

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090319\
 Data File : VX012023.D
 Acq On : 03 Sep 2019 15:01
 Operator : SY/SP
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 9/4/2019 4:45:53 PM

Quant Time: Sep 03 15:25:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 12:11:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	133441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	248519	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	227950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	292568	248.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	496.18%	
35) Dibromofluoromethane	5.48	113	240123	147.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.72%	
50) Toluene-d8	8.71	98	877813	152.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.88%	
62) 4-Bromofluorobenzene	11.14	95	380041	153.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	186443	231.480	ug/l	97
3) Chloromethane	1.31	50	214302	267.709	ug/l	100
4) Vinyl Chloride	1.40	62	204710	251.752	ug/l	99
5) Bromomethane	1.62	94	85204	147.789	ug/l	99
6) Chloroethane	1.70	64	120440	234.179	ug/l	98
7) Trichlorofluoromethane	1.91	101	293337	198.727	ug/l	99
8) Diethyl Ether	2.17	74	106056	236.292	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.36	101	212322	225.869	ug/l #	83
10) Methyl Iodide	2.49	142	235112	250.358	ug/l	95
11) Tert butyl alcohol	3.05	59	139729	1434.351	ug/l	98
12) 1,1-Dichloroethene	2.36	96	210175	245.048	ug/l	92
13) Acrolein	2.28	56	36381	1020.081	ug/l	94
14) Allyl chloride	2.71	41	402136	273.574	ug/l	99
15) Acrylonitrile	3.13	53	328212	1429.303	ug/l	100
16) Acetone	2.44	43	335998	1451.825	ug/l	99
17) Carbon Disulfide	2.55	76	684714	282.970	ug/l	100
18) Methyl Acetate	2.76	43	168827	281.511	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	700969	274.152	ug/l	98
20) Methylene Chloride	2.84	84	263315	251.895	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	254144	249.274	ug/l	95
22) Diisopropyl ether	3.84	45	792533	268.099	ug/l	93
23) Vinyl Acetate	3.80	43	2656690	1429.313	ug/l	98
24) 1,1-Dichloroethane	3.68	63	462325	268.176	ug/l	98
25) 2-Butanone	4.66	43	474049	1503.558	ug/l	99
26) 2,2-Dichloropropane	4.56	77	404674	253.061	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	297092	253.630	ug/l	94
28) Bromochloromethane	5.00	49	172763	243.835	ug/l #	81
29) Tetrahydrofuran	5.11	42	284611	1467.810	ug/l	100
30) Chloroform	5.19	83	485611	256.629	ug/l	98
31) Cyclohexane	5.56	56	350496	244.037	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	425947	241.947	ug/l	97
36) 1,1-Dichloropropene	5.78	75	345793	181.840	ug/l	96
37) Ethyl Acetate	4.82	43	202571	212.797	ug/l	99
38) Carbon Tetrachloride	5.77	117	368973	159.562	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	384859	166.675	ug/l	96
40) Benzene	6.13	78	1017960	185.345	ug/l	99
41) Methacrylonitrile	5.03	41	121863	212.414	ug/l	97
42) 1,2-Dichloroethane	6.18	62	369307	198.491	ug/l	97
43) Isopropyl Acetate	6.43	43	412651	209.713	ug/l	99
44) Trichloroethene	7.20	130	270743	148.422	ug/l	82
45) 1,2-Dichloropropane	7.51	63	260417	188.430	ug/l	100
46) Dibromomethane	7.65	93	156304	188.678	ug/l #	74
47) Bromodichloromethane	7.89	83	391425	187.172	ug/l	98
48) Methyl methacrylate	7.76	41	208321	214.702	ug/l	97
49) 1,4-Dioxane	7.73	88	53006	3893.972	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	1022666	1034.126	ug/l	99
52) Toluene	8.78	92	651537	175.084	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	414775	195.934	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	452863	190.058	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	216402	178.938	ug/l	98
56) Ethyl methacrylate	9.17	69	327906	204.169	ug/l	97
57) 1,3-Dichloropropane	9.37	76	377508	190.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	674281	923.877	ug/l	93
59) 2-Hexanone	9.49	43	746348	1060.165	ug/l	98
60) Dibromochloromethane	9.58	129	268882	159.937	ug/l	99
61) 1,2-Dibromoethane	9.67	107	216522	179.749	ug/l	97
64) Tetrachloroethene	9.33	164	214675	114.430	ug/l #	88
65) Chlorobenzene	10.14	112	707884	164.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	264266	153.037	ug/l	98
67) Ethyl Benzene	10.25	91	1273428	175.169	ug/l	97
68) m/p-Xylenes	10.35	106	918420	321.732	ug/l	91
69) o-Xylene	10.70	106	459284	165.860	ug/l	92
70) Styrene	10.71	104	815212	171.583	ug/l	96
71) Bromoform	10.85	173	151648	126.571	ug/l	99
73) Isopropylbenzene	11.01	105	1221095	199.027	ug/l	97
74) N-amyl acetate	10.89	43	399480	261.119	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	268513	239.058	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	239117m	274.754	ug/l	
77) Bromobenzene	11.25	156	282458	157.456	ug/l	69
78) n-propylbenzene	11.35	91	1469706	212.873	ug/l	94
79) 2-Chlorotoluene	11.42	91	898006	219.701	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	1054548	199.252	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	95110	257.808	ug/l	98
82) 4-Chlorotoluene	11.51	91	1053358	214.771	ug/l	91
83) tert-Butylbenzene	11.77	119	1023354	187.066	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	1119843	208.787	ug/l	94
85) sec-Butylbenzene	11.95	105	1259413	200.422	ug/l	94
86) p-Isopropyltoluene	12.06	119	1154623	187.672	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	554410	164.793	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	552541	165.304	ug/l	94
89) n-Butylbenzene	12.38	91	1103264	207.063	ug/l	96
90) Hexachloroethane	12.59	117	237380	205.512	ug/l	54
91) 1,2-Dichlorobenzene	12.39	146	500125	164.664	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	56866	257.857	ug/l	68

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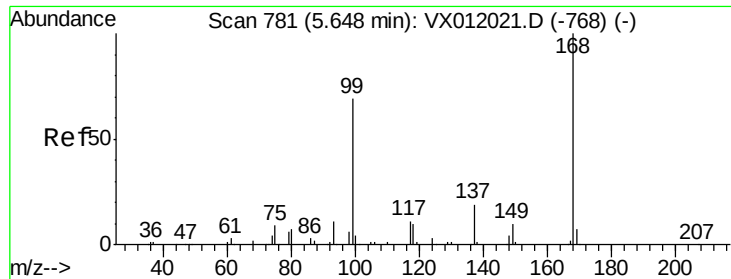
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	360229	136.310	ug/l	96
94) Hexachlorobutadiene	13.78	225	178208	96.518	ug/l	100
95) Naphthalene	13.83	128	843723	207.636	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	324767	139.764	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: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 133441

Ion Ratio Lower Upper

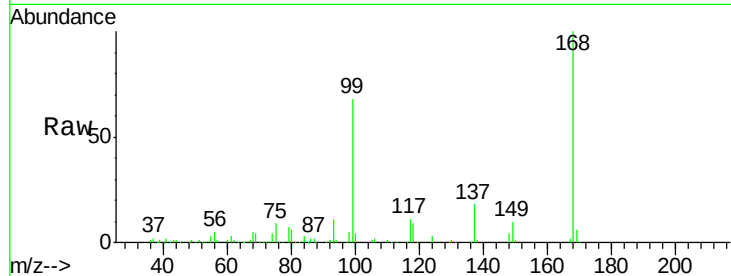
168 100

99 67.8 37.6 56.4#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

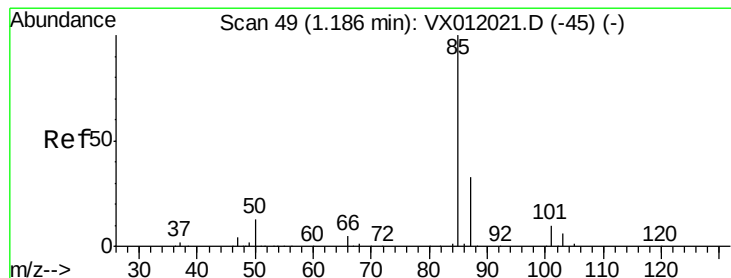
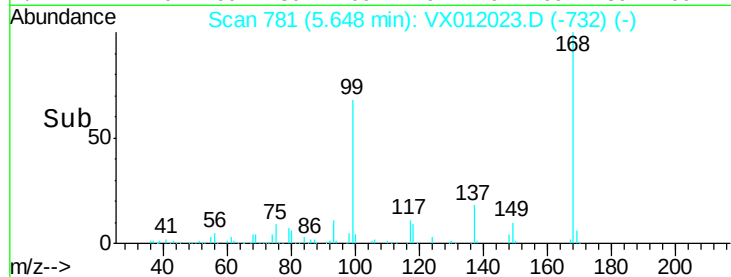
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 231.480 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012023.D

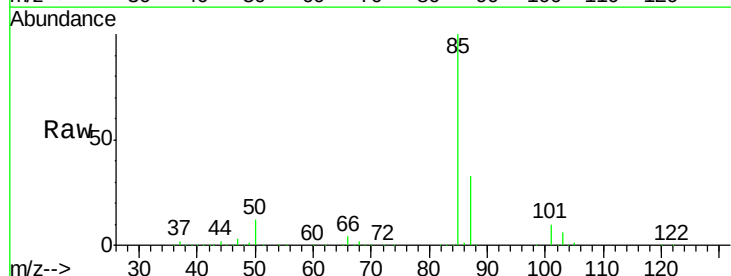
Acq: 03 Sep 2019 15:01

Tgt Ion: 85 Resp: 186443

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

100000

50000

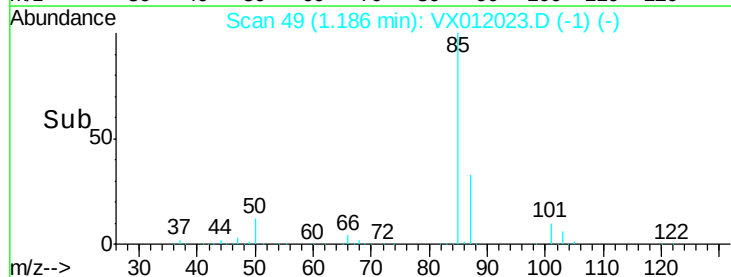
0

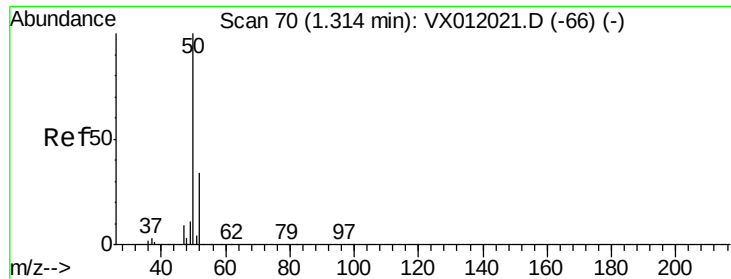
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 267.709 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 214302

Ion Ratio Lower Upper

50 100

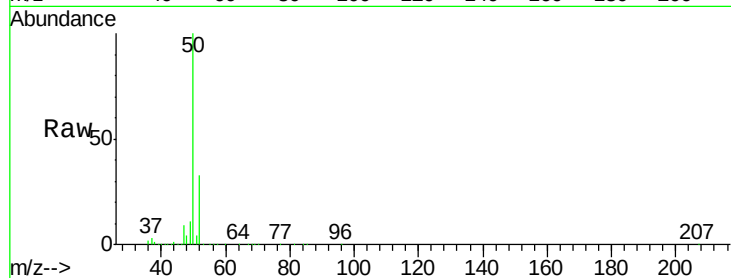
52 33.0 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

200000

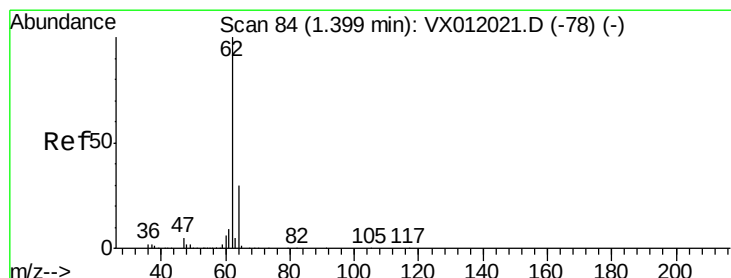
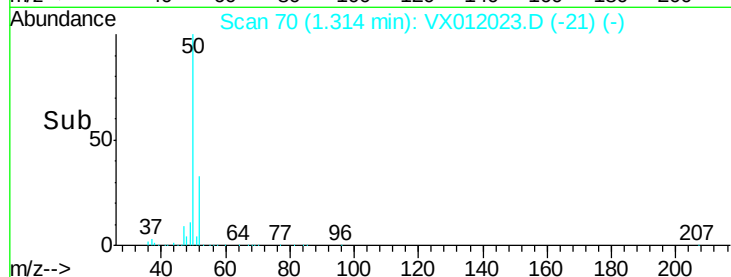
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 251.752 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012023.D

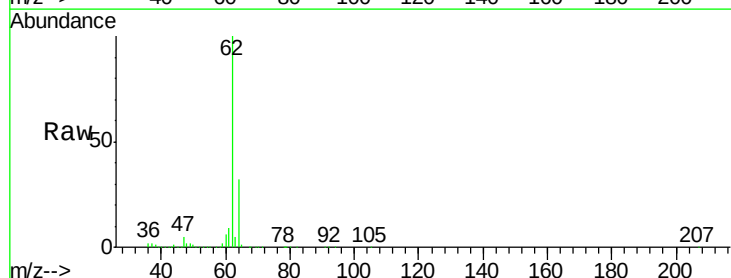
Acq: 03 Sep 2019 15:01

Tgt Ion: 62 Resp: 204710

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

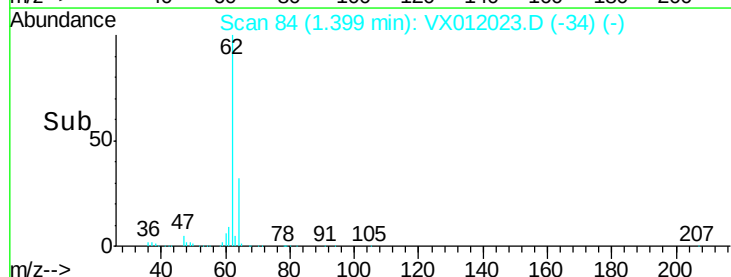
150000

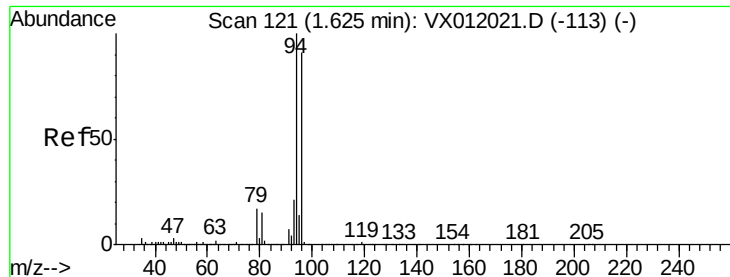
100000

50000

0

Time-->





#5

Bromomethane

Concen: 147.789 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 85204

Ion Ratio Lower Upper

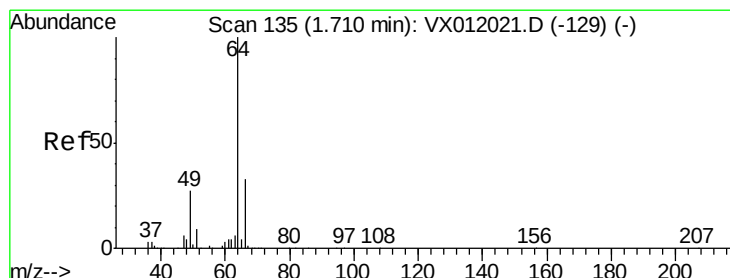
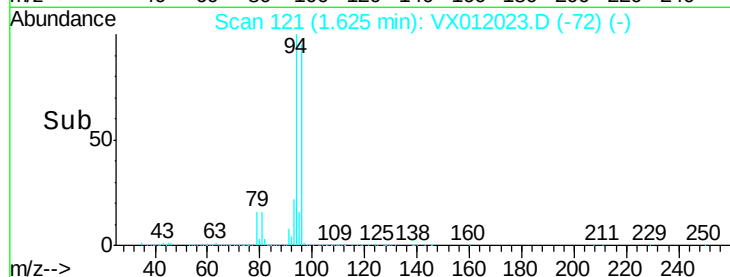
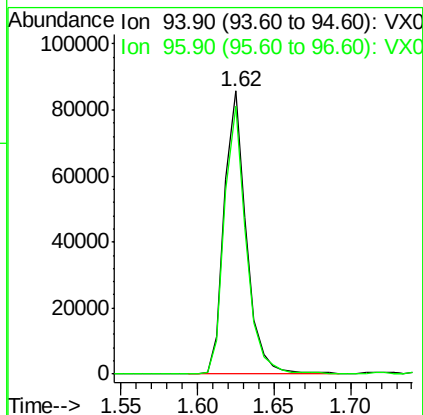
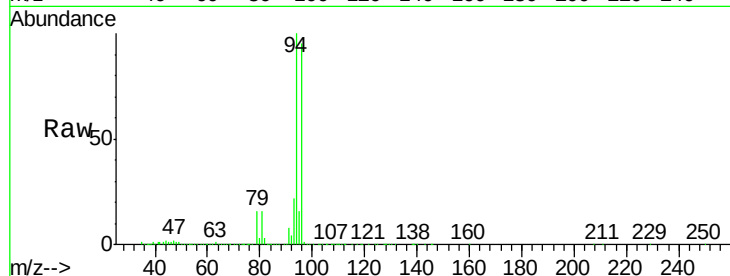
94 100

96 94.8 76.3 114.5

Manual Integrations
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#6

Chloroethane

Concen: 234.179 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012023.D

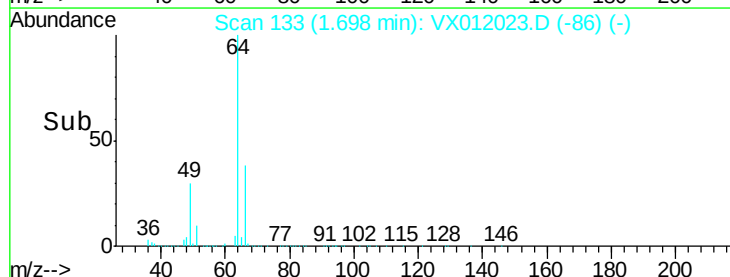
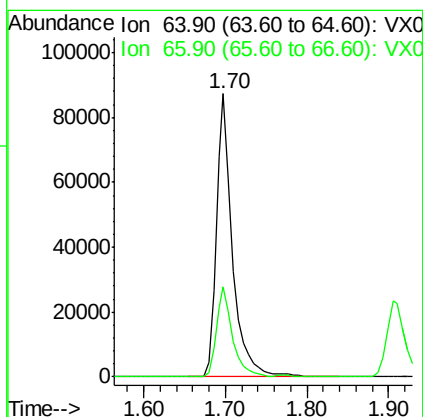
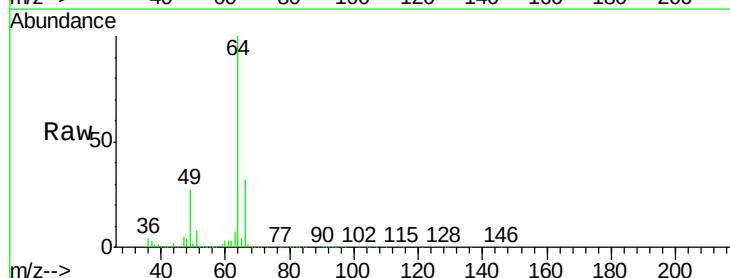
Acq: 03 Sep 2019 15:01

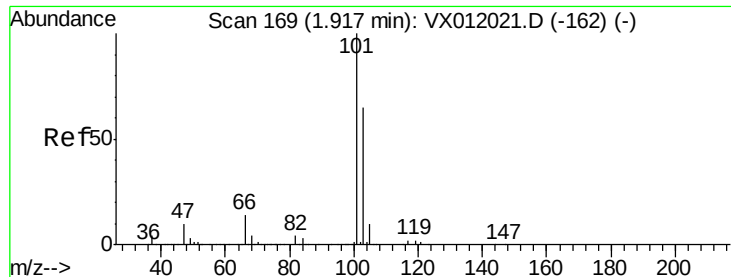
Tgt Ion: 64 Resp: 120440

Ion Ratio Lower Upper

64 100

66 31.9 26.3 39.5





#7

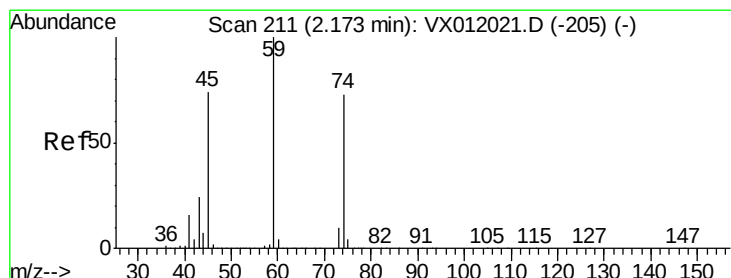
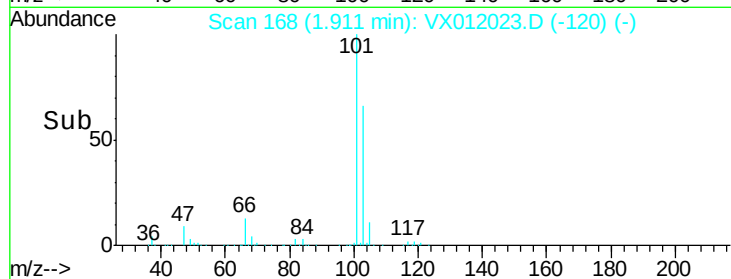
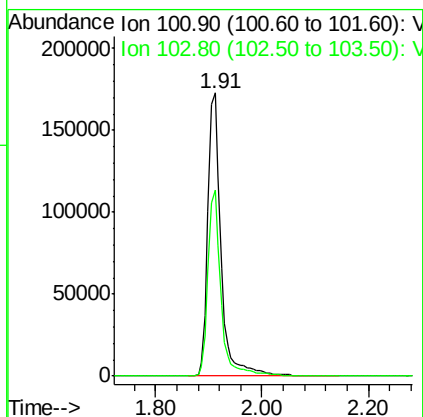
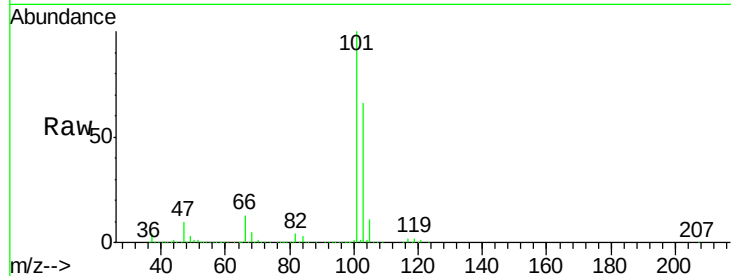
Trichlorofluoromethane
 Concen: 198.727 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	293337		
103	65.6	51.6	77.4	

Manual Integrations
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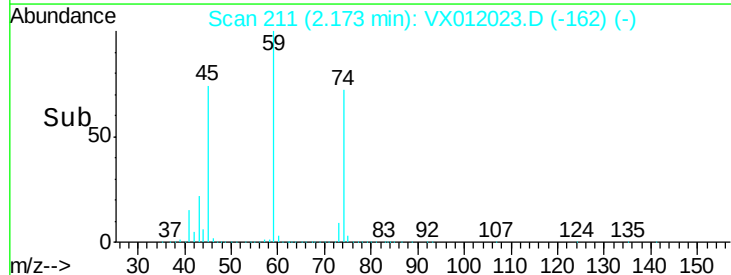
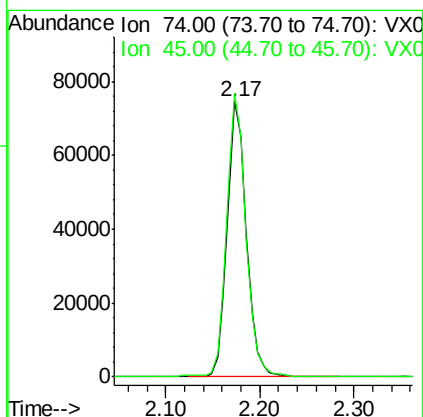
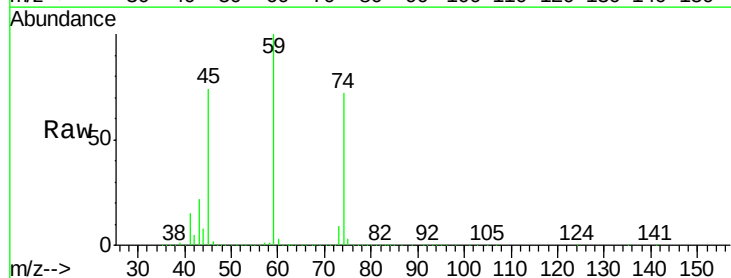
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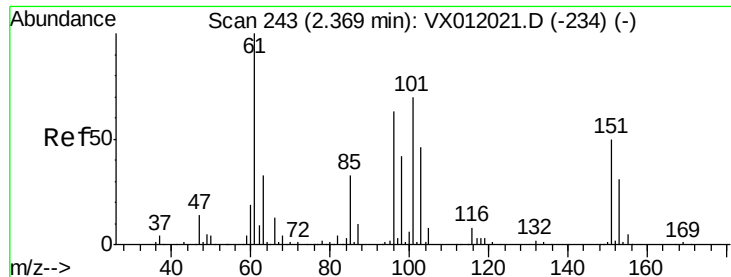


#8

Diethyl Ether
 Concen: 236.292 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	106056		
45	101.4	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 225.869 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

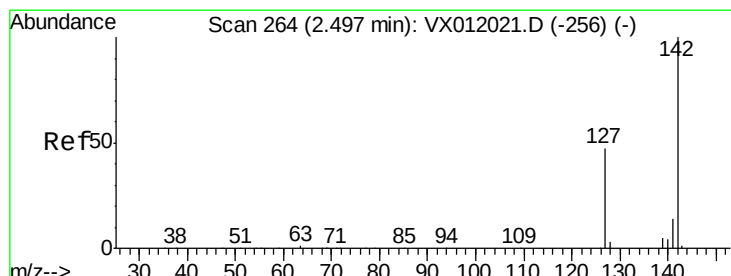
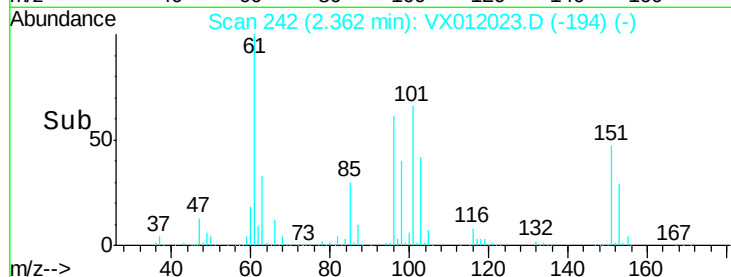
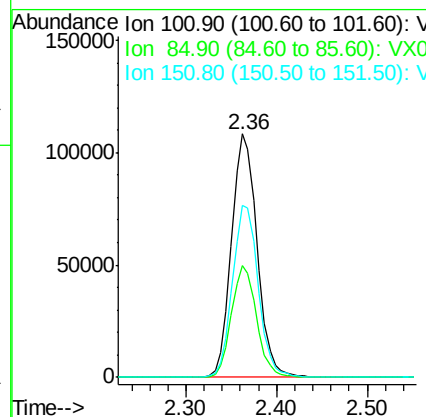
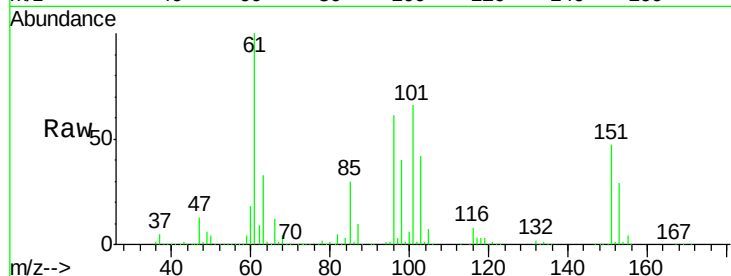
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	212322
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.5	51.7
151	71.3	75.0	112.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 250.358 ug/l

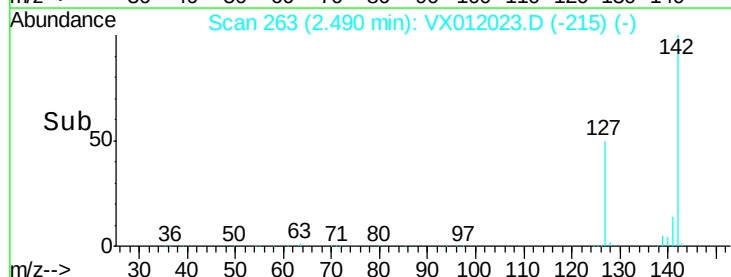
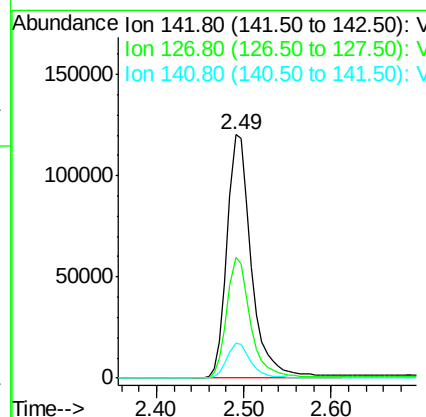
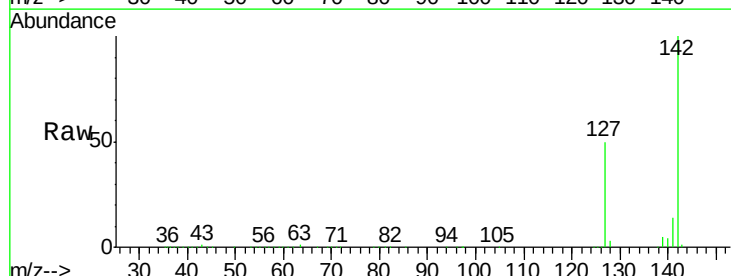
RT: 2.49 min Scan# 263

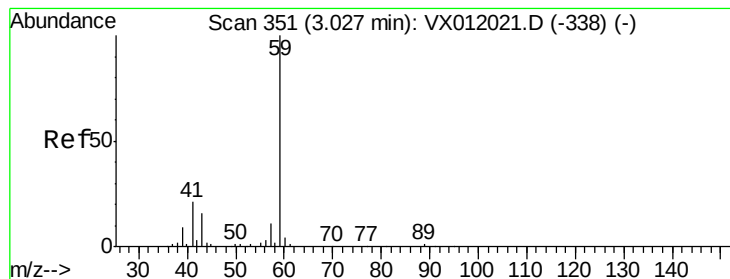
Delta R.T. -0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion:	142	Resp:	235112
Ion Ratio	Lower	Upper	
142	100		
127	48.5	35.4	53.2
141	13.9	11.4	17.2





#11

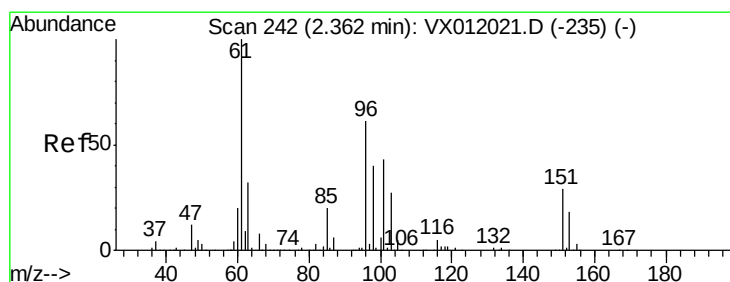
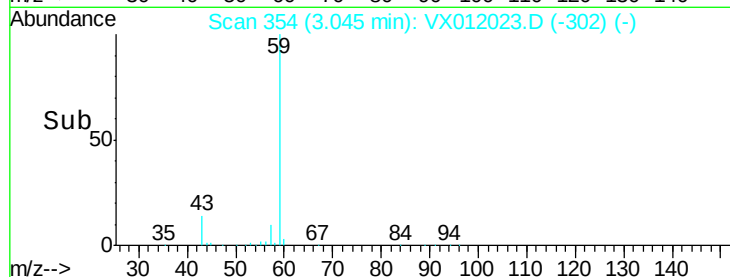
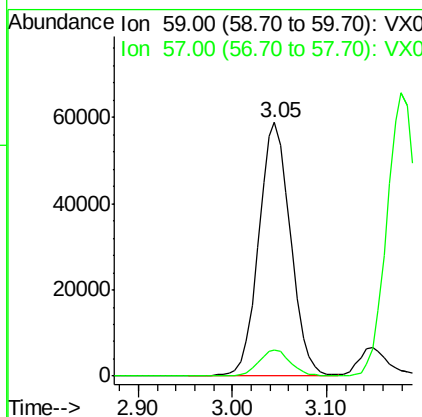
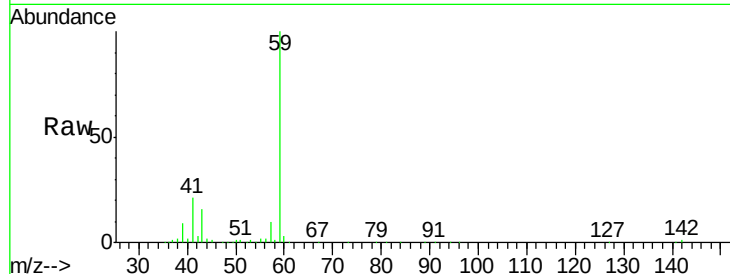
Tert butyl alcohol
 Concen: 1434.351 ug/l
 RT: 3.05 min Scan# 354
 Delta R.T. 0.02 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.9	11.9

Manual Integrations
 APPROVED

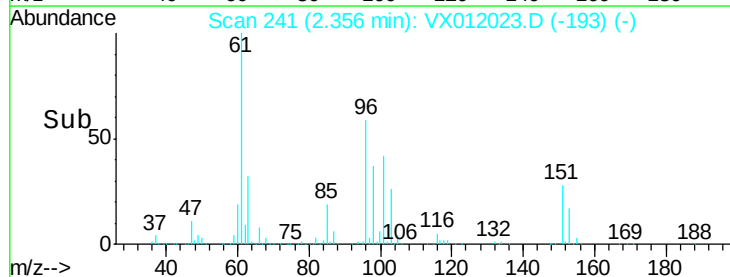
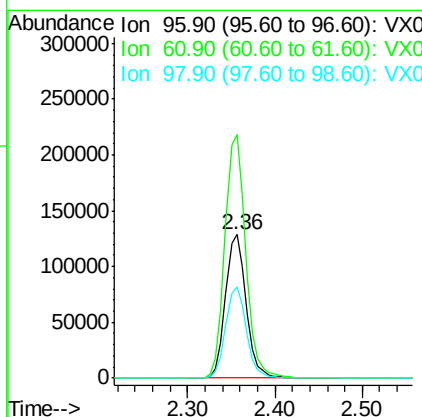
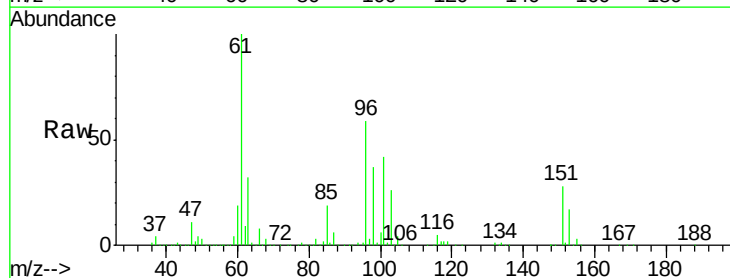
sam
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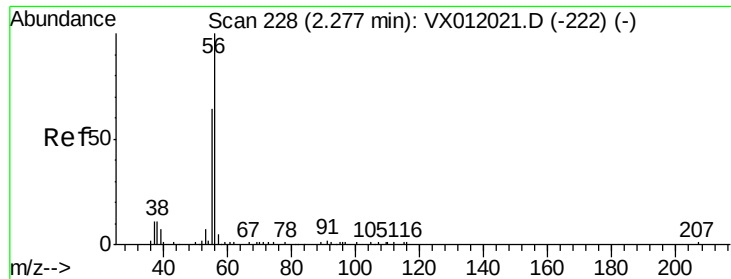


#12

1,1-Dichloroethene
 Concen: 245.048 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	124.1	186.1
98	63.5	50.2	75.2





#13

Acrolein

Concen: 1020.081 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tot Ion: 56 Resp: 36381

Ion Ratio Lower Upper

56 100

55 69.1 59.2 88.8

Instrument :

MSVOA_X

ClientSampleId :

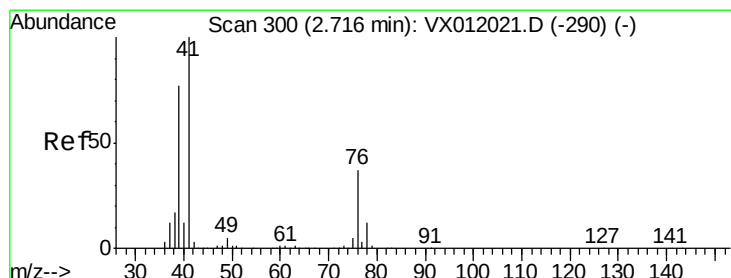
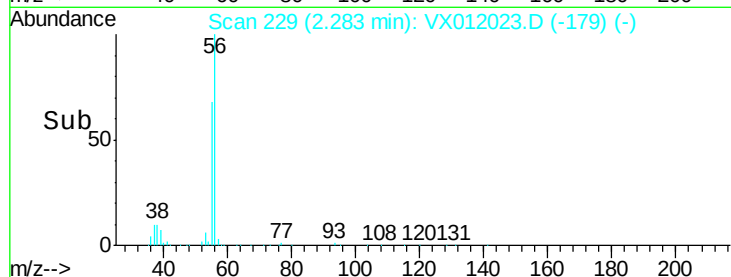
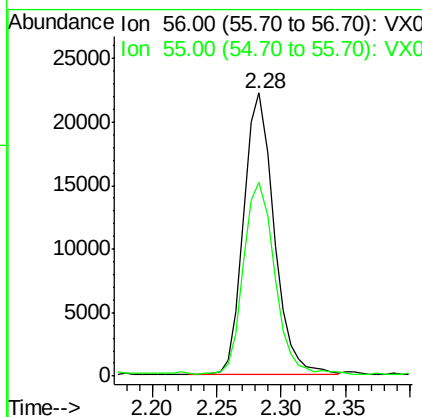
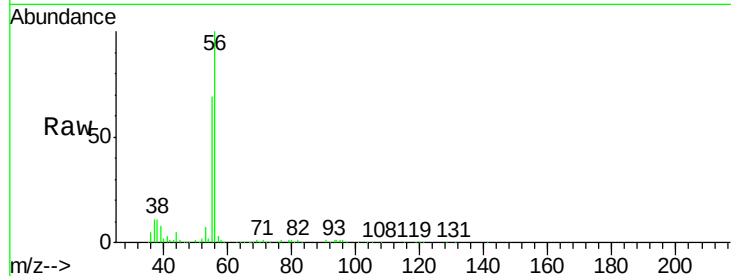
VSTDIC150

Manual Integrations

APPROVED

sam

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#14

Allyl chloride

Concen: 273.574 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

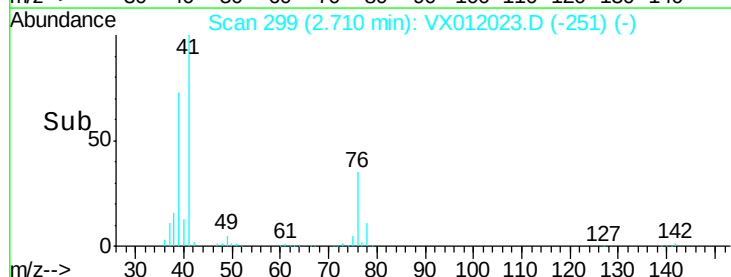
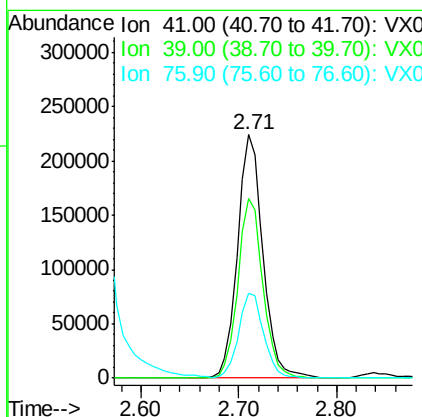
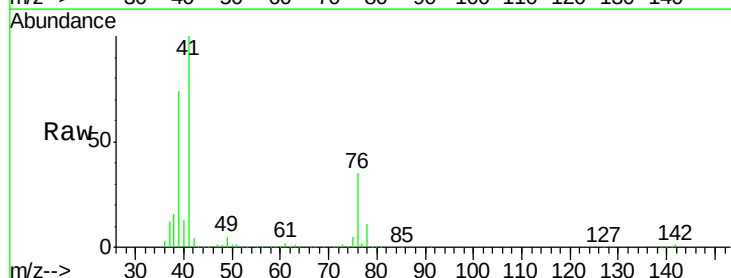
Tgt Ion: 41 Resp: 402136

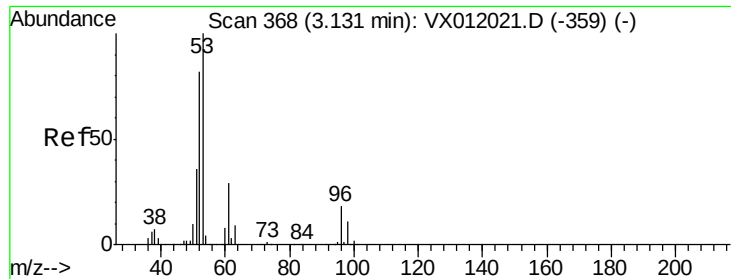
Ion Ratio Lower Upper

41 100

39 72.9 57.9 86.9

76 34.6 28.5 42.7





#15

Acrylonitrile

Concen: 1429.303 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

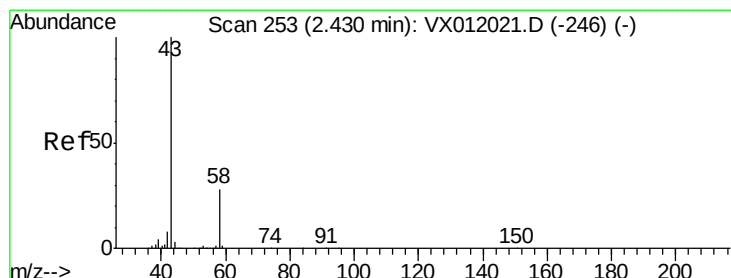
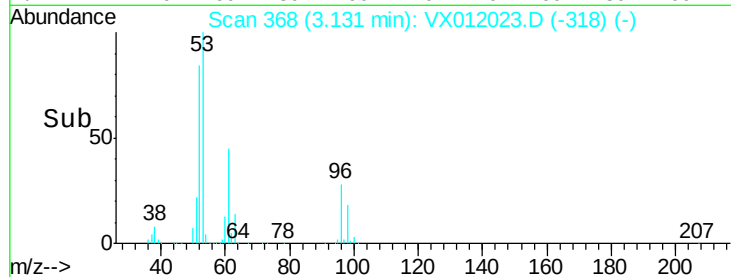
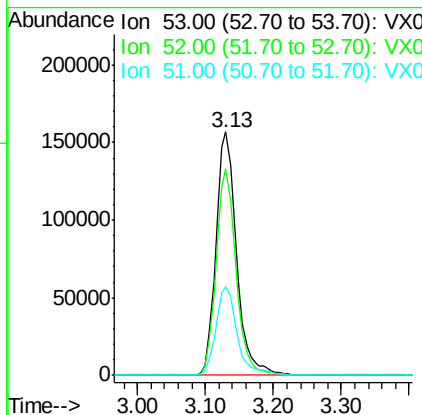
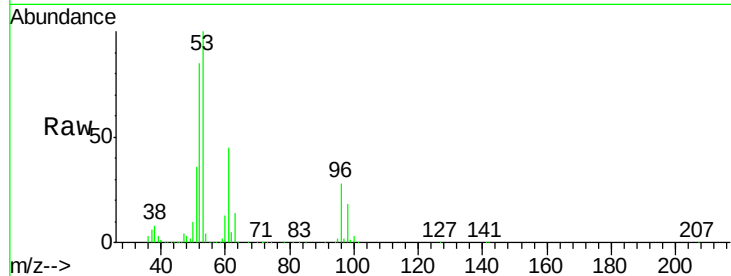
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	328212
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.6	98.4
51	37.4	29.8	44.6

Manual Integrations
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sam
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#16

Acetone

Concen: 1451.825 ug/l

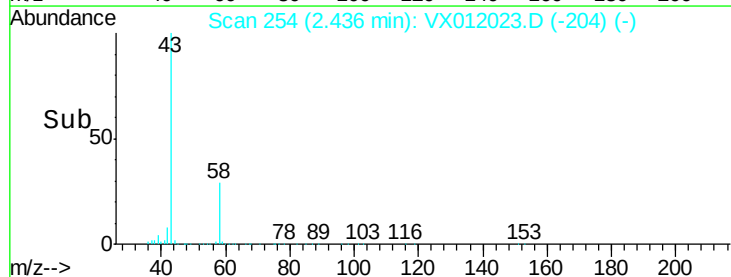
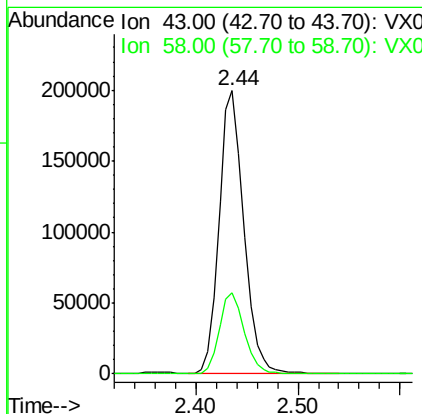
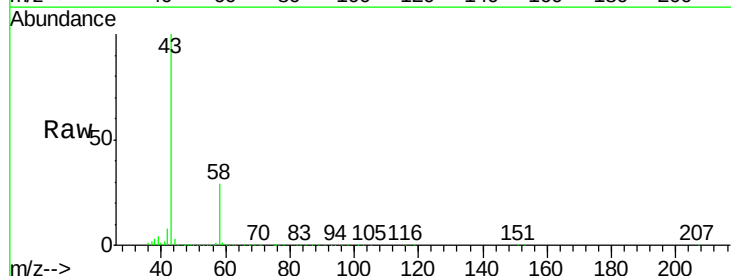
RT: 2.44 min Scan# 254

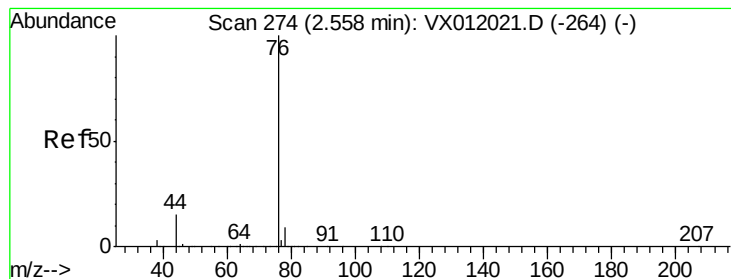
Delta R.T. 0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion:	43	Resp:	335998
Ion Ratio	Lower	Upper	
43	100		
58	28.9	22.8	34.2





#17

Carbon Disulfide

Concen: 282.970 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 684714

Ion Ratio Lower Upper

76 100

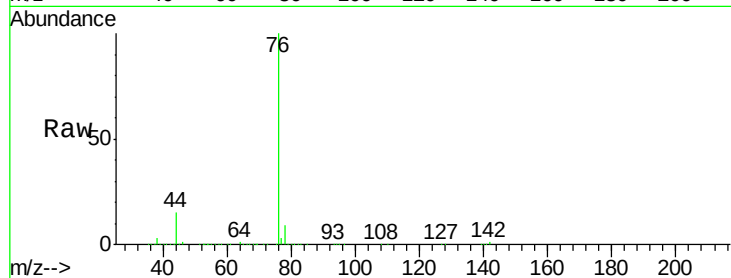
78 9.3 7.4 11.2

Manual Integrations

APPROVED

sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

400000

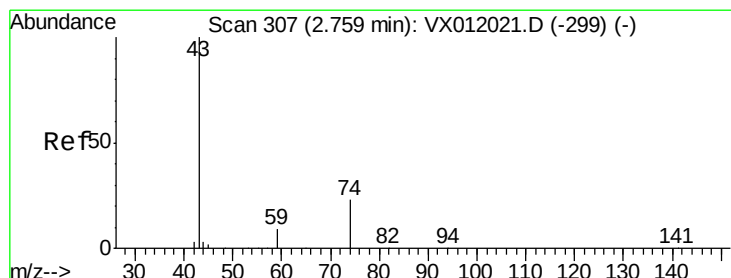
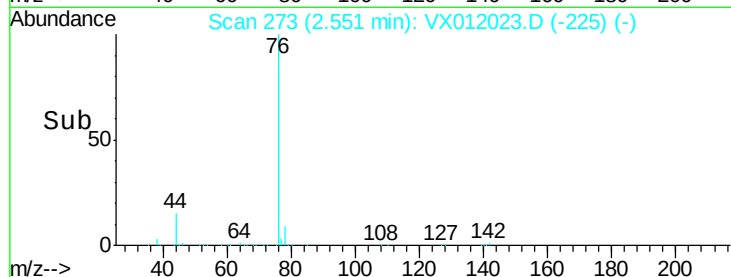
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 281.511 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012023.D

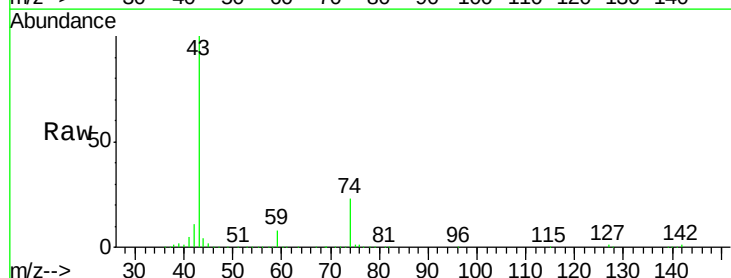
Acq: 03 Sep 2019 15:01

Tgt Ion: 43 Resp: 168827

Ion Ratio Lower Upper

43 100

74 23.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

100000

80000

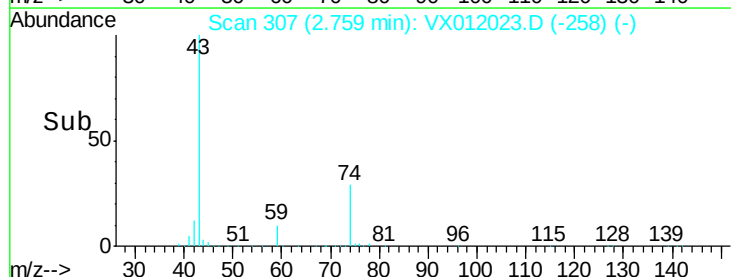
60000

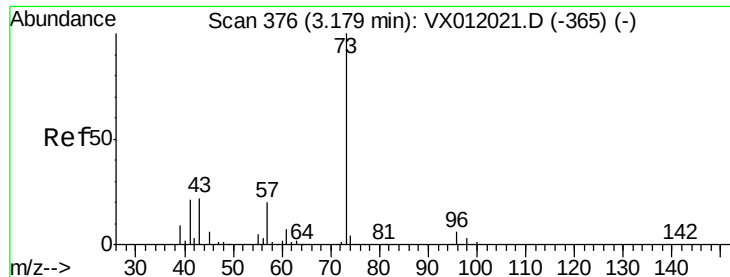
40000

20000

0

Time-->





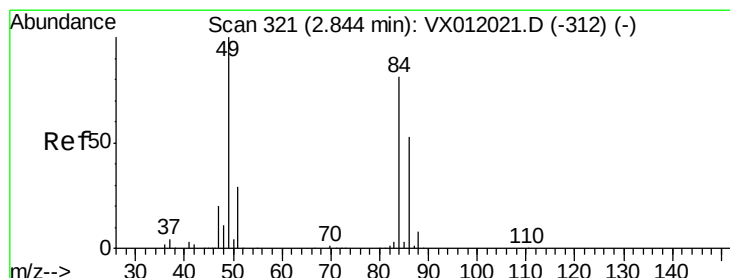
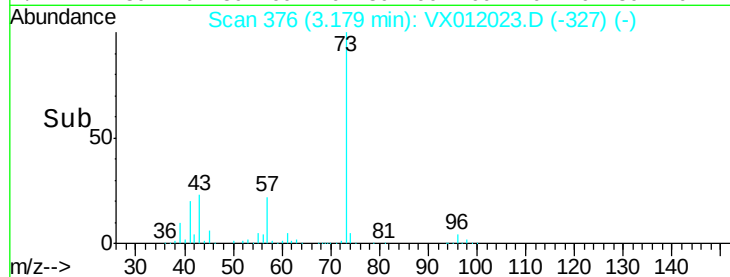
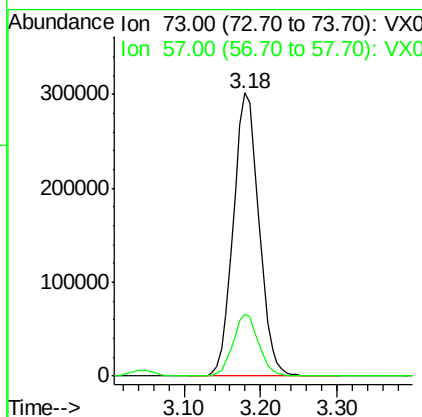
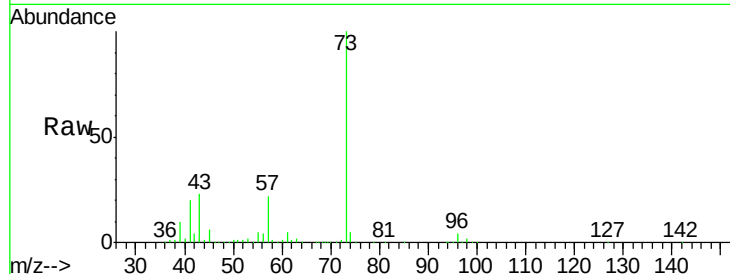
#19
Methyl tert-butyl Ether
Concen: 274.152 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 700969
Ion Ratio Lower Upper
73 100
57 21.8 16.6 25.0

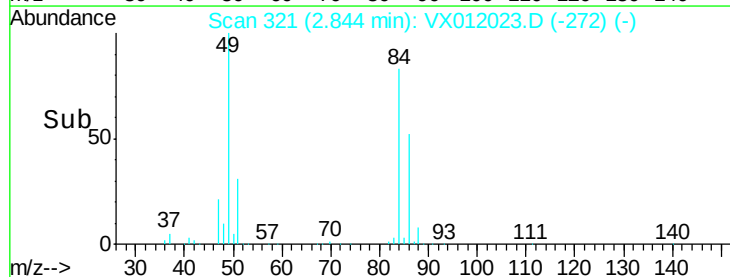
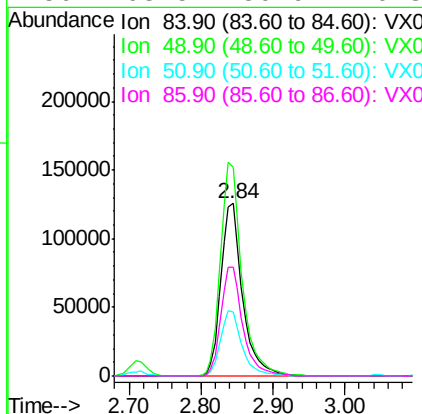
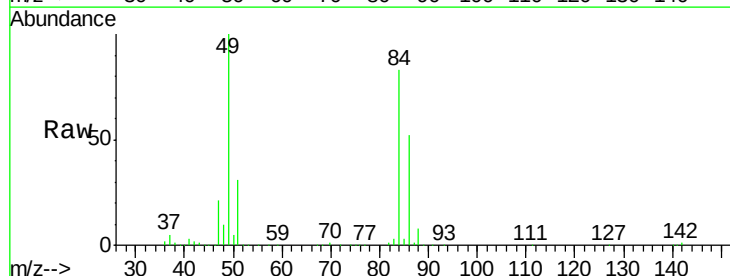
Manual Integrations
APPROVED

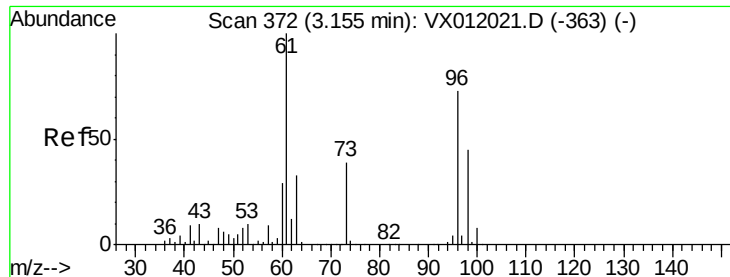
sam
9/4/2019 4:45:53 PM



#20
Methylene Chloride
Concen: 251.895 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion: 84 Resp: 263315
Ion Ratio Lower Upper
84 100
49 121.0 95.8 143.8
51 37.5 28.6 43.0
86 63.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 249.274 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

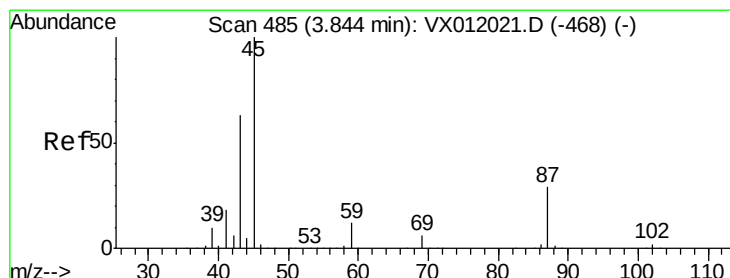
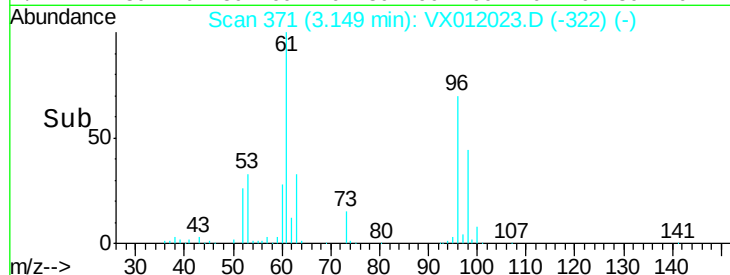
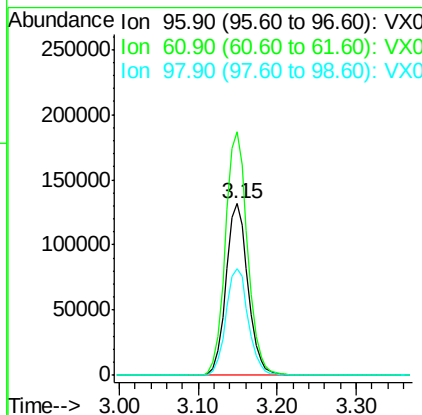
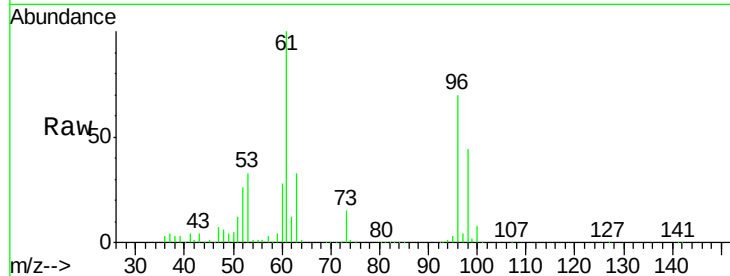
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	254144
Ion	Ratio	Lower	Upper
96	100		
61	142.0	107.0	160.6
98	62.2	49.8	74.6

Manual Integrations
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sam
9/4/2019 4:45:53 PM



#22

Diisopropyl ether

Concen: 268.099 ug/l

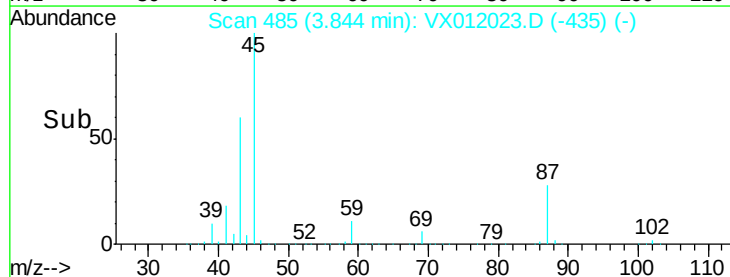
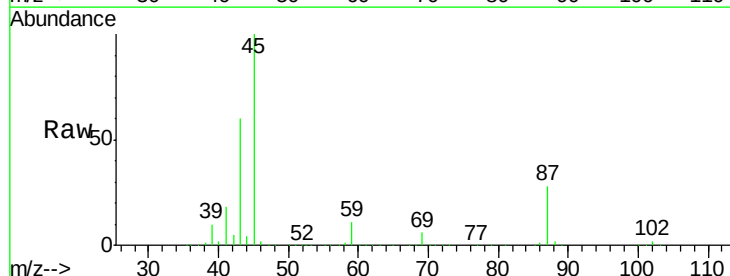
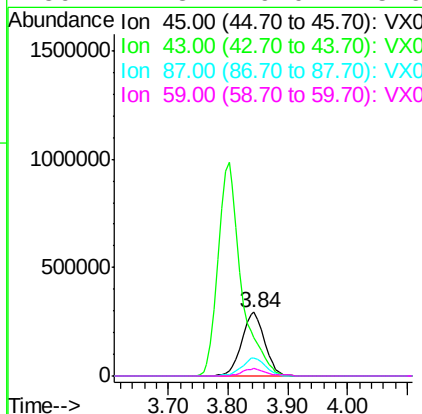
RT: 3.84 min Scan# 485

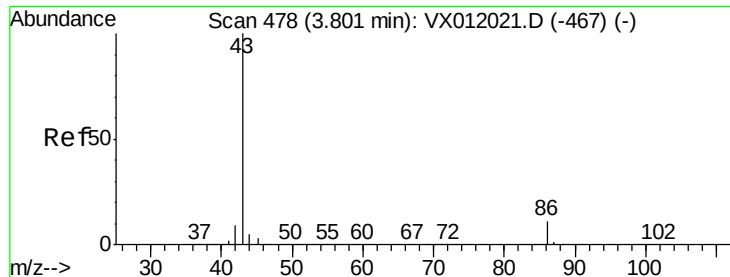
Delta R.T. 0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion:	45	Resp:	792533
Ion	Ratio	Lower	Upper
45	100		
43	60.2	54.2	81.4
87	27.9	23.4	35.0
59	11.3	9.0	13.6





#23

Vinyl Acetate

Concen: 1429.313 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 2656690

Ion Ratio Lower Upper

43 100

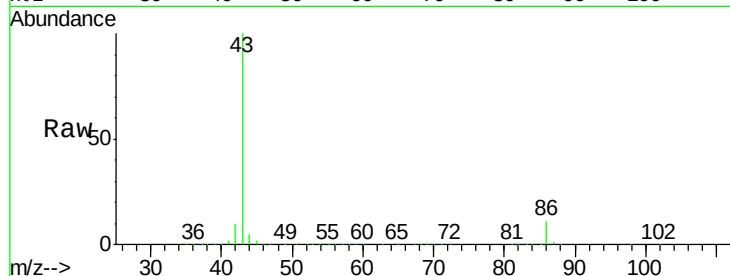
86 10.7 9.0 13.6

Manual Integrations

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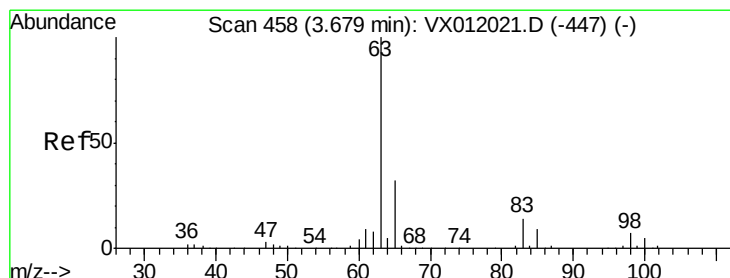
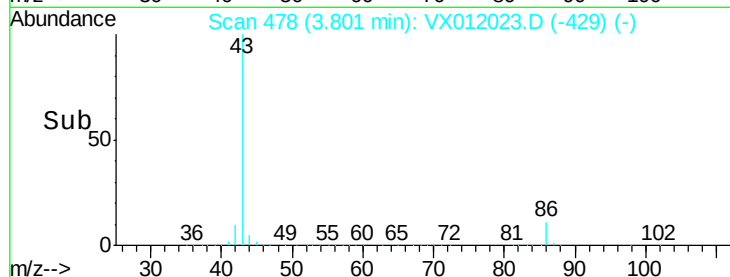
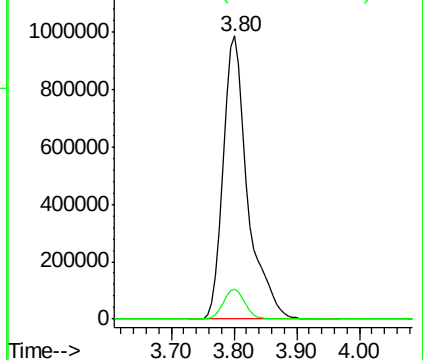
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 268.176 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

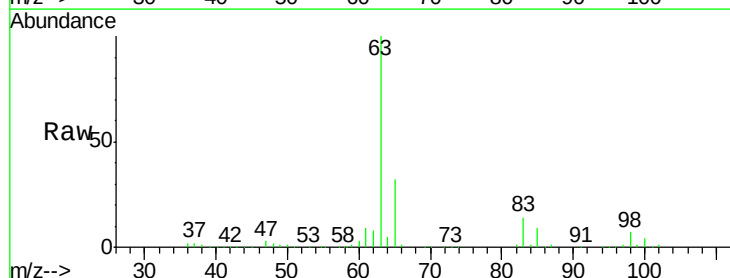
Tgt Ion: 63 Resp: 462325

Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

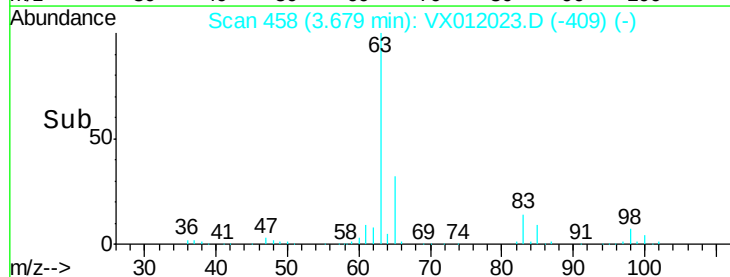
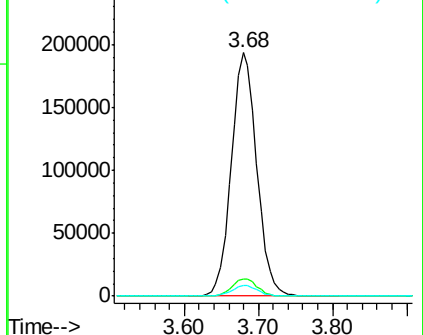
100 4.4 2.5 7.4

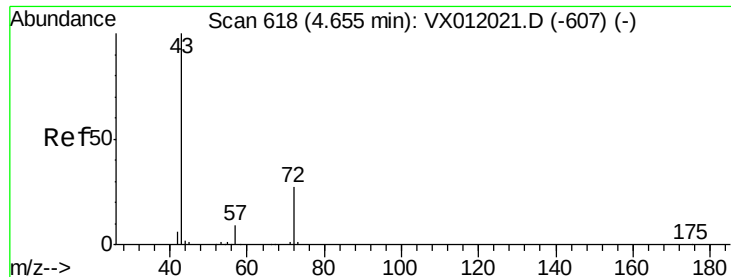


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 1503.558 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tot Ion: 43 Resp: 474049

Ion Ratio Lower Upper

43 100

72 26.3 21.3 31.9

Instrument :

MSVOA_X

ClientSampleId :

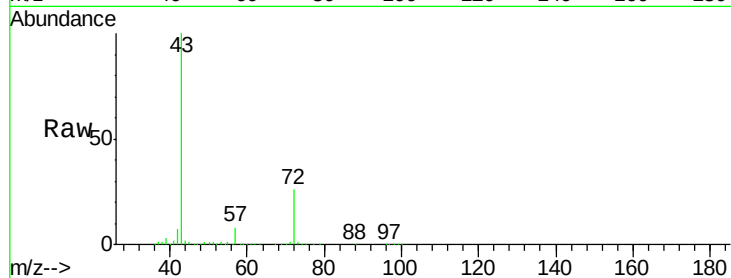
VSTDIC150

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.66

150000

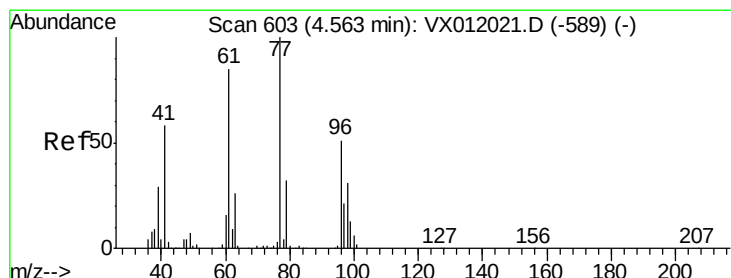
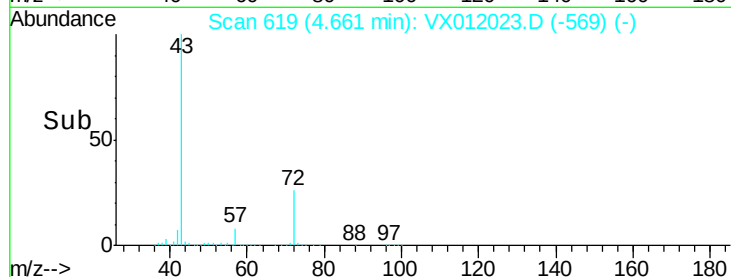
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 253.061 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012023.D

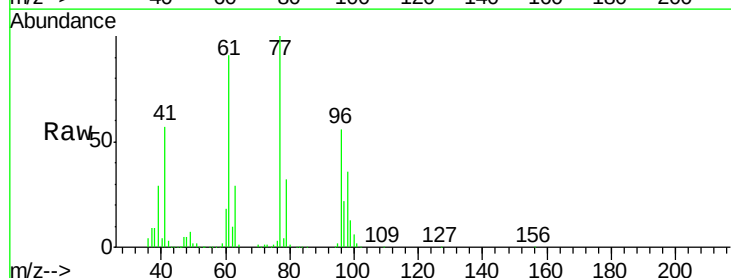
Acq: 03 Sep 2019 15:01

Tgt Ion: 77 Resp: 404674

Ion Ratio Lower Upper

77 100

97 22.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

150000

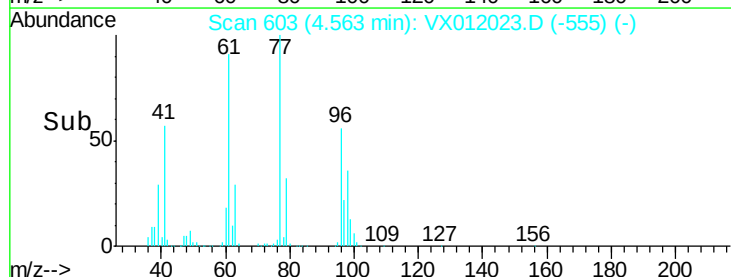
100000

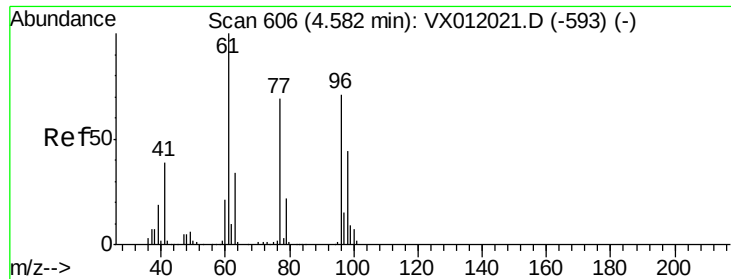
50000

0

4.40 4.50 4.60 4.70

Time-->





#27

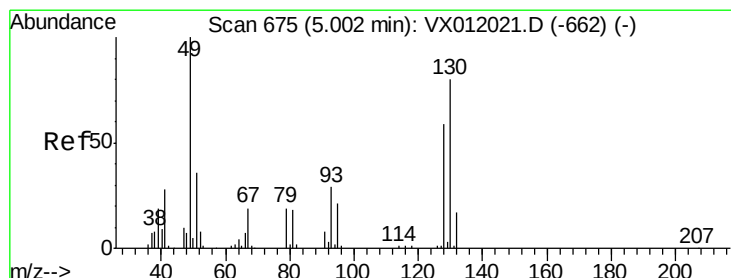
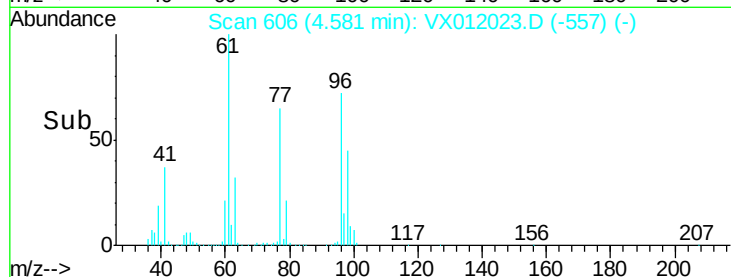
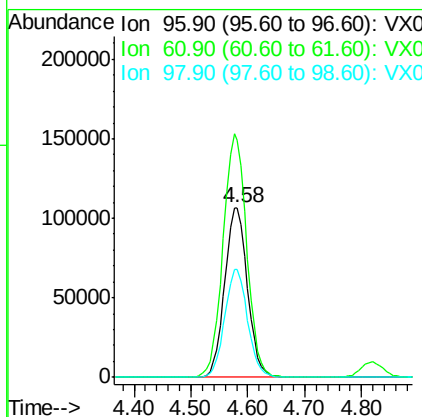
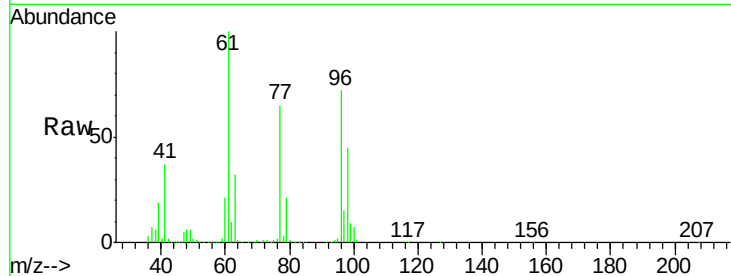
cis-1,2-Dichloroethene
 Concen: 253.630 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	297092		
61	148.8	0.0	277.0	
98	64.0	0.0	128.4	

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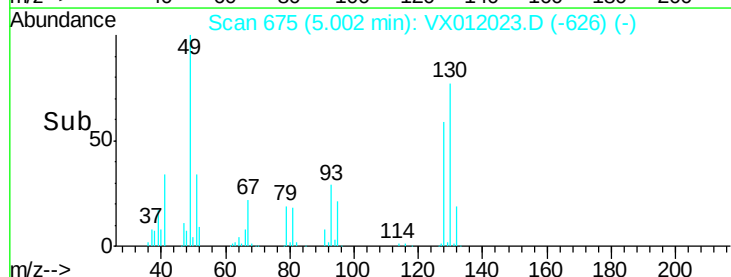
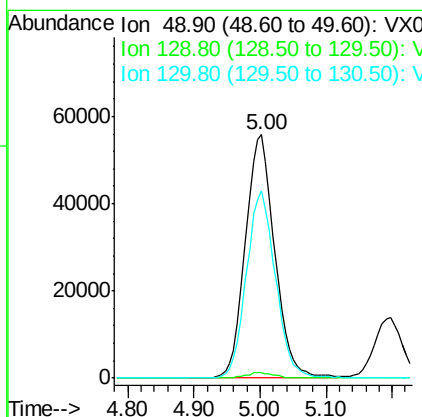
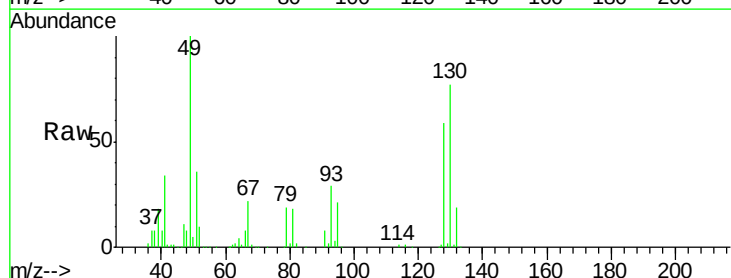
sam
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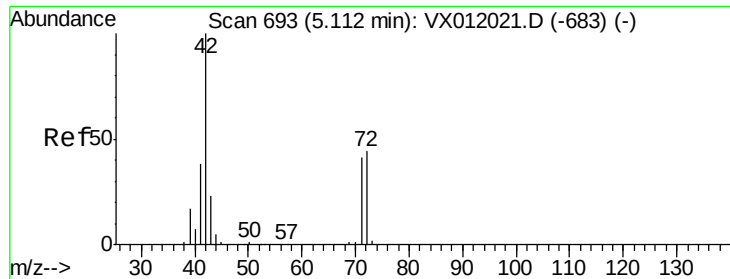


#28

Bromochloromethane
 Concen: 243.835 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172763		
129	2.2	0.0	5.6	
130	76.4	76.7	115.1#	





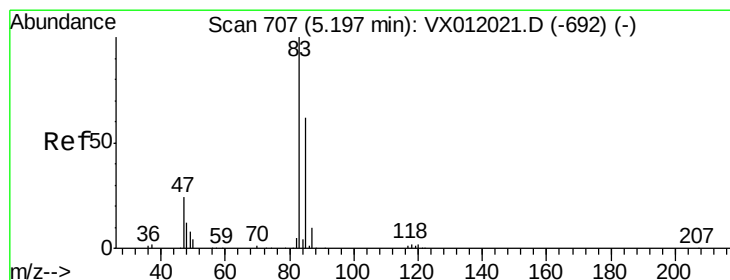
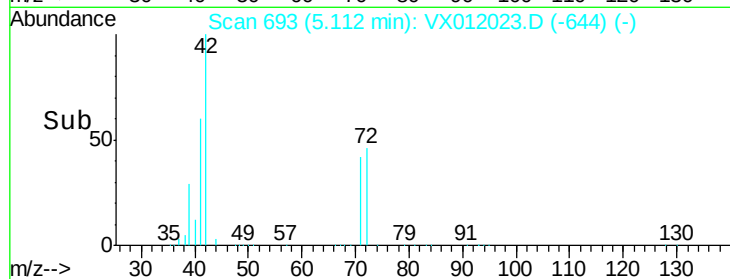
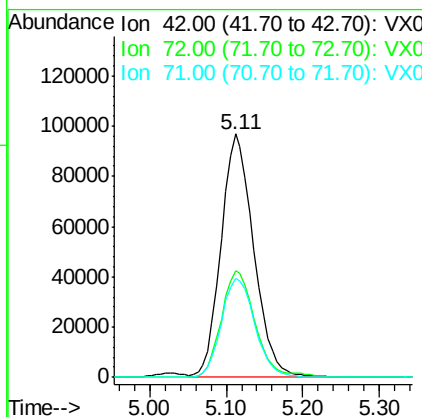
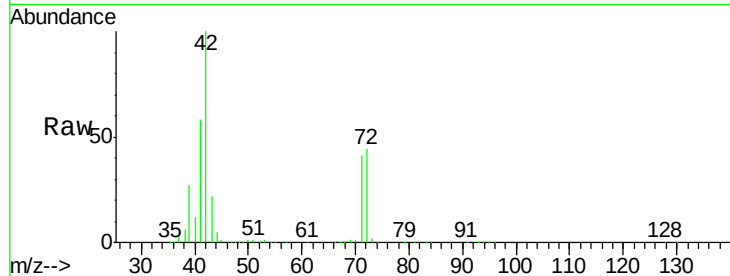
#29
Tetrahydrofuran
Concen: 1467.810 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.0	55.4
71	42.1	33.8	50.8

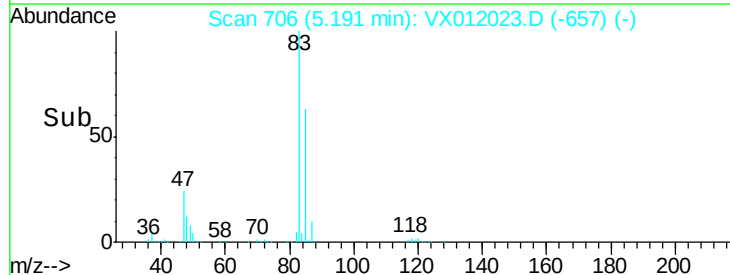
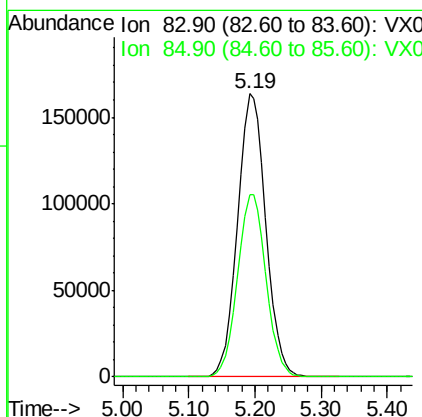
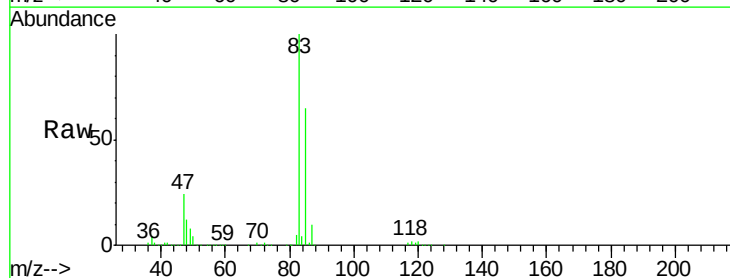
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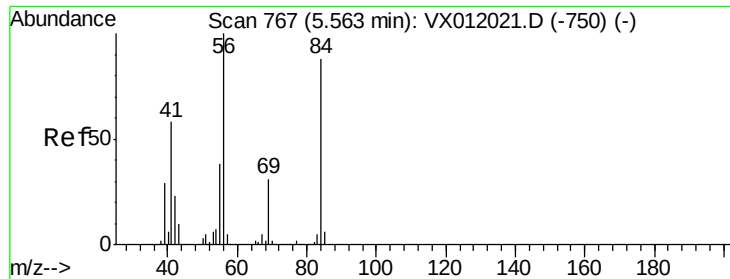
sam
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#30
Chloroform
Concen: 256.629 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





#31

Cyclohexane

Concen: 244.037 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 350496

Ion Ratio Lower Upper

56 100

69 32.1 25.7 38.5

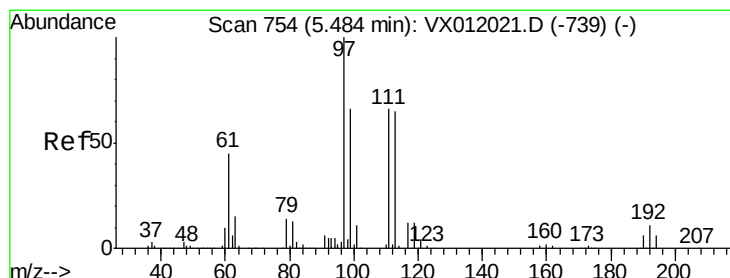
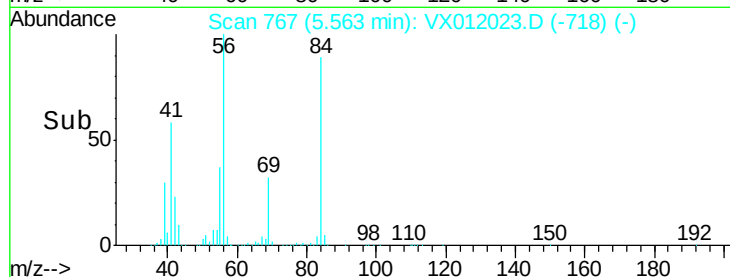
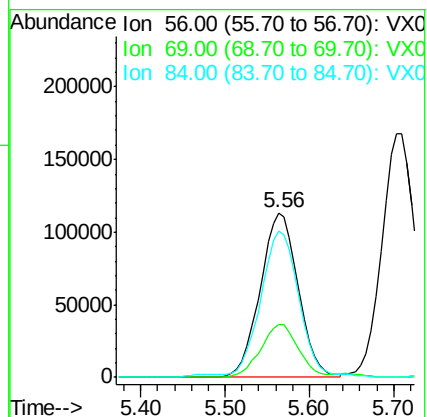
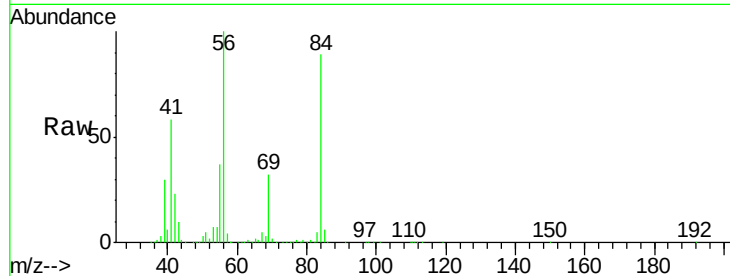
84 87.8 70.3 105.5

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#32

1,1,1-Trichloroethane

Concen: 241.947 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

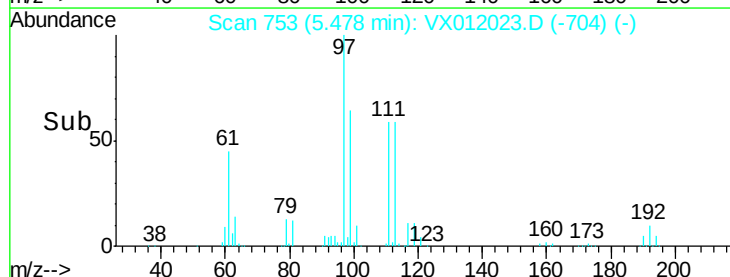
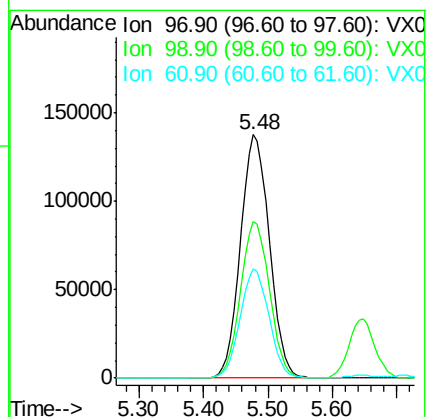
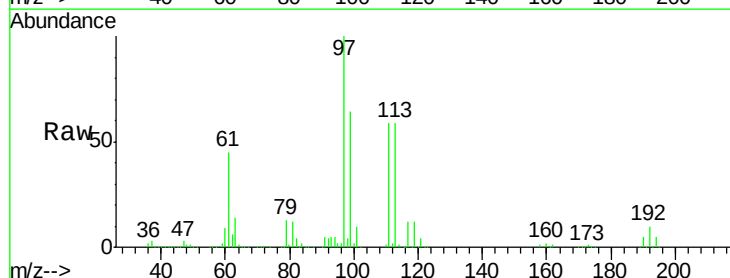
Tgt Ion: 97 Resp: 425947

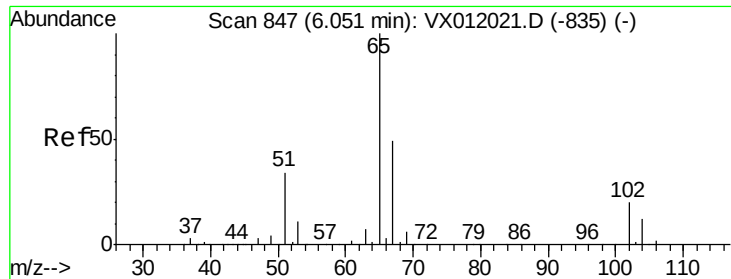
Ion Ratio Lower Upper

97 100

99 64.3 52.1 78.1

61 44.8 32.8 49.2





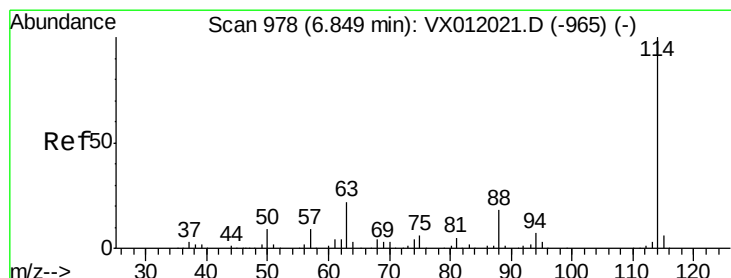
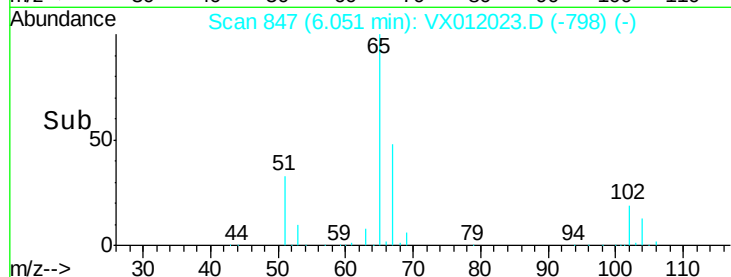
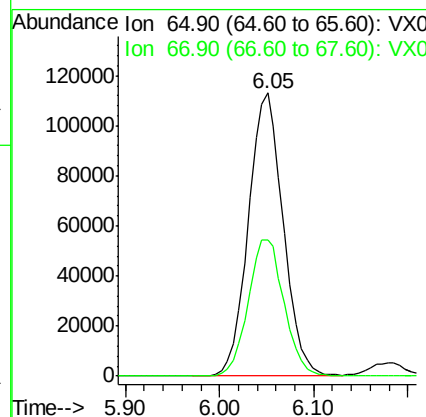
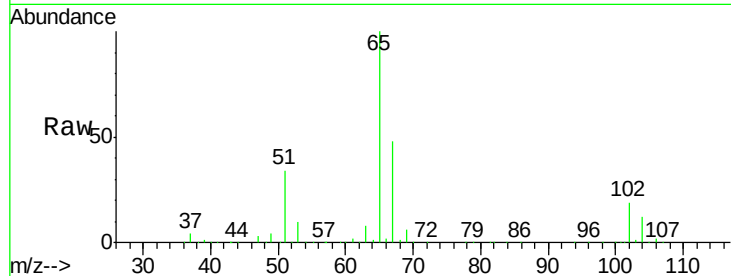
#33
 1,2-Dichloroethane-d4
 Concen: 248.093 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	292568		
67	49.8	0.0	102.0	

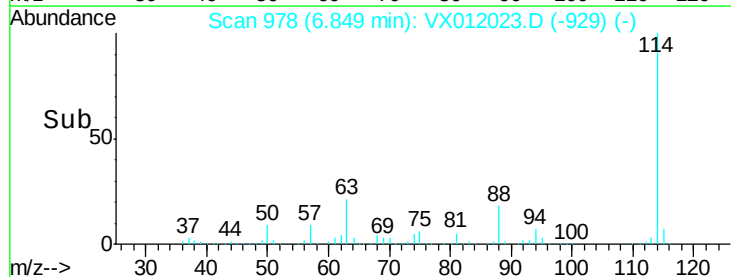
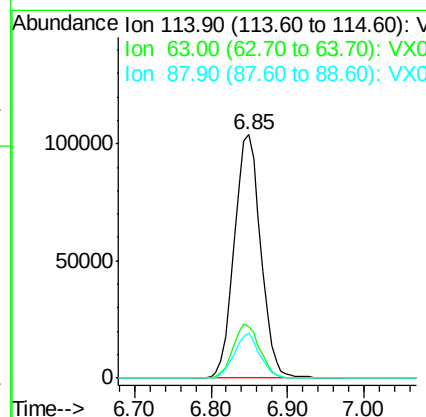
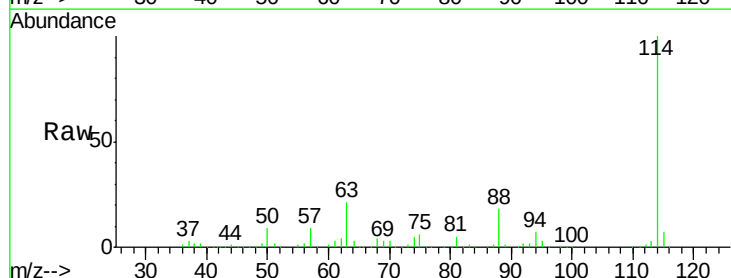
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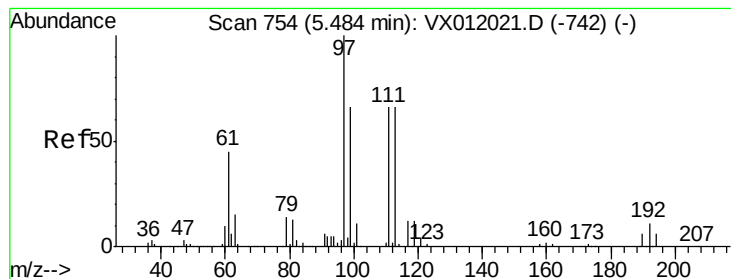
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	248519		
63	21.5	0.0	37.4	
88	18.4	0.0	29.6	





#35

Dibromofluoromethane

Concen: 147.355 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

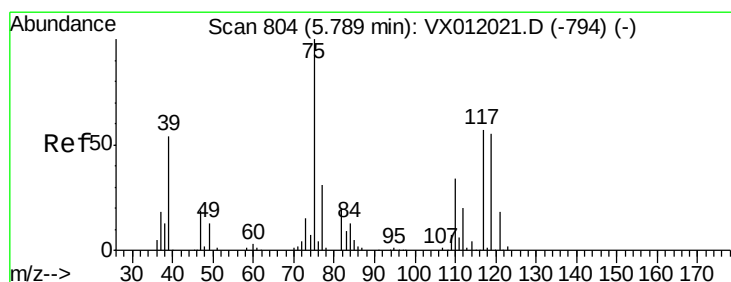
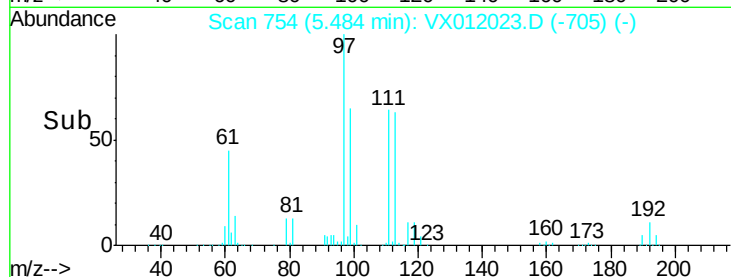
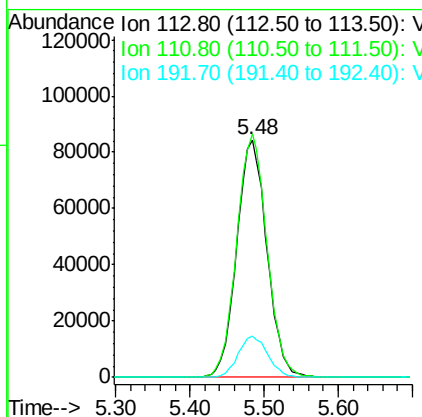
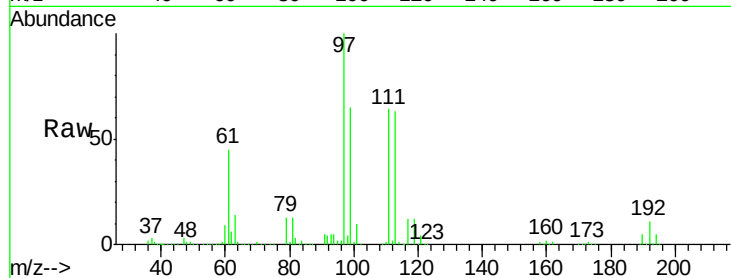
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	240123
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.7	122.5
192	17.1	22.5	33.7#

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#36

1,1-Dichloropropene

Concen: 181.840 ug/l

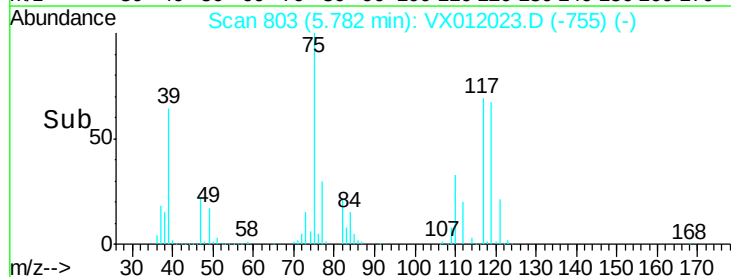
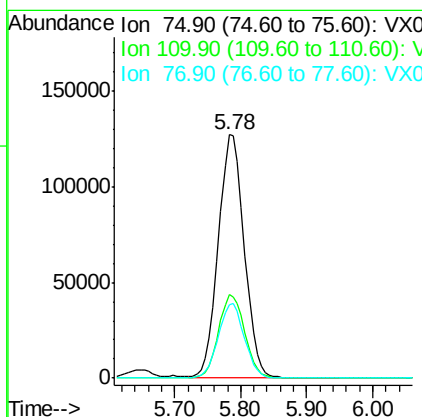
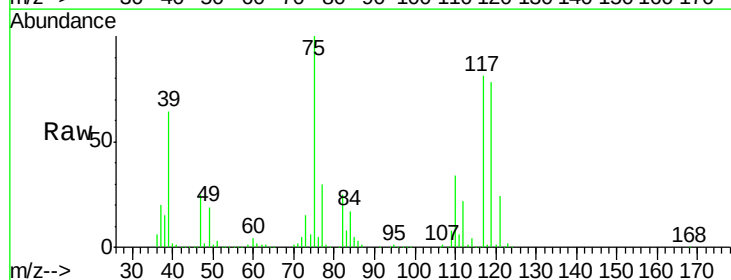
RT: 5.78 min Scan# 803

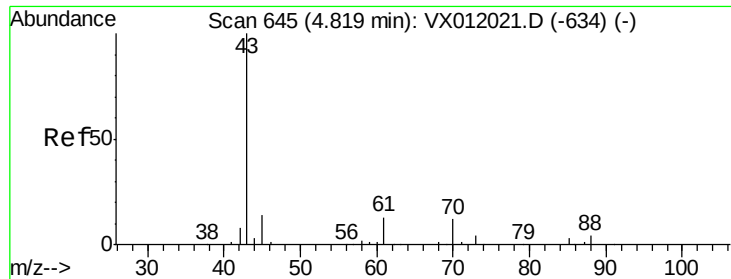
Delta R.T. -0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion:	75	Resp:	345793
Ion Ratio	Lower	Upper	
75	100		
110	34.9	19.5	58.5
77	30.5	24.6	37.0





#37

Ethyl Acetate

Concen: 212.797 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

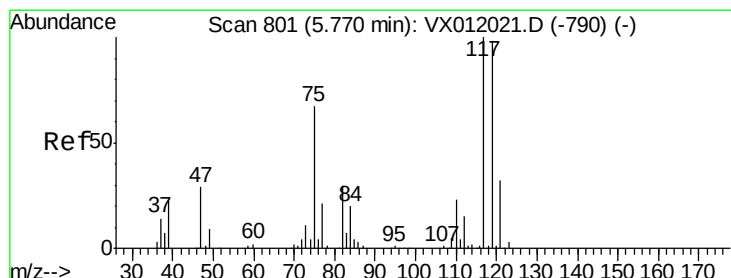
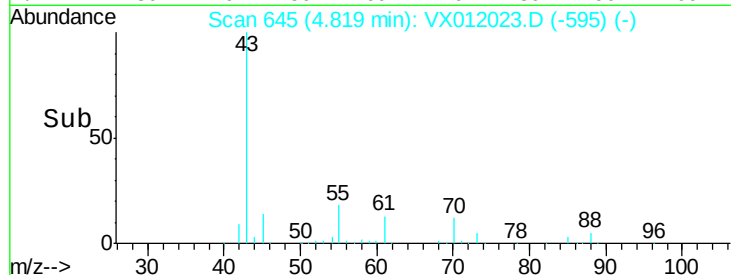
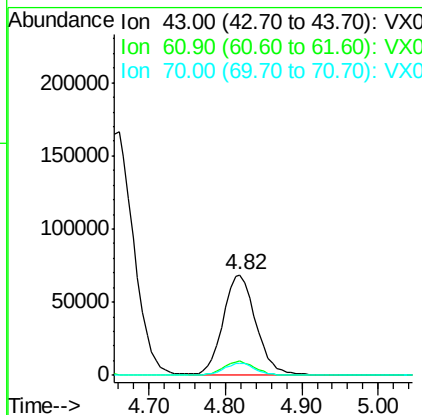
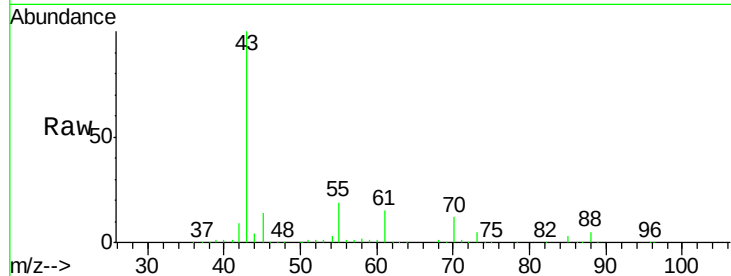
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	202571
Ion Ratio	Lower	Upper	
43	100		
61	13.4	10.9	16.3
70	12.0	9.4	14.0

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#38

Carbon Tetrachloride

Concen: 159.562 ug/l

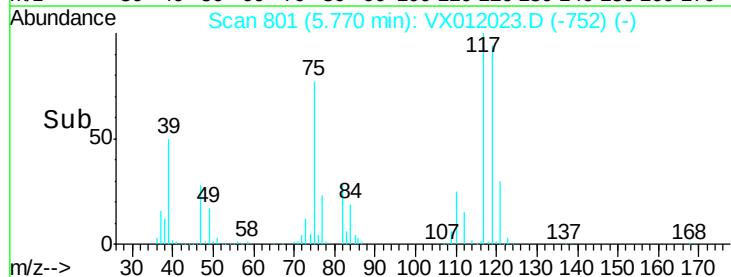
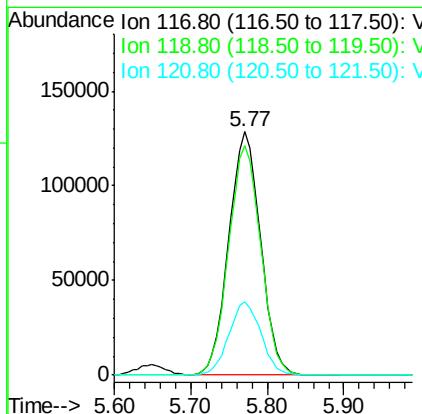
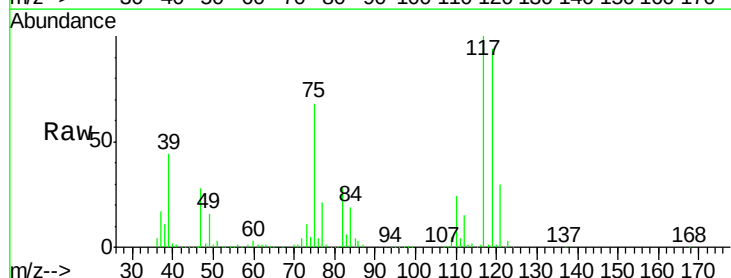
RT: 5.77 min Scan# 801

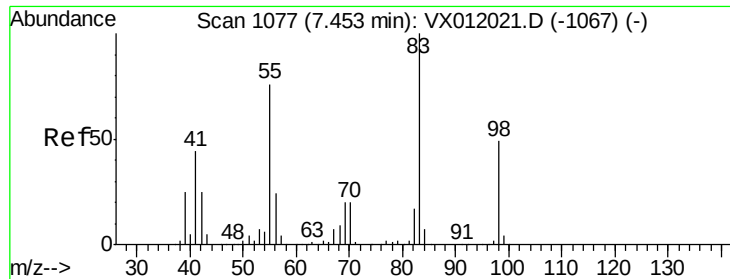
Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion:	117	Resp:	368973
Ion Ratio	Lower	Upper	
117	100		
119	94.2	78.3	117.5
121	30.0	24.2	36.2





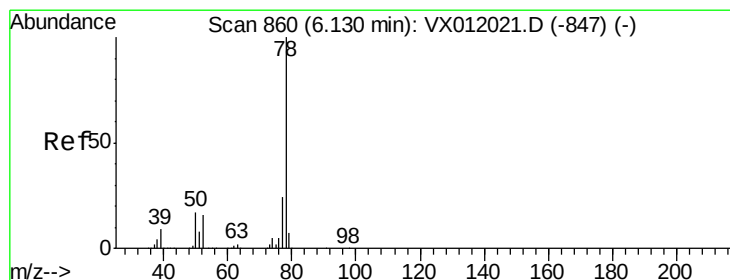
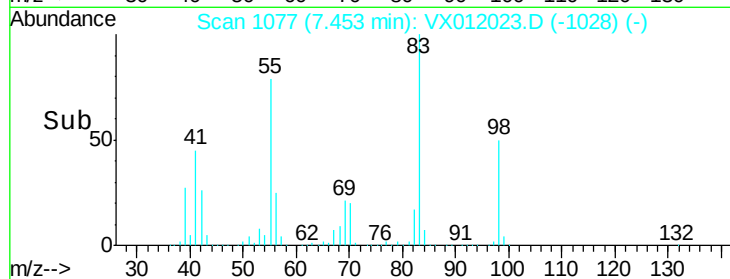
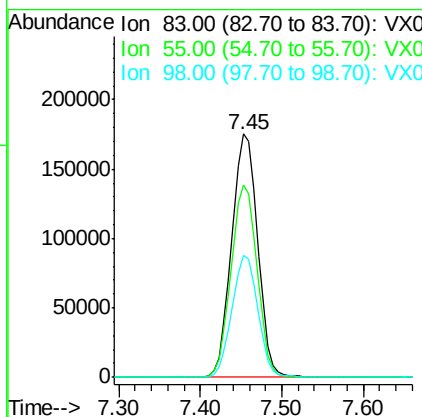
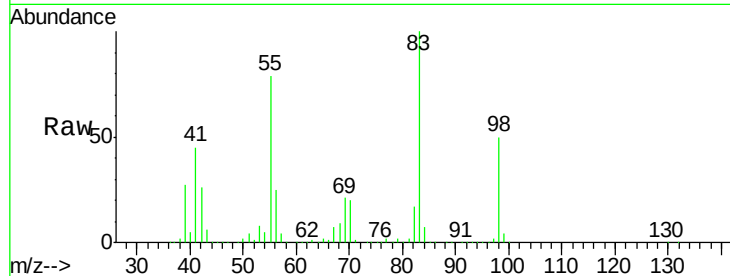
#39
Methylvlcyclohexane
Concen: 166.675 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.0	59.6	89.4	
98	49.9	41.4	62.0	

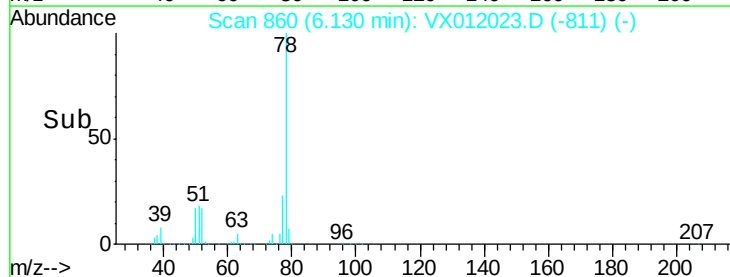
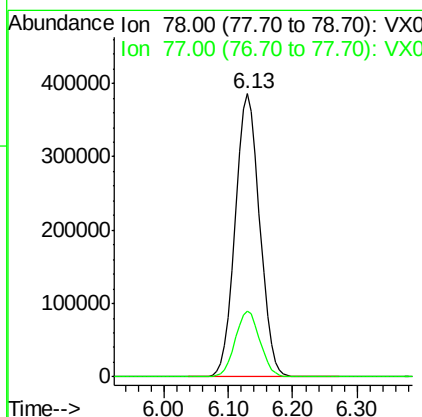
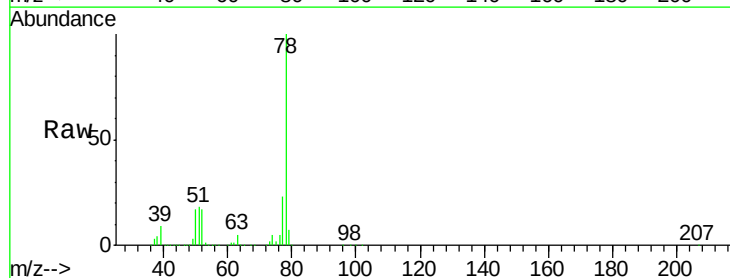
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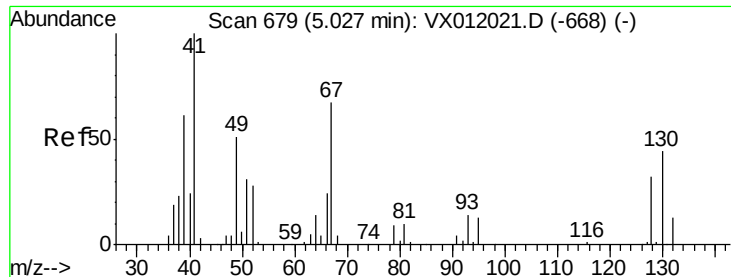
sam
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#40
Benzene
Concen: 185.345 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.3	28.9	





#41

Methacrylonitrile

Concen: 212.414 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 41 Resp: 121863

Ion Ratio Lower Upper

41 100

39 56.0 46.7 70.1

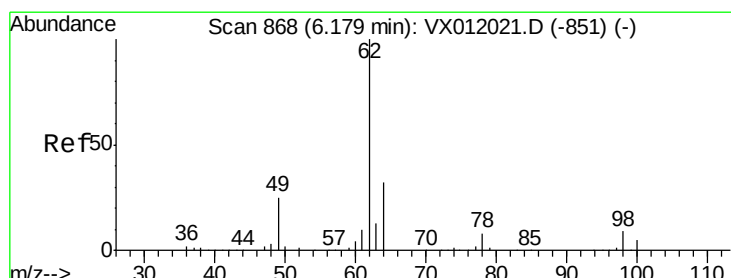
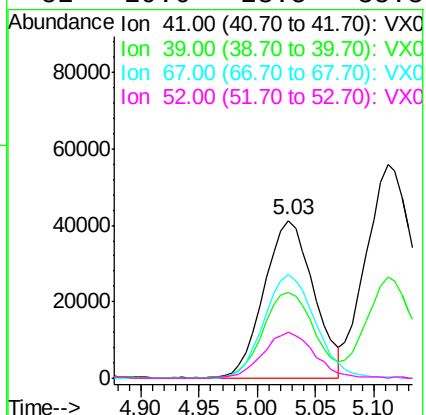
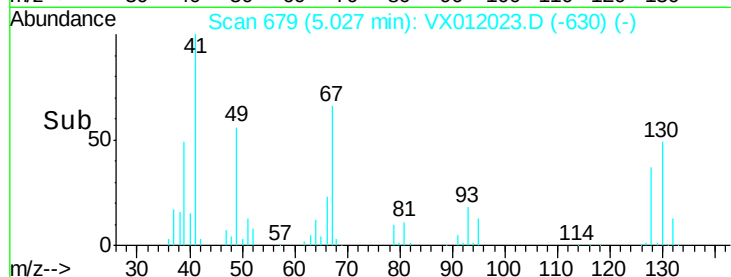
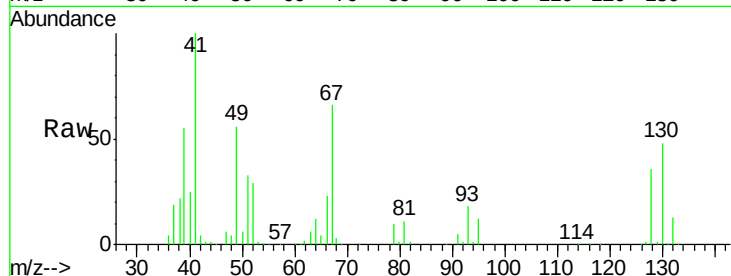
67 67.5 57.0 85.6

52 29.6 23.5 35.3

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#42

1,2-Dichloroethane

Concen: 198.491 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012023.D

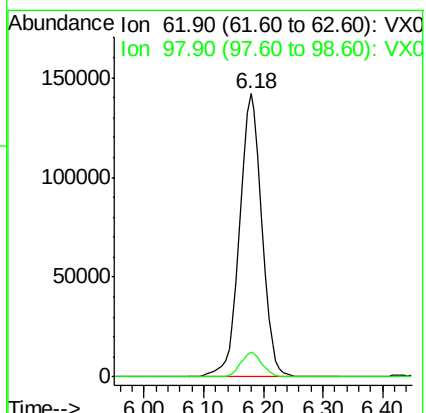
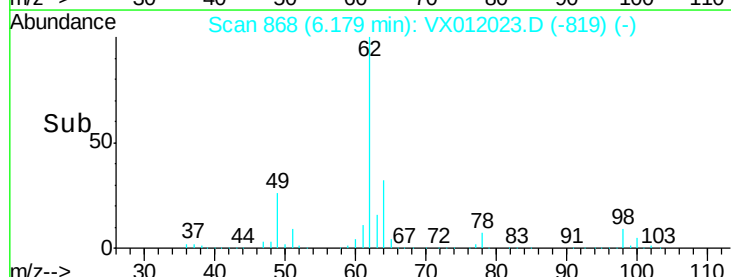
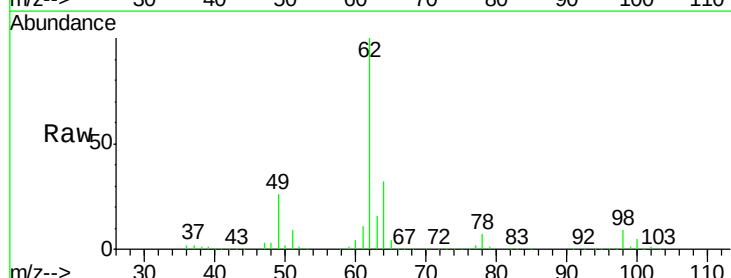
Acq: 03 Sep 2019 15:01

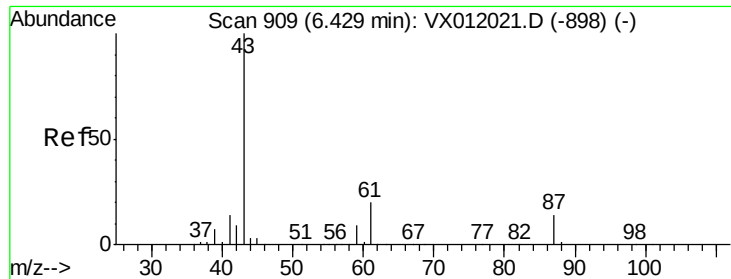
Tgt Ion: 62 Resp: 369307

Ion Ratio Lower Upper

62 100

98 8.4 0.0 19.2





#43

Isopropyl Acetate

Concen: 209.713 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

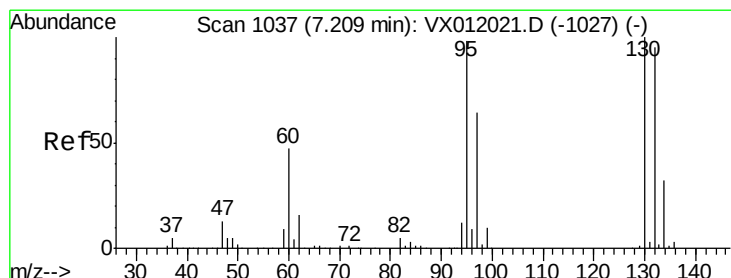
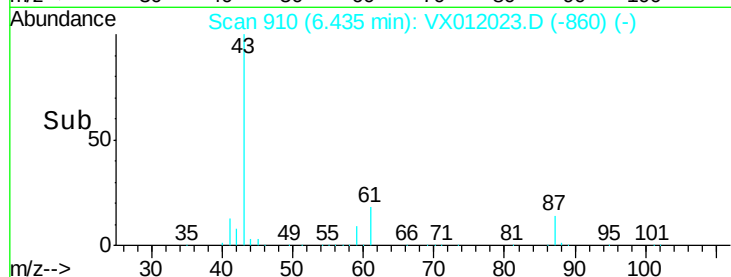
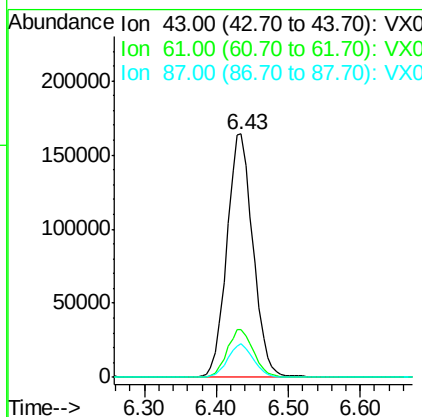
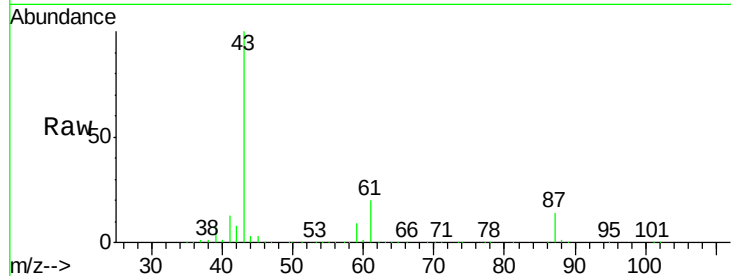
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	412651
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.3	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 148.422 ug/l

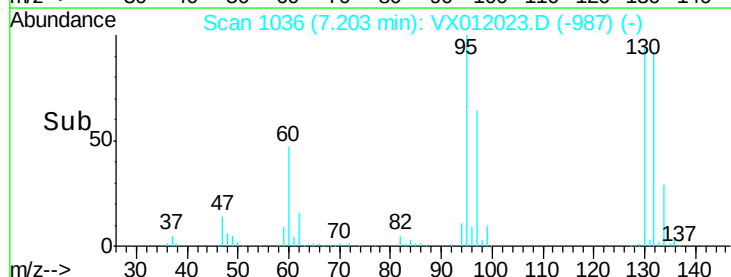
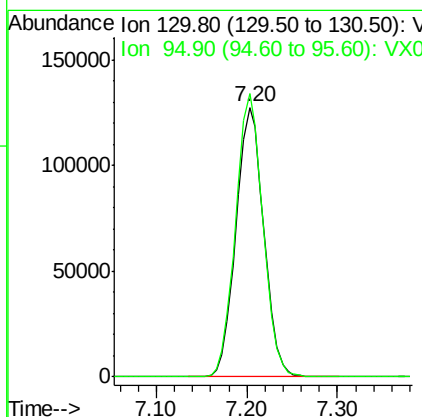
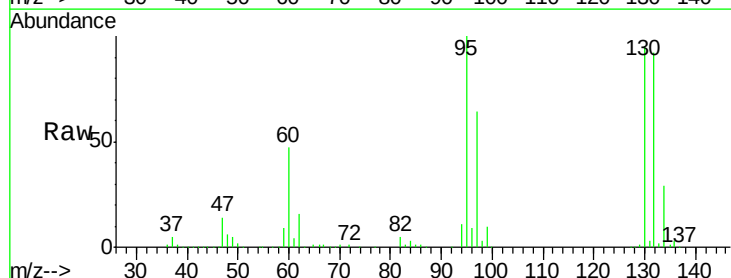
RT: 7.20 min Scan# 1036

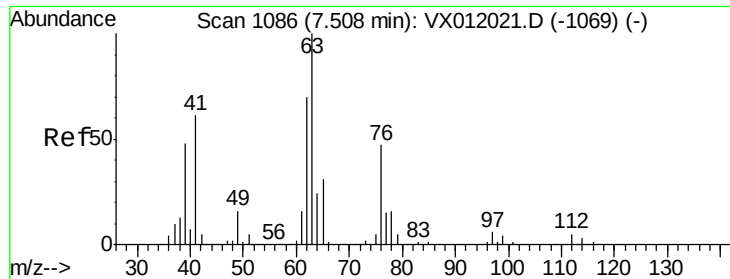
Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion:	130	Resp:	270743
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	176.4





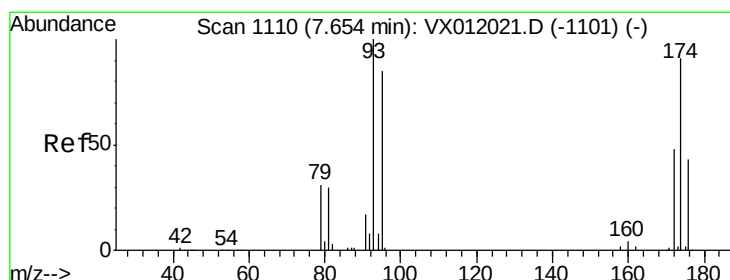
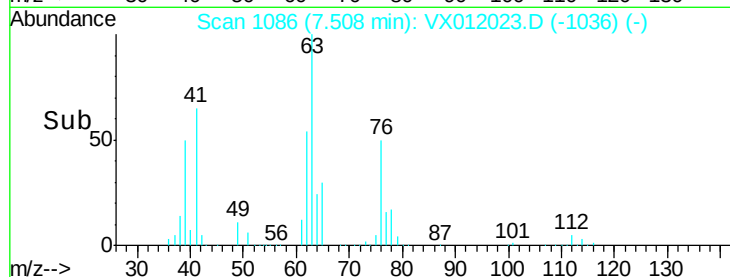
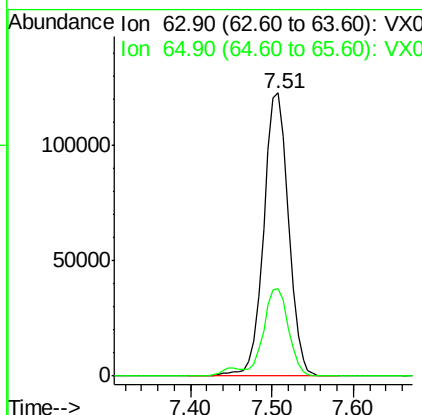
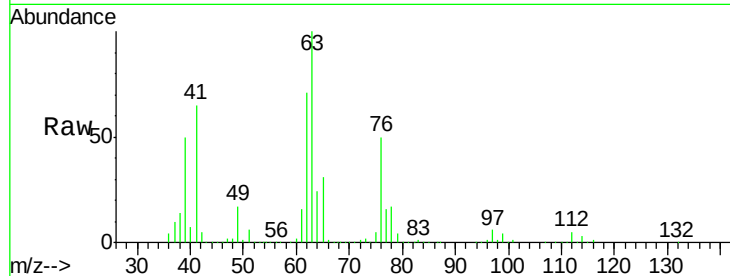
#45
 1,2-Dichloropropane
 Concen: 188.430 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion: 63 Resp: 260417
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

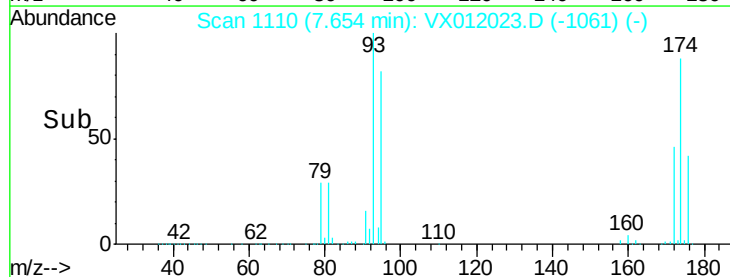
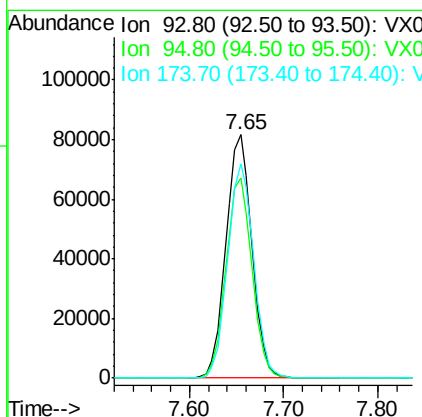
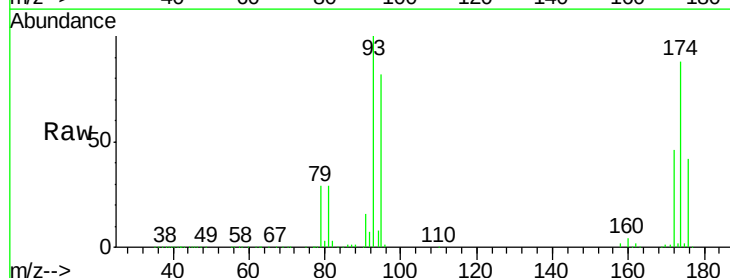
Manual Integrations
 APPROVED

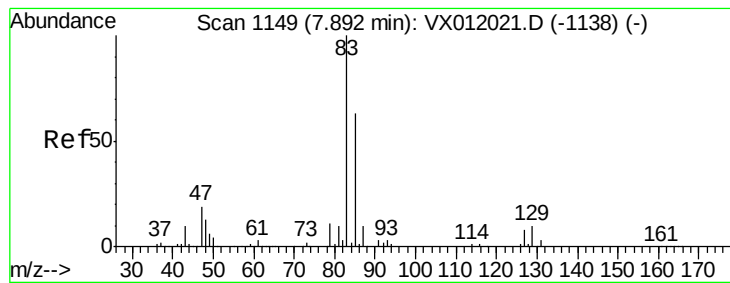
sam
 9/4/2019 4:45:53 PM



#46
 Dibromomethane
 Concen: 188.678 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion: 93 Resp: 156304
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.2 99.2
 174 88.4 110.2 165.4#





#47

Bromodichloromethane

Concen: 187.172 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

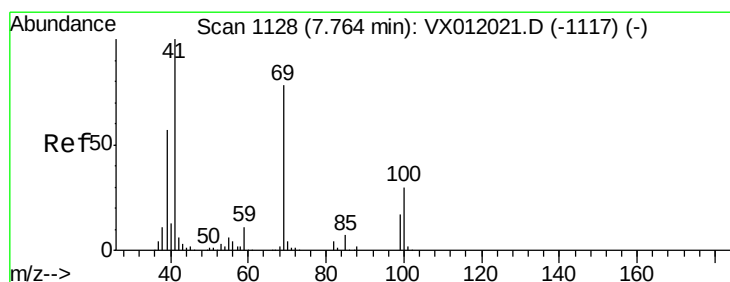
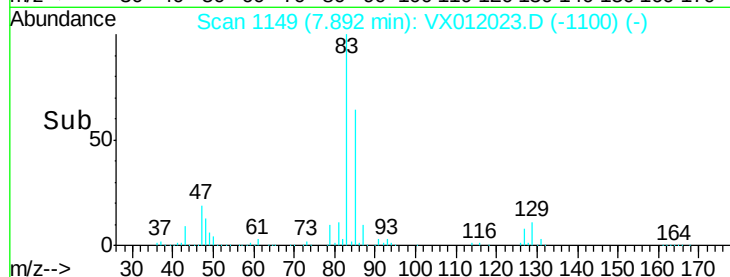
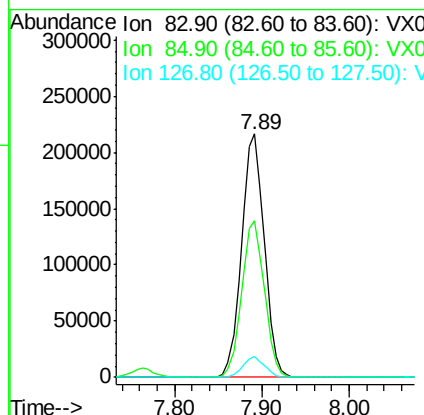
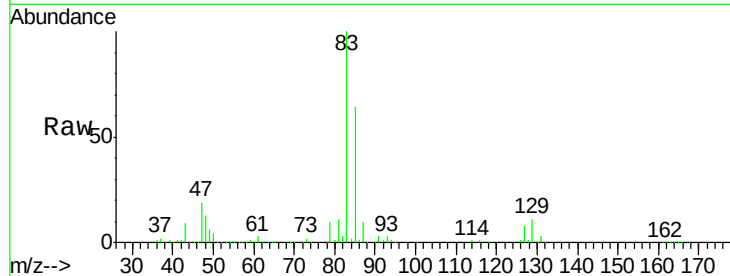
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	391425
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.3	75.5
127	8.3	8.1	12.1

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 214.702 ug/l

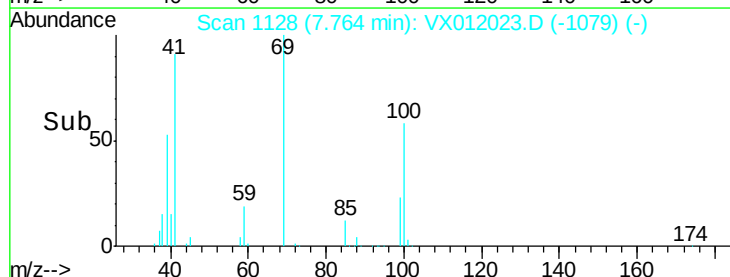
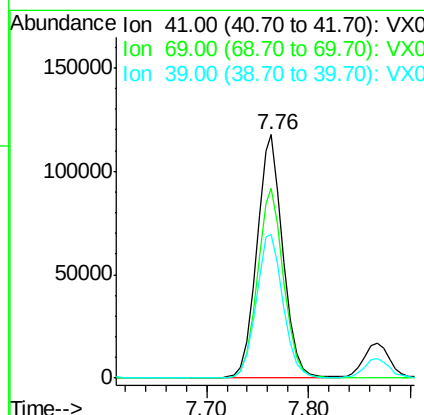
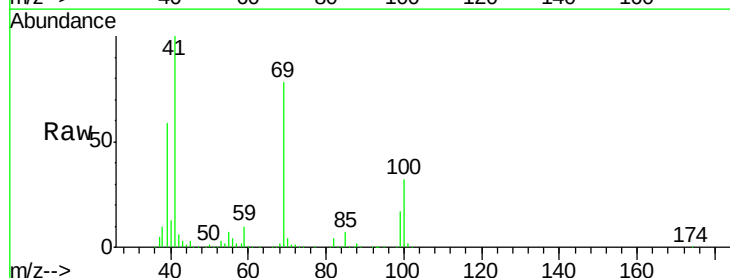
RT: 7.76 min Scan# 1128

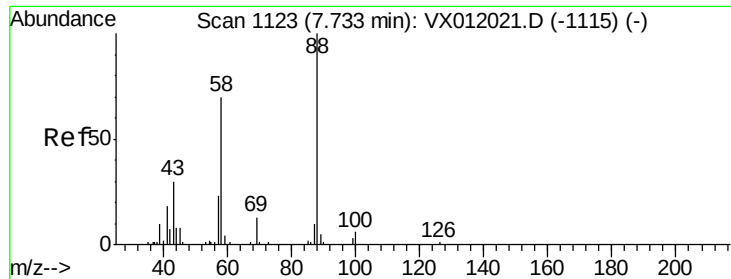
Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion:	41	Resp:	208321
Ion Ratio	Lower	Upper	
41	100		
69	78.7	66.3	99.5
39	60.9	48.1	72.1





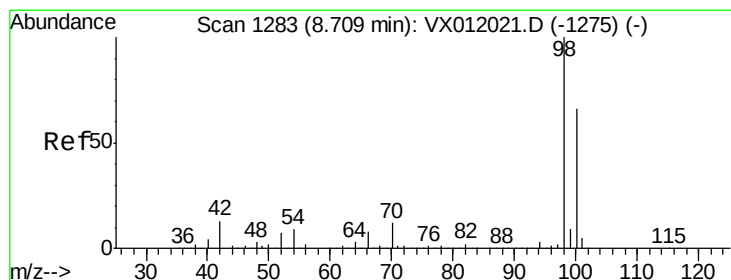
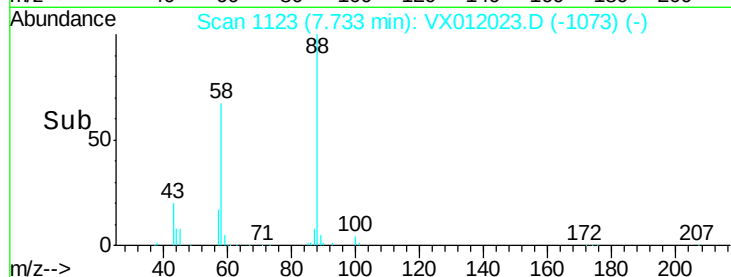
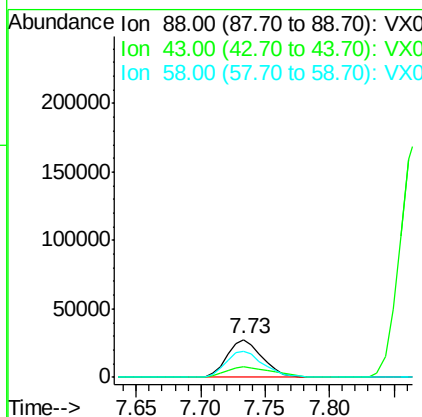
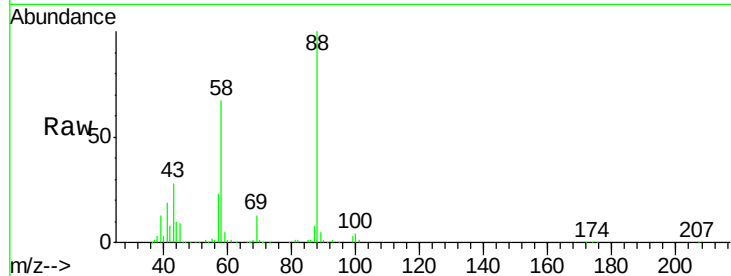
#49
1,4-Dioxane
Concen: 3893.972 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	53006
Ion Ratio	Lower	Upper	
88	100		
43	38.0	29.8	44.6
58	73.7	55.4	83.2

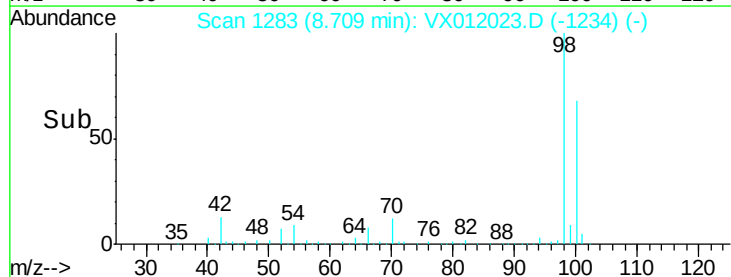
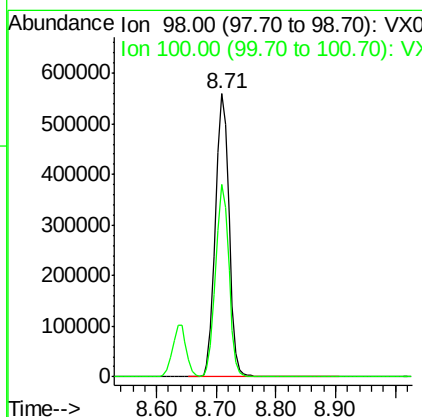
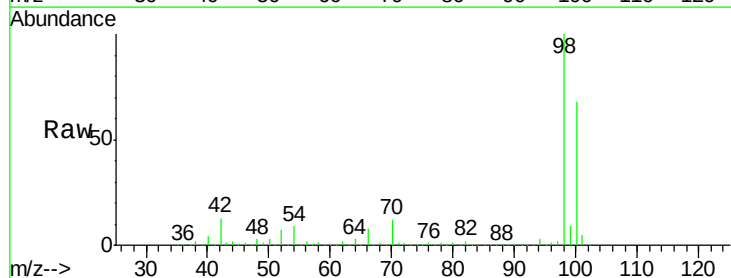
Manual Integrations
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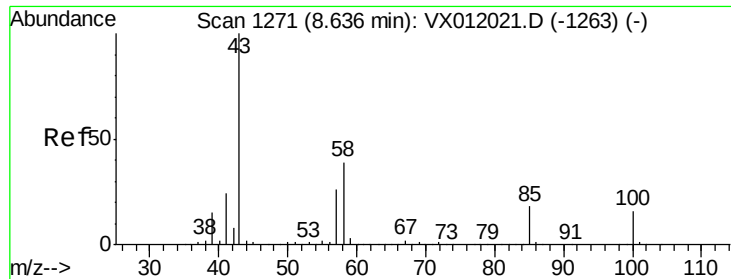
sam
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#50
Toluene-d8
Concen: 152.935 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	98	Resp	877813
Ion Ratio	Lower	Upper	
98	100		
100	66.9	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 1034.126 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1022666

Ion Ratio Lower Upper

43 100

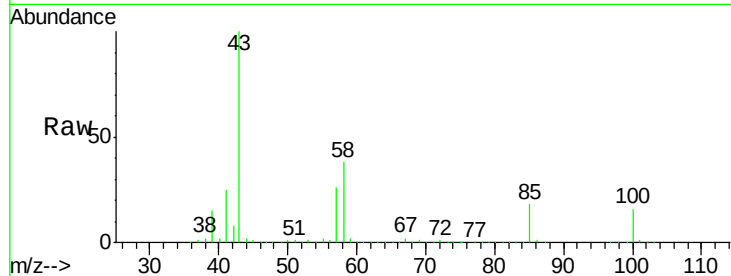
58 38.5 31.5 47.3

Manual Integrations

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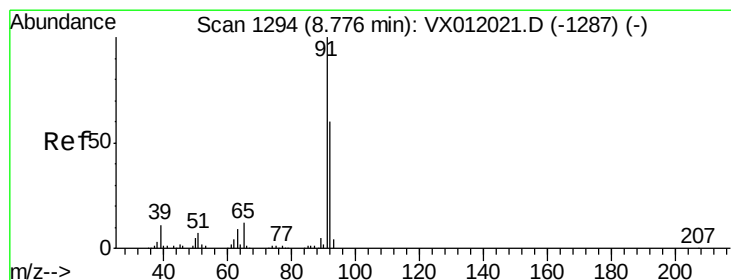
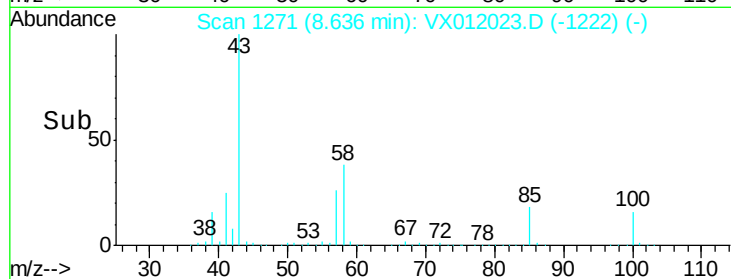
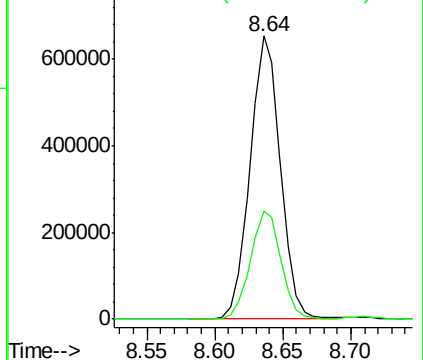
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 175.084 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012023.D

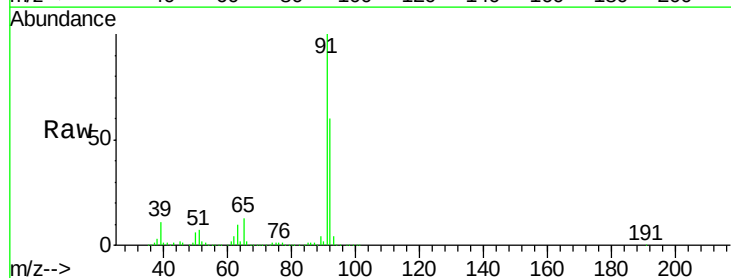
Acq: 03 Sep 2019 15:01

Tgt Ion: 92 Resp: 651537

Ion Ratio Lower Upper

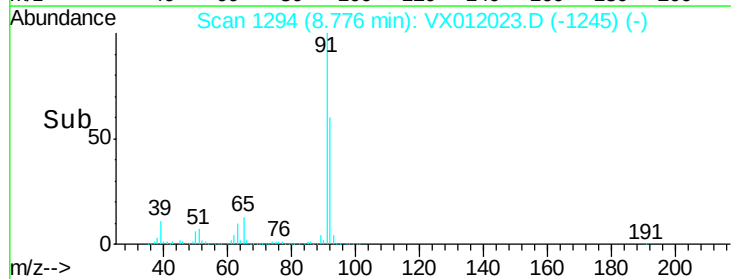
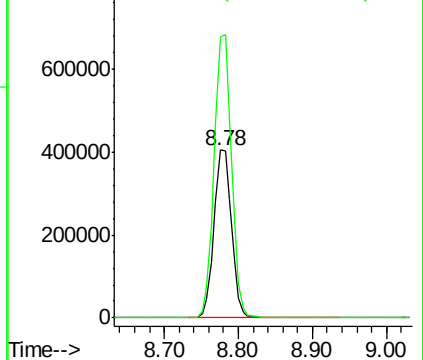
92 100

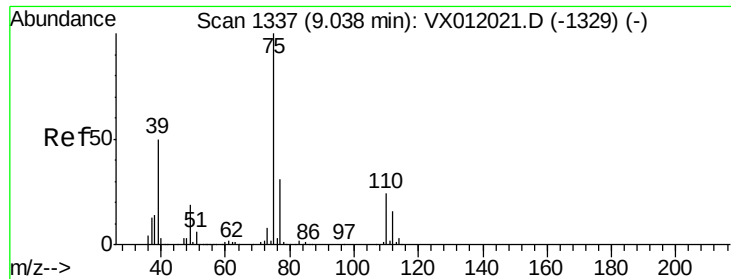
91 168.3 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





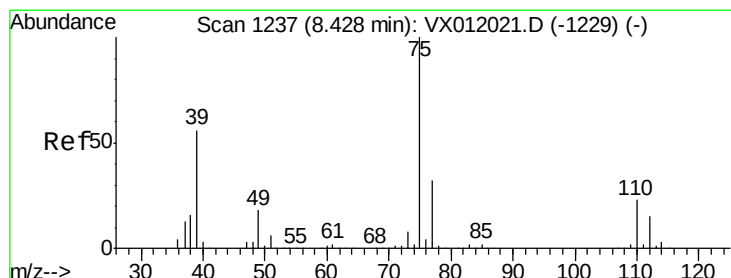
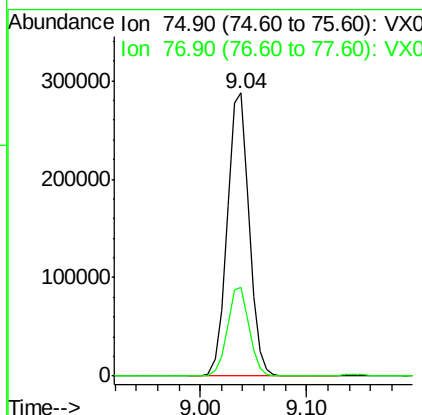
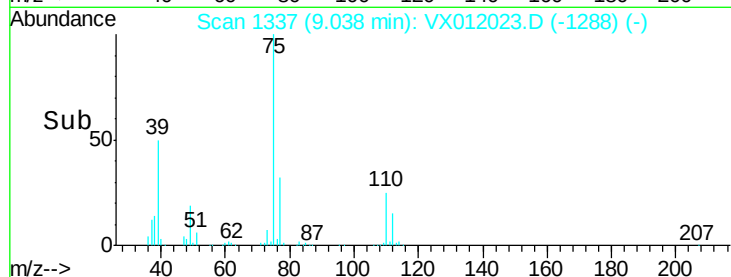
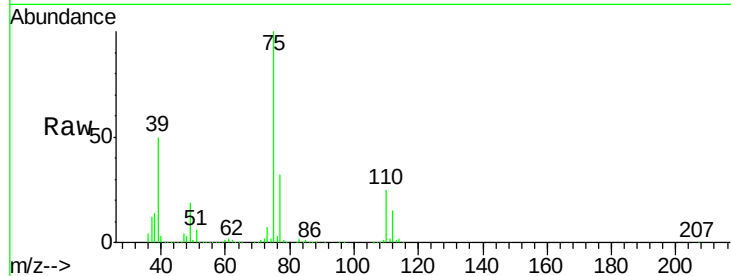
#53
t-1,3-Dichloropropene
Concen: 195.934 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 414775
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

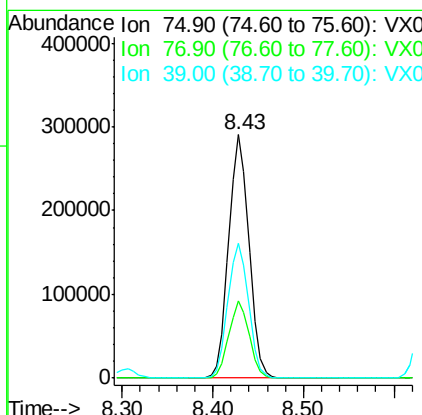
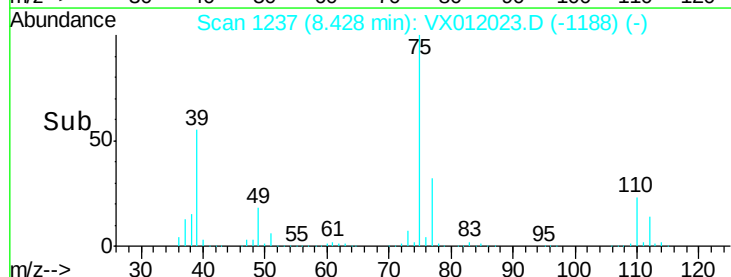
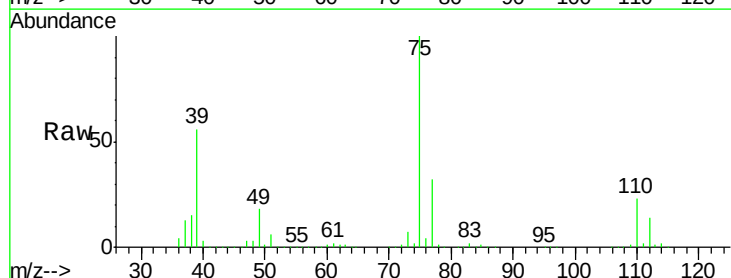
Manual Integrations
APPROVED

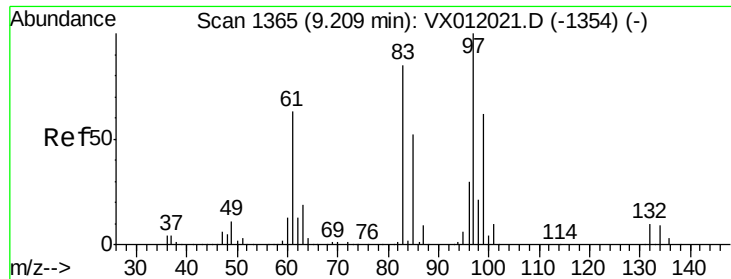
sam
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#54
cis-1,3-Dichloropropene
Concen: 190.058 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion: 75 Resp: 452863
Ion Ratio Lower Upper
75 100
77 31.7 25.5 38.3
39 55.4 43.0 64.4





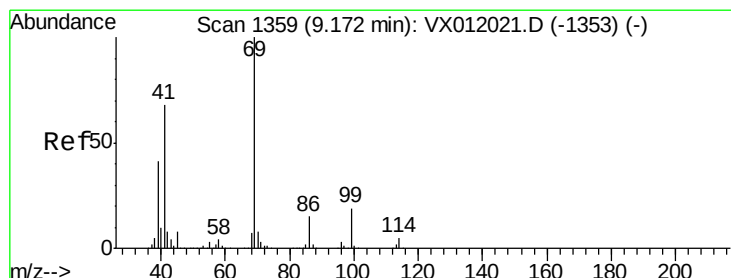
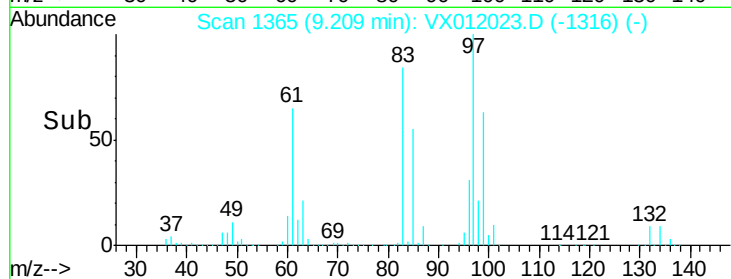
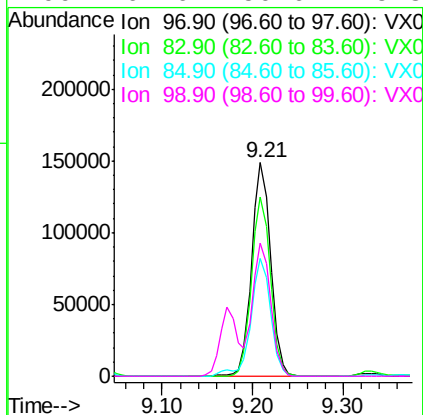
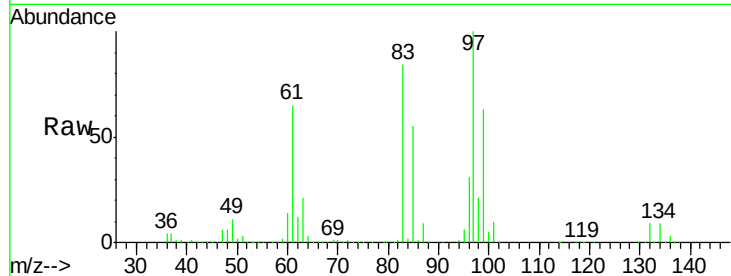
#55
 1,1,2-Trichloroethane
 Concen: 178.938 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:	97	Resp:	216402
Ion Ratio	Lower	Upper	
97	100		
83	84.1	66.0	99.0
85	55.2	41.0	61.6
99	62.6	50.6	75.8

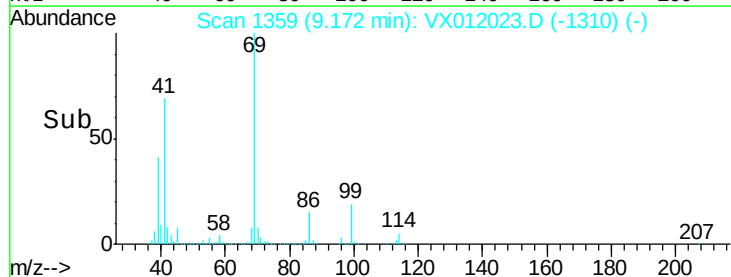
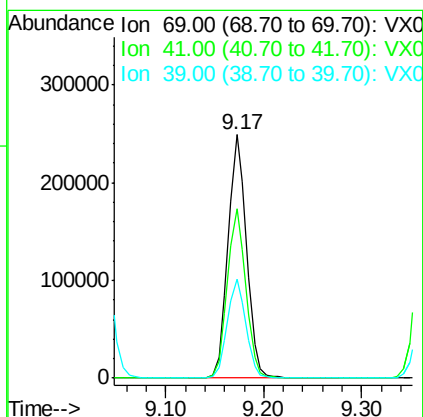
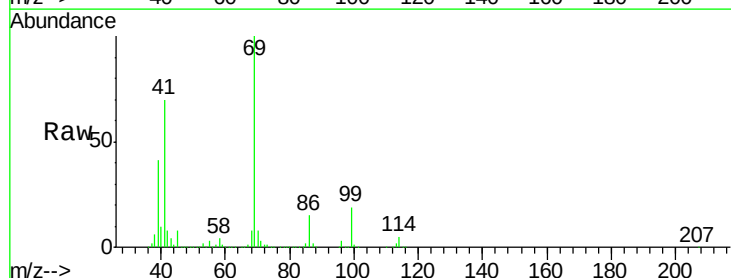
Manual Integrations
 APPROVED

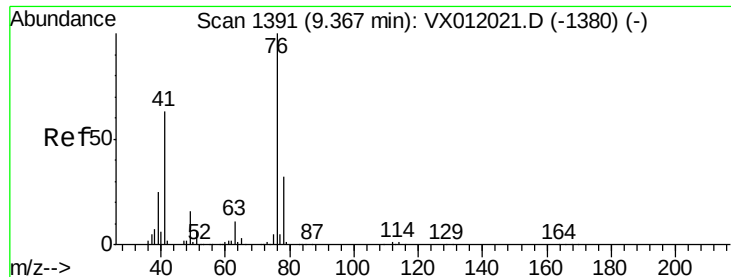
sam
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#56
 Ethyl methacrylate
 Concen: 204.169 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion:	69	Resp:	327906
Ion Ratio	Lower	Upper	
69	100		
41	69.6	53.9	80.9
39	40.7	31.1	46.7





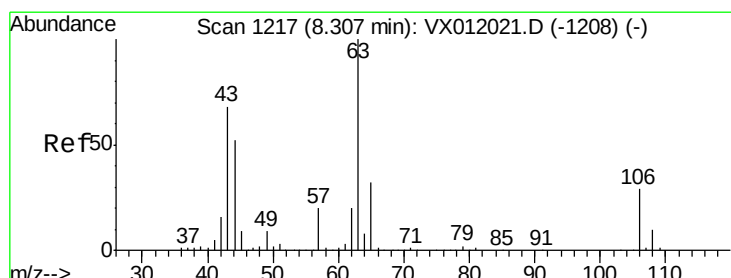
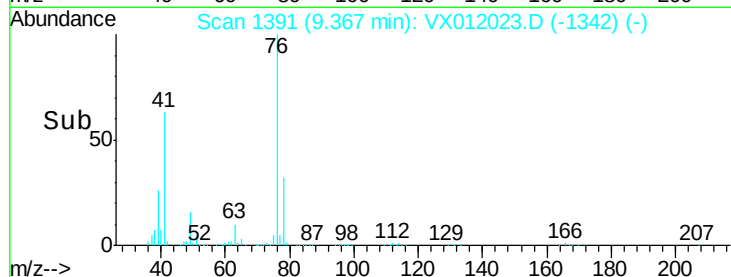
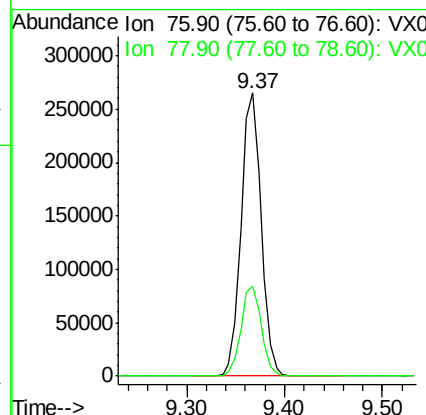
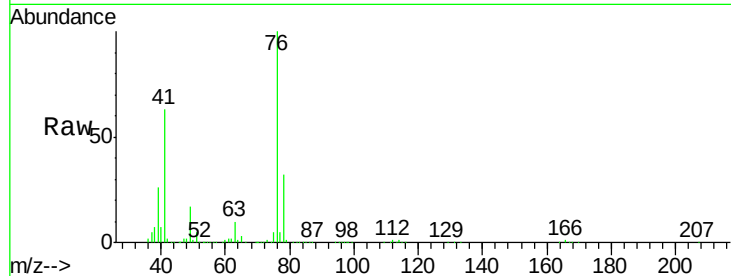
#57
 1,3-Dichloropropane
 Concen: 190.069 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

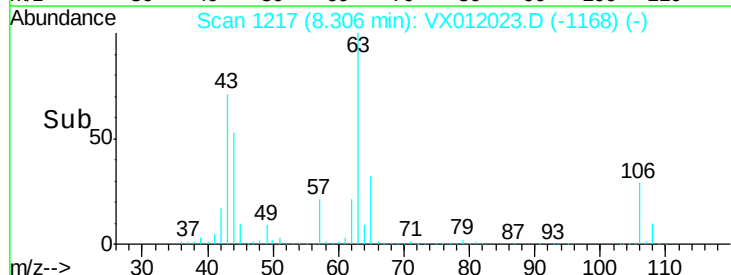
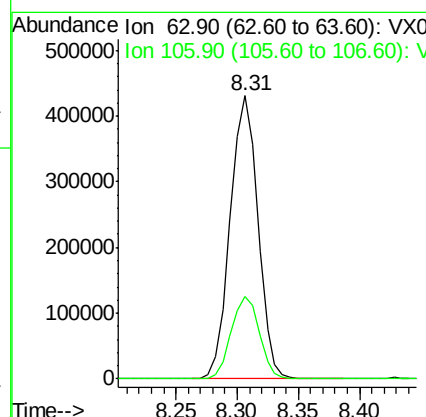
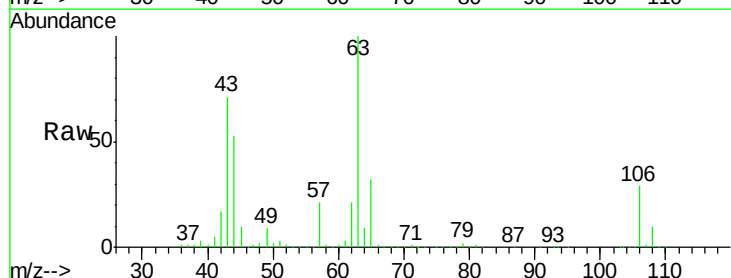
Manual Integrations
 APPROVED

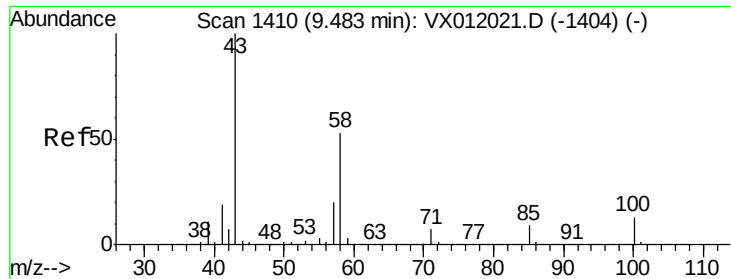
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 923.877 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	26.5	39.7





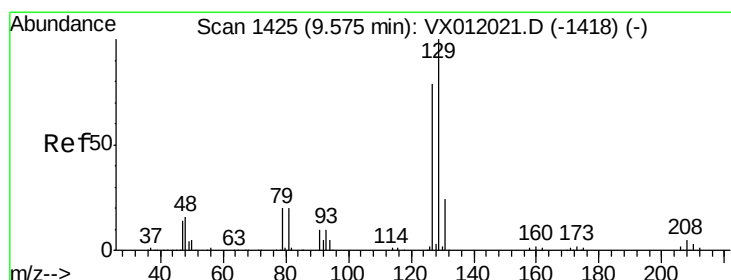
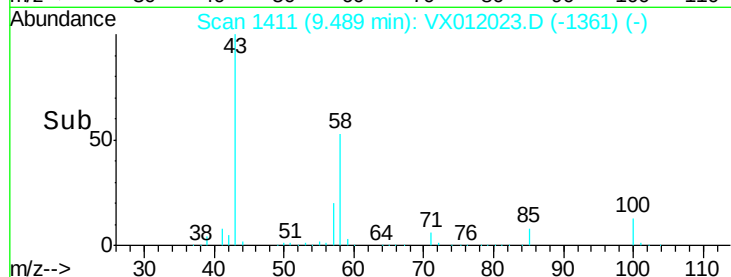
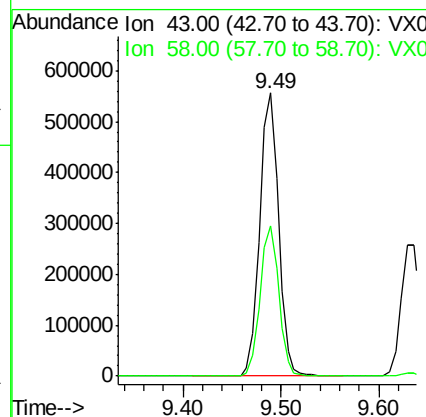
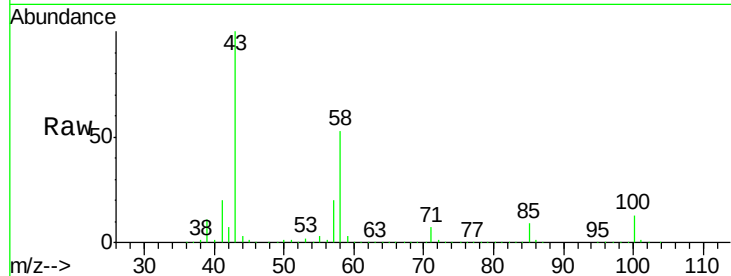
#59
2-Hexanone
Concen: 1060.165 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 746348
Ion Ratio Lower Upper
43 100
58 53.1 27.2 81.6

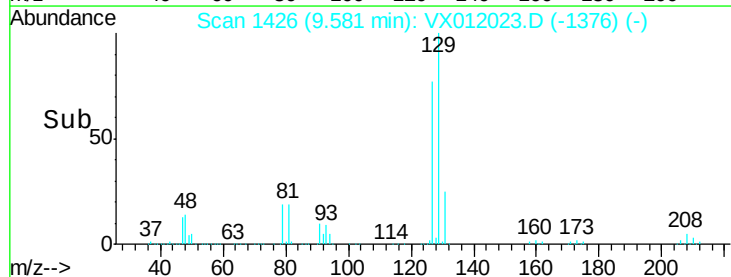
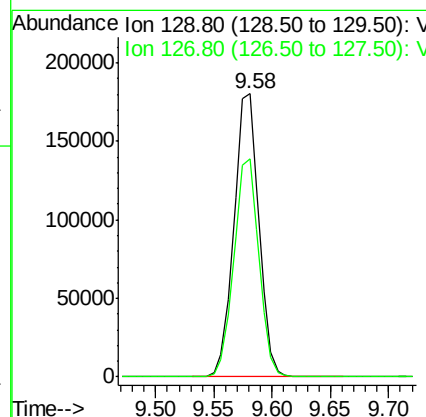
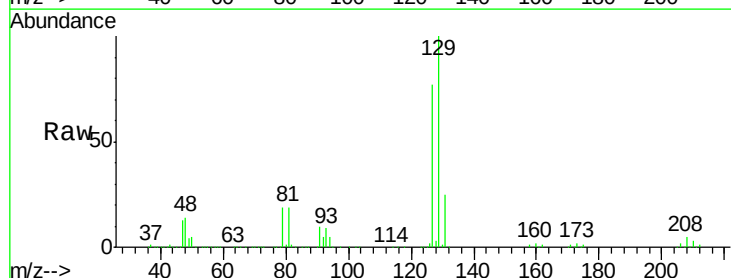
Manual Integrations
APPROVED

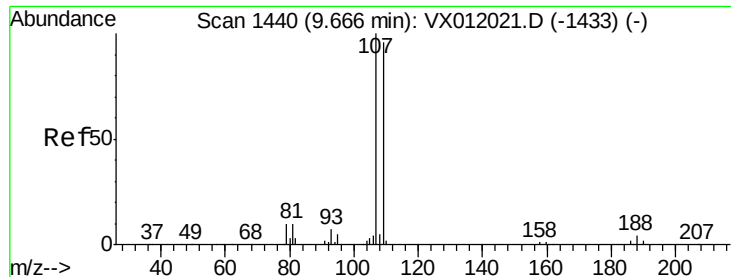
sam
9/4/2019 4:45:53 PM



#60
Dibromochloromethane
Concen: 159.937 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion: 129 Resp: 268882
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 179.749 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 216522

Ion Ratio Lower Upper

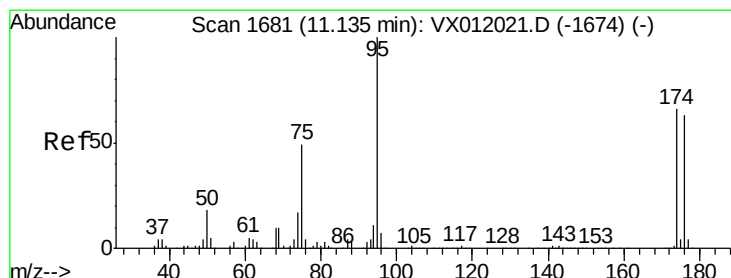
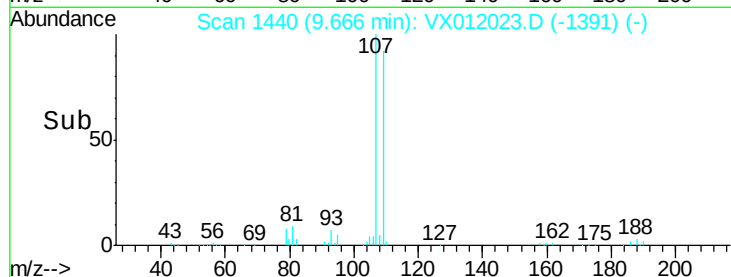
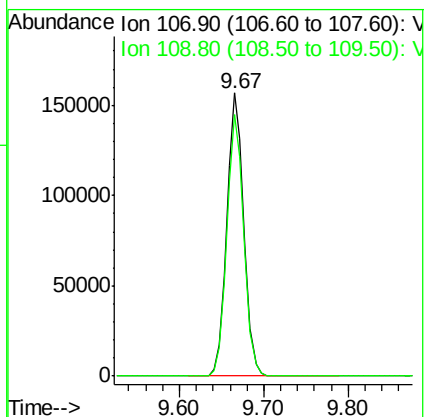
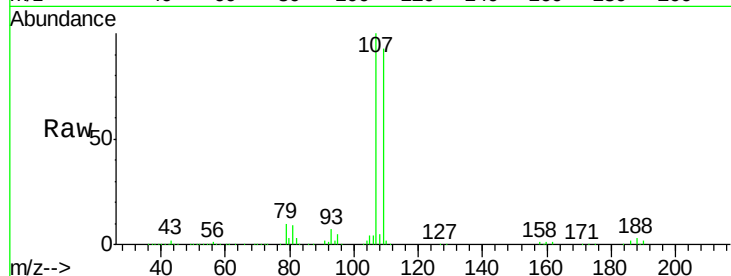
107 100

109 93.0 76.9 115.3

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 153.111 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

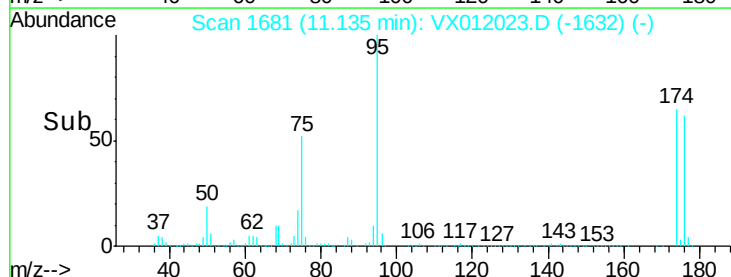
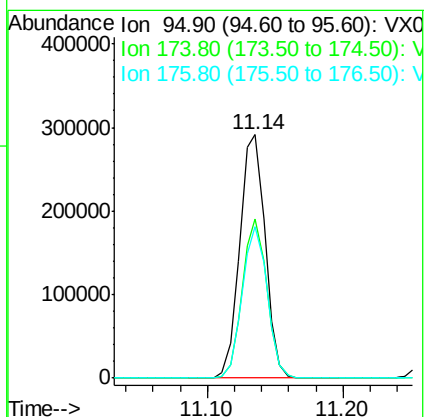
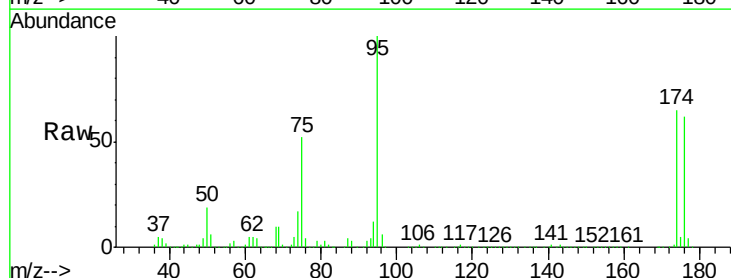
Tgt Ion: 95 Resp: 380041

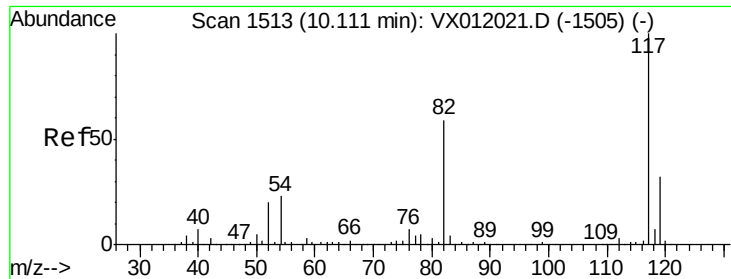
Ion Ratio Lower Upper

95 100

174 63.2 0.0 205.4

176 61.2 0.0 201.8





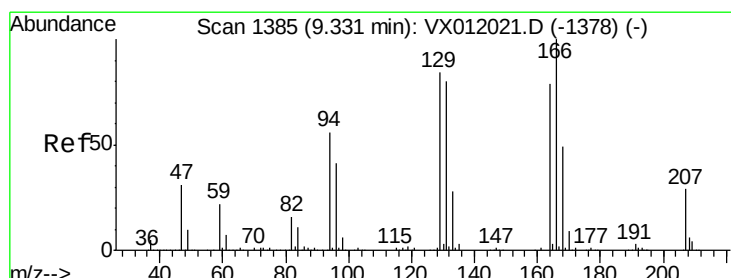
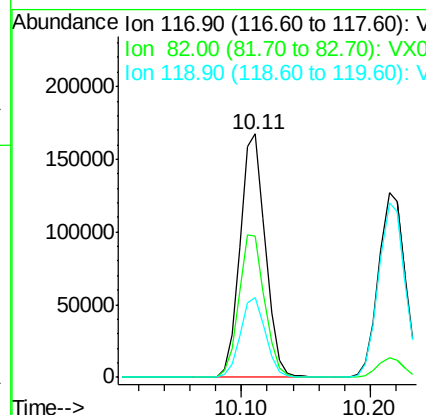
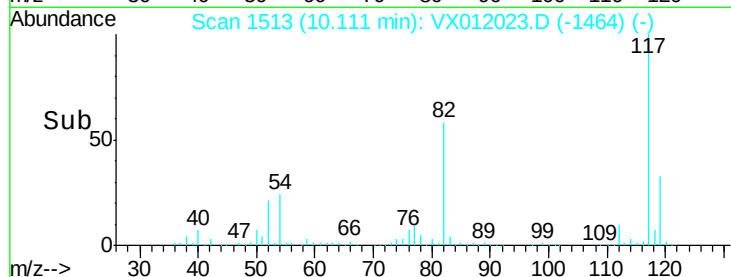
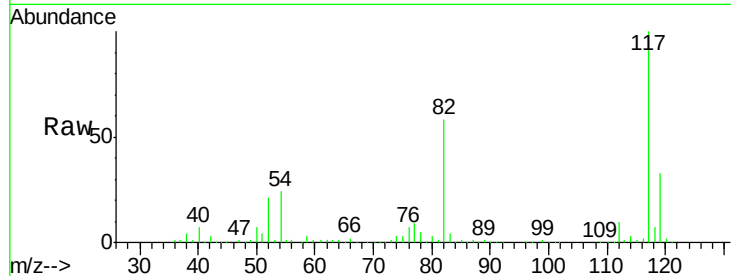
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	227950		
82	58.0	39.4	59.0	
119	32.7	26.1	39.1	

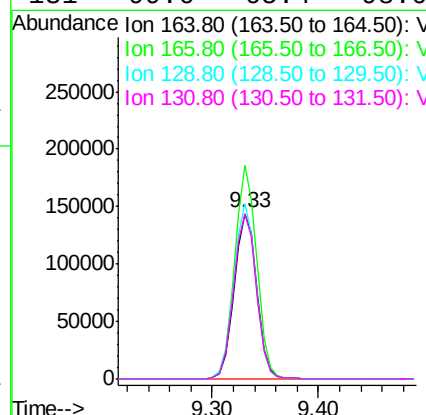
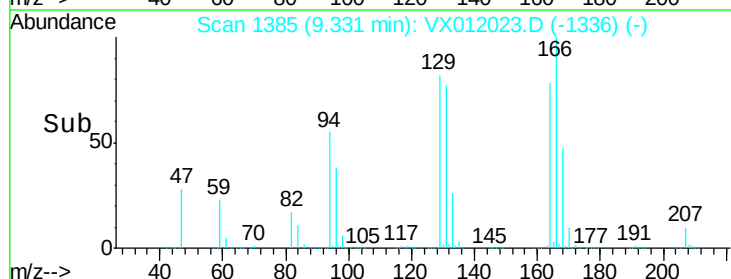
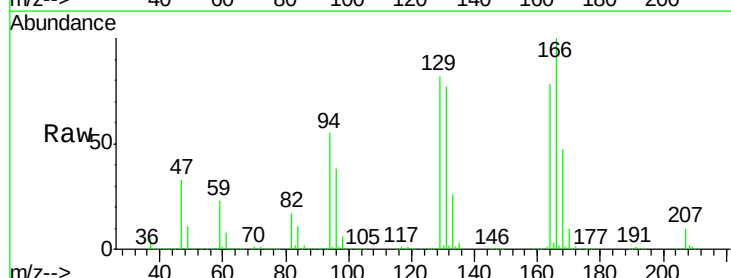
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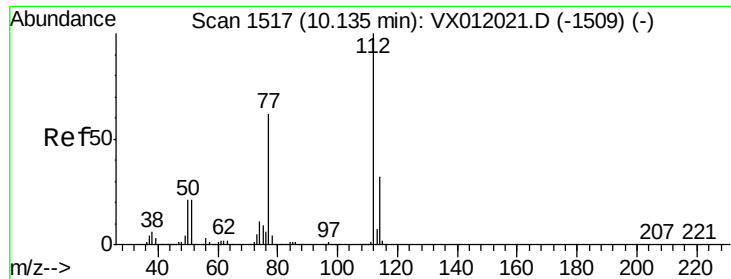
sam
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#64
Tetrachloroethene
Concen: 114.430 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	214675		
166	128.8	104.3	156.5	
129	105.7	68.3	102.5	
131	99.6	65.4	98.0	





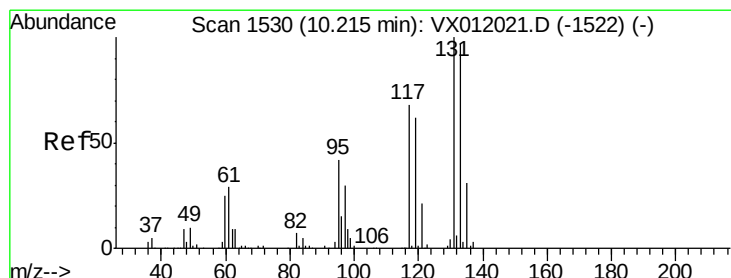
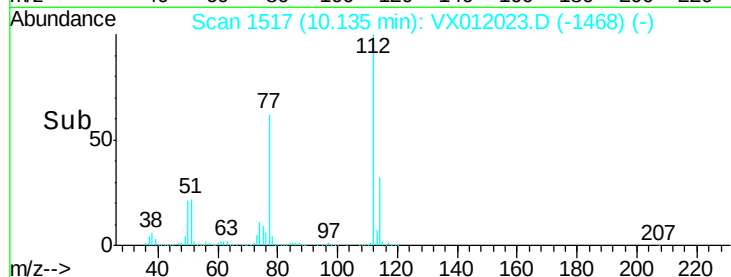
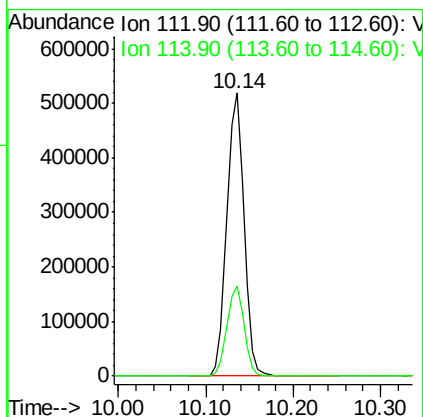
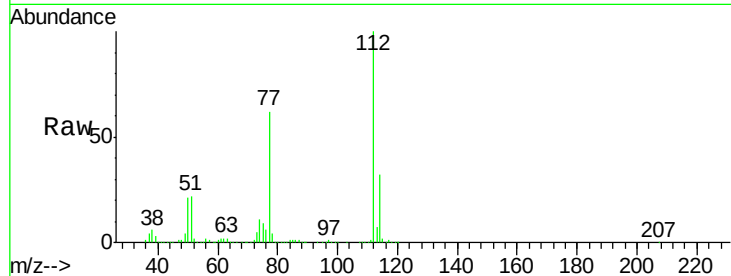
#65
Chlorobenzene
Concen: 164.508 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.2	39.2

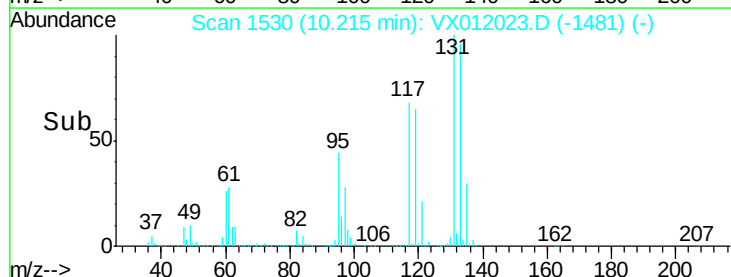
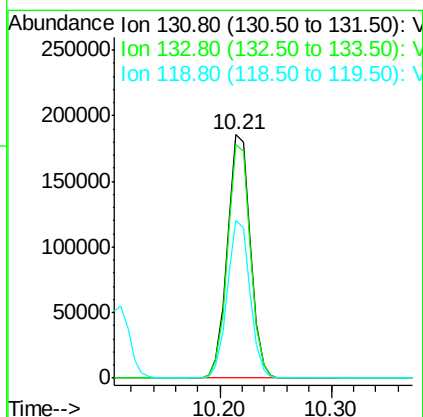
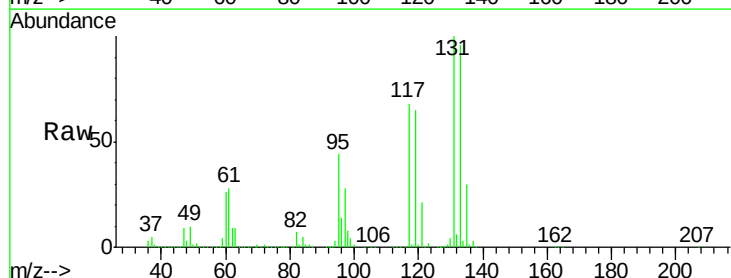
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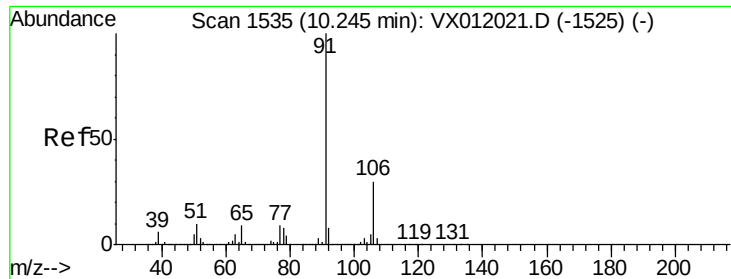
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 153.037 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.4	145.0
119	64.1	30.5	91.5





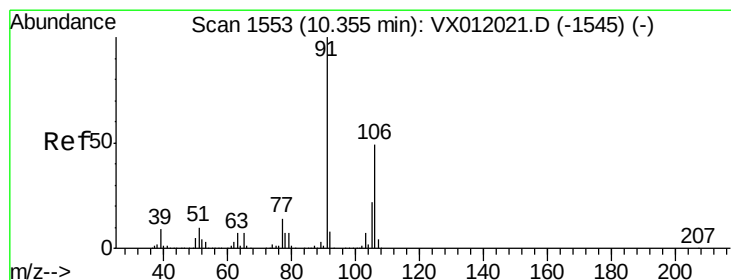
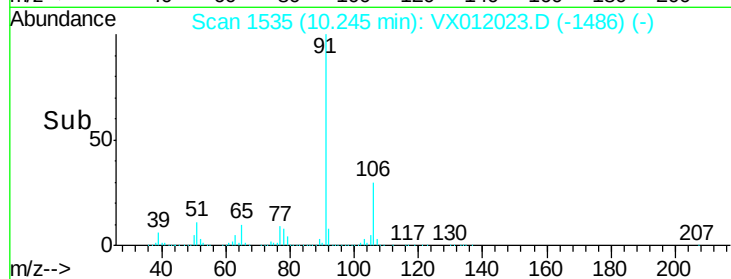
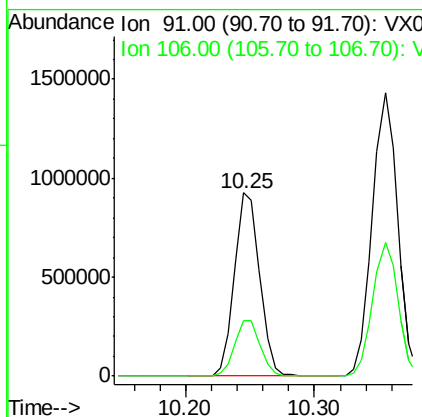
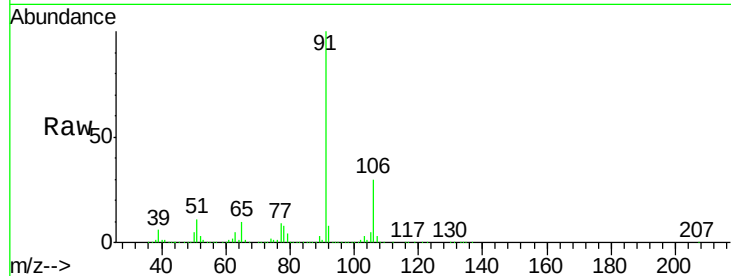
#67
Ethyl Benzene
Concen: 175.169 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1273428
Ion Ratio Lower Upper
91 100
106 30.4 25.8 38.8

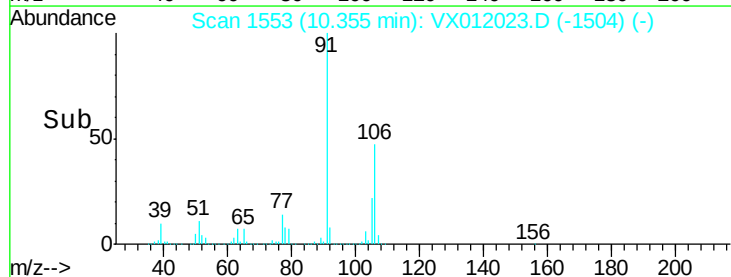
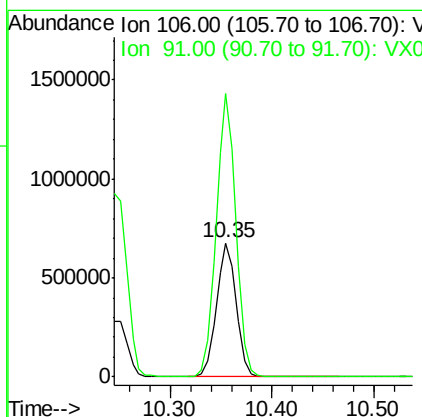
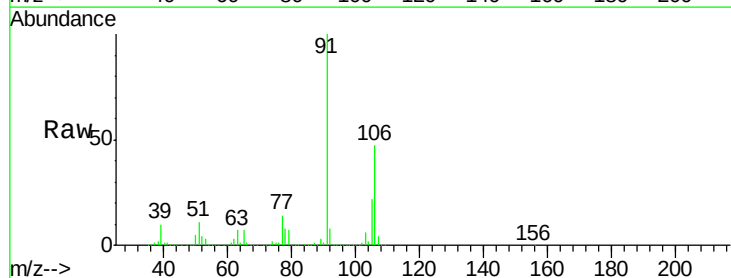
Manual Integrations
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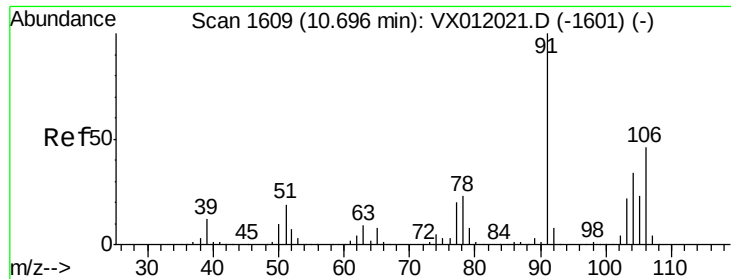
sam
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#68
m/p-Xylenes
Concen: 321.732 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion: 106 Resp: 918420
Ion Ratio Lower Upper
106 100
91 210.8 157.5 236.3





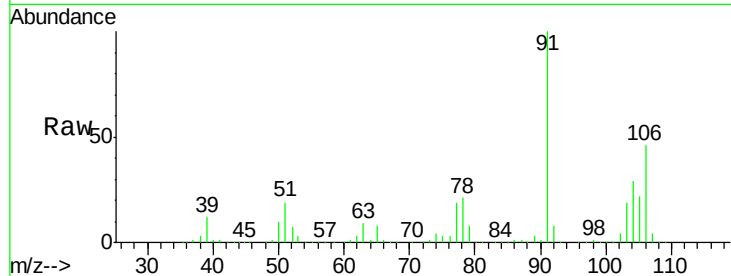
#69
o-Xylene
Concen: 165.860 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

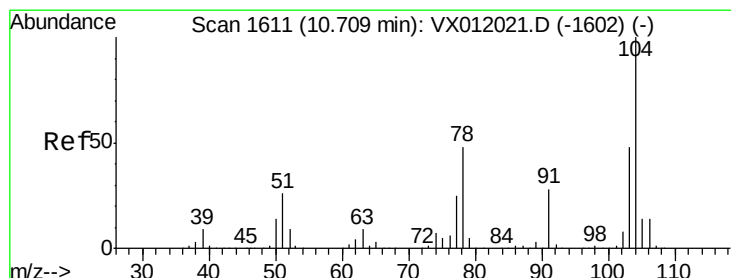
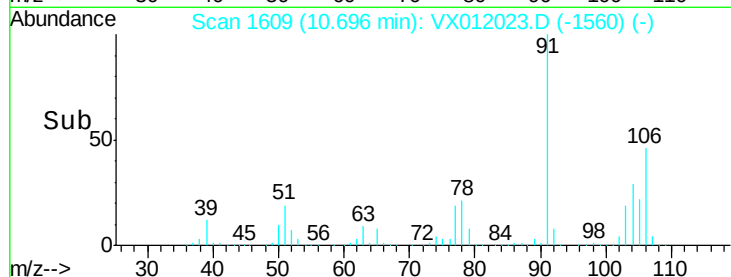
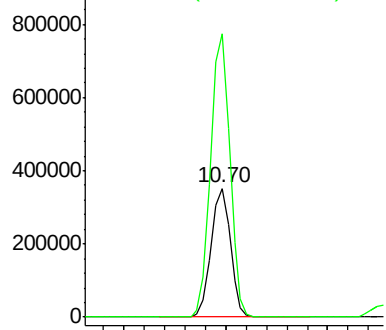
Tot Ion:106 Resp: 459284
Ion Ratio Lower Upper
106 100
91 218.6 103.5 310.3

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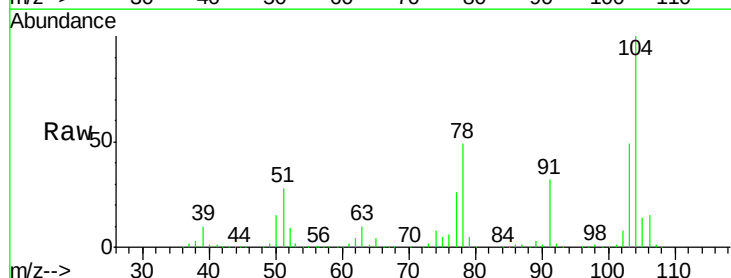


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

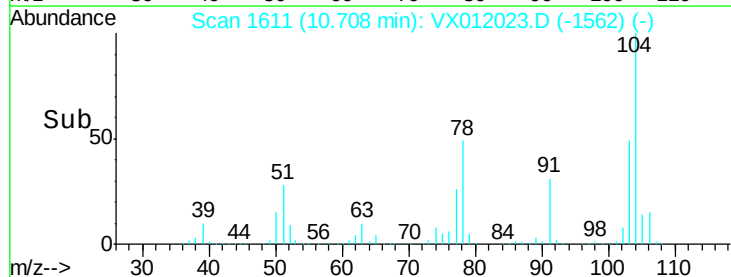
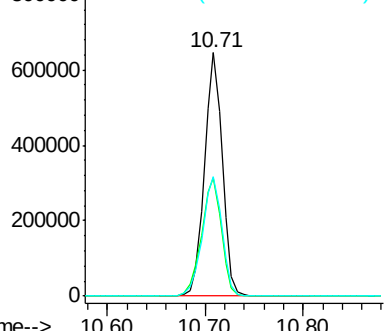


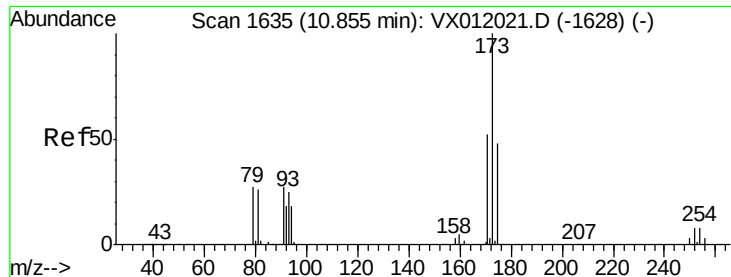
#70
Styrene
Concen: 171.583 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion:104 Resp: 815212
Ion Ratio Lower Upper
104 100
78 54.5 39.1 58.7
103 53.9 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 126.571 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

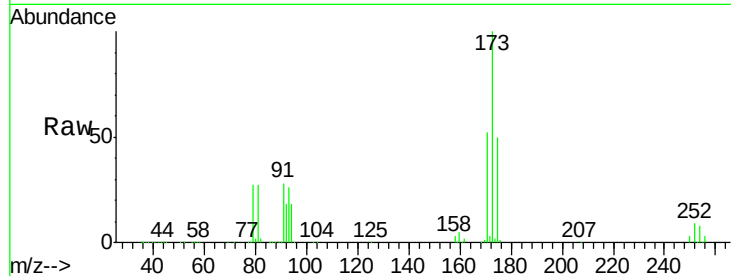
ClientSampleId :

VSTDIC150

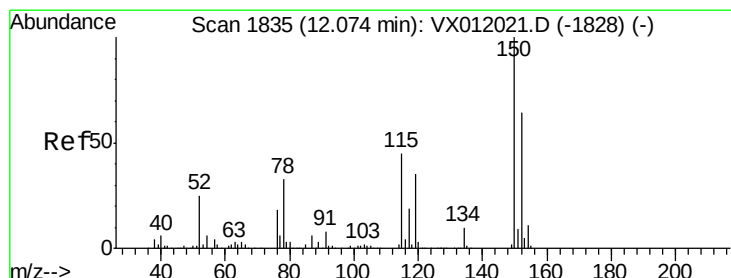
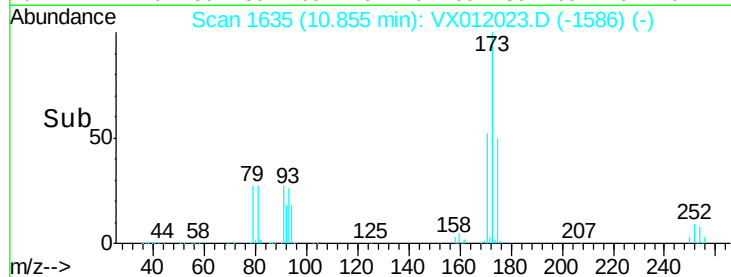
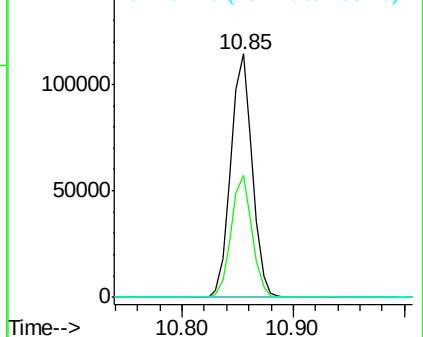
Tot Ion:	173	Resp:	151648
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.9	74.7
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

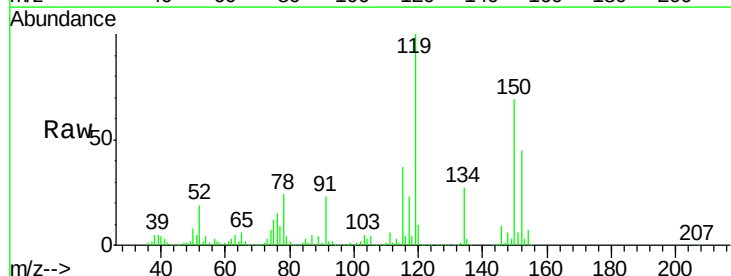
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

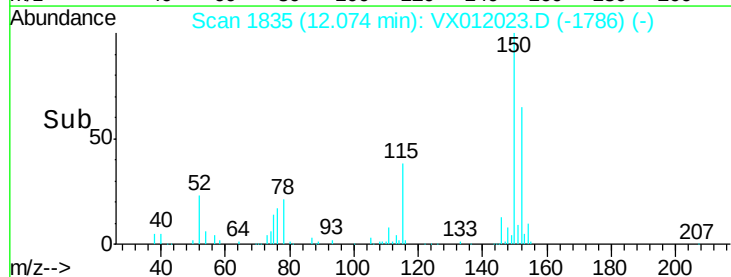
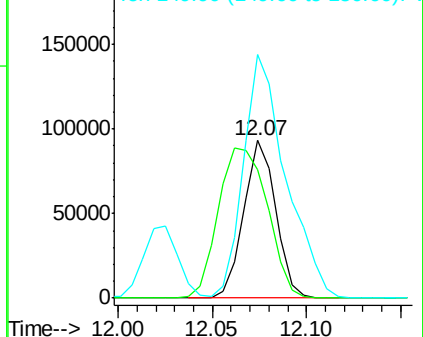
Lab File: VX012023.D

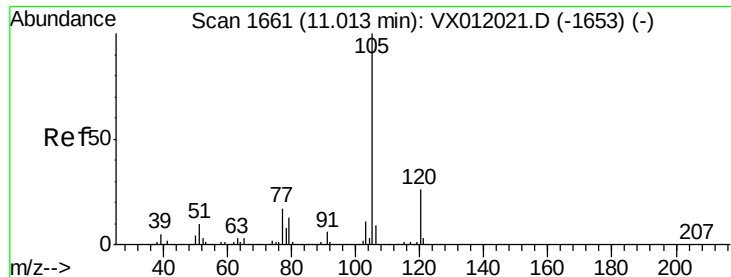
Acq: 03 Sep 2019 15:01

Tgt Ion:	152	Resp:	109944
Ion Ratio	Lower	Upper	
152	100		
115	145.3	36.4	109.3#
150	204.4	0.0	341.2



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





#73

Isopropylbenzene

Concen: 199.027 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1221095

Ion Ratio Lower Upper

105 100

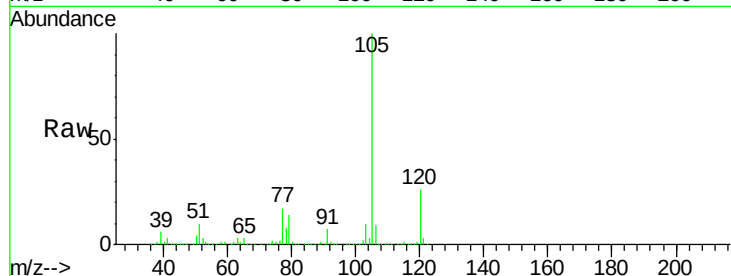
120 26.1 13.9 41.6

Manual Integrations

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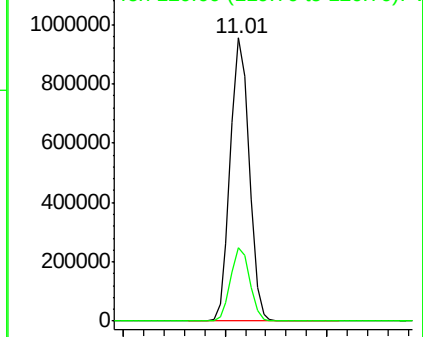
sam

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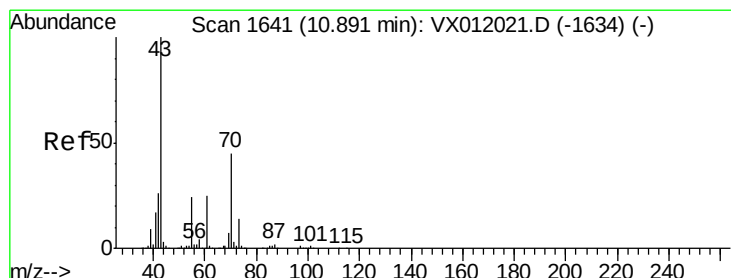
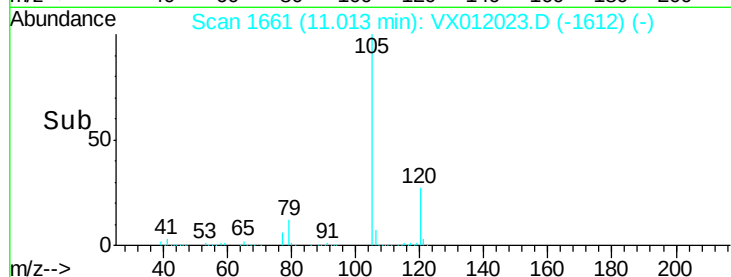


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 261.119 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion: 43 Resp: 399480

Ion Ratio Lower Upper

43 100

70 41.6 34.4 51.6

55 23.1 18.5 27.7

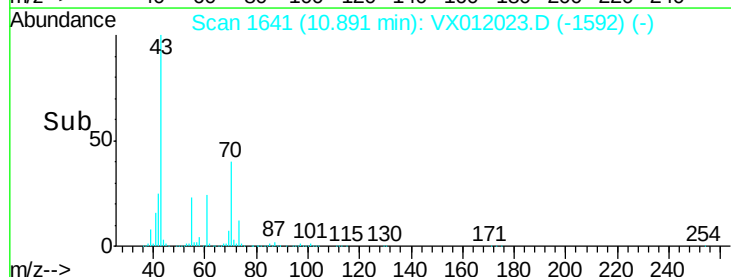
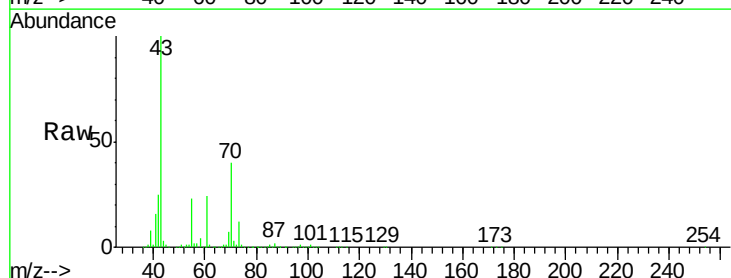
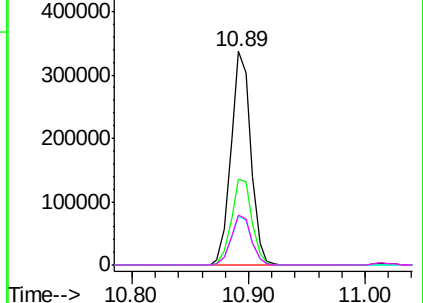
61 23.9 19.5 29.3

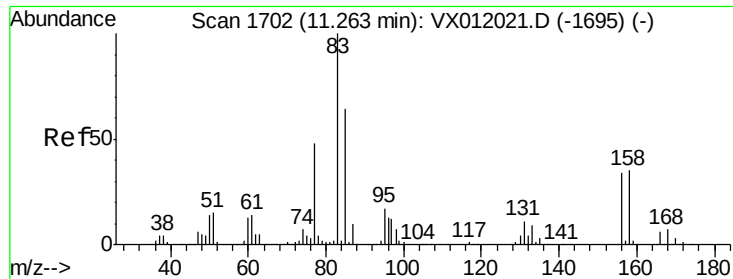
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 239.058 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 268513

Ion Ratio Lower Upper

83 100

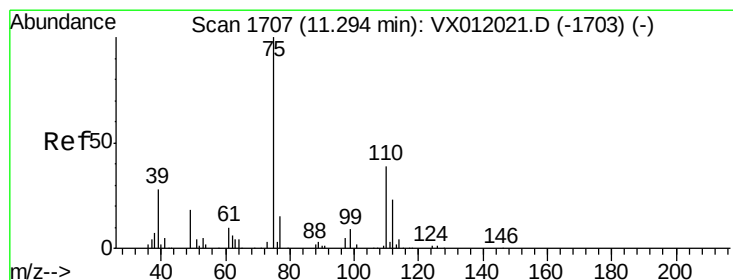
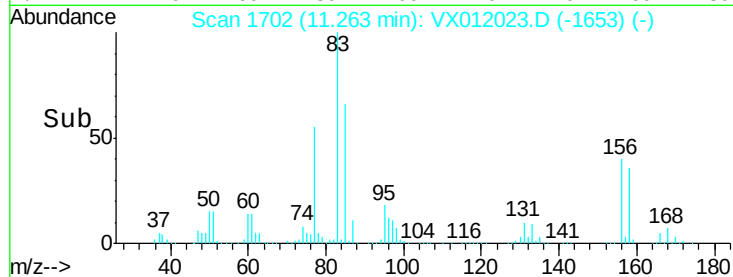
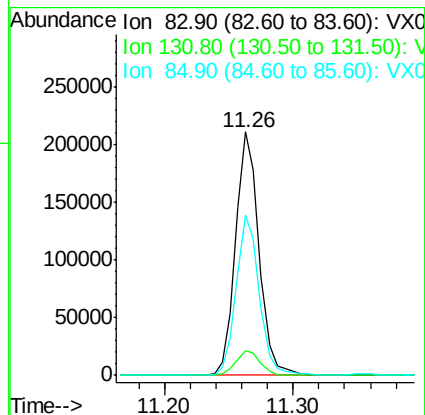
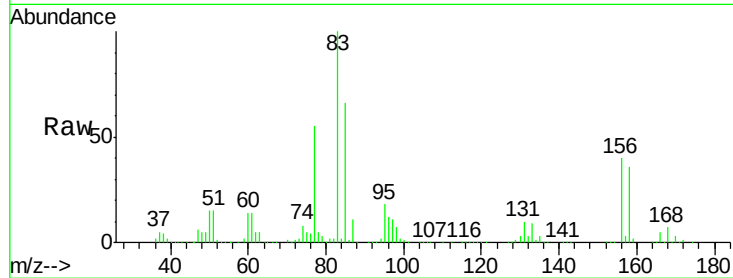
131 10.6 6.3 19.1

85 64.8 32.5 97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 274.754 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012023.D

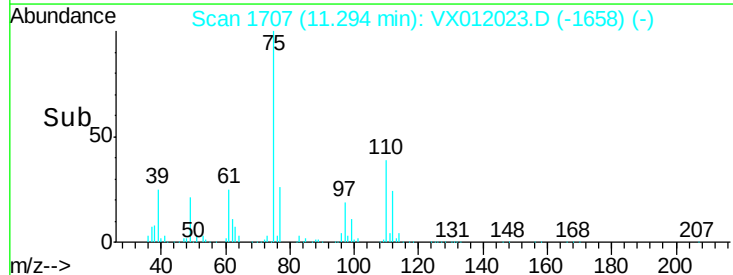
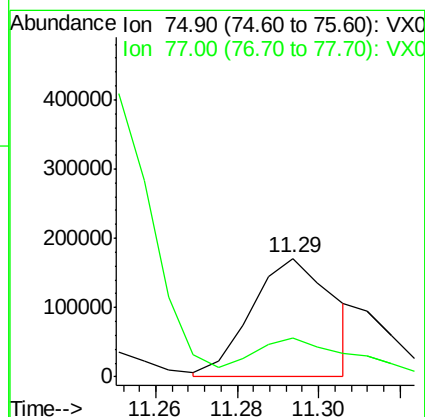
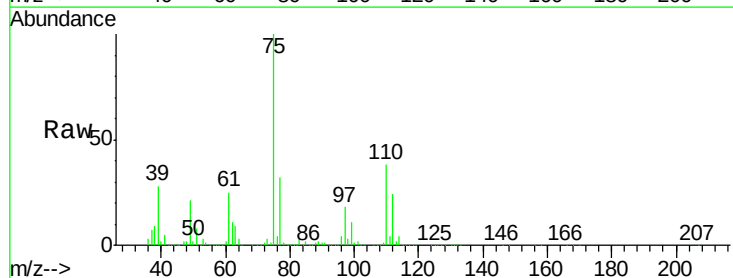
Acq: 03 Sep 2019 15:01

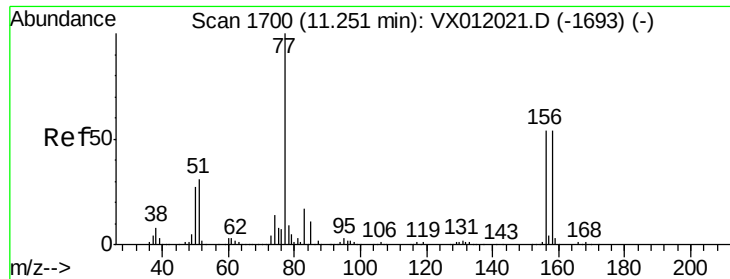
Tgt Ion: 75 Resp: 239117

Ion Ratio Lower Upper

75 100

77 40.4 23.5 70.5





#77

Bromobenzene

Concen: 157.456 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

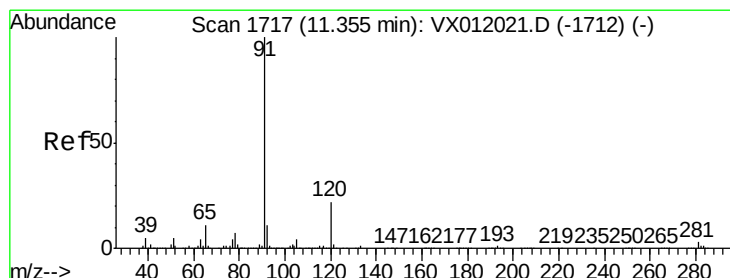
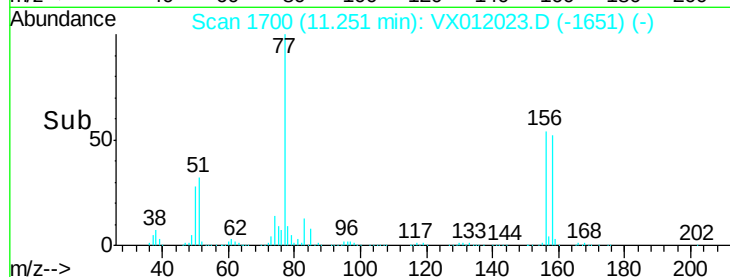
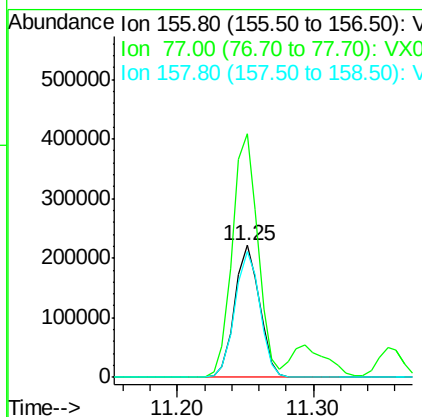
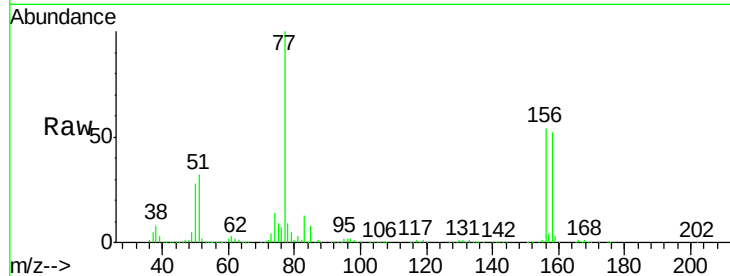
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	282458
Ion Ratio	Lower	Upper	
156	100		
77	189.2	63.4	190.2
158	96.2	48.9	146.6

Manual Integrations
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sam
9/4/2019 4:45:53 PM



#78

n-propylbenzene

Concen: 212.873 ug/l

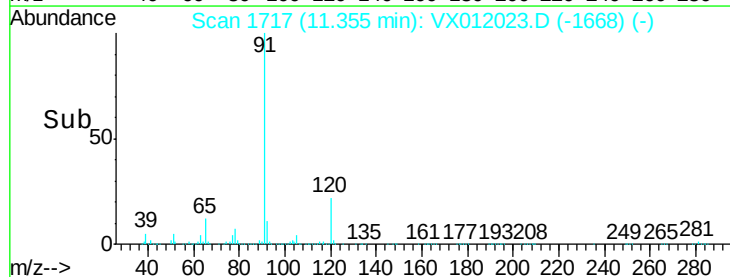
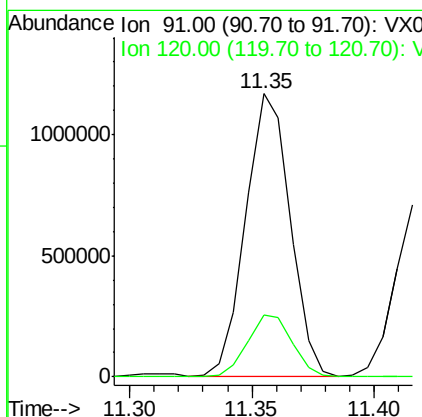
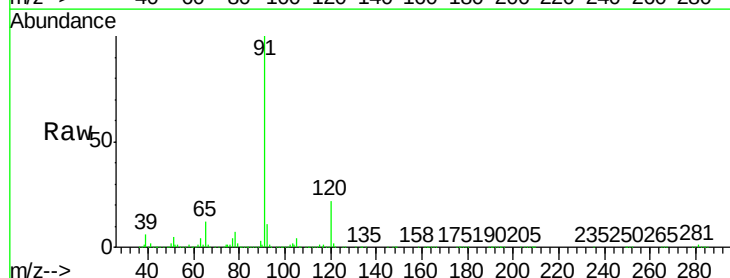
RT: 11.35 min Scan# 1717

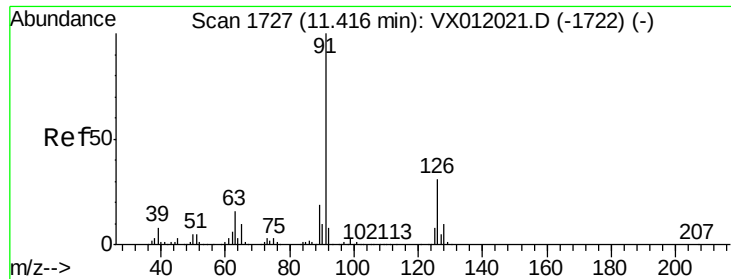
Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Tgt Ion:	91	Resp:	1469706
Ion Ratio	Lower	Upper	
91	100		
120	22.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 219.701 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 898006

Ion Ratio Lower Upper

91 100

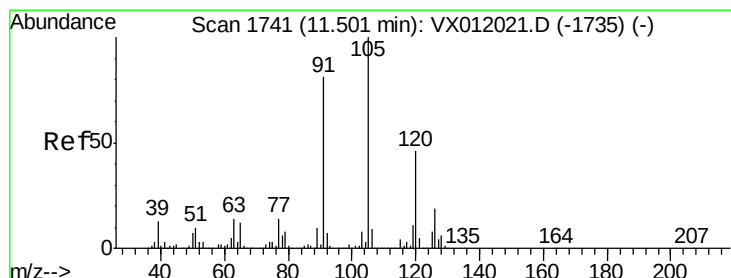
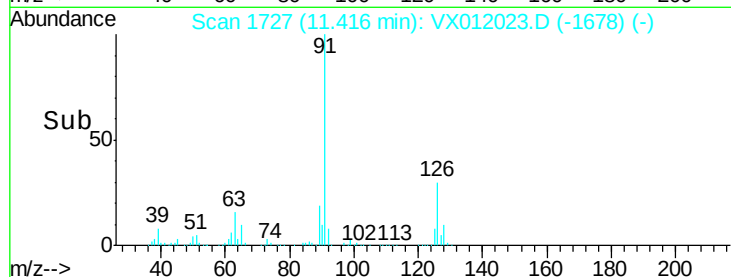
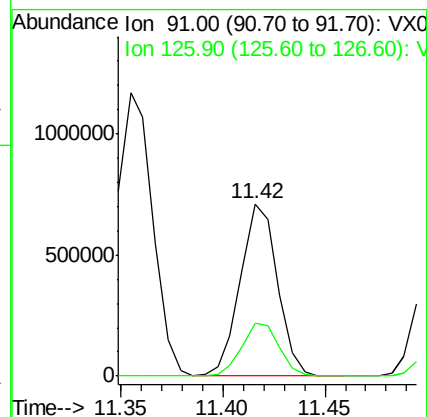
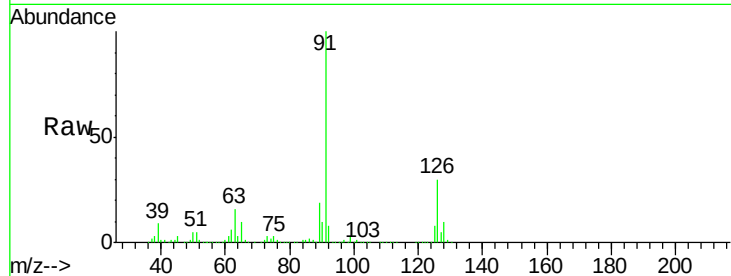
126 31.3 18.6 55.8

Manual Integrations

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sam

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#80

1,3,5-Trimethylbenzene

Concen: 199.252 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012023.D

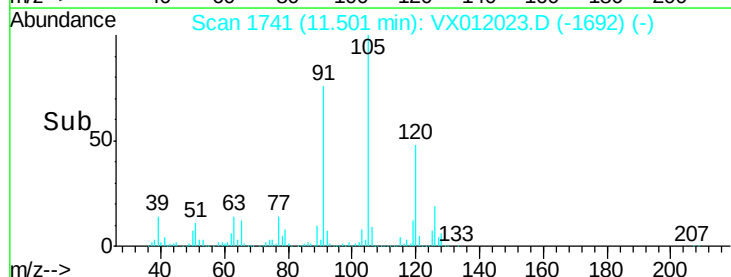
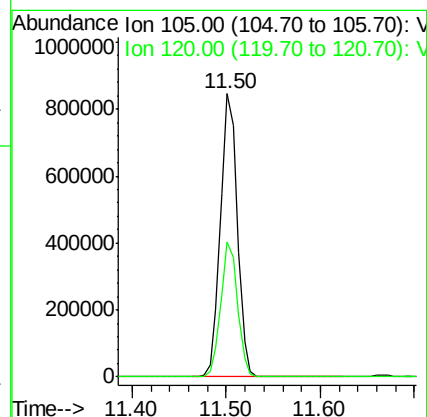
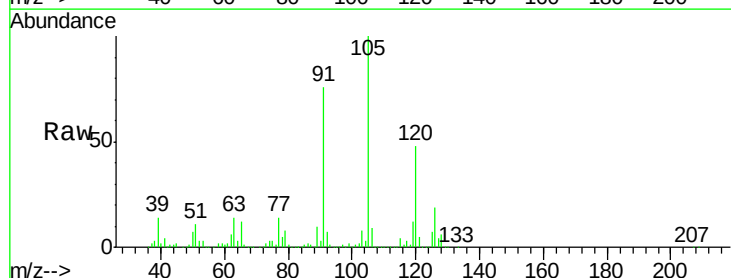
Acq: 03 Sep 2019 15:01

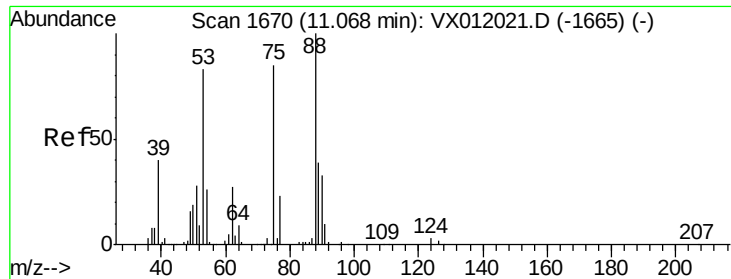
Tgt Ion: 105 Resp: 1054548

Ion Ratio Lower Upper

105 100

120 47.2 25.8 77.3





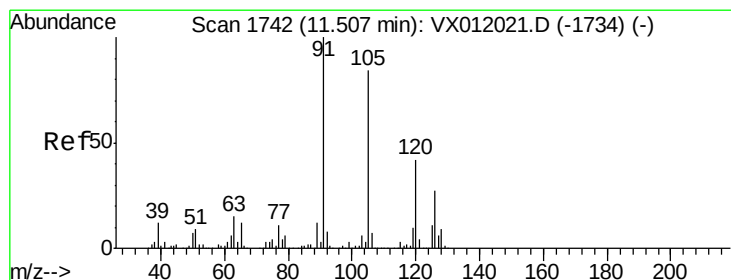
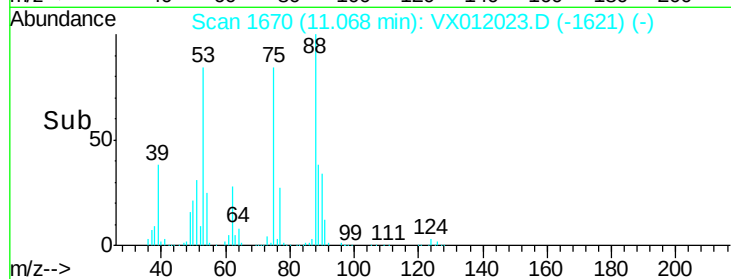
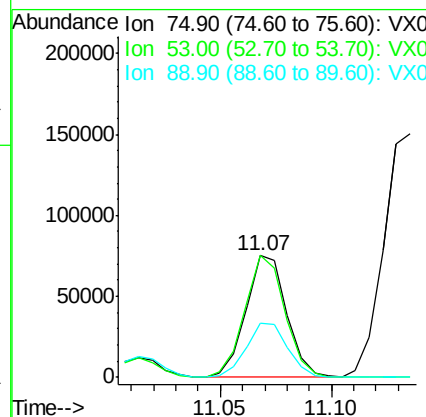
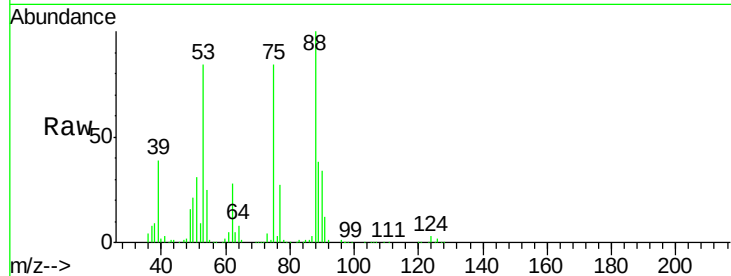
#81
trans-1,4-Dichloro-2-butene
Concen: 257.808 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.2	78.6	117.8
89	46.2	38.8	58.2

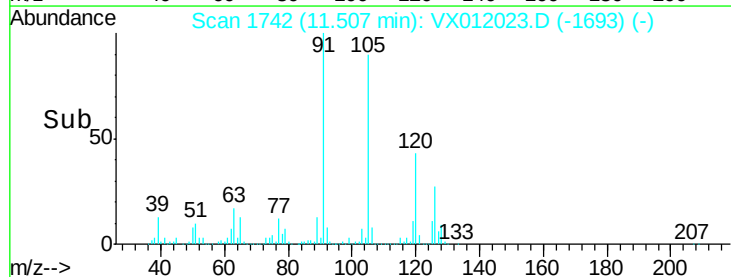
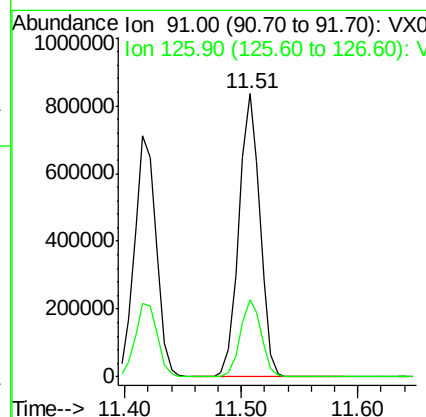
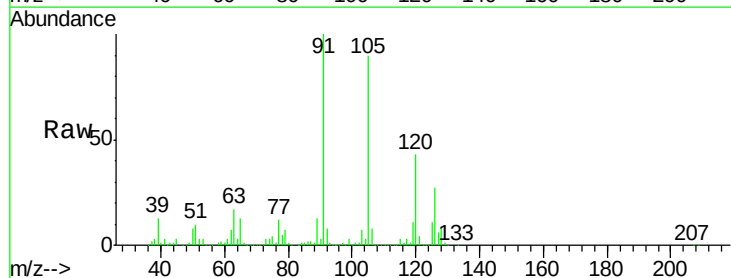
Manual Integrations
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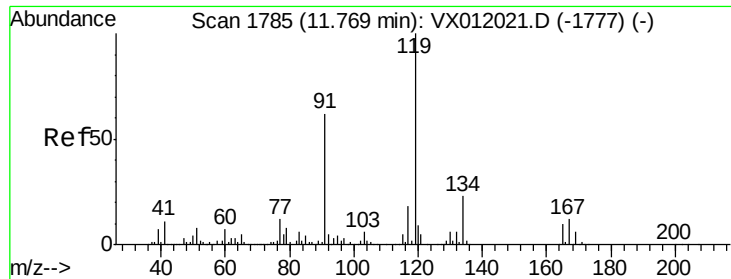
sam
9/4/2019 4:45:53 PM



#82
4-Chlorotoluene
Concen: 214.771 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.2	16.2	48.6





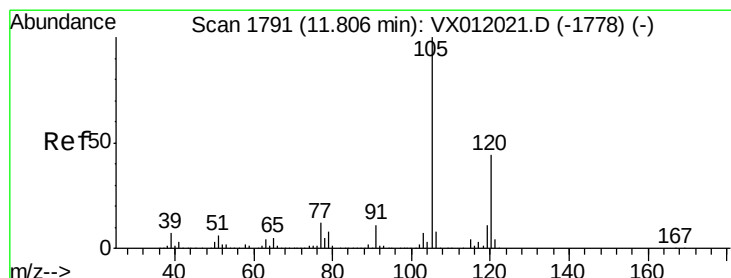
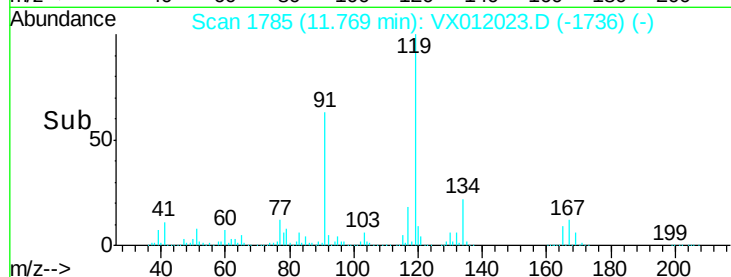
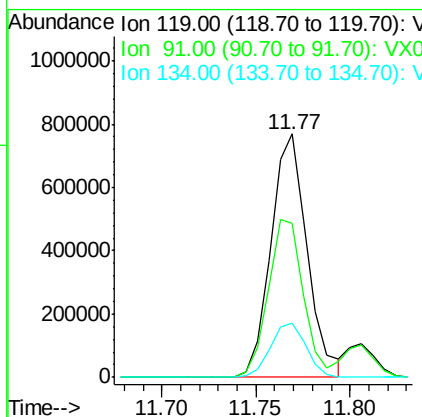
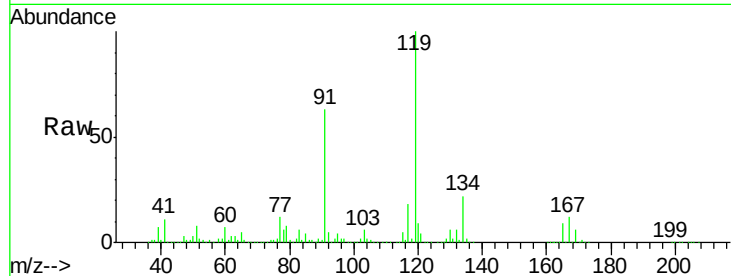
#83
 tert-Butylbenzene
 Concen: 187.066 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	27.1	81.2
134	22.2	12.1	36.3

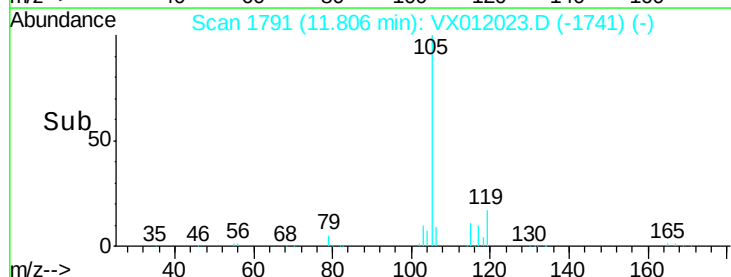
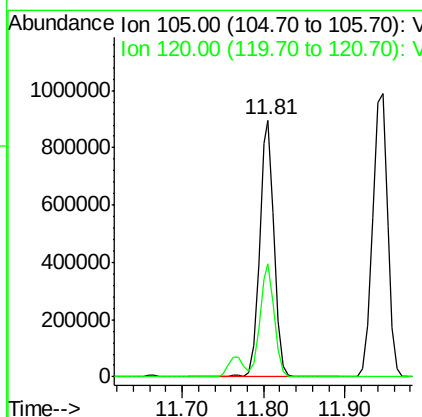
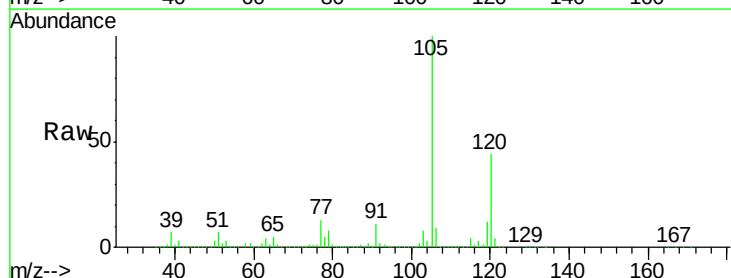
Manual Integrations
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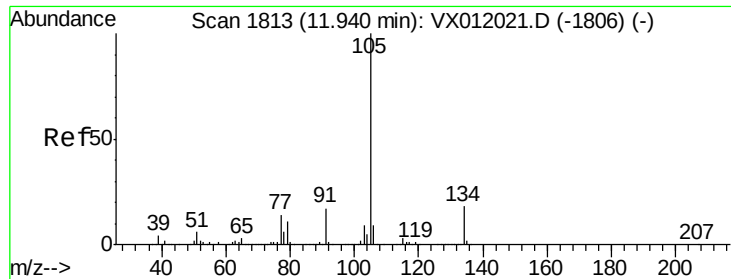
sam
 9/4/2019 4:45:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 208.787 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	23.6	70.8





#85

sec-Butylbenzene

Concen: 200.422 ug/l

RT: 11.95 min Scan# 1814

Delta R.T. 0.01 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1259413

Ion Ratio Lower Upper

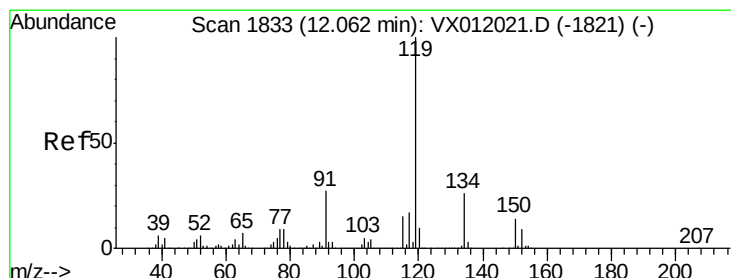
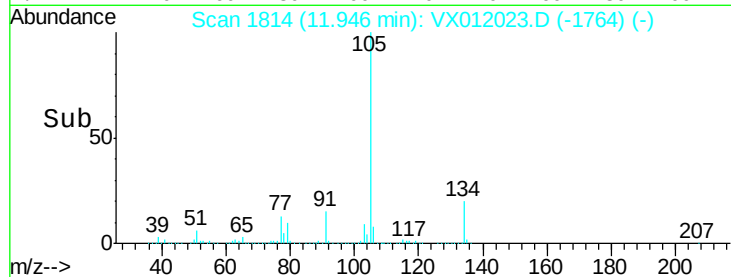
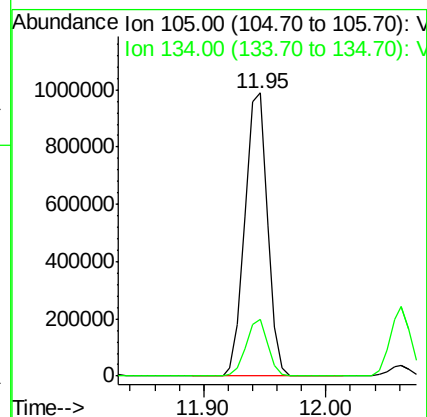
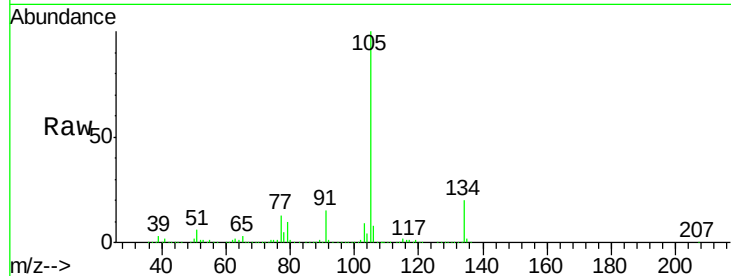
105 100

134 19.4 11.2 33.6

Manual Integrations
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sam

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#86

p-Isopropyltoluene

Concen: 187.672 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012023.D

Acq: 03 Sep 2019 15:01

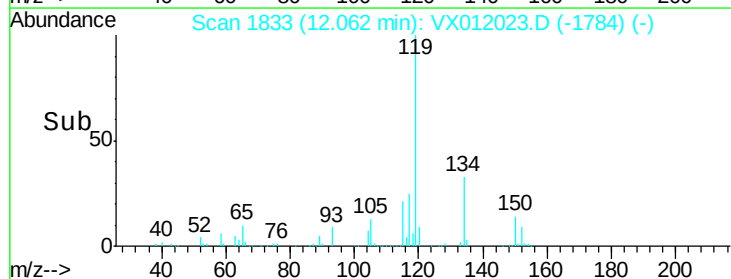
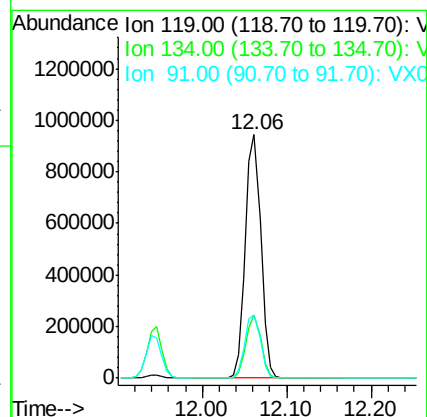
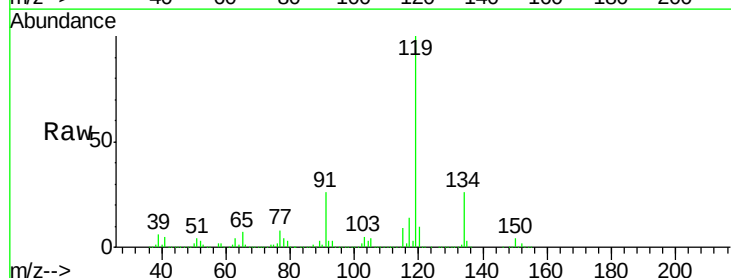
Tgt Ion:119 Resp: 1154623

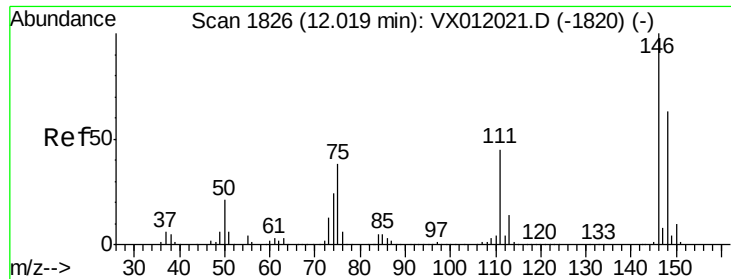
Ion Ratio Lower Upper

119 100

134 25.1 13.7 41.1

91 26.3 11.4 34.1





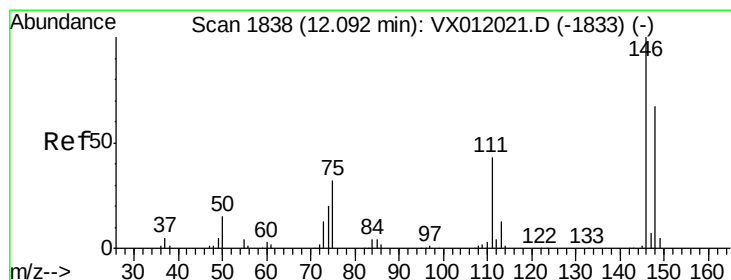
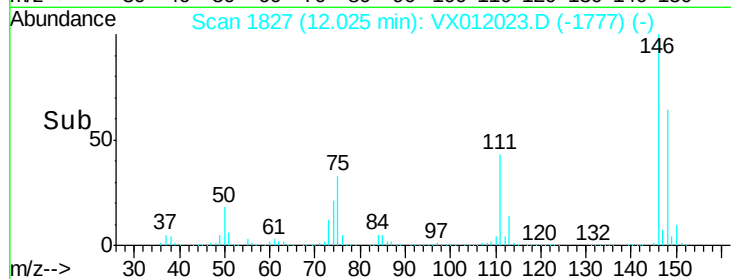
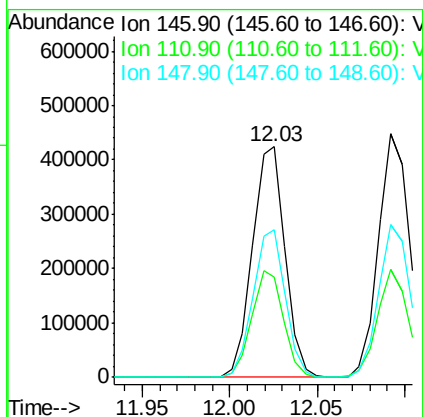
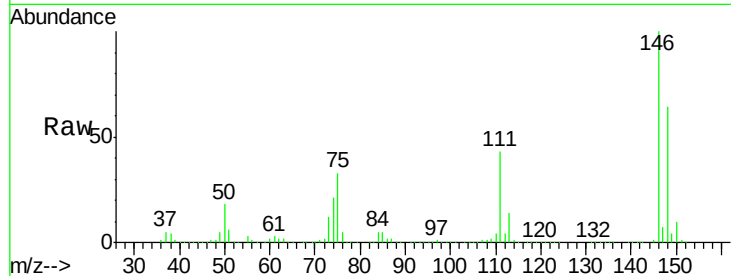
#87
 1,3-Dichlorobenzene
 Concen: 164.793 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	18.1	54.1
148	63.4	32.6	97.8

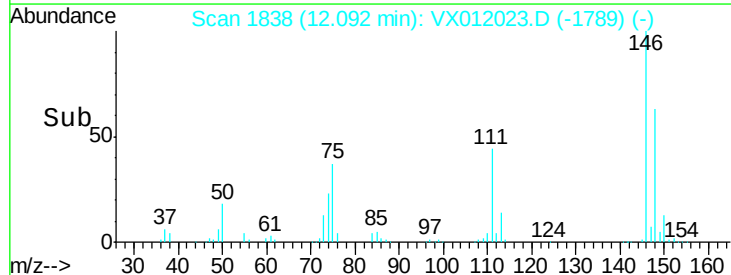
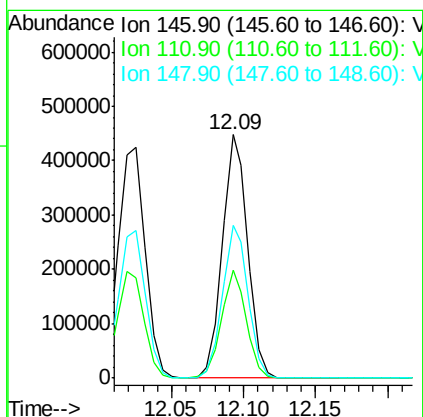
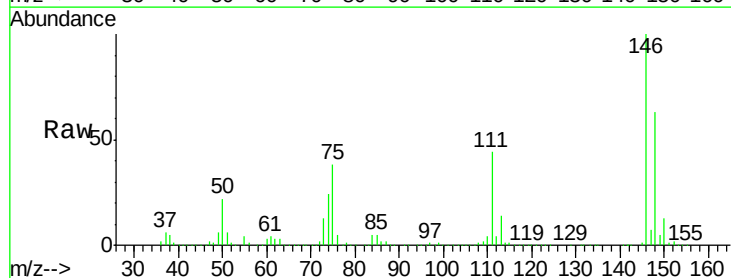
Manual Integrations
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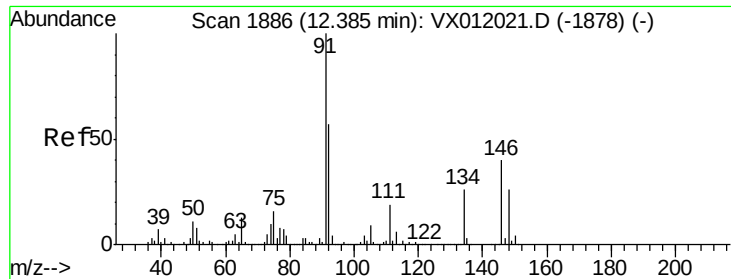
sam
 9/4/2019 4:45:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 165.304 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	17.7	53.1
148	63.4	32.4	97.0





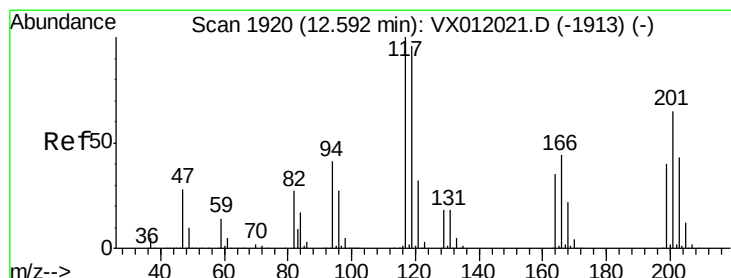
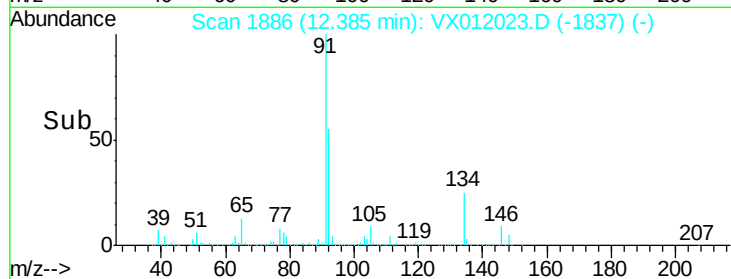
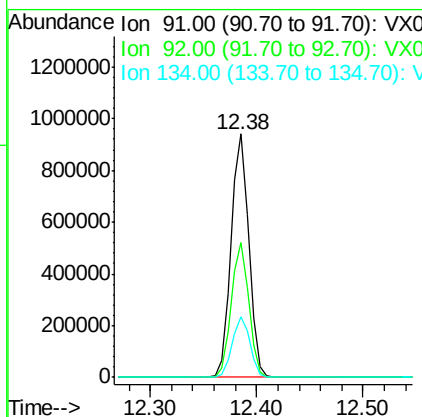
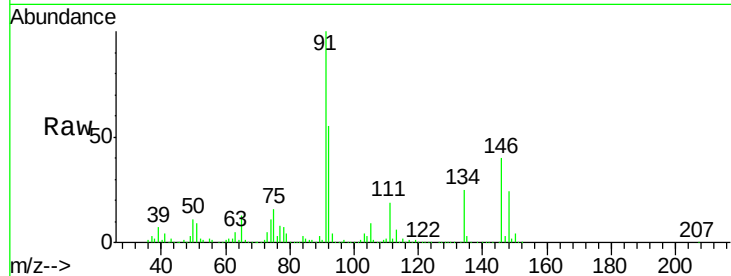
#89
n-Butylbenzene
Concen: 207.063 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	25.0	15.4	46.1

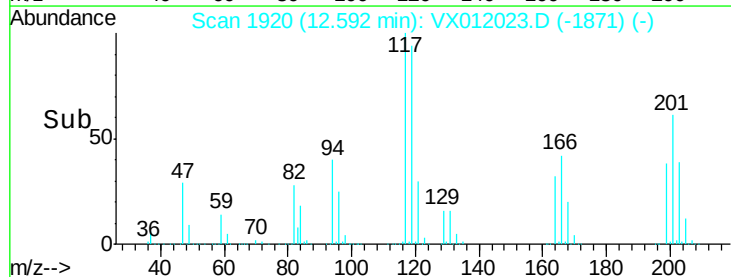
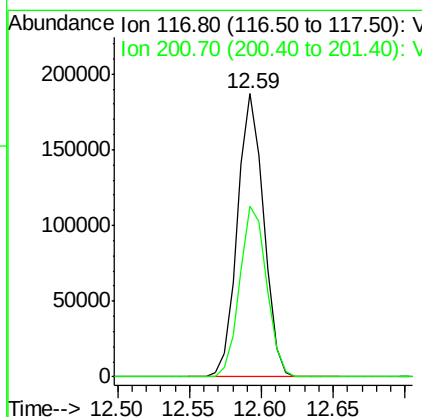
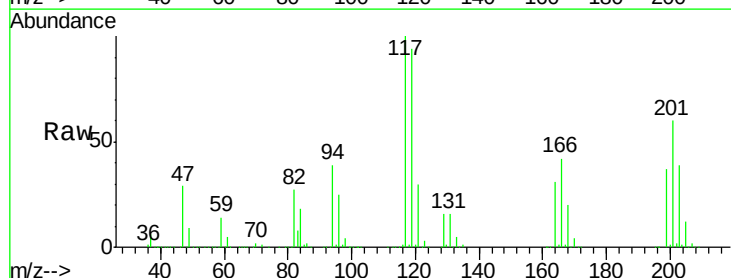
Manual Integrations
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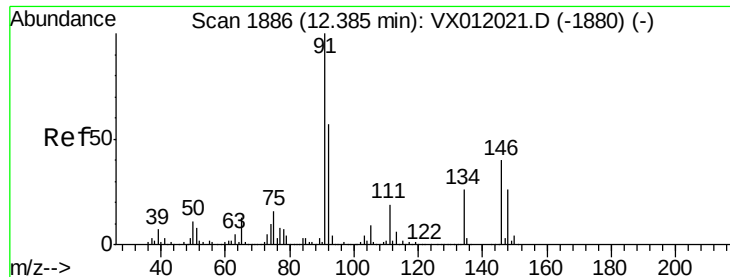
sam
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#90
Hexachloroethane
Concen: 205.512 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.6	55.0	165.2





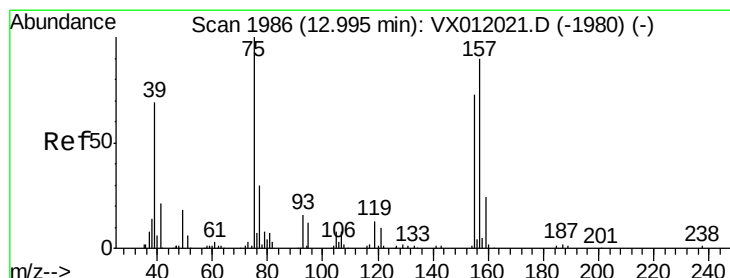
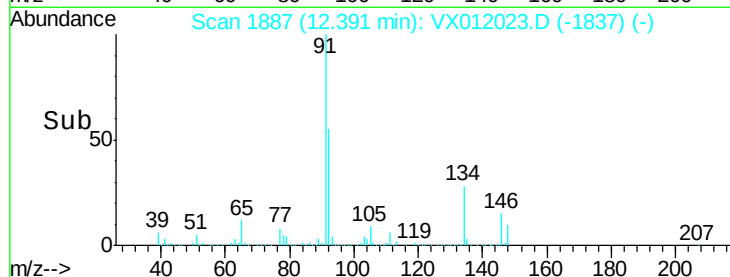
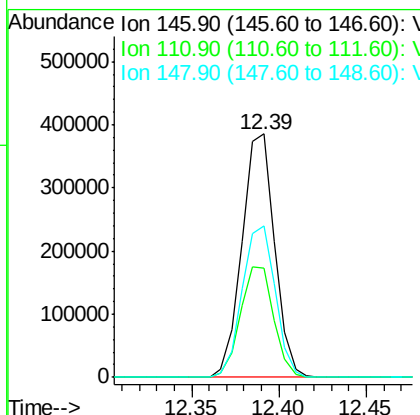
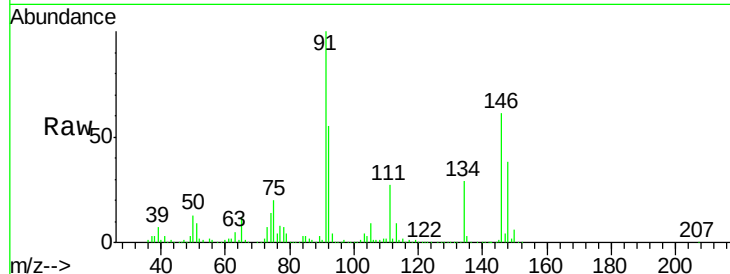
#91
 1,2-Dichlorobenzene
 Concen: 164.664 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	500125		
111	46.5	18.6	56.0	
148	63.2	32.4	97.2	

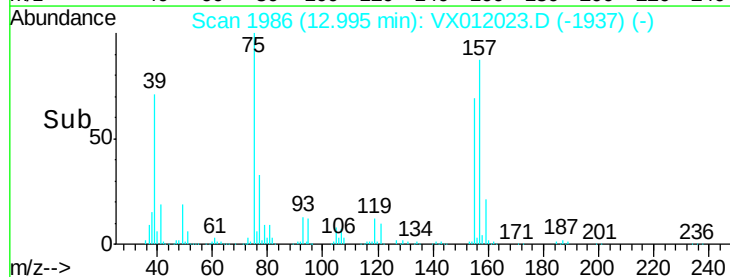
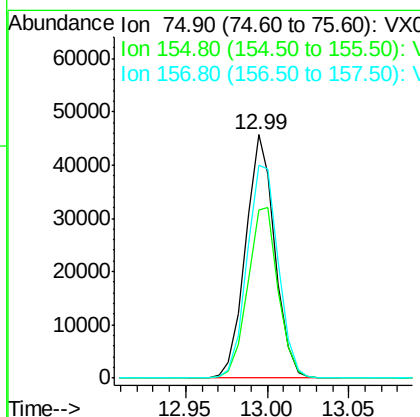
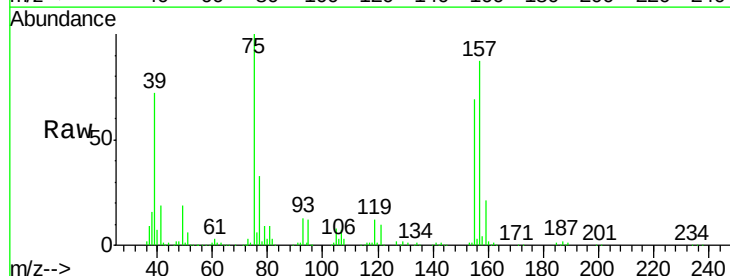
Manual Integrations
 APPROVED

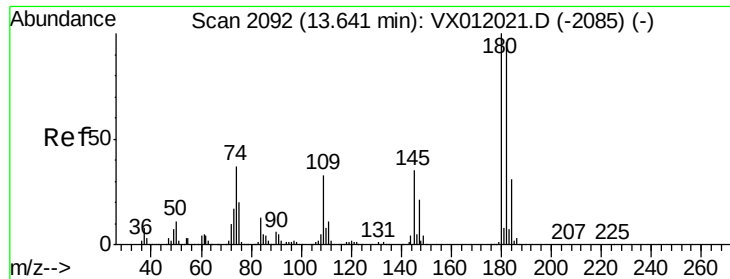
sam
 9/4/2019 4:45:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 257.857 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012023.D
 Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56866		
155	73.3	51.7	155.2	
157	93.8	66.9	200.7	





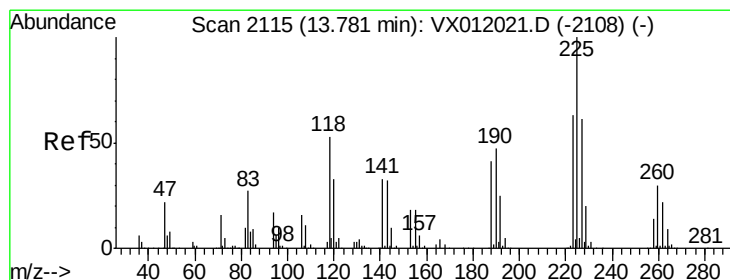
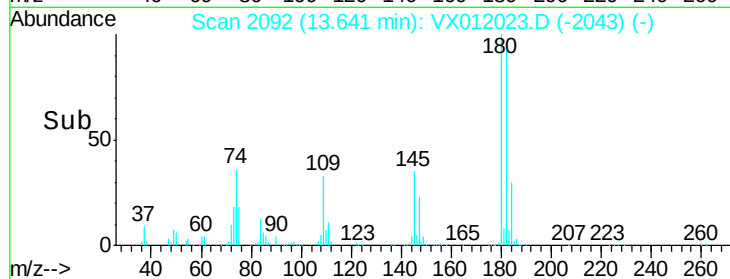
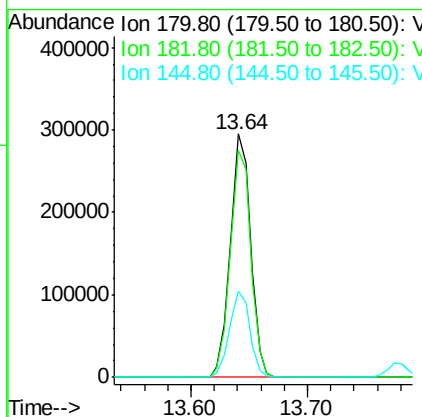
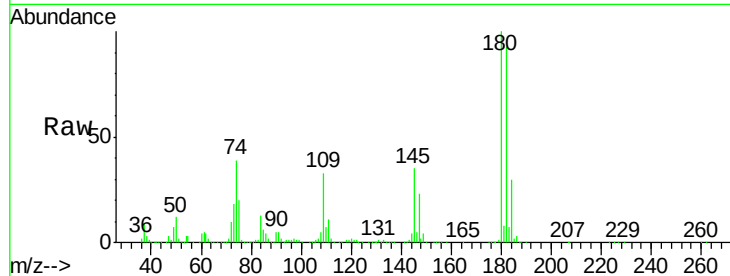
#93
1,2,4-Trichlorobenzene
Concen: 136.310 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	360229		
182	94.5	47.3	142.0	
145	35.6	13.7	41.0	

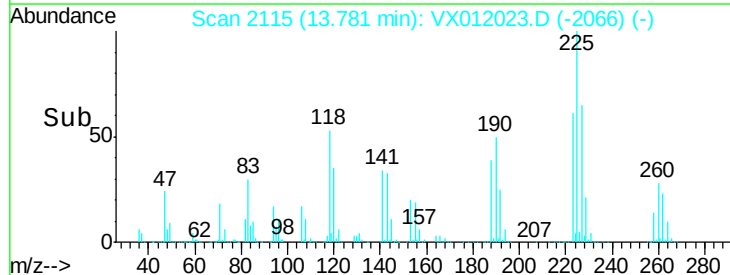
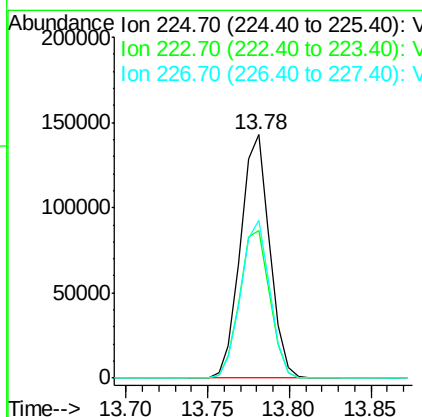
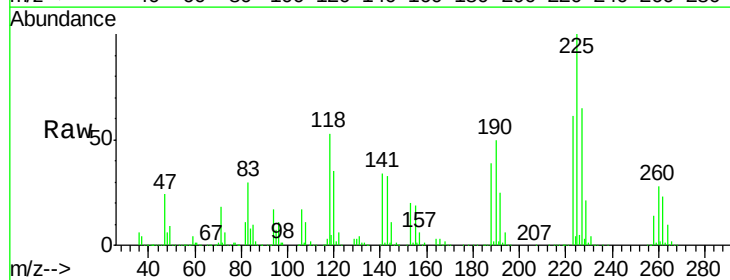
Manual Integrations
APPROVED

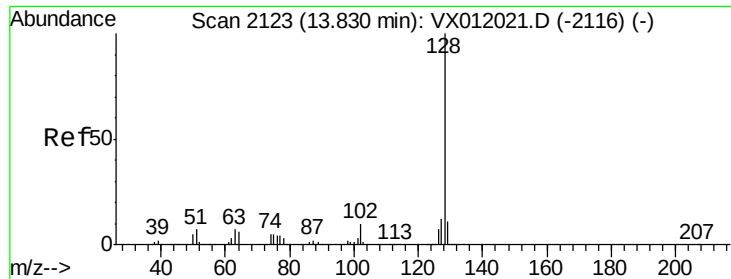
sam
9/4/2019 4:45:53 PM



#94
Hexachlorobutadiene
Concen: 96.518 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178208		
223	62.9	31.6	95.0	
227	64.6	32.5	97.5	





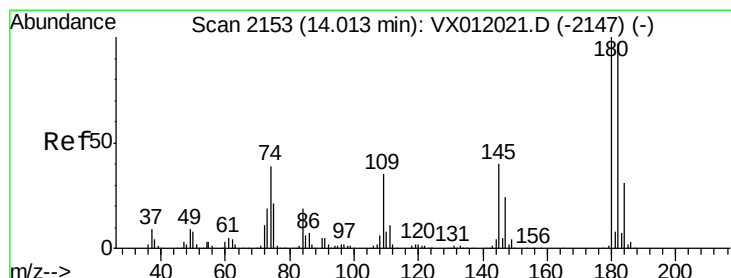
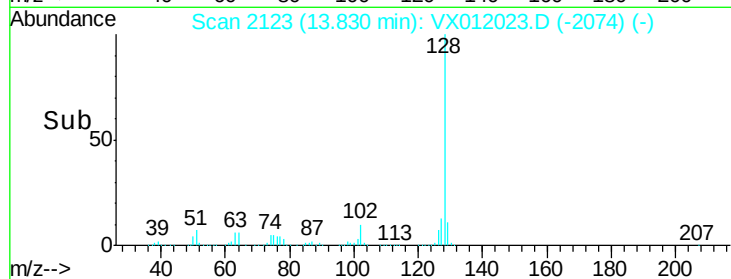
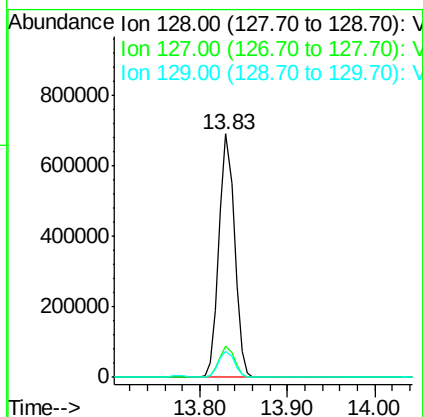
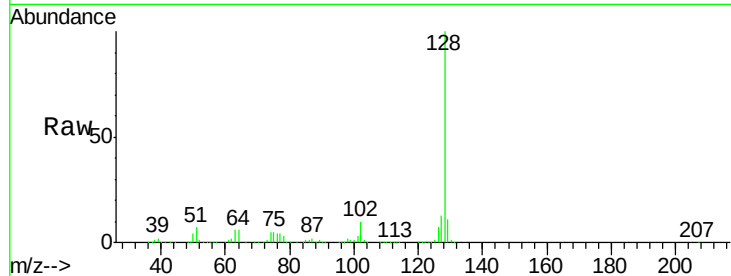
#95
Naphthalene
Concen: 207.636 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

sam
9/4/2019 4:45:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 139.764 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012023.D
Acq: 03 Sep 2019 15:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	37.1	14.1	42.4

