

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013988.D
 Acq On : 12 Dec 2019 20:15
 Operator : JC/SP
 Sample : K6249-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:27 AM

Quant Time: Dec 13 04:37:36 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	485101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	753975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	693356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354296	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	256781	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
35) Dibromofluoromethane	5.49	113	216203	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	8.71	98	802307	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	
62) 4-Bromofluorobenzene	11.14	95	304767	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	232811	43.117	ug/l	98
3) Chloromethane	1.31	50	269012	44.402	ug/l	99
4) Vinyl Chloride	1.40	62	311332	45.656	ug/l	100
5) Bromomethane	1.62	94	225157	49.166	ug/l	96
6) Chloroethane	1.70	64	184991	47.674	ug/l	100
7) Trichlorofluoromethane	1.91	101	346008	45.696	ug/l	100
8) Diethyl Ether	2.18	74	166951	48.736	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	216885	46.894	ug/l	99
10) Methyl Iodide	2.50	142	288310	51.532	ug/l	100
11) Tert butyl alcohol	3.05	59	317606	228.511	ug/l	99
12) 1,1-Dichloroethene	2.36	96	217333	47.077	ug/l	97
13) Acrolein	2.28	56	215287	232.052	ug/l	98
14) Allyl chloride	2.72	41	394481	47.086	ug/l	100
15) Acrylonitrile	3.13	53	694926	242.220	ug/l	99
16) Acetone	2.44	43	574182	206.536	ug/l	98
17) Carbon Disulfide	2.56	76	509832	38.740	ug/l	99
18) Methyl Acetate	2.76	43	384571	49.677	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	764724	50.003	ug/l	99
20) Methylene Chloride	2.84	84	253473	47.458	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	228886	45.511	ug/l	98
22) Diisopropyl ether	3.84	45	827903	51.321	ug/l	99
23) Vinyl Acetate	3.80	43	3179615	236.929	ug/l	99
24) 1,1-Dichloroethane	3.69	63	548845	62.236	ug/l	98
25) 2-Butanone	4.66	43	962339	232.916	ug/l	100
26) 2,2-Dichloropropane	4.57	77	311711	42.721	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	277699	48.082	ug/l	98
28) Bromochloromethane	5.01	49	189225	54.298	ug/l	97
29) Tetrahydrofuran	5.12	42	613489	240.861	ug/l	99
30) Chloroform	5.20	83	427530	47.803	ug/l	96
31) Cyclohexane	5.57	56	375656	45.162	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	358831	48.011	ug/l	99
36) 1,1-Dichloropropene	5.79	75	311207	45.470	ug/l	99
37) Ethyl Acetate	4.82	43	357329	46.538	ug/l	100
38) Carbon Tetrachloride	5.78	117	300183	47.565	ug/l	98

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 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)
39) Methylcyclohexane	7.45	83	370621	43.808	ug/l	99
40) Benzene	6.13	78	993796	47.675	ug/l	98
41) Methacrylonitrile	5.03	41	206179	48.964	ug/l	99
42) 1,2-Dichloroethane	6.18	62	344897	48.515	ug/l	99
43) Isopropyl Acetate	6.43	43	594871	47.060	ug/l	100
44) Trichloroethene	7.20	130	276350	48.305	ug/l	95
45) 1,2-Dichloropropane	7.51	63	263812	50.583	ug/l	99
46) Dibromomethane	7.65	93	164866	46.544	ug/l	98
47) Bromodichloromethane	7.89	83	330231	49.315	ug/l	99
48) Methyl methacrylate	7.76	41	306011	49.824	ug/l	99
49) 1,4-Dioxane	7.73	88	124235	903.678	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	2026915	254.917	ug/l	99
52) Toluene	8.78	92	626072	48.346	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	361828	47.471	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	404335	48.555	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	264558	50.696	ug/l	98
56) Ethyl methacrylate	9.17	69	422728	50.384	ug/l	100
57) 1,3-Dichloropropane	9.37	76	443980	49.358	ug/l	100
59) 2-Hexanone	9.49	43	1536837	247.821	ug/l	99
60) Dibromochloromethane	9.57	129	273252	50.455	ug/l	99
61) 1,2-Dibromoethane	9.67	107	270965	48.616	ug/l	98
64) Tetrachloroethene	9.33	164	234840	45.418	ug/l	96
65) Chlorobenzene	10.14	112	681031	47.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	256363	49.593	ug/l	100
67) Ethyl Benzene	10.25	91	1200405	48.527	ug/l	100
68) m/p-Xylenes	10.35	106	909951	96.081	ug/l	99
69) o-Xylene	10.70	106	444949	48.172	ug/l	98
70) Stvrene	10.71	104	773449	49.779	ug/l	100
71) Bromoform	10.85	173	212429	49.666	ug/l #	99
73) Isopropylbenzene	11.01	105	1194899	48.080	ug/l	100
74) N-amyl acetate	10.89	43	544224	47.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	440546	51.115	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	389306m	48.854	ug/l	
77) Bromobenzene	11.25	156	317716	47.322	ug/l	98
78) n-propylbenzene	11.35	91	1328950	47.902	ug/l	100
79) 2-Chlorotoluene	11.42	91	805394	48.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	998961	49.044	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	130653	44.856	ug/l	99
82) 4-Chlorotoluene	11.51	91	924437	47.959	ug/l	99
83) tert-Butylbenzene	11.77	119	1019539	49.251	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1009219	48.820	ug/l	100
85) sec-Butylbenzene	11.94	105	1172353	49.582	ug/l	100
86) p-Isopropyltoluene	12.06	119	1056879	48.047	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	552117	47.175	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	566104	47.489	ug/l	100
89) n-Butylbenzene	12.38	91	886419	47.248	ug/l	100
90) Hexachloroethane	12.59	117	191057	48.053	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	569360	49.237	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	87715	46.735	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	370071	45.920	ug/l	98

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Manual Integrations
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Quant Time: Dec 13 04:37:36 2019
Quant Method : Z:\V0ASRV\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)
94) Hexachlorobutadiene	13.77	225	173596	44.841	ug/l	99
95) Naphthalene	13.83	128	1121957	46.748	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	376874	47.231	ug/l	99

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

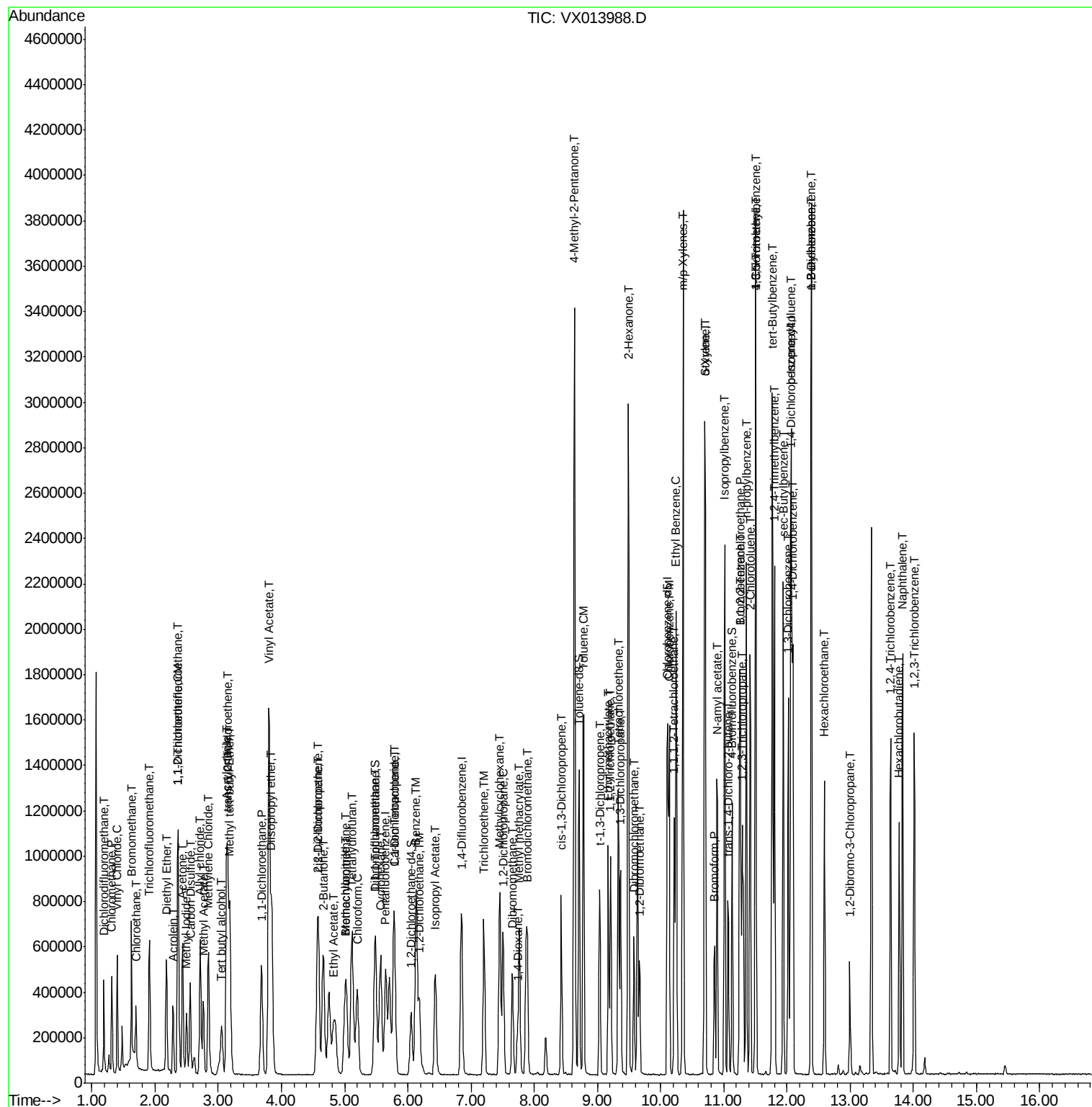
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 Data File : VX013988.D
 Acq On : 12 Dec 2019 20:15
 Operator : JC/SP
 Sample : K6249-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

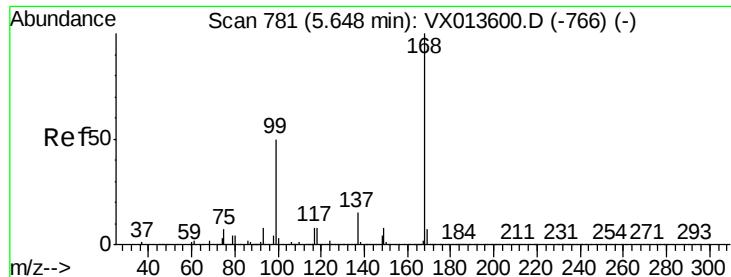
Instrument :
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 ClientSampleId :
 SA-PZ1871-20191208MSD

Manual Integrations
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apatel
 12/13/2019 11:25:27 AM

Quant Time: Dec 13 04:37:36 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration





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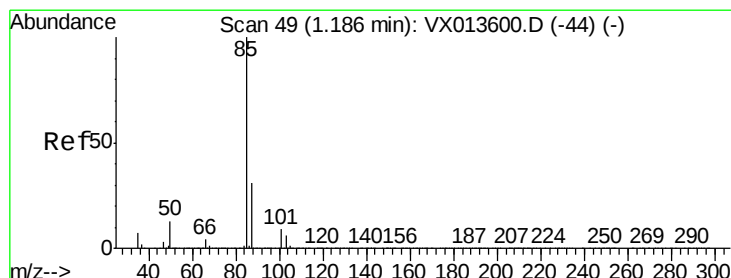
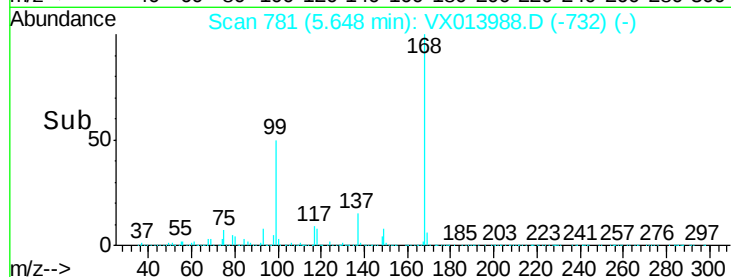
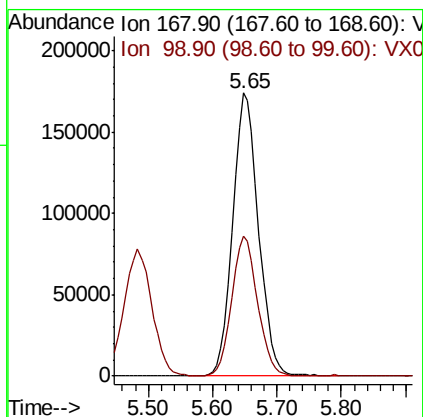
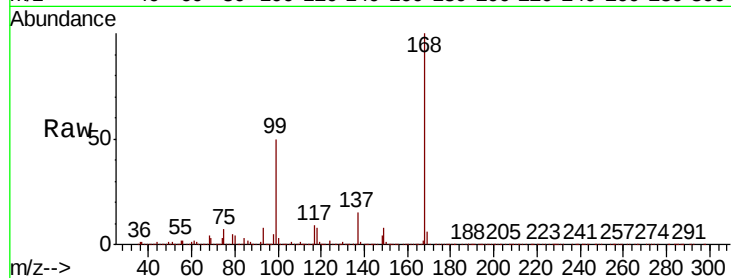
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.2	39.8	59.8

Manual Integrations
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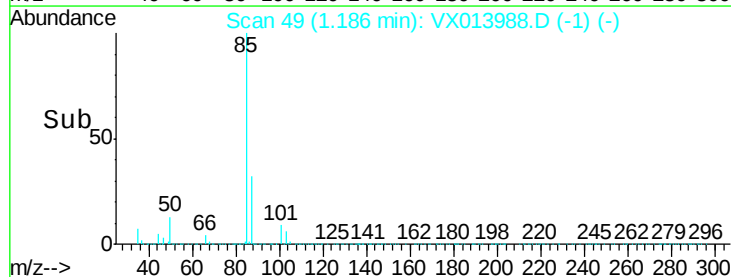
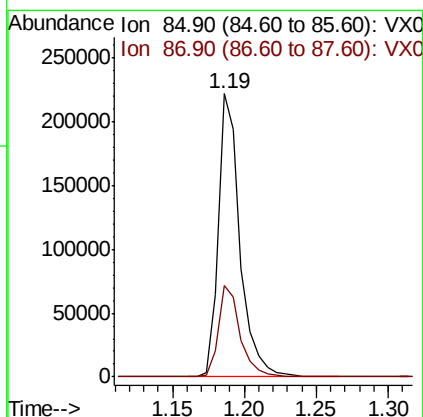
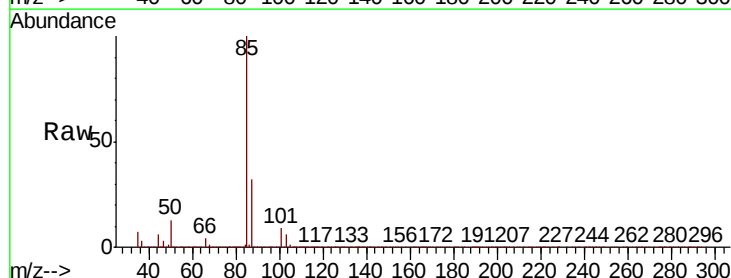
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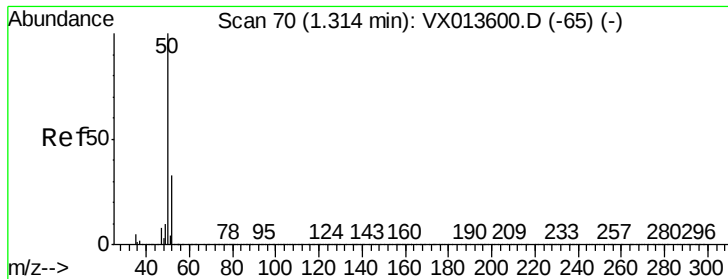


#2

Dichlorodifluoromethane
Concen: 43.117 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.1





#3

Chloromethane

Concen: 44.402 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion: 50 Resp: 269012

Ion Ratio Lower Upper

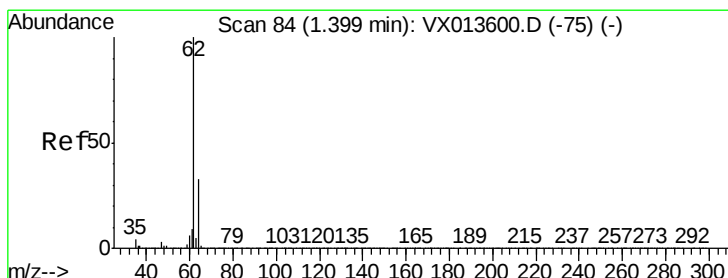
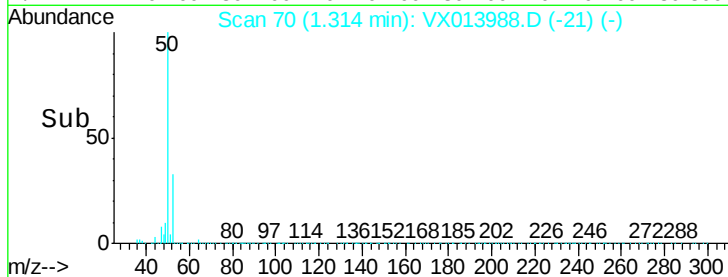
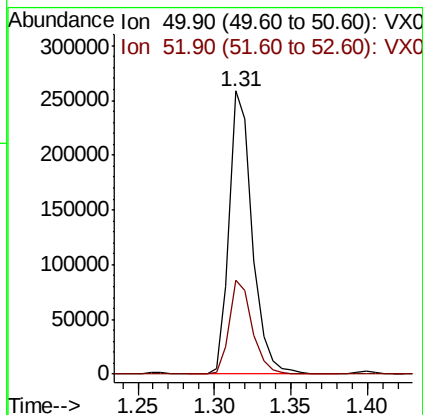
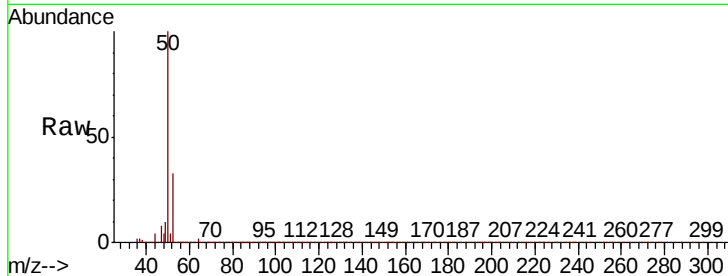
50 100

52 32.9 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.656 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013988.D

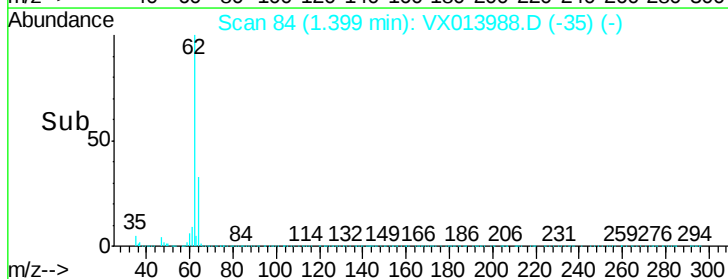
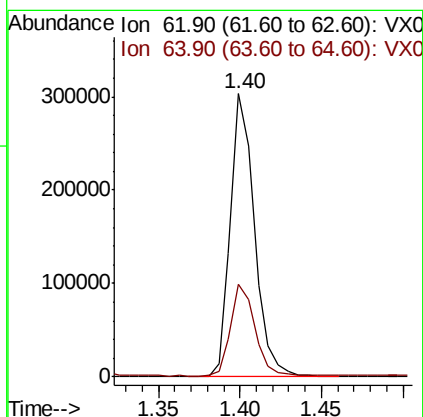
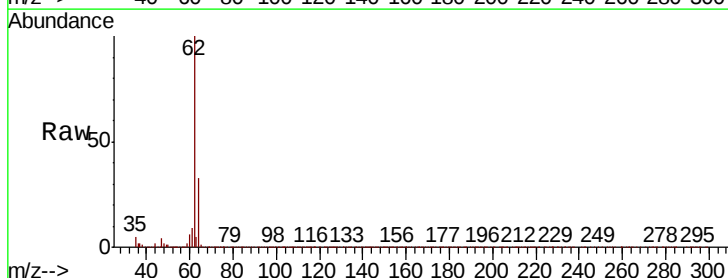
Acq: 12 Dec 2019 20:15

Tgt Ion: 62 Resp: 311332

Ion Ratio Lower Upper

62 100

64 32.6 26.0 39.0





#5

Bromomethane

Concen: 49.166 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion: 94 Resp: 225157

Ion Ratio Lower Upper

94 100

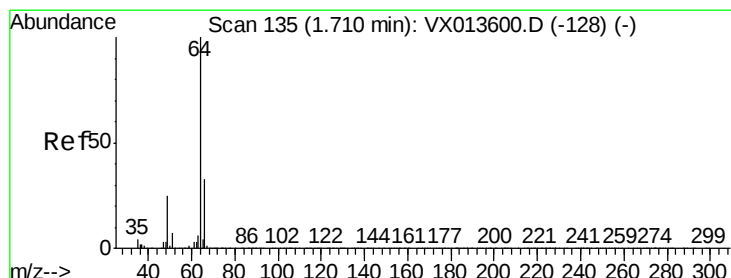
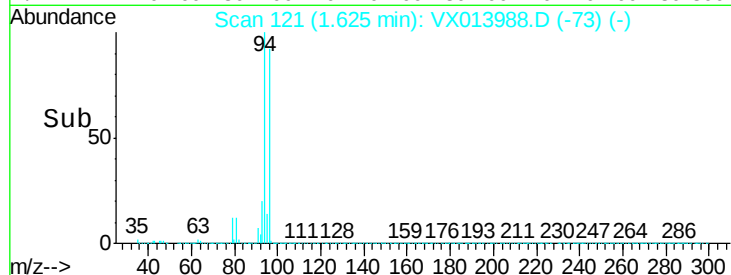
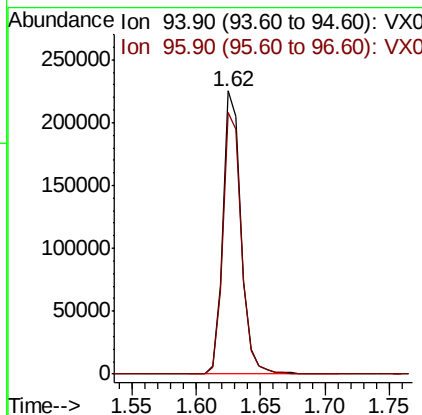
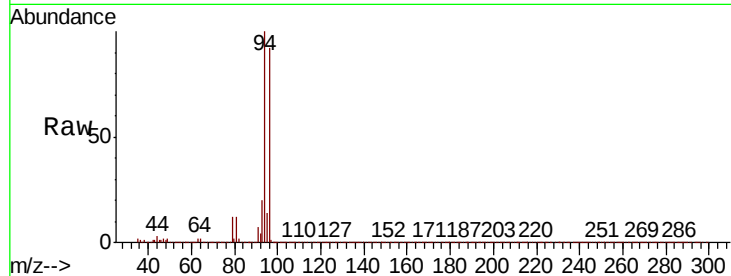
96 92.2 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 47.674 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013988.D

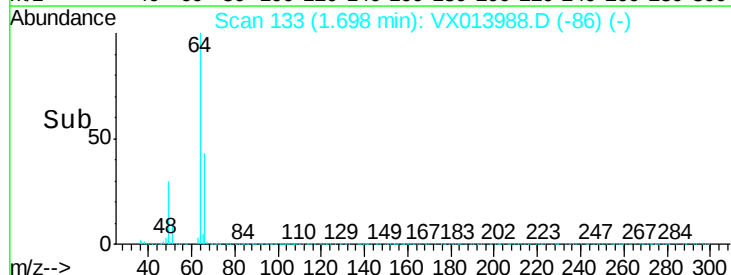
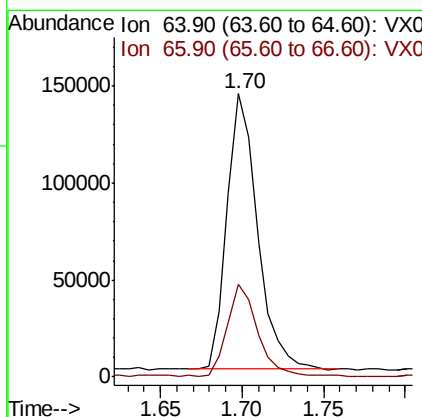
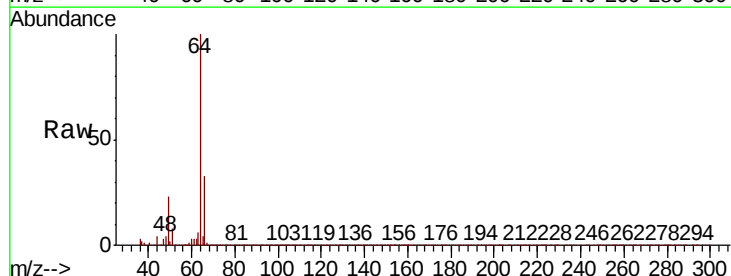
Acq: 12 Dec 2019 20:15

Tgt Ion: 64 Resp: 184991

Ion Ratio Lower Upper

64 100

66 33.3 26.7 40.1





#7

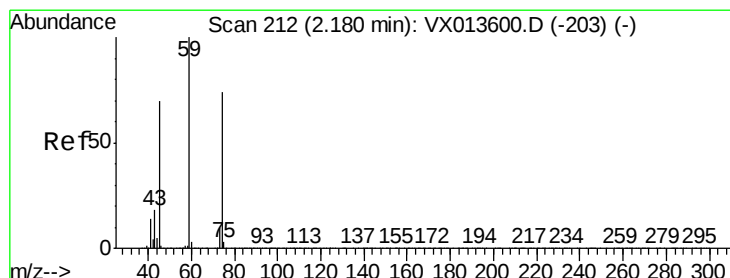
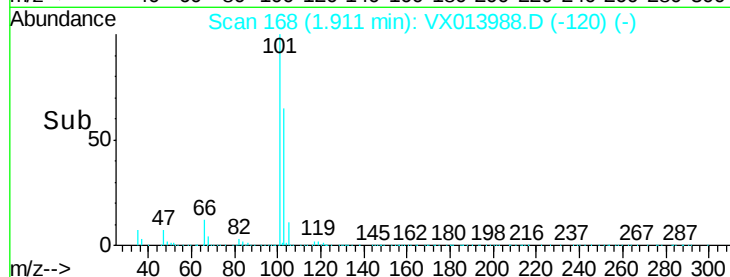
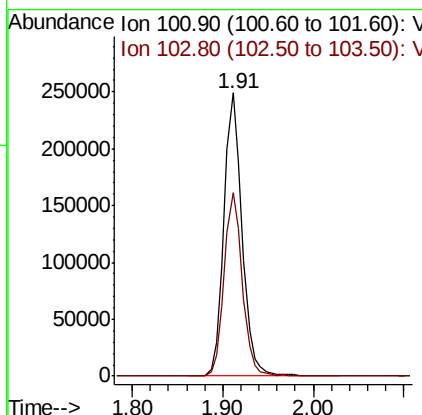
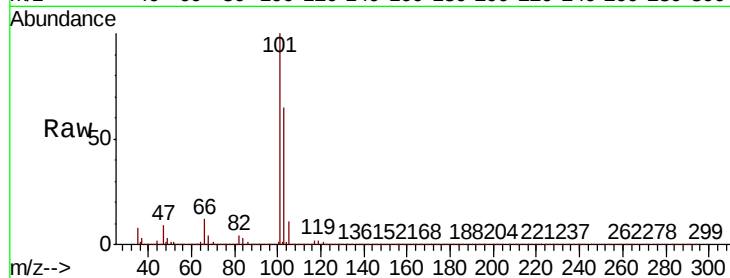
Trichlorofluoromethane
Concen: 45.696 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

Manual Integrations
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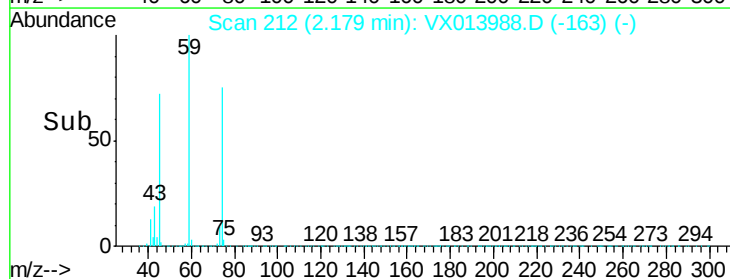
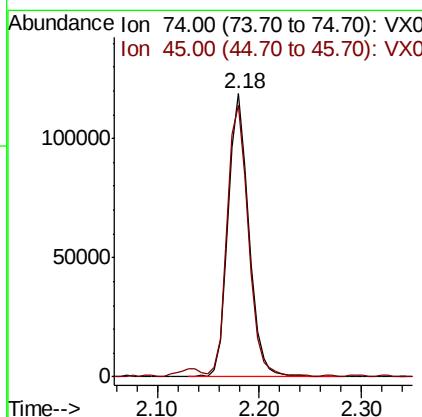
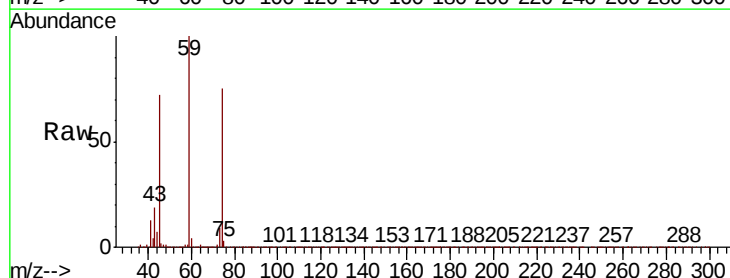
apatel
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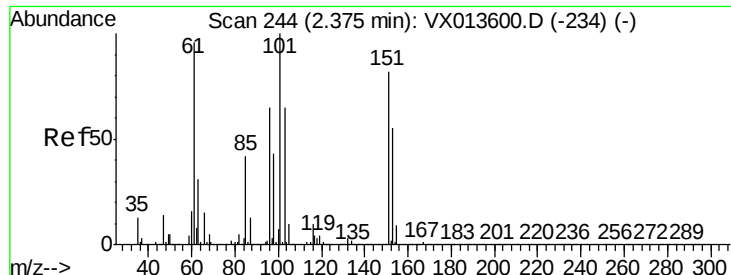


#8

Diethyl Ether
Concen: 48.736 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.894 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

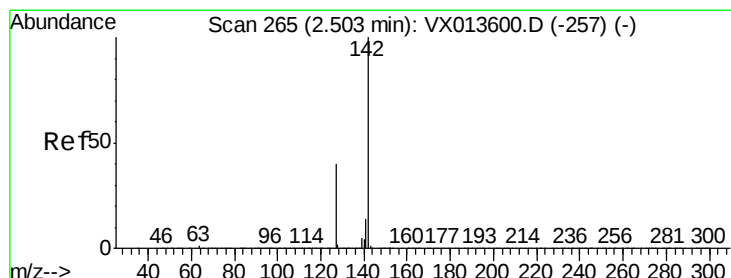
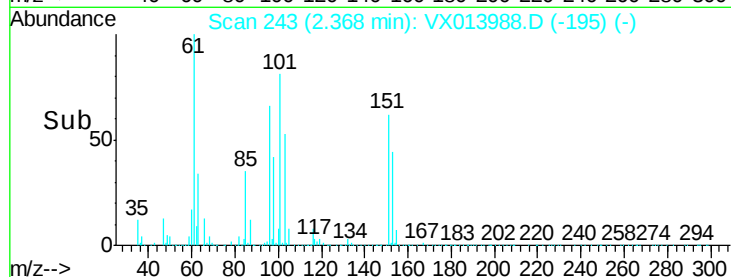
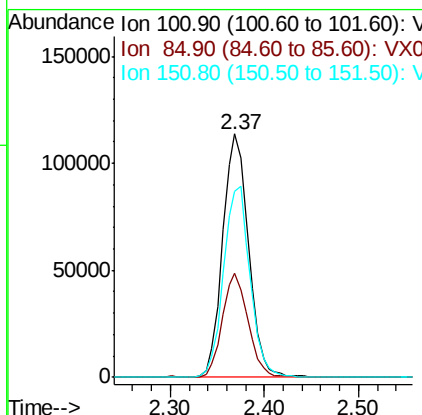
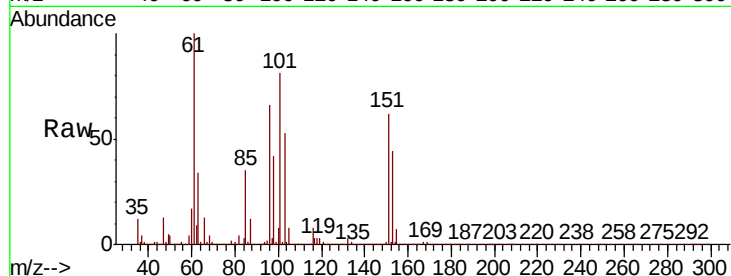
ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:	101	Resp:	216885
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.9	50.9
151	80.9	64.2	96.2

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#10

Methyl Iodide

Concen: 51.532 ug/l

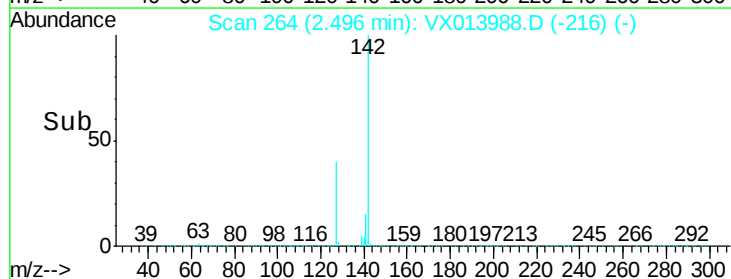
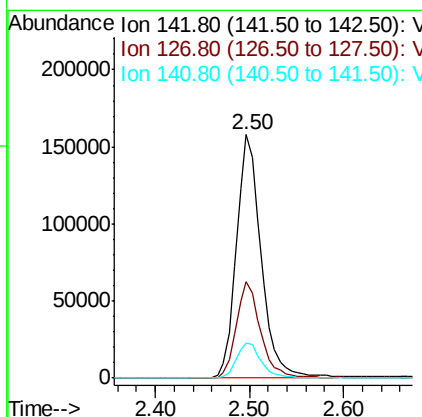
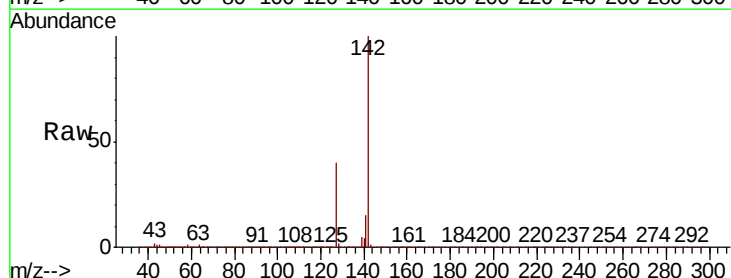
RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion:	142	Resp:	288310
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	14.6	11.6	17.4





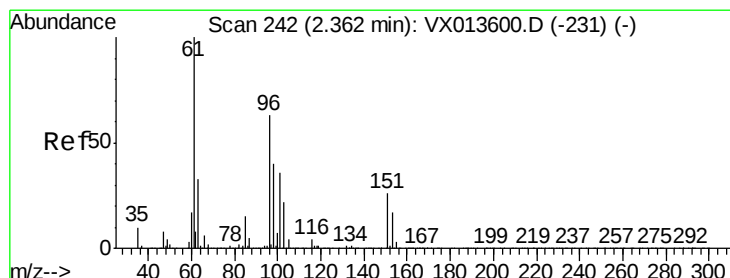
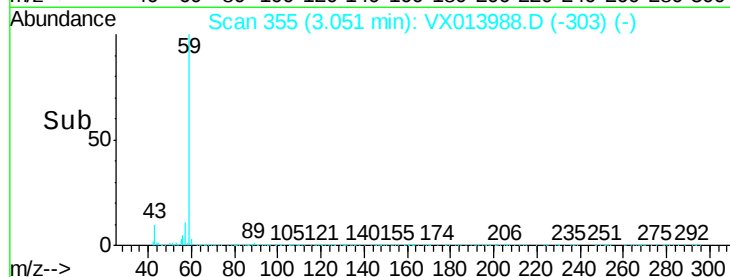
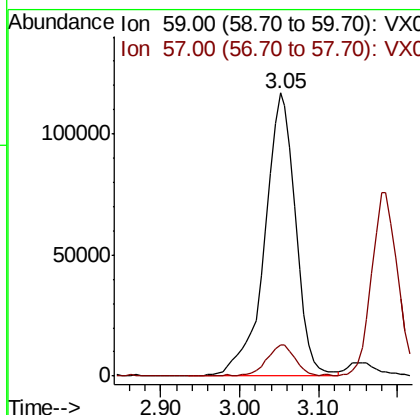
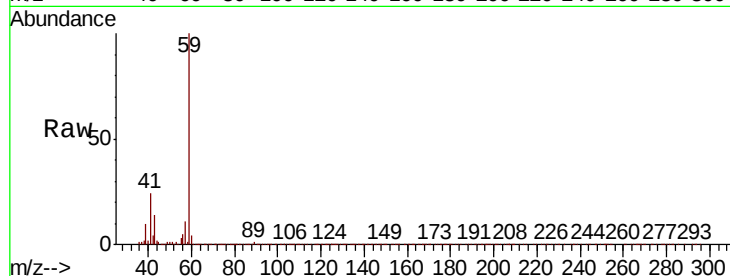
#11
Tert butyl alcohol
Concen: 228.511 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.02 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.8	11.6

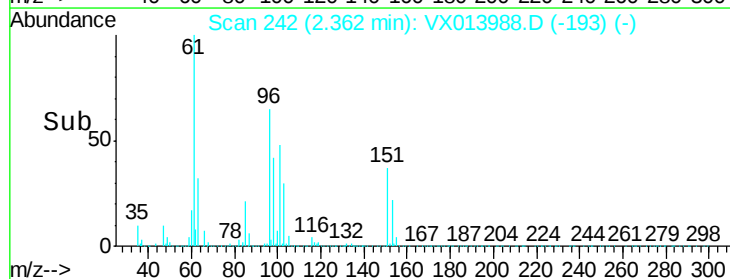
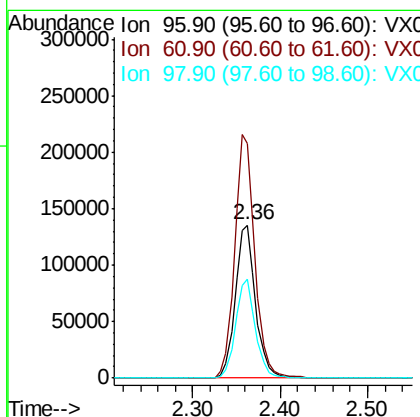
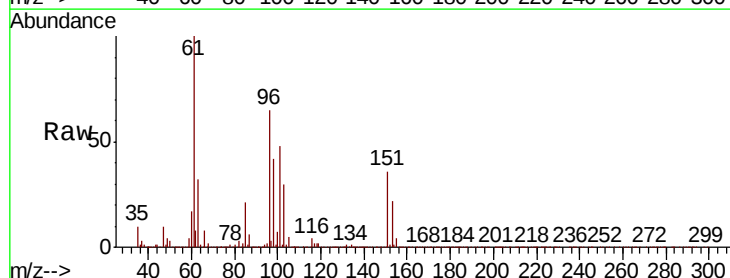
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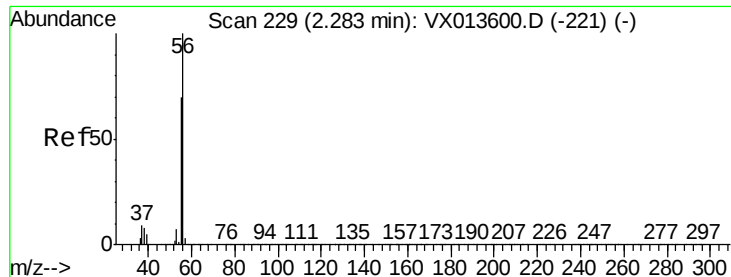
apatel
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#12
1,1-Dichloroethene
Concen: 47.077 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	126.6	190.0
98	64.2	50.6	76.0





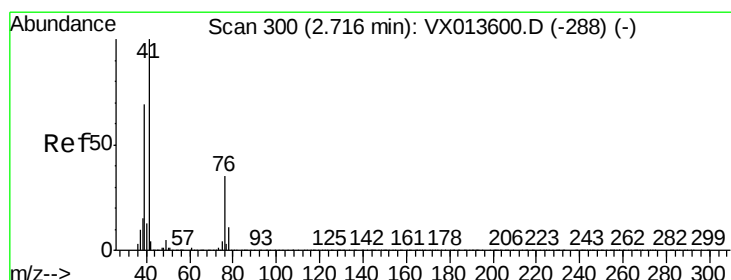
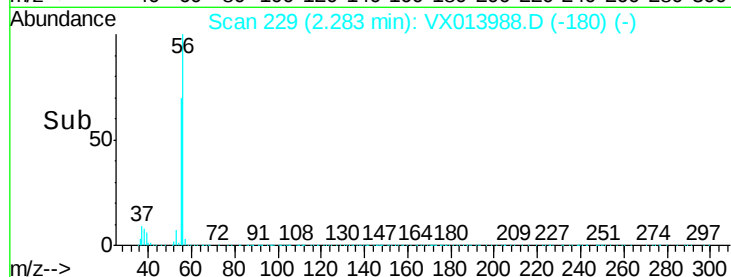
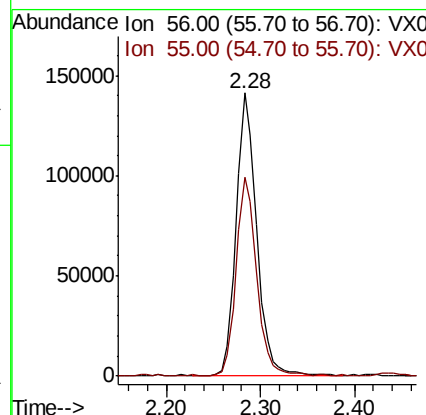
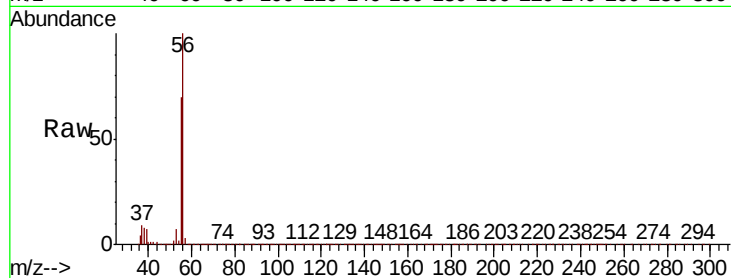
#13
Acrolein
Concen: 232.052 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.2	84.4

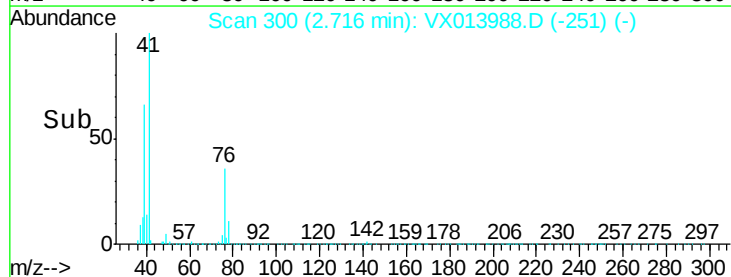
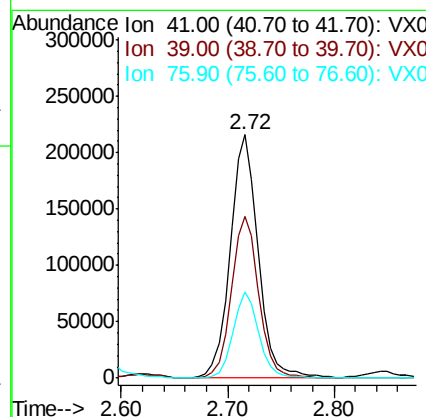
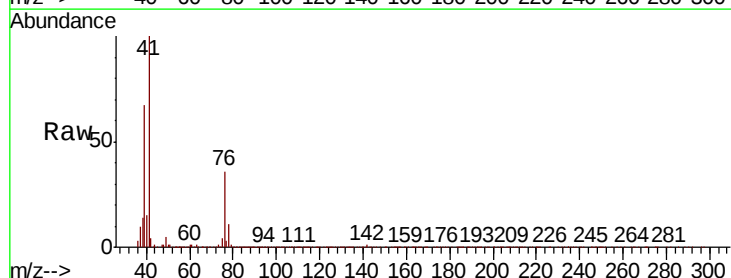
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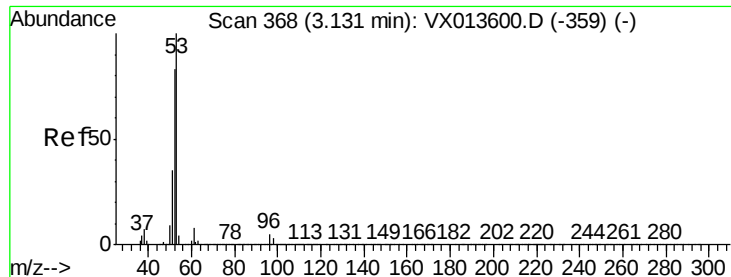
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#14
Allyl chloride
Concen: 47.086 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.4	51.7	77.5
76	32.4	25.9	38.9





#15

Acrylonitrile

Concen: 242.220 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

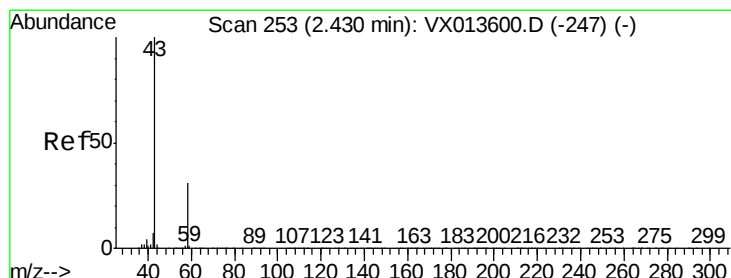
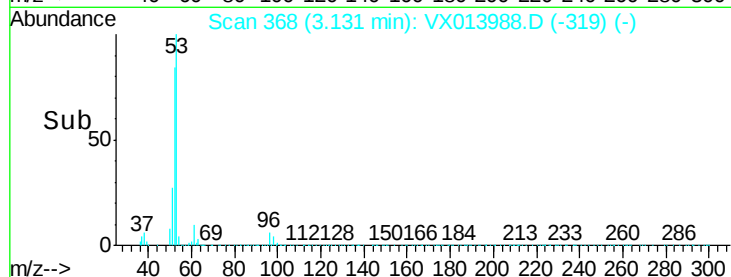
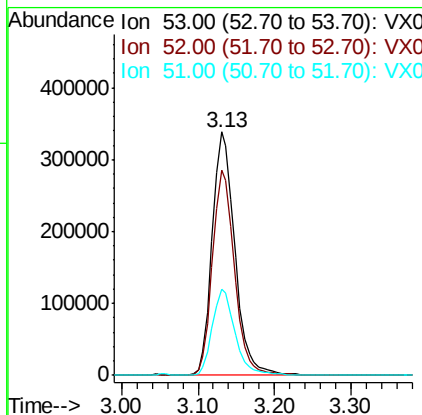
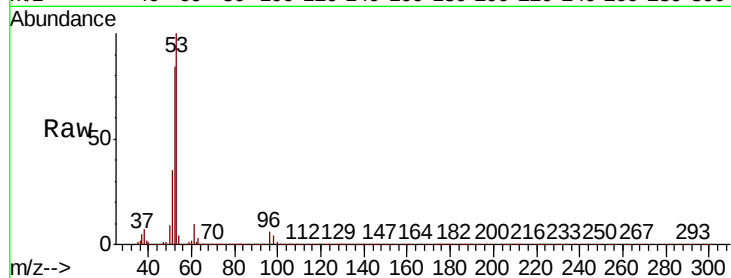
ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:	53	Resp:	694926
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.2	99.2
51	35.2	29.0	43.6

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#16

Acetone

Concen: 206.536 ug/l

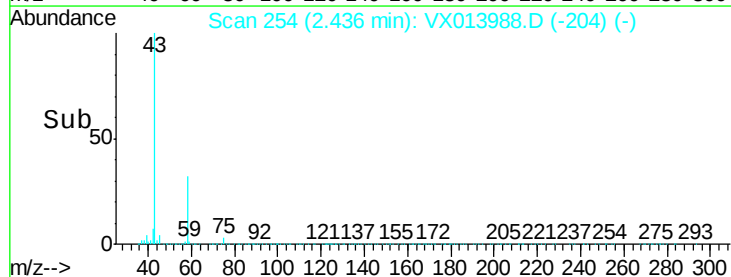
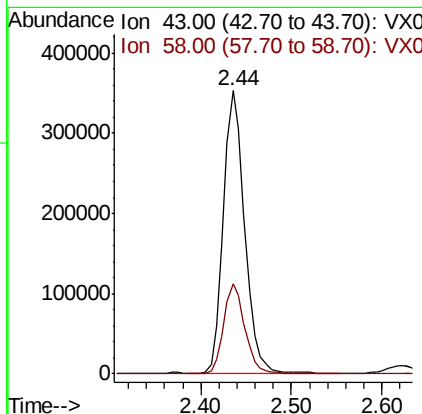
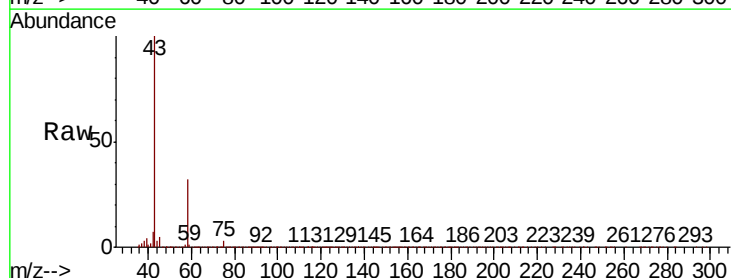
RT: 2.44 min Scan# 254

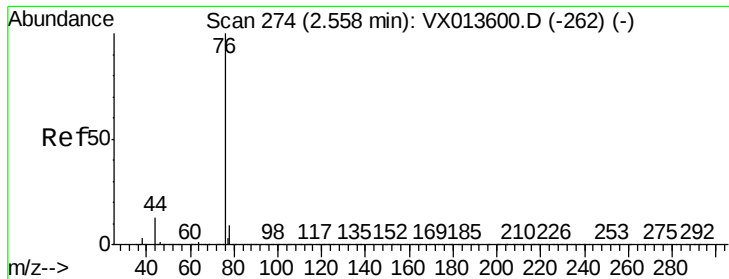
Delta R.T. 0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion:	43	Resp:	574182
Ion Ratio		Lower	Upper
43	100		
58	31.6	24.6	36.8





#17

Carbon Disulfide

Concen: 38.740 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion: 76 Resp: 509832

Ion Ratio Lower Upper

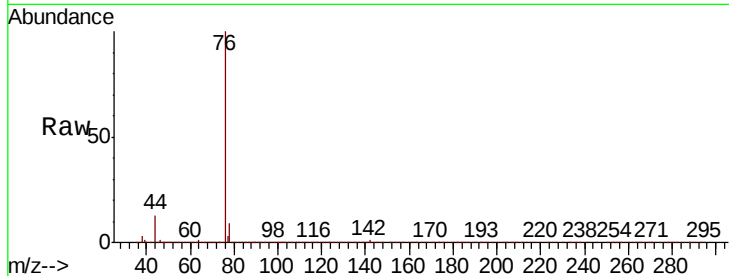
76 100

78 9.3 7.2 10.8

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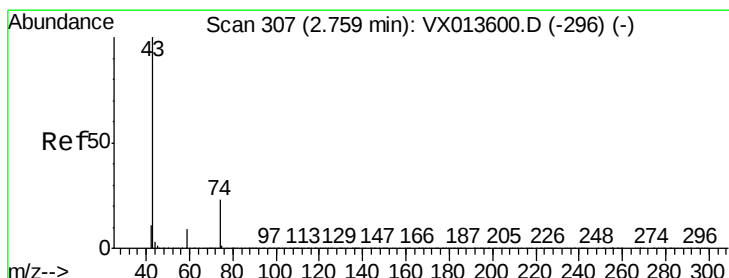
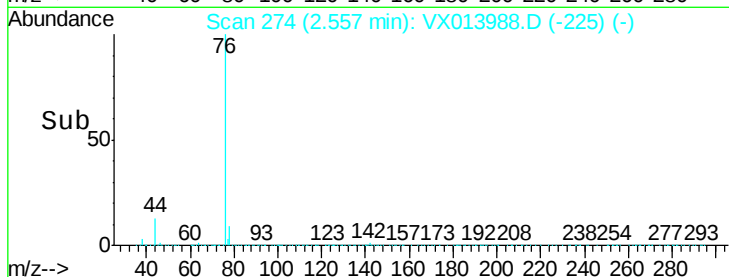
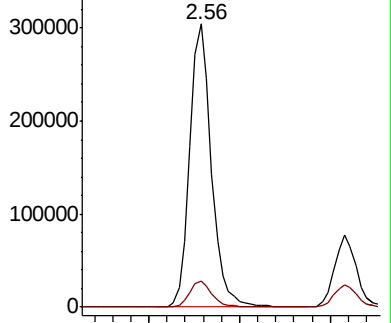
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.677 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013988.D

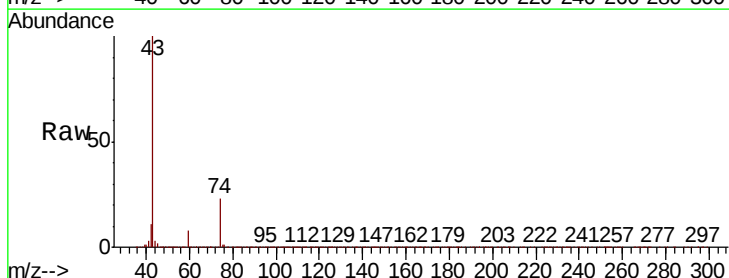
Acq: 12 Dec 2019 20:15

Tgt Ion: 43 Resp: 384571

Ion Ratio Lower Upper

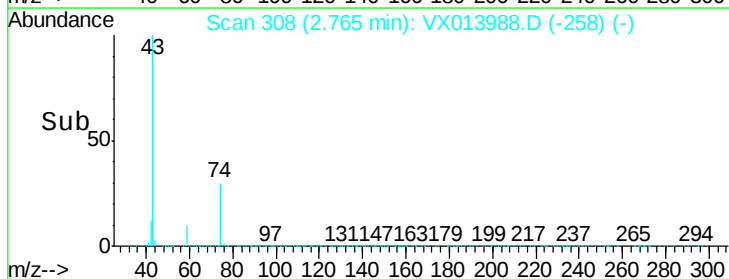
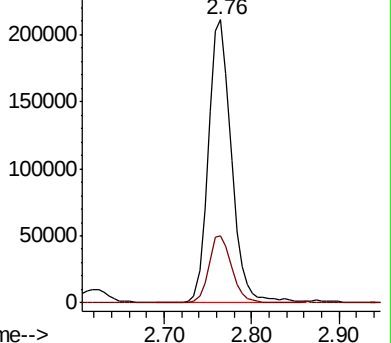
43 100

74 23.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





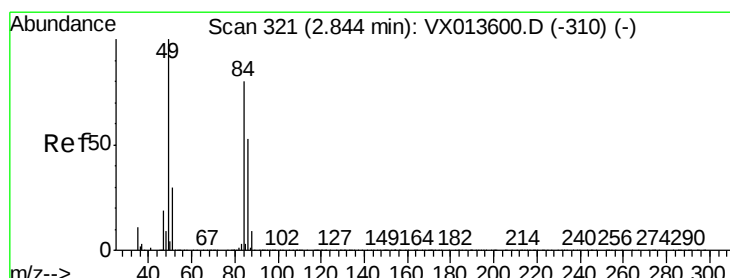
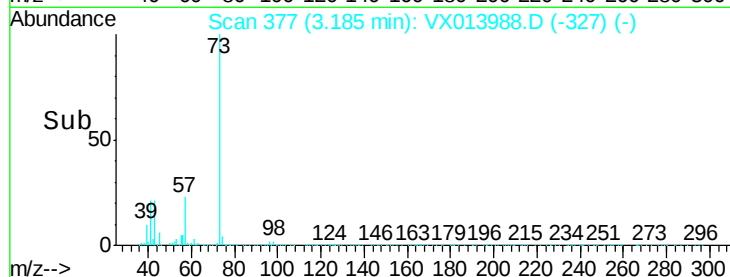
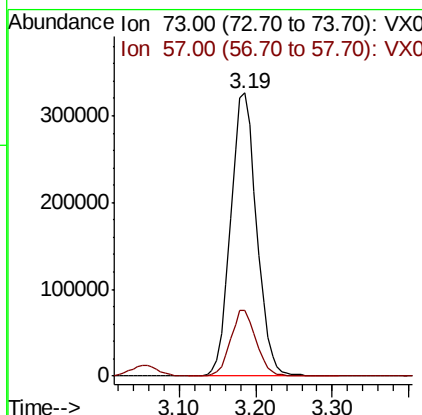
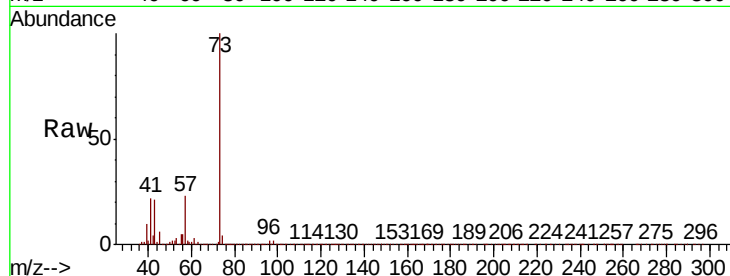
#19
Methyl tert-butyl Ether
Concen: 50.003 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.3	27.5

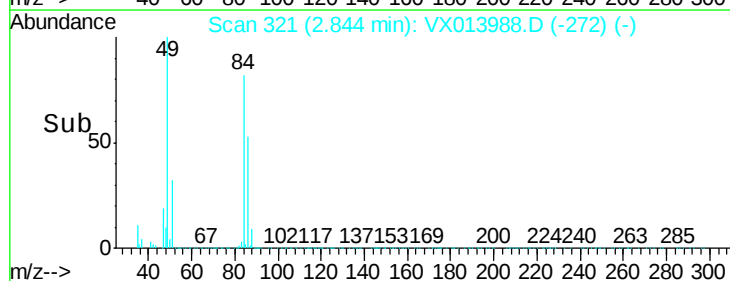
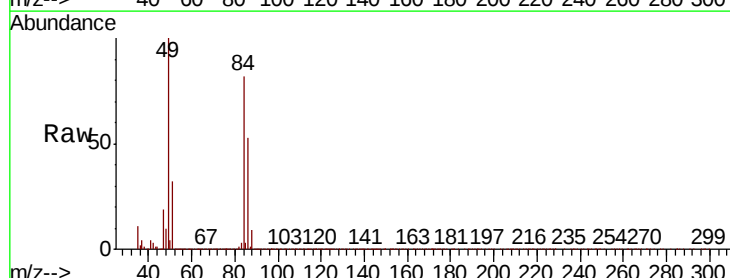
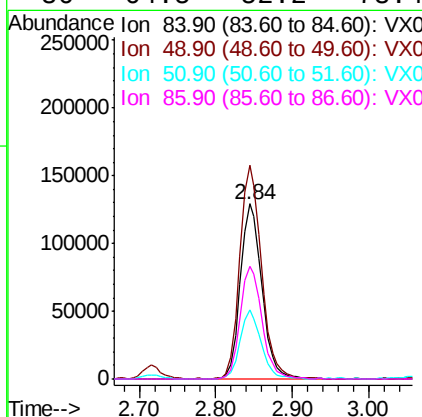
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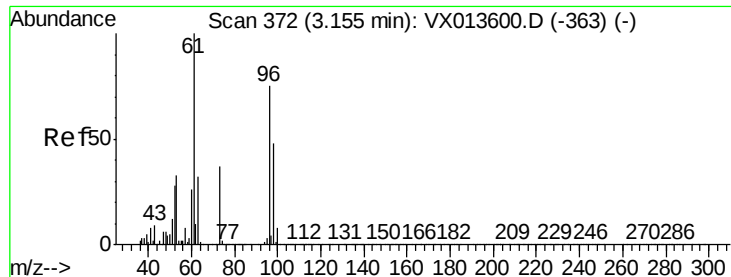
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#20
Methylene Chloride
Concen: 47.458 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.8	99.7	149.5
51	39.4	29.9	44.9
86	64.5	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 45.511 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

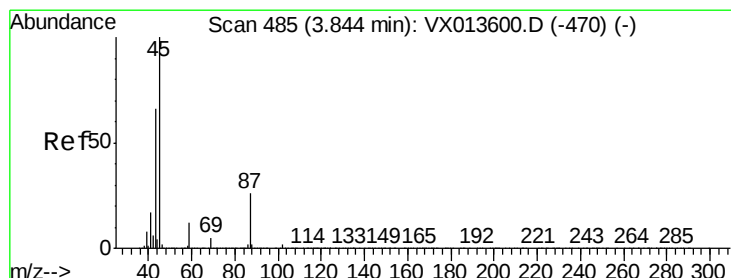
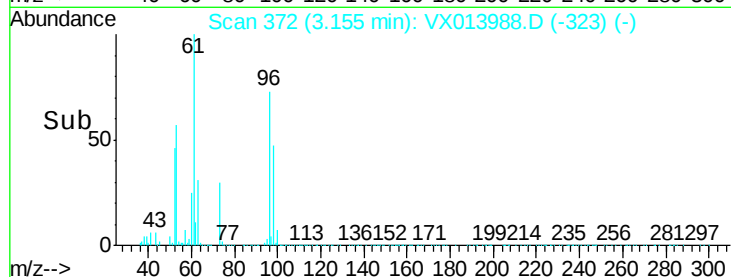
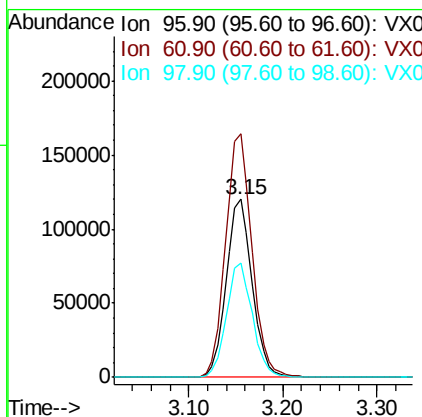
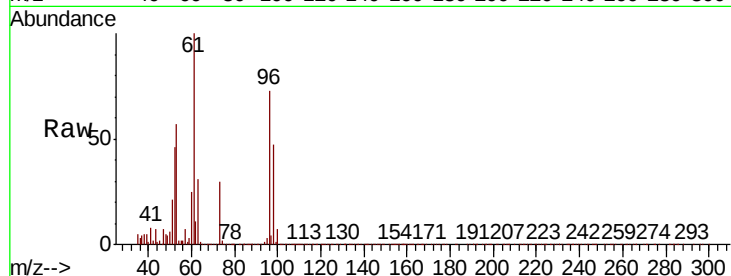
ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:	96	Resp:	228886
Ion Ratio	Lower	Upper	
96	100		
61	136.8	107.2	160.8
98	64.1	51.4	77.0

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#22

Diisopropyl ether

Concen: 51.321 ug/l

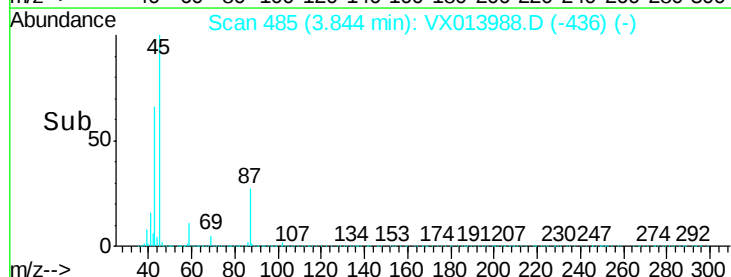
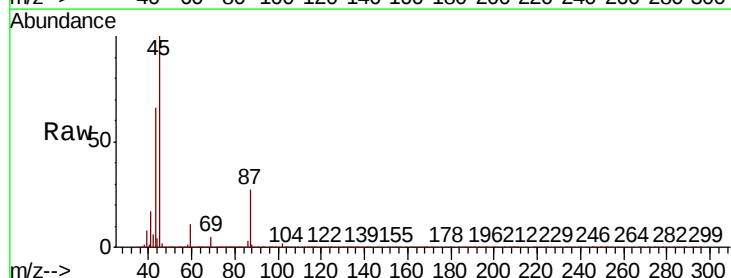
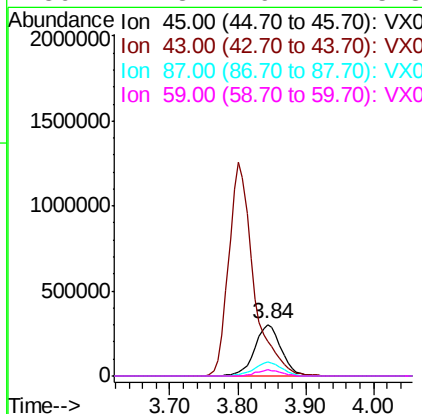
RT: 3.84 min Scan# 485

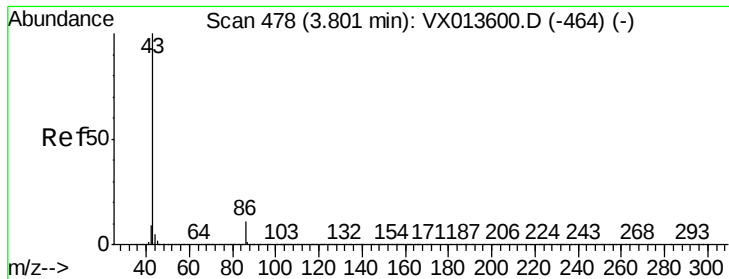
Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion:	45	Resp:	827903
Ion Ratio	Lower	Upper	
45	100		
43	65.7	52.6	79.0
87	27.4	21.1	31.7
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 236.929 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

Tot Ion: 43 Resp: 3179615

Ion Ratio Lower Upper

43 100

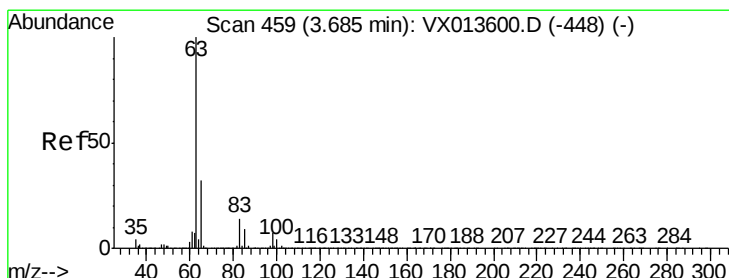
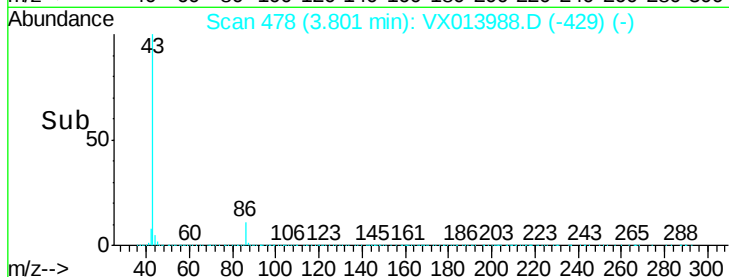
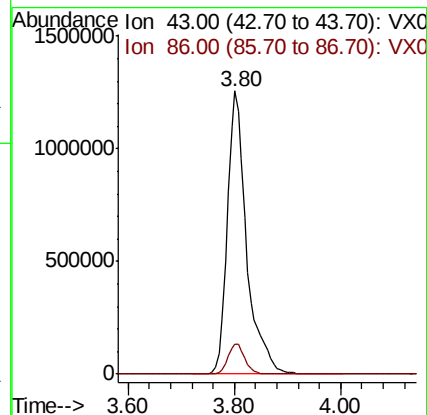
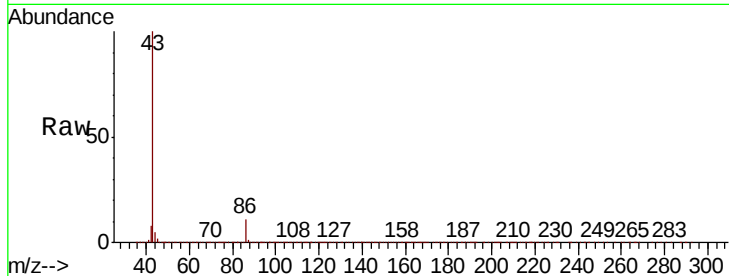
86 10.6 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 62.236 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

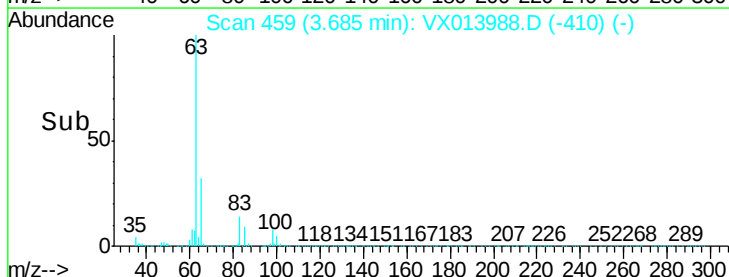
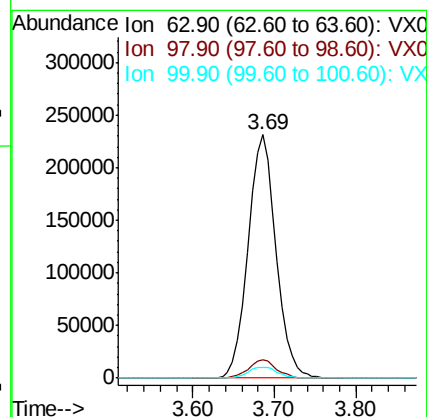
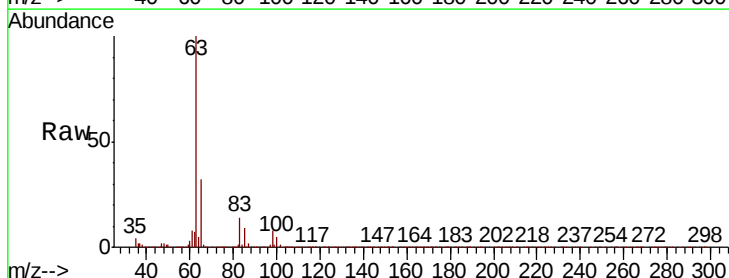
Tgt Ion: 63 Resp: 548845

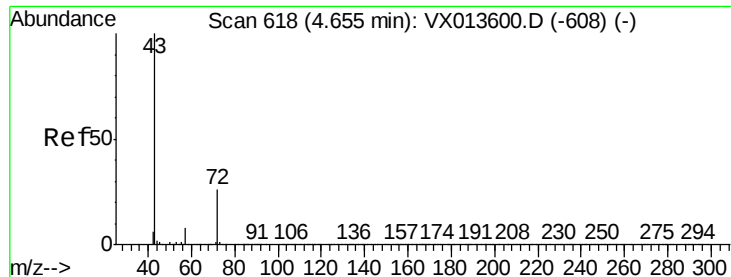
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.4

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 232.916 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

Tot Ion: 43 Resp: 962339

Ion Ratio Lower Upper

43 100

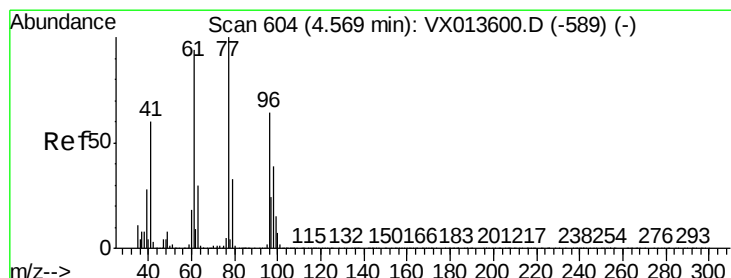
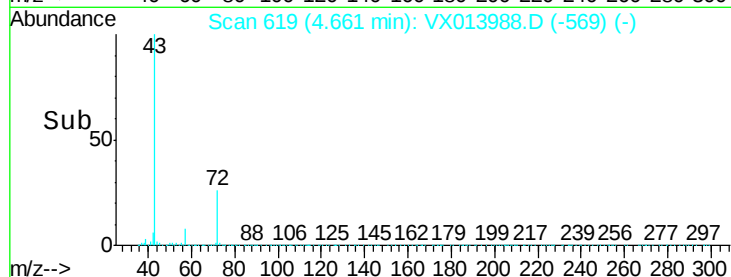
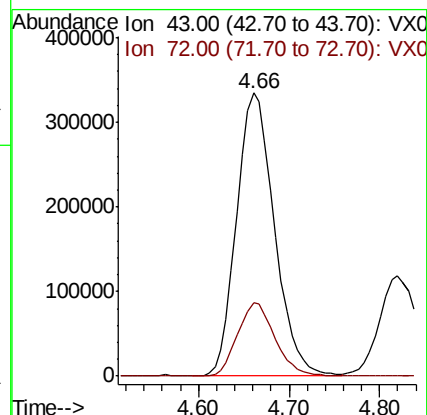
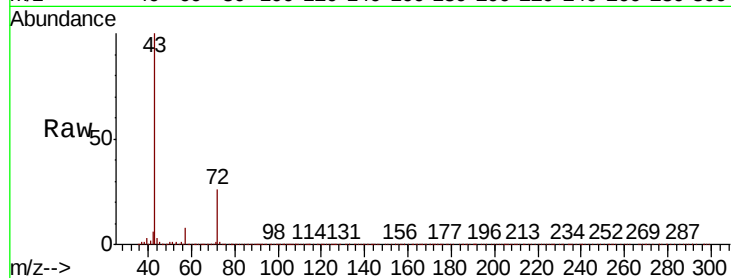
72 25.8 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 42.721 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013988.D

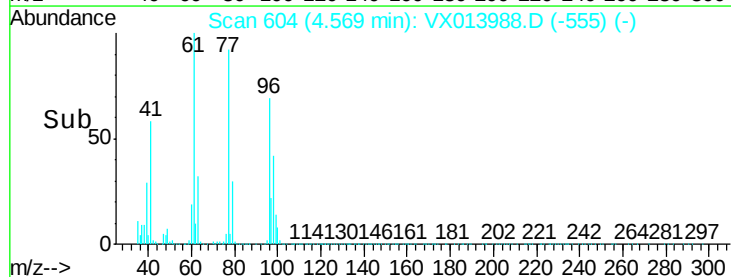
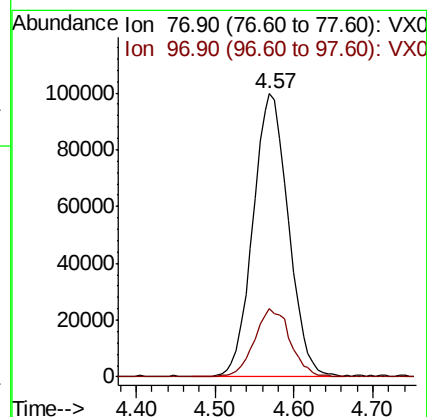
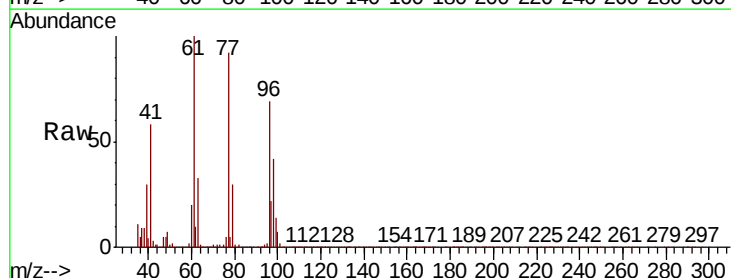
Acq: 12 Dec 2019 20:15

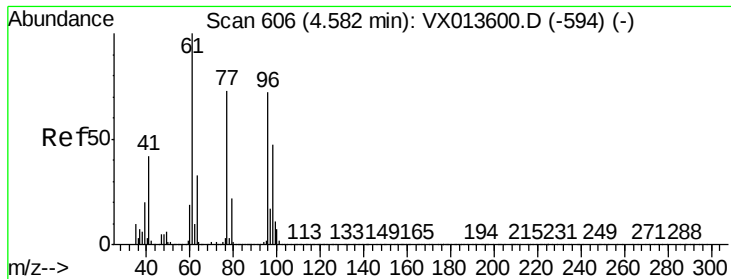
Tgt Ion: 77 Resp: 311711

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.1





#27

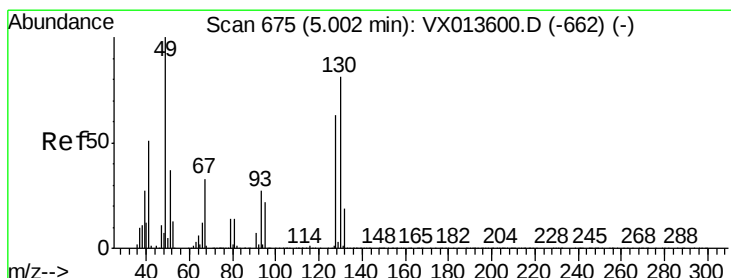
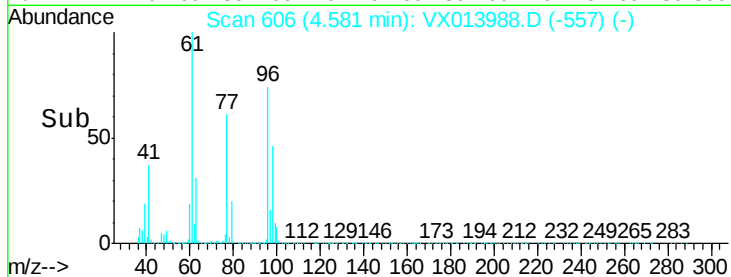
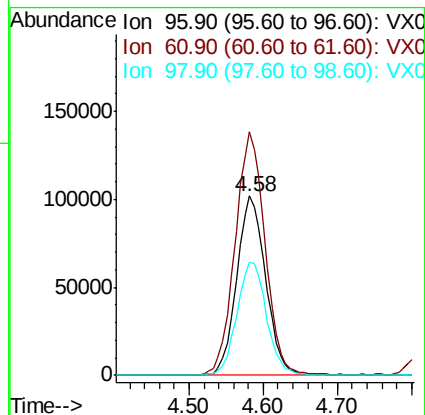
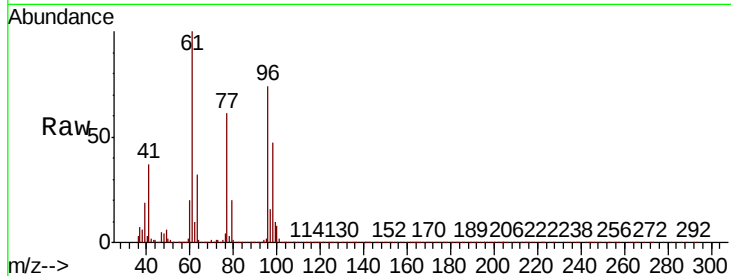
cis-1,2-Dichloroethene
Concen: 48.082 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	277699		
61	140.2	0.0	286.4	
98	64.4	0.0	127.4	

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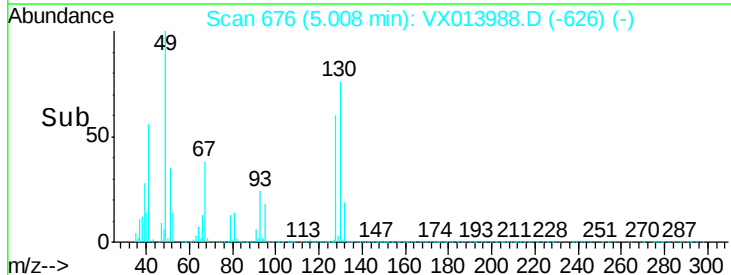
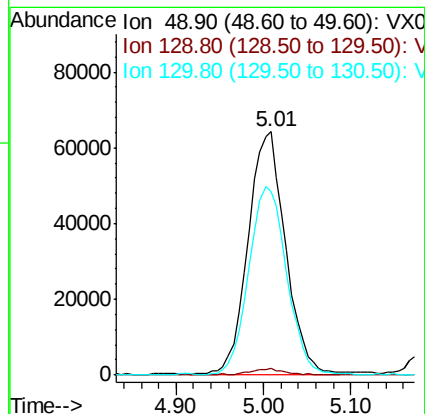
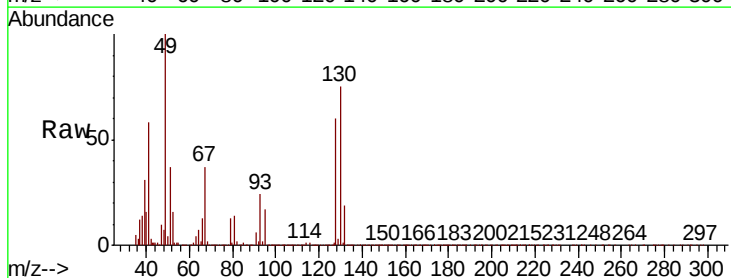
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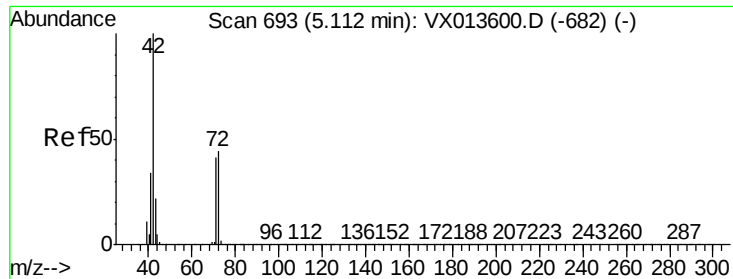


#28

Bromochloromethane
Concen: 54.298 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	189225		
129	2.7	0.0	5.0	
130	79.0	65.4	98.0	





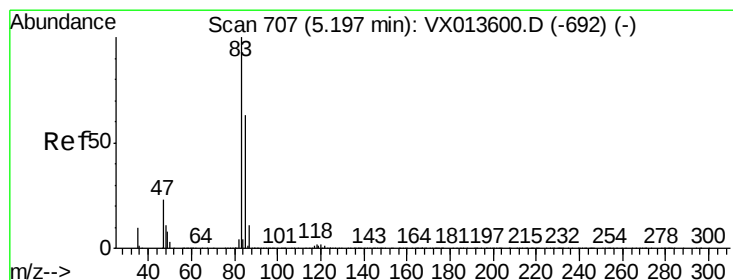
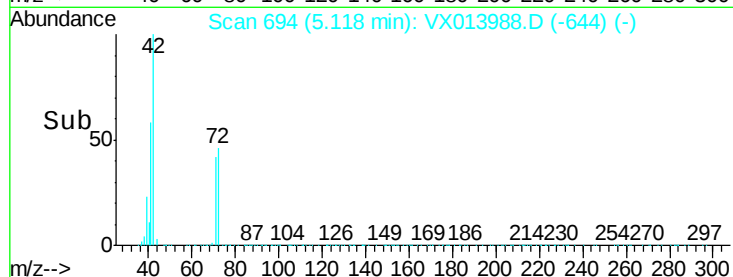
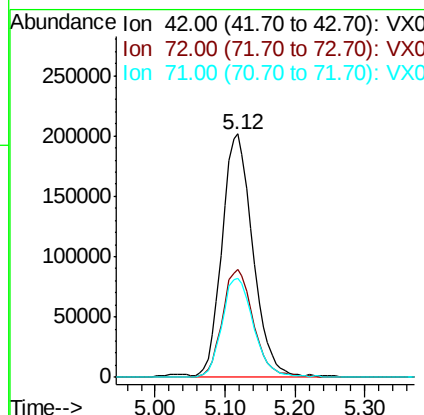
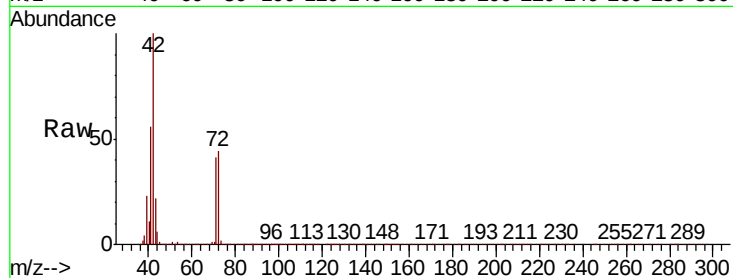
#29
Tetrahydrofuran
Concen: 240.861 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.3	54.5
71	41.9	33.2	49.8

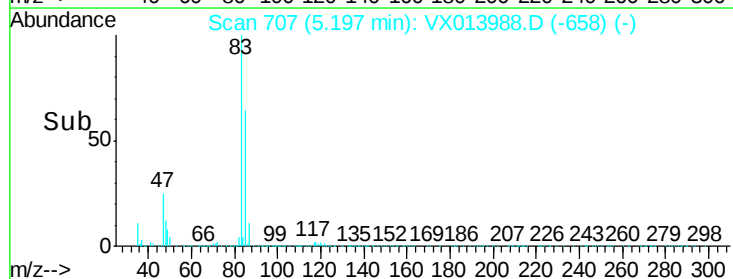
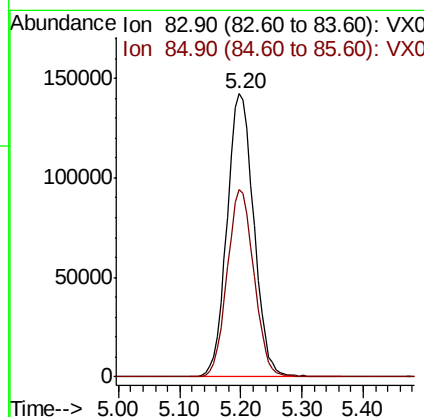
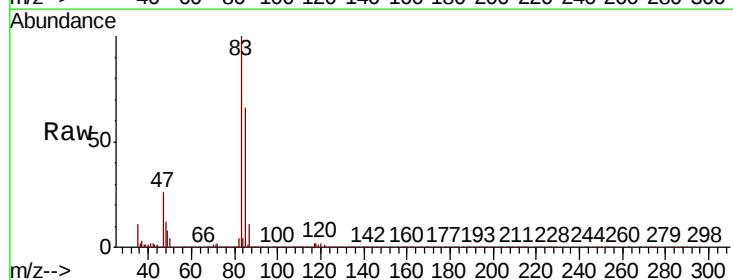
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#30
Chloroform
Concen: 47.803 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.2	75.4





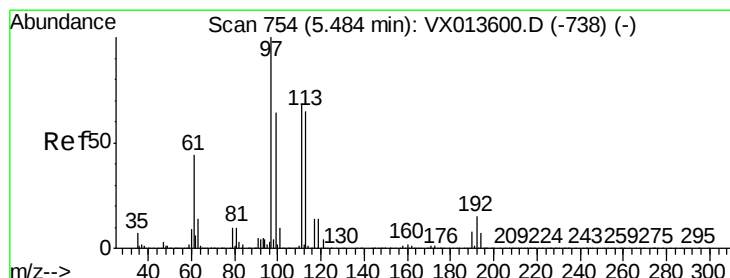
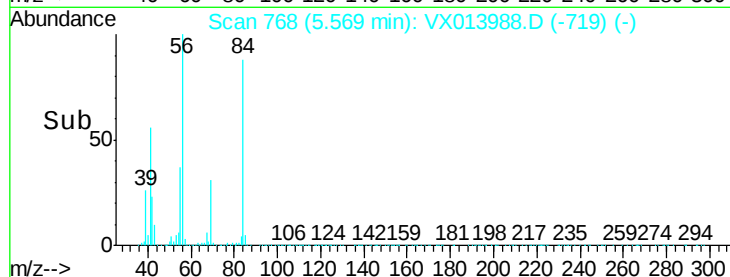
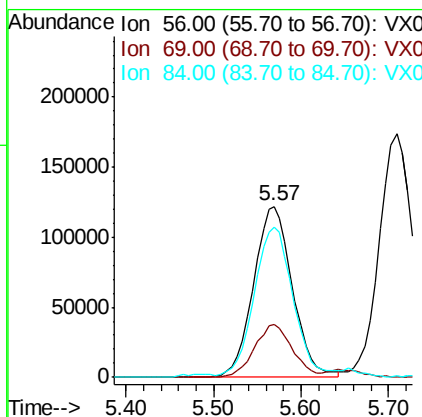
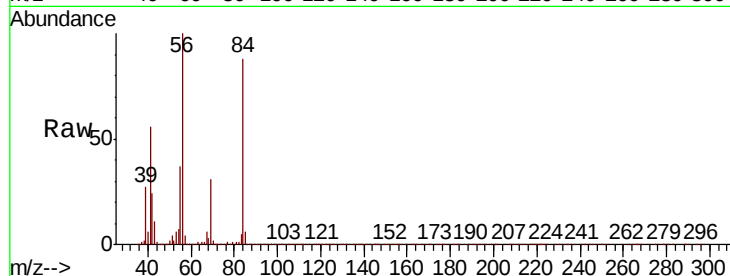
#31
Cyclohexane
Concen: 45.162 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	36.8
84	86.7	70.0	105.0

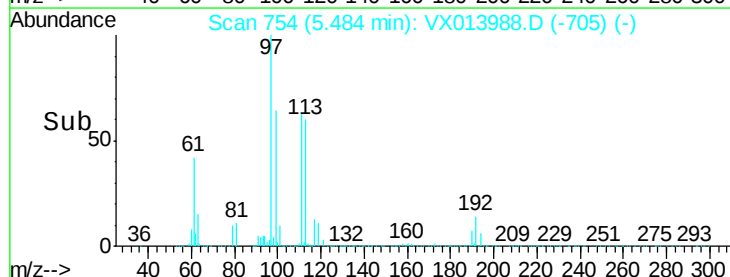
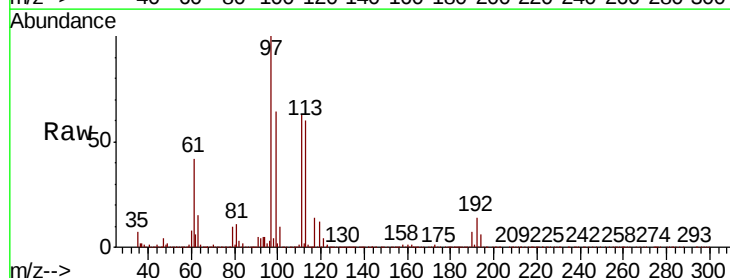
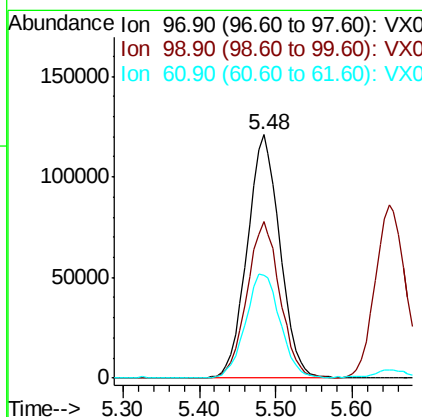
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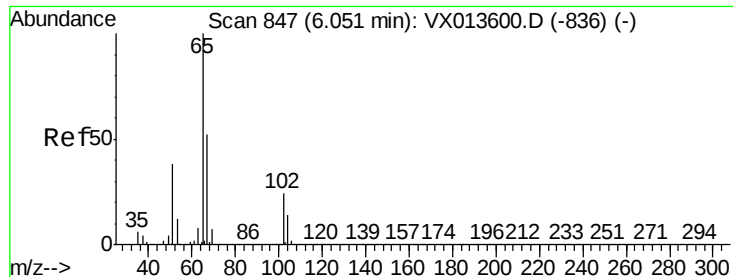
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#32
1,1,1-Trichloroethane
Concen: 48.011 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	44.8	36.1	54.1





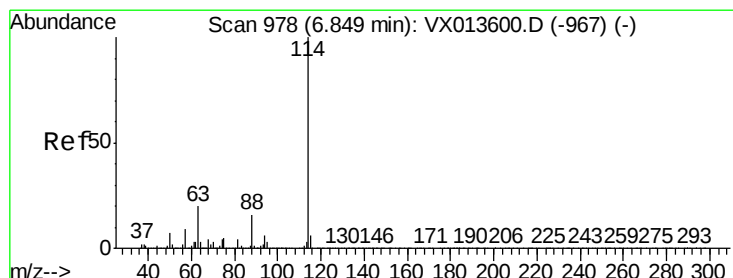
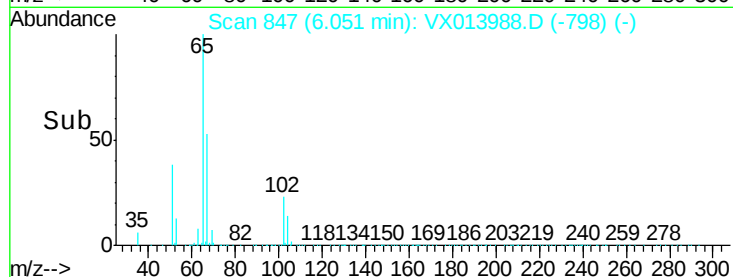
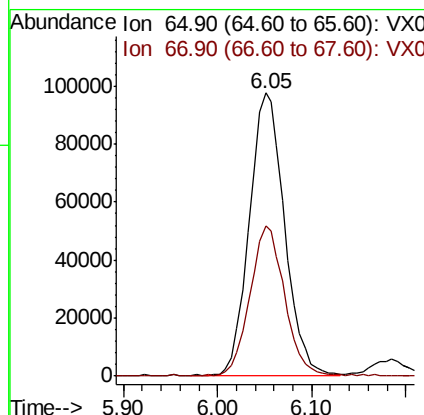
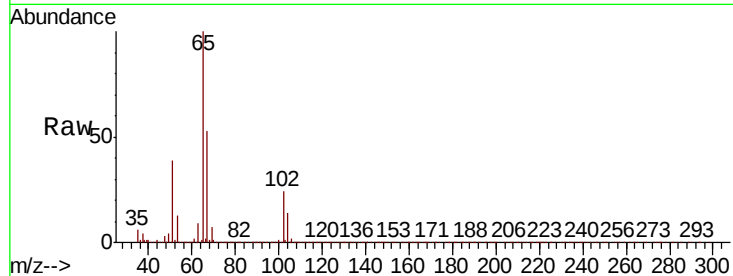
#33
 1,2-Dichloroethane-d4
 Concen: 45.602 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4

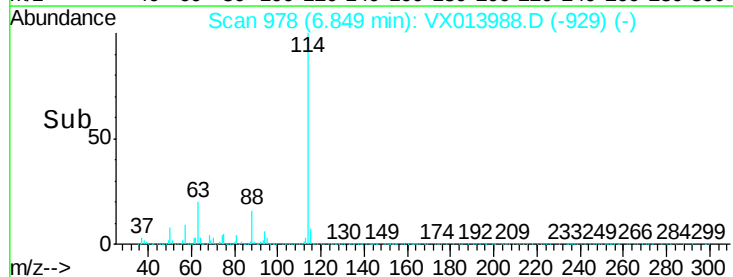
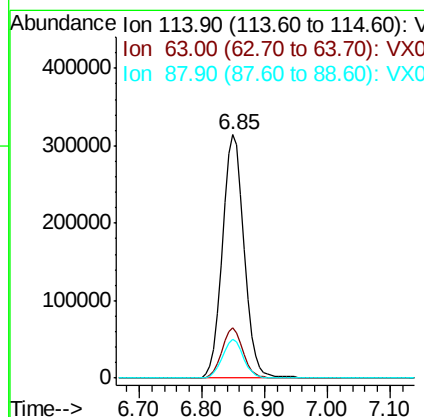
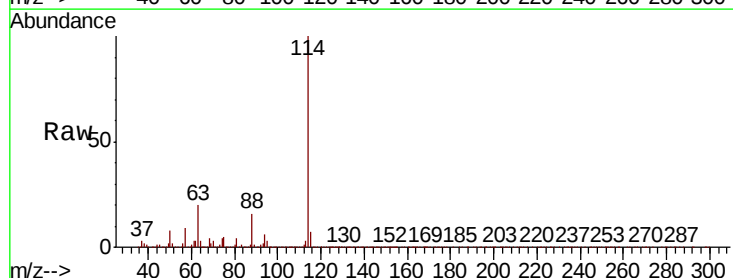
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.6
88	15.7	0.0	31.4





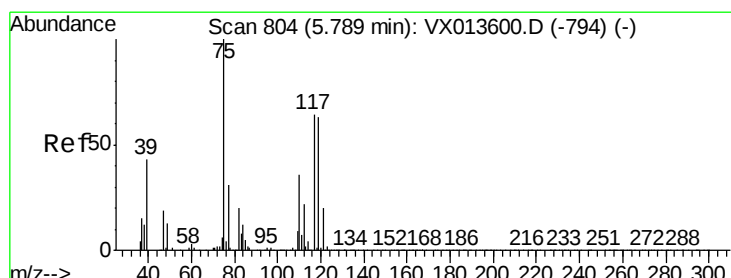
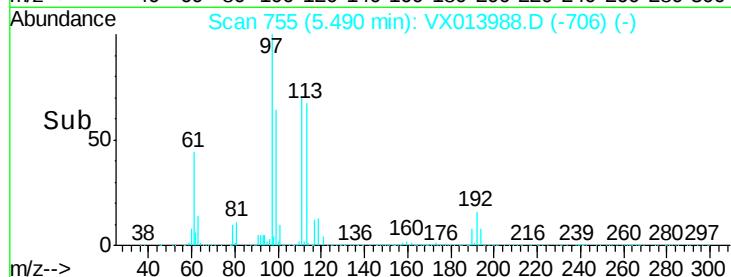
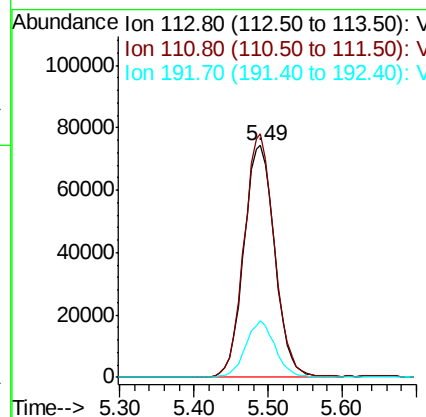
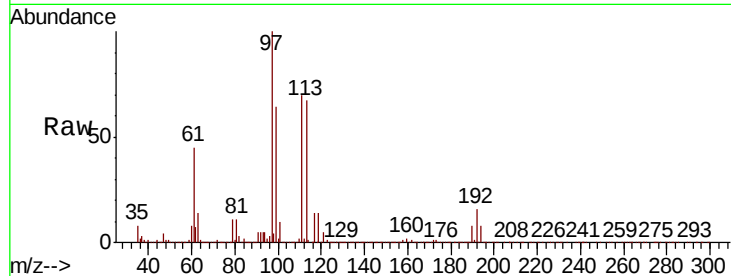
#35
Dibromofluoromethane
Concen: 46.384 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	216203		
111	102.2	83.6	125.4	
192	23.2	19.2	28.8	

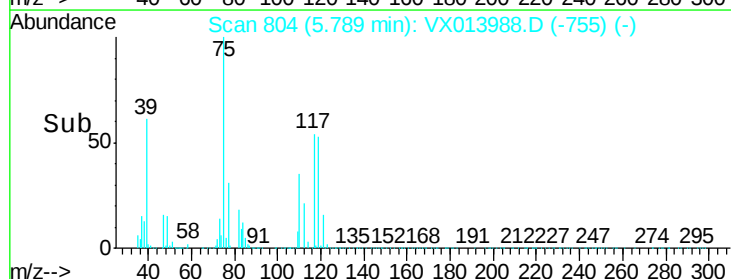
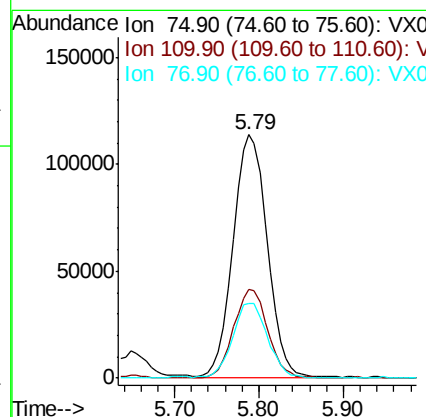
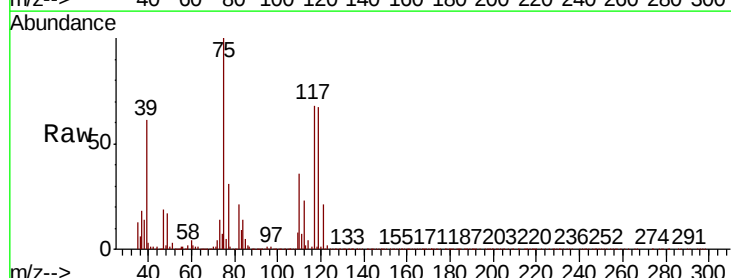
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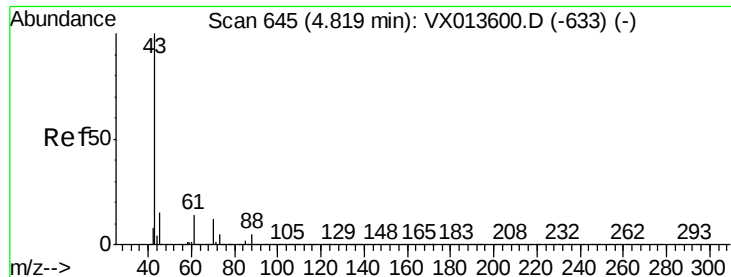
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#36
1,1-Dichloropropene
Concen: 45.470 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	311207		
110	36.8	18.1	54.1	
77	31.1	24.5	36.7	





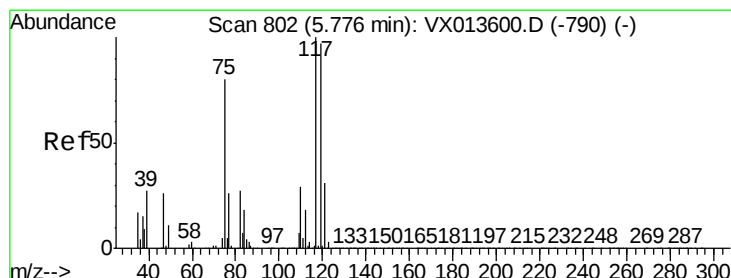
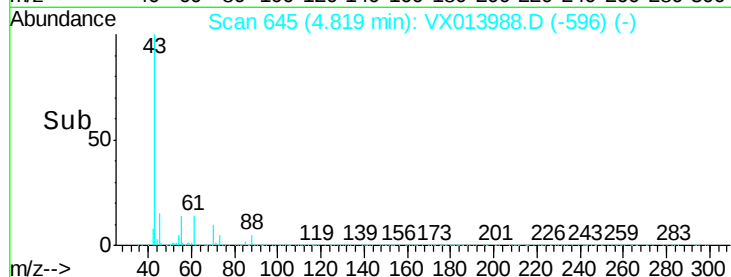
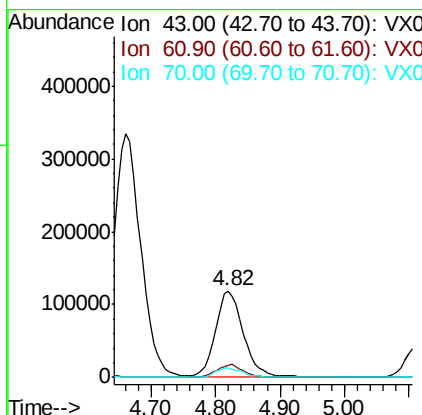
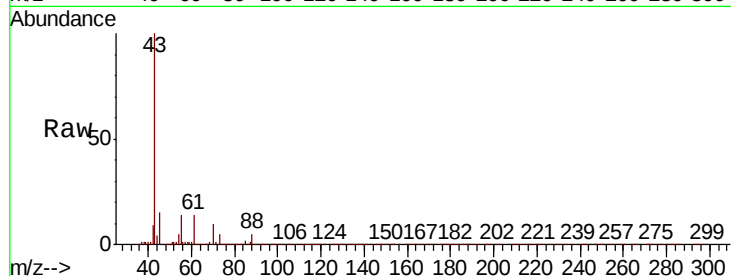
#37
Ethyl Acetate
Concen: 46.538 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.8	8.6	12.8

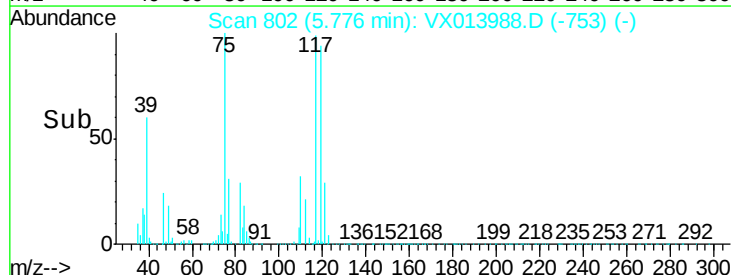
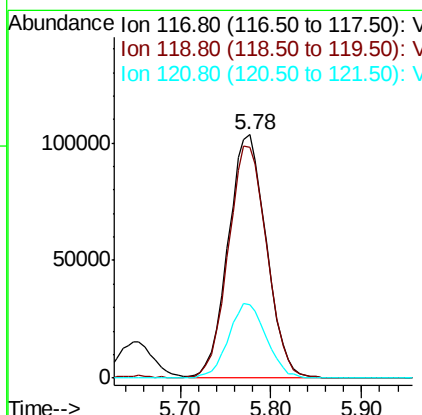
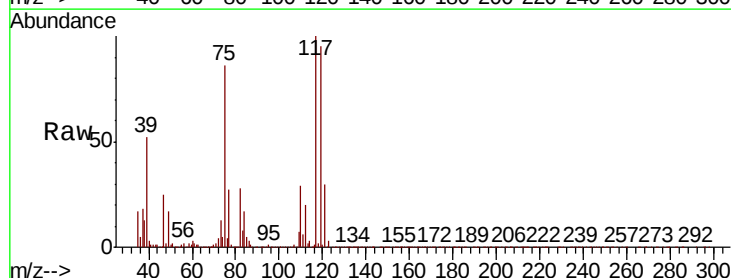
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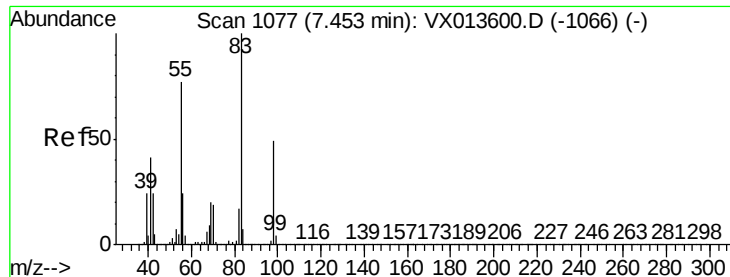
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#38
Carbon Tetrachloride
Concen: 47.565 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.5	116.3
121	30.2	25.0	37.6





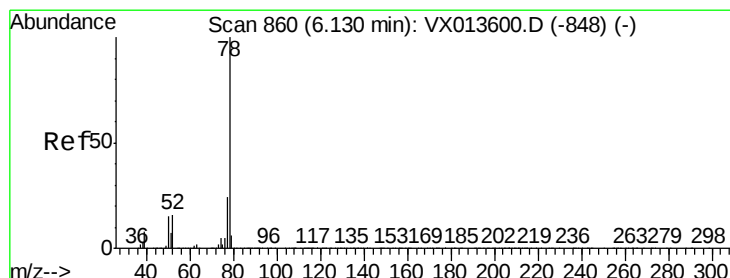
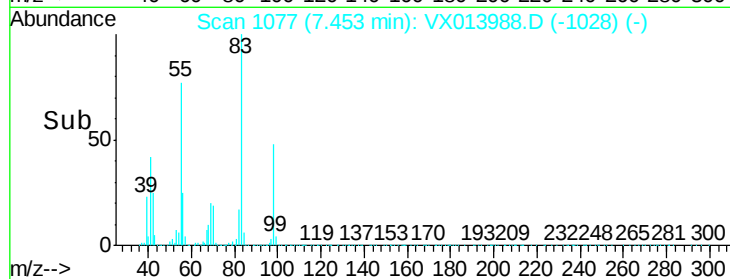
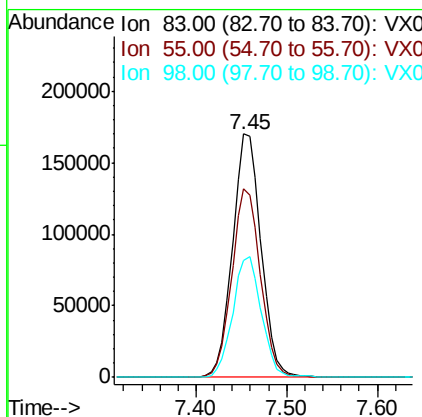
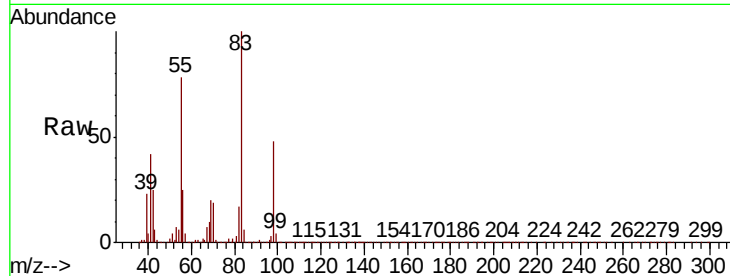
#39
Methvlcvclohexane
Concen: 43.808 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.9	92.9
98	48.0	39.4	59.0

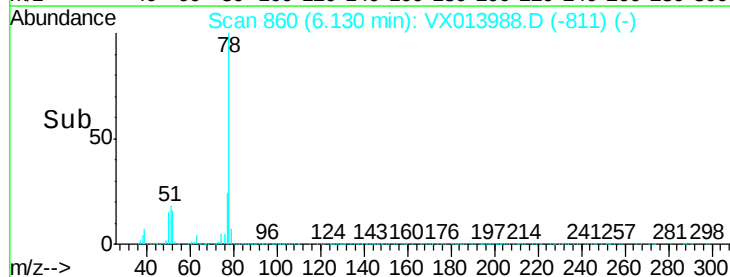
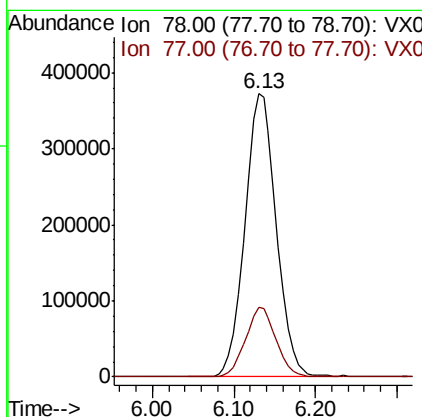
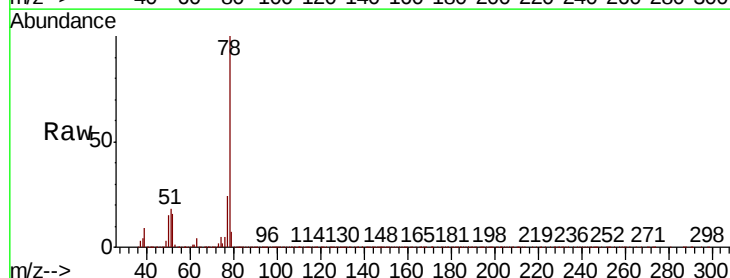
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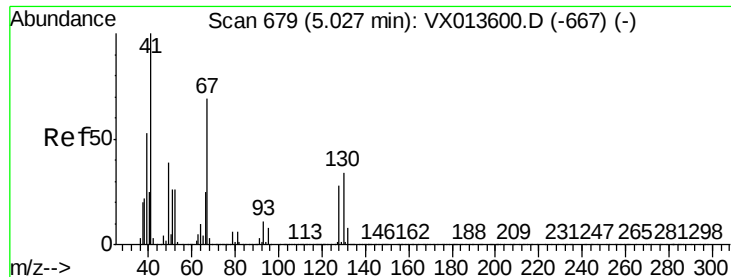
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#40
Benzene
Concen: 47.675 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4





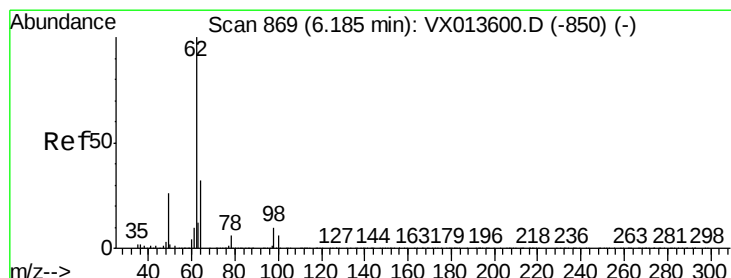
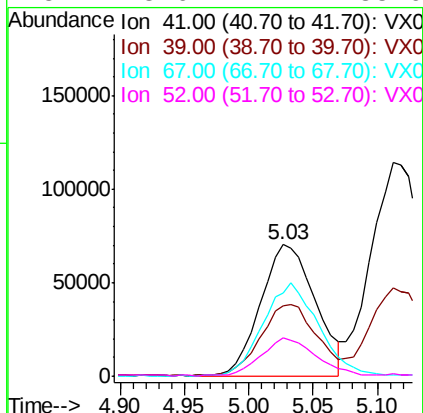
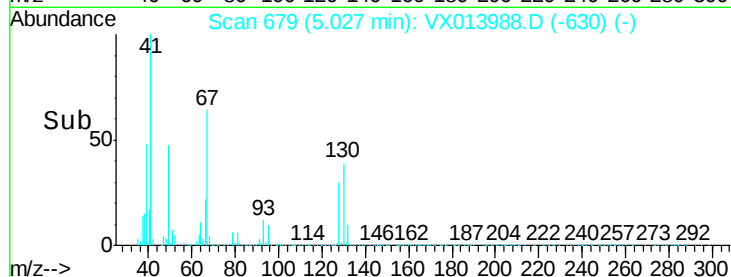
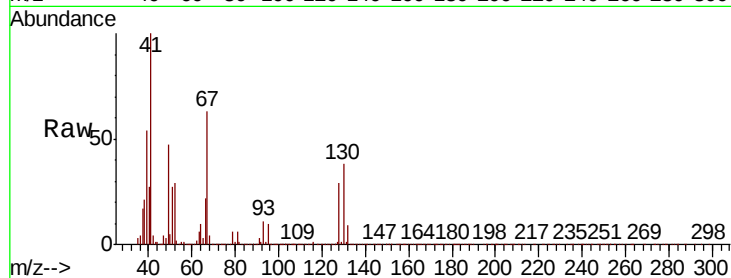
#41
Methacrylonitrile
Concen: 48.964 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	42.9	64.3
67	72.4	57.4	86.0
52	28.6	22.4	33.6

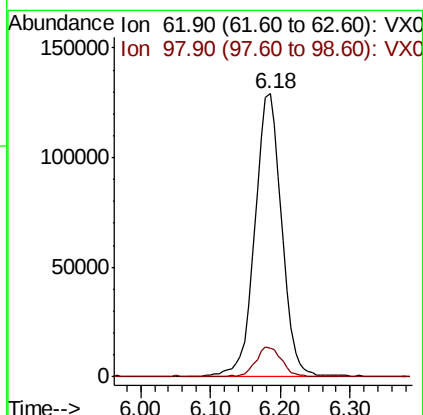
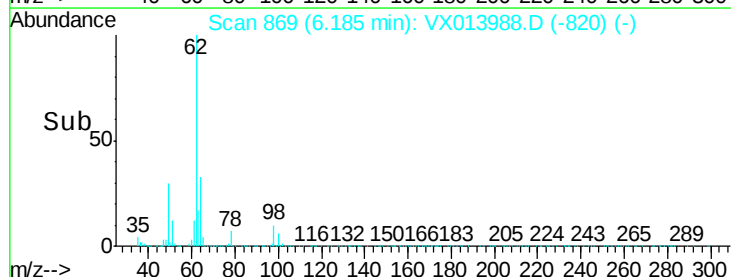
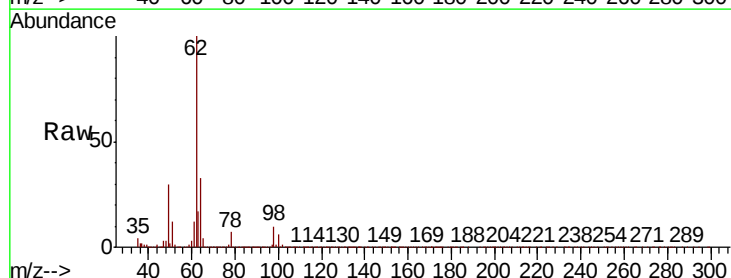
Manual Integrations
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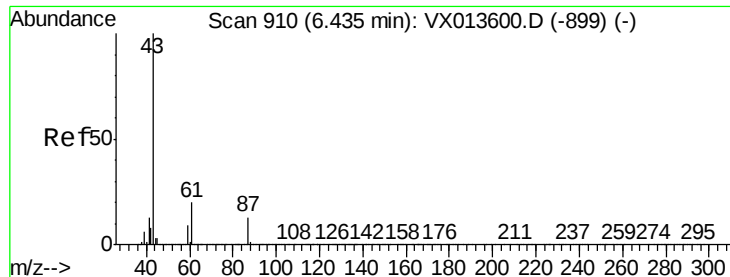
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#42
1,2-Dichloroethane
Concen: 48.515 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.8





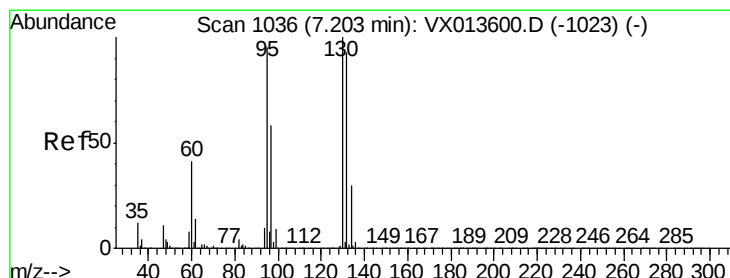
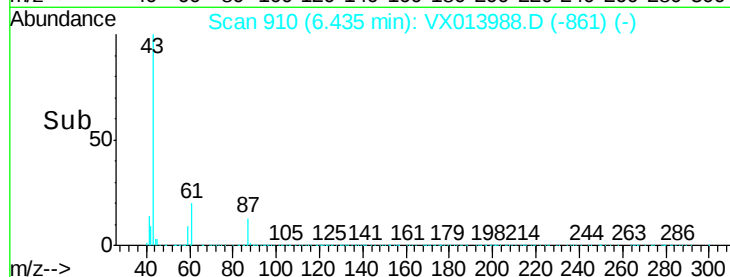
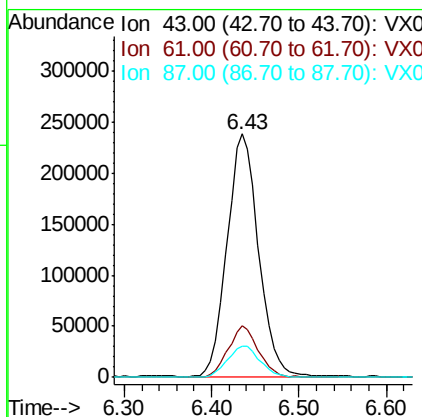
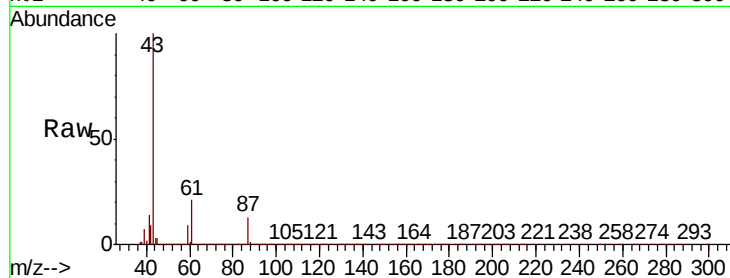
#43
Isopropyl Acetate
Concen: 47.060 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.3	24.5
87	13.2	10.8	16.2

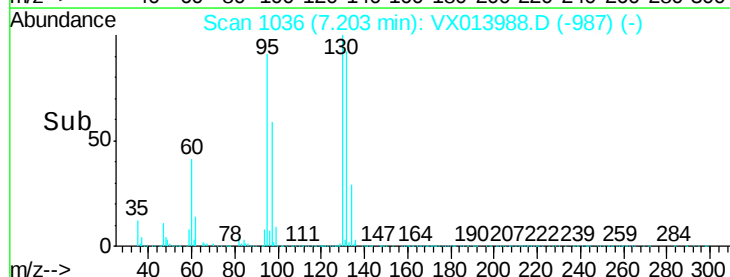
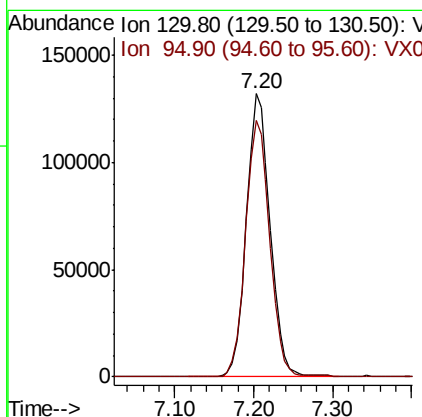
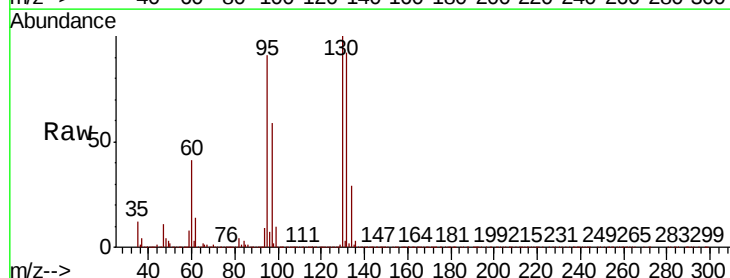
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#44
Trichloroethene
Concen: 48.305 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	190.8





#45

1,2-Dichloropropane

Concen: 50.583 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion: 63 Resp: 263812

Ion Ratio Lower Upper

63 100

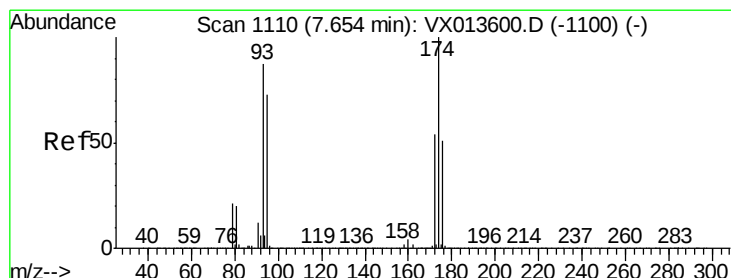
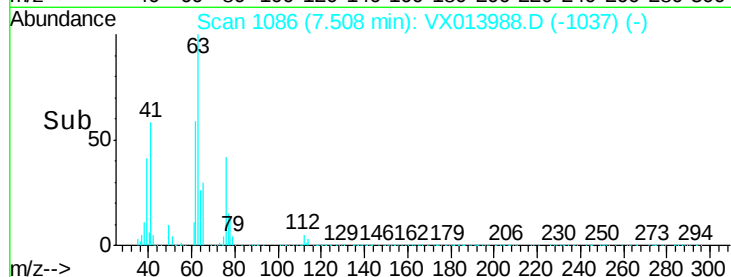
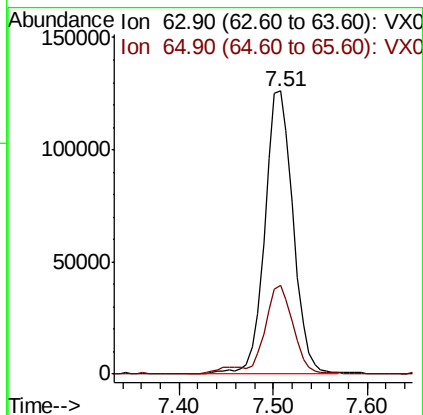
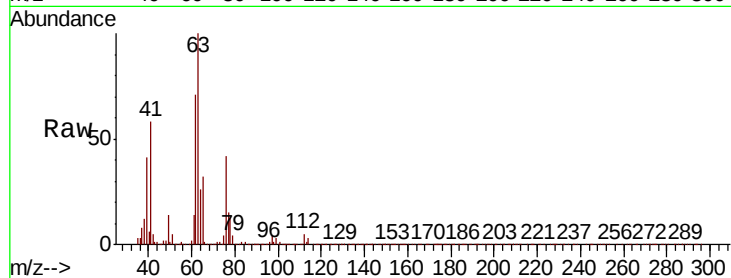
65 31.5 25.5 38.3

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#46

Dibromomethane

Concen: 46.544 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

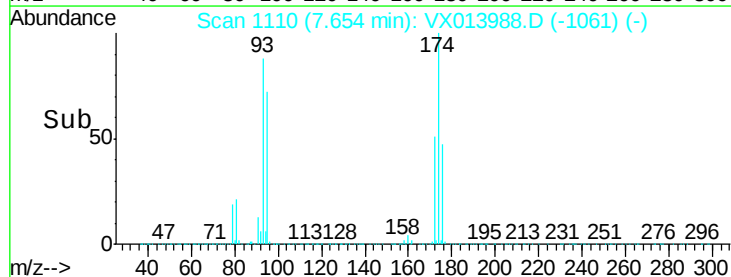
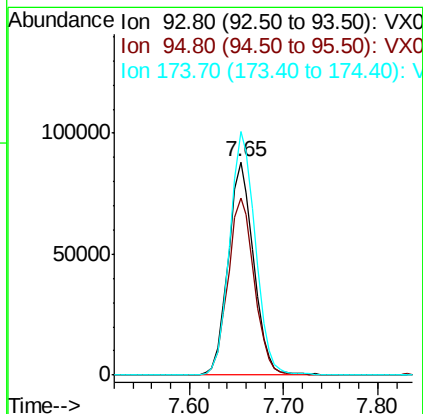
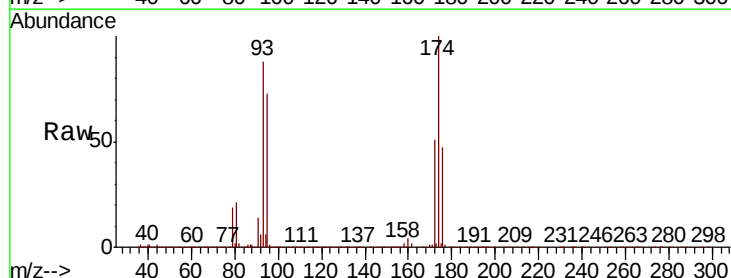
Tgt Ion: 93 Resp: 164866

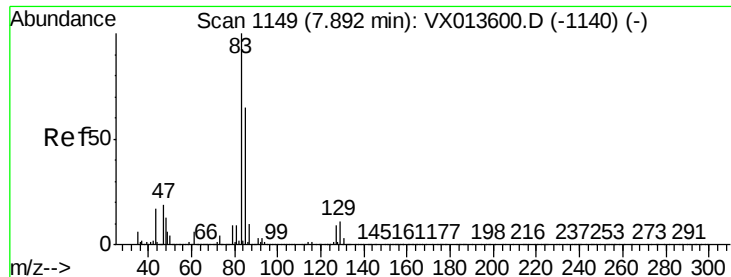
Ion Ratio Lower Upper

93 100

95 85.1 66.2 99.2

174 116.0 93.4 140.0





#47

Bromodichloromethane

Concen: 49.315 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

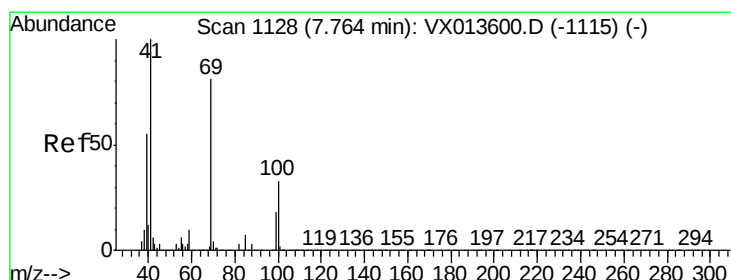
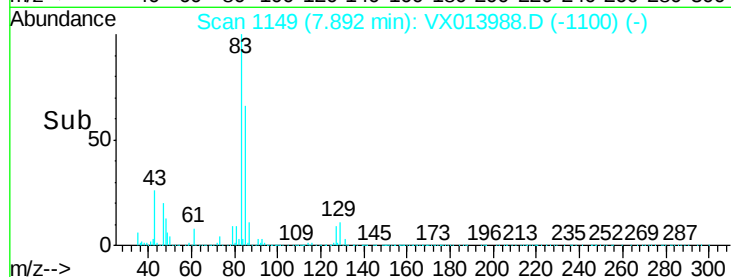
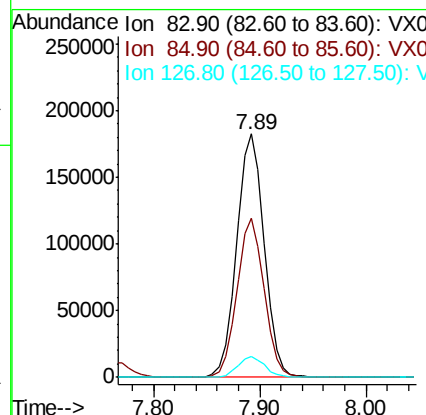
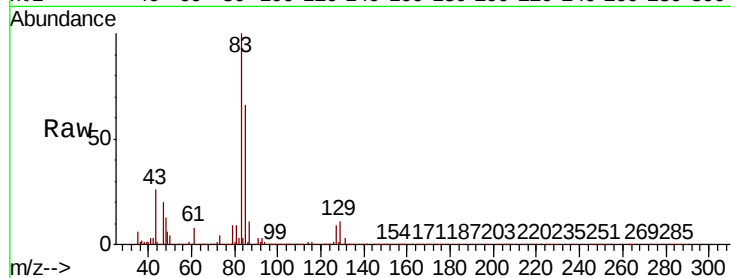
ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:	83	Resp:	330231
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.1	78.1
127	8.5	7.0	10.4

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#48

Methyl methacrylate

Concen: 49.824 ug/l

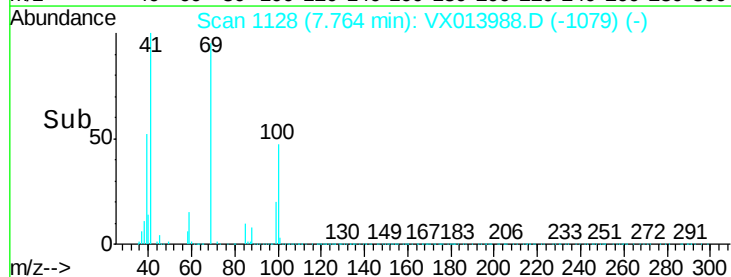
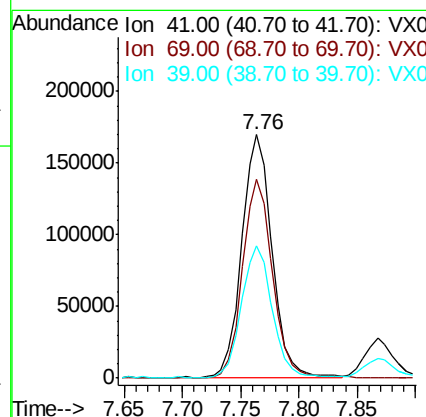
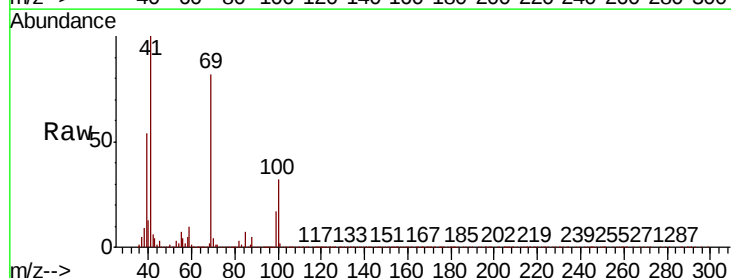
RT: 7.76 min Scan# 1128

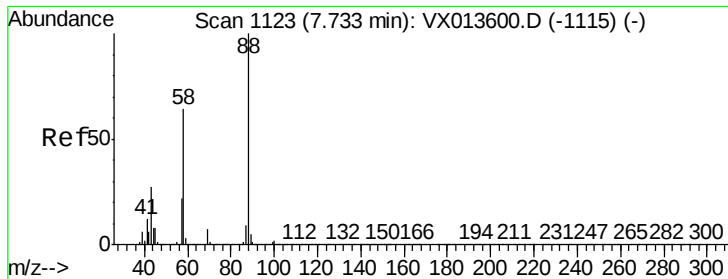
Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion:	41	Resp:	306011
Ion Ratio	Lower	Upper	
41	100		
69	81.4	64.7	97.1
39	55.0	43.8	65.6





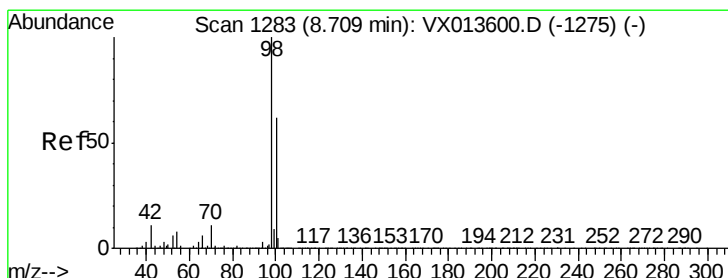
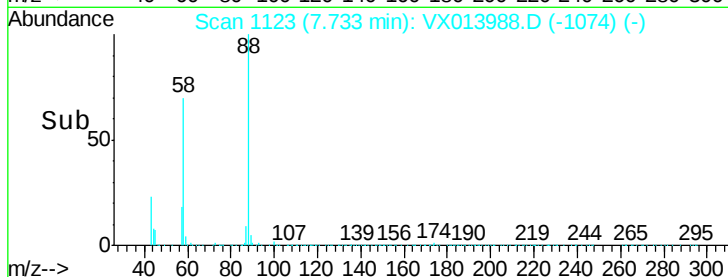
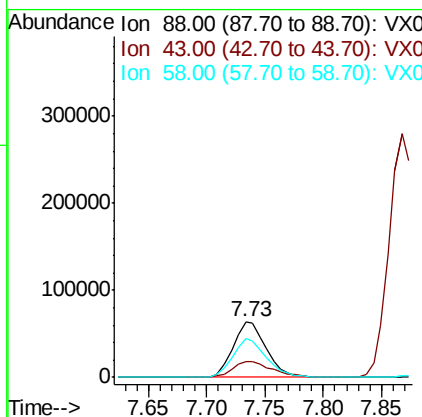
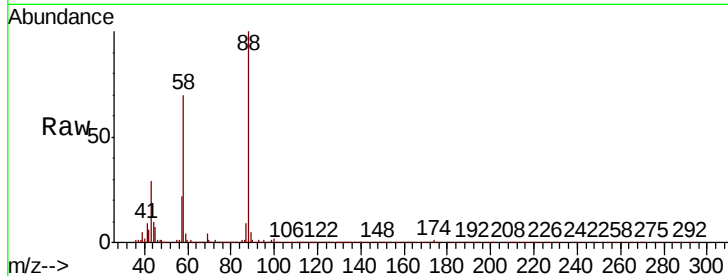
#49
1,4-Dioxane
Concen: 903.678 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	25.8	38.6
58	72.9	54.6	82.0

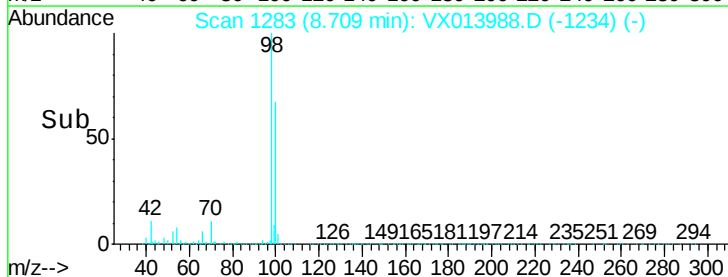
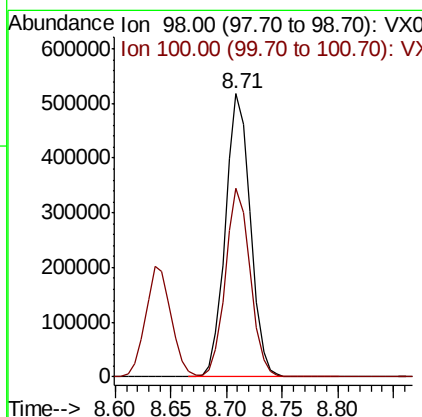
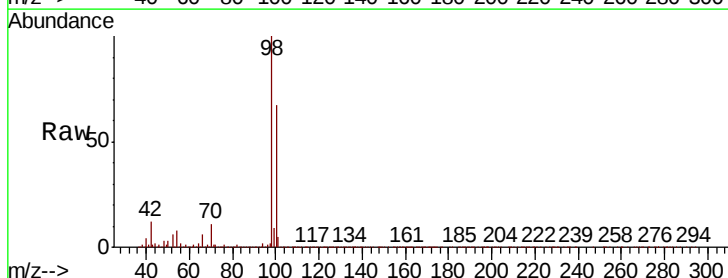
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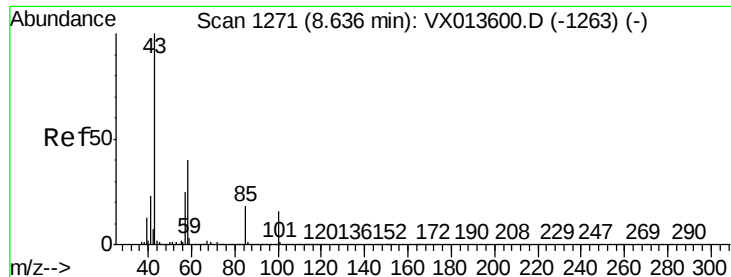
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#50
Toluene-d8
Concen: 44.179 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 254.917 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

Tot Ion: 43 Resp: 2026915

Ion Ratio Lower Upper

43 100

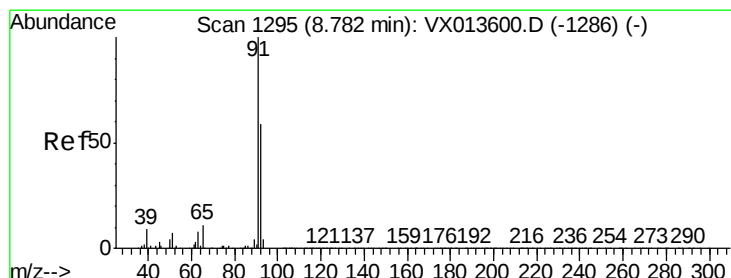
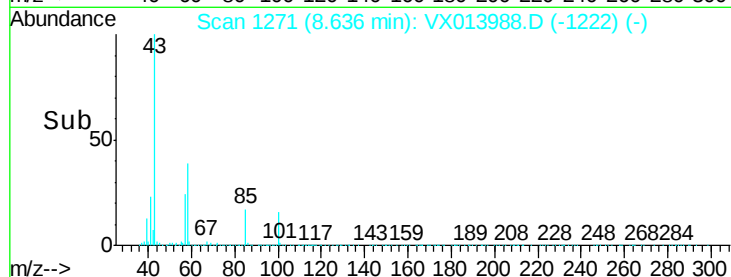
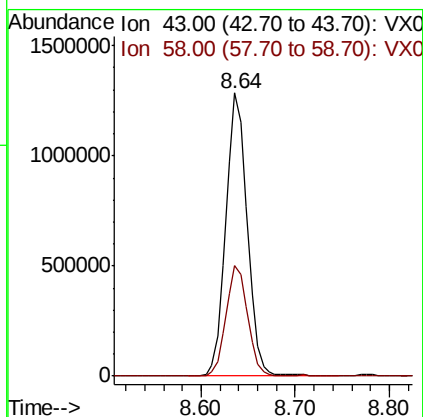
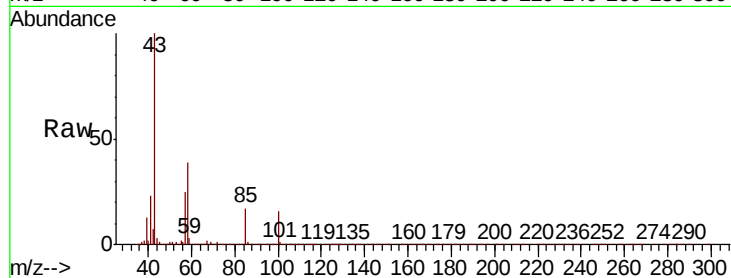
58 39.4 32.1 48.1

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#52

Toluene

Concen: 48.346 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013988.D

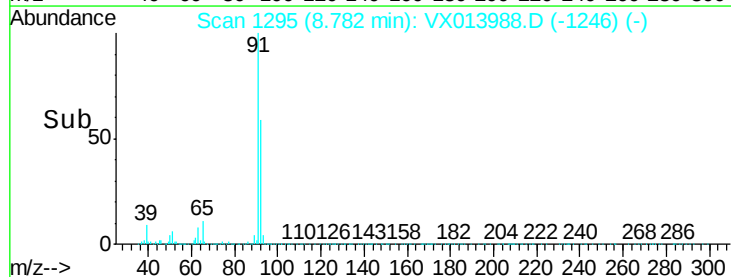
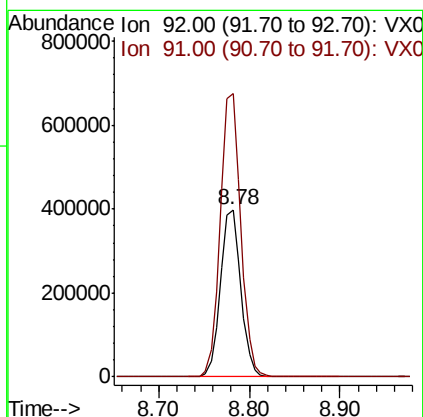
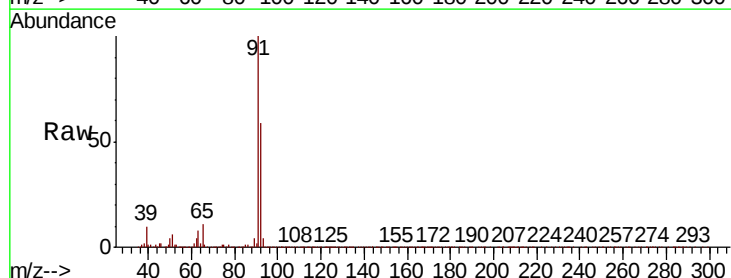
Acq: 12 Dec 2019 20:15

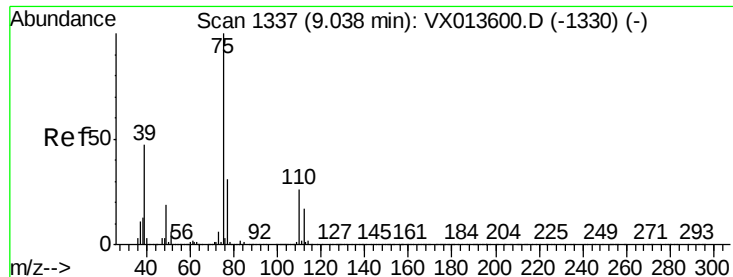
Tgt Ion: 92 Resp: 626072

Ion Ratio Lower Upper

92 100

91 170.8 136.2 204.2





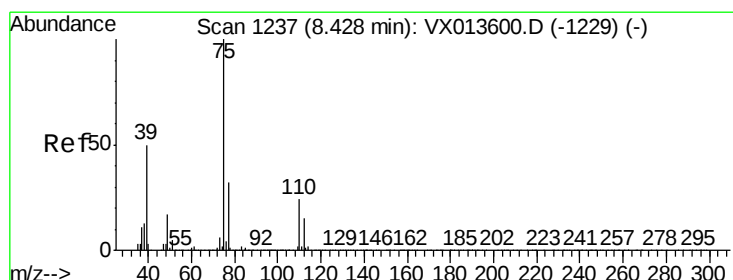
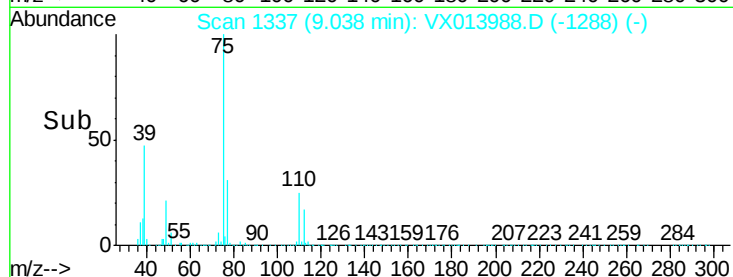
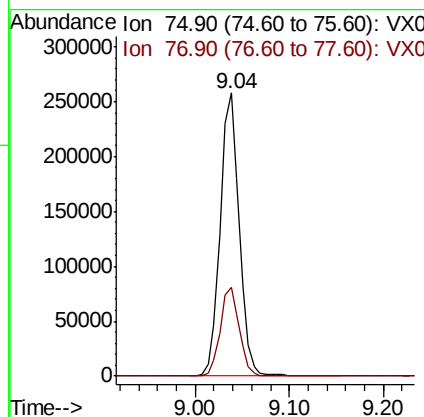
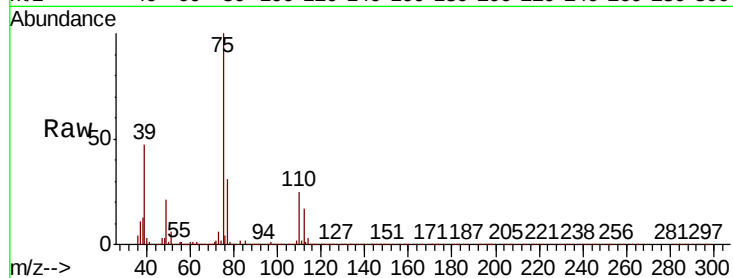
#53
t-1,3-Dichloropropene
Concen: 47.471 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6

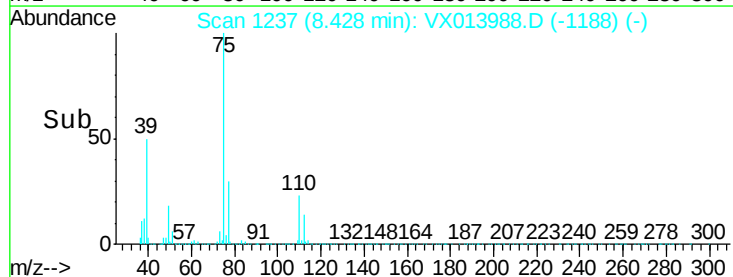
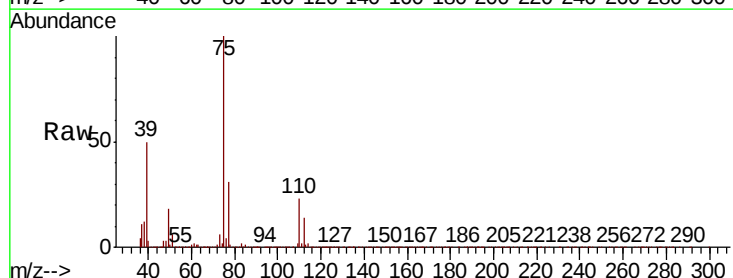
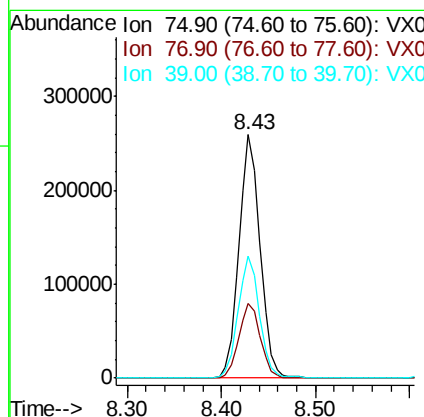
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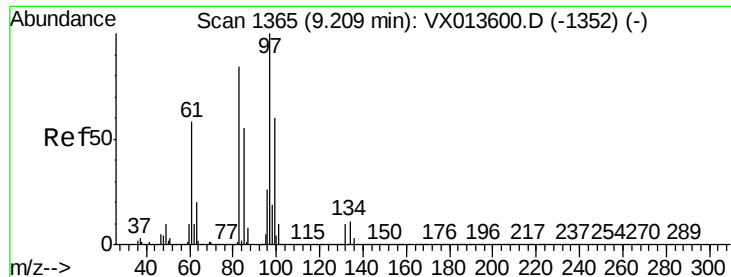
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#54
cis-1,3-Dichloropropene
Concen: 48.555 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.8	38.6
39	50.1	39.9	59.9





#55

1,1,2-Trichloroethane

Concen: 50.696 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

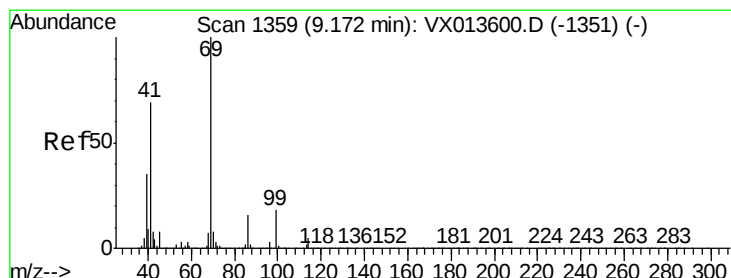
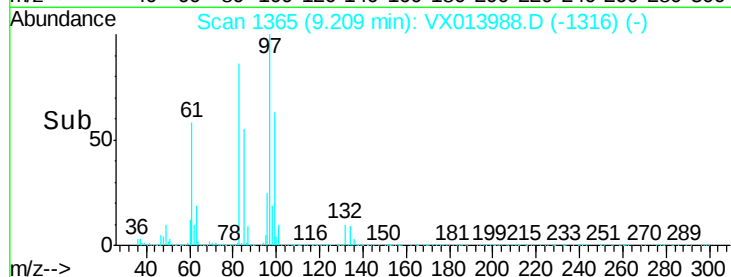
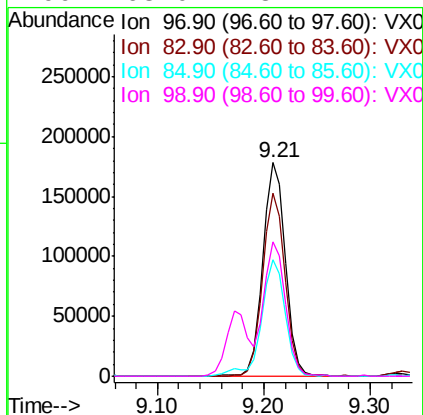
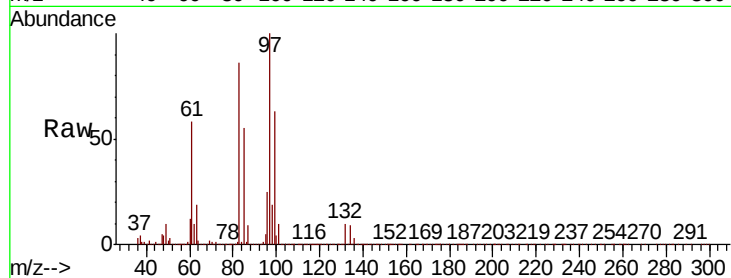
ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:	97	Resp:	264558
Ion Ratio	Lower	Upper	
97	100		
83	85.7	67.3	100.9
85	54.6	43.6	65.4
99	63.0	48.2	72.4

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#56

Ethyl methacrylate

Concen: 50.384 ug/l

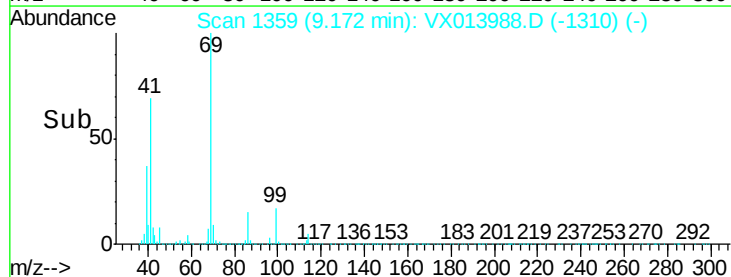
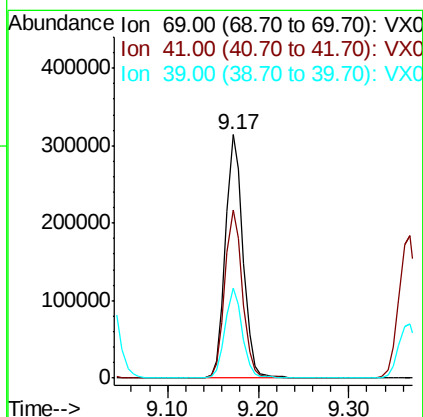
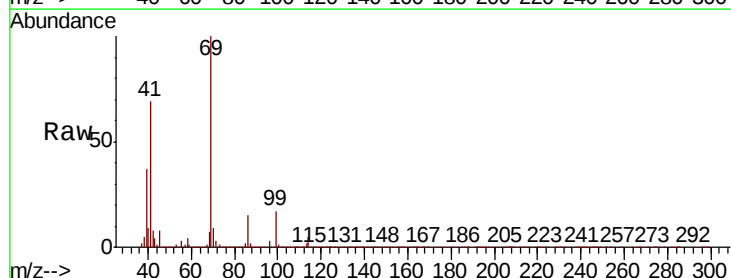
RT: 9.17 min Scan# 1359

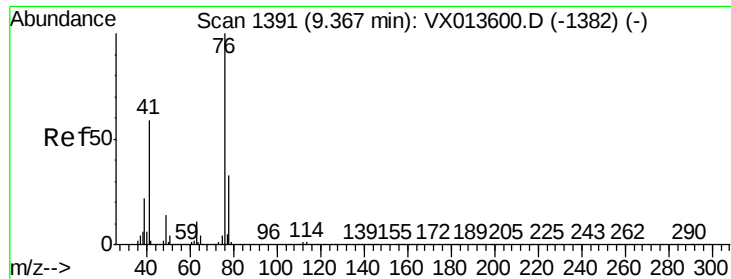
Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion:	69	Resp:	422728
Ion Ratio	Lower	Upper	
69	100		
41	69.0	55.0	82.4
39	36.3	28.7	43.1





#57

1,3-Dichloropropane

Concen: 49.358 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion: 76 Resp: 443980

Ion Ratio Lower Upper

76 100

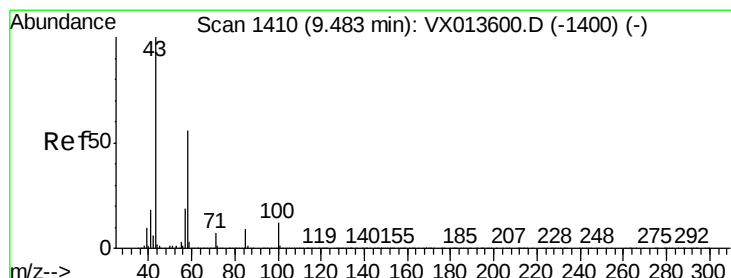
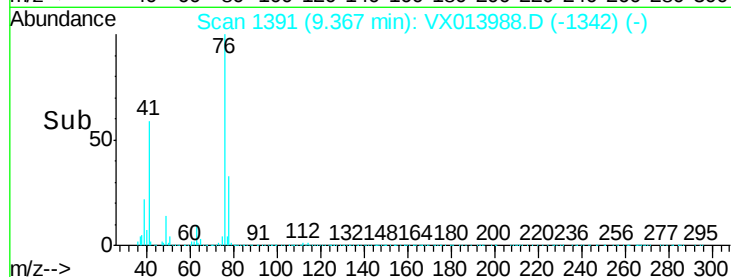
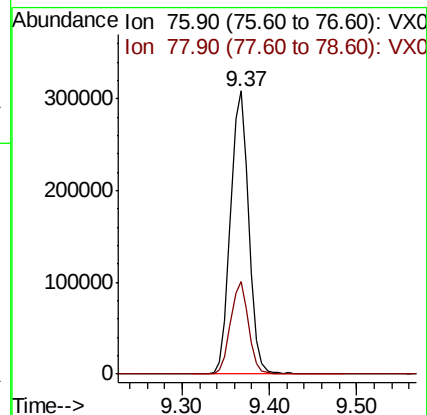
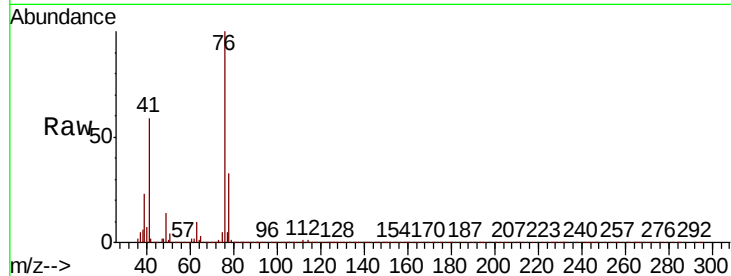
78 32.3 26.0 39.0

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#59

2-Hexanone

Concen: 247.821 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.01 min

Lab File: VX013988.D

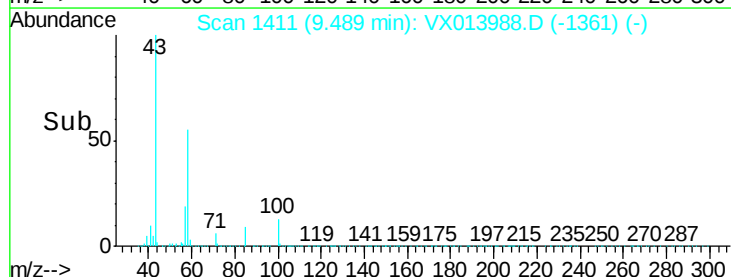
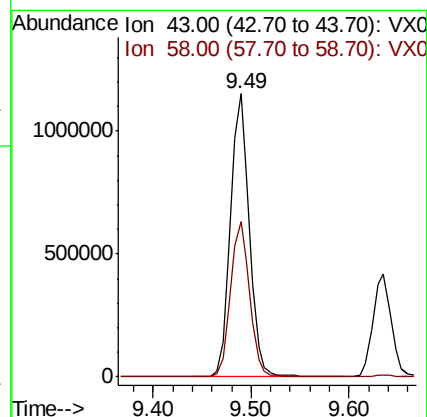
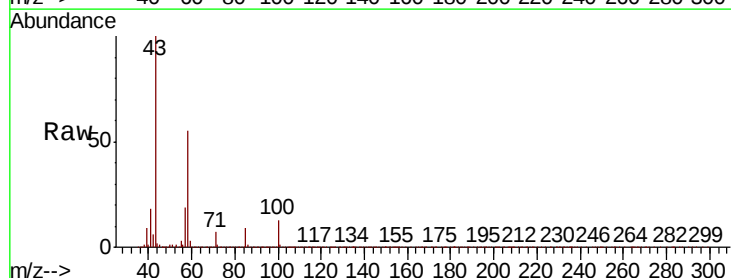
Acq: 12 Dec 2019 20:15

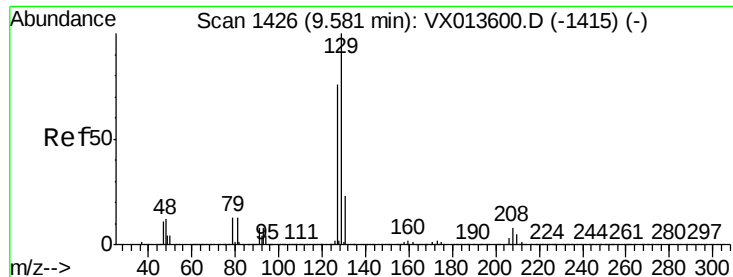
Tgt Ion: 43 Resp: 1536837

Ion Ratio Lower Upper

43 100

58 55.5 28.1 84.4





#60

Dibromochloromethane

Concen: 50.455 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:129 Resp: 273252

Ion Ratio Lower Upper

129 100

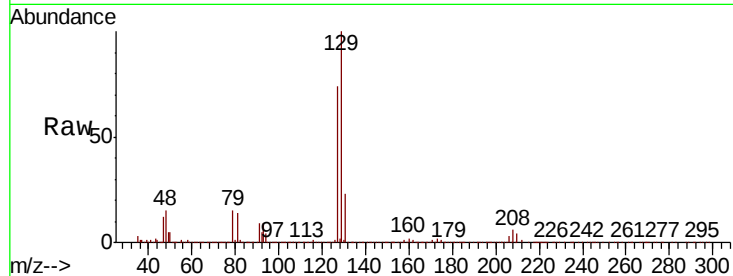
127 76.4 38.5 115.5

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

200000

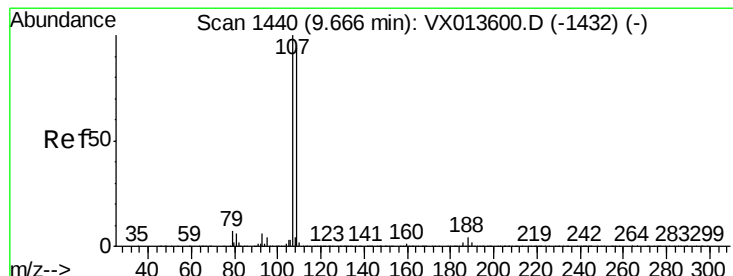
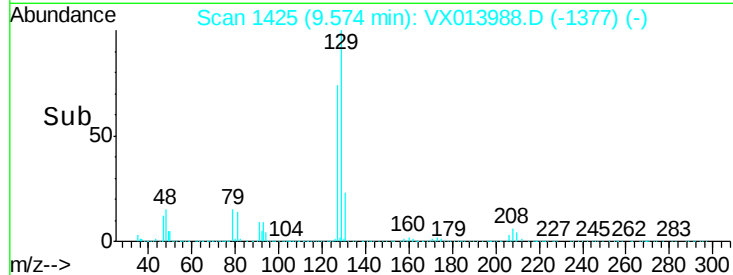
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 48.616 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013988.D

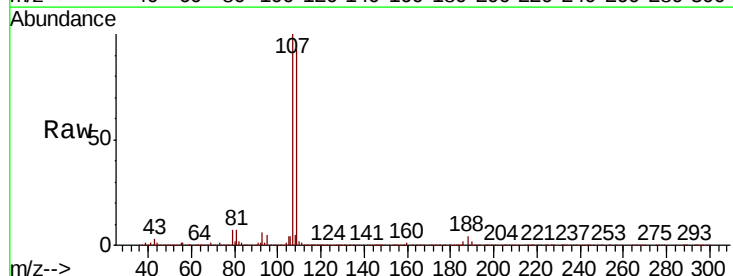
Acq: 12 Dec 2019 20:15

Tgt Ion:107 Resp: 270965

Ion Ratio Lower Upper

107 100

109 92.7 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

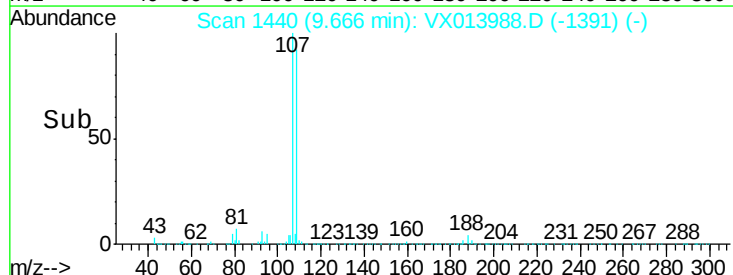
150000

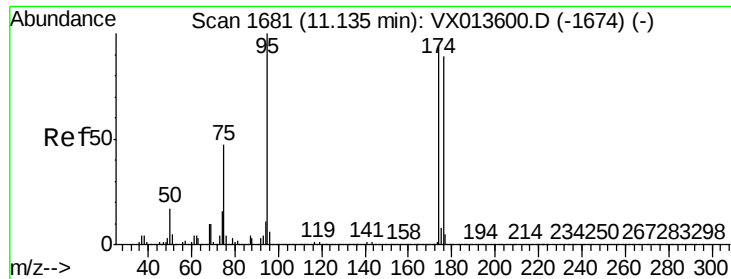
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.539 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

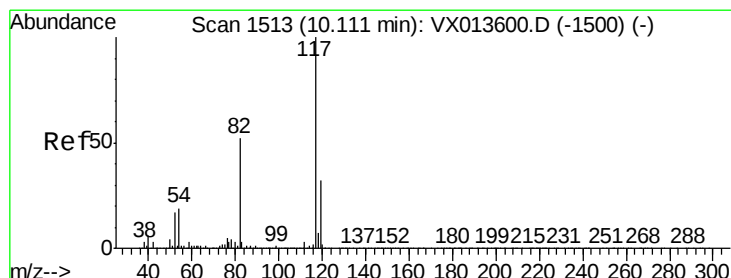
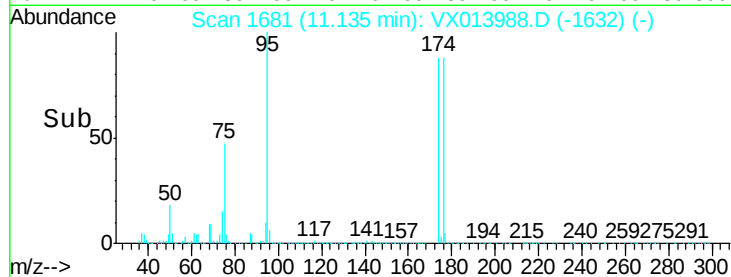
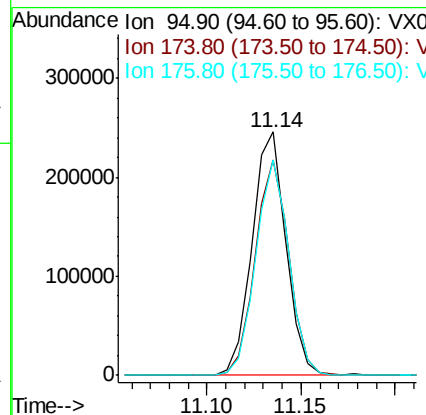
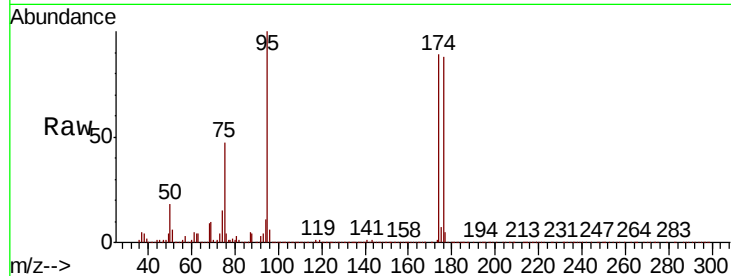
ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:	95	Resp:	304767
Ion Ratio	Lower	Upper	
95	100		
174	88.6	0.0	180.0
176	87.1	0.0	173.6

Manual Integrations
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apatel
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

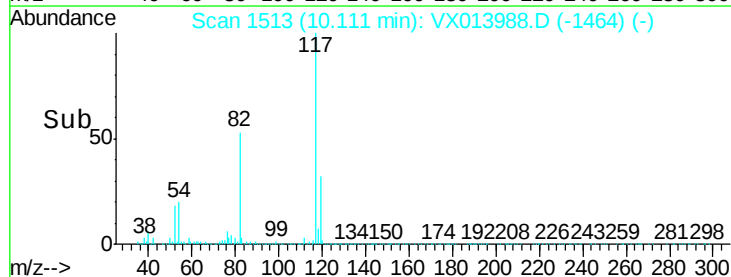
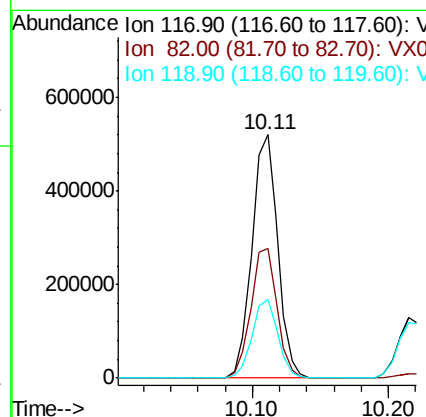
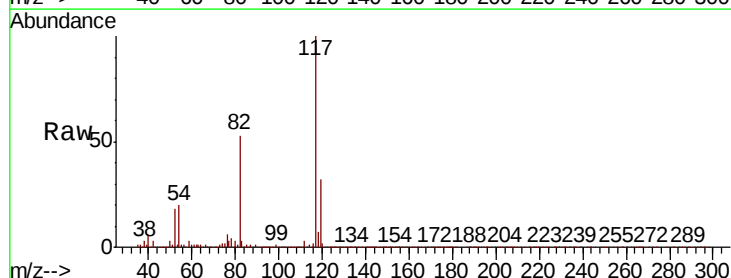
RT: 10.11 min Scan# 1513

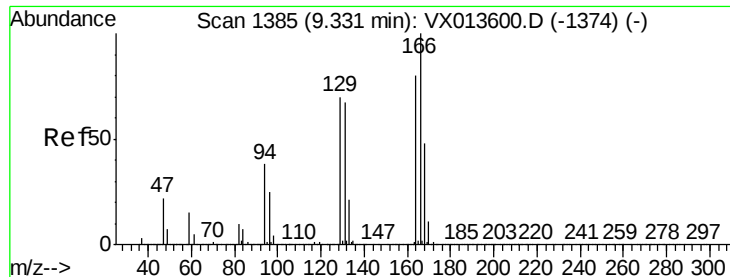
Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion:	117	Resp:	693356
Ion Ratio	Lower	Upper	
117	100		
82	53.4	41.8	62.8
119	32.0	25.8	38.8





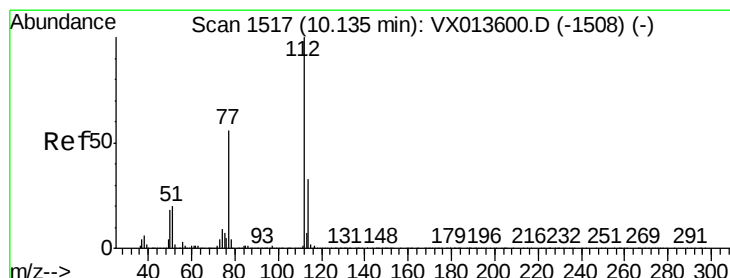
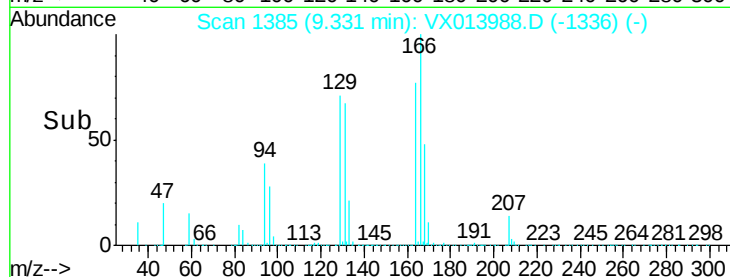
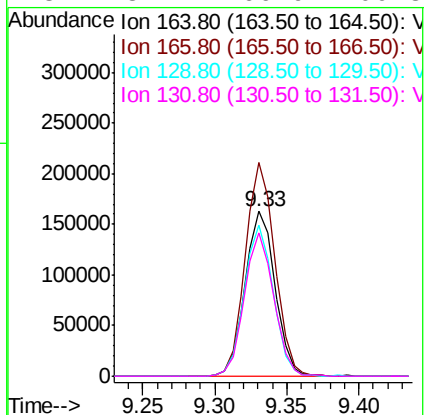
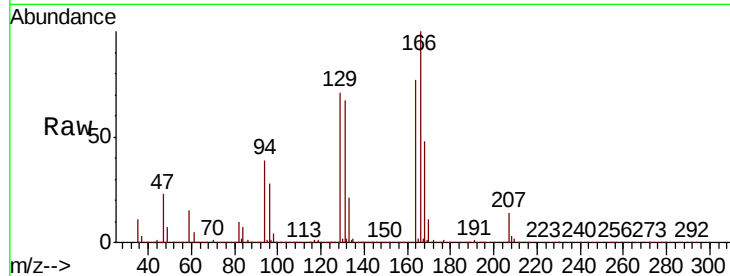
#64
Tetrachloroethene
Concen: 45.418 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.7	99.7	149.5	
129	92.0	70.1	105.1	
131	87.1	66.9	100.3	

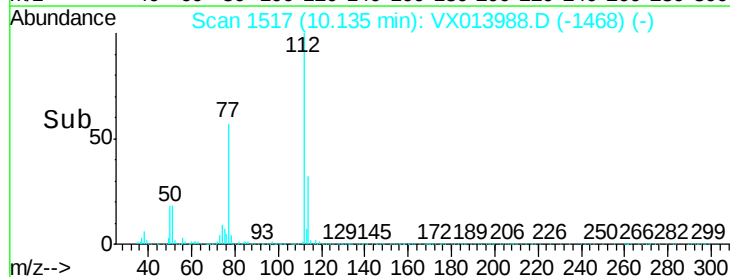
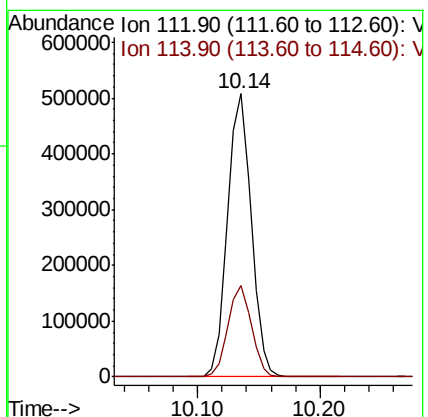
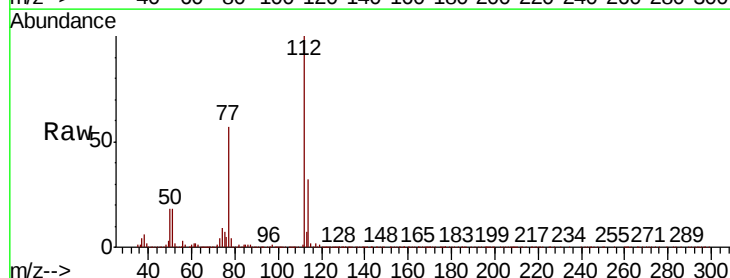
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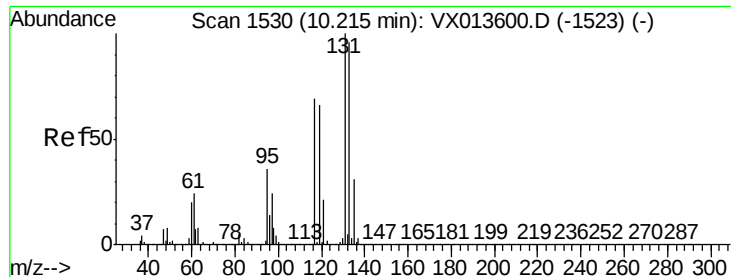
apatel
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#65
Chlorobenzene
Concen: 47.309 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.2	26.1	39.1	





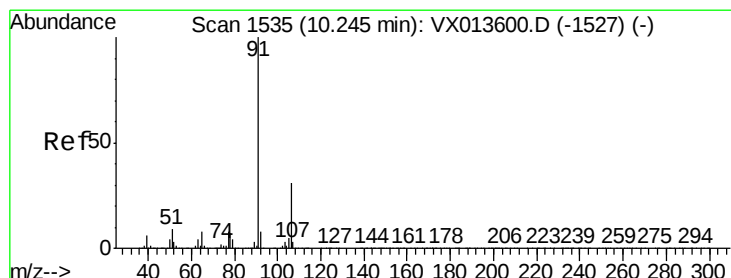
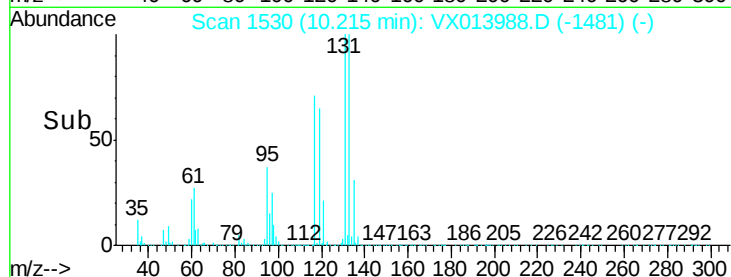
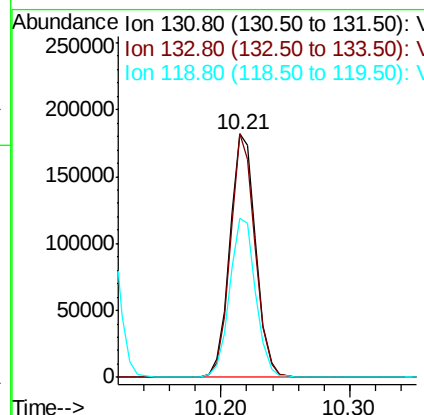
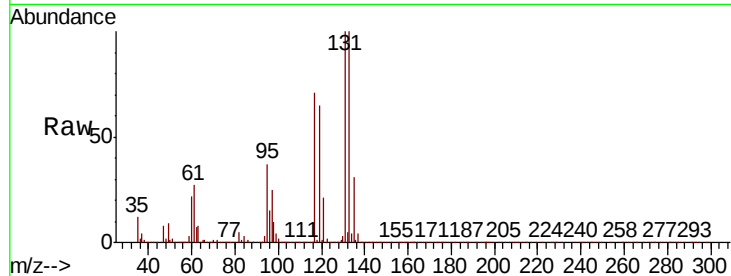
#66
 1,1,1,2-Tetrachloroethane
 Concen: 49.593 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.7	143.1
119	65.5	32.9	98.6

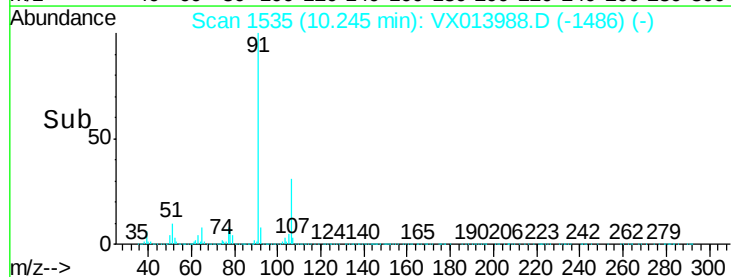
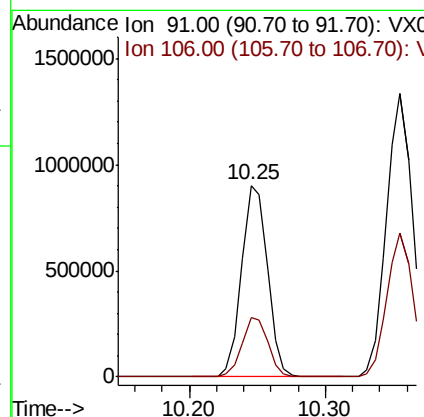
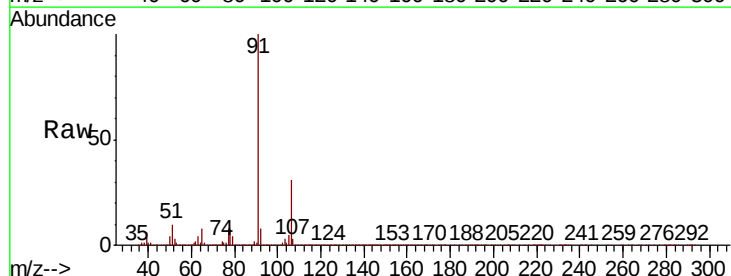
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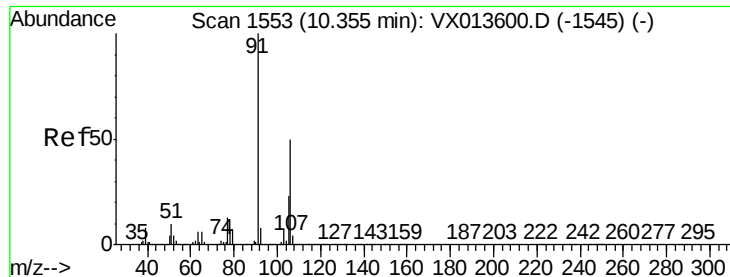
apatel
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#67
 Ethyl Benzene
 Concen: 48.527 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.5	36.7





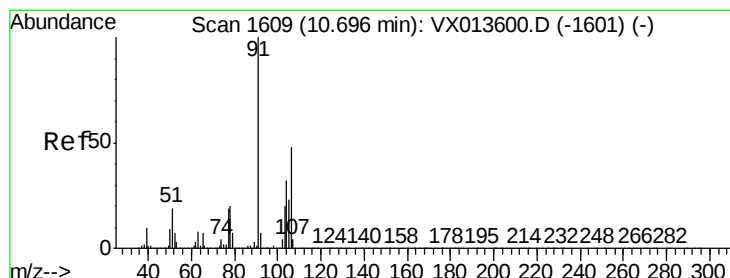
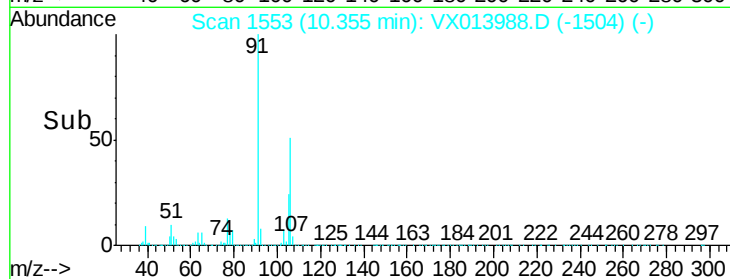
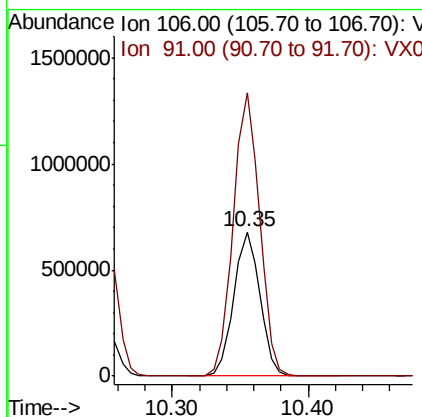
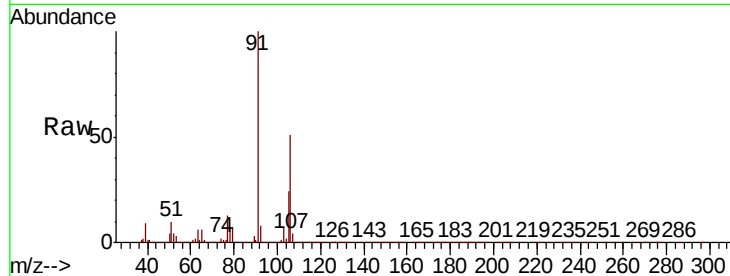
#68
m/p-Xvlenes
Concen: 96.081 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	197.8	159.0	238.4

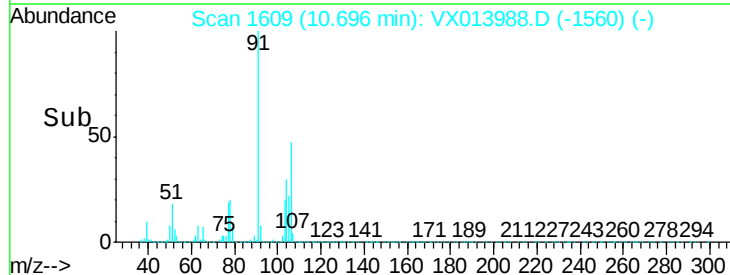
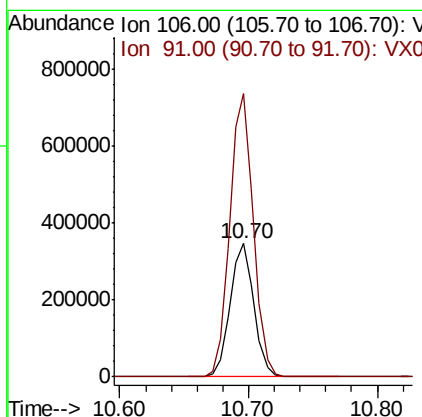
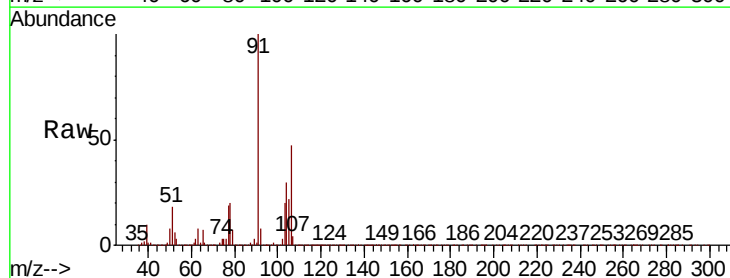
Manual Integrations
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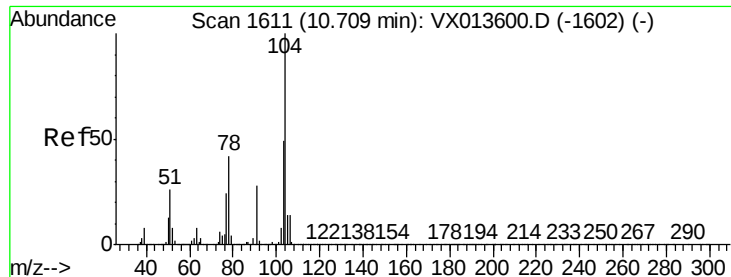
apatel
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#69
o-Xylene
Concen: 48.172 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.7	104.1	312.2





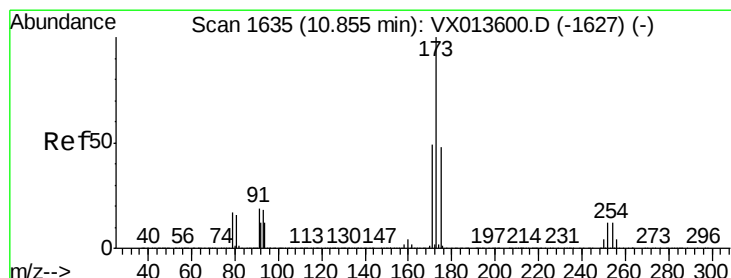
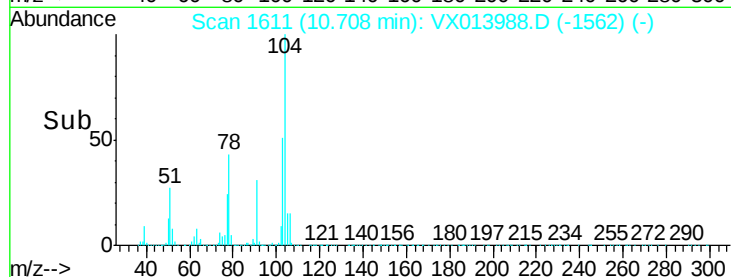
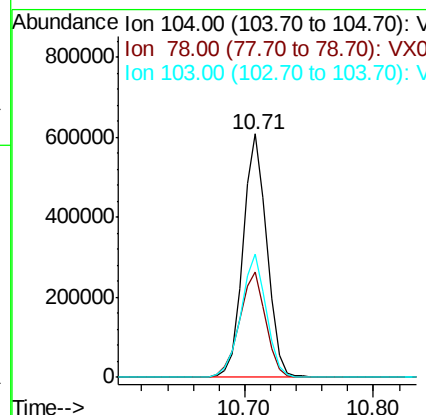
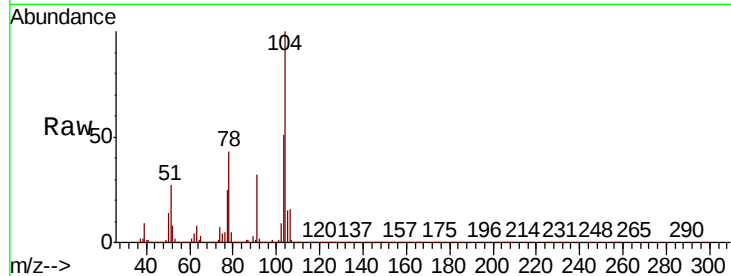
#70
Stvrene
Concen: 49.779 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	54.4	43.7	65.5

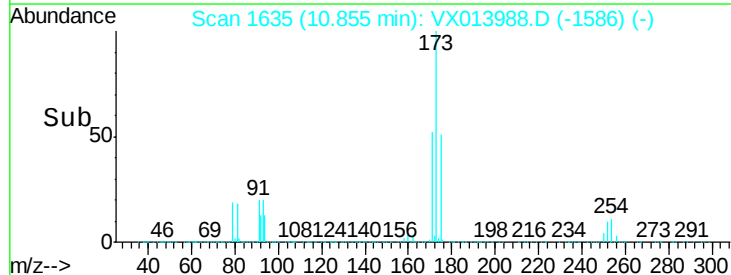
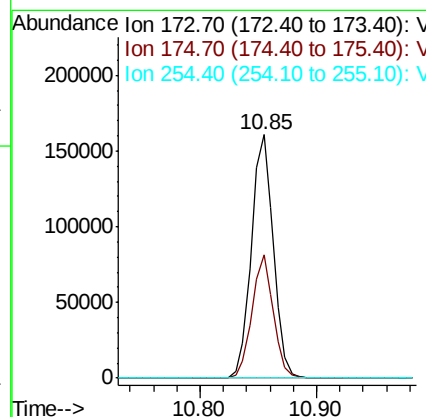
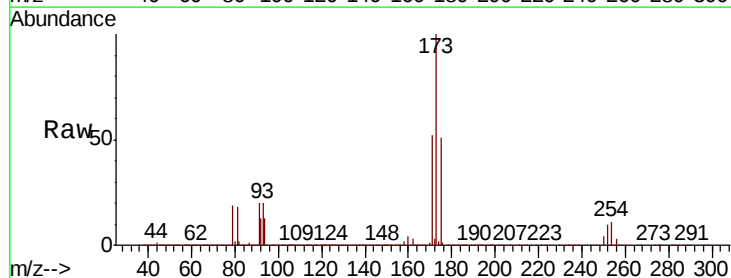
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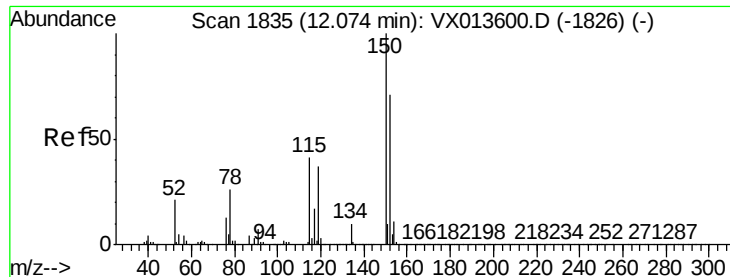
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#71
Bromoform
Concen: 49.666 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.8
254	0.1	0.2	0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

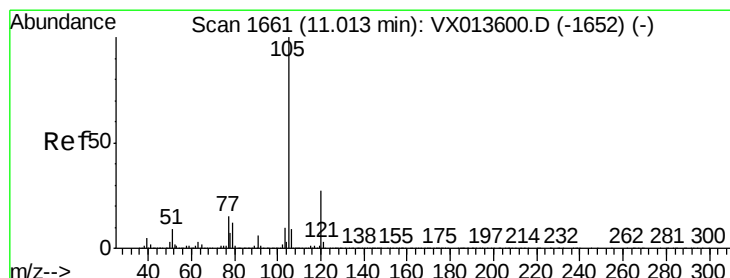
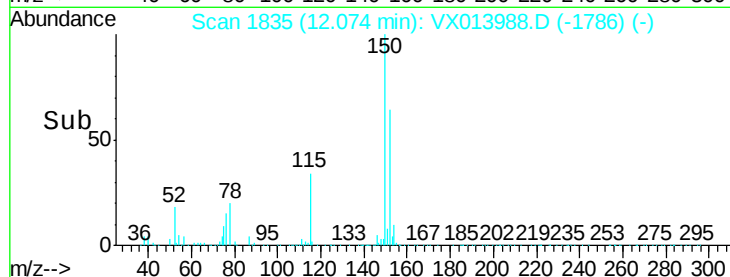
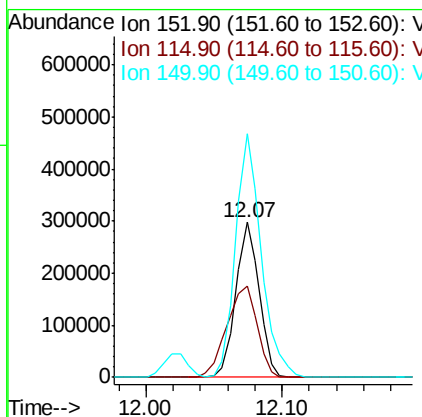
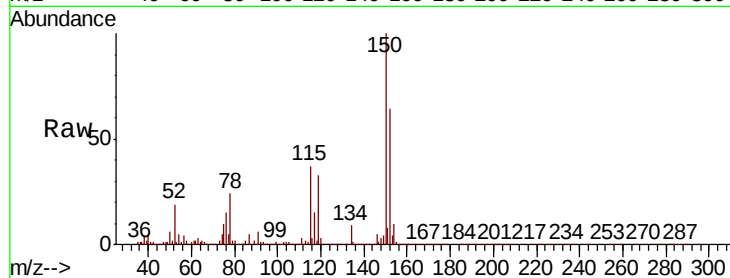
ClientSampleId :

SA-PZ1871-20191208MSD

Tot Ion:	152	Resp:	354296
Ion Ratio	Lower	Upper	
152	100		
115	76.5	38.4	115.1
150	172.9	0.0	346.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 48.080 ug/l

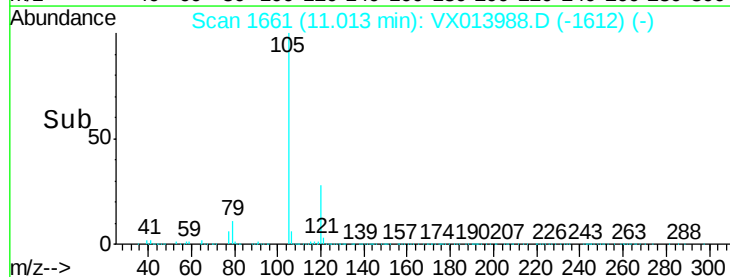
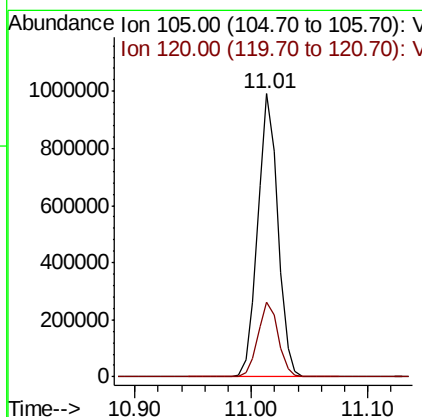
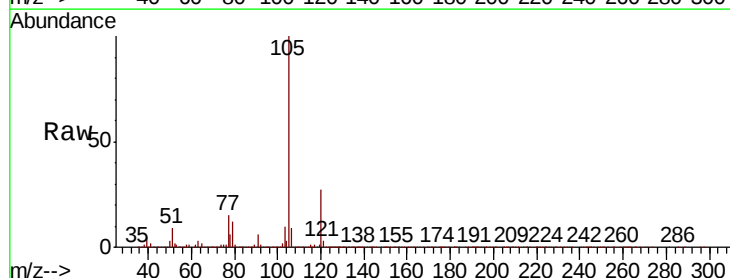
RT: 11.01 min Scan# 1661

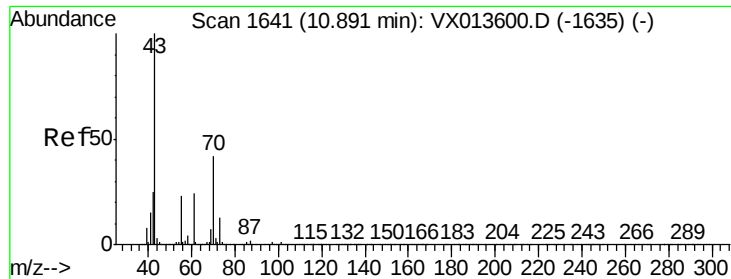
Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion:	105	Resp:	1194899
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.5	40.5





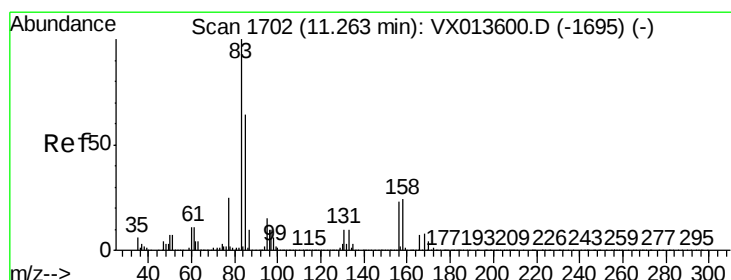
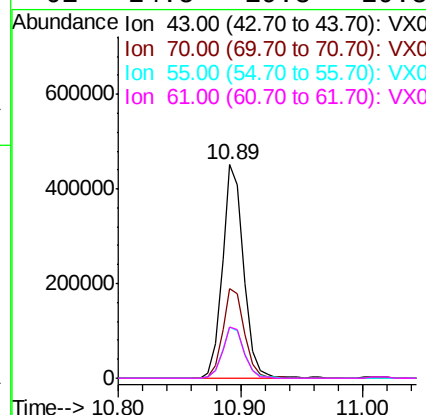
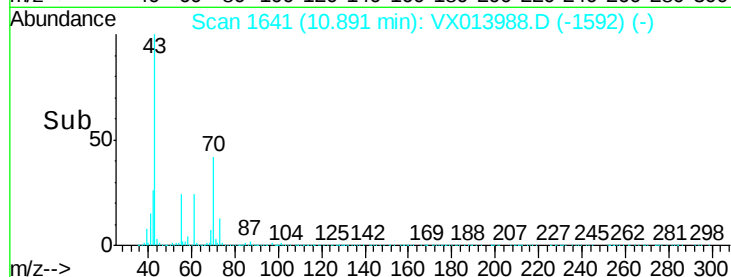
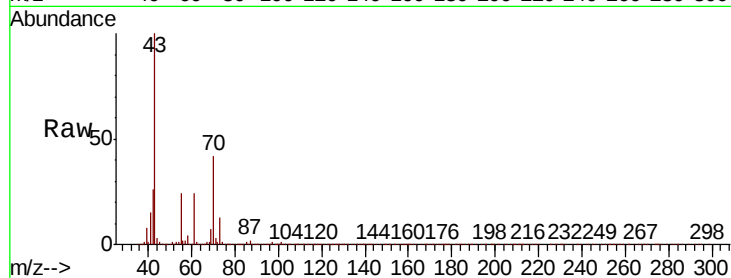
#74
N-amvl acetate
Concen: 47.803 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.3	51.5
55	24.5	18.5	27.7
61	24.5	19.8	29.8

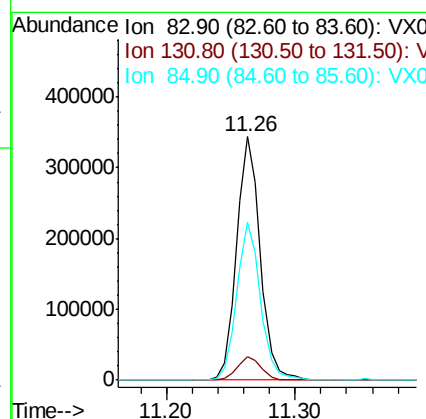
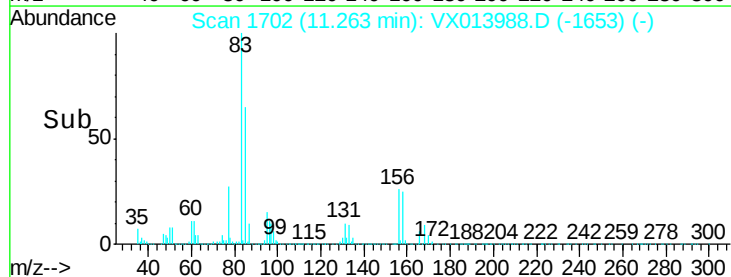
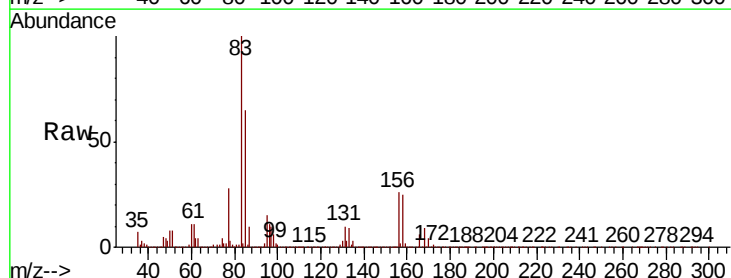
Manual Integrations
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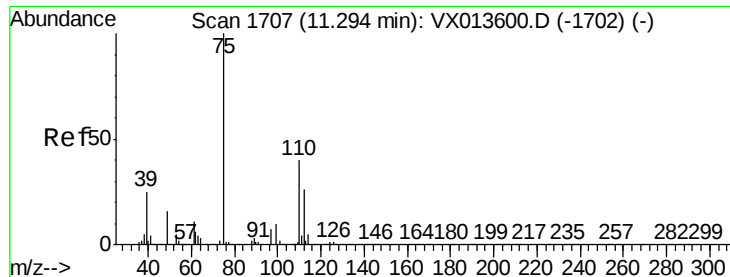
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#75
1,1,2,2-Tetrachloroethane
Concen: 51.115 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.3
85	64.9	31.8	95.3





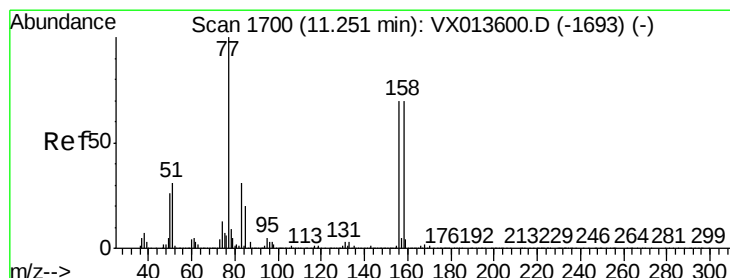
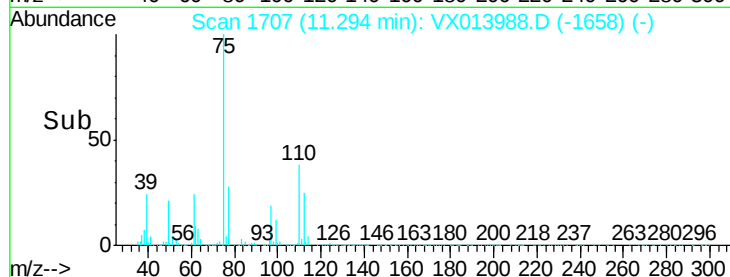
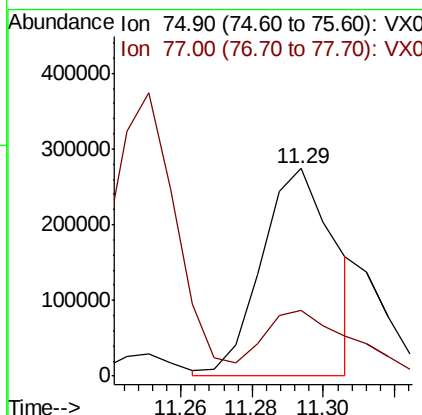
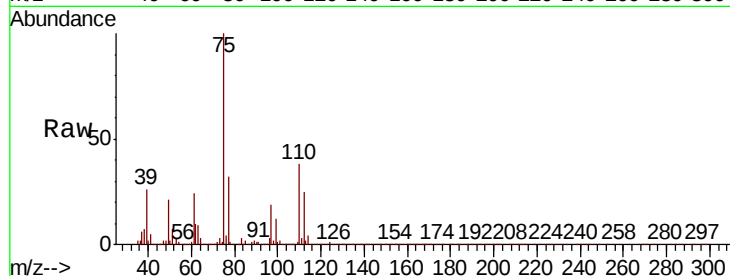
#76
1,2,3-Trichloropropane
Concen: 48.854 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	38.3	19.1	57.5

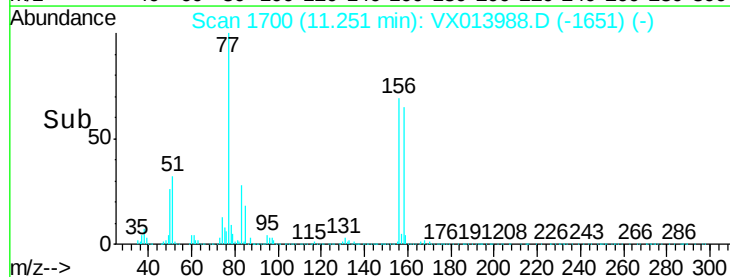
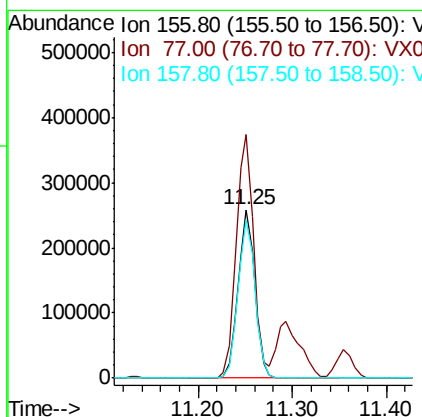
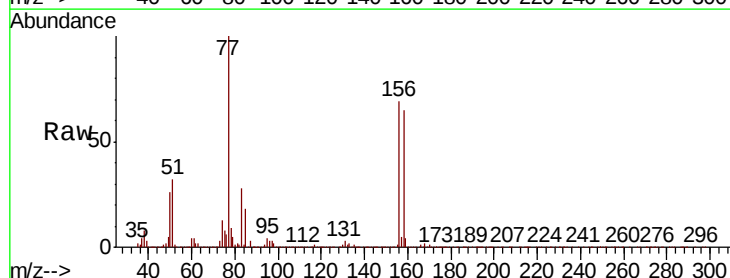
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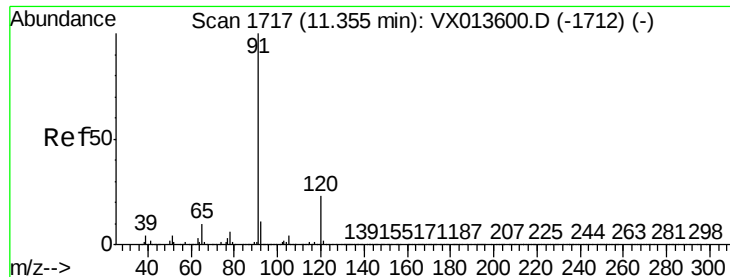
apatel
12/13/2019 11:25:27 AM



#77
Bromobenzene
Concen: 47.322 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
156	100		
77	150.5	74.4	223.1
158	96.1	48.9	146.6





#78

n-propylbenzene

Concen: 47.902 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

Tot Ion: 91 Resp: 1328950

Ion Ratio Lower Upper

91 100

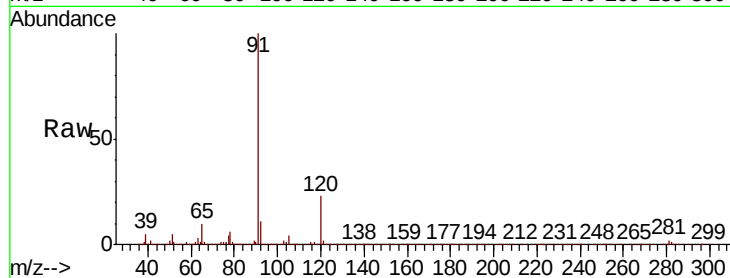
120 23.3 11.8 35.3

Manual Integrations

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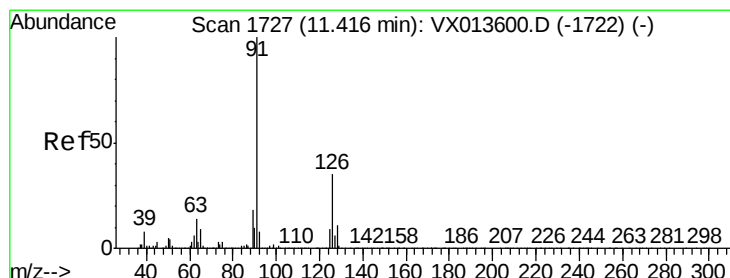
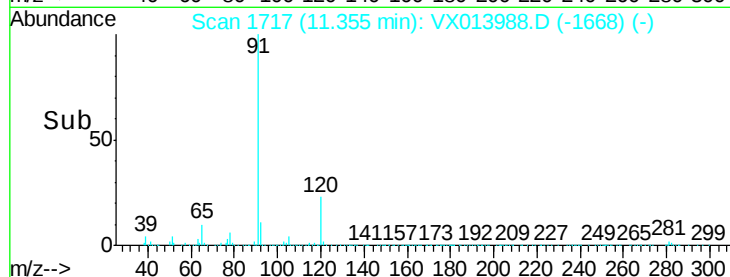
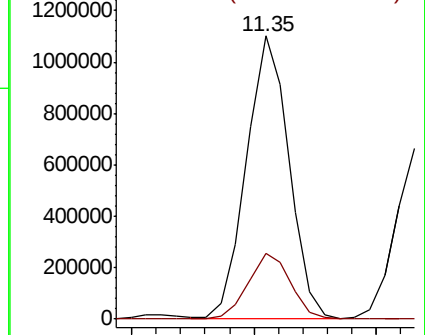
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 48.395 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013988.D

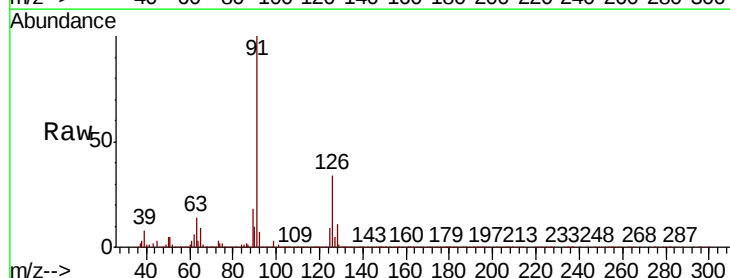
Acq: 12 Dec 2019 20:15

Tgt Ion: 91 Resp: 805394

Ion Ratio Lower Upper

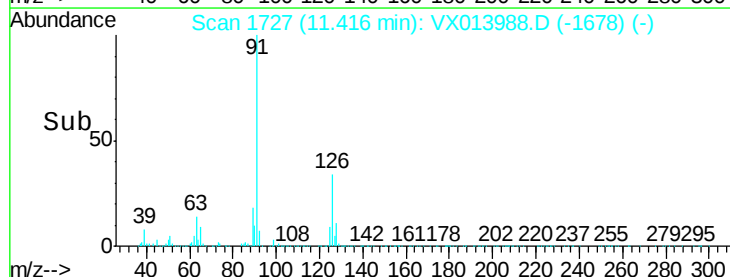
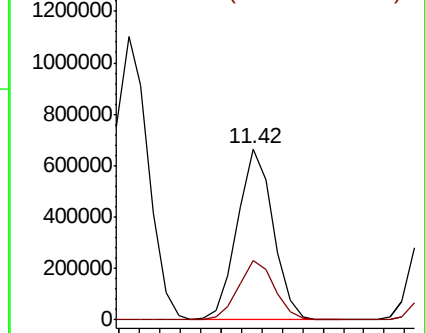
91 100

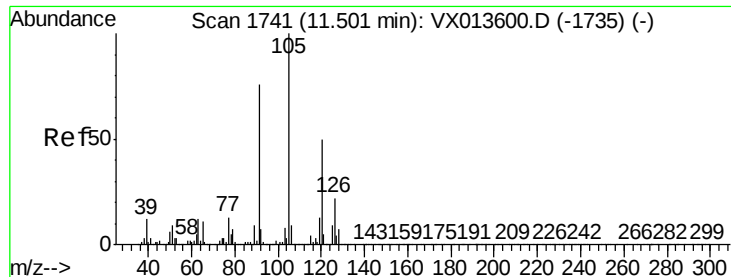
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





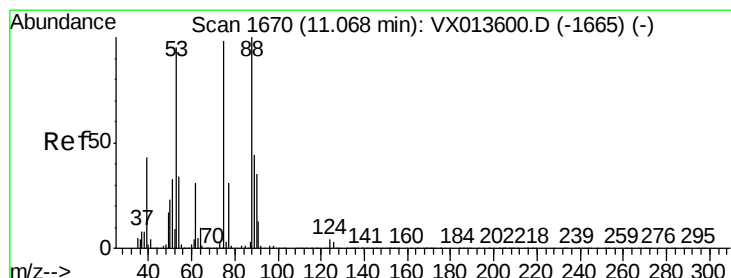
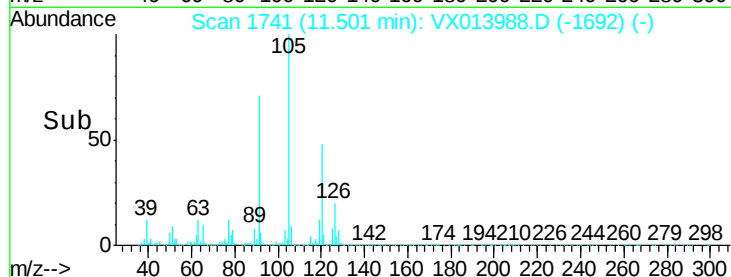
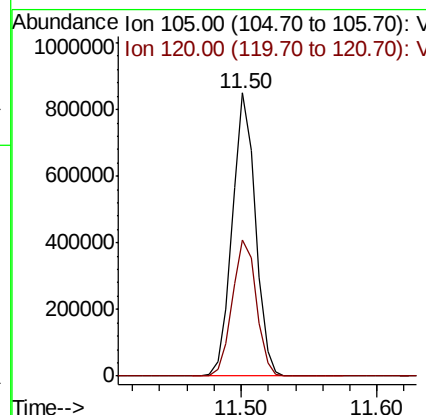
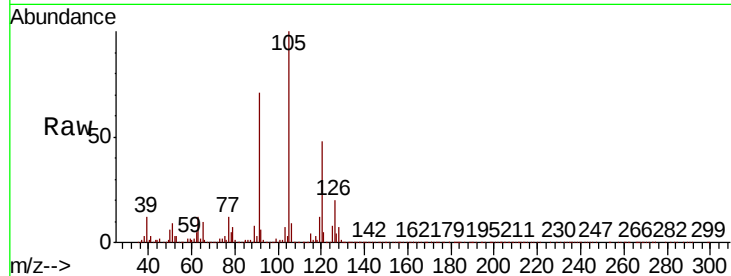
#80
 1,3,5-Trimethylbenzene
 Concen: 49.044 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	998961		
120	50.0	25.3	75.9	

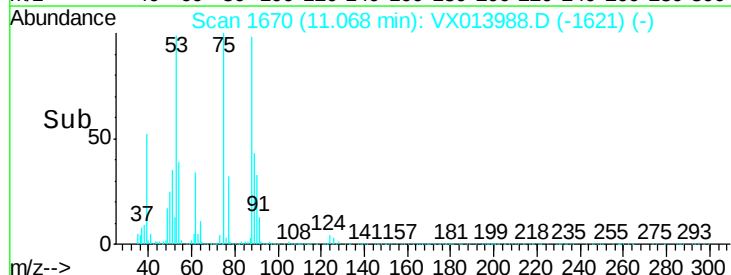
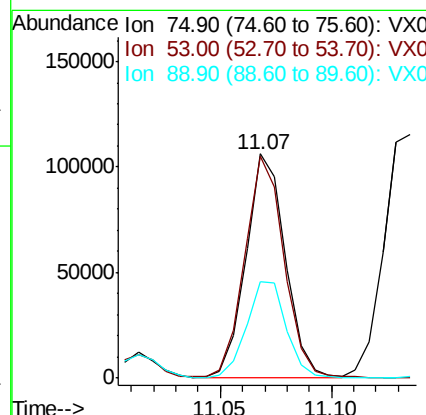
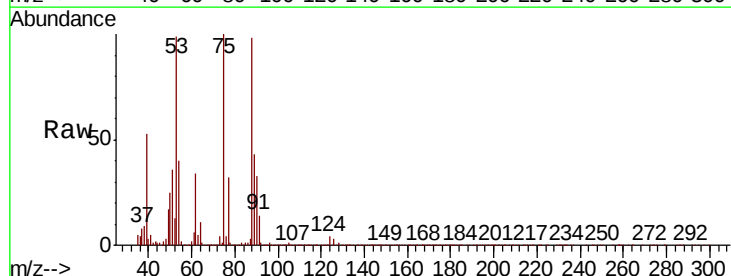
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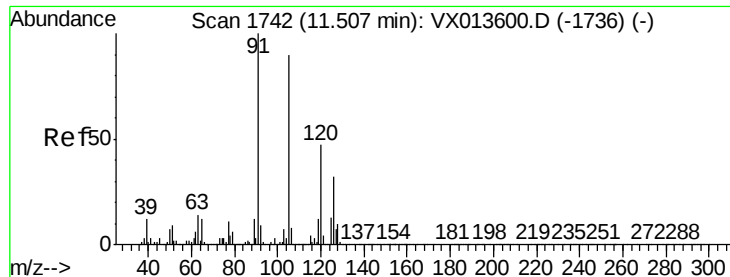
apatel
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.856 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130653		
53	98.2	78.2	117.2	
89	43.7	35.4	53.2	





#82

4-Chlorotoluene

Concen: 47.959 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MSD

Tot Ion: 91 Resp: 924437

Ion Ratio Lower Upper

91 100

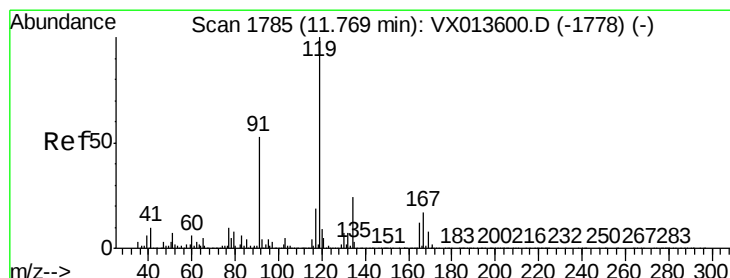
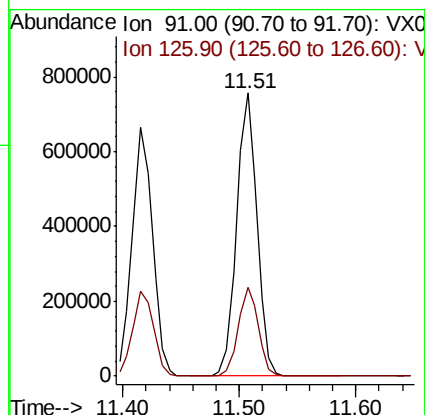
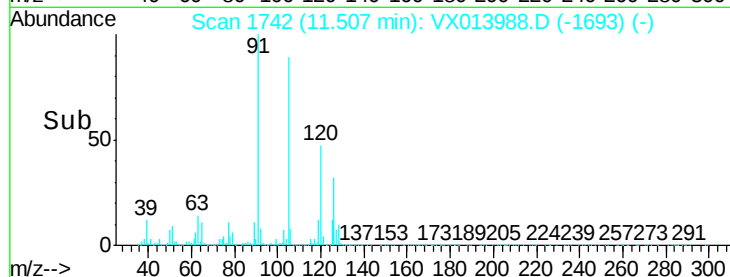
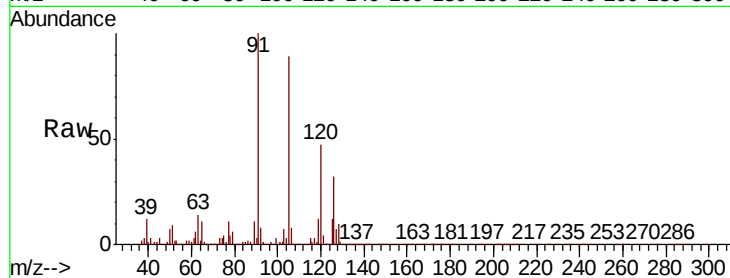
126 30.8 15.7 47.0

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#83

tert-Butylbenzene

Concen: 49.251 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

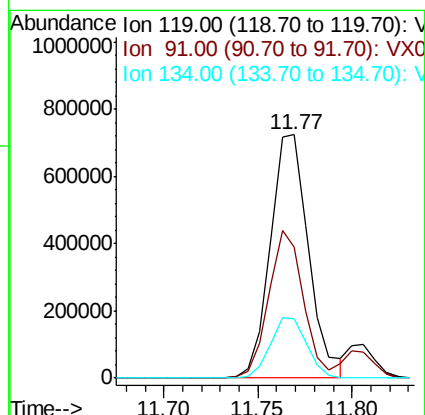
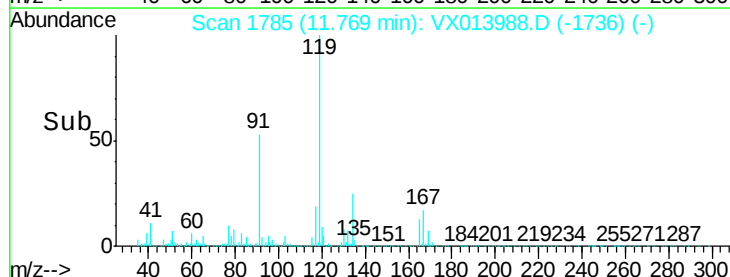
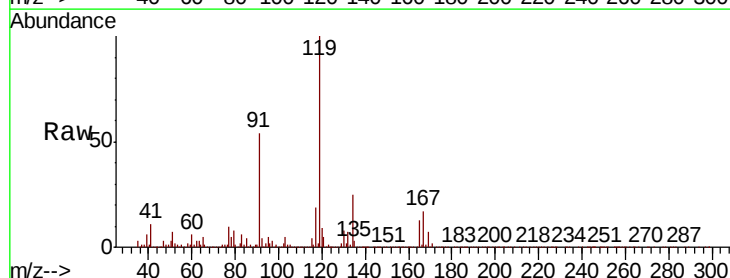
Tgt Ion: 119 Resp: 1019539

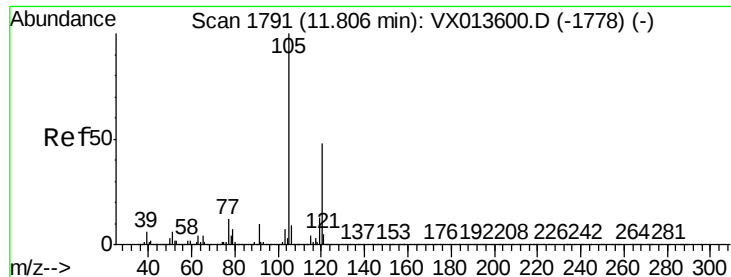
Ion Ratio Lower Upper

119 100

91 54.5 27.2 81.6

134 23.9 11.7 35.1





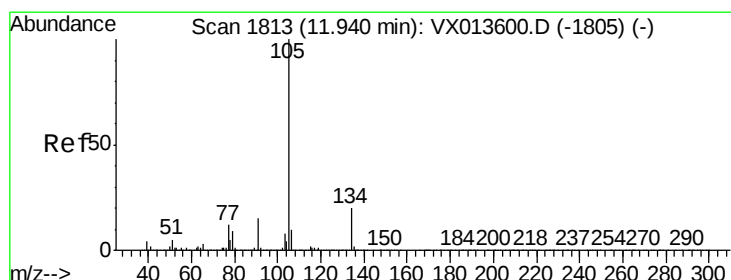
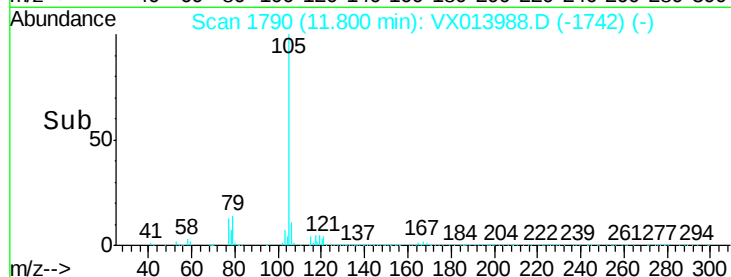
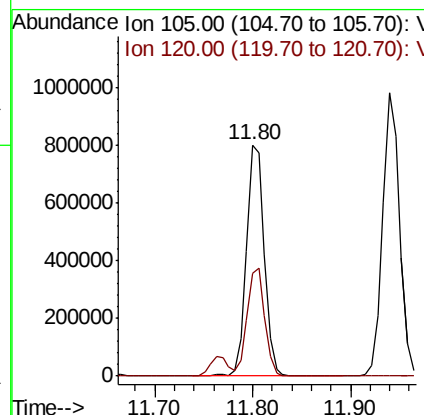
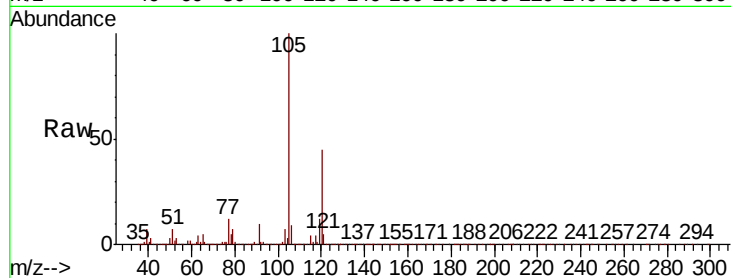
#84
 1,2,4-Trimethylbenzene
 Concen: 48.820 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Tot Ion:105 Resp: 1009219
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.3

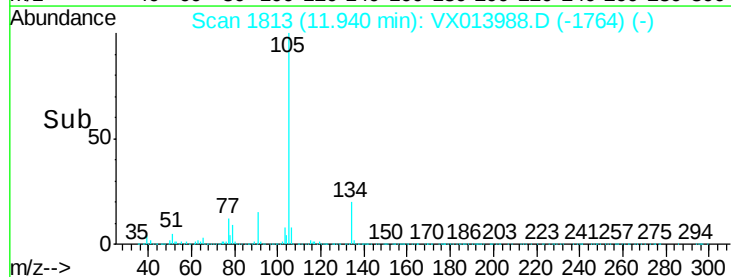
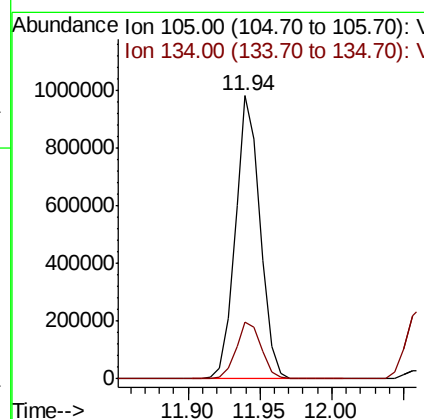
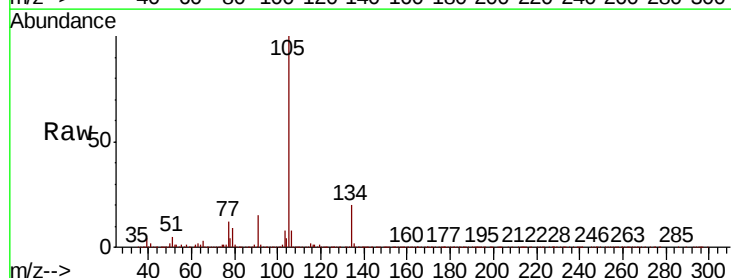
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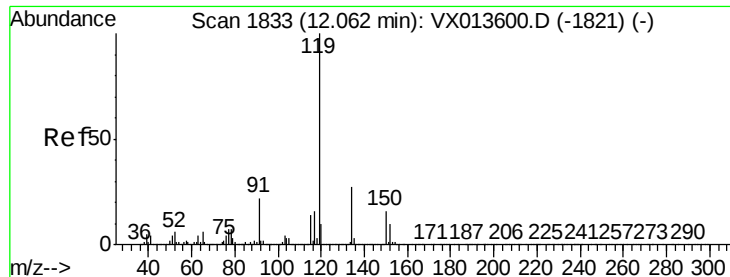
apatel
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#85
 sec-Butylbenzene
 Concen: 49.582 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion:105 Resp: 1172353
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.2





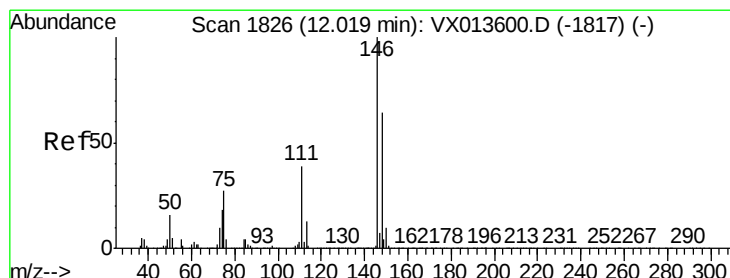
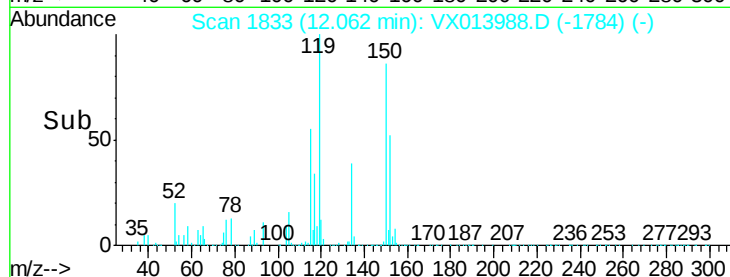
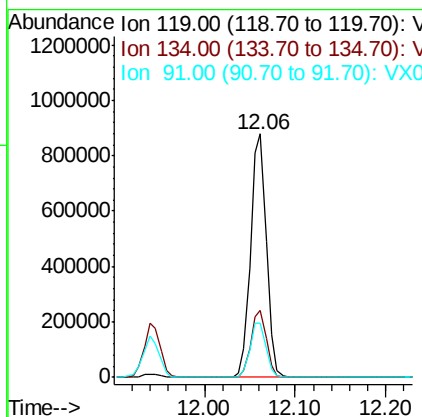
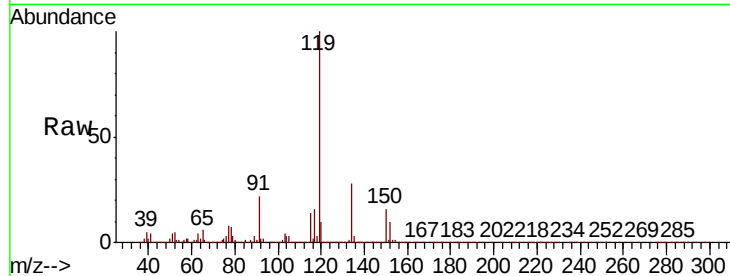
#86
p-Isopropyltoluene
Concen: 48.047 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.3	39.9
91	22.8	11.3	33.8

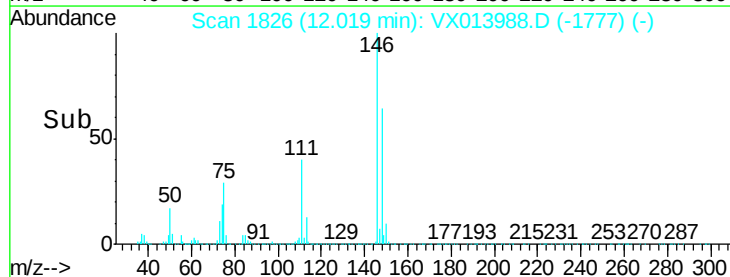
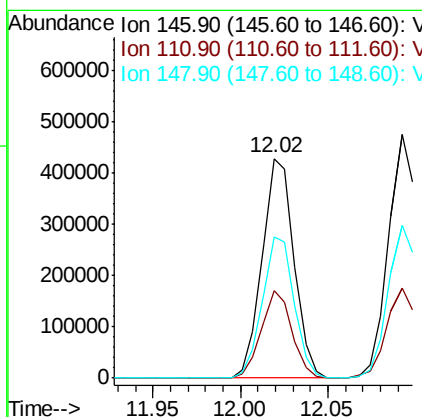
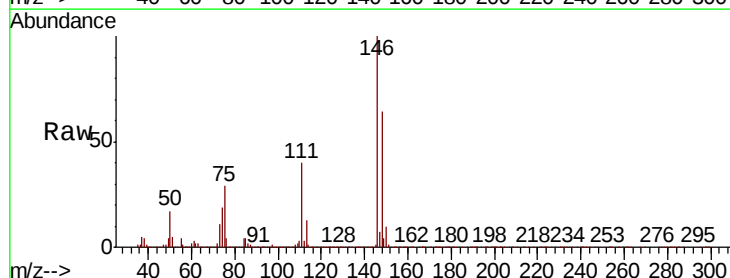
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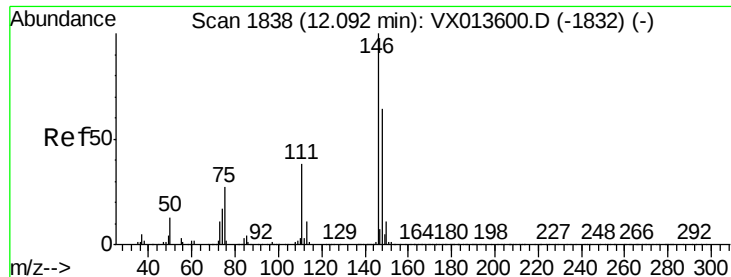
apatel
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#87
1,3-Dichlorobenzene
Concen: 47.175 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	64.1	31.8	95.4





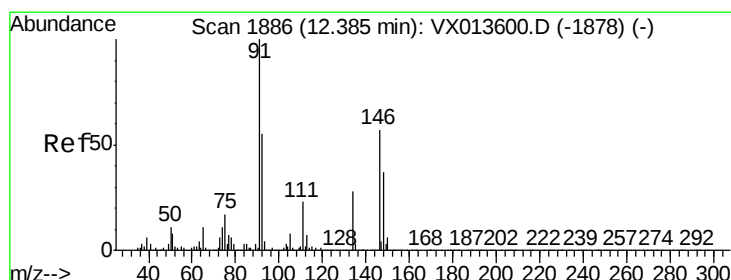
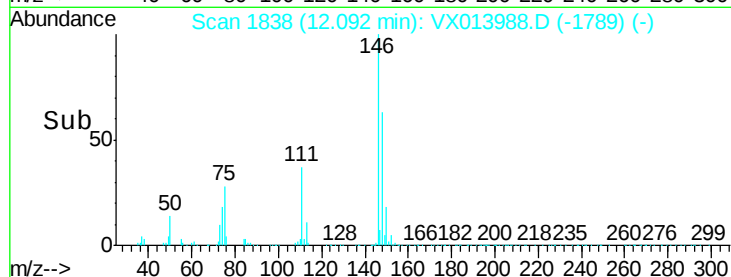
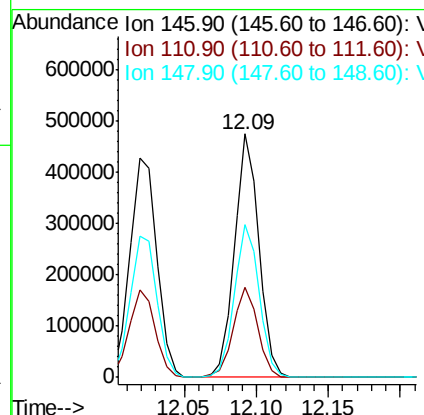
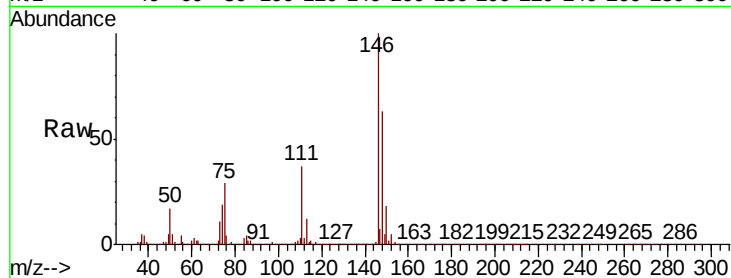
#88
 1,4-Dichlorobenzene
 Concen: 47.489 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	64.0	31.9	95.5

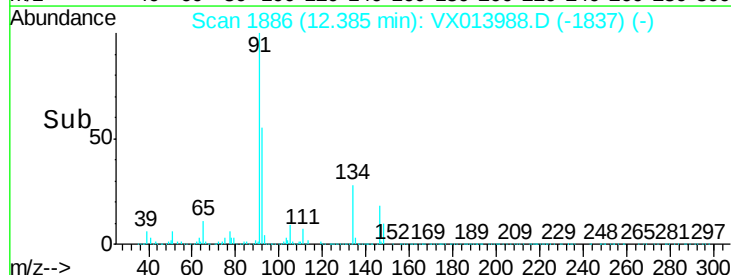
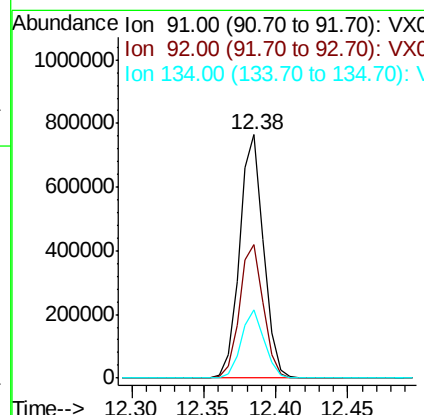
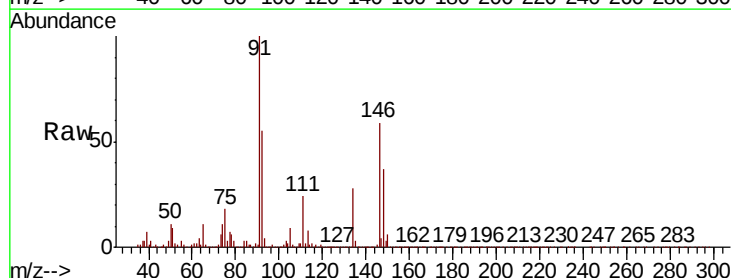
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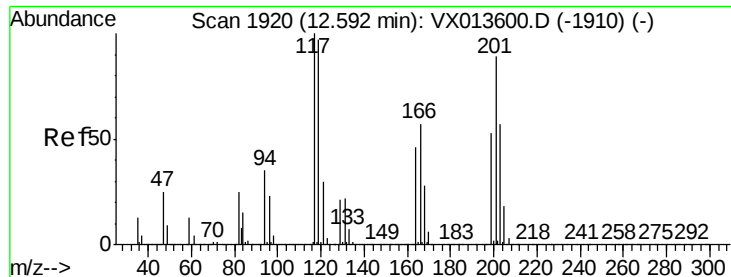
apatel
 12/13/2019 11:25:27 AM



#89
 n-Butylbenzene
 Concen: 47.248 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.4	82.2
134	27.2	13.5	40.4





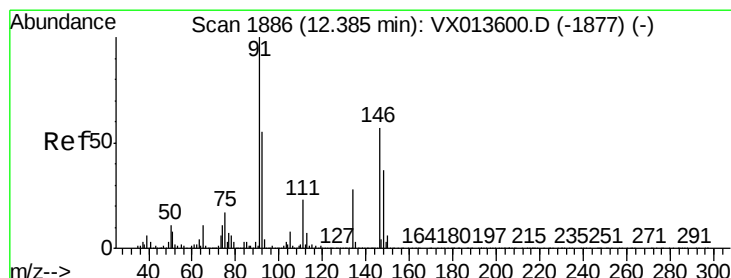
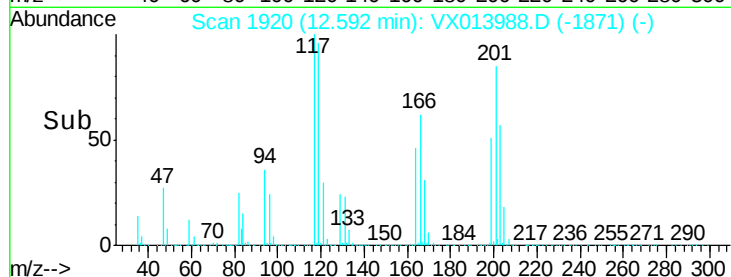
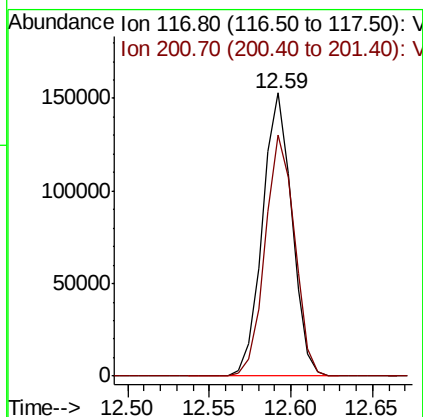
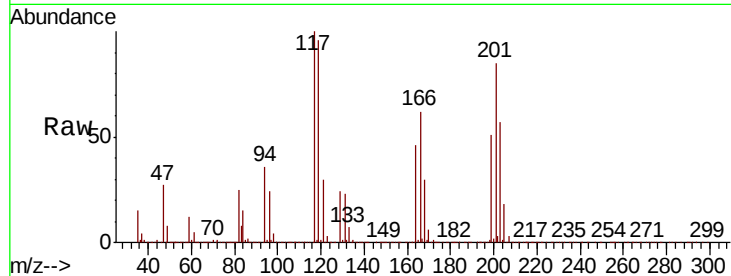
#90
Hexachloroethane
Concen: 48.053 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	191057		
201	85.6	44.1	132.4	

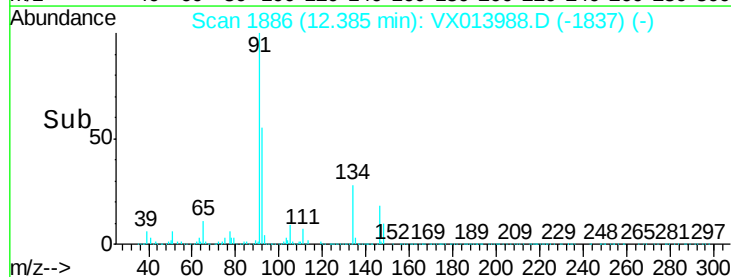
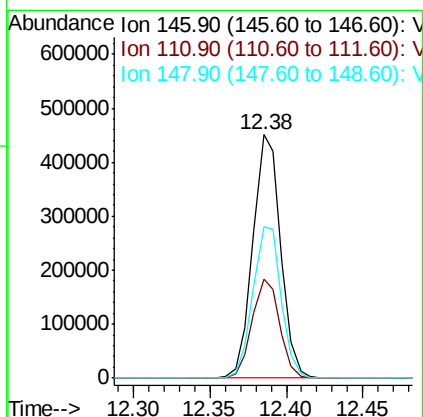
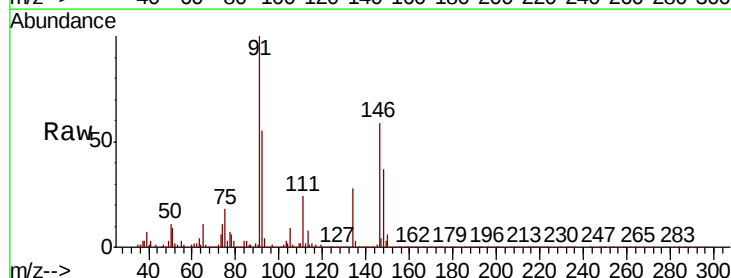
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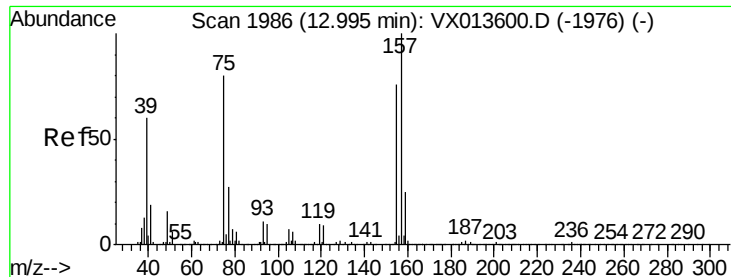
apatel
12/13/2019 11:25:27 AM



#91
1,2-Dichlorobenzene
Concen: 49.237 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013988.D
Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	569360		
111	40.4	19.6	58.7	
148	63.8	31.9	95.7	





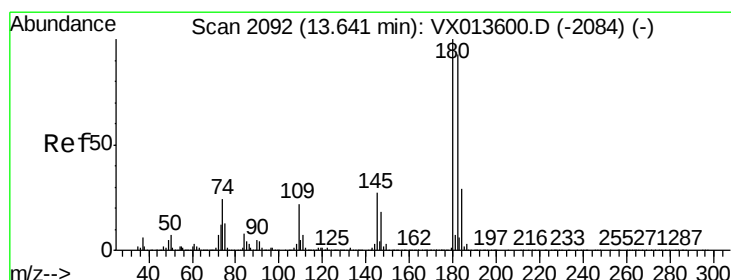
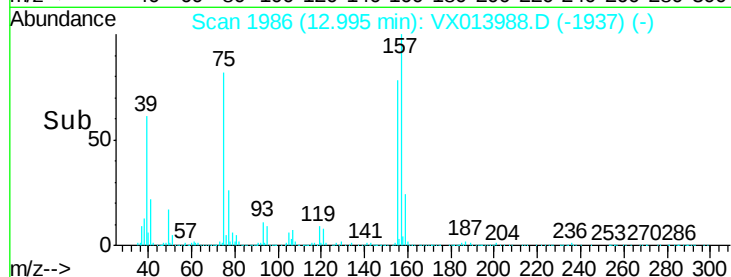
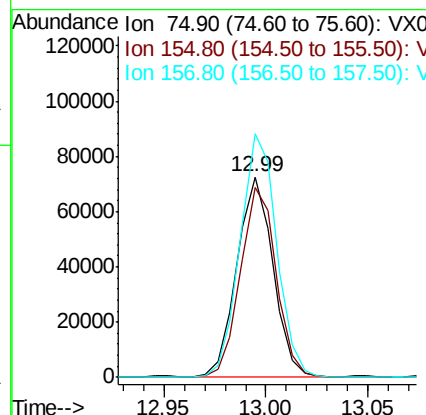
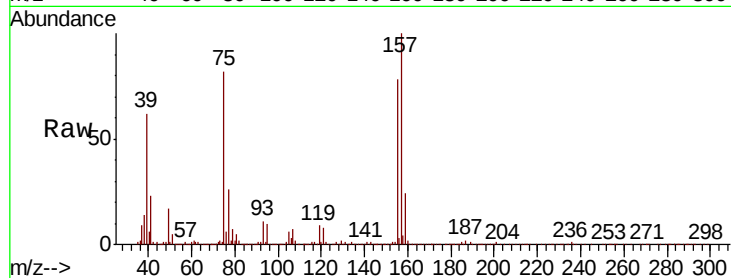
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.735 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1871-20191208MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	95.6	47.6	142.8
157	125.8	62.1	186.2

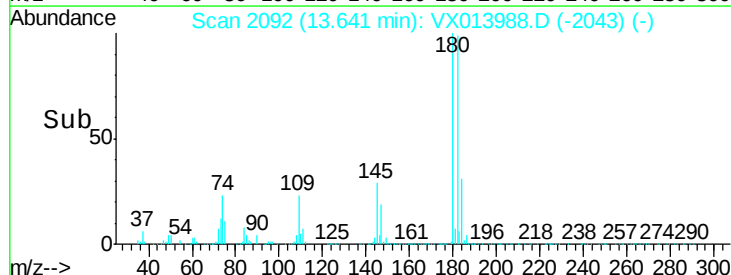
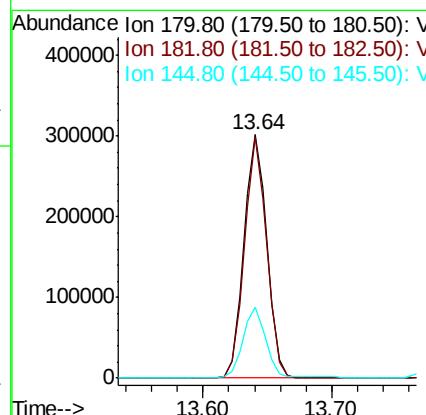
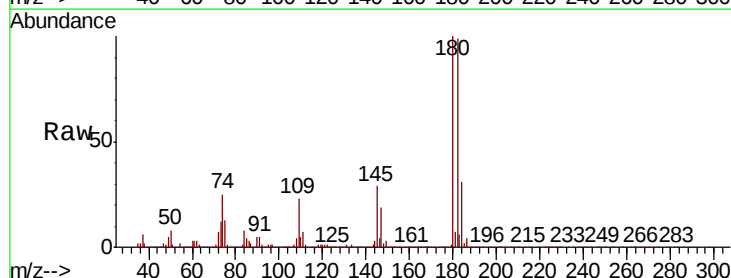
Manual Integrations
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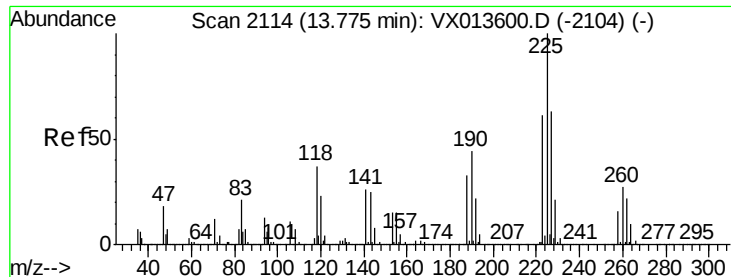
apatel
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#93
 1,2,4-Trichlorobenzene
 Concen: 45.920 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.2	141.6
145	30.0	13.8	41.4





#94

Hexachlorobutadiene

Concen: 44.841 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Instrument :

MSVOA_X

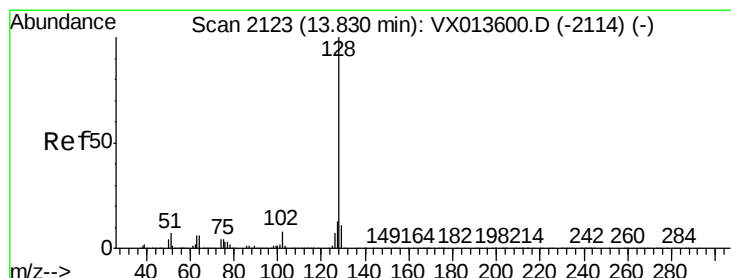
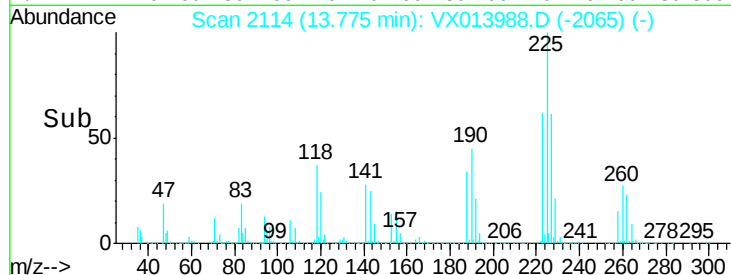
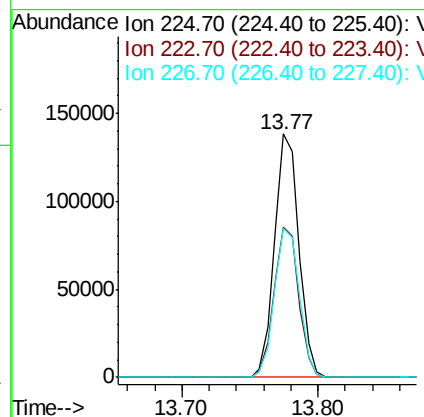
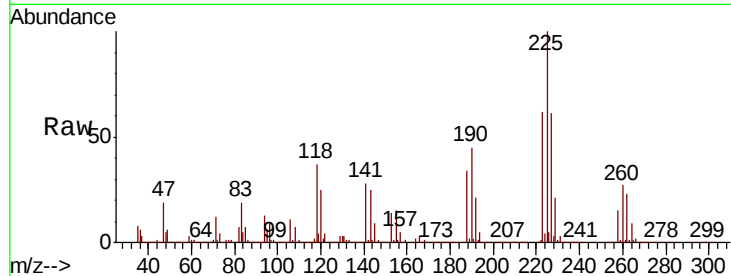
ClientSampleId :

SA-PZ187I-20191208MSD

Tot Ion:	225	Resp:	173596
Ion Ratio		Lower	Upper
225	100		
223	62.7	31.9	95.5
227	62.9	32.1	96.3

Manual Integrations
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#95

Naphthalene

Concen: 46.748 ug/l

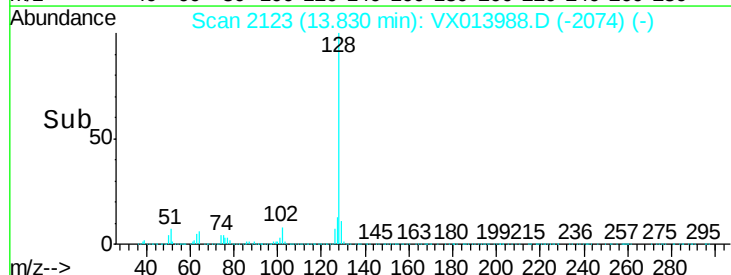
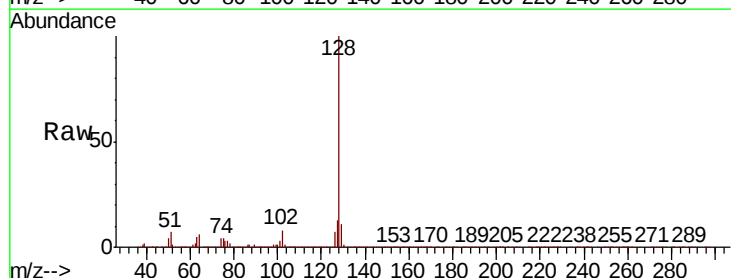
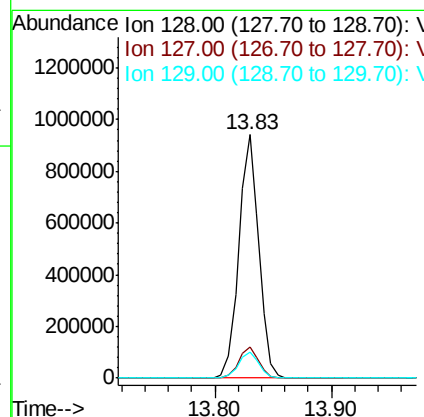
RT: 13.83 min Scan# 2123

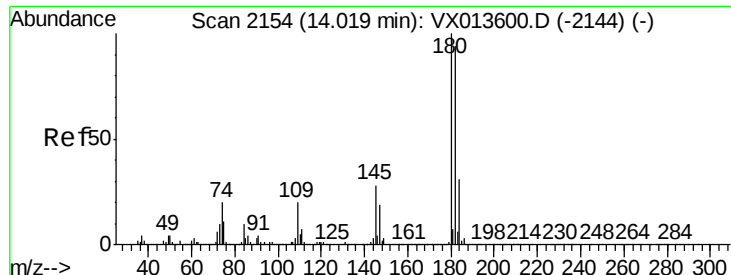
Delta R.T. -0.00 min

Lab File: VX013988.D

Acq: 12 Dec 2019 20:15

Tgt Ion:	128	Resp:	1121957
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 47.231 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VX013988.D
 Acq: 12 Dec 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.6	142.8	
145	31.0	15.0	45.0	

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:27 AM

