

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110618\
 Data File : VX005803.D
 Acq On : 06 Nov 2018 12:38
 Operator : JC/MD
 Sample : VX1106WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/7/2018 11:02:37 AM

Quant Time: Nov 07 08:34:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	294785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	258994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	118812	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
35) Dibromofluoromethane	5.51	113	92092	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
50) Toluene-d8	8.71	98	347295	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.14	95	121289	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39696	19.258	ug/l	94
3) Chloromethane	1.32	50	42019	17.283	ug/l	97
4) Vinyl Chloride	1.41	62	46767	18.488	ug/l	97
5) Bromomethane	1.64	94	33510	10.676	ug/l	98
6) Chloroethane	1.72	64	29567	20.008	ug/l	99
7) Trichlorofluoromethane	1.93	101	56799	17.494	ug/l	94
8) Diethyl Ether	2.19	74	25834	17.702	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	35295	17.896	ug/l	91
10) Methyl Iodide	2.51	142	37094	20.513	ug/l	96
11) Tert butyl alcohol	3.07	59	58213	82.170	ug/l	100
12) 1,1-Dichloroethene	2.37	96	33441	17.401	ug/l	96
13) Acrolein	2.29	56	40273	87.763	ug/l	97
14) Allyl chloride	2.73	41	68135	17.146	ug/l #	96
15) Acrylonitrile	3.15	53	138152	88.681	ug/l	98
16) Acetone	2.45	43	113980	78.584	ug/l	93
17) Carbon Disulfide	2.57	76	89883	15.220	ug/l	96
18) Methyl Acetate	2.78	43	65708	17.551	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	129210	19.424	ug/l	98
20) Methylene Chloride	2.85	84	42223	18.769	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	35127	17.274	ug/l	98
22) Diisopropyl ether	3.87	45	134320	18.222	ug/l #	96
23) Vinyl Acetate	3.82	43	570834	88.906	ug/l	98
24) 1,1-Dichloroethane	3.70	63	72333	17.353	ug/l	99
25) 2-Butanone	4.70	43	182317	82.850	ug/l	96
26) 2,2-Dichloropropane	4.58	77	54199	17.395	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	40466	17.709	ug/l	98
28) Bromochloromethane	5.02	49	37073	18.231	ug/l	96
29) Tetrahydrofuran	5.16	42	112413	83.694	ug/l	90
30) Chloroform	5.21	83	72138	17.701	ug/l	97
31) Cyclohexane	5.58	56	60417	17.333	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	55827	17.117	ug/l	96
36) 1,1-Dichloropropene	5.80	75	50813	16.179	ug/l	97
37) Ethyl Acetate	4.85	43	64872	16.190	ug/l	96
38) Carbon Tetrachloride	5.79	117	48613	17.132	ug/l	94

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Manual Integrations
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MMDadoda
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Quant Time: Nov 07 08:34:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58533	17.870	ug/l	98
40) Benzene	6.15	78	156289	16.727	ug/l	96
41) Methacrylonitrile	5.06	41	36062	16.657	ug/l	96
42) 1,2-Dichloroethane	6.20	62	57911	16.768	ug/l	99
43) Isopropyl Acetate	6.46	43	100078	17.208	ug/l	97
44) Trichloroethene	7.21	130	39733	18.386	ug/l	98
45) 1,2-Dichloropropane	7.52	63	43324	18.094	ug/l	97
46) Dibromomethane	7.66	93	26113	17.065	ug/l	90
47) Bromodichloromethane	7.90	83	47950	16.705	ug/l	97
48) Methyl methacrylate	7.77	41	49935	17.740	ug/l	96
49) 1,4-Dioxane	7.75	88	20216	322.537	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	341330	86.075	ug/l	94
52) Toluene	8.79	92	91877	18.179	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52045	16.731	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	63648	19.098	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	39424	17.962	ug/l	92
56) Ethyl methacrylate	9.18	69	57760	17.208	ug/l	97
57) 1,3-Dichloropropane	9.37	76	65593	17.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	185976	94.592	ug/l	96
59) 2-Hexanone	9.49	43	254863	78.976	ug/l	94
60) Dibromochloromethane	9.59	129	35668	16.818	ug/l	100
61) 1,2-Dibromoethane	9.67	107	39728	17.764	ug/l	100
64) Tetrachloroethene	9.34	164	38399	20.294	ug/l	82
65) Chlorobenzene	10.14	112	96043	17.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	33814	17.947	ug/l	97
67) Ethyl Benzene	10.25	91	166488	17.725	ug/l	96
68) m/p-Xylenes	10.36	106	126079	36.123	ug/l	97
69) o-Xylene	10.70	106	60804	18.215	ug/l	97
70) Styrene	10.71	104	101479	18.303	ug/l	99
71) Bromoform	10.86	173	25878	16.952	ug/l #	99
73) Isopropylbenzene	11.02	105	167970	19.980	ug/l	99
74) N-amyl acetate	10.90	43	80019	17.878	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	63453	18.192	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	60184m	18.963	ug/l	
77) Bromobenzene	11.26	156	41096	19.706	ug/l	90
78) n-propylbenzene	11.36	91	198214	19.381	ug/l	96
79) 2-Chlorotoluene	11.42	91	116977	19.150	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	139656	19.564	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17624	17.941	ug/l	96
82) 4-Chlorotoluene	11.51	91	138087	18.936	ug/l	98
83) tert-Butylbenzene	11.77	119	134841	19.798	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	143880	19.961	ug/l	98
85) sec-Butylbenzene	11.94	105	170940	19.565	ug/l	98
86) p-Isopropyltoluene	12.07	119	145657	19.602	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	76601	18.996	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	77547	17.901	ug/l	97
89) n-Butylbenzene	12.39	91	138703	18.501	ug/l	99
90) Hexachloroethane	12.60	117	22202	16.841	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	77772	18.461	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14841	18.142	ug/l	93

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VX1106WBS01

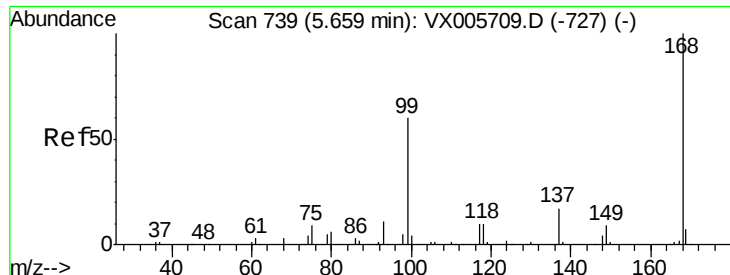
Manual Integrations
APPROVED

MMDadoda
11/7/2018 11:02:37 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55598	20.577	ug/l	98
94) Hexachlorobutadiene	13.78	225	24337	18.619	ug/l	97
95) Naphthalene	13.83	128	192785	21.696	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	55933	20.334	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion:168 Resp: 178430

Ion Ratio Lower Upper

168 100

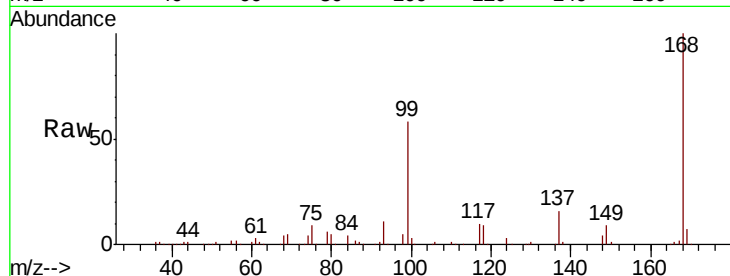
99 58.0 40.7 61.1

Manual Integrations

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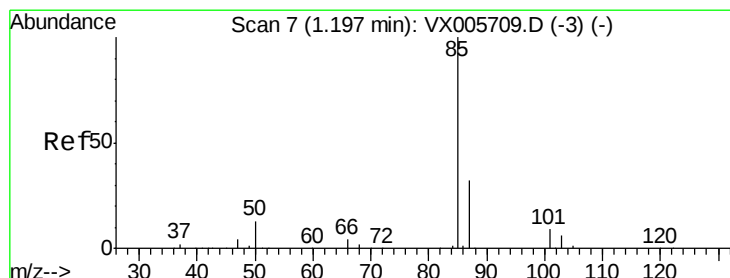
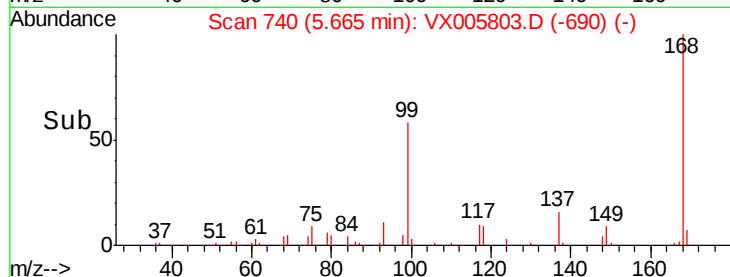
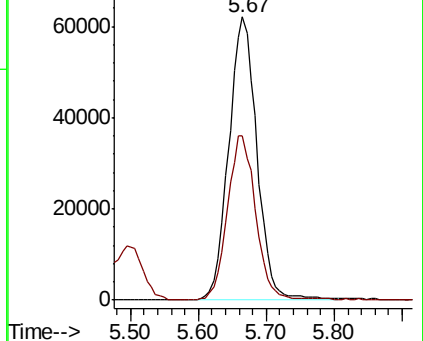
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11/7/2018 11:02:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.258 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005803.D

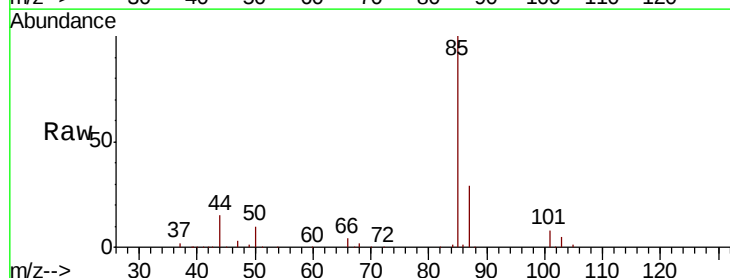
Acq: 06 Nov 2018 12:38

Tgt Ion: 85 Resp: 39696

Ion Ratio Lower Upper

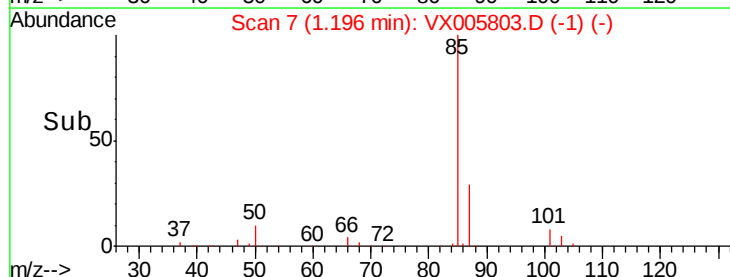
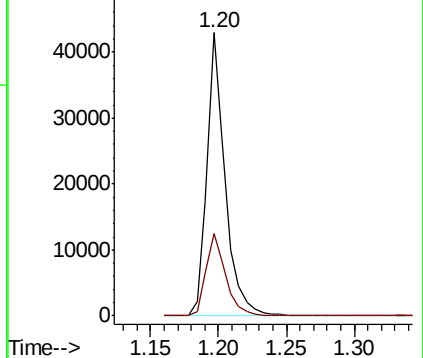
85 100

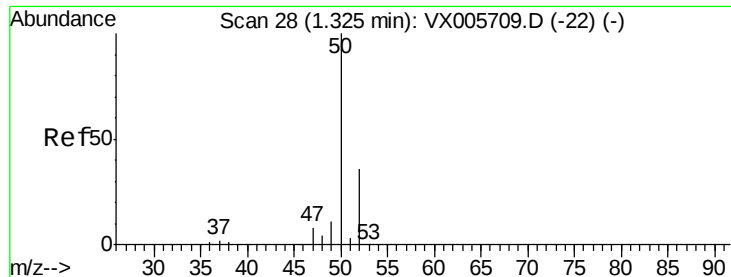
87 29.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.283 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion: 50 Resp: 42019

Ion Ratio Lower Upper

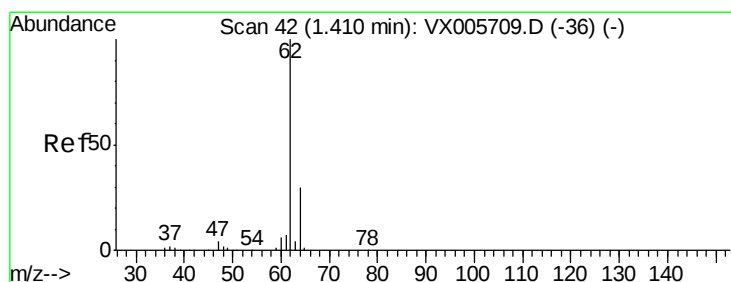
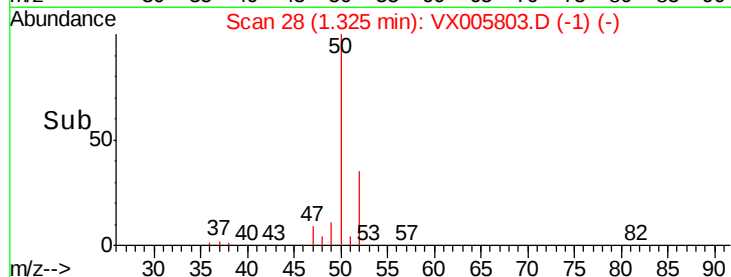
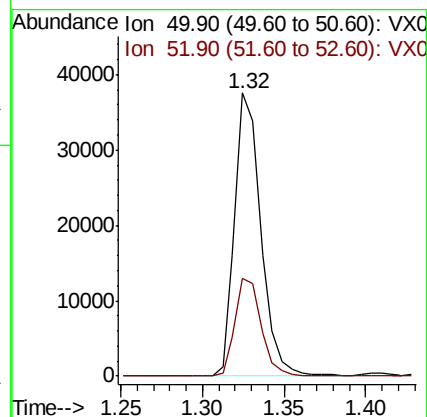
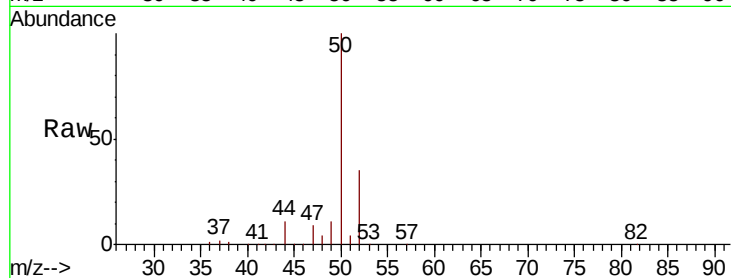
50 100

52 34.5 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.488 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX005803.D

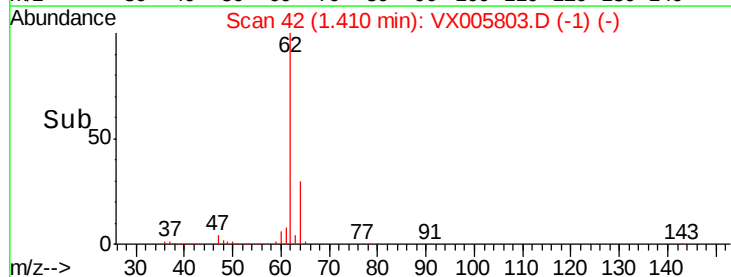
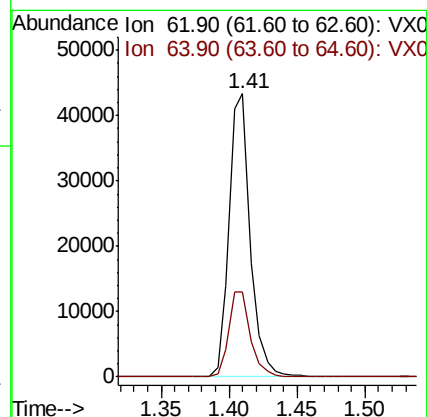
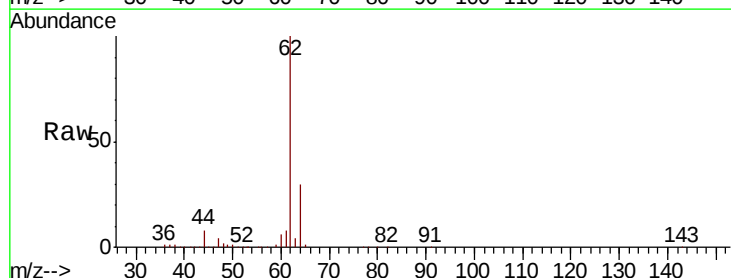
Acq: 06 Nov 2018 12:38

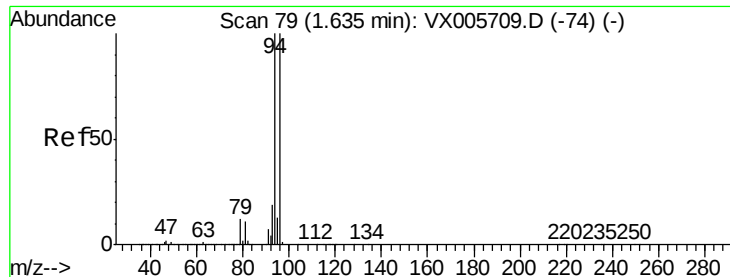
Tgt Ion: 62 Resp: 46767

Ion Ratio Lower Upper

62 100

64 30.1 25.3 37.9





#5

Bromomethane

Concen: 10.676 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

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ClientSampleId :

VX1106WBS01

Tot Ion: 94 Resp: 33510

Ion Ratio Lower Upper

94 100

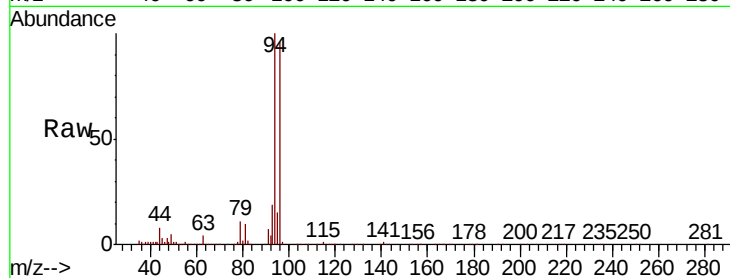
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Manual Integrations

APPROVED

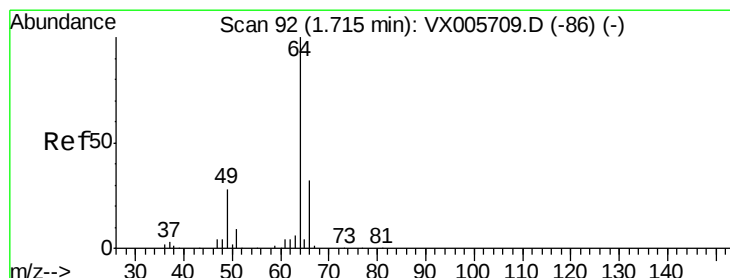
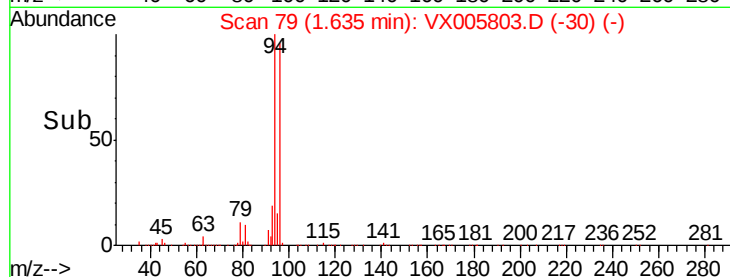
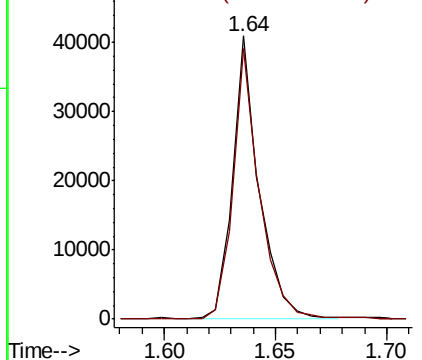
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.008 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005803.D

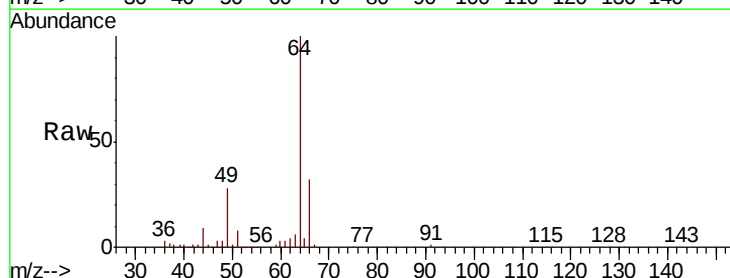
Acq: 06 Nov 2018 12:38

Tgt Ion: 64 Resp: 29567

Ion Ratio Lower Upper

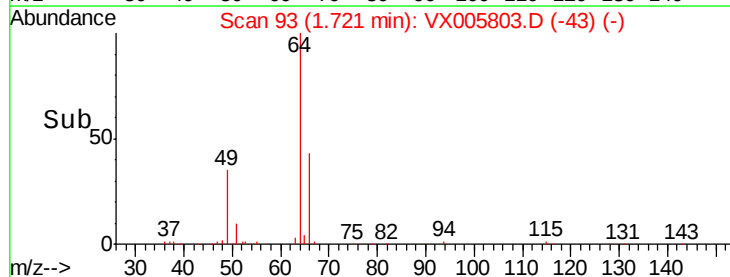
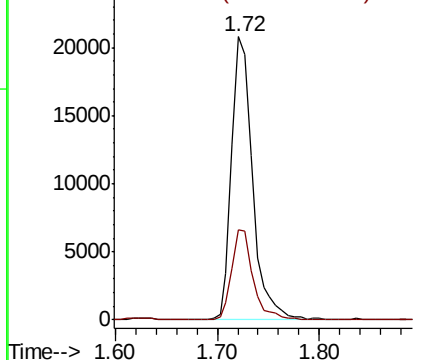
64 100

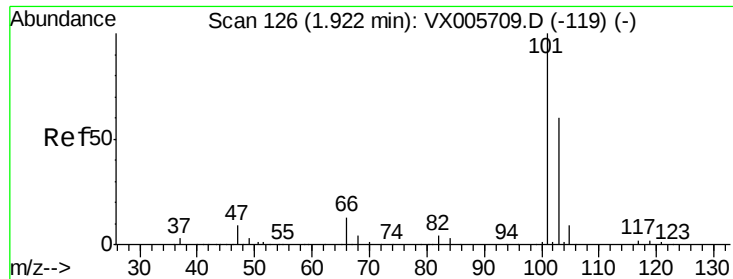
66 31.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

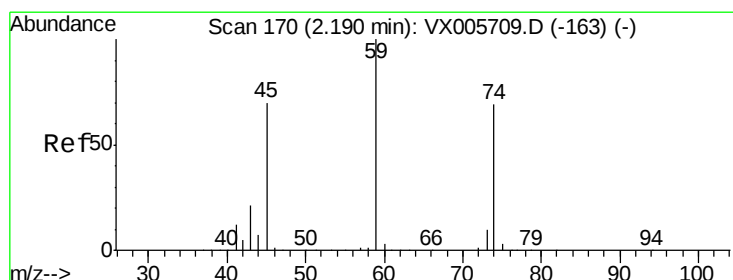
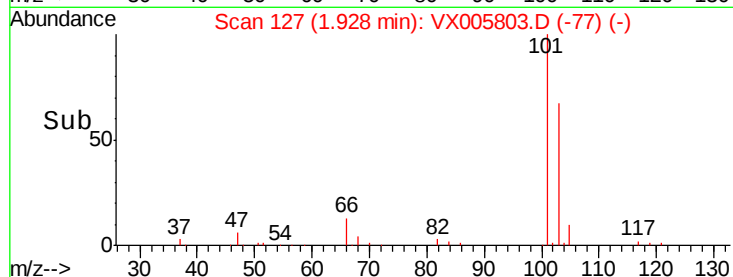
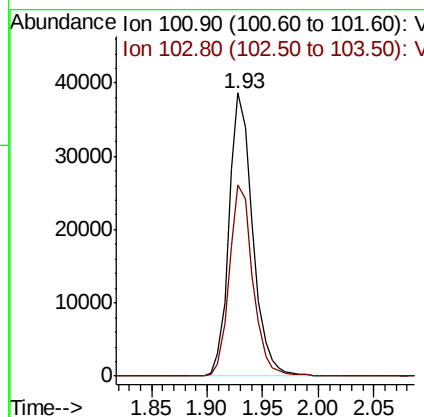
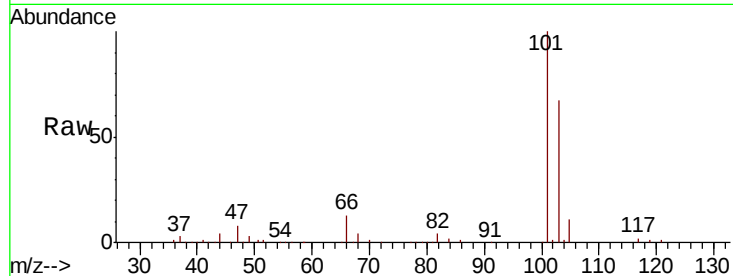
Trichlorofluoromethane
Concen: 17.494 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
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ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	50.0	75.0

Manual Integrations
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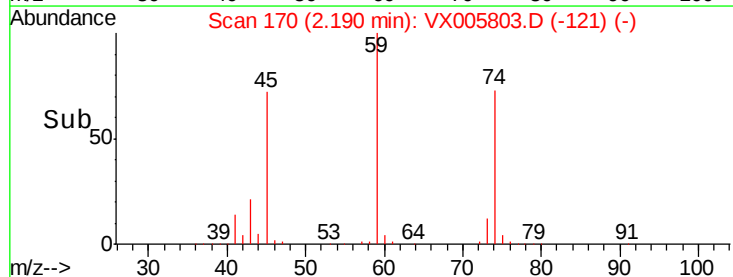
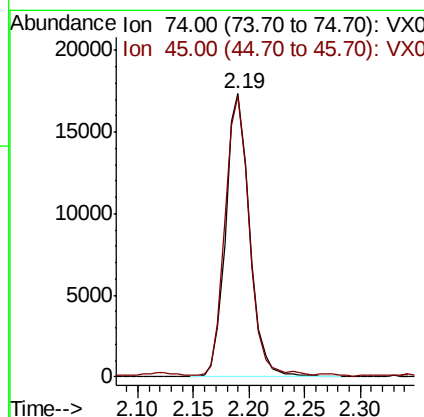
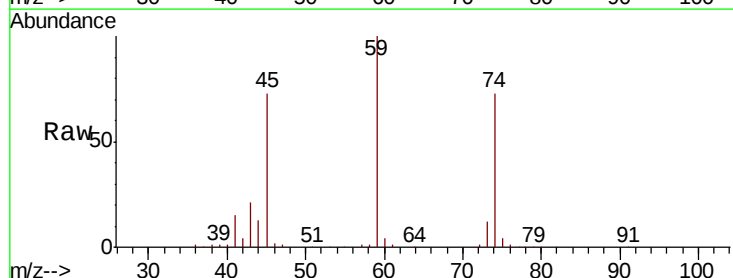
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11/7/2018 11:02:37 AM

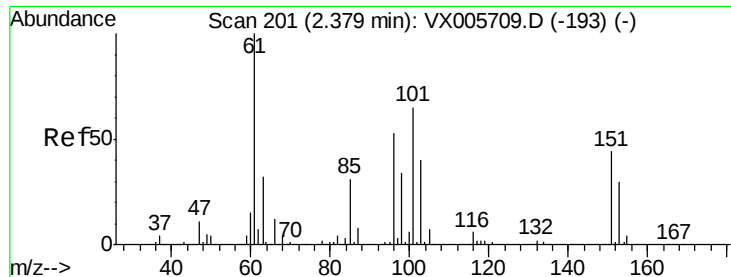


#8

Diethyl Ether
Concen: 17.702 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.896 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

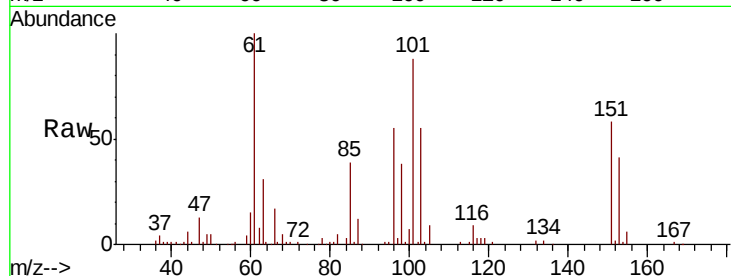
ClientSampleId :

VX1106WBS01

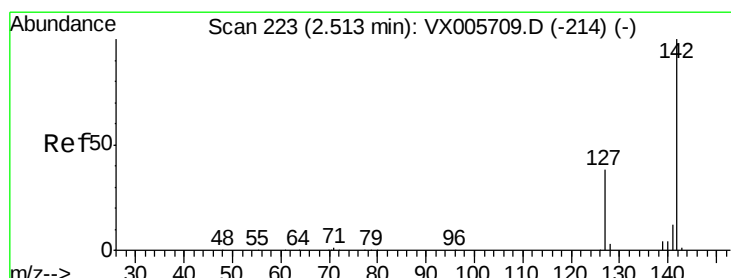
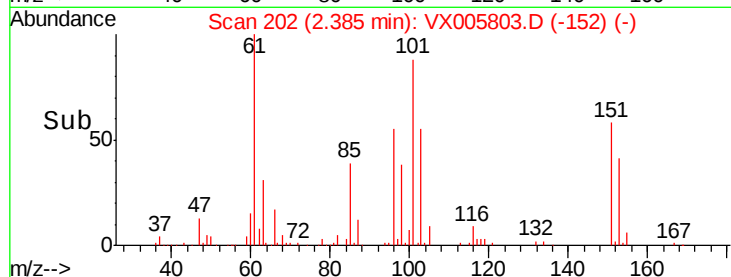
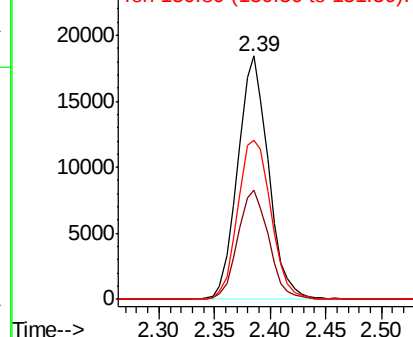
Tot Ion:	101	Resp:	35295
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.0	52.4
151	70.8	66.2	99.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.513 ug/l

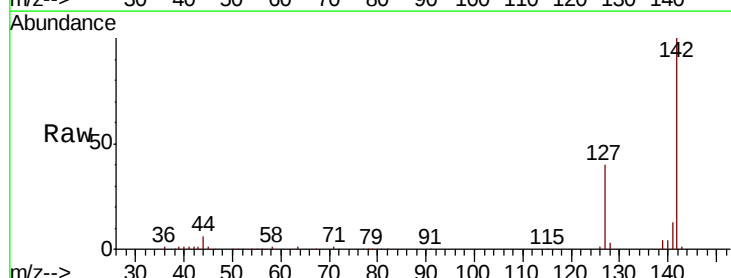
RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

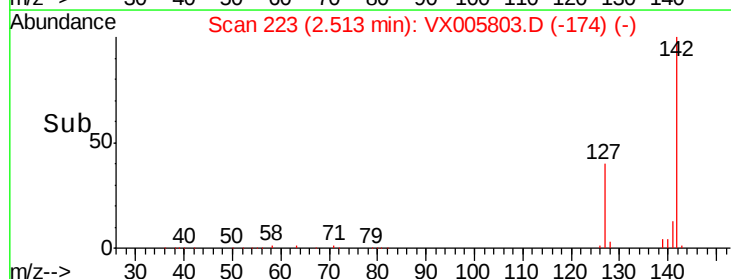
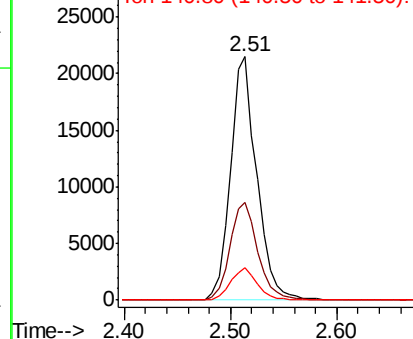
Lab File: VX005803.D

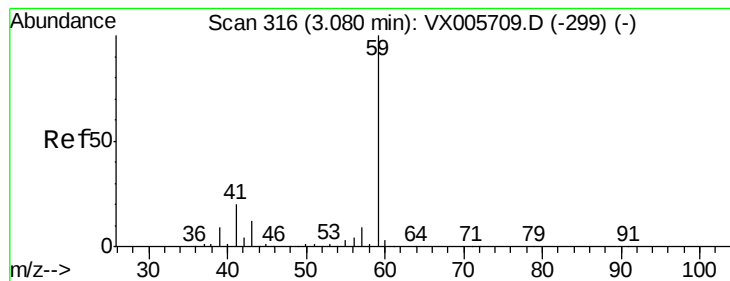
Acq: 06 Nov 2018 12:38

Tgt Ion:	142	Resp:	37094
Ion Ratio	Lower	Upper	
142	100		
127	42.5	36.0	54.0
141	13.6	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

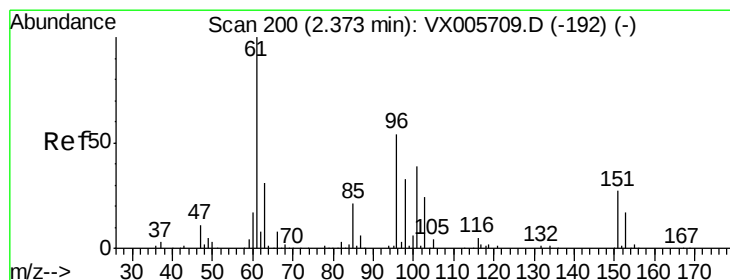
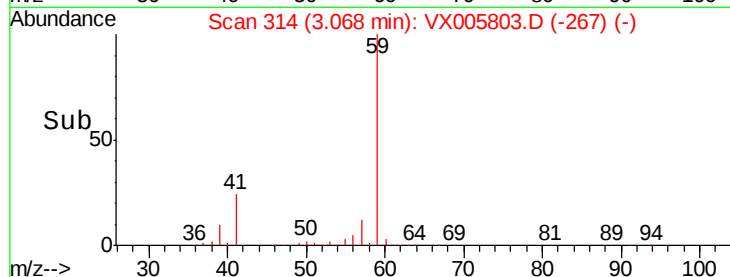
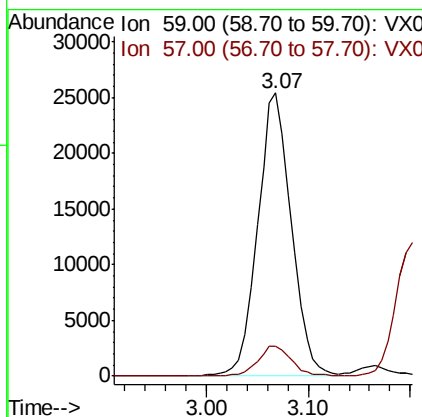
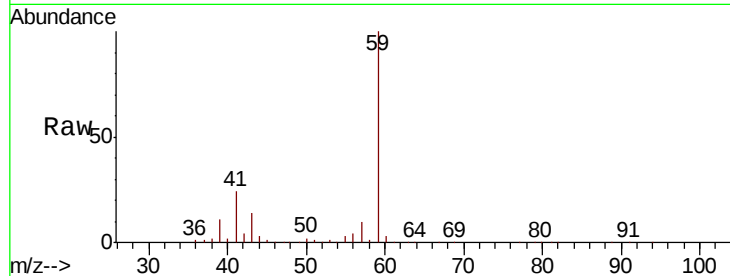
Tert butyl alcohol
 Concen: 82.170 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106WBS01

Tot Ion	59	57	Ratio	100	10.8	Resp	58213	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.8	Resp	58213	Lower	8.5	Upper	12.7

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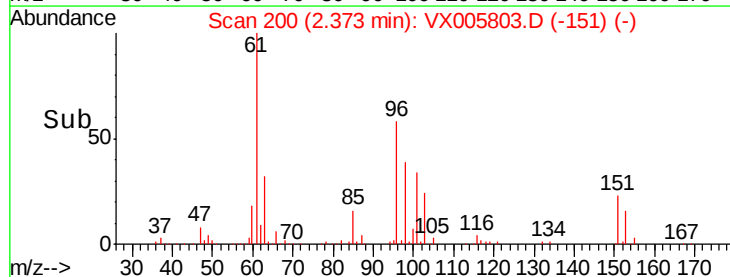
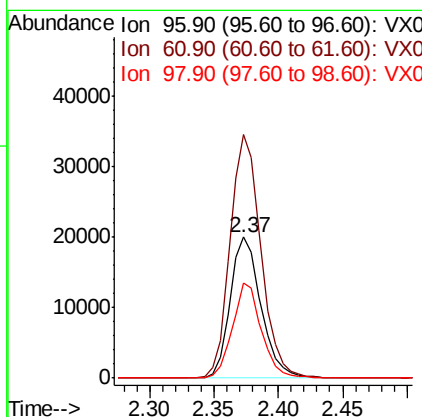
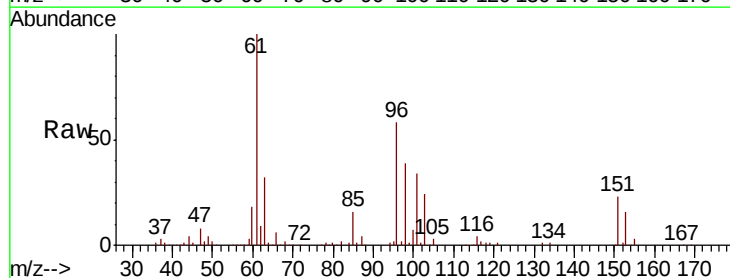
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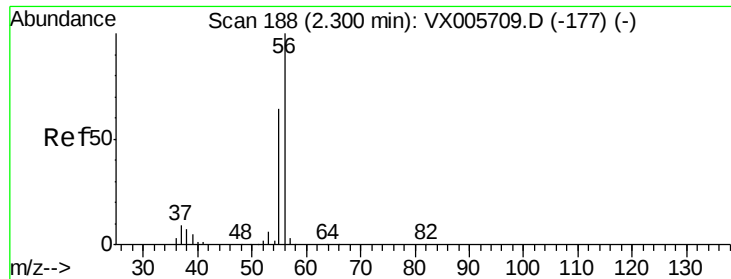


#12

1,1-Dichloroethene
 Concen: 17.401 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Tgt Ion	96	61	98	Ratio	100	172.7	67.0	Resp	33441	Lower	131.8	Upper	197.8	80.2
Ion	96	61	98	Ratio	100	172.7	67.0	Resp	33441	Lower	131.8	Upper	197.8	80.2





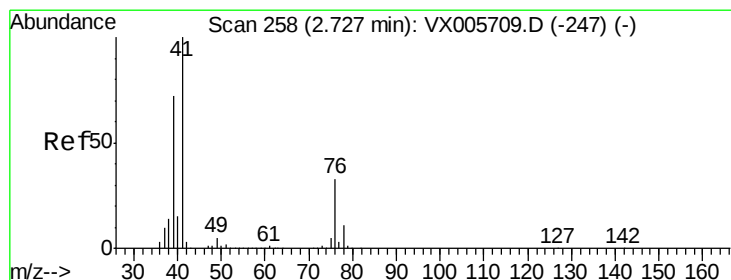
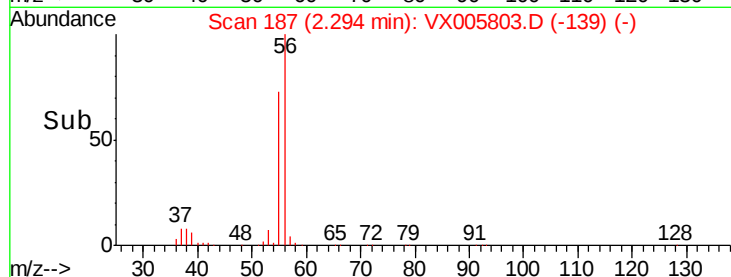
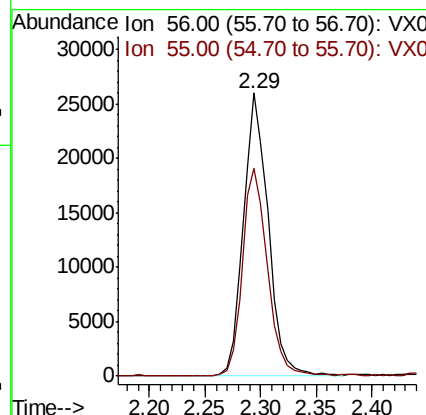
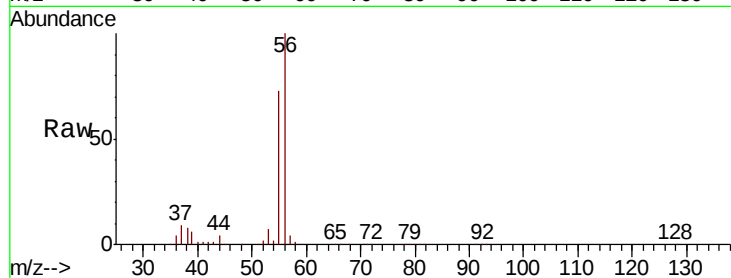
#13
Acrolein
Concen: 87.763 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion: 56 Resp: 40273
Ion Ratio Lower Upper
56 100
55 74.0 57.3 85.9

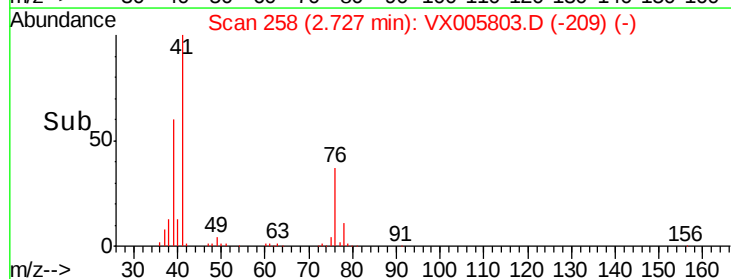
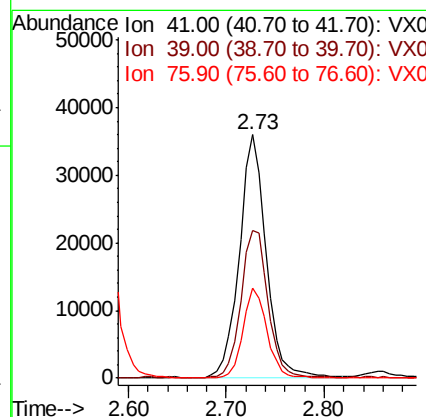
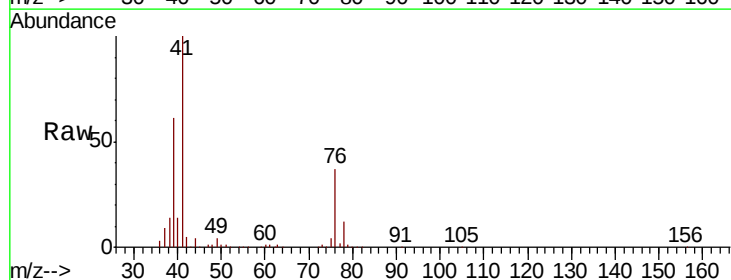
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#14
Allyl chloride
Concen: 17.146 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion: 41 Resp: 68135
Ion Ratio Lower Upper
41 100
39 60.6 48.2 72.4
76 33.4 21.9 32.9#





#15

Acrylonitrile

Concen: 88.681 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

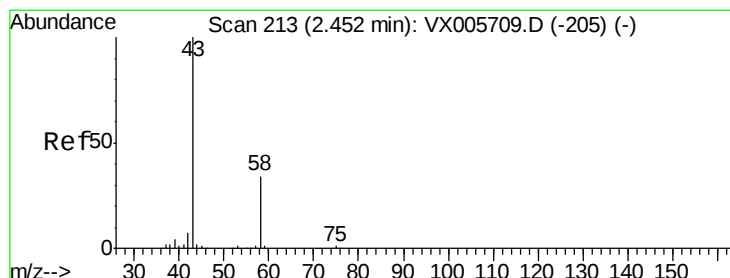
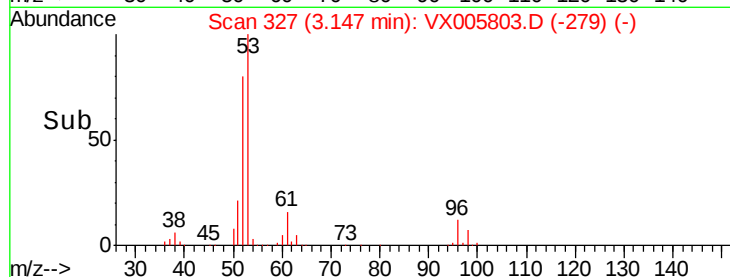
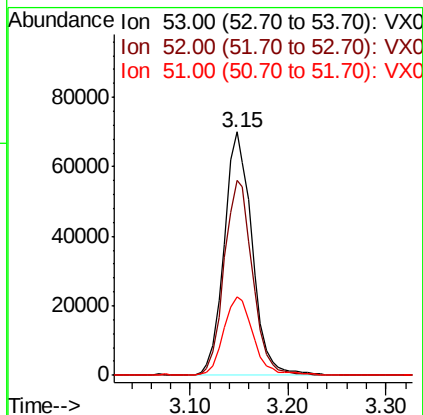
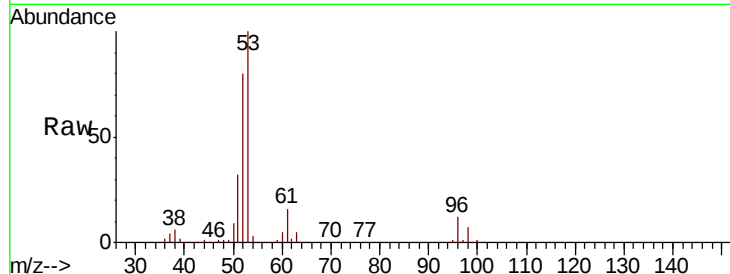
ClientSampleId :

VX1106WBS01

Tot Ion:	53	Resp:	138152
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.6	99.8
51	34.2	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 78.584 ug/l

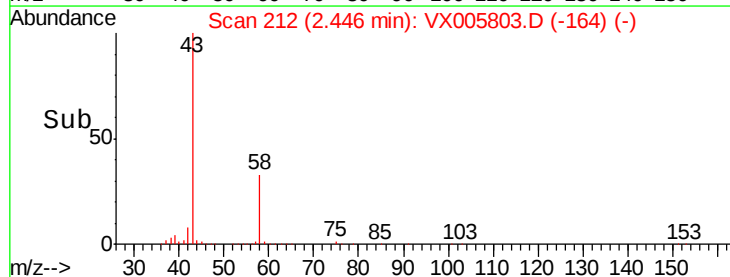
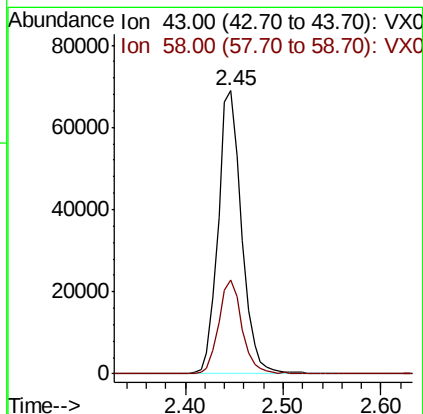
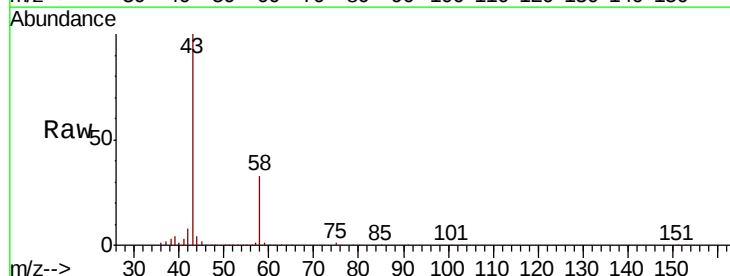
RT: 2.45 min Scan# 212

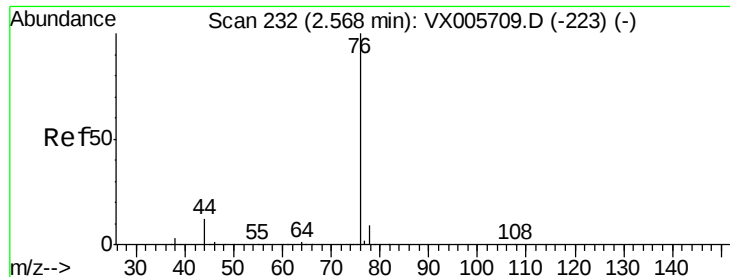
Delta R.T. -0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Tgt Ion:	43	Resp:	113980
Ion Ratio		Lower	Upper
43	100		
58	33.4	23.8	35.6





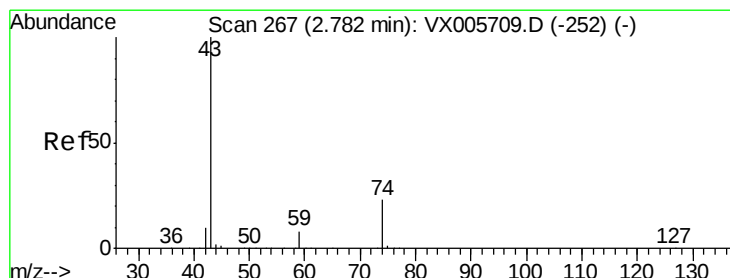
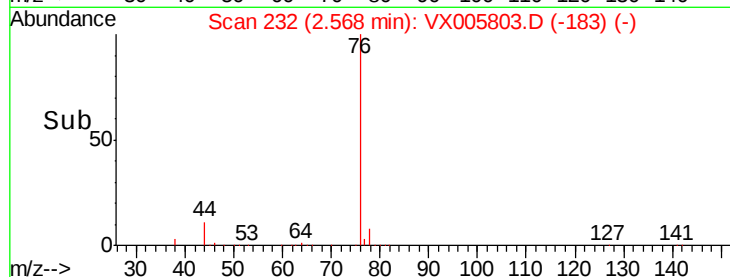
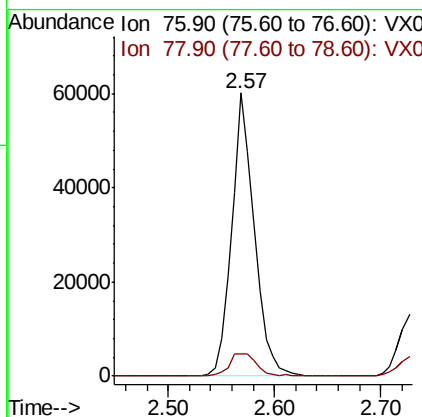
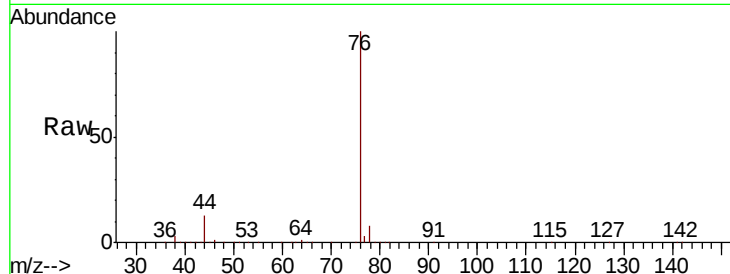
#17
Carbon Disulfide
Concen: 15.220 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.3	10.9

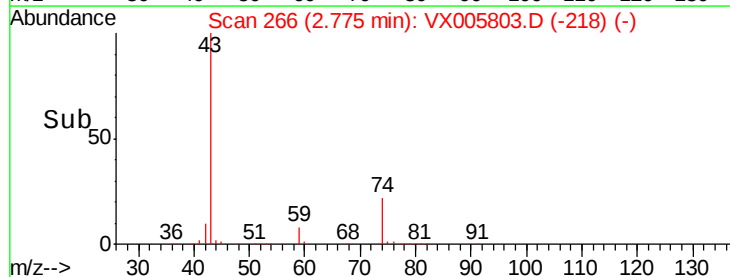
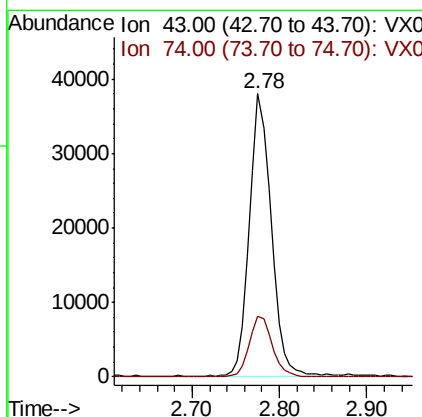
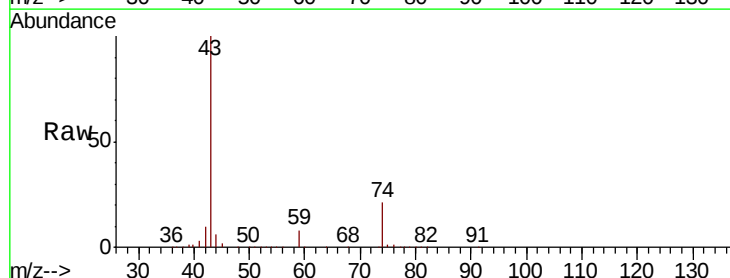
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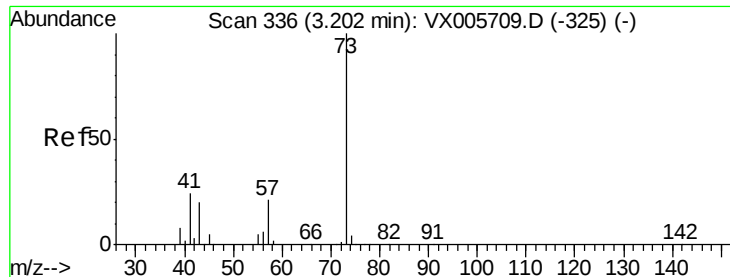
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#18
Methyl Acetate
Concen: 17.551 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	16.8	25.2





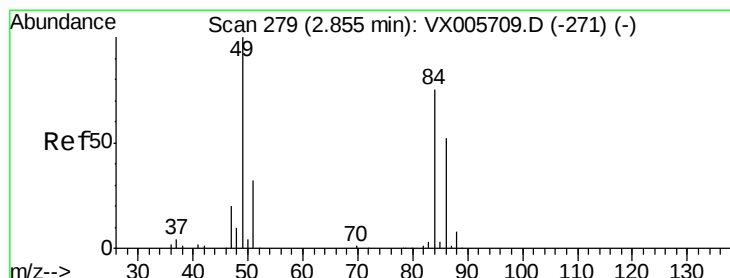
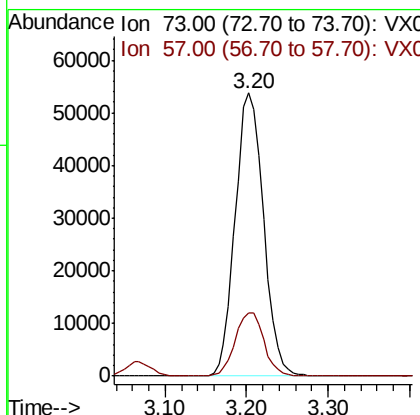
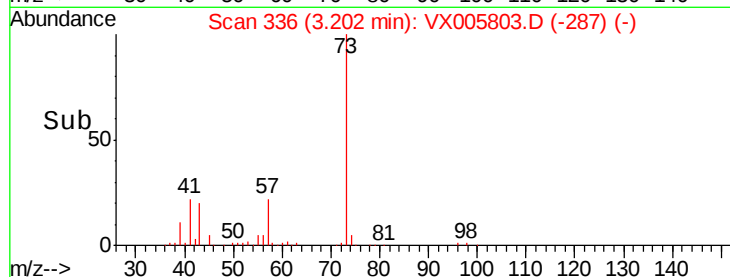
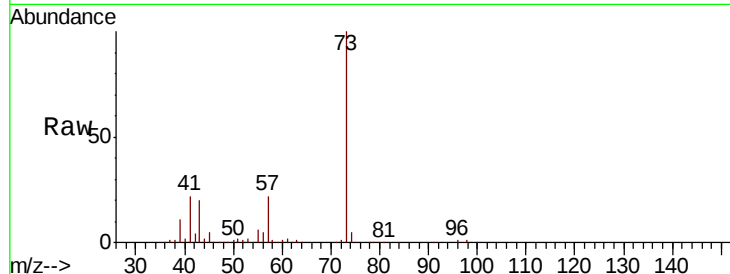
#19
Methyl tert-butyl Ether
Concen: 19.424 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion: 73 Resp: 129210
Ion Ratio Lower Upper
73 100
57 22.3 18.8 28.2

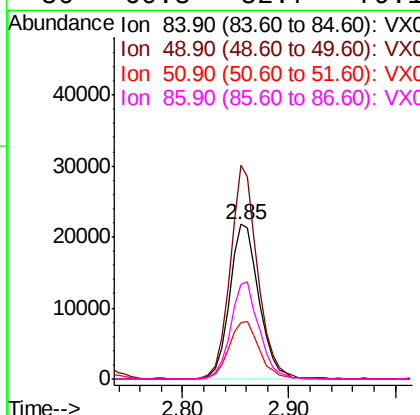
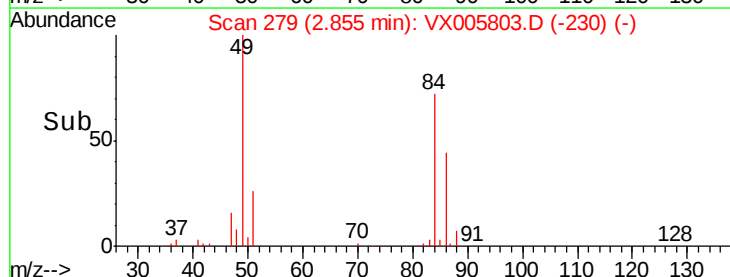
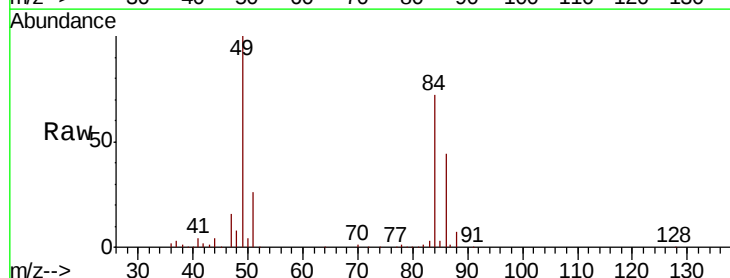
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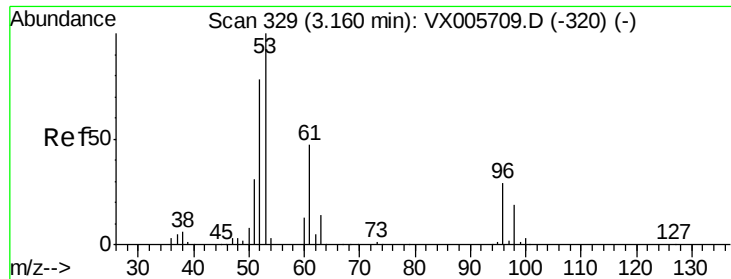
MMDadoda
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#20
Methylene Chloride
Concen: 18.769 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion: 84 Resp: 42223
Ion Ratio Lower Upper
84 100
49 138.0 109.5 164.3
51 36.0 33.3 49.9
86 60.8 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 17.274 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

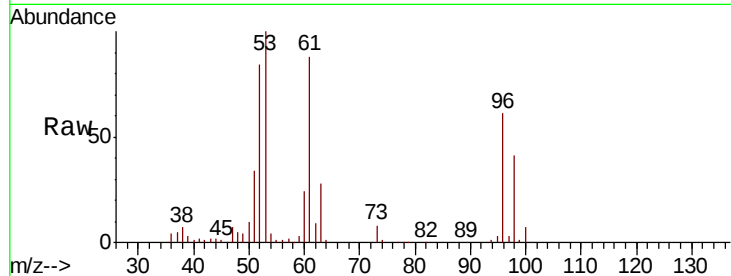
ClientSampleId :

VX1106WBS01

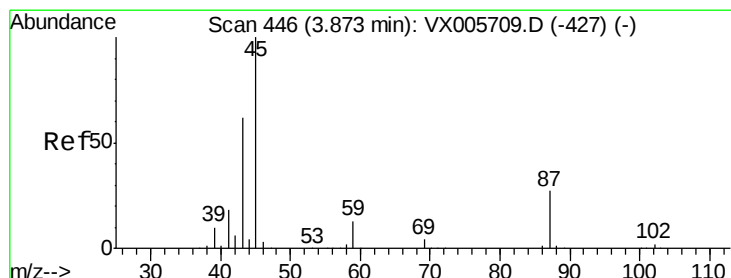
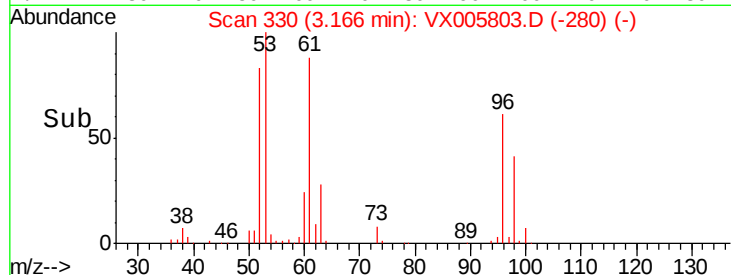
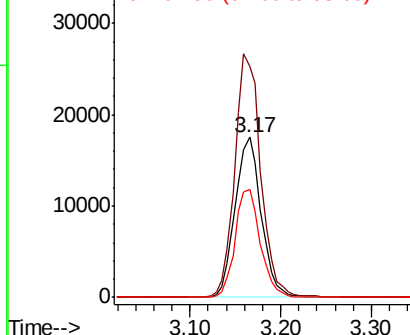
Tot Ion:	96	Resp:	35127
Ion Ratio	Lower	Upper	
96	100		
61	144.1	115.6	173.4
98	67.3	50.2	75.2

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.222 ug/l

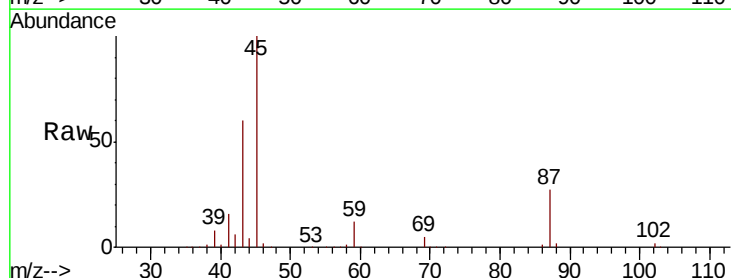
RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

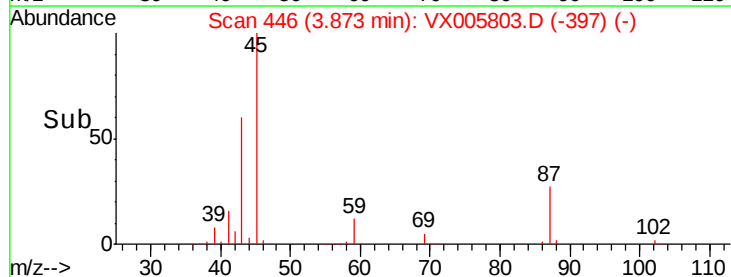
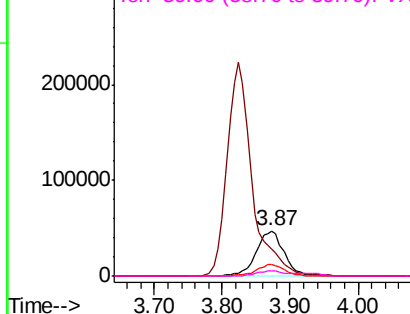
Lab File: VX005803.D

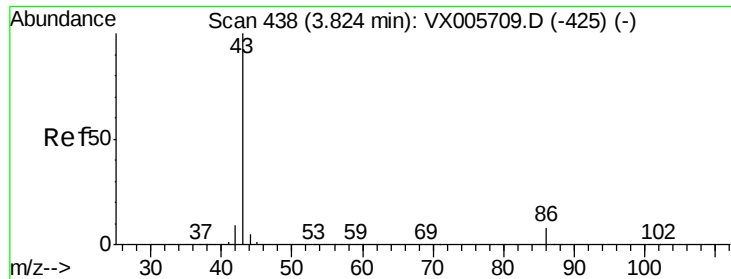
Acq: 06 Nov 2018 12:38

Tgt Ion:	45	Resp:	134320
Ion Ratio	Lower	Upper	
45	100		
43	59.7	47.4	71.2
87	26.6	15.9	23.9#
59	11.7	7.7	11.5#



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 88.906 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion: 43 Resp: 570834

Ion Ratio Lower Upper

43 100

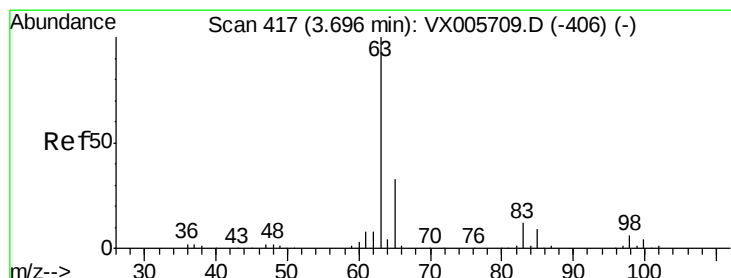
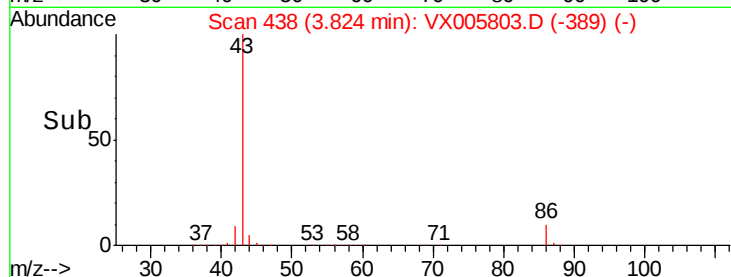
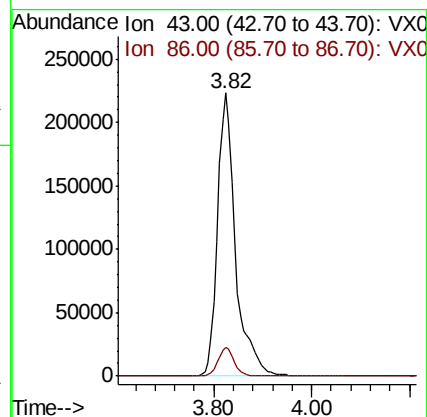
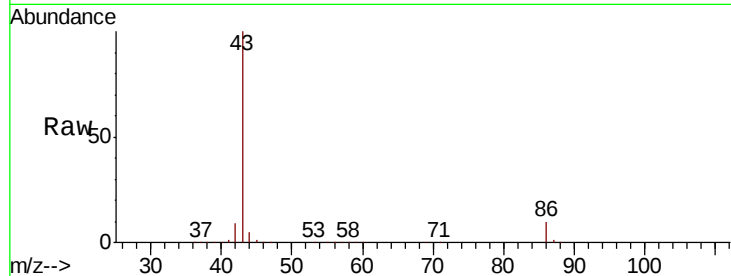
86 10.1 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 17.353 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

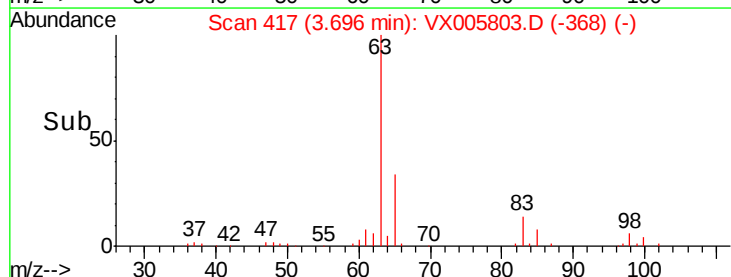
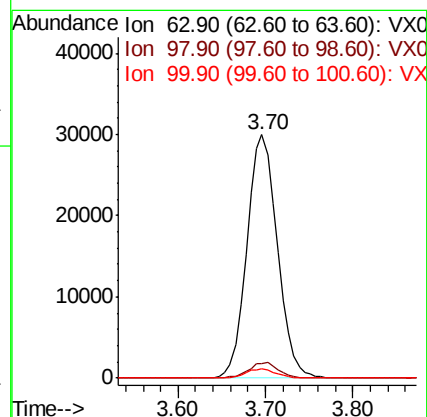
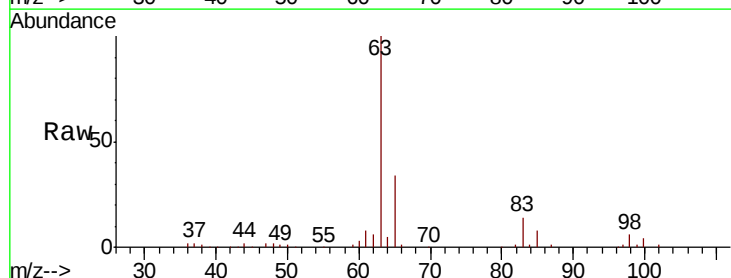
Tgt Ion: 63 Resp: 72333

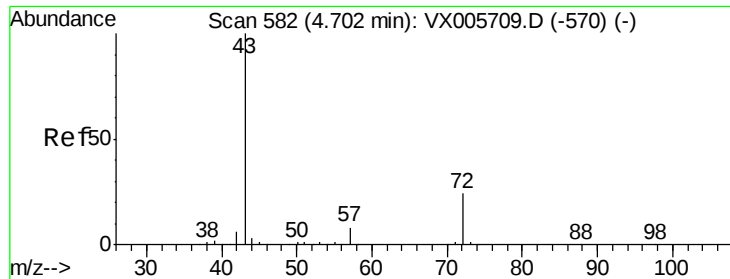
Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 82.850 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion: 43 Resp: 182317

Ion Ratio Lower Upper

43 100

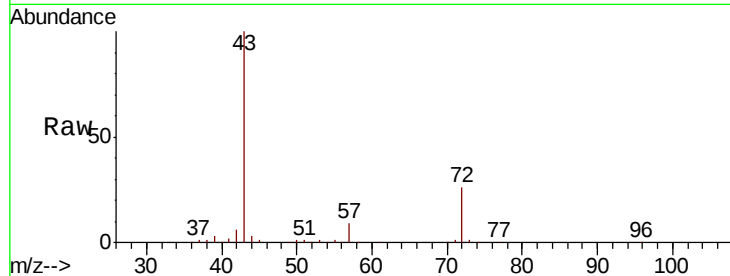
72 26.0 19.2 28.8

Manual Integrations

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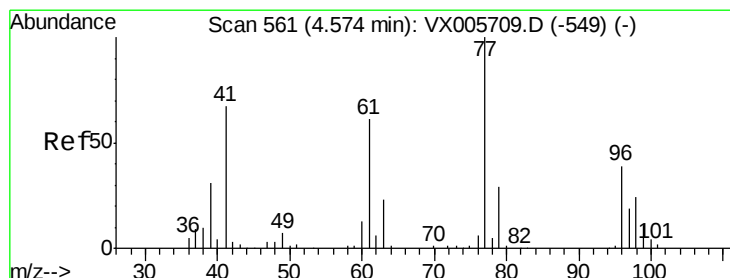
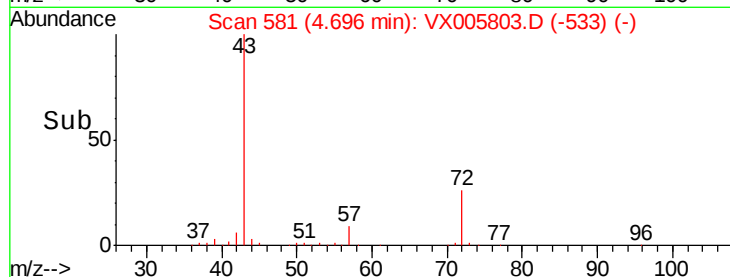
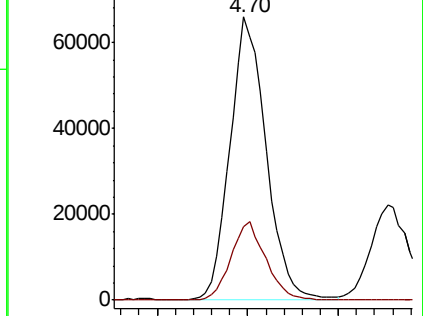
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Abundance Ion 43.00 (42.70 to 43.70): VX005709.D (-570) (-)

Ion 72.00 (71.70 to 72.70): VX005709.D (-570) (-)



#26

2,2-Dichloropropane

Concen: 17.395 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005803.D

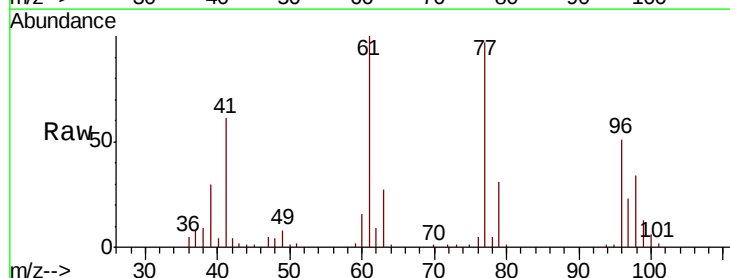
Acq: 06 Nov 2018 12:38

Tgt Ion: 77 Resp: 54199

Ion Ratio Lower Upper

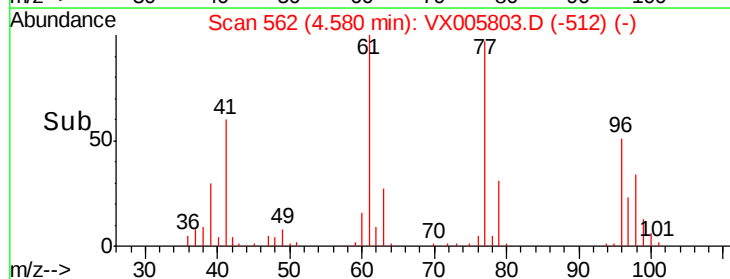
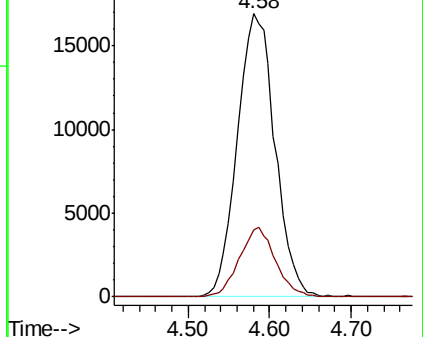
77 100

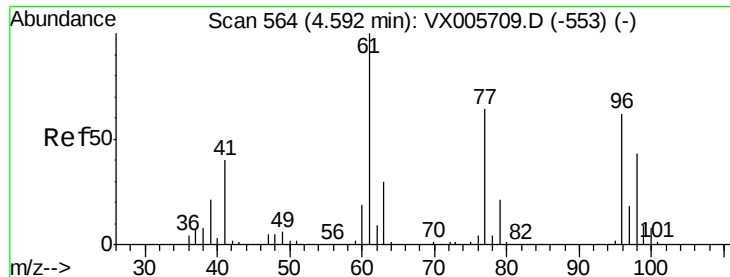
97 23.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX005709.D (-549) (-)

Ion 96.90 (96.60 to 97.60): VX005709.D (-549) (-)





#27

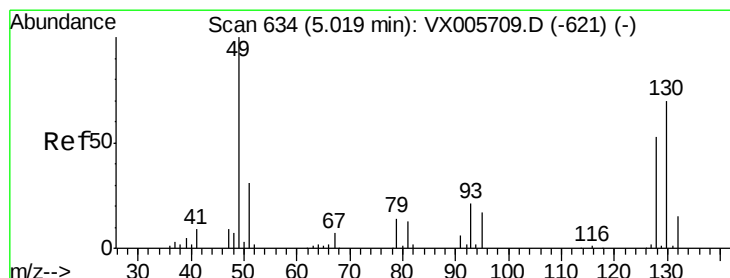
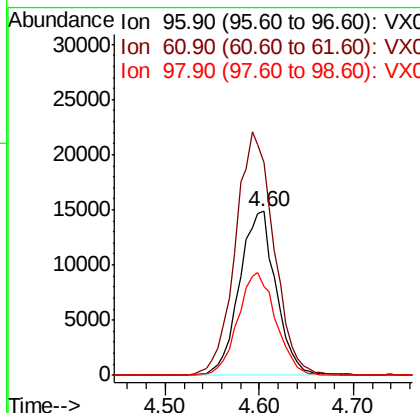
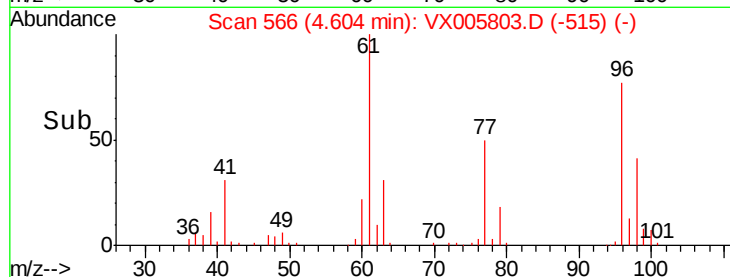
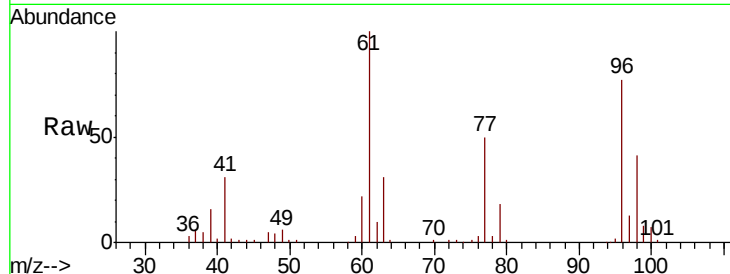
cis-1,2-Dichloroethene
Concen: 17.709 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	304.6
98	65.0	0.0	127.4

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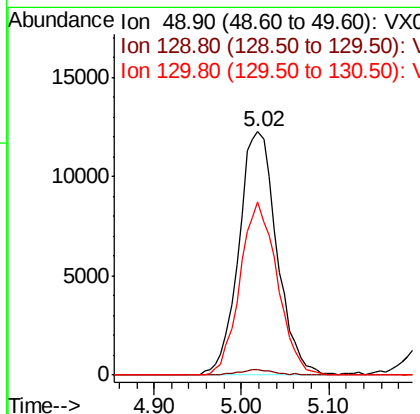
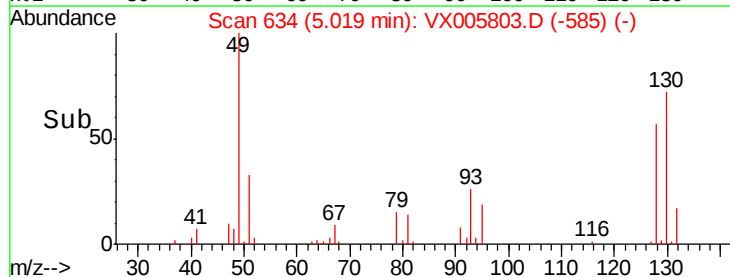
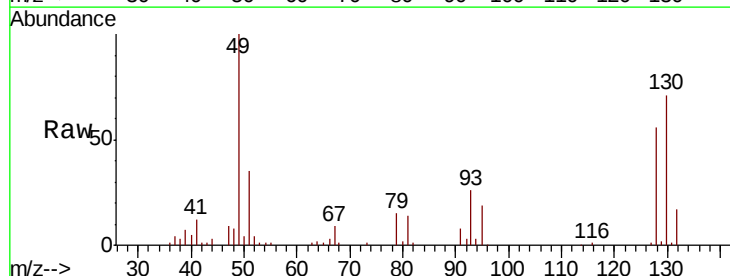
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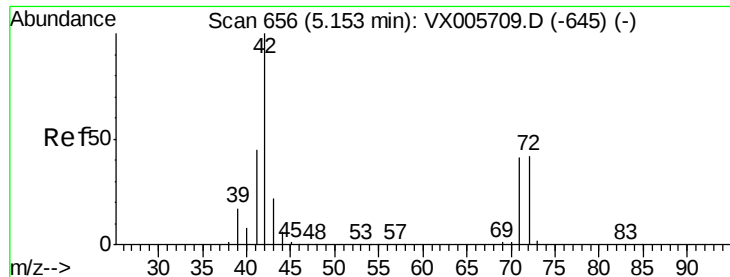


#28

Bromochloromethane
Concen: 18.231 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	69.8	58.9	88.3





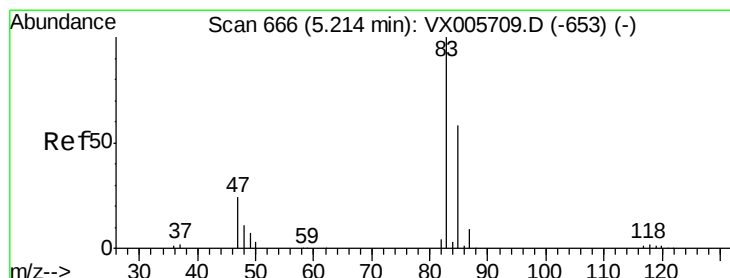
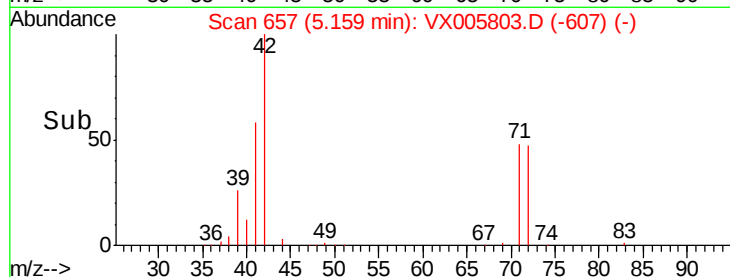
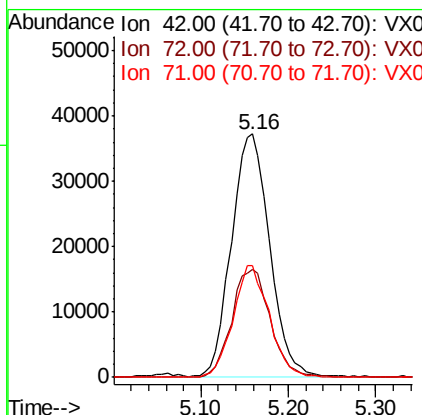
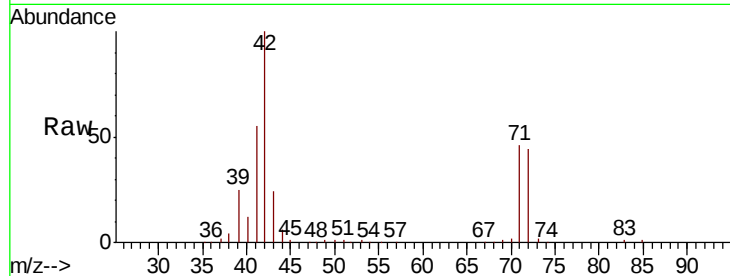
#29
Tetrahydrofuran
Concen: 83.694 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	32.0	48.0
71	43.9	29.8	44.8

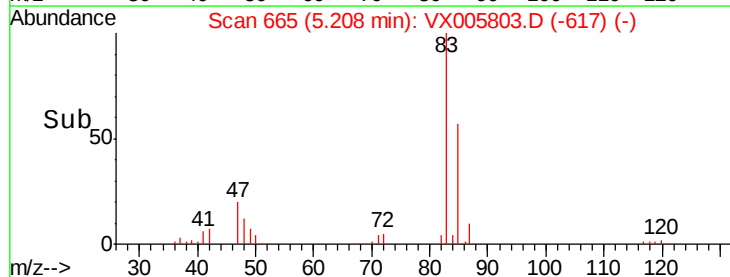
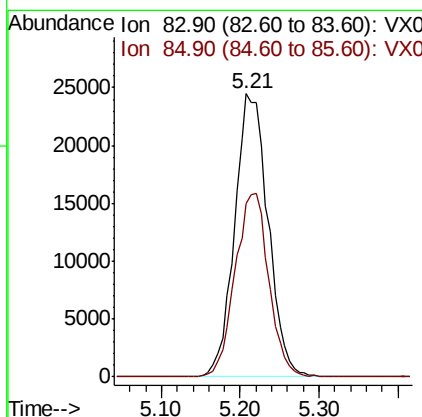
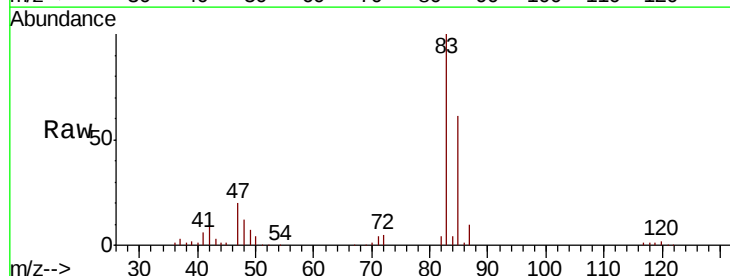
Manual Integrations
APPROVED

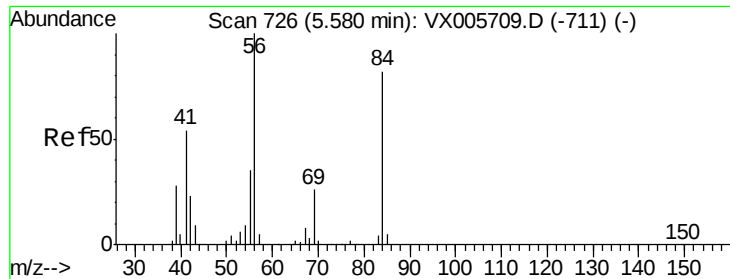
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#30
Chloroform
Concen: 17.701 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.6	76.0





#31

Cyclohexane

Concen: 17.333 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

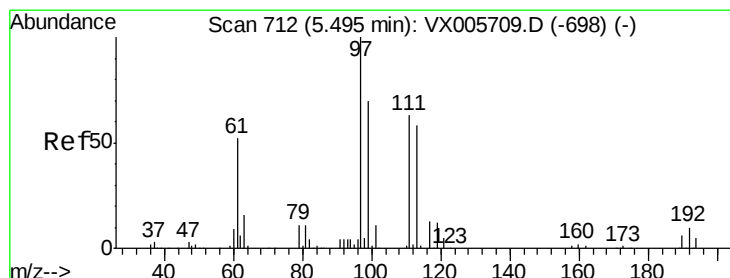
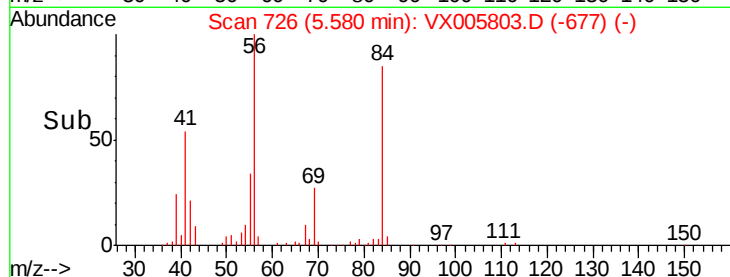
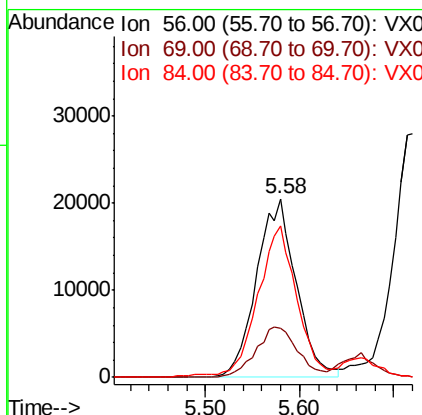
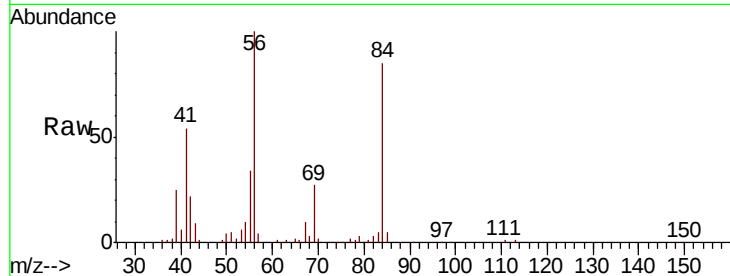
ClientSampleId :

VX1106WBS01

Tot Ion:	56	Resp:	60417
Ion Ratio	Lower	Upper	
56	100		
69	27.4	22.6	34.0
84	83.4	62.7	94.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.117 ug/l

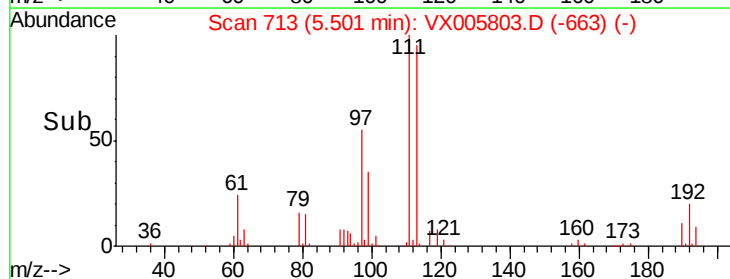
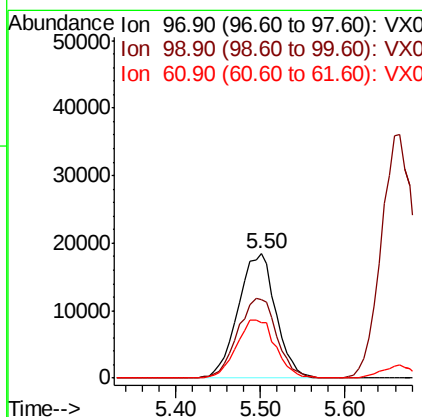
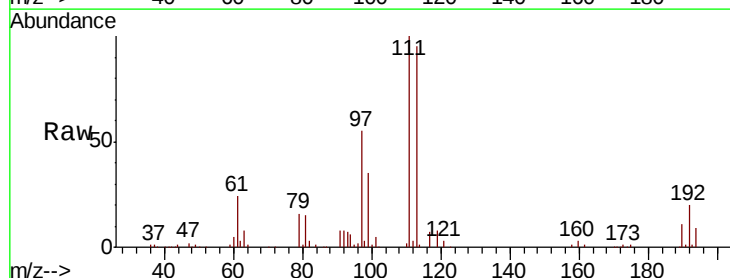
RT: 5.50 min Scan# 713

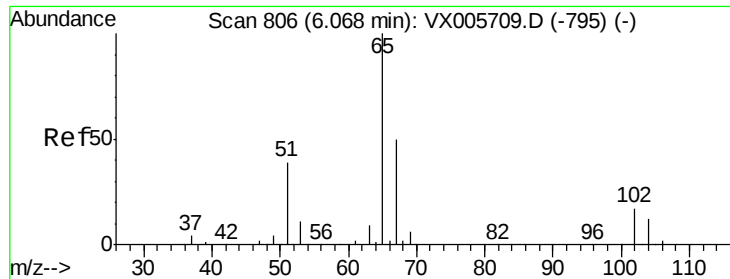
Delta R.T. 0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Tgt Ion:	97	Resp:	55827
Ion Ratio	Lower	Upper	
97	100		
99	66.4	52.3	78.5
61	48.8	35.2	52.8





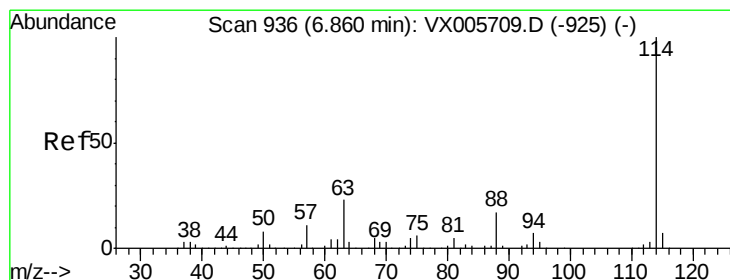
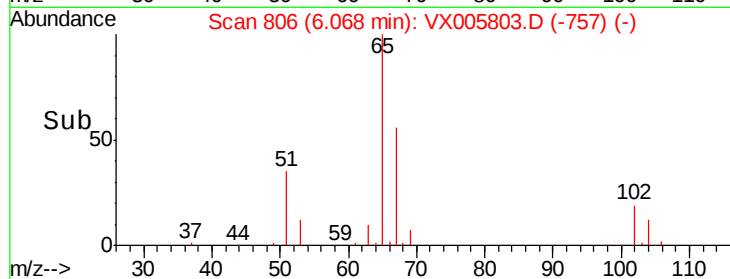
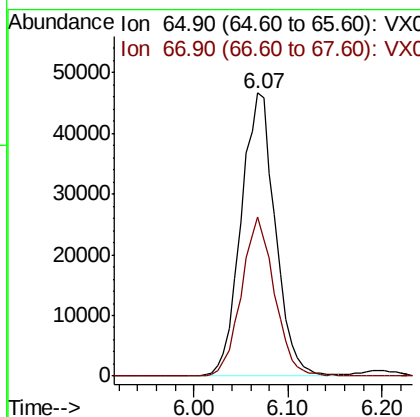
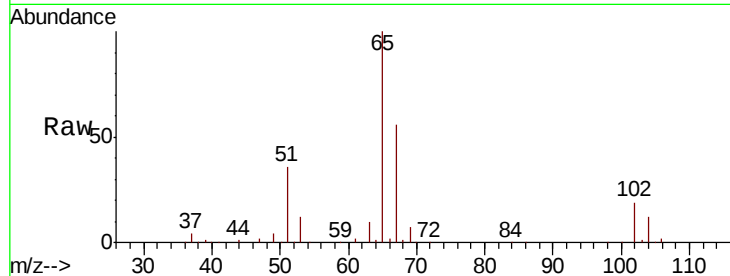
#33
 1,2-Dichloroethane-d4
 Concen: 45.545 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampled :
 VX1106WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	105.0

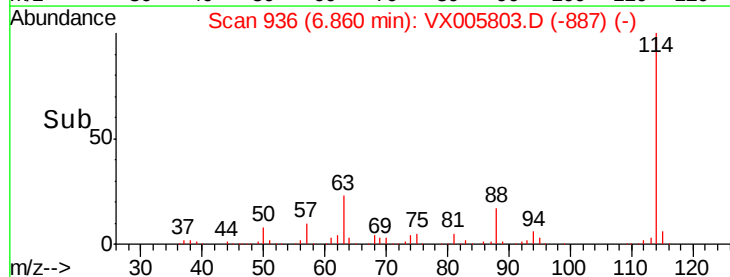
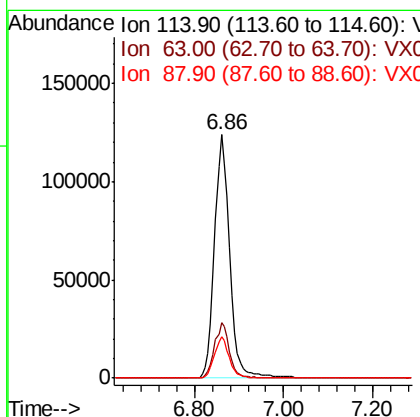
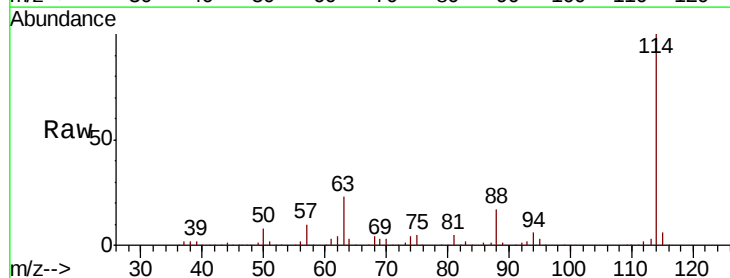
Manual Integrations
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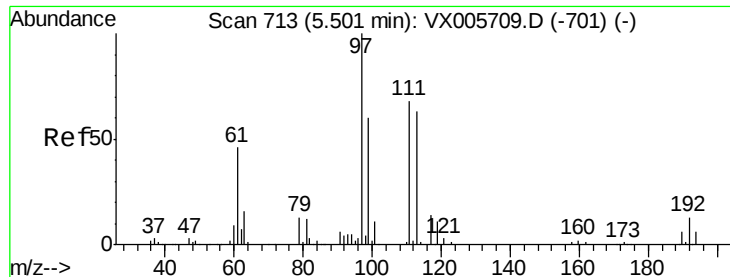
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	42.8
88	17.2	0.0	31.2





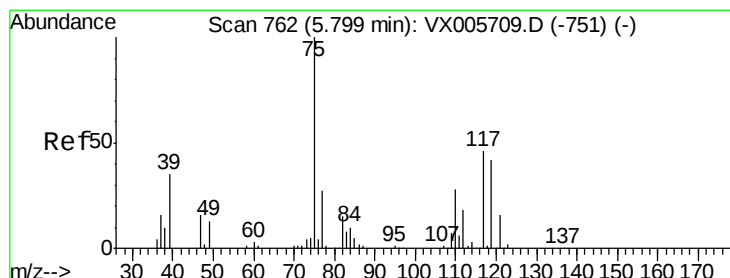
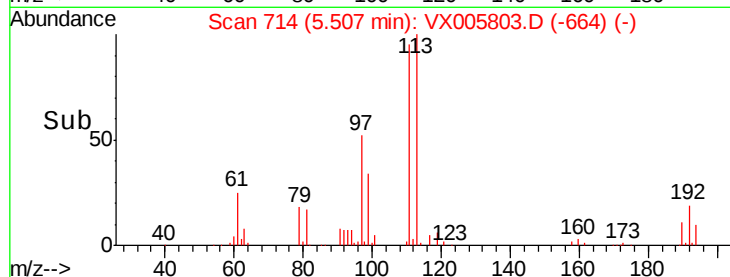
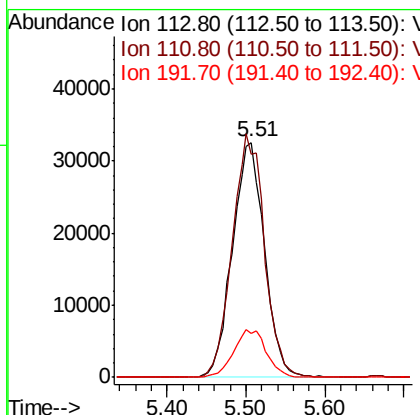
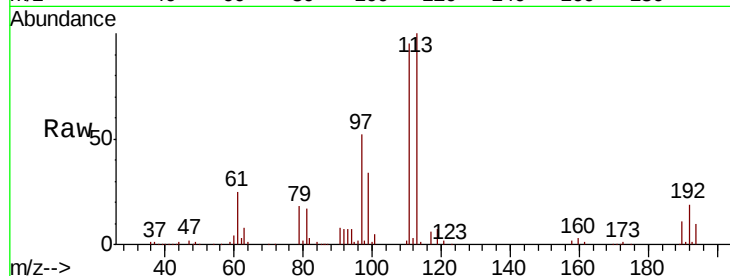
#35
 Dibromofluoromethane
 Concen: 45.118 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.3	123.5
192	20.6	17.9	26.9

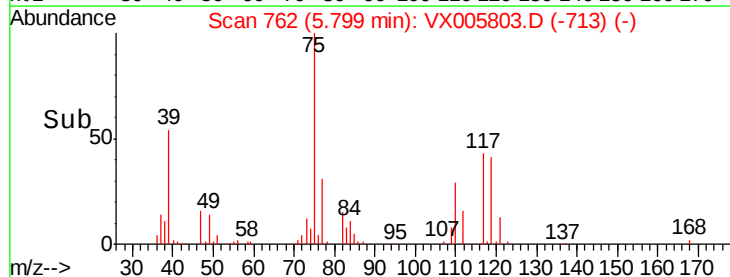
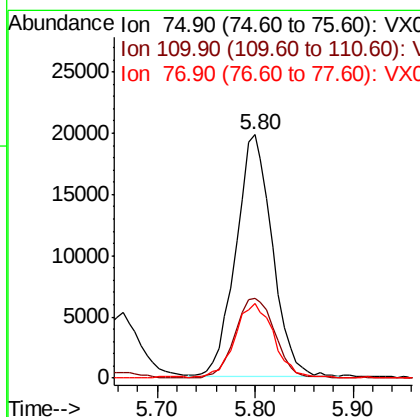
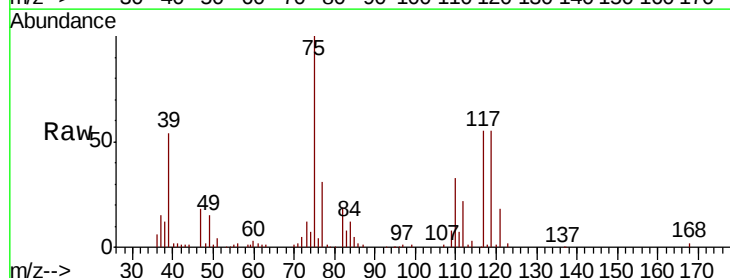
Manual Integrations
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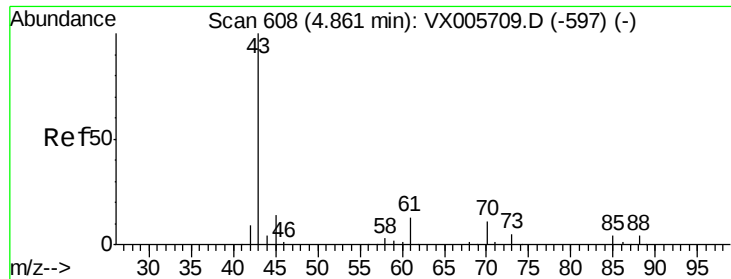
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#36
 1,1-Dichloropropene
 Concen: 16.179 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.4	52.2
77	33.5	25.8	38.6





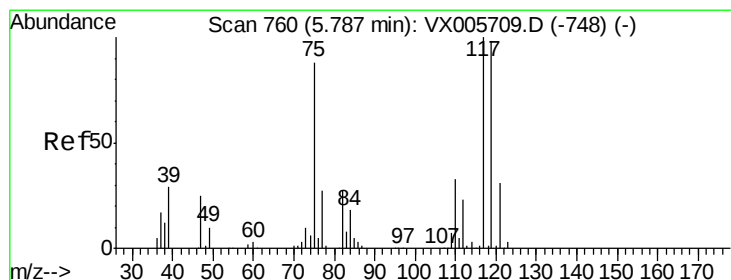
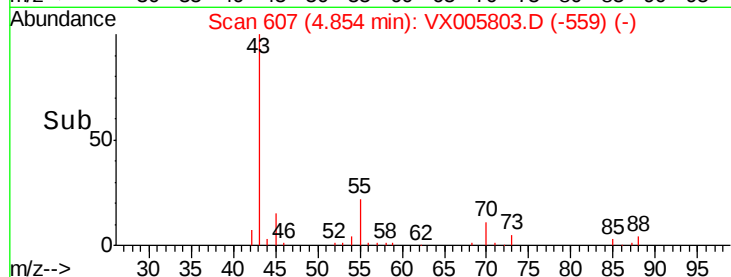
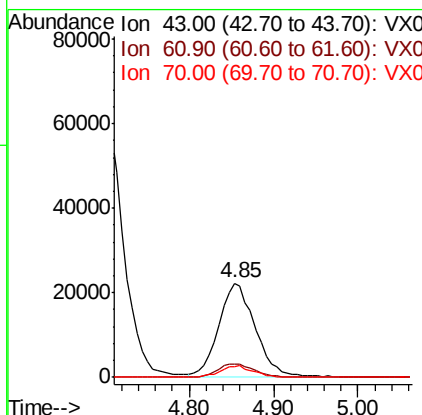
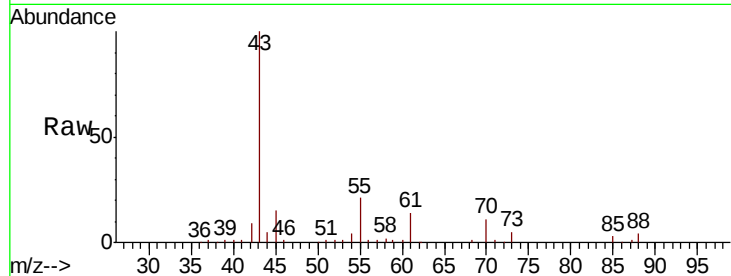
#37
Ethyl Acetate
Concen: 16.190 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.8	16.2
70	11.4	7.8	11.8

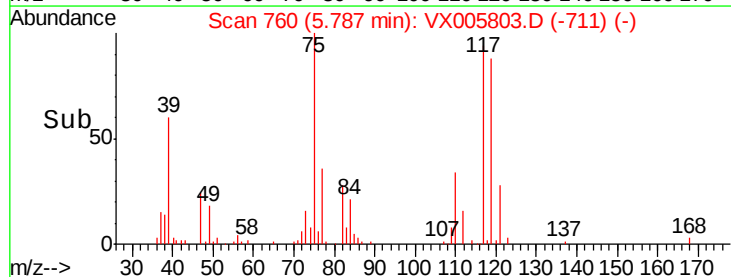
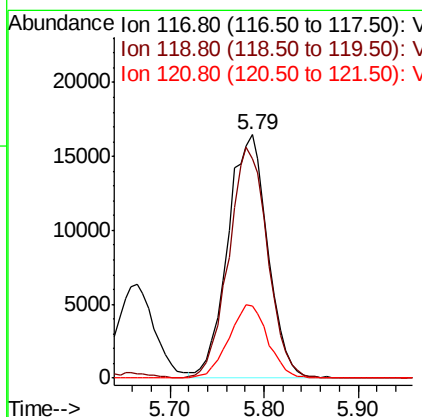
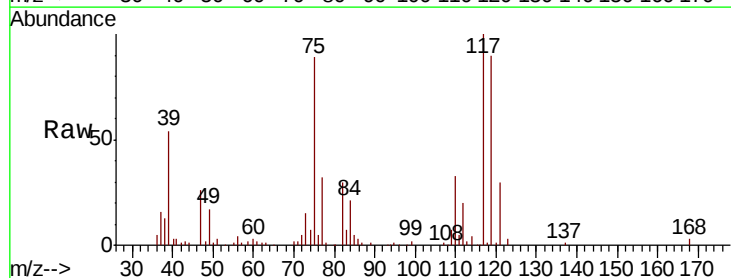
Manual Integrations
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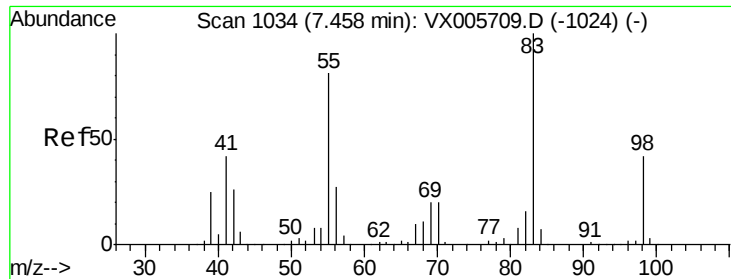
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#38
Carbon Tetrachloride
Concen: 17.132 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	78.1	117.1
121	29.7	24.6	36.8





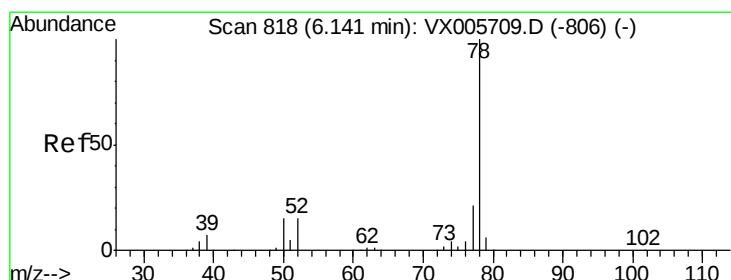
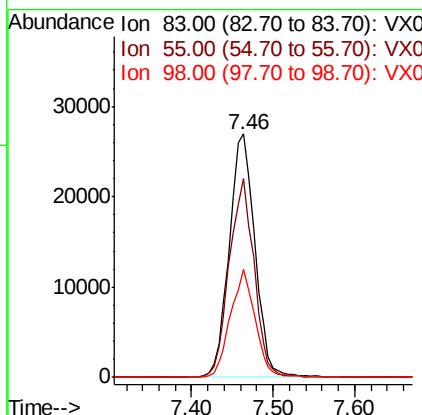
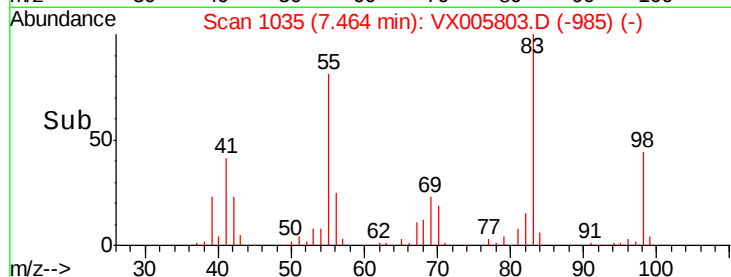
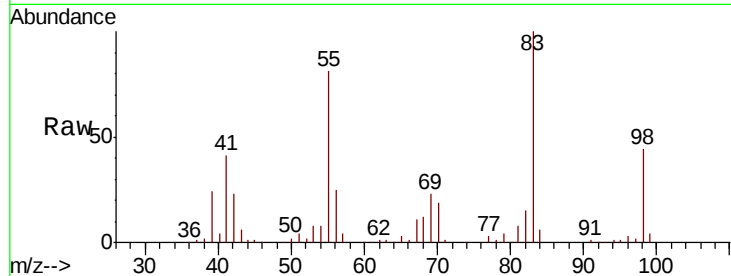
#39
Methvlcvclohexane
Concen: 17.870 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.7	95.5
98	44.1	36.2	54.2

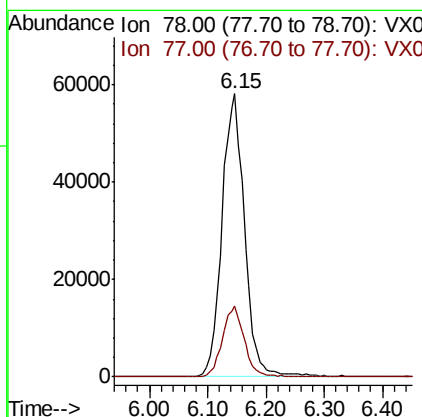
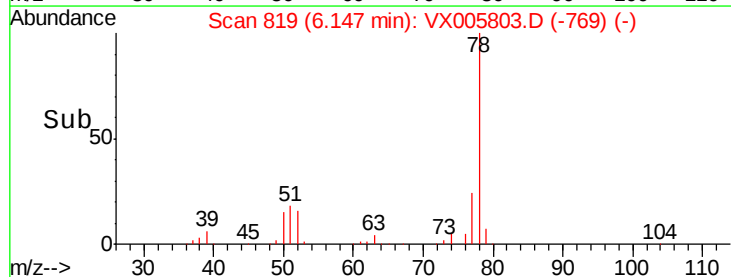
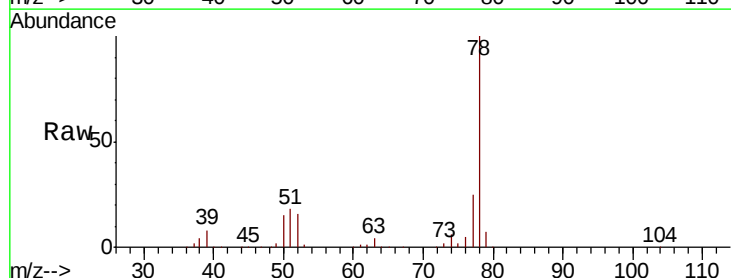
Manual Integrations
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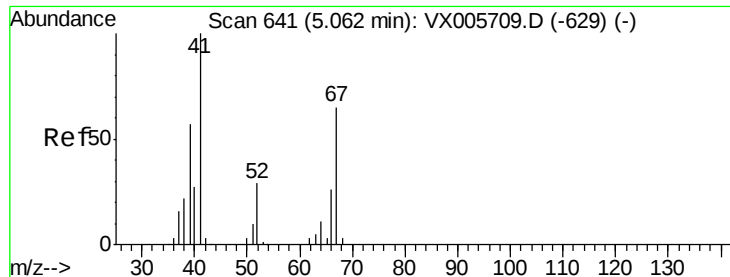
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#40
Benzene
Concen: 16.727 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.4	27.6





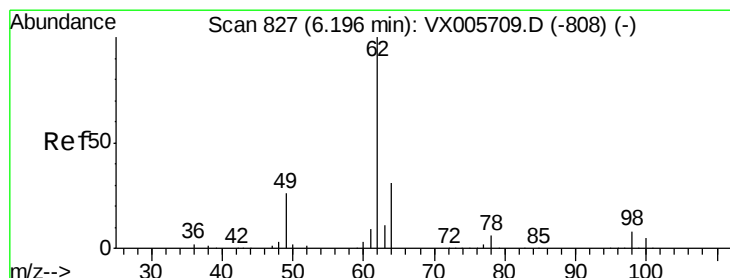
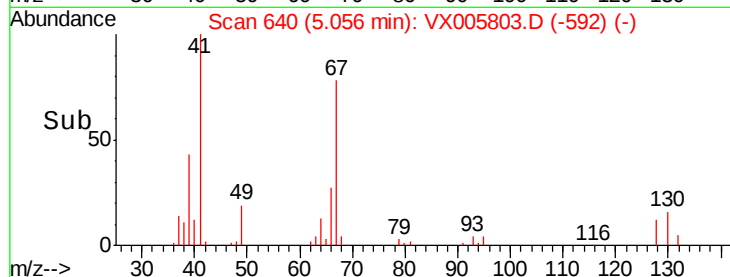
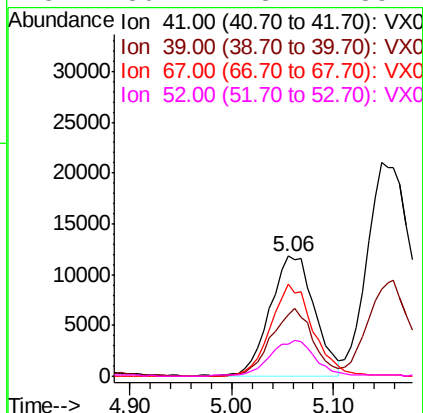
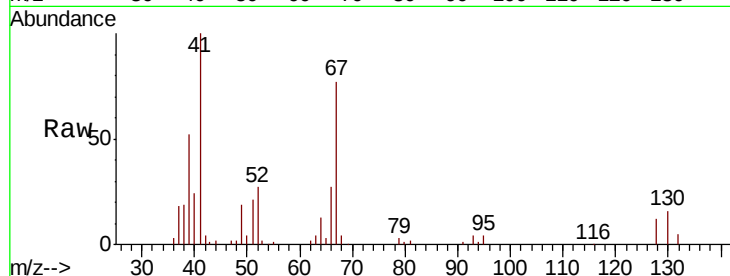
#41
Methacrylonitrile
Concen: 16.657 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.2	63.2
67	73.2	53.4	80.0
52	30.7	23.4	35.2

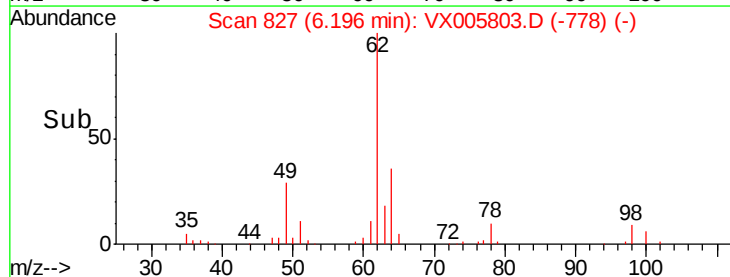
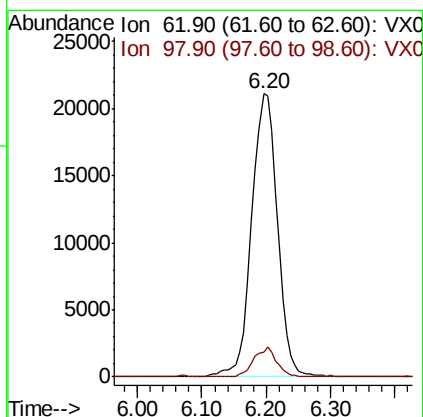
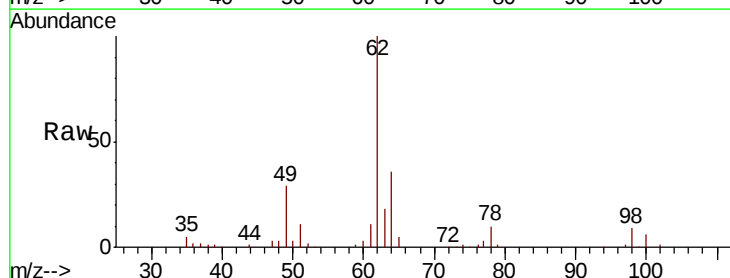
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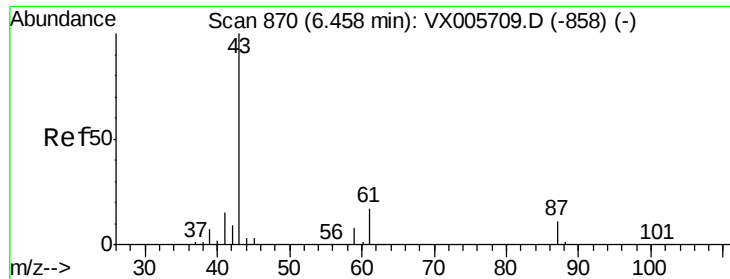
MMDadoda
11/7/2018 11:02:37 AM



#42
1,2-Dichloroethane
Concen: 16.768 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





#43

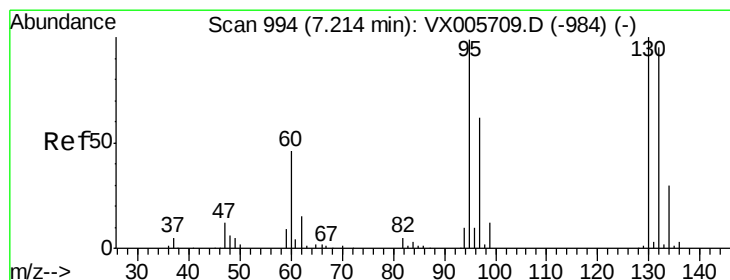
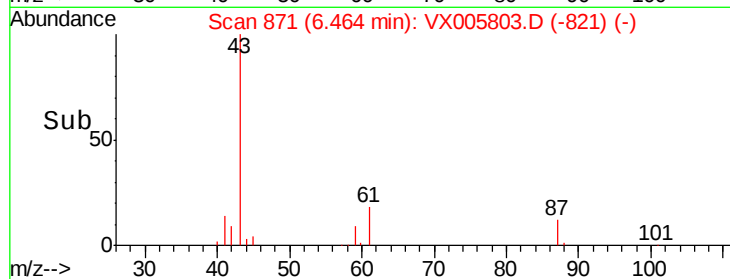
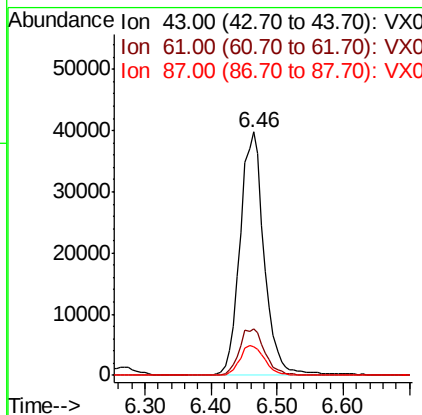
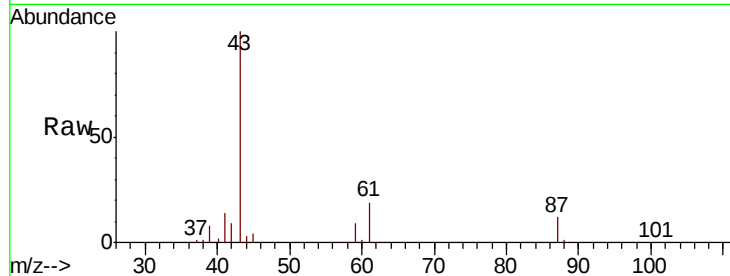
Isopropyl Acetate
 Concen: 17.208 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106WBS01

Tot Ion	43	61	87
Resp	100078		
Ratio	100	20.2	12.7
Lower		14.6	9.6
Upper		22.0	14.4

Manual Integrations
 APPROVED

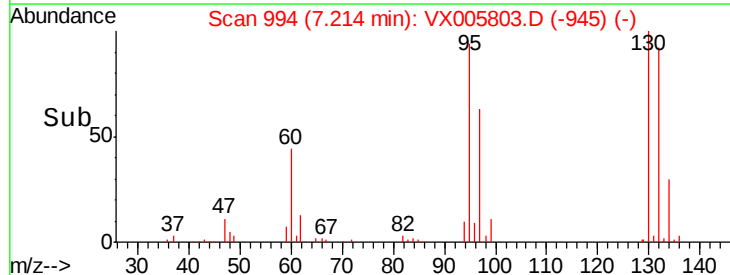
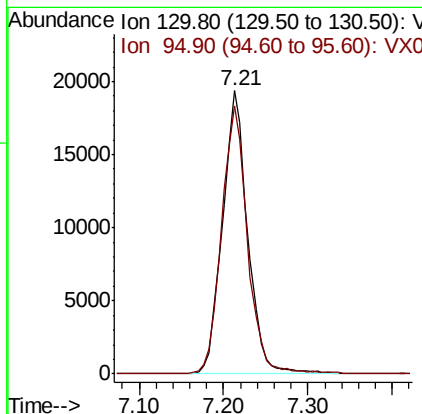
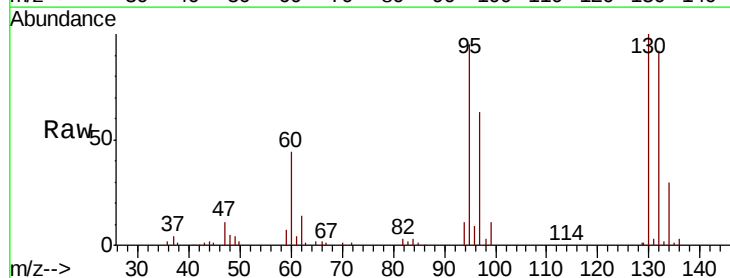
MMDadoda
 11/7/2018 11:02:37 AM

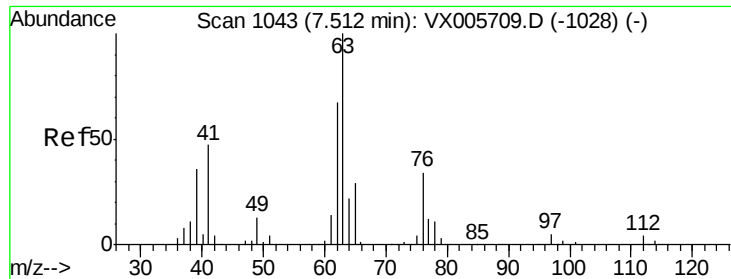


#44

Trichloroethene
 Concen: 18.386 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Tgt Ion	130	95
Resp	39733	
Ratio	100	94.8
Lower		0.0
Upper		194.2





#45

1,2-Dichloropropane

Concen: 18.094 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampled :

VX1106WBS01

Tot Ion: 63 Resp: 43324

Ion Ratio Lower Upper

63 100

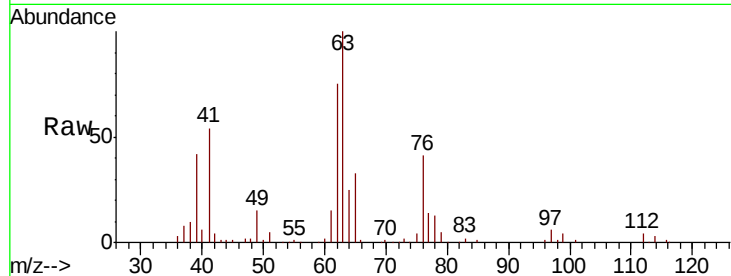
65 32.8 24.8 37.2

Manual Integrations

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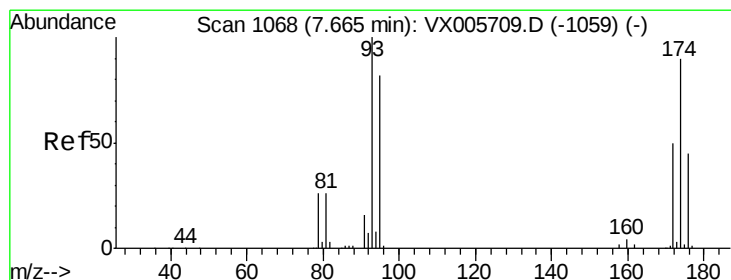
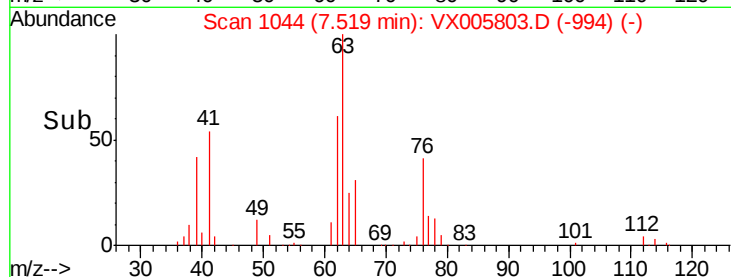
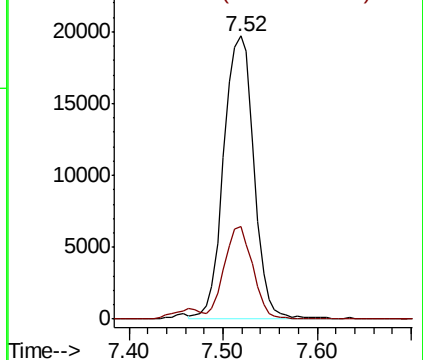
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.065 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

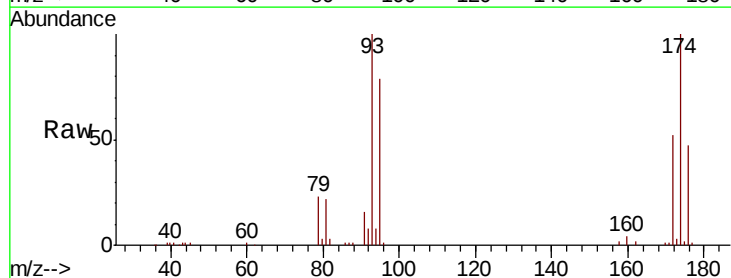
Tgt Ion: 93 Resp: 26113

Ion Ratio Lower Upper

93 100

95 81.4 67.4 101.0

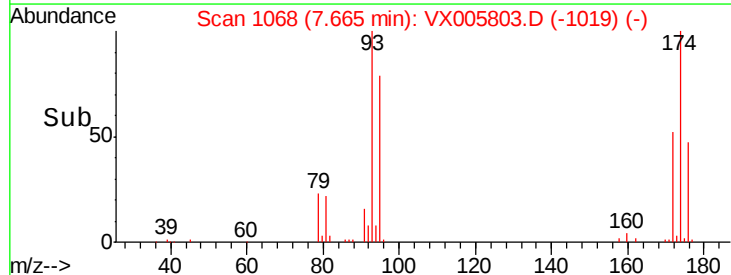
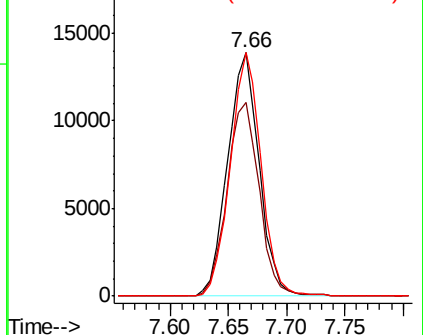
174 97.9 91.5 137.3

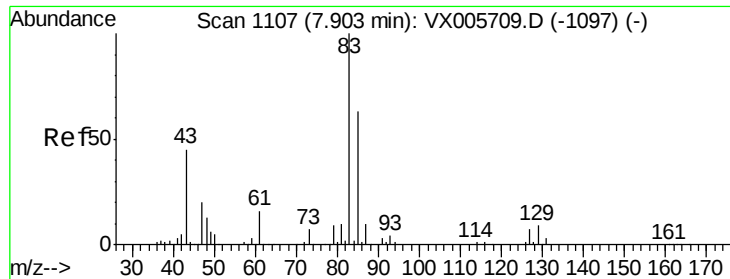


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





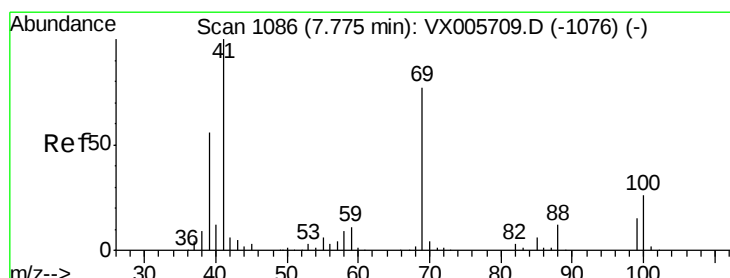
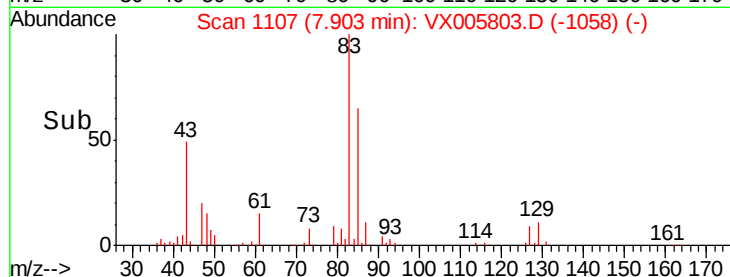
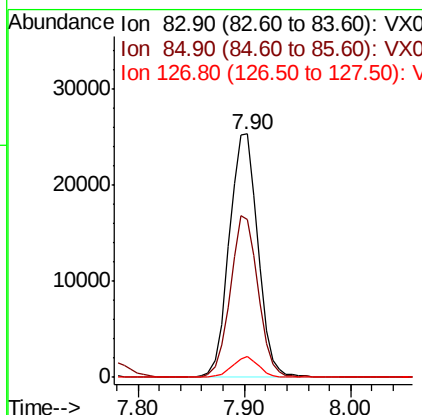
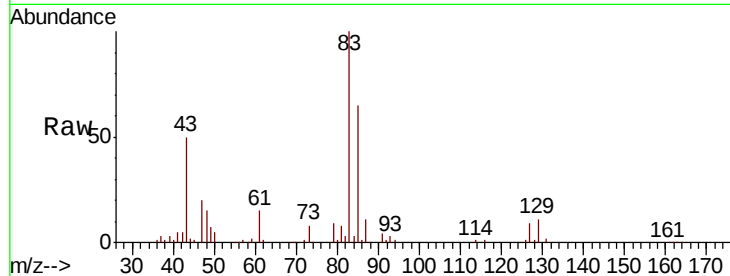
#47
Bromodichloromethane
Concen: 16.705 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	83	Resp	47950
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.2	75.4
127	8.6	6.9	10.3

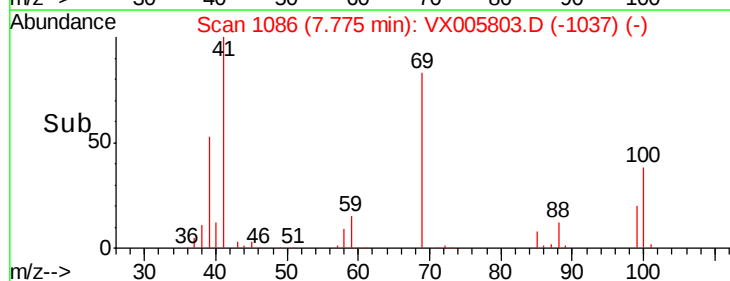
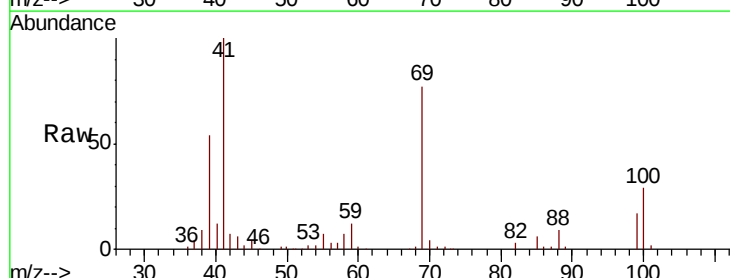
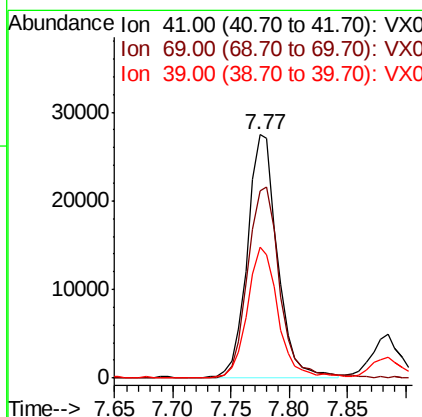
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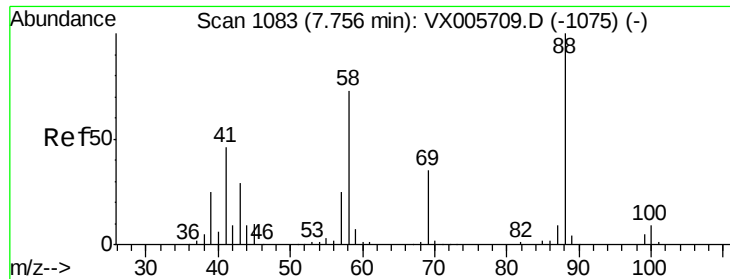
MMDadoda
11/7/2018 11:02:37 AM



#48
Methyl methacrylate
Concen: 17.740 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	41	Resp	49935
Ion Ratio	100	Lower	Upper
41	100		
69	83.5	63.2	94.8
39	55.1	42.2	63.2





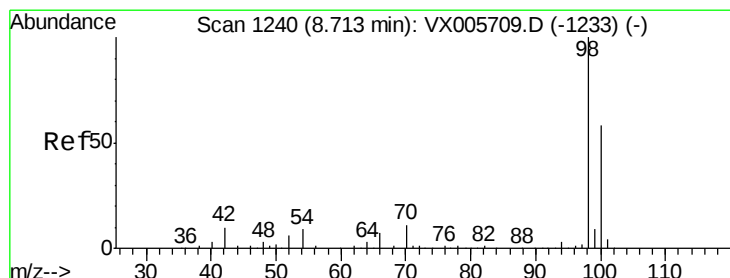
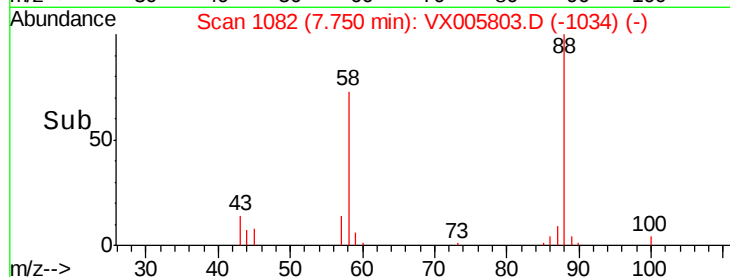
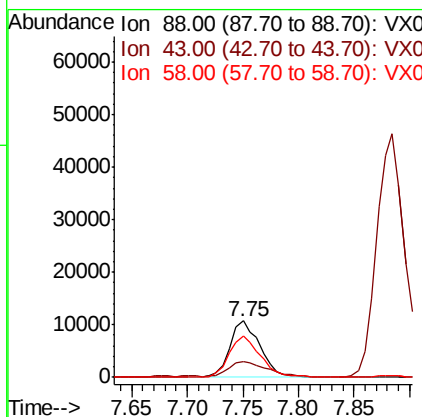
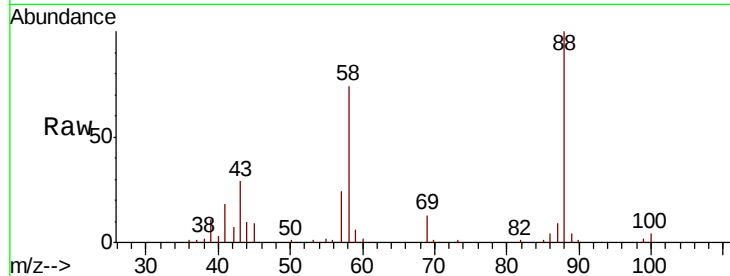
#49
1,4-Dioxane
Concen: 322.537 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.4	41.0
58	76.1	59.4	89.2

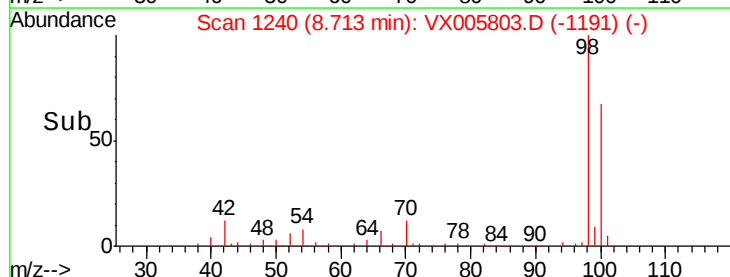
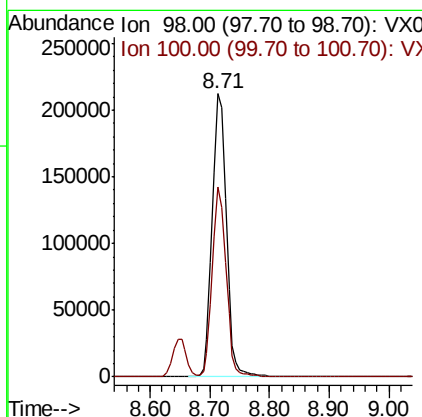
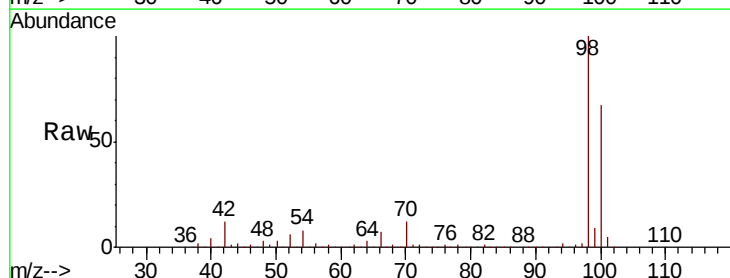
Manual Integrations
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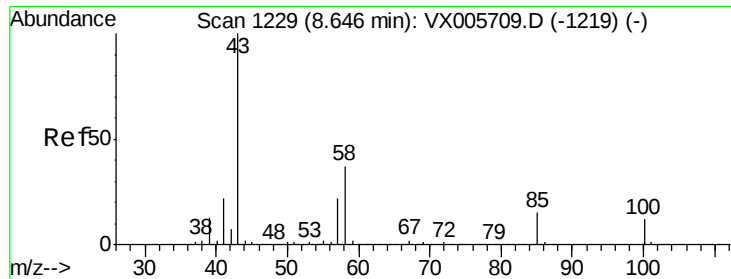
MMDadoda
11/7/2018 11:02:37 AM



#50
Toluene-d8
Concen: 48.513 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 86.075 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampled :

VX1106WBS01

Tot Ion: 43 Resp: 341330

Ion Ratio Lower Upper

43 100

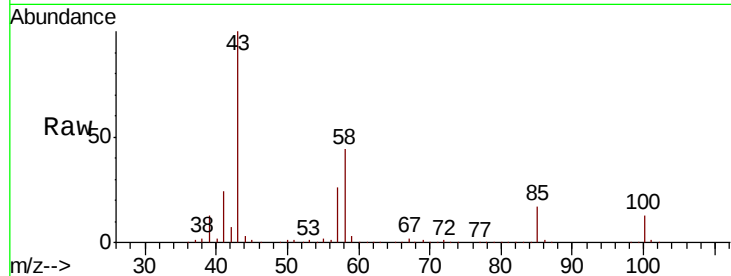
58 40.5 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX005709.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005709.D (-1219) (-)

8.65

250000

200000

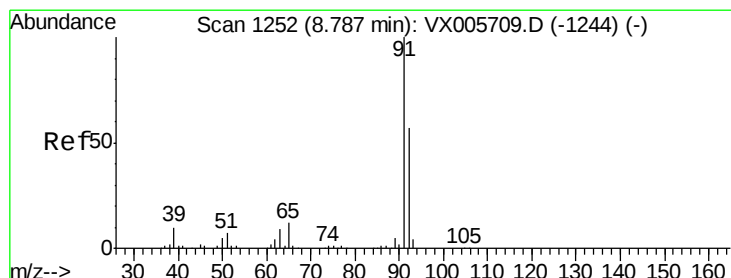
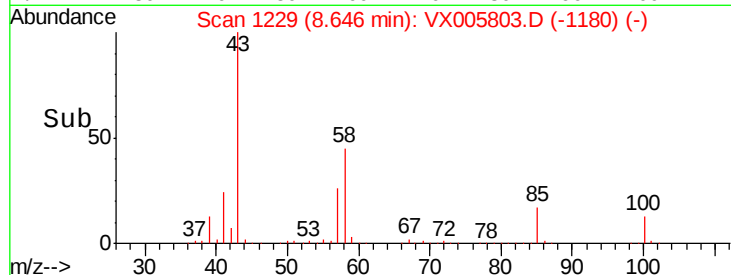
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.179 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005803.D

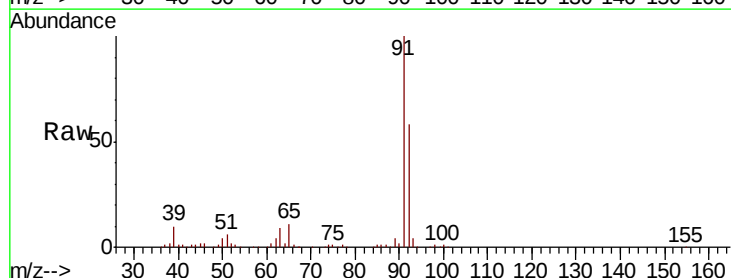
Acq: 06 Nov 2018 12:38

Tgt Ion: 92 Resp: 91877

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX005709.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005709.D (-1244) (-)

8.79

120000

100000

80000

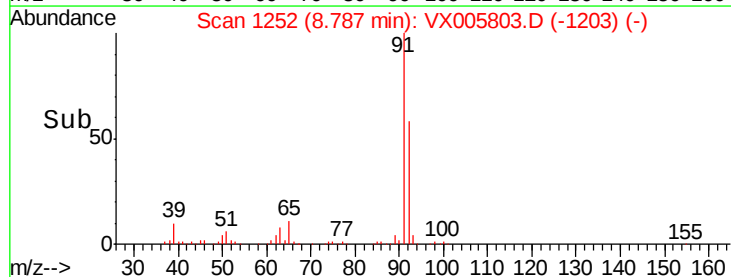
60000

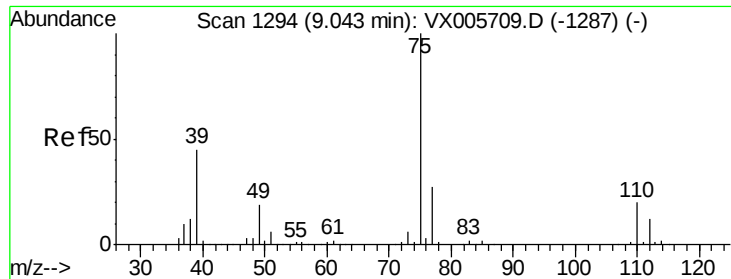
40000

20000

0

Time-->





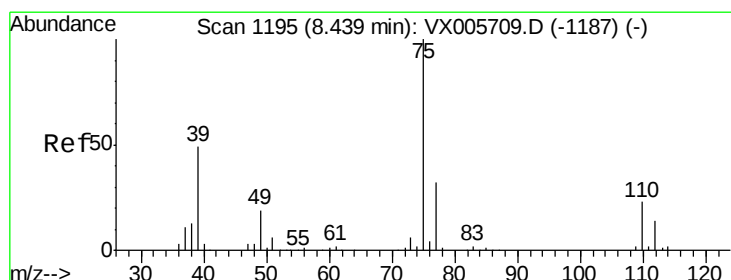
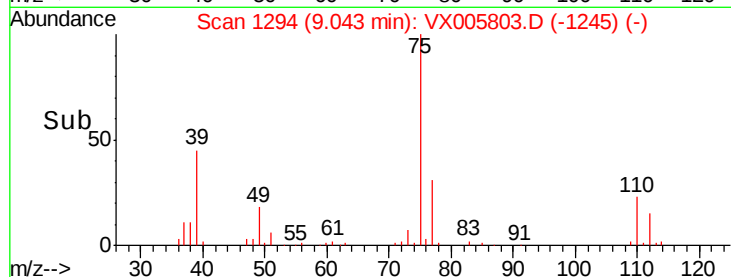
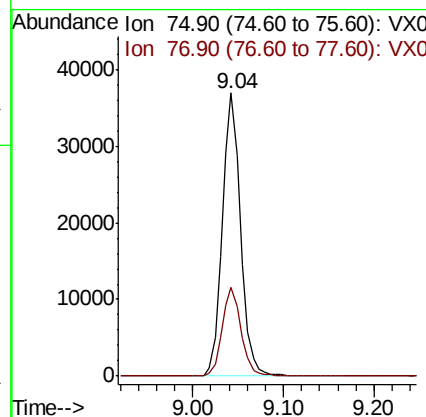
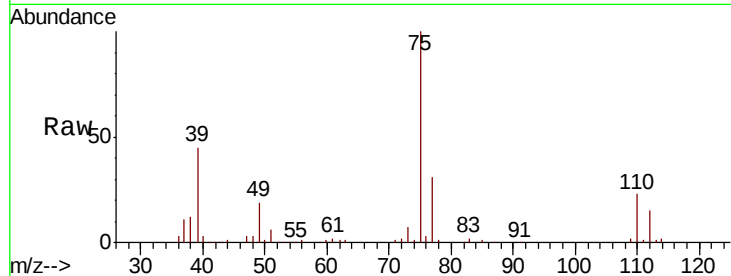
#53
t-1,3-Dichloropropene
Concen: 16.731 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion: 75 Resp: 52045
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

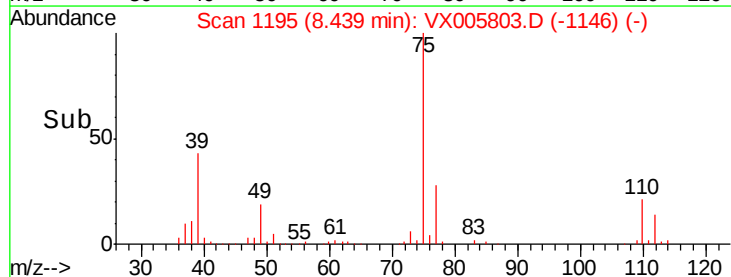
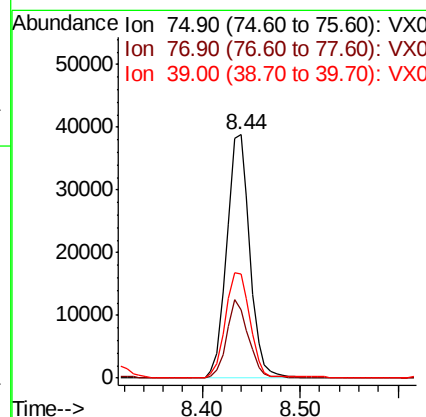
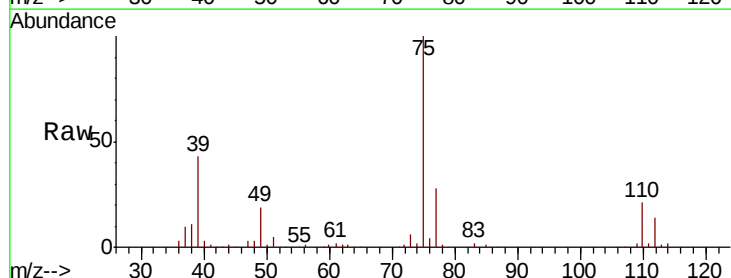
Manual Integrations
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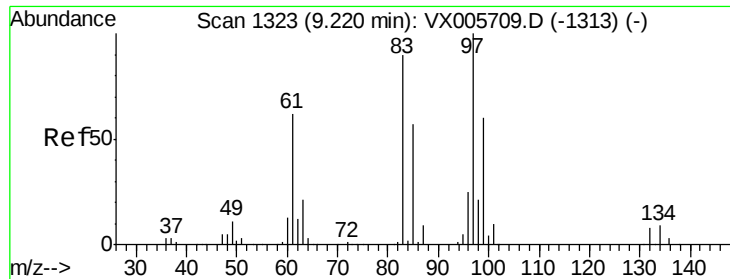
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.098 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion: 75 Resp: 63648
Ion Ratio Lower Upper
75 100
77 28.1 25.2 37.8
39 42.7 38.2 57.2





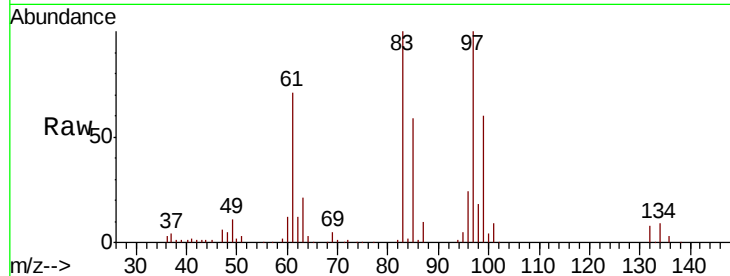
#55
 1,1,2-Trichloroethane
 Concen: 17.962 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106WBS01

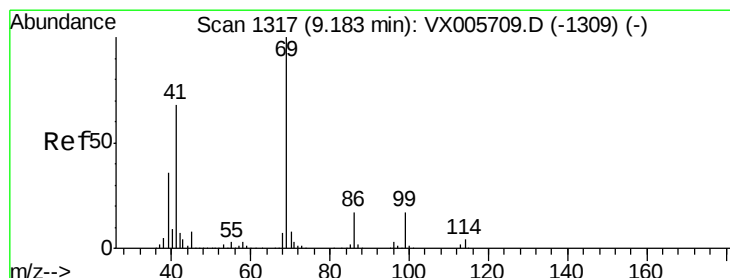
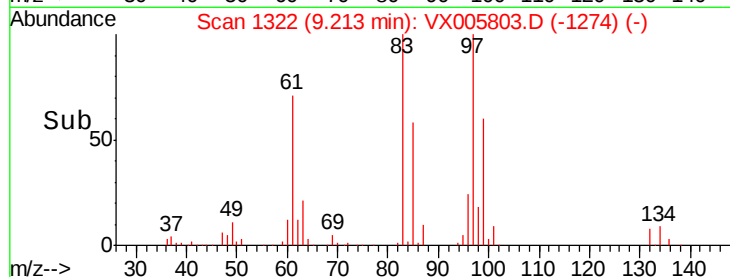
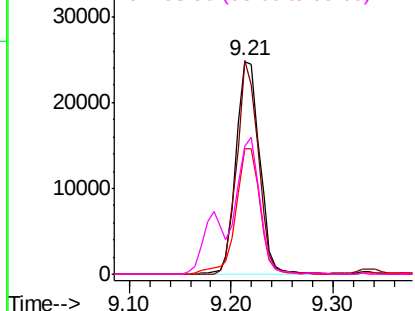
Tot Ion:	97	Resp:	39424
Ion	Ratio	Lower	Upper
97	100		
83	100.5	70.7	106.1
85	58.9	45.8	68.6
99	60.0	51.8	77.8

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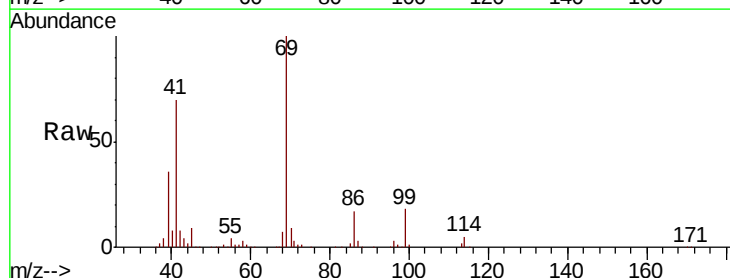


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

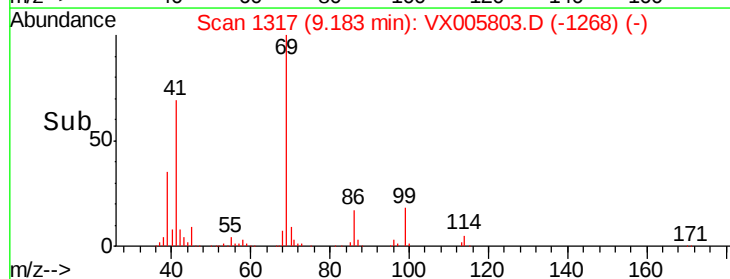
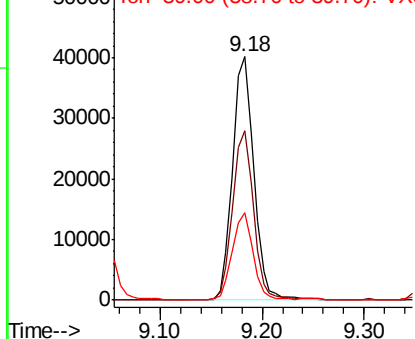


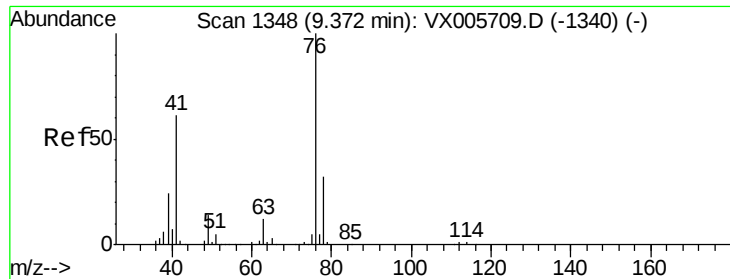
#56
 Ethyl methacrylate
 Concen: 17.208 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Tgt Ion:	69	Resp:	57760
Ion	Ratio	Lower	Upper
69	100		
41	68.4	57.0	85.6
39	35.1	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 17.398 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion: 76 Resp: 65593

Ion Ratio Lower Upper

76 100

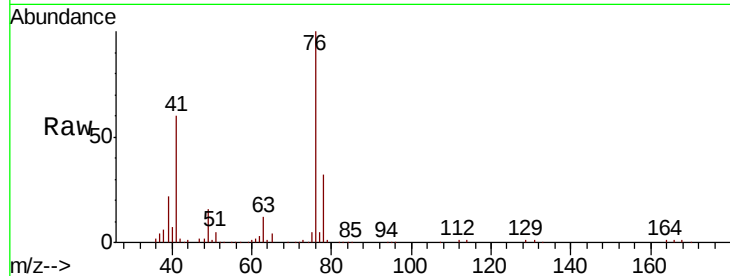
78 32.4 25.3 37.9

Manual Integrations

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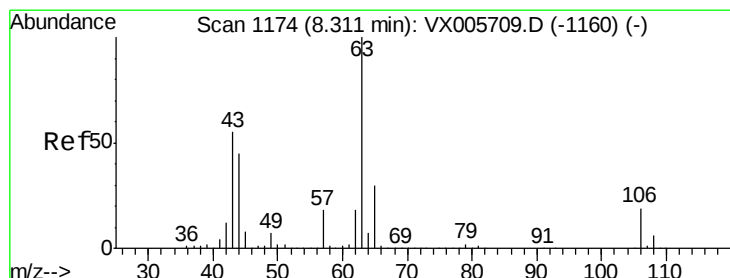
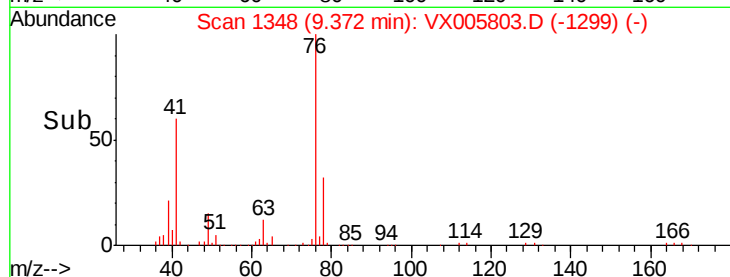
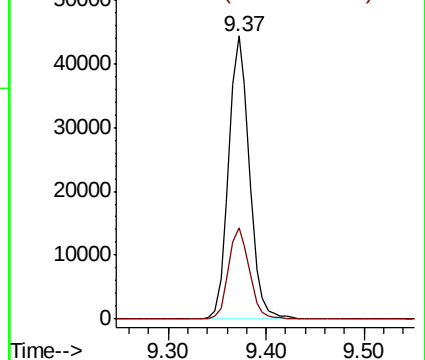
MMDadoda

11/7/2018 11:02:37 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 94.592 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005803.D

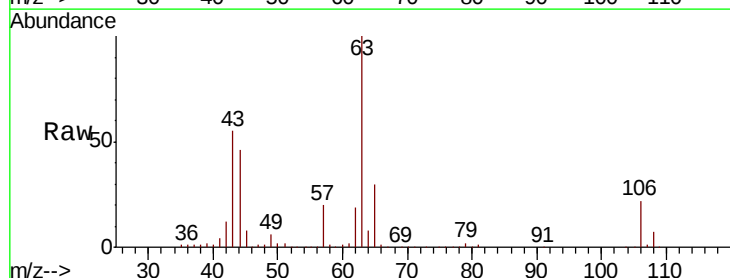
Acq: 06 Nov 2018 12:38

Tgt Ion: 63 Resp: 185976

Ion Ratio Lower Upper

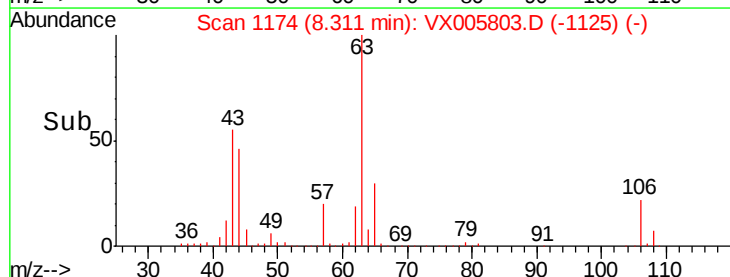
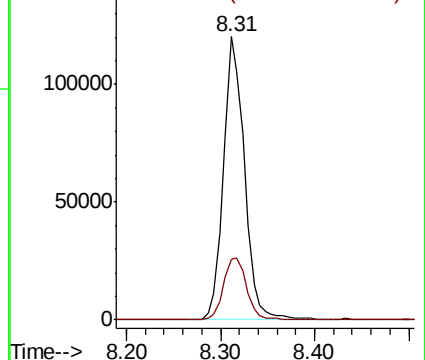
63 100

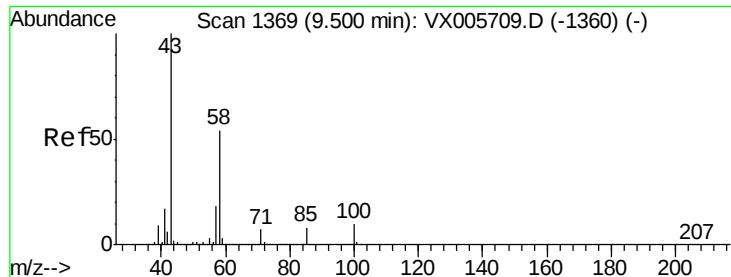
106 24.3 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





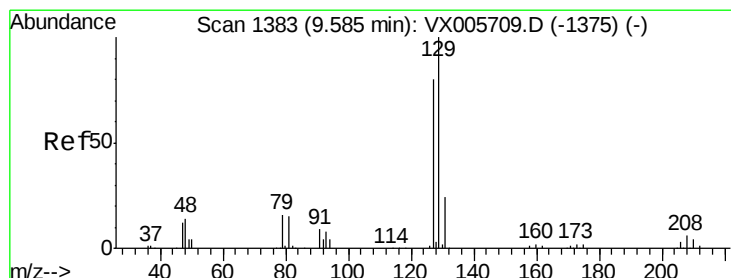
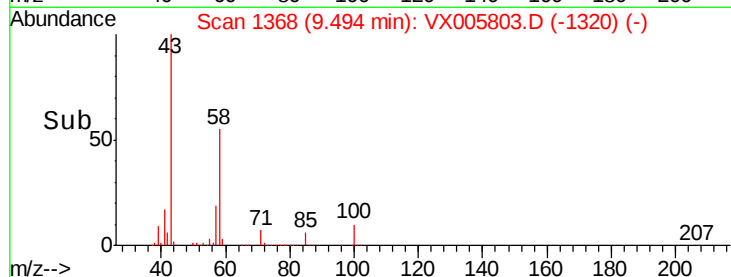
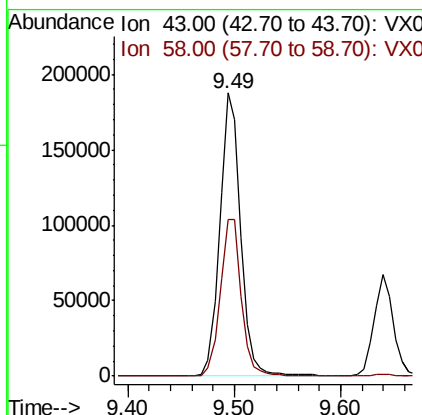
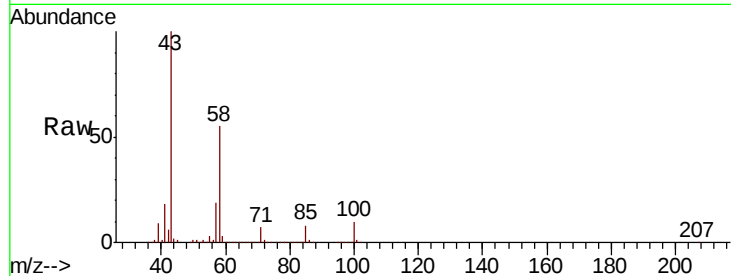
#59
2-Hexanone
Concen: 78.976 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion: 43 Resp: 254863
Ion Ratio Lower Upper
43 100
58 56.2 25.9 77.8

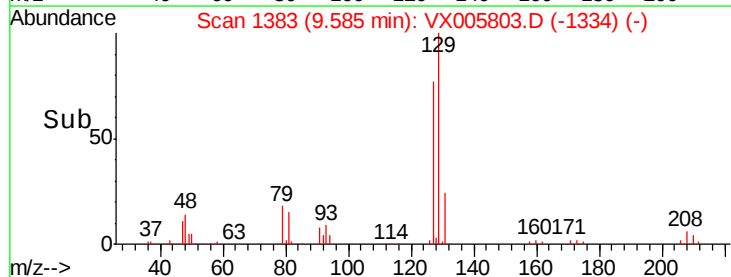
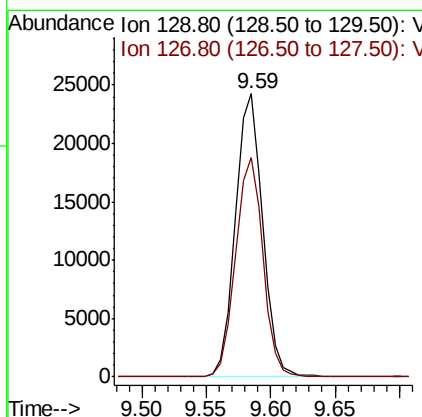
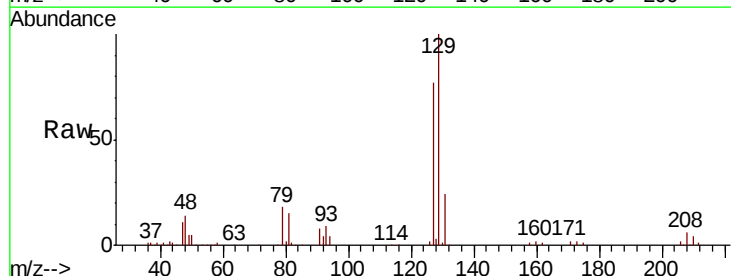
Manual Integrations
APPROVED

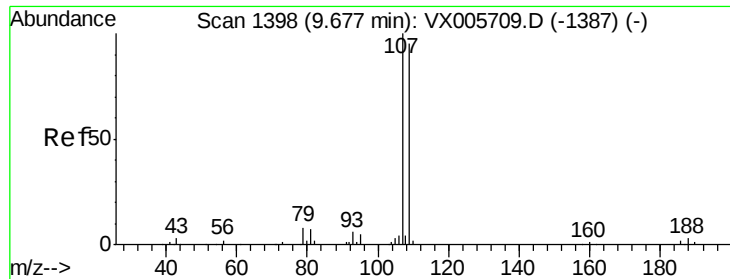
MMDadoda
11/7/2018 11:02:37 AM



#60
Dibromochloromethane
Concen: 16.818 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion: 129 Resp: 35668
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.764 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion:107 Resp: 39728

Ion Ratio Lower Upper

107 100

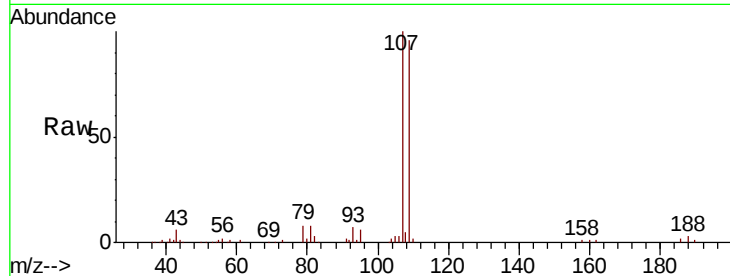
109 94.4 75.7 113.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

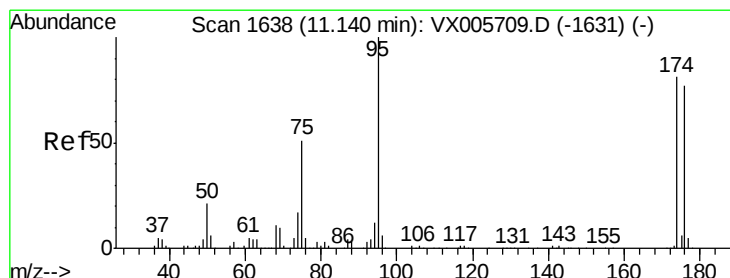
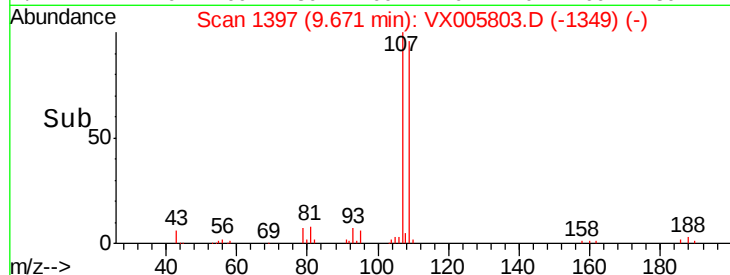
10000

5000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 45.906 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

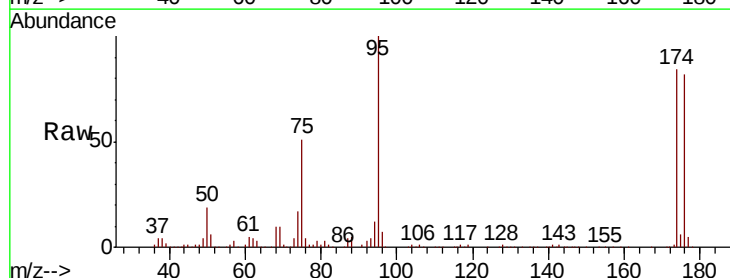
Tgt Ion: 95 Resp: 121289

Ion Ratio Lower Upper

95 100

174 79.3 0.0 184.4

176 77.4 0.0 177.4



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

120000

100000

80000

60000

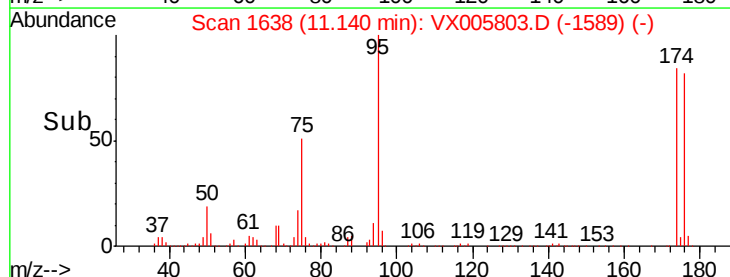
40000

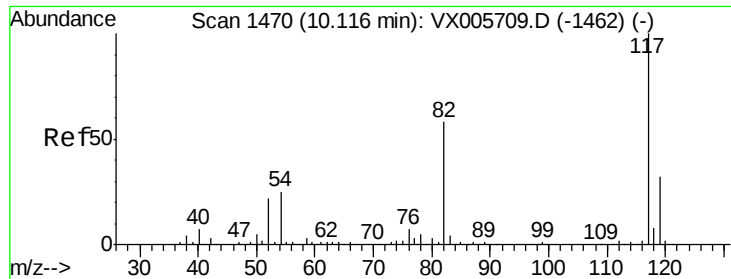
20000

0

Time-->

11.10 11.20





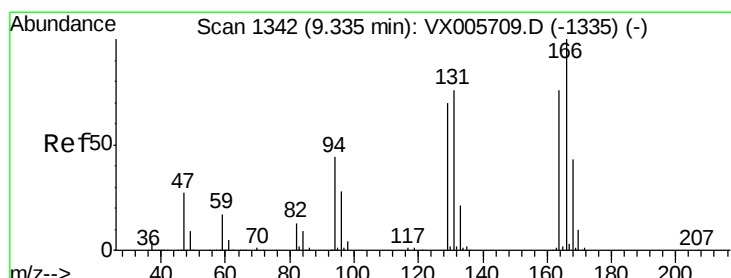
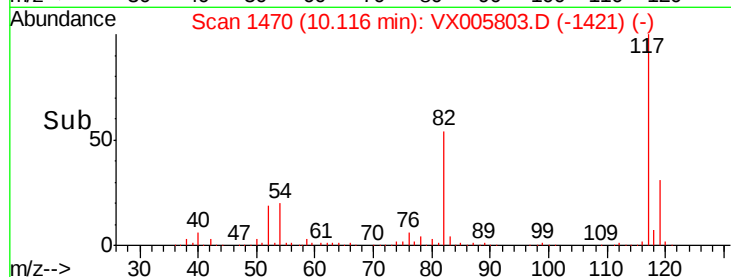
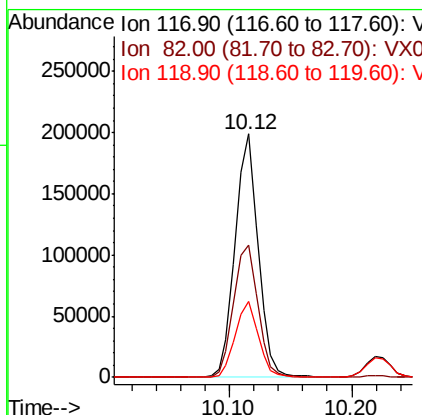
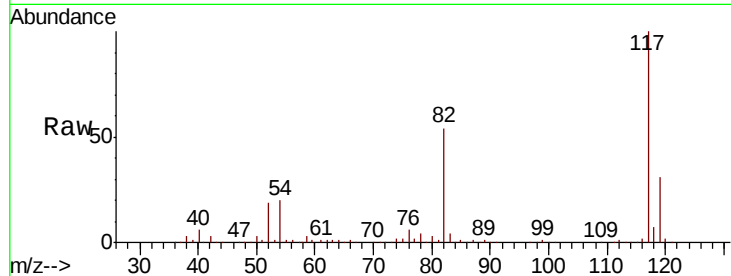
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.1	66.1
119	31.0	26.2	39.2

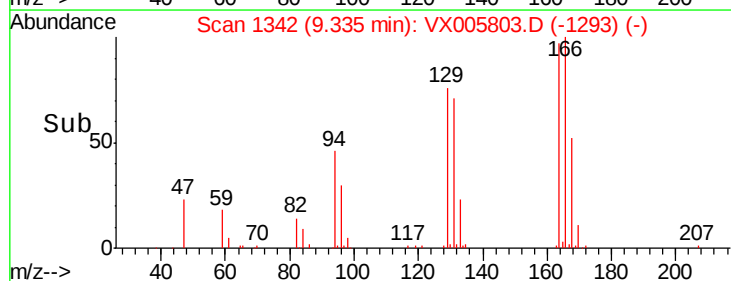
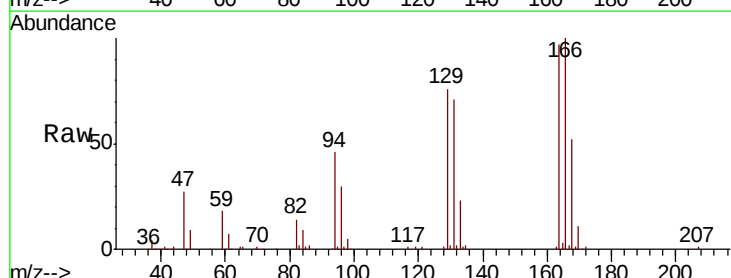
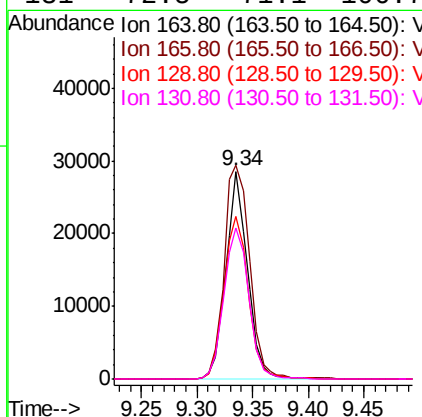
Manual Integrations
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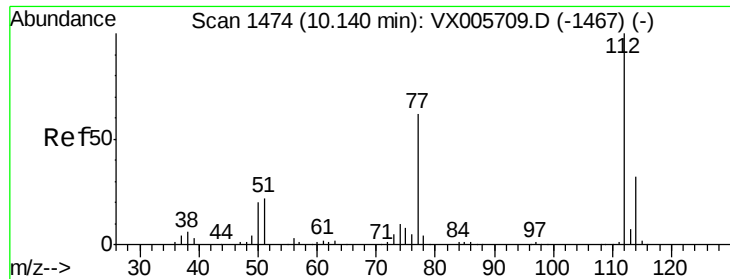
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#64
Tetrachloroethene
Concen: 20.294 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	102.7	101.9	152.9
129	78.5	72.6	109.0
131	72.5	71.1	106.7





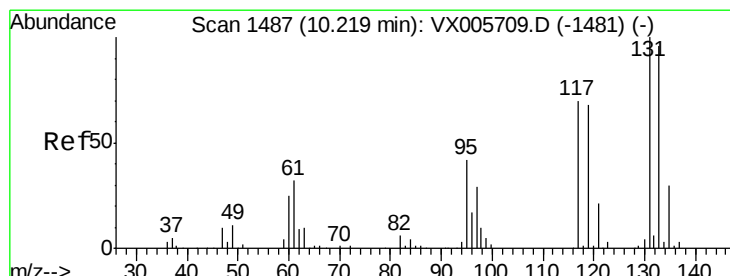
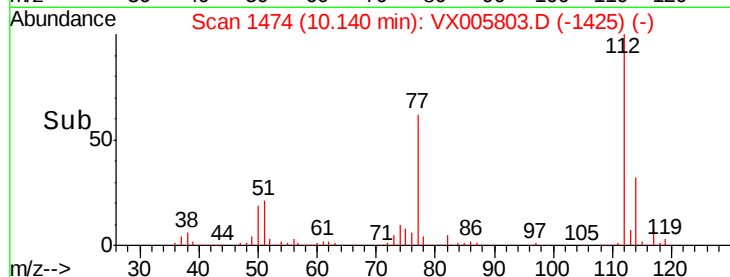
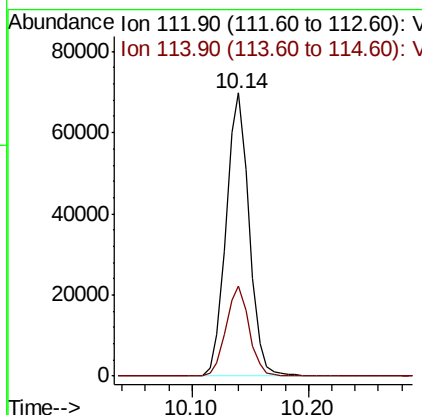
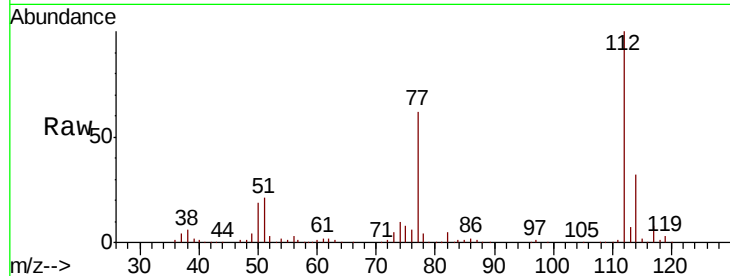
#65
Chlorobenzene
Concen: 17.451 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampled :
VX1106WBS01

Tot Ion:112 Resp: 96043
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

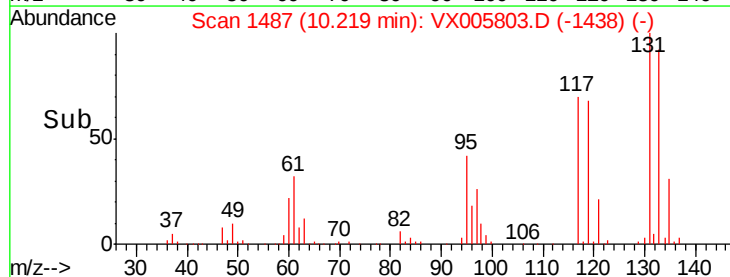
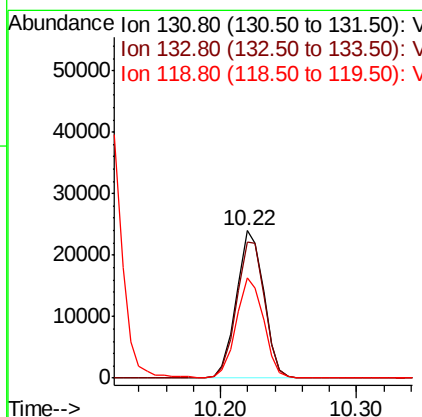
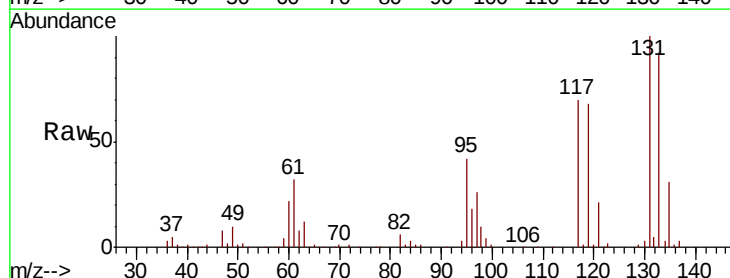
Manual Integrations
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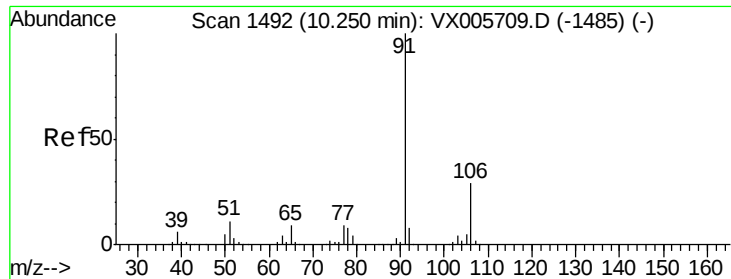
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.947 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion:131 Resp: 33814
Ion Ratio Lower Upper
131 100
133 94.4 47.5 142.5
119 68.1 31.8 95.3





#67

Ethyl Benzene

Concen: 17.725 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampled :

VX1106WBS01

Tot Ion: 91 Resp: 166488

Ion Ratio Lower Upper

91 100

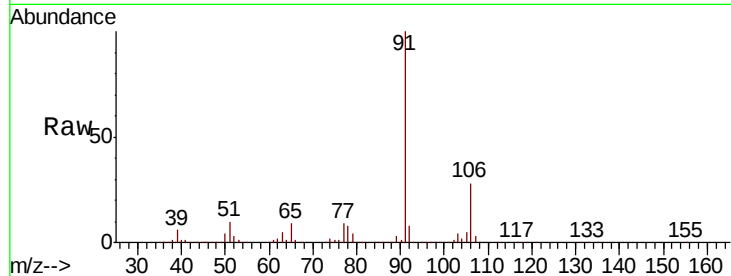
106 28.4 24.4 36.6

Manual Integrations

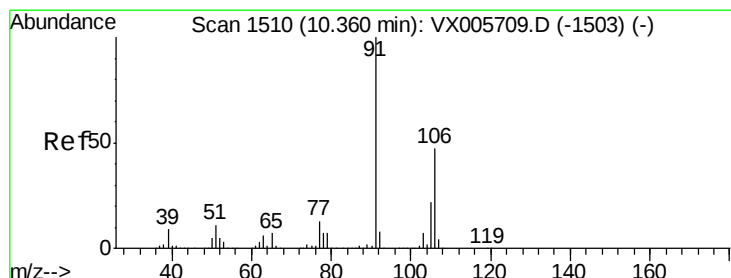
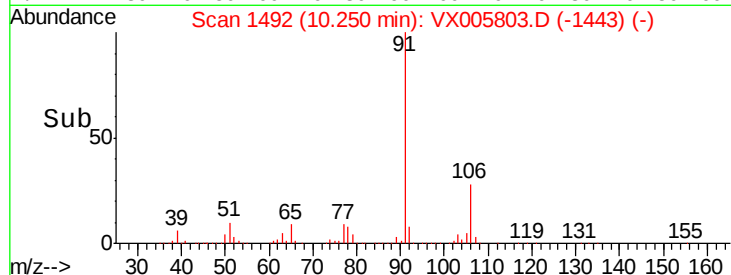
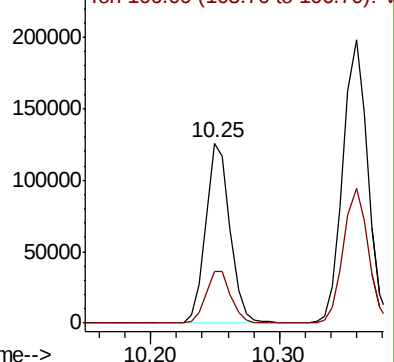
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Abundance Ion 91.00 (90.70 to 91.70): VX005709.D (-1485) (-)



#68

m/p-Xylenes

Concen: 36.123 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005803.D

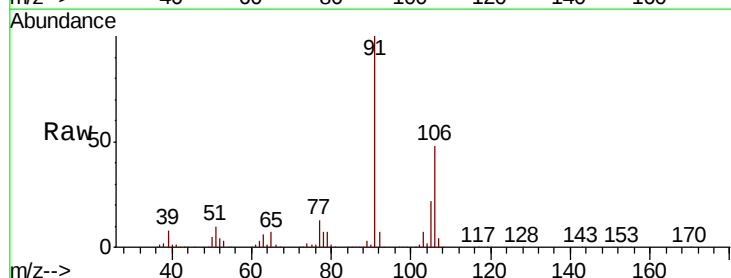
Acq: 06 Nov 2018 12:38

Tgt Ion: 106 Resp: 126079

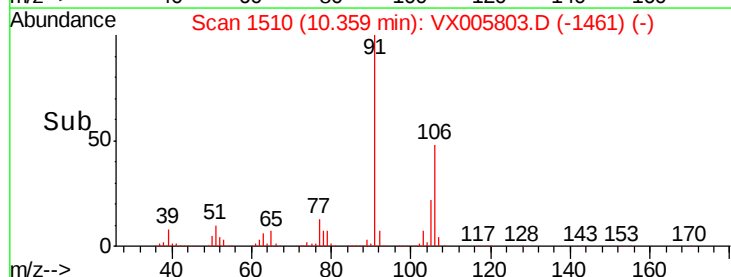
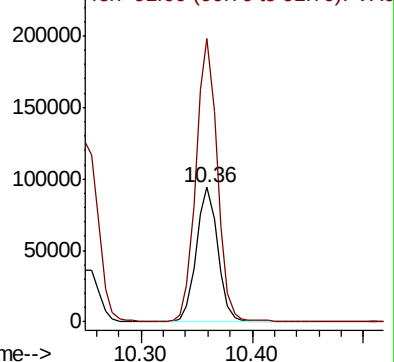
Ion Ratio Lower Upper

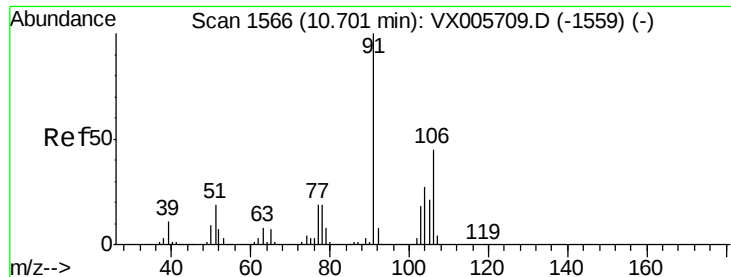
106 100

91 209.6 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005709.D (-1503) (-)





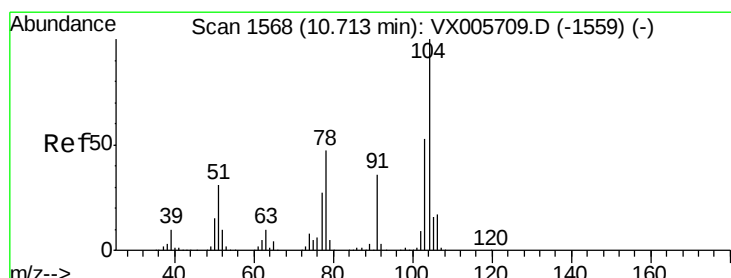
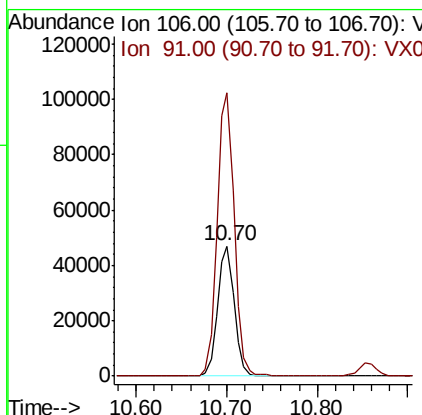
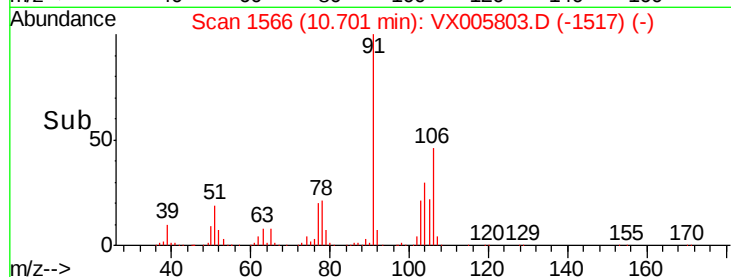
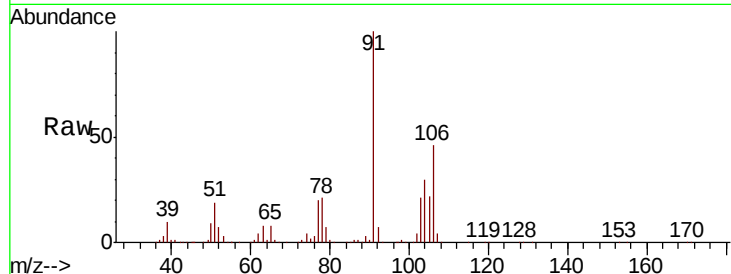
#69
o-Xylene
Concen: 18.215 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion:106 Resp: 60804
Ion Ratio Lower Upper
106 100
91 221.3 108.5 325.5

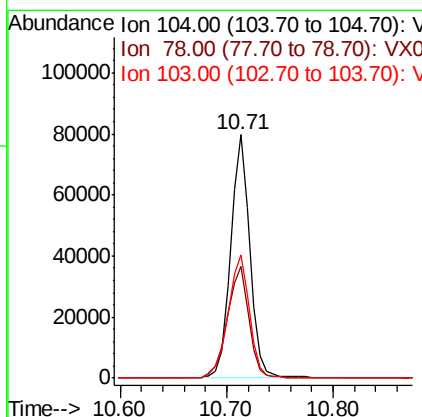
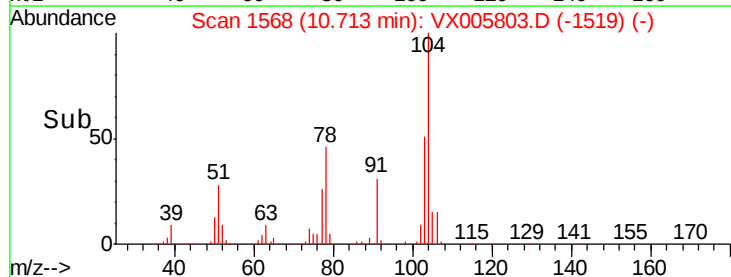
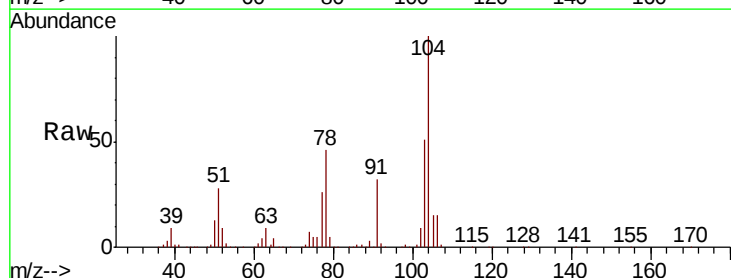
Manual Integrations
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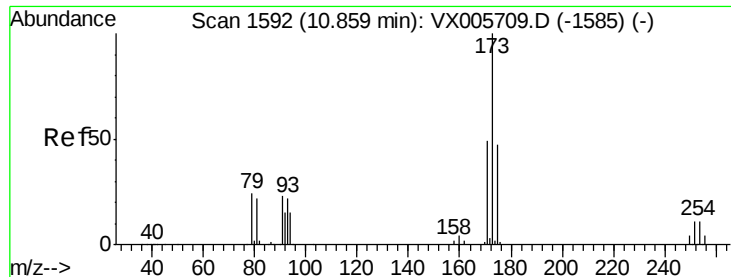
MMDadoda
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#70
Styrene
Concen: 18.303 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion:104 Resp: 101479
Ion Ratio Lower Upper
104 100
78 52.0 40.2 60.4
103 56.3 44.9 67.3





#71

Bromoform

Concen: 16.952 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion:173 Resp: 25878

Ion Ratio Lower Upper

173 100

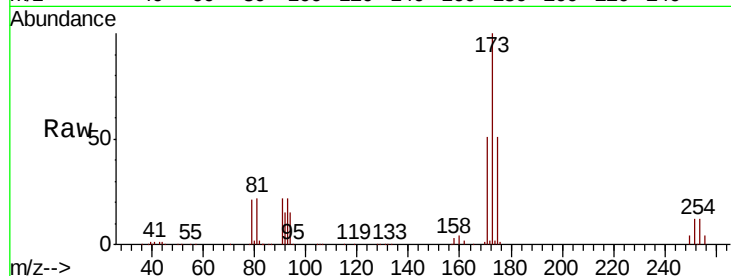
175 48.7 24.8 74.3

254 0.0 0.2 0.2#

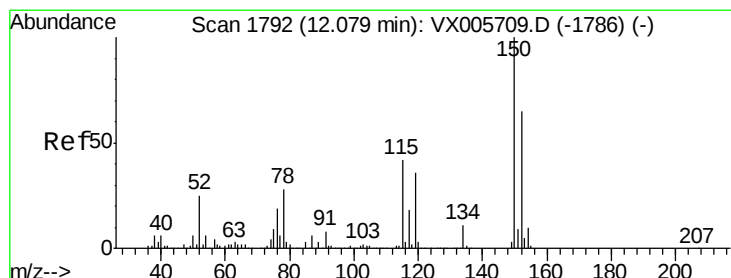
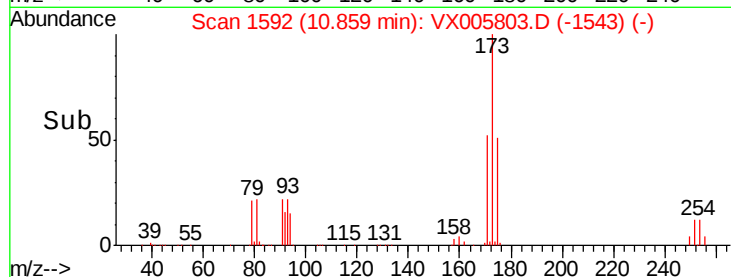
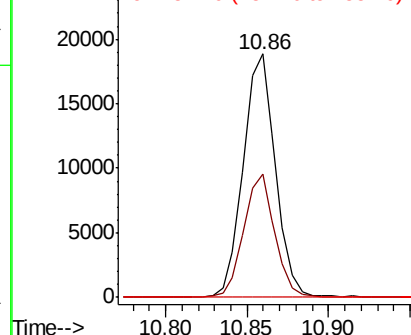
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

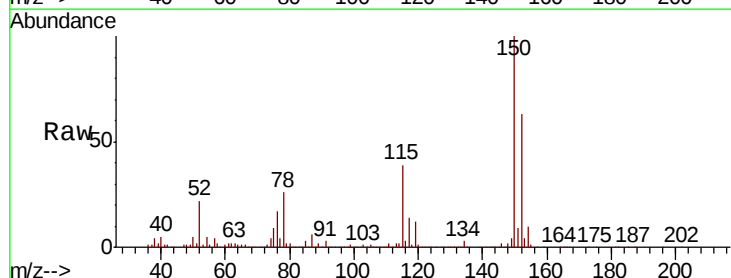
Tgt Ion:152 Resp: 127430

Ion Ratio Lower Upper

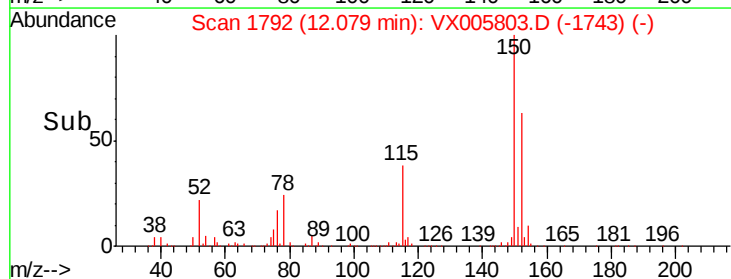
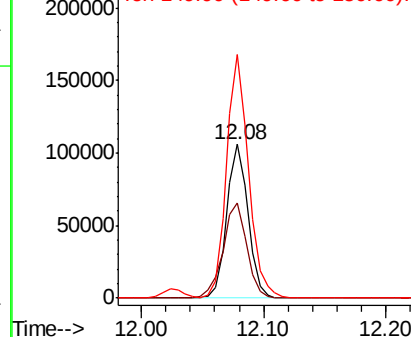
152 100

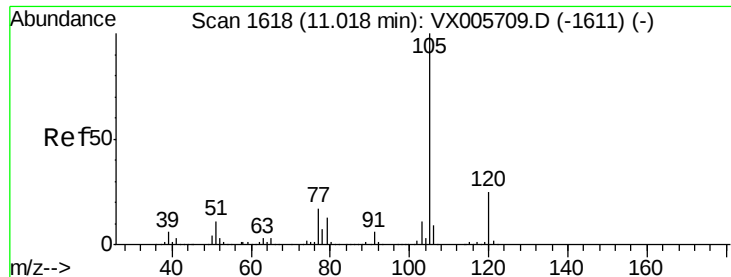
115 69.7 39.4 118.1

150 164.1 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.980 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion: 105 Resp: 167970

Ion Ratio Lower Upper

105 100

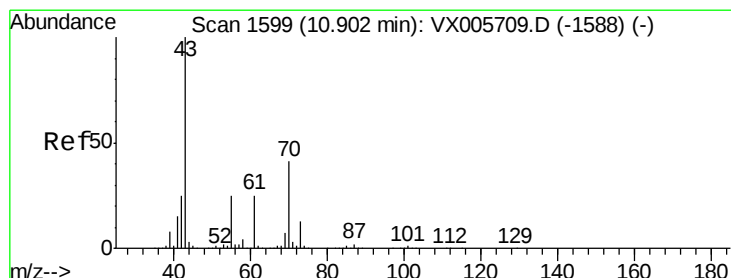
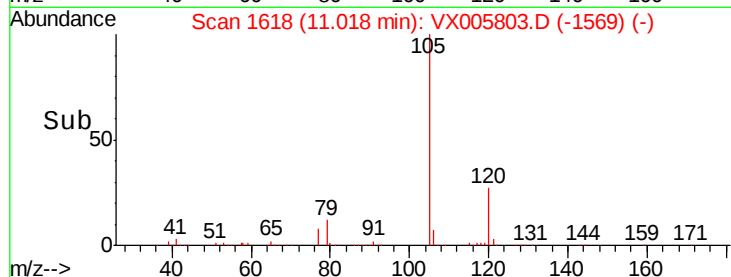
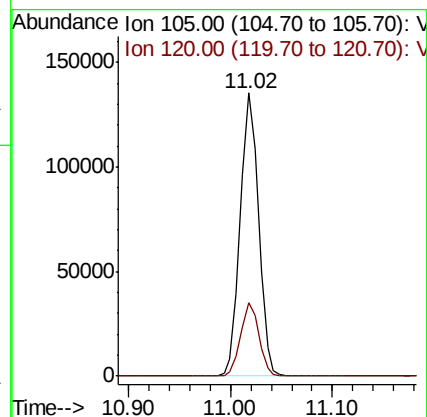
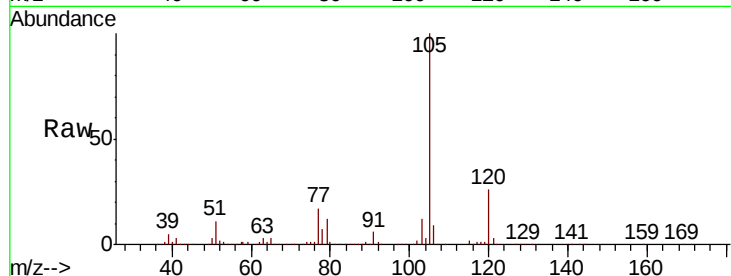
120 25.8 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.878 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Tgt Ion: 43 Resp: 80019

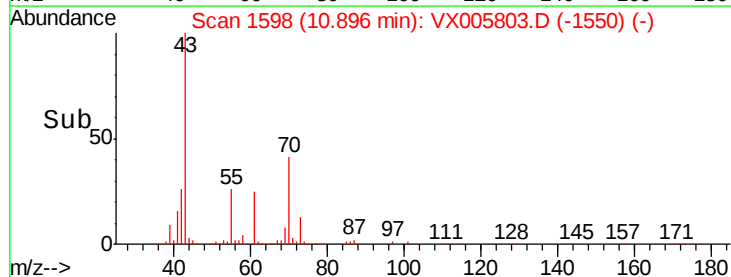
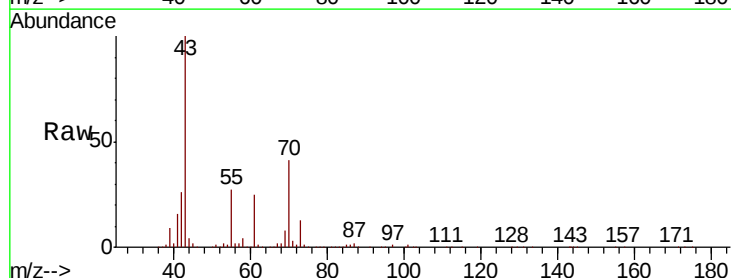
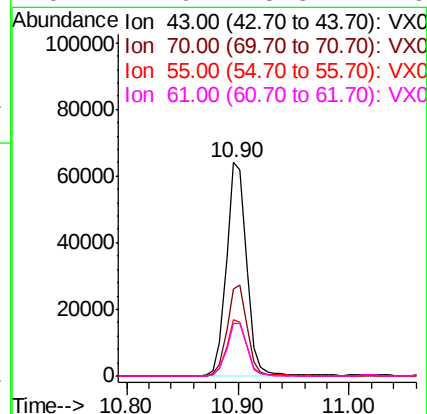
Ion Ratio Lower Upper

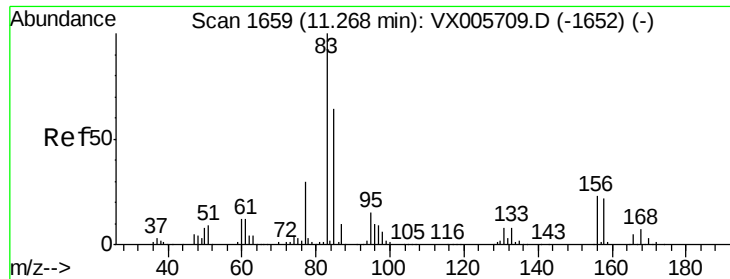
43 100

70 42.6 31.6 47.4

55 26.3 19.7 29.5

61 24.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.192 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

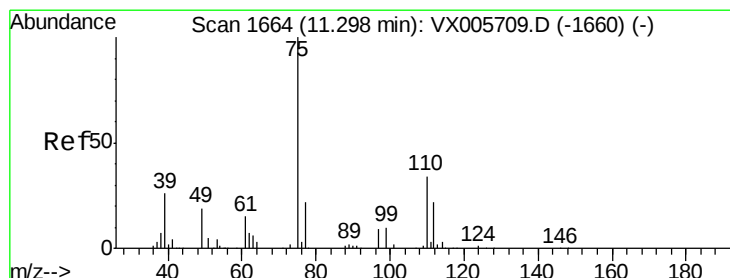
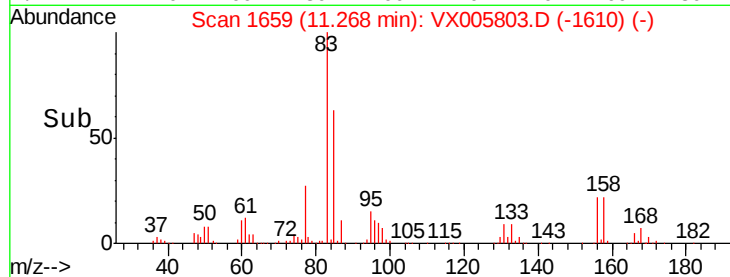
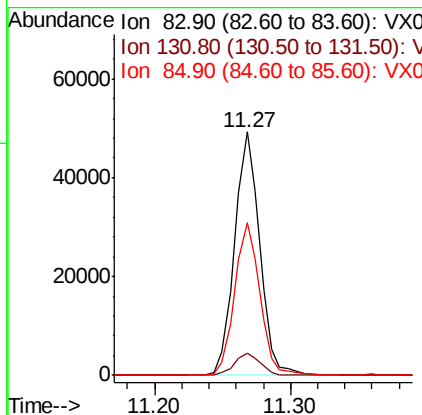
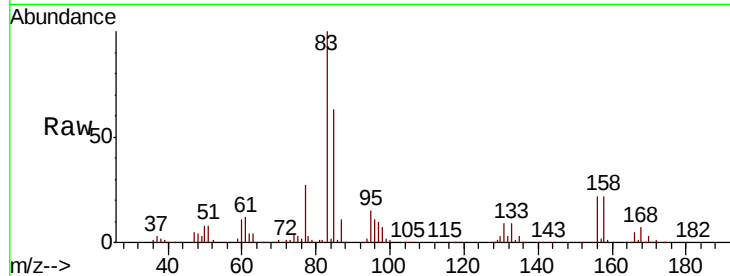
ClientSampleId :

VX1106WBS01

Tot Ion:	83	Resp:	63453
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.3	15.9
85	63.0	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.963 ug/l m

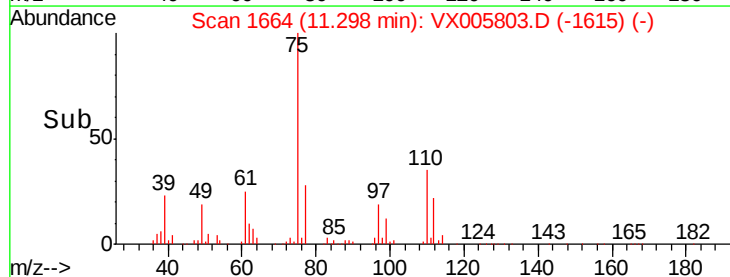
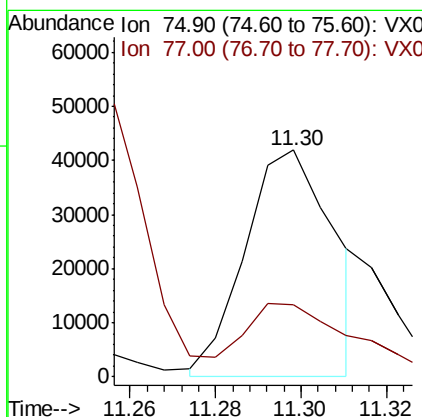
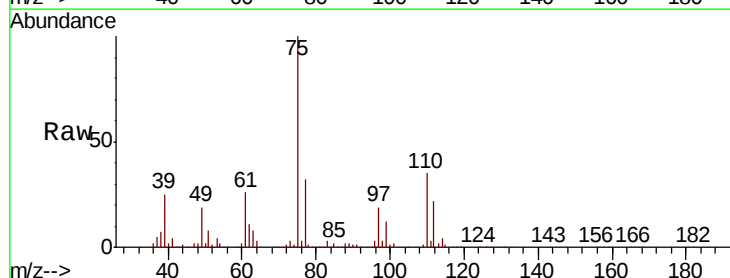
RT: 11.30 min Scan# 1664

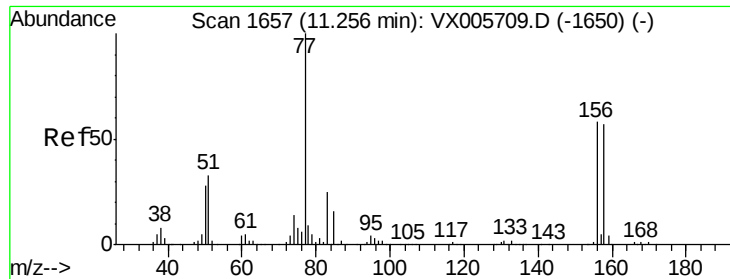
Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Tgt Ion:	75	Resp:	60184
Ion Ratio	Lower	Upper	
75	100		
77	39.2	20.5	61.6





#77

Bromobenzene

Concen: 19.706 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion:156 Resp: 41096

Ion Ratio Lower Upper

156 100

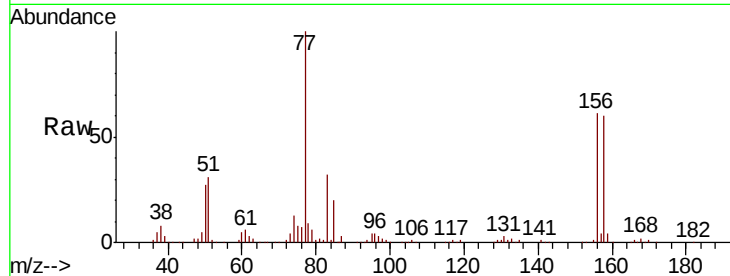
77 169.5 74.8 224.4

158 96.3 49.1 147.3

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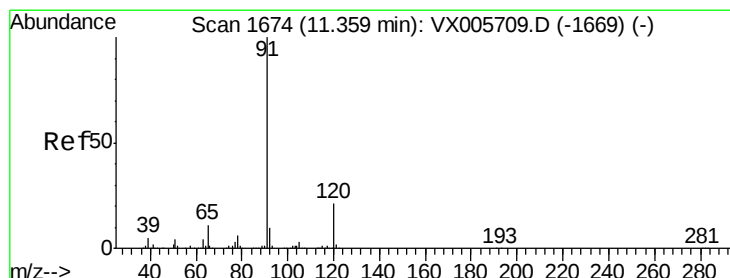
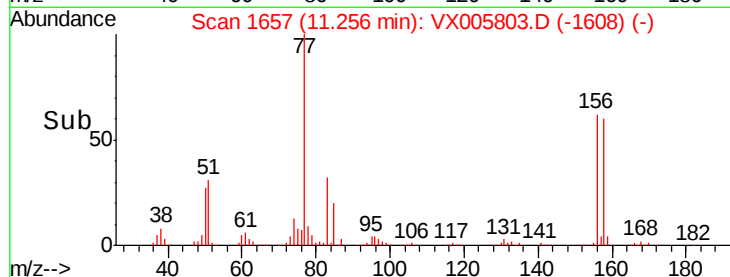
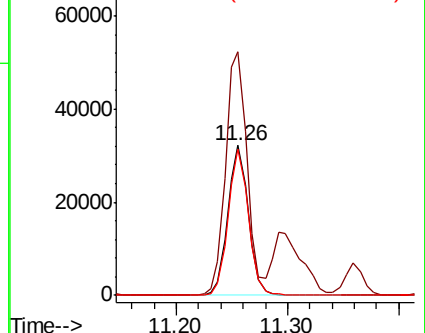
11/7/2018 11:02:37 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.381 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005803.D

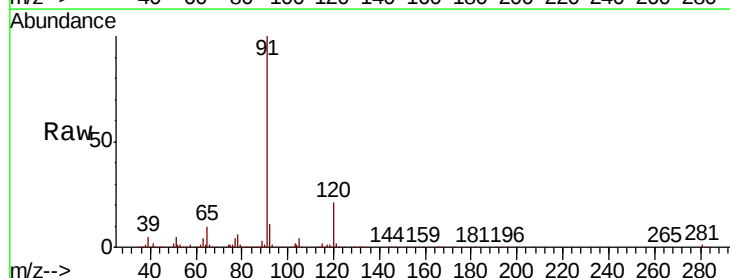
Acq: 06 Nov 2018 12:38

Tgt Ion: 91 Resp: 198214

Ion Ratio Lower Upper

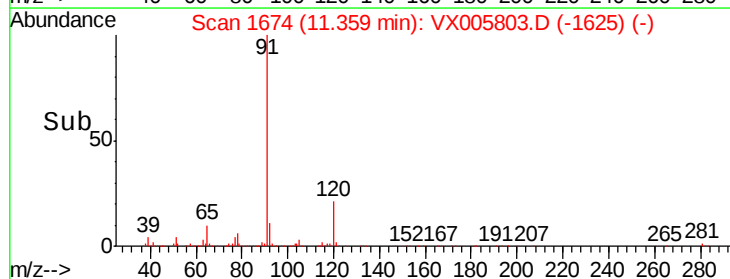
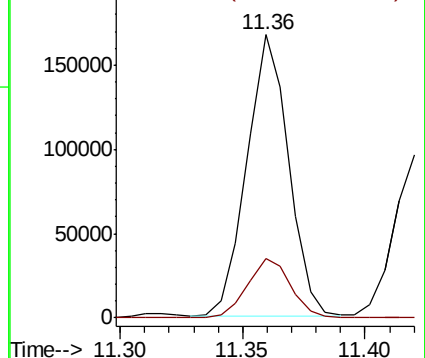
91 100

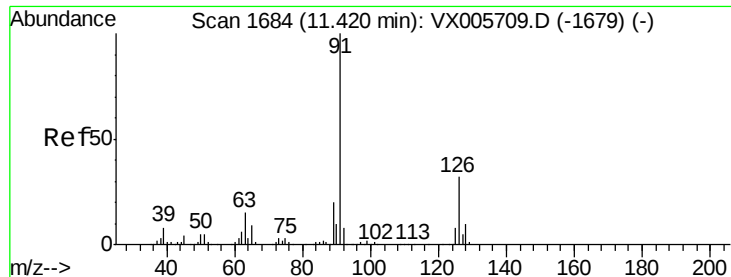
120 21.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.150 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampled :

VX1106WBS01

Tot Ion: 91 Resp: 116977

Ion Ratio Lower Upper

91 100

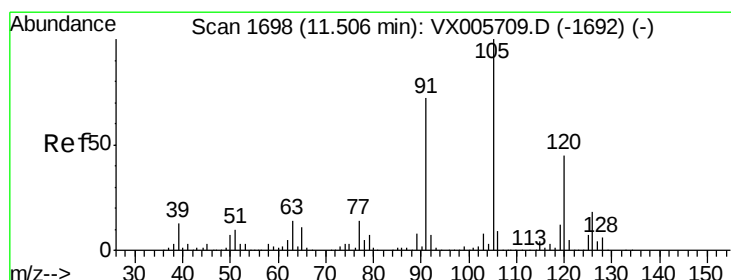
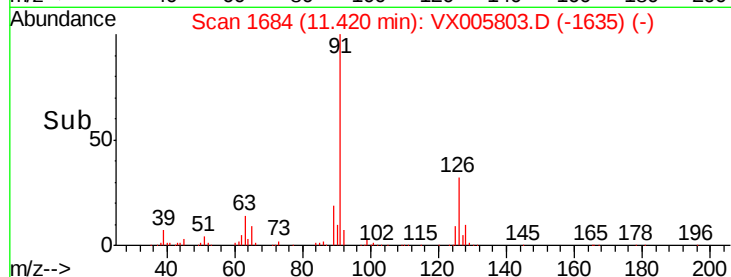
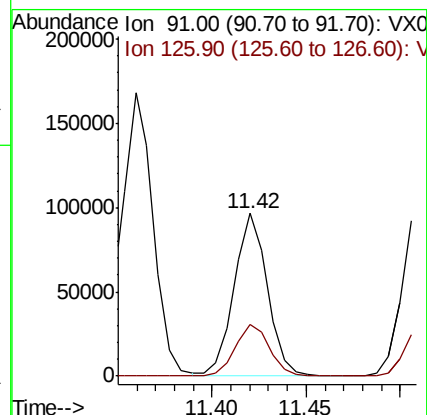
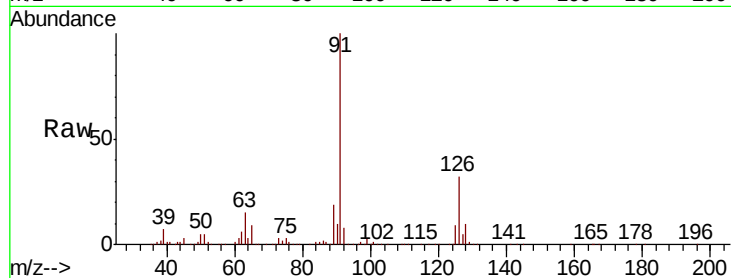
126 33.2 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.564 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005803.D

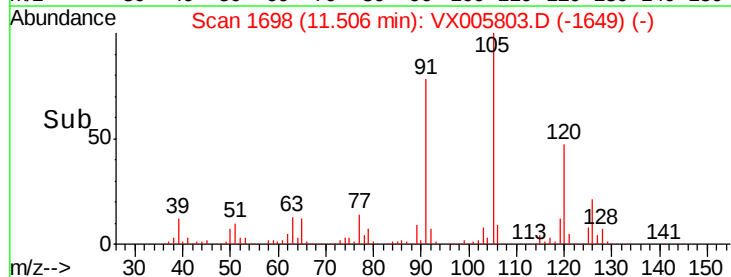
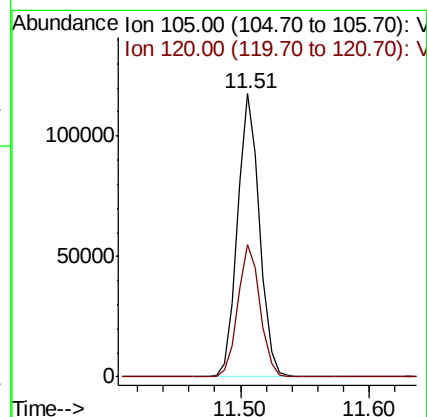
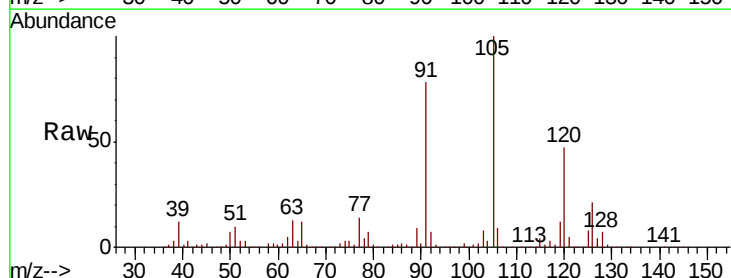
Acq: 06 Nov 2018 12:38

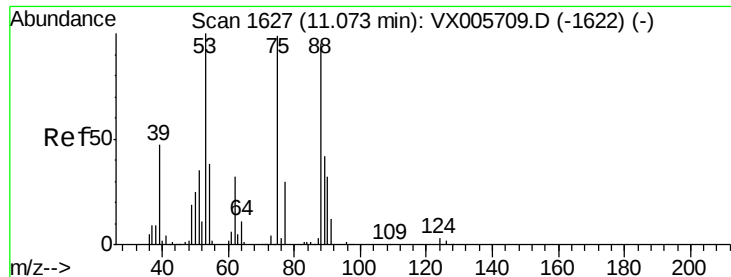
Tgt Ion: 105 Resp: 139656

Ion Ratio Lower Upper

105 100

120 47.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.941 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion: 75 Resp: 17624

Ion Ratio Lower Upper

75 100

53 102.8 80.2 120.2

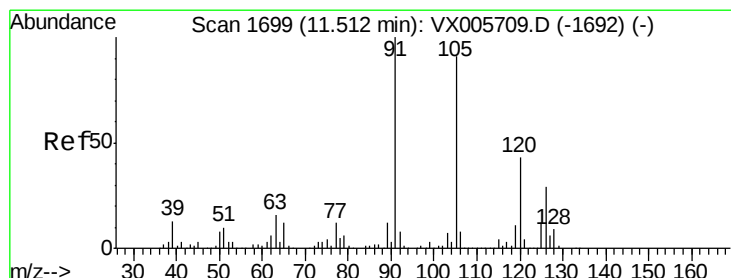
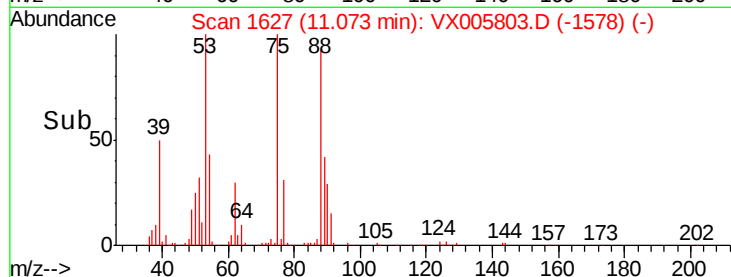
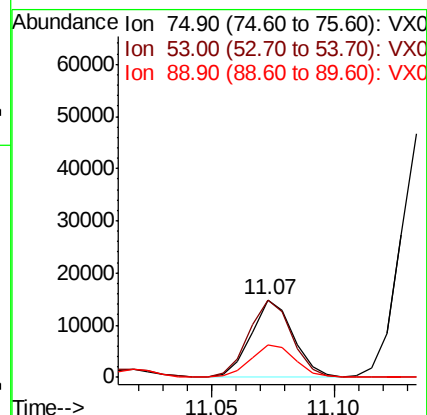
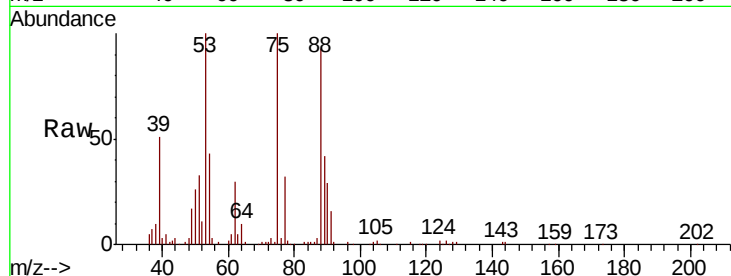
89 45.7 39.8 59.8

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#82

4-Chlorotoluene

Concen: 18.936 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005803.D

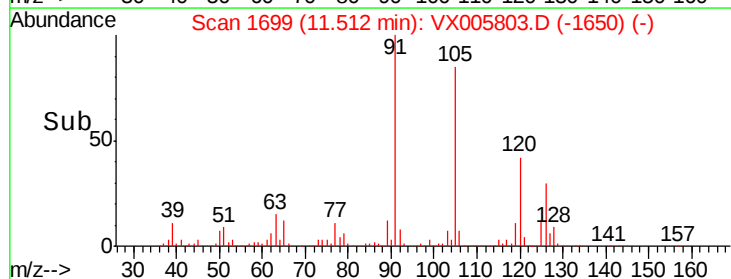
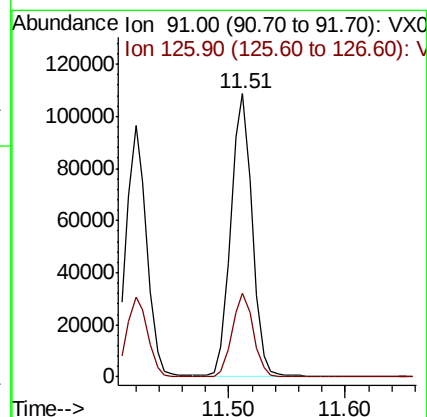
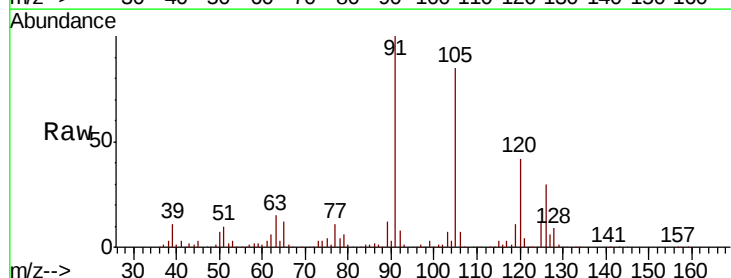
Acq: 06 Nov 2018 12:38

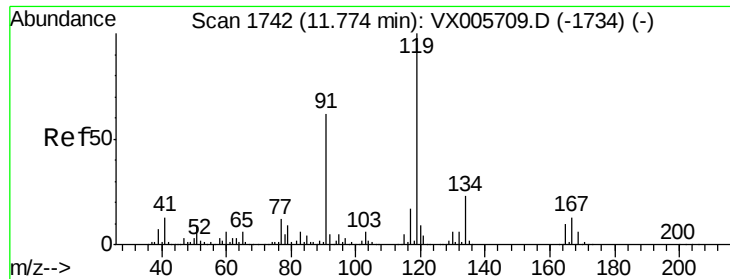
Tgt Ion: 91 Resp: 138087

Ion Ratio Lower Upper

91 100

126 29.4 15.2 45.6





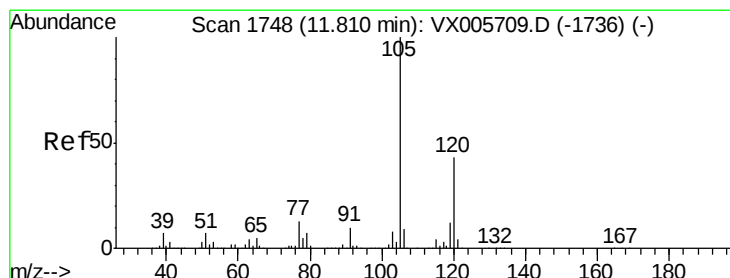
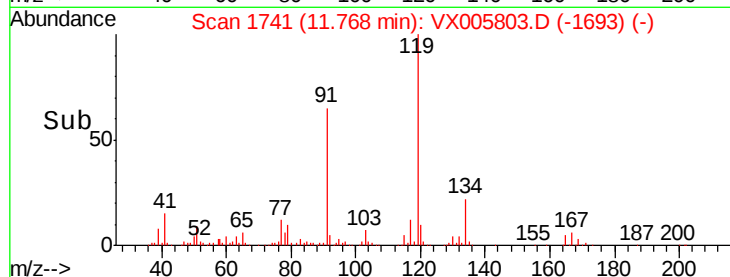
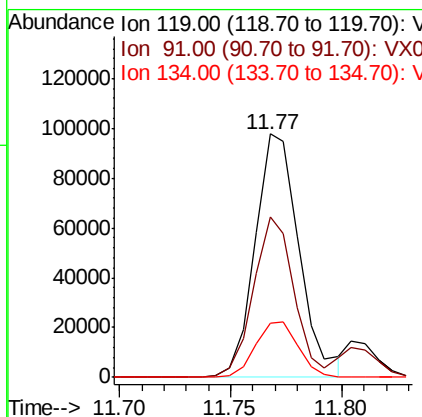
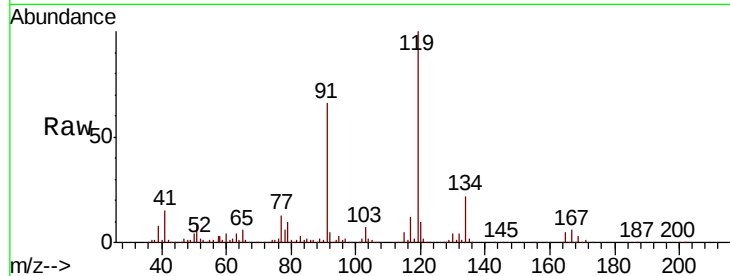
#83
tert-Butylbenzene
Concen: 19.798 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134841		
91	60.2	28.5	85.5	
134	22.2	11.3	33.8	

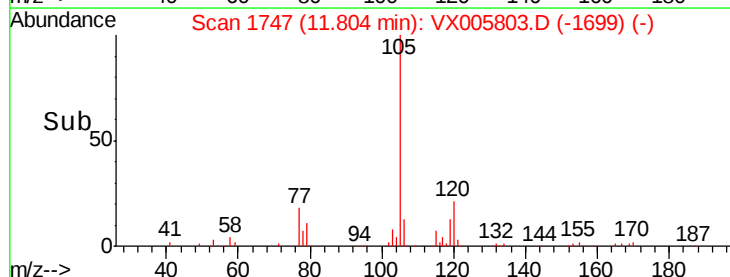
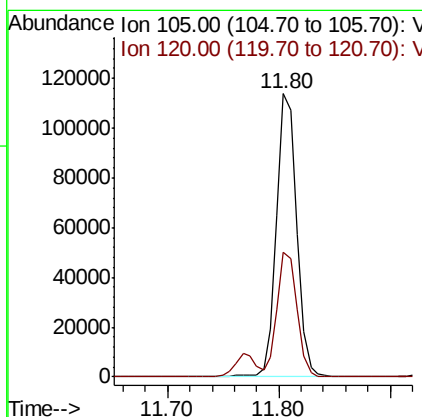
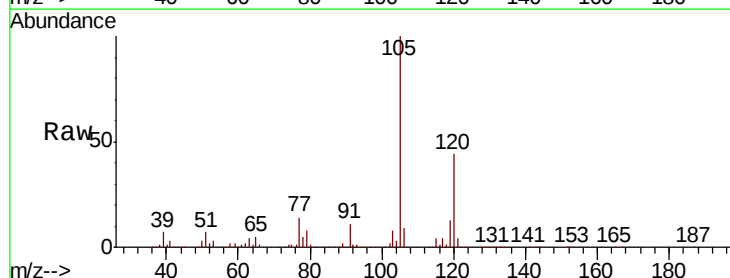
Manual Integrations
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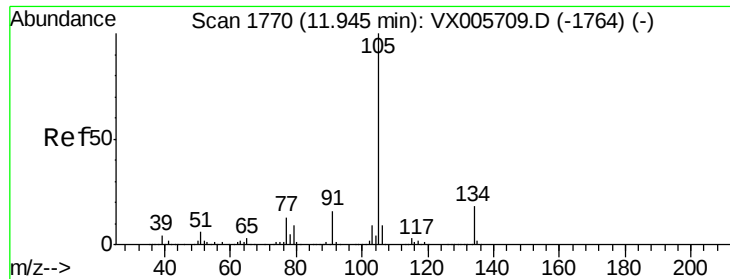
MMDadoda
11/7/2018 11:02:37 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.961 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143880		
120	43.5	22.4	67.0	





#85

sec-Butylbenzene

Concen: 19.565 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1106WBS01

Tot Ion:105 Resp: 170940

Ion Ratio Lower Upper

105 100

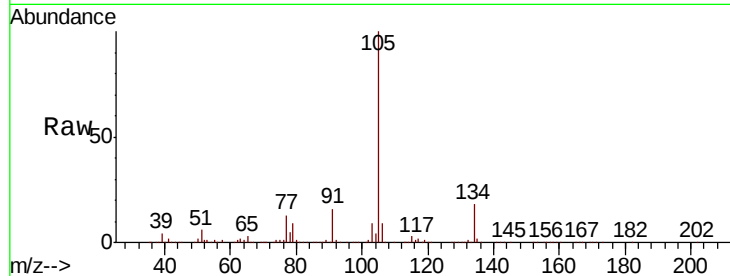
134 19.3 10.2 30.4

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

150000

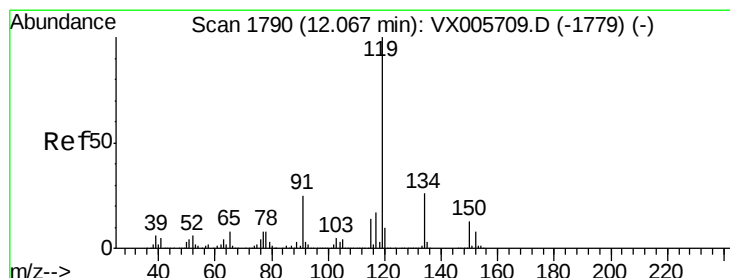
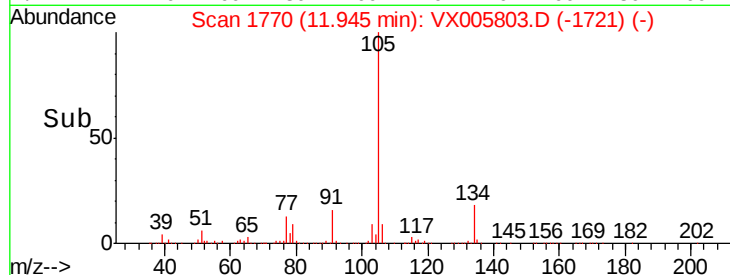
11.94

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.602 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005803.D

Acq: 06 Nov 2018 12:38

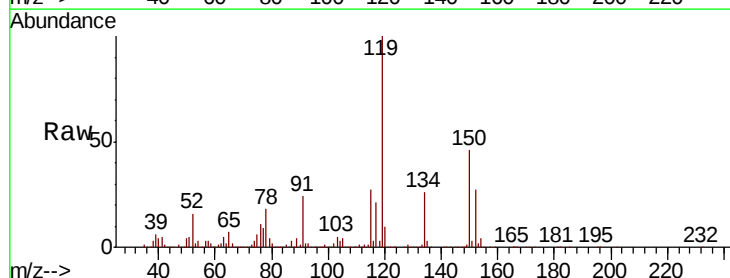
Tgt Ion:119 Resp: 145657

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 26.6 11.4 34.2



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): VX0

150000

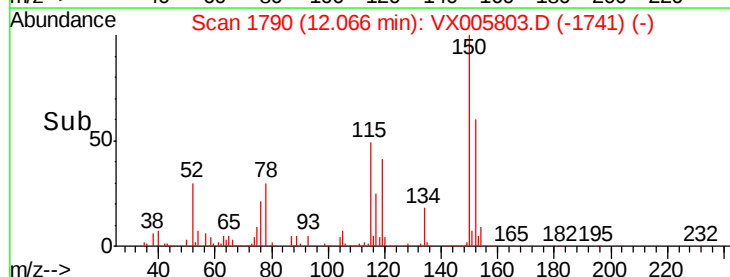
12.07

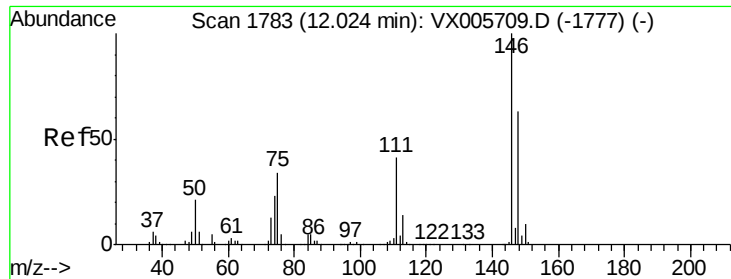
100000

50000

0

Time-->





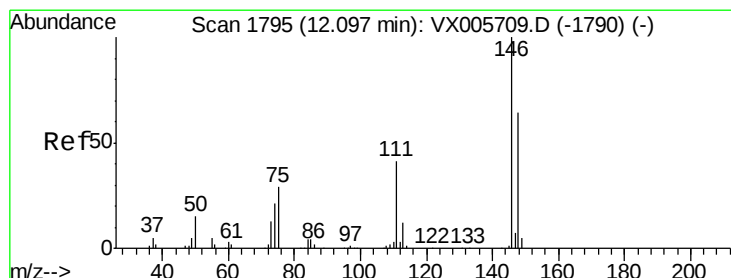
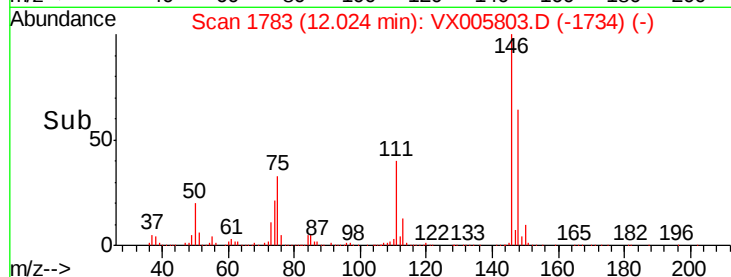
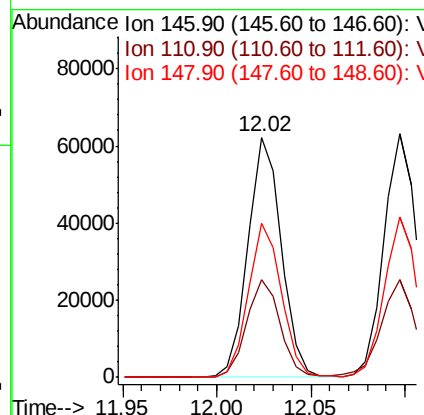
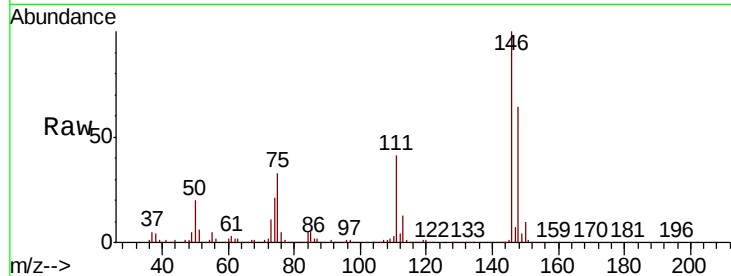
#87
 1,3-Dichlorobenzene
 Concen: 18.996 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.0	57.0
148	63.7	31.9	95.9

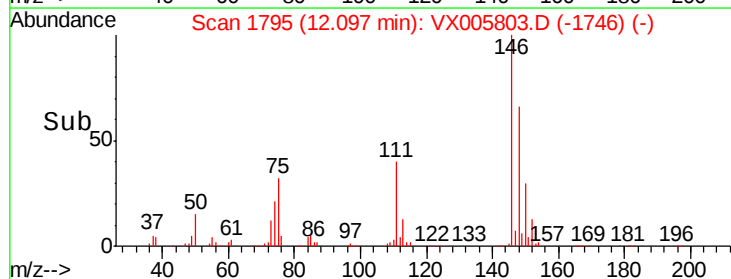
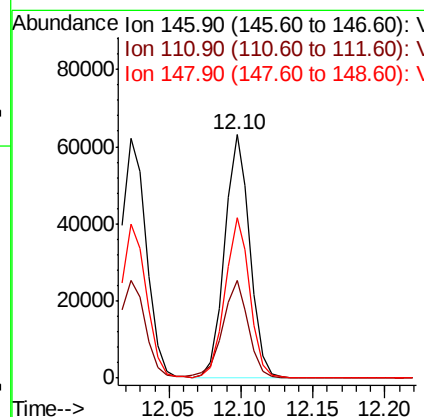
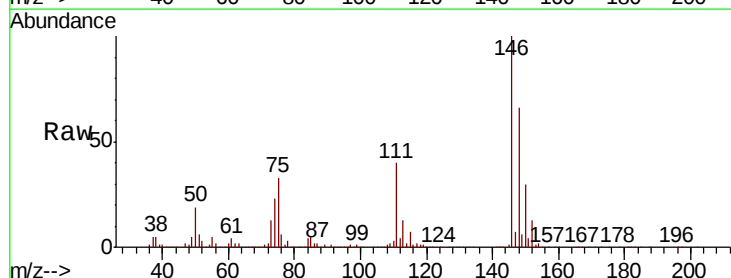
Manual Integrations
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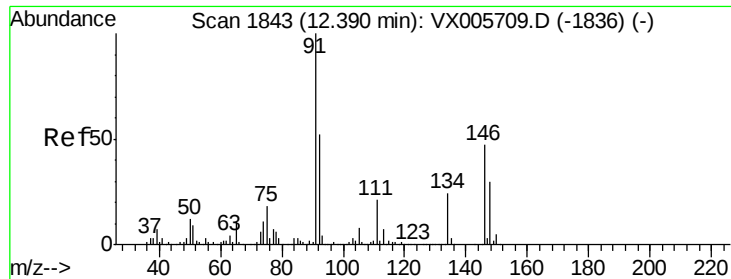
MMDadoda
 11/7/2018 11:02:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.901 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	18.6	55.8
148	65.0	32.1	96.3





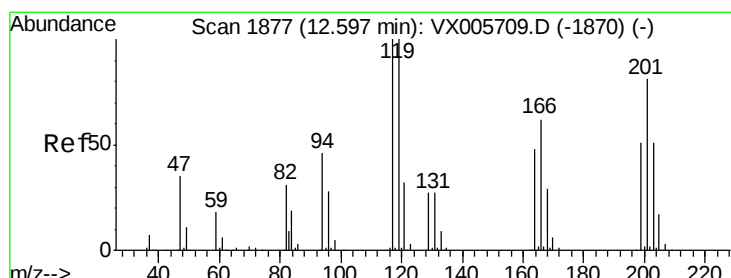
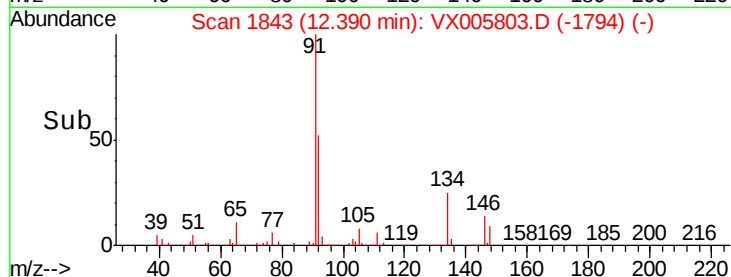
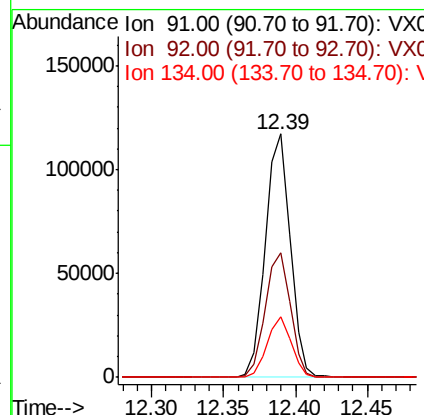
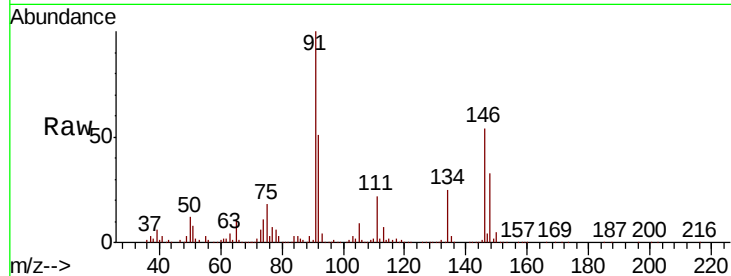
#89
n-Butylbenzene
Concen: 18.501 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	24.4	13.1	39.3

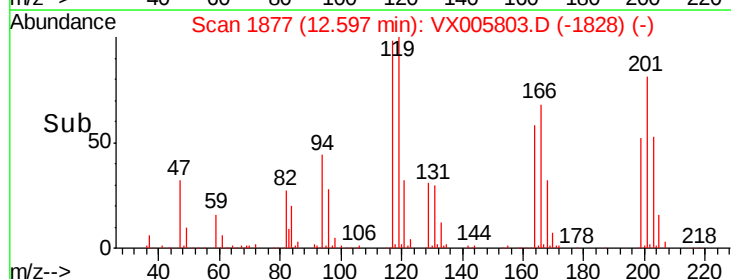
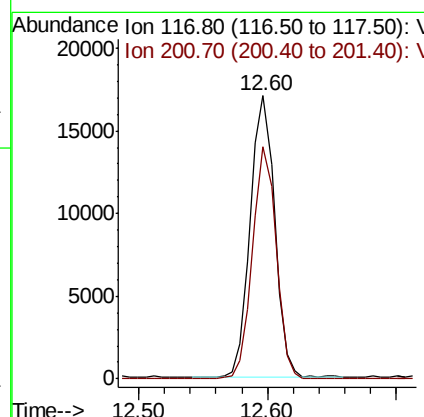
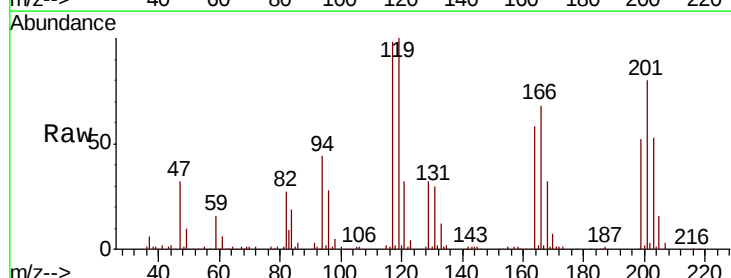
Manual Integrations
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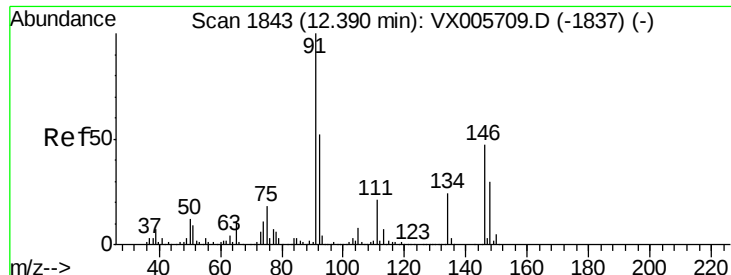
MMDadoda
11/7/2018 11:02:37 AM



#90
Hexachloroethane
Concen: 16.841 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	47.9	143.6





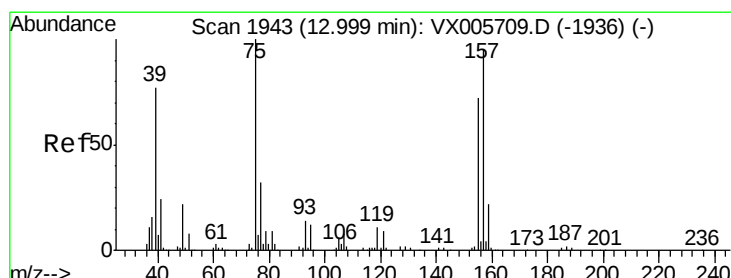
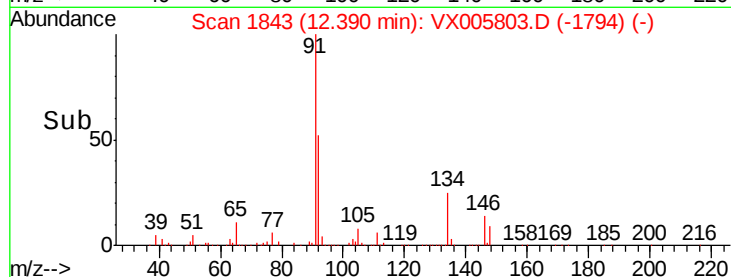
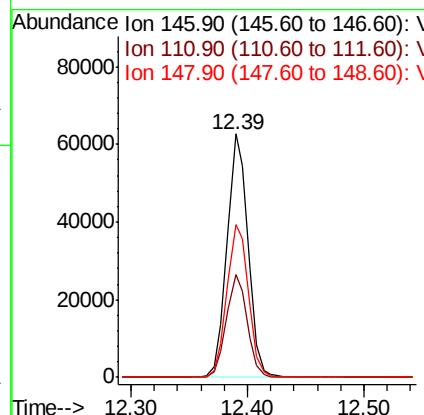
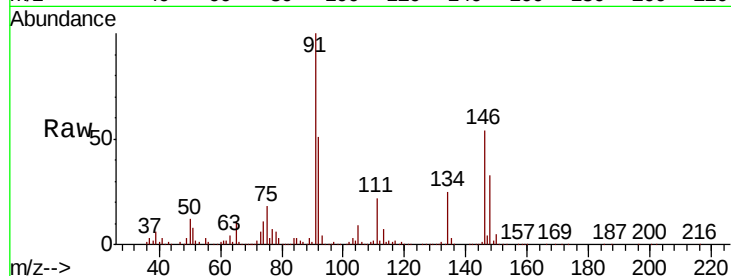
#91
 1,2-Dichlorobenzene
 Concen: 18.461 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.0	59.9
148	64.0	32.2	96.6

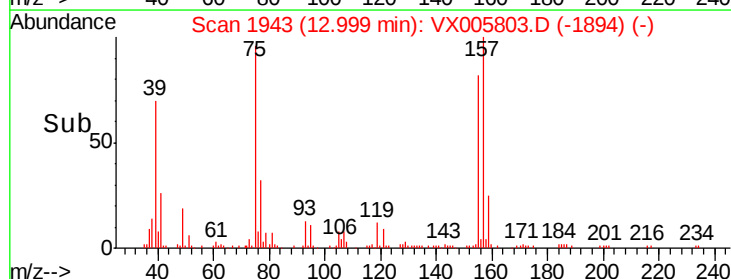
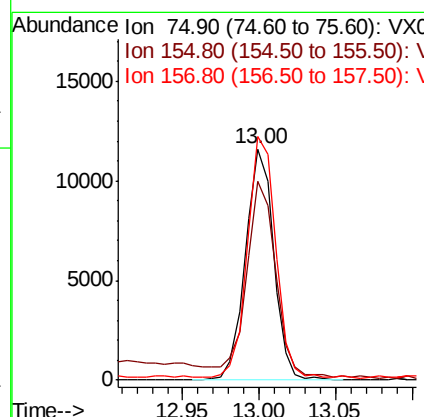
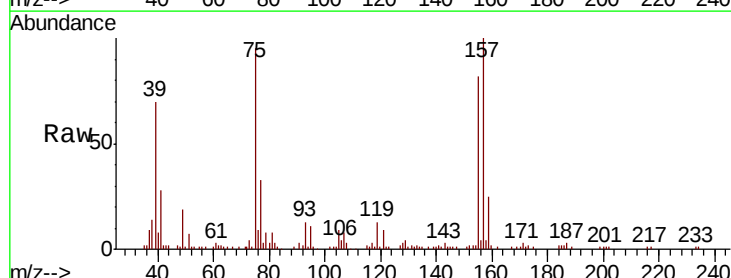
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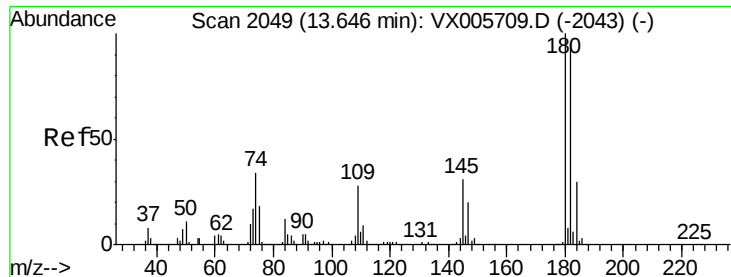
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.142 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	45.4	136.1
157	103.2	57.4	172.0





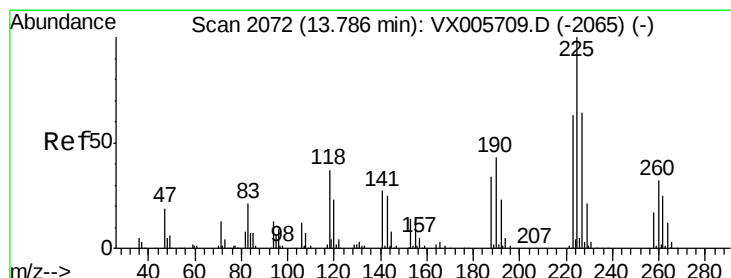
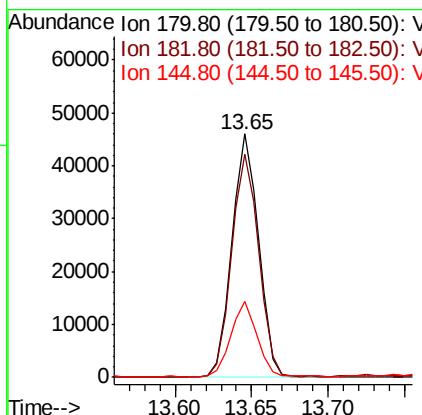
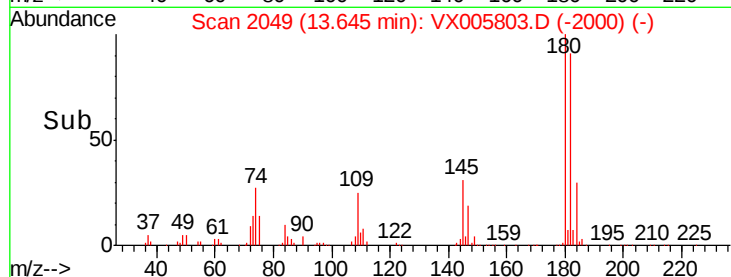
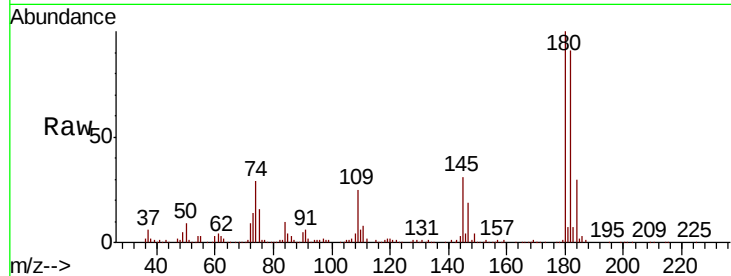
#93
 1,2,4-Trichlorobenzene
 Concen: 20.577 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55598		
182	93.1		47.6	142.8
145	29.8		14.1	42.2

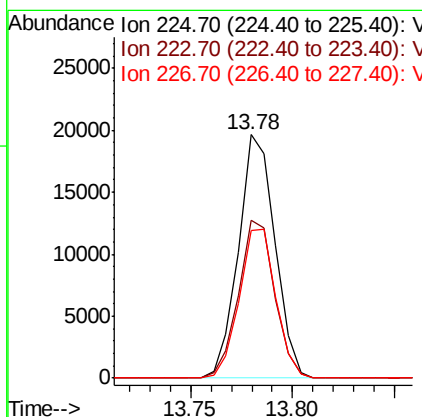
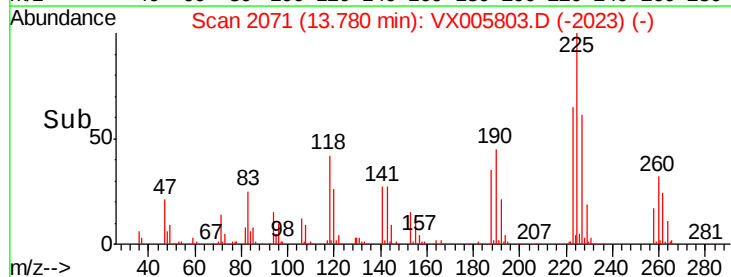
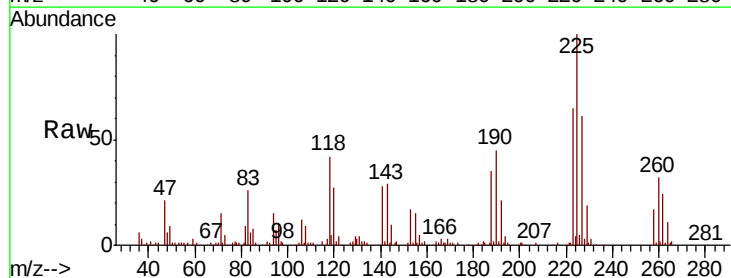
Manual Integrations
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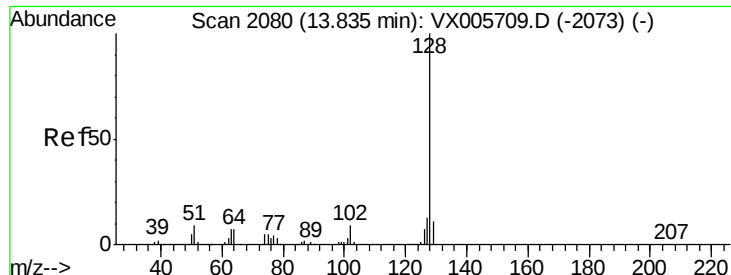
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 11/7/2018 11:02:37 AM



#94
 Hexachlorobutadiene
 Concen: 18.619 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005803.D
 Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24337		
223	64.6		31.7	95.1
227	61.6		32.3	96.9





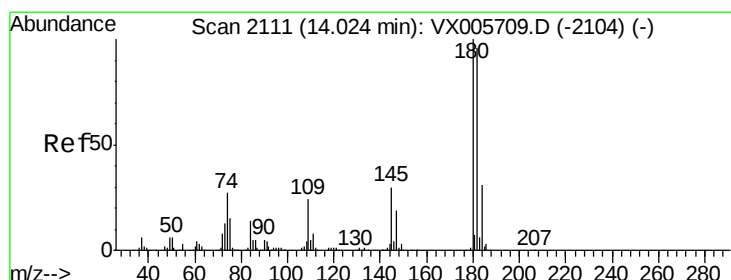
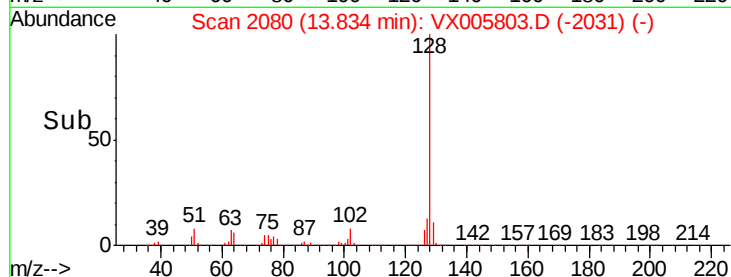
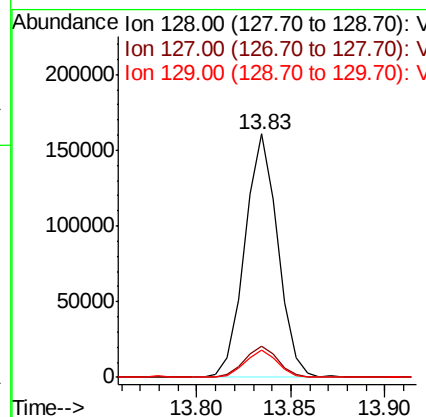
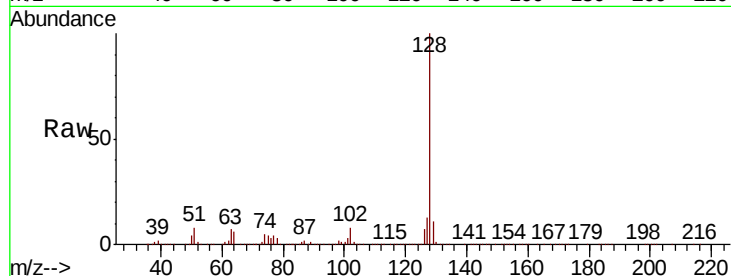
#95
Naphthalene
Concen: 21.696 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1106WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.3	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.334 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005803.D
Acq: 06 Nov 2018 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.2
145	31.6	15.1	45.3

