

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013987.D
 Acq On : 12 Dec 2019 19:52
 Operator : JC/SP
 Sample : K6249-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1871-20191208MS

Manual Integrations
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 12/13/2019 11:25:24 AM

Quant Time: Dec 13 04:35:58 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	490115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	771654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	705489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	365799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	266991	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	5.49	113	224234	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	8.71	98	837317	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
62) 4-Bromofluorobenzene	11.14	95	312094	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	233933	42.882	ug/l	97
3) Chloromethane	1.31	50	281078	45.919	ug/l	100
4) Vinyl Chloride	1.40	62	315493	45.793	ug/l	100
5) Bromomethane	1.63	94	214094	46.272	ug/l	99
6) Chloroethane	1.70	64	191457	48.835	ug/l	96
7) Trichlorofluoromethane	1.91	101	348726	45.584	ug/l	97
8) Diethyl Ether	2.18	74	168611	48.717	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	217757	46.601	ug/l	100
10) Methyl Iodide	2.50	142	297397	52.613	ug/l	99
11) Tert butyl alcohol	3.05	59	318688	226.944	ug/l	99
12) 1,1-Dichloroethene	2.36	96	214422	45.971	ug/l	99
13) Acrolein	2.28	56	209291	223.508	ug/l	99
14) Allyl chloride	2.72	41	395883	46.770	ug/l	100
15) Acrylonitrile	3.13	53	702104	242.218	ug/l	100
16) Acetone	2.44	43	590405	210.199	ug/l	100
17) Carbon Disulfide	2.56	76	505980	38.054	ug/l	100
18) Methyl Acetate	2.76	43	392406	50.171	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	761575	49.287	ug/l	100
20) Methylene Chloride	2.84	84	259726	48.131	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	230724	45.407	ug/l	96
22) Diisopropyl ether	3.84	45	830185	50.936	ug/l	99
23) Vinyl Acetate	3.80	43	3197600	235.832	ug/l	99
24) 1,1-Dichloroethane	3.69	63	554291	62.211	ug/l	99
25) 2-Butanone	4.66	43	974658	233.484	ug/l	99
26) 2,2-Dichloropropane	4.57	77	315454	42.792	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	279928	47.972	ug/l	98
28) Bromochloromethane	5.00	49	190858	54.207	ug/l	97
29) Tetrahydrofuran	5.12	42	628501	244.231	ug/l	99
30) Chloroform	5.20	83	438965	48.579	ug/l	100
31) Cyclohexane	5.57	56	377403	44.908	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	362322	47.983	ug/l	99
36) 1,1-Dichloropropene	5.79	75	314154	44.849	ug/l	99
37) Ethyl Acetate	4.82	43	360316	45.852	ug/l	99
38) Carbon Tetrachloride	5.78	117	300678	46.552	ug/l	95

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Quant Time: Dec 13 04:35:58 2019
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 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	7.46	83	368406	42.549	ug/l	98
40) Benzene	6.14	78	1001185	46.929	ug/l	99
41) Methacrylonitrile	5.03	41	212402	49.286	ug/l	98
42) 1,2-Dichloroethane	6.18	62	346440	47.616	ug/l	99
43) Isopropyl Acetate	6.43	43	597389	46.177	ug/l	100
44) Trichloroethene	7.21	130	289674	49.474	ug/l	96
45) 1,2-Dichloropropane	7.51	63	265642	49.767	ug/l	99
46) Dibromomethane	7.65	93	168453	46.467	ug/l	98
47) Bromodichloromethane	7.89	83	333002	48.590	ug/l	99
48) Methyl methacrylate	7.76	41	308453	49.071	ug/l	99
49) 1,4-Dioxane	7.73	88	129499	920.387	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2035846	250.174	ug/l	99
52) Toluene	8.78	92	631971	47.683	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	363874	46.646	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	400968	47.048	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	267467	50.079	ug/l	98
56) Ethyl methacrylate	9.17	69	429102	49.972	ug/l	100
57) 1,3-Dichloropropane	9.37	76	451599	49.055	ug/l	100
59) 2-Hexanone	9.49	43	1560086	245.806	ug/l	99
60) Dibromochloromethane	9.57	129	270361	48.777	ug/l	99
61) 1,2-Dibromoethane	9.67	107	274687	48.154	ug/l	99
64) Tetrachloroethene	9.33	164	236413	44.936	ug/l	99
65) Chlorobenzene	10.14	112	684834	46.755	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	256028	48.677	ug/l	100
67) Ethyl Benzene	10.24	91	1204081	47.838	ug/l	99
68) m/p-Xylenes	10.35	106	909261	94.357	ug/l	99
69) o-Xylene	10.70	106	453826	48.288	ug/l	99
70) Stvrene	10.71	104	772845	48.884	ug/l	99
71) Bromoform	10.85	173	209257	48.083	ug/l	99
73) Isopropylbenzene	11.01	105	1179093	45.952	ug/l	99
74) N-amyl acetate	10.89	43	549297	46.732	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	443390	49.827	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	389182m	47.303	ug/l	
77) Bromobenzene	11.25	156	315049	45.449	ug/l	99
78) n-propylbenzene	11.35	91	1322117	46.157	ug/l	100
79) 2-Chlorotoluene	11.42	91	795826	46.316	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1001335	47.614	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	129457	43.047	ug/l	98
82) 4-Chlorotoluene	11.51	91	907305	45.590	ug/l	99
83) tert-Butylbenzene	11.77	119	1014929	47.487	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	997238	46.723	ug/l	99
85) sec-Butylbenzene	11.94	105	1164370	47.696	ug/l	100
86) p-Isopropyltoluene	12.06	119	1046230	46.067	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	546560	45.232	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	562443	45.698	ug/l	99
89) n-Butylbenzene	12.38	91	876296	45.240	ug/l	100
90) Hexachloroethane	12.59	117	186855	45.519	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	573398	48.027	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	86439	44.607	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	364321	43.785	ug/l	98

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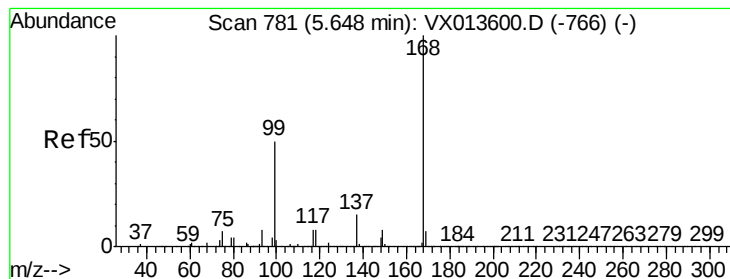
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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	169682	42.452	ug/l	99
95) Naphthalene	13.83	128	1097497	44.291	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	368442	44.722	ug/l	99

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



#1

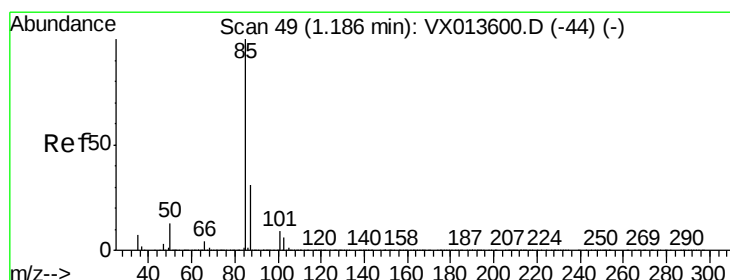
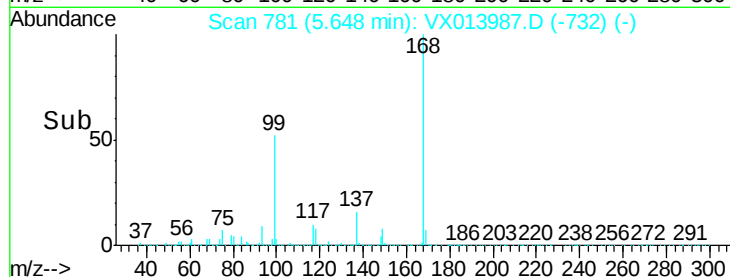
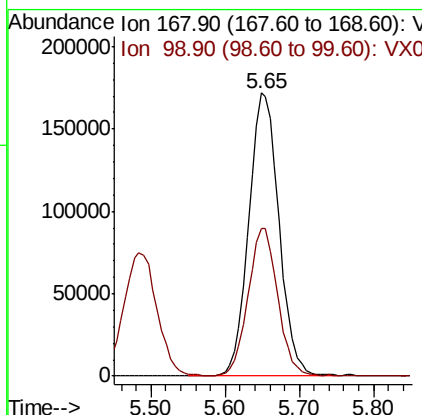
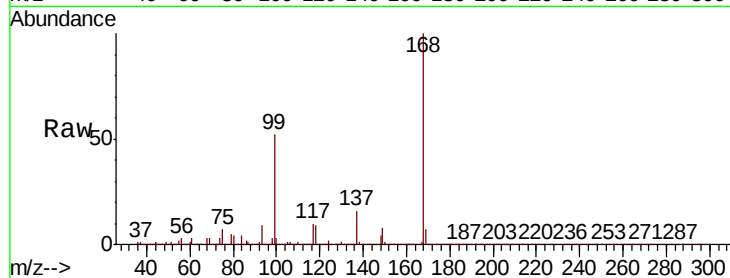
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1871-20191208MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.8	39.8	59.8

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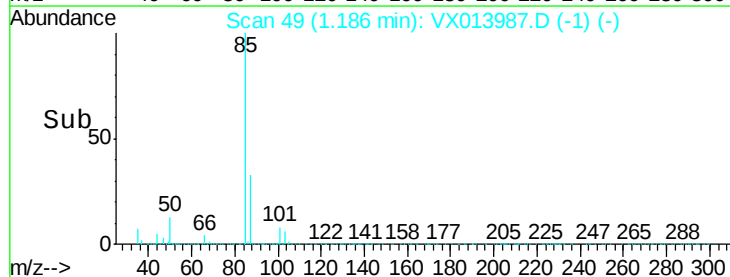
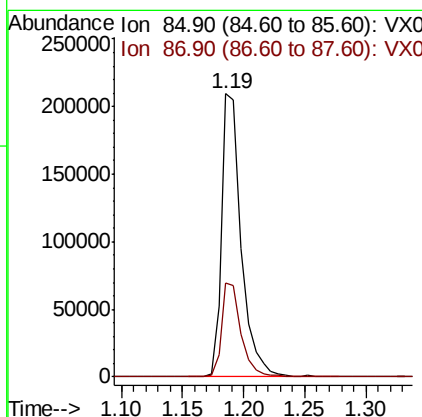
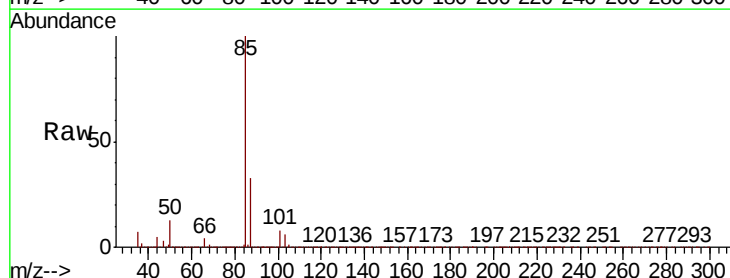
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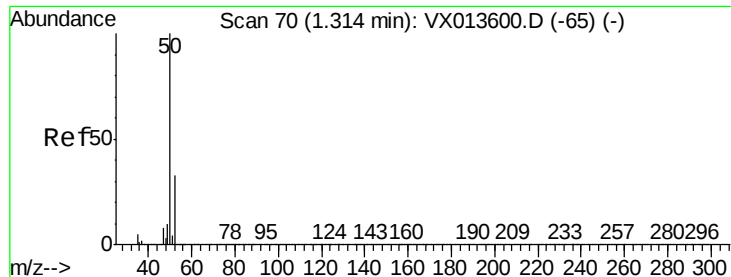


#2

Dichlorodifluoromethane
 Concen: 42.882 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	15.7	47.1





#3

Chloromethane

Concen: 45.919 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion: 50 Resp: 281078

Ion Ratio Lower Upper

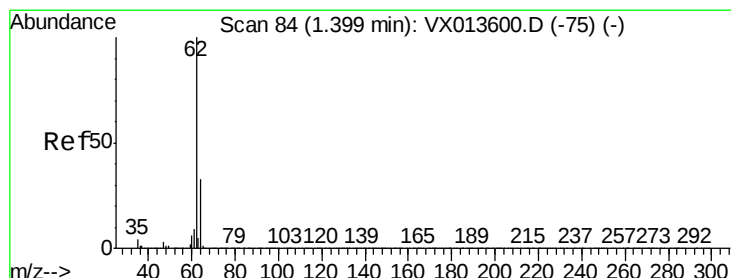
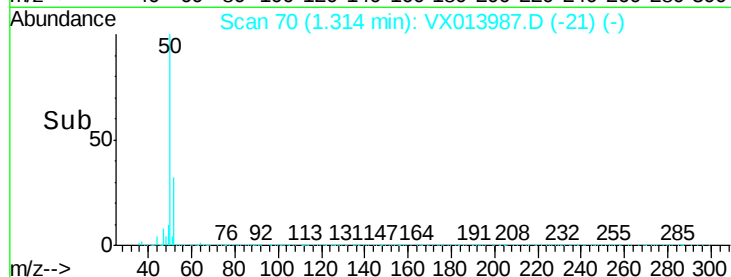
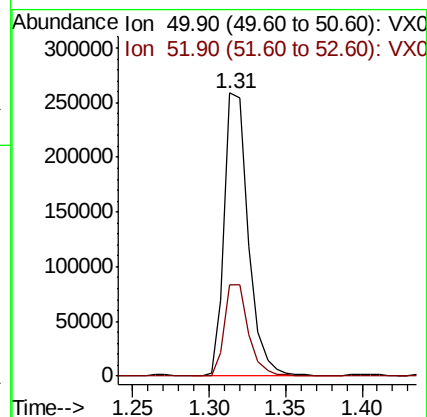
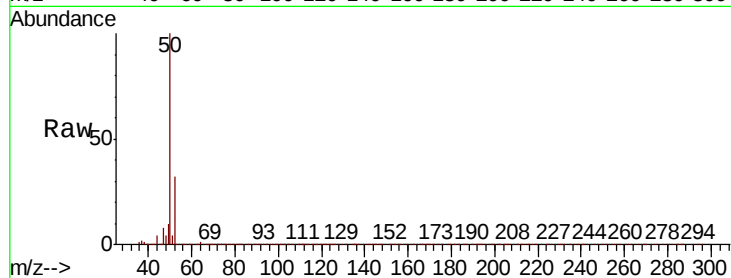
50 100

52 32.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 45.793 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013987.D

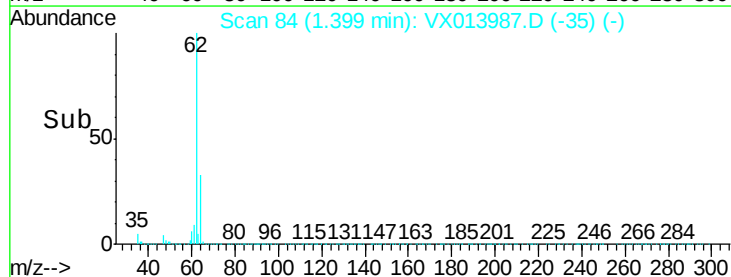
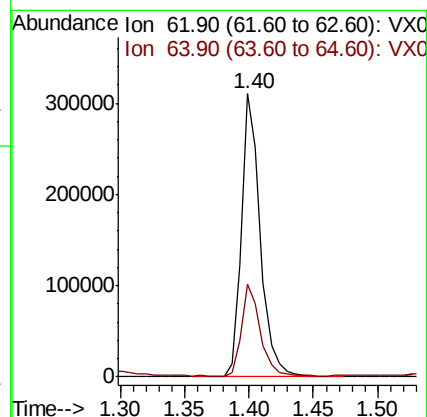
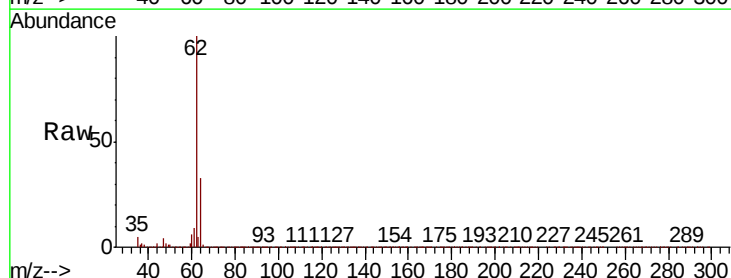
Acq: 12 Dec 2019 19:52

Tgt Ion: 62 Resp: 315493

Ion Ratio Lower Upper

62 100

64 32.6 26.0 39.0





#5

Bromomethane

Concen: 46.272 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion: 94 Resp: 214094

Ion Ratio Lower Upper

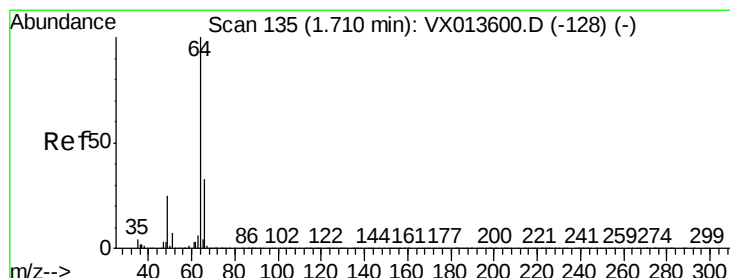
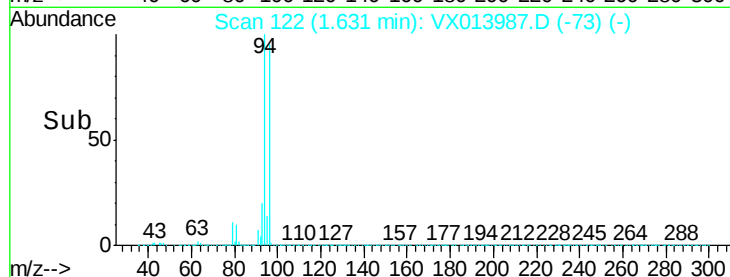
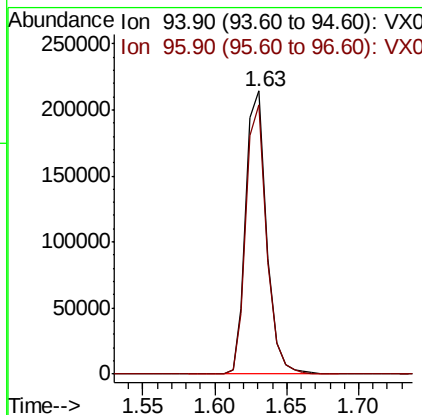
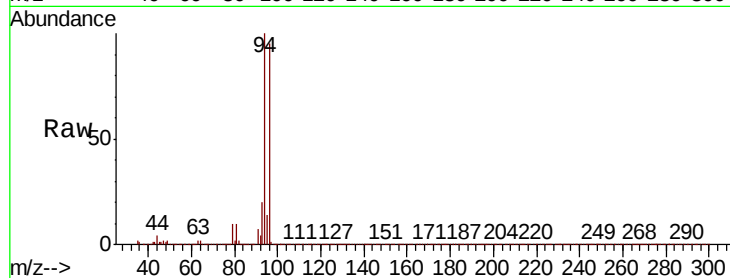
94 100

96 95.1 77.0 115.4

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#6

Chloroethane

Concen: 48.835 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013987.D

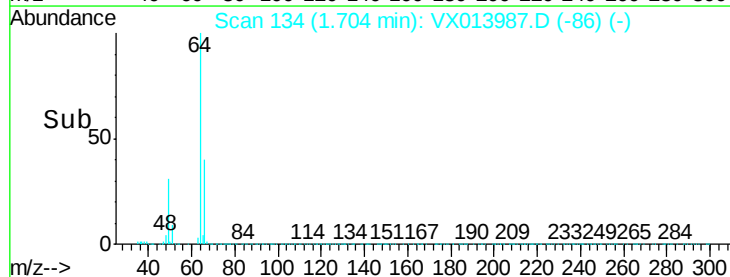
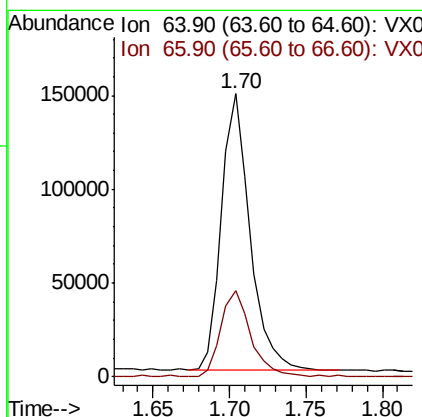
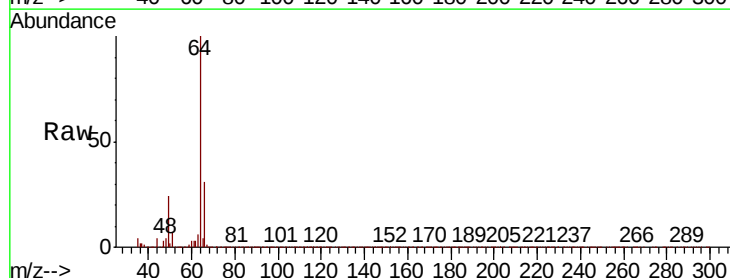
Acq: 12 Dec 2019 19:52

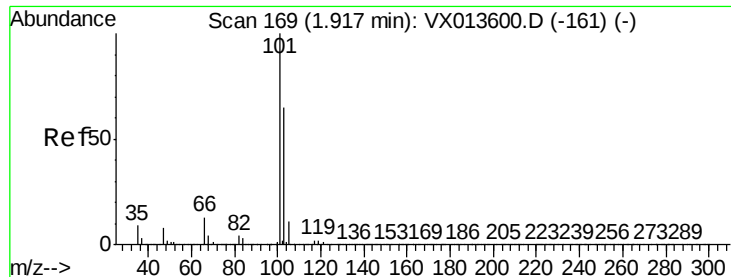
Tgt Ion: 64 Resp: 191457

Ion Ratio Lower Upper

64 100

66 31.0 26.7 40.1





#7

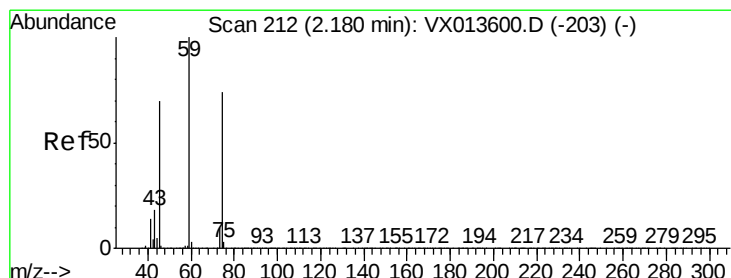
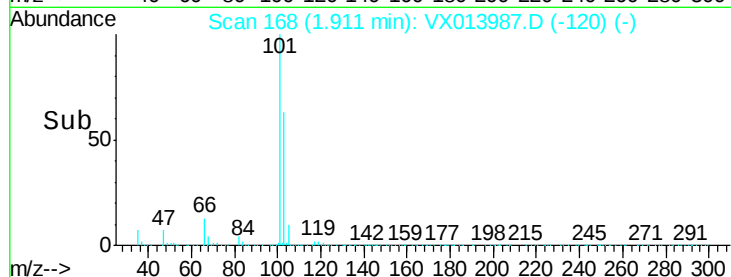
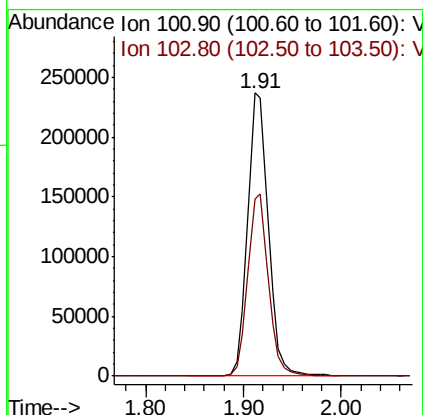
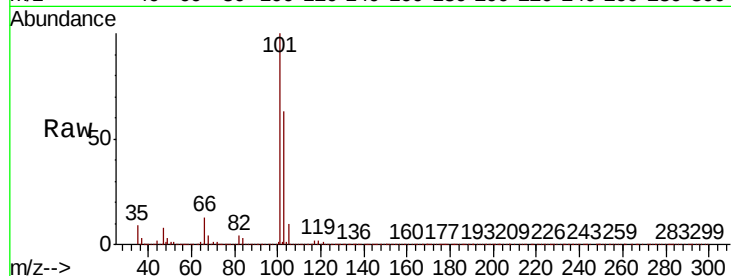
Trichlorofluoromethane
Concen: 45.584 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.8	77.6

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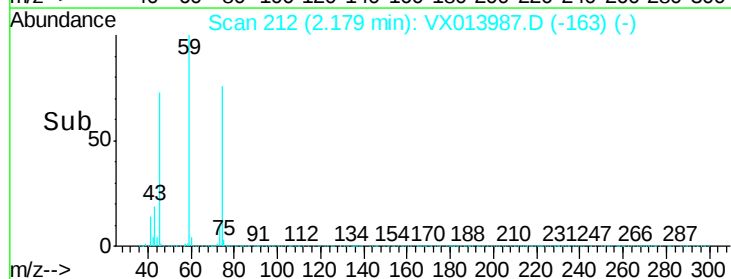
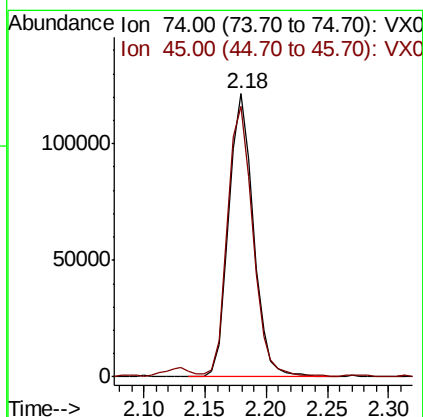
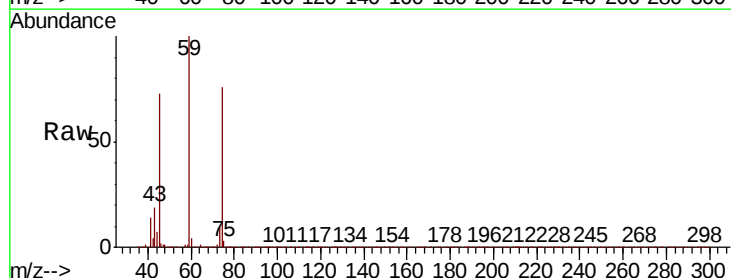
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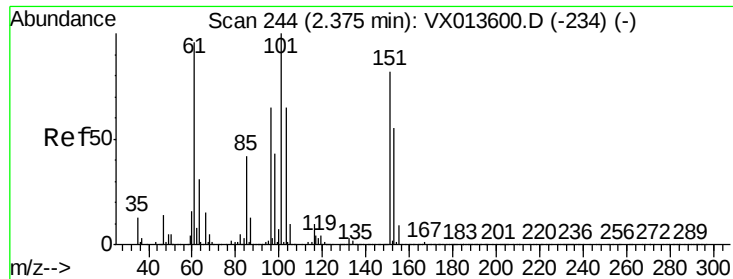


#8

Diethyl Ether
Concen: 48.717 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.601 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

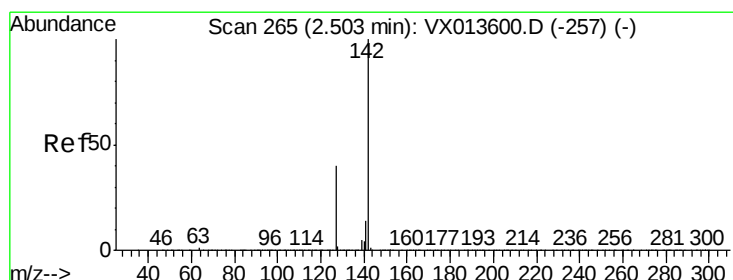
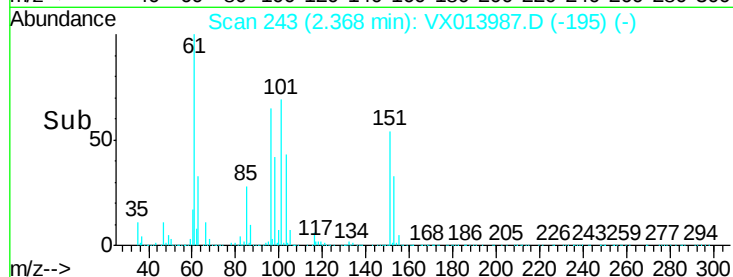
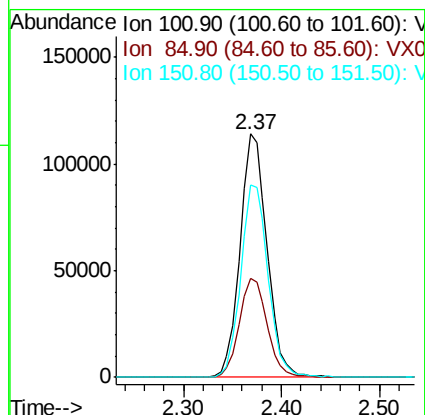
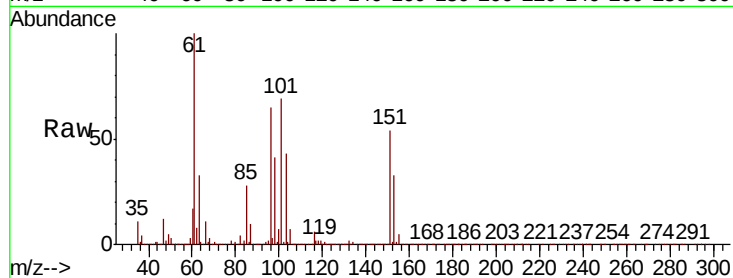
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:	101	Resp:	217757
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.9	50.9
151	80.4	64.2	96.2

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#10

Methyl Iodide

Concen: 52.613 ug/l

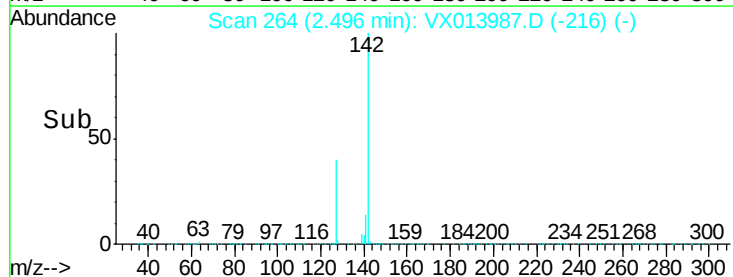
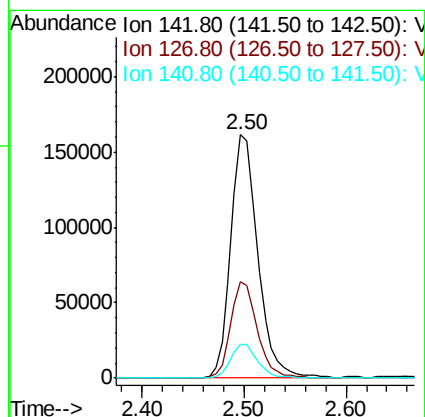
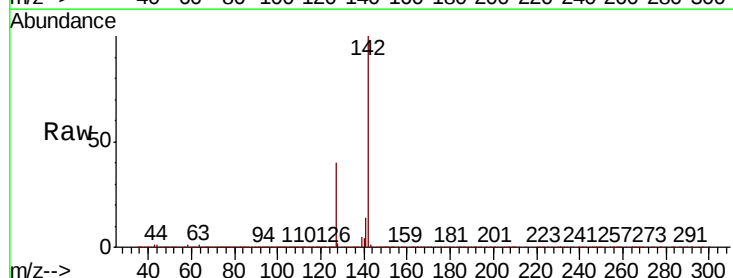
RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion:	142	Resp:	297397
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.0	46.4
141	14.0	11.6	17.4





#11

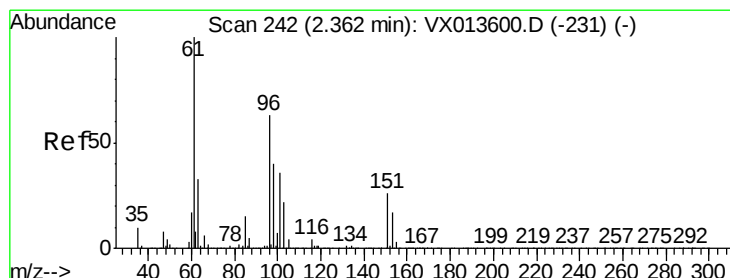
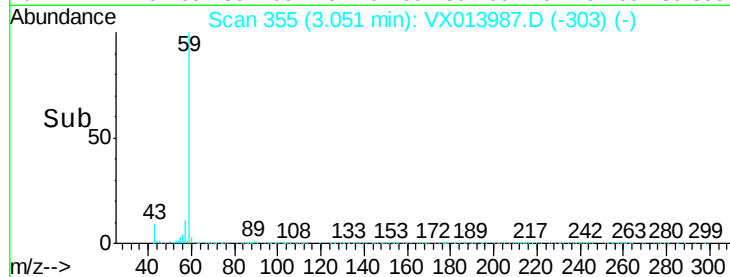
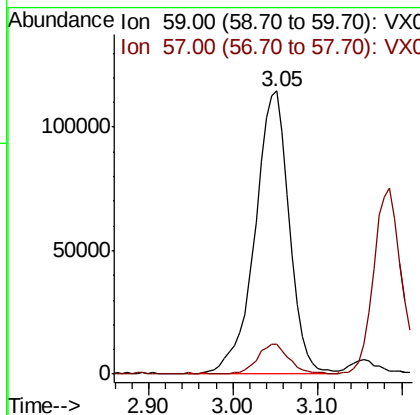
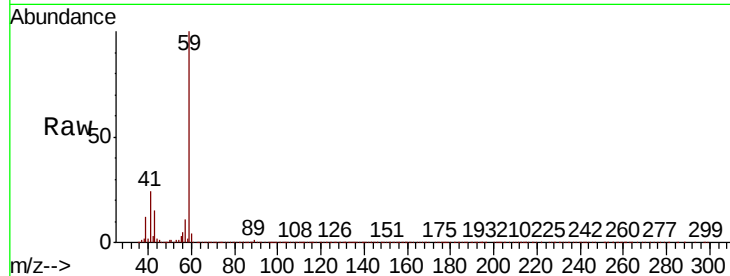
Tert butyl alcohol
Concen: 226.944 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.02 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.6

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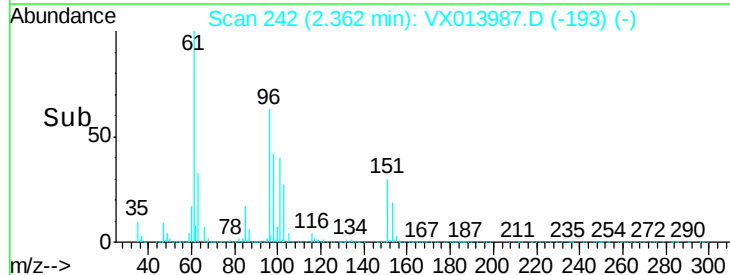
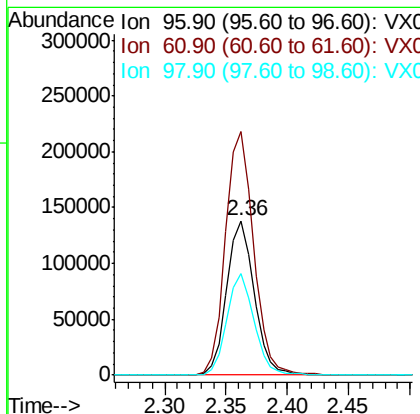
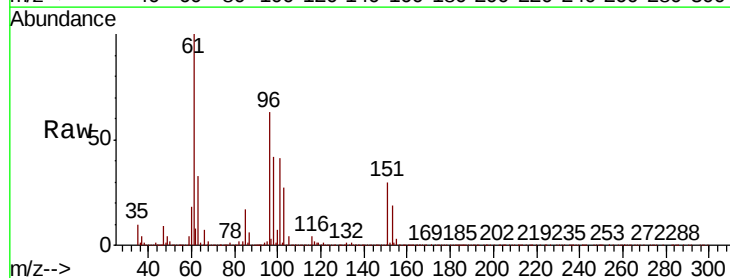
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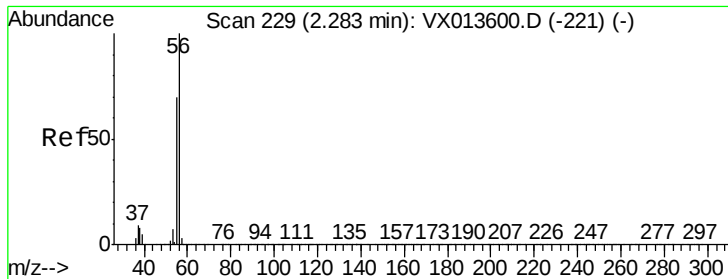


#12

1,1-Dichloroethene
Concen: 45.971 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	126.6	190.0
98	65.6	50.6	76.0





#13

Acrolein

Concen: 223.508 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion: 56 Resp: 209291

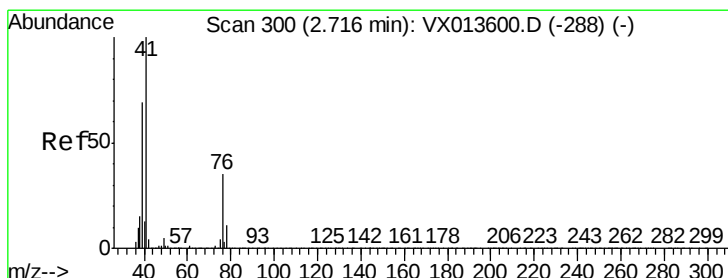
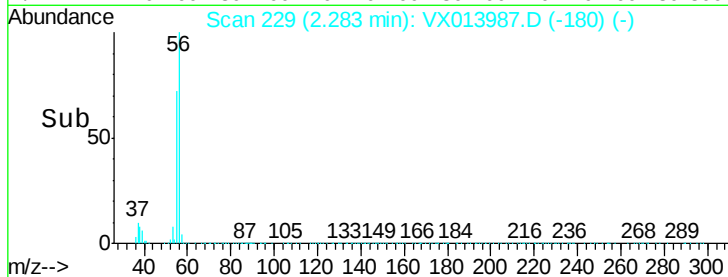
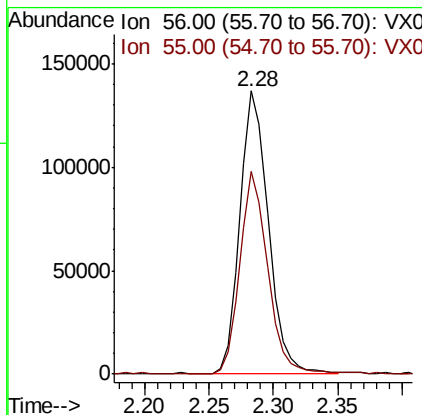
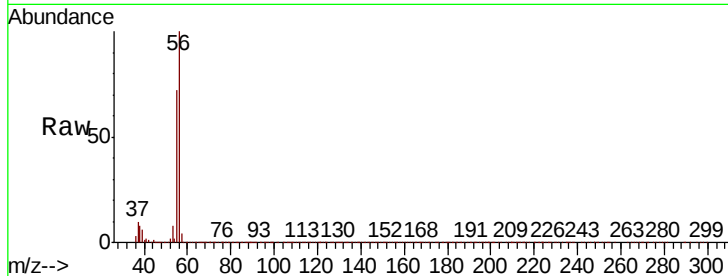
Ion Ratio Lower Upper

56 100

55 69.2 56.2 84.4

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#14

Allyl chloride

Concen: 46.770 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

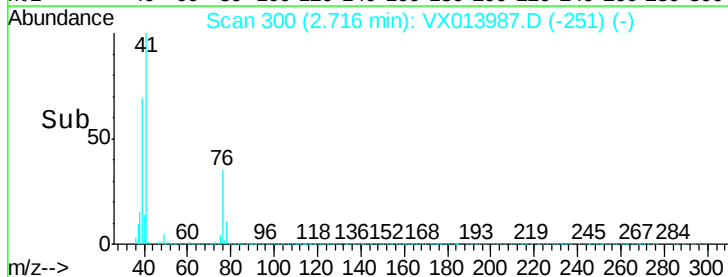
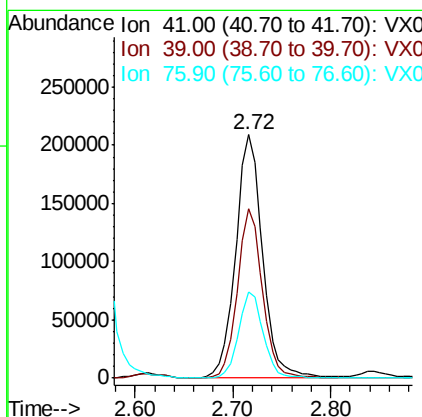
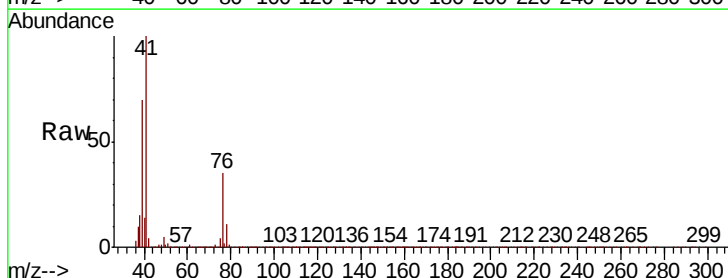
Tgt Ion: 41 Resp: 395883

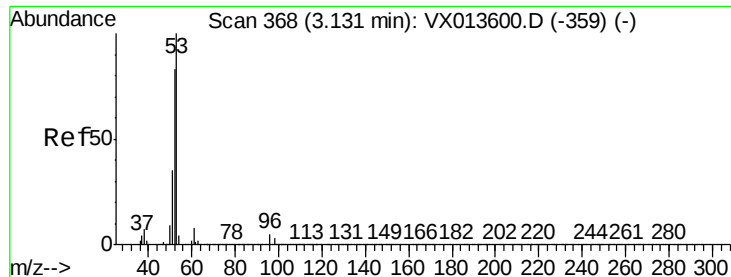
Ion Ratio Lower Upper

41 100

39 64.5 51.7 77.5

76 32.3 25.9 38.9





#15

Acrylonitrile

Concen: 242.218 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

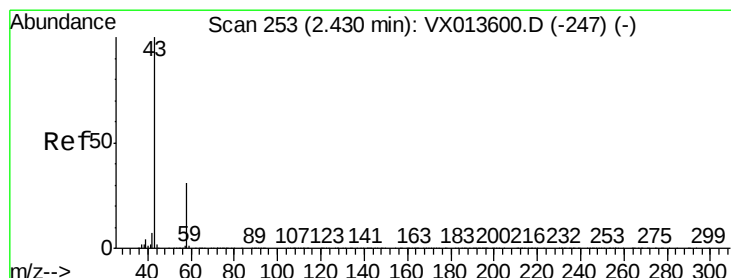
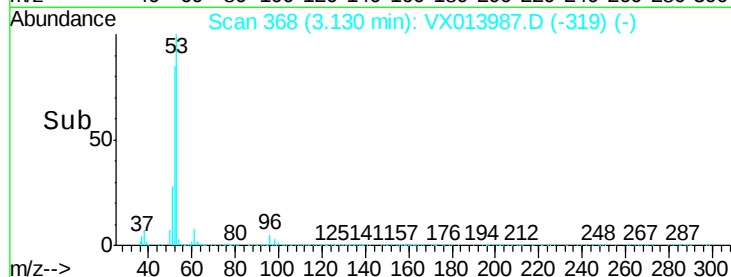
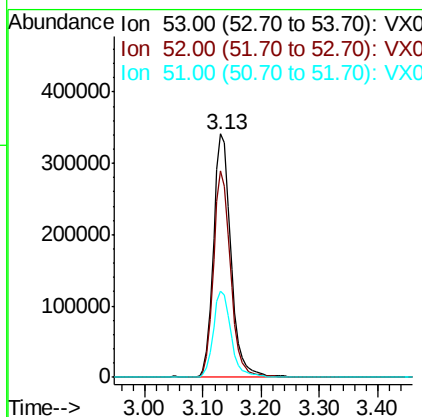
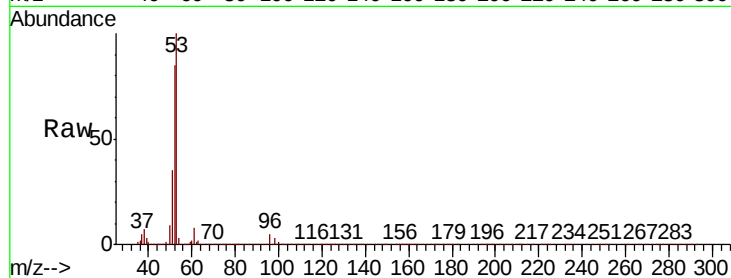
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:	53	Resp:	702104
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.2	99.2
51	36.1	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 210.199 ug/l

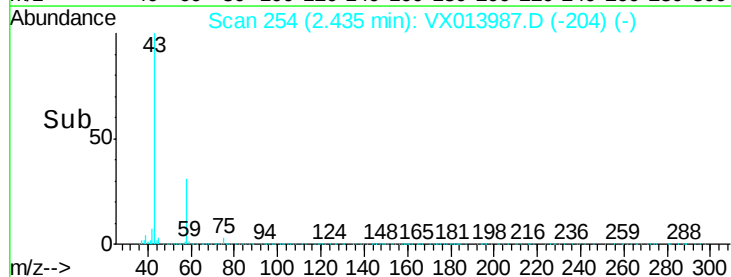
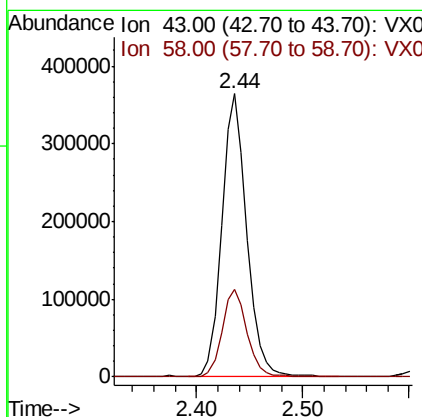
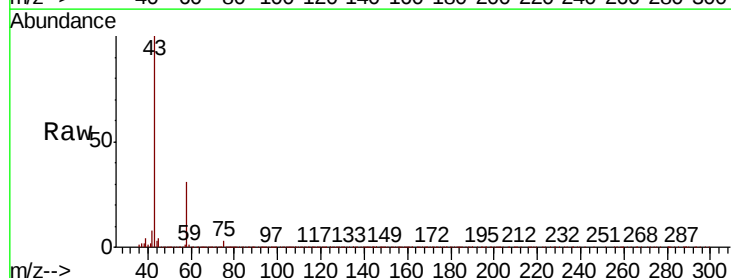
RT: 2.44 min Scan# 254

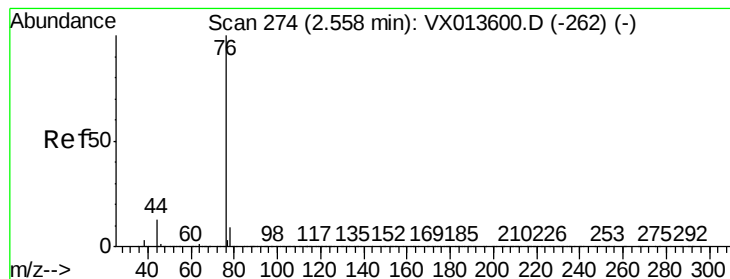
Delta R.T. 0.01 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion:	43	Resp:	590405
Ion Ratio		Lower	Upper
43	100		
58	30.7	24.6	36.8





#17

Carbon Disulfide

Concen: 38.054 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion: 76 Resp: 505980

Ion Ratio Lower Upper

76 100

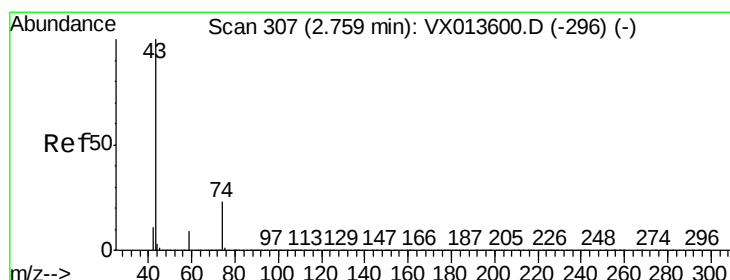
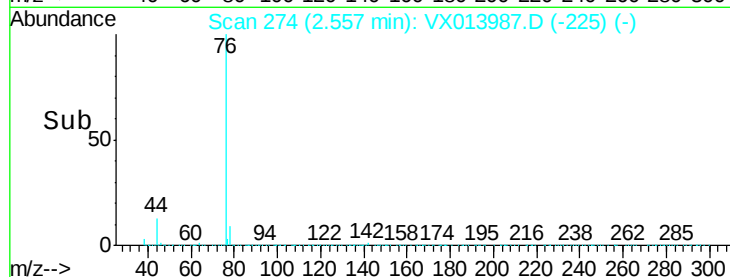
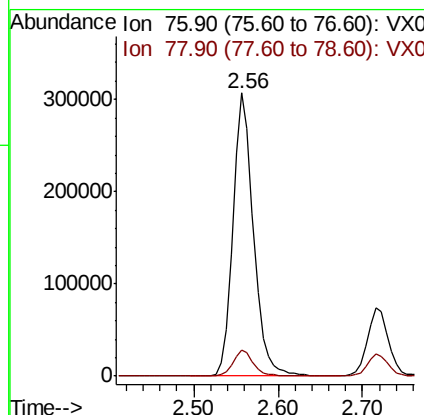
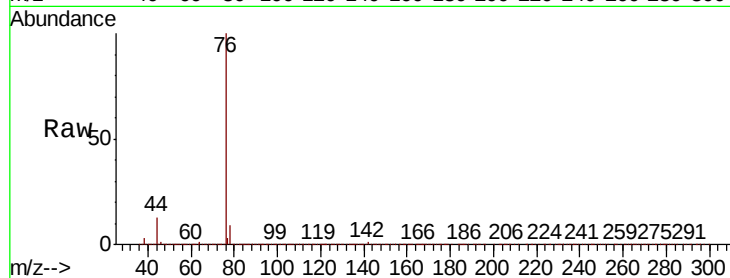
78 8.9 7.2 10.8

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#18

Methyl Acetate

Concen: 50.171 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013987.D

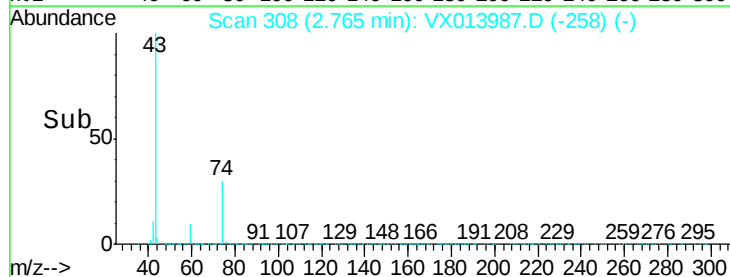
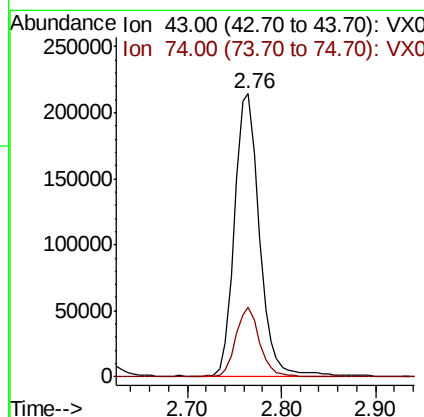
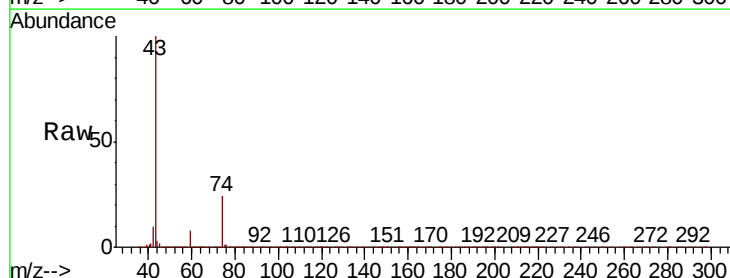
Acq: 12 Dec 2019 19:52

Tgt Ion: 43 Resp: 392406

Ion Ratio Lower Upper

43 100

74 23.9 19.5 29.3





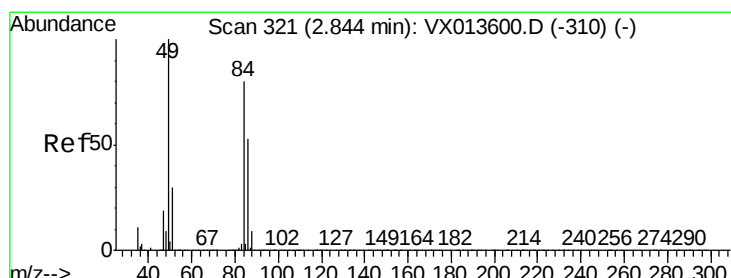
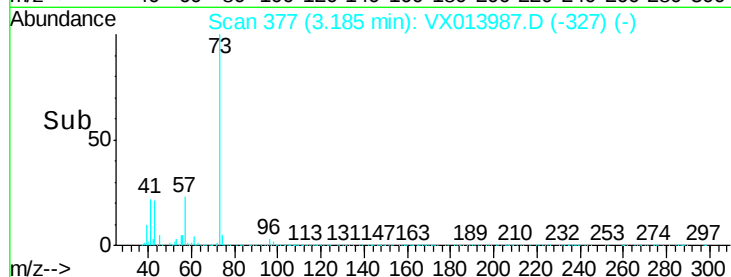
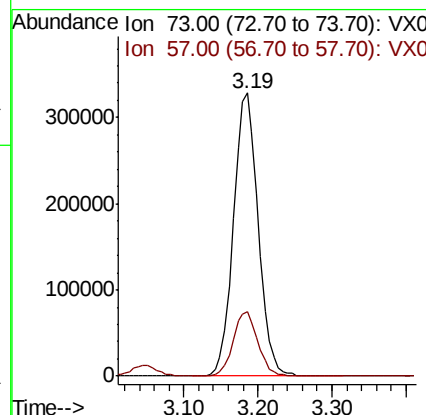
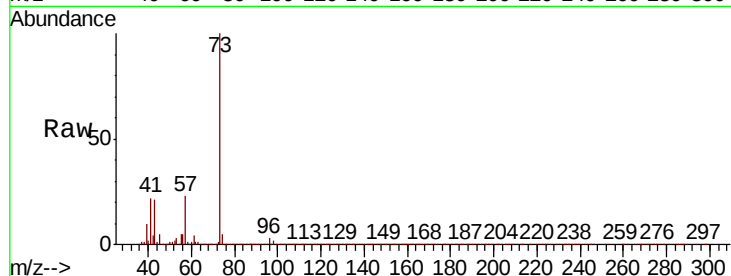
#19
Methvl tert-butvl Ether
Concen: 49.287 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5

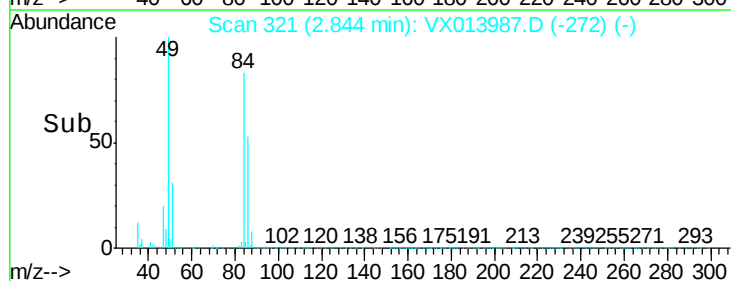
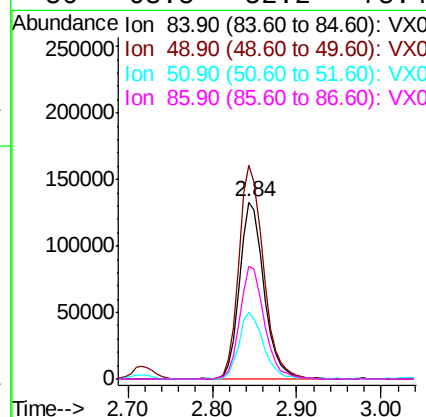
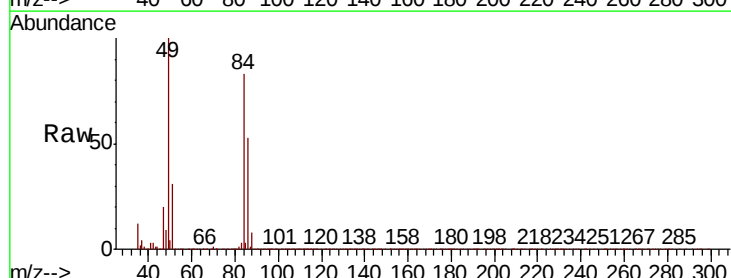
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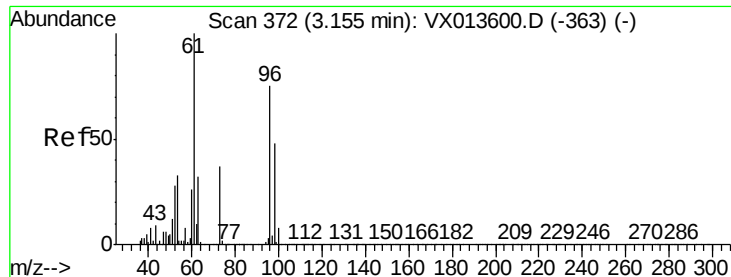
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#20
Methylene Chloride
Concen: 48.131 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	99.7	149.5
51	37.3	29.9	44.9
86	63.5	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 45.407 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

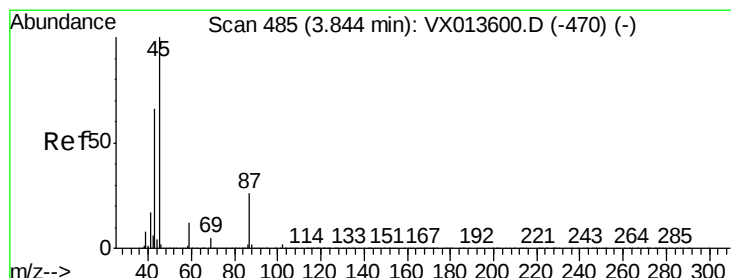
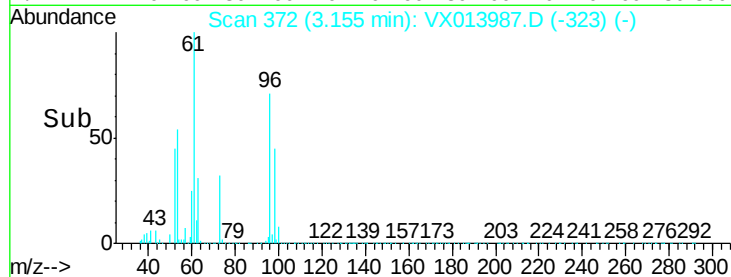
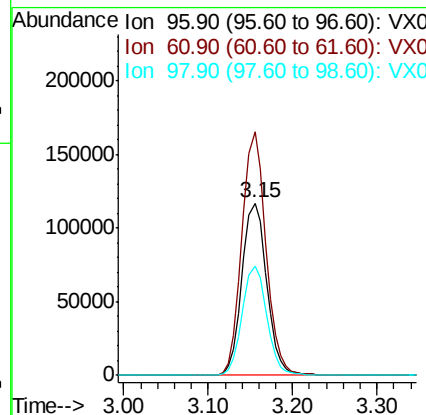
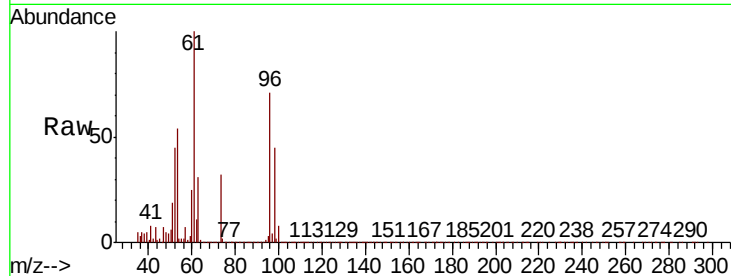
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:	96	Resp:	230724
Ion	Ratio	Lower	Upper
96	100		
61	141.1	107.2	160.8
98	63.4	51.4	77.0

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#22

Diisopropyl ether

Concen: 50.936 ug/l

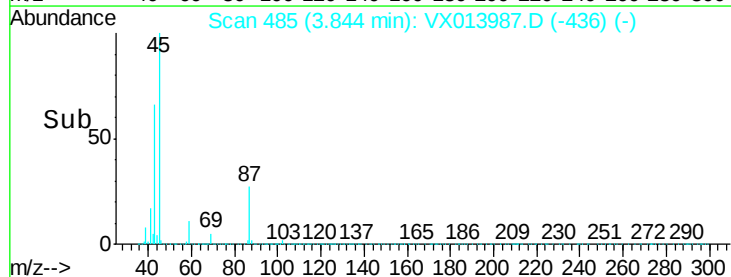
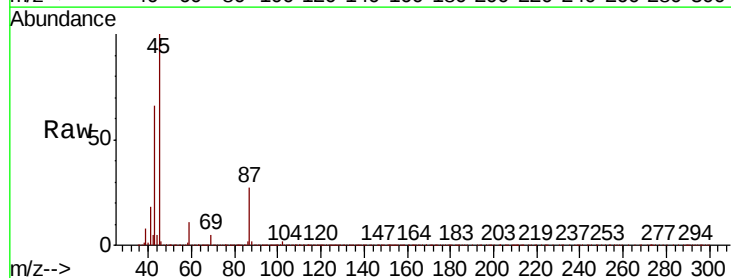
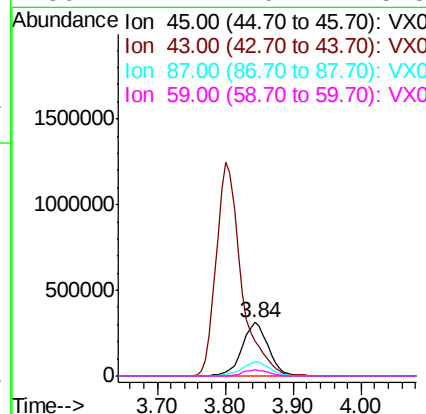
RT: 3.84 min Scan# 485

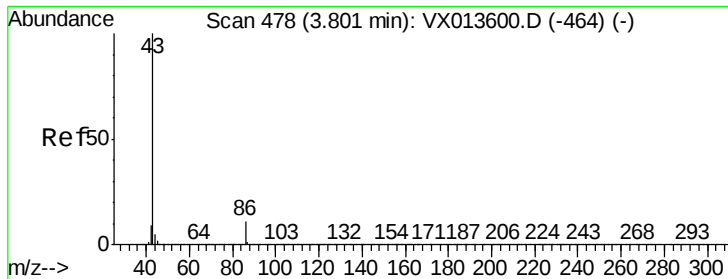
Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion:	45	Resp:	830185
Ion	Ratio	Lower	Upper
45	100		
43	65.6	52.6	79.0
87	27.1	21.1	31.7
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 235.832 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MS

Tot Ion: 43 Resp: 3197600

Ion Ratio Lower Upper

43 100

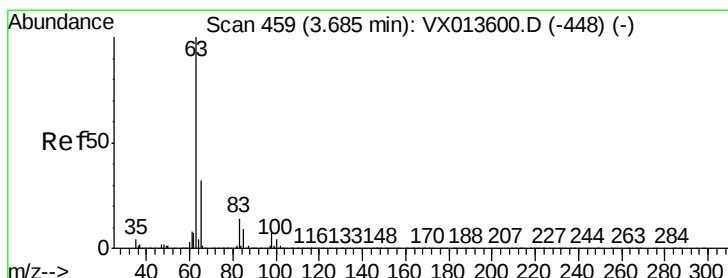
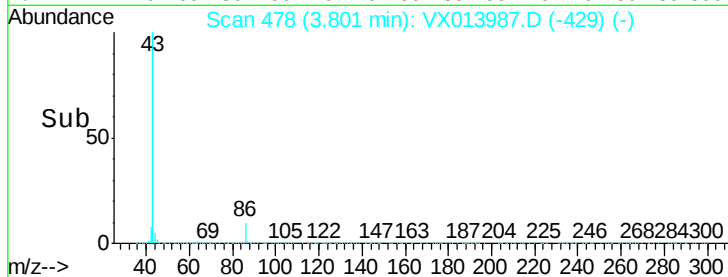
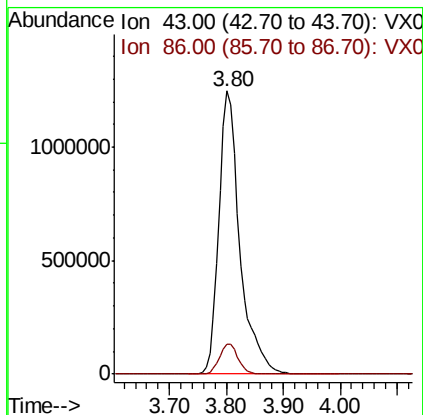
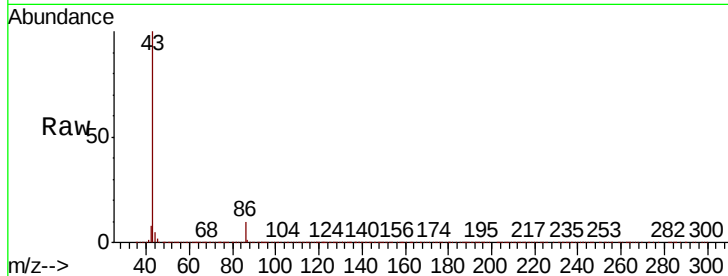
86 10.4 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 62.211 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

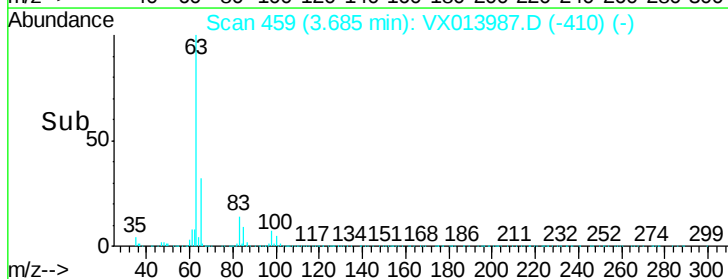
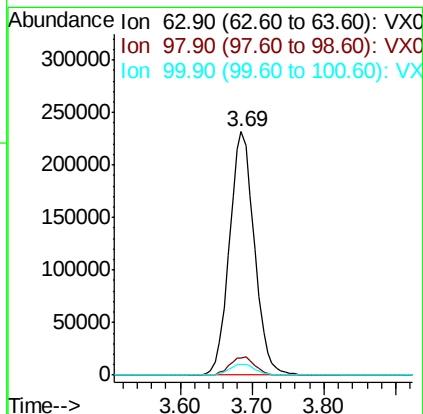
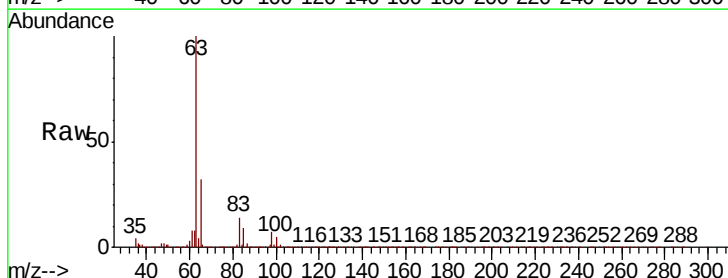
Tgt Ion: 63 Resp: 554291

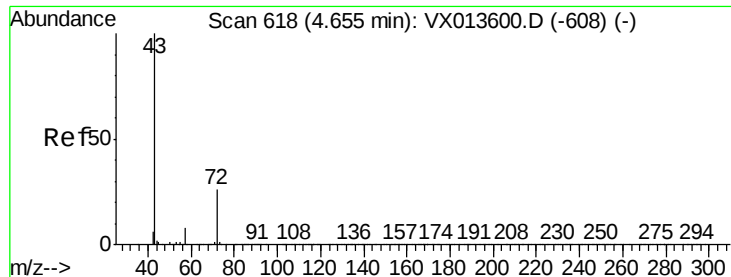
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 233.484 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion: 43 Resp: 974658

Ion Ratio Lower Upper

43 100

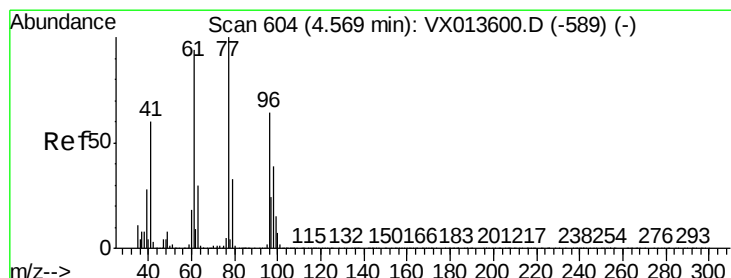
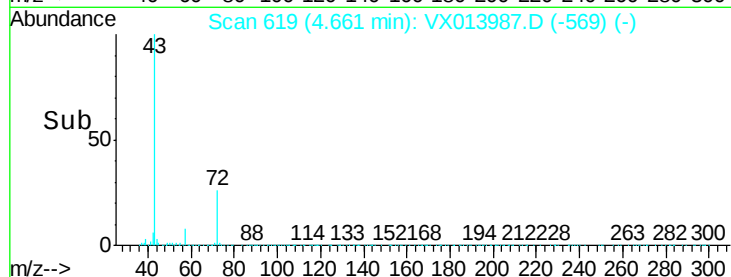
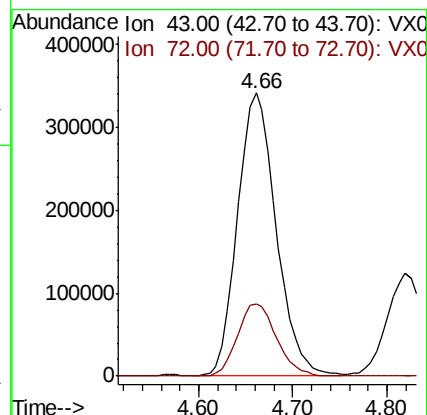
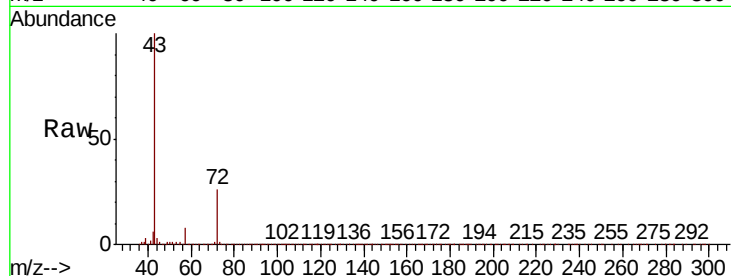
72 25.4 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 42.792 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013987.D

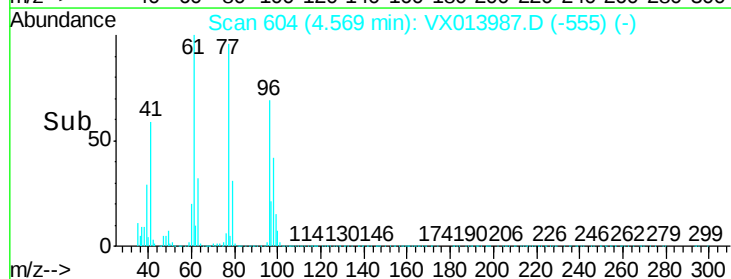
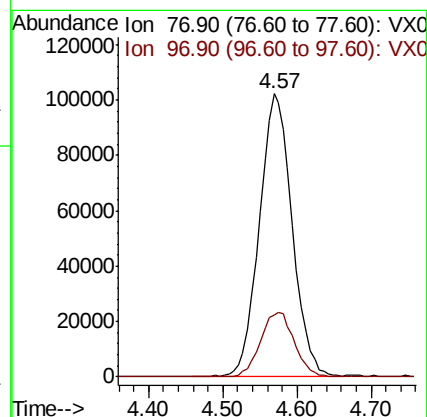
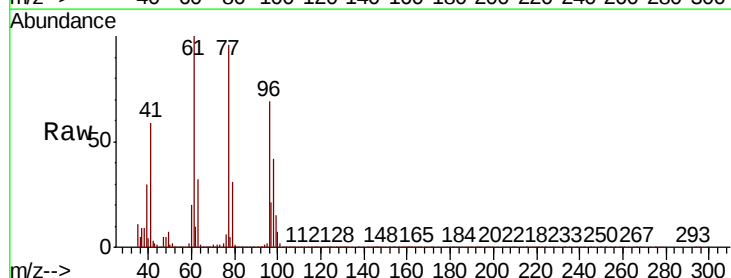
Acq: 12 Dec 2019 19:52

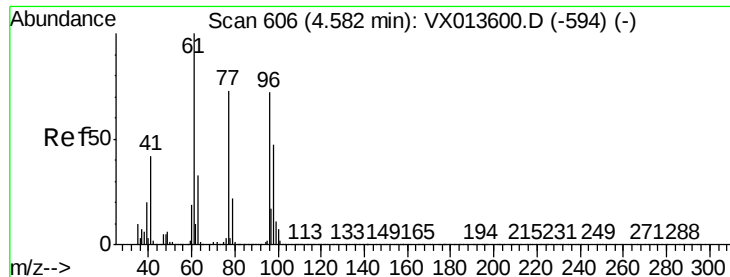
Tgt Ion: 77 Resp: 315454

Ion Ratio Lower Upper

77 100

97 23.5 12.0 36.1





#27

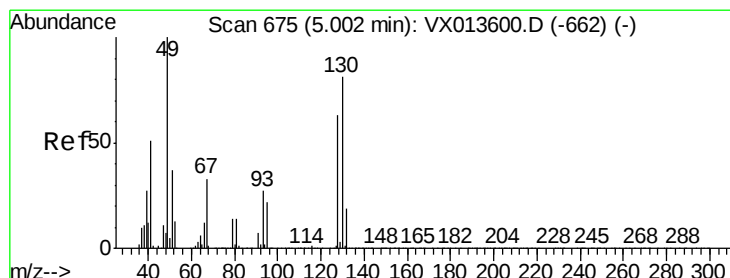
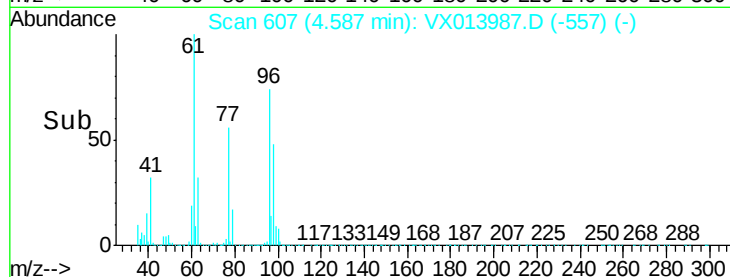
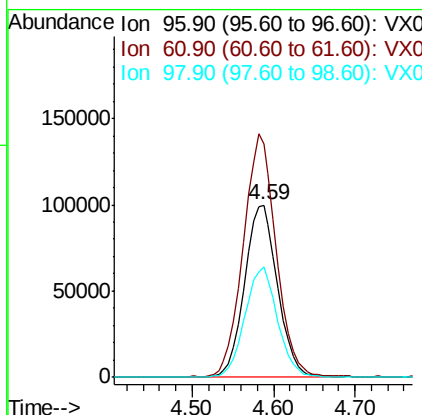
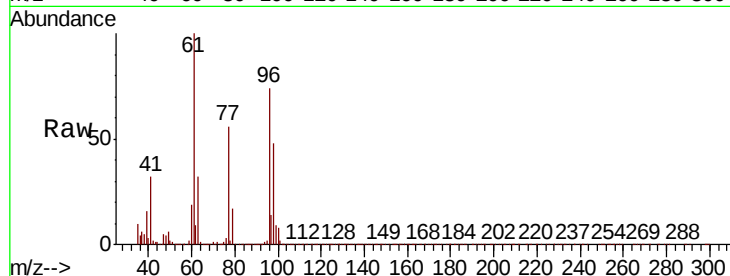
cis-1,2-Dichloroethene
Concen: 47.972 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	279928		
61	140.4	0.0	286.4	
98	63.5	0.0	127.4	

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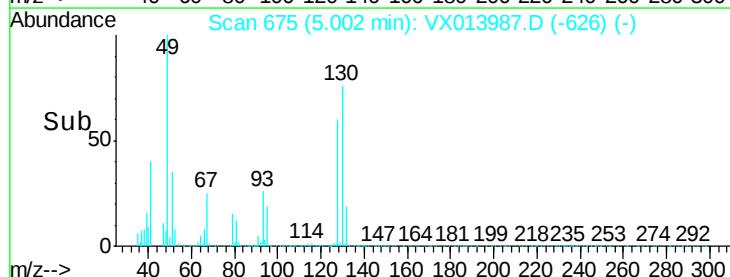
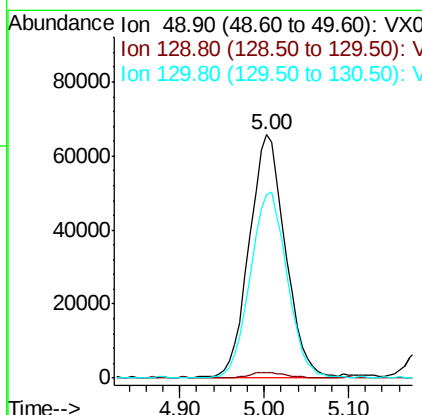
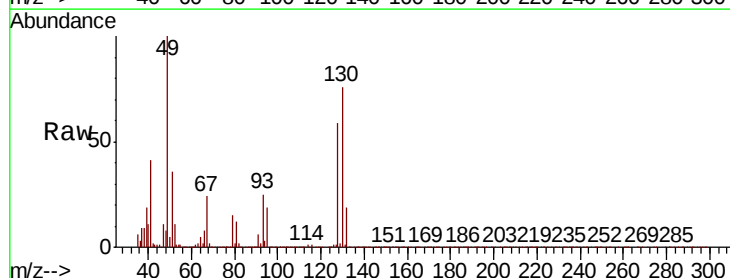
apatel
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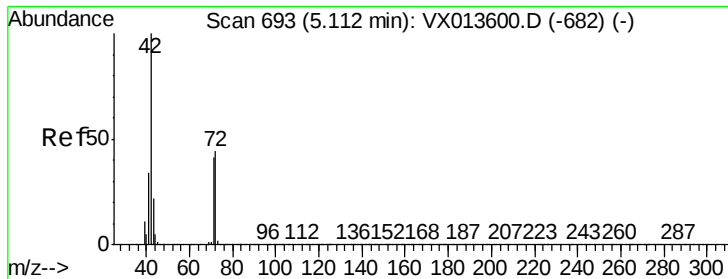


#28

Bromochloromethane
Concen: 54.207 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	190858		
129	2.4	0.0	5.0	
130	79.1	65.4	98.0	





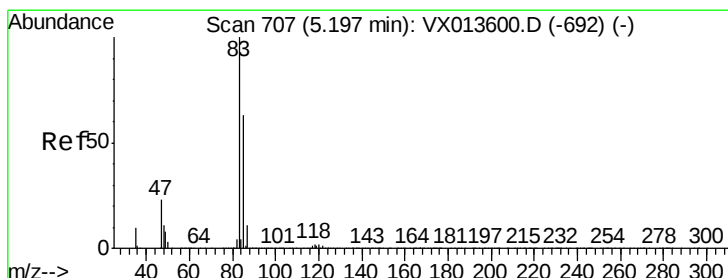
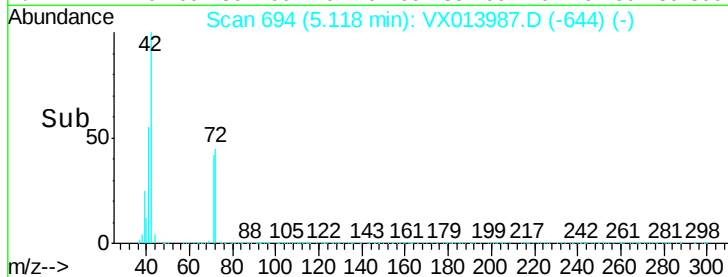
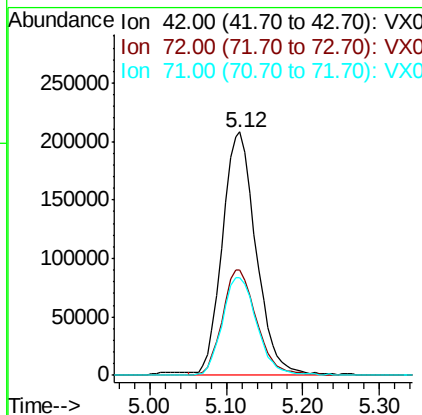
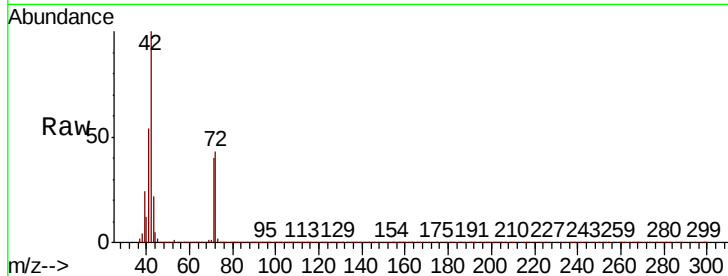
#29
Tetrahydrofuran
Concen: 244.231 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	36.3	54.5
71	41.4	33.2	49.8

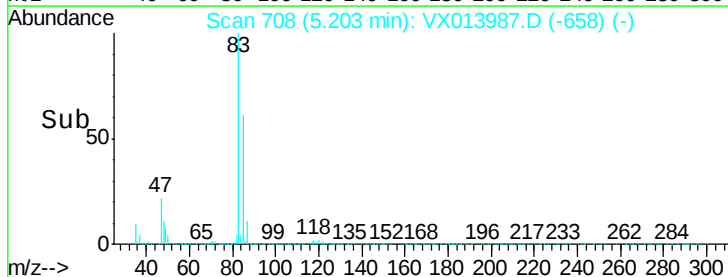
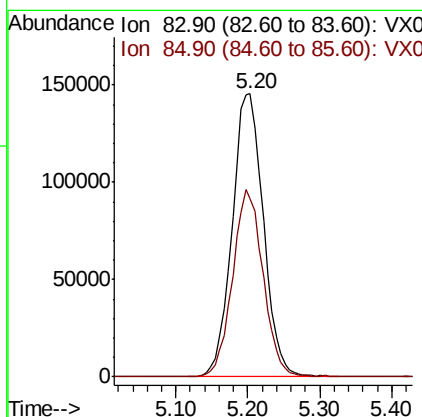
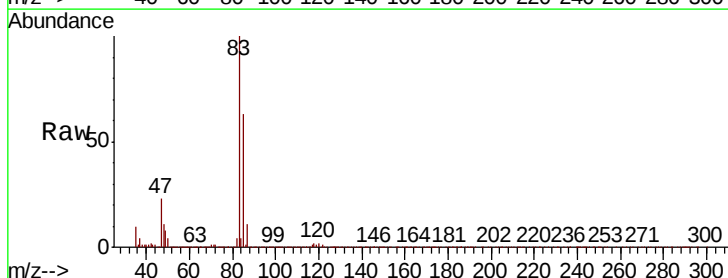
Manual Integrations
APPROVED

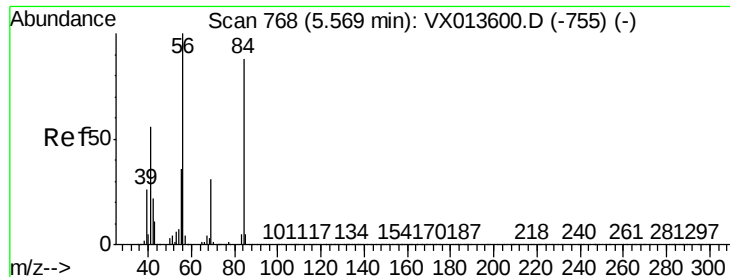
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#30
Chloroform
Concen: 48.579 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.2	75.4





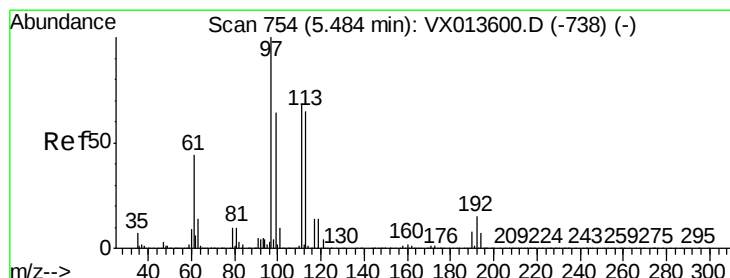
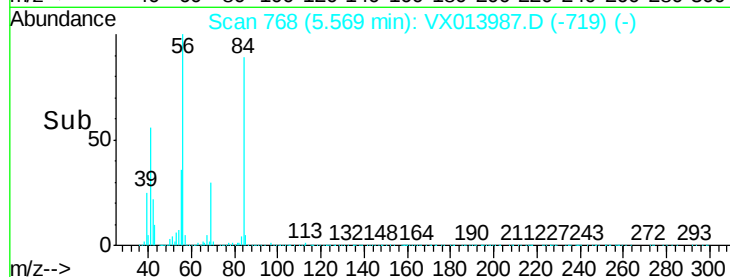
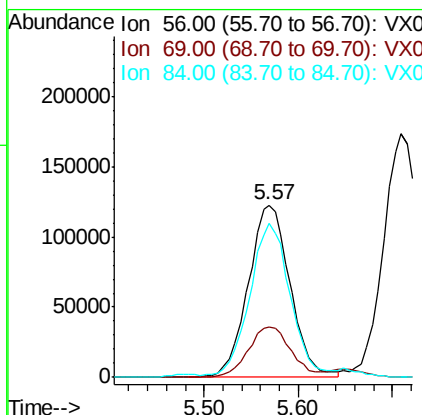
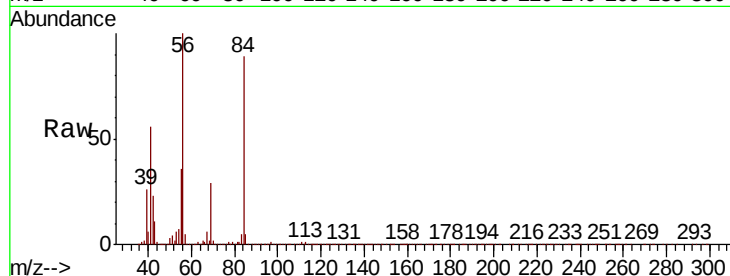
#31
Cyclohexane
Concen: 44.908 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.6	36.8
84	87.7	70.0	105.0

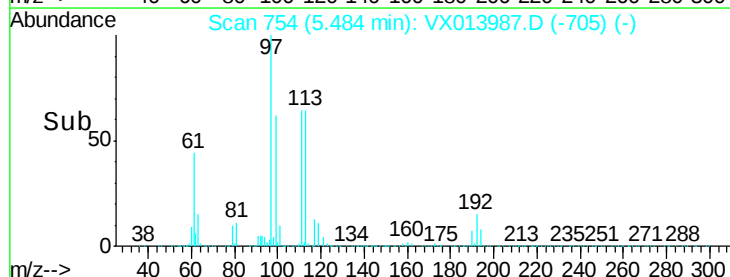
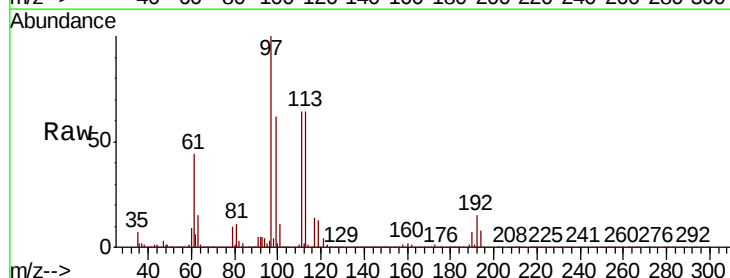
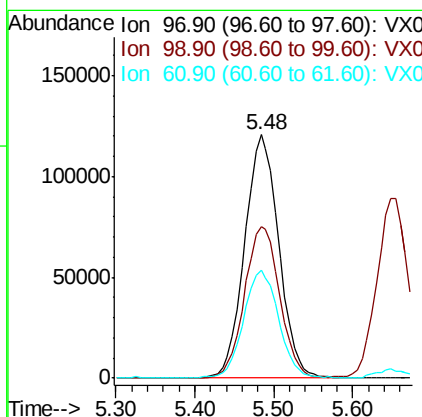
Manual Integrations
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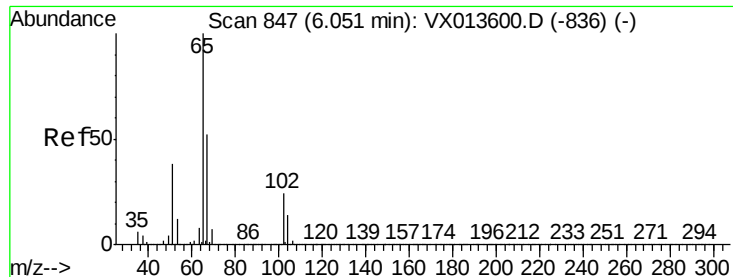
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#32
1,1,1-Trichloroethane
Concen: 47.983 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	46.0	36.1	54.1





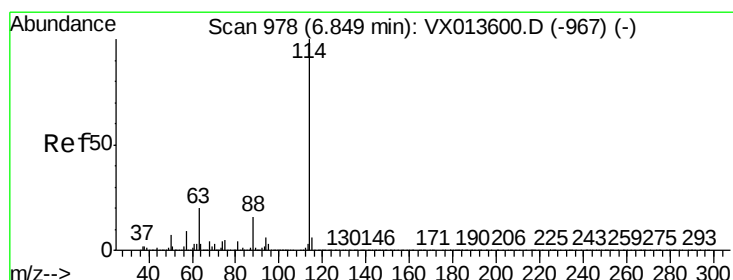
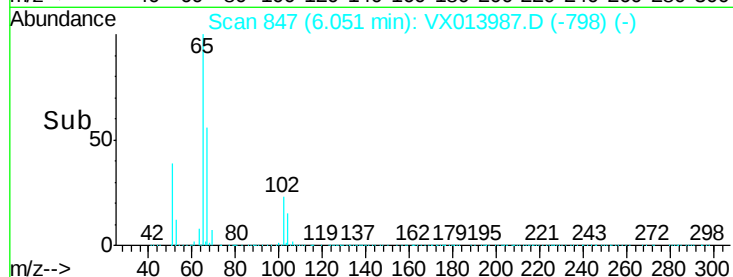
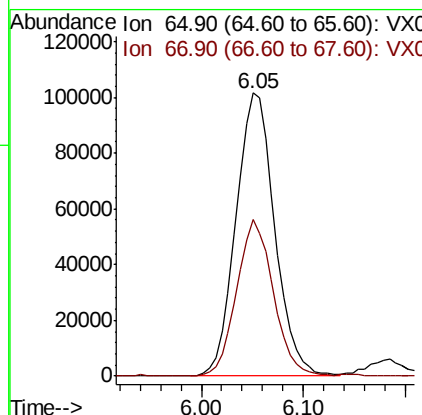
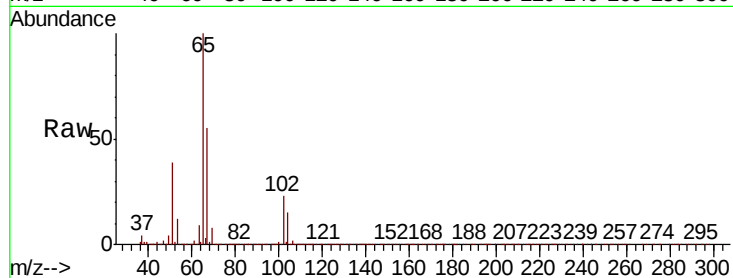
#33
 1,2-Dichloroethane-d4
 Concen: 46.930 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266991		
67	52.1	0.0	104.4	

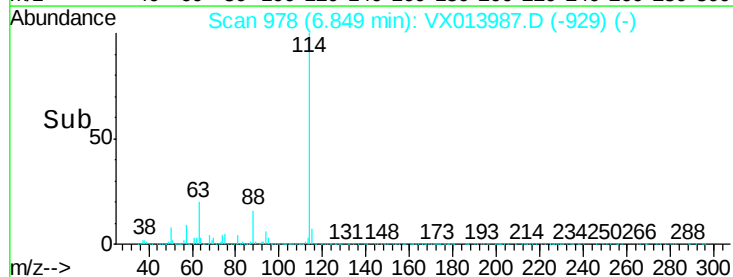
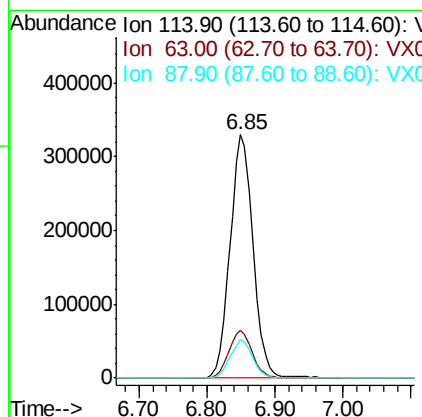
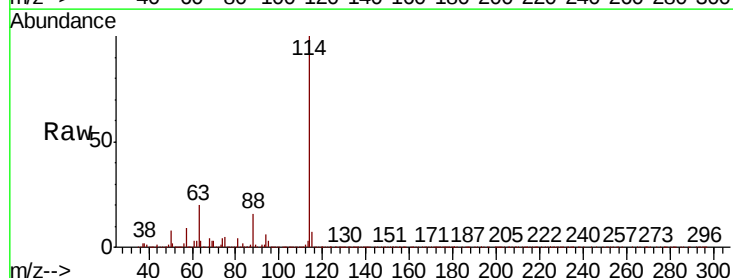
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	771654		
63	19.7	0.0	39.6	
88	16.2	0.0	31.4	





#35

Dibromofluoromethane

Concen: 47.005 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

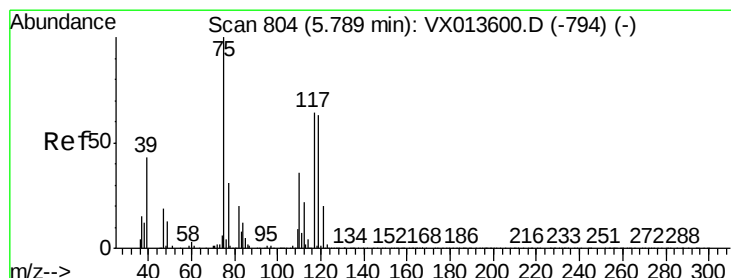
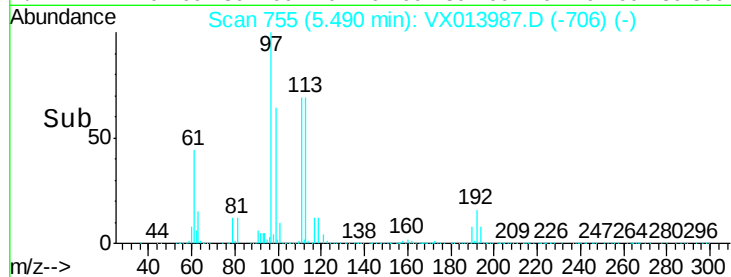
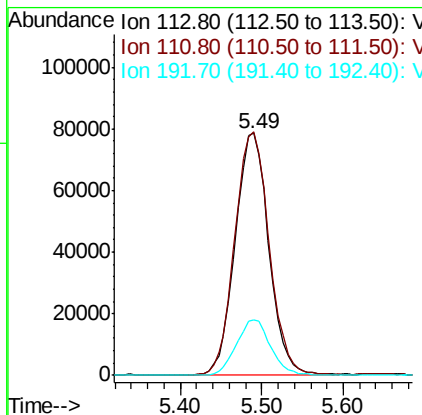
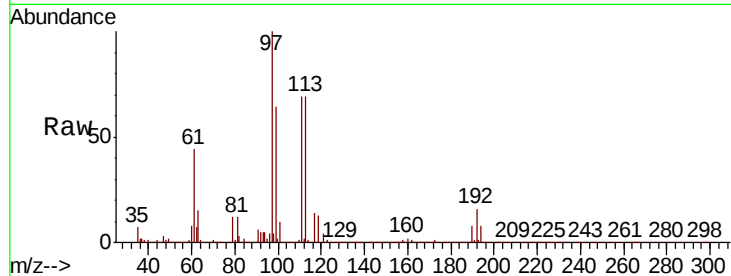
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:	113	Resp:	224234
Ion Ratio	Lower	Upper	
113	100		
111	102.8	83.6	125.4
192	23.6	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 44.849 ug/l

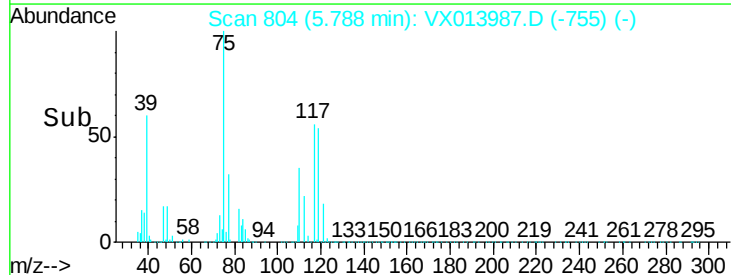
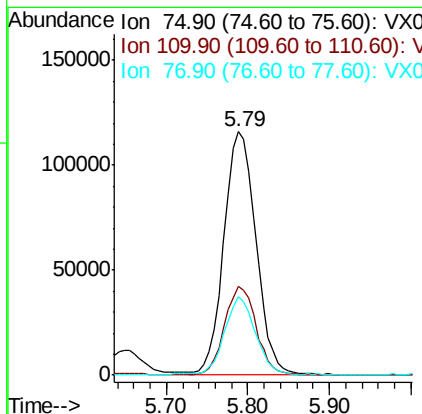
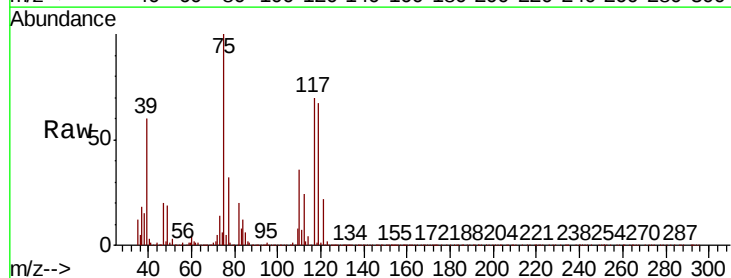
RT: 5.79 min Scan# 804

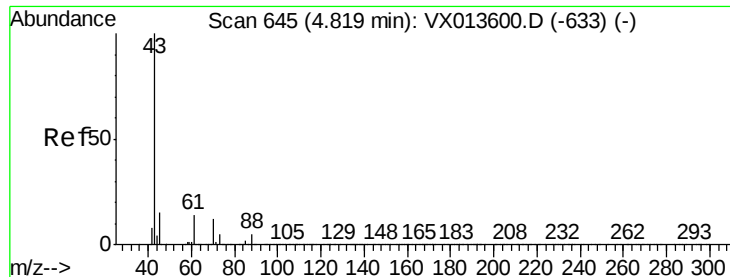
Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion:	75	Resp:	314154
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.1
77	31.2	24.5	36.7





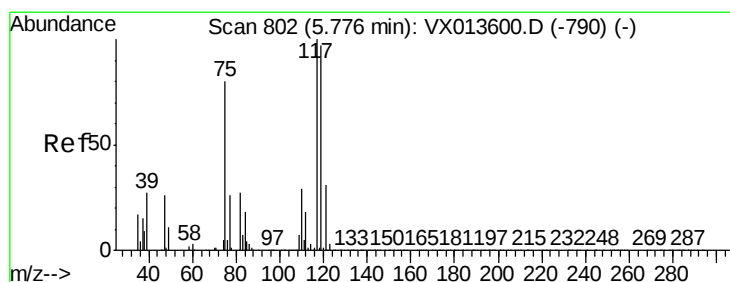
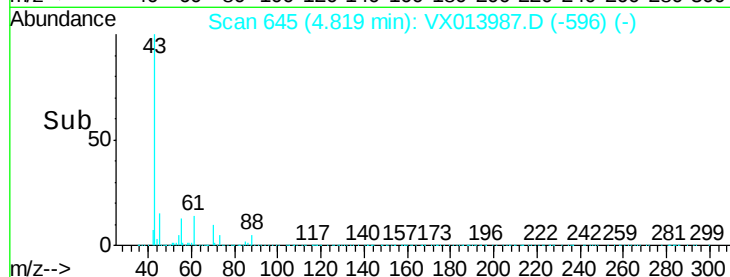
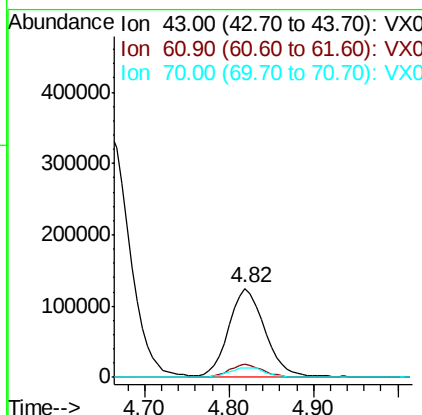
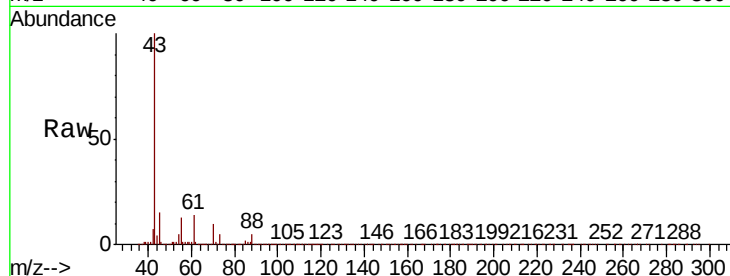
#37
Ethyl Acetate
Concen: 45.852 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion:	43	Resp:	360316
Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	10.7	8.6	12.8

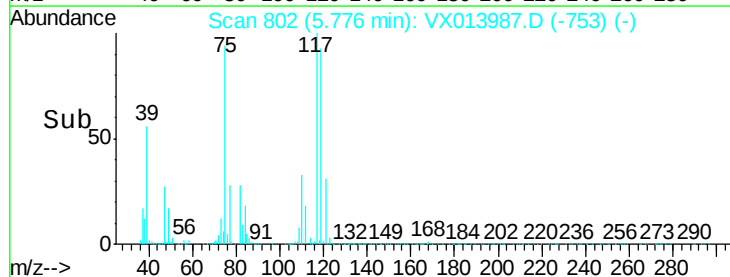
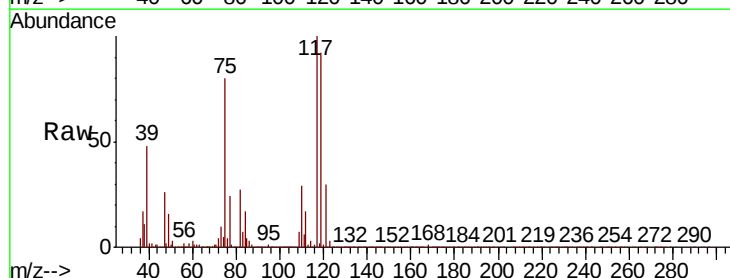
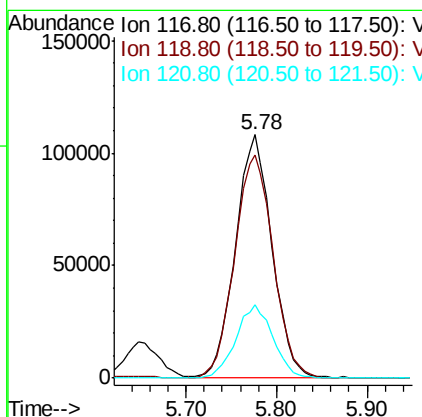
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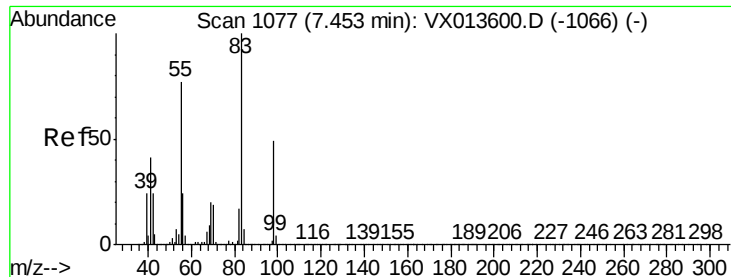
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#38
Carbon Tetrachloride
Concen: 46.552 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion:	117	Resp:	300678
Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.5	116.3
121	30.1	25.0	37.6





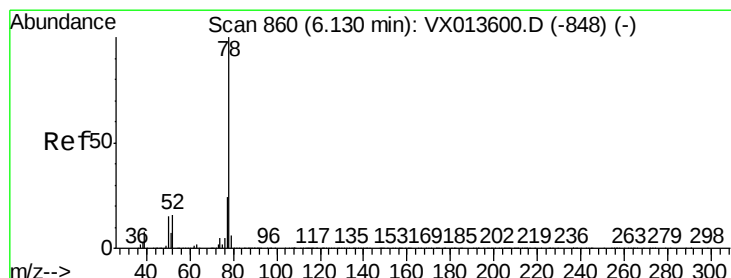
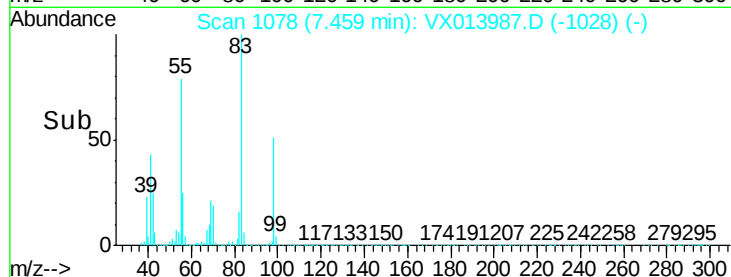
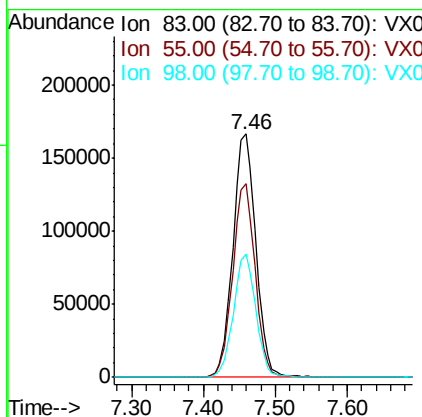
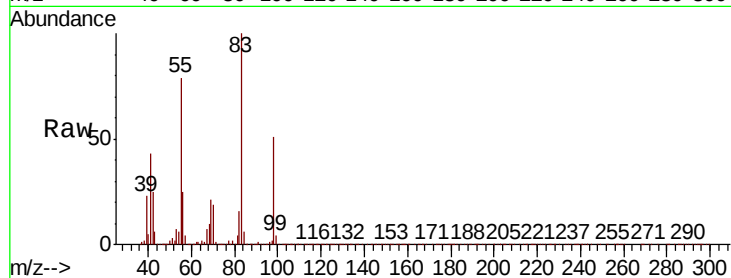
#39
Methvlcvclohexane
Concen: 42.549 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	61.9	92.9
98	50.5	39.4	59.0

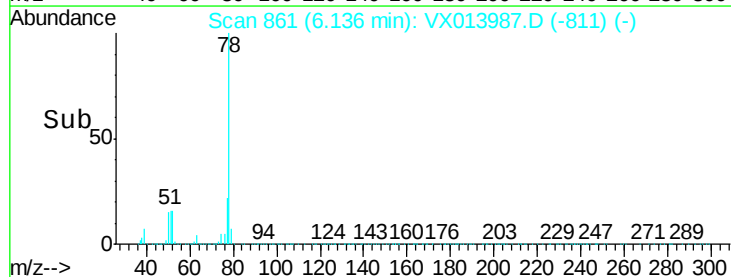
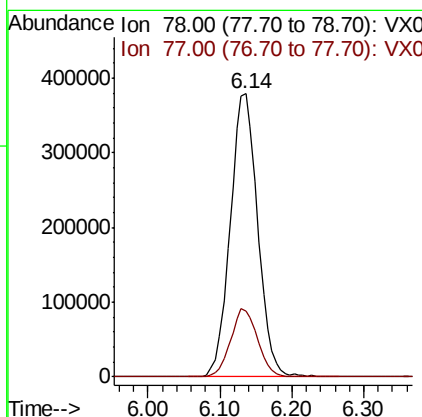
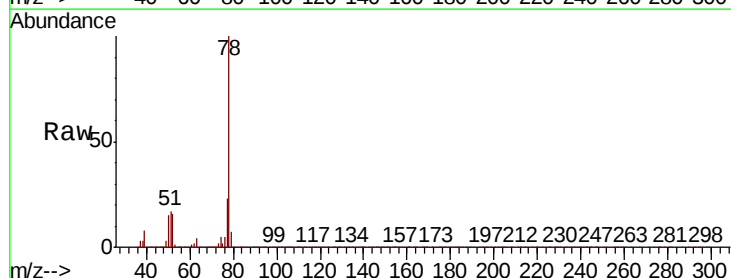
Manual Integrations
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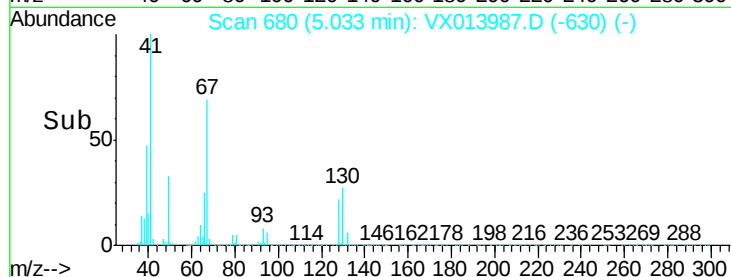
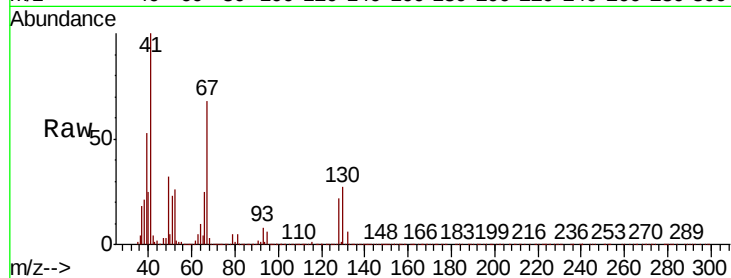
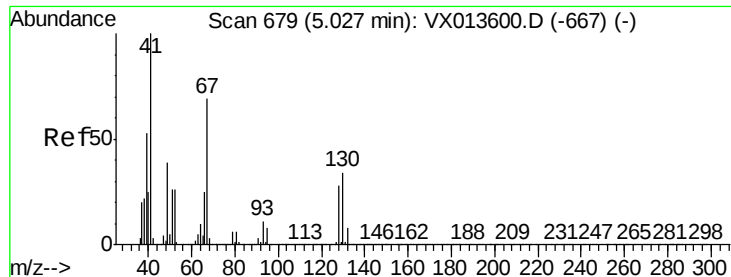
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#40
Benzene
Concen: 46.929 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





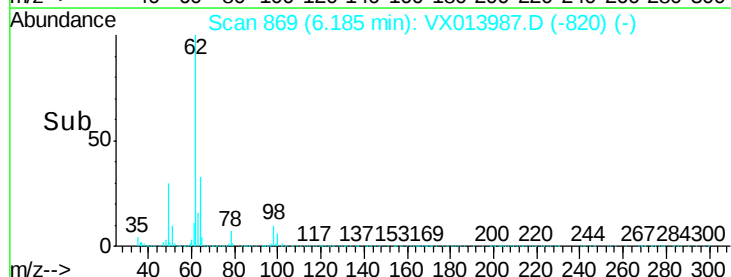
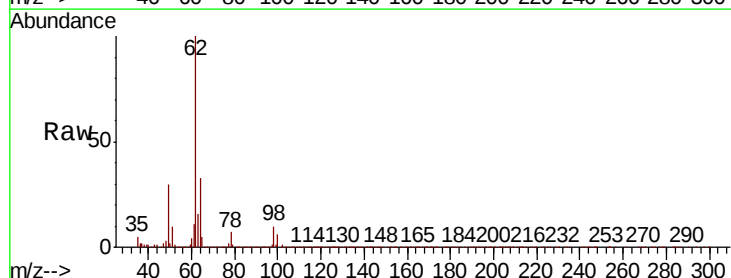
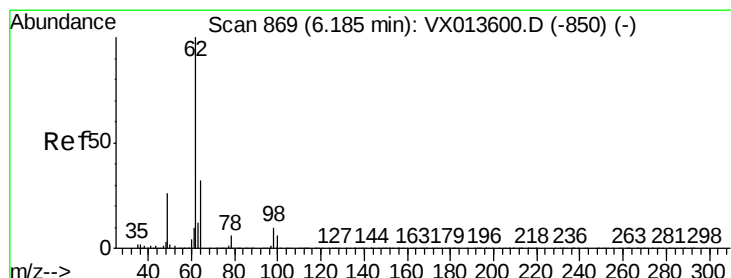
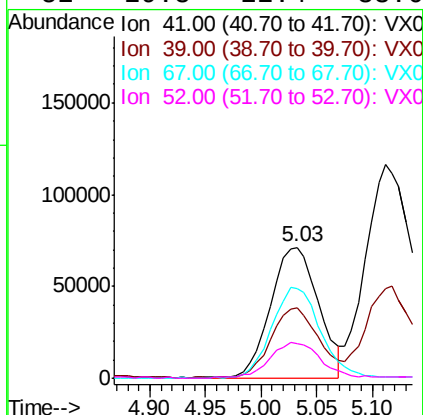
#41
Methacrylonitrile
Concen: 49.286 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		212402		
39	54.6	42.9	64.3		
67	70.7	57.4	86.0		
52	29.8	22.4	33.6		

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

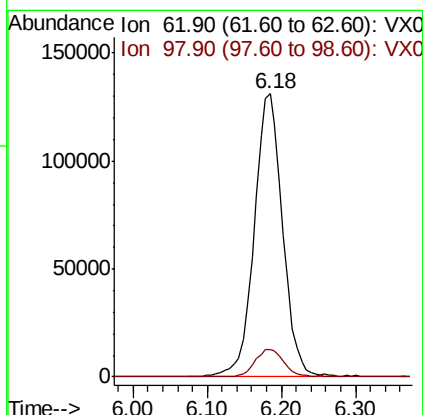
Manual Integrations
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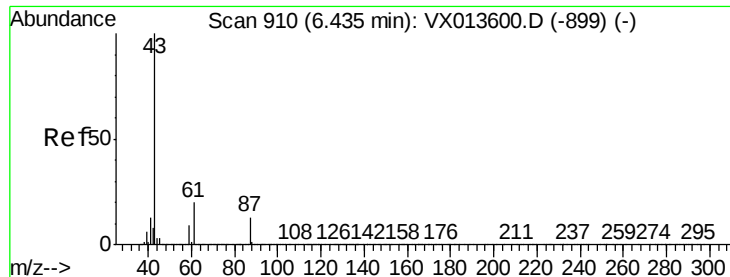
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#42
1,2-Dichloroethane
Concen: 47.616 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		346440		
98	9.9	0.0	20.8		





#43

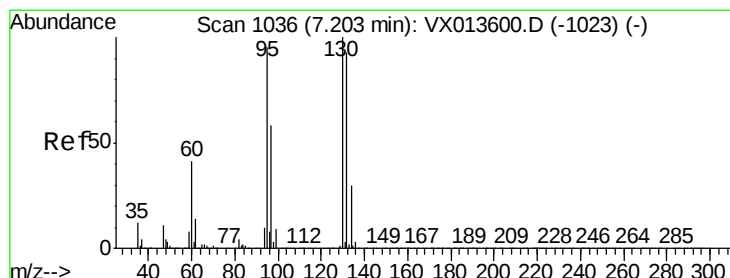
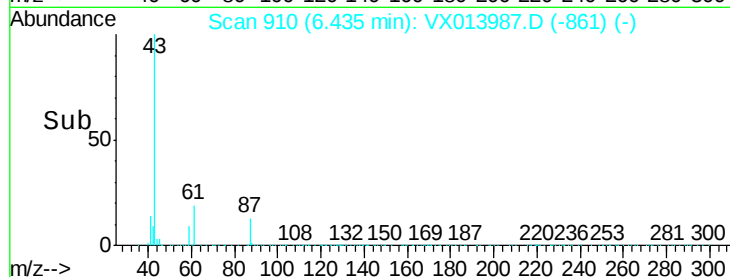
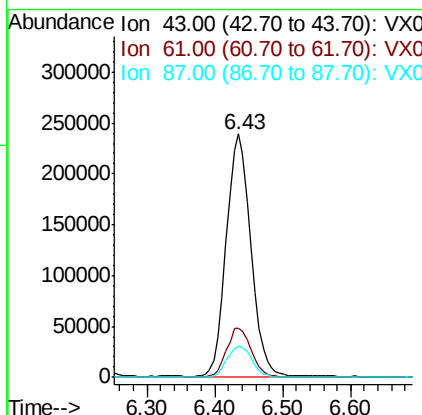
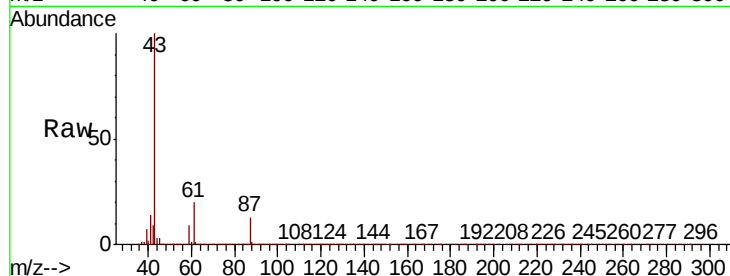
Isopropyl Acetate
 Concen: 46.177 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.3	24.5
87	13.2	10.8	16.2

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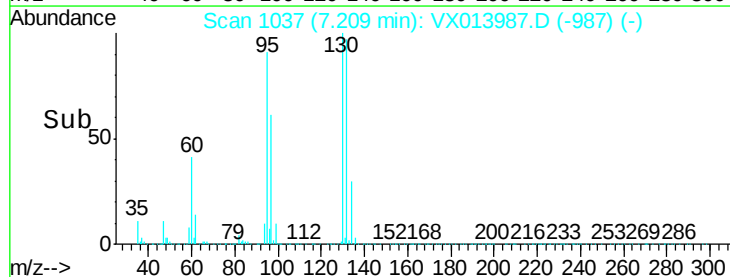
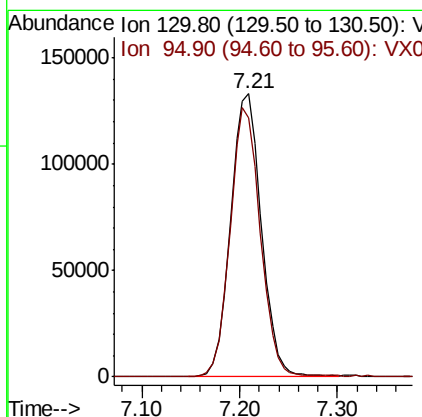
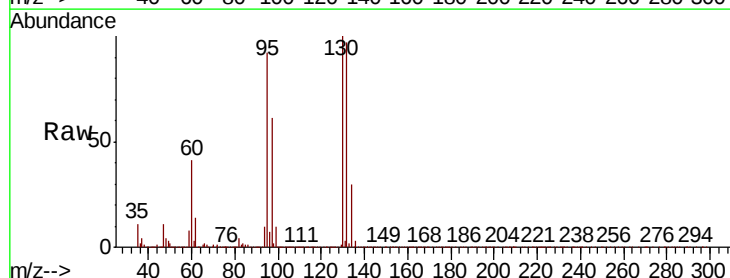
apatel
 12/13/2019 11:25:24 AM

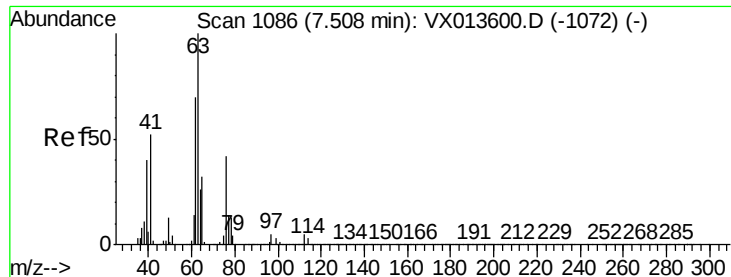


#44

Trichloroethene
 Concen: 49.474 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	190.8





#45

1,2-Dichloropropane

Concen: 49.767 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion: 63 Resp: 265642

Ion Ratio Lower Upper

63 100

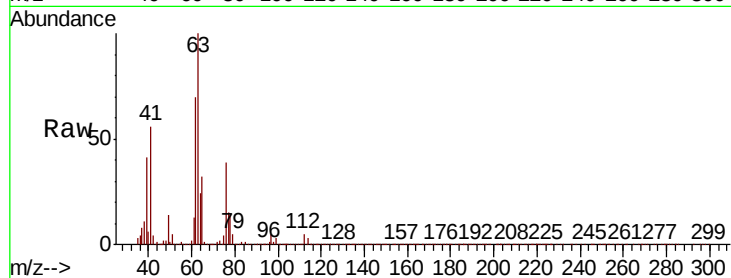
65 31.5 25.5 38.3

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

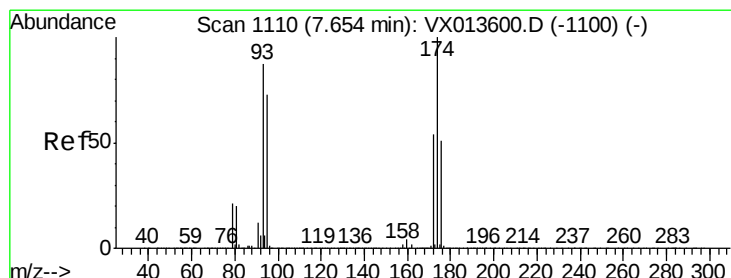
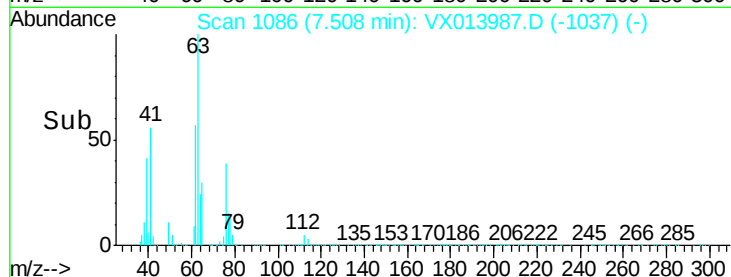
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 46.467 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

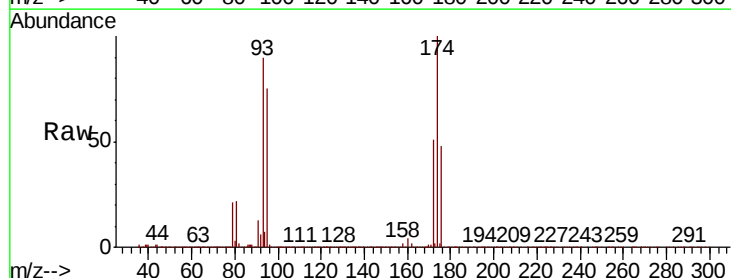
Tgt Ion: 93 Resp: 168453

Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.2

174 114.7 93.4 140.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

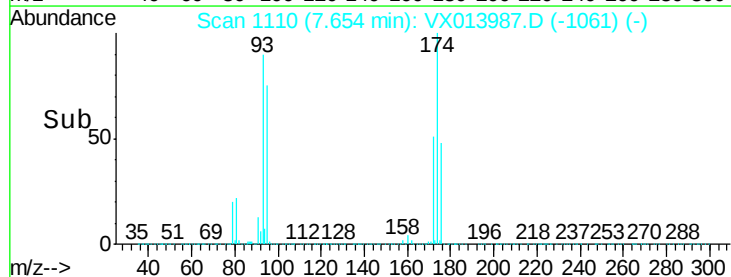
7.65

100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.590 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

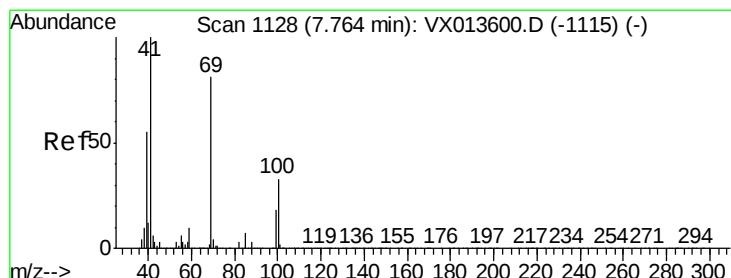
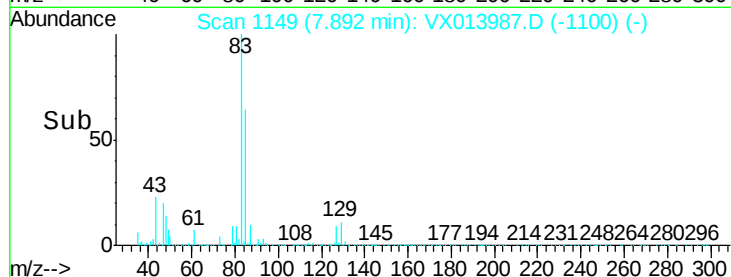
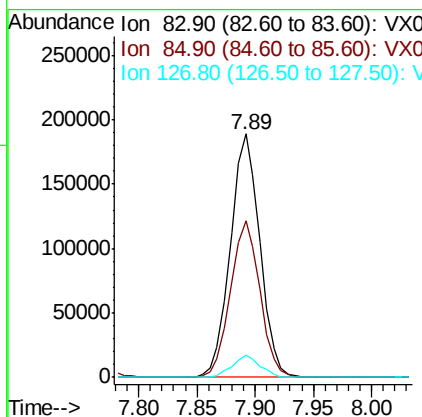
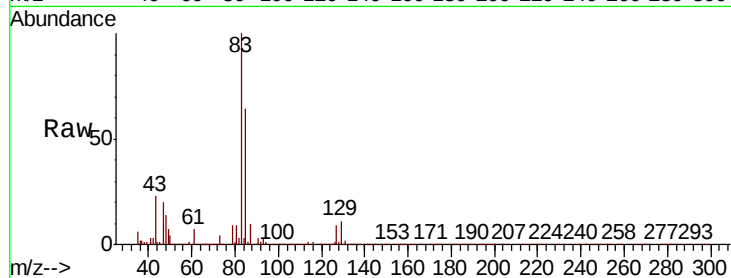
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:	83	Resp:	333002
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.1	78.1
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.071 ug/l

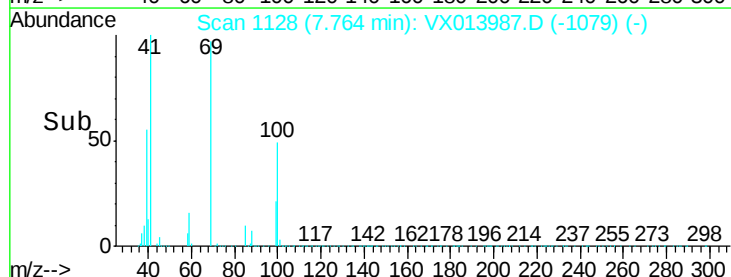
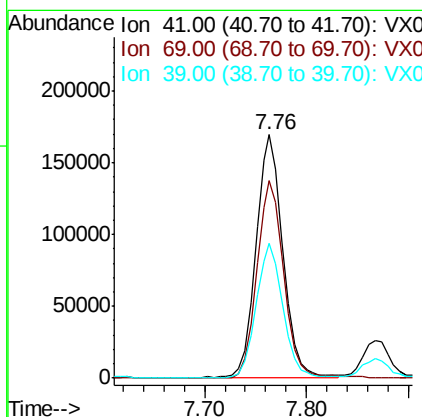
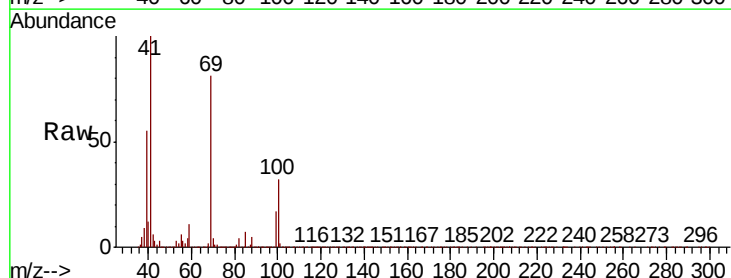
RT: 7.76 min Scan# 1128

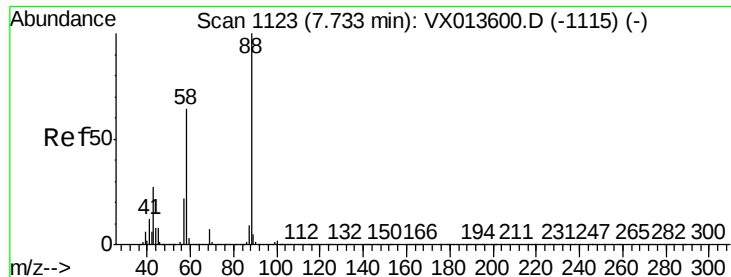
Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion:	41	Resp:	308453
Ion Ratio	Lower	Upper	
41	100		
69	81.8	64.7	97.1
39	55.3	43.8	65.6





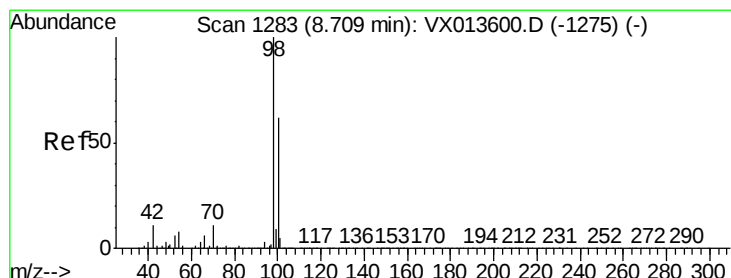
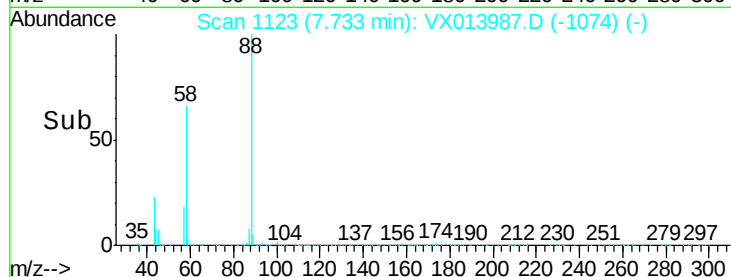
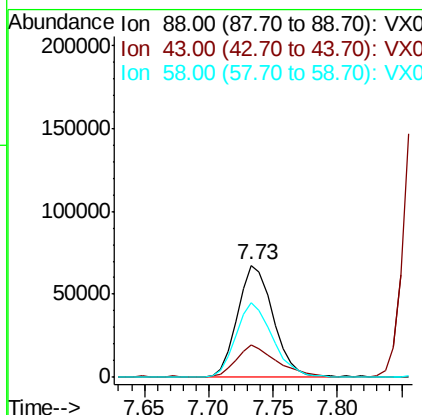
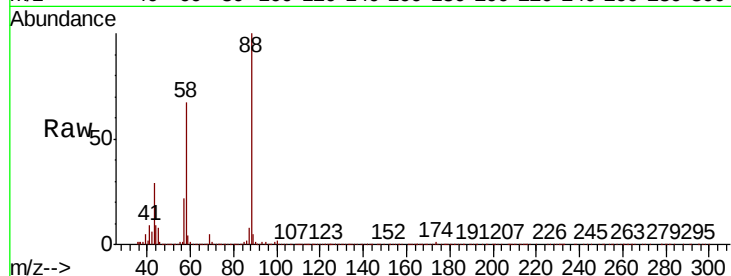
#49
1,4-Dioxane
Concen: 920.387 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.8	38.6
58	69.5	54.6	82.0

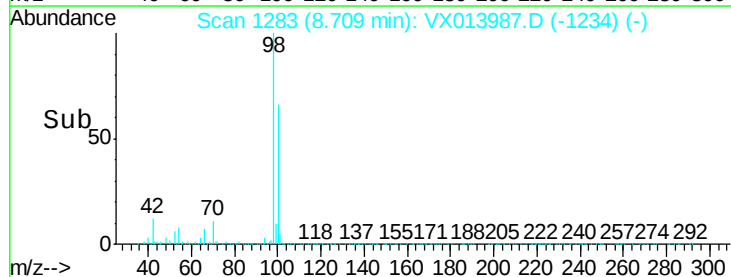
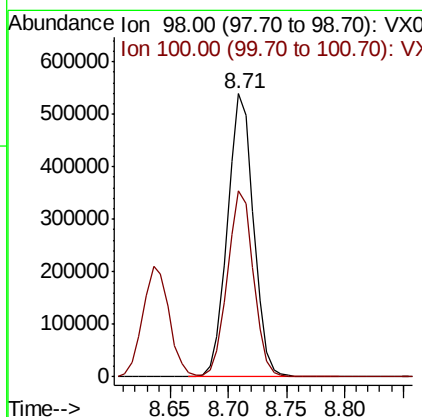
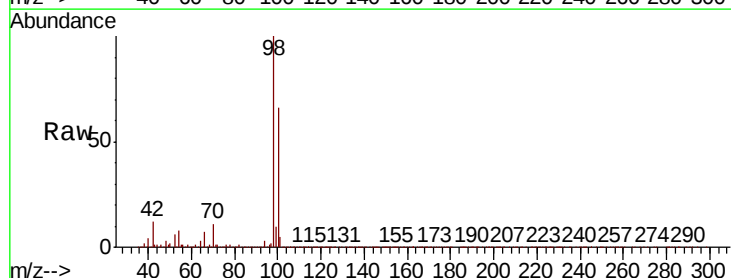
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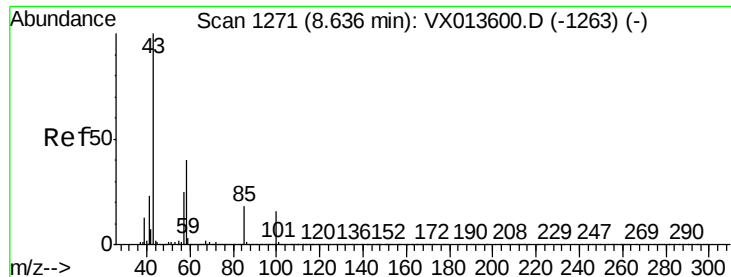
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#50
Toluene-d8
Concen: 45.050 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 250.174 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MS

Tot Ion: 43 Resp: 2035846

Ion Ratio Lower Upper

43 100

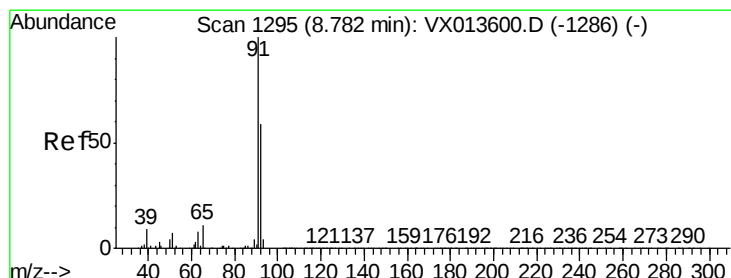
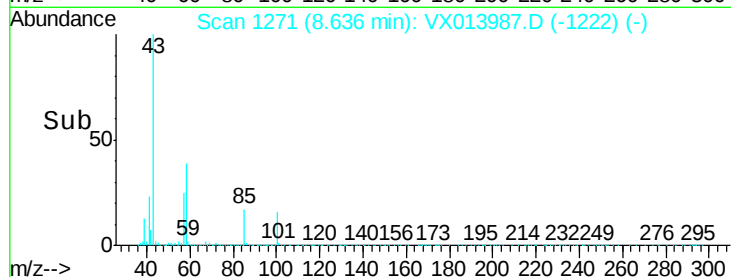
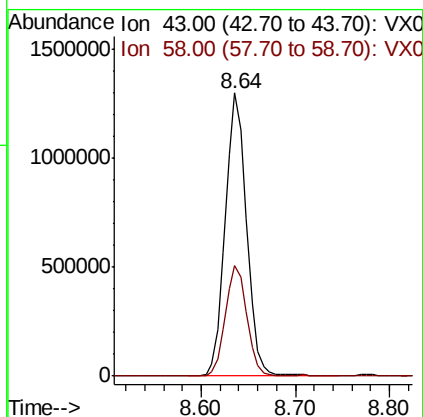
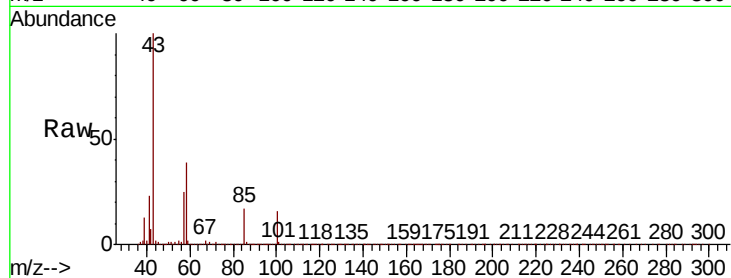
58 39.4 32.1 48.1

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#52

Toluene

Concen: 47.683 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013987.D

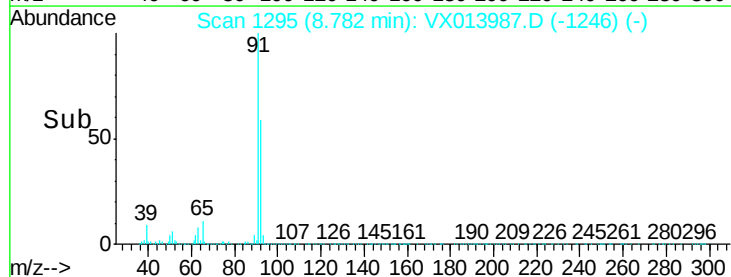
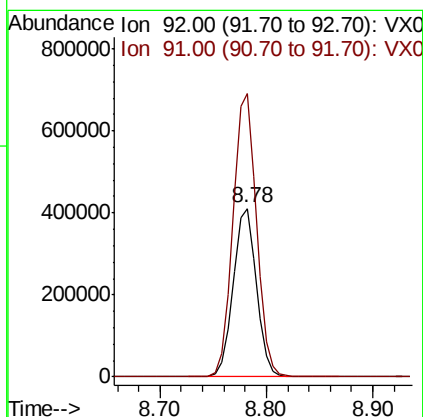
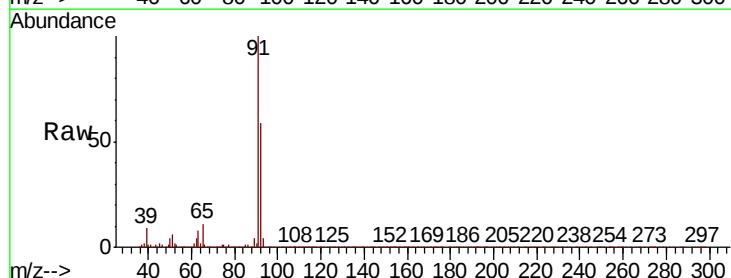
Acq: 12 Dec 2019 19:52

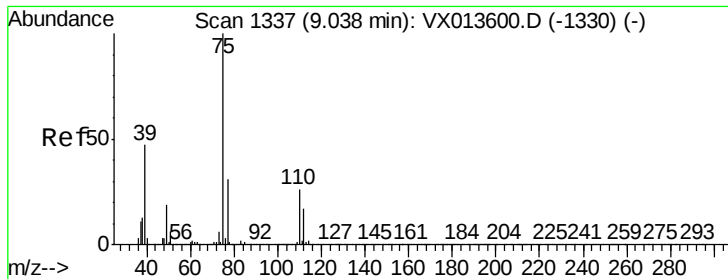
Tgt Ion: 92 Resp: 631971

Ion Ratio Lower Upper

92 100

91 170.0 136.2 204.2





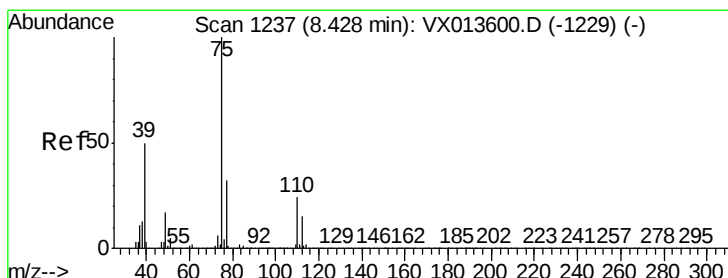
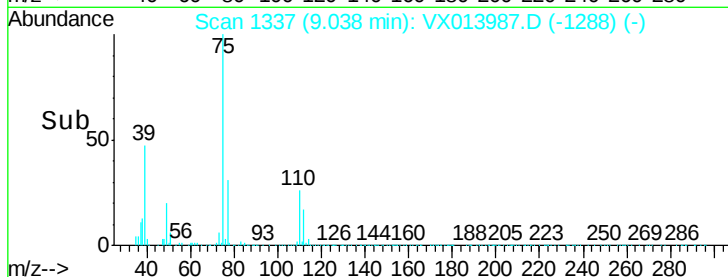
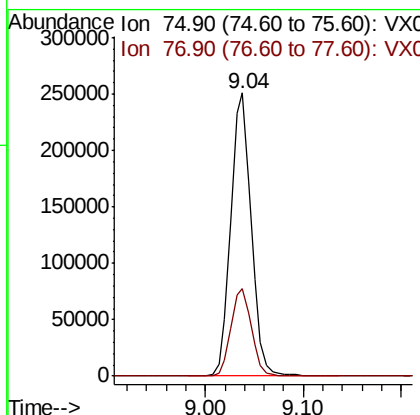
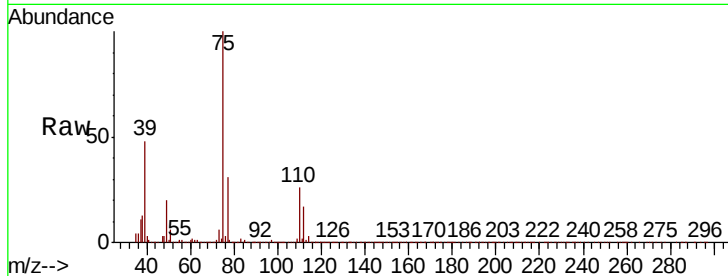
#53
t-1,3-Dichloropropene
Concen: 46.646 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.4	36.6

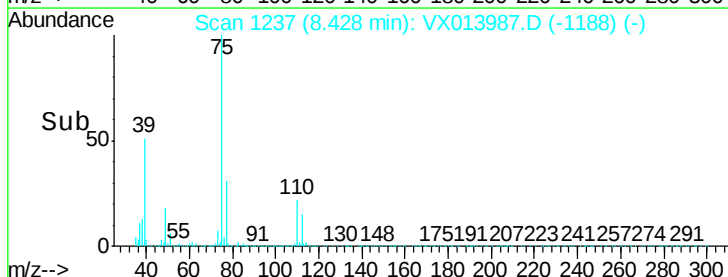
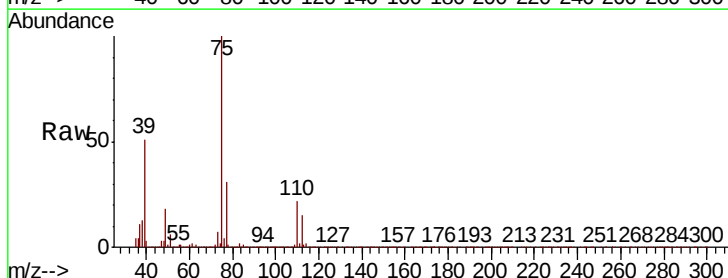
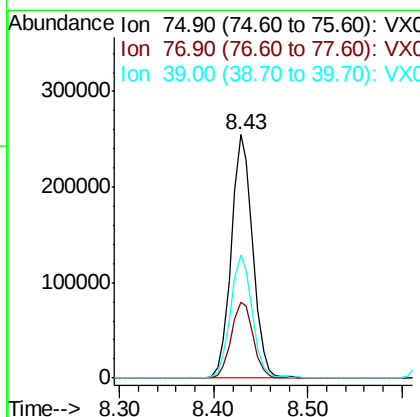
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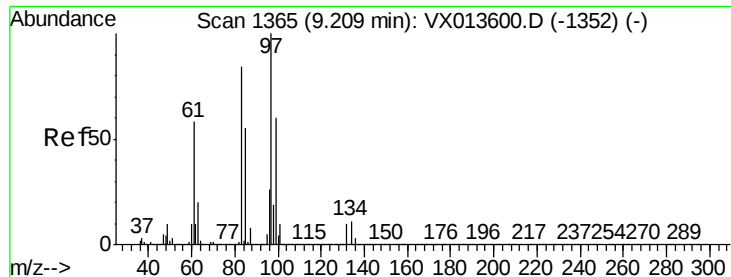
apatel
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#54
cis-1,3-Dichloropropene
Concen: 47.048 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	50.5	39.9	59.9





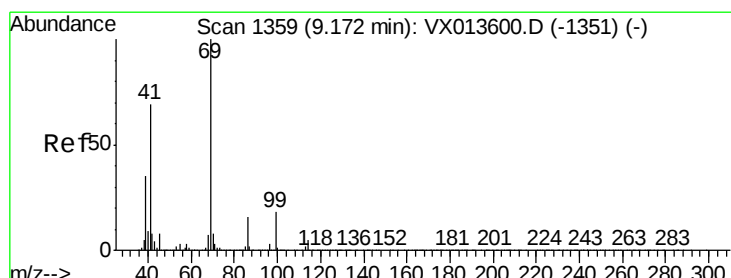
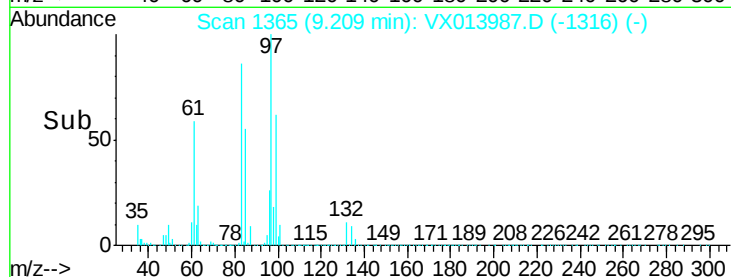
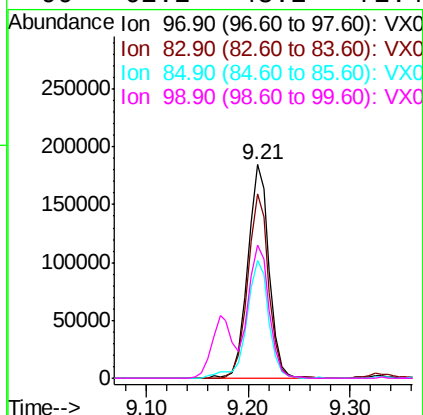
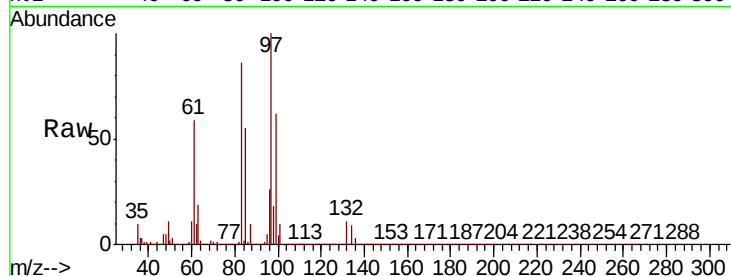
#55
 1,1,2-Trichloroethane
 Concen: 50.079 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		267467		
83	86.2	67.3	100.9		
85	55.1	43.6	65.4		
99	62.2	48.2	72.4		

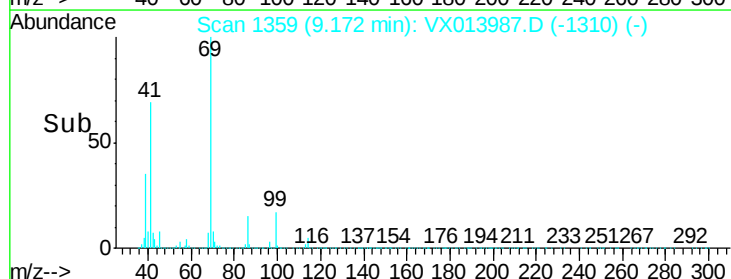
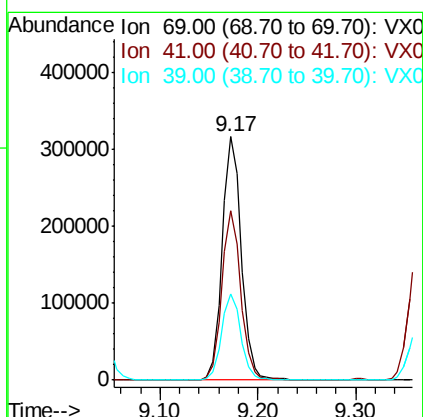
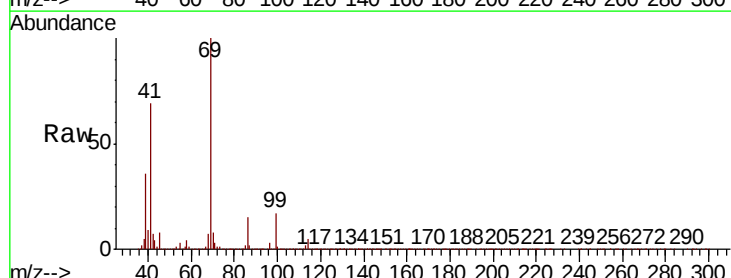
Manual Integrations
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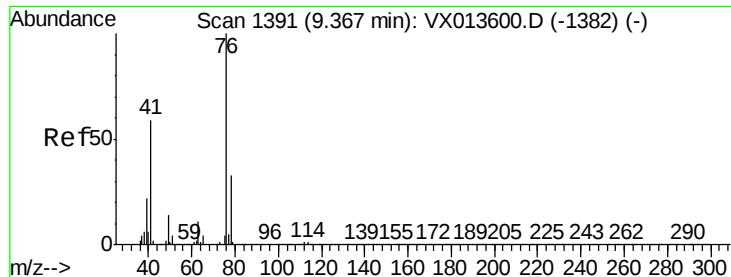
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#56
 Ethyl methacrylate
 Concen: 49.972 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		429102		
41	68.6	55.0	82.4		
39	35.7	28.7	43.1		





#57

1,3-Dichloropropane

Concen: 49.055 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion: 76 Resp: 451599

Ion Ratio Lower Upper

76 100

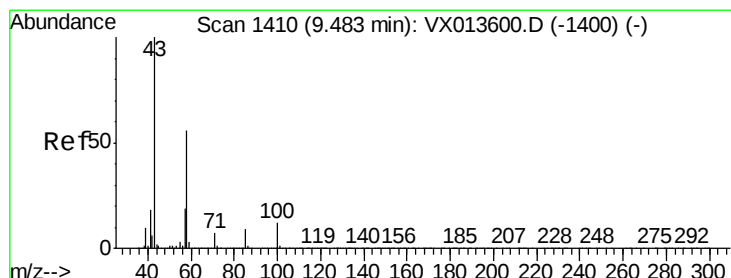
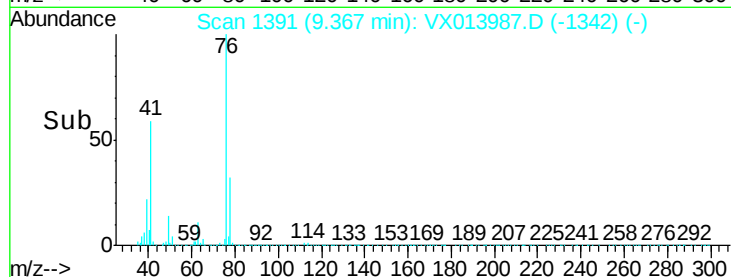
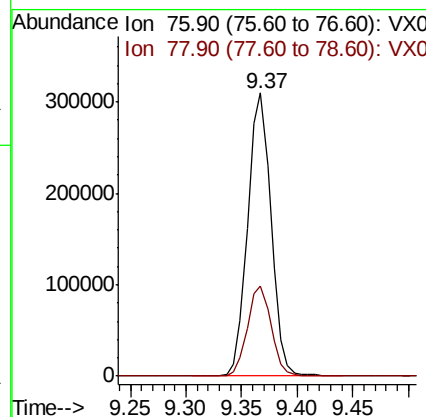
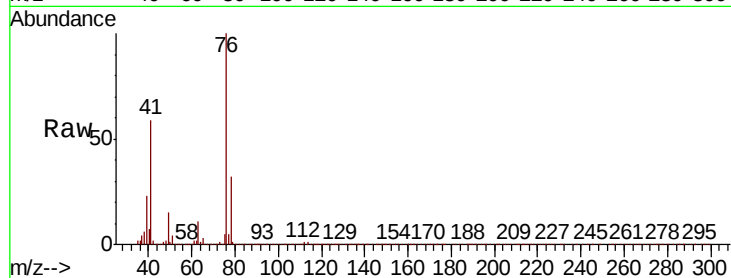
78 32.3 26.0 39.0

Manual Integrations

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#59

2-Hexanone

Concen: 245.806 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.01 min

Lab File: VX013987.D

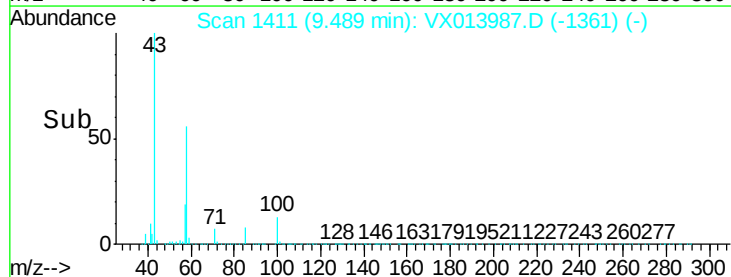
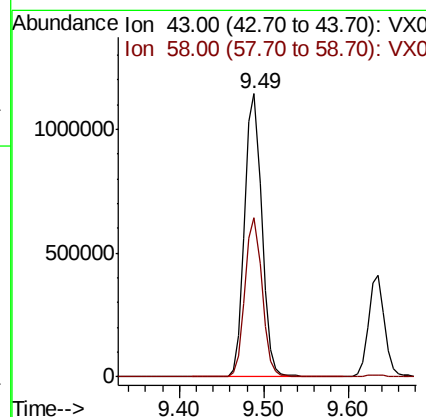
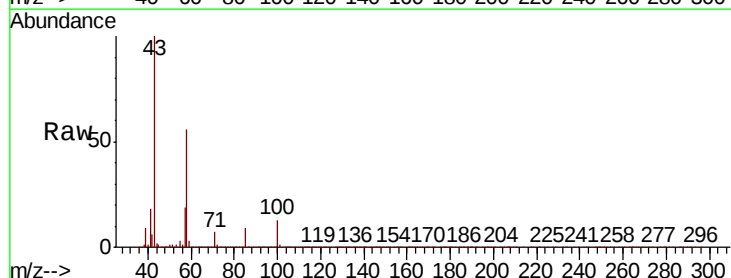
Acq: 12 Dec 2019 19:52

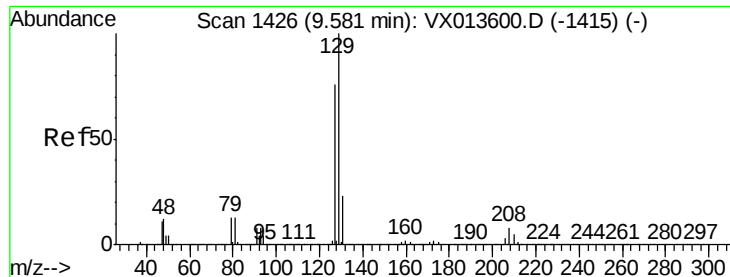
Tgt Ion: 43 Resp: 1560086

Ion Ratio Lower Upper

43 100

58 55.8 28.1 84.4





#60

Dibromochloromethane

Concen: 48.777 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:129 Resp: 270361

Ion Ratio Lower Upper

129 100

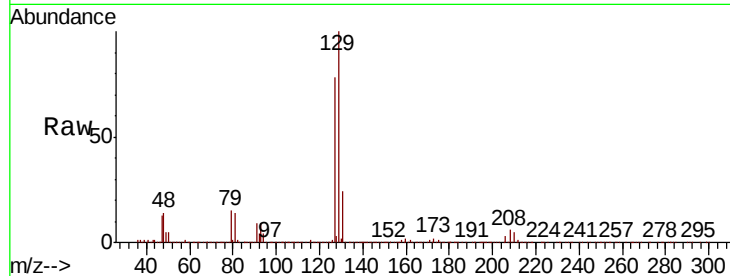
127 77.7 38.5 115.5

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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

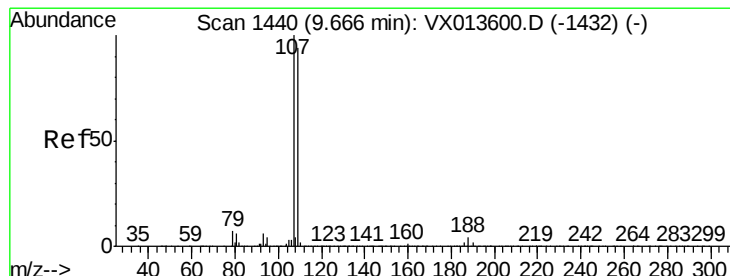
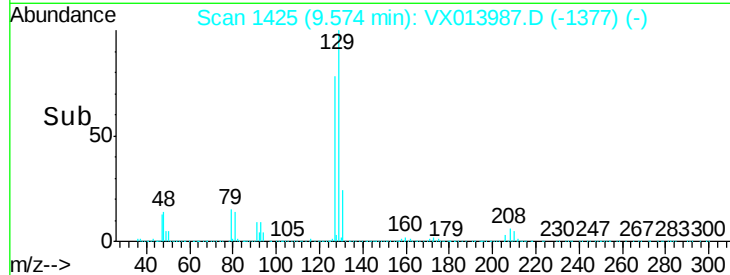
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 48.154 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013987.D

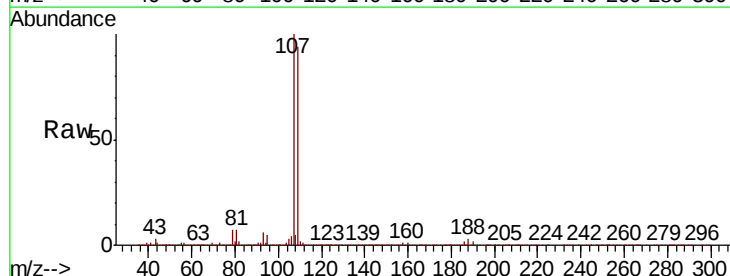
Acq: 12 Dec 2019 19:52

Tgt Ion:107 Resp: 274687

Ion Ratio Lower Upper

107 100

109 93.9 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

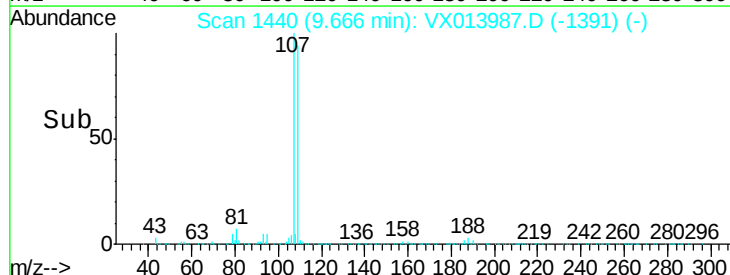
150000

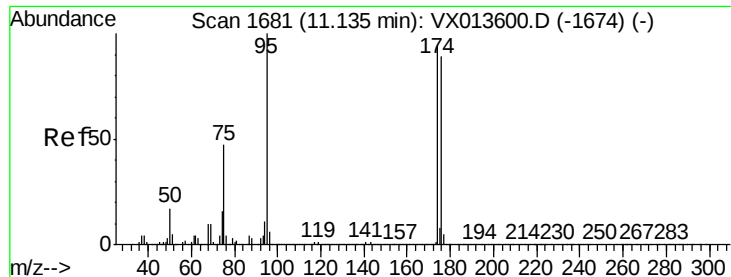
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.566 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

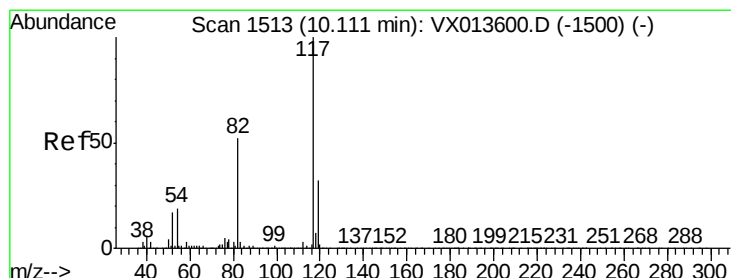
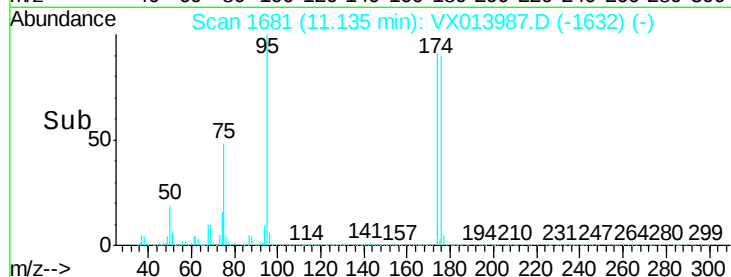
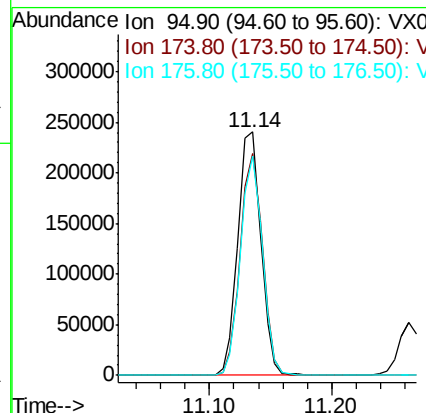
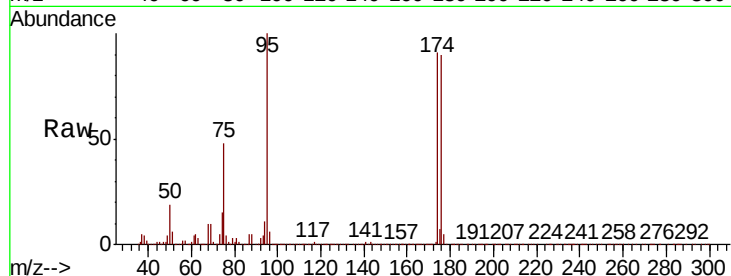
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:	95	Resp:	312094
Ion Ratio	Lower	Upper	
95	100		
174	88.0	0.0	180.0
176	86.0	0.0	173.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

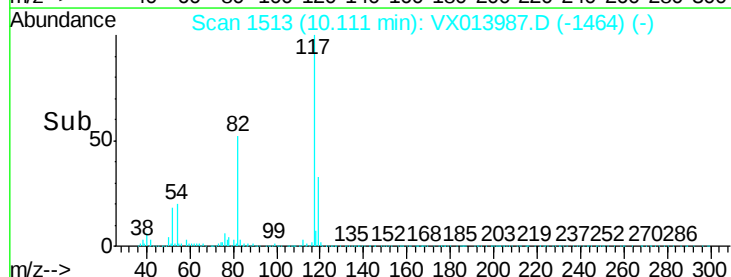
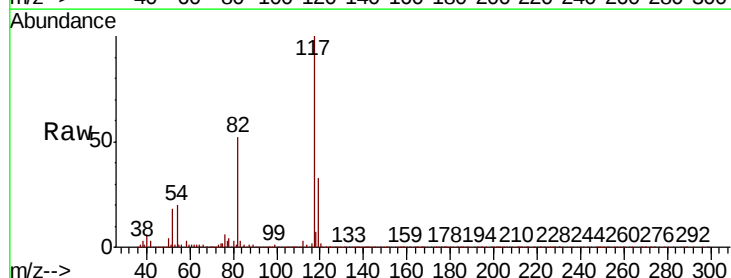
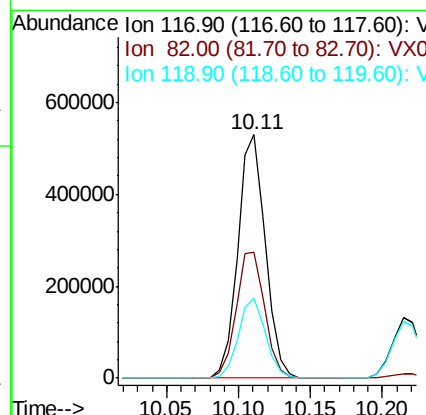
RT: 10.11 min Scan# 1513

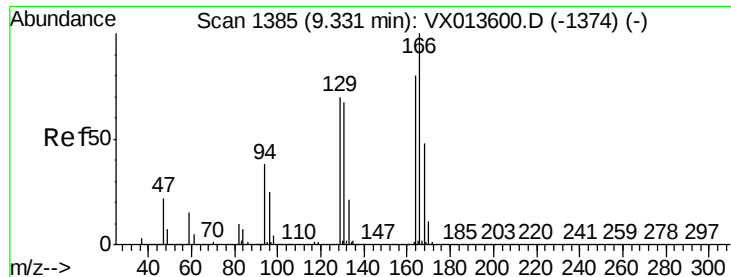
Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion:	117	Resp:	705489
Ion Ratio	Lower	Upper	
117	100		
82	51.8	41.8	62.8
119	32.7	25.8	38.8





#64

Tetrachloroethene

Concen: 44.936 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

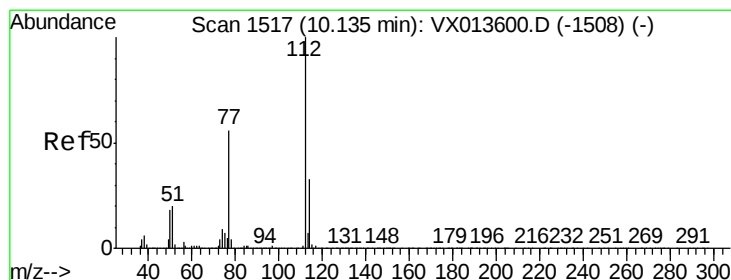
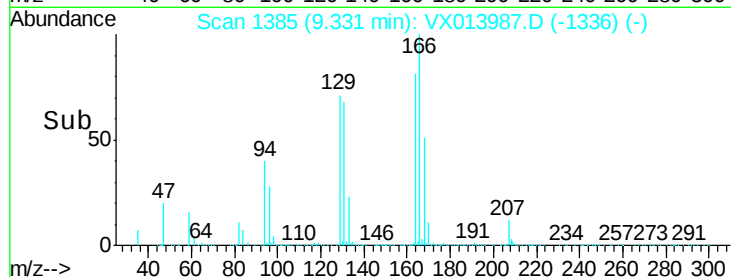
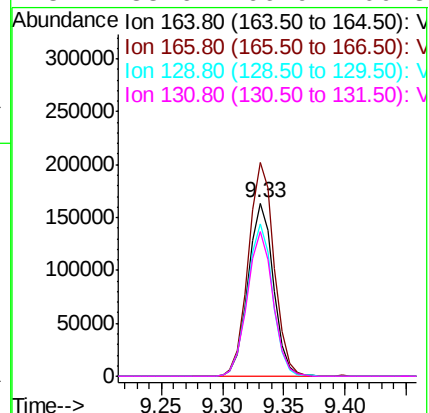
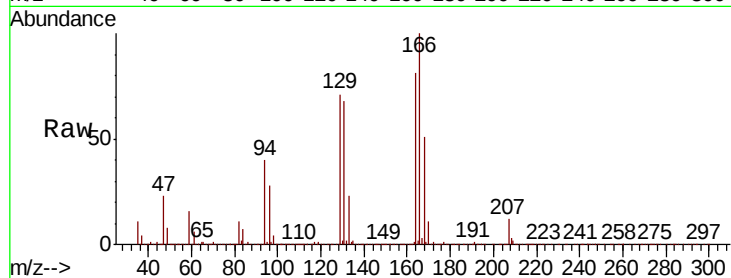
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	123.3	99.7	149.5	
129	88.0	70.1	105.1	
131	83.6	66.9	100.3	

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#65

Chlorobenzene

Concen: 46.755 ug/l

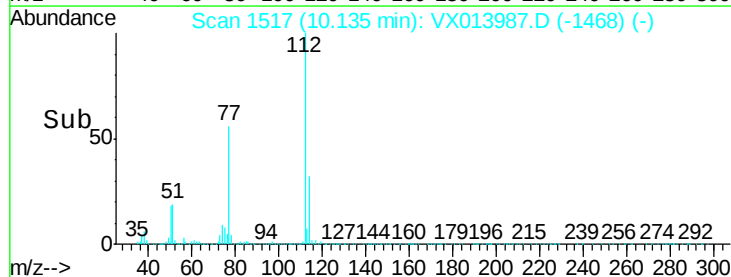
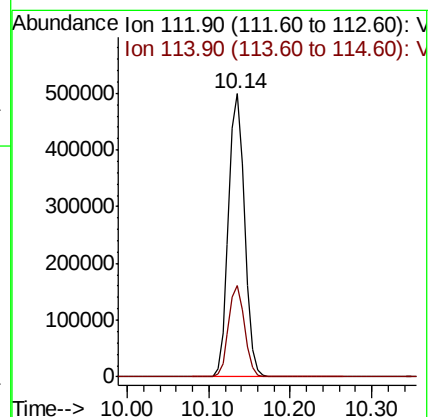
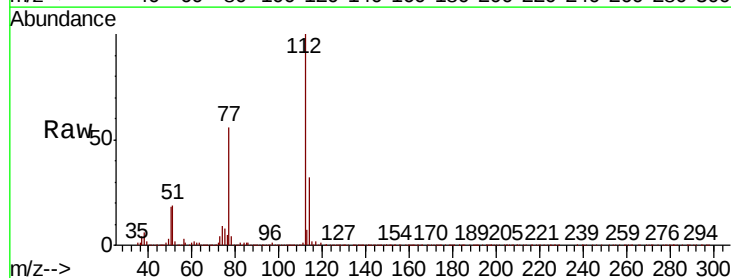
RT: 10.14 min Scan# 1517

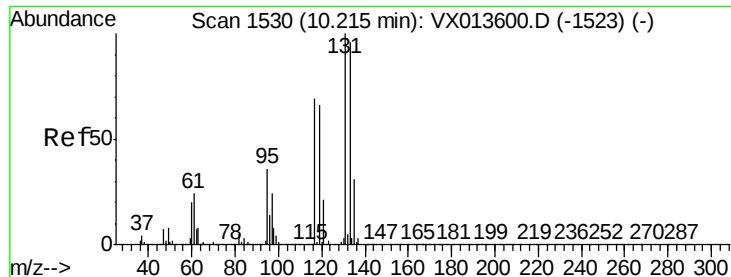
Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.5	26.1	39.1	





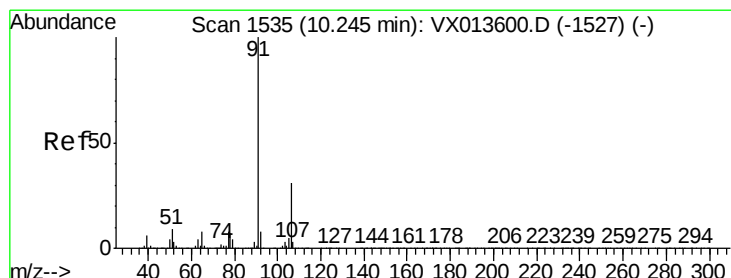
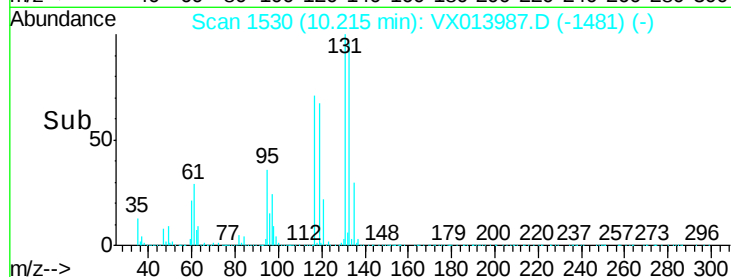
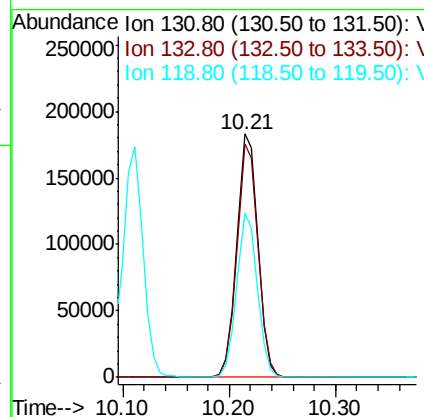
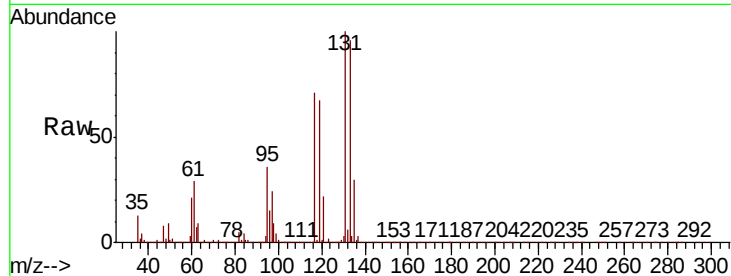
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.677 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.7	143.1
119	66.0	32.9	98.6

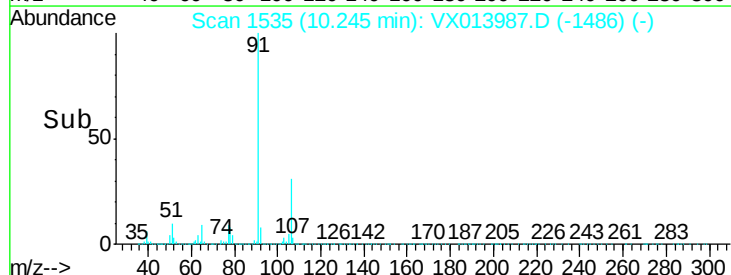
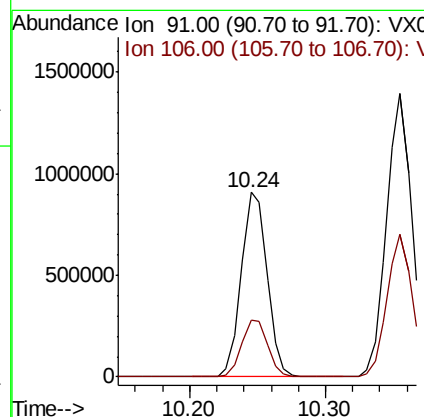
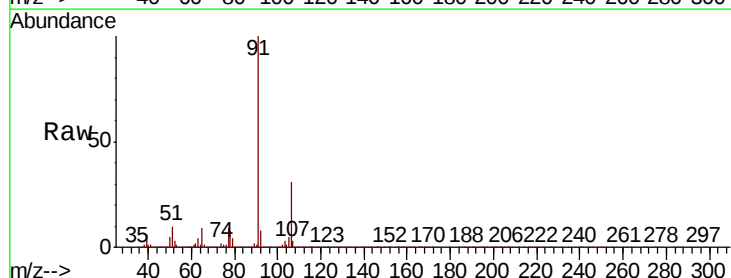
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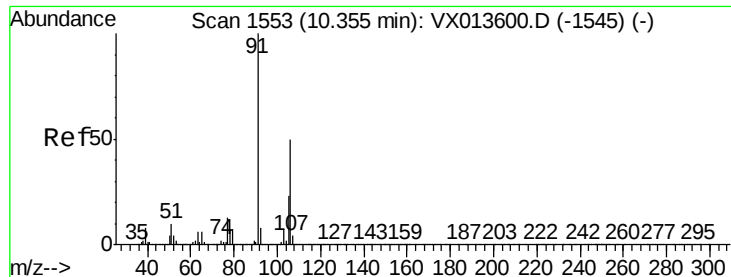
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#67
 Ethyl Benzene
 Concen: 47.838 ug/l
 RT: 10.24 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7





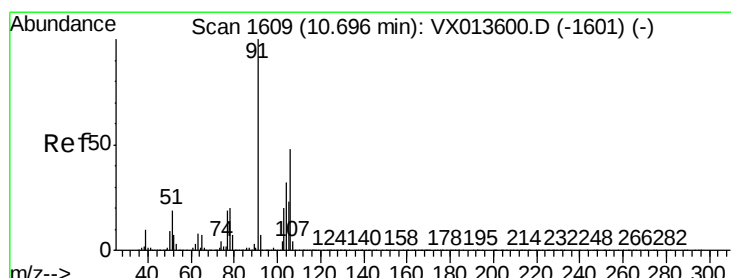
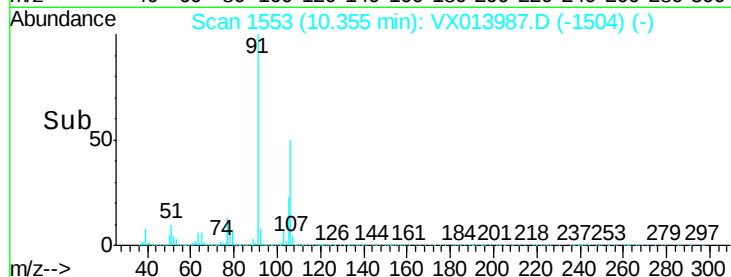
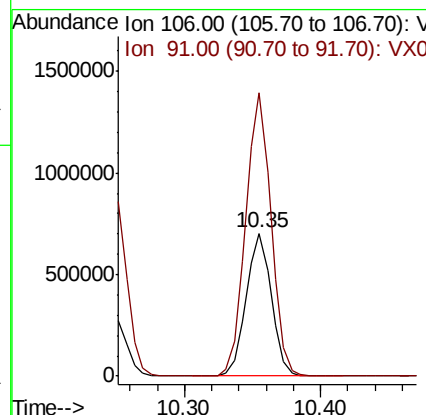
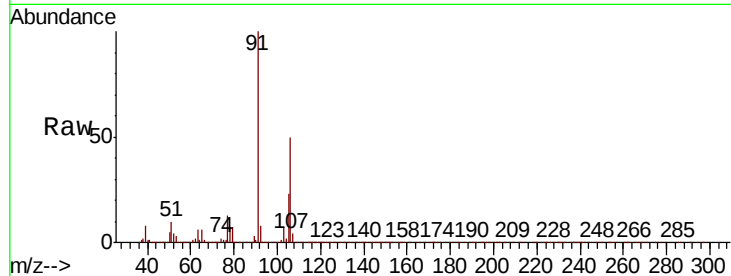
#68
m/p-Xvlenes
Concen: 94.357 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion:106 Resp: 909261
Ion Ratio Lower Upper
106 100
91 199.7 159.0 238.4

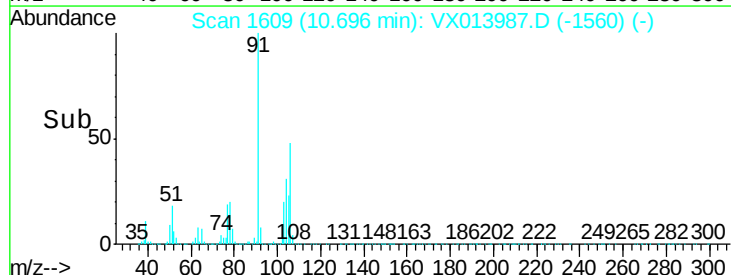
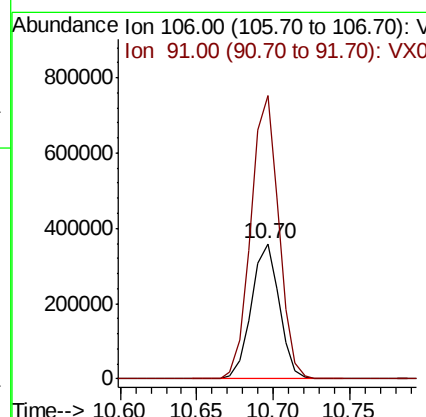
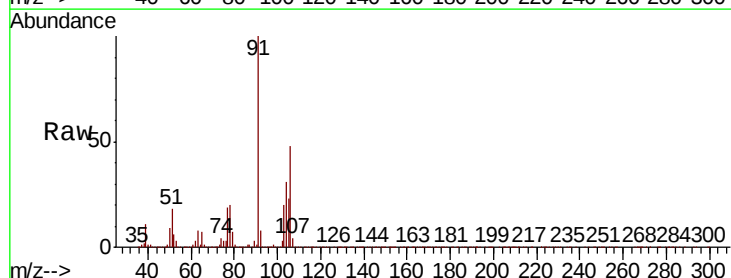
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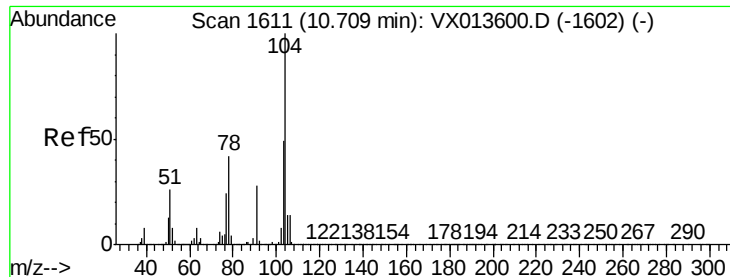
apatel
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#69
o-Xylene
Concen: 48.288 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion:106 Resp: 453826
Ion Ratio Lower Upper
106 100
91 209.3 104.1 312.2





#70

Stvrene

Concen: 48.884 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

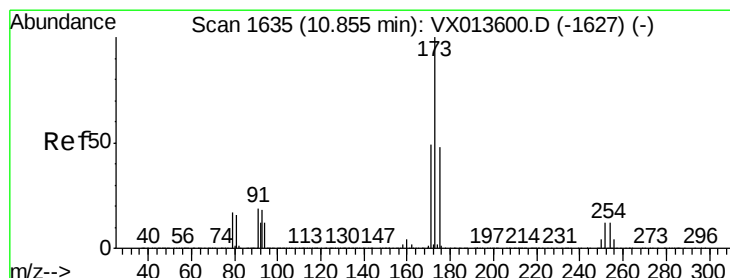
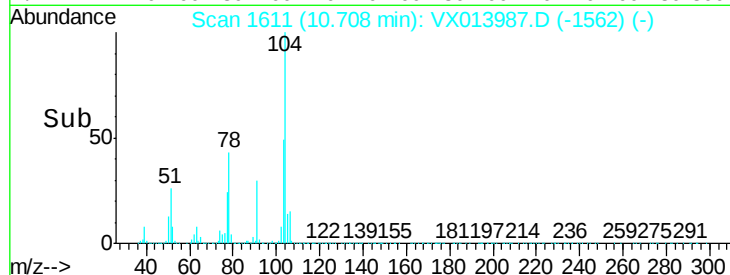
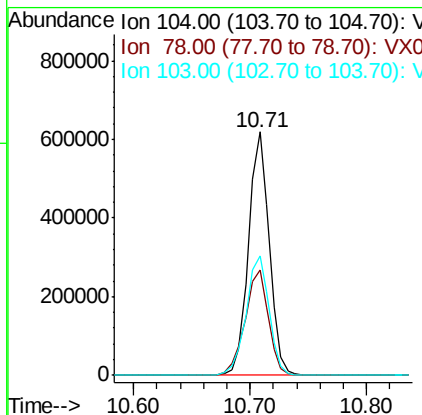
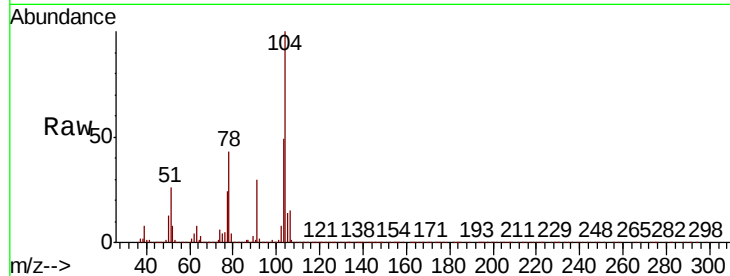
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:	104	Resp:	772845
Ion Ratio	Lower	Upper	
104	100		
78	48.7	38.5	57.7
103	54.3	43.7	65.5

Manual Integrations
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#71

Bromoform

Concen: 48.083 ug/l

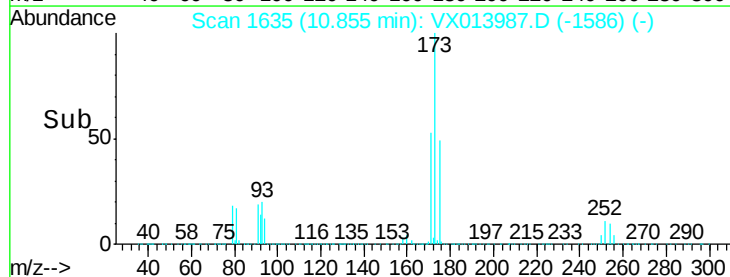
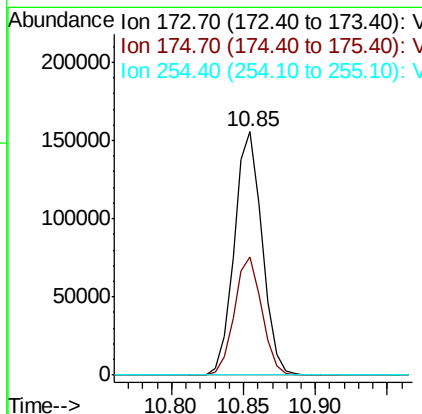
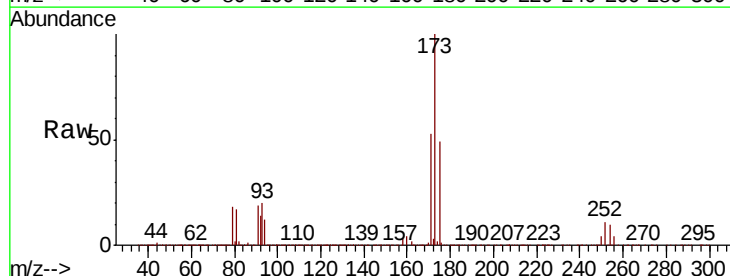
RT: 10.85 min Scan# 1635

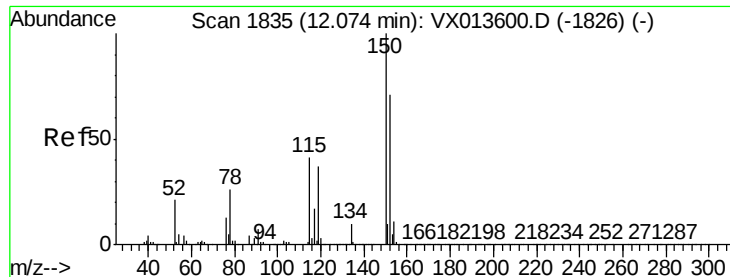
Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion:	173	Resp:	209257
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.3	72.8
254	0.3	0.2	0.4





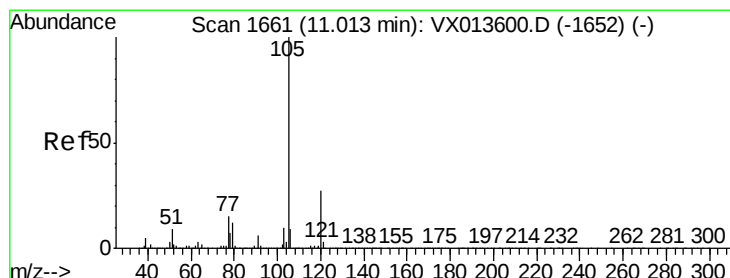
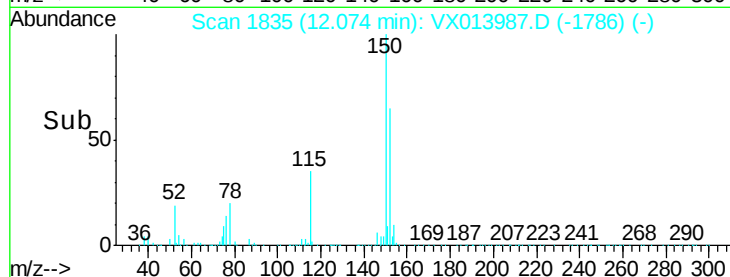
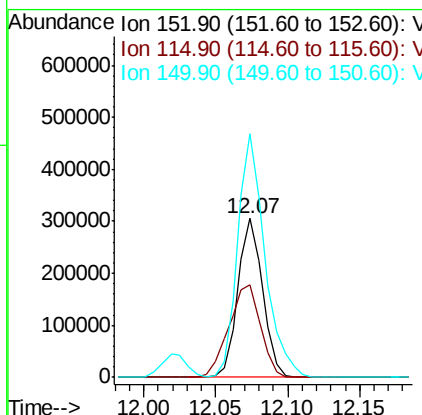
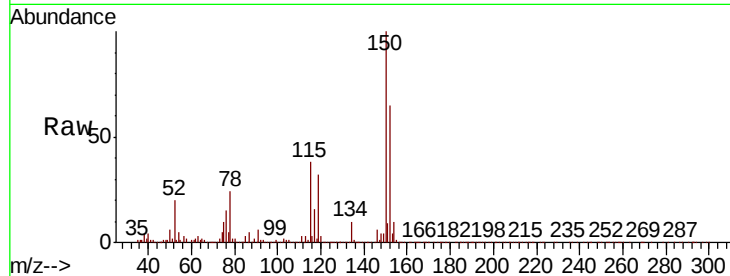
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1871-20191208MS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	365799		
115	75.0	38.4	115.1	
150	168.1	0.0	346.8	

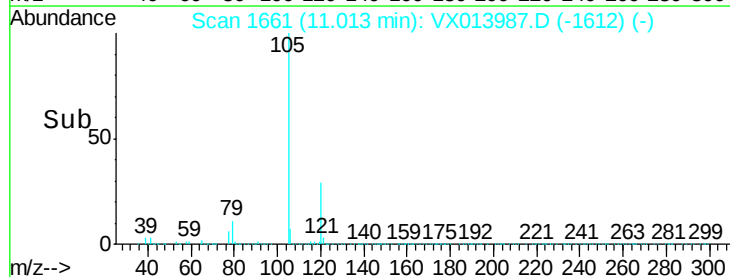
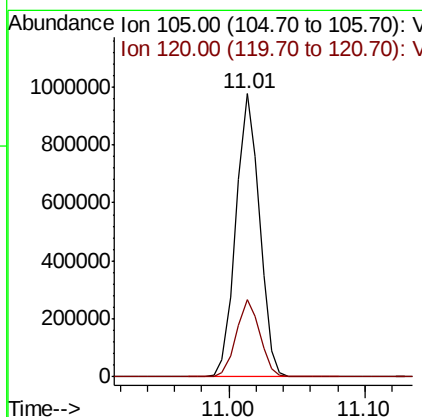
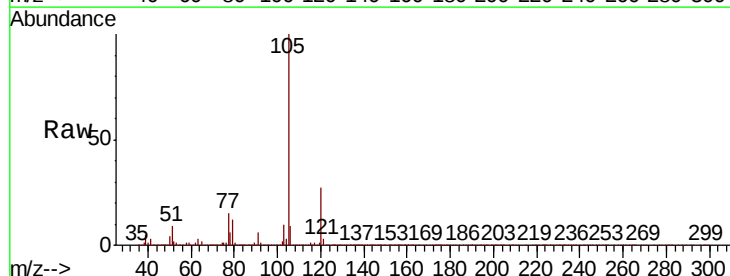
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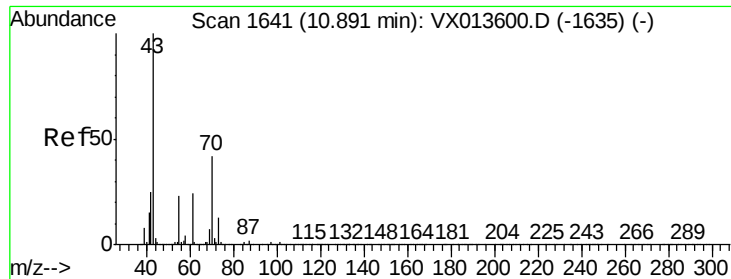
apatel
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#73
 Isopropylbenzene
 Concen: 45.952 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1179093		
120	27.3	13.5	40.5	





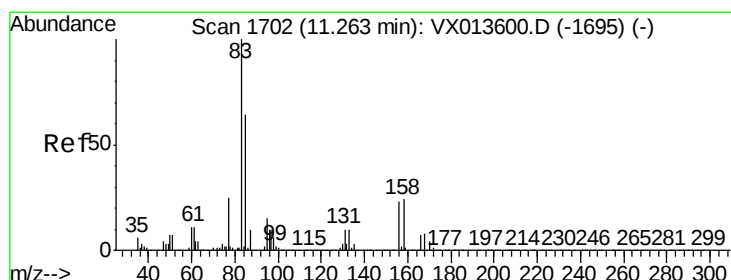
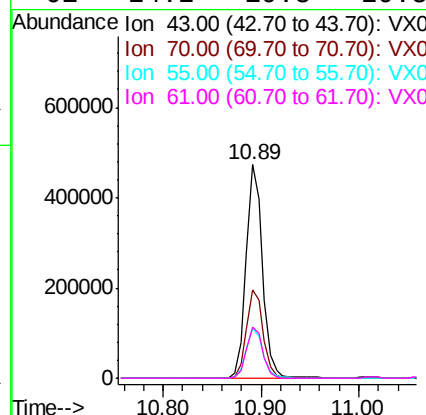
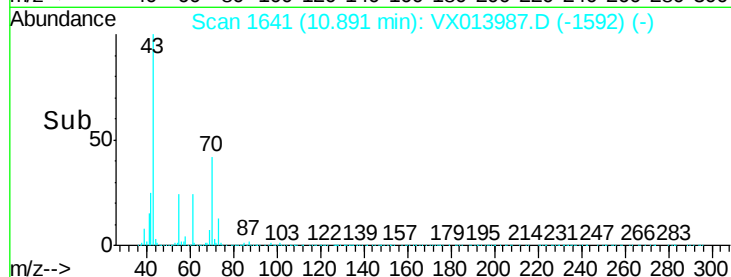
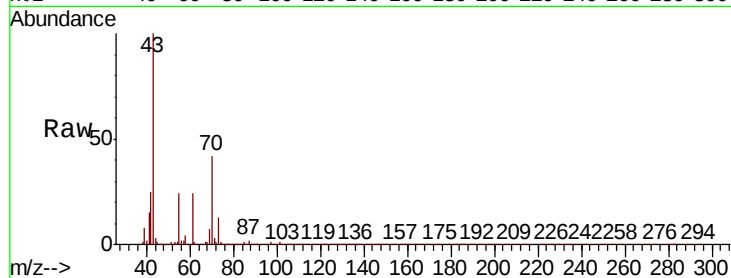
#74
N-amvl acetate
Concen: 46.732 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	549297		
70	70	42.9		34.3	51.5
55	55	23.8		18.5	27.7
61	61	24.2		19.8	29.8

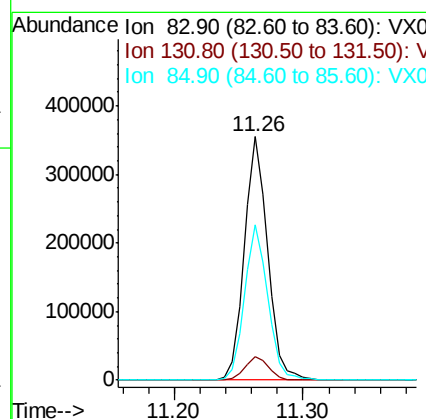
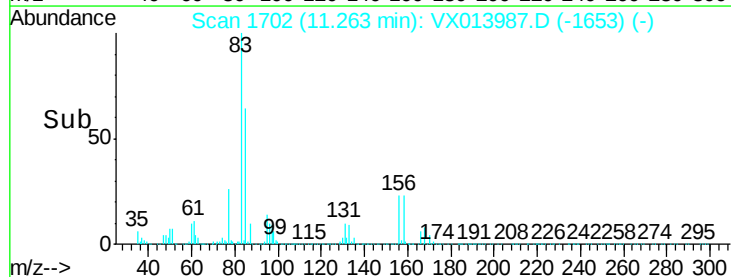
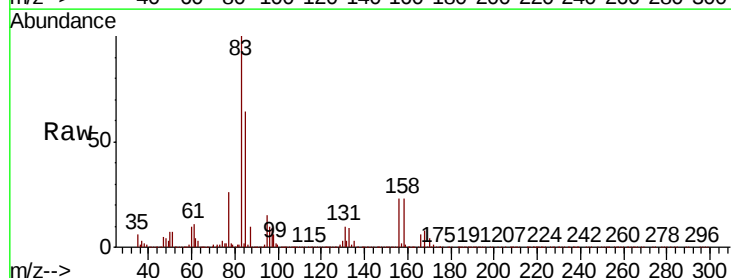
Manual Integrations
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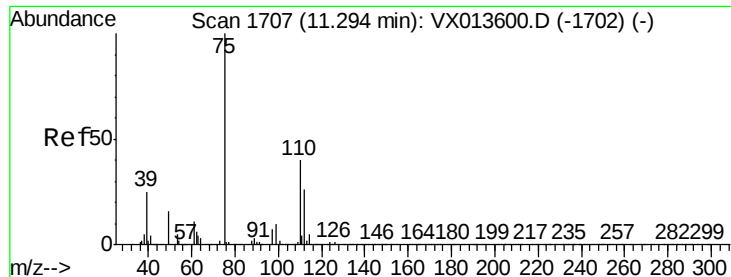
apatel
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#75
1,1,2,2-Tetrachloroethane
Concen: 49.827 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	443390		
131	131	10.0		5.1	15.3
85	85	63.9		31.8	95.3





#76

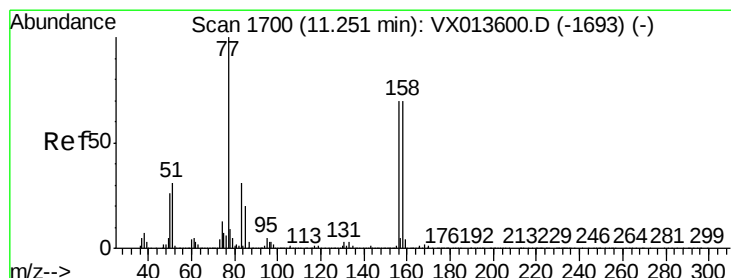
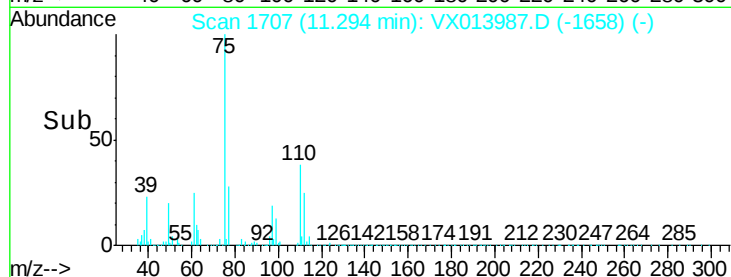
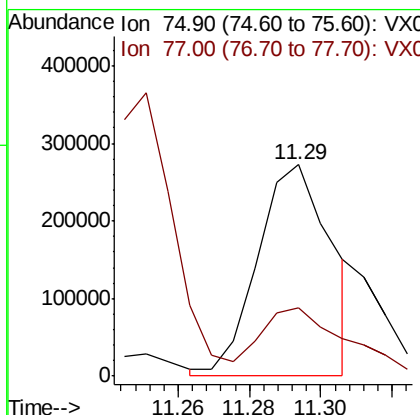
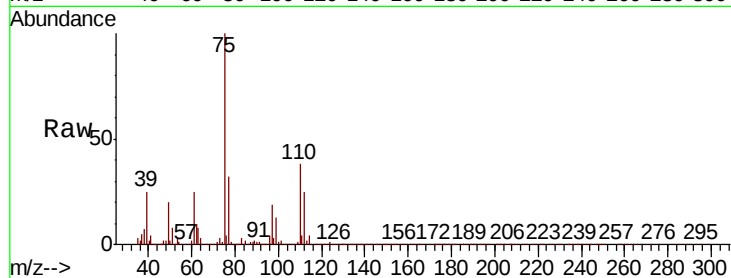
1,2,3-Trichloropropane
Concen: 47.303 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	38.0	19.1	57.5

Manual Integrations
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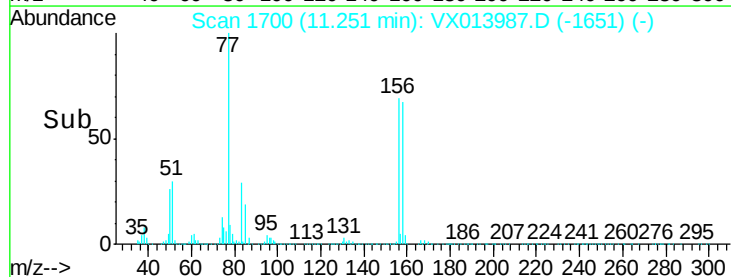
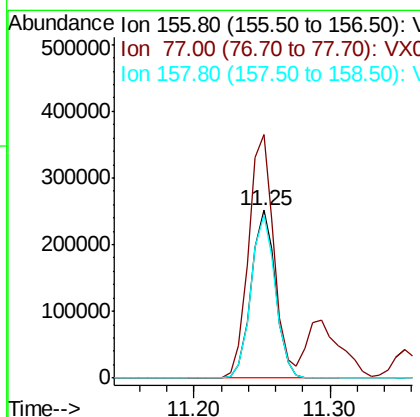
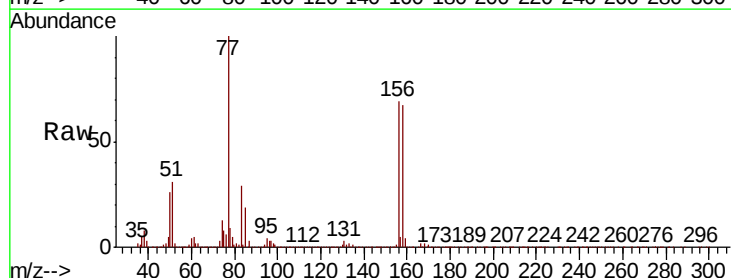
apatel
12/13/2019 11:25:24 AM

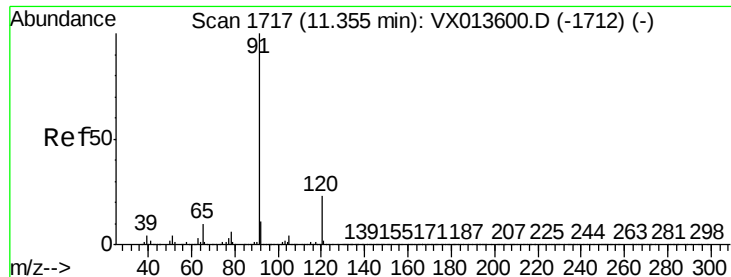


#77

Bromobenzene
Concen: 45.449 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
156	100		
77	150.6	74.4	223.1
158	97.7	48.9	146.6





#78

n-propylbenzene

Concen: 46.157 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion: 91 Resp: 1322117

Ion Ratio Lower Upper

91 100

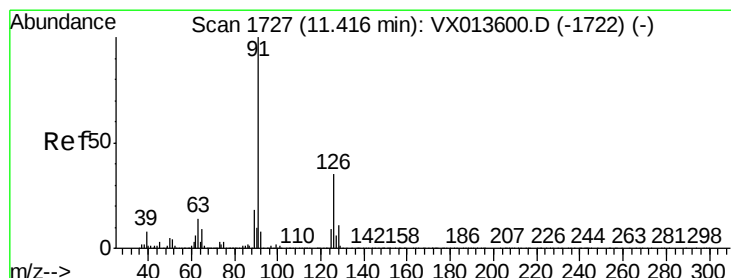
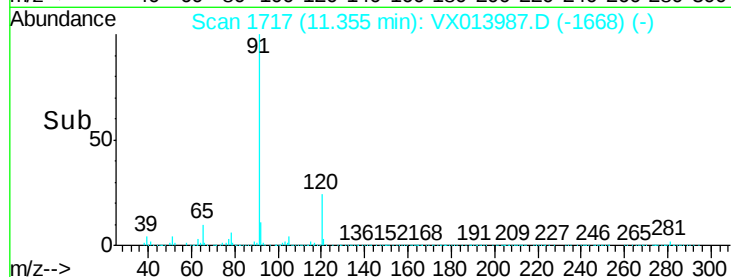
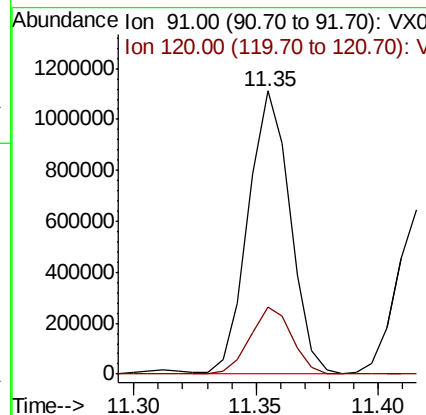
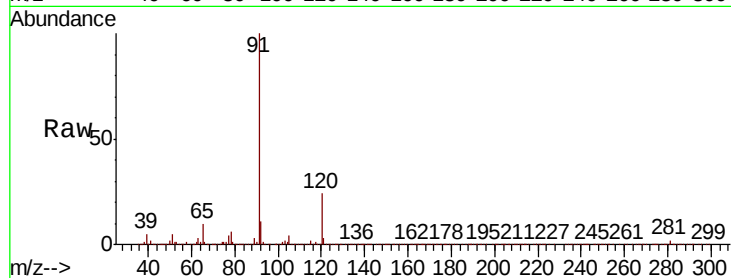
120 23.6 11.8 35.3

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#79

2-Chlorotoluene

Concen: 46.316 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013987.D

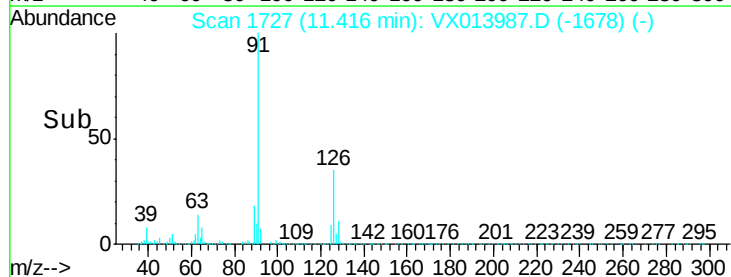
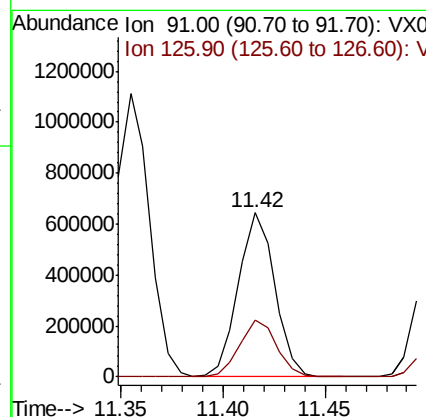
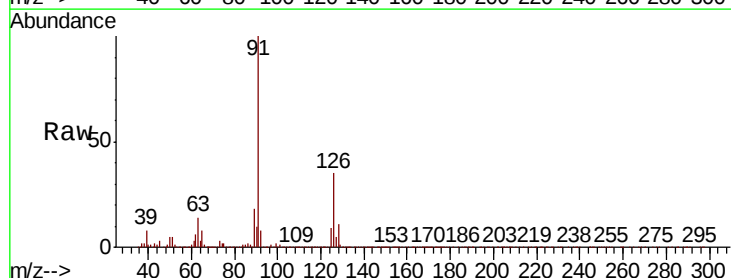
Acq: 12 Dec 2019 19:52

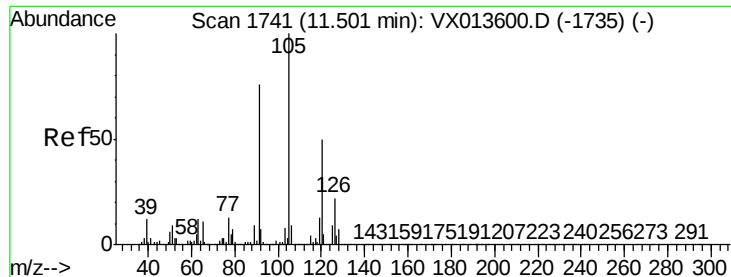
Tgt Ion: 91 Resp: 795826

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5





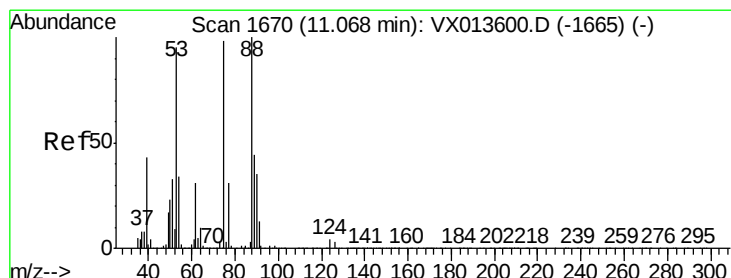
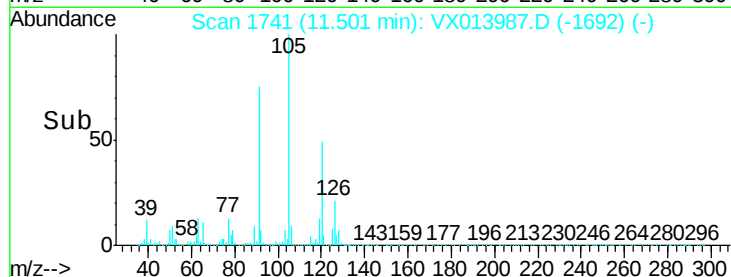
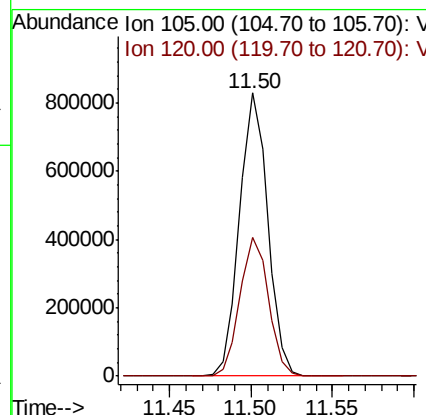
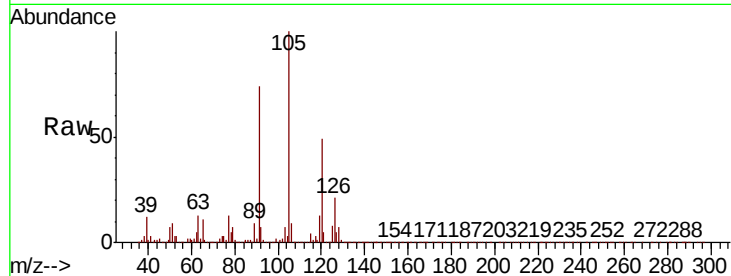
#80
 1,3,5-Trimethylbenzene
 Concen: 47.614 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Tot Ion:105 Resp: 1001335
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.3 75.9

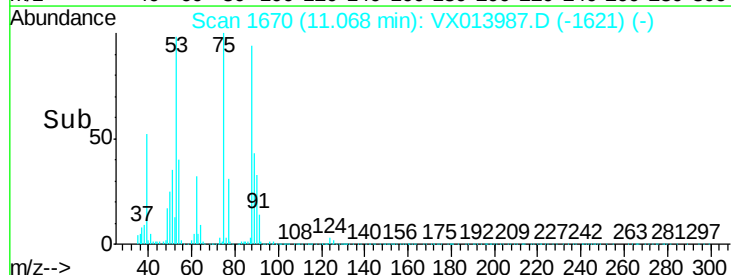
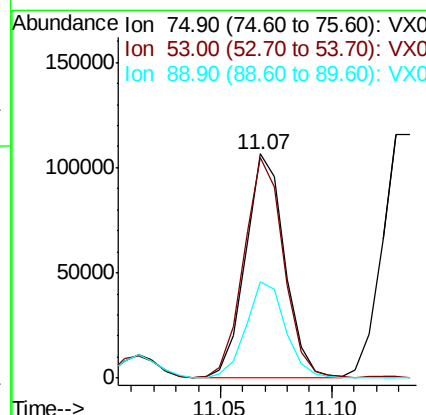
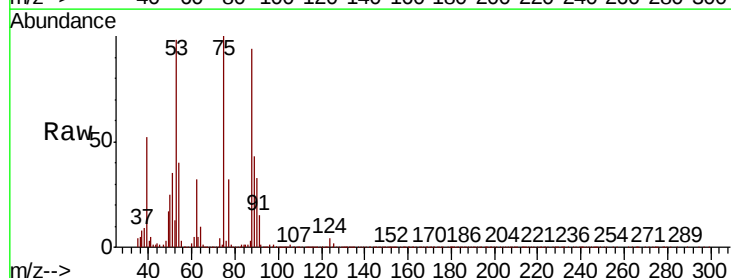
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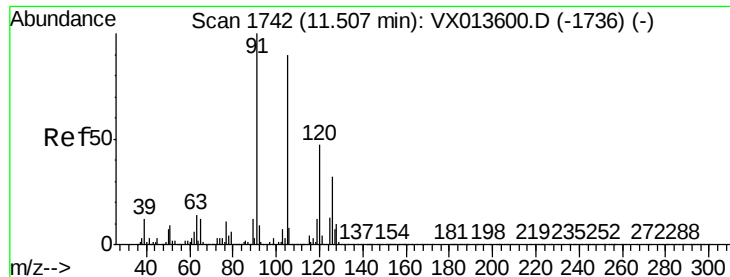
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.047 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion: 75 Resp: 129457
 Ion Ratio Lower Upper
 75 100
 53 99.9 78.2 117.2
 89 44.0 35.4 53.2





#82

4-Chlorotoluene

Concen: 45.590 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MS

Tot Ion: 91 Resp: 907305

Ion Ratio Lower Upper

91 100

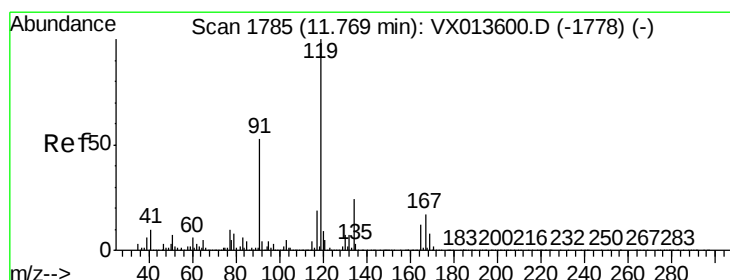
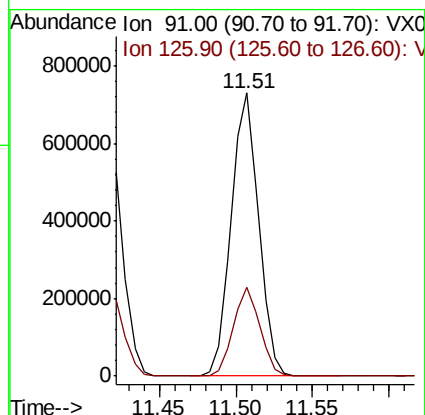
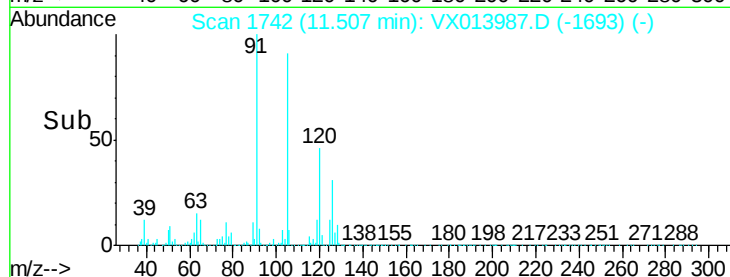
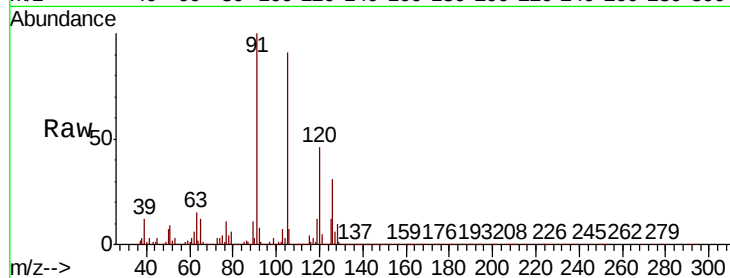
126 30.6 15.7 47.0

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#83

tert-Butylbenzene

Concen: 47.487 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

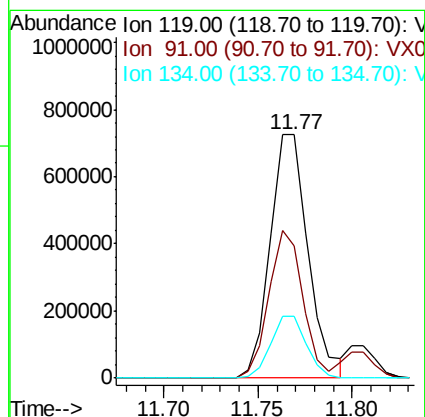
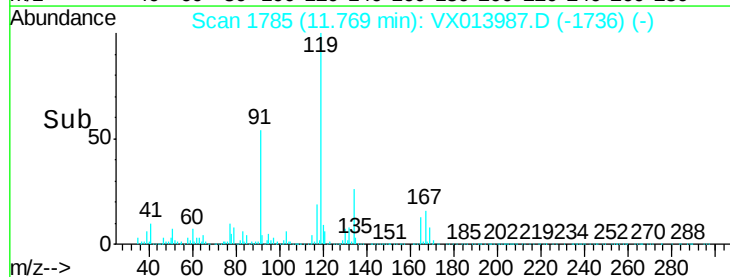
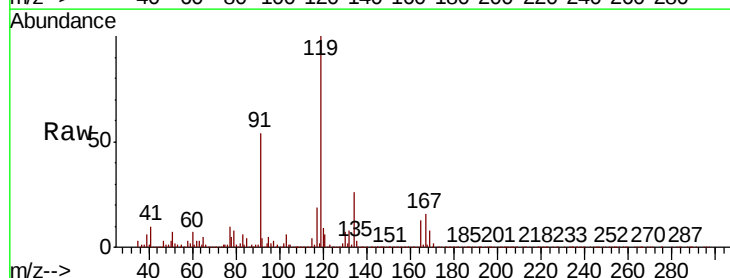
Tgt Ion: 119 Resp: 1014929

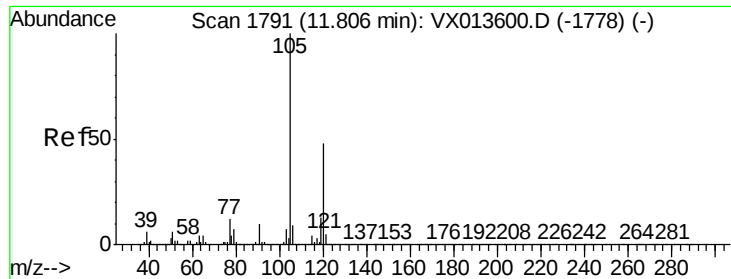
Ion Ratio Lower Upper

119 100

91 54.4 27.2 81.6

134 24.0 11.7 35.1





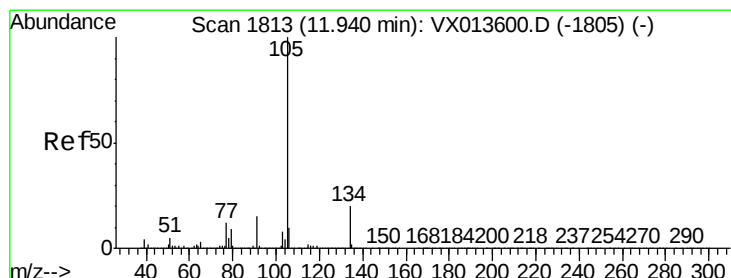
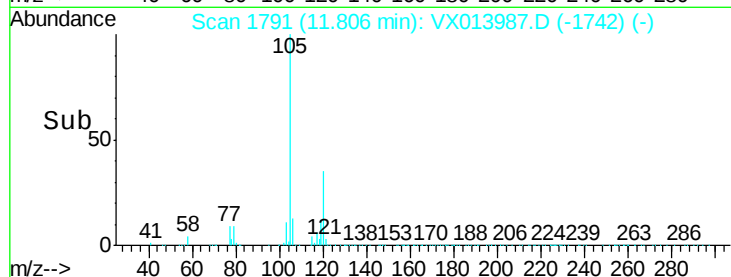
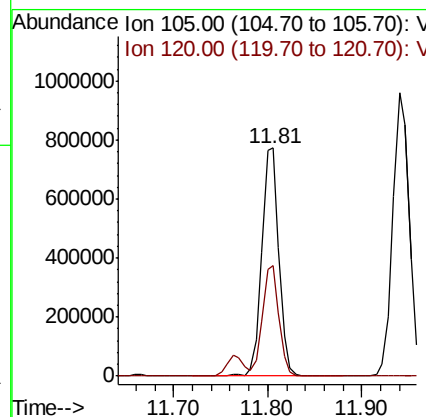
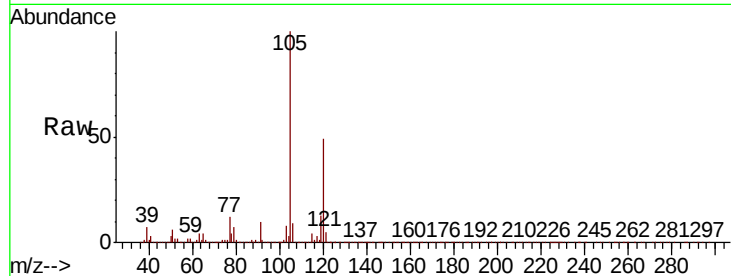
#84
 1,2,4-Trimethylbenzene
 Concen: 46.723 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1871-20191208MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.3

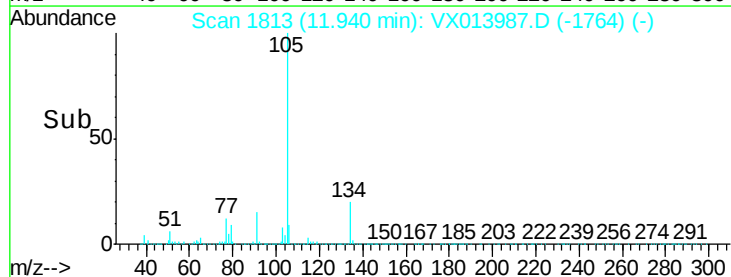
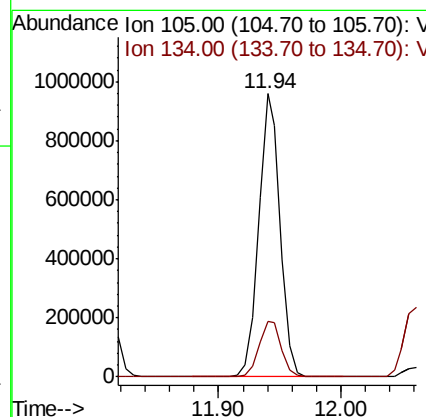
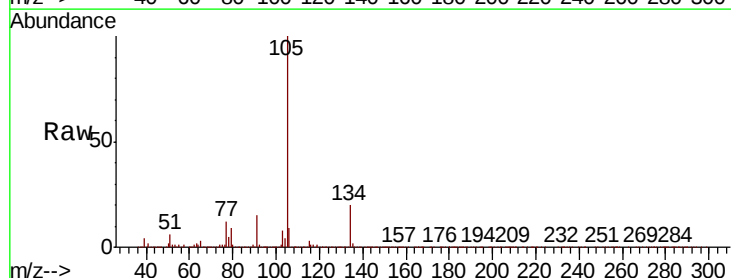
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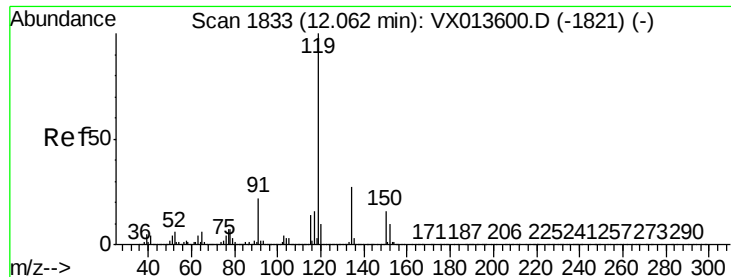
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#85
 sec-Butylbenzene
 Concen: 47.696 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.2





#86

p-Isopropyltoluene

Concen: 46.067 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ1871-20191208MS

Tot Ion:119 Resp: 1046230

Ion Ratio Lower Upper

119 100

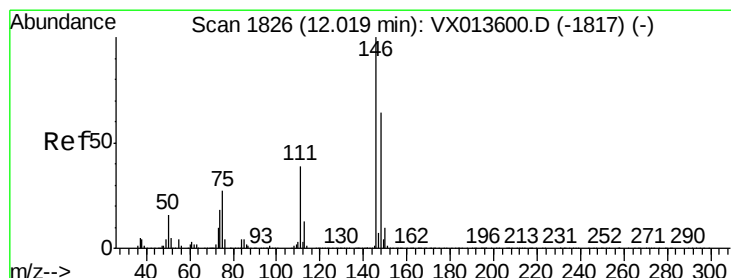
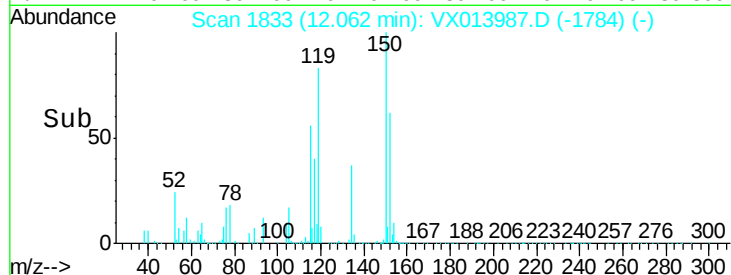
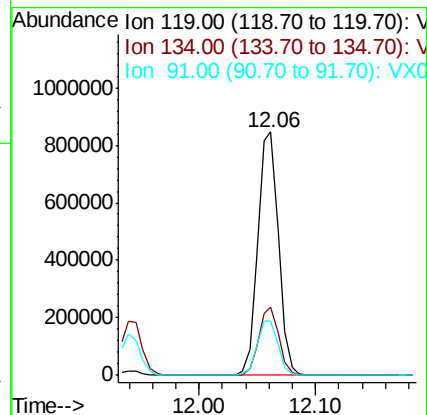
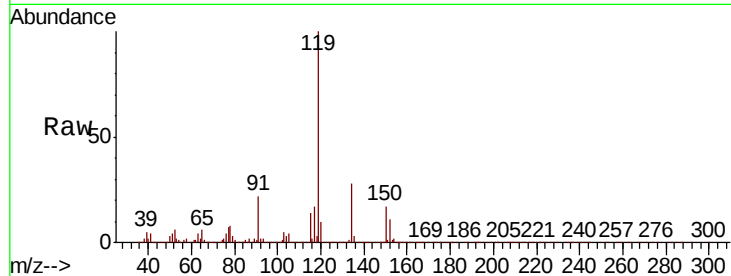
134 27.1 13.3 39.9

91 22.7 11.3 33.8

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#87

1,3-Dichlorobenzene

Concen: 45.232 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

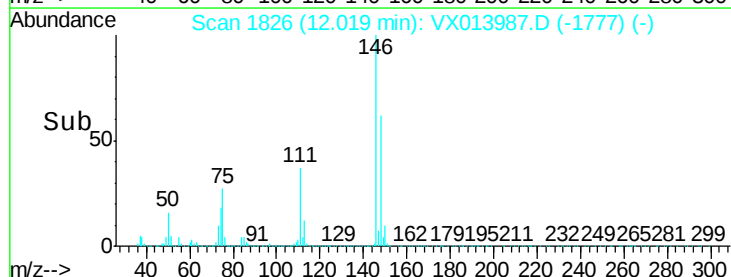
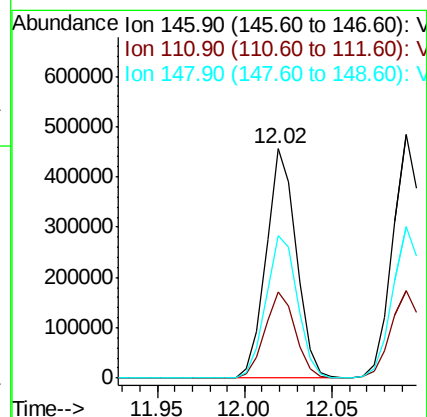
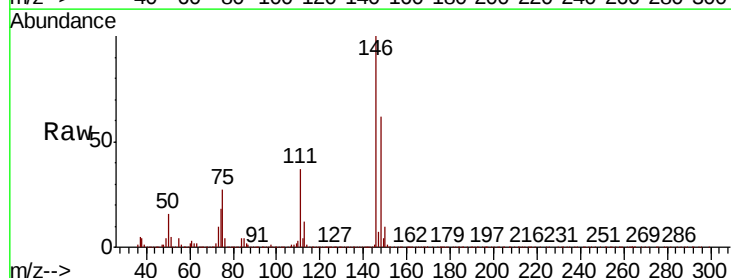
Tgt Ion:146 Resp: 546560

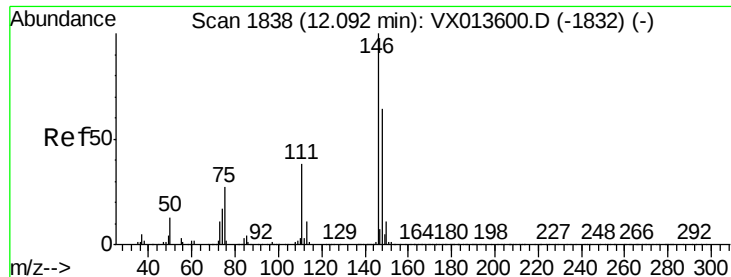
Ion Ratio Lower Upper

146 100

111 38.0 19.0 57.0

148 64.8 31.8 95.4





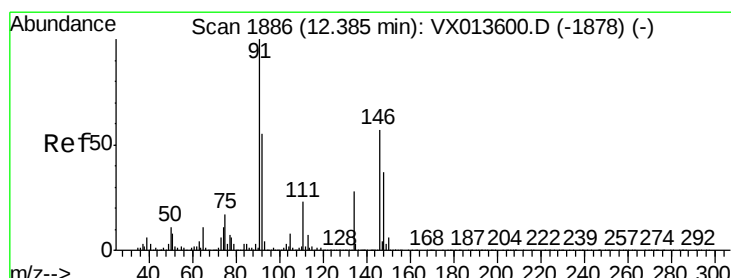
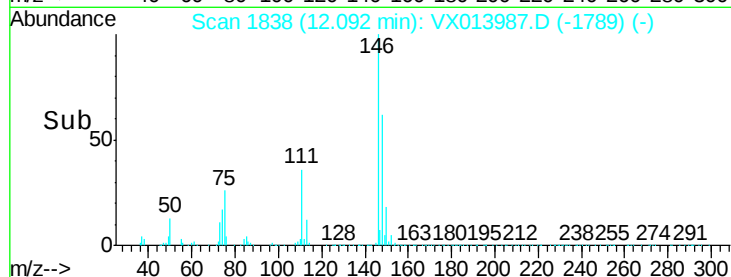
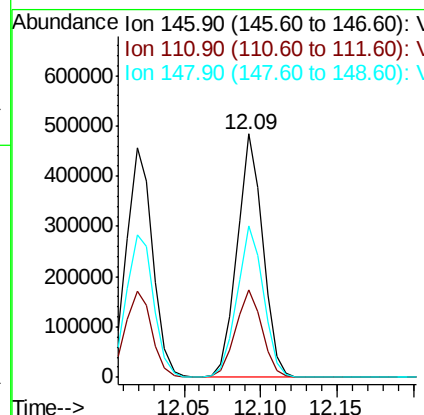
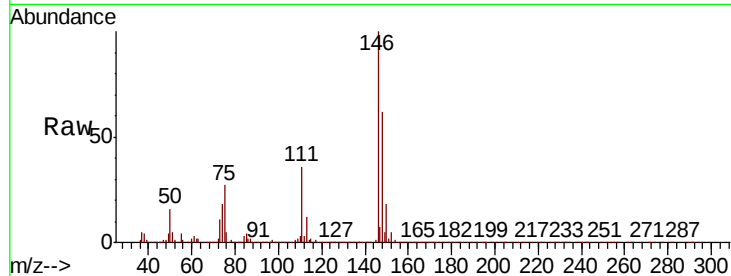
#88
 1,4-Dichlorobenzene
 Concen: 45.698 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1871-20191208MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	63.6	31.9	95.5

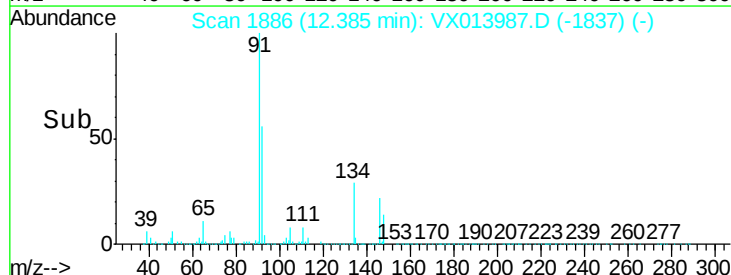
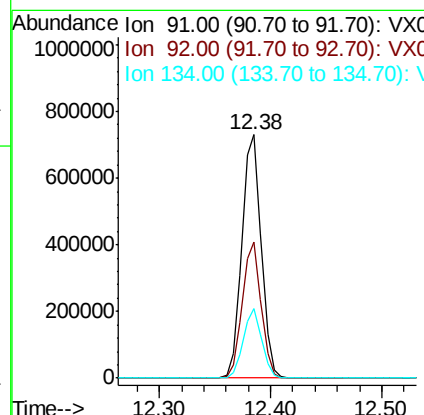
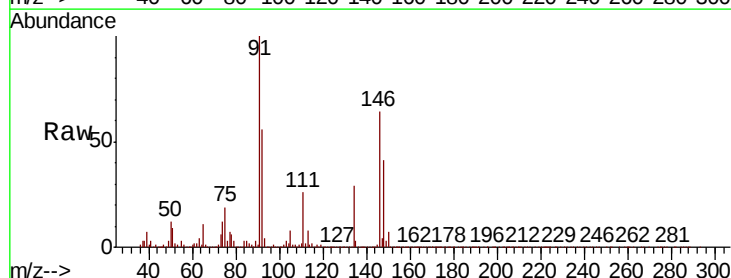
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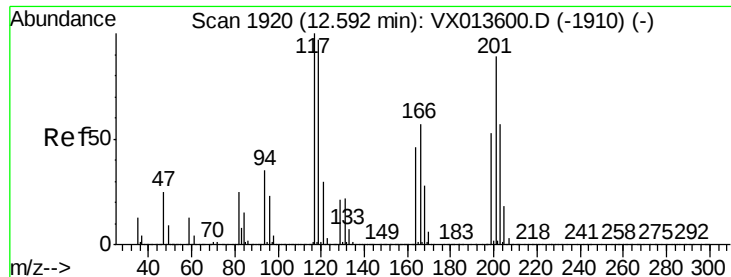
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#89
 n-Butylbenzene
 Concen: 45.240 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	27.3	13.5	40.4





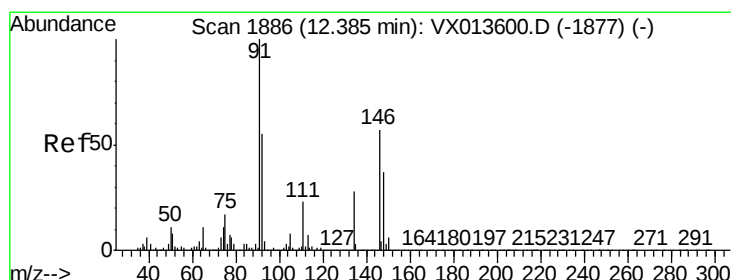
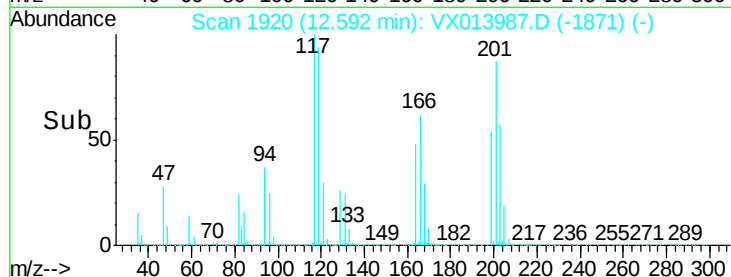
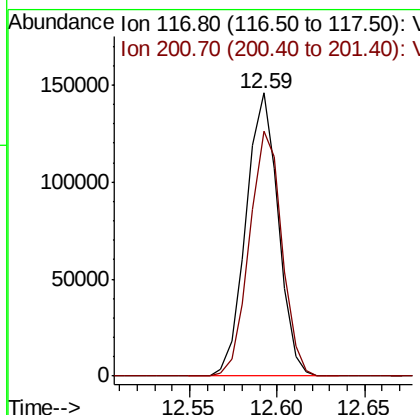
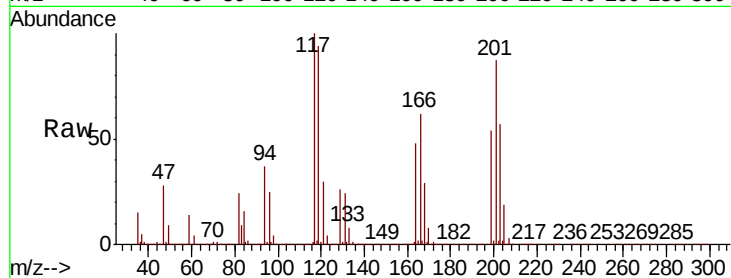
#90
Hexachloroethane
Concen: 45.519 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ1871-20191208MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	186855		
201	87.5	44.1	132.4	

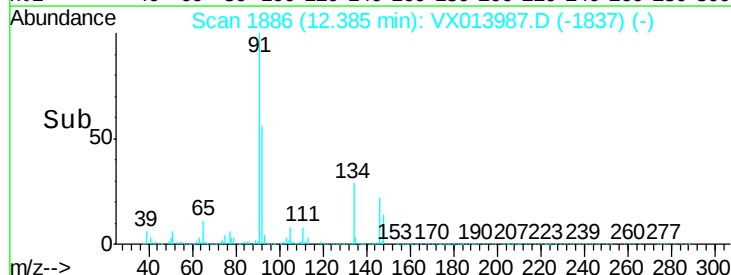
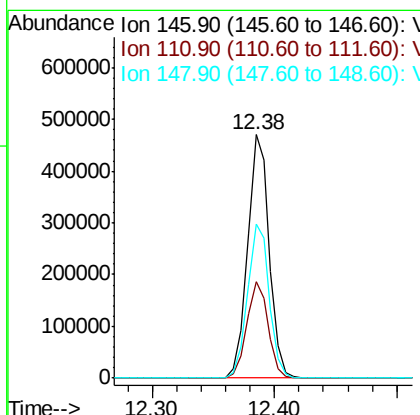
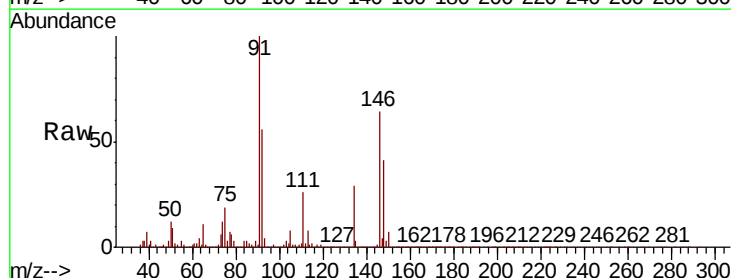
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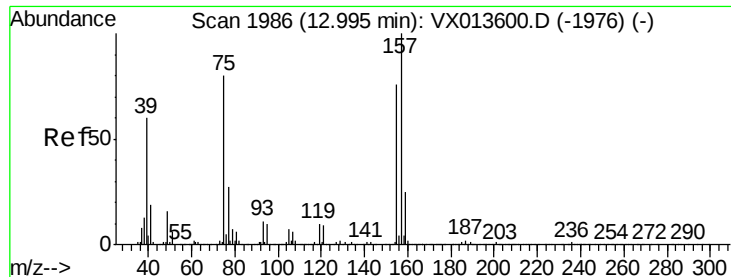
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#91
1,2-Dichlorobenzene
Concen: 48.027 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013987.D
Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	573398		
111	39.5	19.6	58.7	
148	64.1	31.9	95.7	





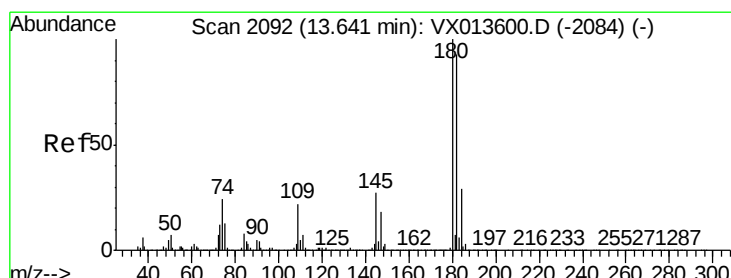
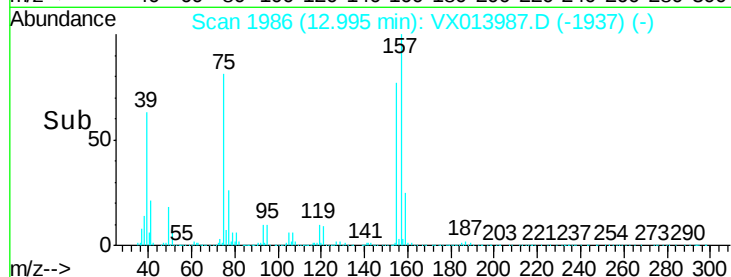
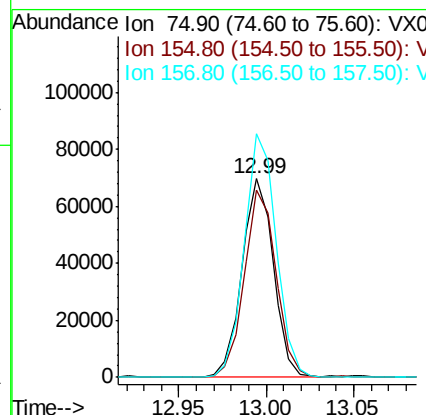
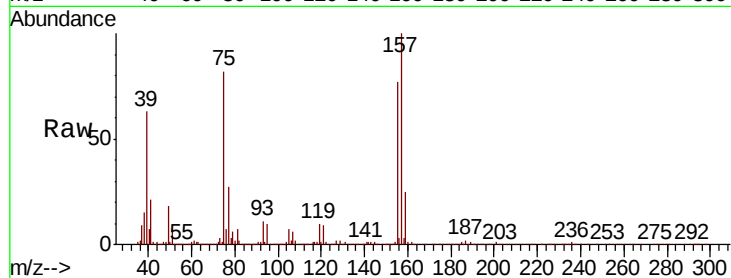
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.607 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	96.1	47.6	142.8
157	125.1	62.1	186.2

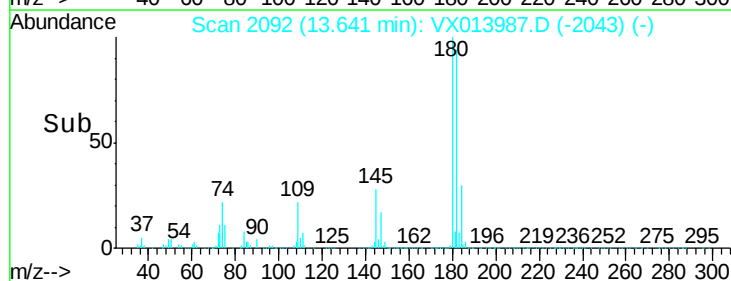
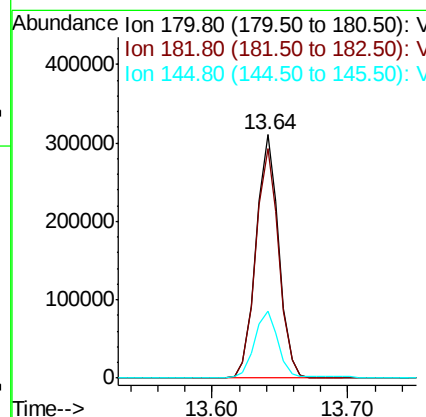
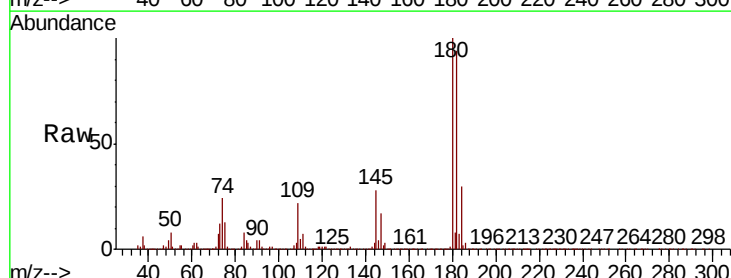
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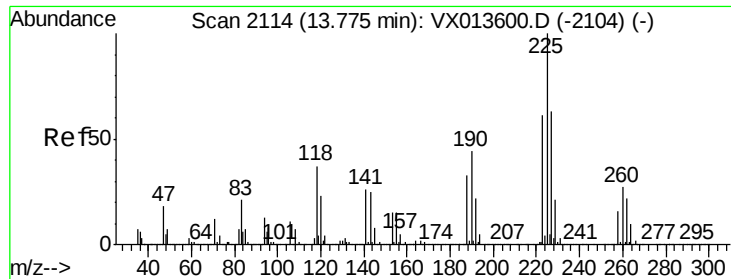
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#93
 1,2,4-Trichlorobenzene
 Concen: 43.785 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.2	141.6
145	29.9	13.8	41.4





#94

Hexachlorobutadiene

Concen: 42.452 ug/l

RT: 13.77 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Instrument :

MSVOA_X

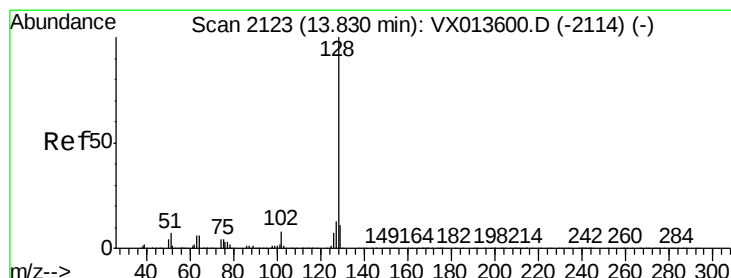
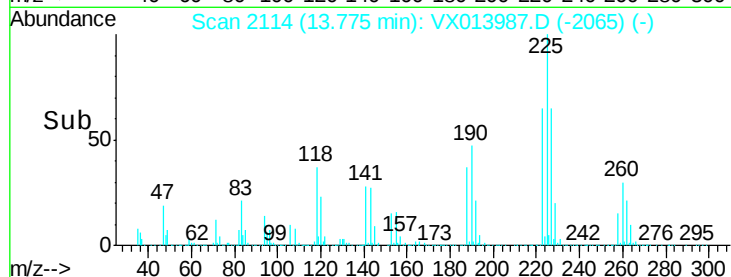
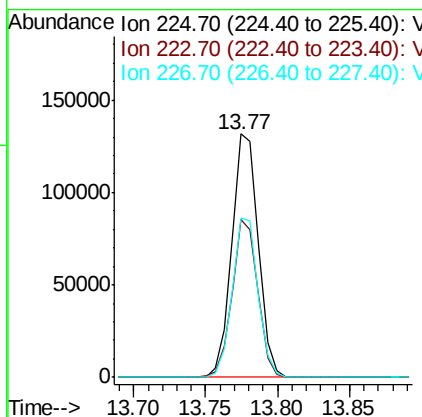
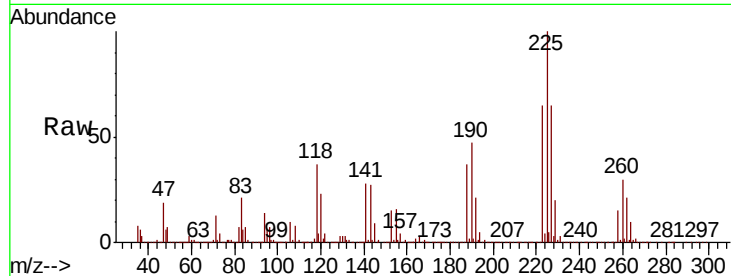
ClientSampleId :

SA-PZ187I-20191208MS

Tot Ion:	225	Resp:	169682
Ion Ratio		Lower	Upper
225	100		
223	62.8	31.9	95.5
227	63.9	32.1	96.3

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#95

Naphthalene

Concen: 44.291 ug/l

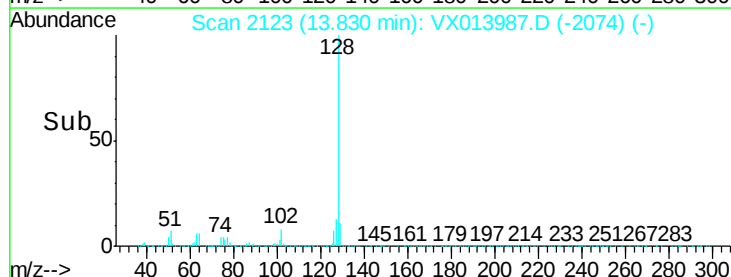
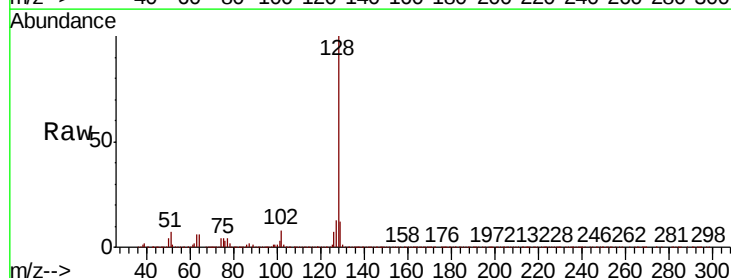
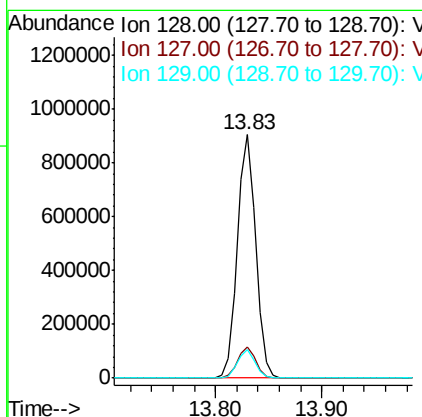
RT: 13.83 min Scan# 2123

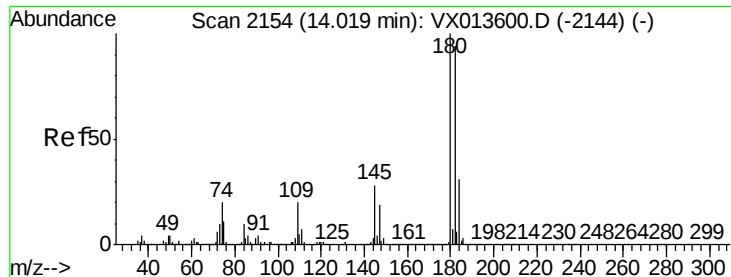
Delta R.T. -0.00 min

Lab File: VX013987.D

Acq: 12 Dec 2019 19:52

Tgt Ion:	128	Resp:	1097497
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.2	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 44.722 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VX013987.D
 Acq: 12 Dec 2019 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ187I-20191208MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.1	47.6	142.8
145	30.8	15.0	45.0

Manual Integrations
 APPROVED

apatel
 12/13/2019 11:25:24 AM

