

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090219\
 Data File : VX012012.D
 Acq On : 02 Sep 2019 13:21
 Operator : SY/SP
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

sam
 9/3/2019 2:15:44 PM

Quant Time: Sep 03 04:55:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 04:42:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	448932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	578099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	529350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	306776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	72861	17.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.18%	
35) Dibromofluoromethane	5.48	113	75235	20.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.30%	
50) Toluene-d8	8.71	98	240944	18.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.10%	
62) 4-Bromofluorobenzene	11.14	95	116870	20.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52731	19.324	ug/l	97
3) Chloromethane	1.31	50	47994	15.615	ug/l	100
4) Vinyl Chloride	1.39	62	49792	16.786	ug/l	100
5) Bromomethane	1.62	94	34268	16.638	ug/l	98
6) Chloroethane	1.70	64	30974	16.802	ug/l	99
7) Trichlorofluoromethane	1.91	101	94368	18.220	ug/l	99
8) Diethyl Ether	2.17	74	27987	15.978	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	61923	18.379	ug/l	98
10) Methyl Iodide	2.50	142	51354	16.360	ug/l	99
11) Tert butyl alcohol	3.03	59	31170	77.897	ug/l	99
12) 1,1-Dichloroethene	2.36	96	53853	17.270	ug/l	97
13) Acrolein	2.28	56	14885	77.039	ug/l	98
14) Allyl chloride	2.71	41	90497	15.751	ug/l	100
15) Acrylonitrile	3.13	53	73444	77.537	ug/l	99
16) Acetone	2.43	43	69684	77.041	ug/l	100
17) Carbon Disulfide	2.55	76	134711	15.022	ug/l	100
18) Methyl Acetate	2.76	43	36472	14.758	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	163895	16.473	ug/l	99
20) Methylene Chloride	2.84	84	63769	14.246	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	62213	16.975	ug/l	98
22) Diisopropyl ether	3.84	45	188862	16.153	ug/l	97
23) Vinyl Acetate	3.79	43	596934	79.530	ug/l	100
24) 1,1-Dichloroethane	3.68	63	108902	16.767	ug/l	99
25) 2-Butanone	4.66	43	99869	76.816	ug/l	99
26) 2,2-Dichloropropane	4.56	77	102566	18.533	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	72571	16.903	ug/l	97
28) Bromochloromethane	5.00	49	44325	15.482	ug/l	99
29) Tetrahydrofuran	5.11	42	62612	77.194	ug/l	99
30) Chloroform	5.19	83	119714	17.175	ug/l	98
31) Cyclohexane	5.56	56	90645	17.074	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	111663	17.868	ug/l	99
36) 1,1-Dichloropropene	5.78	75	84106	18.380	ug/l	100
37) Ethyl Acetate	4.82	43	42840	16.249	ug/l	99
38) Carbon Tetrachloride	5.77	117	102350	19.144	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	103391	18.858	ug/l	98
40) Benzene	6.13	78	240282	17.765	ug/l	98
41) Methacrylonitrile	5.03	41	26499	17.006	ug/l	94
42) 1,2-Dichloroethane	6.18	62	81343	17.714	ug/l	99
43) Isopropyl Acetate	6.43	43	89042	16.620	ug/l	99
44) Trichloroethene	7.20	130	79159	18.662	ug/l	97
45) 1,2-Dichloropropane	7.51	63	62760	17.839	ug/l	97
46) Dibromomethane	7.65	93	36147	17.235	ug/l	98
47) Bromodichloromethane	7.89	83	92028	17.724	ug/l	98
48) Methyl methacrylate	7.76	41	42978	16.487	ug/l	99
49) 1,4-Dioxane	7.73	88	12177	341.535	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	225203	82.902	ug/l	99
52) Toluene	8.78	92	163652	18.211	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	93973	17.675	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	105454	17.671	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	54279	17.689	ug/l	98
56) Ethyl methacrylate	9.17	69	70172	16.595	ug/l	98
57) 1,3-Dichloropropane	9.37	76	89440	17.597	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	156836	79.121	ug/l	99
59) 2-Hexanone	9.48	43	157721	81.675	ug/l	99
60) Dibromochloromethane	9.57	129	75090	18.175	ug/l	99
61) 1,2-Dibromoethane	9.67	107	52995	17.418	ug/l	99
64) Tetrachloroethene	9.33	164	82407	19.280	ug/l	99
65) Chlorobenzene	10.14	112	191886	18.799	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	78856	19.145	ug/l	99
67) Ethyl Benzene	10.25	91	325118	18.750	ug/l	100
68) m/p-Xylenes	10.35	106	252790	37.702	ug/l	99
69) o-Xylene	10.70	106	122560	18.784	ug/l	99
70) Styrene	10.71	104	211442	18.465	ug/l	100
71) Bromoform	10.85	173	53498	18.374	ug/l	97
73) Isopropylbenzene	11.01	105	341106	19.380	ug/l	100
74) N-amyl acetate	10.89	43	86128	16.871	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	62647	17.695	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	46052m	15.858	ug/l	
77) Bromobenzene	11.25	156	98070	19.206	ug/l	99
78) n-propylbenzene	11.35	91	381964	19.206	ug/l	100
79) 2-Chlorotoluene	11.42	91	223481	18.719	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	286506	18.942	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20326	17.234	ug/l	99
82) 4-Chlorotoluene	11.51	91	268923	18.693	ug/l	100
83) tert-Butylbenzene	11.77	119	300385	19.464	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	290803	18.759	ug/l	99
85) sec-Butylbenzene	11.94	105	348830	19.526	ug/l	100
86) p-Isopropyltoluene	12.06	119	333020	19.204	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	181463	19.180	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	179091	18.735	ug/l	98
89) n-Butylbenzene	12.38	91	290286	18.968	ug/l	99
90) Hexachloroethane	12.59	117	62578	18.671	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	165087	18.790	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11815	16.765	ug/l	97

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ClientSampleId :
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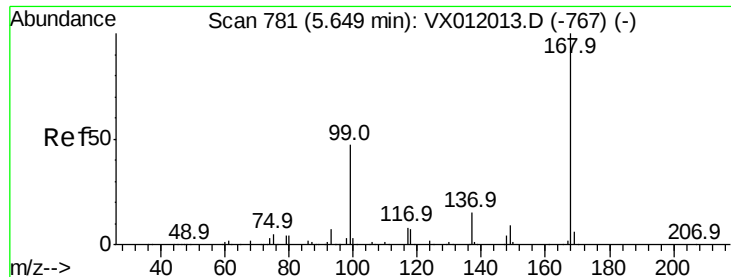
Manual Integrations
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9/3/2019 2:15:44 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	136190	18.348	ug/l	99
94) Hexachlorobutadiene	13.77	225	99526	19.887	ug/l	98
95) Naphthalene	13.83	128	209412	16.724	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	118166	17.664	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 448932

Ion Ratio Lower Upper

168 100

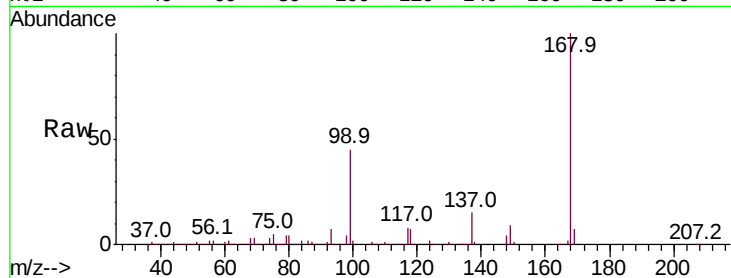
99 45.2 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

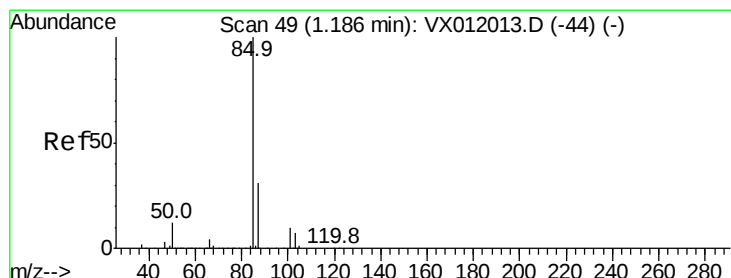
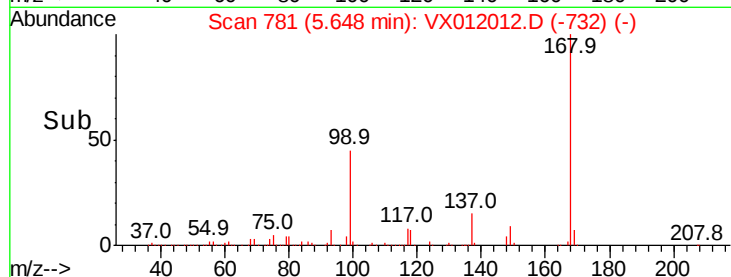
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.324 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012012.D

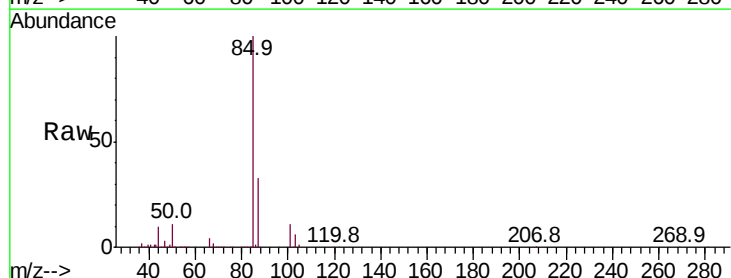
Acq: 02 Sep 2019 13:21

Tgt Ion: 85 Resp: 52731

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

30000

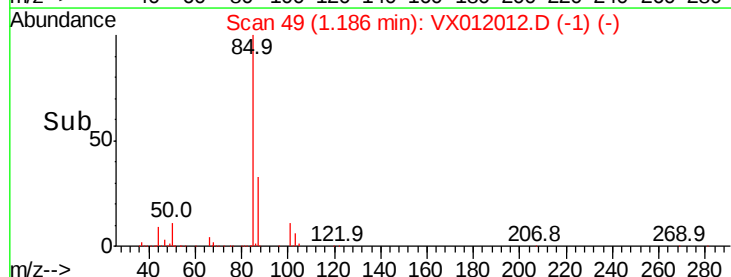
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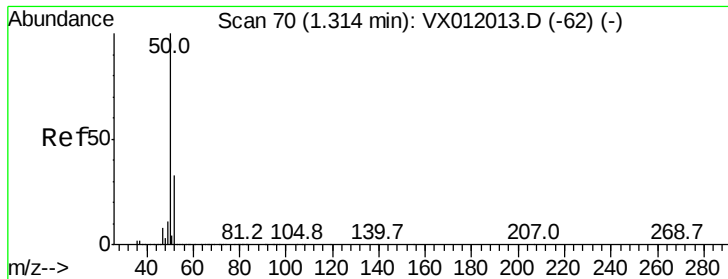
10000

0

Time-->

1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 15.615 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 47994

Ion Ratio Lower Upper

50 100

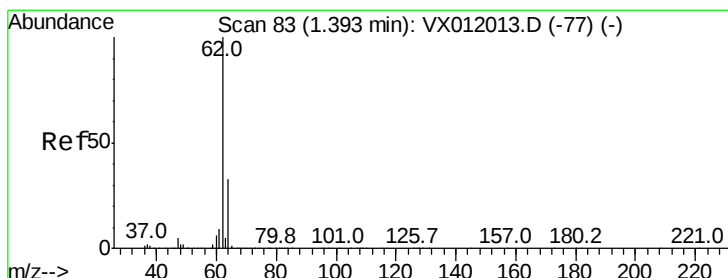
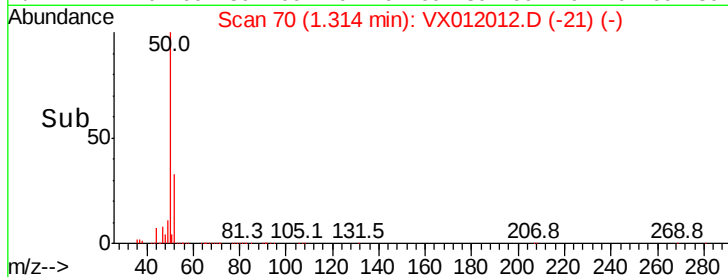
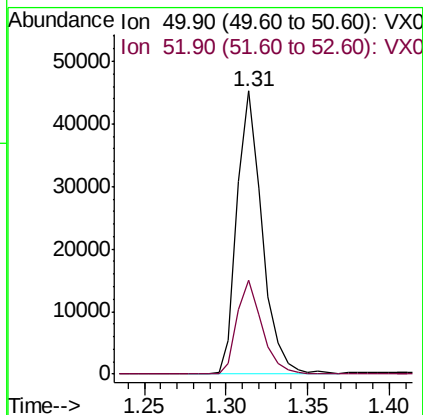
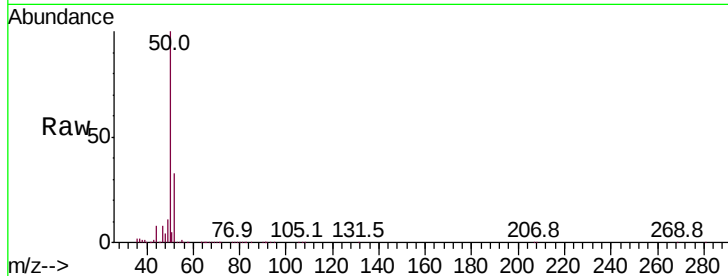
52 33.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.786 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012012.D

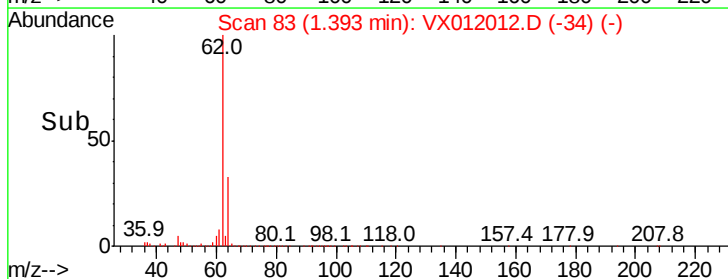
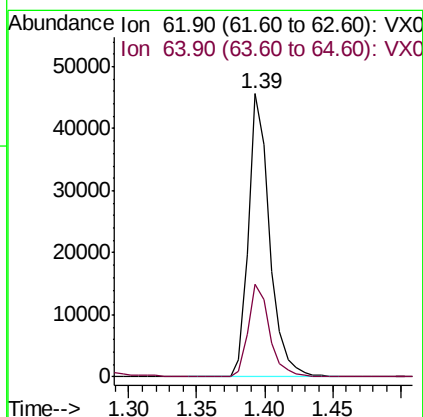
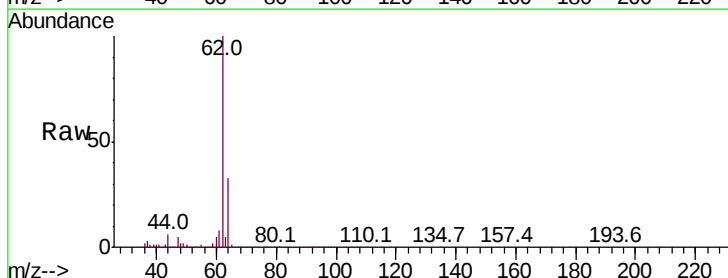
Acq: 02 Sep 2019 13:21

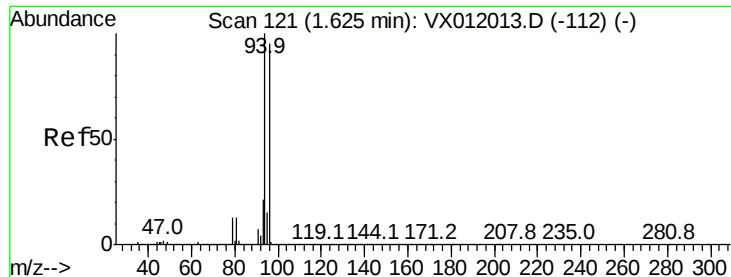
Tgt Ion: 62 Resp: 49792

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 16.638 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 34268

Ion Ratio Lower Upper

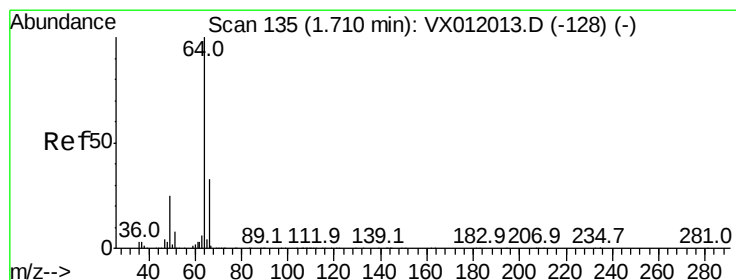
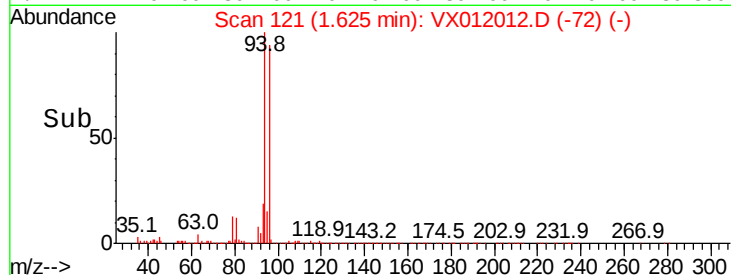
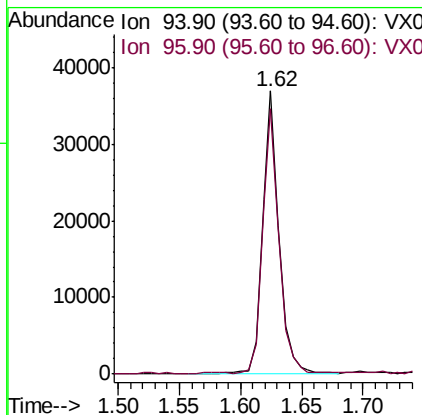
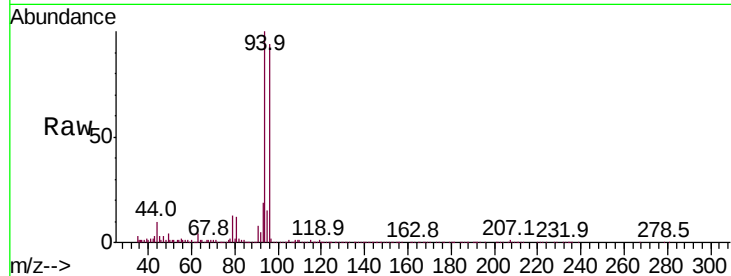
94 100

96 93.6 76.3 114.5

Manual Integrations
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#6

Chloroethane

Concen: 16.802 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012012.D

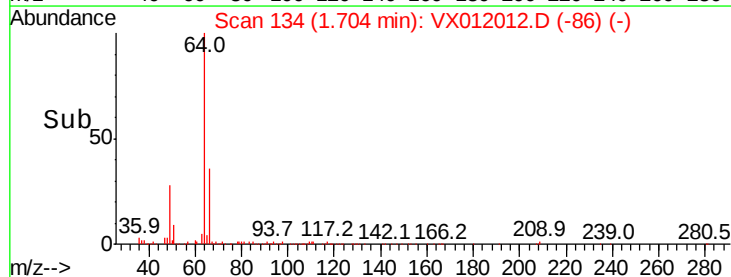
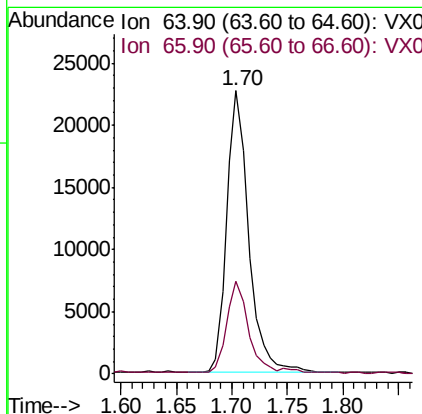
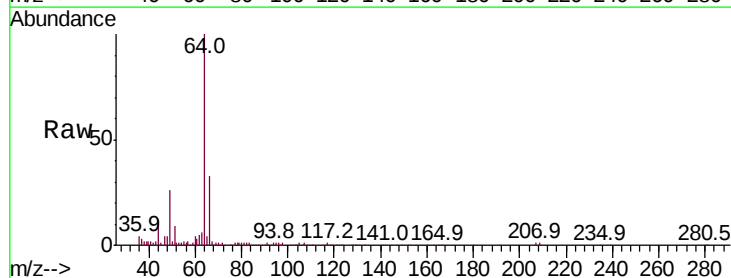
Acq: 02 Sep 2019 13:21

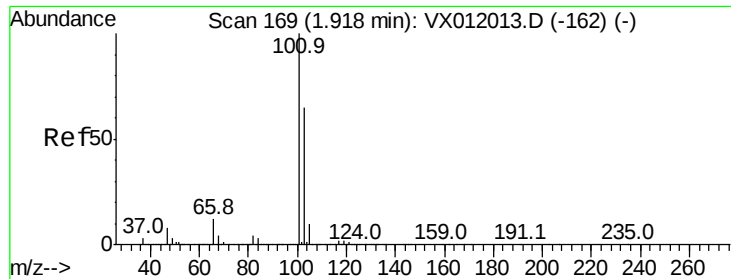
Tgt Ion: 64 Resp: 30974

Ion Ratio Lower Upper

64 100

66 32.5 26.3 39.5





#7

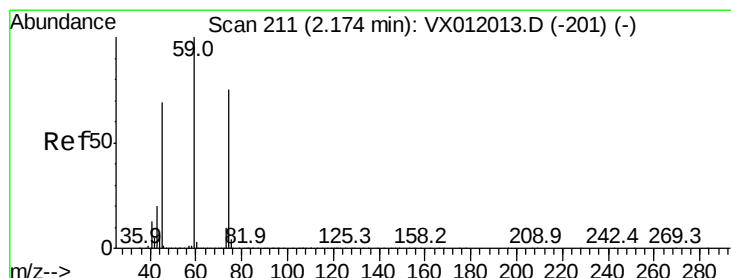
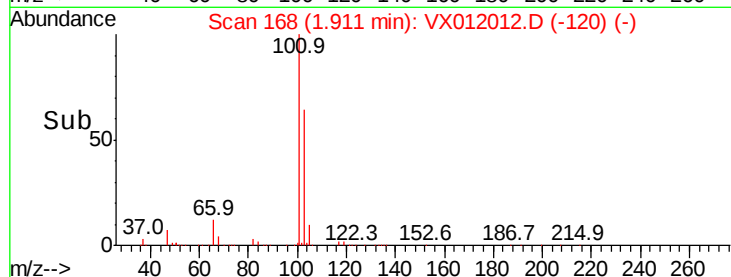
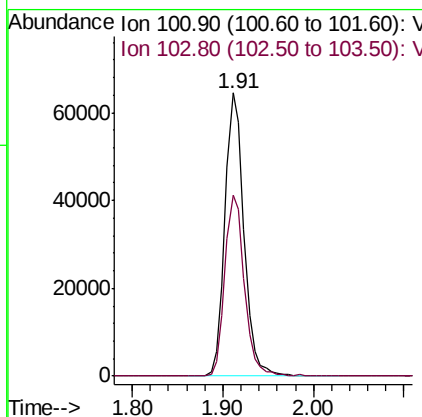
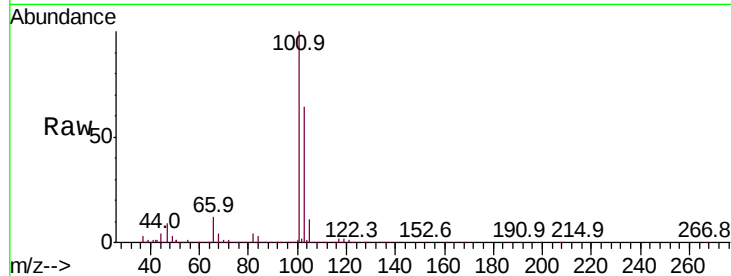
Trichlorofluoromethane
 Concen: 18.220 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

Manual Integrations
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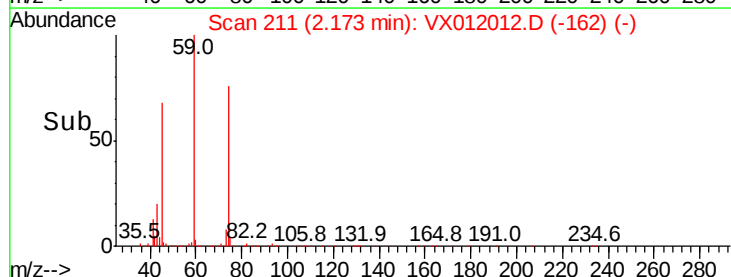
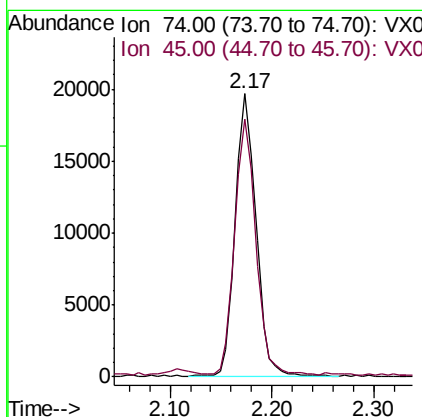
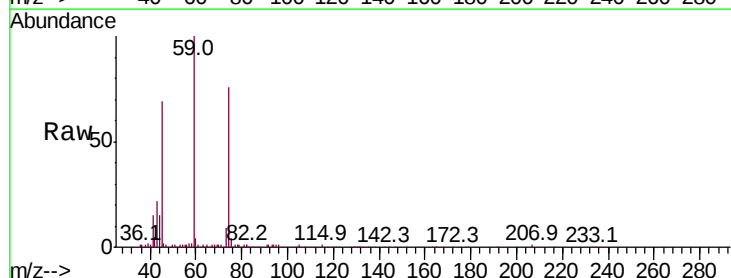
Sam
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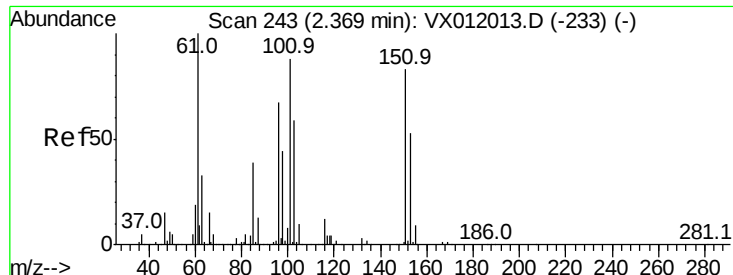


#8

Diethyl Ether
 Concen: 15.978 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.379 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

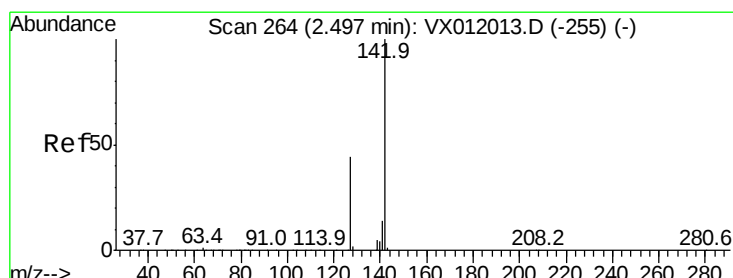
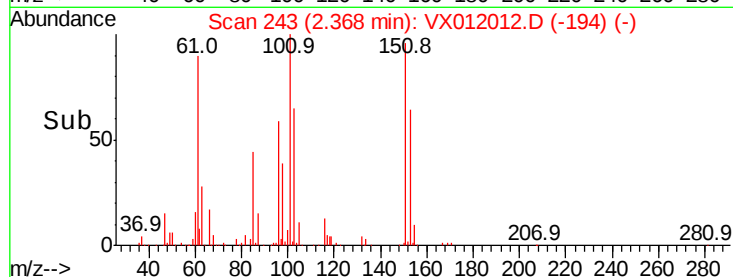
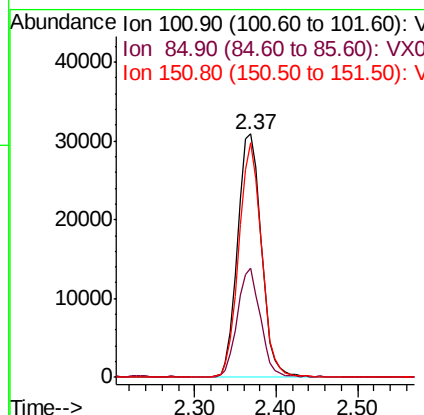
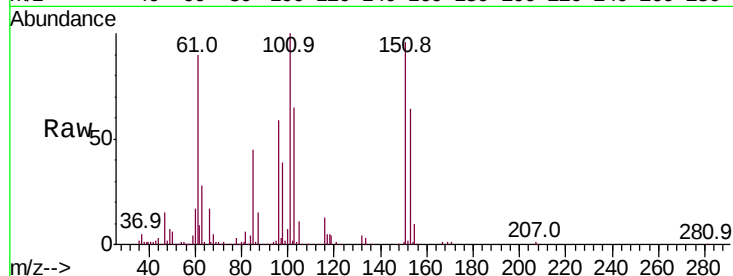
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	61923
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.5	51.7
151	91.8	75.0	112.4

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 16.360 ug/l

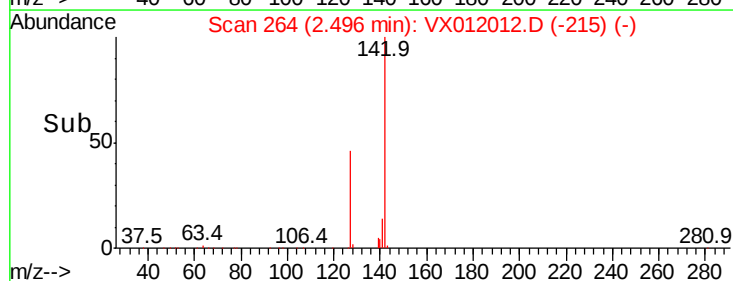
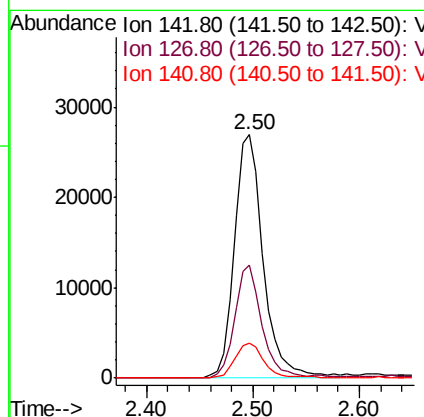
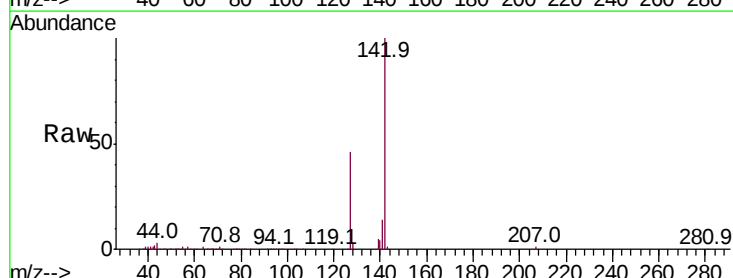
RT: 2.50 min Scan# 264

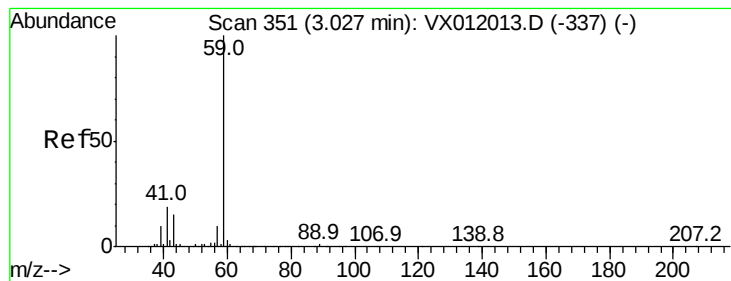
Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion:	142	Resp:	51354
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.4	53.2
141	14.7	11.4	17.2





#11

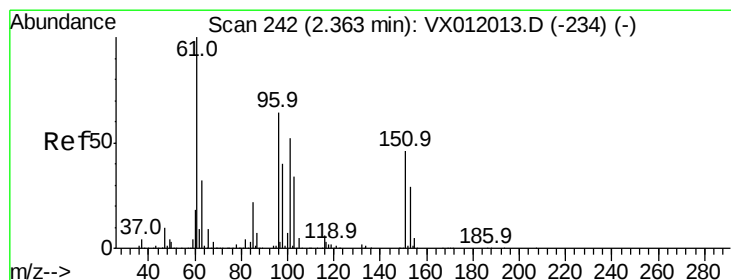
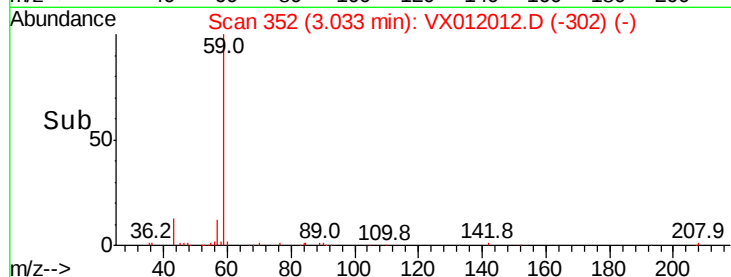
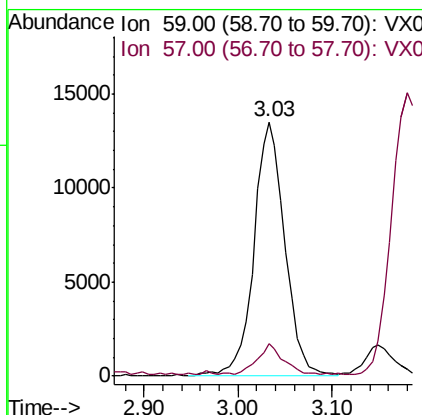
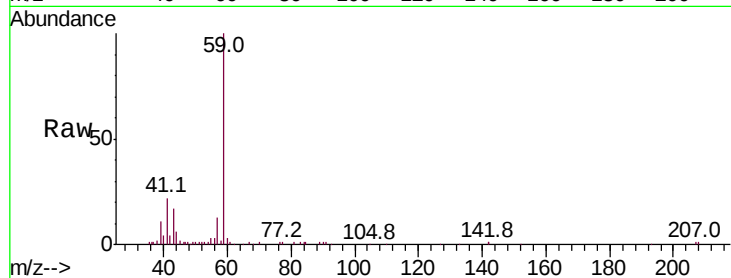
Tert butyl alcohol
Concen: 77.897 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.9	11.9

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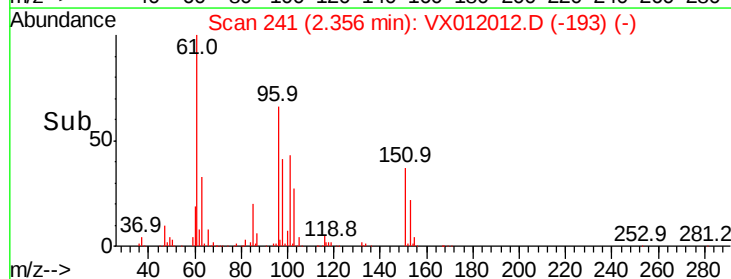
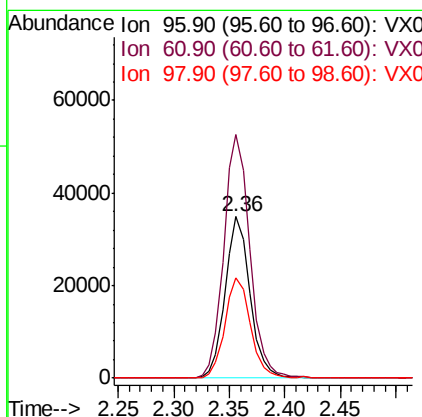
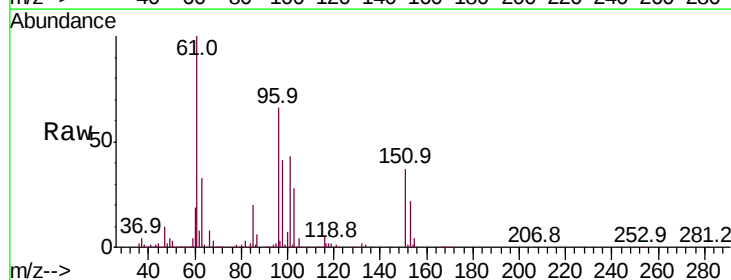
sam
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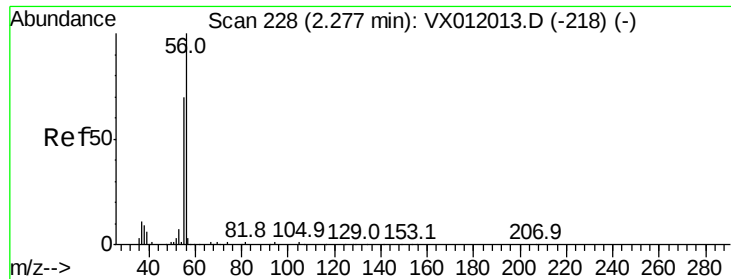


#12

1,1-Dichloroethene
Concen: 17.270 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.0	124.1	186.1
98	61.9	50.2	75.2





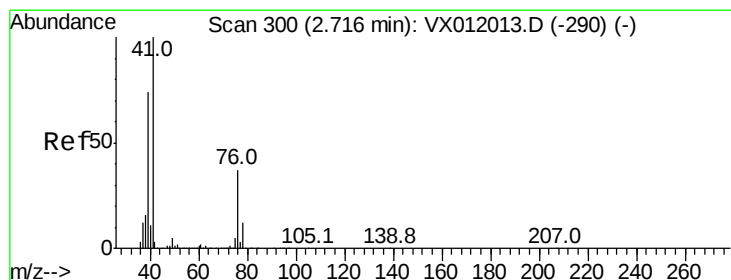
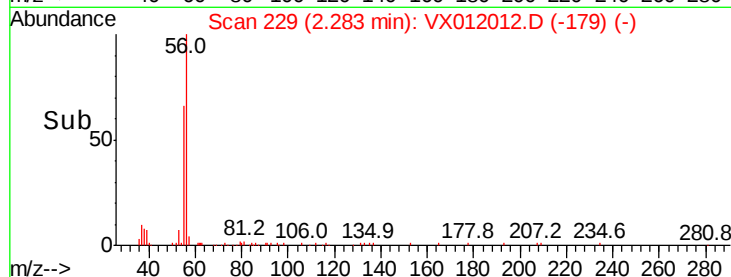
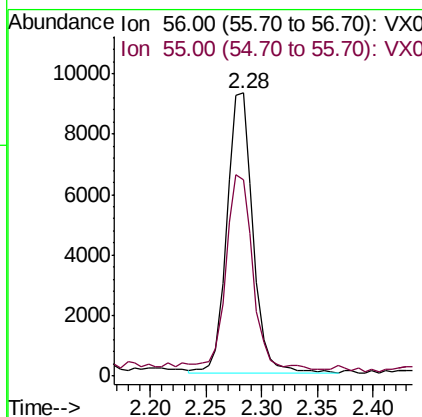
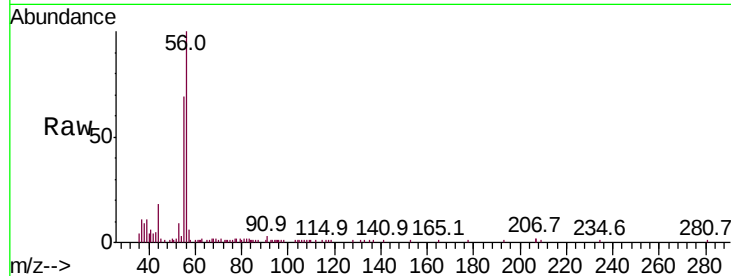
#13
Acrolein
Concen: 77.039 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 14885
Ion Ratio Lower Upper
56 100
55 72.3 59.2 88.8

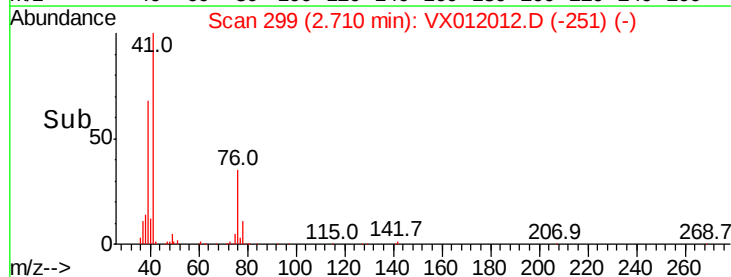
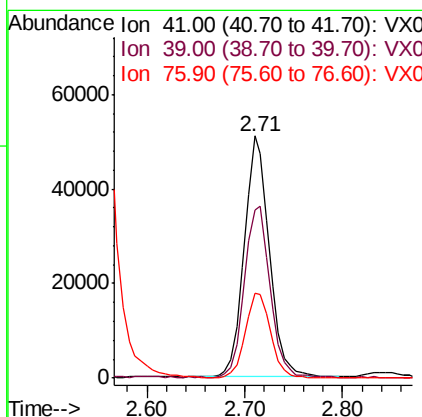
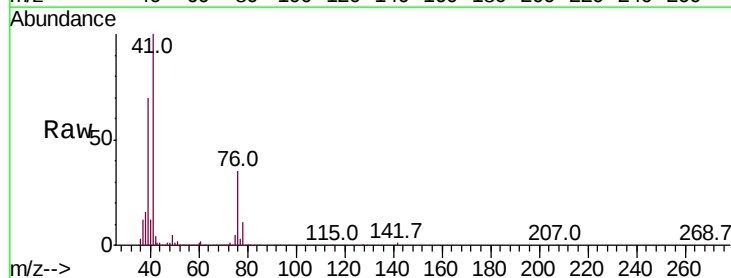
Manual Integrations
APPROVED

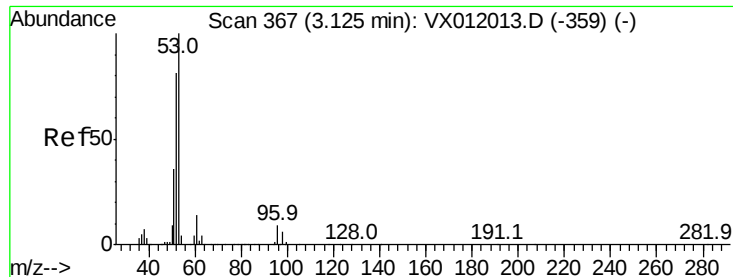
sam
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#14
Allyl chloride
Concen: 15.751 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.01 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion: 41 Resp: 90497
Ion Ratio Lower Upper
41 100
39 72.9 57.9 86.9
76 35.6 28.5 42.7





#15

Acrylonitrile

Concen: 77.537 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

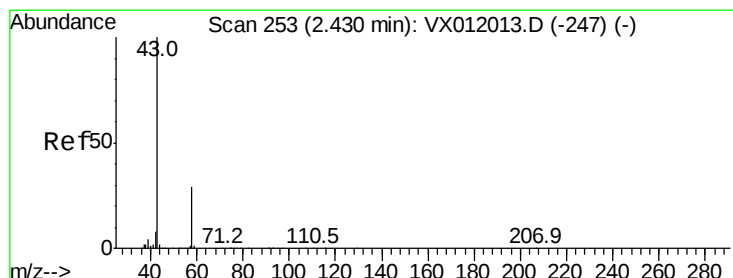
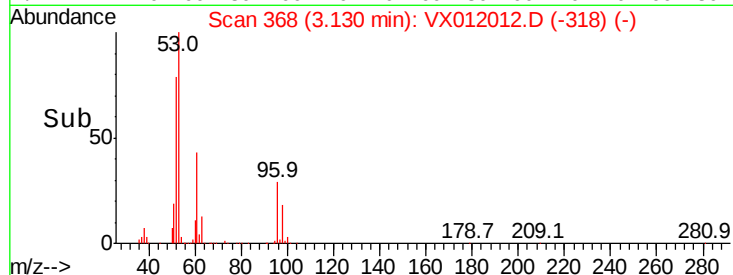
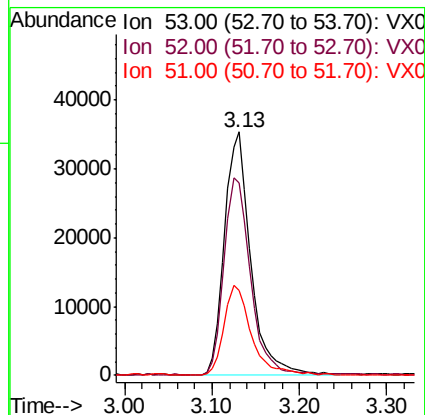
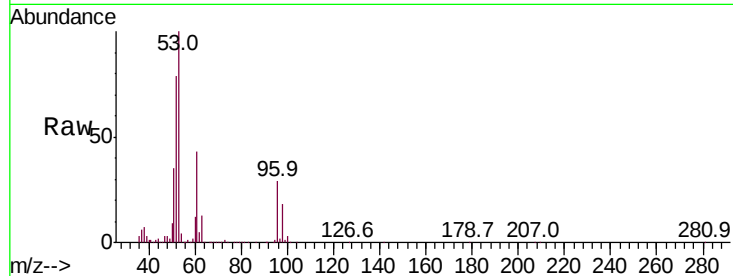
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	73444
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.6	98.4
51	38.1	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 77.041 ug/l

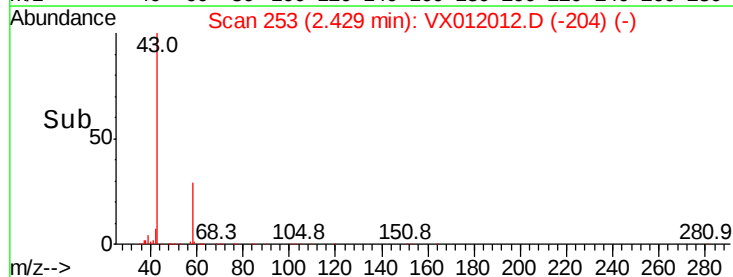
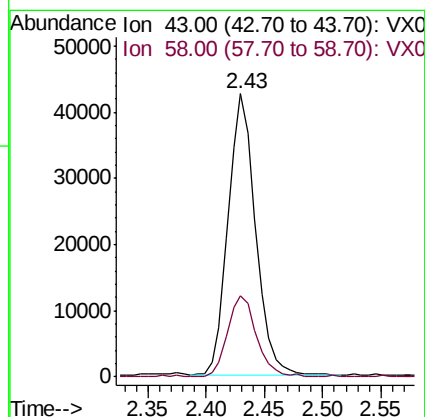
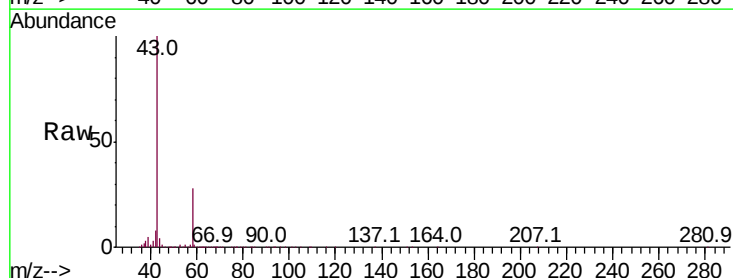
RT: 2.43 min Scan# 253

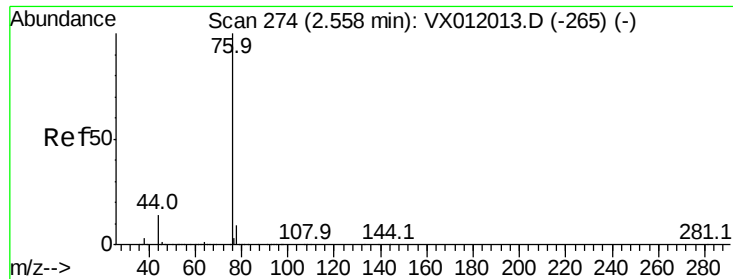
Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion:	43	Resp:	69684
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.8	34.2





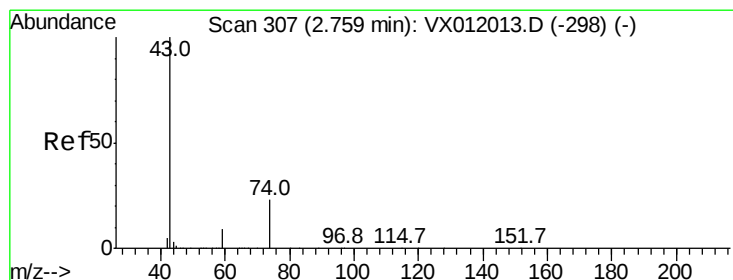
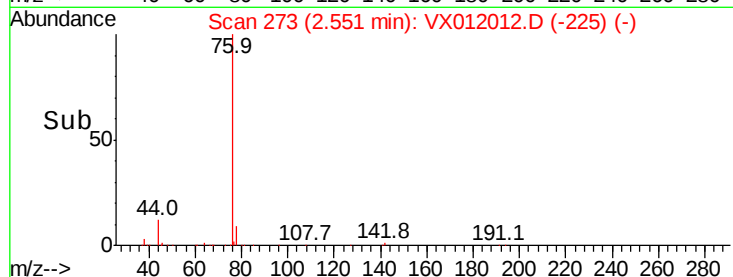
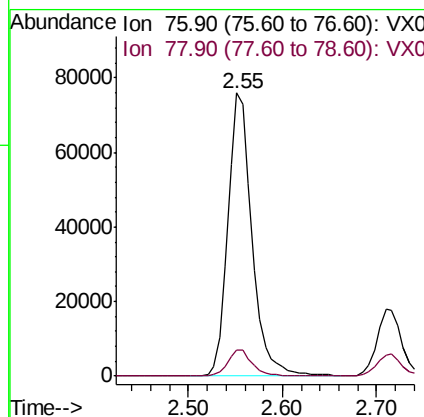
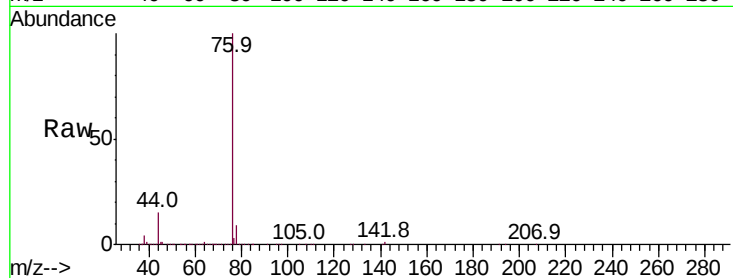
#17
Carbon Disulfide
Concen: 15.022 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

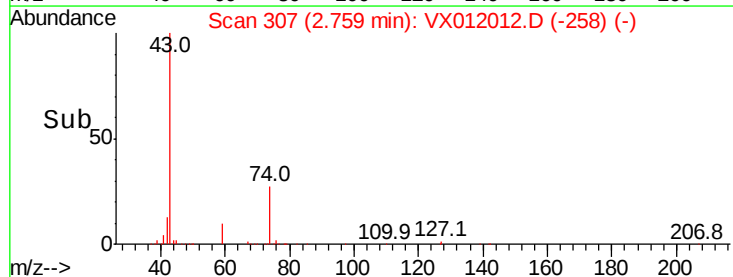
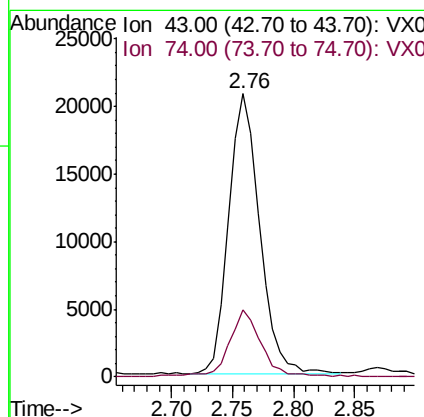
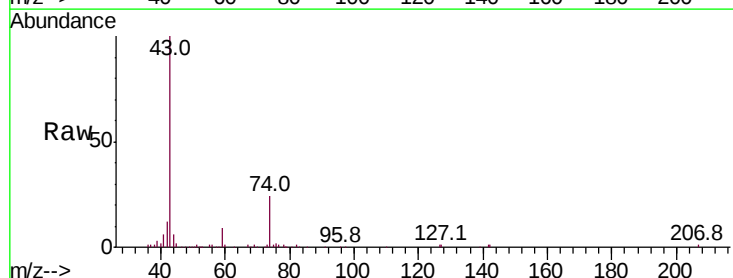
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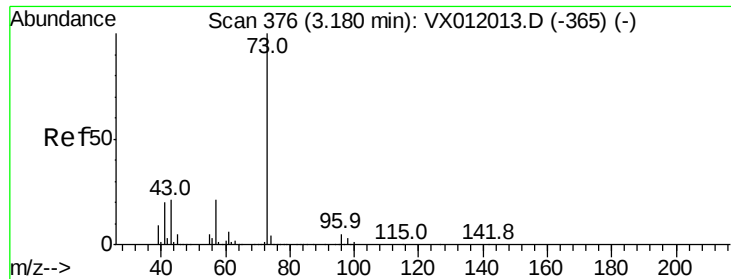
sam
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#18
Methyl Acetate
Concen: 14.758 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.5	29.3





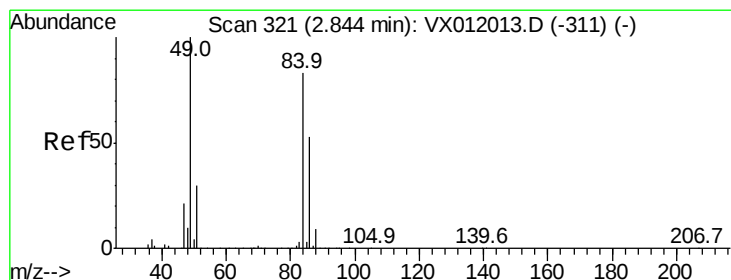
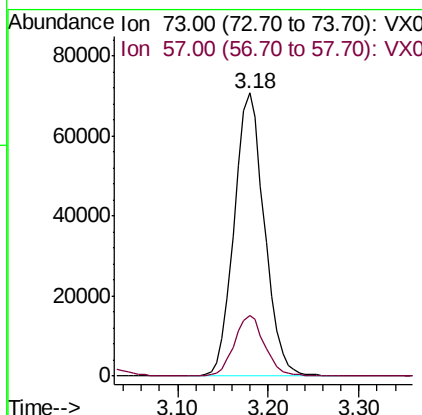
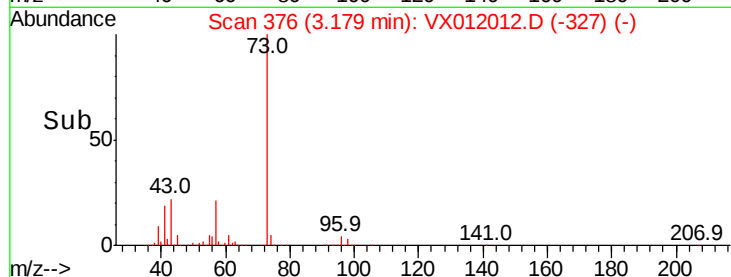
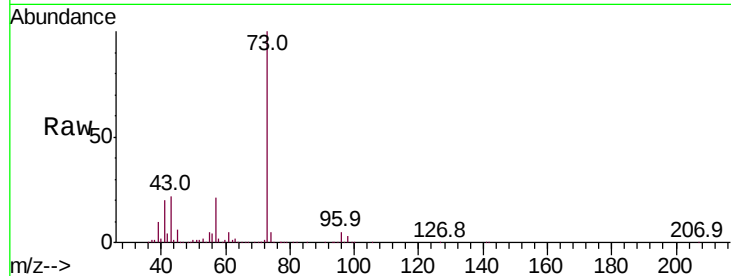
#19
Methyl tert-butyl Ether
Concen: 16.473 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 163895
Ion Ratio Lower Upper
73 100
57 21.1 16.6 25.0

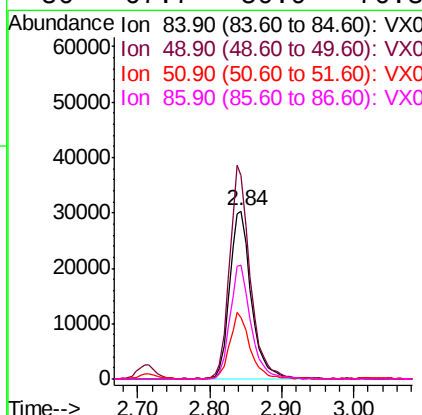
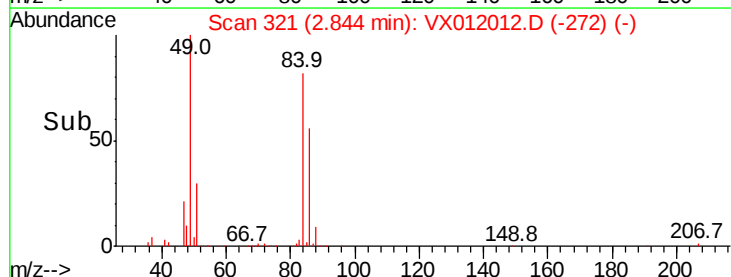
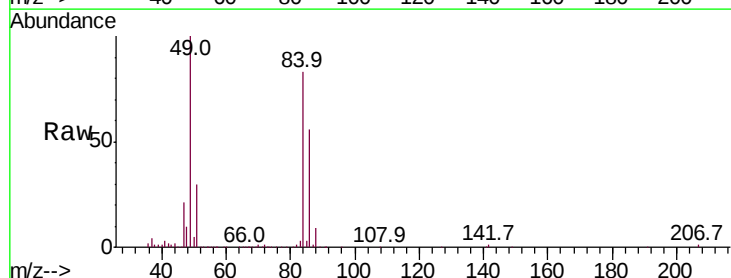
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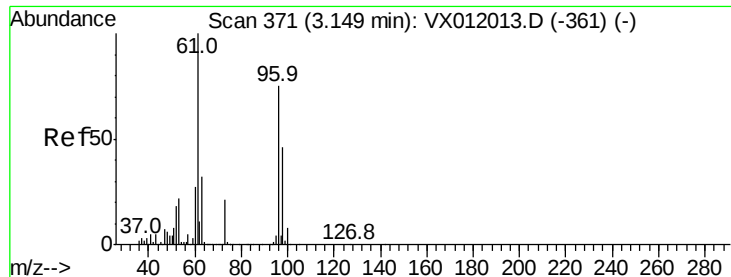
sam
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#20
Methylene Chloride
Concen: 14.246 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion: 84 Resp: 63769
Ion Ratio Lower Upper
84 100
49 120.9 95.8 143.8
51 36.4 28.6 43.0
86 67.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 16.975 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

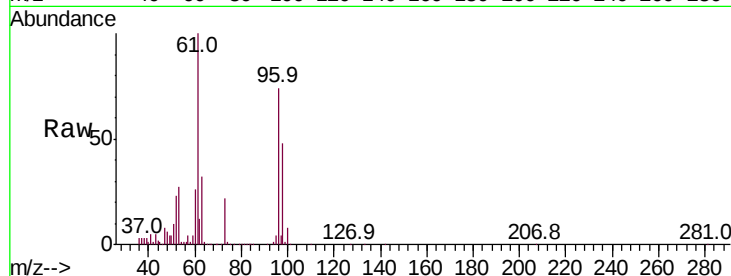
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	62213
Ion	Ratio	Lower	Upper
96	100		
61	134.7	107.0	160.6
98	64.8	49.8	74.6

Manual Integrations
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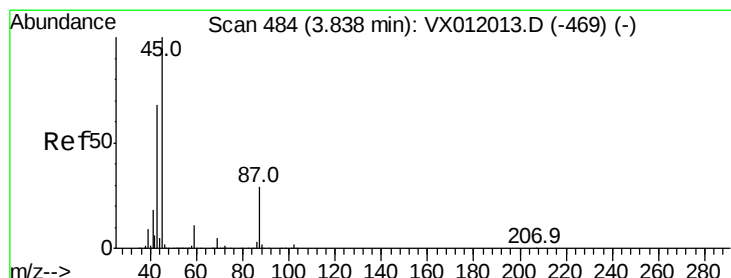
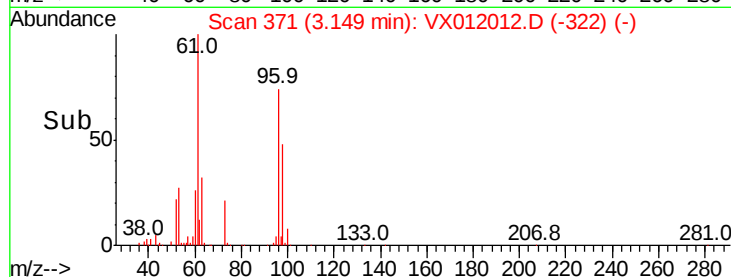
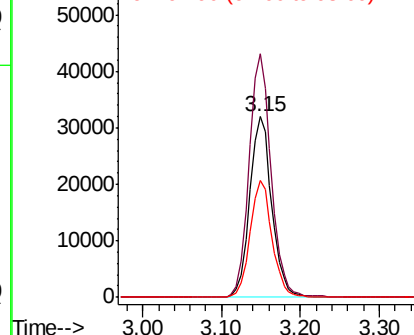


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 16.153 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion:	45	Resp:	188862
Ion	Ratio	Lower	Upper
45	100		
43	69.8	54.2	81.4
87	27.2	23.4	35.0
59	11.6	9.0	13.6

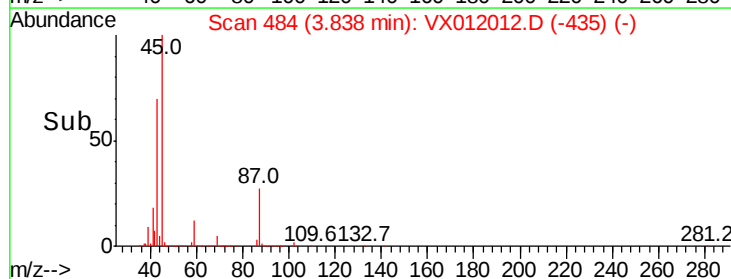
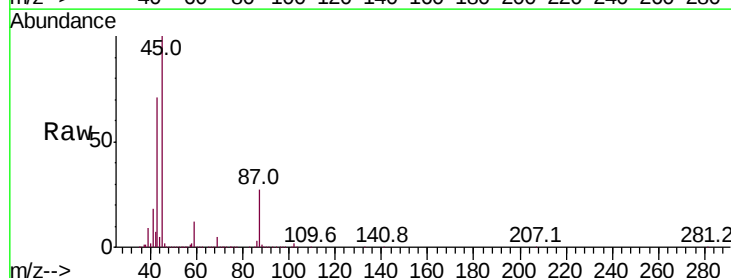
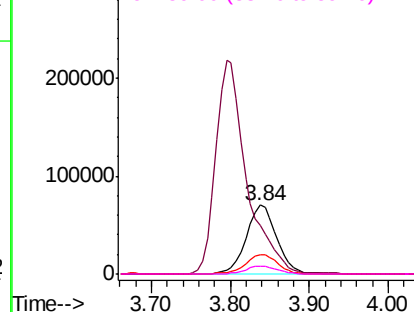
Abundance

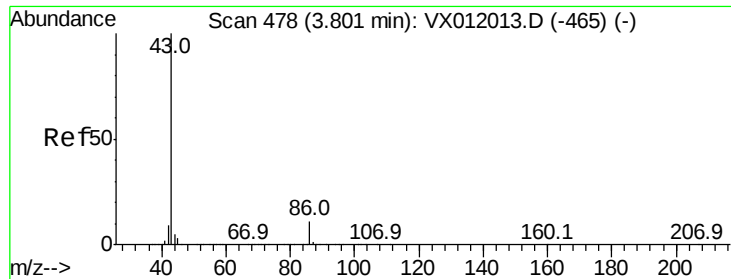
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 79.530 ug/l

RT: 3.79 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 596934

Ion Ratio Lower Upper

43 100

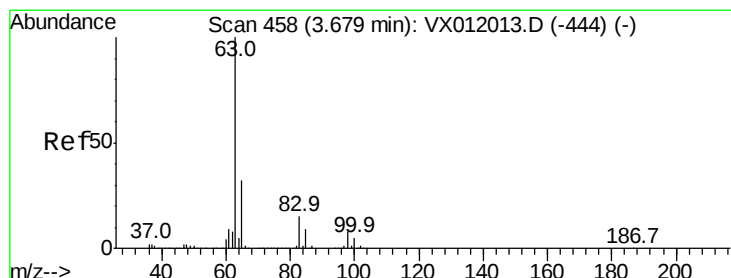
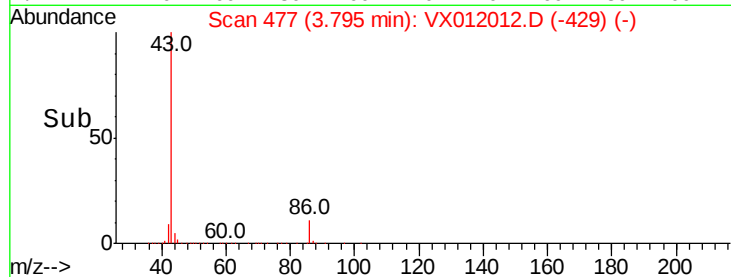
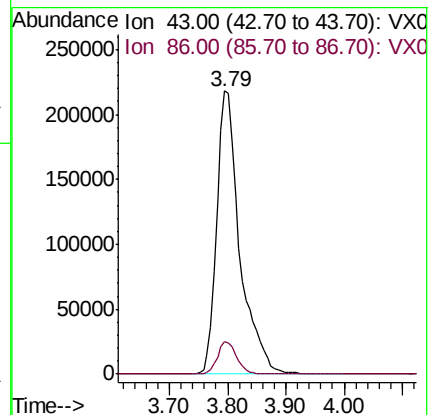
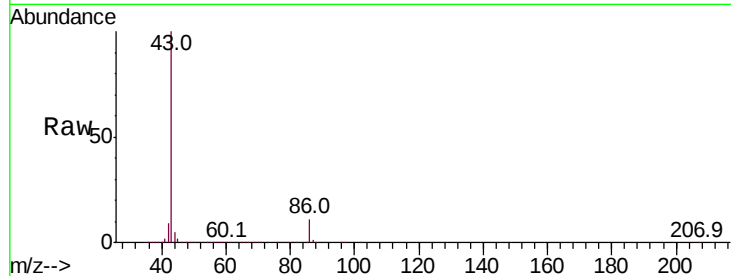
86 11.4 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 16.767 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

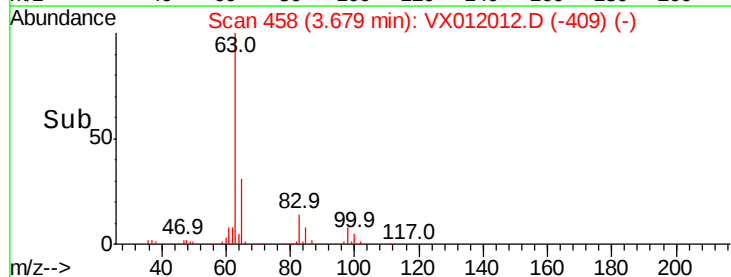
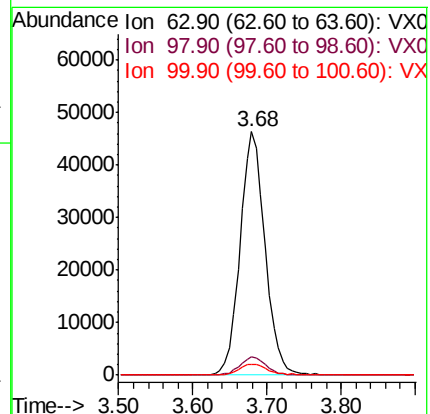
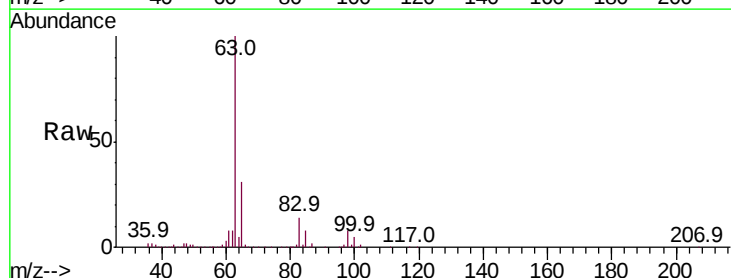
Tgt Ion: 63 Resp: 108902

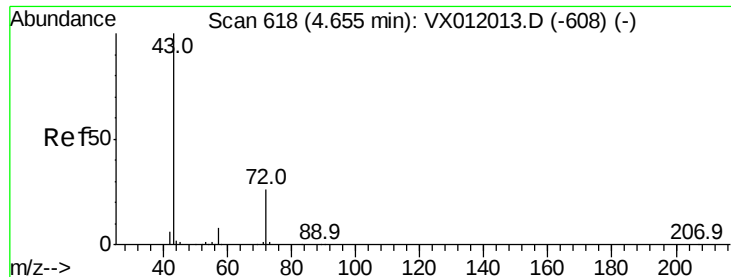
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.7

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 76.816 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 99869

Ion Ratio Lower Upper

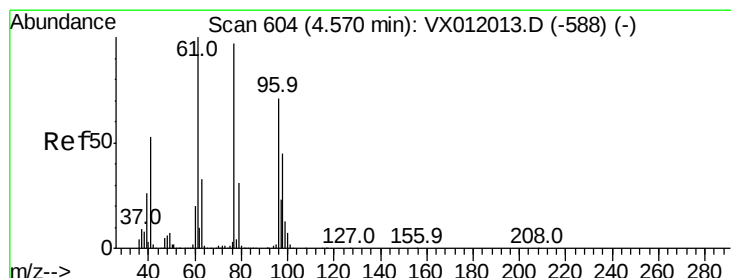
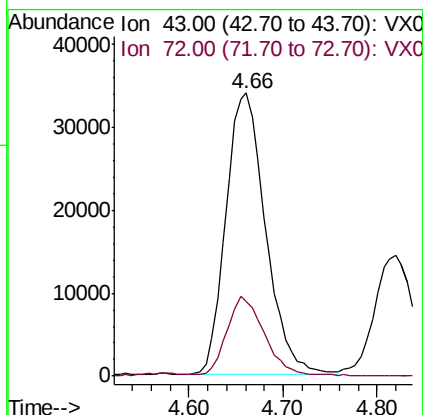
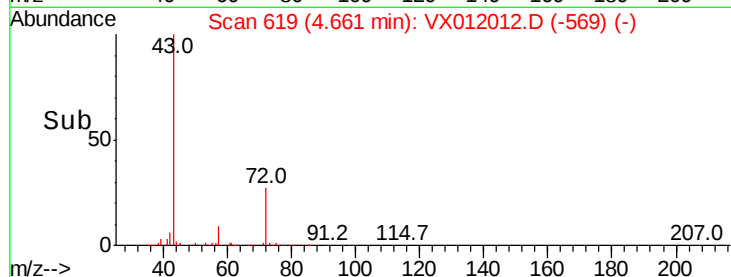
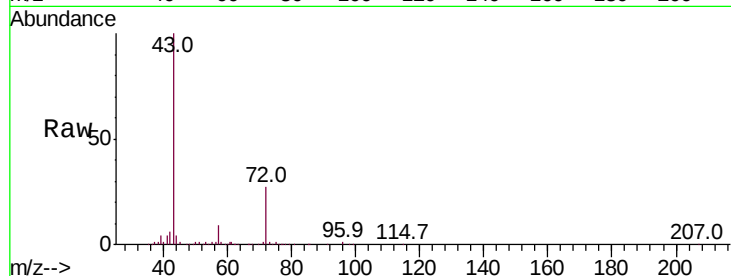
43 100

72 26.3 21.3 31.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.533 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012012.D

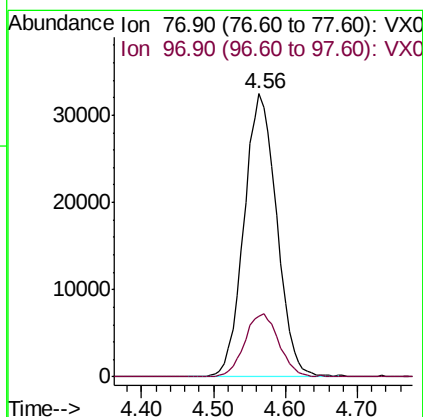
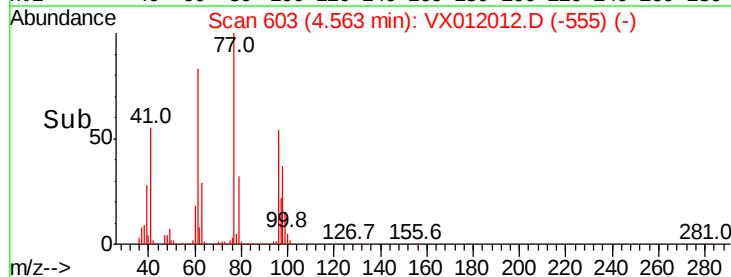
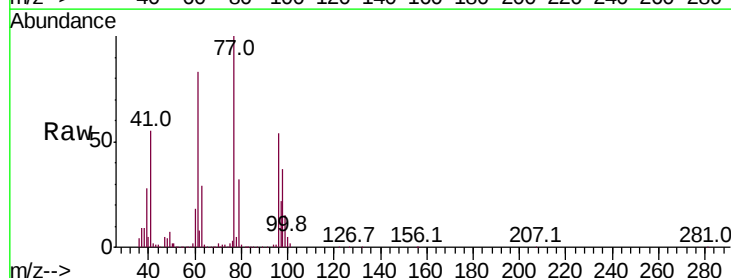
Acq: 02 Sep 2019 13:21

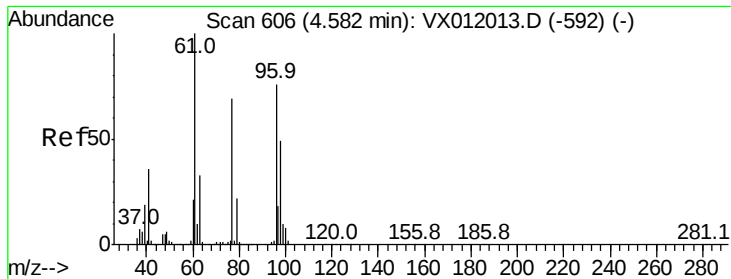
Tgt Ion: 77 Resp: 102566

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5





#27

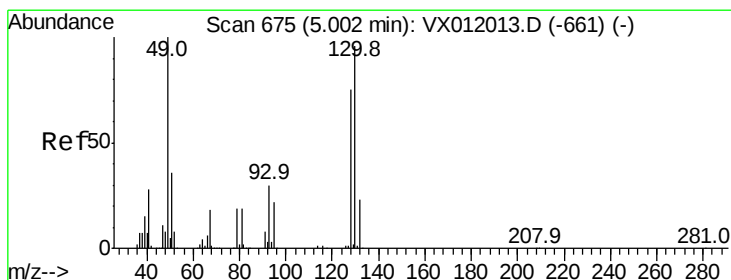
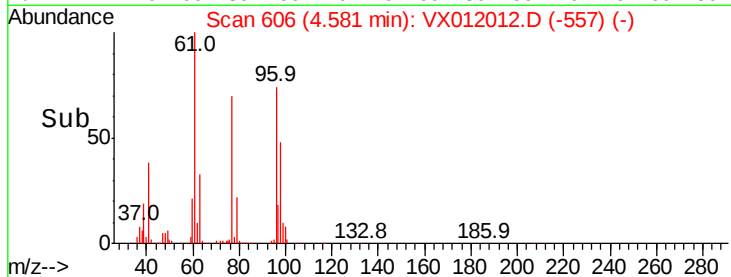
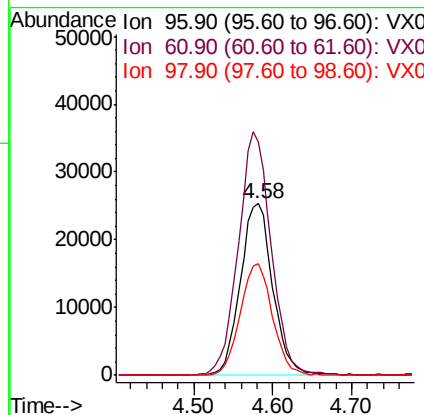
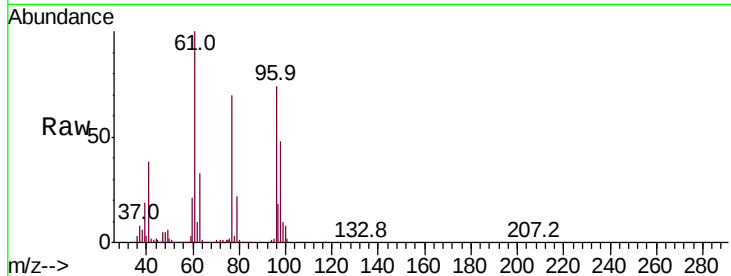
cis-1,2-Dichloroethene
 Concen: 16.903 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	277.0
98	65.1	0.0	128.4

Manual Integrations
 APPROVED

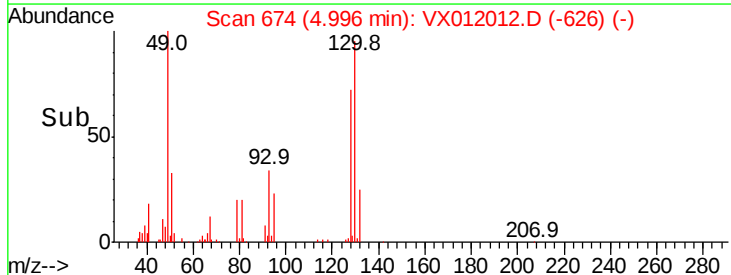
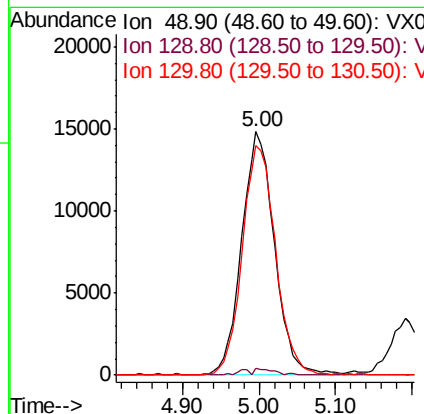
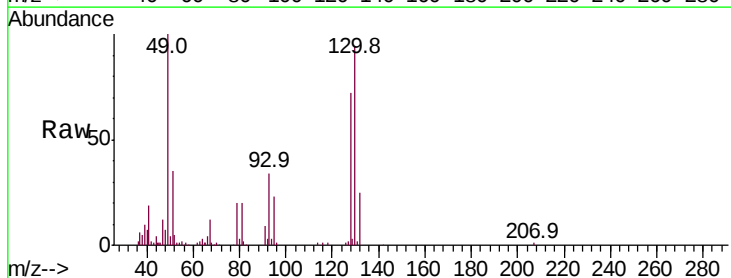
sam
 9/3/2019 2:15:44 PM

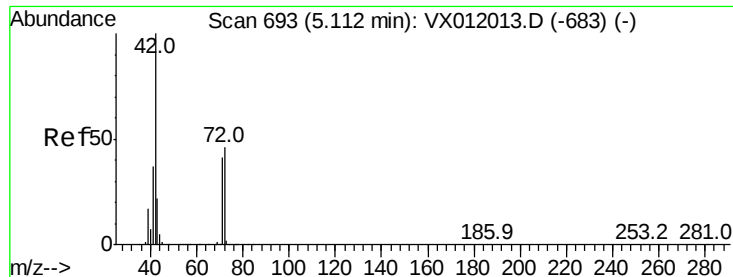


#28

Bromochloromethane
 Concen: 15.482 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.6
130	95.4	76.7	115.1





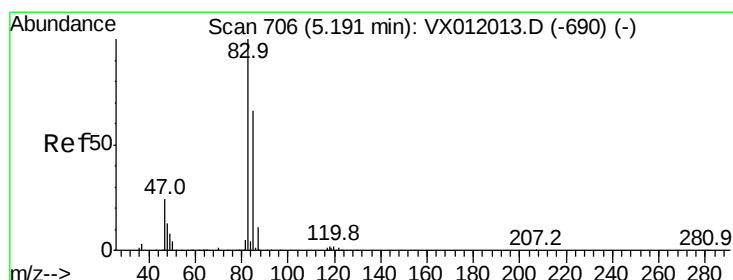
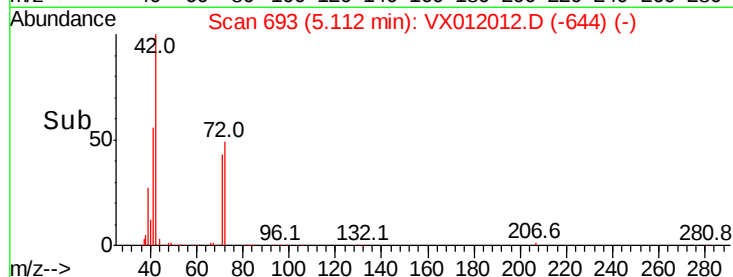
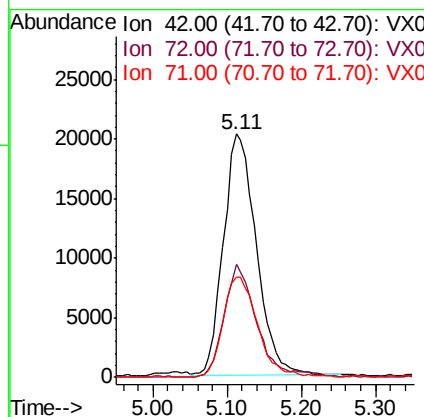
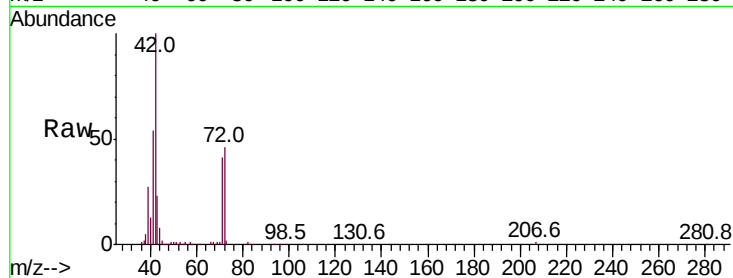
#29
Tetrahydrofuran
Concen: 77.194 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.0	55.4
71	43.9	33.8	50.8

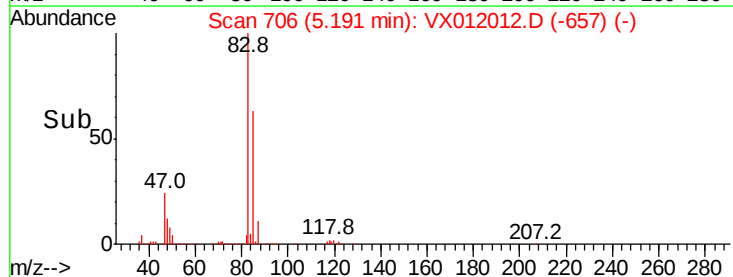
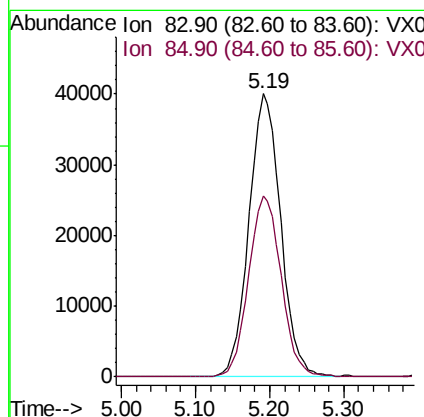
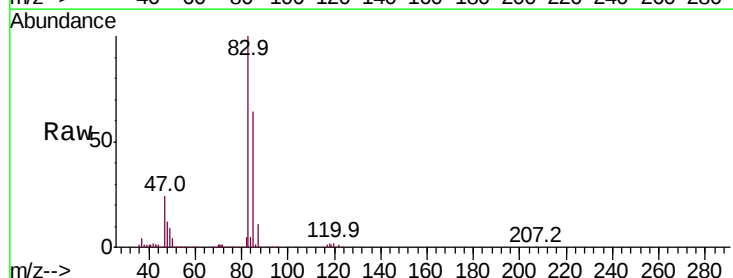
Manual Integrations
APPROVED

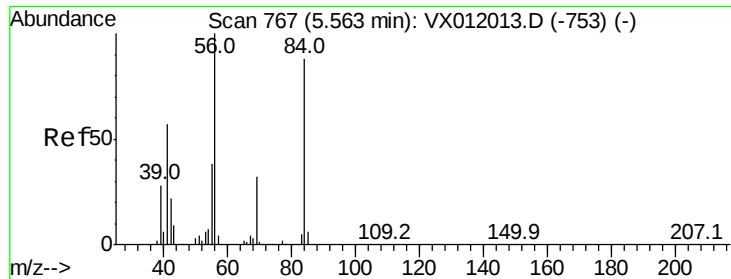
sam
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#30
Chloroform
Concen: 17.175 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	78.8





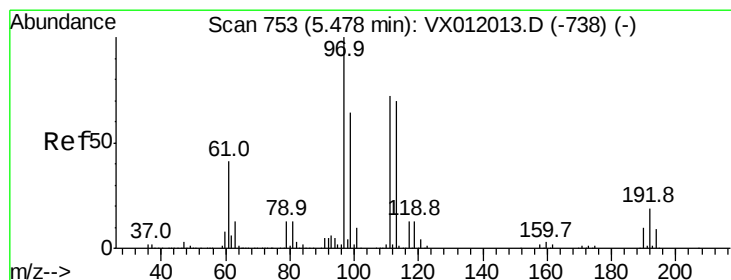
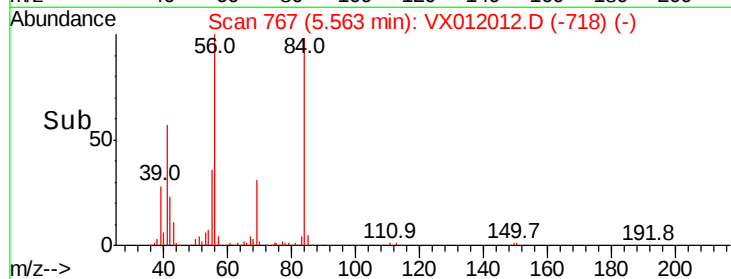
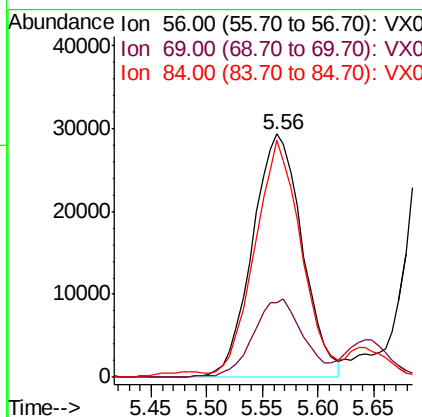
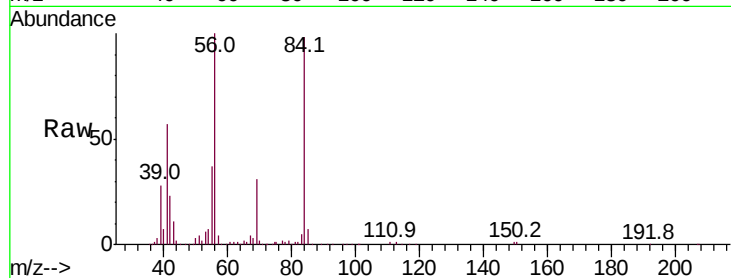
#31
Cyclohexane
Concen: 17.074 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.7	38.5
84	95.6	70.3	105.5

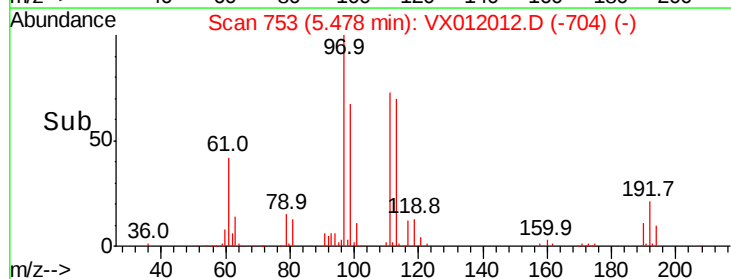
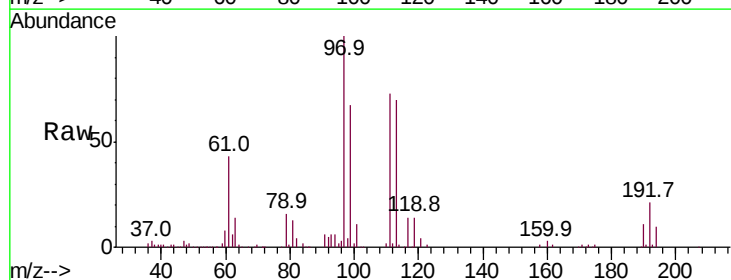
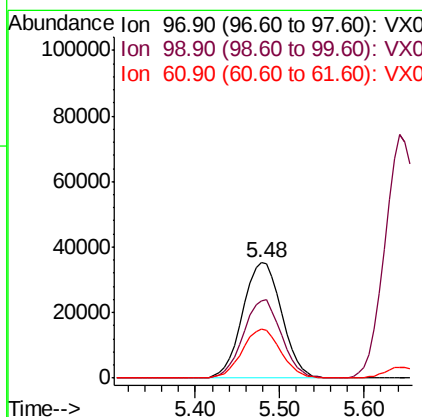
Manual Integrations
APPROVED

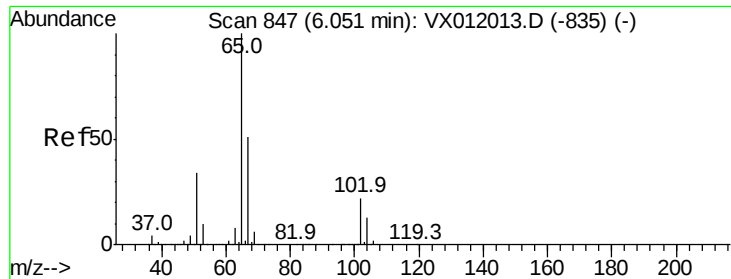
sam
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#32
1,1,1-Trichloroethane
Concen: 17.868 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.1	78.1
61	41.9	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 17.090 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 72861

Ion Ratio Lower Upper

65 100

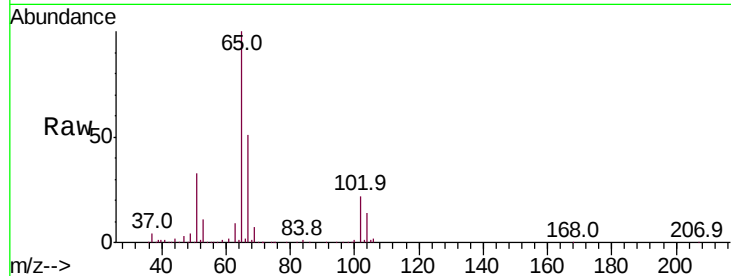
67 51.7 0.0 102.0

Manual Integrations

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sam

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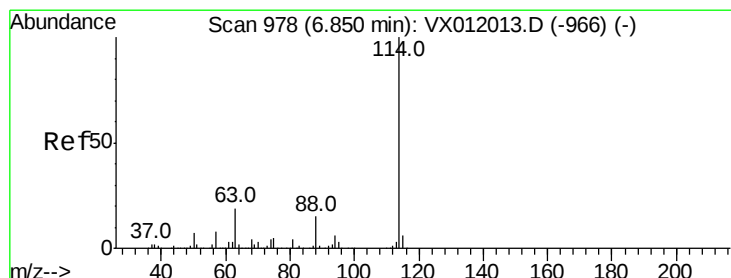
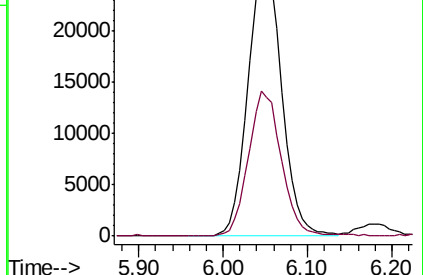
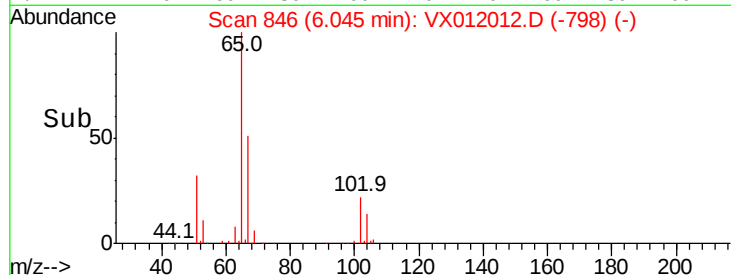


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

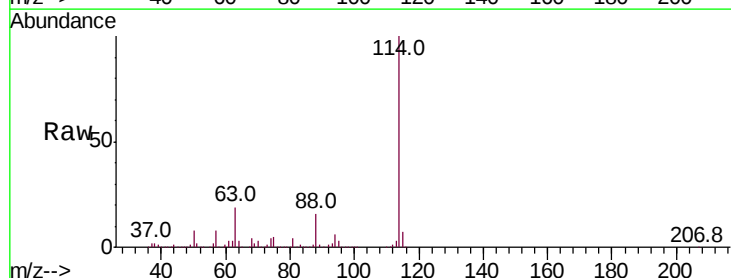
Tgt Ion: 114 Resp: 578099

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.4

88 15.8 0.0 29.6



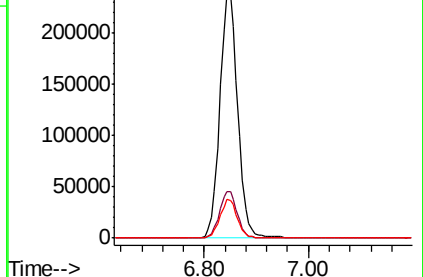
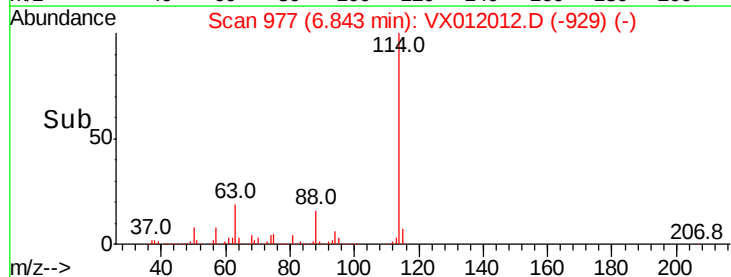
Abundance Ion 113.90 (113.60 to 114.60): V

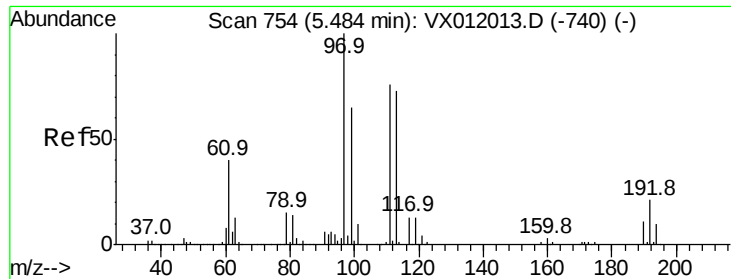
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.84

Time-->





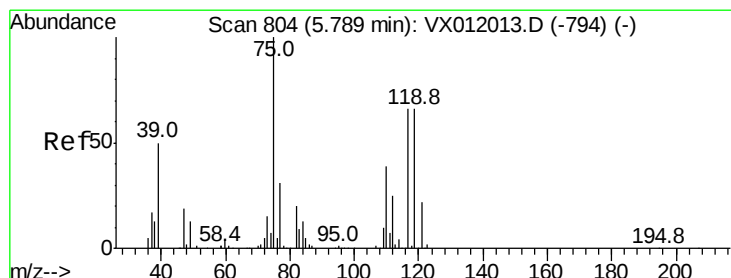
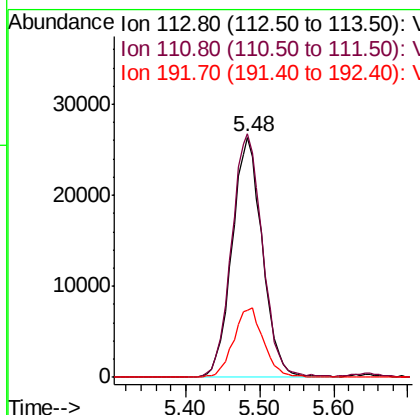
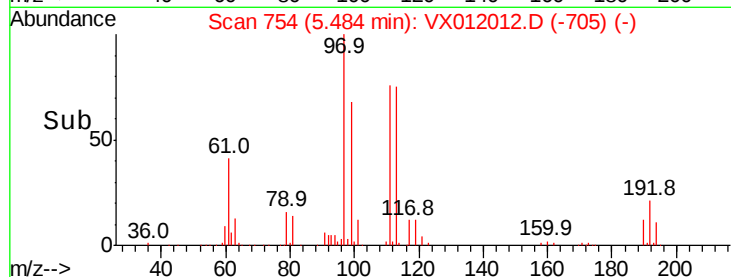
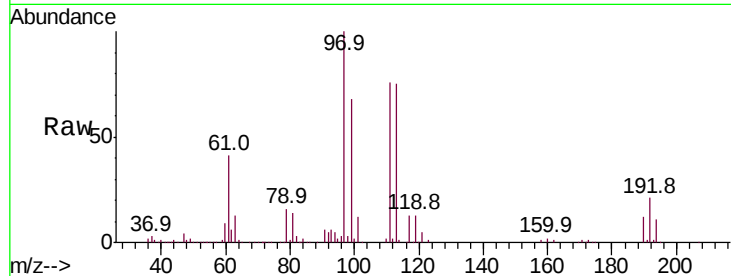
#35
 Dibromofluoromethane
 Concen: 20.155 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.7	122.5
192	28.8	22.5	33.7

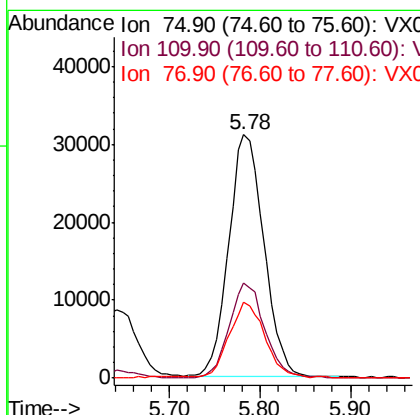
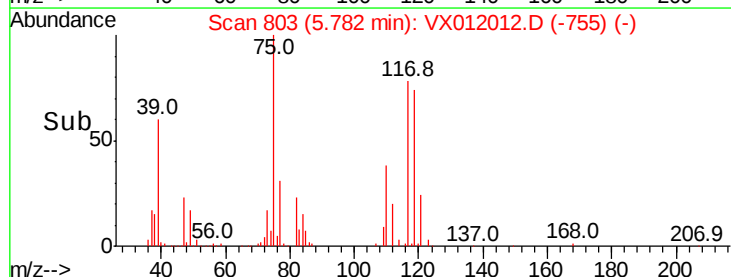
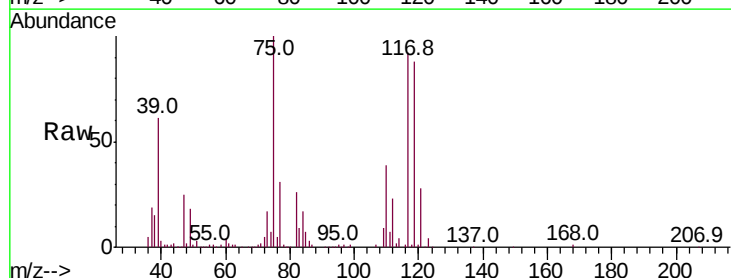
Manual Integrations
 APPROVED

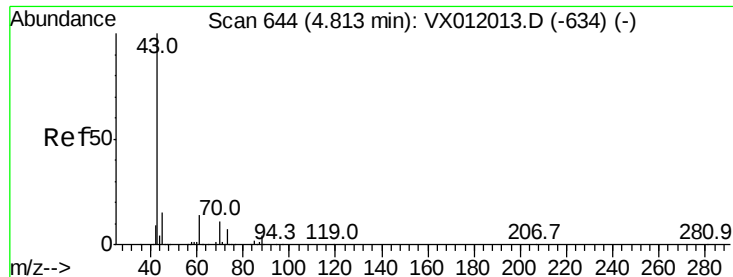
sam
 9/3/2019 2:15:44 PM



#36
 1,1-Dichloropropene
 Concen: 18.380 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.4	19.5	58.5
77	30.7	24.6	37.0





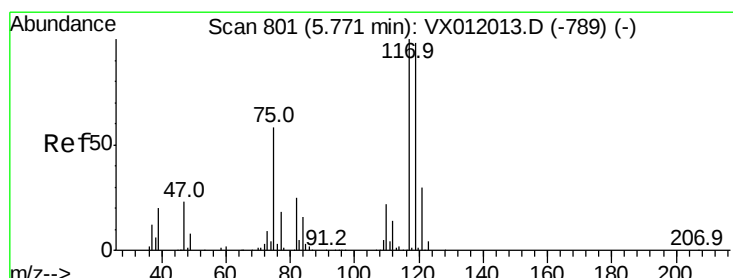
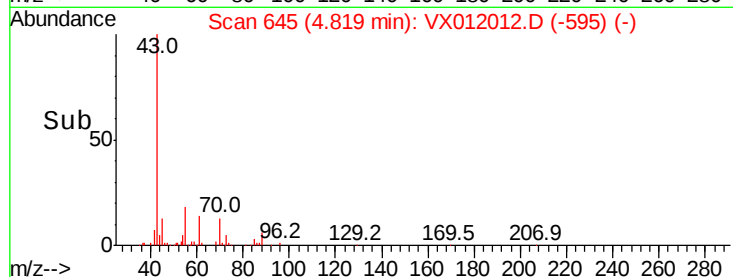
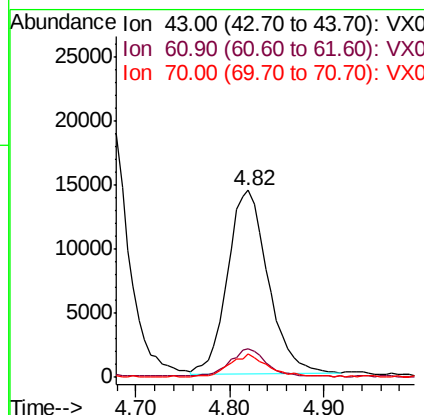
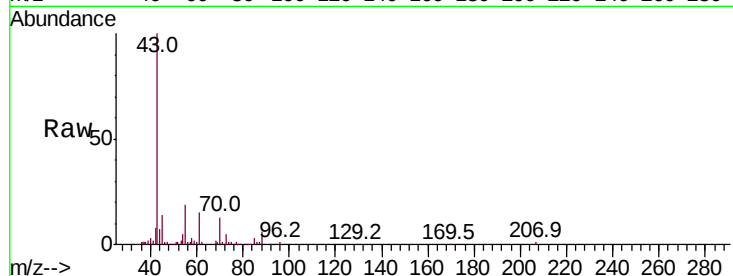
#37
Ethyl Acetate
Concen: 16.249 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	43	Resp:	42840
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	12.3	9.4	14.0

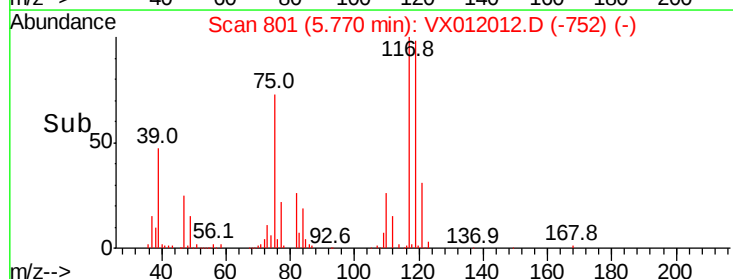
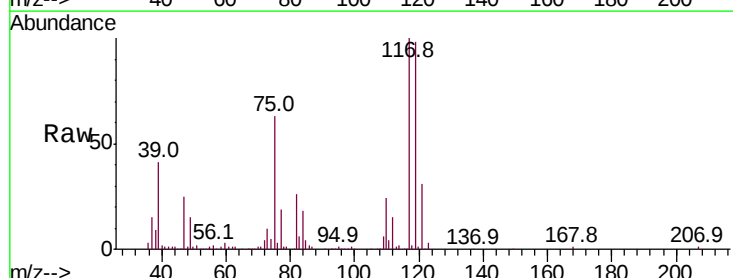
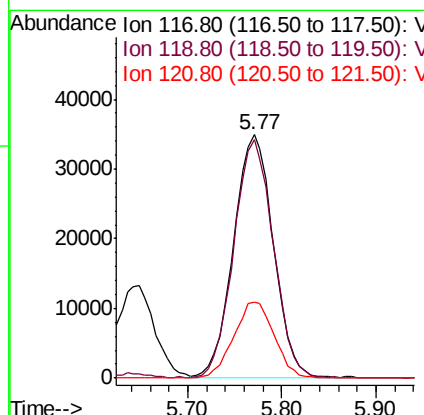
Manual Integrations
APPROVED

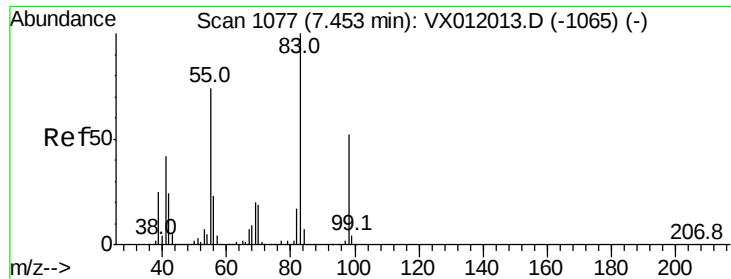
sam
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#38
Carbon Tetrachloride
Concen: 19.144 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion:	117	Resp:	102350
Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.3	117.5
121	31.2	24.2	36.2





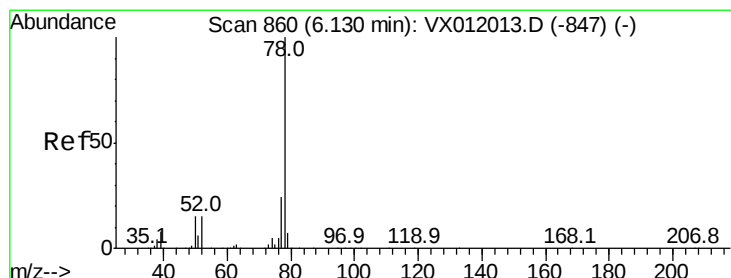
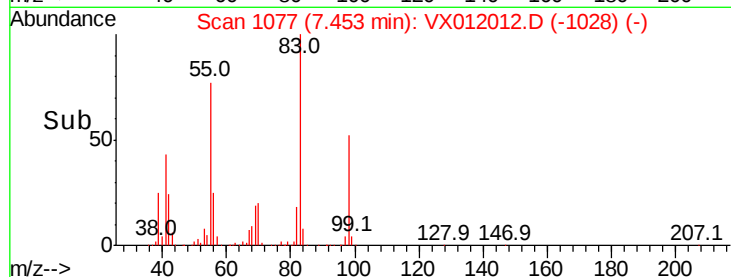
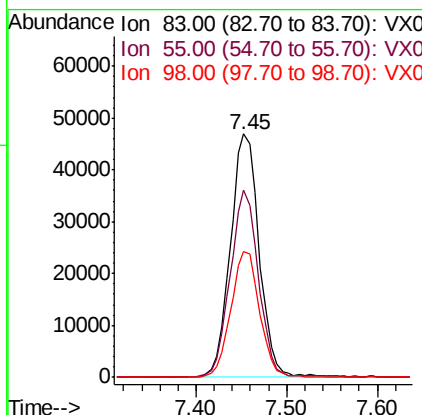
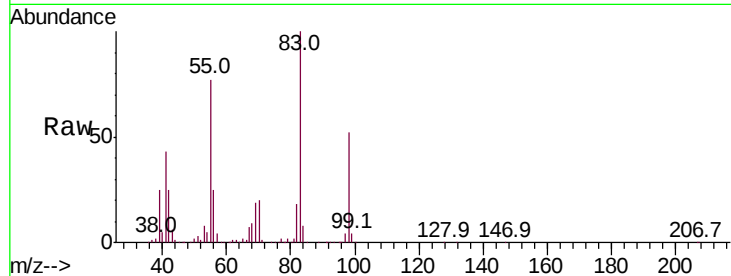
#39
Methvlcvclohexane
Concen: 18.858 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	103391		
55	76.7	59.6	89.4	
98	51.8	41.4	62.0	

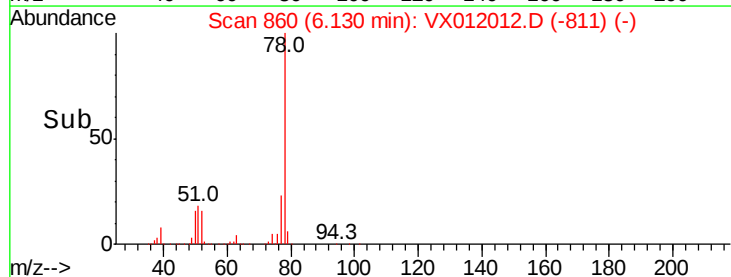
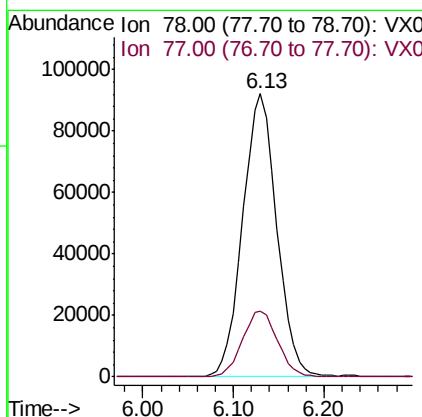
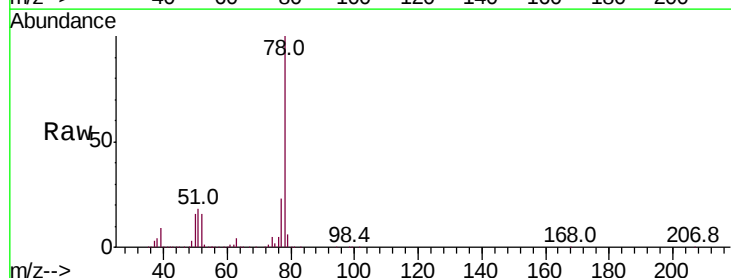
Manual Integrations
APPROVED

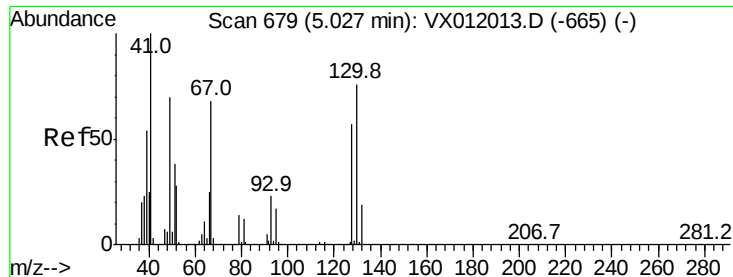
sam
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#40
Benzene
Concen: 17.765 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	240282		
77	23.3	19.3	28.9	





#41

Methacrylonitrile

Concen: 17.006 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

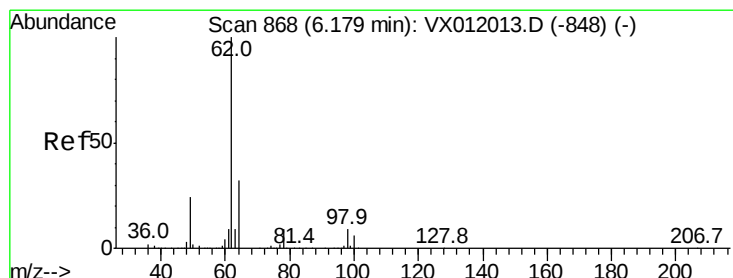
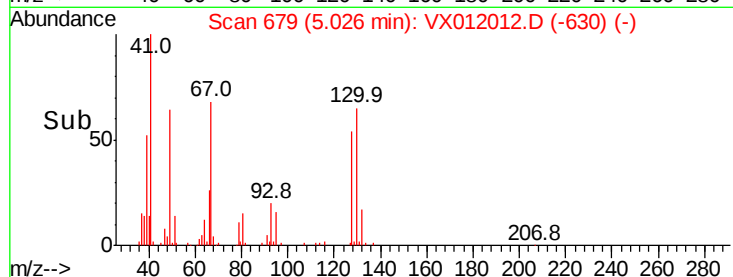
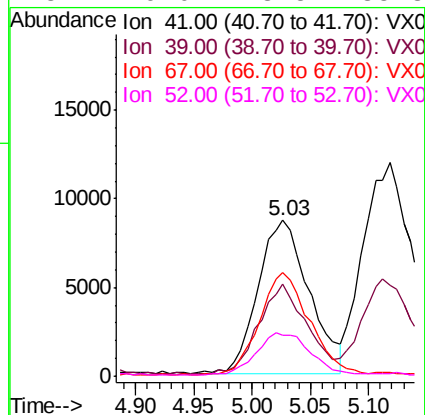
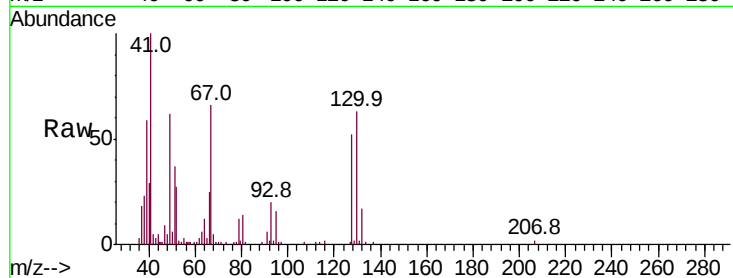
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	46.7	70.1	
67	65.2	57.0	85.6	
52	29.0	23.5	35.3	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 17.714 ug/l

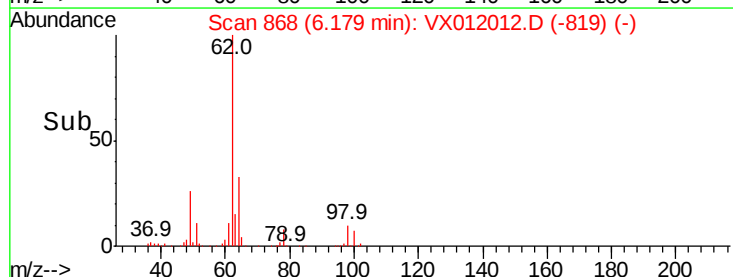
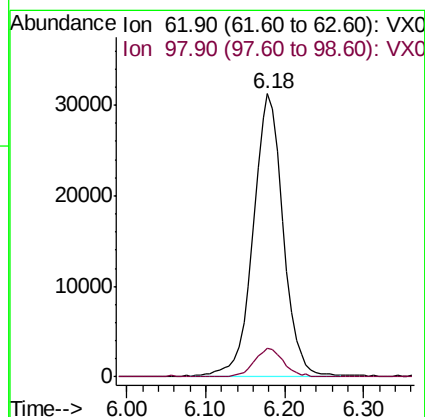
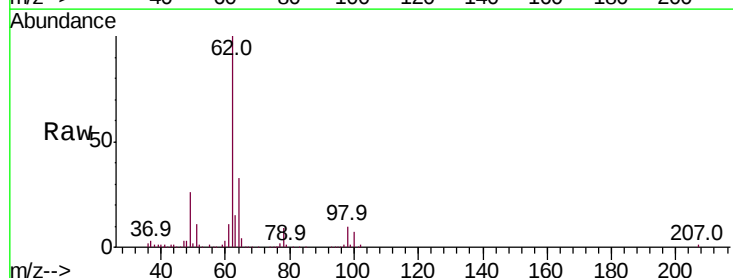
RT: 6.18 min Scan# 868

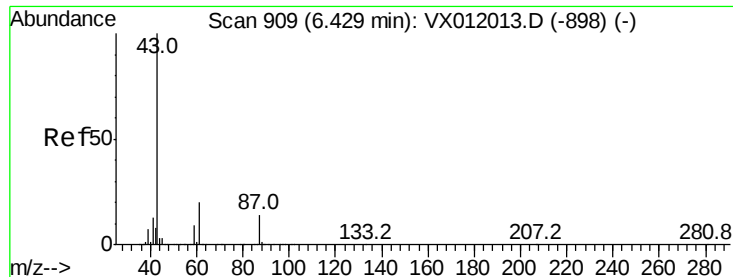
Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.2	





#43

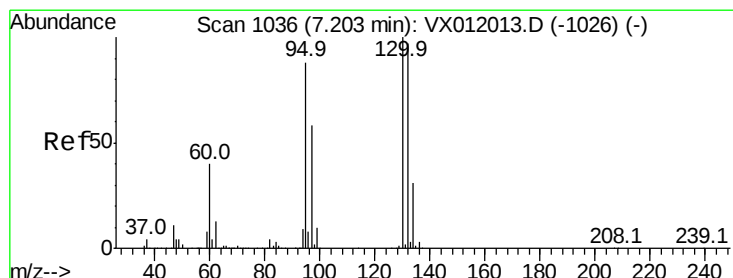
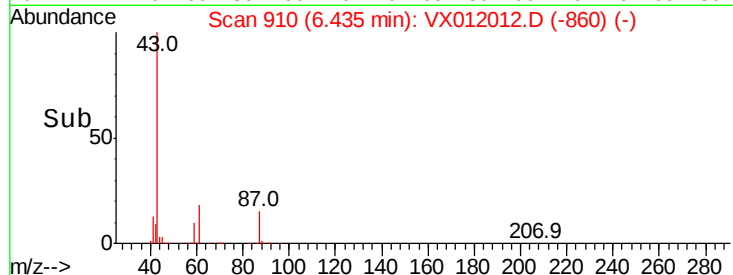
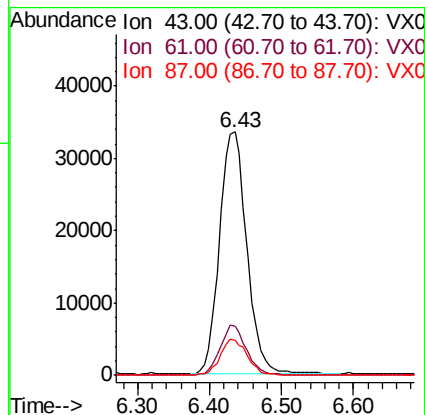
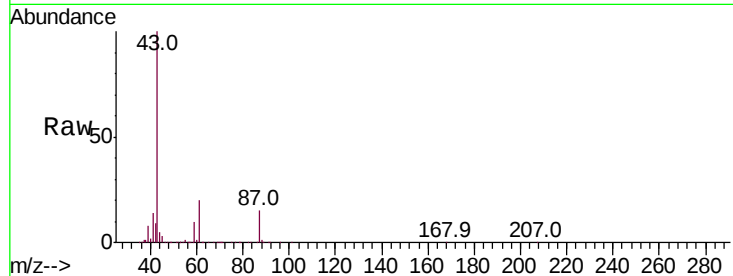
Isopropyl Acetate
 Concen: 16.620 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	14.7	11.3	16.9

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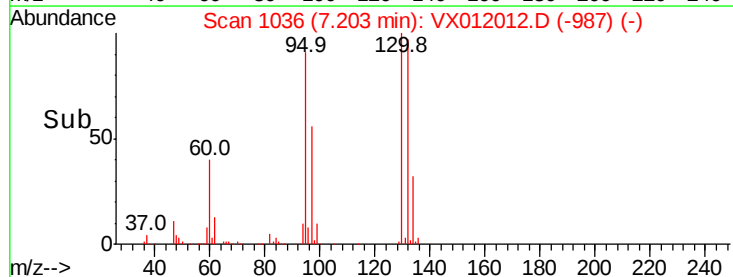
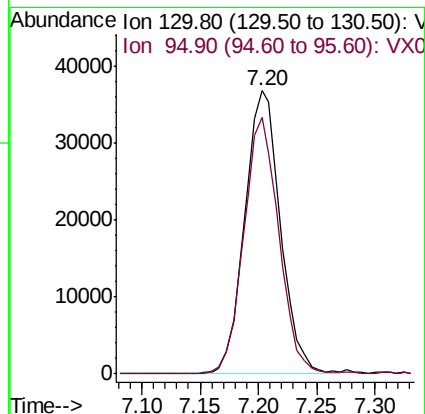
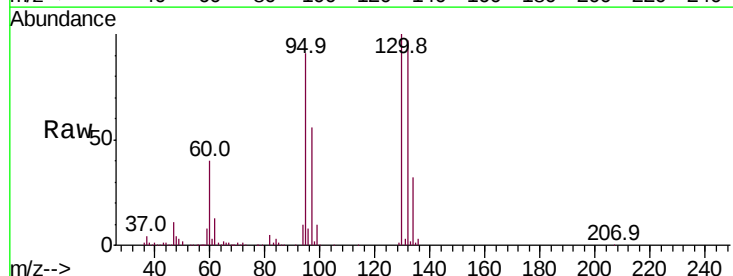
Sam
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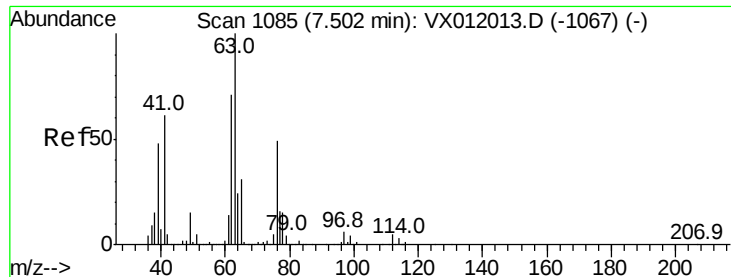


#44

Trichloroethene
 Concen: 18.662 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	176.4





#45

1,2-Dichloropropane

Concen: 17.839 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 62760

Ion Ratio Lower Upper

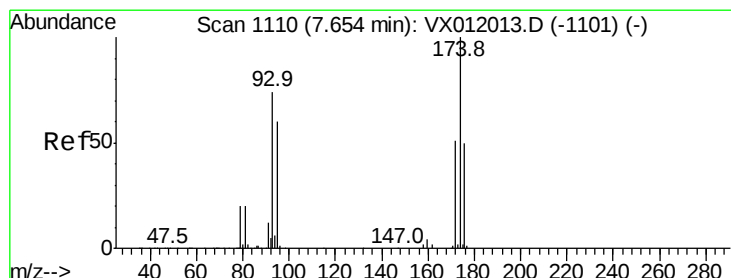
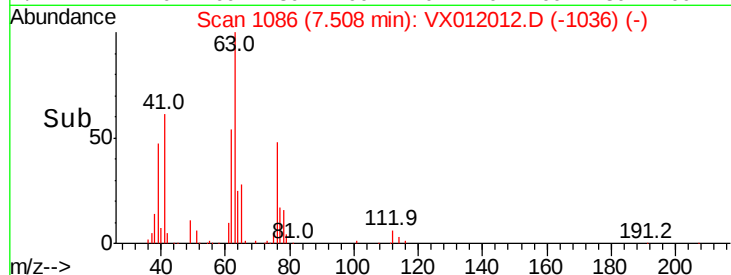
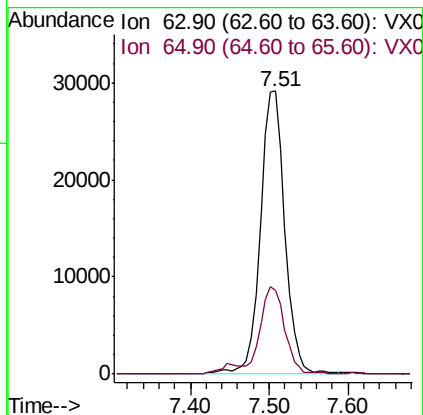
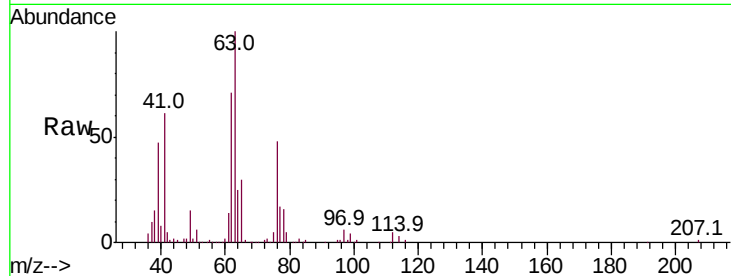
63 100

65 29.6 25.0 37.6

Manual Integrations
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#46

Dibromomethane

Concen: 17.235 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

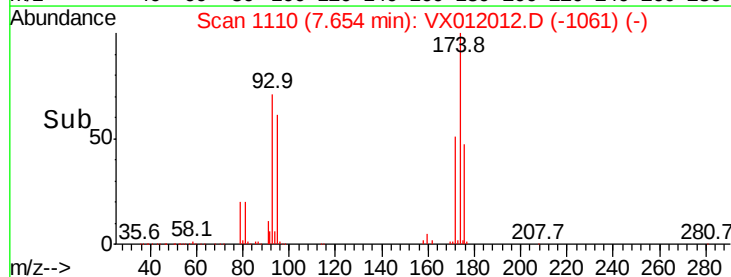
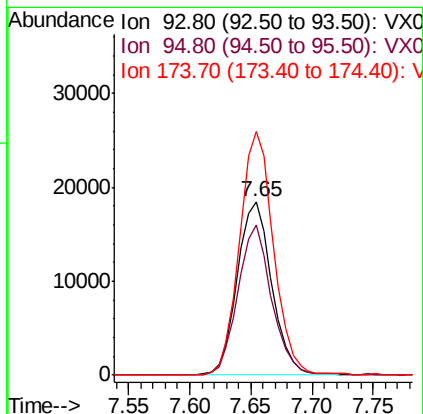
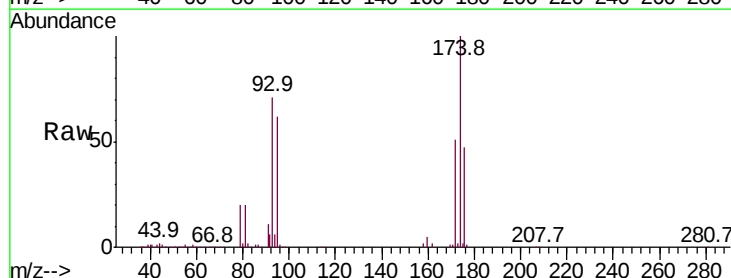
Tgt Ion: 93 Resp: 36147

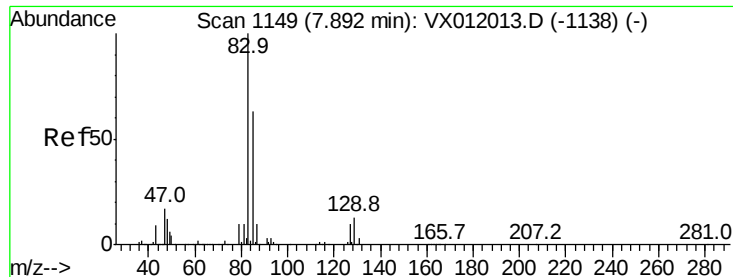
Ion Ratio Lower Upper

93 100

95 84.9 66.2 99.2

174 138.9 110.2 165.4





#47

Bromodichloromethane

Concen: 17.724 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

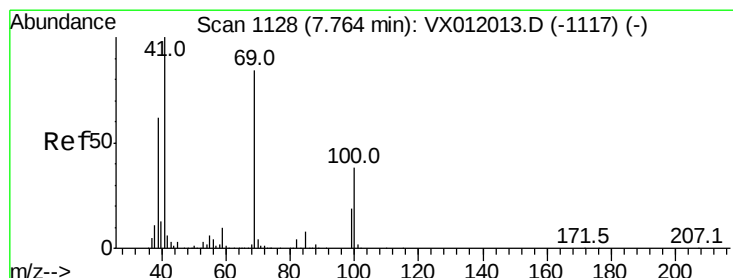
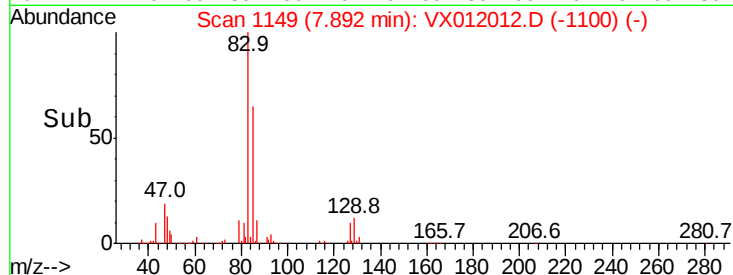
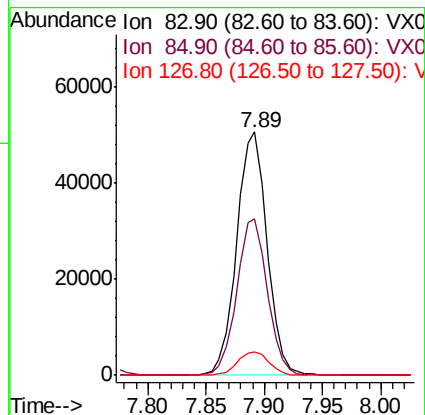
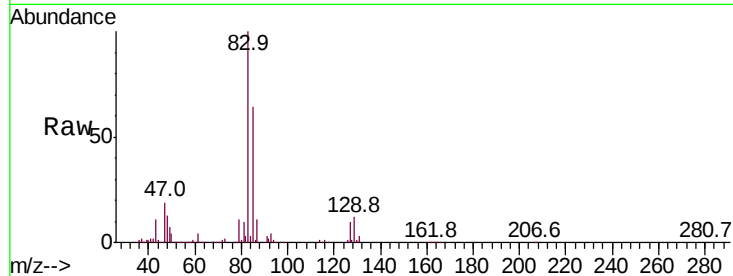
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	92028
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.3	75.5
127	9.9	8.1	12.1

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#48

Methyl methacrylate

Concen: 16.487 ug/l

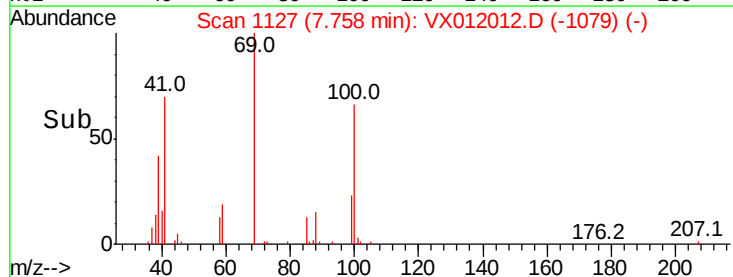
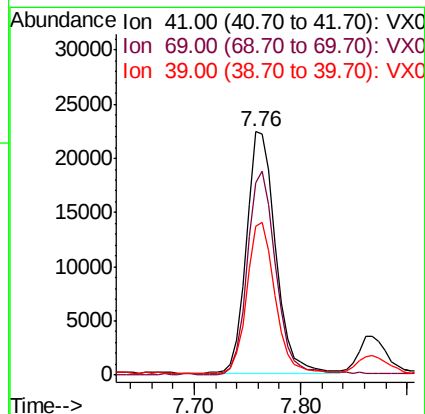
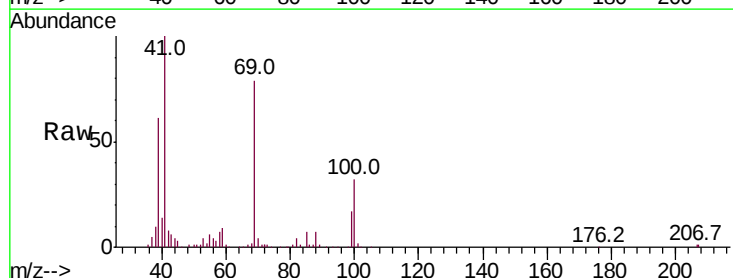
RT: 7.76 min Scan# 1127

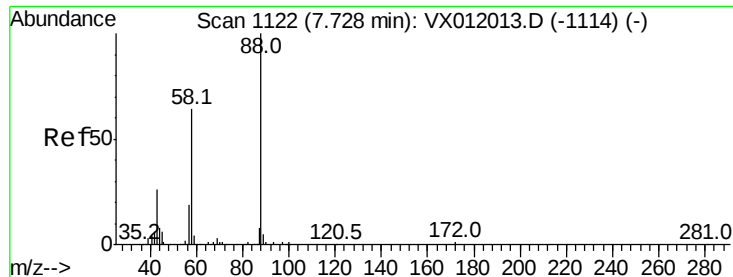
Delta R.T. -0.01 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion:	41	Resp:	42978
Ion	Ratio	Lower	Upper
41	100		
69	84.6	66.3	99.5
39	60.3	48.1	72.1





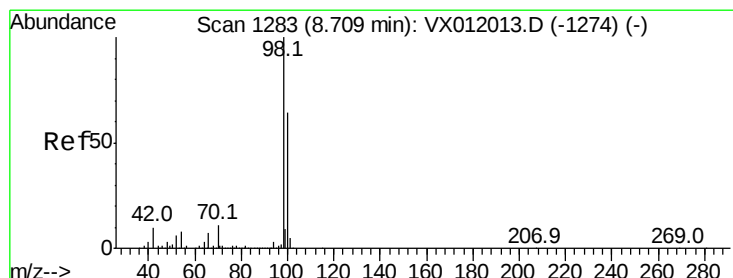
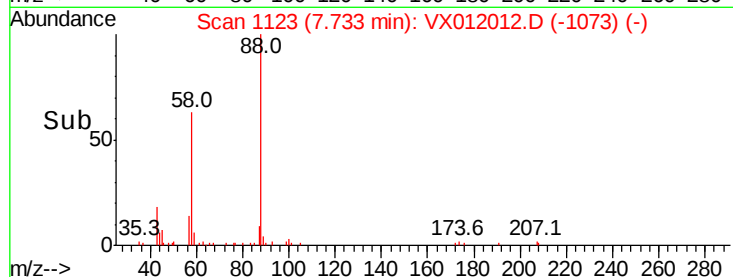
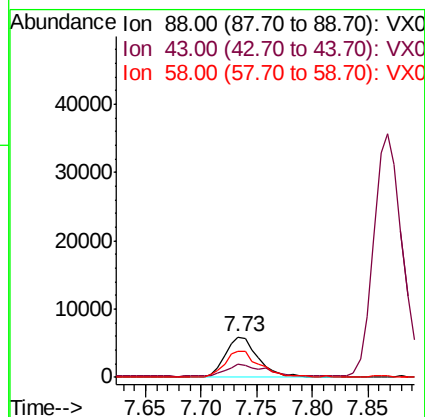
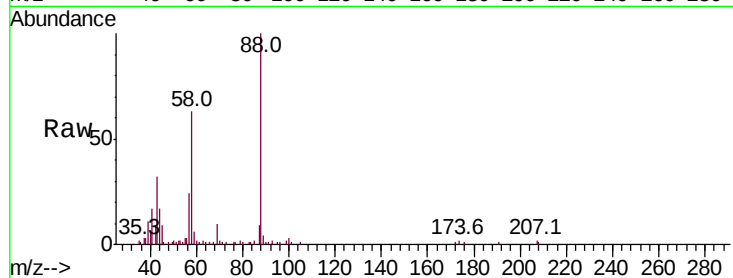
#49
 1,4-Dioxane
 Concen: 341.535 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.8	44.6
58	68.6	55.4	83.2

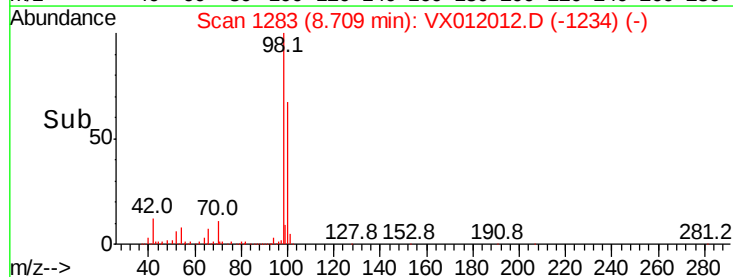
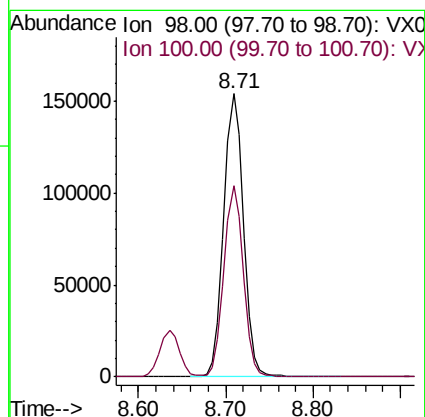
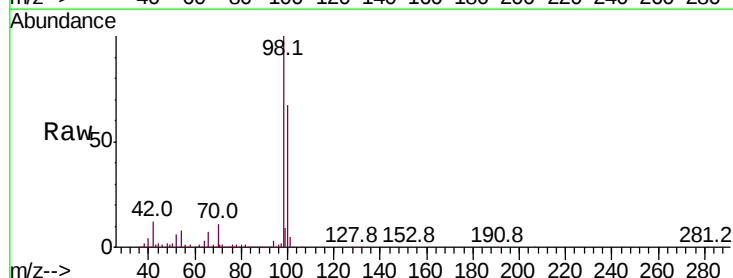
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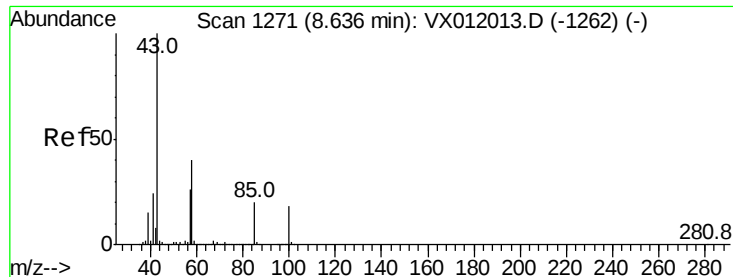
sam
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#50
 Toluene-d8
 Concen: 18.055 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 82.902 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tot Ion: 43 Resp: 225203

Ion Ratio Lower Upper

43 100

58 38.7 31.5 47.3

Instrument :

MSVOA_X

ClientSampleId :

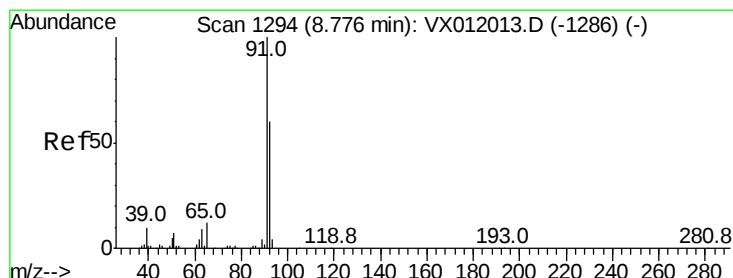
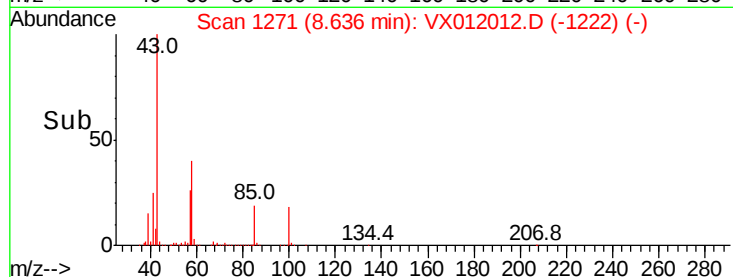
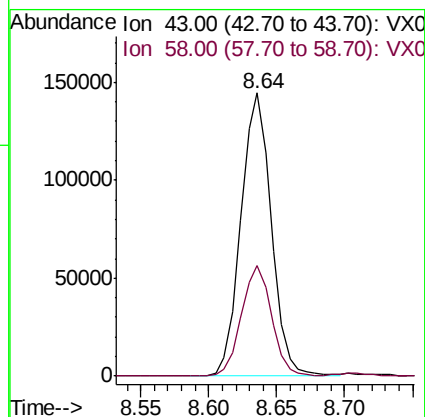
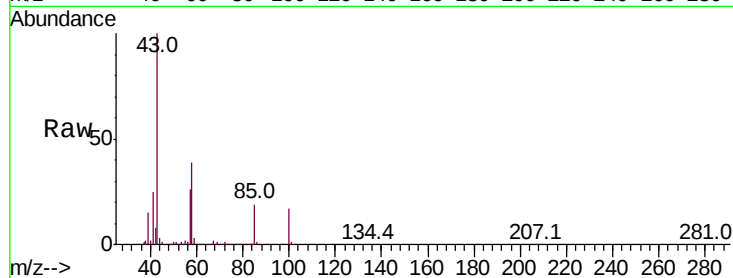
VSTDIC020

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#52

Toluene

Concen: 18.211 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012012.D

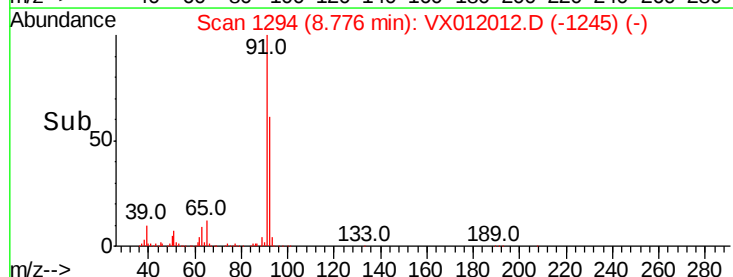
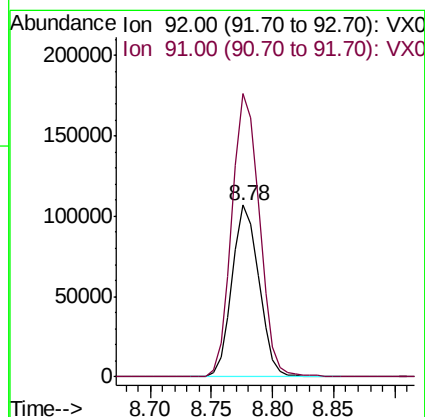
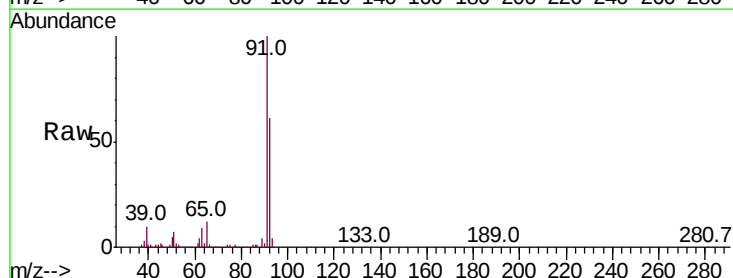
Acq: 02 Sep 2019 13:21

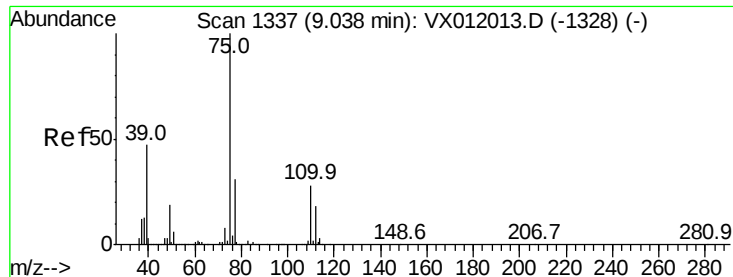
Tgt Ion: 92 Resp: 163652

Ion Ratio Lower Upper

92 100

91 169.0 136.0 204.0





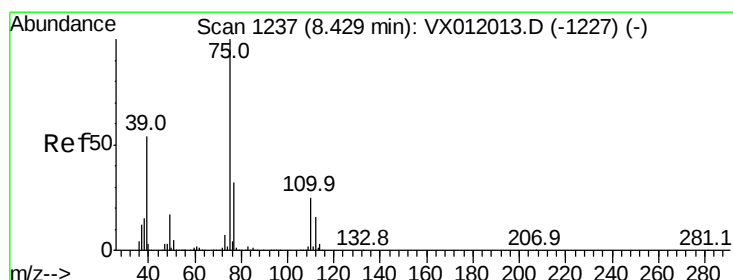
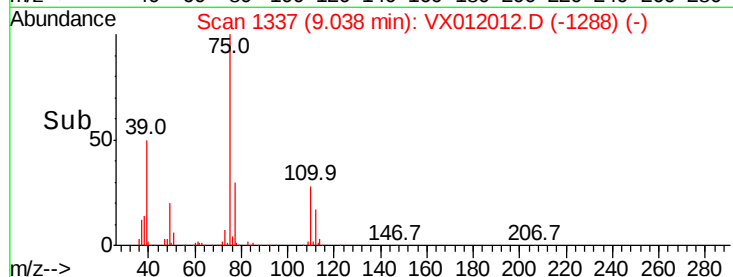
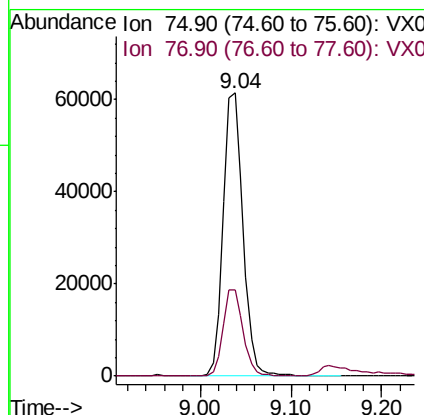
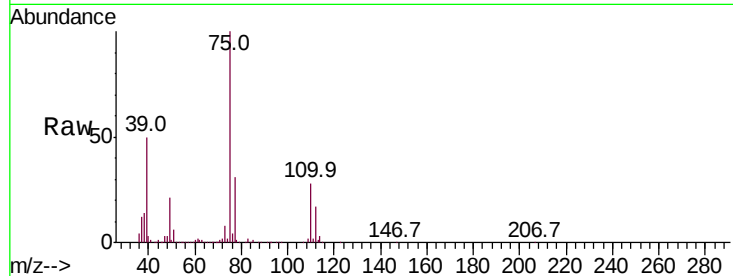
#53
t-1,3-Dichloropropene
Concen: 17.675 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.1	37.7

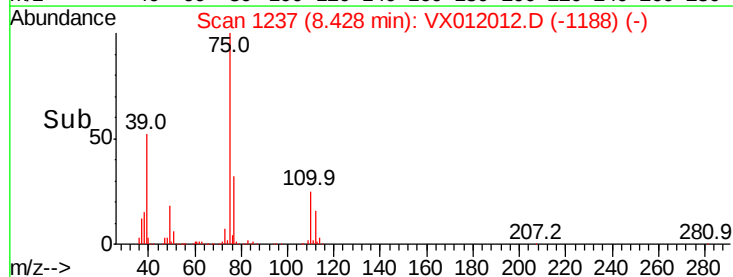
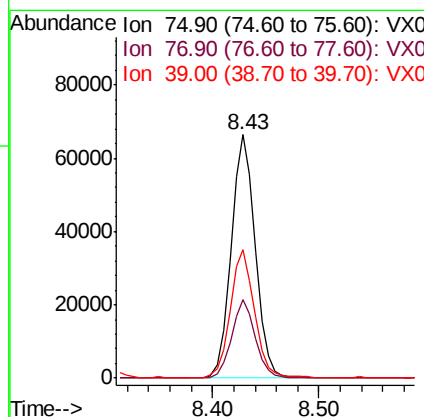
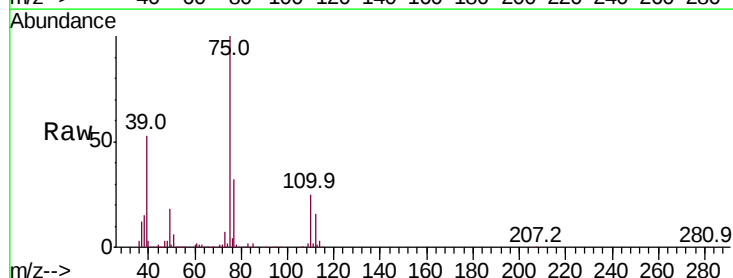
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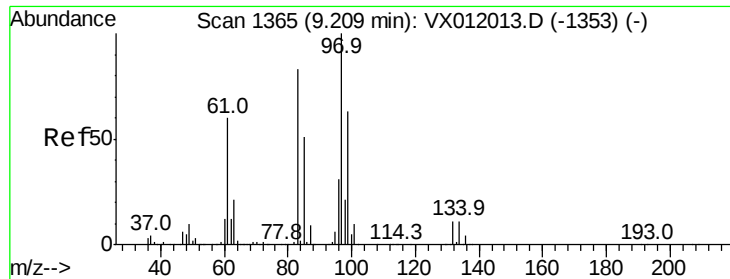
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#54
cis-1,3-Dichloropropene
Concen: 17.671 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	52.2	43.0	64.4





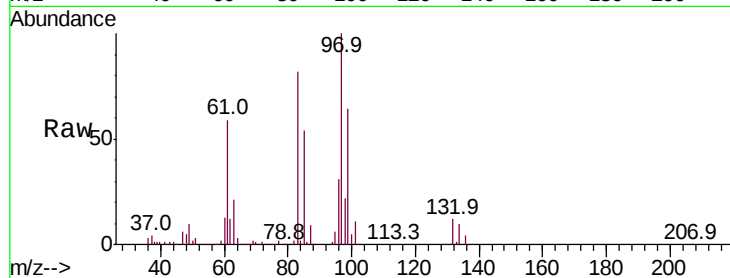
#55
 1,1,2-Trichloroethane
 Concen: 17.689 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

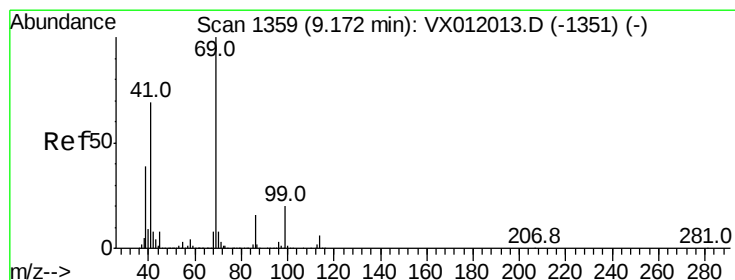
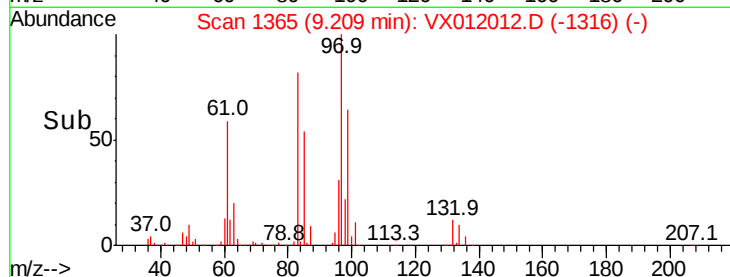
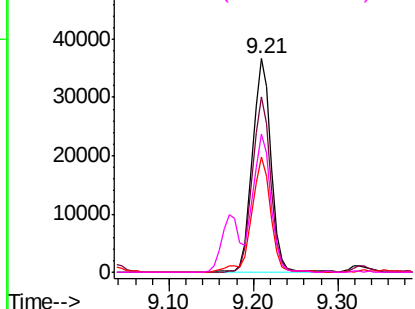
Tot Ion	Ratio	Lower	Upper
97	100		
83	81.7	66.0	99.0
85	53.7	41.0	61.6
99	64.5	50.6	75.8

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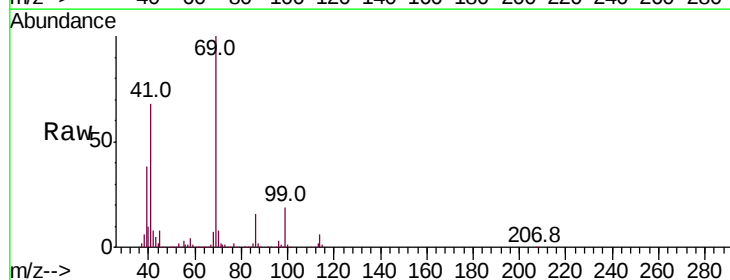


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

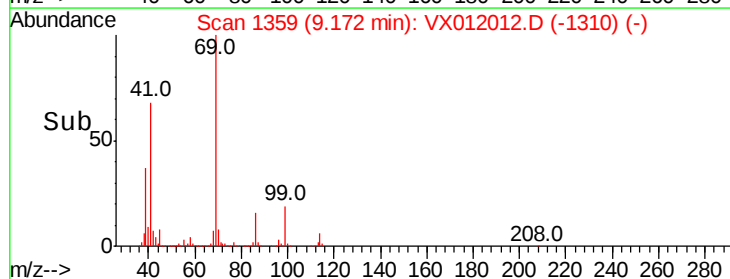
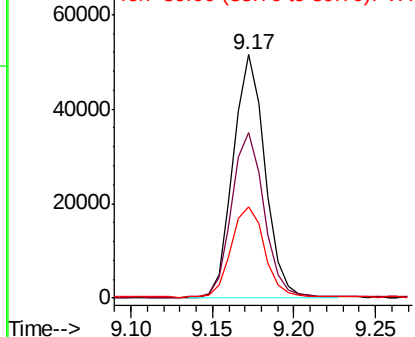


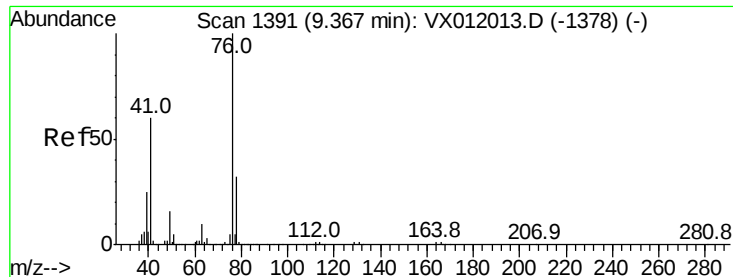
#56
 Ethyl methacrylate
 Concen: 16.595 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.8	53.9	80.9
39	38.9	31.1	46.7



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 17.597 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 89440

Ion Ratio Lower Upper

76 100

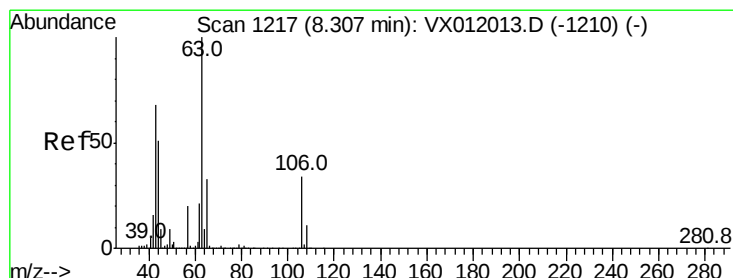
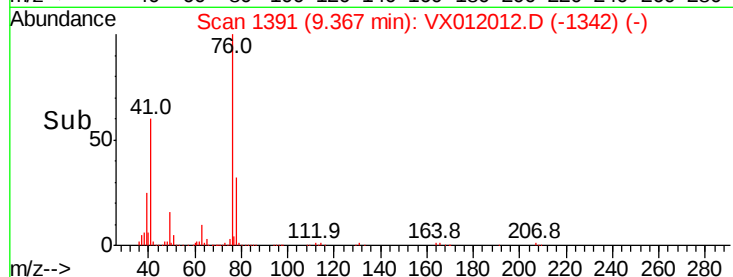
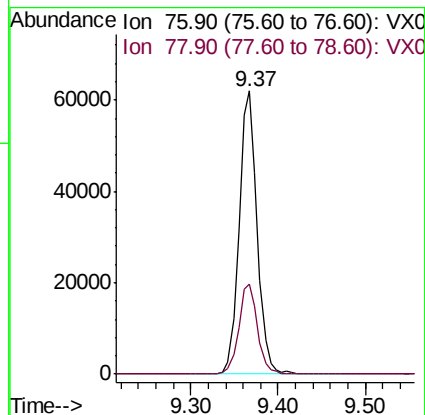
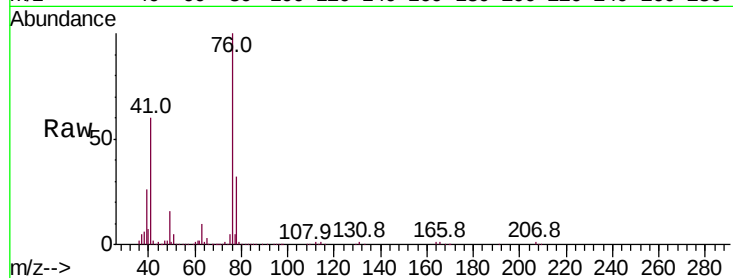
78 33.1 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 79.121 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012012.D

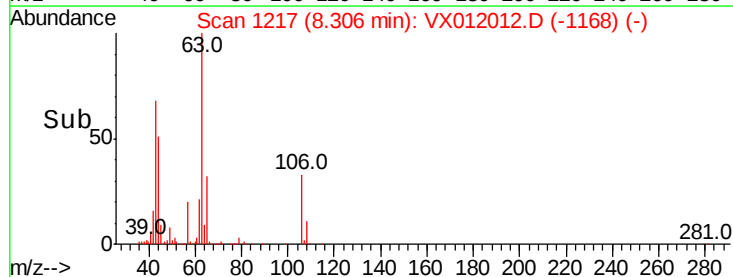
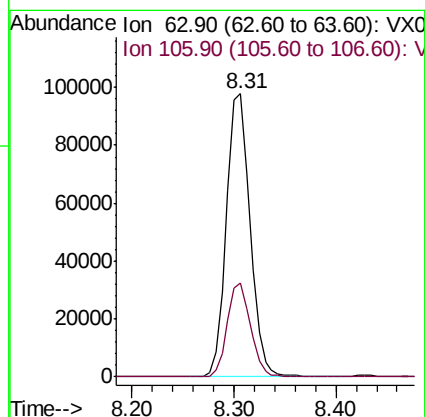
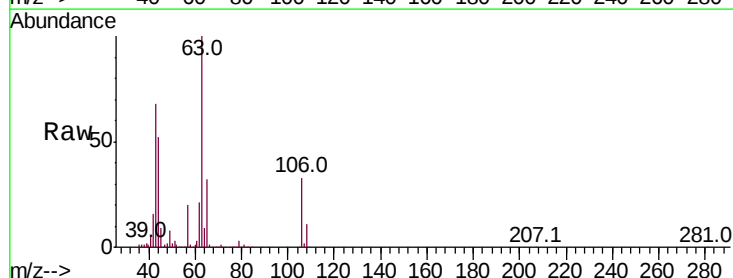
Acq: 02 Sep 2019 13:21

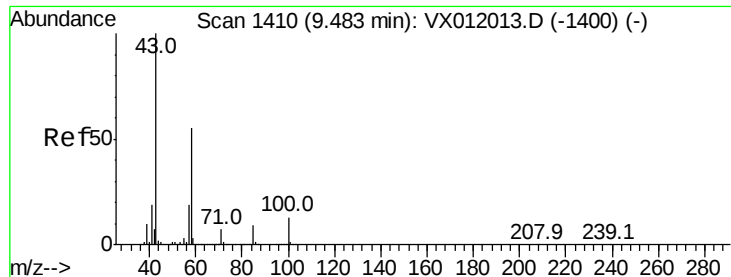
Tgt Ion: 63 Resp: 156836

Ion Ratio Lower Upper

63 100

106 32.7 26.5 39.7





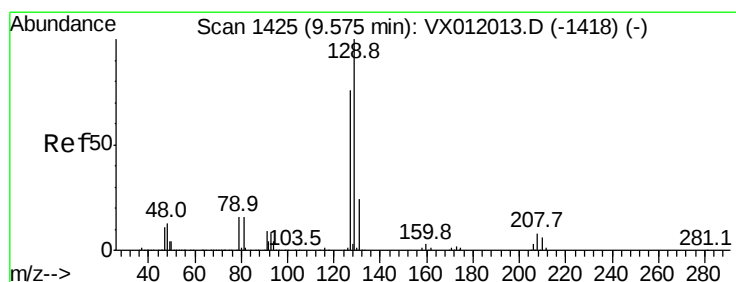
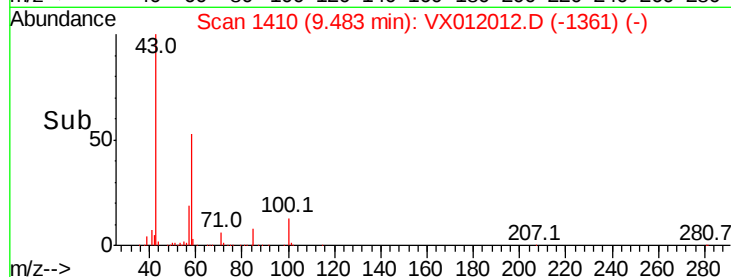
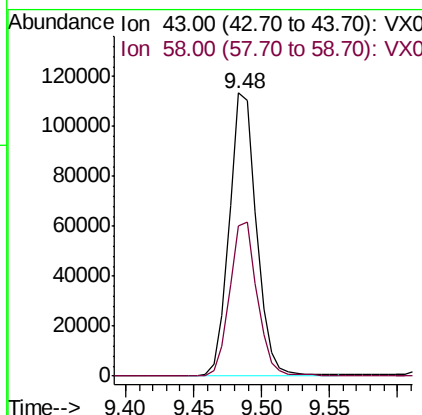
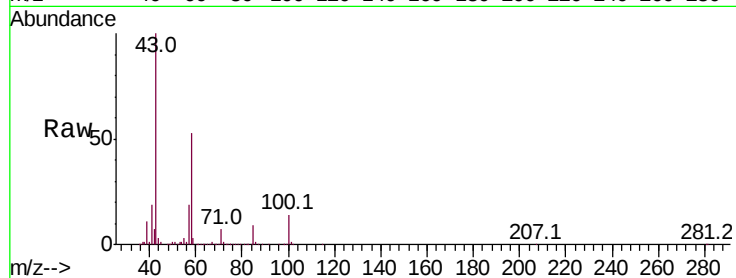
#59
2-Hexanone
Concen: 81.675 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.2	81.6

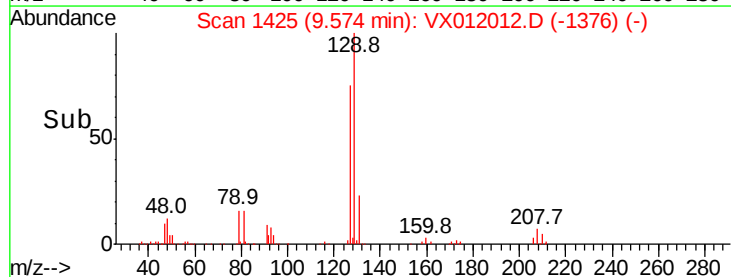
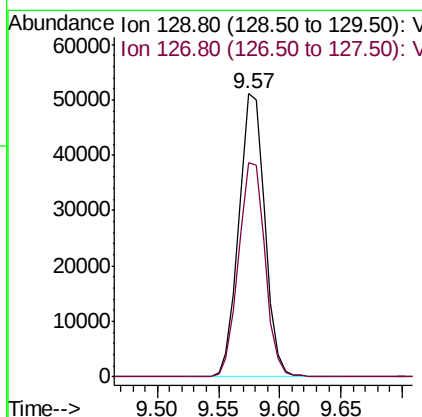
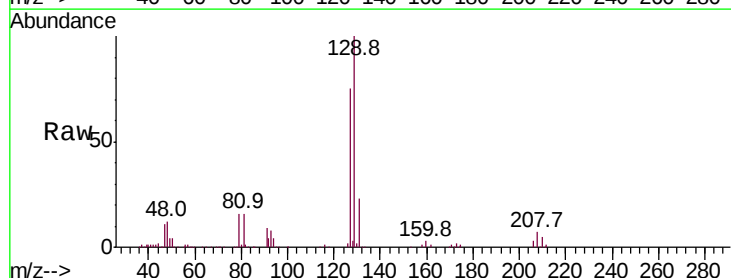
Manual Integrations
APPROVED

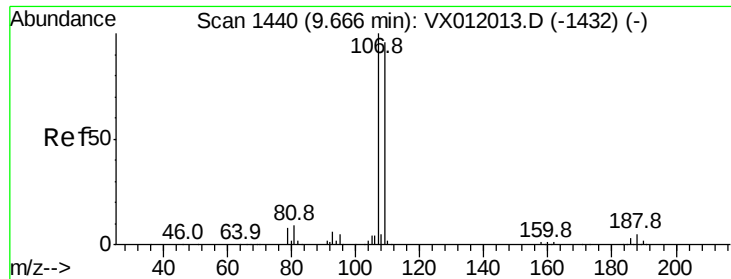
sam
9/3/2019 2:15:44 PM



#60
Dibromochloromethane
Concen: 18.175 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.1	114.5





#61

1,2-Dibromoethane

Concen: 17.418 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 52995

Ion Ratio Lower Upper

107 100

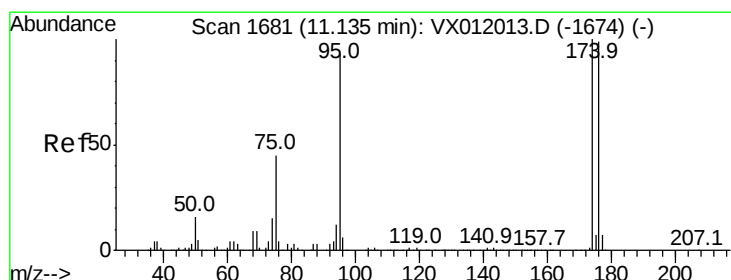
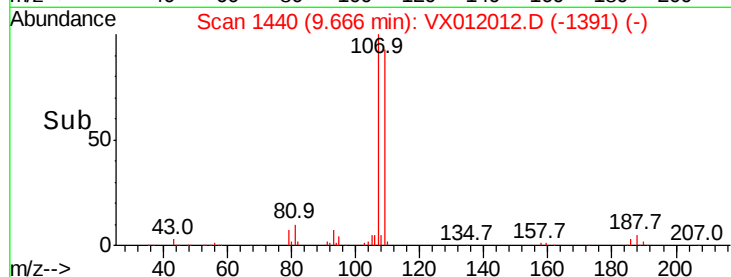
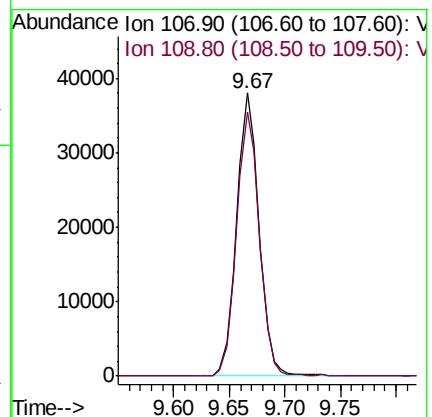
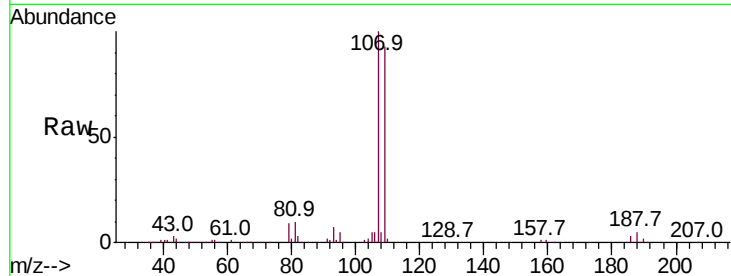
109 95.2 76.9 115.3

Manual Integrations

APPROVED

sam

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#62

4-Bromofluorobenzene

Concen: 20.033 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

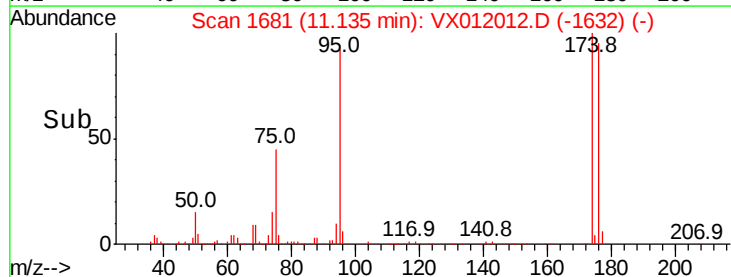
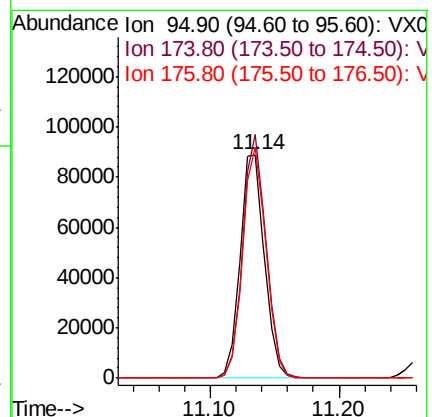
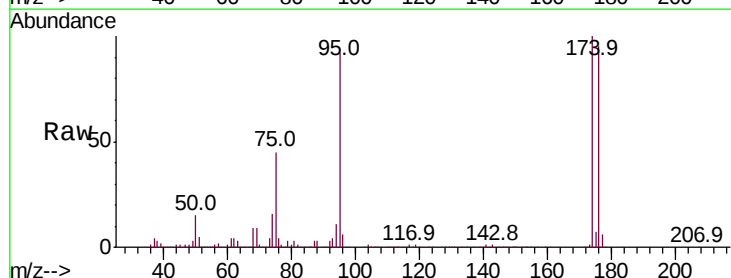
Tgt Ion: 95 Resp: 116870

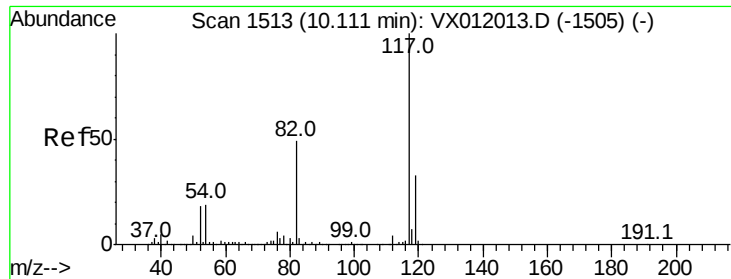
Ion Ratio Lower Upper

95 100

174 104.2 0.0 205.4

176 99.4 0.0 201.8





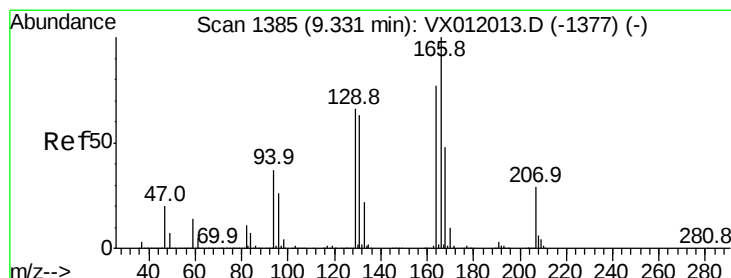
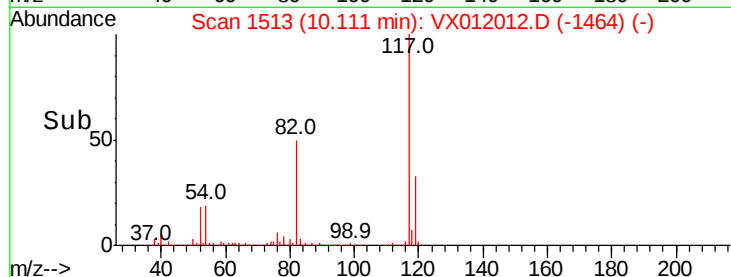
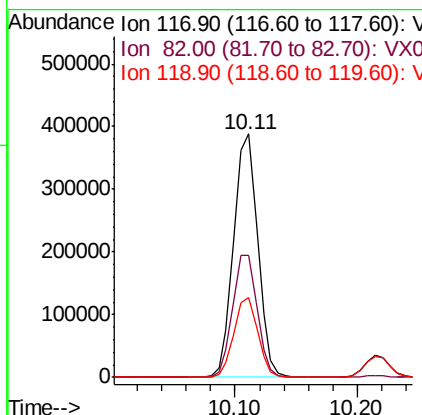
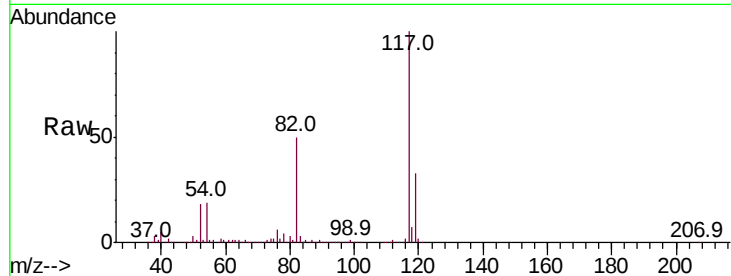
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	529350		
82	50.2		39.4	59.0
119	32.6		26.1	39.1

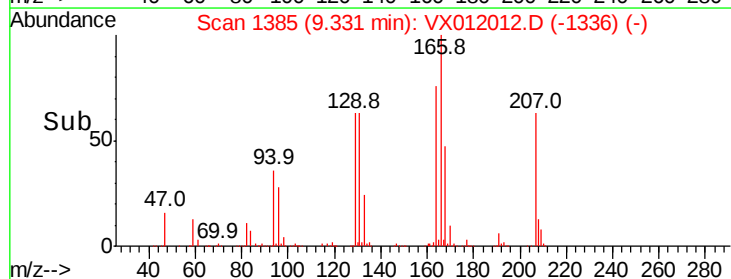
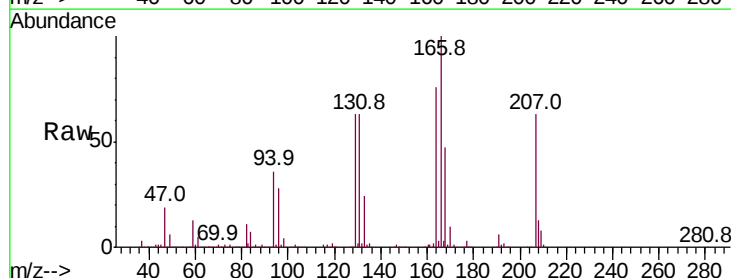
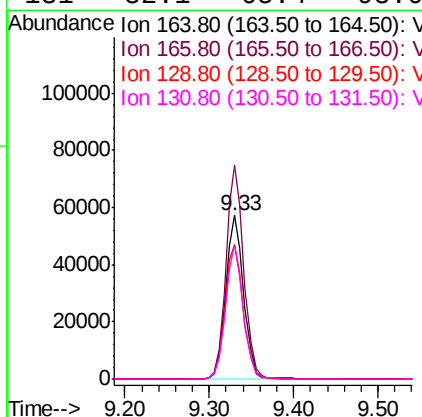
Manual Integrations
APPROVED

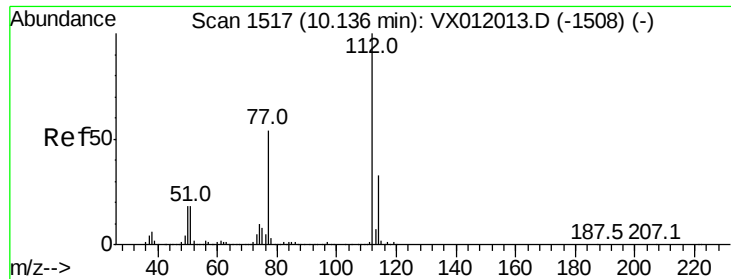
sam
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#64
Tetrachloroethene
Concen: 19.280 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82407		
166	130.8		104.3	156.5
129	82.2		68.3	102.5
131	82.1		65.4	98.0





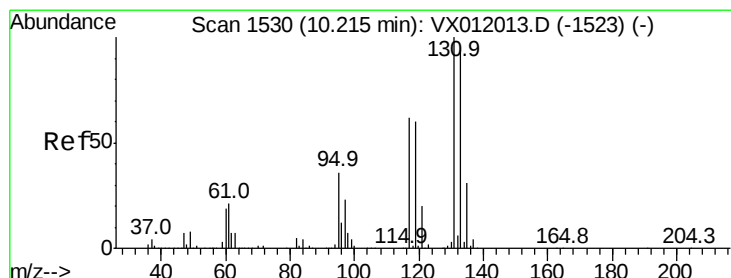
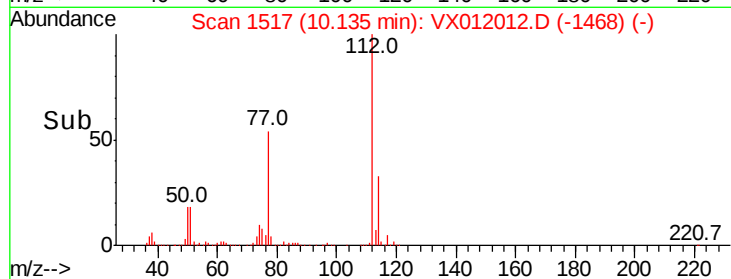
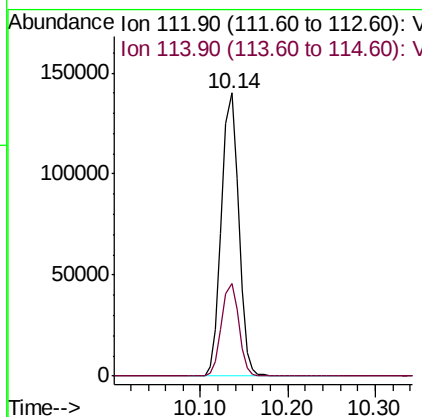
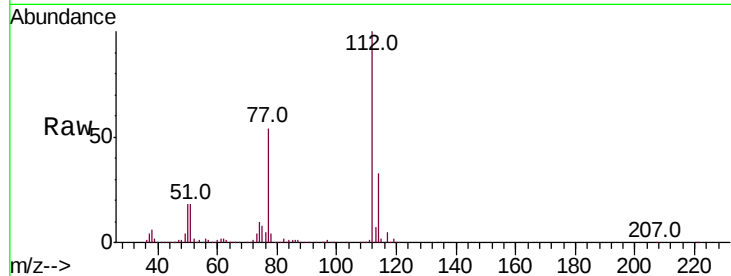
#65
Chlorobenzene
Concen: 18.799 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.2	39.2

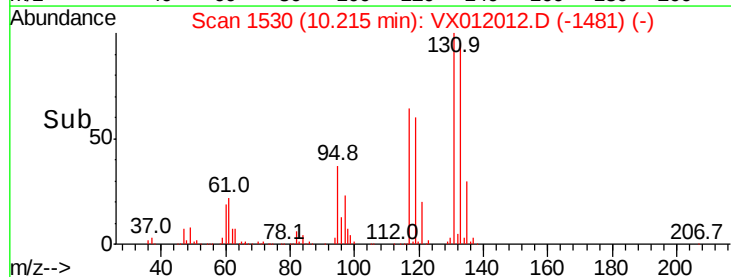
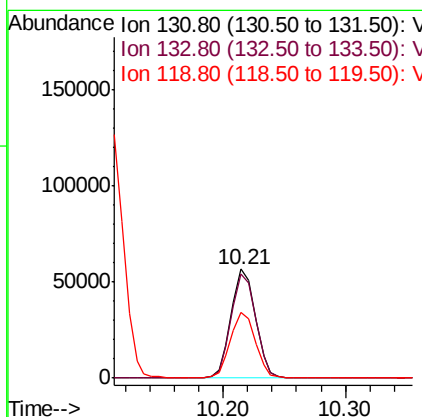
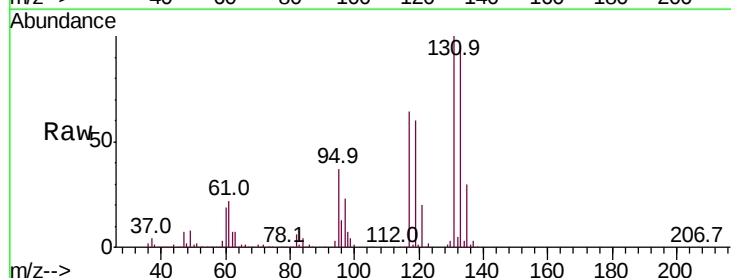
Manual Integrations
APPROVED

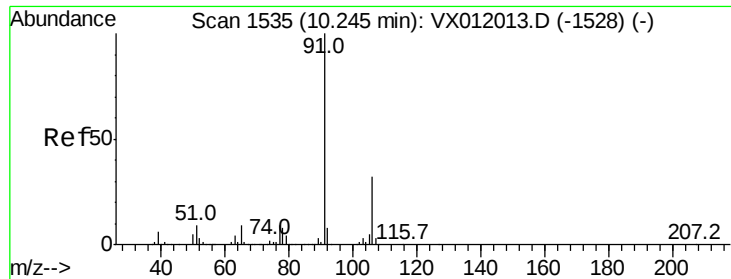
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.145 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.4	145.0
119	60.8	30.5	91.5





#67

Ethyl Benzene

Concen: 18.750 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 325118

Ion Ratio Lower Upper

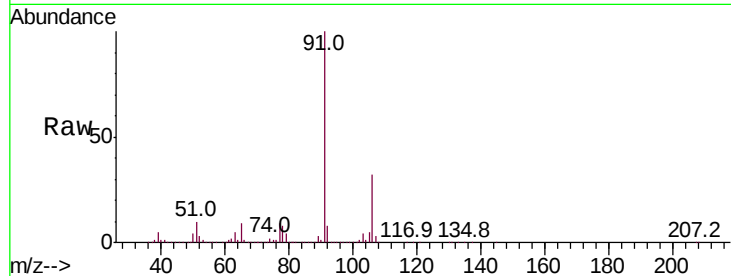
91 100

106 32.2 25.8 38.8

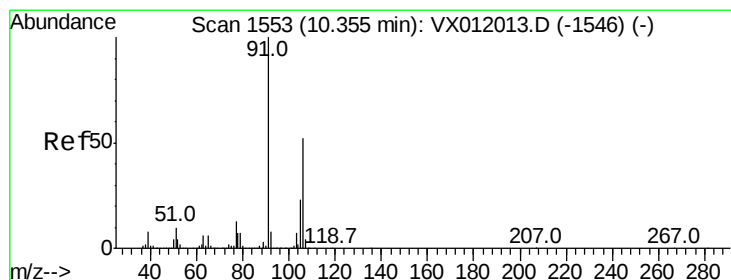
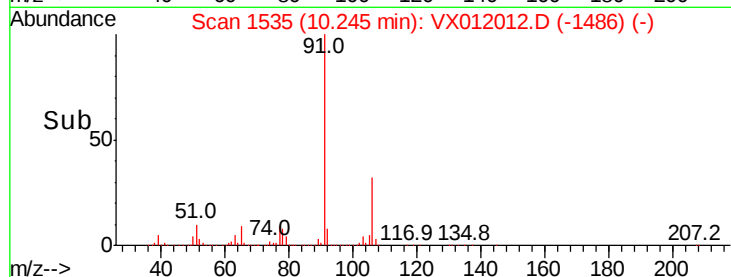
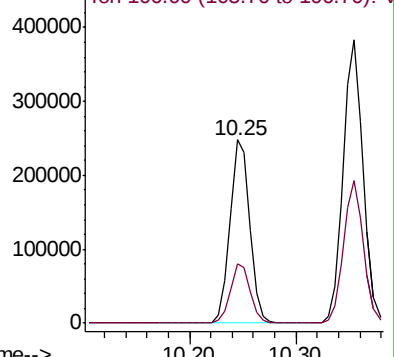
Manual Integrations
APPROVED

sam

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Abundance Ion 91.00 (90.70 to 91.70): VX012013.D (-1528) (-)



#68

m/p-Xylenes

Concen: 37.702 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012012.D

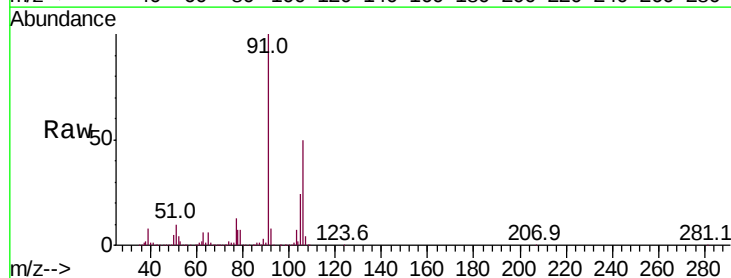
Acq: 02 Sep 2019 13:21

Tgt Ion: 106 Resp: 252790

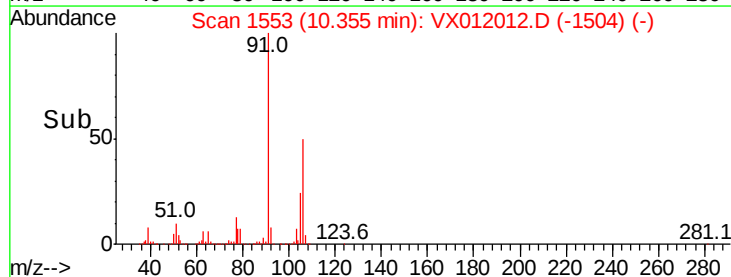
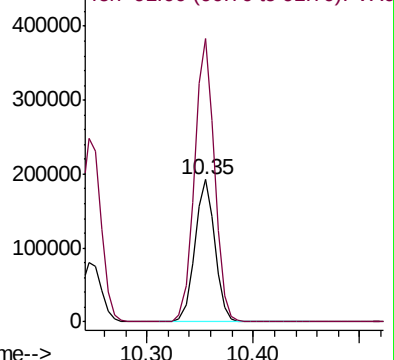
Ion Ratio Lower Upper

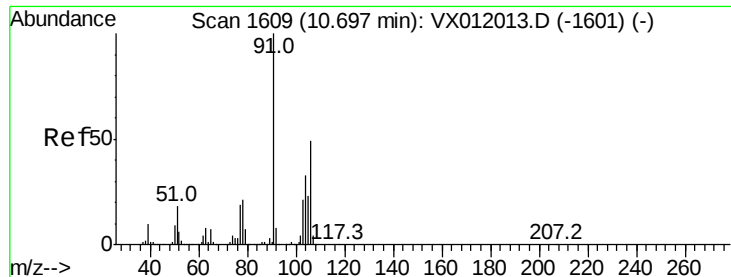
106 100

91 198.8 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VX012013.D (-1546) (-)





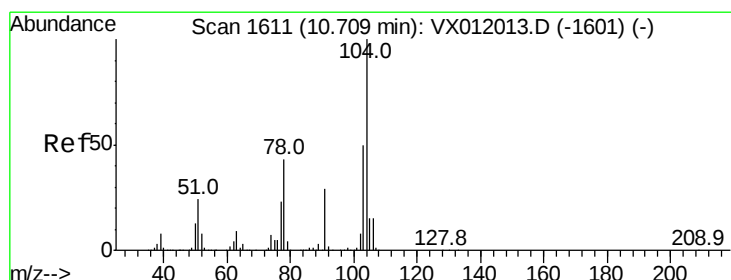
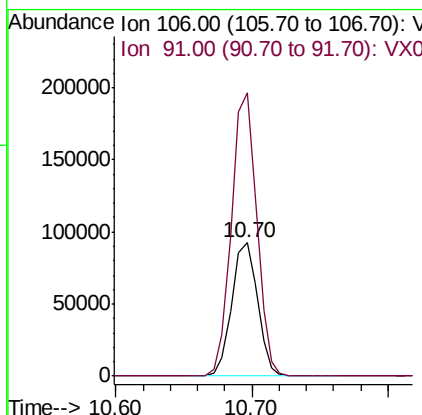
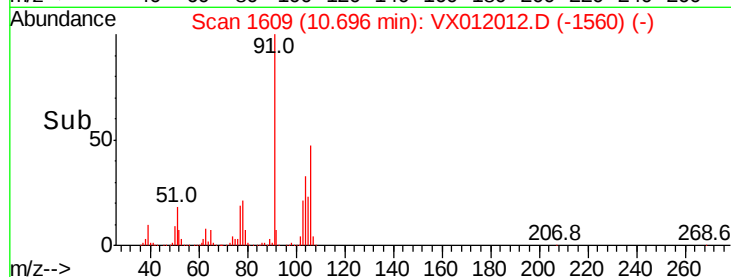
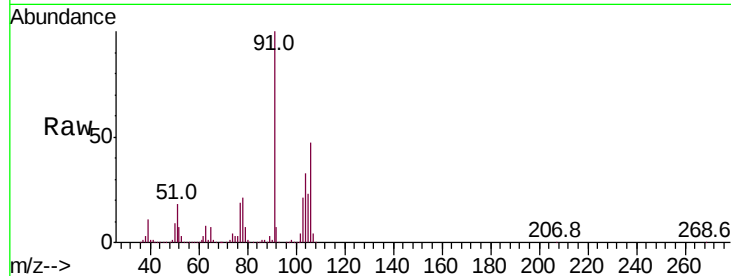
#69
o-Xylene
Concen: 18.784 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.3	103.5	310.3

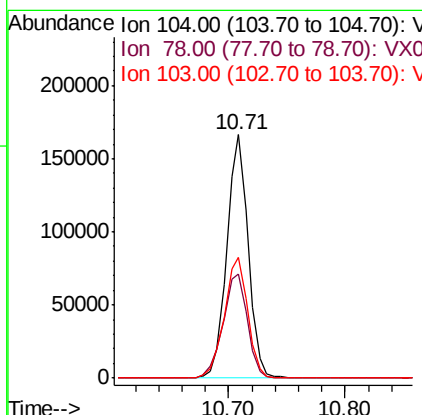
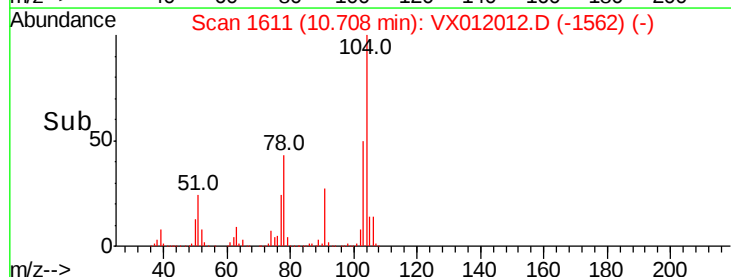
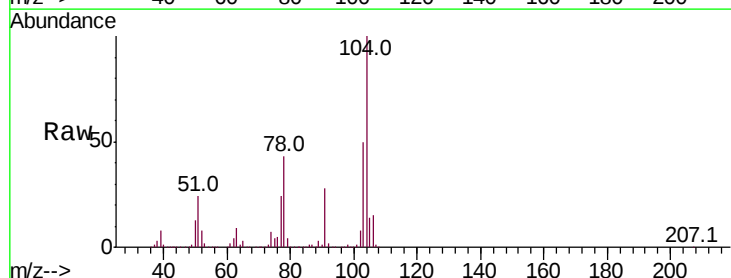
Manual Integrations
APPROVED

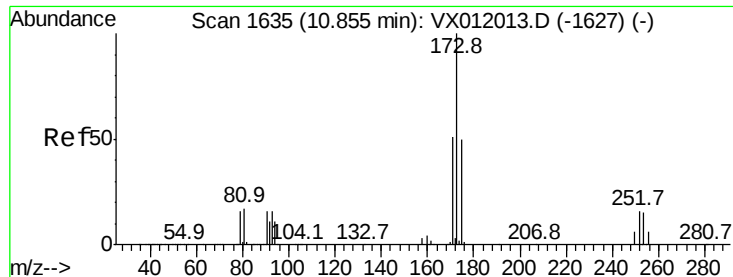
sam
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#70
Styrene
Concen: 18.465 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.1	58.7
103	54.4	43.4	65.2





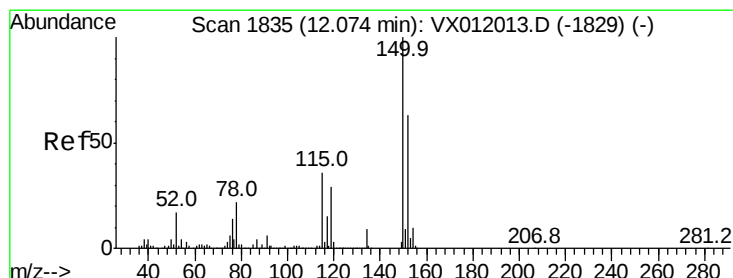
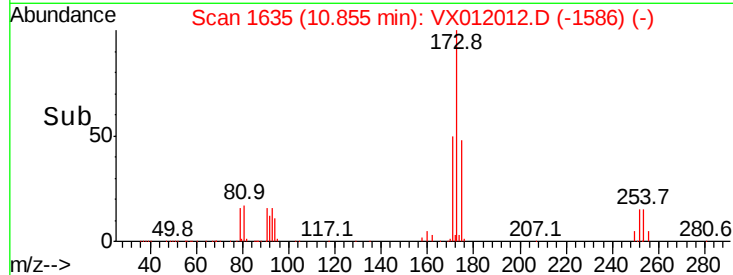
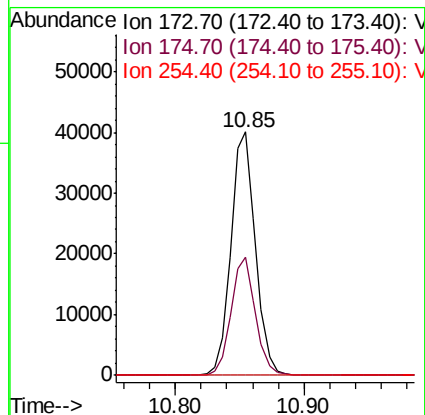
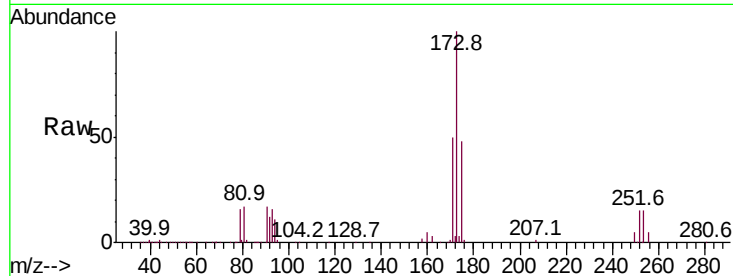
#71
Bromoform
Concen: 18.374 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.7
254	0.1	0.1	0.1

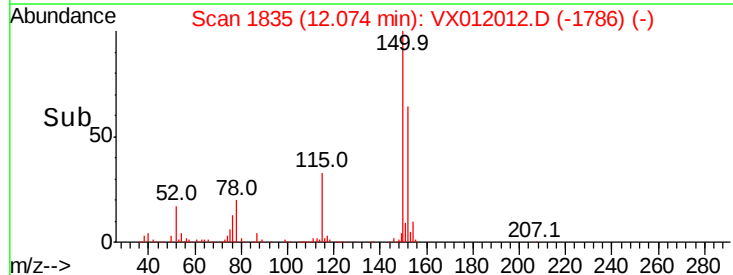
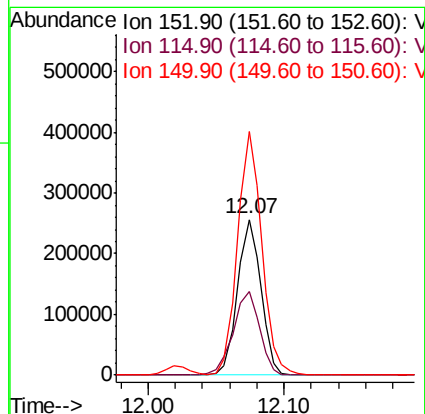
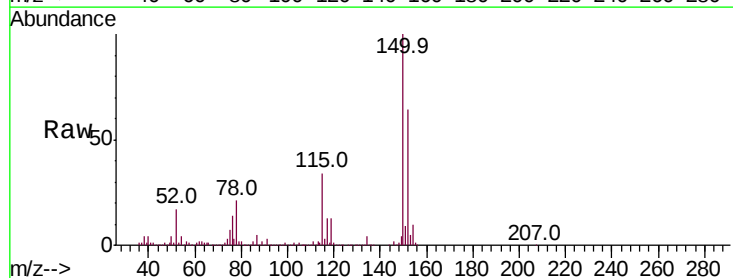
Manual Integrations
APPROVED

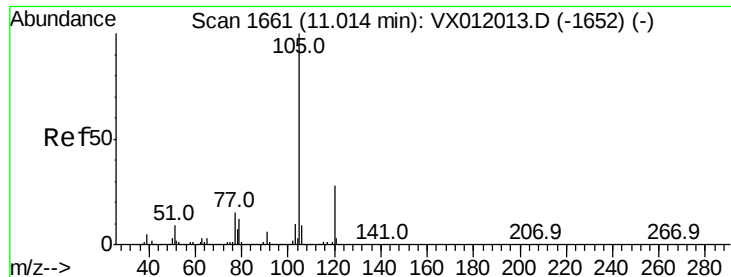
sam
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	36.4	109.3
150	162.3	0.0	341.2





#73

Isopropylbenzene

Concen: 19.380 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 341106

Ion Ratio Lower Upper

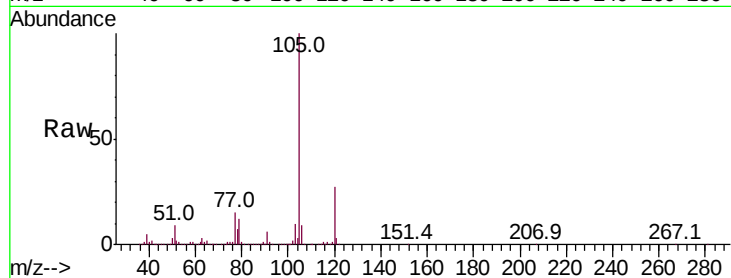
105 100

120 27.7 13.9 41.6

Manual Integrations
APPROVED

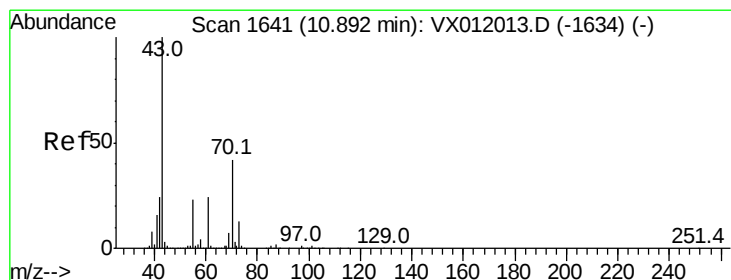
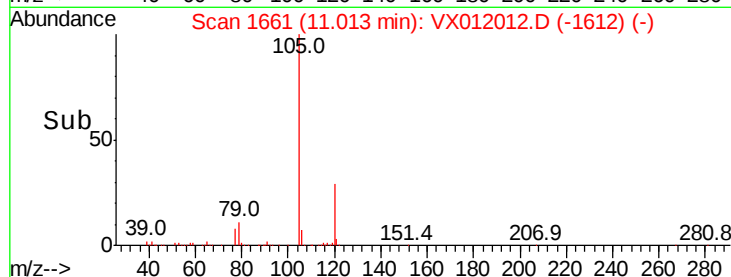
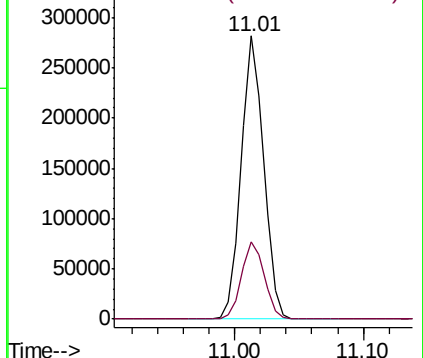
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.871 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion: 43 Resp: 86128

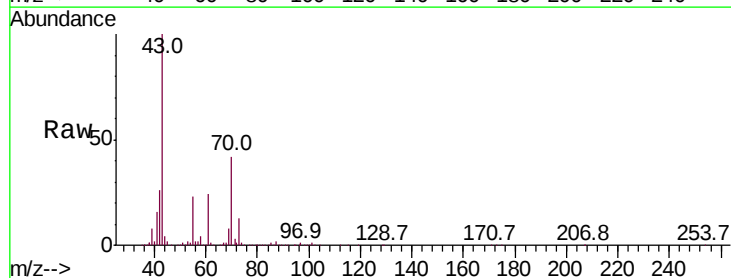
Ion Ratio Lower Upper

43 100

70 42.8 34.4 51.6

55 23.0 18.5 27.7

61 23.9 19.5 29.3

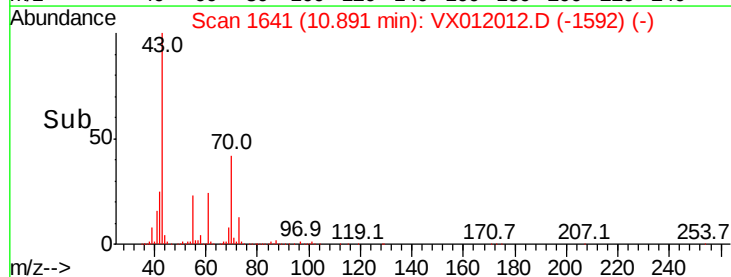
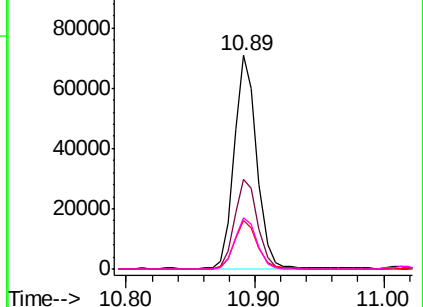


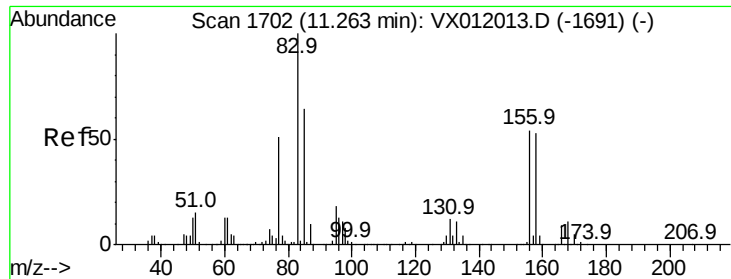
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.695 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

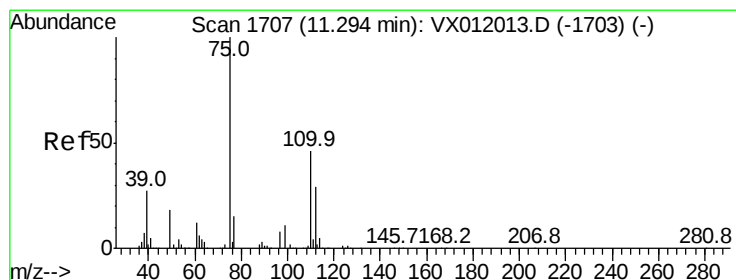
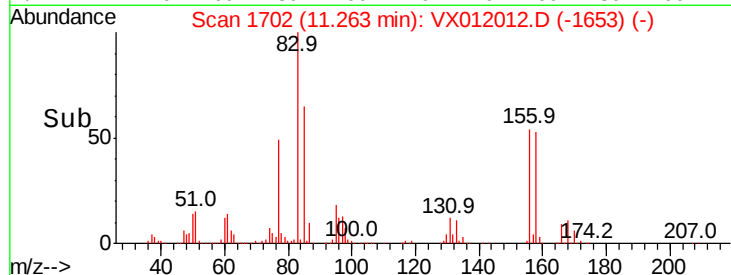
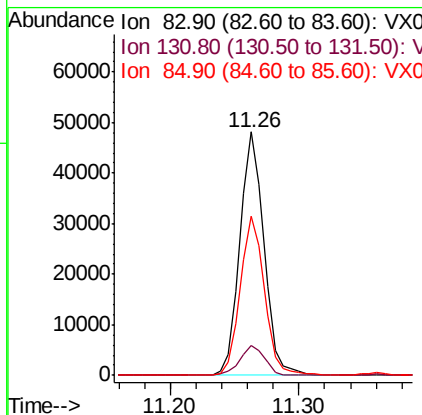
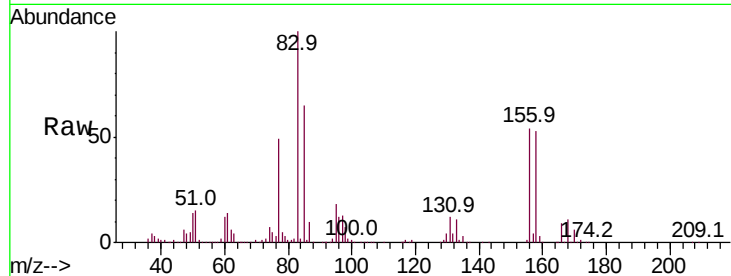
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	62647
Ion Ratio	Lower	Upper	
83	100		
131	12.5	6.3	19.1
85	65.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.858 ug/l m

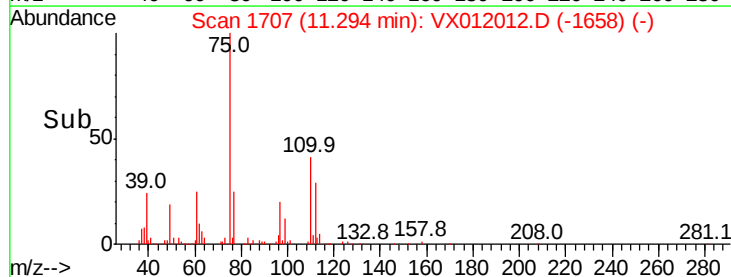
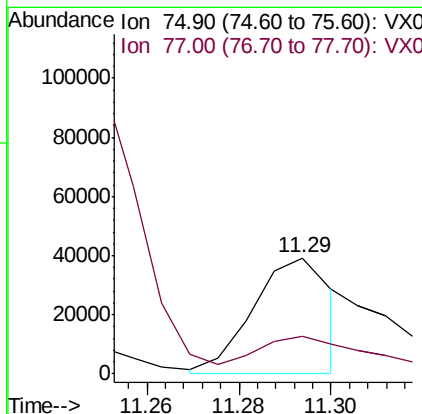
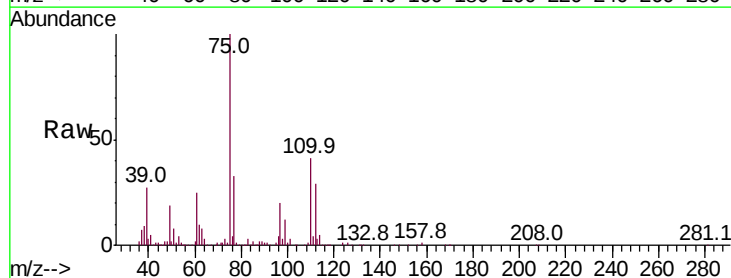
RT: 11.29 min Scan# 1707

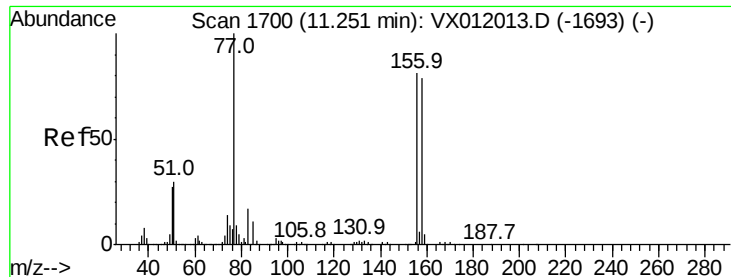
Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion:	75	Resp:	46052
Ion Ratio	Lower	Upper	
75	100		
77	47.9	23.5	70.5





#77

Bromobenzene

Concen: 19.206 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 98070

Ion Ratio Lower Upper

156 100

77 126.1 63.4 190.2

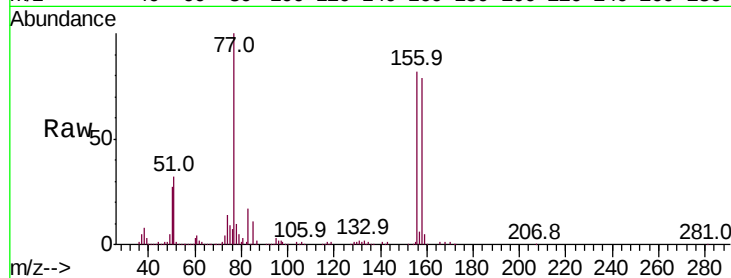
158 95.6 48.9 146.6

Manual Integrations

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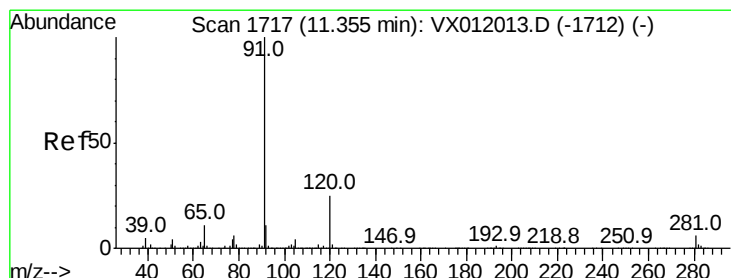
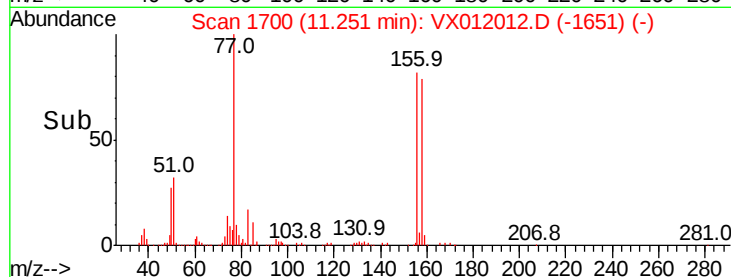
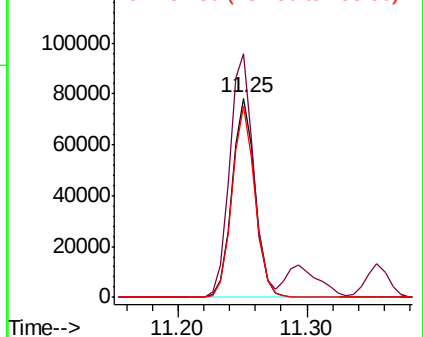
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.206 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012012.D

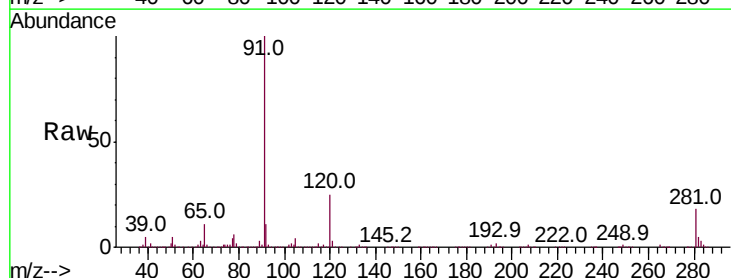
Acq: 02 Sep 2019 13:21

Tgt Ion: 91 Resp: 381964

Ion Ratio Lower Upper

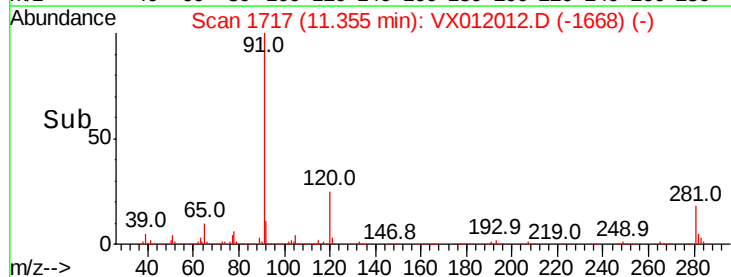
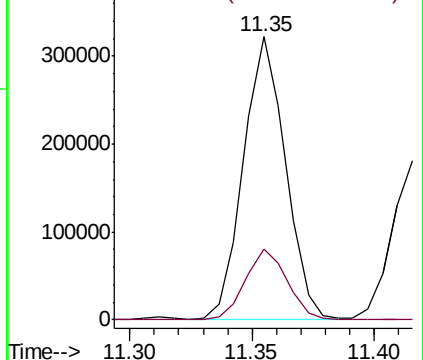
91 100

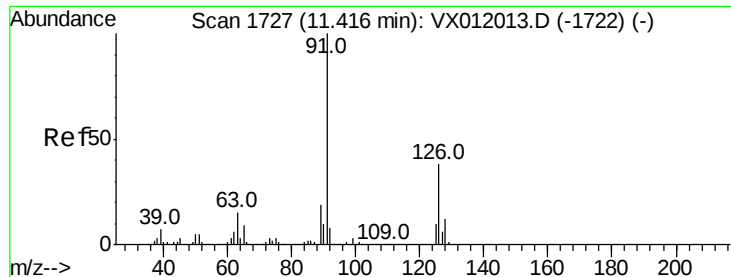
120 25.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.719 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 223481

Ion Ratio Lower Upper

91 100

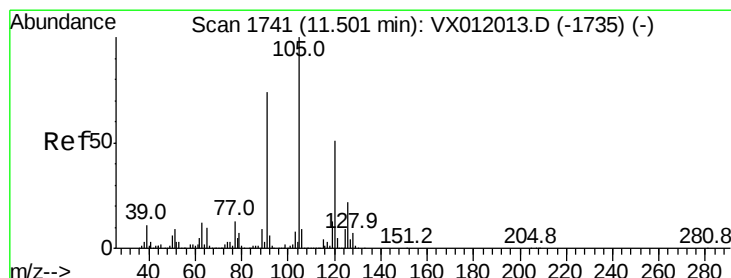
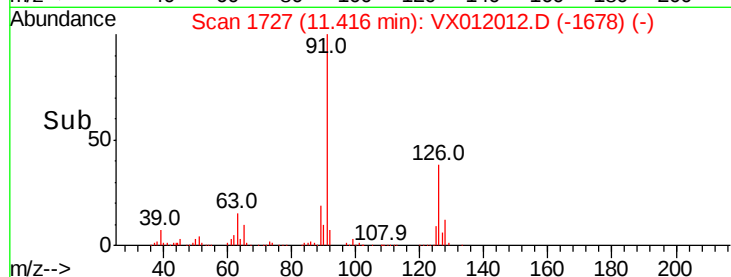
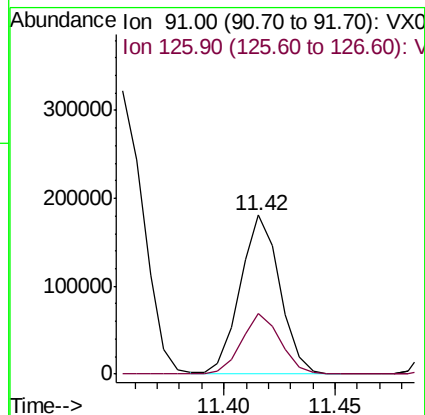
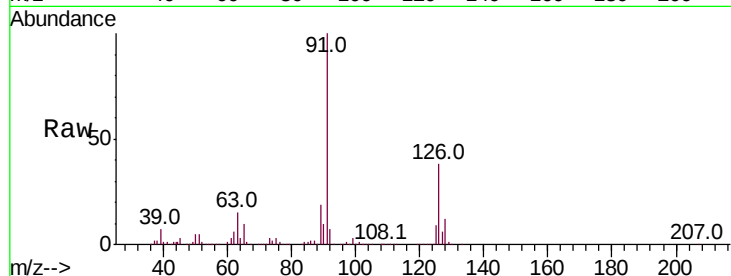
126 37.3 18.6 55.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.942 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012012.D

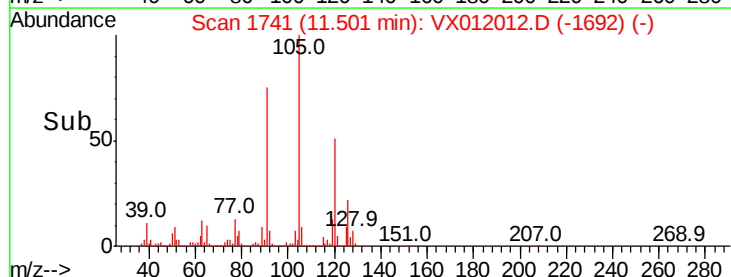
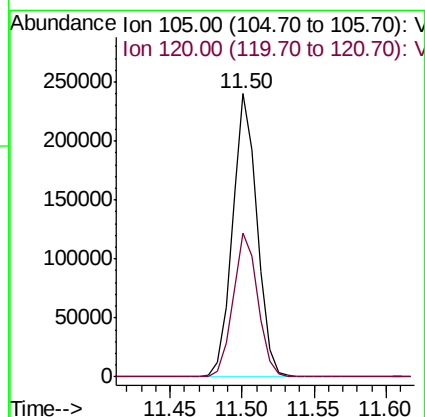
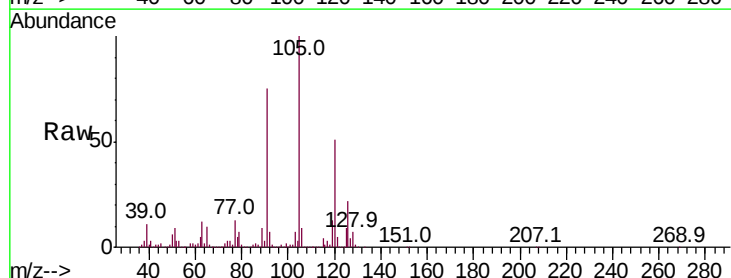
Acq: 02 Sep 2019 13:21

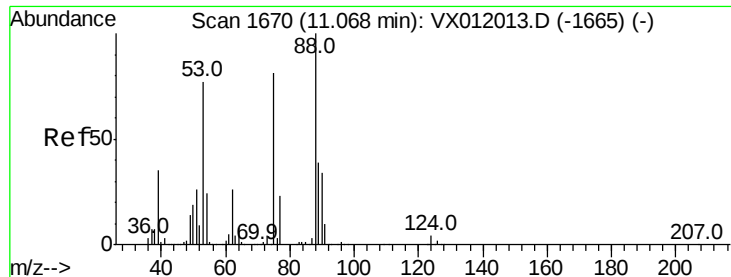
Tgt Ion: 105 Resp: 286506

Ion Ratio Lower Upper

105 100

120 51.4 25.8 77.3





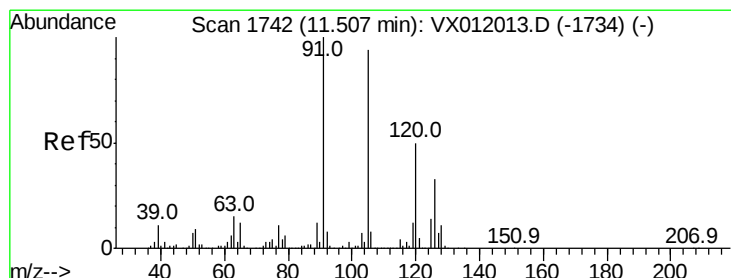
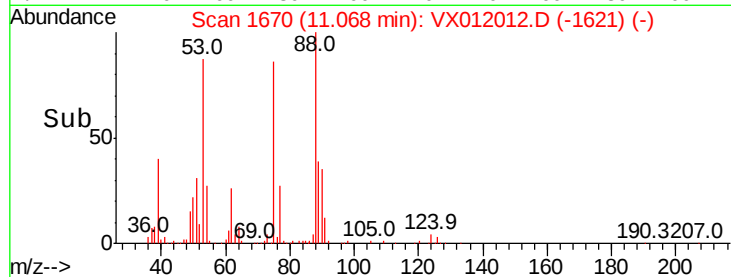
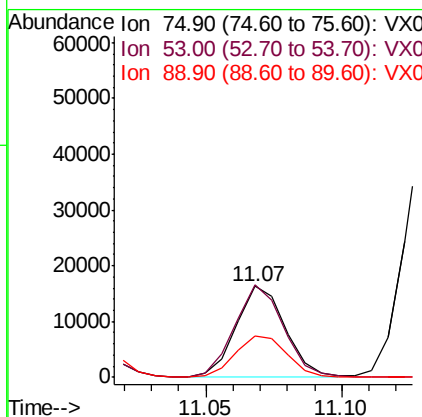
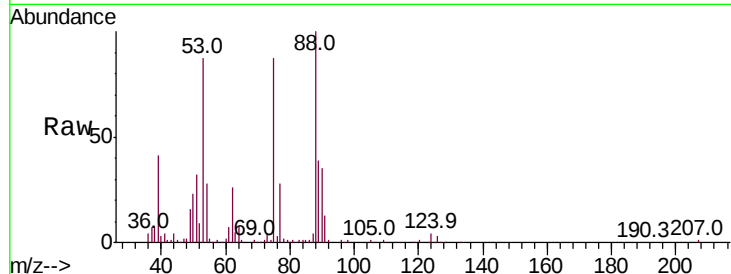
#81
trans-1,4-Dichloro-2-butene
Concen: 17.234 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.0	78.6	117.8
89	48.0	38.8	58.2

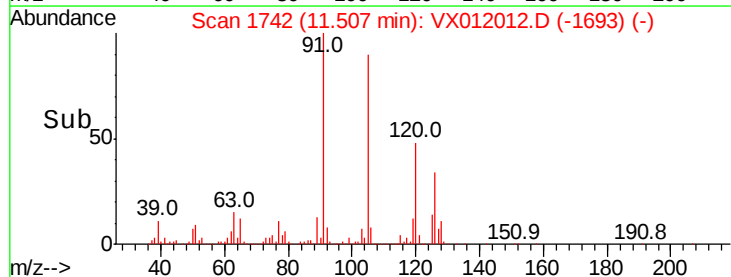
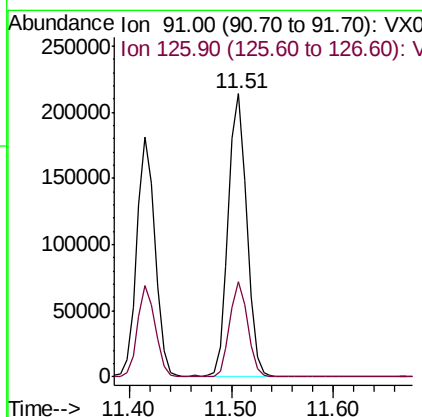
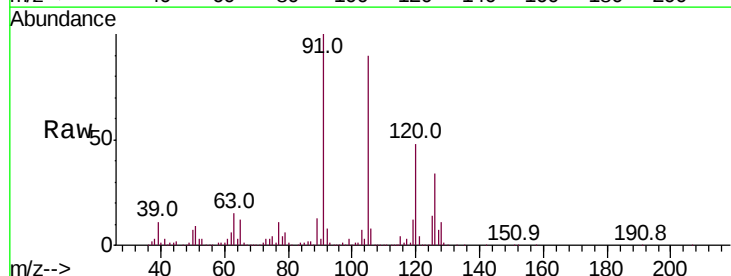
Manual Integrations
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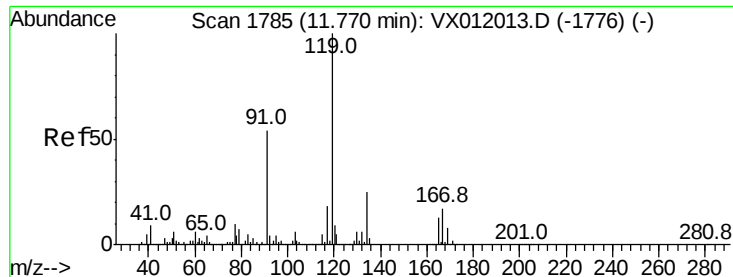
sam
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#82
4-Chlorotoluene
Concen: 18.693 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6





#83

tert-Butylbenzene

Concen: 19.464 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

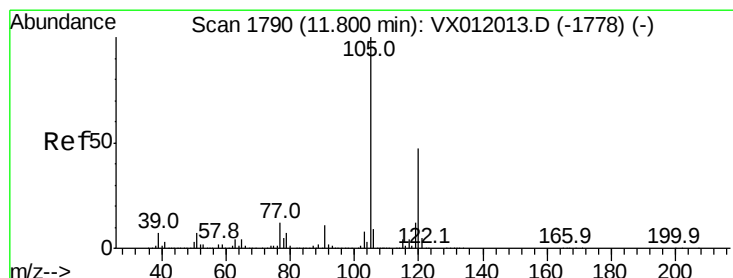
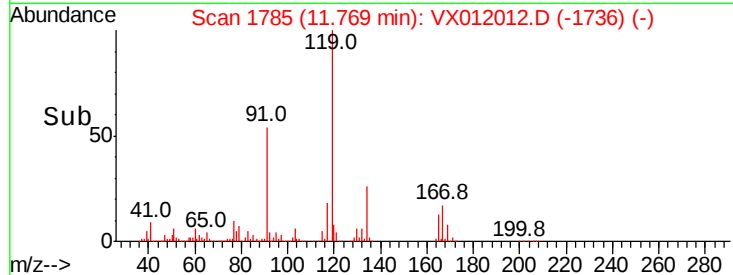
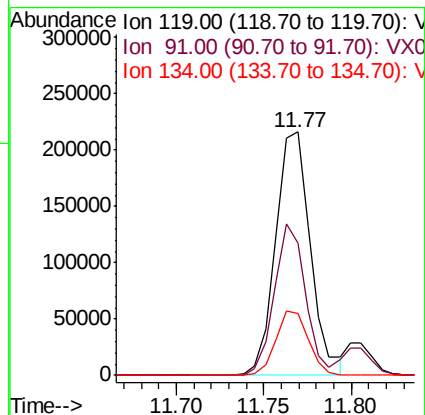
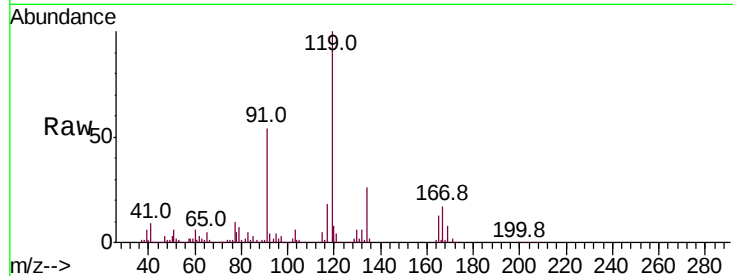
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	300385
Ion Ratio	Lower	Upper	
119	100		
91	55.4	27.1	81.2
134	24.9	12.1	36.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.759 ug/l

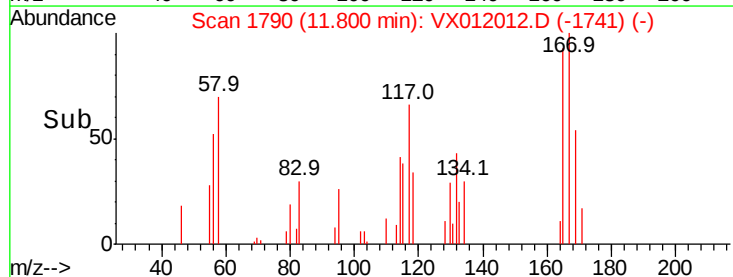
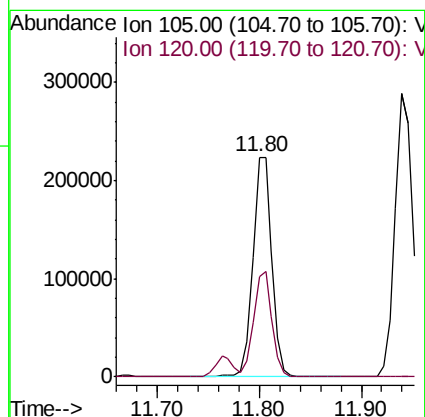
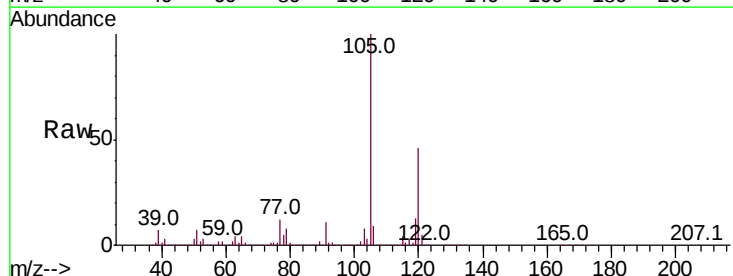
RT: 11.80 min Scan# 1790

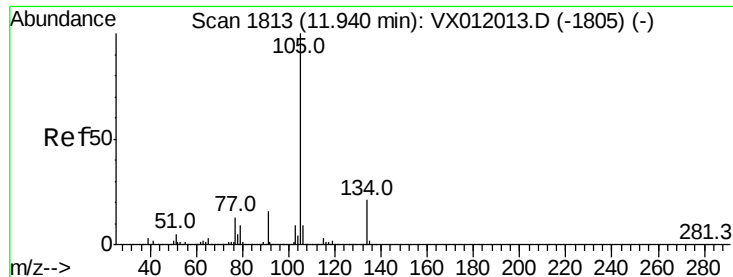
Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion:	105	Resp:	290803
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.6	70.8





#85

sec-Butylbenzene

Concen: 19.526 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 348830

Ion Ratio Lower Upper

105 100

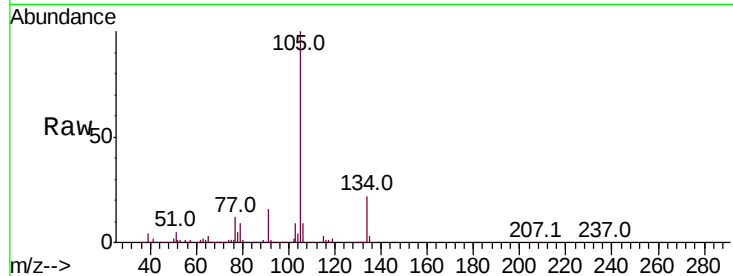
134 22.3 11.2 33.6

Manual Integrations

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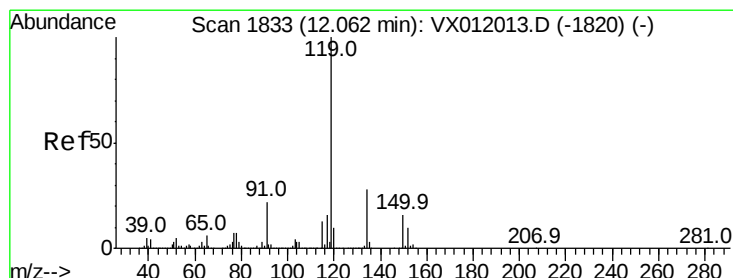
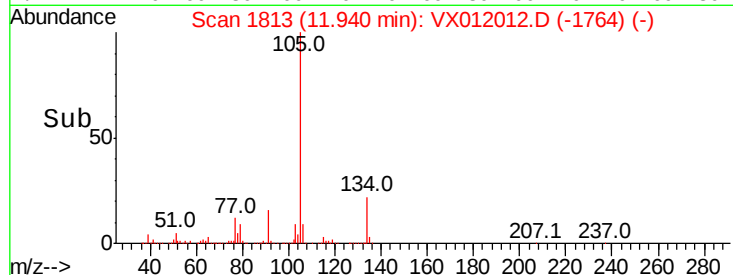
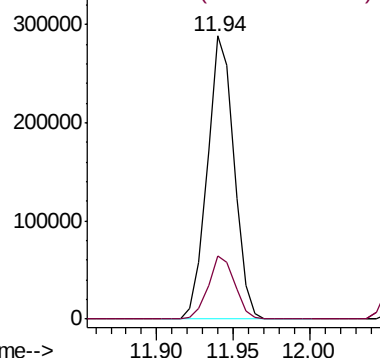
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.204 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

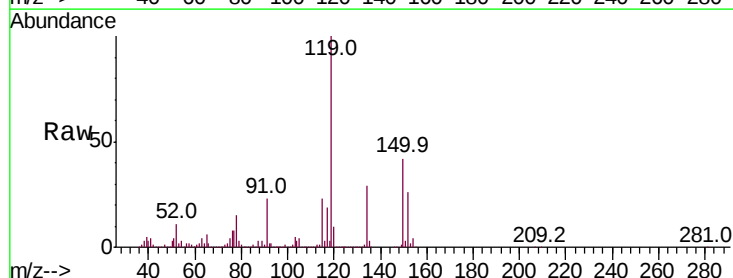
Tgt Ion:119 Resp: 333020

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.1

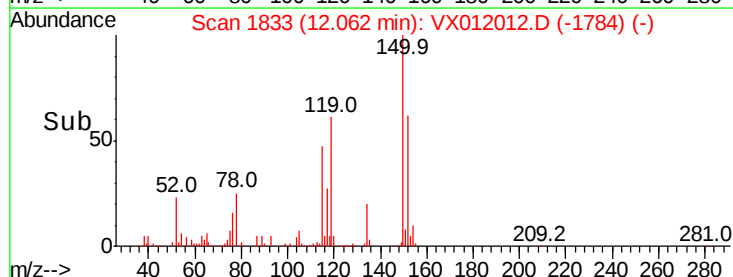
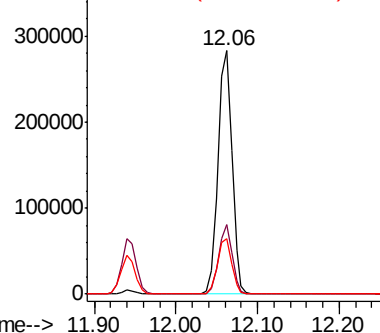
91 23.1 11.4 34.1

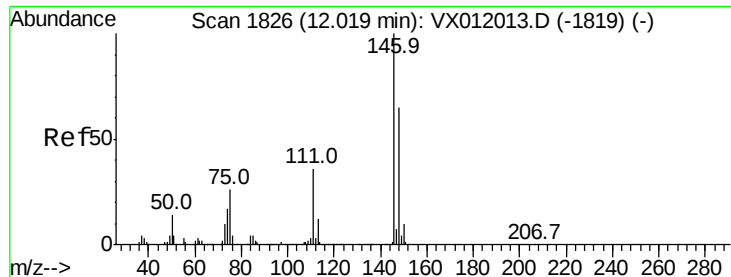


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





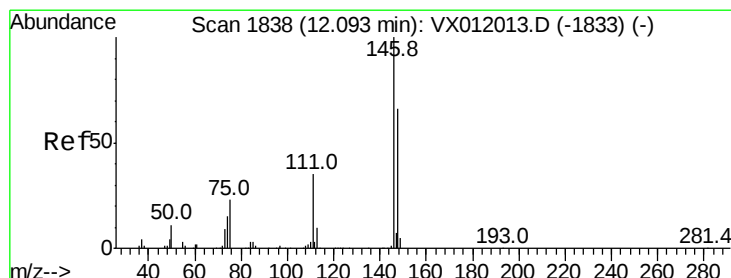
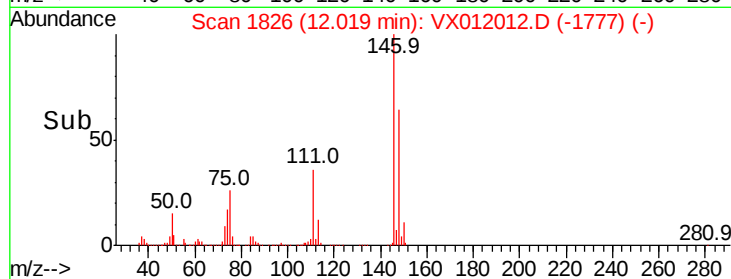
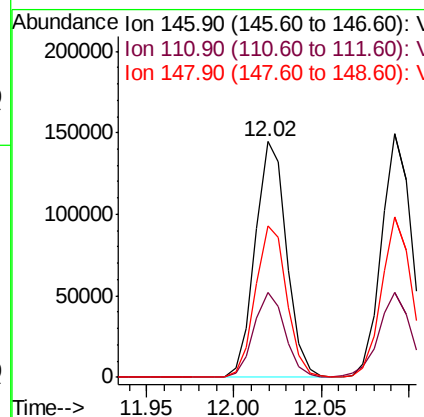
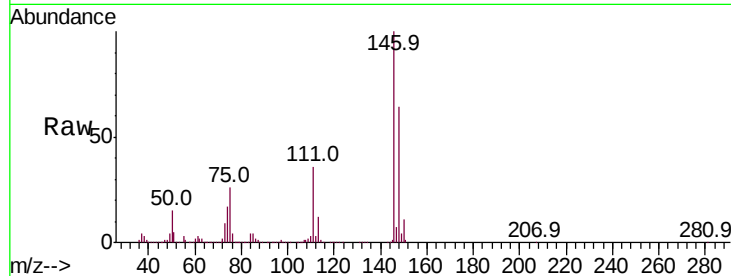
#87
 1,3-Dichlorobenzene
 Concen: 19.180 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181463		
111	35.7	18.1	54.1	
148	64.4	32.6	97.8	

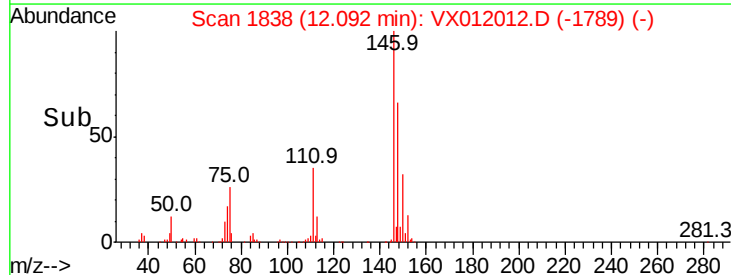
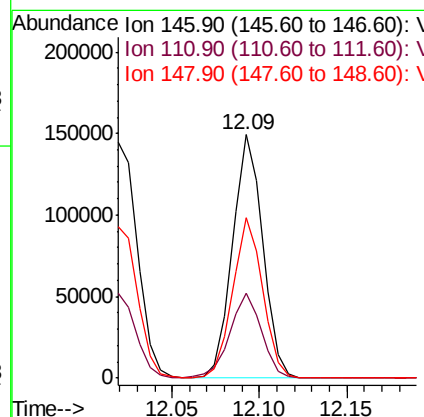
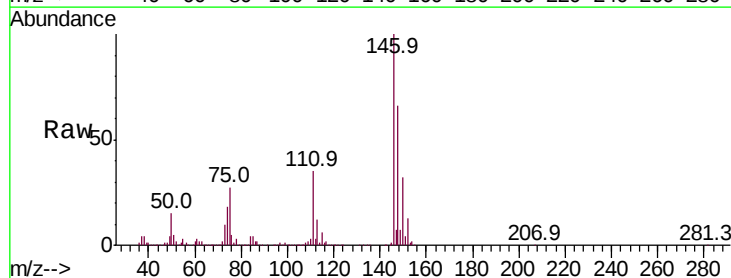
Manual Integrations
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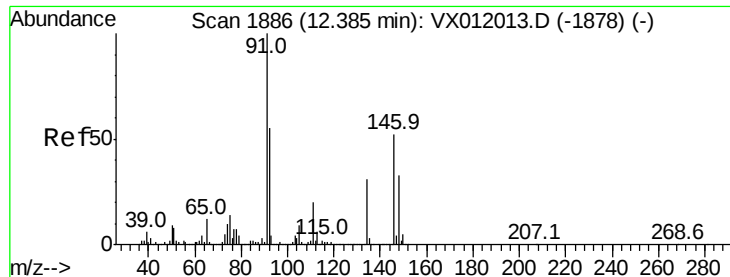
sam
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#88
 1,4-Dichlorobenzene
 Concen: 18.735 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	179091		
111	36.8	17.7	53.1	
148	65.8	32.4	97.0	





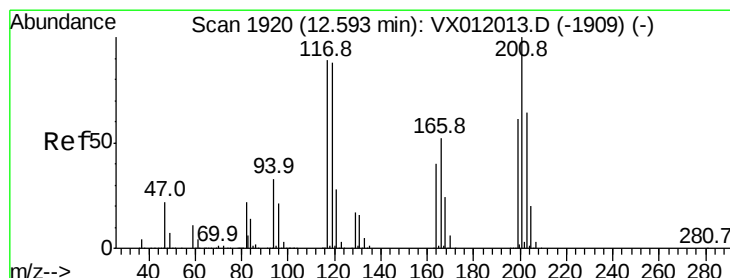
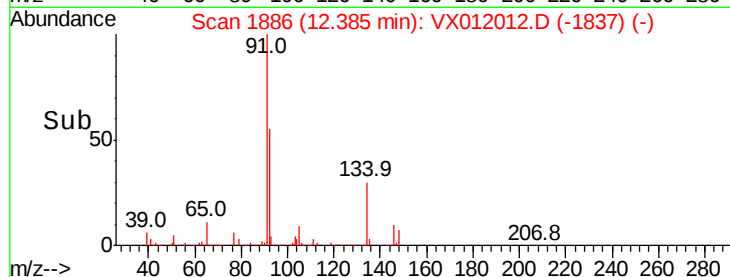
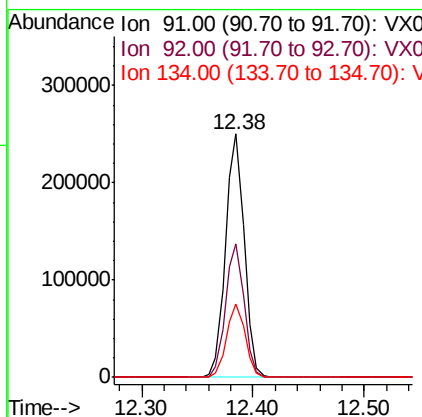
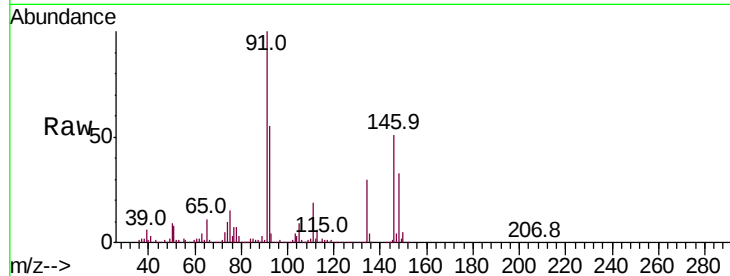
#89
n-Butylbenzene
Concen: 18.968 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	30.2	15.4	46.1

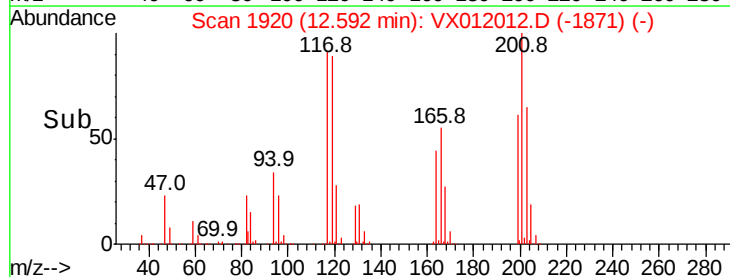
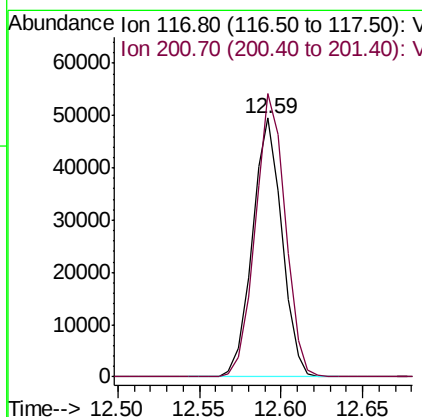
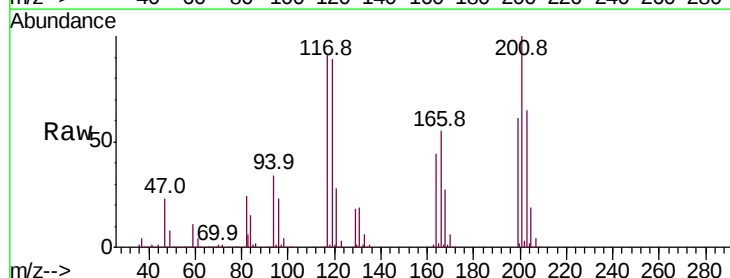
Manual Integrations
APPROVED

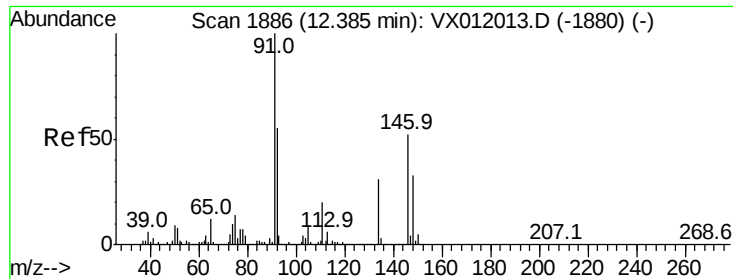
sam
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#90
Hexachloroethane
Concen: 18.671 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	110.1	55.0	165.2





#91

1,2-Dichlorobenzene

Concen: 18.790 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Instrument :

MSVOA_X

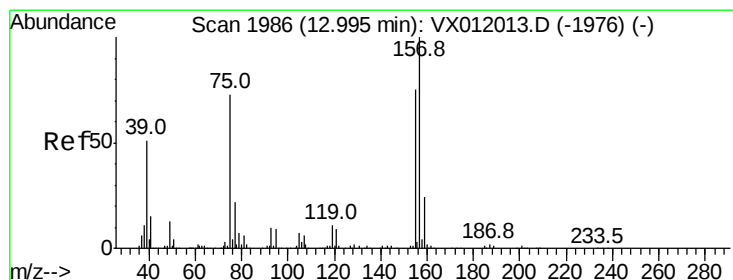
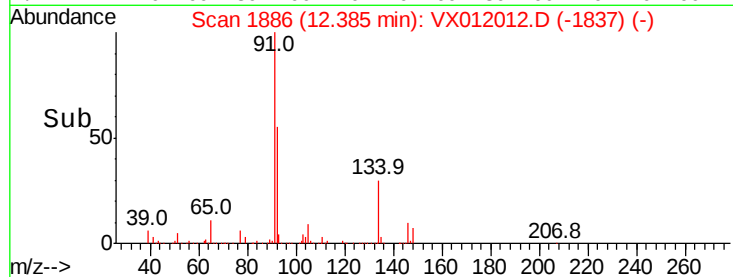
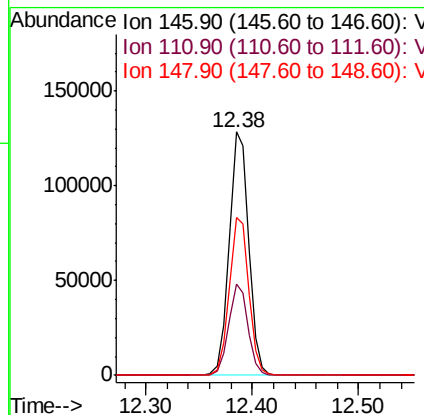
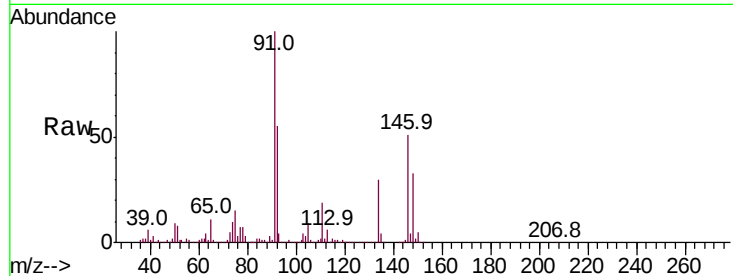
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	165087
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.6	56.0
148	65.0	32.4	97.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.765 ug/l

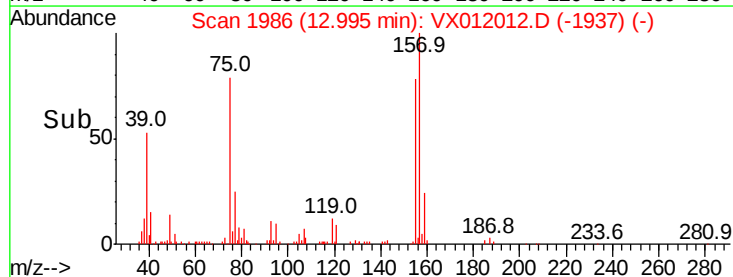
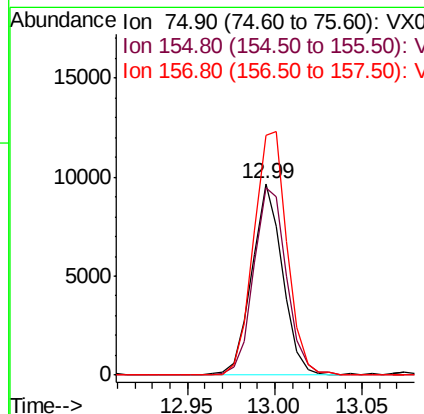
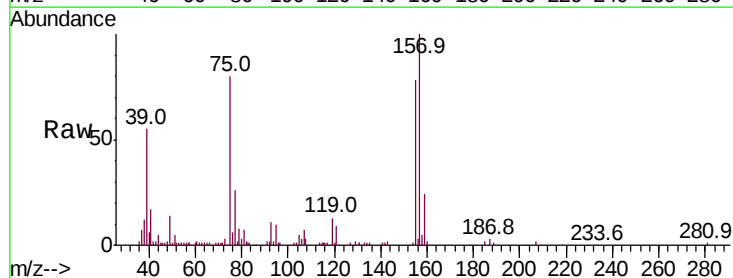
RT: 12.99 min Scan# 1986

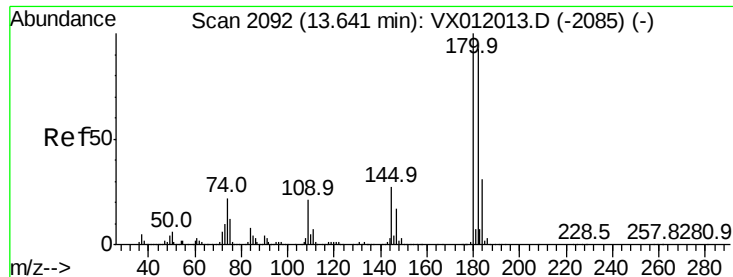
Delta R.T. -0.00 min

Lab File: VX012012.D

Acq: 02 Sep 2019 13:21

Tgt Ion:	75	Resp:	11815
Ion Ratio	Lower	Upper	
75	100		
155	105.3	51.7	155.2
157	138.8	66.9	200.7





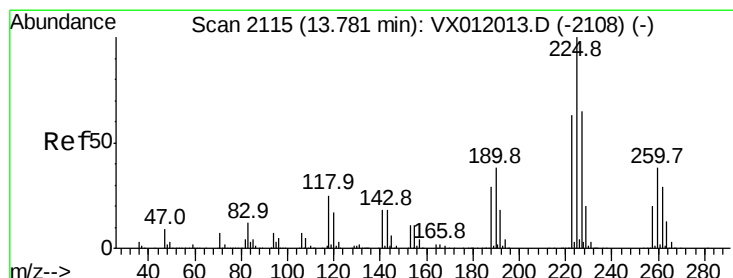
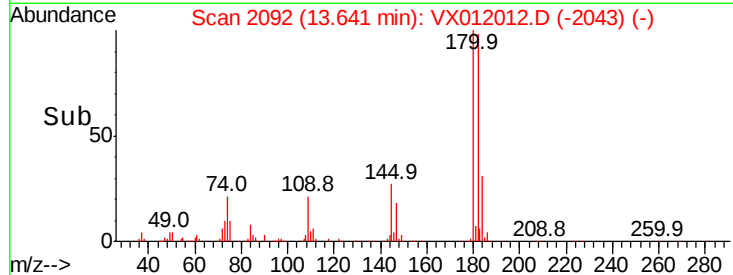
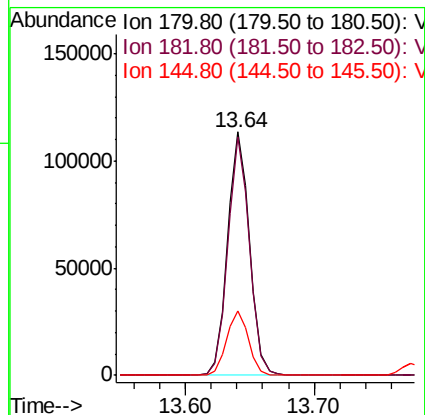
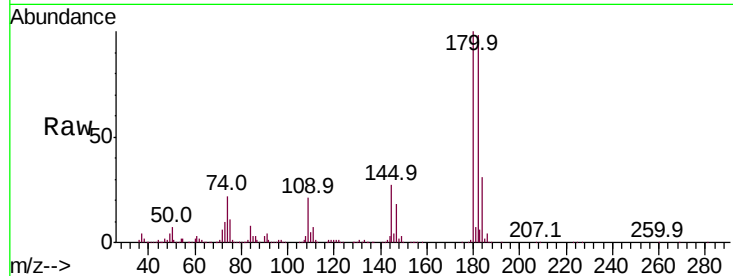
#93
 1,2,4-Trichlorobenzene
 Concen: 18.348 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	136190
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.3	142.0
145	26.6	13.7	41.0

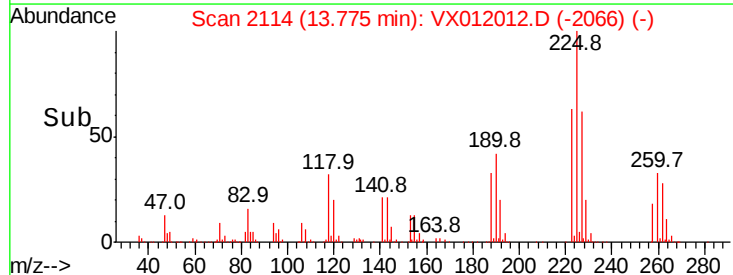
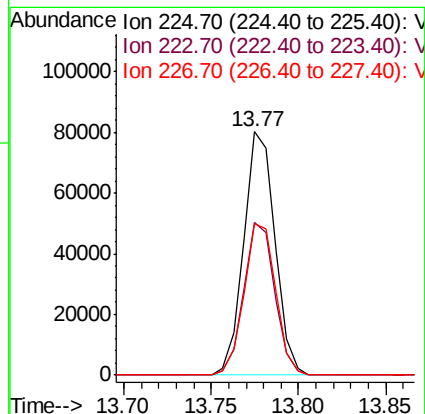
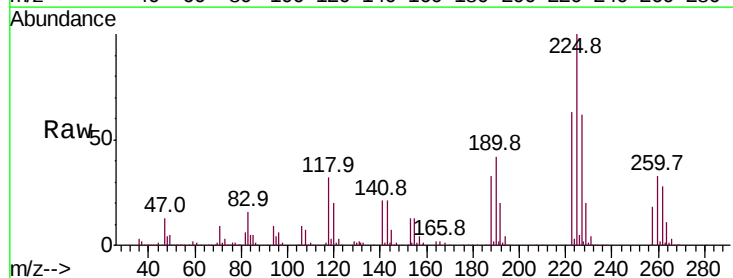
Manual Integrations
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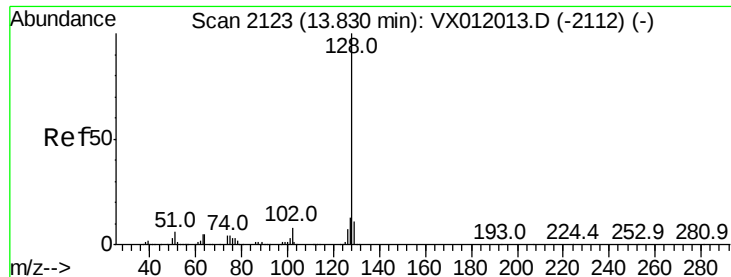
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#94
 Hexachlorobutadiene
 Concen: 19.887 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012012.D
 Acq: 02 Sep 2019 13:21

Tgt Ion:	225	Resp:	99526
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.6	95.0
227	63.2	32.5	97.5





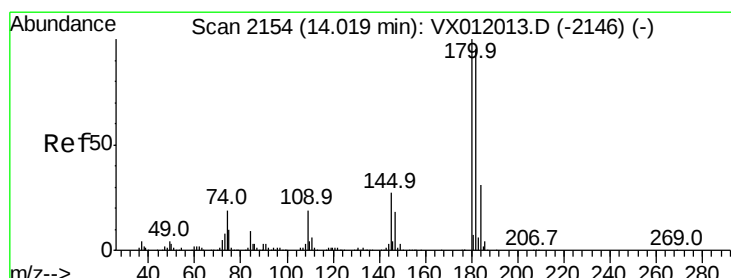
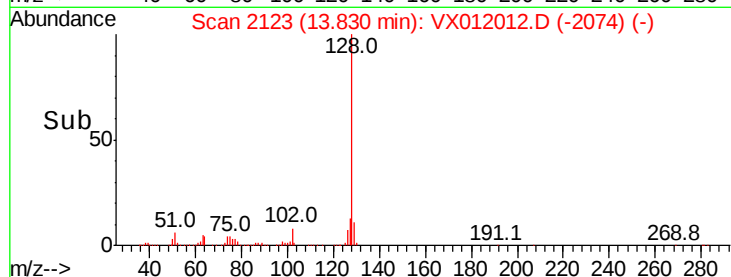
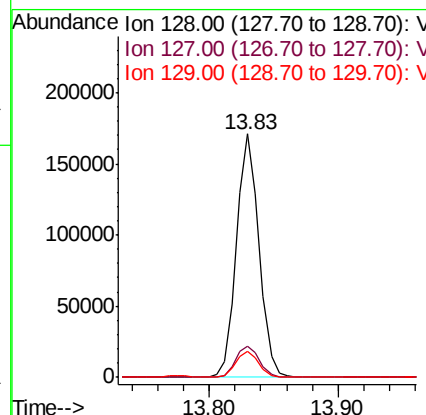
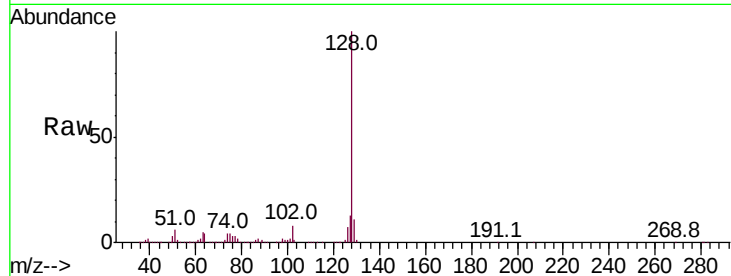
#95
Naphthalene
Concen: 16.724 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	209412		
127	13.3		10.5	15.7
129	11.0		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.664 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012012.D
Acq: 02 Sep 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118166		
182	96.5		47.9	143.6
145	29.6		14.1	42.4

