

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010951.D
 Acq On : 18 Jul 2019 12:16
 Operator : JC/SP
 Sample : VX0718MBS01
 Misc : 5.0µl/10mL/100µL/5mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 12:03:29 PM

Quant Time: Jul 18 14:13:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 12:41:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	215530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115606	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	5.50	113	103410	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	8.71	98	394115	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.13	95	143249	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45878	20.291	ug/l	100
3) Chloromethane	1.33	50	41143	20.758	ug/l	97
4) Vinyl Chloride	1.41	62	42731	21.137	ug/l	98
5) Bromomethane	1.64	94	26859	23.576	ug/l	100
6) Chloroethane	1.72	64	27569	21.459	ug/l	100
7) Trichlorofluoromethane	1.93	101	71674	20.944	ug/l	99
8) Diethyl Ether	2.19	74	23355	19.808	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39896	20.418	ug/l	96
10) Methyl Iodide	2.51	142	48820	19.040	ug/l	97
11) Tert butyl alcohol	3.04	59	52700	98.690	ug/l	99
12) 1,1-Dichloroethene	2.37	96	39575	20.614	ug/l	94
13) Acrolein	2.29	56	22723	73.650	ug/l	100
14) Allyl chloride	2.73	41	55154	19.779	ug/l	96
15) Acrylonitrile	3.14	53	108650	100.691	ug/l	100
16) Acetone	2.45	43	97658	94.302	ug/l	95
17) Carbon Disulfide	2.57	76	95091	19.310	ug/l	99
18) Methyl Acetate	2.78	43	45741	19.398	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	123842	20.039	ug/l	99
20) Methylene Chloride	2.85	84	43560	19.848	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	41217	20.234	ug/l	95
22) Diisopropyl ether	3.85	45	117844	20.037	ug/l	98
23) Vinyl Acetate	3.82	43	511900	102.726	ug/l	99
24) 1,1-Dichloroethane	3.70	63	68102	19.939	ug/l	100
25) 2-Butanone	4.67	43	149060	100.285	ug/l	97
26) 2,2-Dichloropropane	4.59	77	53370	19.030	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	47157	20.003	ug/l	97
28) Bromochloromethane	5.01	49	27050	16.806	ug/l	91
29) Tetrahydrofuran	5.13	42	95143	101.048	ug/l	98
30) Chloroform	5.21	83	72343	19.595	ug/l	96
31) Cyclohexane	5.58	56	61031	19.604	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	63669	19.934	ug/l	99
36) 1,1-Dichloropropene	5.80	75	52579	19.727	ug/l	98
37) Ethyl Acetate	4.83	43	55333	20.274	ug/l	99
38) Carbon Tetrachloride	5.79	117	53853	19.389	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67593	19.555	ug/l	96
40) Benzene	6.14	78	163349	20.007	ug/l	99
41) Methacrylonitrile	5.04	41	29309	18.917	ug/l	98
42) 1,2-Dichloroethane	6.19	62	55854	19.675	ug/l	97
43) Isopropyl Acetate	6.45	43	87502	19.498	ug/l	98
44) Trichloroethene	7.21	130	47666	19.723	ug/l	98
45) 1,2-Dichloropropane	7.51	63	40415	19.448	ug/l	99
46) Dibromomethane	7.66	93	30681	20.662	ug/l	95
47) Bromodichloromethane	7.90	83	52317	19.793	ug/l	98
48) Methyl methacrylate	7.77	41	42834	19.593	ug/l	97
49) 1,4-Dioxane	7.74	88	23663	386.945	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	293938	101.040	ug/l	97
52) Toluene	8.78	92	106108	19.783	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54588	19.206	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	62628	19.803	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	43233	19.576	ug/l	98
56) Ethyl methacrylate	9.18	69	64510	19.970	ug/l	95
57) 1,3-Dichloropropane	9.37	76	69925	19.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	149723	97.092	ug/l	100
59) 2-Hexanone	9.49	43	230084	101.971	ug/l	96
60) Dibromochloromethane	9.58	129	44749	19.244	ug/l	98
61) 1,2-Dibromoethane	9.67	107	46257	19.737	ug/l	99
64) Tetrachloroethene	9.34	164	46361	19.797	ug/l	97
65) Chlorobenzene	10.13	112	120488	19.706	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	42534	19.793	ug/l	100
67) Ethyl Benzene	10.25	91	206639	19.855	ug/l	98
68) m/p-Xylenes	10.36	106	159381	39.924	ug/l	97
69) o-Xylene	10.69	106	76791	19.710	ug/l	97
70) Styrene	10.71	104	129404	19.924	ug/l	97
71) Bromoform	10.85	173	32523	18.324	ug/l #	100
73) Isopropylbenzene	11.02	105	207865	20.250	ug/l	98
74) N-amyl acetate	10.90	43	78822	20.096	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	68468	20.382	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	63083m	22.395	ug/l	
77) Bromobenzene	11.26	156	56050	19.796	ug/l	97
78) n-propylbenzene	11.36	91	229287	20.216	ug/l	98
79) 2-Chlorotoluene	11.42	91	136781	20.075	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	173842	20.267	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	17659	19.001	ug/l #	84
82) 4-Chlorotoluene	11.51	91	158056	19.931	ug/l	100
83) tert-Butylbenzene	11.77	119	170512	20.238	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	175131	20.258	ug/l	99
85) sec-Butylbenzene	11.94	105	204075	20.672	ug/l	99
86) p-Isopropyltoluene	12.06	119	185348	20.308	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	97881	19.920	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	99218	19.678	ug/l	99
89) n-Butylbenzene	12.38	91	156896	20.094	ug/l	98
90) Hexachloroethane	12.60	117	26623	18.494	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	100117	20.558	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14170	20.180	ug/l	87

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VX0718MBS01

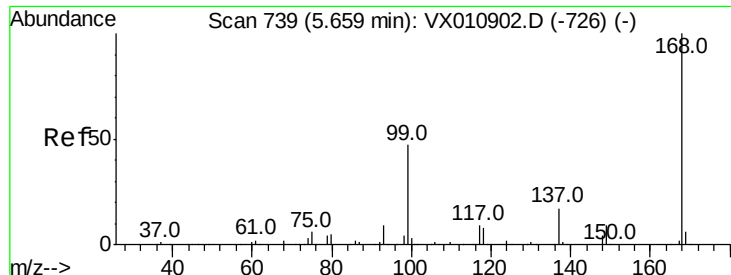
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	66615	20.184	ug/l	100
94) Hexachlorobutadiene	13.78	225	32664	19.972	ug/l	99
95) Naphthalene	13.83	128	201912	20.718	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	68033	20.718	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion:168 Resp: 21530

Ion Ratio Lower Upper

168 100

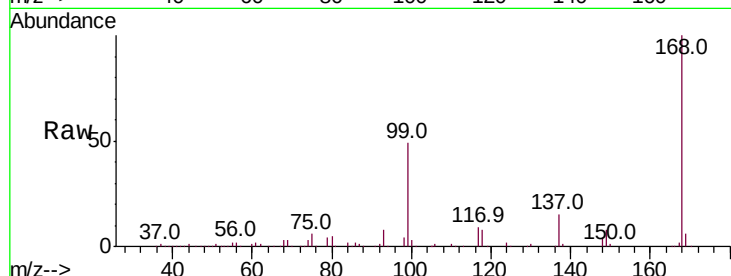
99 49.3 35.5 53.3

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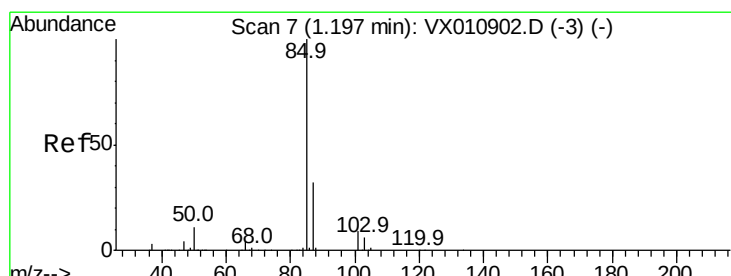
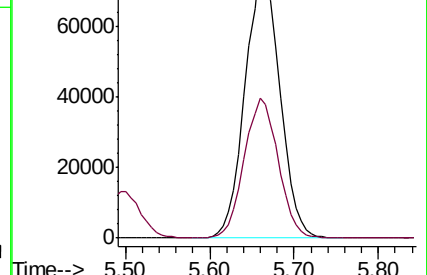
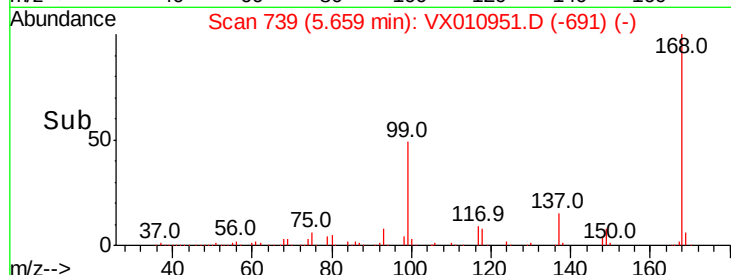


Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 20.291 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010951.D

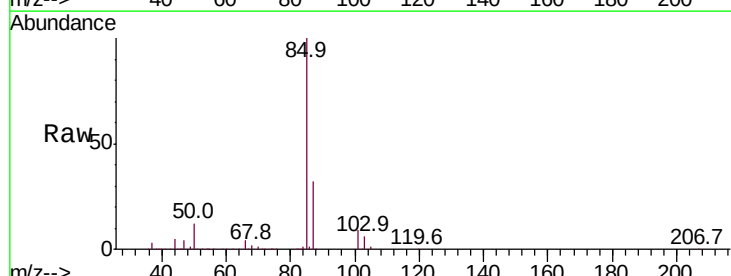
Acq: 18 Jul 2019 12:16

Tgt Ion: 85 Resp: 45878

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8

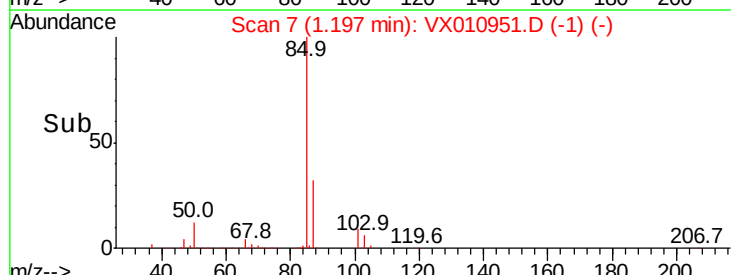


Abundance Ion 84.90 (84.60 to 85.60): VX0

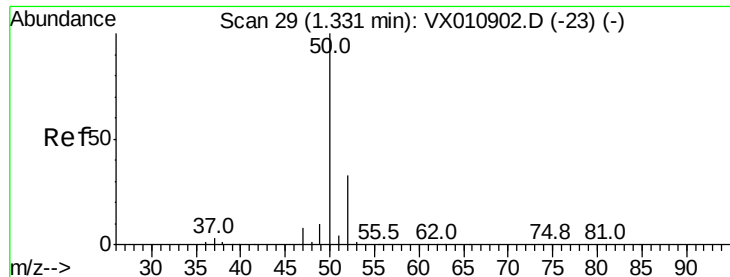
Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->



Time-->



#3

Chloromethane

Concen: 20.758 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion: 50 Resp: 41143

Ion Ratio Lower Upper

50 100

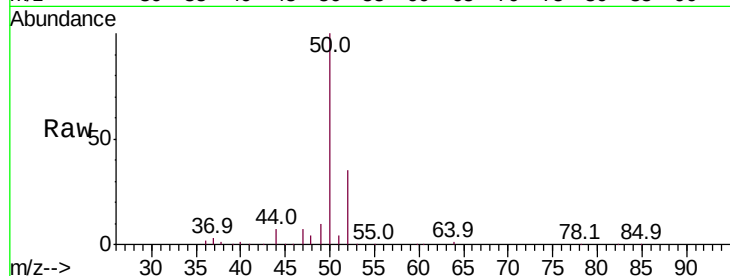
52 34.8 26.5 39.7

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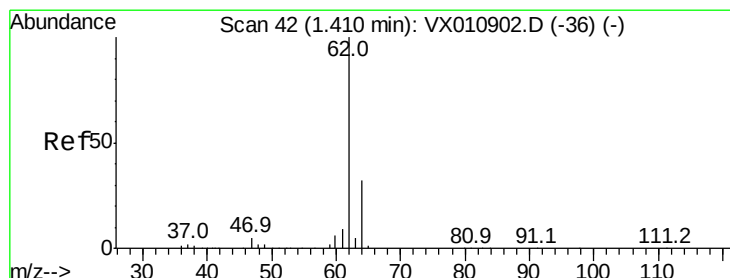
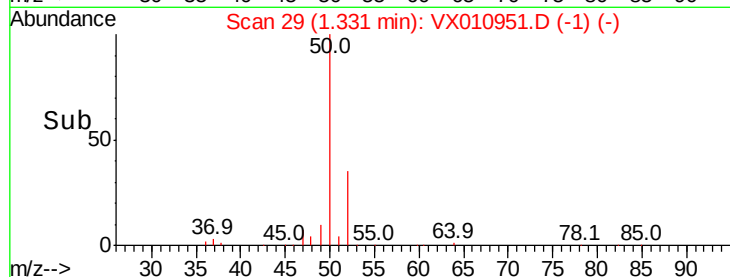
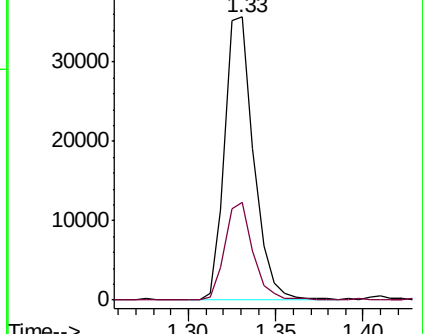
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.137 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010951.D

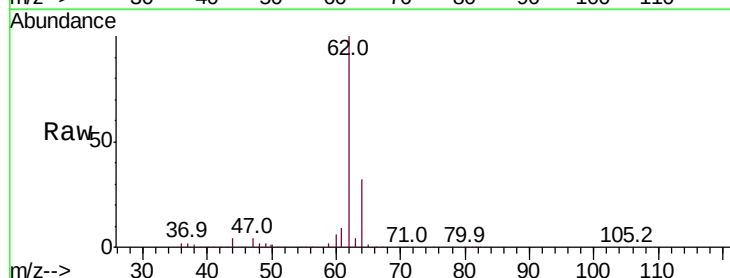
Acq: 18 Jul 2019 12:16

Tgt Ion: 62 Resp: 42731

Ion Ratio Lower Upper

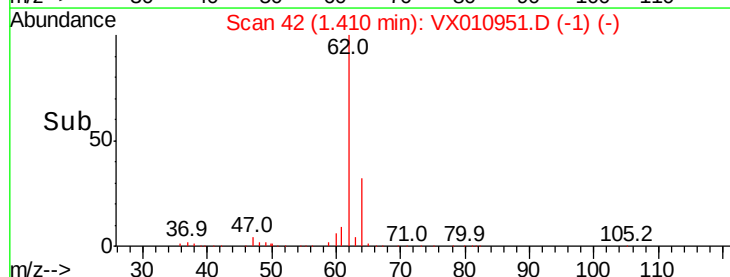
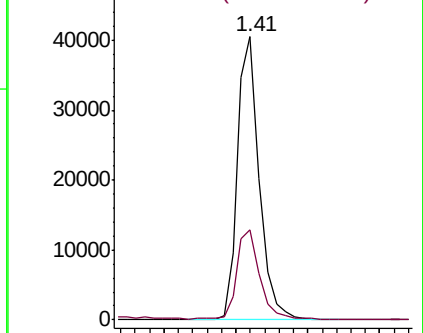
62 100

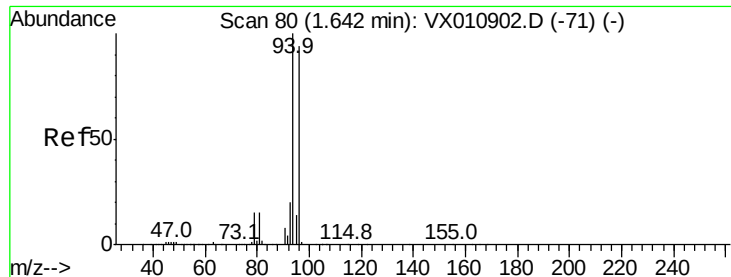
64 31.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.576 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion: 94 Resp: 26859

Ion Ratio Lower Upper

94 100

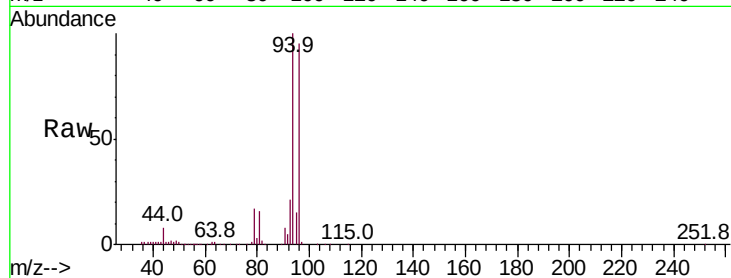
96 94.8 75.5 113.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

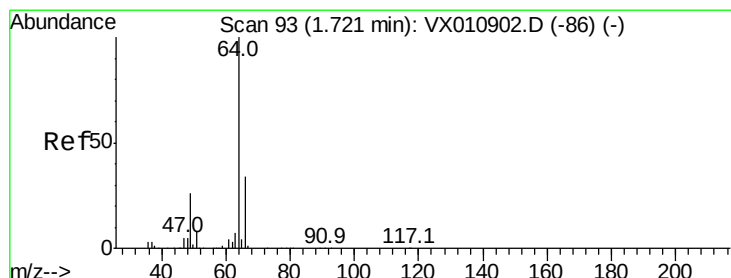
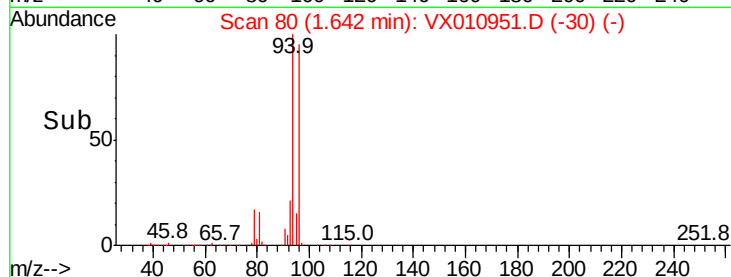
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 21.459 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010951.D

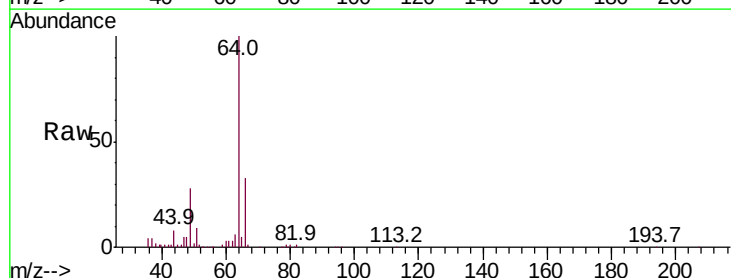
Acq: 18 Jul 2019 12:16

Tgt Ion: 64 Resp: 27569

Ion Ratio Lower Upper

64 100

66 33.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

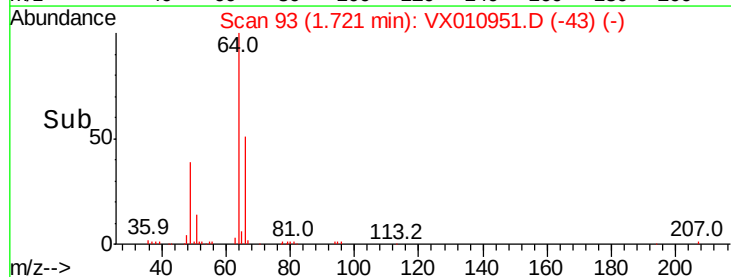
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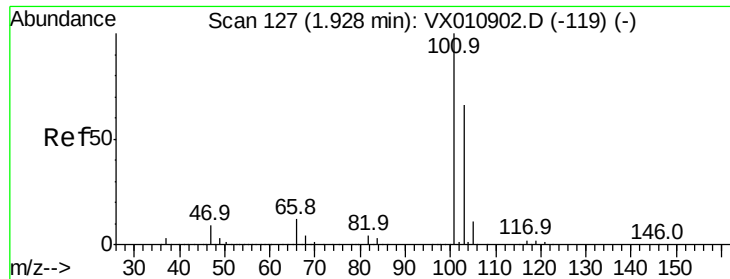
10000

5000

0

Time-->





#7

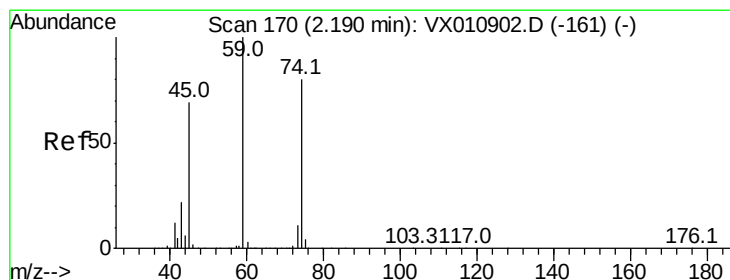
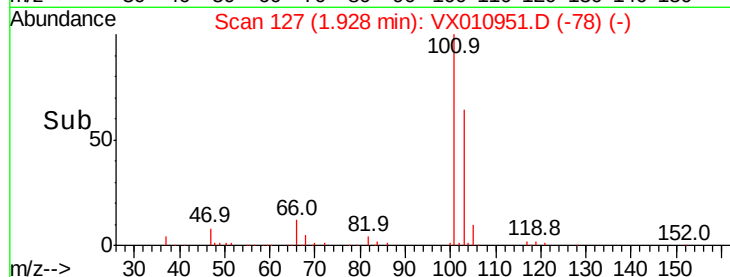
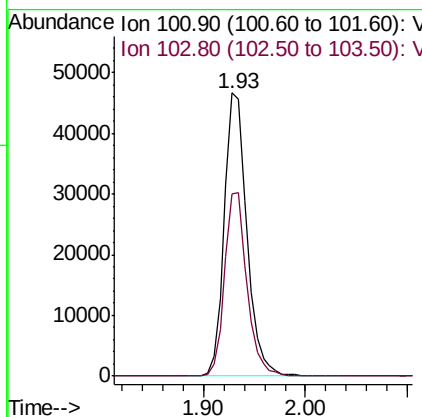
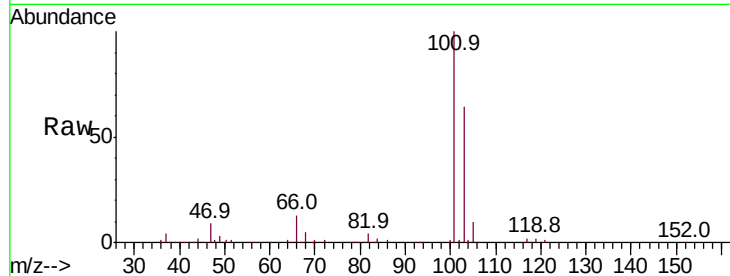
Trichlorofluoromethane
 Concen: 20.944 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
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 ClientSampleId :
 VX0718MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.3	78.5

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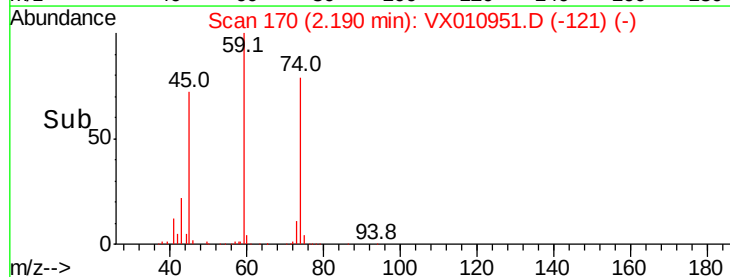
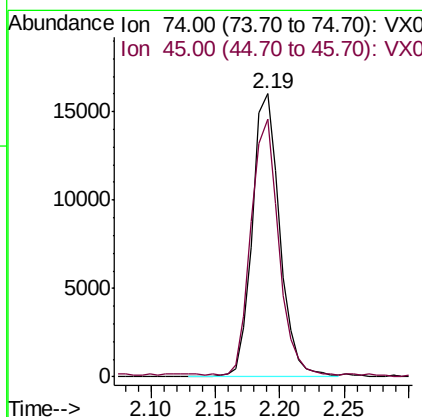
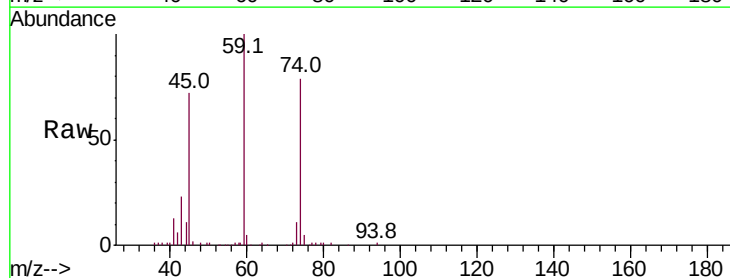
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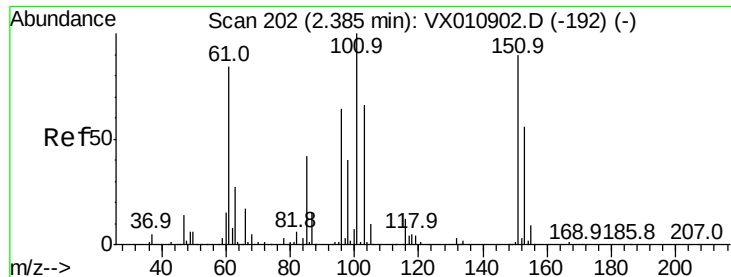


#8

Diethyl Ether
 Concen: 19.808 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.418 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion:101 Resp: 39896

Ion Ratio Lower Upper

101 100

85 43.6 33.7 50.5

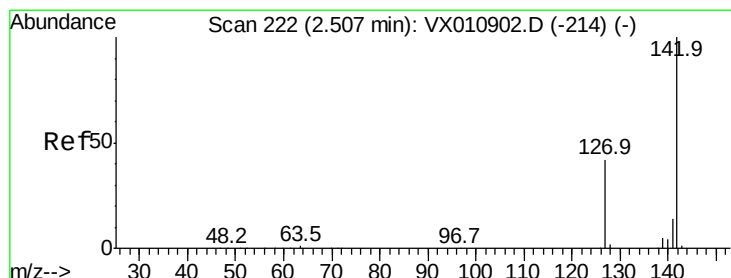
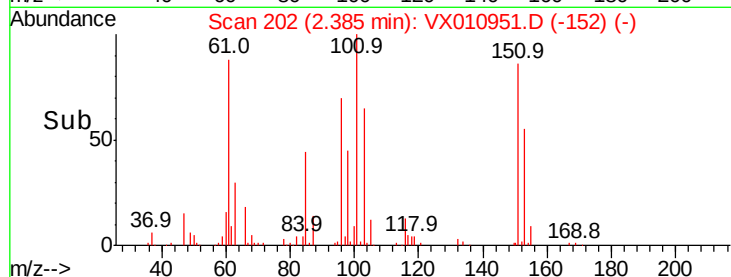
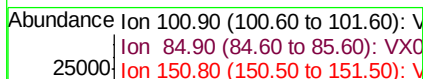
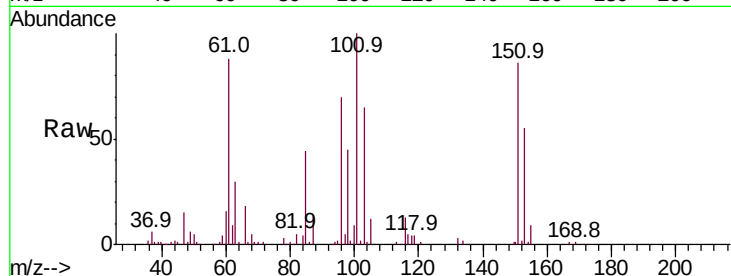
151 83.6 70.1 105.1

Manual Integrations

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#10

Methyl Iodide

Concen: 19.040 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

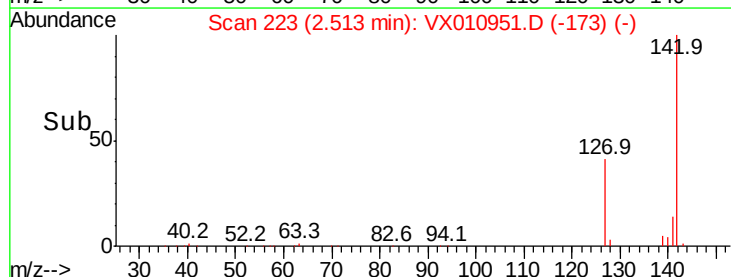
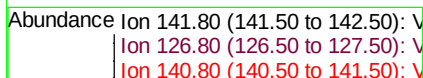
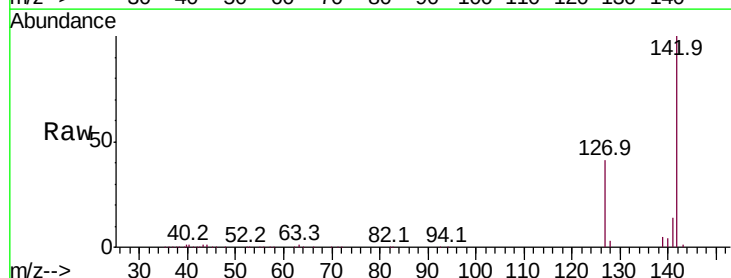
Tgt Ion:142 Resp: 48820

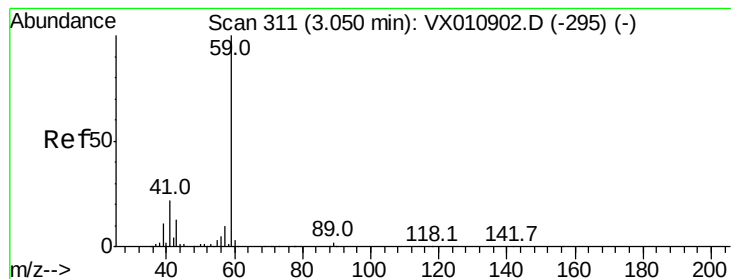
Ion Ratio Lower Upper

142 100

127 40.8 31.1 46.7

141 15.0 11.2 16.8





#11

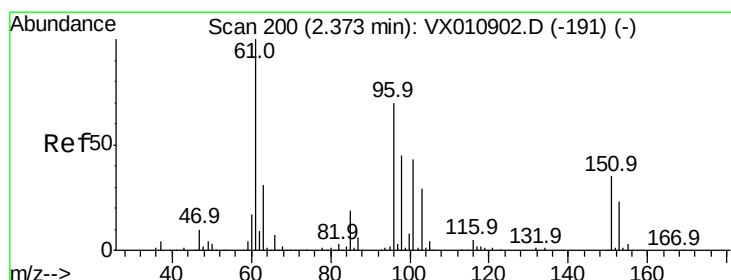
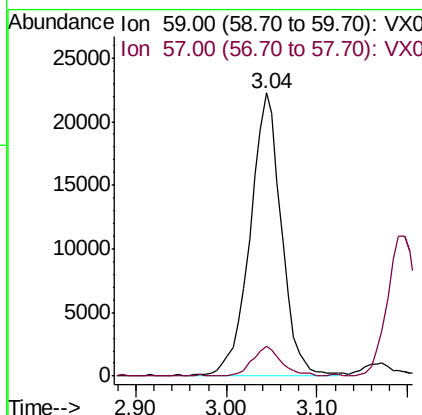
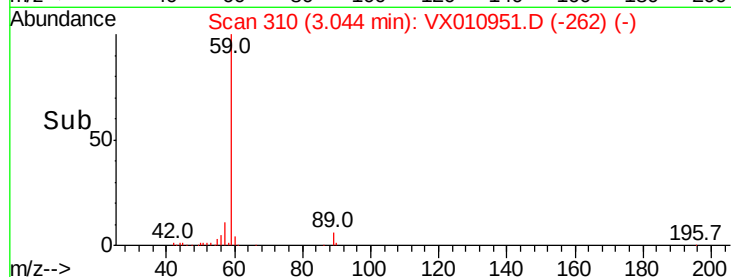
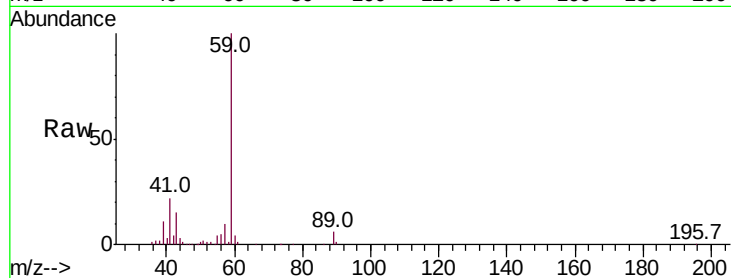
Tert butyl alcohol
Concen: 98.690 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion: 59 Resp: 52700
Ion Ratio Lower Upper
59 100
57 10.0 7.7 11.5

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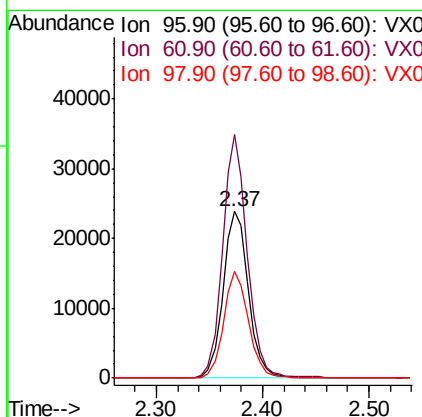
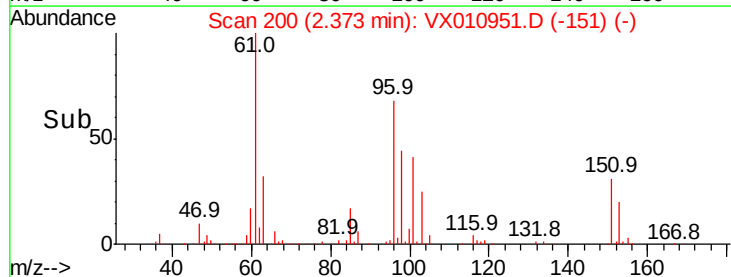
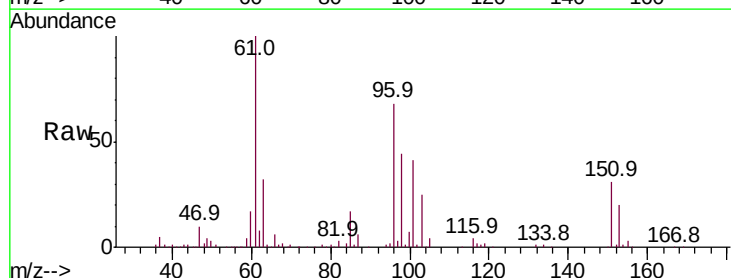
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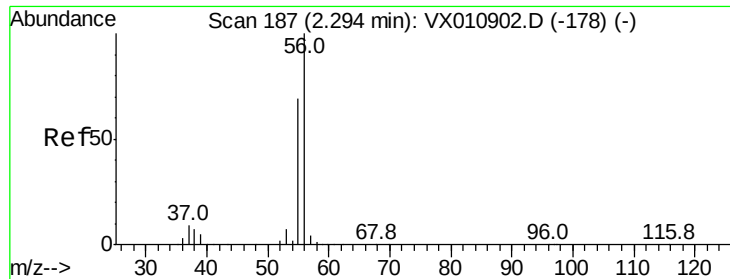


#12

1,1-Dichloroethene
Concen: 20.614 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion: 96 Resp: 39575
Ion Ratio Lower Upper
96 100
61 146.1 109.2 163.8
98 64.0 51.1 76.7





#13

Acrolein

Concen: 73.650 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion: 56 Resp: 22723

Ion Ratio Lower Upper

56 100

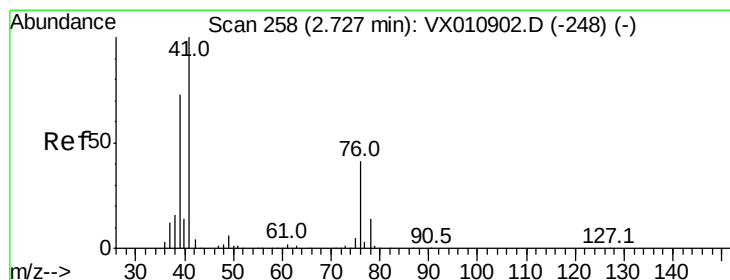
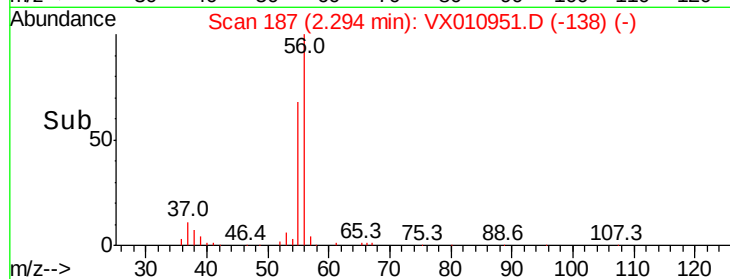
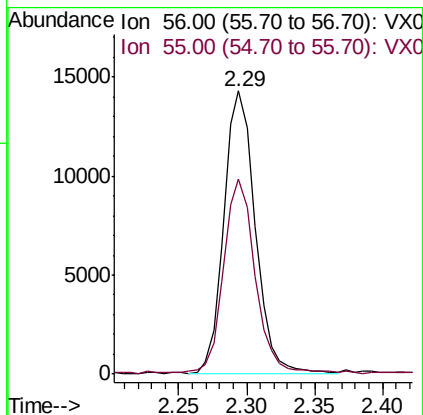
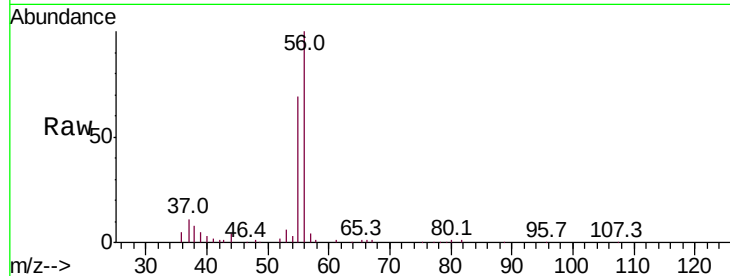
55 71.5 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 19.779 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

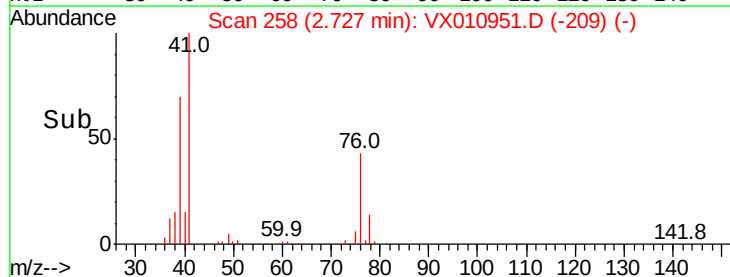
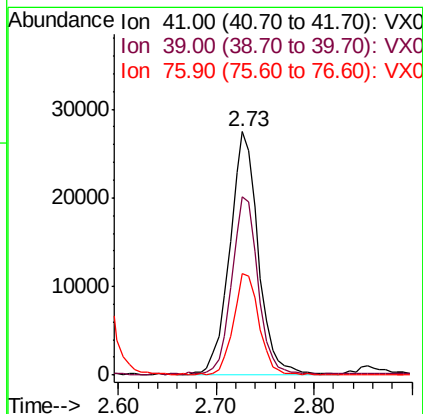
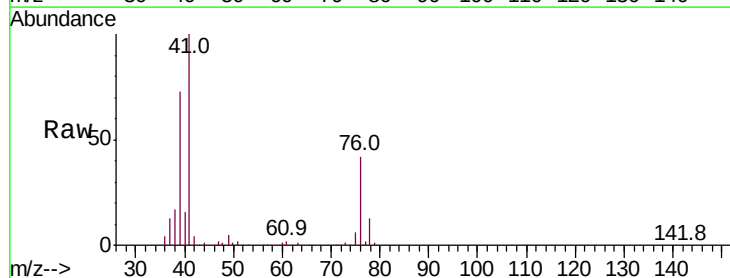
Tgt Ion: 41 Resp: 55154

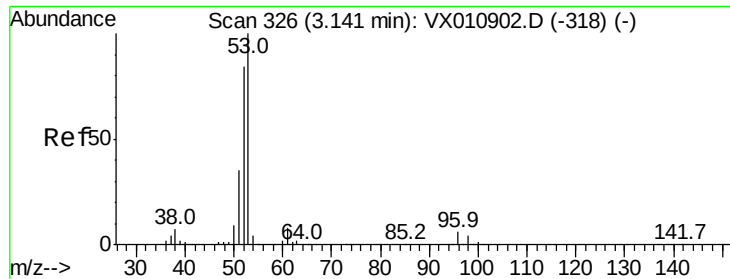
Ion Ratio Lower Upper

41 100

39 67.0 50.3 75.5

76 38.0 31.3 46.9





#15

Acrylonitrile

Concen: 100.691 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

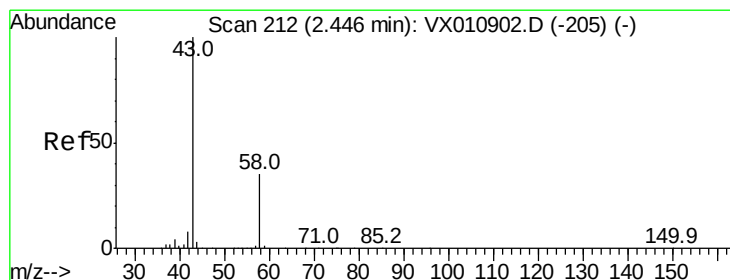
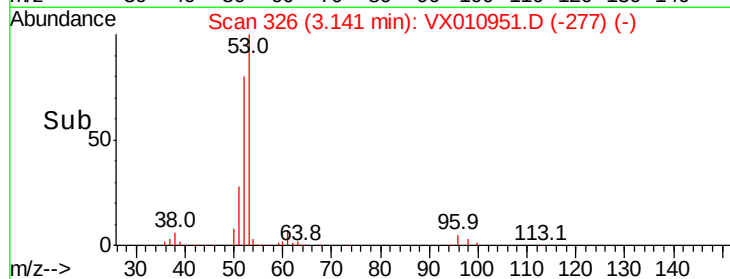
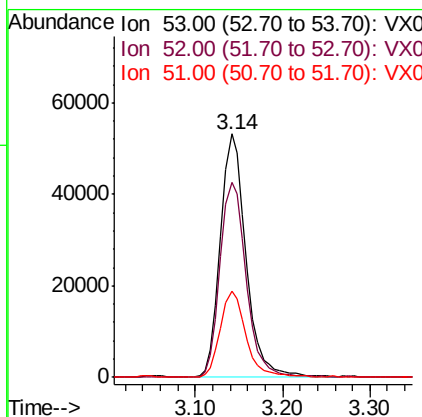
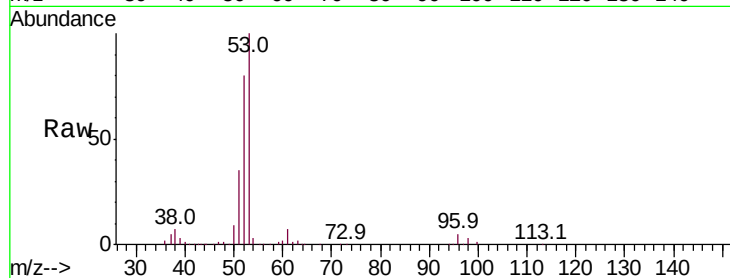
ClientSampled :

VX0718MBS01

Tot Ion	53	Resp	108650
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.5	98.3
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 94.302 ug/l

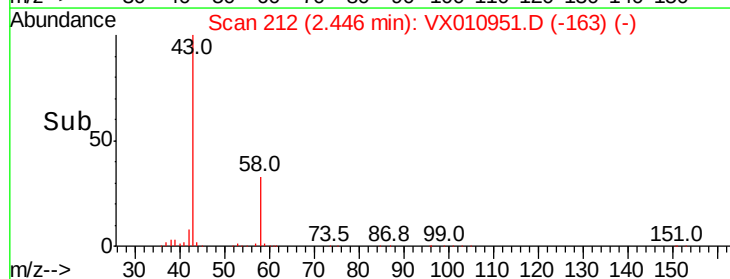
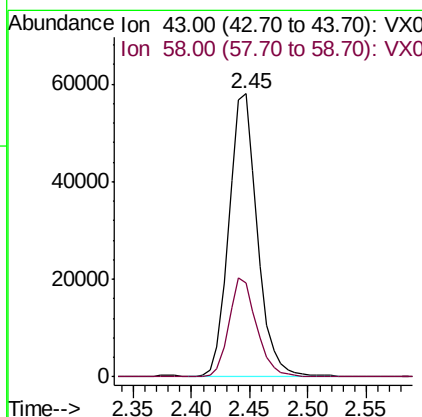
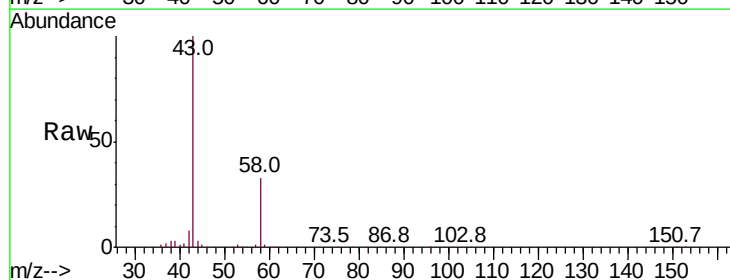
RT: 2.45 min Scan# 212

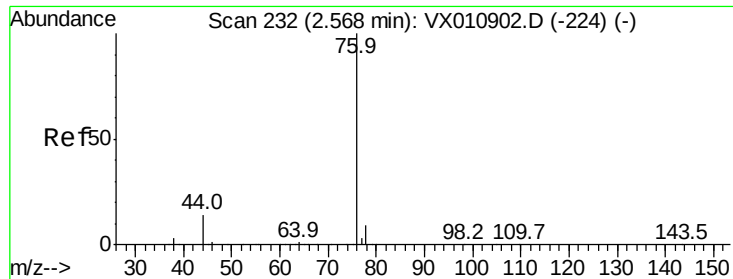
Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Tgt Ion	43	Resp	97658
Ion Ratio	Lower	Upper	
43	100		
58	33.0	28.9	43.3





#17

Carbon Disulfide

Concen: 19.310 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion: 76 Resp: 95091

Ion Ratio Lower Upper

76 100

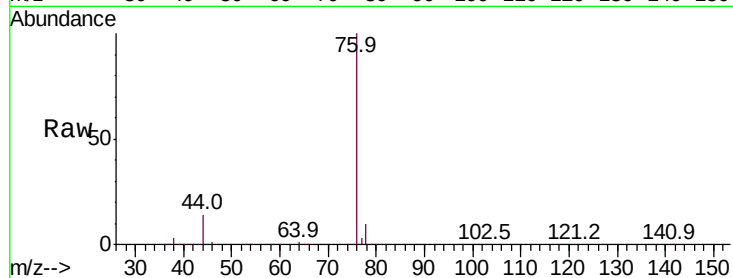
78 9.6 7.3 10.9

Manual Integrations

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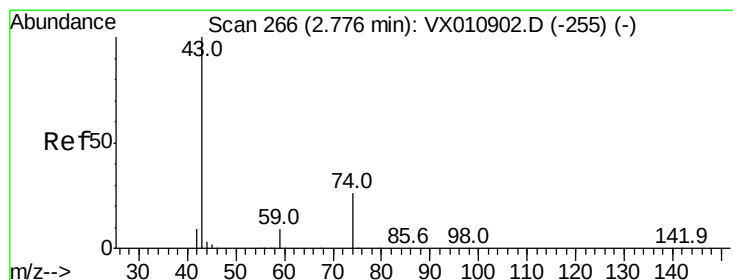
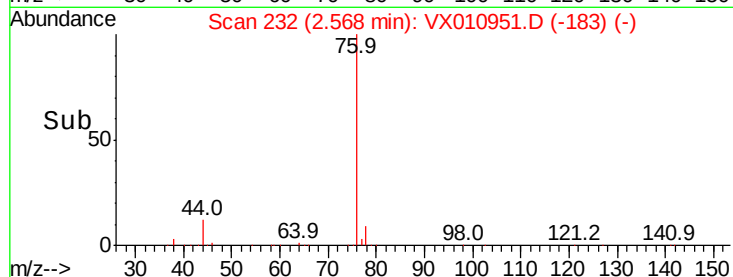
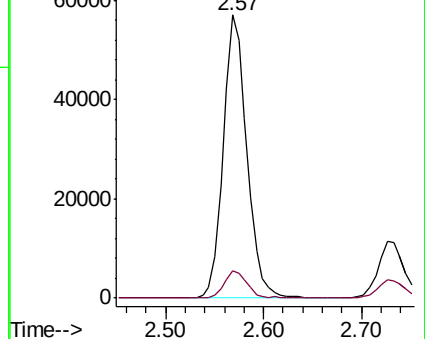
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.398 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010951.D

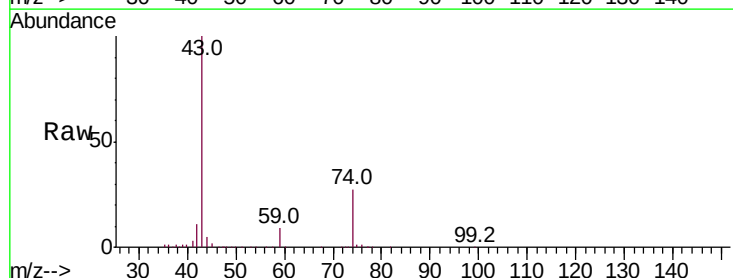
Acq: 18 Jul 2019 12:16

Tgt Ion: 43 Resp: 45741

Ion Ratio Lower Upper

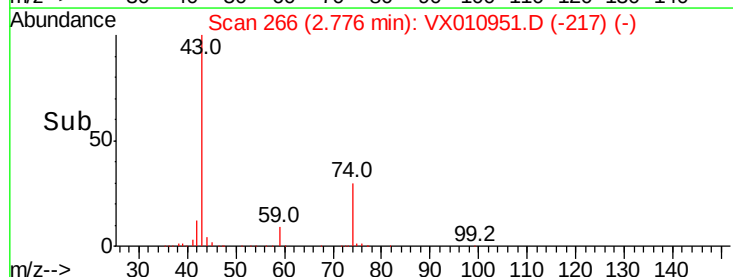
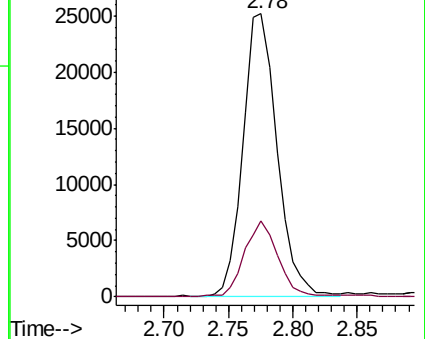
43 100

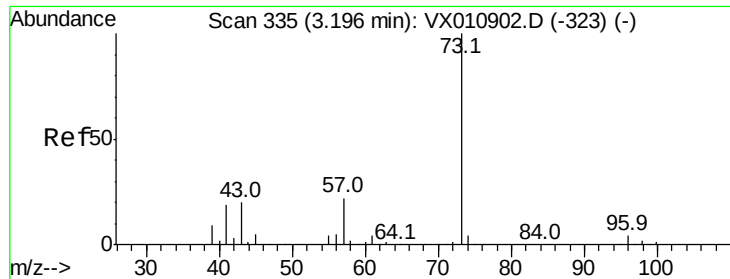
74 27.0 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





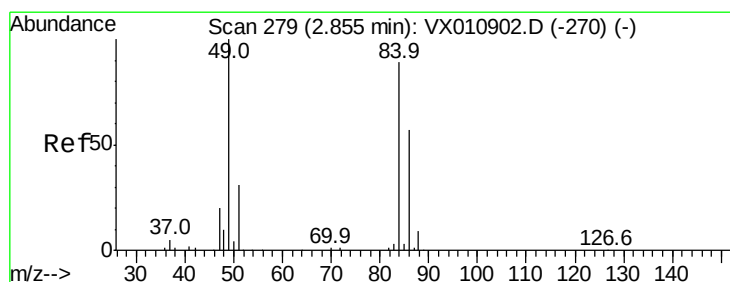
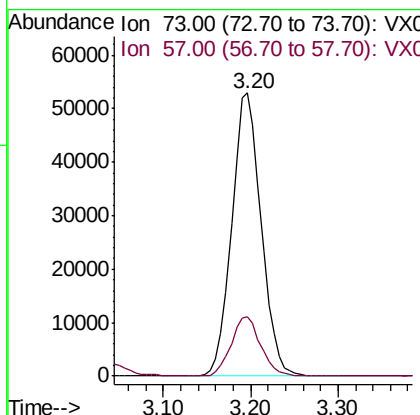
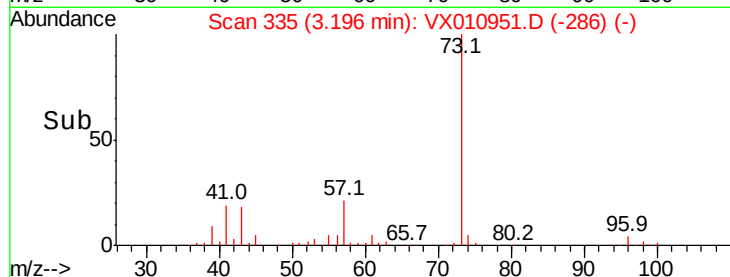
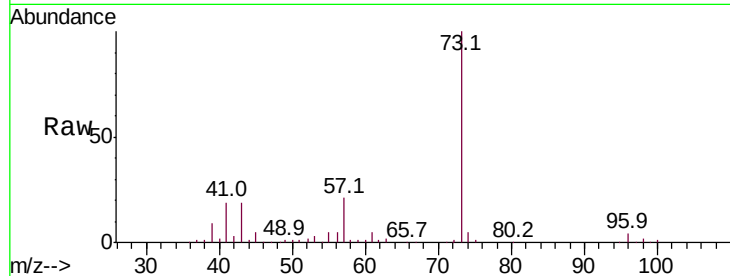
#19
Methyl tert-butyl Ether
Concen: 20.039 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.4	24.6

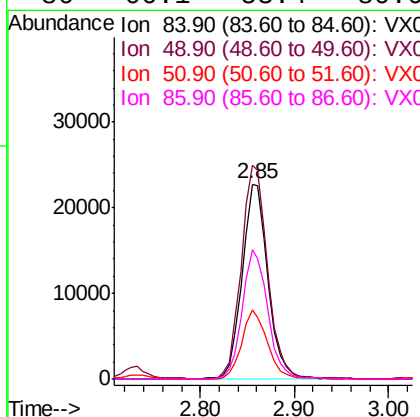
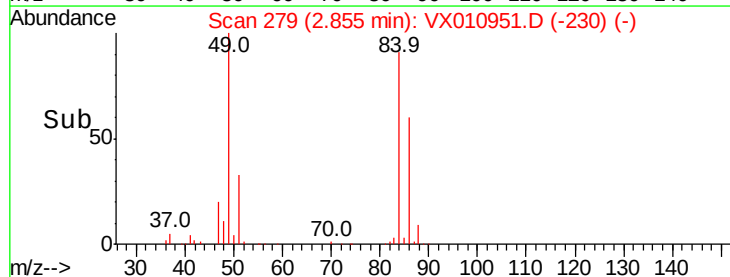
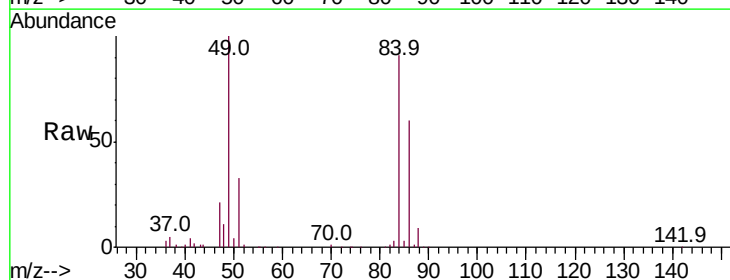
Manual Integrations
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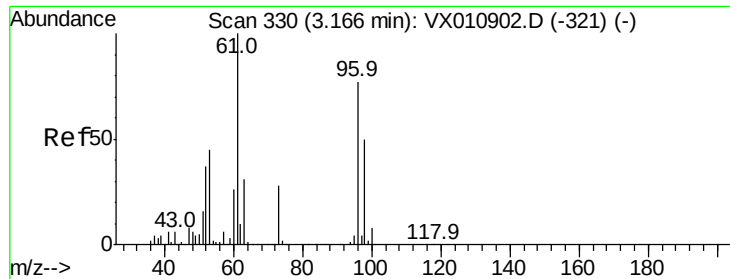
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#20
Methylene Chloride
Concen: 19.848 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.2	87.5	131.3
51	35.6	27.7	41.5
86	66.1	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 20.234 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion: 96 Resp: 41217

Ion Ratio Lower Upper

96 100

61 125.3 95.6 143.4

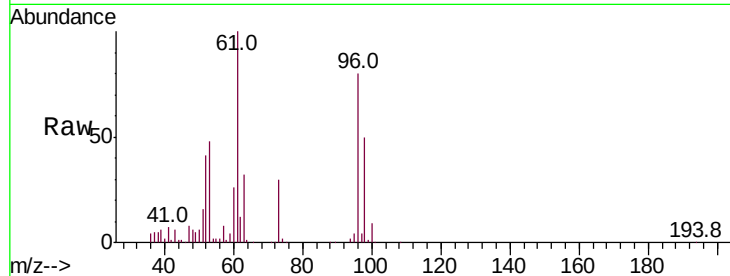
98 62.1 52.5 78.7

Manual Integrations

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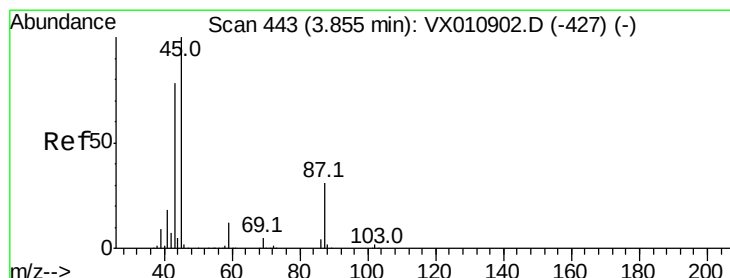
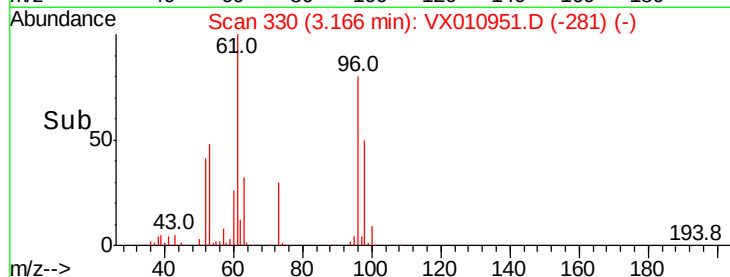
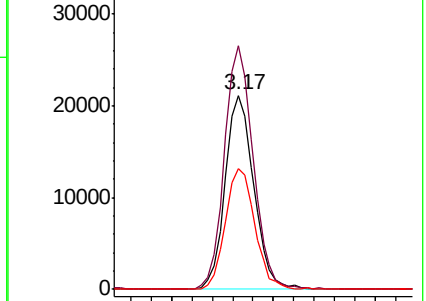
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.037 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Tgt Ion: 45 Resp: 117844

Ion Ratio Lower Upper

45 100

43 81.3 63.3 94.9

87 31.9 25.8 38.8

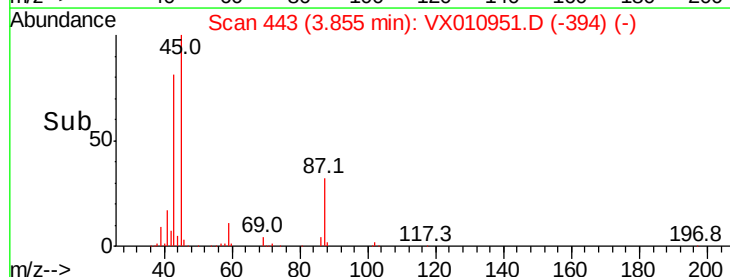
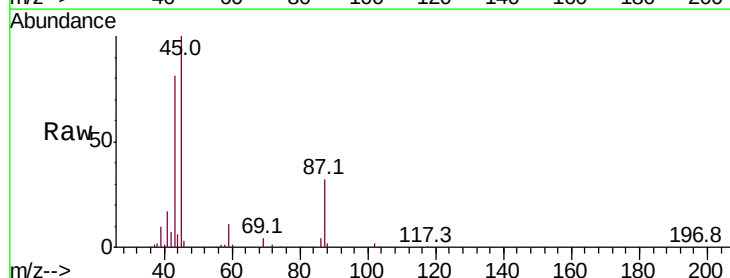
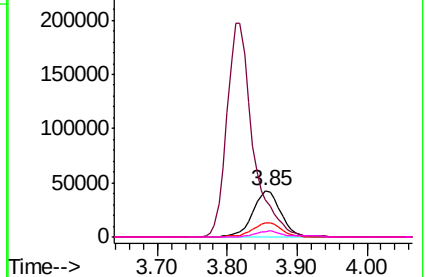
59 11.4 9.6 14.4

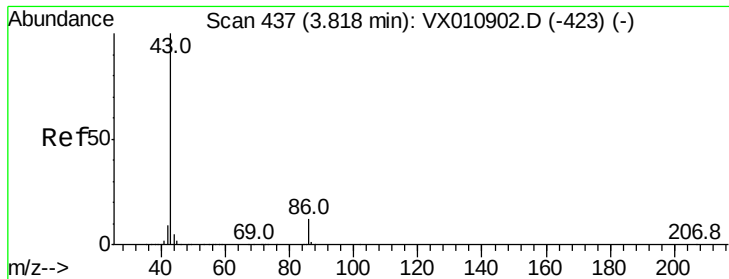
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 102.726 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VX0718MBS01

Tot Ion: 43 Resp: 511900

Ion Ratio Lower Upper

43 100

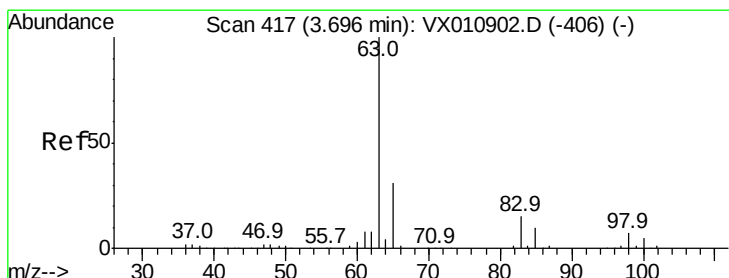
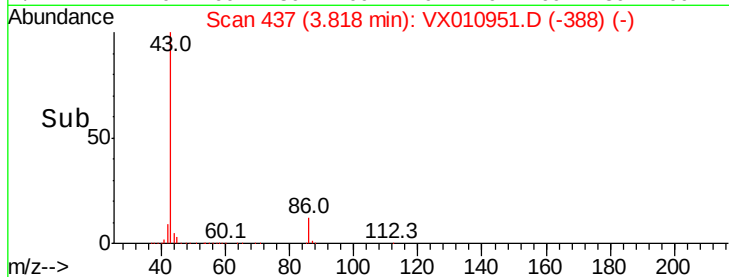
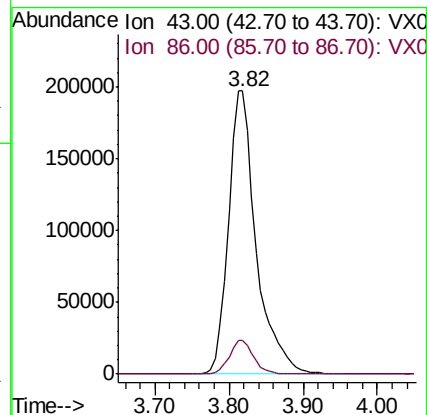
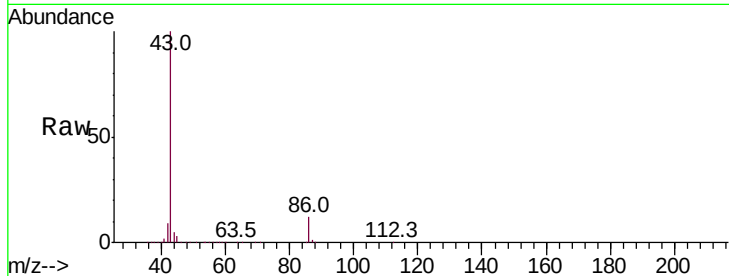
86 12.0 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.939 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

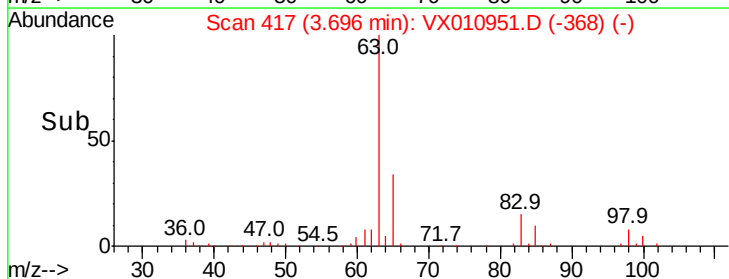
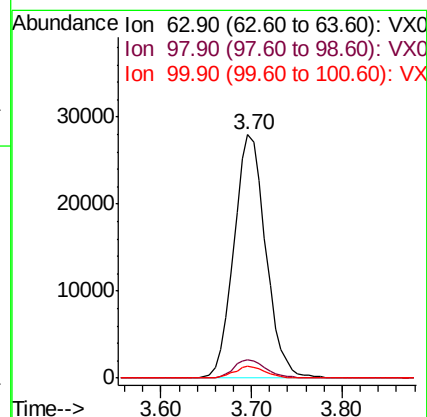
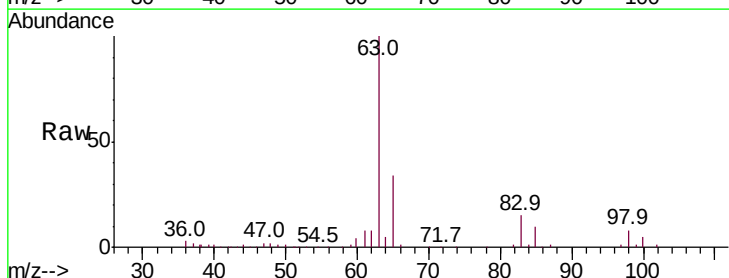
Tgt Ion: 63 Resp: 68102

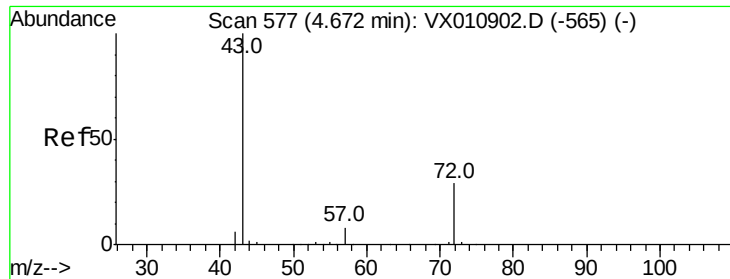
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 100.285 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion: 43 Resp: 149060

Ion Ratio Lower Upper

43 100

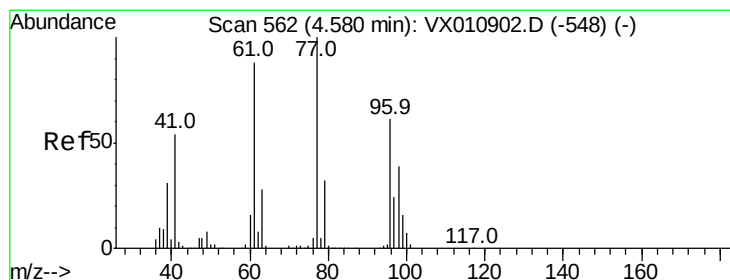
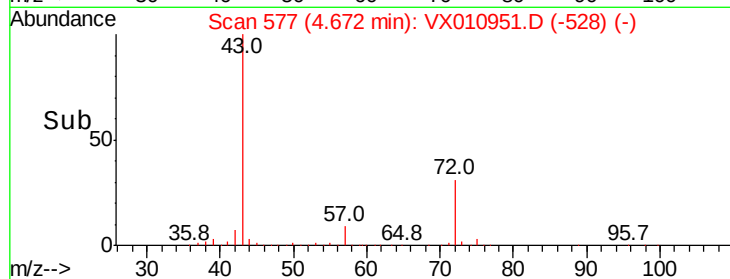
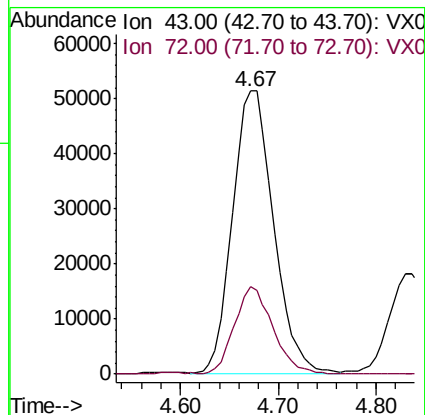
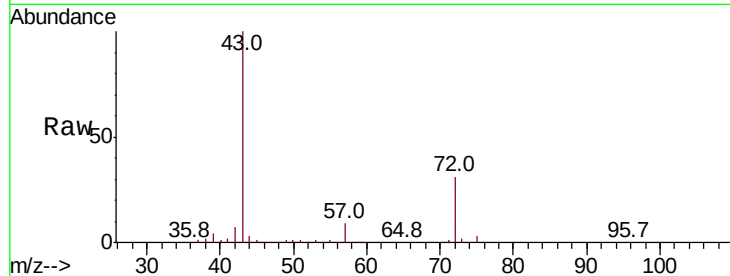
72 30.6 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.030 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010951.D

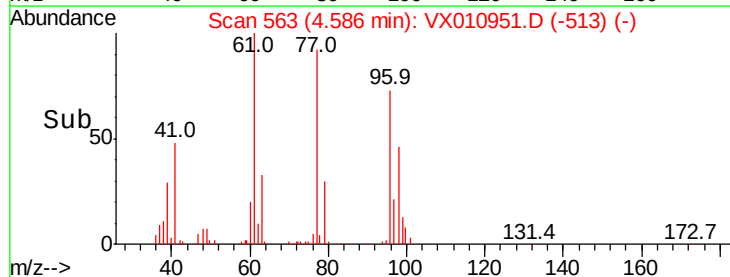
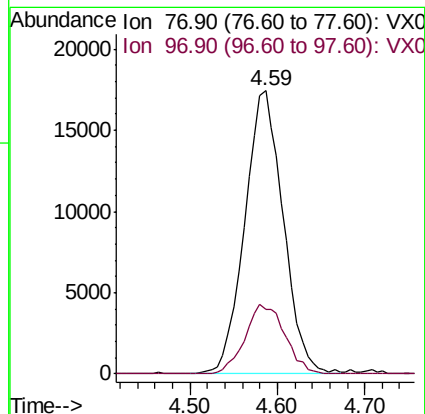
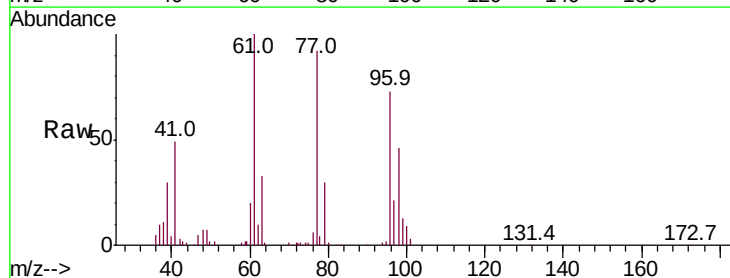
Acq: 18 Jul 2019 12:16

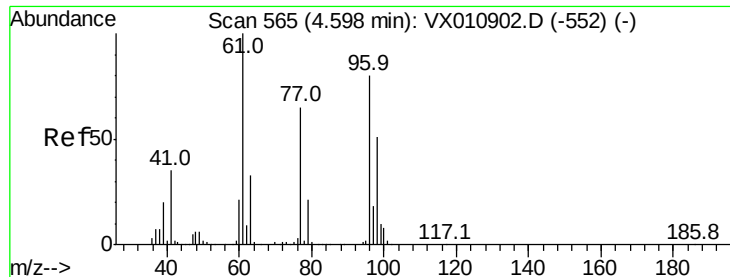
Tgt Ion: 77 Resp: 53370

Ion Ratio Lower Upper

77 100

97 25.3 13.1 39.3





#27

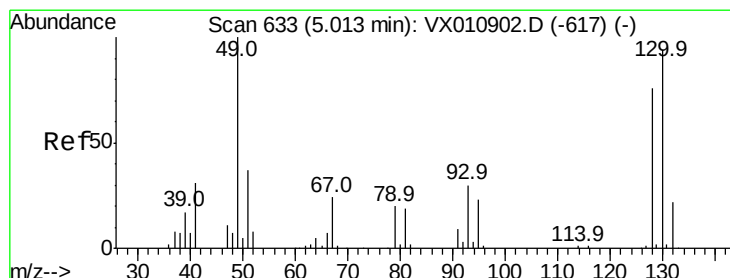
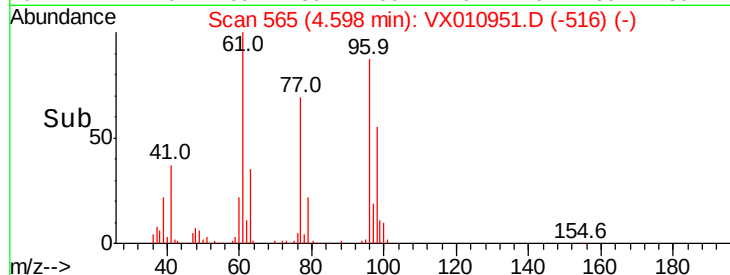
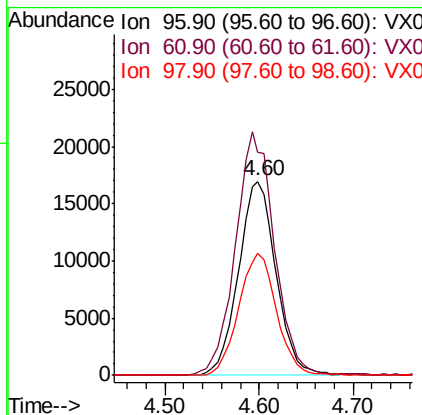
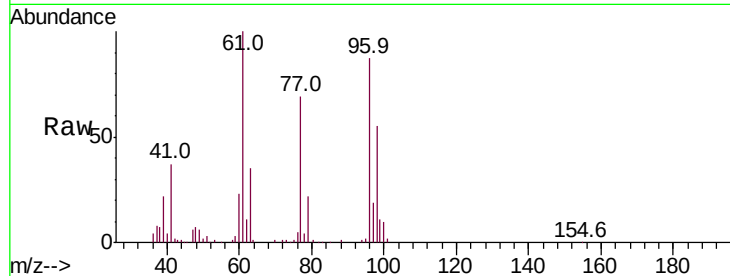
cis-1,2-Dichloroethene
Concen: 20.003 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	251.8
98	63.5	0.0	129.4

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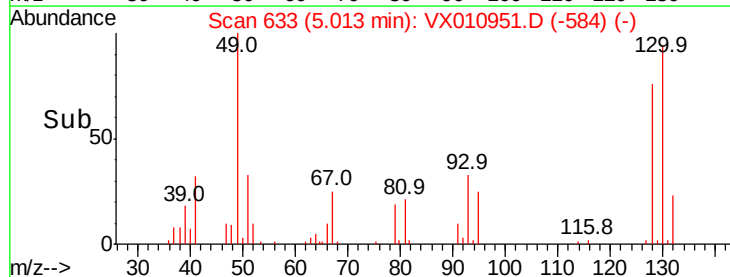
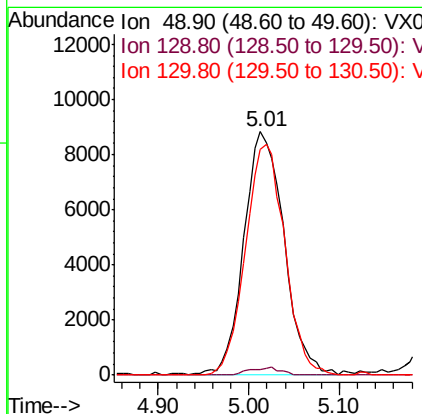
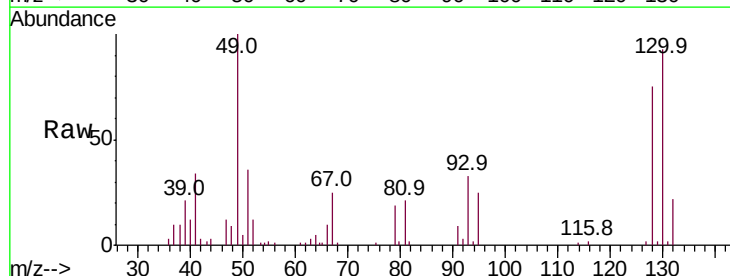
MMDadoda
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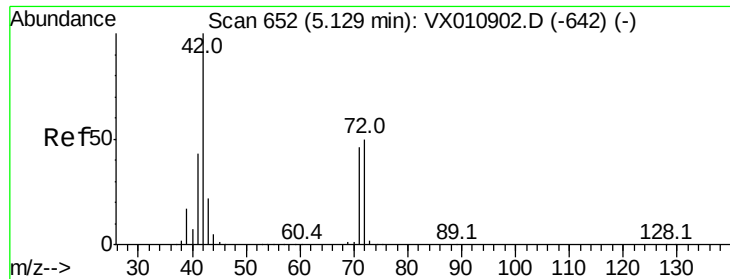


#28

Bromochloromethane
Concen: 16.806 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	92.8	81.4	122.0





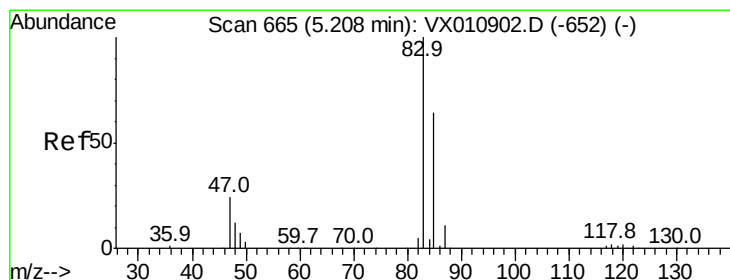
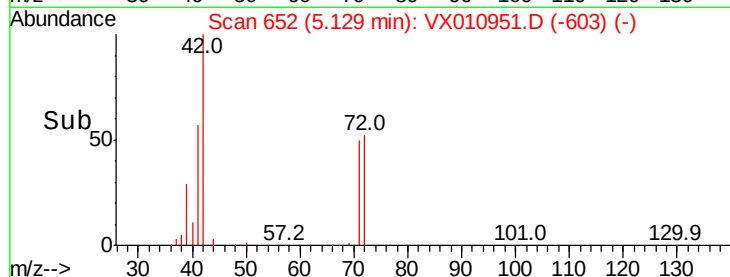
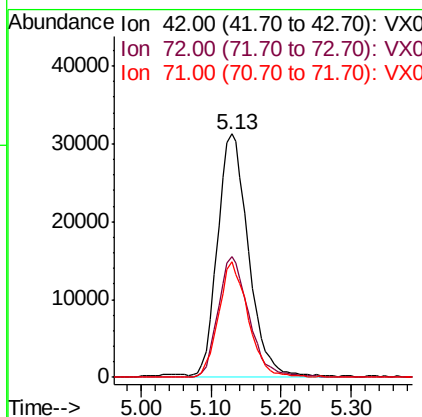
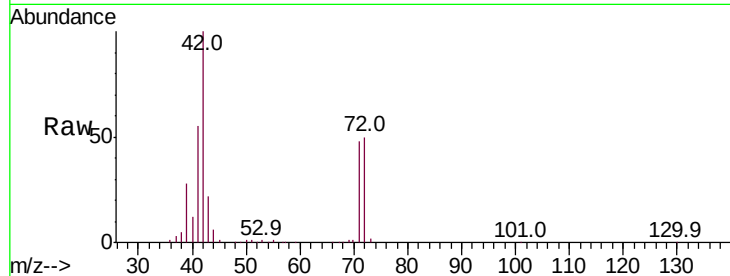
#29
Tetrahydrofuran
Concen: 101.048 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	40.6	60.8
71	45.5	37.8	56.8

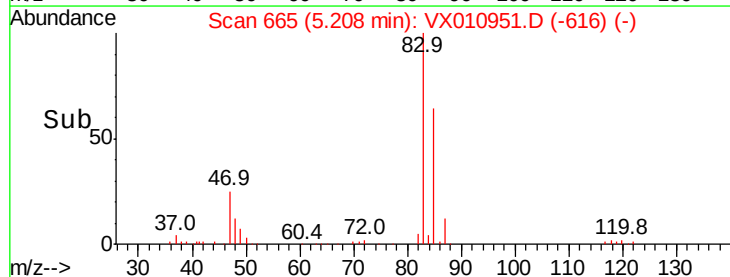
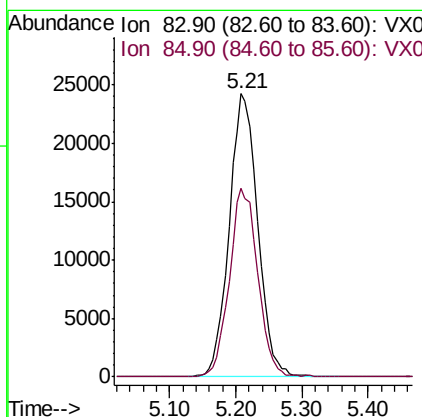
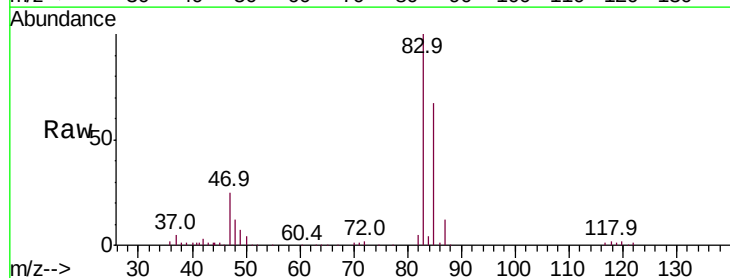
Manual Integrations
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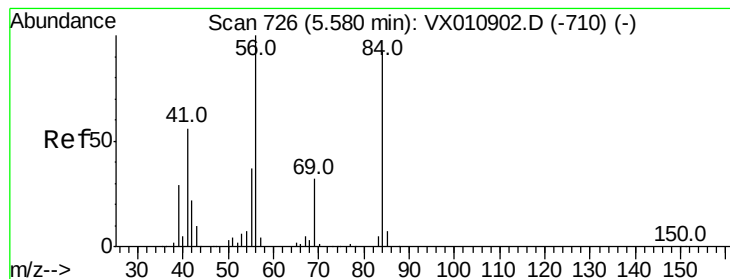
MMDadoda
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#30
Chloroform
Concen: 19.595 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.9	76.3





#31

Cyclohexane

Concen: 19.604 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion: 56 Resp: 61031

Ion Ratio Lower Upper

56 100

69 28.8 25.9 38.9

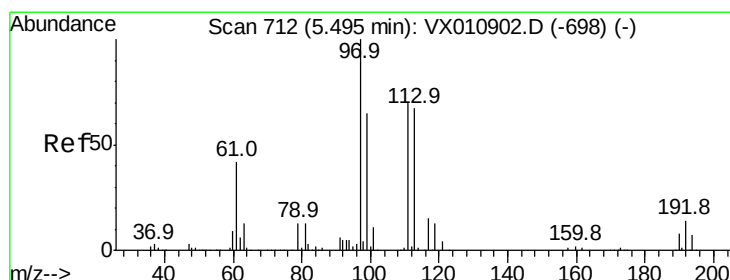
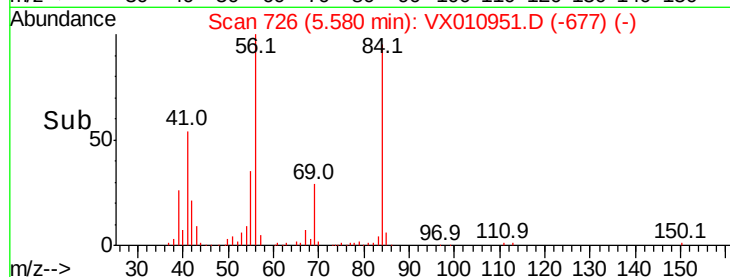
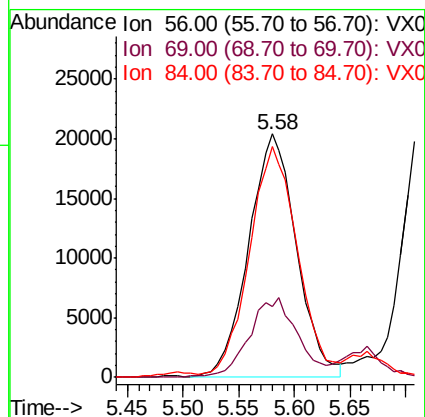
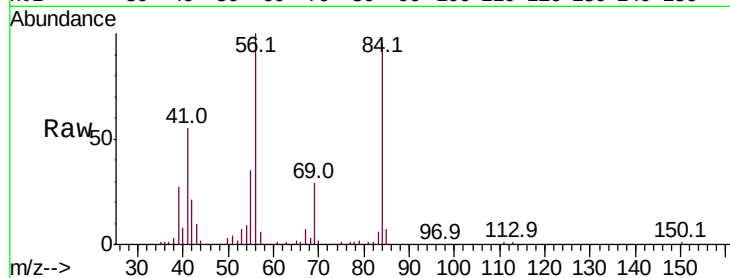
84 93.2 78.0 117.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.934 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

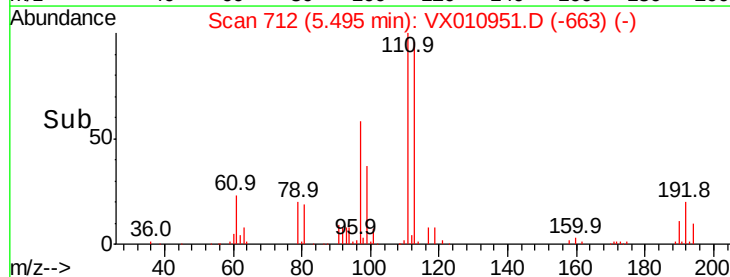
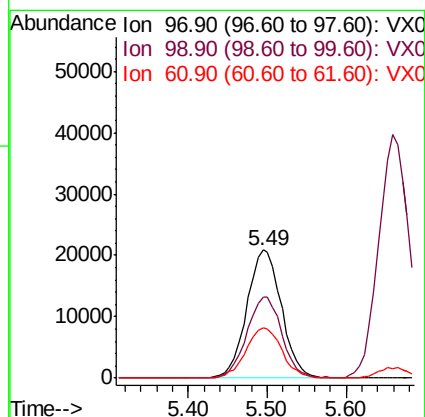
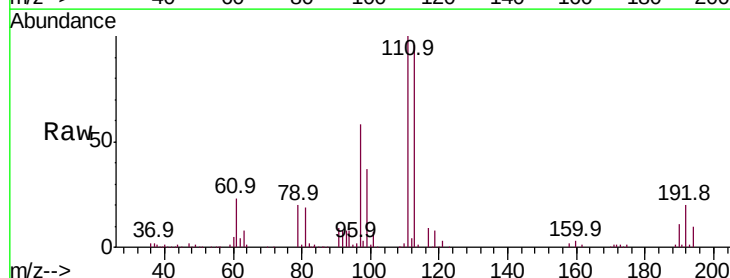
Tgt Ion: 97 Resp: 63669

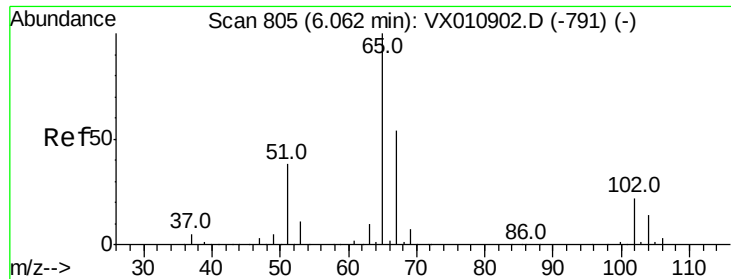
Ion Ratio Lower Upper

97 100

99 63.9 51.8 77.8

61 41.0 32.1 48.1





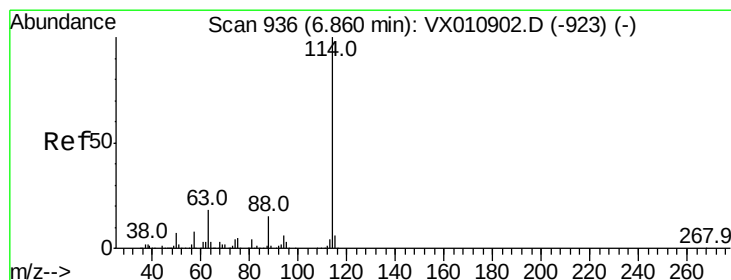
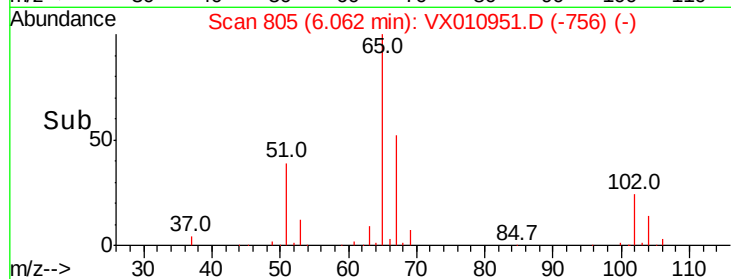
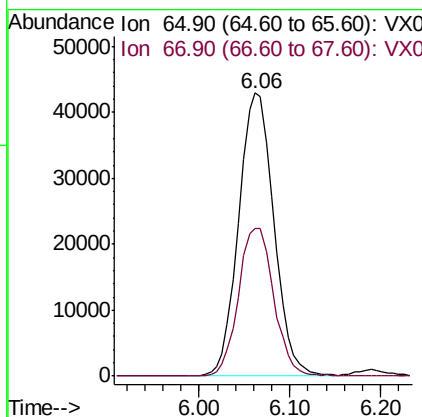
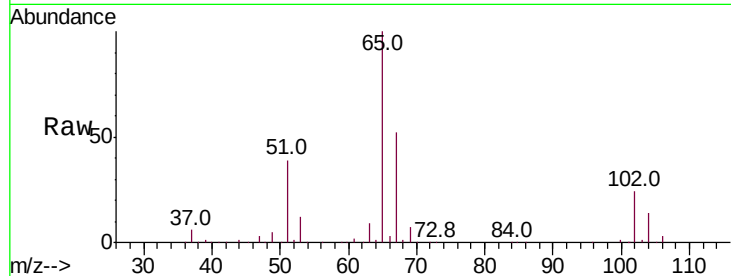
#33
 1,2-Dichloroethane-d4
 Concen: 50.419 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	110.2	

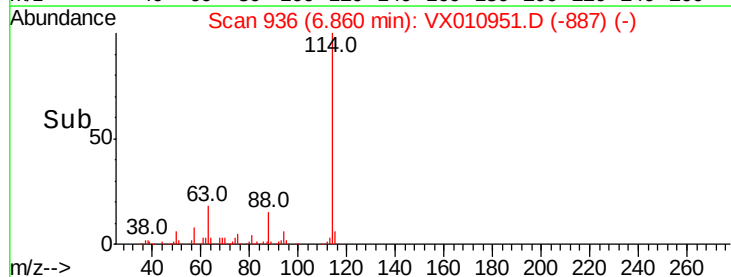
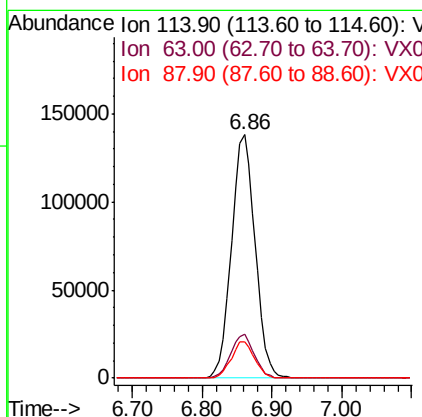
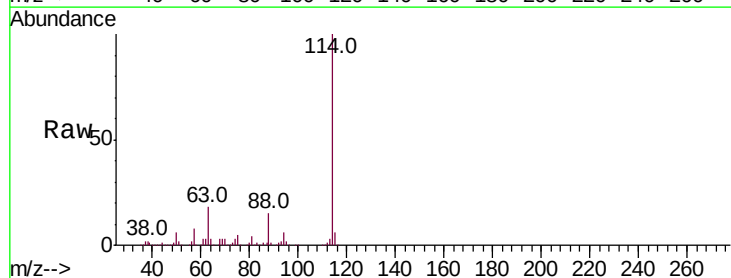
Manual Integrations
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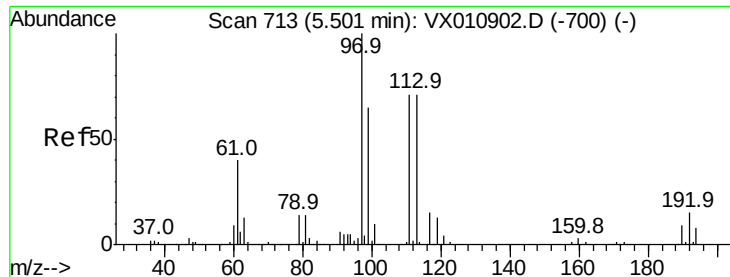
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.9	0.0	33.8	
88	15.0	0.0	27.6	





#35

Dibromofluoromethane

Concen: 50.209 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

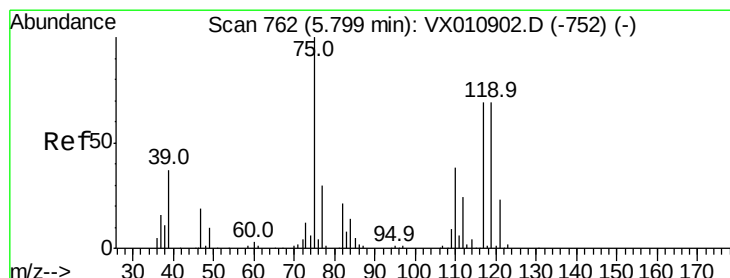
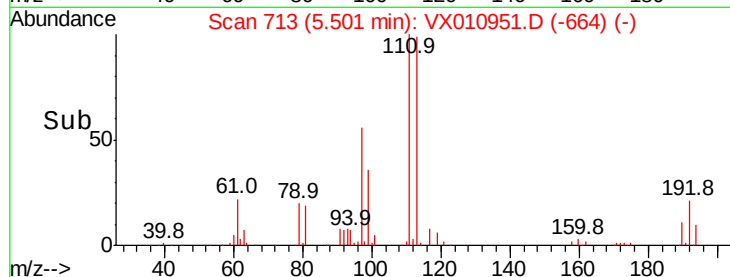
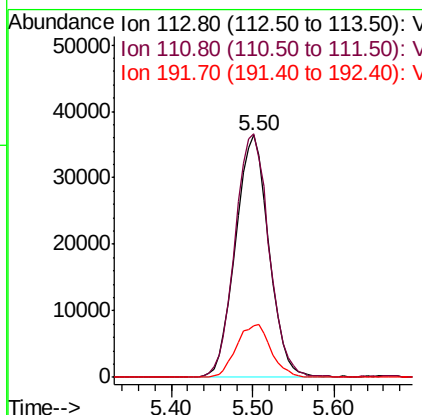
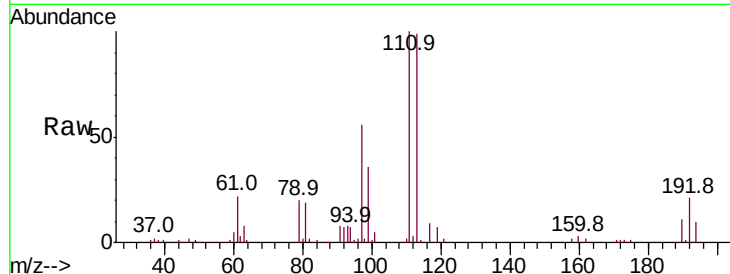
ClientSampleId :

VX0718MBS01

Tot Ion:	113	Resp:	103410
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.2	121.8
192	22.6	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.727 ug/l

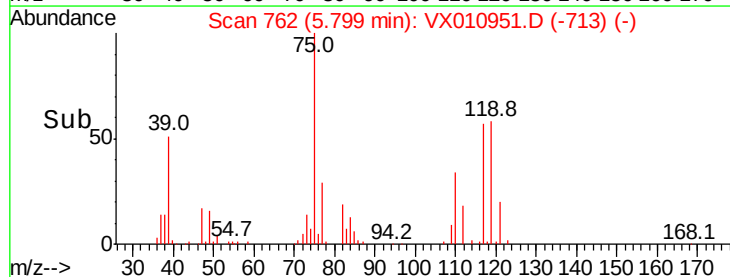
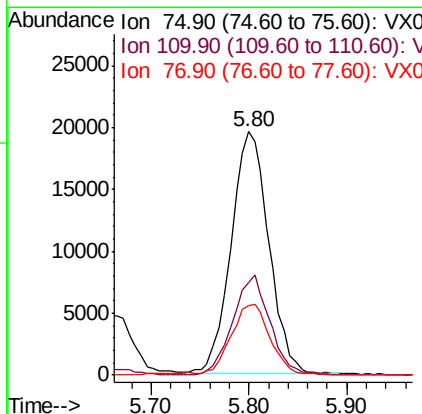
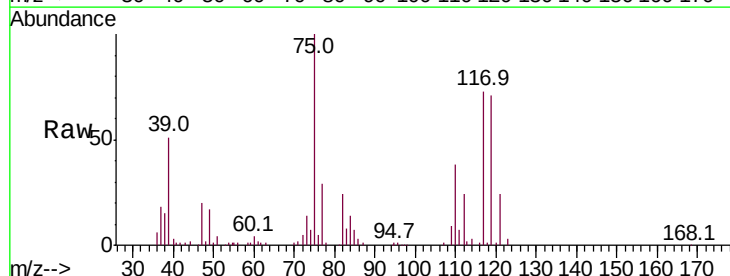
RT: 5.80 min Scan# 762

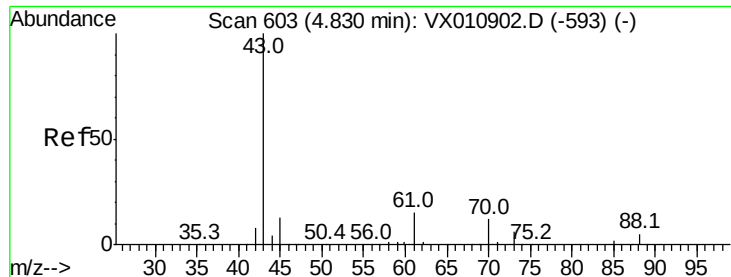
Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Tgt Ion:	75	Resp:	52579
Ion Ratio	Lower	Upper	
75	100		
110	40.3	20.8	62.2
77	30.8	25.4	38.0





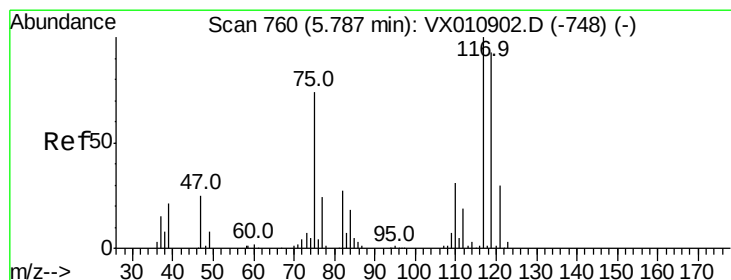
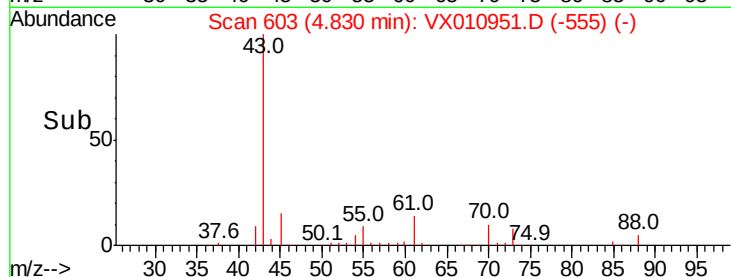
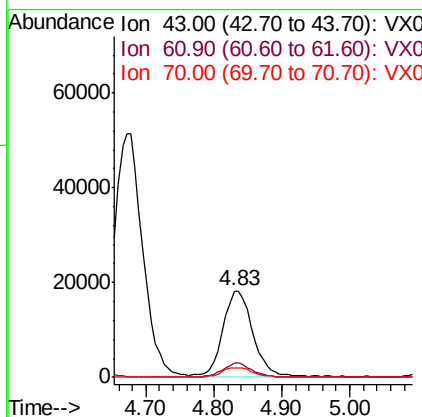
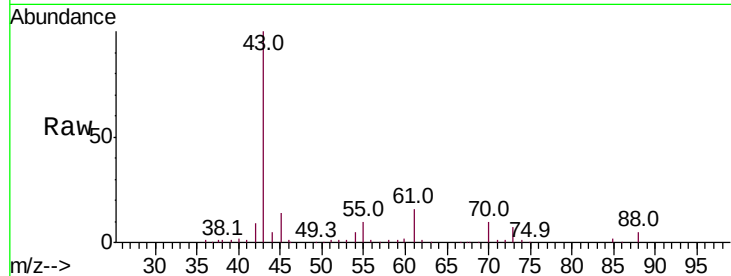
#37
Ethyl Acetate
Concen: 20.274 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.4	18.6
70	12.1	9.8	14.8

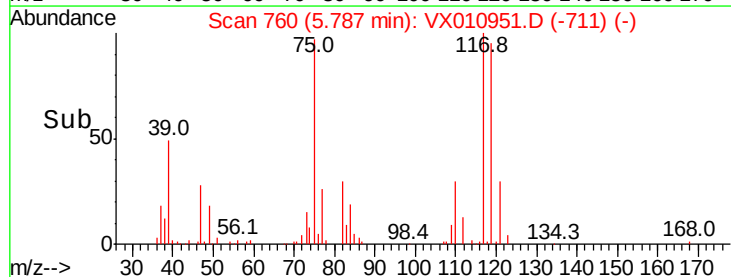
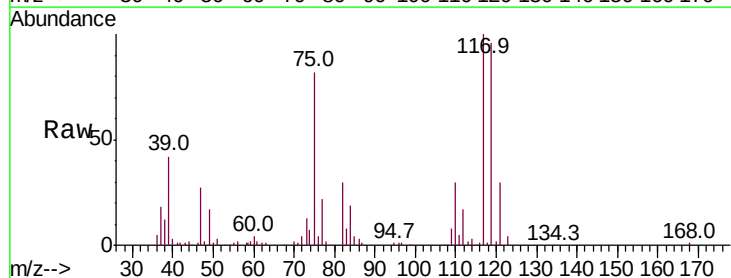
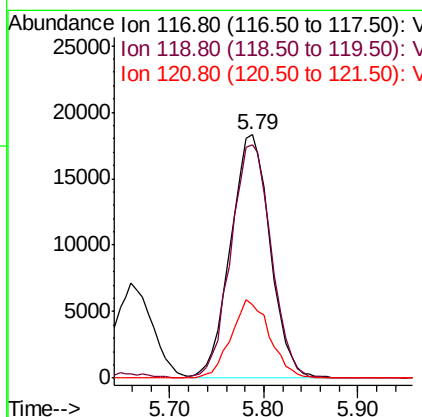
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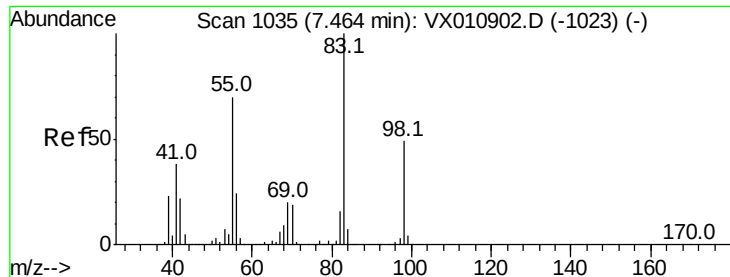
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#38
Carbon Tetrachloride
Concen: 19.389 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.2	117.4
121	30.4	24.7	37.1





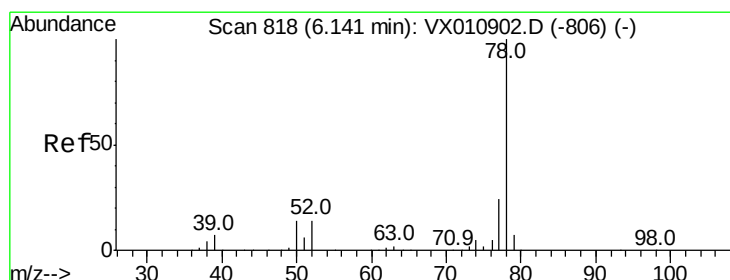
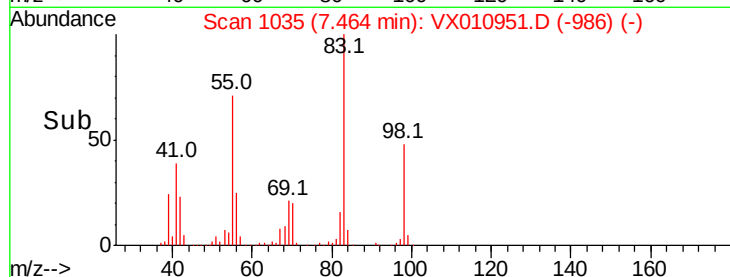
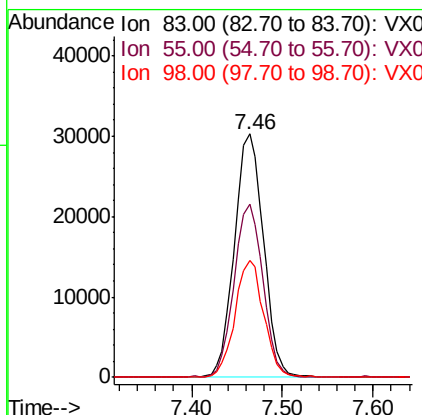
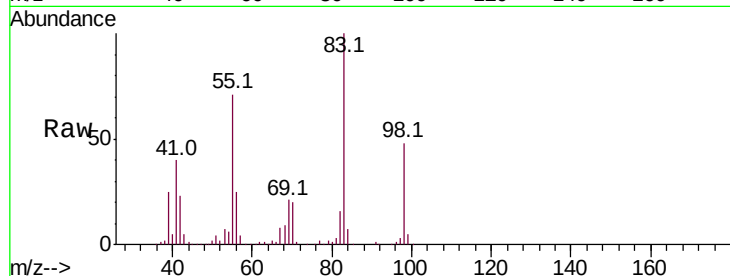
#39
Methylvlcyclohexane
Concen: 19.555 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	53.0	79.6
98	48.1	37.8	56.8

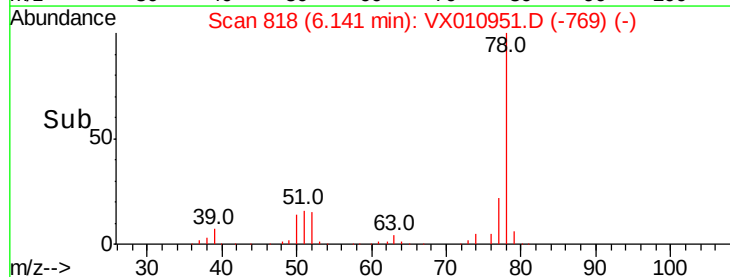
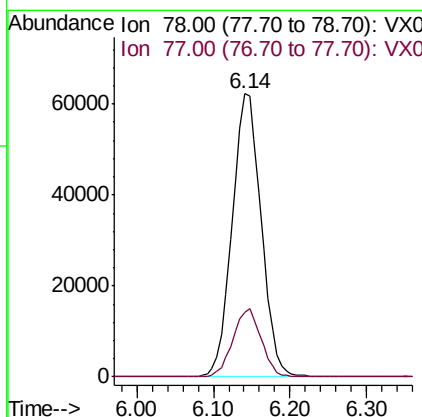
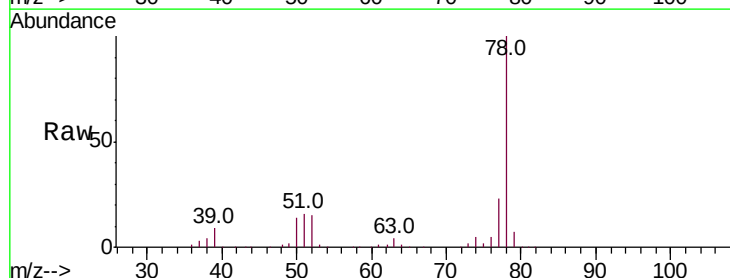
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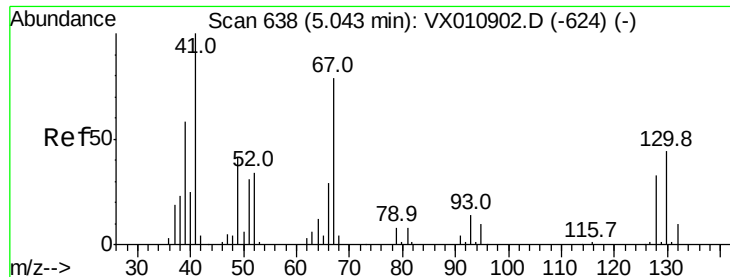
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#40
Benzene
Concen: 20.007 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





#41

Methacrylonitrile

Concen: 18.917 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion: 41 Resp: 29309

Ion Ratio Lower Upper

41 100

39 55.6 43.8 65.8

67 83.1 66.6 100.0

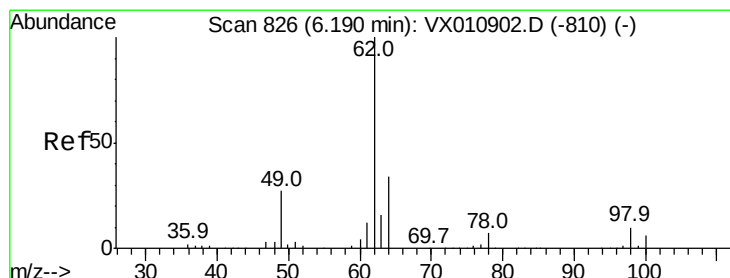
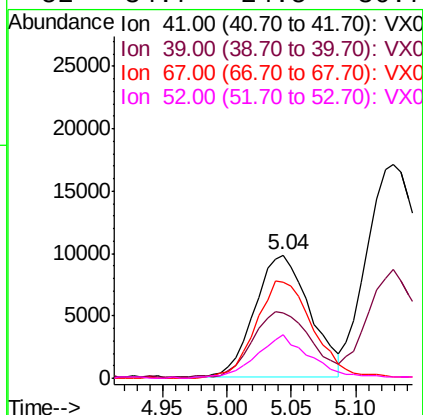
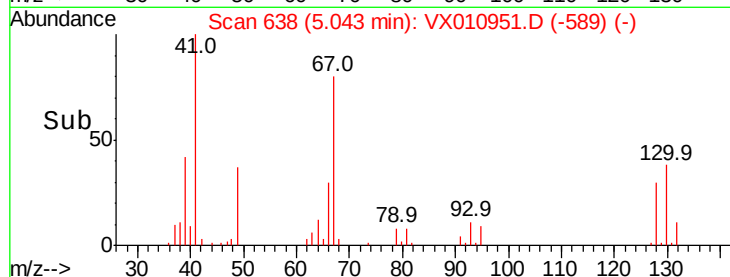
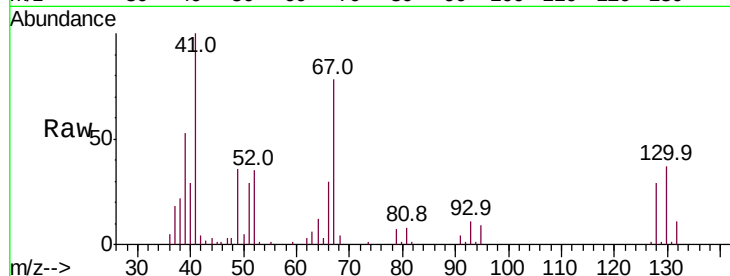
52 34.7 24.5 36.7

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.675 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010951.D

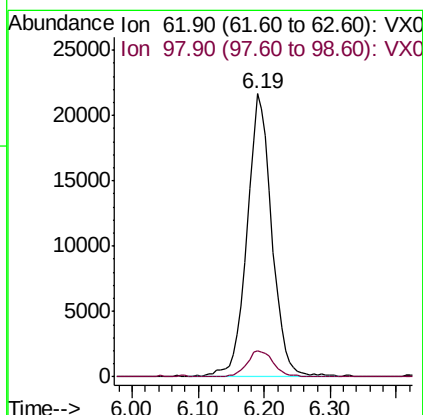
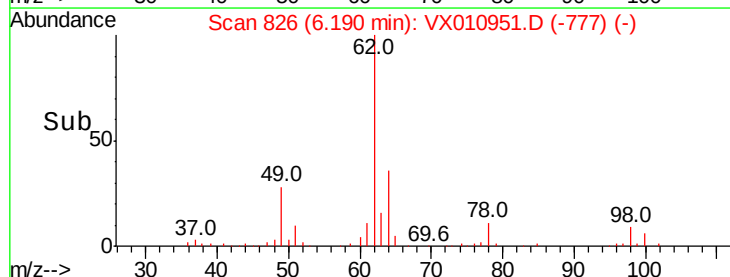
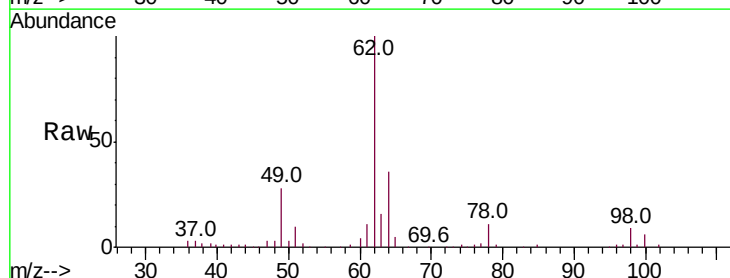
Acq: 18 Jul 2019 12:16

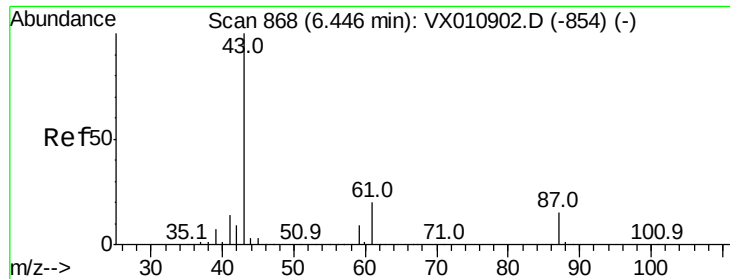
Tgt Ion: 62 Resp: 55854

Ion Ratio Lower Upper

62 100

98 10.0 0.0 22.2





#43

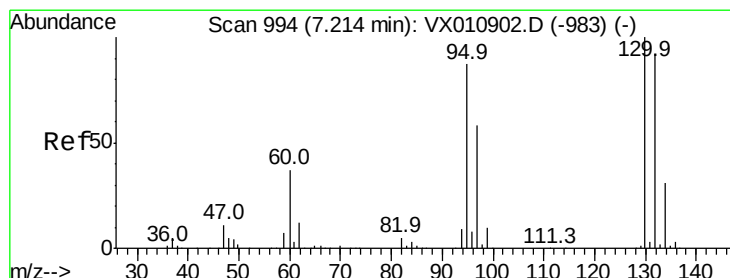
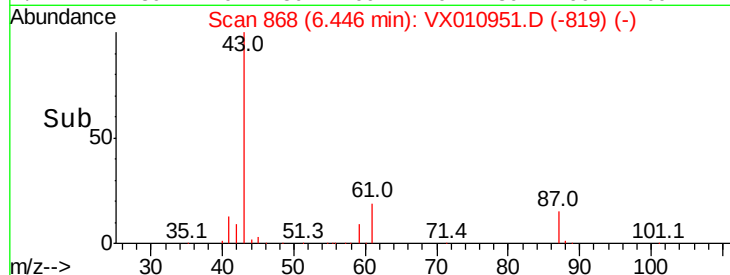
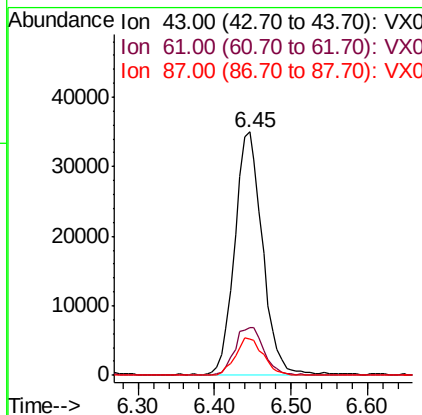
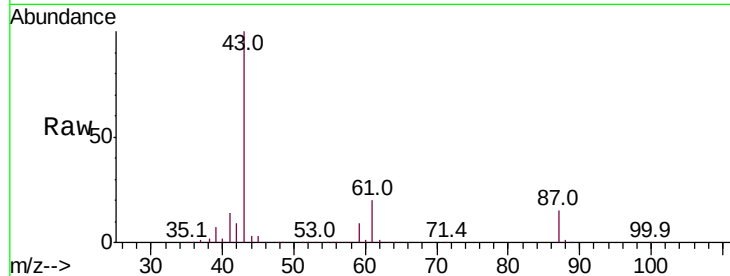
Isopropyl Acetate
 Concen: 19.498 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.8	26.6
87	15.4	13.0	19.4

Manual Integrations
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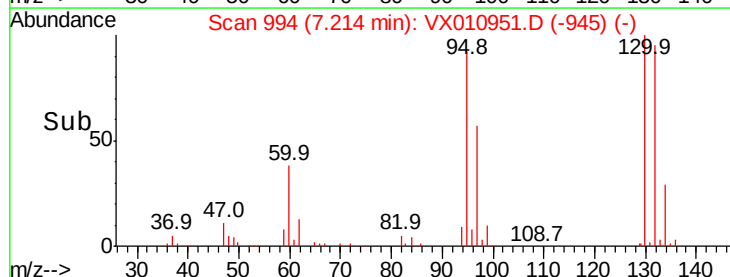
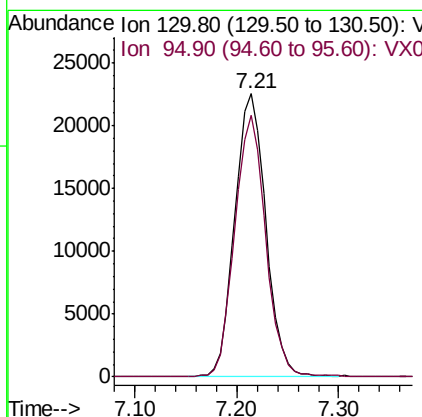
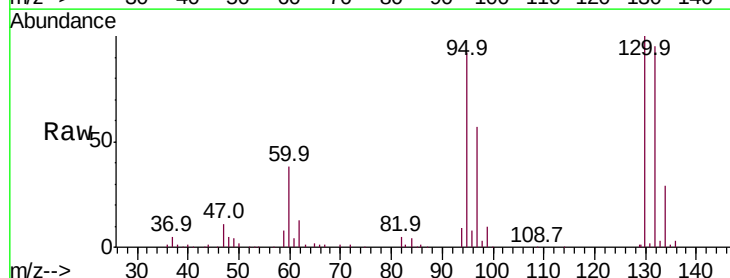
MMDadoda
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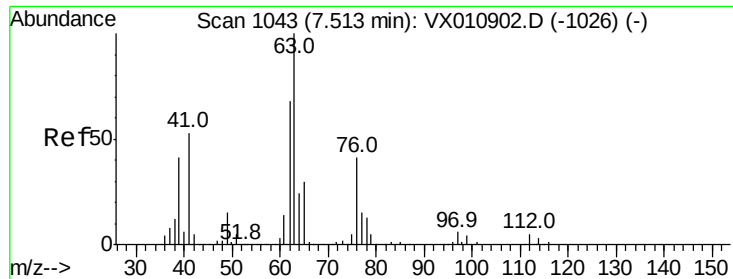


#44

Trichloroethene
 Concen: 19.723 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	180.8





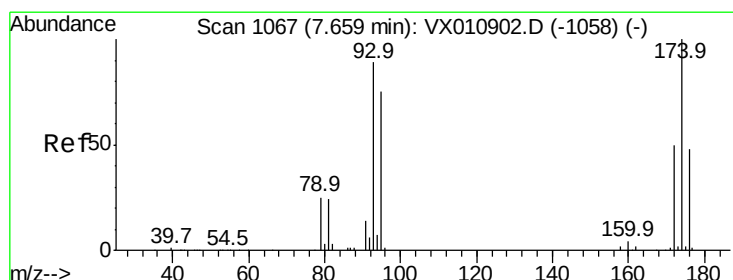
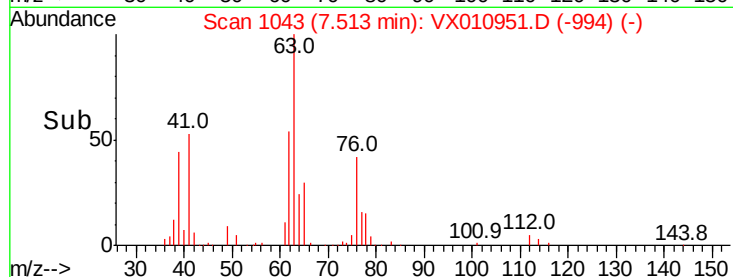
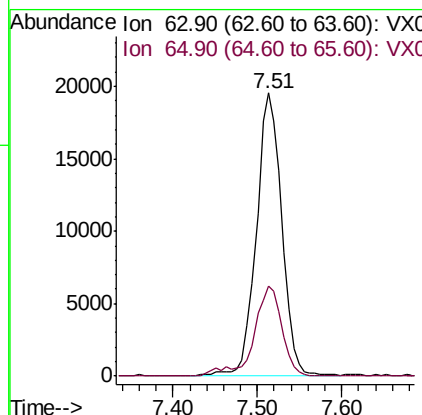
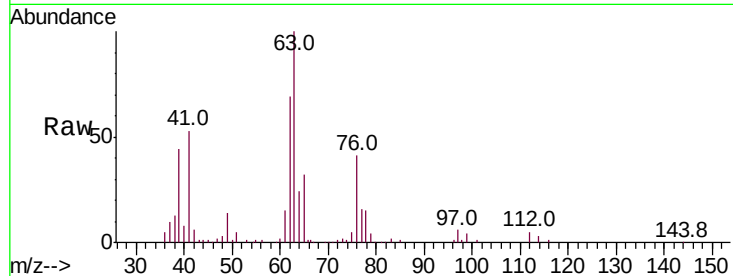
#45
 1,2-Dichloropropane
 Concen: 19.448 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion: 63 Resp: 40415
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2

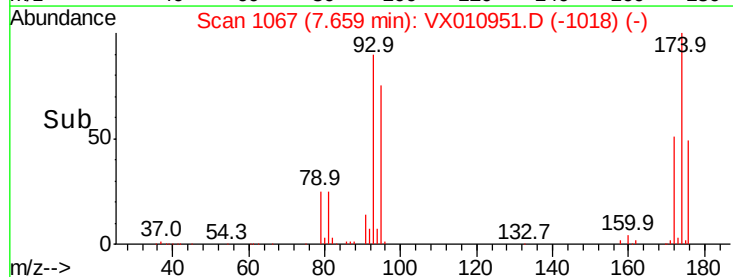
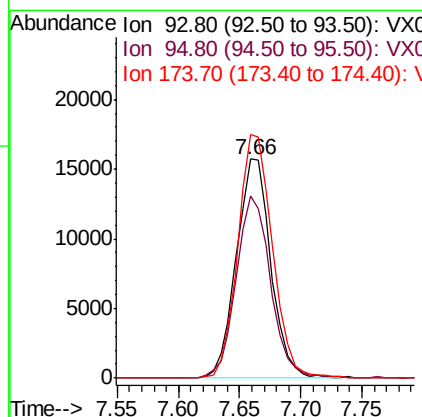
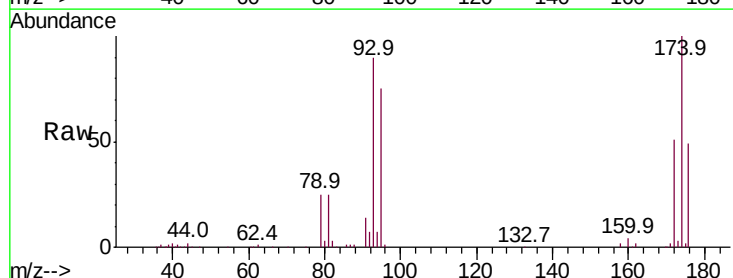
Manual Integrations
 APPROVED

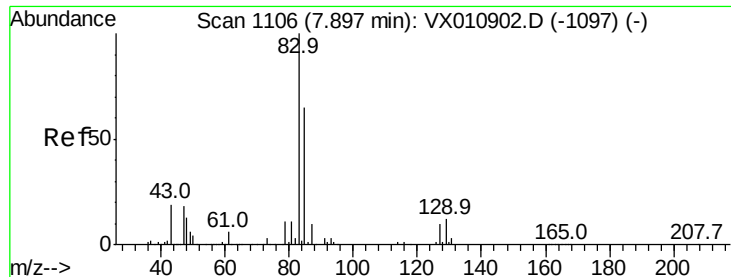
MMDadoda
 7/22/2019 12:03:29 PM



#46
 Dibromomethane
 Concen: 20.662 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion: 93 Resp: 30681
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.5 101.3
 174 111.8 95.8 143.6





#47

Bromodichloromethane

Concen: 19.793 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

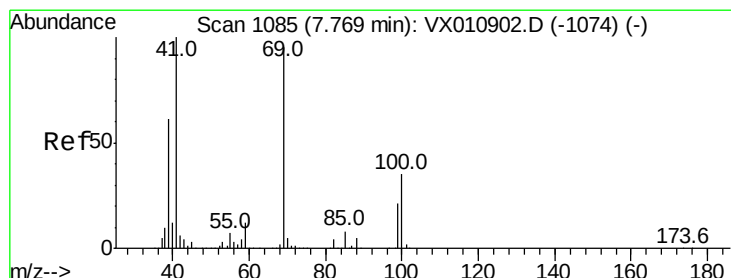
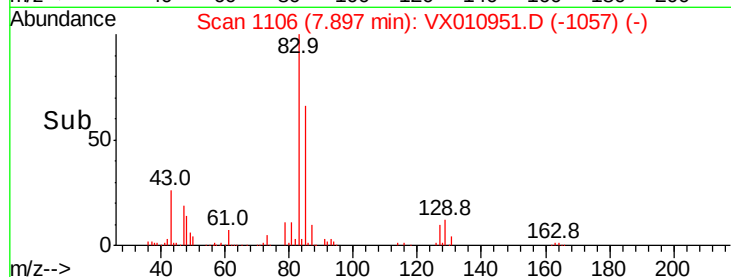
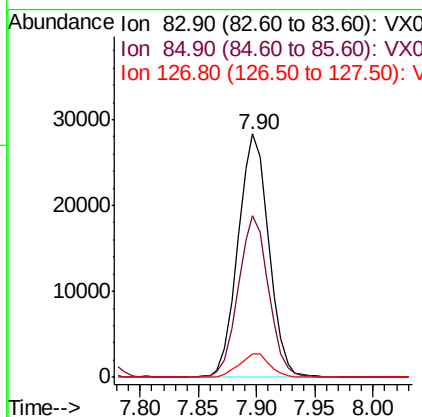
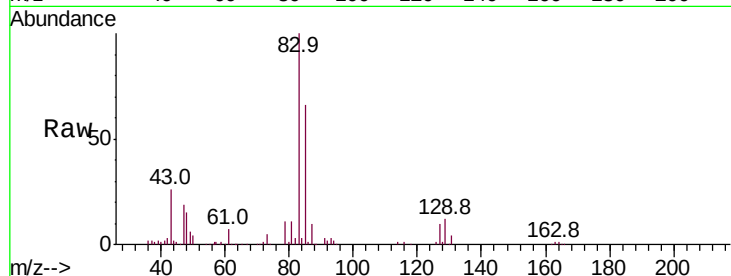
ClientSampleId :

VX0718MBS01

Tot Ion:	83	Resp:	52317
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3
127	9.7	7.8	11.8

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 19.593 ug/l

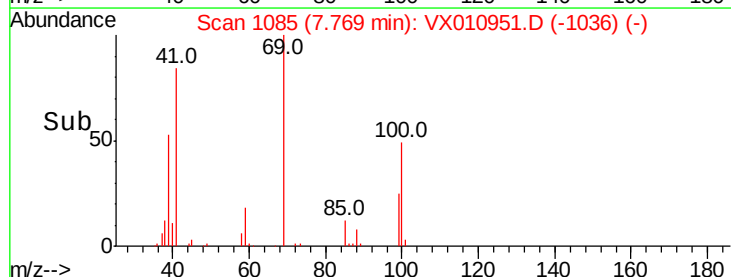
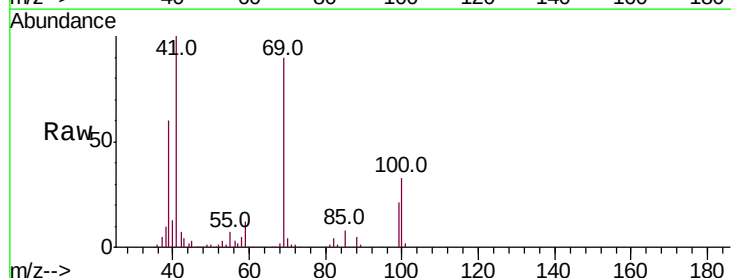
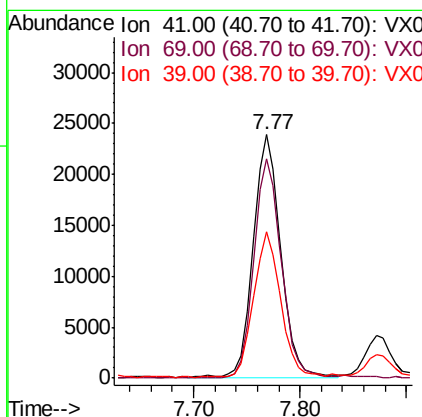
RT: 7.77 min Scan# 1085

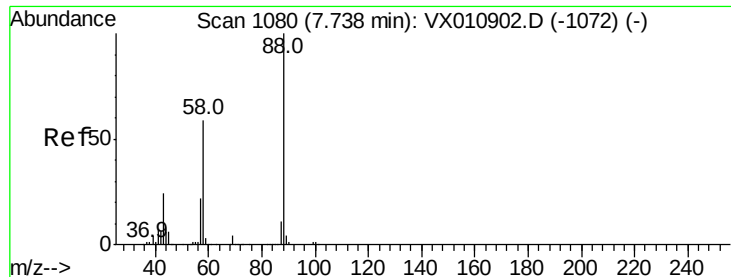
Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Tgt Ion:	41	Resp:	42834
Ion	Ratio	Lower	Upper
41	100		
69	91.2	76.1	114.1
39	59.0	47.6	71.4





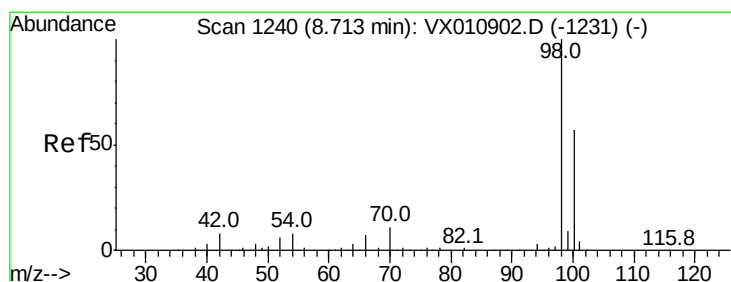
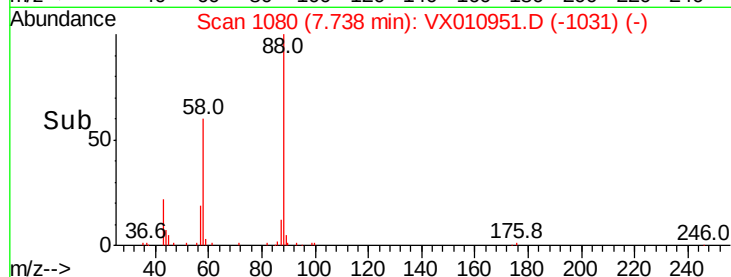
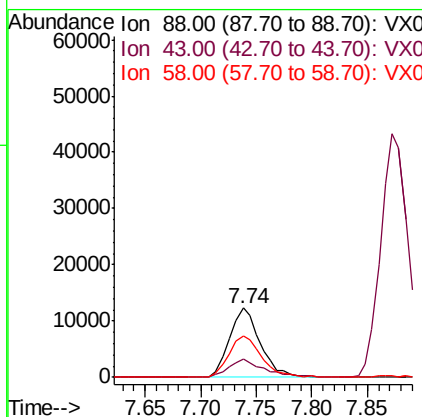
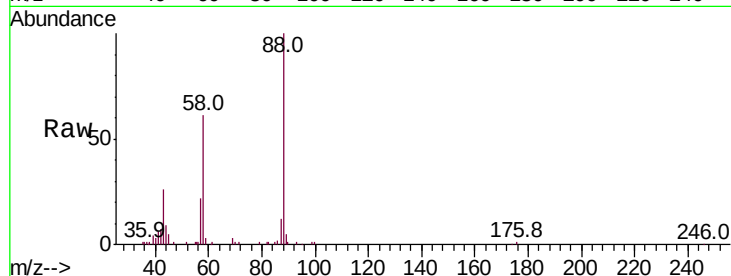
#49
1,4-Dioxane
Concen: 386.945 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	20.2	30.2
58	64.7	49.5	74.3

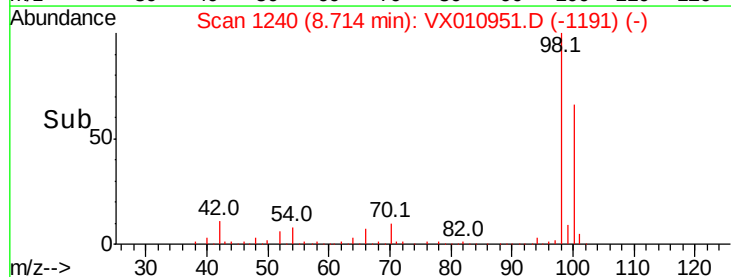
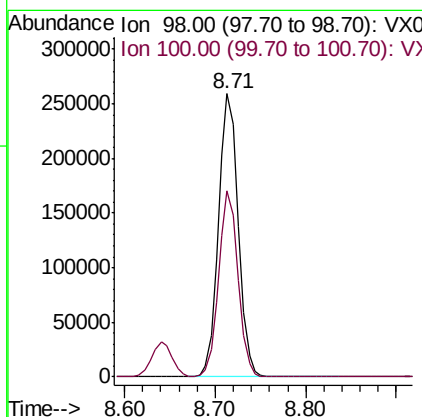
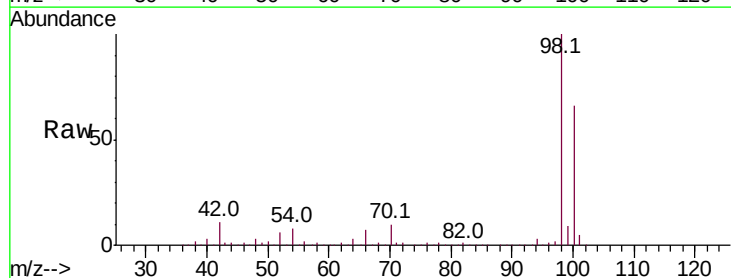
Manual Integrations
APPROVED

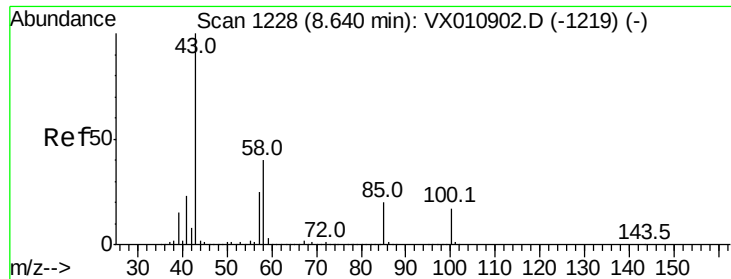
MMDadoda
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#50
Toluene-d8
Concen: 51.019 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 101.040 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VX0718MBS01

Tot Ion: 43 Resp: 293938

Ion Ratio Lower Upper

43 100

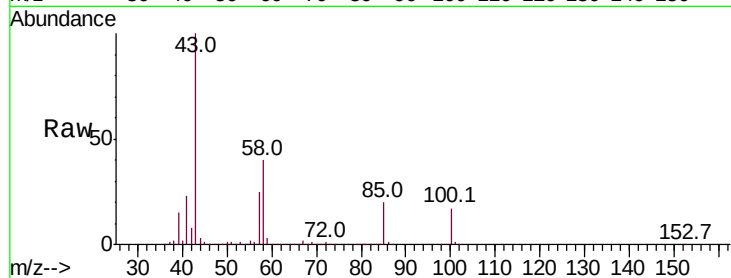
58 40.0 33.5 50.3

Manual Integrations

APPROVED

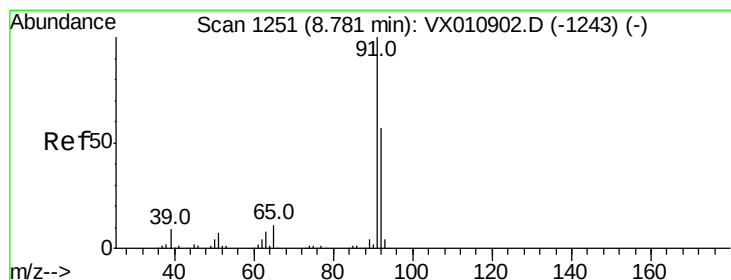
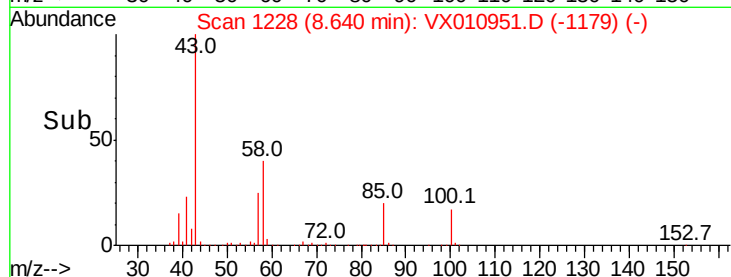
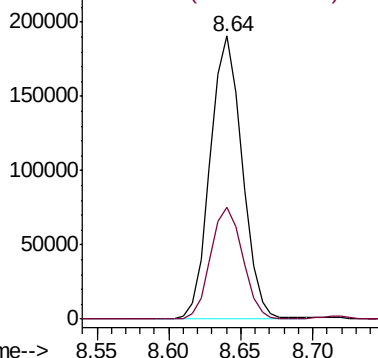
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.783 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010951.D

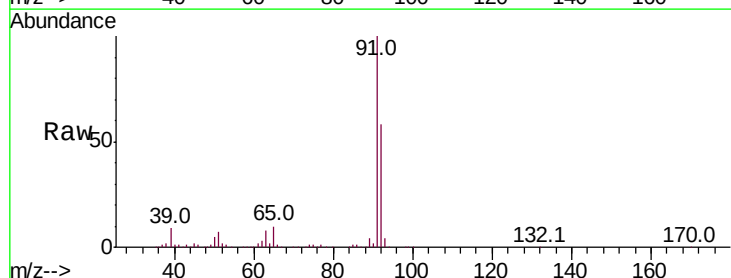
Acq: 18 Jul 2019 12:16

Tgt Ion: 92 Resp: 106108

Ion Ratio Lower Upper

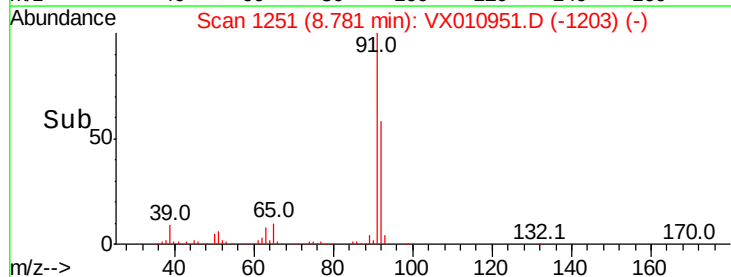
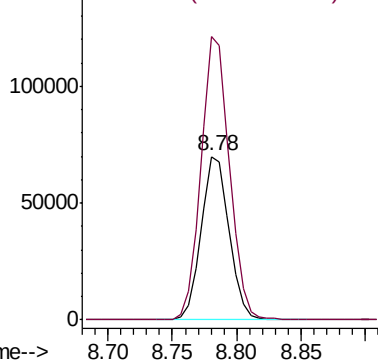
92 100

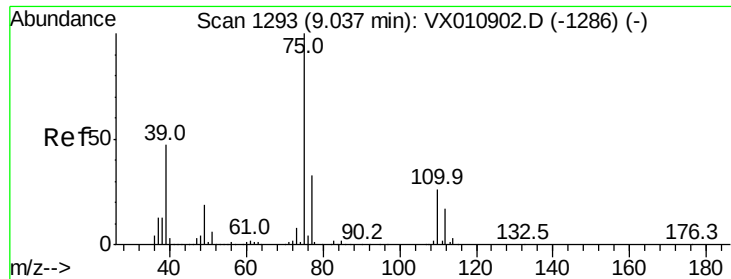
91 176.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





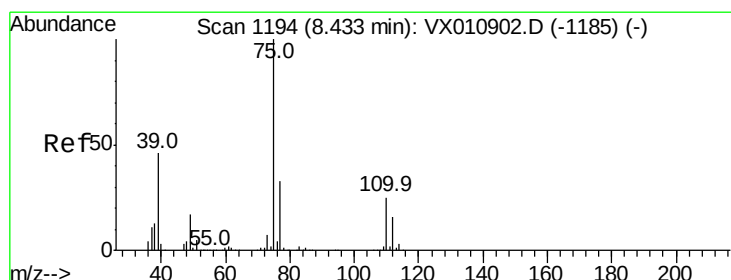
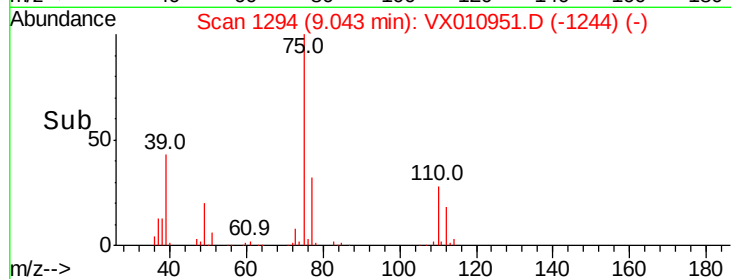
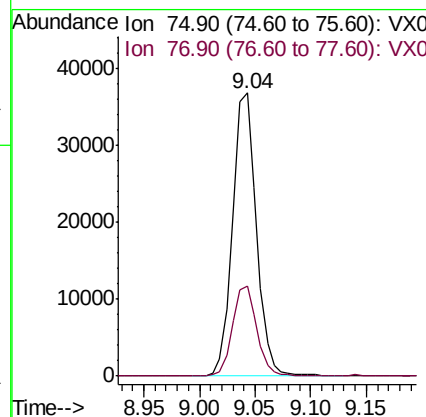
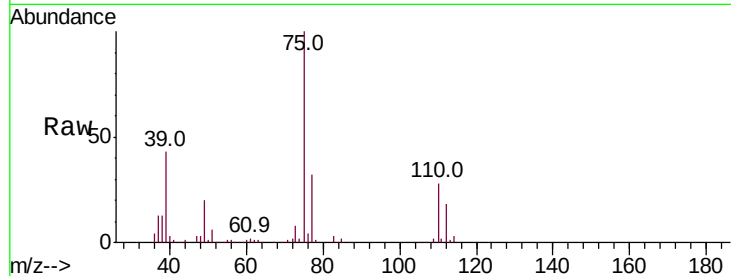
#53
 t-1,3-Dichloropropene
 Concen: 19.206 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion: 75 Resp: 54588
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2

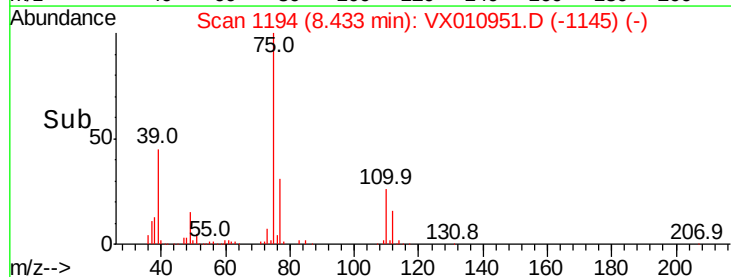
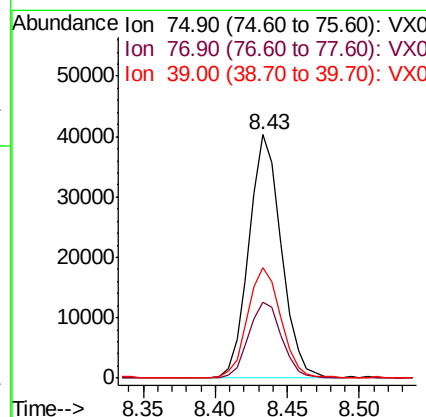
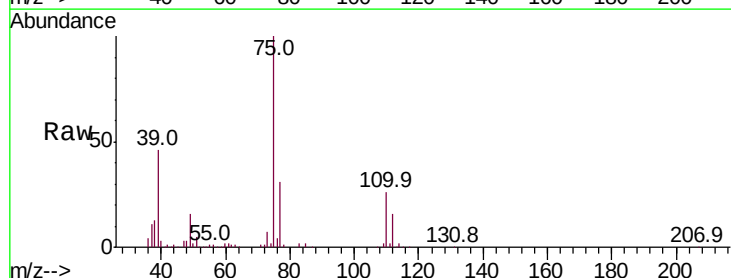
Manual Integrations
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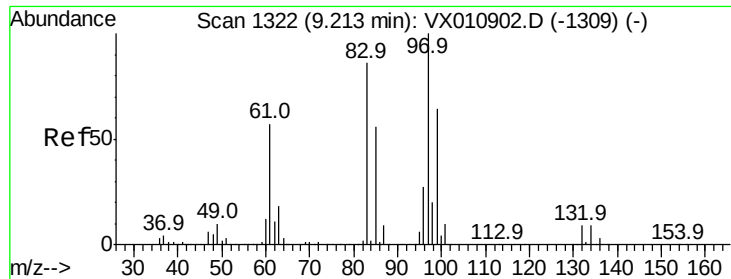
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.803 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion: 75 Resp: 62628
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 45.2 34.5 51.7





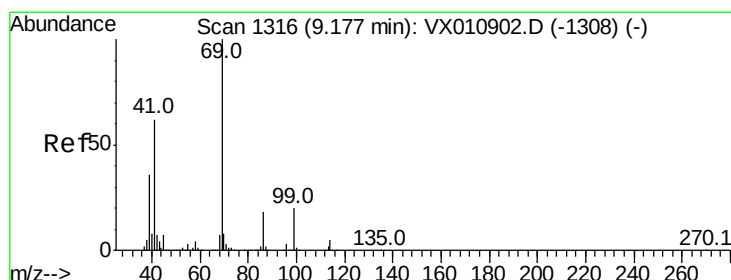
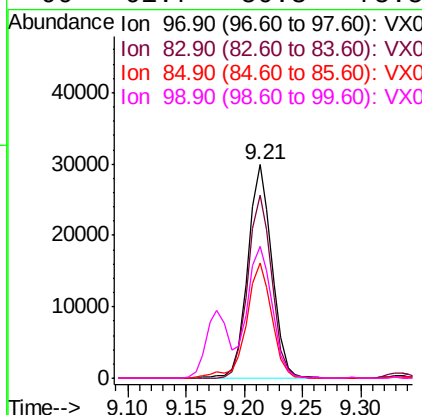
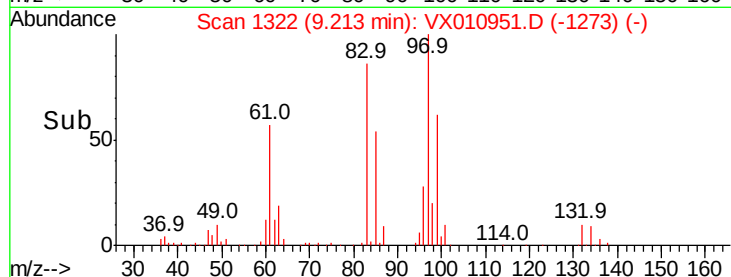
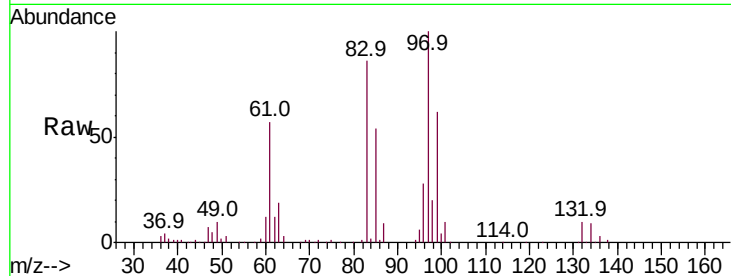
#55
 1,1,2-Trichloroethane
 Concen: 19.576 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion:	97	Resp:	43233
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.4	101.0
85	54.0	43.8	65.8
99	61.7	50.3	75.5

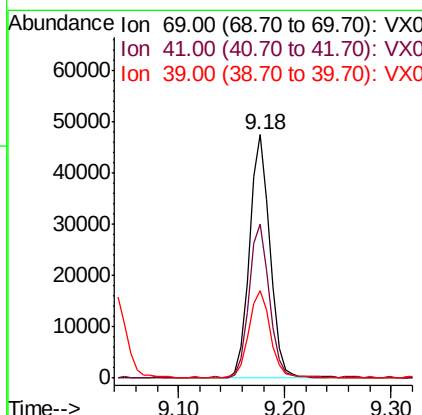
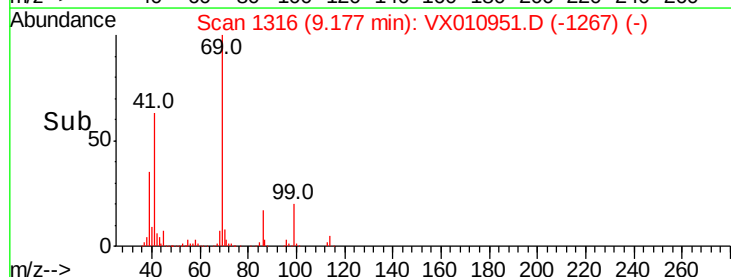
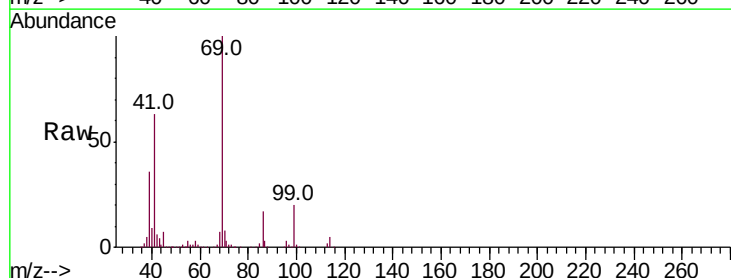
Manual Integrations
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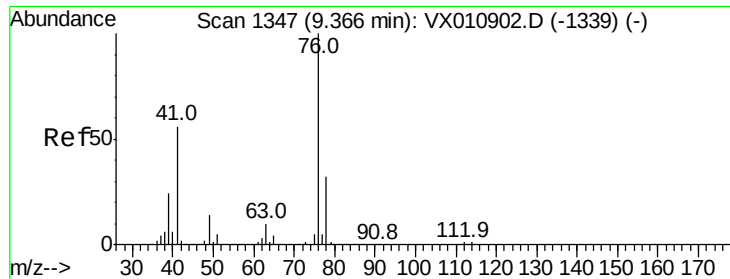
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#56
 Ethyl methacrylate
 Concen: 19.970 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion:	69	Resp:	64510
Ion	Ratio	Lower	Upper
69	100		
41	61.9	47.1	70.7
39	37.1	26.6	40.0





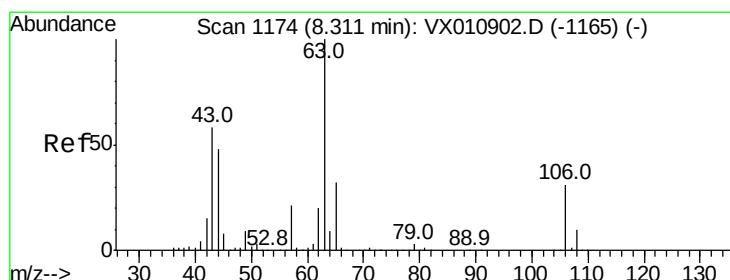
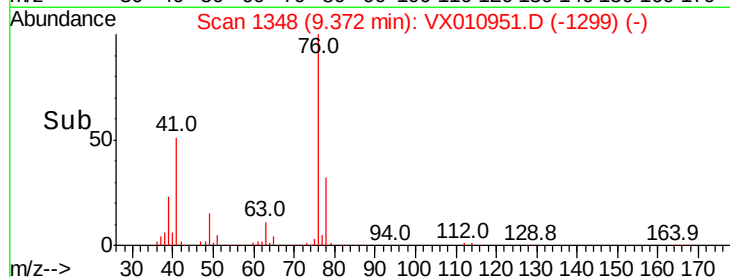
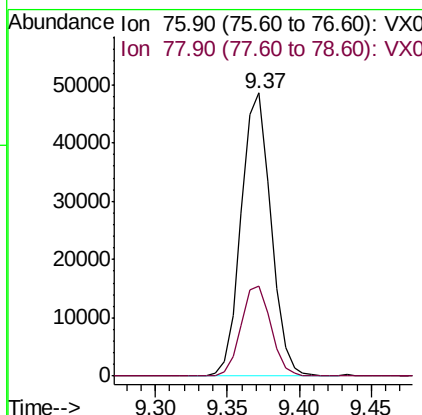
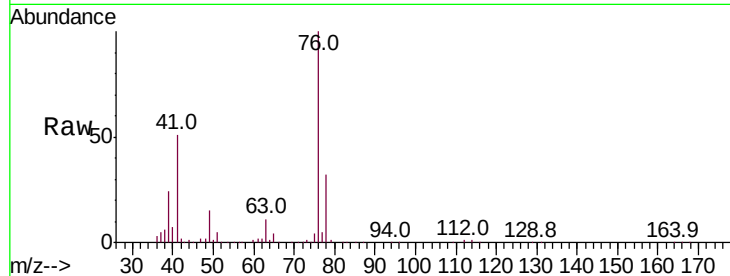
#57
 1,3-Dichloropropane
 Concen: 19.959 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion: 76 Resp: 69925
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1

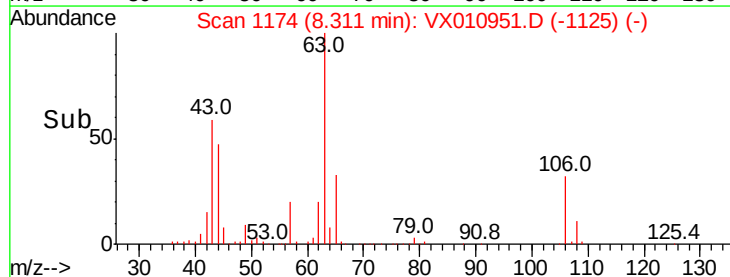
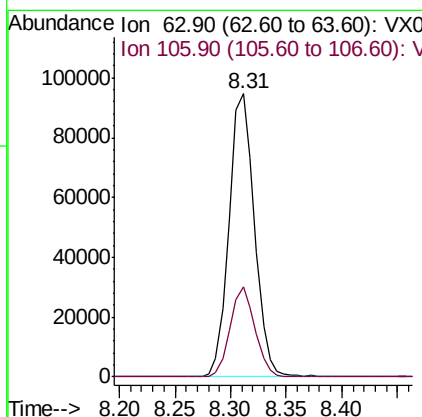
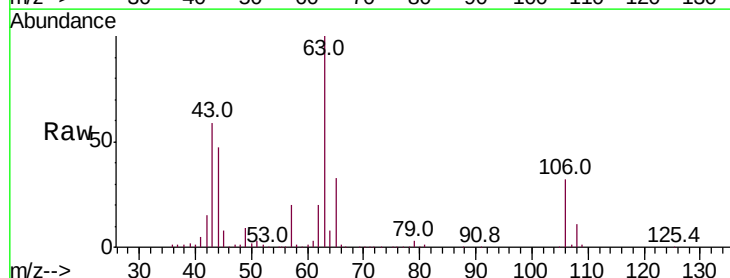
Manual Integrations
 APPROVED

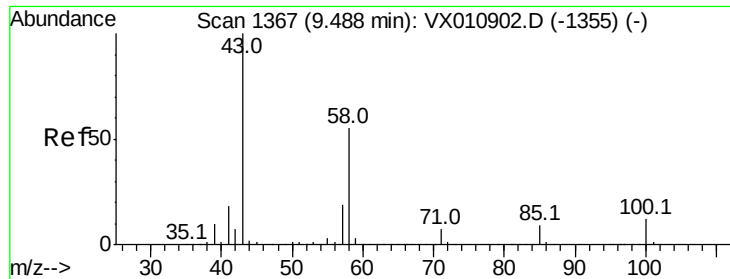
MMDadoda
 7/22/2019 12:03:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.092 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion: 63 Resp: 149723
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.7 37.1





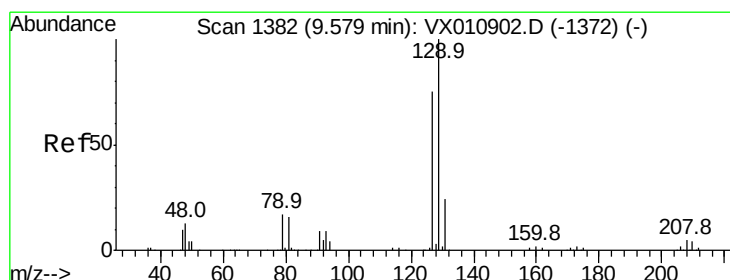
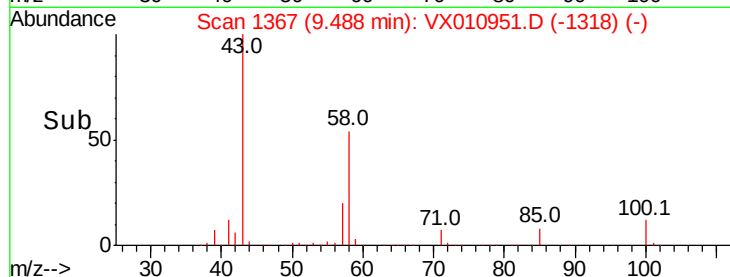
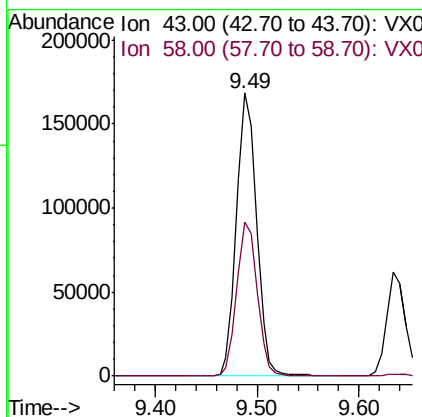
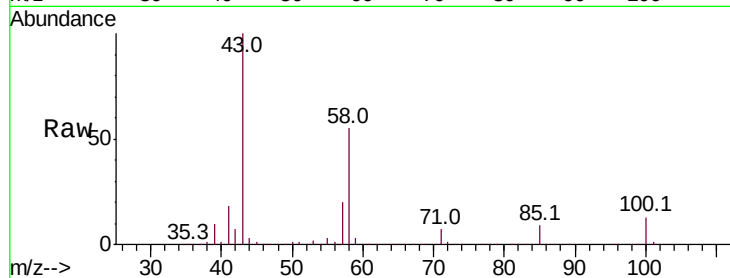
#59
2-Hexanone
Concen: 101.971 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion: 43 Resp: 230084
Ion Ratio Lower Upper
43 100
58 55.2 29.0 87.1

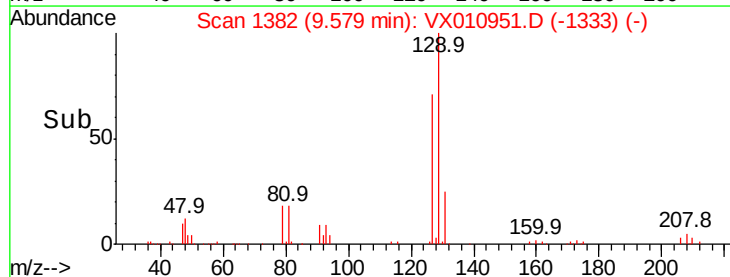
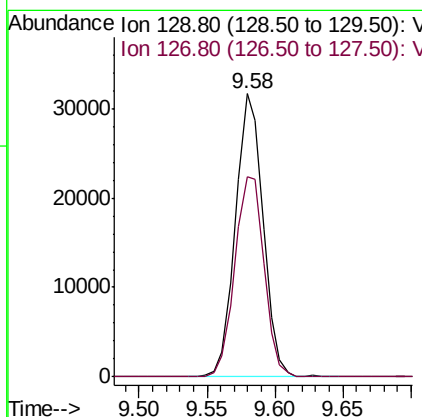
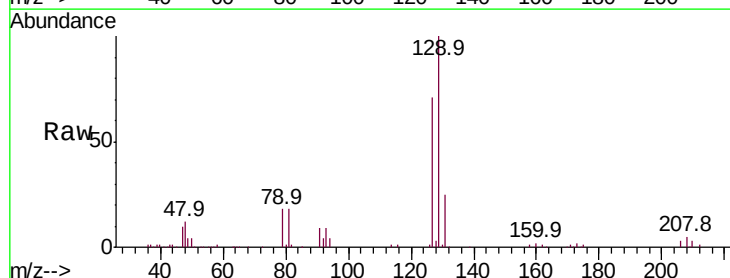
Manual Integrations
APPROVED

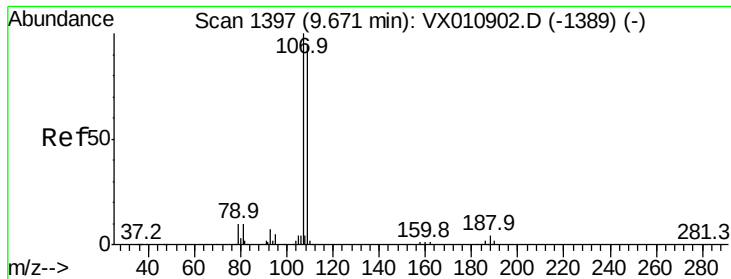
MMDadoda
7/22/2019 12:03:29 PM



#60
Dibromochloromethane
Concen: 19.244 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion: 129 Resp: 44749
Ion Ratio Lower Upper
129 100
127 74.8 38.4 115.1





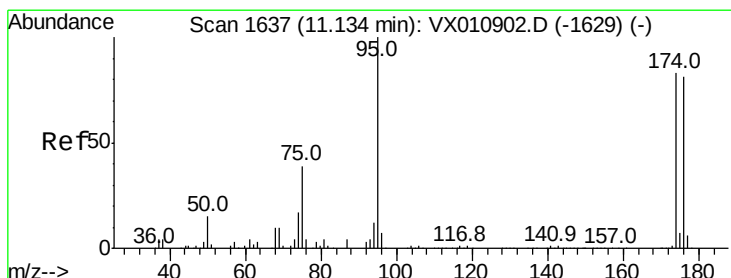
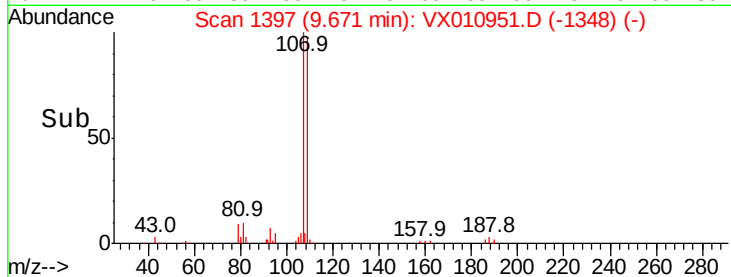
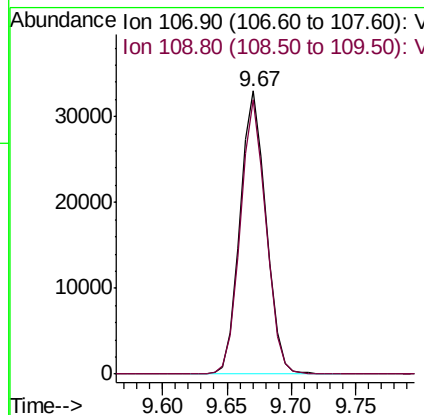
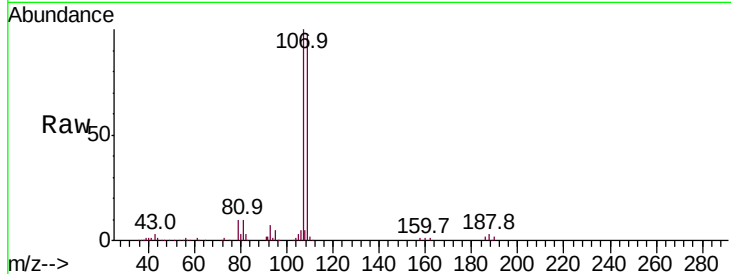
#61
 1,2-Dibromoethane
 Concen: 19.737 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.8	113.6

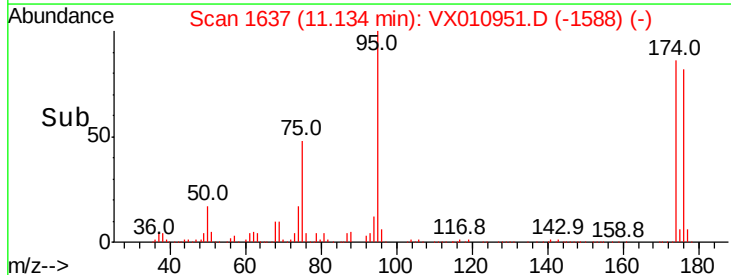
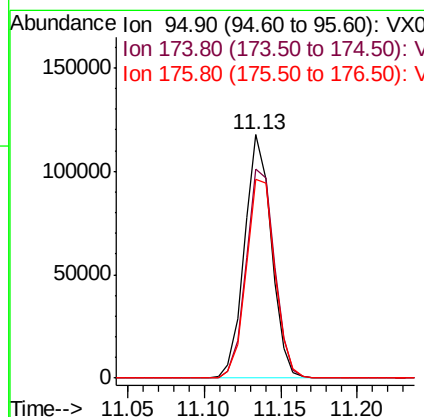
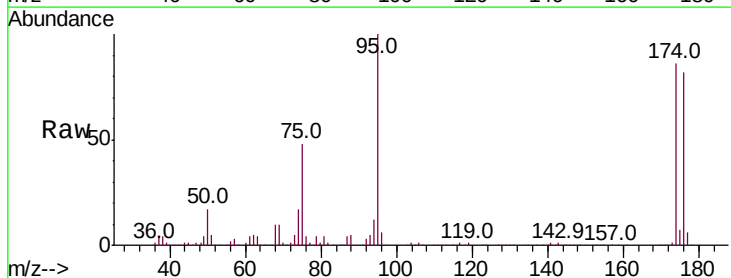
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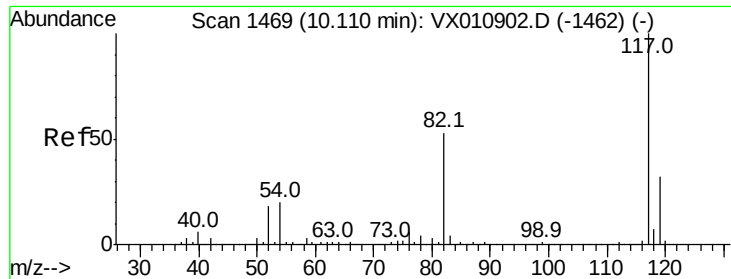
MMDadoda
 7/22/2019 12:03:29 PM



#62
 4-Bromofluorobenzene
 Concen: 50.450 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	187.6
176	87.0	0.0	184.0





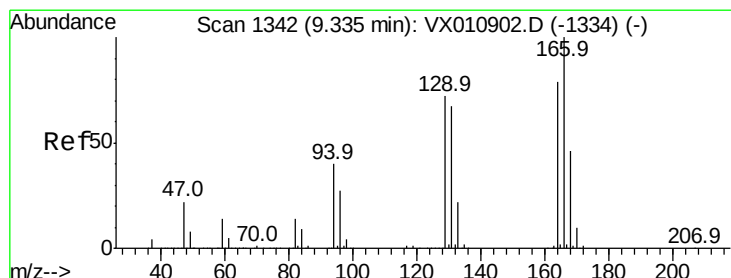
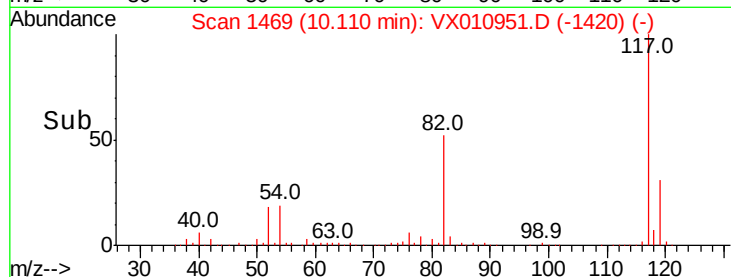
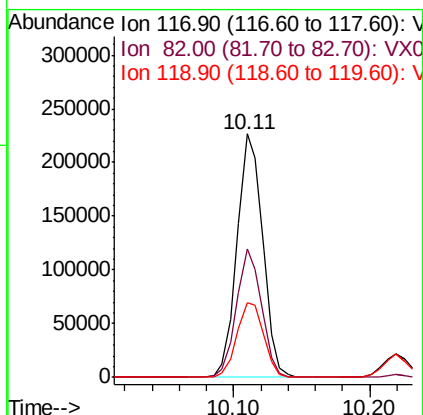
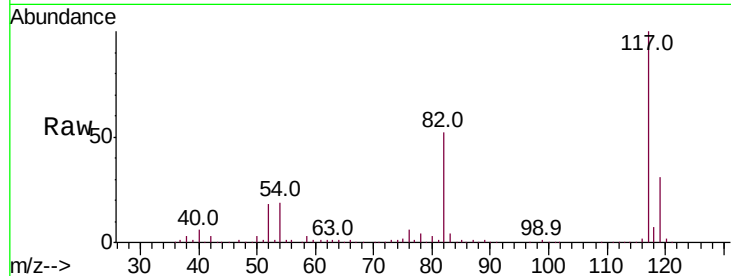
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297689		
82	52.5	41.2	61.8	
119	30.7	25.5	38.3	

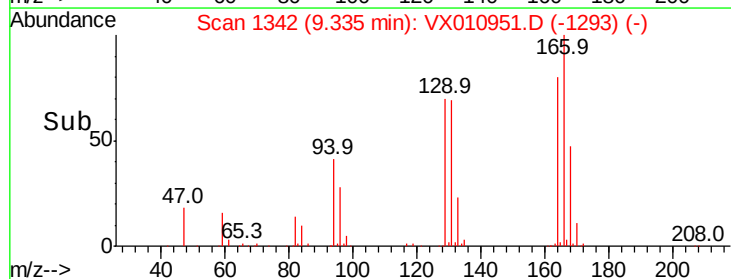
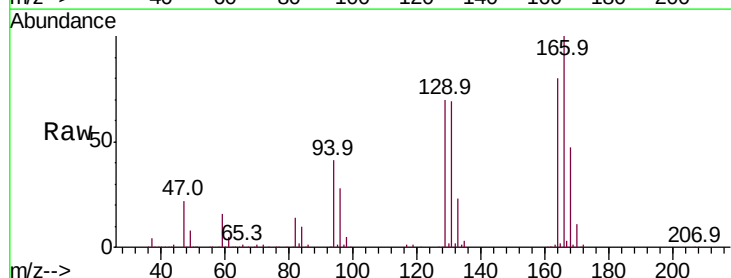
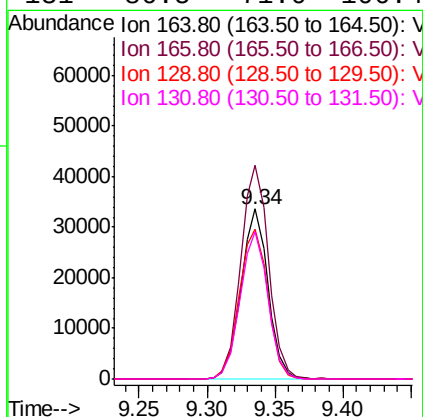
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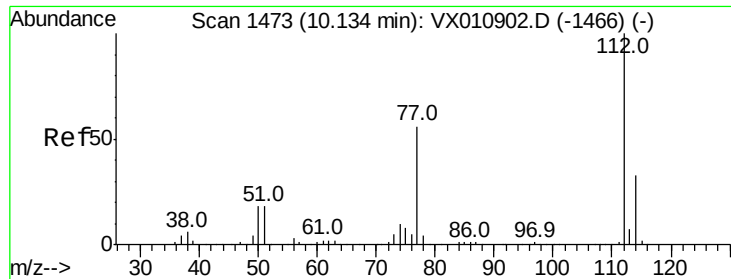
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#64
Tetrachloroethene
Concen: 19.797 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46361		
166	125.6	103.6	155.4	
129	88.5	73.0	109.4	
131	86.5	71.0	106.4	





#65

Chlorobenzene

Concen: 19.706 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion:112 Resp: 120488

Ion Ratio Lower Upper

112 100

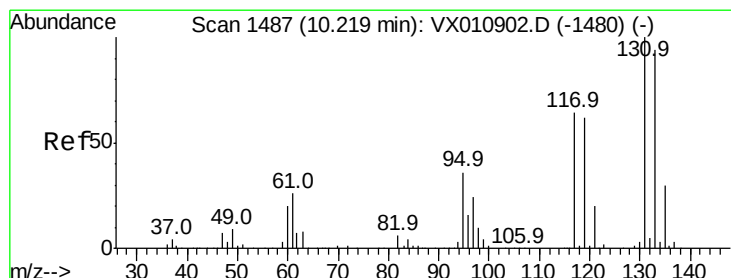
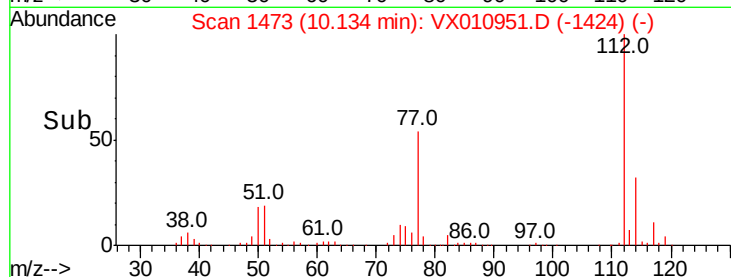
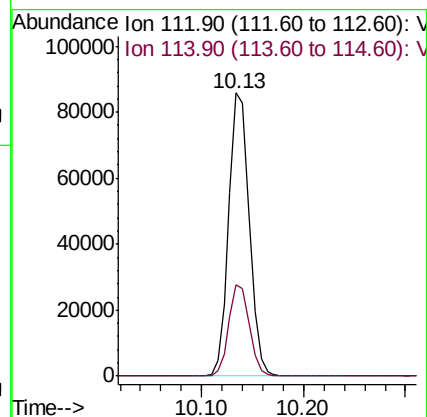
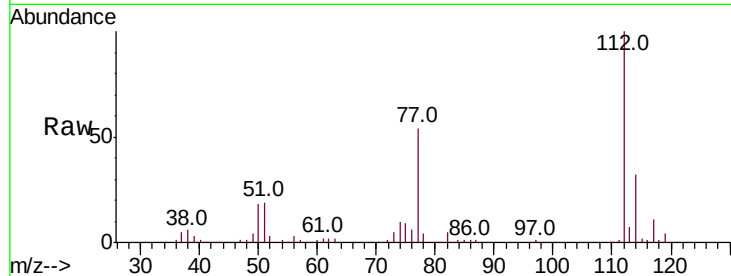
114 32.3 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.793 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

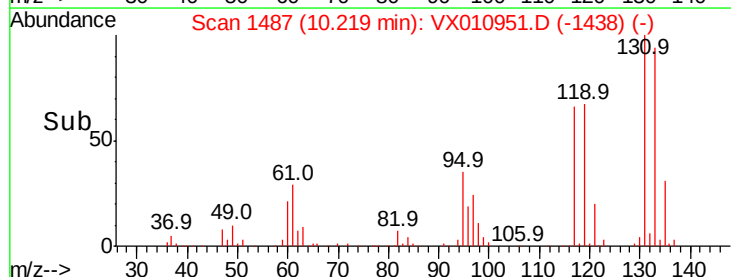
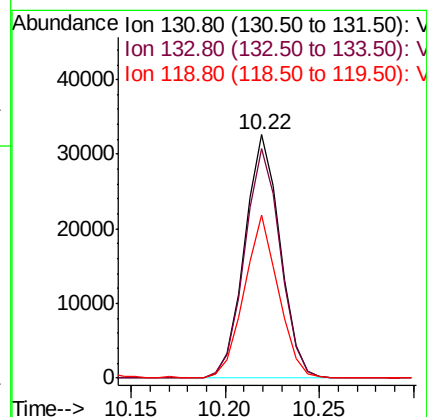
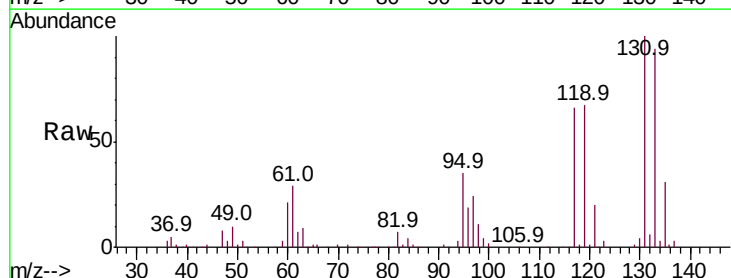
Tgt Ion:131 Resp: 42534

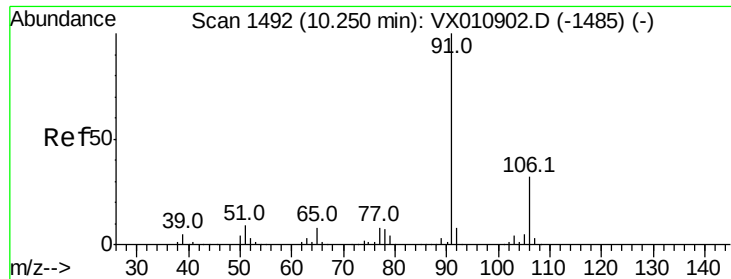
Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

119 64.8 32.6 97.7





#67

Ethyl Benzene

Concen: 19.855 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VX0718MBS01

Tot Ion: 91 Resp: 206639

Ion Ratio Lower Upper

91 100

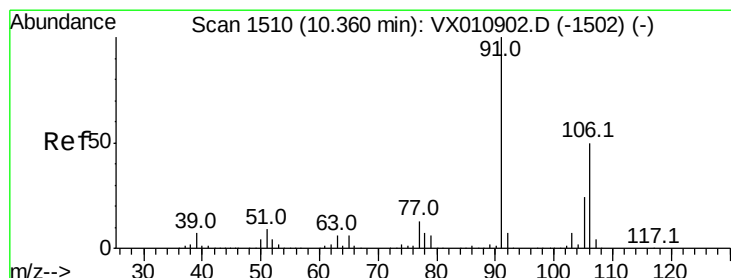
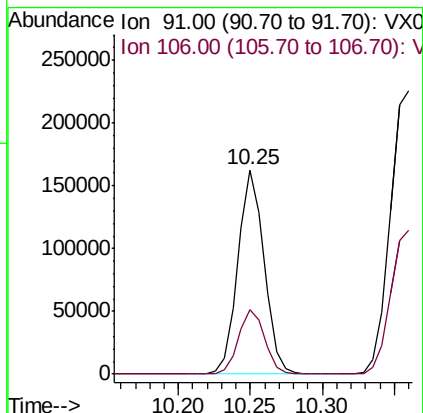
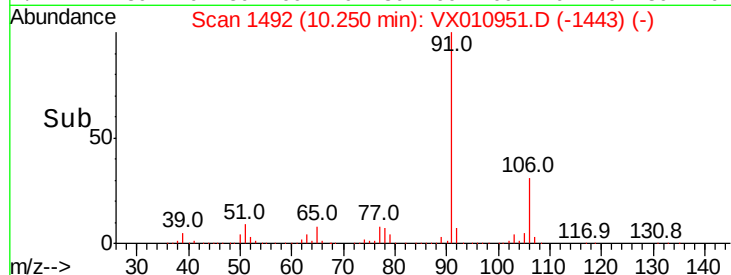
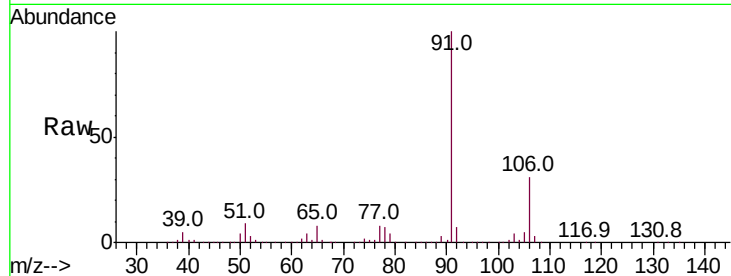
106 31.4 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.924 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010951.D

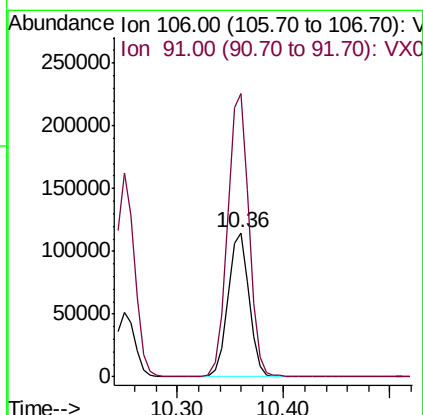
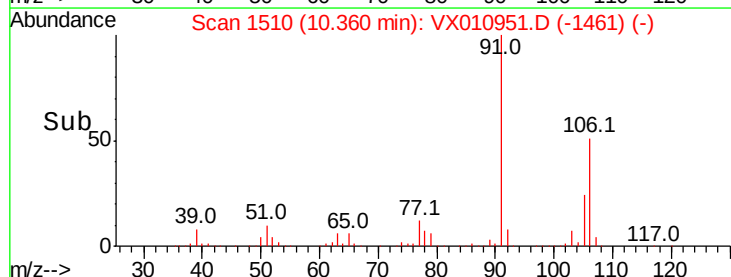
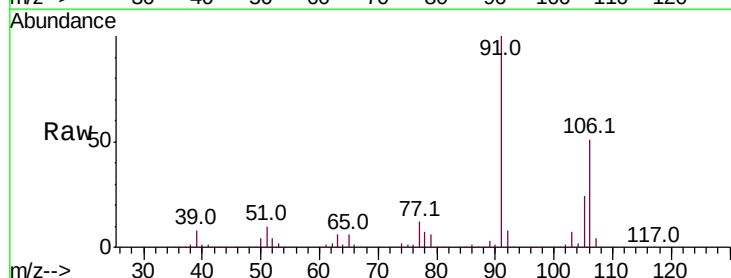
Acq: 18 Jul 2019 12:16

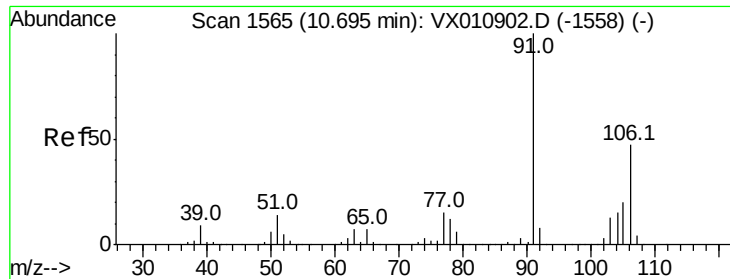
Tgt Ion: 106 Resp: 159381

Ion Ratio Lower Upper

106 100

91 198.1 155.3 232.9





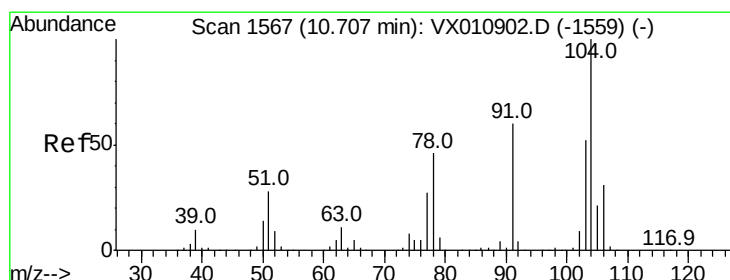
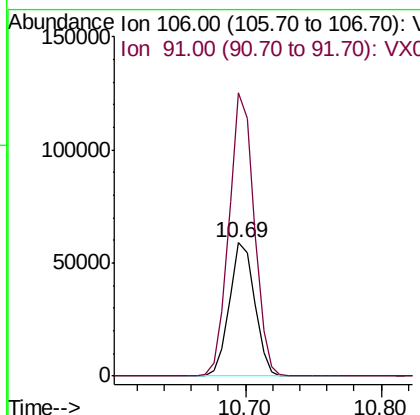
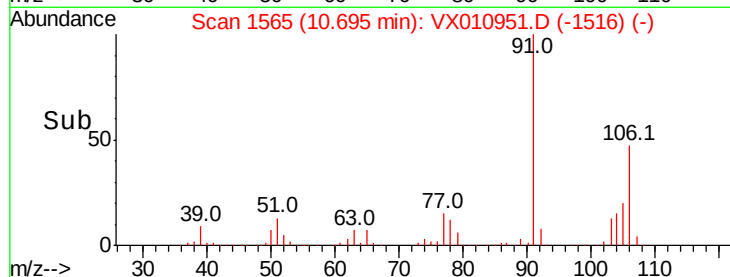
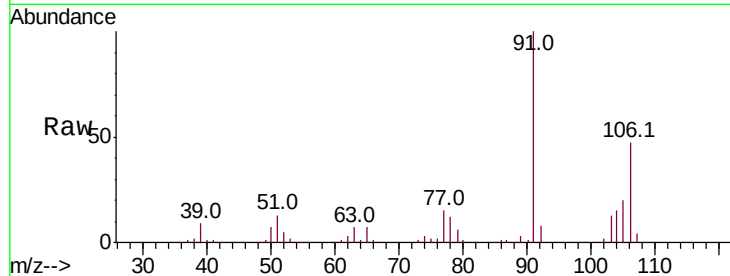
#69
o-Xylene
Concen: 19.710 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampled :
VX0718MBS01

Tot Ion:106 Resp: 76791
Ion Ratio Lower Upper
106 100
91 209.8 102.7 308.1

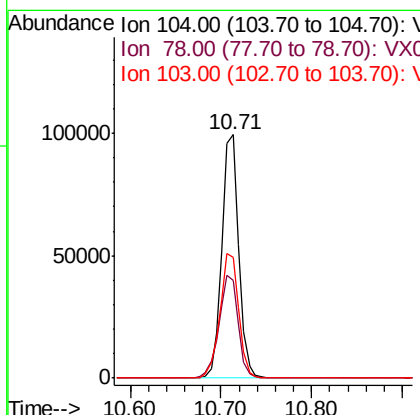
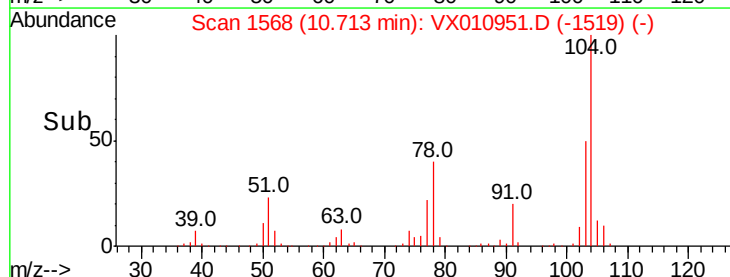
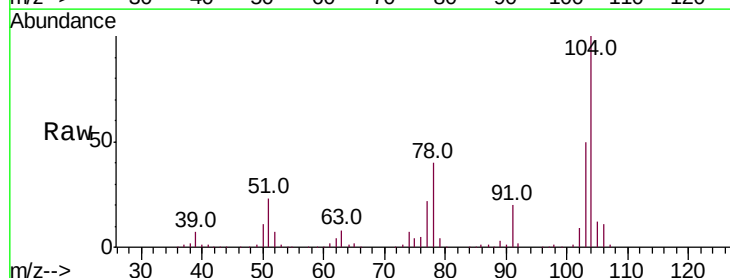
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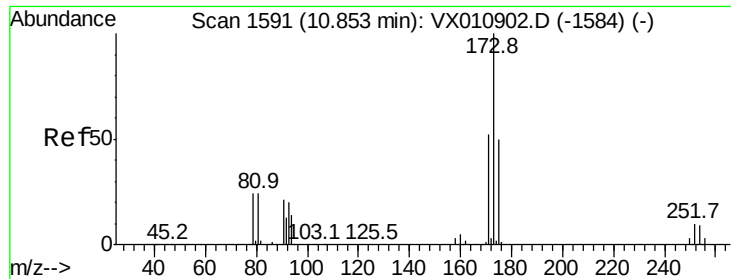
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#70
Styrene
Concen: 19.924 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion:104 Resp: 129404
Ion Ratio Lower Upper
104 100
78 47.6 36.2 54.2
103 56.8 44.2 66.4





#71

Bromoform

Concen: 18.324 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion:173 Resp: 32523

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.3

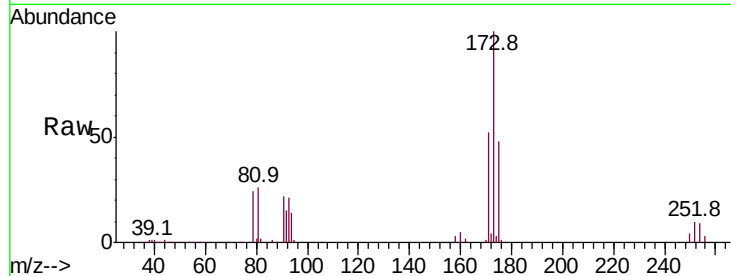
254 0.1 0.2 0.2#

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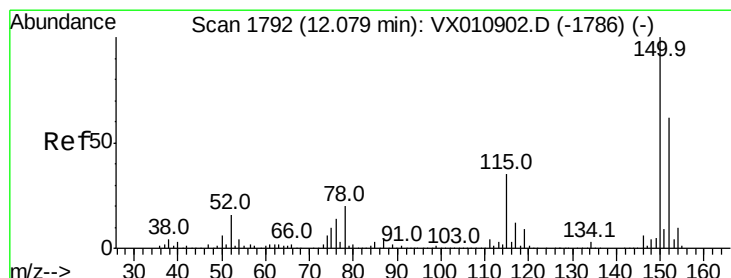
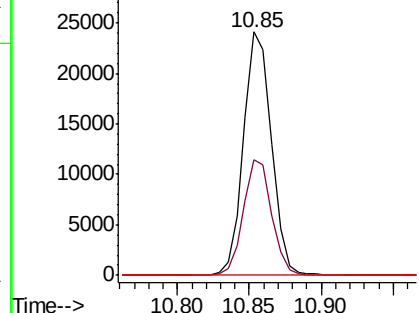
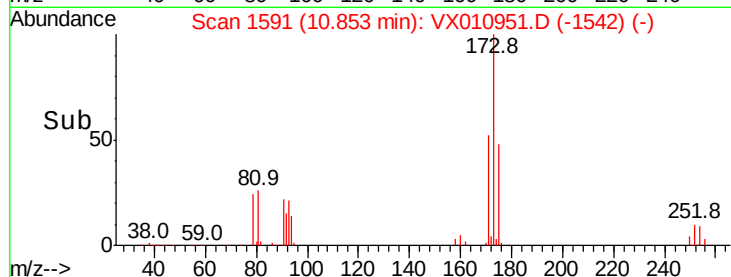
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX010951.D

Acq: 18 Jul 2019 12:16

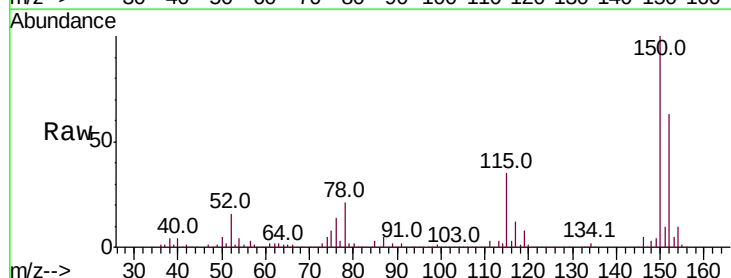
Tgt Ion:152 Resp: 151917

Ion Ratio Lower Upper

152 100

115 65.8 38.6 115.7

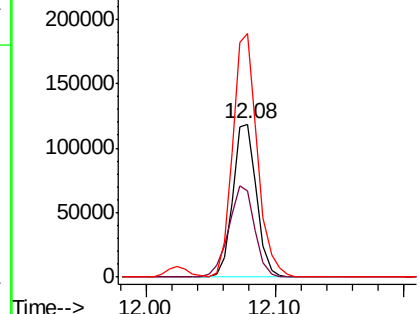
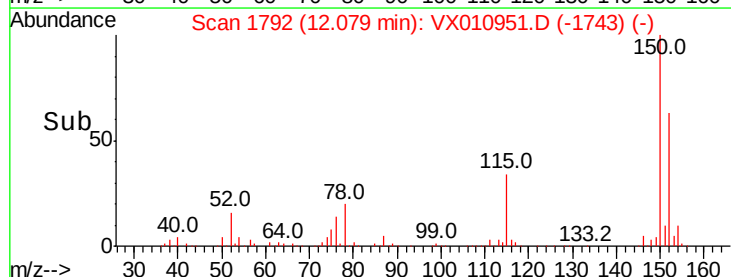
150 166.0 0.0 347.4

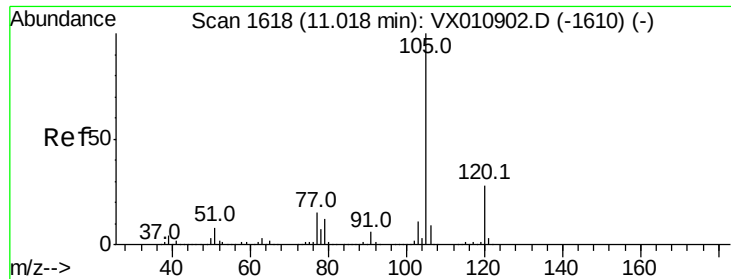


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.250 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion:105 Resp: 207865

Ion Ratio Lower Upper

105 100

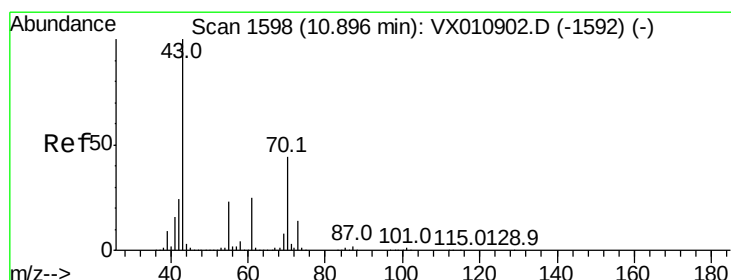
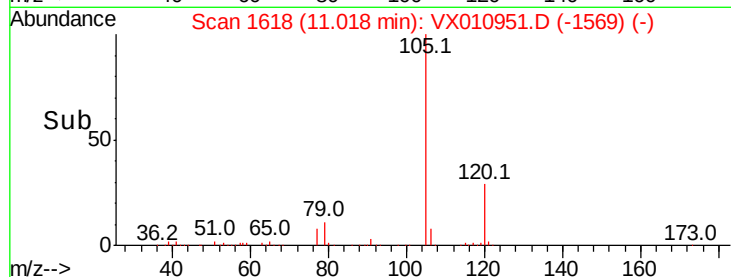
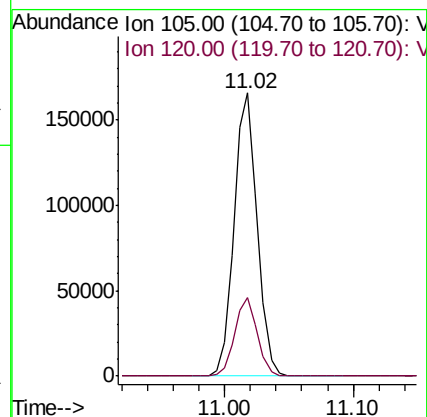
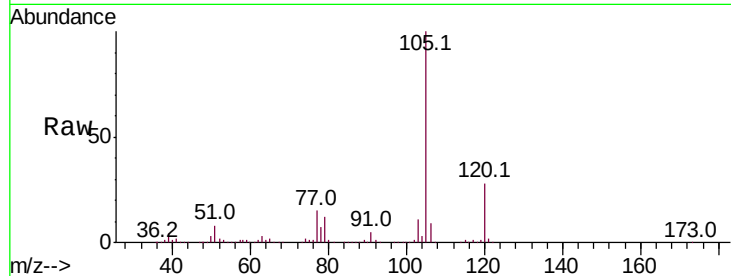
120 27.2 14.1 42.4

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#74

N-ethyl acetate

Concen: 20.096 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Tgt Ion: 43 Resp: 78822

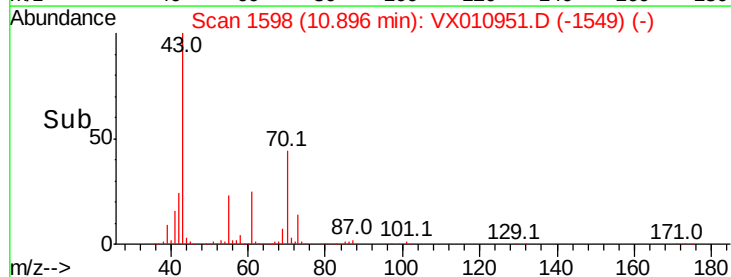
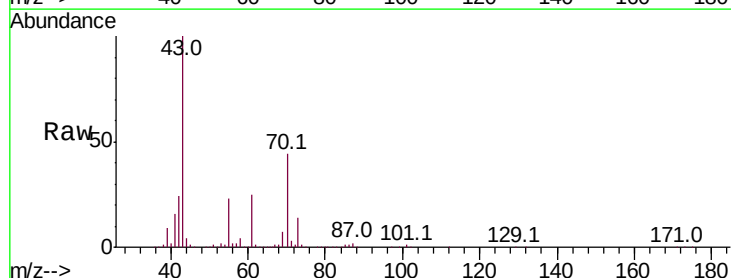
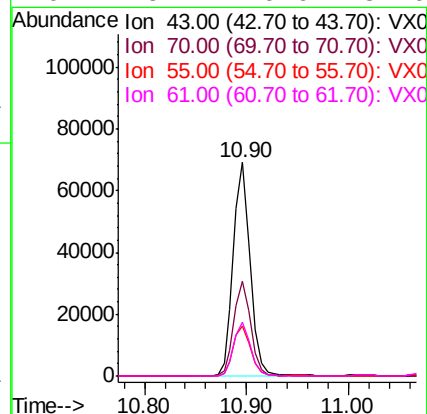
Ion Ratio Lower Upper

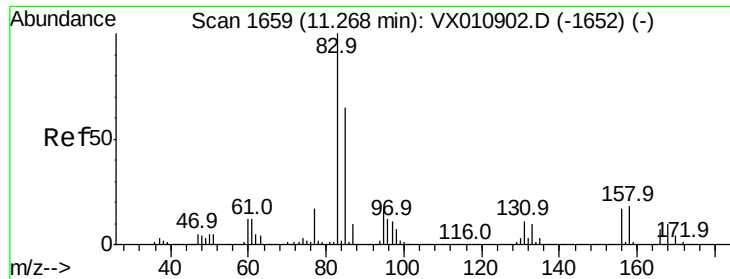
43 100

70 44.7 36.6 54.8

55 24.2 18.7 28.1

61 25.2 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.382 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

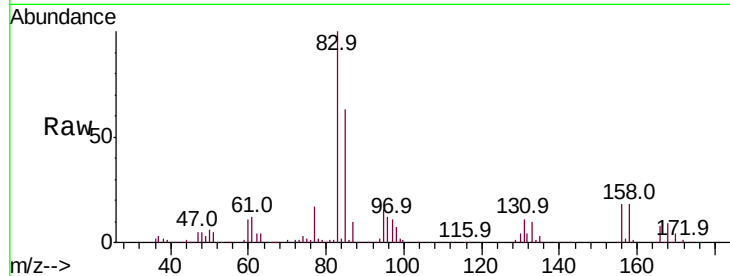
ClientSampleId :

VX0718MBS01

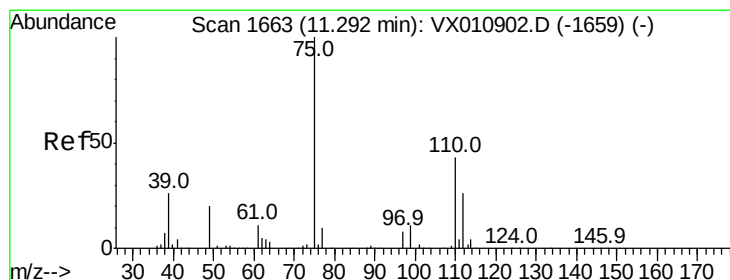
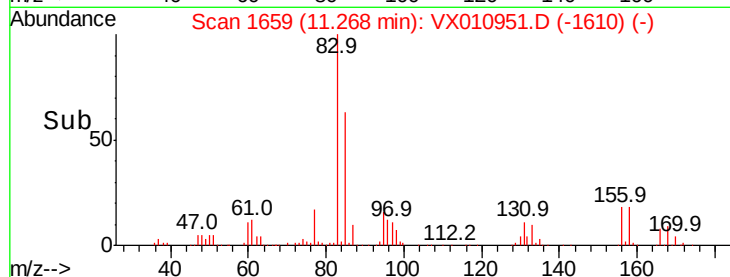
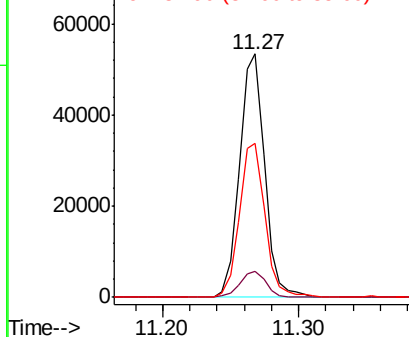
Tot Ion:	83	Resp:	68468
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.8	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.395 ug/l m

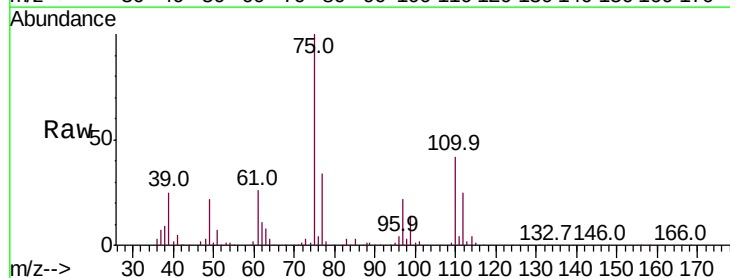
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

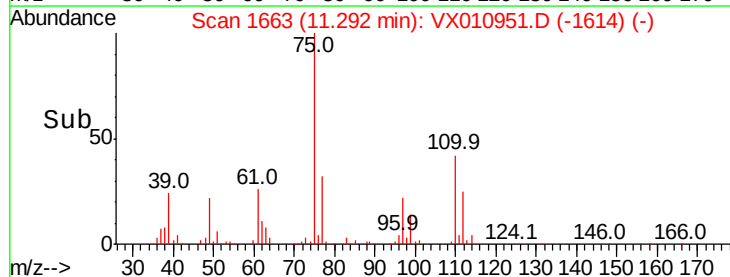
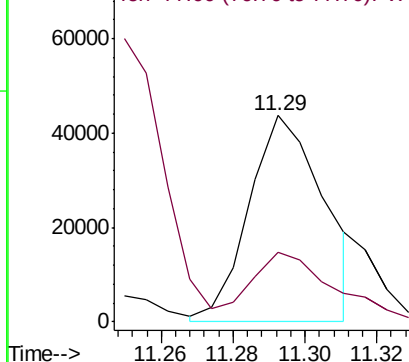
Lab File: VX010951.D

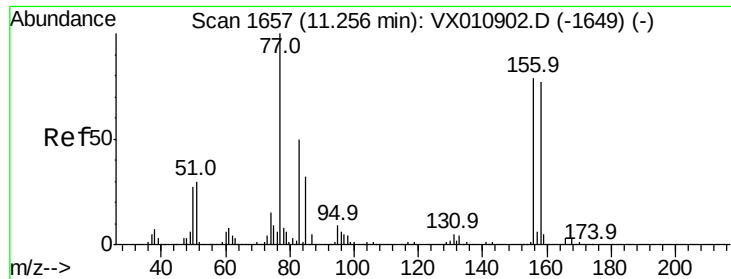
Acq: 18 Jul 2019 12:16

Tgt Ion:	75	Resp:	63083
Ion Ratio	Lower	Upper	
75	100		
77	37.5	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.796 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

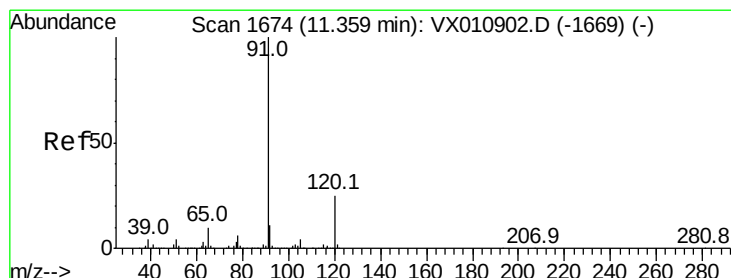
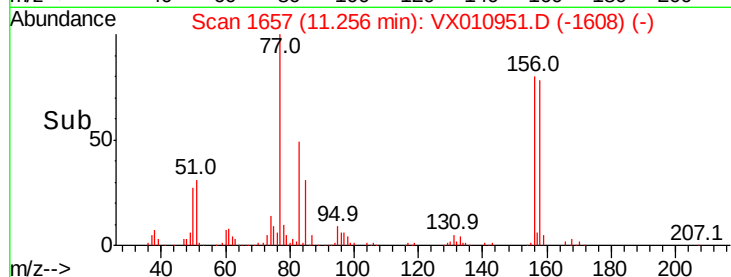
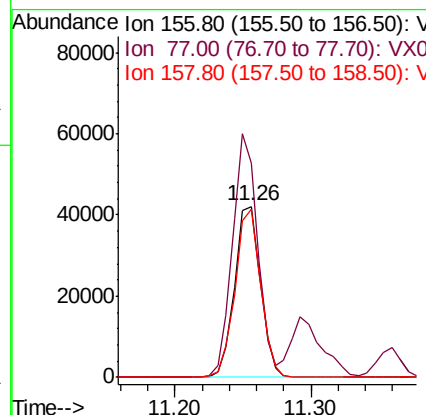
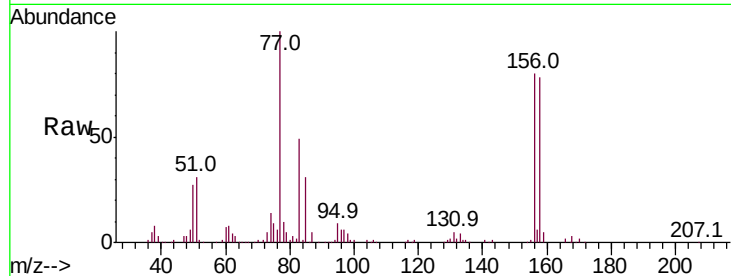
ClientSampleId :

VX0718MBS01

Tot Ion:	156	Resp:	56050
Ion	Ratio	Lower	Upper
156	100		
77	137.9	66.3	198.7
158	96.6	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 20.216 ug/l

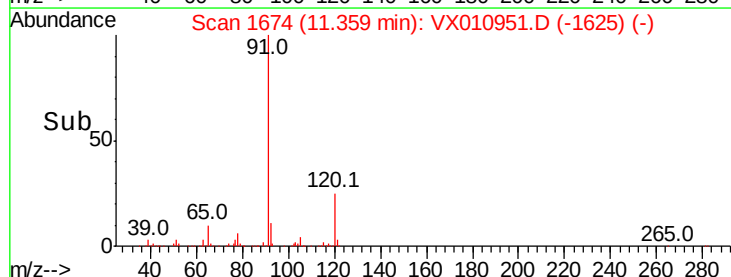
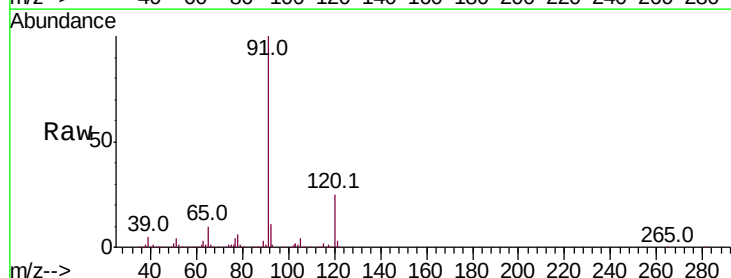
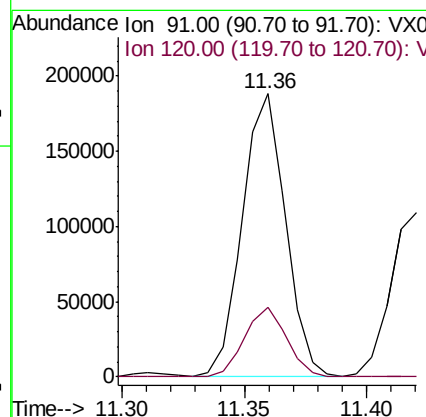
RT: 11.36 min Scan# 1674

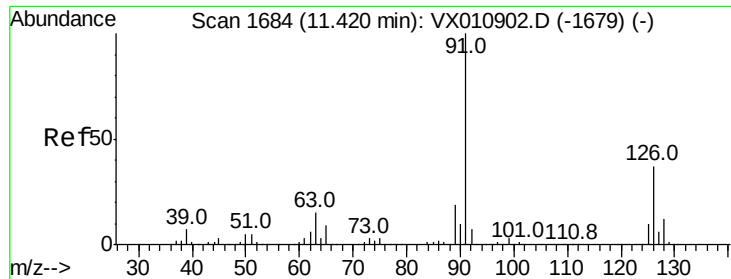
Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Tgt Ion:	91	Resp:	229287
Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.4	37.4





#79

2-Chlorotoluene

Concen: 20.075 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VX0718MBS01

Tot Ion: 91 Resp: 136781

Ion Ratio Lower Upper

91 100

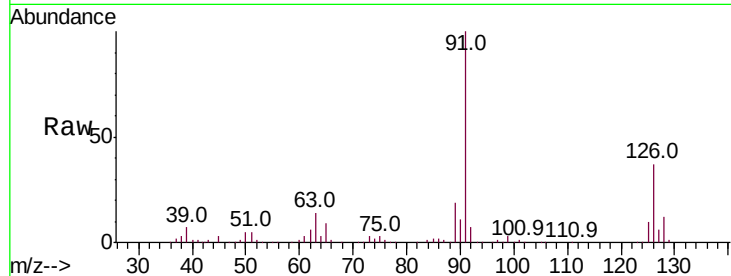
126 36.6 18.7 56.1

Manual Integrations

APPROVED

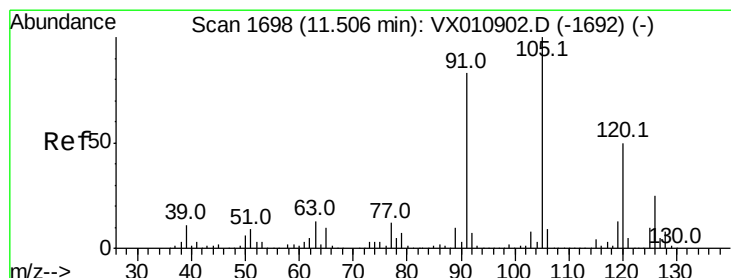
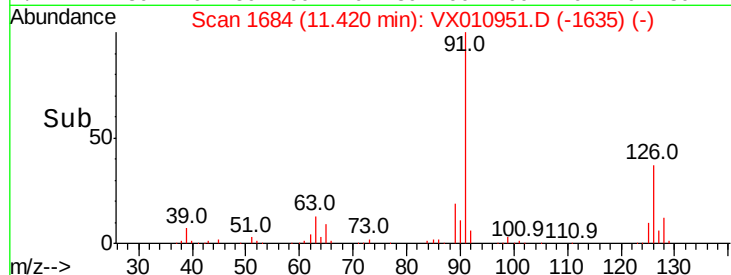
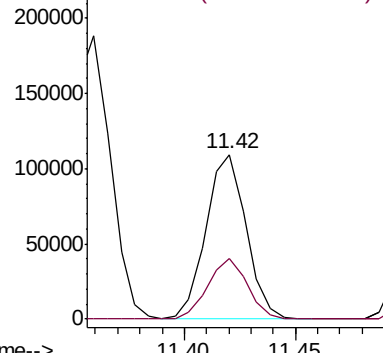
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.267 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010951.D

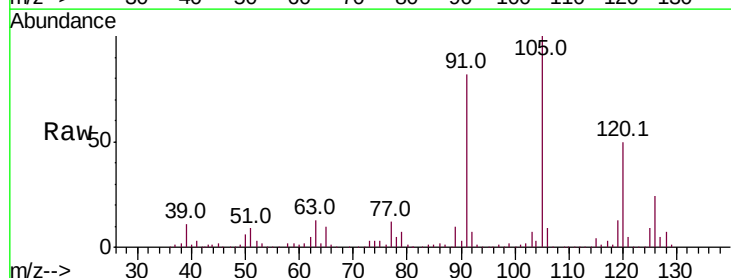
Acq: 18 Jul 2019 12:16

Tgt Ion:105 Resp: 173842

Ion Ratio Lower Upper

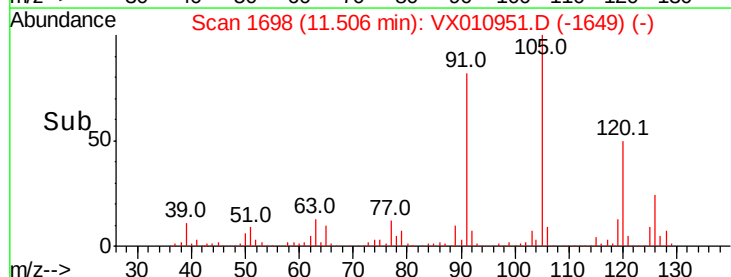
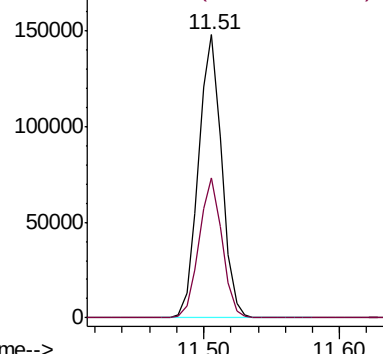
105 100

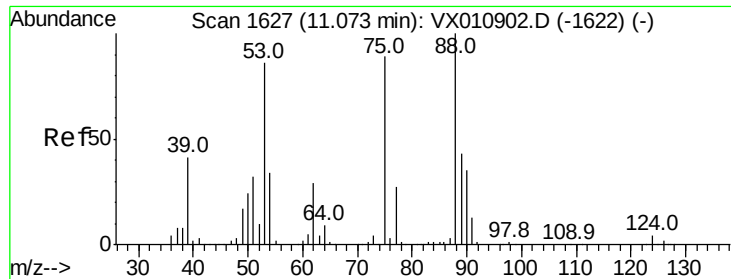
120 48.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





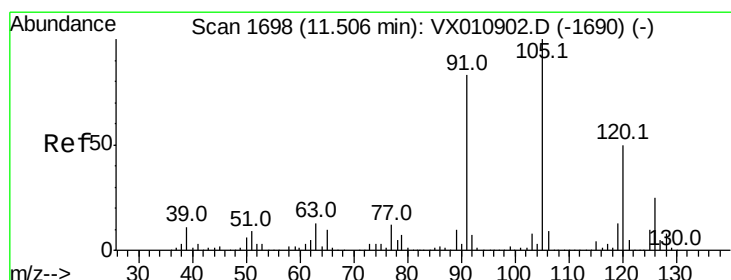
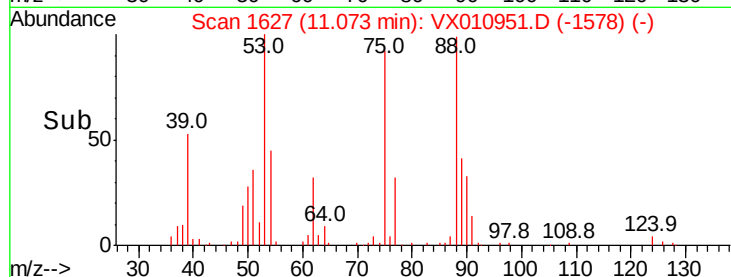
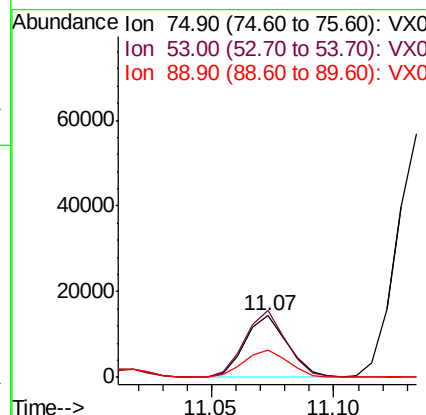
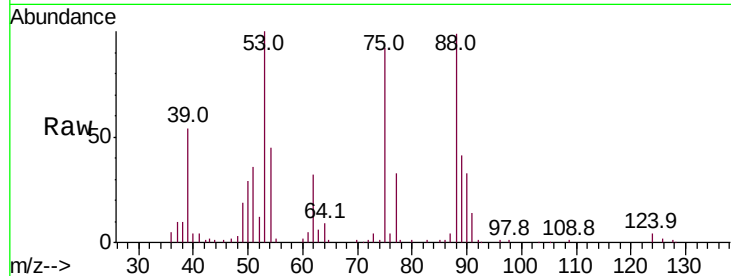
#81
trans-1,4-Dichloro-2-butene
Concen: 19.001 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.9	66.1	99.1#
89	46.2	37.8	56.6

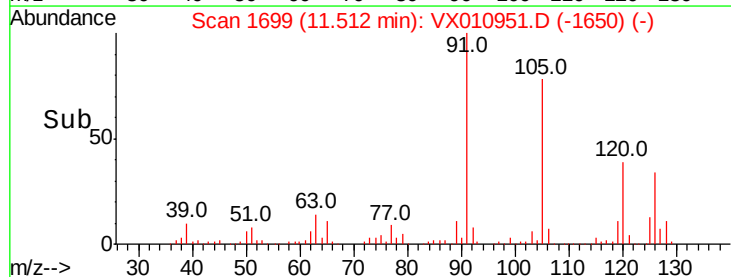
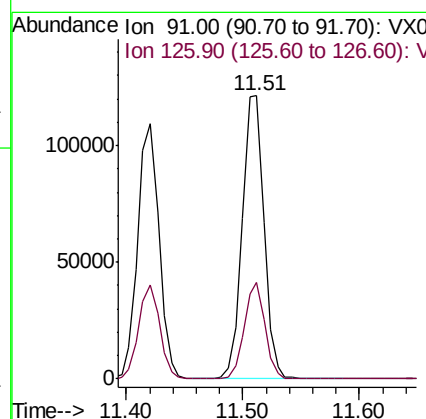
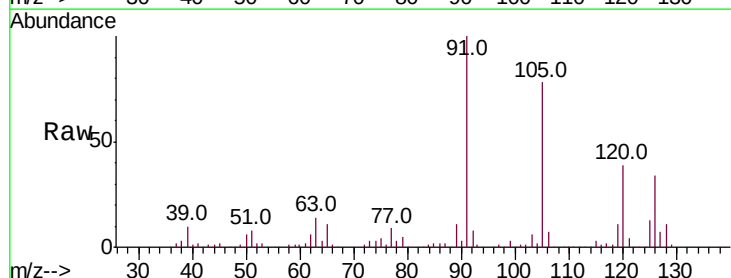
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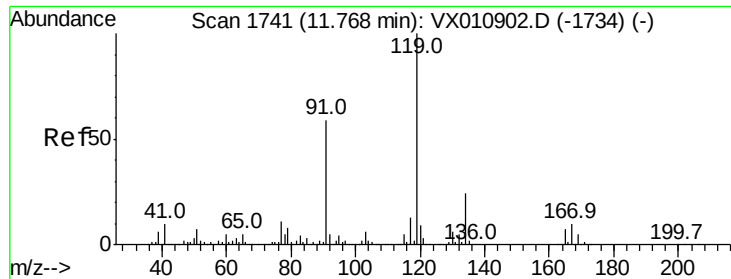
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#82
4-Chlorotoluene
Concen: 19.931 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.6





#83

tert-Butylbenzene

Concen: 20.238 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

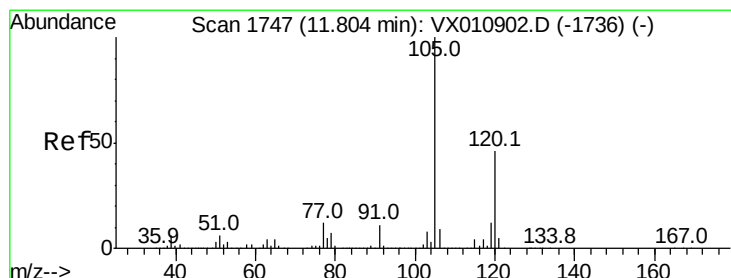
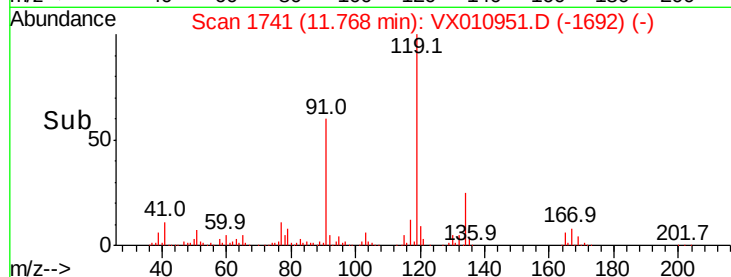
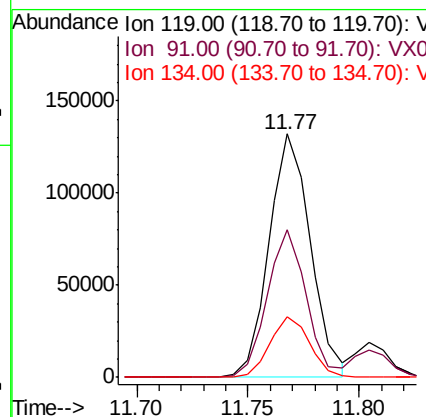
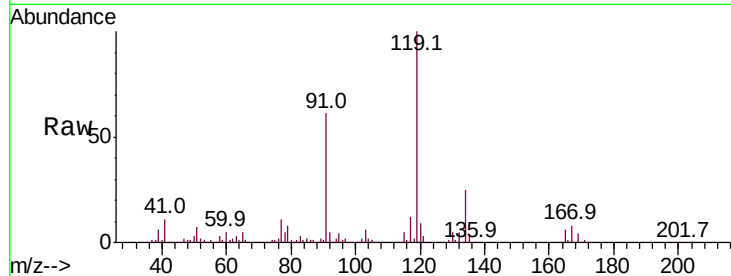
ClientSampleId :

VX0718MBS01

Tot Ion:	119	Resp:	170512
Ion Ratio	Lower	Upper	
119	100		
91	57.4	27.6	82.7
134	24.0	11.8	35.4

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#84

1,2,4-Trimethylbenzene

Concen: 20.258 ug/l

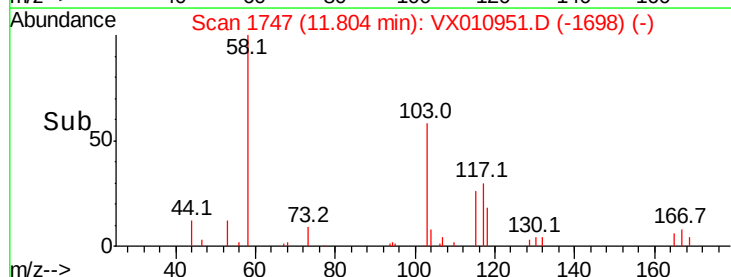
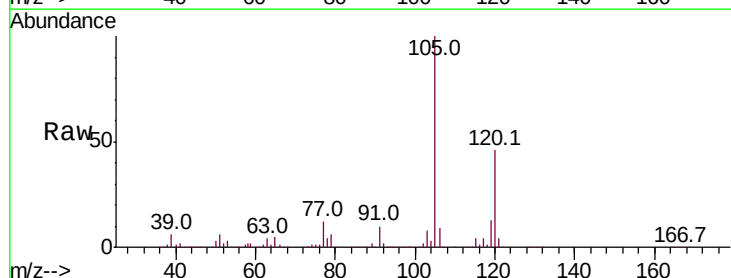
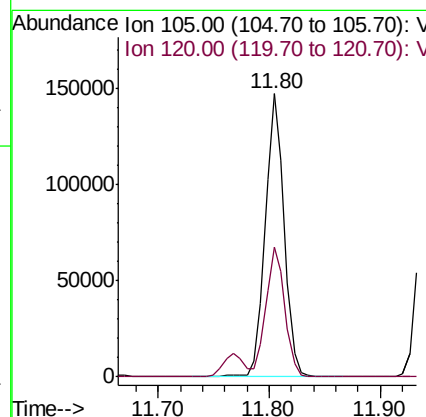
RT: 11.80 min Scan# 1747

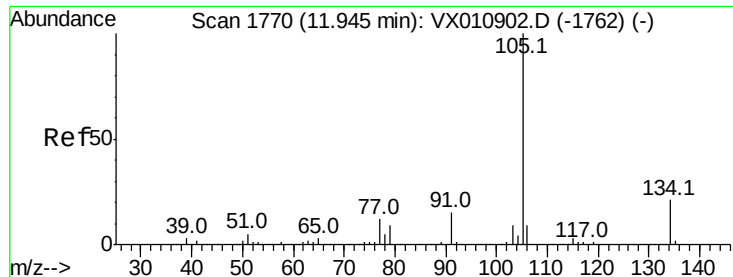
Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Tgt Ion:	105	Resp:	175131
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.672 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VX0718MBS01

Tot Ion:105 Resp: 204075

Ion Ratio Lower Upper

105 100

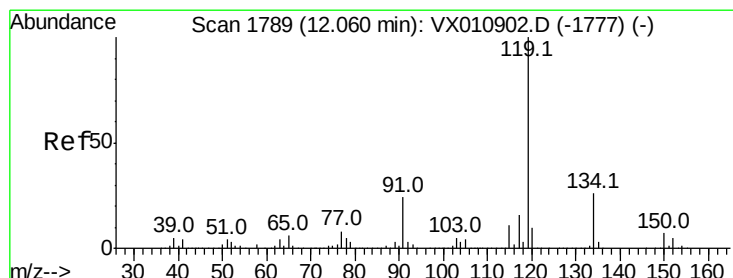
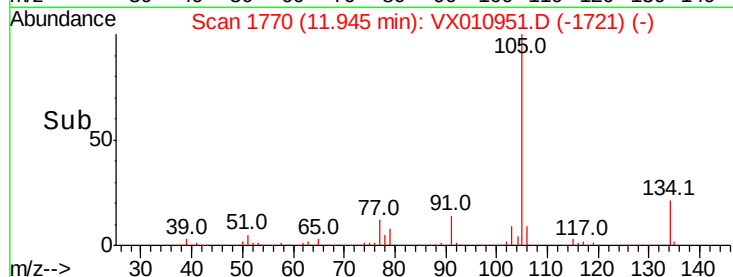
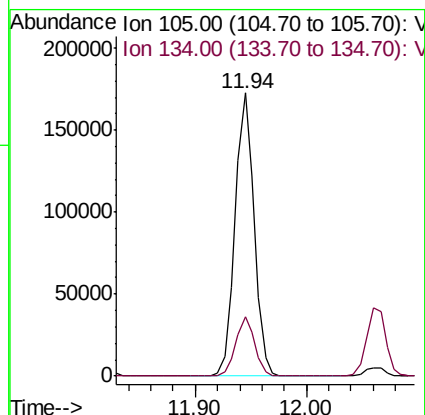
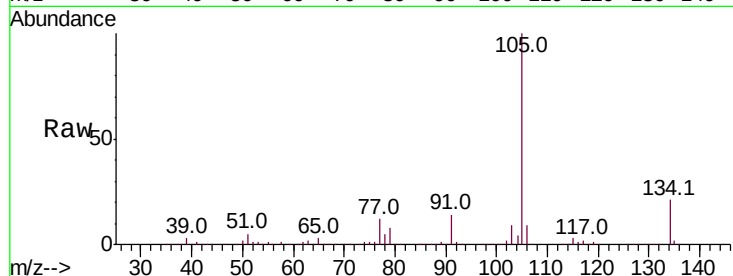
134 20.8 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.308 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010951.D

Acq: 18 Jul 2019 12:16

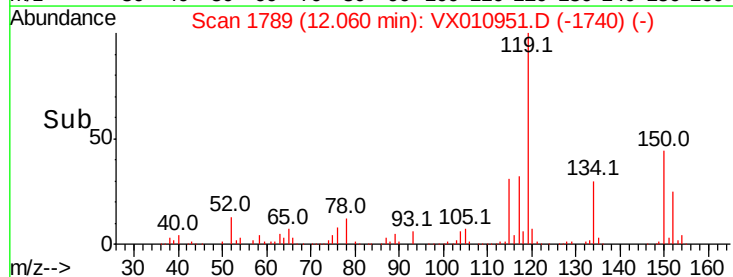
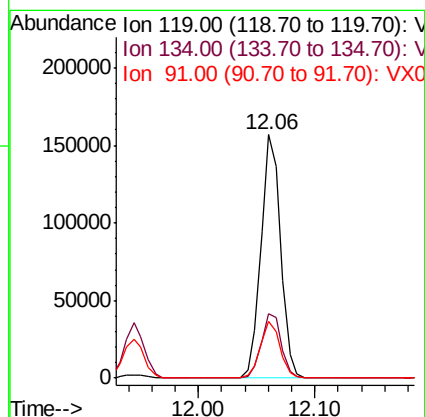
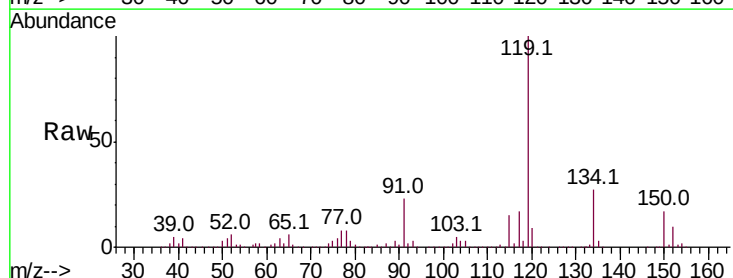
Tgt Ion:119 Resp: 185348

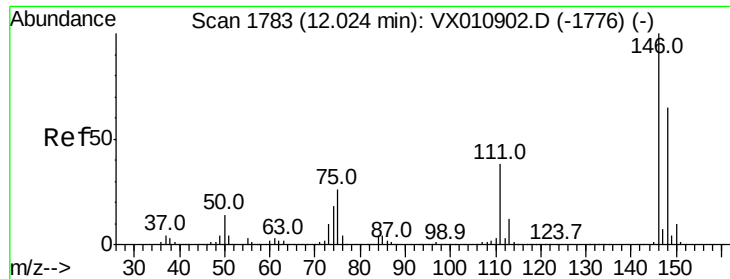
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 23.6 11.3 33.8





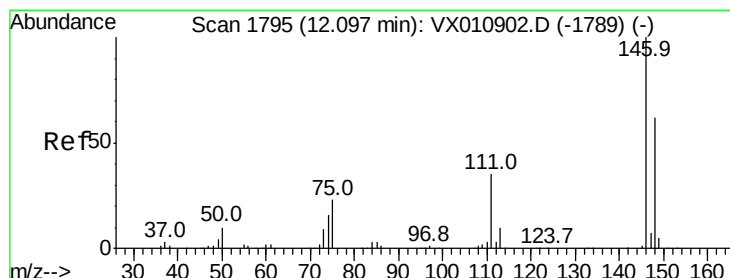
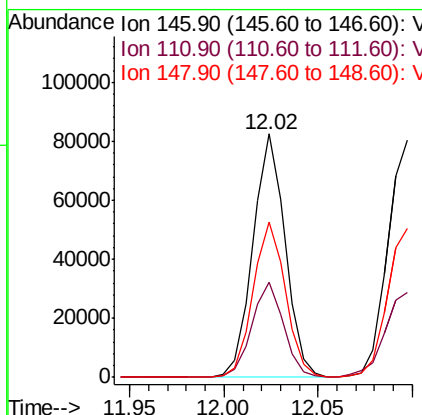
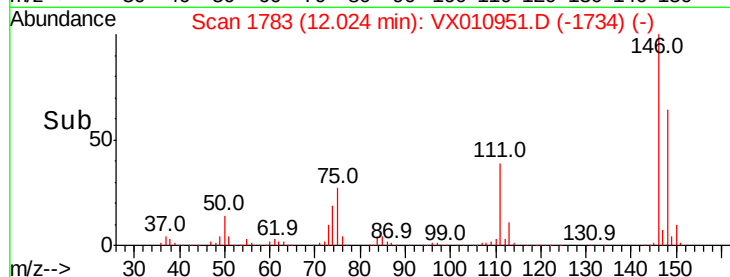
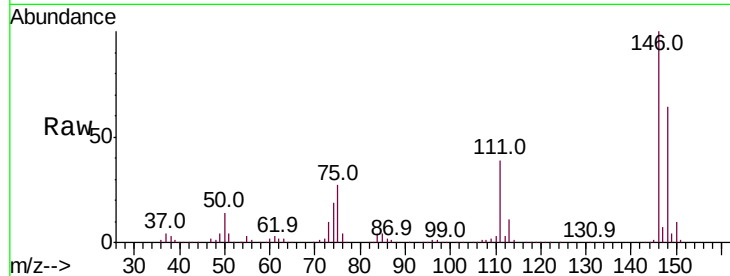
#87
 1,3-Dichlorobenzene
 Concen: 19.920 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	64.2	32.5	97.4

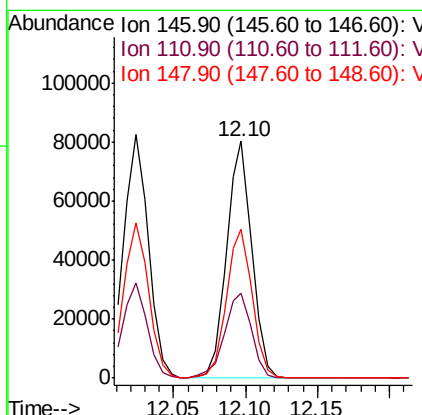
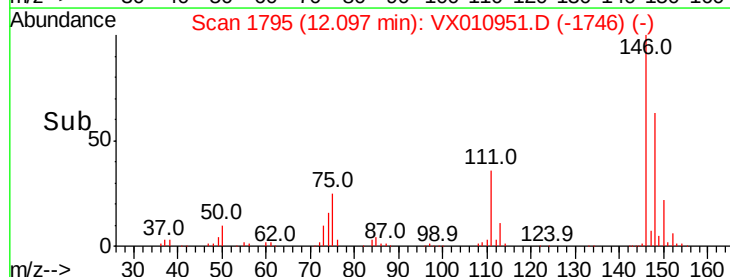
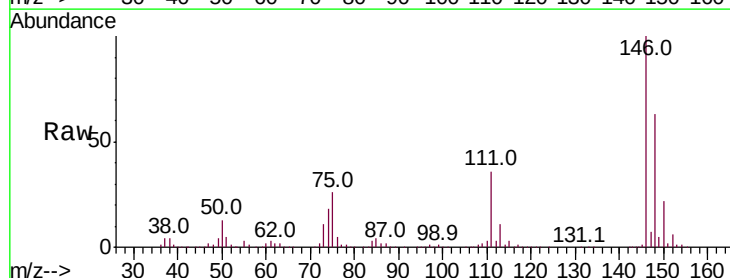
Manual Integrations
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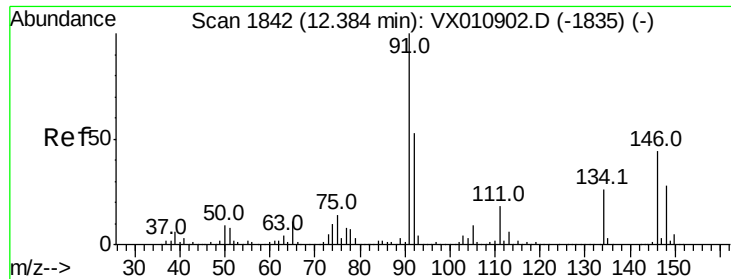
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#88
 1,4-Dichlorobenzene
 Concen: 19.678 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.3
148	64.1	32.1	96.3





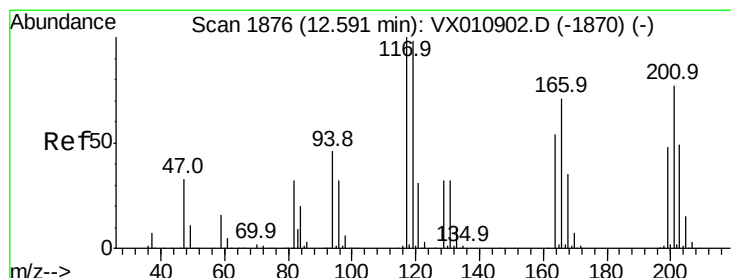
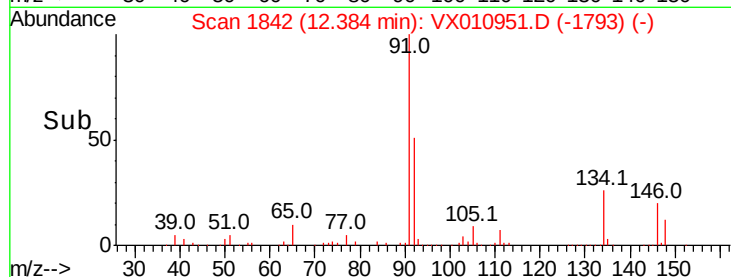
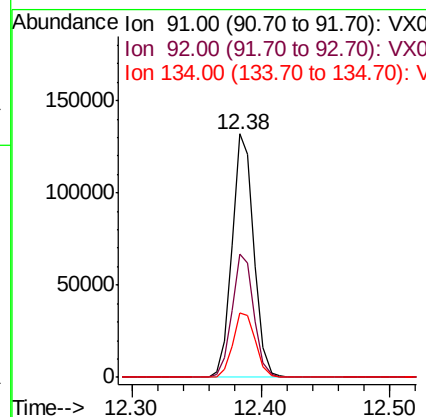
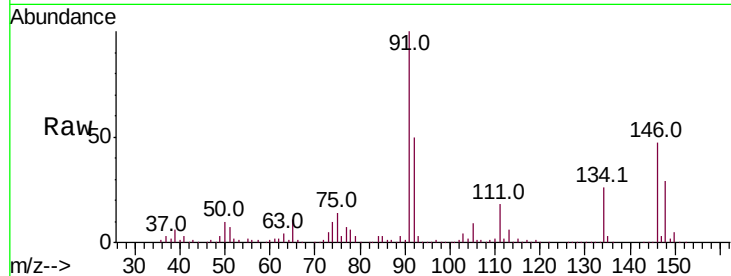
#89
n-Butylbenzene
Concen: 20.094 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.2	78.5
134	27.5	14.1	42.4

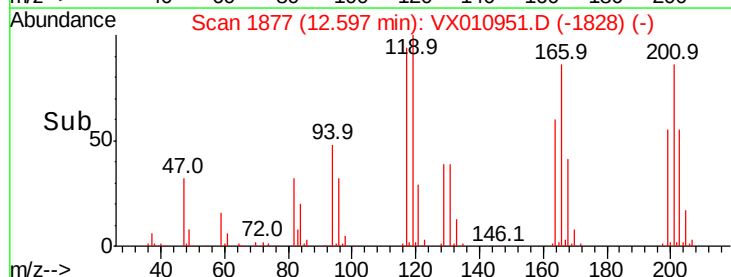
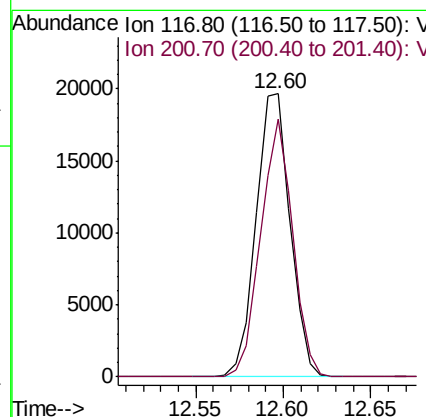
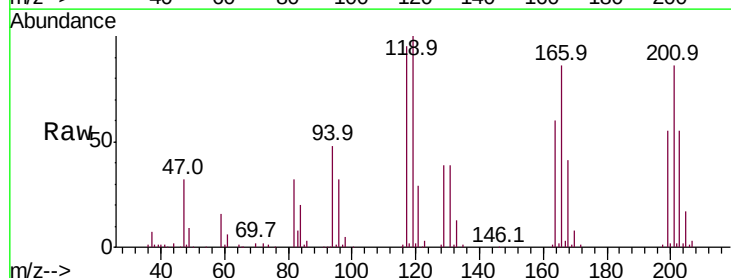
Manual Integrations
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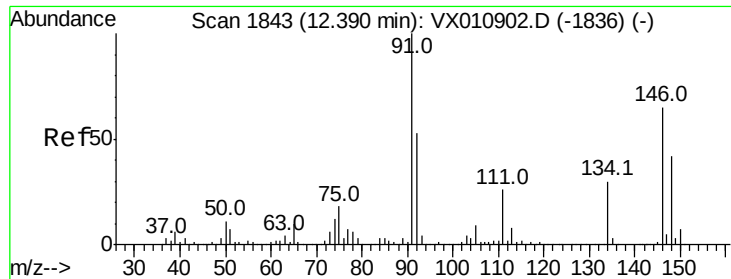
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#90
Hexachloroethane
Concen: 18.494 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	44.0	131.8





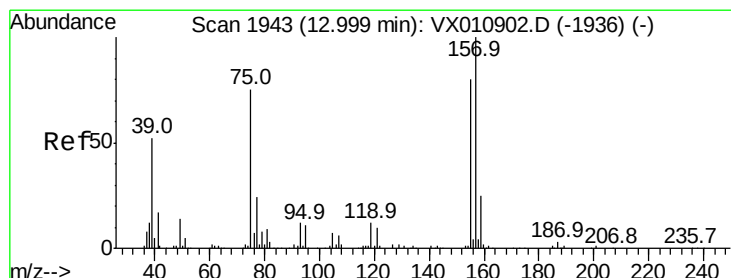
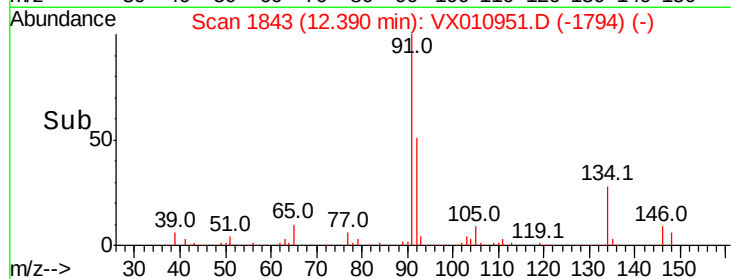
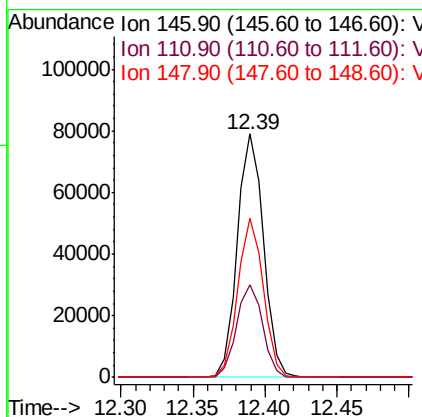
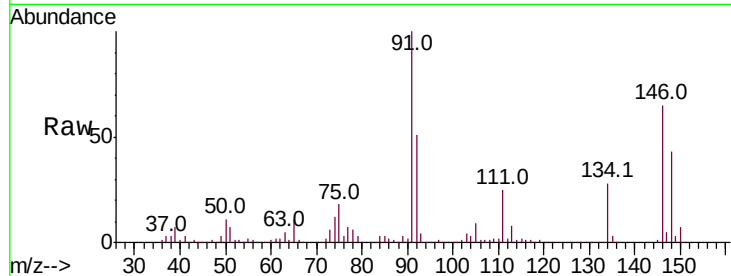
#91
 1,2-Dichlorobenzene
 Concen: 20.558 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	63.9	32.0	96.0

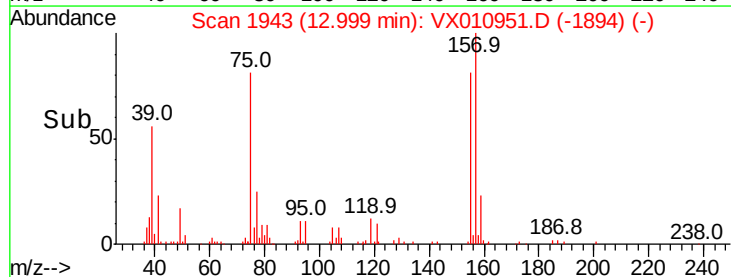
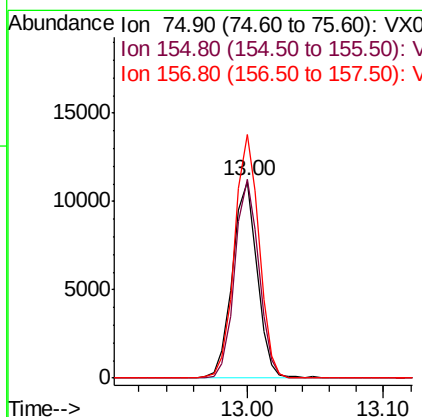
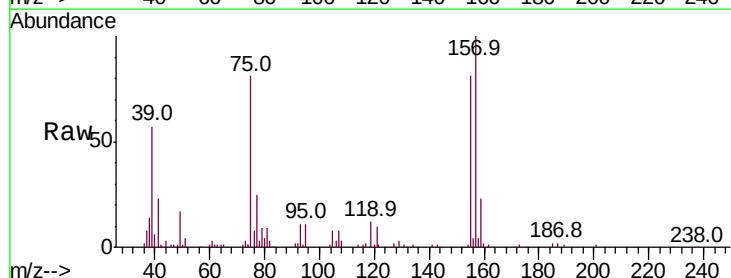
Manual Integrations
 APPROVED

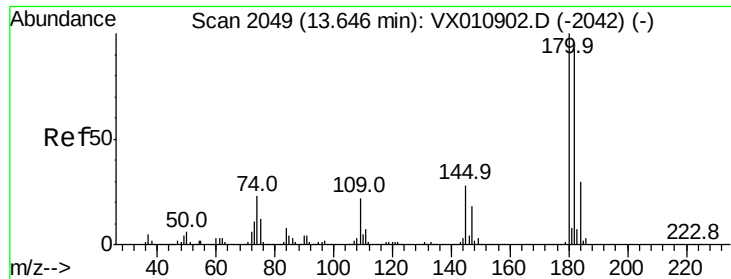
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.180 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	54.4	163.1
157	121.7	69.5	208.3





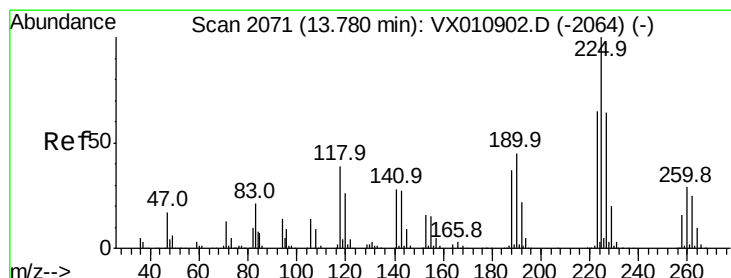
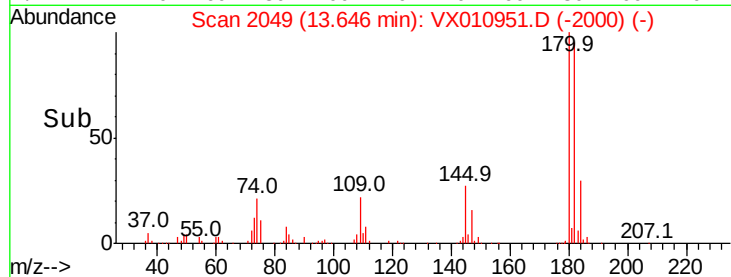
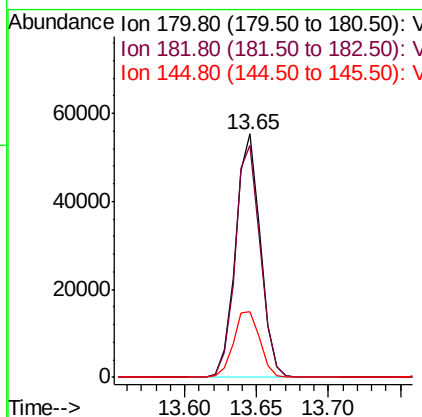
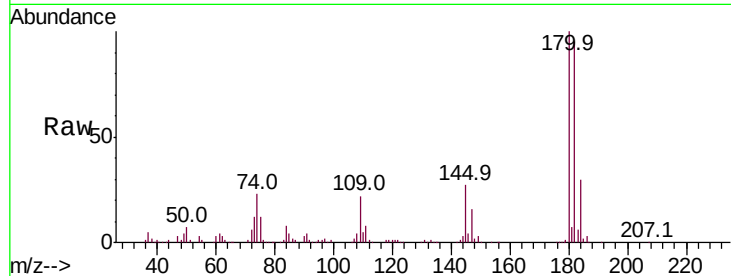
#93
 1,2,4-Trichlorobenzene
 Concen: 20.184 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0718MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66615		
182	96.5	48.0	144.0	
145	28.9	14.4	43.4	

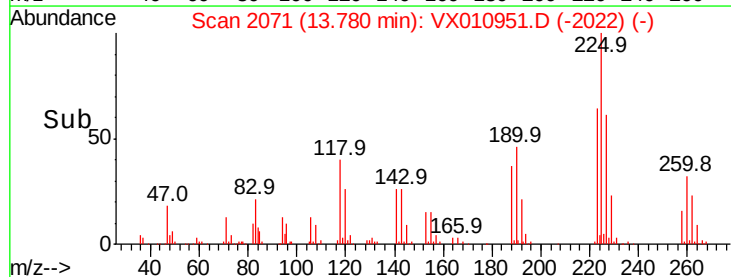
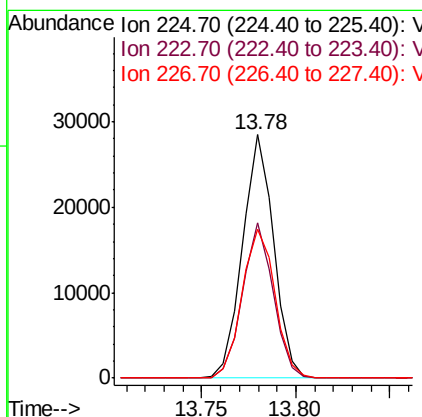
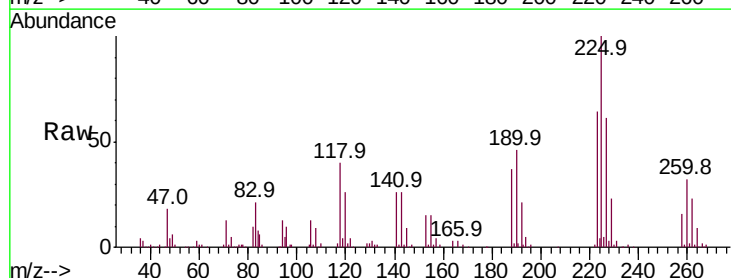
Manual Integrations
 APPROVED

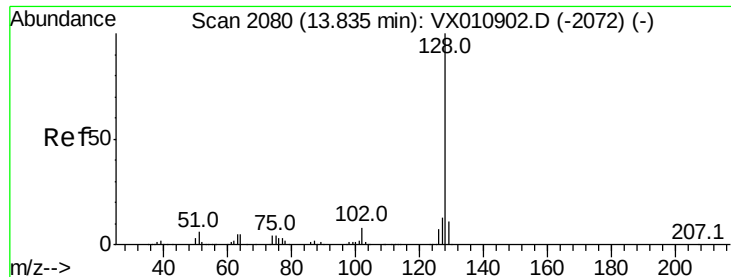
MMDadoda
 7/22/2019 12:03:29 PM



#94
 Hexachlorobutadiene
 Concen: 19.972 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010951.D
 Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32664		
223	62.8	30.9	92.7	
227	64.8	31.9	95.5	





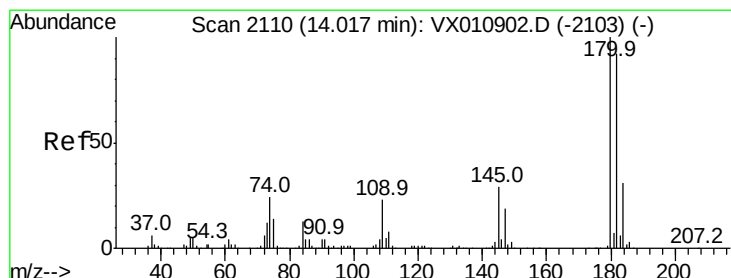
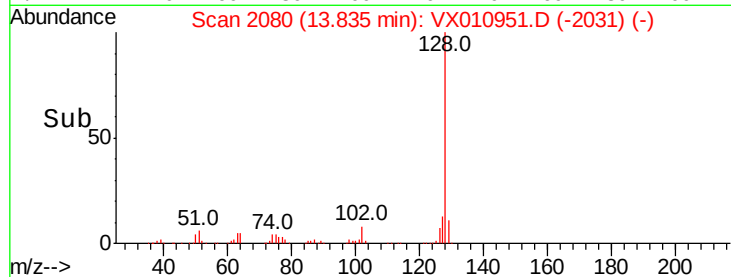
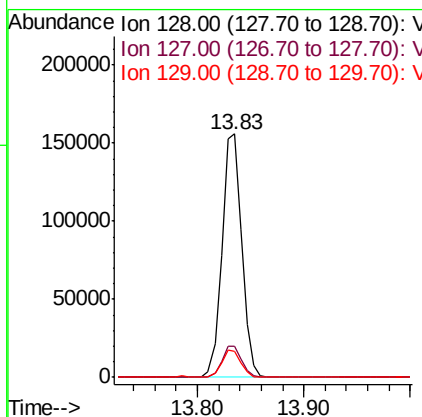
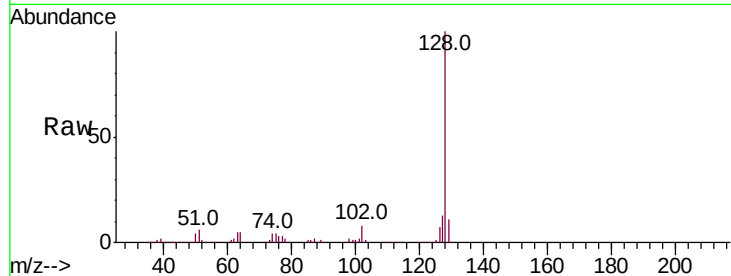
#95
Naphthalene
Concen: 20.718 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VX0718MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	201912		
127	12.8		10.2	15.4
129	10.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/22/2019 12:03:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.718 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010951.D
Acq: 18 Jul 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68033		
182	93.1		47.8	143.3
145	30.6		15.2	45.6

