

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010419\
 Data File : VX006909.D
 Acq On : 04 Jan 2019 12:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:04:14 AM

Quant Time: Jan 04 22:28:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	546955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	790234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	713507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	374302	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	281103	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	5.50	113	255974	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	8.71	98	934040	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	335977	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	197864	39.544	ug/l	99
3) Chloromethane	1.32	50	248576	46.112	ug/l	99
4) Vinyl Chloride	1.41	62	240007	42.629	ug/l	100
5) Bromomethane	1.64	94	234221	44.363	ug/l	96
6) Chloroethane	1.71	64	160238	41.104	ug/l	99
7) Trichlorofluoromethane	1.93	101	407524	46.427	ug/l	100
8) Diethyl Ether	2.19	74	164076	47.061	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	253955	49.274	ug/l	100
10) Methyl Iodide	2.51	142	242750	32.904	ug/l	100
11) Tert butyl alcohol	3.07	59	284374	216.161	ug/l	99
12) 1,1-Dichloroethene	2.37	96	220867	45.196	ug/l	99
13) Acrolein	2.29	56	195749	220.564	ug/l	97
14) Allyl chloride	2.73	41	393723	47.864	ug/l	99
15) Acrylonitrile	3.15	53	713804	244.372	ug/l	99
16) Acetone	2.45	43	645781	238.447	ug/l	100
17) Carbon Disulfide	2.57	76	468457	36.223	ug/l	98
18) Methyl Acetate	2.78	43	428041	53.750	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	831840	51.286	ug/l	98
20) Methylene Chloride	2.86	84	258313	46.125	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	236393	43.658	ug/l	93
22) Diisopropyl ether	3.87	45	786250	52.248	ug/l	99
23) Vinyl Acetate	3.82	43	3123713	253.769	ug/l	98
24) 1,1-Dichloroethane	3.70	63	440260	49.009	ug/l	99
25) 2-Butanone	4.70	43	911962	239.390	ug/l	98
26) 2,2-Dichloropropane	4.58	77	341073	49.151	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	285848	47.848	ug/l	98
28) Bromochloromethane	5.02	49	188209	49.689	ug/l	97
29) Tetrahydrofuran	5.15	42	597960	238.319	ug/l	98
30) Chloroform	5.21	83	462769	49.746	ug/l	100
31) Cyclohexane	5.57	56	357639	43.822	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	390247	49.681	ug/l	99
36) 1,1-Dichloropropene	5.79	75	328083	50.128	ug/l	99
37) Ethyl Acetate	4.85	43	349252	51.269	ug/l	99
38) Carbon Tetrachloride	5.78	117	333670	52.458	ug/l	96

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Quant Time: Jan 04 22:28:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	405571	47.069	ug/l	99
40) Benzene	6.14	78	998524	50.191	ug/l	99
41) Methacrylonitrile	5.06	41	197785	54.687	ug/l	98
42) 1,2-Dichloroethane	6.20	62	347065	51.196	ug/l	99
43) Isopropyl Acetate	6.46	43	577476	55.714	ug/l	98
44) Trichloroethene	7.21	130	292779	48.623	ug/l	95
45) 1,2-Dichloropropane	7.51	63	260513	53.810	ug/l	96
46) Dibromomethane	7.66	93	184053	51.685	ug/l	99
47) Bromodichloromethane	7.90	83	328577	55.577	ug/l	98
48) Methyl methacrylate	7.77	41	288631	54.760	ug/l	99
49) 1,4-Dioxane	7.75	88	117662	850.205	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1779811	269.877	ug/l	99
52) Toluene	8.79	92	649232	50.513	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	367168	57.907	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	400097	57.507	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	280767	53.369	ug/l	99
56) Ethyl methacrylate	9.18	69	403505	54.267	ug/l	95
57) 1,3-Dichloropropane	9.37	76	445220	52.601	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1033871	261.576	ug/l	99
59) 2-Hexanone	9.49	43	1315801	260.768	ug/l	100
60) Dibromochloromethane	9.58	129	287743	52.189	ug/l	99
61) 1,2-Dibromoethane	9.67	107	296825	53.076	ug/l	100
64) Tetrachloroethene	9.34	164	280833	49.706	ug/l	97
65) Chlorobenzene	10.14	112	764008	50.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	279413	59.329	ug/l	99
67) Ethyl Benzene	10.25	91	1253034	50.800	ug/l	99
68) m/p-Xylenes	10.36	106	983944	101.092	ug/l	98
69) o-Xylene	10.70	106	480939	50.039	ug/l	96
70) Styrene	10.71	104	792827	52.140	ug/l	99
71) Bromoform	10.86	173	212263	49.970	ug/l	99
73) Isopropylbenzene	11.02	105	1301226	50.816	ug/l	100
74) N-amyl acetate	10.90	43	516310	56.331	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	402385	52.838	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	370565m	53.272	ug/l	
77) Bromobenzene	11.26	156	352996	50.990	ug/l	98
78) n-propylbenzene	11.36	91	1470129	52.136	ug/l	98
79) 2-Chlorotoluene	11.42	91	843474	49.360	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1083197	51.357	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	111178	48.755	ug/l	100
82) 4-Chlorotoluene	11.51	91	993401	50.680	ug/l	100
83) tert-Butylbenzene	11.77	119	1124680	53.279	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1104995	49.809	ug/l	100
85) sec-Butylbenzene	11.94	105	1323898	51.153	ug/l	100
86) p-Isopropyltoluene	12.07	119	1190341	52.322	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	634675	50.868	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	637797	49.865	ug/l	100
89) n-Butylbenzene	12.39	91	1024797	52.929	ug/l	99
90) Hexachloroethane	12.60	117	181041	50.791	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	633290	50.740	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	79408	50.394	ug/l	97

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ClientSampleId :
VSTDCCC050

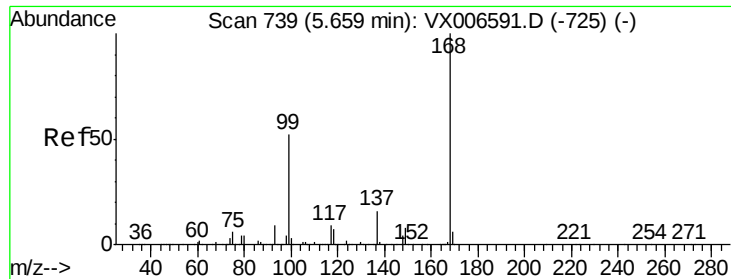
Manual Integrations
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1/7/2019 11:04:14 AM

Quant Time: Jan 04 22:28:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	449803	52.246	ug/l	99
94) Hexachlorobutadiene	13.78	225	194907	48.030	ug/l	99
95) Naphthalene	13.83	128	1329463	48.382	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	442758	49.809	ug/l	98

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



#1

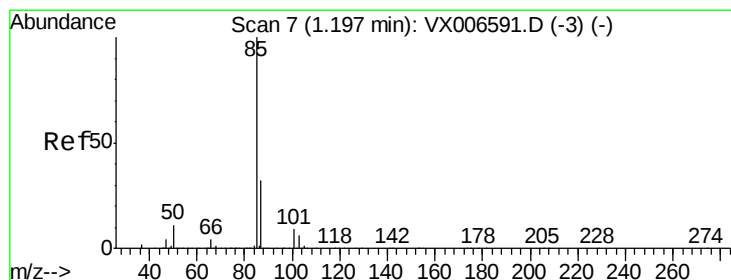
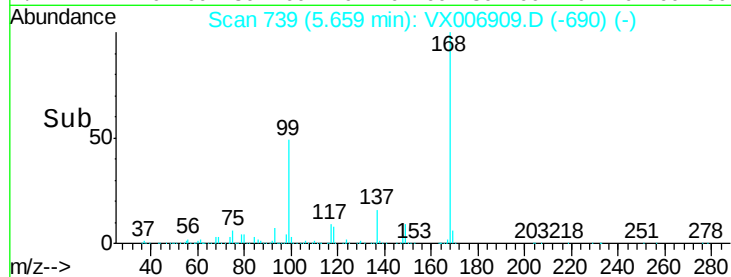
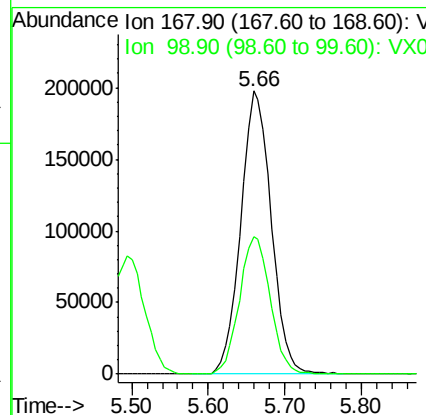
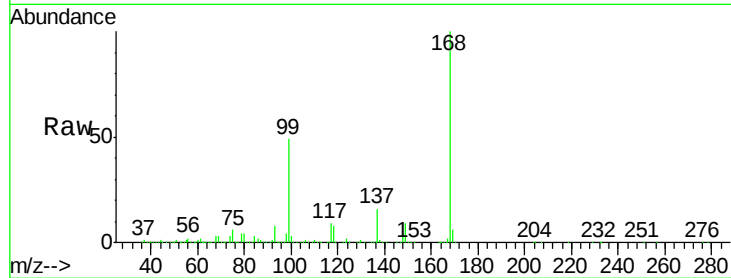
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VX006909.D
 Acq: 04 Jan 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.5	41.8	62.8

Manual Integrations
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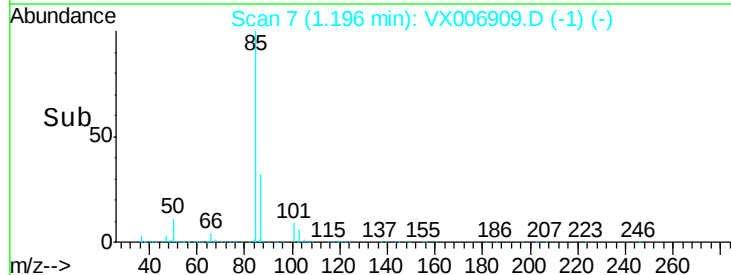
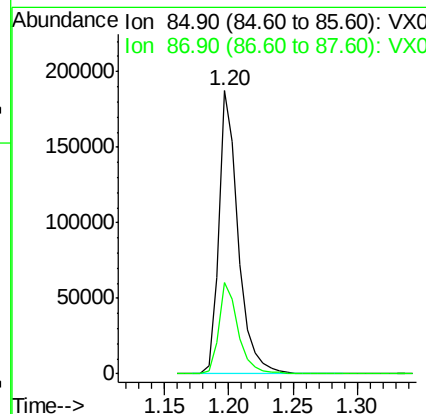
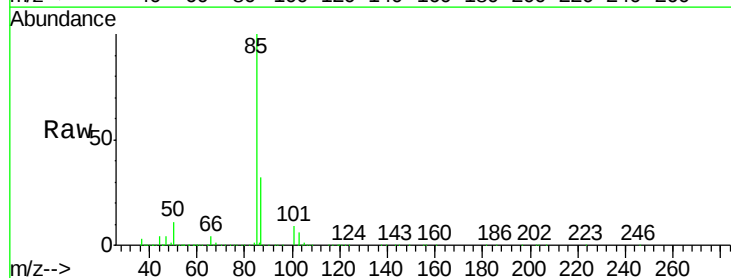
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#2

Dichlorodifluoromethane
 Concen: 39.544 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX006909.D
 Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.9	47.6





#3

Chloromethane

Concen: 46.112 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 248576

Ion Ratio Lower Upper

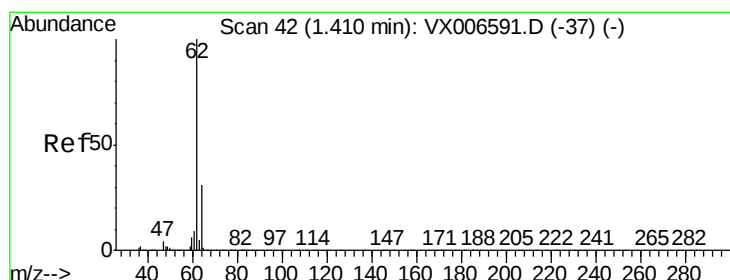
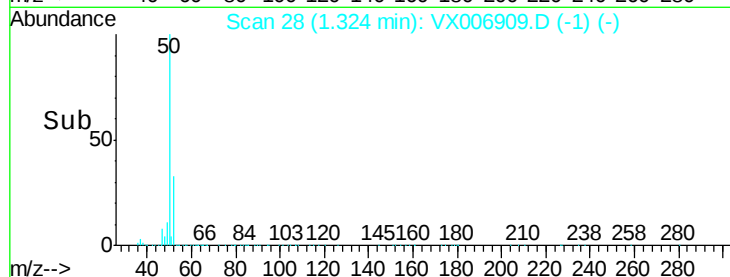
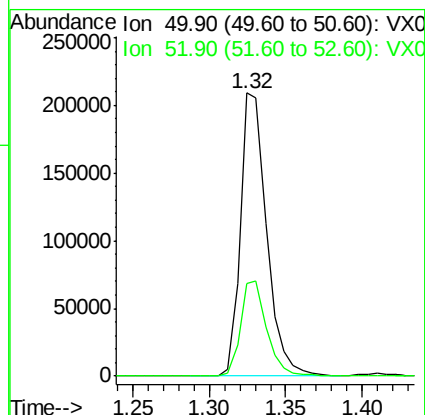
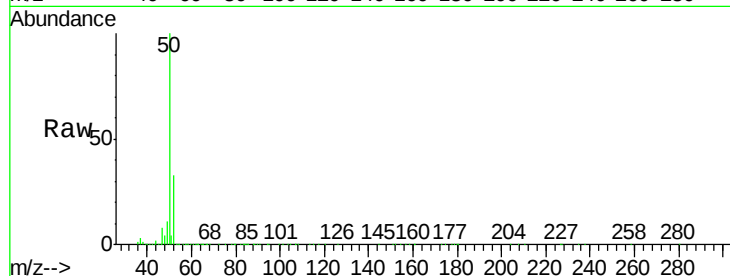
50 100

52 32.5 25.4 38.2

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#4

Vinyl Chloride

Concen: 42.629 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006909.D

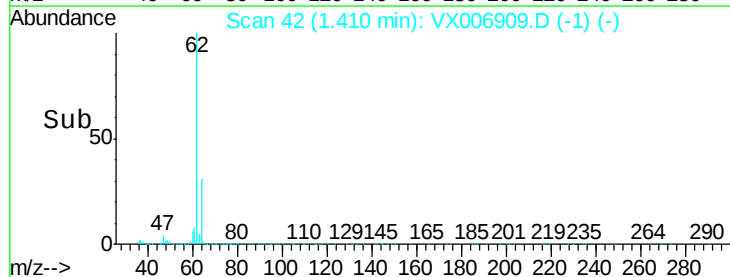
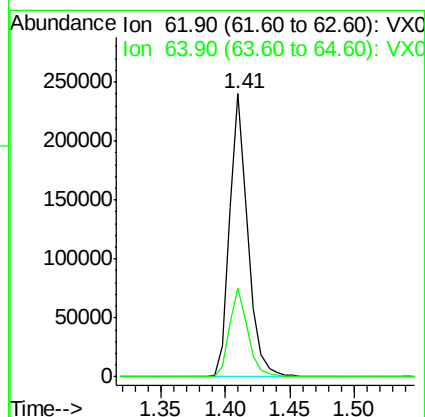
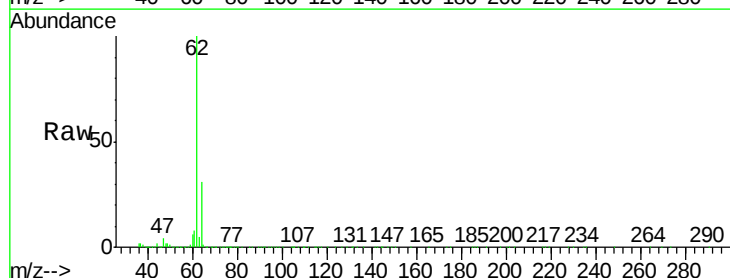
Acq: 04 Jan 2019 12:06

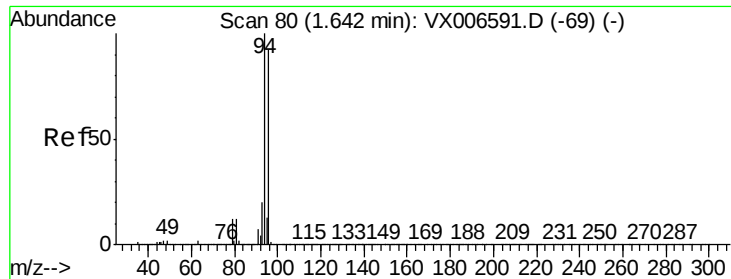
Tgt Ion: 62 Resp: 240007

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 44.363 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 234221

Ion Ratio Lower Upper

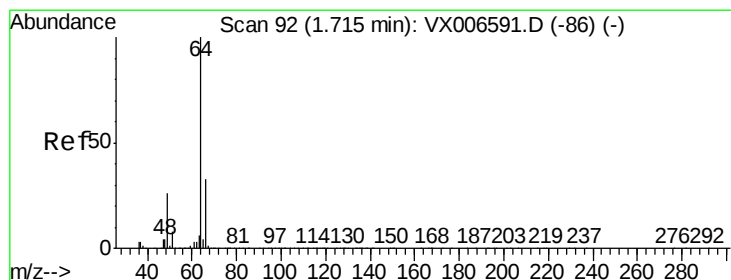
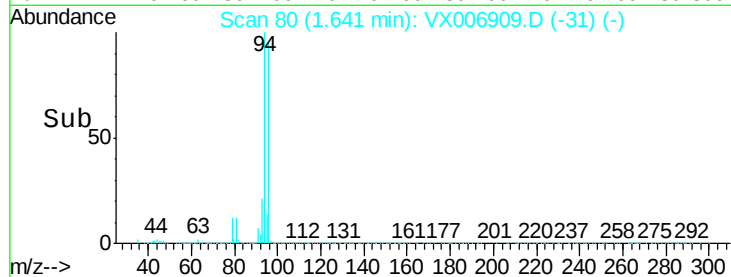
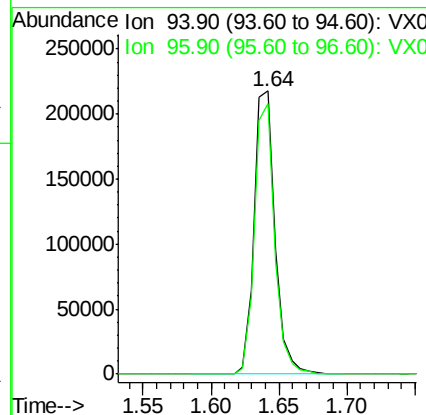
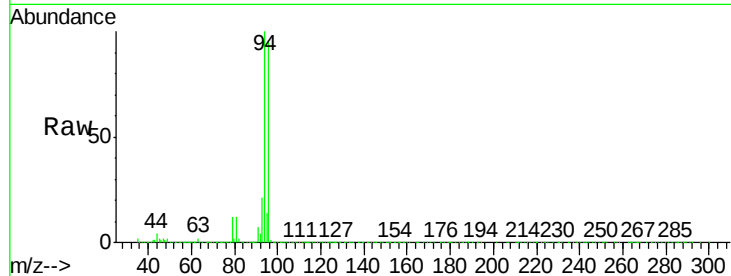
94 100

96 95.5 73.4 110.2

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#6

Chloroethane

Concen: 41.104 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006909.D

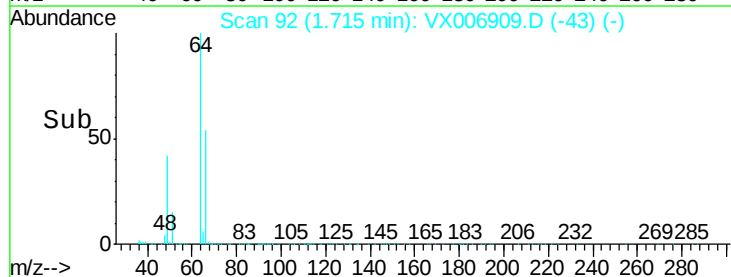
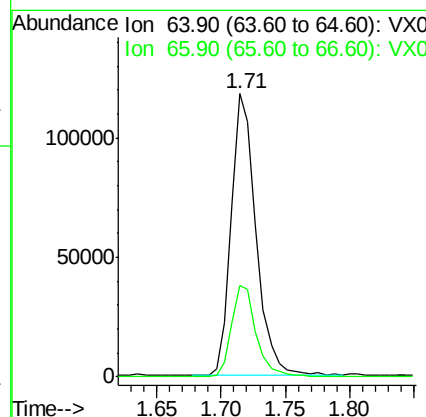
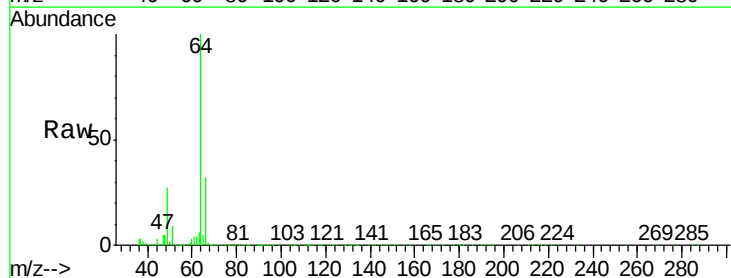
Acq: 04 Jan 2019 12:06

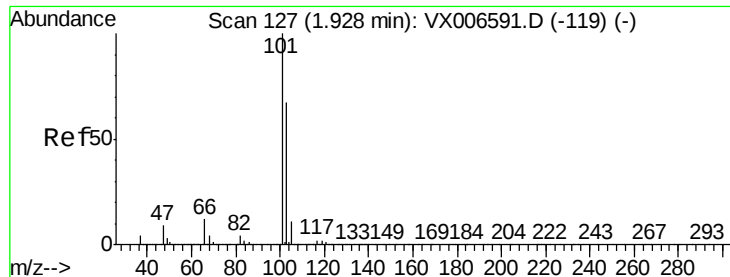
Tgt Ion: 64 Resp: 160238

Ion Ratio Lower Upper

64 100

66 32.2 26.4 39.6





#7

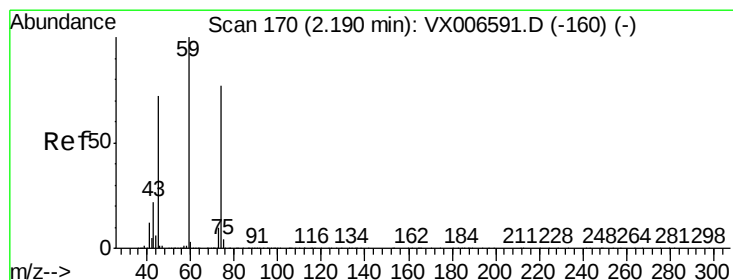
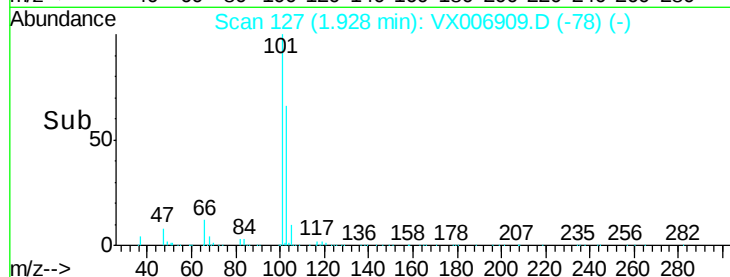
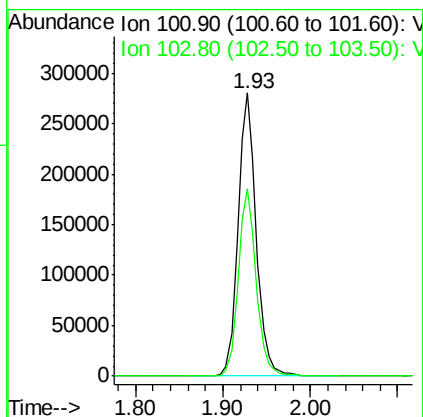
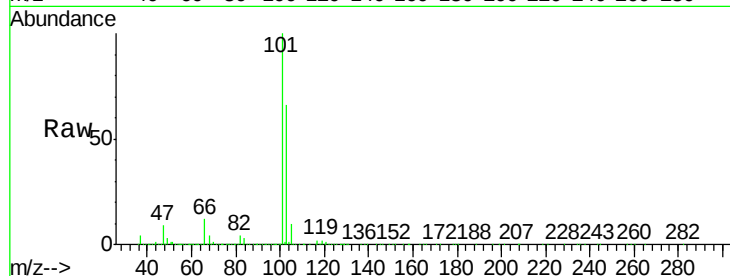
Trichlorofluoromethane
Concen: 46.427 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.2	79.8

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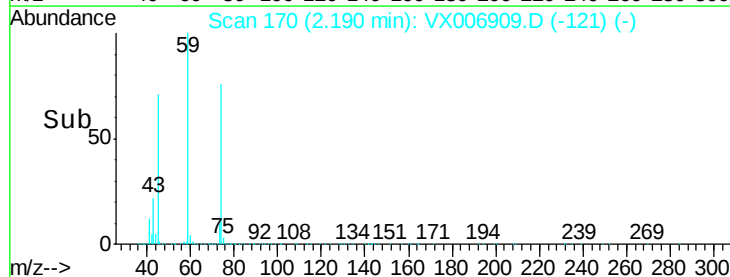
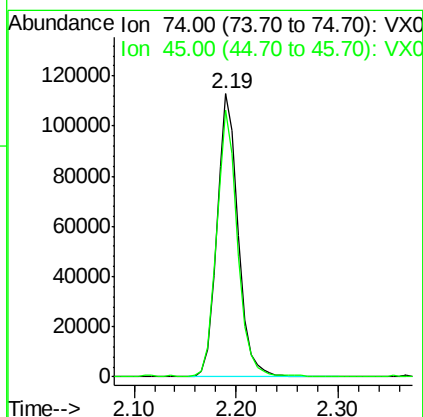
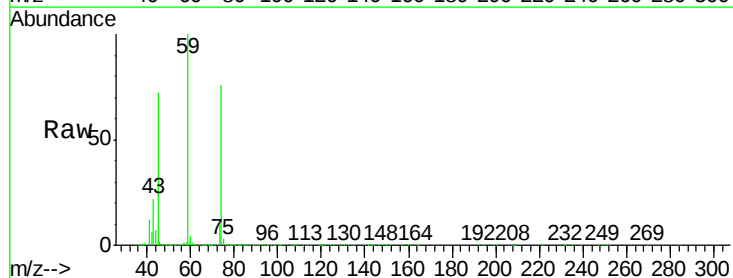
MMDadoda
1/7/2019 11:04:14 AM

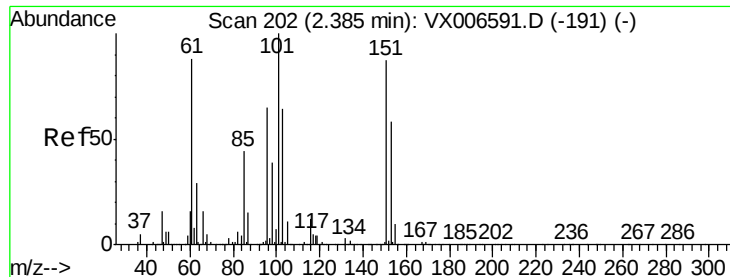


#8

Diethyl Ether
Concen: 47.061 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.274 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

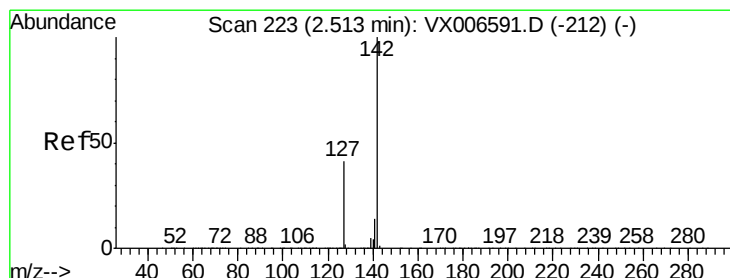
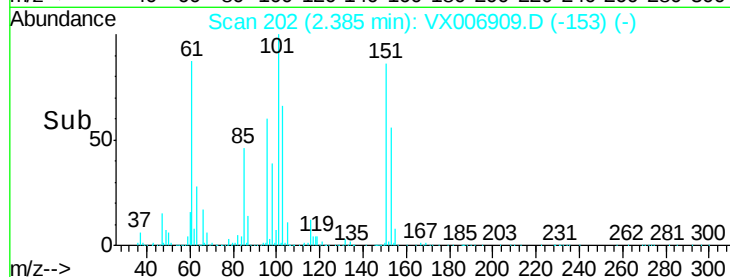
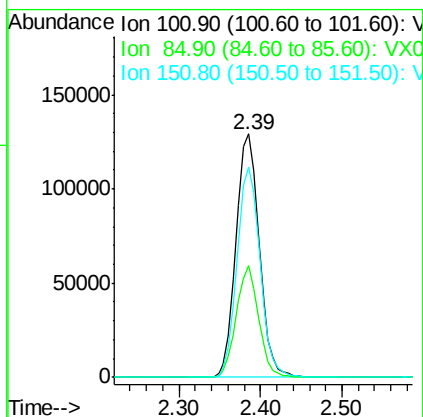
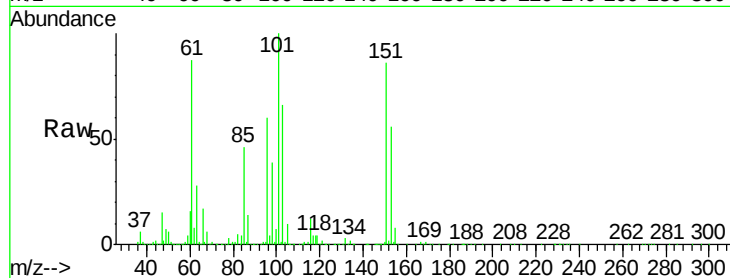
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	253955
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	85.7	68.9	103.3

Manual Integrations
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1/7/2019 11:04:14 AM



#10

Methyl Iodide

Concen: 32.904 ug/l

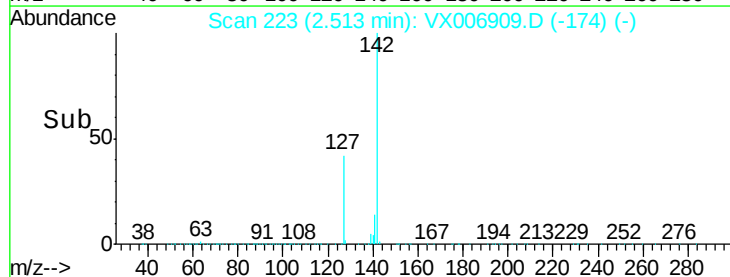
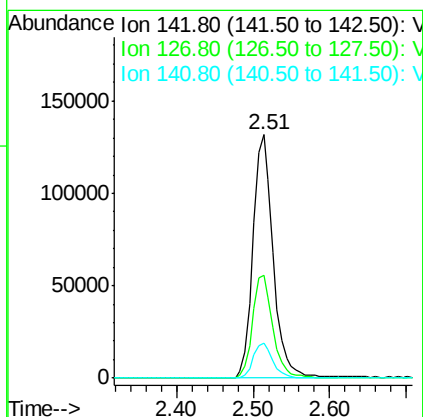
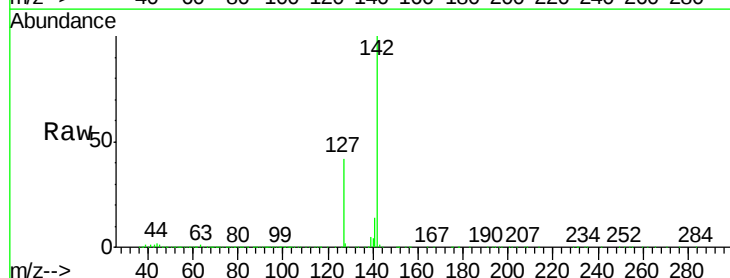
RT: 2.51 min Scan# 223

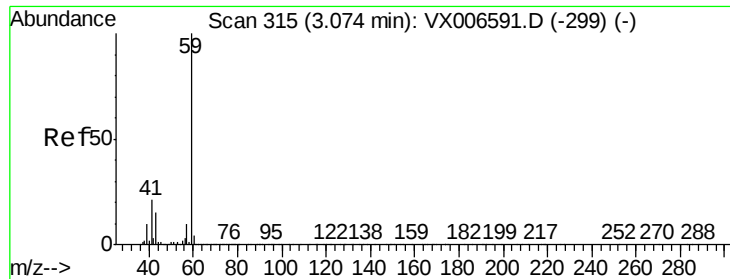
Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion:	142	Resp:	242750
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.9	50.9
141	14.3	11.4	17.0





#11

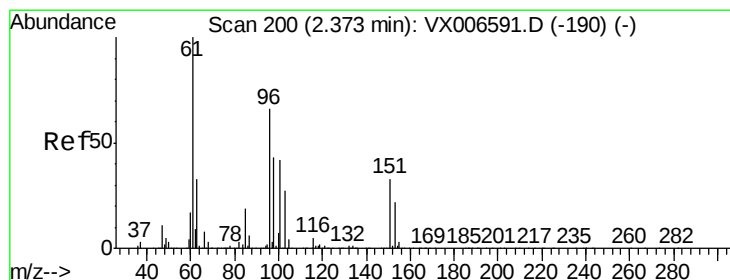
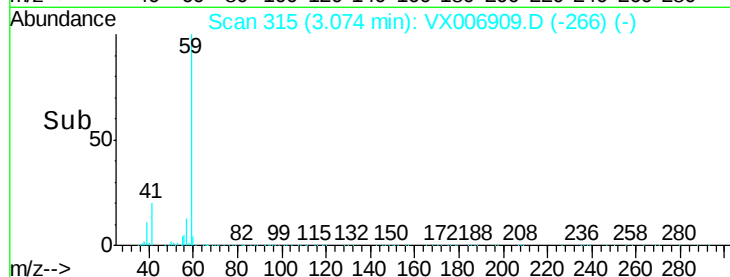
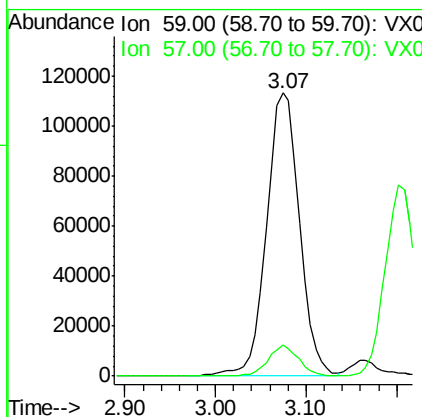
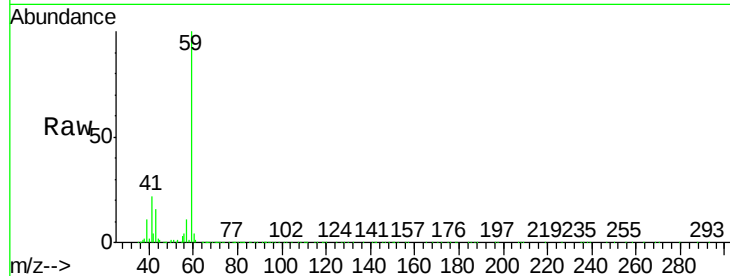
Tert butyl alcohol
Concen: 216.161 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
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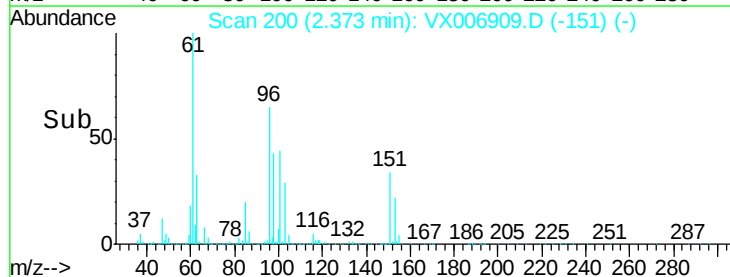
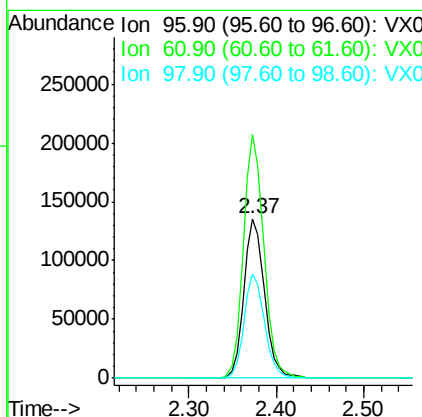
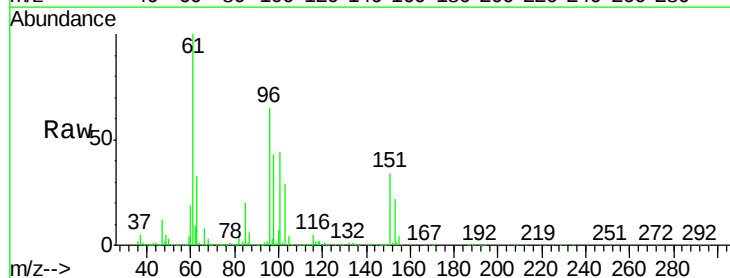
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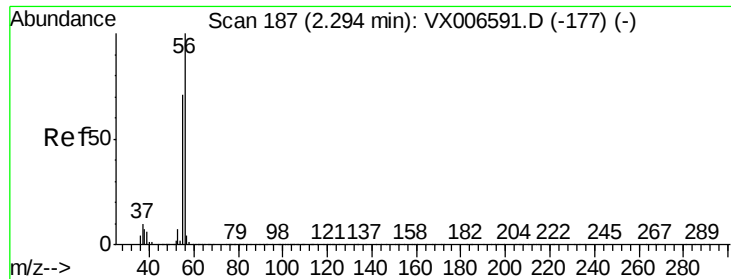


#12

1,1-Dichloroethene
Concen: 45.196 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.7	121.4	182.2
98	65.1	51.9	77.9





#13

Acrolein

Concen: 220.564 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 195749

Ion Ratio Lower Upper

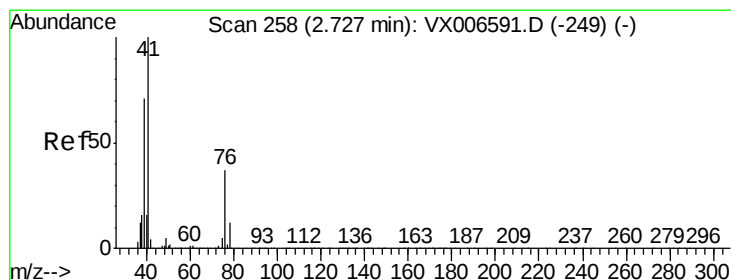
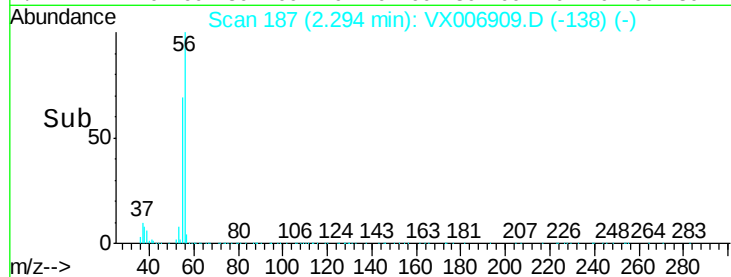
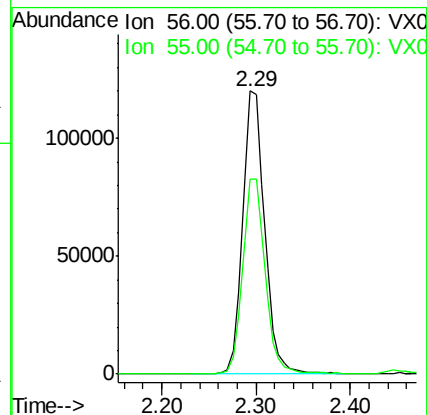
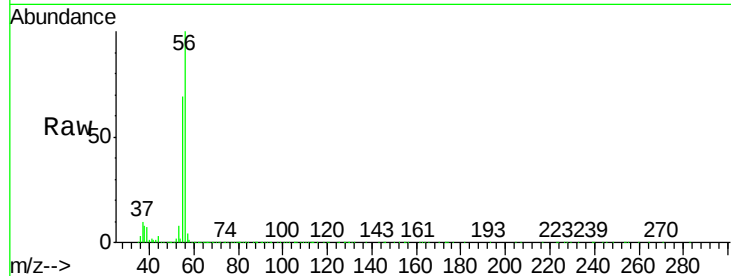
56 100

55 70.6 58.2 87.4

Manual Integrations
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#14

Allyl chloride

Concen: 47.864 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

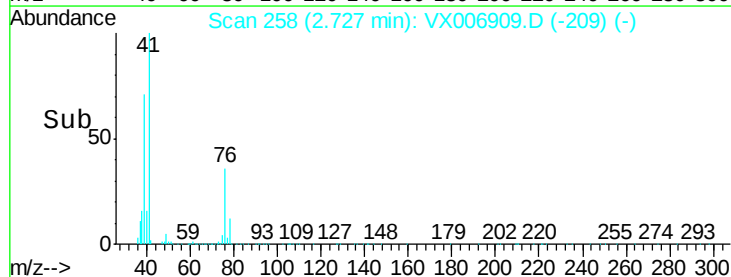
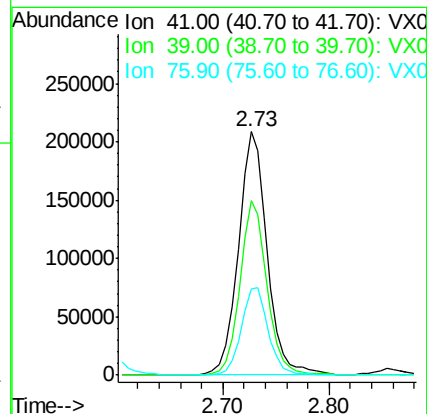
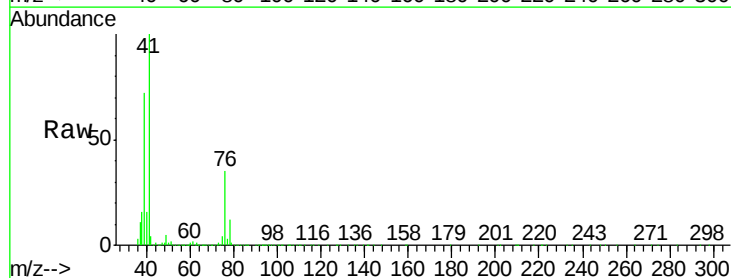
Tgt Ion: 41 Resp: 393723

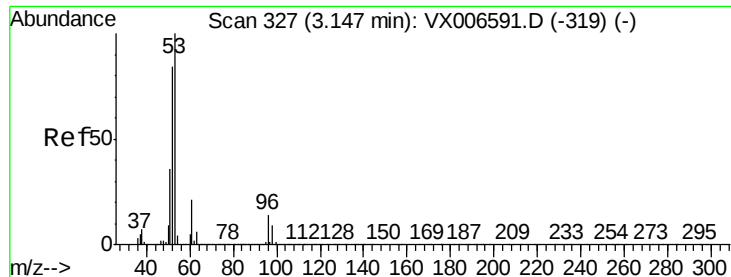
Ion Ratio Lower Upper

41 100

39 67.2 53.6 80.4

76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 244.372 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

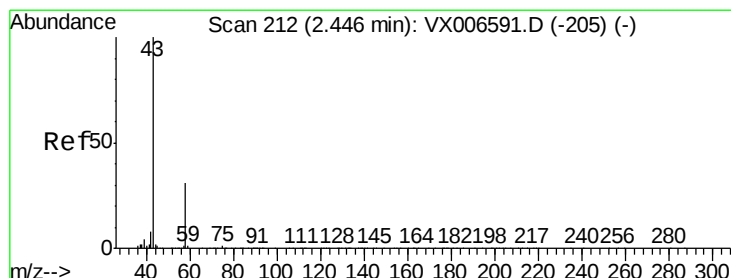
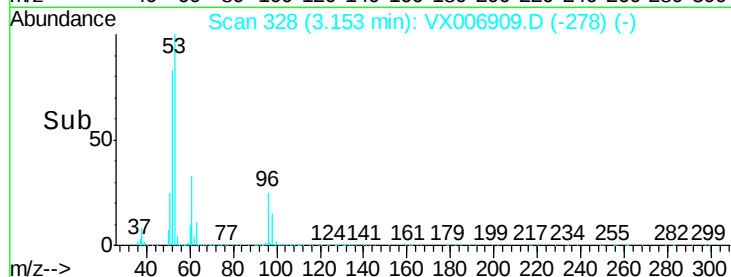
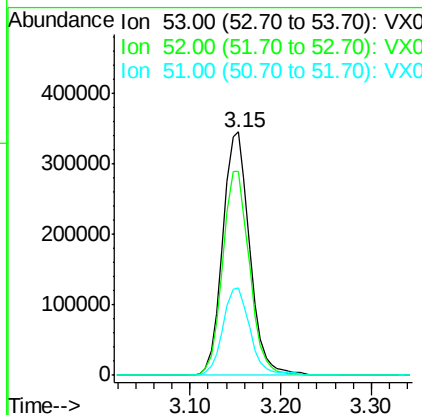
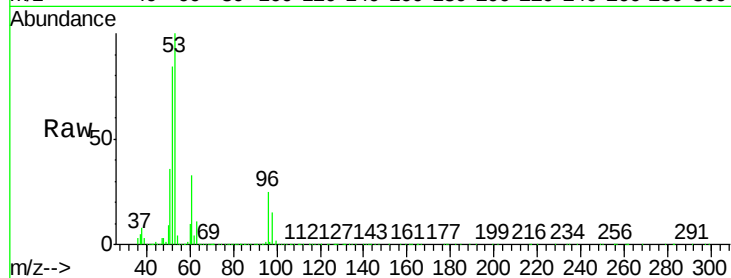
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	713804
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.0	99.0
51	36.4	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 238.447 ug/l

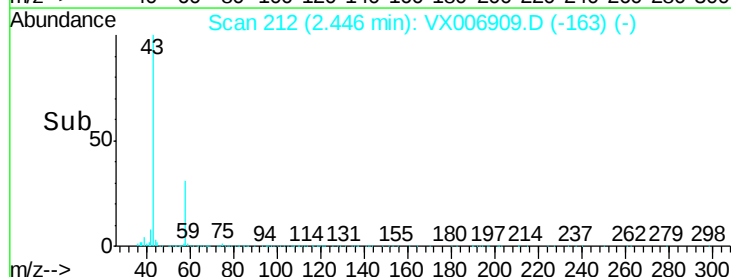
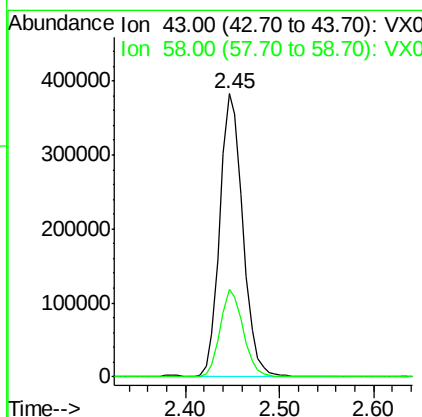
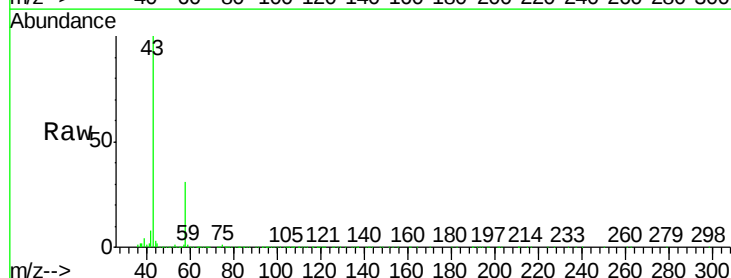
RT: 2.45 min Scan# 212

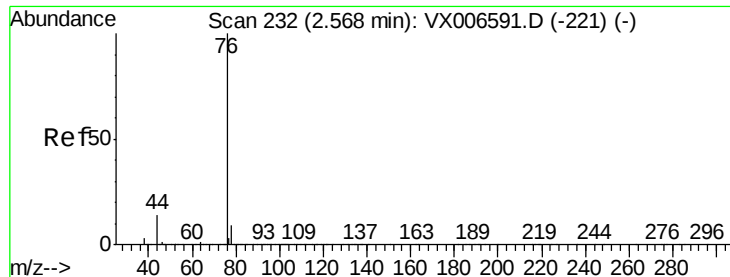
Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion:	43	Resp:	645781
Ion Ratio		Lower	Upper
43	100		
58	31.1	25.0	37.6





#17

Carbon Disulfide

Concen: 36.223 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 468457

Ion Ratio Lower Upper

76 100

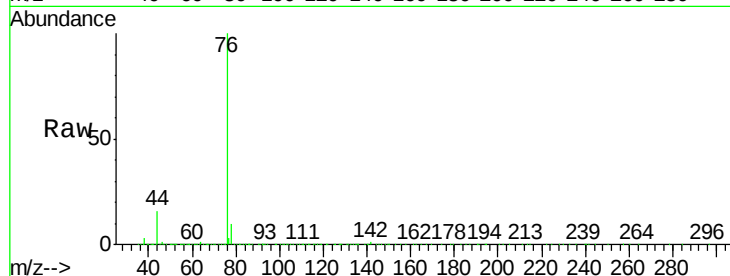
78 9.5 7.0 10.6

Manual Integrations

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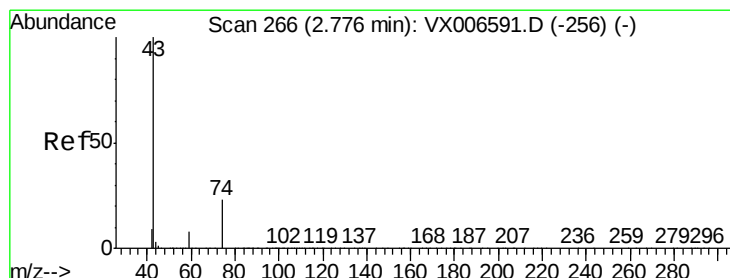
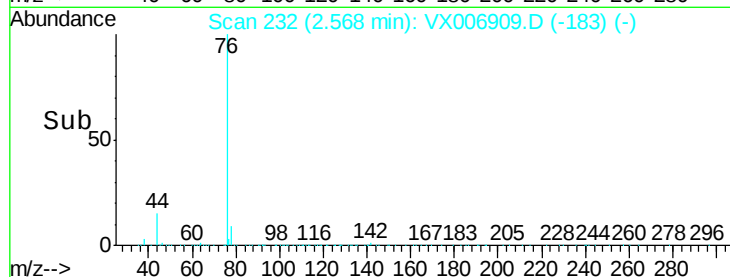
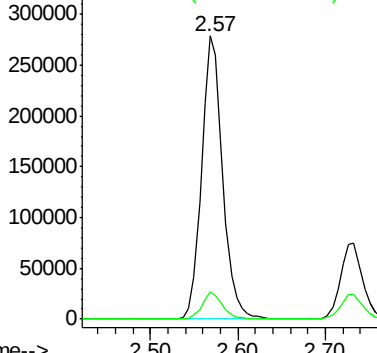
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 53.750 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX006909.D

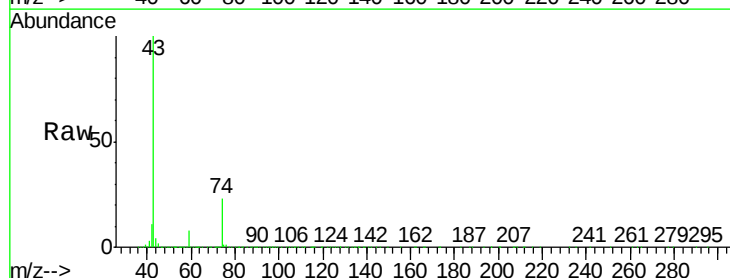
Acq: 04 Jan 2019 12:06

Tgt Ion: 43 Resp: 428041

Ion Ratio Lower Upper

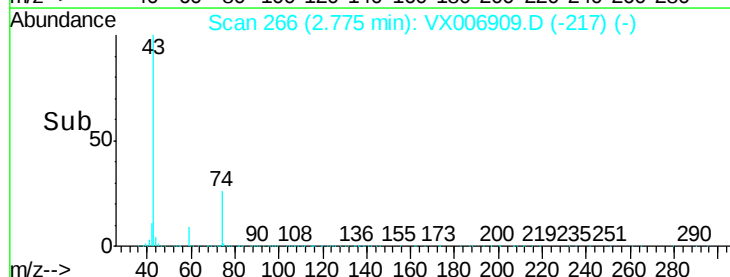
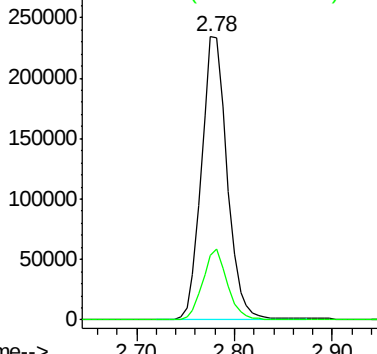
43 100

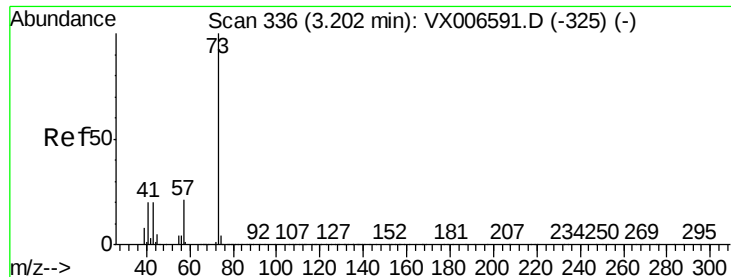
74 24.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





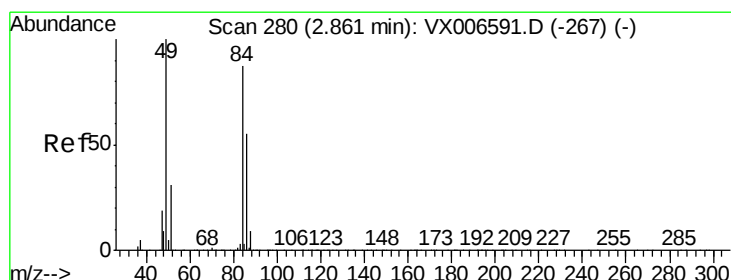
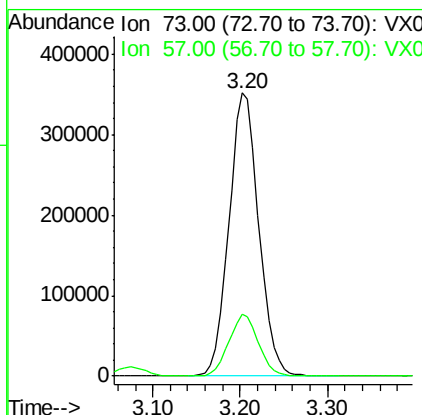
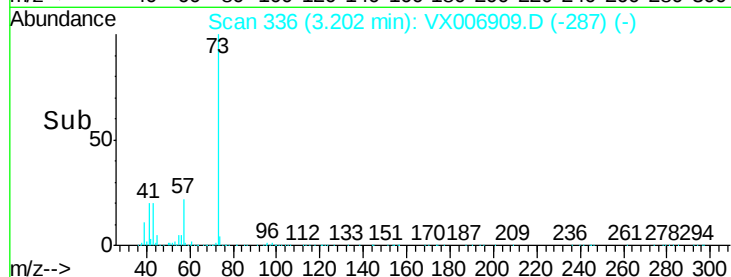
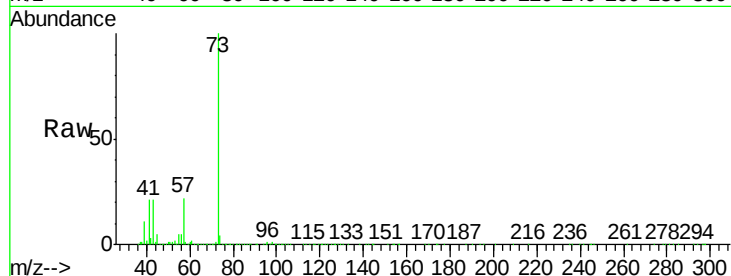
#19
Methvl tert-butvl Ether
Concen: 51.286 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.8	25.2

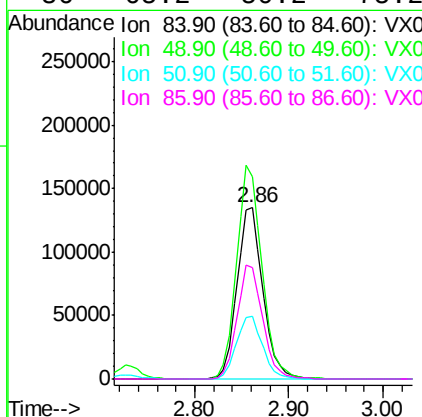
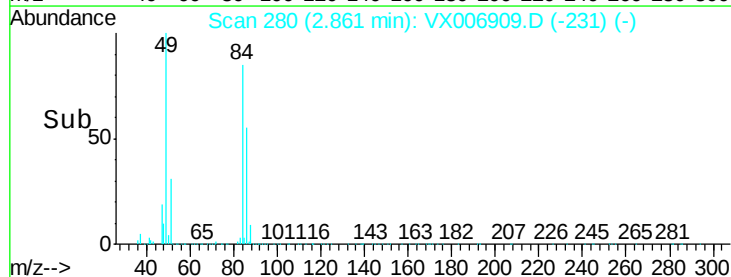
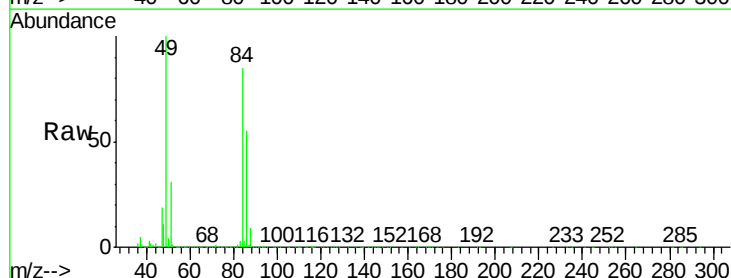
Manual Integrations
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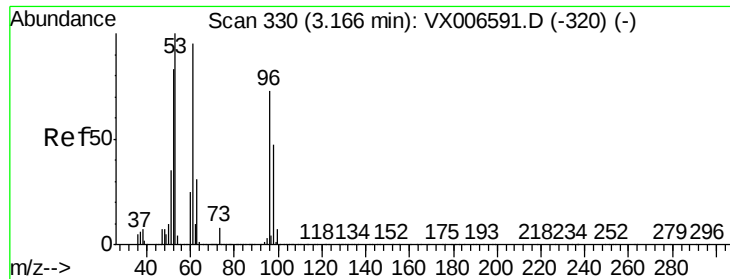
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#20
Methylene Chloride
Concen: 46.125 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.5	91.8	137.6
51	36.4	28.5	42.7
86	65.2	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 43.658 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006909.D

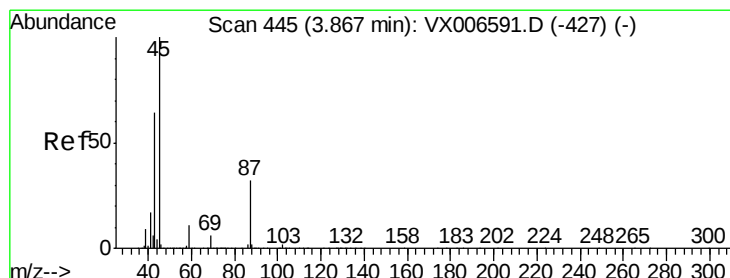
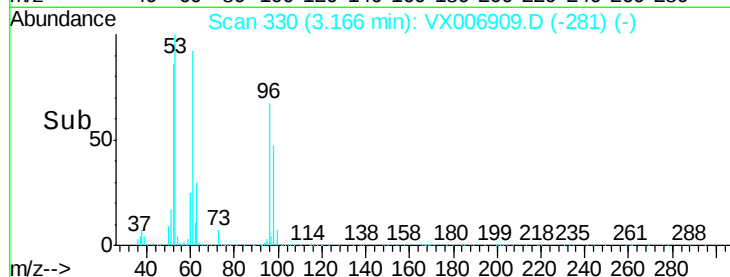
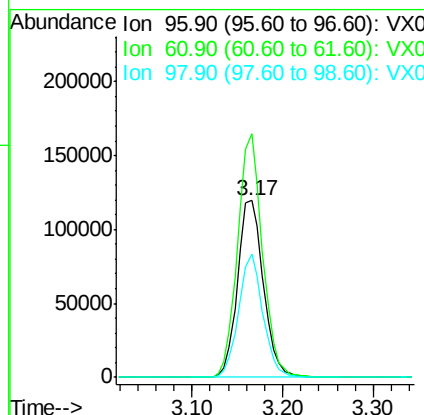
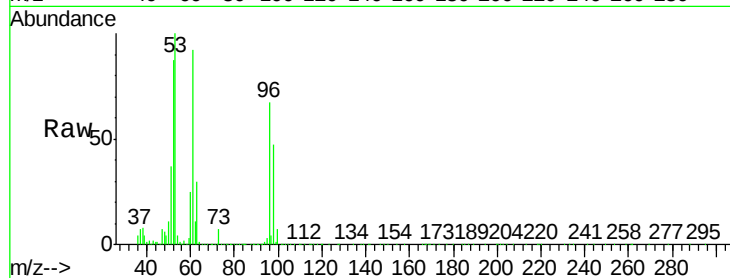
Acq: 04 Jan 2019 12:06

Tot Ion:	96	Resp:	236393
Ion	Ratio	Lower	Upper
96	100		
61	137.7	103.7	155.5
98	69.5	51.0	76.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.248 ug/l

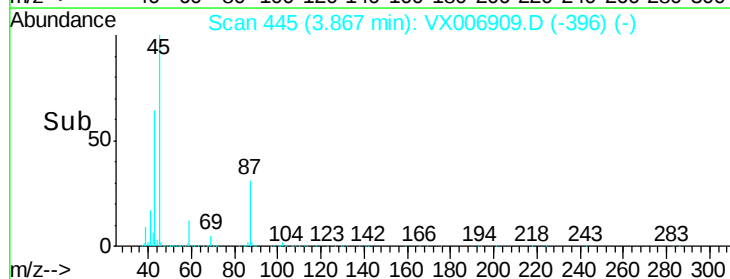
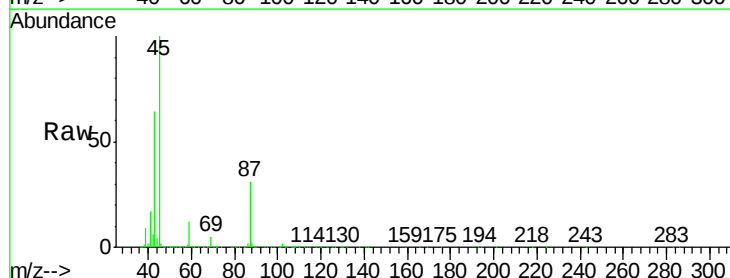
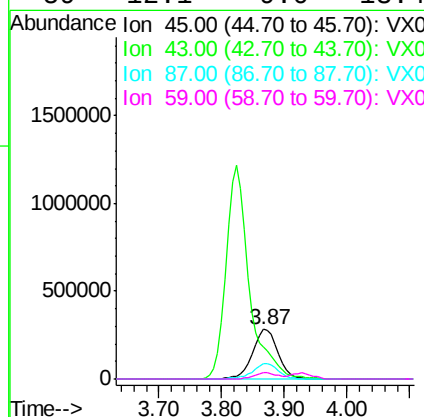
RT: 3.87 min Scan# 445

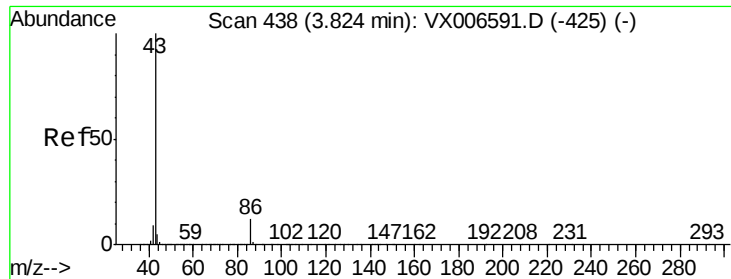
Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion:	45	Resp:	786250
Ion	Ratio	Lower	Upper
45	100		
43	63.7	51.2	76.8
87	30.5	25.8	38.6
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 253.769 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3123713

Ion Ratio Lower Upper

43 100

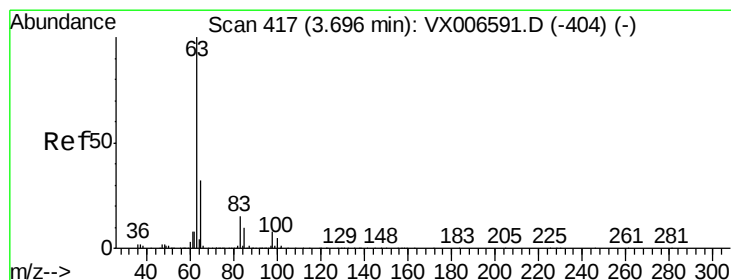
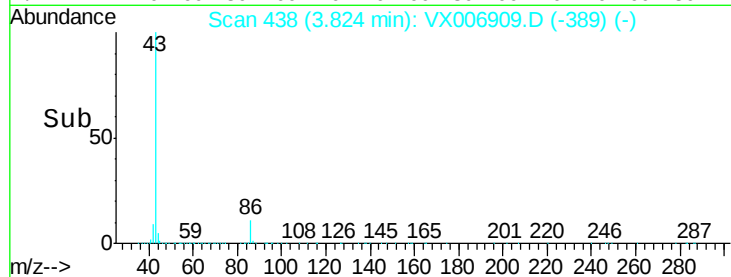
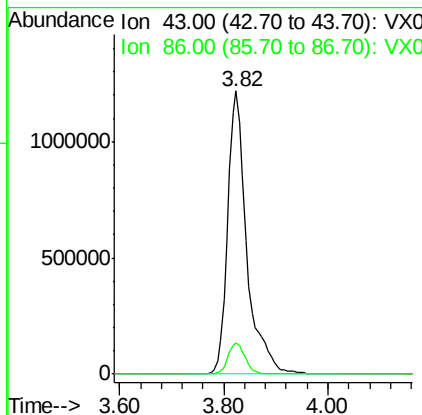
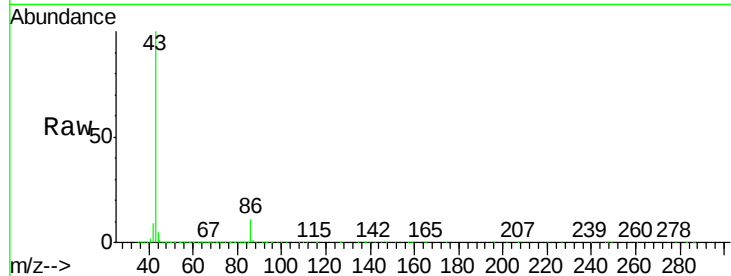
86 10.9 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.009 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

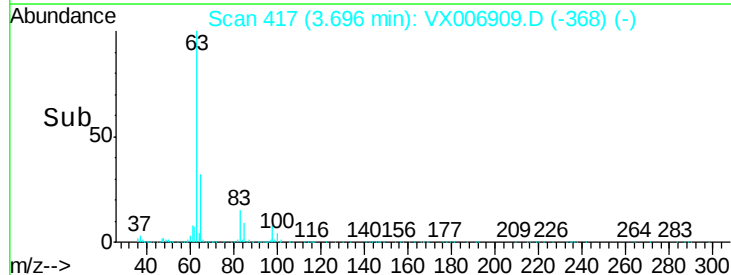
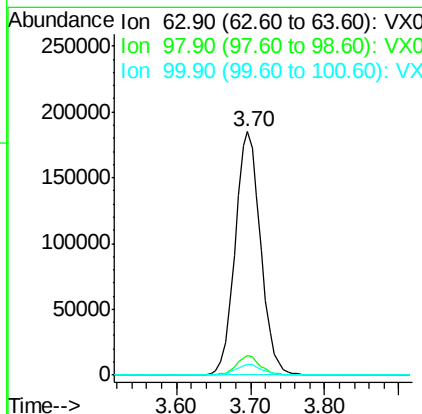
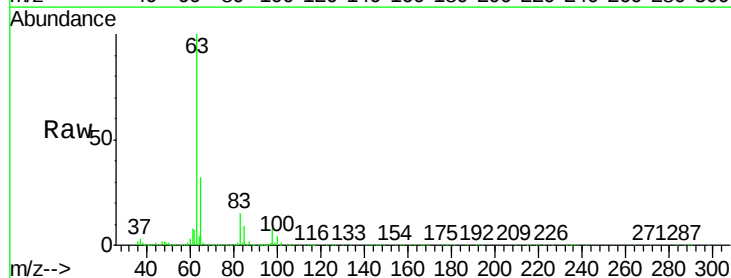
Tgt Ion: 63 Resp: 440260

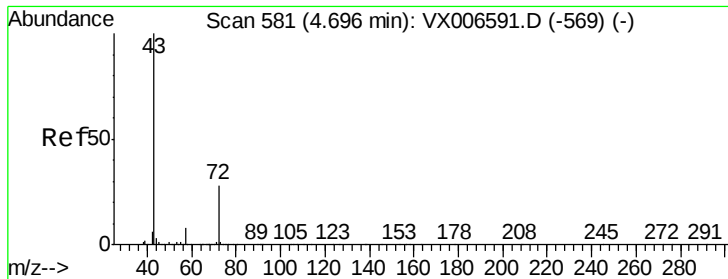
Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 239.390 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 911962

Ion Ratio Lower Upper

43 100

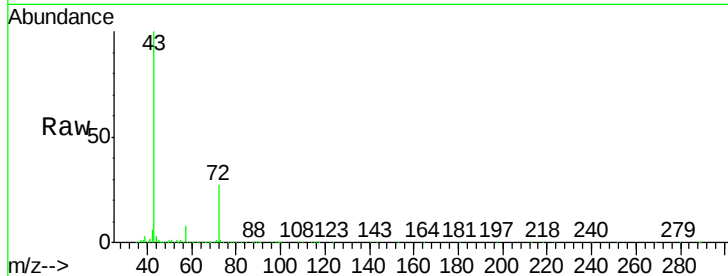
72 27.0 22.4 33.6

Manual Integrations

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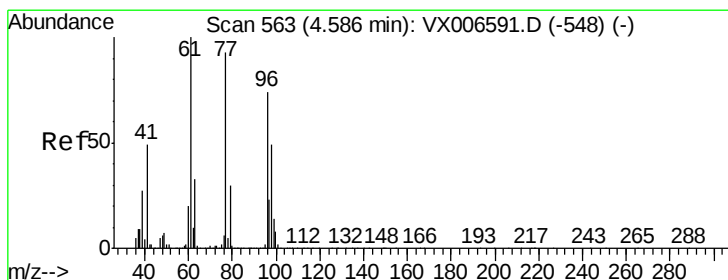
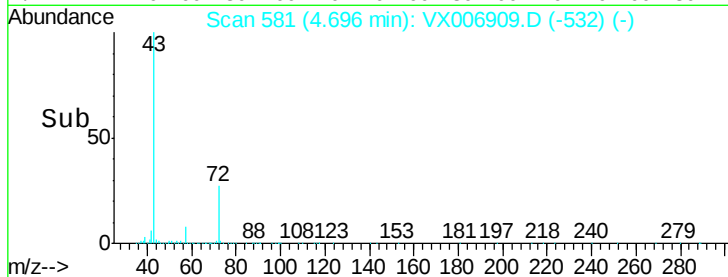
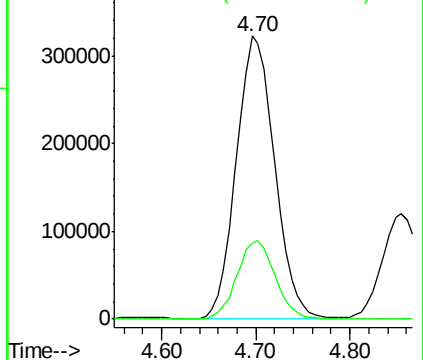
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 49.151 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006909.D

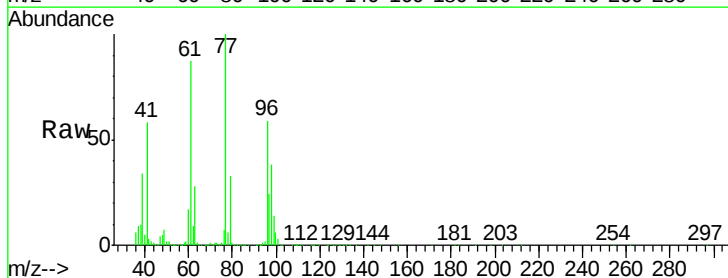
Acq: 04 Jan 2019 12:06

Tgt Ion: 77 Resp: 341073

Ion Ratio Lower Upper

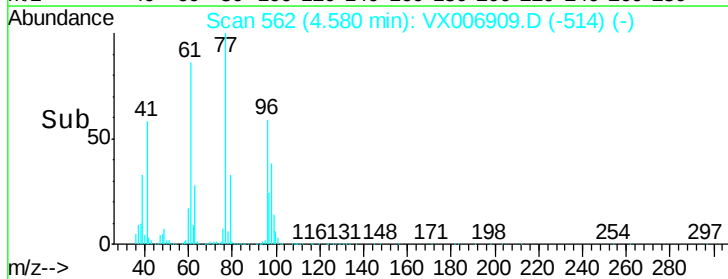
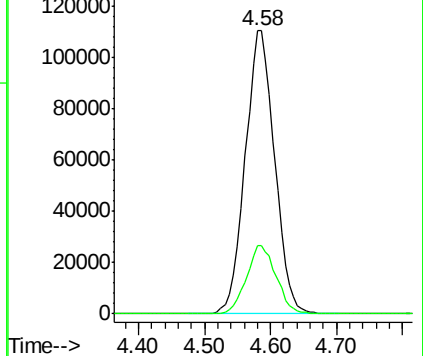
77 100

97 24.4 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

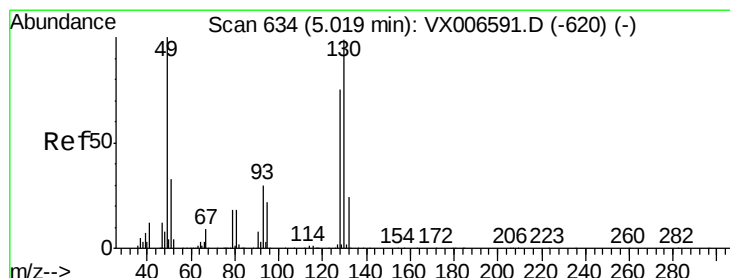
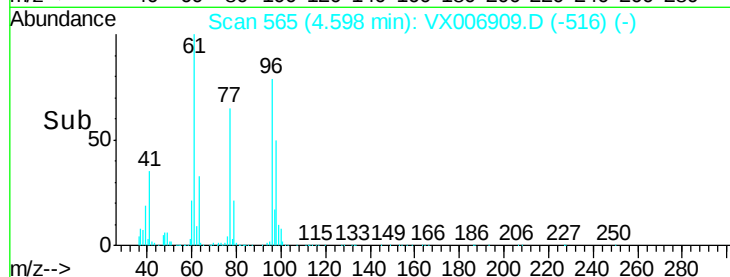
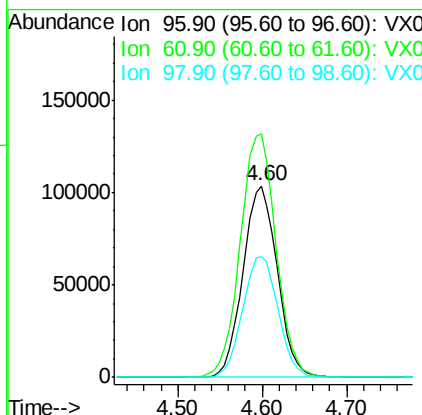
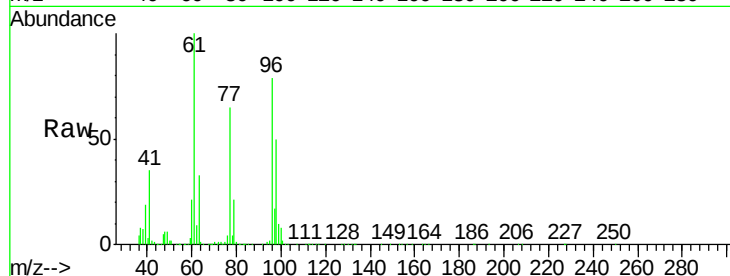
cis-1,2-Dichloroethene
Concen: 47.848 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	258.6
98	65.0	0.0	132.0

Manual Integrations
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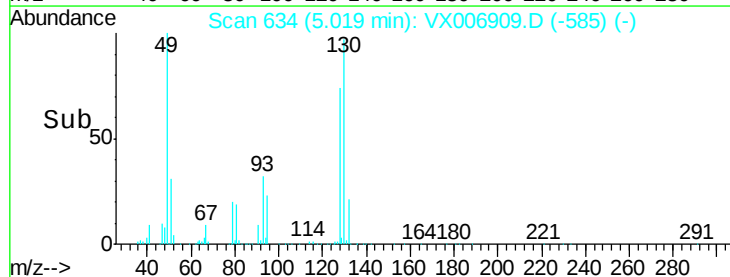
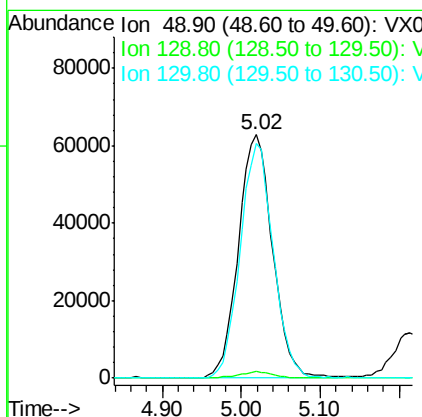
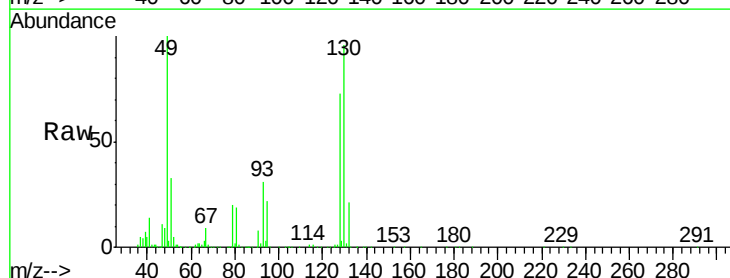
MMDadoda
1/7/2019 11:04:14 AM

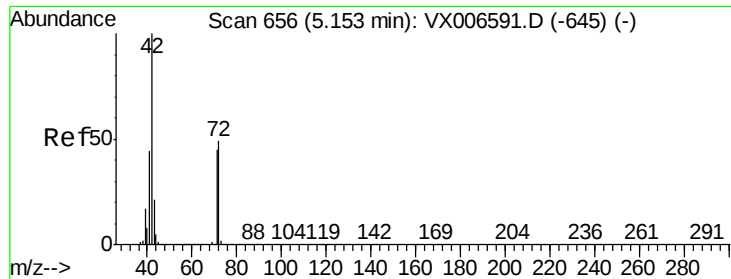


#28

Bromochloromethane
Concen: 49.689 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	93.8	77.7	116.5





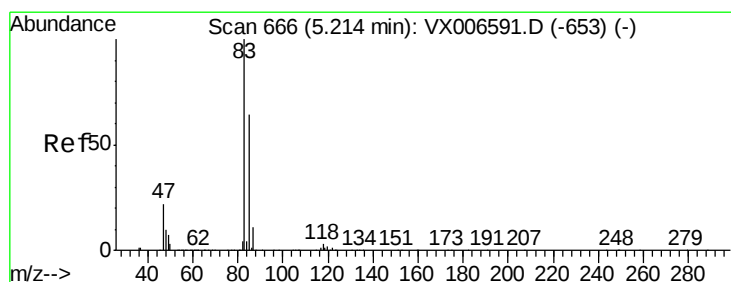
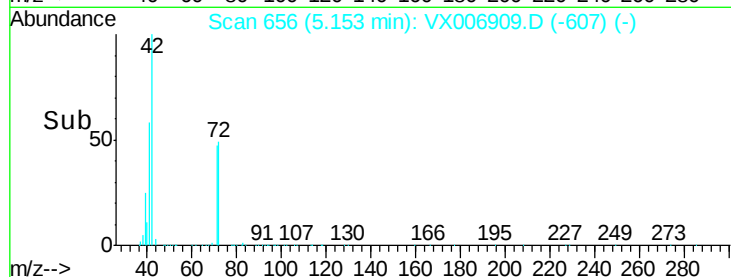
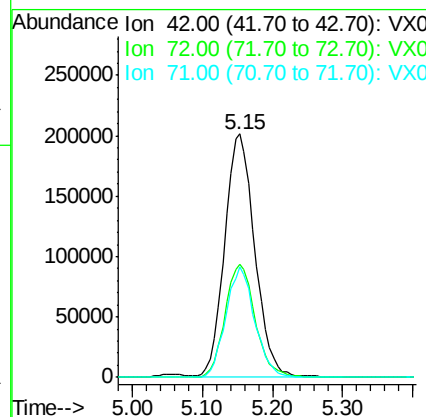
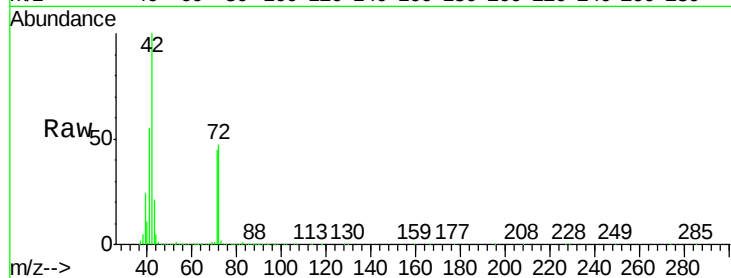
#29
Tetrahydrofuran
Concen: 238.319 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	38.9	58.3
71	43.7	36.2	54.4

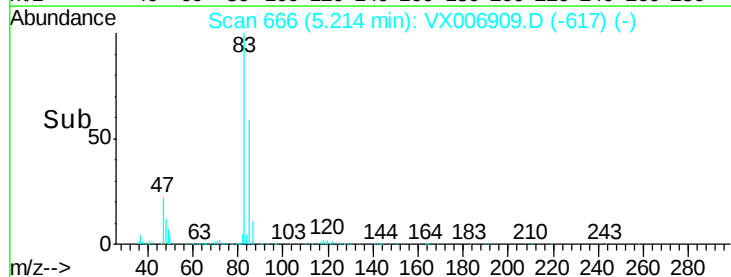
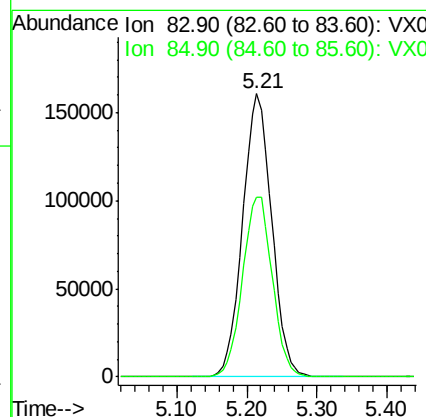
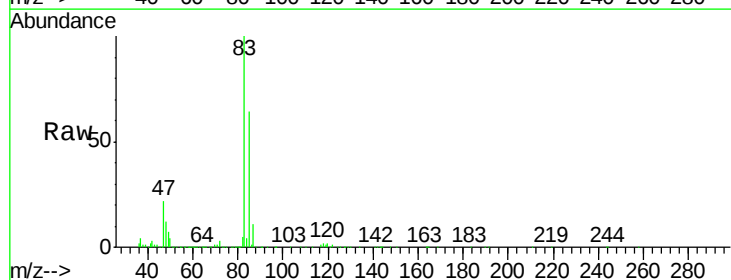
Manual Integrations
APPROVED

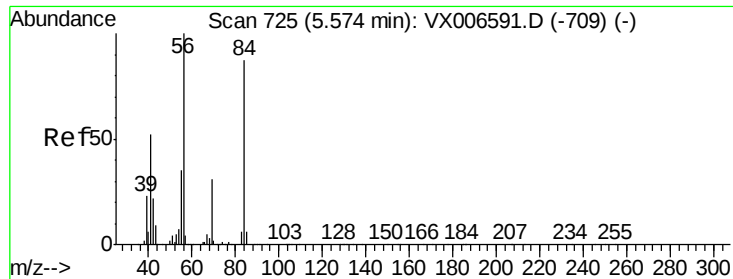
MMDadoda
1/7/2019 11:04:14 AM



#30
Chloroform
Concen: 49.746 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.2	76.8





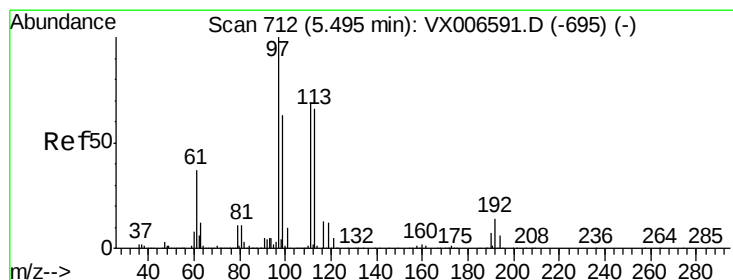
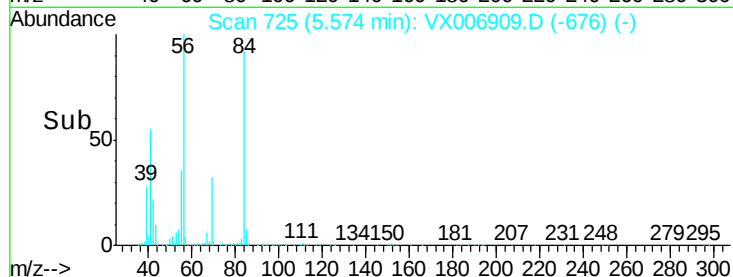
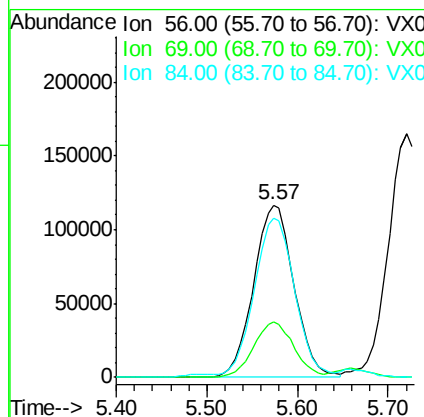
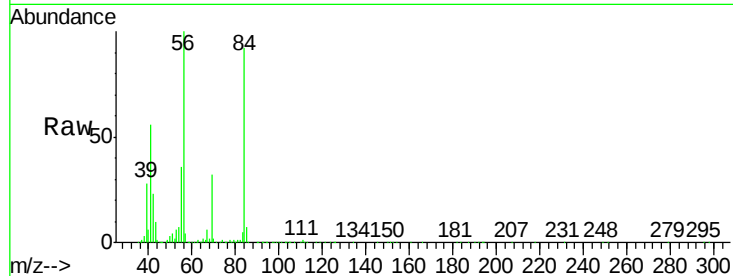
#31
Cyclohexane
Concen: 43.822 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.4	36.6
84	90.7	70.0	105.0

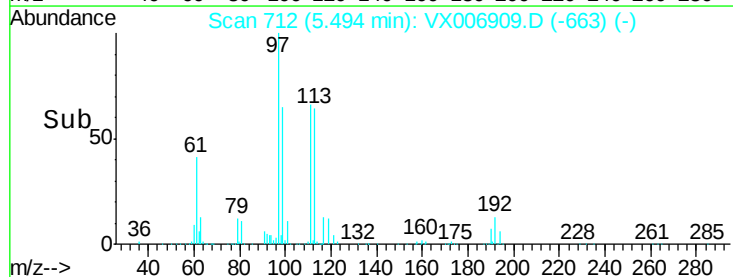
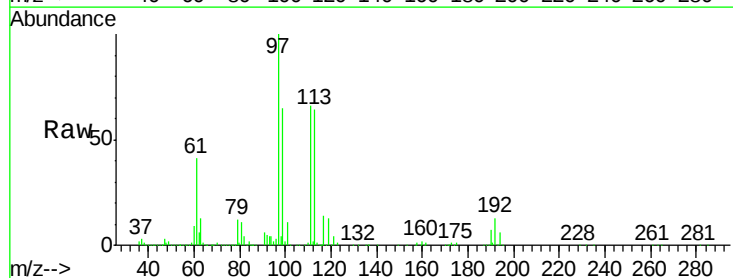
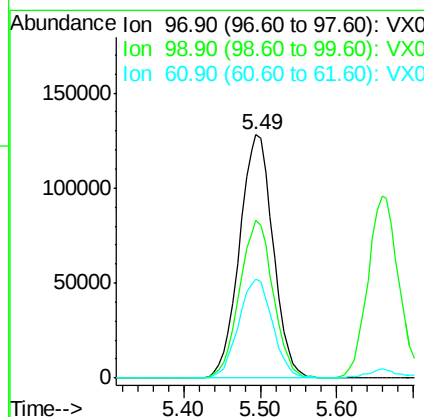
Manual Integrations
APPROVED

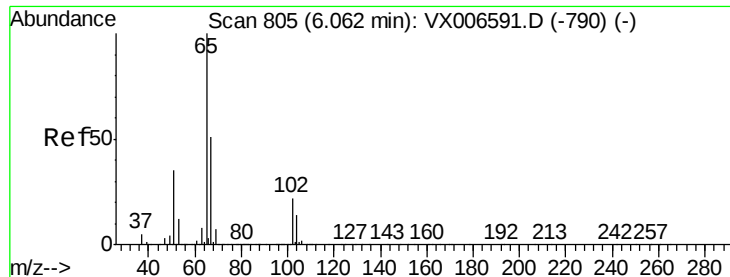
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.681 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	41.1	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 47.686 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tot Ion: 65 Resp: 281103

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.0

Instrument :

MSVOA_X

ClientSampleId :

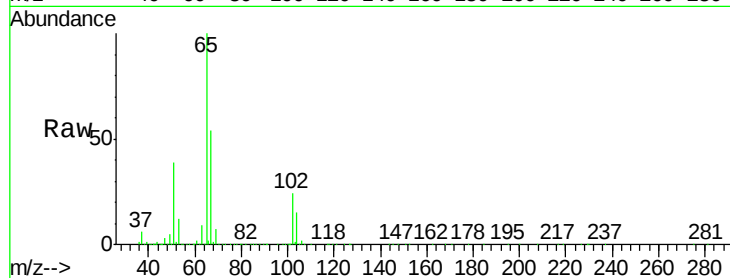
VSTDCCC050

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

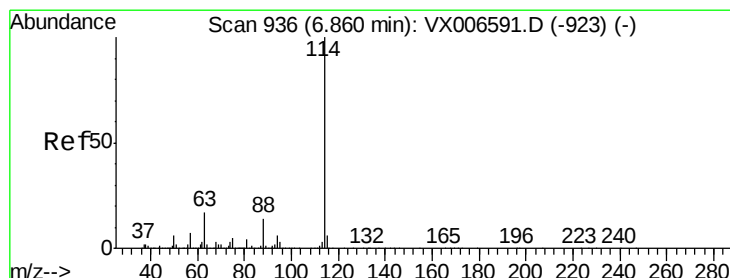
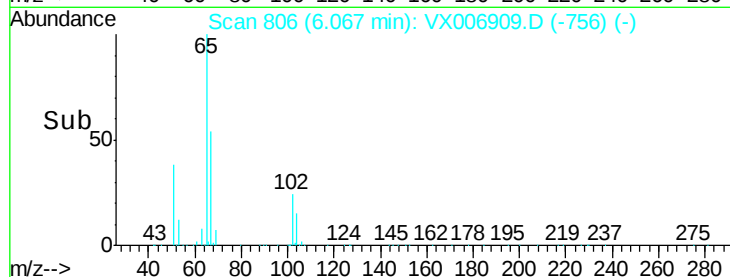
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

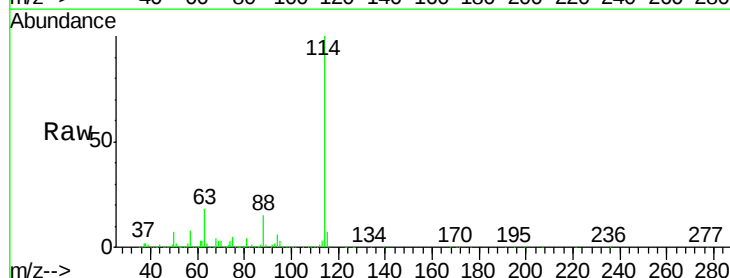
Tgt Ion: 114 Resp: 790234

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.8

88 14.9 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

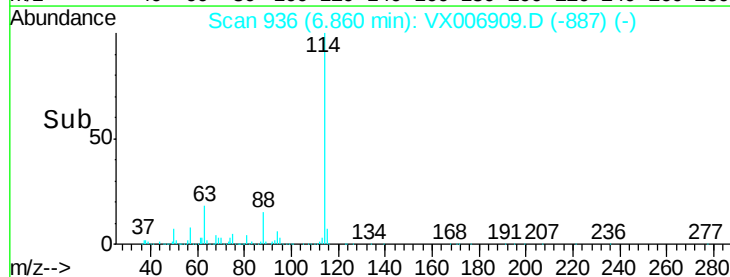
300000

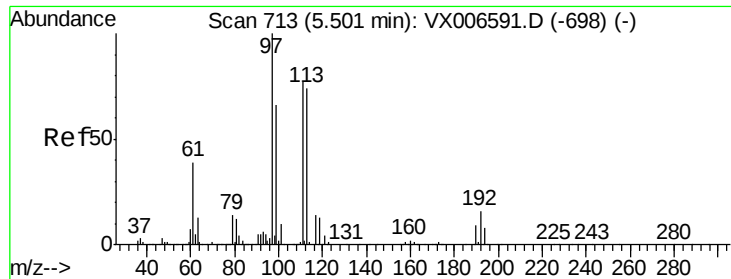
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 51.223 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

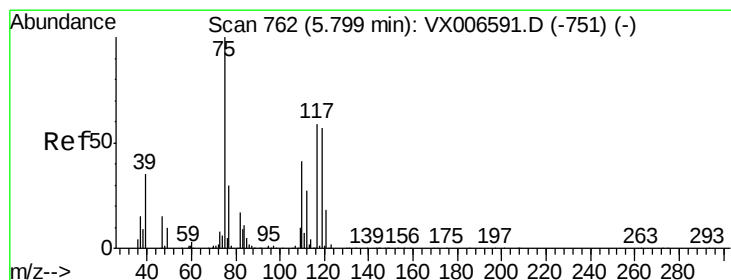
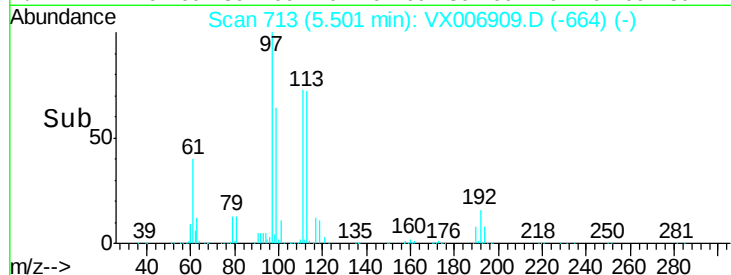
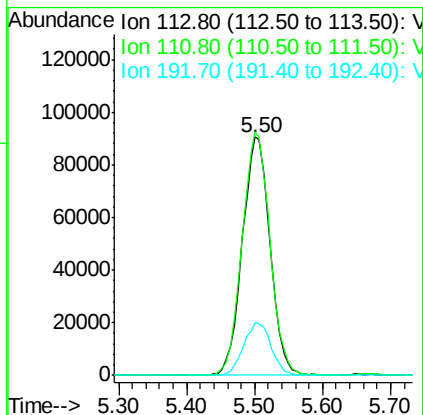
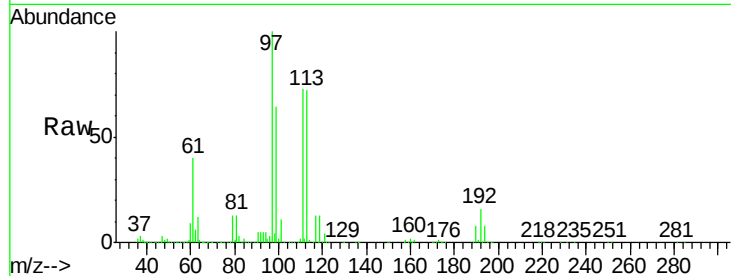
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	255974
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.6	122.4
192	22.1	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.128 ug/l

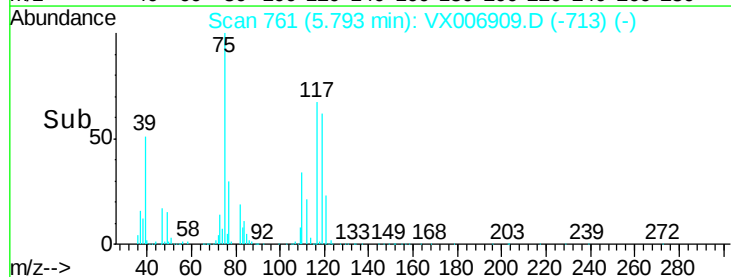
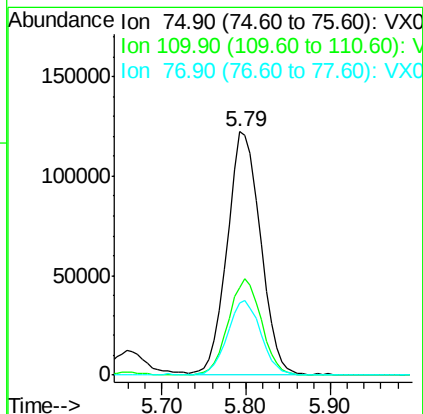
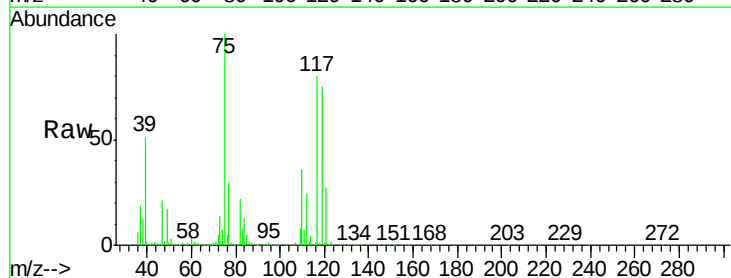
RT: 5.79 min Scan# 761

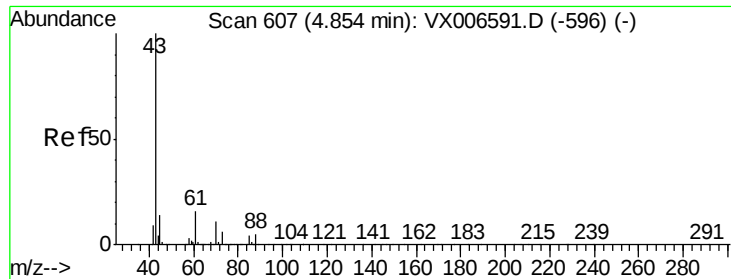
Delta R.T. -0.01 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion:	75	Resp:	328083
Ion Ratio	Lower	Upper	
75	100		
110	39.4	20.2	60.5
77	30.4	24.8	37.2





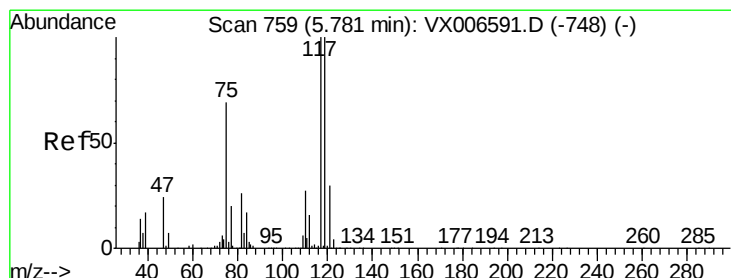
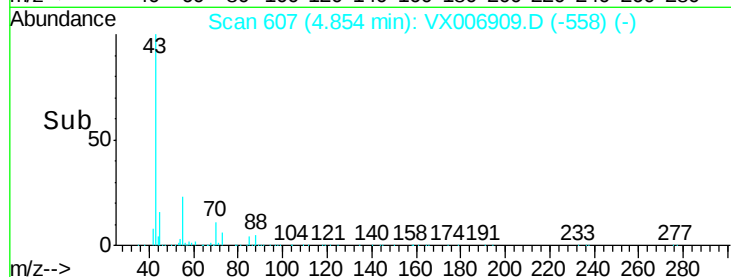
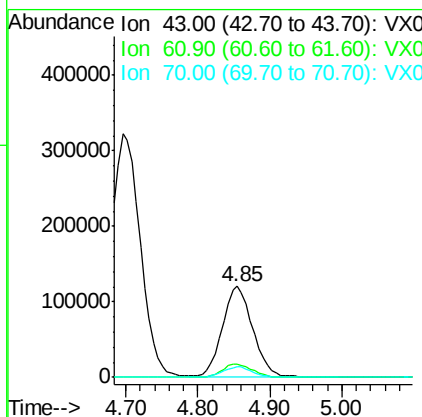
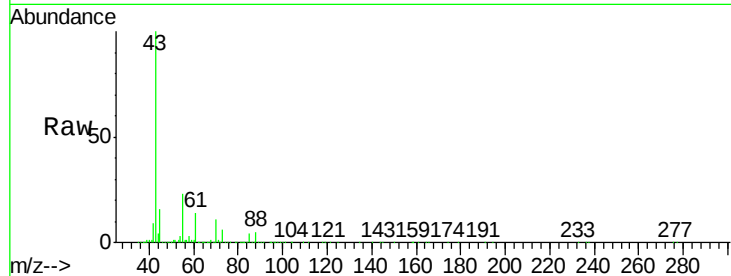
#37
Ethyl Acetate
Concen: 51.269 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	11.2	9.7	14.5

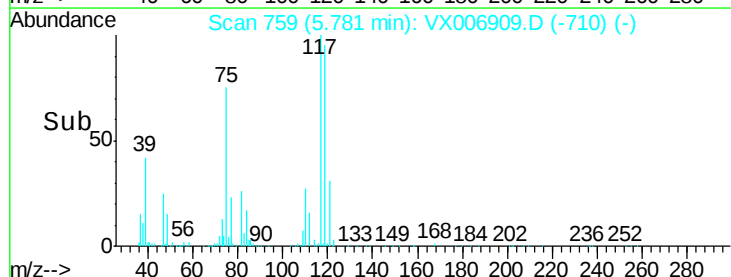
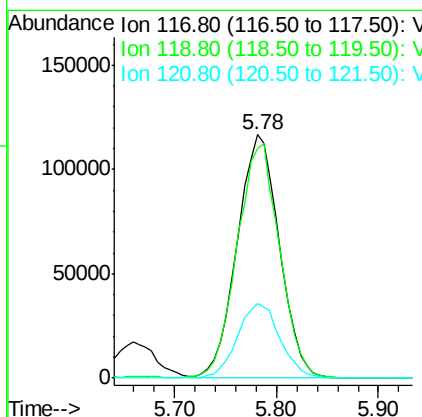
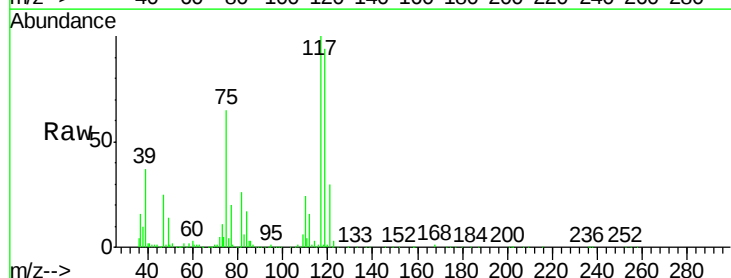
Manual Integrations
APPROVED

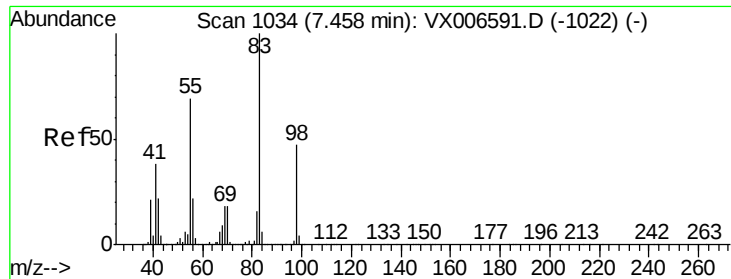
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#38
Carbon Tetrachloride
Concen: 52.458 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	79.4	119.2
121	30.4	24.0	36.0





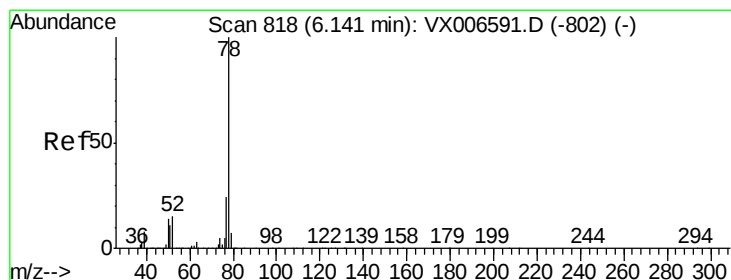
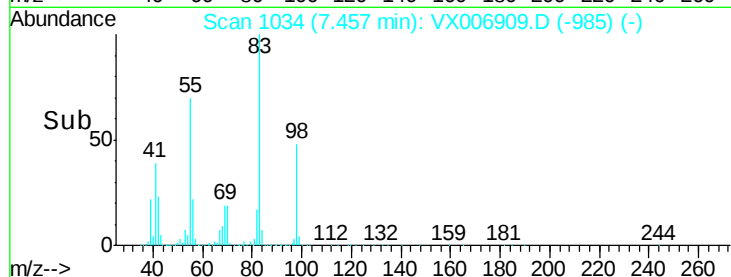
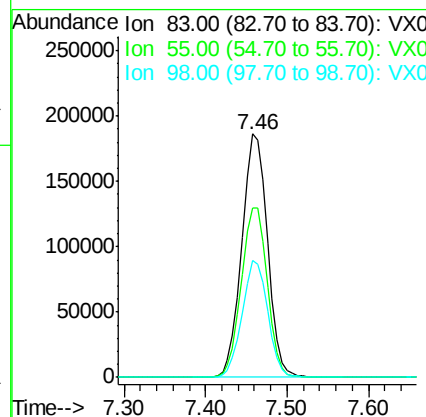
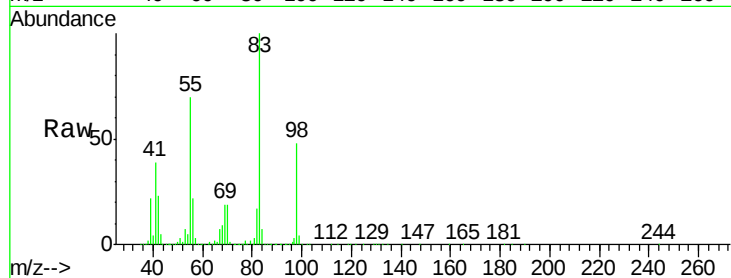
#39
Methvlcvclohexane
Concen: 47.069 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	54.9	82.3
98	48.1	37.9	56.9

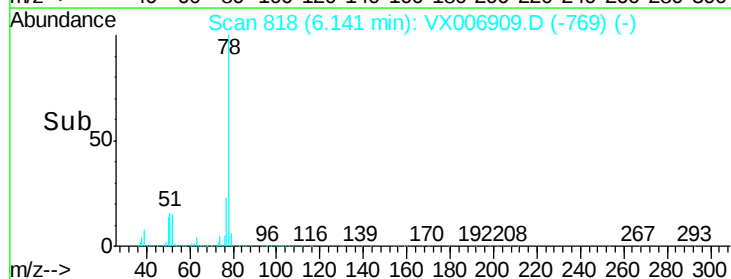
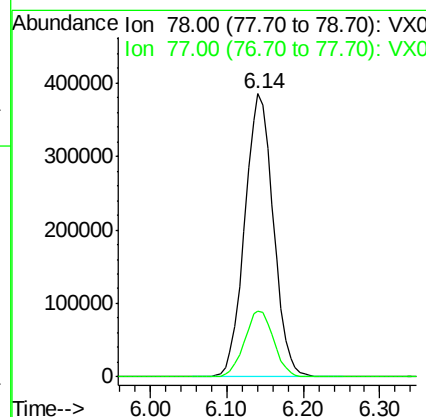
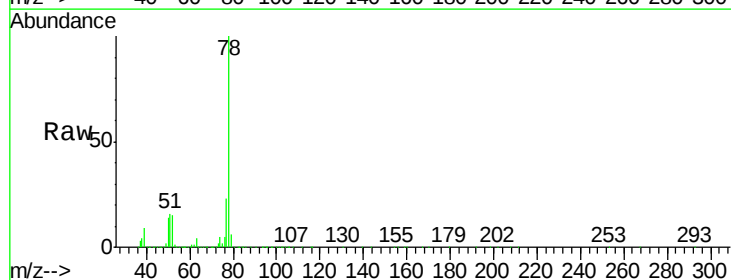
Manual Integrations
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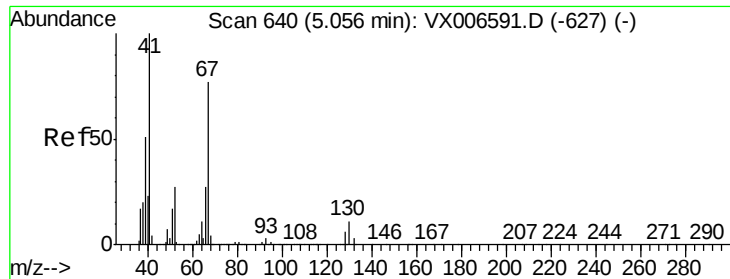
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#40
Benzene
Concen: 50.191 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 54.687 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

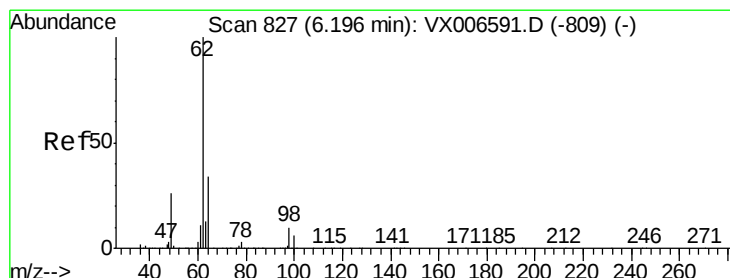
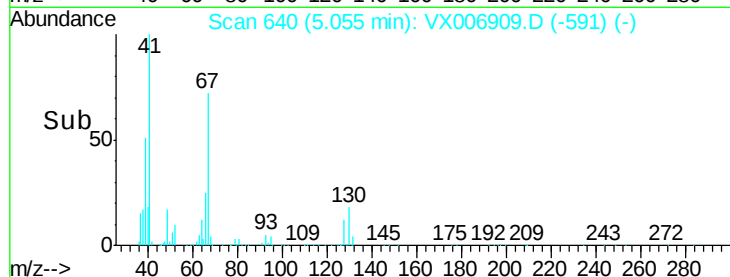
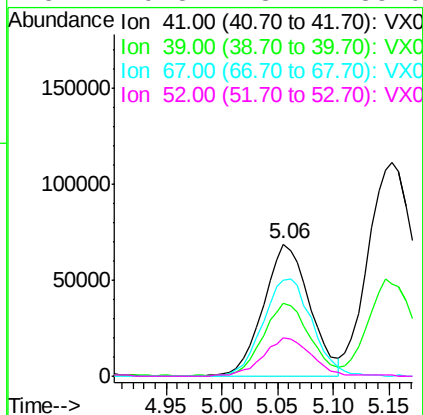
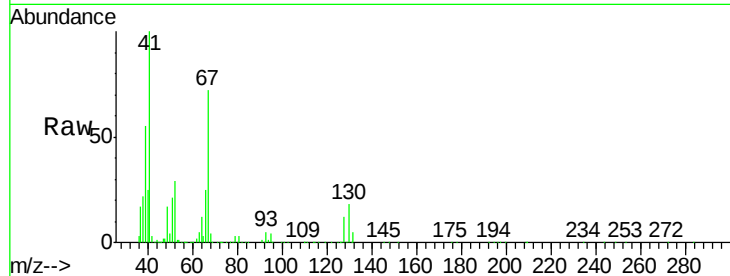
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		197785		
39	55.8	42.8	64.2		
67	78.2	62.1	93.1		
52	29.8	23.4	35.0		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.196 ug/l

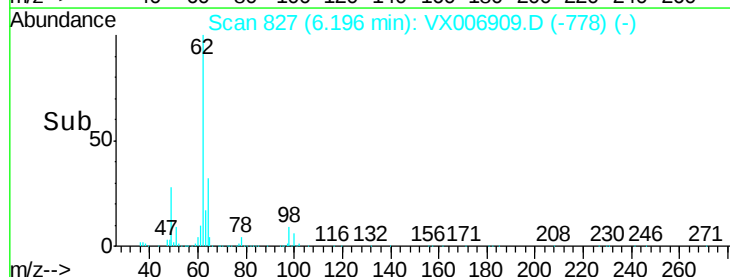
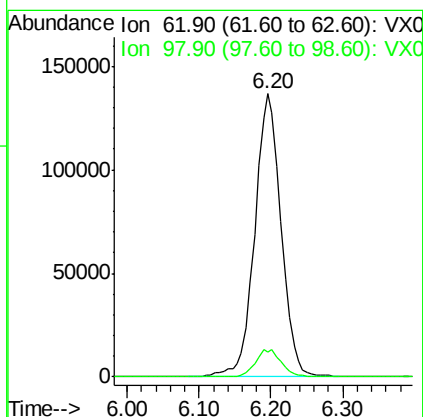
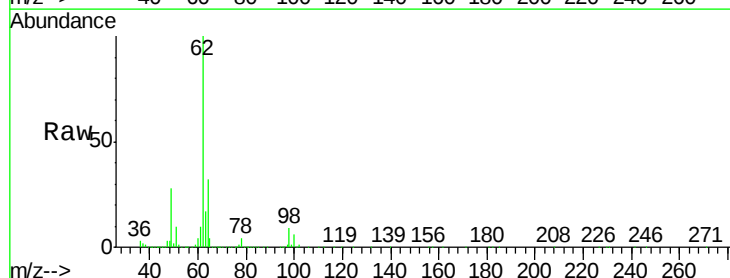
RT: 6.20 min Scan# 827

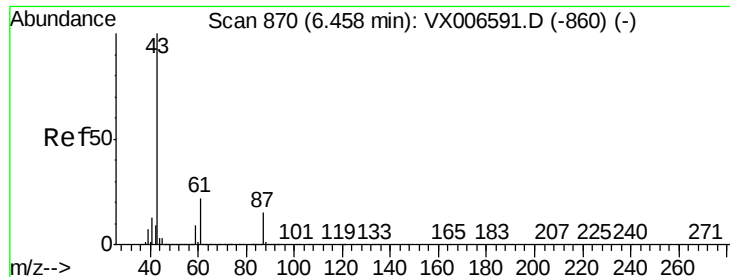
Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		347065		
98	9.6	0.0	20.2		





#43

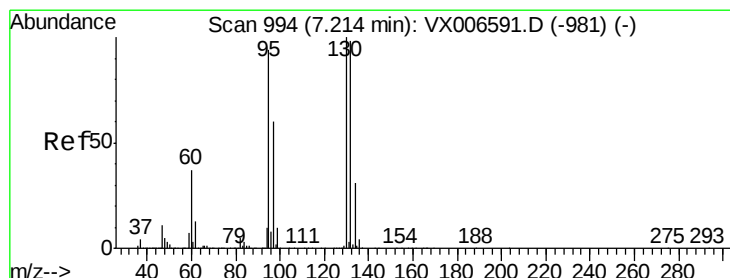
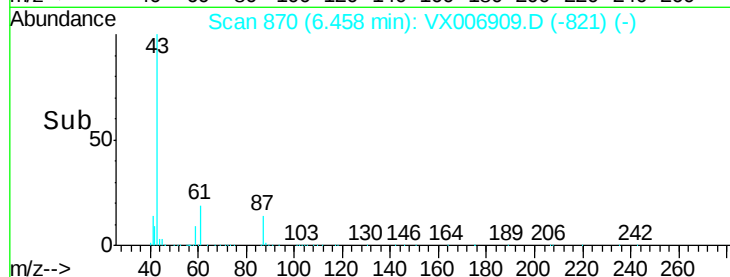
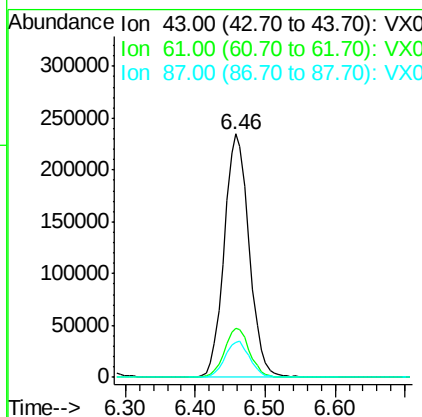
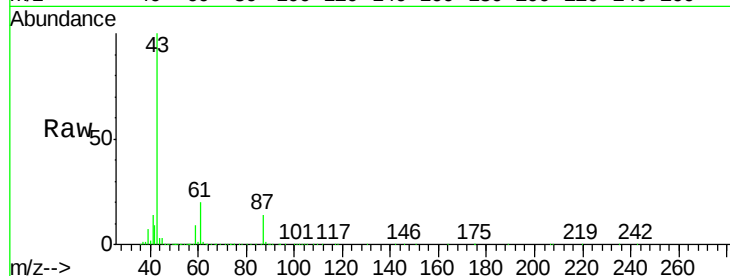
Isopropyl Acetate
 Concen: 55.714 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006909.D
 Acq: 04 Jan 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.8	25.2
87	14.9	12.4	18.6

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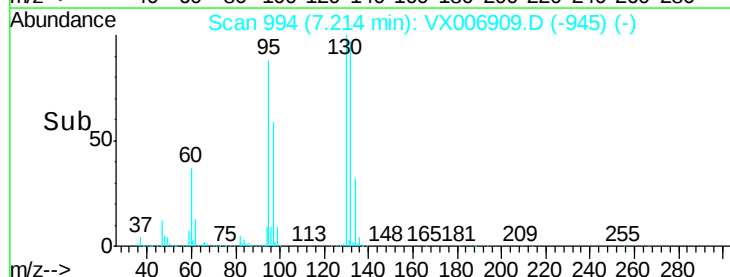
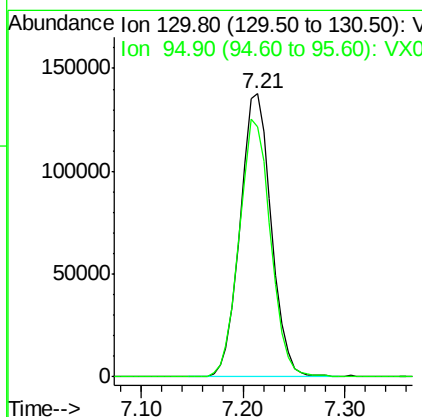
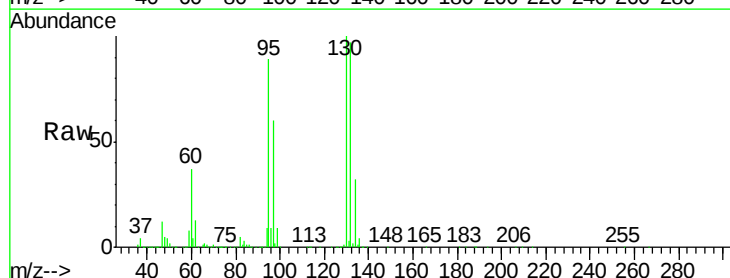
MMDadoda
 1/7/2019 11:04:14 AM



#44

Trichloroethene
 Concen: 48.623 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006909.D
 Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	187.0





#45

1,2-Dichloropropane

Concen: 53.810 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 260513

Ion Ratio Lower Upper

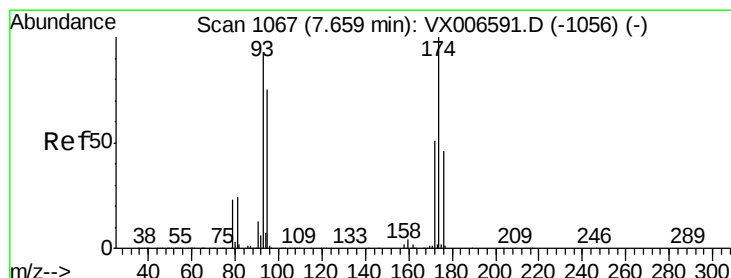
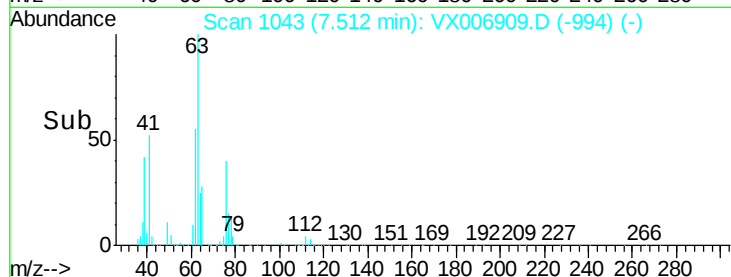
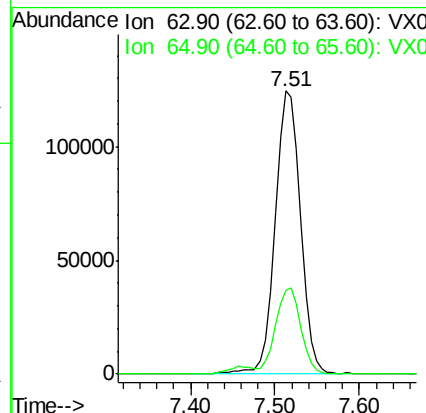
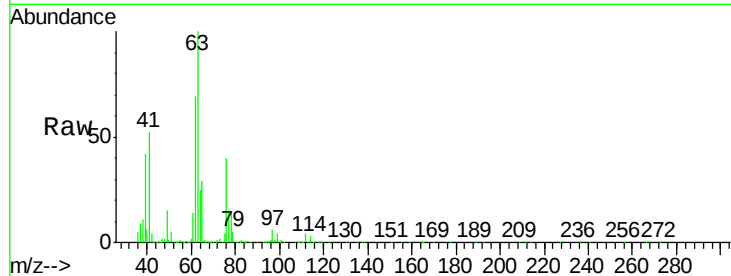
63 100

65 29.3 25.4 38.0

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#46

Dibromomethane

Concen: 51.685 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

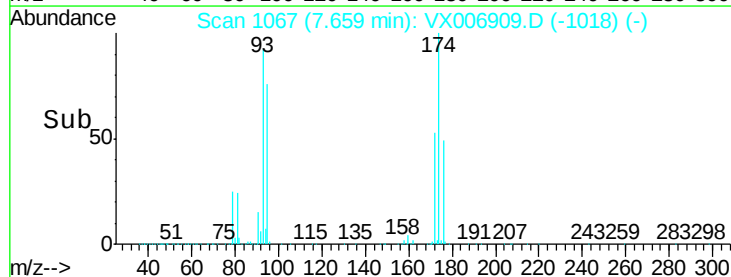
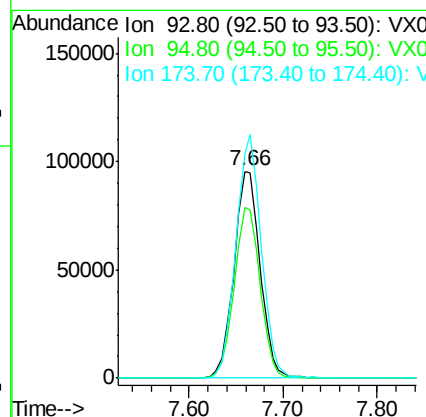
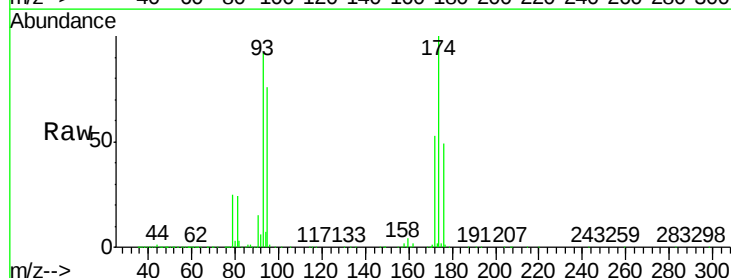
Tgt Ion: 93 Resp: 184053

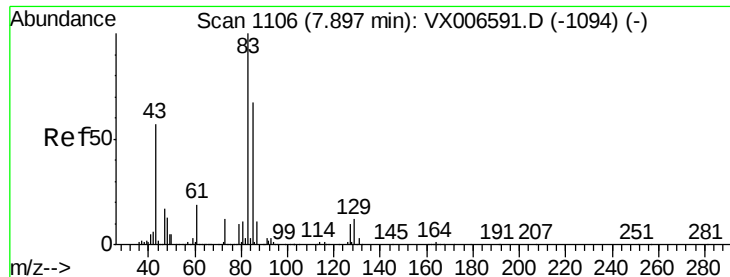
Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.4

174 114.7 91.0 136.4





#47

Bromodichloromethane

Concen: 55.577 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

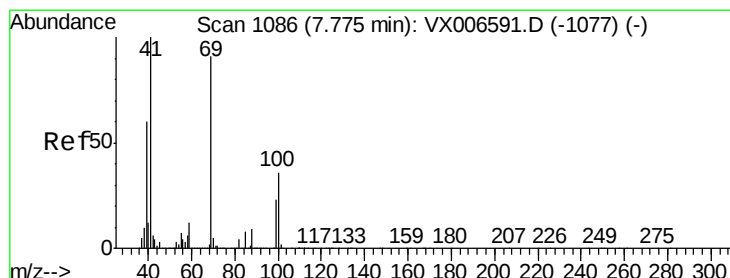
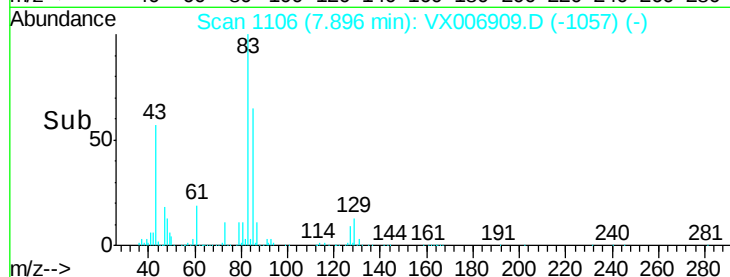
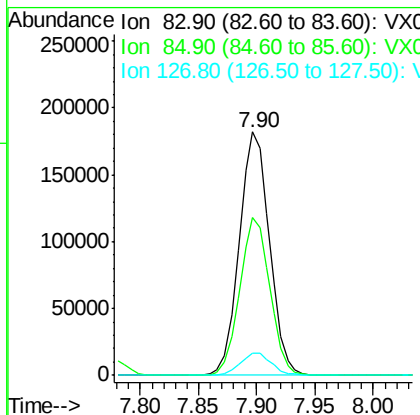
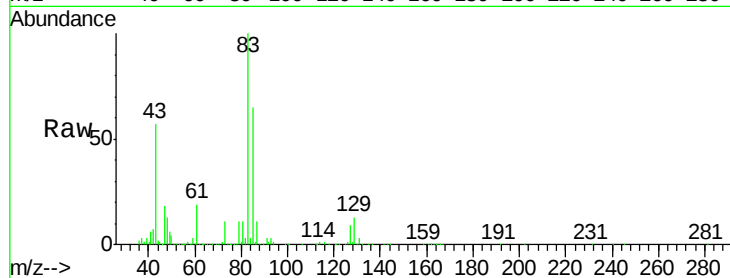
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	328577
Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.2	79.8
127	9.2	7.8	11.6

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#48

Methyl methacrylate

Concen: 54.760 ug/l

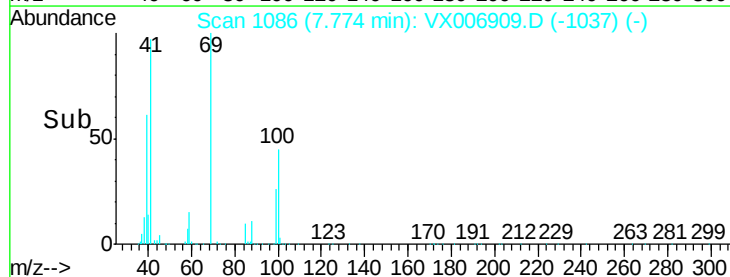
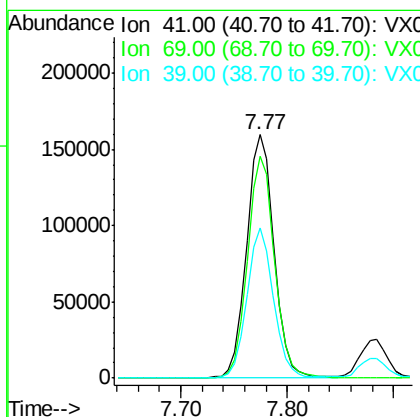
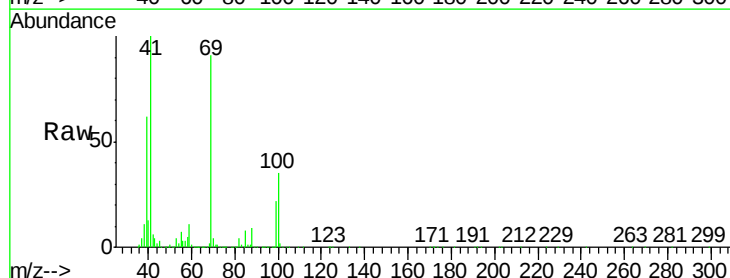
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion:	41	Resp:	288631
Ion	Ratio	Lower	Upper
41	100		
69	90.3	72.4	108.6
39	59.7	45.8	68.8





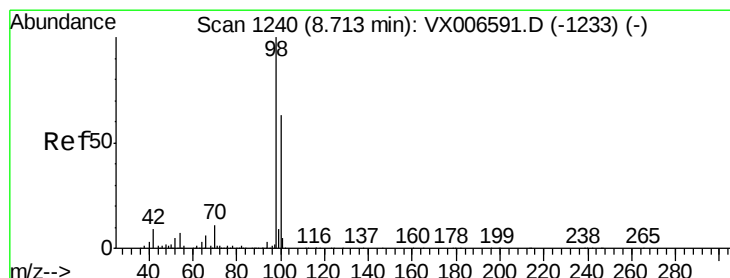
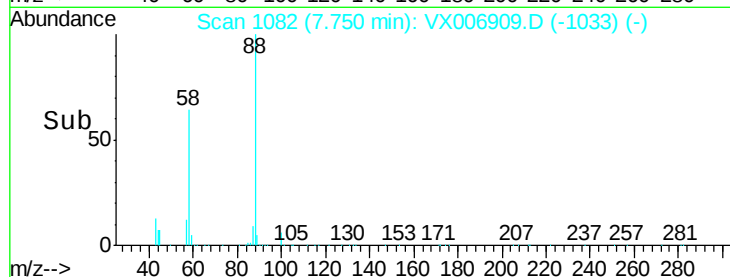
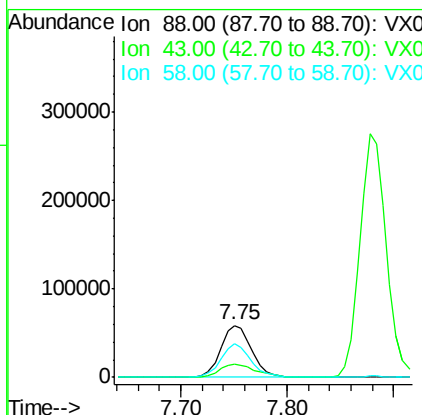
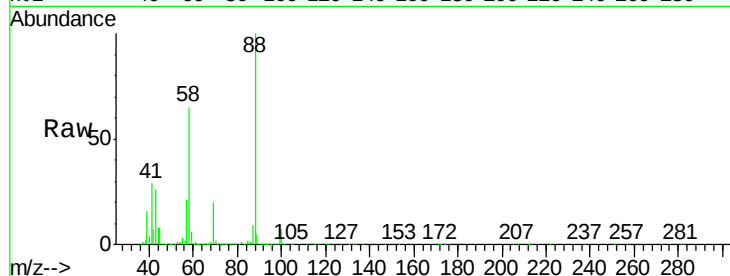
#49
1,4-Dioxane
Concen: 850.205 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.2	33.4
58	63.5	51.0	76.4

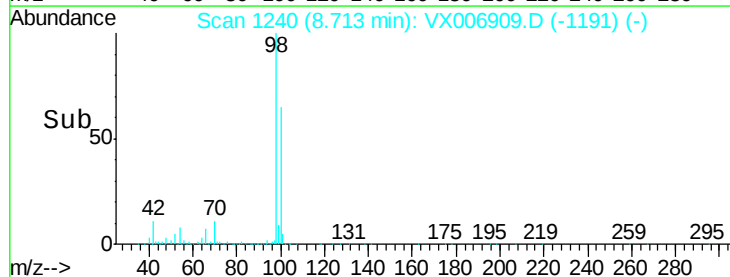
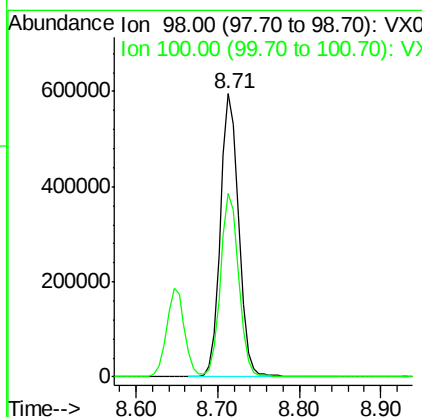
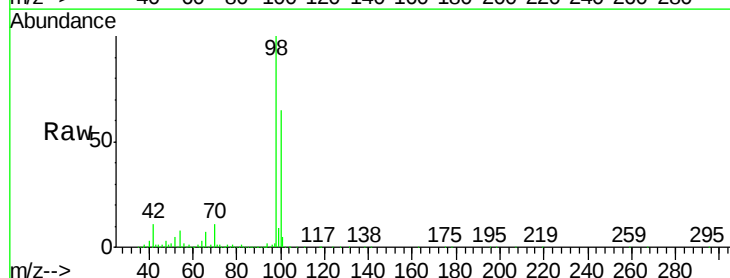
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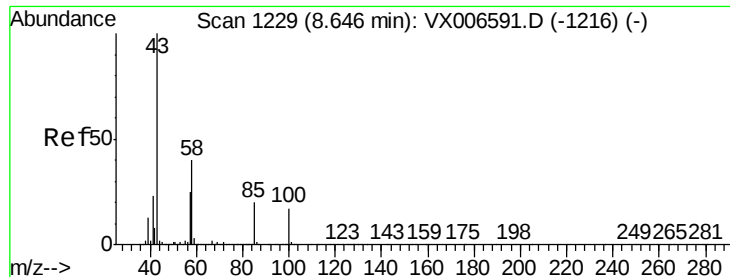
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#50
Toluene-d8
Concen: 49.578 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





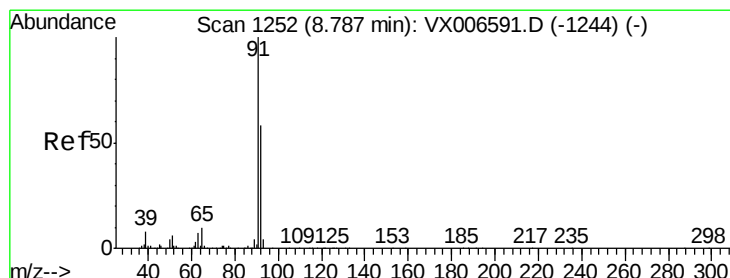
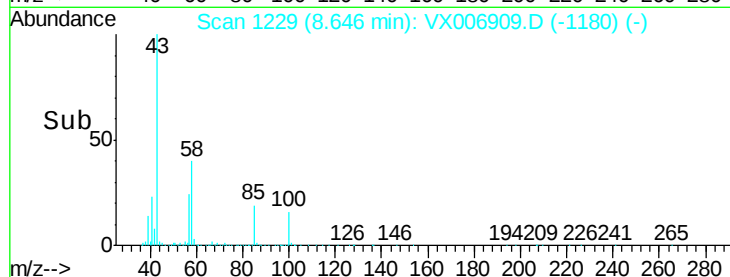
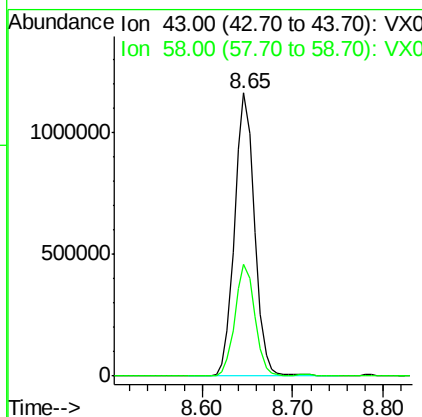
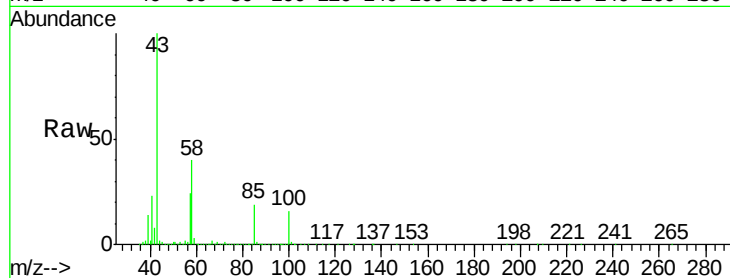
#51
4-Methyl-2-Pentanone
Concen: 269.877 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1779811
Ion Ratio Lower Upper
43 100
58 39.2 31.8 47.6

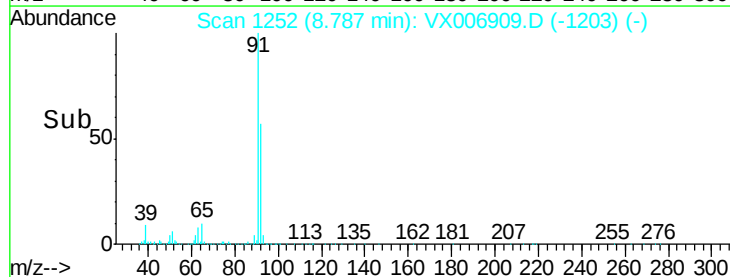
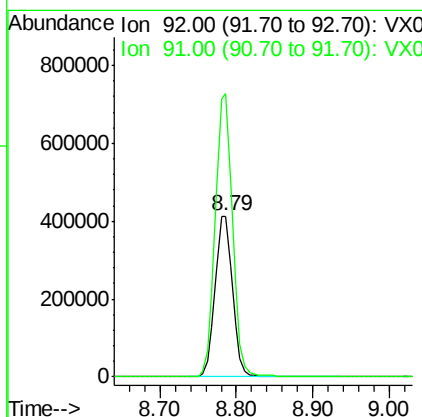
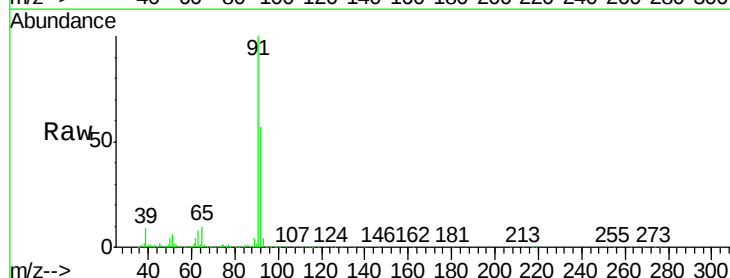
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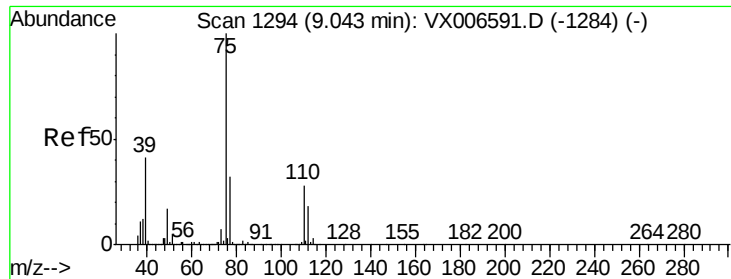
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#52
Toluene
Concen: 50.513 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion: 92 Resp: 649232
Ion Ratio Lower Upper
92 100
91 175.8 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 57.907 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 367168

Ion Ratio Lower Upper

75 100

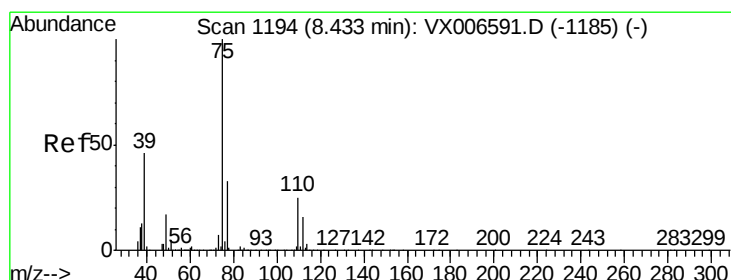
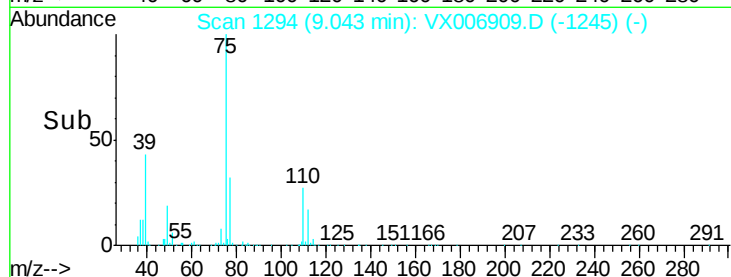
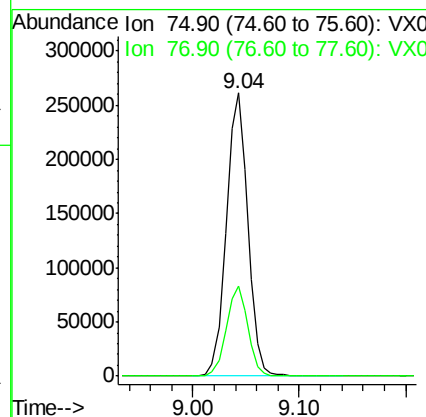
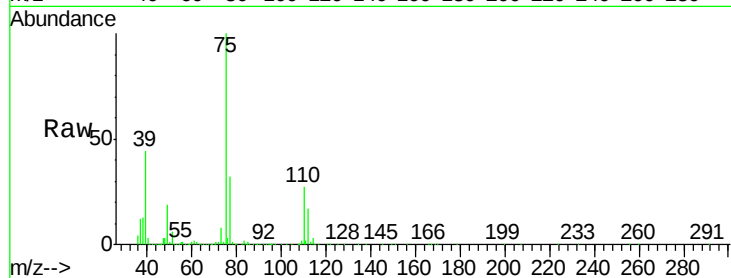
77 31.9 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 57.507 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

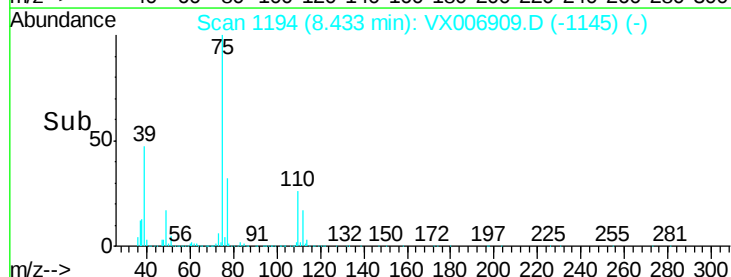
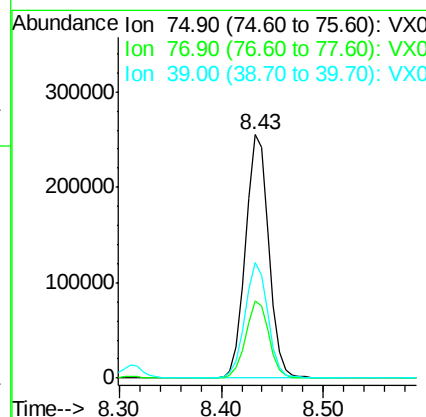
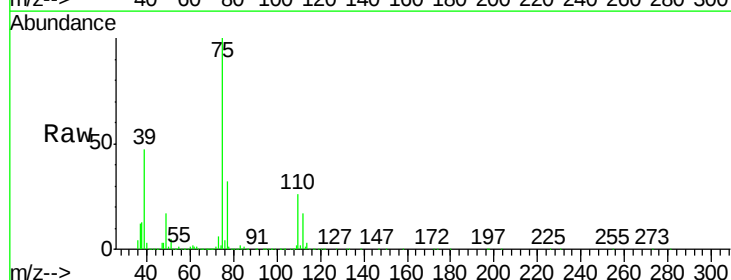
Tgt Ion: 75 Resp: 400097

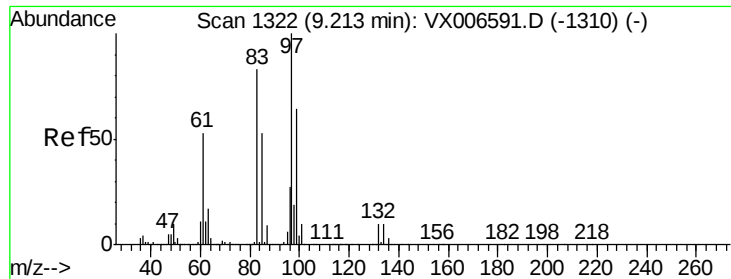
Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2

39 47.2 36.7 55.1





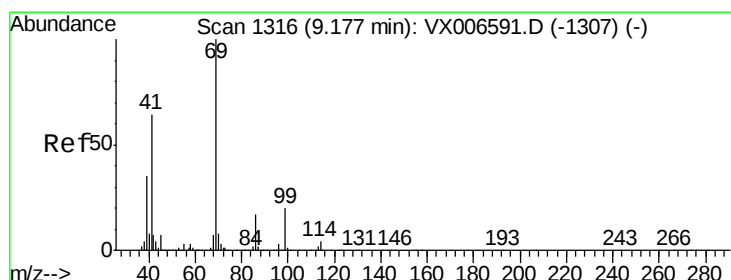
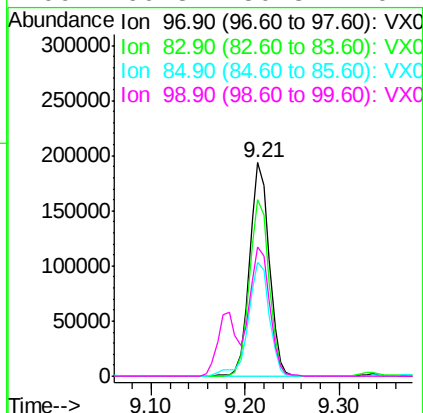
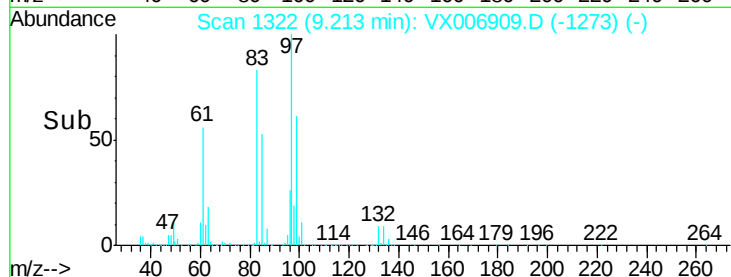
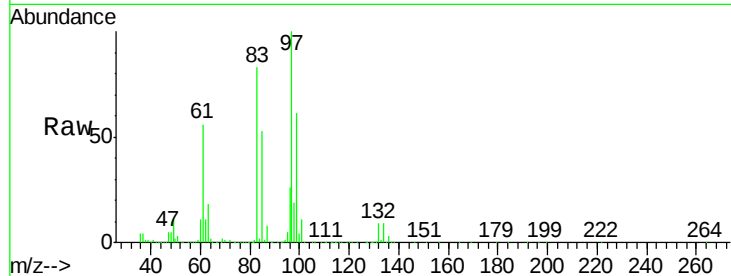
#55
 1,1,2-Trichloroethane
 Concen: 53.369 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006909.D
 Acq: 04 Jan 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		280767		
83	82.6	66.6	99.8		
85	53.3	42.7	64.1		
99	60.8	50.8	76.2		

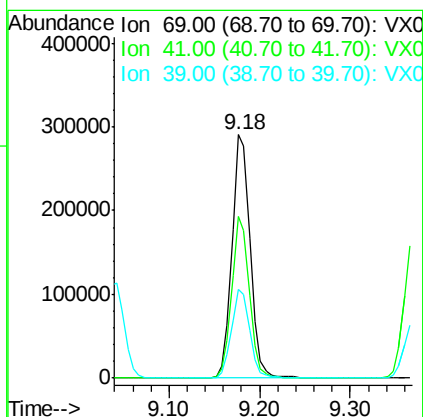
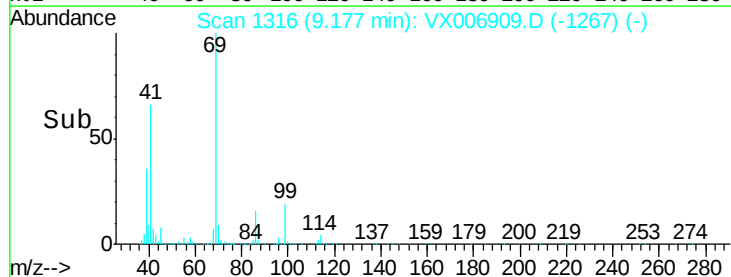
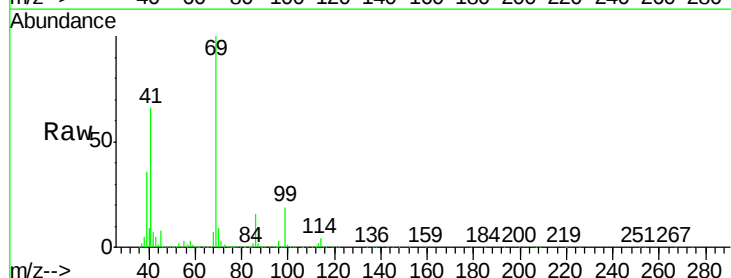
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#56
 Ethyl methacrylate
 Concen: 54.267 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX006909.D
 Acq: 04 Jan 2019 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		403505		
41	64.4	48.7	73.1		
39	36.6	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 52.601 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 445220

Ion Ratio Lower Upper

76 100

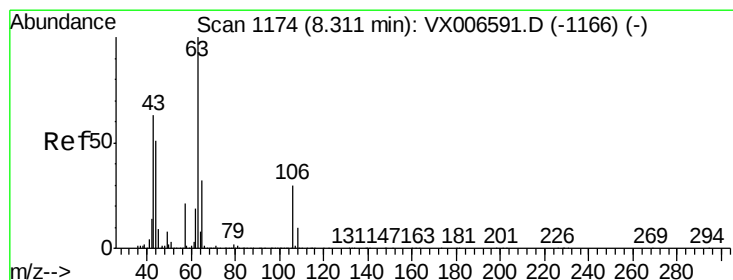
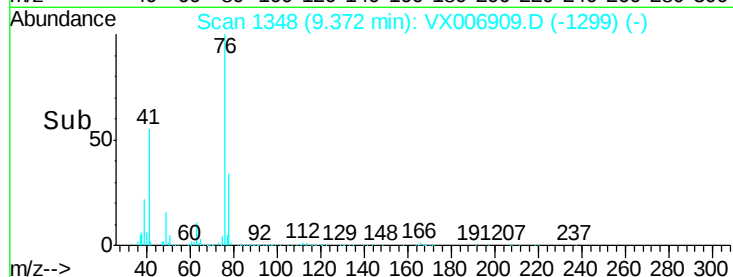
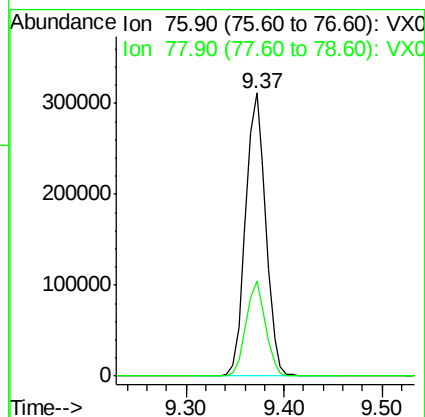
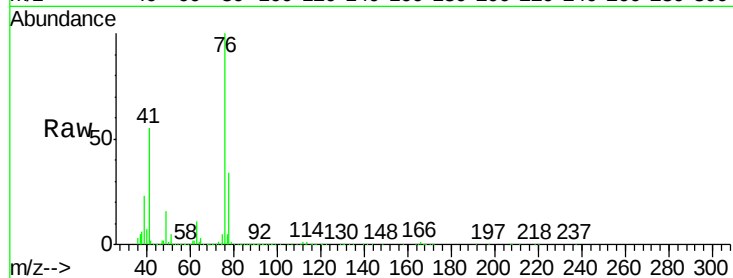
78 32.7 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 261.576 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006909.D

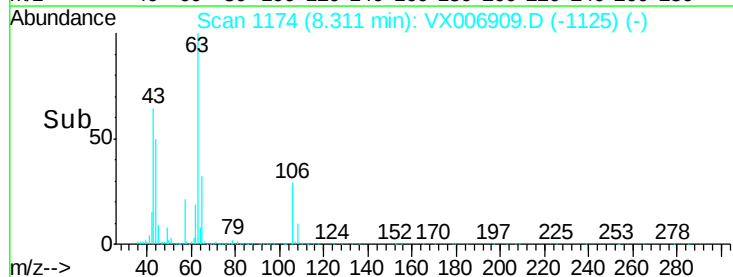
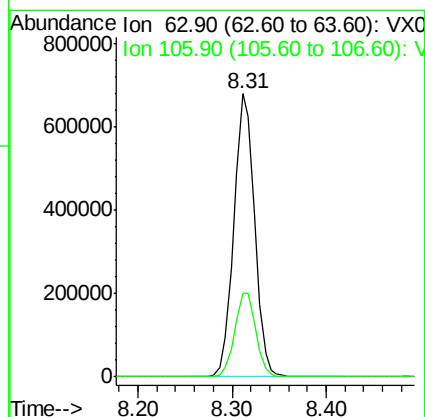
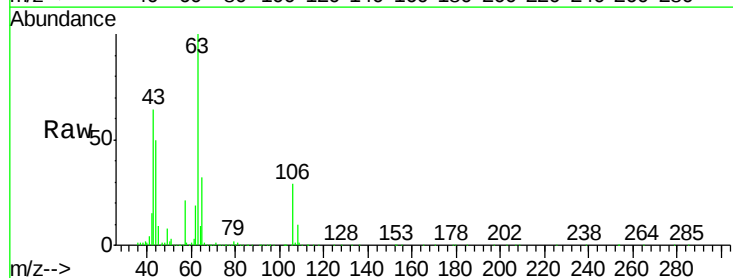
Acq: 04 Jan 2019 12:06

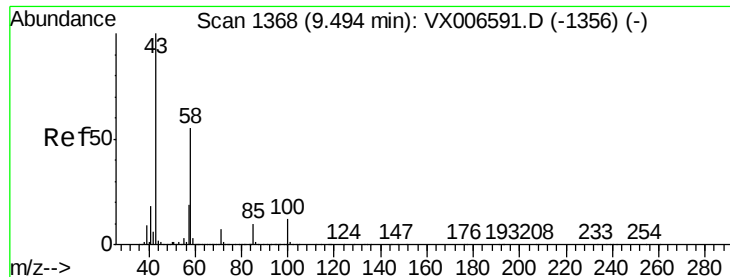
Tgt Ion: 63 Resp: 1033871

Ion Ratio Lower Upper

63 100

106 30.4 24.6 36.8





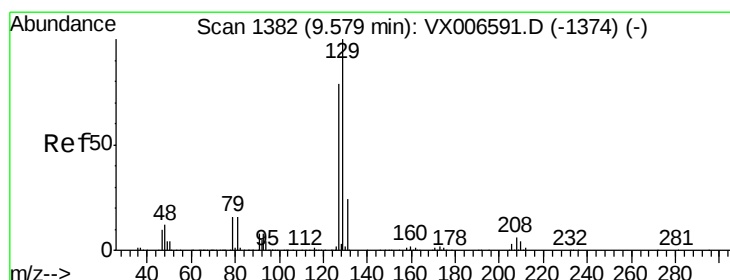
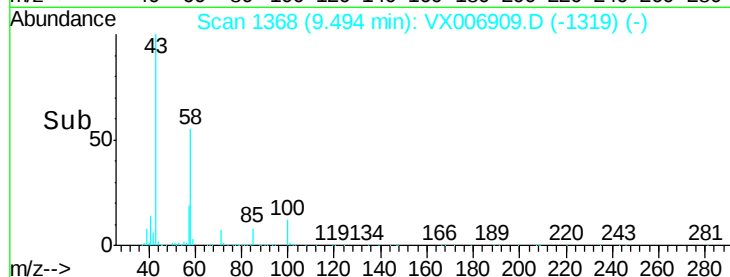
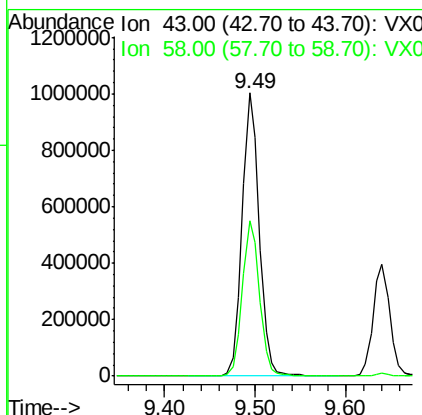
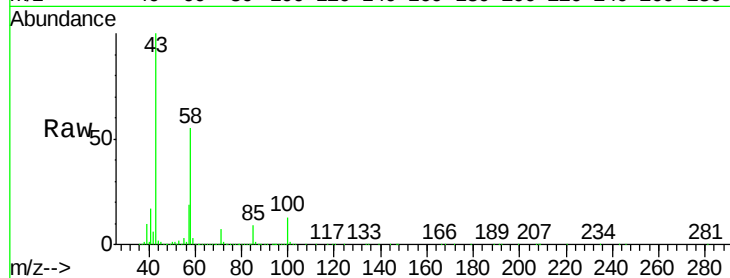
#59
2-Hexanone
Concen: 260.768 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1315801
Ion Ratio Lower Upper
43 100
58 55.2 27.7 83.1

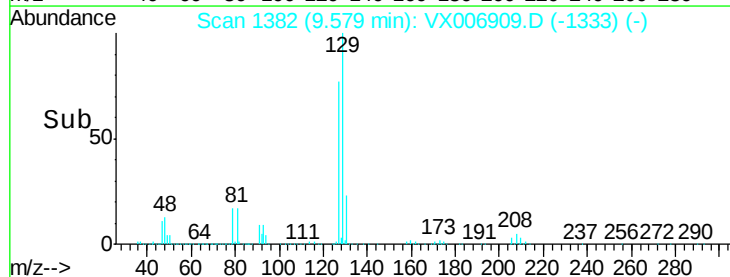
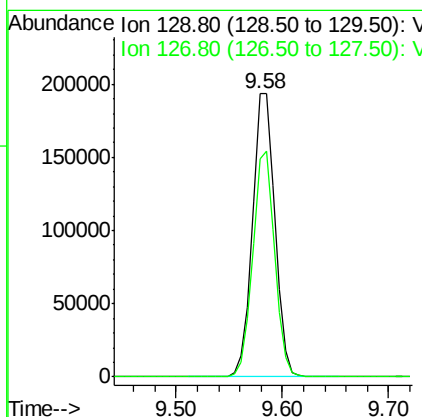
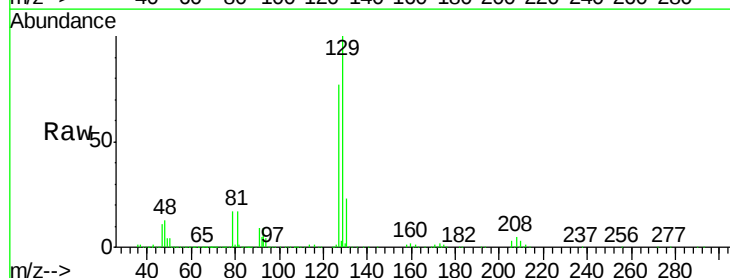
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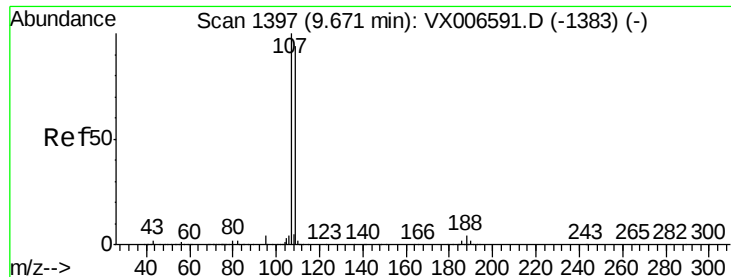
MMDadoda
1/7/2019 11:04:14 AM



#60
Dibromochloromethane
Concen: 52.189 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion: 129 Resp: 287743
Ion Ratio Lower Upper
129 100
127 77.7 39.3 117.8





#61

1,2-Dibromoethane

Concen: 53.076 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 296825

Ion Ratio Lower Upper

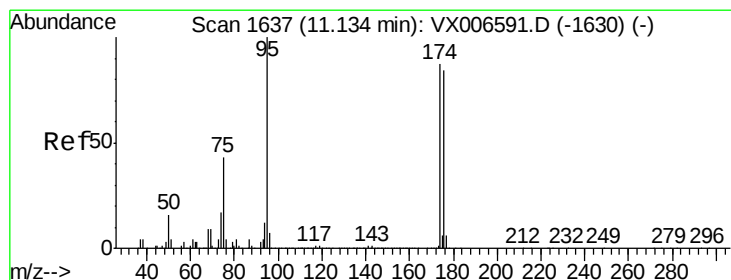
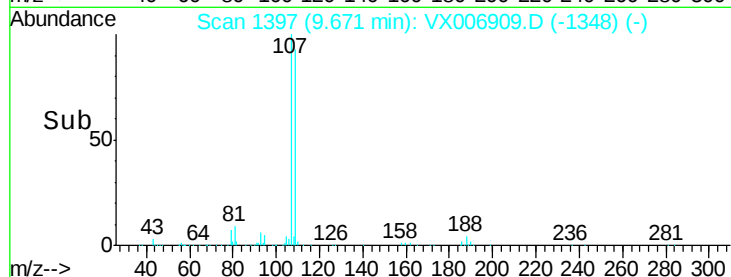
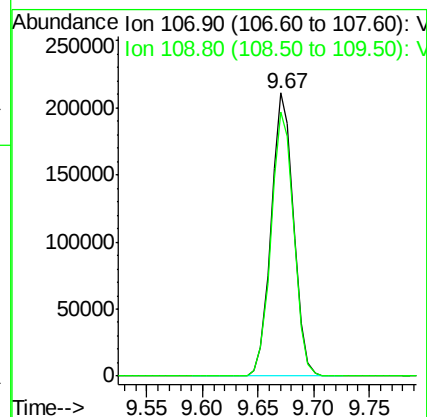
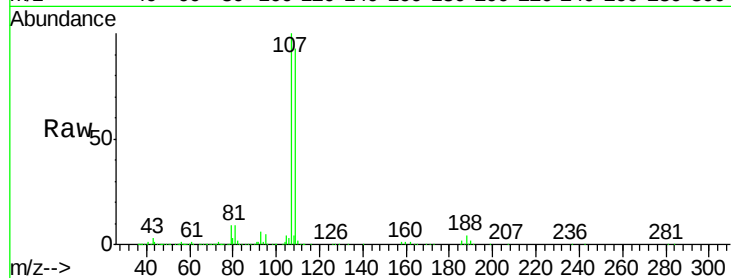
107 100

109 94.8 75.8 113.6

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.692 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

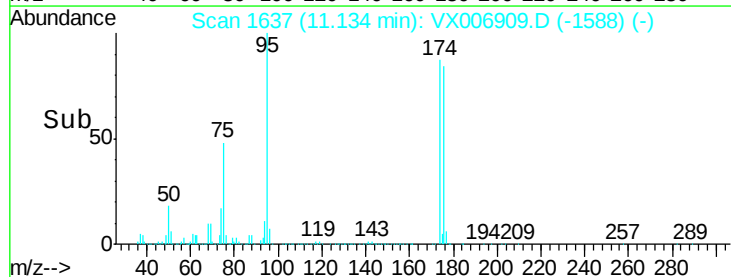
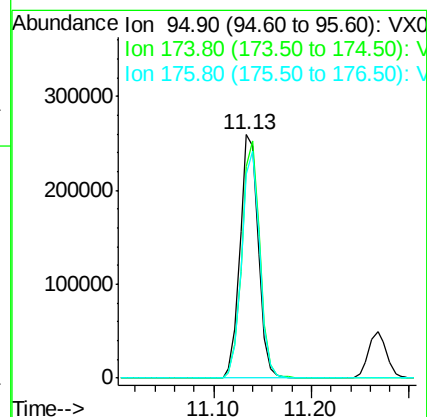
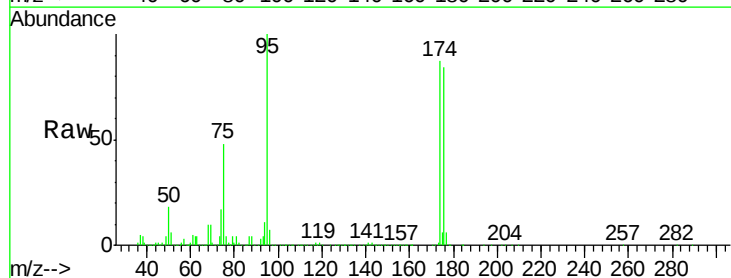
Tgt Ion: 95 Resp: 335977

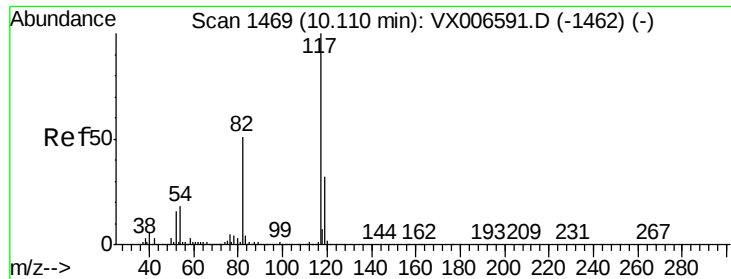
Ion Ratio Lower Upper

95 100

174 94.9 0.0 182.2

176 91.9 0.0 178.8





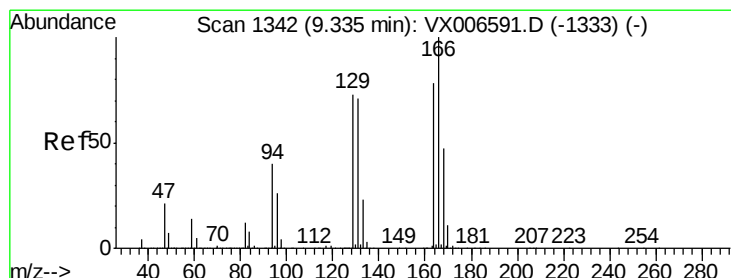
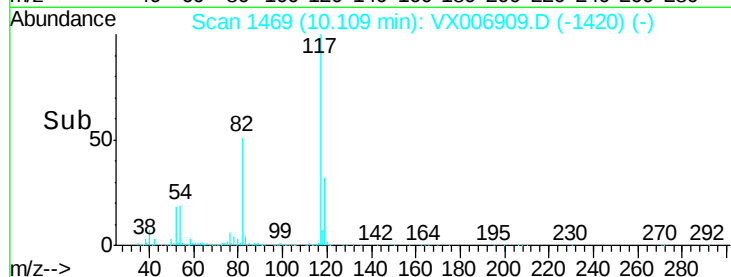
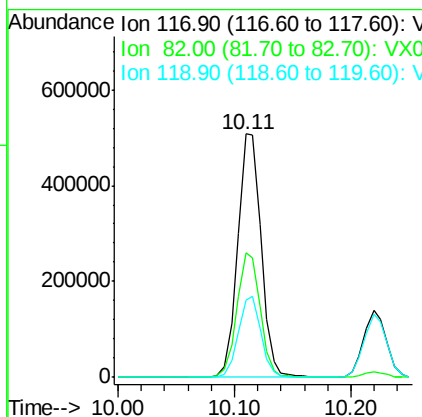
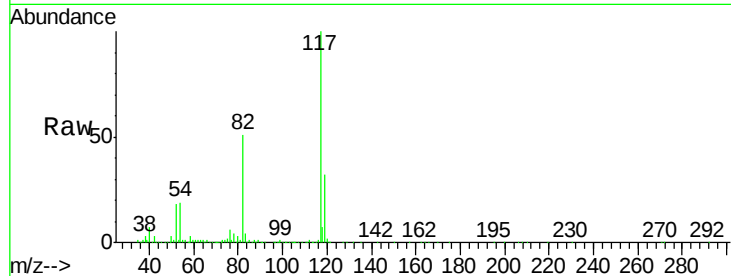
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.0	61.6
119	31.7	25.4	38.0

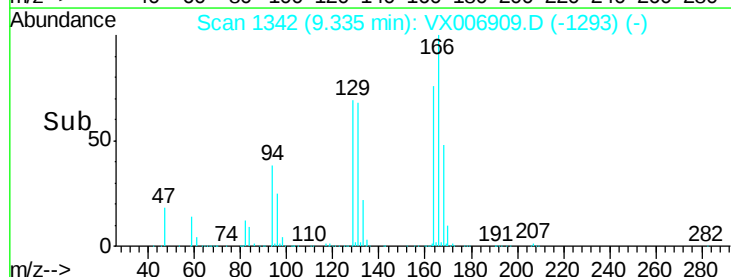
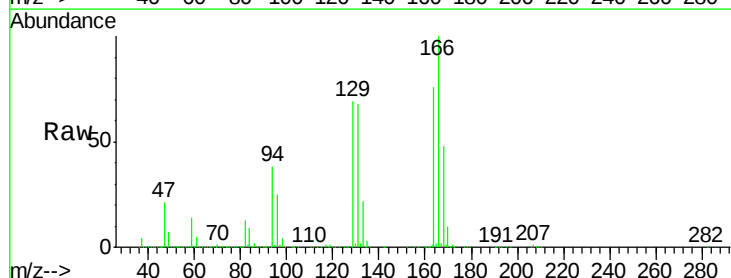
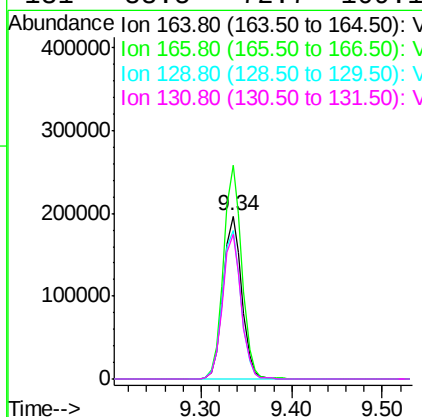
Manual Integrations
APPROVED

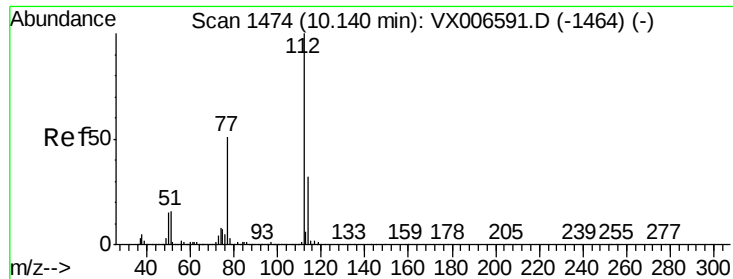
MMDadoda
1/7/2019 11:04:14 AM



#64
Tetrachloroethene
Concen: 49.706 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	102.5	153.7
129	91.0	75.1	112.7
131	88.5	72.7	109.1





#65

Chlorobenzene

Concen: 50.614 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 764008

Ion Ratio Lower Upper

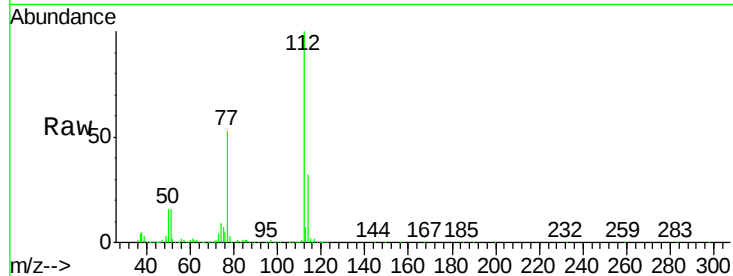
112 100

114 32.0 25.7 38.5

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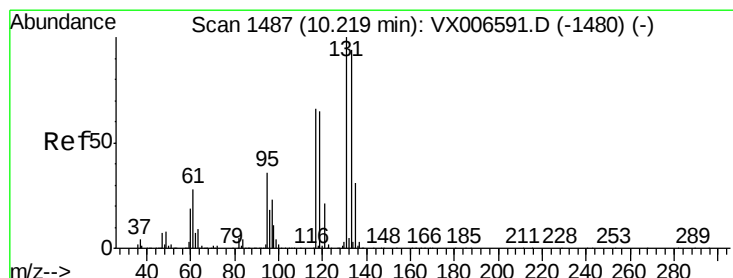
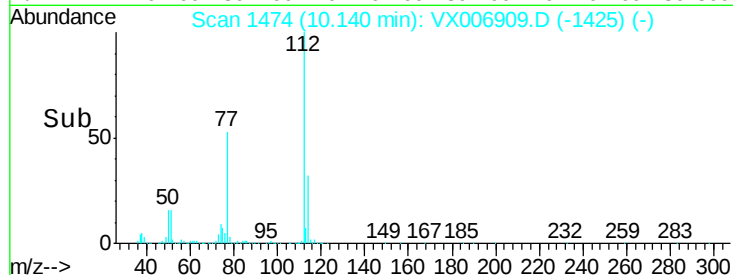
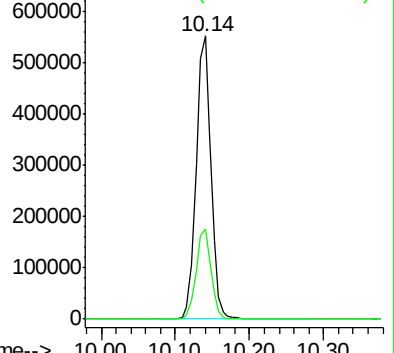
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 59.329 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

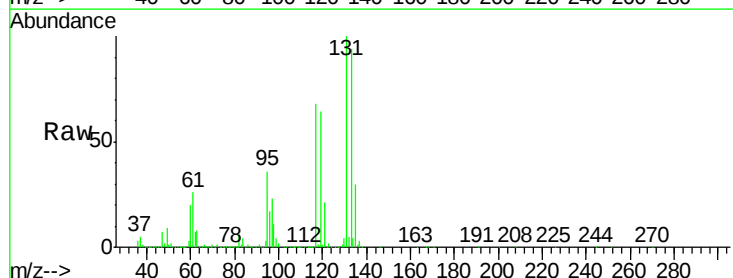
Tgt Ion:131 Resp: 279413

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

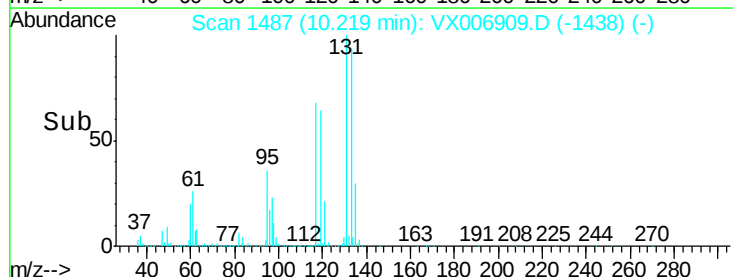
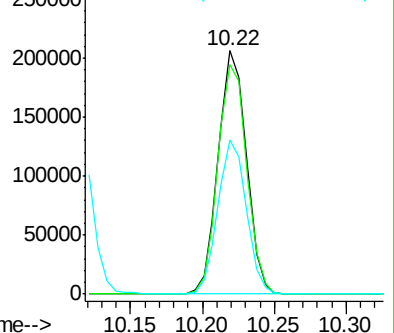
119 63.6 32.6 97.8

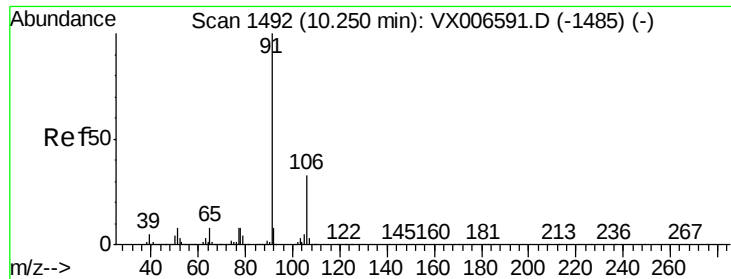


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.800 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1253034

Ion Ratio Lower Upper

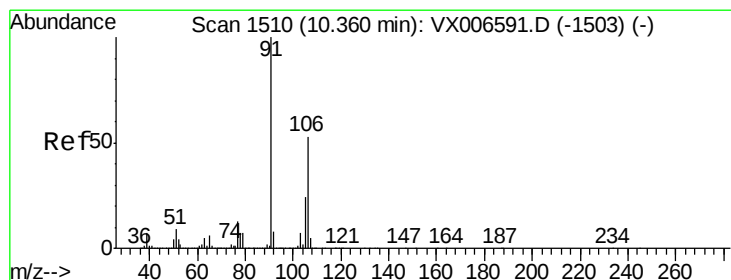
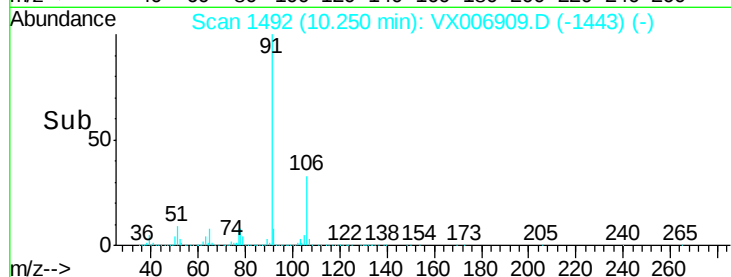
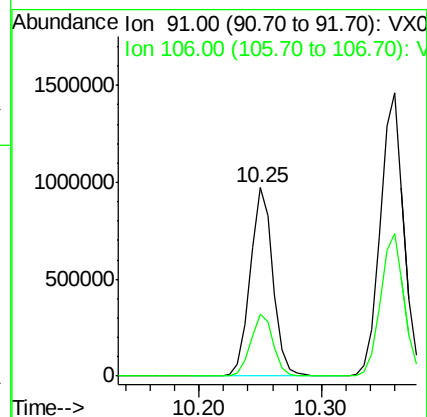
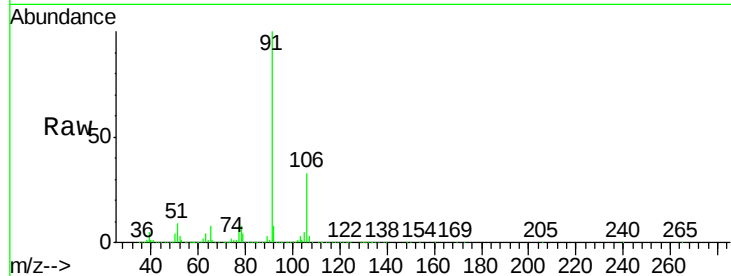
91 100

106 32.7 26.4 39.6

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#68

m/p-Xylenes

Concen: 101.092 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006909.D

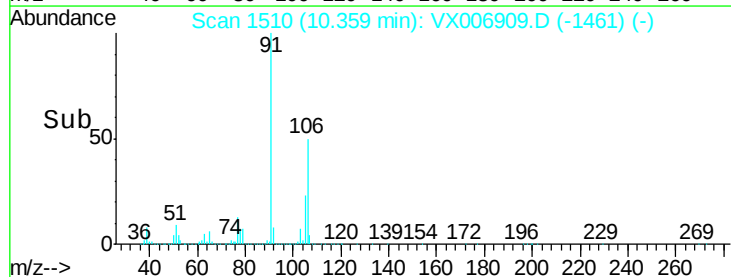
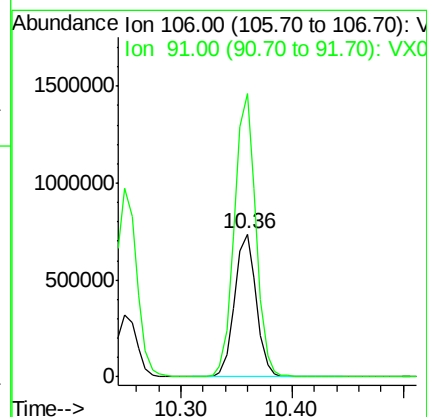
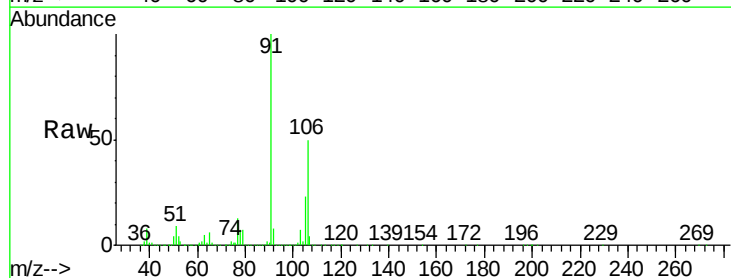
Acq: 04 Jan 2019 12:06

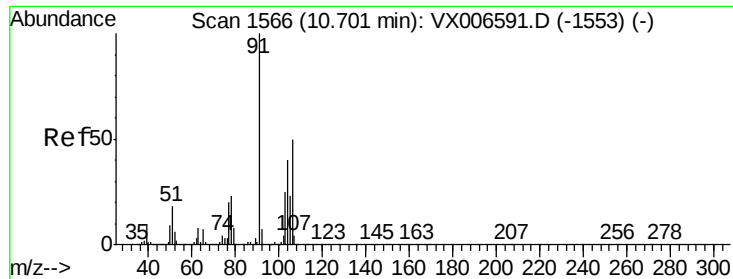
Tgt Ion: 106 Resp: 983944

Ion Ratio Lower Upper

106 100

91 197.9 155.8 233.6





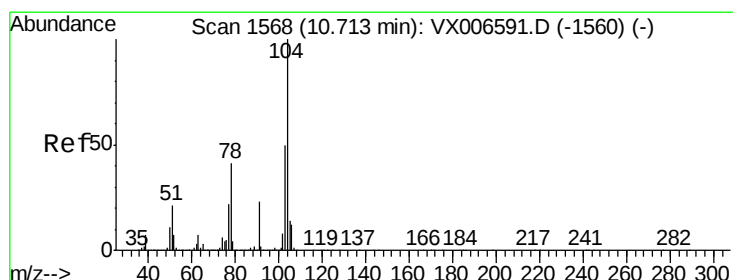
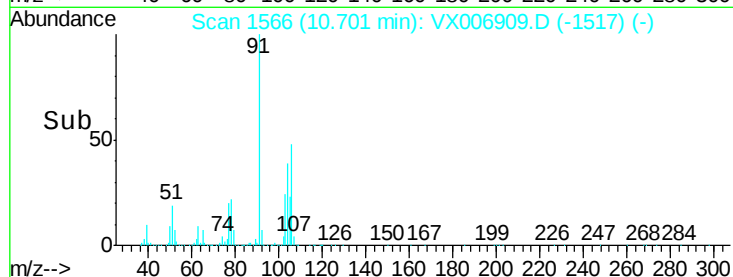
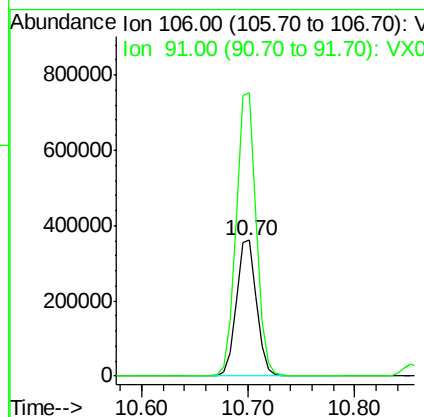
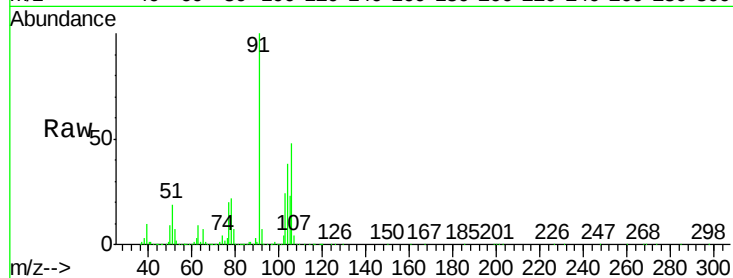
#69
o-Xylene
Concen: 50.039 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.1	101.3	303.7

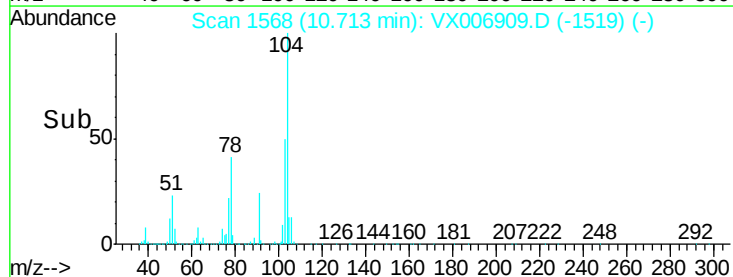
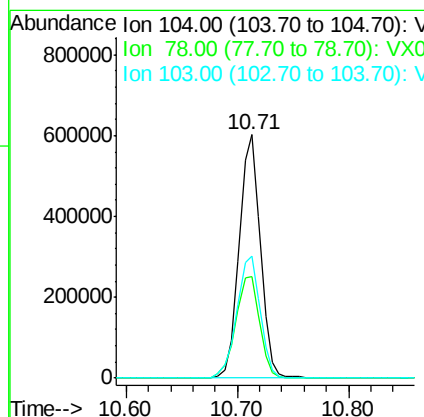
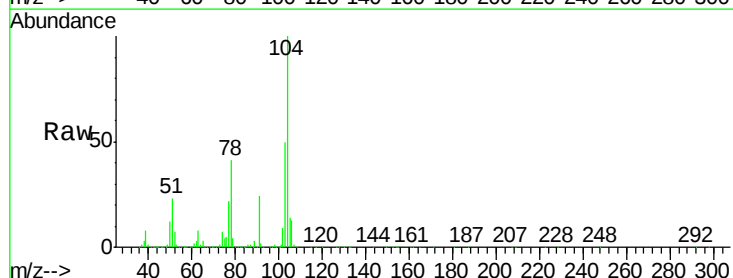
Manual Integrations
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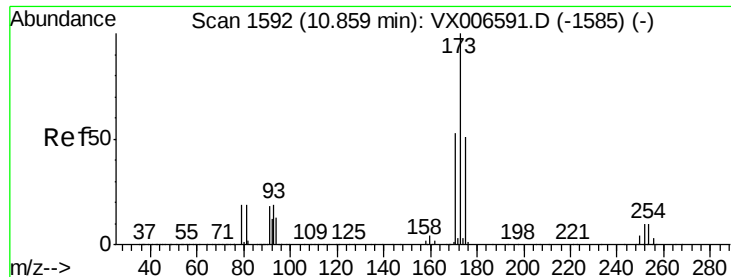
MMDadoda
1/7/2019 11:04:14 AM



#70
Styrene
Concen: 52.140 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.7	56.5
103	55.5	43.8	65.8





#71

Bromoform

Concen: 49.970 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

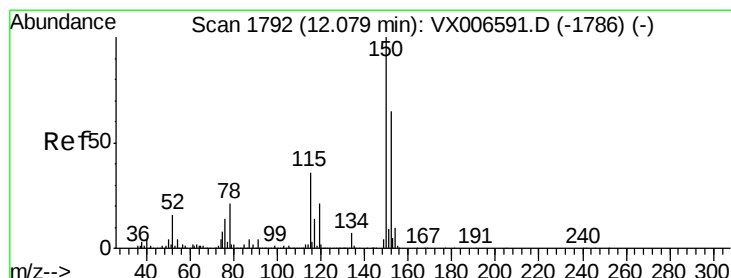
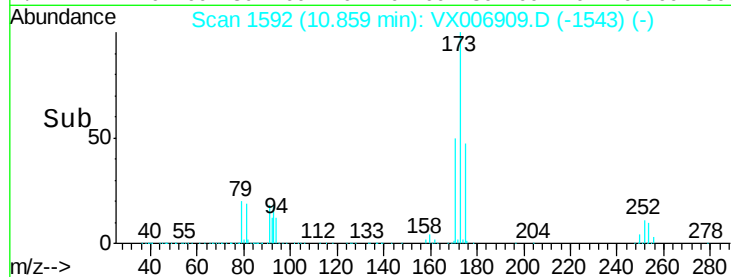
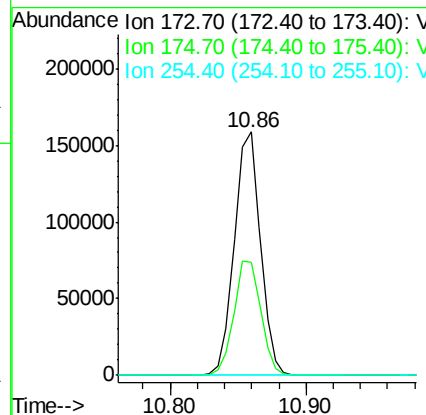
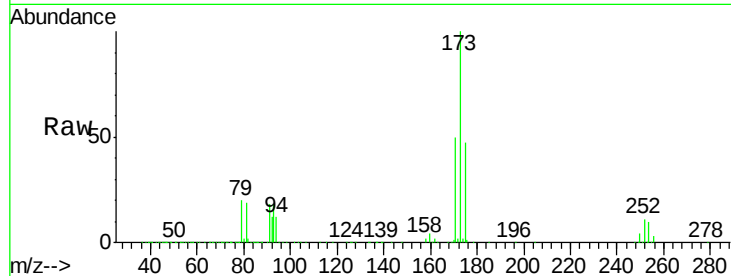
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.7	74.1
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

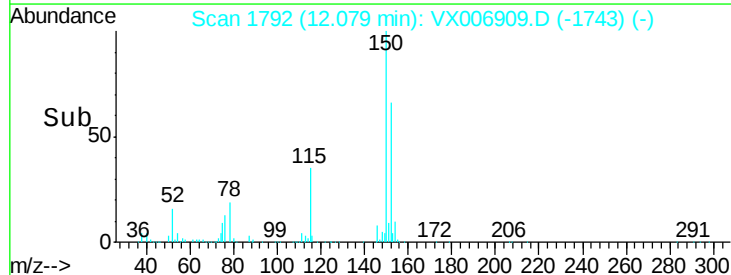
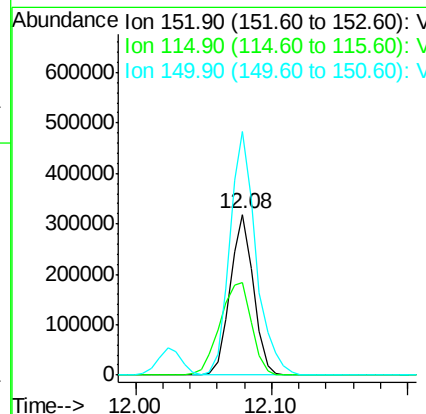
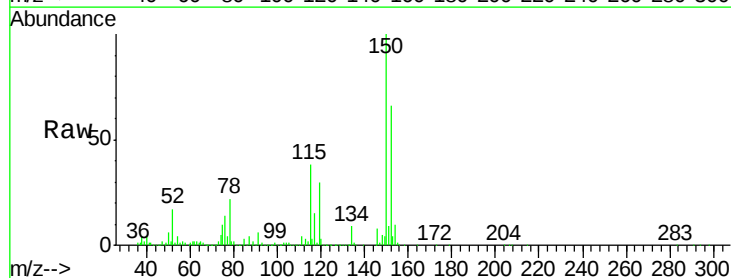
RT: 12.08 min Scan# 1792

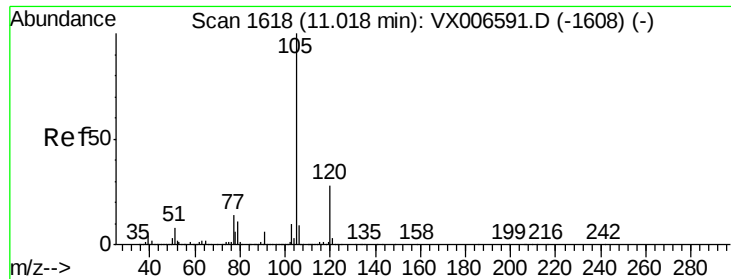
Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.5	39.1	117.2
150	171.3	0.0	344.8





#73

Isopropylbenzene

Concen: 50.816 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1301226

Ion Ratio Lower Upper

105 100

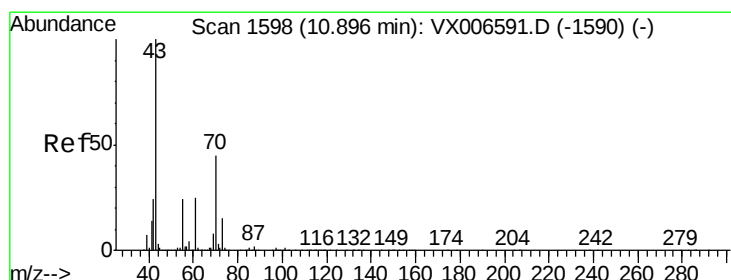
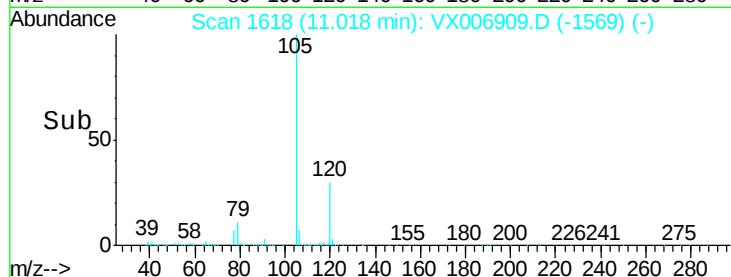
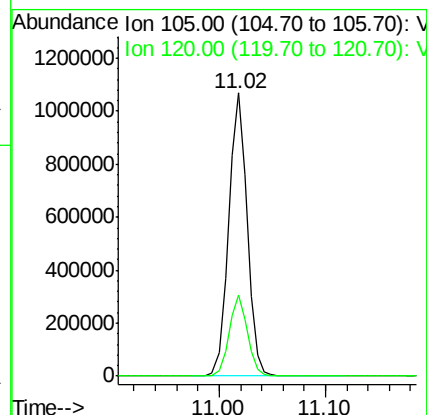
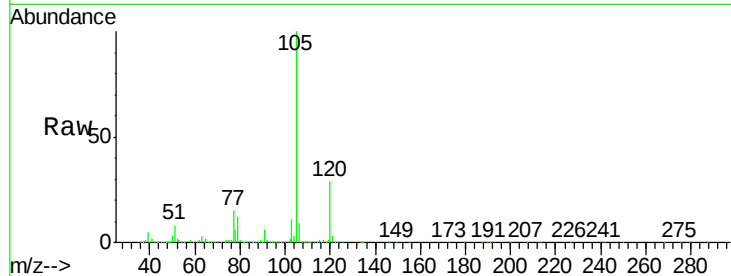
120 28.1 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.331 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion: 43 Resp: 516310

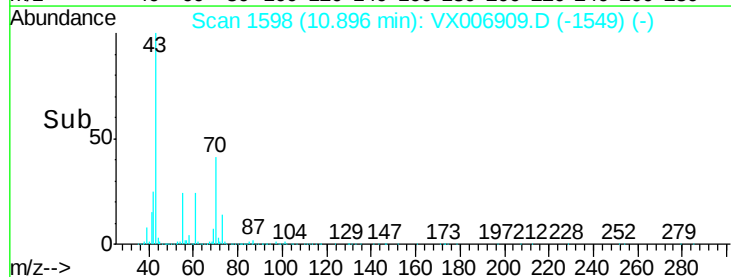
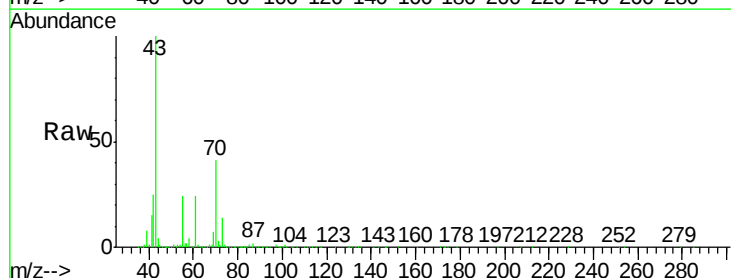
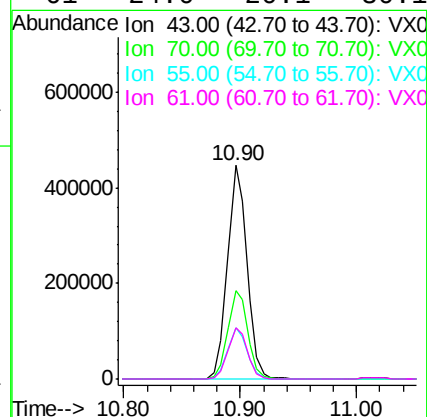
Ion Ratio Lower Upper

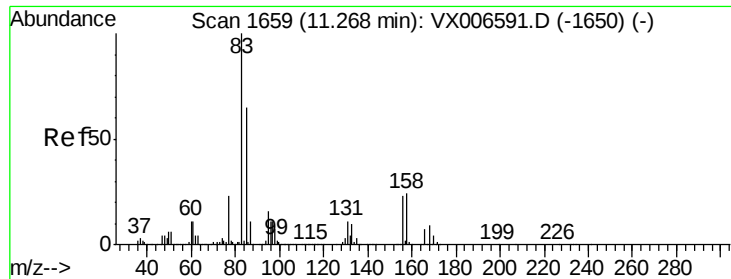
43 100

70 42.5 35.8 53.8

55 24.2 19.4 29.0

61 24.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.838 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 402385

Ion Ratio Lower Upper

83 100

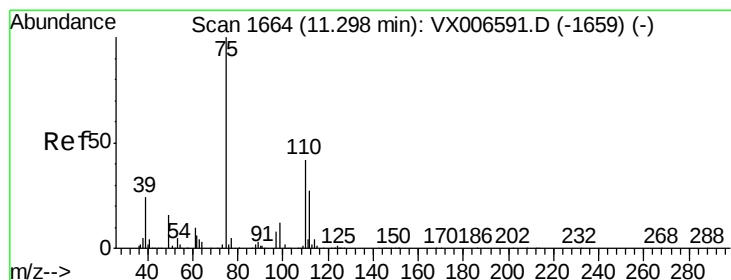
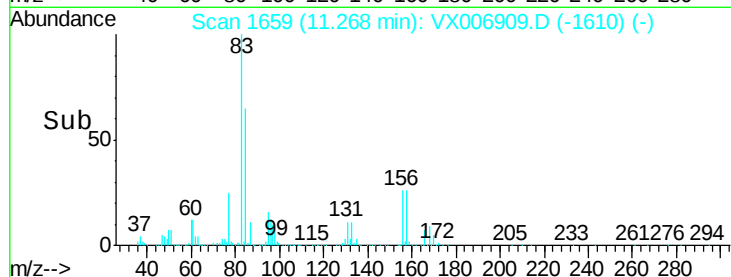
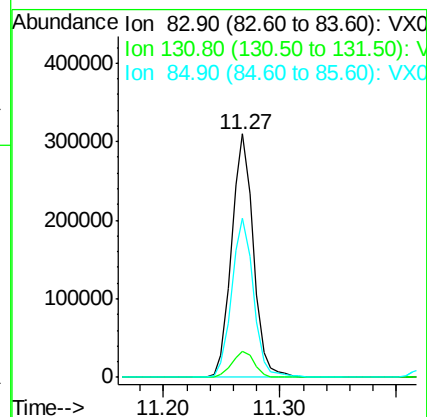
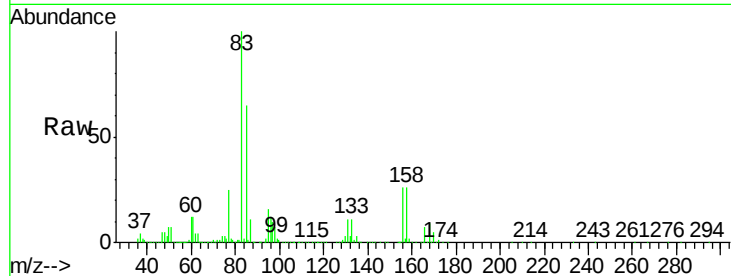
131 11.1 5.7 17.1

85 65.6 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 53.272 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006909.D

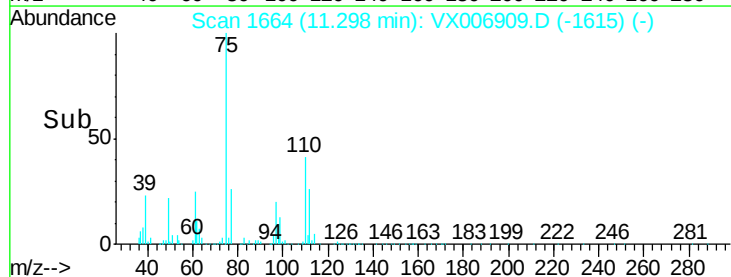
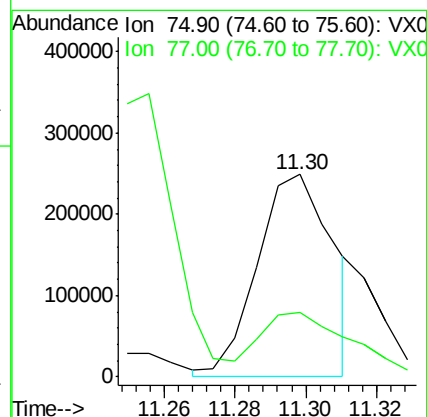
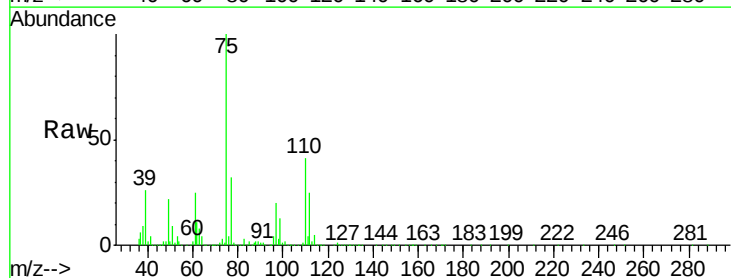
Acq: 04 Jan 2019 12:06

Tgt Ion: 75 Resp: 370565

Ion Ratio Lower Upper

75 100

77 38.1 18.5 55.5





#77

Bromobenzene

Concen: 50.990 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

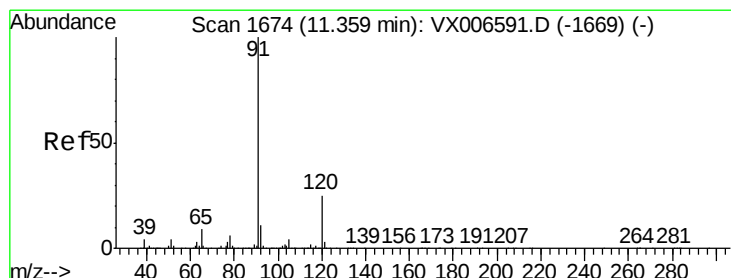
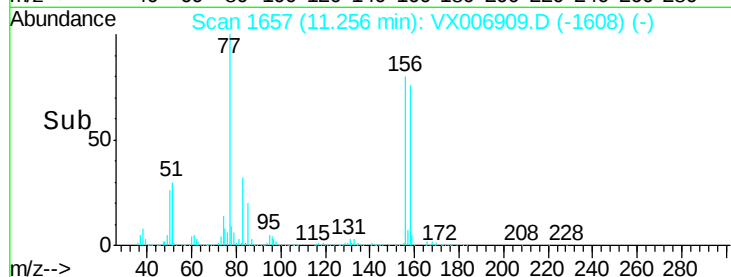
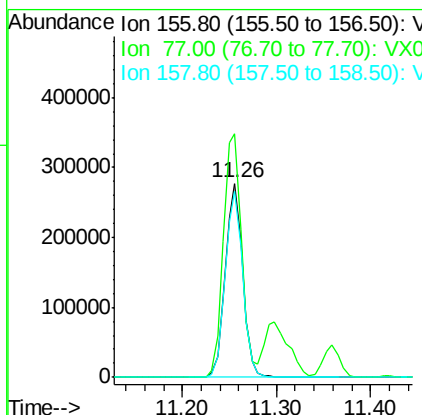
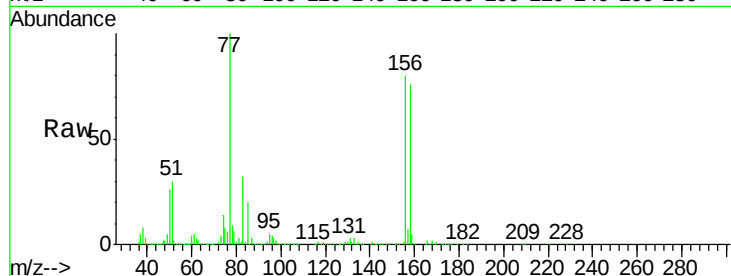
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.9	68.0	204.0
158	97.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.136 ug/l

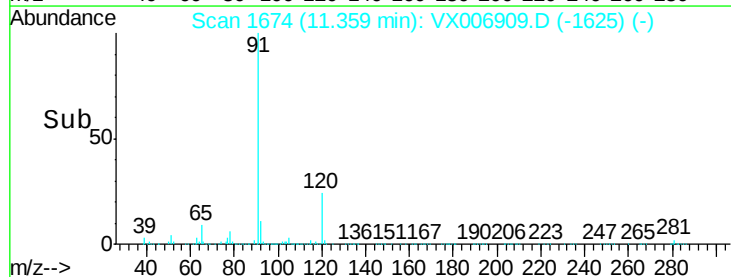
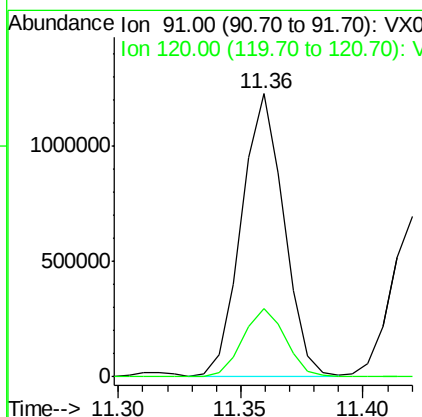
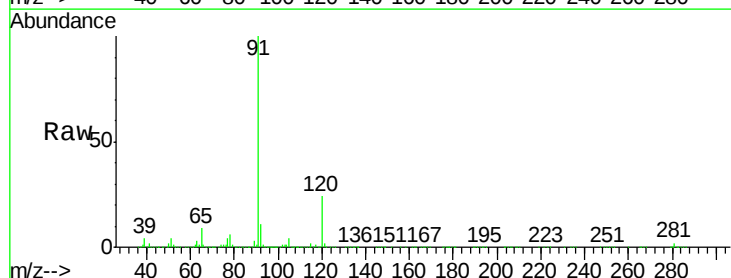
RT: 11.36 min Scan# 1674

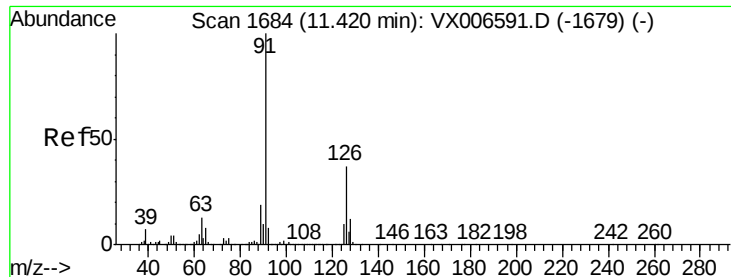
Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.7	38.0





#79

2-Chlorotoluene

Concen: 49.360 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 843474

Ion Ratio Lower Upper

91 100

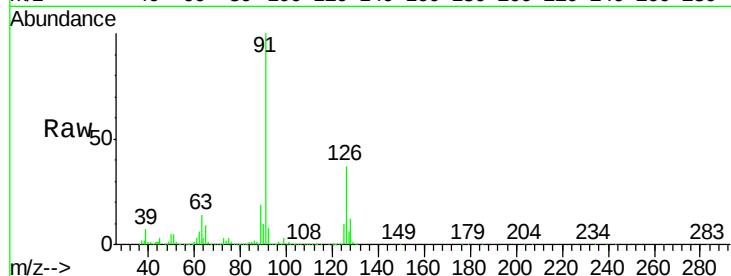
126 37.4 18.6 56.0

Manual Integrations

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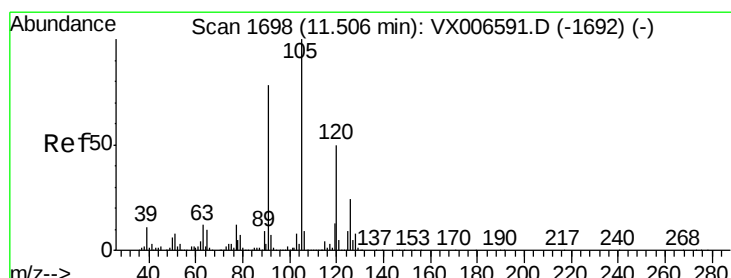
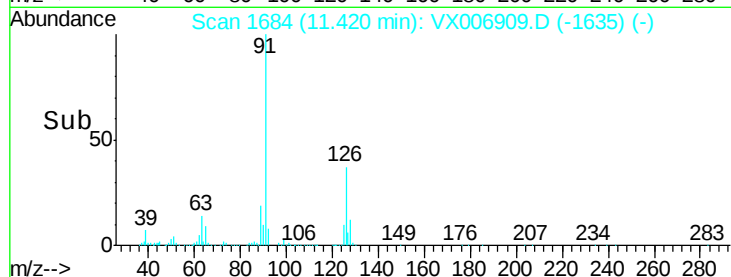
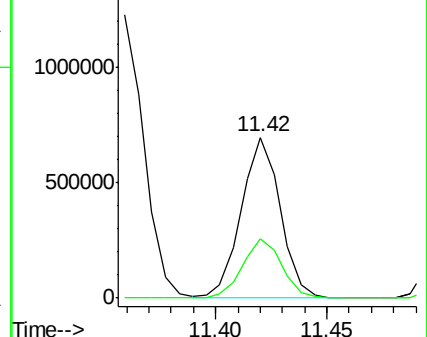
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Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006591.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.357 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006909.D

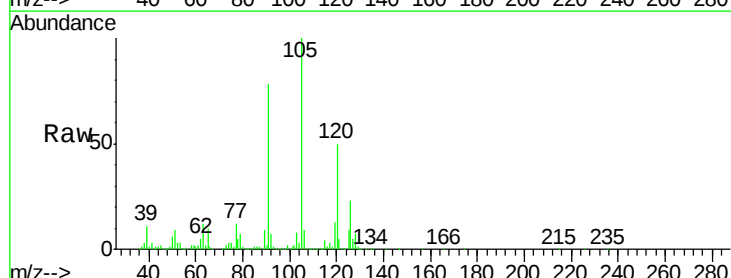
Acq: 04 Jan 2019 12:06

Tgt Ion: 105 Resp: 1083197

Ion Ratio Lower Upper

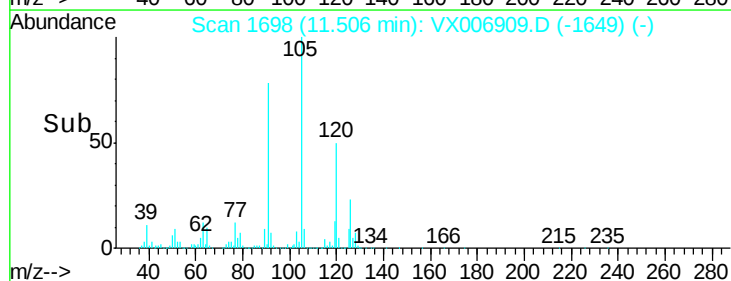
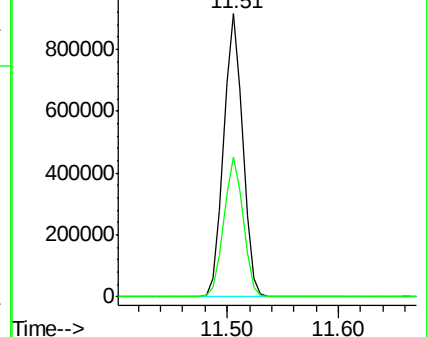
105 100

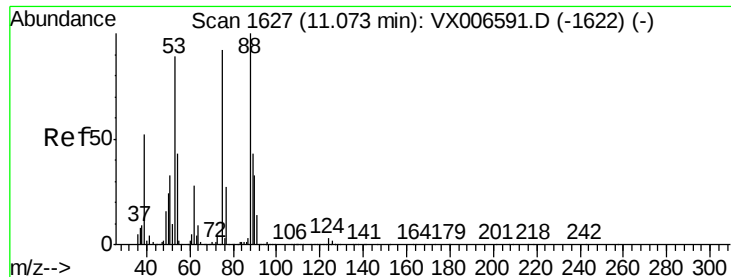
120 49.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.755 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 111178

Ion Ratio Lower Upper

75 100

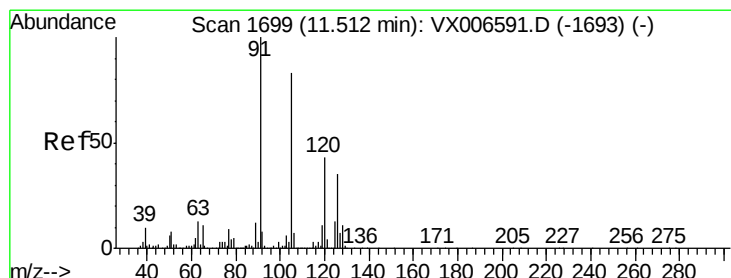
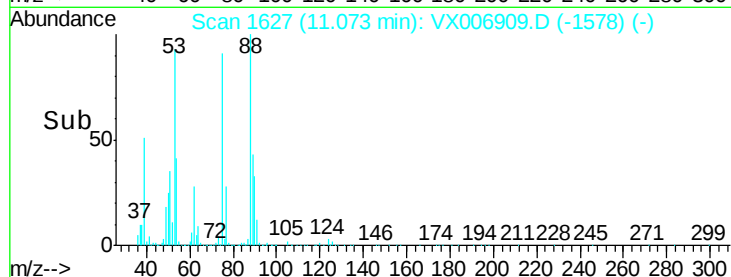
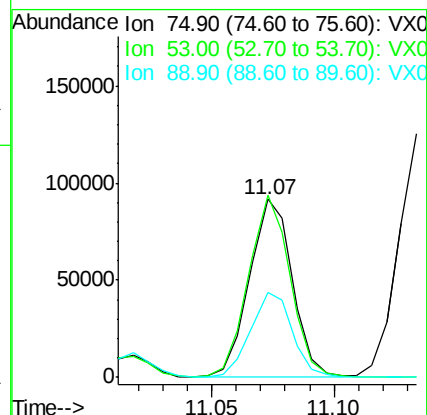
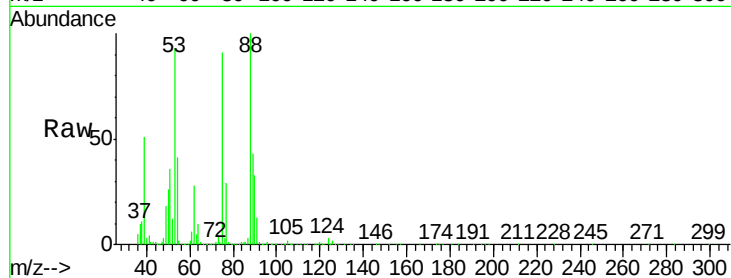
53 99.8 79.7 119.5

89 47.0 38.0 57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.680 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006909.D

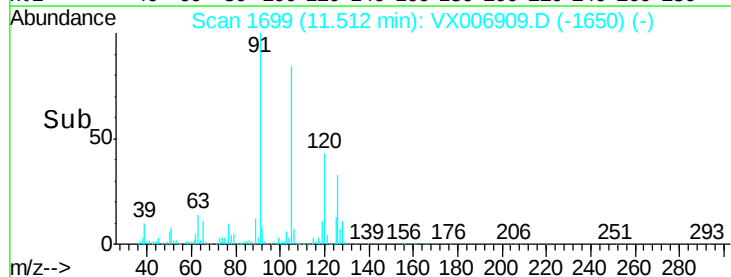
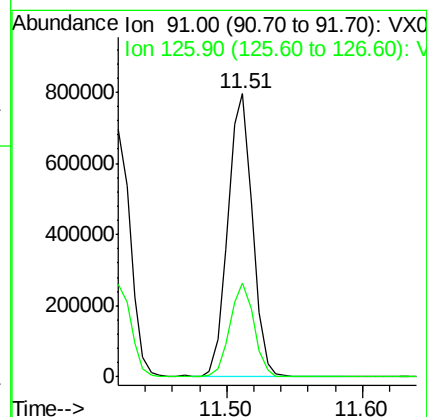
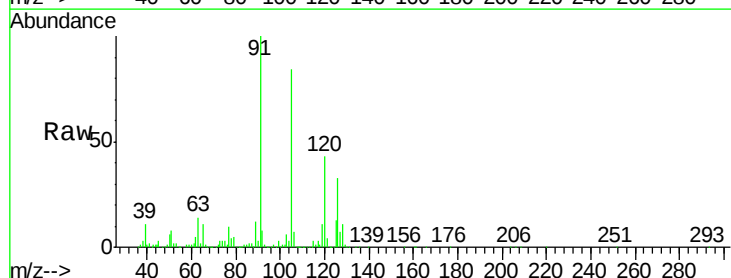
Acq: 04 Jan 2019 12:06

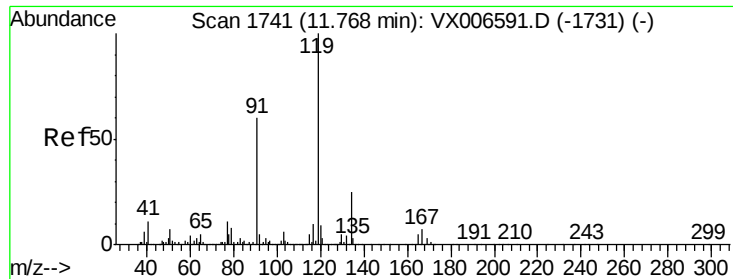
Tgt Ion: 91 Resp: 993401

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.9





#83

tert-Butylbenzene

Concen: 53.279 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:119 Resp: 1124680

Ion Ratio Lower Upper

119 100

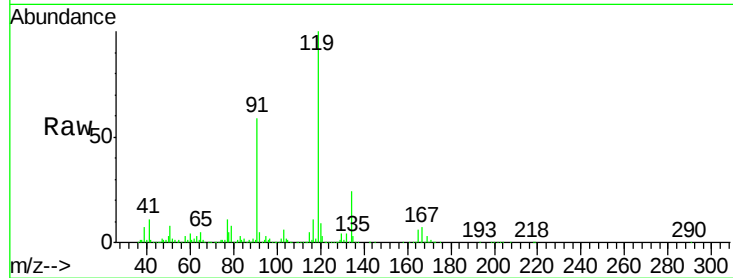
91 54.3 27.7 83.1

134 23.3 11.9 35.5

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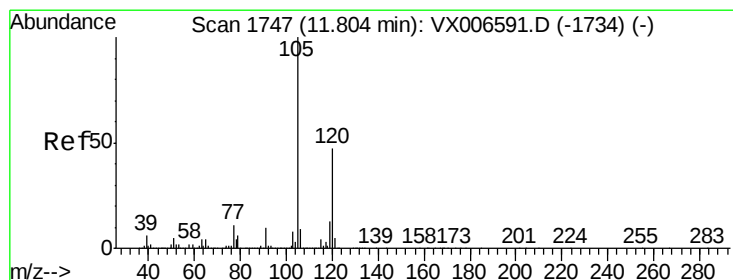
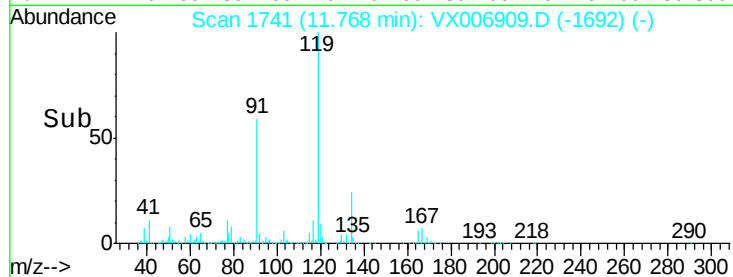
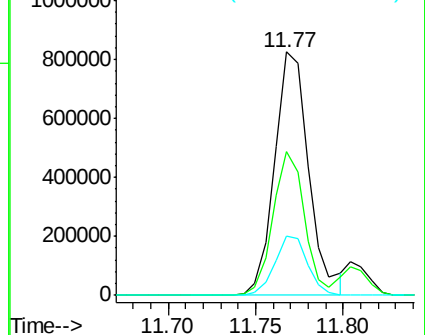
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.809 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006909.D

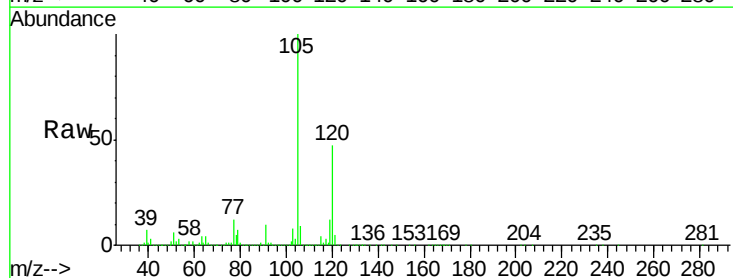
Acq: 04 Jan 2019 12:06

Tgt Ion:105 Resp: 1104995

Ion Ratio Lower Upper

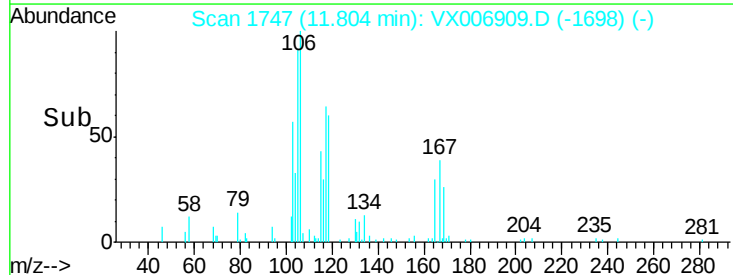
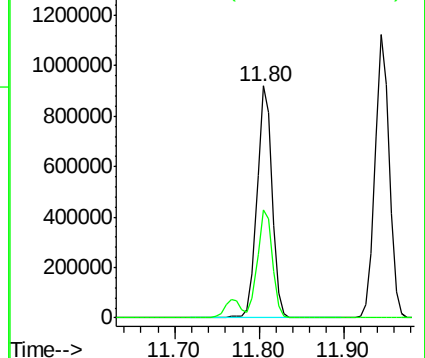
105 100

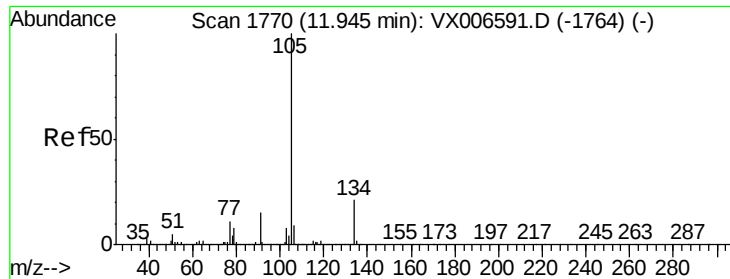
120 46.1 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.153 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1323898

Ion Ratio Lower Upper

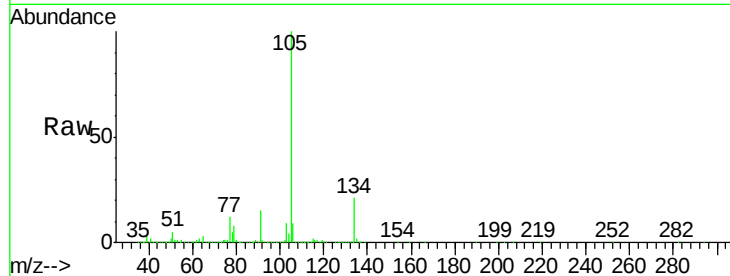
105 100

134 21.4 10.7 31.9

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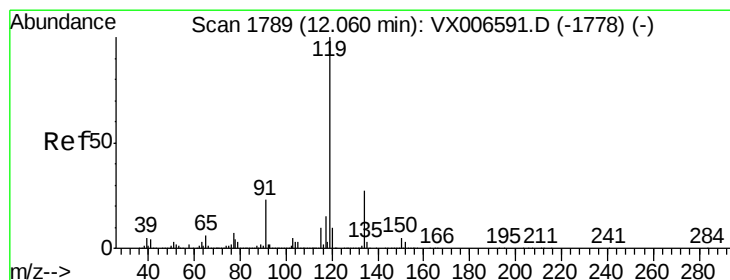
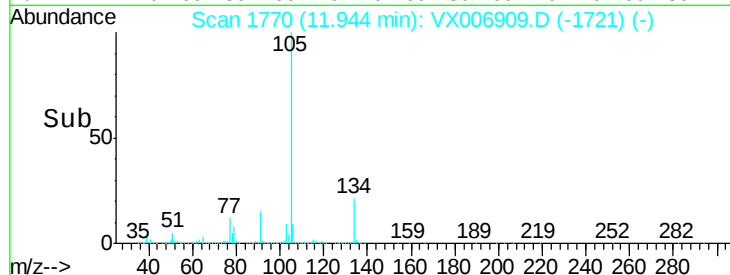
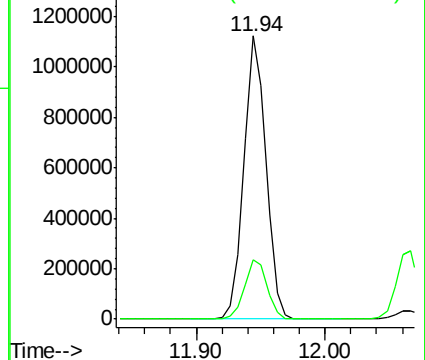
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.322 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

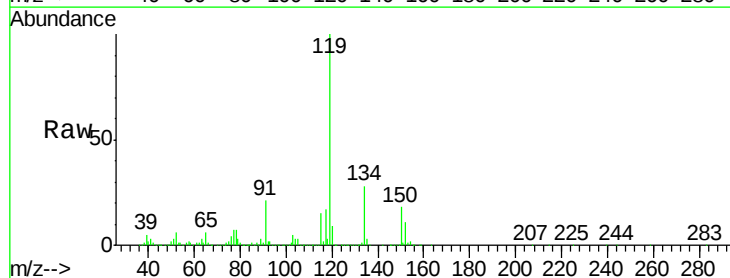
Tgt Ion:119 Resp: 1190341

Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

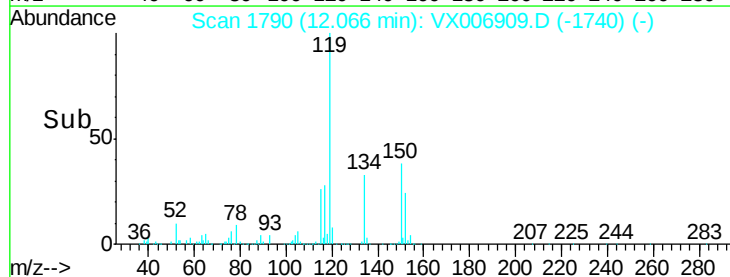
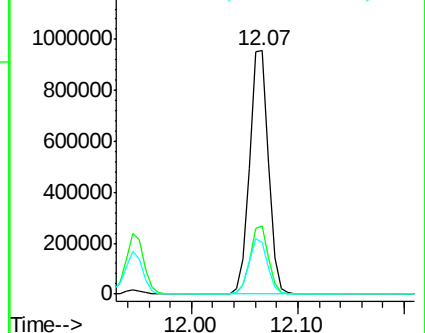
91 22.4 11.3 33.9

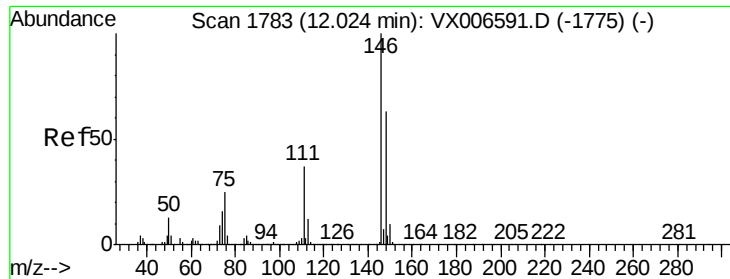


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





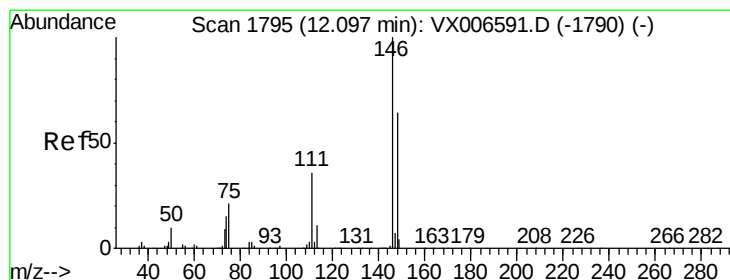
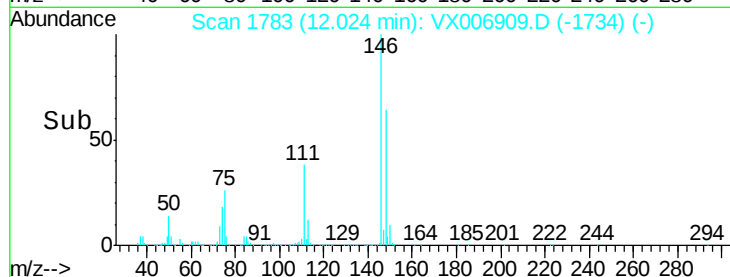
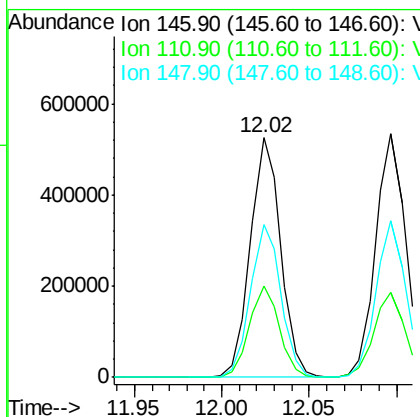
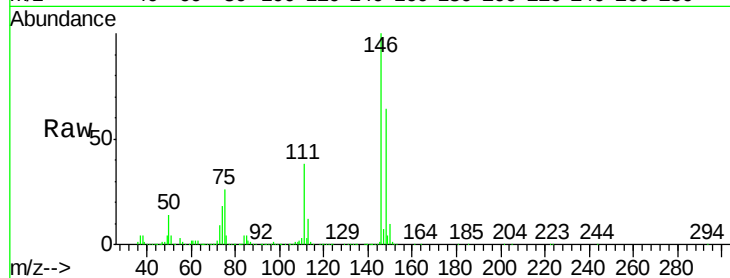
#87
 1,3-Dichlorobenzene
 Concen: 50.868 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006909.D
 Acq: 04 Jan 2019 12:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	64.2	31.8	95.3

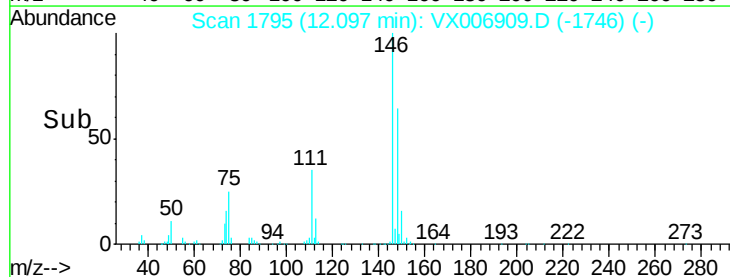
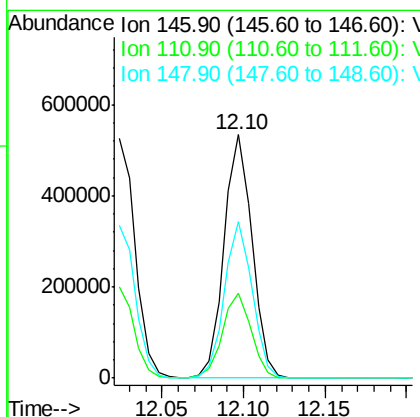
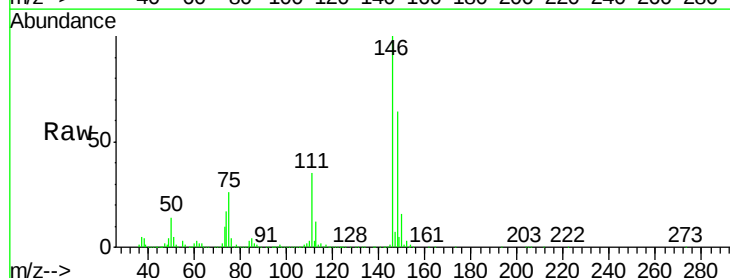
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 49.865 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006909.D
 Acq: 04 Jan 2019 12:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.1
148	63.8	31.9	95.9





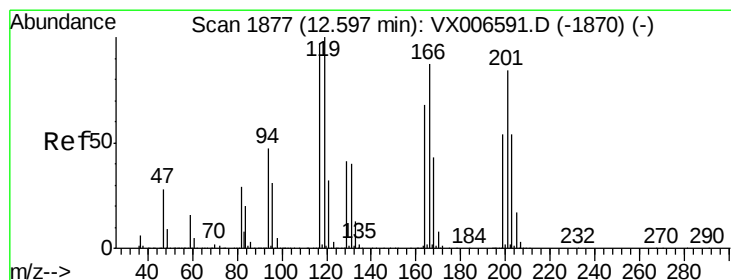
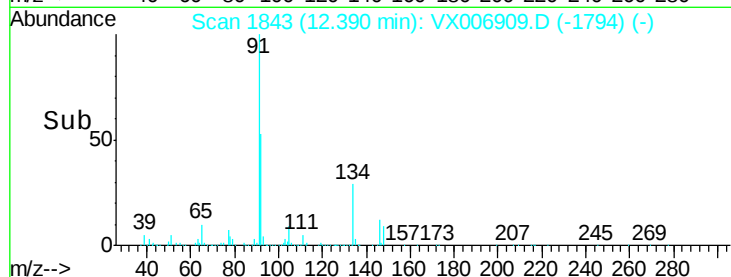
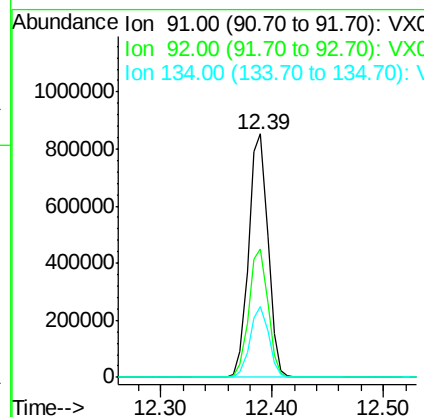
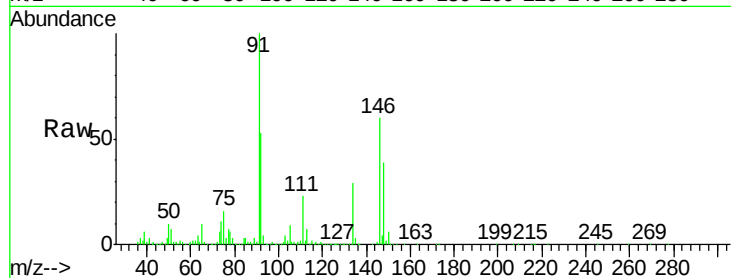
#89
n-Butylbenzene
Concen: 52.929 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1024797
Ion Ratio Lower Upper
91 100
92 52.4 26.8 80.4
134 28.3 14.4 43.2

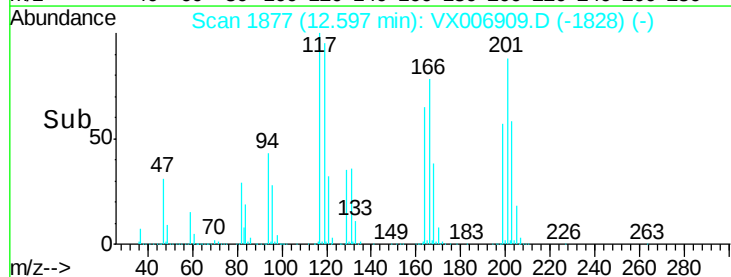
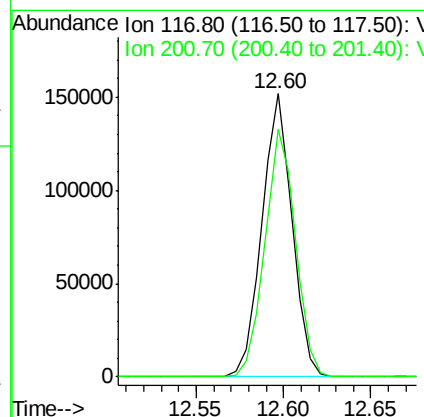
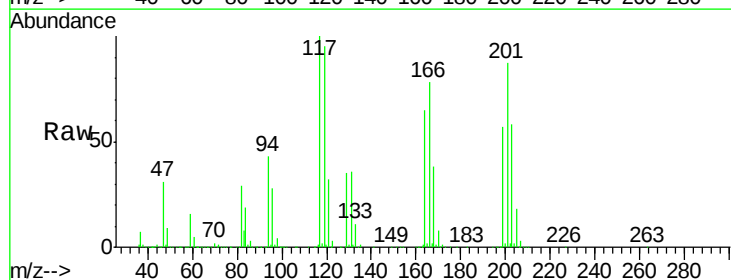
Manual Integrations
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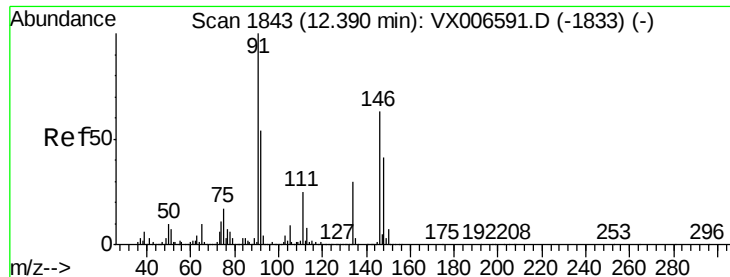
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#90
Hexachloroethane
Concen: 50.791 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006909.D
Acq: 04 Jan 2019 12:06

Tgt Ion: 117 Resp: 181041
Ion Ratio Lower Upper
117 100
201 89.1 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 50.740 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

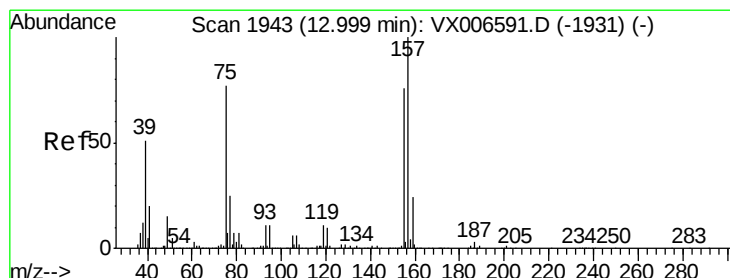
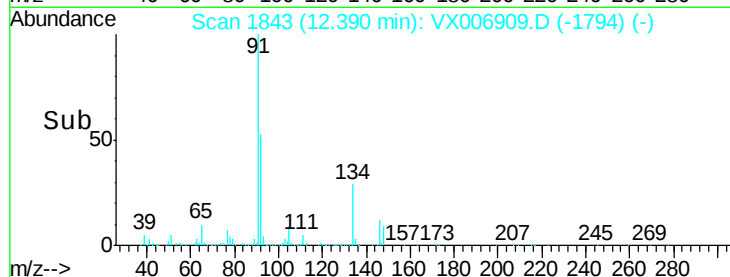
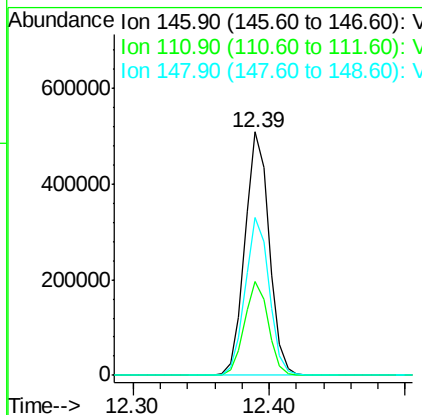
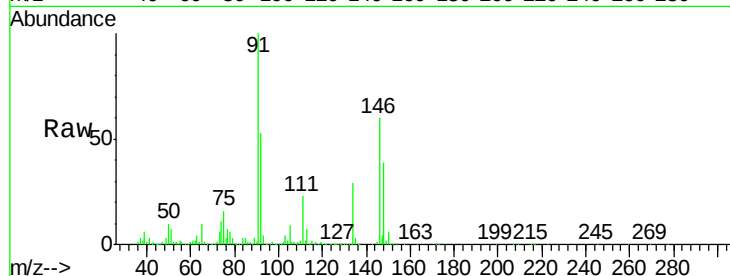
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	633290
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.4	58.2
148	64.4	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.394 ug/l

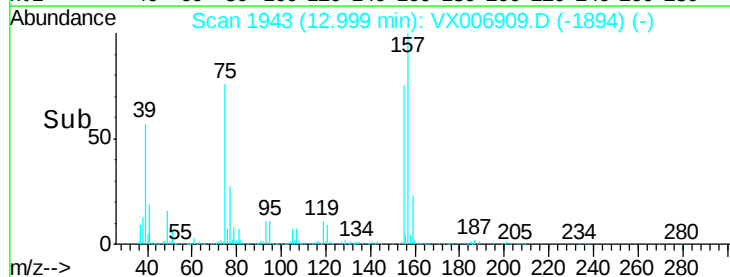
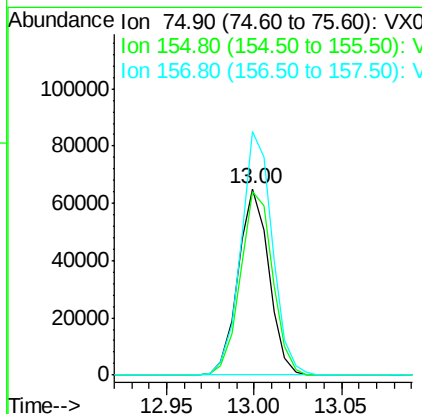
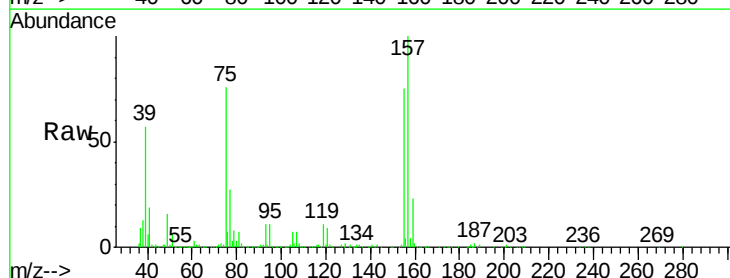
RT: 13.00 min Scan# 1943

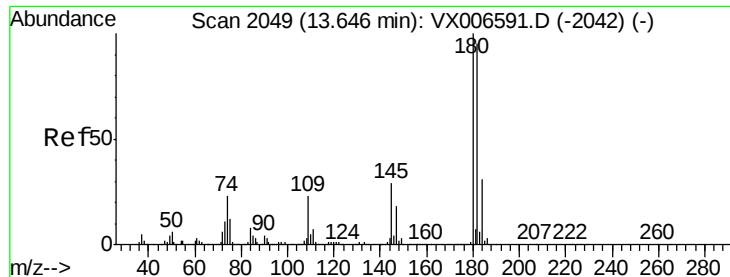
Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion:	75	Resp:	79408
Ion Ratio	Lower	Upper	
75	100		
155	103.7	50.6	151.8
157	133.7	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 52.246 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

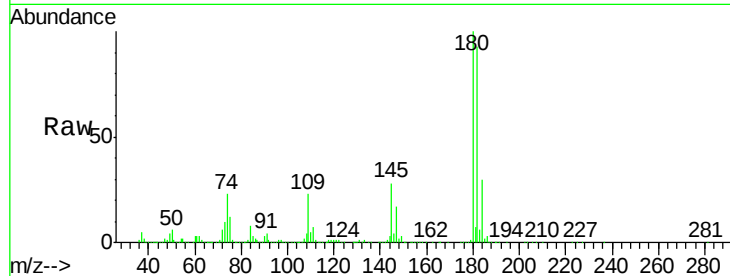
ClientSampled :

VSTDCCC050

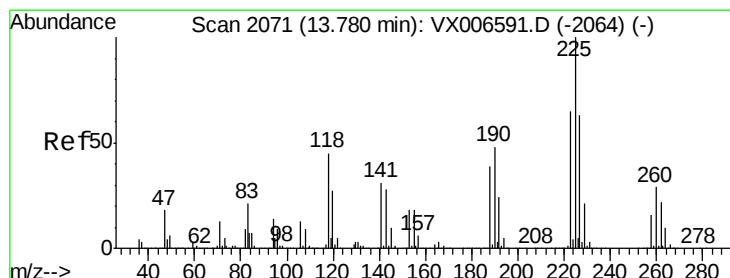
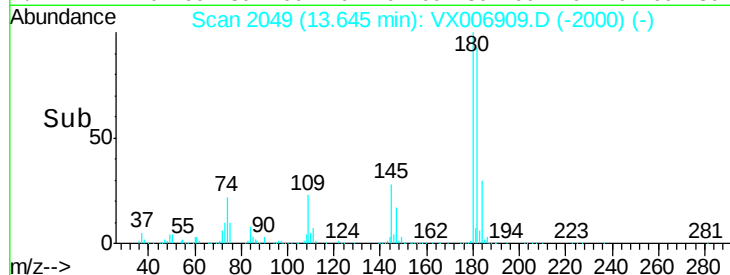
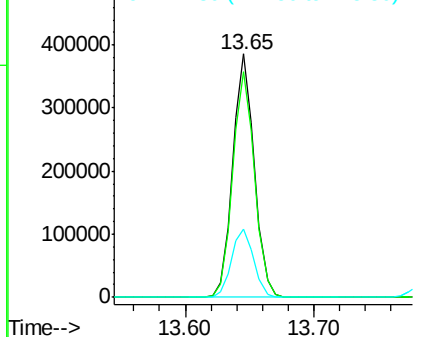
Tot Ion:	180	Resp:	449803
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.3	142.0
145	29.1	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:04:14 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 48.030 ug/l

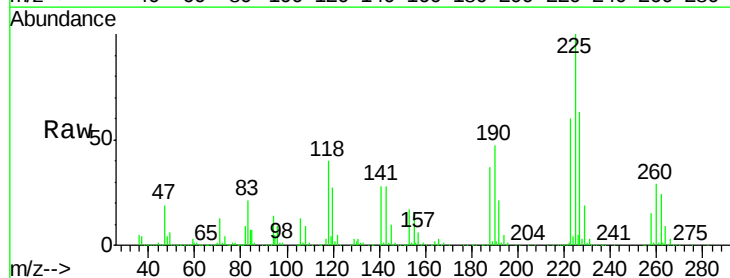
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

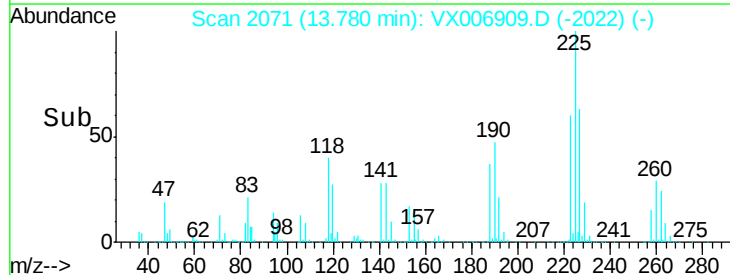
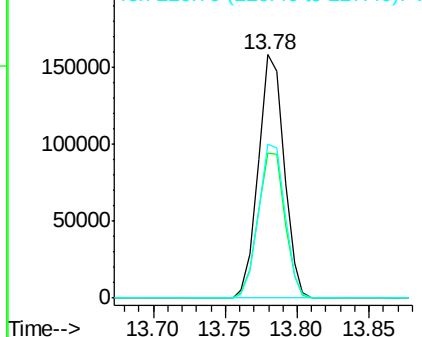
Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion:	225	Resp:	194907
Ion Ratio	Lower	Upper	
225	100		
223	62.4	32.1	96.3
227	64.6	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.382 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Instrument :

MSVOA_X

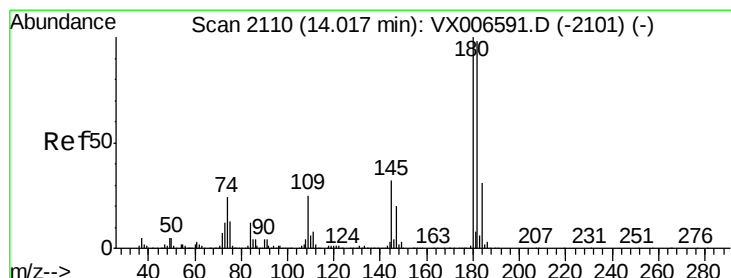
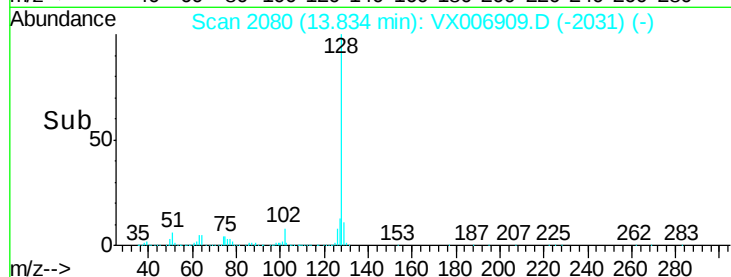
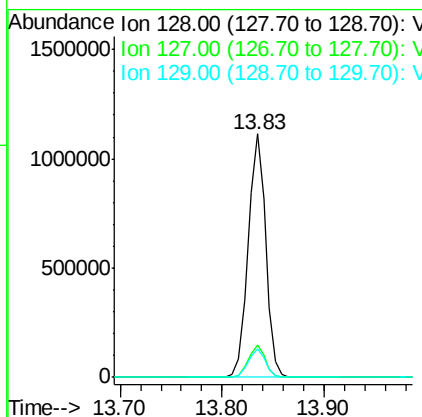
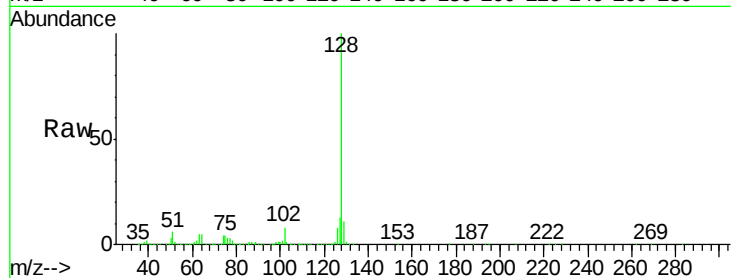
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1329463
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:04:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.809 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006909.D

Acq: 04 Jan 2019 12:06

Tgt Ion:	180	Resp:	442758
Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.5	145.5
145	30.6	16.0	47.9

