

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\
 Data File : VX013744.D
 Acq On : 04 Dec 2019 11:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 12/5/2019 11:25:07 AM

Quant Time: Dec 05 01:06:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	717548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1050839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	936384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	479039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	376846	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	5.48	113	317162	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	8.71	98	1201549	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.13	95	442216	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	404140	50.601	ug/l	99
3) Chloromethane	1.32	50	405337	45.230	ug/l	99
4) Vinyl Chloride	1.40	62	495492	49.124	ug/l	98
5) Bromomethane	1.63	94	298949	44.133	ug/l	99
6) Chloroethane	1.71	64	263907	45.979	ug/l	96
7) Trichlorofluoromethane	1.92	101	552936	49.369	ug/l	100
8) Diethyl Ether	2.18	74	245190	48.389	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	344044	50.290	ug/l	99
10) Methyl Iodide	2.50	142	347115	41.945	ug/l	99
11) Tert butyl alcohol	3.03	59	426794	207.595	ug/l	99
12) 1,1-Dichloroethene	2.36	96	332830	48.740	ug/l	97
13) Acrolein	2.28	56	333732	242.902	ug/l	100
14) Allyl chloride	2.72	41	599877	48.407	ug/l	98
15) Acrylonitrile	3.13	53	989416	233.148	ug/l	99
16) Acetone	2.43	43	1077400	262.002	ug/l	99
17) Carbon Disulfide	2.56	76	919950	47.258	ug/l	100
18) Methyl Acetate	2.76	43	568266	49.627	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1122546	49.622	ug/l	100
20) Methylene Chloride	2.84	84	371067	46.969	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	356948	47.983	ug/l	98
22) Diisopropyl ether	3.84	45	1172600	49.141	ug/l	93
23) Vinyl Acetate	3.80	43	4879172	245.794	ug/l	99
24) 1,1-Dichloroethane	3.68	63	645027	49.448	ug/l	99
25) 2-Butanone	4.65	43	1495058	244.631	ug/l	99
26) 2,2-Dichloropropane	4.57	77	554442	51.372	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	406738	47.610	ug/l	99
28) Bromochloromethane	5.00	49	247784	48.067	ug/l	99
29) Tetrahydrofuran	5.11	42	894128	237.324	ug/l	100
30) Chloroform	5.20	83	627501	47.433	ug/l	99
31) Cyclohexane	5.56	56	593154	48.210	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	556325	50.323	ug/l	99
36) 1,1-Dichloropropene	5.79	75	488370	51.197	ug/l	99
37) Ethyl Acetate	4.81	43	541943	50.643	ug/l	100
38) Carbon Tetrachloride	5.77	117	479451	54.509	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	621078	52.674	ug/l	99
40) Benzene	6.13	78	1445271	49.747	ug/l	100
41) Methacrylonitrile	5.03	41	302708	51.579	ug/l	98
42) 1,2-Dichloroethane	6.18	62	504907	50.959	ug/l	99
43) Isopropyl Acetate	6.43	43	898538	51.002	ug/l	99
44) Trichloroethene	7.20	130	401608	50.369	ug/l	99
45) 1,2-Dichloropropane	7.50	63	374475	51.518	ug/l	100
46) Dibromomethane	7.65	93	248174	50.270	ug/l	99
47) Bromodichloromethane	7.89	83	505184	54.129	ug/l	98
48) Methyl methacrylate	7.76	41	448418	52.385	ug/l	99
49) 1,4-Dioxane	7.73	88	165914	865.911	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	2777449	250.628	ug/l	100
52) Toluene	8.78	92	931937	51.635	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	570882	53.740	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	626000	53.938	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	376744	51.799	ug/l	98
56) Ethyl methacrylate	9.17	69	615785	52.660	ug/l	99
57) 1,3-Dichloropropane	9.36	76	635465	50.688	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	1335133	291.212	ug/l	99
59) 2-Hexanone	9.48	43	2167313	250.757	ug/l	100
60) Dibromochloromethane	9.57	129	414127	54.865	ug/l	100
61) 1,2-Dibromoethane	9.67	107	398588	51.311	ug/l	99
64) Tetrachloroethene	9.33	164	362360	51.892	ug/l	98
65) Chlorobenzene	10.14	112	1002448	51.563	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	377544	54.080	ug/l	99
67) Ethyl Benzene	10.25	91	1774741	53.124	ug/l	99
68) m/p-Xylenes	10.35	106	1365050	106.725	ug/l	99
69) o-Xylene	10.70	106	660967	52.986	ug/l	99
70) Styrene	10.71	104	1134357	54.058	ug/l	99
71) Bromoform	10.85	173	329936	57.118	ug/l #	100
73) Isopropylbenzene	11.01	105	1756976	52.287	ug/l	100
74) N-amyl acetate	10.89	43	809205	52.570	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	591858	50.789	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	477102m	44.281	ug/l	
77) Bromobenzene	11.25	156	466134	51.348	ug/l	98
78) n-propylbenzene	11.35	91	2000593	53.333	ug/l	99
79) 2-Chlorotoluene	11.42	91	1164934	51.771	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1485835	53.951	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	207818	52.769	ug/l	97
82) 4-Chlorotoluene	11.51	91	1354662	51.978	ug/l	100
83) tert-Butylbenzene	11.76	119	1511212	53.993	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1494923	53.484	ug/l	100
85) sec-Butylbenzene	11.94	105	1737207	54.339	ug/l	100
86) p-Isopropyltoluene	12.06	119	1613494	54.251	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	825187	52.147	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	817474	50.718	ug/l	99
89) n-Butylbenzene	12.39	91	1407894	55.502	ug/l	100
90) Hexachloroethane	12.59	117	297360	55.314	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	807982	51.678	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	131608	51.862	ug/l	97

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ClientSampleId :
VSTDCCC050

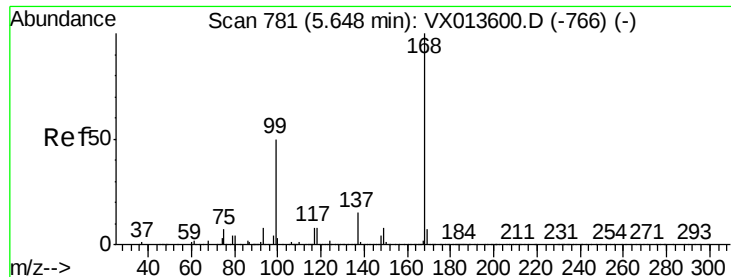
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	589814	54.129	ug/l	99
94) Hexachlorobutadiene	13.78	225	288620	55.139	ug/l	99
95) Naphthalene	13.83	128	1762907	54.327	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	575453	53.338	ug/l	100

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



#1

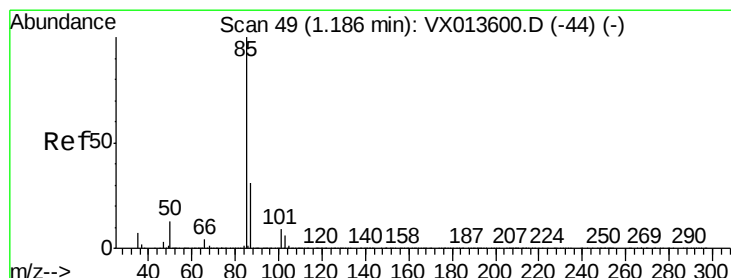
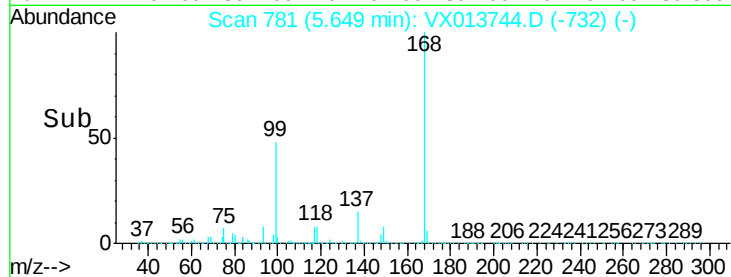
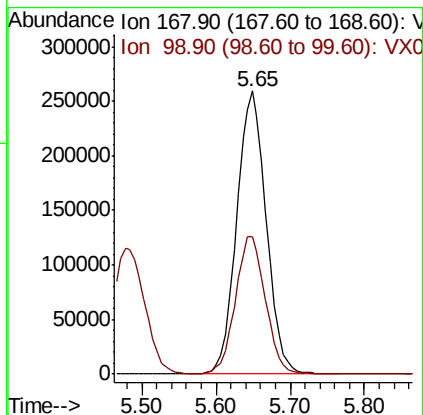
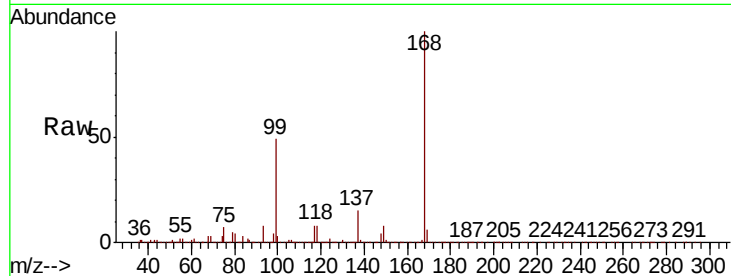
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.3	39.8	59.8

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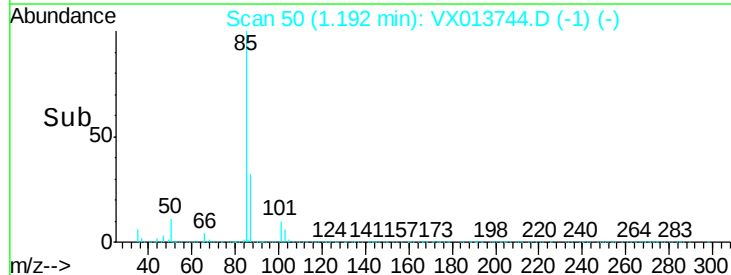
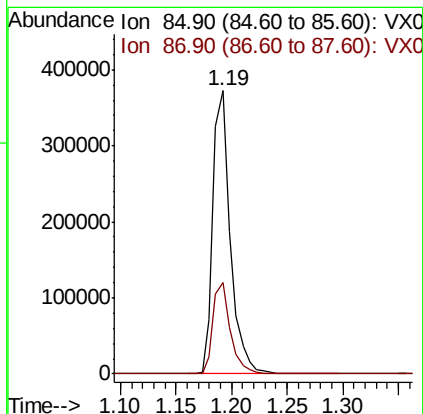
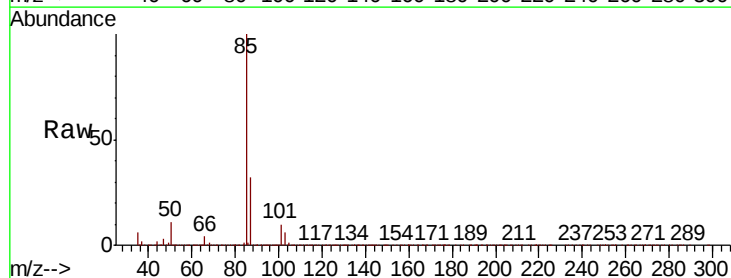
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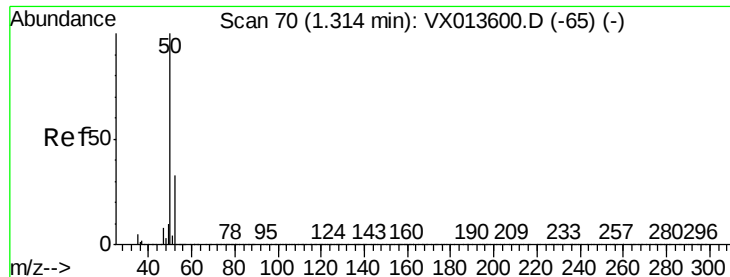


#2

Dichlorodifluoromethane
Concen: 50.601 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1





#3

Chloromethane

Concen: 45.230 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 405337

Ion Ratio Lower Upper

50 100

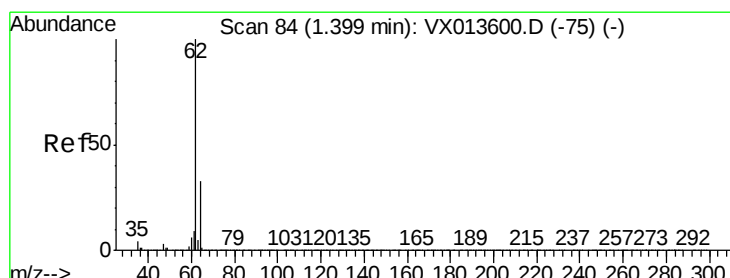
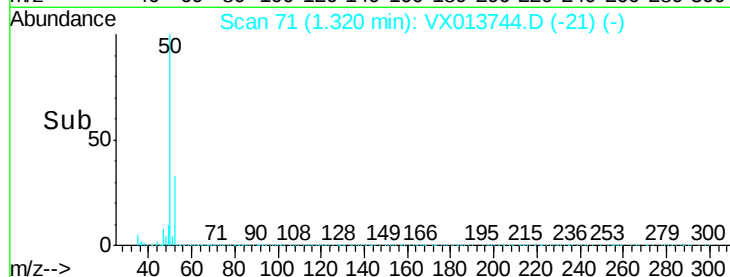
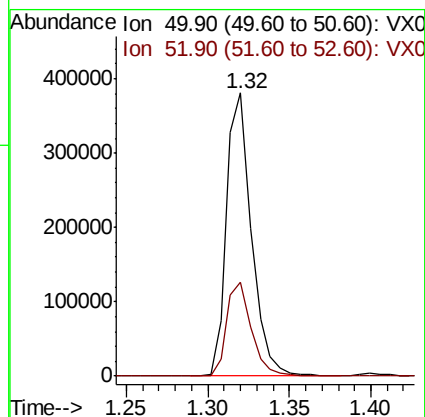
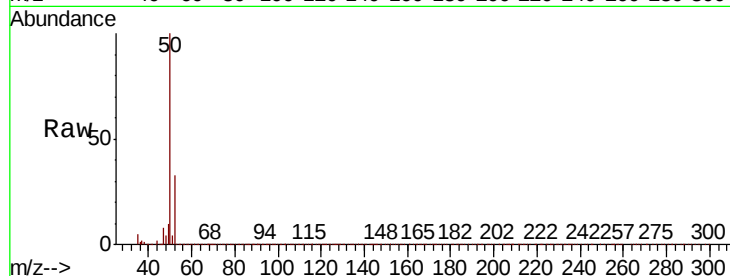
52 33.0 26.0 39.0

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#4

Vinyl Chloride

Concen: 49.124 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013744.D

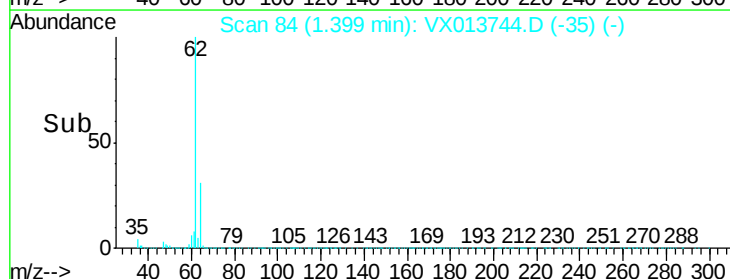
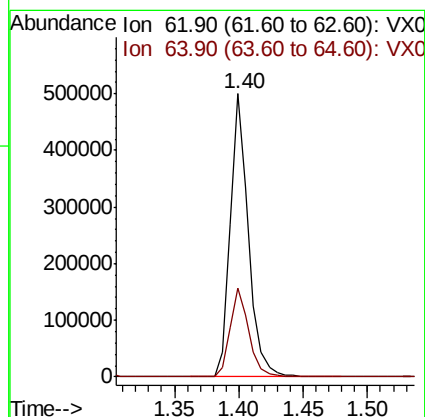
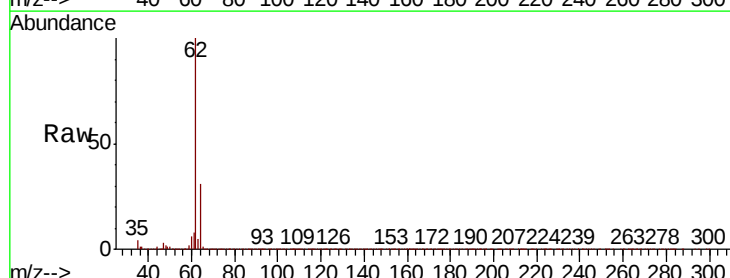
Acq: 04 Dec 2019 11:49

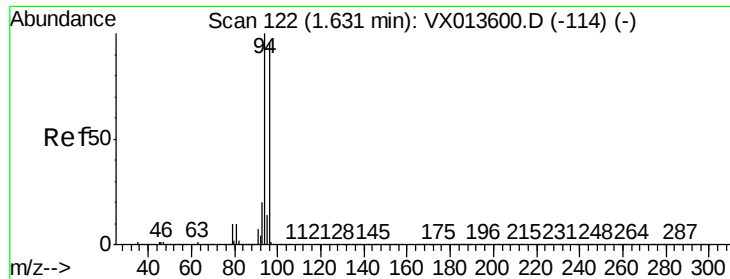
Tgt Ion: 62 Resp: 495492

Ion Ratio Lower Upper

62 100

64 31.1 26.0 39.0





#5

Bromomethane

Concen: 44.133 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 298949

Ion Ratio Lower Upper

94 100

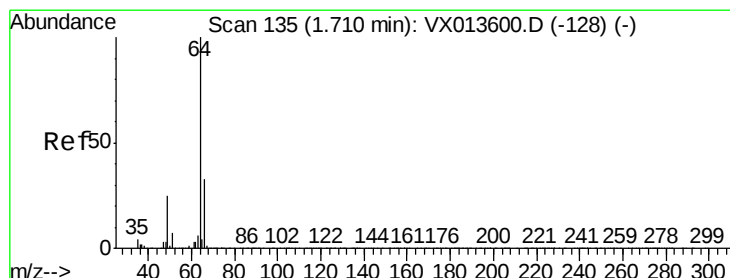
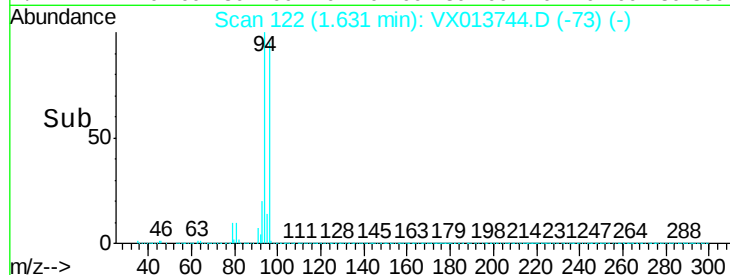
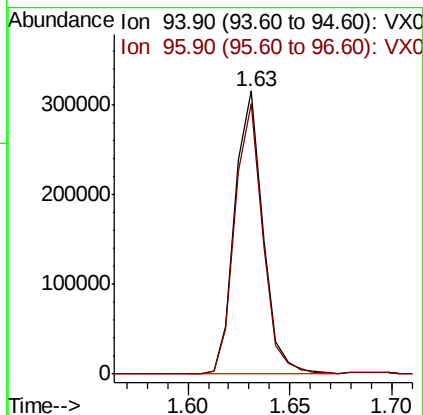
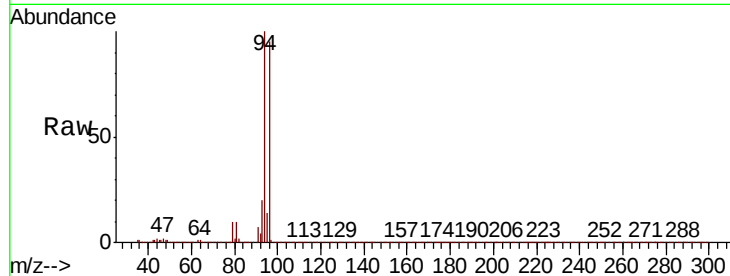
96 95.4 77.0 115.4

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#6

Chloroethane

Concen: 45.979 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013744.D

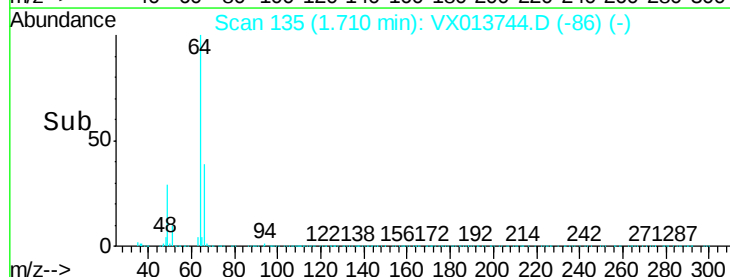
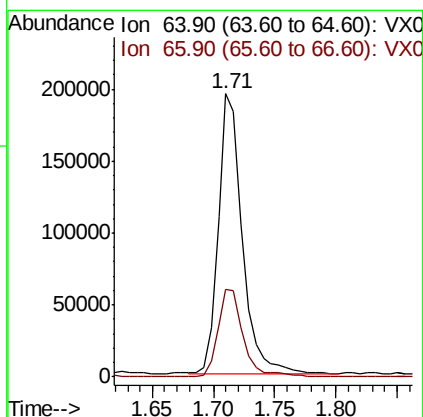
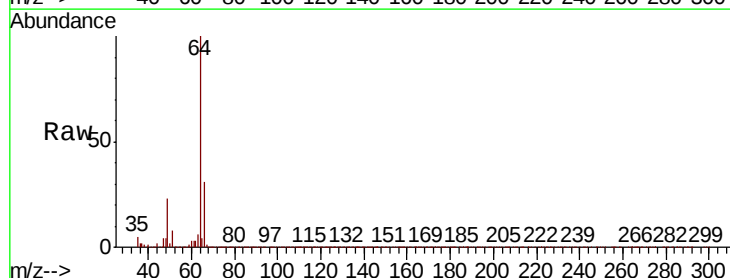
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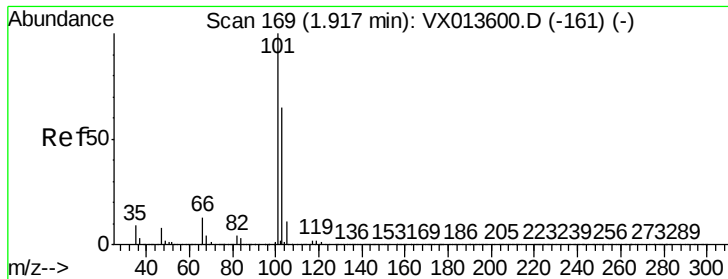
Tgt Ion: 64 Resp: 263907

Ion Ratio Lower Upper

64 100

66 31.1 26.7 40.1





#7

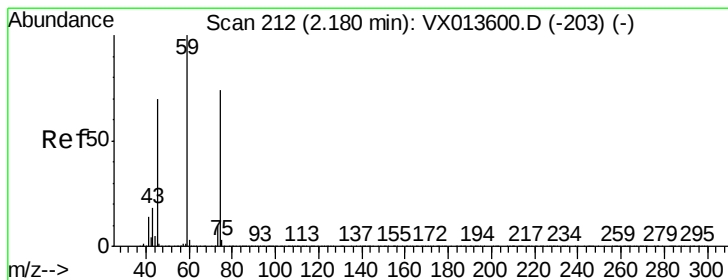
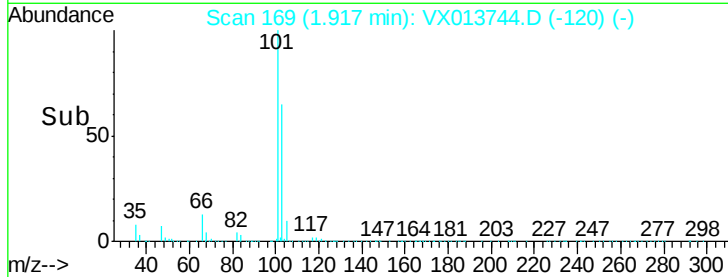
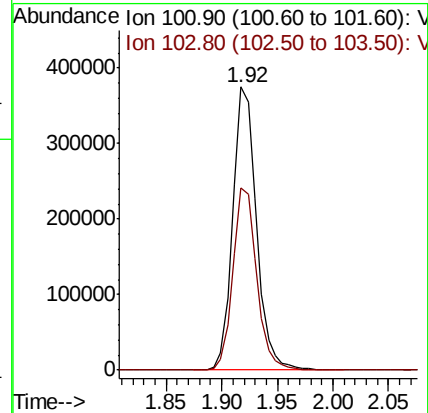
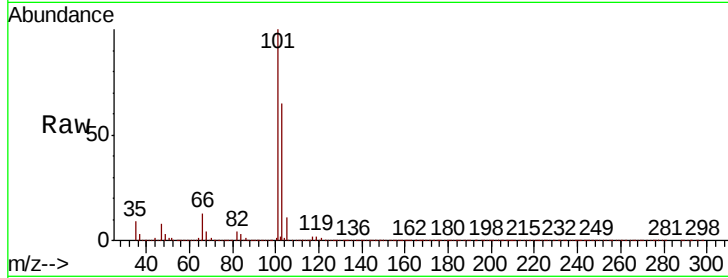
Trichlorofluoromethane
Concen: 49.369 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

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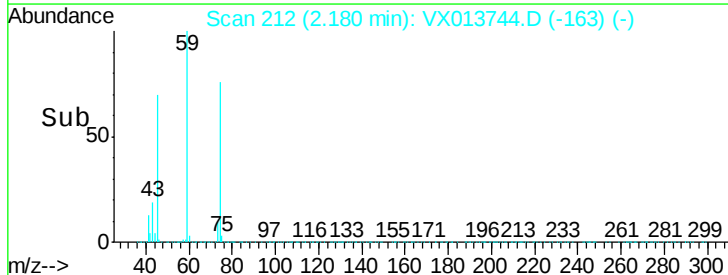
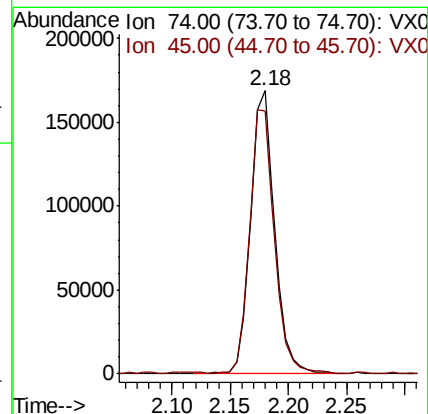
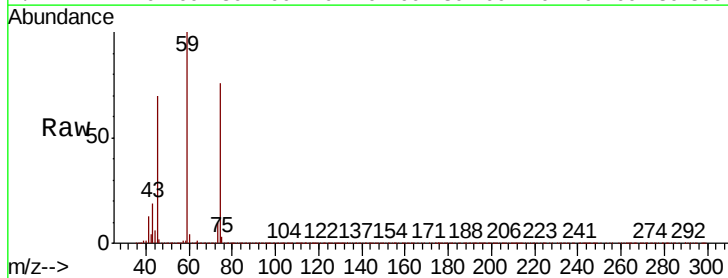
apatel
12/5/2019 11:25:07 AM

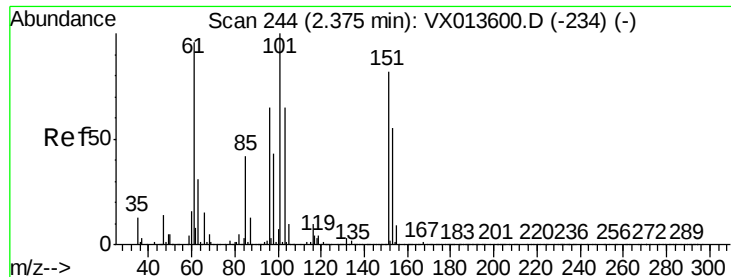


#8

Diethyl Ether
Concen: 48.389 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.290 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

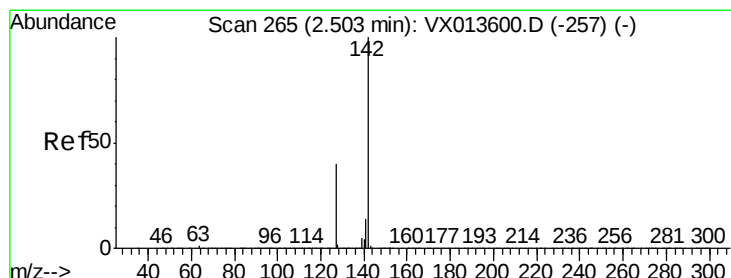
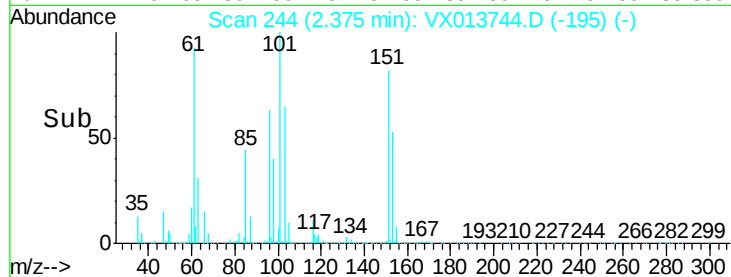
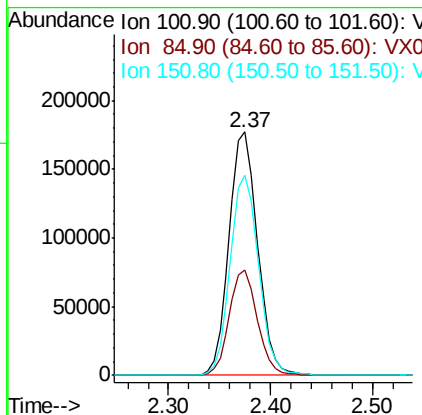
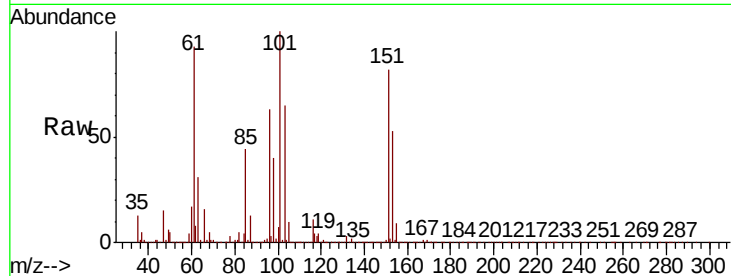
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	344044
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.9	50.9
151	82.0	64.2	96.2

Manual Integrations
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#10

Methyl Iodide

Concen: 41.945 ug/l

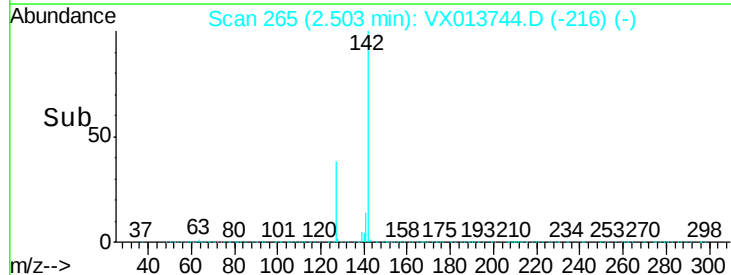
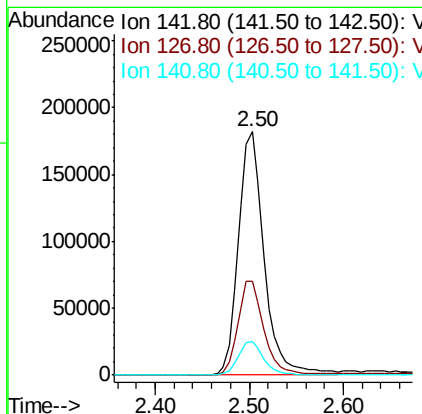
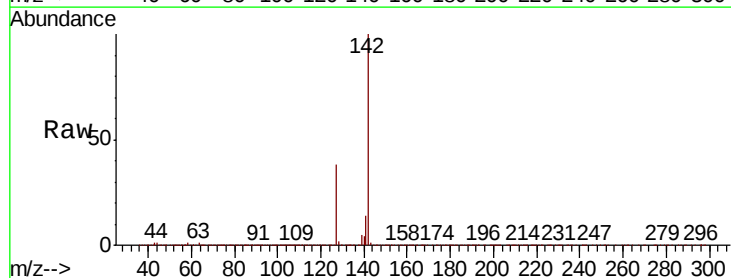
RT: 2.50 min Scan# 265

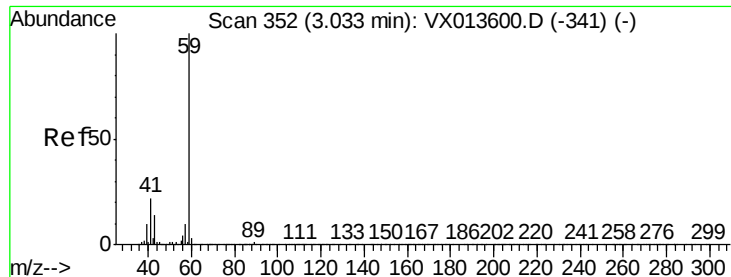
Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion:	142	Resp:	347115
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.0	46.4
141	13.8	11.6	17.4





#11

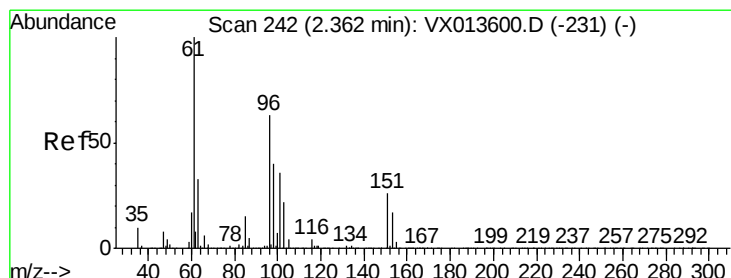
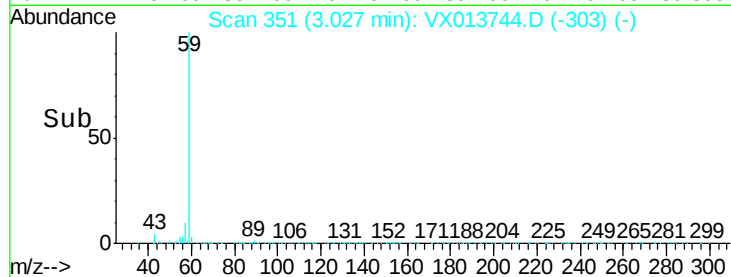
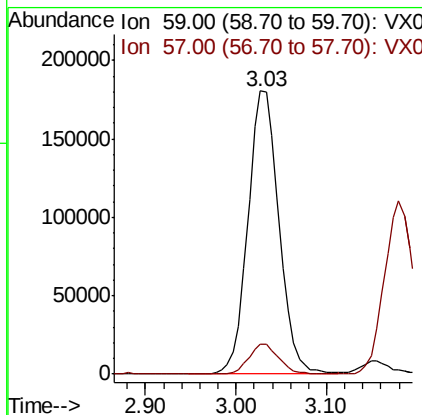
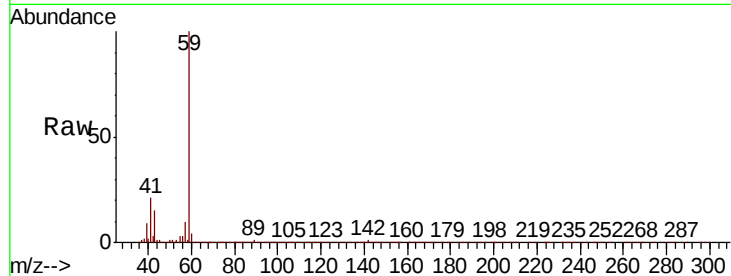
Tert butyl alcohol
Concen: 207.595 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.6

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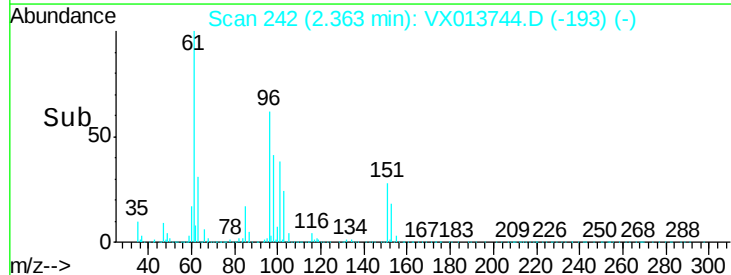
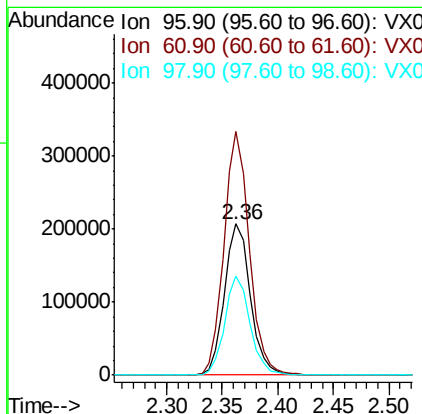
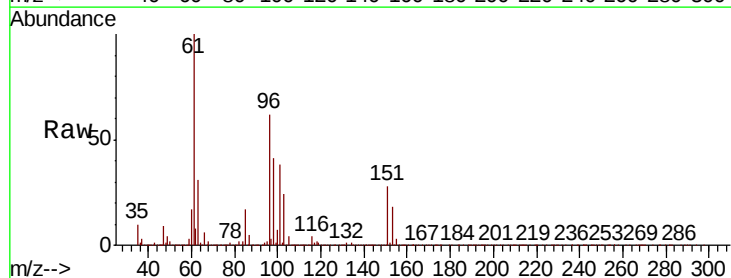
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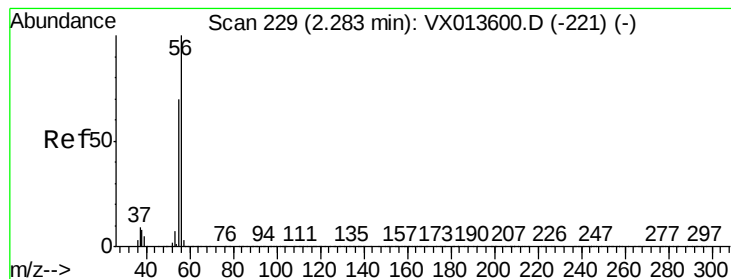


#12

1,1-Dichloroethene
Concen: 48.740 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	126.6	190.0
98	65.6	50.6	76.0





#13

Acrolein

Concen: 242.902 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 333732

Ion Ratio Lower Upper

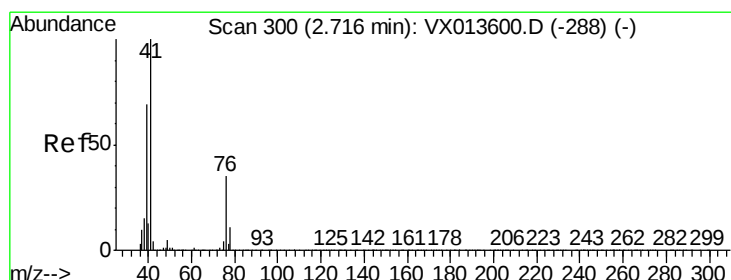
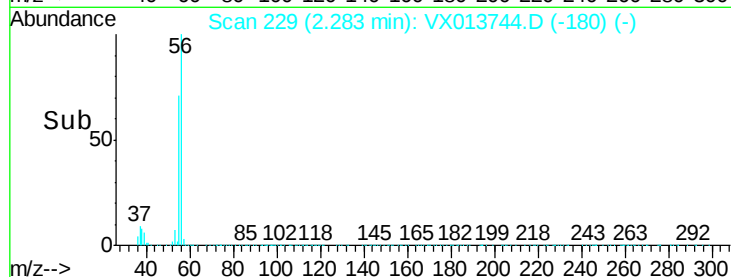
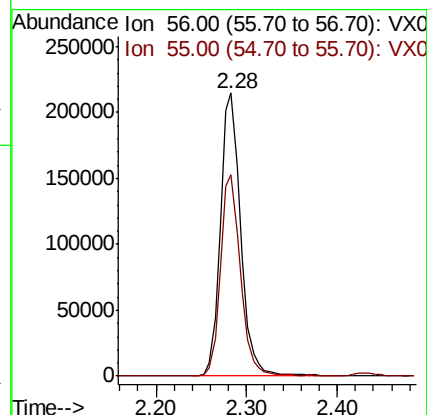
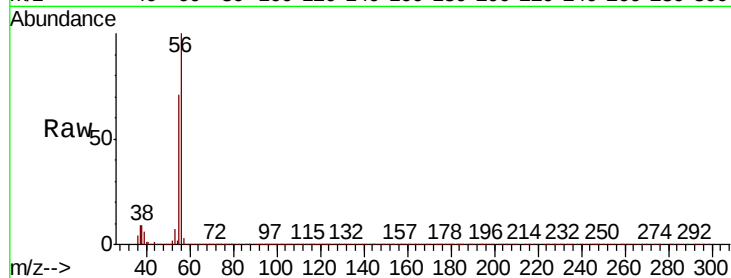
56 100

55 70.1 56.2 84.4

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#14

Allyl chloride

Concen: 48.407 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

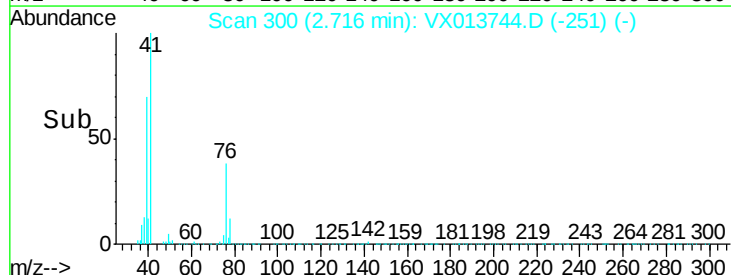
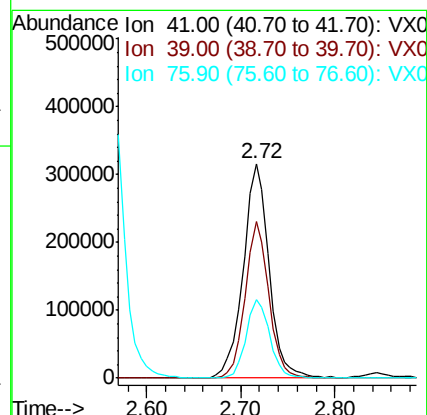
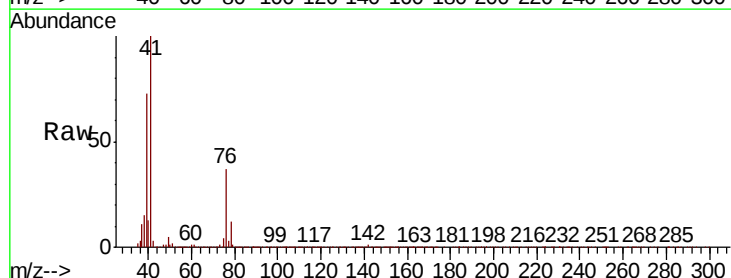
Tgt Ion: 41 Resp: 599877

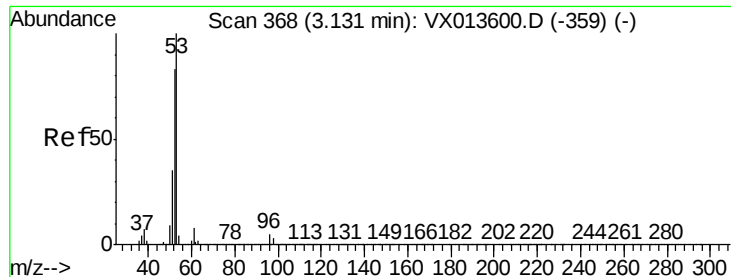
Ion Ratio Lower Upper

41 100

39 66.8 51.7 77.5

76 33.2 25.9 38.9





#15

Acrylonitrile

Concen: 233.148 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

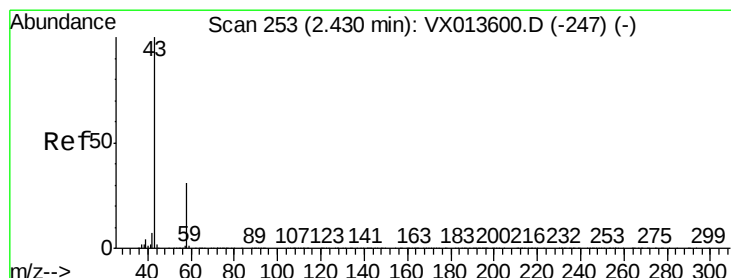
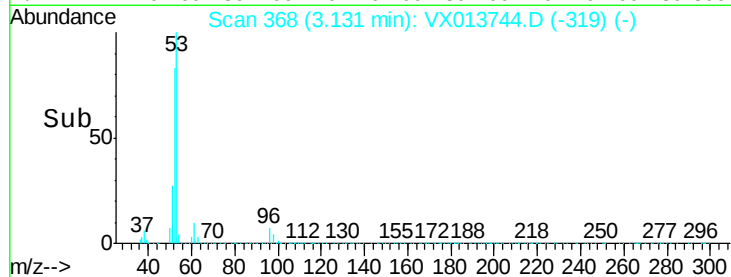
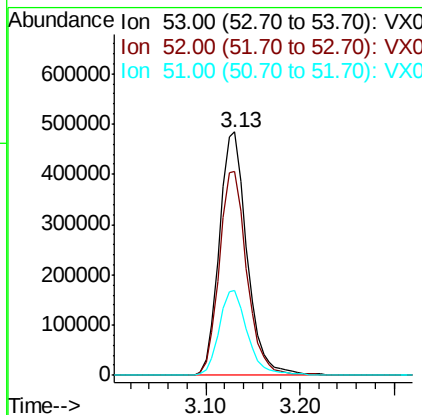
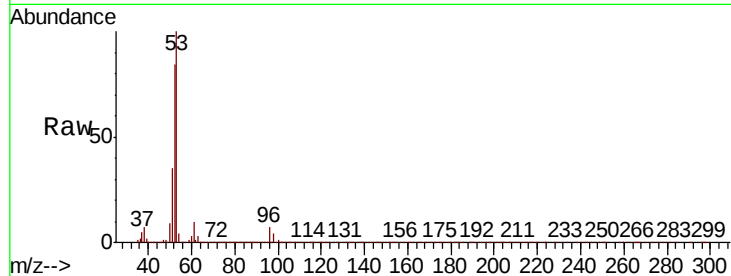
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	989416
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.2	99.2
51	35.9	29.0	43.6

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#16

Acetone

Concen: 262.002 ug/l

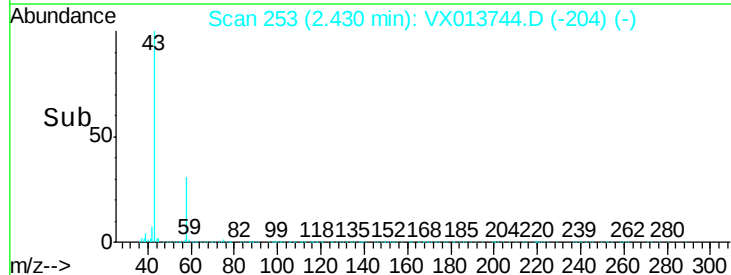
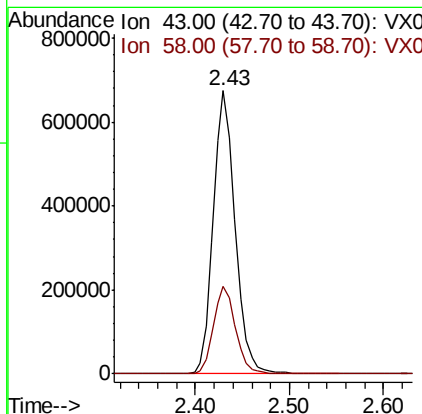
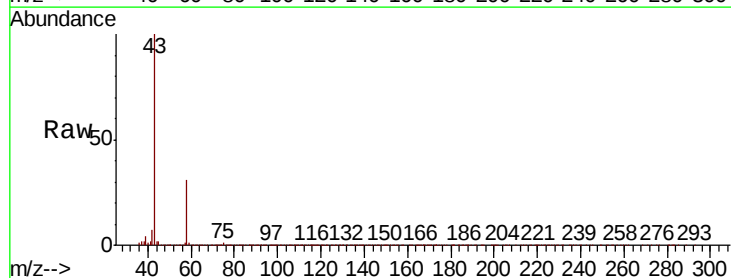
RT: 2.43 min Scan# 253

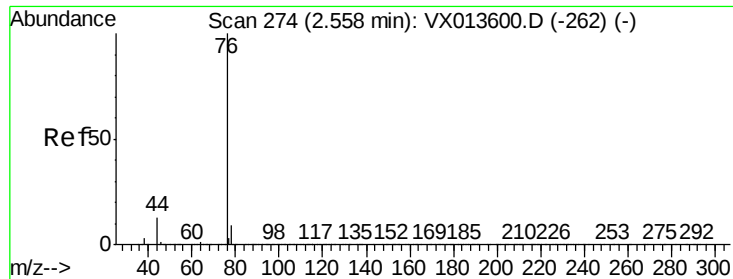
Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion:	43	Resp:	1077400
Ion Ratio	Lower	Upper	
43	100		
58	31.1	24.6	36.8





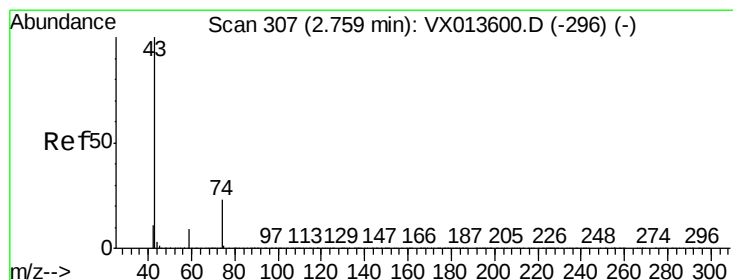
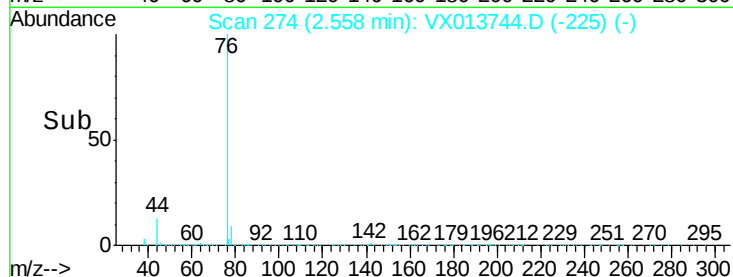
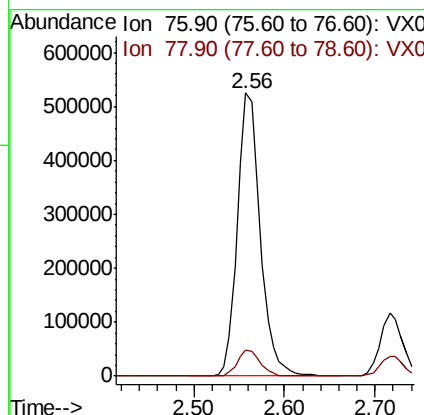
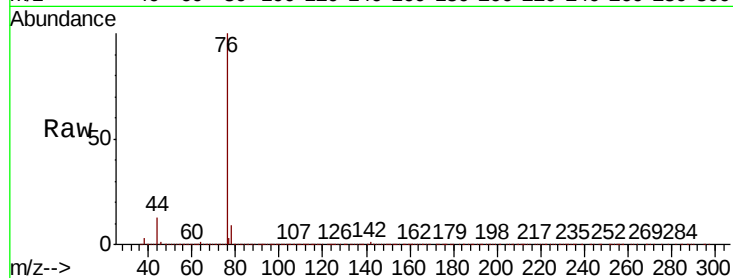
#17
Carbon Disulfide
Concen: 47.258 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

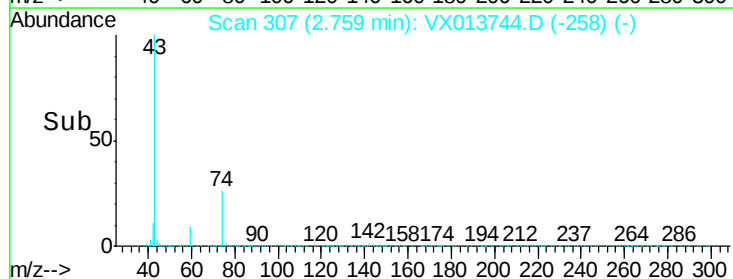
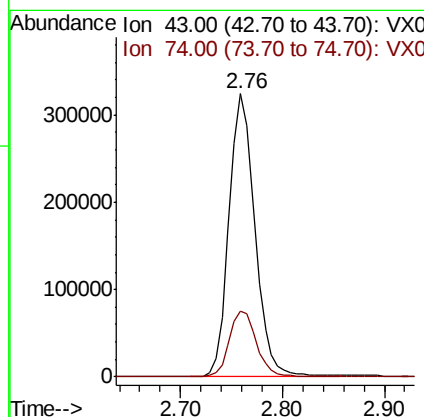
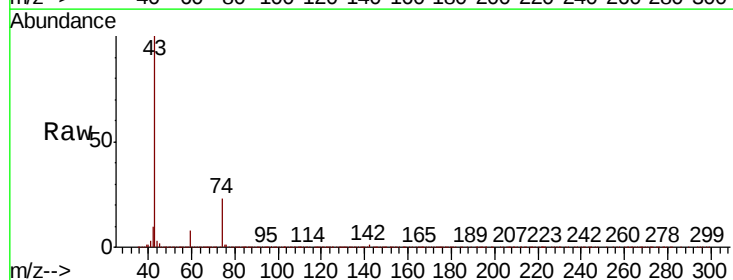
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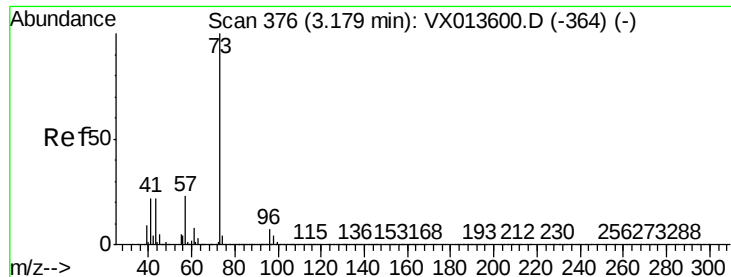
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#18
Methyl Acetate
Concen: 49.627 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.5	29.3





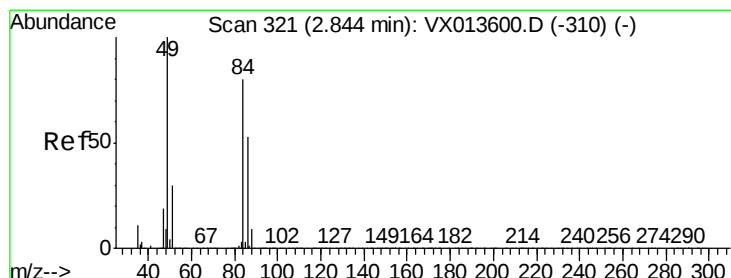
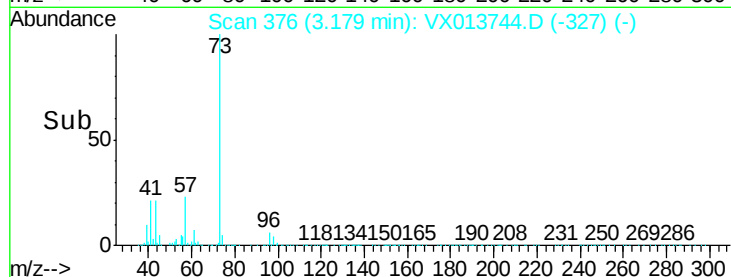
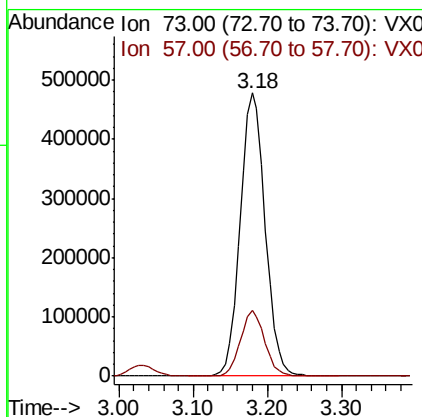
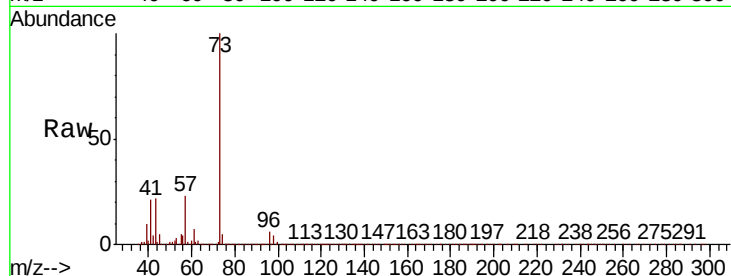
#19
Methvl tert-butvl Ether
Concen: 49.622 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1122546
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

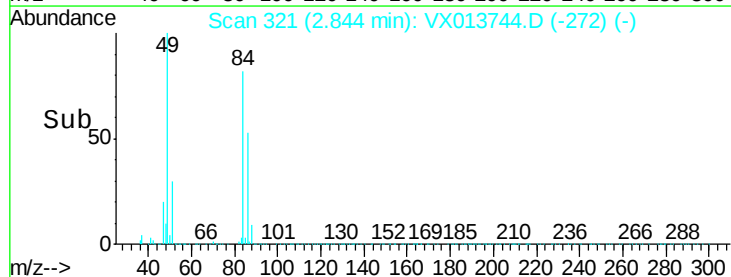
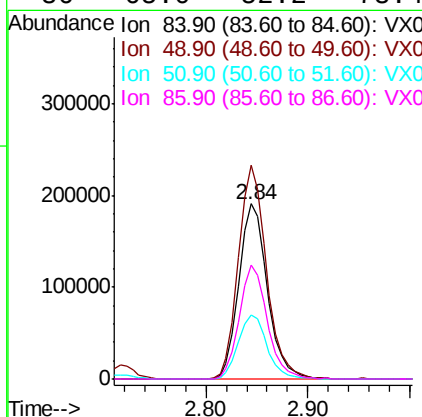
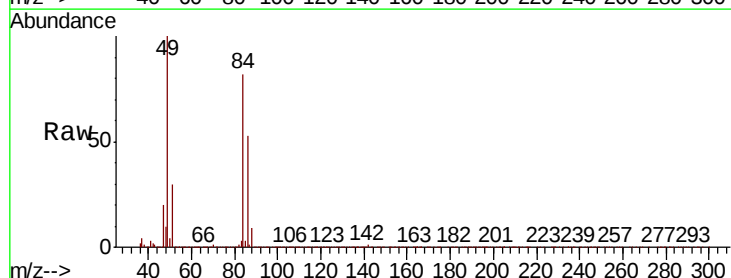
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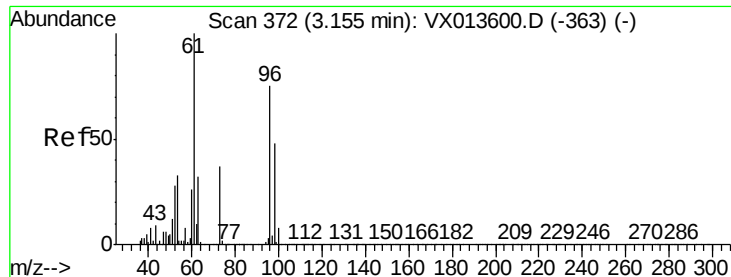
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#20
Methylene Chloride
Concen: 46.969 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion: 84 Resp: 371067
Ion Ratio Lower Upper
84 100
49 121.8 99.7 149.5
51 36.4 29.9 44.9
86 65.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 47.983 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

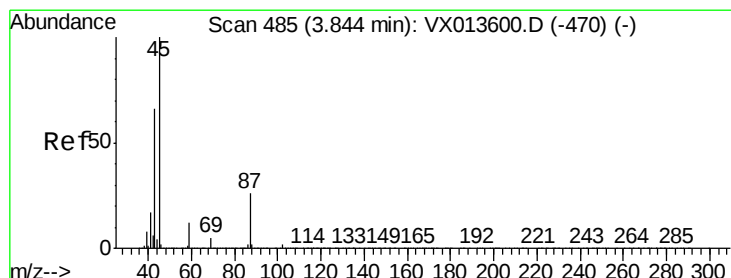
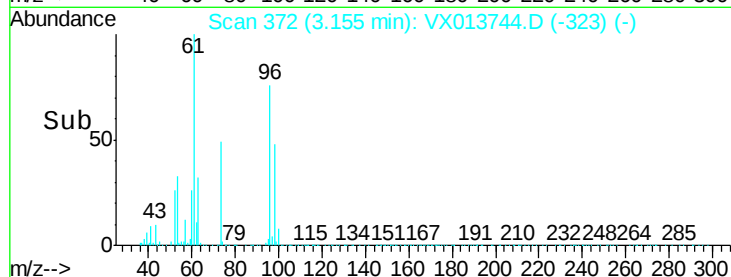
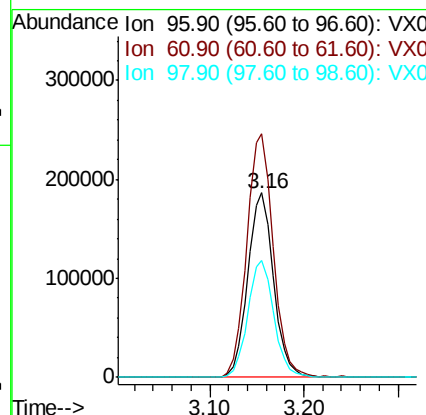
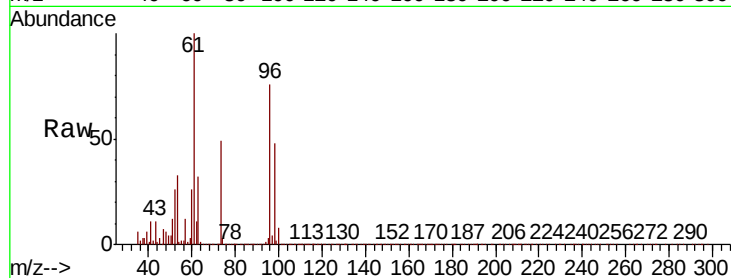
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	356948
Ion	Ratio	Lower	Upper
96	100		
61	132.0	107.2	160.8
98	63.1	51.4	77.0

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#22

Diisopropyl ether

Concen: 49.141 ug/l

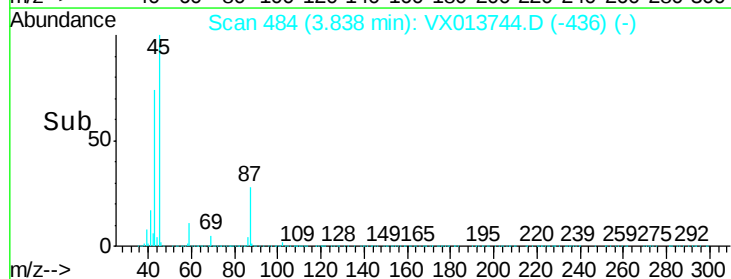
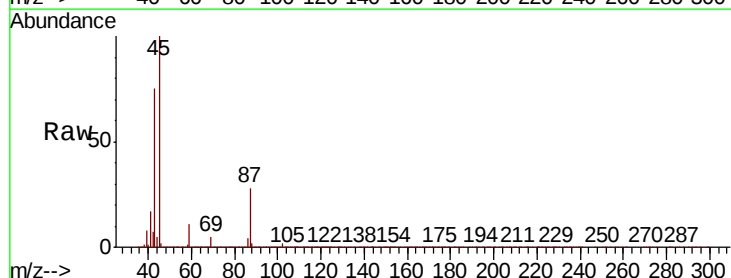
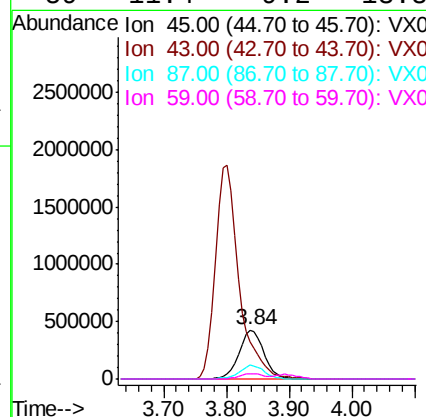
RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion:	45	Resp:	1172600
Ion	Ratio	Lower	Upper
45	100		
43	74.3	52.6	79.0
87	27.6	21.1	31.7
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 245.794 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4879172

Ion Ratio Lower Upper

43 100

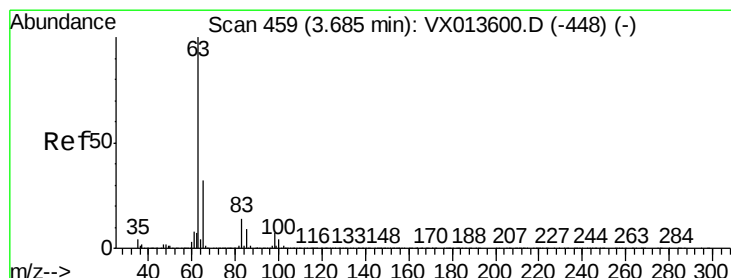
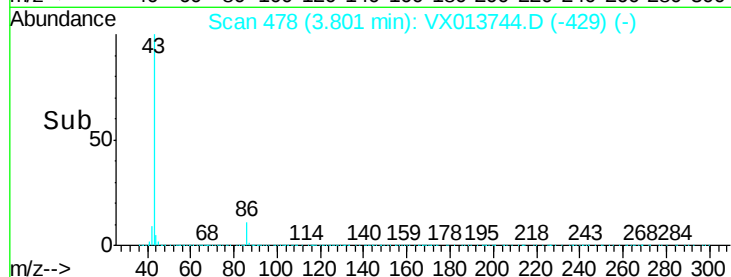
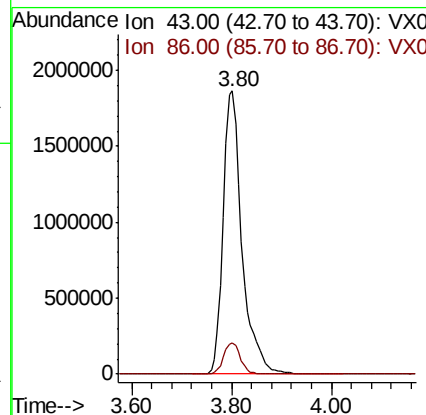
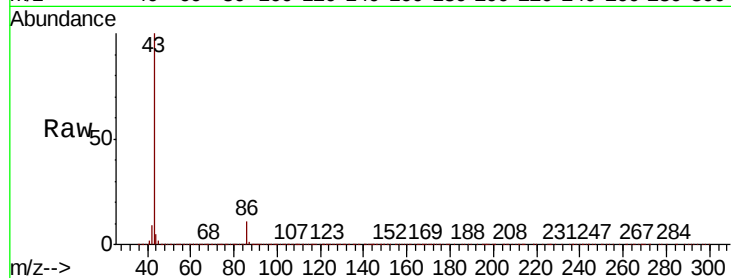
86 11.1 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 49.448 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

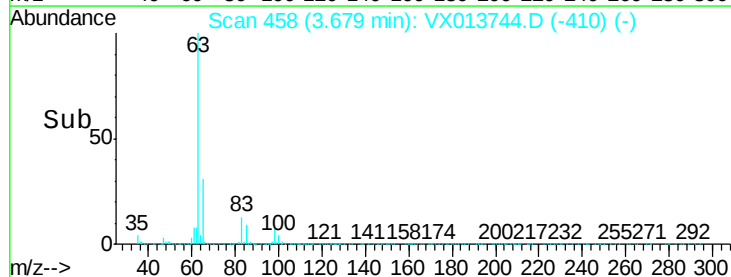
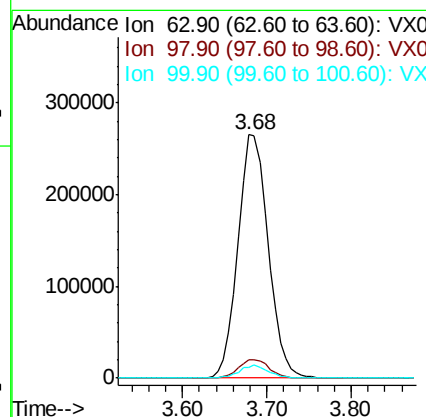
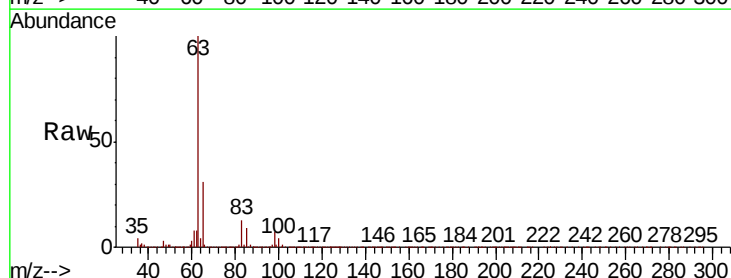
Tgt Ion: 63 Resp: 645027

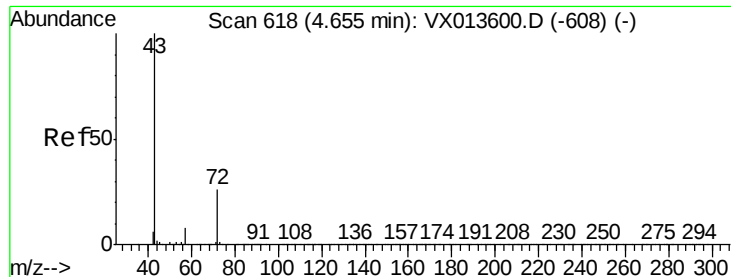
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 244.631 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1495058

Ion Ratio Lower Upper

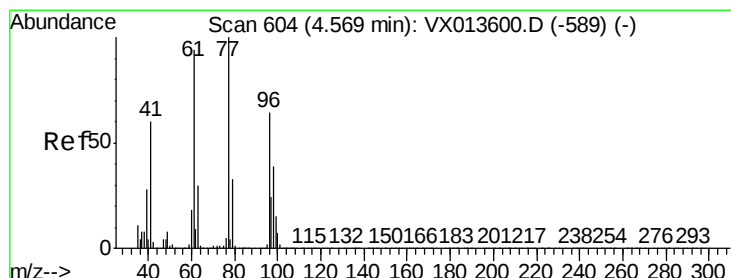
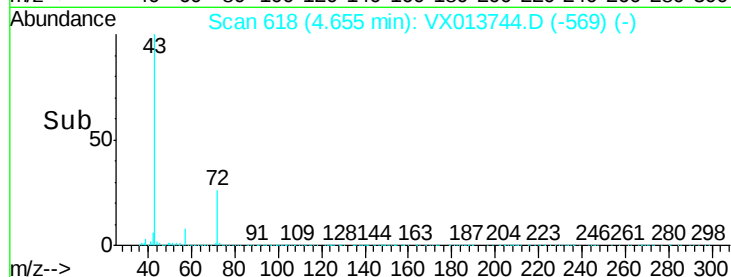
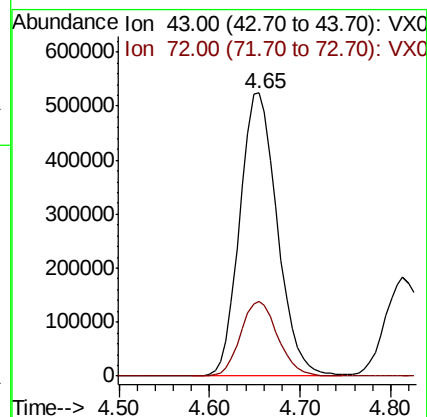
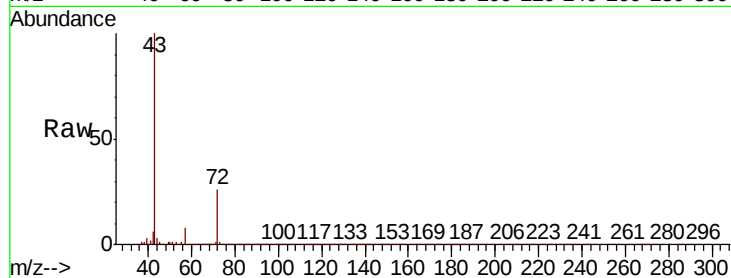
43 100

72 26.2 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 51.372 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013744.D

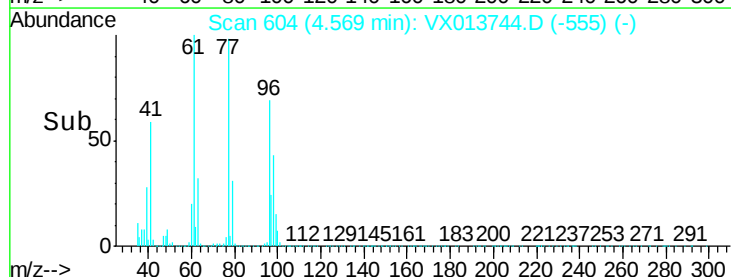
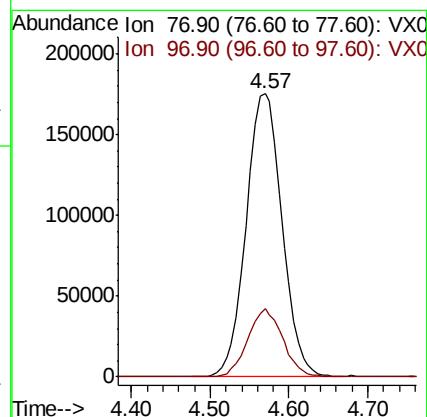
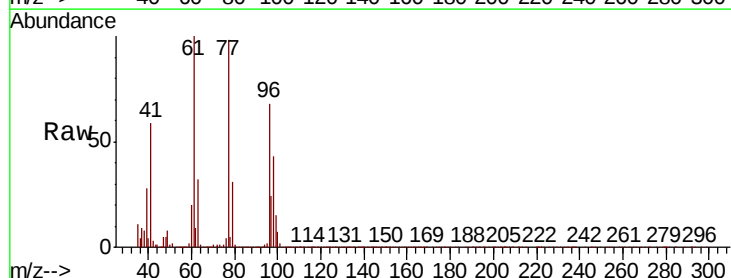
Acq: 04 Dec 2019 11:49

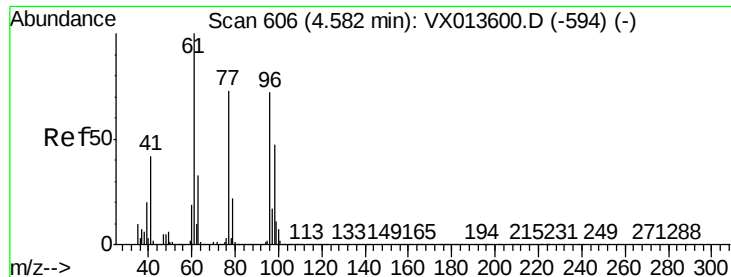
Tgt Ion: 77 Resp: 554442

Ion Ratio Lower Upper

77 100

97 23.3 12.0 36.1





#27

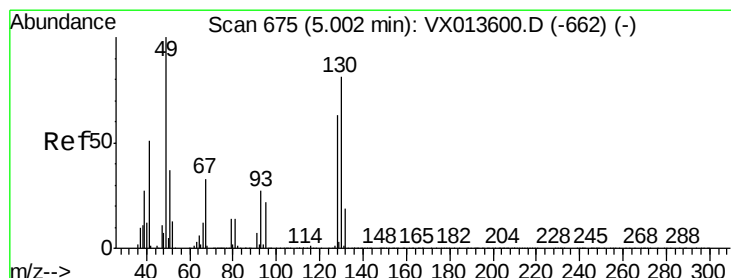
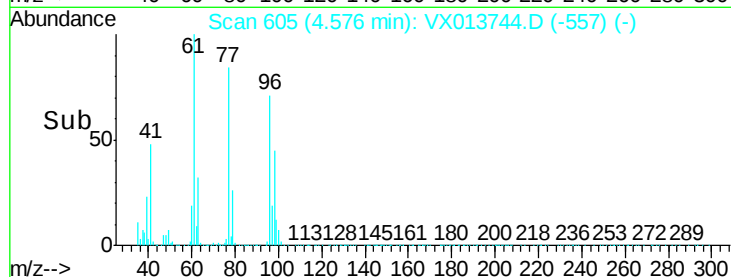
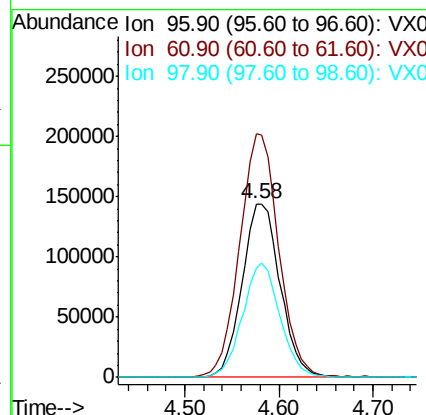
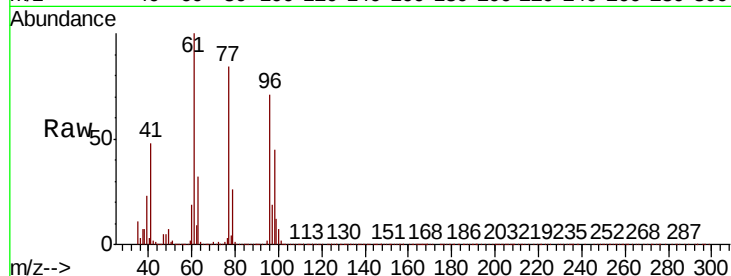
cis-1,2-Dichloroethene
Concen: 47.610 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	406738		
61	144.1	0.0	286.4	
98	65.0	0.0	127.4	

Manual Integrations
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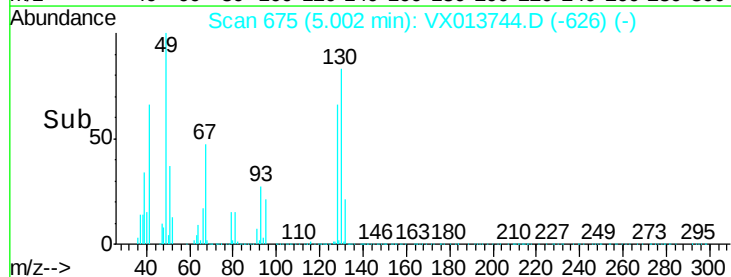
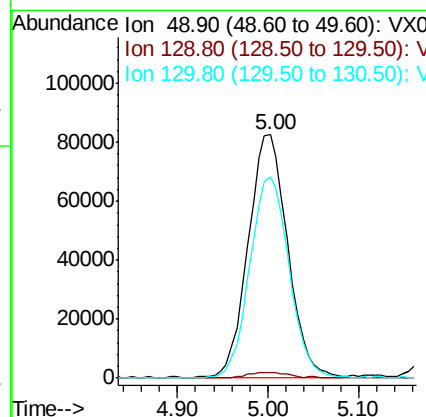
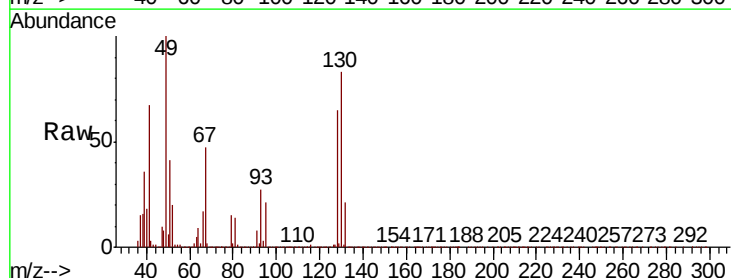
apatel
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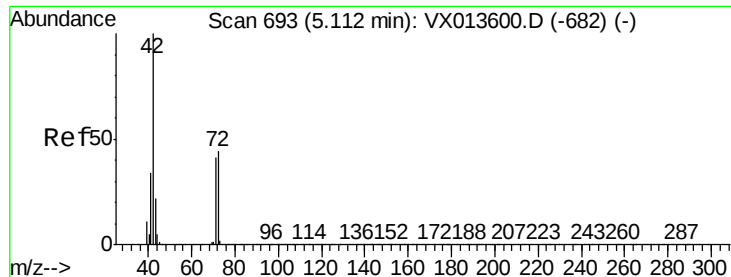


#28

Bromochloromethane
Concen: 48.067 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	247784		
129	2.8	0.0	5.0	
130	82.9	65.4	98.0	





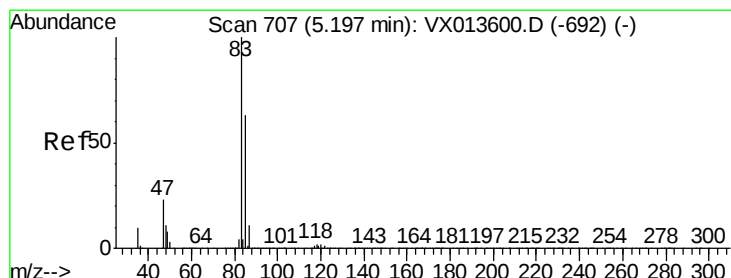
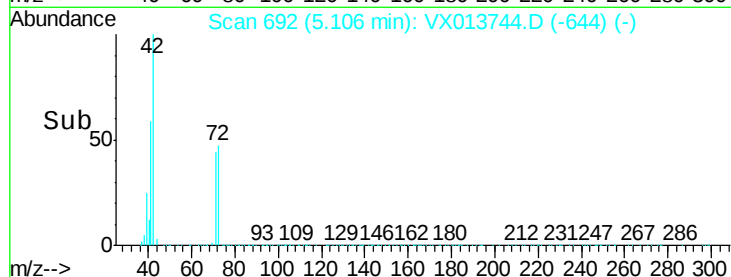
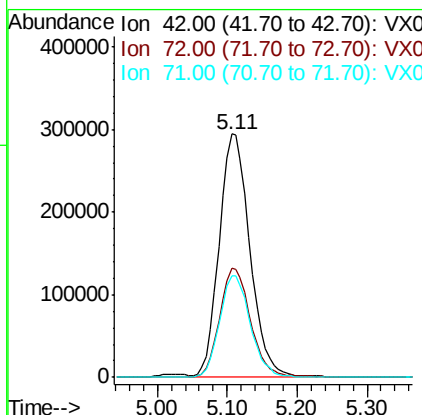
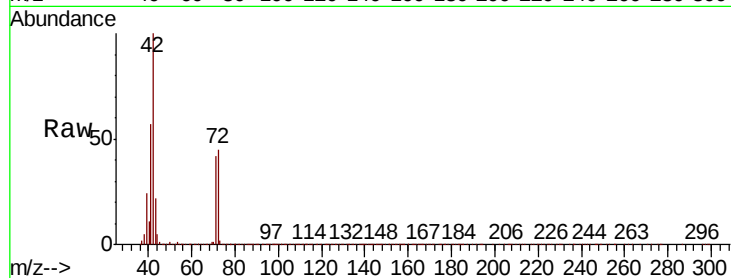
#29
Tetrahydrofuran
Concen: 237.324 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.3	54.5
71	42.0	33.2	49.8

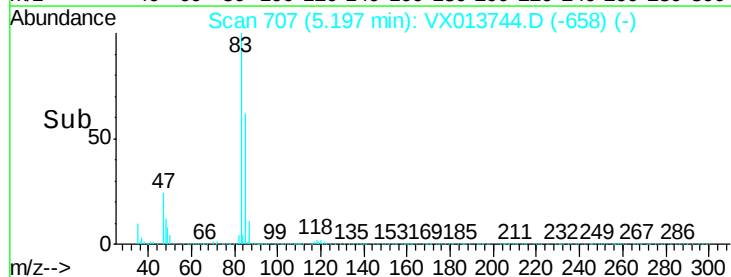
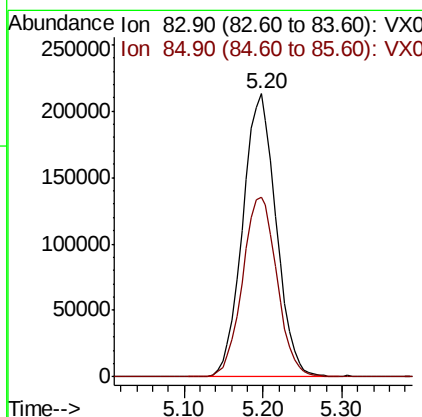
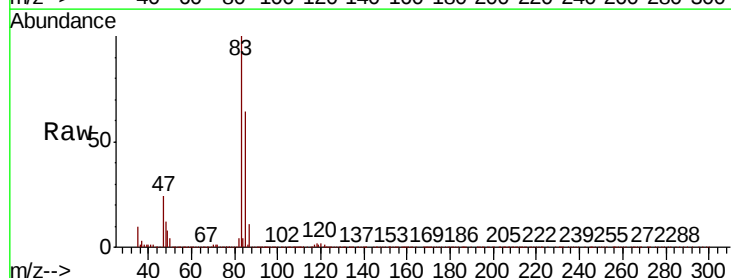
Manual Integrations
APPROVED

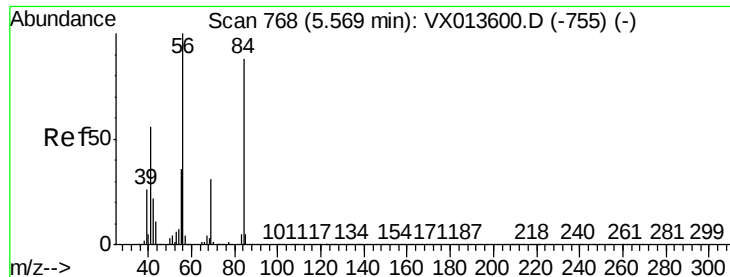
apatel
12/5/2019 11:25:07 AM



#30
Chloroform
Concen: 47.433 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.2	75.4





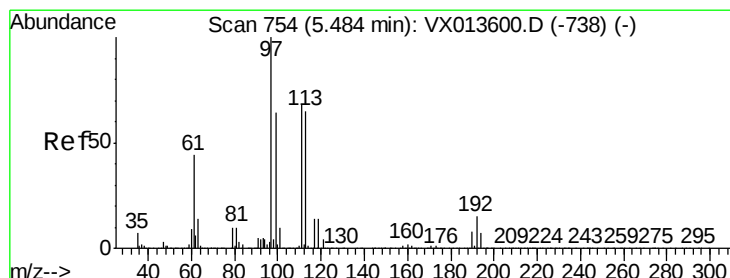
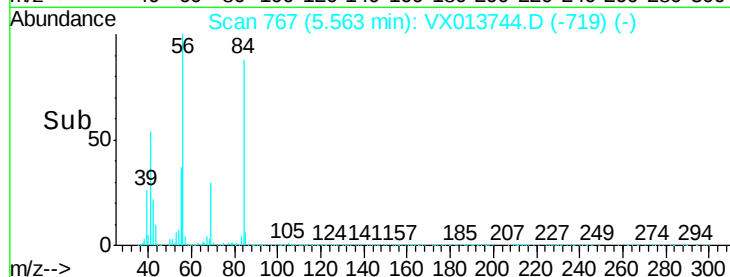
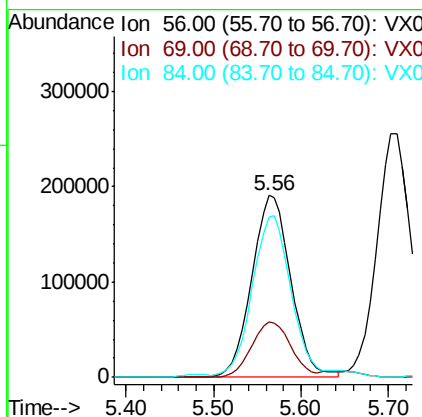
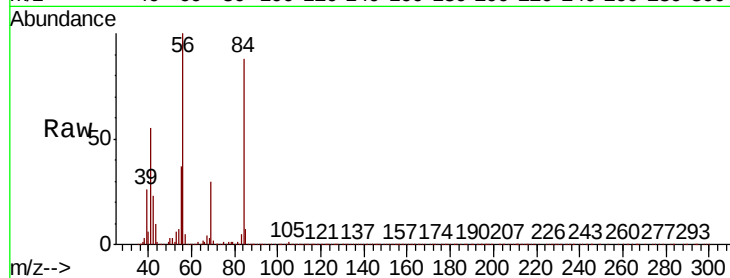
#31
Cyclohexane
Concen: 48.210 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.6	36.8
84	86.6	70.0	105.0

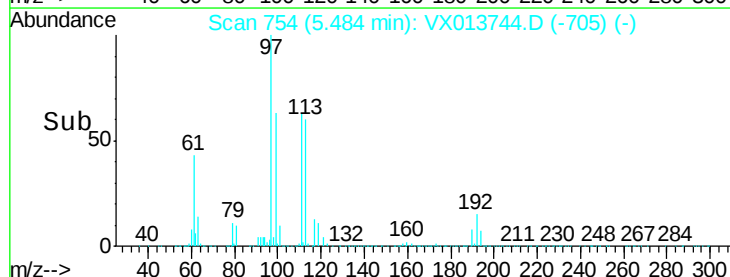
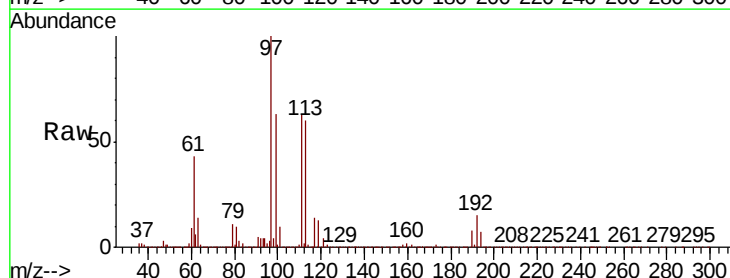
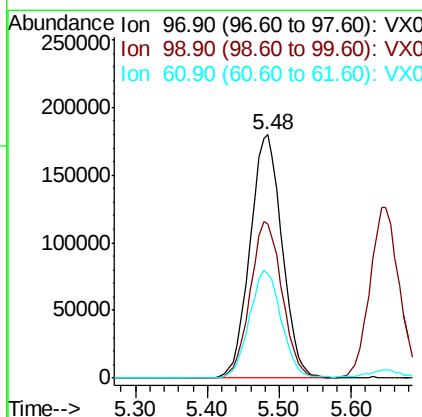
Manual Integrations
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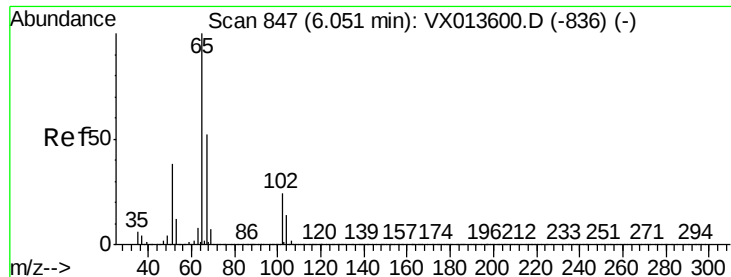
apatel
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#32
1,1,1-Trichloroethane
Concen: 50.323 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	43.8	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 45.244 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 376846

Ion Ratio Lower Upper

65 100

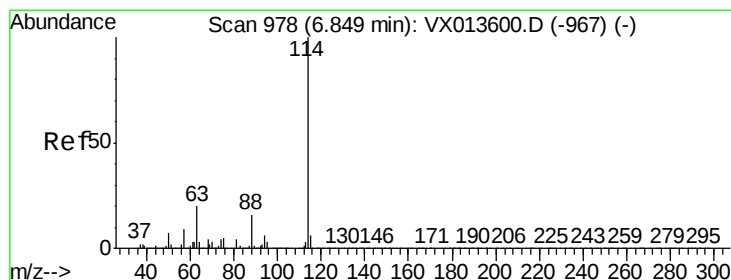
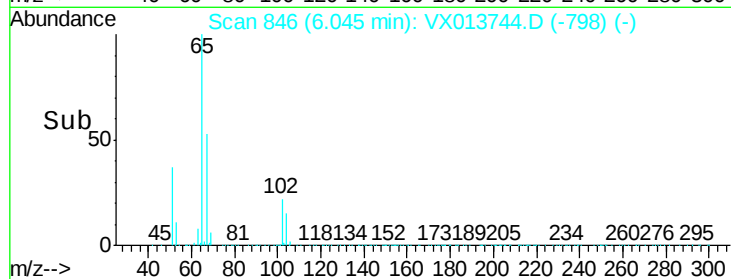
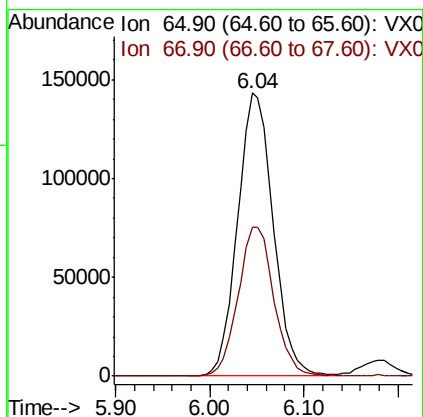
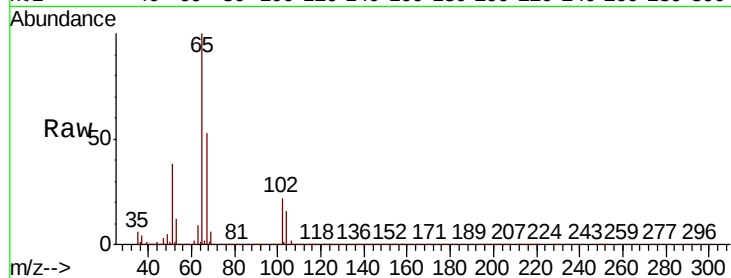
67 53.1 0.0 104.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

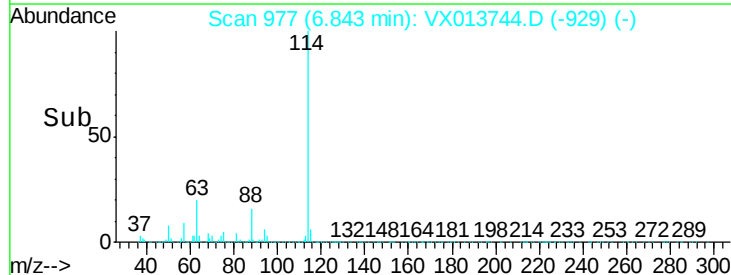
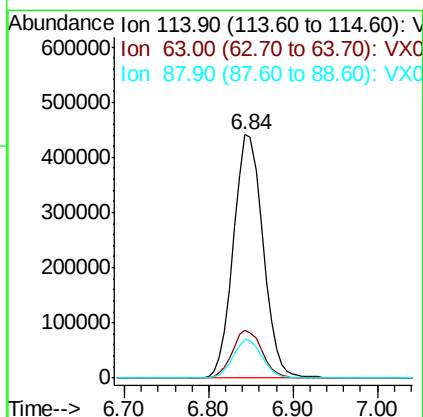
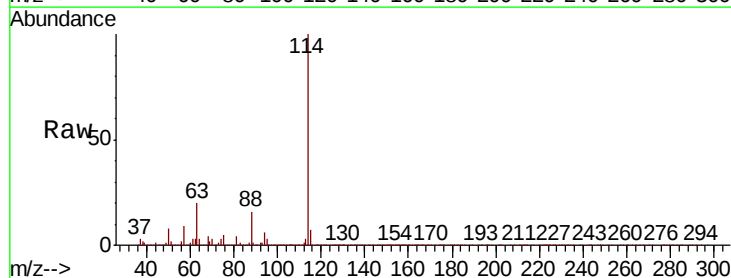
Tgt Ion: 114 Resp: 1050839

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.821 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

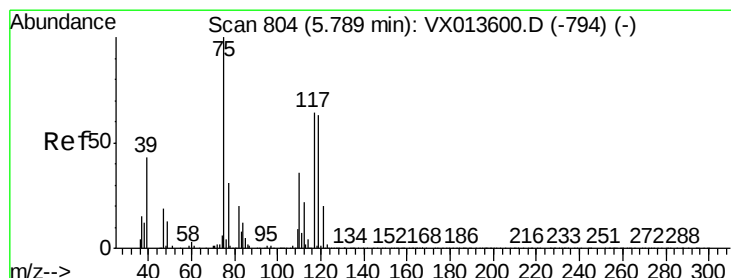
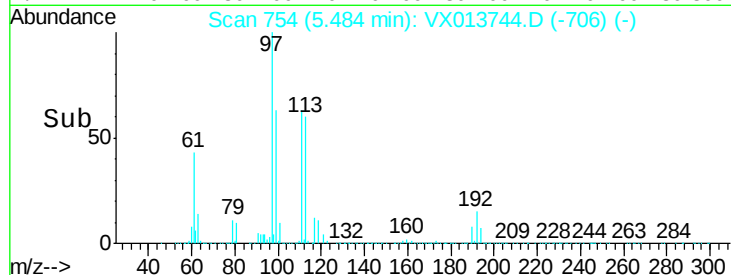
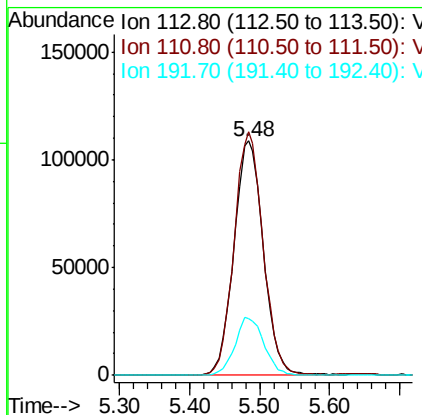
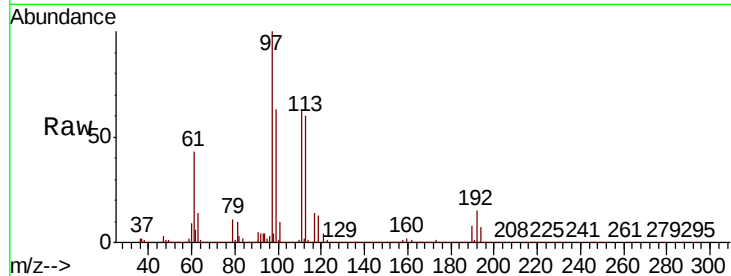
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	317162
Ion Ratio	Lower	Upper	
113	100		
111	101.4	83.6	125.4
192	24.6	19.2	28.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.197 ug/l

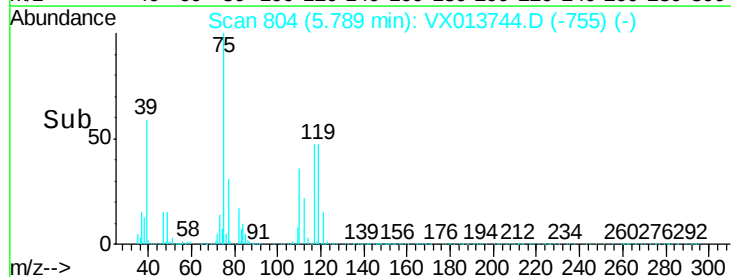
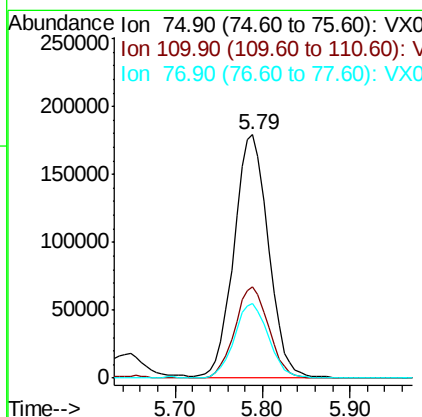
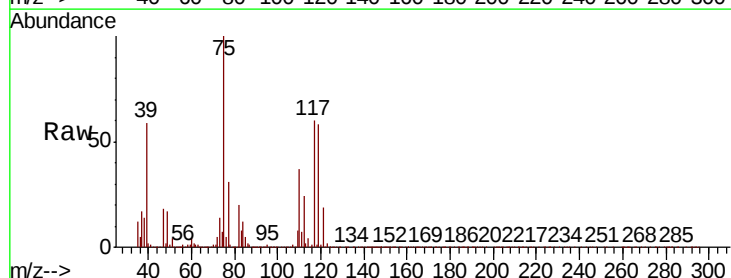
RT: 5.79 min Scan# 804

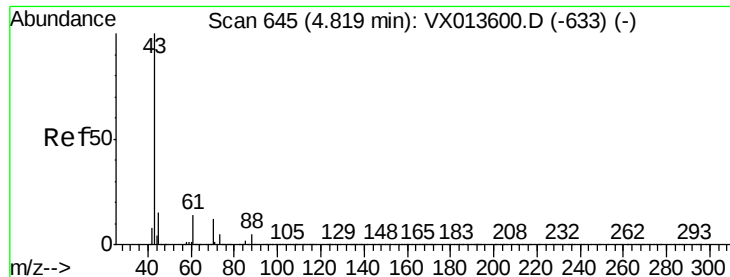
Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion:	75	Resp:	488370
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.1	54.1
77	30.3	24.5	36.7





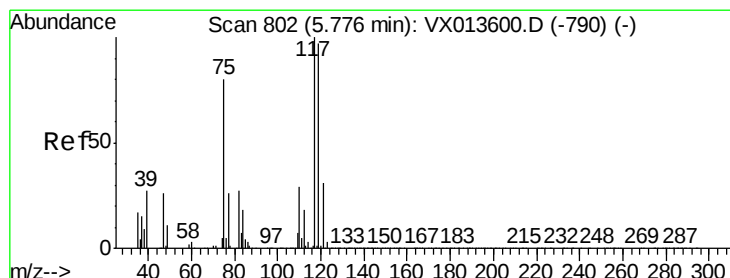
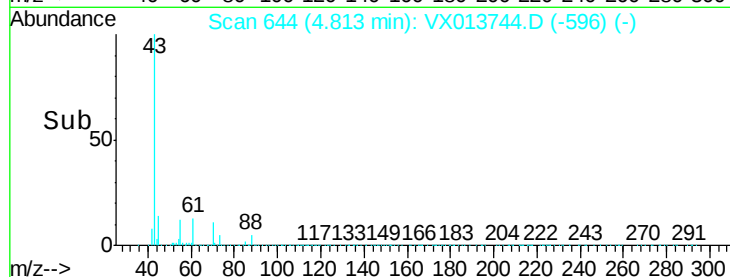
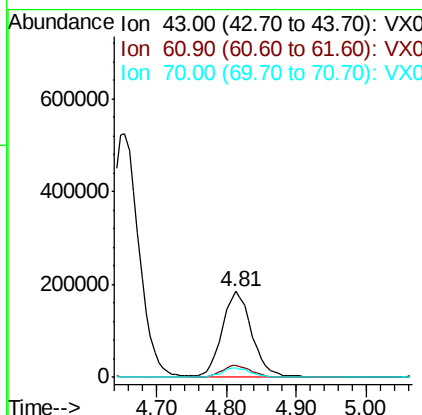
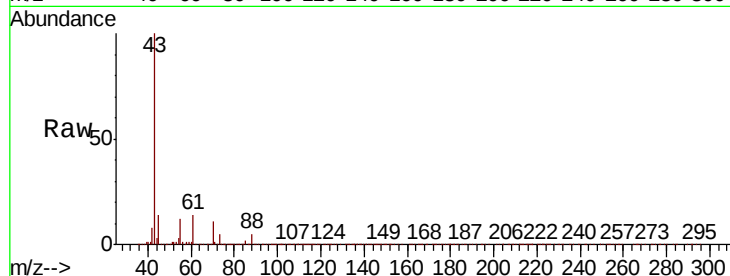
#37
Ethyl Acetate
Concen: 50.643 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	541943
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.8	8.6	12.8

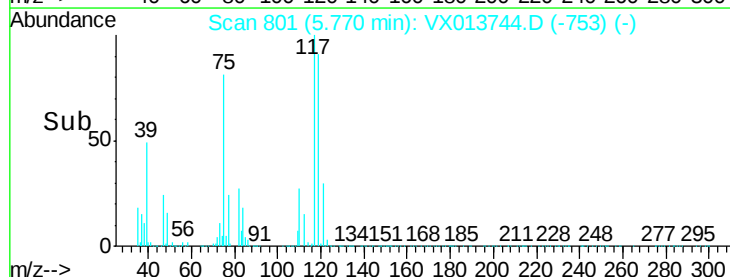
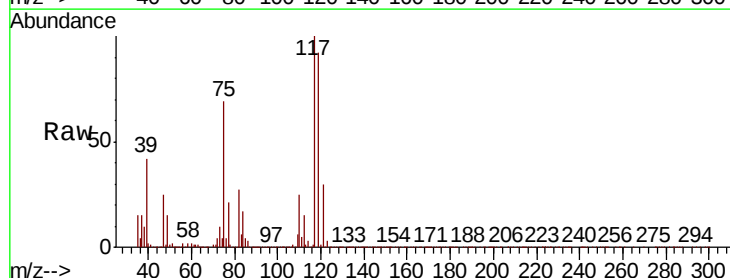
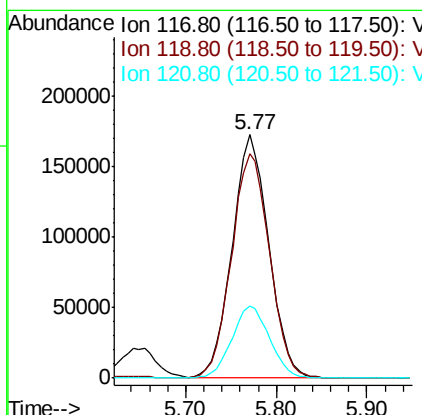
Manual Integrations
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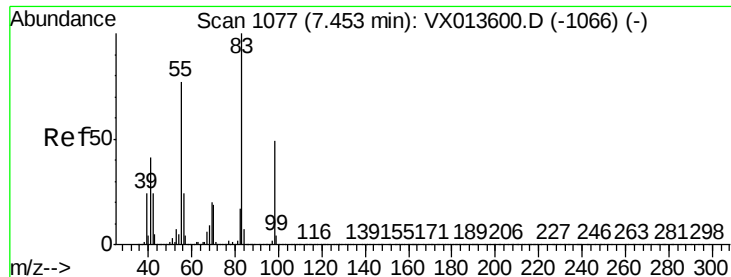
apatel
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#38
Carbon Tetrachloride
Concen: 54.509 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion:	117	Resp:	479451
Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.5	116.3
121	29.7	25.0	37.6





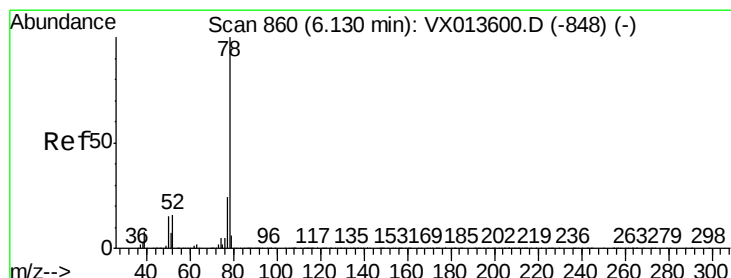
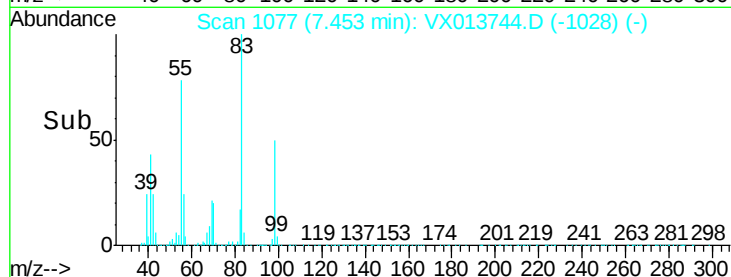
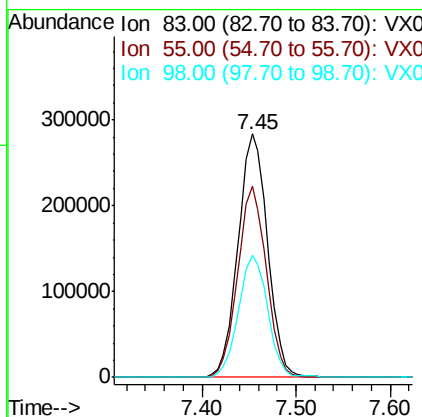
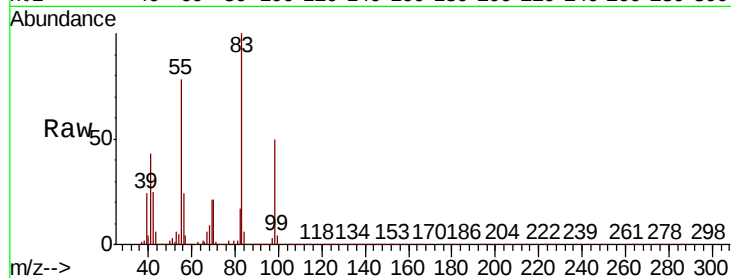
#39
Methvlcvclohexane
Concen: 52.674 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.9	92.9
98	50.1	39.4	59.0

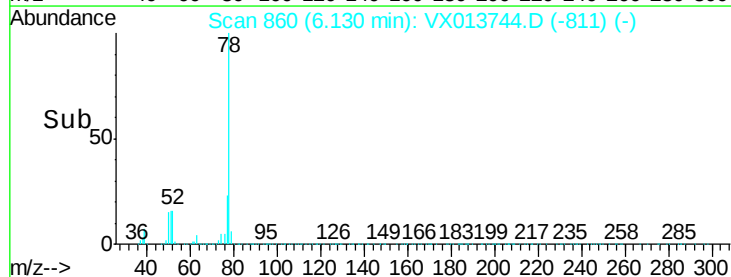
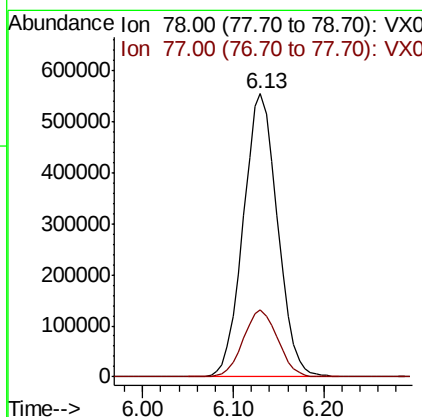
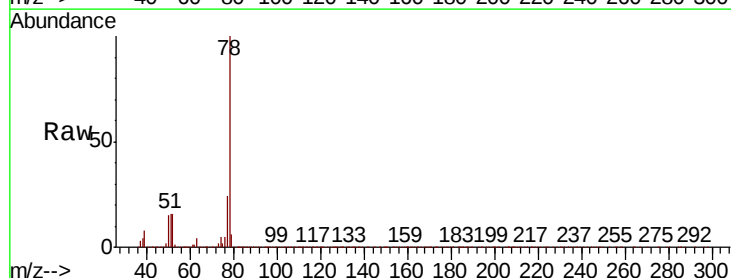
Manual Integrations
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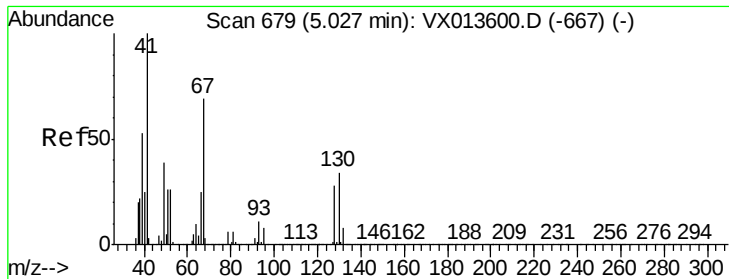
apatel
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#40
Benzene
Concen: 49.747 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





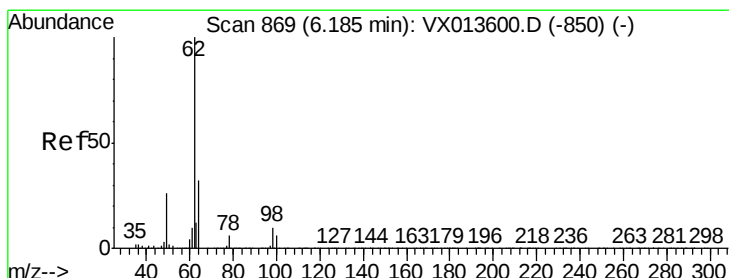
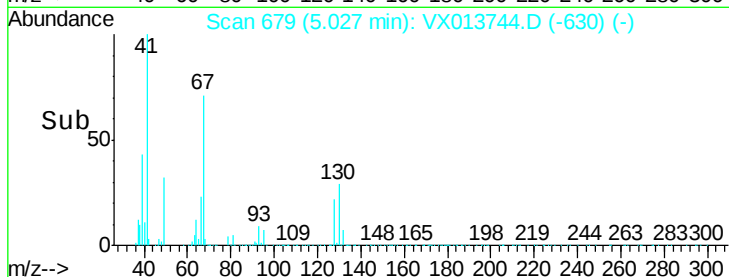
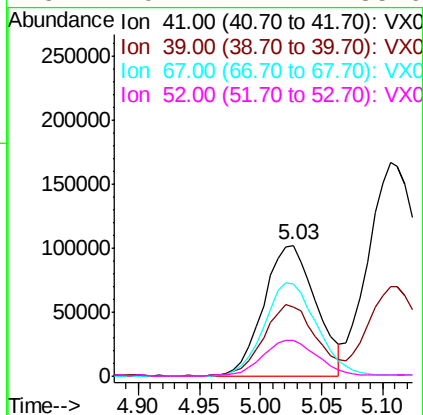
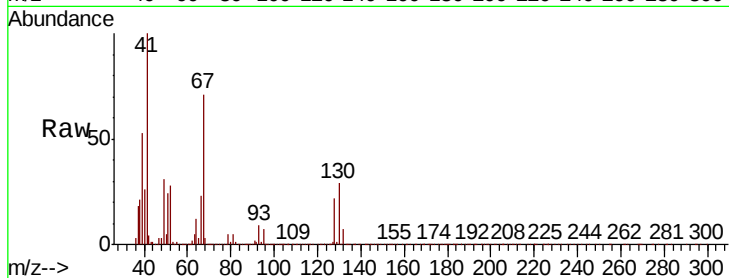
#41
Methacrylonitrile
Concen: 51.579 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
302708	41	100		
	39	55.7	42.9	64.3
	67	72.5	57.4	86.0
	52	29.1	22.4	33.6

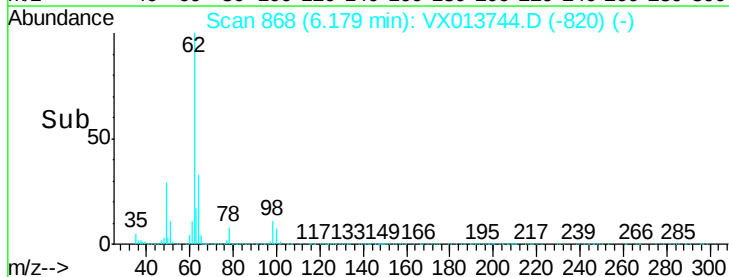
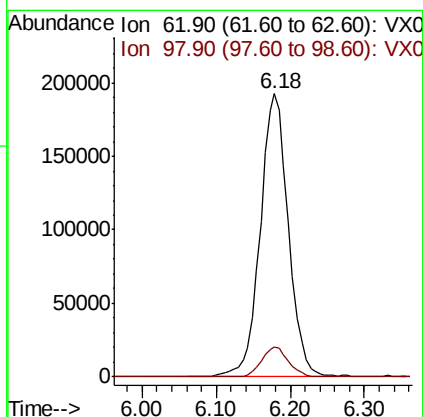
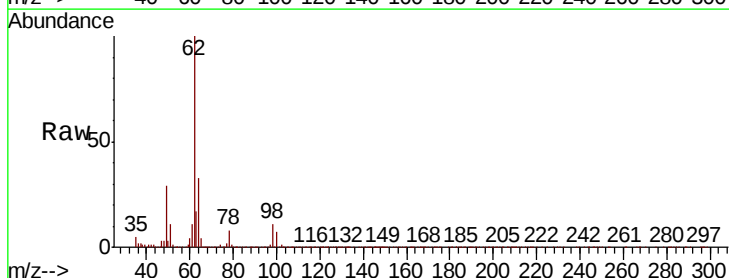
Manual Integrations
APPROVED

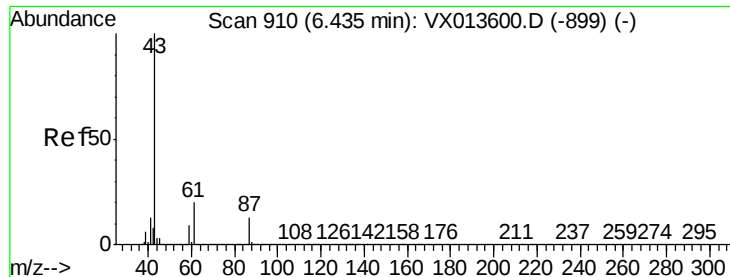
apatel
12/5/2019 11:25:07 AM



#42
1,2-Dichloroethane
Concen: 50.959 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ion	Ratio	Lower	Upper
504907	62	100		
	98	10.1	0.0	20.8





#43

Isopropyl Acetate

Concen: 51.002 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

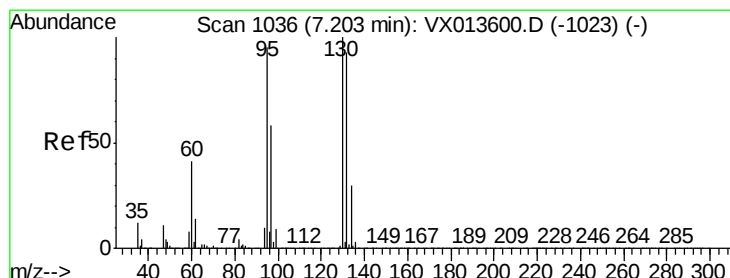
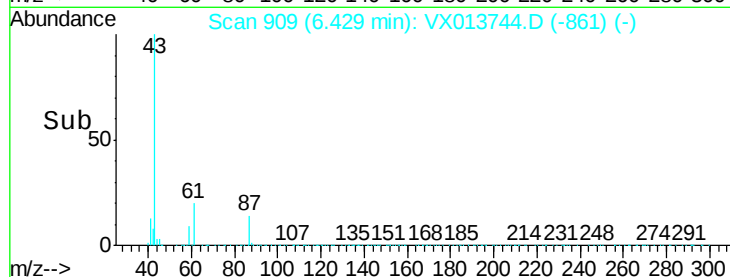
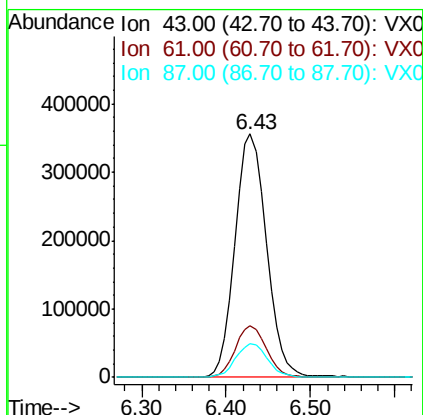
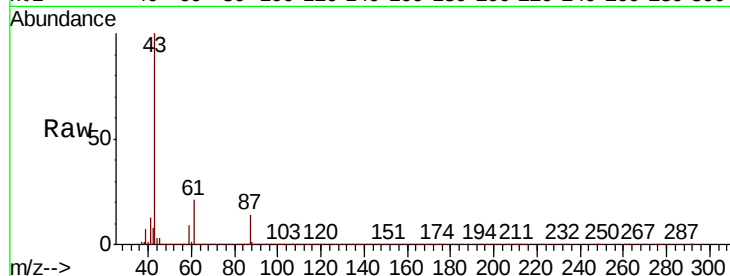
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	898538
Ion Ratio	Lower	Upper	
43	100		
61	21.1	16.3	24.5
87	13.7	10.8	16.2

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#44

Trichloroethene

Concen: 50.369 ug/l

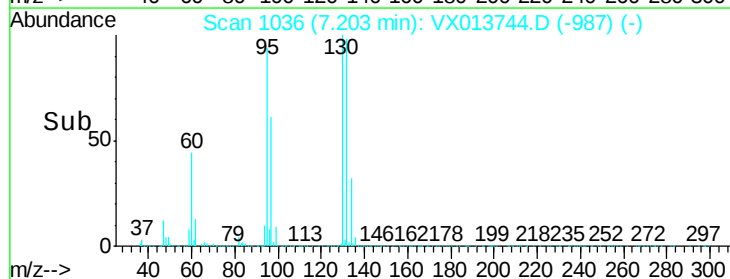
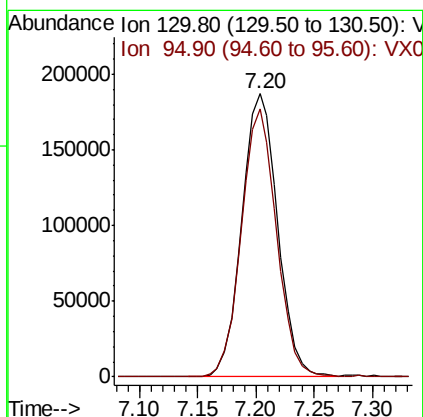
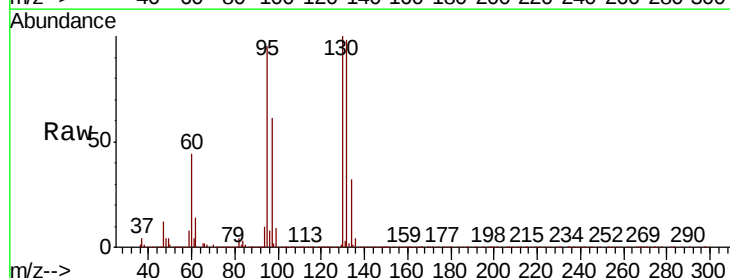
RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion:	130	Resp:	401608
Ion Ratio	Lower	Upper	
130	100		
95	94.6	0.0	190.8





#45

1,2-Dichloropropane

Concen: 51.518 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 374475

Ion Ratio Lower Upper

63 100

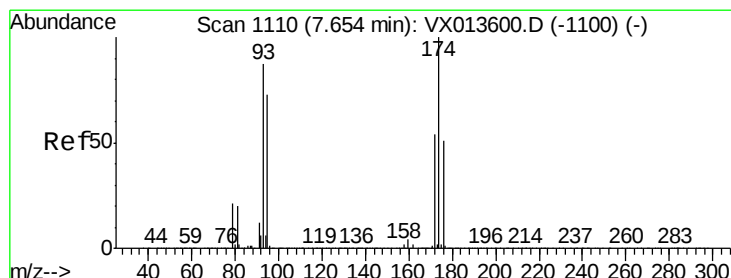
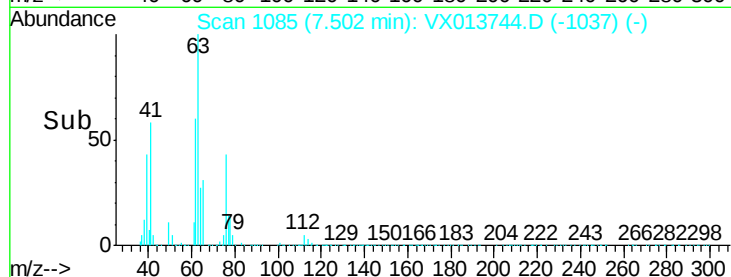
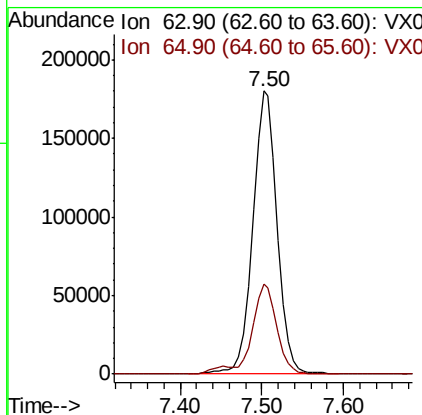
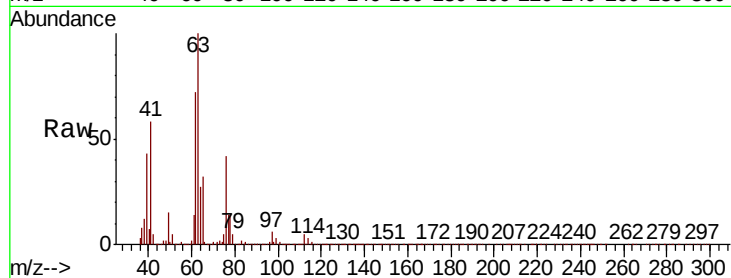
65 31.8 25.5 38.3

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#46

Dibromomethane

Concen: 50.270 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

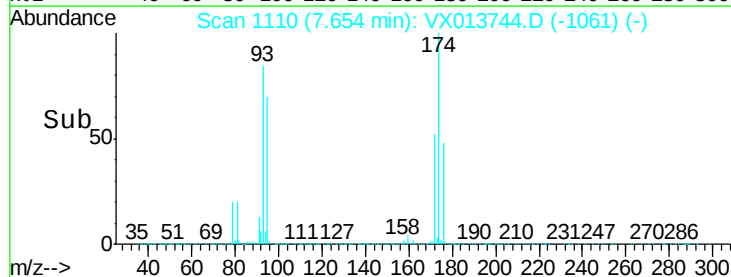
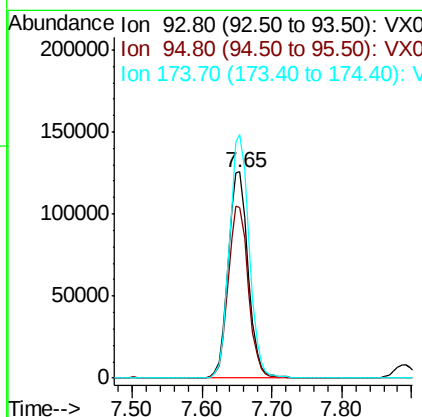
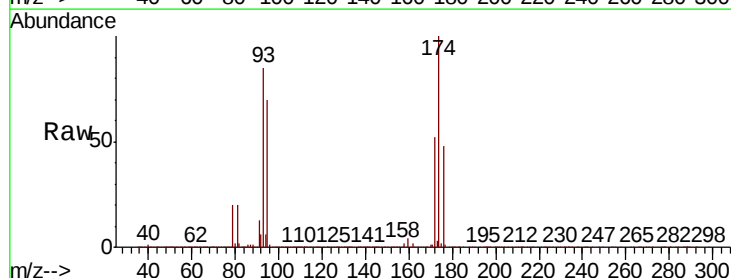
Tgt Ion: 93 Resp: 248174

Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.2

174 117.2 93.4 140.0





#47

Bromodichloromethane

Concen: 54.129 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

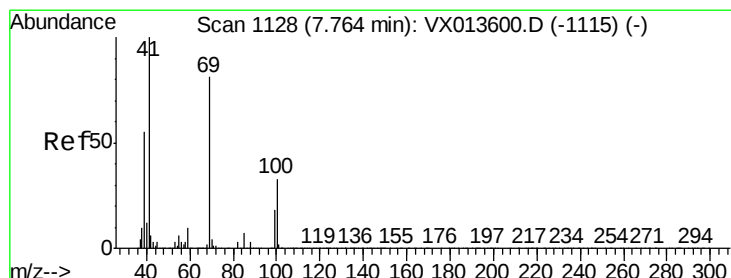
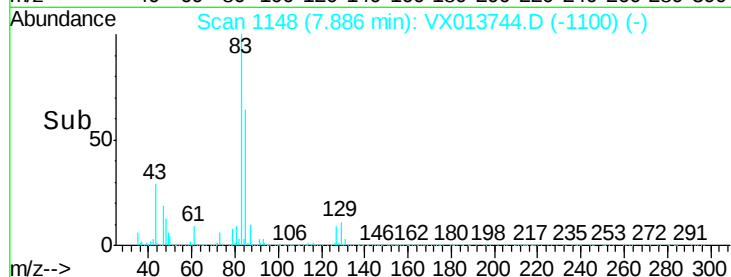
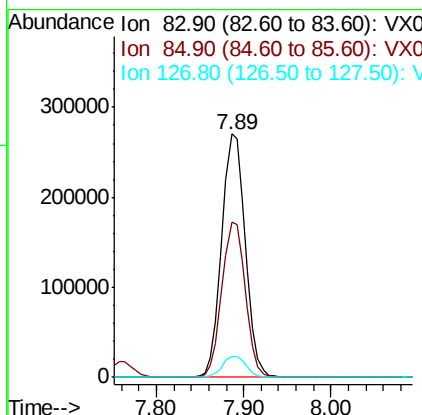
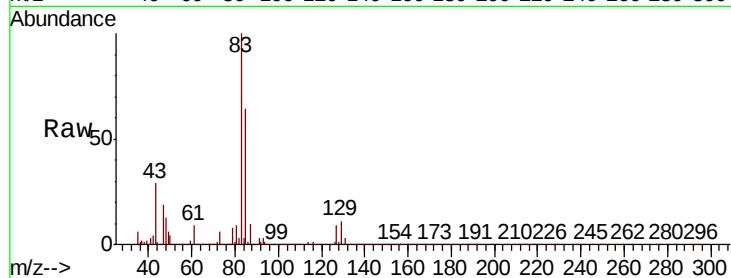
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	505184
Ion Ratio	Lower	Upper	
83	100		
85	63.8	52.1	78.1
127	8.5	7.0	10.4

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#48

Methyl methacrylate

Concen: 52.385 ug/l

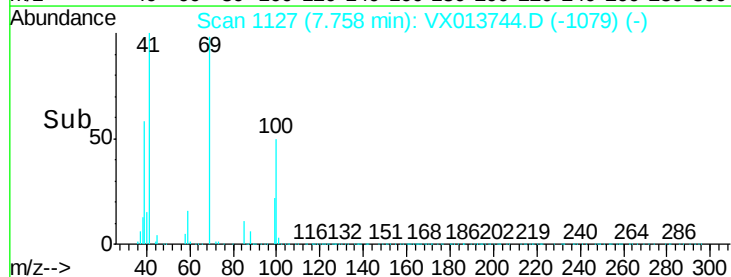
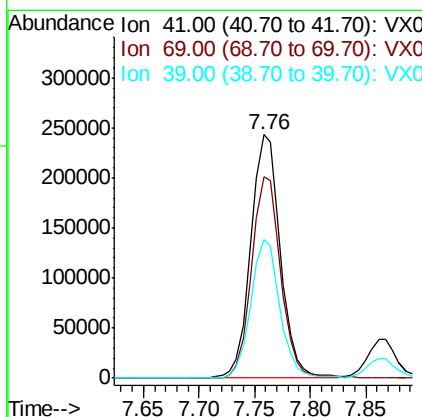
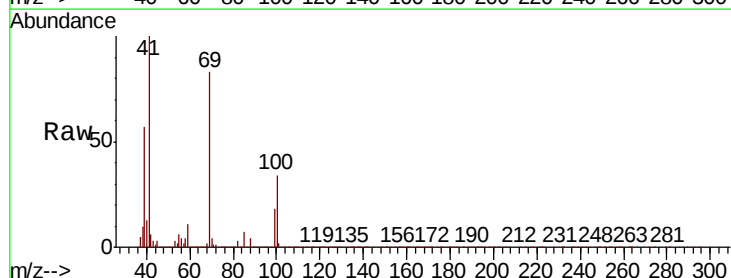
RT: 7.76 min Scan# 1127

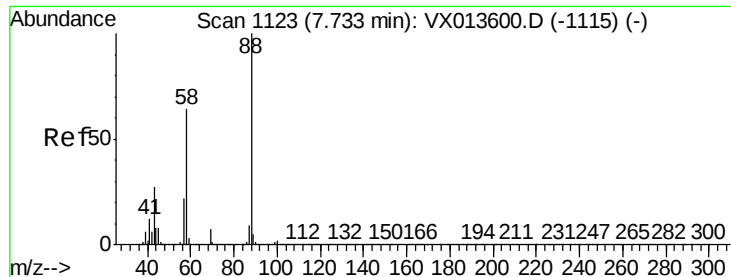
Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion:	41	Resp:	448418
Ion Ratio	Lower	Upper	
41	100		
69	82.2	64.7	97.1
39	55.7	43.8	65.6





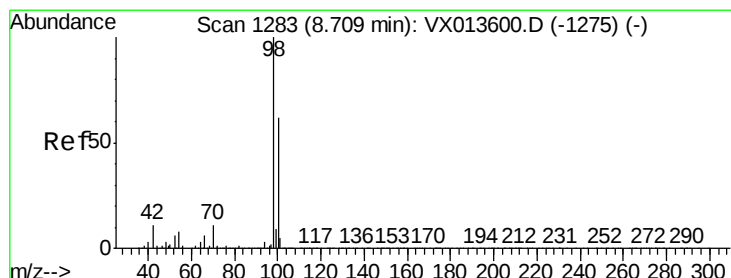
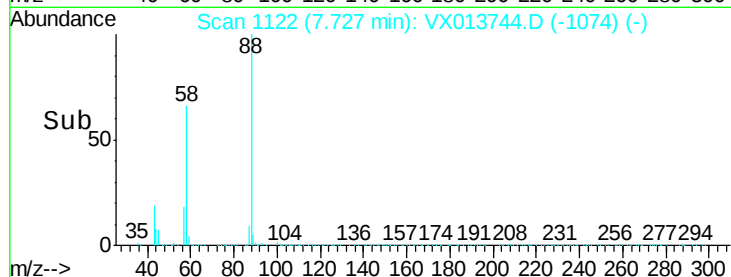
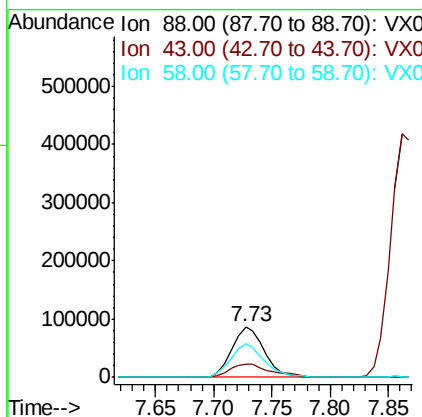
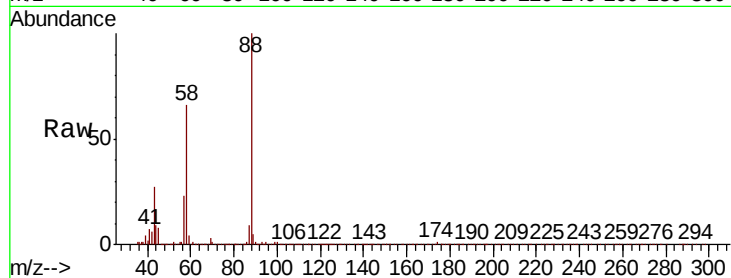
#49
1,4-Dioxane
Concen: 865.911 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	25.8	38.6
58	69.0	54.6	82.0

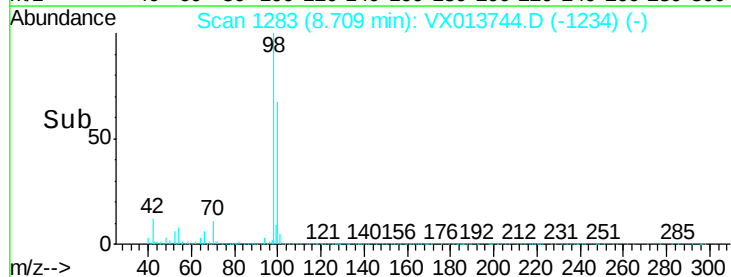
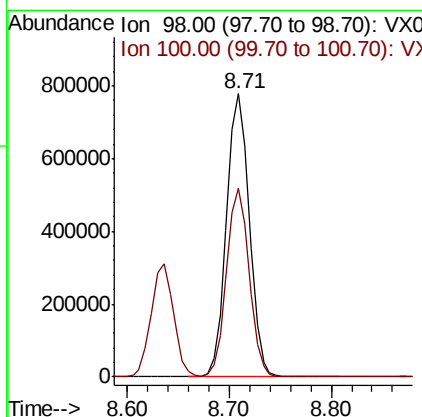
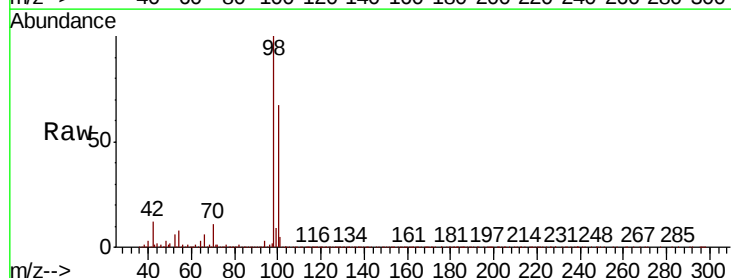
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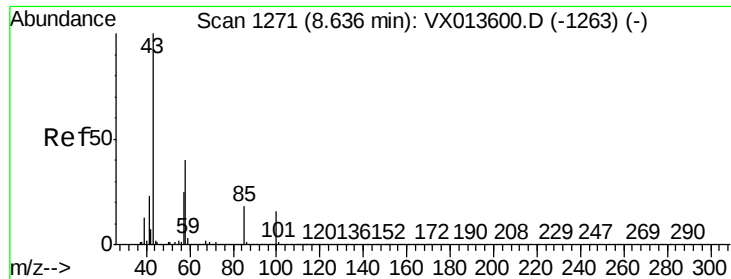
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#50
Toluene-d8
Concen: 47.472 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 250.628 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2777449

Ion Ratio Lower Upper

43 100

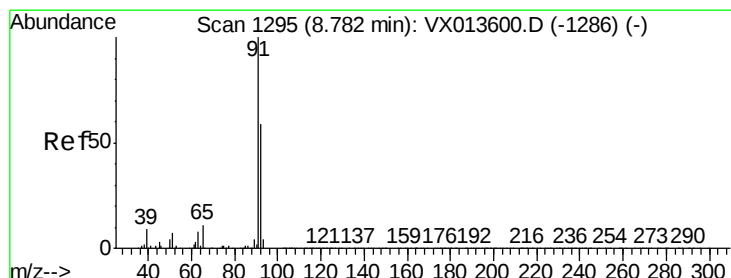
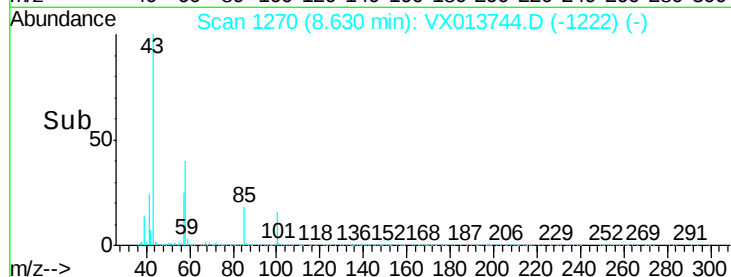
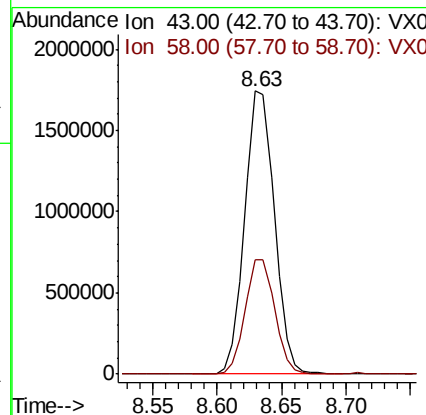
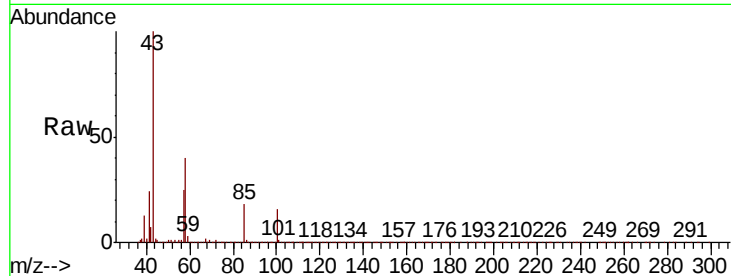
58 40.3 32.1 48.1

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#52

Toluene

Concen: 51.635 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013744.D

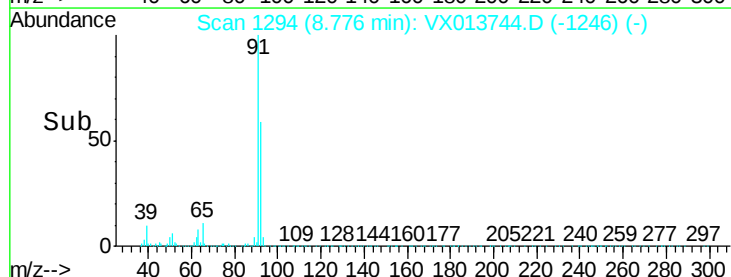
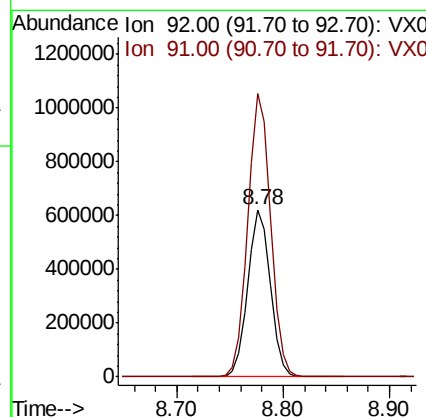
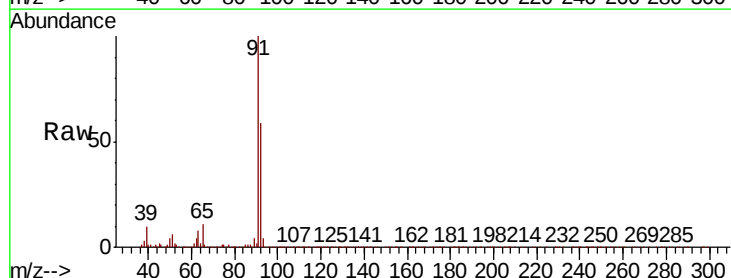
Acq: 04 Dec 2019 11:49

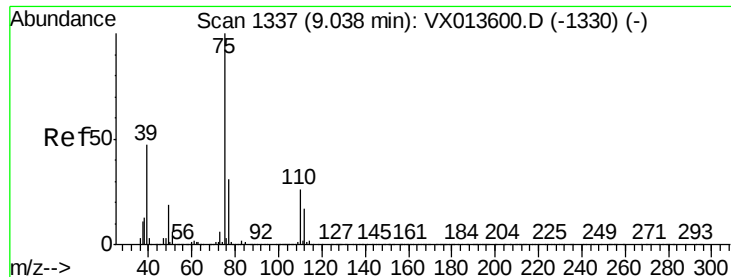
Tgt Ion: 92 Resp: 931937

Ion Ratio Lower Upper

92 100

91 171.0 136.2 204.2





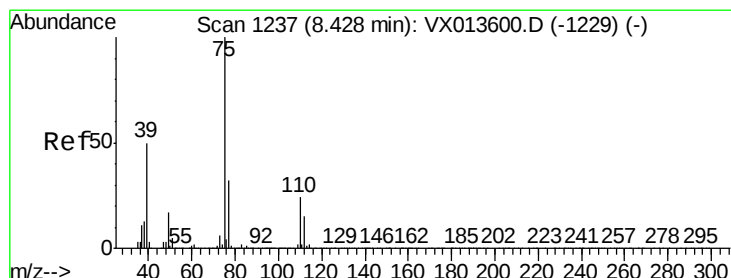
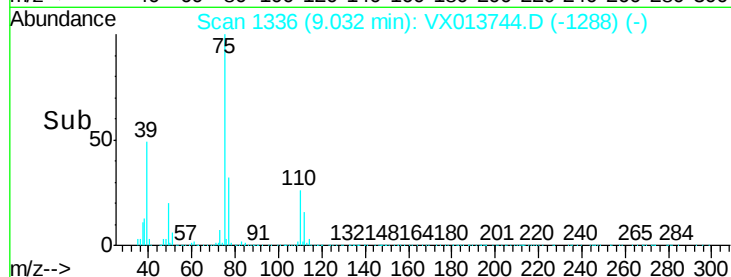
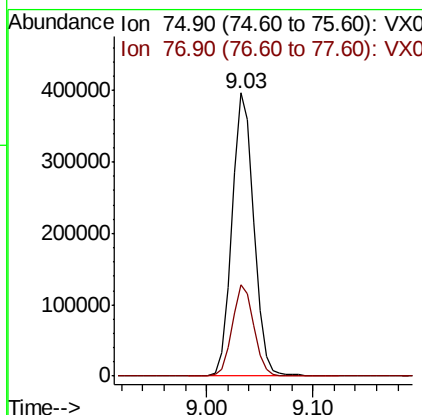
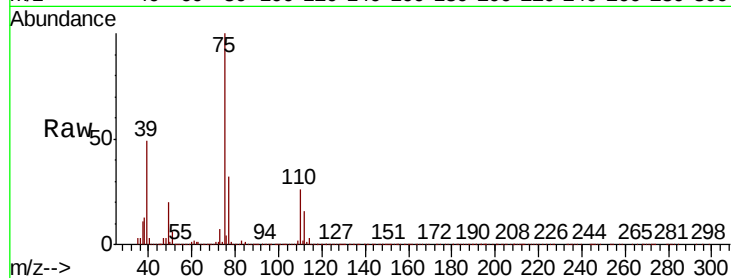
#53
t-1,3-Dichloropropene
Concen: 53.740 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.4	36.6

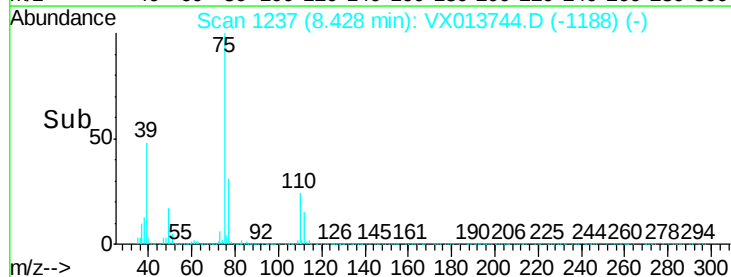
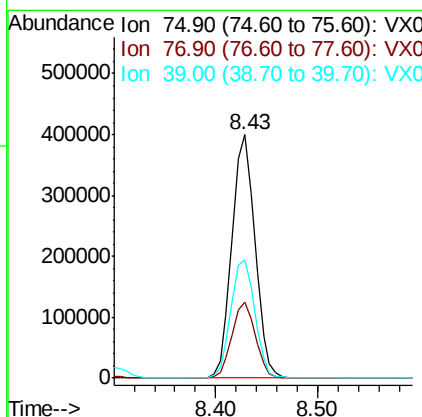
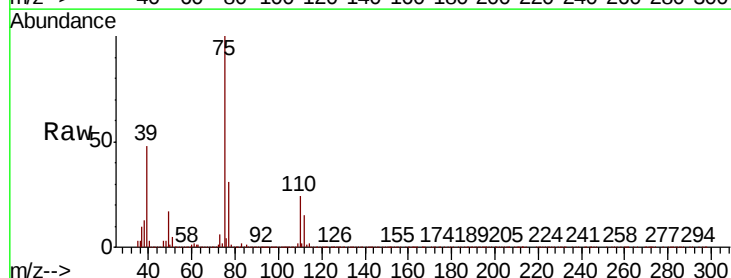
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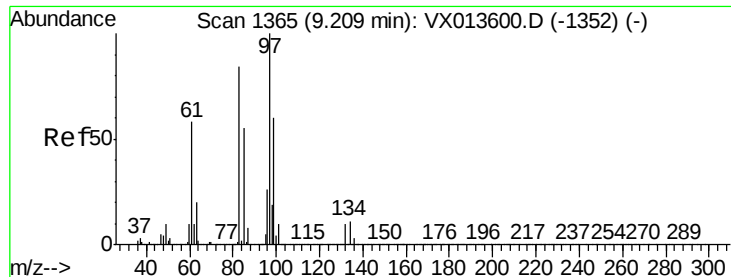
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#54
cis-1,3-Dichloropropene
Concen: 53.938 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.6
39	48.3	39.9	59.9





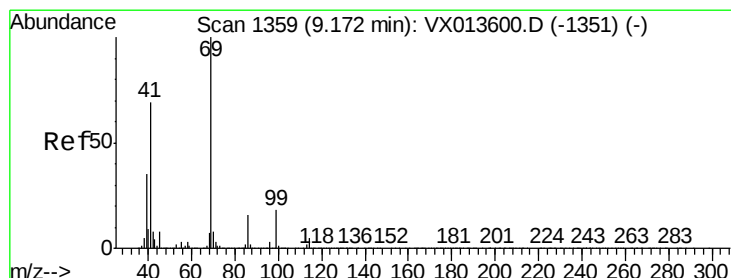
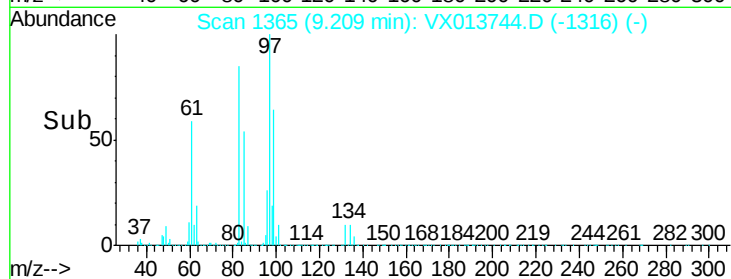
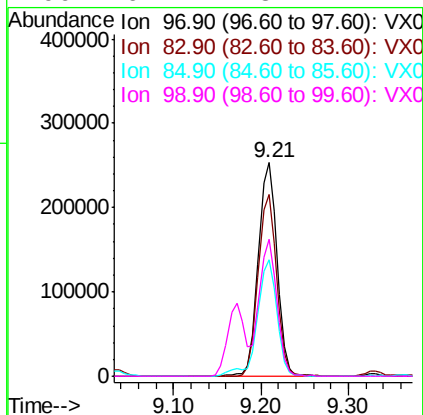
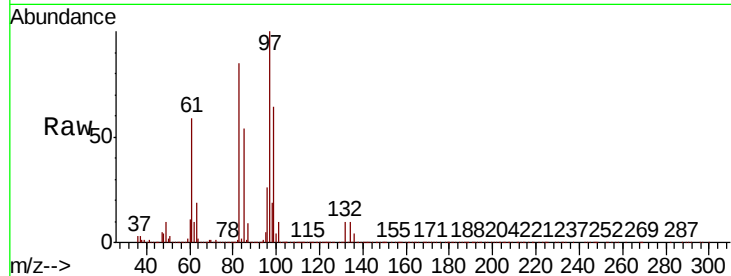
#55
 1,1,2-Trichloroethane
 Concen: 51.799 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013744.D
 Acq: 04 Dec 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		376744		
83	85.3	67.3	100.9		
85	54.3	43.6	65.4		
99	64.2	48.2	72.4		

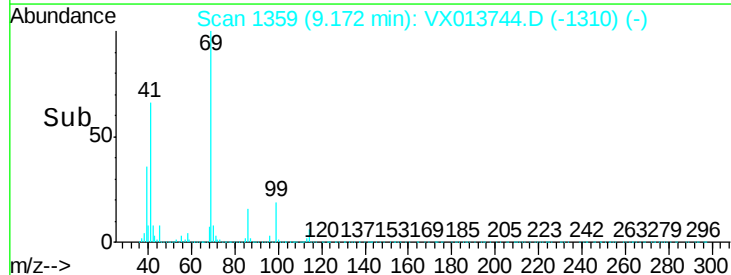
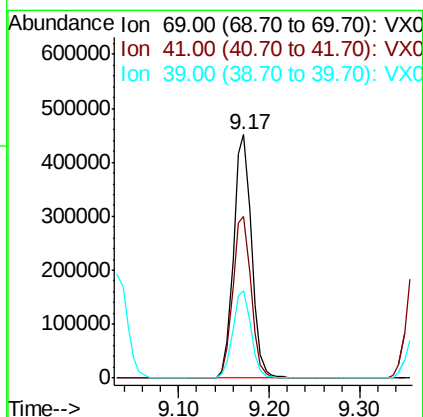
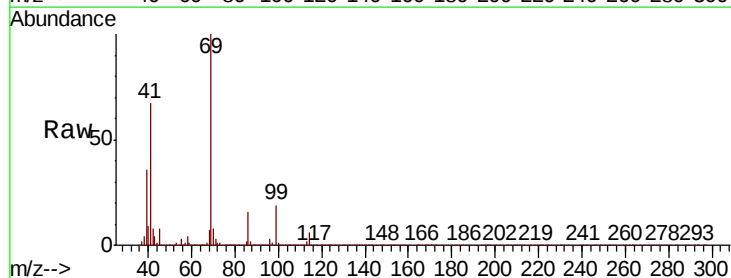
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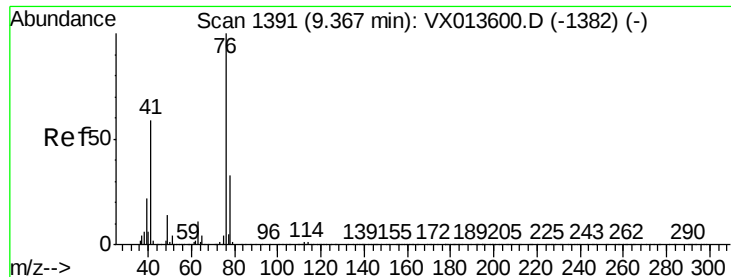
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#56
 Ethyl methacrylate
 Concen: 52.660 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013744.D
 Acq: 04 Dec 2019 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		615785		
41	67.8	55.0	82.4		
39	36.6	28.7	43.1		





#57

1,3-Dichloropropane

Concen: 50.688 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 635465

Ion Ratio Lower Upper

76 100

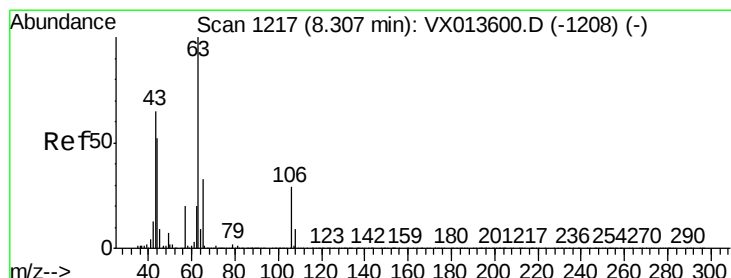
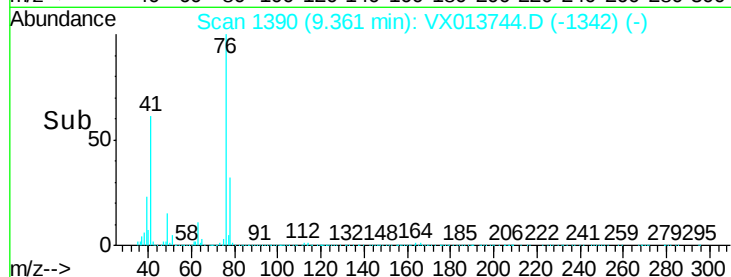
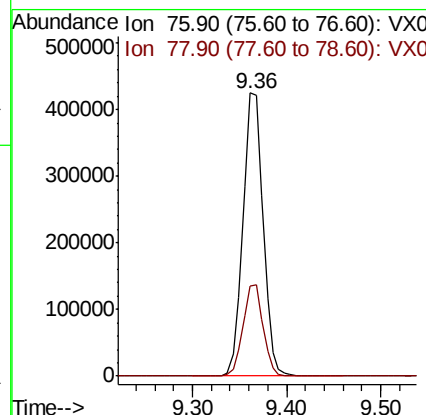
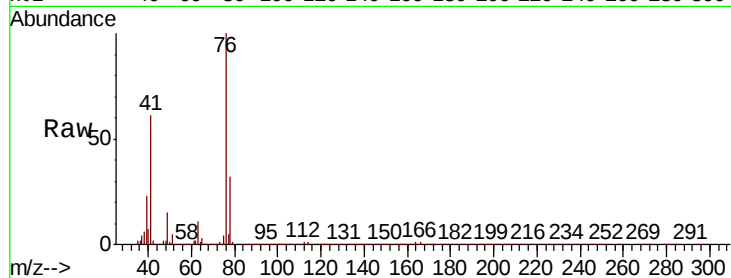
78 31.9 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 291.212 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX013744.D

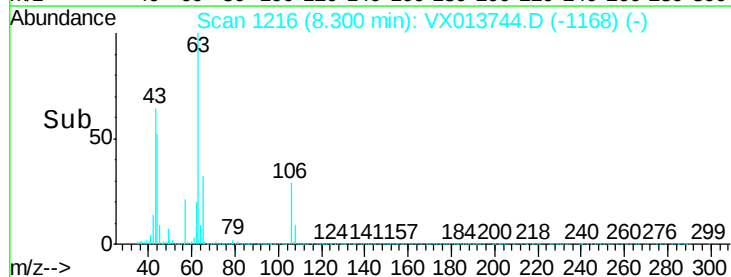
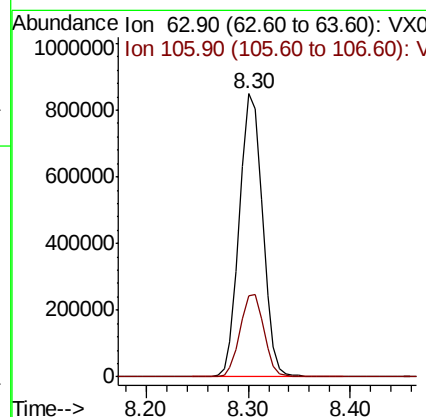
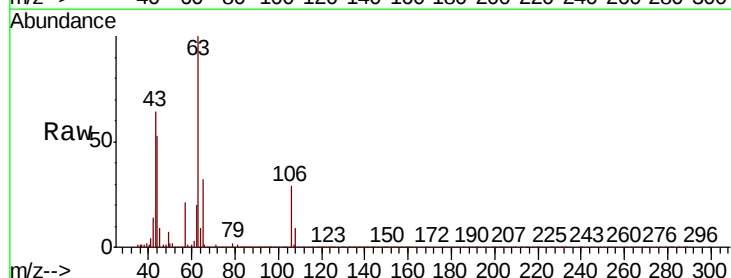
Acq: 04 Dec 2019 11:49

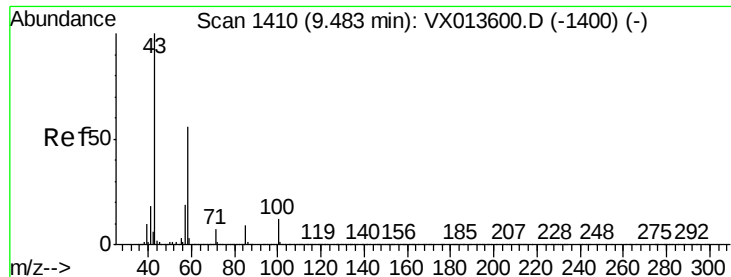
Tgt Ion: 63 Resp: 1335133

Ion Ratio Lower Upper

63 100

106 29.8 23.4 35.0





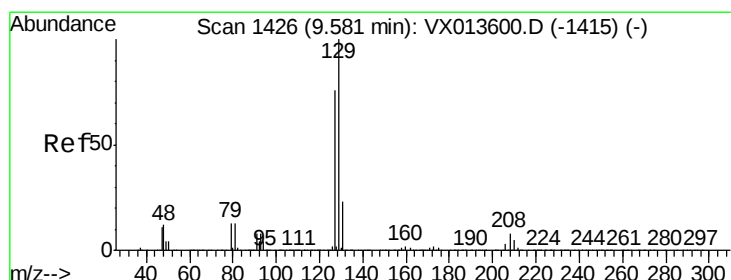
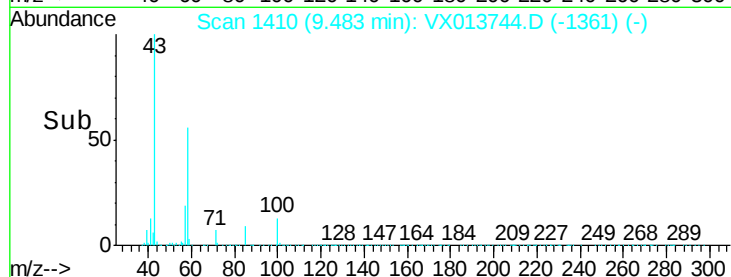
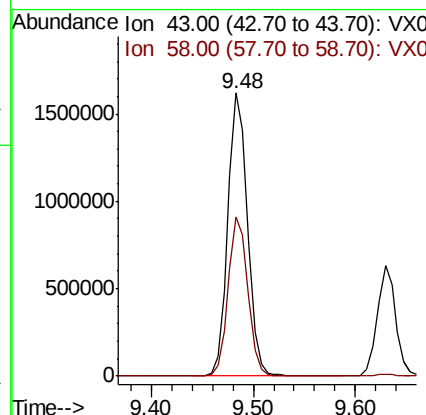
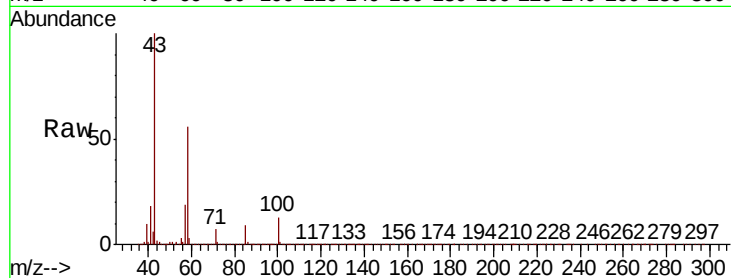
#59
2-Hexanone
Concen: 250.757 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2167313
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.4

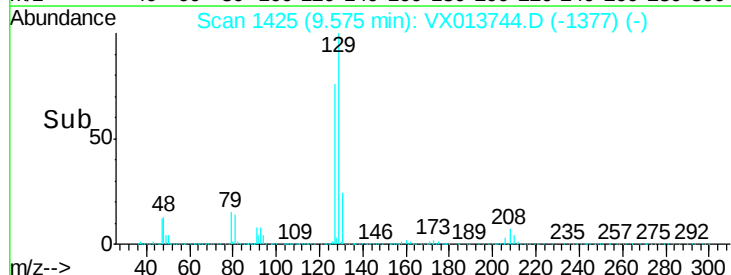
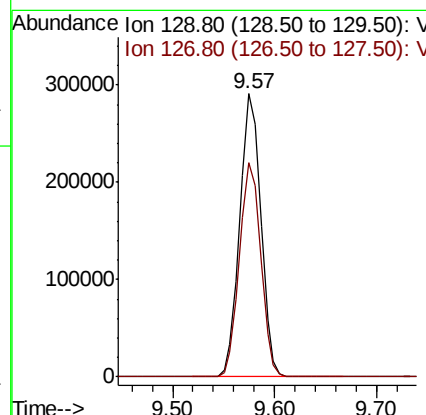
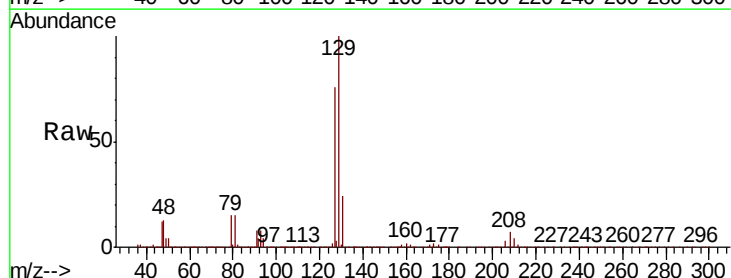
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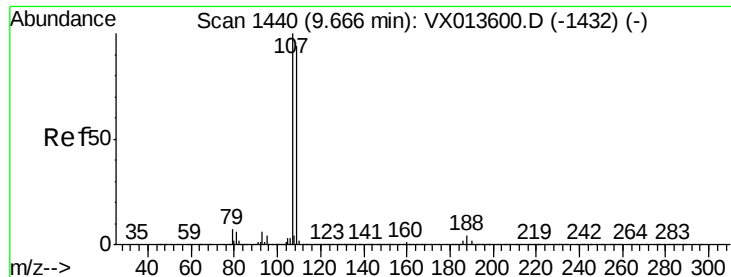
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#60
Dibromochloromethane
Concen: 54.865 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion: 129 Resp: 414127
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.311 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 398588

Ion Ratio Lower Upper

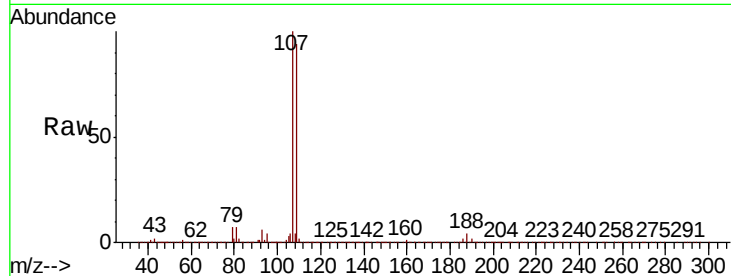
107 100

109 94.3 76.1 114.1

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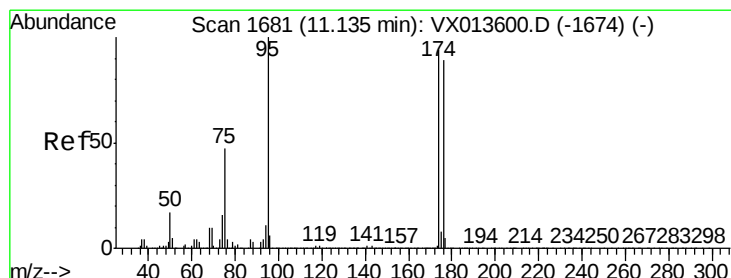
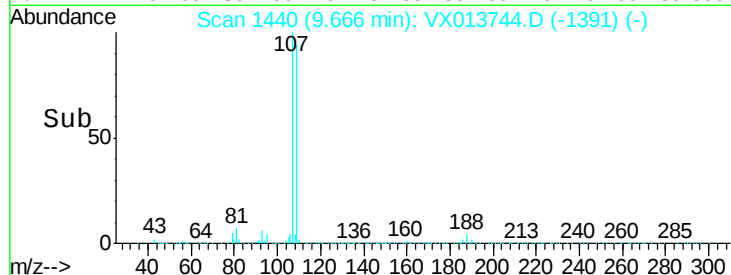
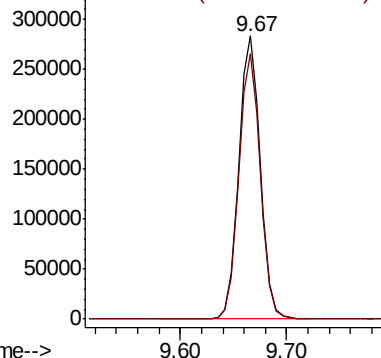
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.451 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

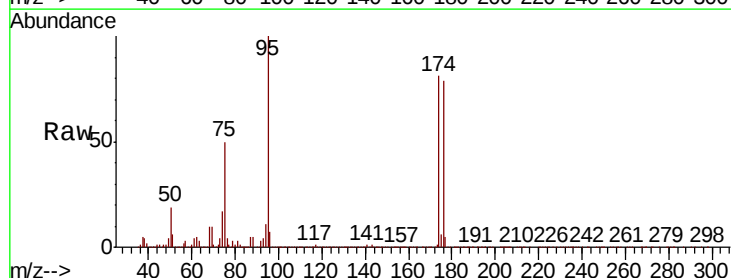
Tgt Ion: 95 Resp: 442216

Ion Ratio Lower Upper

95 100

174 89.4 0.0 180.0

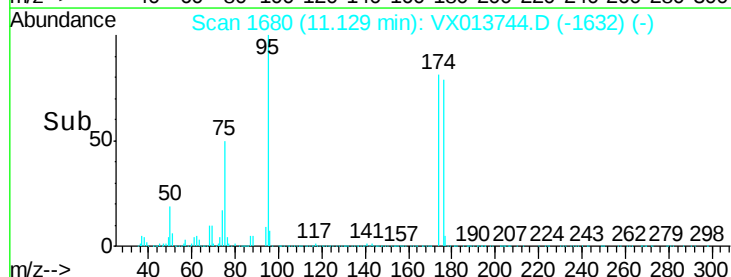
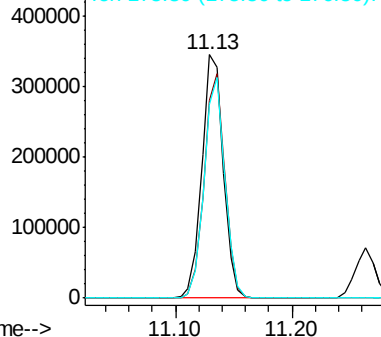
176 88.2 0.0 173.6

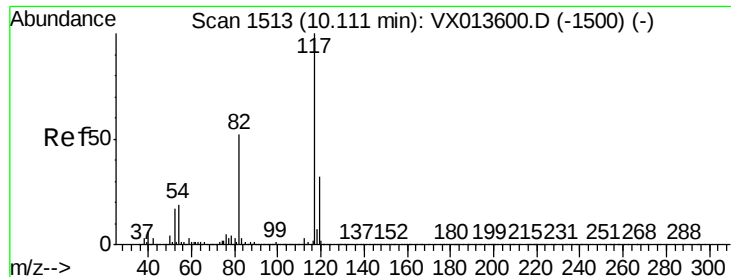


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





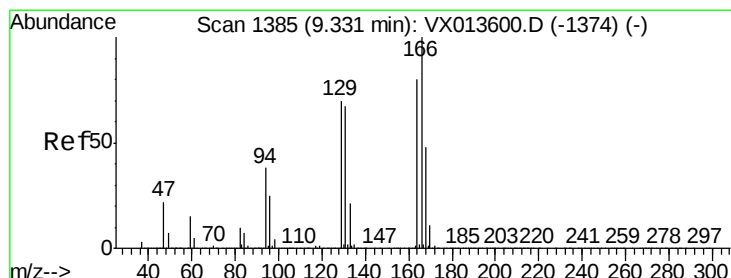
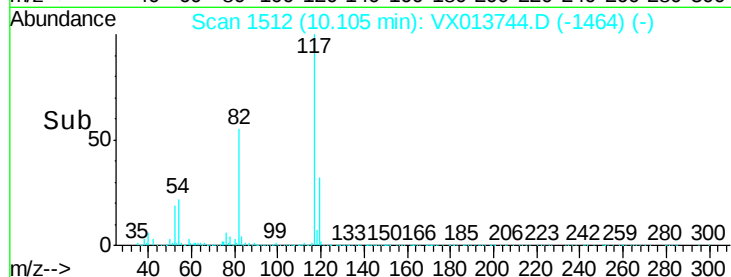
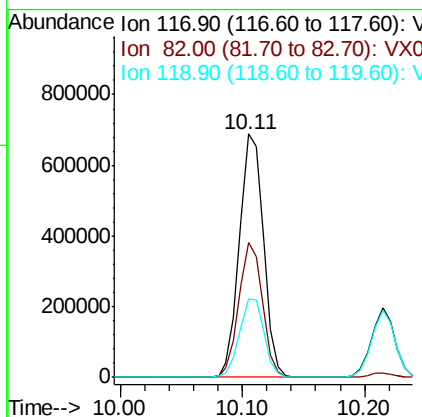
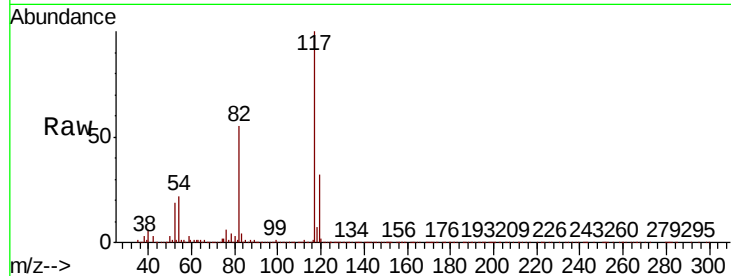
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	55.4	41.8	62.8
119	32.4	25.8	38.8

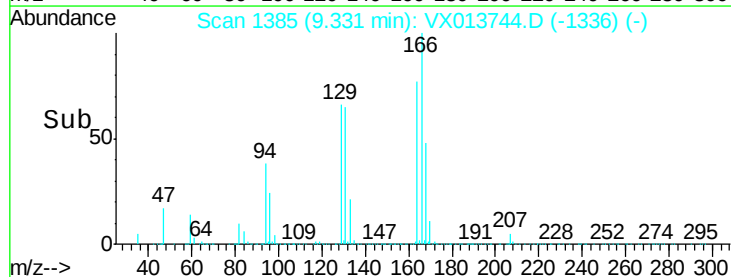
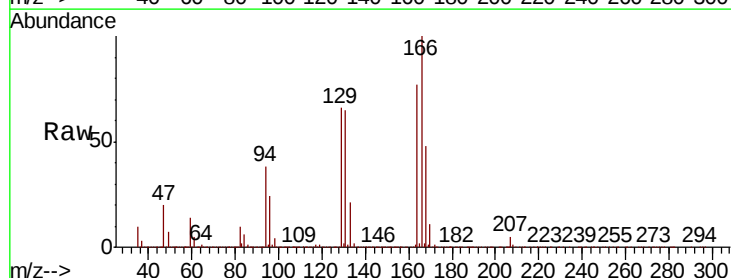
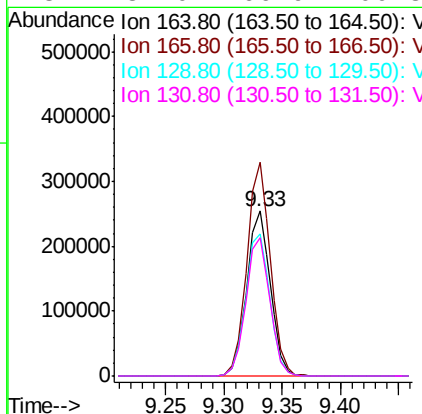
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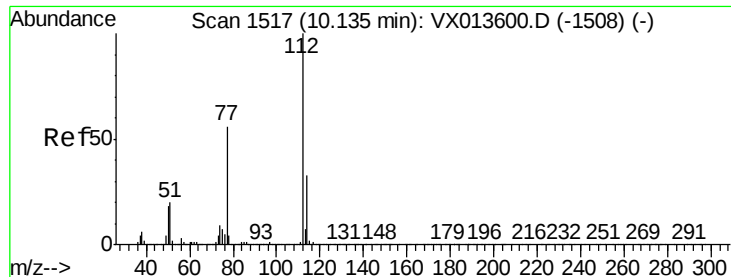
apatel
12/5/2019 11:25:07 AM



#64
Tetrachloroethene
Concen: 51.892 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	129.6	99.7	149.5
129	86.0	70.1	105.1
131	84.0	66.9	100.3





#65

Chlorobenzene

Concen: 51.563 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 1002448

Ion Ratio Lower Upper

112 100

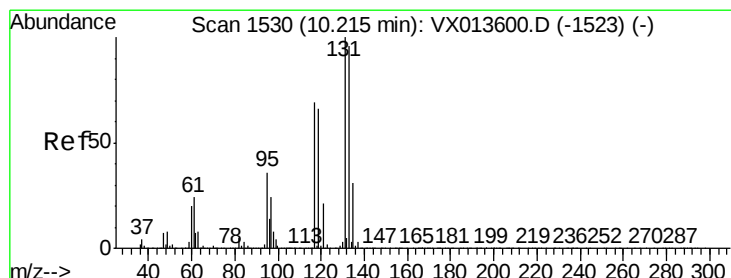
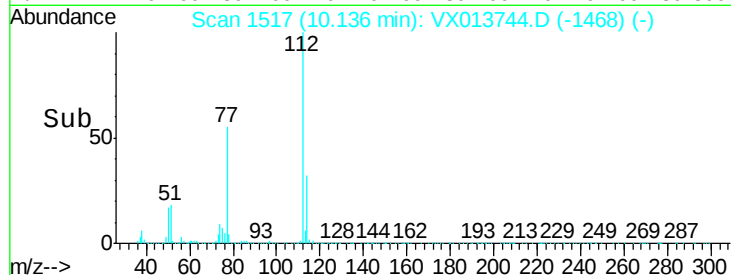
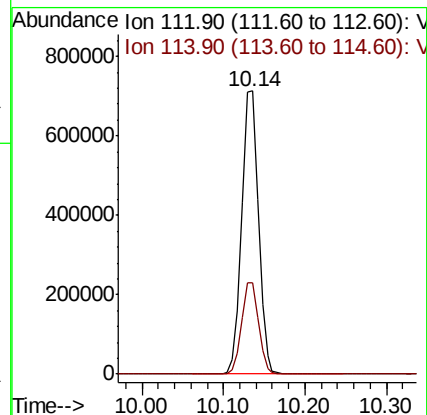
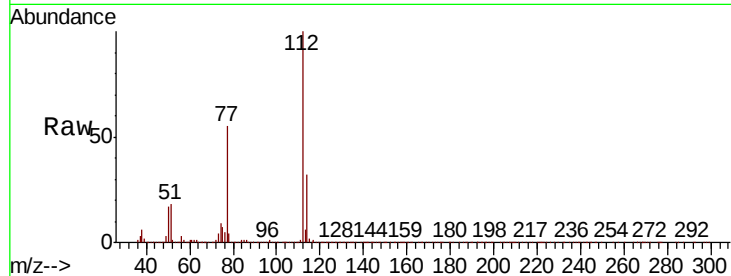
114 32.4 26.1 39.1

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.080 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

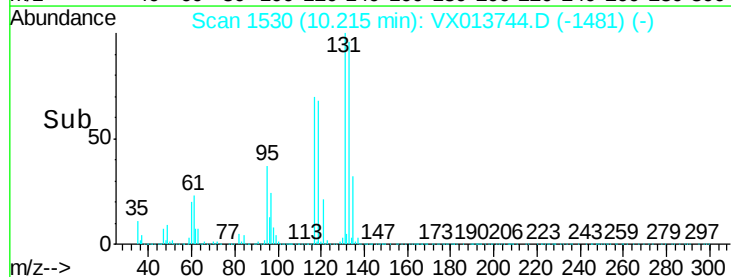
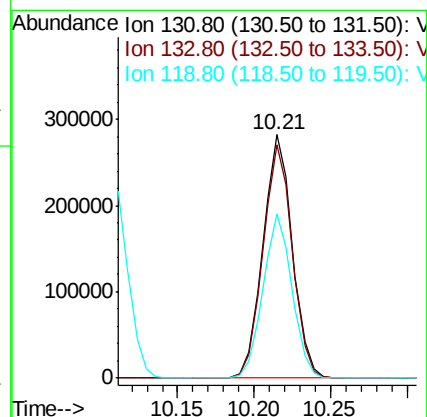
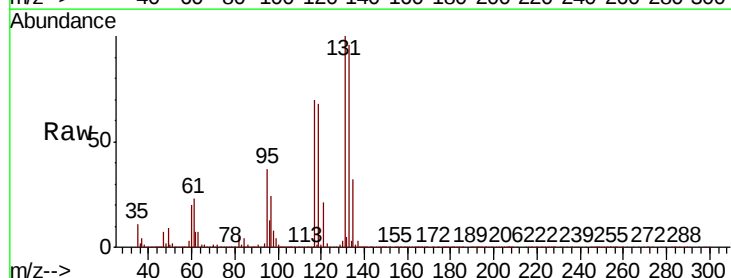
Tgt Ion:131 Resp: 377544

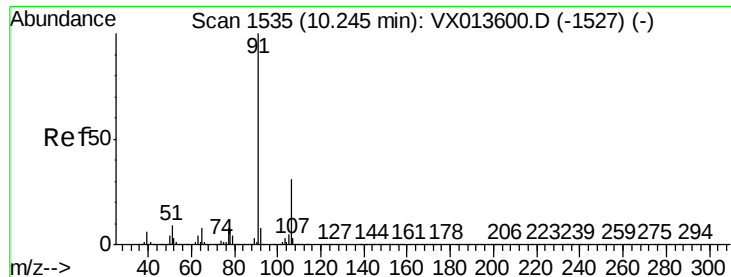
Ion Ratio Lower Upper

131 100

133 95.9 47.7 143.1

119 66.7 32.9 98.6





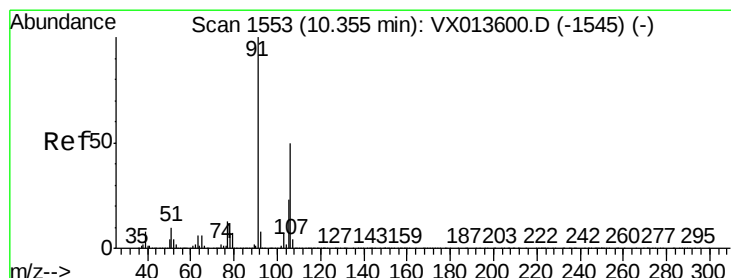
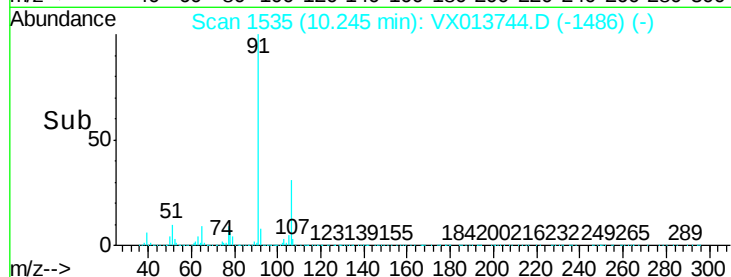
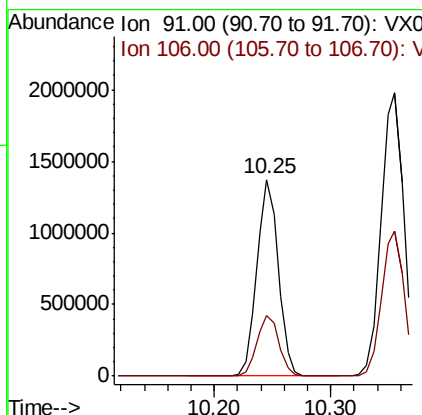
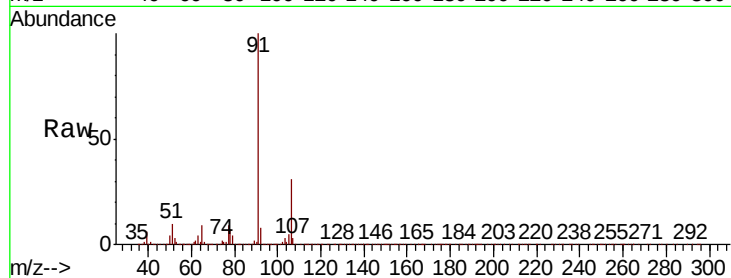
#67
Ethyl Benzene
Concen: 53.124 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1774741
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7

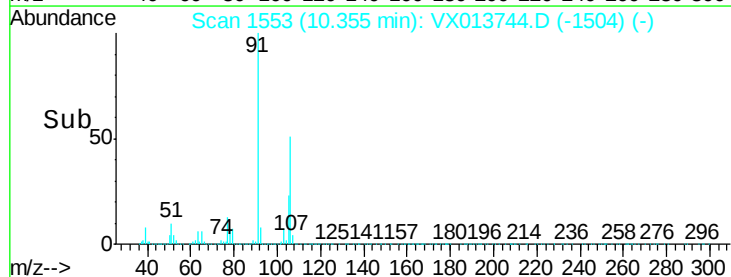
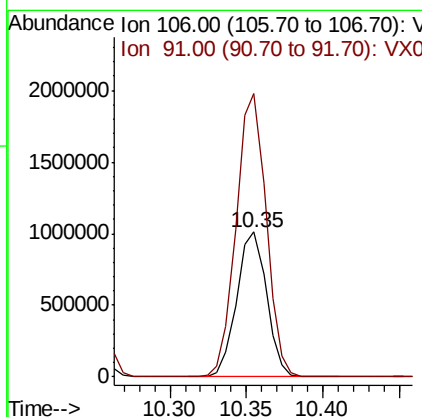
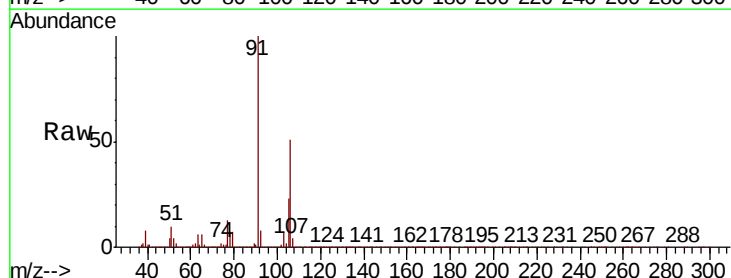
Manual Integrations
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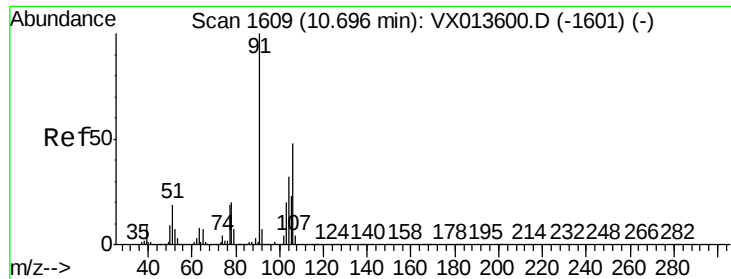
apatel
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#68
m/p-Xylenes
Concen: 106.725 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion: 106 Resp: 1365050
Ion Ratio Lower Upper
106 100
91 197.3 159.0 238.4





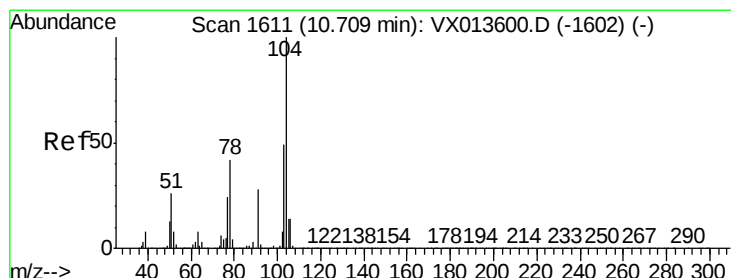
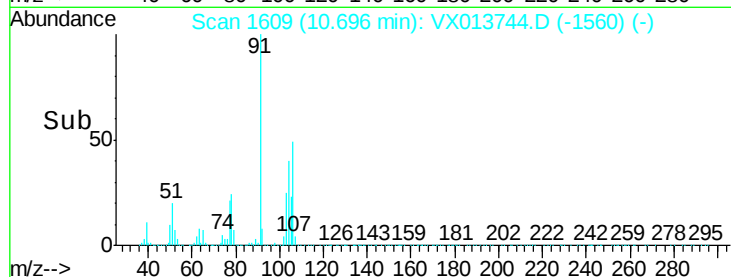
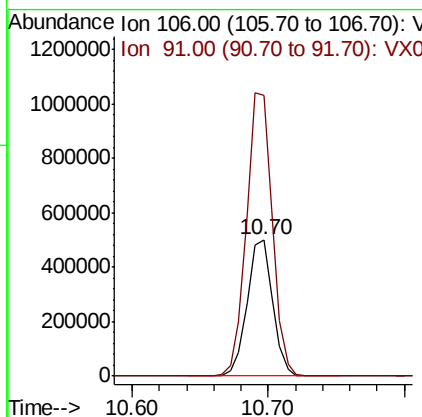
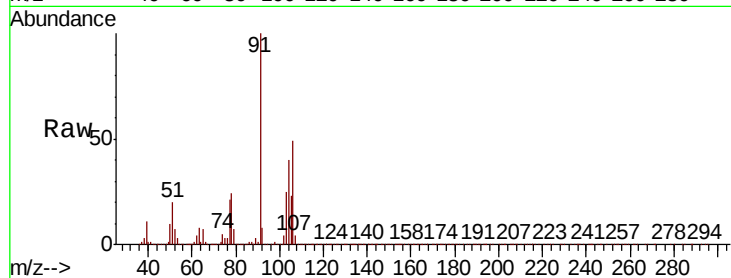
#69
o-Xylene
Concen: 52.986 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 660967
Ion Ratio Lower Upper
106 100
91 209.5 104.1 312.2

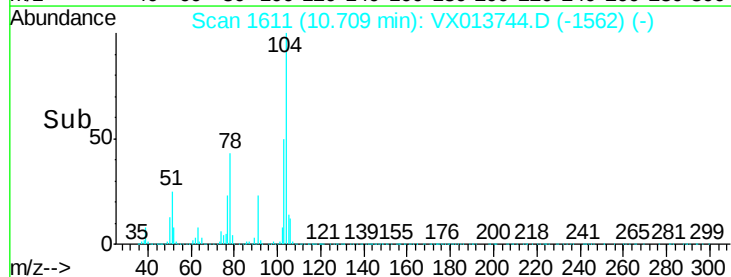
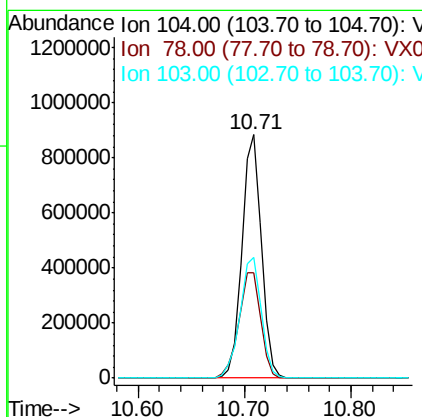
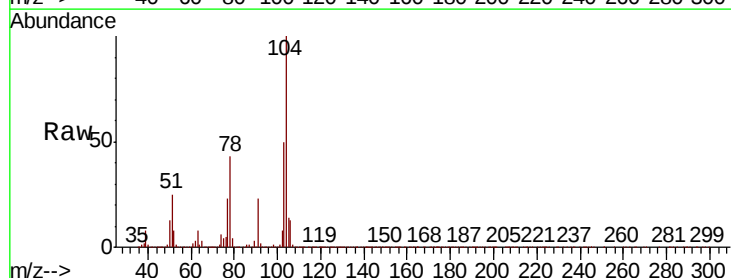
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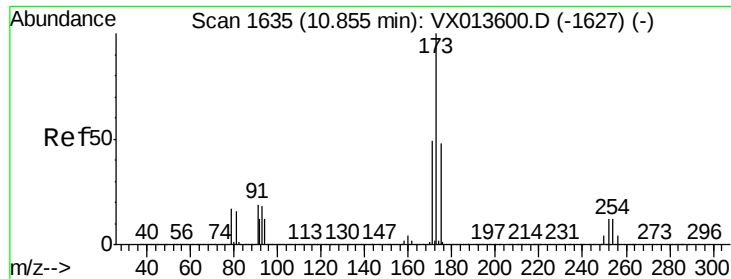
apatel
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#70
Styrene
Concen: 54.058 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion:104 Resp: 1134357
Ion Ratio Lower Upper
104 100
78 49.4 38.5 57.7
103 54.7 43.7 65.5





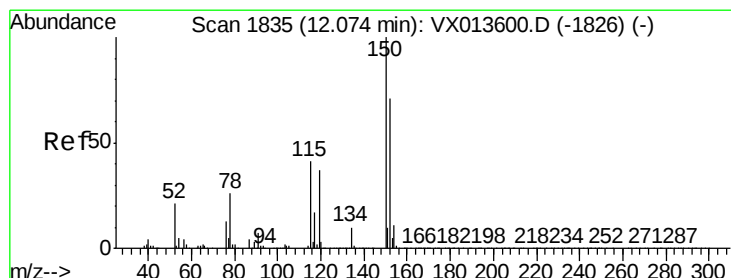
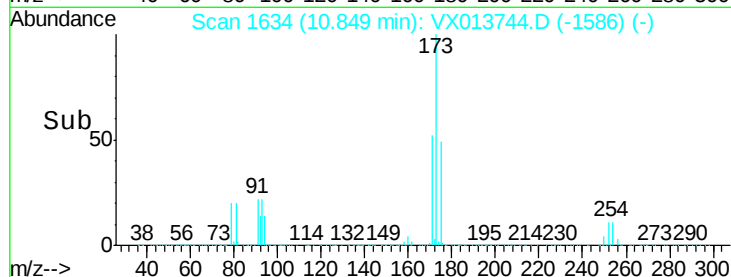
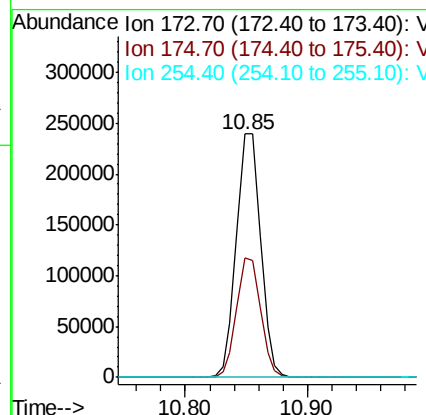
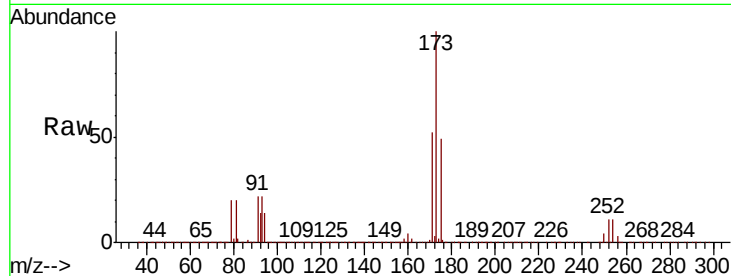
#71
Bromoform
Concen: 57.118 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.2	0.2	0.4

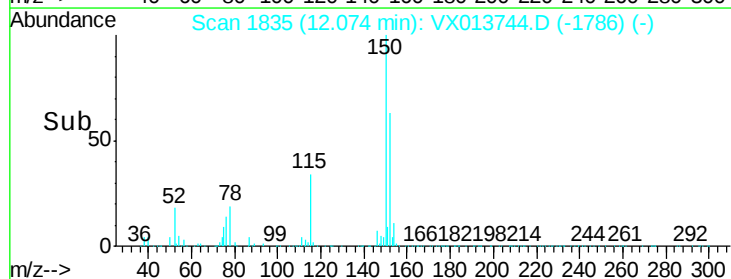
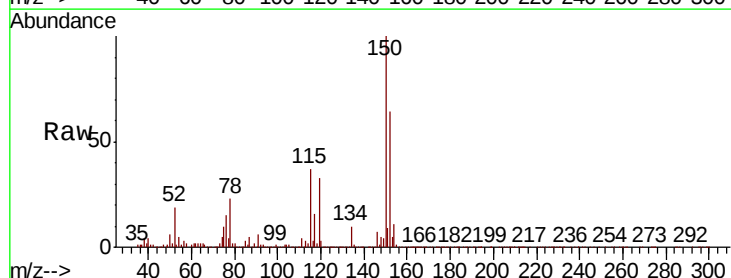
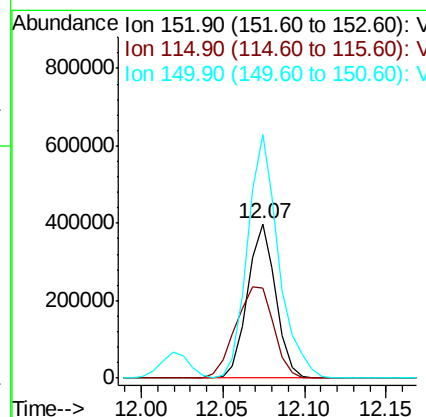
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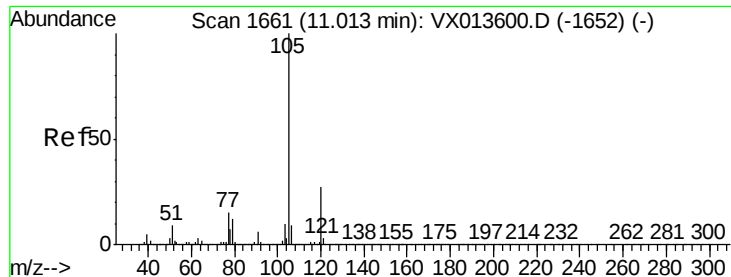
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.1	38.4	115.1
150	174.4	0.0	346.8





#73

Isopropylbenzene

Concen: 52.287 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1756976

Ion Ratio Lower Upper

105 100

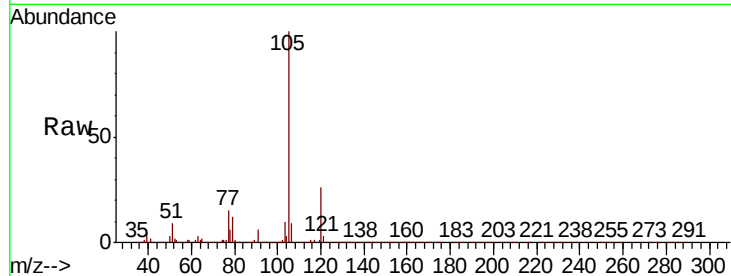
120 26.8 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

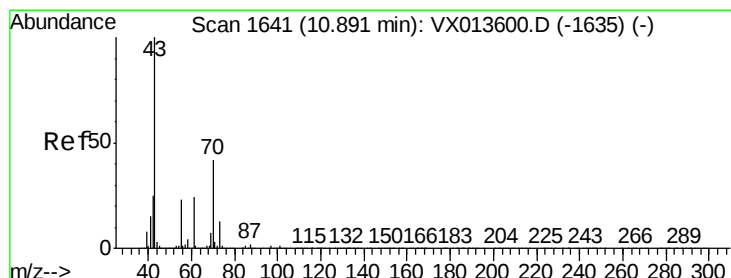
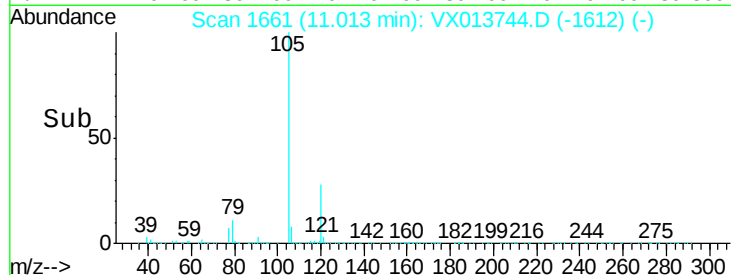
11.01

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 52.570 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion: 43 Resp: 809205

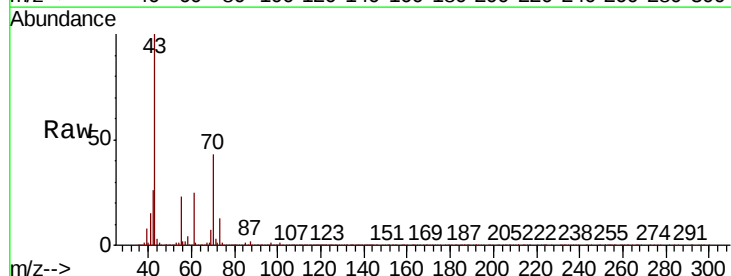
Ion Ratio Lower Upper

43 100

70 43.5 34.3 51.5

55 23.2 18.5 27.7

61 24.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

1000000

800000

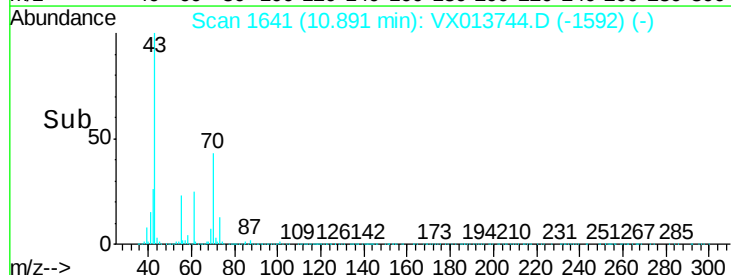
600000

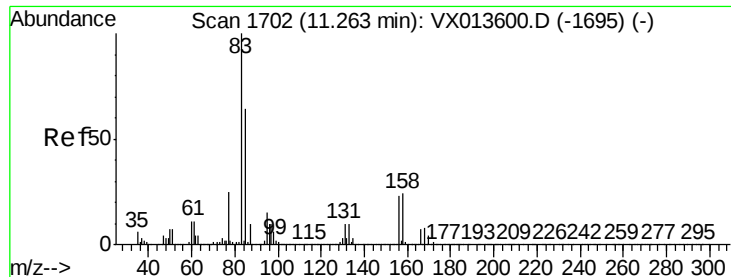
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.789 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

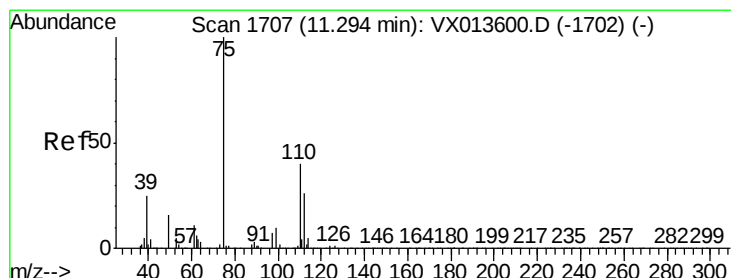
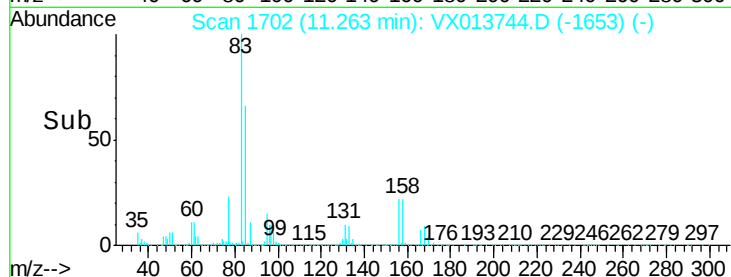
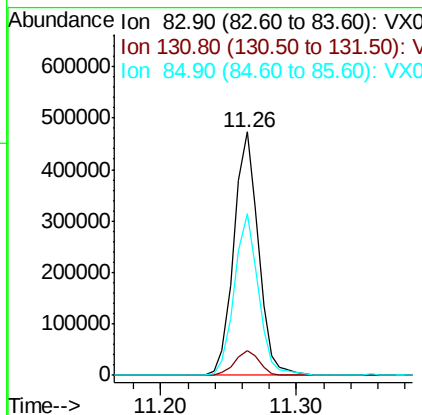
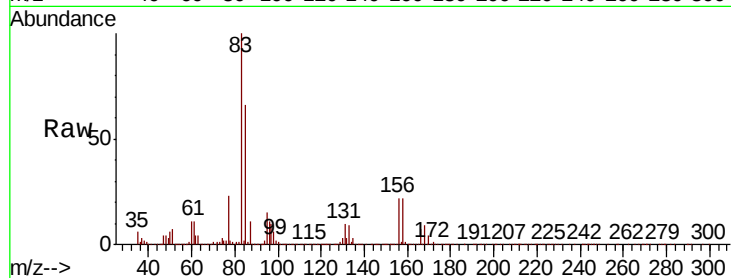
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	591858
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	65.4	31.8	95.3

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#76

1,2,3-Trichloropropane

Concen: 44.281 ug/l m

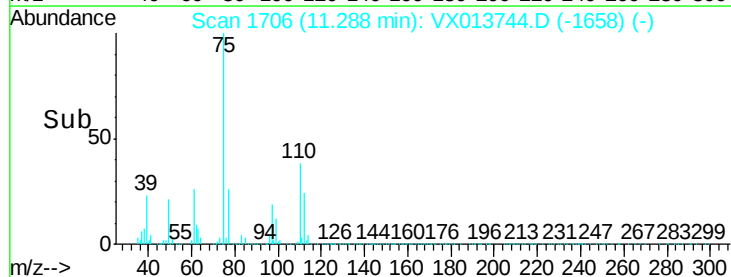
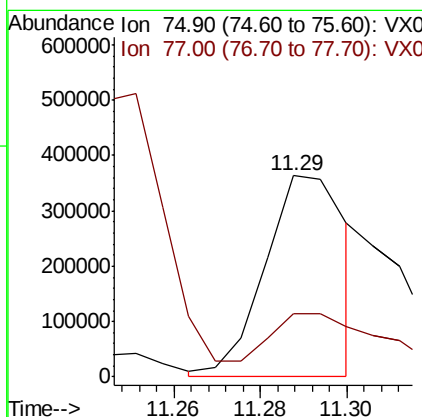
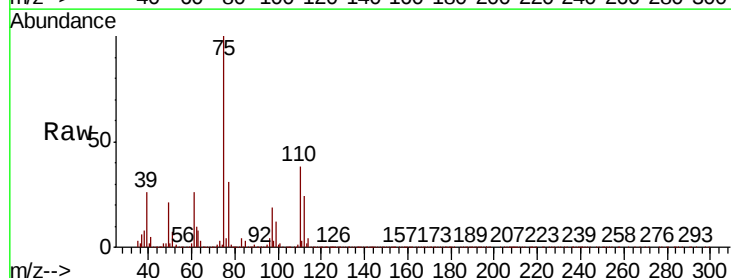
RT: 11.29 min Scan# 1706

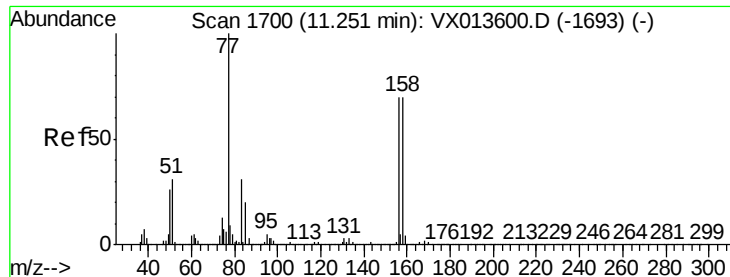
Delta R.T. -0.01 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion:	75	Resp:	477102
Ion Ratio	Lower	Upper	
75	100		
77	44.0	19.1	57.5





#77

Bromobenzene

Concen: 51.348 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

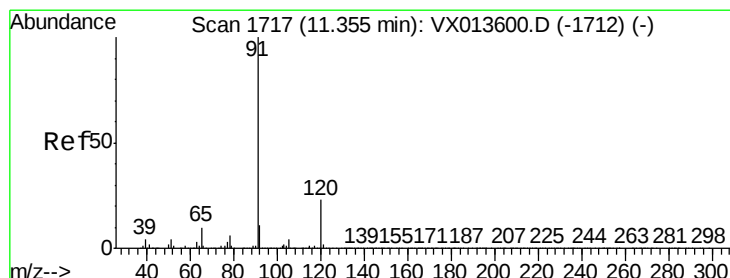
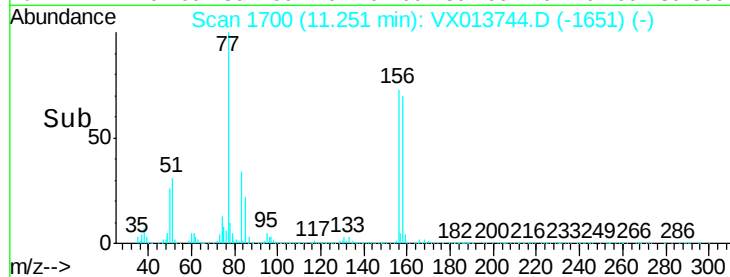
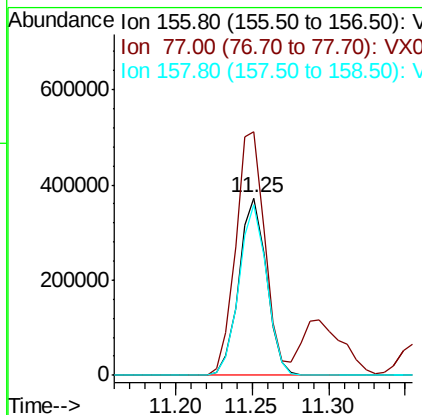
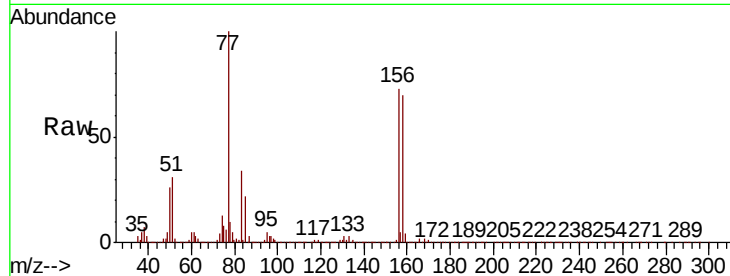
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	466134
Ion Ratio	Lower	Upper	
156	100		
77	146.1	74.4	223.1
158	96.6	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.333 ug/l

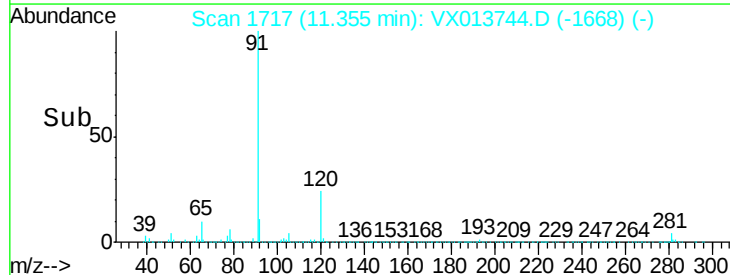
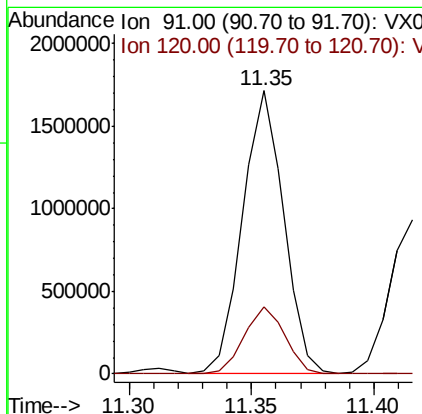
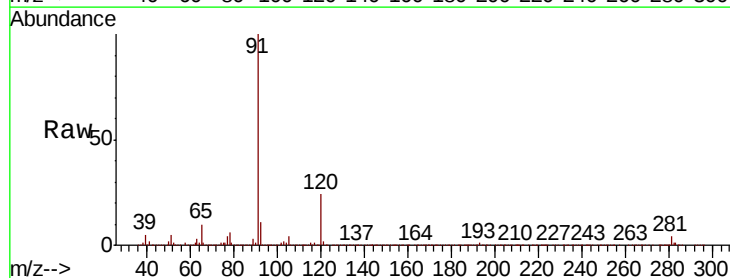
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Tgt Ion:	91	Resp:	2000593
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.3





#79

2-Chlorotoluene

Concen: 51.771 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1164934

Ion Ratio Lower Upper

91 100

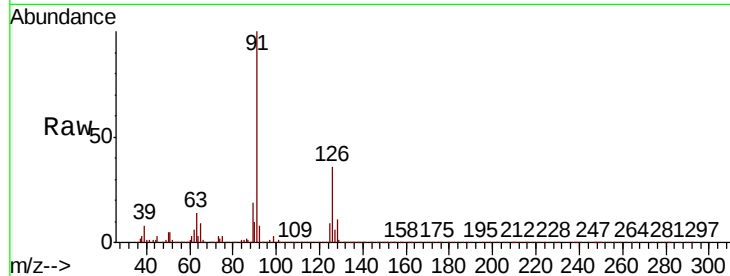
126 35.6 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX013600.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX013600.D (-1722) (-)

2000000

1500000

1000000

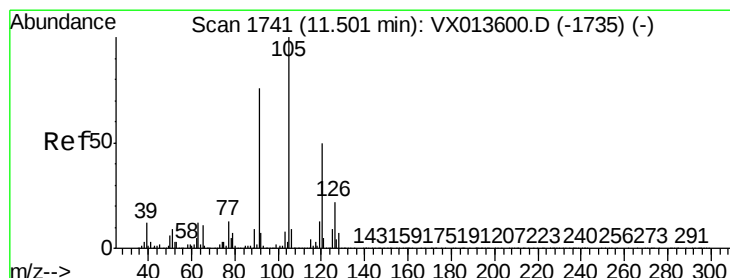
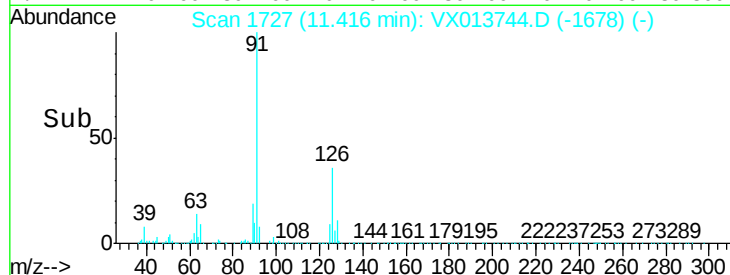
500000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.951 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013744.D

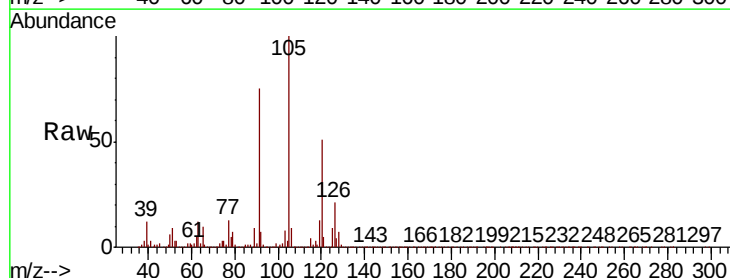
Acq: 04 Dec 2019 11:49

Tgt Ion: 105 Resp: 1485835

Ion Ratio Lower Upper

105 100

120 50.7 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX013600.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013600.D (-1735) (-)

1500000

1000000

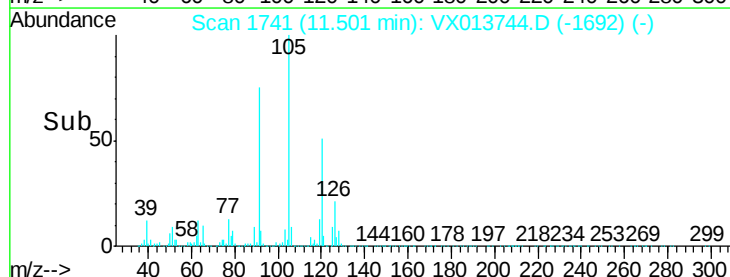
500000

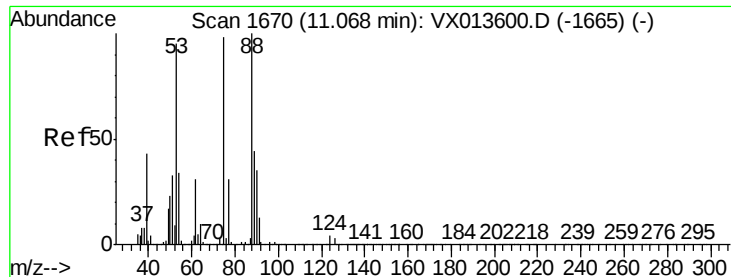
0

11.50

11.55

Time-->





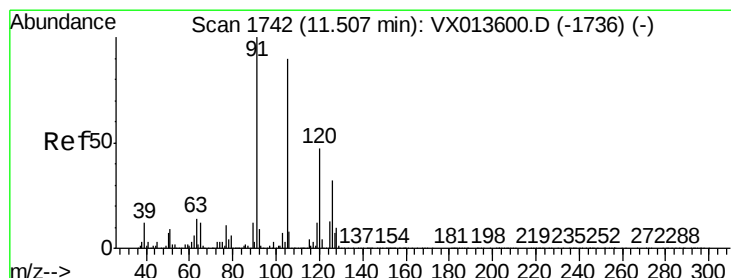
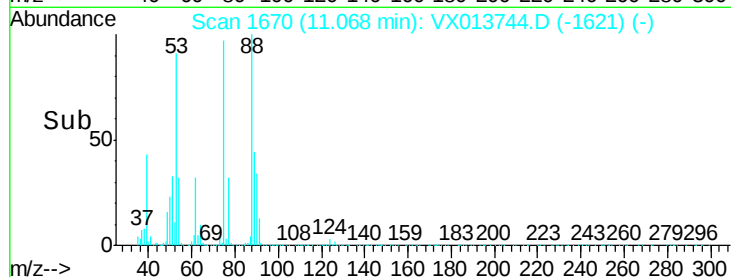
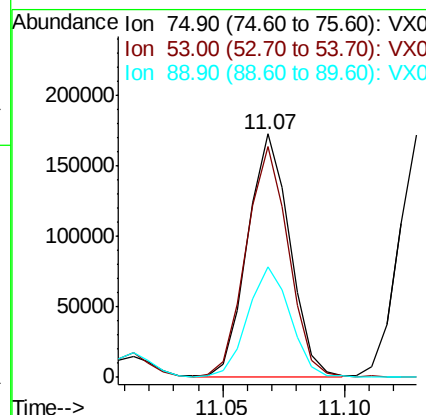
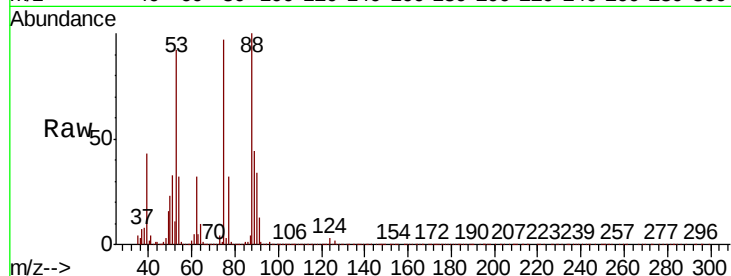
#81
trans-1,4-Dichloro-2-butene
Concen: 52.769 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	78.2	117.2
89	46.0	35.4	53.2

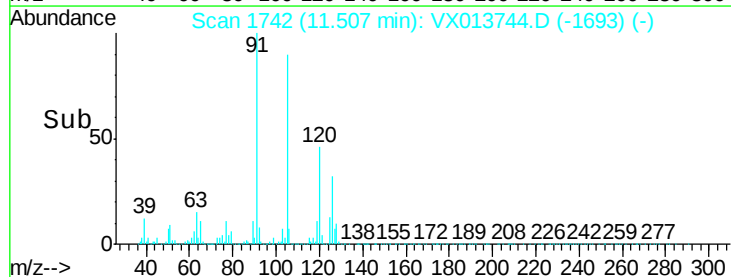
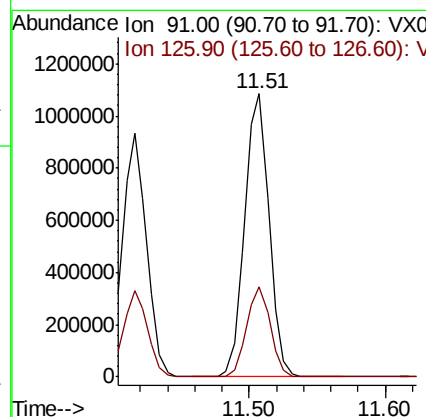
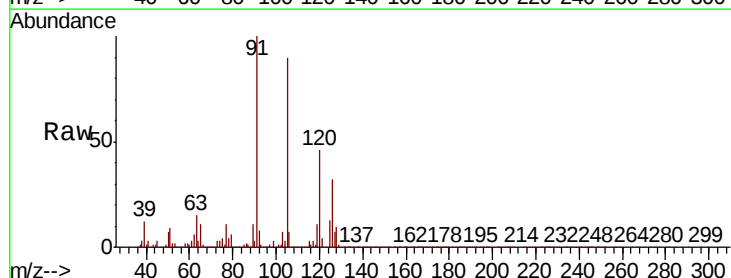
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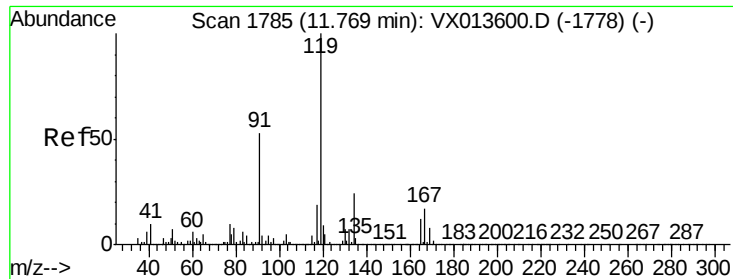
apatel
12/5/2019 11:25:07 AM



#82
4-Chlorotoluene
Concen: 51.978 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.7	47.0





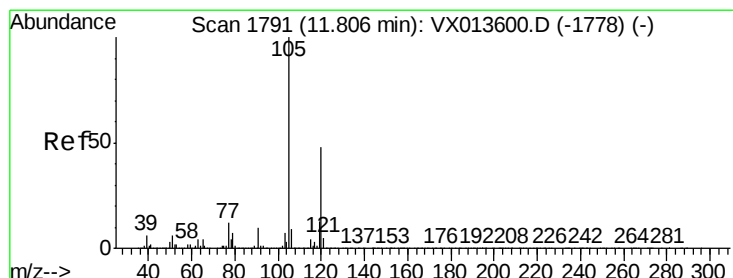
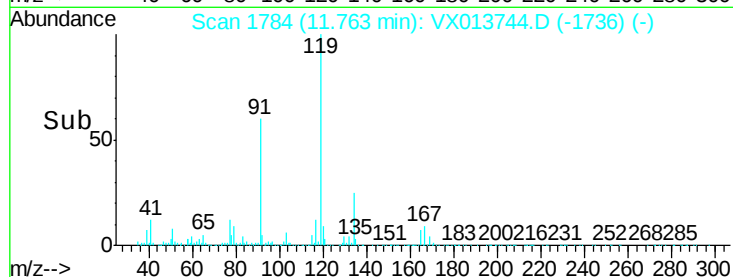
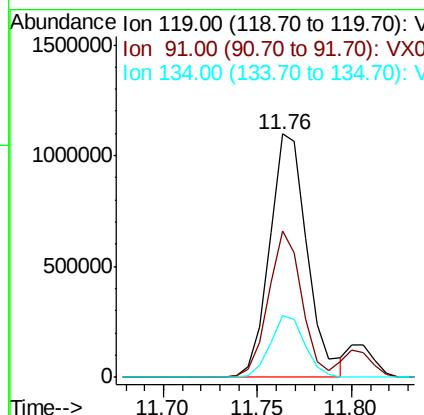
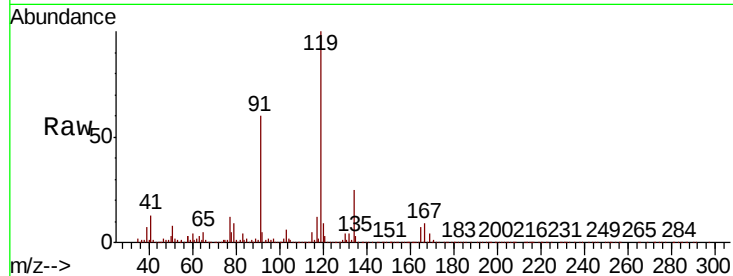
#83
tert-Butylbenzene
Concen: 53.993 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.6	27.2	81.6
134	23.3	11.7	35.1

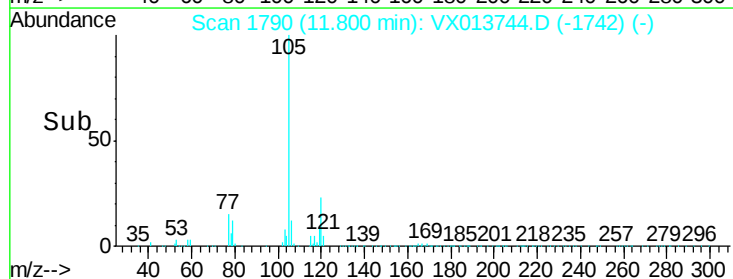
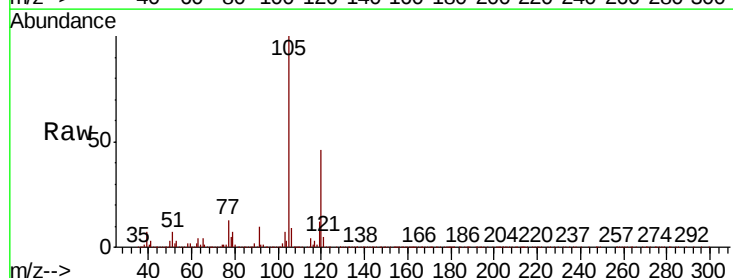
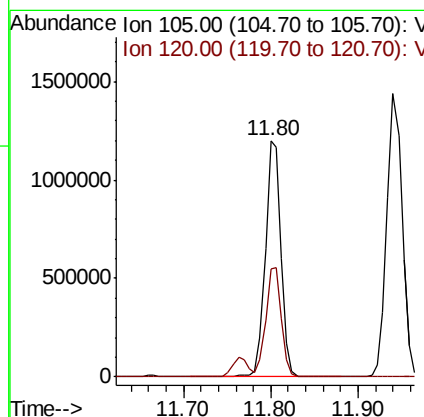
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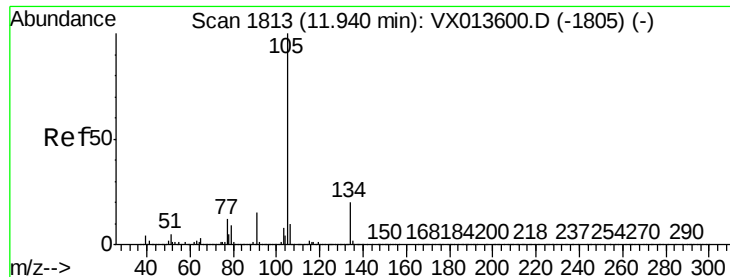
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 53.484 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.3





#85

sec-Butylbenzene

Concen: 54.339 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1737207

Ion Ratio Lower Upper

105 100

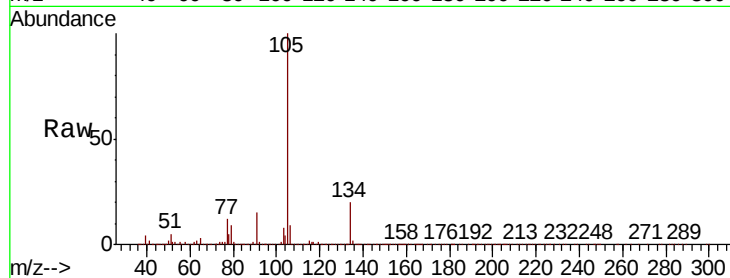
134 20.7 10.4 31.2

Manual Integrations

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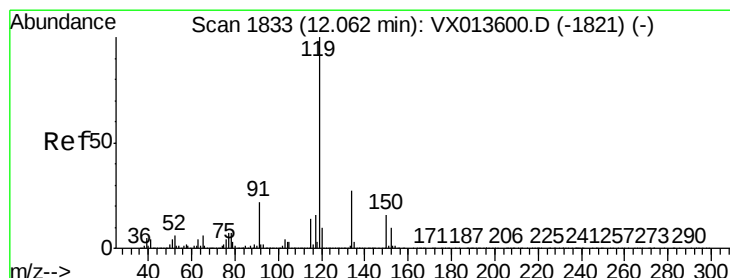
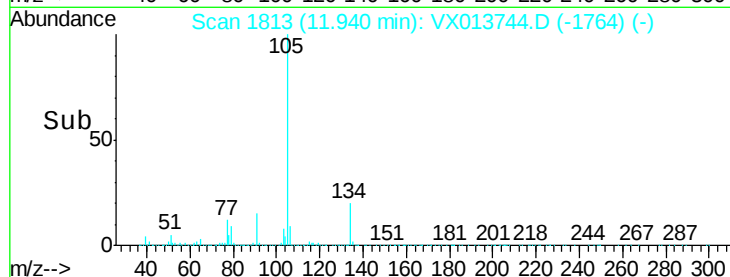
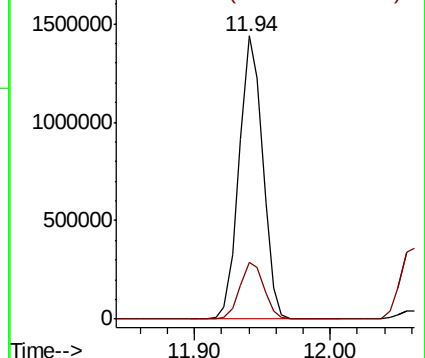
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.251 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013744.D

Acq: 04 Dec 2019 11:49

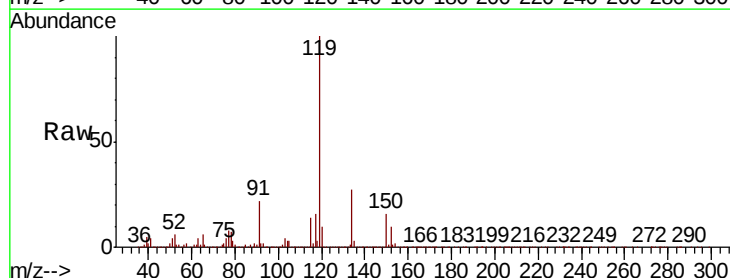
Tgt Ion:119 Resp: 1613494

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

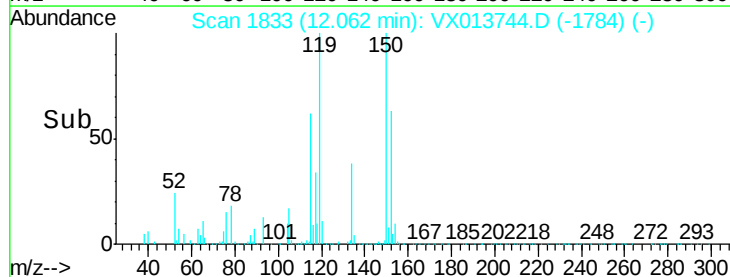
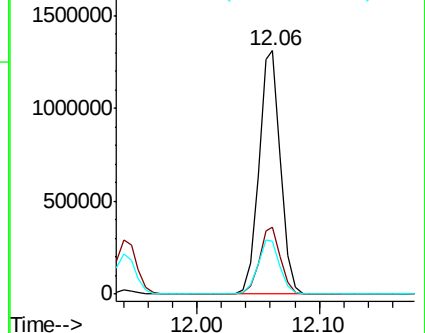
91 22.4 11.3 33.8

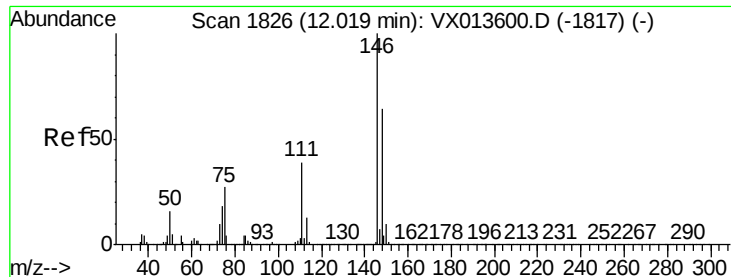


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





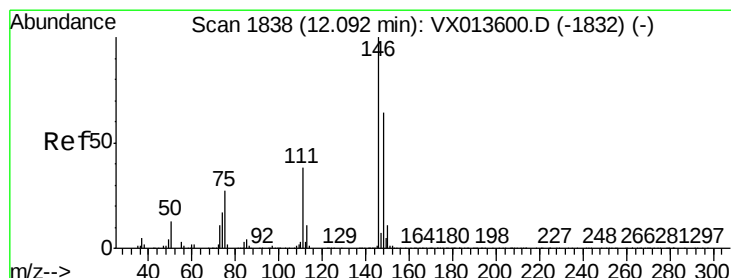
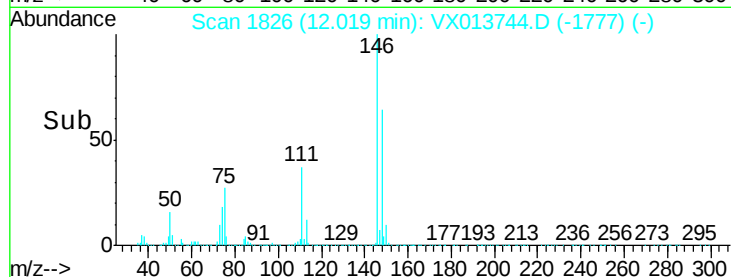
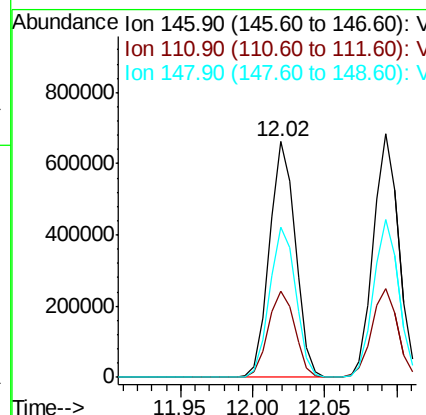
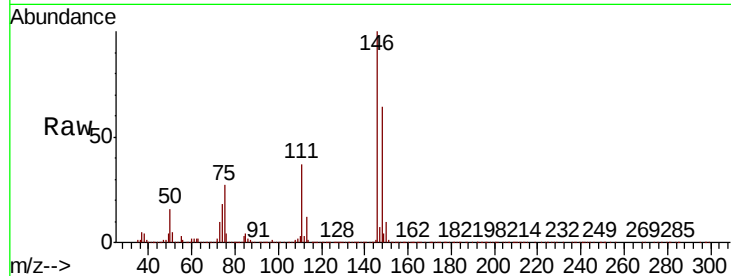
#87
 1,3-Dichlorobenzene
 Concen: 52.147 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013744.D
 Acq: 04 Dec 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	64.3	31.8	95.4

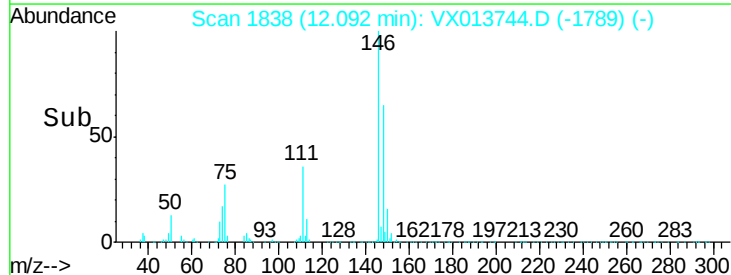
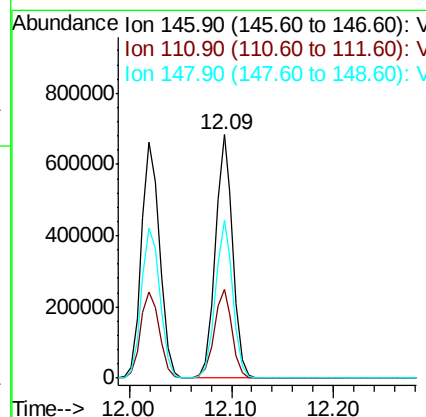
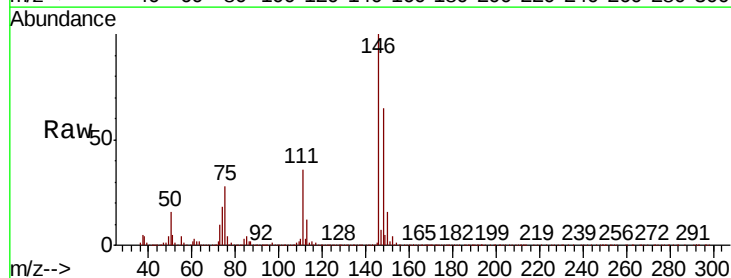
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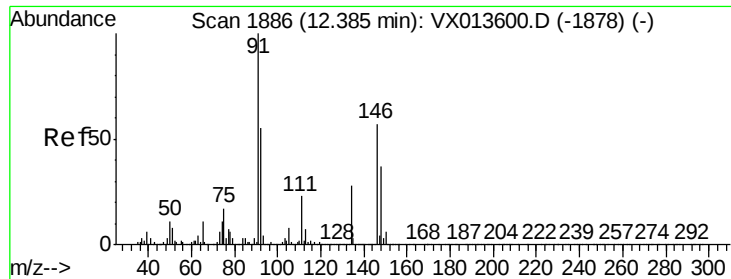
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#88
 1,4-Dichlorobenzene
 Concen: 50.718 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013744.D
 Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	64.5	31.9	95.5





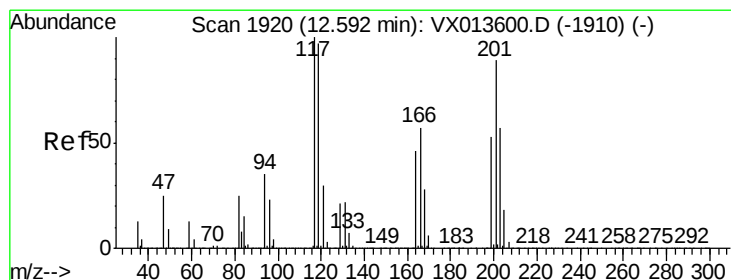
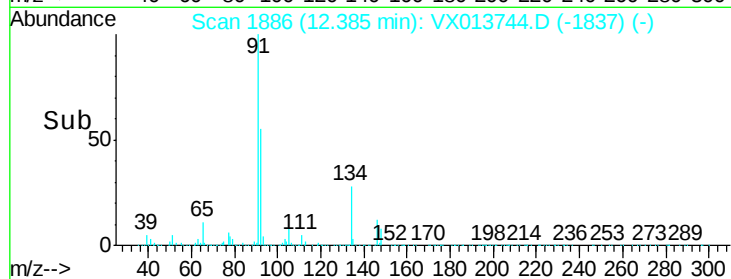
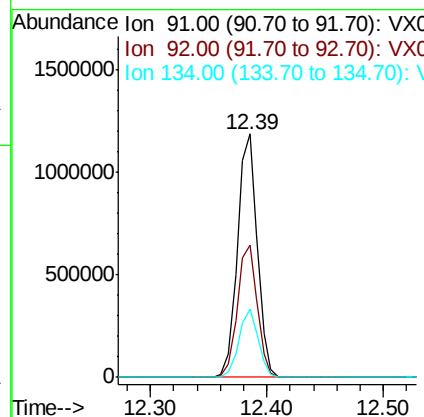
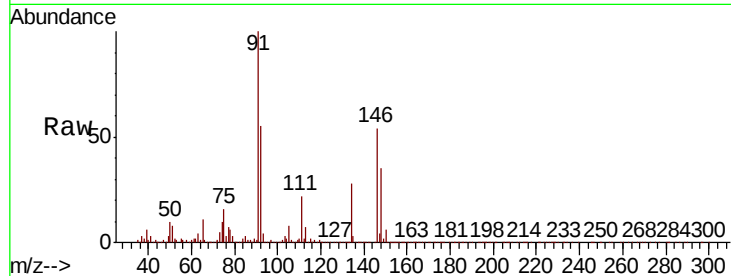
#89
n-Butylbenzene
Concen: 55.502 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	27.5	13.5	40.4

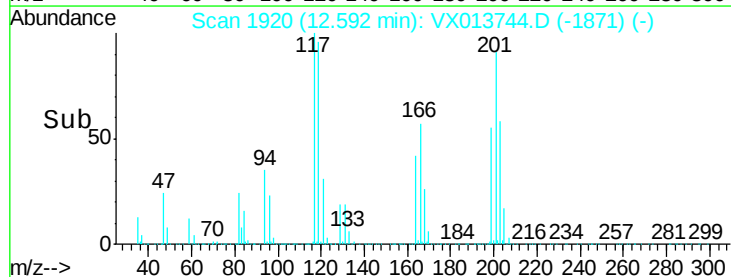
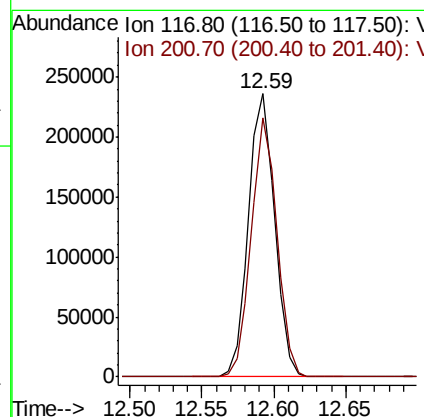
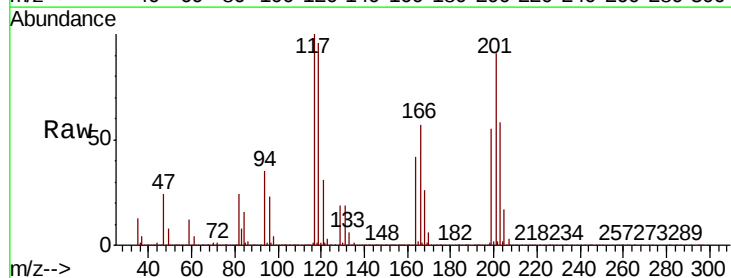
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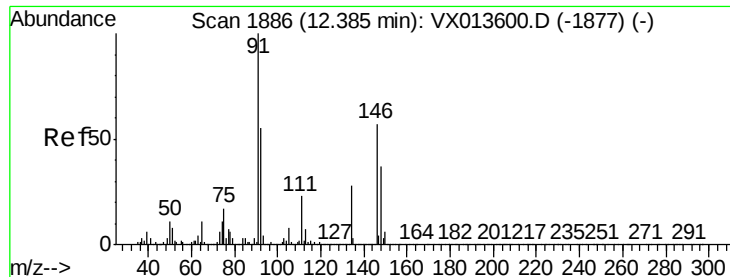
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#90
Hexachloroethane
Concen: 55.314 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	44.1	132.4





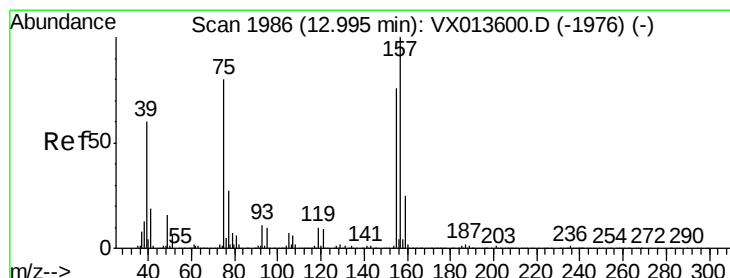
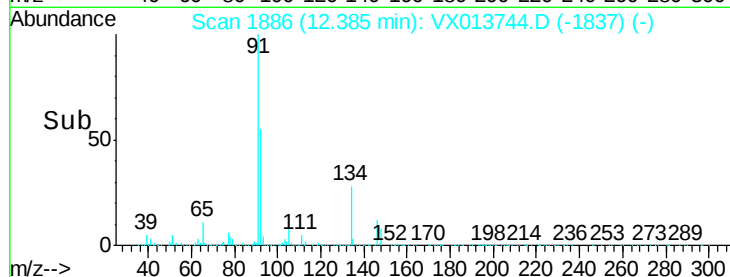
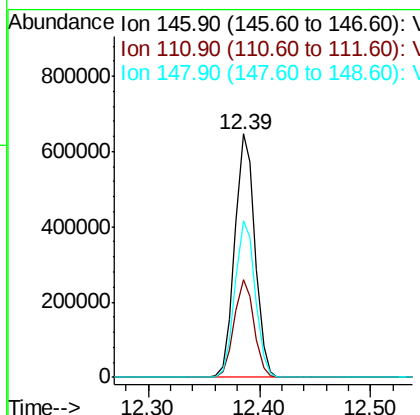
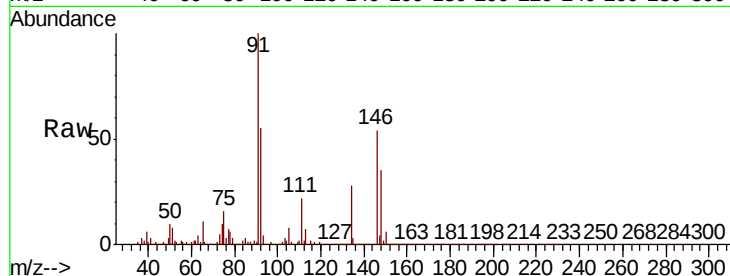
#91
 1,2-Dichlorobenzene
 Concen: 51.678 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013744.D
 Acq: 04 Dec 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	64.7	31.9	95.7

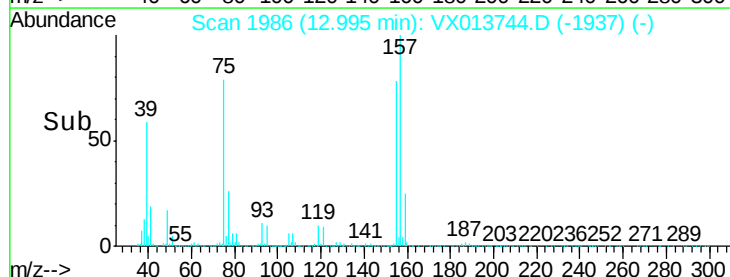
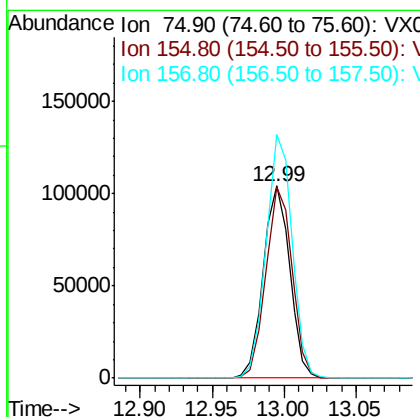
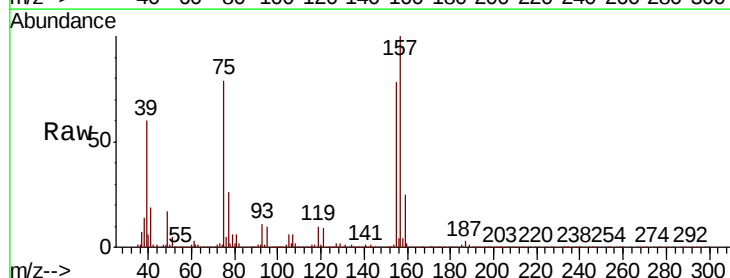
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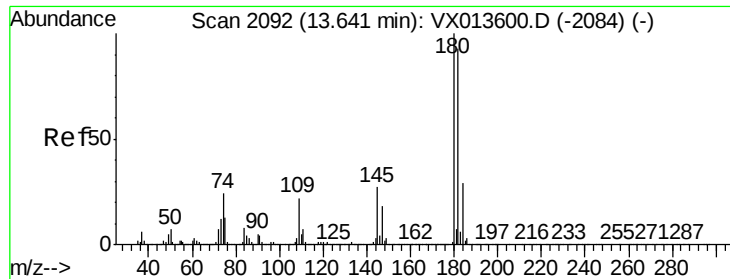
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.862 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013744.D
 Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.6	47.6	142.8
157	125.7	62.1	186.2





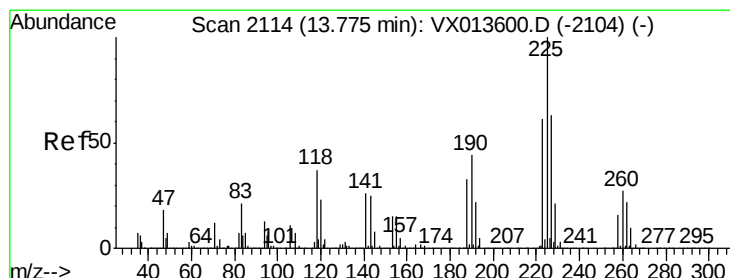
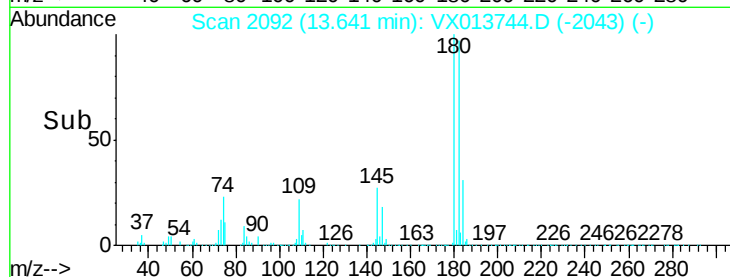
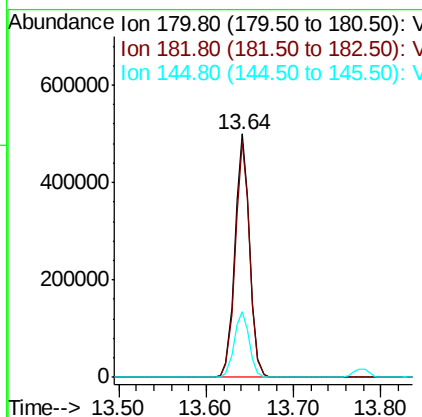
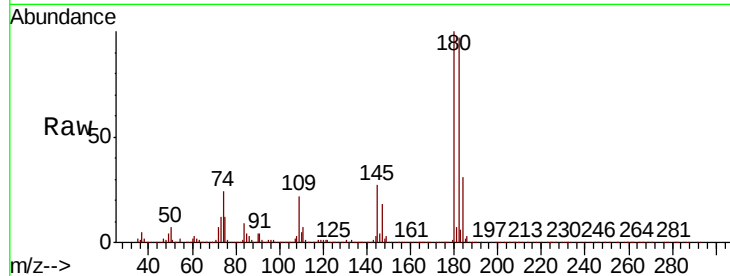
#93
 1,2,4-Trichlorobenzene
 Concen: 54.129 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013744.D
 Acq: 04 Dec 2019 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	589814		
182	95.5	47.2	141.6	
145	27.6	13.8	41.4	

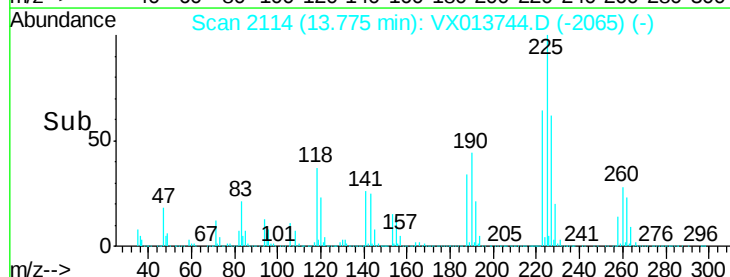
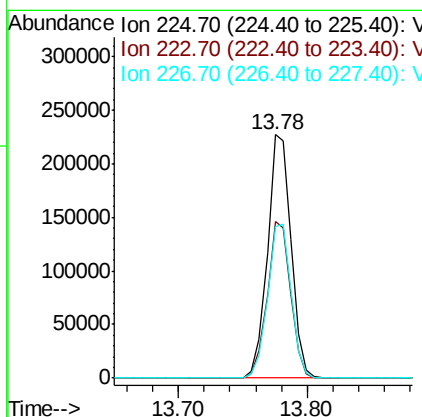
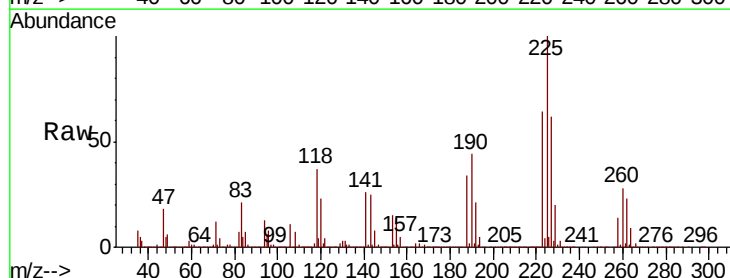
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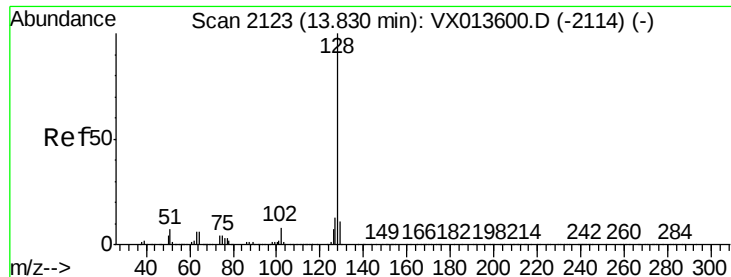
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 12/5/2019 11:25:07 AM



#94
 Hexachlorobutadiene
 Concen: 55.139 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013744.D
 Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	288620		
223	63.8	31.9	95.5	
227	63.3	32.1	96.3	





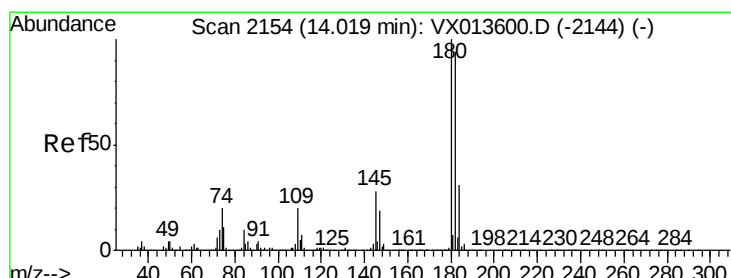
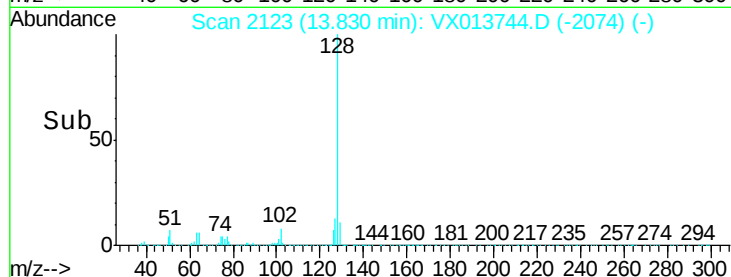
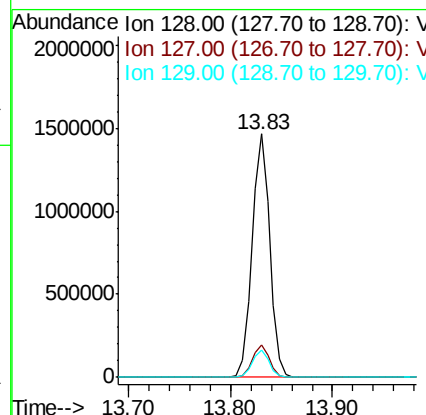
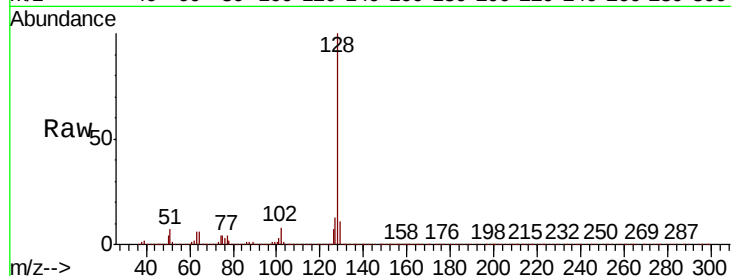
#95
Naphthalene
Concen: 54.327 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

apatel
12/5/2019 11:25:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.338 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VX013744.D
Acq: 04 Dec 2019 11:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	29.8	15.0	45.0

