

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011019\
 Data File : VX006983.D
 Acq On : 10 Jan 2019 12:14
 Operator : JC/MD
 Sample : VX0110WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 11:43:52 AM

Quant Time: Jan 11 07:32:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	571511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	834254	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	768216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	395608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	291640	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	5.50	113	263863	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.71	98	982980	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.13	95	361610	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	100282	21.367	ug/l	100
3) Chloromethane	1.33	50	110496	20.224	ug/l	99
4) Vinyl Chloride	1.41	62	113951	19.389	ug/l	100
5) Bromomethane	1.64	94	119940	19.101	ug/l	97
6) Chloroethane	1.72	64	74112	18.060	ug/l	97
7) Trichlorofluoromethane	1.93	101	177049	18.644	ug/l	98
8) Diethyl Ether	2.19	74	69975	18.522	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	105711	18.594	ug/l	98
10) Methyl Iodide	2.51	142	146957	19.163	ug/l	99
11) Tert butyl alcohol	3.07	59	135191	95.952	ug/l	100
12) 1,1-Dichloroethene	2.37	96	97269	18.518	ug/l	98
13) Acrolein	2.29	56	45891	77.674	ug/l	96
14) Allyl chloride	2.73	41	161877	17.982	ug/l	99
15) Acrylonitrile	3.15	53	301614	93.252	ug/l	99
16) Acetone	2.45	43	275473	93.294	ug/l	99
17) Carbon Disulfide	2.57	76	227655	16.834	ug/l	99
18) Methyl Acetate	2.78	43	155666	18.204	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	336482	18.456	ug/l	99
20) Methylene Chloride	2.86	84	114071	19.971	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	105503	18.024	ug/l	99
22) Diisopropyl ether	3.87	45	314273	18.570	ug/l	100
23) Vinyl Acetate	3.82	43	1311870	91.919	ug/l	100
24) 1,1-Dichloroethane	3.70	63	184331	19.479	ug/l	99
25) 2-Butanone	4.70	43	403223	95.438	ug/l	97
26) 2,2-Dichloropropane	4.58	77	131086	18.014	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	117375	18.179	ug/l	97
28) Bromochloromethane	5.02	49	74555	17.982	ug/l	96
29) Tetrahydrofuran	5.15	42	255399	93.018	ug/l	98
30) Chloroform	5.21	83	189801	19.157	ug/l	96
31) Cyclohexane	5.57	56	158989	18.877	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	156945	18.688	ug/l	98
36) 1,1-Dichloropropene	5.80	75	138514	19.097	ug/l	98
37) Ethyl Acetate	4.85	43	150603	19.368	ug/l	98
38) Carbon Tetrachloride	5.78	117	134934	18.490	ug/l	96

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 Acq On : 10 Jan 2019 12:14
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 Sample : VX0110WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 11:43:52 AM

Quant Time: Jan 11 07:32:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	178441	19.298	ug/l	98
40) Benzene	6.14	78	416661	18.827	ug/l	98
41) Methacrylonitrile	5.06	41	80336	17.934	ug/l	99
42) 1,2-Dichloroethane	6.20	62	142621	18.649	ug/l	99
43) Isopropyl Acetate	6.46	43	228247	18.609	ug/l	99
44) Trichloroethene	7.21	130	122649	18.494	ug/l	96
45) 1,2-Dichloropropane	7.51	63	104841	18.843	ug/l	99
46) Dibromomethane	7.66	93	72024	18.419	ug/l	97
47) Bromodichloromethane	7.90	83	123658	18.578	ug/l	98
48) Methyl methacrylate	7.77	41	118536	18.819	ug/l	97
49) 1,4-Dioxane	7.75	88	57701	395.945	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	773784	98.163	ug/l	99
52) Toluene	8.78	92	273321	19.215	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	134218	18.185	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	151073	18.535	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	114379	20.089	ug/l	99
56) Ethyl methacrylate	9.18	69	161907	19.479	ug/l	96
57) 1,3-Dichloropropane	9.37	76	177976	19.080	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	418560	97.940	ug/l	99
59) 2-Hexanone	9.49	43	595068	99.062	ug/l	99
60) Dibromochloromethane	9.58	129	104368	18.878	ug/l	98
61) 1,2-Dibromoethane	9.67	107	121446	19.375	ug/l	100
64) Tetrachloroethene	9.34	164	128706	19.351	ug/l	95
65) Chlorobenzene	10.14	112	317129	18.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	105580	18.732	ug/l	99
67) Ethyl Benzene	10.25	91	526985	19.052	ug/l	100
68) m/p-Xylenes	10.36	106	419112	38.458	ug/l	99
69) o-Xylene	10.69	106	202114	19.017	ug/l	97
70) Styrene	10.71	104	325026	19.309	ug/l	99
71) Bromoform	10.85	173	76644	18.489	ug/l	98
73) Isopropylbenzene	11.02	105	539366	19.335	ug/l	99
74) N-amyl acetate	10.90	43	205764	18.320	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	164116	18.532	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	152803m	19.060	ug/l	
77) Bromobenzene	11.26	156	145972	18.991	ug/l	99
78) n-propylbenzene	11.36	91	607776	19.847	ug/l	98
79) 2-Chlorotoluene	11.42	91	355377	19.278	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	445204	19.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	38489	17.175	ug/l	91
82) 4-Chlorotoluene	11.51	91	408253	19.127	ug/l	100
83) tert-Butylbenzene	11.77	119	440695	18.950	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	457430	19.515	ug/l	99
85) sec-Butylbenzene	11.94	105	547794	19.723	ug/l	100
86) p-Isopropyltoluene	12.06	119	489188	19.691	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	264563	19.043	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	263060	20.071	ug/l	98
89) n-Butylbenzene	12.39	91	415081	19.600	ug/l	99
90) Hexachloroethane	12.60	117	67797	19.008	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	257481	18.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31890	18.207	ug/l	99

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

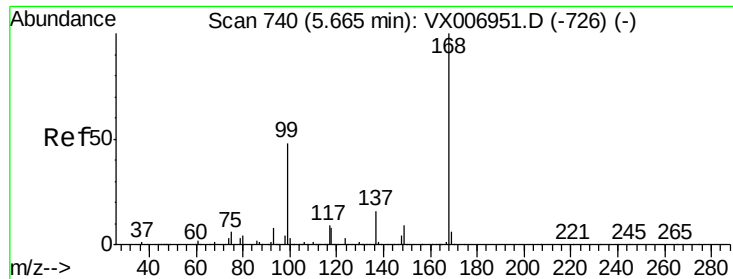
Manual Integrations
APPROVED

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1/11/2019 11:43:52 AM

Quant Time: Jan 11 07:32:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	176877	18.804	ug/l	100
94) Hexachlorobutadiene	13.78	225	81305	19.478	ug/l	99
95) Naphthalene	13.83	128	529479	18.576	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	178818	19.137	ug/l	96

(#) = 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. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion:168 Resp: 571511

Ion Ratio Lower Upper

168 100

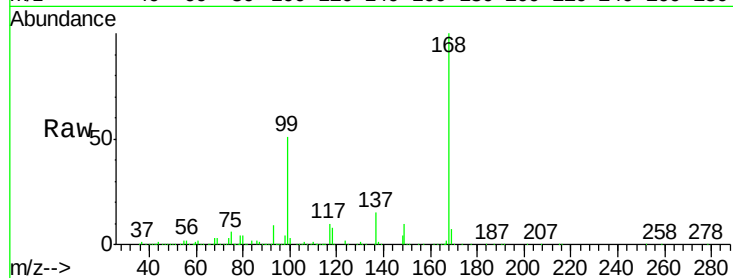
99 50.5 41.8 62.8

Manual Integrations

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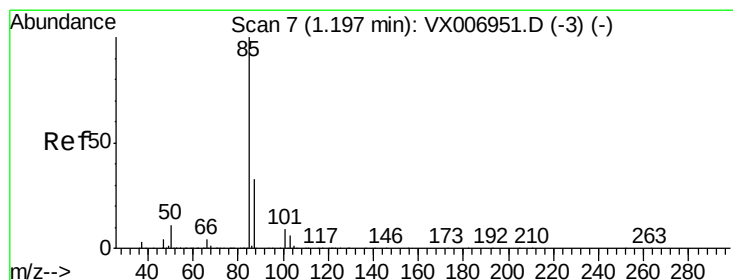
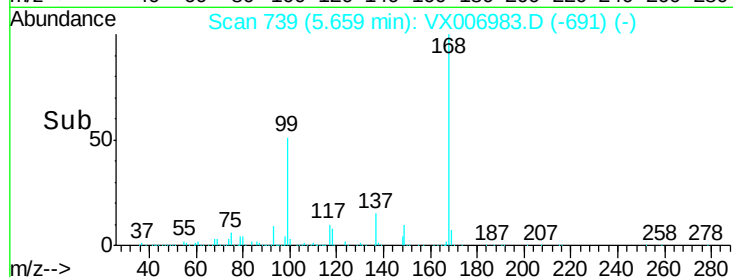
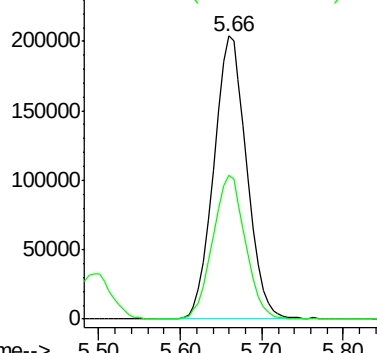
MMDadoda

1/11/2019 11:43:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.367 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006983.D

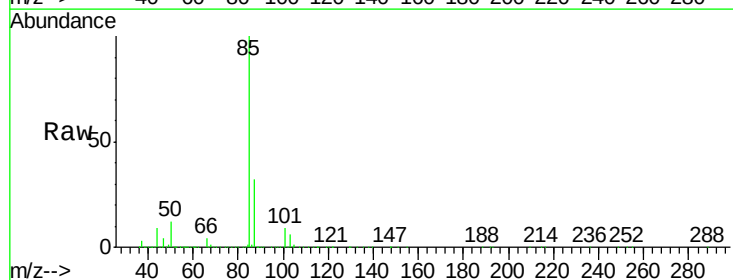
Acq: 10 Jan 2019 12:14

Tgt Ion: 85 Resp: 100282

Ion Ratio Lower Upper

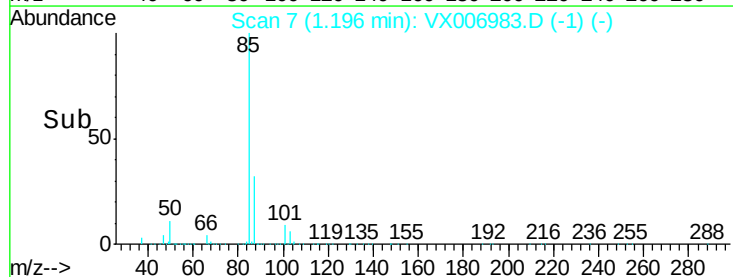
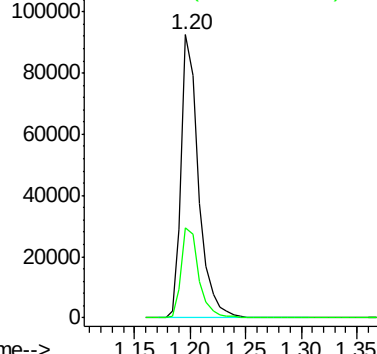
85 100

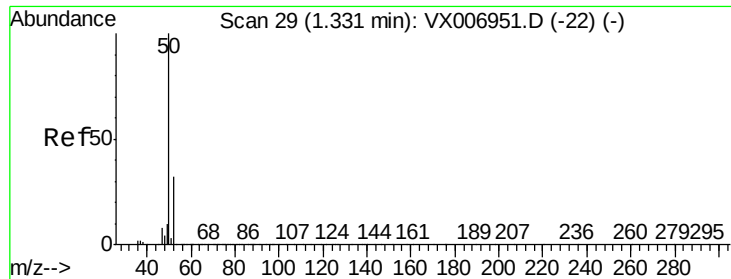
87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.224 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 50 Resp: 110496

Ion Ratio Lower Upper

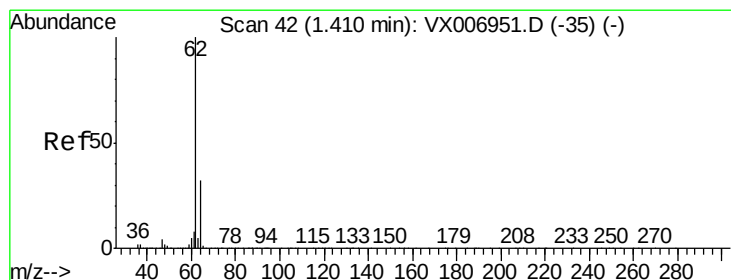
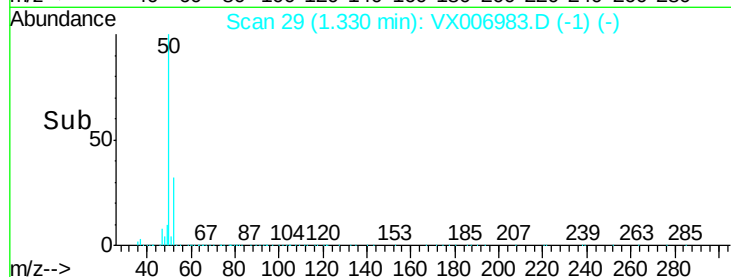
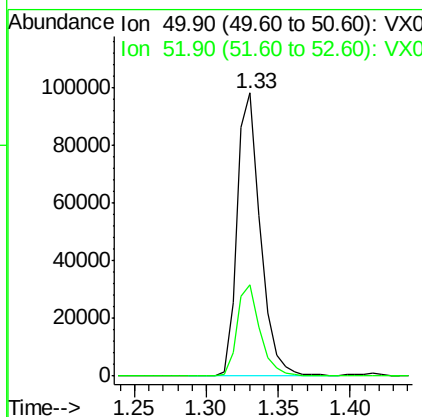
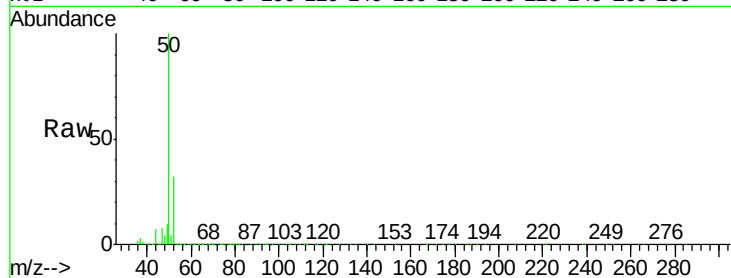
50 100

52 32.3 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.389 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006983.D

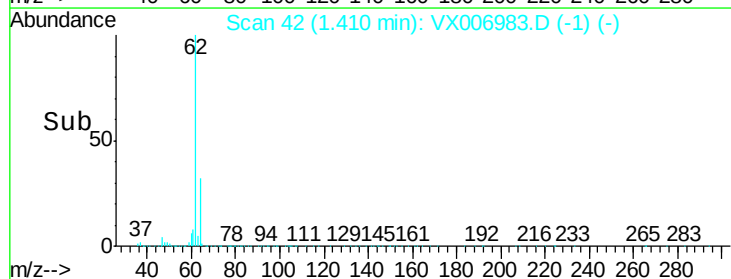
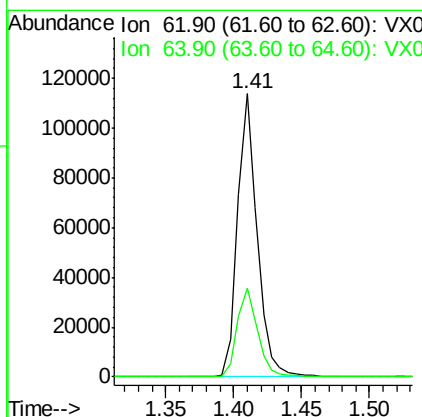
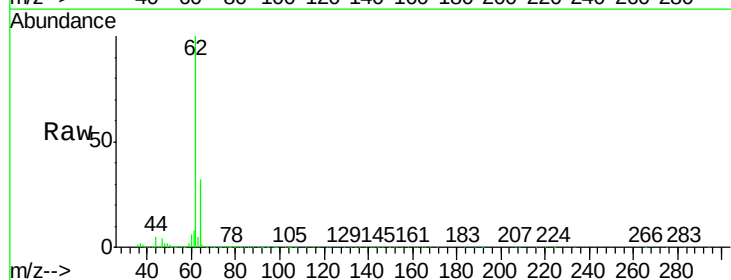
Acq: 10 Jan 2019 12:14

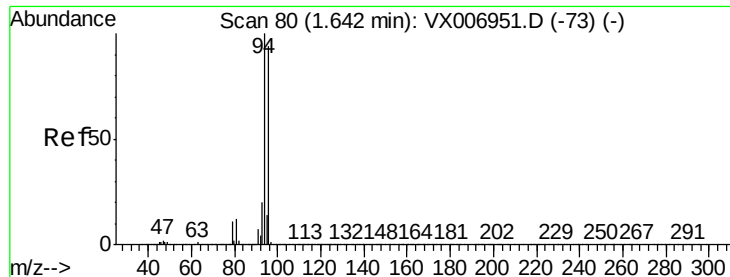
Tgt Ion: 62 Resp: 113951

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 19.101 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 94 Resp: 119940

Ion Ratio Lower Upper

94 100

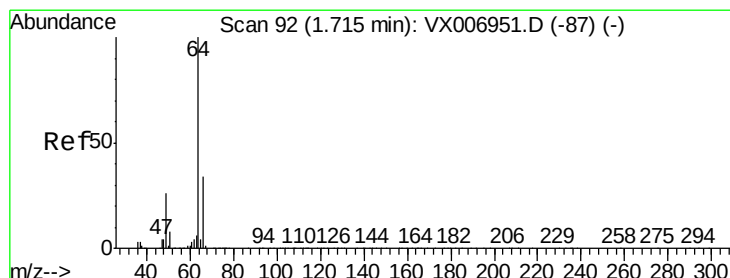
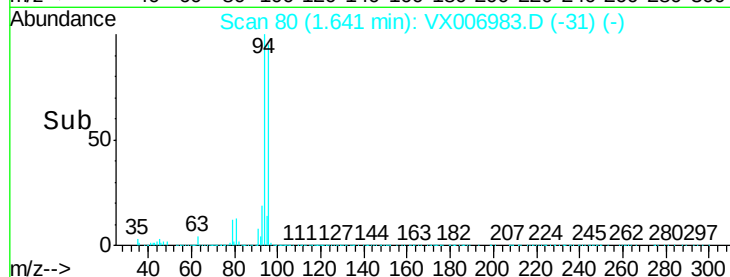
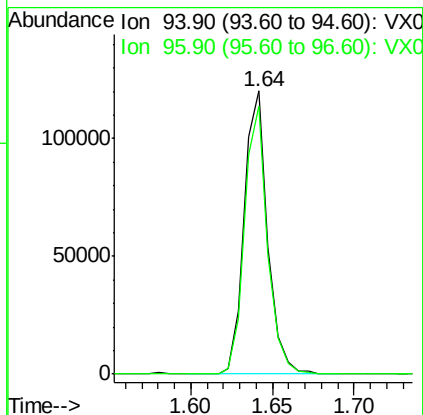
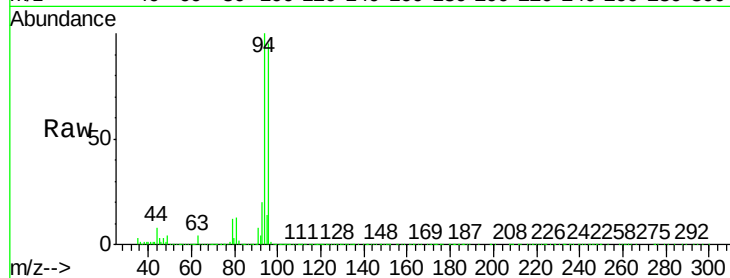
96 94.7 73.4 110.2

Manual Integrations

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1/11/2019 11:43:52 AM



#6

Chloroethane

Concen: 18.060 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006983.D

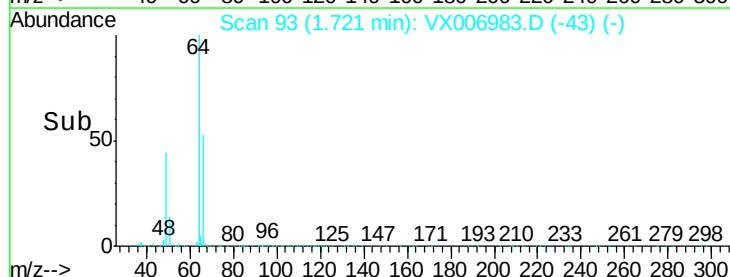
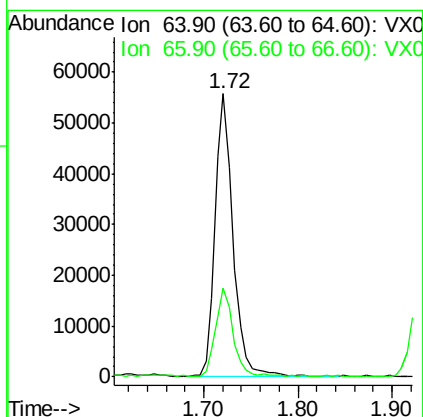
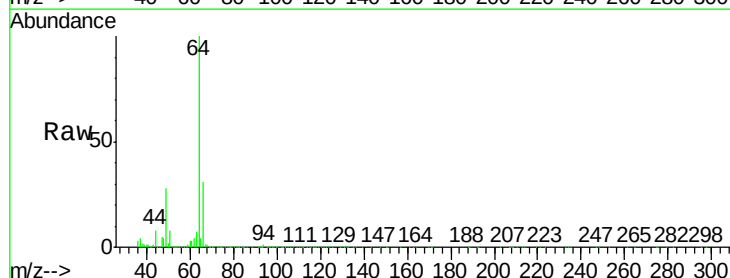
Acq: 10 Jan 2019 12:14

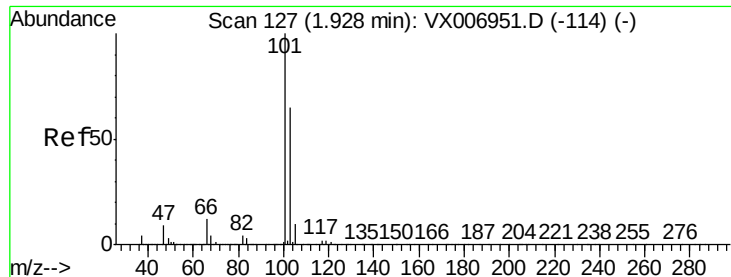
Tgt Ion: 64 Resp: 74112

Ion Ratio Lower Upper

64 100

66 31.1 26.4 39.6





#7

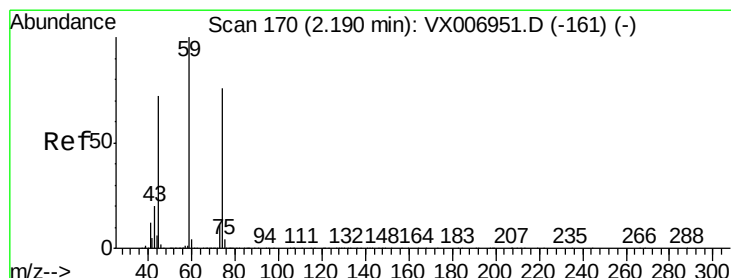
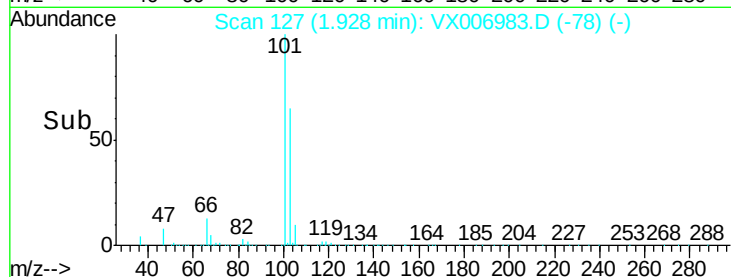
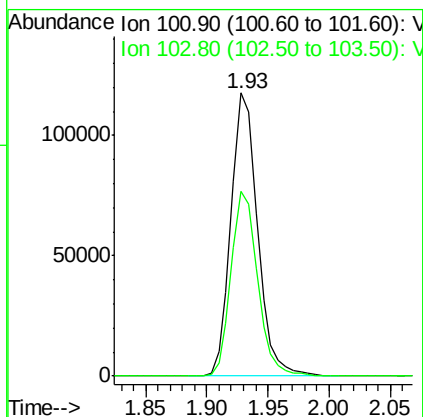
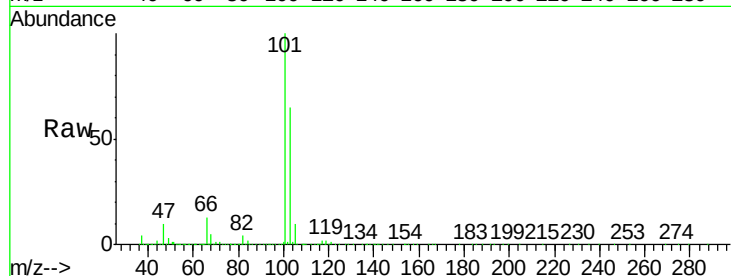
Trichlorofluoromethane
Concen: 18.644 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	53.2	79.8

Manual Integrations
APPROVED

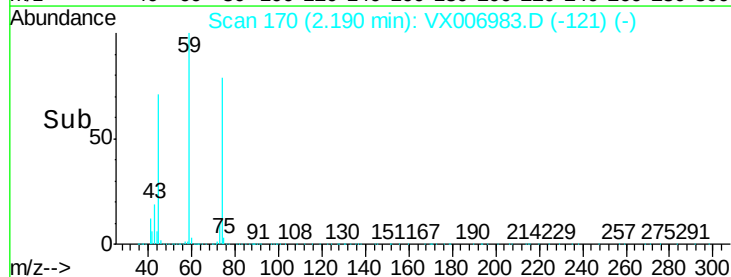
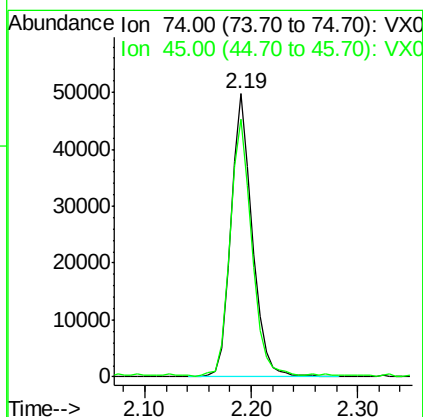
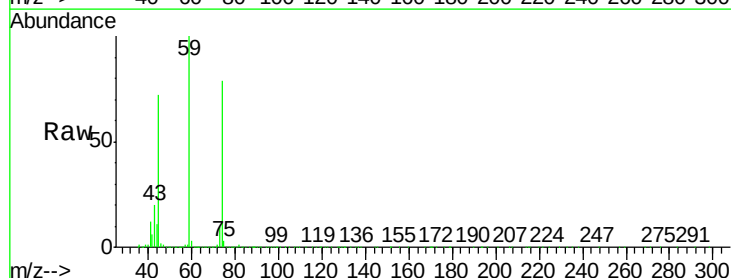
MMDadoda
1/11/2019 11:43:52 AM

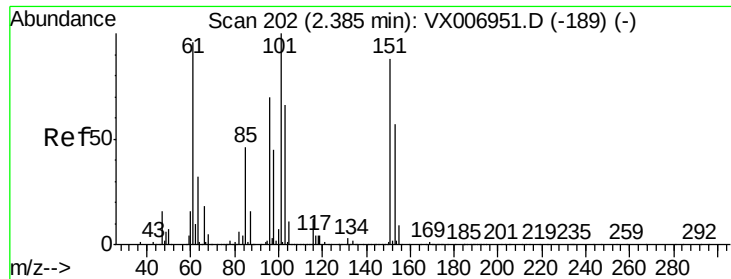


#8

Diethyl Ether
Concen: 18.522 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.594 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

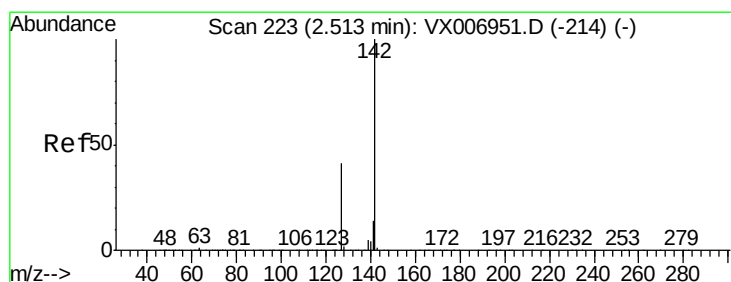
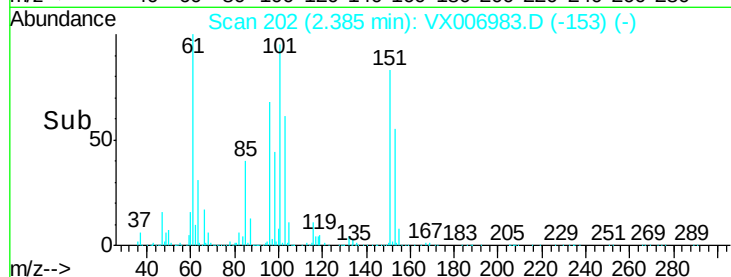
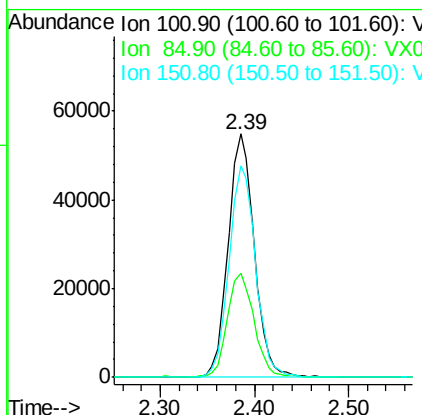
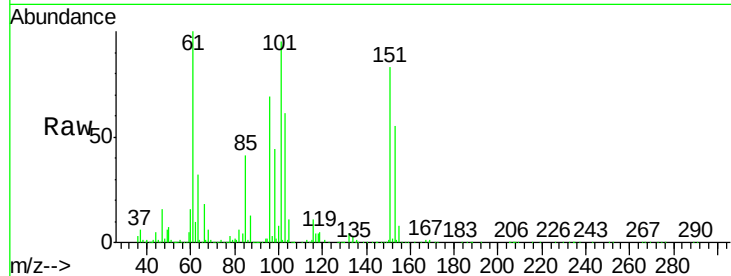
ClientSampleId :

VX0110WBS01

Tot Ion:	101	Resp:	105711
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	88.6	68.9	103.3

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#10

Methyl Iodide

Concen: 19.163 ug/l

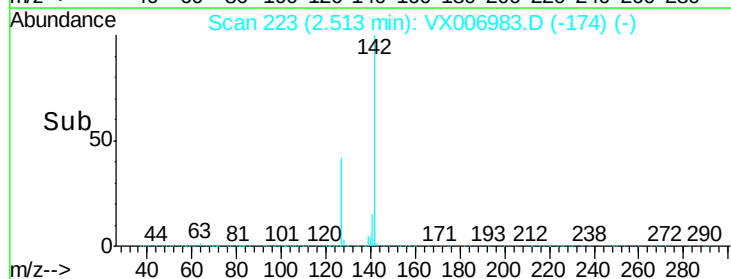
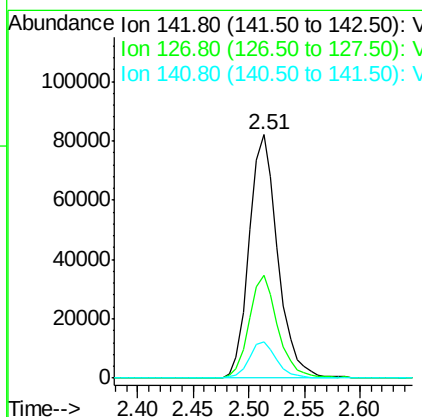
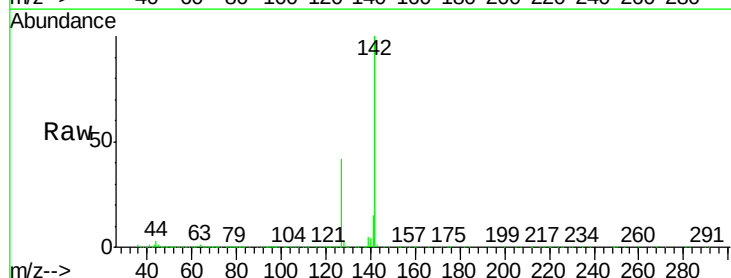
RT: 2.51 min Scan# 223

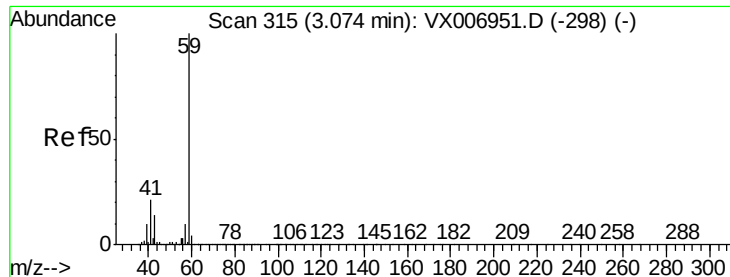
Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	142	Resp:	146957
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.9	50.9
141	14.5	11.4	17.0





#11

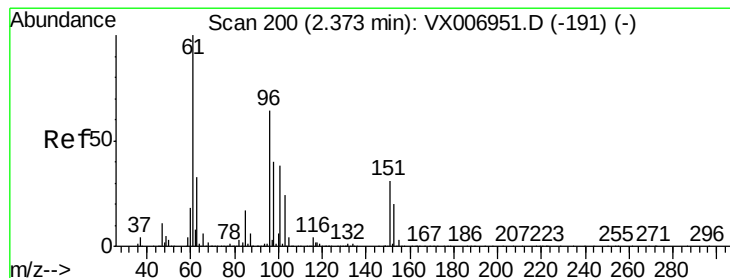
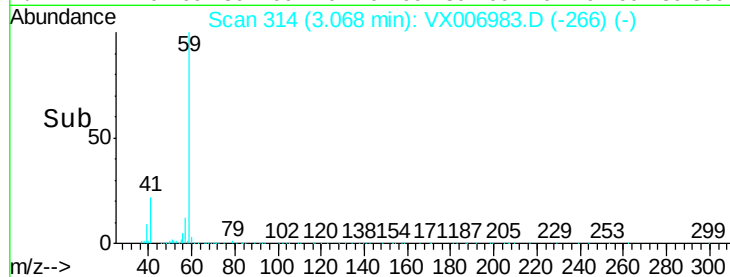
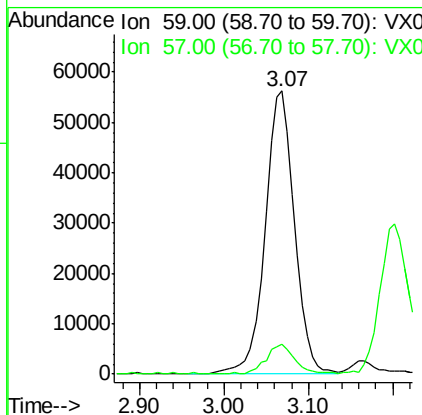
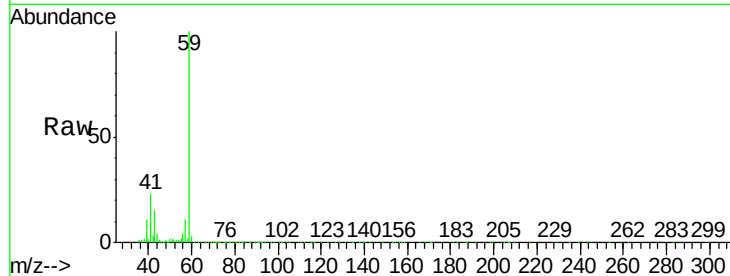
Tert butyl alcohol
 Concen: 95.952 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX006983.D
 Acq: 10 Jan 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

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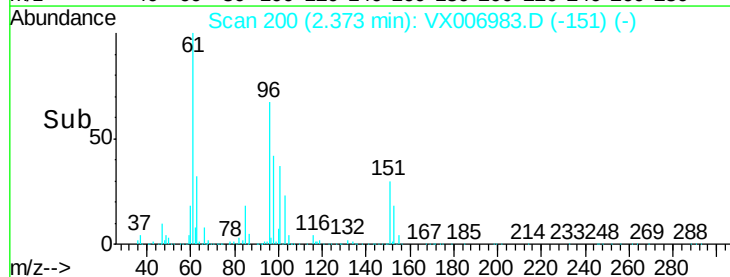
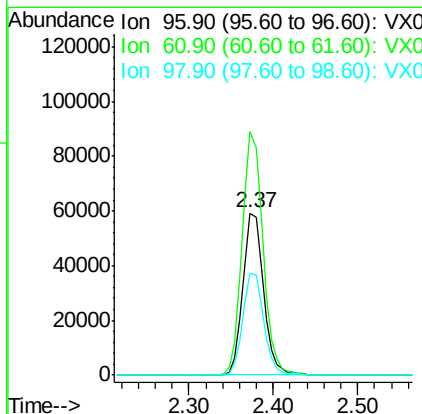
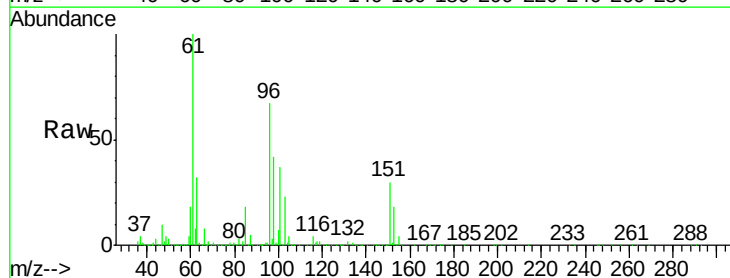
MMDadoda
 1/11/2019 11:43:52 AM

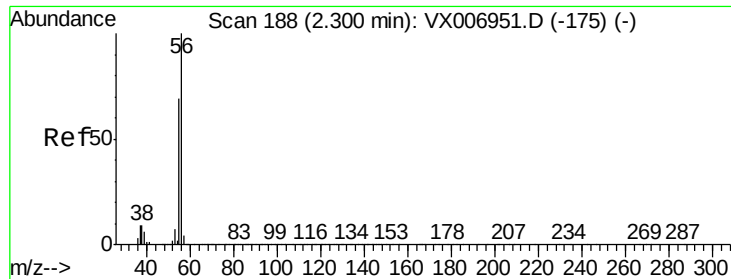


#12

1,1-Dichloroethene
 Concen: 18.518 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006983.D
 Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.8	121.4	182.2
98	62.4	51.9	77.9





#13

Acrolein

Concen: 77.674 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 56 Resp: 45891

Ion Ratio Lower Upper

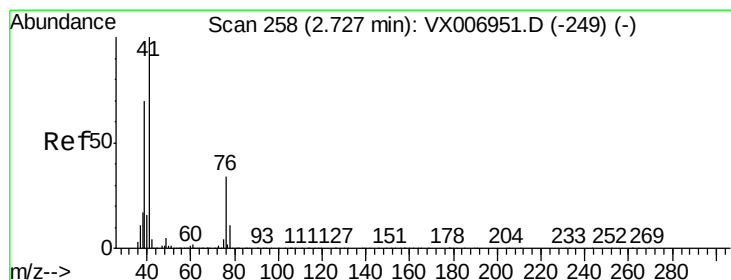
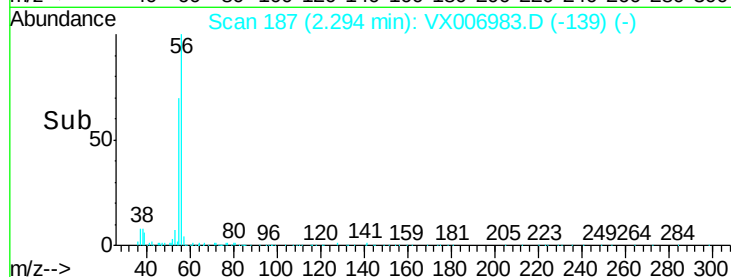
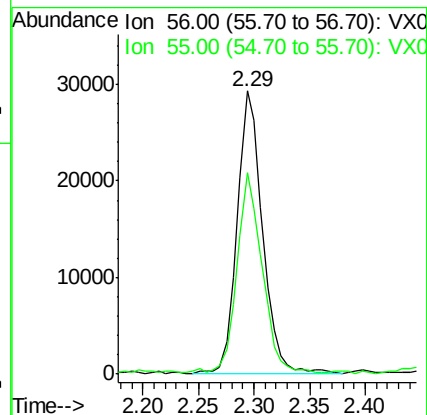
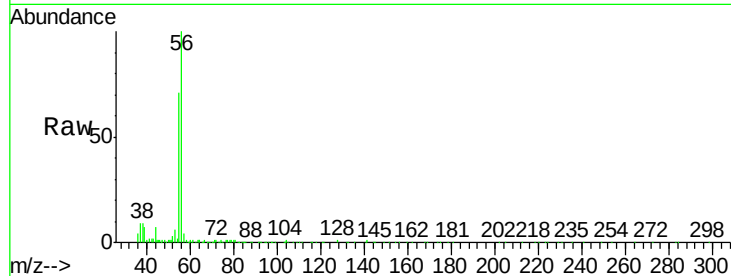
56 100

55 69.1 58.2 87.4

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#14

Allyl chloride

Concen: 17.982 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

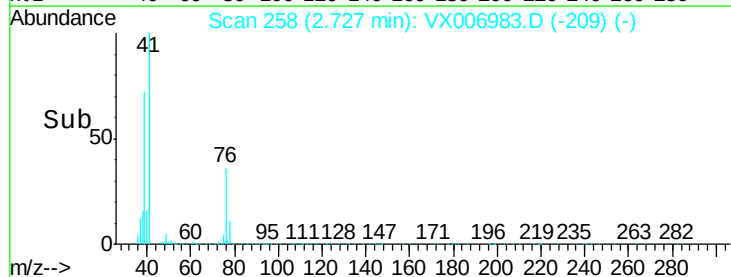
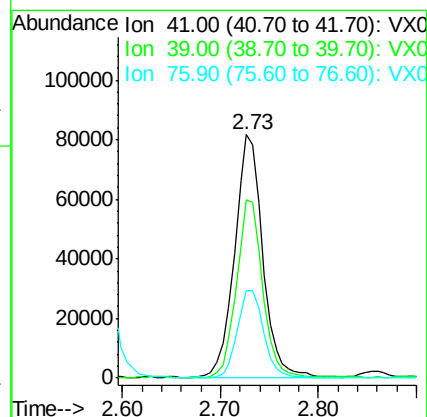
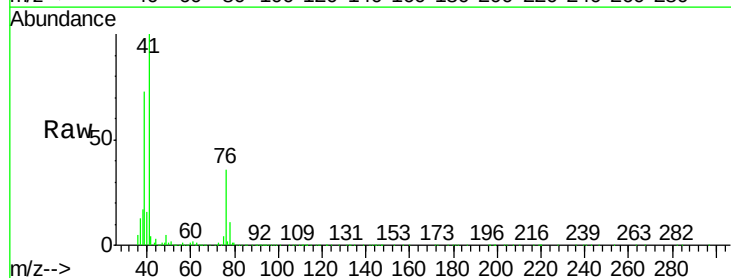
Tgt Ion: 41 Resp: 161877

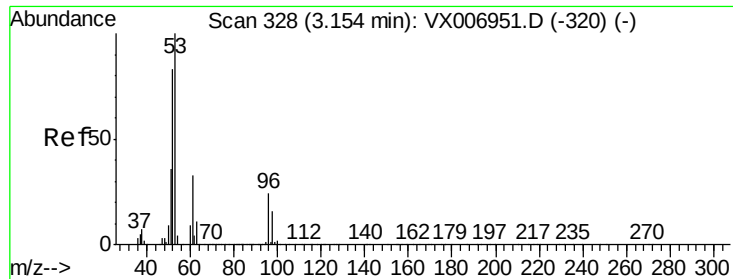
Ion Ratio Lower Upper

41 100

39 68.0 53.6 80.4

76 33.9 27.4 41.2





#15

Acrylonitrile

Concen: 93.252 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

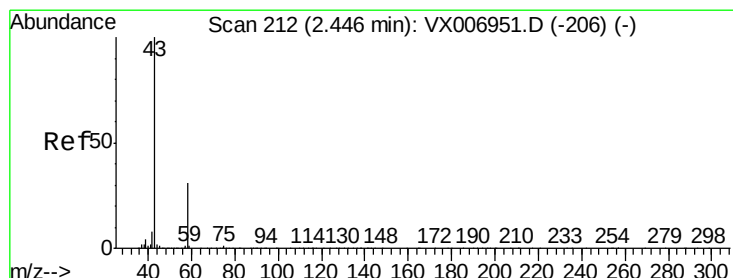
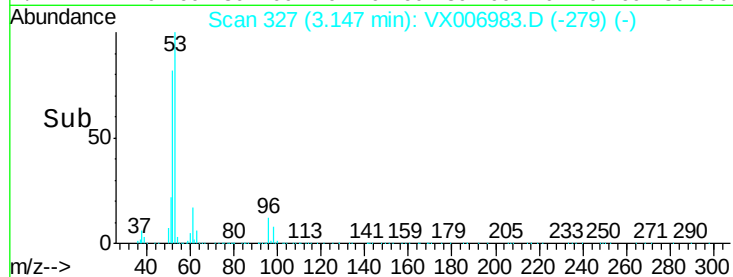
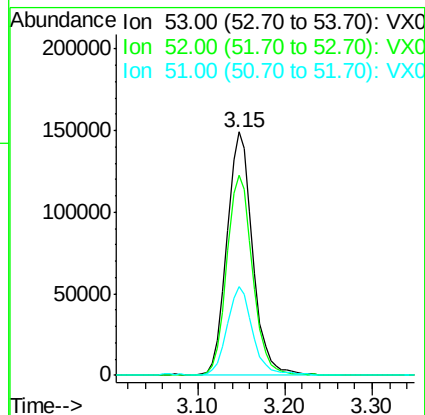
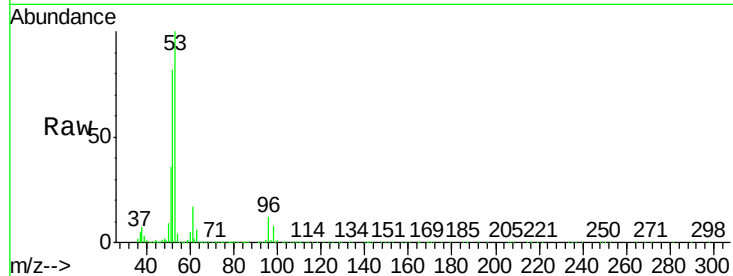
ClientSampleId :

VX0110WBS01

Tot Ion:	53	Resp:	301614
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.0	99.0
51	36.6	28.6	42.8

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#16

Acetone

Concen: 93.294 ug/l

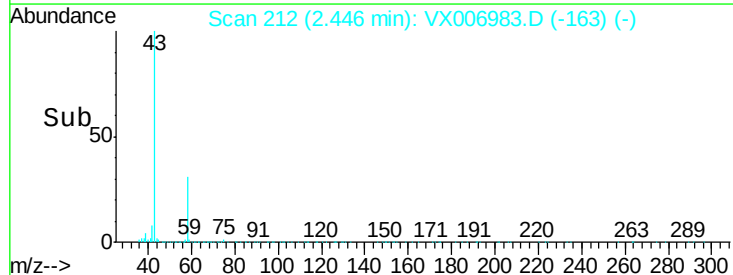
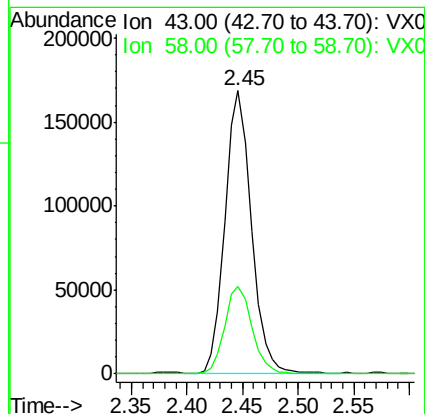
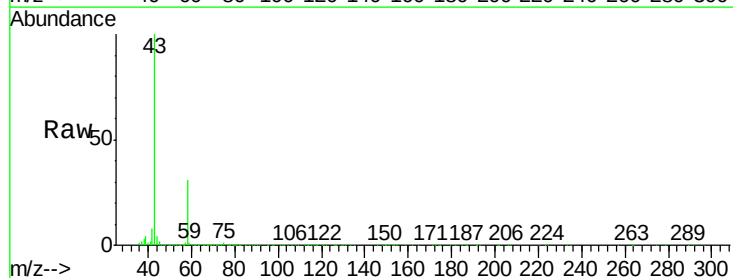
RT: 2.45 min Scan# 212

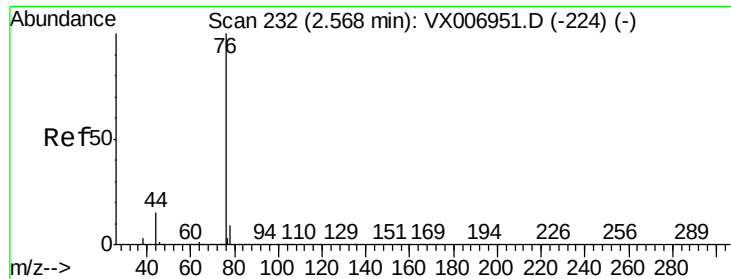
Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	43	Resp:	275473
Ion Ratio		Lower	Upper
43	100		
58	30.7	25.0	37.6





#17

Carbon Disulfide

Concen: 16.834 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 76 Resp: 227655

Ion Ratio Lower Upper

76 100

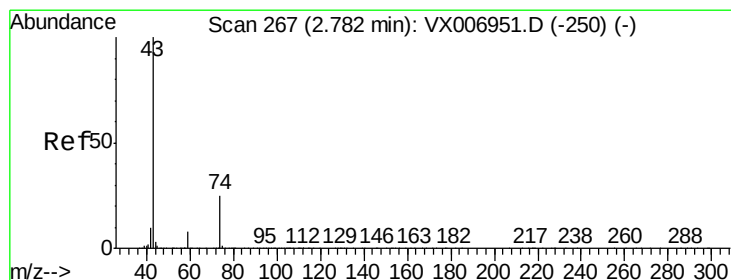
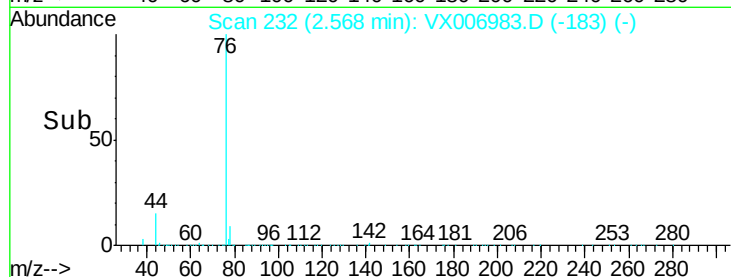
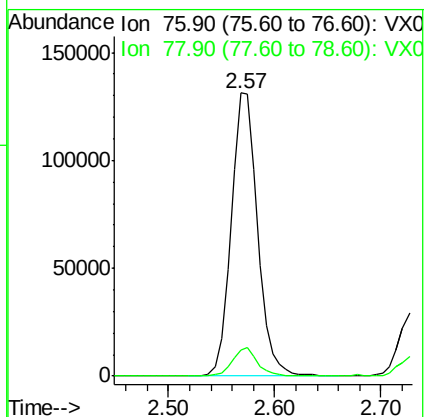
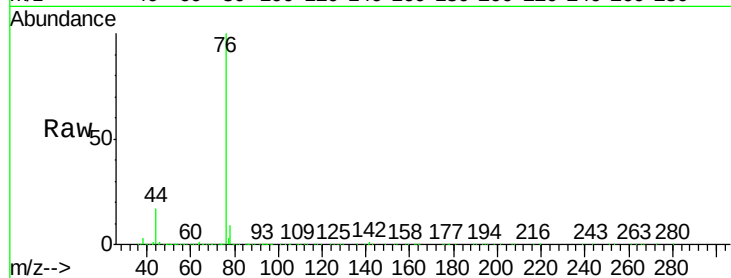
78 9.2 7.0 10.6

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#18

Methyl Acetate

Concen: 18.204 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006983.D

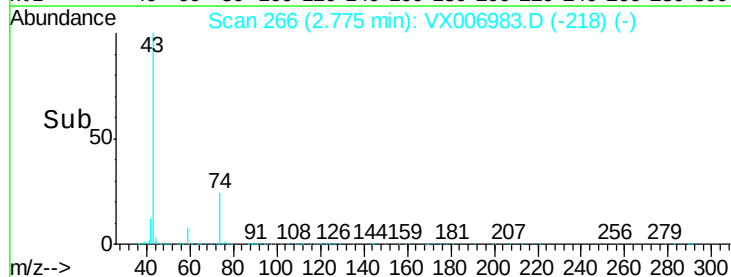
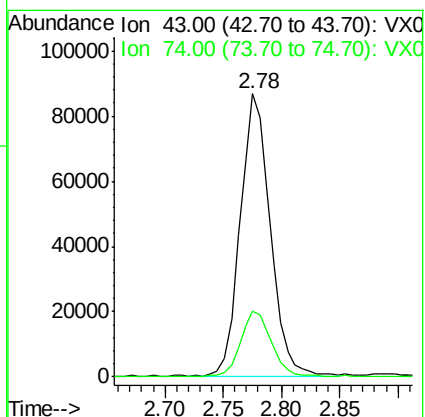
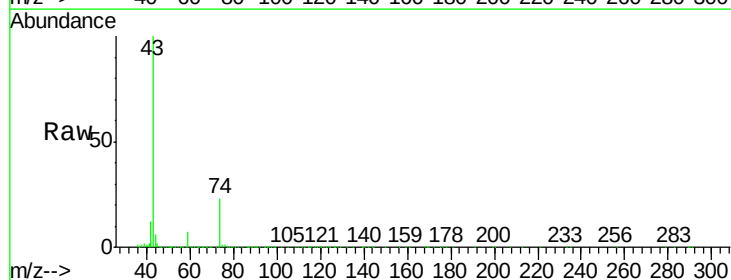
Acq: 10 Jan 2019 12:14

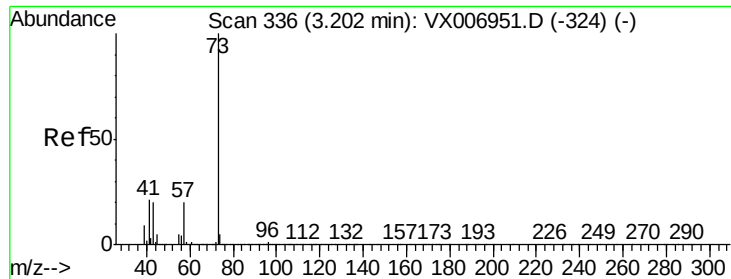
Tgt Ion: 43 Resp: 155666

Ion Ratio Lower Upper

43 100

74 24.2 18.6 28.0





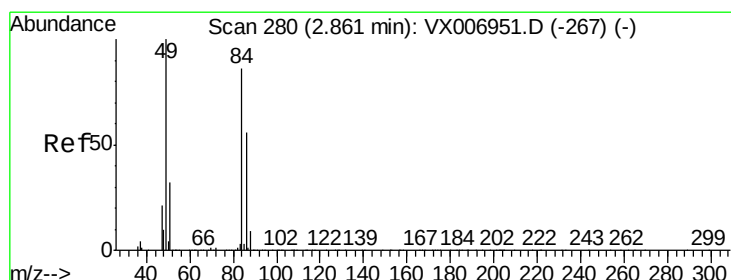
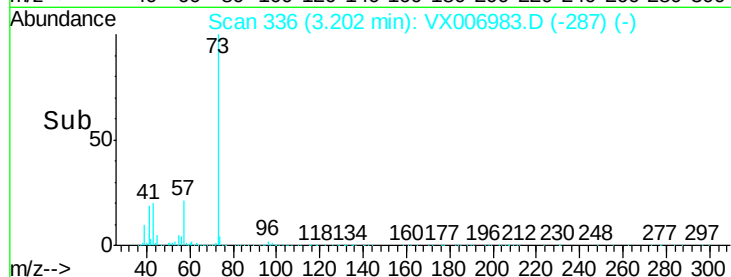
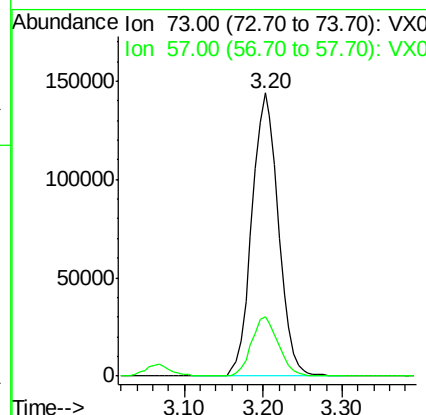
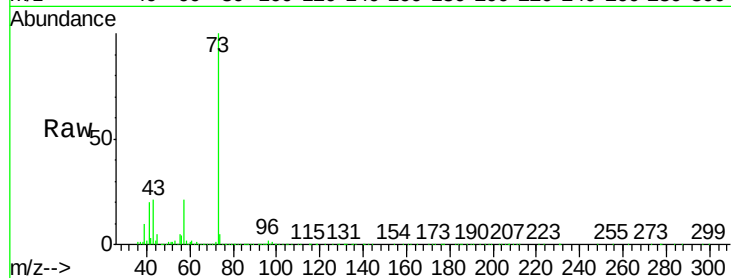
#19
Methyl tert-butyl Ether
Concen: 18.456 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	16.8	25.2

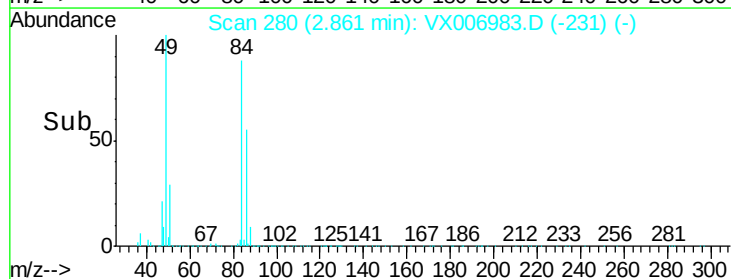
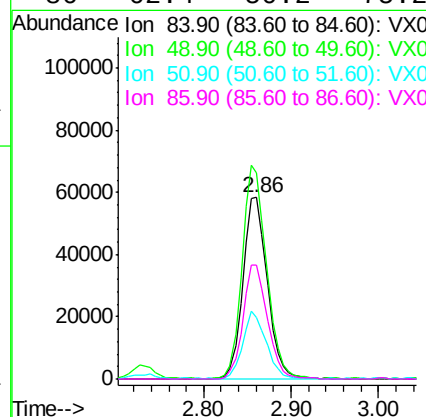
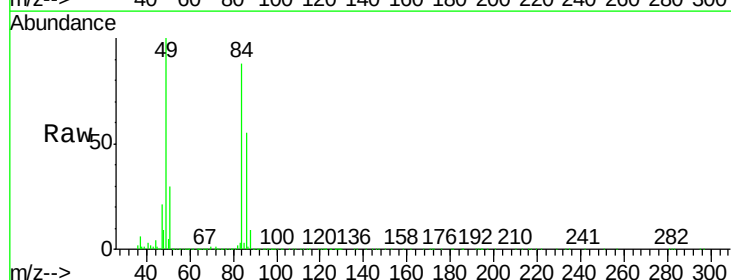
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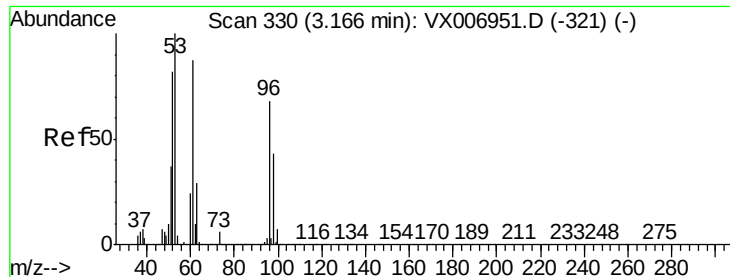
MMDadoda
1/11/2019 11:43:52 AM



#20
Methylene Chloride
Concen: 19.971 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.3	91.8	137.6
51	33.5	28.5	42.7
86	62.4	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.024 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

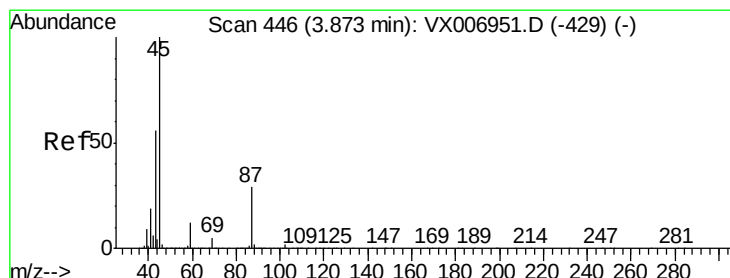
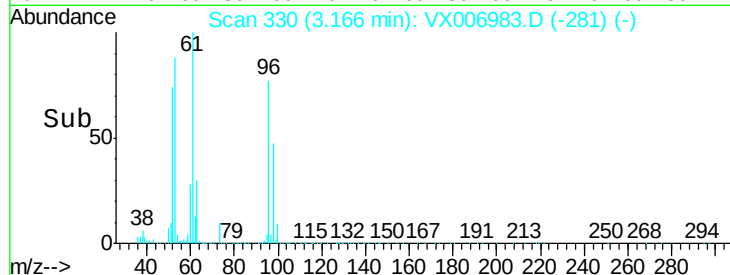
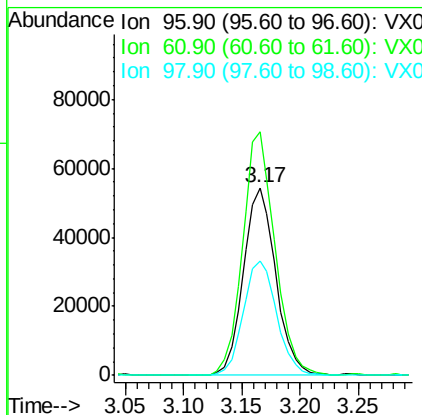
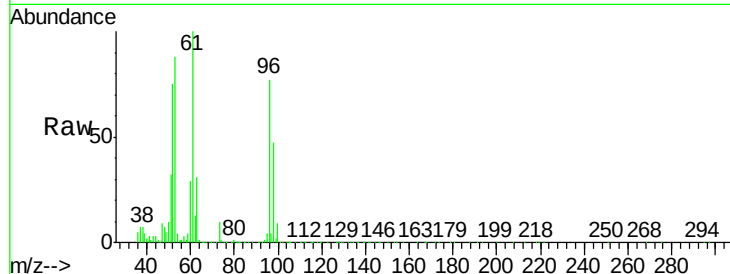
ClientSampleId :

VX0110WBS01

Tot Ion:	96	Resp:	105503
Ion	Ratio	Lower	Upper
96	100		
61	129.5	103.7	155.5
98	60.6	51.0	76.6

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#22

Diisopropyl ether

Concen: 18.570 ug/l

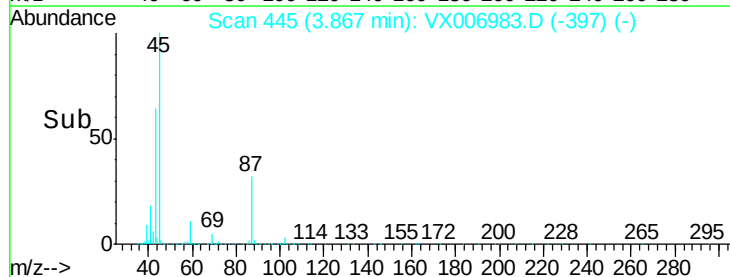
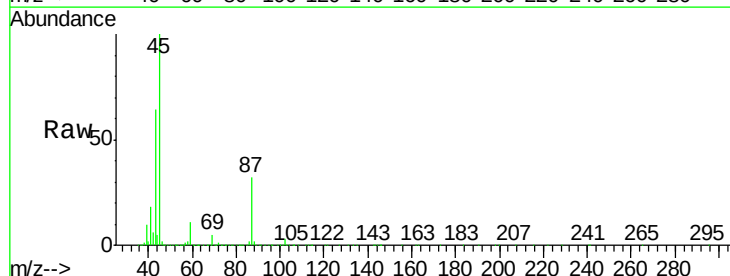
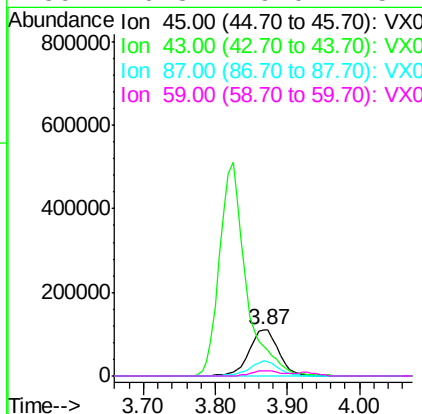
RT: 3.87 min Scan# 445

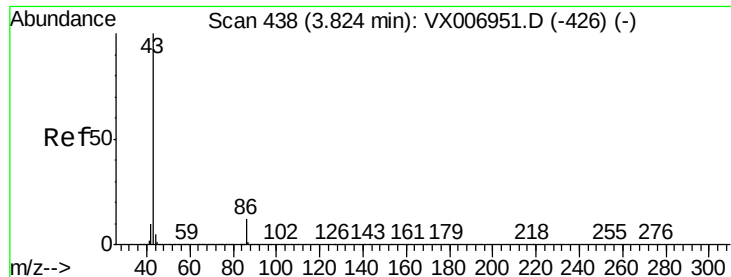
Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	45	Resp:	314273
Ion	Ratio	Lower	Upper
45	100		
43	63.7	51.2	76.8
87	32.4	25.8	38.6
59	10.8	9.0	13.4





#23

Vinyl Acetate

Concen: 91.919 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 43 Resp: 1311870

Ion Ratio Lower Upper

43 100

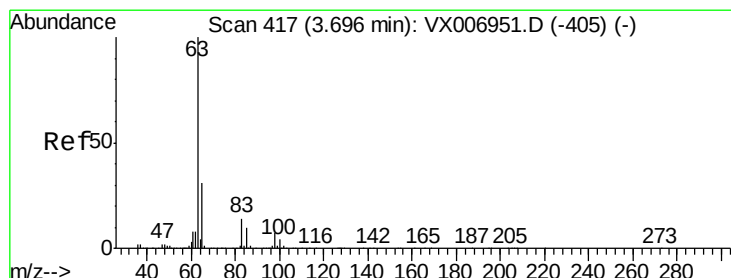
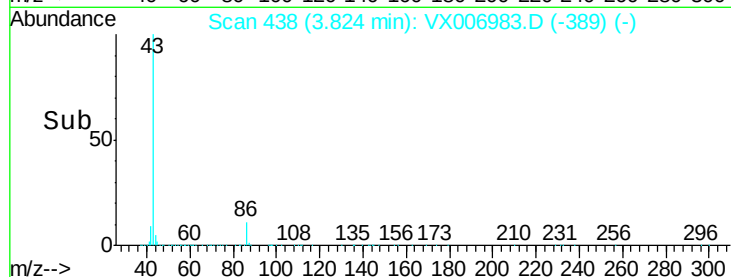
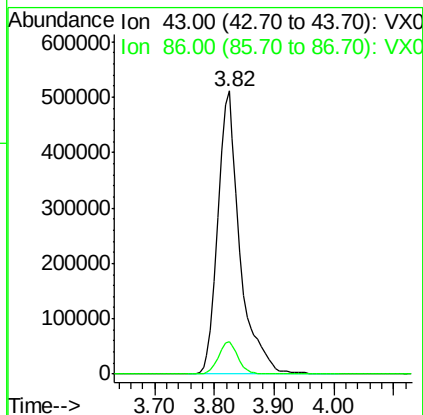
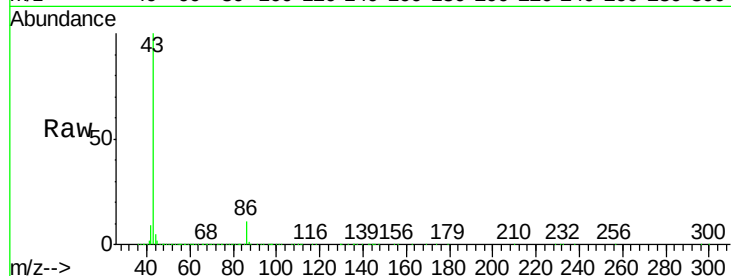
86 11.4 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.479 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

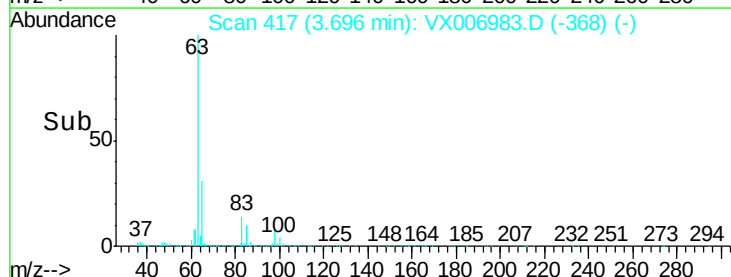
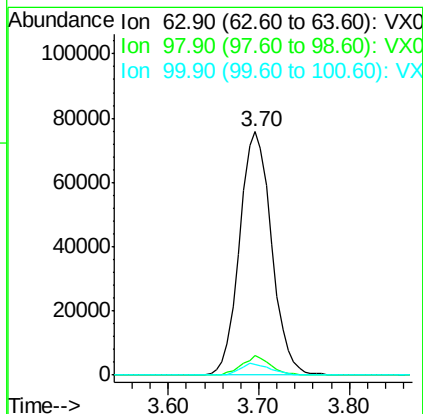
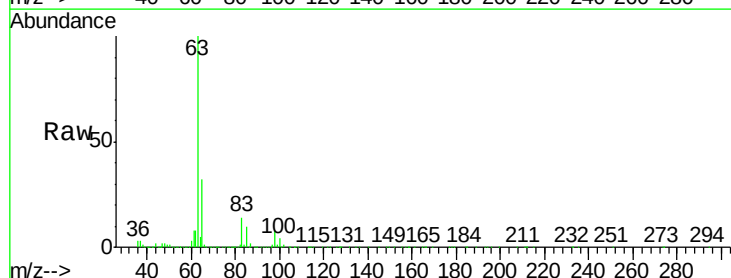
Tgt Ion: 63 Resp: 184331

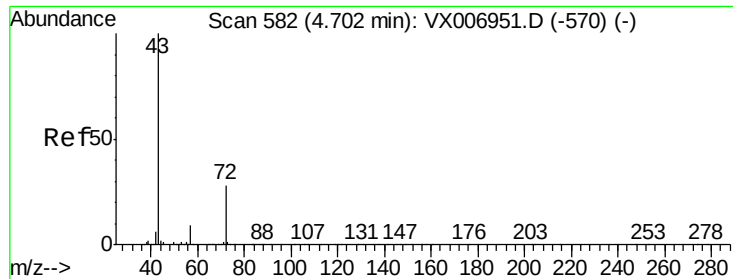
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 95.438 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 43 Resp: 403223

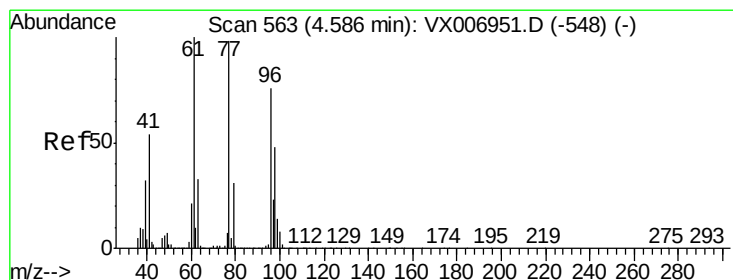
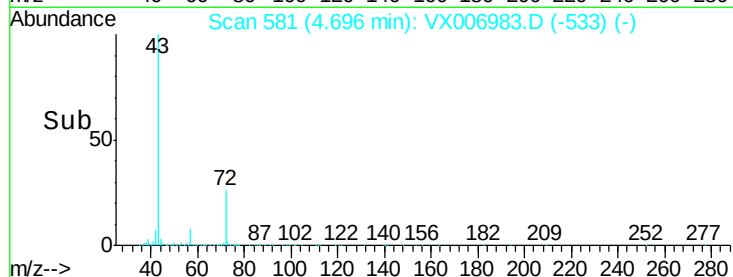
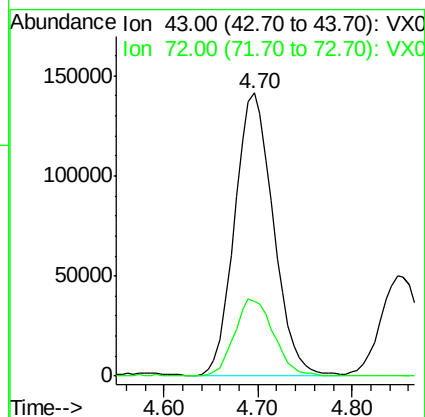
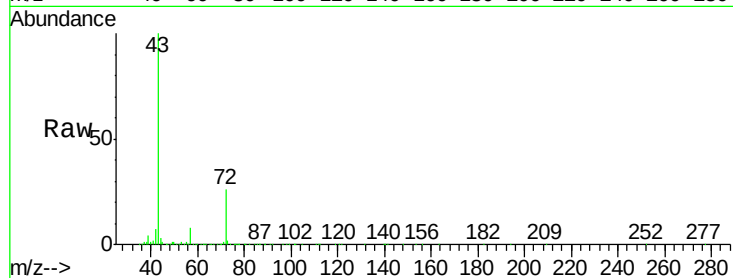
Ion Ratio Lower Upper

43 100

72 26.3 22.4 33.6

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1/11/2019 11:43:52 AM



#26

2,2-Dichloropropane

Concen: 18.014 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006983.D

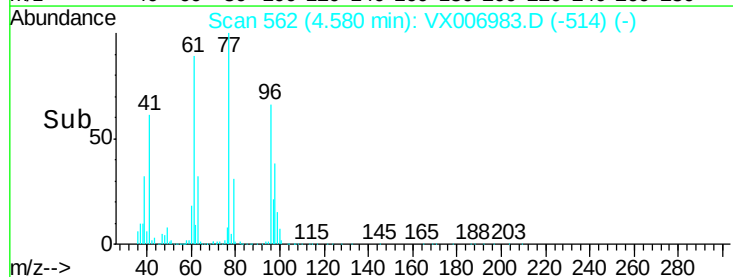
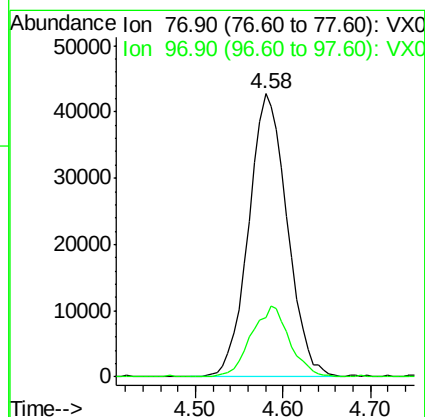
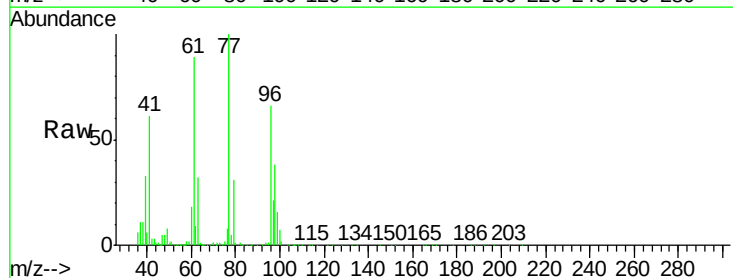
Acq: 10 Jan 2019 12:14

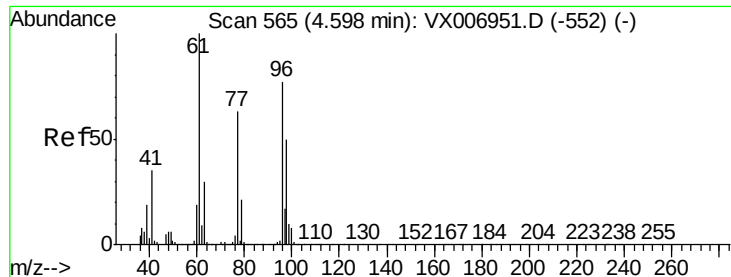
Tgt Ion: 77 Resp: 131086

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.4





#27

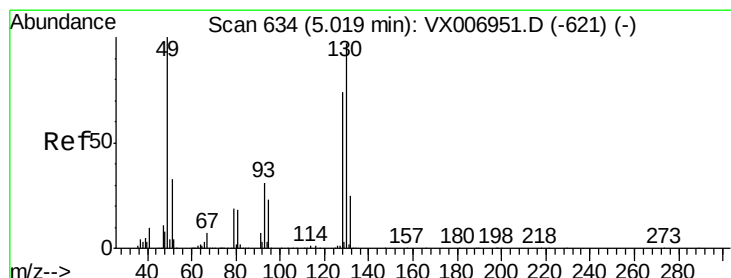
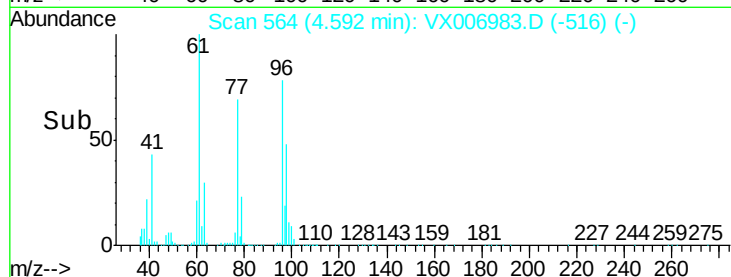
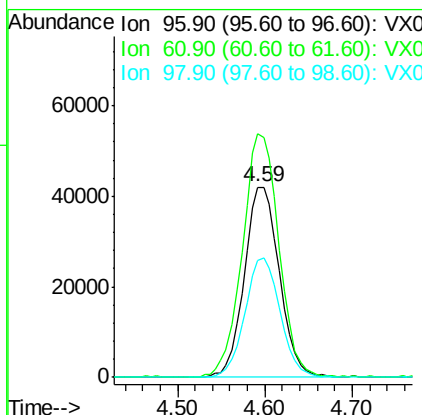
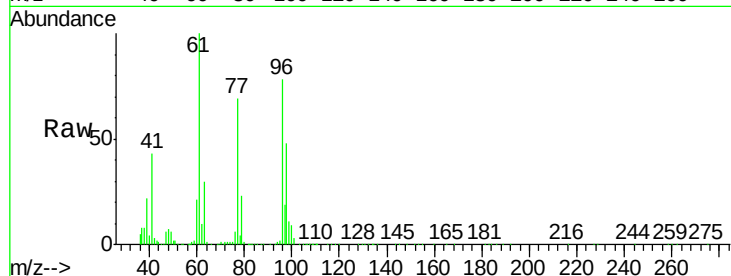
cis-1,2-Dichloroethene
Concen: 18.179 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117375		
61	132.8	0.0	258.6	
98	63.4	0.0	132.0	

Manual Integrations
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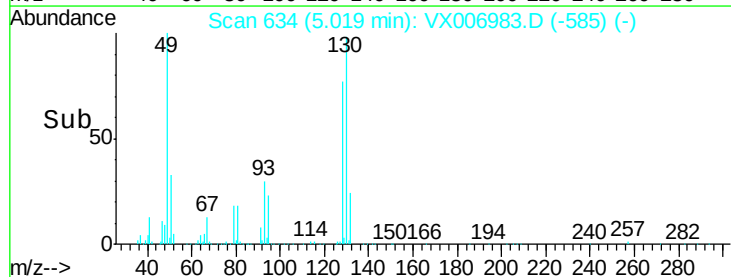
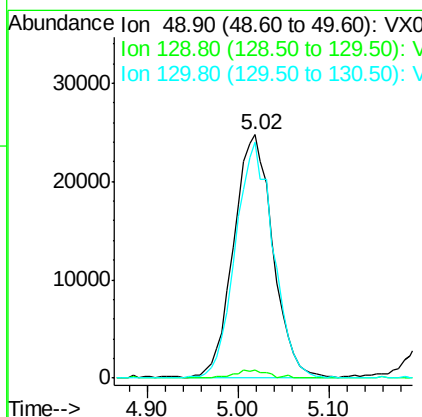
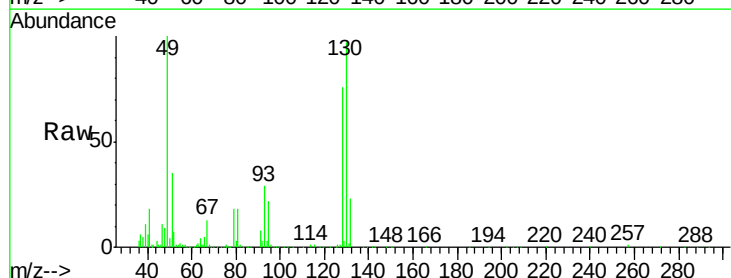
MMDadoda
1/11/2019 11:43:52 AM

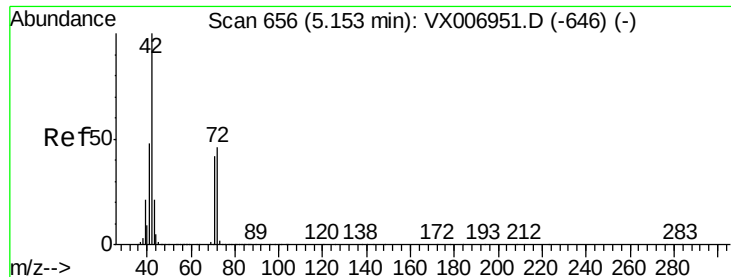


#28

Bromochloromethane
Concen: 17.982 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74555		
129	2.6	0.0	5.4	
130	93.6	77.7	116.5	





#29

Tetrahydrofuran

Concen: 93.018 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

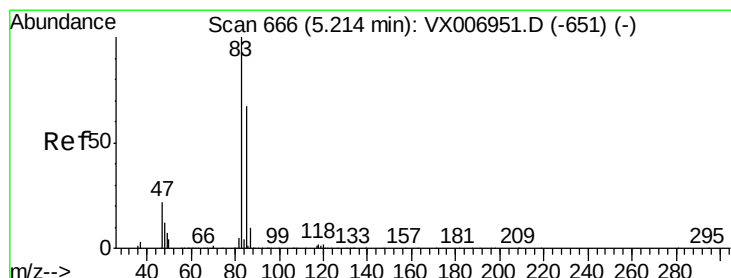
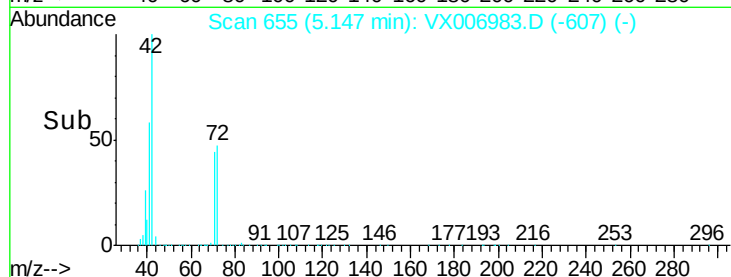
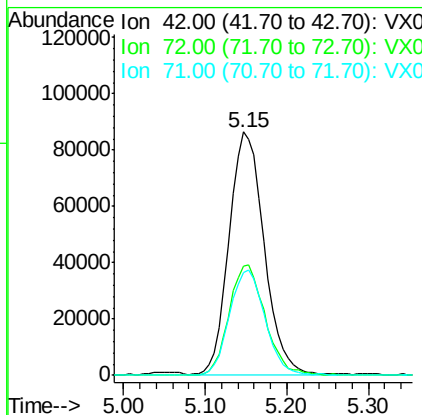
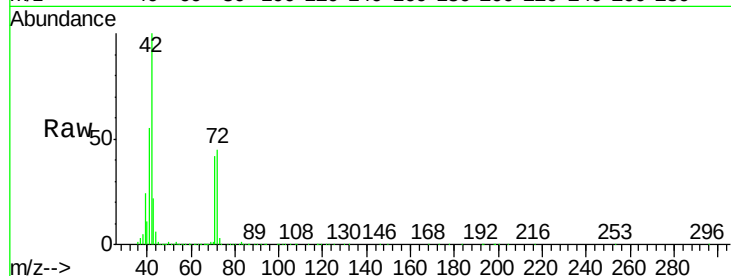
ClientSampleId :

VX0110WBS01

Tot Ion:	42	Resp:	255399
Ion Ratio		Lower	Upper
42	100		
72	46.9	38.9	58.3
71	43.8	36.2	54.4

Manual Integrations
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1/11/2019 11:43:52 AM



#30

Chloroform

Concen: 19.157 ug/l

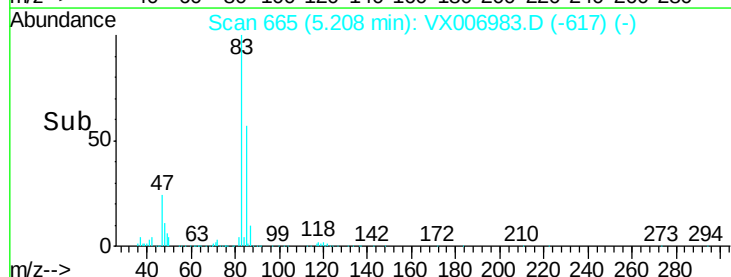
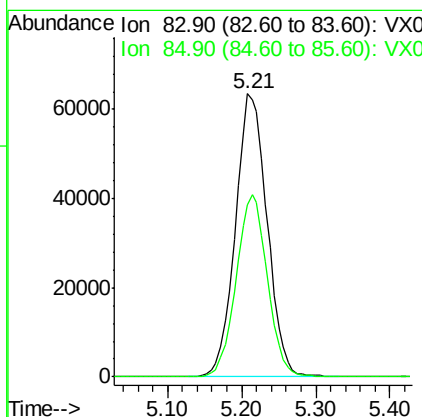
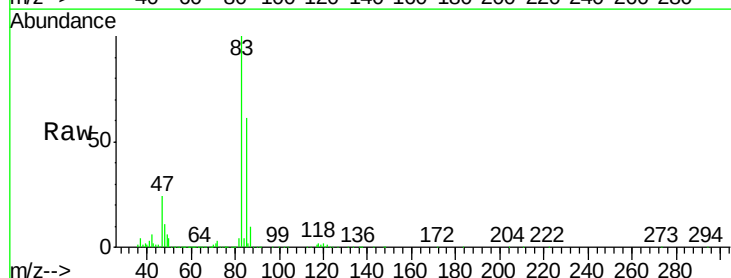
RT: 5.21 min Scan# 665

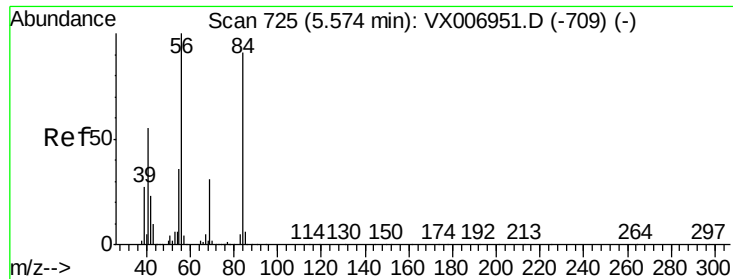
Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	83	Resp:	189801
Ion Ratio		Lower	Upper
83	100		
85	60.5	51.2	76.8





#31

Cyclohexane

Concen: 18.877 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

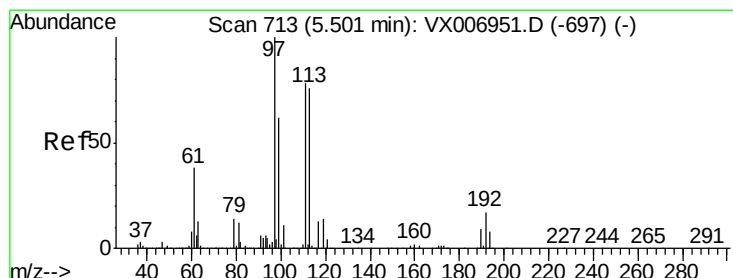
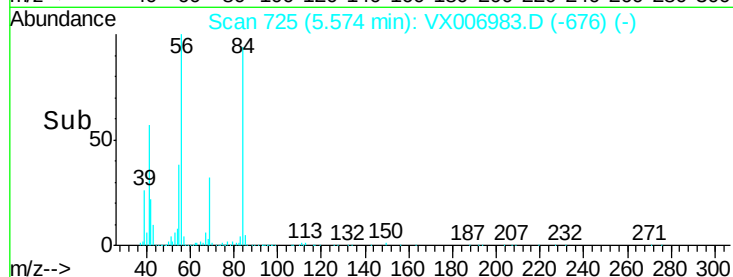
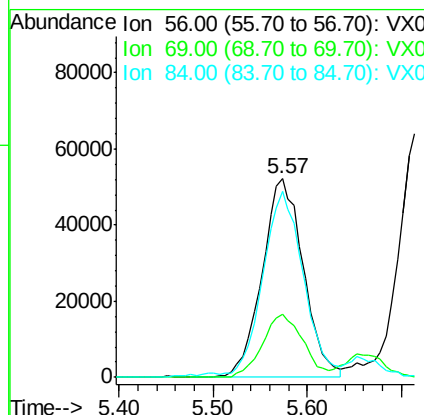
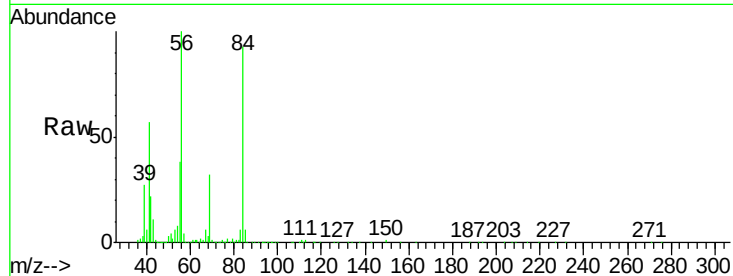
ClientSampleId :

VX0110WBS01

Tot Ion:	56	Resp:	158989
Ion Ratio	Lower	Upper	
56	100		
69	31.7	24.4	36.6
84	92.2	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.688 ug/l

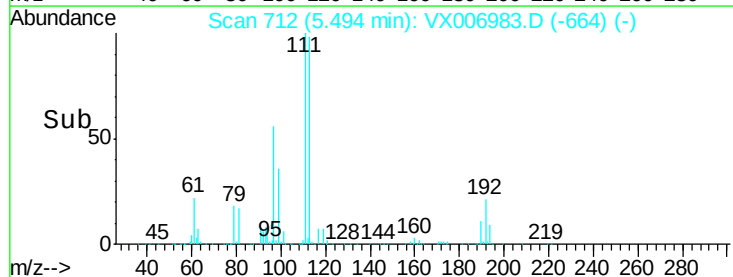
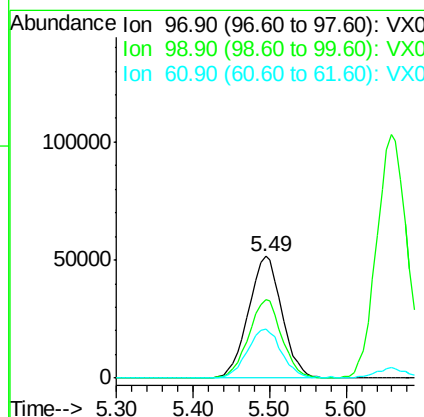
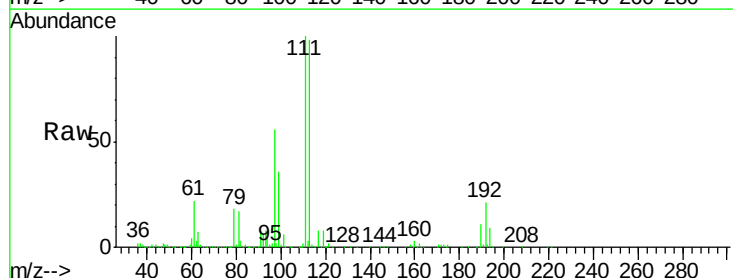
RT: 5.49 min Scan# 712

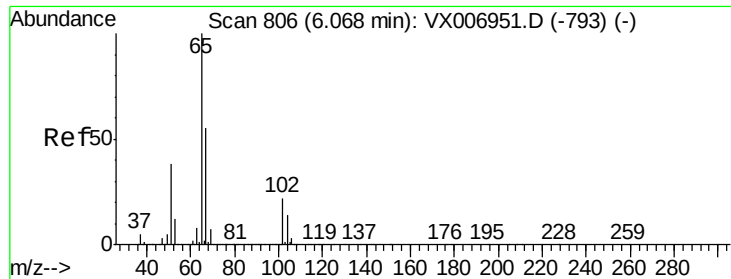
Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	97	Resp:	156945
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.7	77.5
61	41.2	31.3	46.9





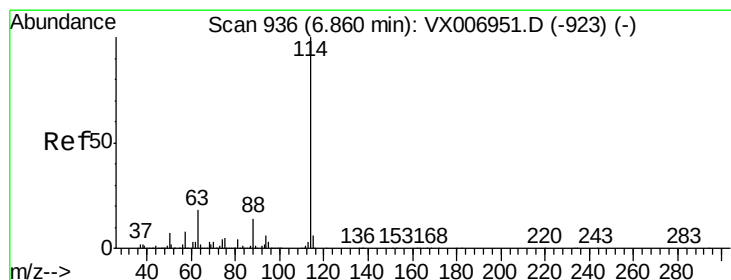
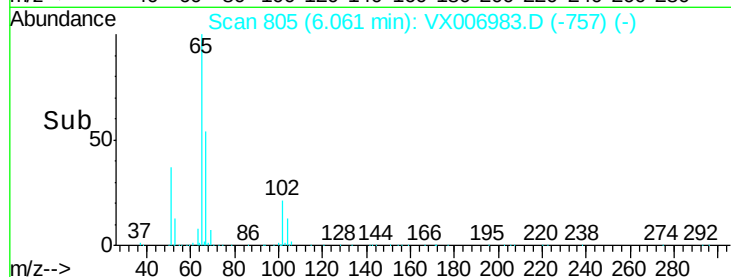
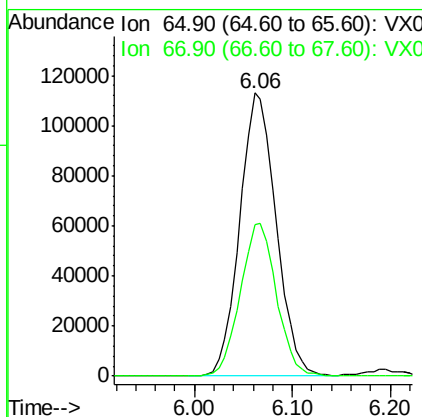
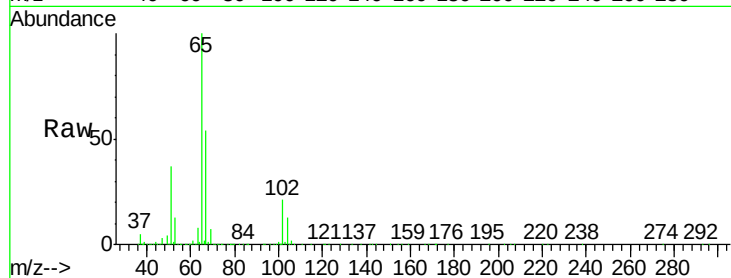
#33
 1,2-Dichloroethane-d4
 Concen: 48.828 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006983.D
 Acq: 10 Jan 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.0

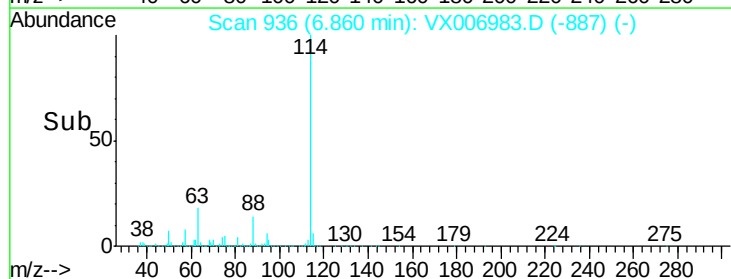
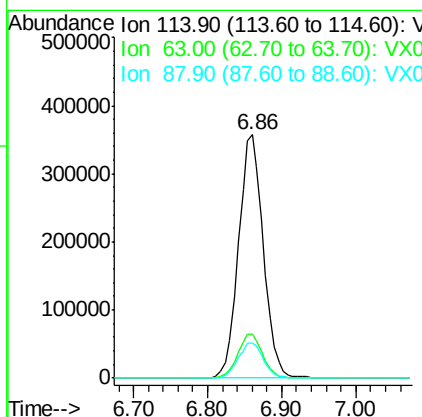
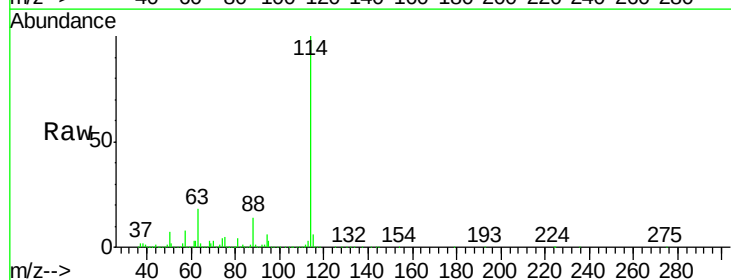
Manual Integrations
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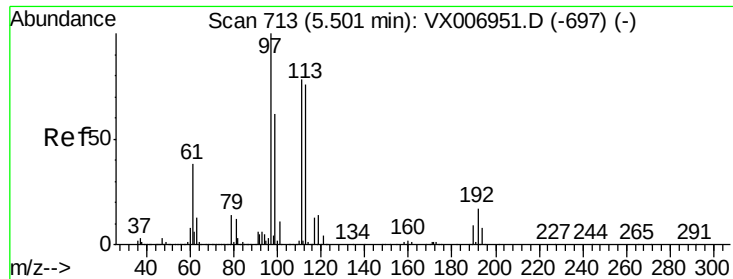
MMDadoda
 1/11/2019 11:43:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006983.D
 Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	34.8
88	14.3	0.0	28.8





#35

Dibromofluoromethane

Concen: 49.389 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

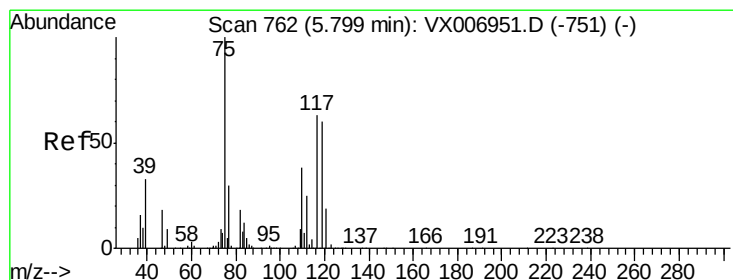
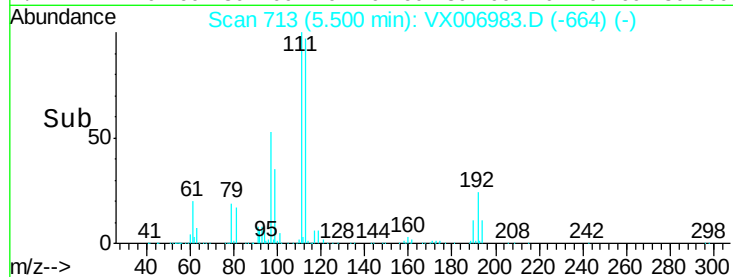
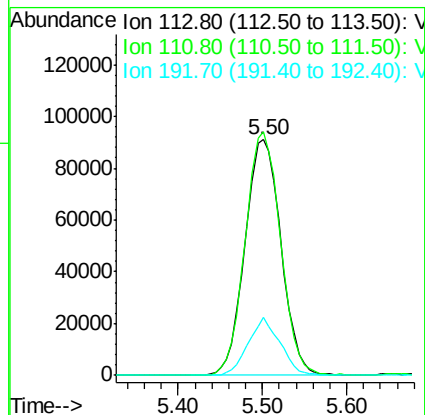
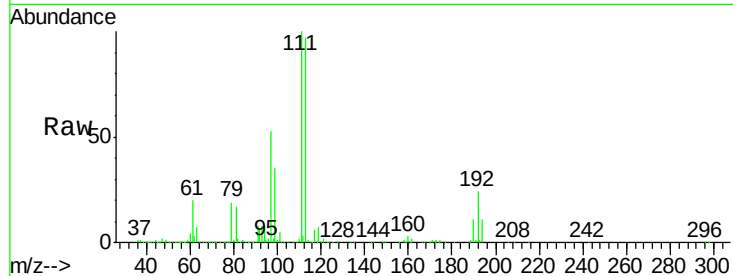
ClientSampleId :

VX0110WBS01

Tot Ion:	113	Resp:	263863
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.6	122.4
192	21.8	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.097 ug/l

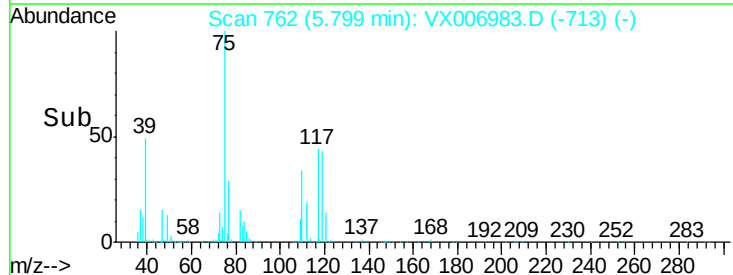
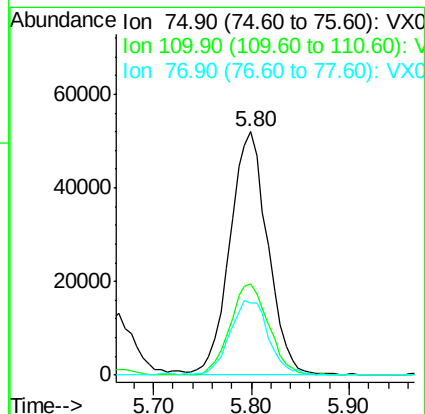
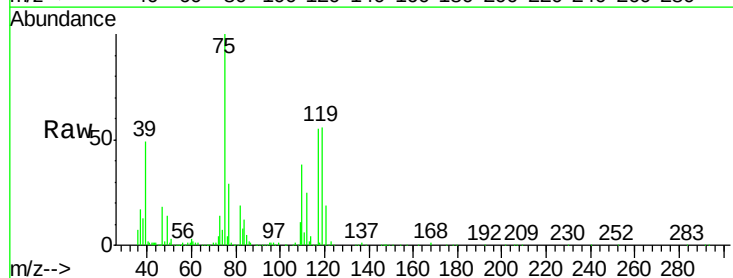
RT: 5.80 min Scan# 762

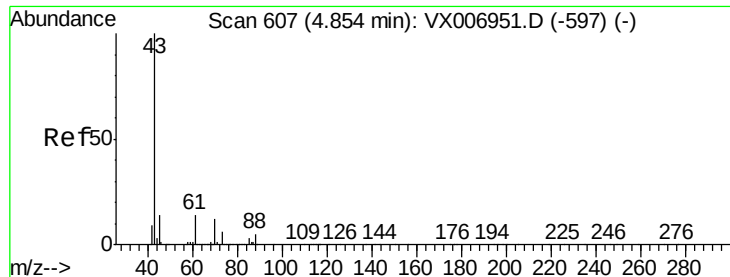
Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	75	Resp:	138514
Ion Ratio	Lower	Upper	
75	100		
110	38.6	20.2	60.5
77	31.1	24.8	37.2





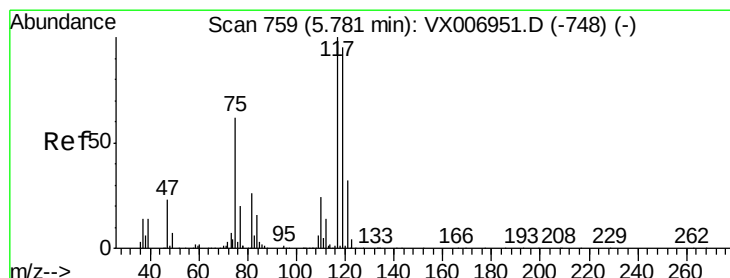
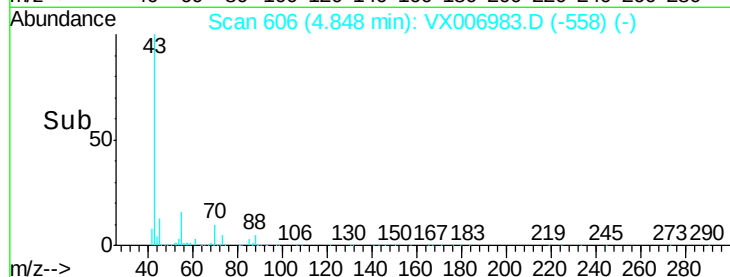
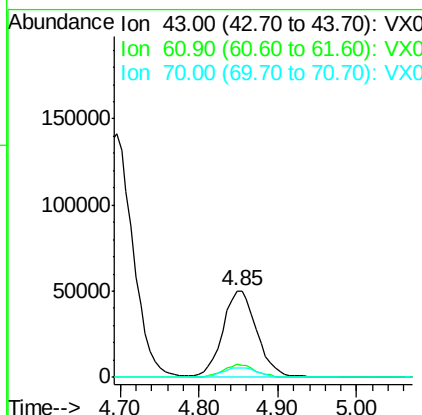
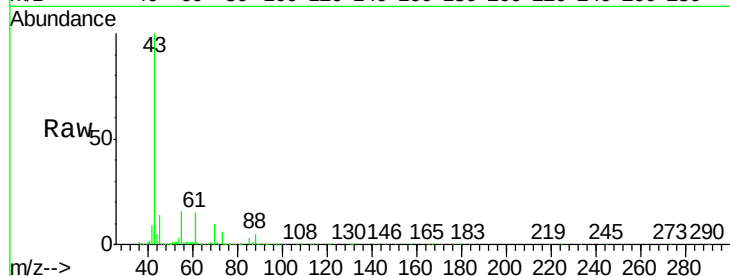
#37
Ethyl Acetate
Concen: 19.368 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.9	17.9
70	11.9	9.7	14.5

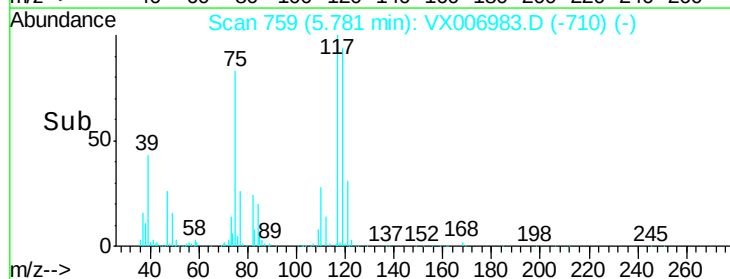
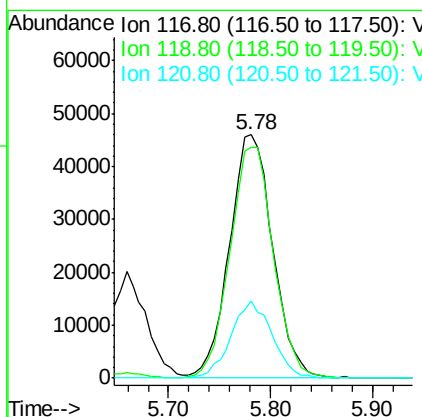
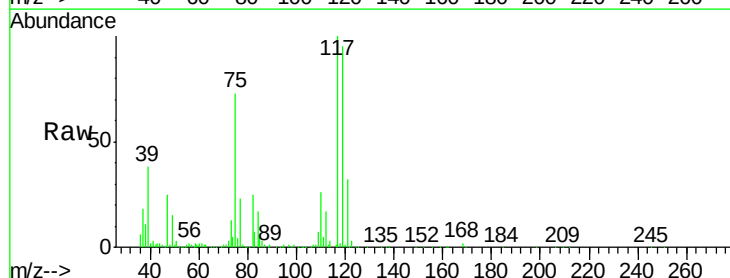
Manual Integrations
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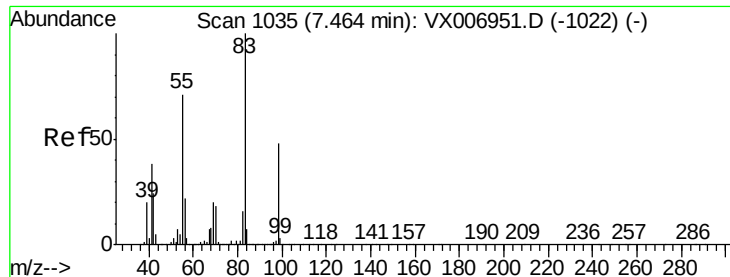
MMDadoda
1/11/2019 11:43:52 AM



#38
Carbon Tetrachloride
Concen: 18.490 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	79.4	119.2
121	31.8	24.0	36.0





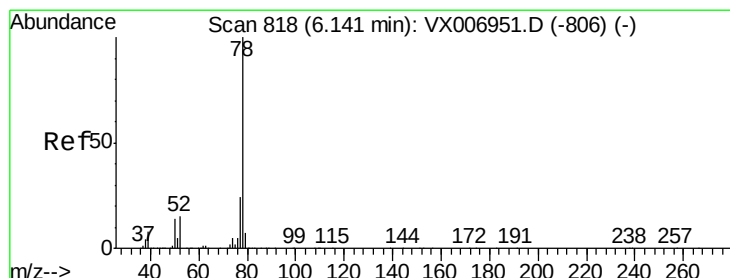
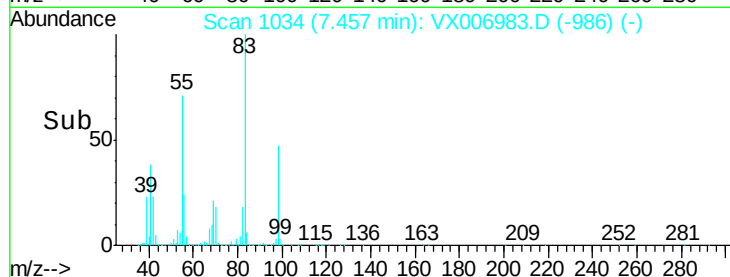
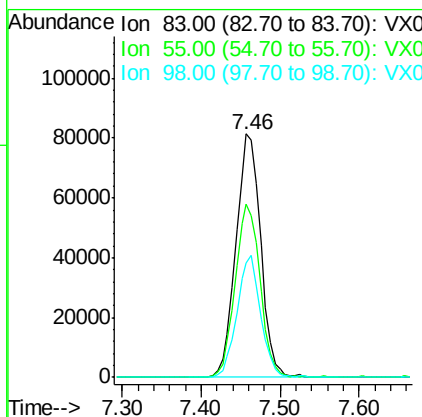
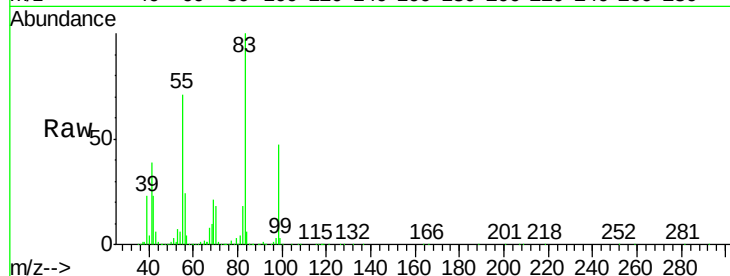
#39
Methylvlcyclohexane
Concen: 19.298 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	54.9	82.3
98	46.8	37.9	56.9

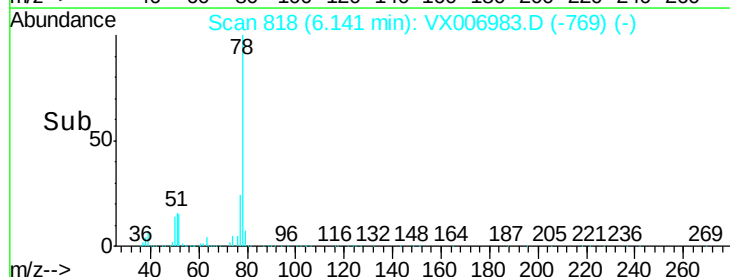
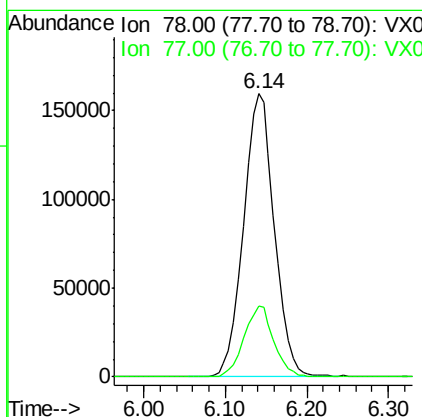
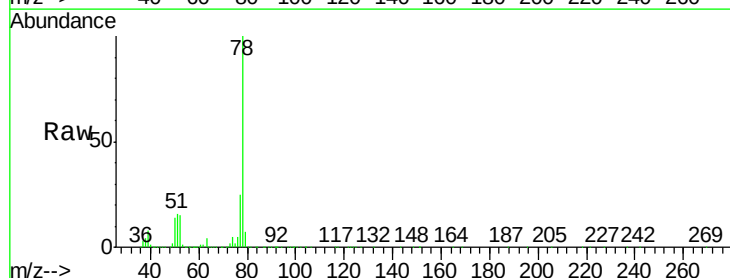
Manual Integrations
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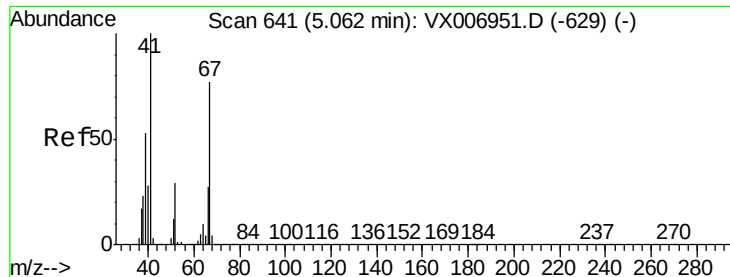
MMDadoda
1/11/2019 11:43:52 AM



#40
Benzene
Concen: 18.827 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8





#41

Methacrylonitrile

Concen: 17.934 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.8	64.2
67	77.8	62.1	93.1
52	30.6	23.4	35.0

Instrument :

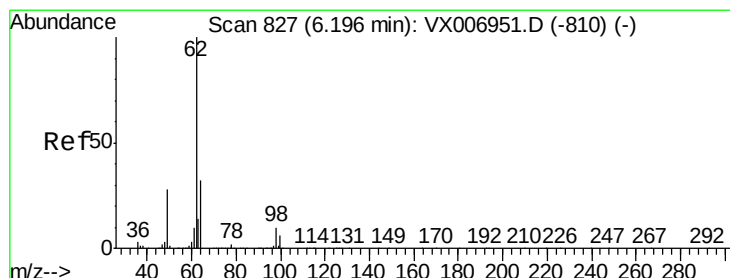
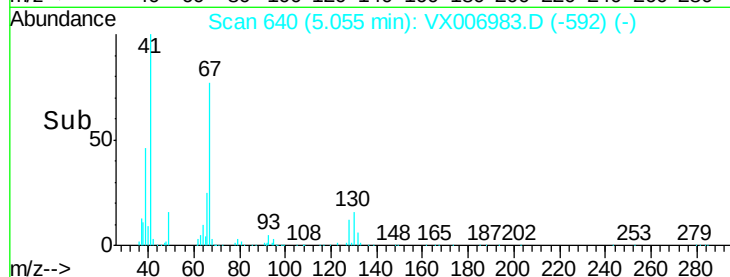
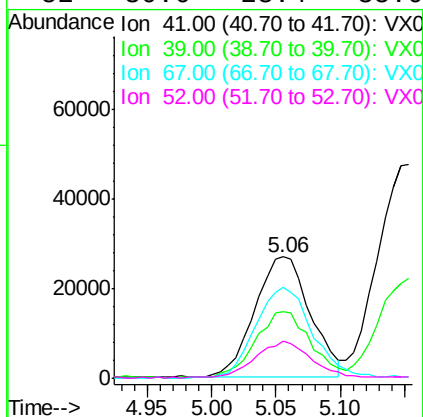
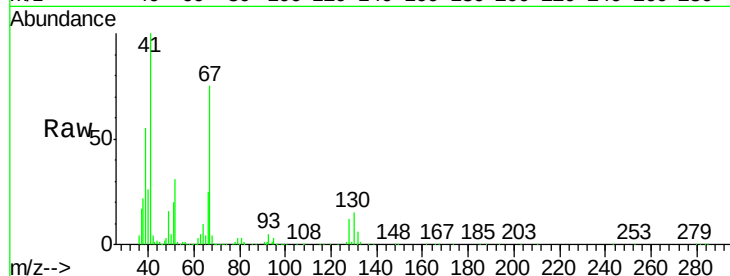
MSVOA_X

ClientSampleId :

VX0110WBS01

Manual Integrations
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1/11/2019 11:43:52 AM



#42

1,2-Dichloroethane

Concen: 18.649 ug/l

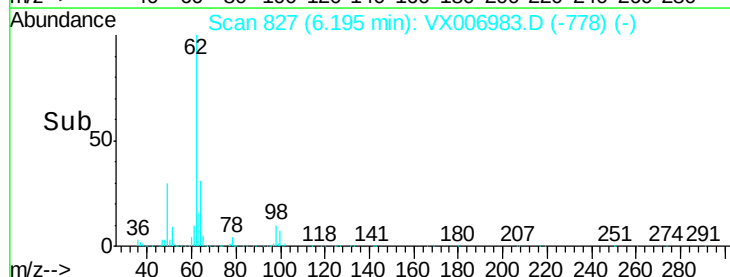
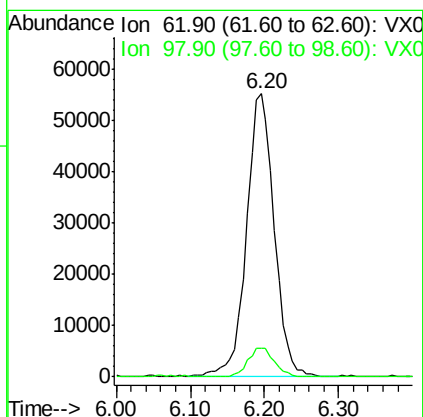
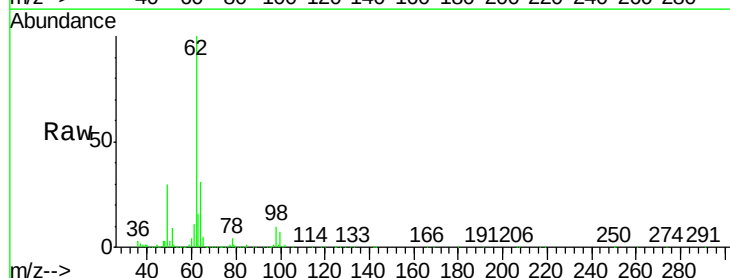
RT: 6.20 min Scan# 827

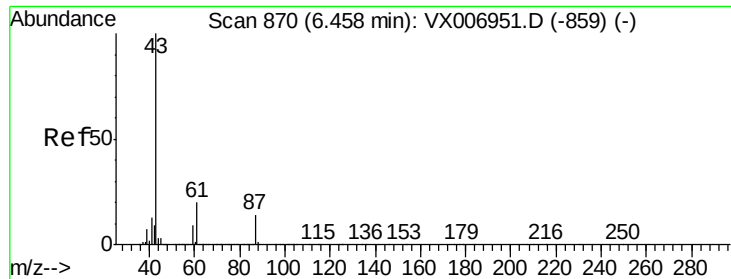
Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





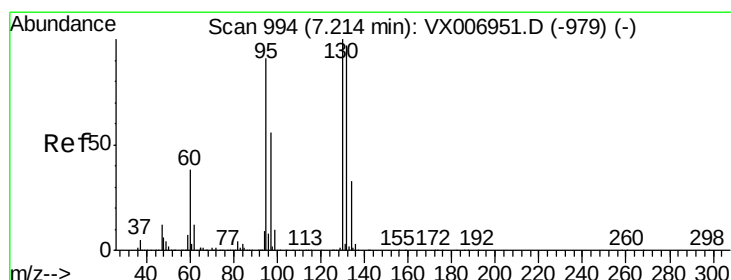
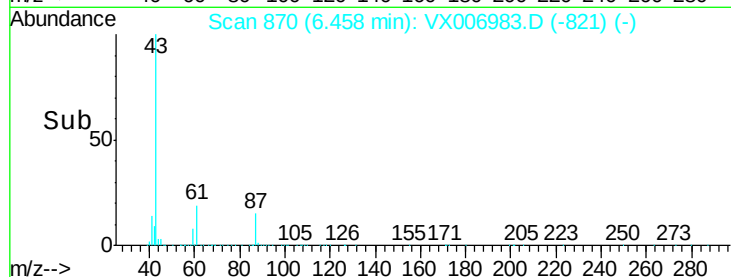
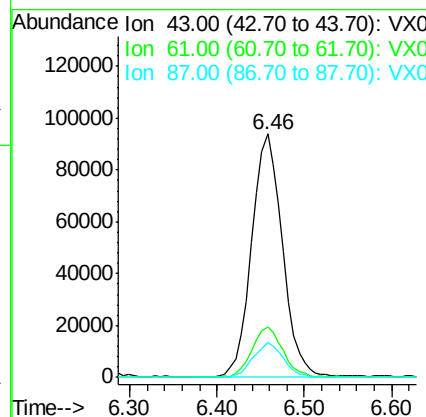
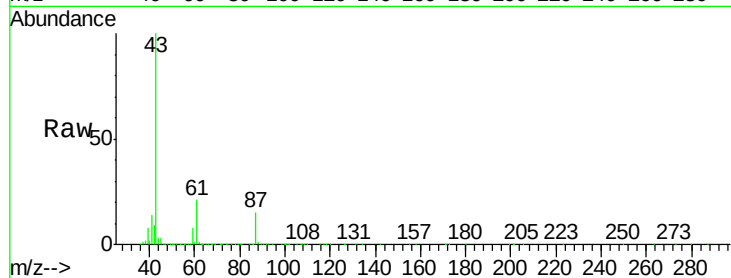
#43
Isopropyl Acetate
Concen: 18.609 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.8	25.2
87	14.3	12.4	18.6

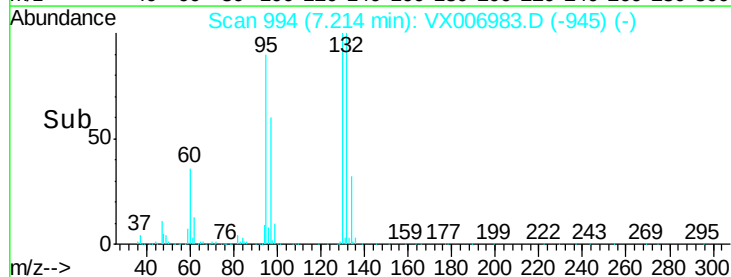
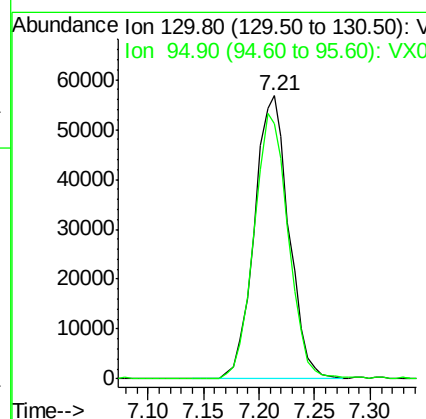
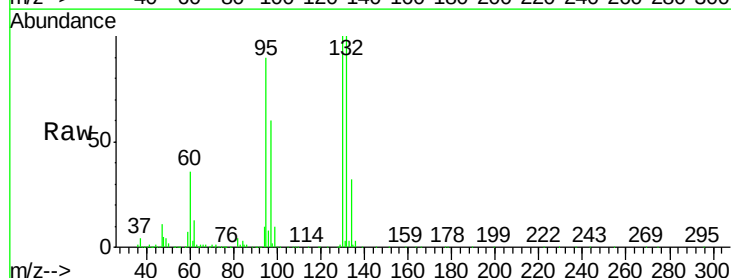
Manual Integrations
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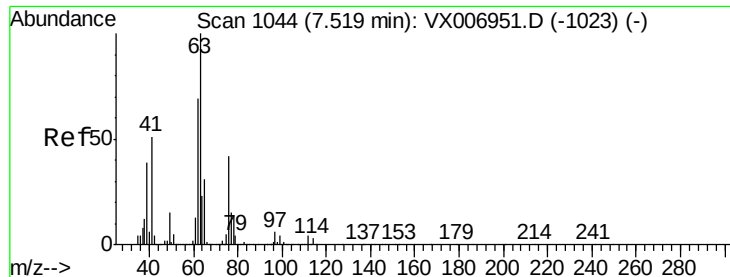
MMDadoda
1/11/2019 11:43:52 AM



#44
Trichloroethene
Concen: 18.494 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	187.0





#45

1,2-Dichloropropane

Concen: 18.843 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 63 Resp: 104841

Ion Ratio Lower Upper

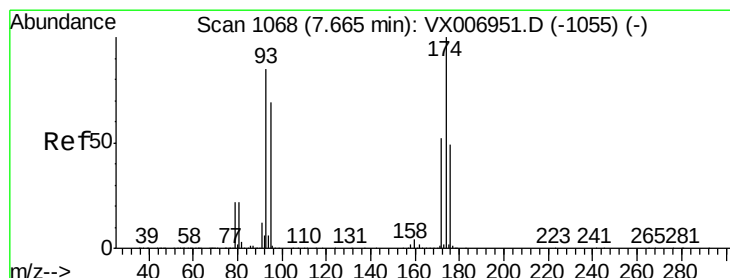
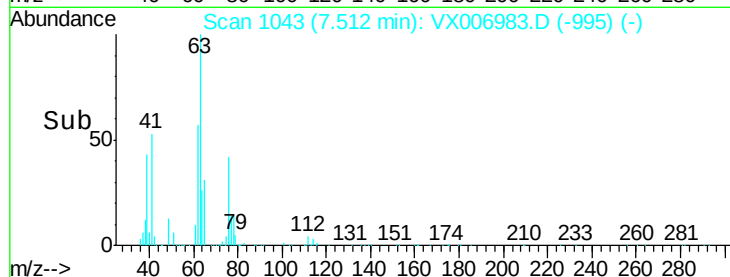
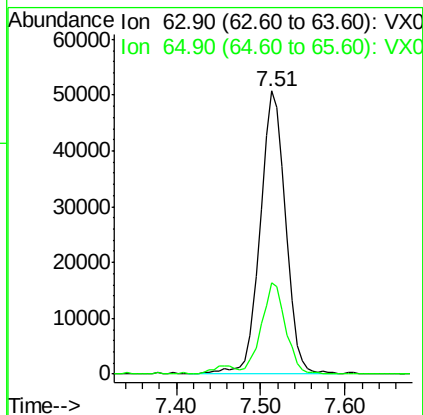
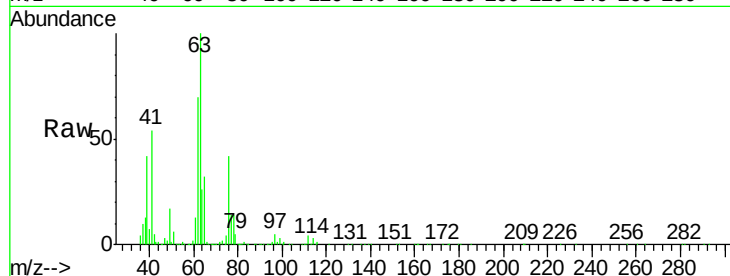
63 100

65 32.1 25.4 38.0

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#46

Dibromomethane

Concen: 18.419 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

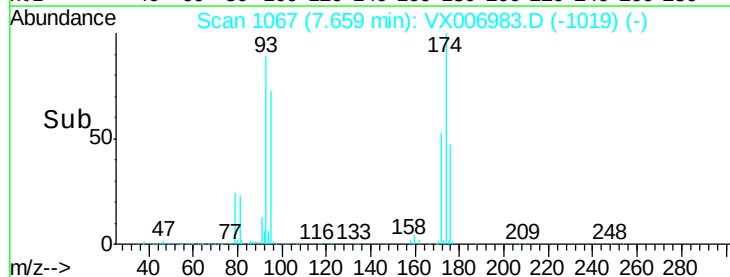
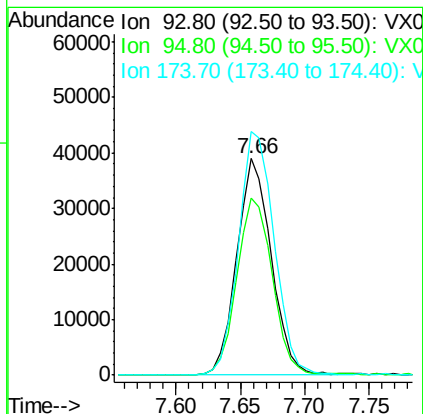
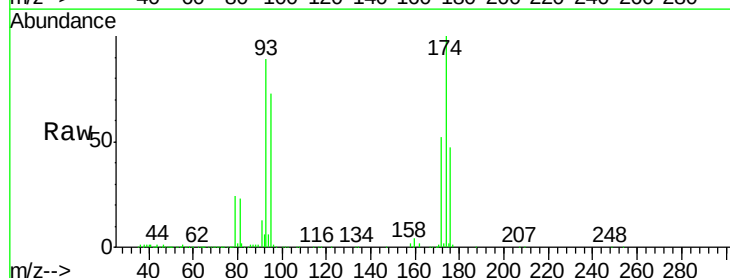
Tgt Ion: 93 Resp: 72024

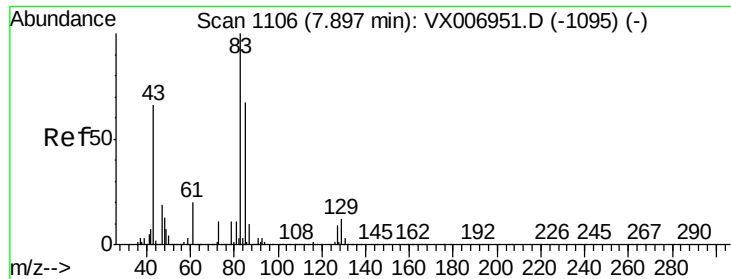
Ion Ratio Lower Upper

93 100

95 85.1 66.2 99.4

174 116.9 91.0 136.4





#47

Bromodichloromethane

Concen: 18.578 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

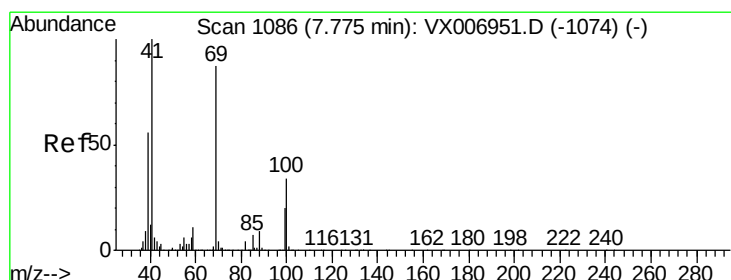
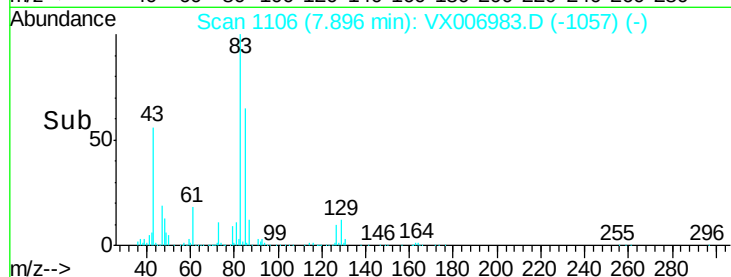
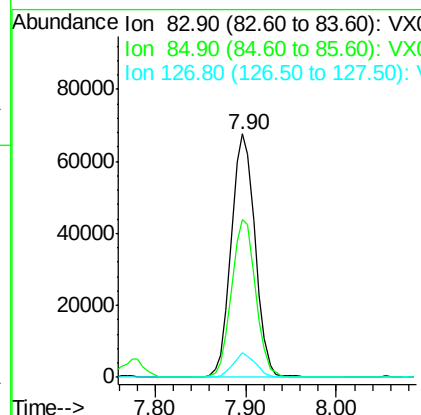
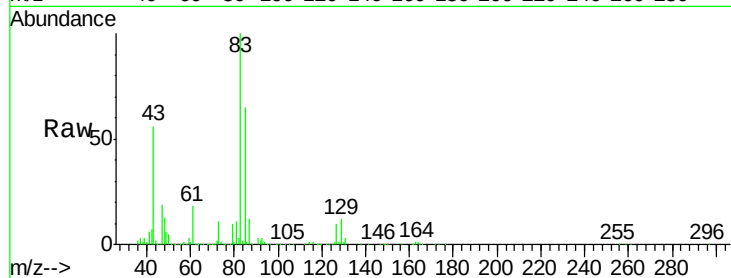
ClientSampleId :

VX0110WBS01

Tot Ion:	83	Resp:	123658
Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.2	79.8
127	10.2	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.819 ug/l

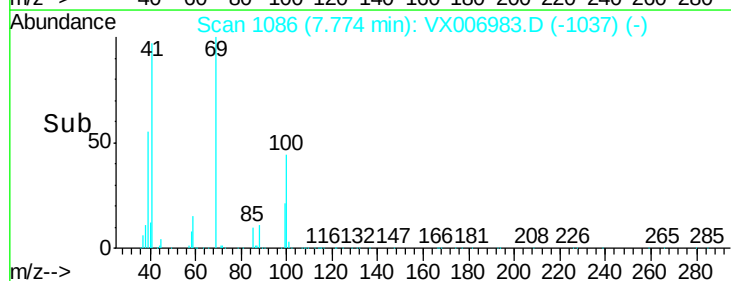
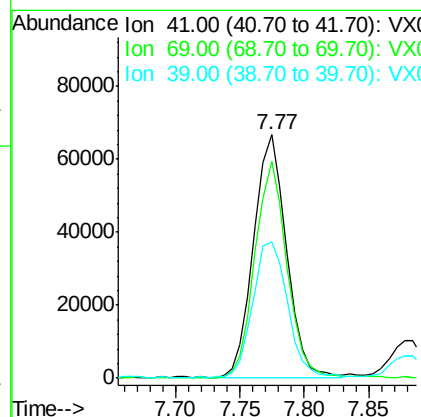
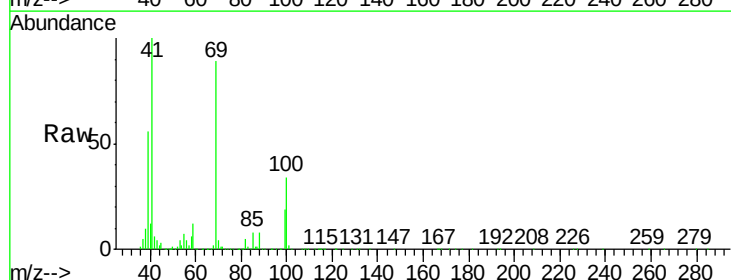
RT: 7.77 min Scan# 1086

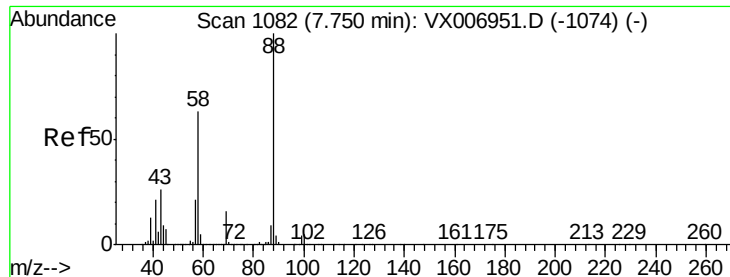
Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	41	Resp:	118536
Ion	Ratio	Lower	Upper
41	100		
69	86.7	72.4	108.6
39	58.6	45.8	68.8





#49

1,4-Dioxane

Concen: 395.945 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

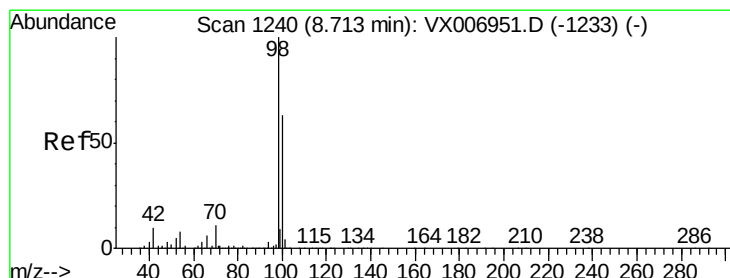
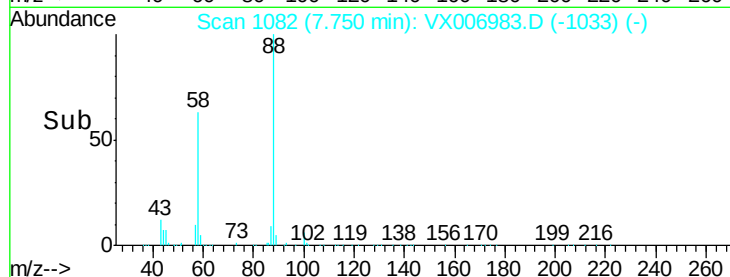
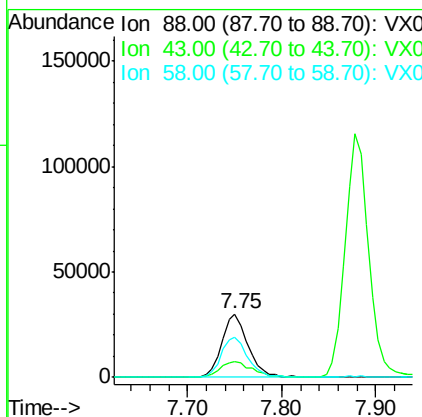
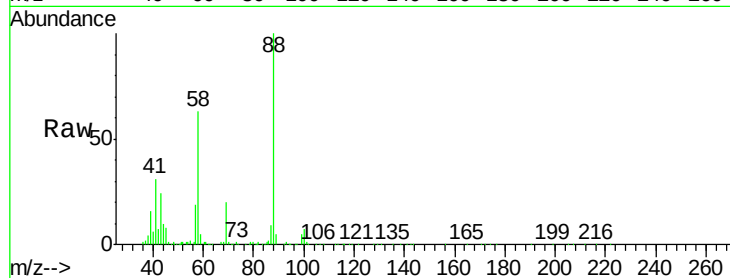
ClientSampleId :

VX0110WBS01

Tot Ion:	88	Resp:	57701
Ion	Ratio	Lower	Upper
88	100		
43	31.1	22.2	33.4
58	65.1	51.0	76.4

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#50

Toluene-d8

Concen: 50.267 ug/l

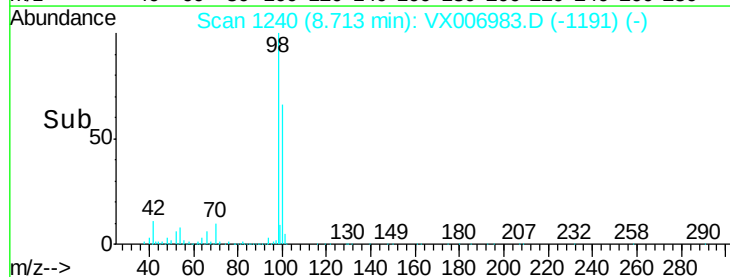
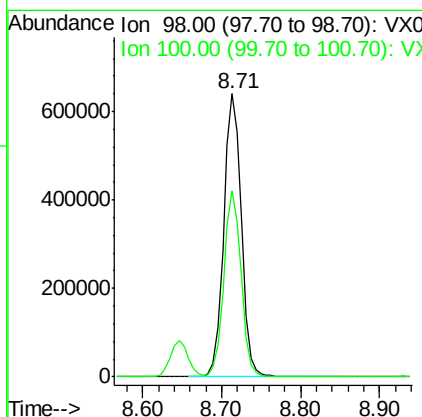
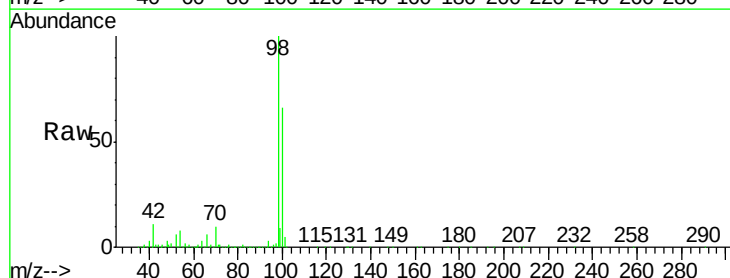
RT: 8.71 min Scan# 1240

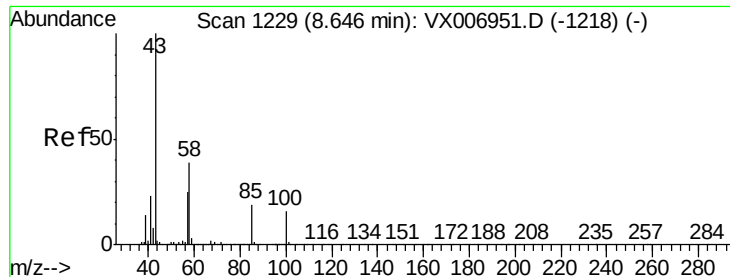
Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	98	Resp:	982980
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 98.163 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0110WBS01

Tot Ion: 43 Resp: 773784

Ion Ratio Lower Upper

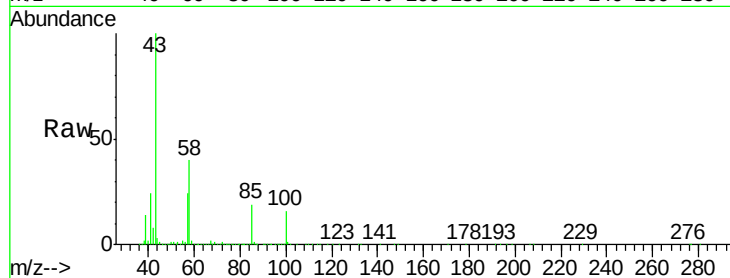
43 100

58 39.0 31.8 47.6

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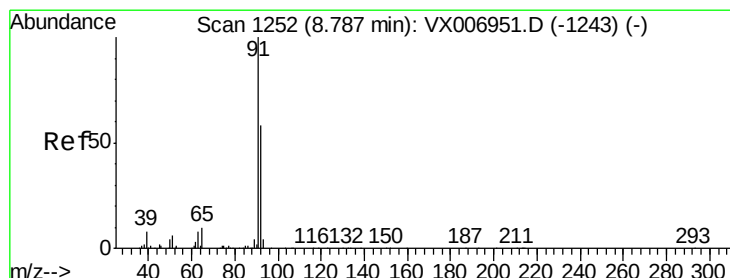
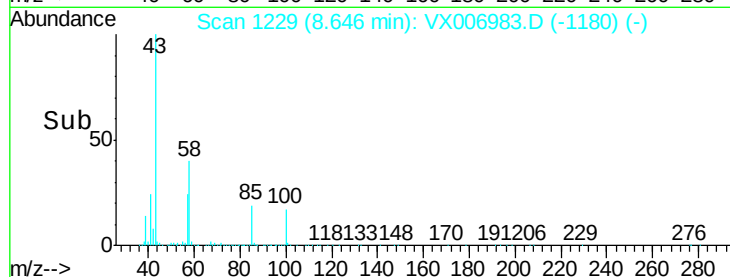
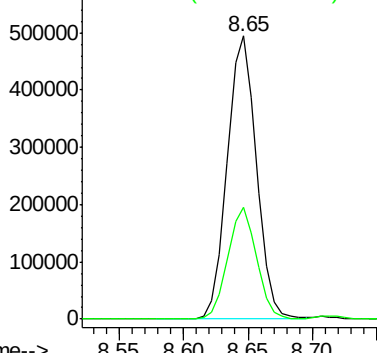
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.215 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006983.D

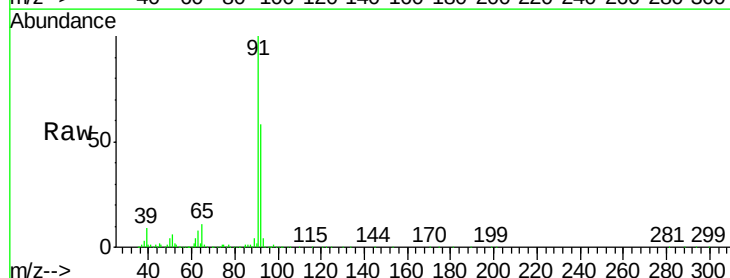
Acq: 10 Jan 2019 12:14

Tgt Ion: 92 Resp: 273321

Ion Ratio Lower Upper

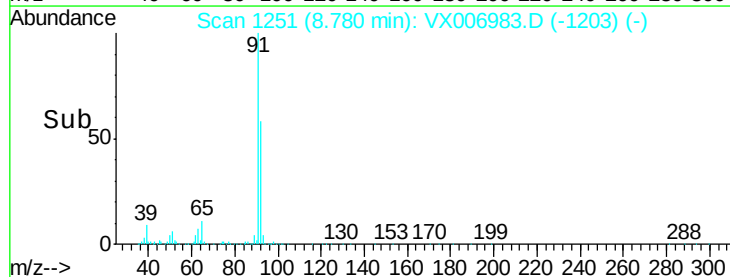
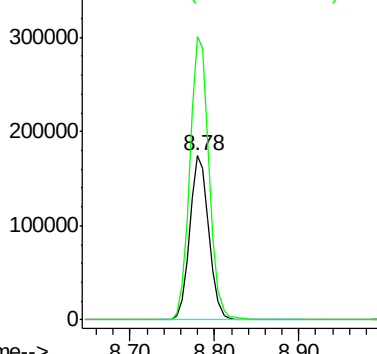
92 100

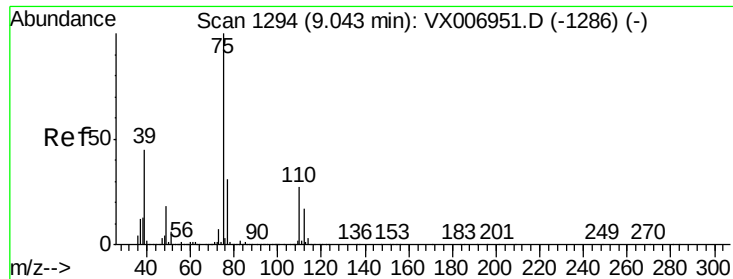
91 173.5 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





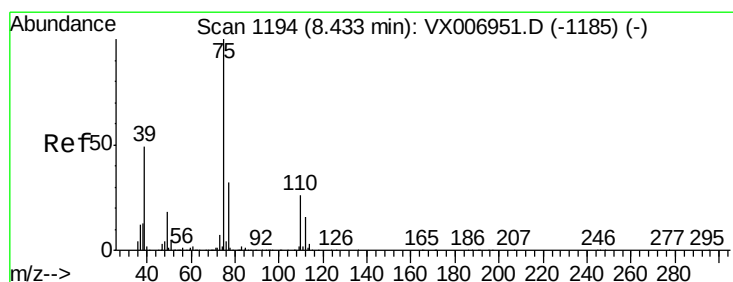
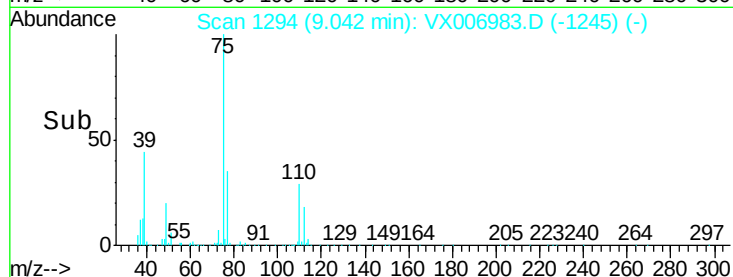
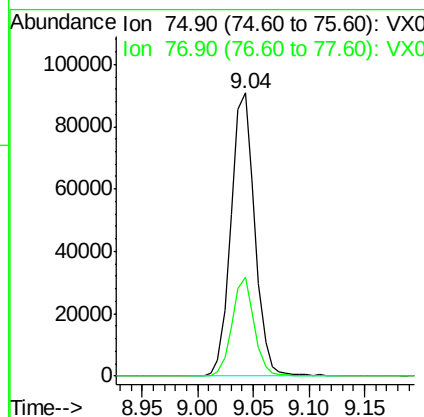
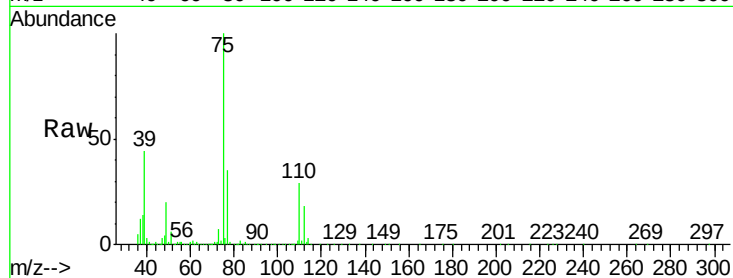
#53
t-1,3-Dichloropropene
Concen: 18.185 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.4	38.0

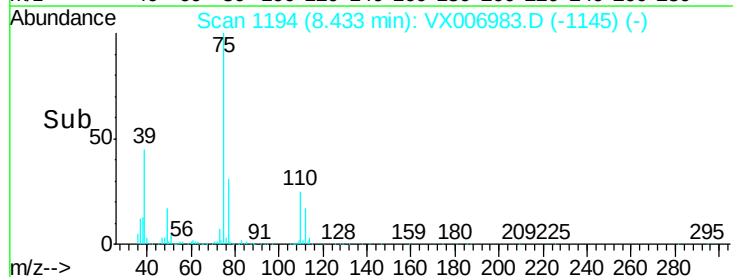
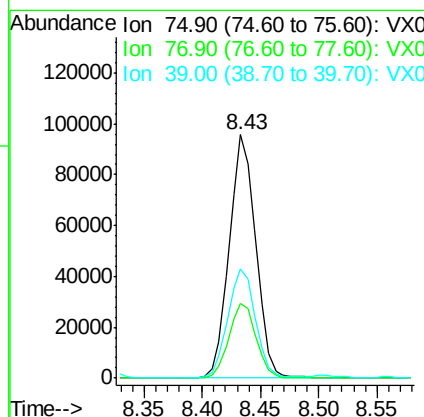
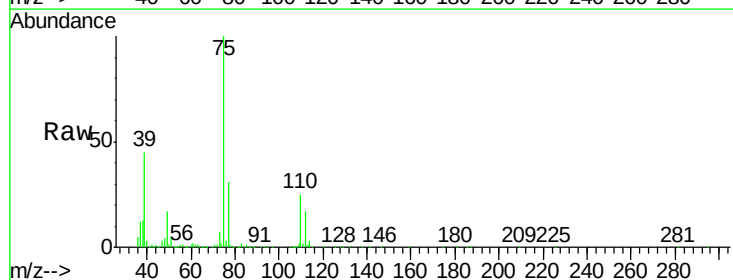
Manual Integrations
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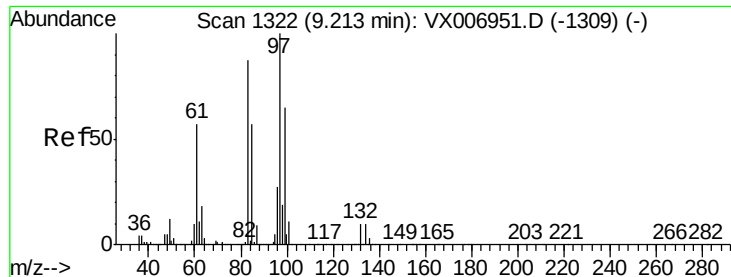
MMDadoda
1/11/2019 11:43:52 AM



#54
cis-1,3-Dichloropropene
Concen: 18.535 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.2	39.2
39	44.8	36.7	55.1





#55

1,1,2-Trichloroethane

Concen: 20.089 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

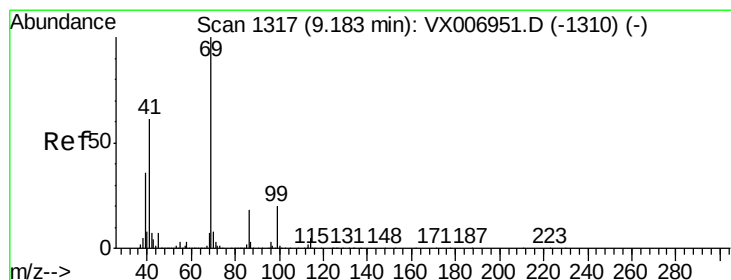
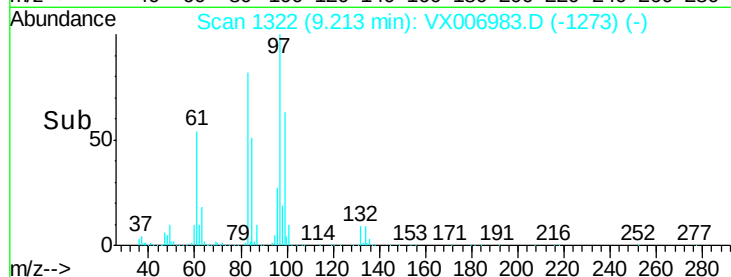
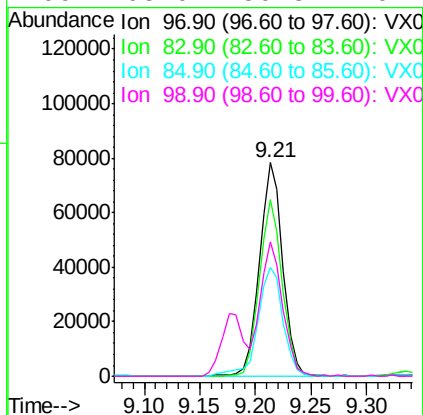
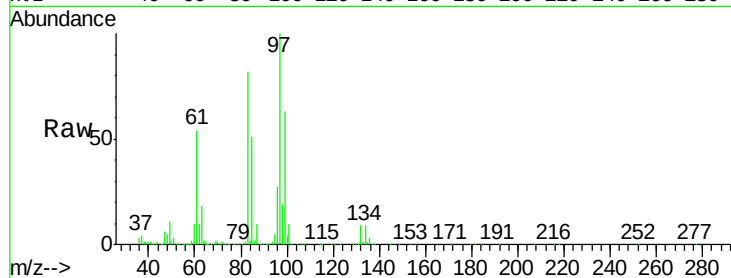
ClientSampleId :

VX0110WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		114379		
83	82.4	66.6	99.8		
85	51.1	42.7	64.1		
99	63.0	50.8	76.2		

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#56

Ethyl methacrylate

Concen: 19.479 ug/l

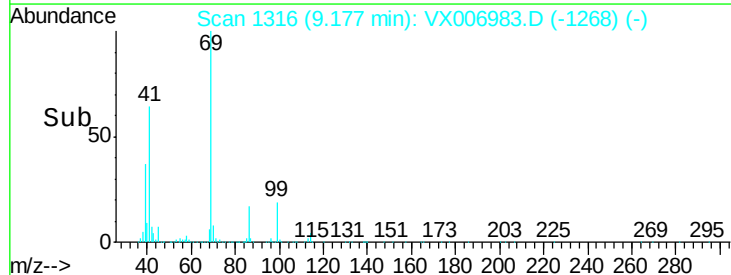
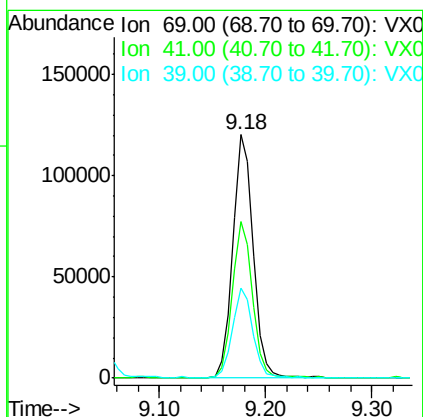
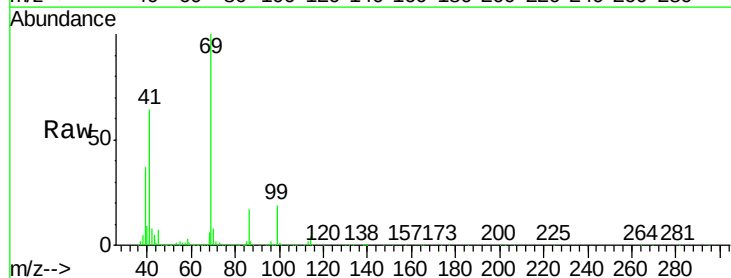
RT: 9.18 min Scan# 1316

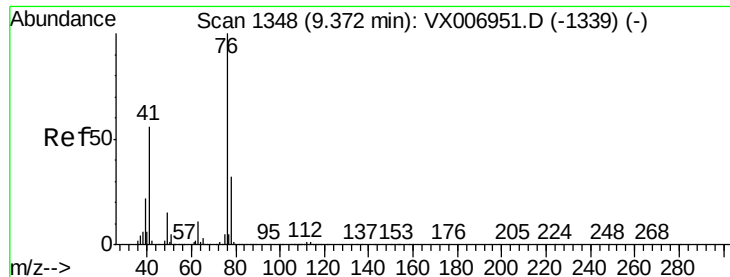
Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		161907		
41	63.7	48.7	73.1		
39	36.7	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 19.080 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0110WBS01

Tot Ion: 76 Resp: 177976

Ion Ratio Lower Upper

76 100

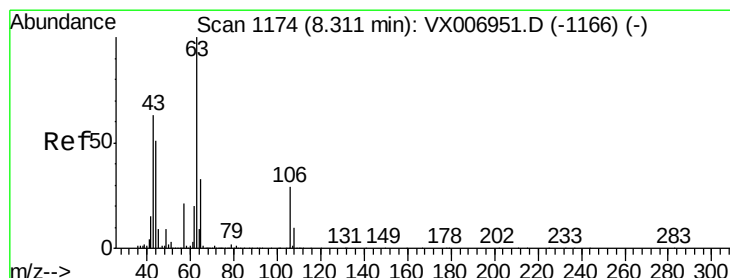
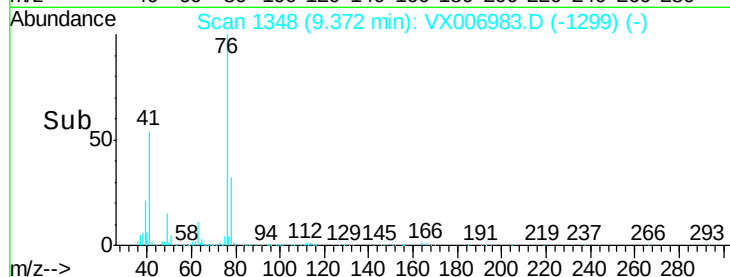
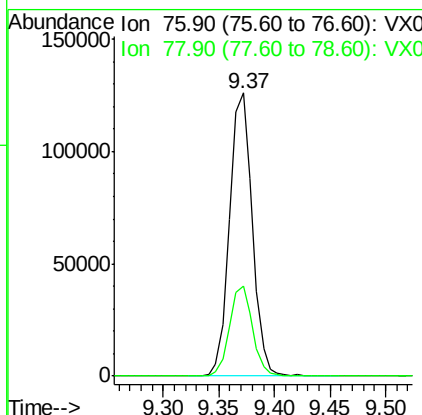
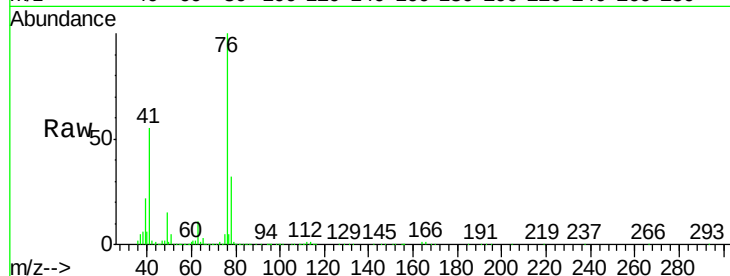
78 32.2 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 97.940 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006983.D

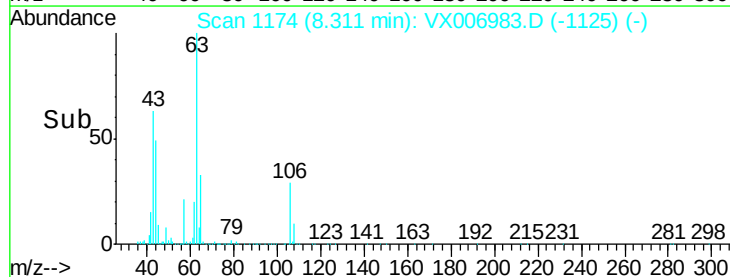
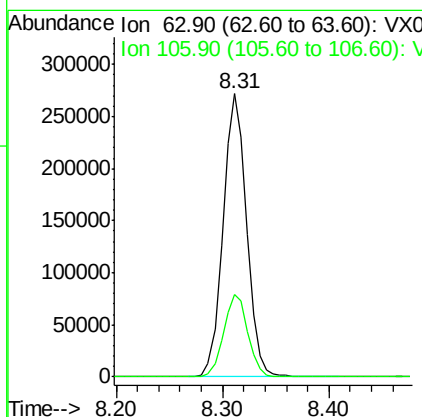
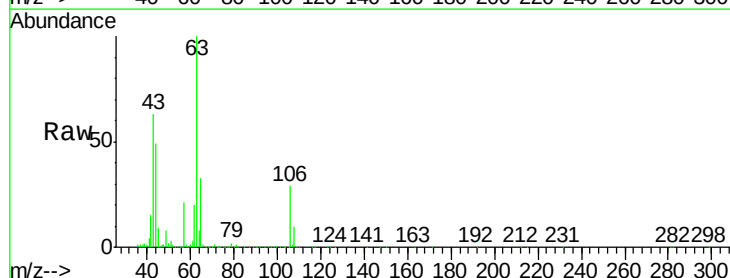
Acq: 10 Jan 2019 12:14

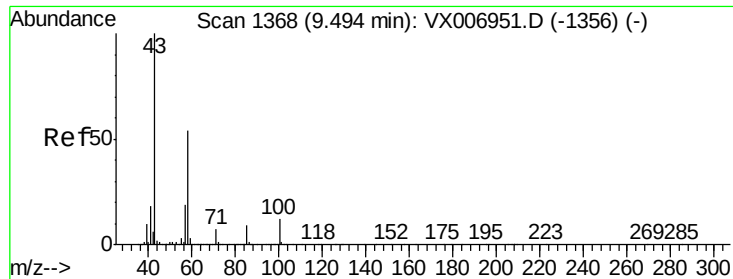
Tgt Ion: 63 Resp: 418560

Ion Ratio Lower Upper

63 100

106 29.9 24.6 36.8





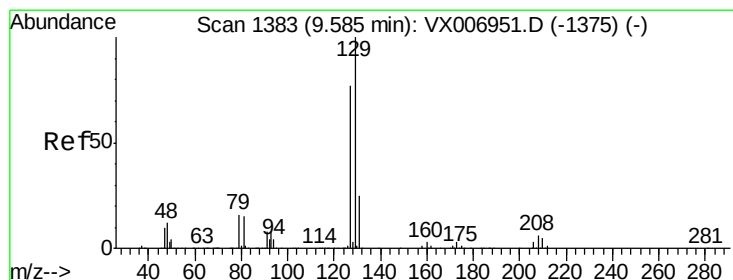
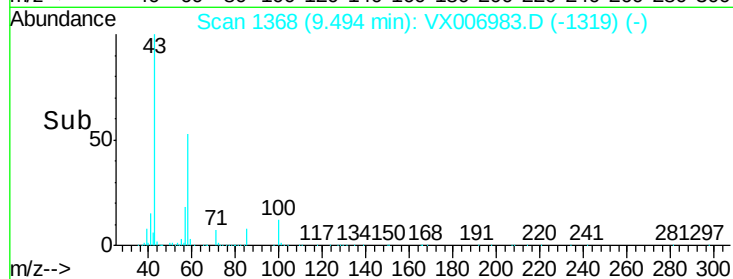
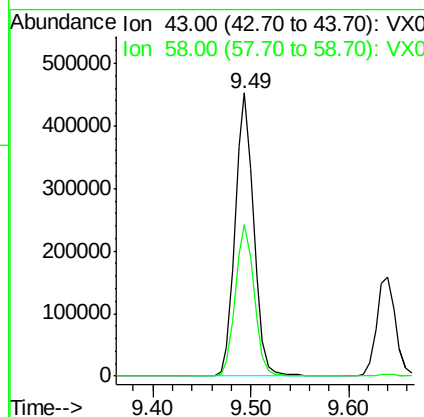
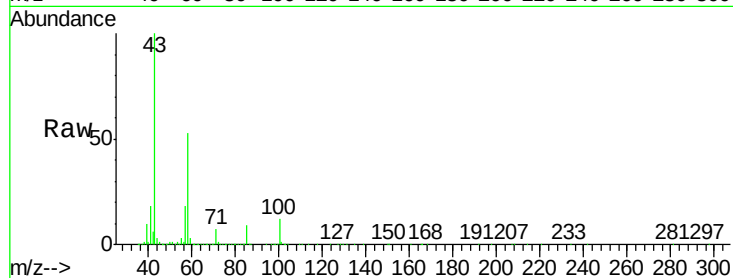
#59
2-Hexanone
Concen: 99.062 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion: 43 Resp: 595068
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1

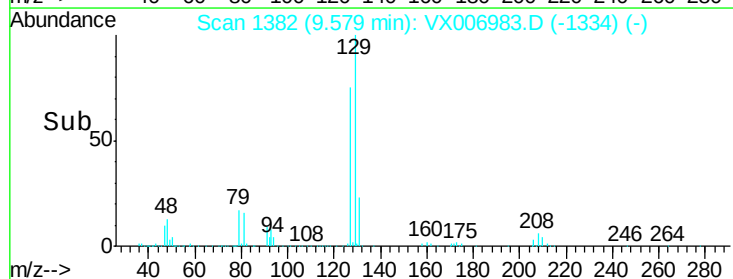
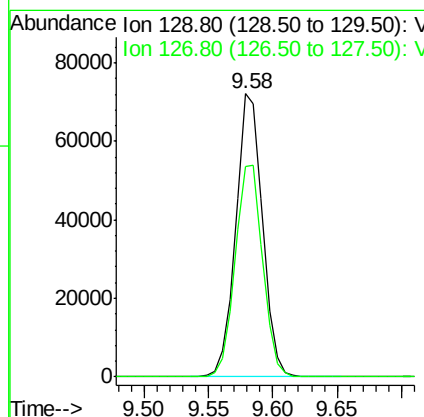
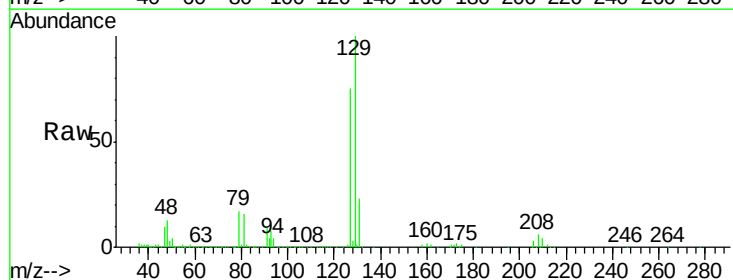
Manual Integrations
APPROVED

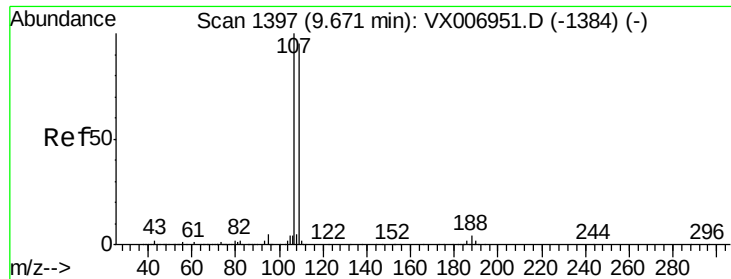
MMDadoda
1/11/2019 11:43:52 AM



#60
Dibromochloromethane
Concen: 18.878 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion: 129 Resp: 104368
Ion Ratio Lower Upper
129 100
127 77.1 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.375 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 107 Resp: 121446

Ion Ratio Lower Upper

107 100

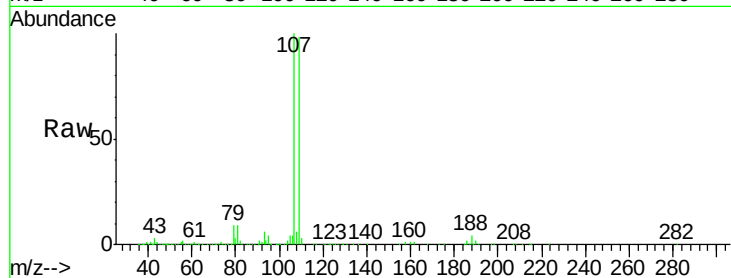
109 94.6 75.8 113.6

Manual Integrations

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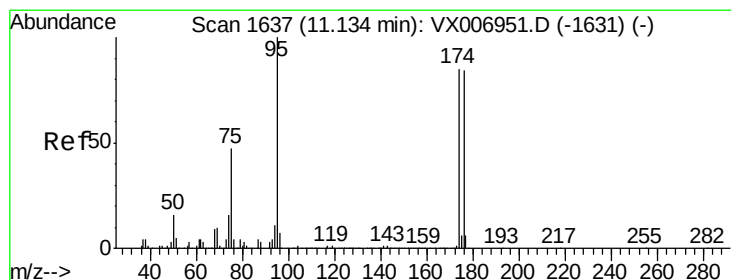
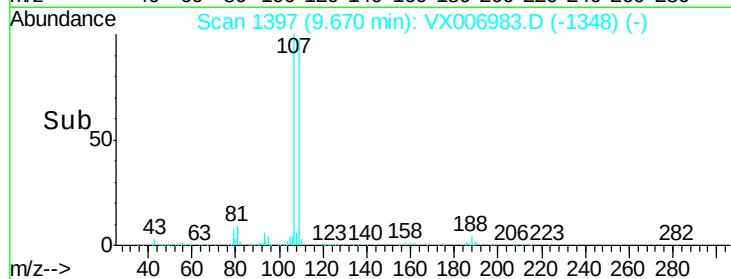
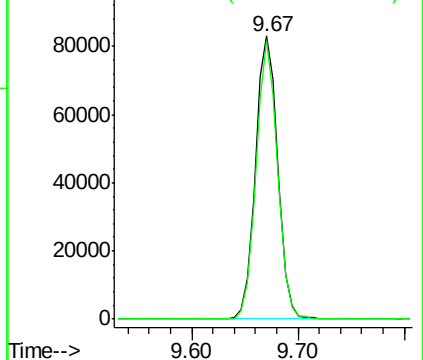
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

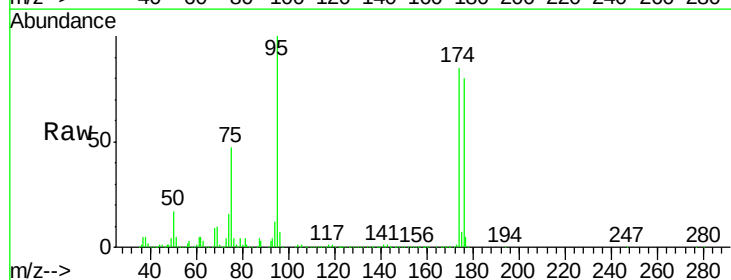
Tgt Ion: 95 Resp: 361610

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.2

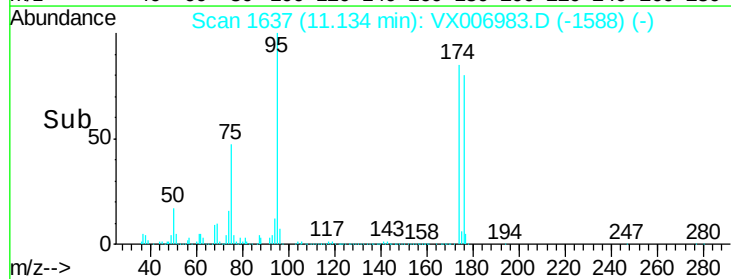
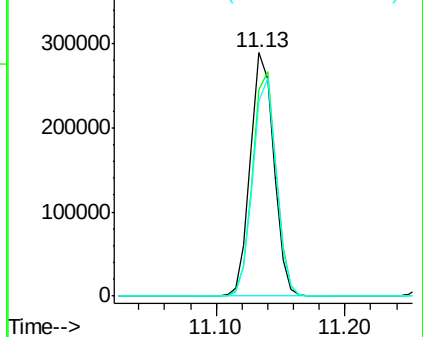
176 89.1 0.0 178.8

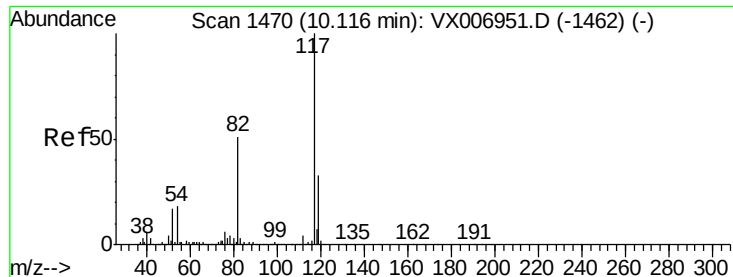


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





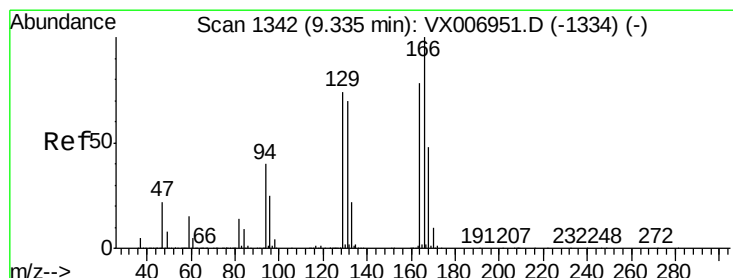
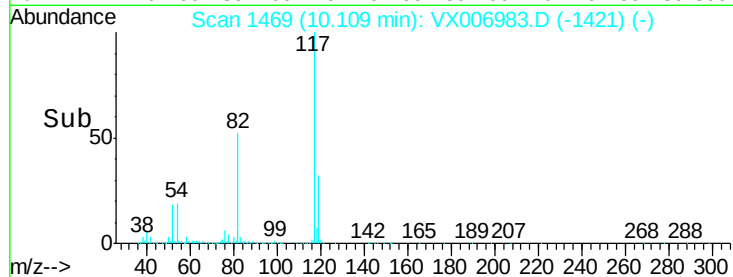
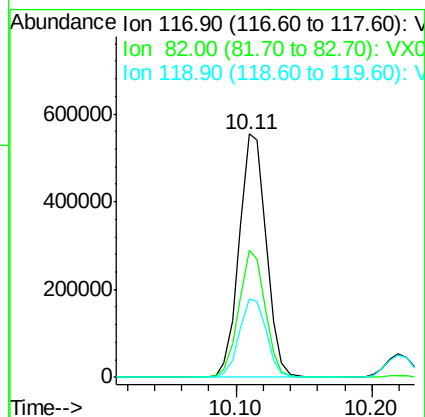
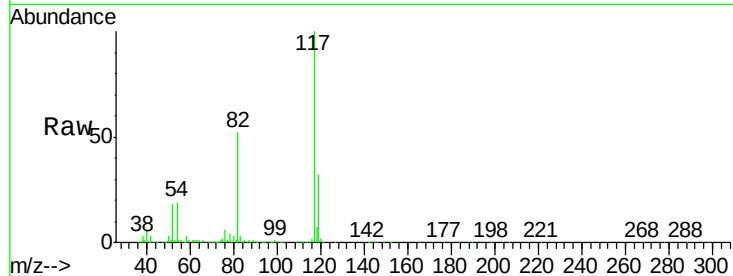
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.0	61.6
119	32.2	25.4	38.0

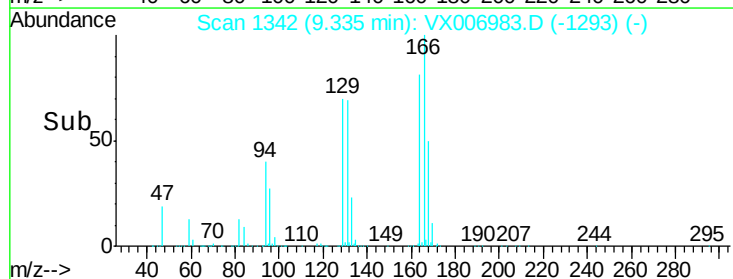
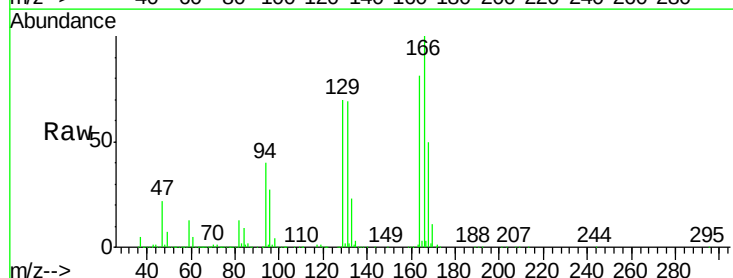
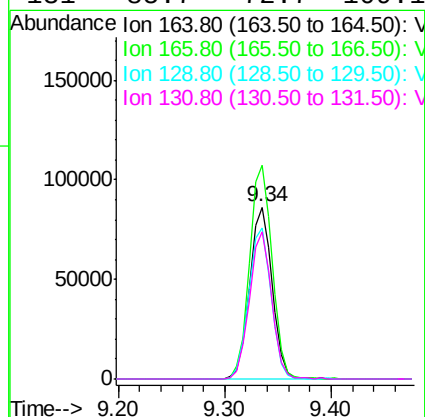
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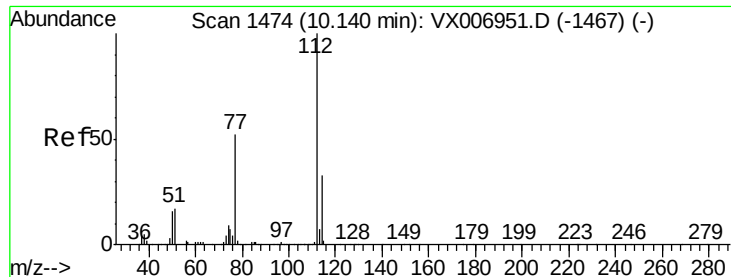
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#64
Tetrachloroethene
Concen: 19.351 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	102.5	153.7
129	87.4	75.1	112.7
131	85.7	72.7	109.1





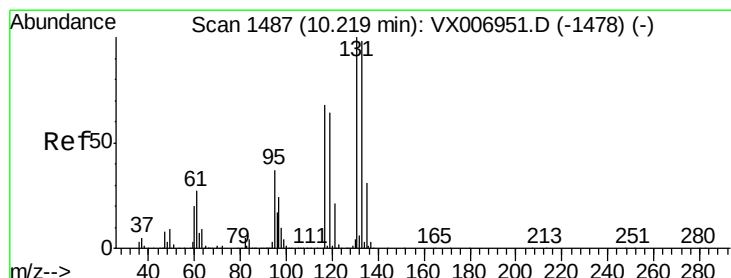
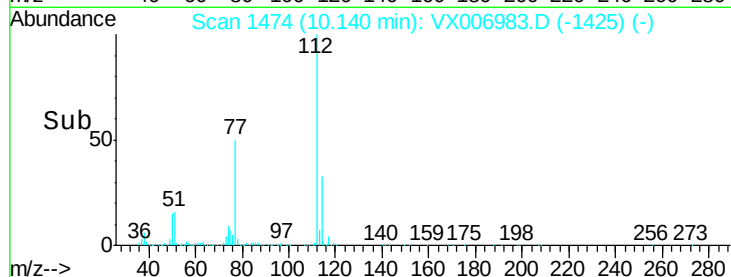
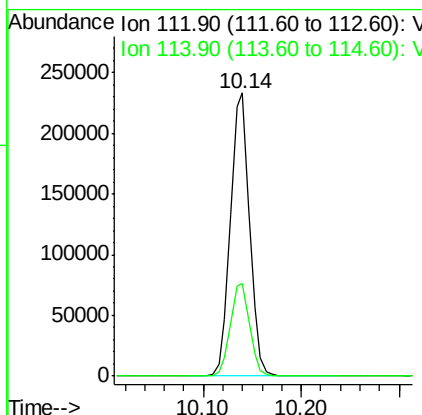
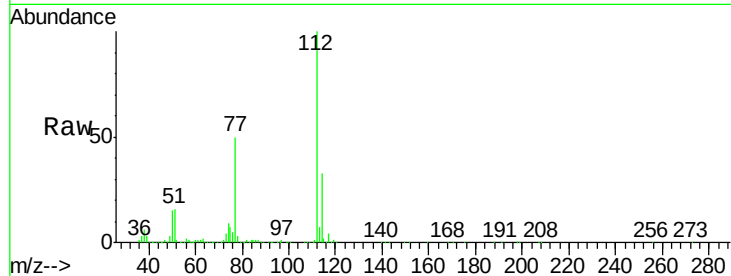
#65
Chlorobenzene
Concen: 18.927 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.7	38.5

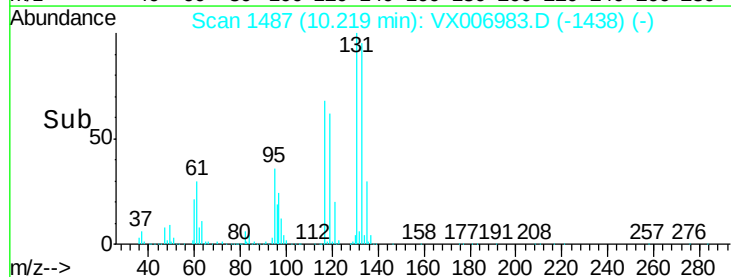
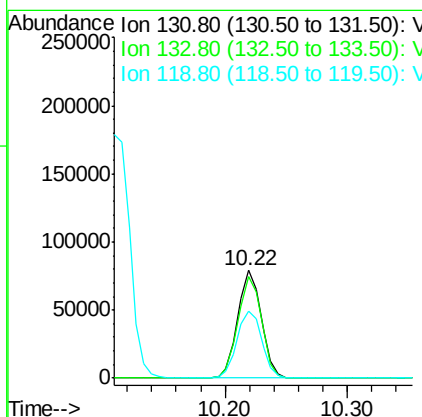
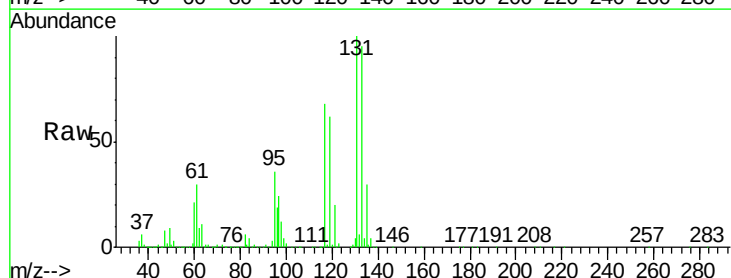
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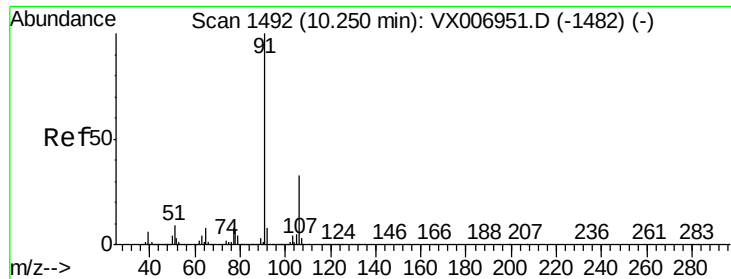
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.732 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.0	144.2
119	64.7	32.6	97.8





#67

Ethyl Benzene

Concen: 19.052 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 91 Resp: 526985

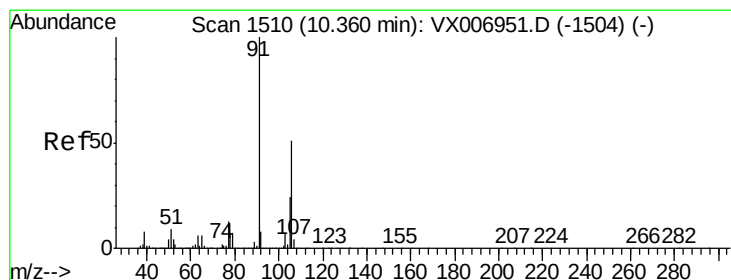
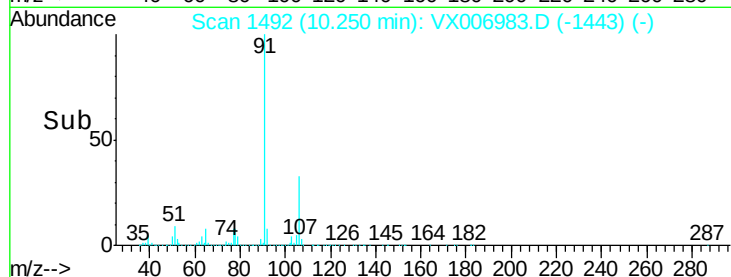
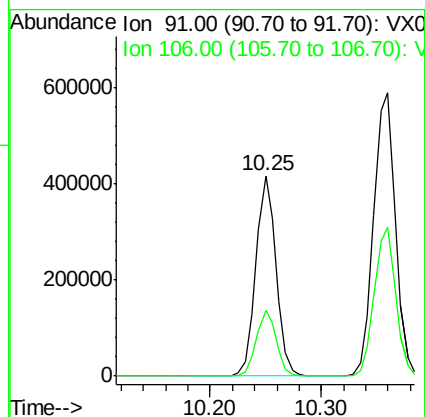
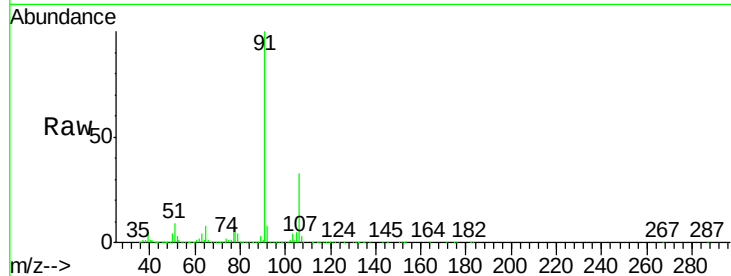
Ion Ratio Lower Upper

91 100

106 32.9 26.4 39.6

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#68

m/p-Xylenes

Concen: 38.458 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006983.D

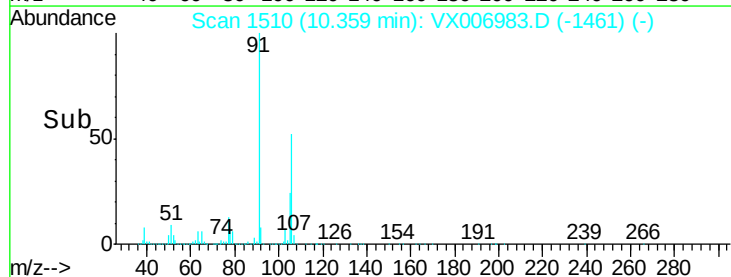
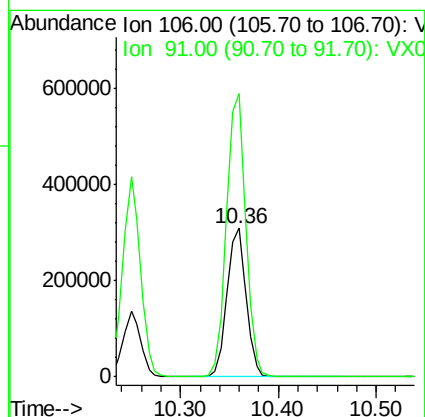
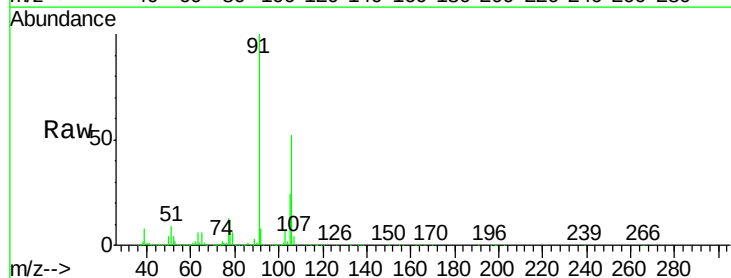
Acq: 10 Jan 2019 12:14

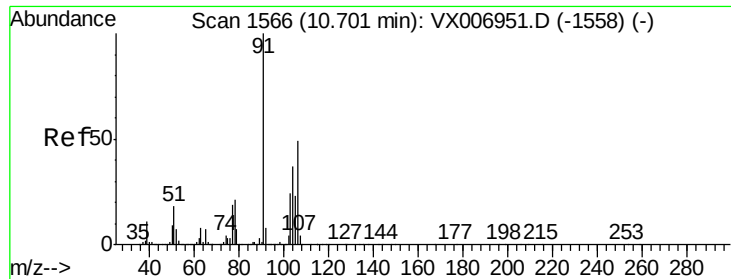
Tgt Ion: 106 Resp: 419112

Ion Ratio Lower Upper

106 100

91 192.8 155.8 233.6





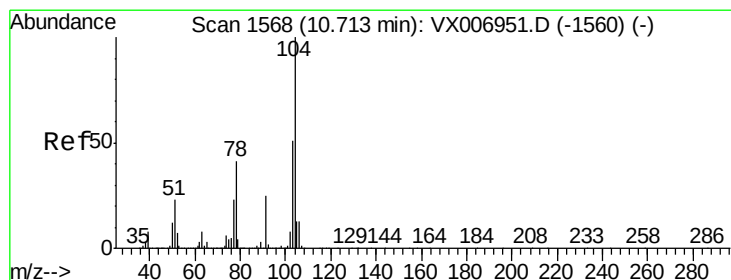
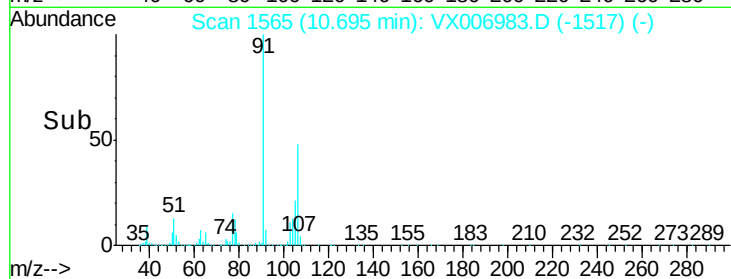
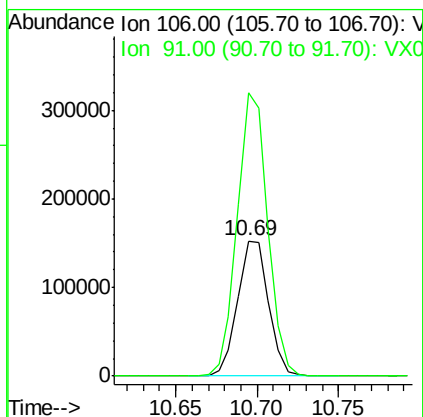
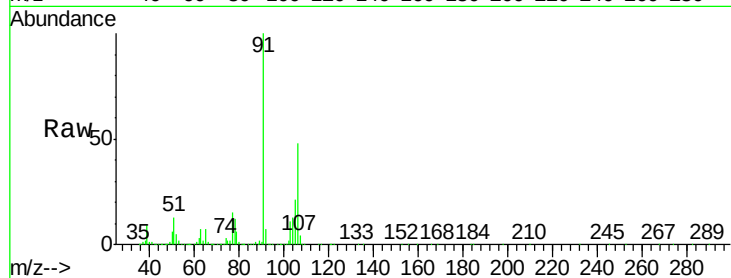
#69
o-Xylene
Concen: 19.017 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.5	101.3	303.7

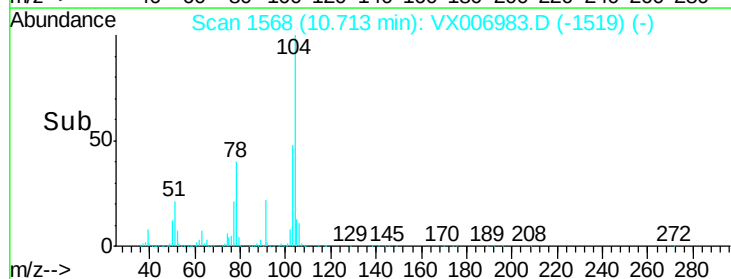
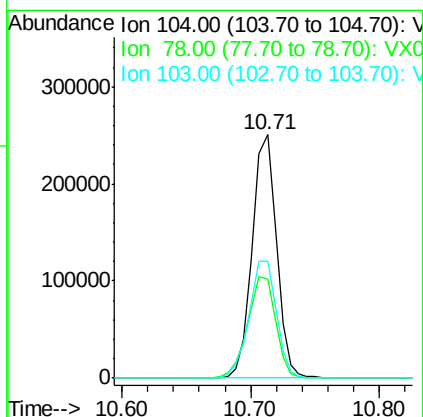
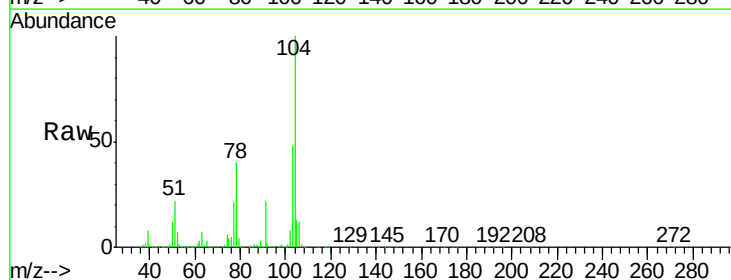
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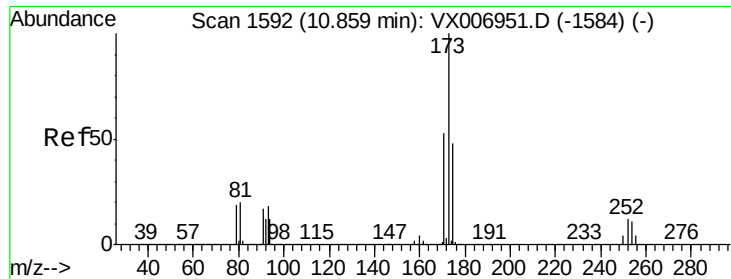
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#70
Styrene
Concen: 19.309 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	37.7	56.5
103	55.1	43.8	65.8





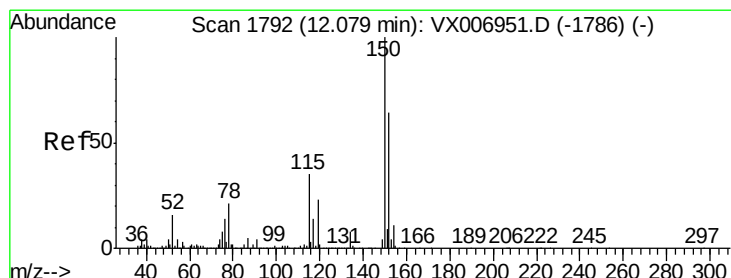
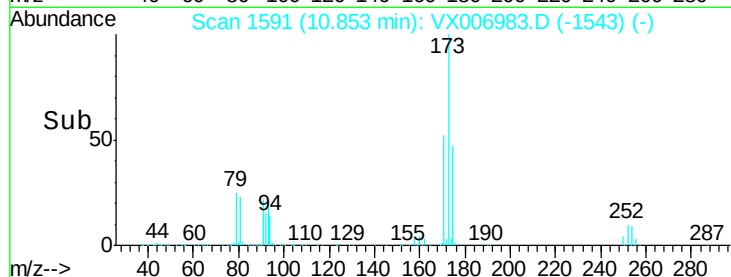
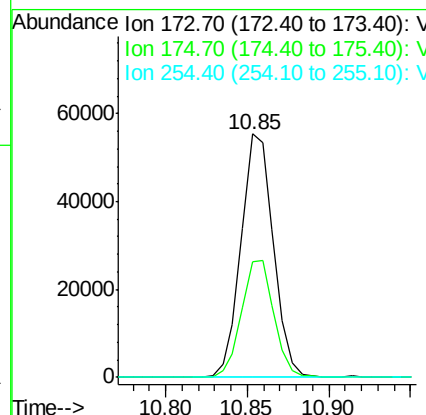
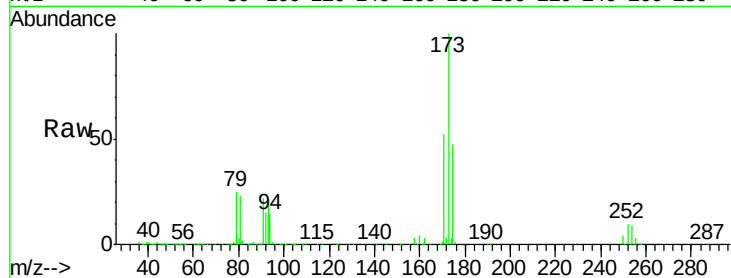
#71
Bromoform
Concen: 18.489 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.2	0.2	0.2

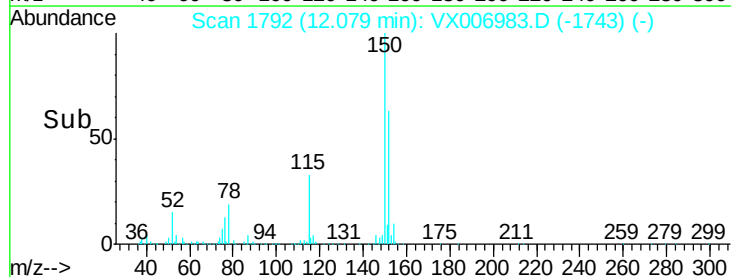
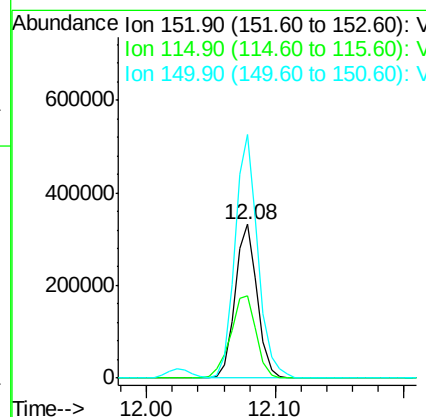
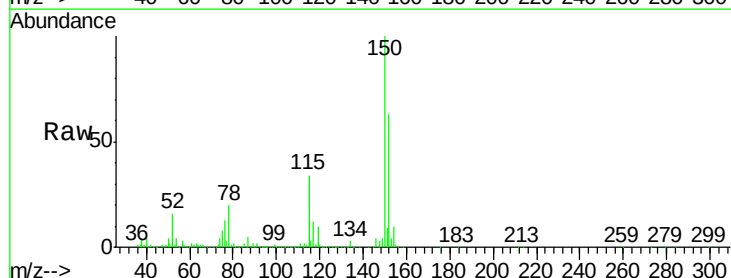
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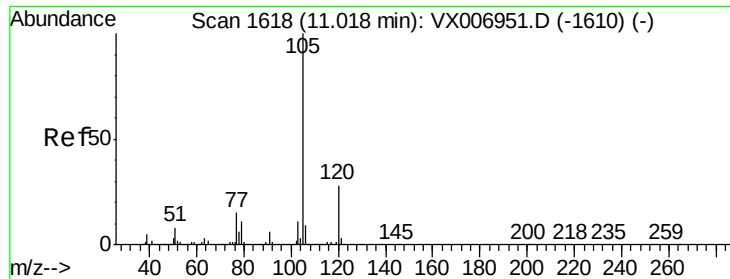
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	39.1	117.2
150	164.9	0.0	344.8





#73

Isopropylbenzene

Concen: 19.335 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 105 Resp: 539366

Ion Ratio Lower Upper

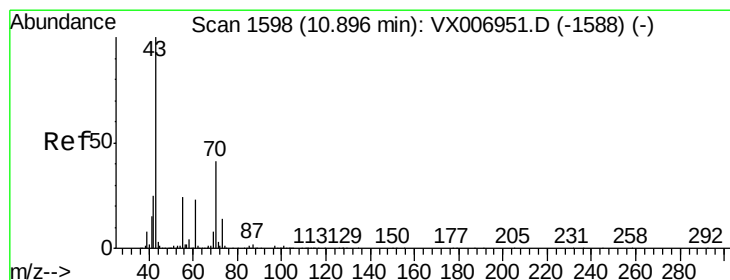
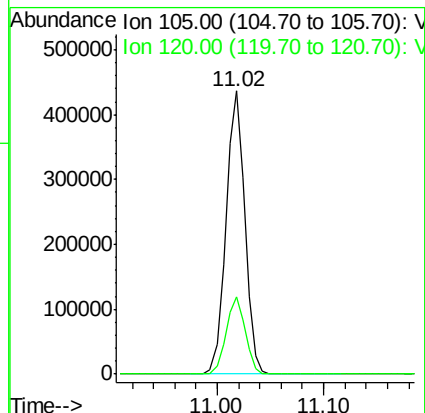
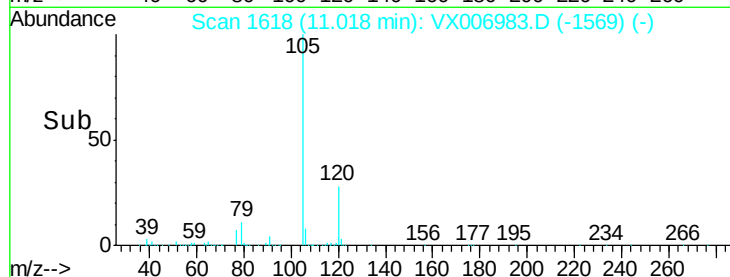
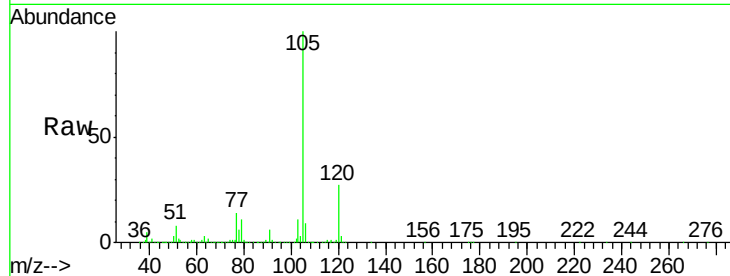
105 100

120 27.7 14.1 42.4

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#74

N-ethyl acetate

Concen: 18.320 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion: 43 Resp: 205764

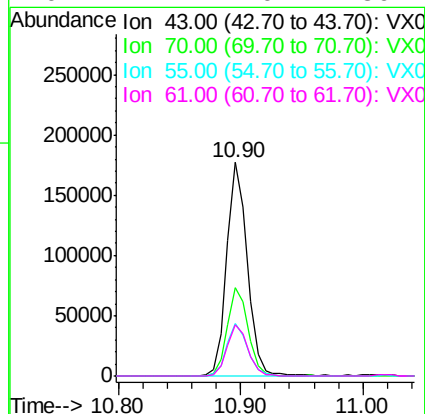
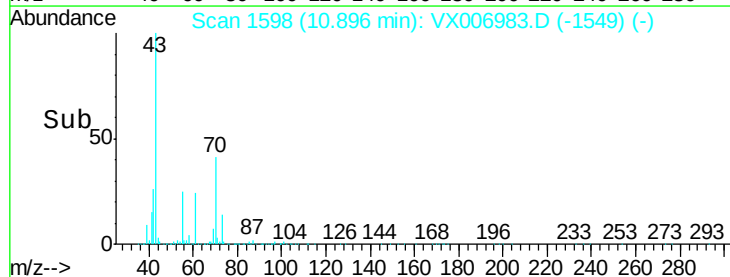
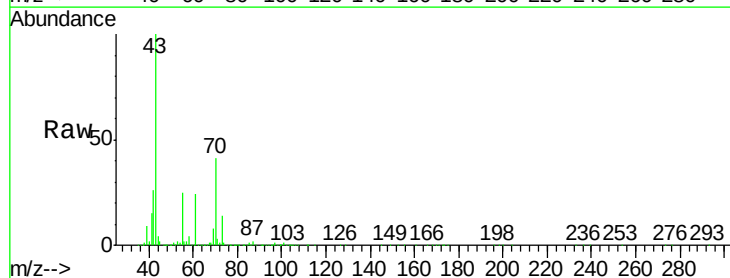
Ion Ratio Lower Upper

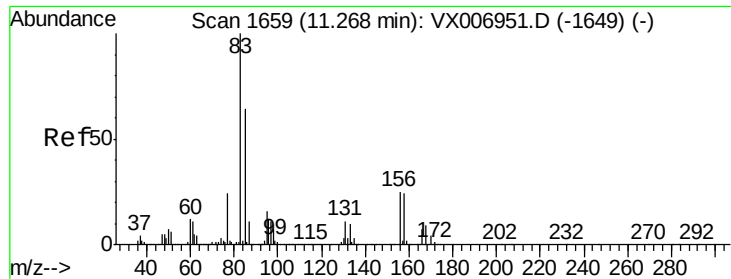
43 100

70 42.0 35.8 53.8

55 25.1 19.4 29.0

61 24.2 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.532 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

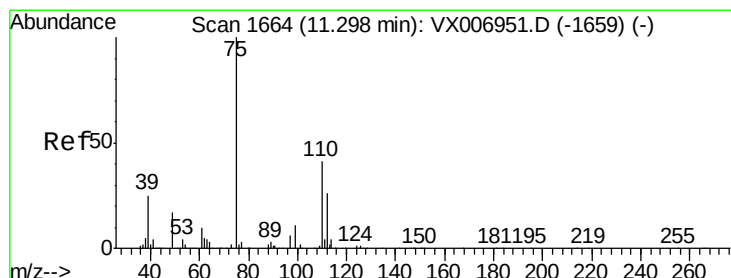
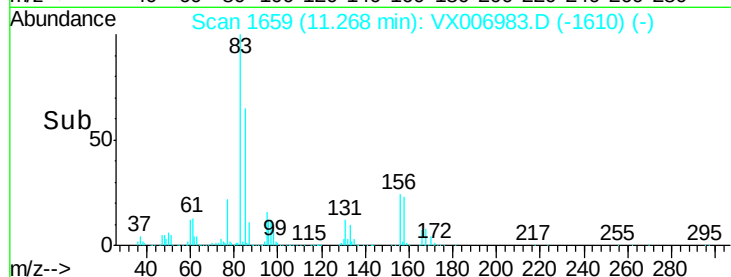
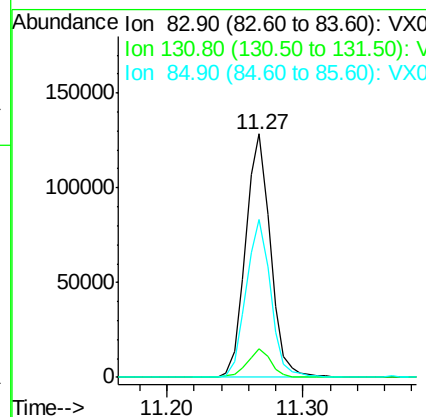
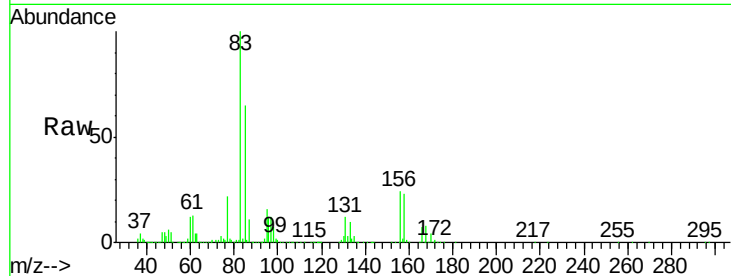
ClientSampleId :

VX0110WBS01

Tot Ion:	83	Resp:	164116
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.1
85	64.7	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 19.060 ug/l m

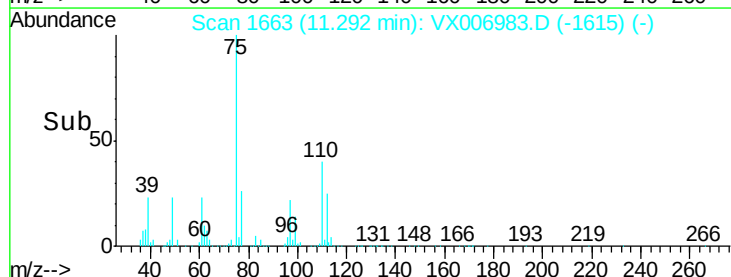
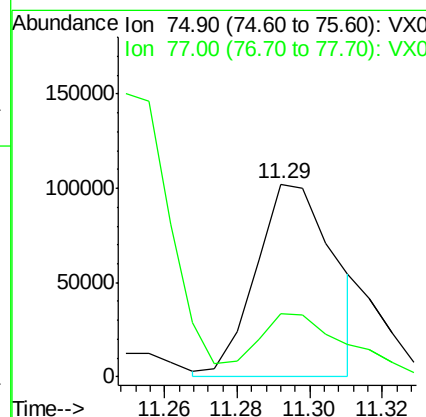
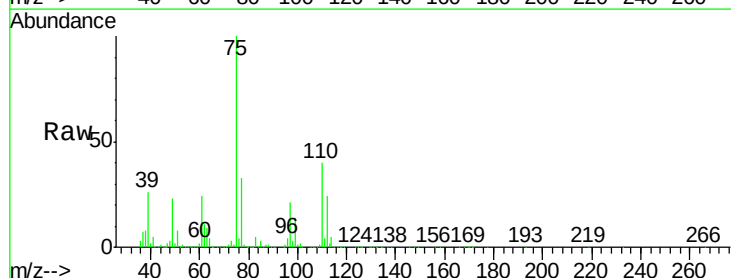
RT: 11.29 min Scan# 1663

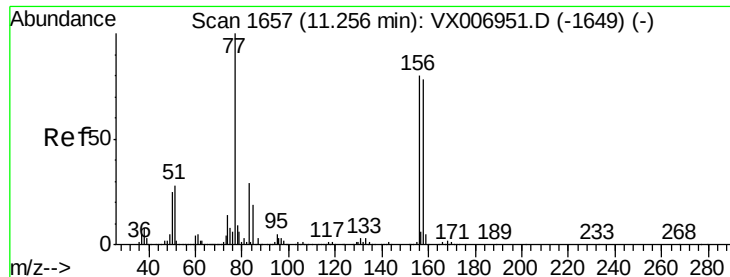
Delta R.T. -0.01 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	75	Resp:	152803
Ion Ratio	Lower	Upper	
75	100		
77	38.5	18.5	55.5





#77

Bromobenzene

Concen: 18.991 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion:156 Resp: 145972

Ion Ratio Lower Upper

156 100

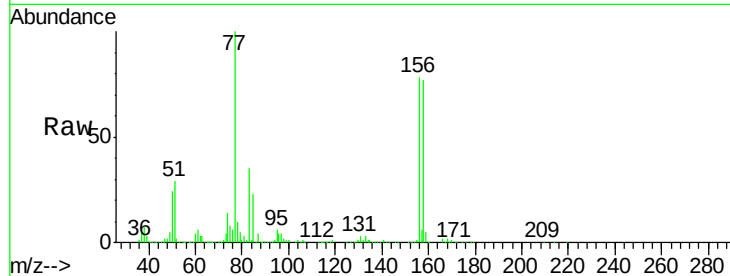
77 134.6 68.0 204.0

158 97.5 48.3 144.8

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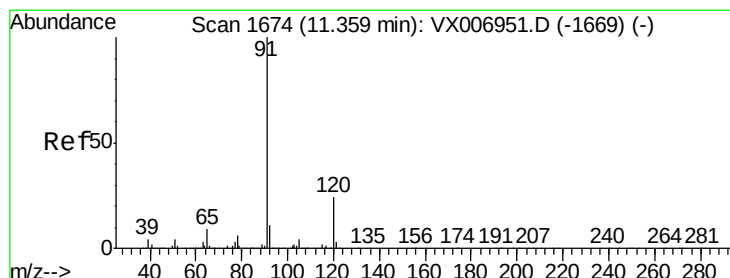
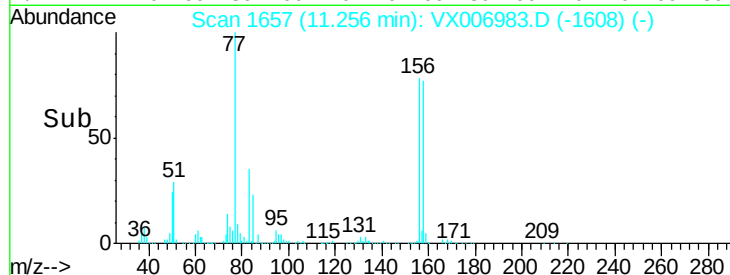
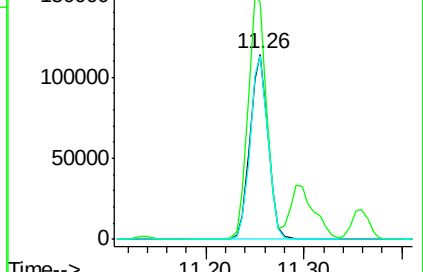
1/11/2019 11:43:52 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.847 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006983.D

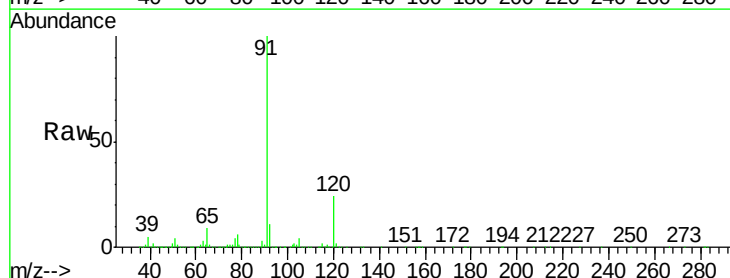
Acq: 10 Jan 2019 12:14

Tgt Ion: 91 Resp: 607776

Ion Ratio Lower Upper

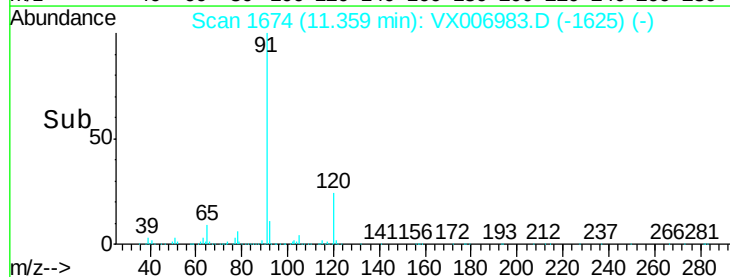
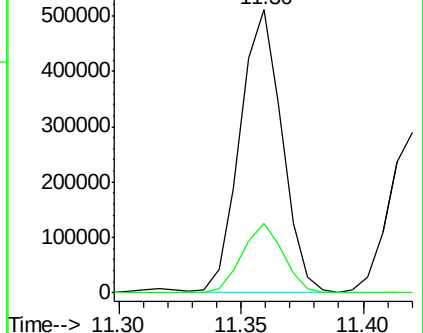
91 100

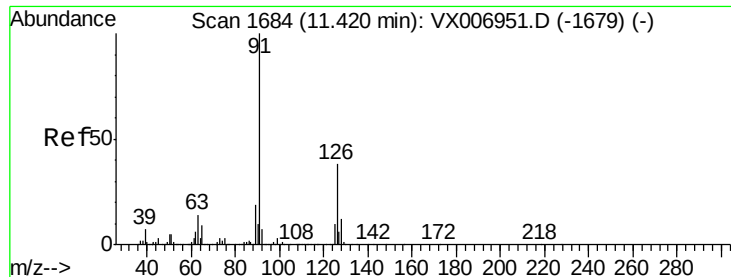
120 24.4 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.278 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0110WBS01

Tot Ion: 91 Resp: 355377

Ion Ratio Lower Upper

91 100

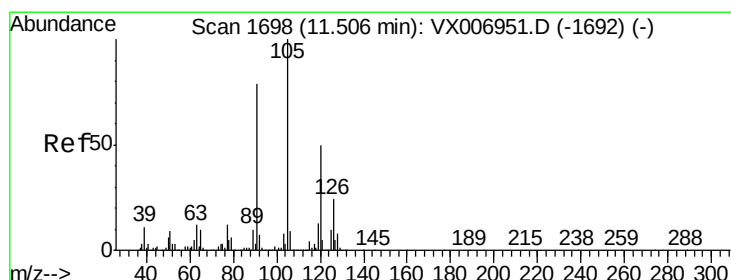
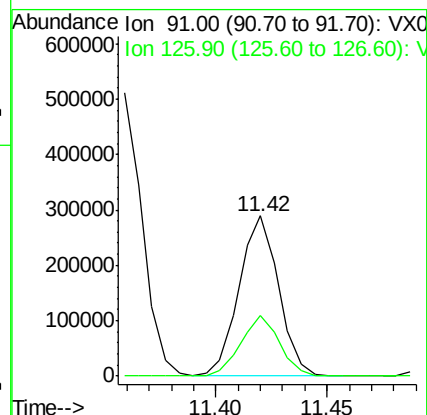
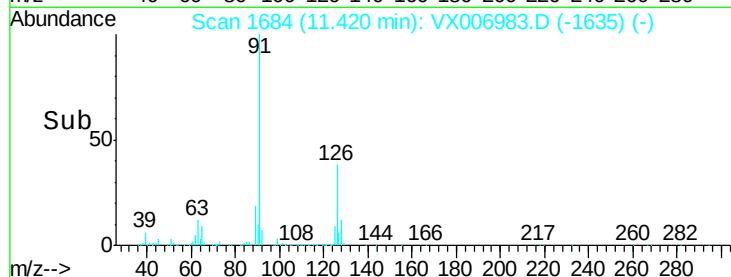
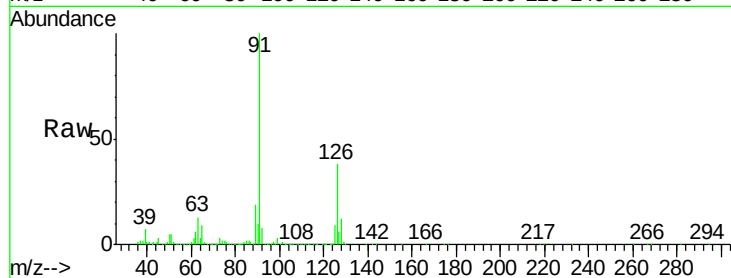
126 37.3 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.100 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006983.D

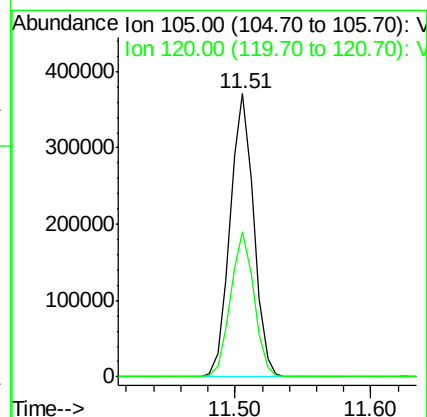
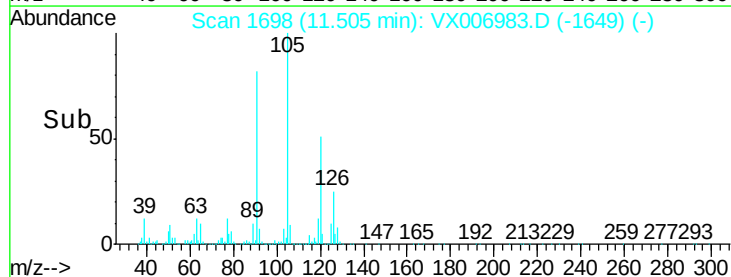
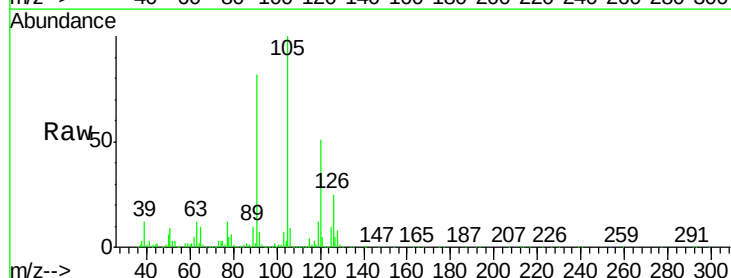
Acq: 10 Jan 2019 12:14

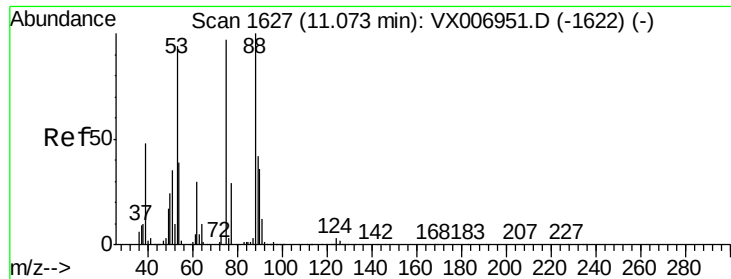
Tgt Ion: 105 Resp: 445204

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.3





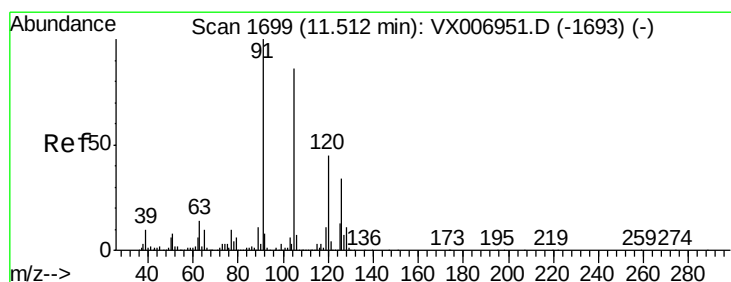
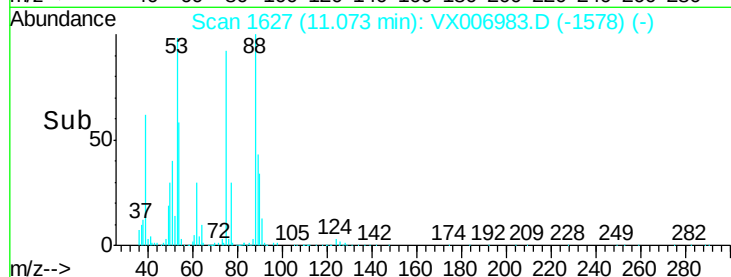
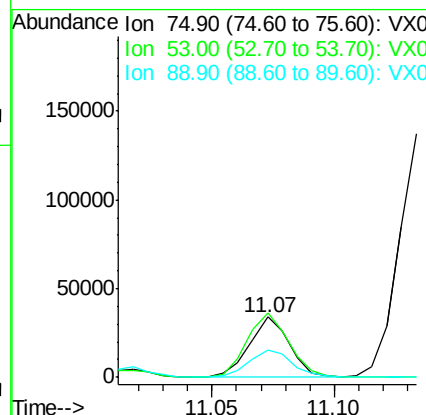
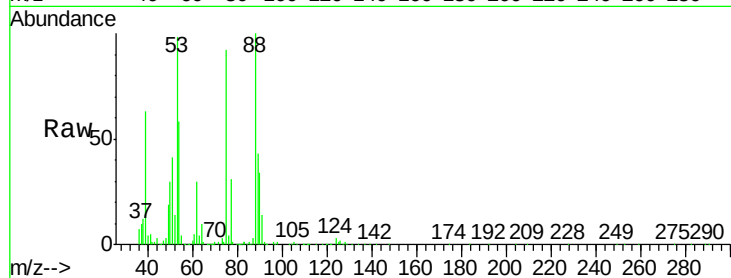
#81
trans-1,4-Dichloro-2-butene
Concen: 17.175 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.7	79.7	119.5
89	49.2	38.0	57.0

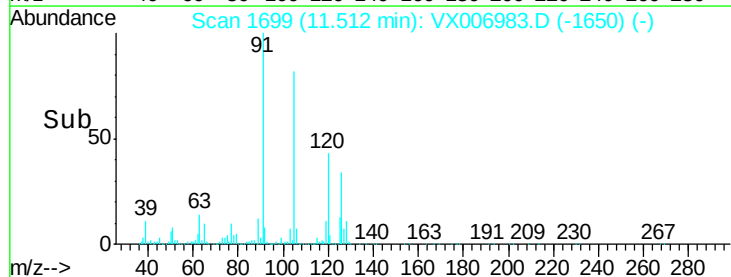
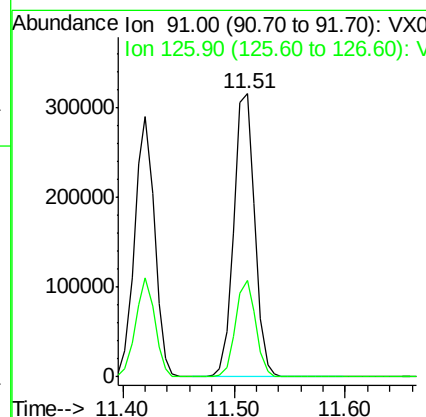
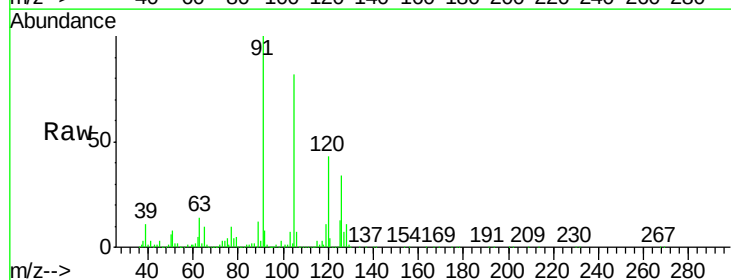
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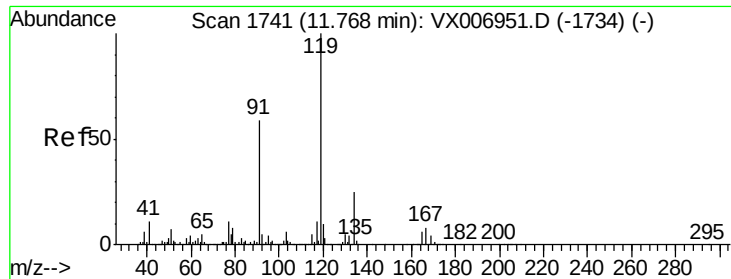
MMDadoda
1/11/2019 11:43:52 AM



#82
4-Chlorotoluene
Concen: 19.127 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.3	48.9





#83

tert-Butylbenzene

Concen: 18.950 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

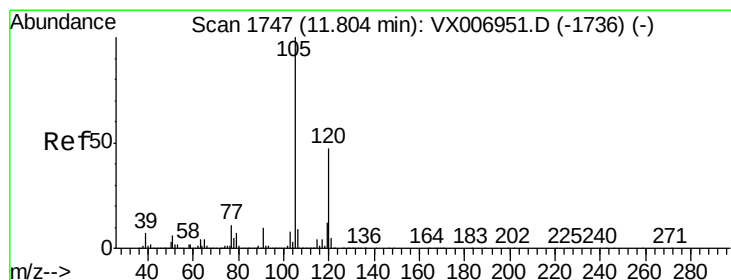
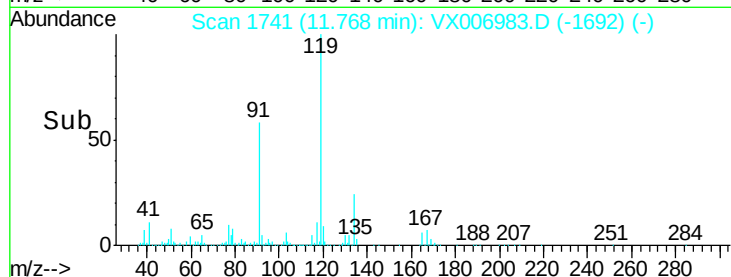
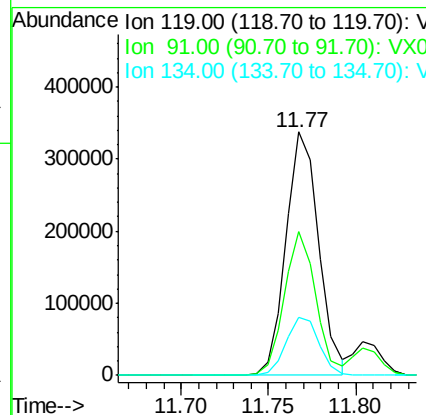
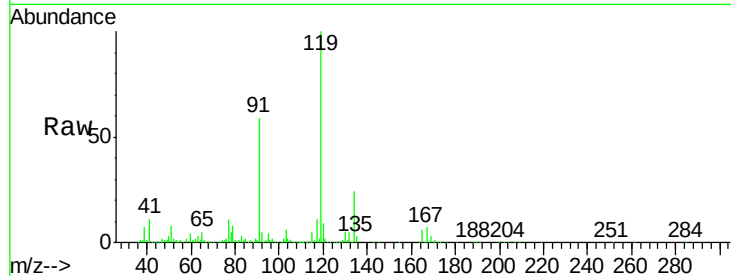
ClientSampled :

VX0110WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	27.7	83.1
134	24.2	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.515 ug/l

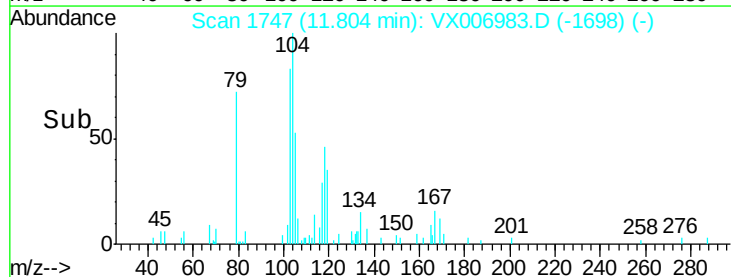
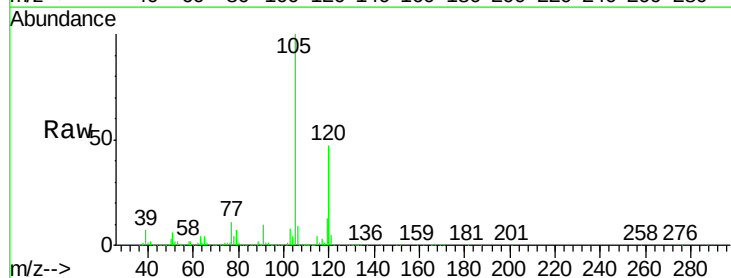
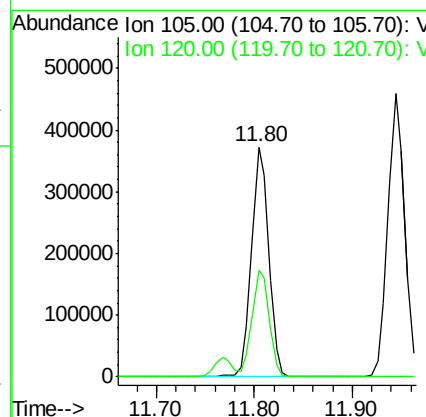
RT: 11.80 min Scan# 1747

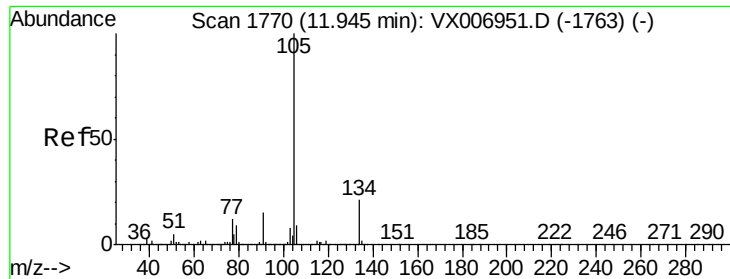
Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.723 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

ClientSampleID :

VX0110WBS01

Tot Ion:105 Resp: 547794

Ion Ratio Lower Upper

105 100

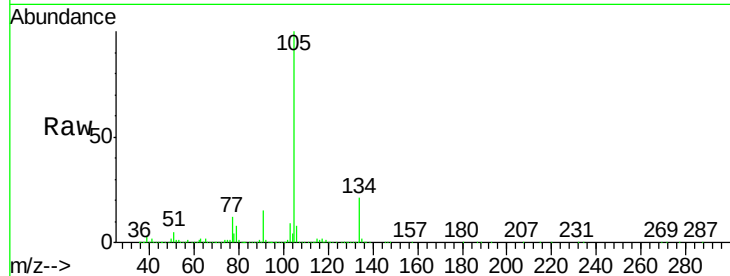
134 21.2 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

500000

400000

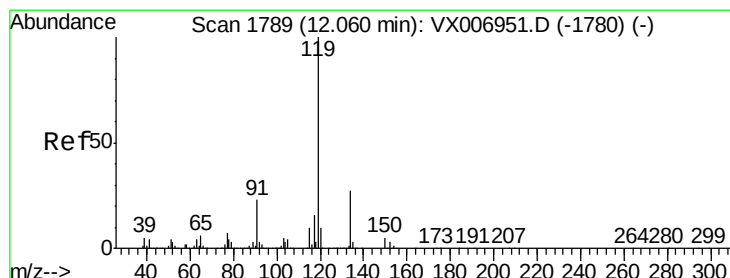
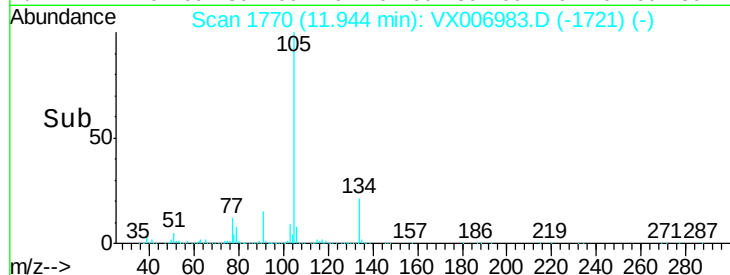
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.691 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

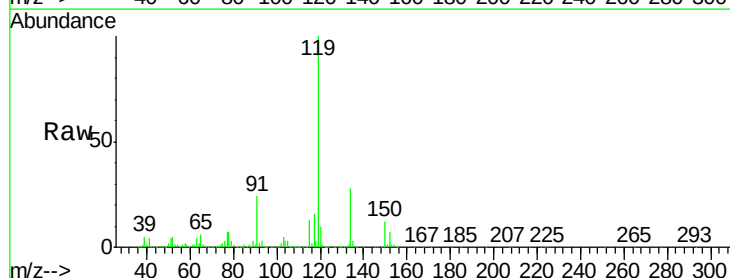
Tgt Ion:119 Resp: 489188

Ion Ratio Lower Upper

119 100

134 27.7 14.0 41.9

91 23.0 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

12.06

500000

400000

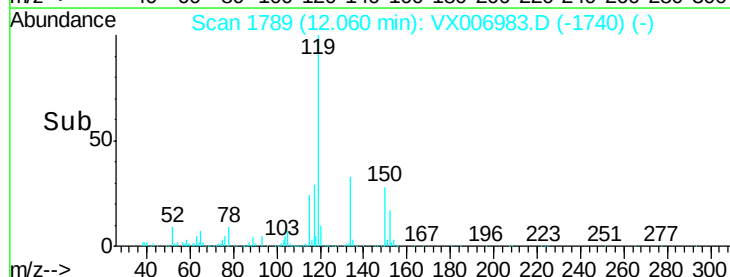
300000

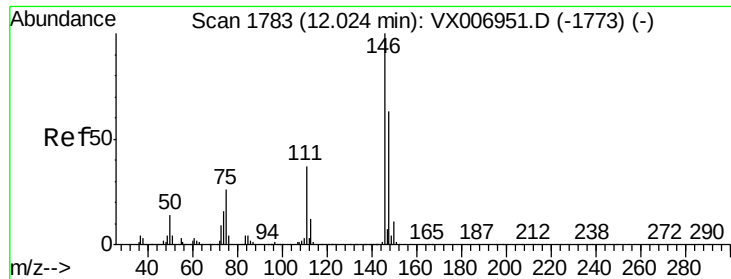
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.043 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006983.D

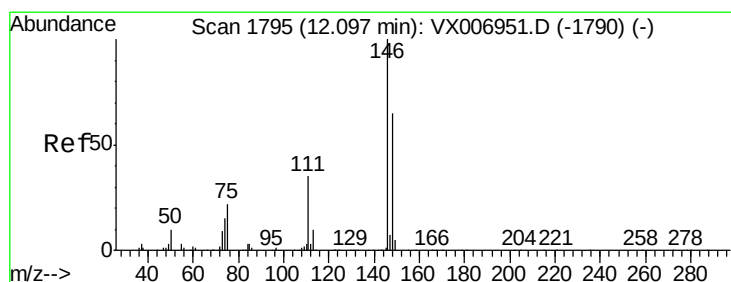
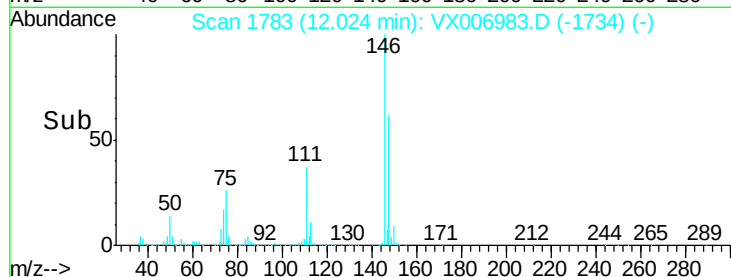
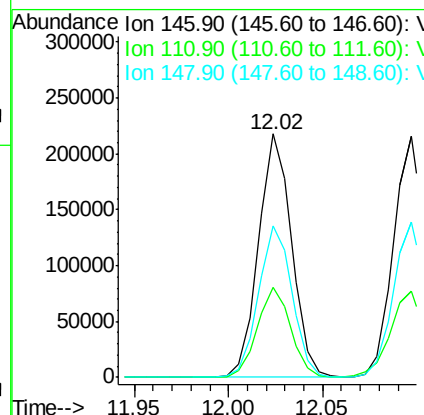
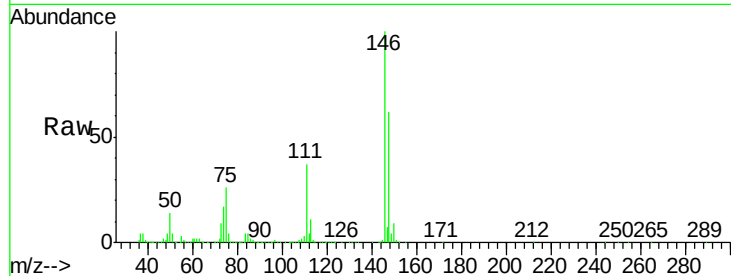
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0110WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	63.6	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 20.071 ug/l

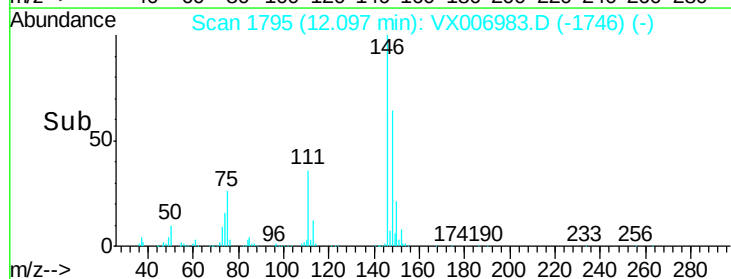
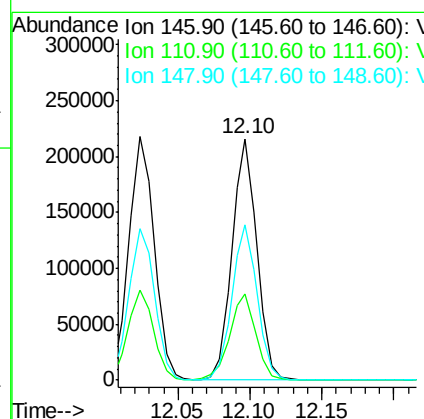
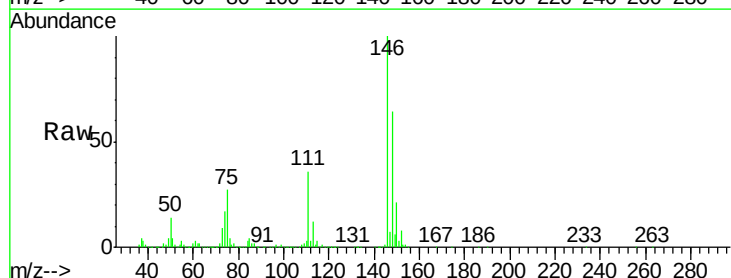
RT: 12.10 min Scan# 1795

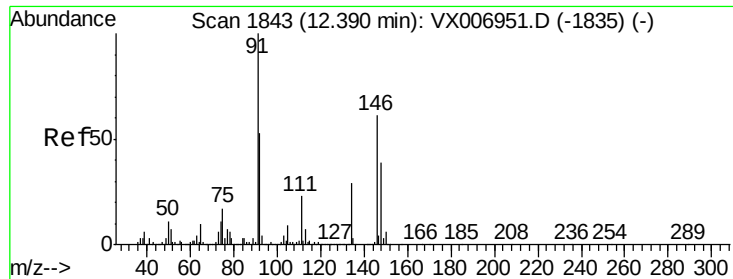
Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	65.6	31.9	95.9





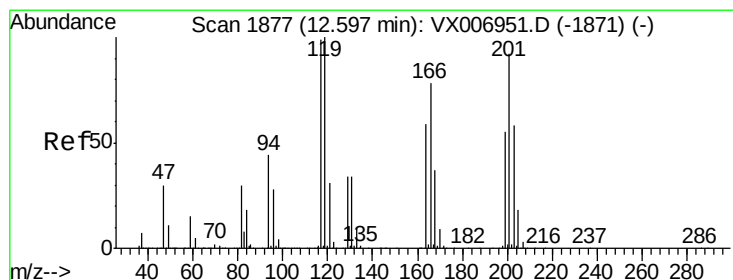
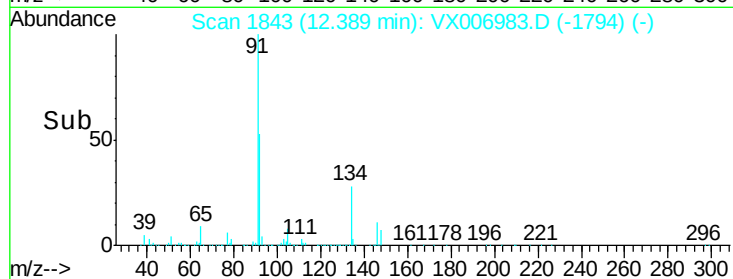
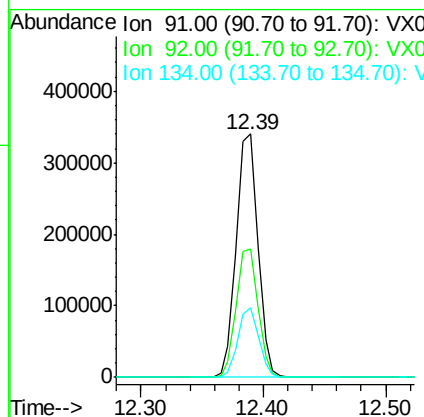
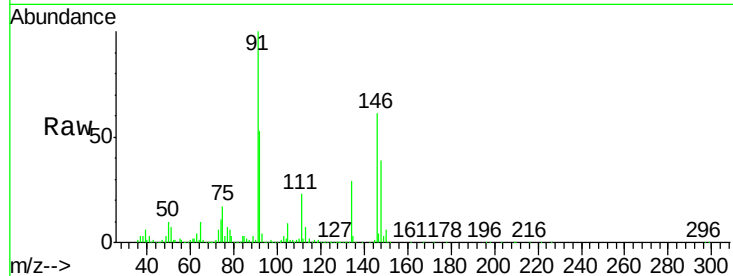
#89
n-Butylbenzene
Concen: 19.600 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0110WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	26.8	80.4	
134	27.7	14.4	43.2	

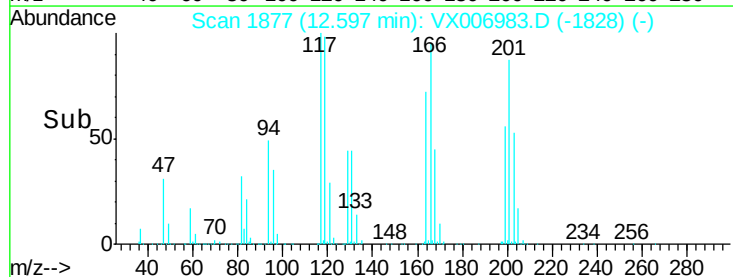
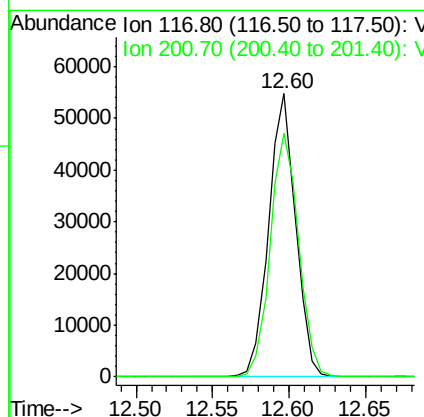
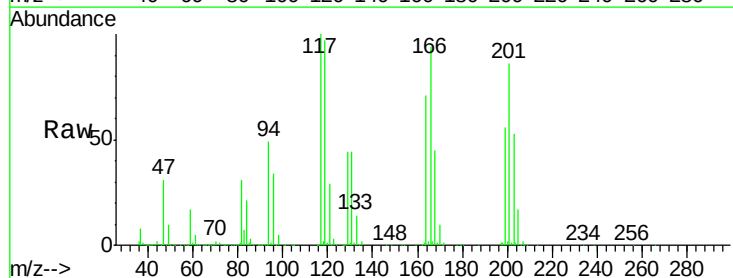
Manual Integrations
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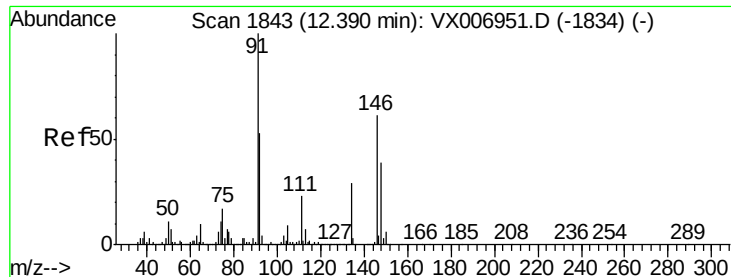
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#90
Hexachloroethane
Concen: 19.008 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006983.D
Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.0	42.9	128.7	





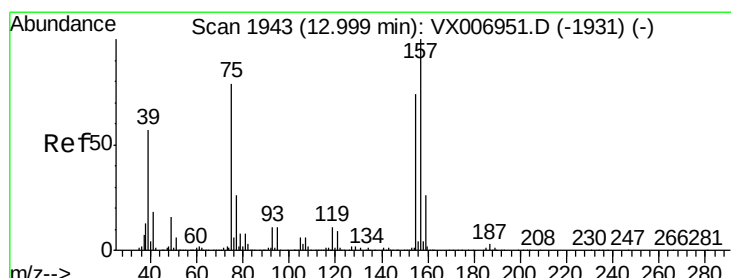
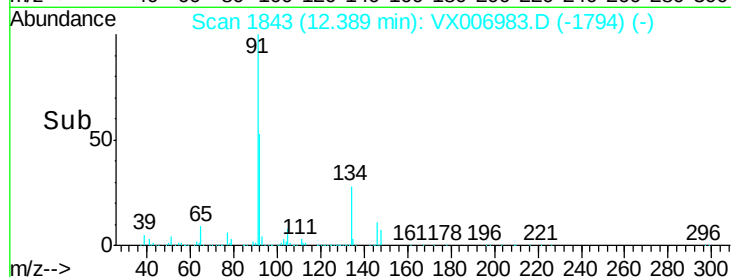
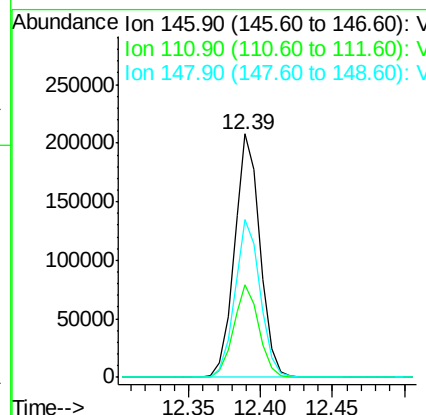
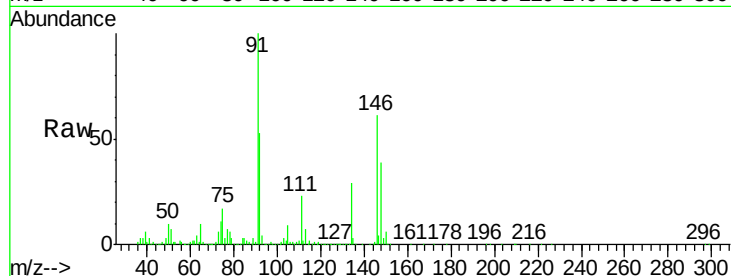
#91
 1,2-Dichlorobenzene
 Concen: 18.780 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006983.D
 Acq: 10 Jan 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	64.5	32.3	96.9

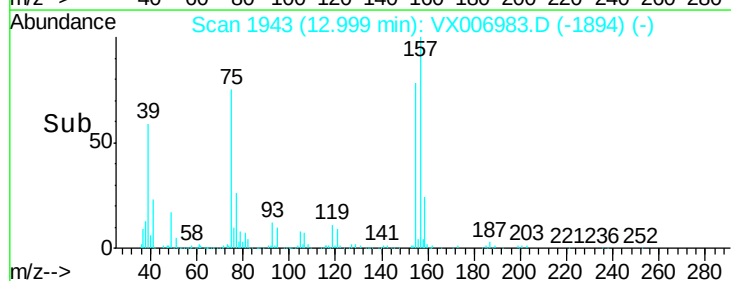
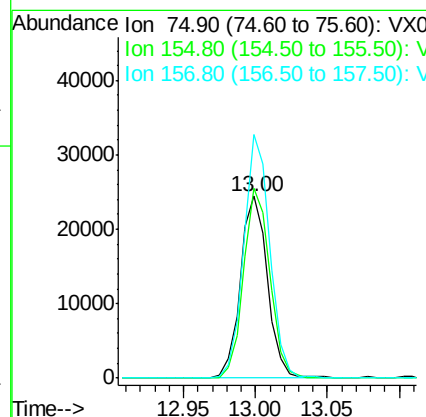
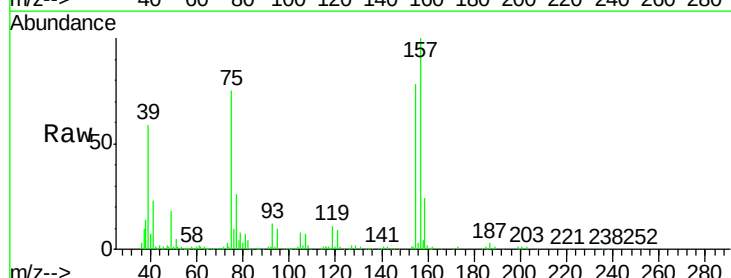
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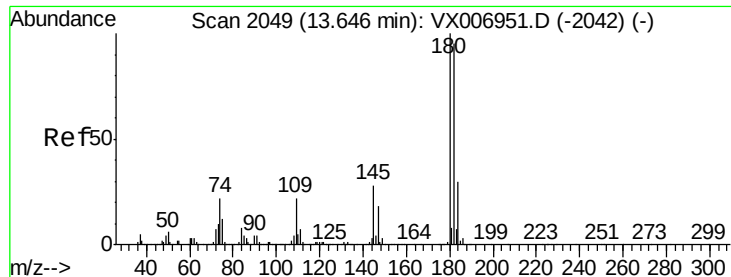
MMDadoda
 1/11/2019 11:43:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.207 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006983.D
 Acq: 10 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	50.6	151.8
157	128.4	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 18.804 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

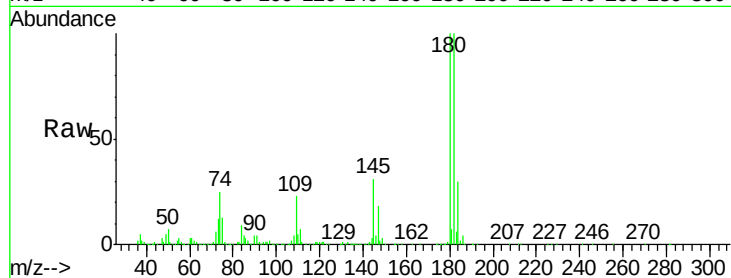
ClientSampleId :

VX0110WBS01

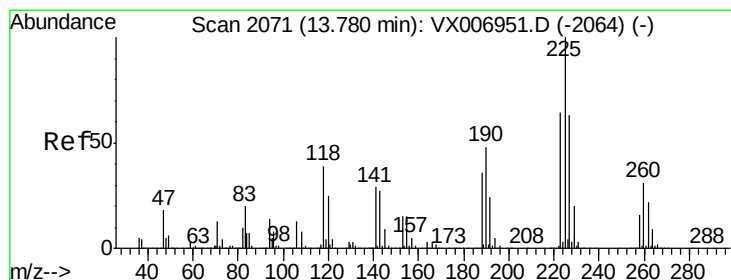
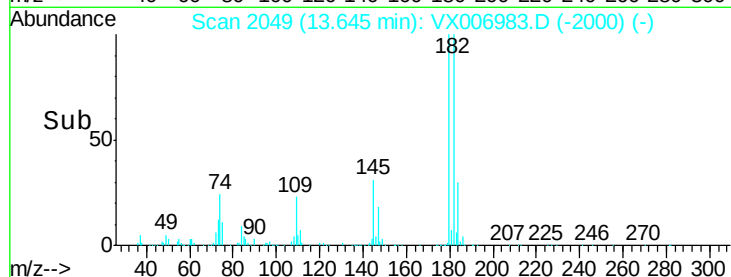
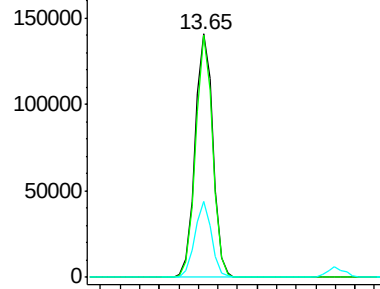
Tot Ion:	180	Resp:	176877
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.3	142.0
145	29.4	14.8	44.3

Manual Integrations
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1/11/2019 11:43:52 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: 19.478 ug/l

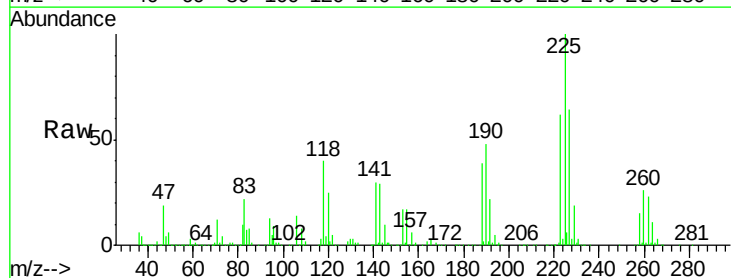
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

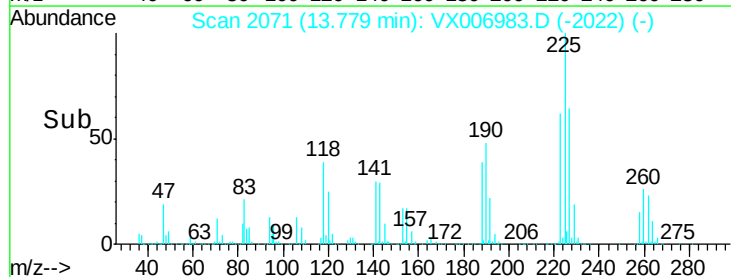
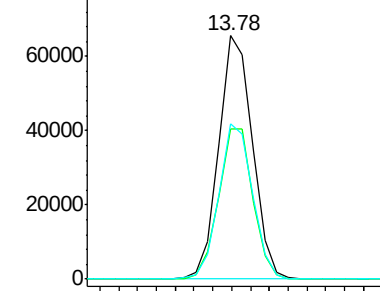
Lab File: VX006983.D

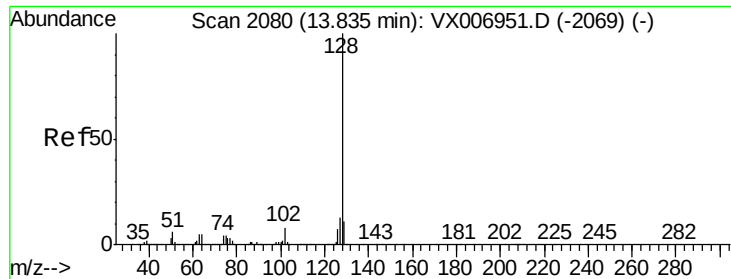
Acq: 10 Jan 2019 12:14

Tgt Ion:	225	Resp:	81305
Ion Ratio	Lower	Upper	
225	100		
223	63.0	32.1	96.3
227	63.8	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: 18.576 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Instrument :

MSVOA_X

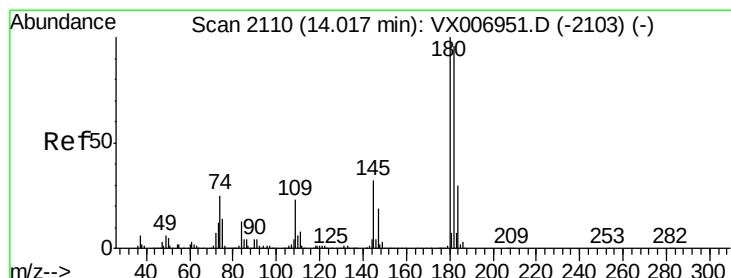
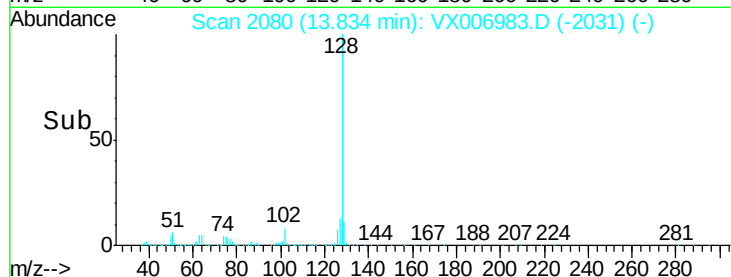
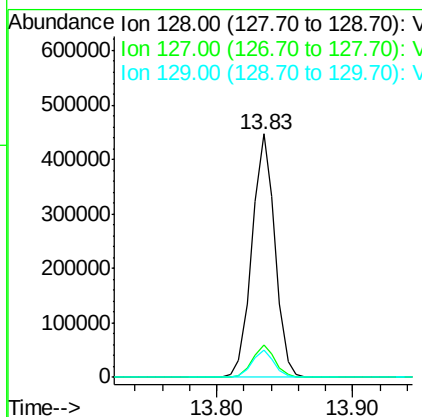
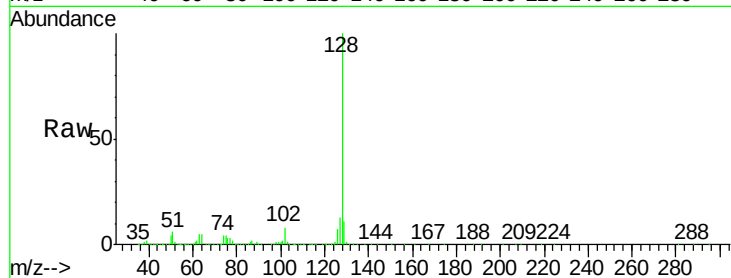
ClientSampled :

VX0110WBS01

Tot Ion:	128	Resp:	529479
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/11/2019 11:43:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.137 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006983.D

Acq: 10 Jan 2019 12:14

Tgt Ion:	180	Resp:	178818
Ion Ratio	Lower	Upper	
180	100		
182	93.3	48.5	145.5
145	29.6	16.0	47.9

