

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012018.D
 Acq On : 03 Sep 2019 12:45
 Operator : SY/SP
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 9/4/2019 4:45:38 PM

Quant Time: Sep 03 14:42:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 14:34:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	10332	7.95	ug/l	0.00
Spiked Amount			Recovery	=	15.90%	
35) Dibromofluoromethane	5.48	113	7812	4.41	ug/l	0.00
Spiked Amount			Recovery	=	8.82%	
50) Toluene-d8	8.71	98	32583	5.22	ug/l	0.00
Spiked Amount			Recovery	=	10.44%	
62) 4-Bromofluorobenzene	11.14	95	14860	5.51	ug/l	0.00
Spiked Amount			Recovery	=	11.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	6972	7.858	ug/l	94
3) Chloromethane	1.31	50	6649	7.540	ug/l	97
4) Vinyl Chloride	1.40	62	6247	6.974	ug/l	92
5) Bromomethane	1.62	94	3607	5.679	ug/l	95
6) Chloroethane	1.71	64	4055	7.157	ug/l	98
7) Trichlorofluoromethane	1.92	101	9856	6.061	ug/l	98
8) Diethyl Ether	2.18	74	3146	6.363	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7183	6.937	ug/l	97
10) Methyl Iodide	2.50	142	3804	3.677	ug/l	98
11) Tert butyl alcohol	3.03	59	4906	45.717	ug/l #	85
12) 1,1-Dichloroethene	2.36	96	6990	7.398	ug/l	91
13) Acrolein	2.28	56	1519	38.663	ug/l #	47
14) Allyl chloride	2.72	41	11751	7.257	ug/l	98
15) Acrylonitrile	3.13	53	9616	38.014	ug/l	97
16) Acetone	2.43	43	12162	47.705	ug/l	96
17) Carbon Disulfide	2.56	76	18656	6.999	ug/l	99
18) Methyl Acetate	2.76	43	5894	8.922	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	20605	7.315	ug/l	98
20) Methylene Chloride	2.84	84	11232	9.754	ug/l	88
21) trans-1,2-Dichloroethene	3.15	96	8067	7.183	ug/l	98
22) Diisopropyl ether	3.84	45	24508	7.526	ug/l	95
23) Vinyl Acetate	3.80	43	70380	34.373	ug/l	98
24) 1,1-Dichloroethane	3.68	63	14336	7.549	ug/l	98
25) 2-Butanone	4.67	43	12400	35.702	ug/l	100
26) 2,2-Dichloropropane	4.56	77	13745	7.803	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	9265	7.180	ug/l	99
28) Bromochloromethane	5.00	49	6433	8.242	ug/l	94
29) Tetrahydrofuran	5.12	42	7669	35.903	ug/l	96
30) Chloroform	5.20	83	15996	7.674	ug/l	93
31) Cyclohexane	5.56	56	12338	7.798	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	13013	6.710	ug/l	95
36) 1,1-Dichloropropene	5.78	75	11181	5.410	ug/l	97
37) Ethyl Acetate	4.83	43	5368	5.189	ug/l #	90
38) Carbon Tetrachloride	5.77	117	11724	4.665	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.45	83	13702	5.460	ug/l	98
40) Benzene	6.13	78	31077	5.206	ug/l	96
41) Methacrylonitrile	5.03	41	3019	4.842	ug/l #	75
42) 1,2-Dichloroethane	6.17	62	10806	5.344	ug/l	98
43) Isopropyl Acetate	6.43	43	10455	4.889	ug/l	96
44) Trichloroethene	7.20	130	8643	4.360	ug/l	85
45) 1,2-Dichloropropane	7.50	63	7948	5.292	ug/l	94
46) Dibromomethane	7.65	93	4624	5.136	ug/l	98
47) Bromodichloromethane	7.89	83	11529	5.073	ug/l	97
48) Methyl methacrylate	7.76	41	5529	5.243	ug/l	95
49) 1,4-Dioxane	7.74	88	1655	111.870	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	27571	25.653	ug/l	98
52) Toluene	8.78	92	20535	5.077	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	11782	5.121	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	13354	5.157	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	6559	4.990	ug/l	98
56) Ethyl methacrylate	9.17	69	8811	5.048	ug/l	97
57) 1,3-Dichloropropane	9.37	76	11084	5.135	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	24676	31.110	ug/l	100
59) 2-Hexanone	9.49	43	20682	27.032	ug/l	97
60) Dibromochloromethane	9.58	129	7600	4.160	ug/l	98
61) 1,2-Dibromoethane	9.67	107	6139	4.689	ug/l	100
64) Tetrachloroethene	9.33	164	7685	3.764	ug/l	96
65) Chlorobenzene	10.14	112	23318	4.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	8054	4.285	ug/l	98
67) Ethyl Benzene	10.25	91	42784	5.407	ug/l	99
68) m/p-Xylenes	10.35	106	31787	10.231	ug/l	98
69) o-Xylene	10.70	106	15039	4.990	ug/l	100
70) Styrene	10.71	104	24608	4.759	ug/l	97
71) Bromoform	10.85	173	4046	3.103	ug/l #	96
73) Isopropylbenzene	11.01	105	41339	6.270	ug/l	99
74) N-amyl acetate	10.89	43	10589	6.441	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	7778	6.444	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	6715m	7.180	ug/l	
77) Bromobenzene	11.25	156	8829	4.580	ug/l	96
78) n-propylbenzene	11.35	91	50228	6.770	ug/l	99
79) 2-Chlorotoluene	11.42	91	30788	7.009	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	36922	6.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	2672	6.740	ug/l	98
82) 4-Chlorotoluene	11.51	91	36895	7.000	ug/l	100
83) tert-Butylbenzene	11.76	119	35093	5.969	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	38060	6.603	ug/l	98
85) sec-Butylbenzene	11.94	105	44895	6.648	ug/l	99
86) p-Isopropyltoluene	12.06	119	40534	6.131	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	19219	5.316	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	19389	5.398	ug/l	95
89) n-Butylbenzene	12.38	91	39391	6.879	ug/l	98
90) Hexachloroethane	12.59	117	8009	6.452	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	16833	5.157	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1624	6.852	ug/l	96

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MSVOA_X
ClientSampleId :
VSTDICC005

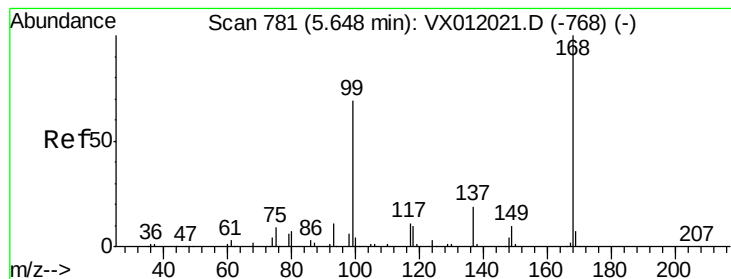
Manual Integrations
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Quant Time: Sep 03 14:42:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	12279	4.324	ug/l	100
94) Hexachlorobutadiene	13.78	225	6270	3.160	ug/l	97
95) Naphthalene	13.83	128	23661	5.418	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	10772	4.314	ug/l	98

(#) = 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: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 146998

Ion Ratio Lower Upper

168 100

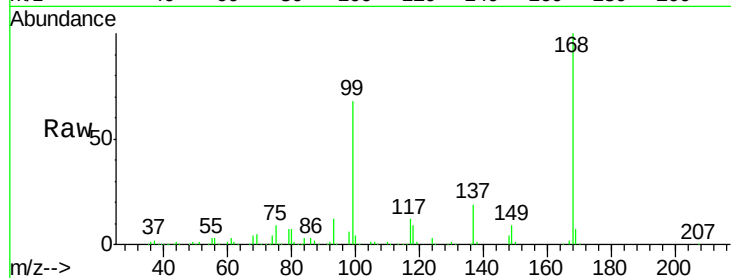
99 67.7 55.0 82.4

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

60000

50000

40000

30000

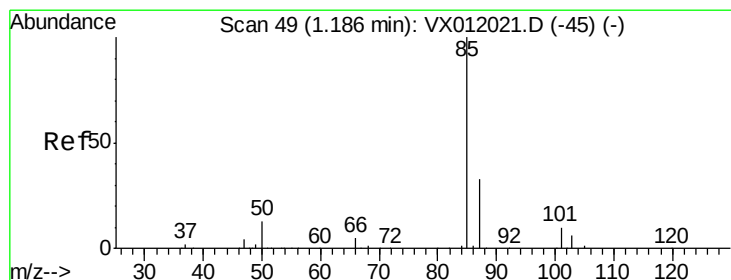
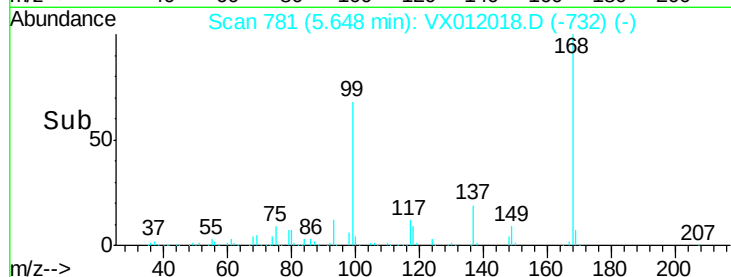
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 7.858 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012018.D

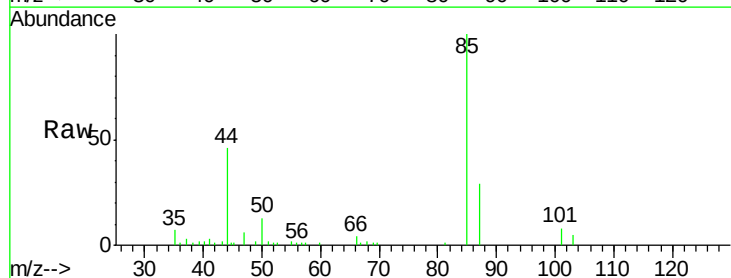
Acq: 03 Sep 2019 12:45

Tgt Ion: 85 Resp: 6972

Ion Ratio Lower Upper

85 100

87 29.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

6000

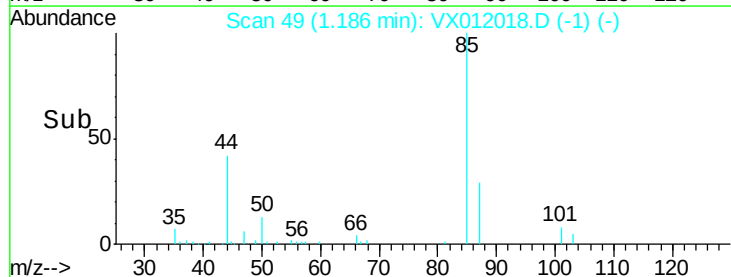
4000

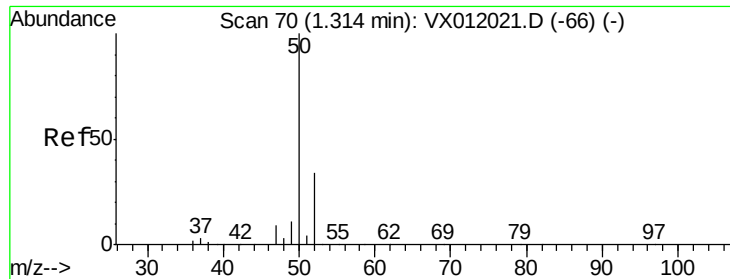
2000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 7.540 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 6649

Ion Ratio Lower Upper

50 100

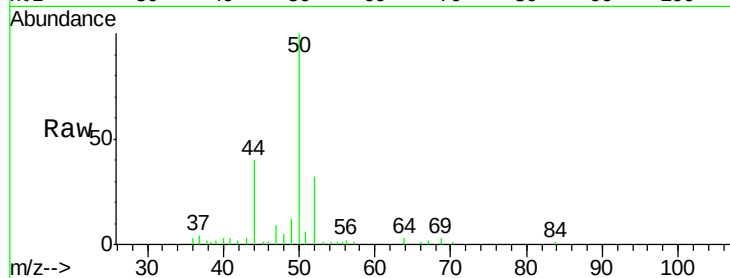
52 32.4 27.1 40.7

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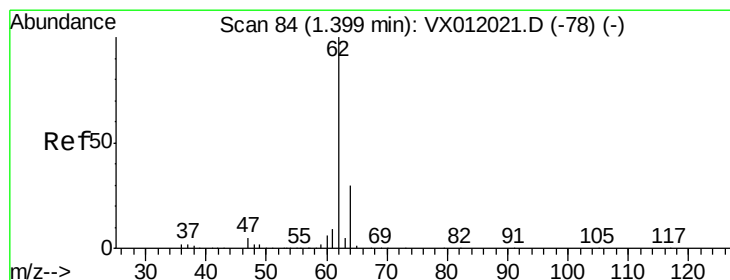
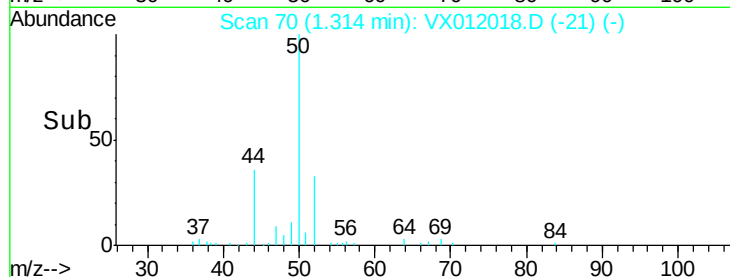
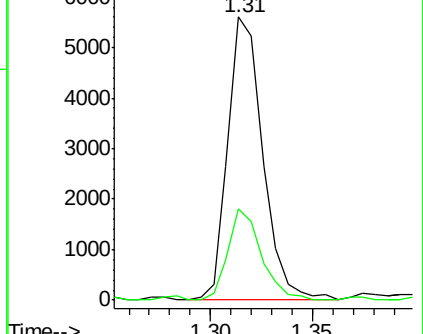
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 6.974 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012018.D

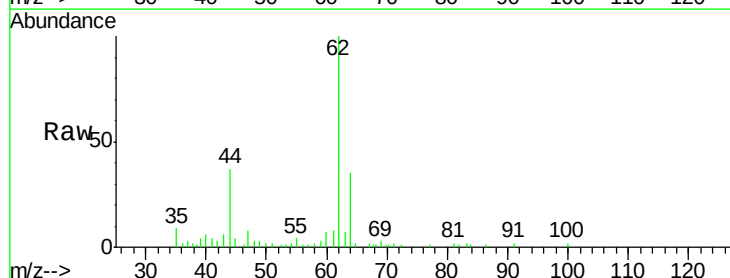
Acq: 03 Sep 2019 12:45

Tgt Ion: 62 Resp: 6247

Ion Ratio Lower Upper

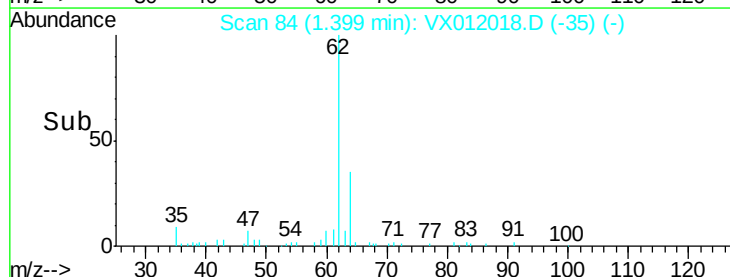
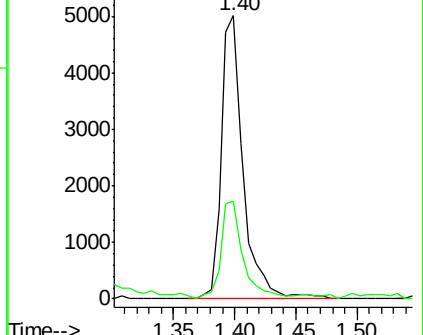
62 100

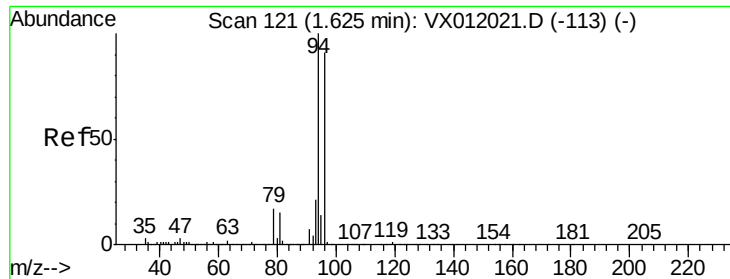
64 34.7 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 5.679 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 3607

Ion Ratio Lower Upper

94 100

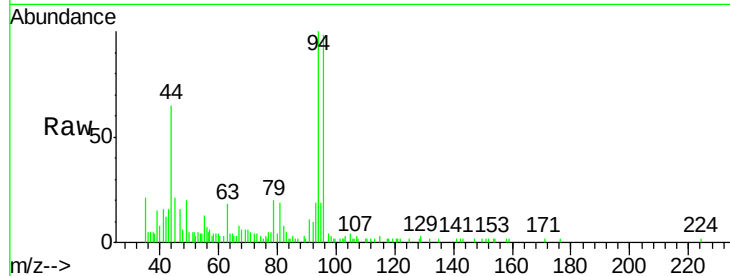
96 96.2 73.0 109.6

Manual Integrations

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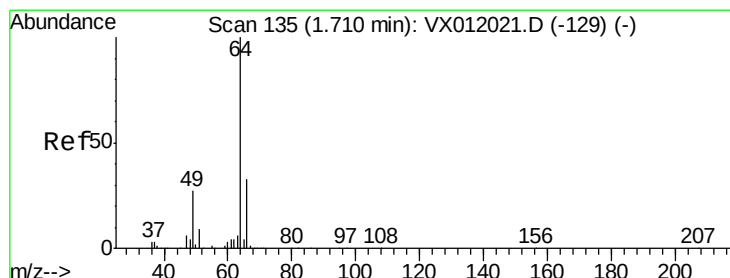
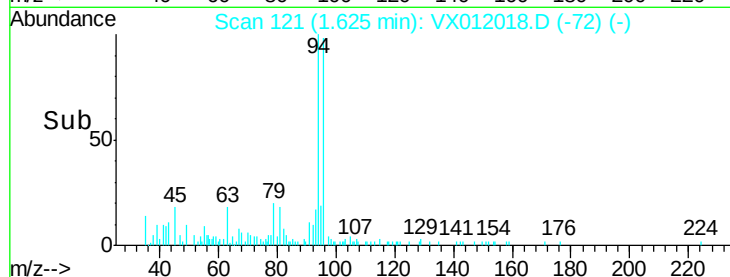
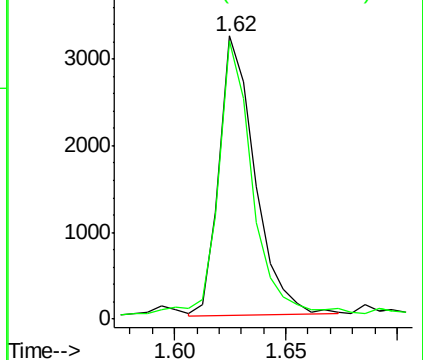
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 7.157 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012018.D

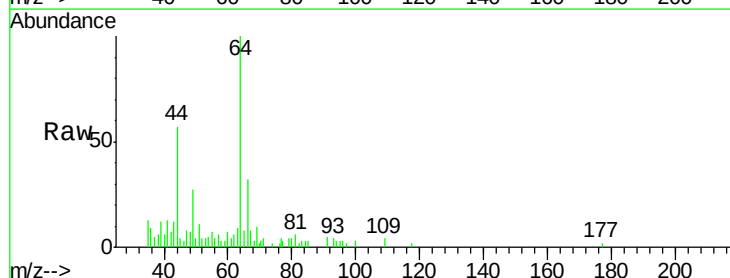
Acq: 03 Sep 2019 12:45

Tgt Ion: 64 Resp: 4055

Ion Ratio Lower Upper

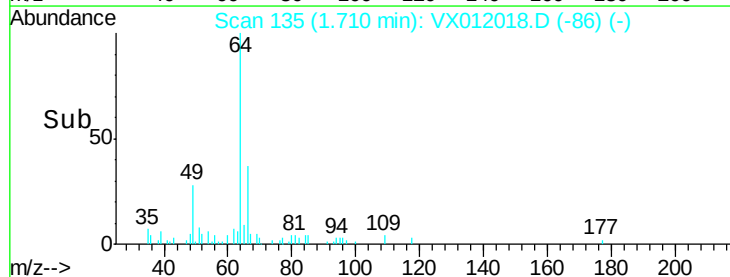
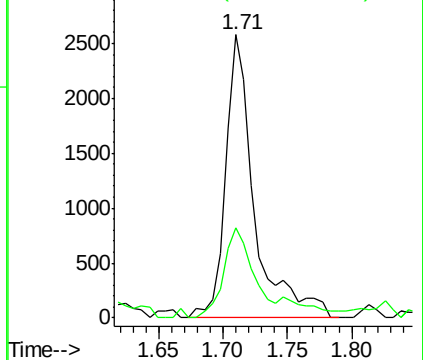
64 100

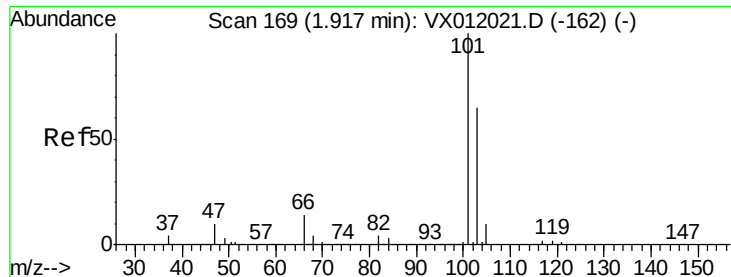
66 31.7 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

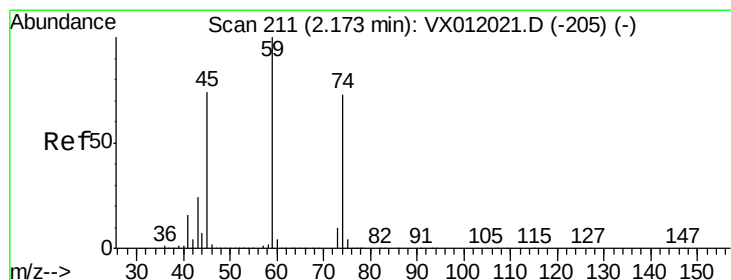
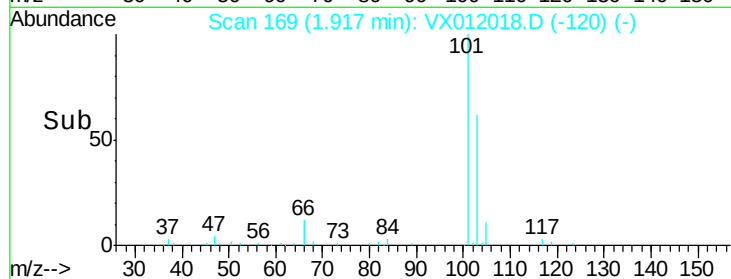
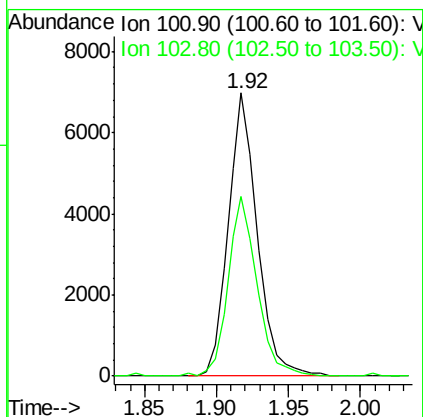
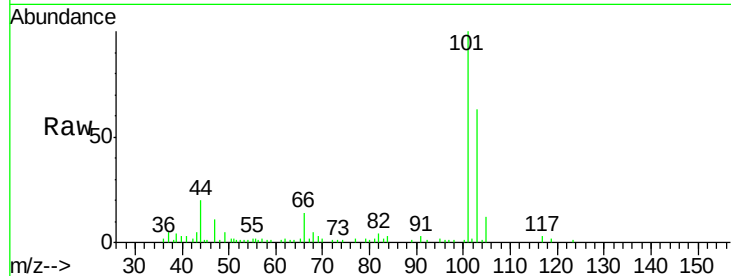
Trichlorofluoromethane
Concen: 6.061 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012018.D
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.6

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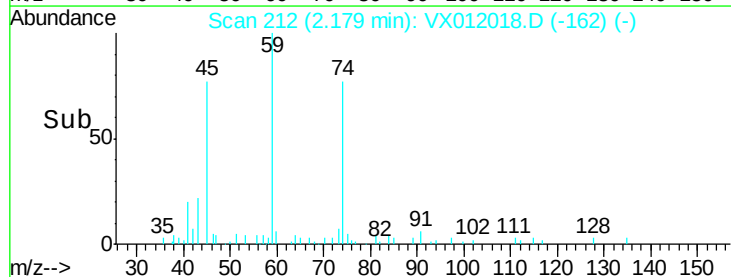
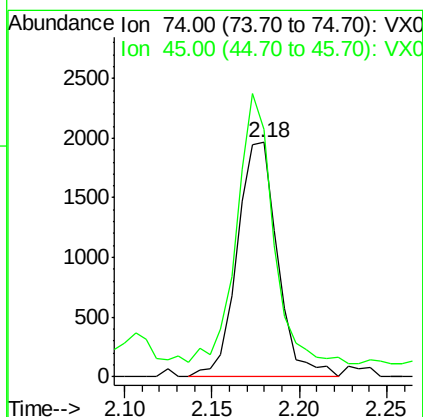
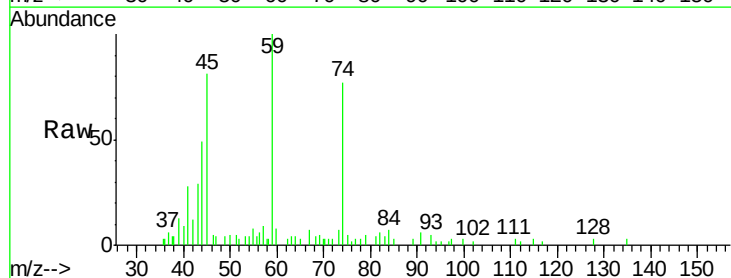
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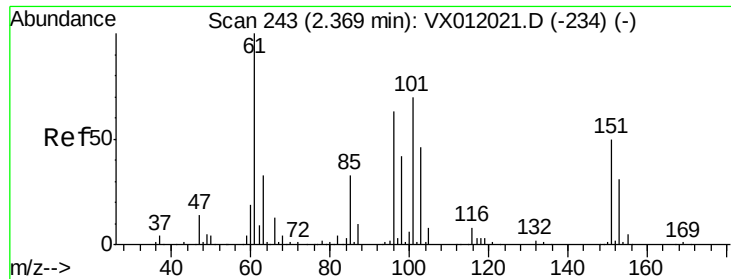


#8

Diethyl Ether
Concen: 6.363 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	48.9	146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.937 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

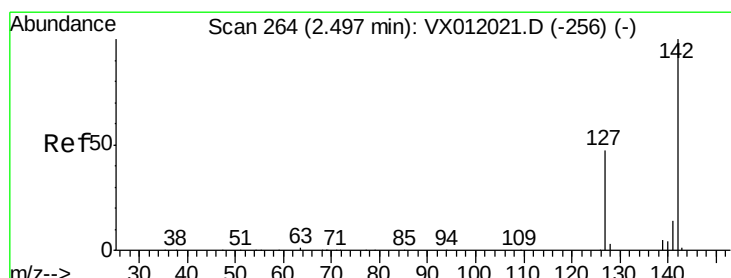
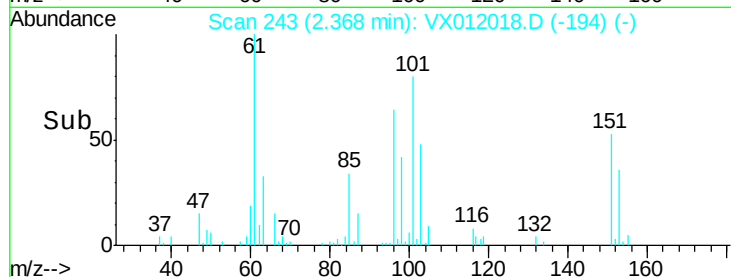
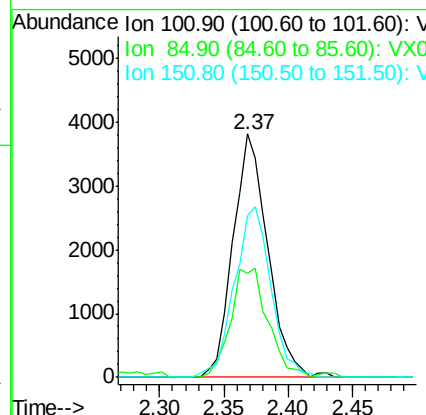
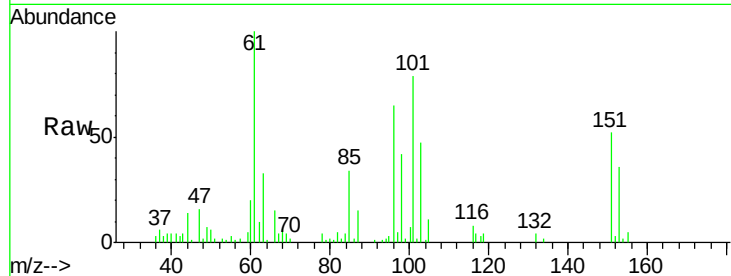
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	7183
Ion Ratio	Lower	Upper	
101	100		
85	48.1	36.6	55.0
151	73.0	56.5	84.7

Manual Integrations
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#10

Methyl Iodide

Concen: 3.677 ug/l

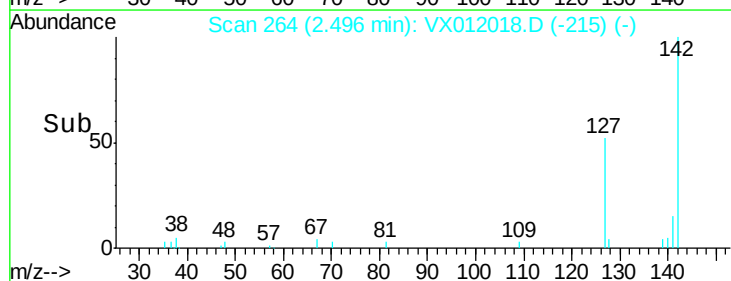
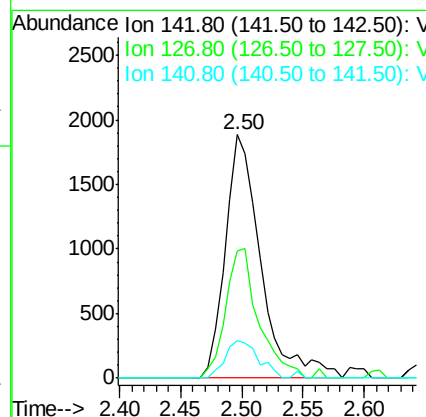
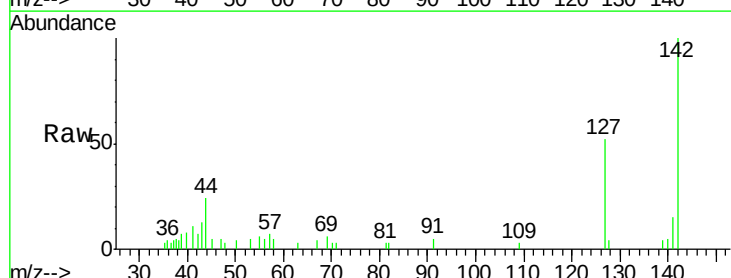
RT: 2.50 min Scan# 264

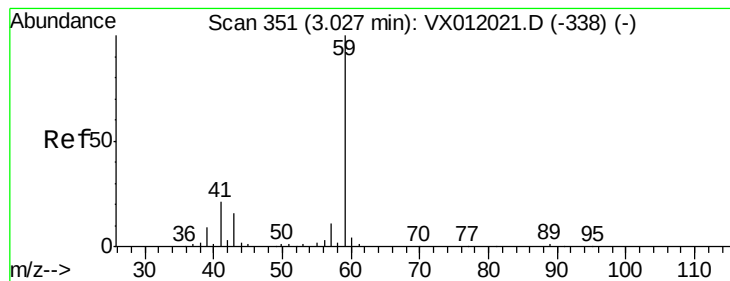
Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	142	Resp:	3804
Ion Ratio	Lower	Upper	
142	100		
127	49.2	38.2	57.2
141	14.4	11.2	16.8





#11

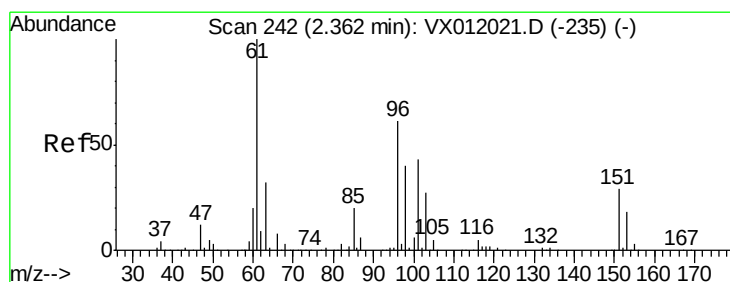
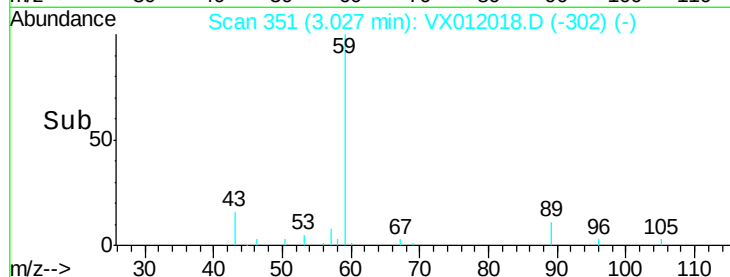
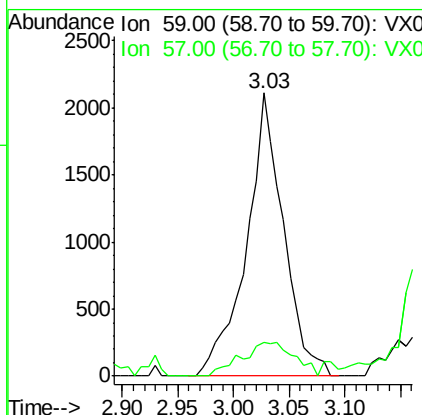
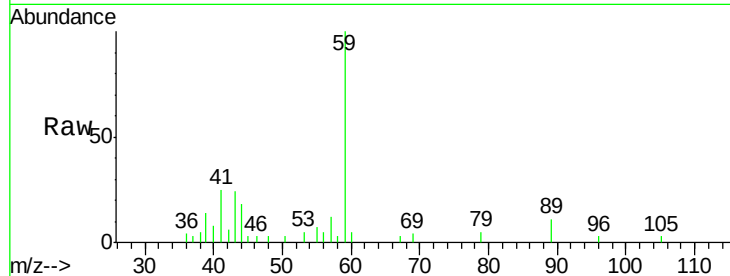
Tert butyl alcohol
 Concen: 45.717 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	59	Resp	4906
Ion Ratio	100	Lower	Upper
57	17.0	9.0	13.6#

Manual Integrations
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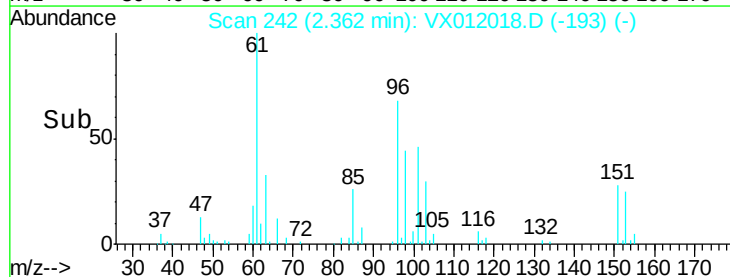
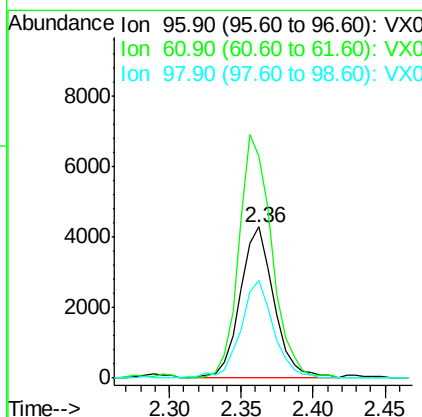
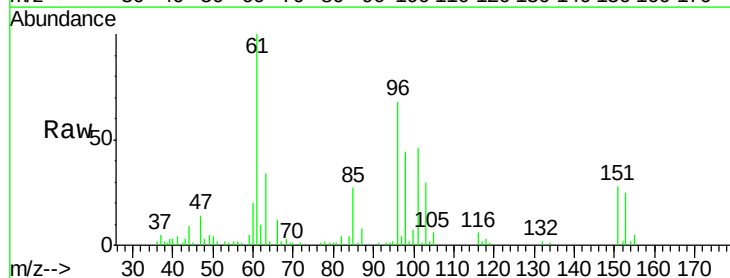
sam
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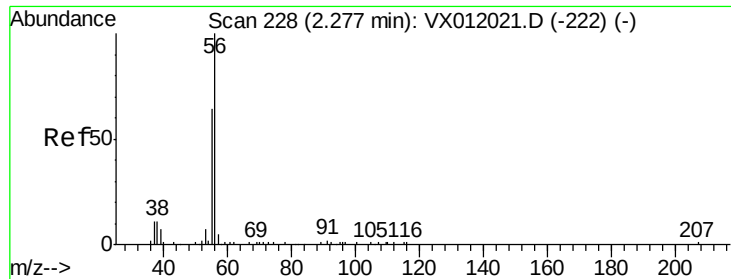


#12

1,1-Dichloroethene
 Concen: 7.398 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion	96	Resp	6990
Ion Ratio	100	Lower	Upper
61	146.9	130.2	195.4
98	64.6	51.8	77.6





#13

Acrolein

Concen: 38.663 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 1519

Ion Ratio Lower Upper

56 100

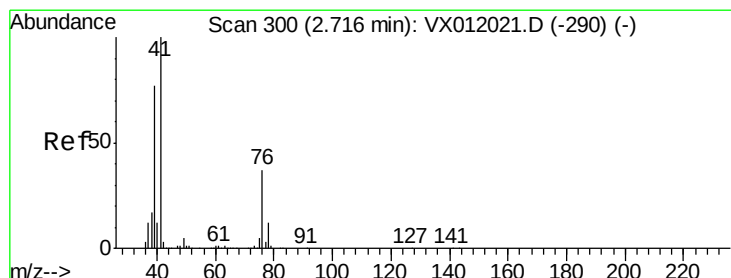
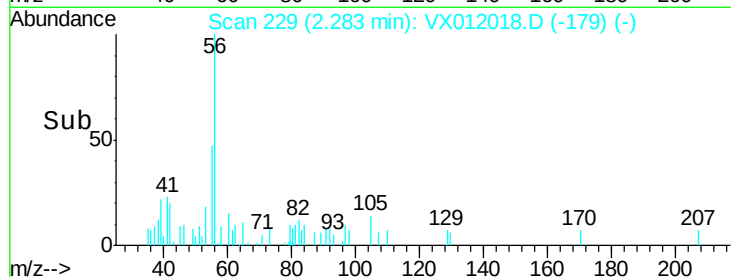
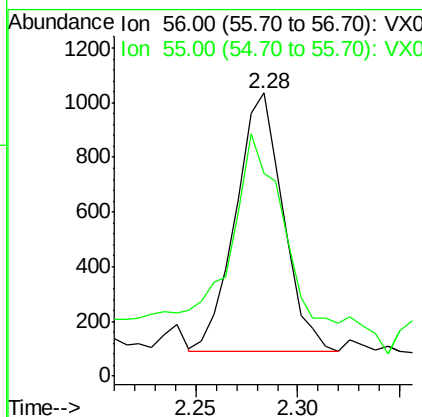
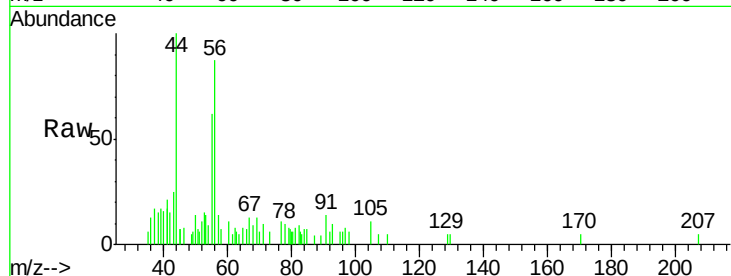
55 116.0 57.7 86.5#

Manual Integrations

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#14

Allyl chloride

Concen: 7.257 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

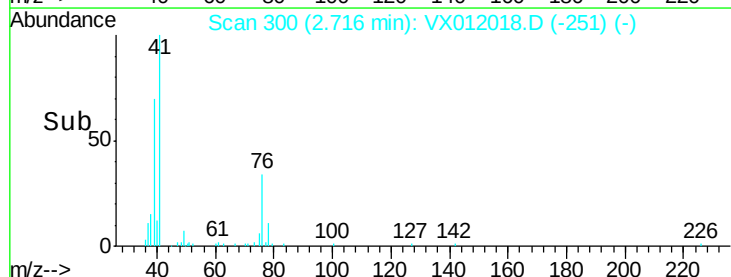
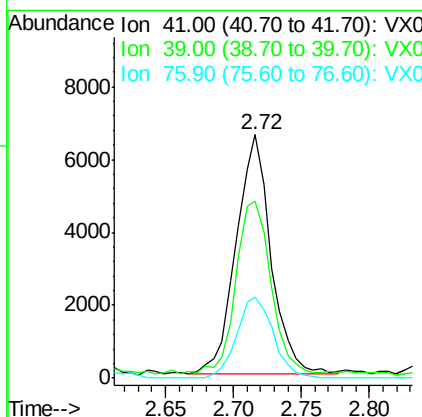
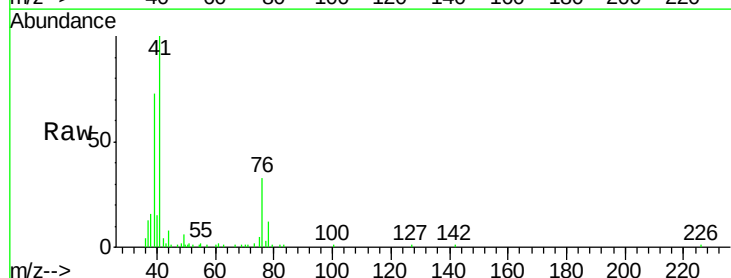
Tgt Ion: 41 Resp: 11751

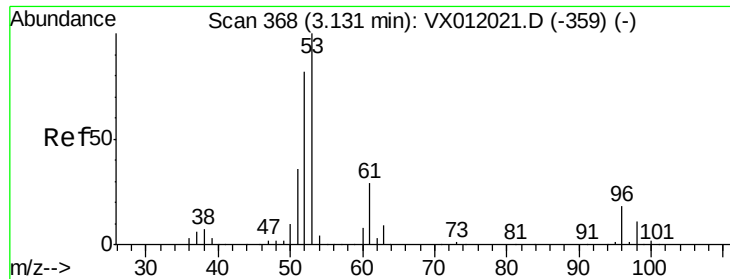
Ion Ratio Lower Upper

41 100

39 72.4 59.2 88.8

76 35.4 28.9 43.3





#15

Acrylonitrile

Concen: 38.014 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

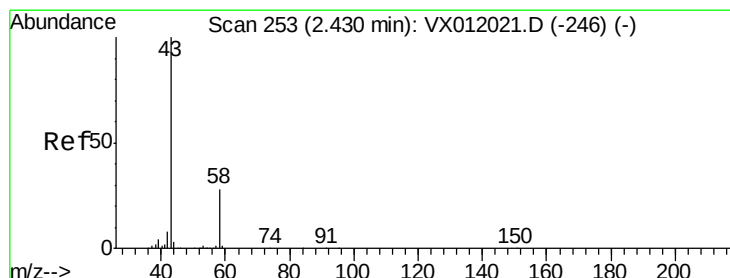
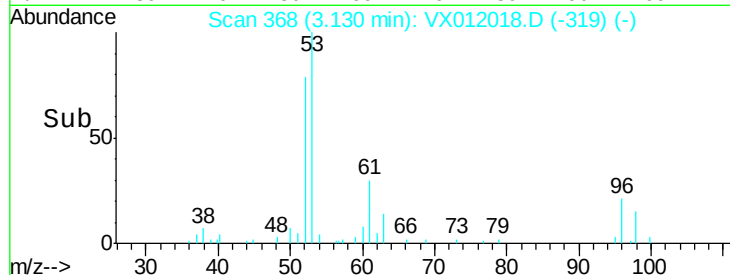
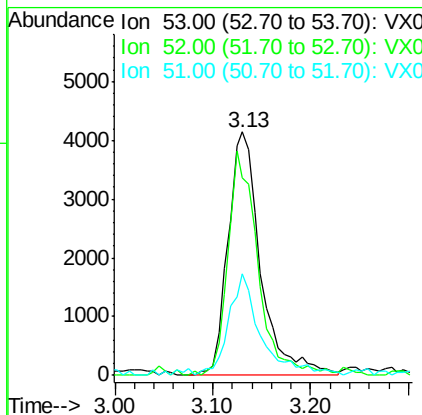
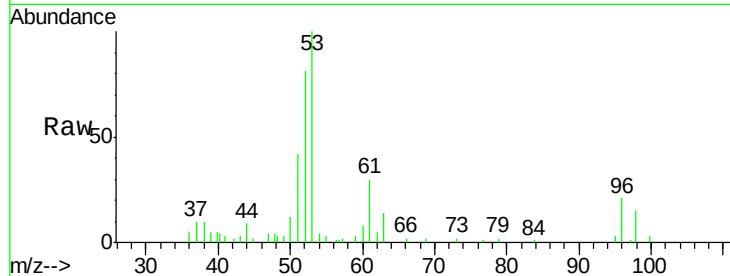
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	9616
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.0	99.0
51	41.4	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 47.705 ug/l

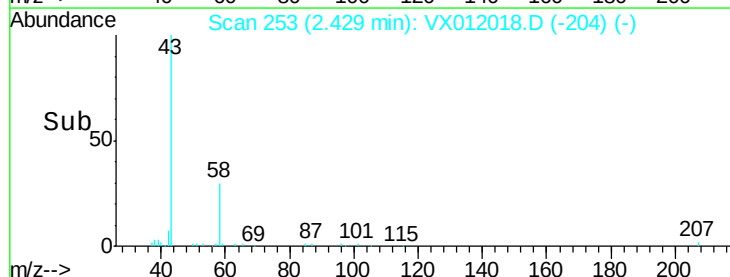
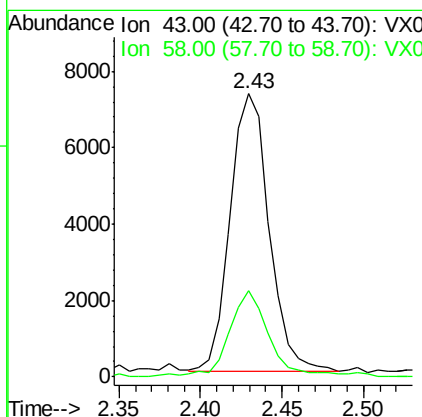
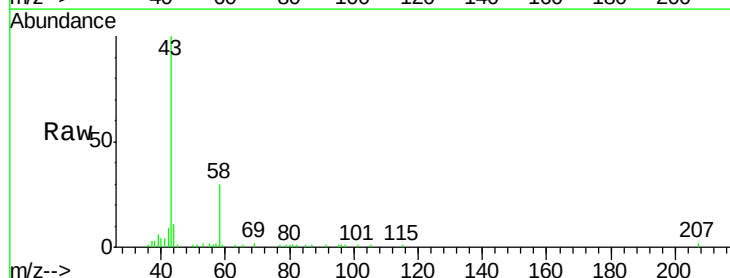
RT: 2.43 min Scan# 253

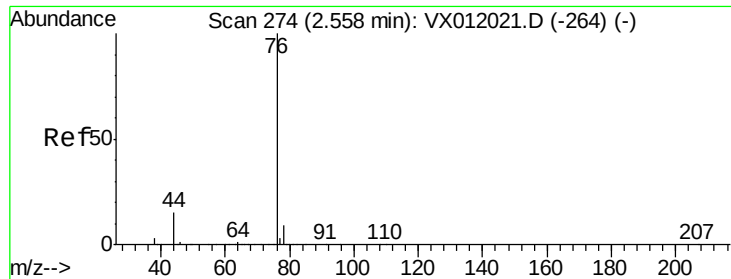
Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	43	Resp:	12162
Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.4	33.6





#17

Carbon Disulfide

Concen: 6.999 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 18656

Ion Ratio Lower Upper

76 100

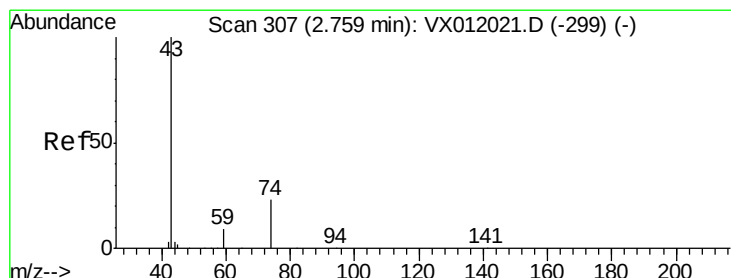
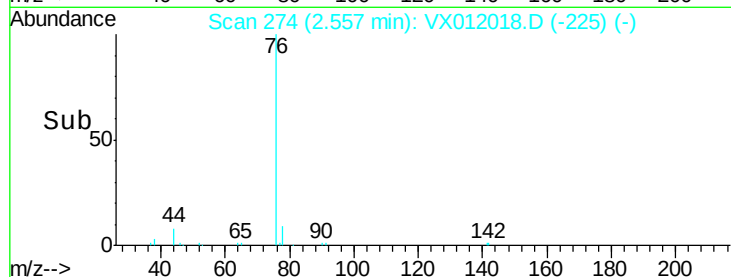
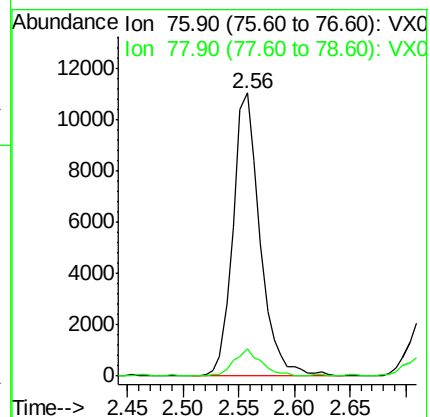
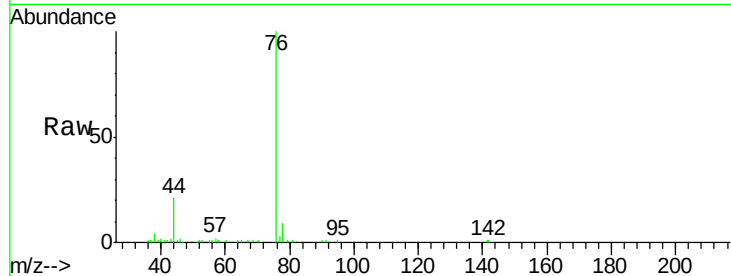
78 9.5 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 8.922 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012018.D

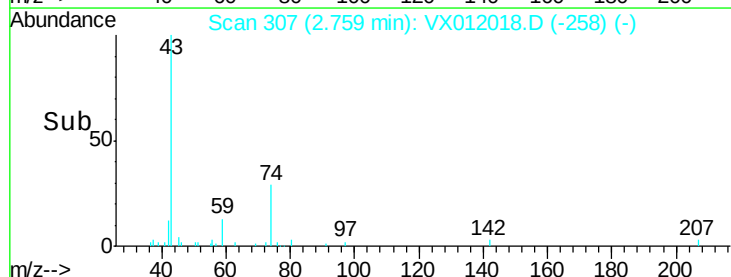
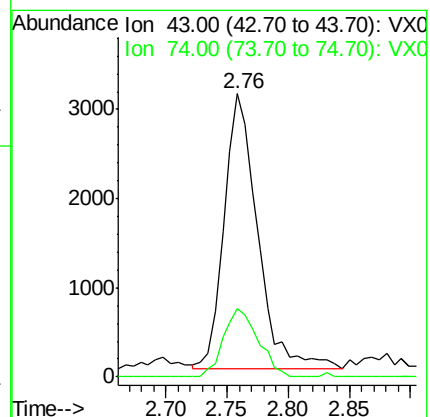
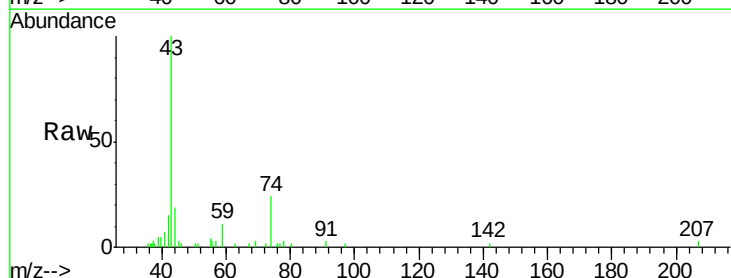
Acq: 03 Sep 2019 12:45

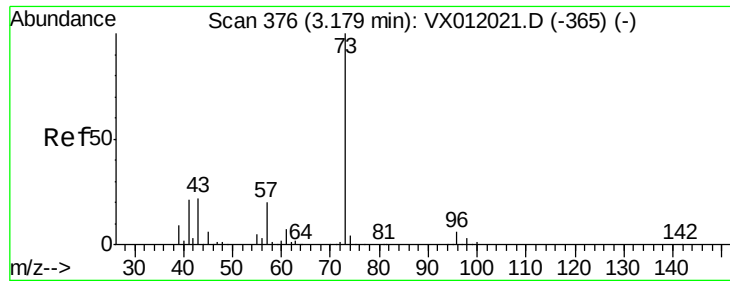
Tgt Ion: 43 Resp: 5894

Ion Ratio Lower Upper

43 100

74 25.5 19.7 29.5





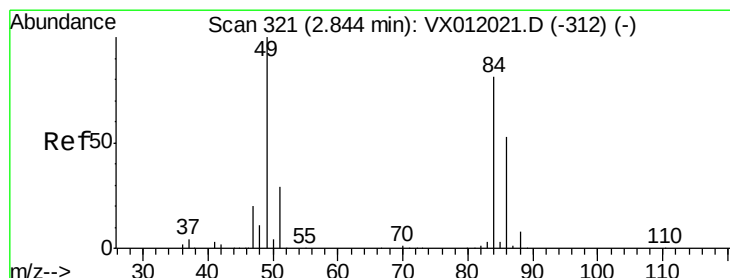
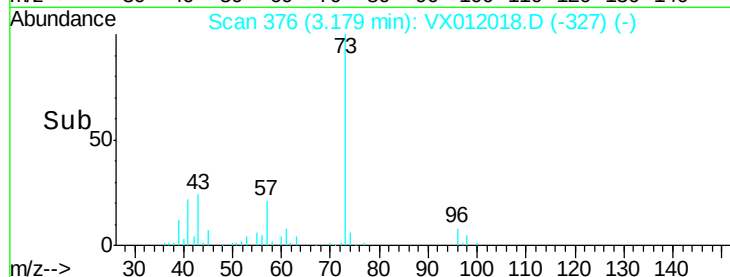
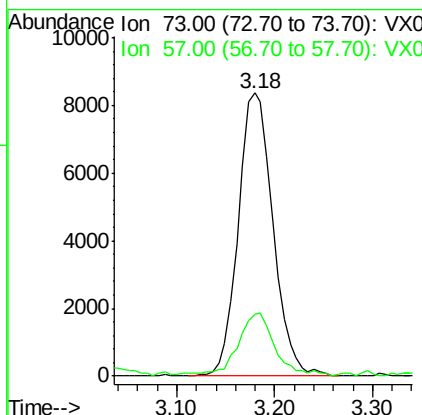
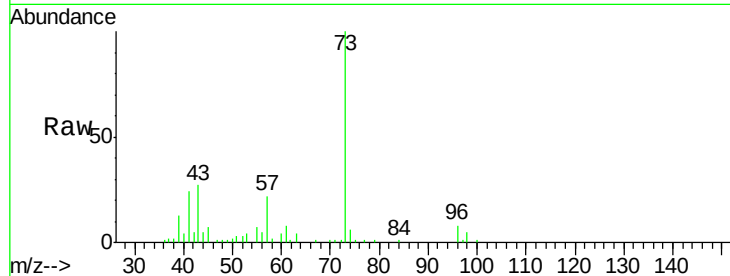
#19
Methyl tert-butyl Ether
Concen: 7.315 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 20605
Ion Ratio Lower Upper
73 100
57 21.3 16.3 24.5

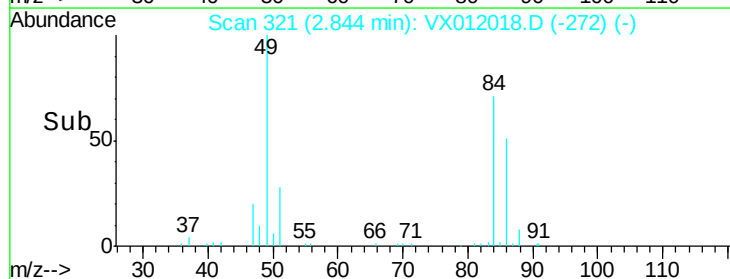
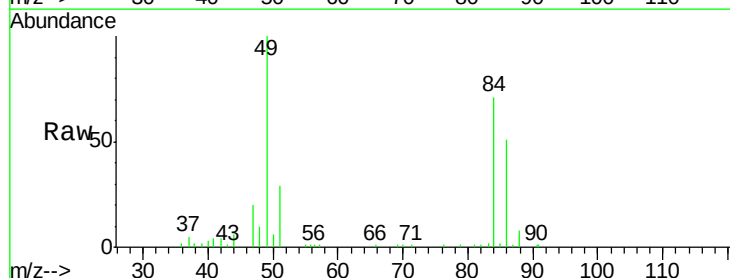
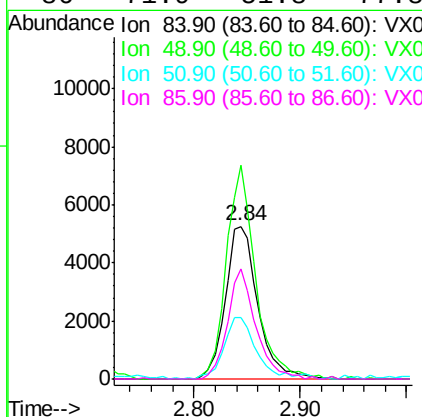
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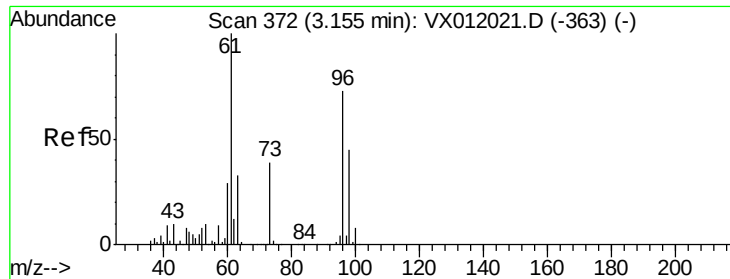
sam
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#20
Methylene Chloride
Concen: 9.754 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion: 84 Resp: 11232
Ion Ratio Lower Upper
84 100
49 140.2 98.4 147.6
51 40.2 29.0 43.4
86 71.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 7.183 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

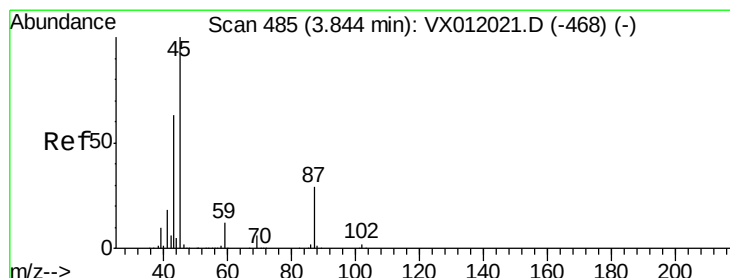
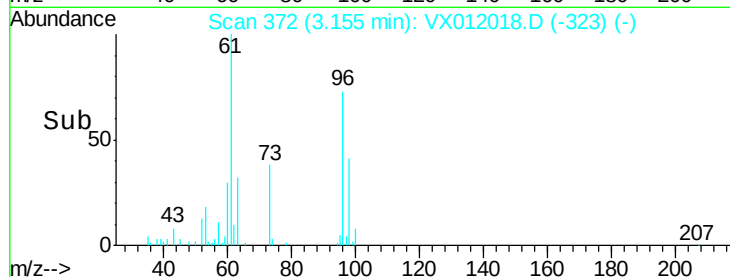
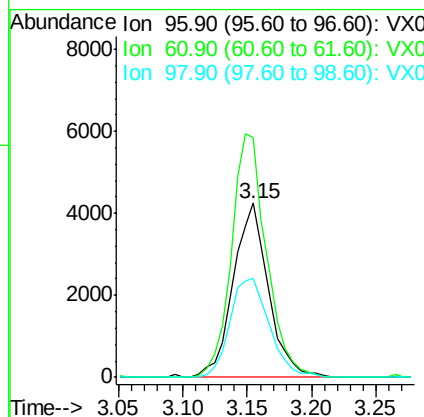
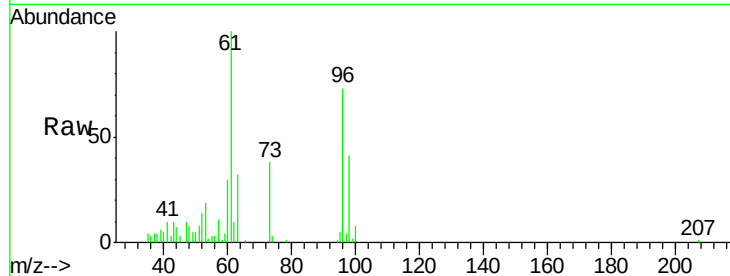
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	8067
Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.6	164.4
98	56.9	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 7.526 ug/l

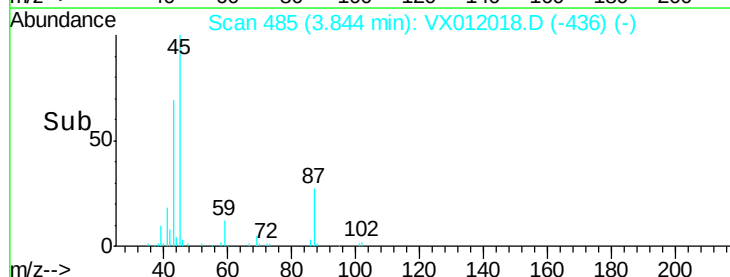
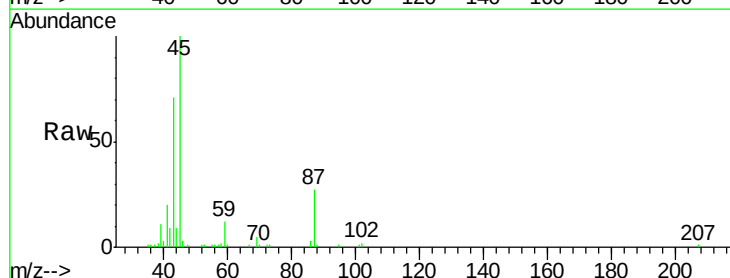
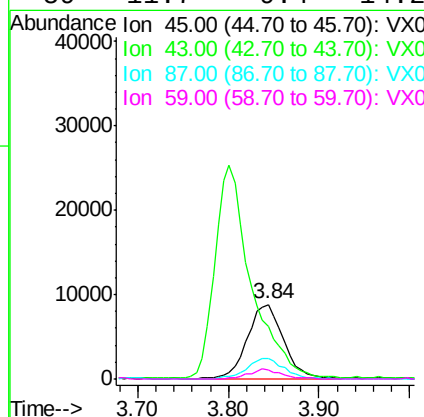
RT: 3.84 min Scan# 485

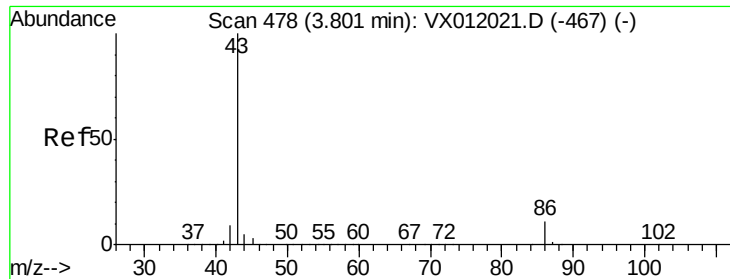
Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	45	Resp:	24508
Ion	Ratio	Lower	Upper
45	100		
43	68.4	50.6	76.0
87	26.9	23.4	35.0
59	11.7	9.4	14.2





#23

Vinyl Acetate

Concen: 34.373 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tot Ion: 43 Resp: 70380

Ion Ratio Lower Upper

43 100

86 11.8 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

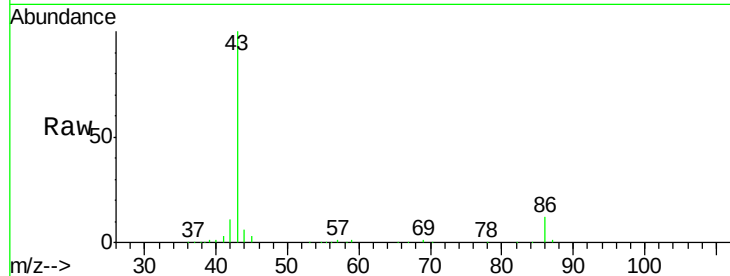
VSTDIC005

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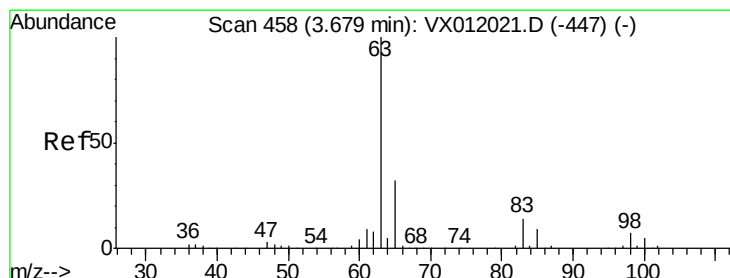
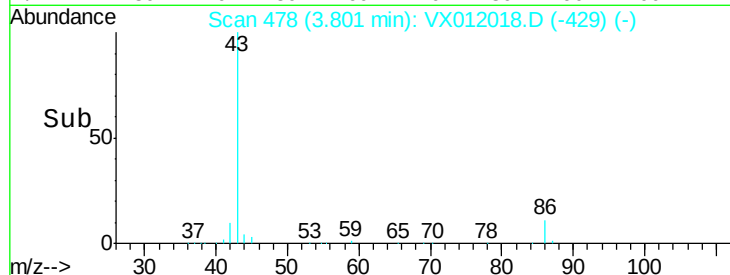
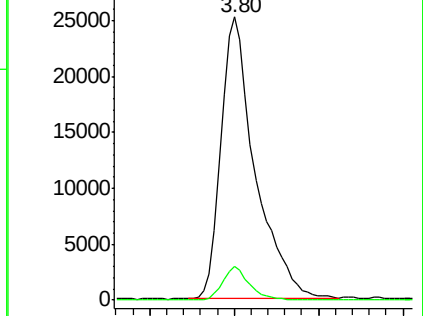
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 7.549 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

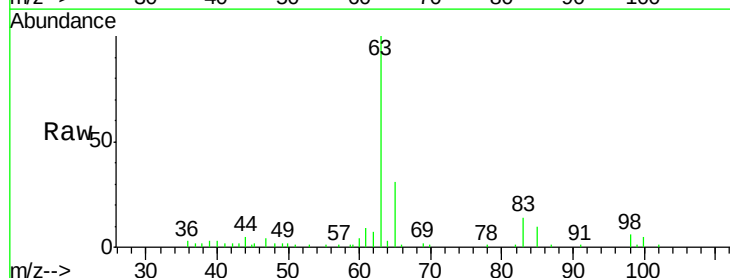
Tgt Ion: 63 Resp: 14336

Ion Ratio Lower Upper

63 100

98 6.0 3.6 10.9

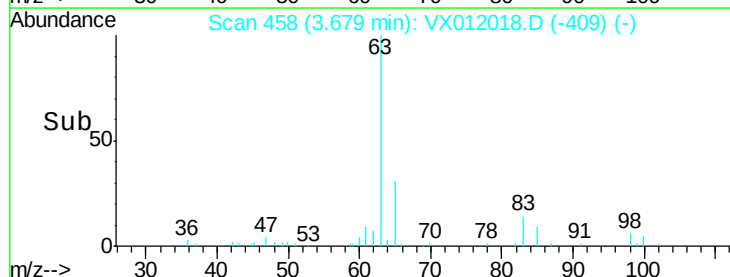
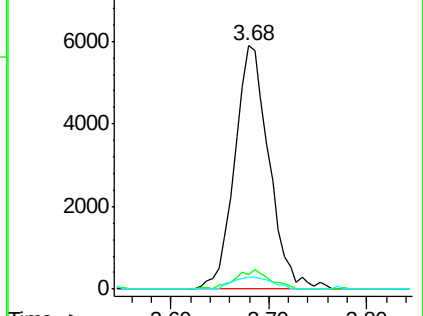
100 5.1 2.5 7.6

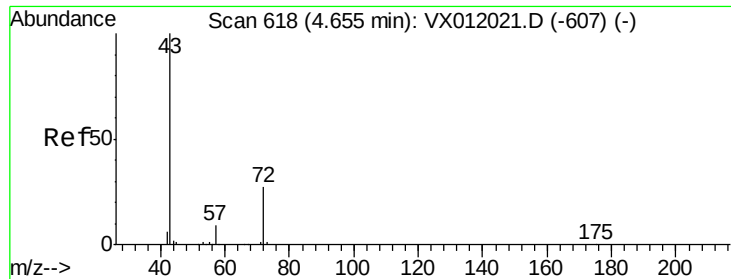


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 35.702 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tot Ion: 43 Resp: 12400

Ion Ratio Lower Upper

43 100

72 27.2 21.7 32.5

Instrument :

MSVOA_X

ClientSampleId :

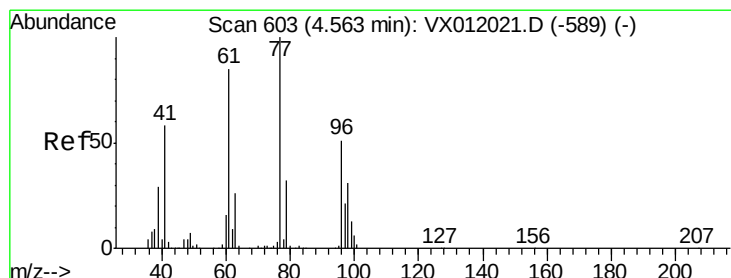
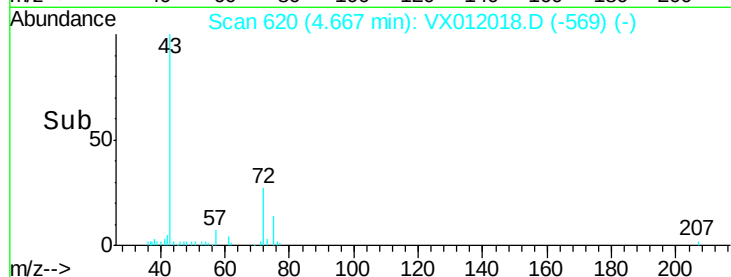
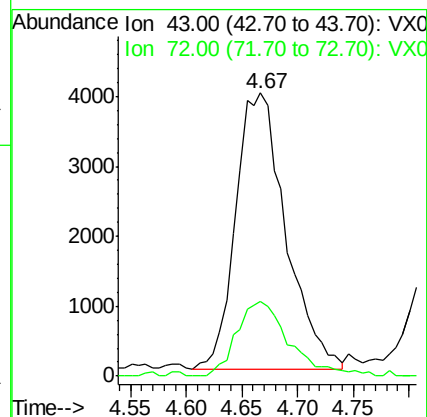
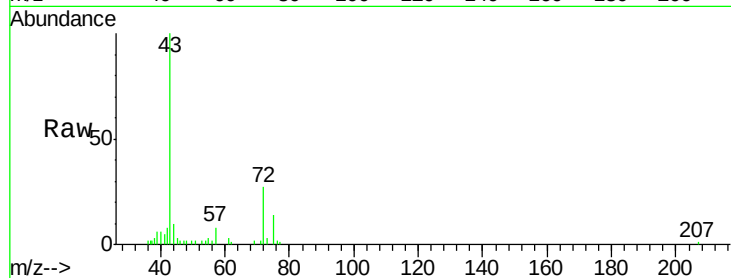
VSTDIC005

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 7.803 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX012018.D

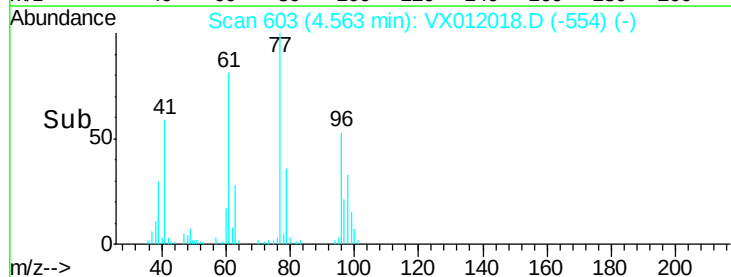
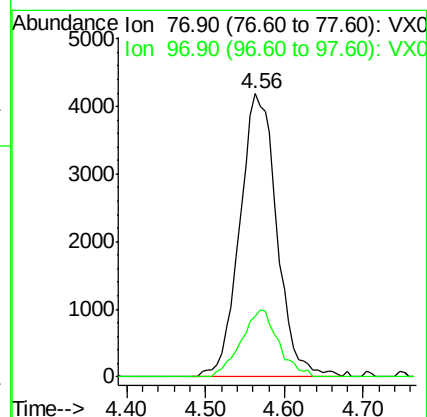
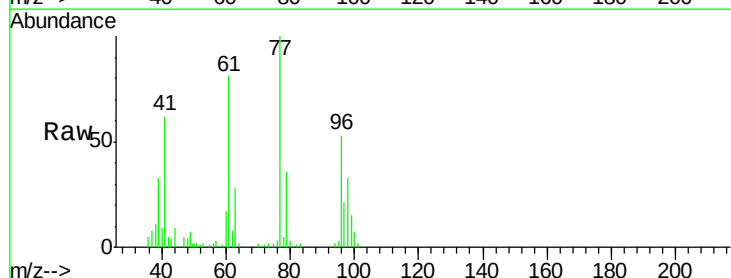
Acq: 03 Sep 2019 12:45

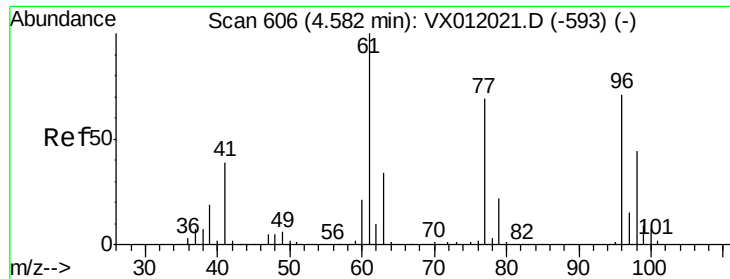
Tgt Ion: 77 Resp: 13745

Ion Ratio Lower Upper

77 100

97 23.6 10.9 32.7





#27

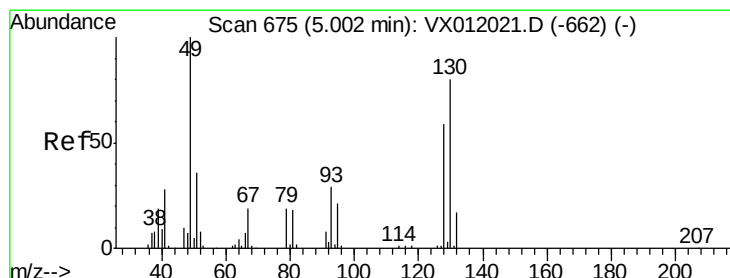
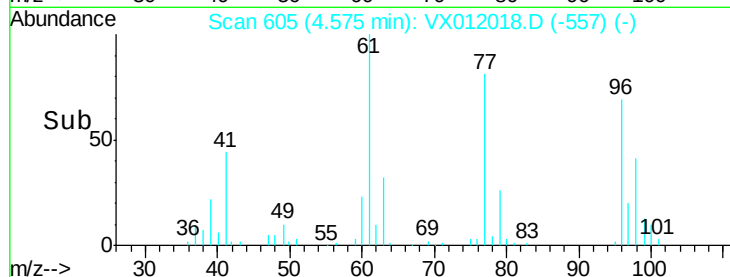
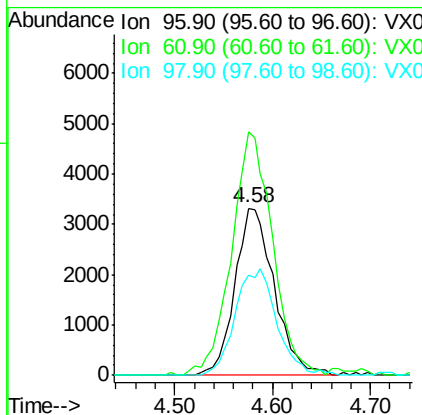
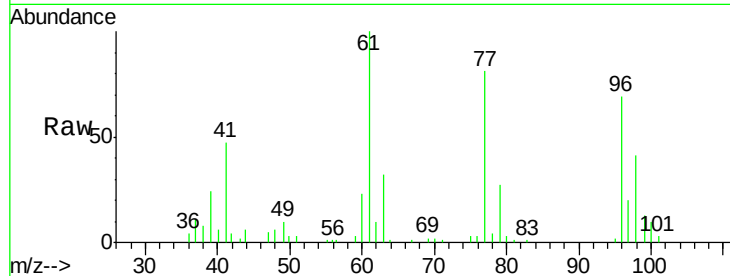
cis-1,2-Dichloroethene
Concen: 7.180 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	301.8
98	67.2	0.0	129.0

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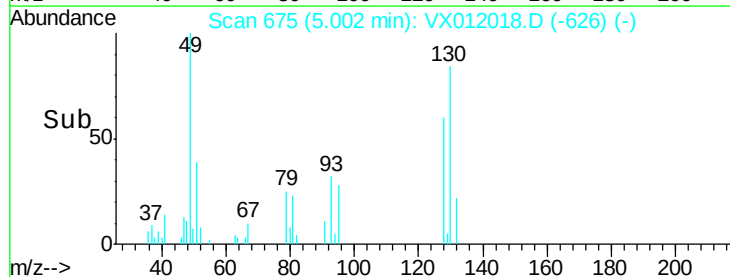
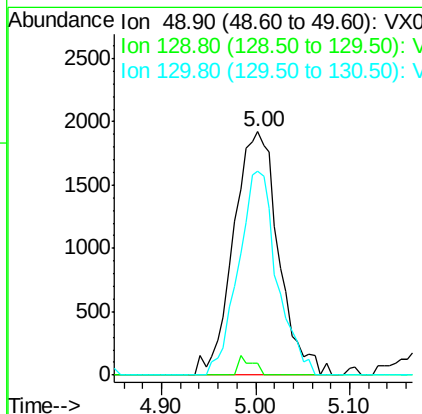
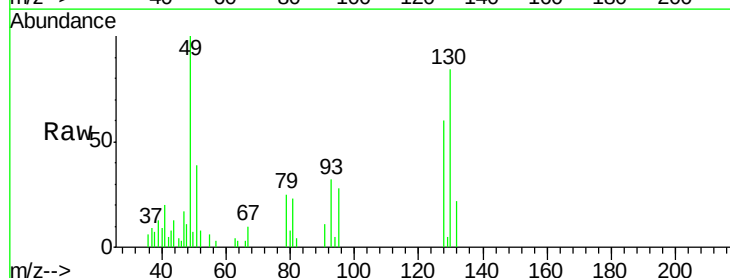
sam
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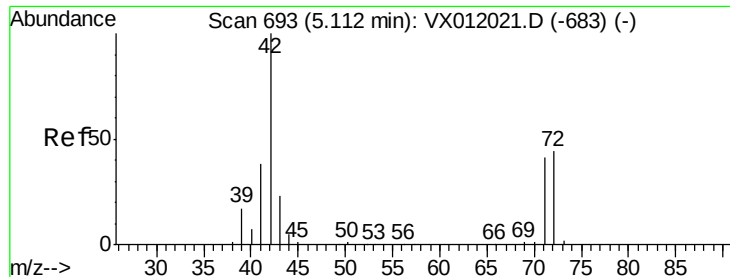


#28

Bromochloromethane
Concen: 8.242 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	72.0	62.0	93.0





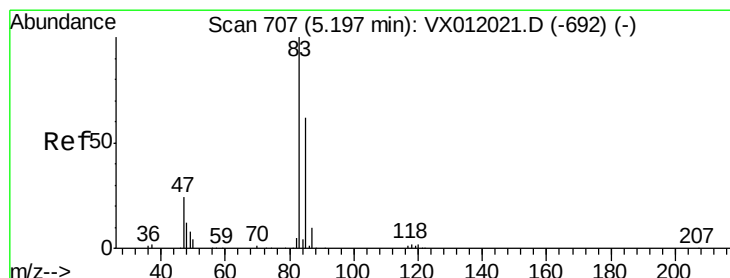
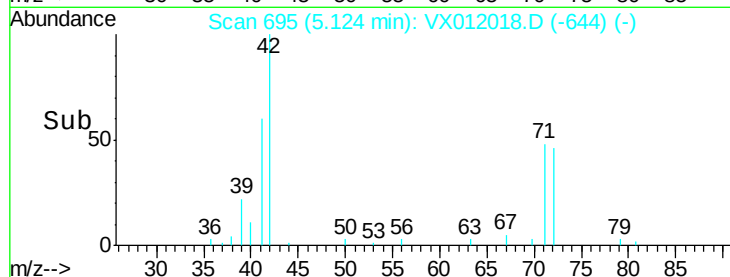
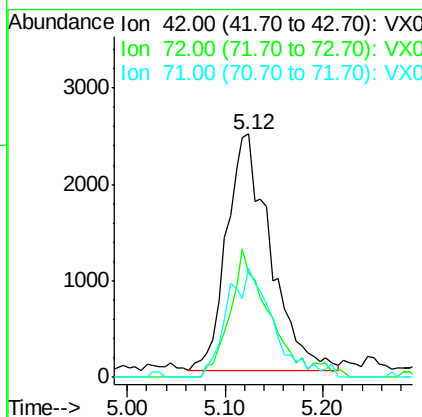
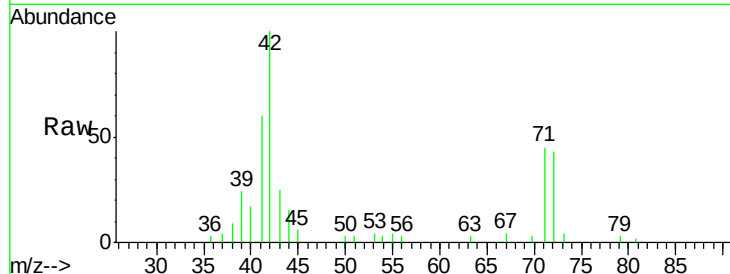
#29
Tetrahydrofuran
Concen: 35.903 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.8	56.8
71	47.9	34.9	52.3

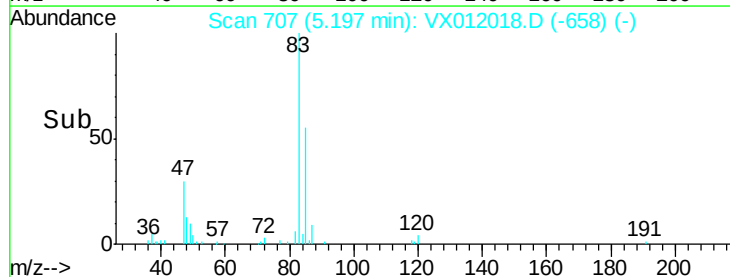
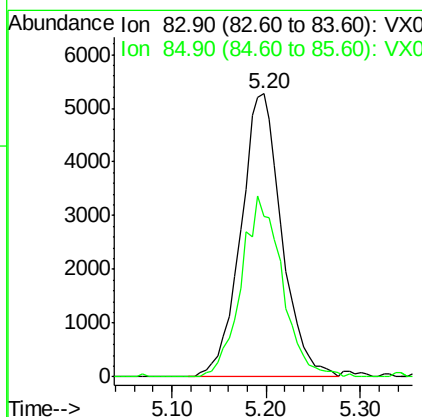
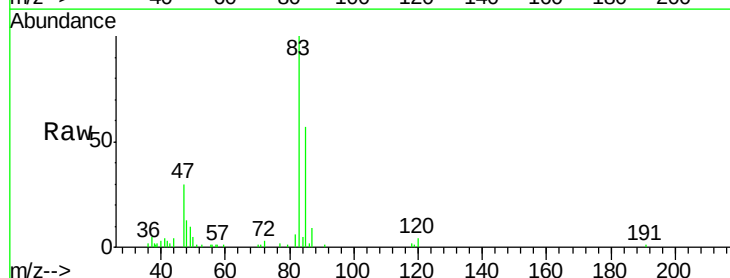
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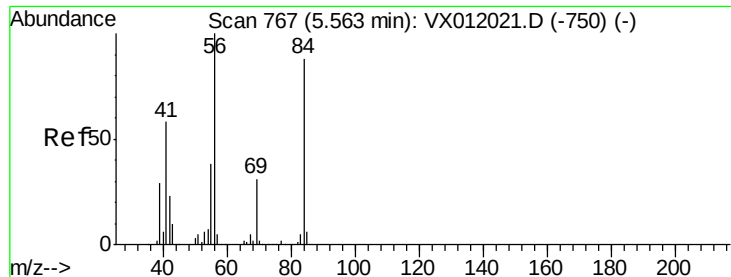
sam
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#30
Chloroform
Concen: 7.674 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.5	49.6	74.4





#31

Cyclohexane

Concen: 7.798 ug/l

RT: 5.56 min Scan# 766

Delta R.T. -0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

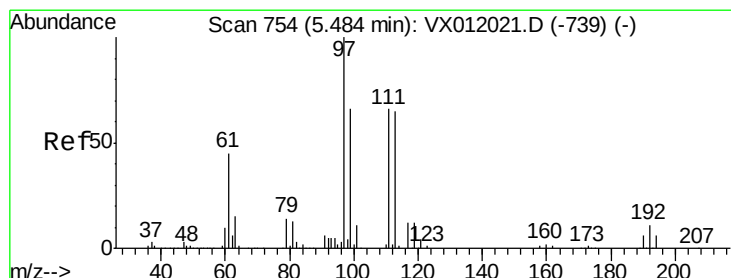
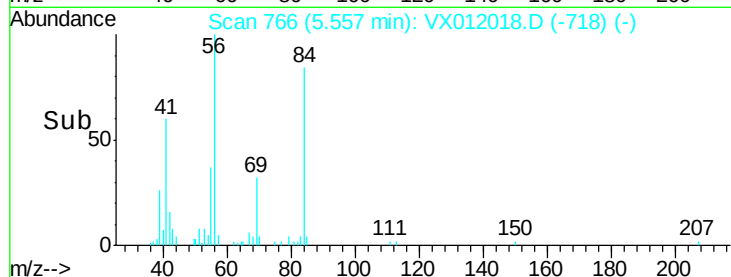
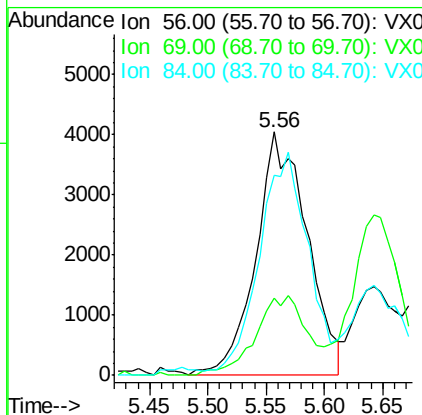
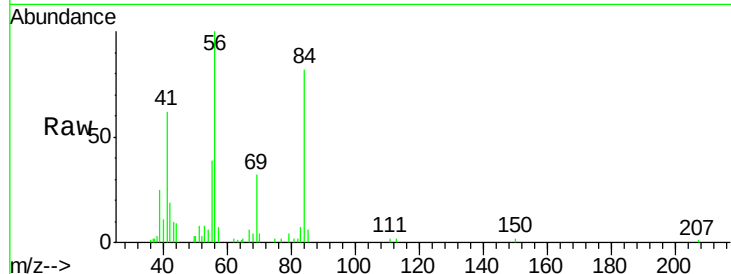
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	12338
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.0	37.6
84	79.9	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 6.710 ug/l

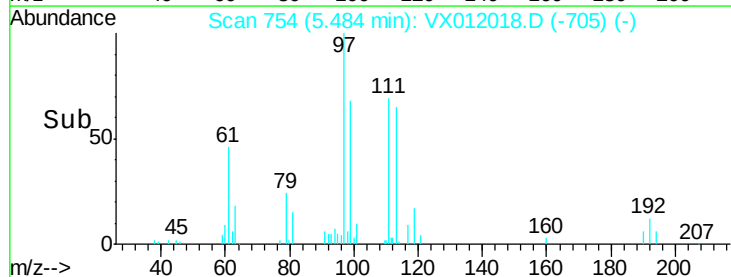
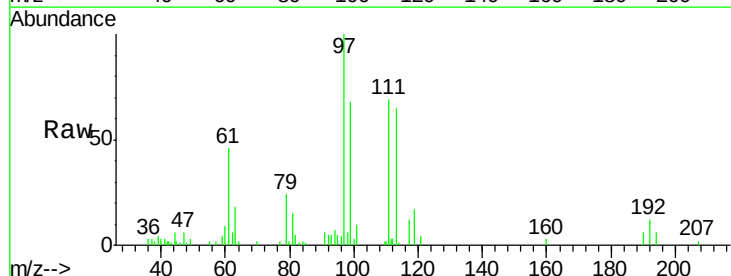
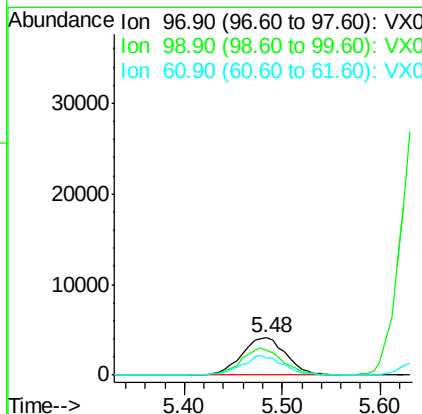
RT: 5.48 min Scan# 754

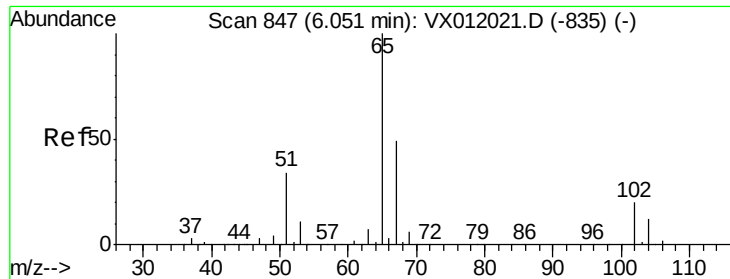
Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	97	Resp:	13013
Ion	Ratio	Lower	Upper
97	100		
99	68.4	51.4	77.0
61	47.5	35.6	53.4





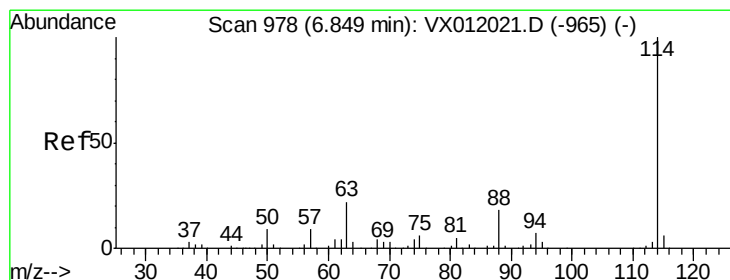
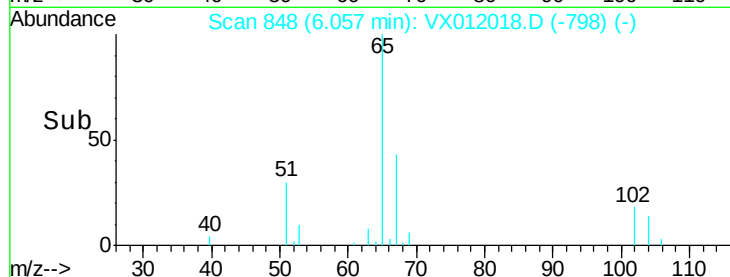
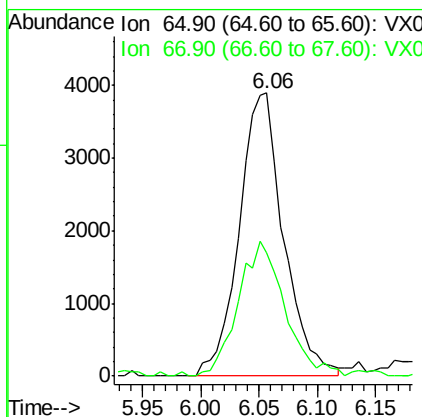
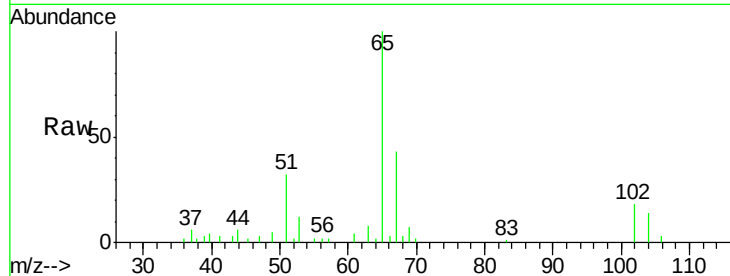
#33
 1,2-Dichloroethane-d4
 Concen: 7.953 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	101.0

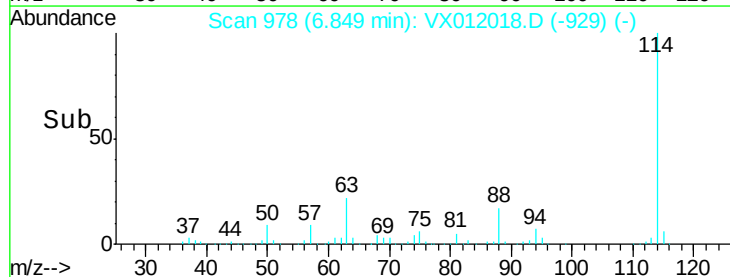
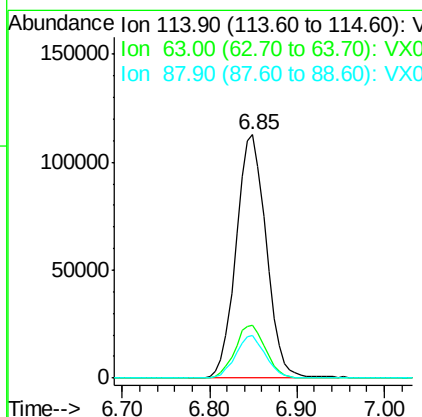
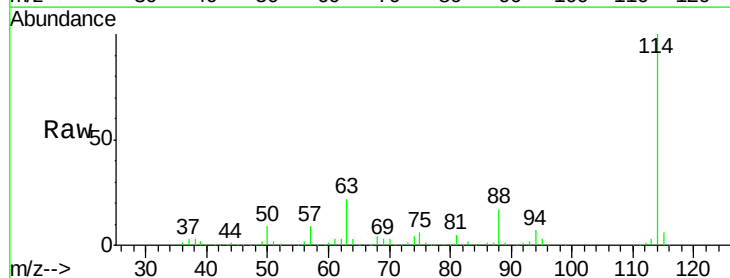
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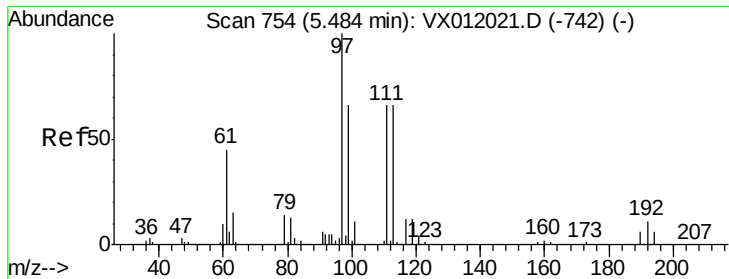
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.8
88	17.4	0.0	35.2





#35

Dibromofluoromethane

Concen: 4.411 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

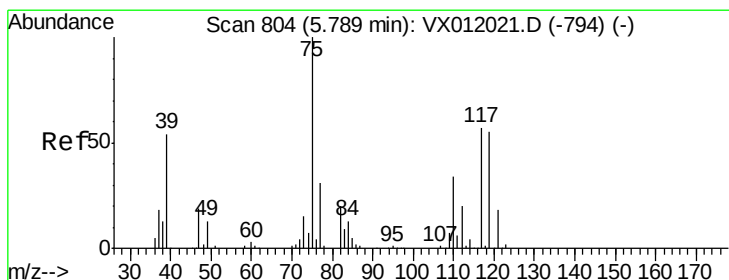
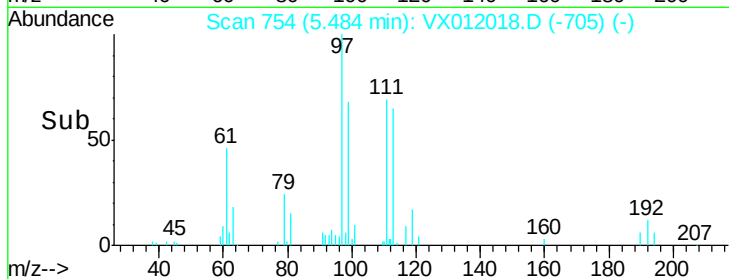
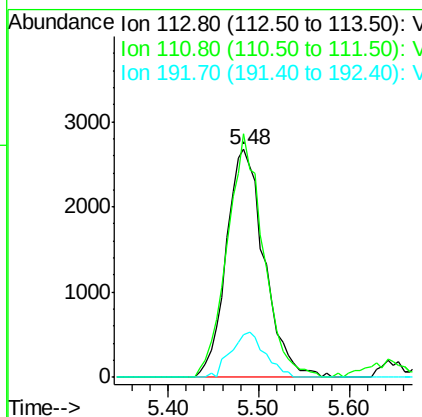
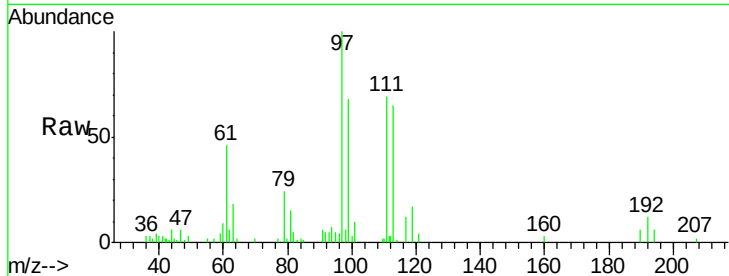
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	7812
Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.6
192	17.8	13.3	19.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.410 ug/l

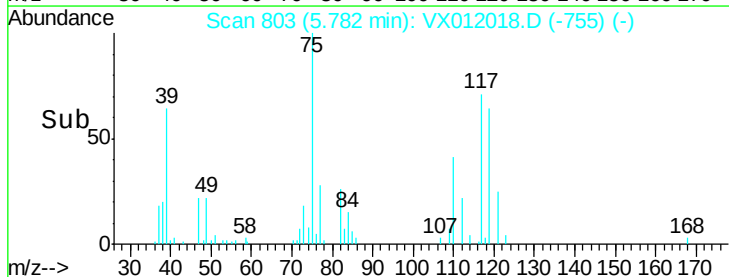
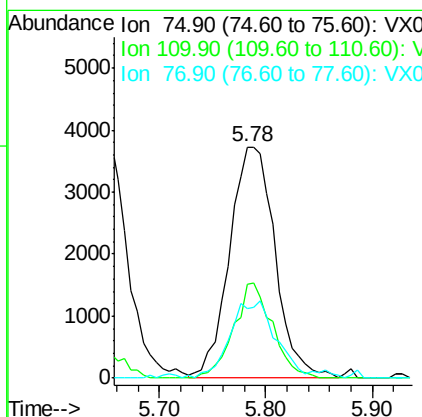
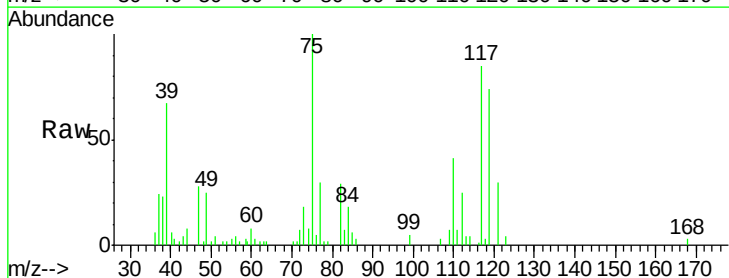
RT: 5.78 min Scan# 803

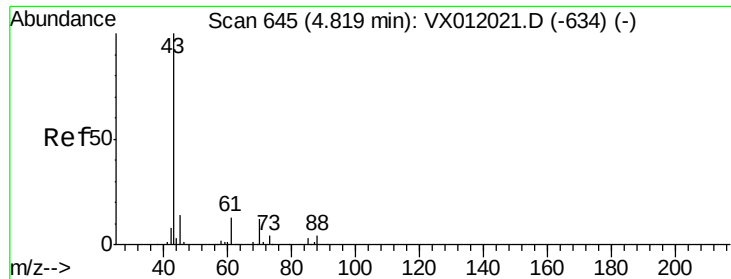
Delta R.T. -0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	75	Resp:	11181
Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.4	52.2
77	33.9	24.5	36.7





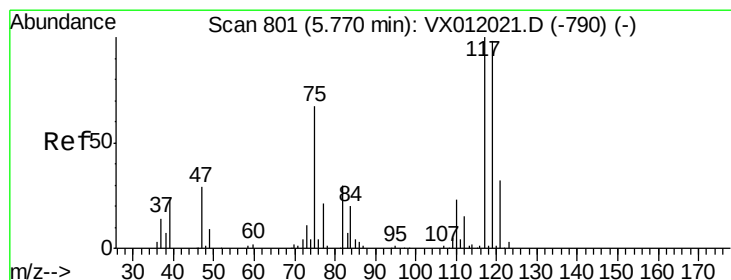
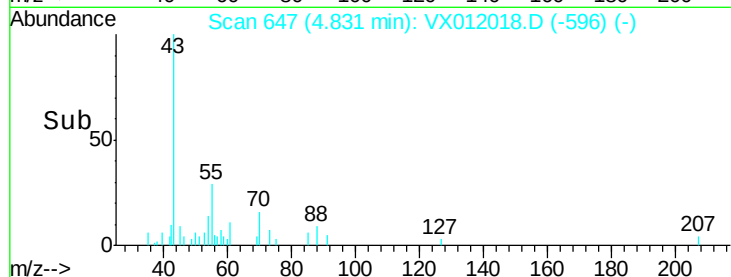
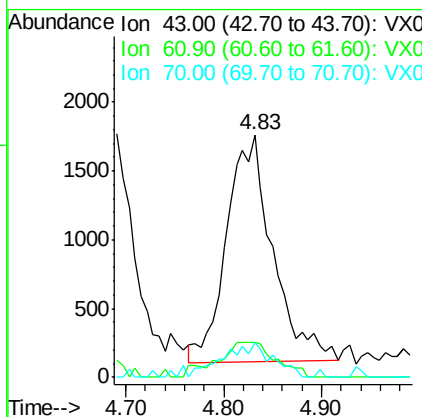
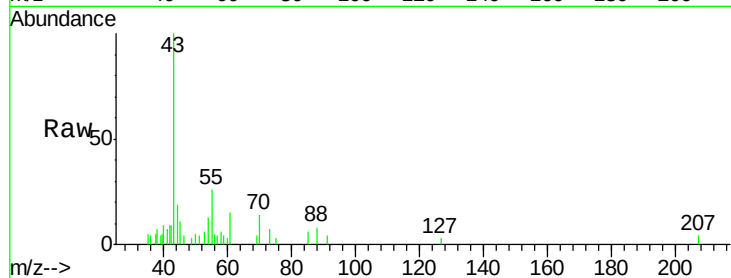
#37
Ethyl Acetate
Concen: 5.189 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	10.7	16.1#
70	16.7	10.0	15.0#

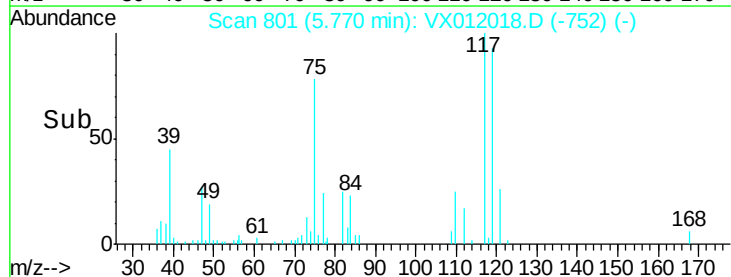
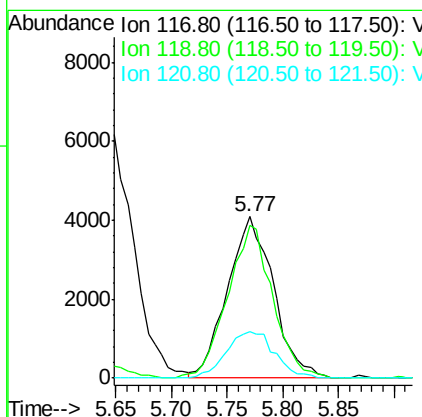
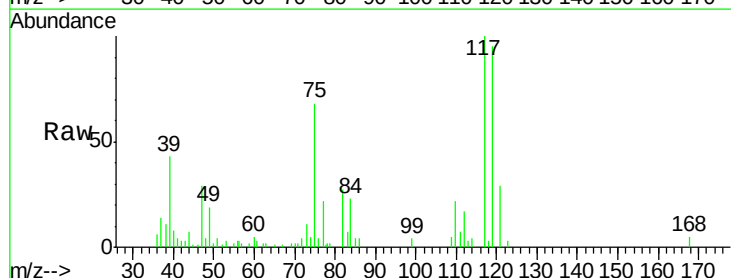
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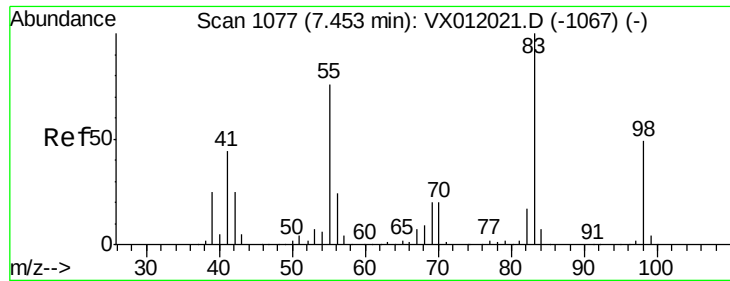
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#38
Carbon Tetrachloride
Concen: 4.665 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.1	117.1
121	29.0	25.5	38.3





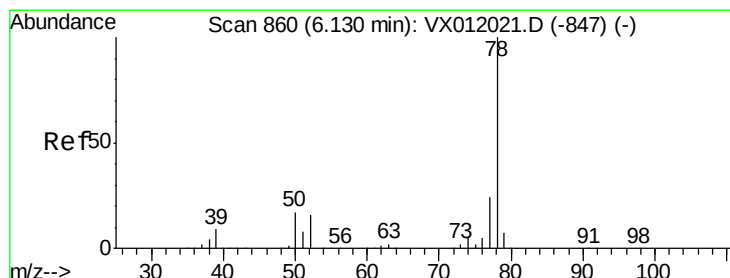
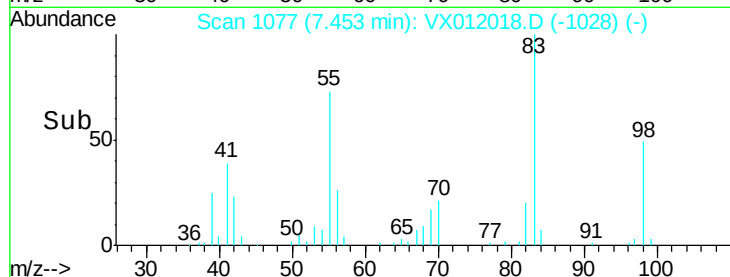
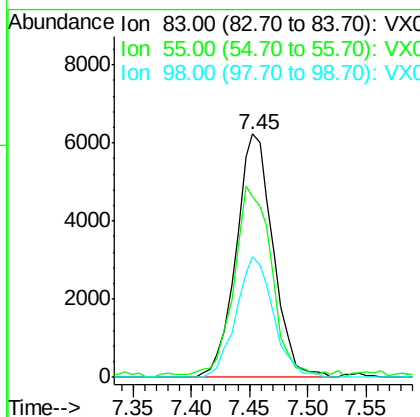
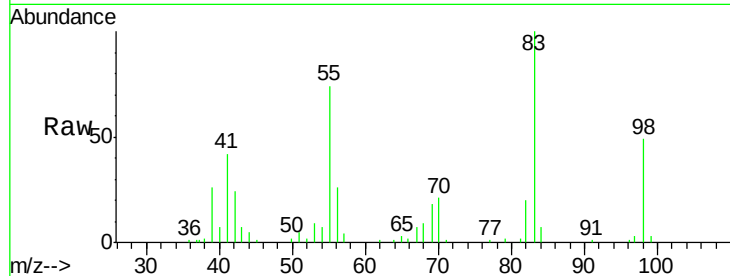
#39
Methylvlcyclohexane
Concen: 5.460 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	60.7	91.1
98	49.4	39.0	58.6

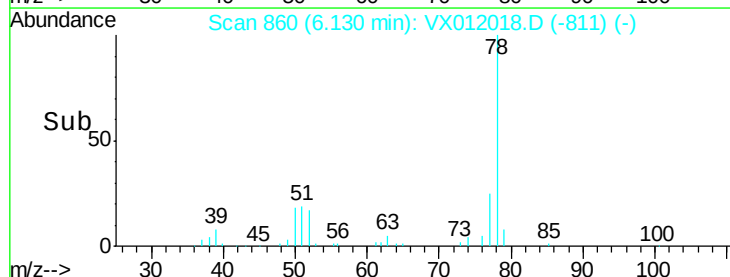
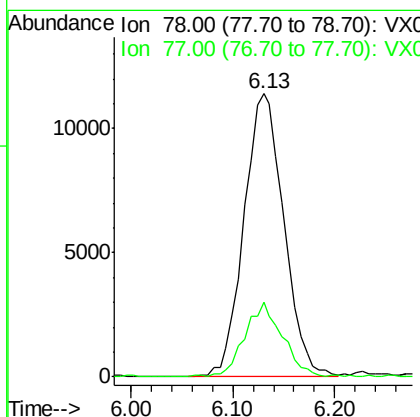
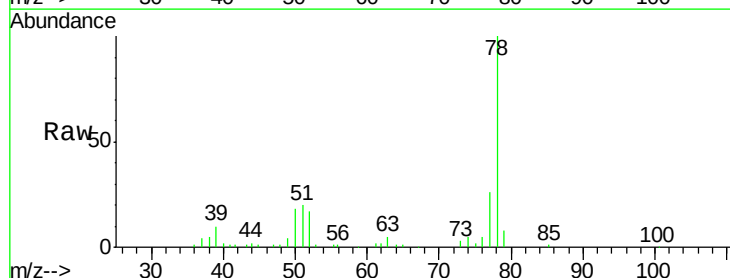
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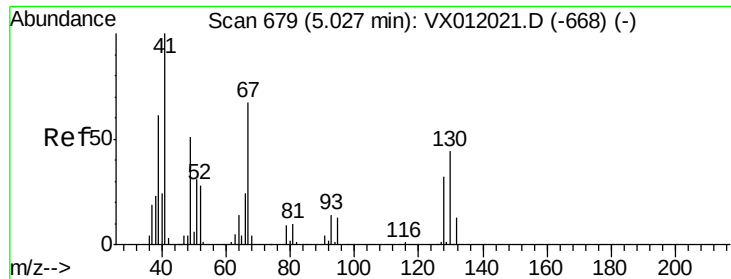
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#40
Benzene
Concen: 5.206 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.3	19.4	29.2





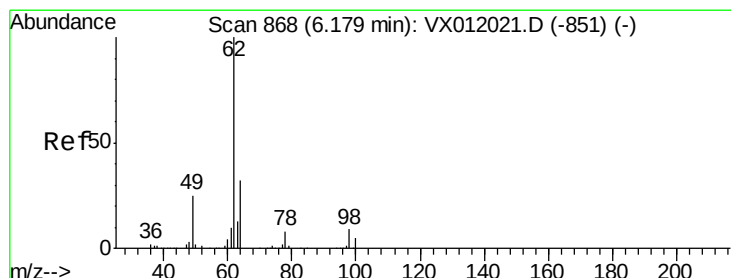
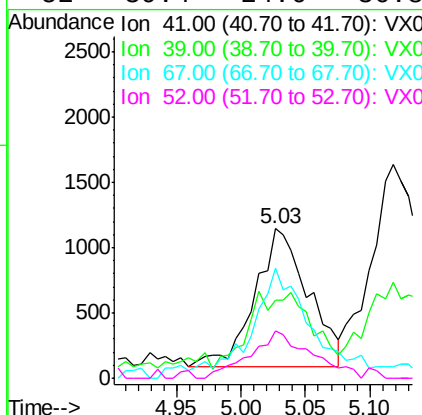
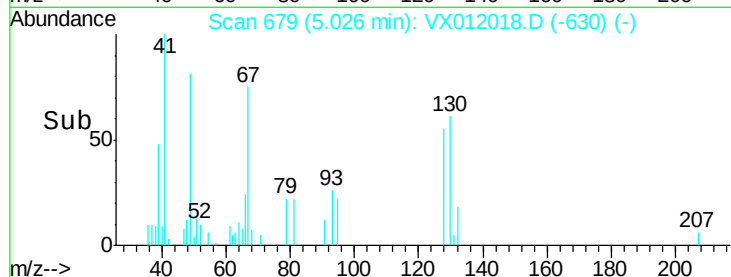
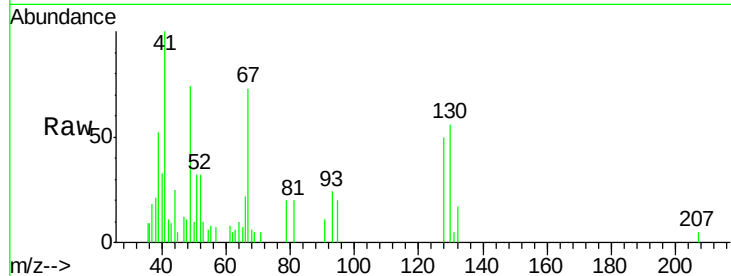
#41
Methacrylonitrile
Concen: 4.842 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	24.3	47.2	70.8#
67	79.6	56.6	85.0
52	39.4	24.6	36.8#

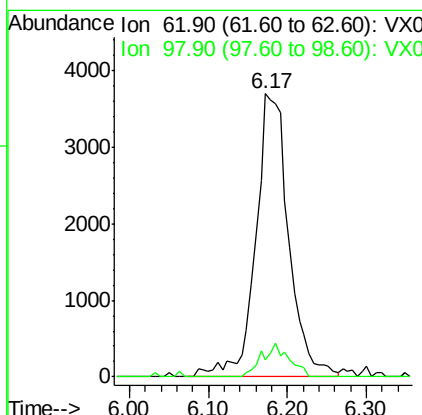
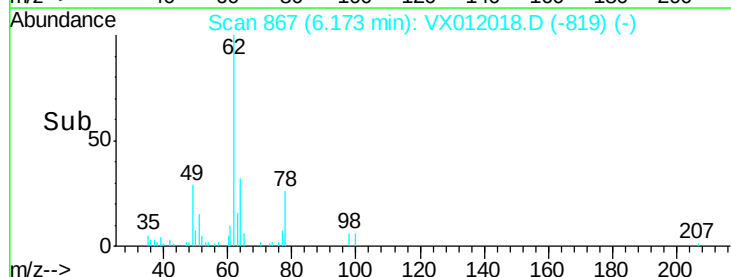
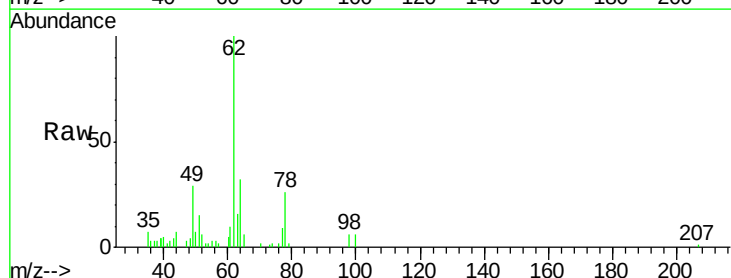
Manual Integrations
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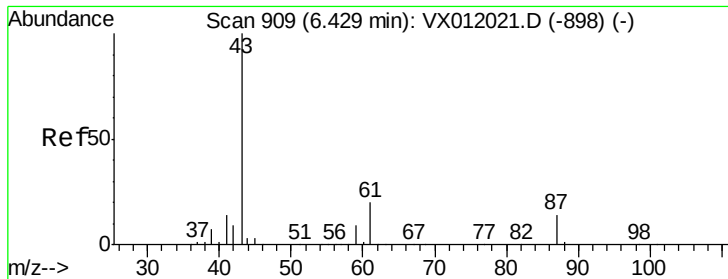
sam
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#42
1,2-Dichloroethane
Concen: 5.344 ug/l
RT: 6.17 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8





#43

Isopropyl Acetate

Concen: 4.889 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

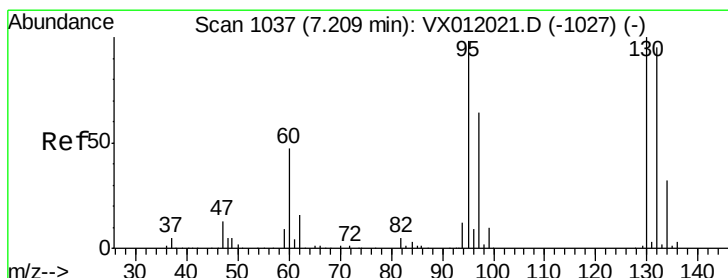
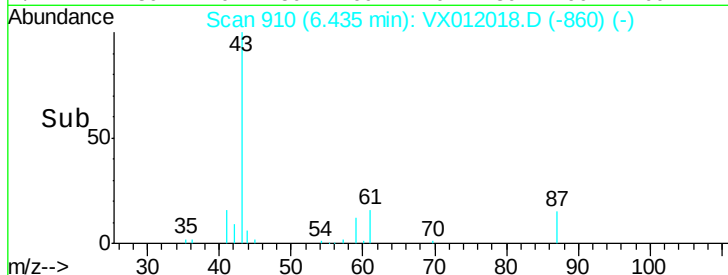
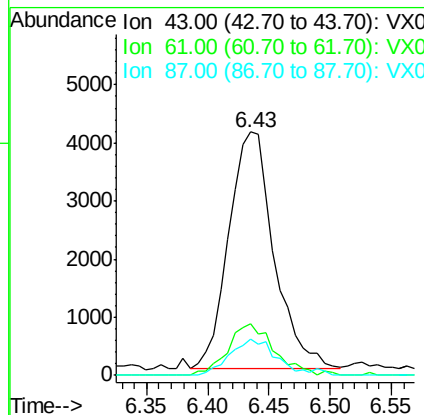
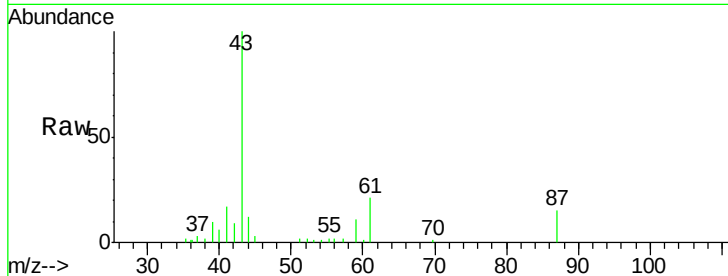
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	10455
Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.2	24.4
87	15.6	10.9	16.3

Manual Integrations
APPROVED

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#44

Trichloroethene

Concen: 4.360 ug/l

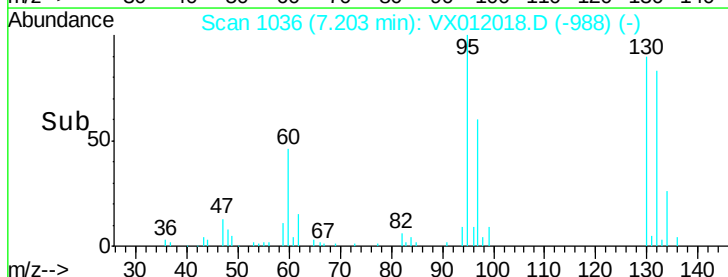
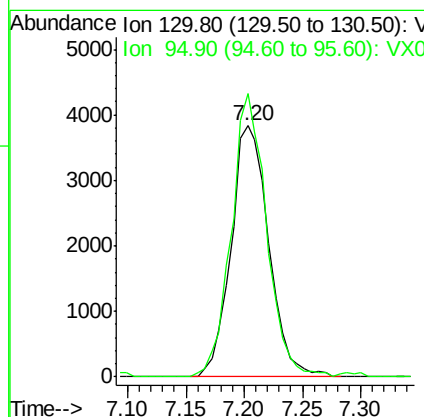
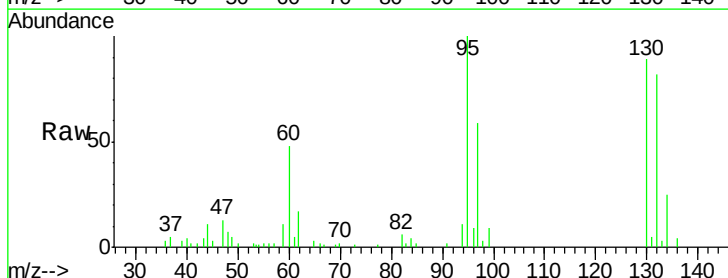
RT: 7.20 min Scan# 1036

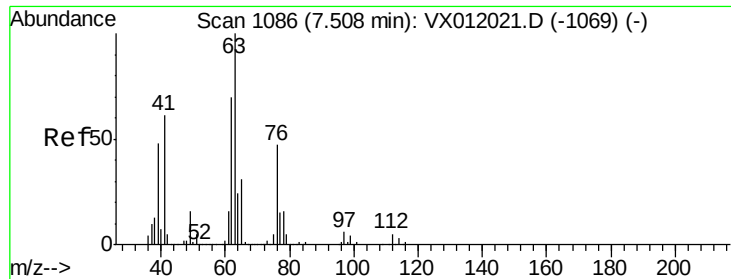
Delta R.T. -0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	130	Resp:	8643
Ion	Ratio	Lower	Upper
130	100		
95	112.8	0.0	196.6





#45

1,2-Dichloropropane

Concen: 5.292 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 7948

Ion Ratio Lower Upper

63 100

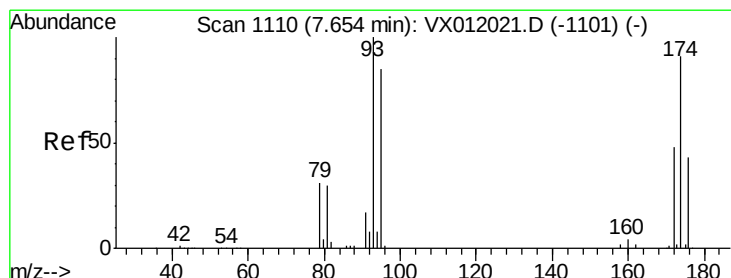
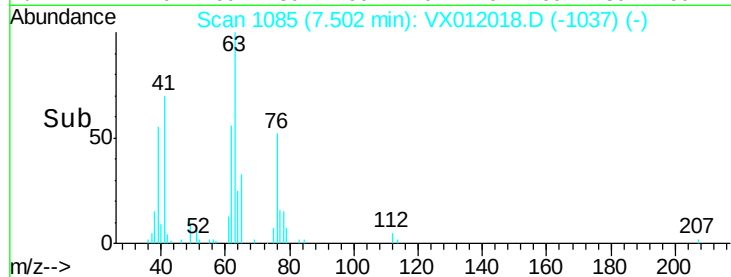
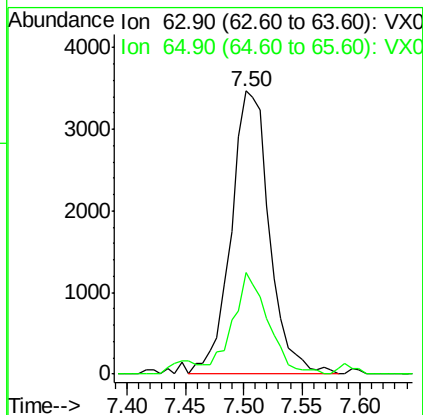
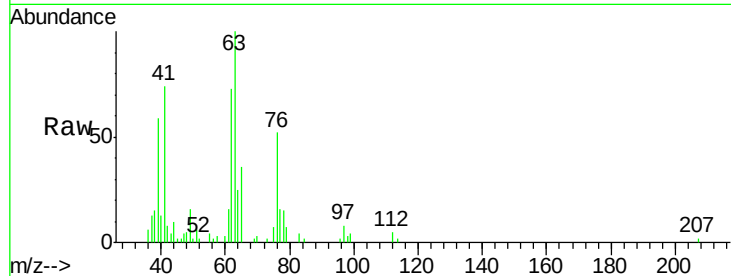
65 33.9 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 5.136 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

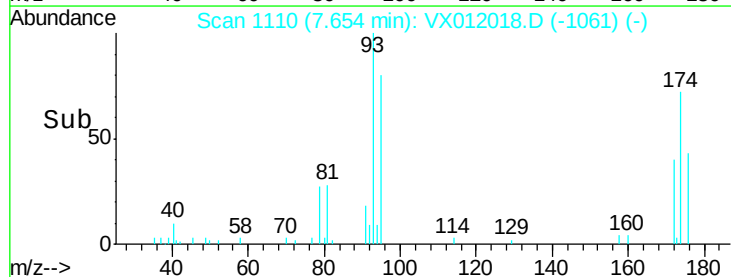
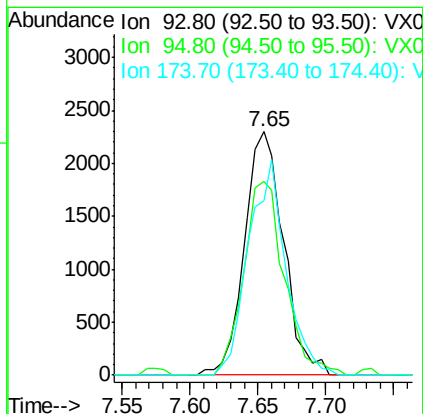
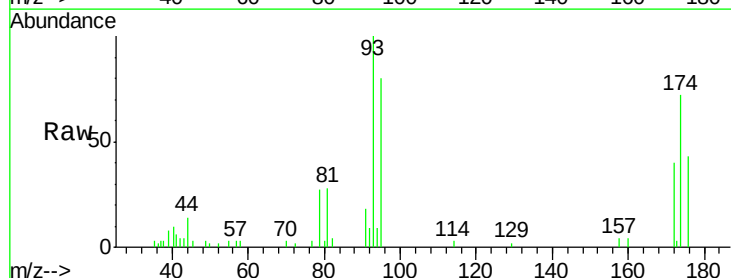
Tgt Ion: 93 Resp: 4624

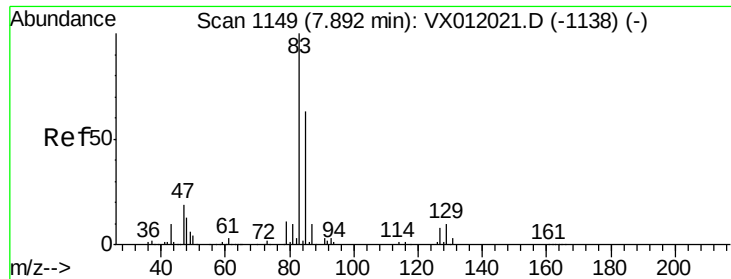
Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

174 85.1 70.5 105.7





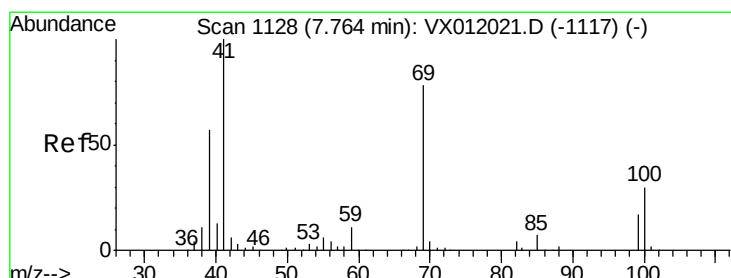
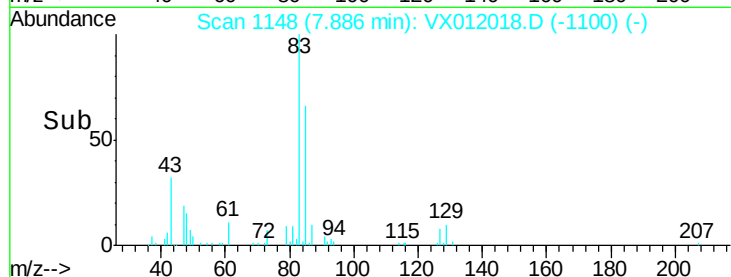
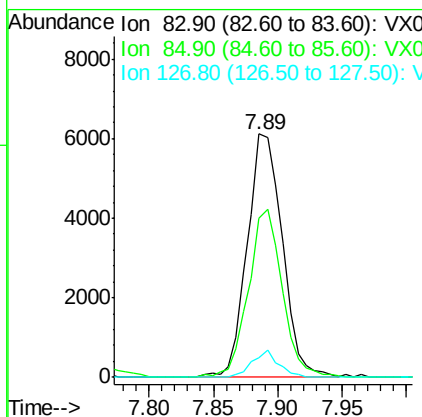
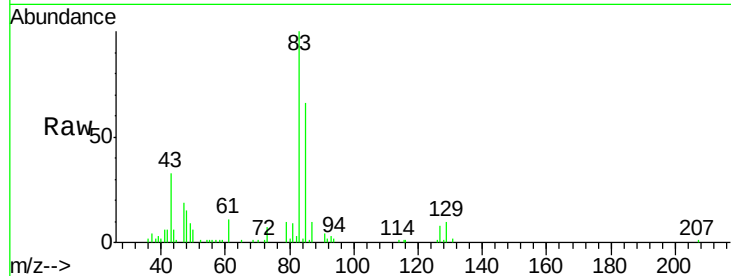
#47
Bromodichloromethane
Concen: 5.073 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	11529		
85	65.5	50.2	75.4	
127	7.9	6.1	9.1	

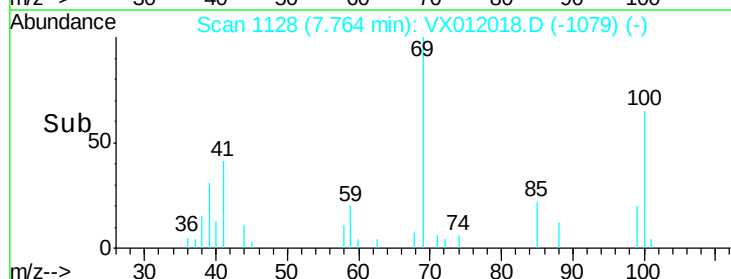
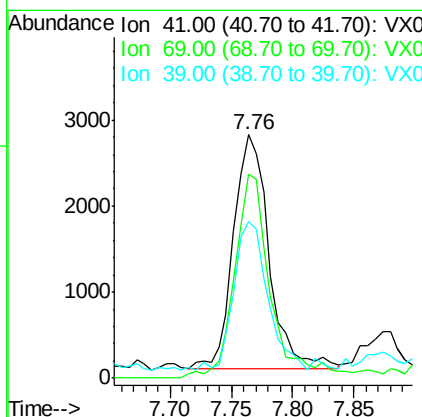
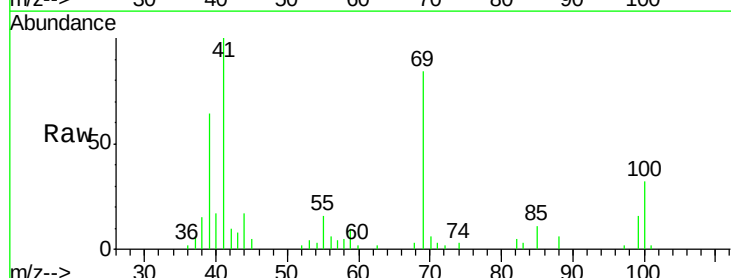
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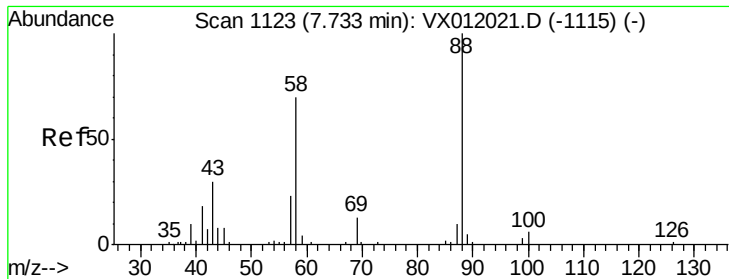
sam
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#48
Methyl methacrylate
Concen: 5.243 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	5529		
69	87.2	63.9	95.9	
39	59.6	48.4	72.6	





#49

1,4-Dioxane

Concen: 111.870 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

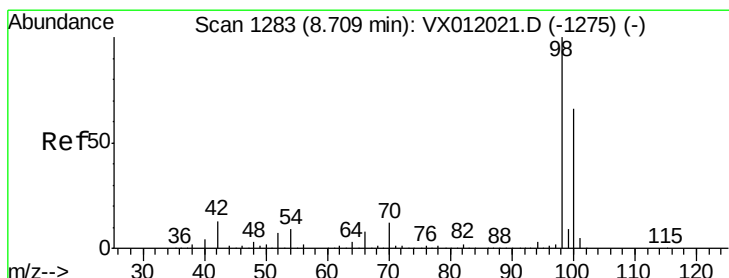
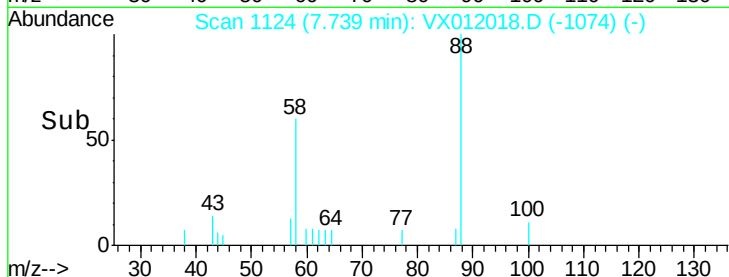
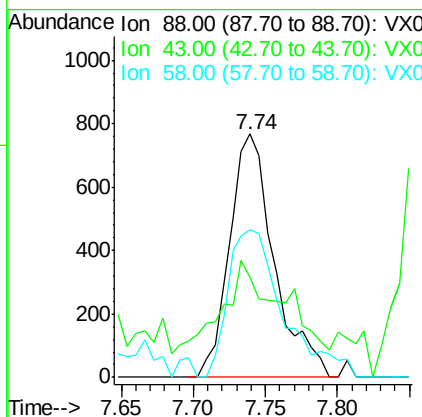
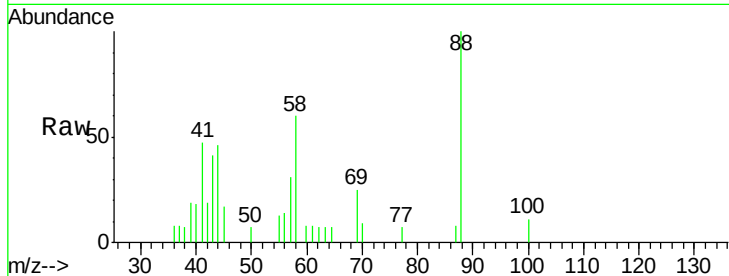
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	1655
Ion	Ratio	Lower	Upper
88	100		
43	29.3	28.8	43.2
58	75.0	59.9	89.9

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#50

Toluene-d8

Concen: 5.223 ug/l

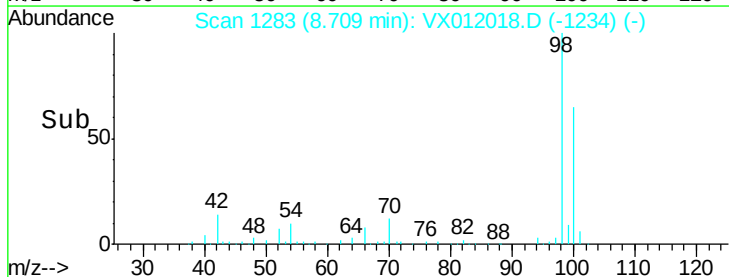
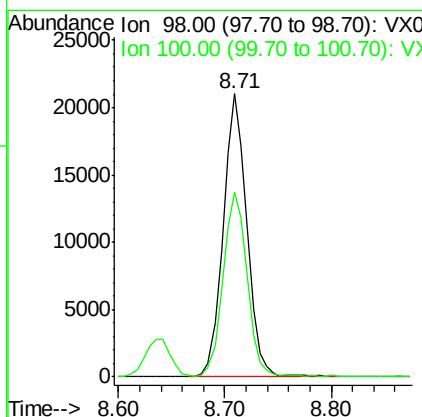
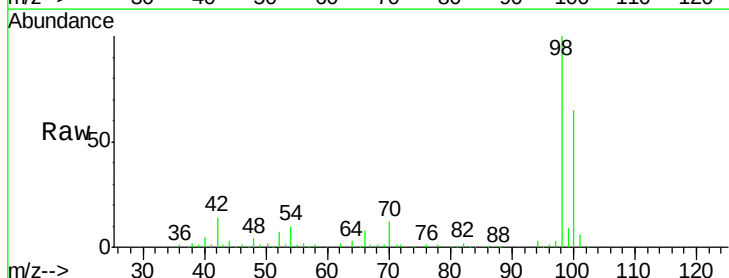
RT: 8.71 min Scan# 1283

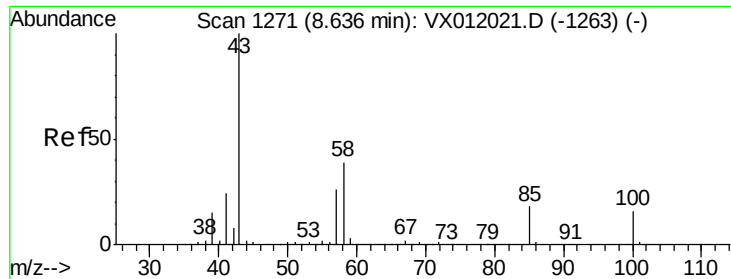
Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	98	Resp:	32583
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 25.653 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 27571

Ion Ratio Lower Upper

43 100

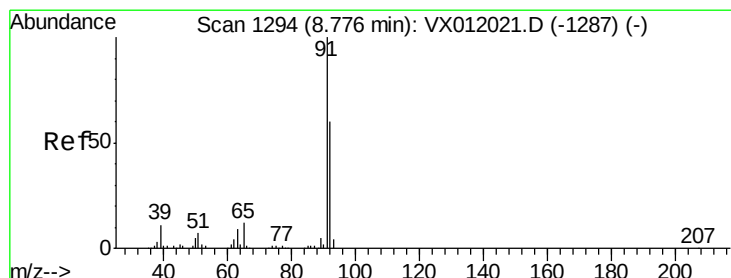
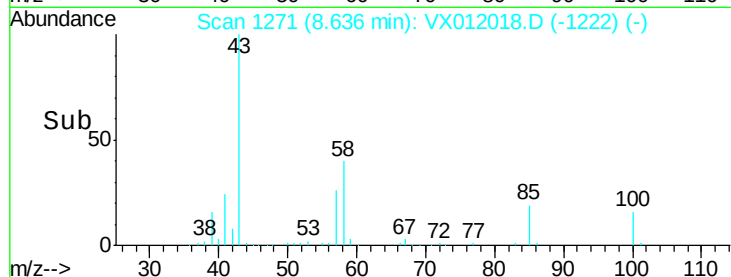
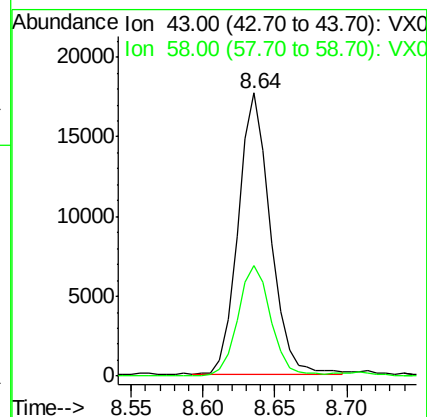
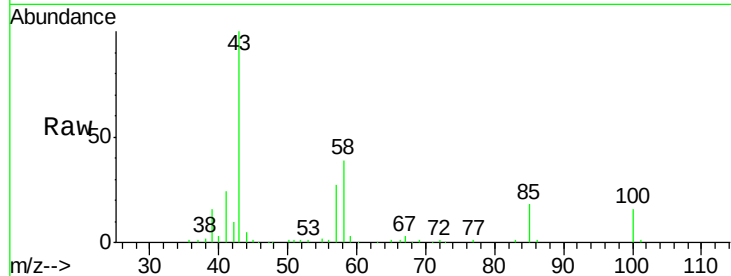
58 40.1 31.3 46.9

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#52

Toluene

Concen: 5.077 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX012018.D

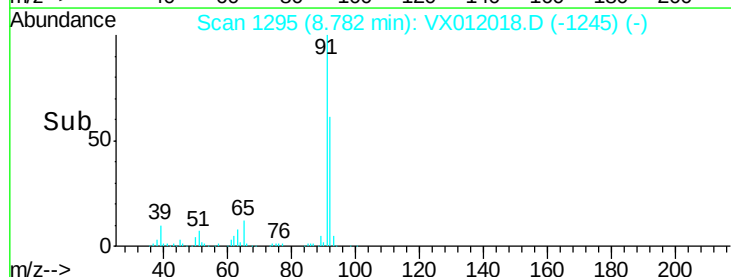
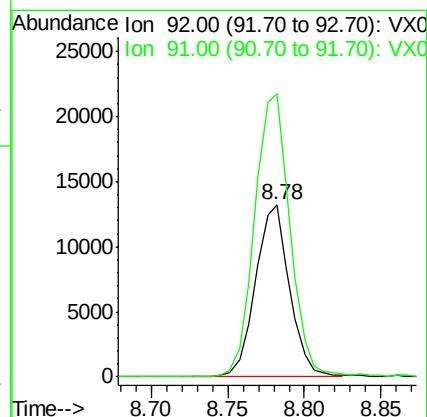
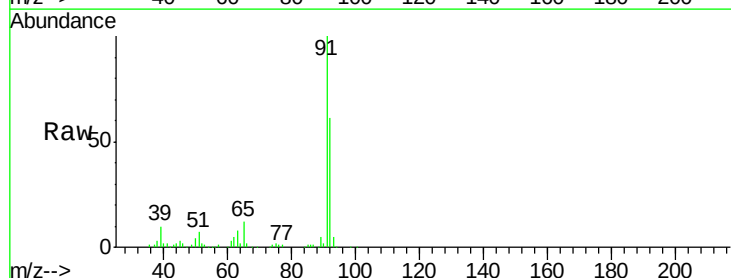
Acq: 03 Sep 2019 12:45

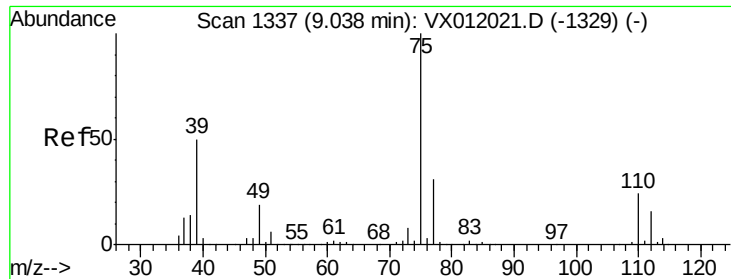
Tgt Ion: 92 Resp: 20535

Ion Ratio Lower Upper

92 100

91 171.2 135.4 203.2





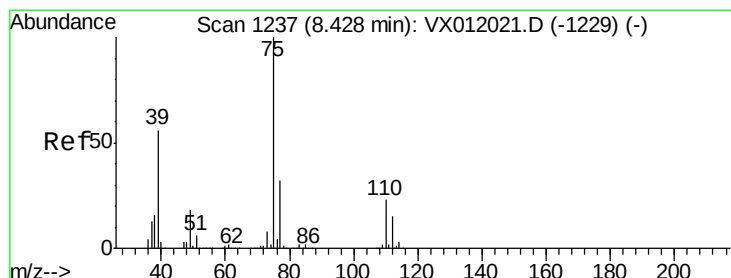
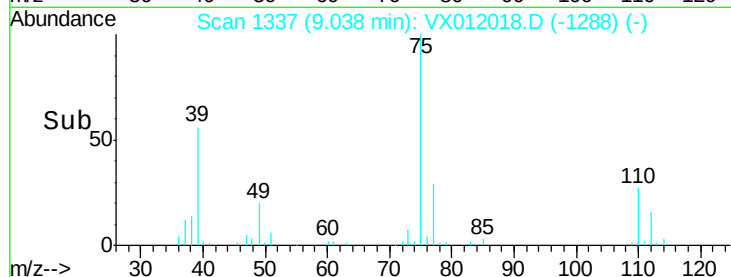
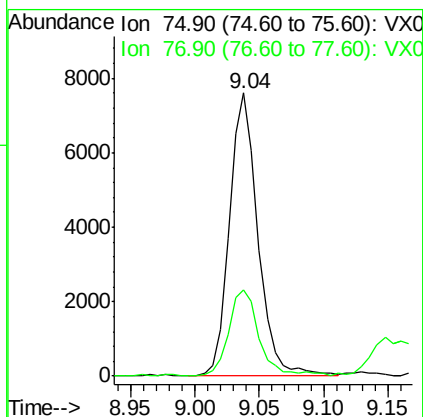
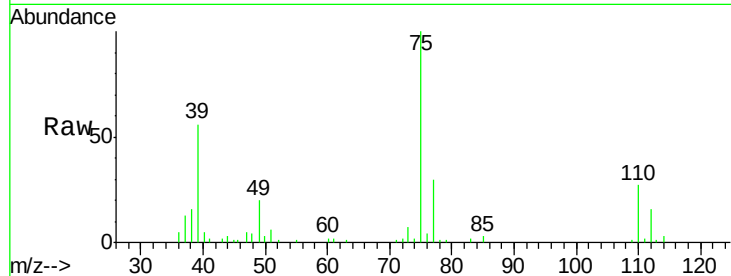
#53
t-1,3-Dichloropropene
Concen: 5.121 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 11782
Ion Ratio Lower Upper
75 100
77 30.5 24.8 37.2

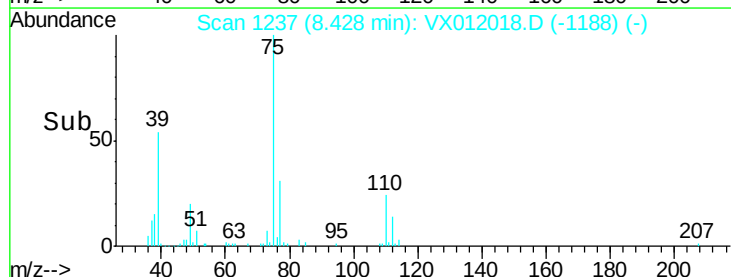
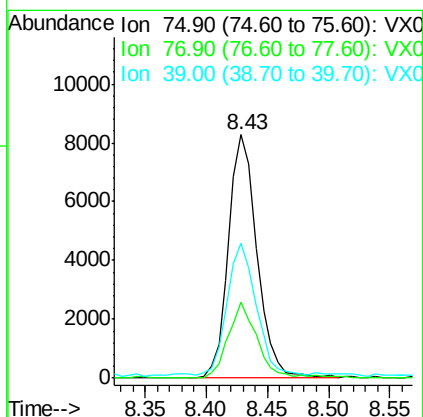
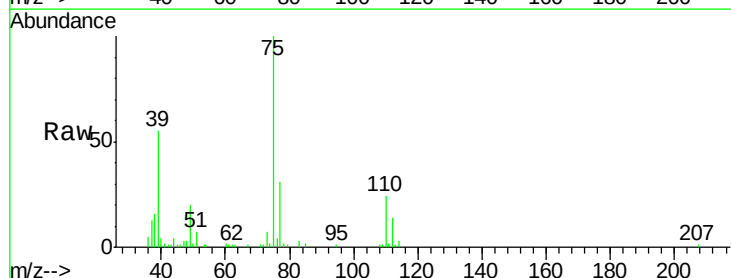
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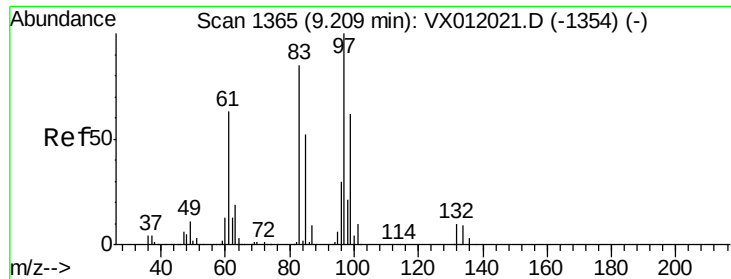
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#54
cis-1,3-Dichloropropene
Concen: 5.157 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion: 75 Resp: 13354
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2
39 53.6 44.7 67.1





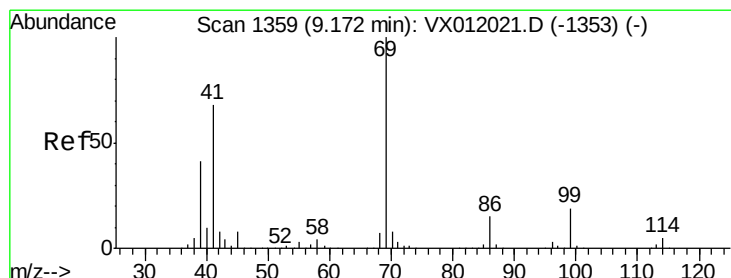
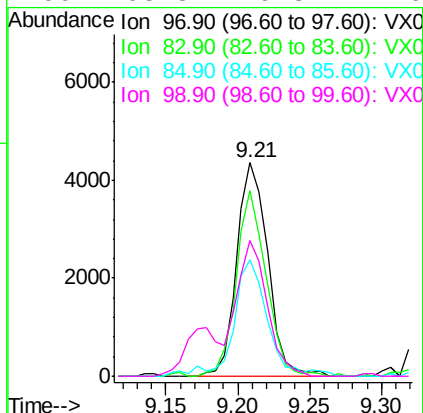
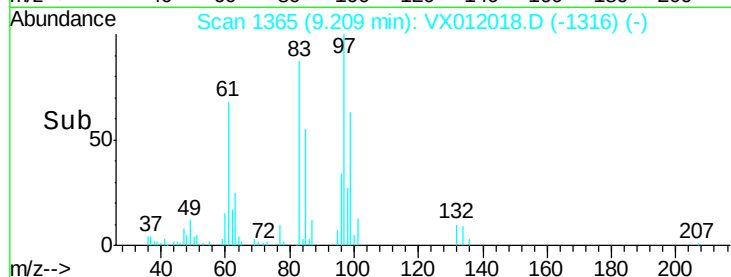
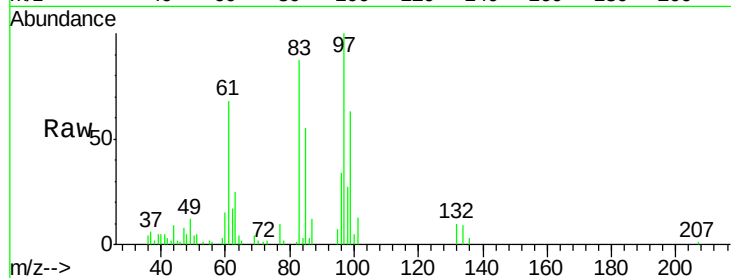
#55
 1,1,2-Trichloroethane
 Concen: 4.990 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6559
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.1	102.1
85	54.7	41.4	62.2
99	63.3	49.8	74.6

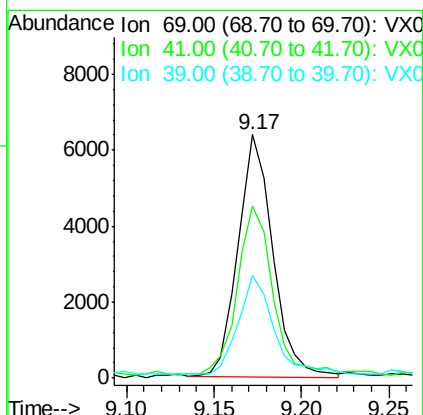
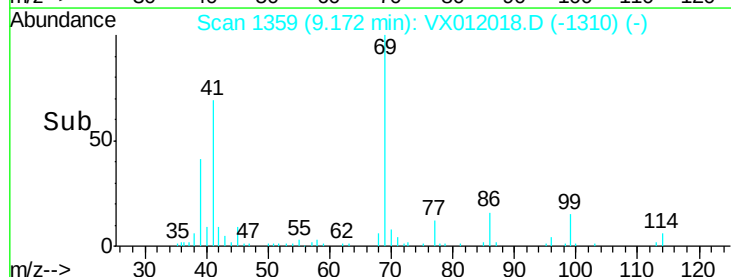
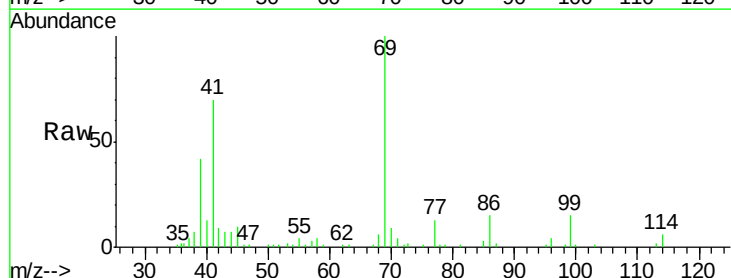
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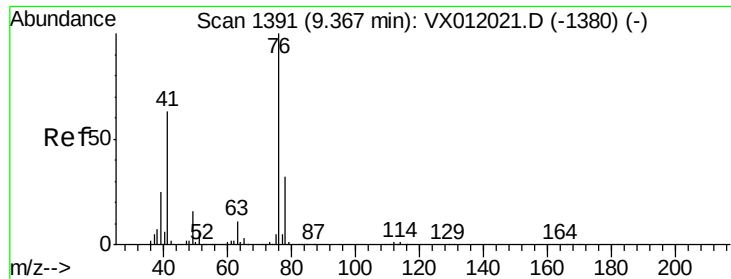
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#56
 Ethyl methacrylate
 Concen: 5.048 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion:	69	Resp:	8811
Ion	Ratio	Lower	Upper
69	100		
41	72.6	55.4	83.2
39	42.1	33.3	49.9





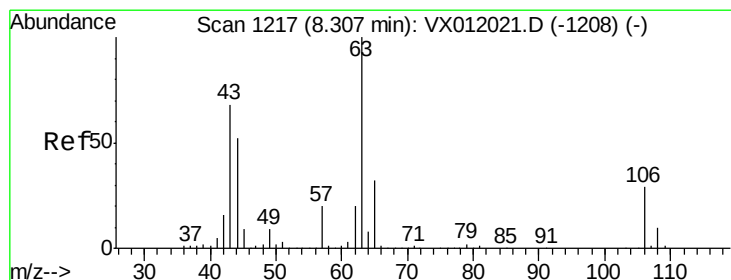
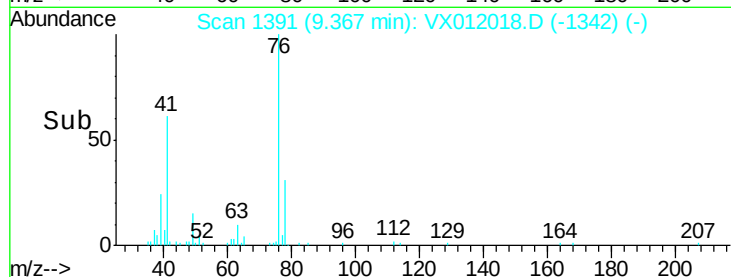
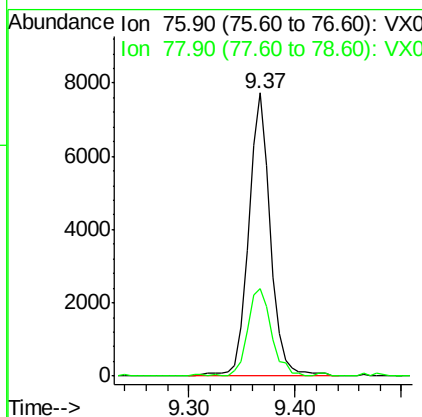
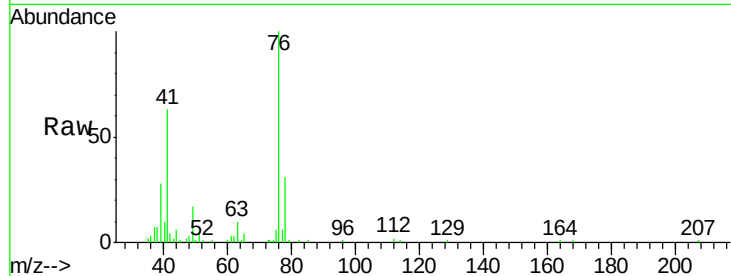
#57
 1,3-Dichloropropane
 Concen: 5.135 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 11084
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.3 39.5

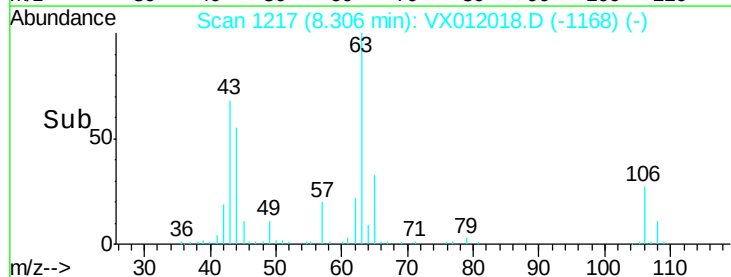
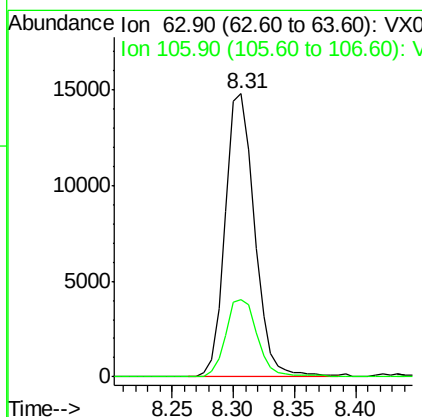
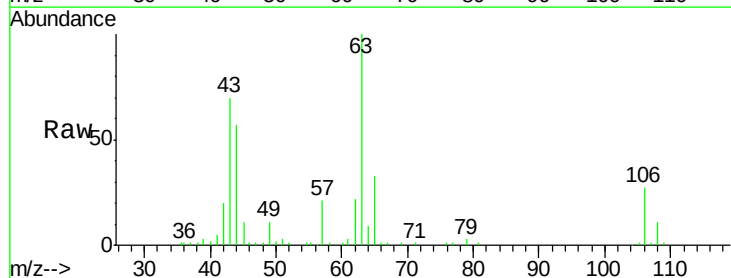
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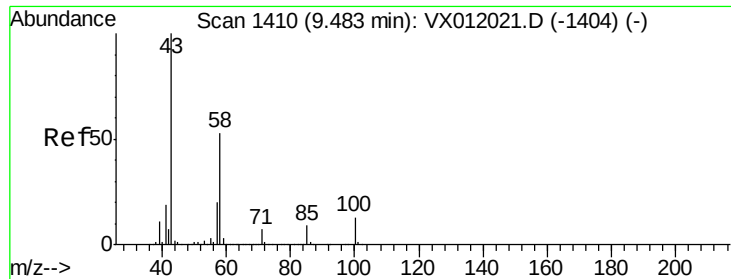
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 31.110 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion: 63 Resp: 24676
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.3 34.9





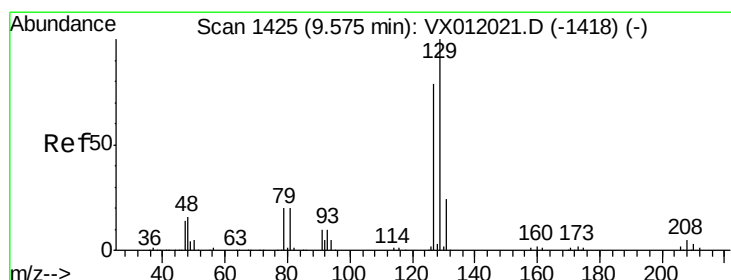
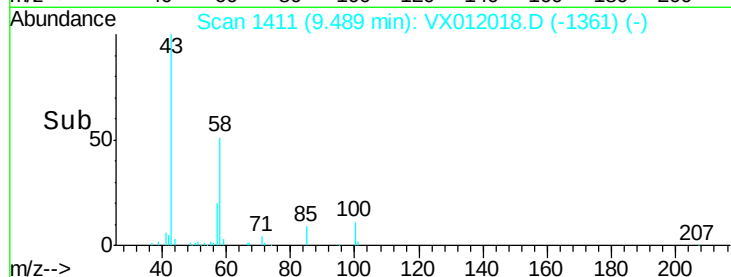
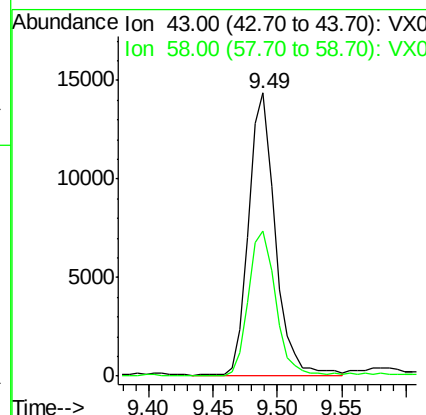
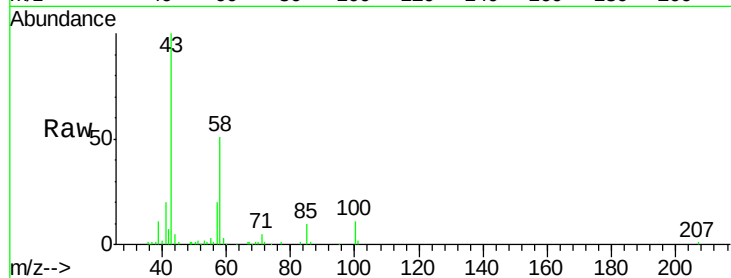
#59
2-Hexanone
Concen: 27.032 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 20682
Ion Ratio Lower Upper
43 100
58 52.3 27.3 81.8

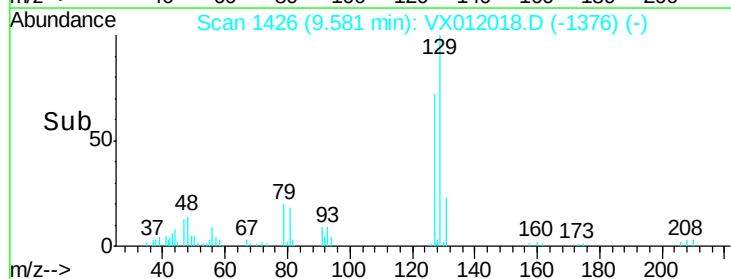
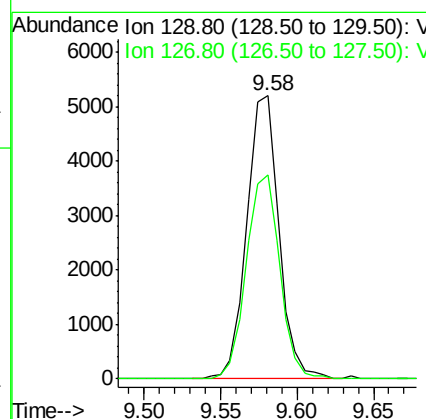
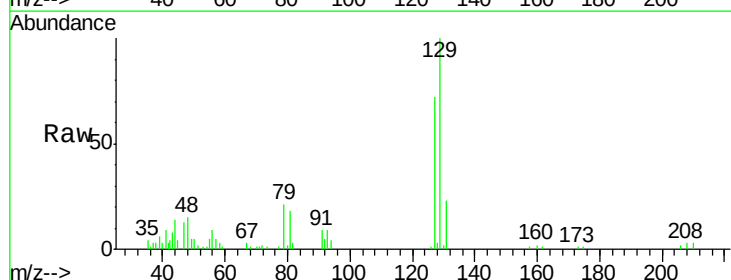
Manual Integrations
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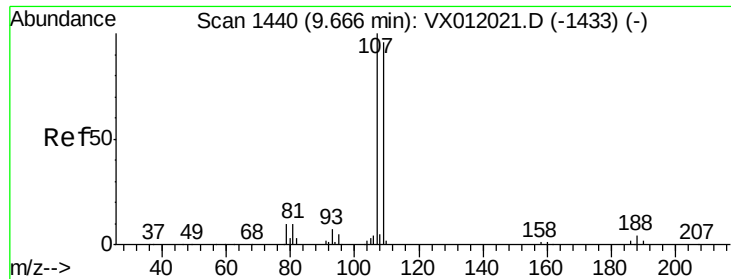
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#60
Dibromochloromethane
Concen: 4.160 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion: 129 Resp: 7600
Ion Ratio Lower Upper
129 100
127 75.1 38.4 115.2





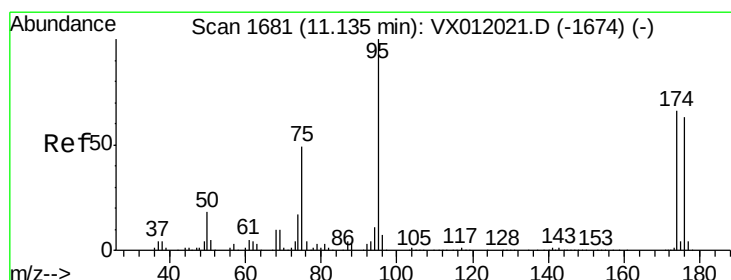
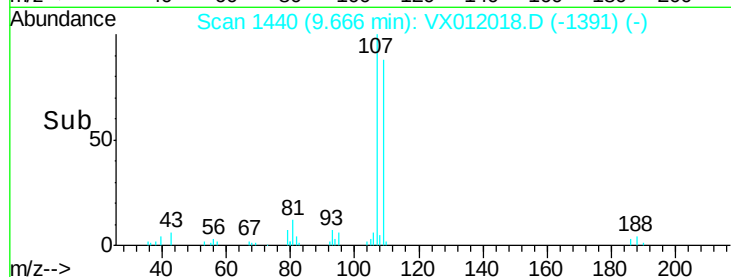
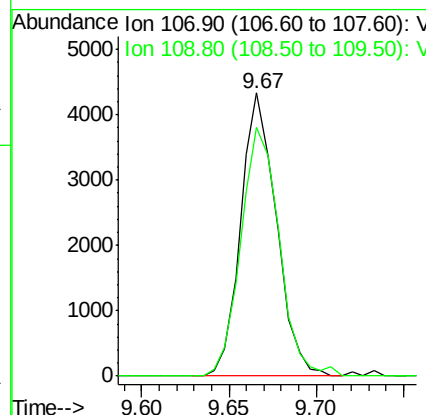
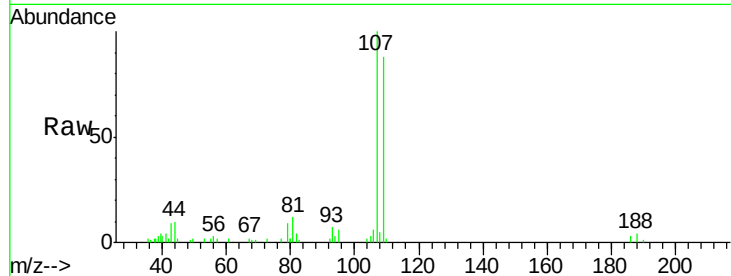
#61
 1,2-Dibromoethane
 Concen: 4.689 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.5	113.3

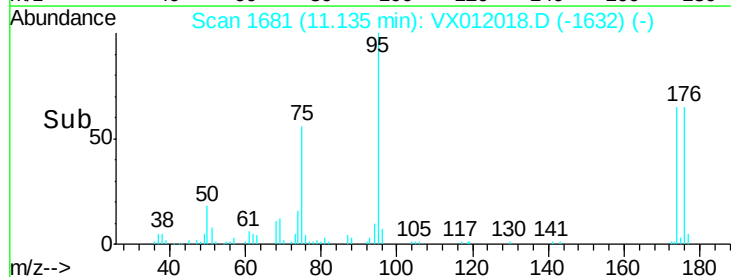
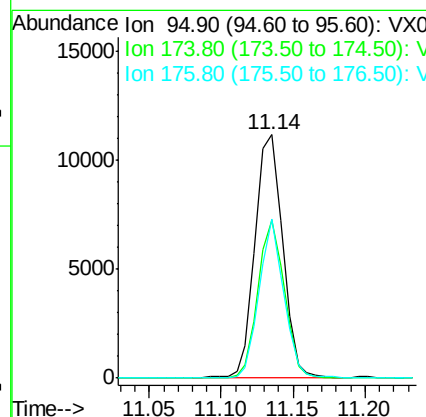
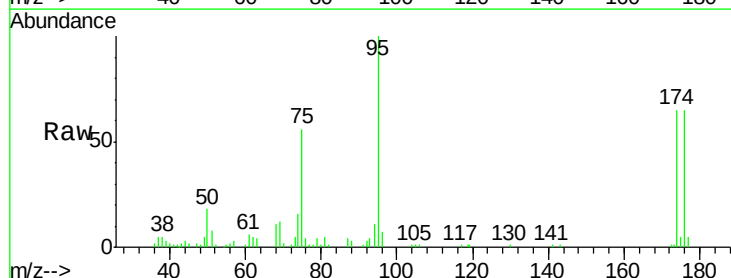
Manual Integrations
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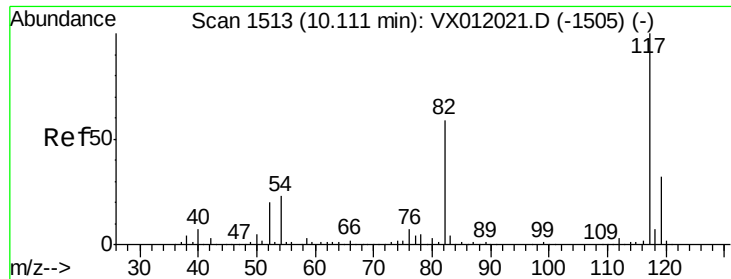
sam
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#62
 4-Bromofluorobenzene
 Concen: 5.509 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	61.5	0.0	125.2
176	58.0	0.0	119.0





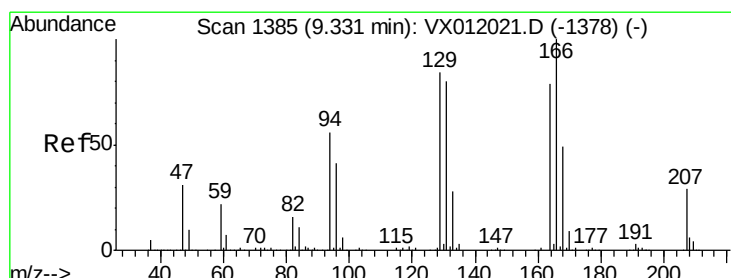
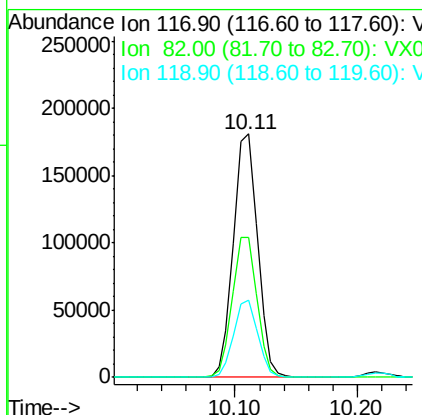
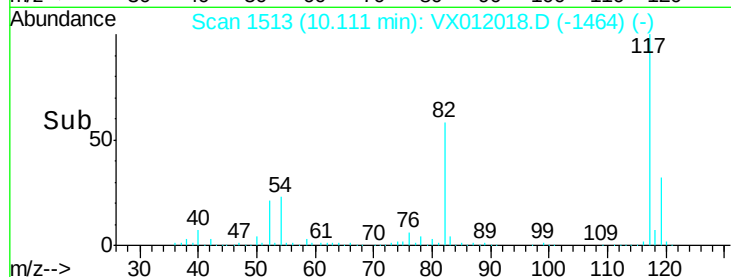
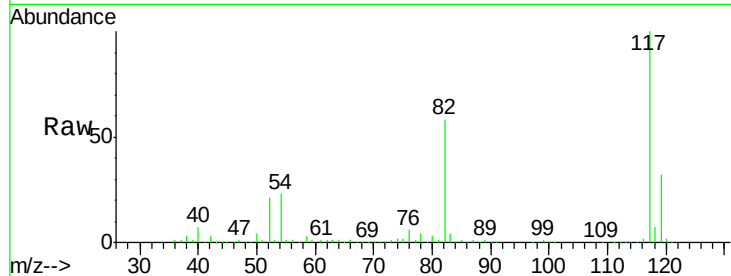
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.0	70.4
119	31.9	25.4	38.0

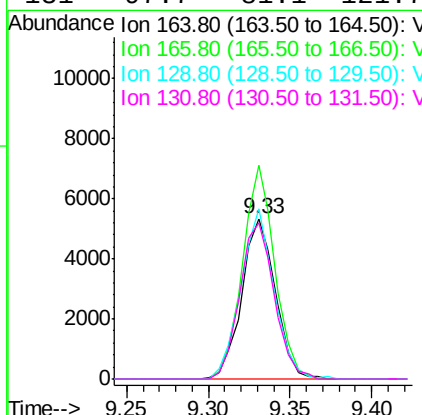
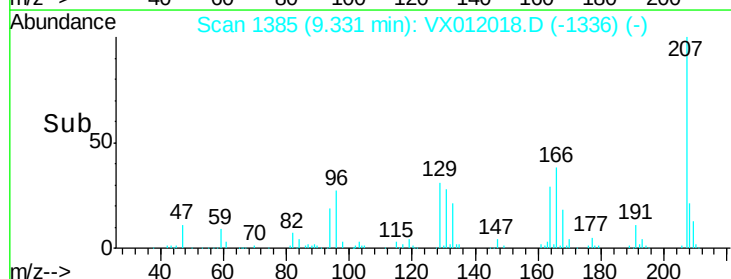
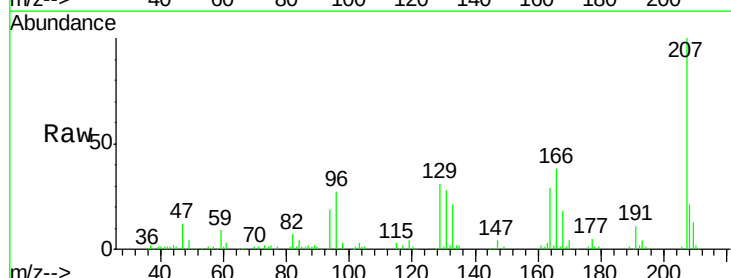
Manual Integrations
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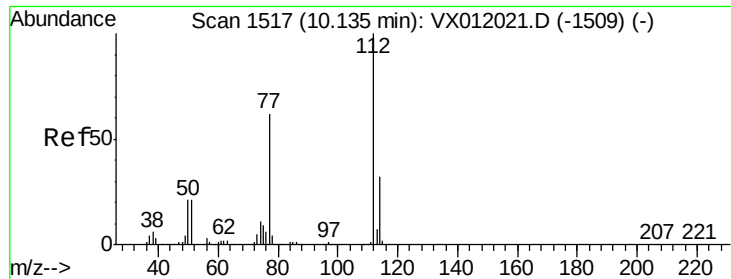
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#64
Tetrachloroethene
Concen: 3.764 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.5	100.9	151.3
129	106.6	85.1	127.7
131	97.7	81.1	121.7





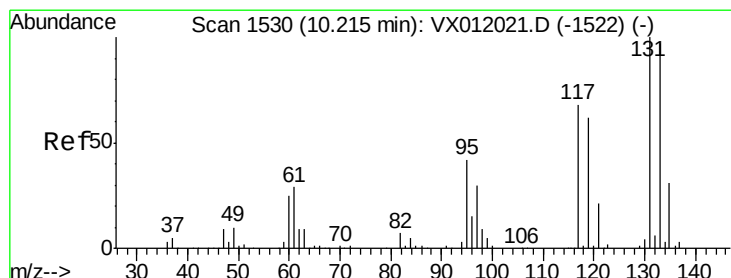
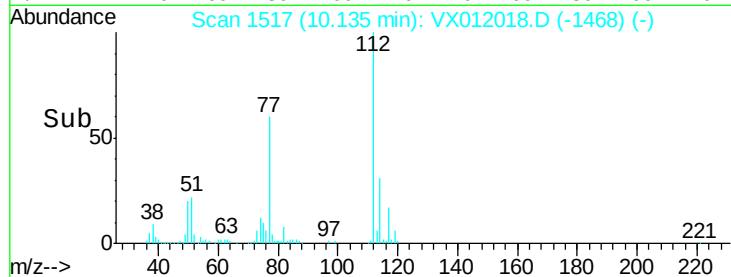
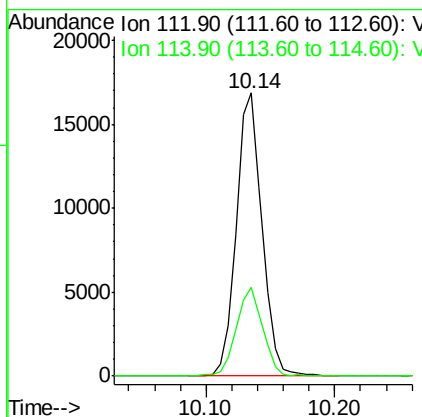
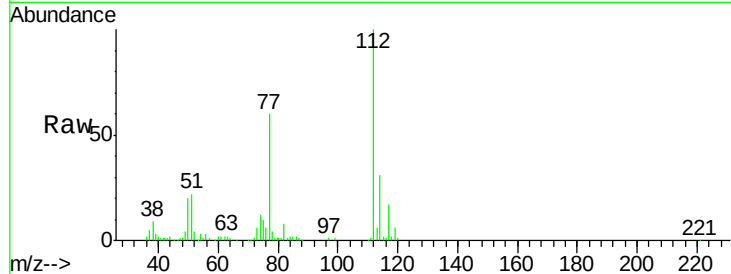
#65
Chlorobenzene
Concen: 4.979 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 23318
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0

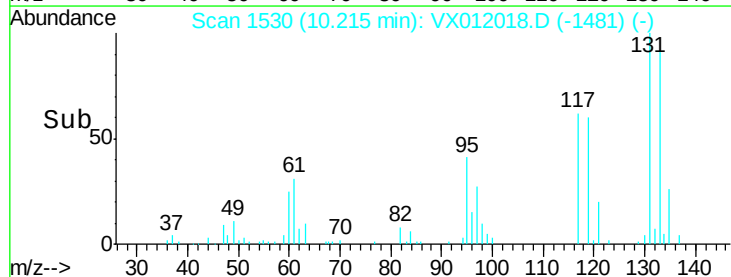
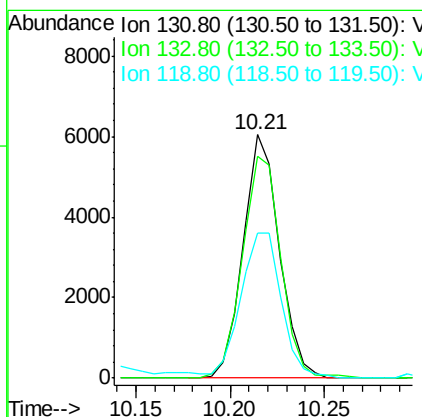
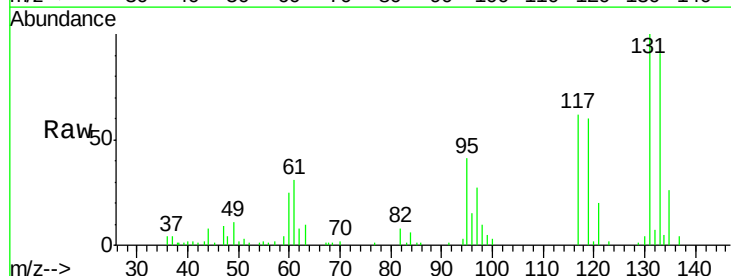
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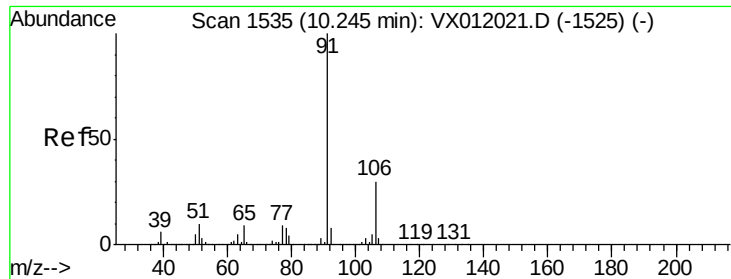
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.285 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion:131 Resp: 8054
Ion Ratio Lower Upper
131 100
133 96.5 48.6 145.8
119 67.2 32.5 97.4





#67

Ethyl Benzene

Concen: 5.407 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 42784

Ion Ratio Lower Upper

91 100

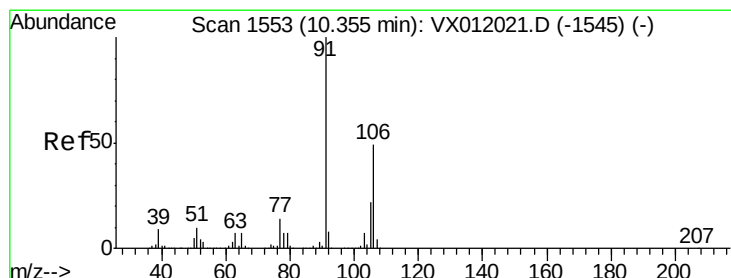
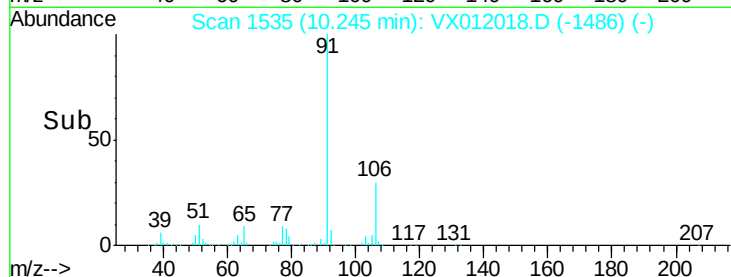
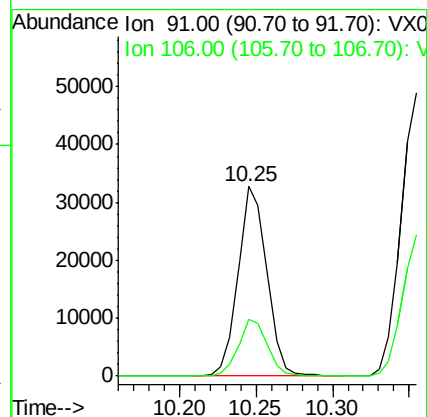
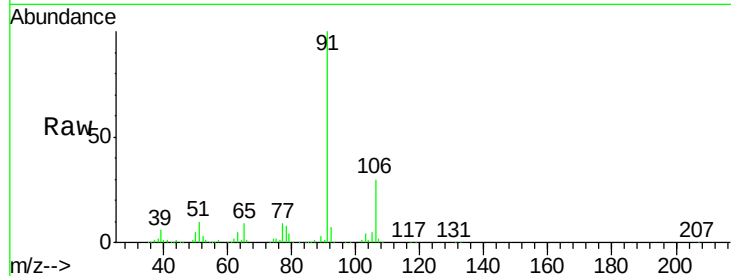
106 29.8 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 10.231 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012018.D

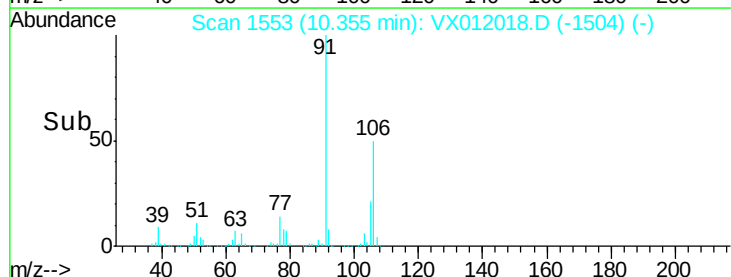
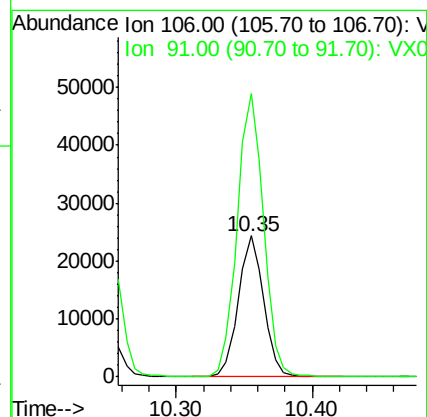
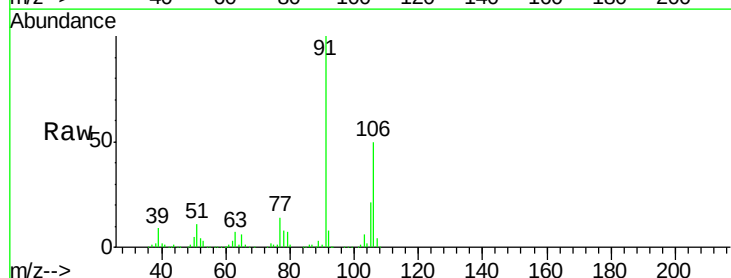
Acq: 03 Sep 2019 12:45

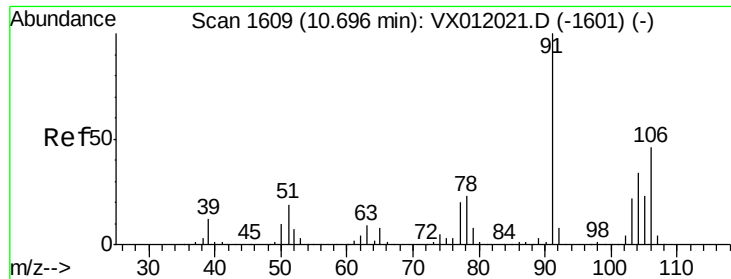
Tgt Ion: 106 Resp: 31787

Ion Ratio Lower Upper

106 100

91 206.3 166.9 250.3





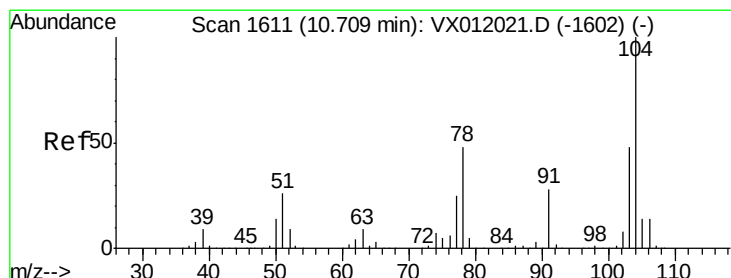
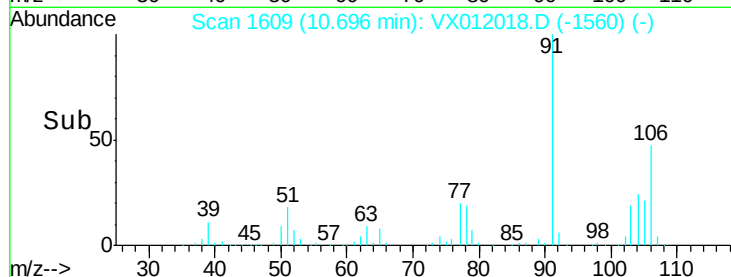
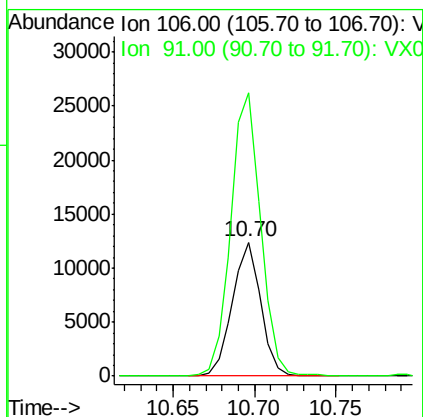
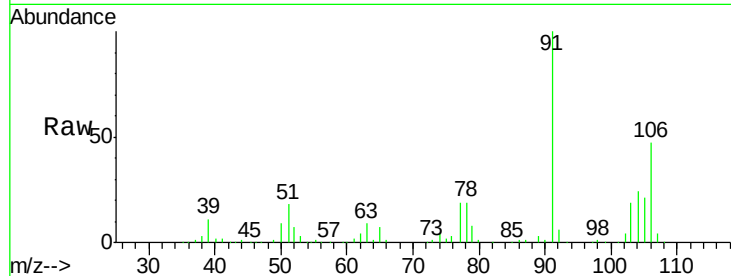
#69
o-Xylene
Concen: 4.990 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 15039
Ion Ratio Lower Upper
106 100
91 221.4 110.3 331.0

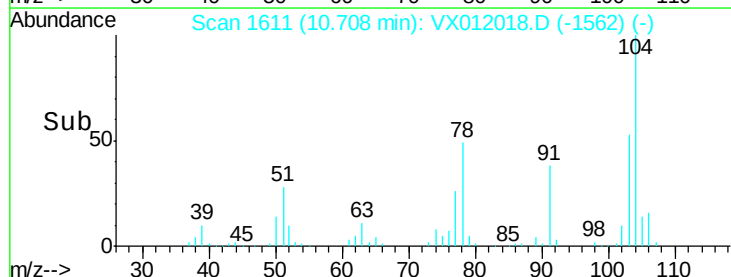
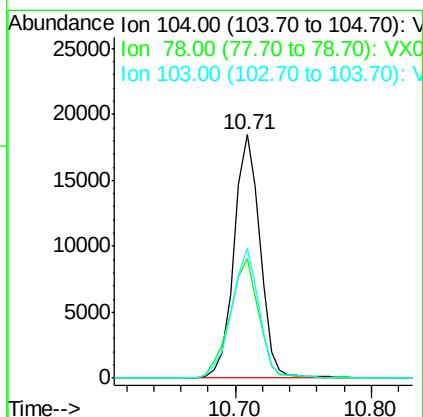
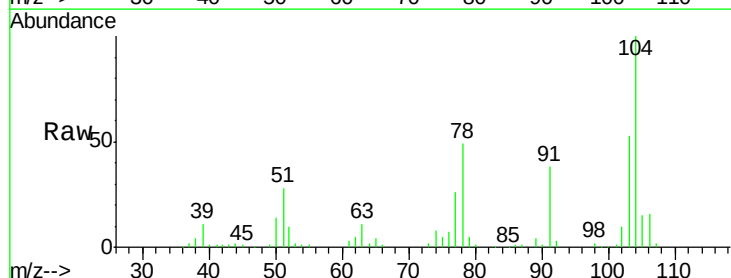
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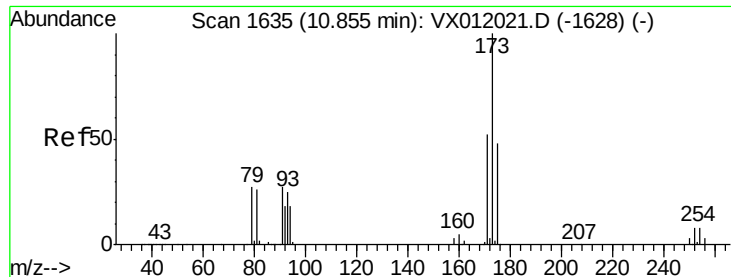
sam
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#70
Styrene
Concen: 4.759 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion:104 Resp: 24608
Ion Ratio Lower Upper
104 100
78 55.1 43.4 65.2
103 56.5 42.9 64.3





#71

Bromoform

Concen: 3.103 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 4046

Ion Ratio Lower Upper

173 100

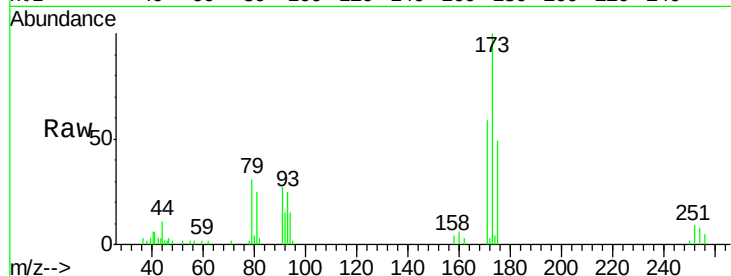
175 50.9 24.1 72.3

254 0.0 0.0 0.0

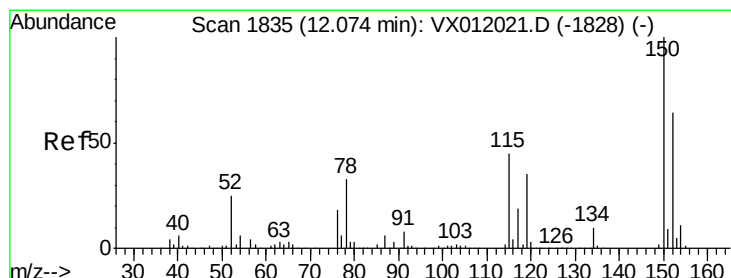
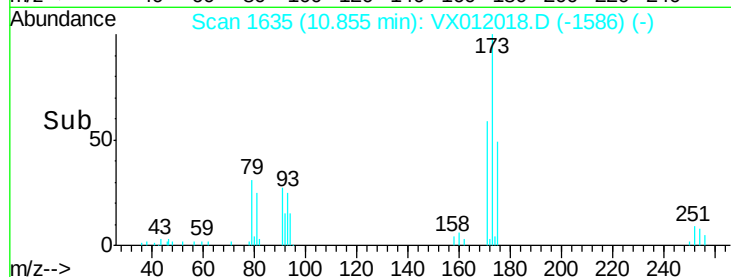
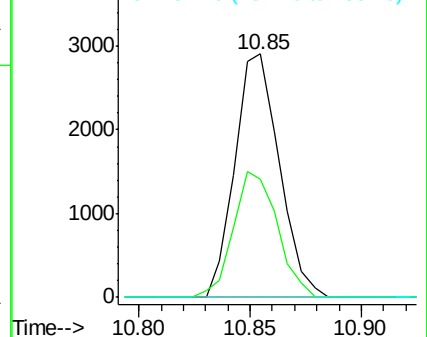
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

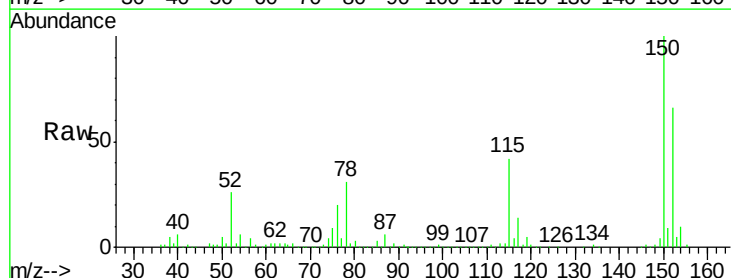
Tgt Ion:152 Resp: 118153

Ion Ratio Lower Upper

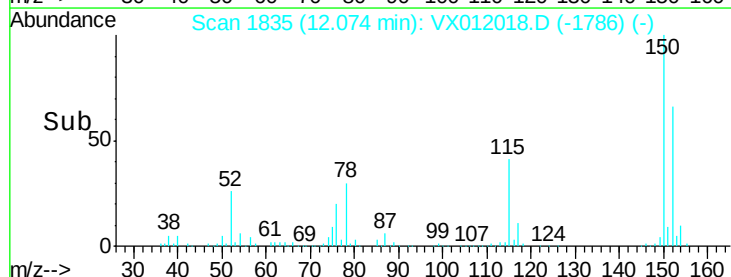
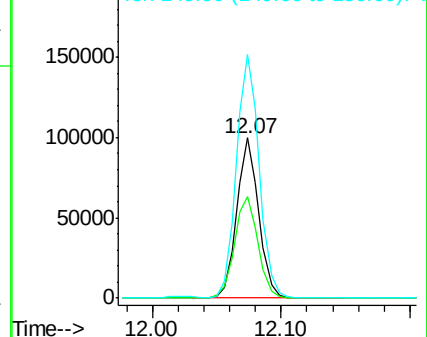
152 100

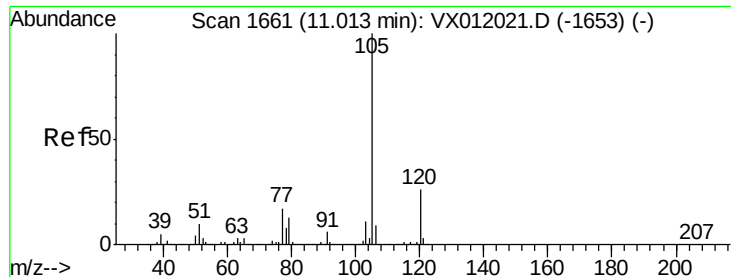
115 67.9 45.5 136.5

150 158.8 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.270 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 41339

Ion Ratio Lower Upper

105 100

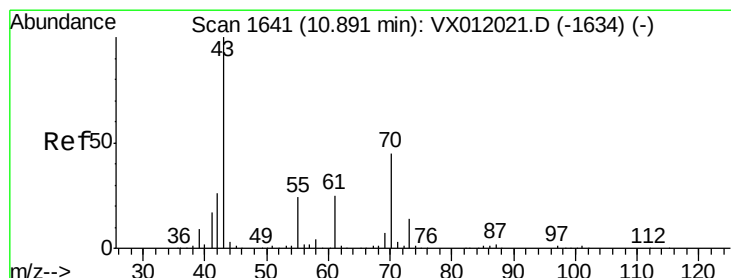
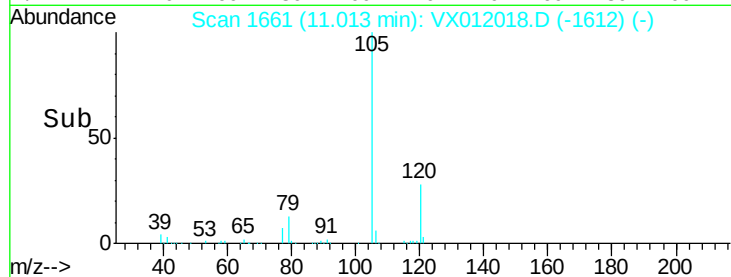
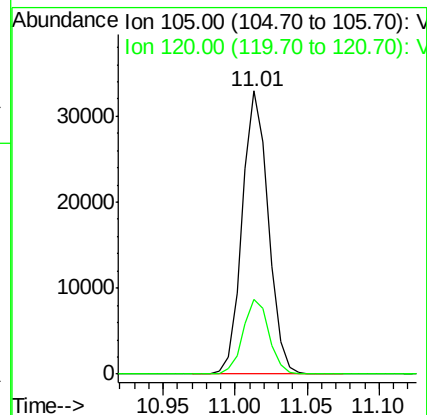
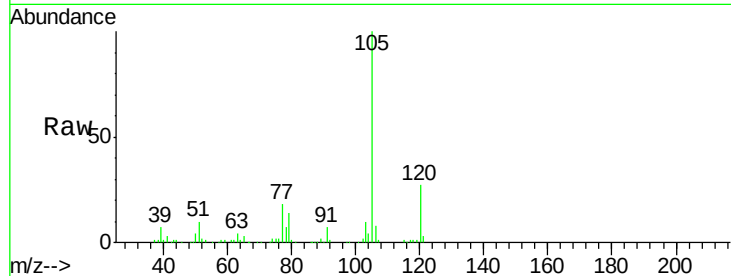
120 26.5 12.9 38.7

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#74

N-ethyl acetate

Concen: 6.441 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion: 43 Resp: 10589

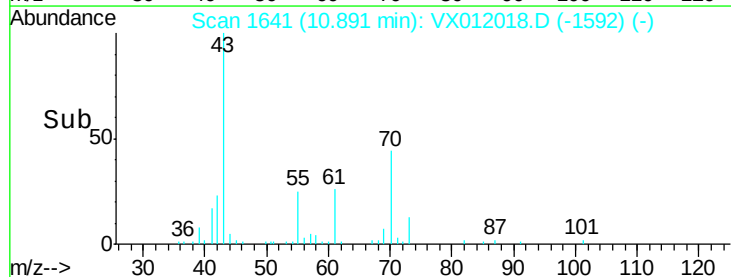
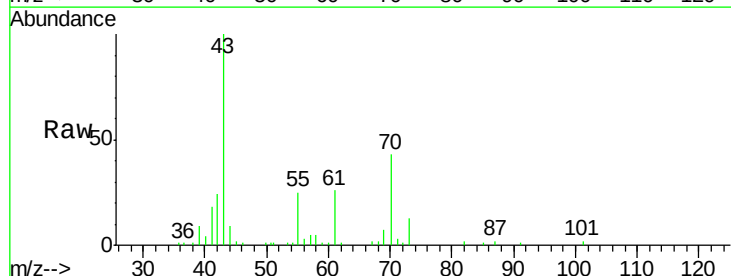
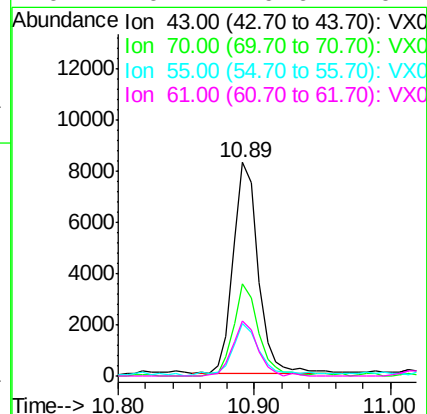
Ion Ratio Lower Upper

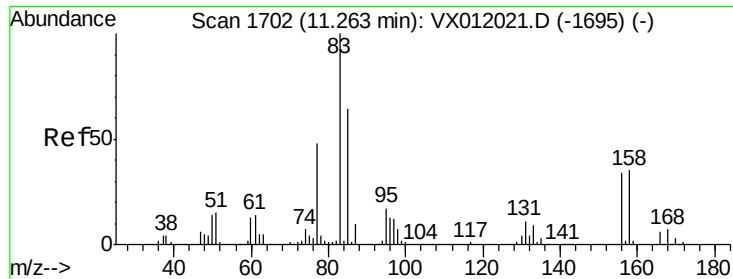
43 100

70 43.8 34.7 52.1

55 28.8 19.2 28.8#

61 26.4 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 6.444 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

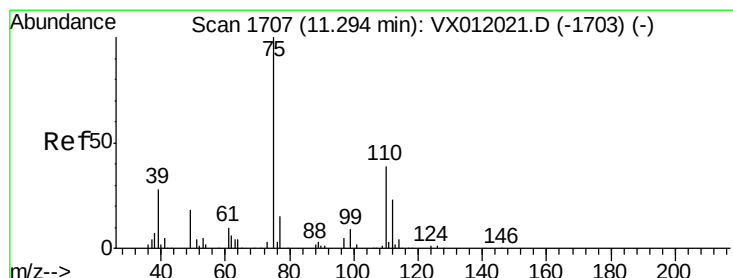
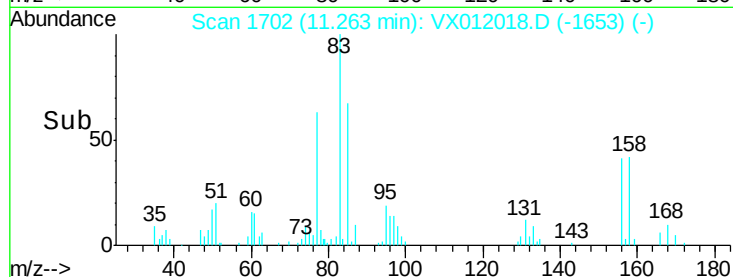
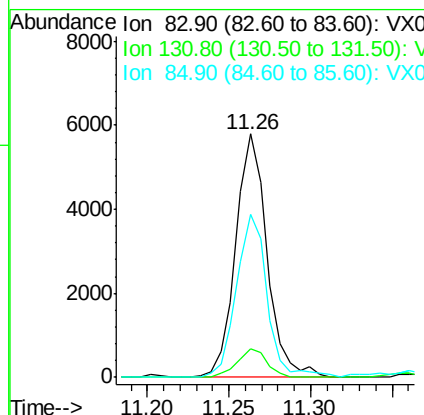
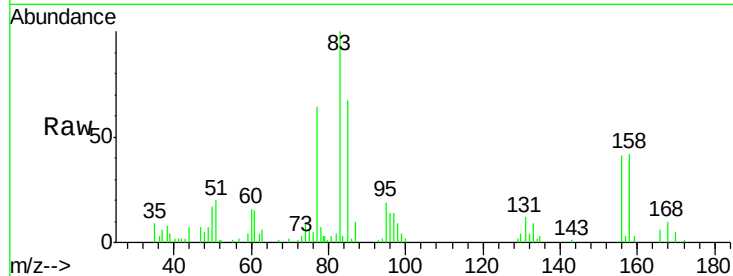
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	7778
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.5	16.4
85	65.6	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 7.180 ug/l m

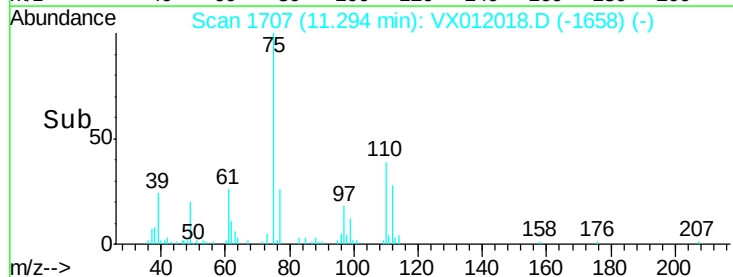
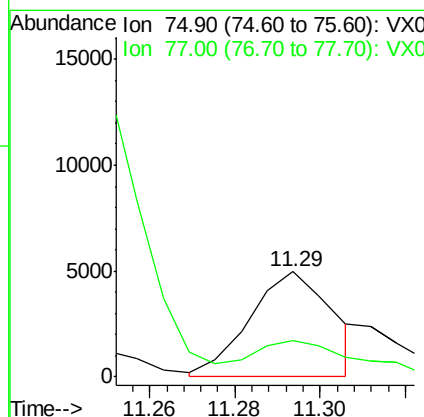
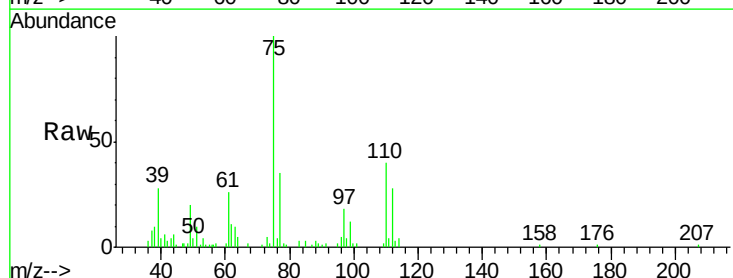
RT: 11.29 min Scan# 1707

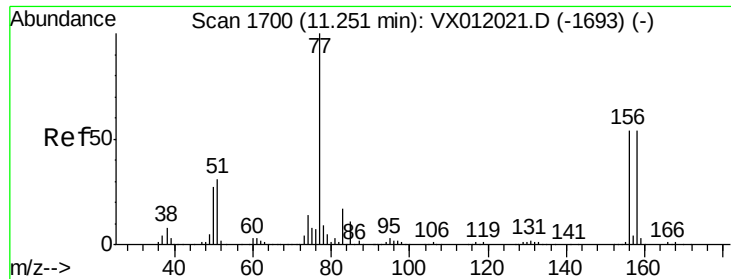
Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	75	Resp:	6715
Ion	Ratio	Lower	Upper
75	100		
77	44.8	22.6	67.8





#77

Bromobenzene

Concen: 4.580 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

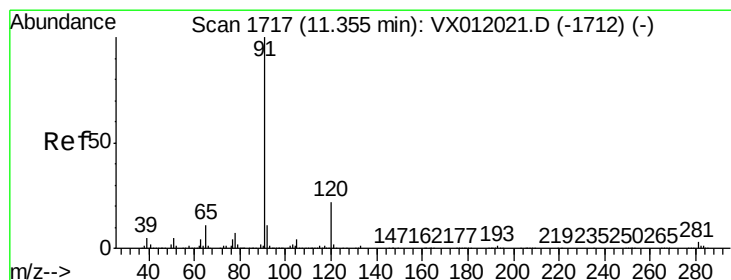
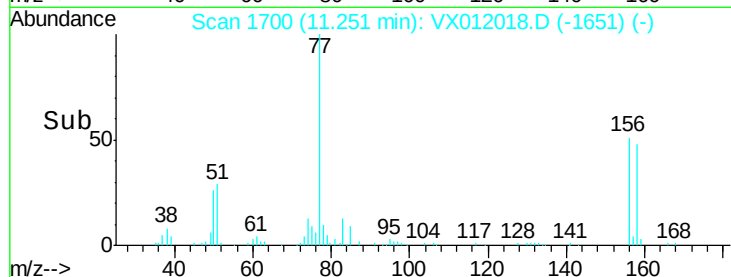
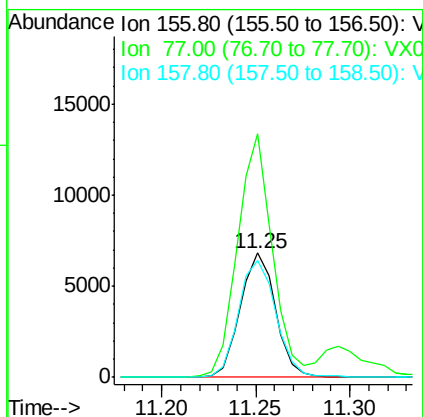
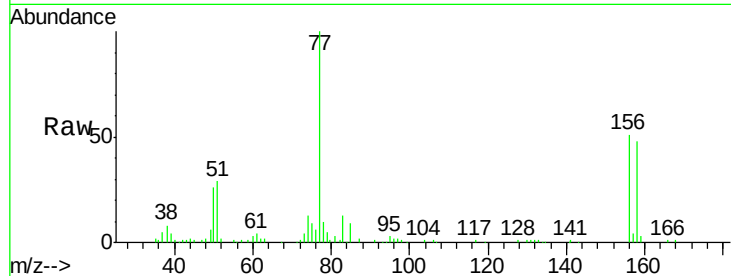
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	8829
Ion	Ratio	Lower	Upper
156	100		
77	193.1	93.5	280.6
158	100.4	47.9	143.7

Manual Integrations
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sam
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#78

n-propylbenzene

Concen: 6.770 ug/l

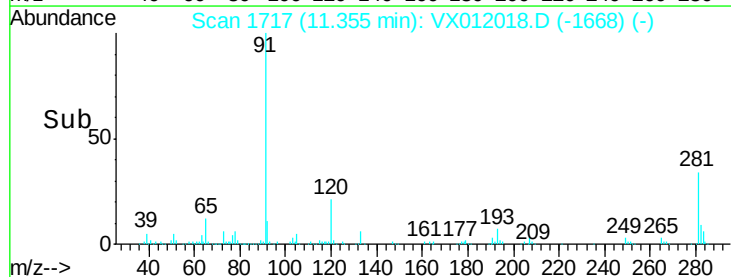
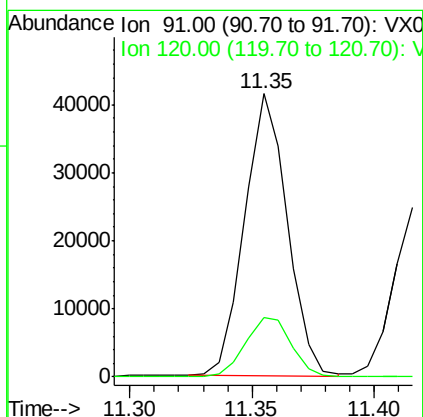
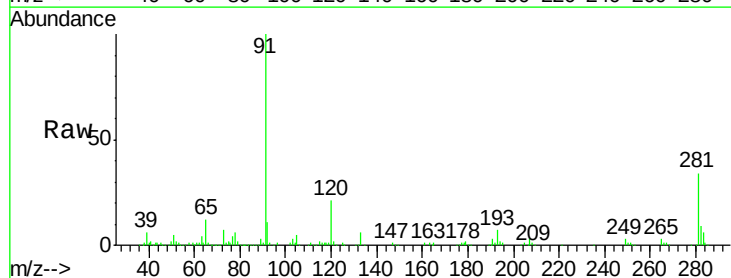
RT: 11.35 min Scan# 1717

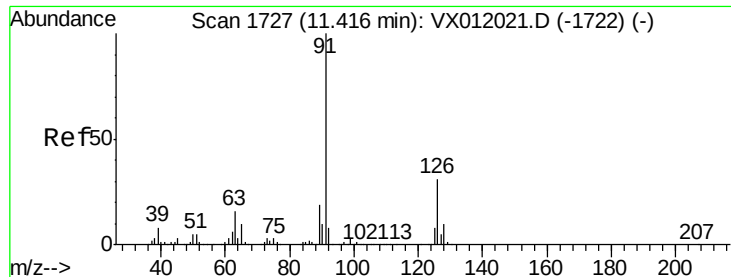
Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	91	Resp:	50228
Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79

2-Chlorotoluene

Concen: 7.009 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 30788

Ion Ratio Lower Upper

91 100

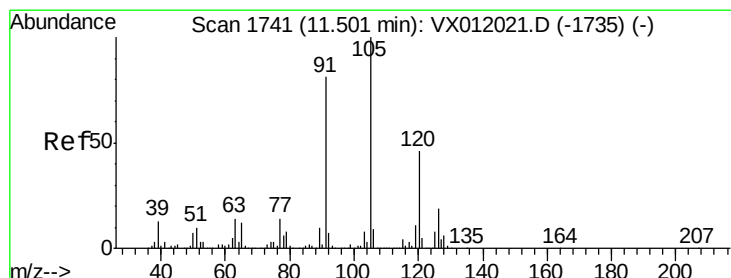
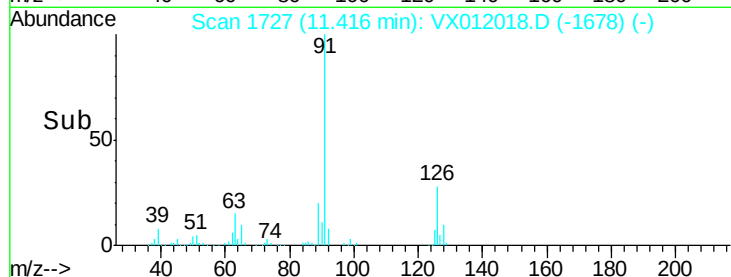
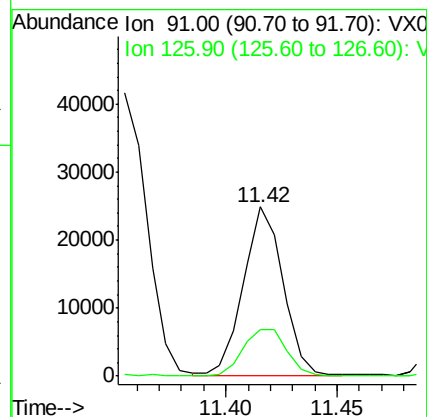
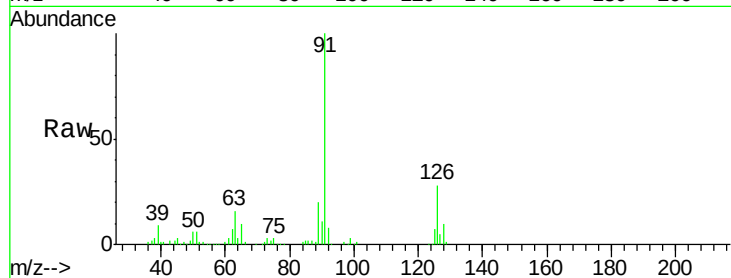
126 31.1 15.9 47.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 6.492 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012018.D

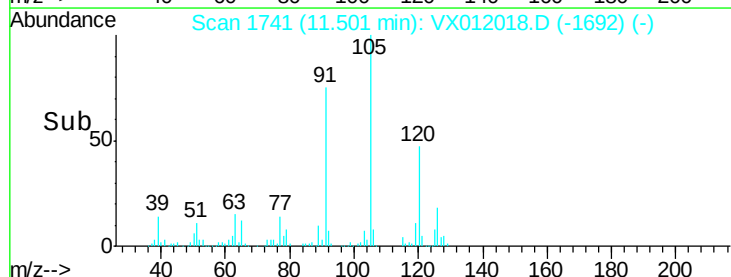
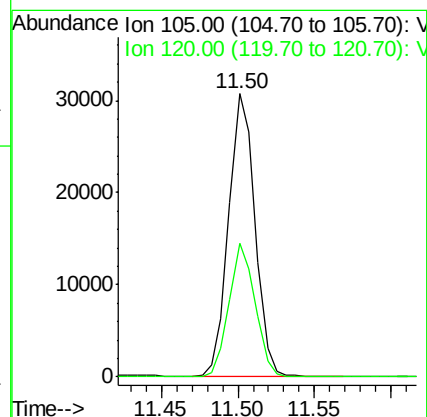
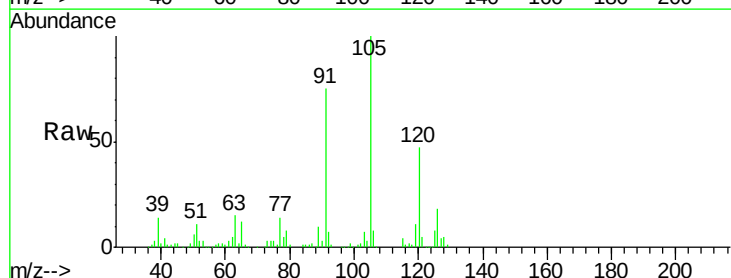
Acq: 03 Sep 2019 12:45

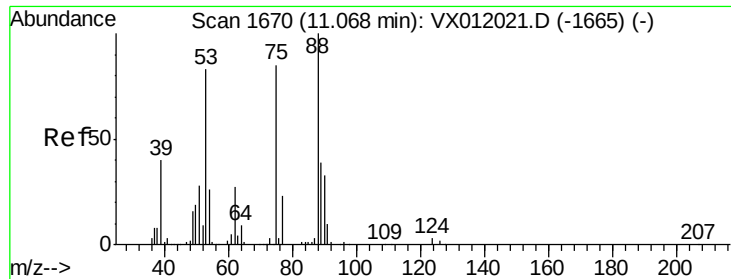
Tgt Ion: 105 Resp: 36922

Ion Ratio Lower Upper

105 100

120 46.8 23.8 71.2





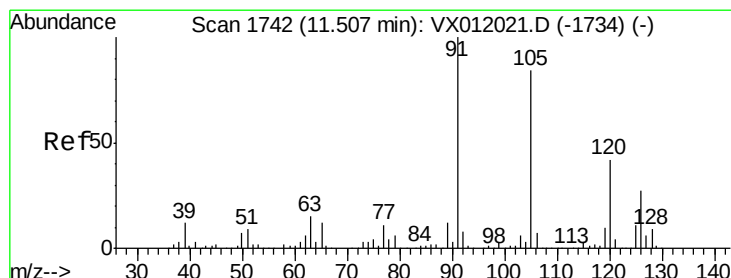
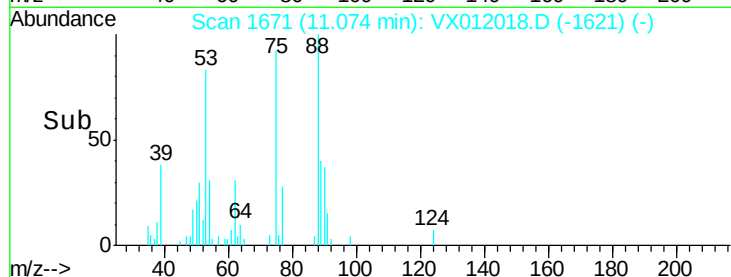
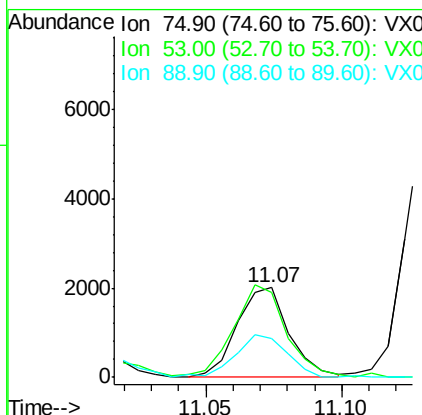
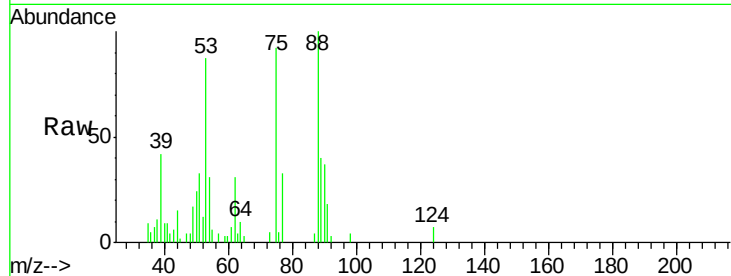
#81
trans-1,4-Dichloro-2-butene
Concen: 6.740 ug/l
RT: 11.07 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	80.8	121.2
89	47.4	38.2	57.4

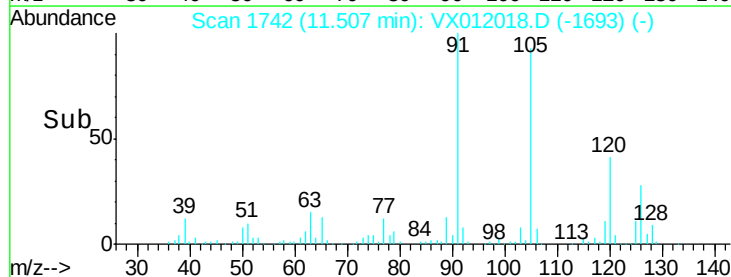
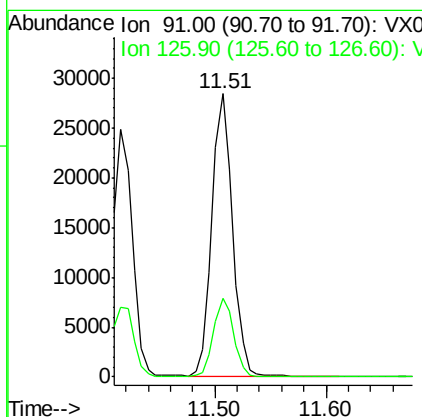
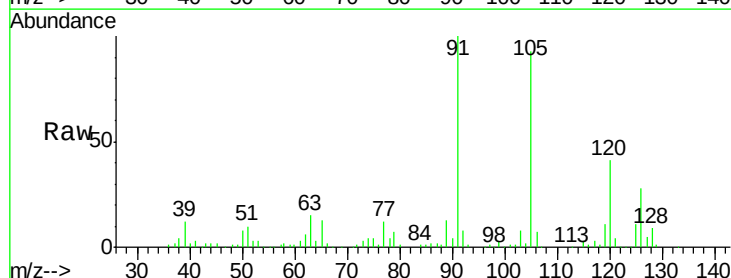
Manual Integrations
APPROVED

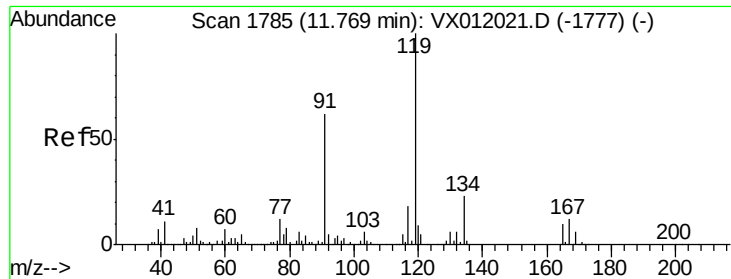
sam
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#82
4-Chlorotoluene
Concen: 7.000 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.0	13.5	40.4





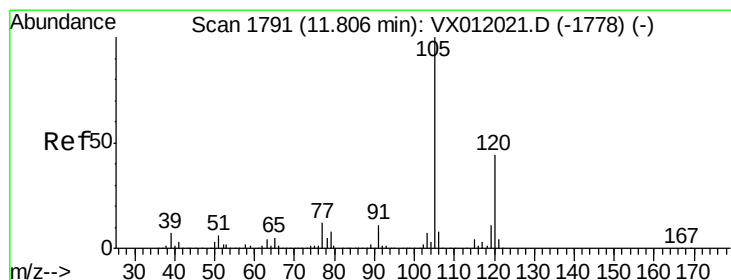
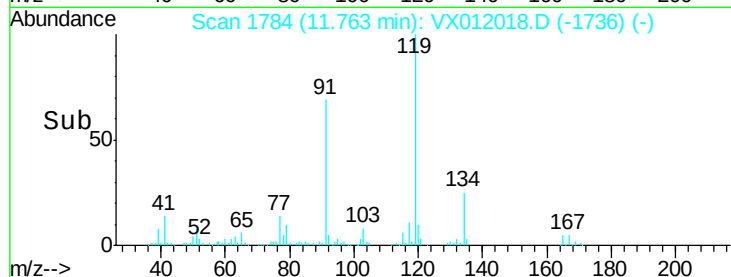
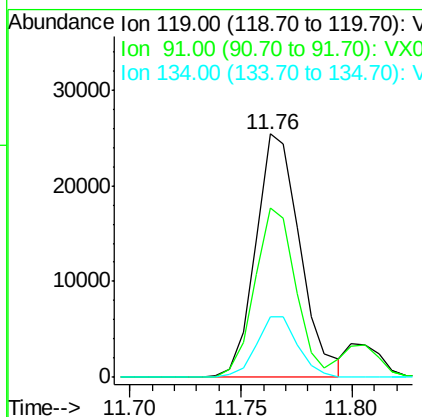
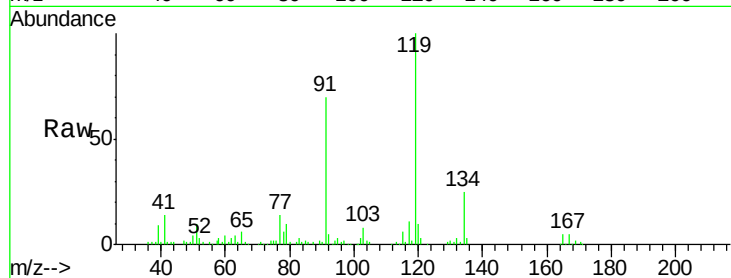
#83
 tert-Butylbenzene
 Concen: 5.969 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	31.7	95.1
134	23.3	11.2	33.6

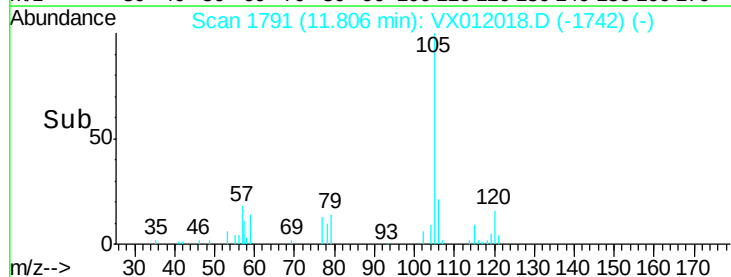
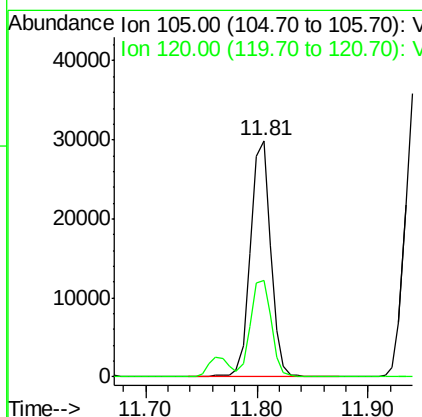
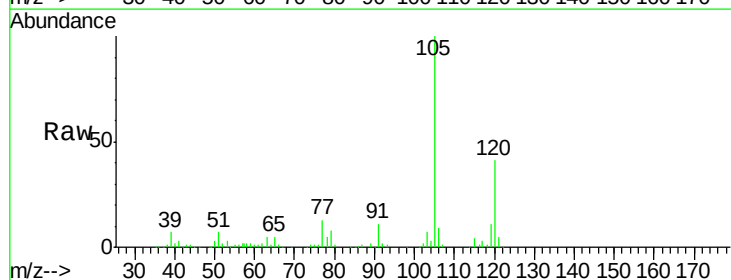
Manual Integrations
 APPROVED

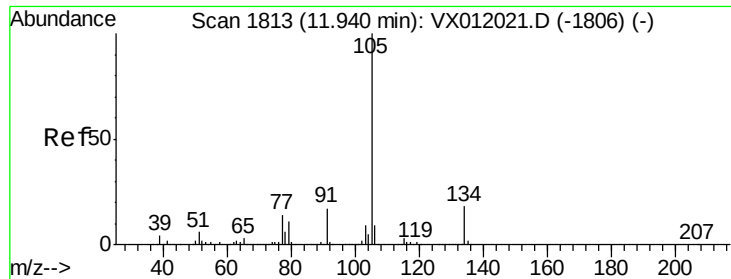
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 6.603 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.5	21.5	64.5





#85

sec-Butylbenzene

Concen: 6.648 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 44895

Ion Ratio Lower Upper

105 100

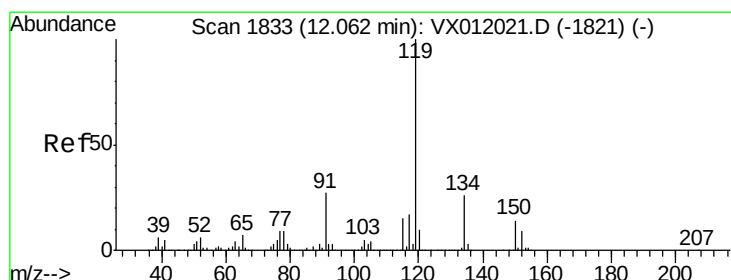
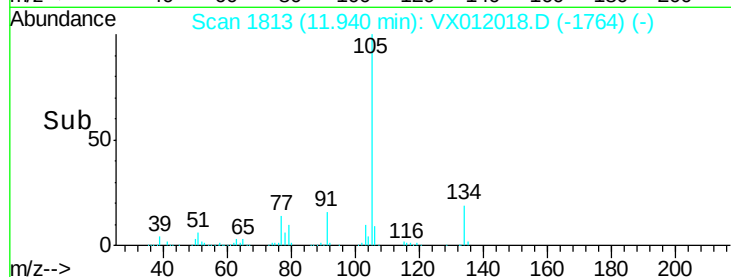
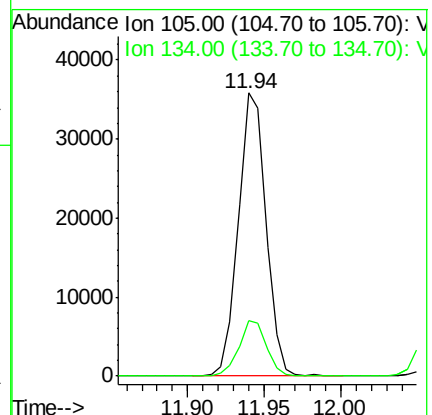
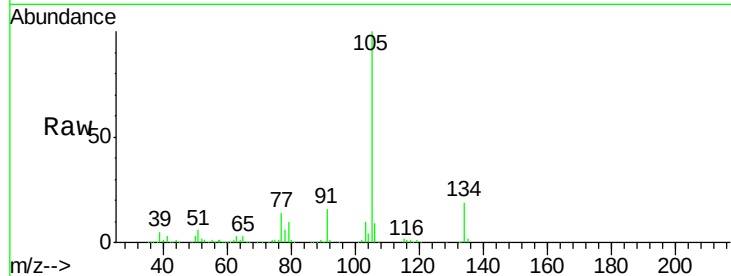
134 19.4 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 6.131 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

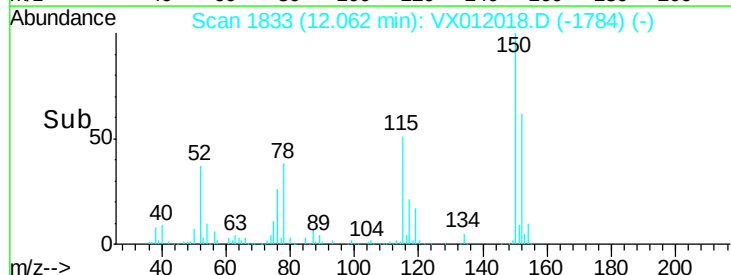
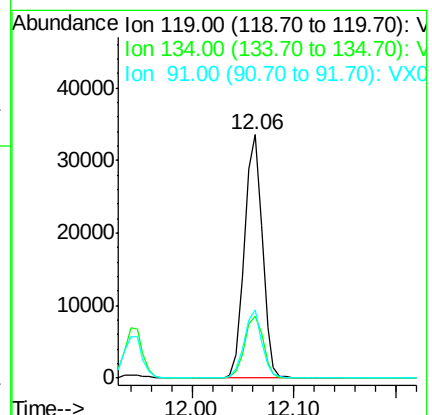
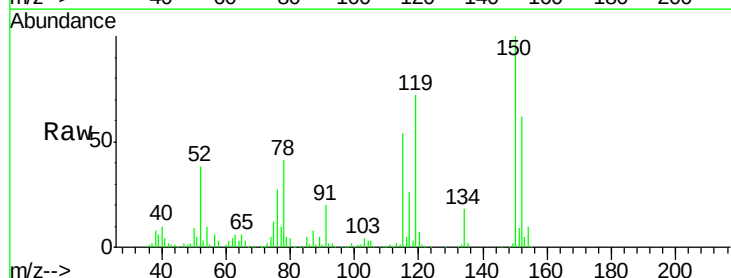
Tgt Ion:119 Resp: 40534

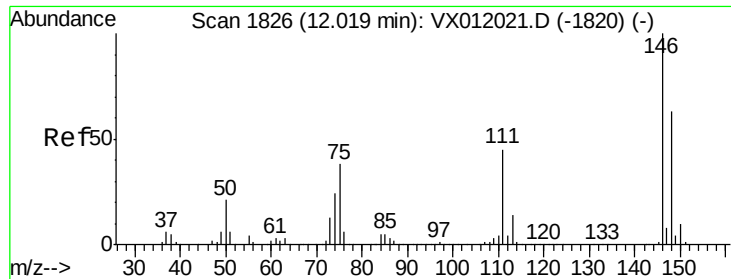
Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.3

91 27.9 13.3 39.8





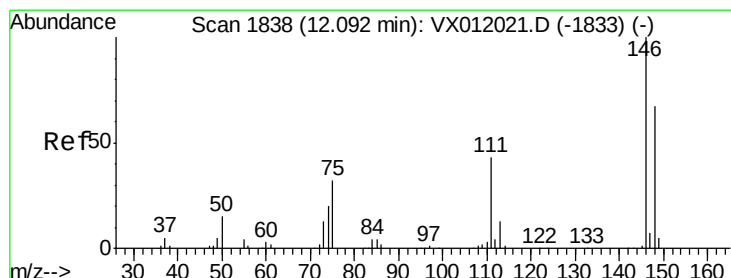
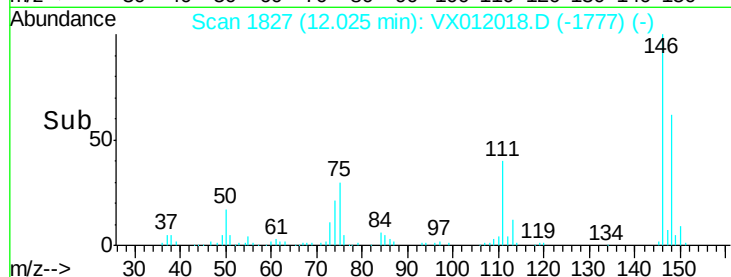
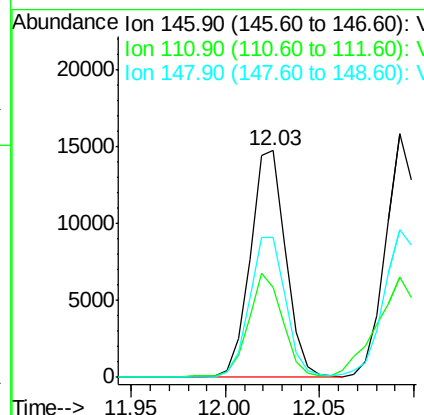
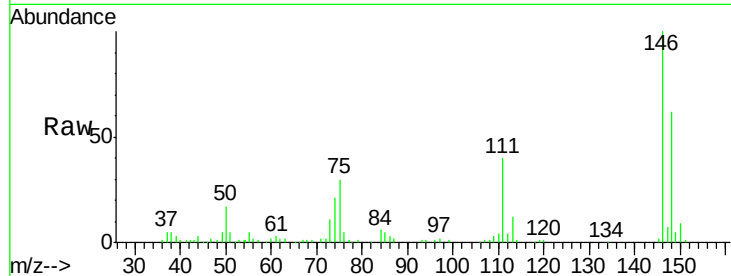
#87
 1,3-Dichlorobenzene
 Concen: 5.316 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.4	67.2
148	63.3	31.8	95.3

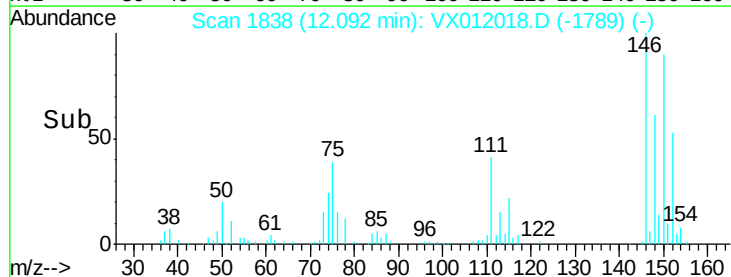
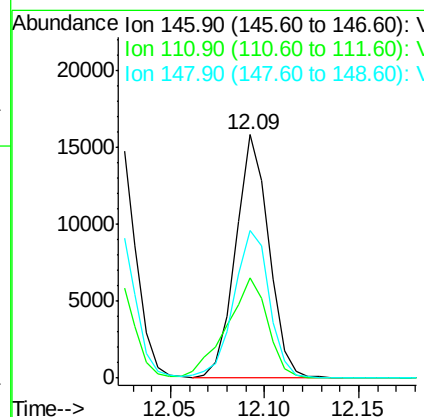
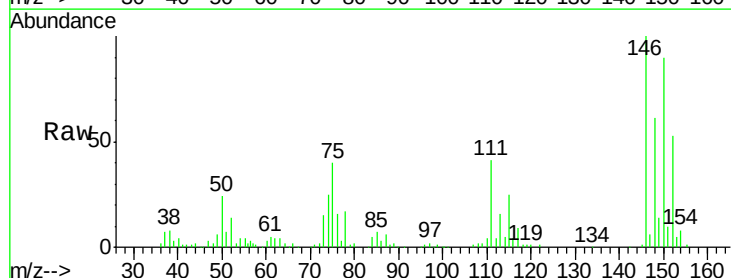
Manual Integrations
 APPROVED

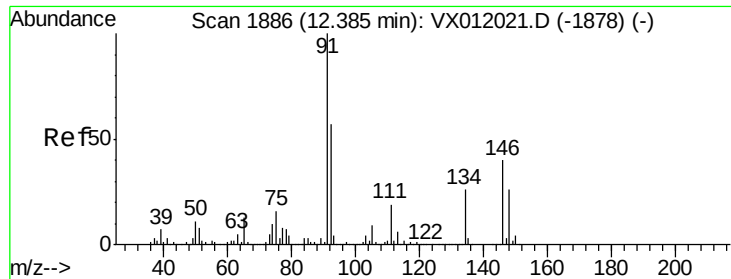
sam
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#88
 1,4-Dichlorobenzene
 Concen: 5.398 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.7	21.8	65.3
148	65.6	32.3	96.8





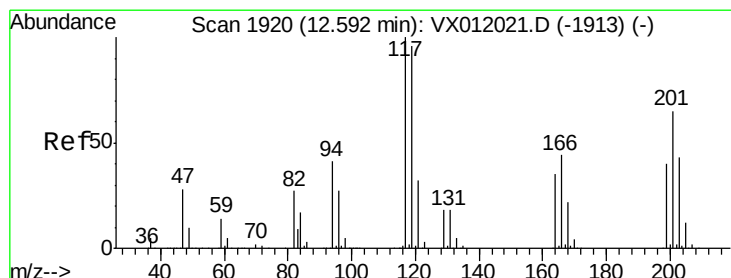
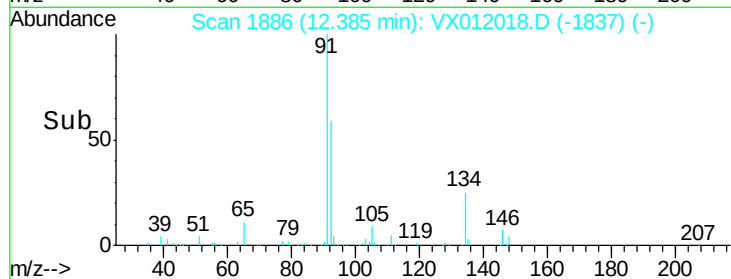
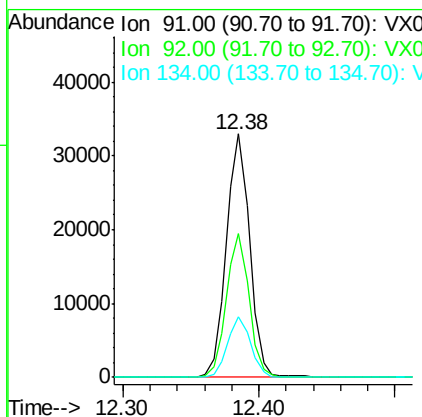
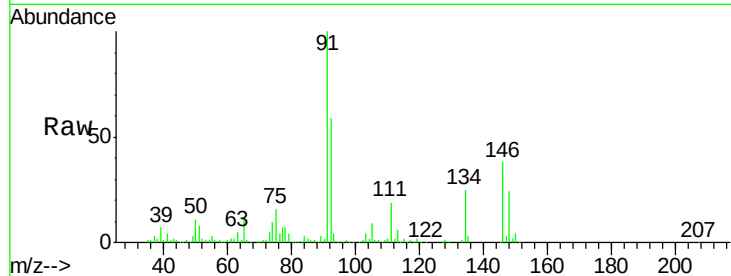
#89
n-Butylbenzene
Concen: 6.879 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.4	28.1	84.3
134	24.6	12.9	38.7

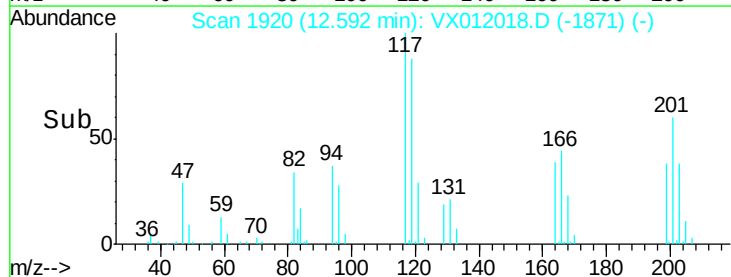
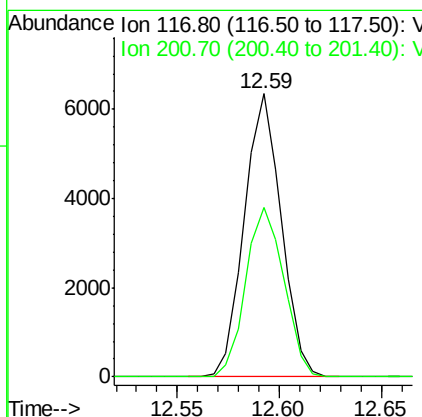
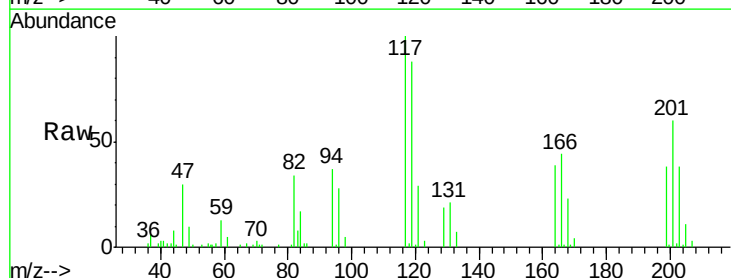
Manual Integrations
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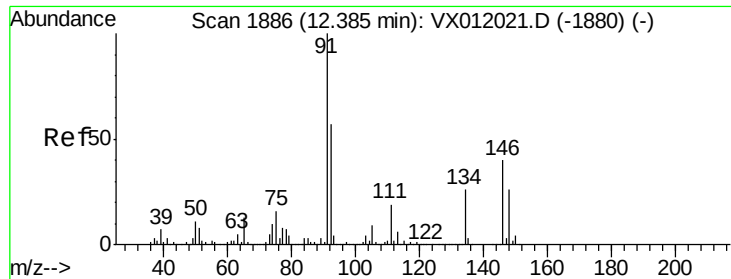
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#90
Hexachloroethane
Concen: 6.452 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012018.D
Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.9	32.6	97.8





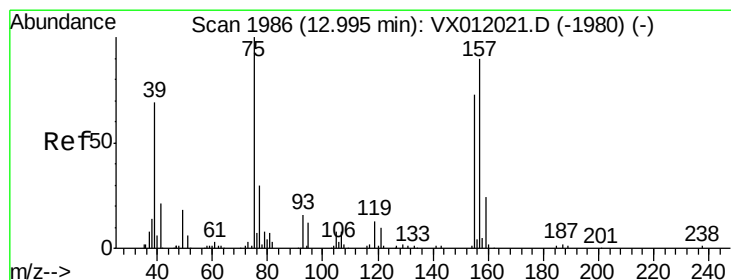
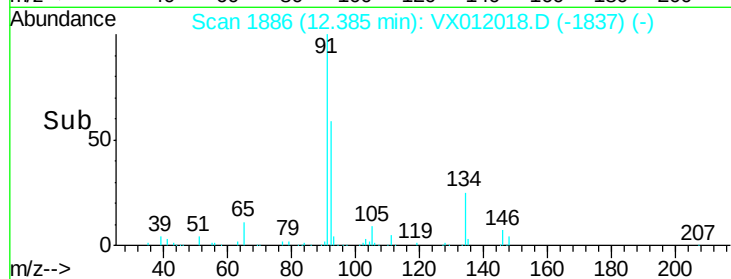
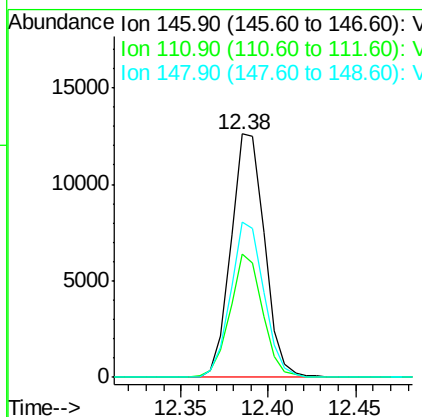
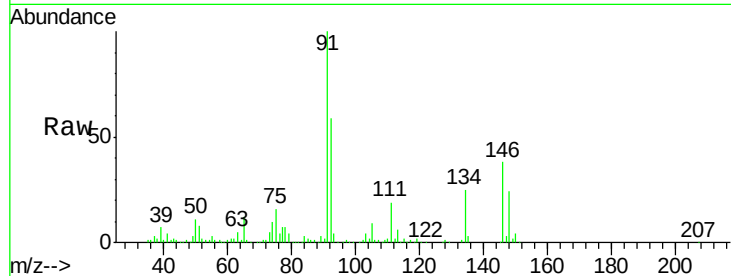
#91
 1,2-Dichlorobenzene
 Concen: 5.157 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	23.3	69.9
148	63.0	32.0	96.0

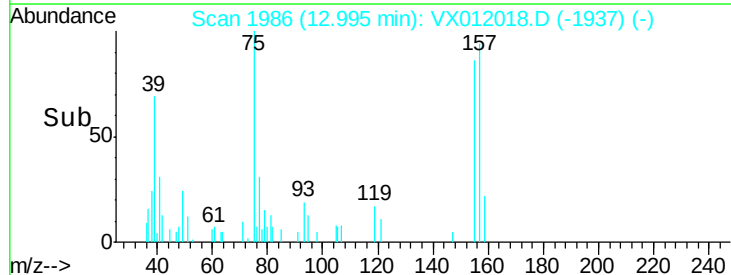
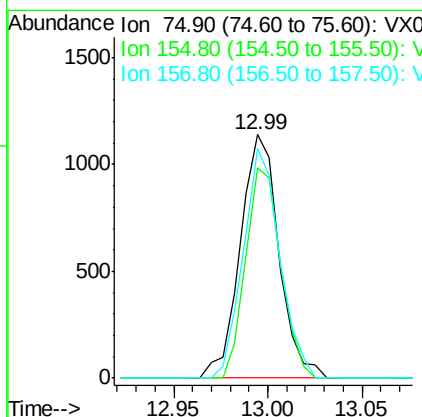
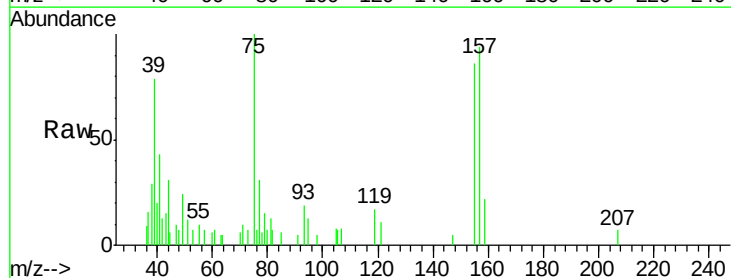
Manual Integrations
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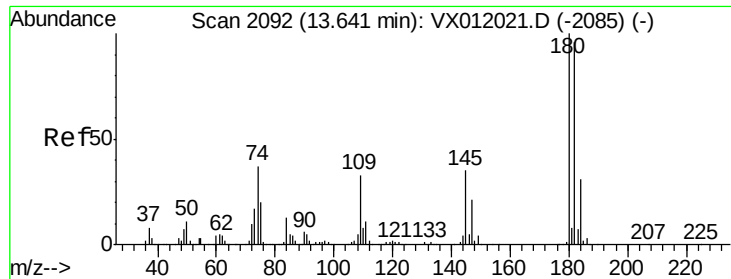
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.852 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	35.5	106.5
157	88.6	44.8	134.3





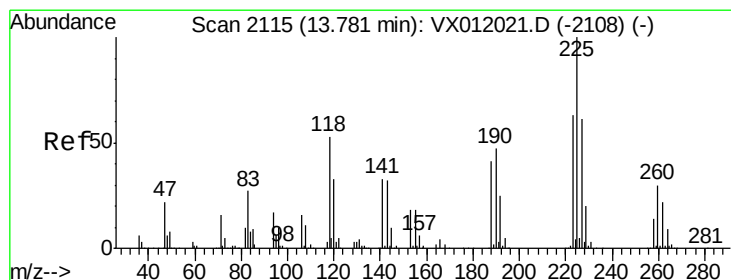
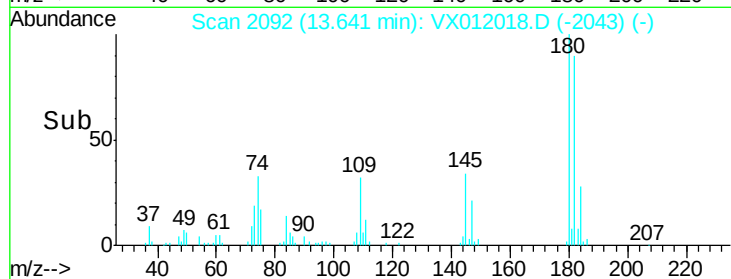
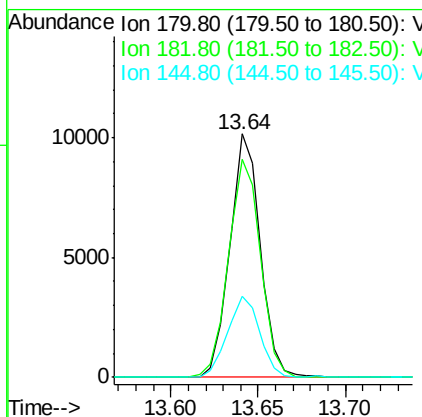
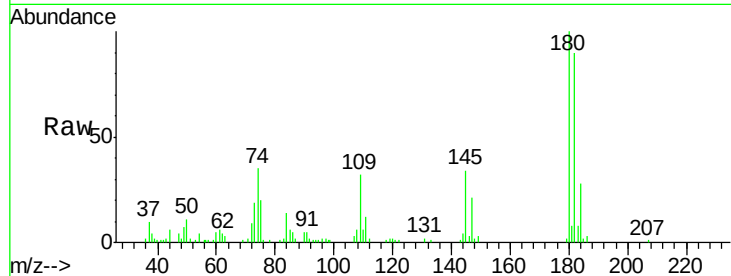
#93
 1,2,4-Trichlorobenzene
 Concen: 4.324 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	12279		
182	93.9	46.8	140.3	
145	35.2	17.5	52.6	

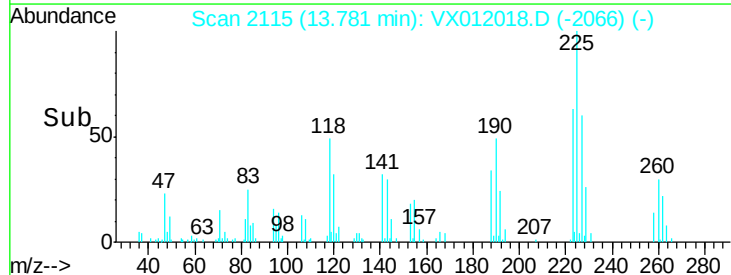
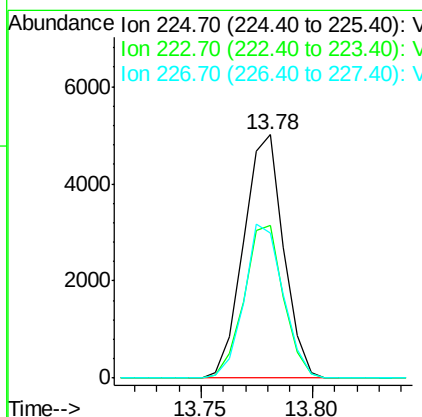
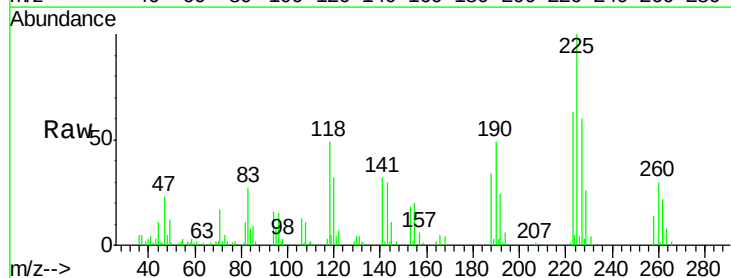
Manual Integrations
 APPROVED

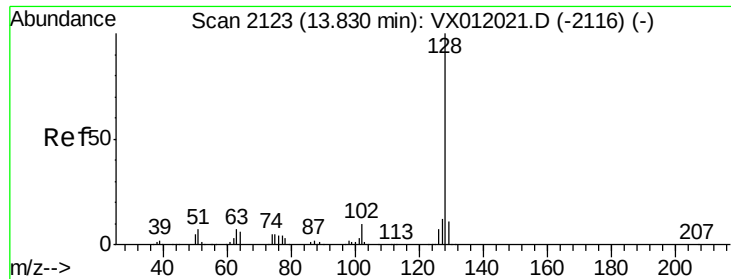
sam
 9/4/2019 4:45:38 PM



#94
 Hexachlorobutadiene
 Concen: 3.160 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012018.D
 Acq: 03 Sep 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	6270		
223	62.1	33.0	98.9	
227	61.6	30.6	91.8	





#95

Naphthalene

Concen: 5.418 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Instrument :

MSVOA_X

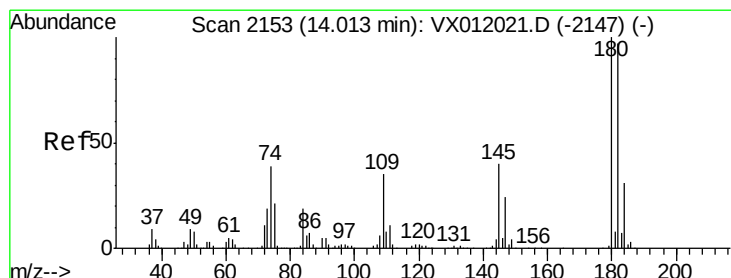
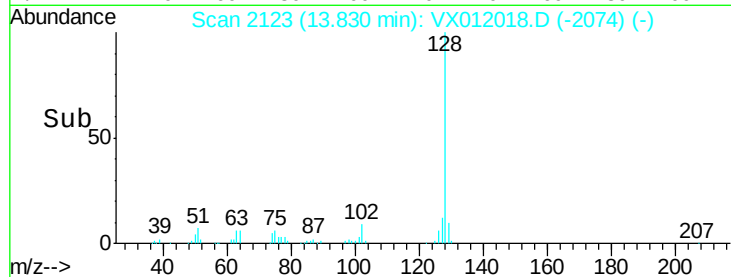
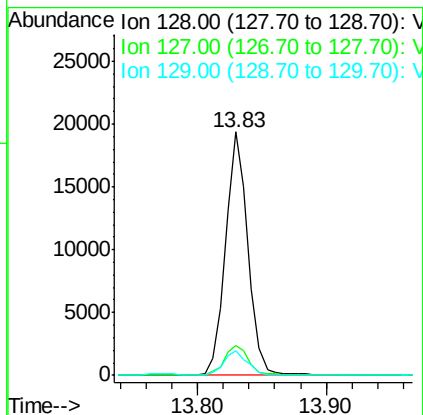
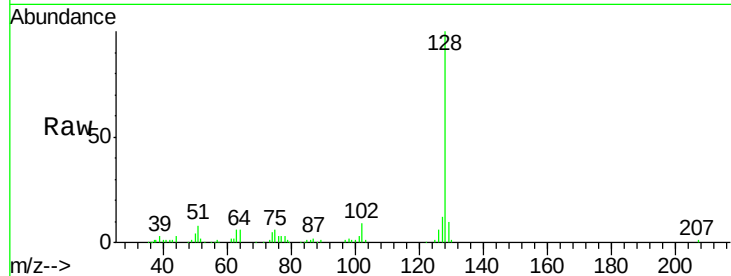
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	23661
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.0	15.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

sam
9/4/2019 4:45:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.314 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX012018.D

Acq: 03 Sep 2019 12:45

Tgt Ion:	180	Resp:	10772
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.3
145	41.0	18.4	55.2

