

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102419\
 Data File : VX013190.D
 Acq On : 23 Oct 2019 15:08
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:32:58 PM

Quant Time: Oct 24 03:52:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 15:31:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	83606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	124376	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	126741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	89406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	263755	146.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.00%	
35) Dibromofluoromethane	5.49	113	214130	147.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.18%	
50) Toluene-d8	8.71	98	785959	148.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.58%	
62) 4-Bromofluorobenzene	11.14	95	319941	146.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	240149	139.700	ug/l	100
3) Chloromethane	1.31	50	214229	143.187	ug/l	100
4) Vinyl Chloride	1.40	62	225377	145.680	ug/l	99
5) Bromomethane	1.62	94	114205	138.118	ug/l	100
6) Chloroethane	1.70	64	117473	111.860	ug/l	96
7) Trichlorofluoromethane	1.91	101	360410	143.143	ug/l	100
8) Diethyl Ether	2.18	74	122028	141.210	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	214865	141.178	ug/l	99
10) Methyl Iodide	2.50	142	293198	160.046	ug/l	99
11) Tert butyl alcohol	3.06	59	285325	647.137	ug/l	99
12) 1,1-Dichloroethene	2.36	96	212105	146.662	ug/l	98
13) Acrolein	2.28	56	169643	669.936	ug/l	98
14) Allyl chloride	2.71	41	334752	148.228	ug/l	99
15) Acrylonitrile	3.14	53	575308	718.026	ug/l	100
16) Acetone	2.44	43	594120	708.447	ug/l	100
17) Carbon Disulfide	2.55	76	573119	148.107	ug/l	100
18) Methyl Acetate	2.76	43	275193	143.960	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	738615	147.401	ug/l	98
20) Methylene Chloride	2.84	84	232099	132.224	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	223361	140.576	ug/l	97
22) Diisopropyl ether	3.85	45	637905	144.916	ug/l	91
23) Vinyl Acetate	3.81	43	2854035	745.050	ug/l	100
24) 1,1-Dichloroethane	3.69	63	394383	146.235	ug/l	99
25) 2-Butanone	4.67	43	829491	725.202	ug/l	99
26) 2,2-Dichloropropane	4.57	77	375153	154.399	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	257613	145.014	ug/l	98
28) Bromochloromethane	5.01	49	106177	147.262	ug/l	100
29) Tetrahydrofuran	5.12	42	490067	714.138	ug/l	99
30) Chloroform	5.20	83	417675	143.306	ug/l	100
31) Cyclohexane	5.57	56	341889	146.151	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	393165	150.370	ug/l	100
36) 1,1-Dichloropropene	5.79	75	313445	140.646	ug/l	99
37) Ethyl Acetate	4.83	43	304917	138.476	ug/l	99
38) Carbon Tetrachloride	5.77	117	344622	151.605	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	383749	145.213	ug/l	96
40) Benzene	6.14	78	897257	141.585	ug/l	98
41) Methacrylonitrile	5.03	41	170582	146.240	ug/l	97
42) 1,2-Dichloroethane	6.18	62	342168	143.708	ug/l	99
43) Isopropyl Acetate	6.43	43	524798	149.383	ug/l	100
44) Trichloroethene	7.20	130	254107	141.539	ug/l	98
45) 1,2-Dichloropropane	7.51	63	224168	142.521	ug/l	100
46) Dibromomethane	7.65	93	162497	146.375	ug/l	100
47) Bromodichloromethane	7.89	83	339327	155.125	ug/l	100
48) Methyl methacrylate	7.76	41	259862	152.527	ug/l	98
49) 1,4-Dioxane	7.73	88	120974	2607.087	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1569400	728.945	ug/l	100
52) Toluene	8.78	92	589585	144.190	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	390594	166.745	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	407844	157.838	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	239562	144.903	ug/l	99
56) Ethyl methacrylate	9.17	69	400343	158.206	ug/l	100
57) 1,3-Dichloropropane	9.37	76	398991	145.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	793278	798.743	ug/l	99
59) 2-Hexanone	9.49	43	1193461	706.693	ug/l	98
60) Dibromochloromethane	9.58	129	277293	163.424	ug/l	100
61) 1,2-Dibromoethane	9.67	107	259037	146.575	ug/l	99
64) Tetrachloroethene	9.33	164	225524	131.019	ug/l	95
65) Chlorobenzene	10.14	112	654905	147.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	252076	155.428	ug/l	98
67) Ethyl Benzene	10.25	91	1176209	148.612	ug/l	99
68) m/p-Xylenes	10.35	106	871448	291.304	ug/l	98
69) o-Xylene	10.70	106	428312	146.965	ug/l	99
70) Styrene	10.71	104	755854	154.144	ug/l	100
71) Bromoform	10.85	173	208538	178.005	ug/l #	99
73) Isopropylbenzene	11.01	105	1168757	145.887	ug/l	99
74) N-amyl acetate	10.89	43	462963	154.661	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	359896	145.067	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	341589m	165.022	ug/l	
77) Bromobenzene	11.25	156	279451	147.450	ug/l	98
78) n-propylbenzene	11.35	91	1308556	152.438	ug/l	99
79) 2-Chlorotoluene	11.42	91	812520	147.095	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	999757	149.141	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	132857	164.129	ug/l	99
82) 4-Chlorotoluene	11.51	91	950820	151.005	ug/l	98
83) tert-Butylbenzene	11.77	119	986149	150.618	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1029616	149.872	ug/l	99
85) sec-Butylbenzene	11.94	105	1139501	151.231	ug/l	99
86) p-Isopropyltoluene	12.06	119	1037879	146.538	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	522073	147.657	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	511317	142.423	ug/l	99
89) n-Butylbenzene	12.38	91	922324	157.514	ug/l	100
90) Hexachloroethane	12.59	117	198265	164.479	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	495209	144.050	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	92751	154.756	ug/l	97

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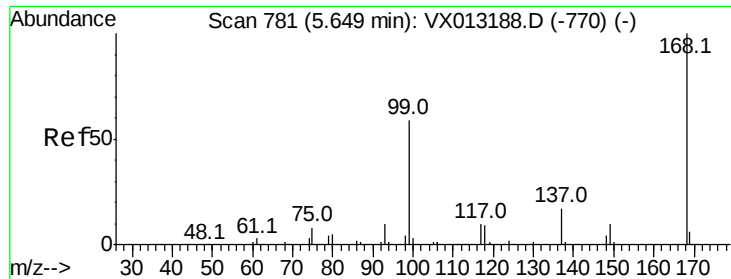
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	321748	147.448	ug/l	95
94) Hexachlorobutadiene	13.78	225	158016	142.823	ug/l	99
95) Naphthalene	13.83	128	1056842	154.936	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	327486	149.432	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 83606

Ion Ratio Lower Upper

168 100

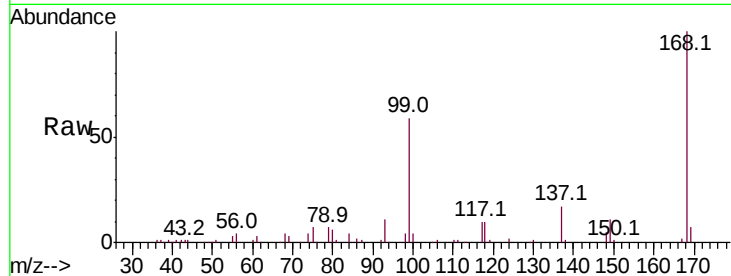
99 59.4 46.4 69.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

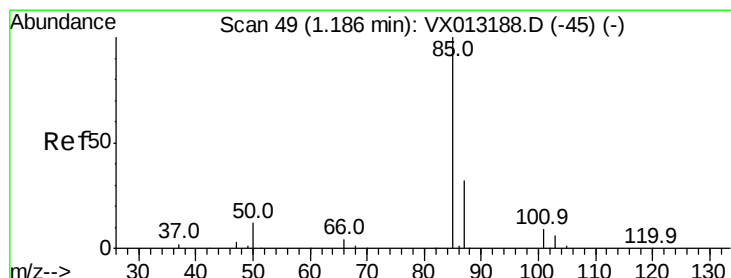
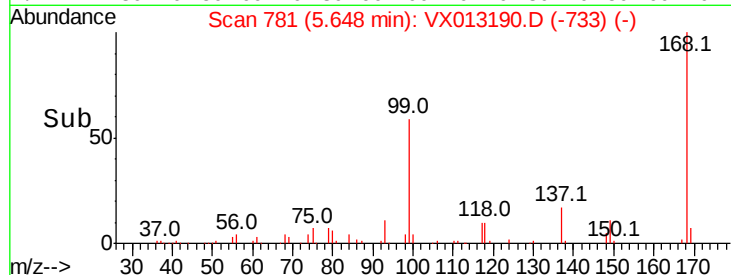
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 139.700 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013190.D

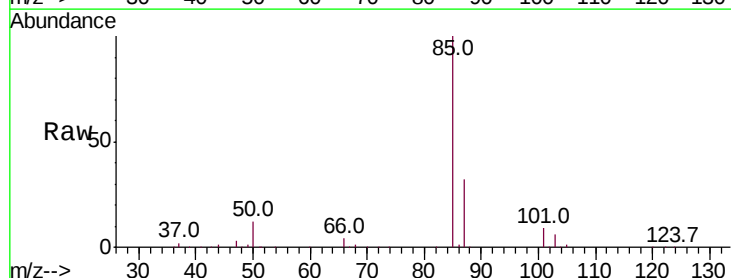
Acq: 23 Oct 2019 15:08

Tgt Ion: 85 Resp: 240149

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

150000

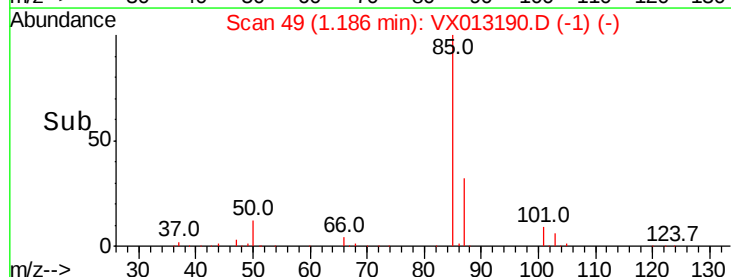
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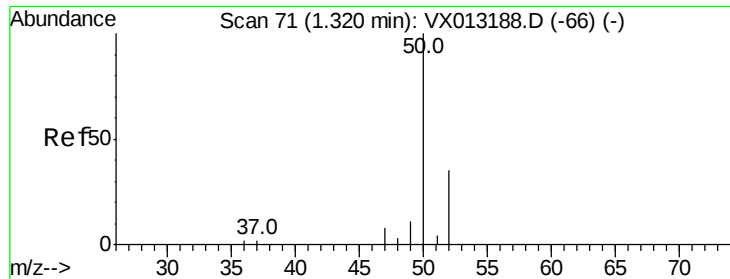
50000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 143.187 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 214229

Ion Ratio Lower Upper

50 100

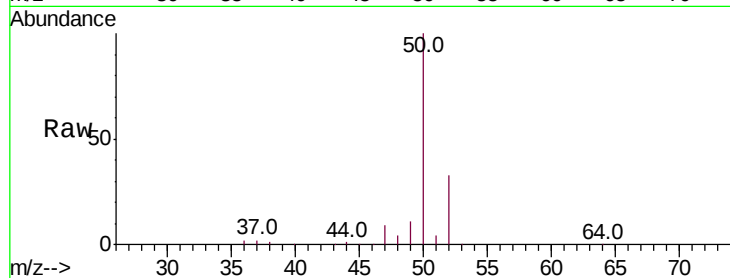
52 33.4 26.6 39.8

Manual Integrations

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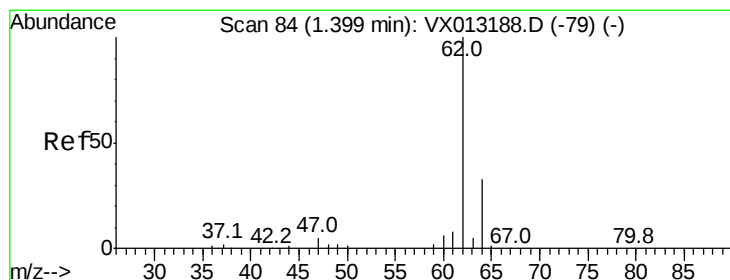
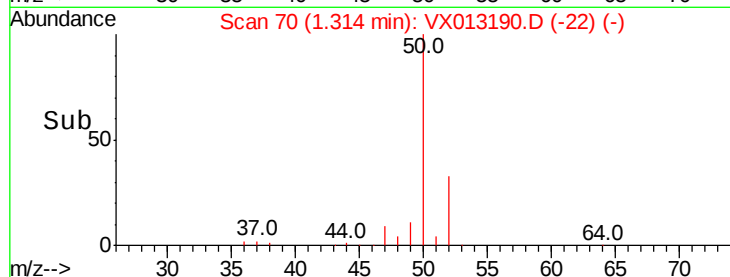
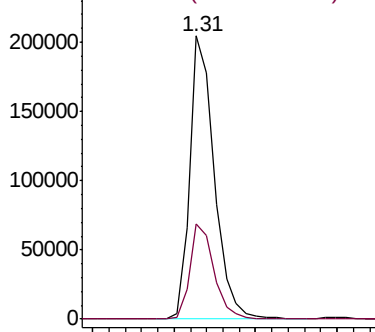
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 145.680 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013190.D

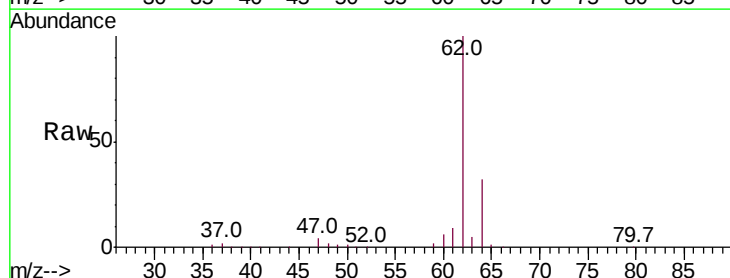
Acq: 23 Oct 2019 15:08

Tgt Ion: 62 Resp: 225377

Ion Ratio Lower Upper

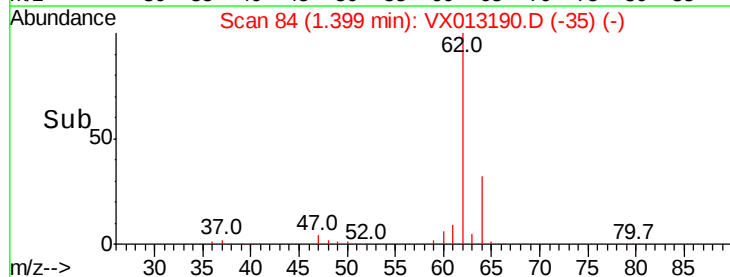
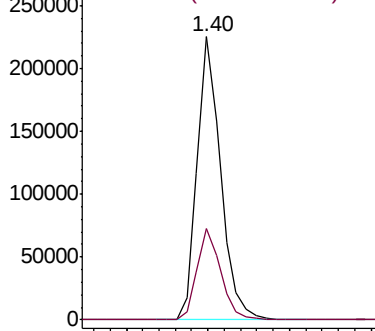
62 100

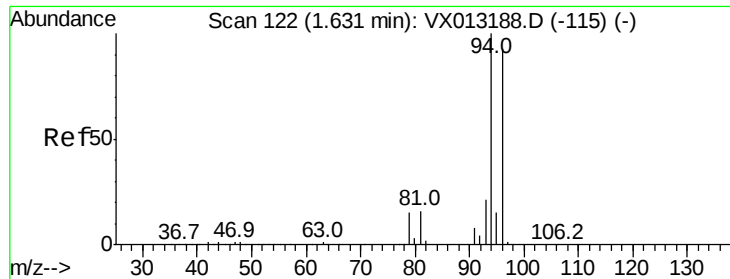
64 32.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 138.118 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 114205

Ion Ratio Lower Upper

94 100

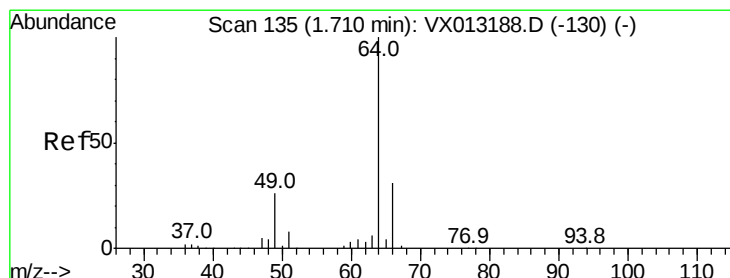
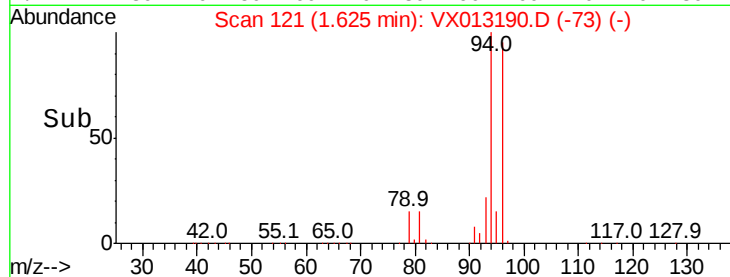
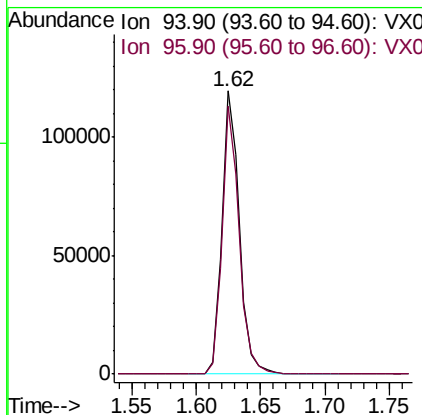
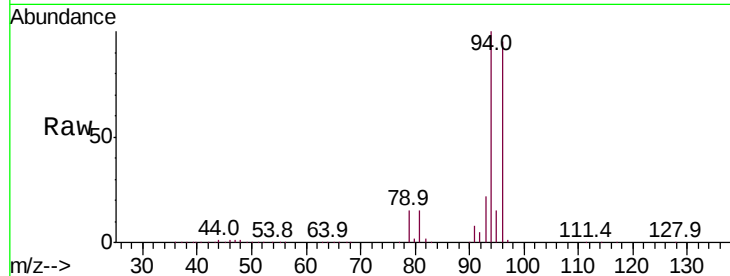
96 94.9 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 111.860 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013190.D

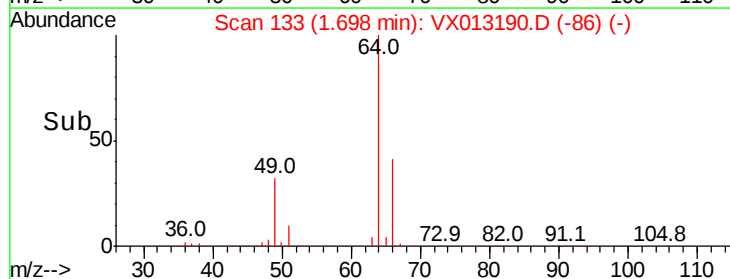
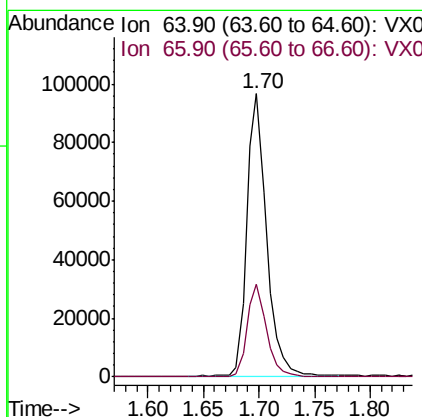
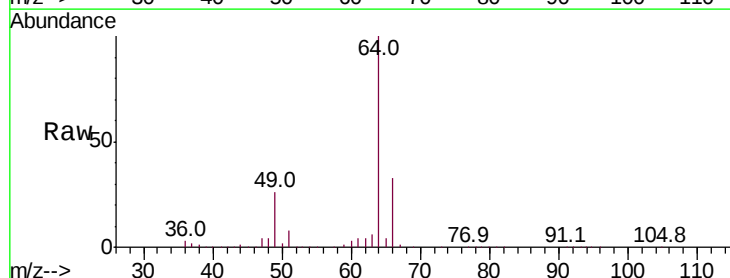
Acq: 23 Oct 2019 15:08

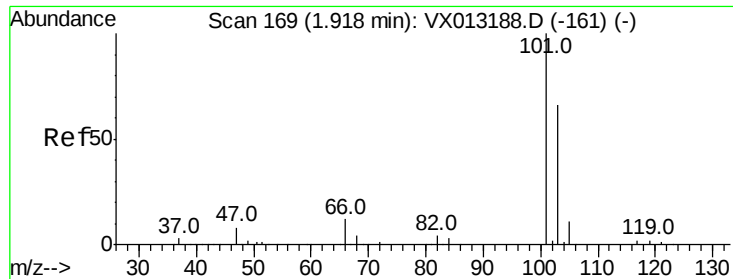
Tgt Ion: 64 Resp: 117473

Ion Ratio Lower Upper

64 100

66 32.6 27.8 41.8





#7

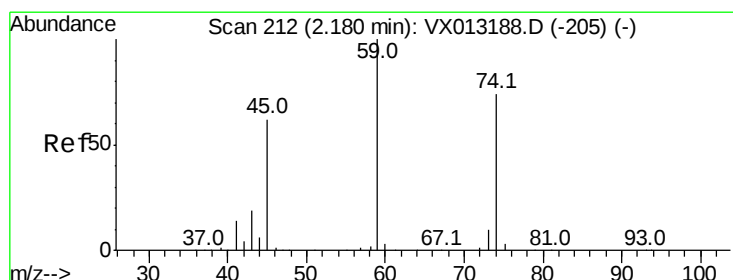
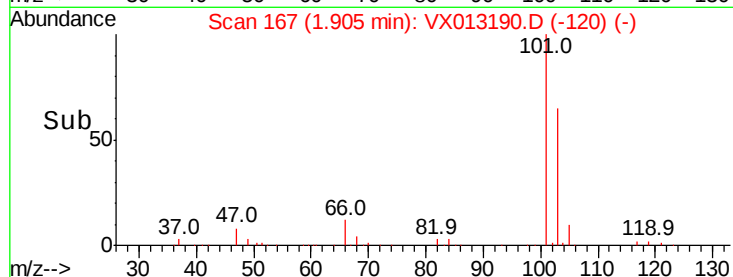
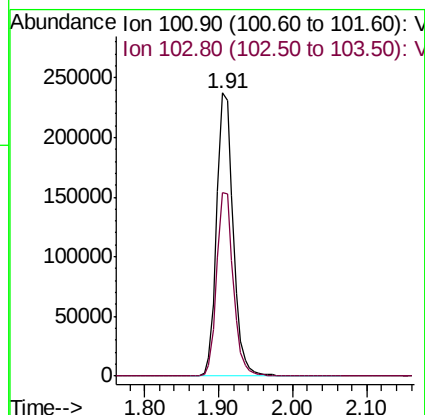
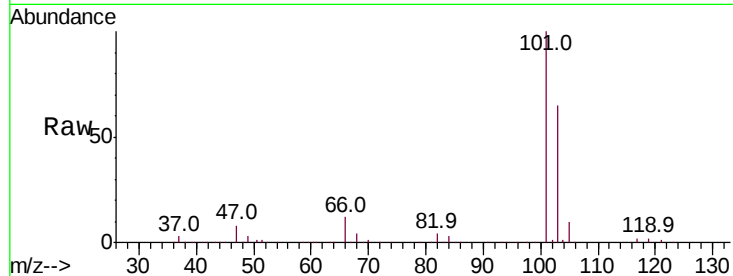
Trichlorofluoromethane
 Concen: 143.143 ug/l
 RT: 1.91 min Scan# 167
 Delta R.T. -0.01 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 360410
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.9 77.9

Manual Integrations
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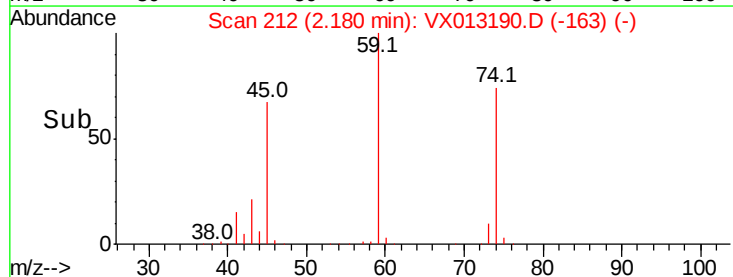
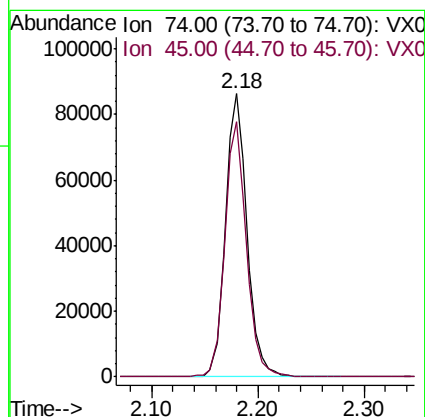
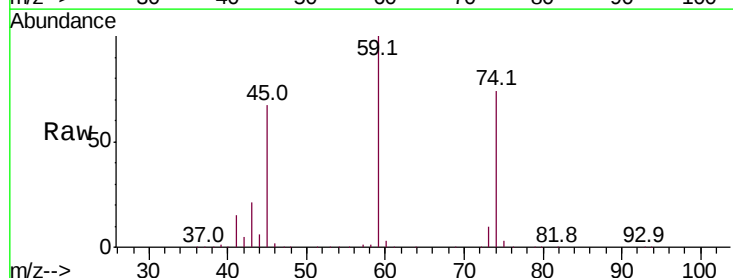
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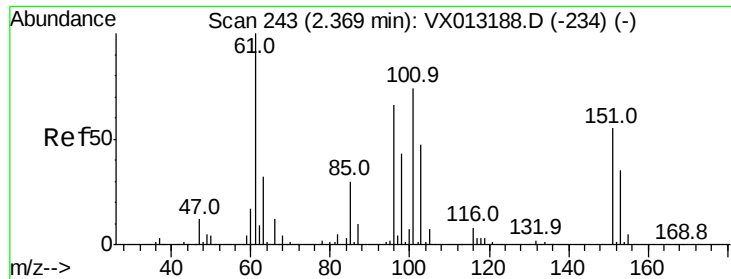


#8

Diethyl Ether
 Concen: 141.210 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Tgt Ion: 74 Resp: 122028
 Ion Ratio Lower Upper
 74 100
 45 90.7 44.1 132.4





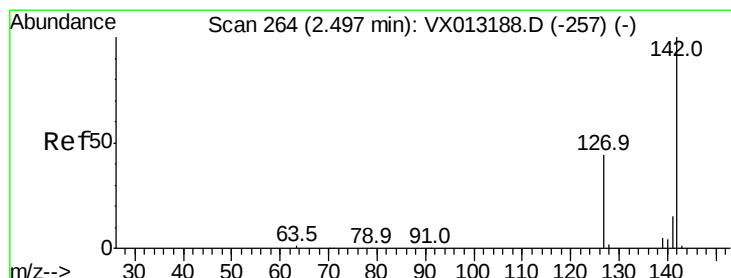
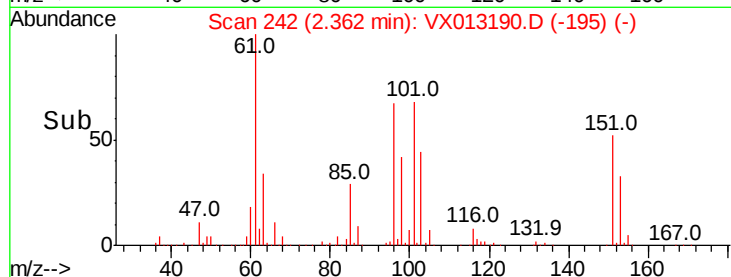
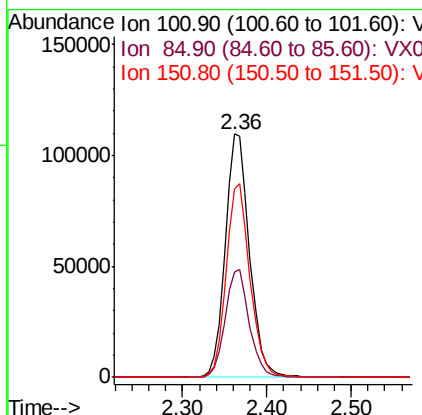
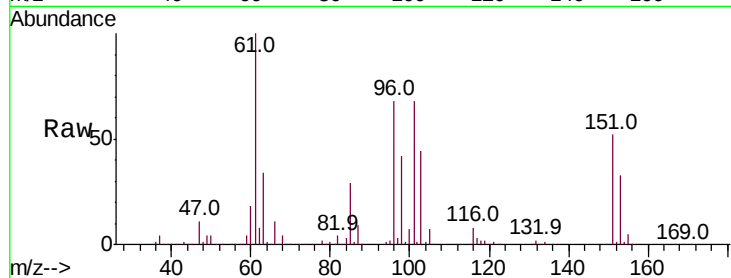
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 141.178 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	101	Resp:	214865
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.0	52.4
151	78.5	62.5	93.7

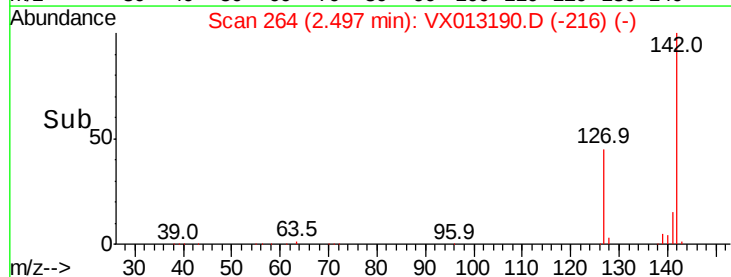
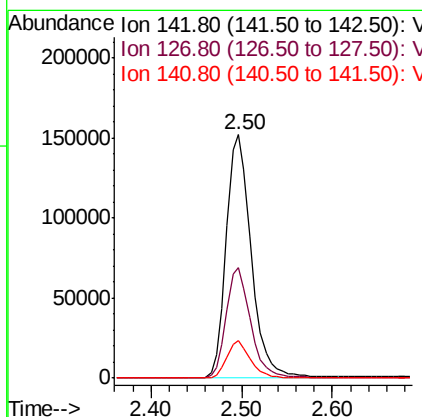
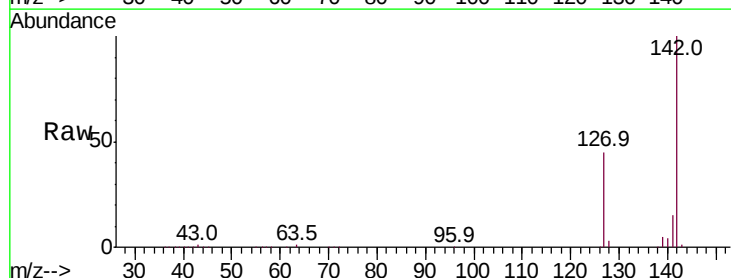
Manual Integrations
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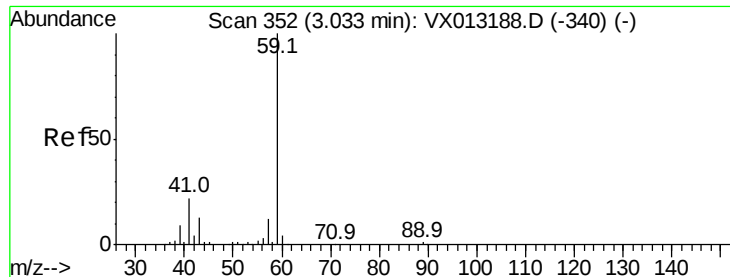
MMDadoda
 10/25/2019 4:32:58 PM



#10
 Methyl Iodide
 Concen: 160.046 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. -0.01 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Tgt Ion:	142	Resp:	293198
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.2	54.4
141	14.5	11.8	17.6





#11

Tert butyl alcohol

Concen: 647.137 ug/l

RT: 3.06 min Scan# 356

Delta R.T. 0.02 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

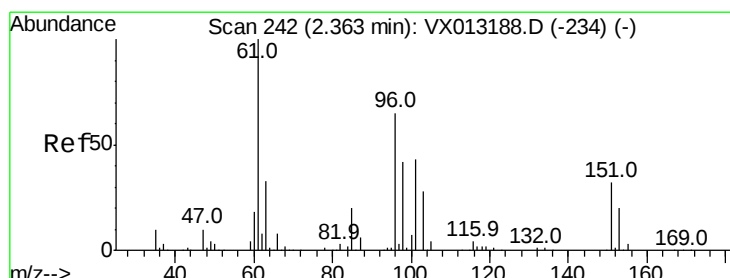
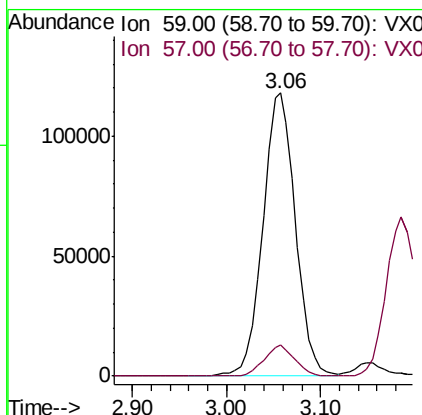
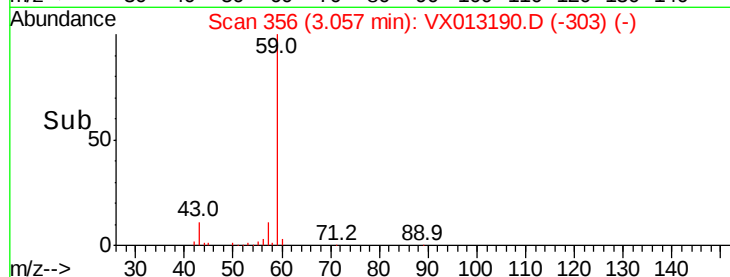
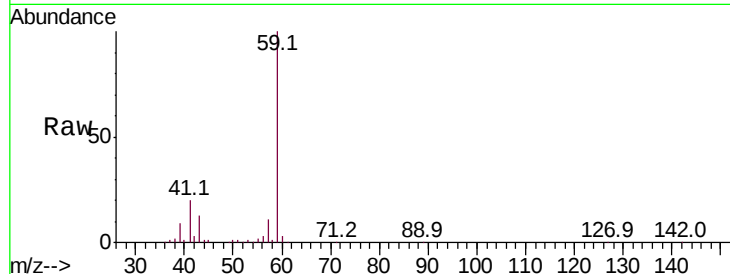
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 285325

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 146.662 ug/l

RT: 2.36 min Scan# 241

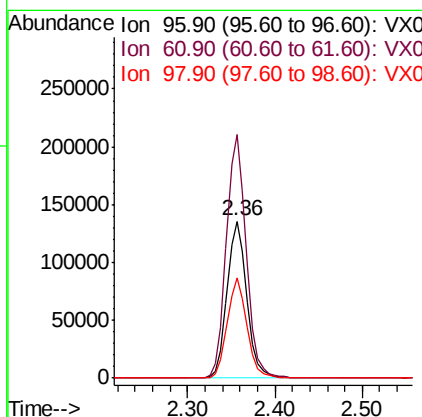
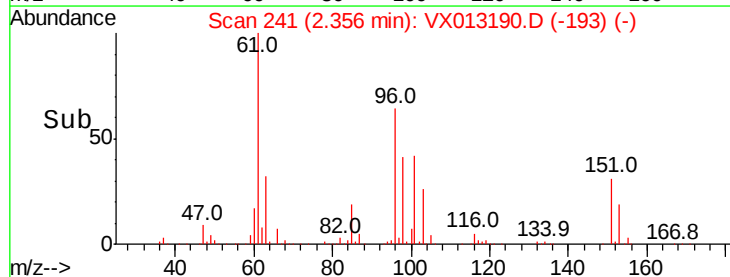
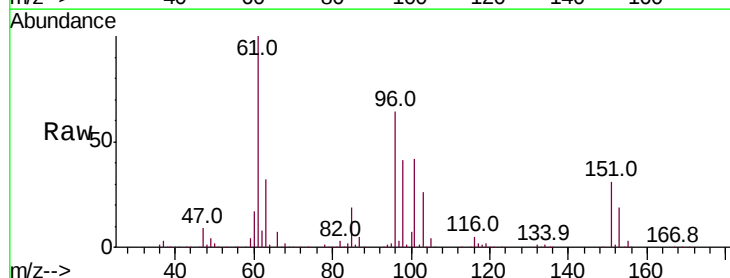
Delta R.T. -0.01 min

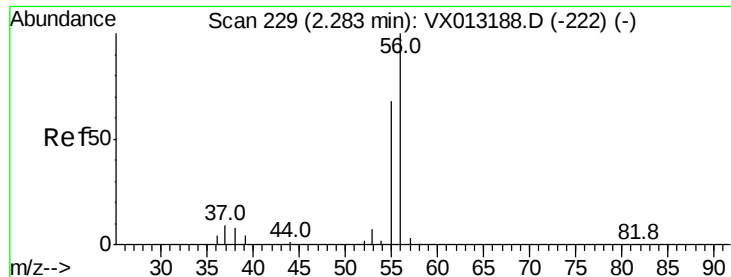
Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion: 96 Resp: 212105

Ion	Ratio	Lower	Upper
96	100		
61	155.0	125.4	188.2
98	64.2	49.0	73.6





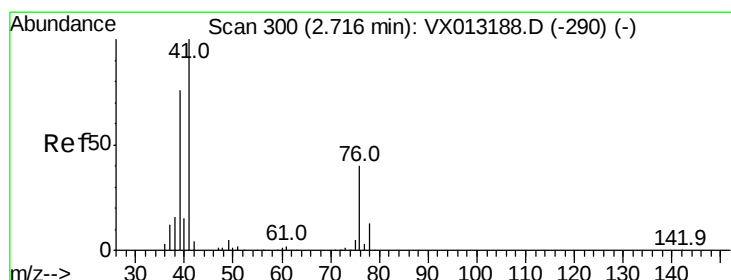
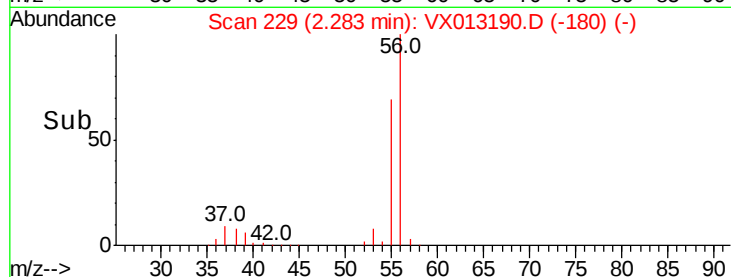
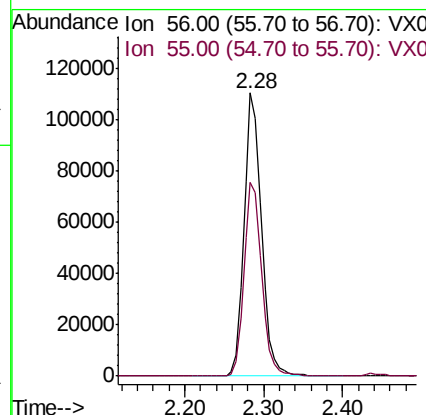
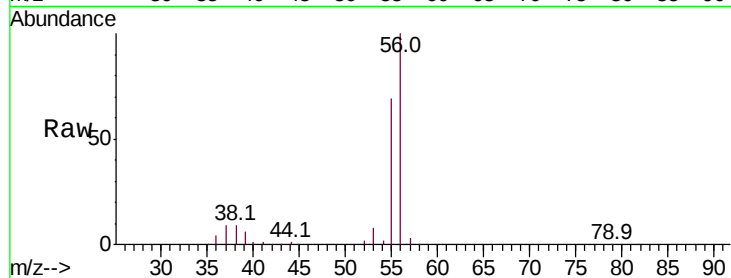
#13
Acrolein
Concen: 669.936 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	56	55	Ratio	100	70.0	Resp	169643	Lower	55.0	Upper	82.4
Ion	56	55	Ratio	100	70.0	Resp	169643	Lower	55.0	Upper	82.4

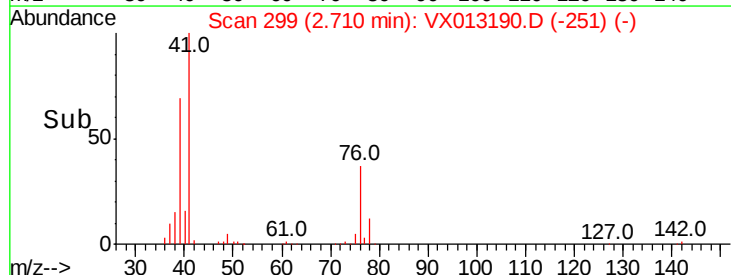
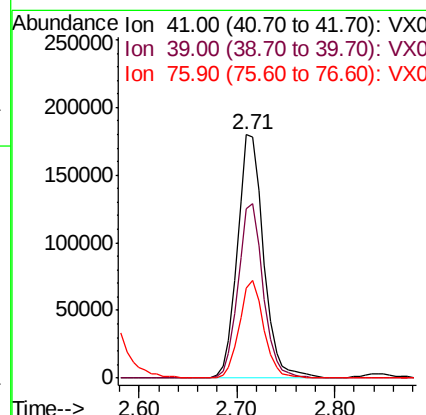
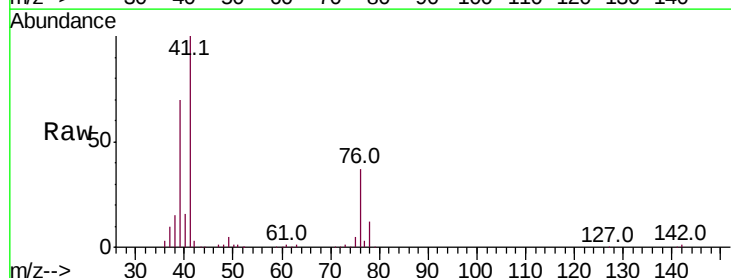
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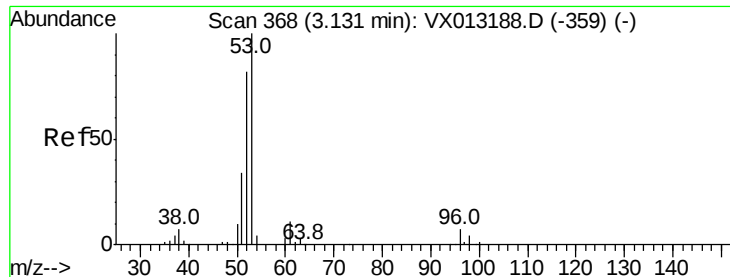
MMDadoda
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#14
Allyl chloride
Concen: 148.228 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.01 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	41	39	76	Ratio	100	68.7	37.6	Resp	334752	Lower	54.2	Upper	81.4	43.7
Ion	41	39	76	Ratio	100	68.7	37.6	Resp	334752	Lower	54.2	Upper	81.4	43.7





#15

Acrylonitrile

Concen: 718.026 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

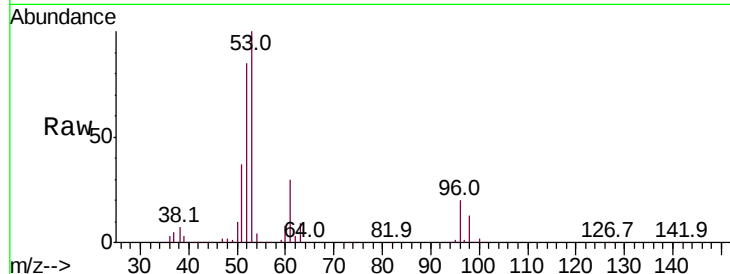
ClientSampleId :

VSTDIC150

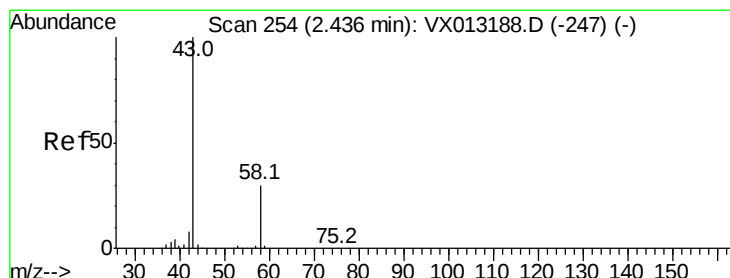
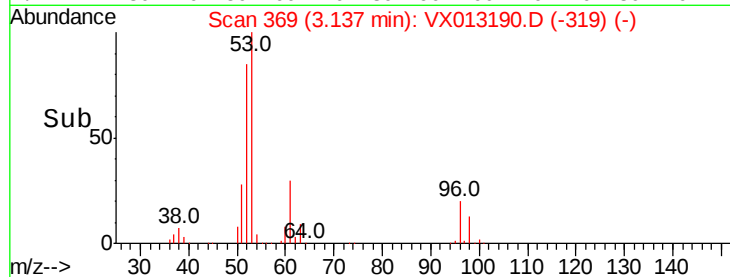
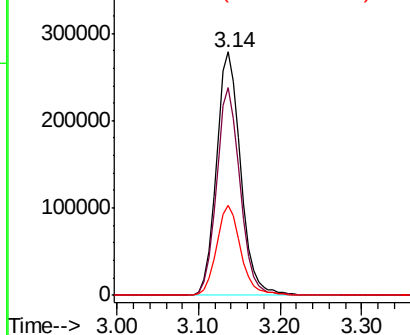
Tot Ion:	53	Resp:	575308
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.9	100.3
51	37.2	29.9	44.9

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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 708.447 ug/l

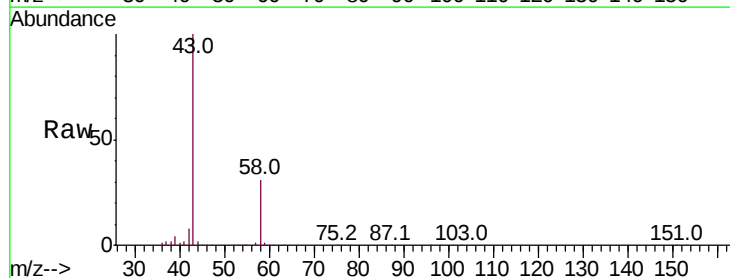
RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

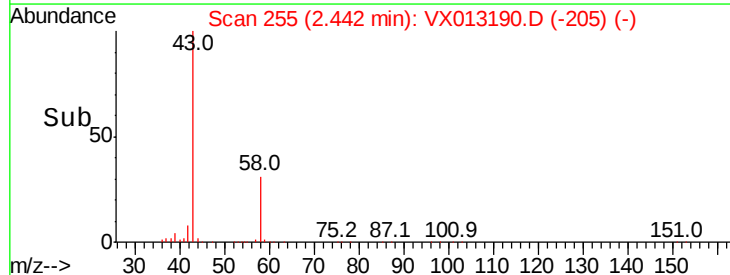
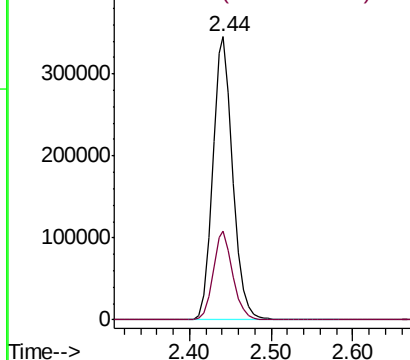
Lab File: VX013190.D

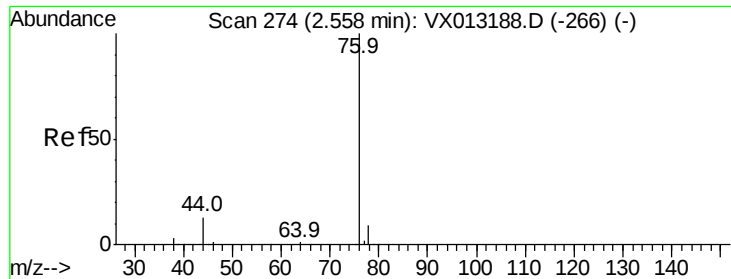
Acq: 23 Oct 2019 15:08

Tgt Ion:	43	Resp:	594120
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.1	37.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





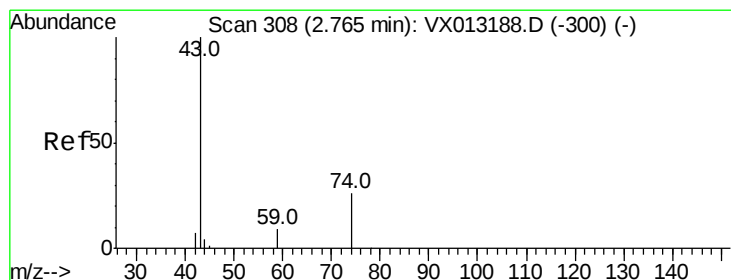
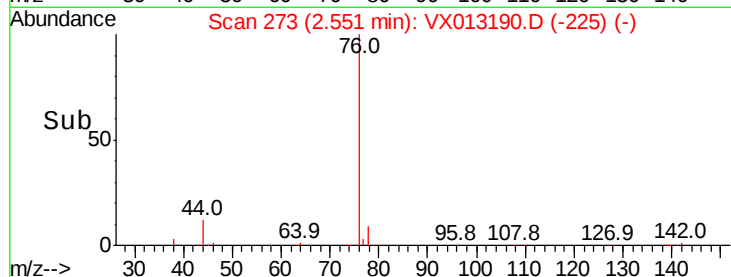
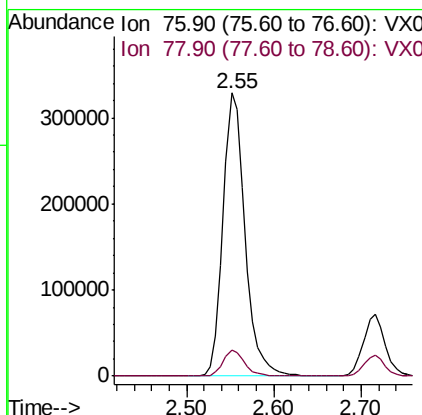
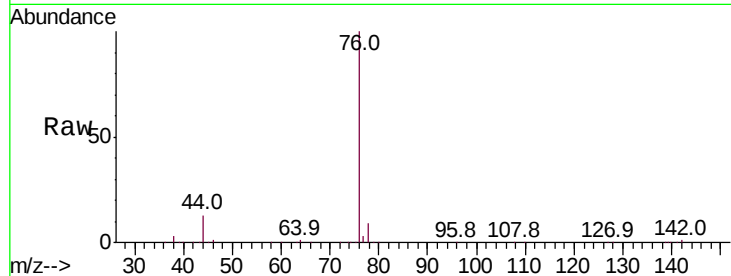
#17
Carbon Disulfide
Concen: 148.107 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 573119
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

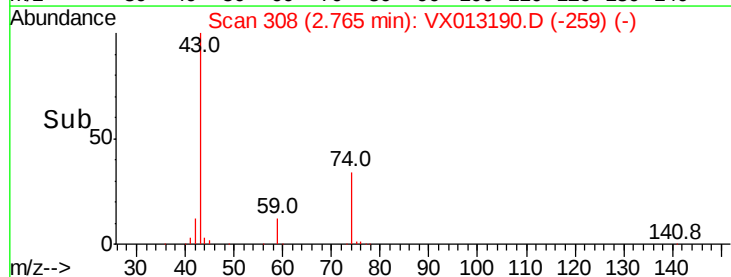
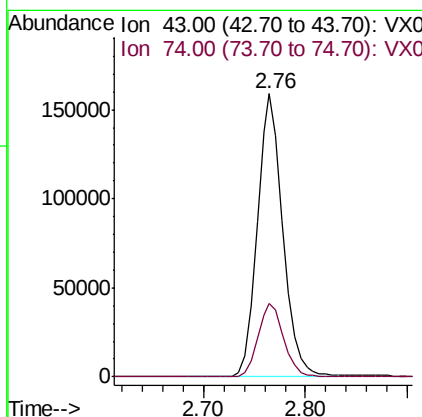
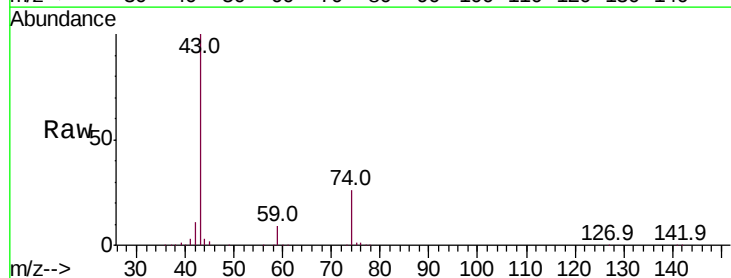
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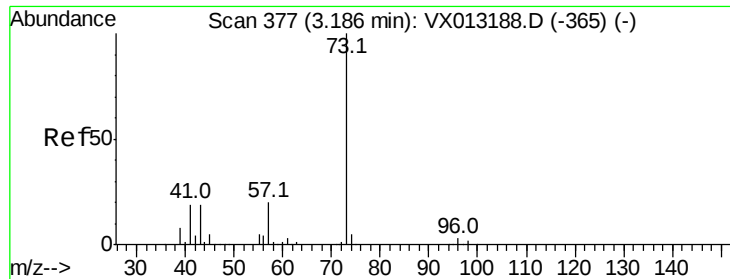
MMDadoda
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#18
Methyl Acetate
Concen: 143.960 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion: 43 Resp: 275193
Ion Ratio Lower Upper
43 100
74 26.0 21.0 31.4





#19

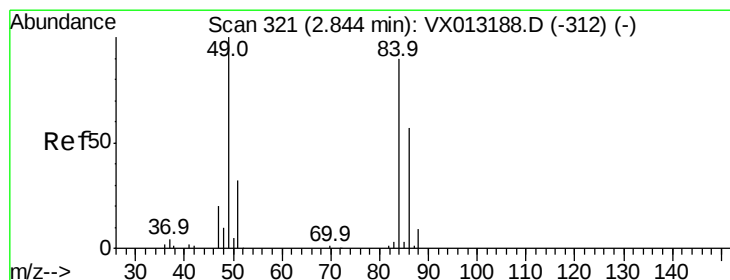
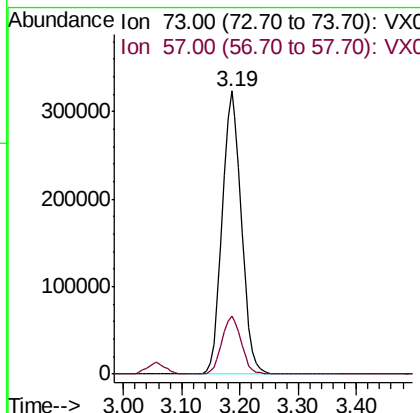
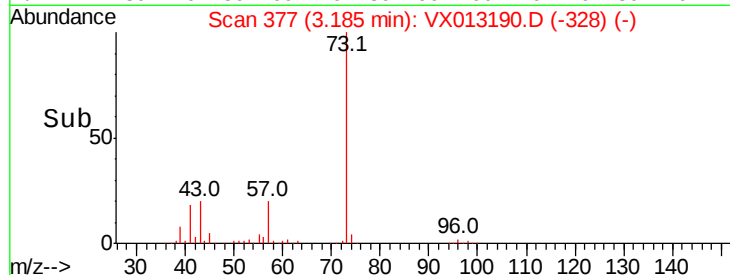
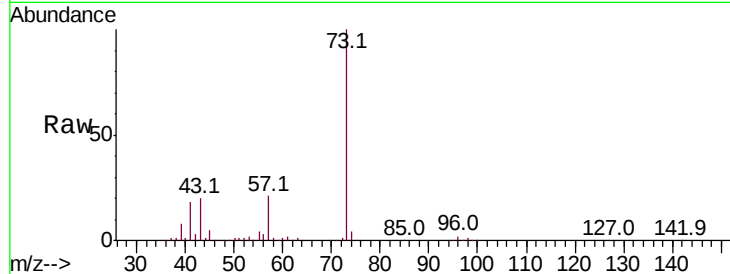
Methyl tert-butyl Ether
 Concen: 147.401 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.1	25.7

Manual Integrations
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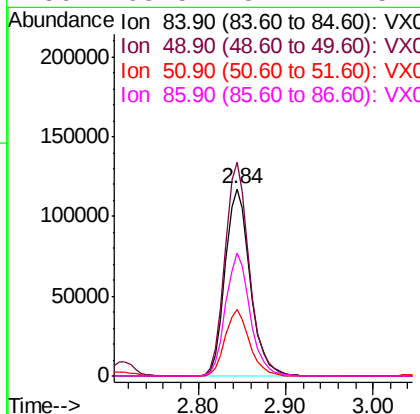
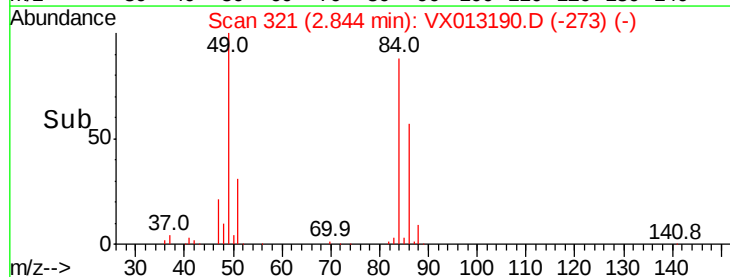
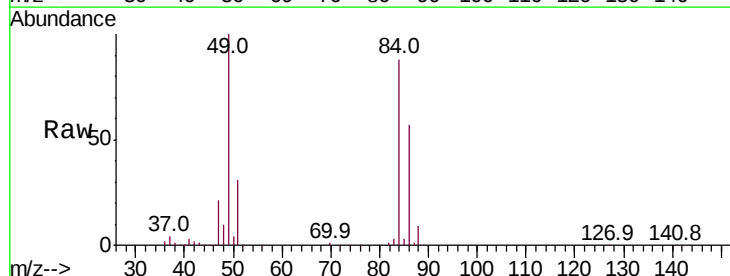
MMDadoda
 10/25/2019 4:32:58 PM

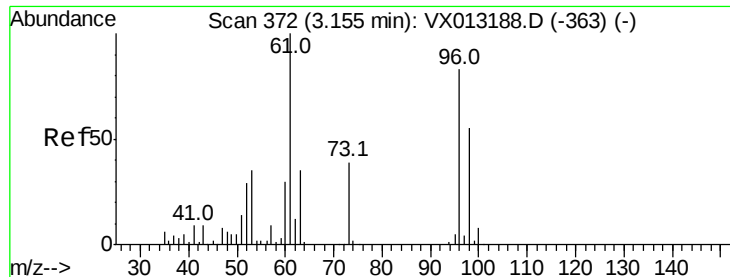


#20

Methylene Chloride
 Concen: 132.224 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.1	87.8	131.6
51	35.8	27.0	40.6
86	65.5	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 140.576 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 223361

Ion Ratio Lower Upper

96 100

61 139.4 108.1 162.1

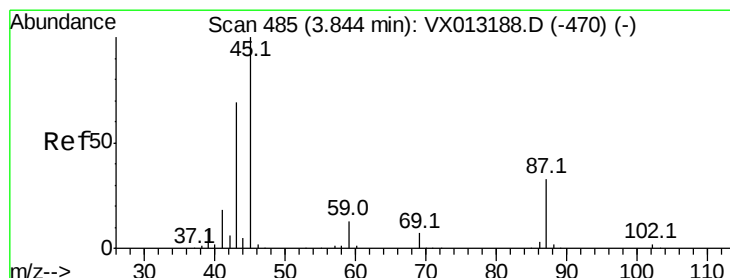
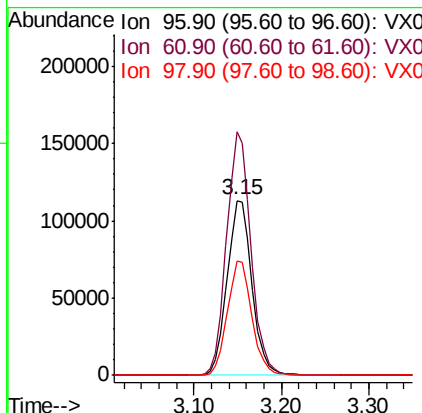
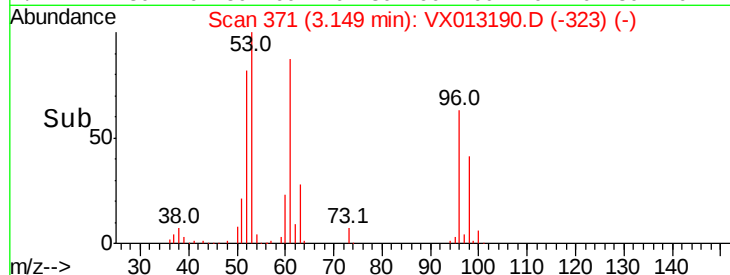
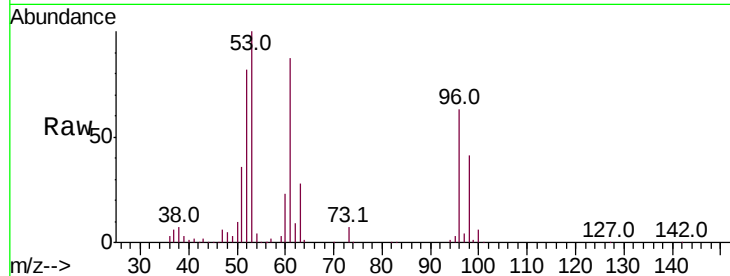
98 65.5 51.1 76.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 144.916 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion: 45 Resp: 637905

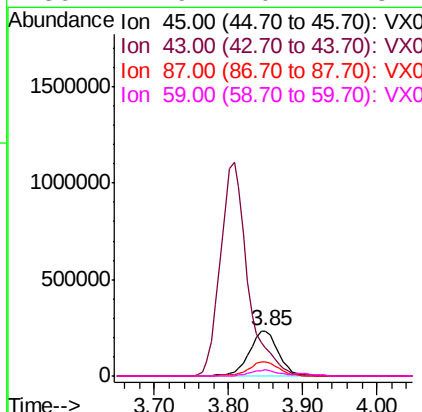
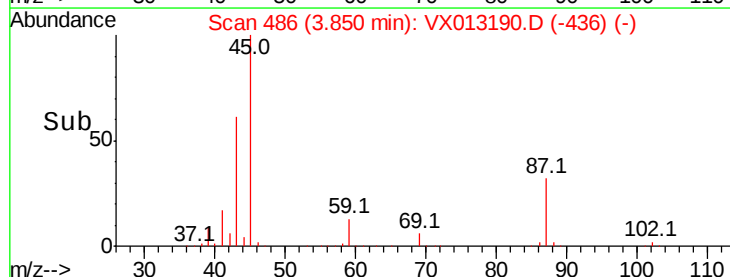
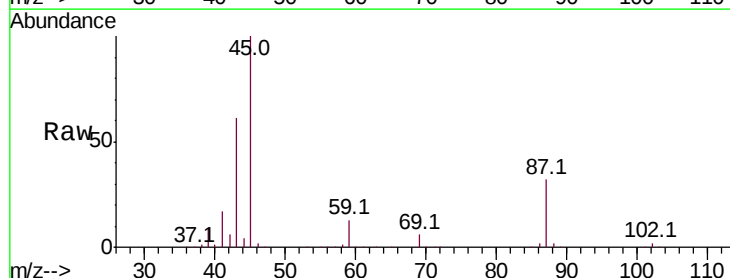
Ion Ratio Lower Upper

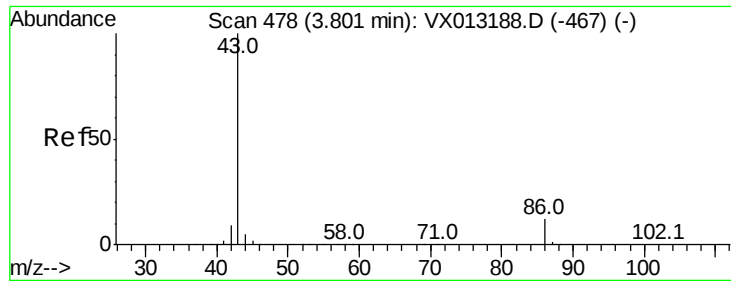
45 100

43 61.0 58.1 87.1

87 32.5 25.9 38.9

59 12.9 10.1 15.1





#23

Vinyl Acetate

Concen: 745.050 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2854035

Ion Ratio Lower Upper

43 100

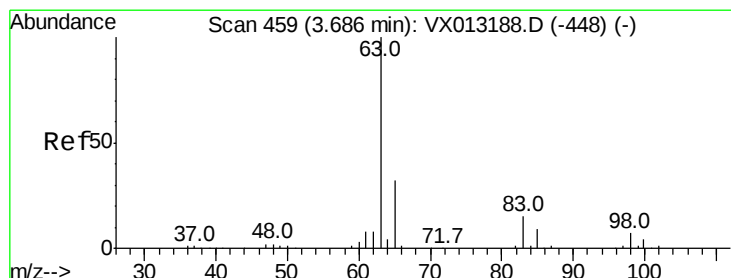
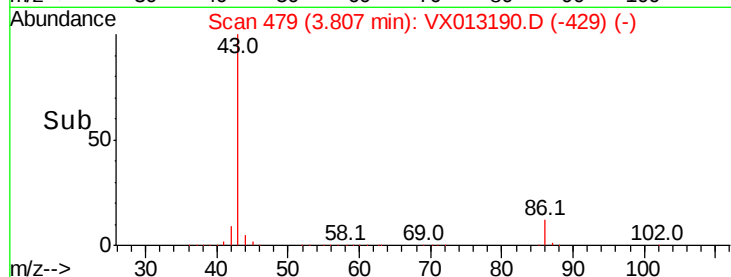
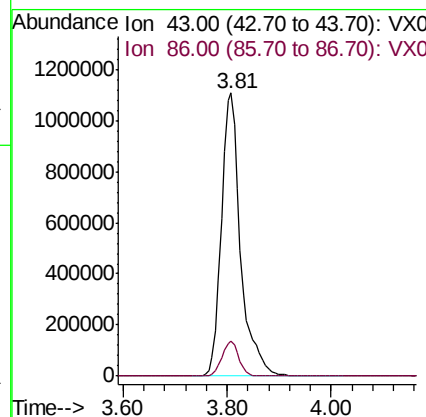
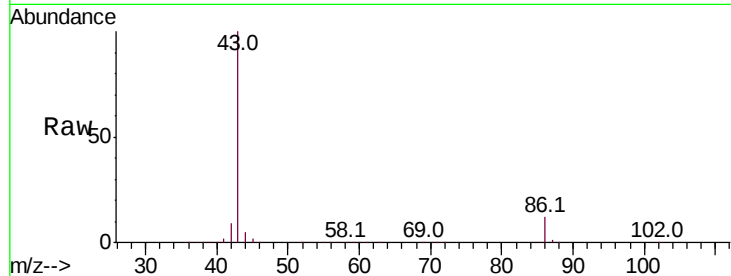
86 12.3 10.0 15.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 146.235 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

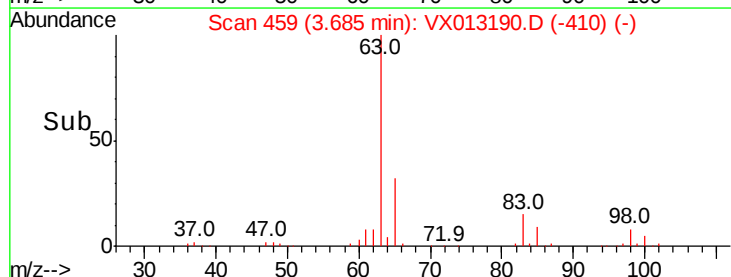
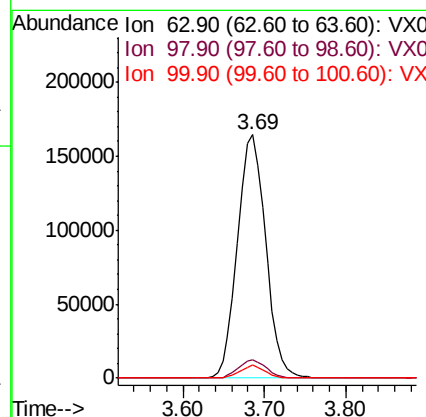
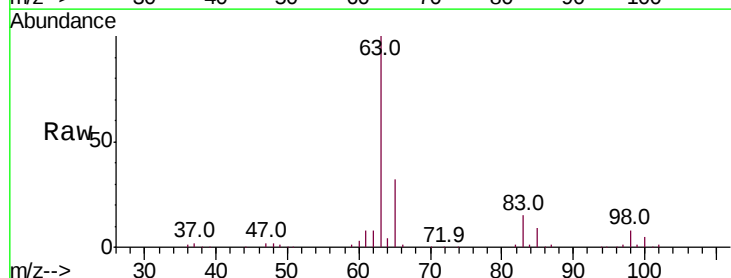
Tgt Ion: 63 Resp: 394383

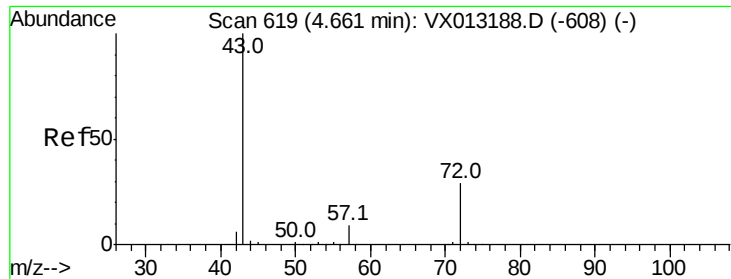
Ion Ratio Lower Upper

63 100

98 7.6 3.7 11.1

100 5.3 2.5 7.4





#25

2-Butanone

Concen: 725.202 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 829491

Ion Ratio Lower Upper

43 100

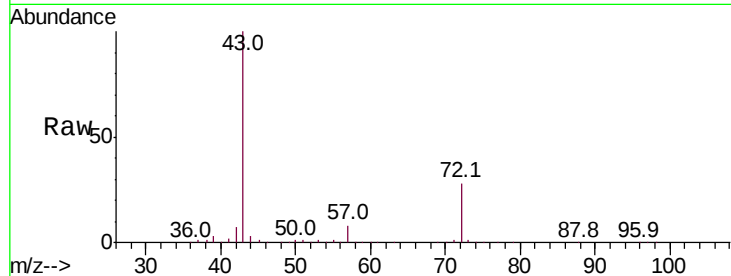
72 28.2 22.0 33.0

Manual Integrations

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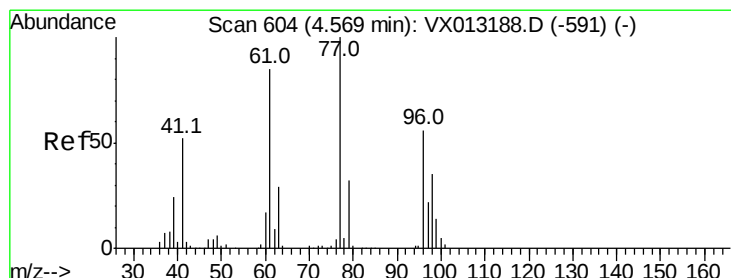
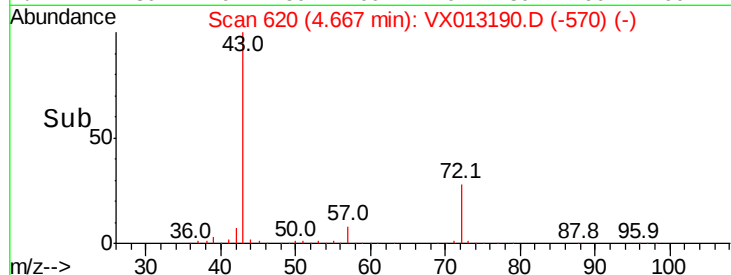
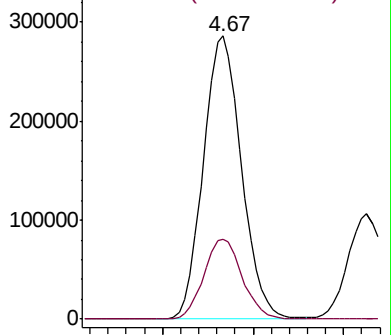
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 154.399 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013190.D

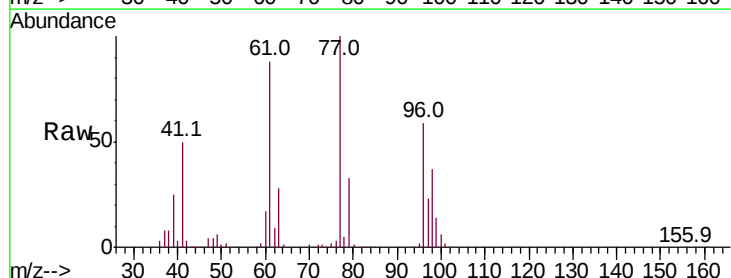
Acq: 23 Oct 2019 15:08

Tgt Ion: 77 Resp: 375153

Ion Ratio Lower Upper

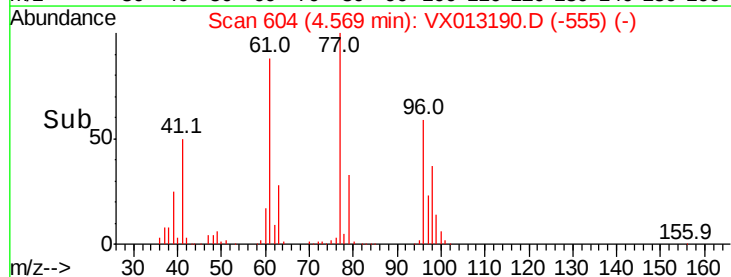
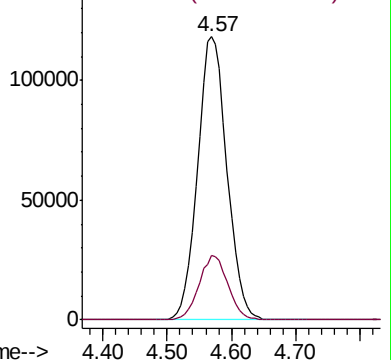
77 100

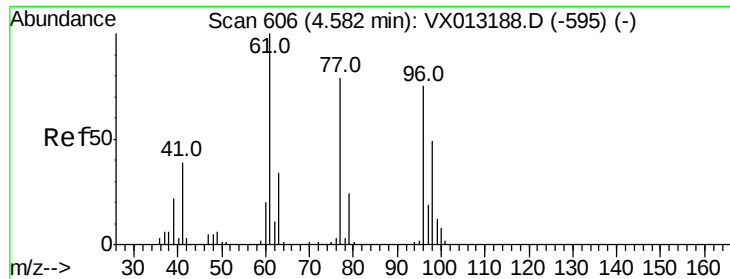
97 22.4 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

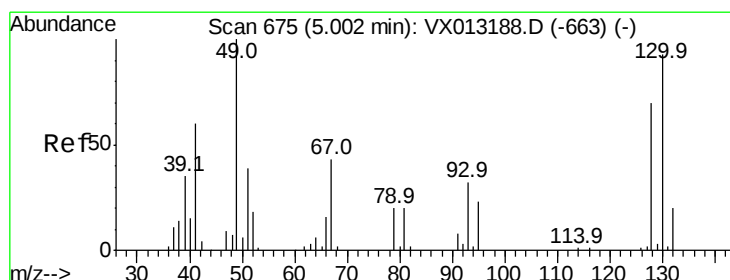
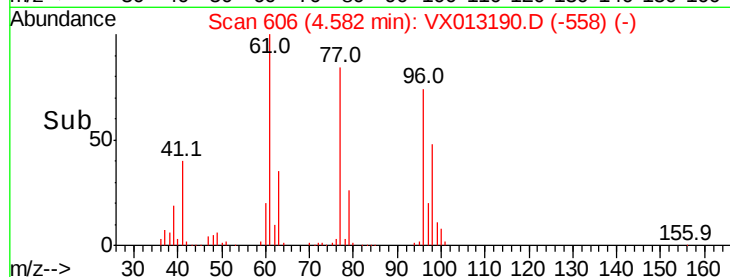
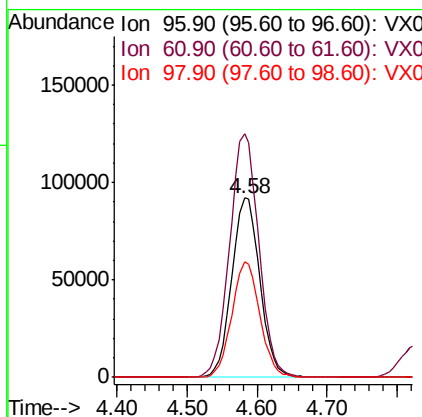
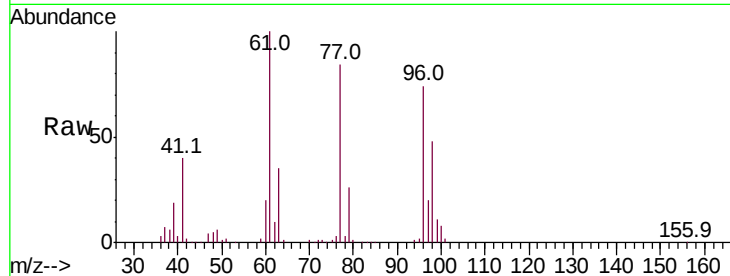
cis-1,2-Dichloroethene
Concen: 145.014 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	288.0
98	64.1	0.0	131.2

Manual Integrations
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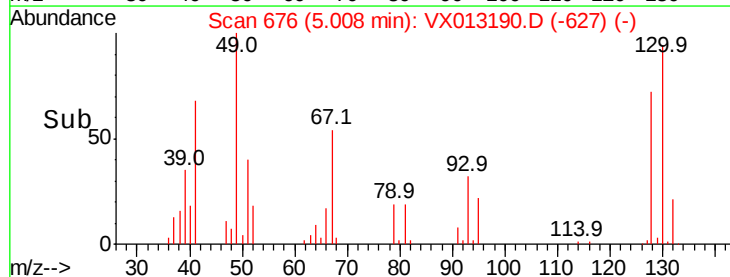
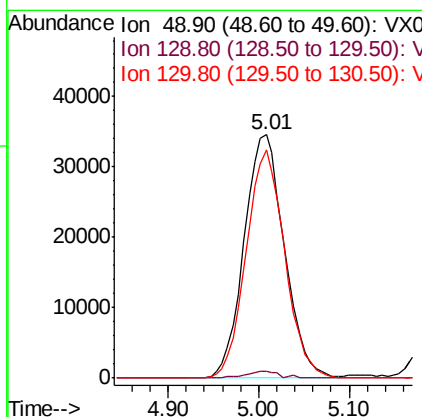
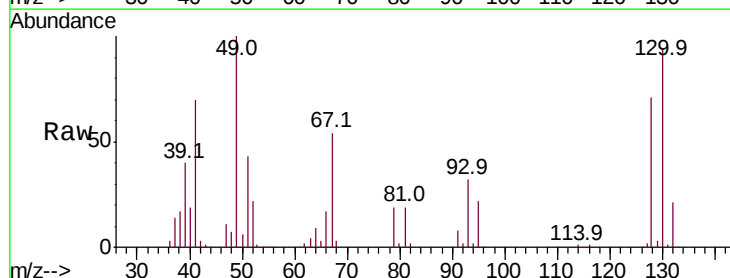
MMDadoda
10/25/2019 4:32:58 PM

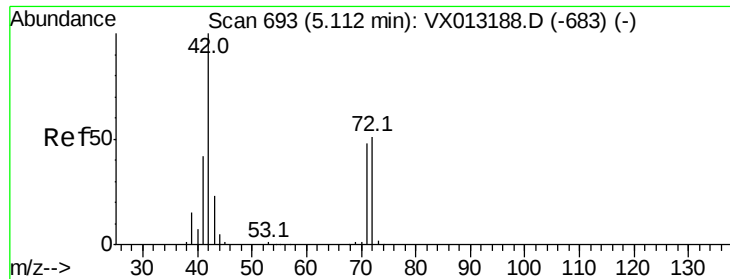


#28

Bromochloromethane
Concen: 147.262 ug/l
RT: 5.01 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.8
130	89.8	71.5	107.3





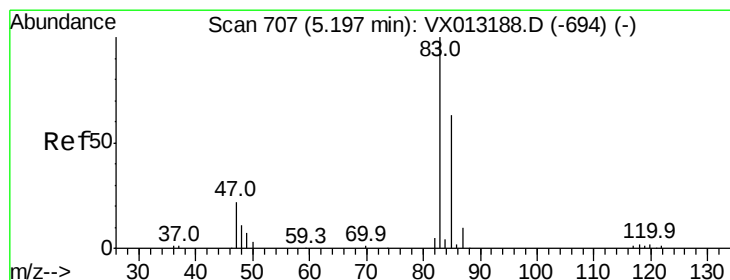
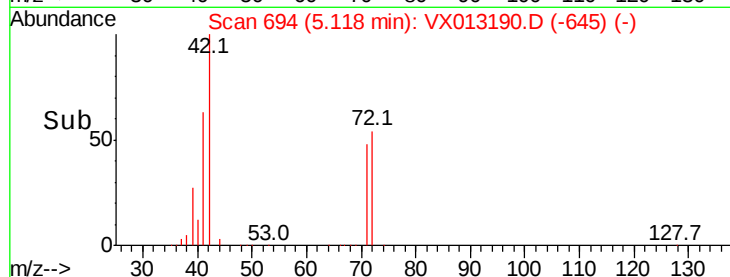
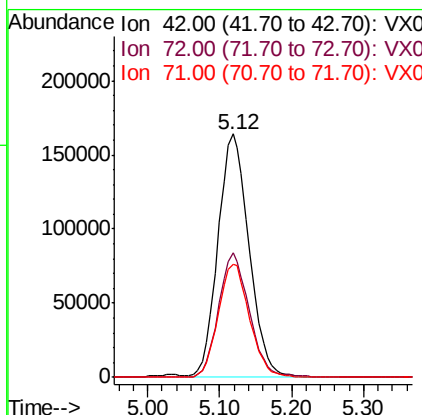
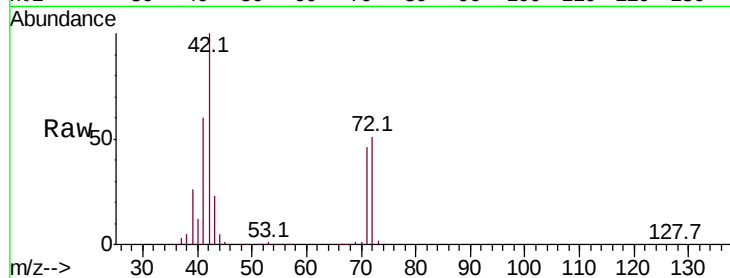
#29
Tetrahydrofuran
Concen: 714.138 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	40.2	60.2
71	46.9	37.0	55.6

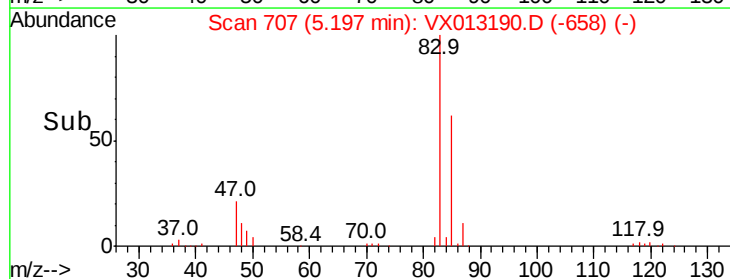
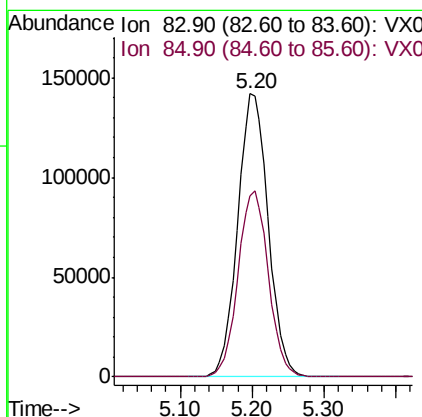
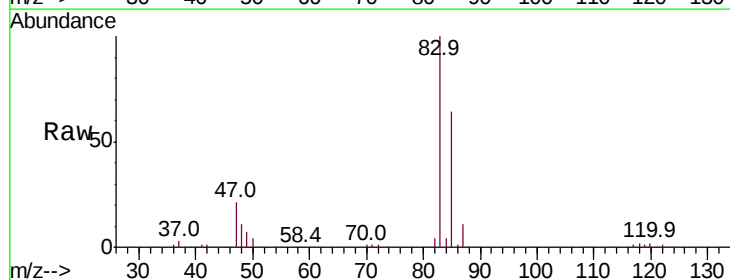
Manual Integrations
APPROVED

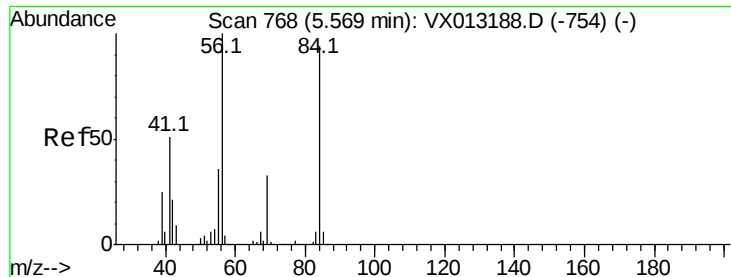
MMDadoda
10/25/2019 4:32:58 PM



#30
Chloroform
Concen: 143.306 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.7	76.1





#31

Cyclohexane

Concen: 146.151 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 341889

Ion Ratio Lower Upper

56 100

69 33.4 25.9 38.9

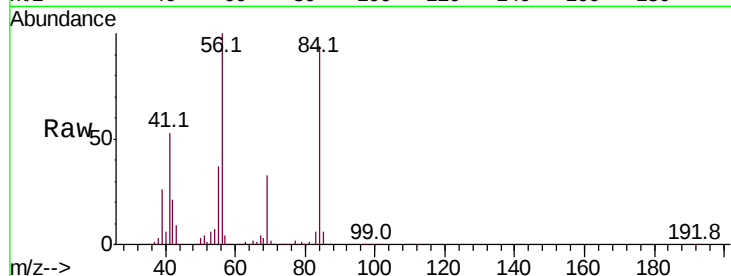
84 92.6 70.8 106.2

Manual Integrations

APPROVED

MMDadoda

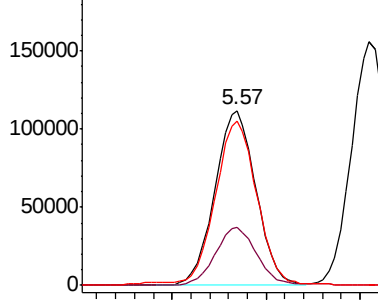
10/25/2019 4:32:58 PM



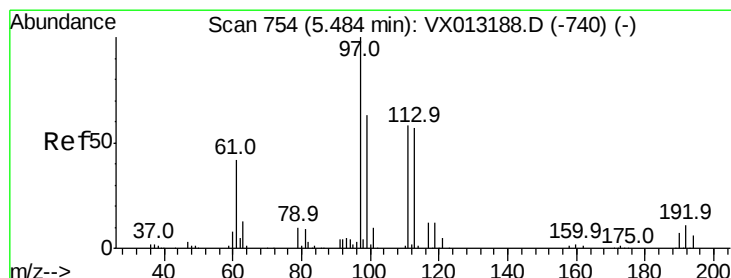
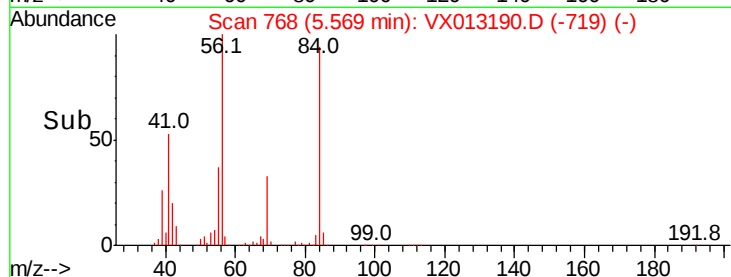
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->



#32

1,1,1-Trichloroethane

Concen: 150.370 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

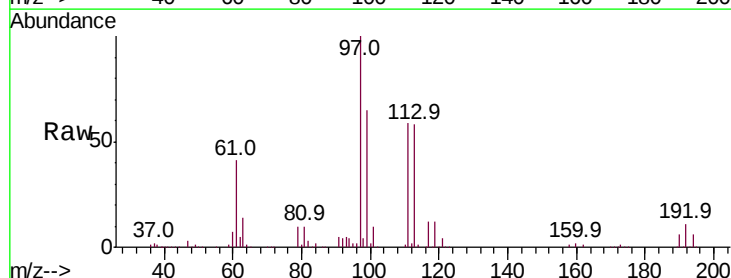
Tgt Ion: 97 Resp: 393165

Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

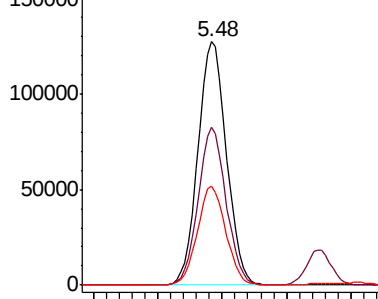
61 40.6 32.6 48.8



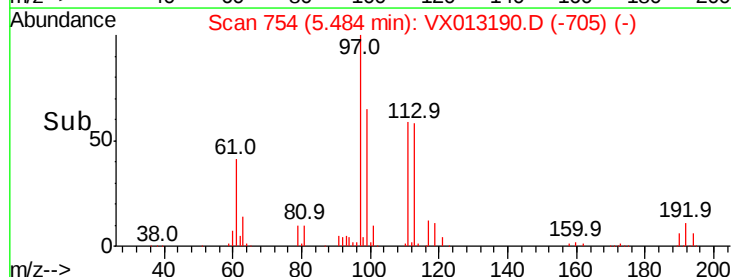
Abundance Ion 96.90 (96.60 to 97.60): VX0

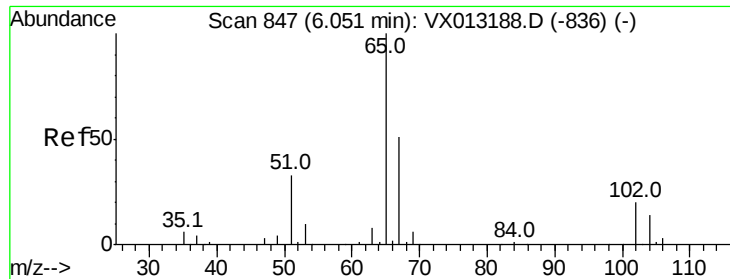
Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



Time-->





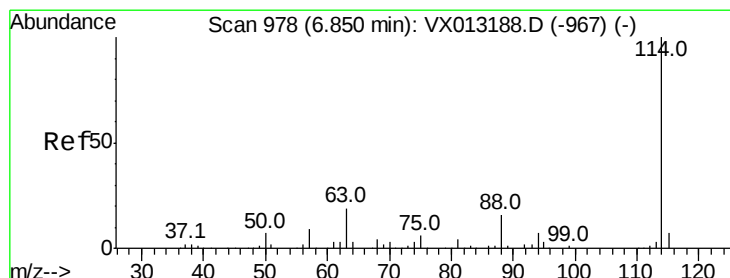
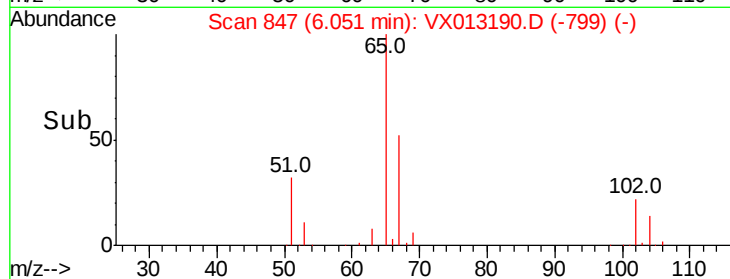
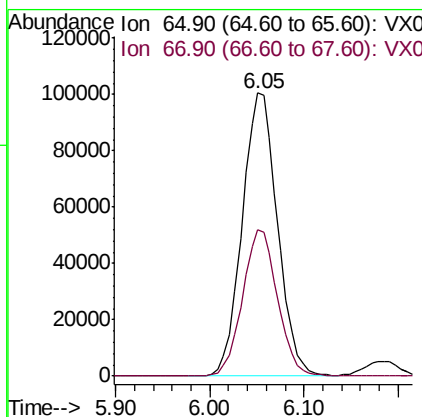
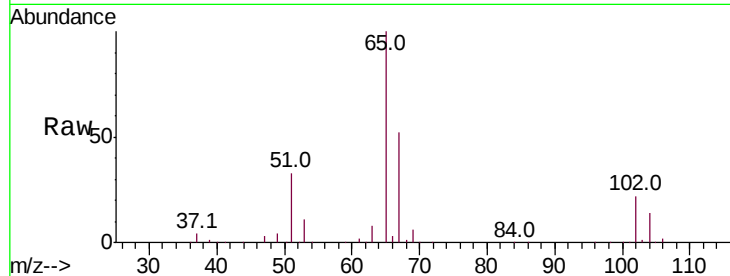
#33
 1,2-Dichloroethane-d4
 Concen: 146.000 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	263755		
67	51.1	0.0	101.6	

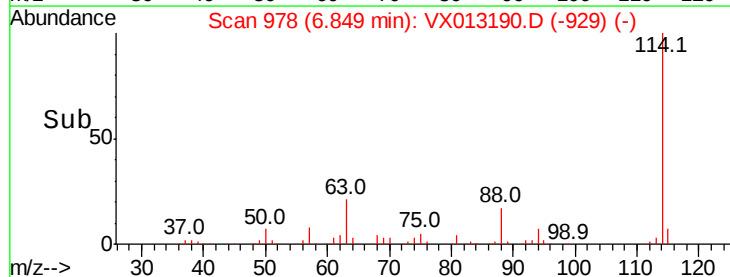
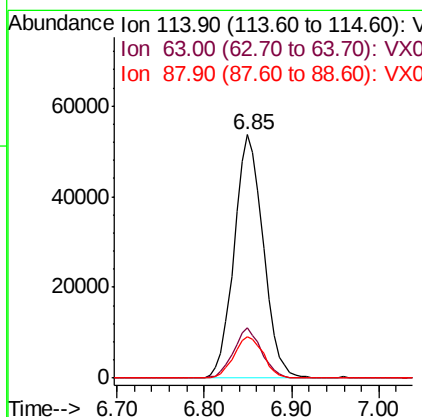
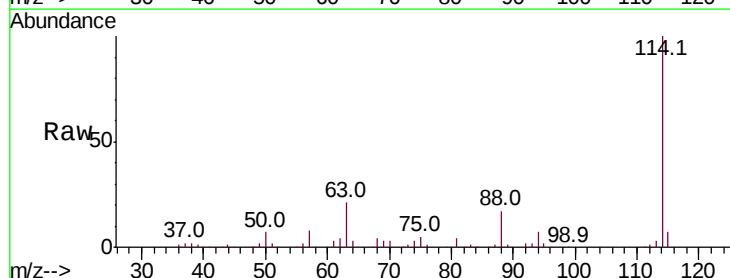
Manual Integrations
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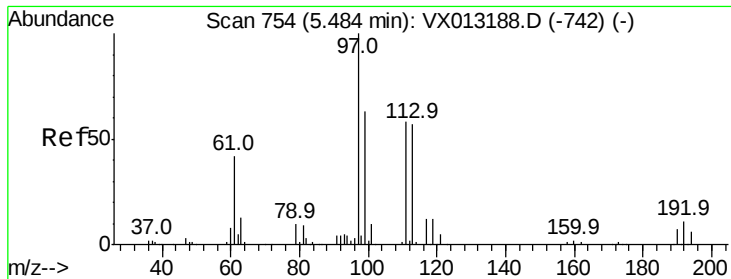
MMDadoda
 10/25/2019 4:32:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	124376		
63	20.7	0.0	39.6	
88	17.2	0.0	30.6	





#35

Dibromofluoromethane

Concen: 147.591 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

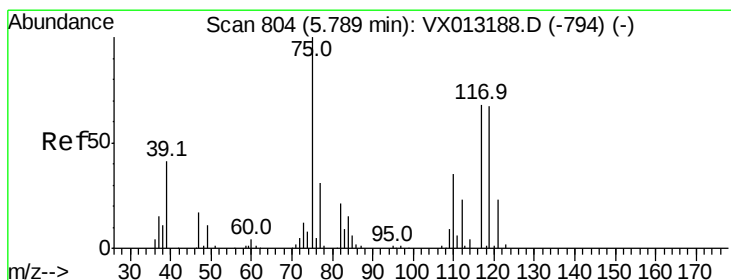
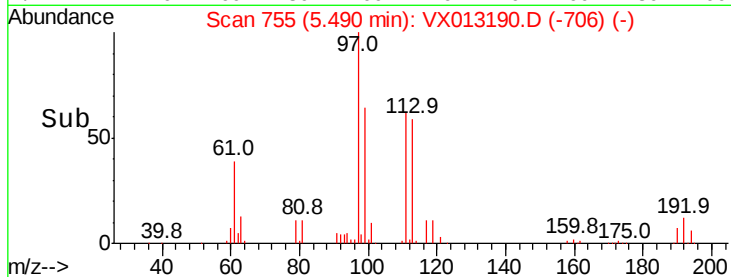
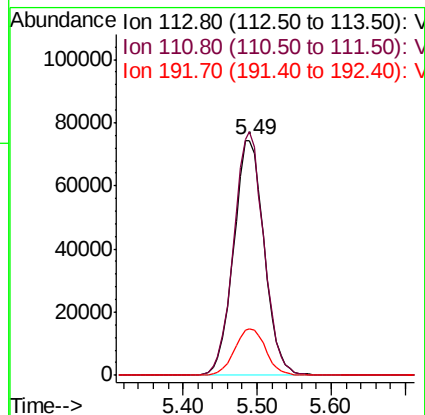
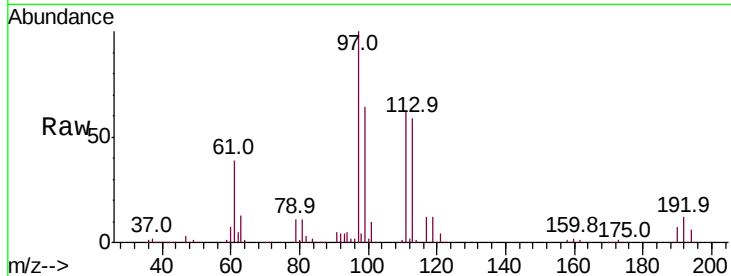
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	214130
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.0	123.0
192	20.3	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 140.646 ug/l

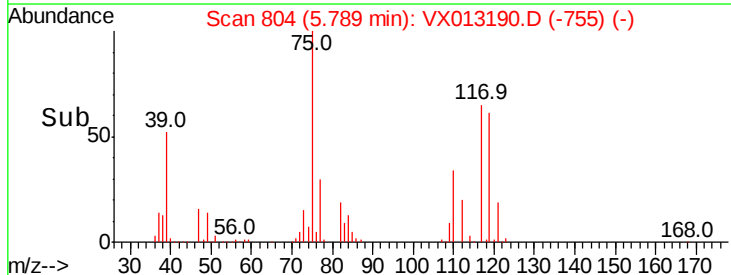
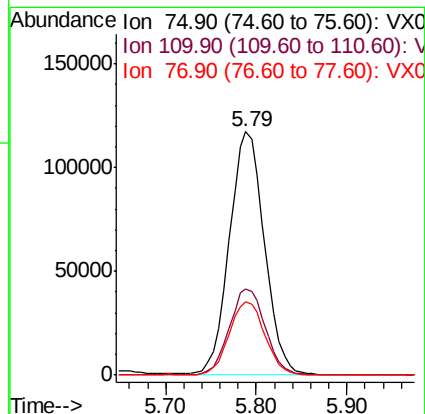
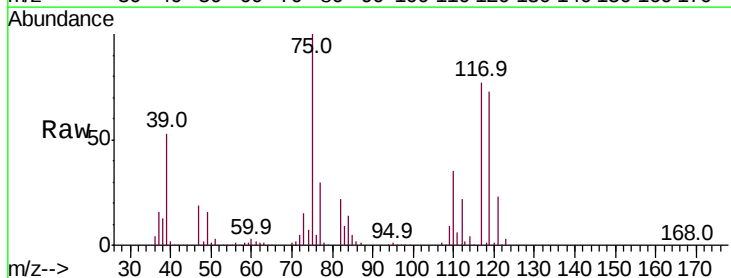
RT: 5.79 min Scan# 804

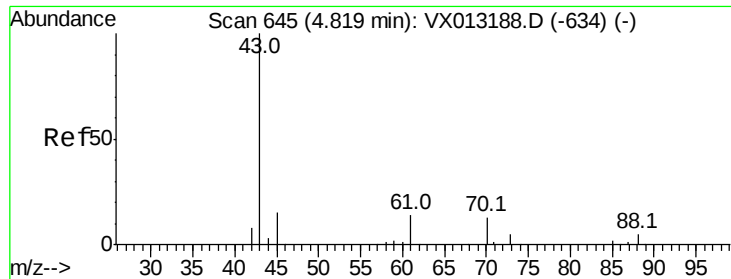
Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion:	75	Resp:	313445
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.1
77	31.0	25.2	37.8





#37

Ethyl Acetate

Concen: 138.476 ug/l

RT: 4.83 min Scan# 646

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

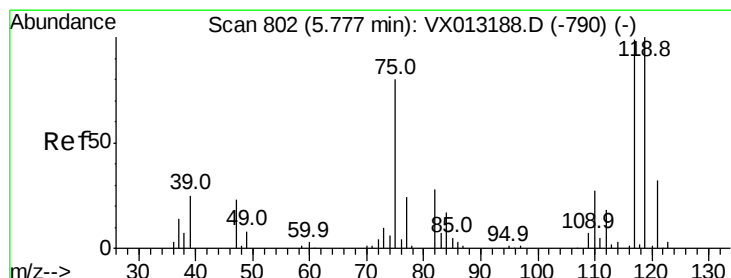
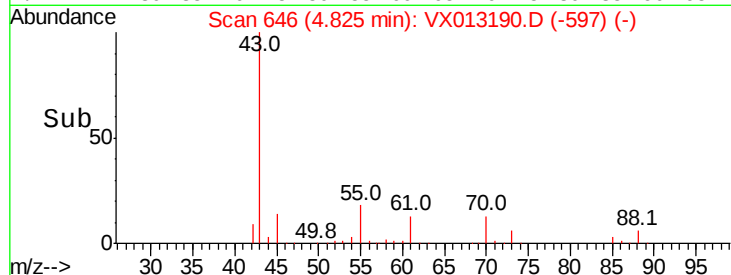
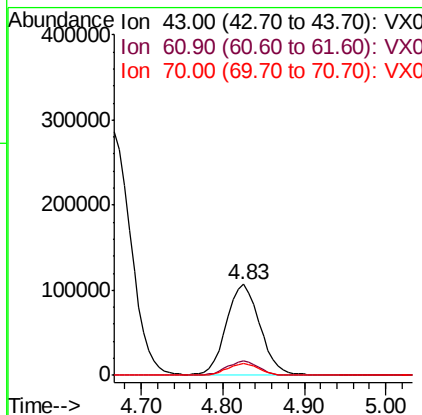
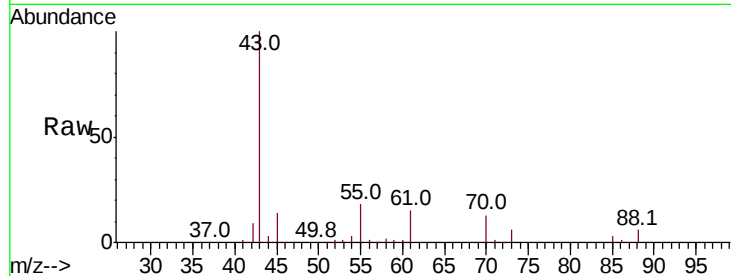
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	304917
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.7	17.5
70	12.9	10.0	15.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 151.605 ug/l

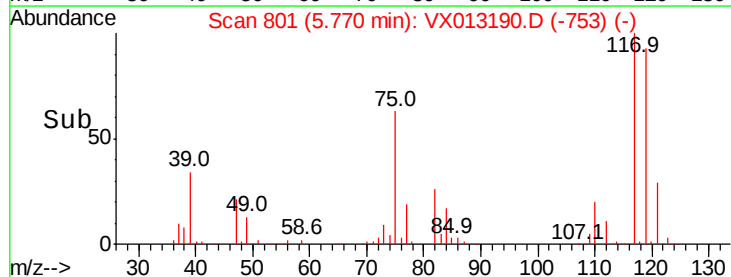
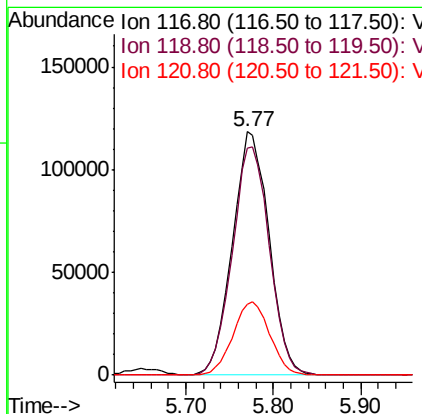
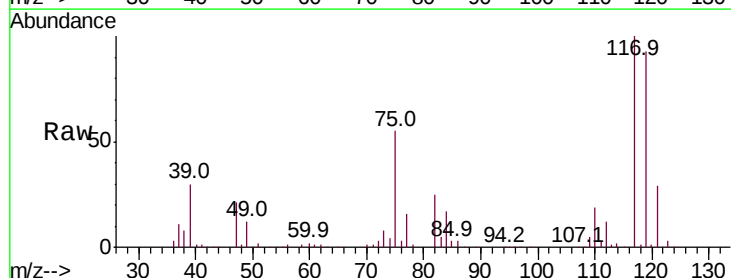
RT: 5.77 min Scan# 801

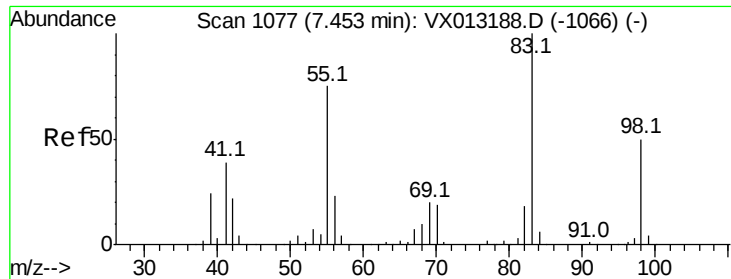
Delta R.T. -0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion:	117	Resp:	344622
Ion	Ratio	Lower	Upper
117	100		
119	93.2	73.8	110.6
121	29.0	24.3	36.5





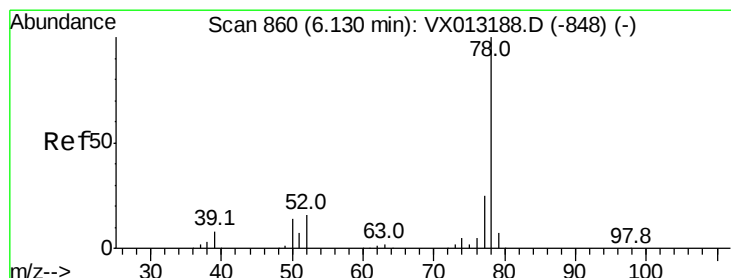
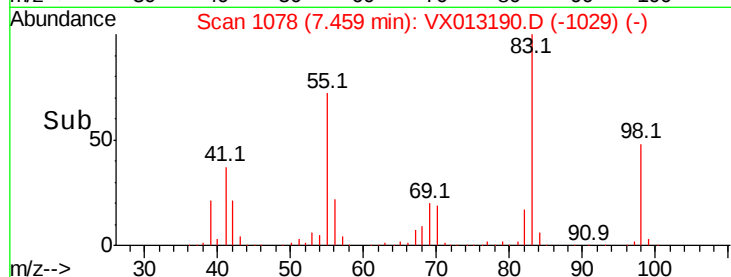
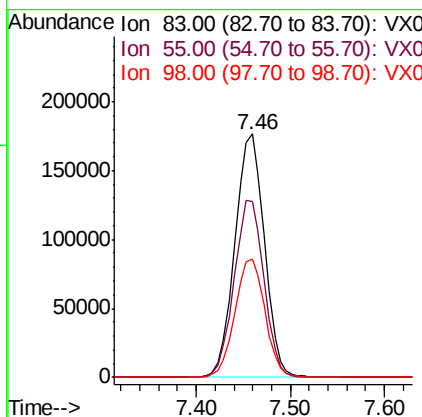
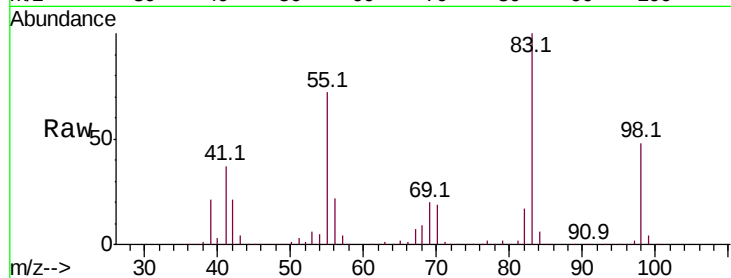
#39
Methvlcvclohexane
Concen: 145.213 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	60.3	90.5
98	48.3	40.6	61.0

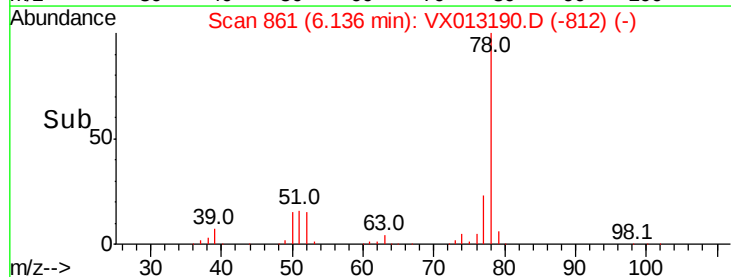
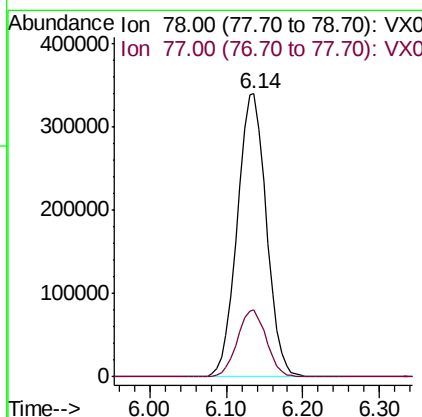
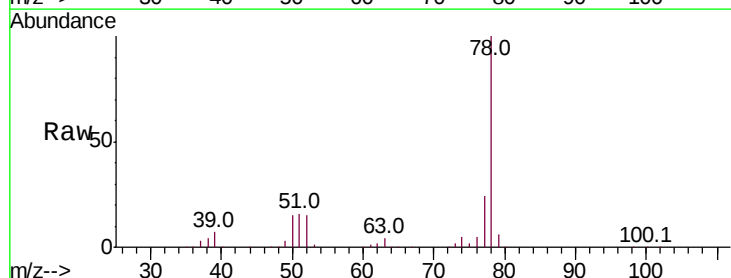
Manual Integrations
APPROVED

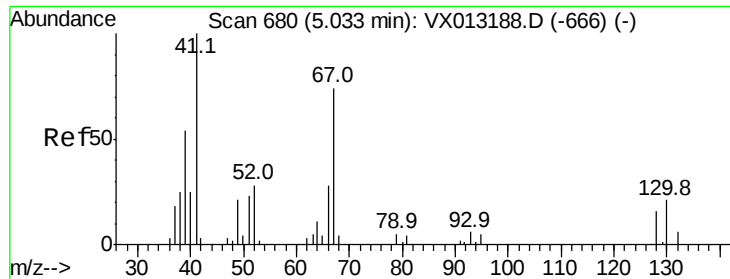
MMDadoda
10/25/2019 4:32:58 PM



#40
Benzene
Concen: 141.585 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.0	27.0





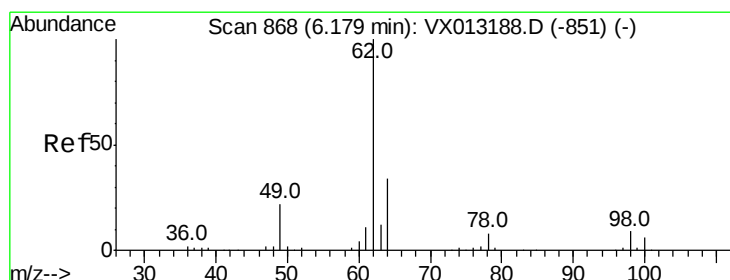
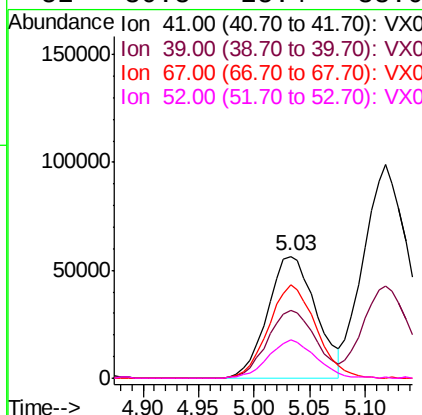
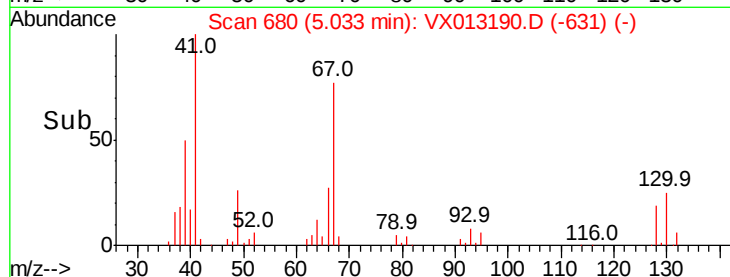
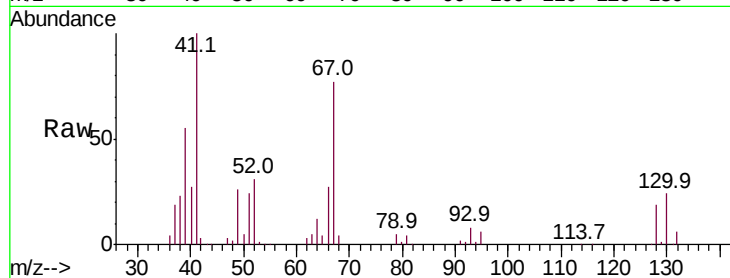
#41
Methacrylonitrile
Concen: 146.240 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	43.3	64.9	
67	75.3	62.5	93.7	
52	30.8	25.4	38.0	

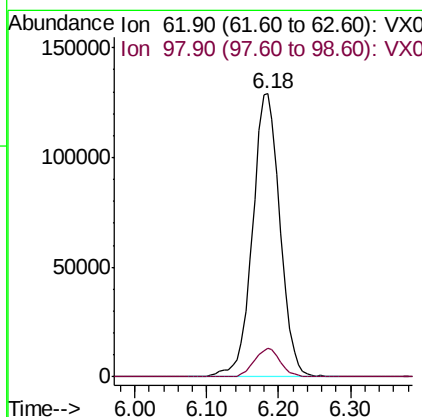
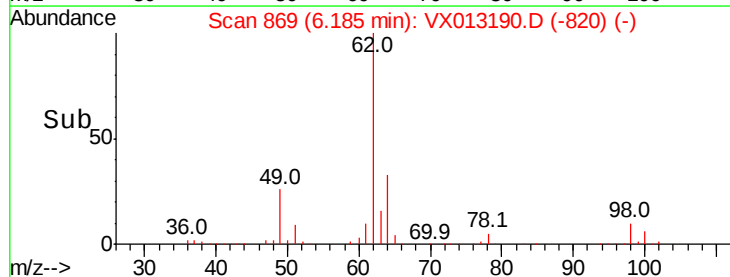
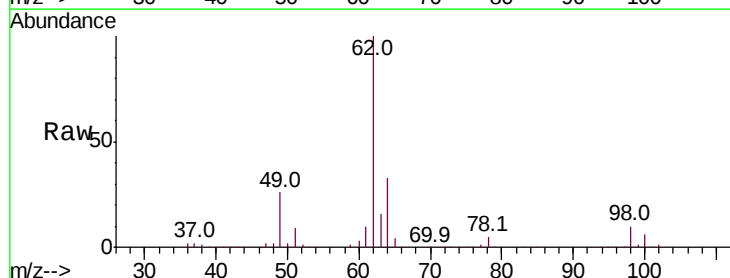
Manual Integrations
APPROVED

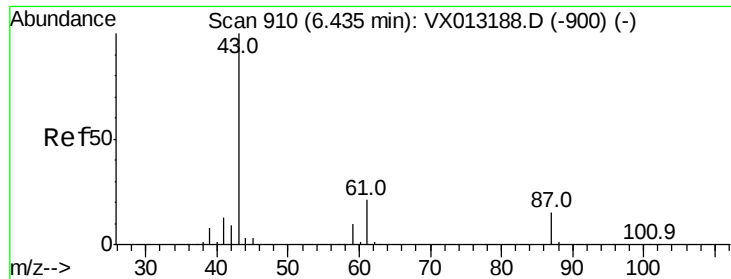
MMDadoda
10/25/2019 4:32:58 PM



#42
1,2-Dichloroethane
Concen: 143.708 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.0	





#43

Isopropyl Acetate

Concen: 149.383 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

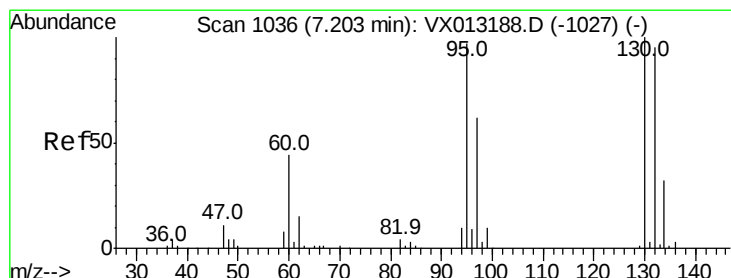
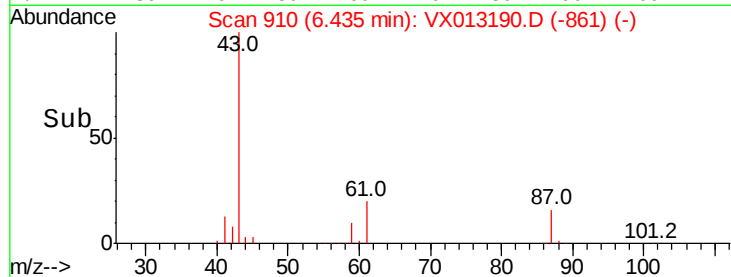
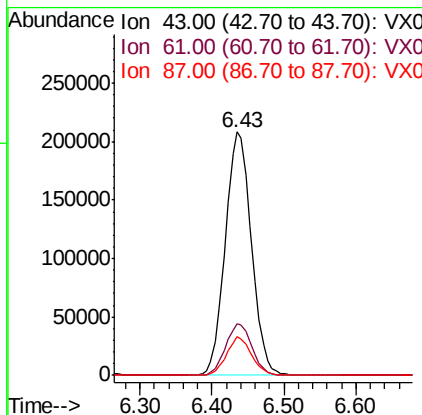
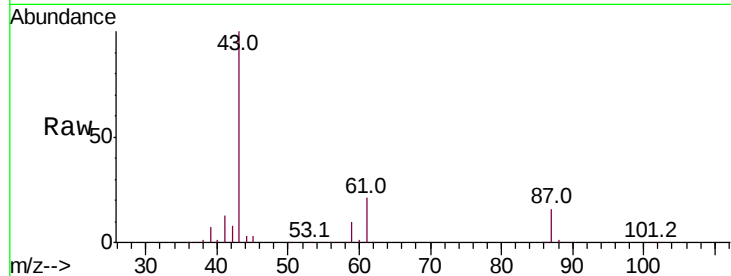
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	524798
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.8	25.2
87	15.2	12.2	18.2

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#44

Trichloroethene

Concen: 141.539 ug/l

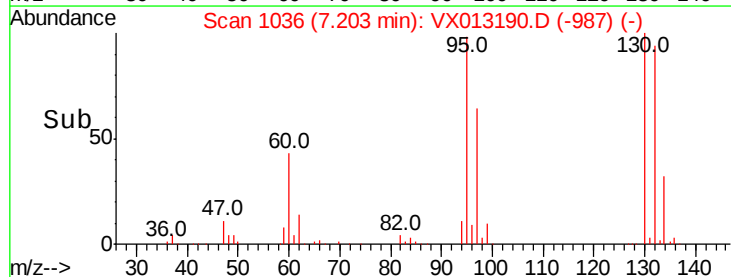
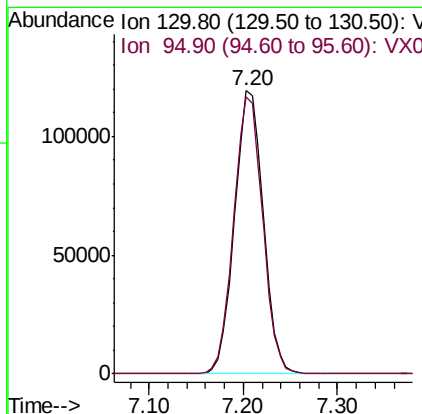
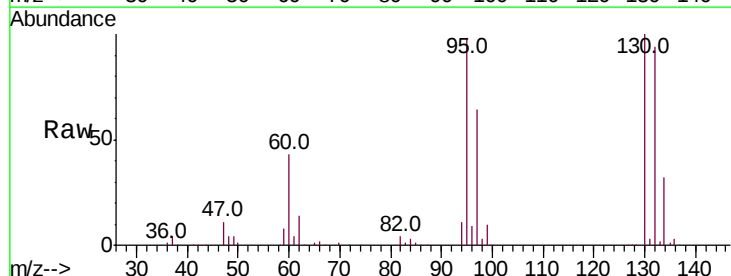
RT: 7.20 min Scan# 1036

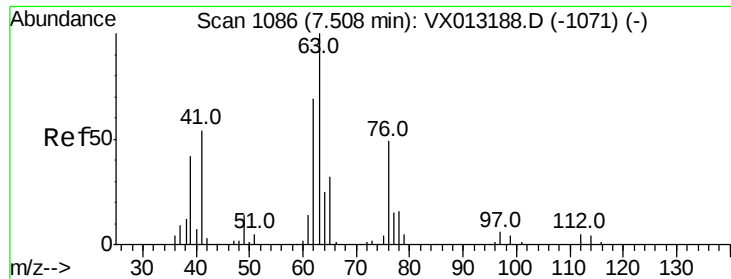
Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion:	130	Resp:	254107
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	190.8





#45

1,2-Dichloropropane

Concen: 142.521 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 224168

Ion Ratio Lower Upper

63 100

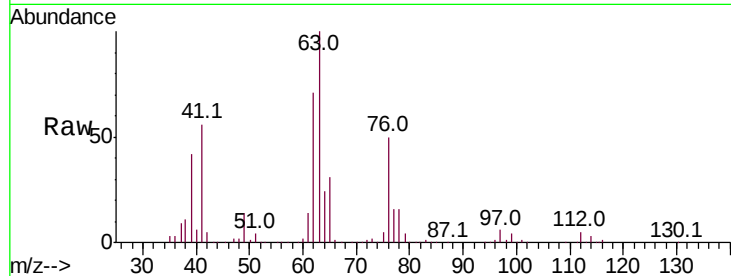
65 31.5 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

120000

100000

80000

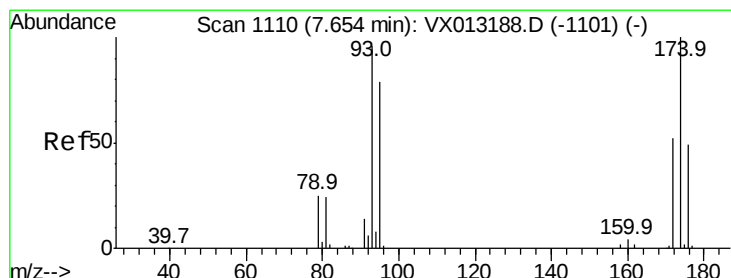
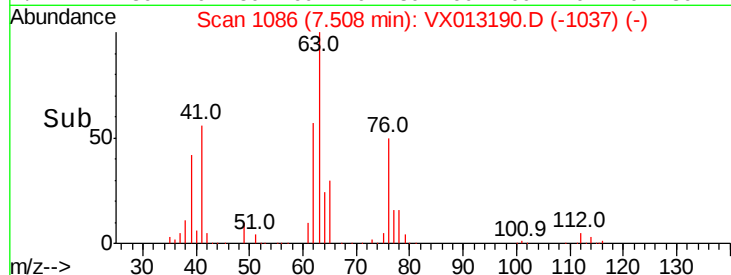
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 146.375 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

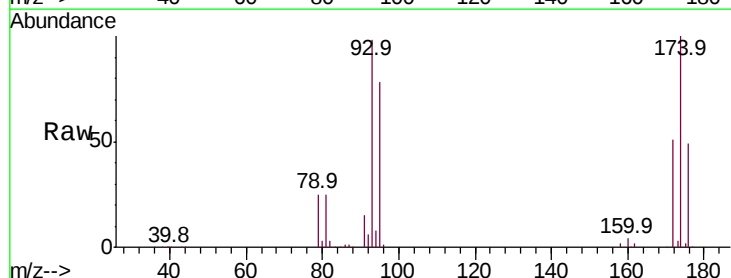
Tgt Ion: 93 Resp: 162497

Ion Ratio Lower Upper

93 100

95 82.4 66.1 99.1

174 104.1 83.0 124.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

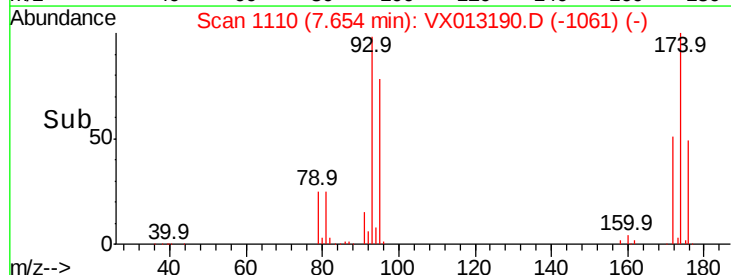
60000

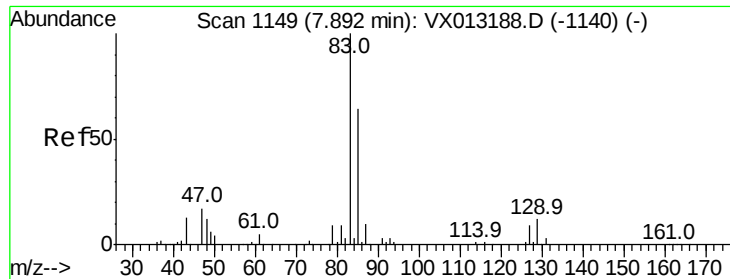
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 155.125 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

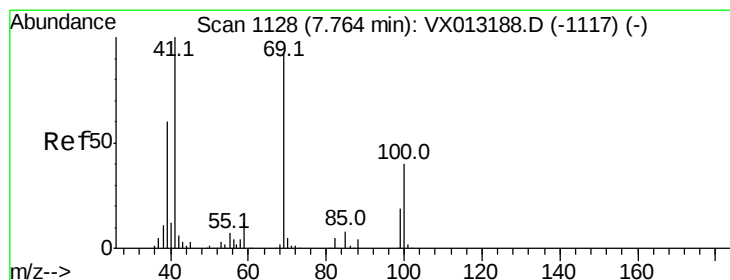
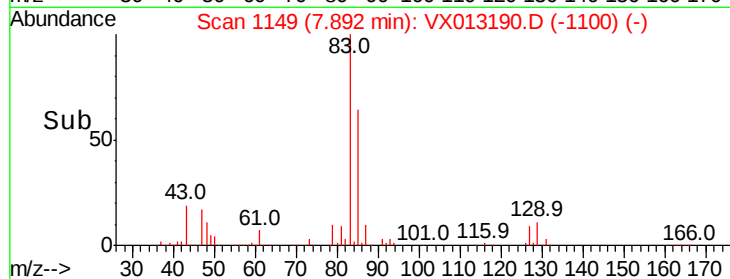
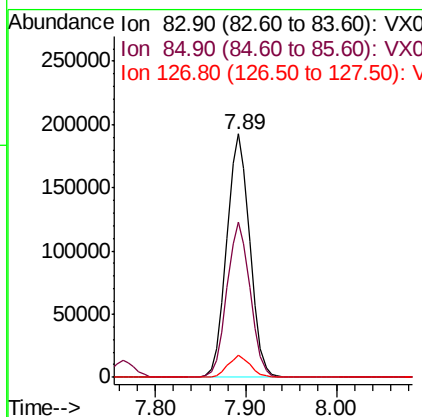
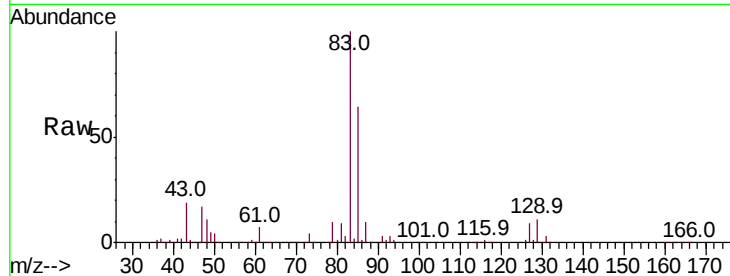
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	339327
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.9	76.3
127	8.9	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 152.527 ug/l

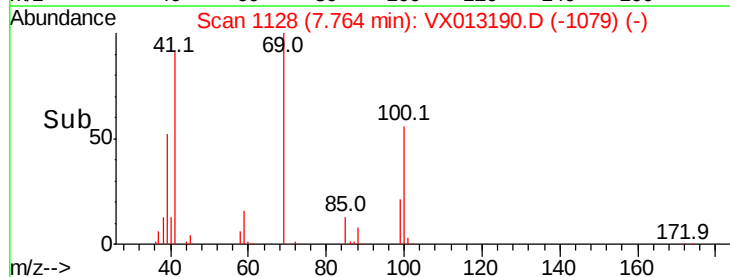
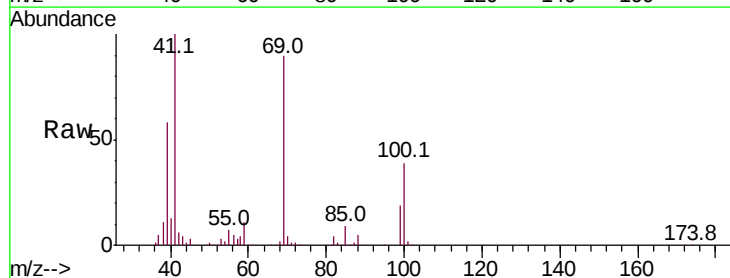
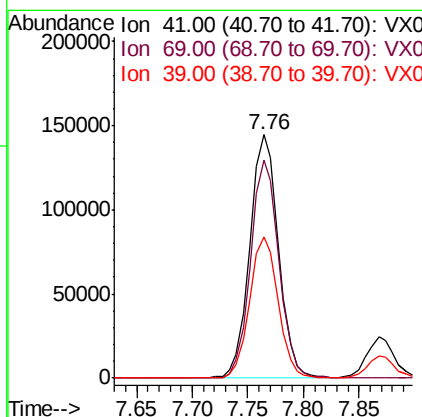
RT: 7.76 min Scan# 1128

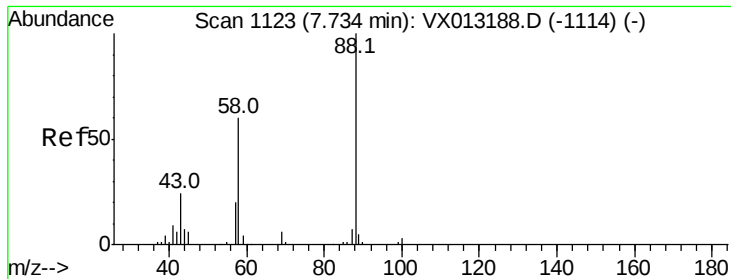
Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion:	41	Resp:	259862
Ion Ratio	Lower	Upper	
41	100		
69	88.5	72.2	108.4
39	57.8	45.6	68.4





#49

1,4-Dioxane

Concen: 2607.087 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

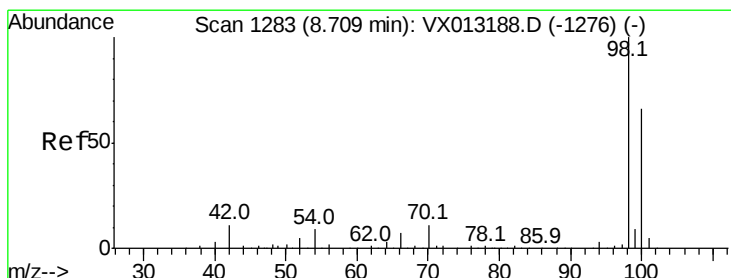
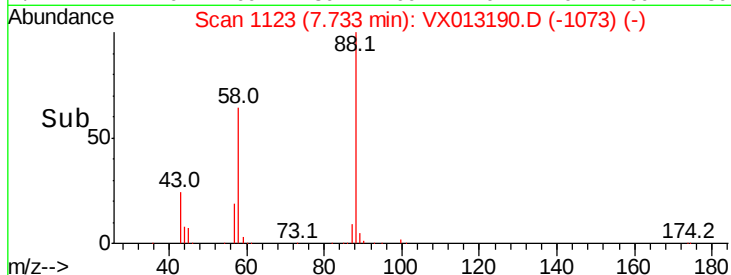
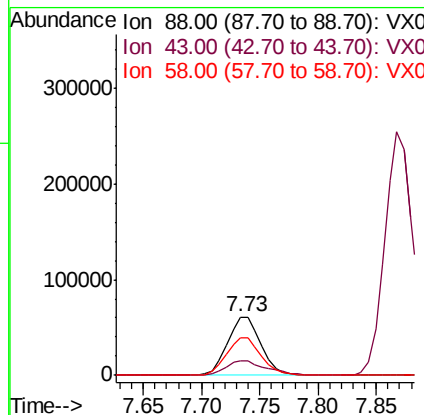
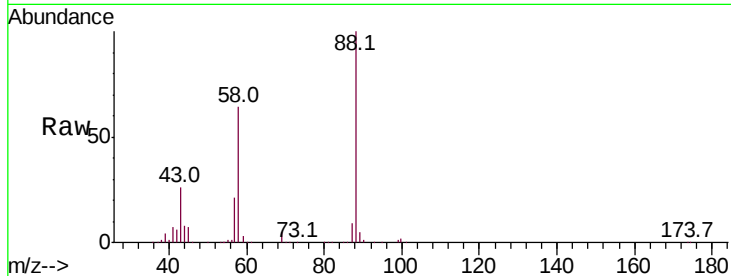
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	120974
Ion	Ratio	Lower	Upper
88	100		
43	30.5	24.4	36.6
58	67.2	52.2	78.4

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#50

Toluene-d8

Concen: 148.291 ug/l

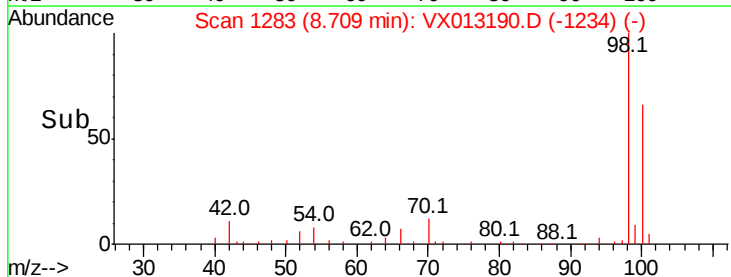
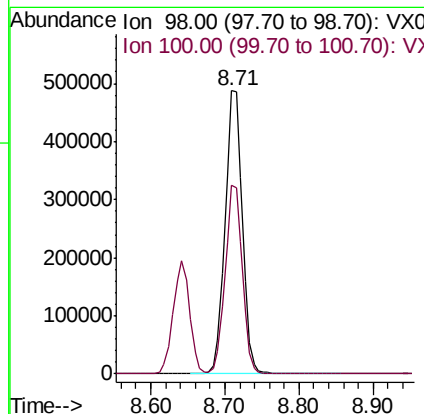
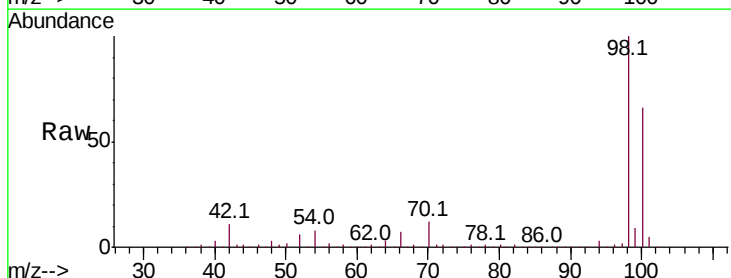
RT: 8.71 min Scan# 1283

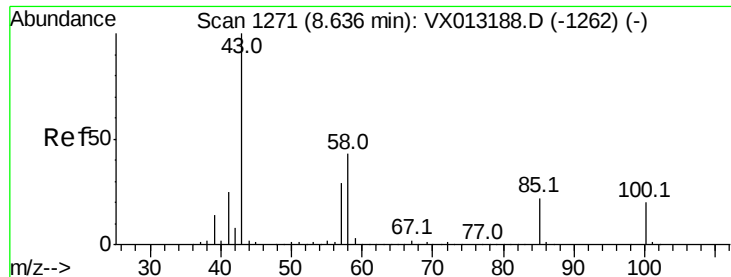
Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion:	98	Resp:	785959
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 728.945 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1569400

Ion Ratio Lower Upper

43 100

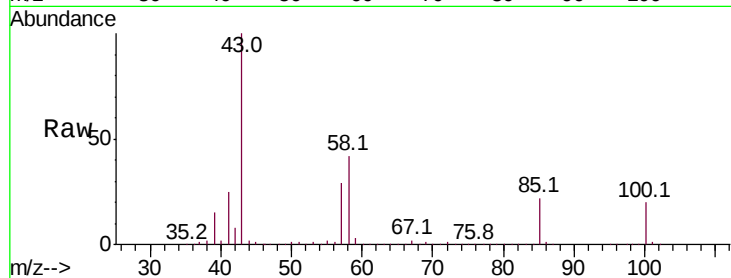
58 42.0 33.5 50.3

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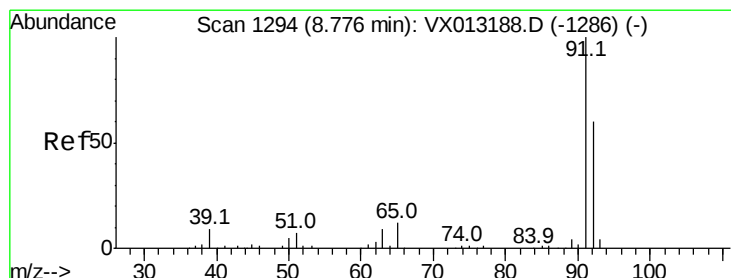
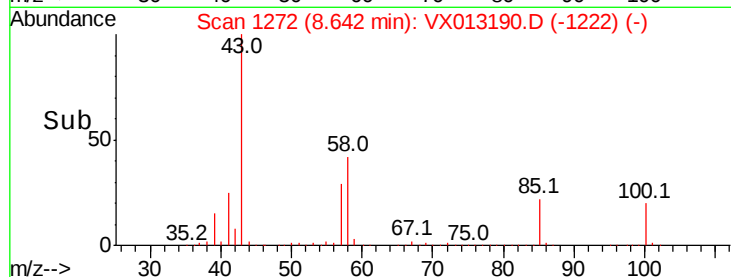
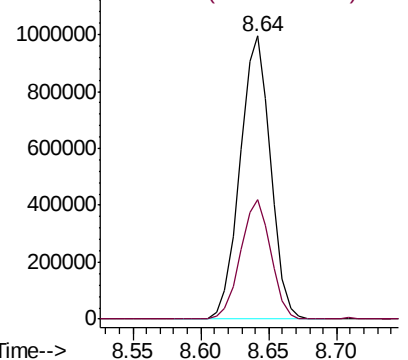
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 144.190 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013190.D

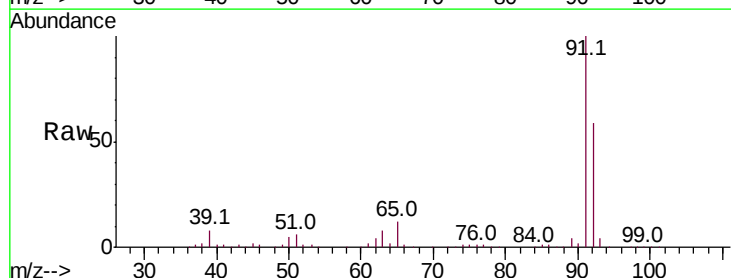
Acq: 23 Oct 2019 15:08

Tgt Ion: 92 Resp: 589585

Ion Ratio Lower Upper

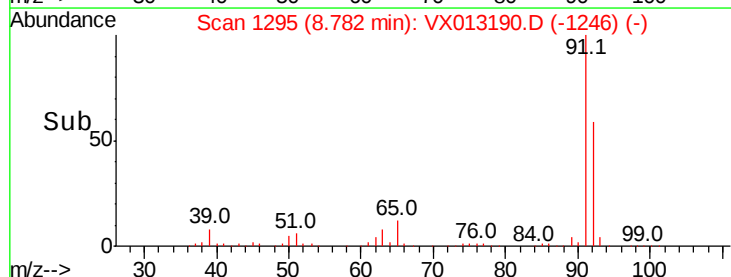
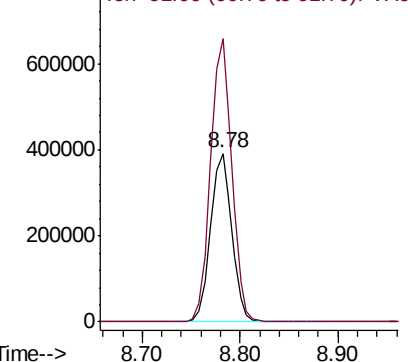
92 100

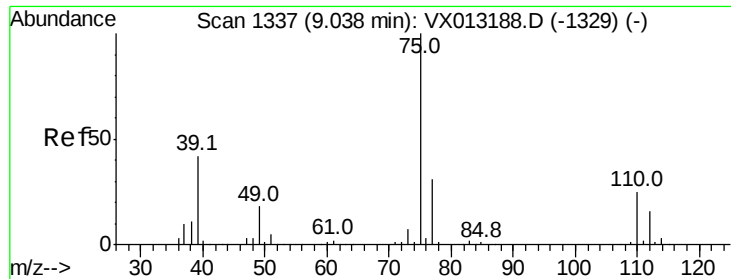
91 168.7 133.4 200.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





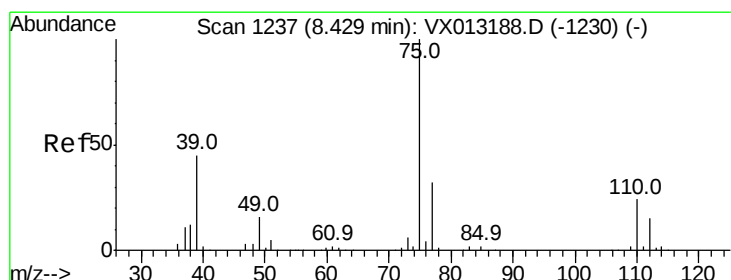
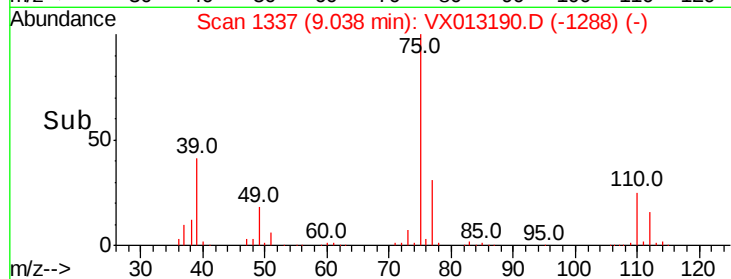
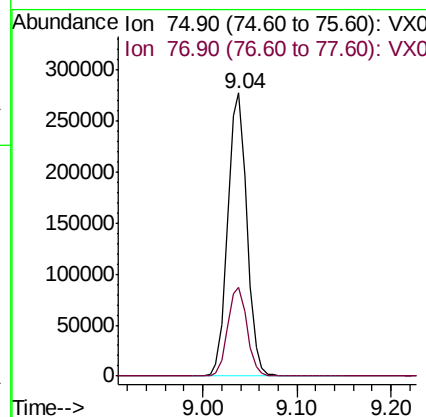
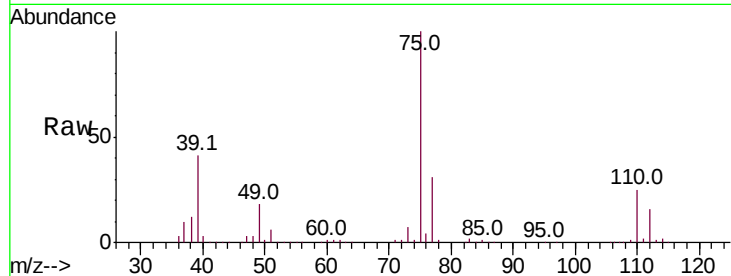
#53
t-1,3-Dichloropropene
Concen: 166.745 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 390594
Ion Ratio Lower Upper
75 100
77 31.3 24.7 37.1

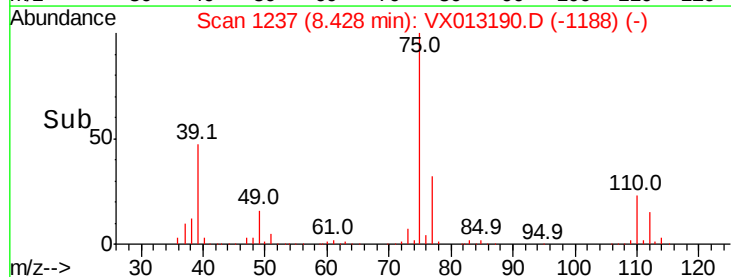
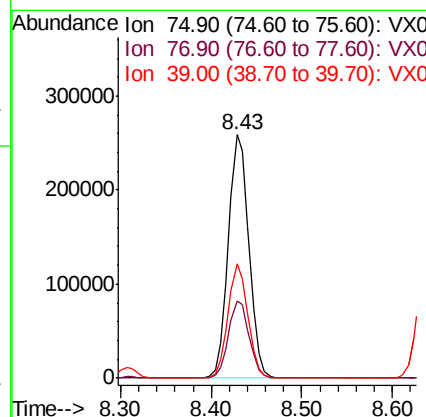
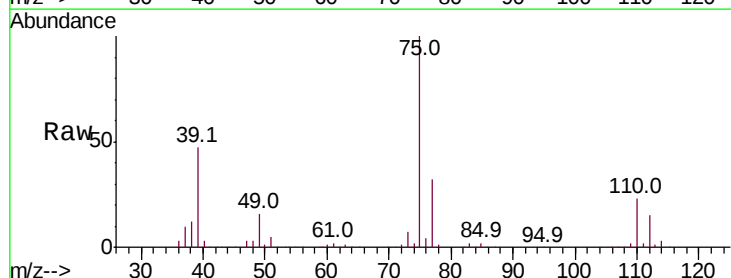
Manual Integrations
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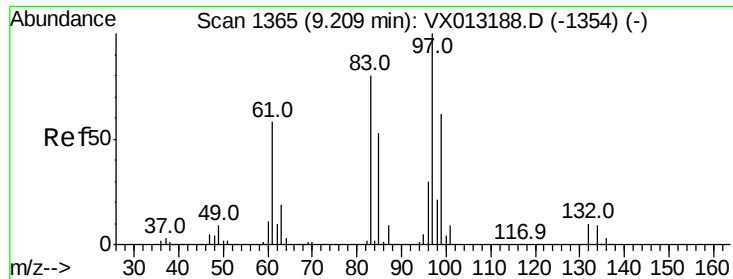
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#54
cis-1,3-Dichloropropene
Concen: 157.838 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion: 75 Resp: 407844
Ion Ratio Lower Upper
75 100
77 31.6 26.4 39.6
39 47.1 36.6 55.0





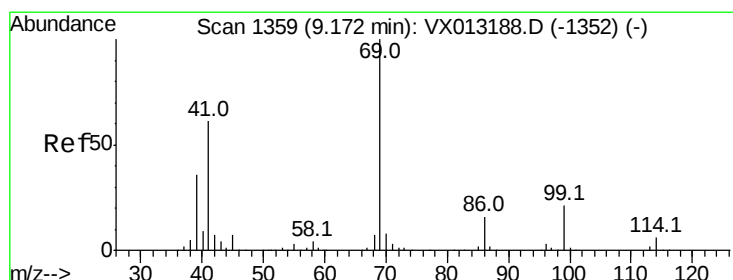
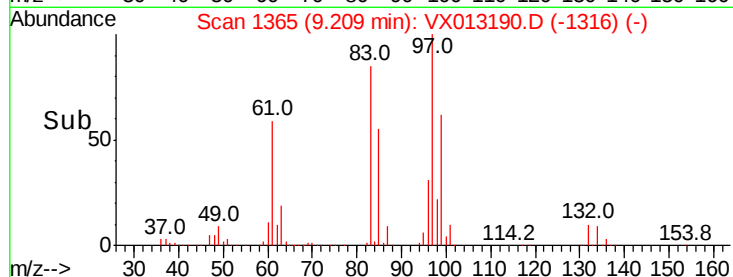
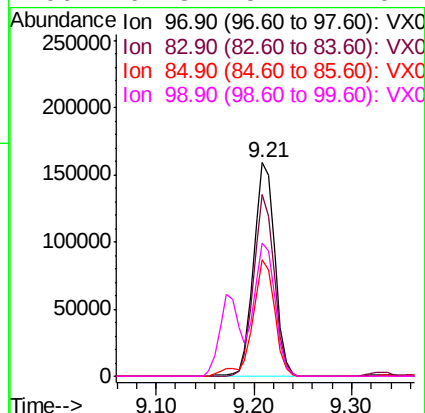
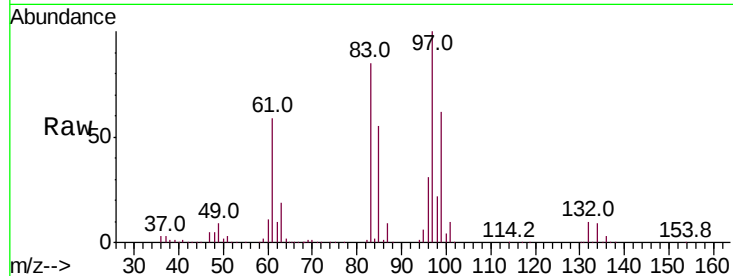
#55
1,1,2-Trichloroethane
Concen: 144.903 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.8	101.6
85	54.5	42.7	64.1
99	62.3	51.1	76.7

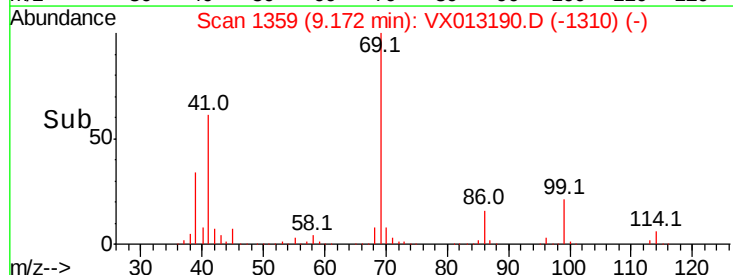
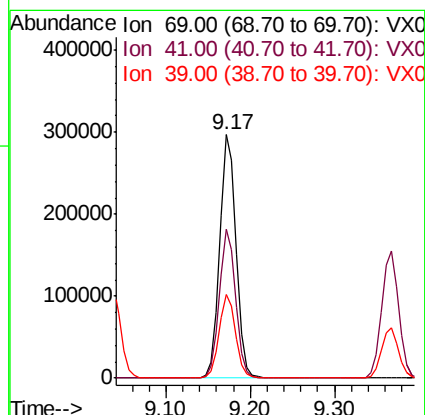
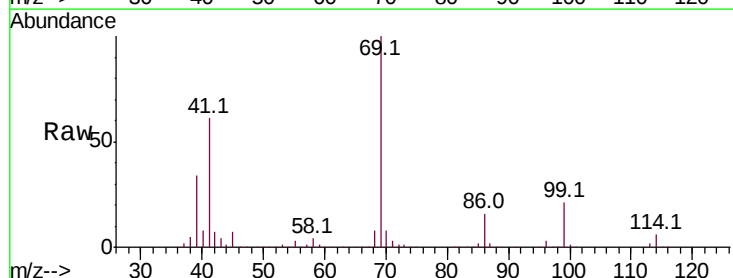
Manual Integrations
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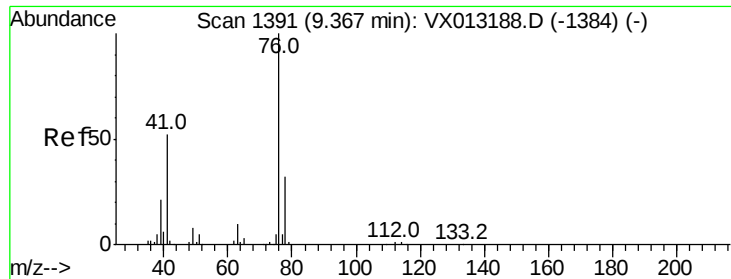
MMDadoda
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#56
Ethyl methacrylate
Concen: 158.206 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.7	48.5	72.7
39	34.4	27.8	41.6





#57

1,3-Dichloropropane

Concen: 145.906 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 398991

Ion Ratio Lower Upper

76 100

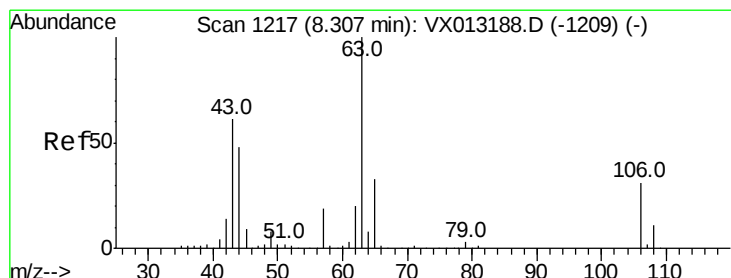
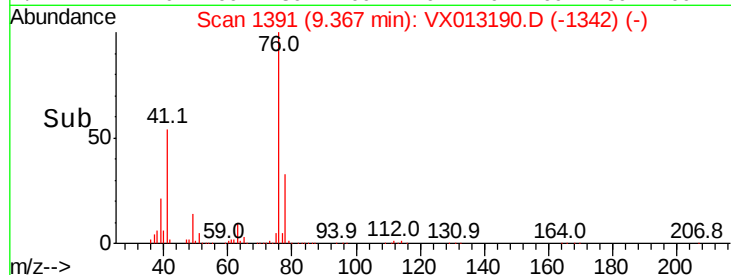
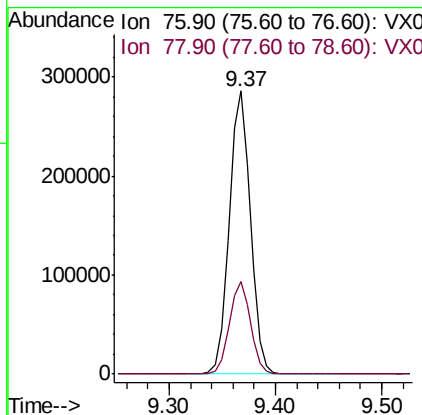
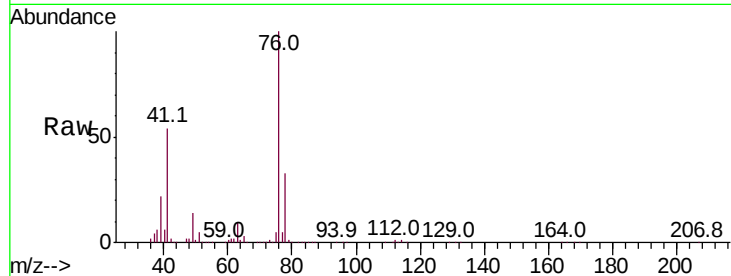
78 32.5 26.3 39.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 798.743 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013190.D

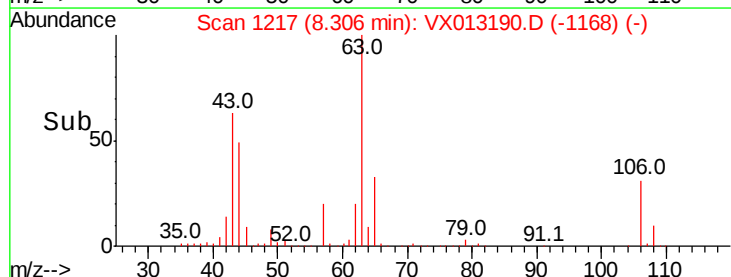
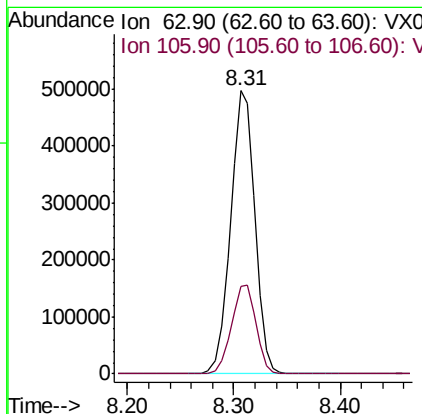
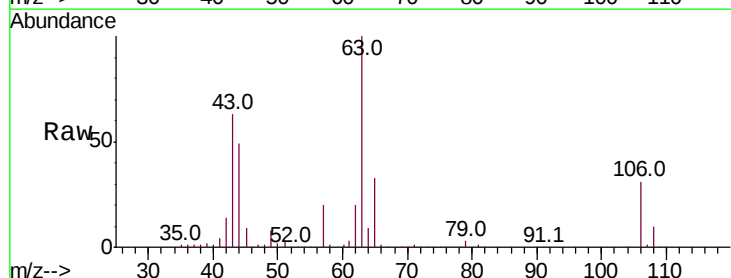
Acq: 23 Oct 2019 15:08

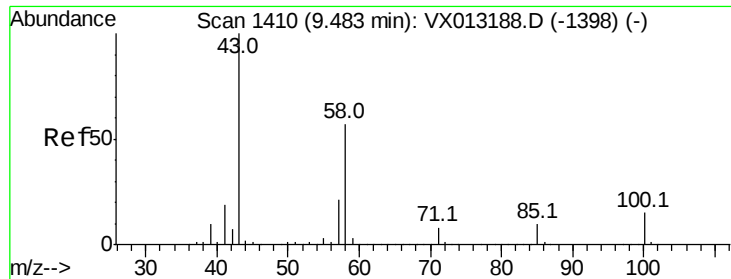
Tgt Ion: 63 Resp: 793278

Ion Ratio Lower Upper

63 100

106 32.0 25.0 37.6





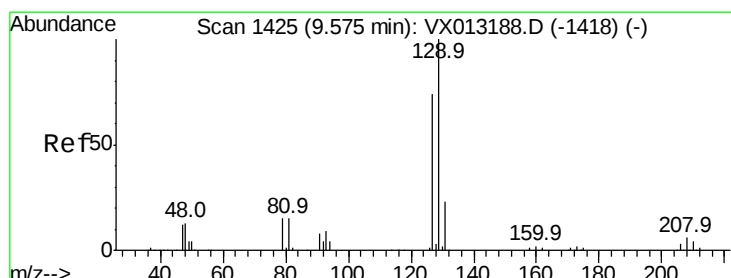
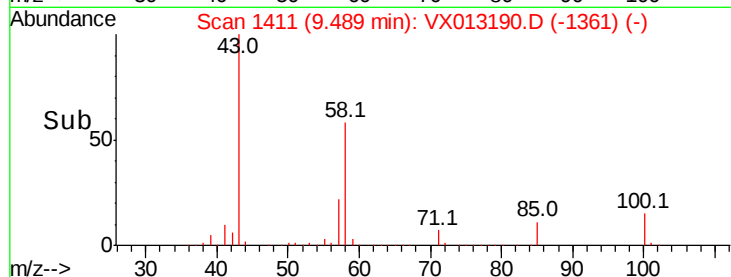
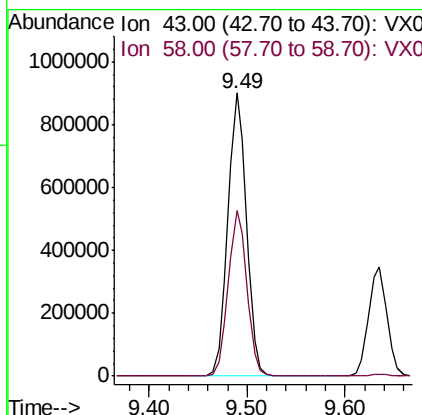
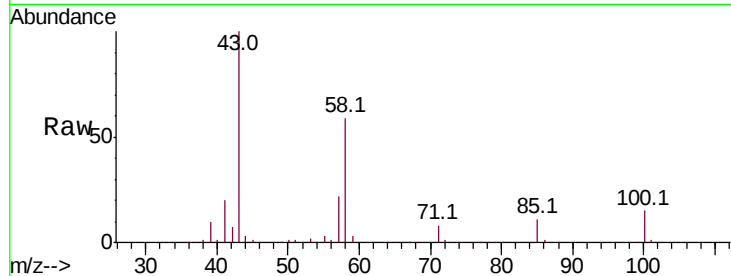
#59
2-Hexanone
Concen: 706.693 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1193461
Ion Ratio Lower Upper
43 100
58 58.6 28.4 85.3

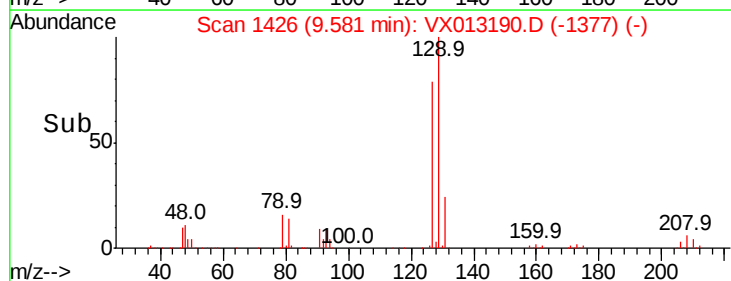
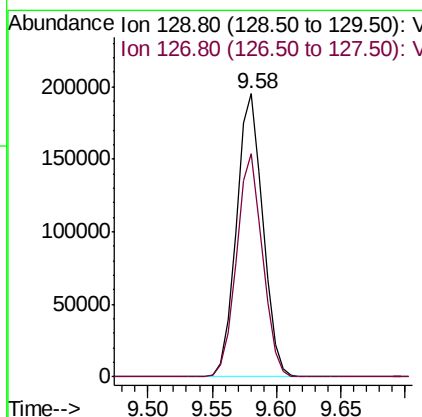
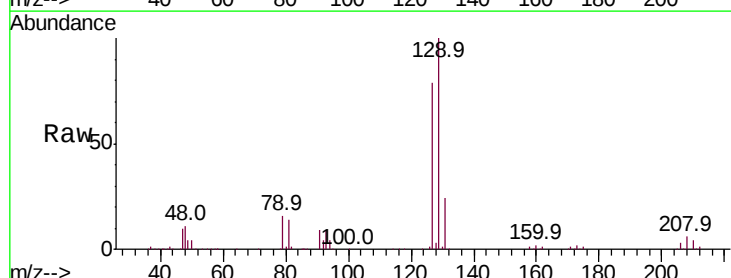
Manual Integrations
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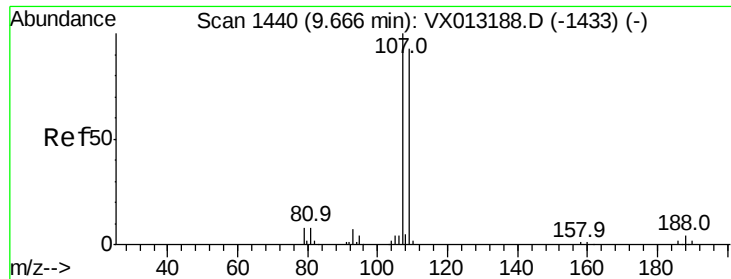
MMDadoda
10/25/2019 4:32:58 PM



#60
Dibromochloromethane
Concen: 163.424 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion: 129 Resp: 277293
Ion Ratio Lower Upper
129 100
127 77.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 146.575 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 259037

Ion Ratio Lower Upper

107 100

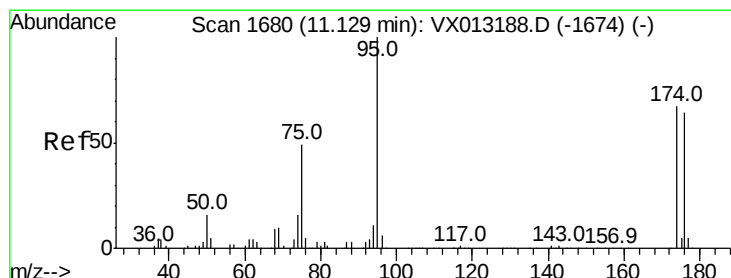
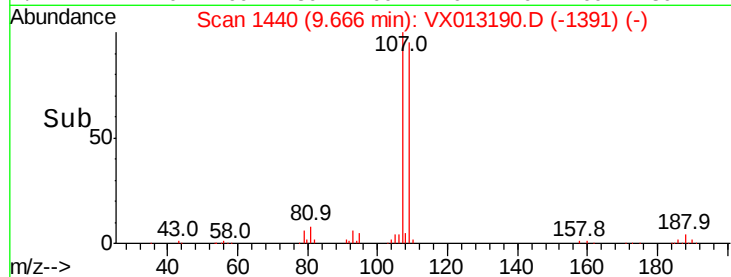
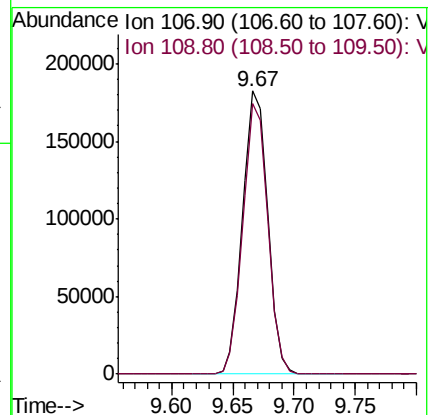
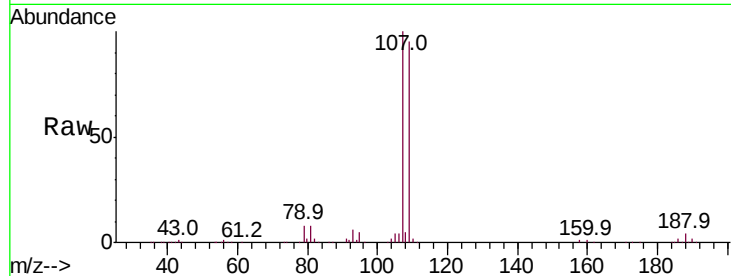
109 94.9 75.0 112.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 146.521 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

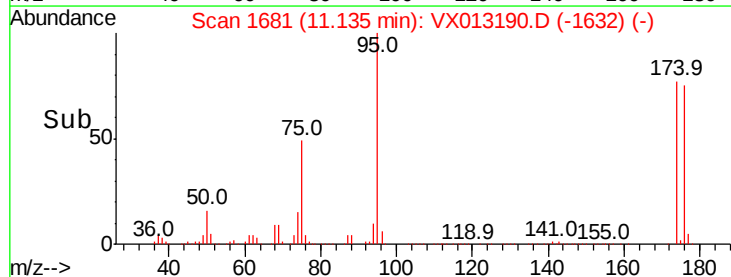
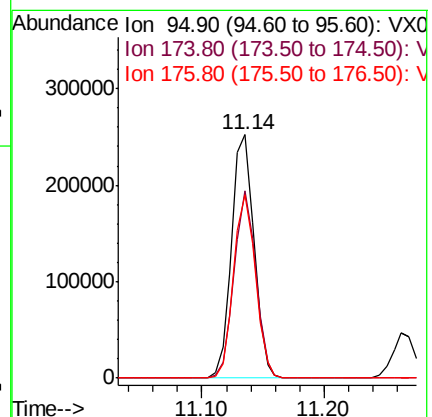
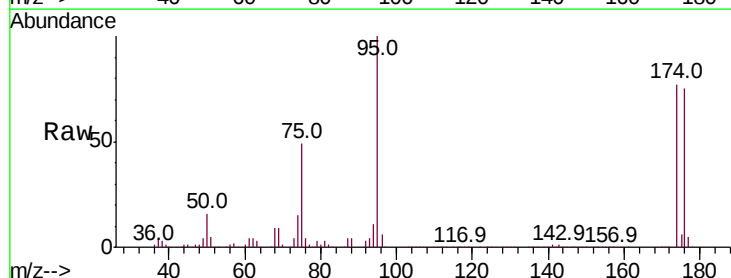
Tgt Ion: 95 Resp: 319941

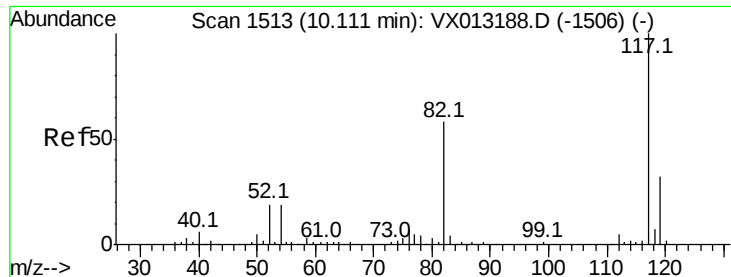
Ion Ratio Lower Upper

95 100

174 74.6 0.0 155.6

176 73.4 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

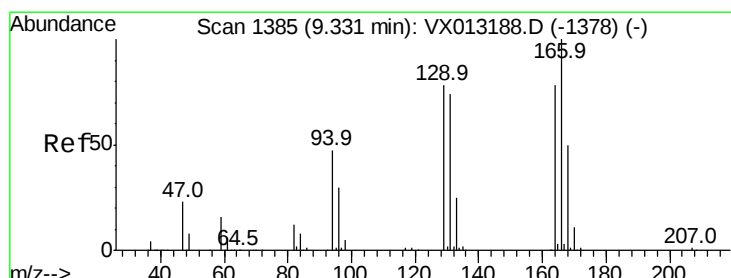
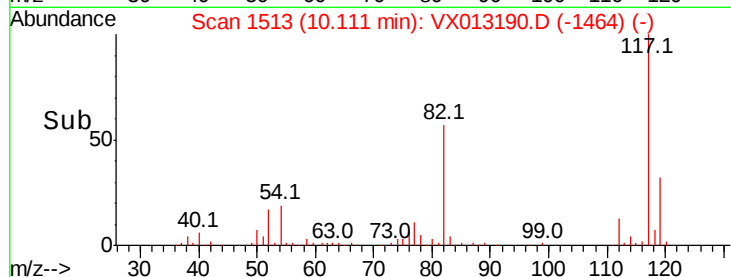
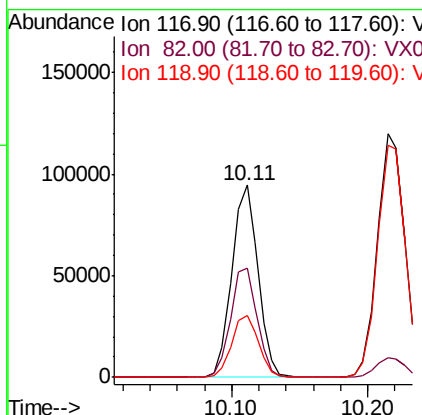
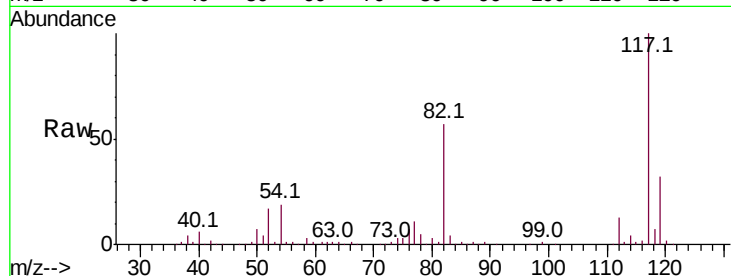
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	126741
Ion Ratio	Lower	Upper	
117	100		
82	57.2	44.0	66.0
119	32.0	26.3	39.5

Manual Integrations
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#64

Tetrachloroethene

Concen: 131.019 ug/l

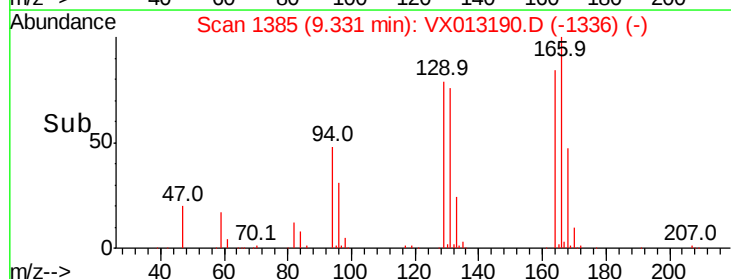
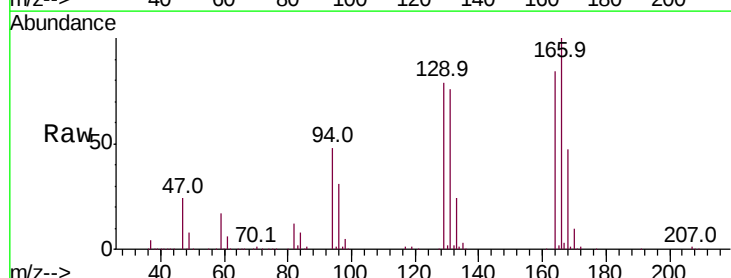
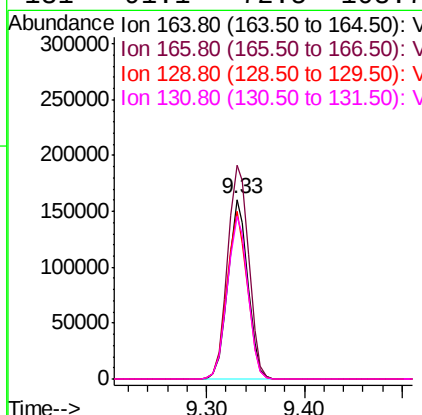
RT: 9.33 min Scan# 1385

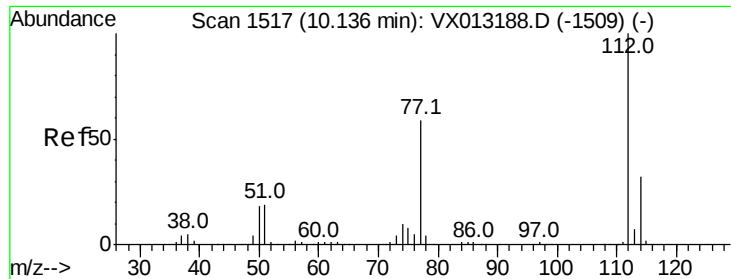
Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion:	164	Resp:	225524
Ion Ratio	Lower	Upper	
164	100		
166	119.2	101.3	151.9
129	93.8	79.9	119.9
131	91.1	72.5	108.7





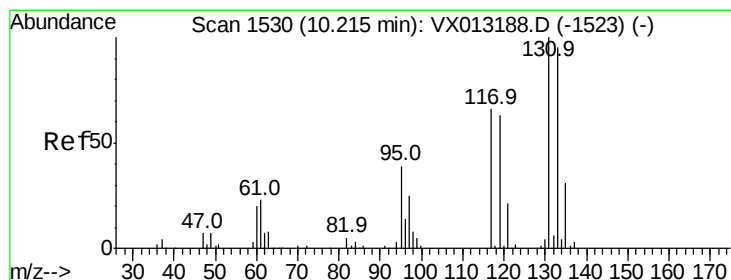
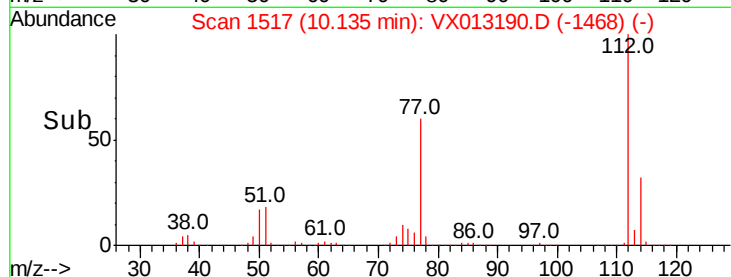
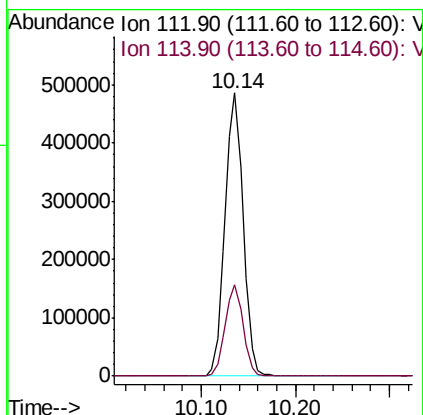
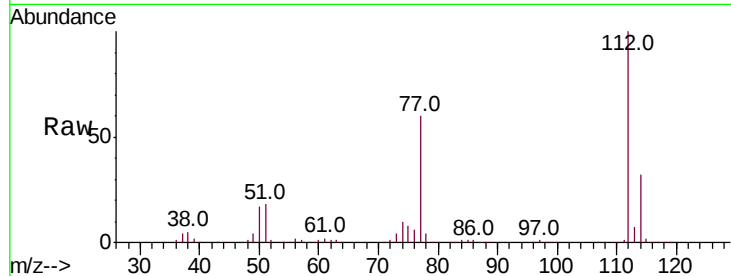
#65
Chlorobenzene
Concen: 147.917 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 654905
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4

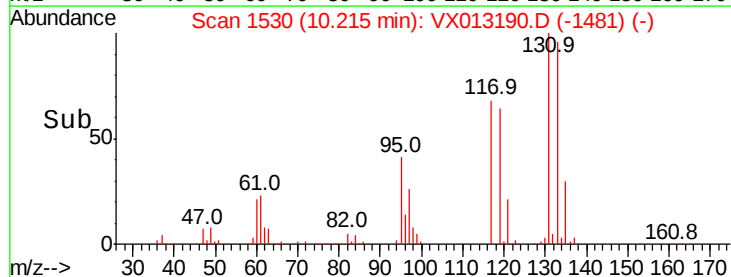
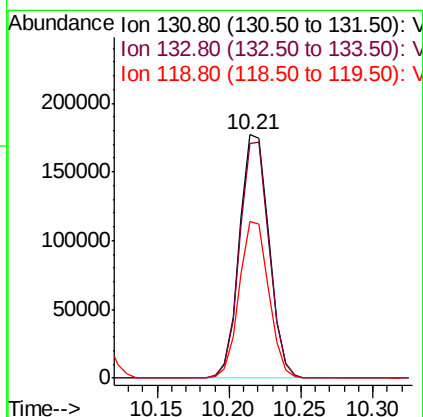
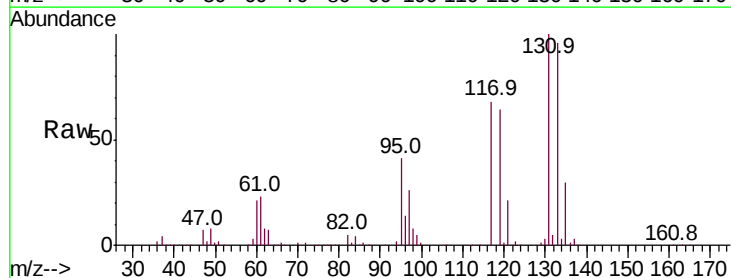
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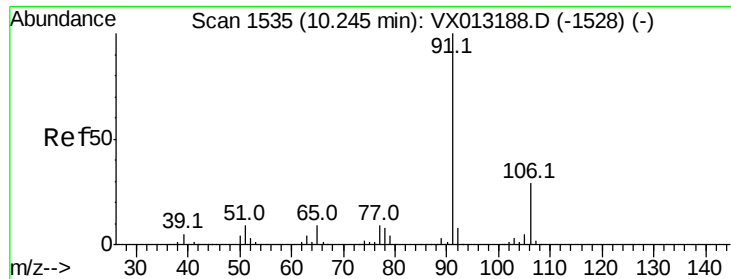
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 155.428 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion:131 Resp: 252076
Ion Ratio Lower Upper
131 100
133 96.8 47.3 141.9
119 64.1 31.6 94.8





#67

Ethyl Benzene

Concen: 148.612 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1176209

Ion Ratio Lower Upper

91 100

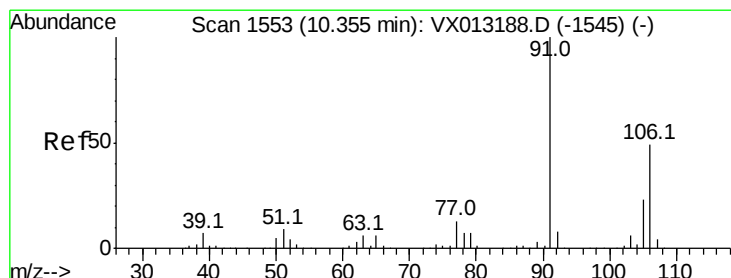
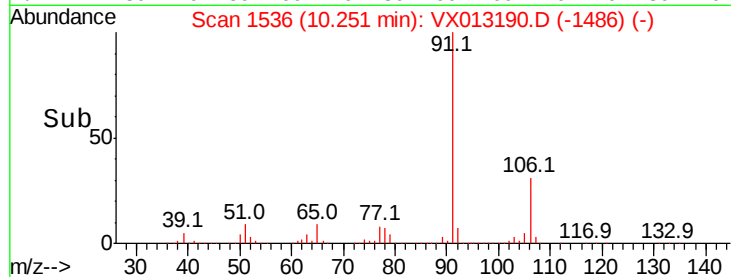
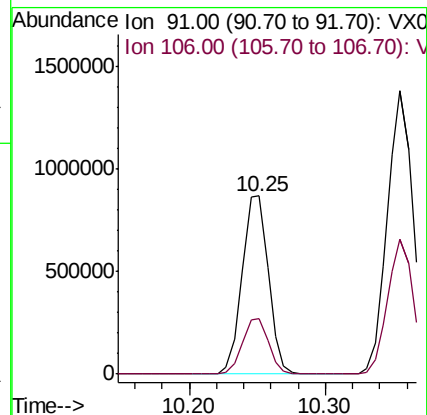
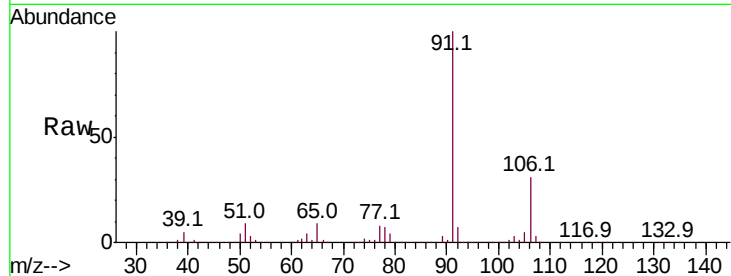
106 31.1 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 291.304 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013190.D

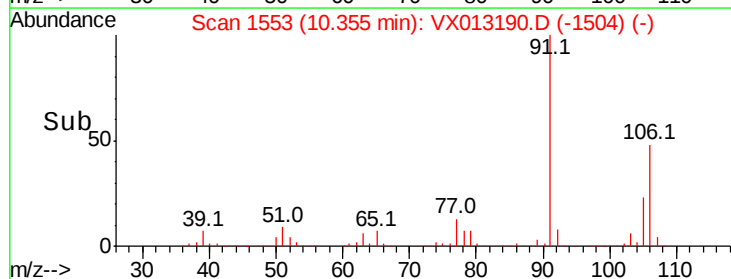
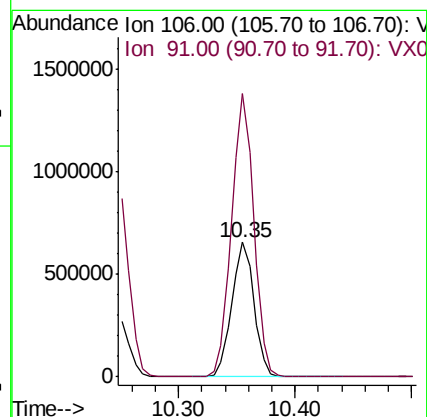
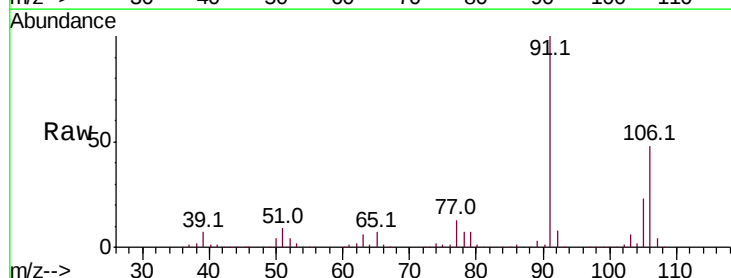
Acq: 23 Oct 2019 15:08

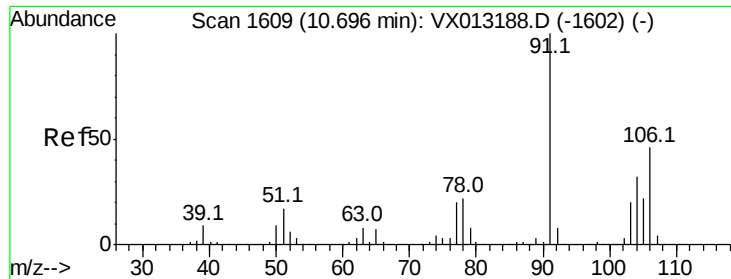
Tgt Ion: 106 Resp: 871448

Ion Ratio Lower Upper

106 100

91 210.6 166.3 249.5





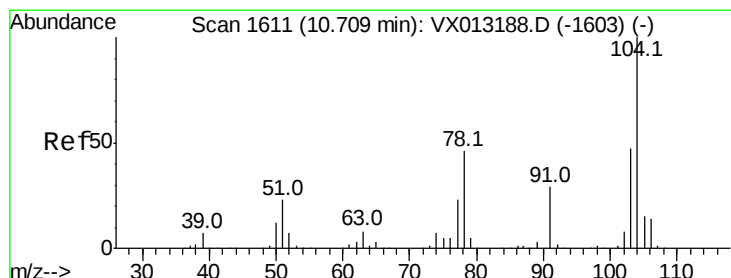
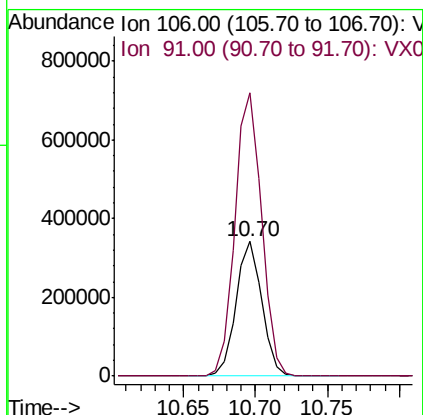
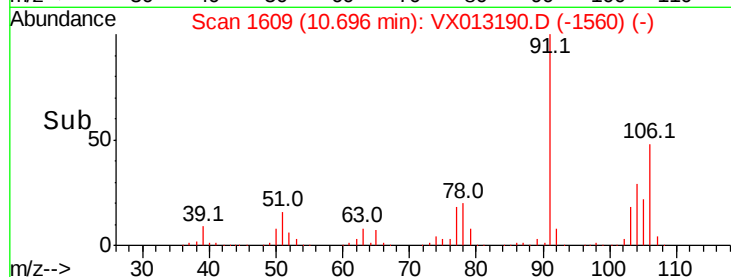
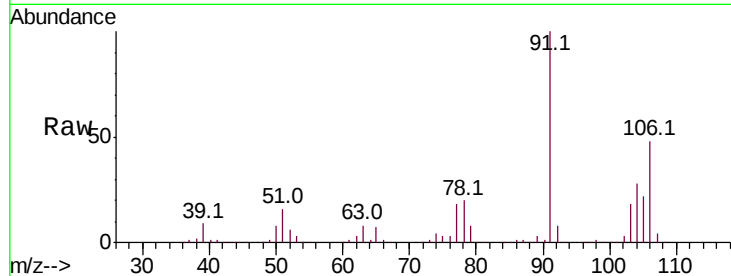
#69
o-Xylene
Concen: 146.965 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
106	100			
91	217.1	109.5	328.4	

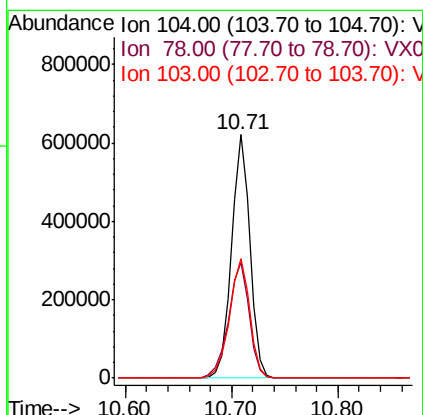
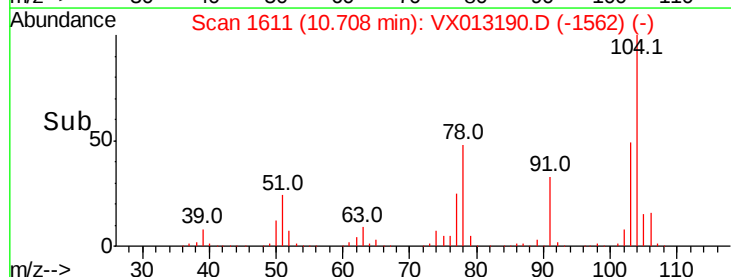
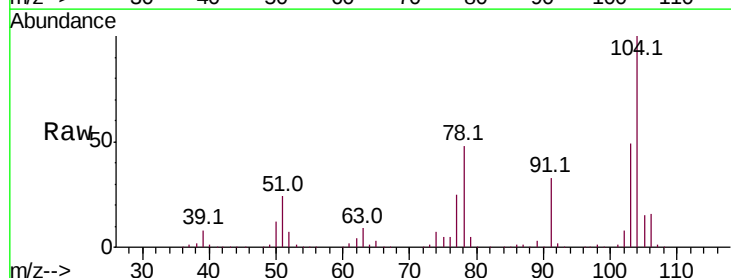
Manual Integrations
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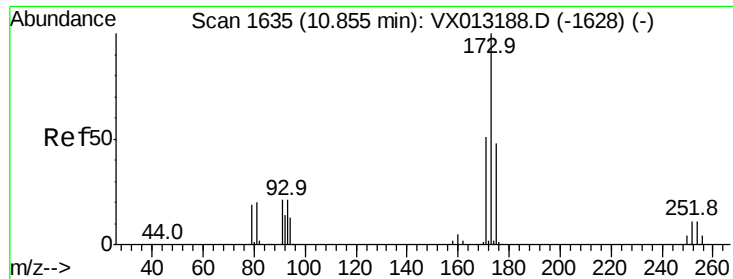
MMDadoda
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#70
Styrene
Concen: 154.144 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
104	100			
78	53.2	42.2	63.2	
103	53.9	43.0	64.6	





#71

Bromoform

Concen: 178.005 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 208538

Ion Ratio Lower Upper

173 100

175 48.2 24.4 73.4

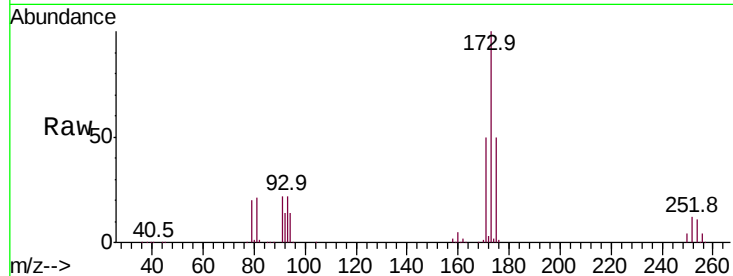
254 0.1 0.1 0.1#

Manual Integrations

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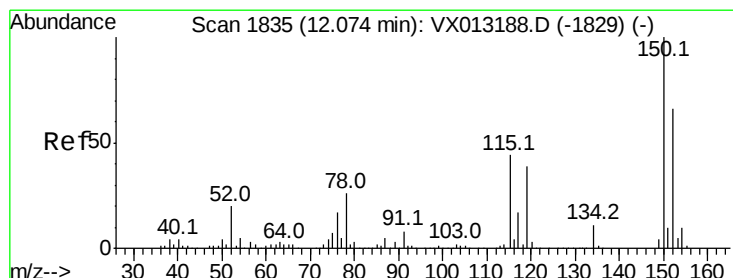
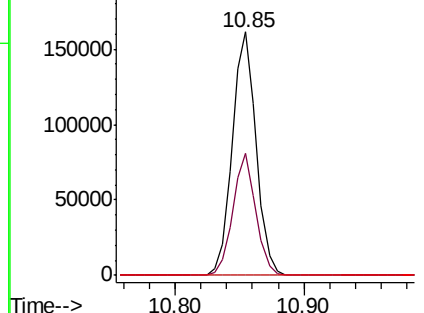
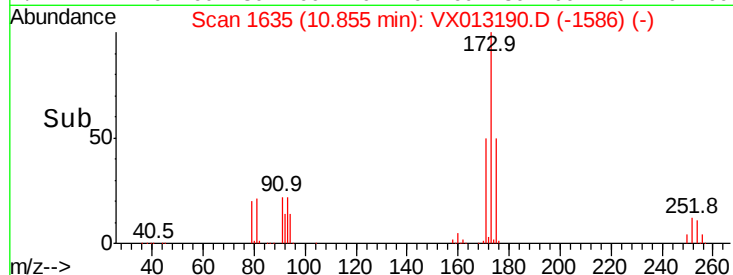
10/25/2019 4:32:58 PM



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: VX013190.D

Acq: 23 Oct 2019 15:08

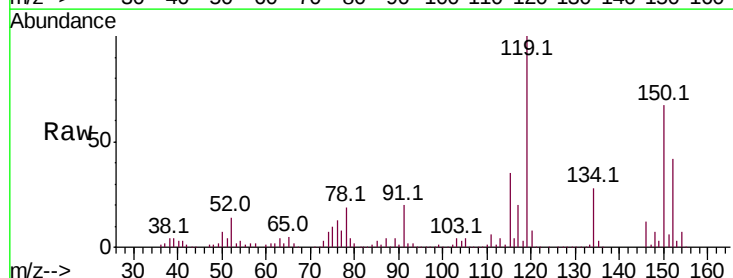
Tgt Ion:152 Resp: 89406

Ion Ratio Lower Upper

152 100

115 150.1 46.3 138.9#

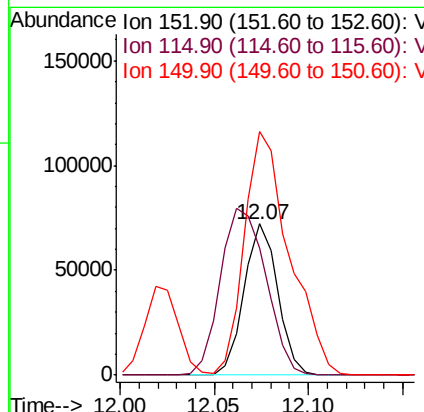
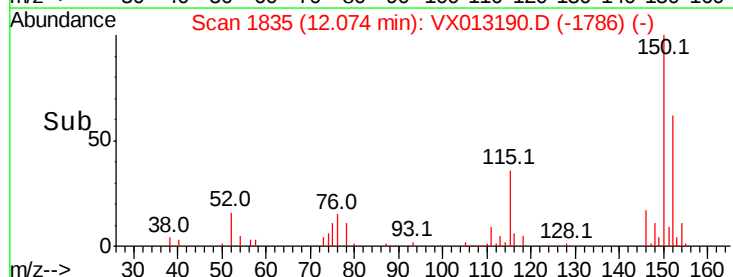
150 215.0 0.0 339.4

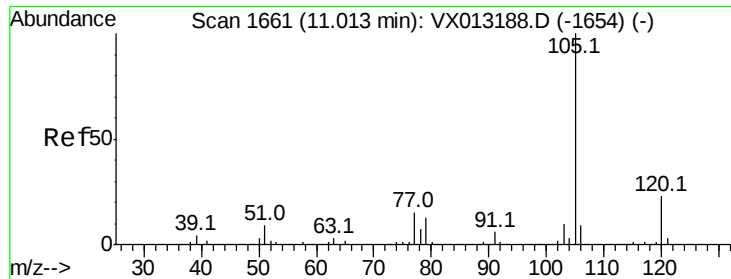


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 145.887 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1168757

Ion Ratio Lower Upper

105 100

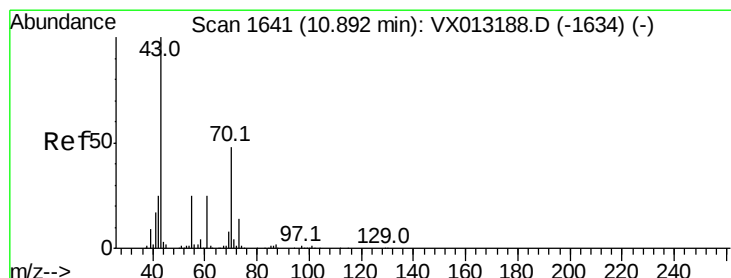
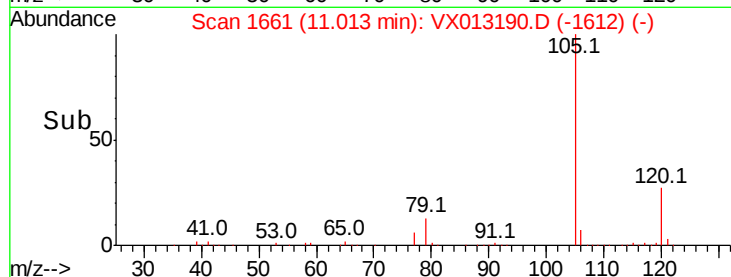
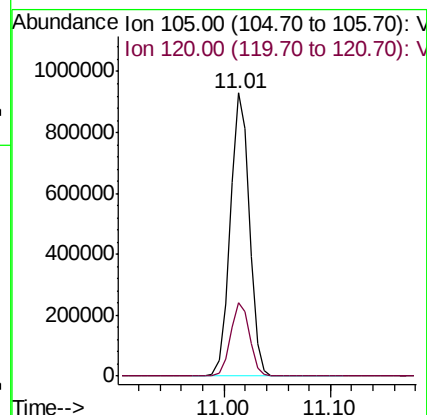
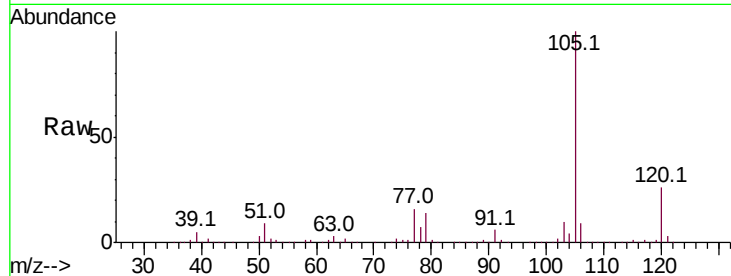
120 25.8 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 154.661 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion: 43 Resp: 462963

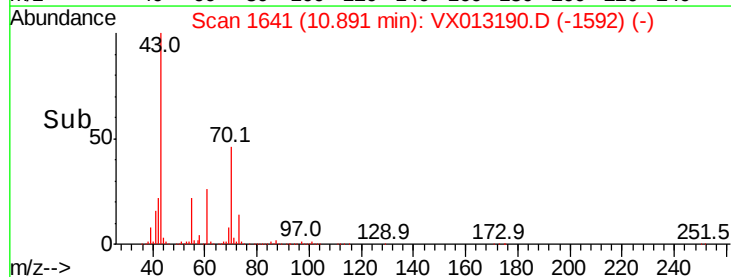
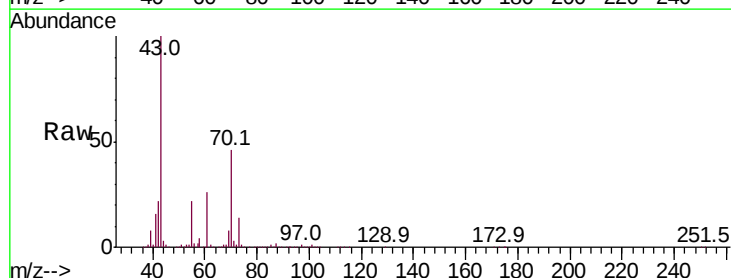
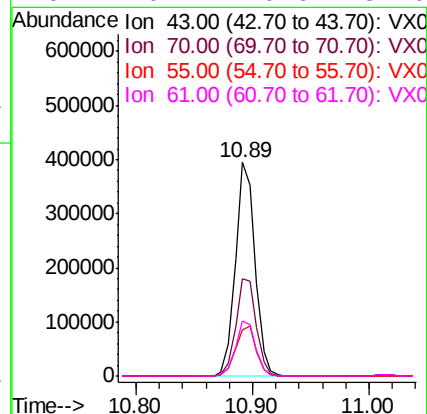
Ion Ratio Lower Upper

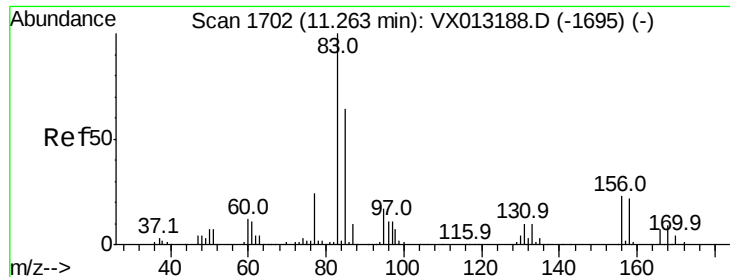
43 100

70 47.6 37.8 56.8

55 24.4 20.6 31.0

61 26.2 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 145.067 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 359896
Ion Ratio Lower Upper

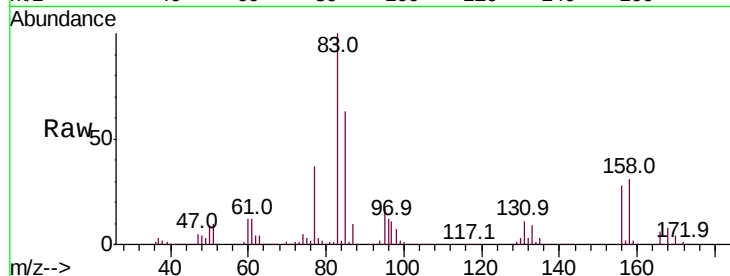
83 100

131 11.0 5.6 16.8

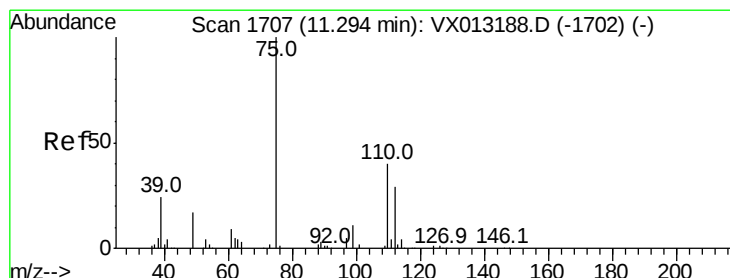
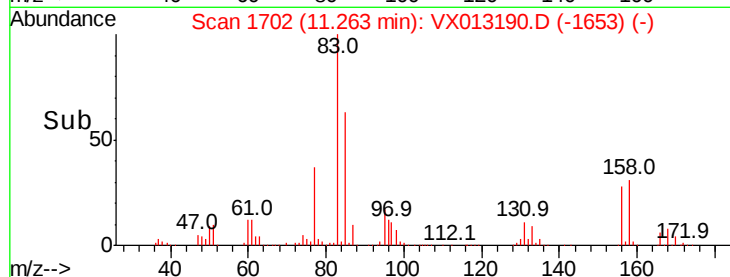
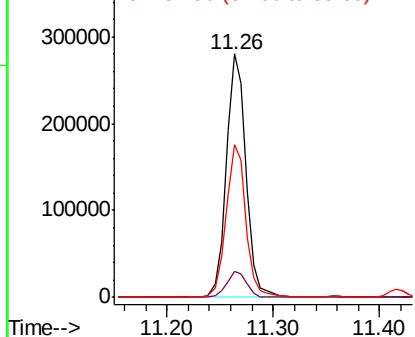
85 63.3 31.6 94.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 165.022 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

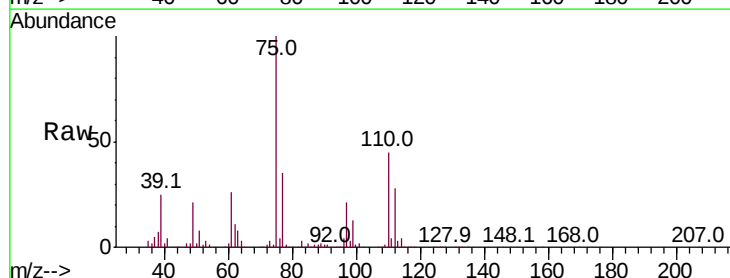
Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

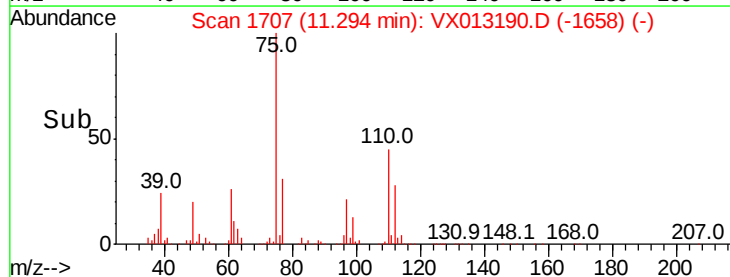
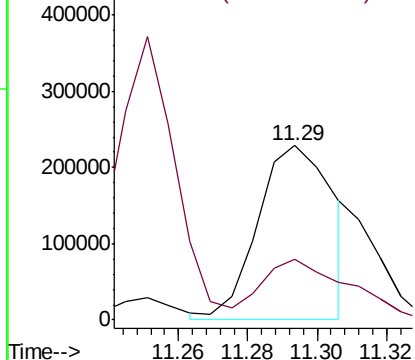
Tgt Ion: 75 Resp: 341589
Ion Ratio Lower Upper

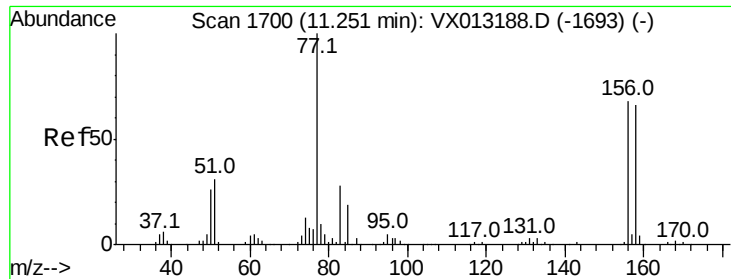
75 100

77 40.4 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 147.450 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

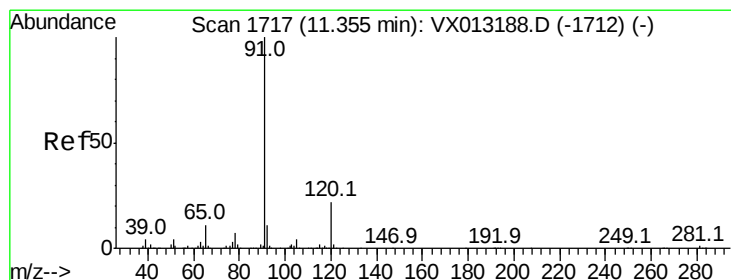
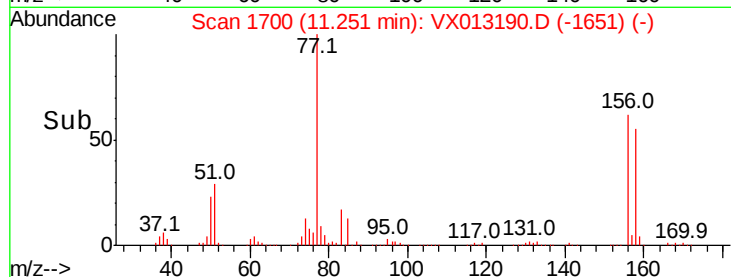
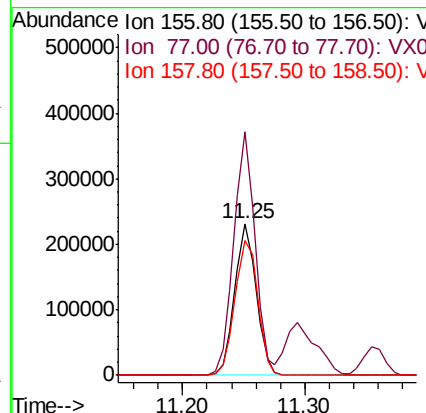
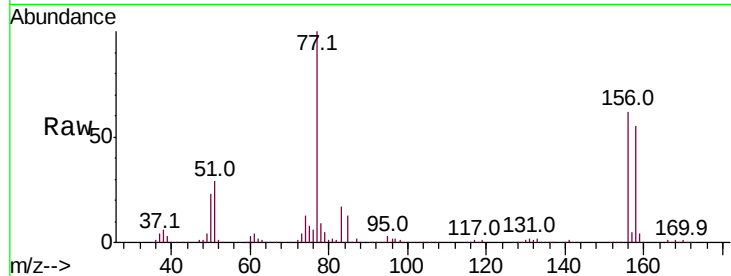
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.5	81.5	244.4
158	95.0	49.0	147.2

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#78

n-propylbenzene

Concen: 152.438 ug/l

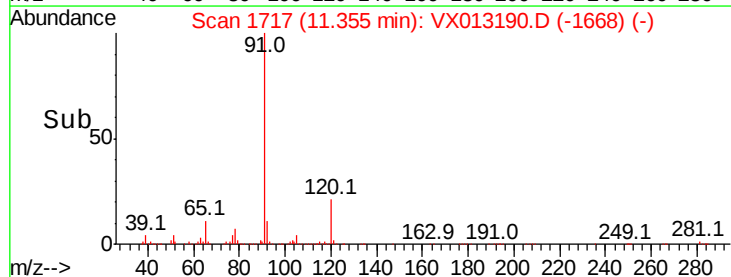
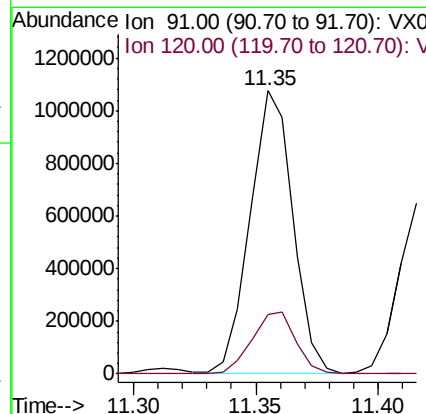
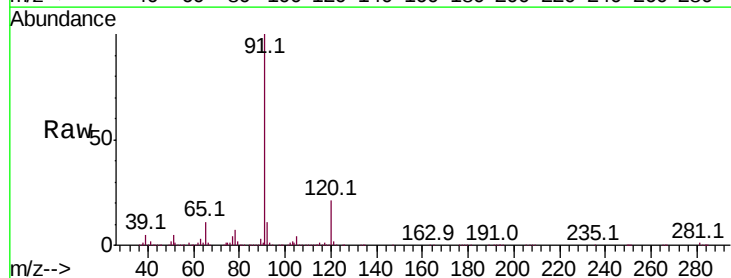
RT: 11.35 min Scan# 1717

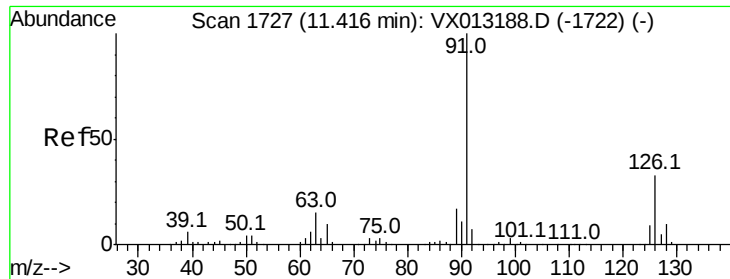
Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.5	34.4





#79

2-Chlorotoluene

Concen: 147.095 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 812520

Ion Ratio Lower Upper

91 100

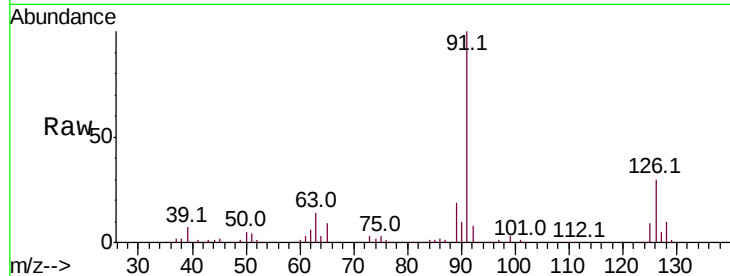
126 32.0 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX013188.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX013188.D (-1722) (-)

1200000

1000000

800000

600000

400000

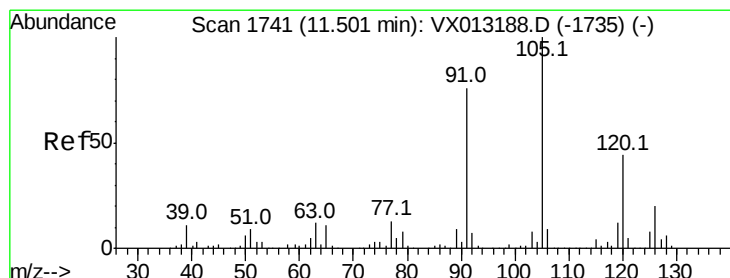
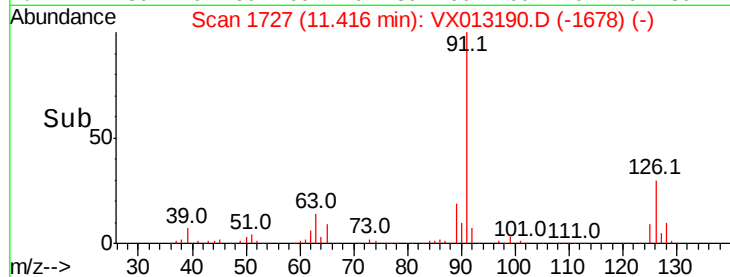
200000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 149.141 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013190.D

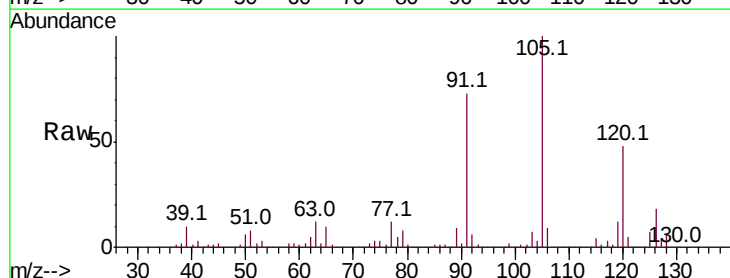
Acq: 23 Oct 2019 15:08

Tgt Ion: 105 Resp: 999757

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX013188.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013188.D (-1735) (-)

800000

600000

400000

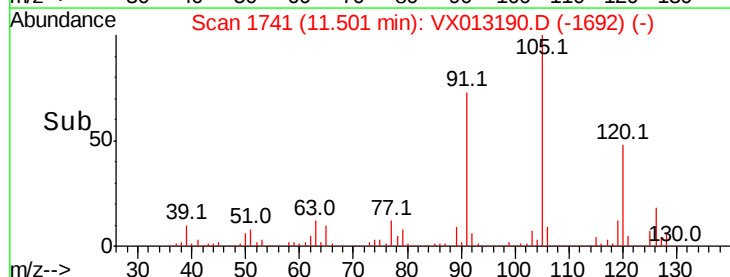
200000

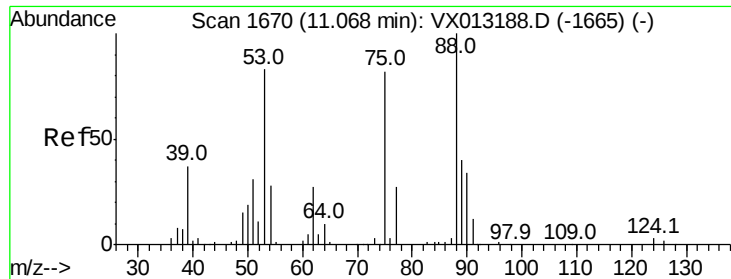
0

11.50

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 164.129 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

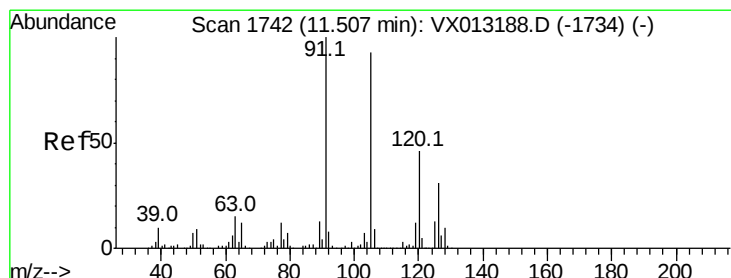
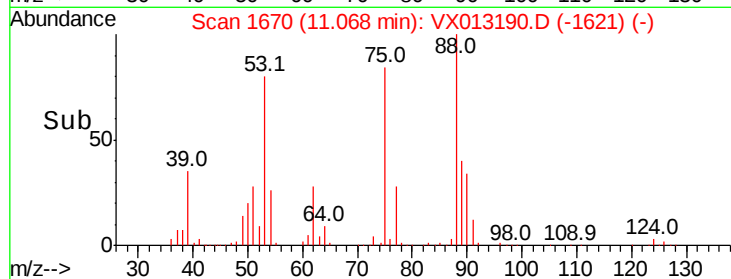
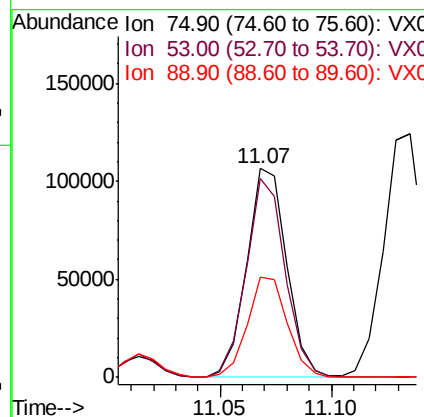
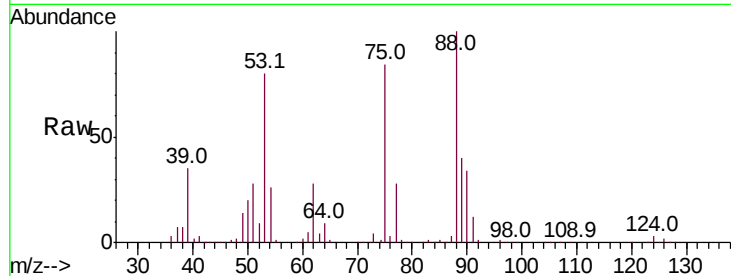
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	132857
Ion Ratio	Lower	Upper	
75	100		
53	93.9	76.0	114.0
89	48.2	37.7	56.5

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#82

4-Chlorotoluene

Concen: 151.005 ug/l

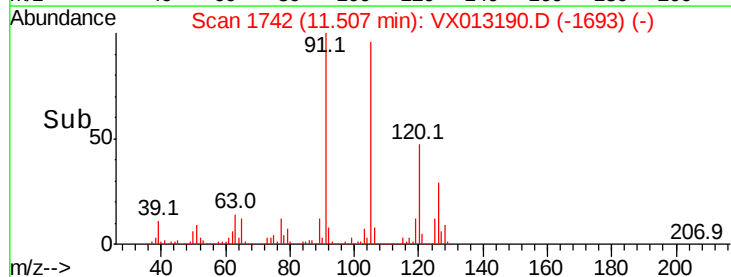
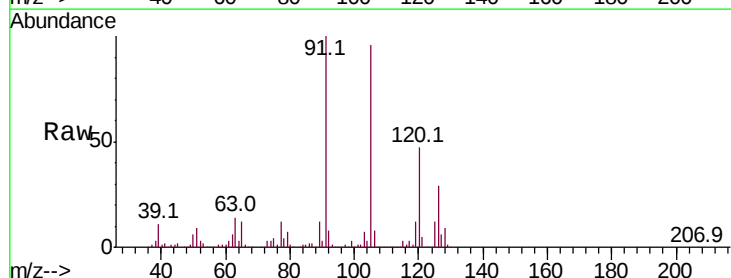
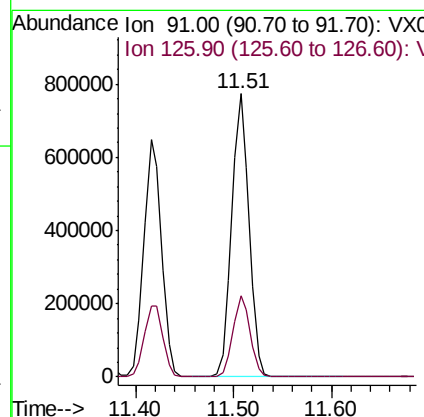
RT: 11.51 min Scan# 1742

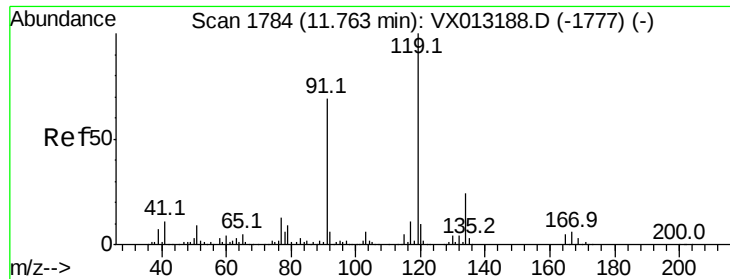
Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Tgt Ion:	91	Resp:	950820
Ion Ratio	Lower	Upper	
91	100		
126	28.2	14.5	43.6





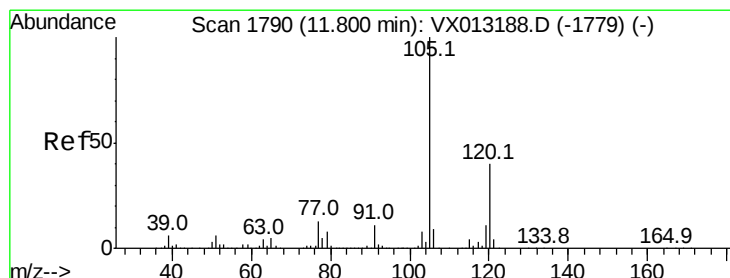
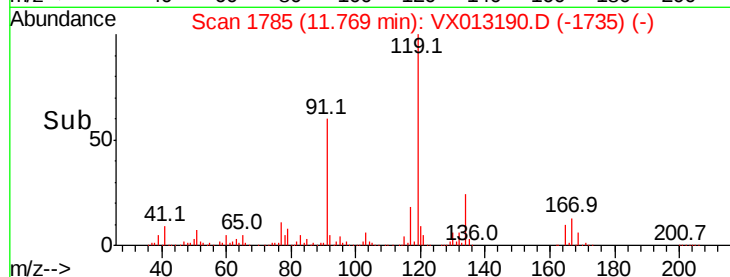
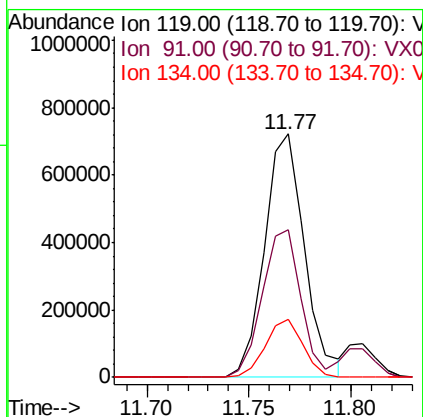
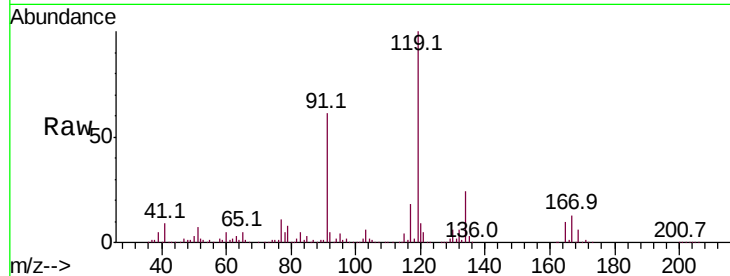
#83
tert-Butylbenzene
Concen: 150.618 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	986149		
91	58.6		30.4	91.2
134	22.4		11.2	33.5

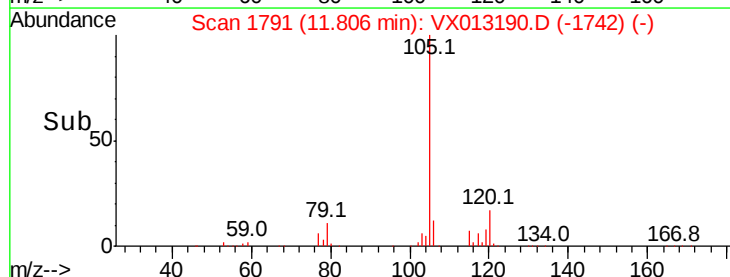
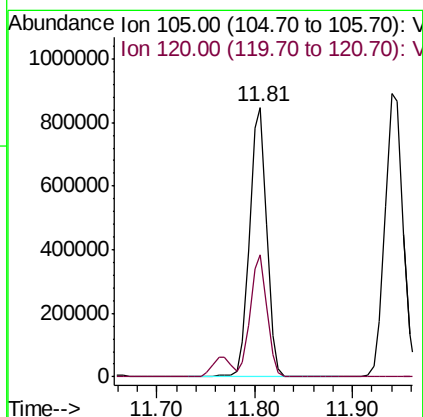
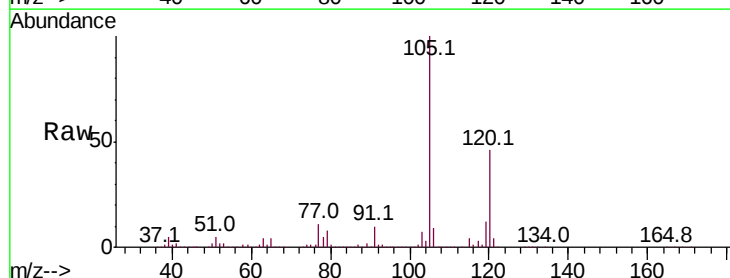
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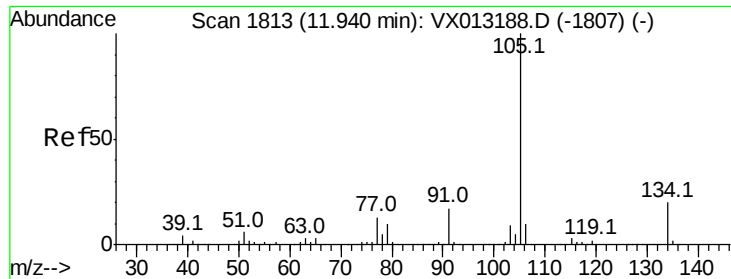
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#84
1,2,4-Trimethylbenzene
Concen: 149.872 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1029616		
120	44.0		21.6	64.8





#85

sec-Butylbenzene

Concen: 151.231 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1139501

Ion Ratio Lower Upper

105 100

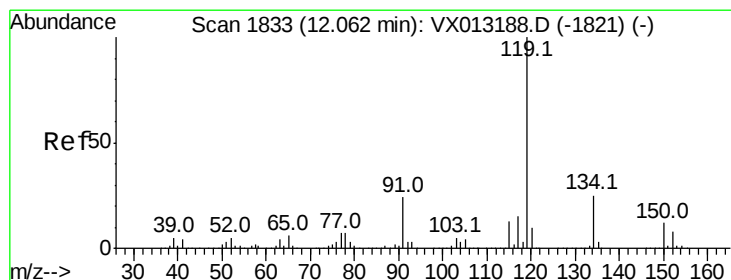
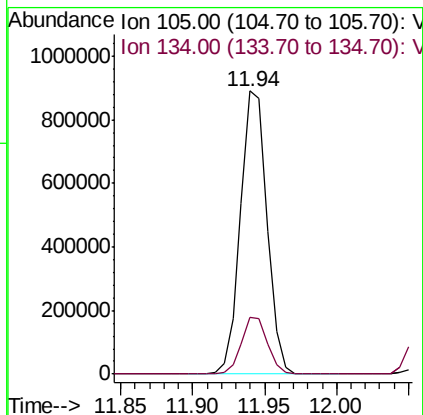
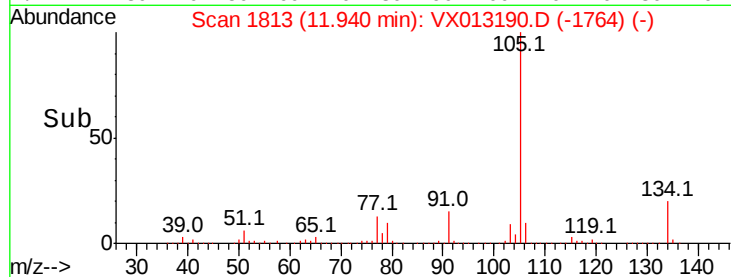
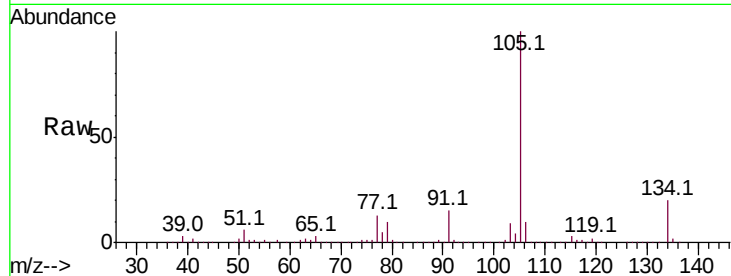
134 19.8 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 146.538 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

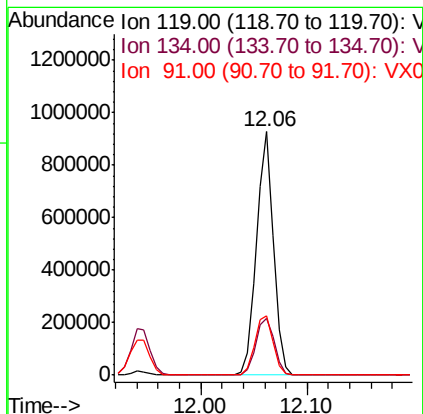
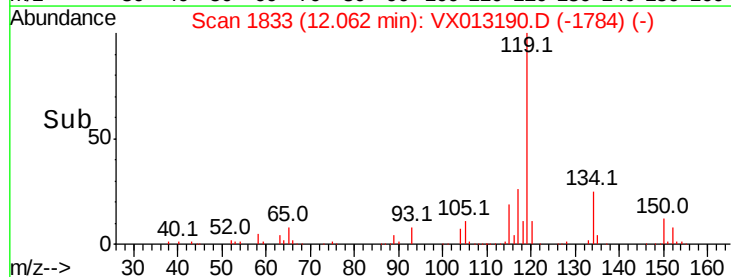
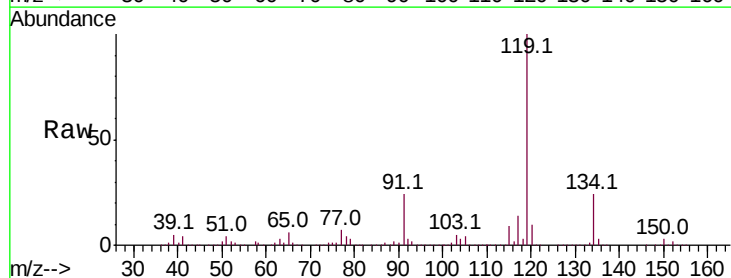
Tgt Ion:119 Resp: 1037879

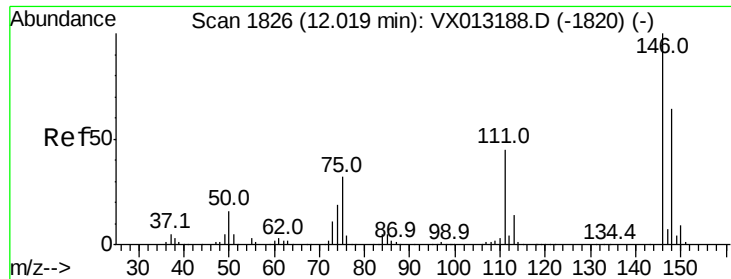
Ion Ratio Lower Upper

119 100

134 25.5 12.3 36.9

91 26.1 12.4 37.0





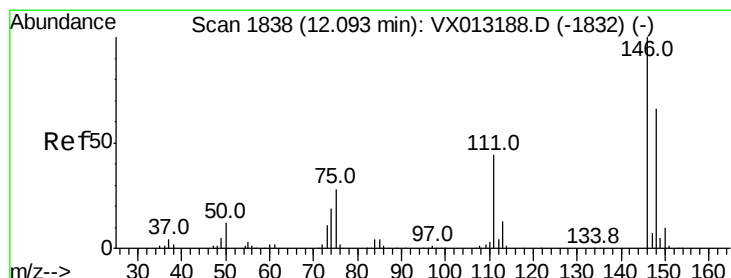
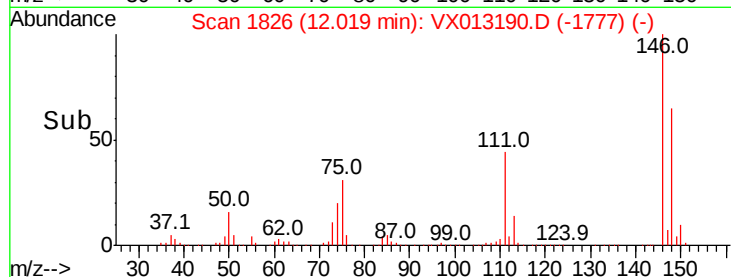
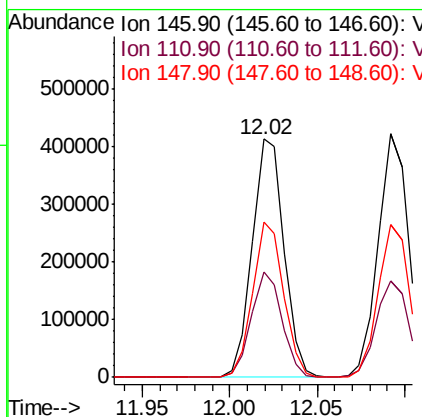
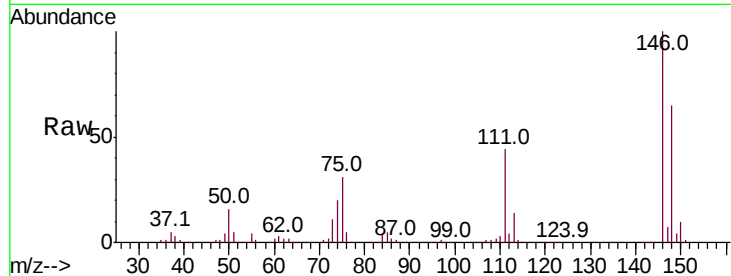
#87
 1,3-Dichlorobenzene
 Concen: 147.657 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.8
148	63.4	31.6	94.8

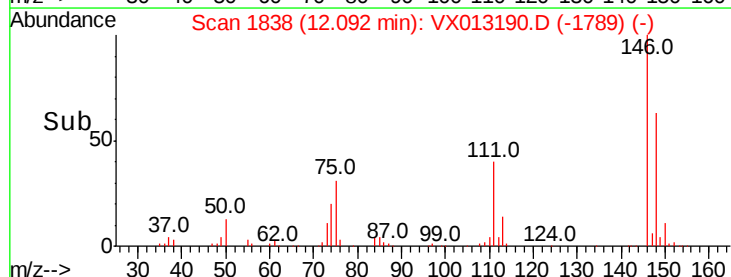
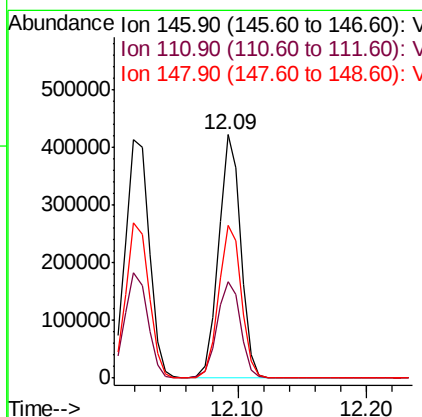
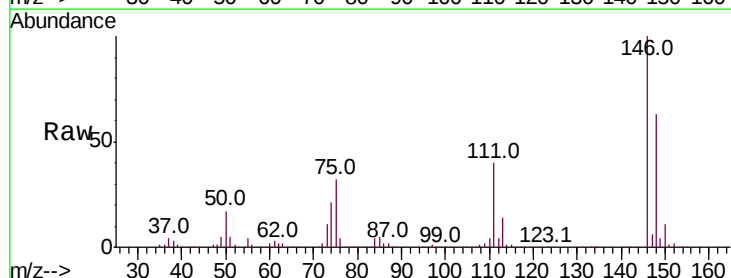
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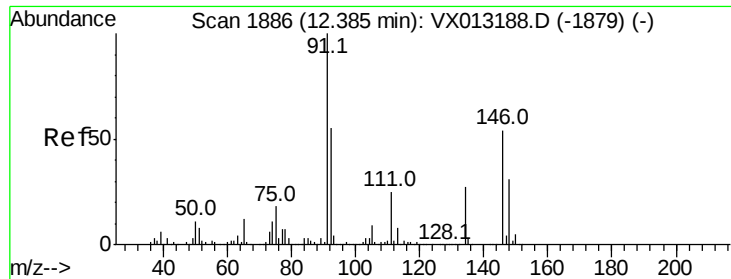
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#88
 1,4-Dichlorobenzene
 Concen: 142.423 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	64.4	32.5	97.5





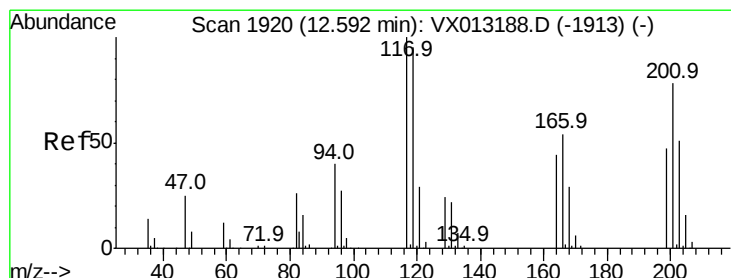
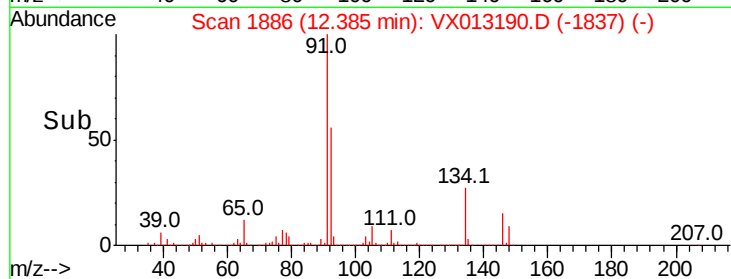
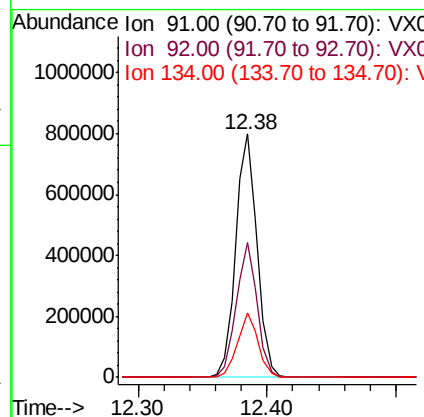
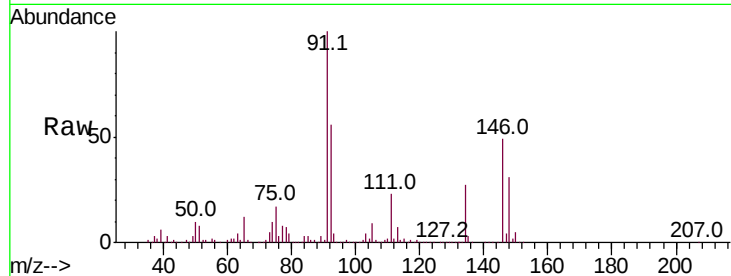
#89
n-Butylbenzene
Concen: 157.514 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	25.8	12.9	38.6

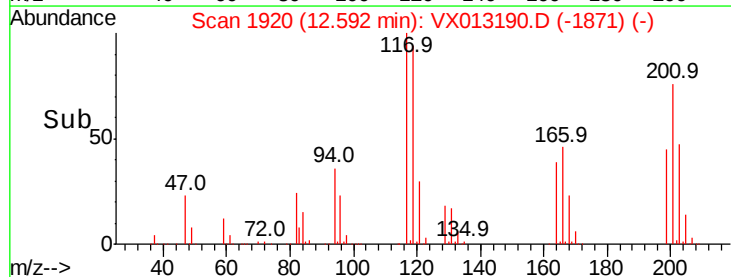
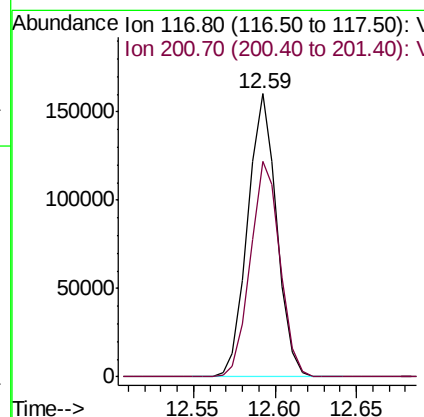
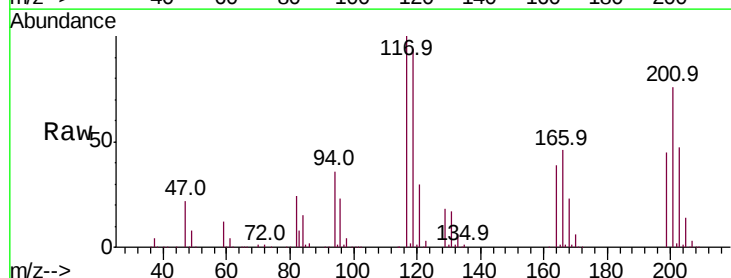
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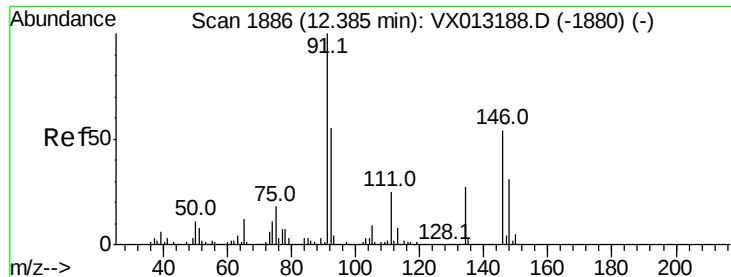
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#90
Hexachloroethane
Concen: 164.479 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	38.5	115.3





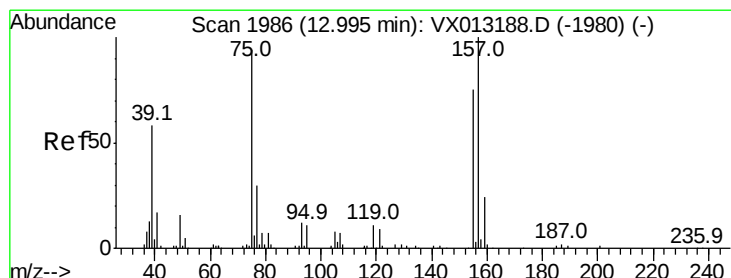
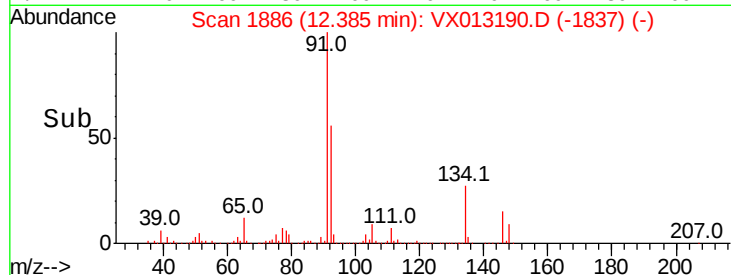
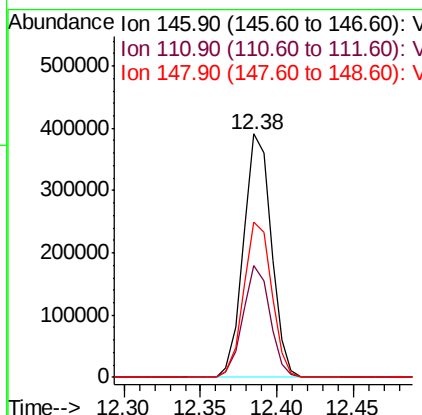
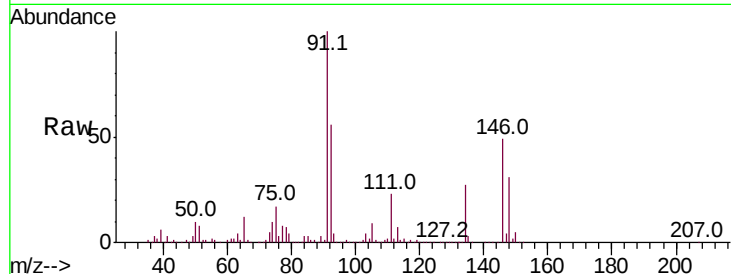
#91
 1,2-Dichlorobenzene
 Concen: 144.050 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.4	67.0
148	64.1	32.4	97.0

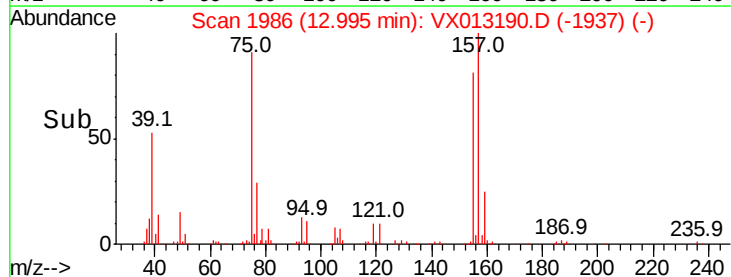
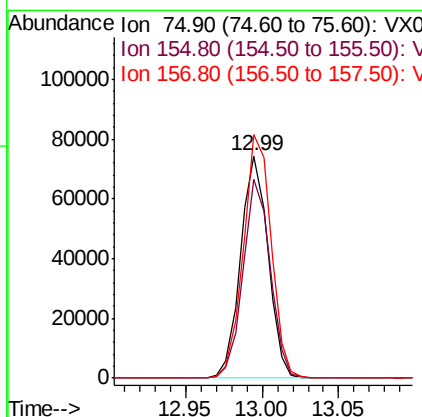
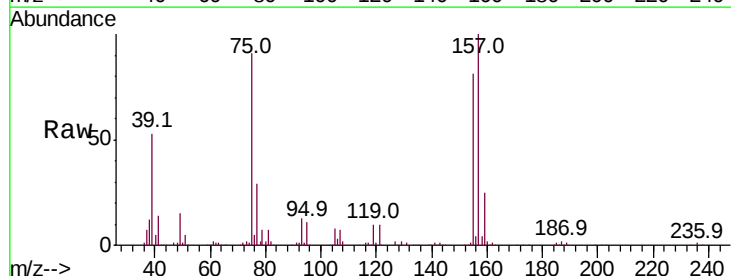
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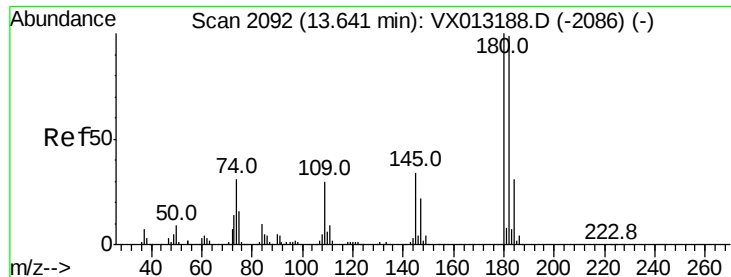
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 154.756 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013190.D
 Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	42.4	127.2
157	111.1	54.4	163.1





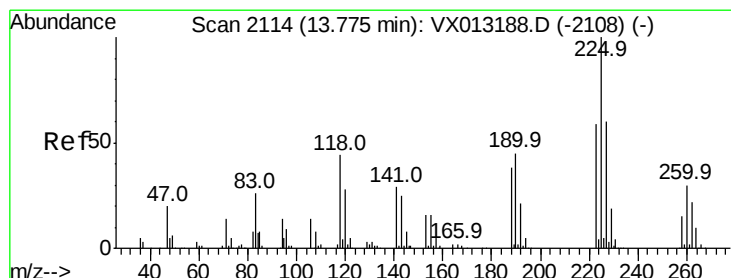
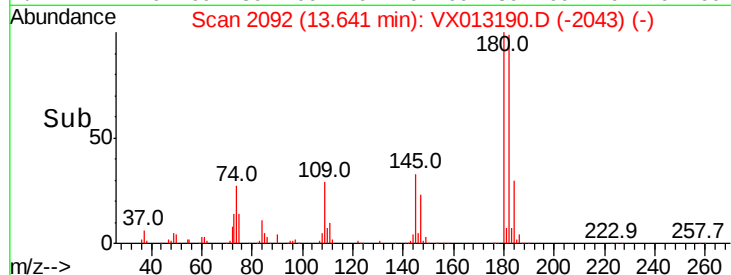
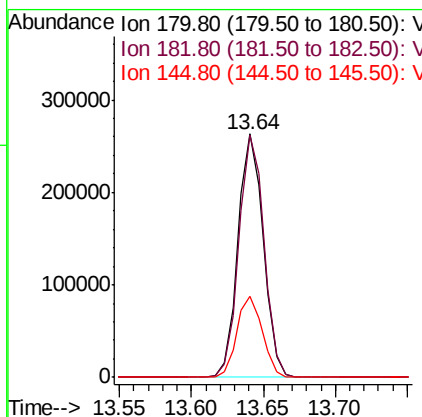
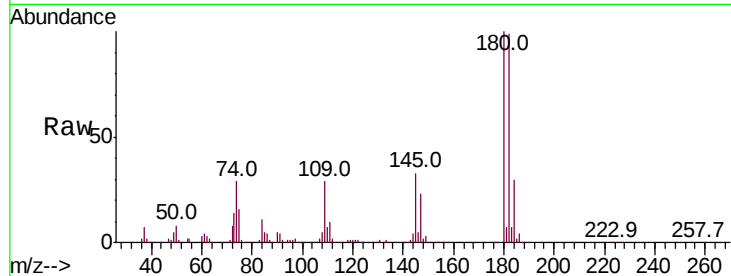
#93
1,2,4-Trichlorobenzene
Concen: 147.448 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.6	46.3	138.9	
145	33.8	16.4	49.2	

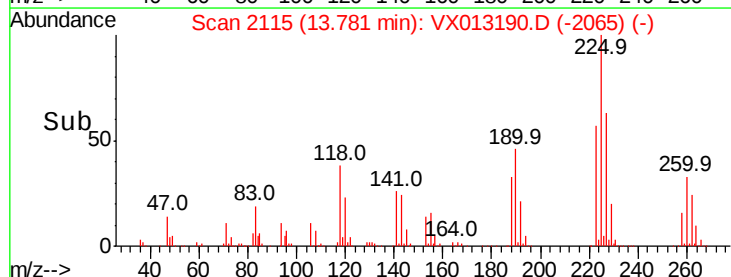
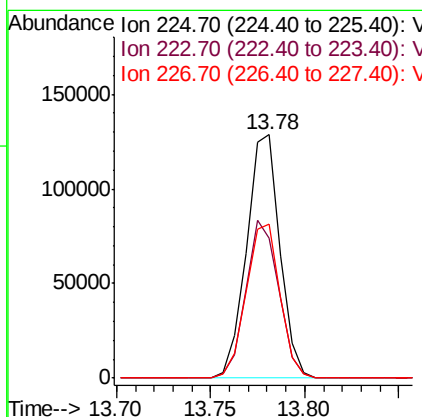
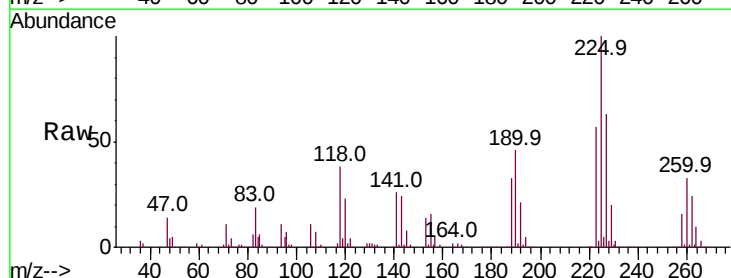
Manual Integrations
APPROVED

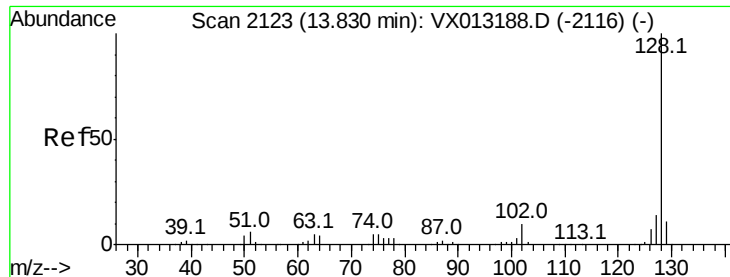
MMDadoda
10/25/2019 4:32:58 PM



#94
Hexachlorobutadiene
Concen: 142.823 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013190.D
Acq: 23 Oct 2019 15:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	32.0	96.2	
227	64.3	33.0	98.9	





#95

Naphthalene

Concen: 154.936 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1056842

Ion Ratio Lower Upper

128 100

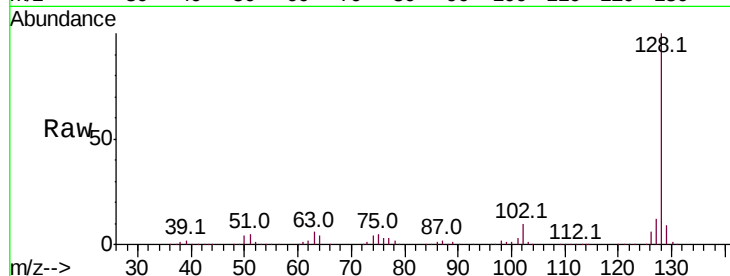
127 12.7 10.1 15.1

129 10.8 8.7 13.1

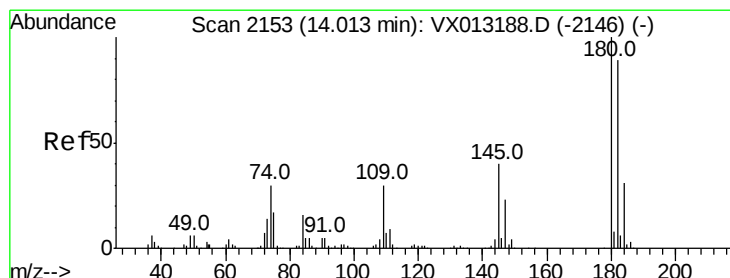
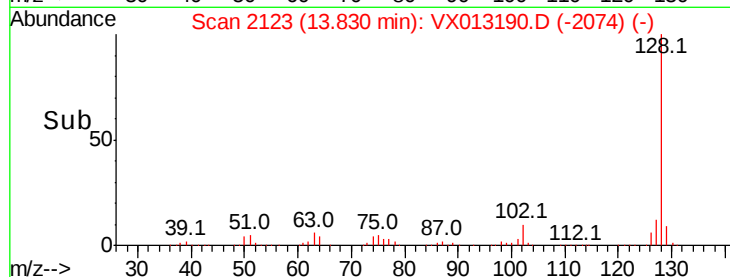
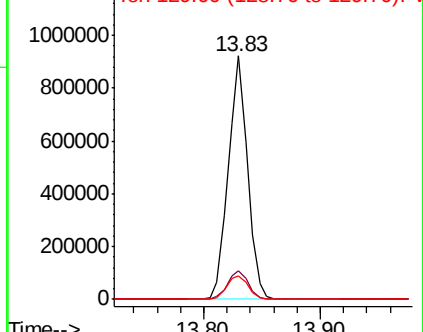
Manual Integrations
APPROVED

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 149.432 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX013190.D

Acq: 23 Oct 2019 15:08

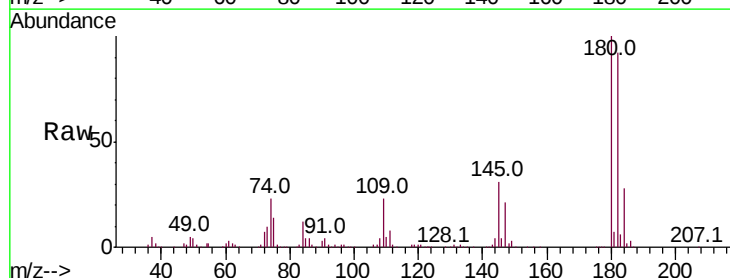
Tgt Ion:180 Resp: 327486

Ion Ratio Lower Upper

180 100

182 93.4 48.1 144.4

145 33.5 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

