

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090419\
 Data File : VX012054.D
 Acq On : 04 Sep 2019 16:15
 Operator : SY/SP
 Sample : VX0904SBSD01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD01

Manual Integrations
 APPROVED

sam
 9/5/2019 2:55:49 PM

Quant Time: Sep 04 16:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	114465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	221976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	208356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	86836	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	5.48	113	68258	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	8.71	98	249802	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.14	95	111949	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	20663	19.576	ug/l	97
3) Chloromethane	1.31	50	22113	20.456	ug/l	96
4) Vinyl Chloride	1.40	62	19800	19.468	ug/l	99
5) Bromomethane	1.62	94	11144	22.088	ug/l	99
6) Chloroethane	1.70	64	12923	20.439	ug/l	100
7) Trichlorofluoromethane	1.91	101	30863	19.537	ug/l	100
8) Diethyl Ether	2.17	74	12460	22.825	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	23256	19.876	ug/l #	84
10) Methyl Iodide	2.50	142	11322	15.210	ug/l	91
11) Tert butyl alcohol	3.04	59	18498	121.937	ug/l	95
12) 1,1-Dichloroethene	2.36	96	21906	19.435	ug/l	87
13) Acrolein	2.28	56	6585	162.298	ug/l	98
14) Allyl chloride	2.71	41	43315	21.238	ug/l	98
15) Acrylonitrile	3.12	53	40241	117.309	ug/l	99
16) Acetone	2.43	43	38312	101.487	ug/l	98
17) Carbon Disulfide	2.55	76	56410	17.125	ug/l	99
18) Methyl Acetate	2.76	43	25868	29.088	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	84998	23.164	ug/l	98
20) Methylene Chloride	2.84	84	31301	20.648	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	25923	19.599	ug/l	91
22) Diisopropyl ether	3.84	45	92916	22.352	ug/l	97
23) Vinyl Acetate	3.80	43	285121	106.027	ug/l	100
24) 1,1-Dichloroethane	3.68	63	50913	21.117	ug/l	98
25) 2-Butanone	4.65	43	54718	113.868	ug/l	99
26) 2,2-Dichloropropane	4.56	77	42982	19.310	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	33180	21.401	ug/l	92
28) Bromochloromethane	5.00	49	24533	25.492	ug/l #	78
29) Tetrahydrofuran	5.12	42	34036	117.558	ug/l	99
30) Chloroform	5.20	83	57424	22.197	ug/l	99
31) Cyclohexane	5.57	56	36145	18.667	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	46353	20.573	ug/l	97
36) 1,1-Dichloropropene	5.79	75	35871	18.348	ug/l	95
37) Ethyl Acetate	4.83	43	22826	21.471	ug/l	98
38) Carbon Tetrachloride	5.77	117	39404	19.127	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	39522	17.418	ug/l	94
40) Benzene	6.13	78	111811	19.922	ug/l	96
41) Methacrylonitrile	5.03	41	13763	21.708	ug/l	99
42) 1,2-Dichloroethane	6.18	62	43821	21.696	ug/l	98
43) Isopropyl Acetate	6.43	43	47193	21.831	ug/l	99
44) Trichloroethene	7.20	130	29383	19.410	ug/l	92
45) 1,2-Dichloropropane	7.50	63	30379	20.950	ug/l	97
46) Dibromomethane	7.65	93	18214	21.517	ug/l #	73
47) Bromodichloromethane	7.89	83	44946	20.889	ug/l	95
48) Methyl methacrylate	7.76	41	23737	21.839	ug/l	98
49) 1,4-Dioxane	7.73	88	6697	451.976	ug/l #	86
51) 4-Methyl-2-Pentanone	8.64	43	121807	110.781	ug/l	99
52) Toluene	8.78	92	73144	20.029	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	45180	20.282	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	50262	20.290	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	26173	21.627	ug/l	93
56) Ethyl methacrylate	9.17	69	37369	21.557	ug/l	98
57) 1,3-Dichloropropane	9.37	76	45207	21.647	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	87455	111.903	ug/l	96
59) 2-Hexanone	9.49	43	86962	108.391	ug/l	99
60) Dibromochloromethane	9.57	129	31202	21.633	ug/l	98
61) 1,2-Dibromoethane	9.67	107	25366	21.691	ug/l	96
64) Tetrachloroethene	9.33	164	26883	20.696	ug/l #	86
65) Chlorobenzene	10.14	112	82229	20.002	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	30754	20.459	ug/l	97
67) Ethyl Benzene	10.25	91	145085	19.361	ug/l	96
68) m/p-Xylenes	10.36	106	106190	38.462	ug/l	89
69) o-Xylene	10.70	106	52828	19.732	ug/l	87
70) Styrene	10.71	104	96636	20.781	ug/l	95
71) Bromoform	10.85	173	17384	21.056	ug/l #	95
73) Isopropylbenzene	11.01	105	142966	19.099	ug/l	97
74) N-amyl acetate	10.89	43	42869	19.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	32932	21.103	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	29820m	23.922	ug/l	
77) Bromobenzene	11.25	156	35435	21.166	ug/l	69
78) n-propylbenzene	11.35	91	172915	19.120	ug/l	95
79) 2-Chlorotoluene	11.42	91	107863	19.687	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	130076	19.829	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9582	18.173	ug/l	90
82) 4-Chlorotoluene	11.51	91	131105	20.077	ug/l	91
83) tert-Butylbenzene	11.76	119	119766	19.155	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	131736	19.539	ug/l	93
85) sec-Butylbenzene	11.94	105	145041	18.676	ug/l	94
86) p-Isopropyltoluene	12.06	119	132616	18.777	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	67946	20.254	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	68181	20.326	ug/l	92
89) n-Butylbenzene	12.39	91	128019	18.660	ug/l	96
90) Hexachloroethane	12.59	117	26553	18.829	ug/l	54
91) 1,2-Dichlorobenzene	12.39	146	64117	21.222	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7083	21.690	ug/l	64

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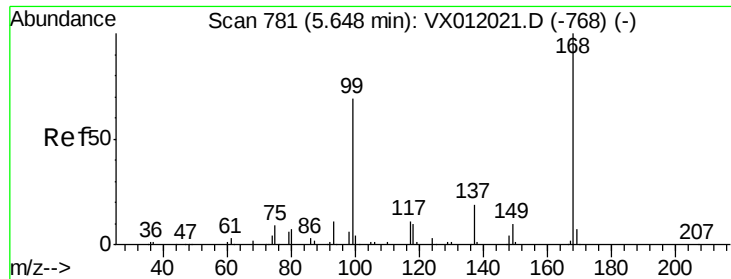
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	42933	19.964	ug/l	95
94) Hexachlorobutadiene	13.78	225	20721	19.115	ug/l	99
95) Naphthalene	13.83	128	98737	21.214	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	40061	21.175	ug/l	95

(#) = 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: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD01

Tot Ion:168 Resp: 114465

Ion Ratio Lower Upper

168 100

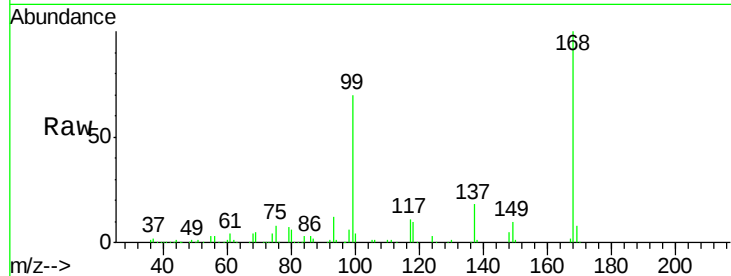
99 69.7 37.6 56.4#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

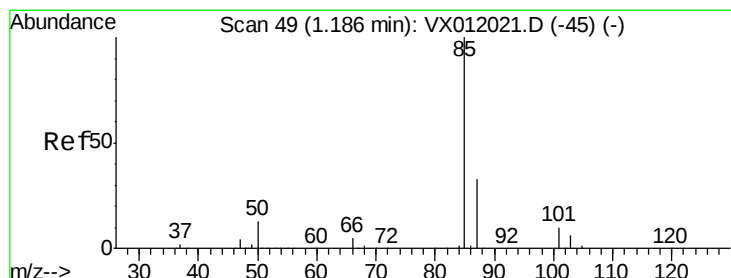
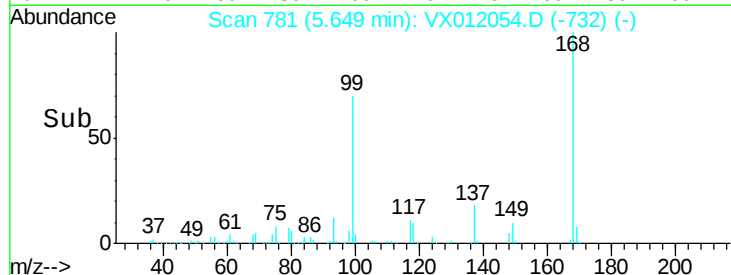
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.576 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012054.D

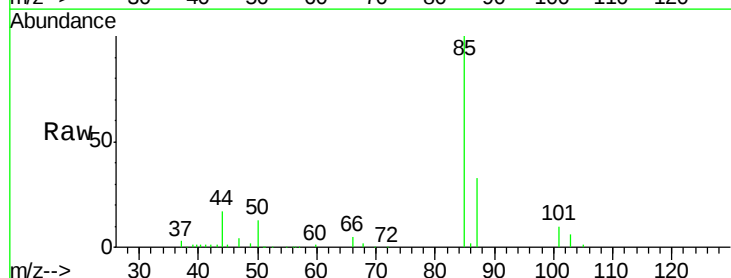
Acq: 04 Sep 2019 16:15

Tgt Ion: 85 Resp: 20663

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

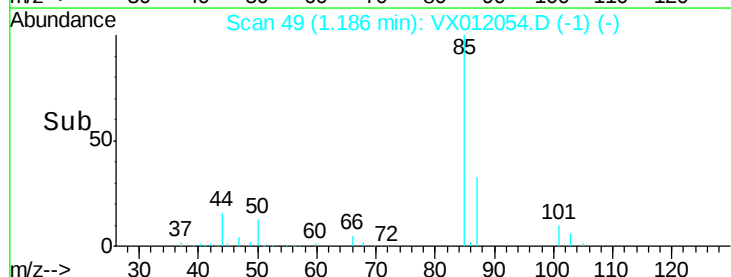
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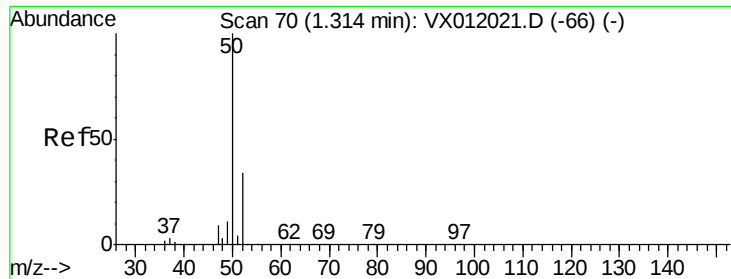
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0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.456 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD01

Tot Ion: 50 Resp: 22113

Ion Ratio Lower Upper

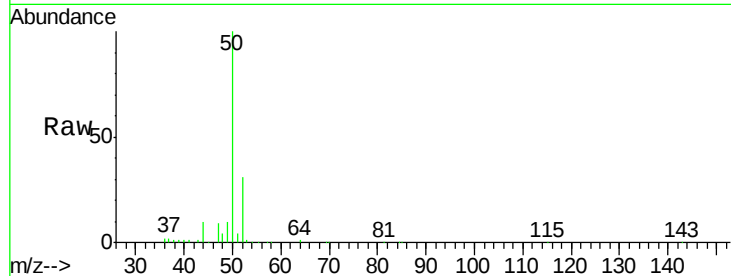
50 100

52 31.0 26.5 39.7

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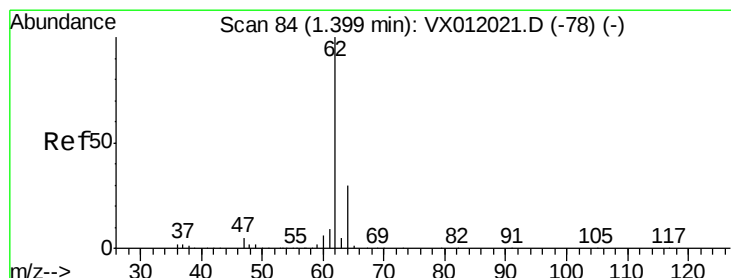
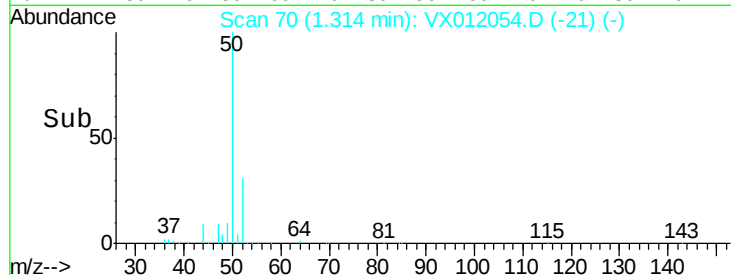
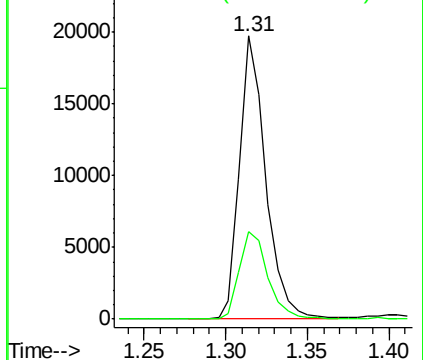
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.468 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012054.D

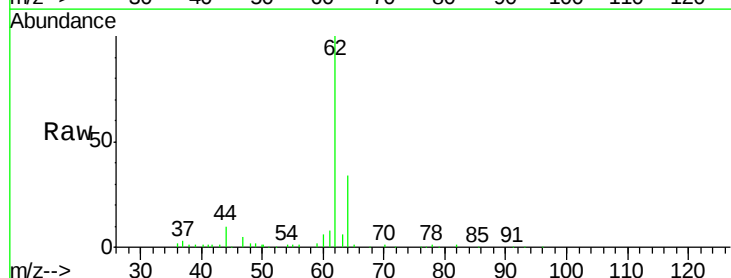
Acq: 04 Sep 2019 16:15

Tgt Ion: 62 Resp: 19800

Ion Ratio Lower Upper

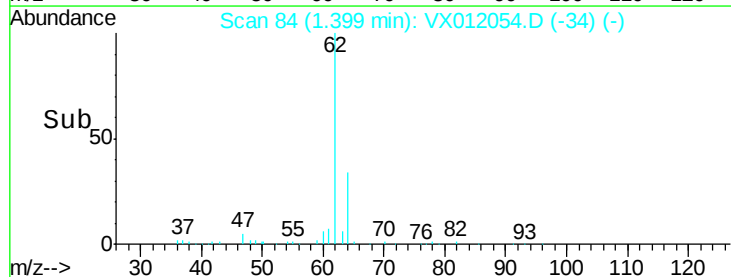
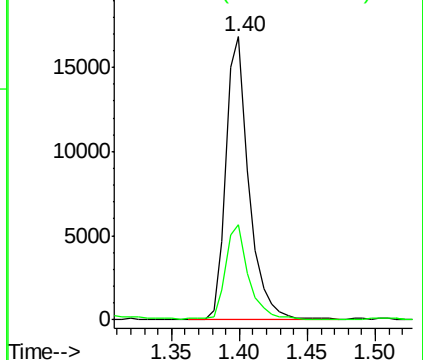
62 100

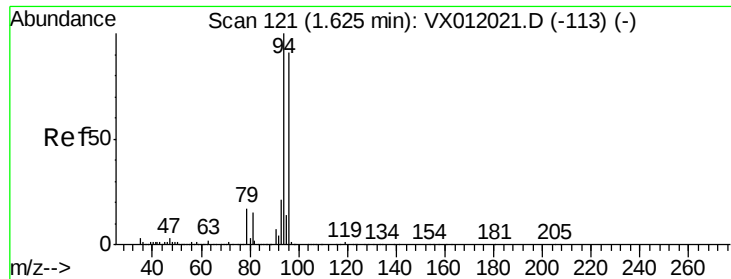
64 33.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.088 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

VX0904SBSD01

Tot Ion: 94 Resp: 11144

Ion Ratio Lower Upper

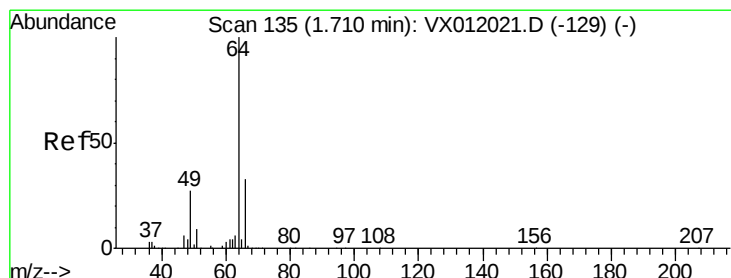
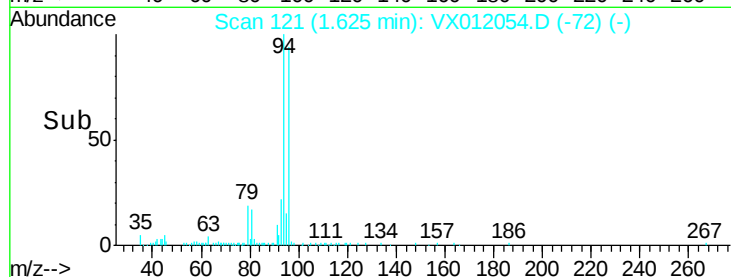
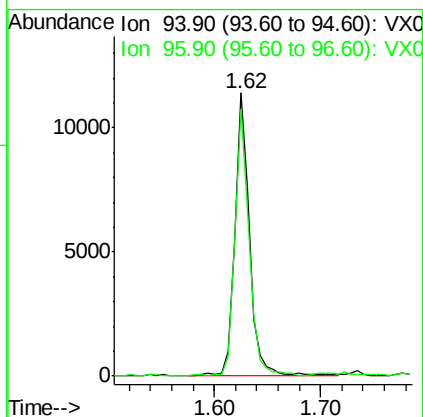
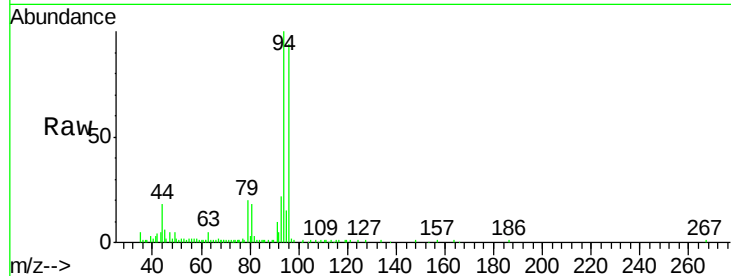
94 100

96 94.1 76.3 114.5

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#6

Chloroethane

Concen: 20.439 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012054.D

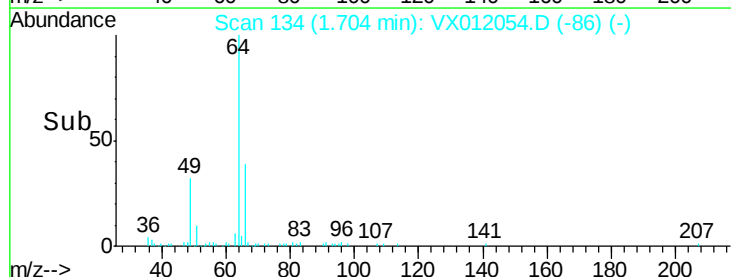
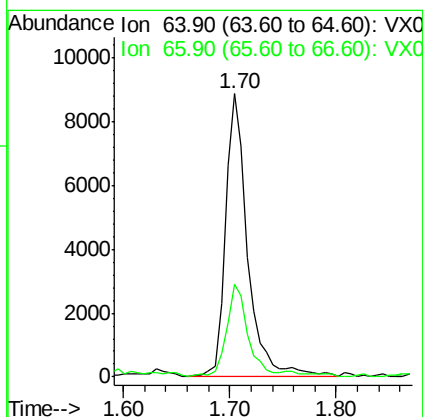
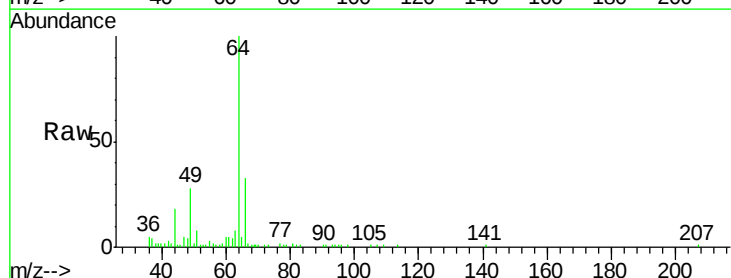
Acq: 04 Sep 2019 16:15

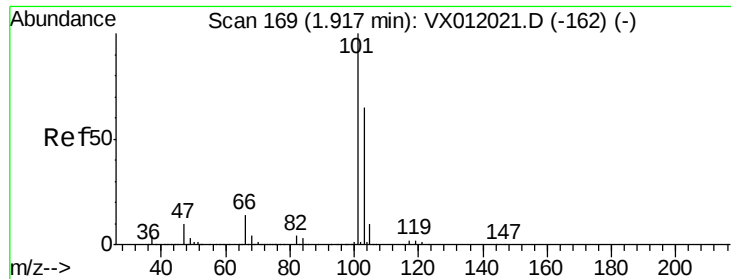
Tgt Ion: 64 Resp: 12923

Ion Ratio Lower Upper

64 100

66 32.8 26.3 39.5





#7

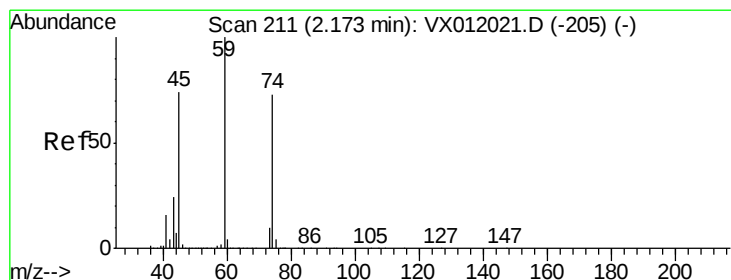
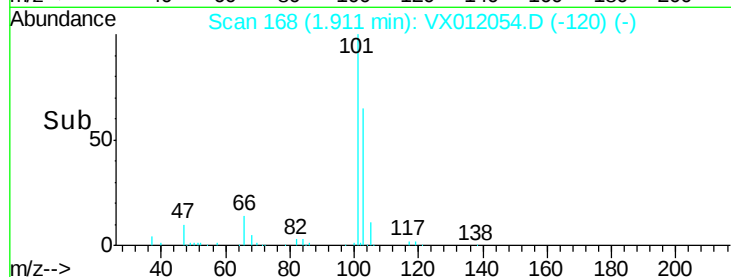
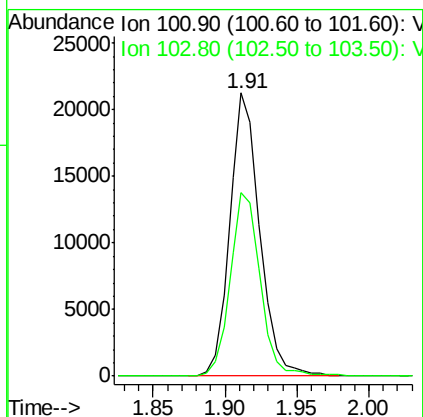
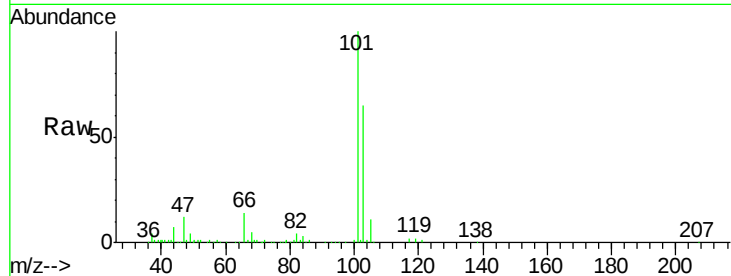
Trichlorofluoromethane
 Concen: 19.537 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
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 ClientSampleId :
 VX0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	30863		
103	64.7	51.6	77.4	

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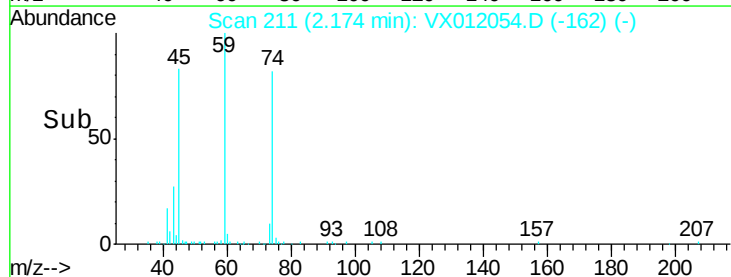
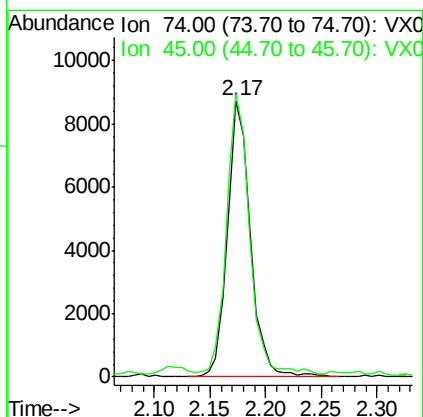
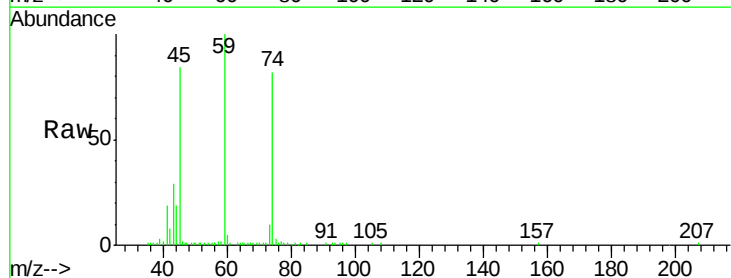
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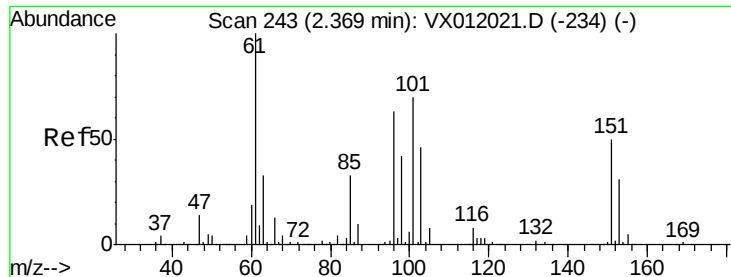


#8

Diethyl Ether
 Concen: 22.825 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	12460		
45	101.5	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.876 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

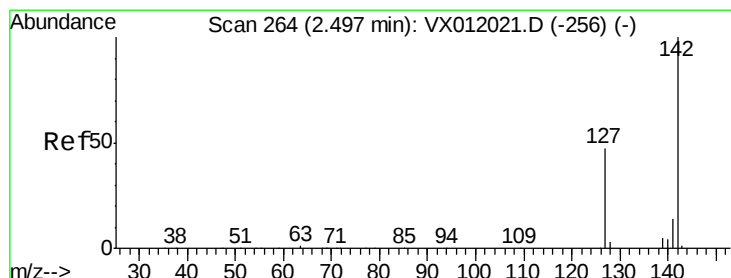
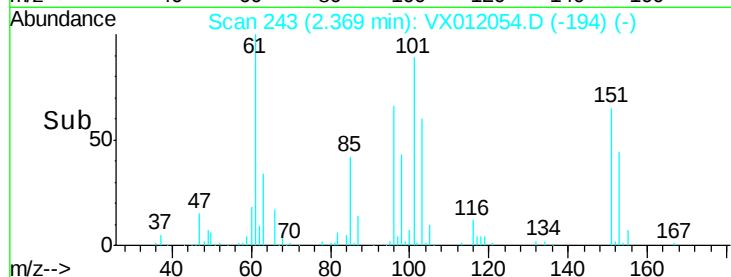
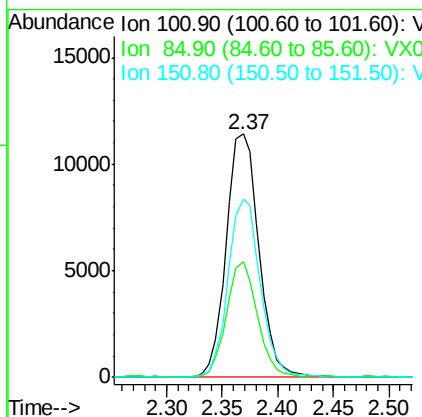
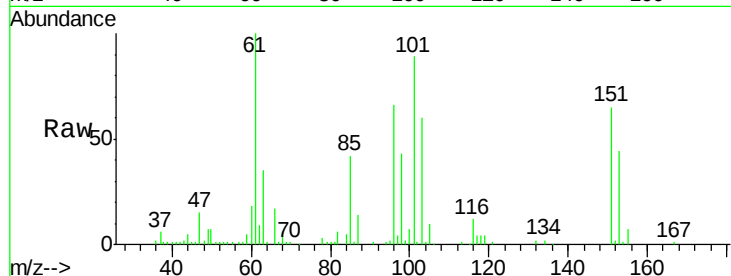
ClientSampleId :

VX0904SBSD01

Tot Ion:	101	Resp:	23256
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.5	51.7
151	72.5	75.0	112.4#

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 15.210 ug/l

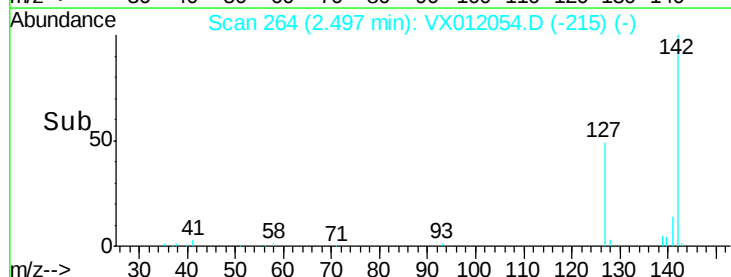
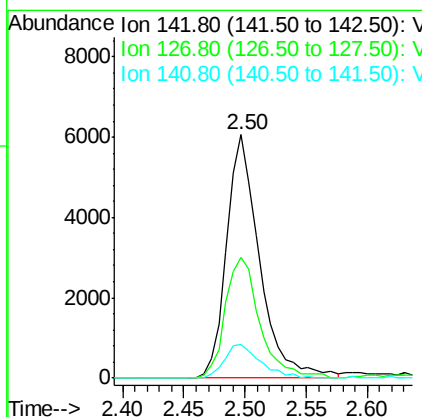
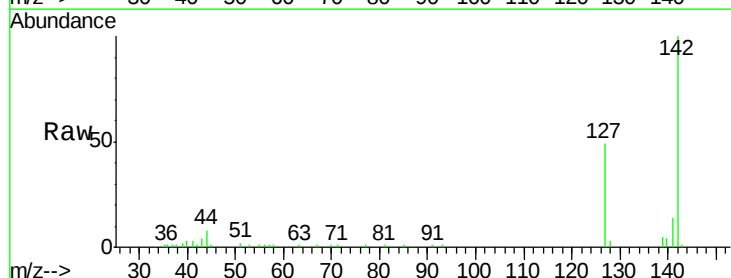
RT: 2.50 min Scan# 264

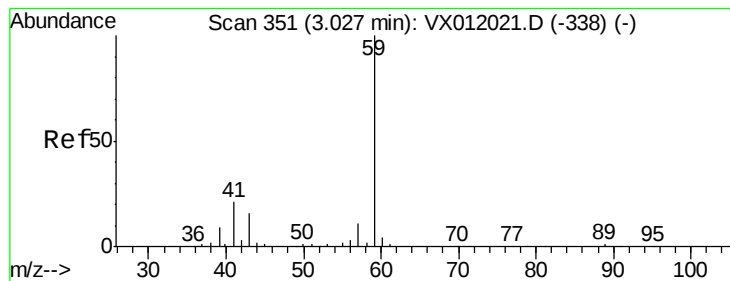
Delta R.T. 0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion:	142	Resp:	11322
Ion Ratio	Lower	Upper	
142	100		
127	51.7	35.4	53.2
141	14.9	11.4	17.2





#11

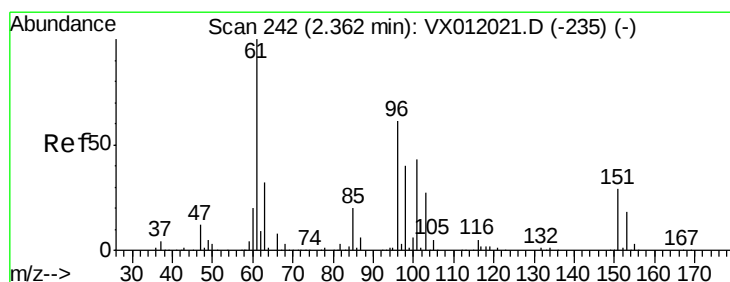
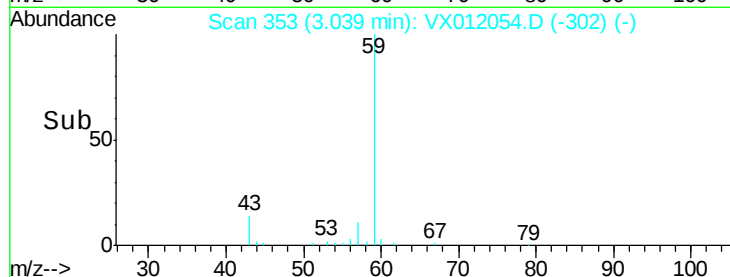
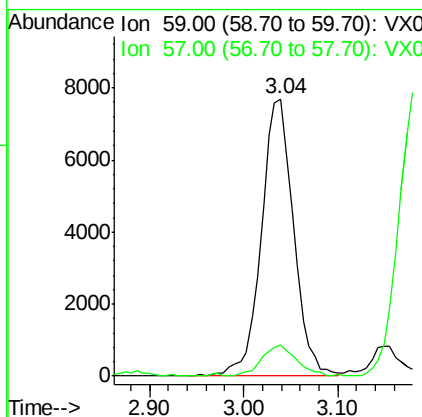
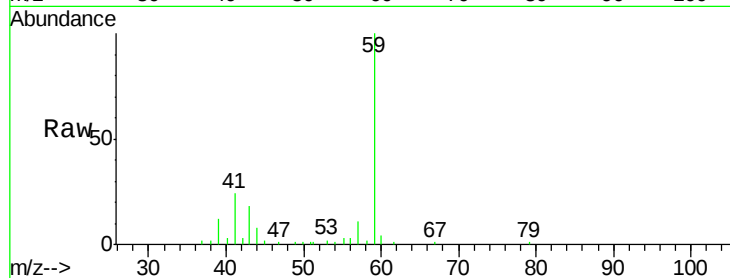
Tert butyl alcohol
 Concen: 121.937 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBS01

Tot Ion	59	57	Ratio	100	11.8	Resp	18498	Lower	7.9	Upper	11.9
Ion											

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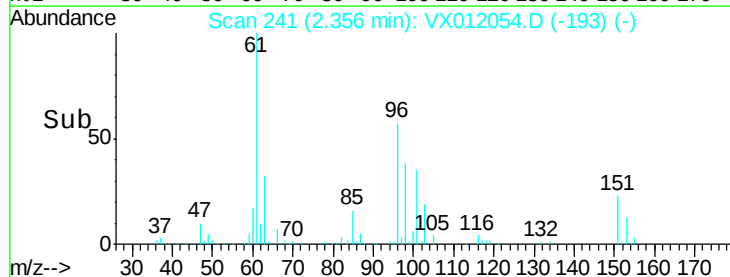
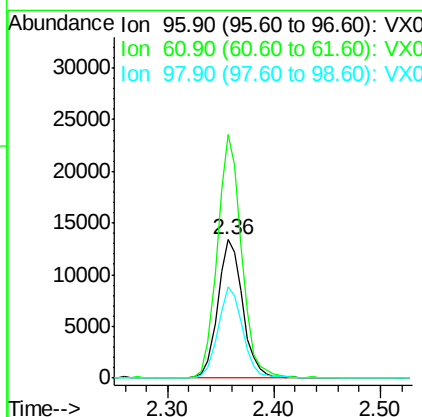
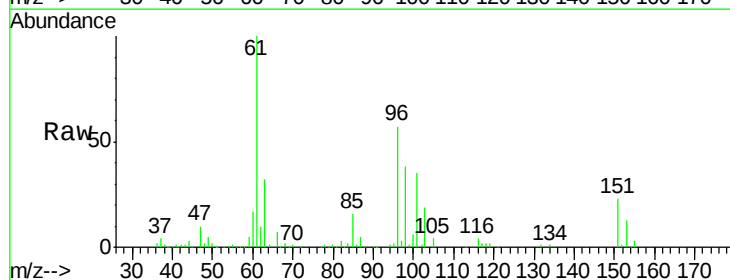
sam
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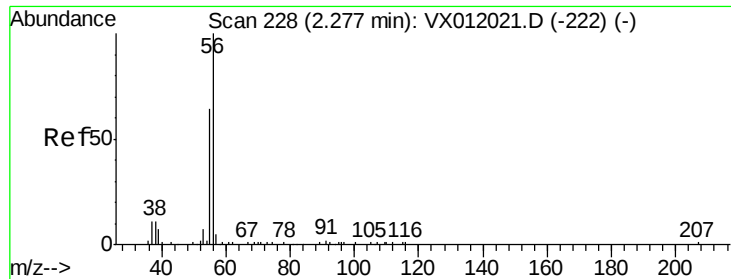


#12

1,1-Dichloroethene
 Concen: 19.435 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion	96	61	98	Ratio	100	175.7	66.0	Resp	21906	Lower	124.1	50.2	Upper	186.1	75.2
Ion															





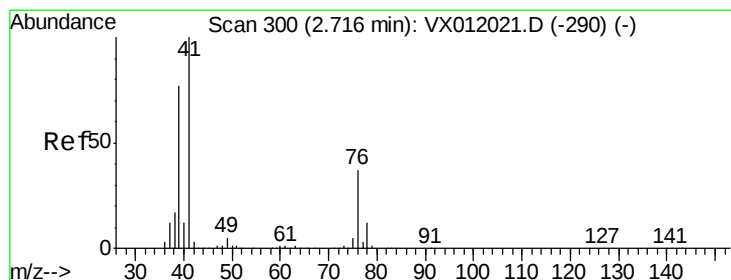
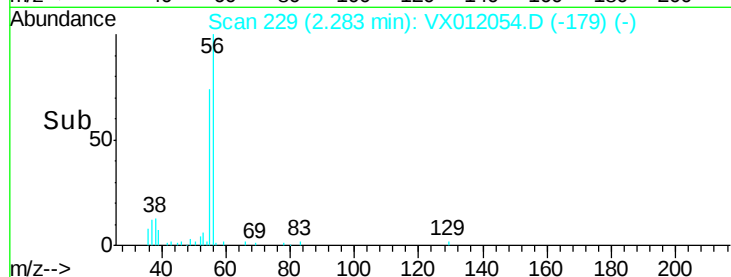
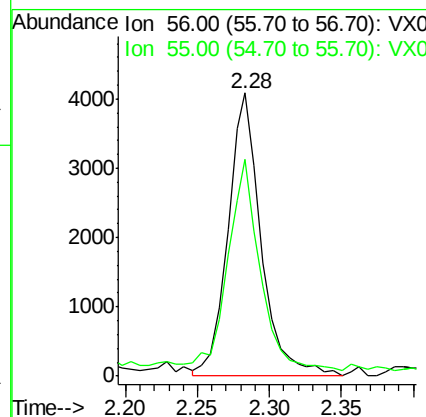
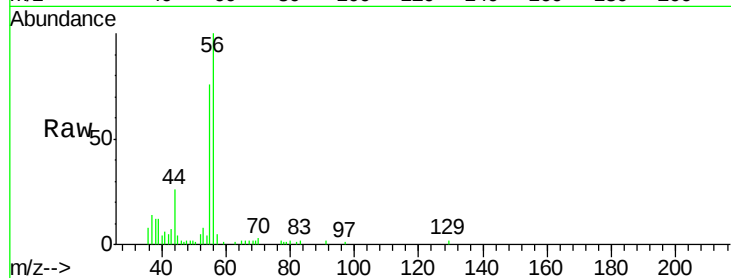
#13
Acrolein
Concen: 162.298 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD01

Tot Ion	56	Resp	6585
Ion Ratio	100	Lower	Upper
55	72.1	59.2	88.8

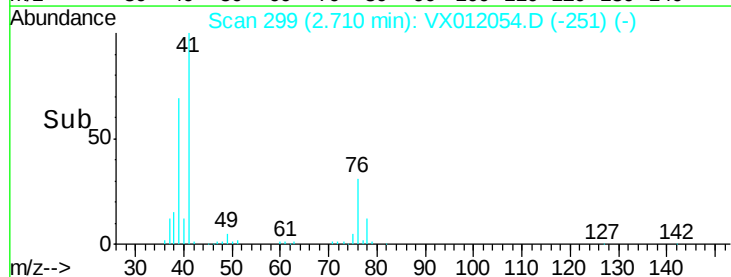
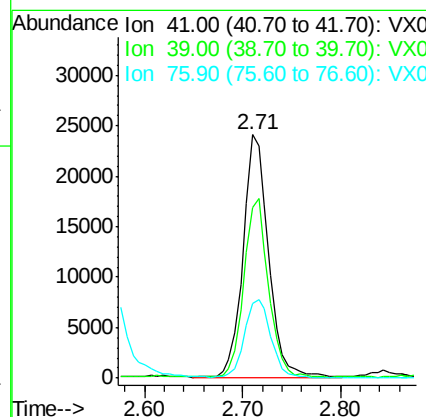
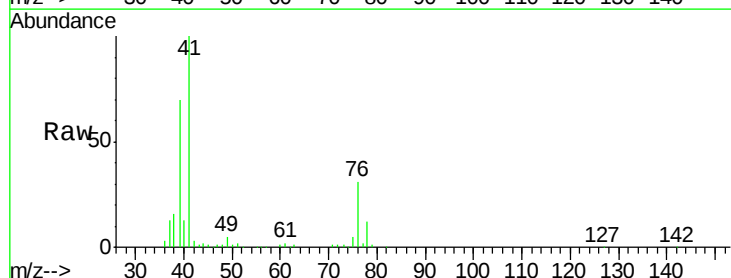
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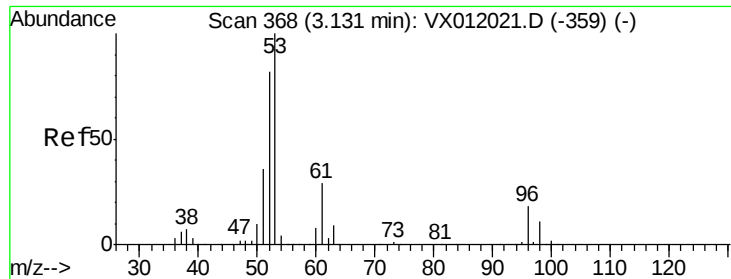
sam
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#14
Allyl chloride
Concen: 21.238 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	41	Resp	43315
Ion Ratio	100	Lower	Upper
39	71.0	57.9	86.9
76	34.0	28.5	42.7





#15

Acrylonitrile

Concen: 117.309 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

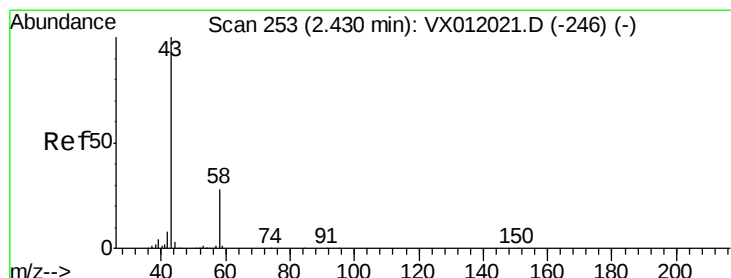
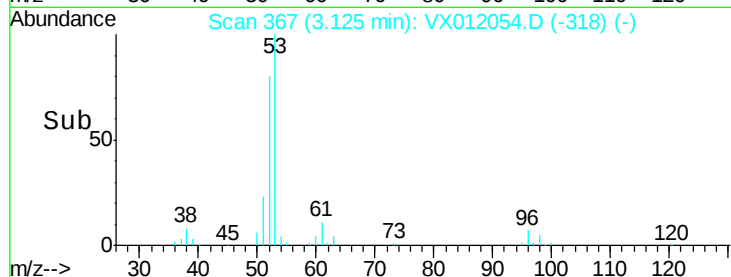
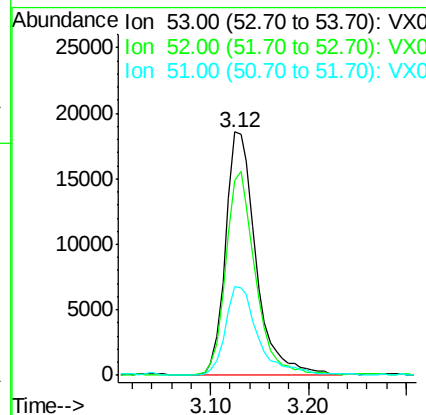
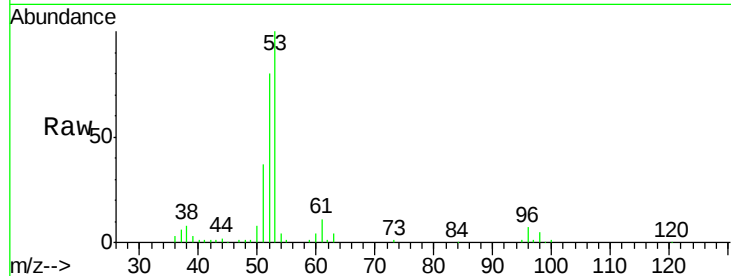
ClientSampleId :

VX0904SBSD01

Tot Ion:	53	Resp:	40241
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.6	98.4
51	38.8	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 101.487 ug/l

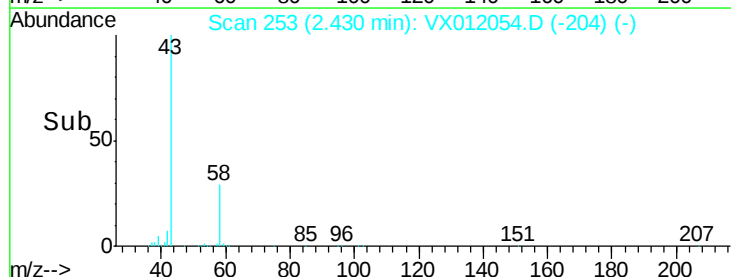
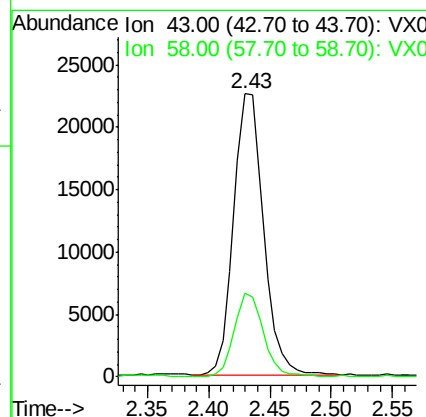
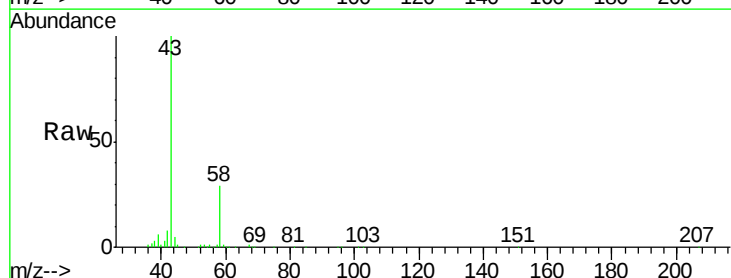
RT: 2.43 min Scan# 253

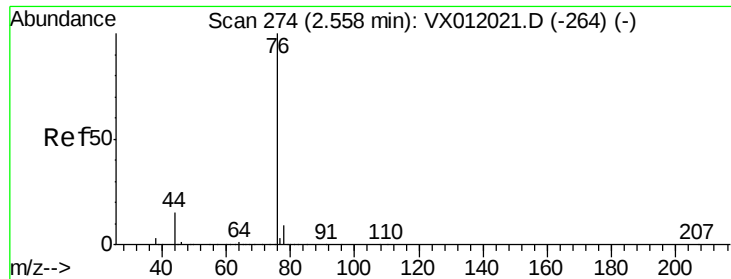
Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion:	43	Resp:	38312
Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.8	34.2





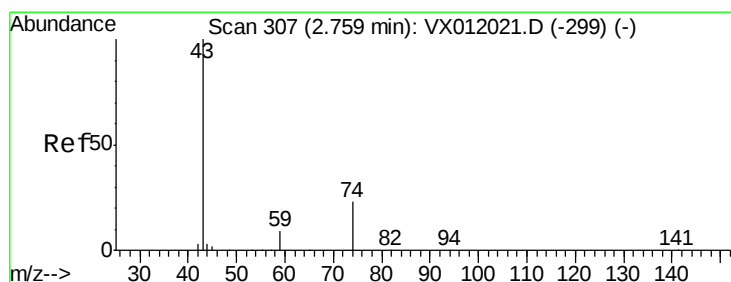
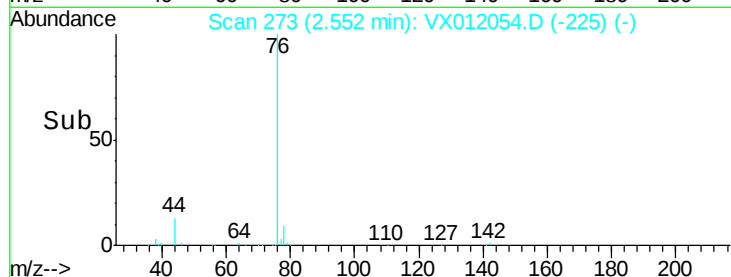
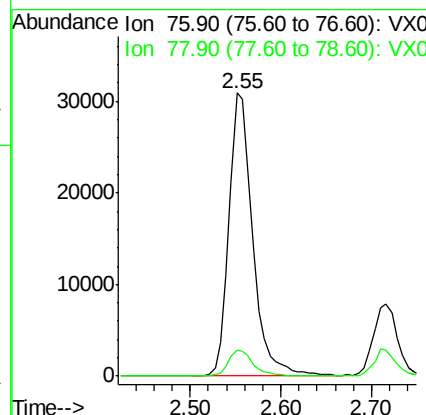
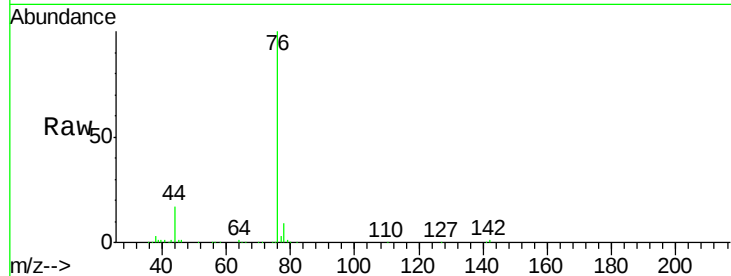
#17
Carbon Disulfide
Concen: 17.125 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampled :
VX0904SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

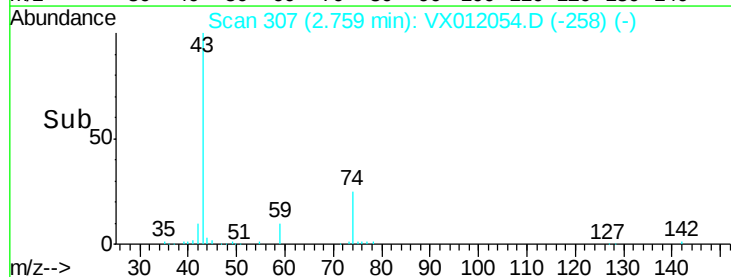
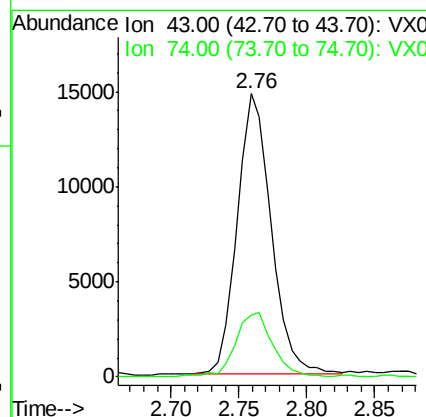
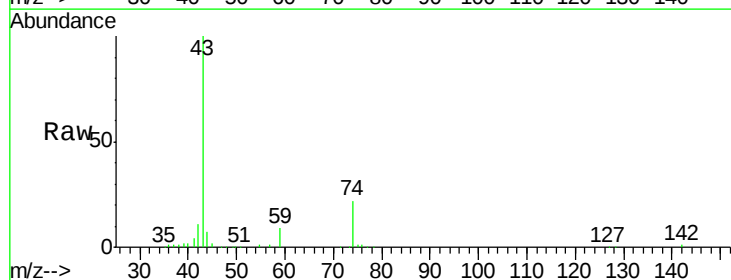
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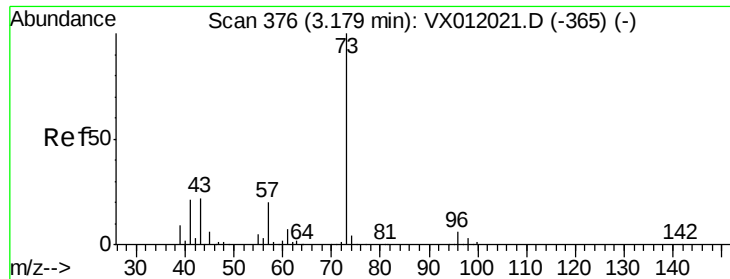
sam
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#18
Methyl Acetate
Concen: 29.088 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.5	29.3





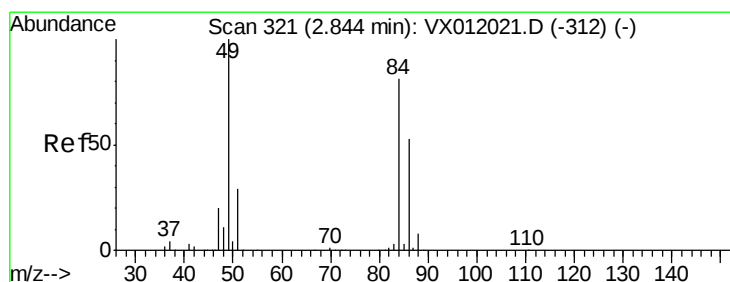
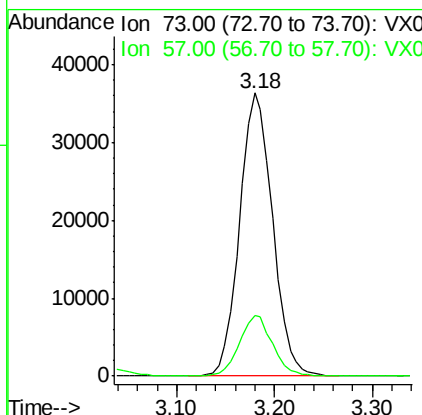
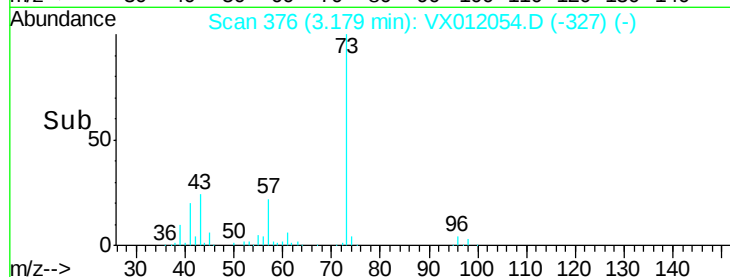
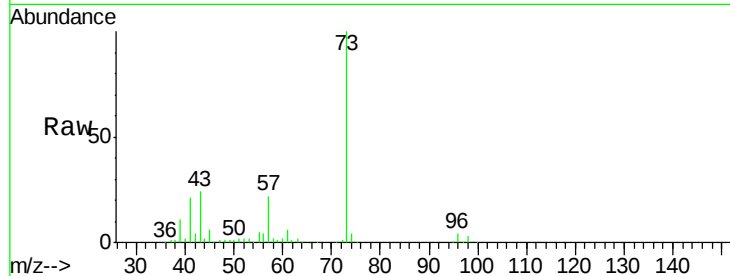
#19
Methyl tert-butyl Ether
Concen: 23.164 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.6	25.0

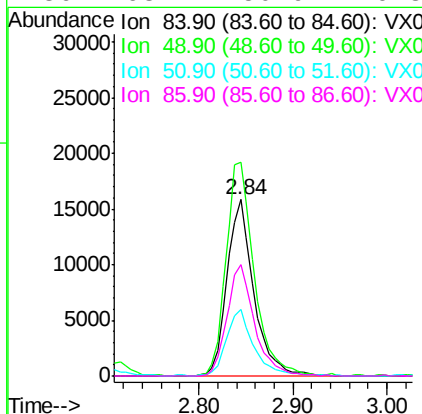
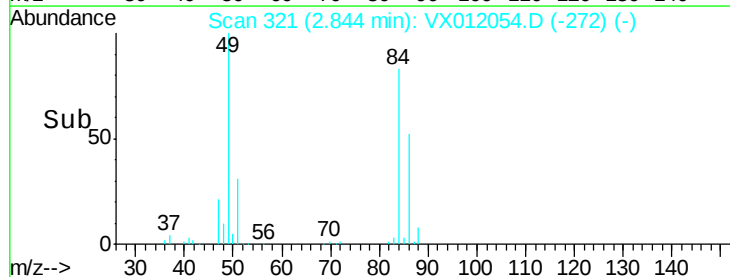
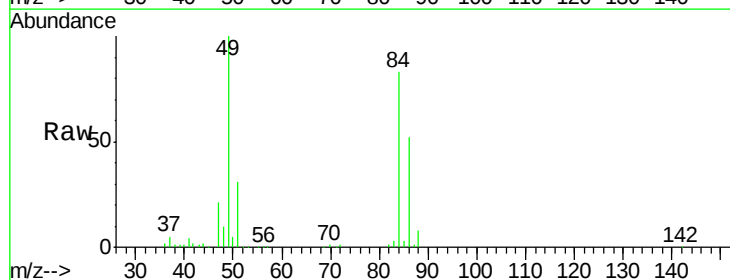
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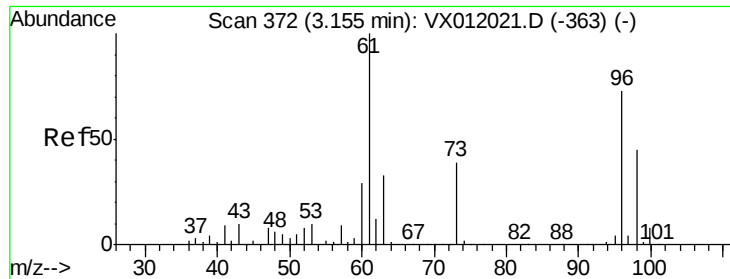
sam
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#20
Methylene Chloride
Concen: 20.648 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	95.8	143.8
51	37.9	28.6	43.0
86	63.2	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 19.599 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS01

Tot Ion: 96 Resp: 25923

Ion Ratio Lower Upper

96 100

61 145.9 107.0 160.6

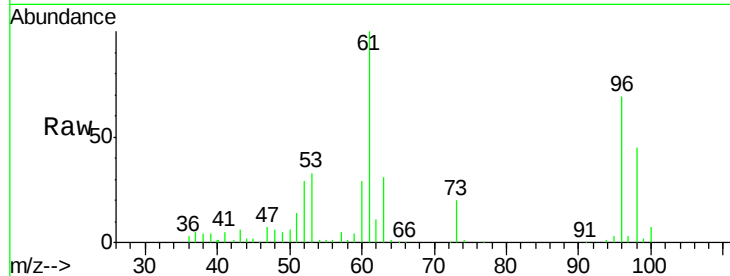
98 66.4 49.8 74.6

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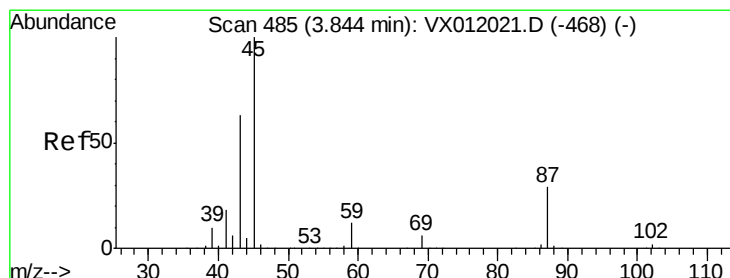
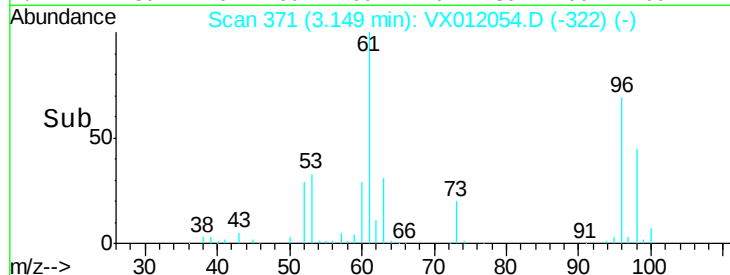
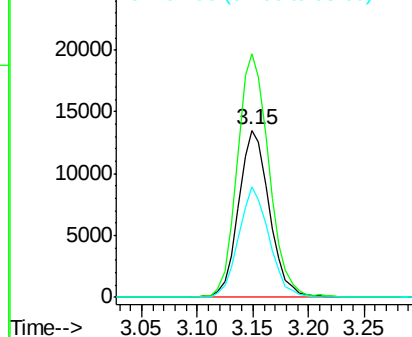


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 22.352 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.01 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion: 45 Resp: 92916

Ion Ratio Lower Upper

45 100

43 64.2 54.2 81.4

87 28.0 23.4 35.0

59 11.4 9.0 13.6

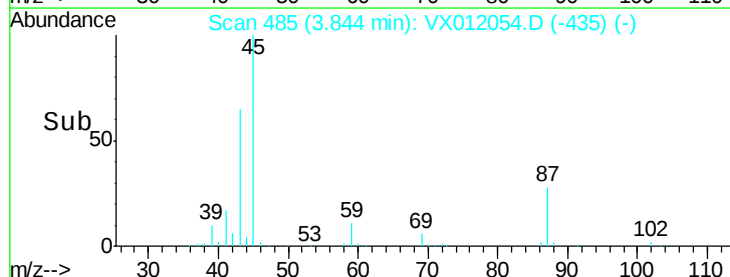
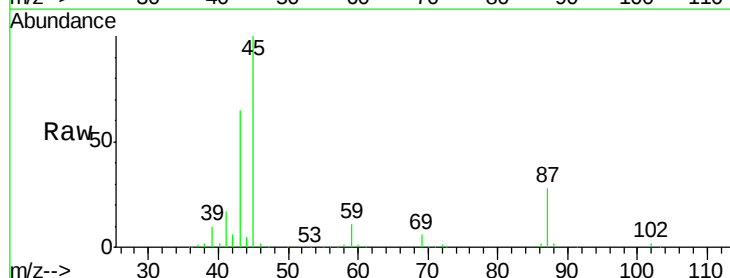
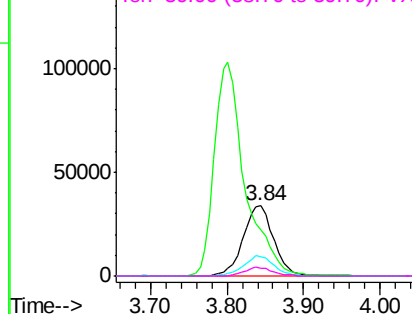
Abundance

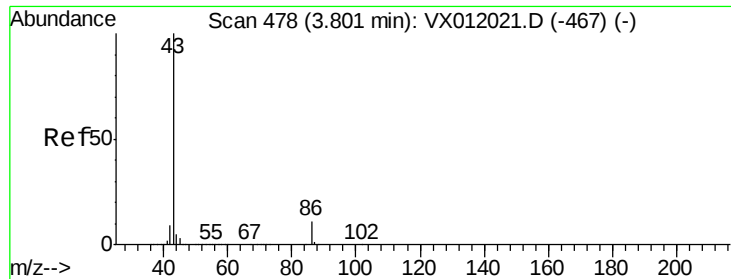
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





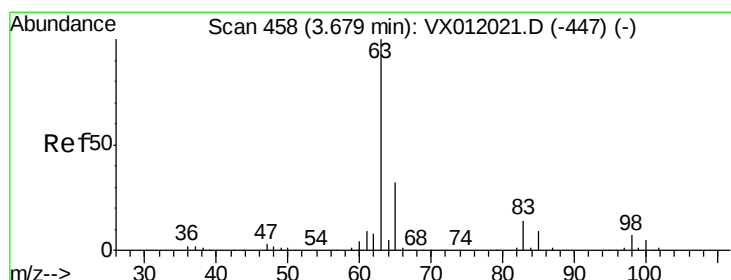
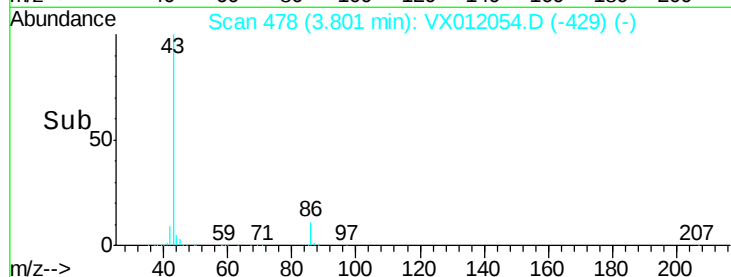
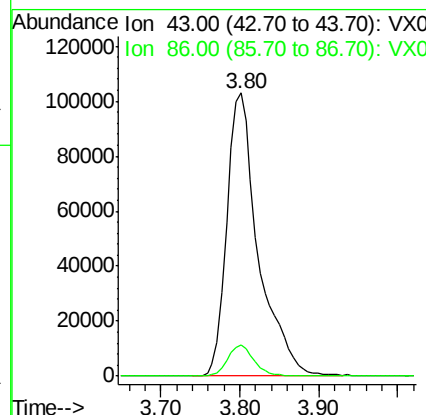
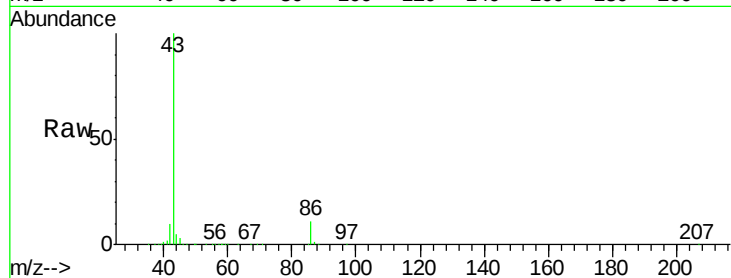
#23
 Vinyl Acetate
 Concen: 106.027 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.0	13.6

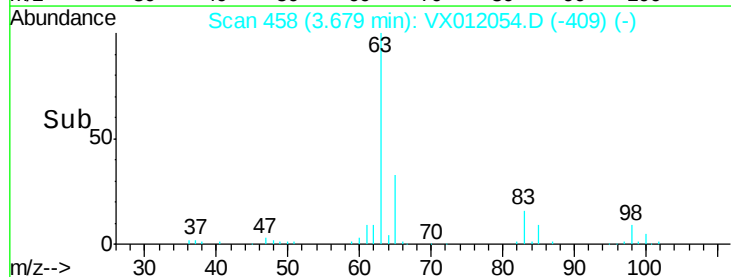
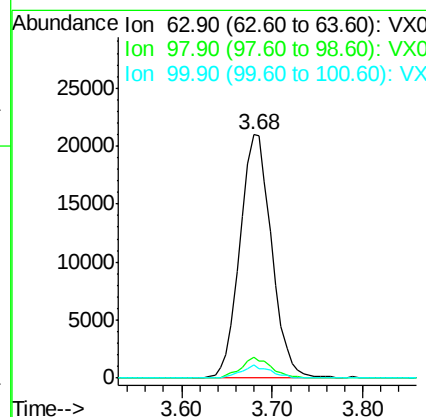
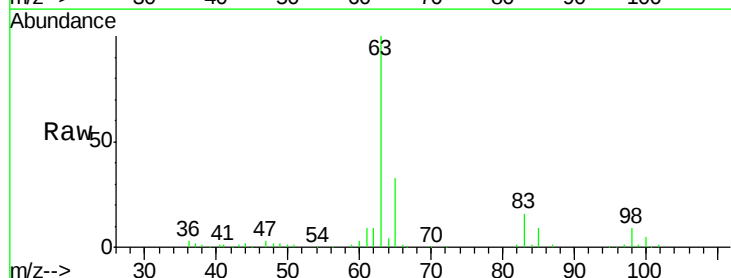
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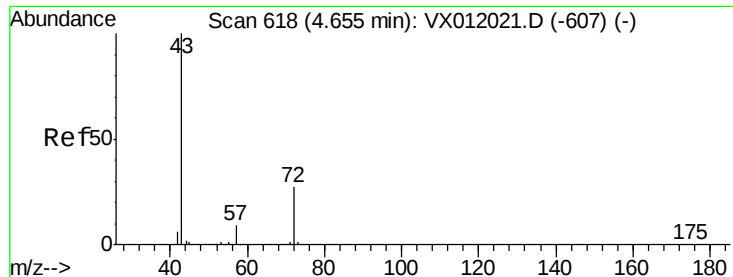
sam
 9/5/2019 2:55:49 PM



#24
 1,1-Dichloroethane
 Concen: 21.117 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.6	3.9	11.7
100	5.2	2.5	7.4





#25

2-Butanone

Concen: 113.868 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tot Ion: 43 Resp: 54718

Ion Ratio Lower Upper

43 100

72 26.3 21.3 31.9

Instrument :

MSVOA_X

ClientSampleId :

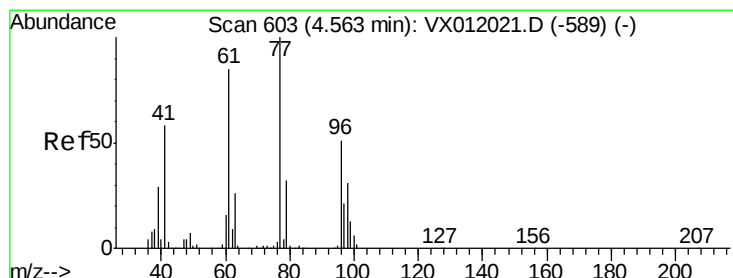
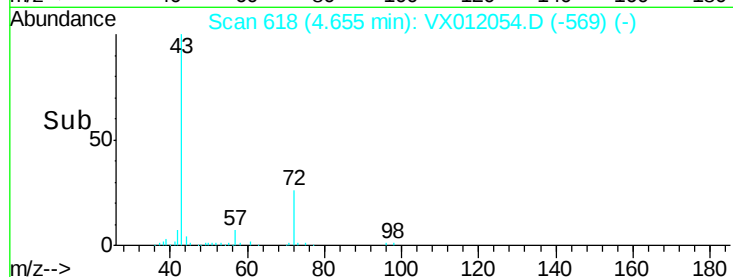
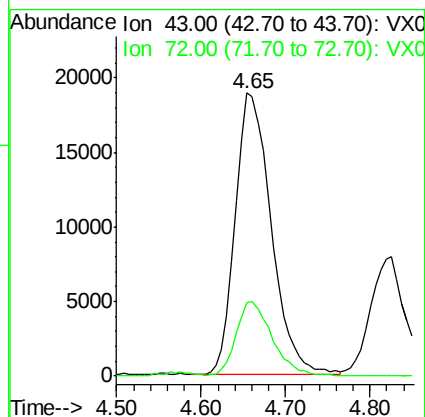
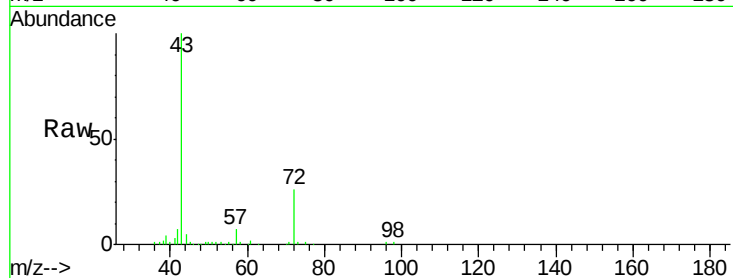
VX0904SBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.310 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012054.D

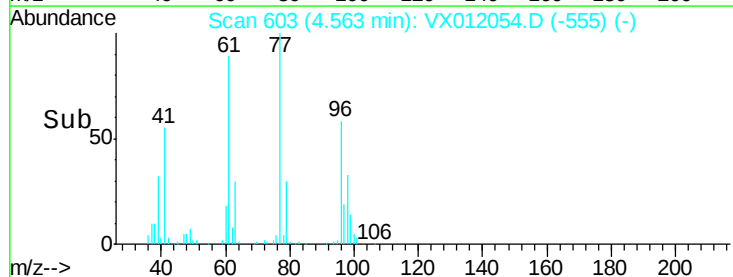
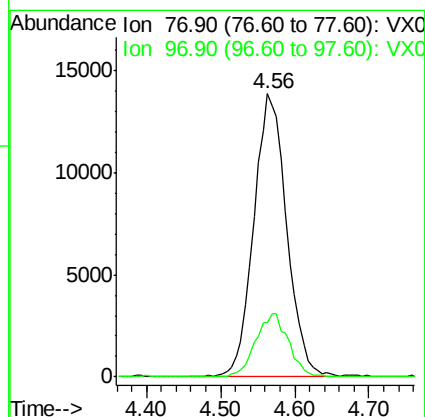
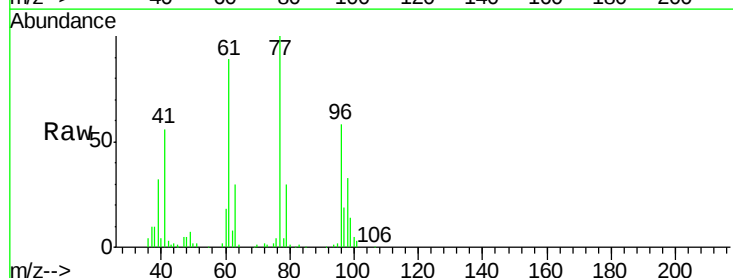
Acq: 04 Sep 2019 16:15

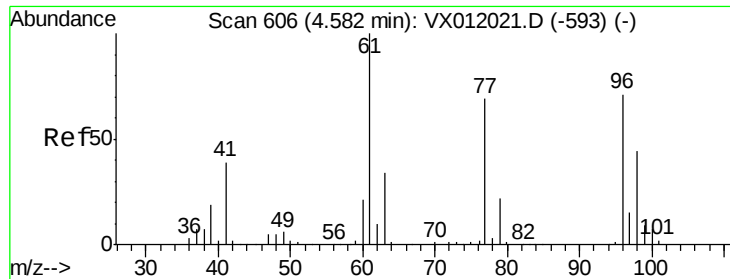
Tgt Ion: 77 Resp: 42982

Ion Ratio Lower Upper

77 100

97 22.2 11.5 34.5





#27

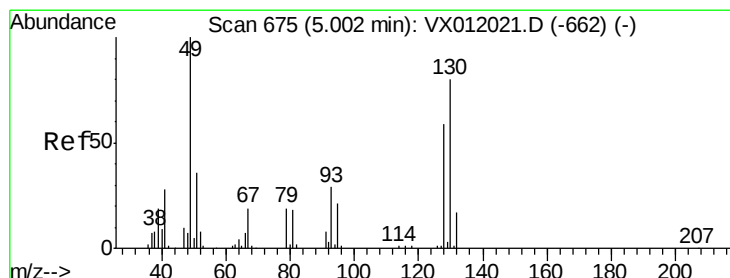
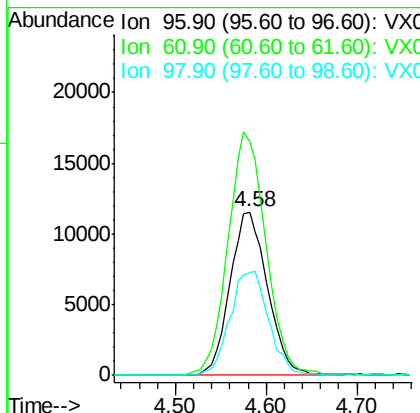
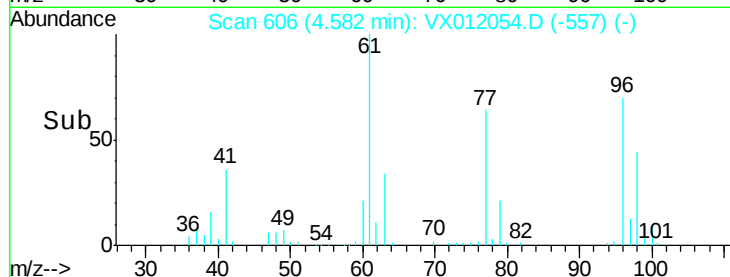
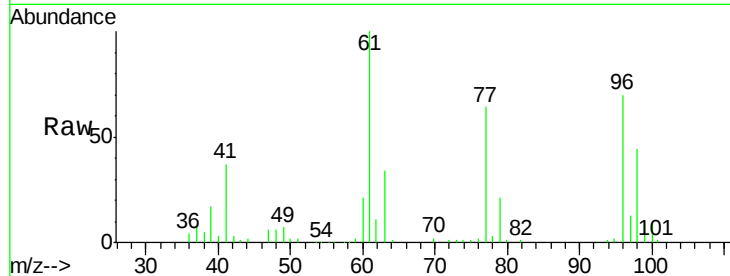
cis-1,2-Dichloroethene
Concen: 21.401 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	33180		
61	150.8	0.0	277.0	
98	65.6	0.0	128.4	

Manual Integrations
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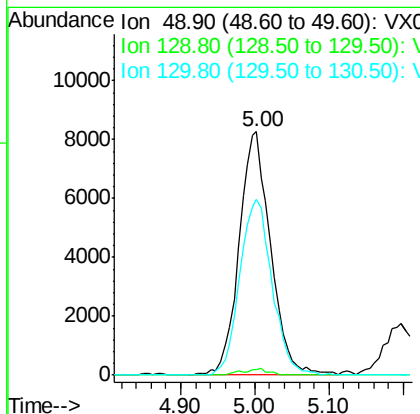
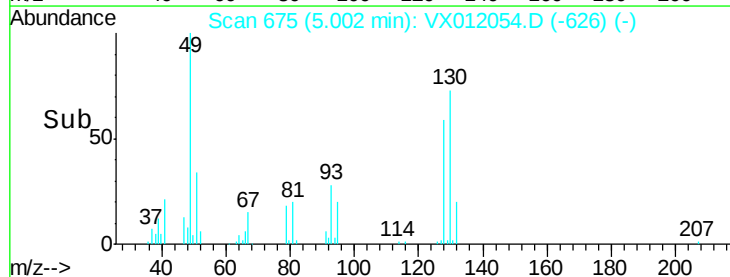
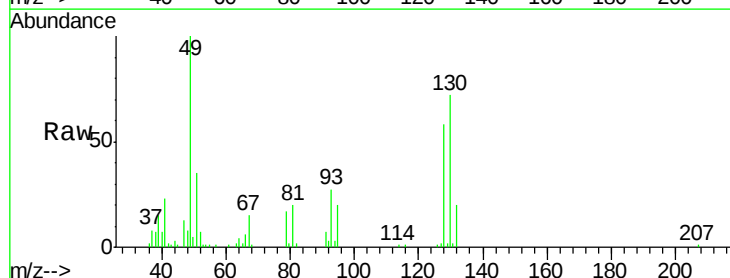
sam
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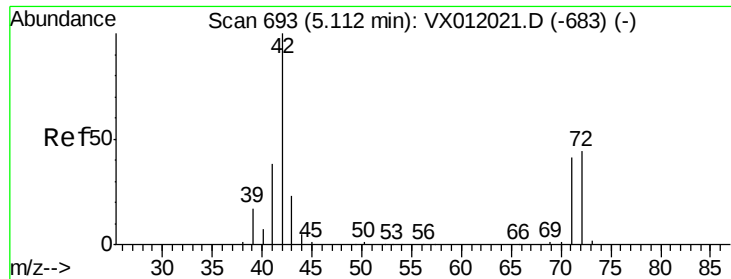


#28

Bromochloromethane
Concen: 25.492 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24533		
129	2.2	0.0	5.6	
130	74.1	76.7	115.1#	





#29

Tetrahydrofuran

Concen: 117.558 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

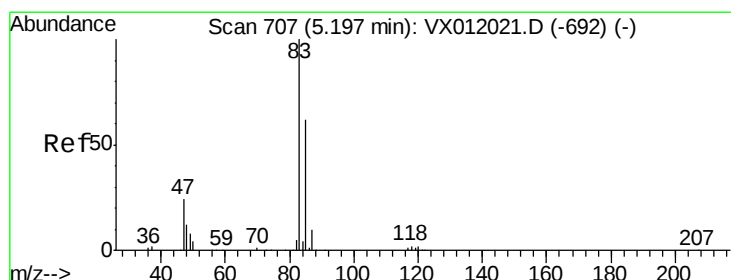
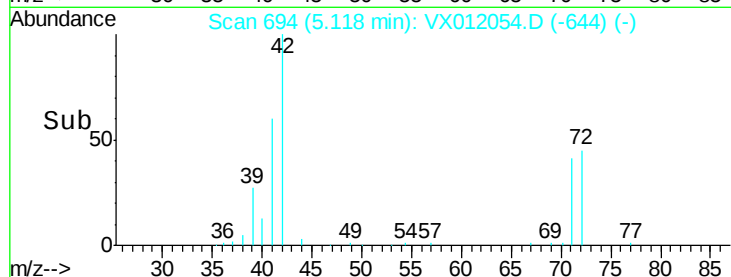
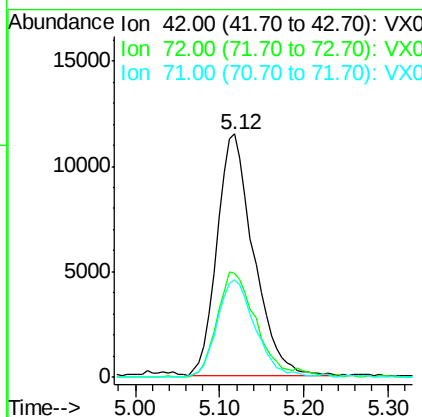
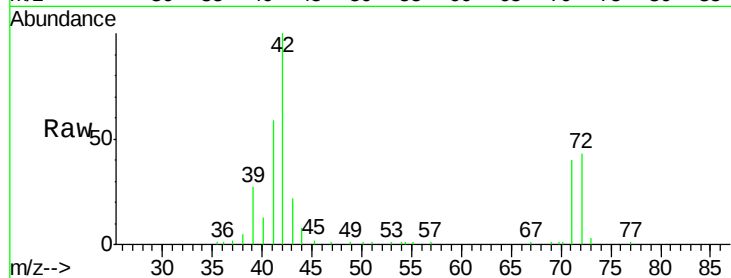
ClientSampleId :

VX0904SBSD01

Tot Ion:	42	Resp:	34036
Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.0	55.4
71	42.0	33.8	50.8

Manual Integrations
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#30

Chloroform

Concen: 22.197 ug/l

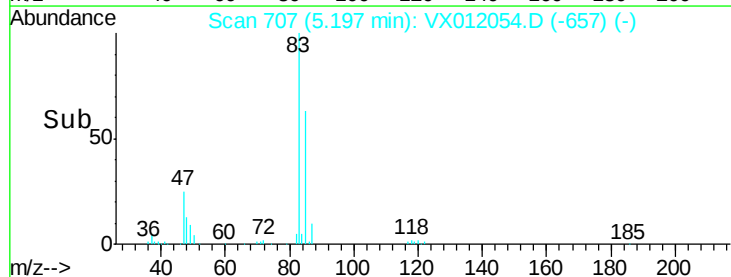
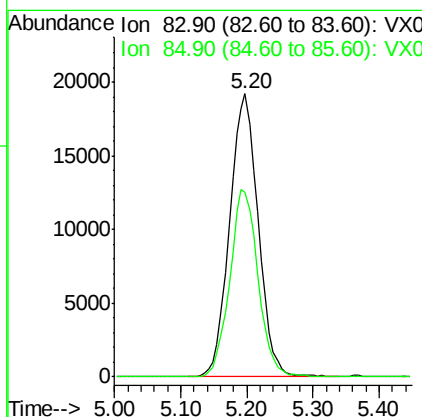
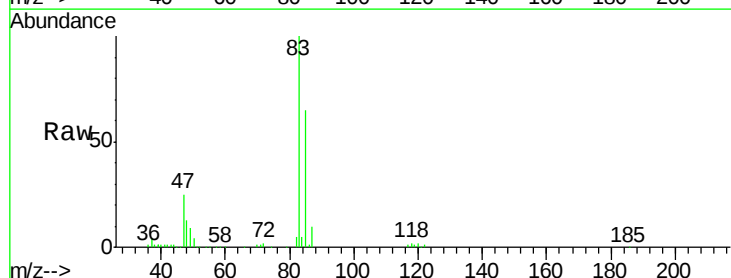
RT: 5.20 min Scan# 707

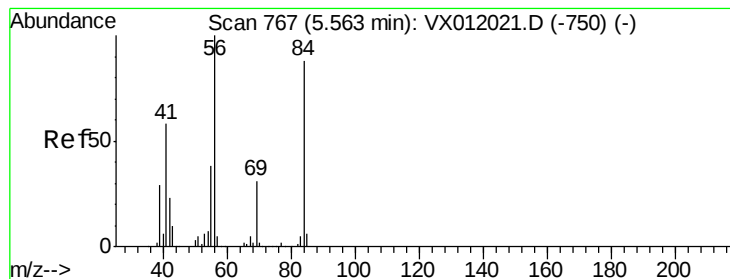
Delta R.T. 0.01 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion:	83	Resp:	57424
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8





#31

Cvclohexane

Concen: 18.667 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.01 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

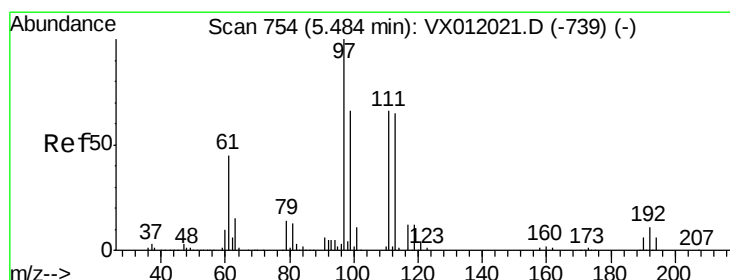
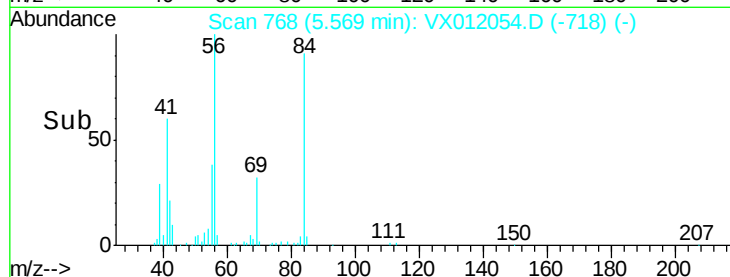
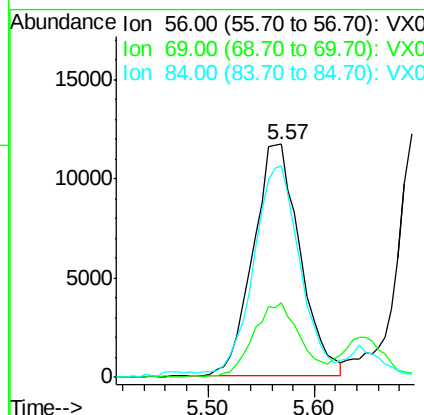
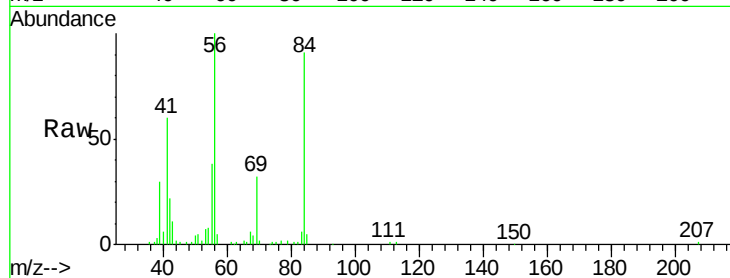
ClientSampleId :

VX0904SBSD01

Tot Ion:	56	Resp:	36145
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.7	38.5
84	88.8	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.573 ug/l

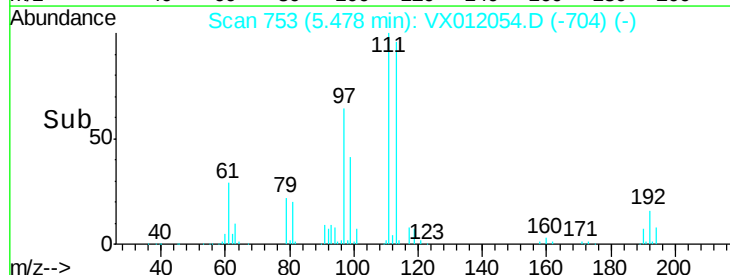
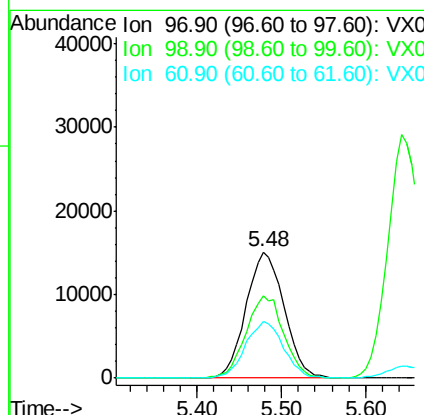
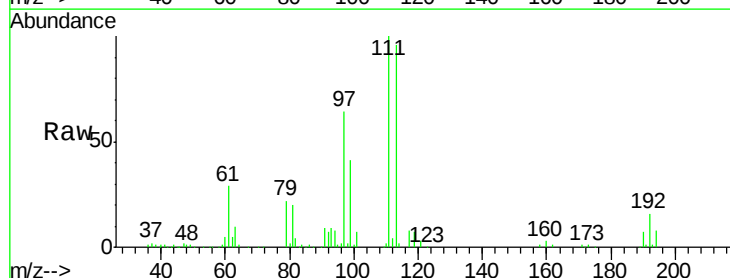
RT: 5.48 min Scan# 753

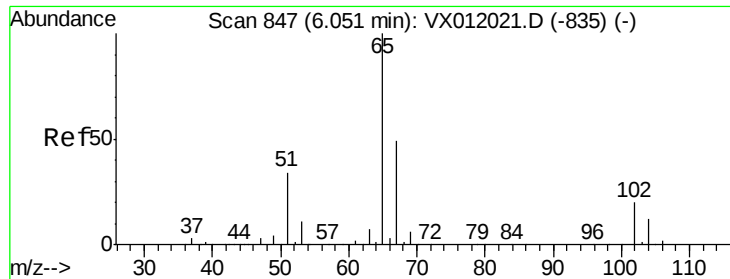
Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion:	97	Resp:	46353
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.1	78.1
61	45.1	32.8	49.2





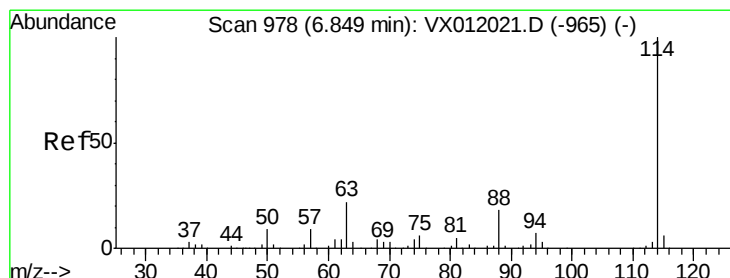
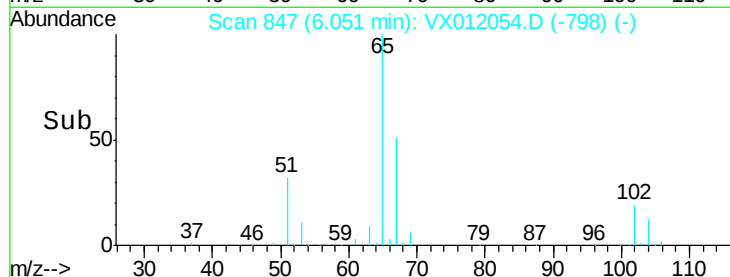
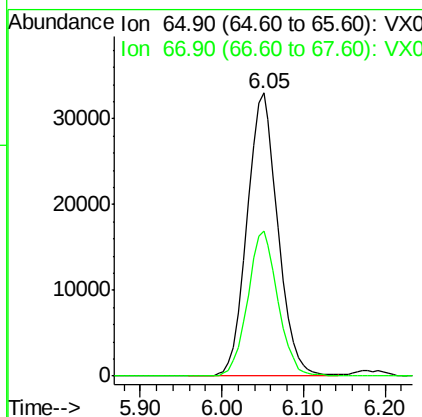
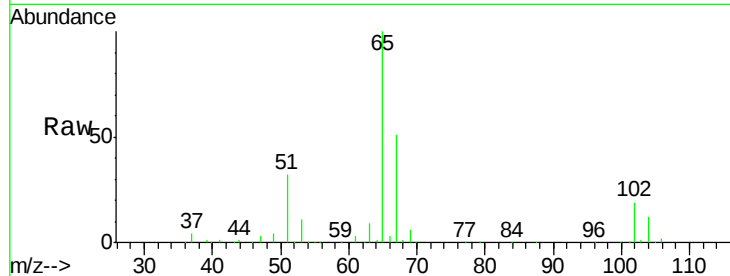
#33
 1,2-Dichloroethane-d4
 Concen: 54.981 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	86836		
67	50.2	0.0	102.0	

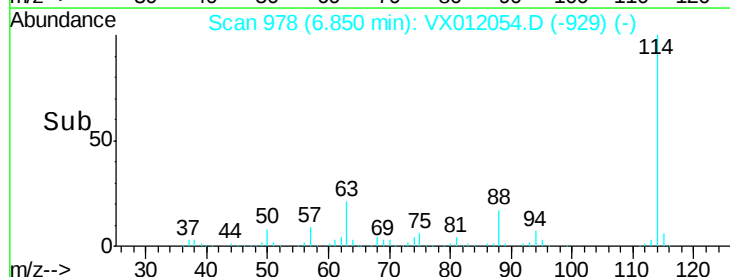
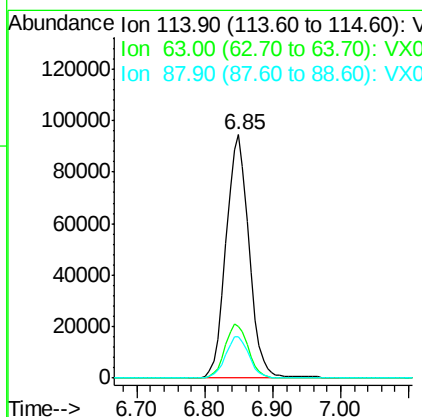
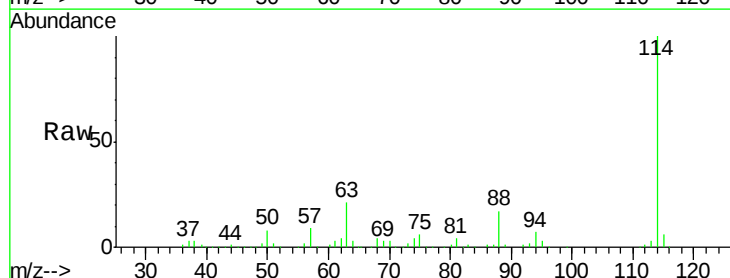
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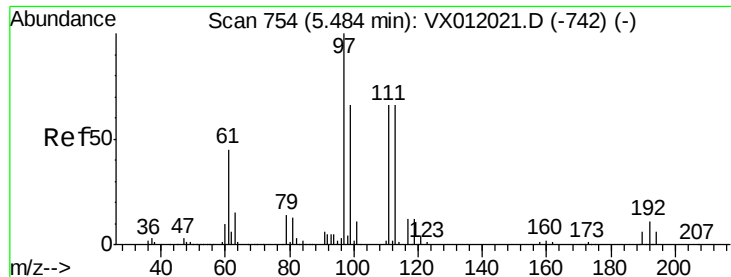
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	221976		
63	21.4	0.0	37.4	
88	17.0	0.0	29.6	





#35

Dibromofluoromethane

Concen: 50.003 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD01

Tot Ion:113 Resp: 68258

Ion Ratio Lower Upper

113 100

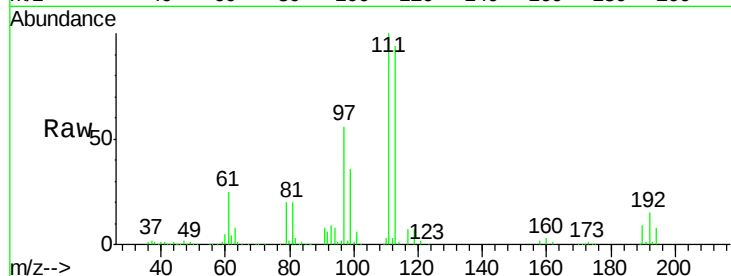
111 103.7 81.7 122.5

192 17.3 22.5 33.7#

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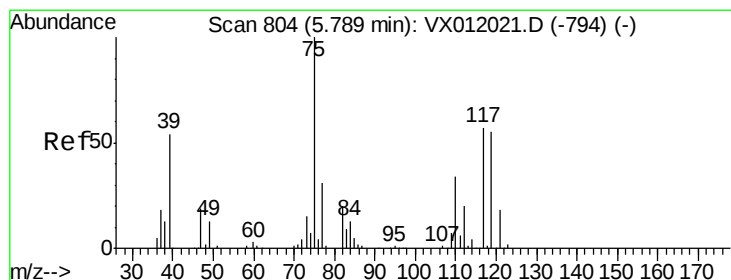
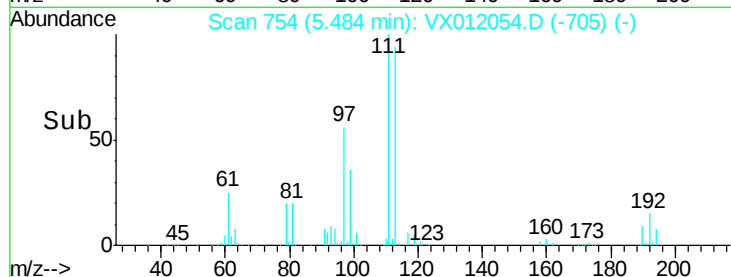
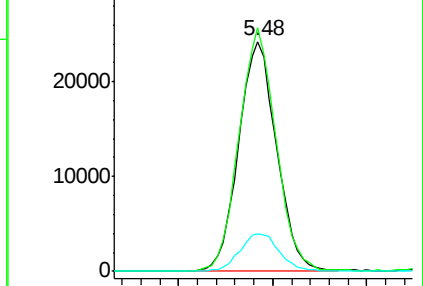
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.348 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

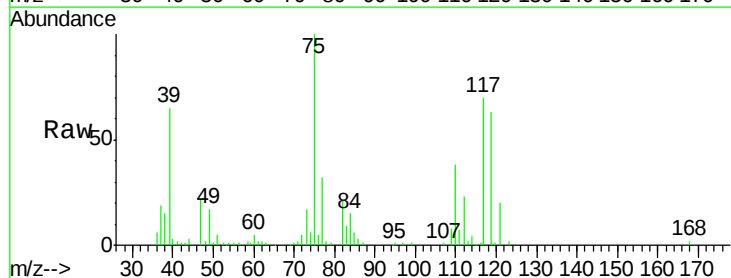
Tgt Ion: 75 Resp: 35871

Ion Ratio Lower Upper

75 100

110 36.1 19.5 58.5

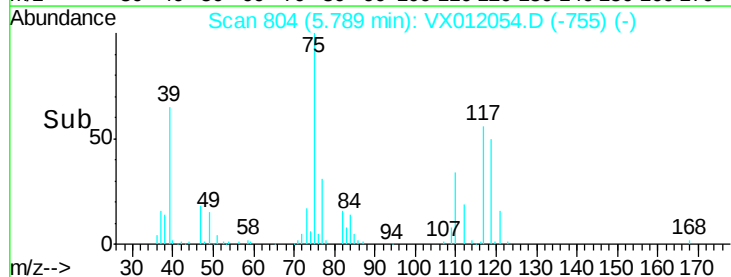
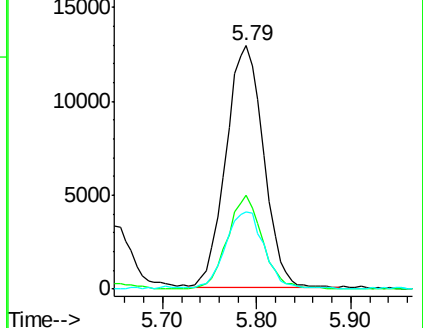
77 33.1 24.6 37.0

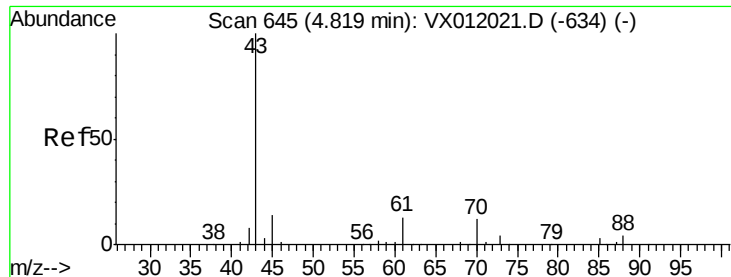


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 21.471 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

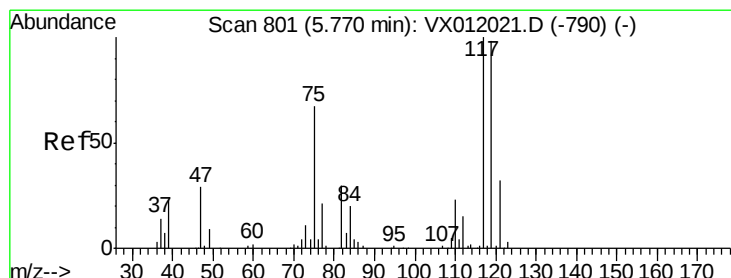
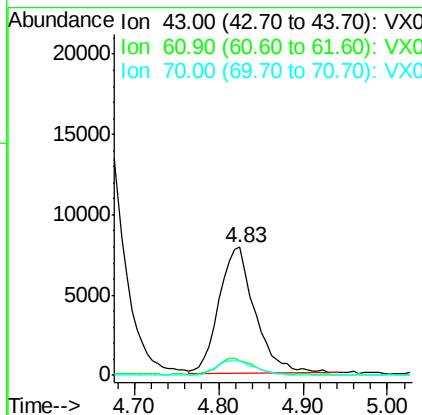
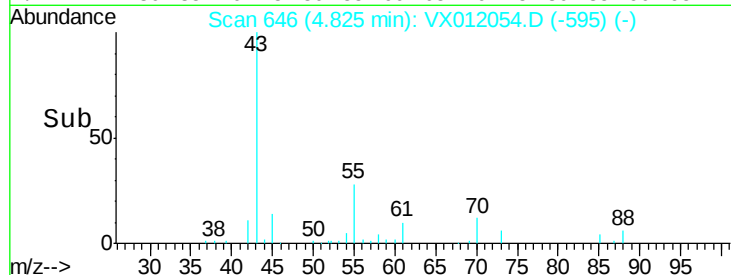
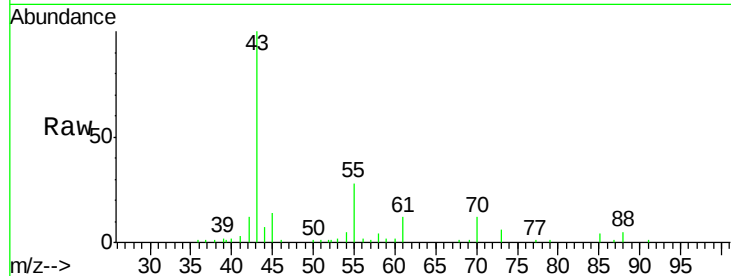
ClientSampleId :

VX0904SBS01

Tot Ion:	43	Resp:	22826
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	12.8	9.4	14.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.127 ug/l

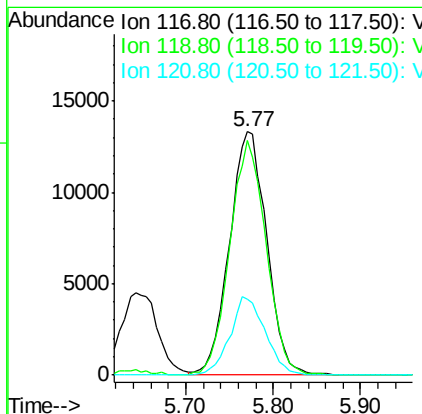
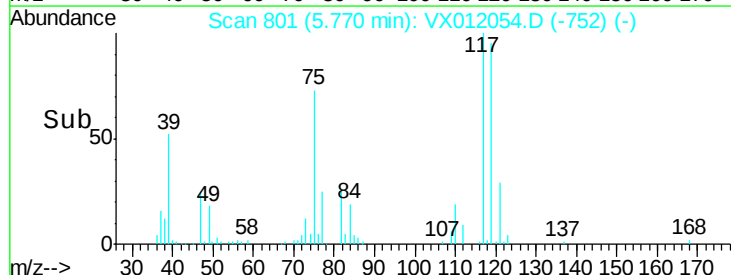
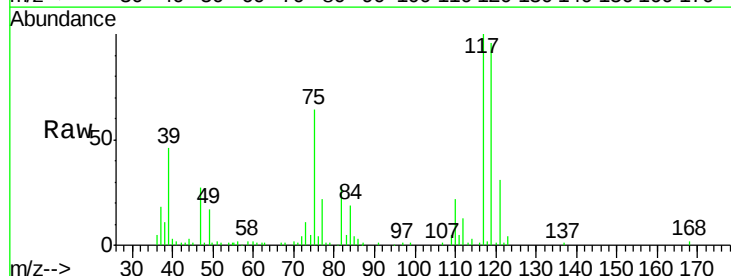
RT: 5.77 min Scan# 801

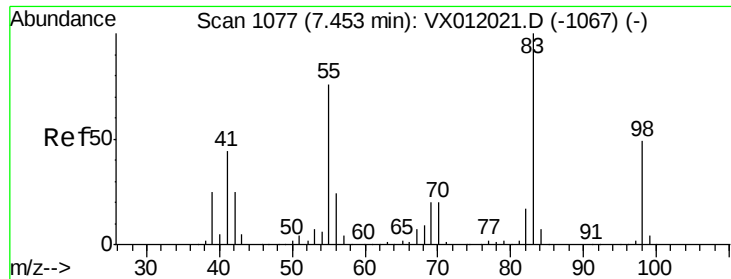
Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion:	117	Resp:	39404
Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.3	117.5
121	31.3	24.2	36.2





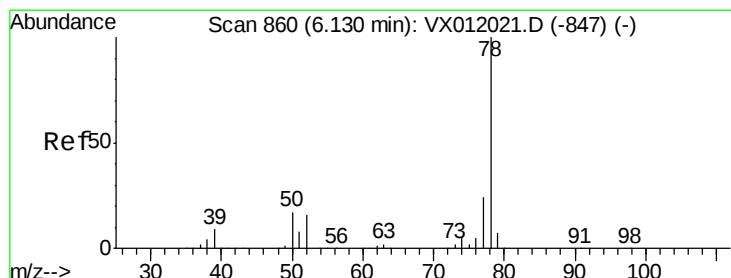
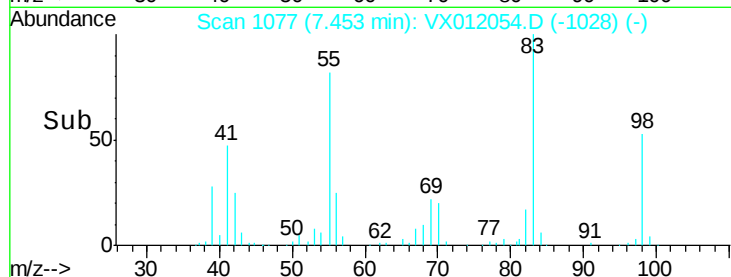
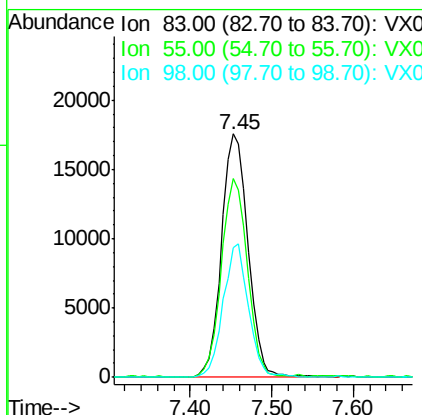
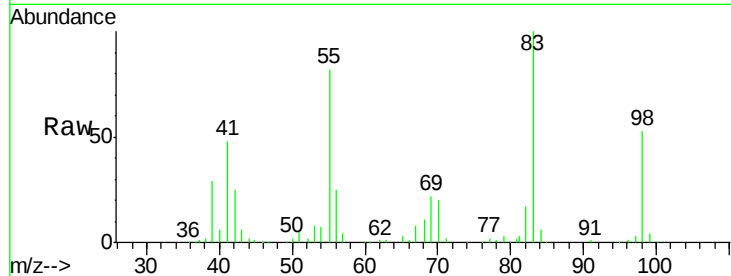
#39
Methvlcvclohexane
Concen: 17.418 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	59.6	89.4
98	53.3	41.4	62.0

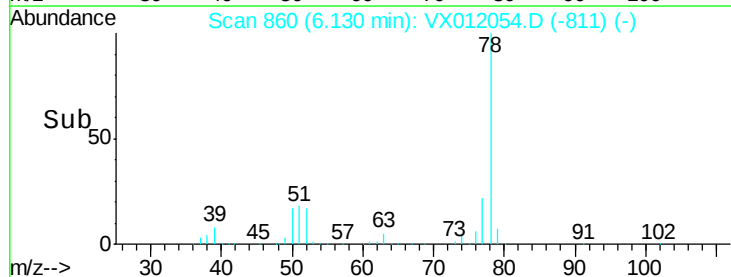
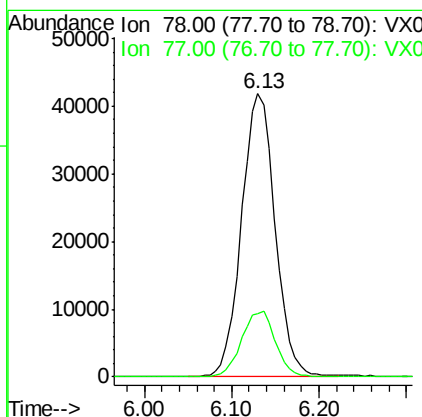
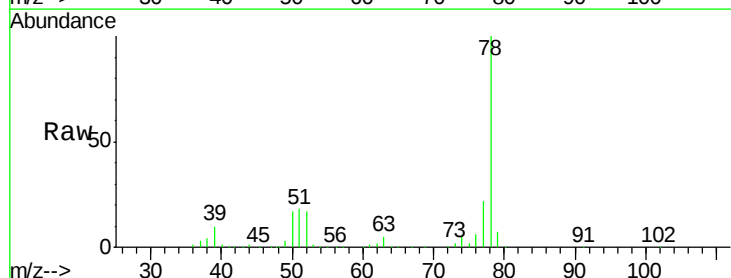
Manual Integrations
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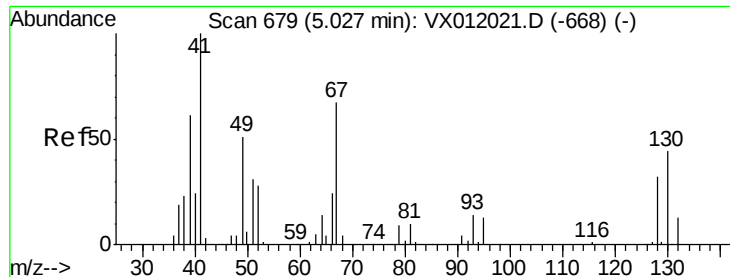
sam
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#40
Benzene
Concen: 19.922 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.3	28.9





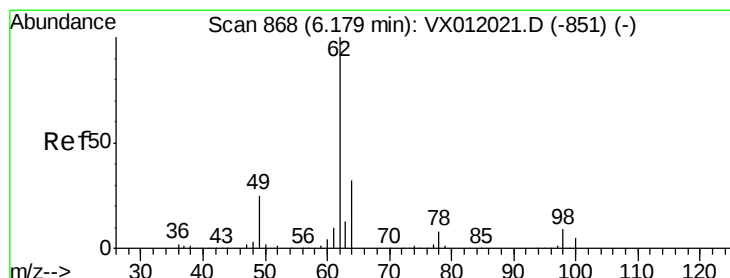
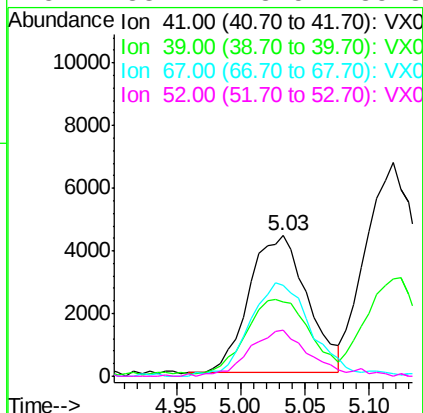
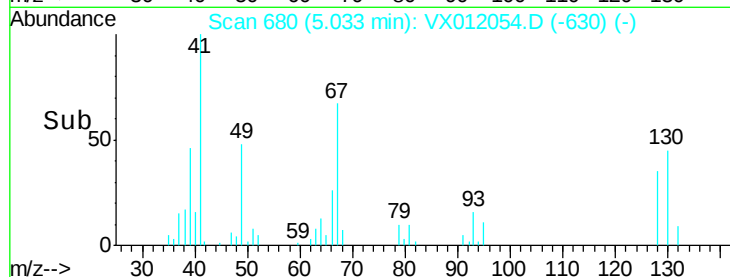
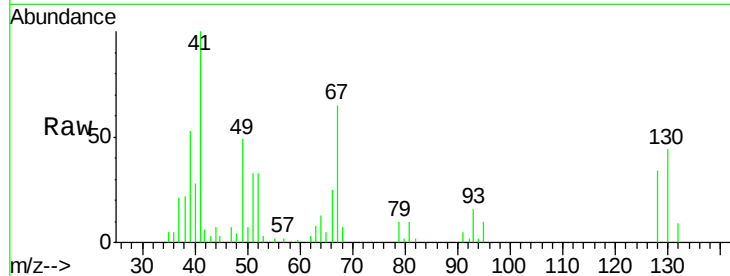
#41
Methacrylonitrile
Concen: 21.708 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS01

Tot Ion:	41	Resp:	13763
Ion	Ratio	Lower	Upper
41	100		
39	58.1	46.7	70.1
67	71.3	57.0	85.6
52	33.2	23.5	35.3

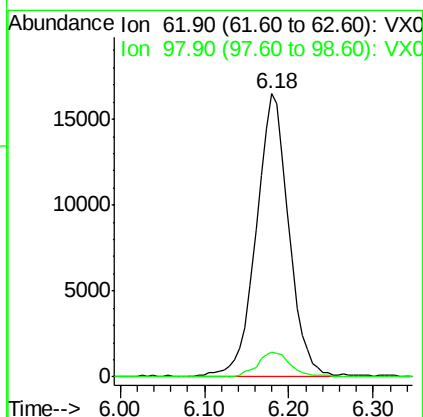
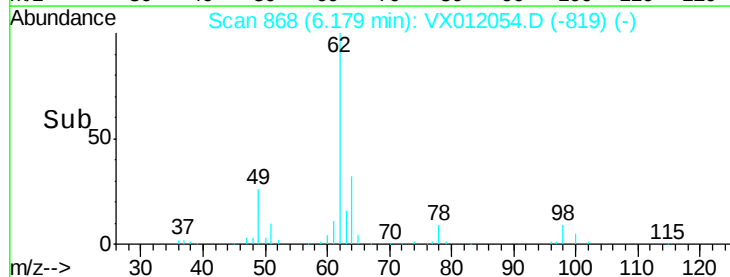
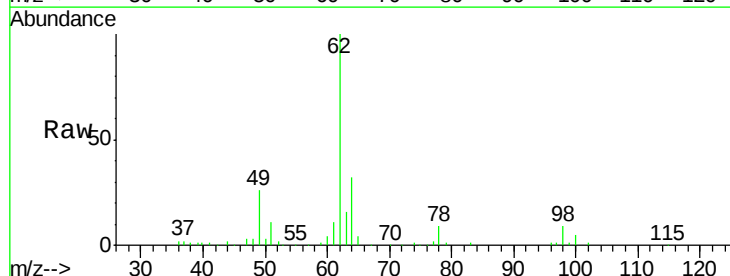
Manual Integrations
APPROVED

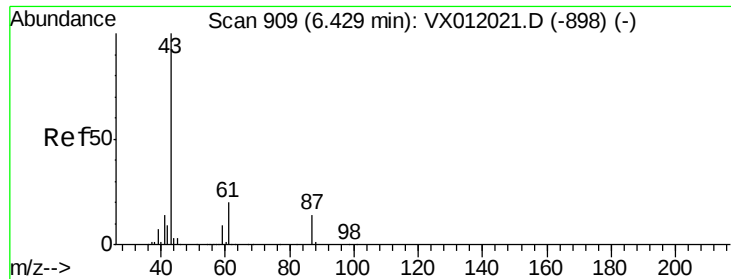
sam
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#42
1,2-Dichloroethane
Concen: 21.696 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion:	62	Resp:	43821
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	19.2





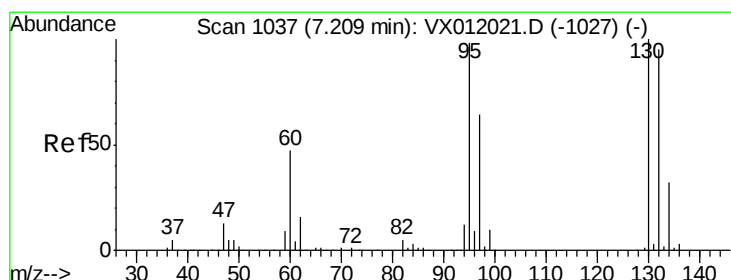
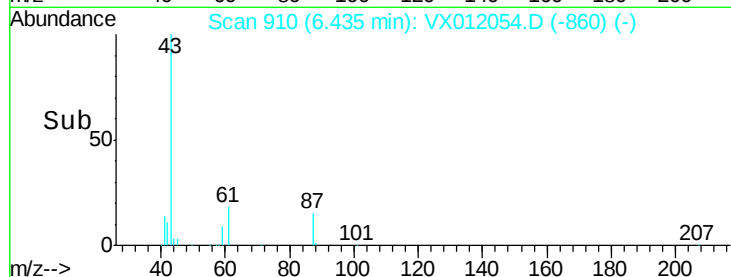
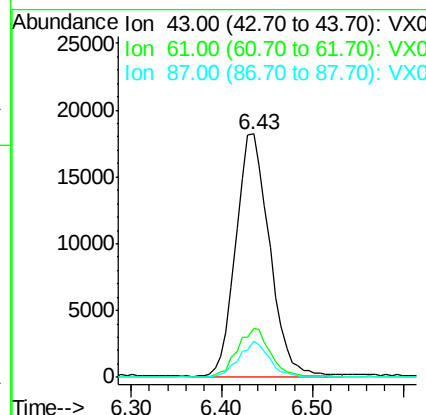
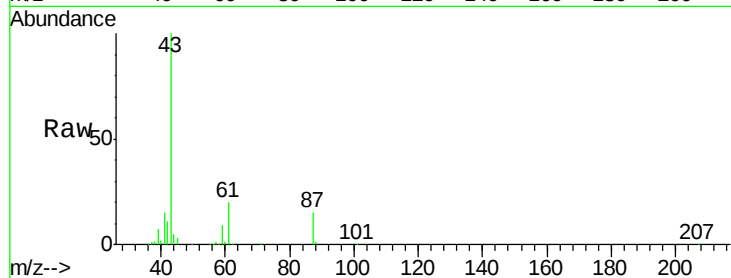
#43
Isopropyl Acetate
Concen: 21.831 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	47193		
61	61	19.8		16.1	24.1
87	87	13.3		11.3	16.9

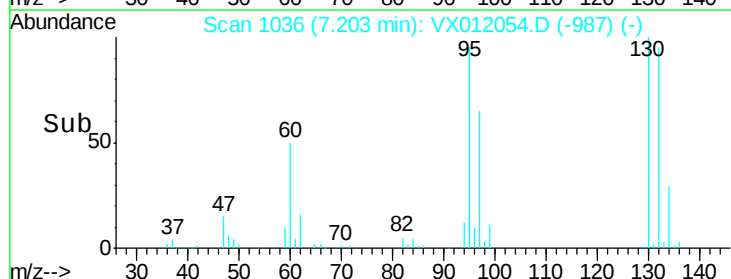
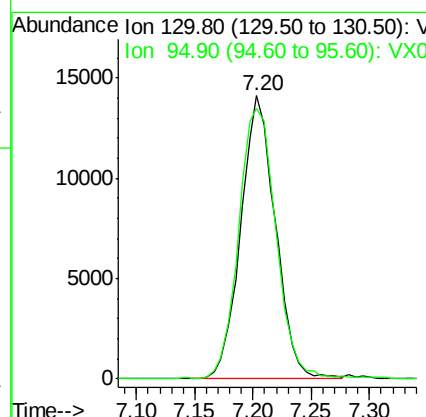
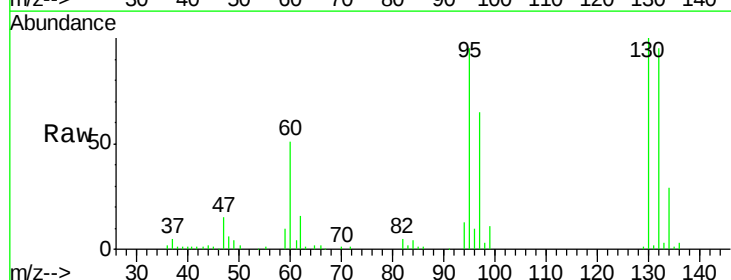
Manual Integrations
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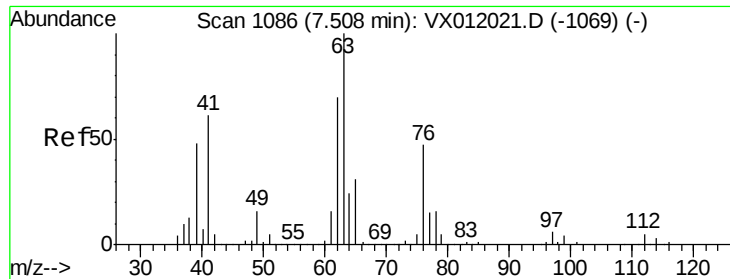
sam
9/5/2019 2:55:49 PM



#44
Trichloroethene
Concen: 19.410 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130	130	100	29383		
95	95	95.4		0.0	176.4





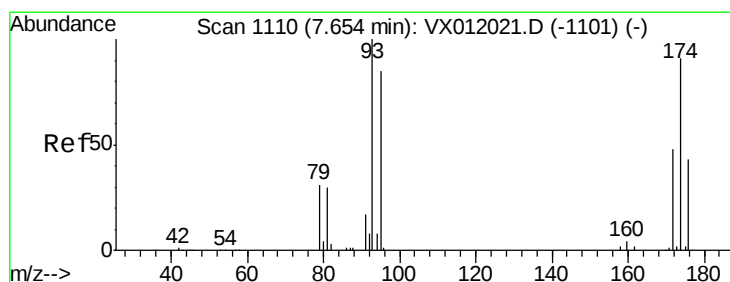
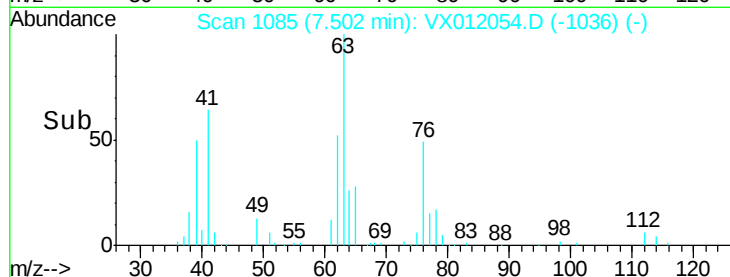
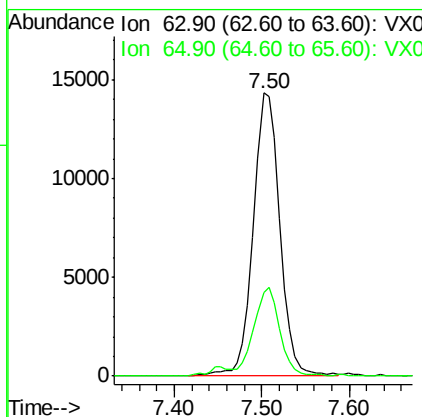
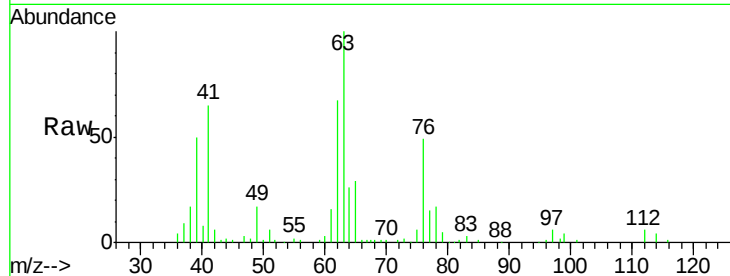
#45
 1,2-Dichloropropane
 Concen: 20.950 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD01

Tot Ion: 63 Resp: 30379
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.0 37.6

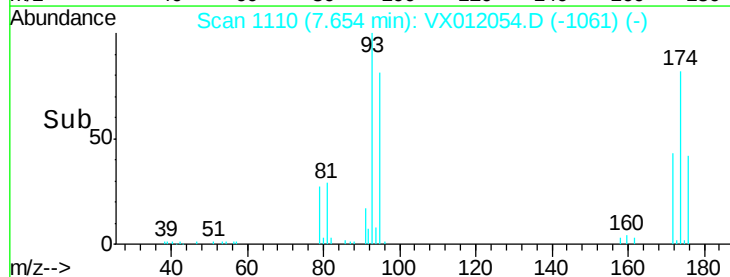
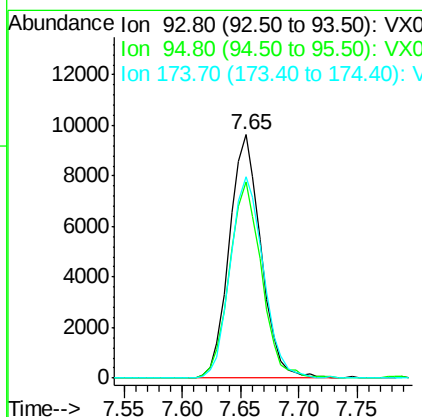
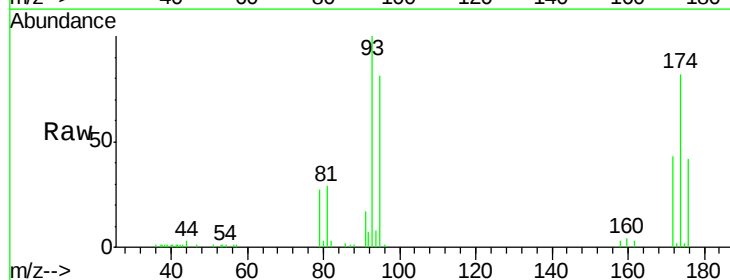
Manual Integrations
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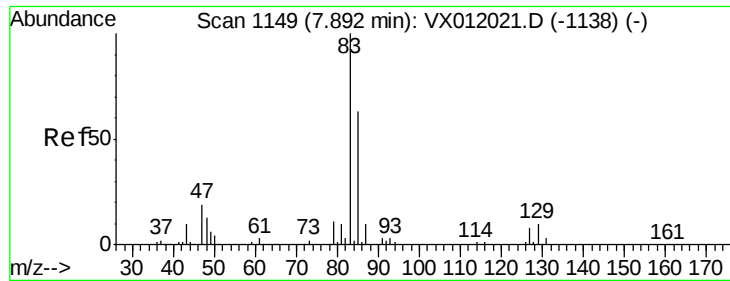
sam
 9/5/2019 2:55:49 PM



#46
 Dibromomethane
 Concen: 21.517 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion: 93 Resp: 18214
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.2 99.2
 174 86.5 110.2 165.4#





#47

Bromodichloromethane

Concen: 20.889 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

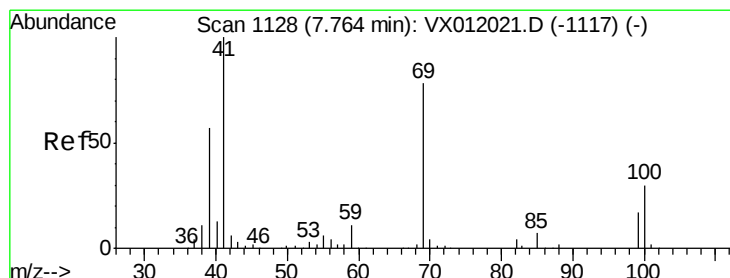
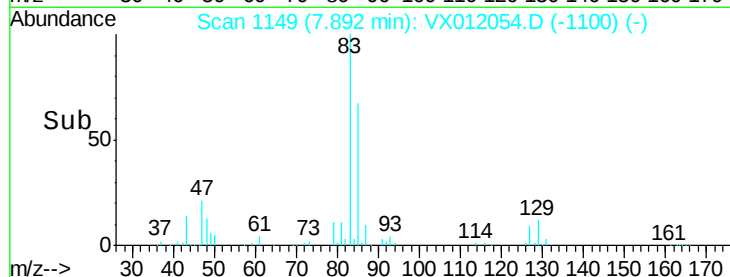
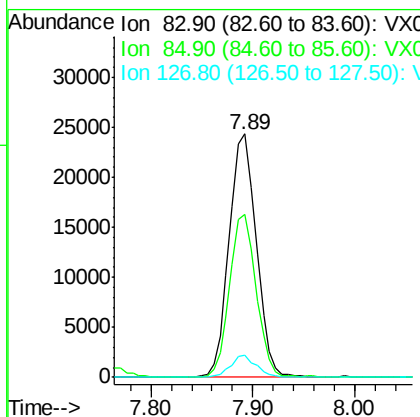
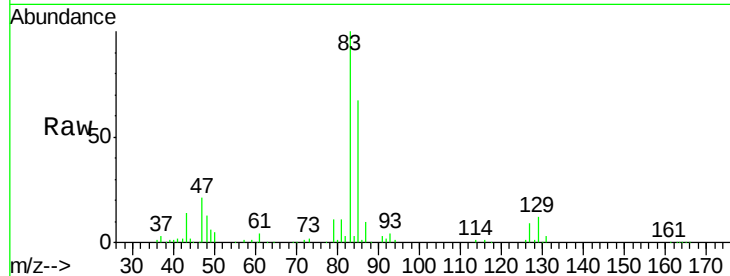
ClientSampleId :

VX0904SBS01

Tot Ion:	83	Resp:	44946
Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.3	75.5
127	8.9	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.839 ug/l

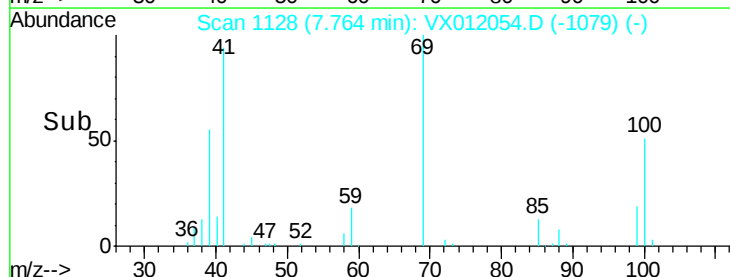
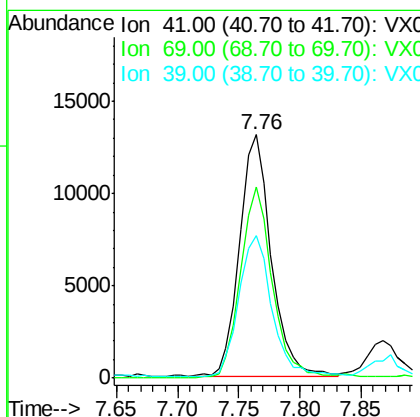
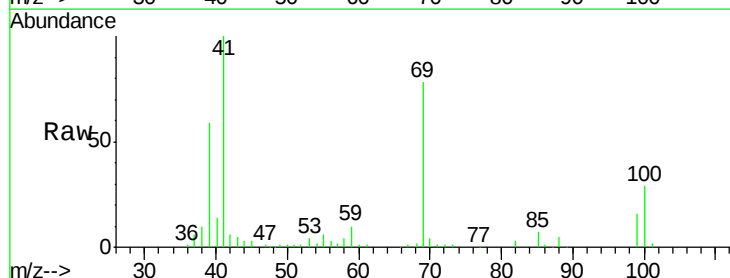
RT: 7.76 min Scan# 1128

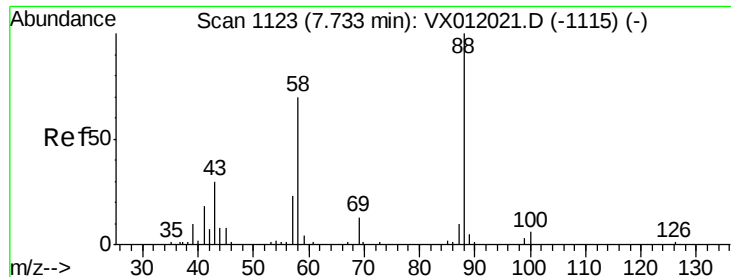
Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion:	41	Resp:	23737
Ion	Ratio	Lower	Upper
41	100		
69	79.9	66.3	99.5
39	60.5	48.1	72.1





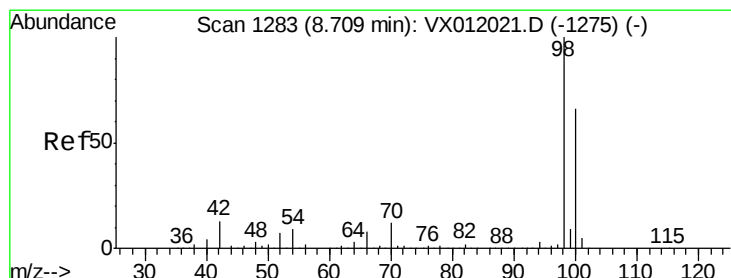
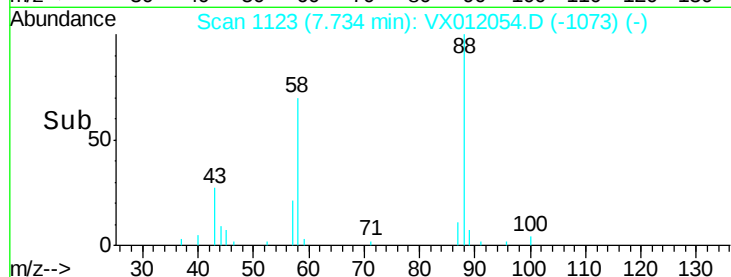
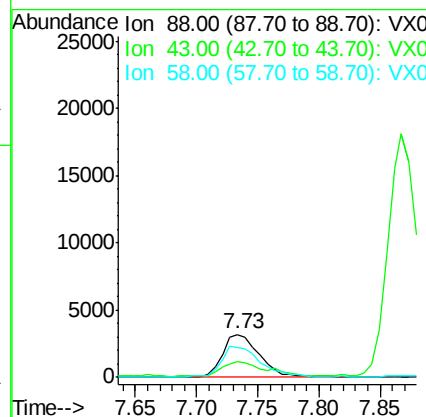
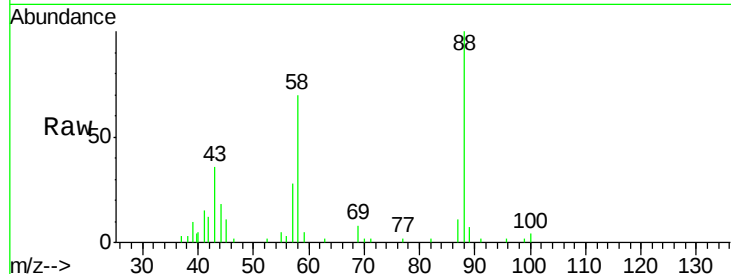
#49
1,4-Dioxane
Concen: 451.976 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.8	29.8	44.6#
58	77.7	55.4	83.2

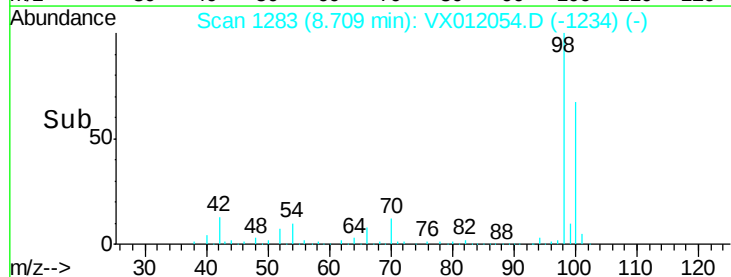
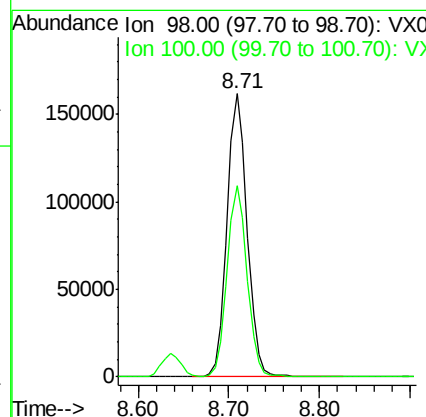
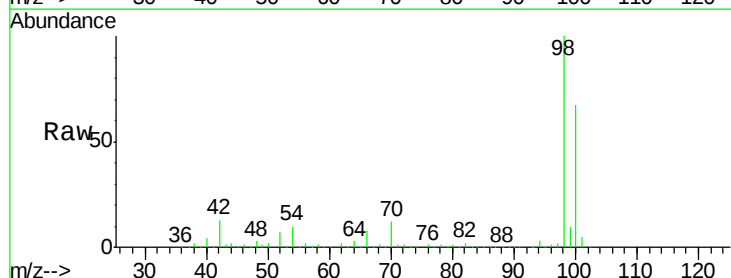
Manual Integrations
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#50
Toluene-d8
Concen: 49.868 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.3	79.9





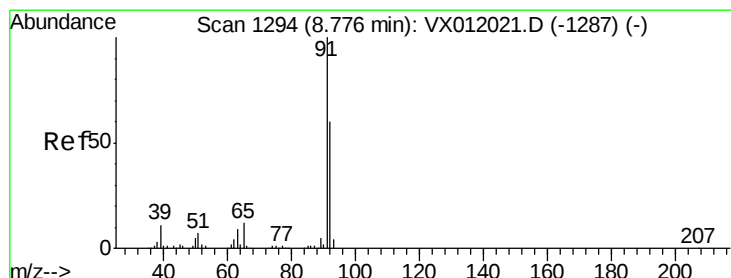
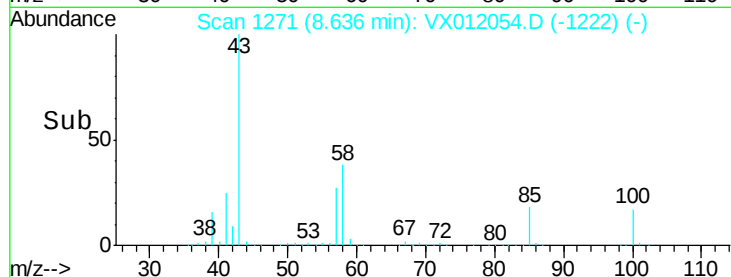
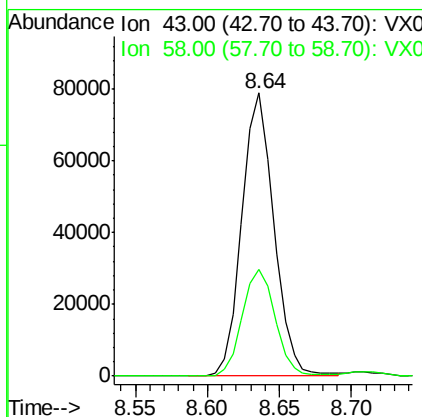
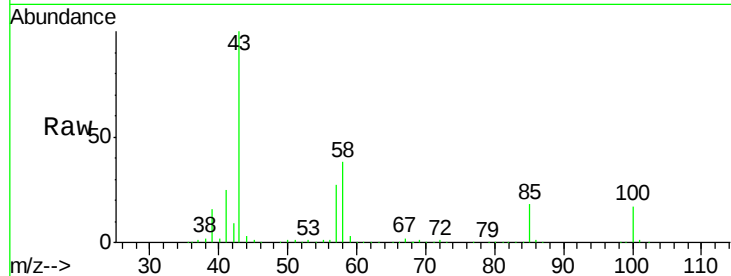
#51
4-Methyl-2-Pentanone
Concen: 110.781 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD01

Tot Ion	43	58	Ratio	Lower	Upper
121807	100	38.7		31.5	47.3

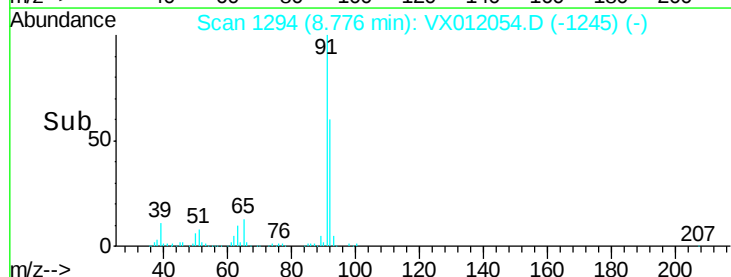
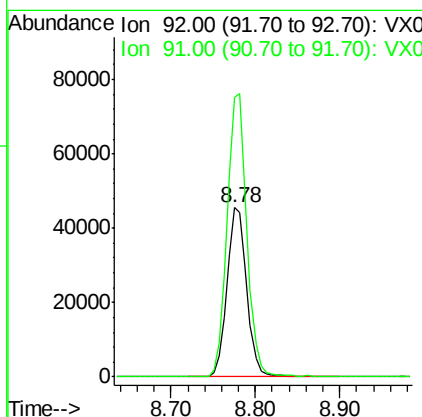
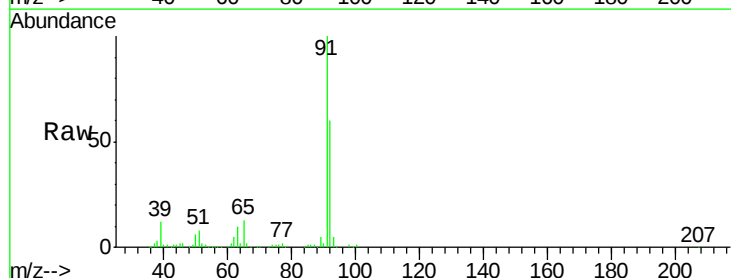
Manual Integrations
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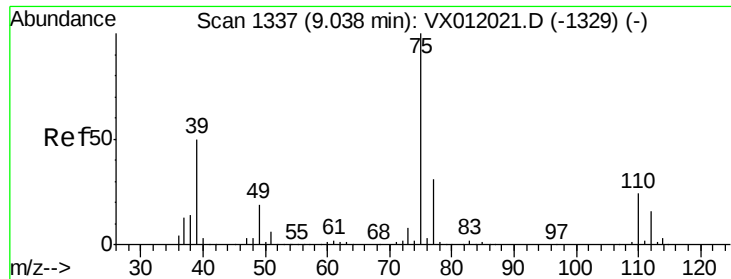
Sam
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#52
Toluene
Concen: 20.029 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	92	91	Ratio	Lower	Upper
73144	100	166.8		136.0	204.0





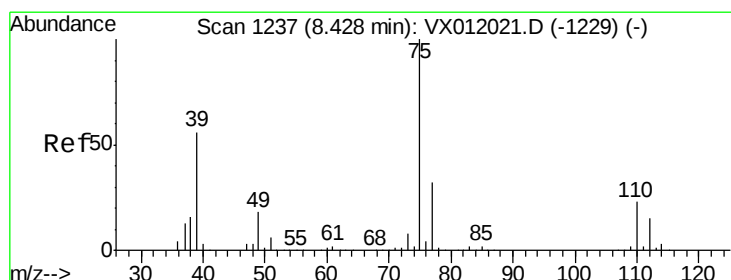
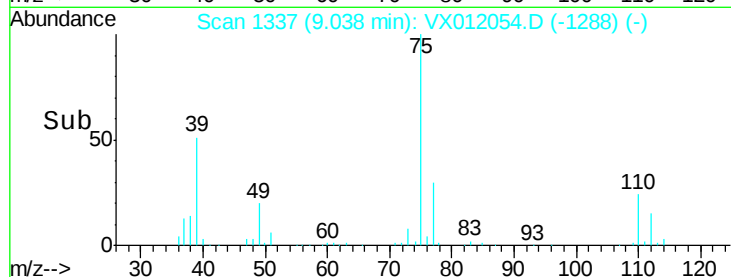
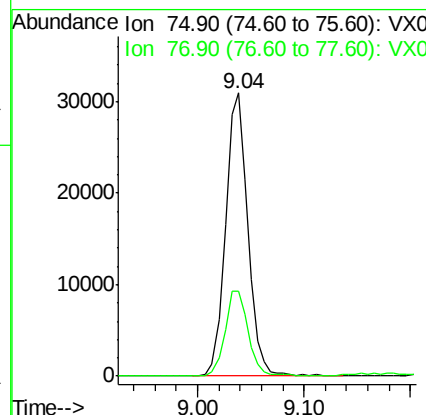
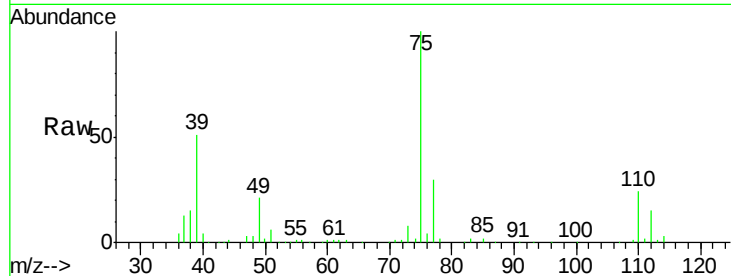
#53
 t-1,3-Dichloropropene
 Concen: 20.282 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBS01

Tot Ion: 75 Resp: 45180
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.1 37.7

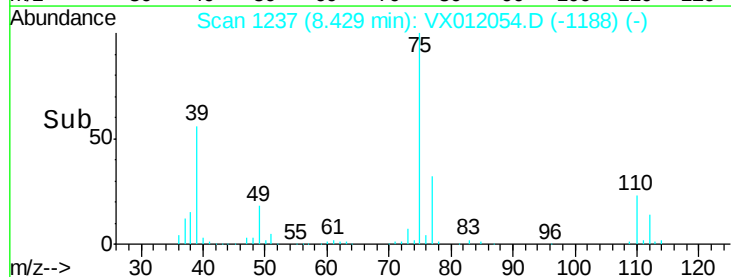
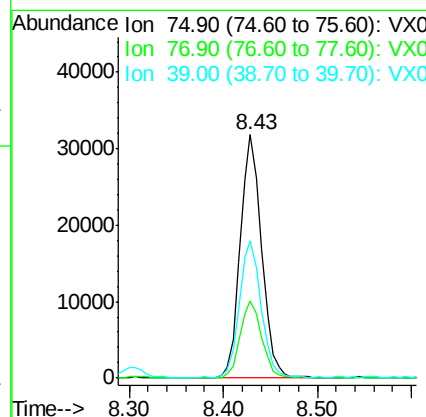
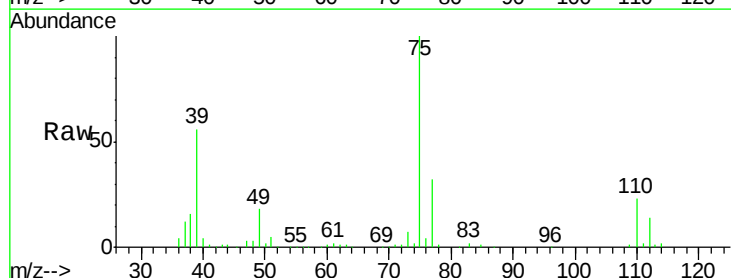
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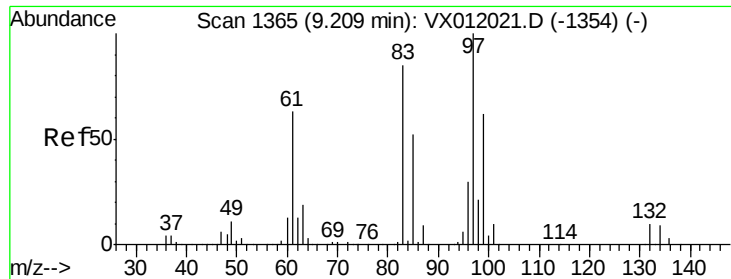
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 20.290 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion: 75 Resp: 50262
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 55.9 43.0 64.4





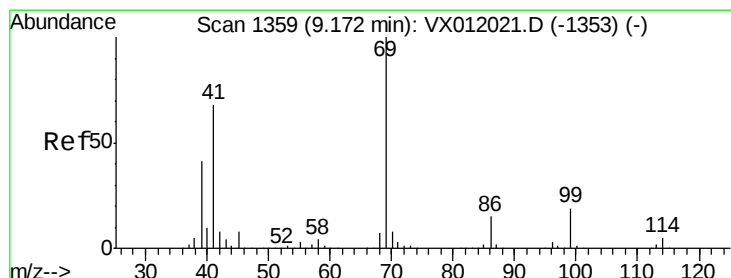
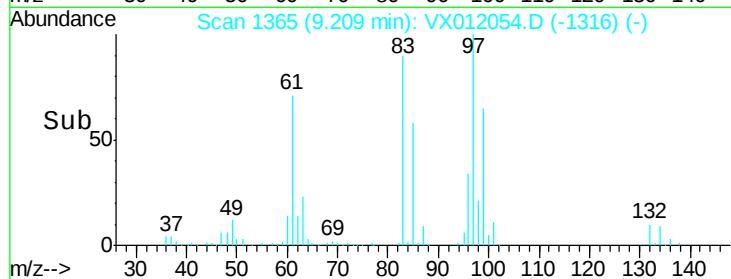
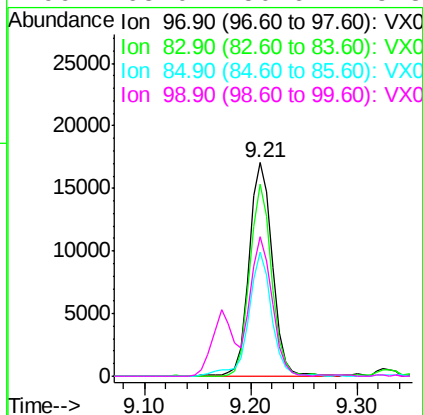
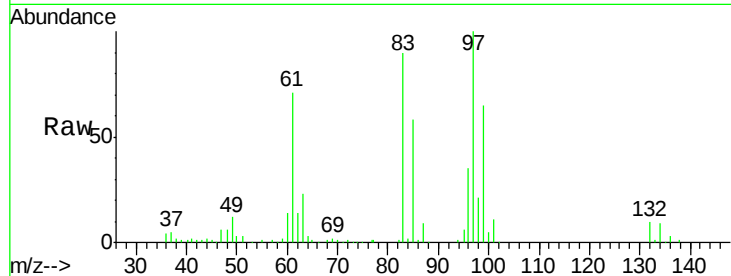
#55
 1,1,2-Trichloroethane
 Concen: 21.627 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD01

Tot Ion:	97	Resp:	26173
Ion	Ratio	Lower	Upper
97	100		
83	90.2	66.0	99.0
85	58.4	41.0	61.6
99	65.0	50.6	75.8

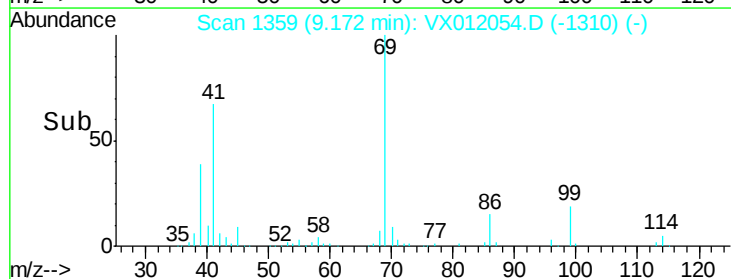
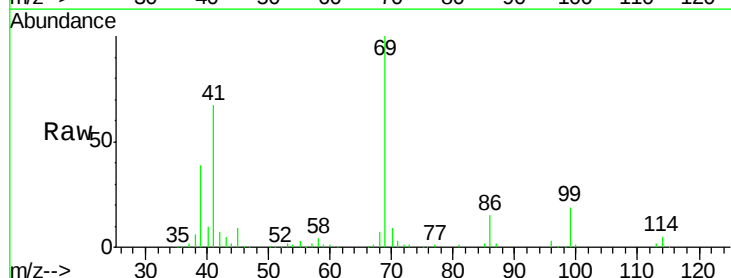
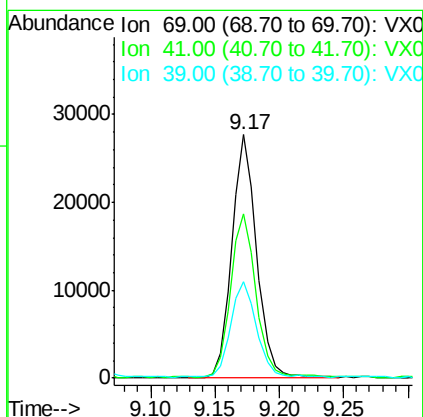
Manual Integrations
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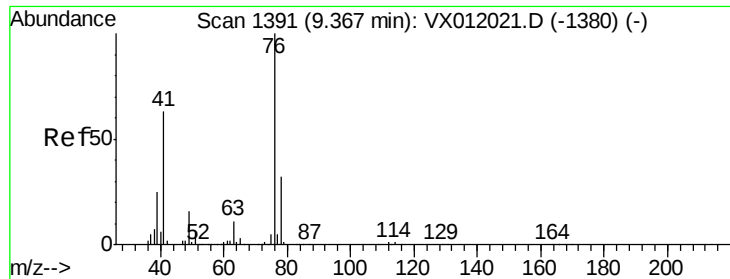
sam
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#56
 Ethyl methacrylate
 Concen: 21.557 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion:	69	Resp:	37369
Ion	Ratio	Lower	Upper
69	100		
41	68.7	53.9	80.9
39	41.0	31.1	46.7





#57

1,3-Dichloropropane

Concen: 21.647 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS01

Tot Ion: 76 Resp: 45207

Ion Ratio Lower Upper

76 100

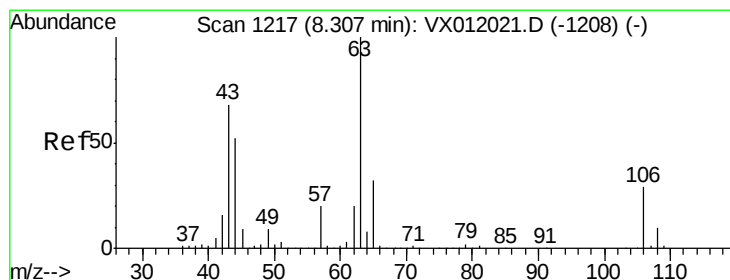
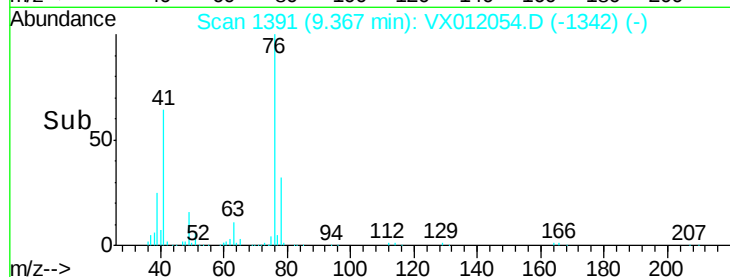
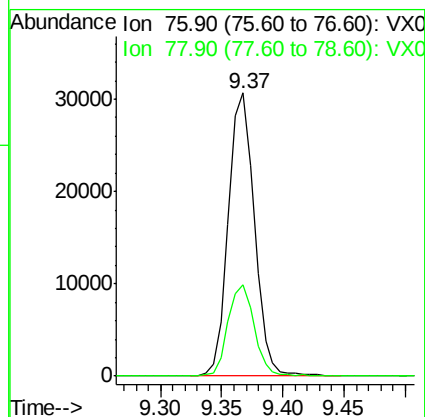
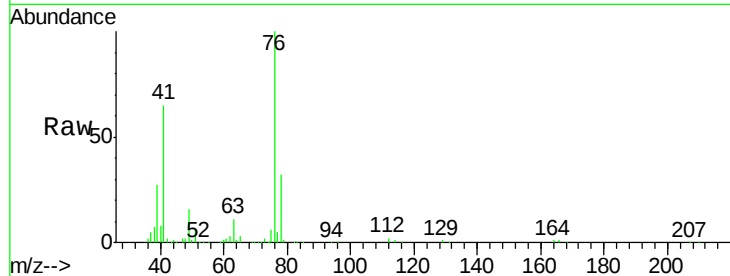
78 32.8 25.5 38.3

Manual Integrations

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sam

9/5/2019 2:55:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 111.903 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX012054.D

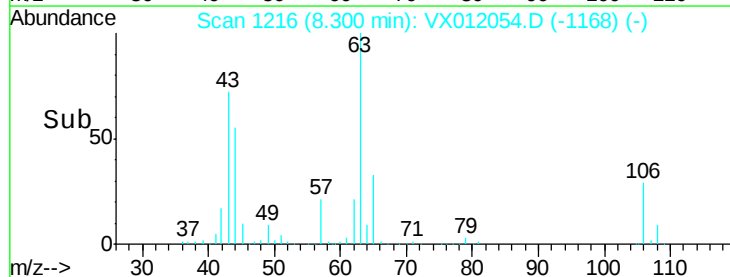
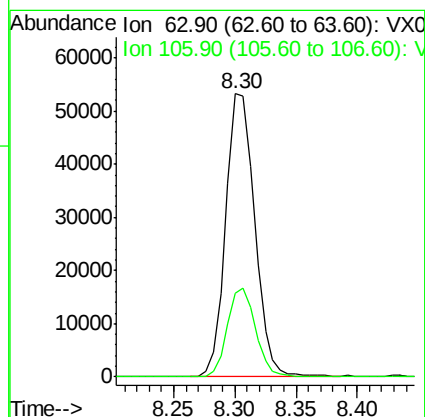
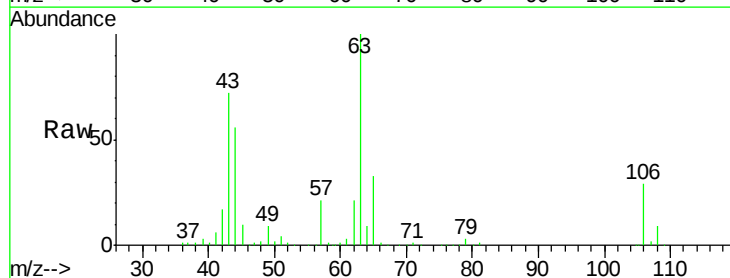
Acq: 04 Sep 2019 16:15

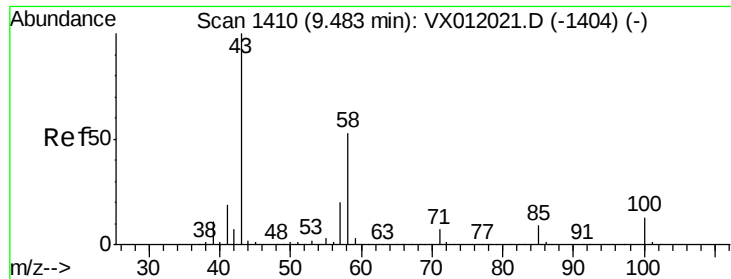
Tgt Ion: 63 Resp: 87455

Ion Ratio Lower Upper

63 100

106 30.6 26.5 39.7





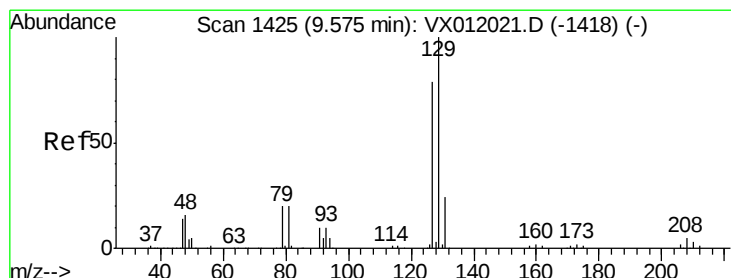
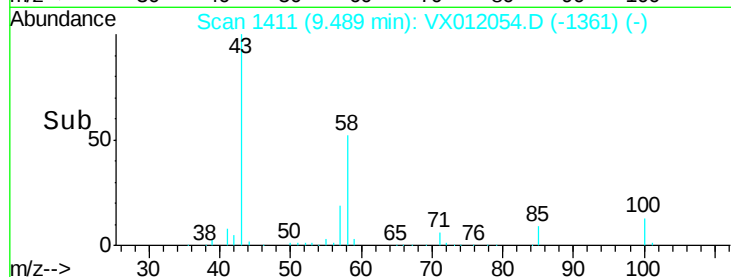
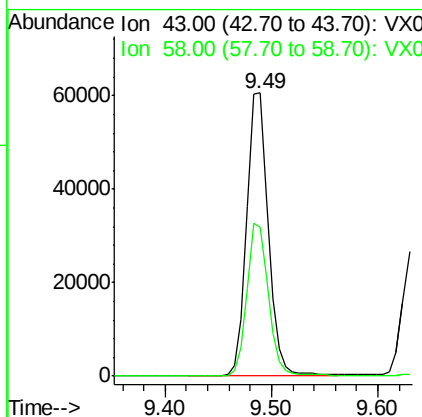
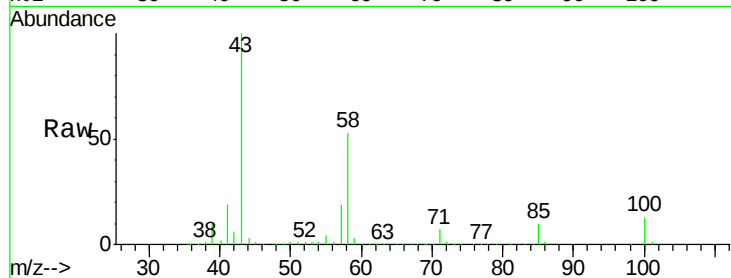
#59
2-Hexanone
Concen: 108.391 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD01

Tot Ion: 43 Resp: 86962
Ion Ratio Lower Upper
43 100
58 54.0 27.2 81.6

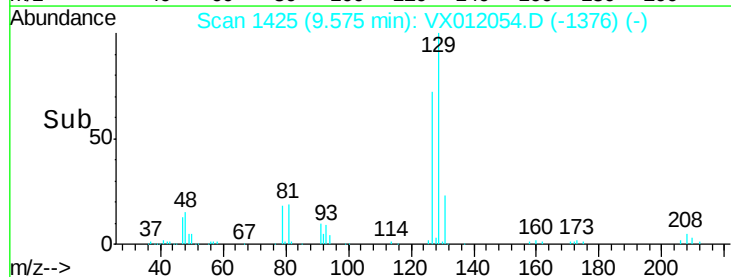
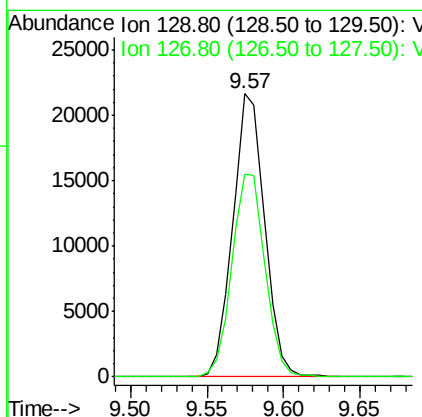
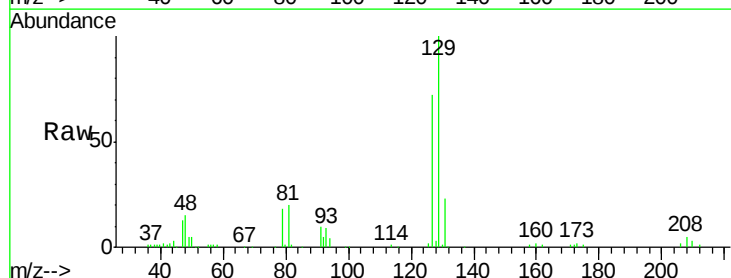
Manual Integrations
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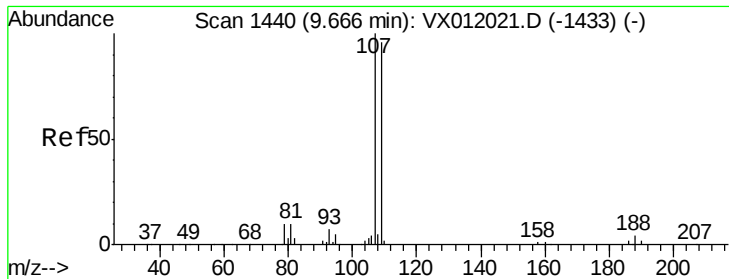
sam
9/5/2019 2:55:49 PM



#60
Dibromochloromethane
Concen: 21.633 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion:129 Resp: 31202
Ion Ratio Lower Upper
129 100
127 74.5 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.691 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS01

Tot Ion:107 Resp: 25366

Ion Ratio Lower Upper

107 100

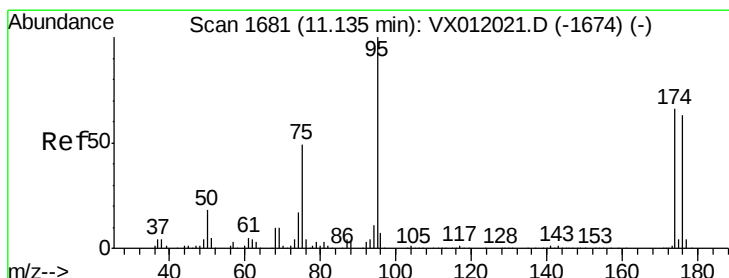
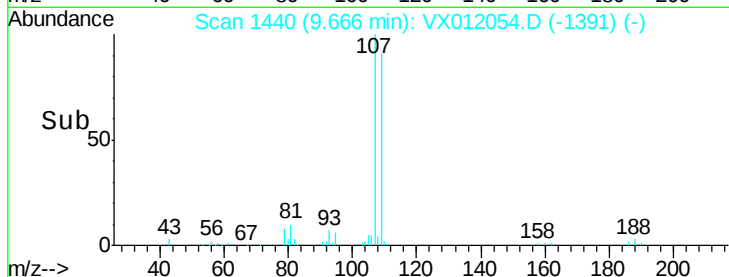
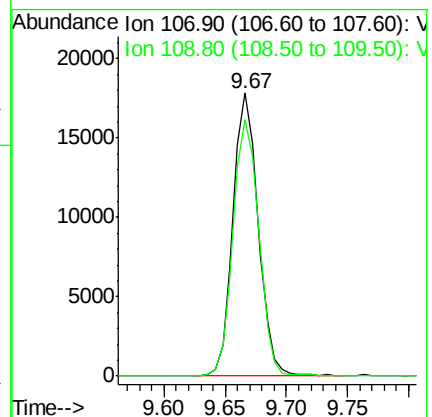
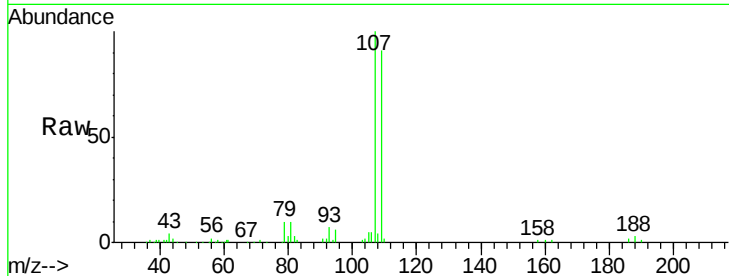
109 92.5 76.9 115.3

Manual Integrations

APPROVED

sam

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#62

4-Bromofluorobenzene

Concen: 48.055 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

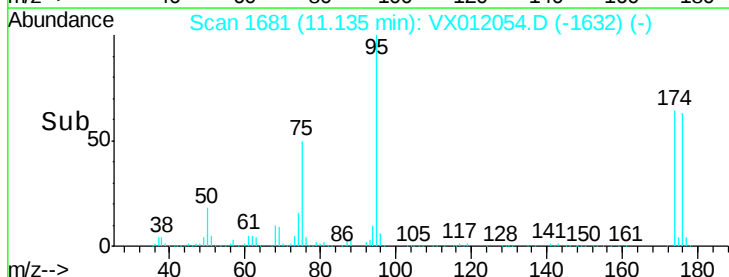
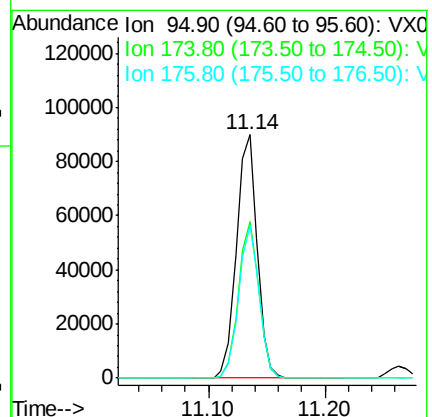
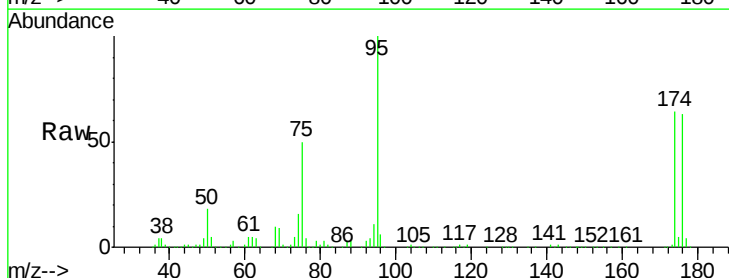
Tgt Ion: 95 Resp: 111949

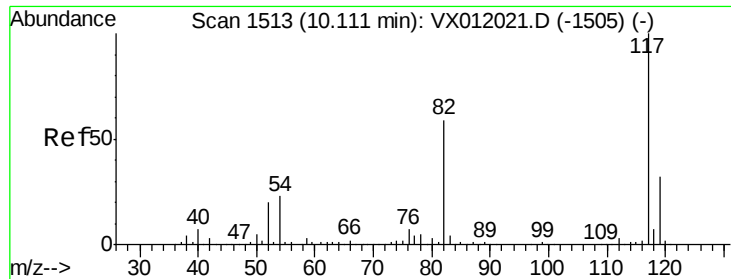
Ion Ratio Lower Upper

95 100

174 63.5 0.0 205.4

176 61.4 0.0 201.8





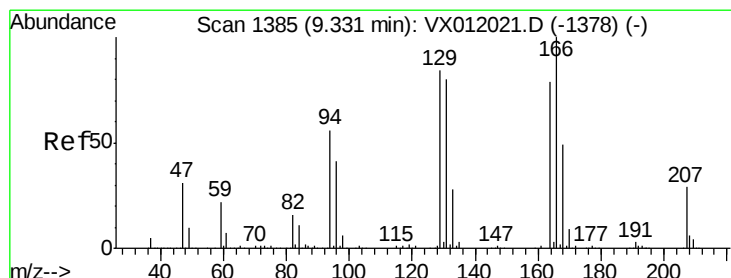
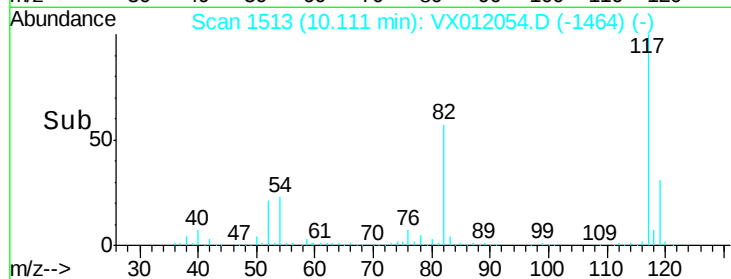
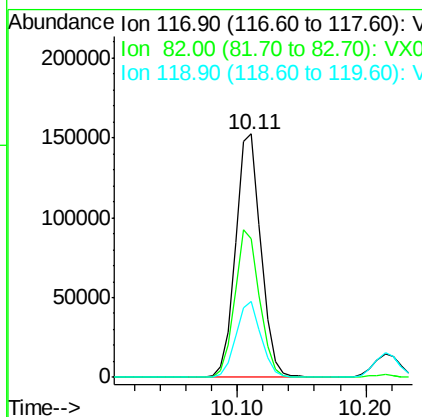
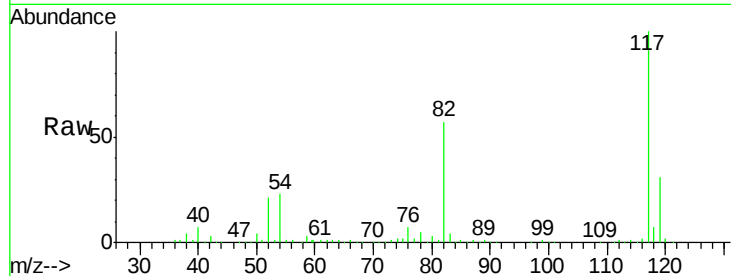
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	39.4	59.0
119	31.4	26.1	39.1

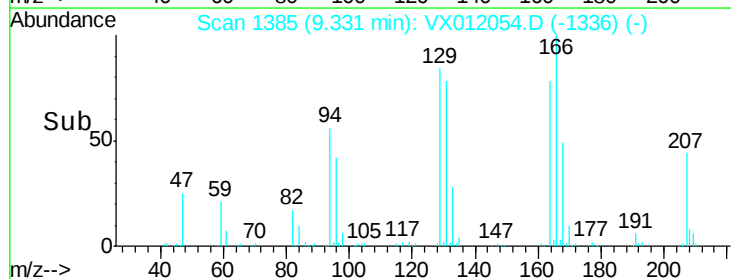
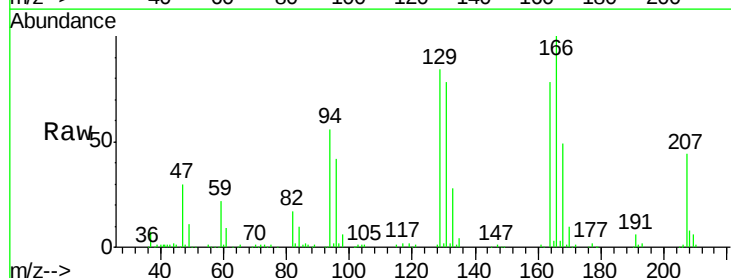
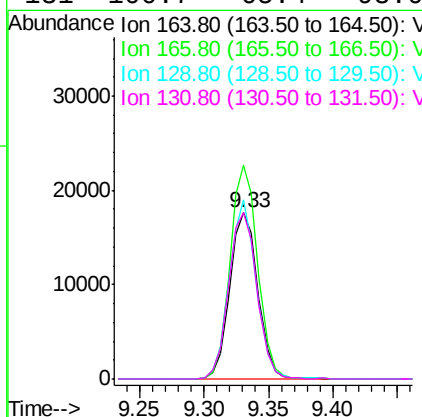
Manual Integrations
APPROVED

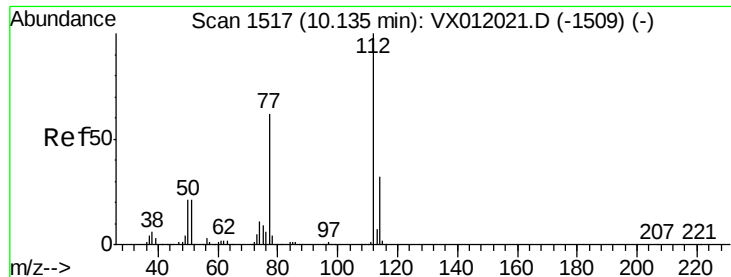
sam
9/5/2019 2:55:49 PM



#64
Tetrachloroethene
Concen: 20.696 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	104.3	156.5
129	108.2	68.3	102.5#
131	100.7	65.4	98.0#





#65

Chlorobenzene

Concen: 20.002 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD01

Tot Ion:112 Resp: 82229

Ion Ratio Lower Upper

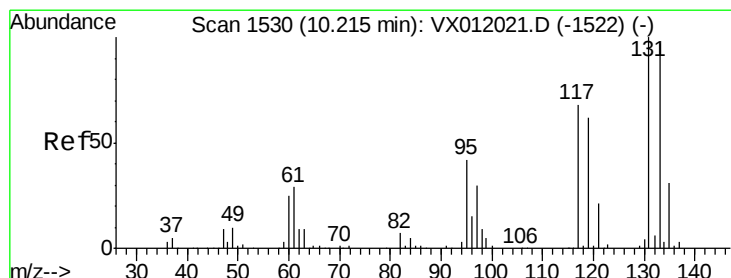
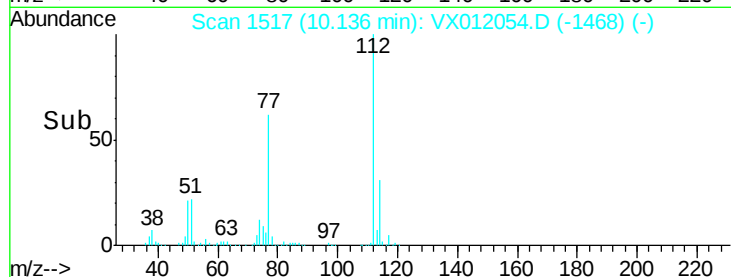
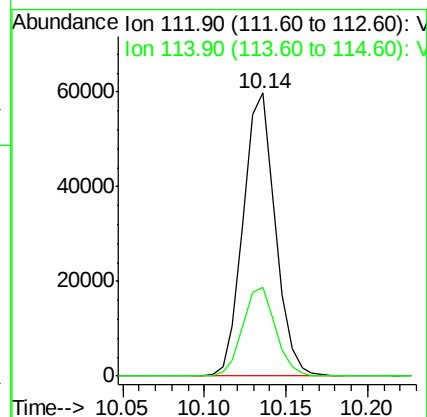
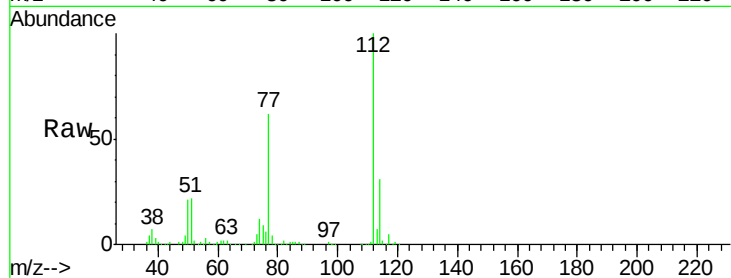
112 100

114 31.3 26.2 39.2

Manual Integrations
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sam

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.459 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

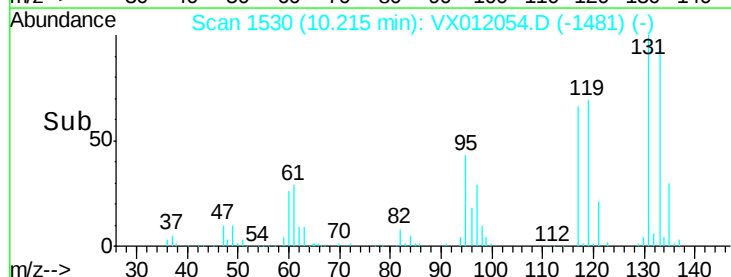
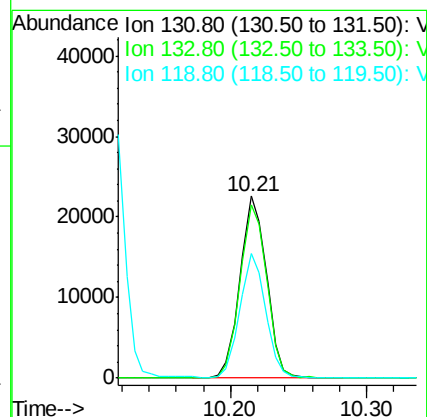
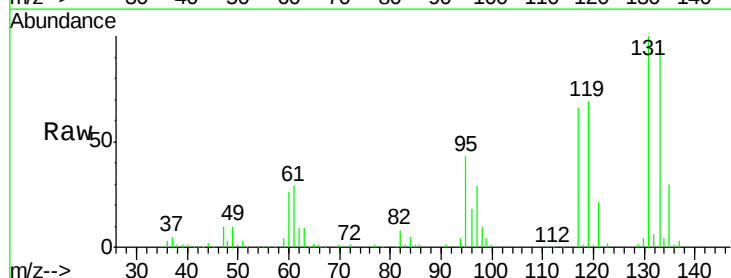
Tgt Ion:131 Resp: 30754

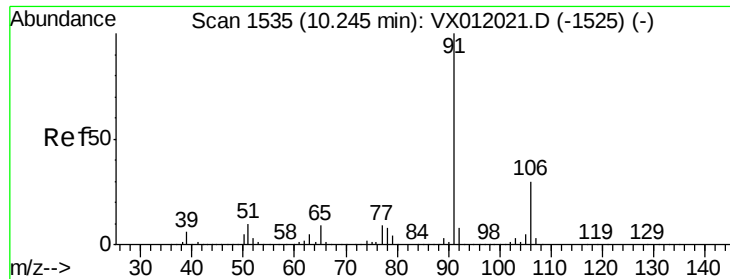
Ion Ratio Lower Upper

131 100

133 96.1 48.4 145.0

119 67.0 30.5 91.5





#67

Ethyl Benzene

Concen: 19.361 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

VX0904SBS01

Tot Ion: 91 Resp: 145085

Ion Ratio Lower Upper

91 100

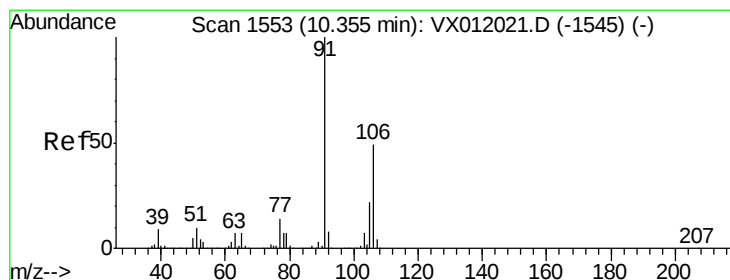
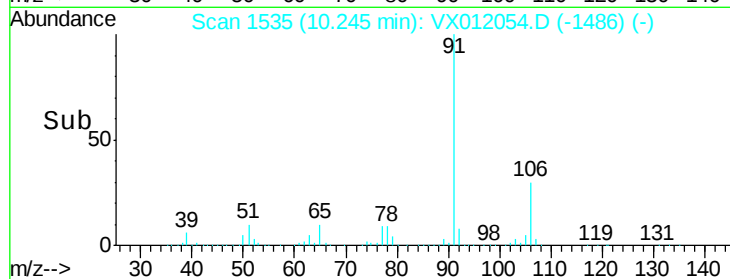
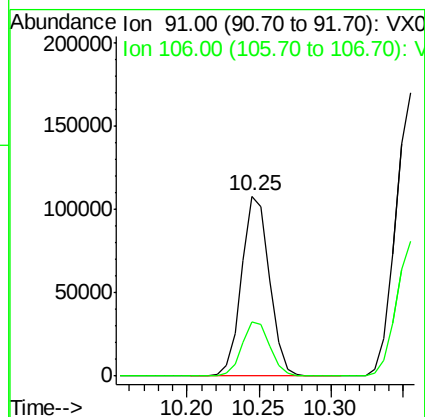
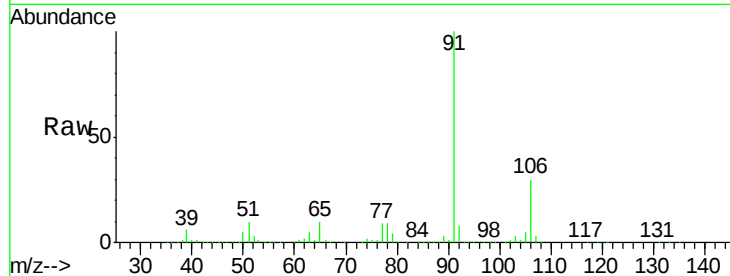
106 30.3 25.8 38.8

Manual Integrations

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Sam

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#68

m/p-Xylenes

Concen: 38.462 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012054.D

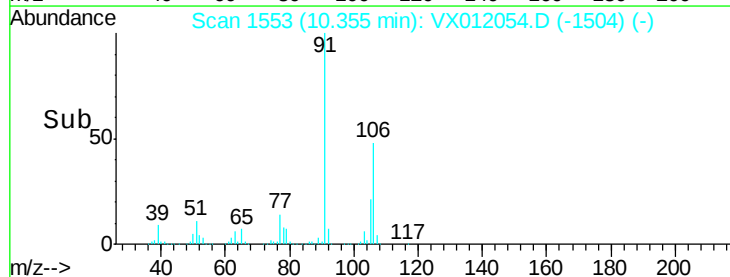
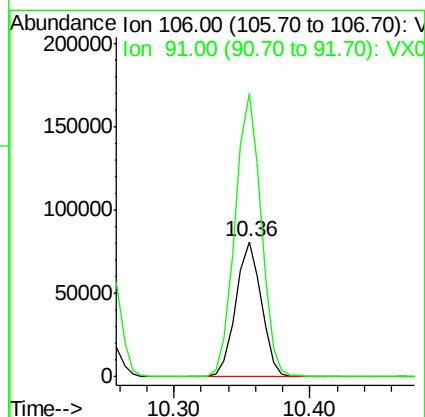
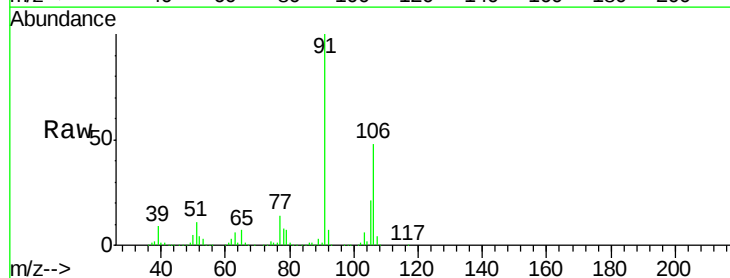
Acq: 04 Sep 2019 16:15

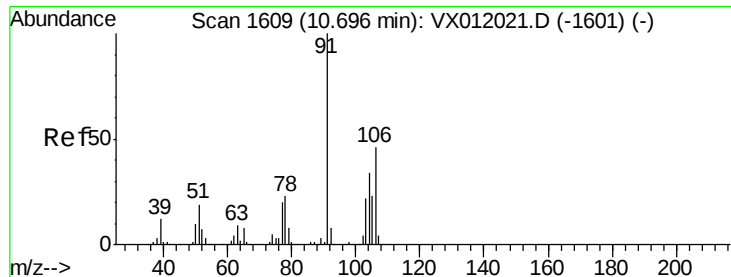
Tgt Ion: 106 Resp: 106190

Ion Ratio Lower Upper

106 100

91 212.7 157.5 236.3





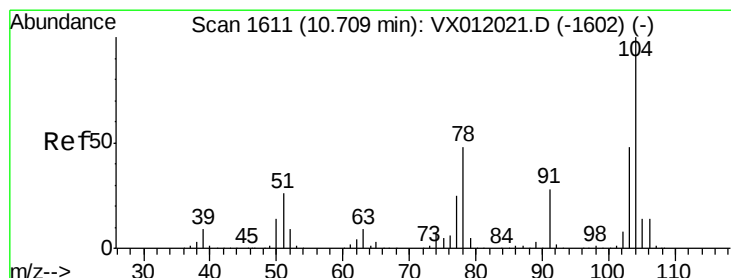
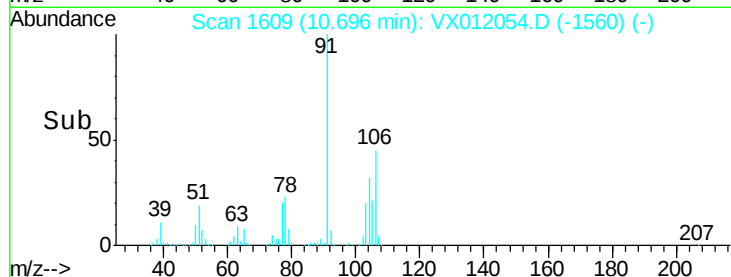
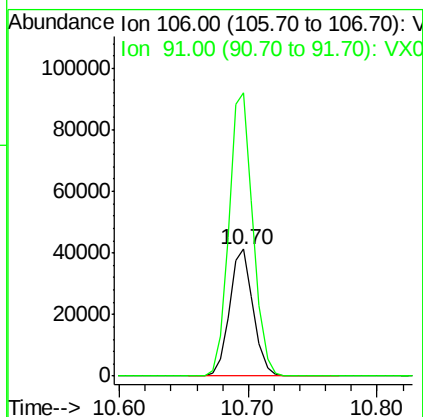
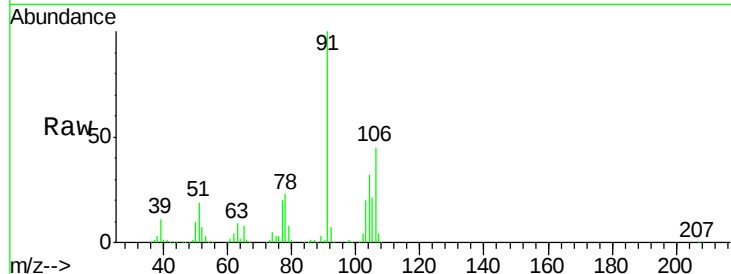
#69
o-Xylene
Concen: 19.732 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampled :
VX0904SBS01

Tot Ion:106 Resp: 52828
Ion Ratio Lower Upper
106 100
91 227.4 103.5 310.3

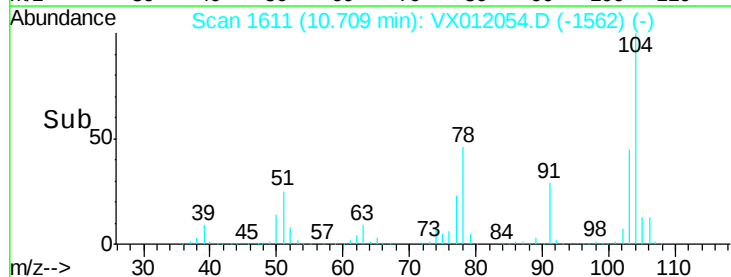
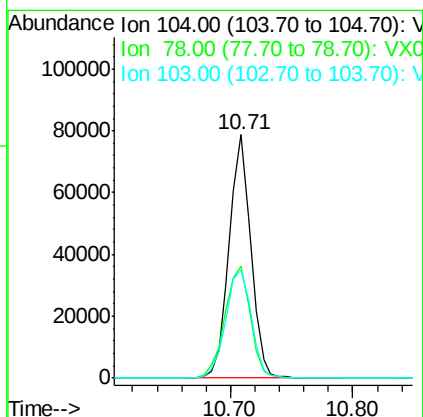
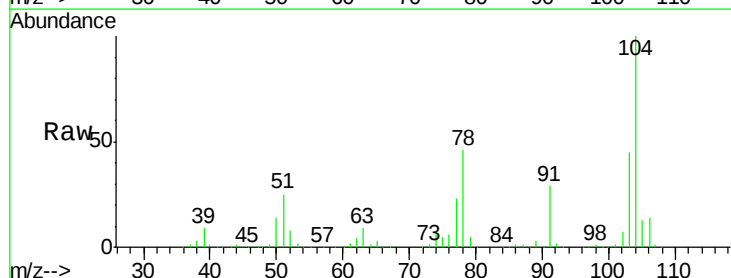
Manual Integrations
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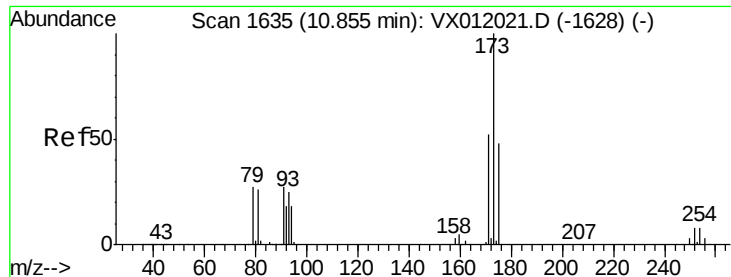
sam
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#70
Styrene
Concen: 20.781 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion:104 Resp: 96636
Ion Ratio Lower Upper
104 100
78 54.2 39.1 58.7
103 52.5 43.4 65.2





#71

Bromoform

Concen: 21.056 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

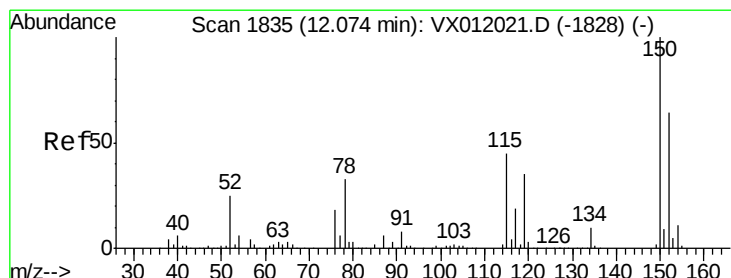
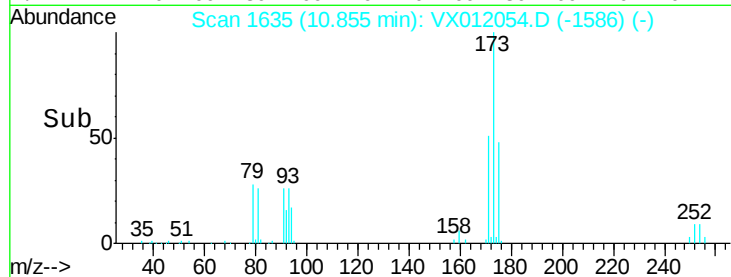
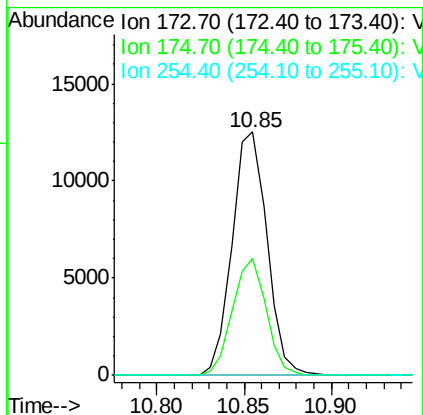
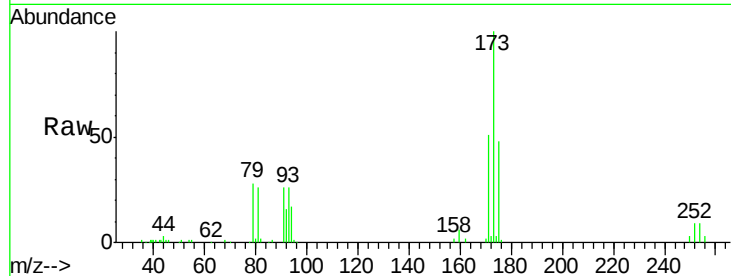
ClientSampleId :

VX0904SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	46.4	24.9	74.7		
254	0.0	0.1	0.1#		

Manual Integrations
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sam
9/5/2019 2:55:49 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

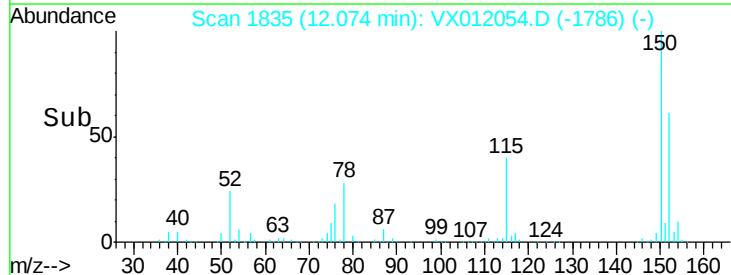
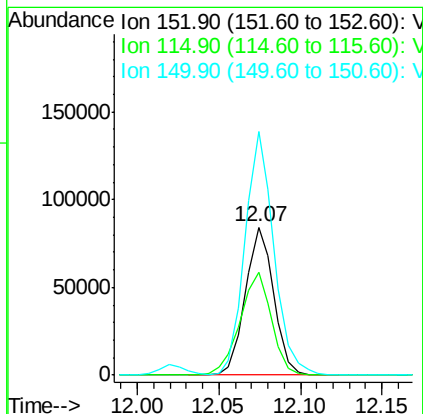
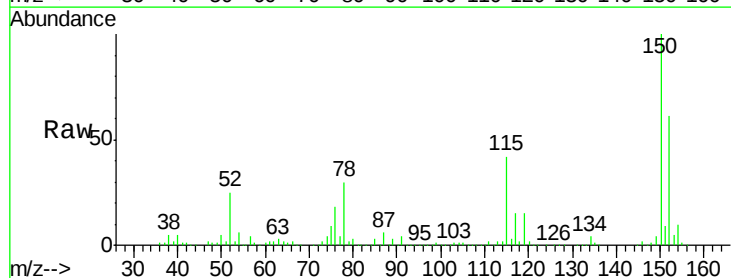
RT: 12.07 min Scan# 1835

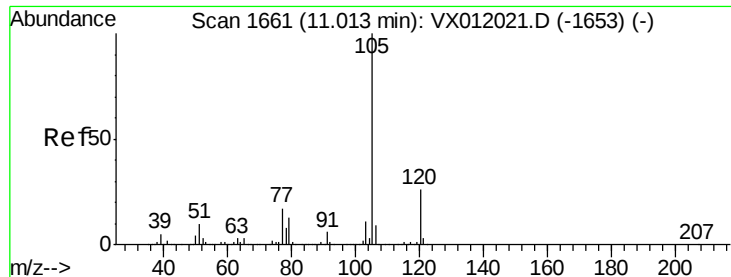
Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	77.1	36.4	109.3		
150	168.5	0.0	341.2		





#73

Isopropylbenzene

Concen: 19.099 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBS01

Tot Ion: 105 Resp: 142966

Ion Ratio Lower Upper

105 100

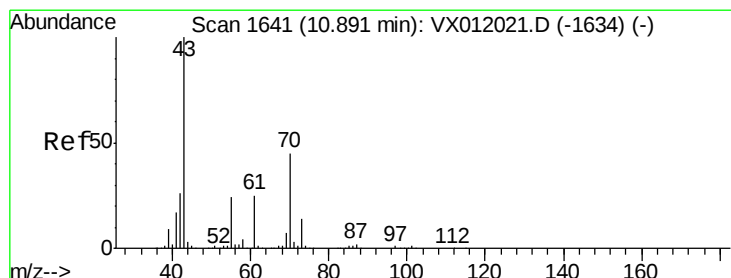
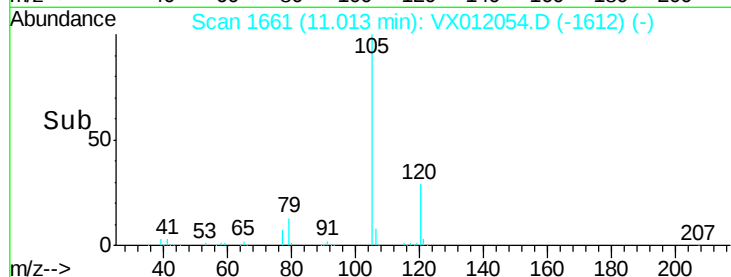
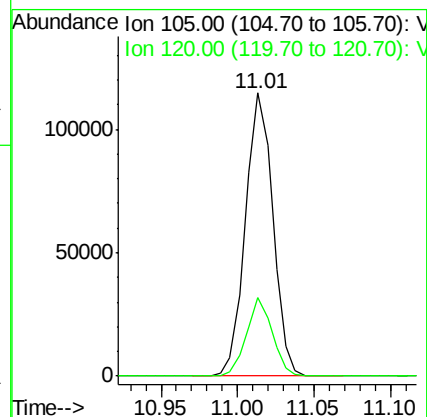
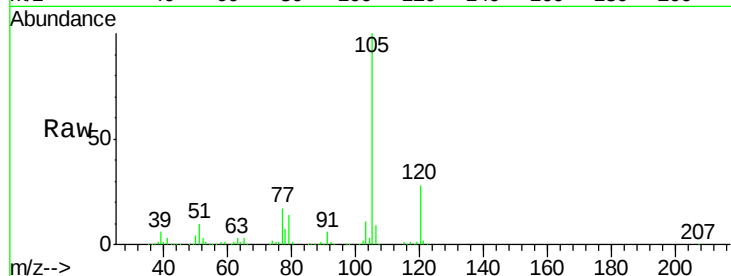
120 26.0 13.9 41.6

Manual Integrations

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sam

9/5/2019 2:55:49 PM



#74

N-ethyl acetate

Concen: 19.369 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion: 43 Resp: 42869

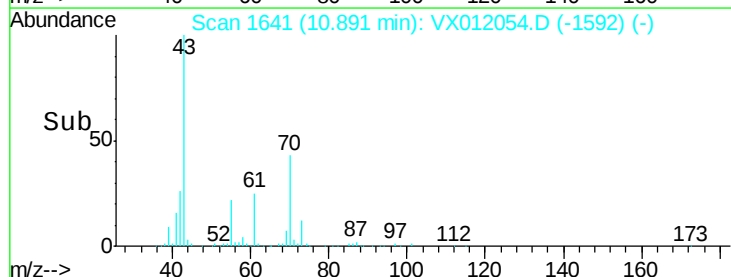
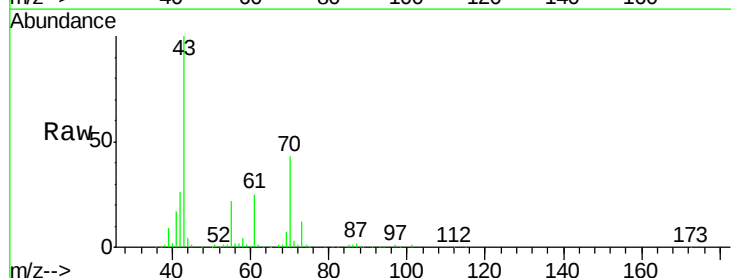
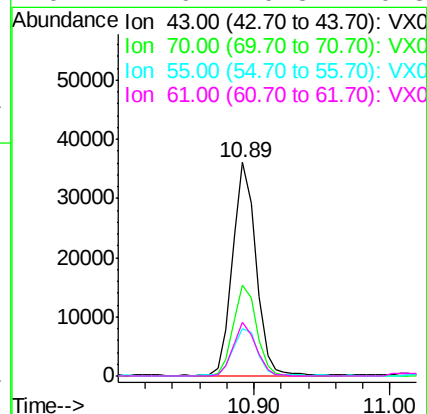
Ion Ratio Lower Upper

43 100

70 43.2 34.4 51.6

55 23.3 18.5 27.7

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.103 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

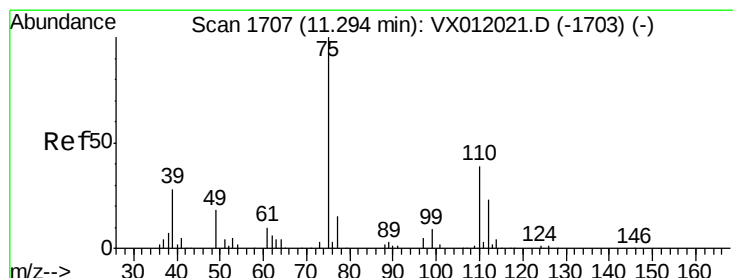
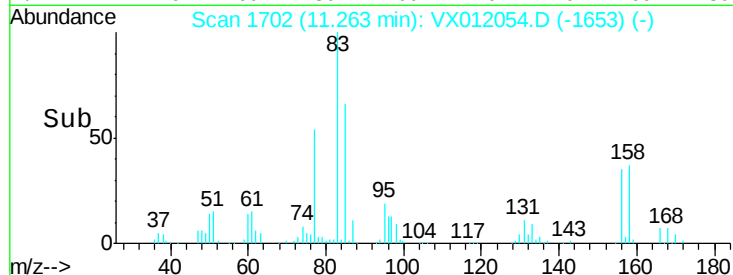
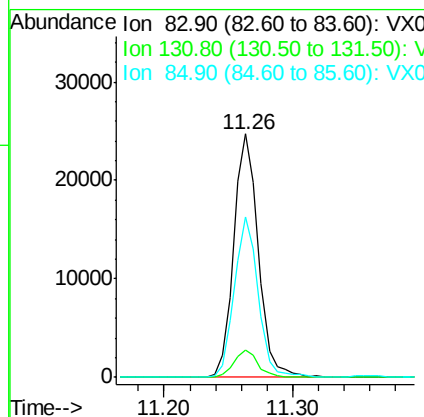
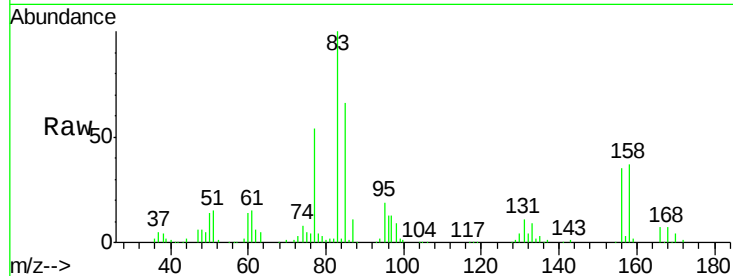
ClientSampleId :

VX0904SBSD01

Tot Ion:	83	Resp:	32932
Ion Ratio	Lower	Upper	
83	100		
131	10.9	6.3	19.1
85	64.6	32.5	97.4

Manual Integrations
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sam
9/5/2019 2:55:49 PM



#76

1,2,3-Trichloropropane

Concen: 23.922 ug/l m

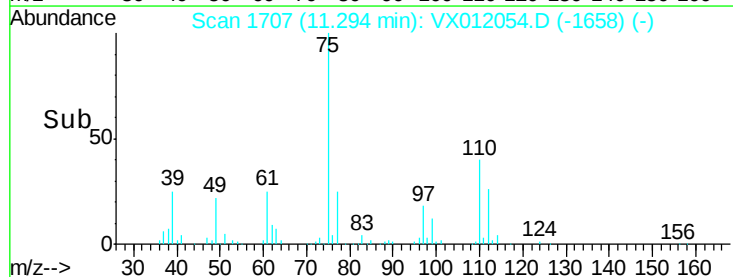
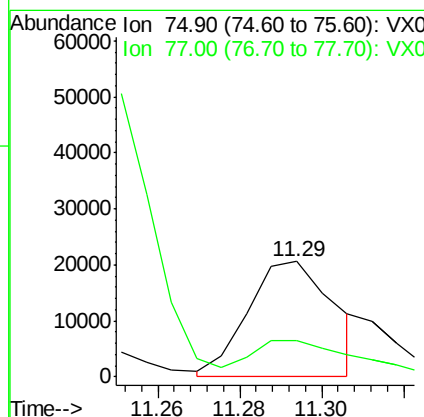
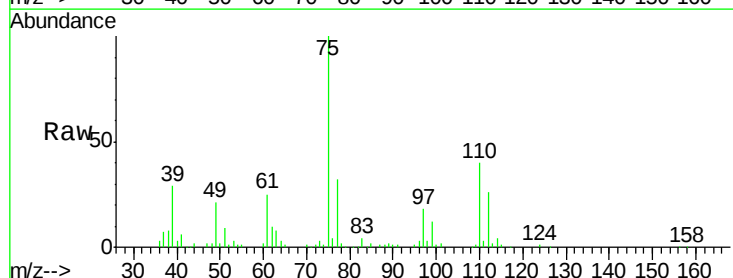
RT: 11.29 min Scan# 1707

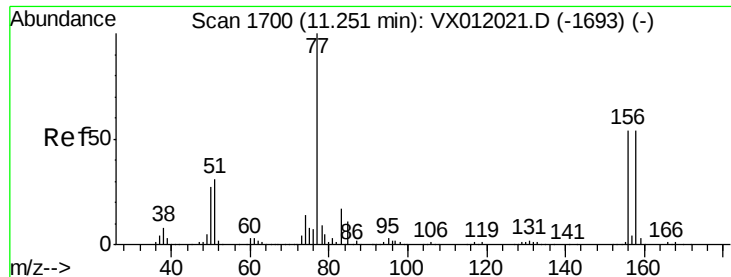
Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion:	75	Resp:	29820
Ion Ratio	Lower	Upper	
75	100		
77	39.6	23.5	70.5





#77

Bromobenzene

Concen: 21.166 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

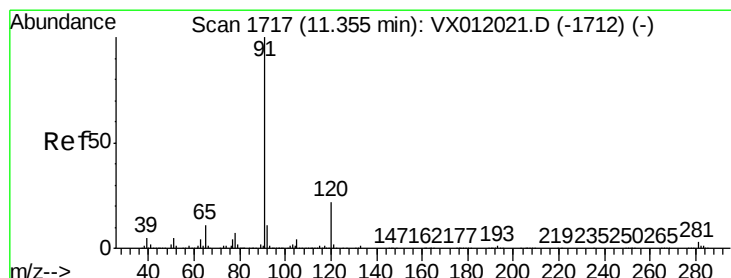
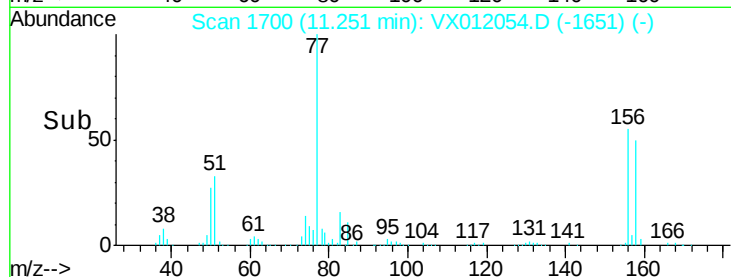
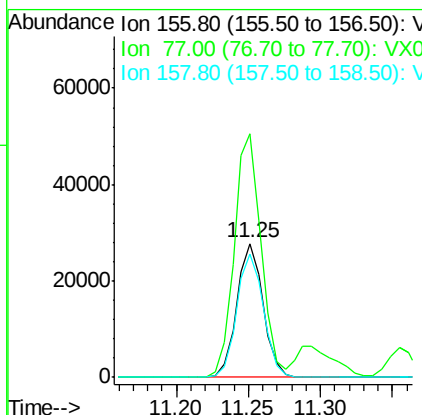
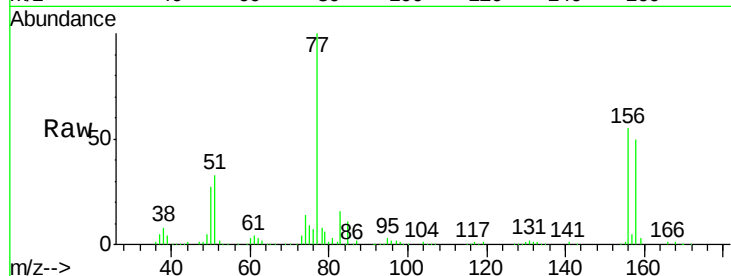
ClientSampleId :

VX0904SBS01

Tot Ion:	156	Resp:	35435
Ion Ratio	Lower	Upper	
156	100		
77	185.6	63.4	190.2
158	93.3	48.9	146.6

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#78

n-propylbenzene

Concen: 19.120 ug/l

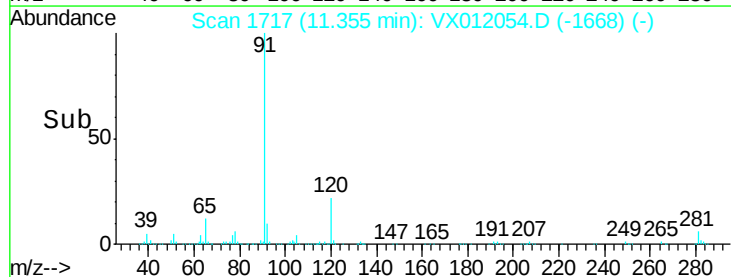
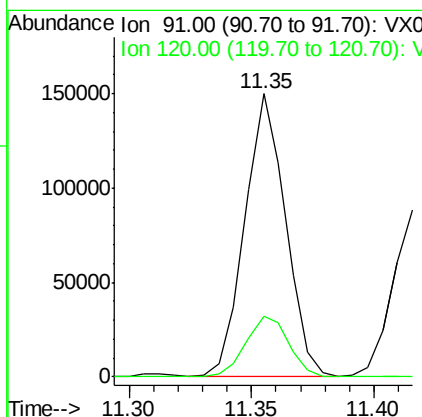
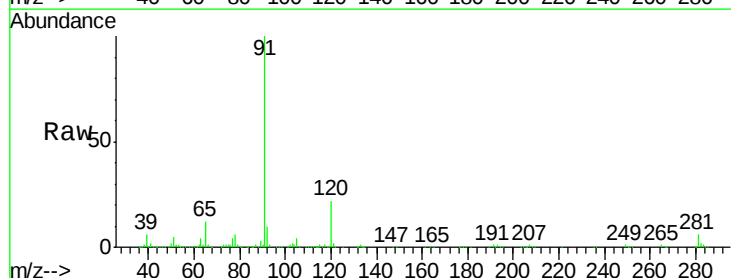
RT: 11.35 min Scan# 1717

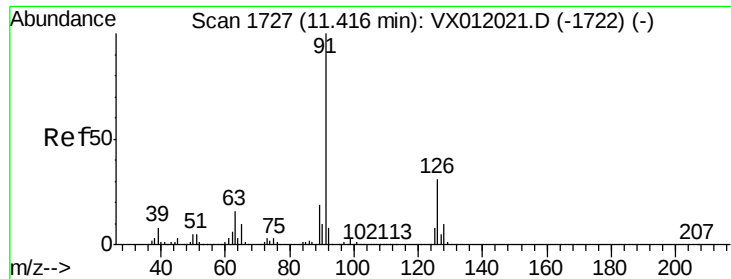
Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Tgt Ion:	91	Resp:	172915
Ion Ratio	Lower	Upper	
91	100		
120	22.9	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.687 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012054.D

Acq: 04 Sep 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

VX0904SBSD01

Tot Ion: 91 Resp: 107863

Ion Ratio Lower Upper

91 100

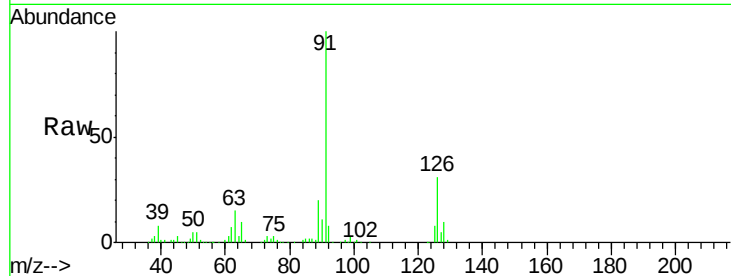
126 31.6 18.6 55.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012021.D (-1722) (-)

150000

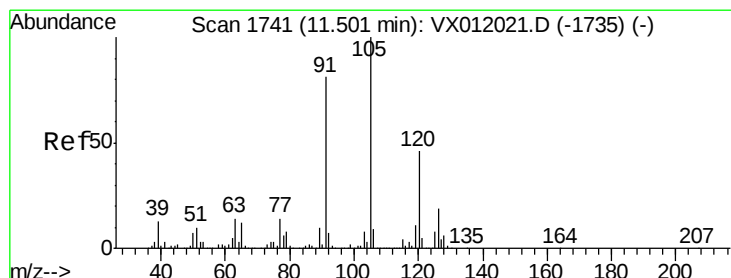
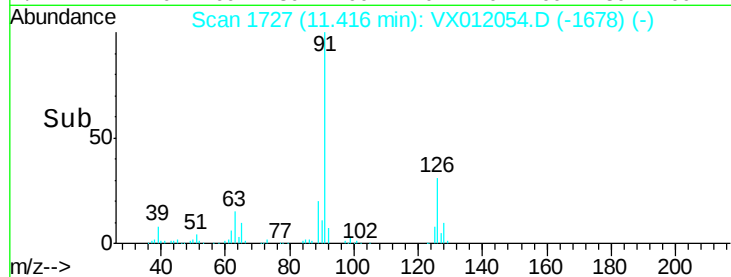
100000

50000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.829 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012054.D

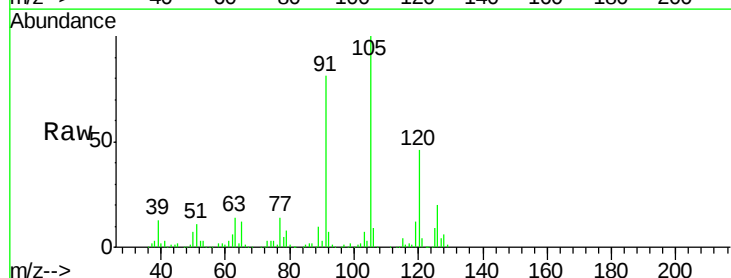
Acq: 04 Sep 2019 16:15

Tgt Ion: 105 Resp: 130076

Ion Ratio Lower Upper

105 100

120 46.8 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012021.D (-1735) (-)

120000

100000

80000

60000

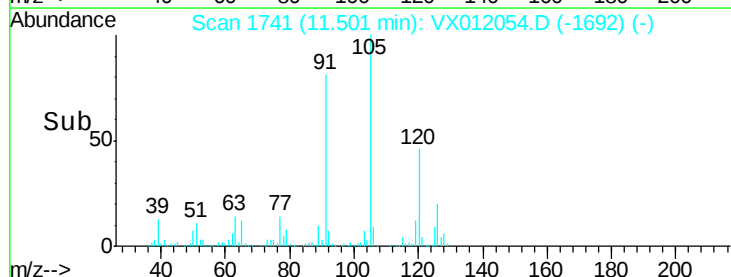
40000

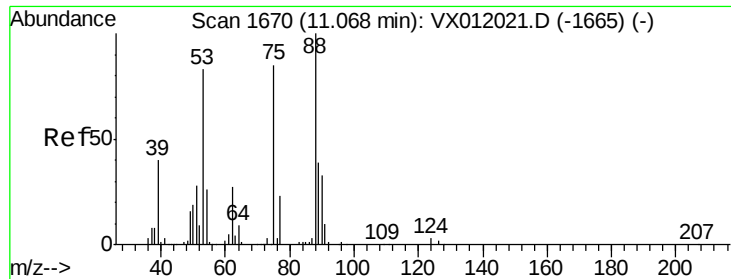
20000

0

11.50 11.60

Time-->





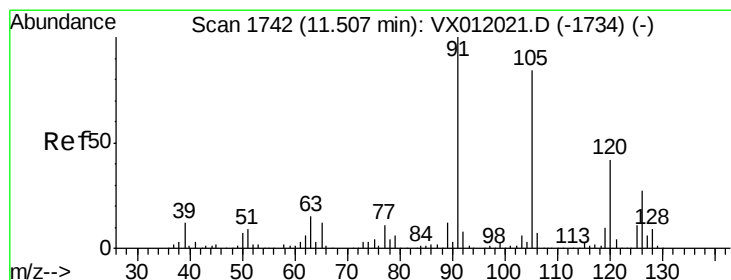
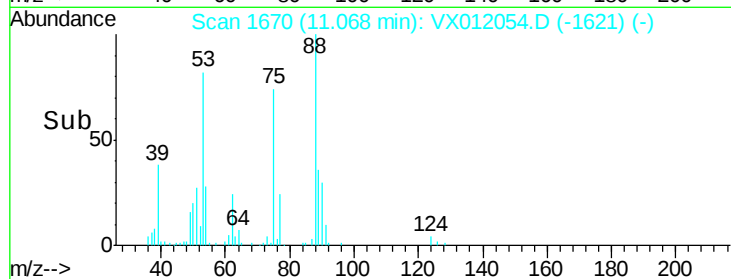
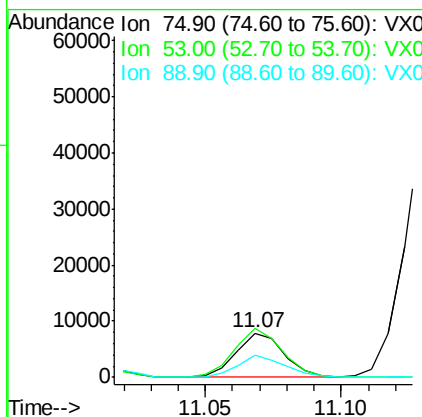
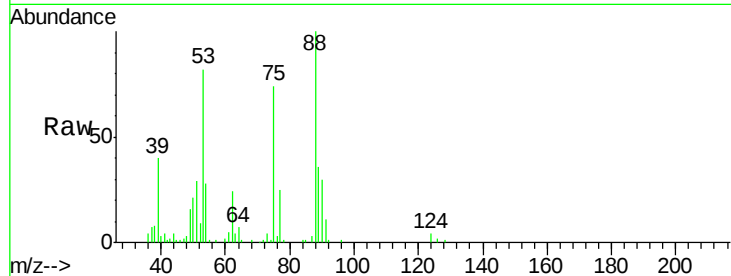
#81
trans-1,4-Dichloro-2-butene
Concen: 18.173 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.0	78.6	117.8
89	48.9	38.8	58.2

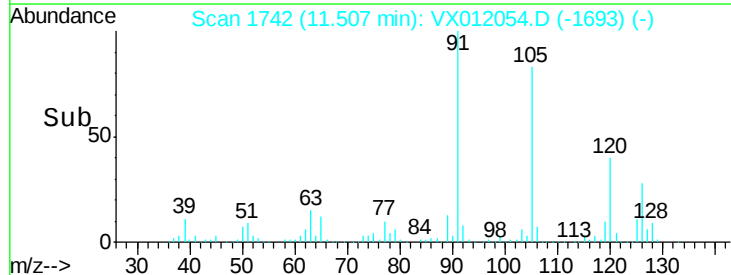
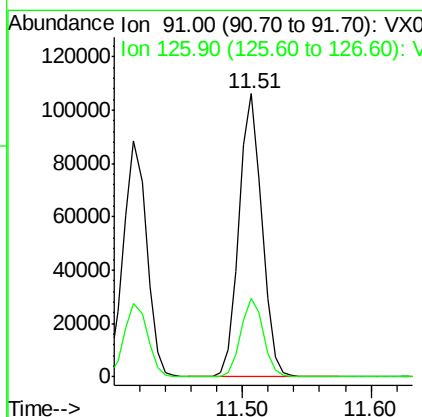
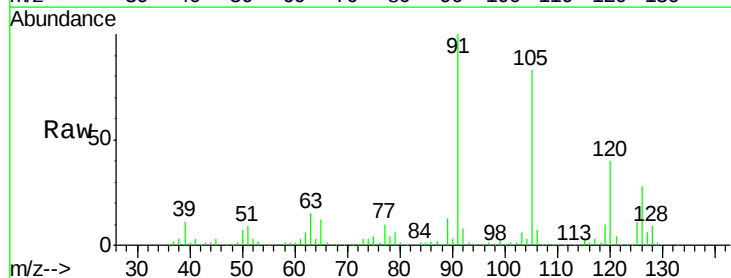
Manual Integrations
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#82
4-Chlorotoluene
Concen: 20.077 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	16.2	48.6





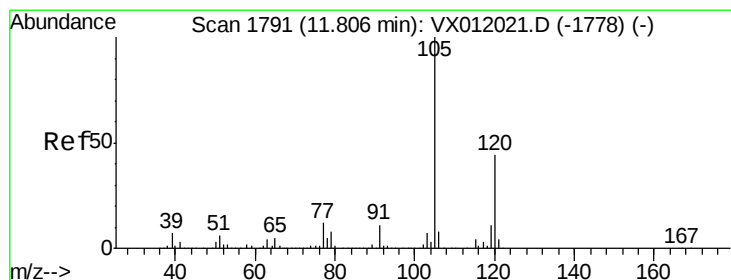
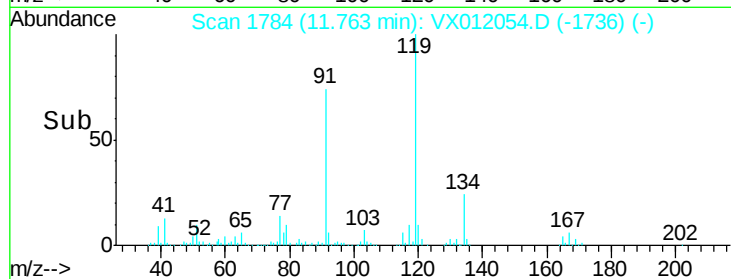
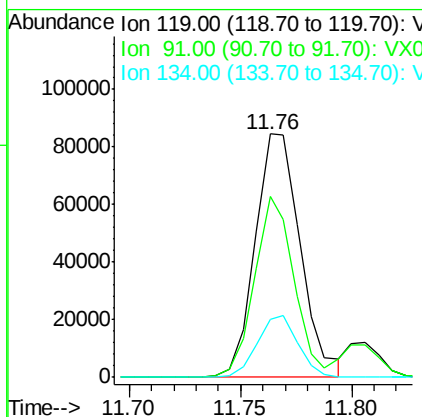
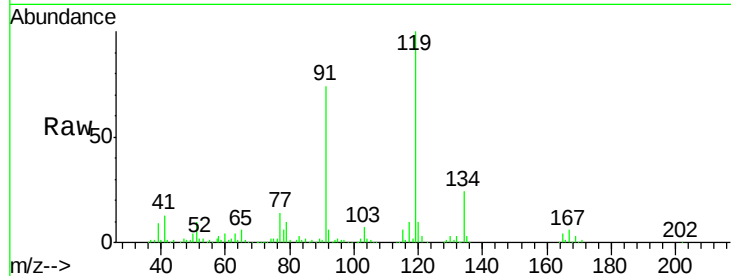
#83
tert-Butylbenzene
Concen: 19.155 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119766		
91	64.4	27.1	81.2	
134	23.0	12.1	36.3	

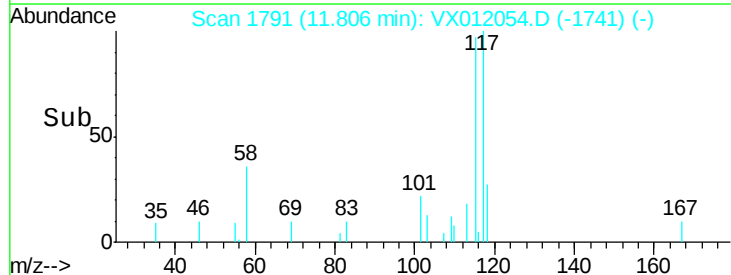
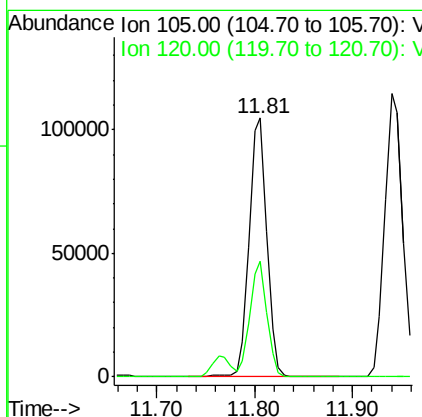
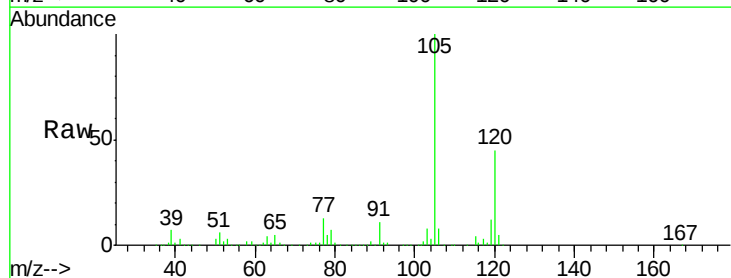
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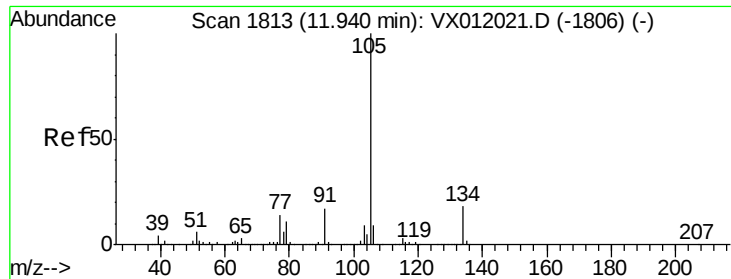
sam
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#84
1,2,4-Trimethylbenzene
Concen: 19.539 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	131736		
120	42.8	23.6	70.8	





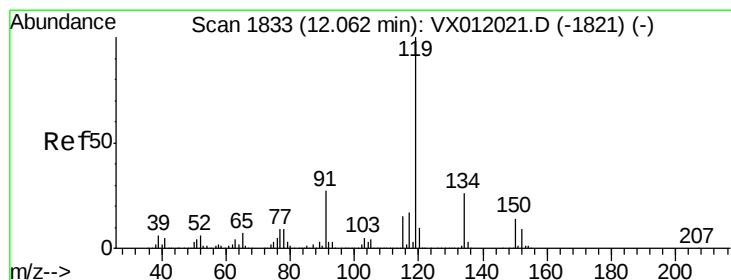
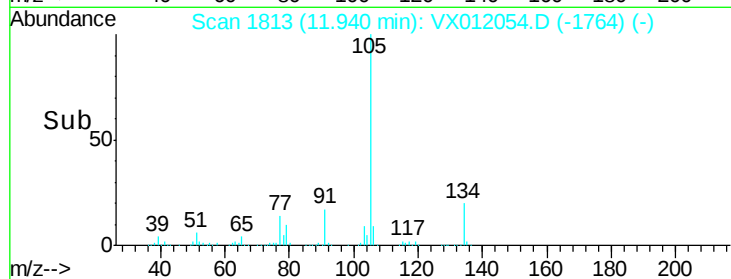
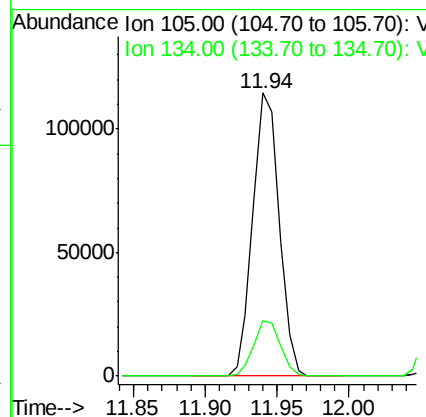
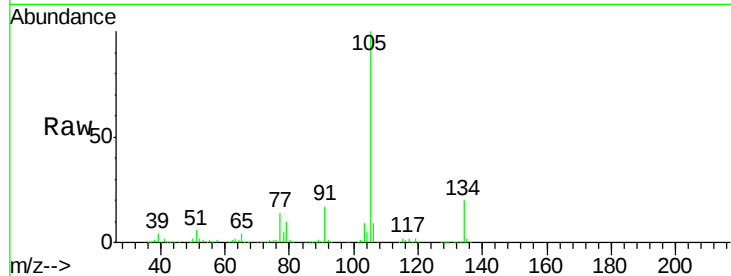
#85
 sec-Butylbenzene
 Concen: 18.676 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0904SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	11.2	33.6

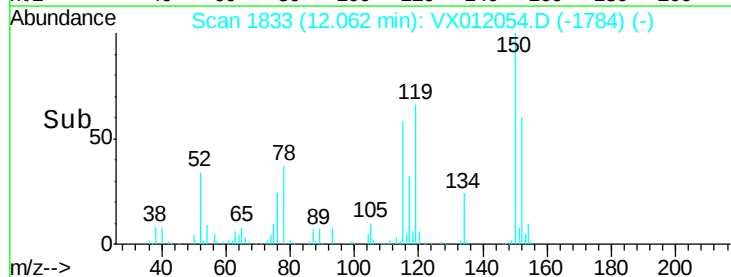
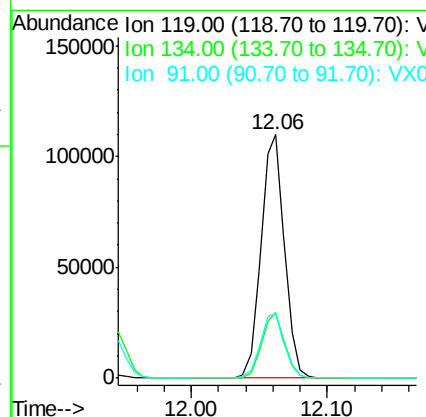
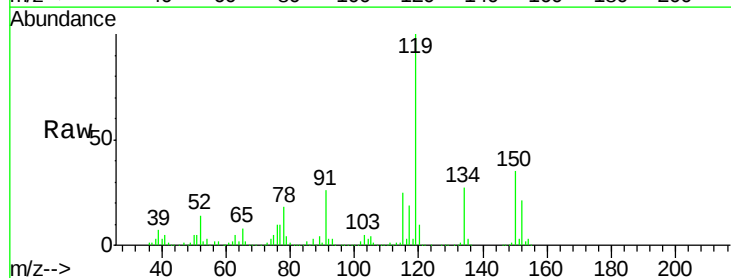
Manual Integrations
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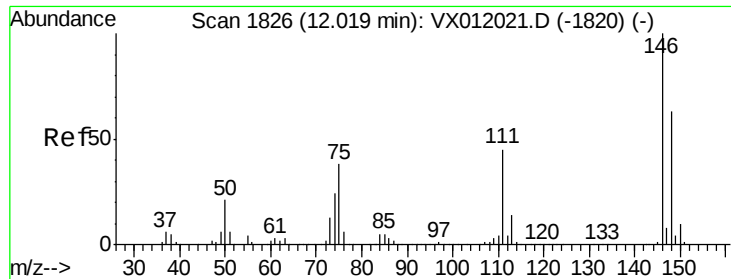
sam
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#86
 p-Isopropyltoluene
 Concen: 18.777 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.7	41.1
91	27.2	11.4	34.1





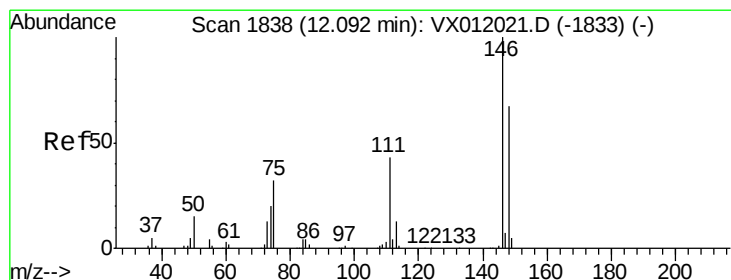
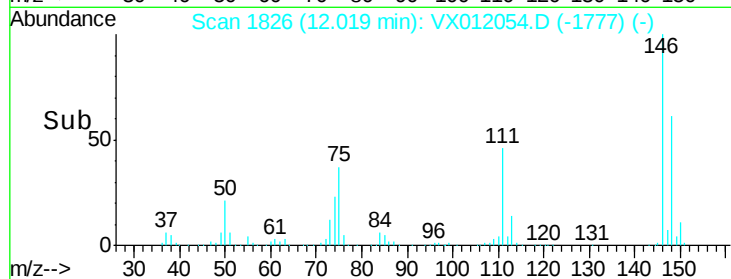
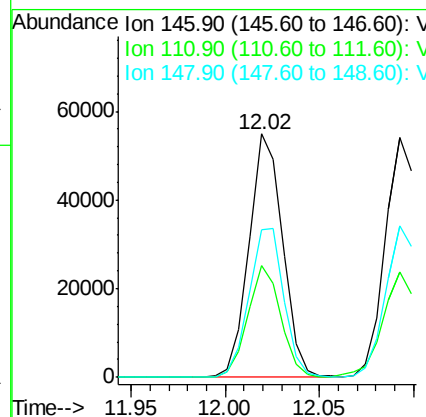
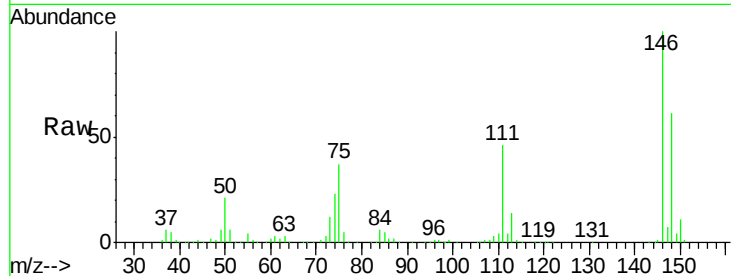
#87
 1,3-Dichlorobenzene
 Concen: 20.254 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX0904SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	18.1	54.1
148	63.3	32.6	97.8

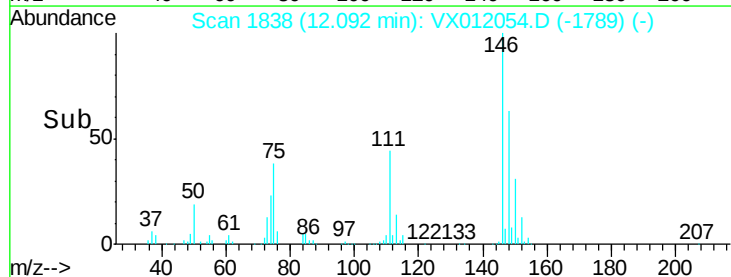
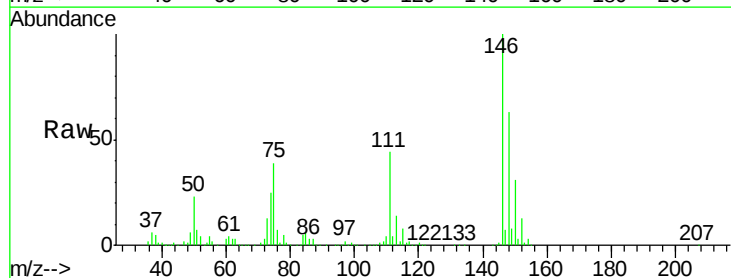
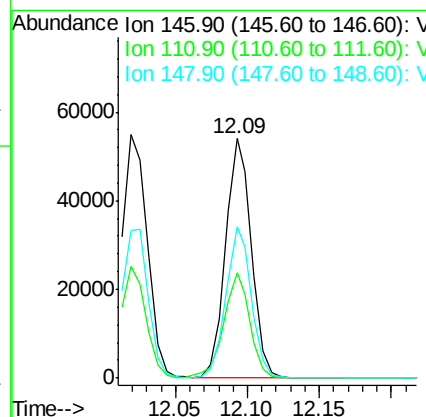
Manual Integrations
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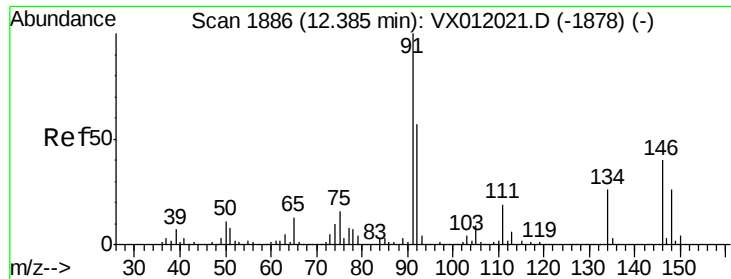
sam
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#88
 1,4-Dichlorobenzene
 Concen: 20.326 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	17.7	53.1
148	61.9	32.4	97.0





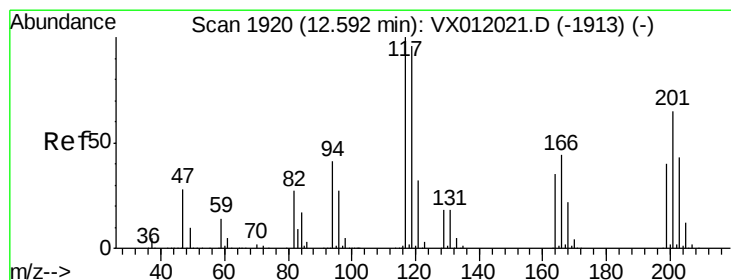
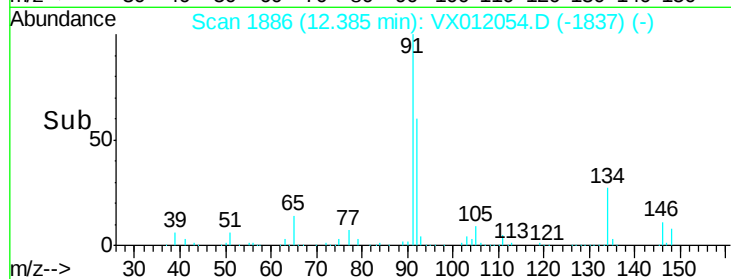
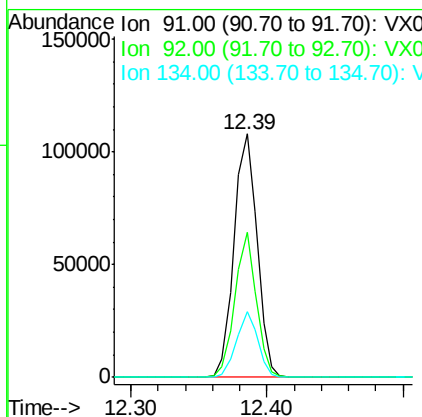
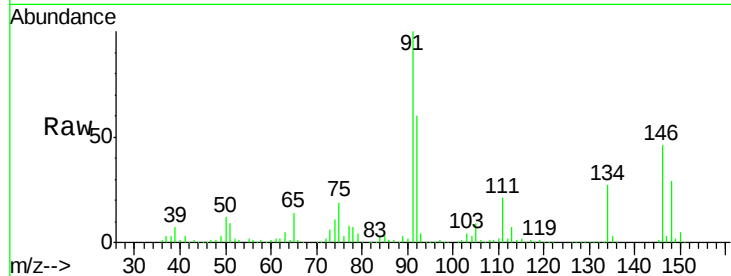
#89
n-Butylbenzene
Concen: 18.660 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	128019		
92	55.2	27.6	82.8	
134	24.9	15.4	46.1	

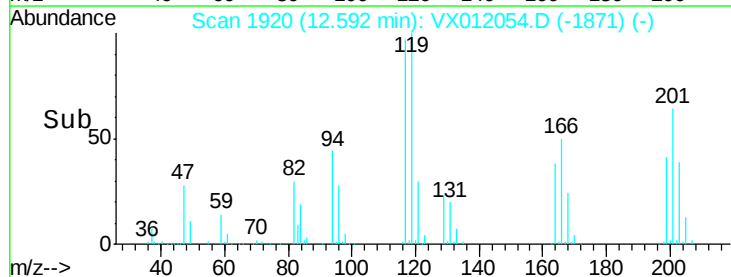
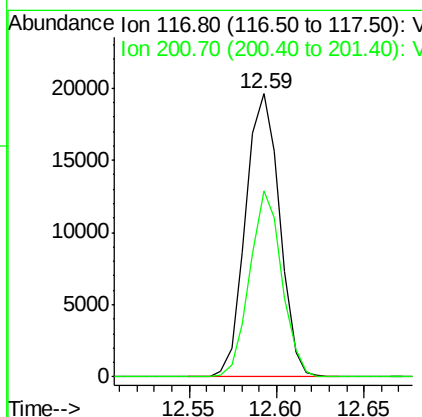
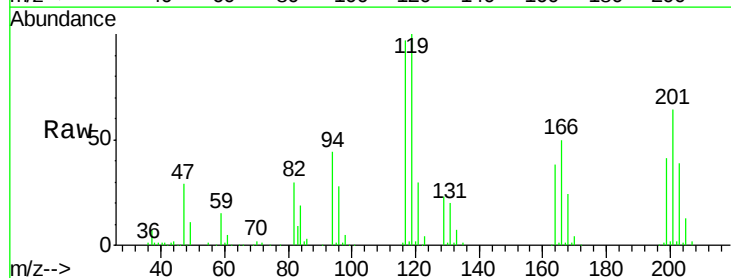
Manual Integrations
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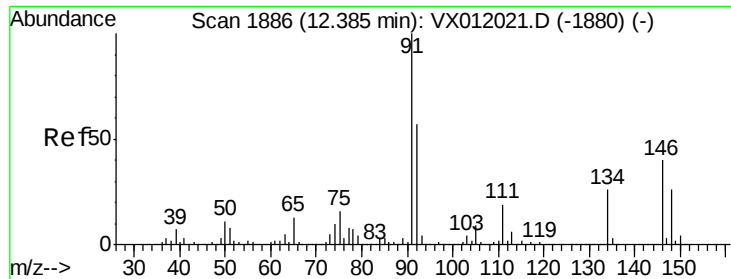
sam
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#90
Hexachloroethane
Concen: 18.829 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26553		
201	61.6	55.0	165.2	





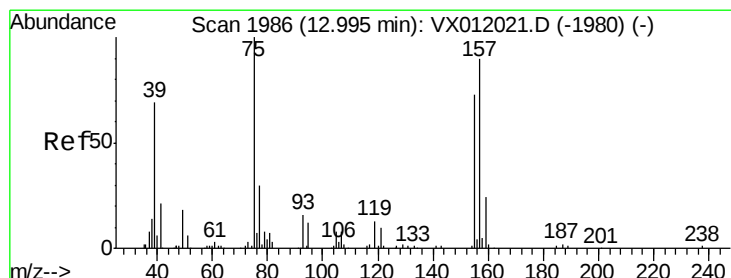
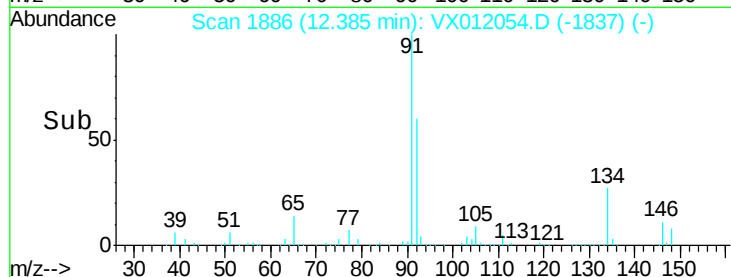
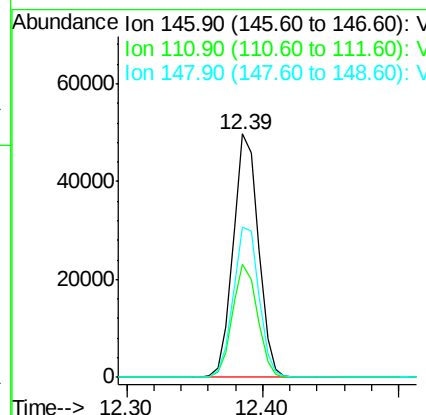
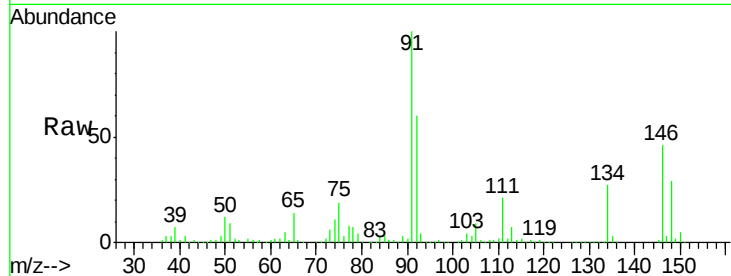
#91
 1,2-Dichlorobenzene
 Concen: 21.222 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	18.6	56.0
148	62.9	32.4	97.2

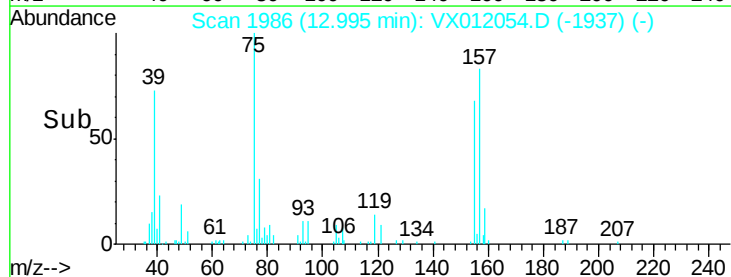
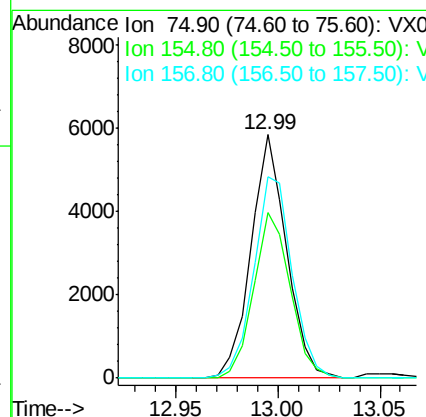
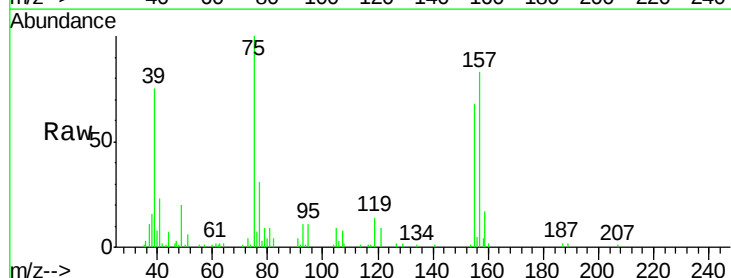
Manual Integrations
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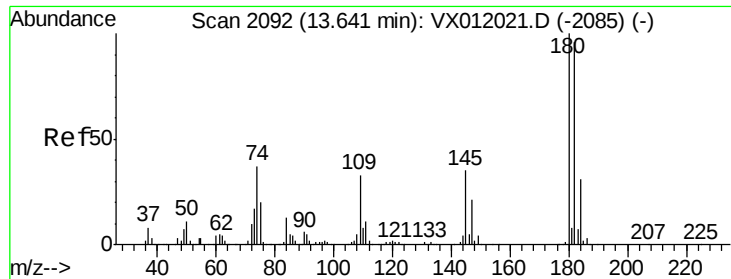
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.690 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.6	51.7	155.2
157	89.4	66.9	200.7





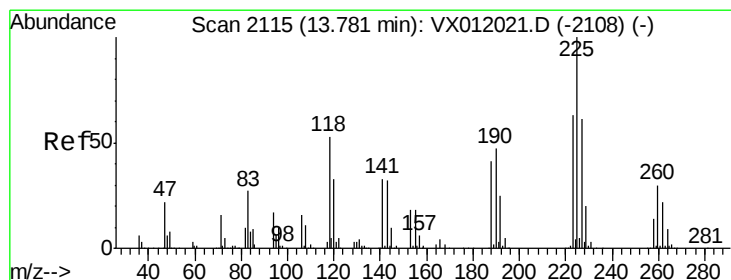
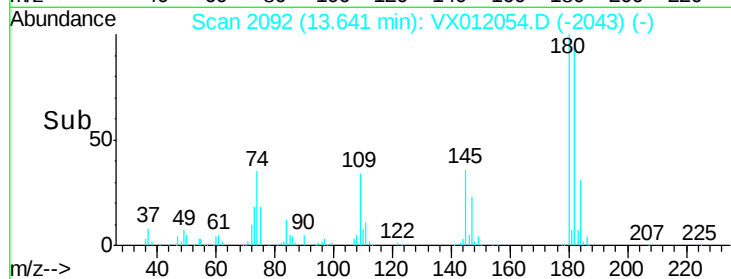
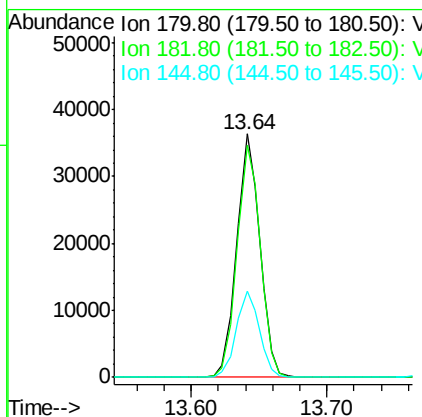
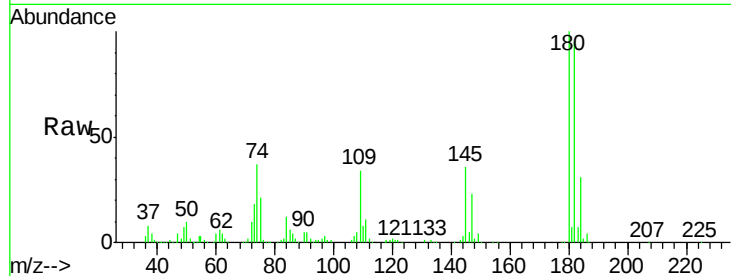
#93
 1,2,4-Trichlorobenzene
 Concen: 19.964 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	142.0
145	35.8	13.7	41.0

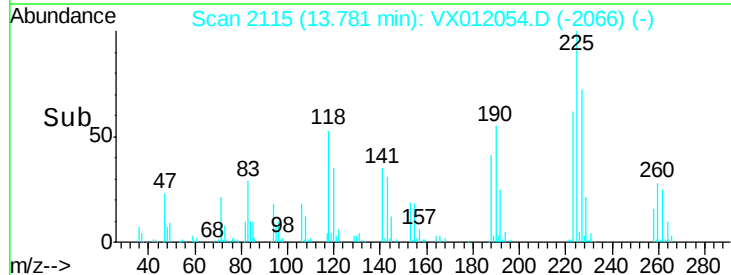
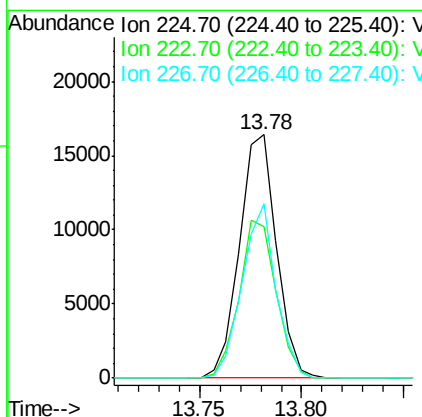
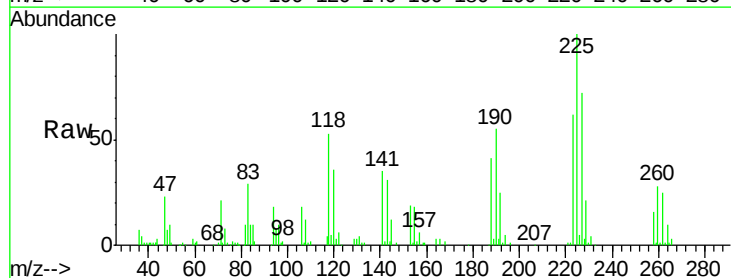
Manual Integrations
 APPROVED

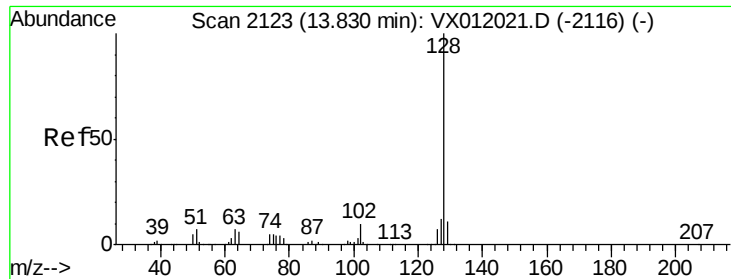
sam
 9/5/2019 2:55:49 PM



#94
 Hexachlorobutadiene
 Concen: 19.115 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012054.D
 Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.6	95.0
227	65.6	32.5	97.5





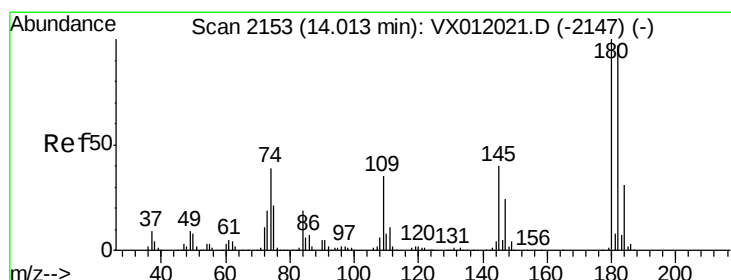
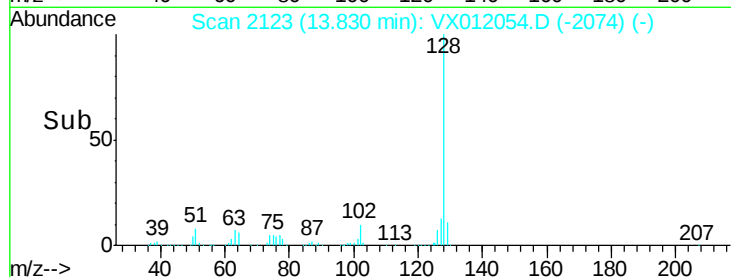
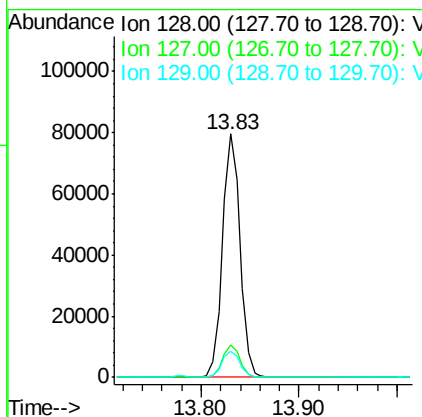
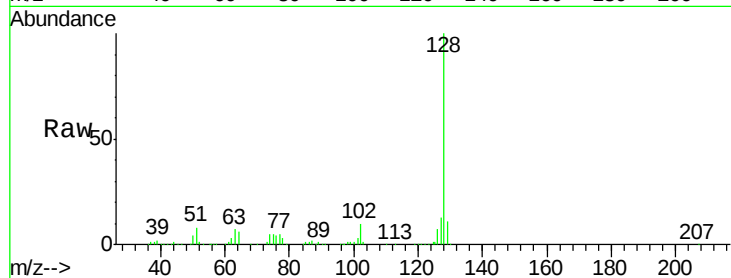
#95
Naphthalene
Concen: 21.214 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0904SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

sam
9/5/2019 2:55:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.175 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012054.D
Acq: 04 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.6
145	37.4	14.1	42.4

