

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041319\
 Data File : VX008932.D
 Acq On : 13 Apr 2019 15:22
 Operator : JC/SP
 Sample : VX0413WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:55:37 PM

Quant Time: Apr 15 03:29:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	162113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	106570	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
35) Dibromofluoromethane	5.50	113	80307	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
50) Toluene-d8	8.71	98	312923	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	11.13	95	111977	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39857	21.359	ug/l	99
3) Chloromethane	1.32	50	46998	19.521	ug/l	96
4) Vinyl Chloride	1.41	62	46422	18.403	ug/l	99
5) Bromomethane	1.64	94	26203	22.177	ug/l	98
6) Chloroethane	1.72	64	28851	19.069	ug/l	99
7) Trichlorofluoromethane	1.93	101	55840	20.025	ug/l	97
8) Diethyl Ether	2.19	74	25592	19.353	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34606	19.276	ug/l	97
10) Methyl Iodide	2.51	142	34030	23.149	ug/l	98
11) Tert butyl alcohol	3.05	59	57491	103.856	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35212	18.788	ug/l	97
13) Acrolein	2.29	56	23601	85.983	ug/l	99
14) Allyl chloride	2.73	41	79961	18.637	ug/l	100
15) Acrylonitrile	3.14	53	141724	96.642	ug/l	100
16) Acetone	2.45	43	126173	92.646	ug/l	100
17) Carbon Disulfide	2.57	76	100837	18.161	ug/l	100
18) Methyl Acetate	2.78	43	65740	19.903	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	136491	20.393	ug/l	100
20) Methylene Chloride	2.85	84	40952	17.964	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	37970	18.730	ug/l	93
22) Diisopropyl ether	3.86	45	159722	19.315	ug/l	98
23) Vinyl Acetate	3.82	43	725494	100.849	ug/l	100
24) 1,1-Dichloroethane	3.70	63	78655	19.211	ug/l	99
25) 2-Butanone	4.68	43	211039	98.043	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53427	18.527	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	43961	18.861	ug/l	90
28) Bromochloromethane	5.02	49	34416	18.198	ug/l	98
29) Tetrahydrofuran	5.13	42	140074	98.045	ug/l	99
30) Chloroform	5.21	83	71716	19.611	ug/l	97
31) Cyclohexane	5.58	56	76801	18.799	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	59318	20.073	ug/l	99
36) 1,1-Dichloropropene	5.80	75	54065	18.480	ug/l	98
37) Ethyl Acetate	4.84	43	80164	20.528	ug/l	98
38) Carbon Tetrachloride	5.79	117	48502	20.030	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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 VX0413WBSD01

Manual Integrations
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Quant Time: Apr 15 03:29:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67648	18.718	ug/l	98
40) Benzene	6.14	78	169701	19.471	ug/l	99
41) Methacrylonitrile	5.04	41	44260	19.718	ug/l	99
42) 1,2-Dichloroethane	6.20	62	60218	19.272	ug/l	99
43) Isopropyl Acetate	6.45	43	124802	20.401	ug/l	100
44) Trichloroethene	7.21	130	40149	19.778	ug/l	95
45) 1,2-Dichloropropane	7.51	63	47757	19.197	ug/l	98
46) Dibromomethane	7.66	93	27065	18.758	ug/l	96
47) Bromodichloromethane	7.90	83	53468	19.654	ug/l	98
48) Methyl methacrylate	7.77	41	62823	20.302	ug/l	100
49) 1,4-Dioxane	7.74	88	20653	356.282	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	402785	102.283	ug/l	99
52) Toluene	8.79	92	100800	19.617	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	61333	20.127	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	68261	19.604	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	41572	20.155	ug/l	96
56) Ethyl methacrylate	9.18	69	74431	19.944	ug/l	99
57) 1,3-Dichloropropane	9.37	76	73588	19.869	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	171199	89.841	ug/l	98
59) 2-Hexanone	9.49	43	309568	101.154	ug/l	100
60) Dibromochloromethane	9.58	129	39183	20.160	ug/l	100
61) 1,2-Dibromoethane	9.67	107	42306	19.702	ug/l	98
64) Tetrachloroethene	9.34	164	35753	20.616	ug/l	98
65) Chlorobenzene	10.14	112	102187	19.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	37131	20.398	ug/l	98
67) Ethyl Benzene	10.25	91	189388	19.574	ug/l	97
68) m/p-Xylenes	10.36	106	136778	39.318	ug/l	97
69) o-Xylene	10.70	106	66434	19.706	ug/l	99
70) Styrene	10.71	104	114858	19.764	ug/l	100
71) Bromoform	10.85	173	28714	20.654	ug/l #	98
73) Isopropylbenzene	11.02	105	178805	20.051	ug/l	100
74) N-amyl acetate	10.90	43	108975	20.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	67597	19.932	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	56765m	19.204	ug/l	
77) Bromobenzene	11.26	156	43242	20.171	ug/l	96
78) n-propylbenzene	11.36	91	202259	19.480	ug/l	99
79) 2-Chlorotoluene	11.42	91	120089	19.112	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	150582	20.117	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	21549	20.095	ug/l	100
82) 4-Chlorotoluene	11.51	91	139414	19.168	ug/l	98
83) tert-Butylbenzene	11.77	119	146522	20.346	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	151388	19.974	ug/l	99
85) sec-Butylbenzene	11.94	105	171813	20.085	ug/l	99
86) p-Isopropyltoluene	12.06	119	155162	20.209	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75494	19.671	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75635	19.462	ug/l	100
89) n-Butylbenzene	12.38	91	143110	19.876	ug/l	99
90) Hexachloroethane	12.60	117	25444	19.981	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	74829	19.638	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15108	20.251	ug/l	98

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

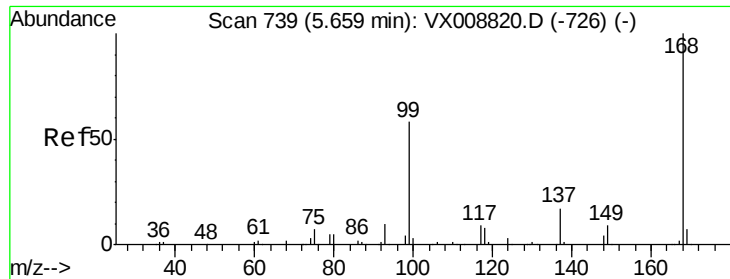
Manual Integrations
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Quant Time: Apr 15 03:29:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	53160	20.065	ug/l	98
94) Hexachlorobutadiene	13.78	225	26051	20.503	ug/l	98
95) Naphthalene	13.83	128	183246	20.695	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53144	20.076	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion:168 Resp: 162113

Ion Ratio Lower Upper

168 100

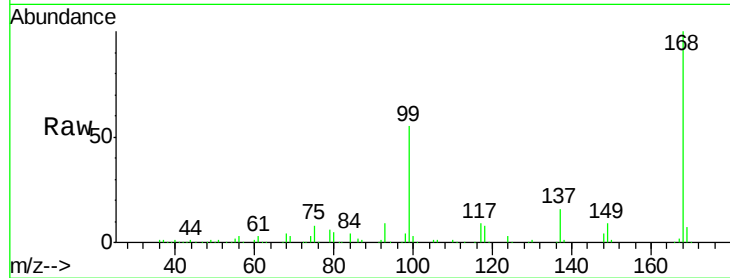
99 55.0 46.7 70.1

Manual Integrations

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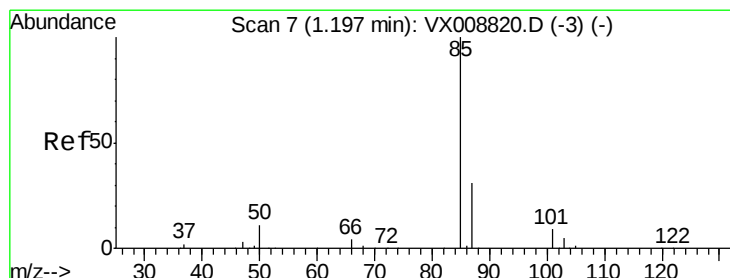
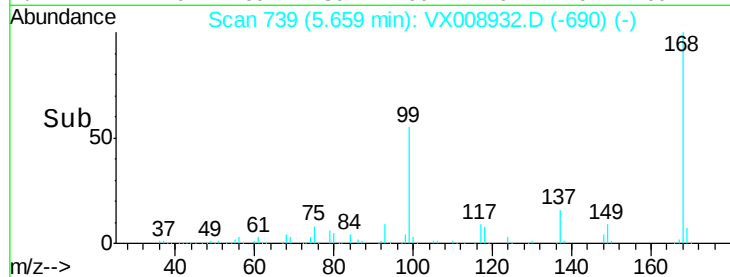
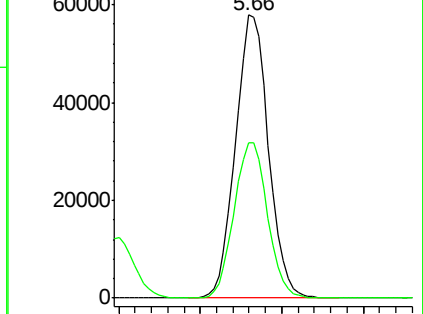
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.359 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008932.D

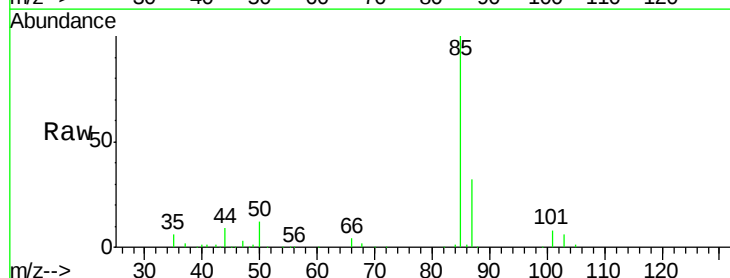
Acq: 13 Apr 2019 15:22

Tgt Ion: 85 Resp: 39857

Ion Ratio Lower Upper

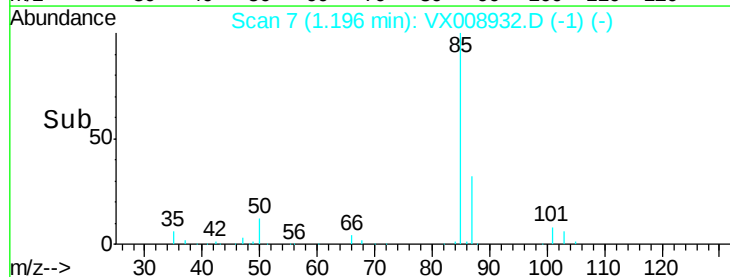
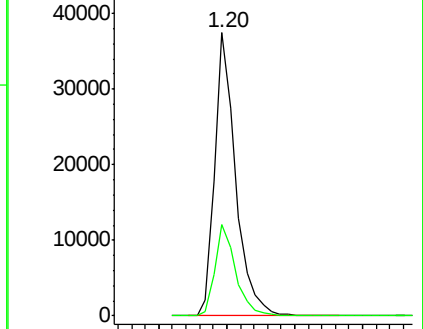
85 100

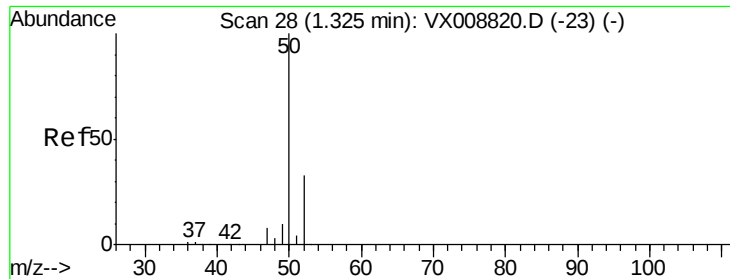
87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.521 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 50 Resp: 46998

Ion Ratio Lower Upper

50 100

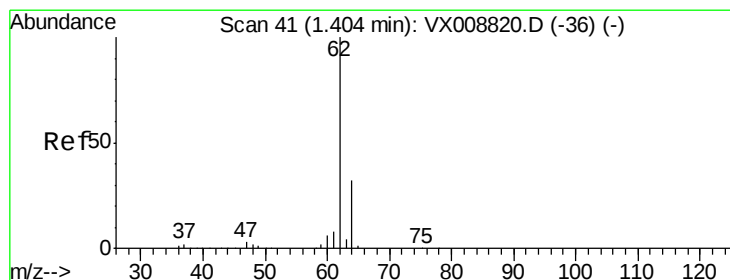
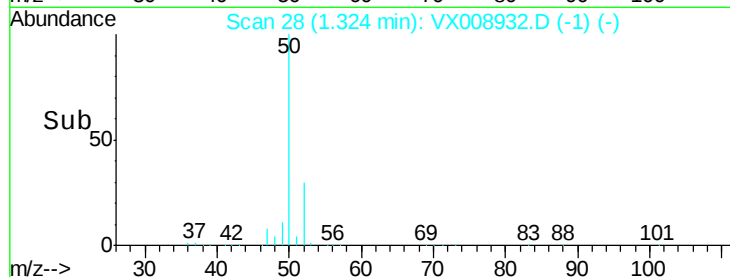
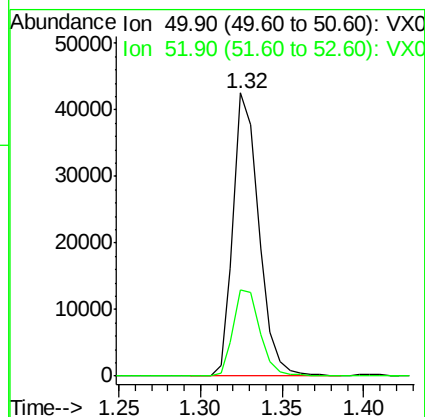
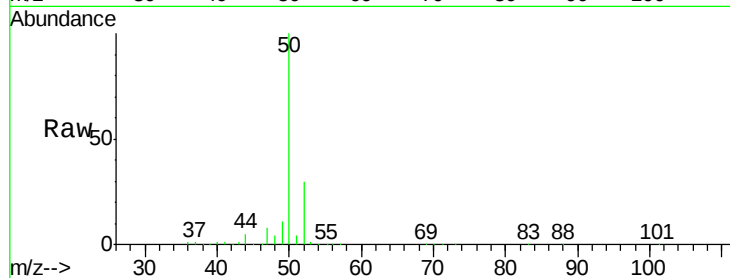
52 30.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.403 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008932.D

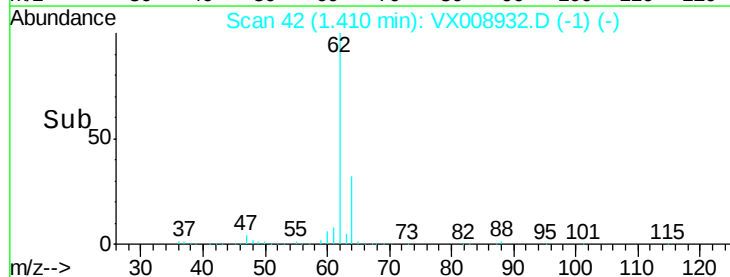
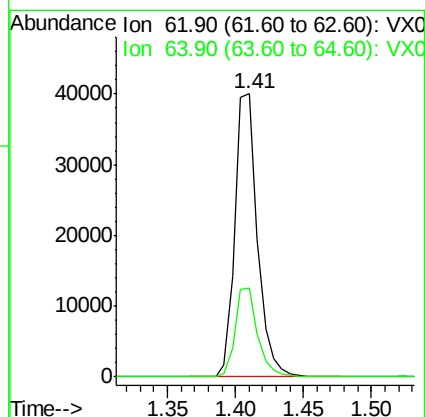
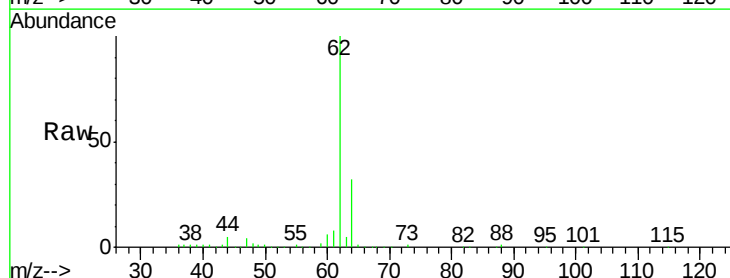
Acq: 13 Apr 2019 15:22

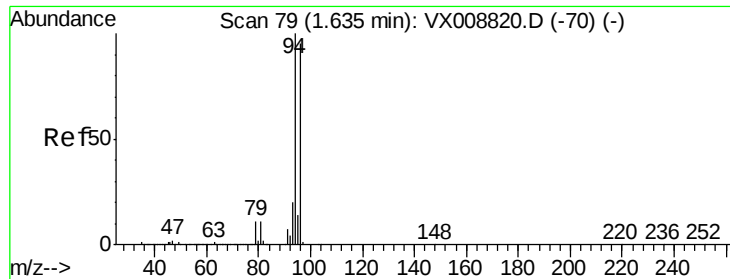
Tgt Ion: 62 Resp: 46422

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 22.177 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 94 Resp: 26203

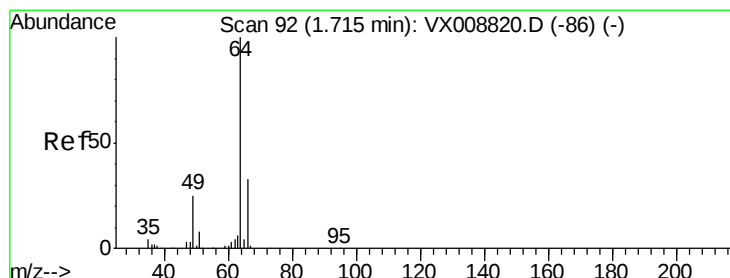
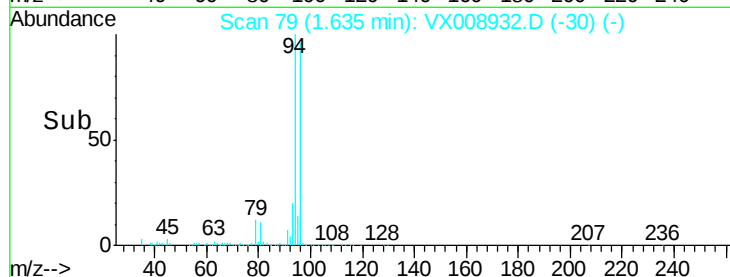
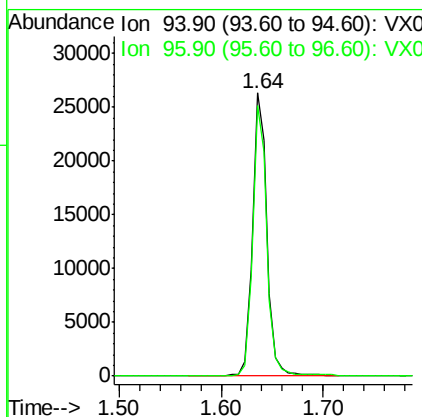
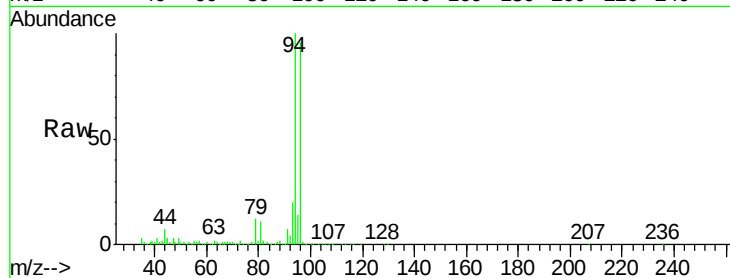
Ion Ratio Lower Upper

94 100

96 95.7 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 19.069 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008932.D

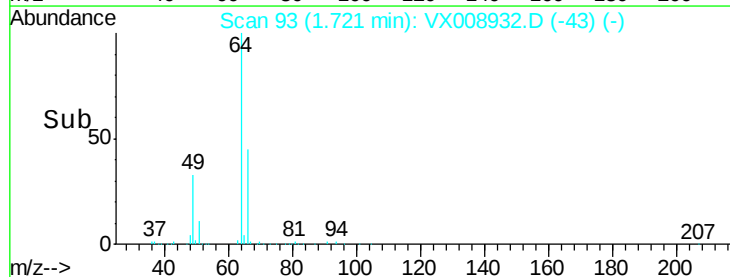
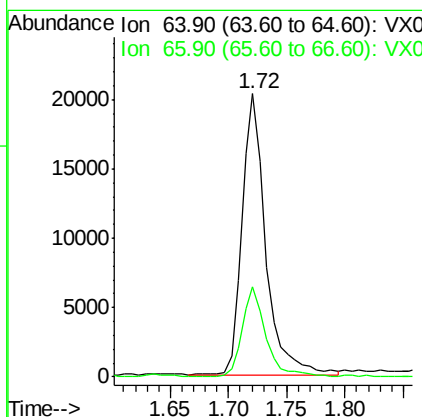
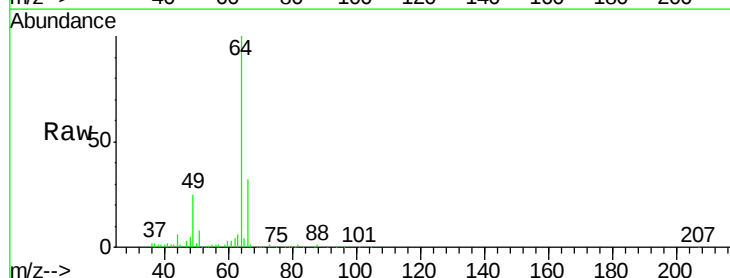
Acq: 13 Apr 2019 15:22

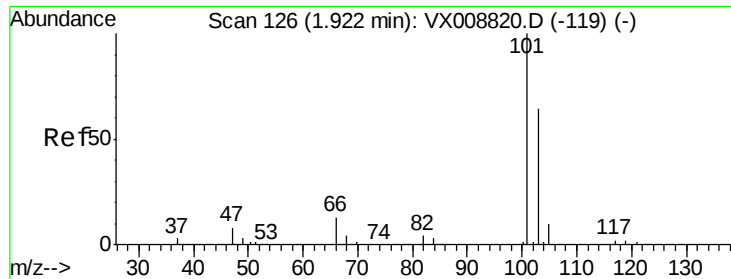
Tgt Ion: 64 Resp: 28851

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.0





#7

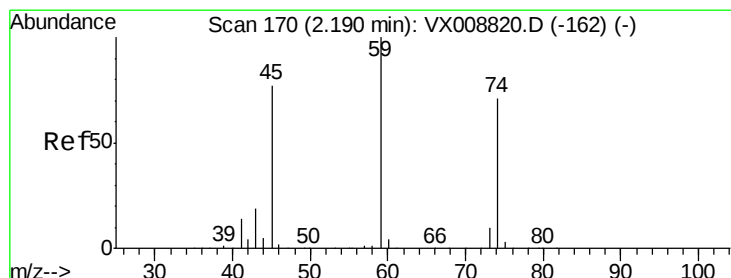
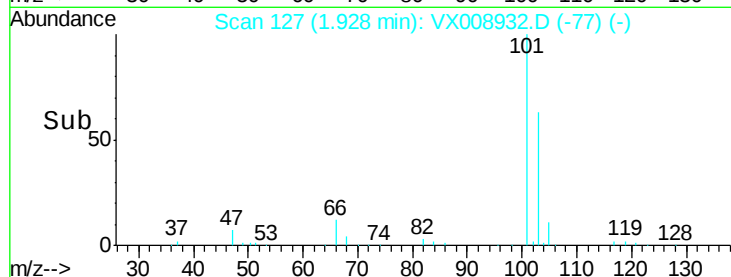
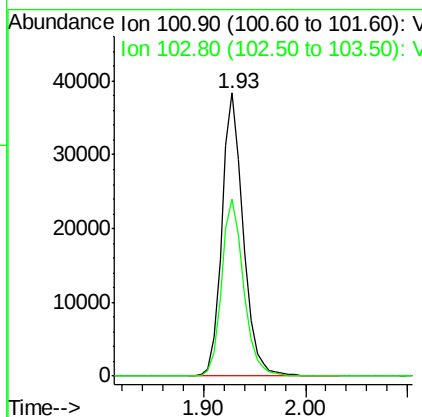
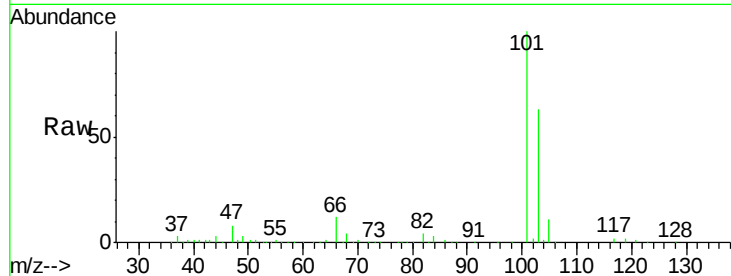
Trichlorofluoromethane
Concen: 20.025 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion:101 Resp: 55840
Ion Ratio Lower Upper
101 100
103 62.6 52.3 78.5

Manual Integrations
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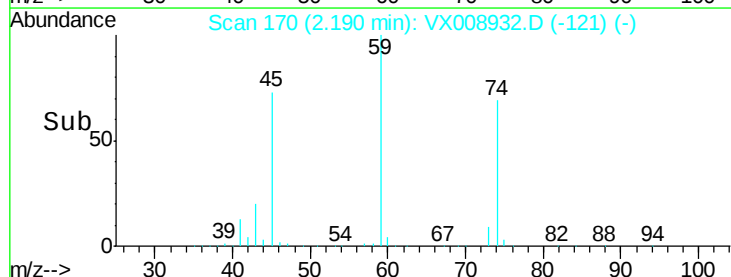
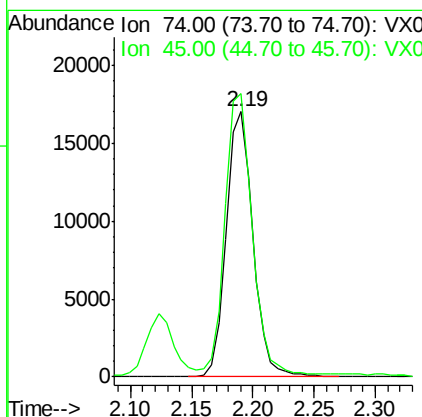
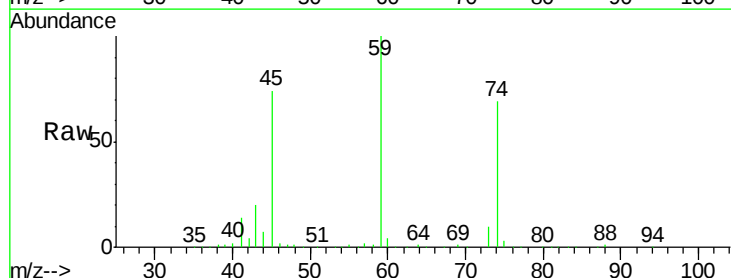
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4/15/2019 12:55:37 PM

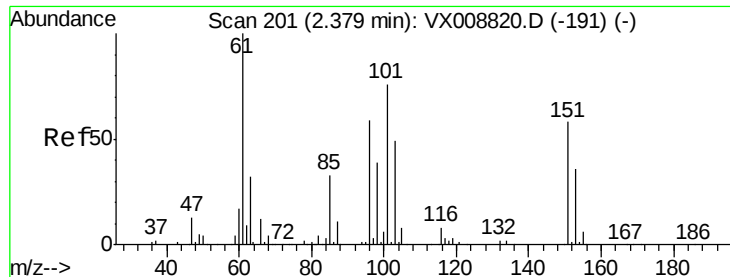


#8

Diethyl Ether
Concen: 19.353 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion: 74 Resp: 25592
Ion Ratio Lower Upper
74 100
45 107.4 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.276 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

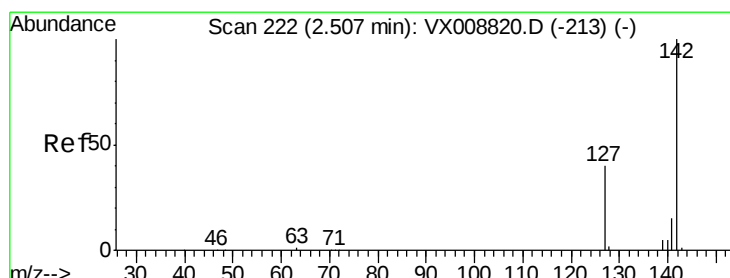
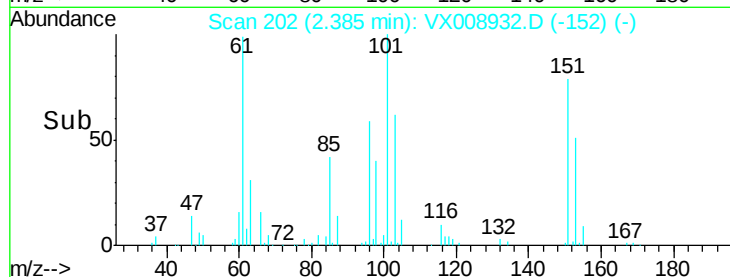
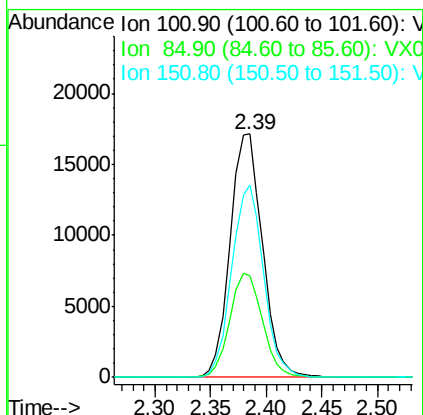
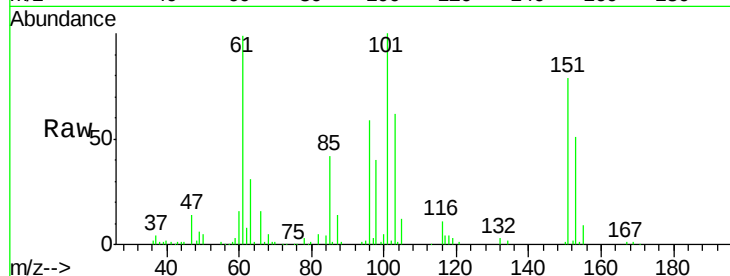
ClientSampleId :

VX0413WBSD01

Tot Ion:	101	Resp:	34606
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.0	54.0
151	77.5	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 23.149 ug/l

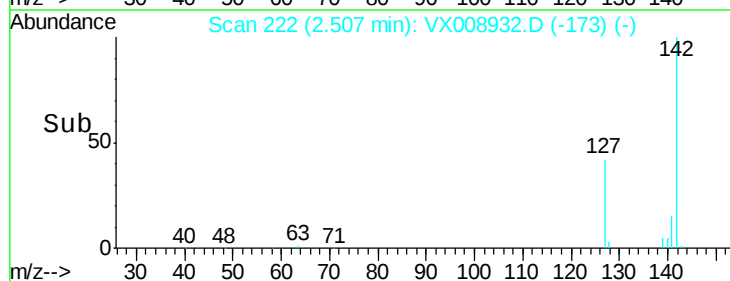
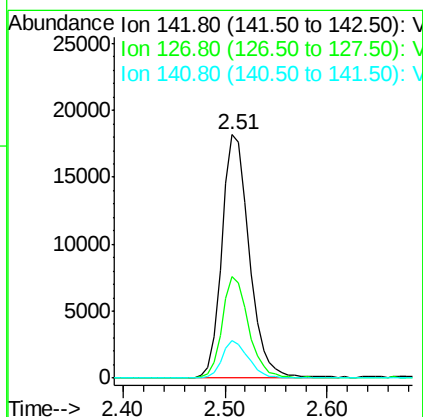
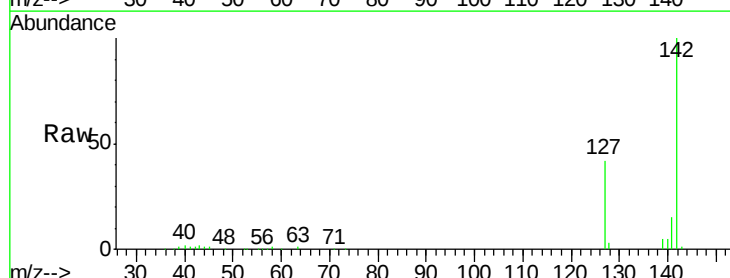
RT: 2.51 min Scan# 222

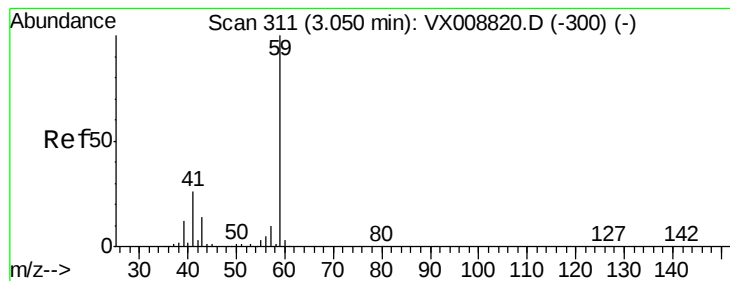
Delta R.T. 0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	142	Resp:	34030
Ion Ratio	Lower	Upper	
142	100		
127	40.1	33.0	49.6
141	14.6	11.4	17.2





#11

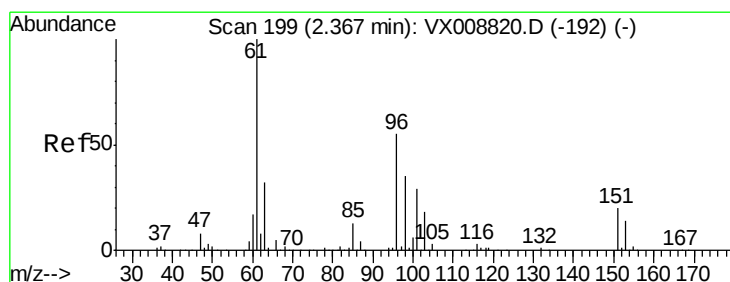
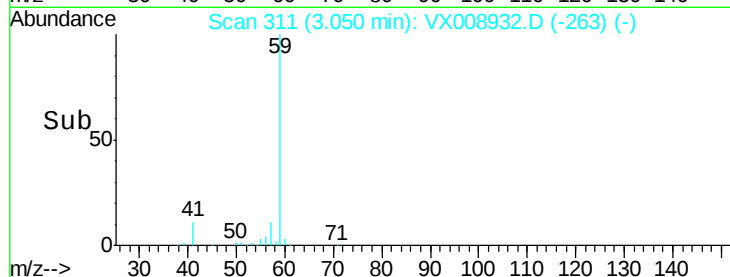
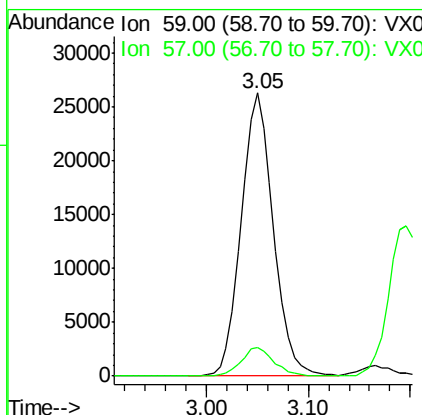
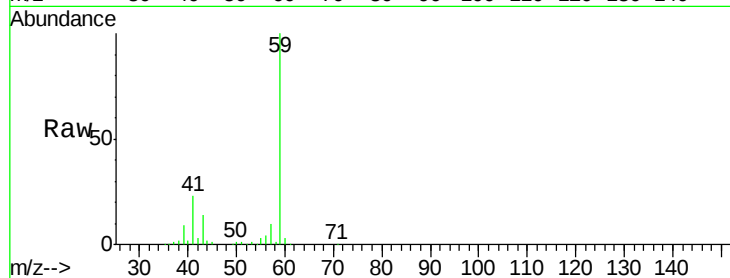
Tert butyl alcohol
 Concen: 103.856 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
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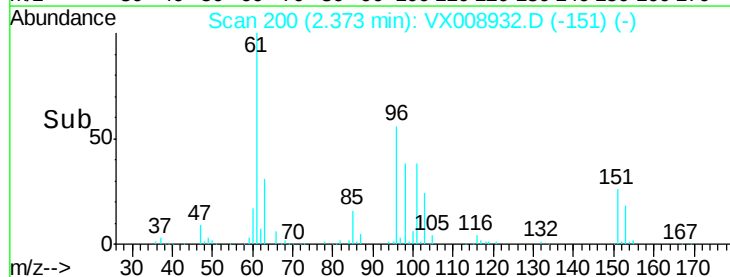
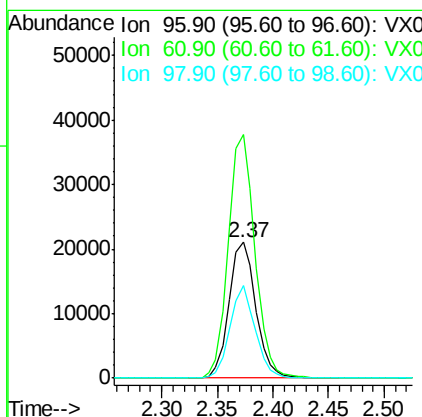
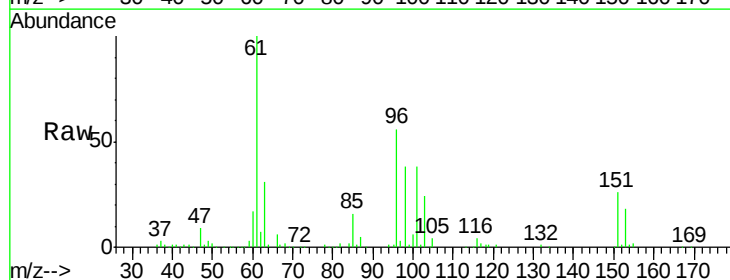
MMDadoda
 4/15/2019 12:55:37 PM

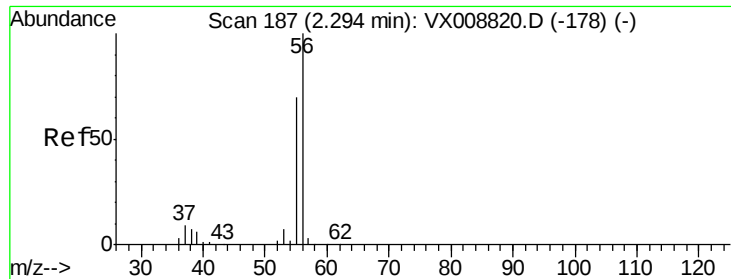


#12

1,1-Dichloroethene
 Concen: 18.788 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.1	140.9	211.3
98	68.3	52.1	78.1





#13

Acrolein

Concen: 85.983 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 56 Resp: 23601

Ion Ratio Lower Upper

56 100

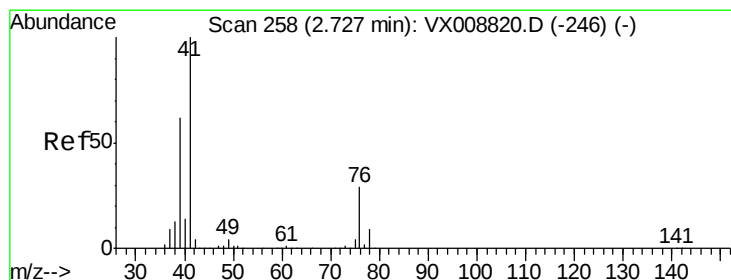
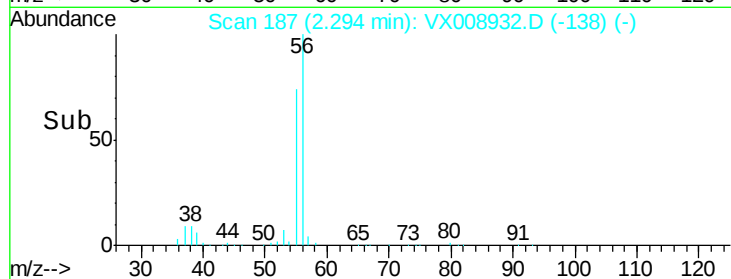
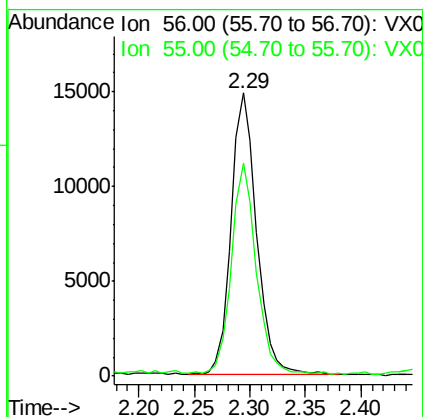
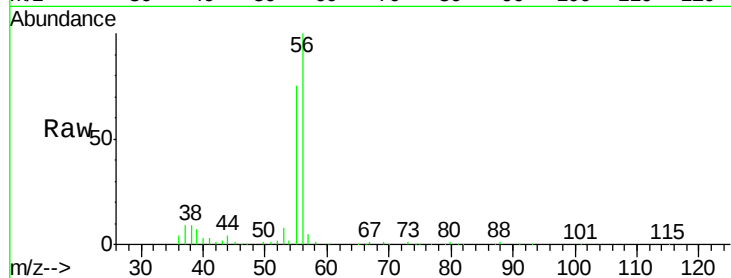
55 72.0 58.0 87.0

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 18.637 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

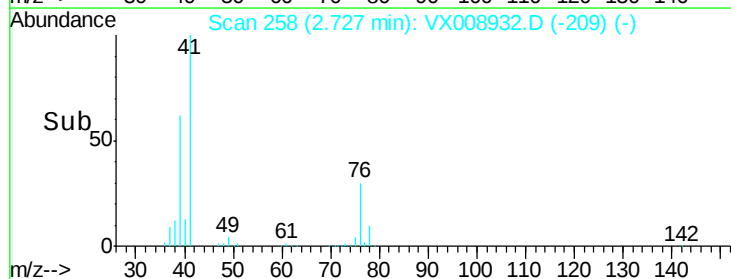
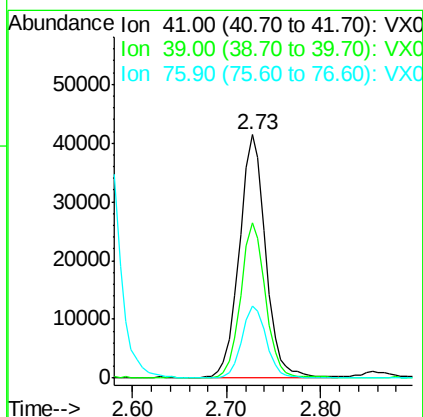
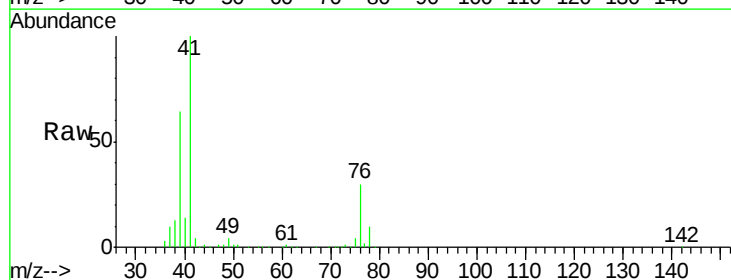
Tgt Ion: 41 Resp: 79961

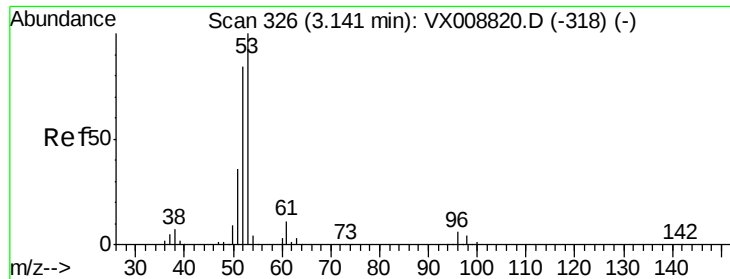
Ion Ratio Lower Upper

41 100

39 60.0 48.0 72.0

76 28.0 22.0 33.0





#15

Acrylonitrile

Concen: 96.642 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

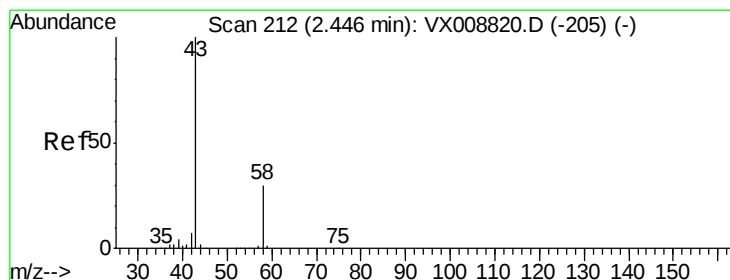
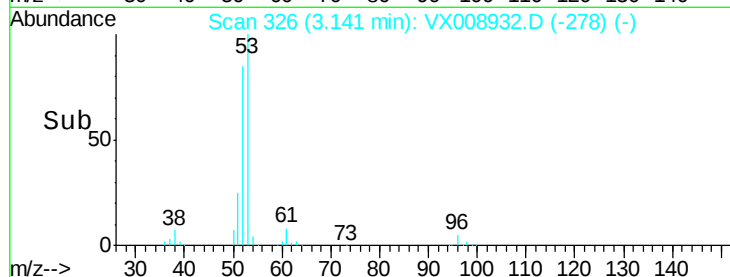
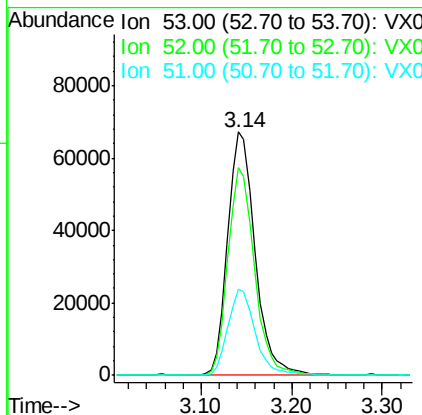
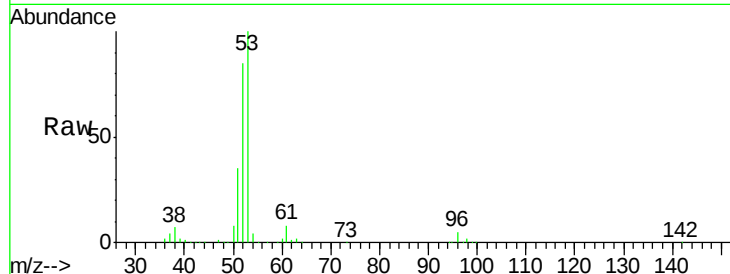
ClientSampleId :

VX0413WBSD01

Tot Ion:	53	Resp:	141724
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	35.6	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 92.646 ug/l

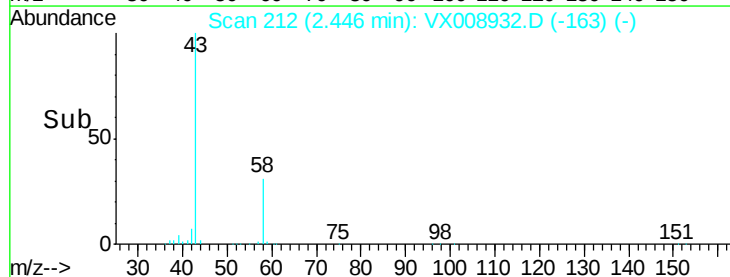
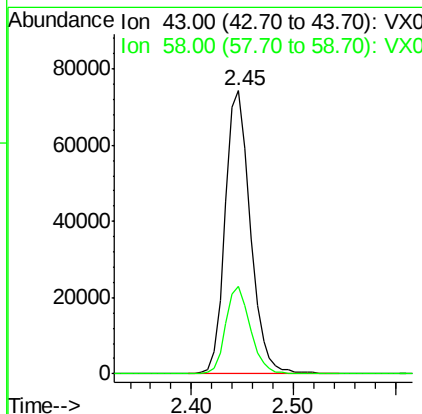
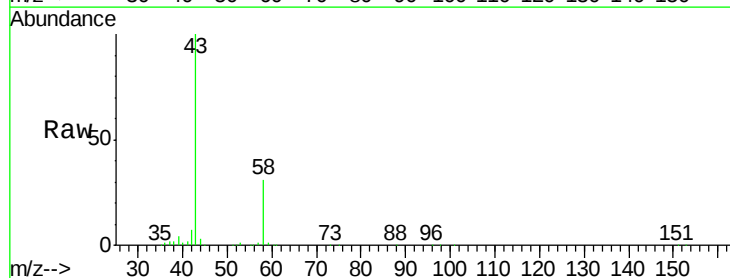
RT: 2.45 min Scan# 212

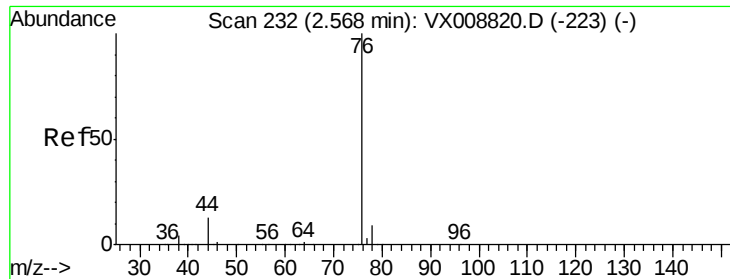
Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	43	Resp:	126173
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2





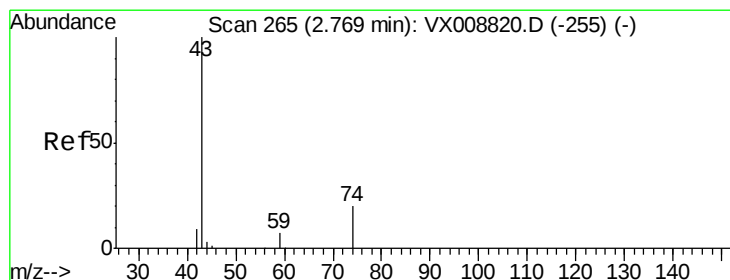
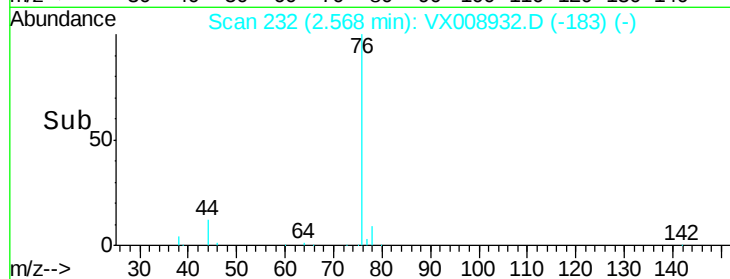
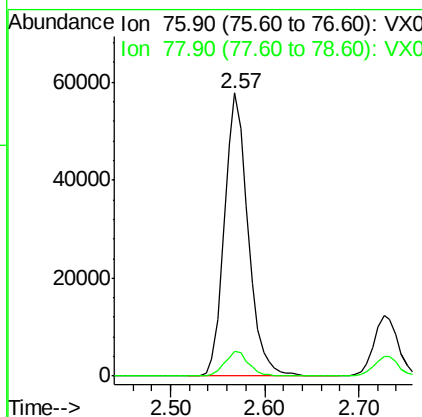
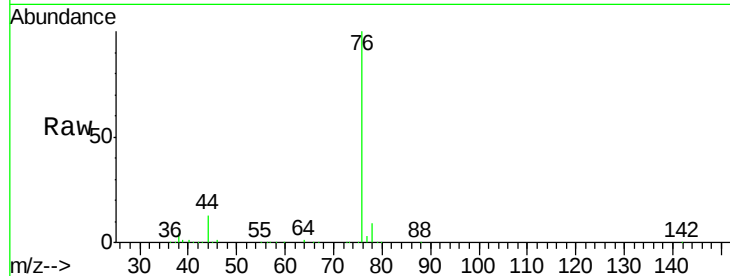
#17
Carbon Disulfide
Concen: 18.161 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

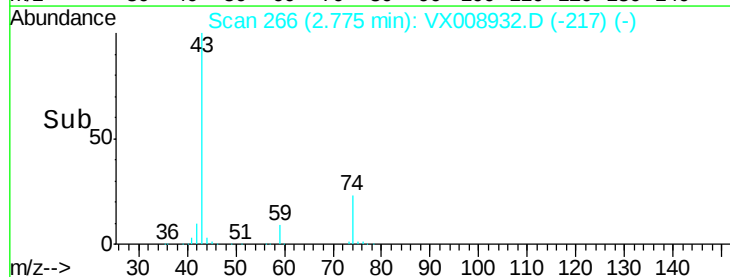
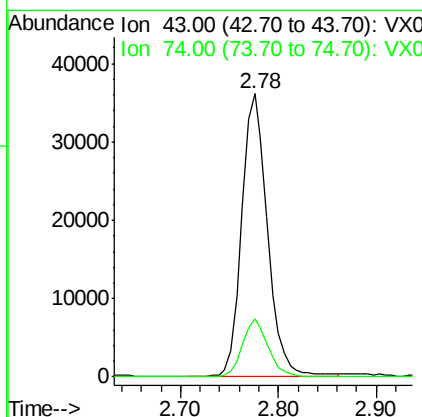
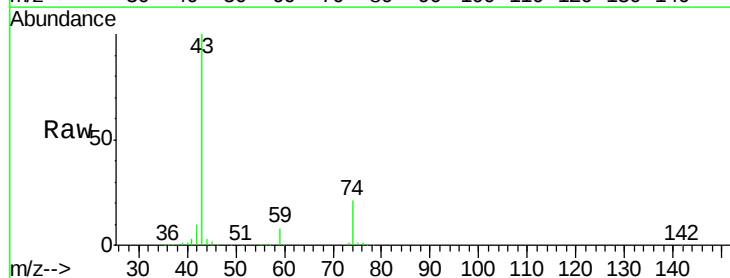
Manual Integrations
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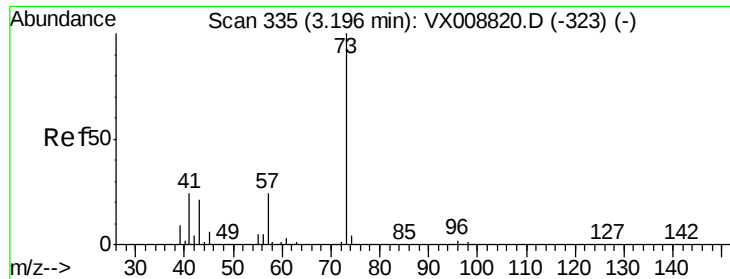
MMDadoda
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#18
Methyl Acetate
Concen: 19.903 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.5	24.7





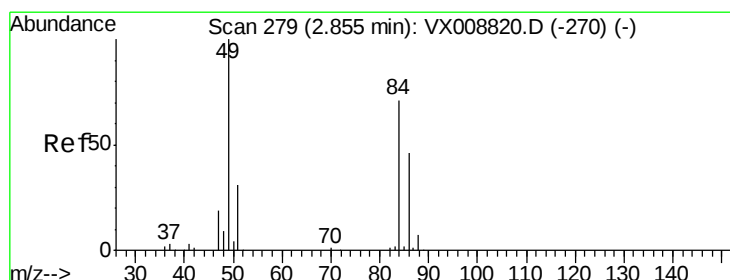
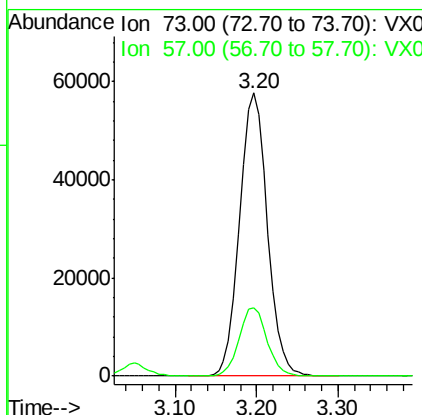
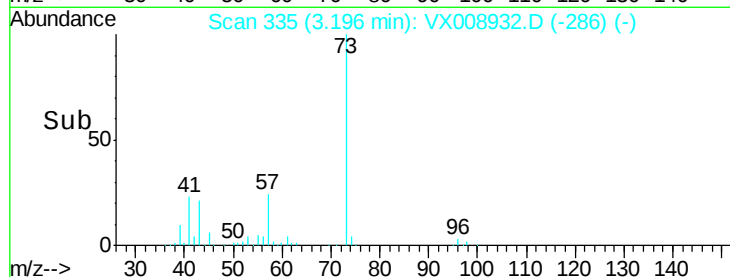
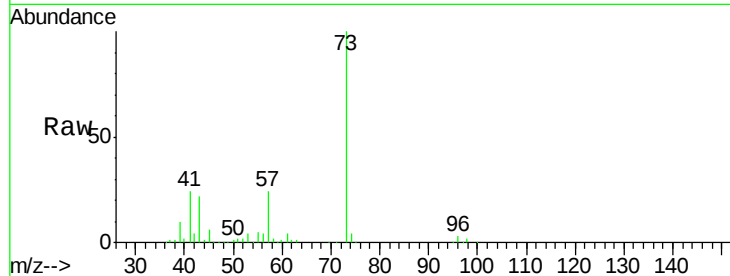
#19
Methyl tert-butyl Ether
Concen: 20.393 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	73	Resp	136491
Ion Ratio	Lower	Upper	
73	100		
57	24.2	19.5	29.3

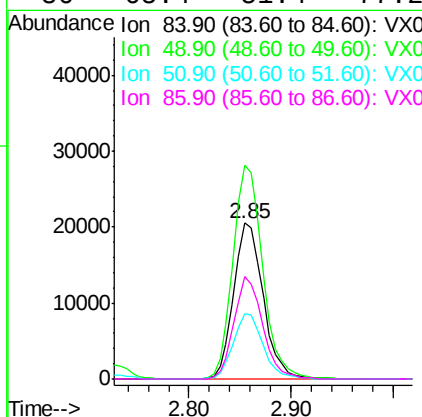
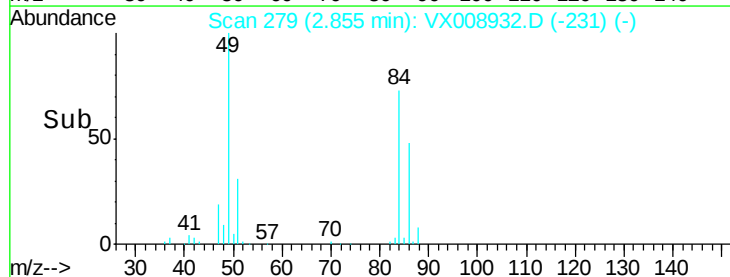
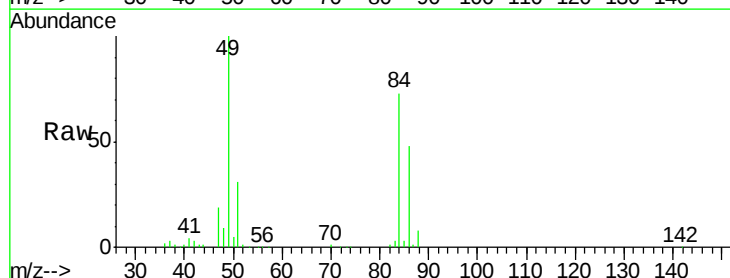
Manual Integrations
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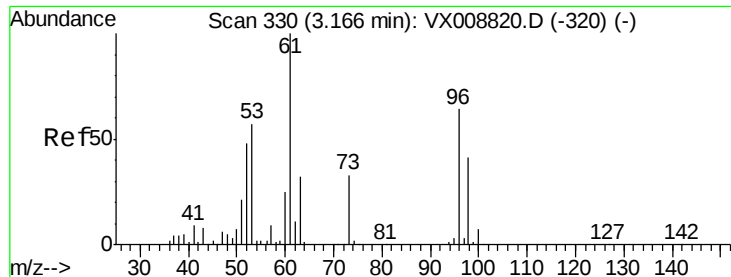
MMDadoda
4/15/2019 12:55:37 PM



#20
Methylene Chloride
Concen: 17.964 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	84	Resp	40952
Ion Ratio	Lower	Upper	
84	100		
49	136.8	109.7	164.5
51	42.2	33.6	50.4
86	65.4	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 18.730 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 96 Resp: 37970

Ion Ratio Lower Upper

96 100

61 154.5 132.1 198.1

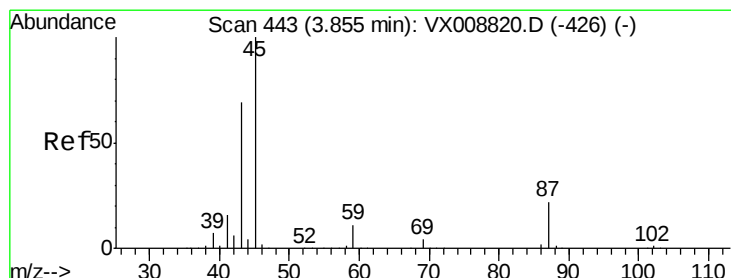
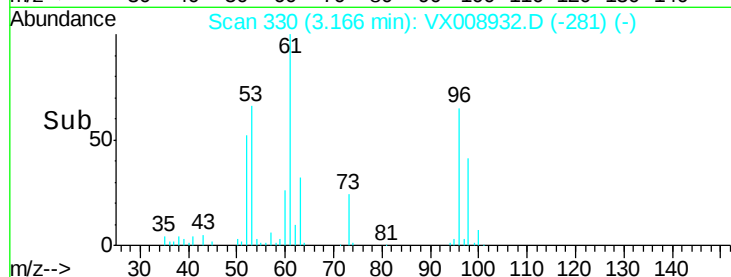
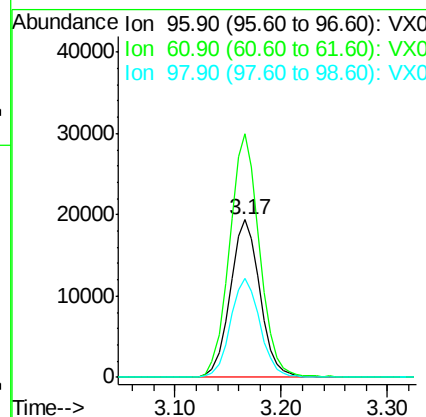
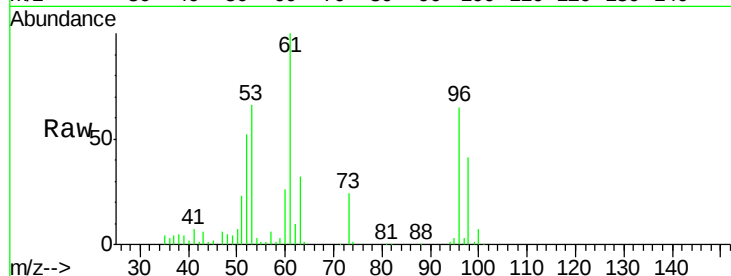
98 62.7 52.2 78.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.315 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion: 45 Resp: 159722

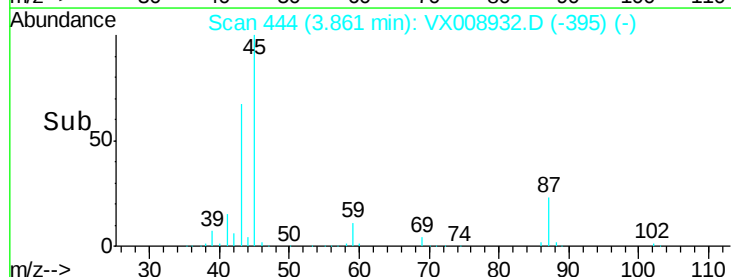
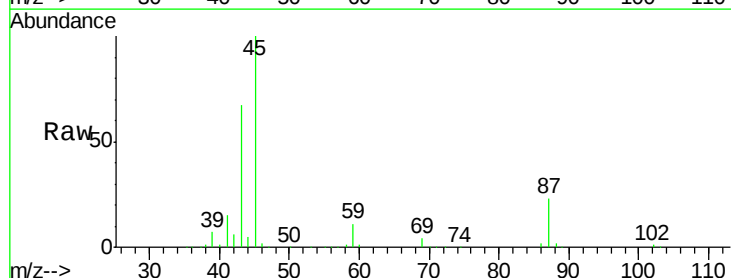
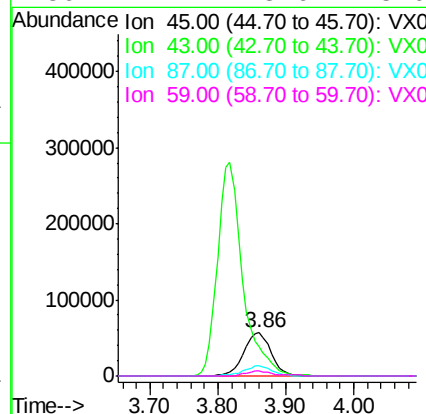
Ion Ratio Lower Upper

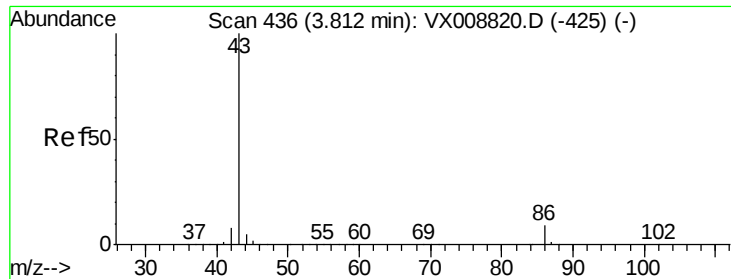
45 100

43 66.8 51.3 76.9

87 22.6 18.1 27.1

59 11.4 8.6 13.0





#23

Vinyl Acetate

Concen: 100.849 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 43 Resp: 725494

Ion Ratio Lower Upper

43 100

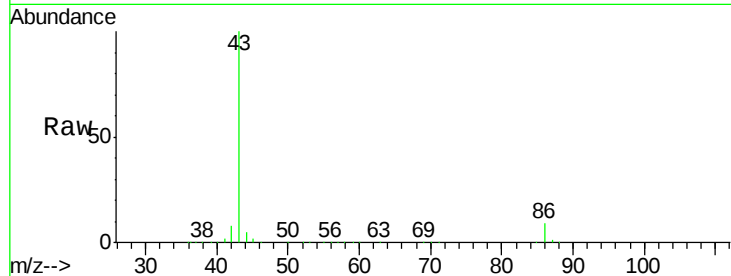
86 8.7 7.0 10.6

Manual Integrations

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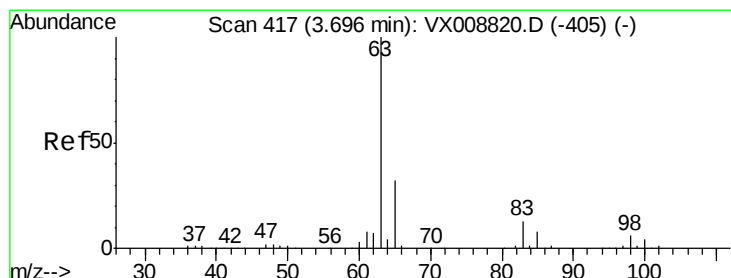
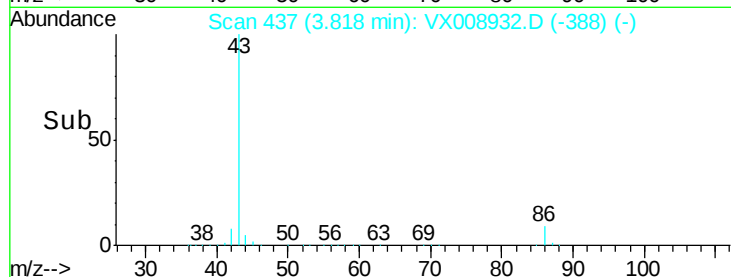
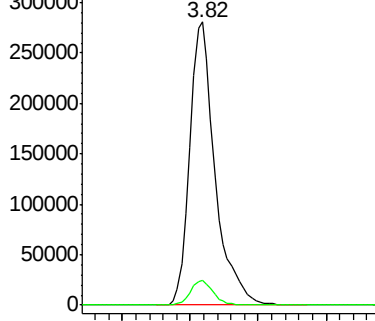
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.211 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

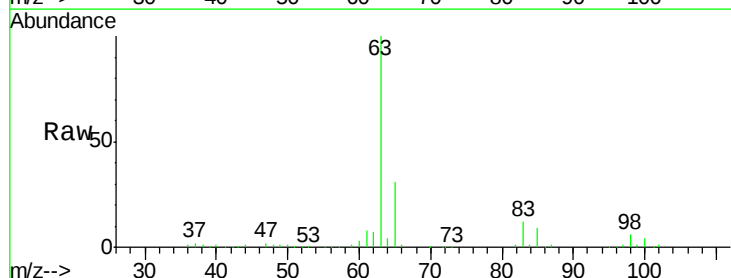
Tgt Ion: 63 Resp: 78655

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

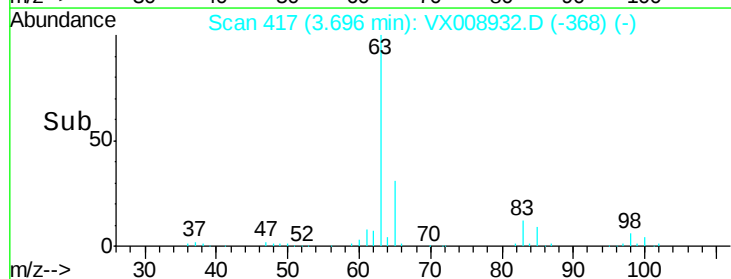
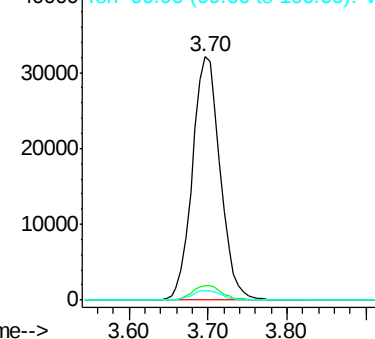
100 3.9 1.8 5.5

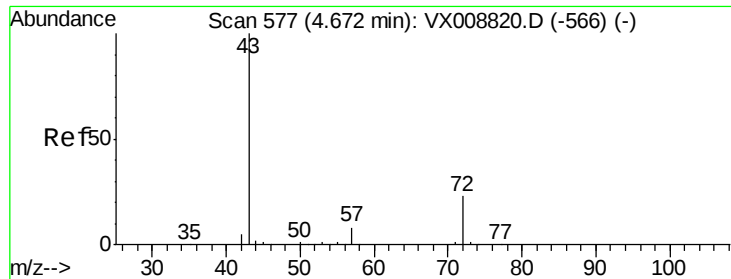


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.043 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 43 Resp: 211039

Ion Ratio Lower Upper

43 100

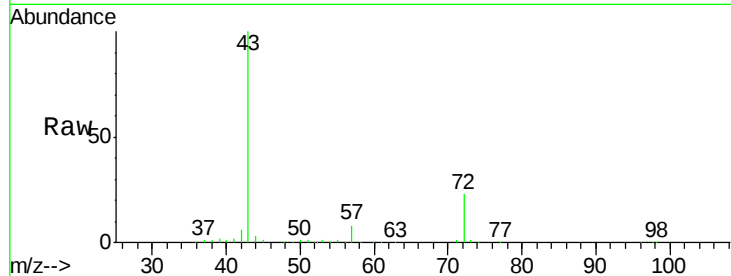
72 22.4 18.2 27.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

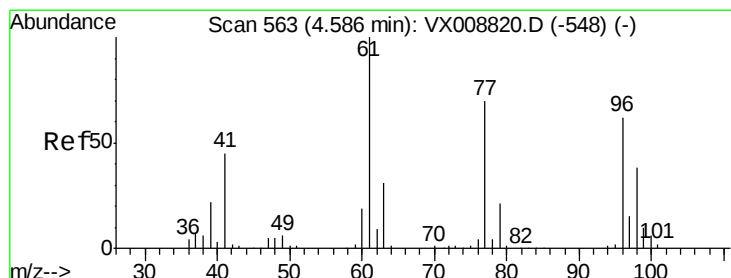
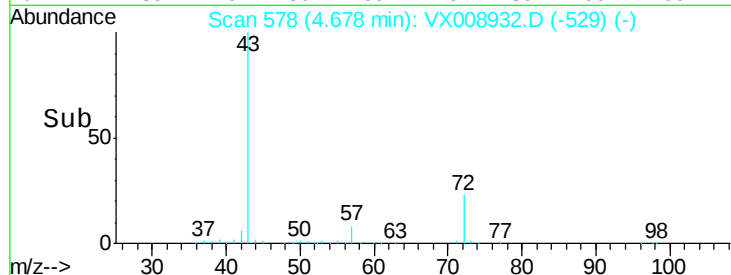
40000

20000

0

4.60 4.68 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.527 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008932.D

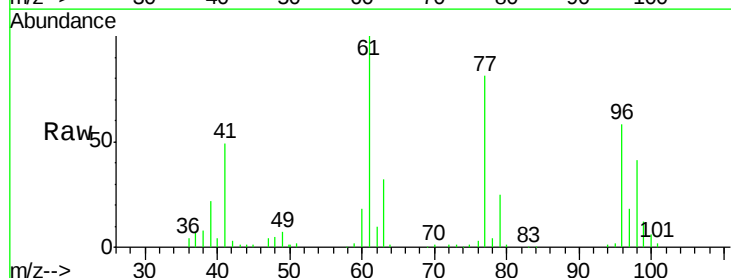
Acq: 13 Apr 2019 15:22

Tgt Ion: 77 Resp: 53427

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

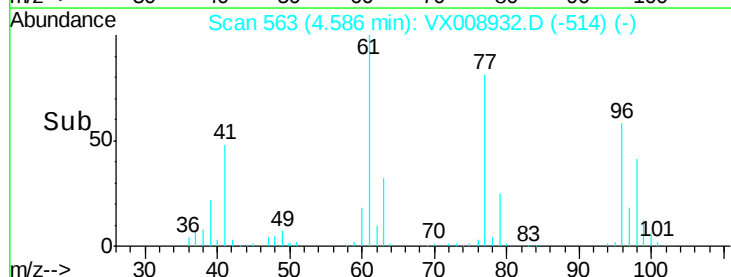
10000

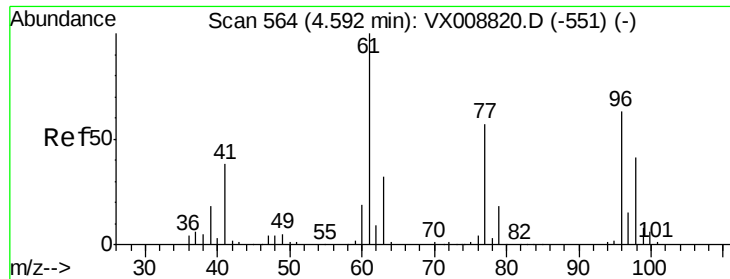
5000

0

4.40 4.50 4.59 4.70

Time-->





#27

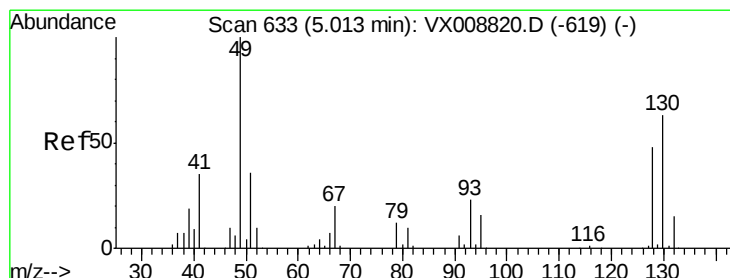
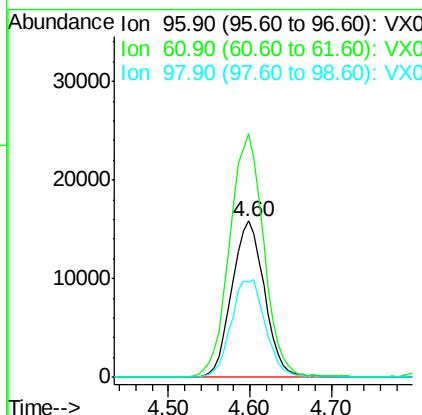
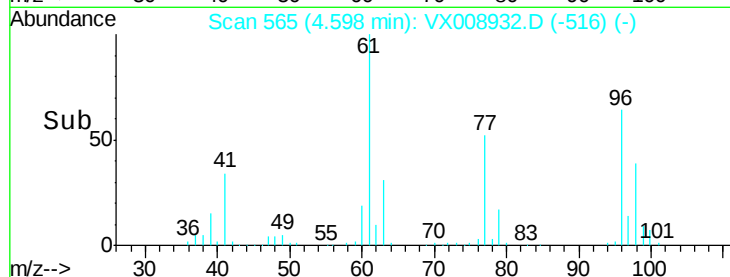
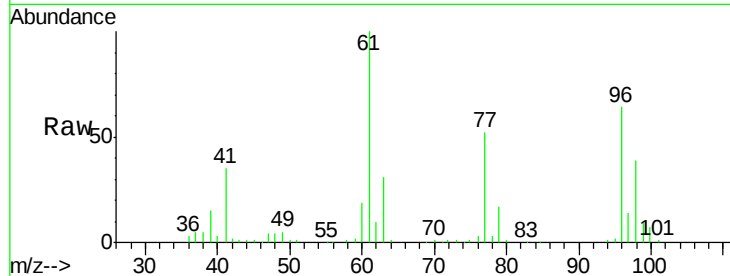
cis-1,2-Dichloroethene
Concen: 18.861 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	43961		
61	164.0	0.0	327.6	
98	36.4	0.0	128.6	

Manual Integrations
APPROVED

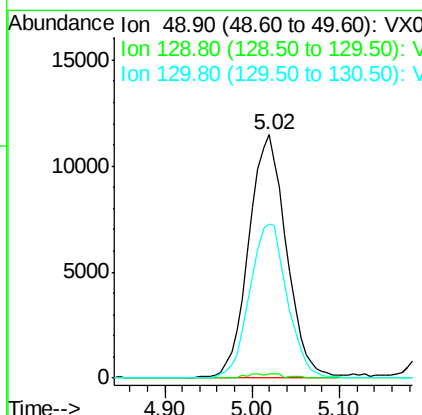
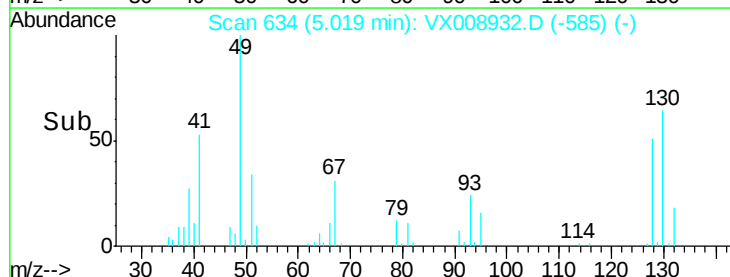
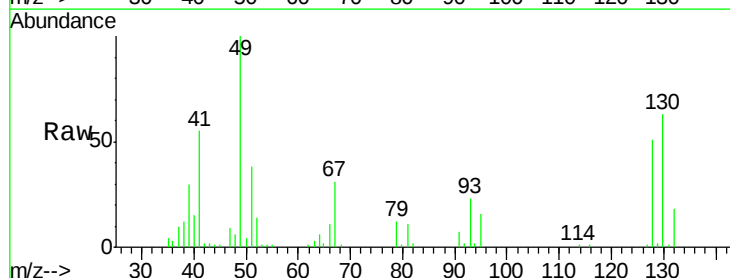
MMDadoda
4/15/2019 12:55:37 PM

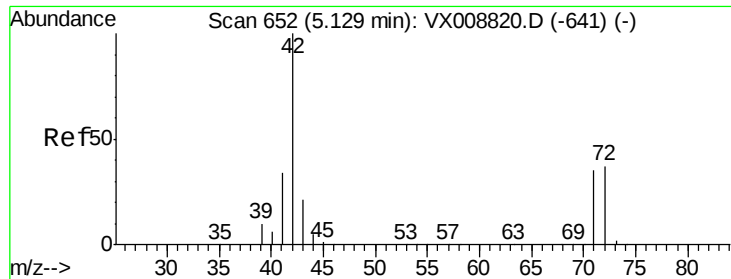


#28

Bromochloromethane
Concen: 18.198 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34416		
129	1.7	0.0	3.6	
130	63.0	49.3	73.9	





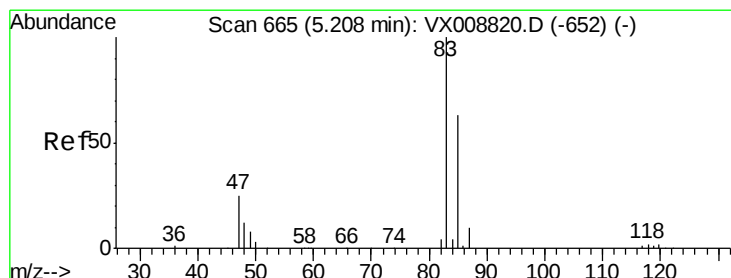
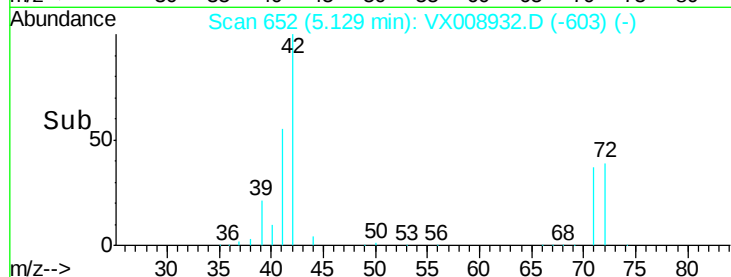
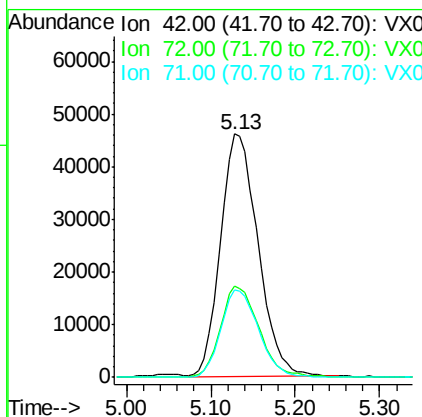
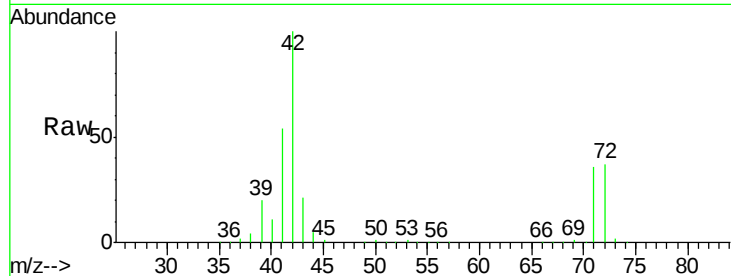
#29
Tetrahydrofuran
Concen: 98.045 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	30.5	45.7
71	36.2	28.6	43.0

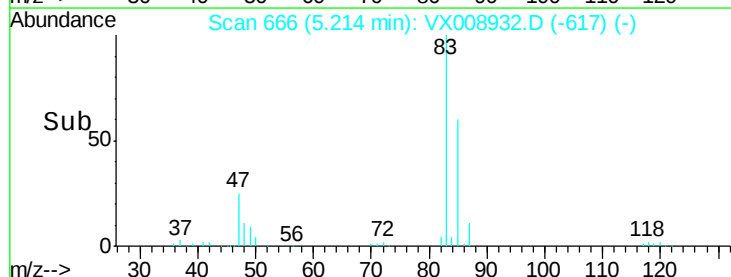
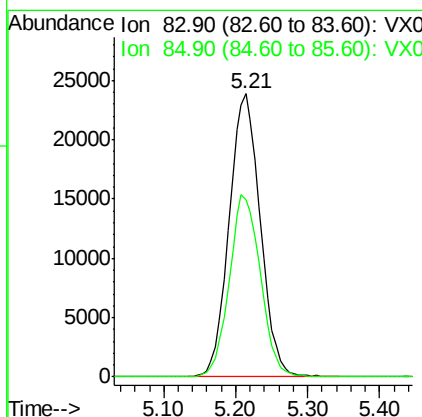
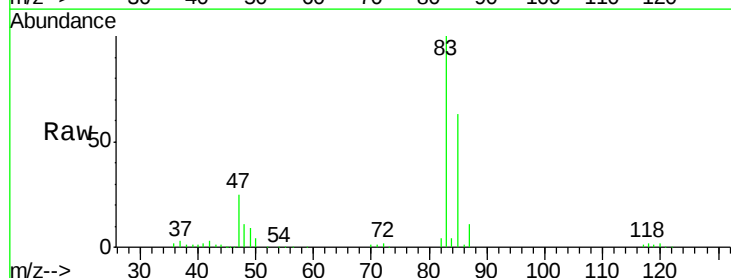
Manual Integrations
APPROVED

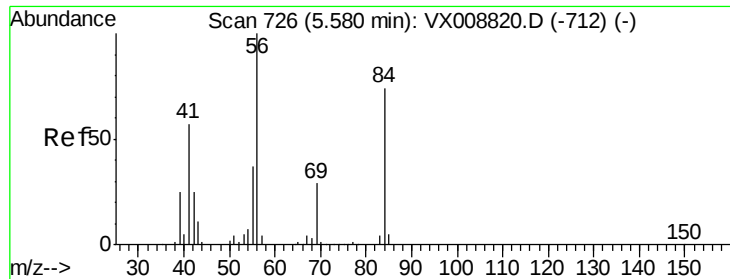
MMDadoda
4/15/2019 12:55:37 PM



#30
Chloroform
Concen: 19.611 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.1	78.1





#31

Cyclohexane

Concen: 18.799 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

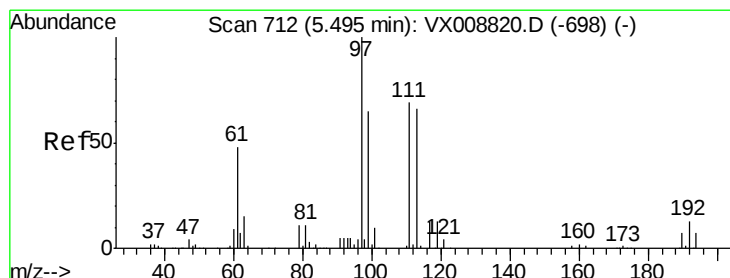
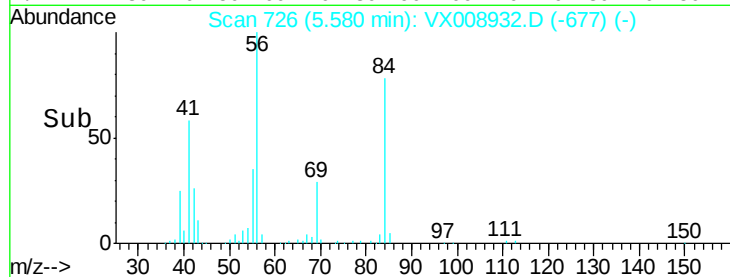
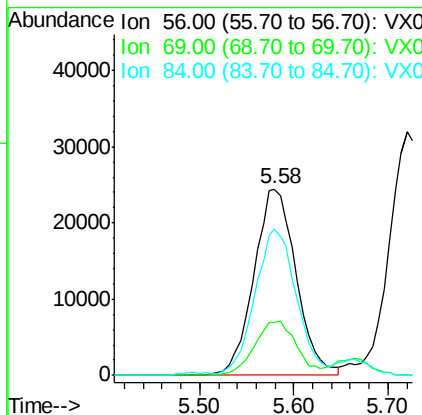
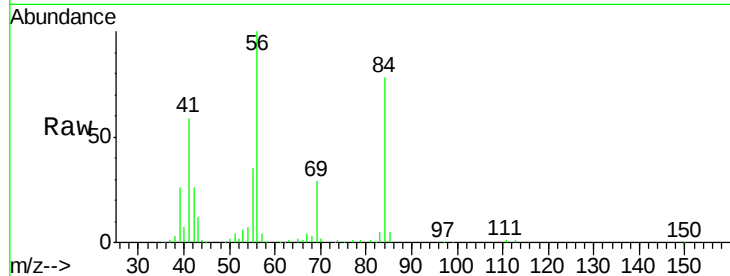
ClientSampleId :

VX0413WBSD01

Tot Ion:	56	Resp:	76801
Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.6	33.8
84	76.6	59.3	88.9

Manual Integrations
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4/15/2019 12:55:37 PM



#32

1,1,1-Trichloroethane

Concen: 20.073 ug/l

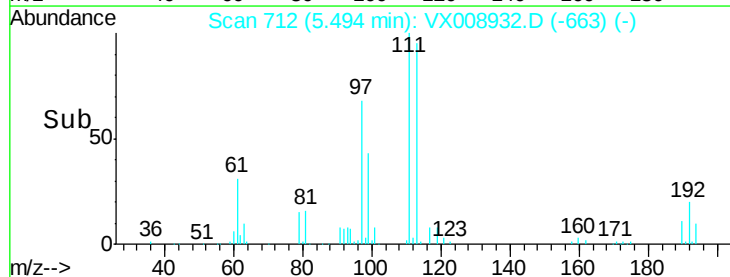
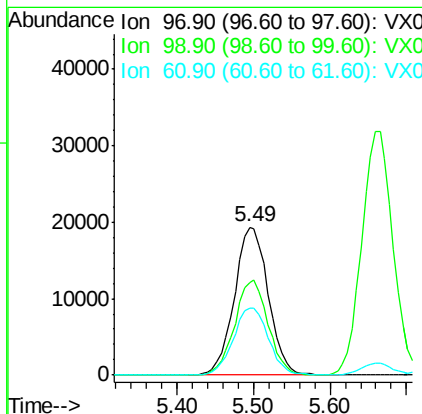
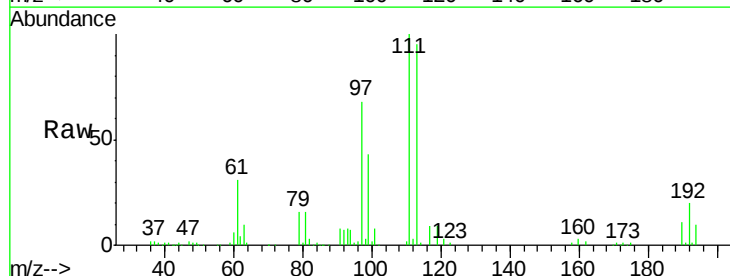
RT: 5.49 min Scan# 712

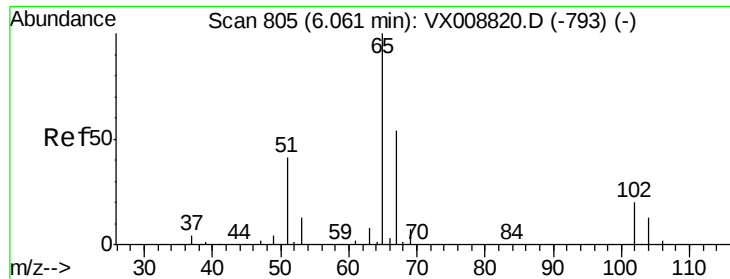
Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	97	Resp:	59318
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	47.2	38.9	58.3





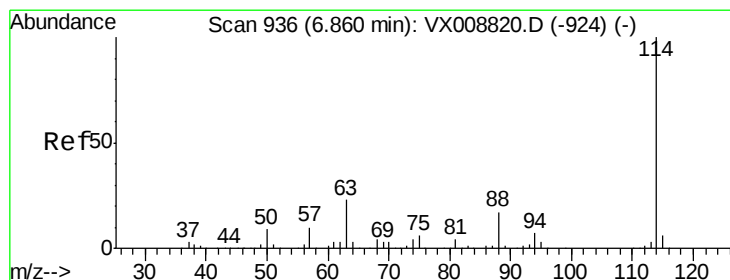
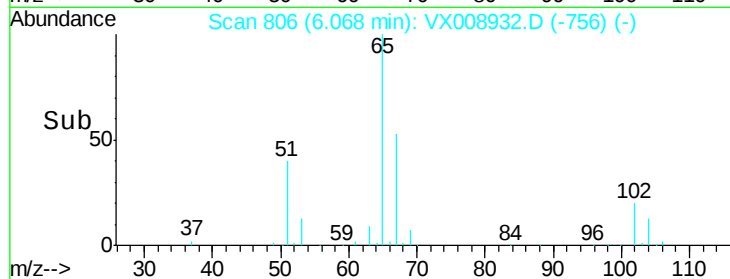
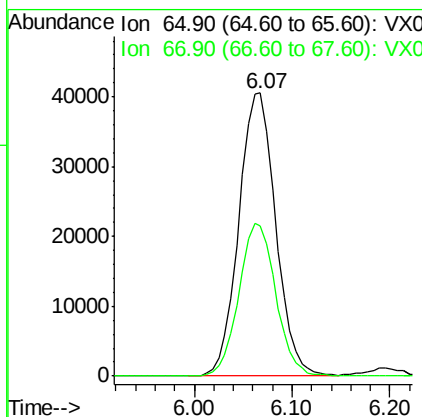
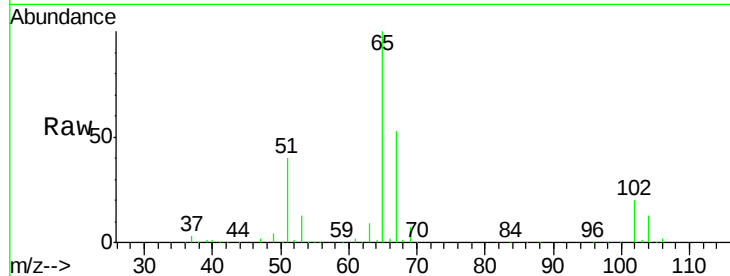
#33
 1,2-Dichloroethane-d4
 Concen: 45.071 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106570		
67	54.1	0.0	107.2	

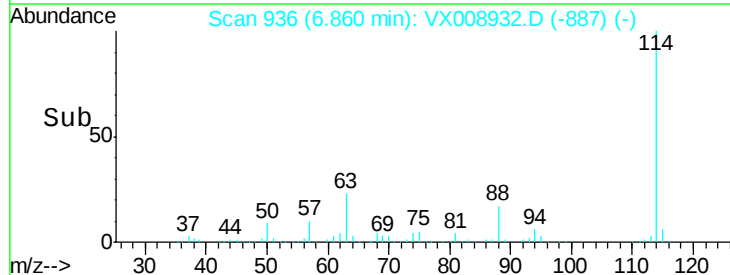
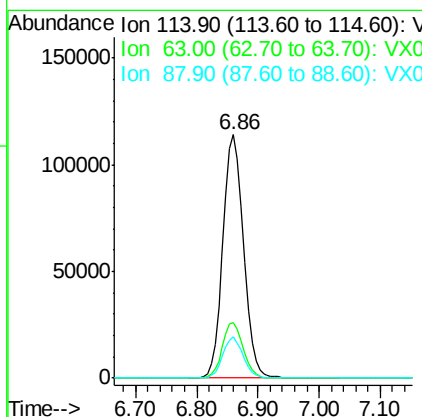
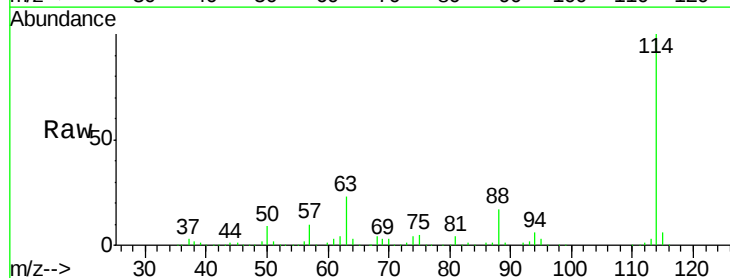
Manual Integrations
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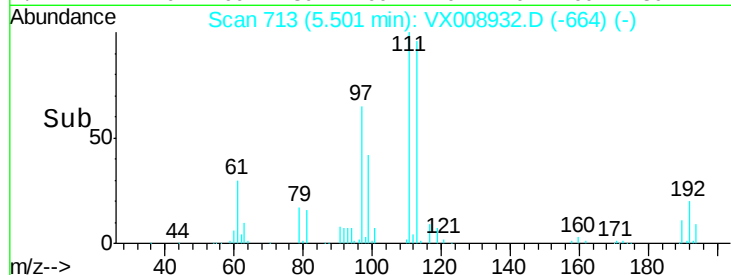
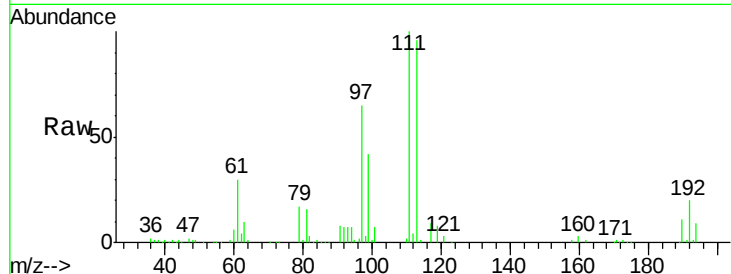
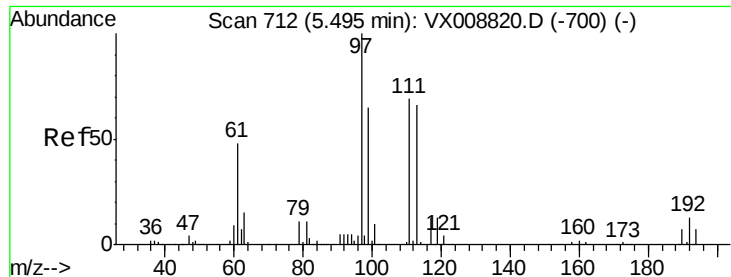
MMDadoda
 4/15/2019 12:55:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	267645		
63	22.7	0.0	47.2	
88	16.8	0.0	34.0	





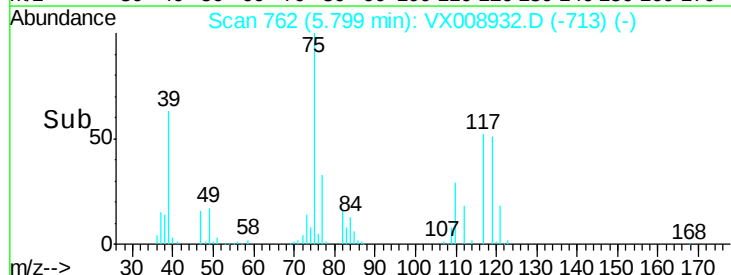
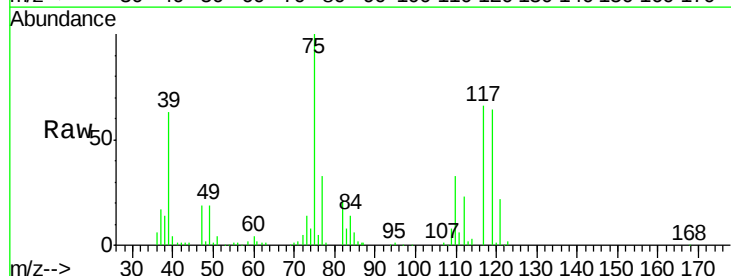
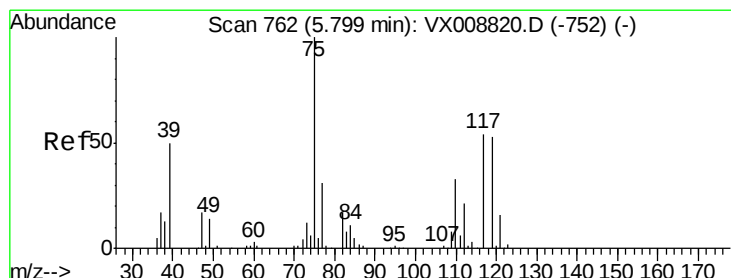
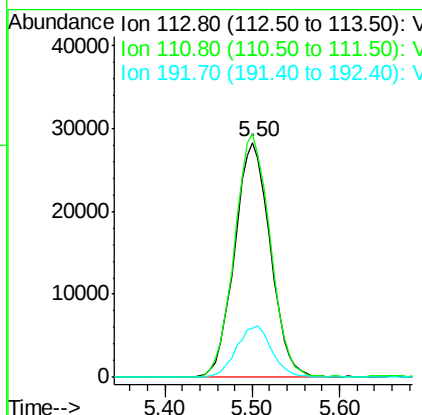
#35
Dibromofluoromethane
Concen: 46.930 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tot Ion	Ratio	Resp	Lower	Upper
113	100	80307		
111	104.3	83.4	125.2	
192	21.7	16.1	24.1	

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

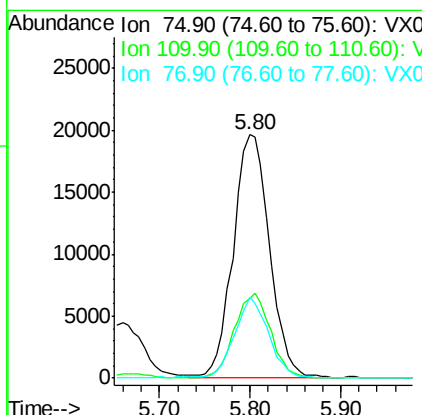
Manual Integrations
APPROVED

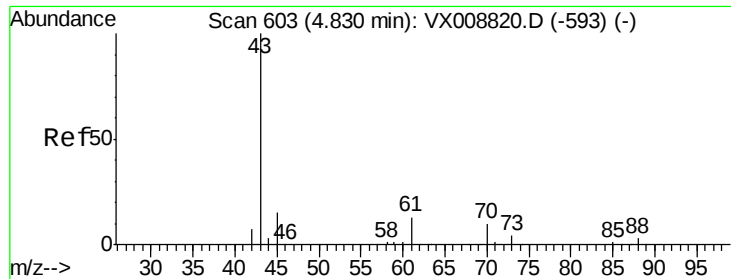
MMDadoda
4/15/2019 12:55:37 PM



#36
1,1-Dichloropropene
Concen: 18.480 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54065		
110	34.9	16.4	49.2	
77	31.5	24.7	37.1	





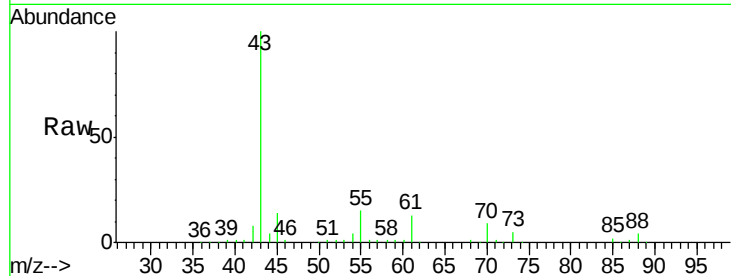
#37
Ethyl Acetate
Concen: 20.528 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.3	15.5
70	9.7	7.6	11.4

Manual Integrations
APPROVED

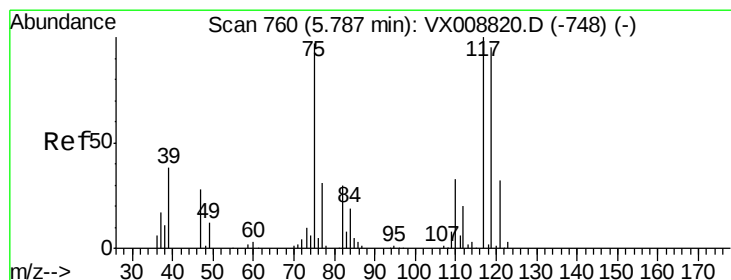
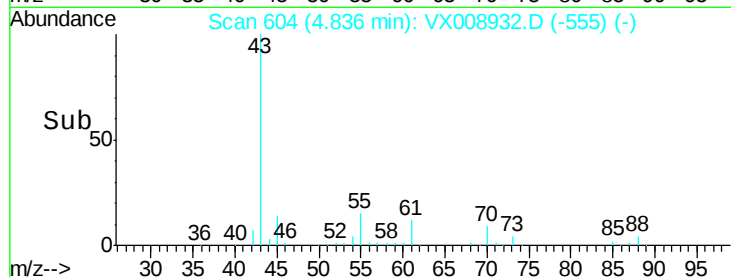
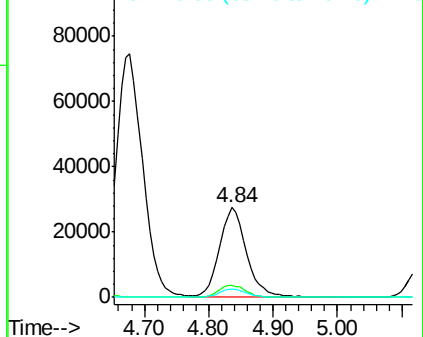
MMDadoda
4/15/2019 12:55:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VX008820.D (-593) (-)

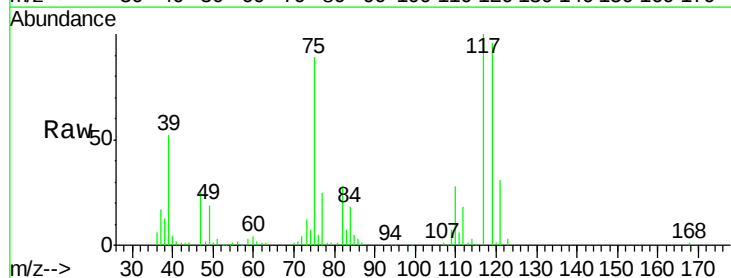
Ion 60.90 (60.60 to 61.60): VX008820.D (-593) (-)

Ion 70.00 (69.70 to 70.70): VX008820.D (-593) (-)



#38
Carbon Tetrachloride
Concen: 20.030 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

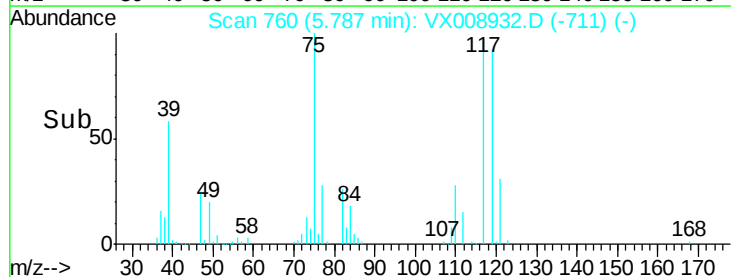
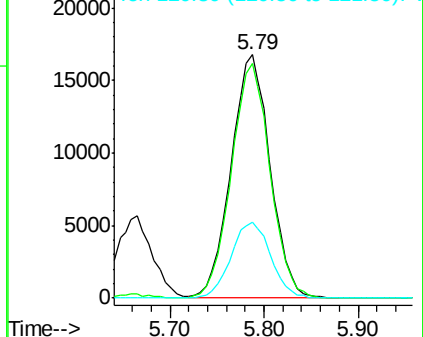
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.0	112.6
121	31.3	24.3	36.5

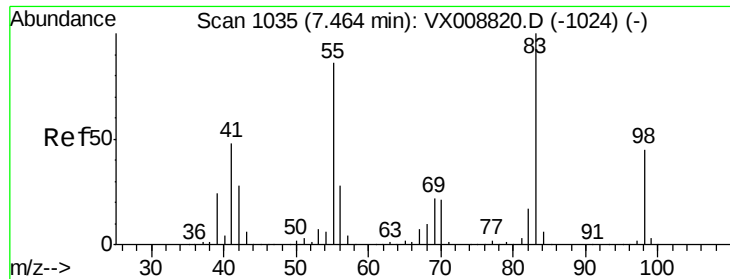


Abundance Ion 116.80 (116.50 to 117.50): VX008820.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX008820.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX008820.D (-748) (-)





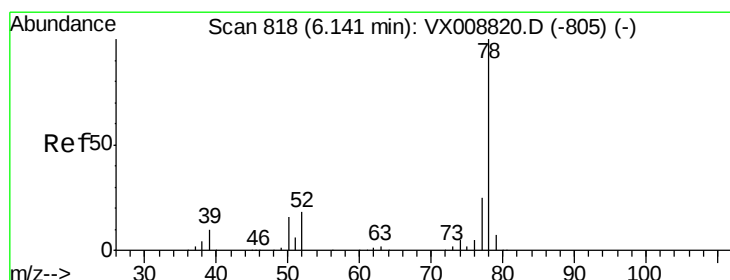
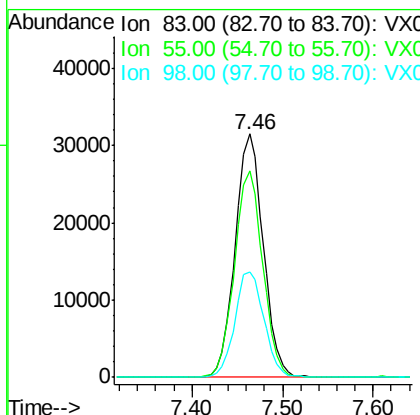
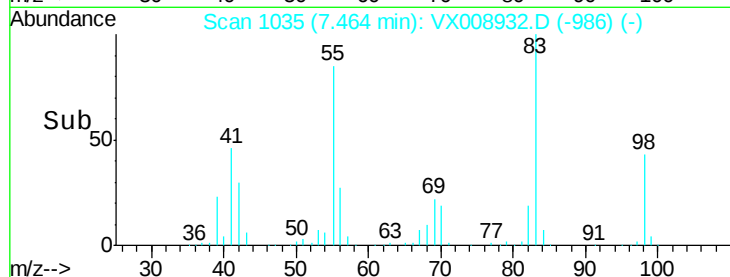
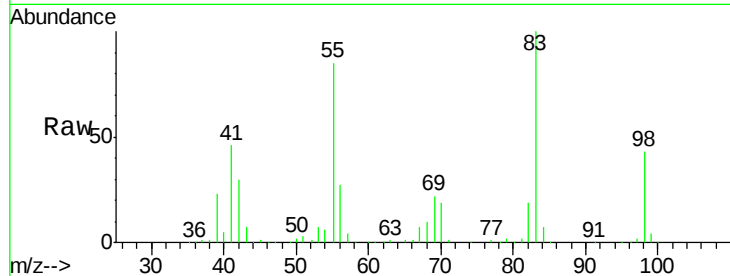
#39
Methylvlcyclohexane
Concen: 18.718 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	69.0	103.6
98	43.4	34.4	51.6

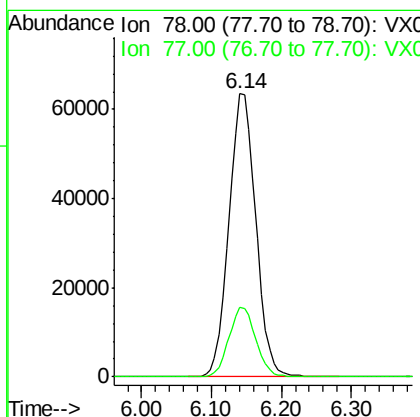
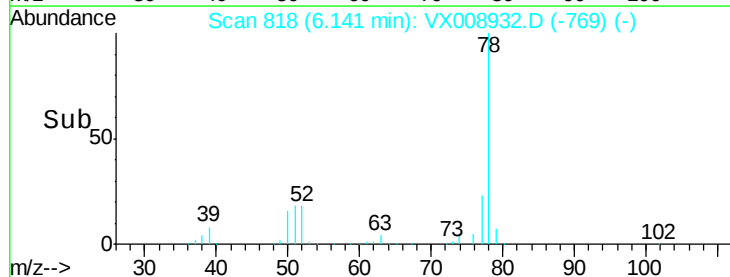
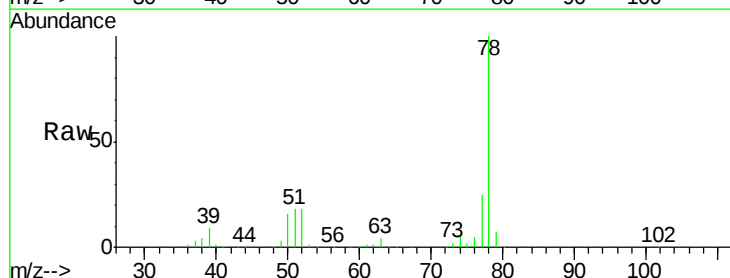
Manual Integrations
APPROVED

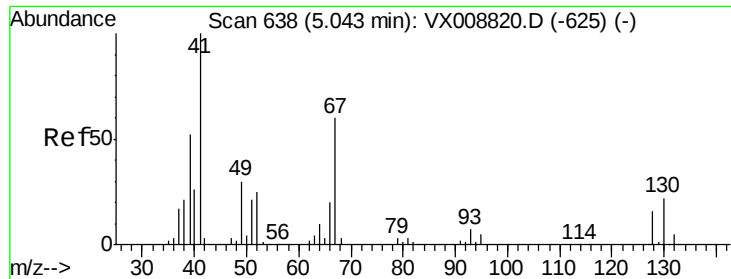
MMDadoda
4/15/2019 12:55:37 PM



#40
Benzene
Concen: 19.471 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





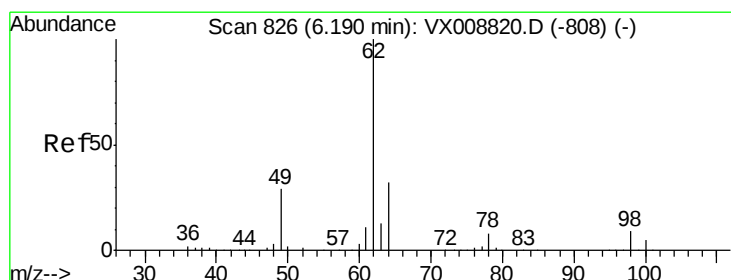
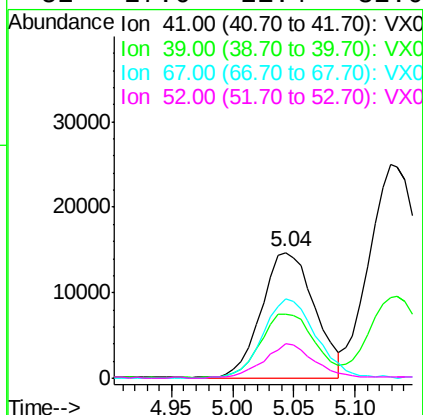
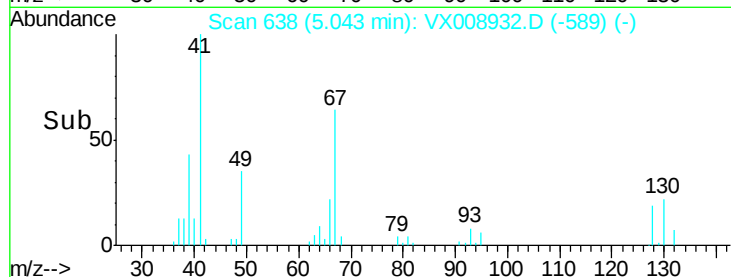
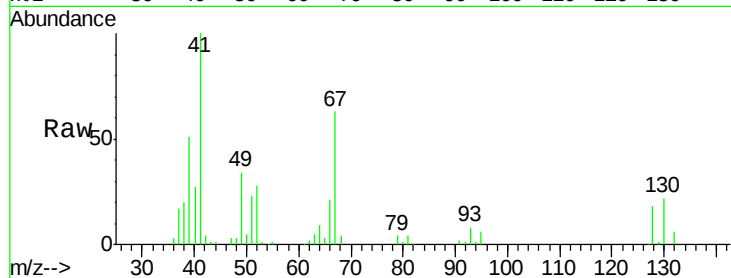
#41
Methacrylonitrile
Concen: 19.718 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion:	41	Resp:	44260
Ion Ratio	Lower	Upper	
41	100		
39	52.0	42.1	63.1
67	64.1	51.0	76.6
52	27.6	21.4	32.0

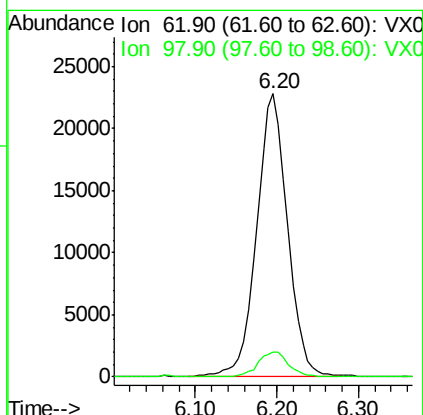
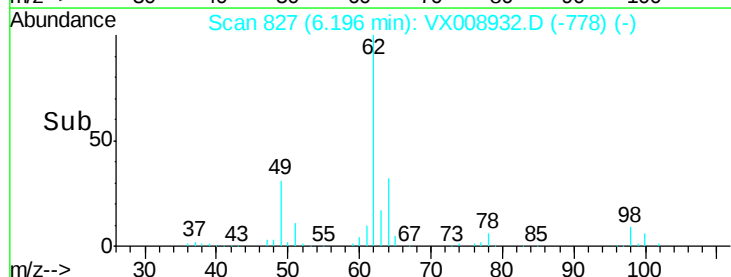
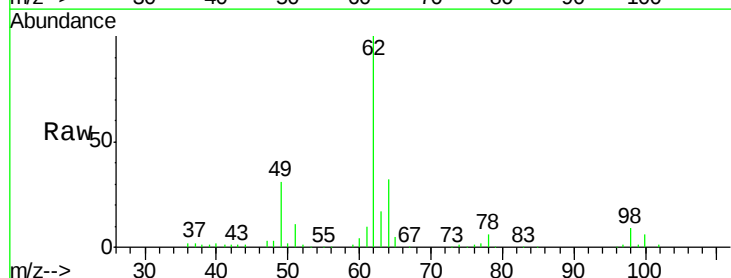
Manual Integrations
APPROVED

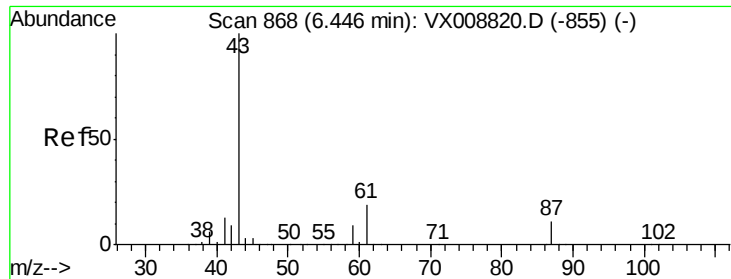
MMDadoda
4/15/2019 12:55:37 PM



#42
1,2-Dichloroethane
Concen: 19.272 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion:	62	Resp:	60218
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	18.0





#43

Isopropyl Acetate

Concen: 20.401 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

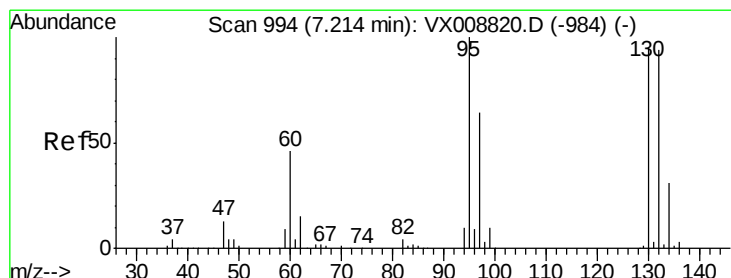
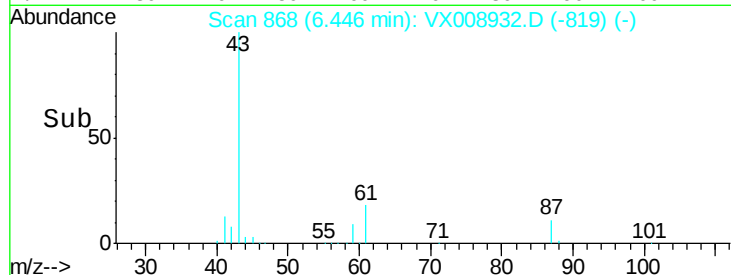
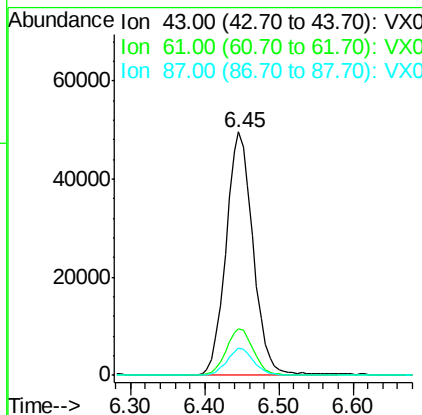
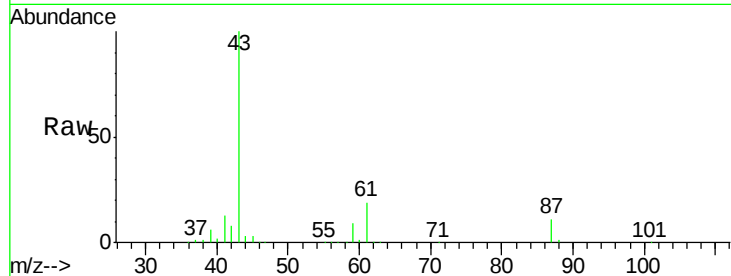
ClientSampleId :

VX0413WBSD01

Tot Ion:	43	Resp:	124802
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.3	22.9
87	11.2	9.0	13.6

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#44

Trichloroethene

Concen: 19.778 ug/l

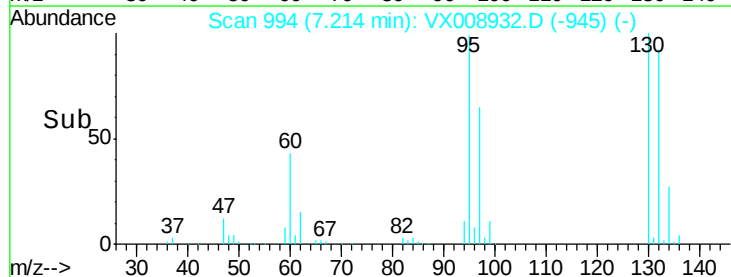
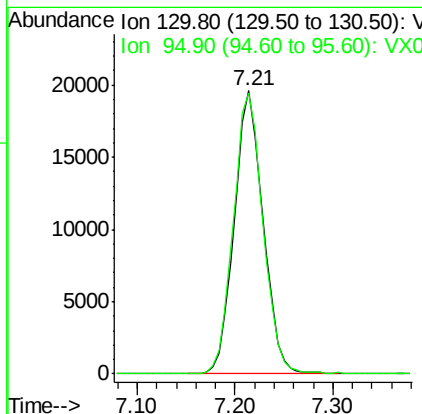
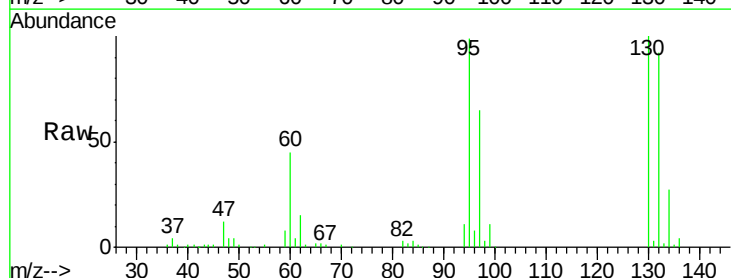
RT: 7.21 min Scan# 994

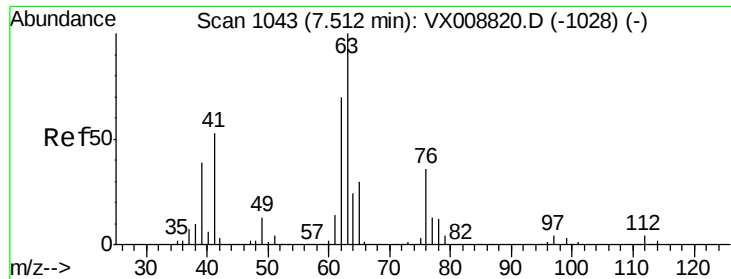
Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	130	Resp:	40149
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	209.8





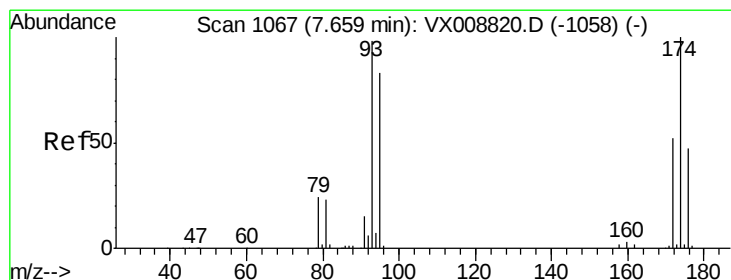
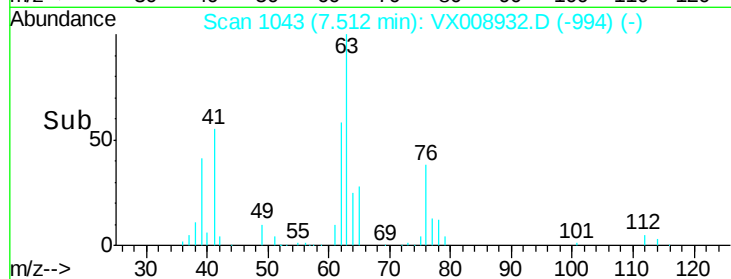
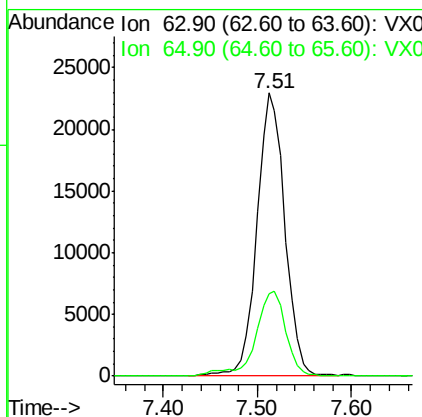
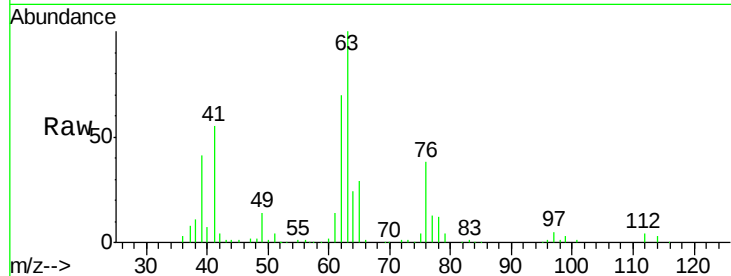
#45
 1,2-Dichloropropane
 Concen: 19.197 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0413WBSD01

Tot Ion: 63 Resp: 47757
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.2 36.4

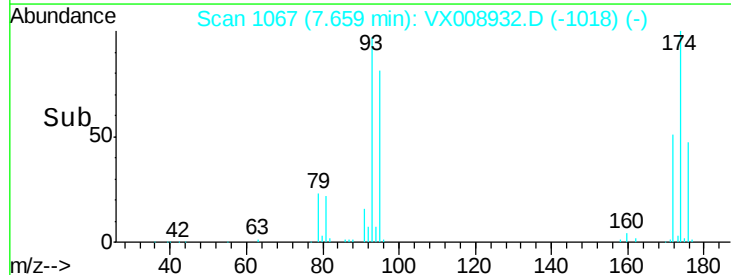
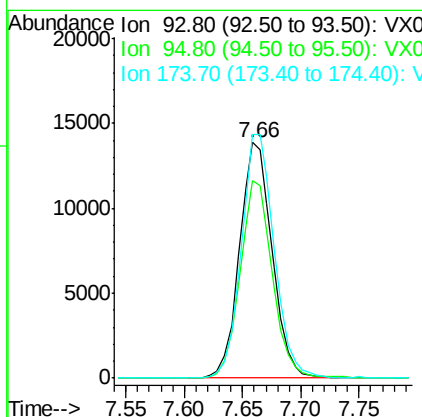
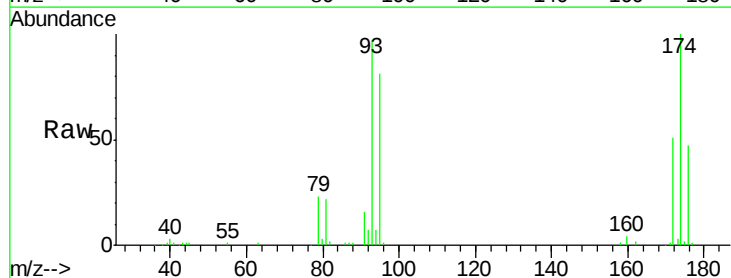
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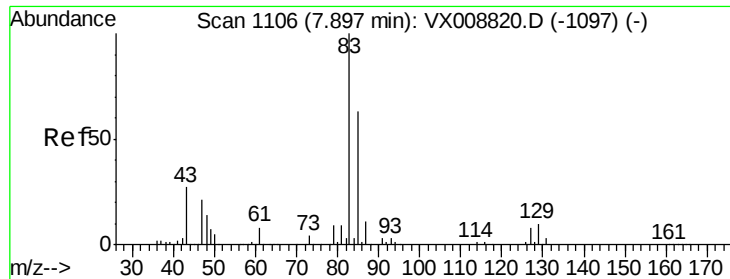
MMDadoda
 4/15/2019 12:55:37 PM



#46
 Dibromomethane
 Concen: 18.758 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Tgt Ion: 93 Resp: 27065
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.6 99.8
 174 104.3 77.7 116.5





#47

Bromodichloromethane

Concen: 19.654 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

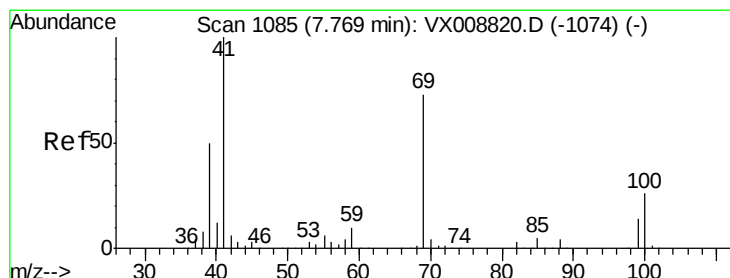
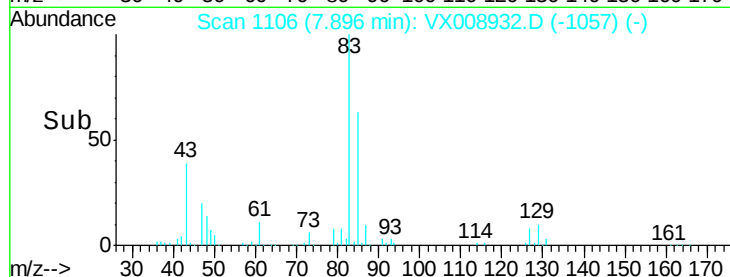
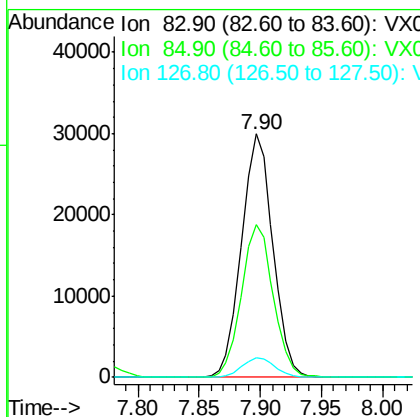
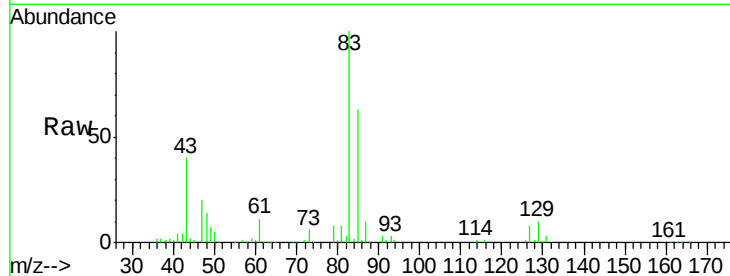
ClientSampleId :

VX0413WBSD01

Tot Ion:	83	Resp:	53468
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.2	76.8
127	7.9	6.6	10.0

Manual Integrations
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MMDadoda
4/15/2019 12:55:37 PM



#48

Methyl methacrylate

Concen: 20.302 ug/l

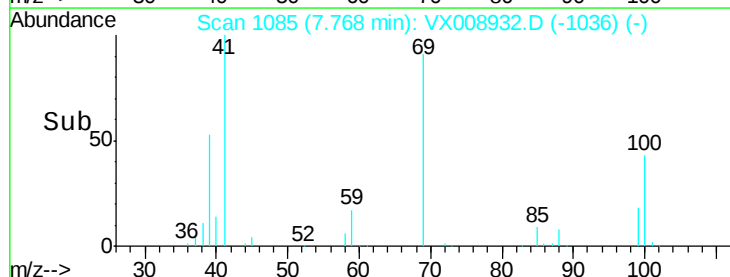
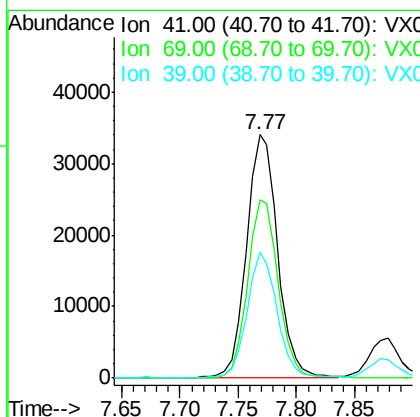
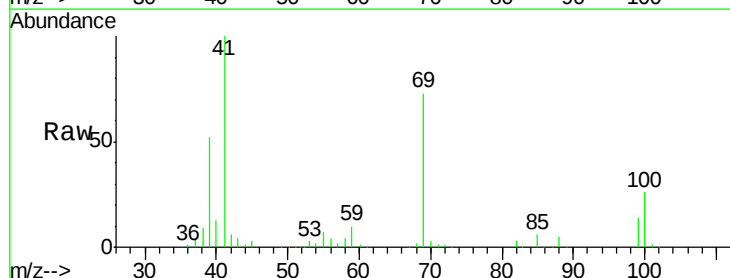
RT: 7.77 min Scan# 1085

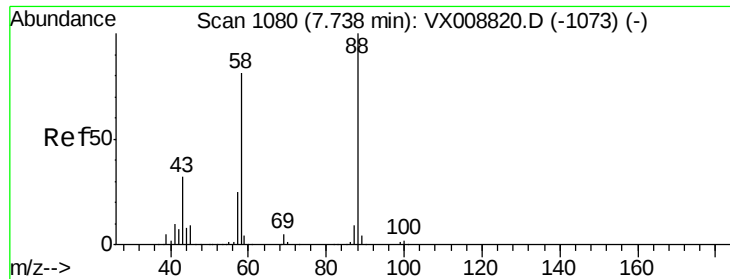
Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	41	Resp:	62823
Ion Ratio	Lower	Upper	
41	100		
69	73.4	59.0	88.4
39	50.7	41.0	61.4





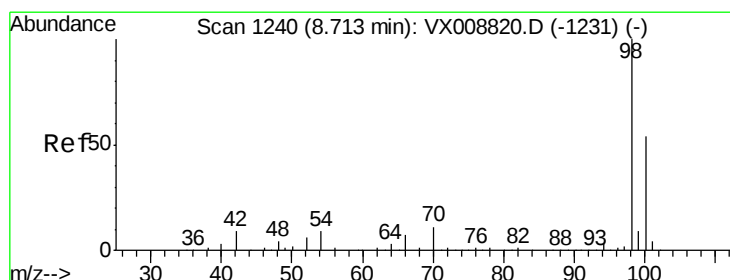
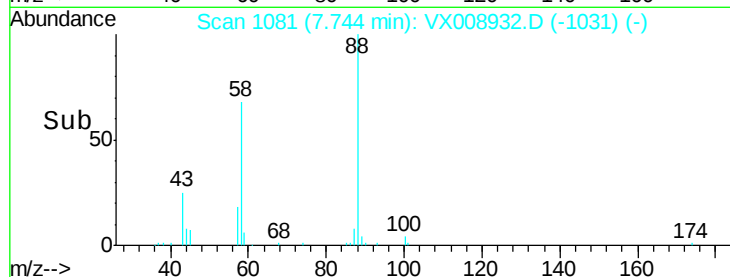
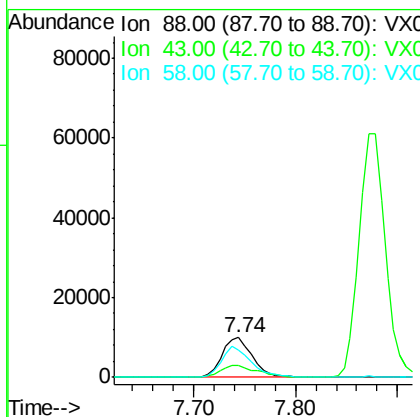
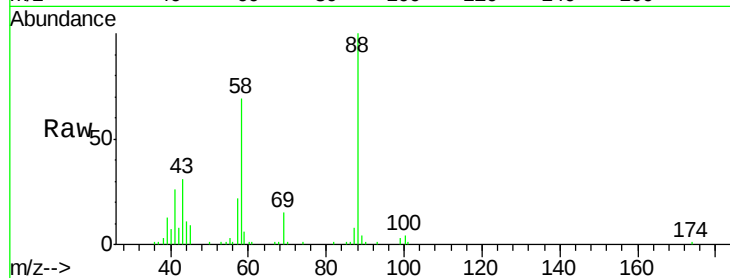
#49
1,4-Dioxane
Concen: 356.282 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	43.0
58	76.8	62.2	93.2

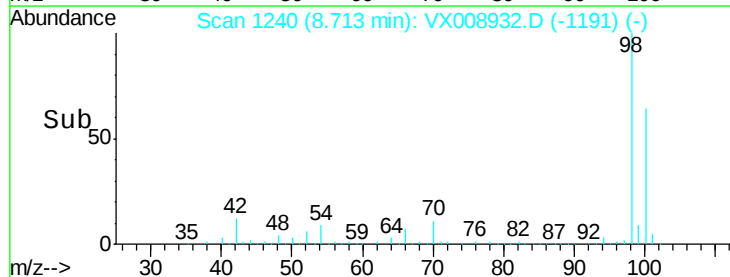
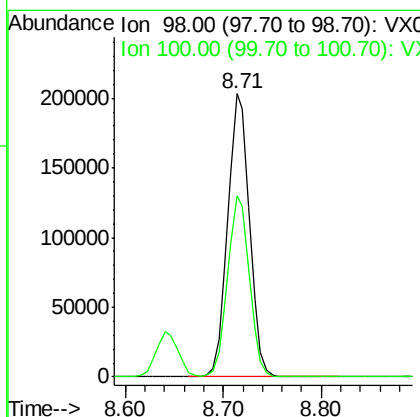
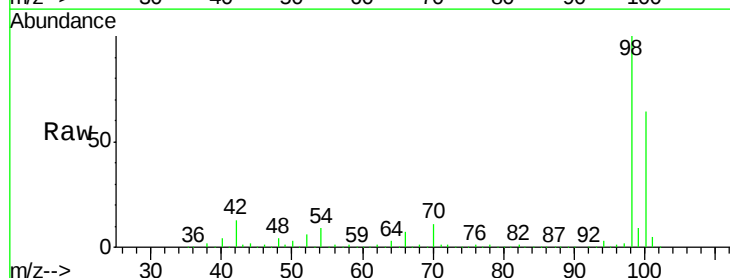
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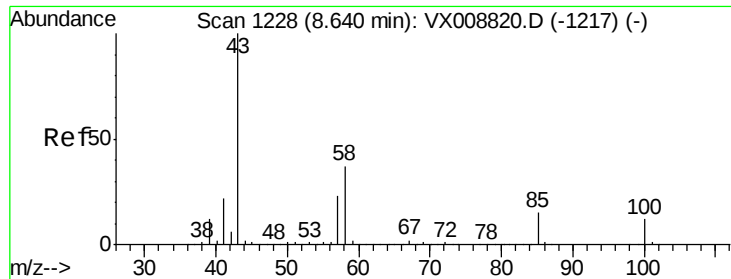
MMDadoda
4/15/2019 12:55:37 PM



#50
Toluene-d8
Concen: 45.926 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 102.283 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 43 Resp: 402785

Ion Ratio Lower Upper

43 100

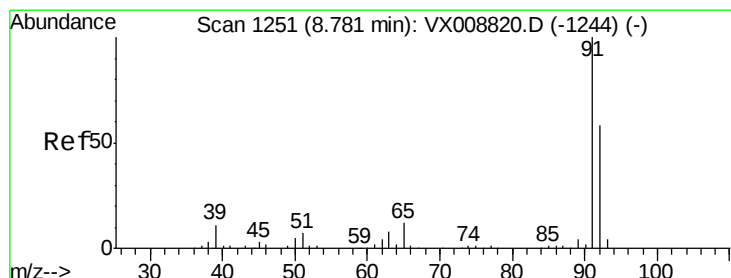
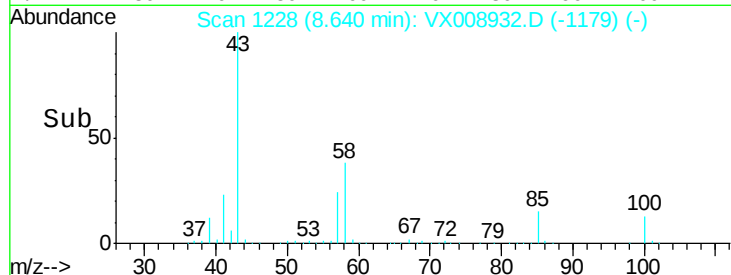
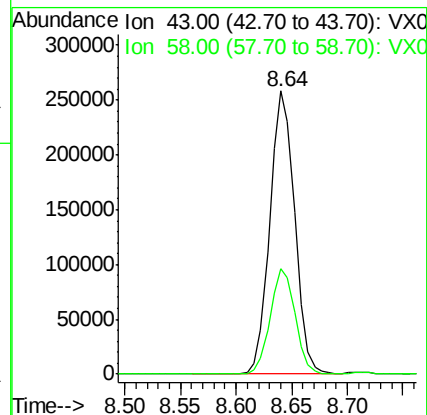
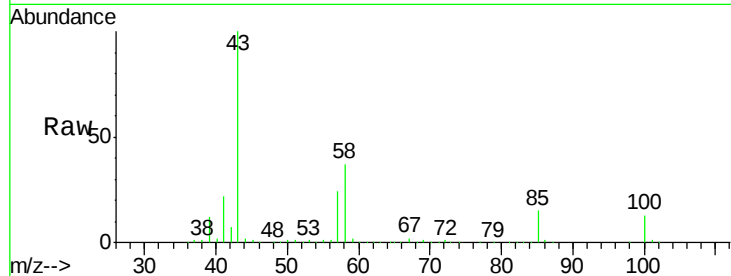
58 37.4 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 19.617 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008932.D

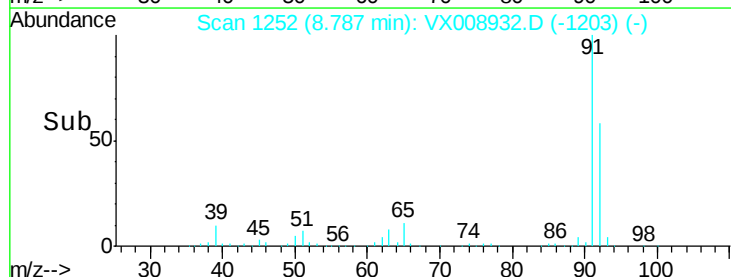
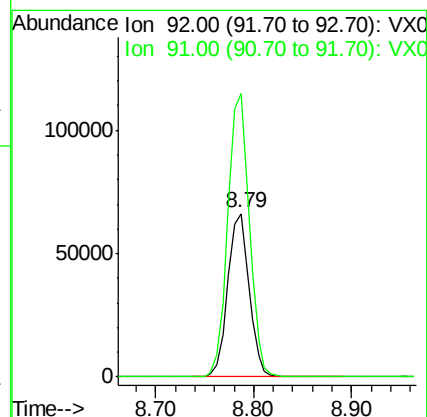
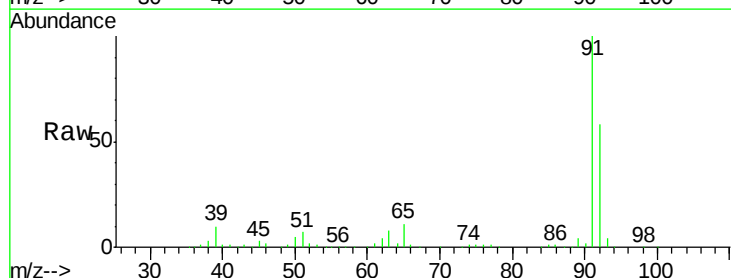
Acq: 13 Apr 2019 15:22

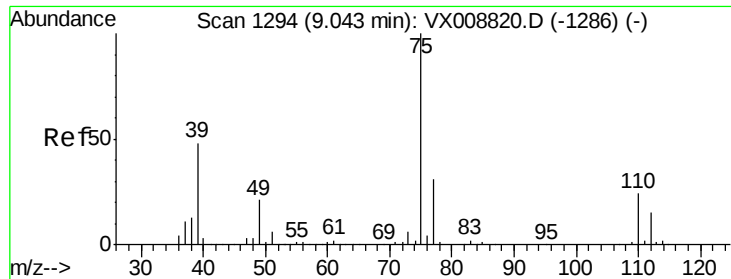
Tgt Ion: 92 Resp: 100800

Ion Ratio Lower Upper

92 100

91 174.9 138.5 207.7





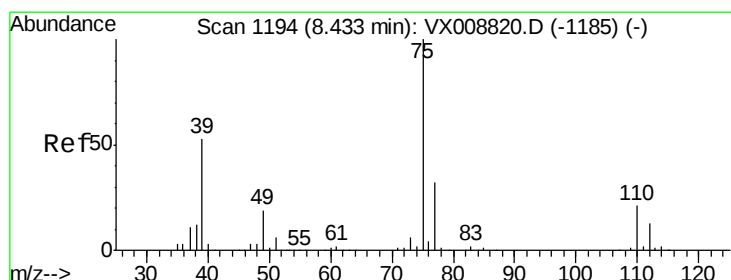
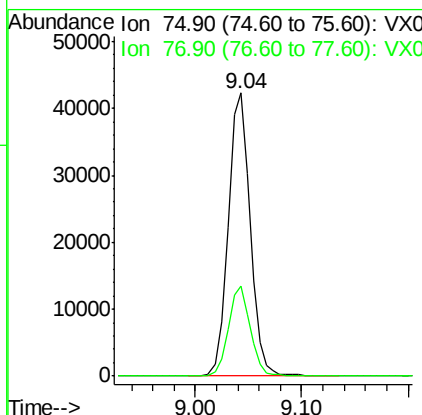
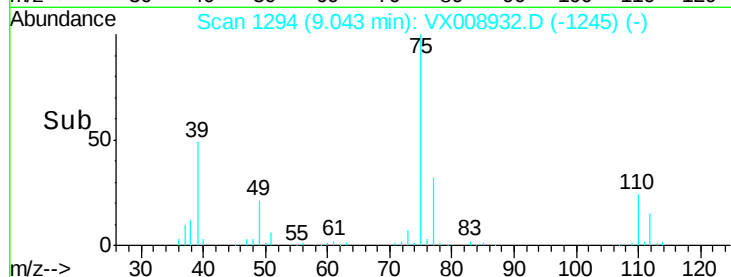
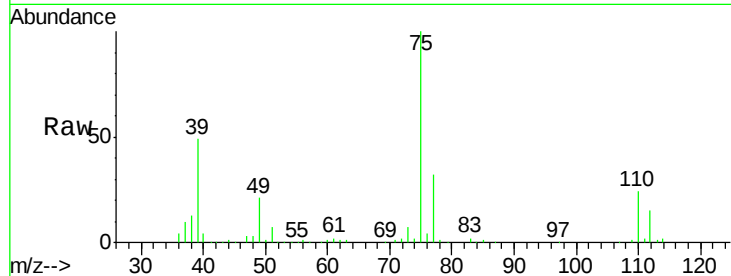
#53
t-1,3-Dichloropropene
Concen: 20.127 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion: 75 Resp: 61333
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

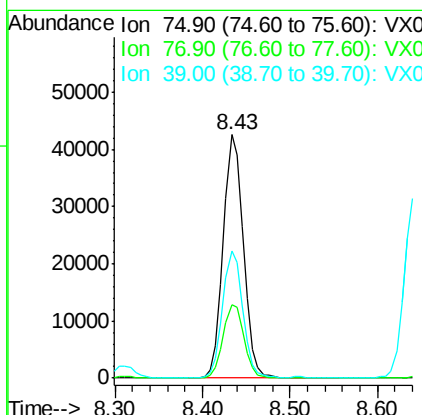
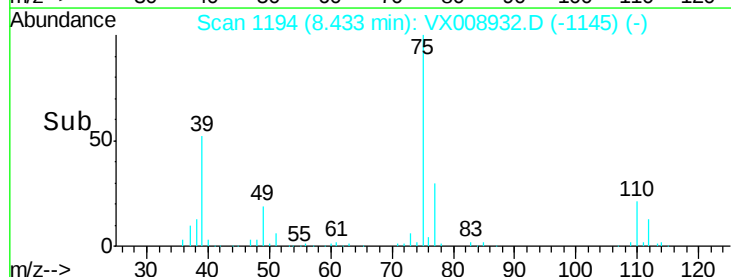
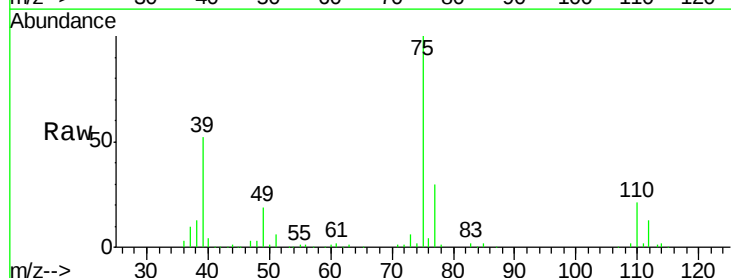
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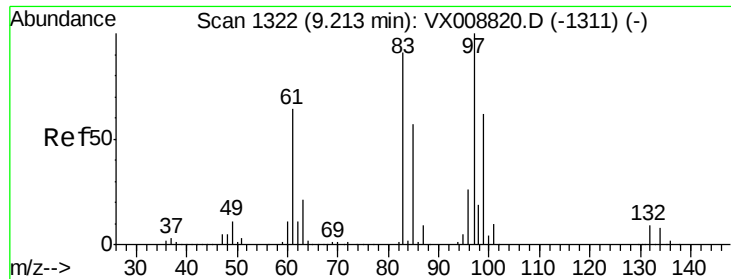
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.604 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion: 75 Resp: 68261
Ion Ratio Lower Upper
75 100
77 30.4 25.3 37.9
39 52.2 42.6 63.8





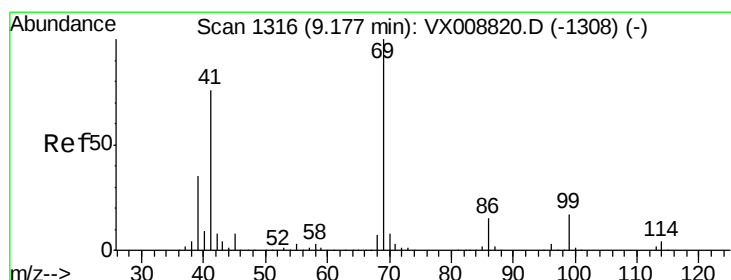
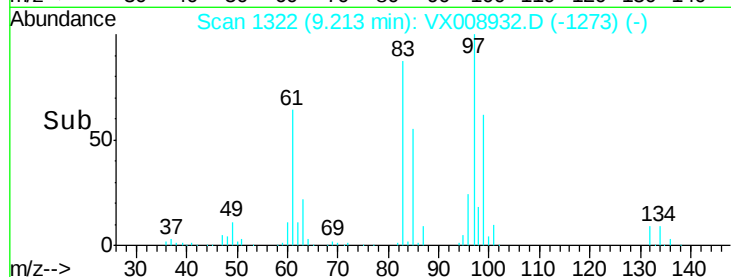
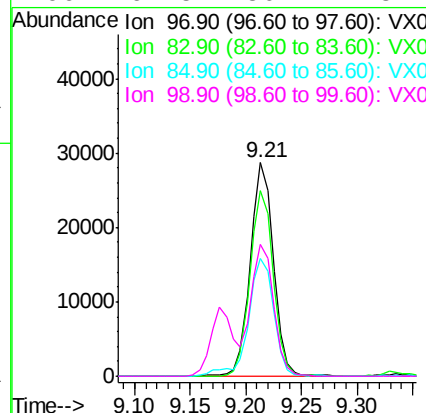
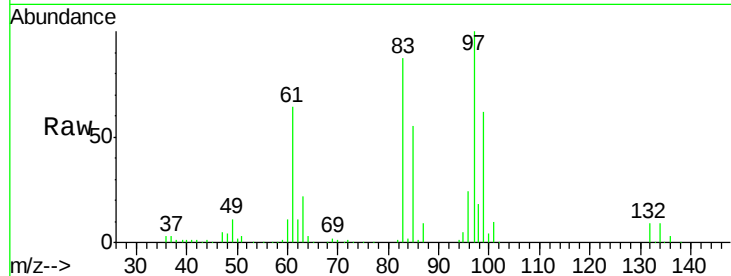
#55
 1,1,2-Trichloroethane
 Concen: 20.155 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		41572		
83	86.7	73.2	109.8		
85	55.2	46.6	69.8		
99	61.5	50.1	75.1		

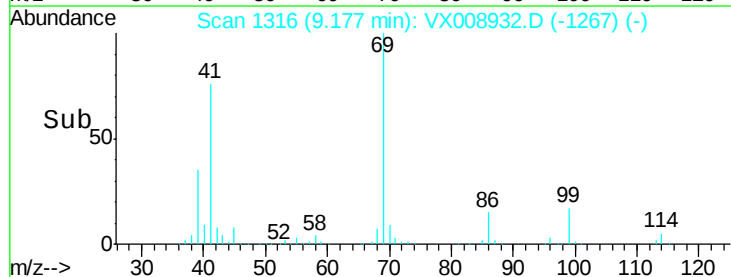
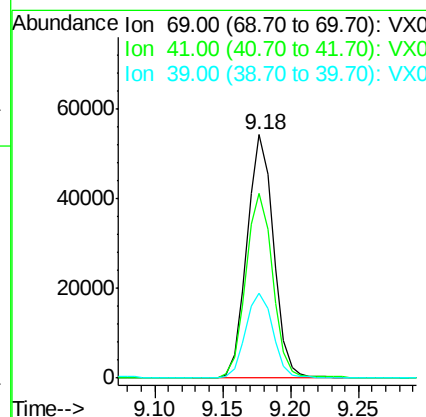
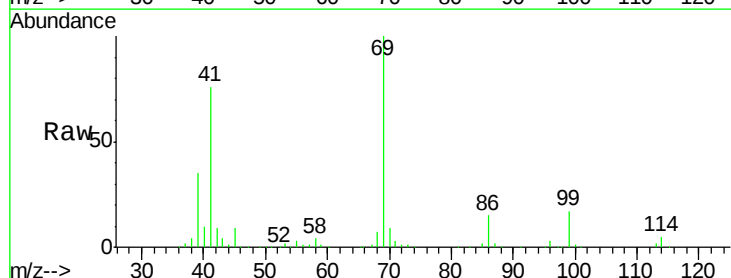
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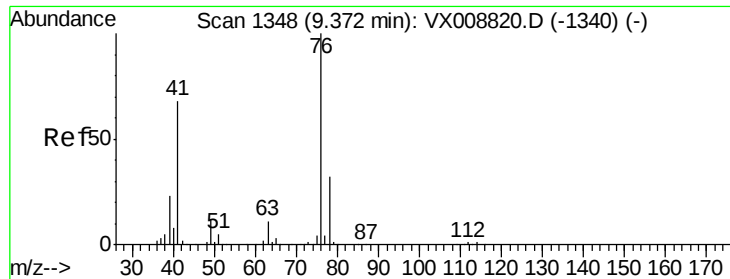
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 4/15/2019 12:55:37 PM



#56
 Ethyl methacrylate
 Concen: 19.944 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		74431		
41	76.6	60.1	90.1		
39	35.6	28.9	43.3		





#57

1,3-Dichloropropane

Concen: 19.869 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 76 Resp: 73588

Ion Ratio Lower Upper

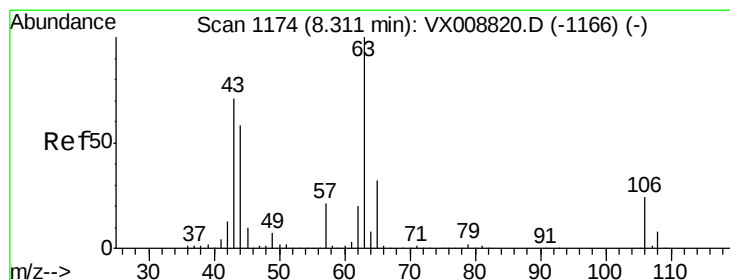
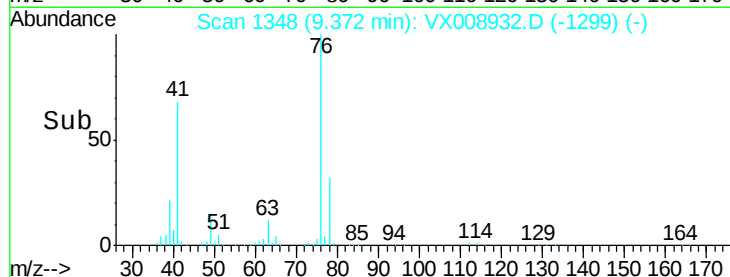
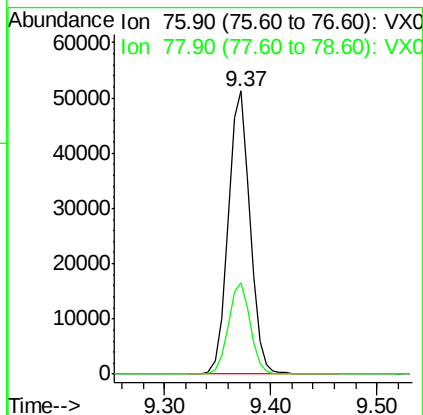
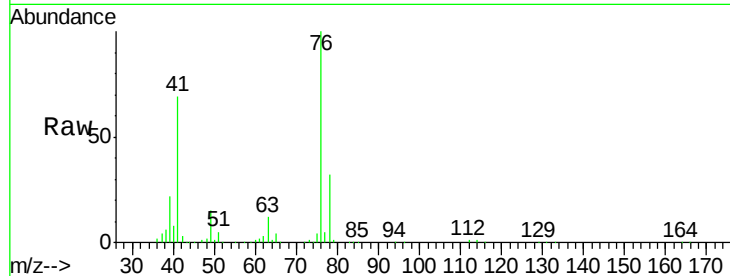
76 100

78 32.4 25.6 38.4

Manual Integrations
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MMDadoda

4/15/2019 12:55:37 PM



#58

2-Chloroethyl Vinyl ether

Concen: 89.841 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008932.D

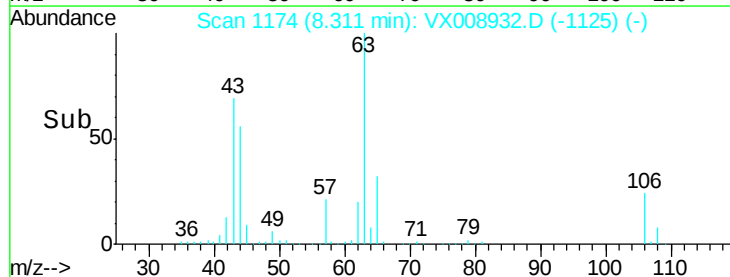
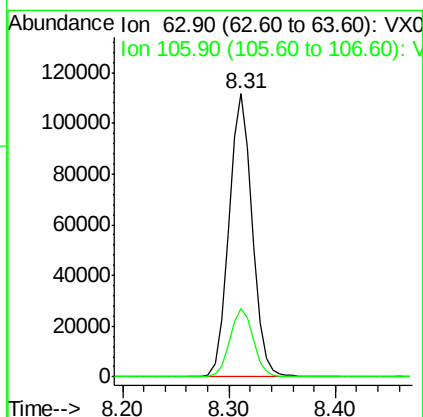
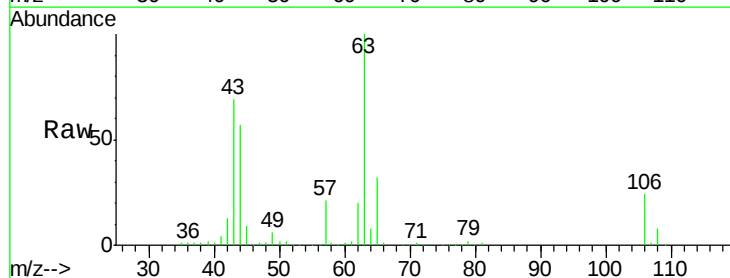
Acq: 13 Apr 2019 15:22

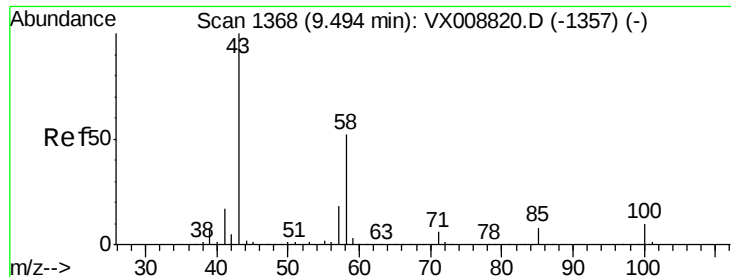
Tgt Ion: 63 Resp: 171199

Ion Ratio Lower Upper

63 100

106 24.7 19.0 28.6





#59

2-Hexanone

Concen: 101.154 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 43 Resp: 309568

Ion Ratio Lower Upper

43 100

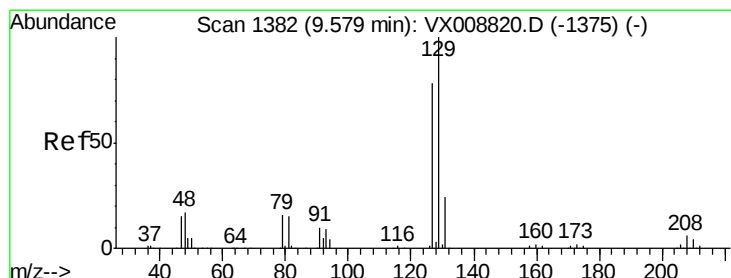
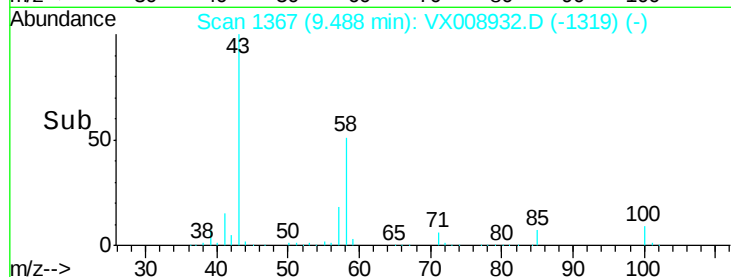
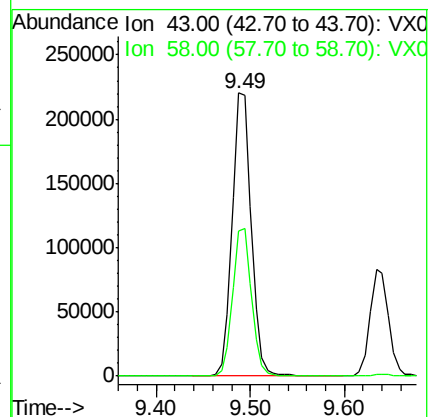
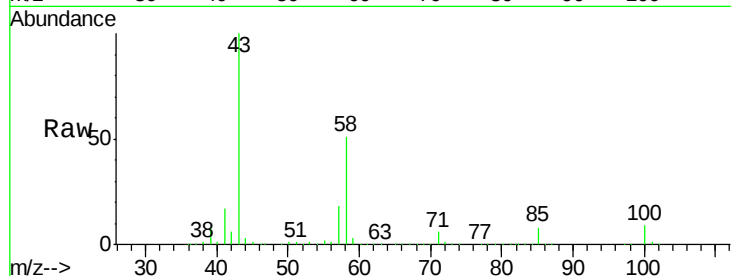
58 51.9 25.9 77.7

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#60

Dibromochloromethane

Concen: 20.160 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008932.D

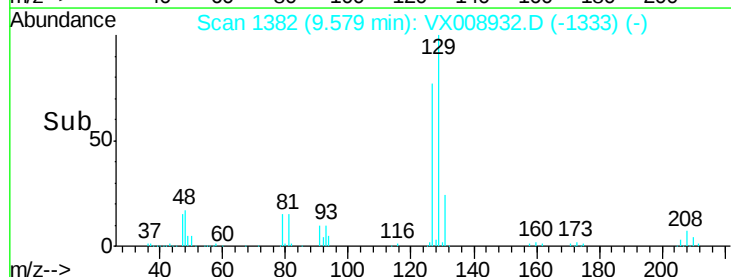
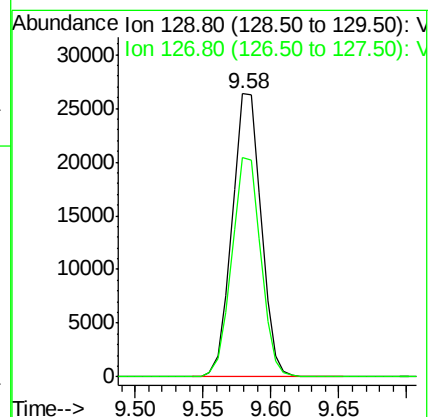
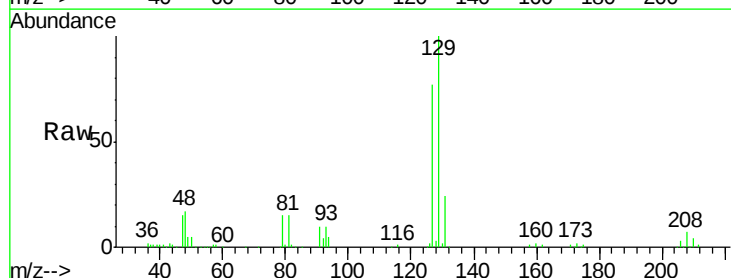
Acq: 13 Apr 2019 15:22

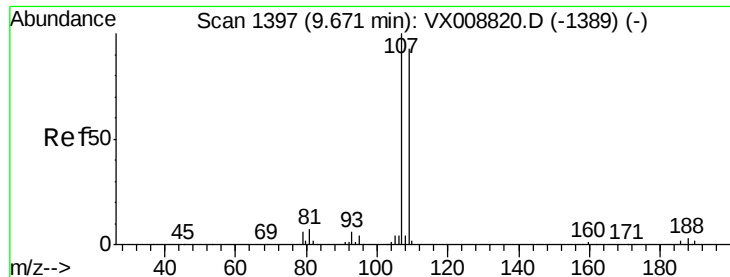
Tgt Ion: 129 Resp: 39183

Ion Ratio Lower Upper

129 100

127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.702 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion:107 Resp: 42306

Ion Ratio Lower Upper

107 100

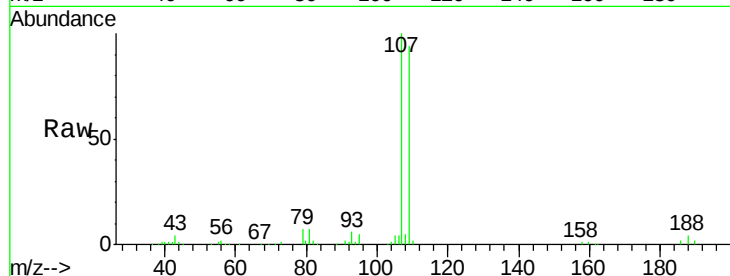
109 94.5 74.1 111.1

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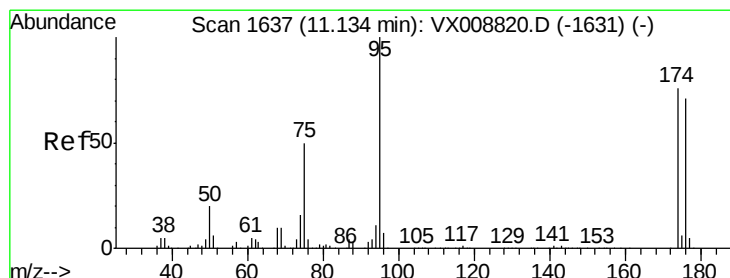
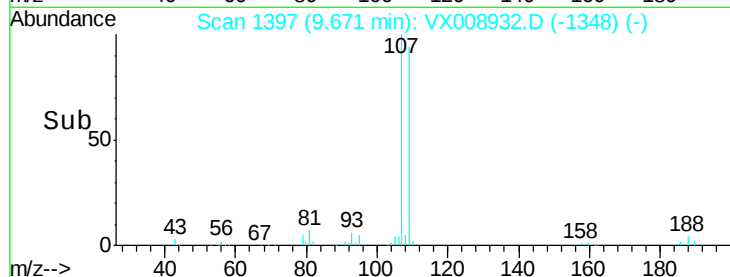
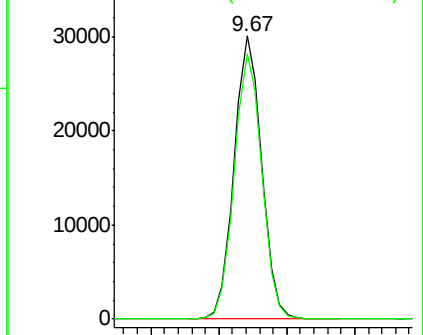
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.344 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

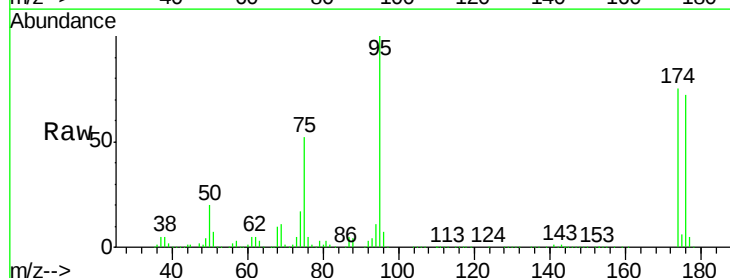
Tgt Ion: 95 Resp: 111977

Ion Ratio Lower Upper

95 100

174 81.0 0.0 151.8

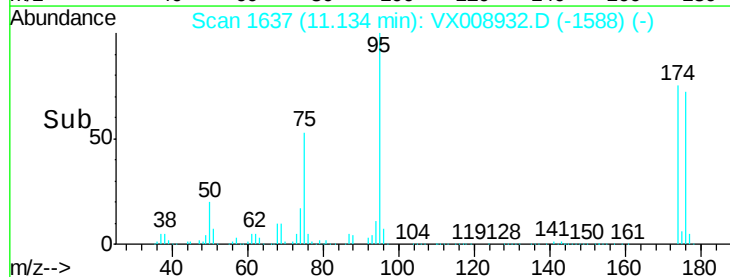
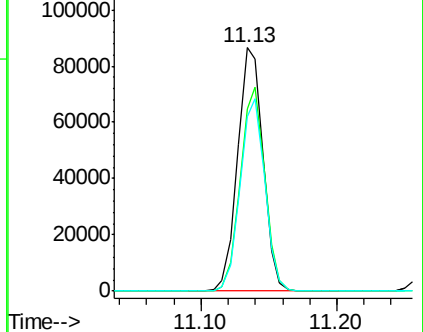
176 77.2 0.0 145.8

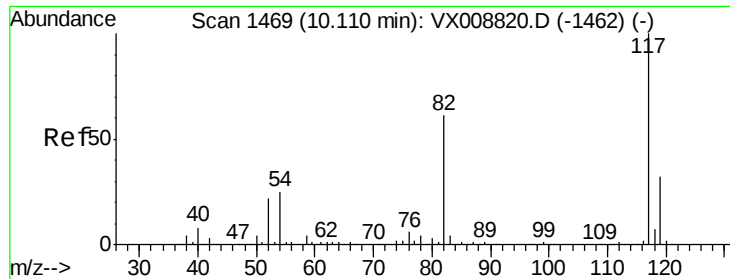


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





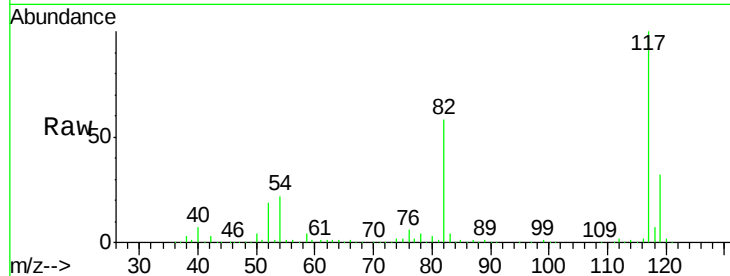
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

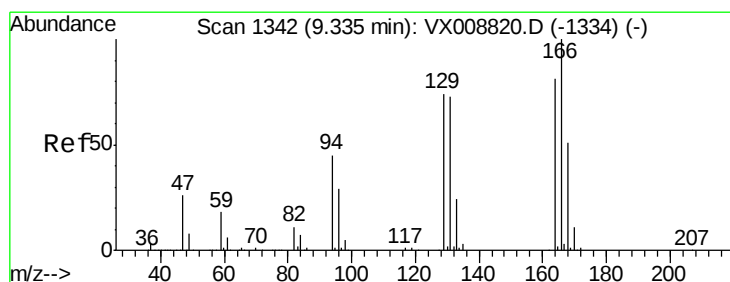
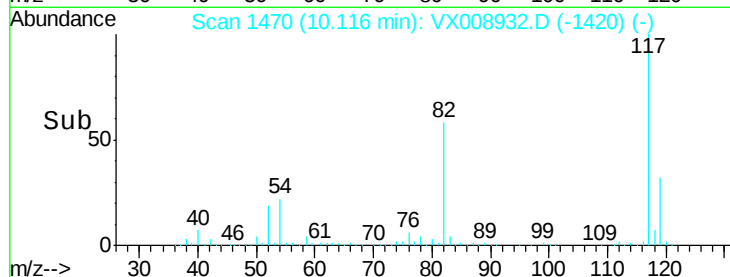
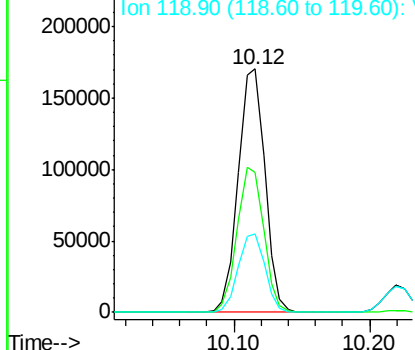
Tot Ion	Ratio	Resp	Lower	Upper
117	100	234075		
82	57.5	49.6	74.4	
119	32.1	25.0	37.4	

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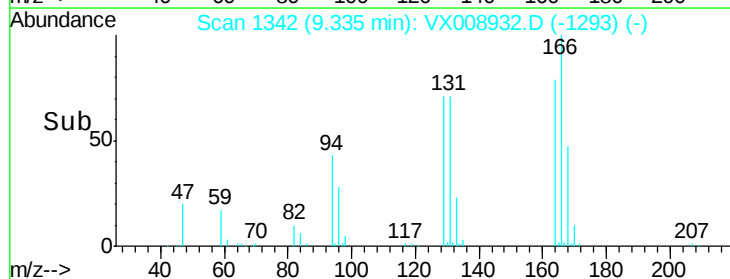
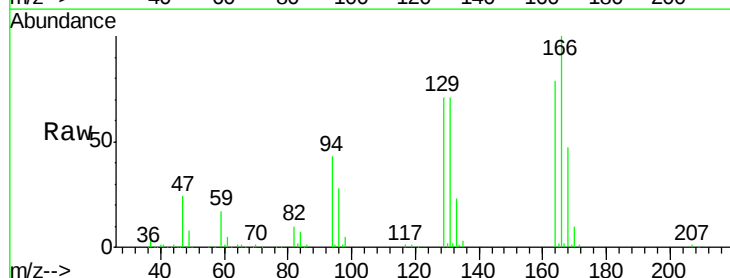
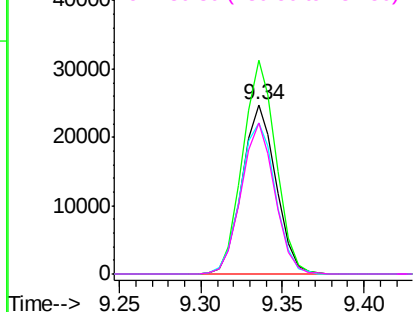
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

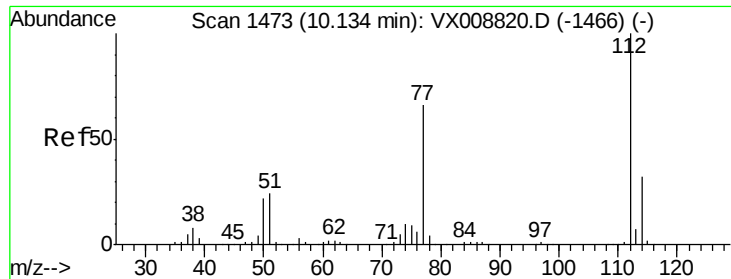


#64
Tetrachloroethene
Concen: 20.616 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35753		
166	126.3	101.0	151.6	
129	89.5	75.8	113.8	
131	89.4	71.8	107.8	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





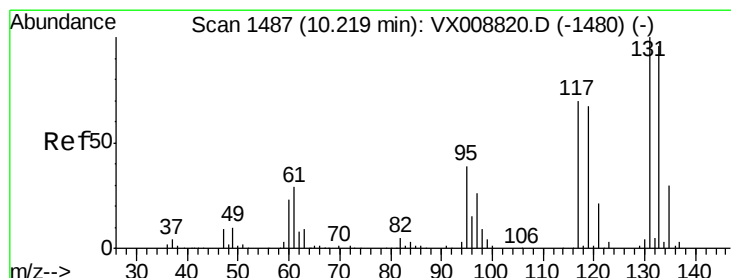
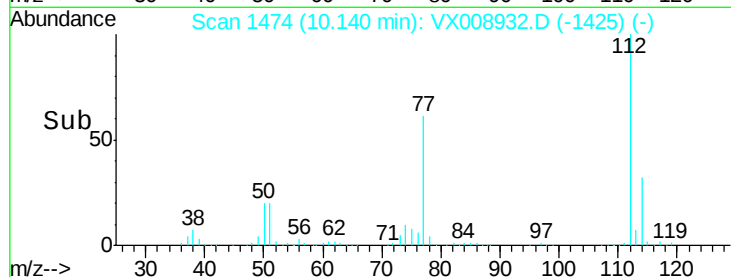
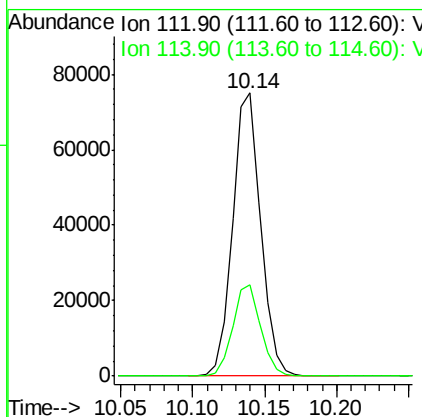
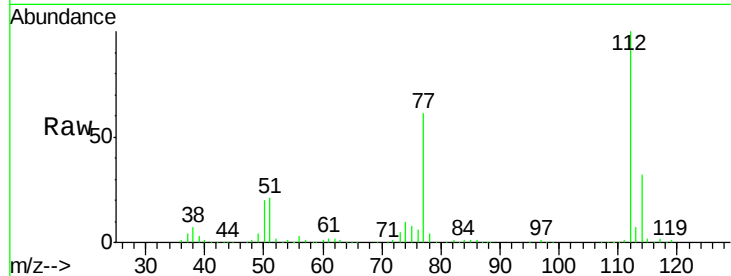
#65
Chlorobenzene
Concen: 19.694 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion:112 Resp: 102187
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

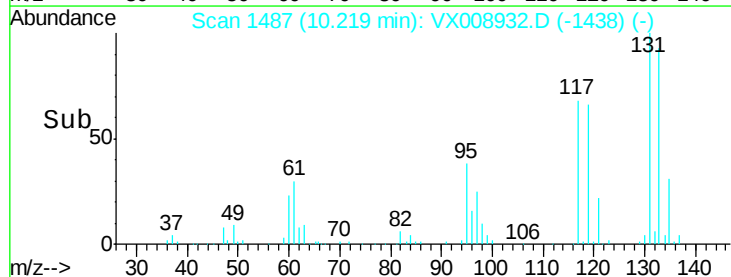
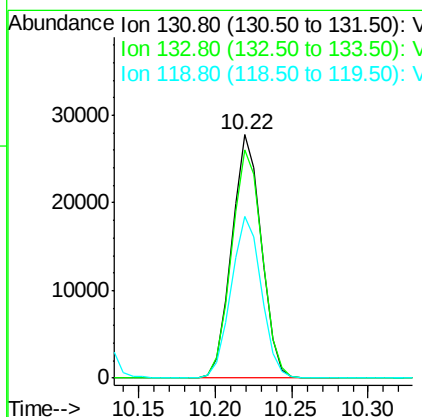
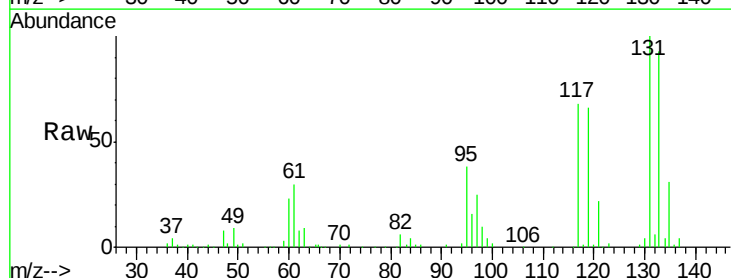
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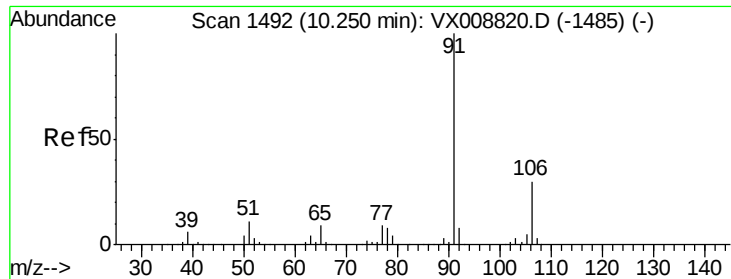
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.398 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion:131 Resp: 37131
Ion Ratio Lower Upper
131 100
133 96.8 47.0 141.2
119 67.8 33.7 101.0





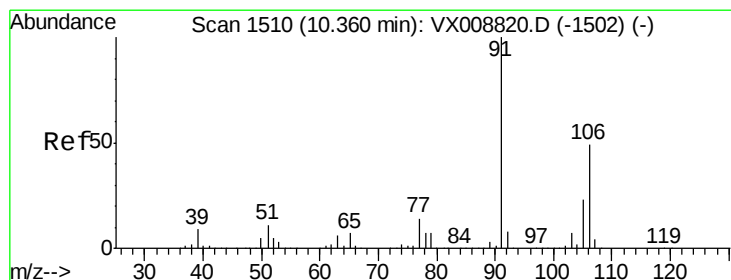
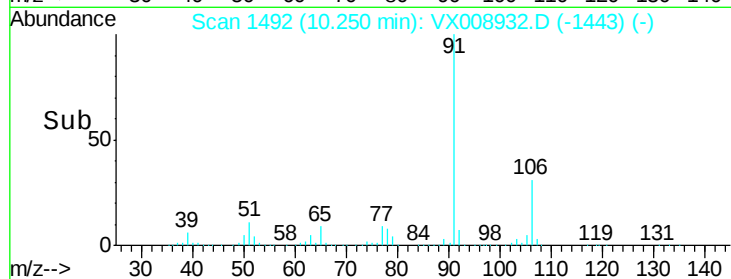
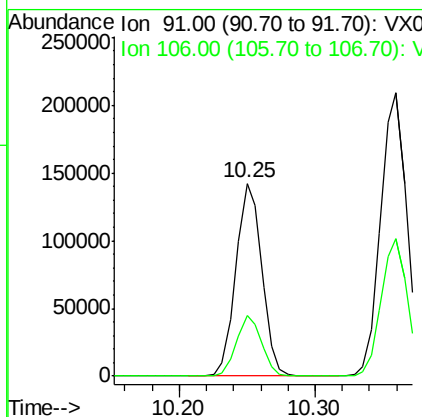
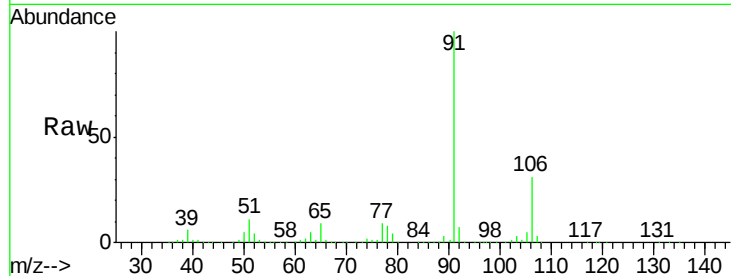
#67
Ethyl Benzene
Concen: 19.574 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion: 91 Resp: 189388
Ion Ratio Lower Upper
91 100
106 31.2 23.7 35.5

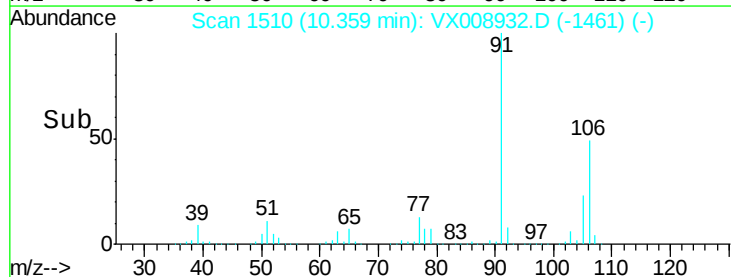
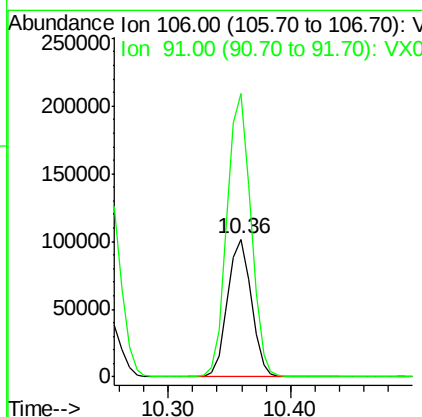
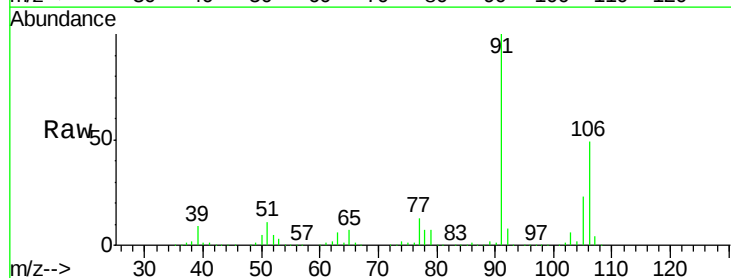
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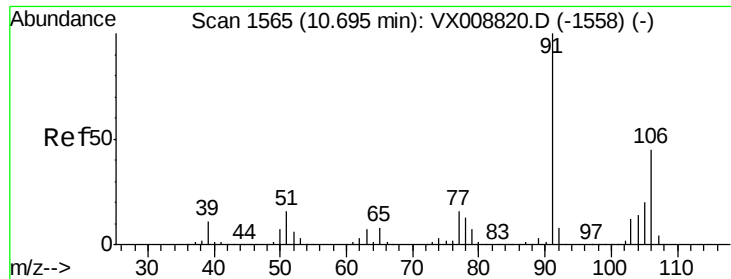
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#68
m/p-Xylenes
Concen: 39.318 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion: 106 Resp: 136778
Ion Ratio Lower Upper
106 100
91 205.6 168.5 252.7





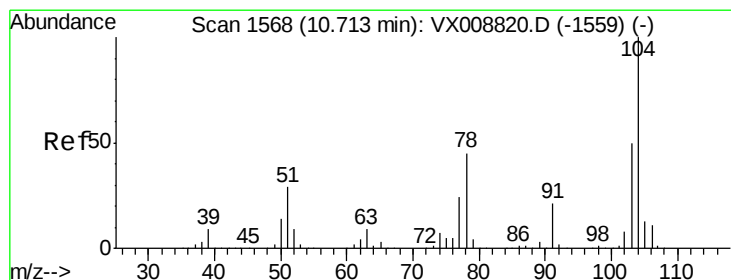
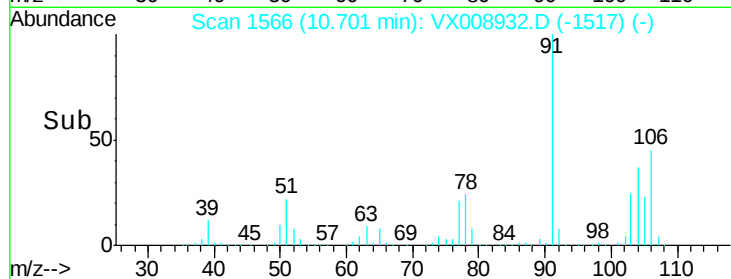
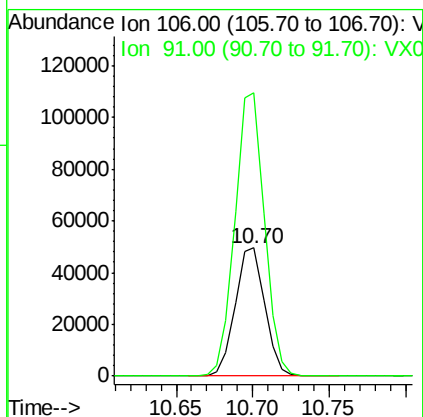
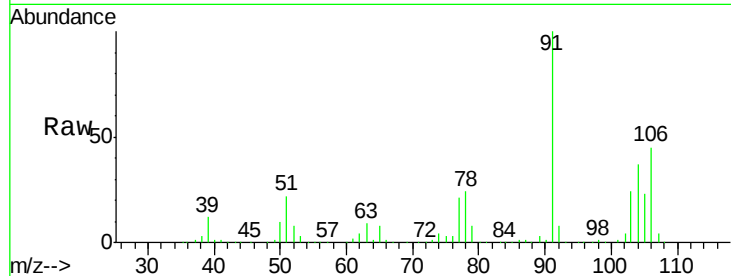
#69
o-Xylene
Concen: 19.706 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion:106 Resp: 66434
Ion Ratio Lower Upper
106 100
91 221.2 111.5 334.4

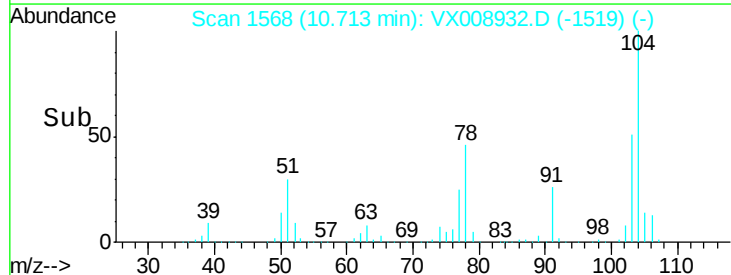
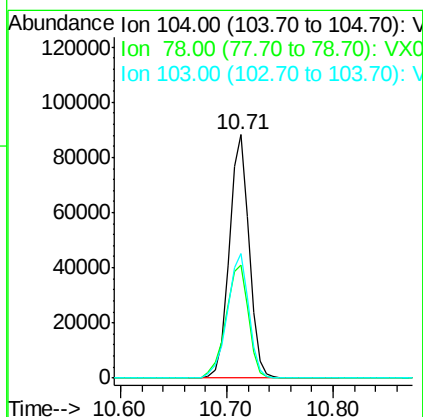
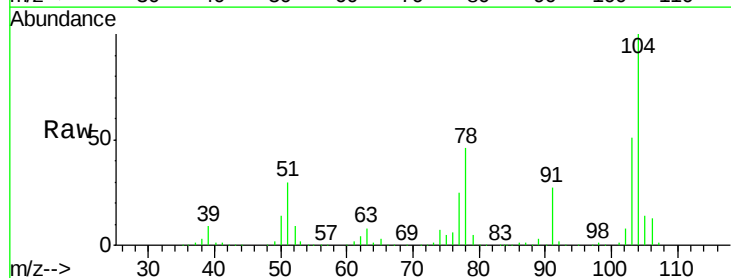
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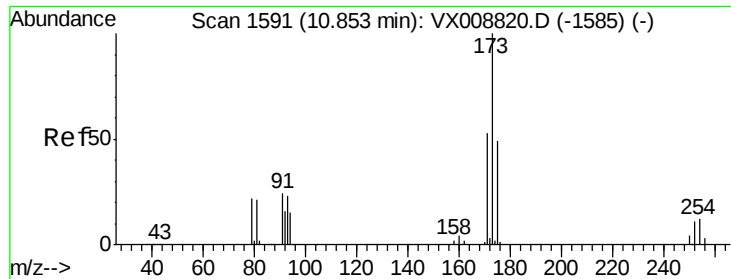
MMDadoda
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#70
Styrene
Concen: 19.764 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion:104 Resp: 114858
Ion Ratio Lower Upper
104 100
78 52.7 42.3 63.5
103 55.7 44.4 66.6





#71

Bromoform

Concen: 20.654 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

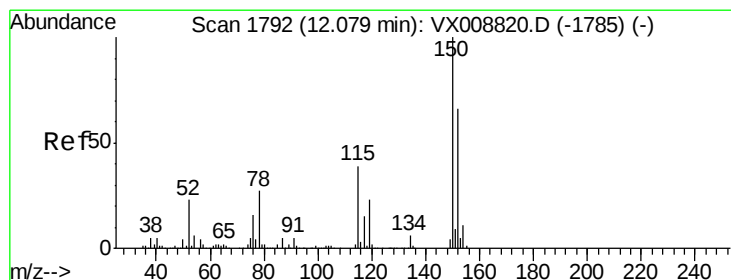
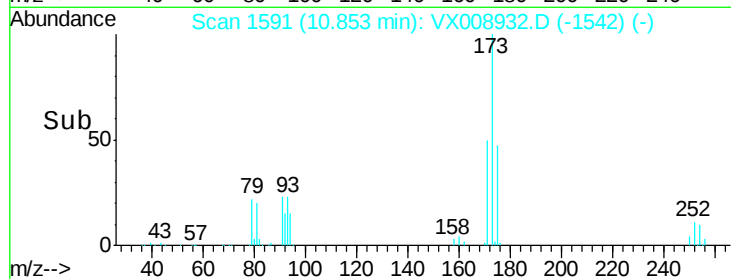
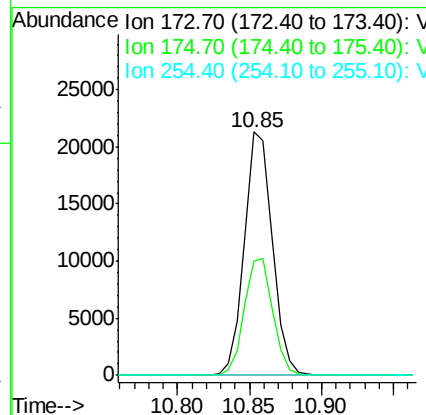
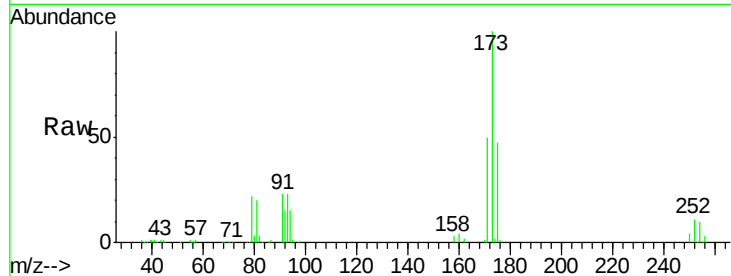
ClientSampleId :

VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.6
254	0.1	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

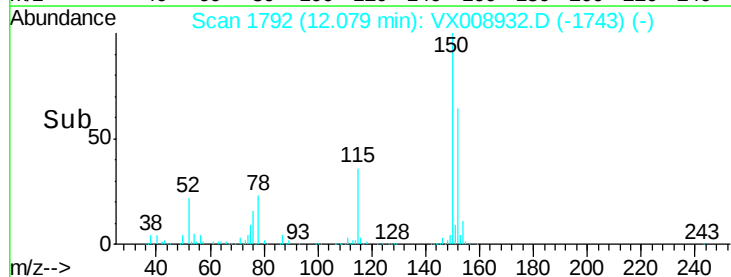
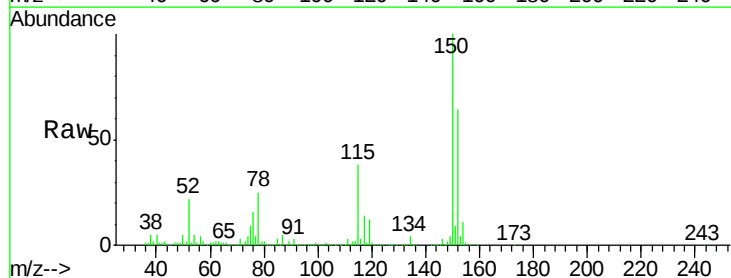
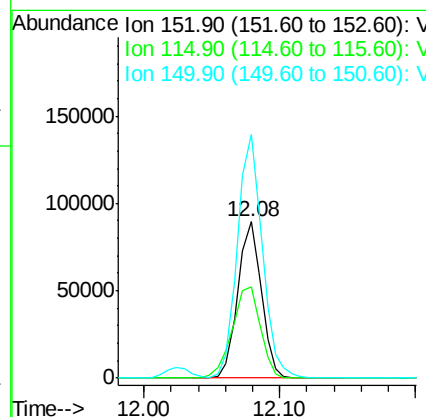
RT: 12.08 min Scan# 1792

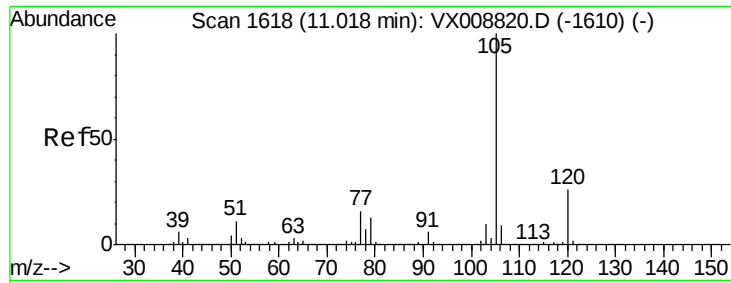
Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.2	43.5	130.5
150	164.6	0.0	348.8





#73

Isopropylbenzene

Concen: 20.051 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion: 105 Resp: 178805

Ion Ratio Lower Upper

105 100

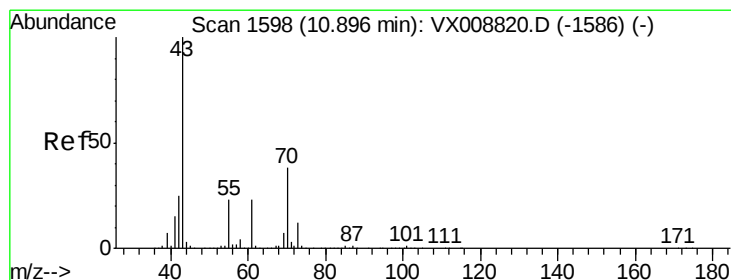
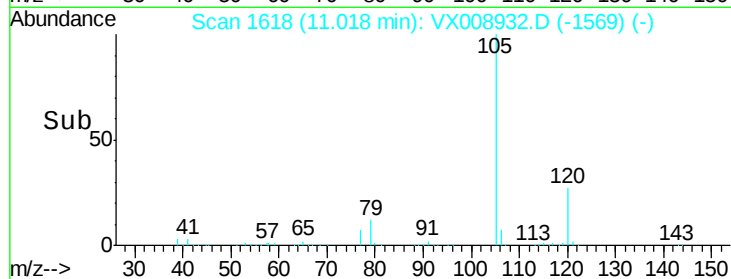
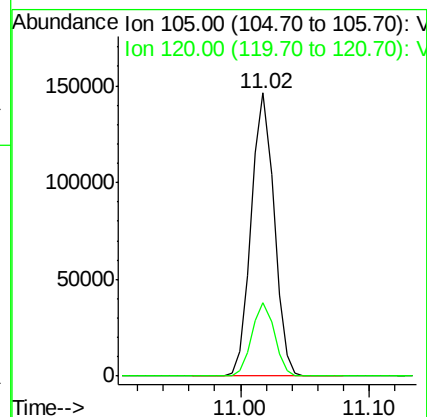
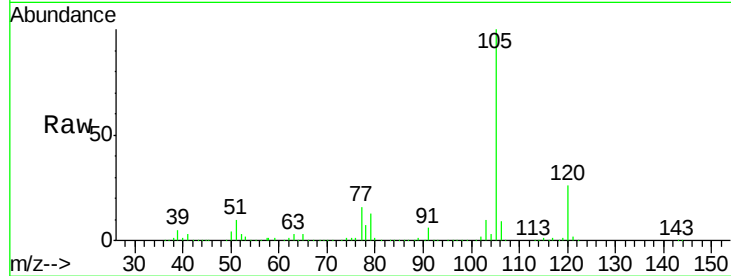
120 25.6 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.771 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion: 43 Resp: 108975

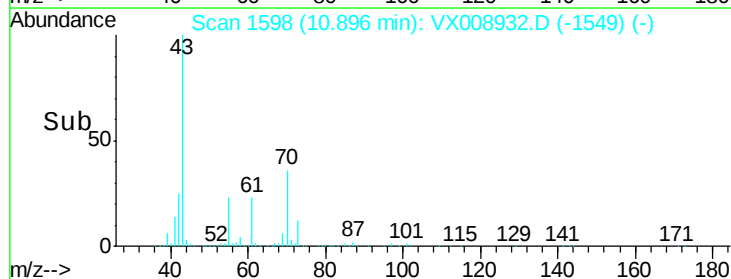
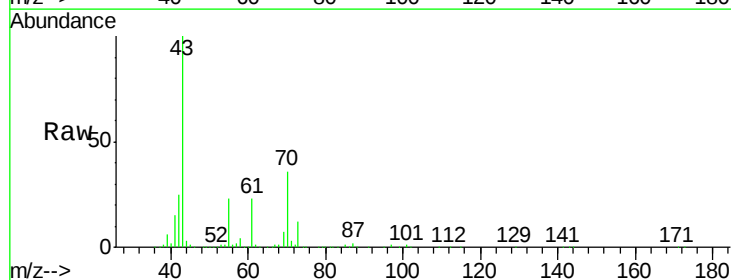
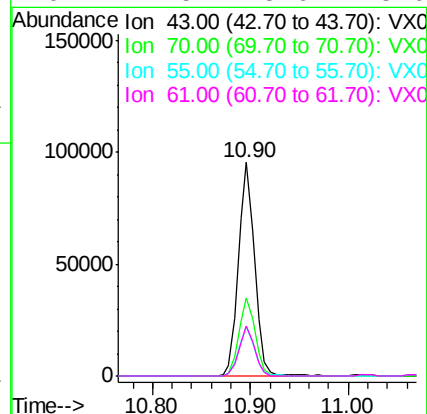
Ion Ratio Lower Upper

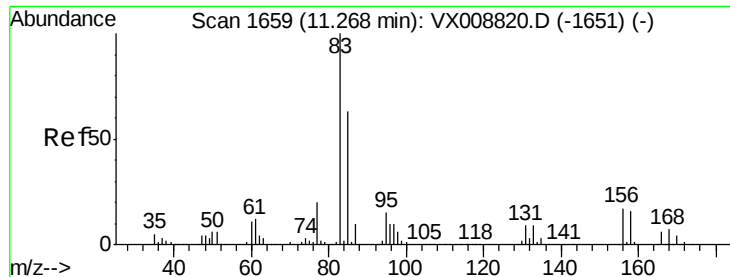
43 100

70 37.1 30.2 45.4

55 22.7 18.2 27.4

61 22.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.932 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

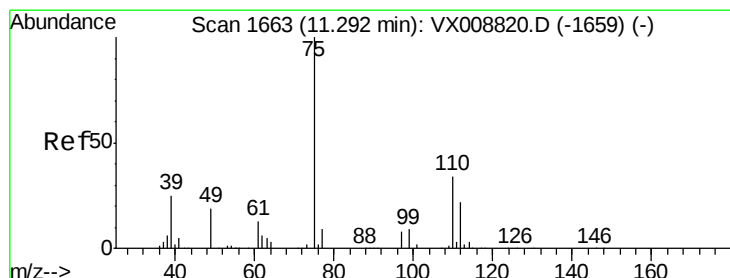
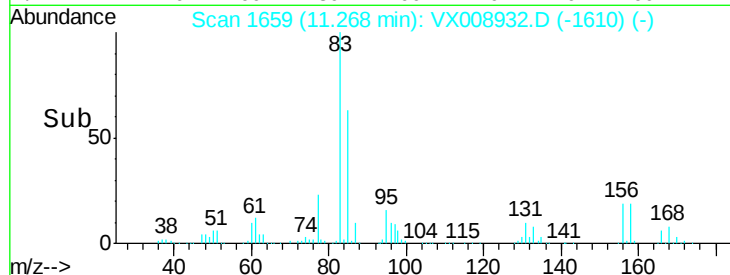
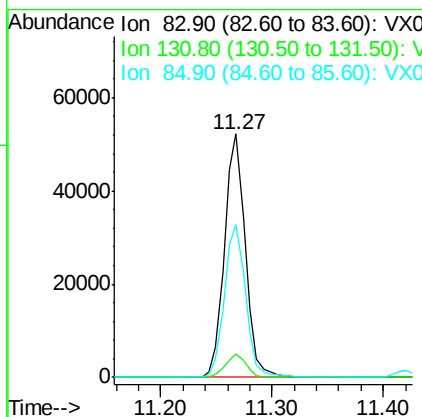
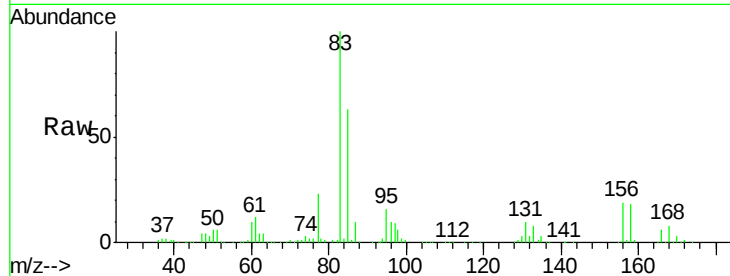
ClientSampleId :

VX0413WBSD01

Tot Ion:	83	Resp:	67597
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.7
85	64.0	32.0	96.2

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4/15/2019 12:55:37 PM



#76

1,2,3-Trichloropropane

Concen: 19.204 ug/l m

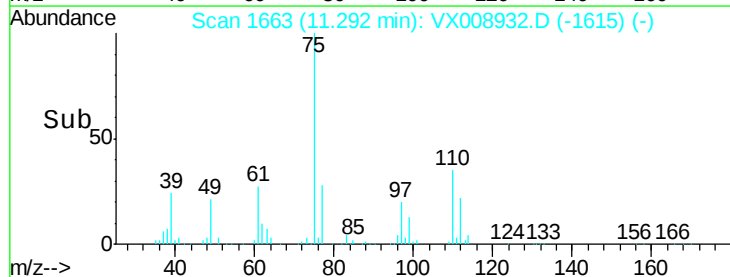
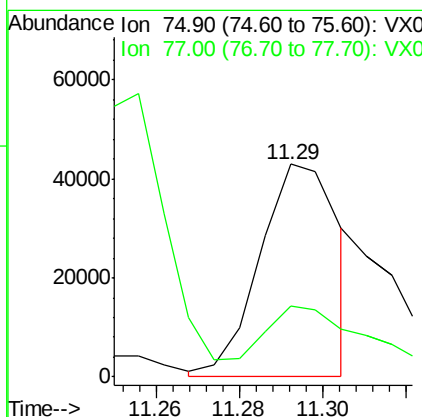
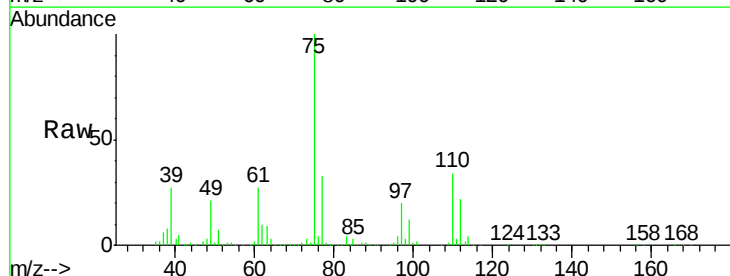
RT: 11.29 min Scan# 1663

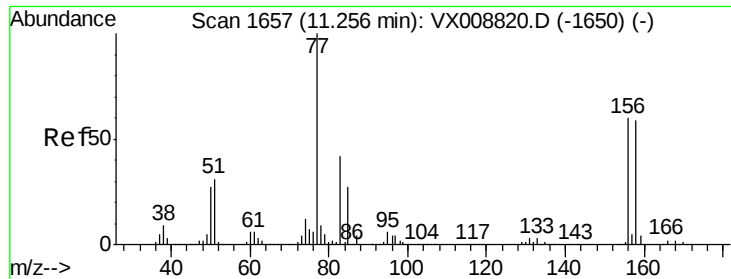
Delta R.T. -0.01 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	75	Resp:	56765
Ion Ratio	Lower	Upper	
75	100		
77	45.2	22.3	66.8





#77

Bromobenzene

Concen: 20.171 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

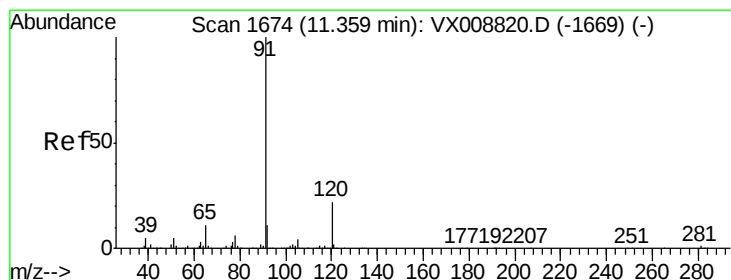
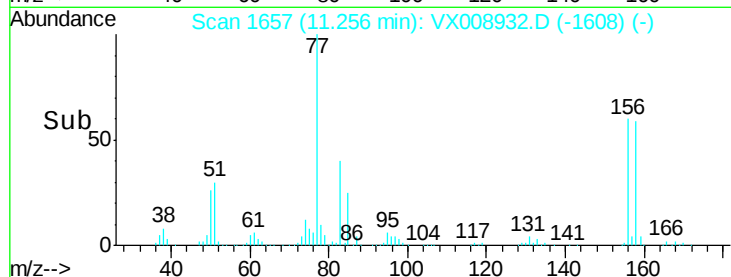
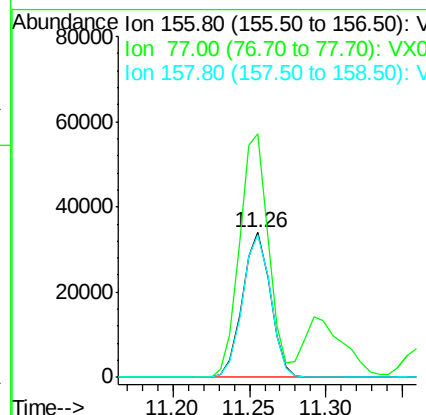
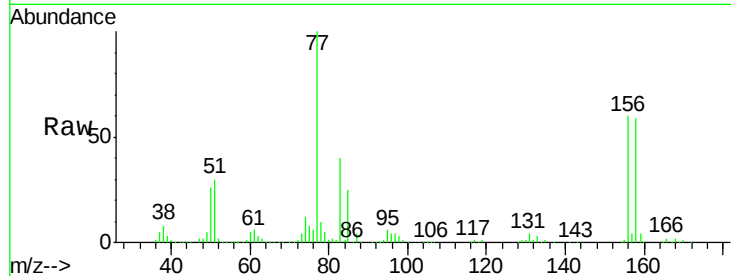
ClientSampleId :

VX0413WBSD01

Tot Ion:	156	Resp:	43242
Ion Ratio	Lower	Upper	
156	100		
77	173.1	89.8	269.6
158	98.9	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.480 ug/l

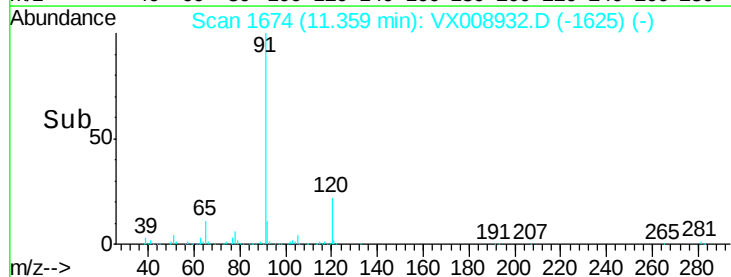
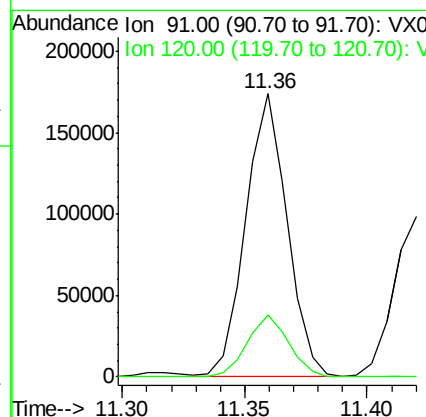
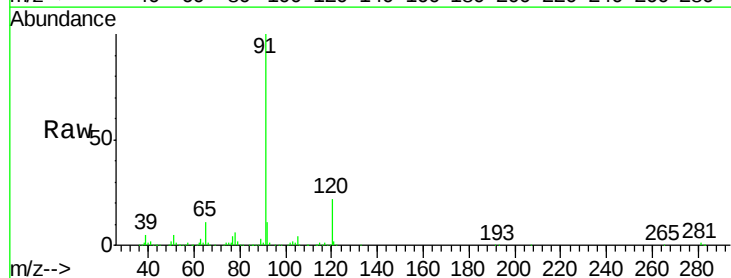
RT: 11.36 min Scan# 1674

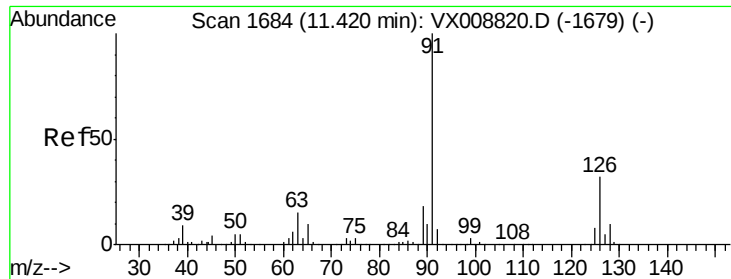
Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	91	Resp:	202259
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.9	32.7





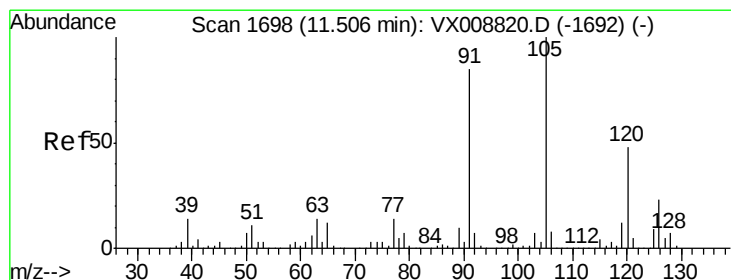
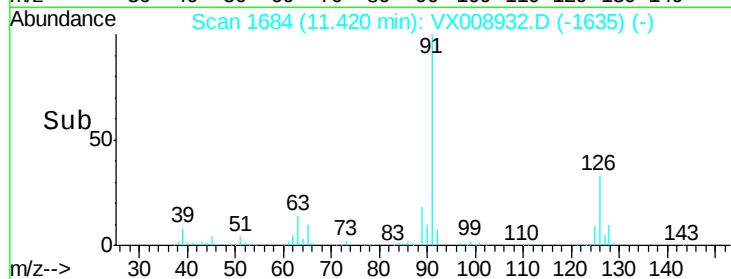
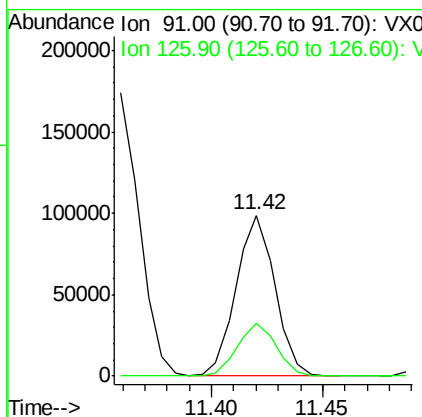
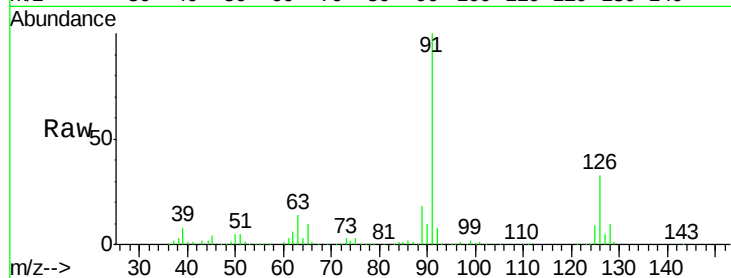
#79
 2-Chlorotoluene
 Concen: 19.112 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion: 91 Resp: 120089
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.1 48.3

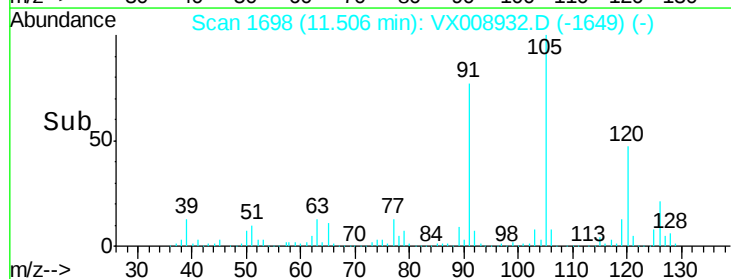
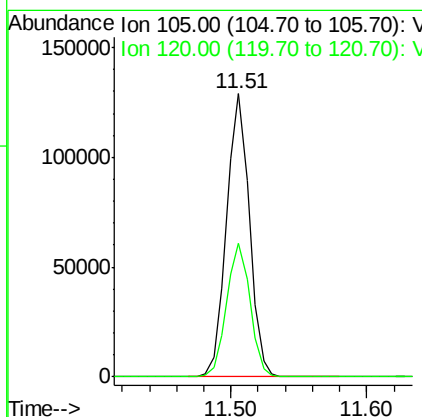
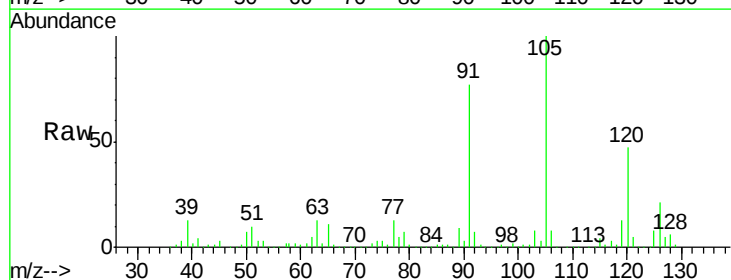
Manual Integrations
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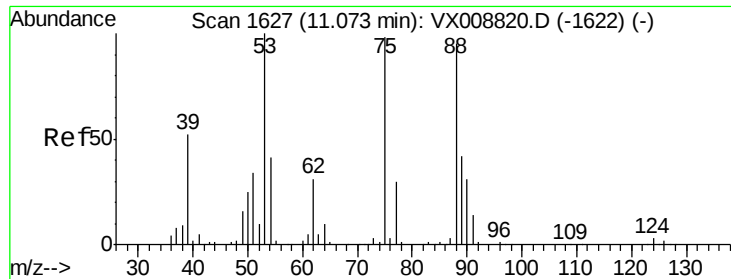
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.117 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Tgt Ion: 105 Resp: 150582
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.5 70.6





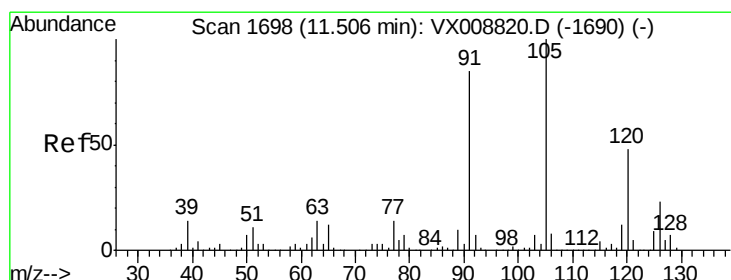
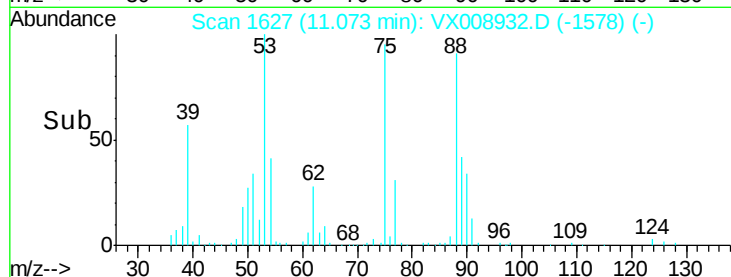
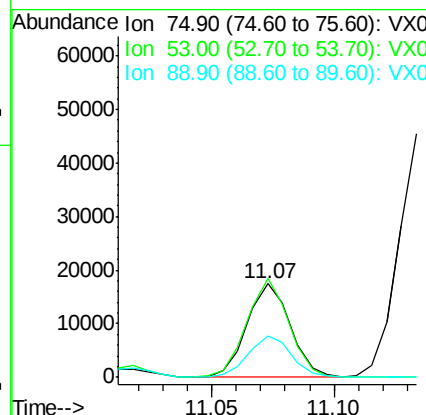
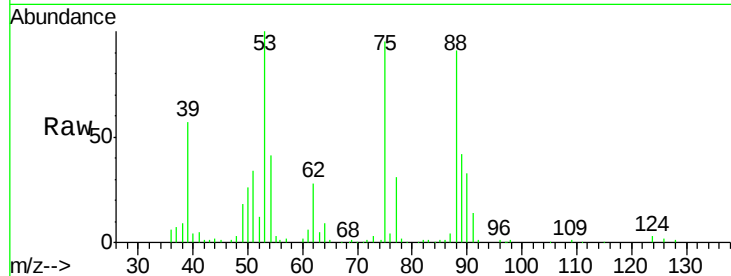
#81
trans-1,4-Dichloro-2-butene
Concen: 20.095 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	81.3	121.9
89	44.1	35.6	53.4

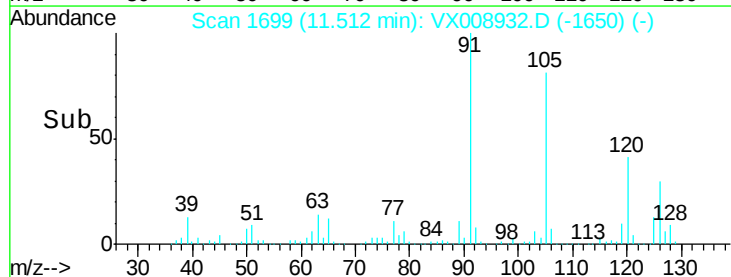
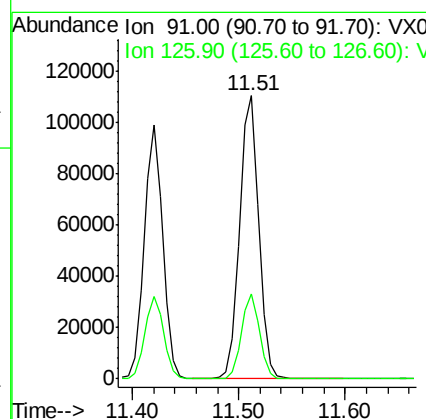
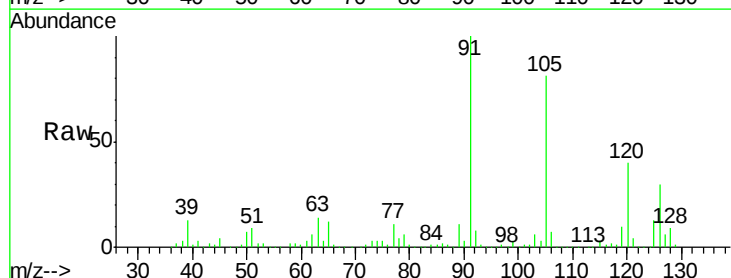
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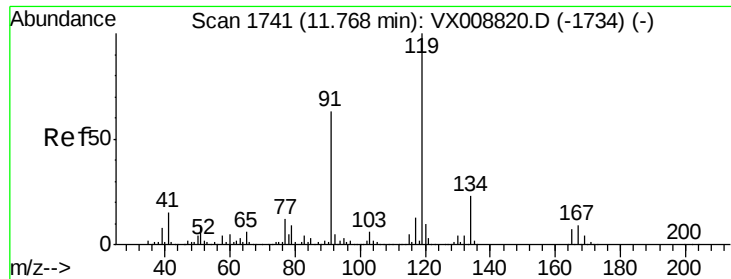
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.168 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	13.9	41.6





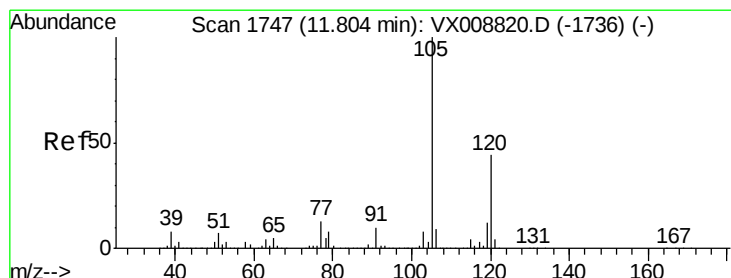
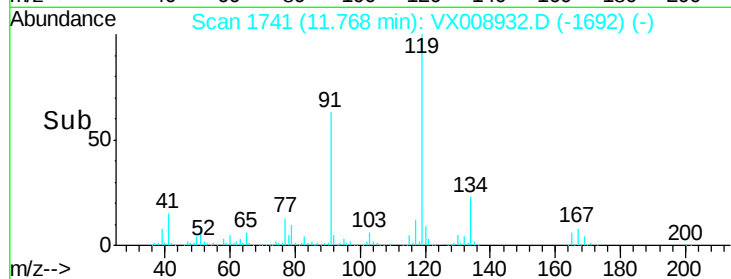
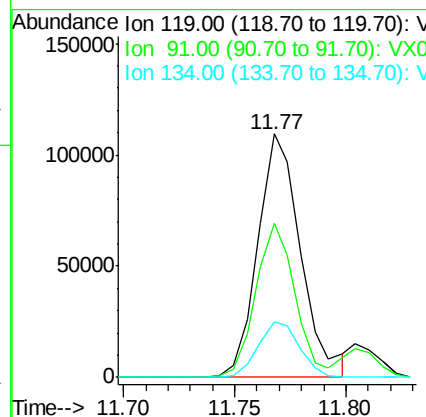
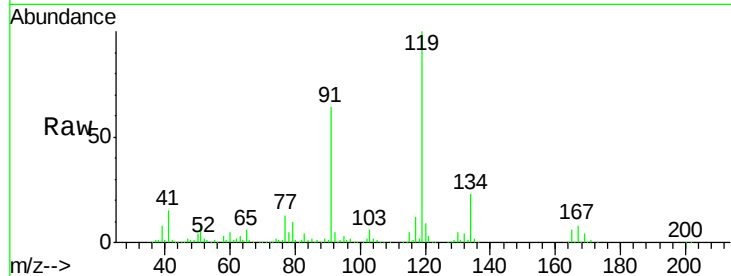
#83
tert-Butylbenzene
Concen: 20.346 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	146522		
91	58.3	30.0	90.1	
134	22.0	11.1	33.3	

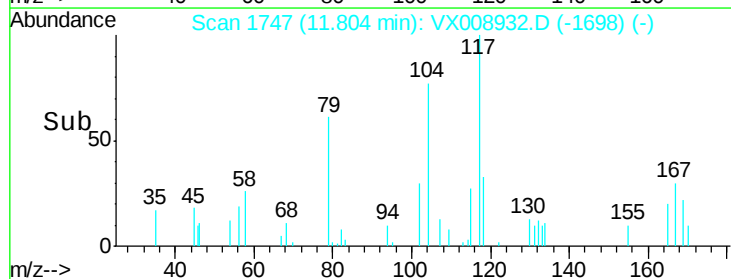
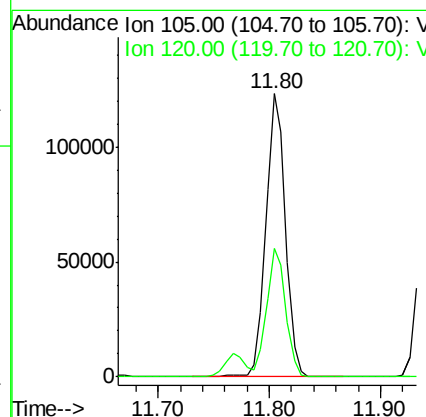
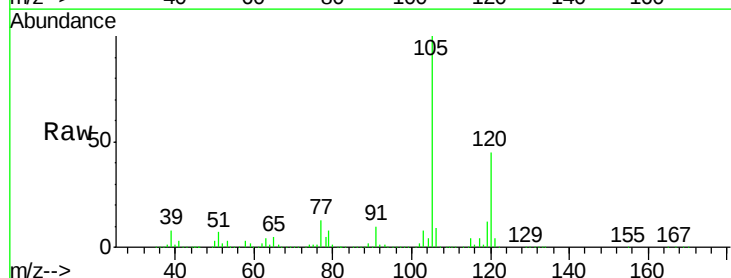
Manual Integrations
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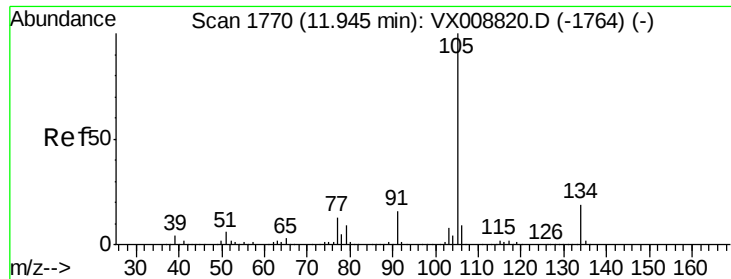
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.974 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008932.D
Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151388		
120	44.0	21.8	65.3	





#85

sec-Butylbenzene

Concen: 20.085 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBSD01

Tot Ion:105 Resp: 171813

Ion Ratio Lower Upper

105 100

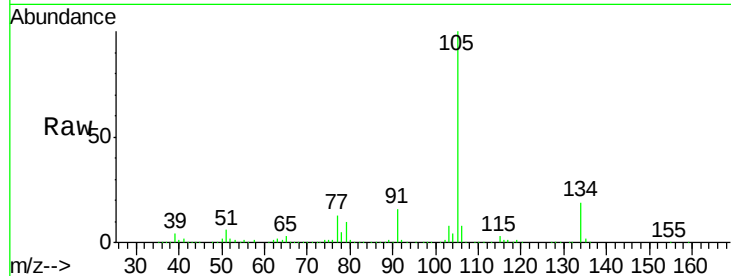
134 19.4 9.4 28.2

Manual Integrations

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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

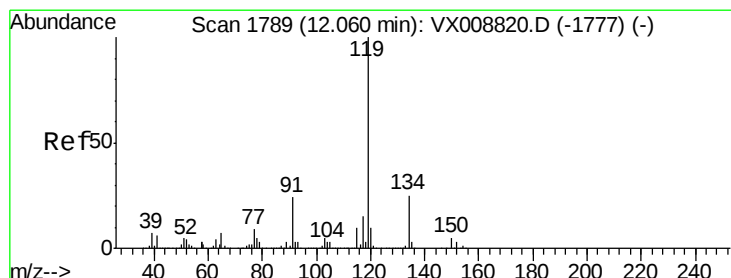
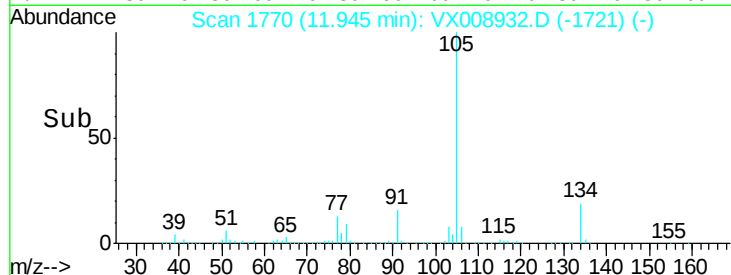
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.209 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

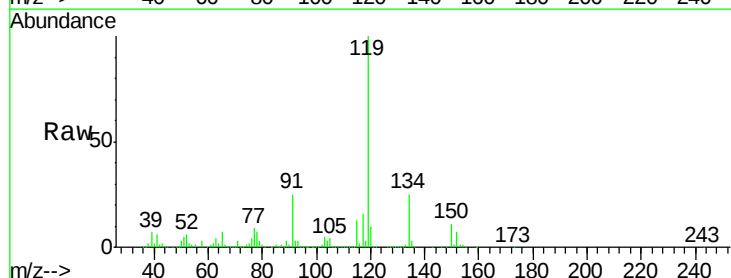
Tgt Ion:119 Resp: 155162

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.6 12.2 36.6



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

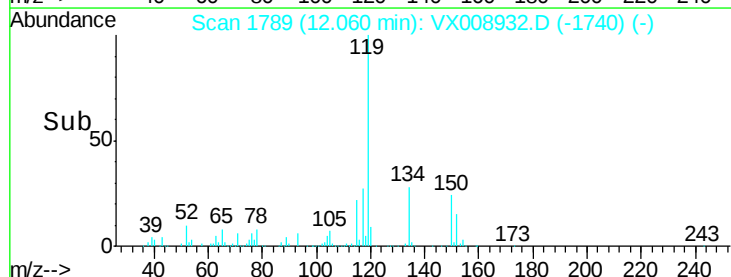
150000

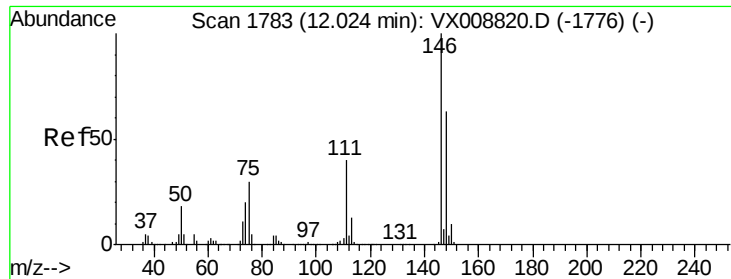
100000

50000

0

Time-->





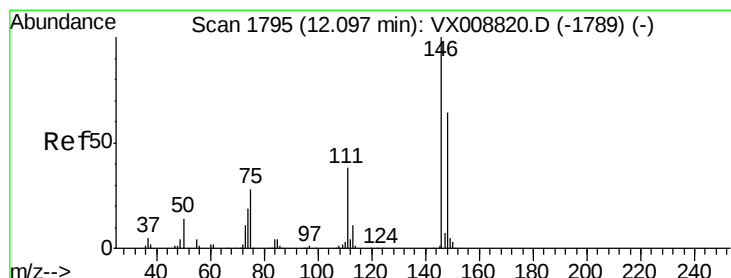
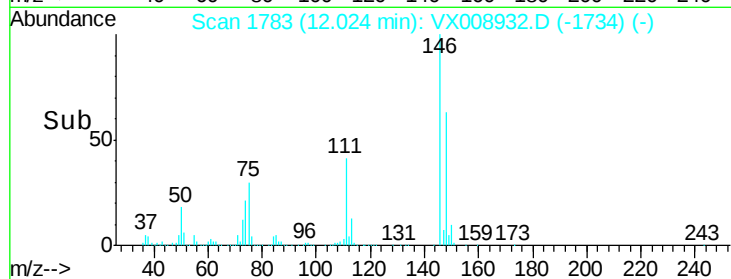
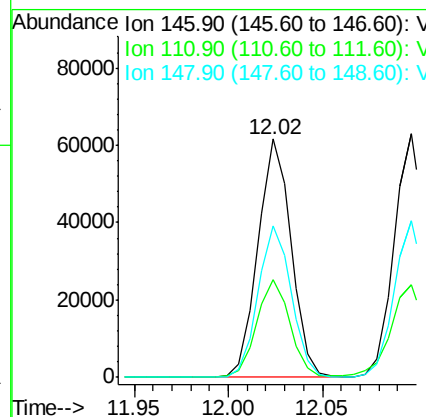
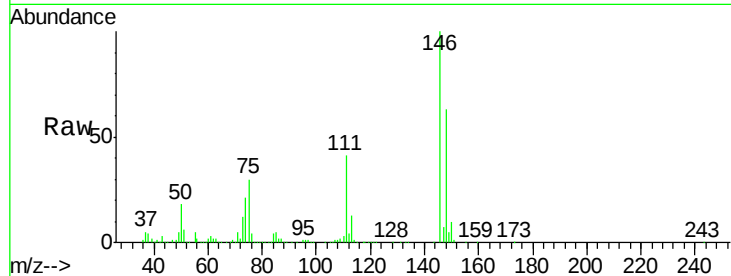
#87
 1,3-Dichlorobenzene
 Concen: 19.671 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.5
148	63.5	31.6	94.7

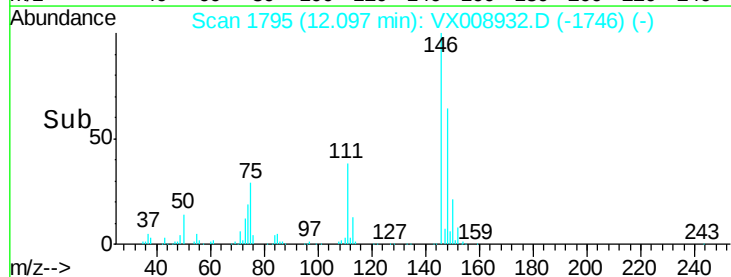
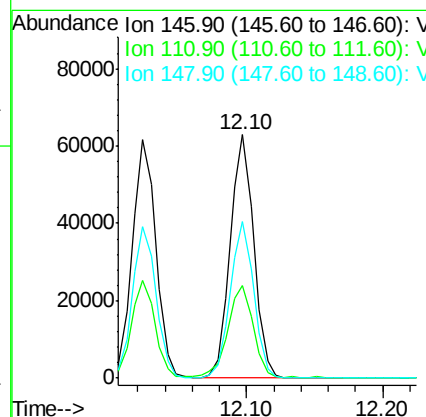
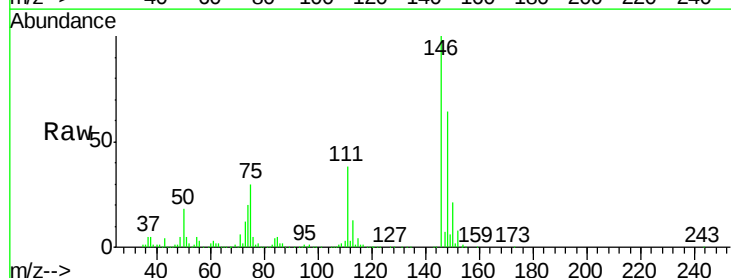
Manual Integrations
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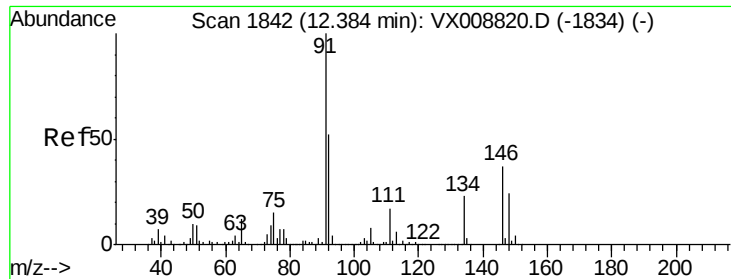
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#88
 1,4-Dichlorobenzene
 Concen: 19.462 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.6
148	63.9	32.0	96.0





#89

n-Butylbenzene

Concen: 19.876 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

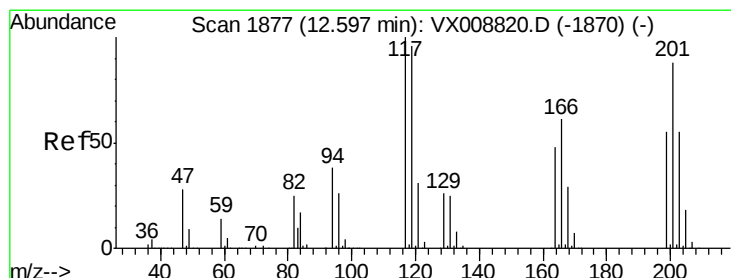
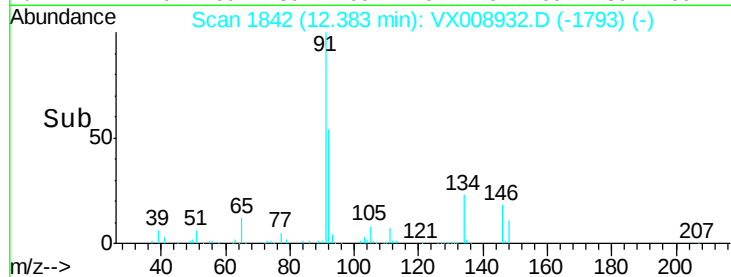
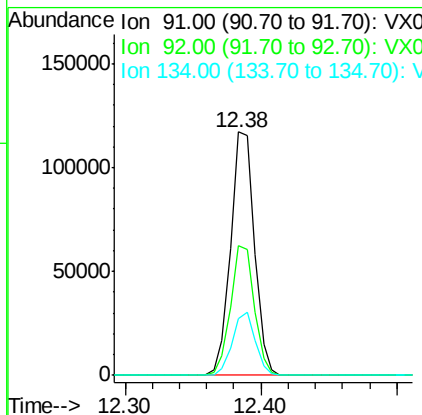
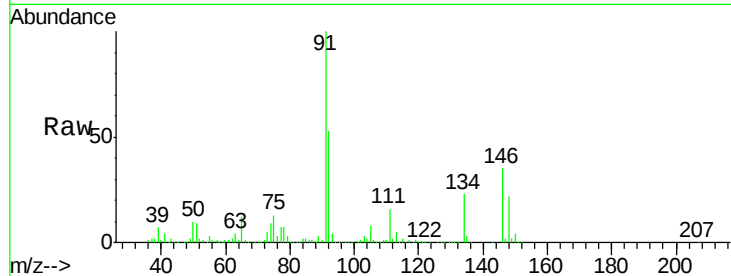
ClientSampleId :

VX0413WBSD01

Tot Ion:	91	Resp:	143110
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	24.7	12.0	36.0

Manual Integrations
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#90

Hexachloroethane

Concen: 19.981 ug/l

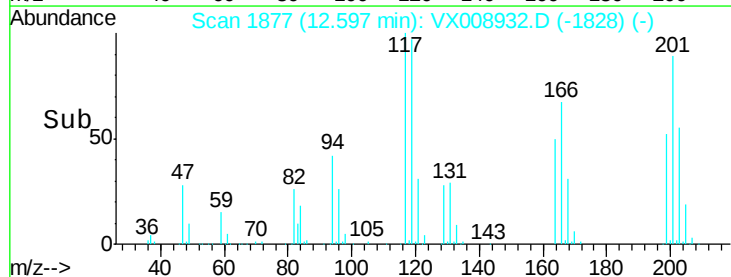
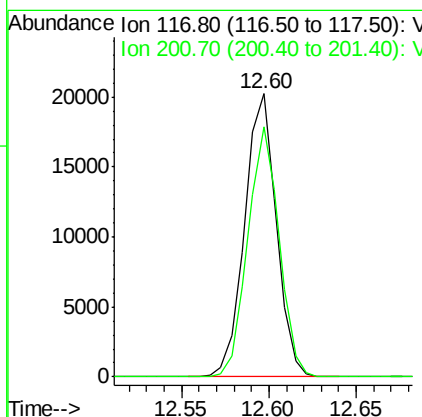
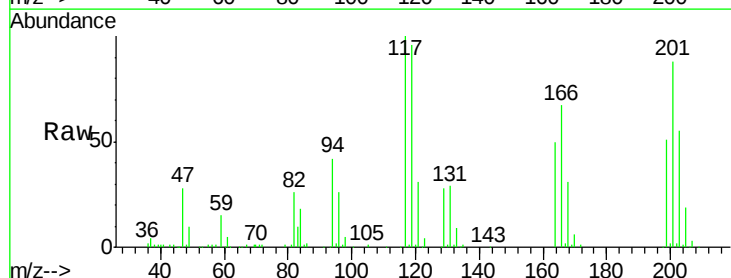
RT: 12.60 min Scan# 1877

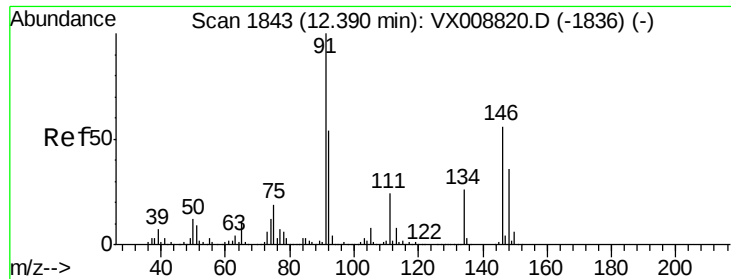
Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	117	Resp:	25444
Ion	Ratio	Lower	Upper
117	100		
201	87.1	40.6	122.0





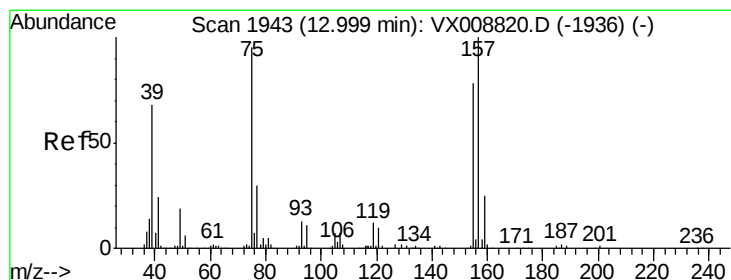
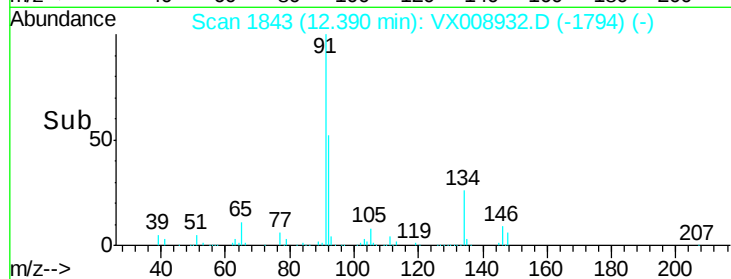
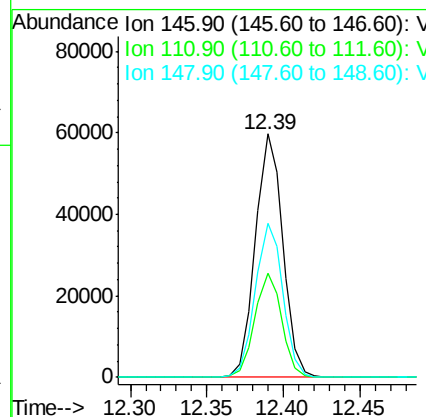
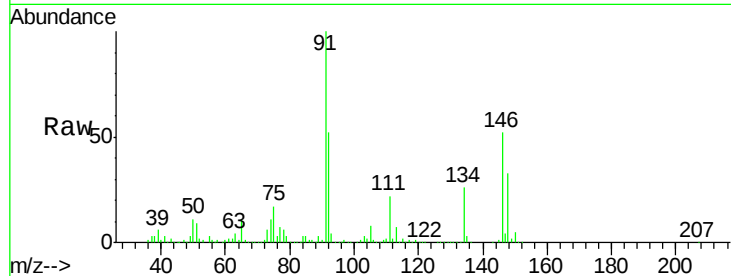
#91
 1,2-Dichlorobenzene
 Concen: 19.638 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.9
148	63.2	31.7	95.1

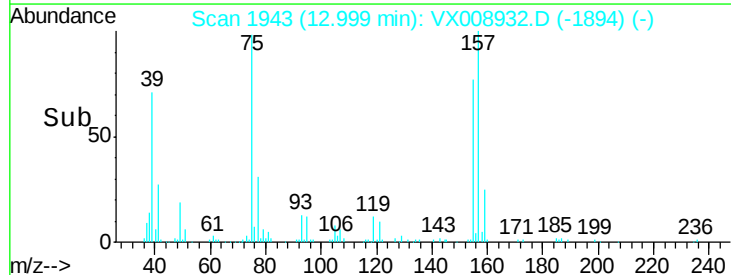
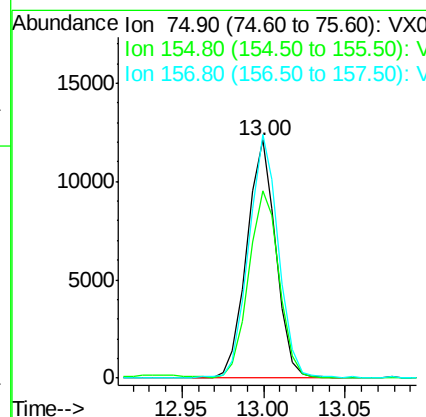
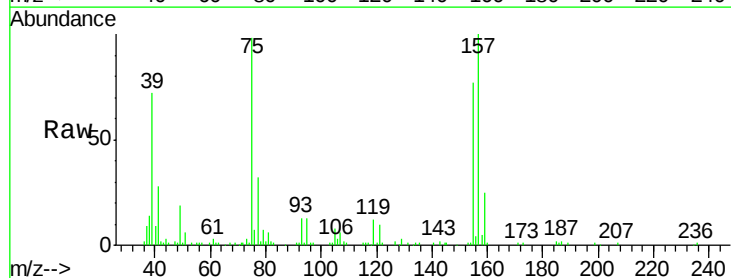
Manual Integrations
 APPROVED

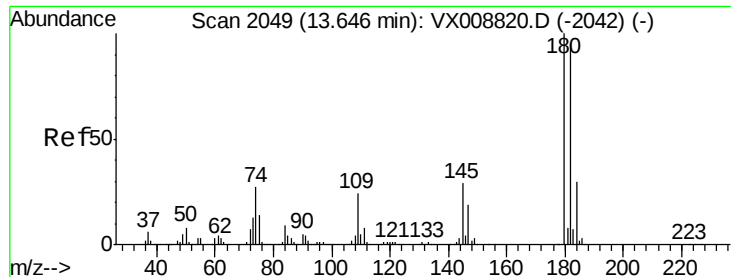
MMDadoda
 4/15/2019 12:55:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.251 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	39.9	119.6
157	104.2	51.5	154.7





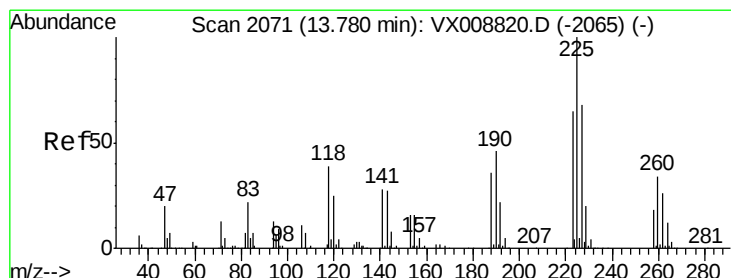
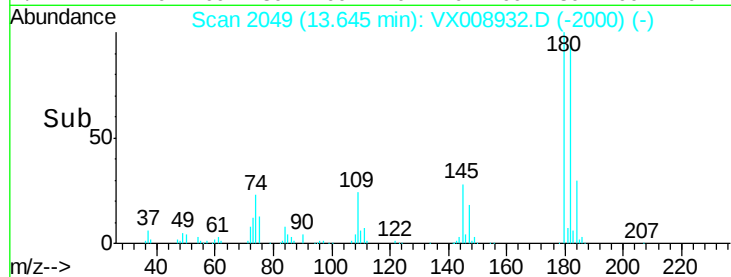
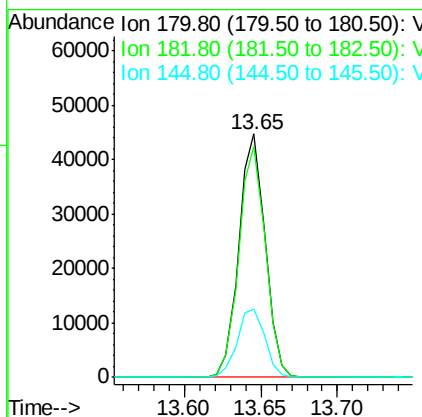
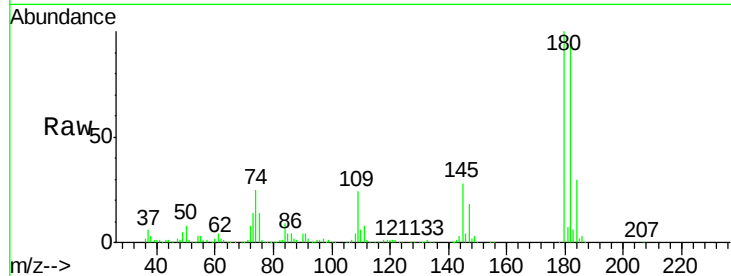
#93
 1,2,4-Trichlorobenzene
 Concen: 20.065 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBSD01

Tot Ion:	180	Resp:	53160
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.2	141.6
145	29.6	15.3	45.9

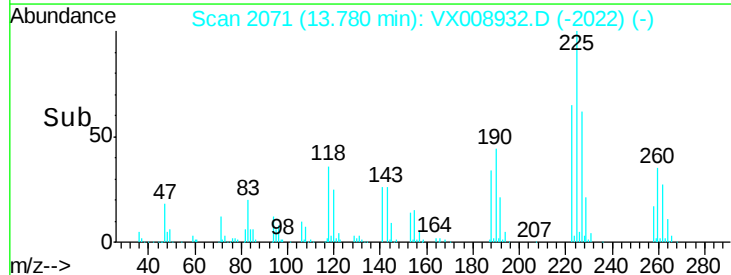
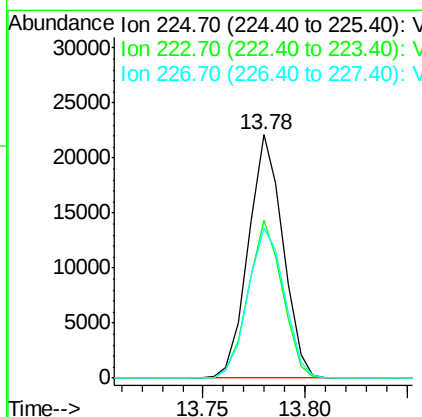
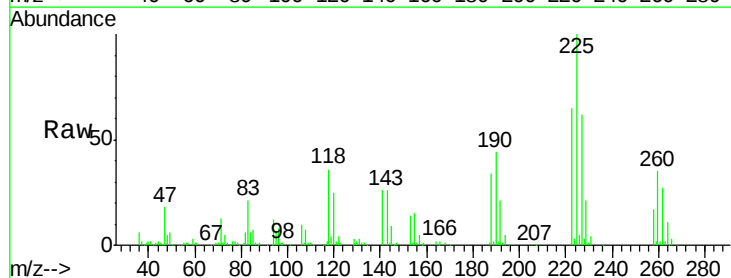
Manual Integrations
 APPROVED

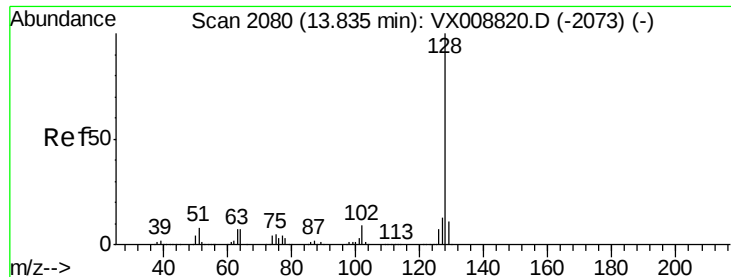
MMDadoda
 4/15/2019 12:55:37 PM



#94
 Hexachlorobutadiene
 Concen: 20.503 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008932.D
 Acq: 13 Apr 2019 15:22

Tgt Ion:	225	Resp:	26051
Ion Ratio	Lower	Upper	
225	100		
223	64.1	31.2	93.6
227	64.9	31.9	95.5





#95

Naphthalene

Concen: 20.695 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Instrument :

MSVOA_X

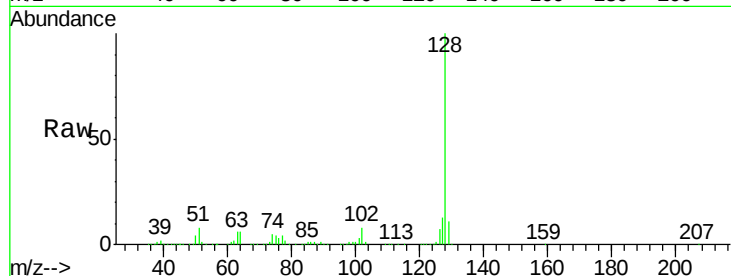
ClientSampleId :

VX0413WBSD01

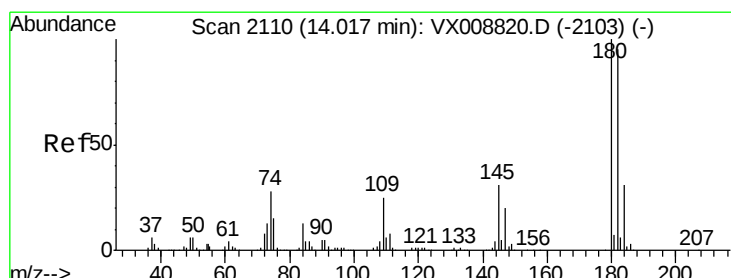
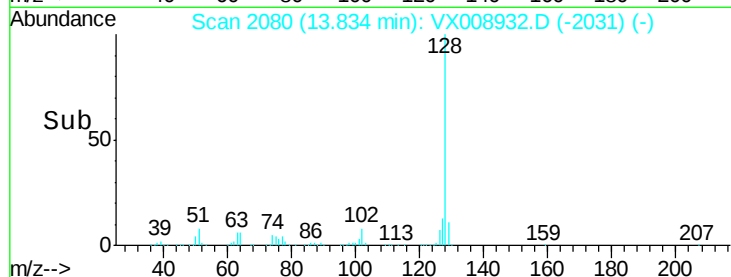
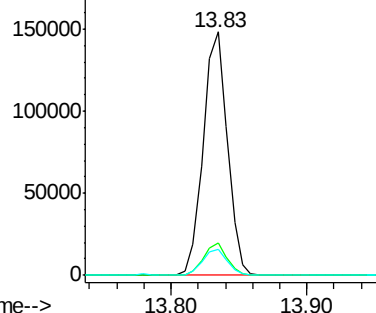
Tot Ion:	128	Resp:	183246
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/15/2019 12:55:37 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.076 ug/l

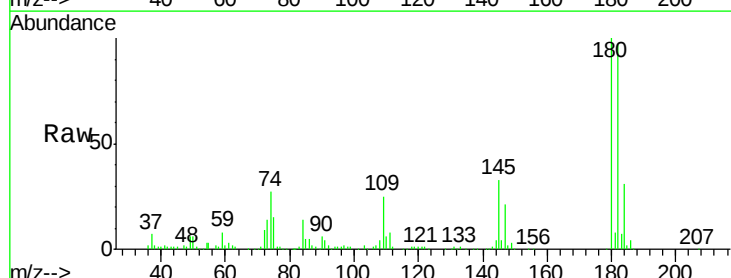
RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008932.D

Acq: 13 Apr 2019 15:22

Tgt Ion:	180	Resp:	53144
Ion Ratio		Lower	Upper
180	100		
182	96.5	48.1	144.3
145	31.6	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

