

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\
 Data File : VX011302.D
 Acq On : 02 Aug 2019 14:10
 Operator : JC/SP
 Sample : VX0802WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 12:11:31 PM

Quant Time: Aug 03 06:42:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	149455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	219762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	199564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	75887	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	5.49	113	70025	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	8.71	98	268812	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	93651	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21799	18.885	ug/l	100
3) Chloromethane	1.32	50	24837	19.161	ug/l	99
4) Vinyl Chloride	1.40	62	27889	19.560	ug/l	99
5) Bromomethane	1.63	94	22200	21.831	ug/l	96
6) Chloroethane	1.71	64	19928	21.059	ug/l	100
7) Trichlorofluoromethane	1.92	101	48419	19.098	ug/l	99
8) Diethyl Ether	2.18	74	18172	20.074	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	25644	18.694	ug/l	99
10) Methyl Iodide	2.50	142	31791	18.382	ug/l	100
11) Tert butyl alcohol	3.04	59	31554	105.149	ug/l	99
12) 1,1-Dichloroethene	2.37	96	25582	18.813	ug/l	98
13) Acrolein	2.29	56	17727	94.780	ug/l	99
14) Allyl chloride	2.72	41	35556	19.614	ug/l	99
15) Acrylonitrile	3.14	53	72522	101.259	ug/l	99
16) Acetone	2.43	43	61153	85.362	ug/l	97
17) Carbon Disulfide	2.56	76	59434	18.626	ug/l	99
18) Methyl Acetate	2.76	43	32190	19.662	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	75939	18.950	ug/l	96
20) Methylene Chloride	2.85	84	29899	19.057	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	27602	19.189	ug/l	96
22) Diisopropyl ether	3.85	45	77171	19.369	ug/l	98
23) Vinyl Acetate	3.81	43	326491	98.801	ug/l	99
24) 1,1-Dichloroethane	3.69	63	44211	18.818	ug/l	98
25) 2-Butanone	4.67	43	97576	95.750	ug/l	99
26) 2,2-Dichloropropane	4.58	77	32290	17.681	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	31961	19.291	ug/l	96
28) Bromochloromethane	5.01	49	20316	18.969	ug/l	99
29) Tetrahydrofuran	5.12	42	61053	97.709	ug/l	97
30) Chloroform	5.21	83	48854	19.133	ug/l	96
31) Cyclohexane	5.57	56	37439	19.316	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	40987	18.738	ug/l	99
36) 1,1-Dichloropropene	5.79	75	35041	18.263	ug/l	100
37) Ethyl Acetate	4.83	43	35605	18.500	ug/l	97
38) Carbon Tetrachloride	5.77	117	34485	17.864	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	40164	17.660	ug/l	98
40) Benzene	6.13	78	108791	19.001	ug/l	94
41) Methacrylonitrile	5.03	41	20015	19.042	ug/l	97
42) 1,2-Dichloroethane	6.18	62	36672	18.941	ug/l	100
43) Isopropyl Acetate	6.44	43	56905	18.493	ug/l	99
44) Trichloroethene	7.21	130	32248	18.607	ug/l	94
45) 1,2-Dichloropropane	7.51	63	27418	18.490	ug/l	94
46) Dibromomethane	7.66	93	20055	18.527	ug/l	97
47) Bromodichloromethane	7.90	83	33069	18.043	ug/l	98
48) Methyl methacrylate	7.77	41	26928	18.595	ug/l	99
49) 1,4-Dioxane	7.73	88	16453	391.911	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	196609	99.007	ug/l	99
52) Toluene	8.78	92	69991	18.489	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	34098	17.907	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	39149	18.286	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	30026	19.291	ug/l	99
56) Ethyl methacrylate	9.18	69	41756	18.825	ug/l	99
57) 1,3-Dichloropropane	9.37	76	46346	18.828	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	103161	94.591	ug/l	100
59) 2-Hexanone	9.49	43	149573	97.243	ug/l	99
60) Dibromochloromethane	9.58	129	27491	17.252	ug/l	99
61) 1,2-Dibromoethane	9.67	107	31414	18.681	ug/l	99
64) Tetrachloroethene	9.34	164	32747	19.322	ug/l	97
65) Chlorobenzene	10.13	112	79569	18.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	27457	18.743	ug/l	99
67) Ethyl Benzene	10.25	91	136965	19.113	ug/l	99
68) m/p-Xylenes	10.35	106	107440	38.761	ug/l	98
69) o-Xylene	10.69	106	49769	18.274	ug/l	97
70) Styrene	10.71	104	84833	18.825	ug/l	98
71) Bromoform	10.85	173	19813	17.105	ug/l #	100
73) Isopropylbenzene	11.02	105	136872	19.440	ug/l	99
74) N-amyl acetate	10.90	43	49873	19.604	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	46646	19.881	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	38189m	20.370	ug/l	
77) Bromobenzene	11.25	156	38125	19.528	ug/l	99
78) n-propylbenzene	11.36	91	151068	19.294	ug/l	99
79) 2-Chlorotoluene	11.42	91	88925	19.055	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	113188	19.205	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	10793	18.509	ug/l	93
82) 4-Chlorotoluene	11.51	91	104355	19.188	ug/l	100
83) tert-Butylbenzene	11.77	119	110964	19.196	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	114799	19.564	ug/l	100
85) sec-Butylbenzene	11.94	105	132971	19.146	ug/l	100
86) p-Isopropyltoluene	12.06	119	122673	19.200	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	66307	19.222	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	67122	18.870	ug/l	98
89) n-Butylbenzene	12.38	91	101038	18.356	ug/l	99
90) Hexachloroethane	12.59	117	17122	18.126	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	67529	19.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8622	18.967	ug/l	95

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ClientSampleId :
VX0802WBSD01

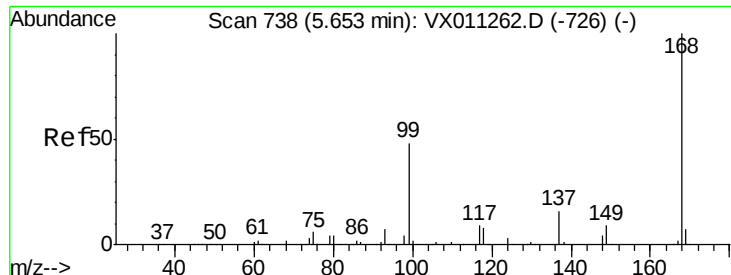
Manual Integrations
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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	43906	19.101	ug/l	99
94) Hexachlorobutadiene	13.78	225	21204	18.182	ug/l	98
95) Naphthalene	13.83	128	135370	20.138	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	45901	19.642	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: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion:168 Resp: 149455

Ion Ratio Lower Upper

168 100

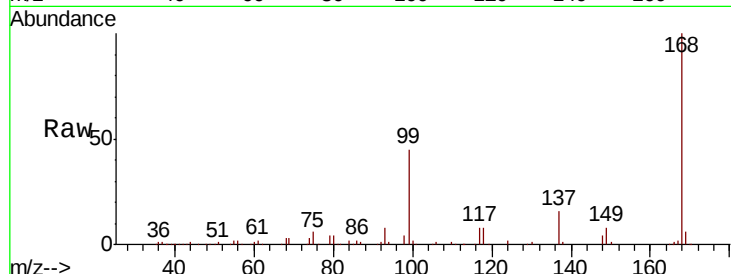
99 44.7 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

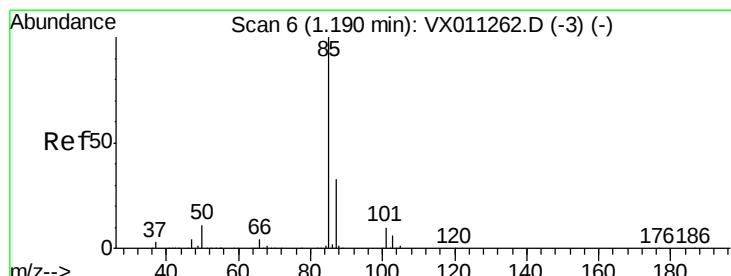
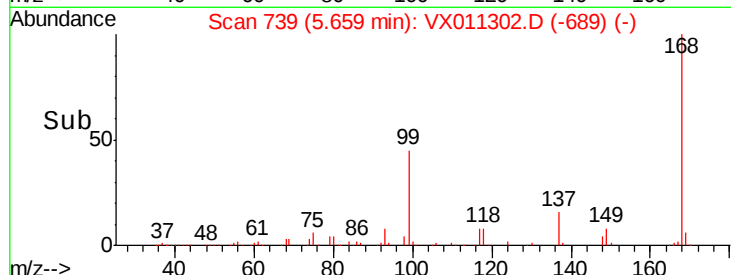
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.885 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011302.D

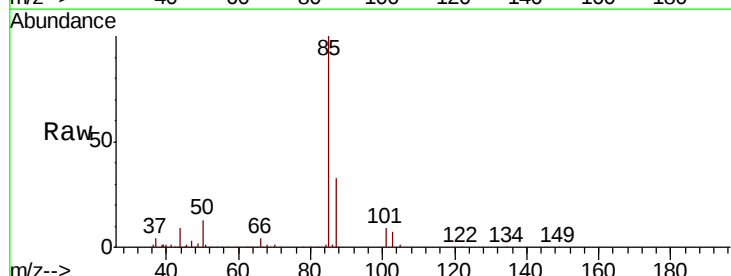
Acq: 02 Aug 2019 14:10

Tgt Ion: 85 Resp: 21799

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

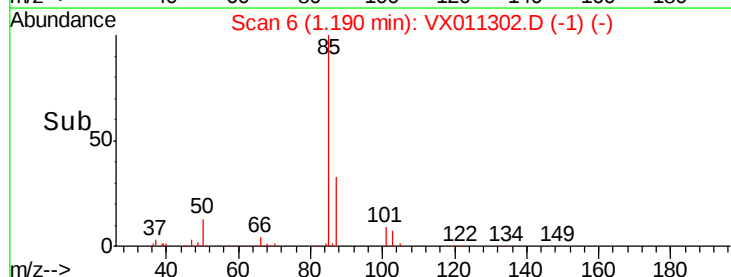
15000

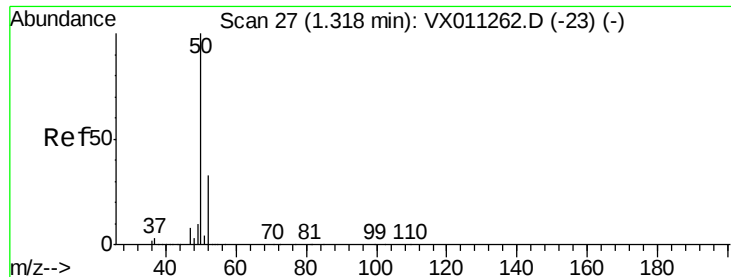
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 19.161 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 50 Resp: 24837

Ion Ratio Lower Upper

50 100

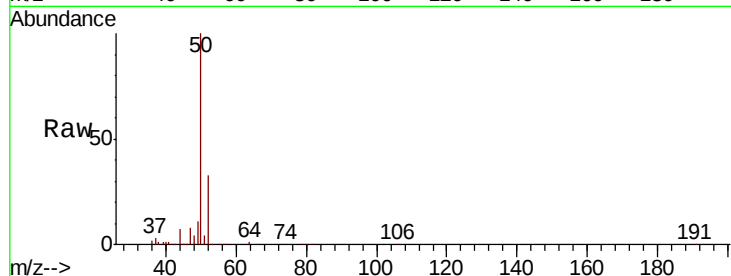
52 33.6 26.4 39.6

Manual Integrations

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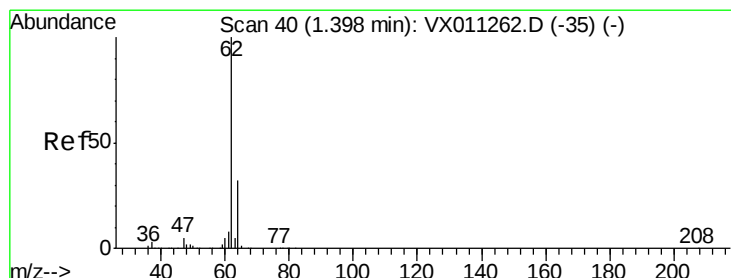
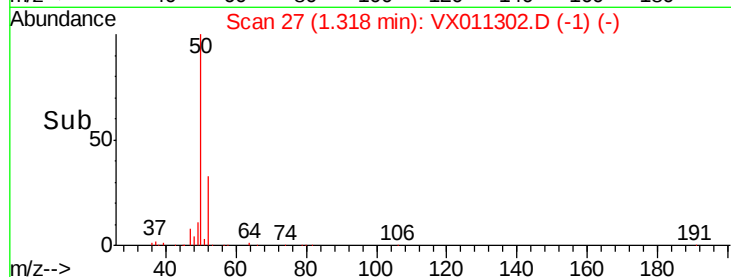
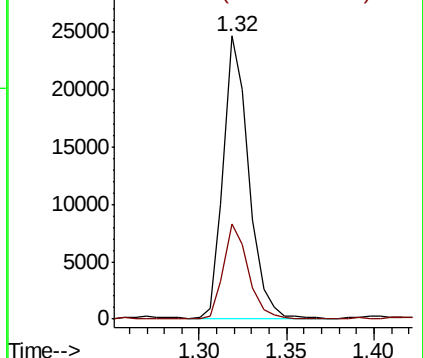
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.560 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011302.D

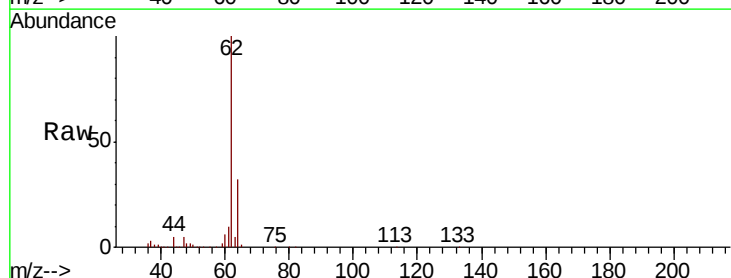
Acq: 02 Aug 2019 14:10

Tgt Ion: 62 Resp: 27889

Ion Ratio Lower Upper

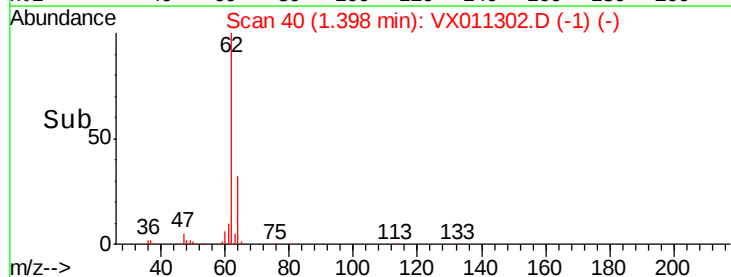
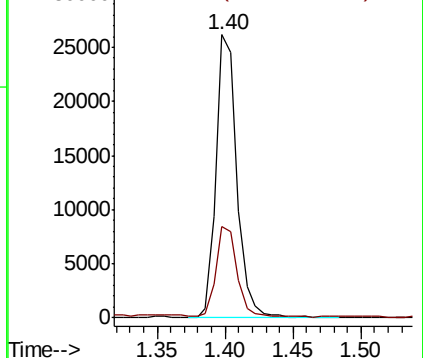
62 100

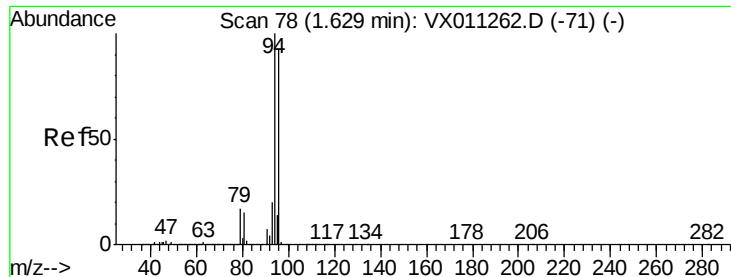
64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.831 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 94 Resp: 22200

Ion Ratio Lower Upper

94 100

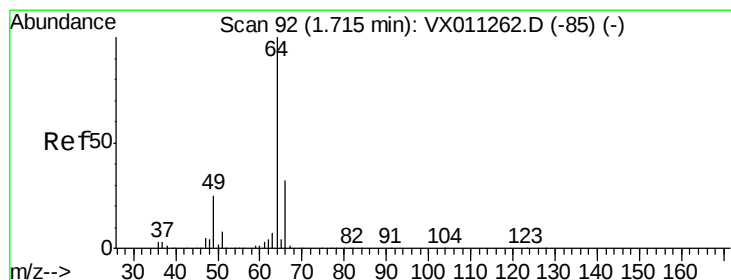
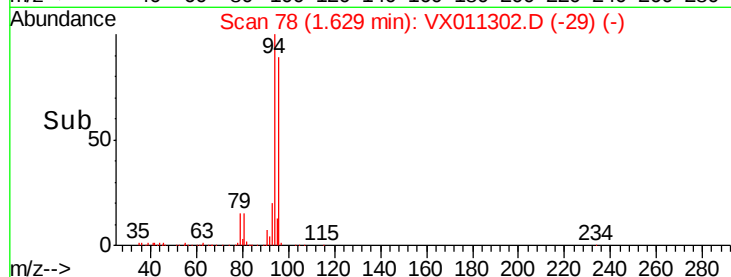
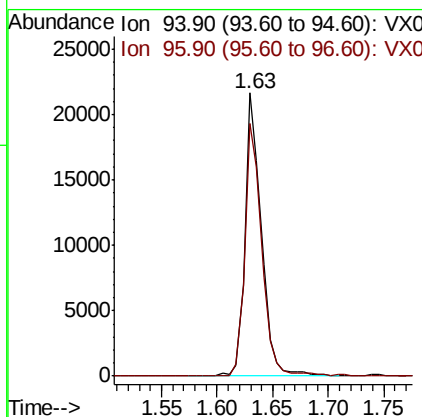
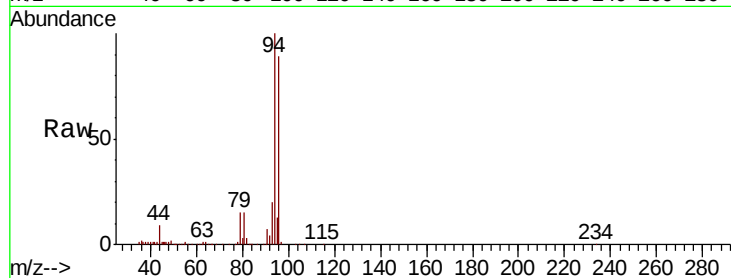
96 89.2 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 21.059 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011302.D

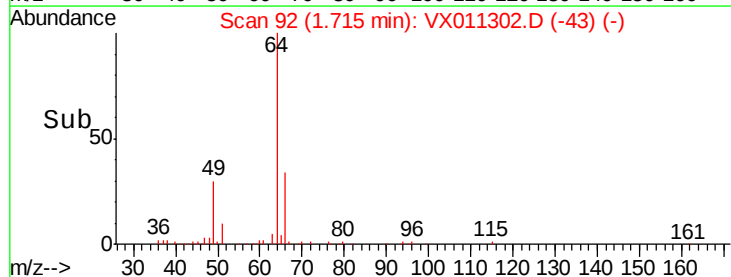
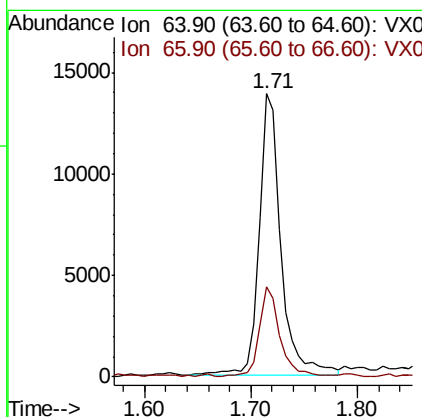
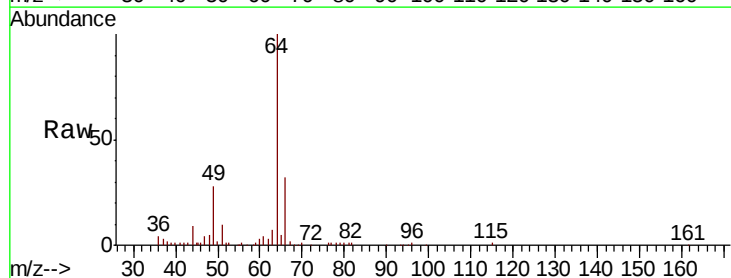
Acq: 02 Aug 2019 14:10

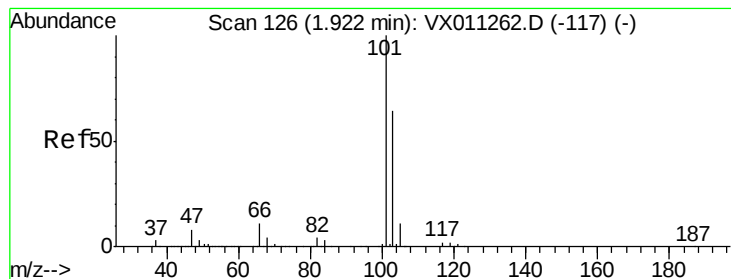
Tgt Ion: 64 Resp: 19928

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7





#7

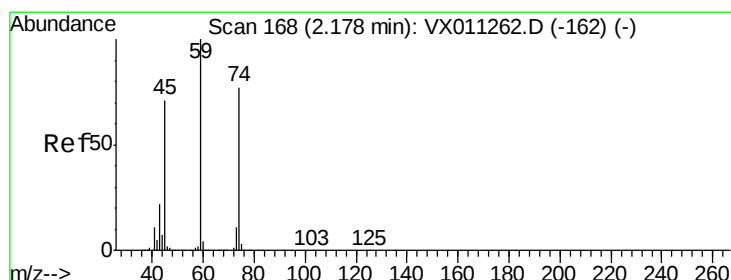
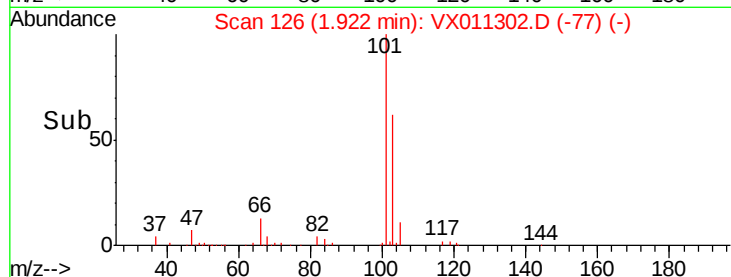
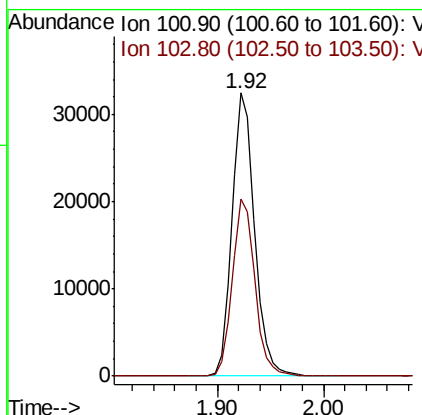
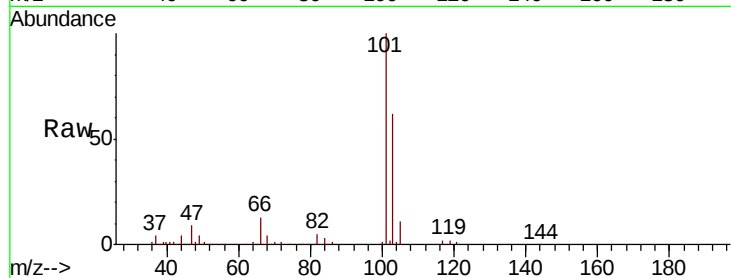
Trichlorofluoromethane
Concen: 19.098 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampled :
VX0802WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		48419		
103	62.4	50.9	76.3		

Manual Integrations
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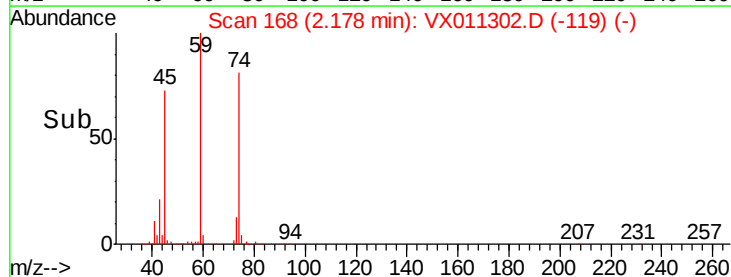
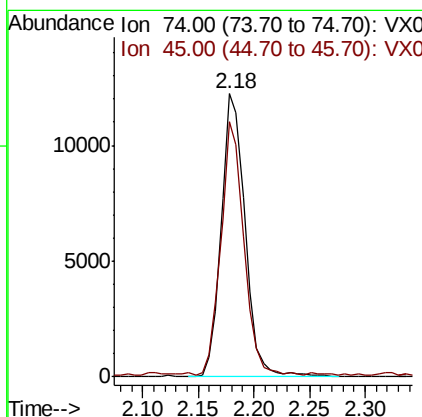
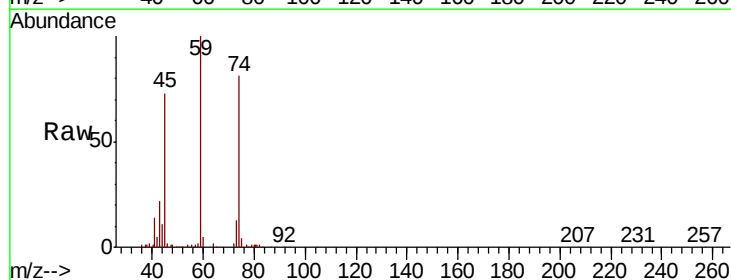
MMDadoda
8/6/2019 12:11:31 PM

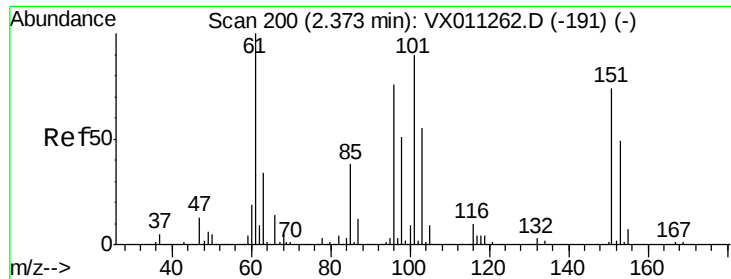


#8

Diethyl Ether
Concen: 20.074 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		18172		
45	86.2	46.1	138.3		





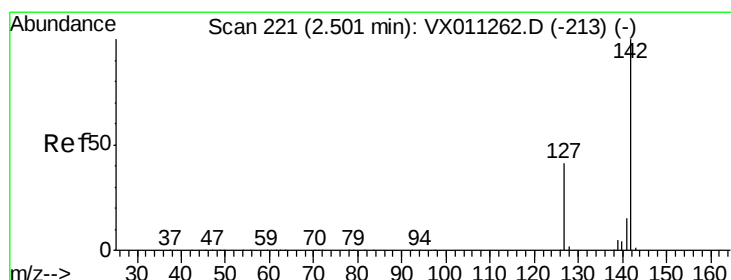
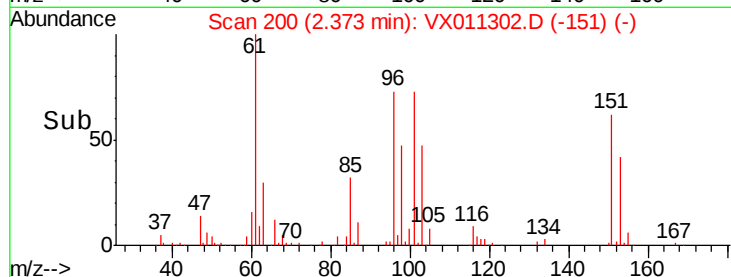
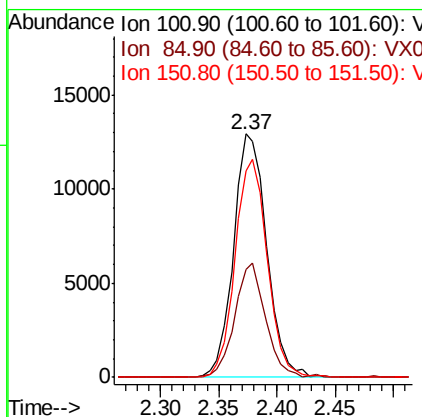
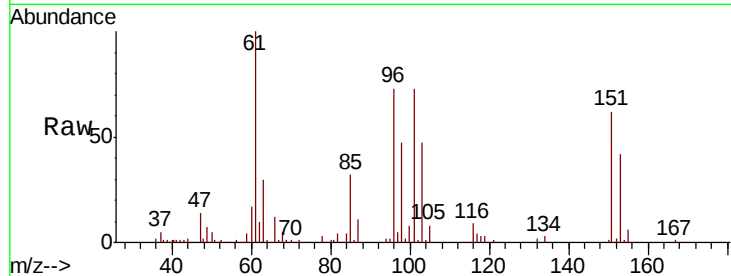
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.694 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.0	33.8	50.6
151	87.5	69.5	104.3

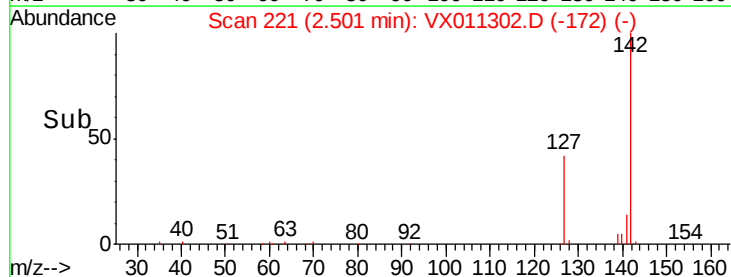
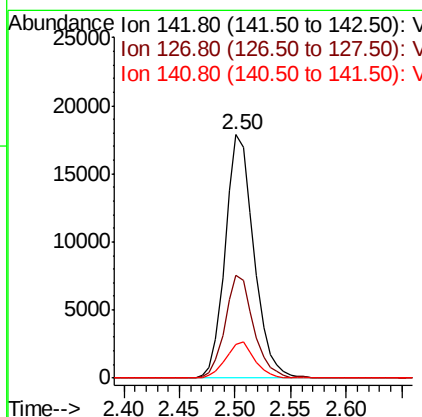
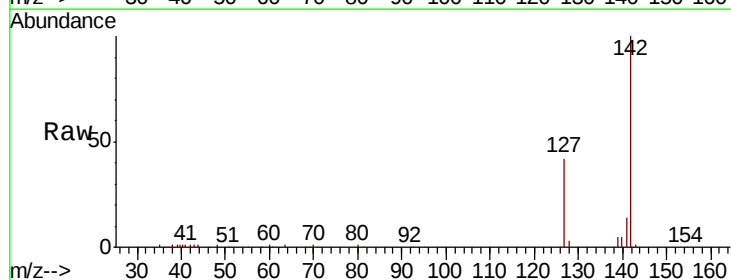
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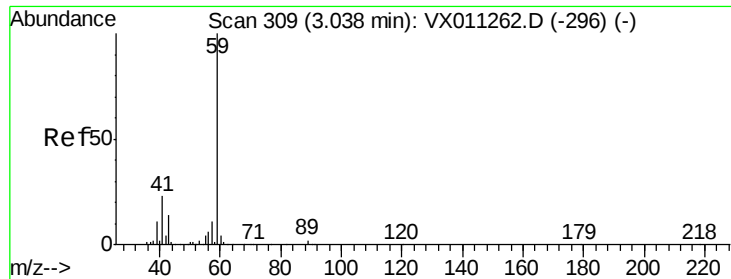
MMDadoda
 8/6/2019 12:11:31 PM



#10
 Methyl Iodide
 Concen: 18.382 ug/l
 RT: 2.50 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	33.8	50.8
141	14.8	11.4	17.2





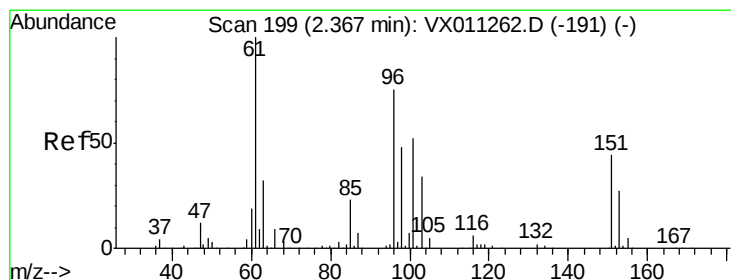
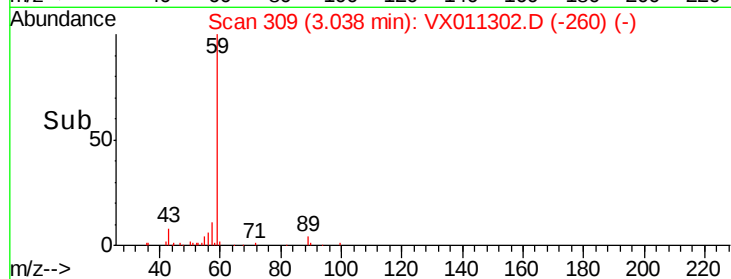
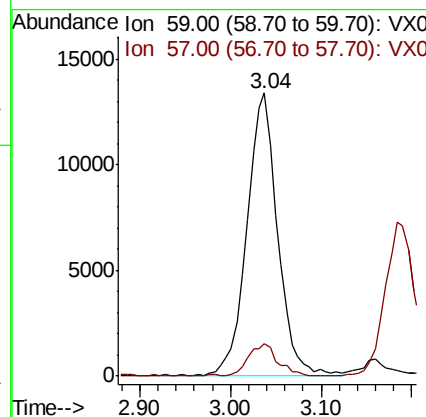
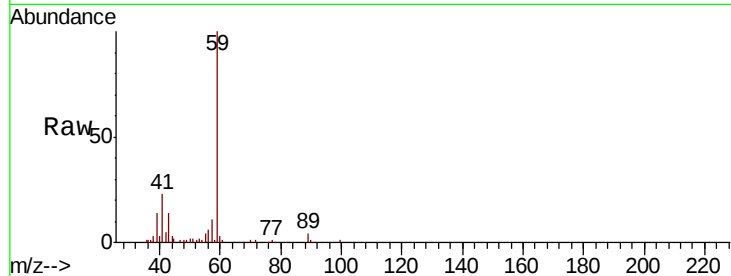
#11
Tert butyl alcohol
Concen: 105.149 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.8	8.3	12.5

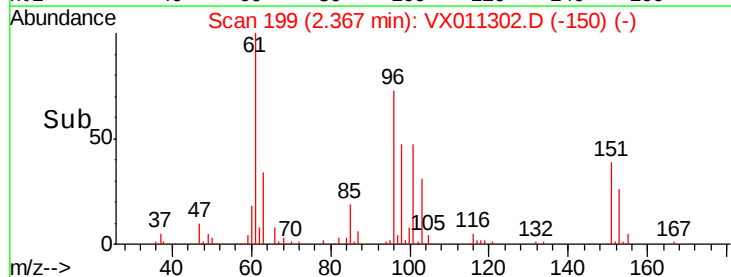
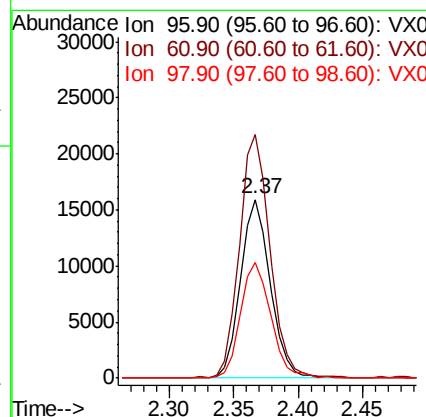
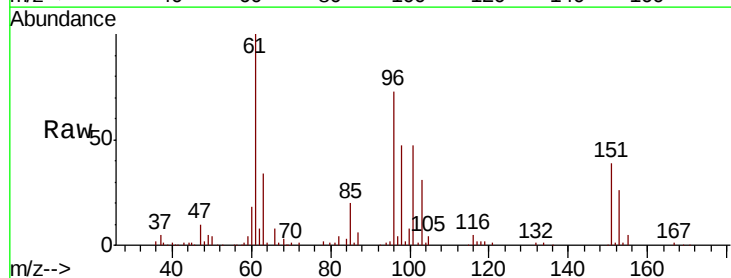
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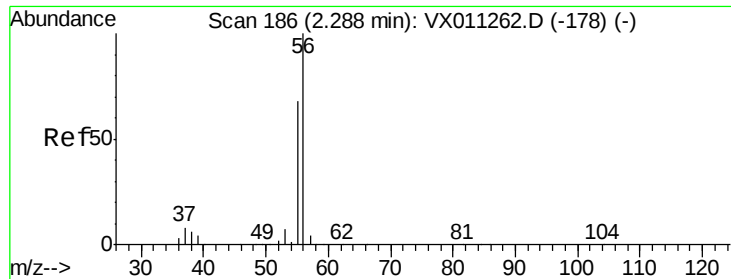
MMDadoda
8/6/2019 12:11:31 PM



#12
1,1-Dichloroethene
Concen: 18.813 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	135.8	106.2	159.2
98	98	64.5	50.6	75.8





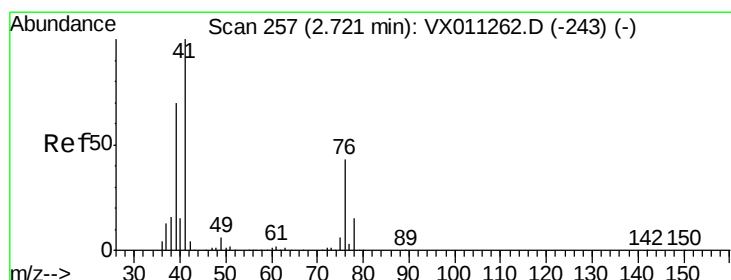
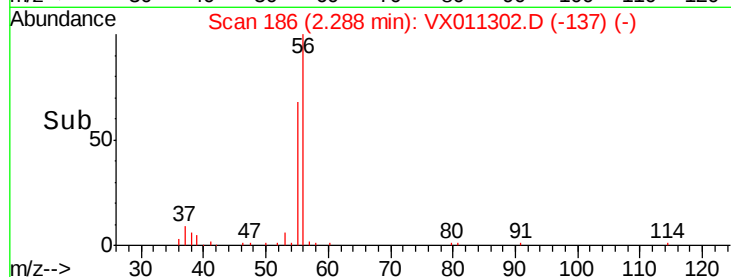
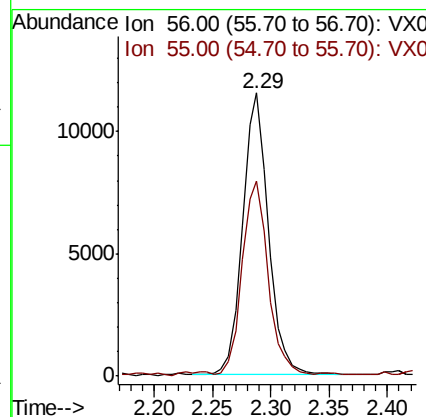
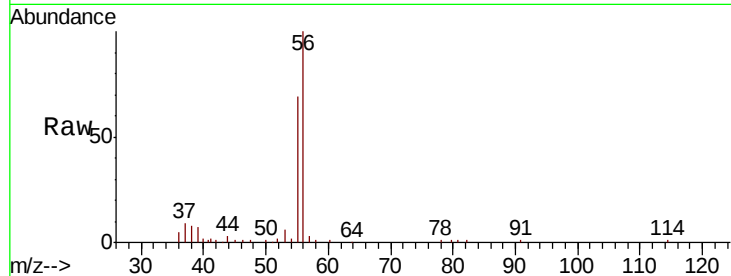
#13
Acrolein
Concen: 94.780 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampled :
VX0802WBSD01

Tot Ion	56	Resp	17727
Ion Ratio	100	Lower	Upper
56	100		
55	69.1	56.0	84.0

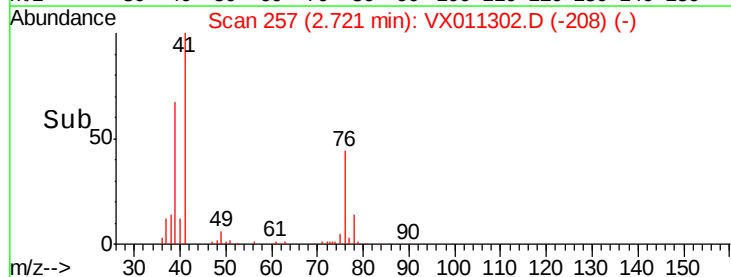
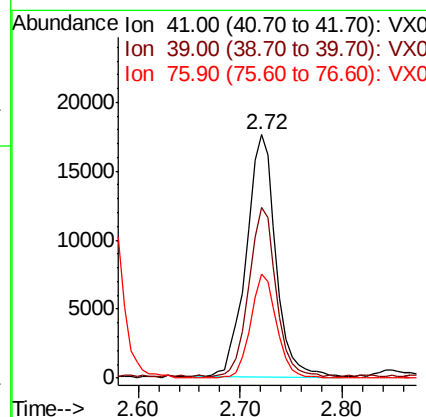
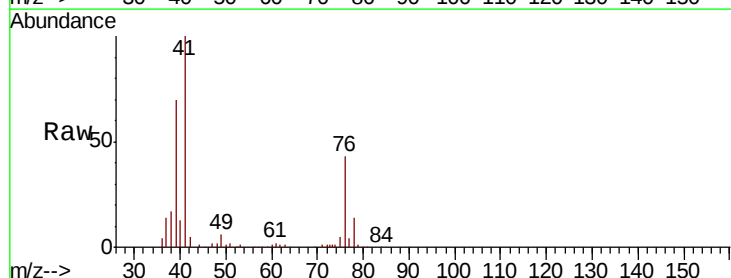
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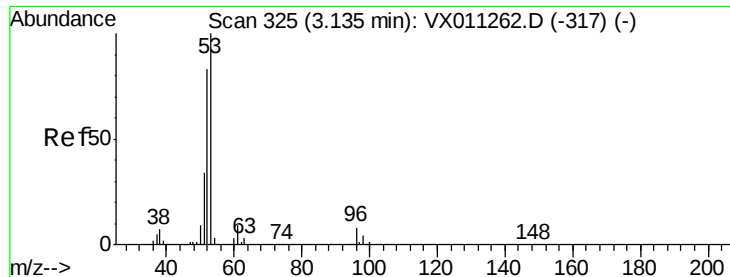
MMDadoda
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#14
Allyl chloride
Concen: 19.614 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	41	Resp	35556
Ion Ratio	100	Lower	Upper
41	100		
39	65.1	52.8	79.2
76	38.0	31.1	46.7





#15

Acrylonitrile

Concen: 101.259 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

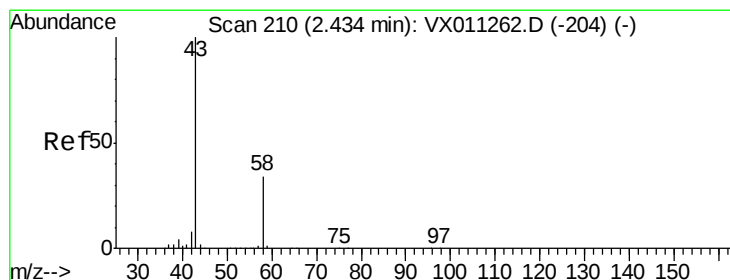
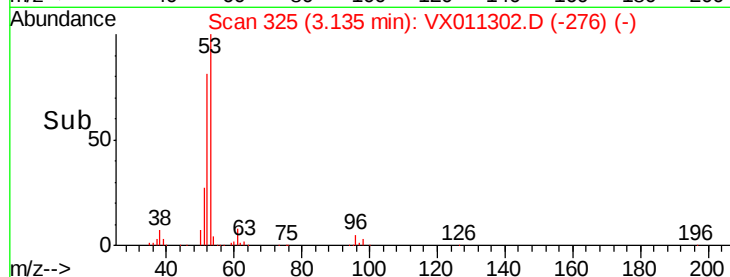
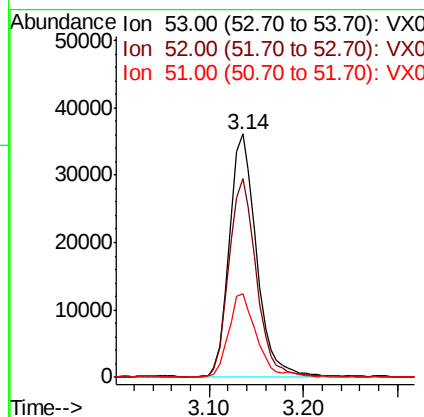
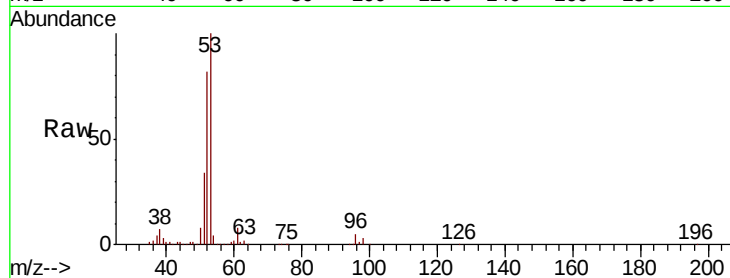
ClientSampleId :

VX0802WBSD01

Tot Ion:	53	Resp:	72522
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	36.0	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 85.362 ug/l

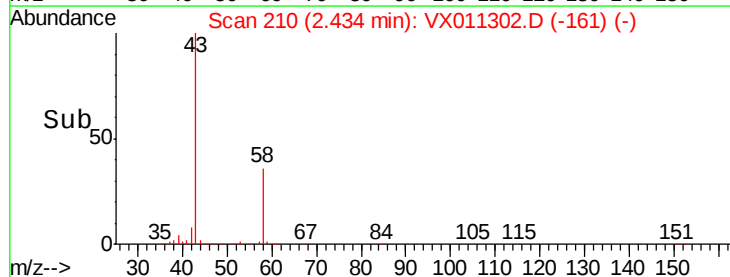
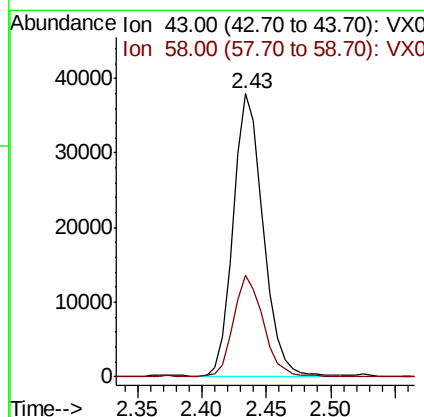
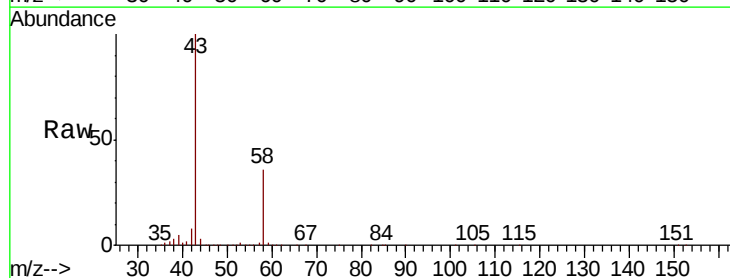
RT: 2.43 min Scan# 210

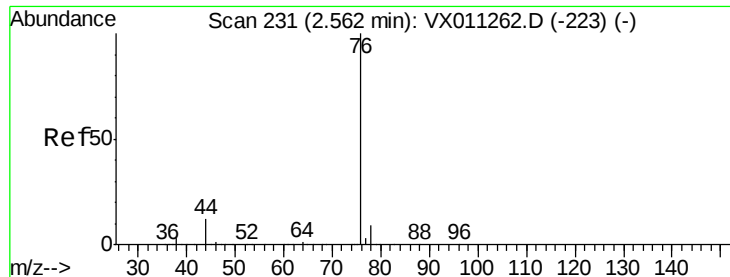
Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion:	43	Resp:	61153
Ion	Ratio	Lower	Upper
43	100		
58	36.1	27.4	41.0





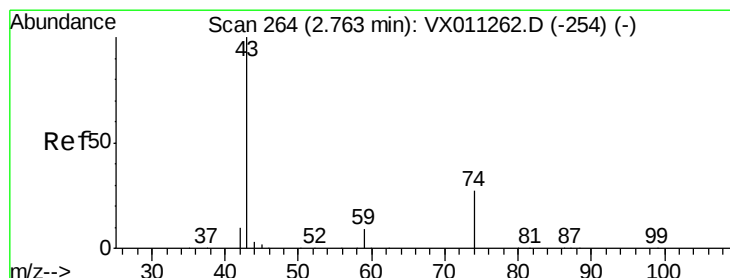
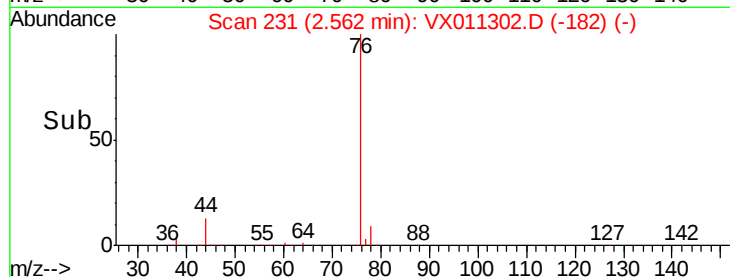
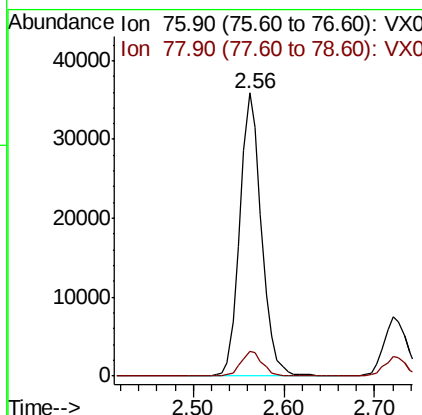
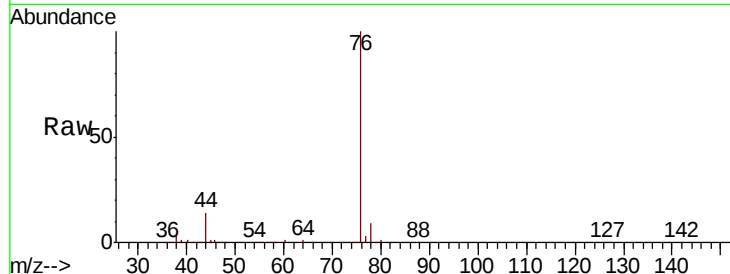
#17
Carbon Disulfide
Concen: 18.626 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion	76	Resp	59434
Ion Ratio	100	Lower	Upper
76	100		
78	8.9	7.4	11.0

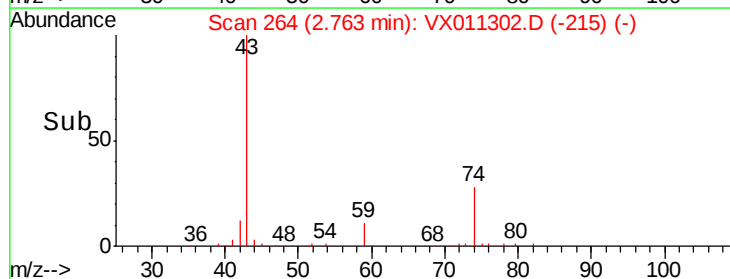
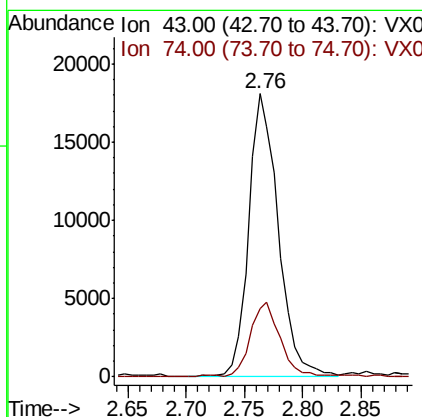
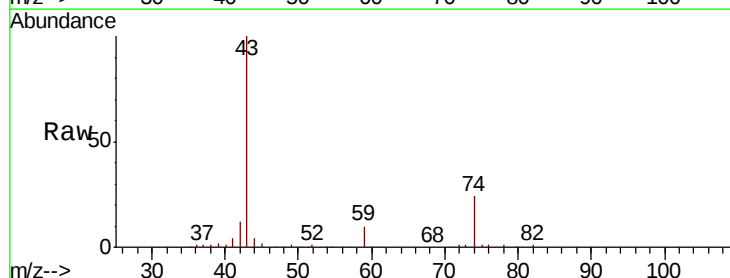
Manual Integrations
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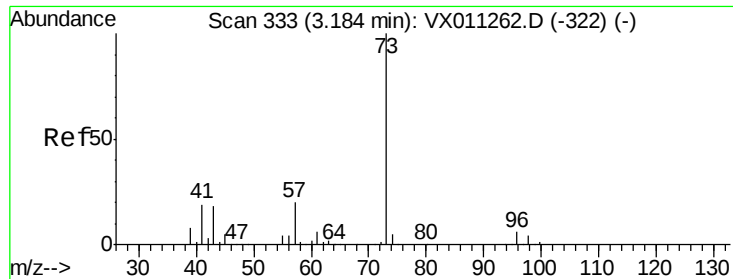
MMDadoda
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#18
Methyl Acetate
Concen: 19.662 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	43	Resp	32190
Ion Ratio	100	Lower	Upper
43	100		
74	26.7	21.0	31.6





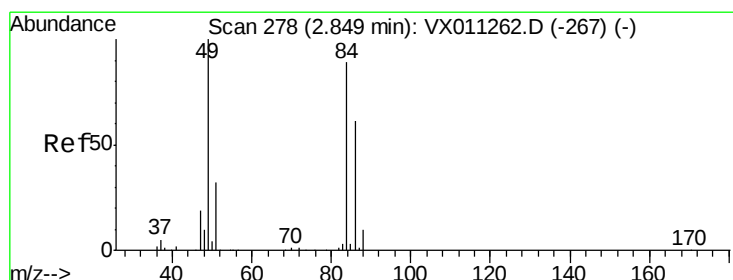
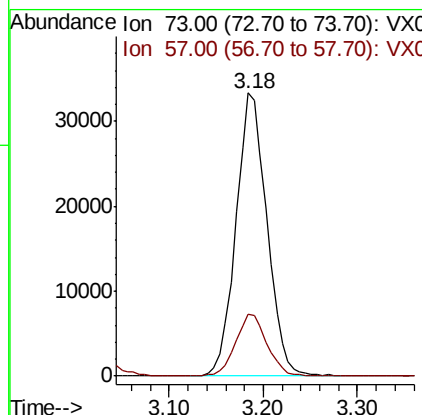
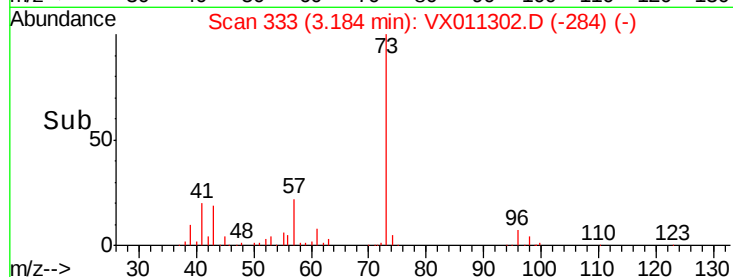
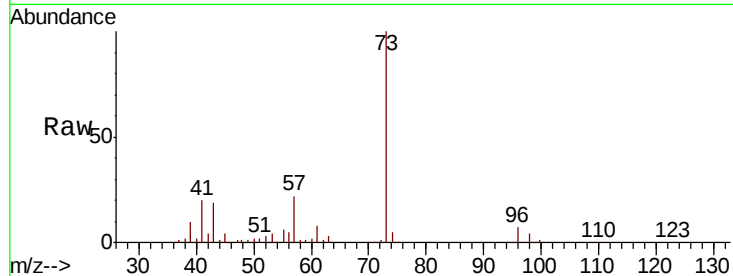
#19
Methvl tert-butvl Ether
Concen: 18.950 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion: 73 Resp: 75939
Ion Ratio Lower Upper
73 100
57 21.9 16.2 24.2

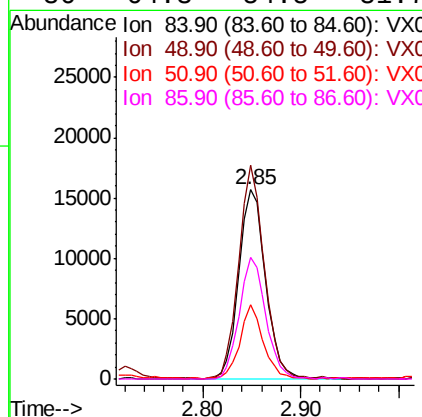
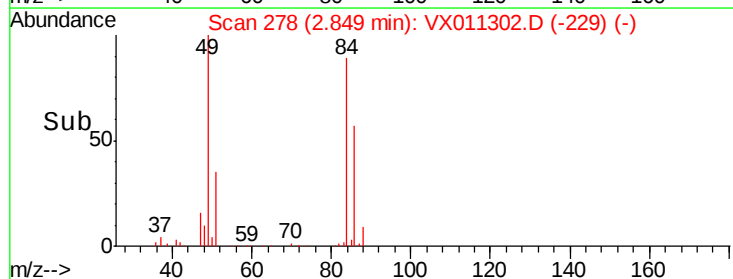
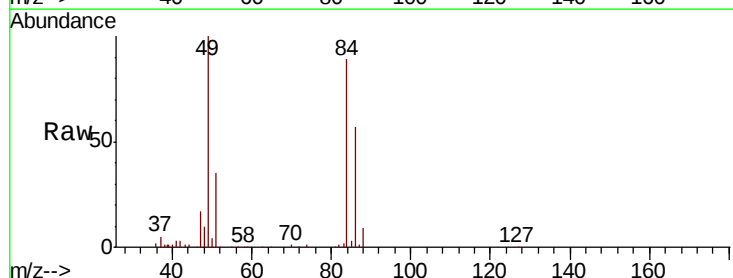
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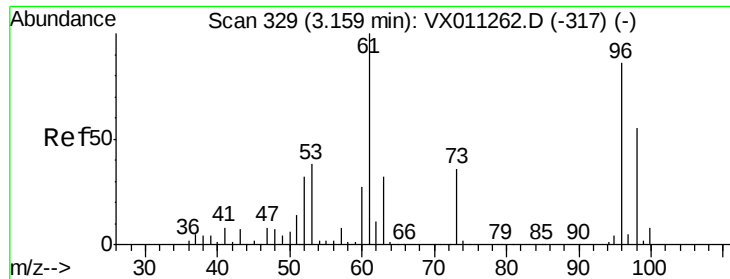
MMDadoda
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#20
Methylene Chloride
Concen: 19.057 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion: 84 Resp: 29899
Ion Ratio Lower Upper
84 100
49 112.2 89.3 133.9
51 38.6 28.3 42.5
86 64.3 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 19.189 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 96 Resp: 27602

Ion Ratio Lower Upper

96 100

61 121.6 92.8 139.2

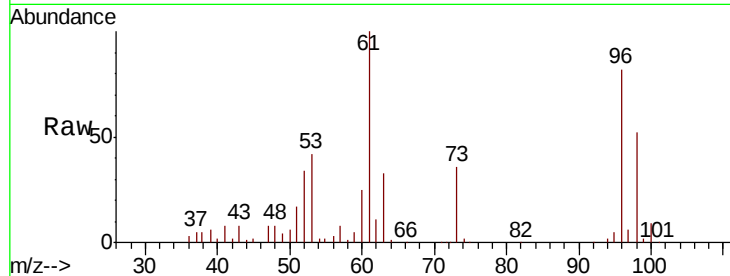
98 63.0 51.2 76.8

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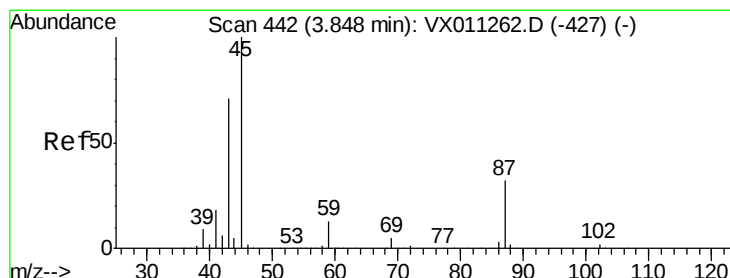
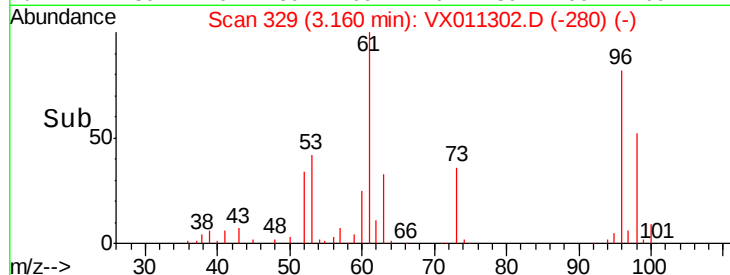
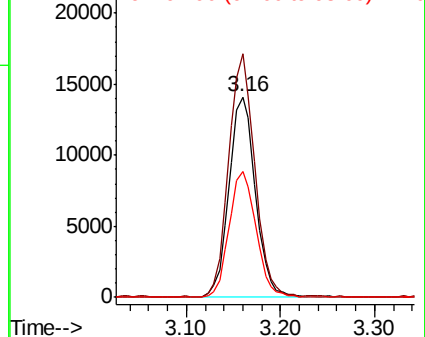


Abundance

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: 19.369 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion: 45 Resp: 77171

Ion Ratio Lower Upper

45 100

43 71.7 56.8 85.2

87 33.5 25.8 38.6

59 10.8 10.3 15.5

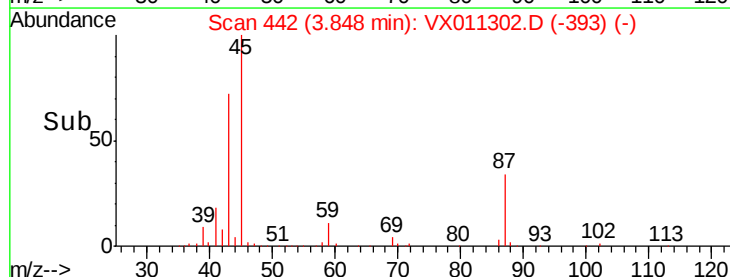
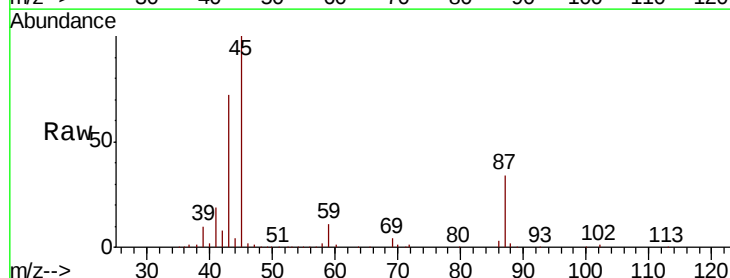
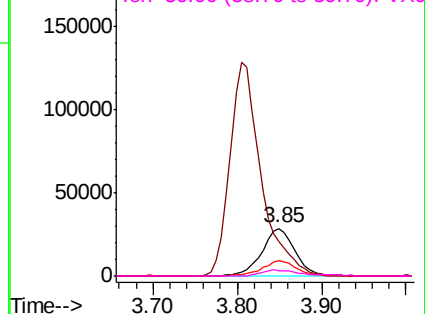
Abundance

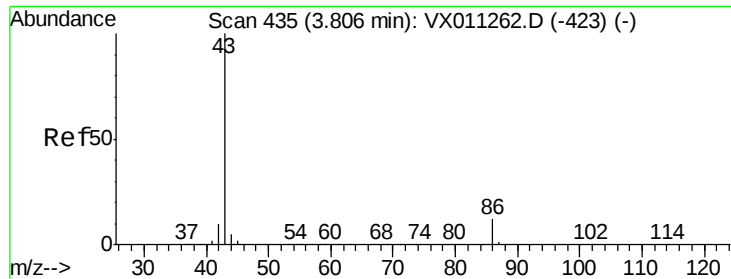
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 98.801 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 43 Resp: 326491

Ion Ratio Lower Upper

43 100

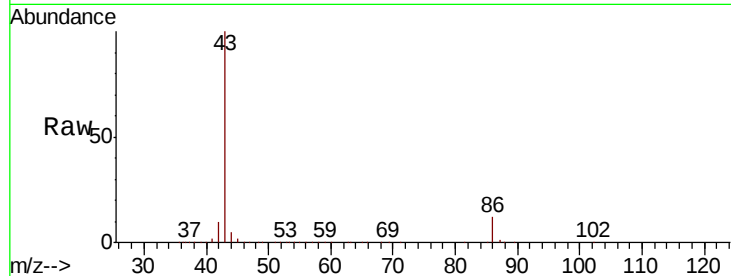
86 11.7 9.6 14.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

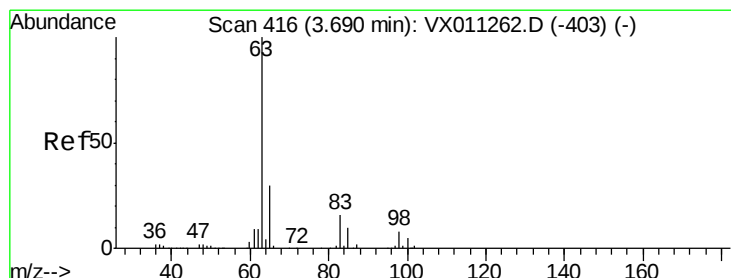
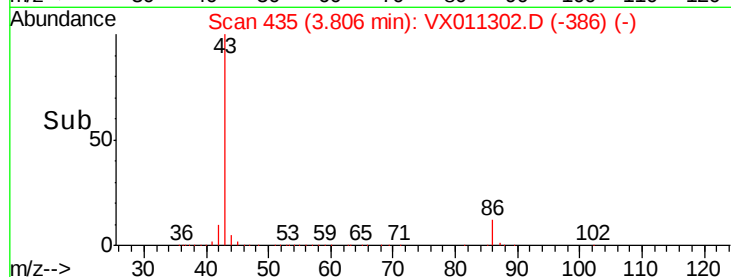
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.818 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

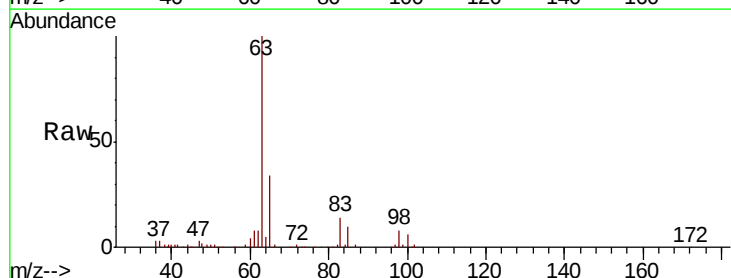
Tgt Ion: 63 Resp: 44211

Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.5

100 5.6 2.7 8.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

15000

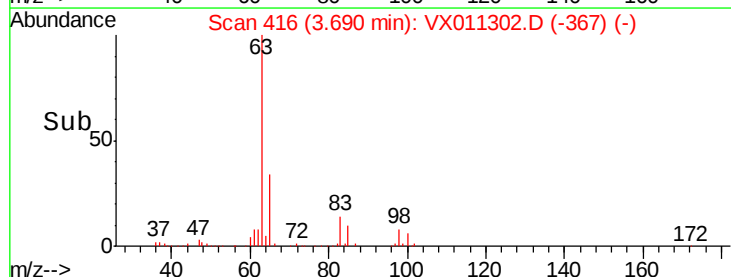
10000

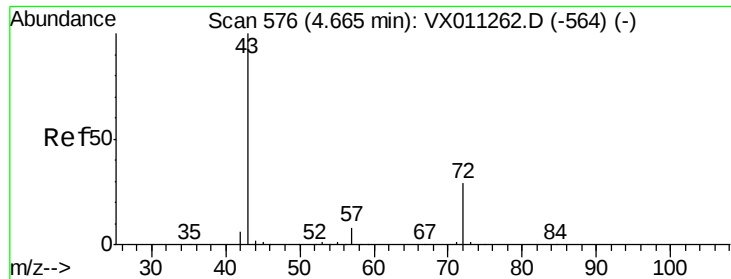
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 95.750 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampled :

VX0802WBSD01

Tot Ion: 43 Resp: 97576

Ion Ratio Lower Upper

43 100

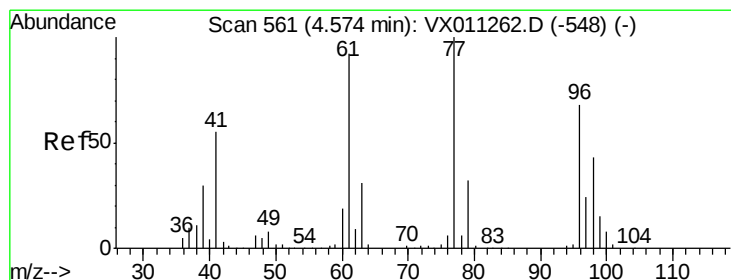
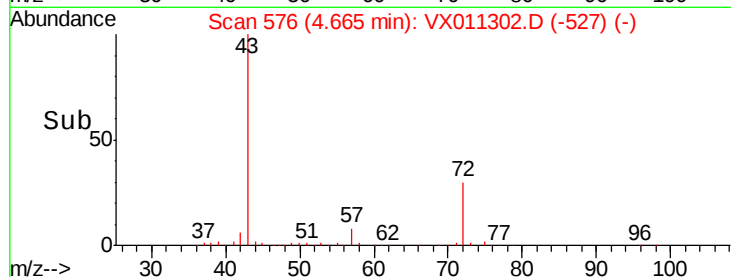
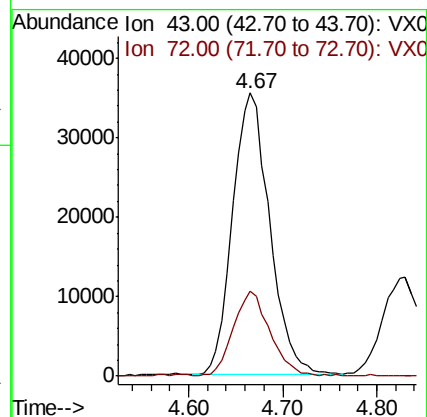
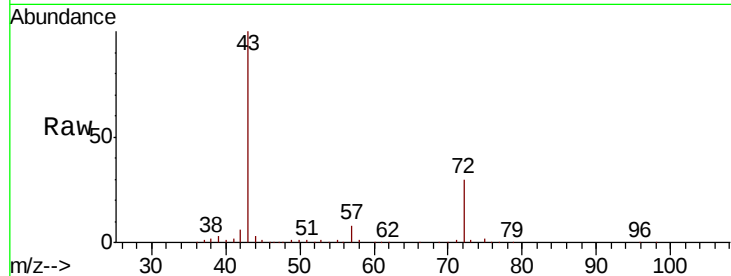
72 29.7 23.2 34.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.681 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011302.D

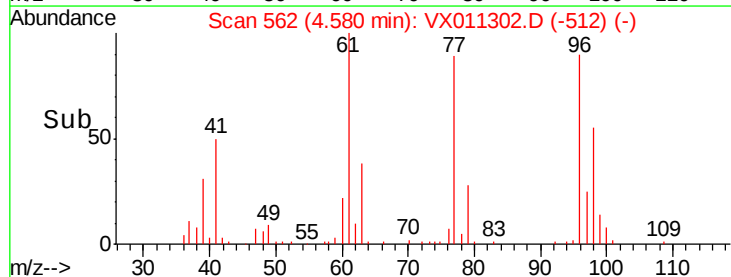
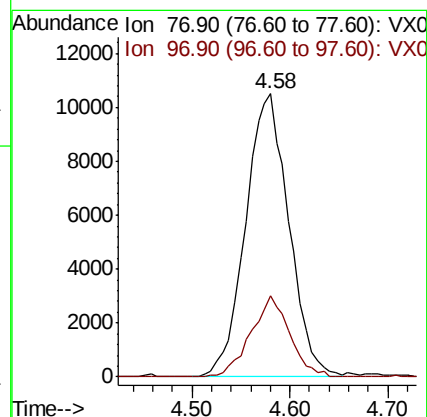
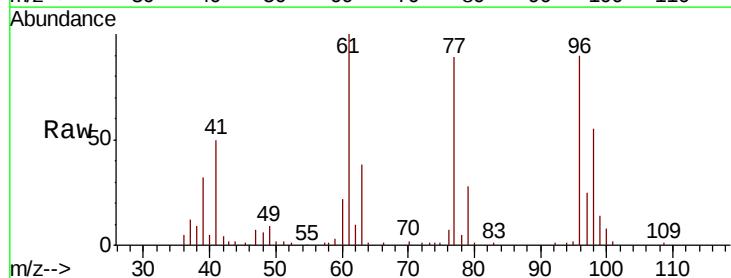
Acq: 02 Aug 2019 14:10

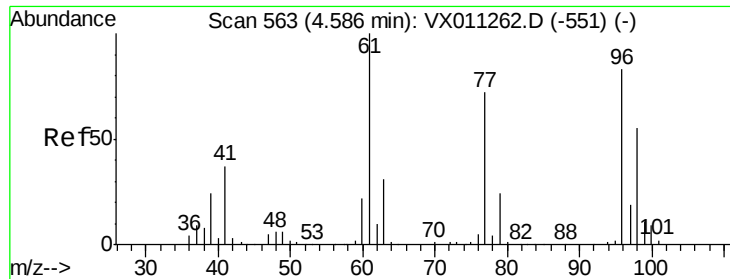
Tgt Ion: 77 Resp: 32290

Ion Ratio Lower Upper

77 100

97 25.7 12.8 38.4





#27

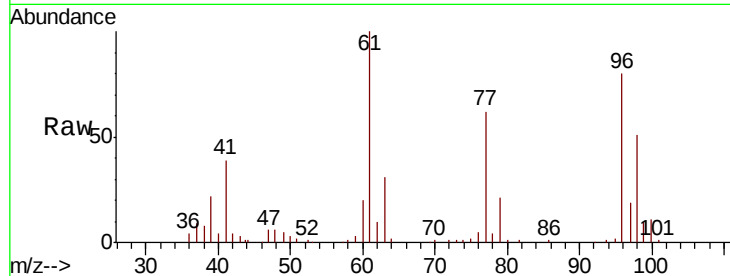
cis-1,2-Dichloroethene
Concen: 19.291 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampled :
VX0802WBSD01

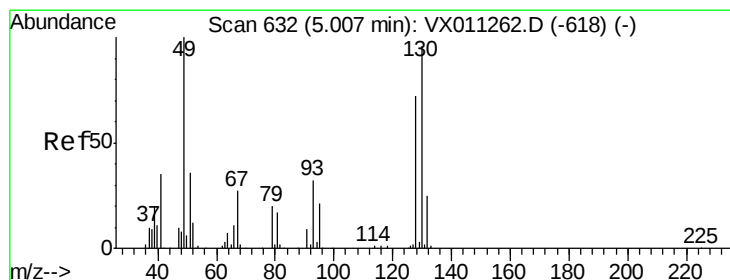
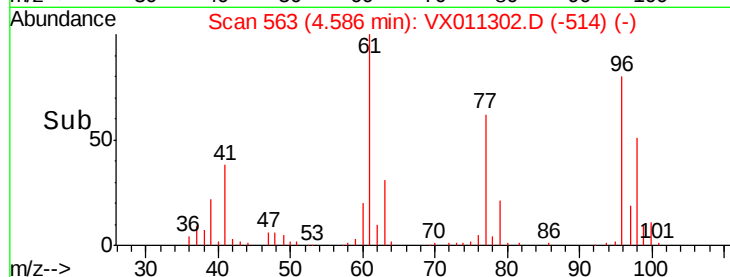
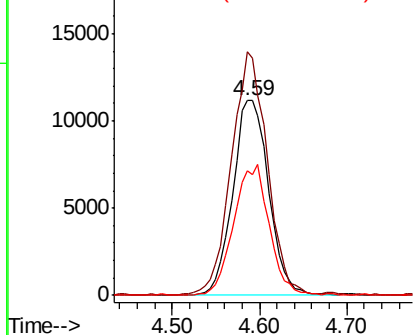
Tot Ion	Ratio	Resp	Lower	Upper
96	100	31961		
61	124.5	0.0	260.2	
98	65.8	0.0	133.2	

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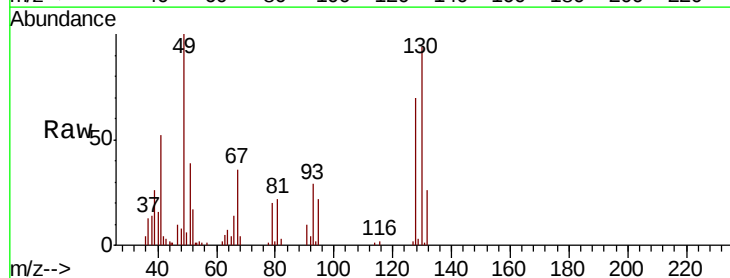
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



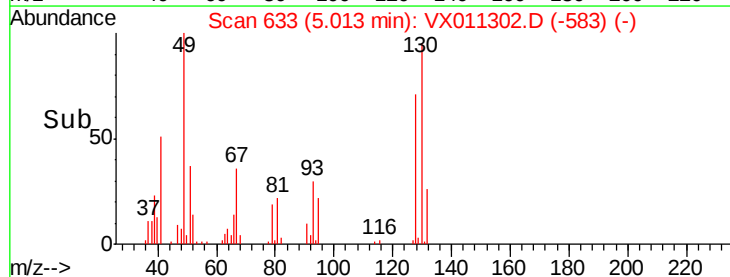
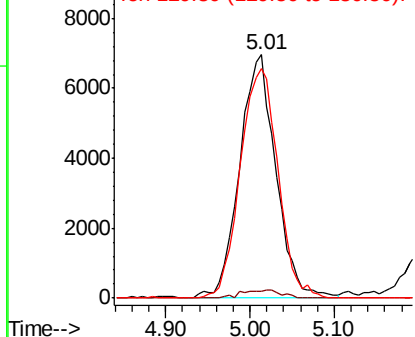
#28

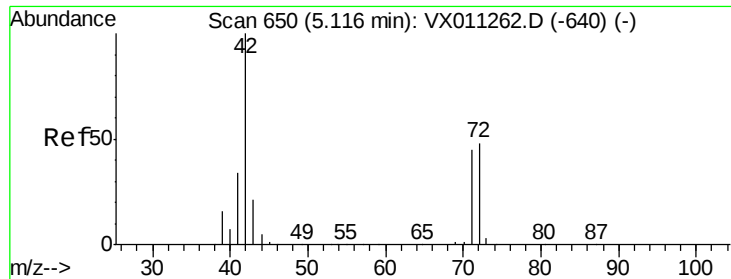
Bromochloromethane
Concen: 18.969 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	20316		
129	3.6	0.0	5.8	
130	97.9	77.9	116.9	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





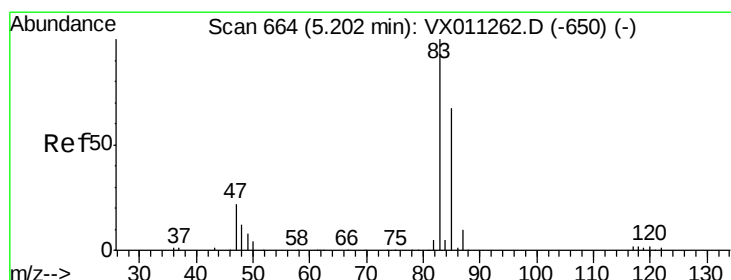
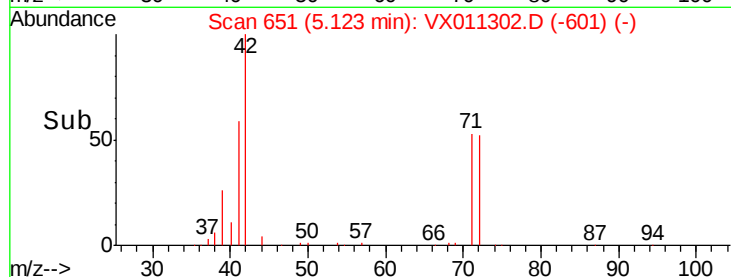
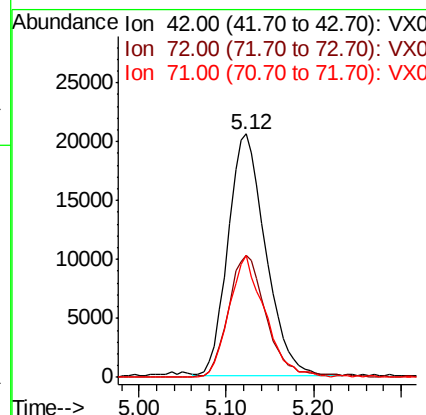
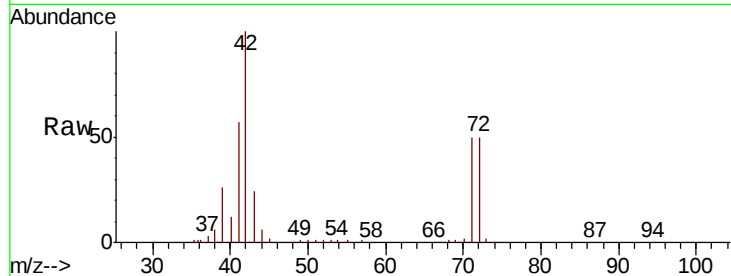
#29
Tetrahydrofuran
Concen: 97.709 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	39.9	59.9
71	48.5	36.9	55.3

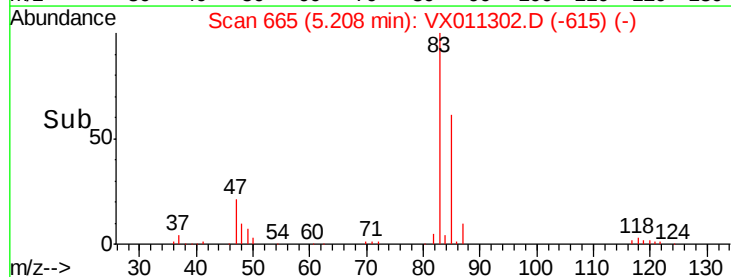
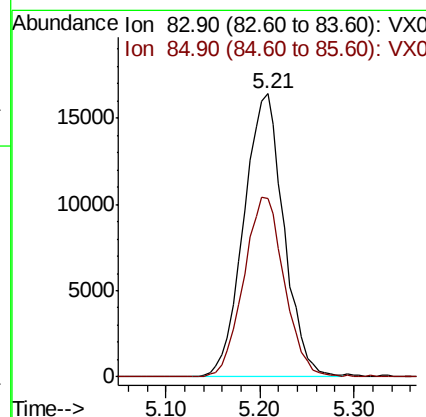
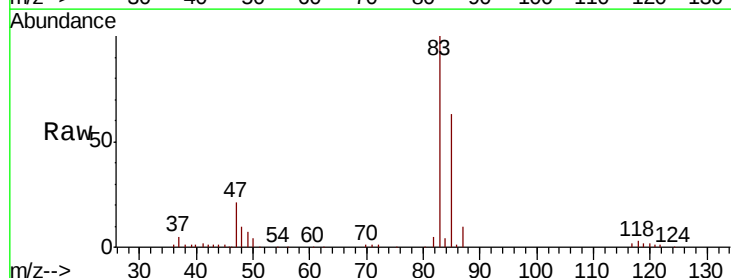
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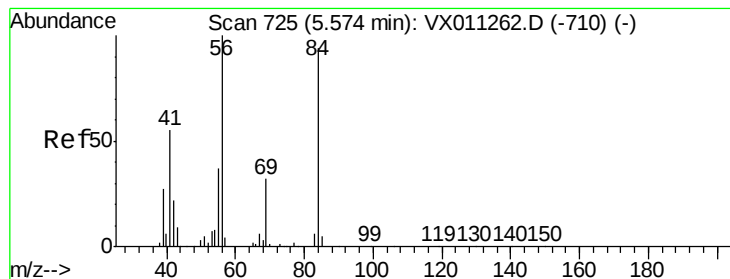
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#30
Chloroform
Concen: 19.133 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.4	80.0





#31

Cyclohexane

Concen: 19.316 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 56 Resp: 37439

Ion Ratio Lower Upper

56 100

69 29.5 25.5 38.3

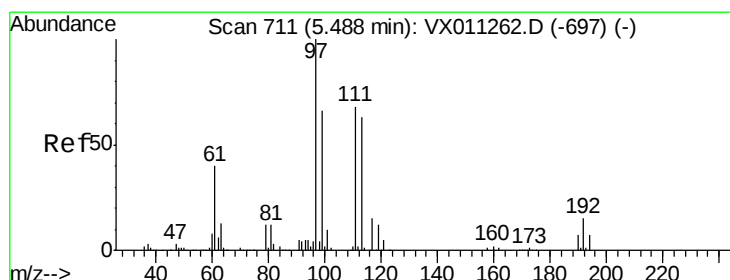
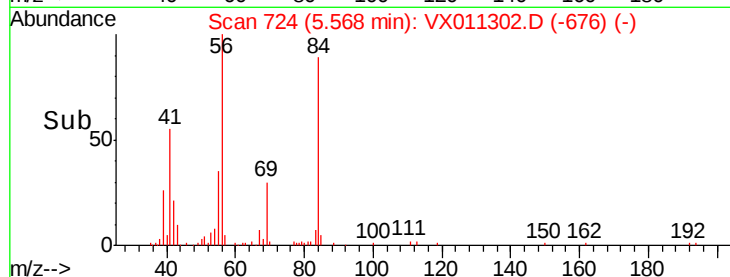
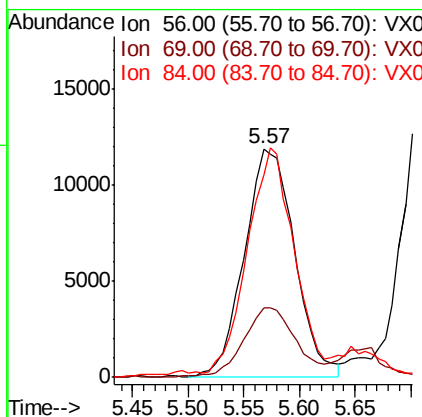
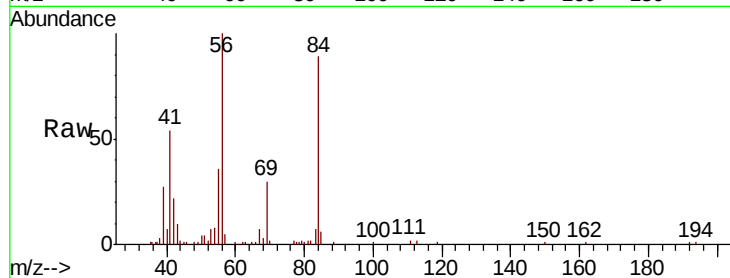
84 86.9 75.0 112.4

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#32

1,1,1-Trichloroethane

Concen: 18.738 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

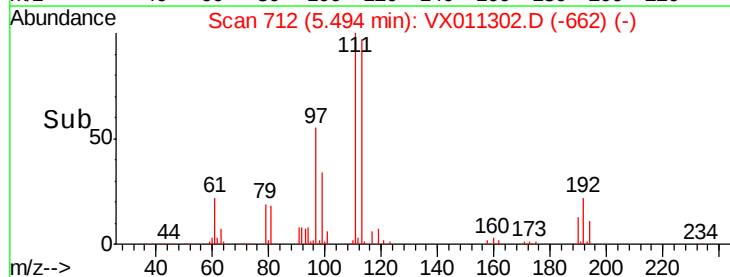
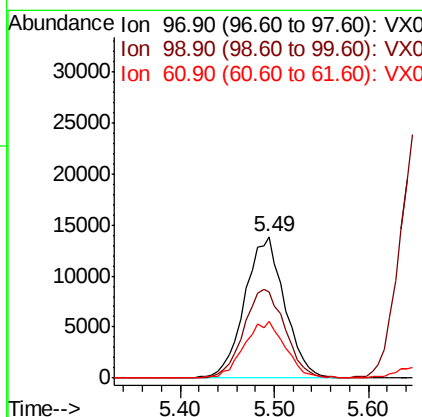
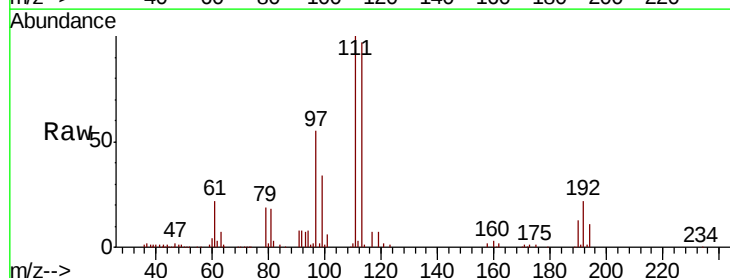
Tgt Ion: 97 Resp: 40987

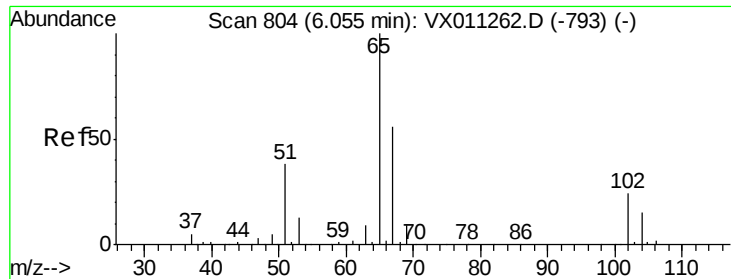
Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 41.7 32.3 48.5





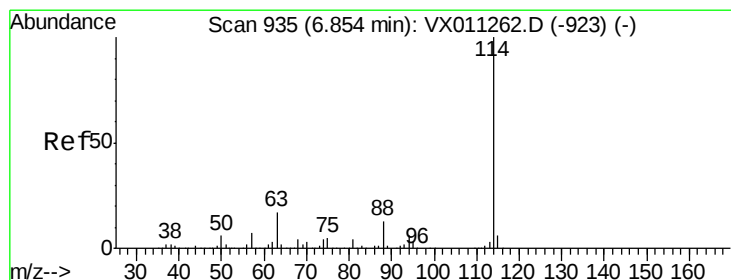
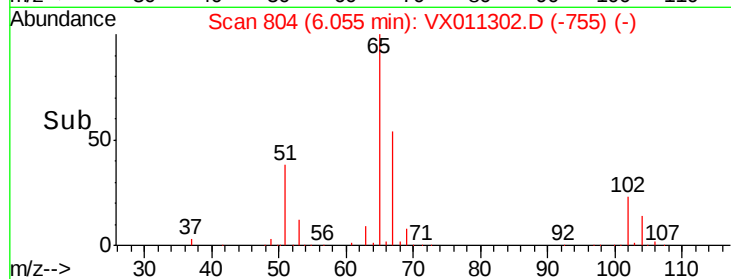
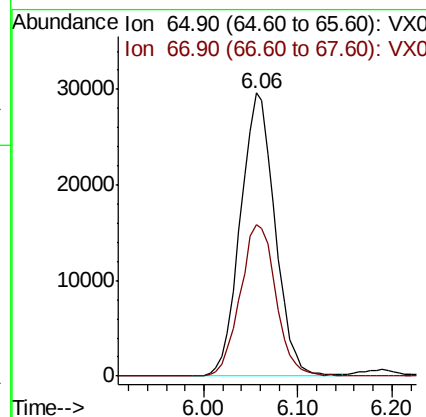
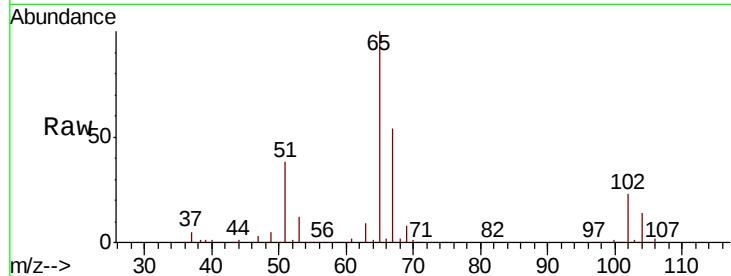
#33
 1,2-Dichloroethane-d4
 Concen: 50.420 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	110.6

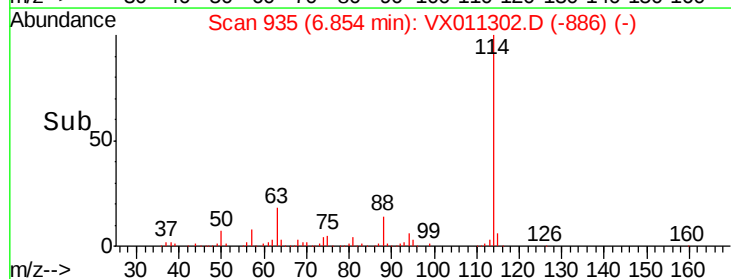
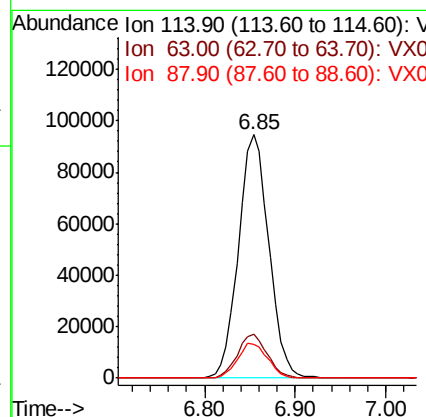
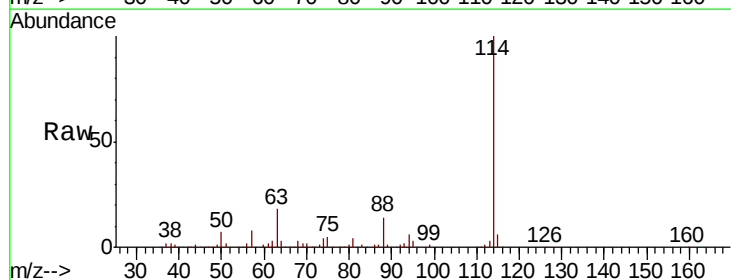
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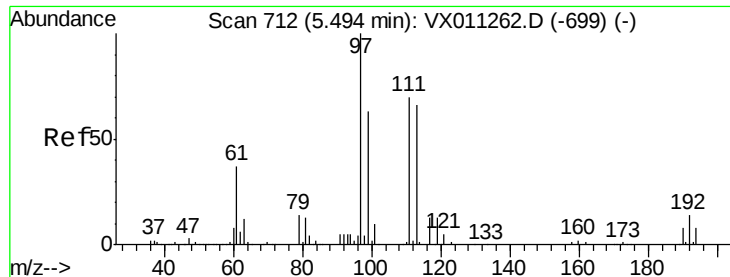
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	34.0
88	13.8	0.0	26.4





#35

Dibromofluoromethane

Concen: 48.805 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

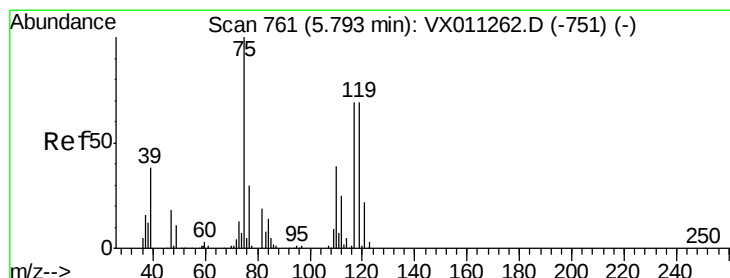
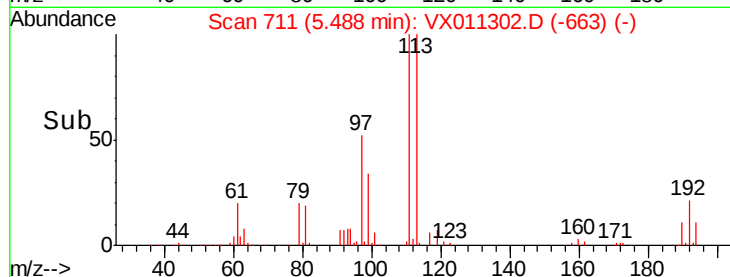
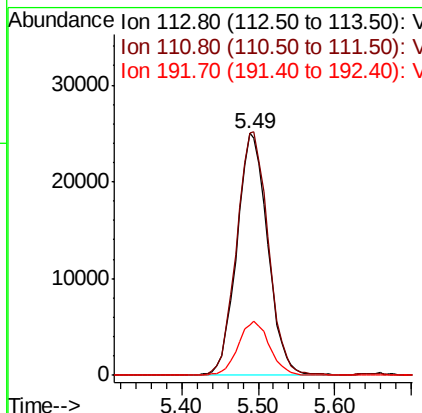
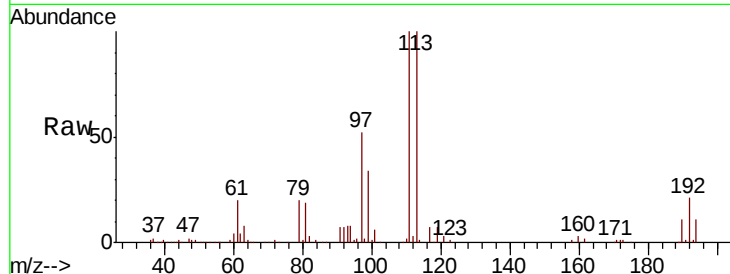
ClientSampleId :

VX0802WBSD01

Tot Ion:	113	Resp:	70025
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.9	122.9
192	22.7	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 18.263 ug/l

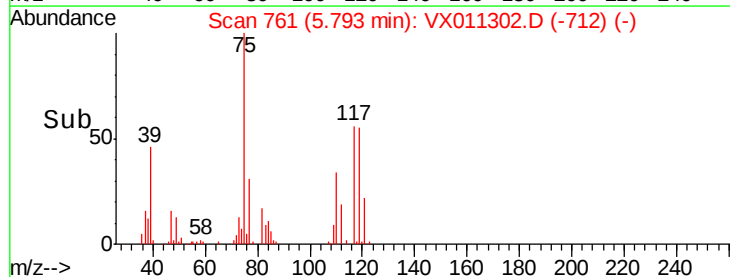
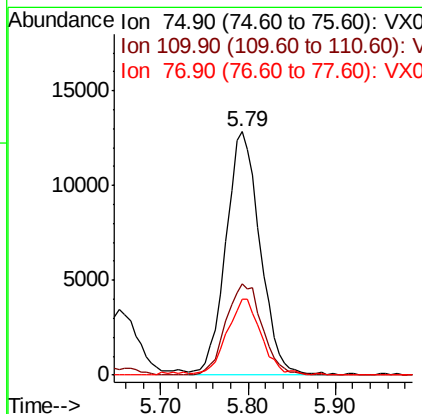
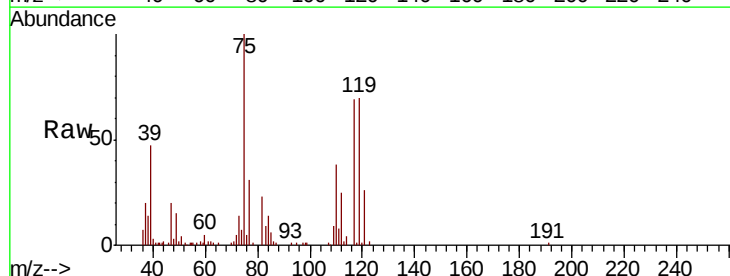
RT: 5.79 min Scan# 761

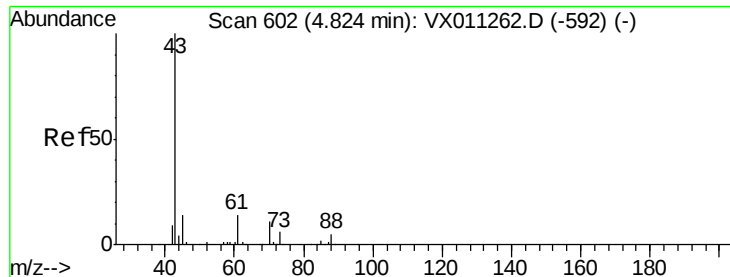
Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion:	75	Resp:	35041
Ion Ratio	Lower	Upper	
75	100		
110	39.6	20.0	59.9
77	31.2	24.8	37.2





#37

Ethyl Acetate

Concen: 18.500 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

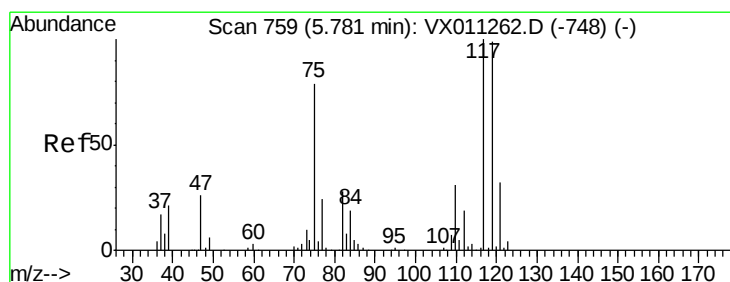
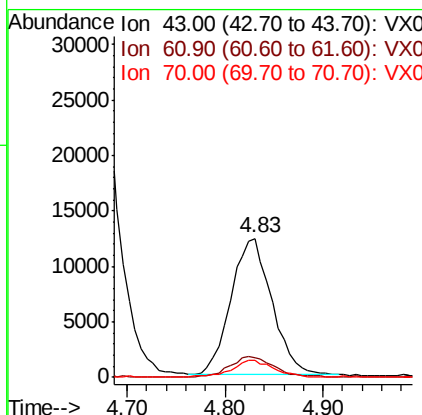
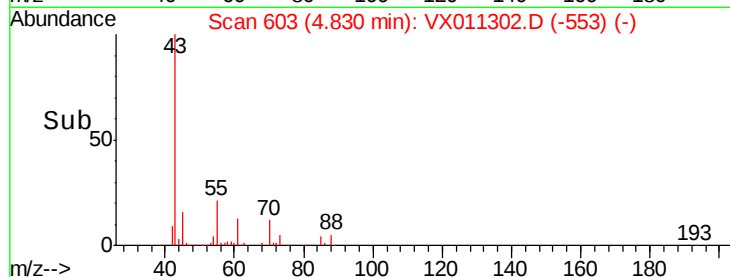
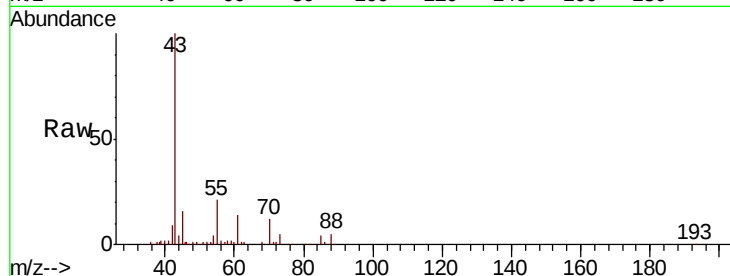
ClientSampleId :

VX0802WBSD01

Tot Ion:	43	Resp:	35605
Ion	Ratio	Lower	Upper
43	100		
61	16.6	12.6	18.8
70	12.7	9.1	13.7

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#38

Carbon Tetrachloride

Concen: 17.864 ug/l

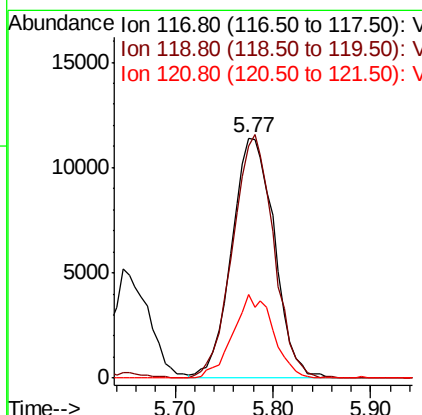
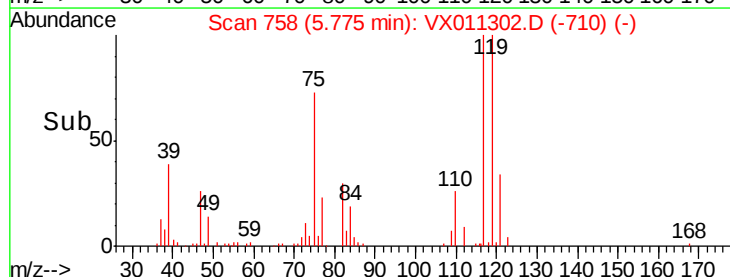
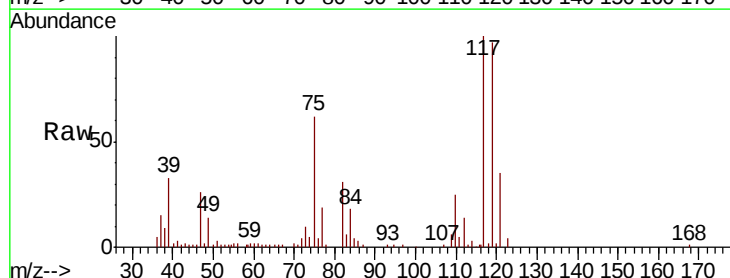
RT: 5.77 min Scan# 758

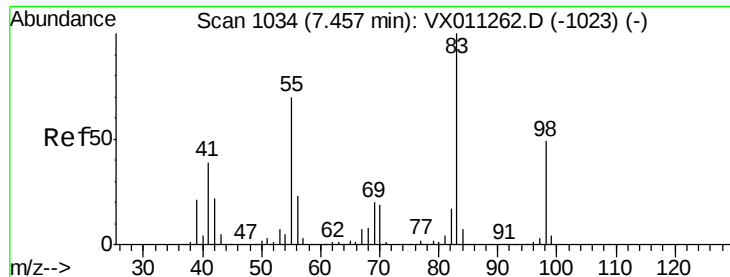
Delta R.T. -0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion:	117	Resp:	34485
Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.0	118.4
121	34.7	25.9	38.9





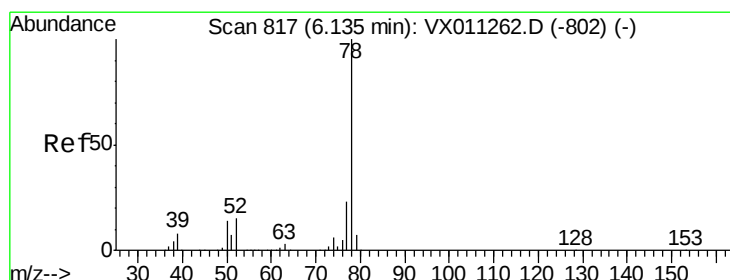
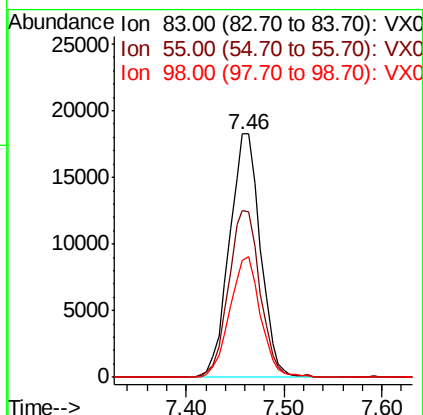
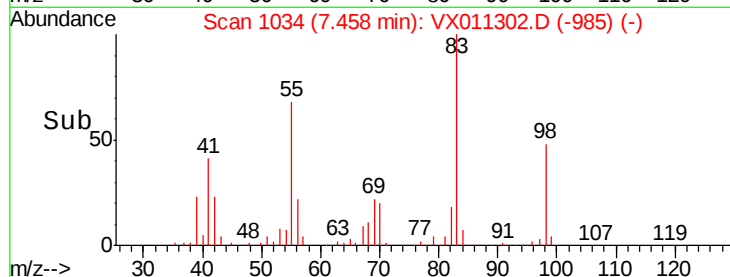
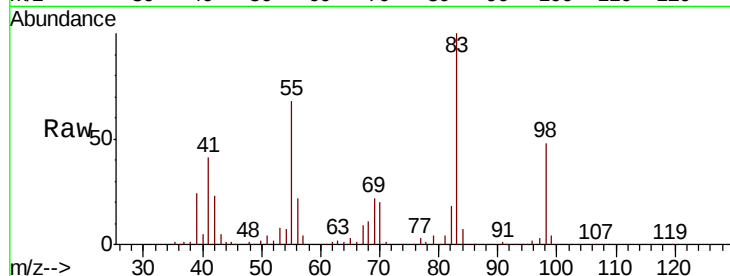
#39
Methvlcvclohexane
Concen: 17.660 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.4	56.1	84.1
98	48.0	39.0	58.4

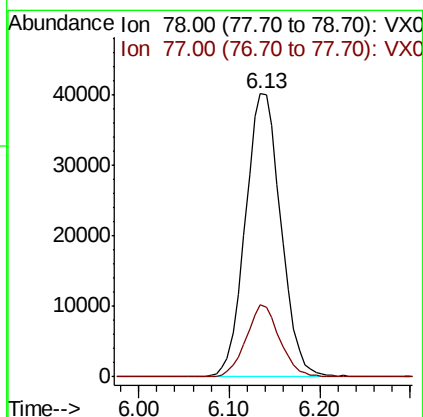
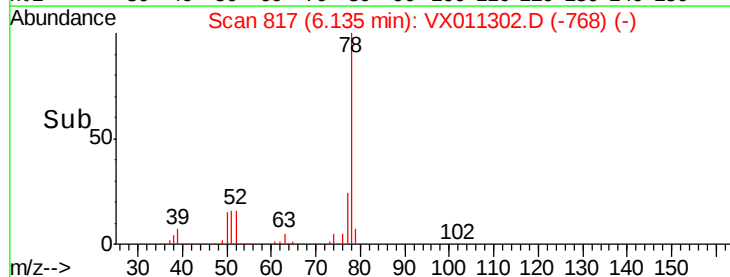
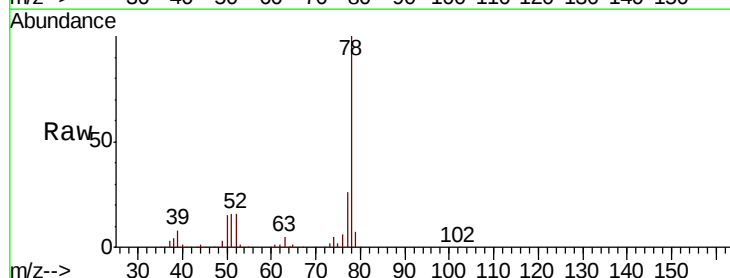
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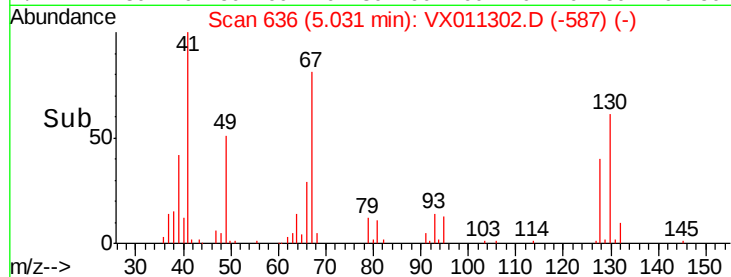
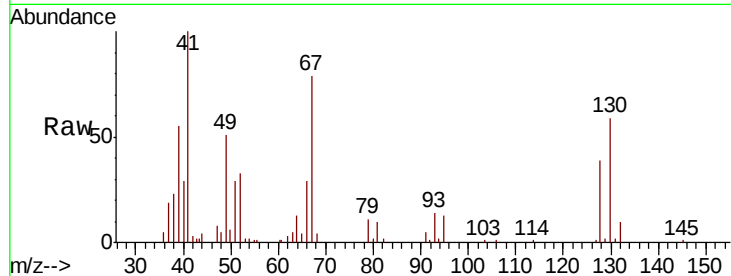
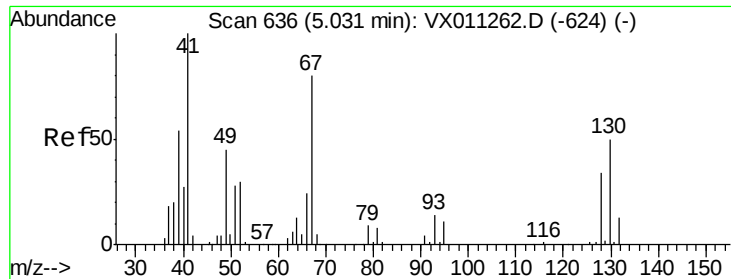
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#40
Benzene
Concen: 19.001 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	18.2	27.2





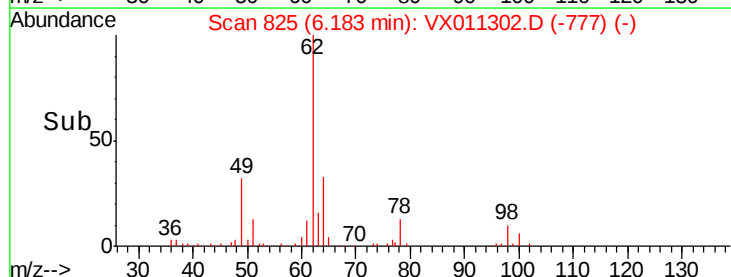
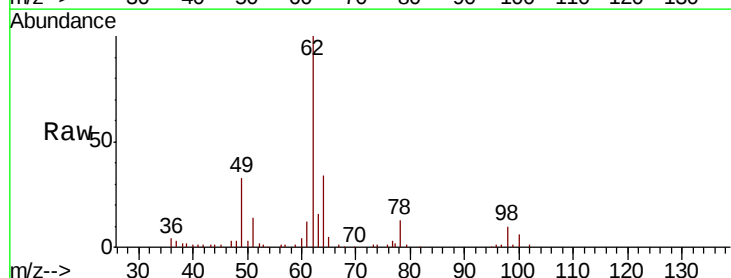
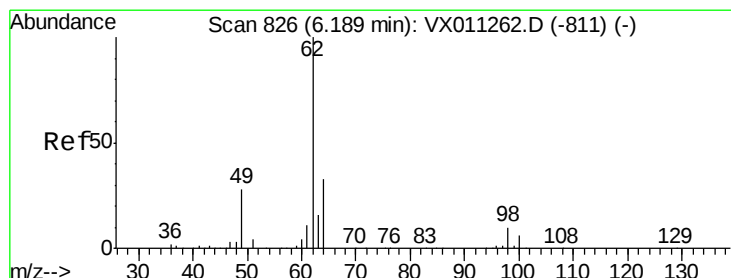
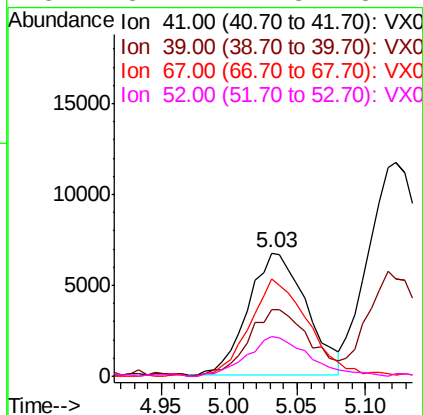
#41
Methacrylonitrile
Concen: 19.042 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	20015		
39	39	57.4		43.0	64.6
67	67	80.7		65.1	97.7
52	52	34.7		24.8	37.2

Instrument :
MSVOA_X
ClientSampled :
VX0802WBSD01

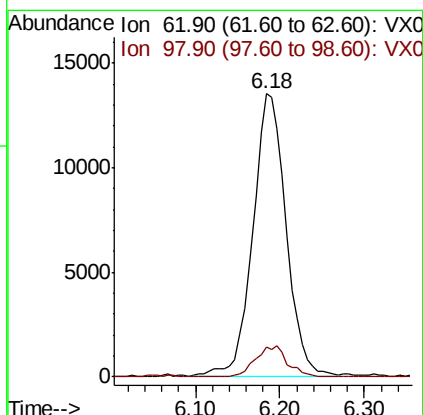
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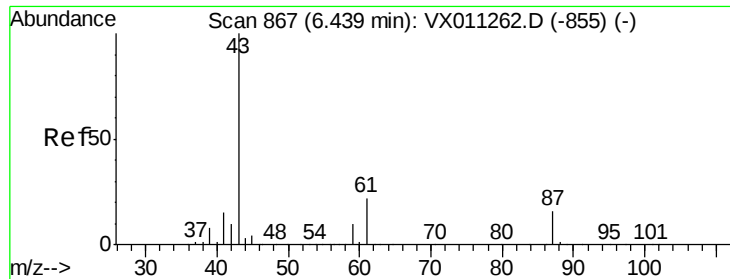
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#42
1,2-Dichloroethane
Concen: 18.941 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	36672		
98	98	10.4		0.0	20.6





#43

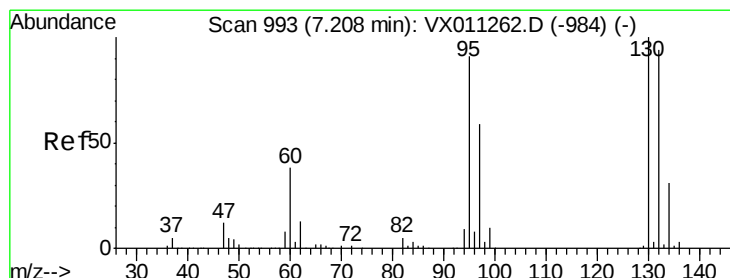
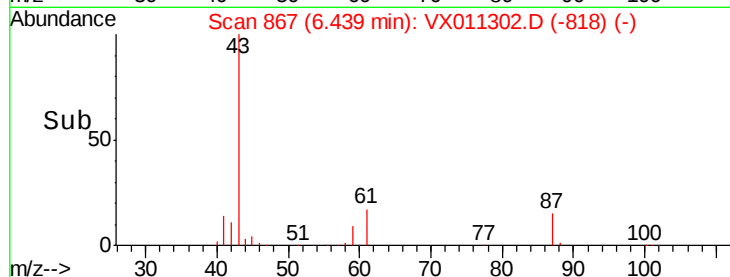
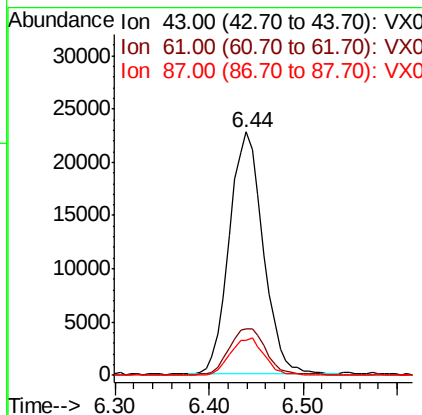
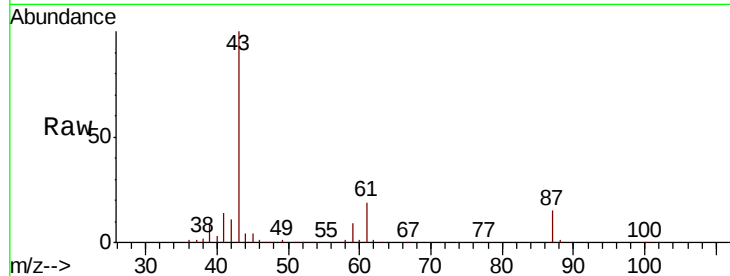
Isopropyl Acetate
 Concen: 18.493 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.5	24.7
87	15.6	12.1	18.1

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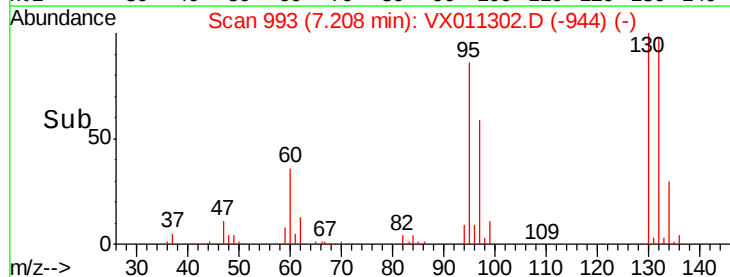
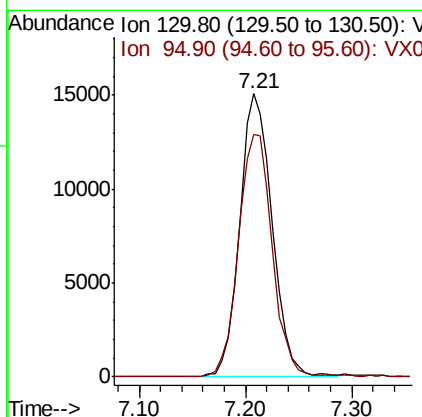
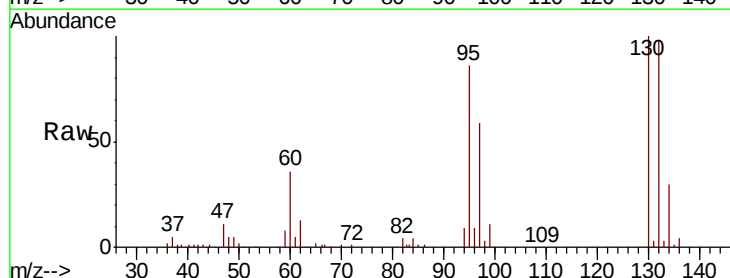
MMDadoda
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#44

Trichloroethene
 Concen: 18.607 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.8	0.0	182.6





#45

1,2-Dichloropropane

Concen: 18.490 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 63 Resp: 27418

Ion Ratio Lower Upper

63 100

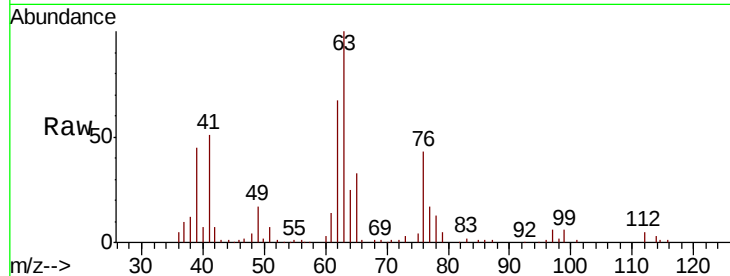
65 32.1 23.3 34.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

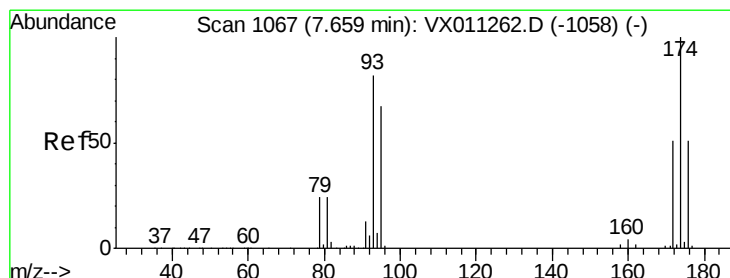
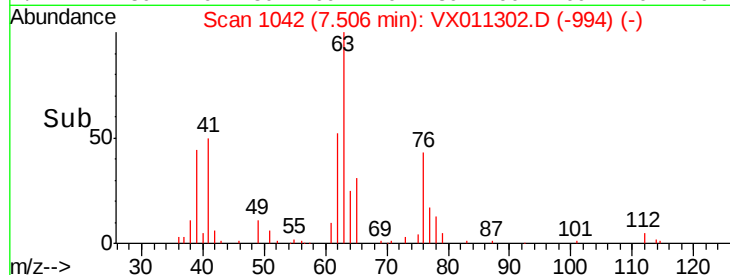
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 18.527 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

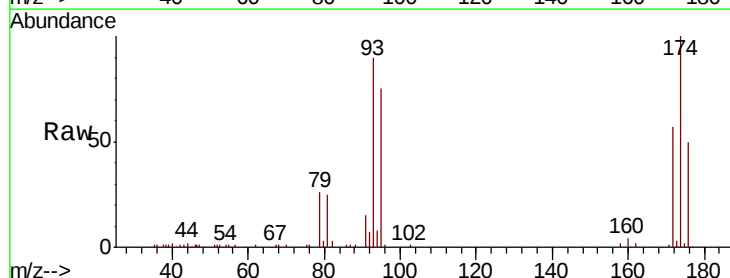
Tgt Ion: 93 Resp: 20055

Ion Ratio Lower Upper

93 100

95 84.8 66.4 99.6

174 112.8 93.4 140.2



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

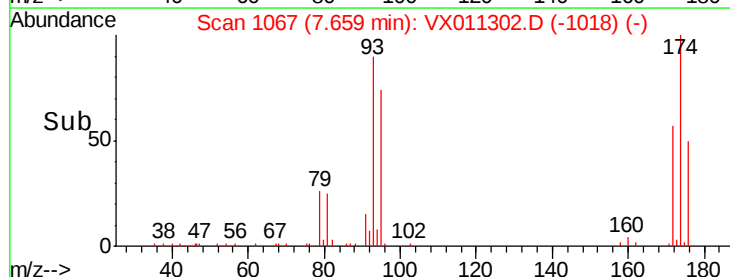
15000

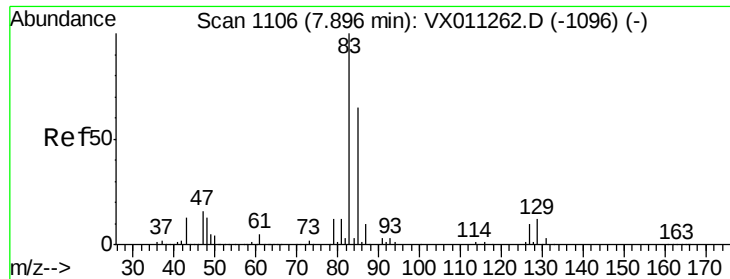
10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 18.043 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

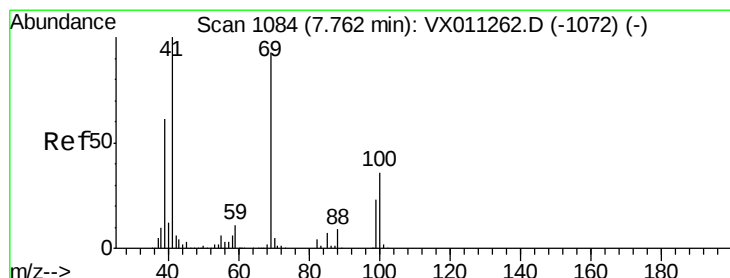
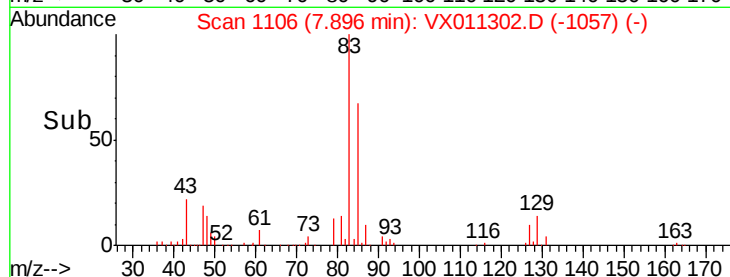
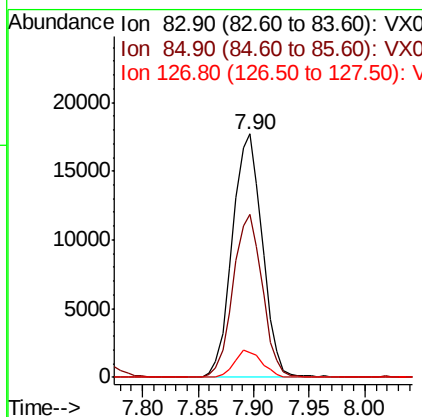
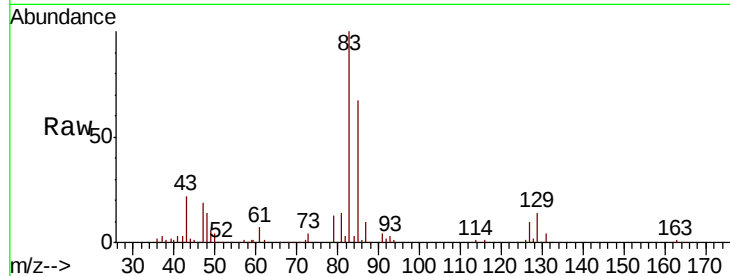
ClientSampleId :

VX0802WBSD01

Tot Ion:	83	Resp:	33069
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.2	78.2
127	10.2	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.595 ug/l

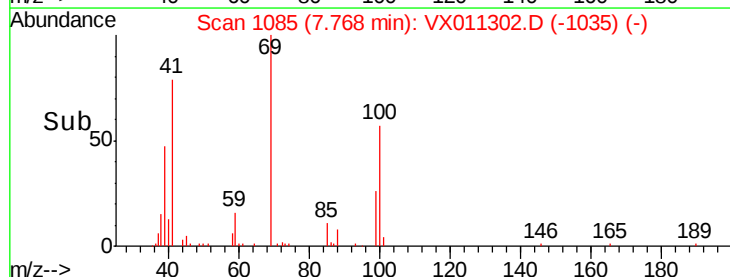
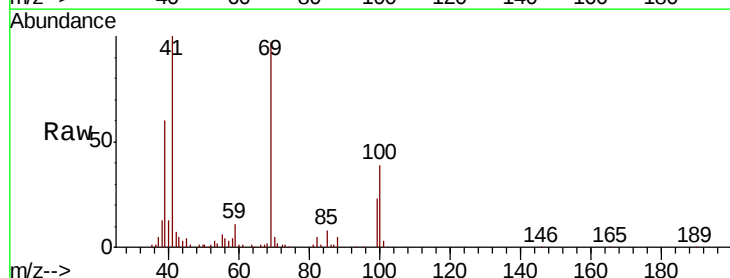
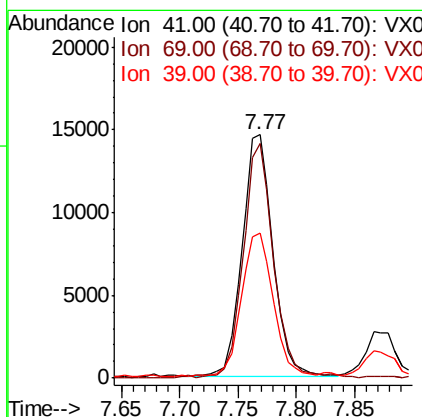
RT: 7.77 min Scan# 1085

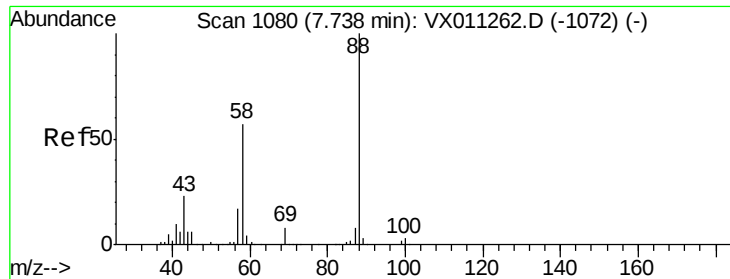
Delta R.T. 0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion:	41	Resp:	26928
Ion	Ratio	Lower	Upper
41	100		
69	94.0	74.5	111.7
39	61.9	48.6	72.8





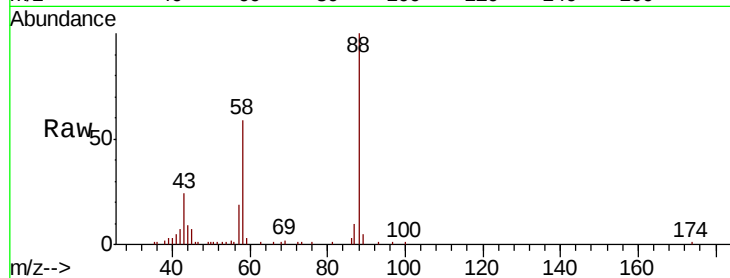
#49
1,4-Dioxane
Concen: 391.911 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampled :
VX0802WBSD01

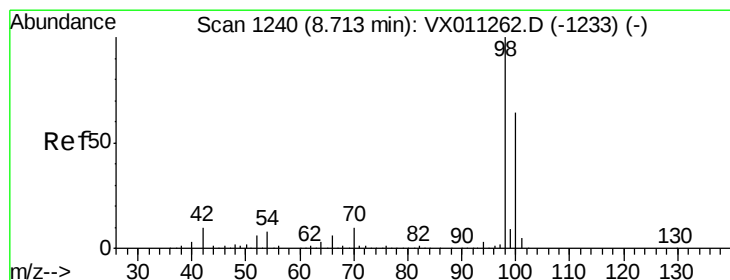
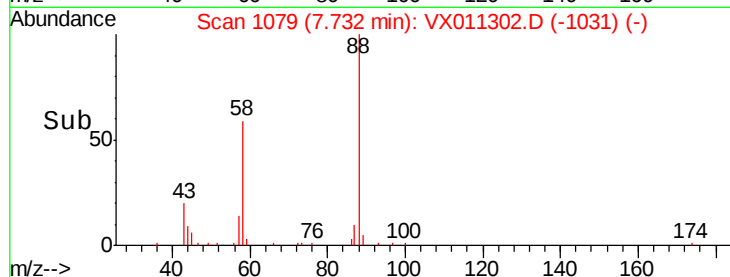
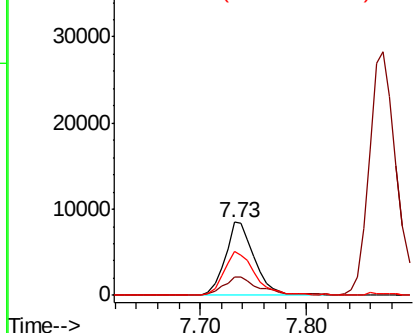
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.7	22.2	33.2
58	62.5	47.8	71.8

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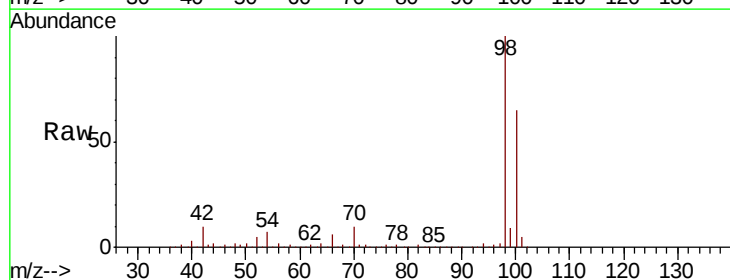


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

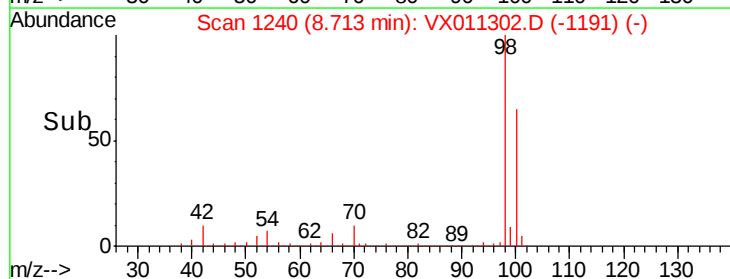
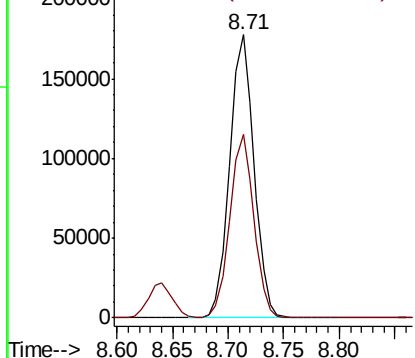


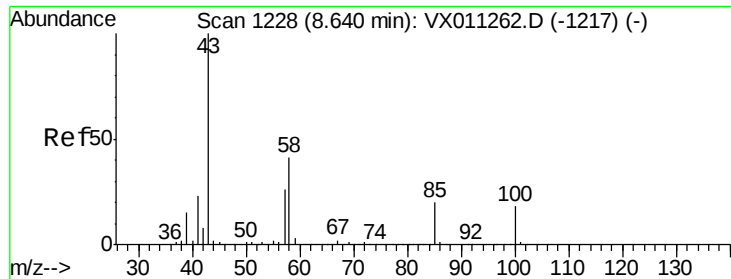
#50
Toluene-d8
Concen: 49.634 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





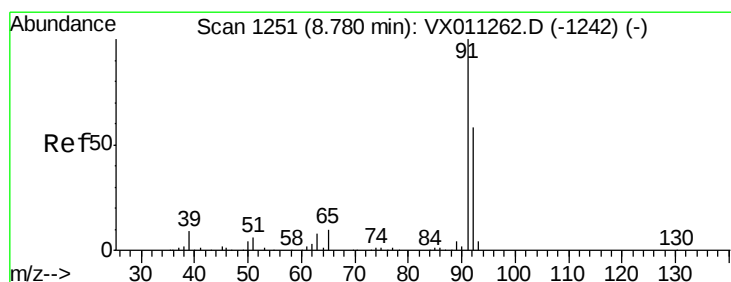
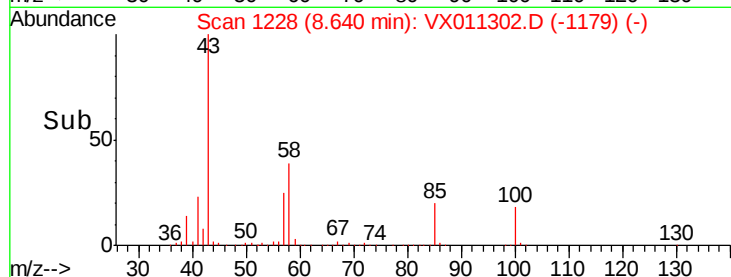
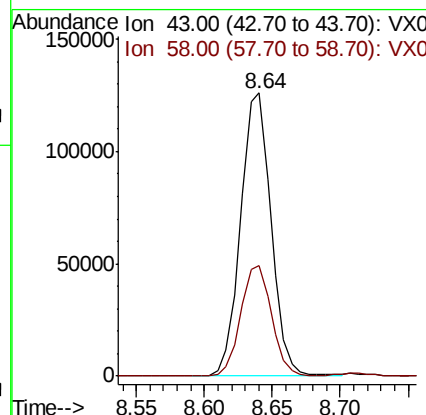
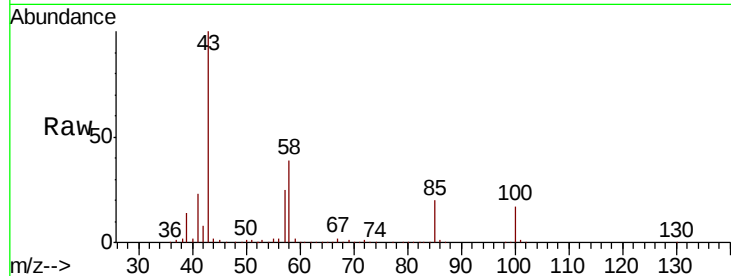
#51
 4-Methyl-2-Pentanone
 Concen: 99.007 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	32.3	48.5

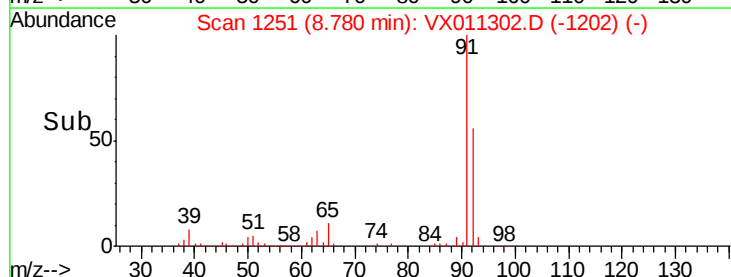
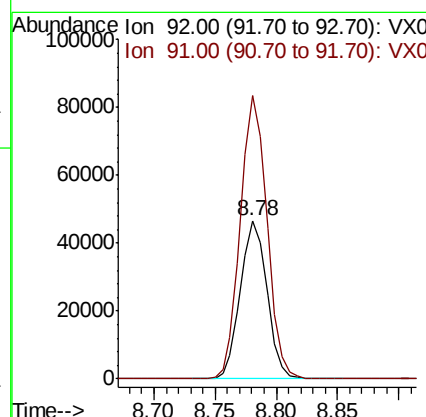
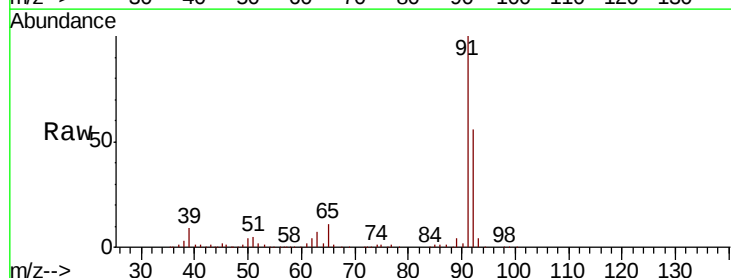
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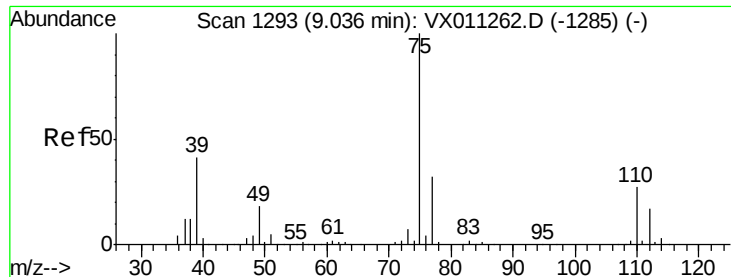
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#52
 Toluene
 Concen: 18.489 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	180.4	139.4	209.0





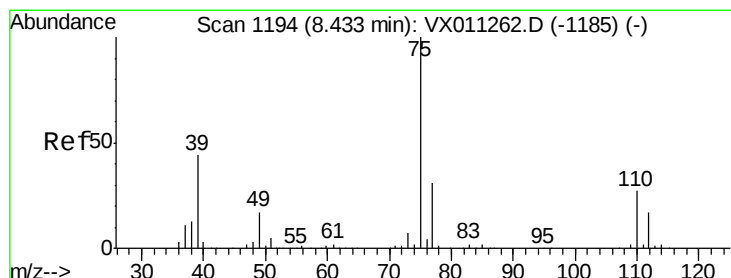
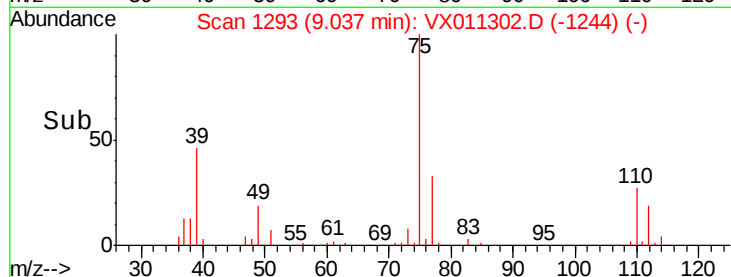
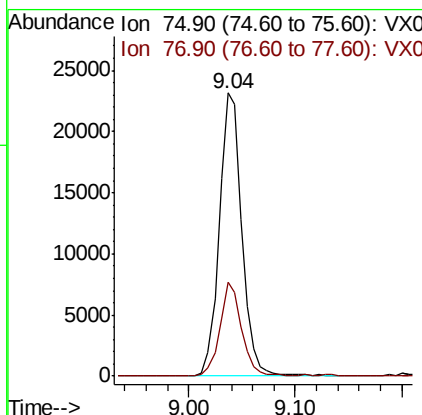
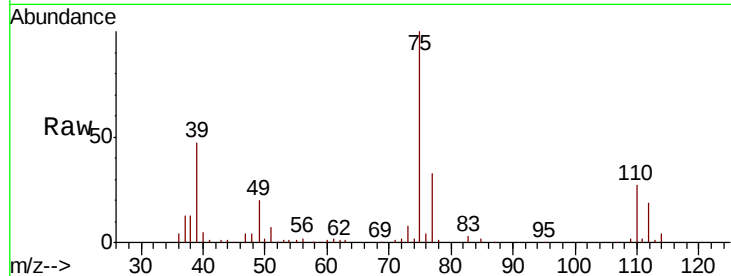
#53
 t-1,3-Dichloropropene
 Concen: 17.907 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0802WBSD01

Tot Ion: 75 Resp: 34098
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.0

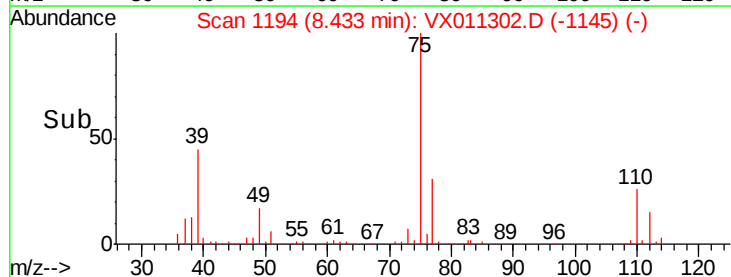
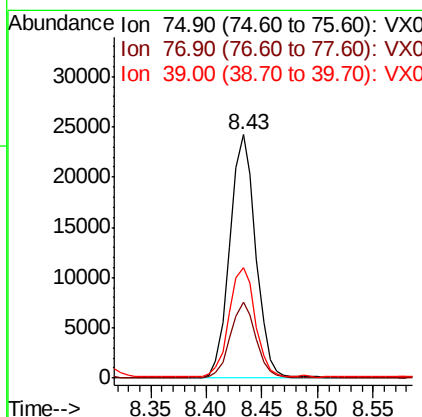
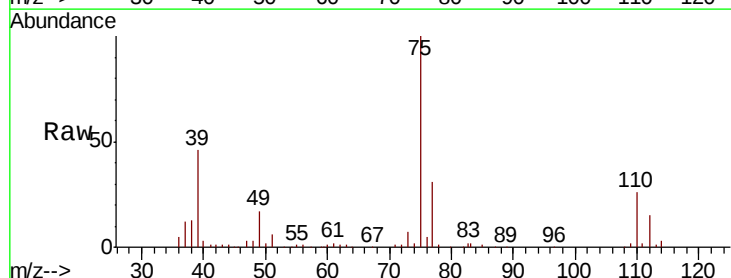
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#54
 cis-1,3-Dichloropropene
 Concen: 18.286 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Tgt Ion: 75 Resp: 39149
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.6
 39 45.0 35.3 52.9





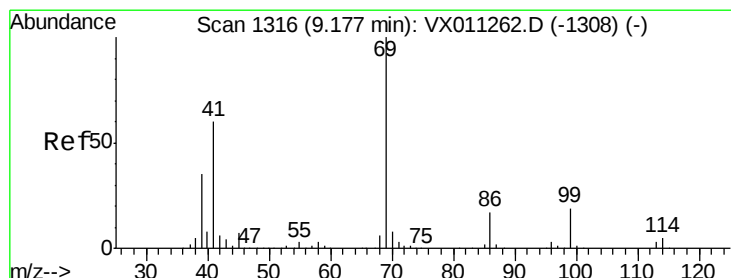
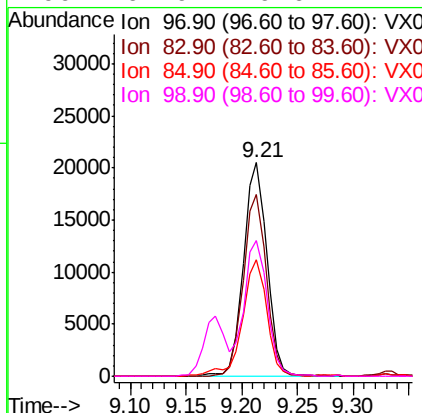
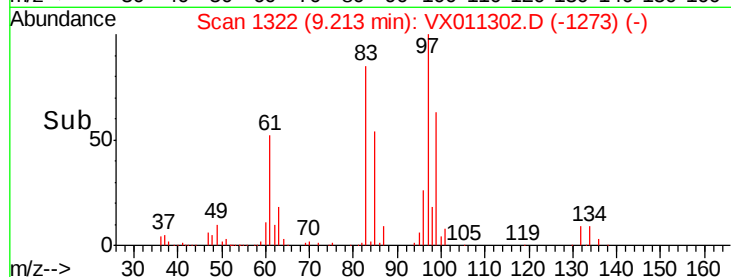
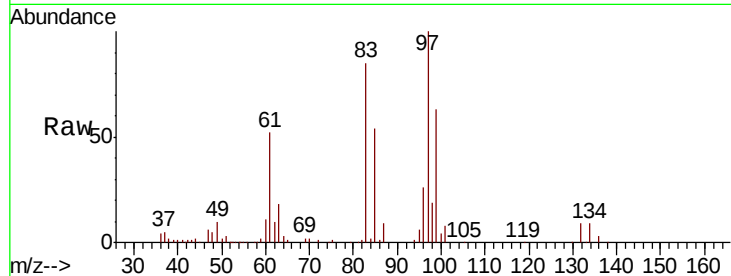
#55
 1,1,2-Trichloroethane
 Concen: 19.291 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBSD01

Tot Ion:	97	Resp:	30026
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.6	101.4
85	53.9	43.4	65.0
99	62.9	49.6	74.4

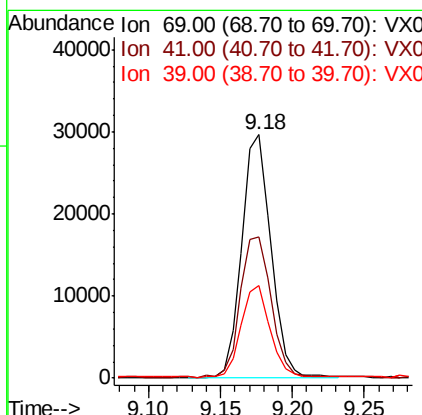
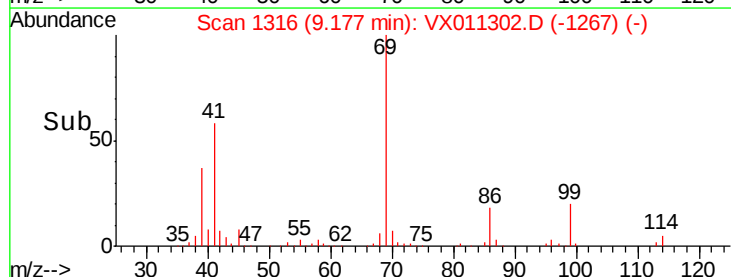
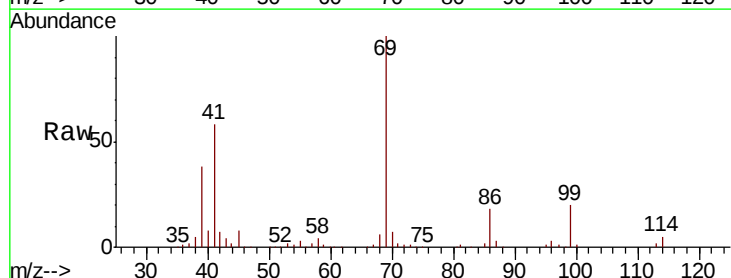
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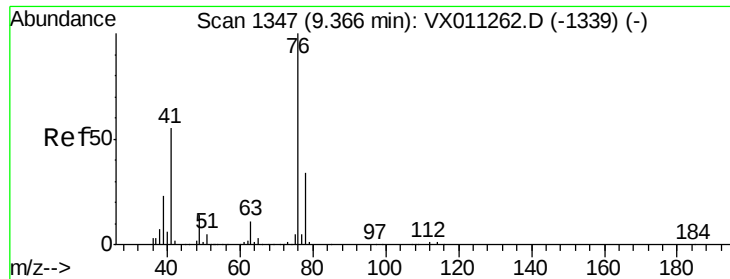
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#56
 Ethyl methacrylate
 Concen: 18.825 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Tgt Ion:	69	Resp:	41756
Ion	Ratio	Lower	Upper
69	100		
41	61.9	48.6	73.0
39	37.0	29.4	44.2





#57

1,3-Dichloropropane

Concen: 18.828 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampled :

VX0802WBSD01

Tot Ion: 76 Resp: 46346

Ion Ratio Lower Upper

76 100

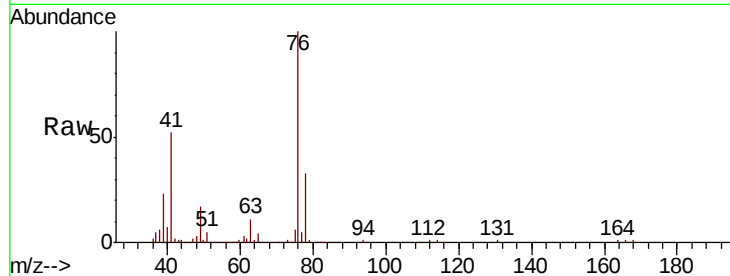
78 32.4 26.6 40.0

Manual Integrations

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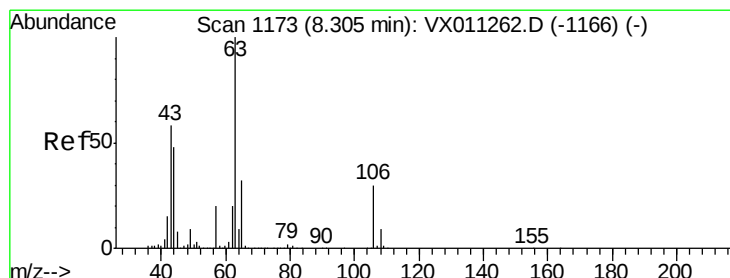
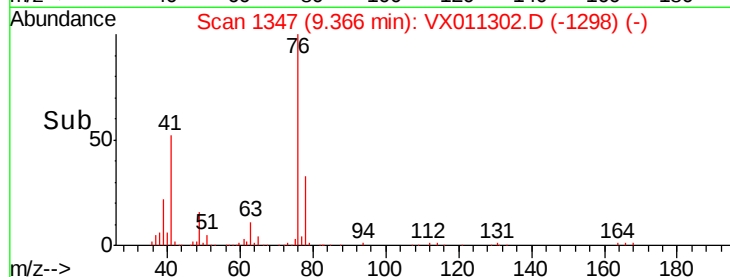
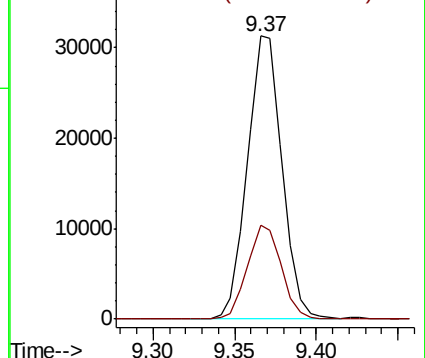
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 94.591 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011302.D

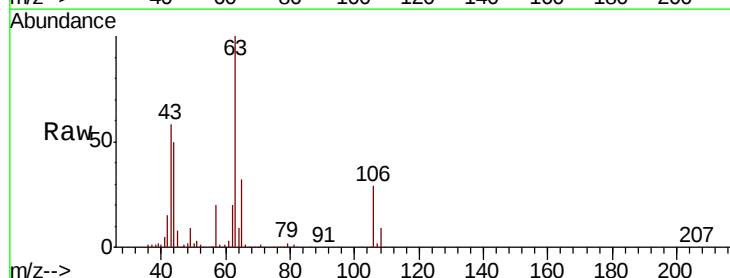
Acq: 02 Aug 2019 14:10

Tgt Ion: 63 Resp: 103161

Ion Ratio Lower Upper

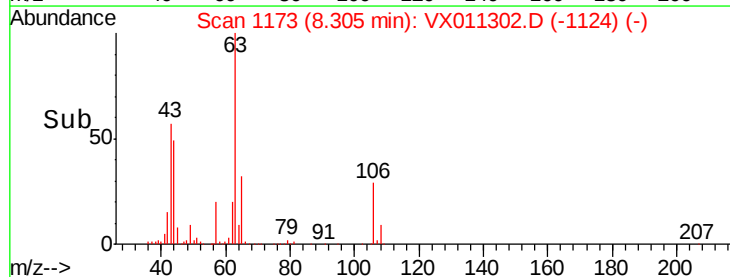
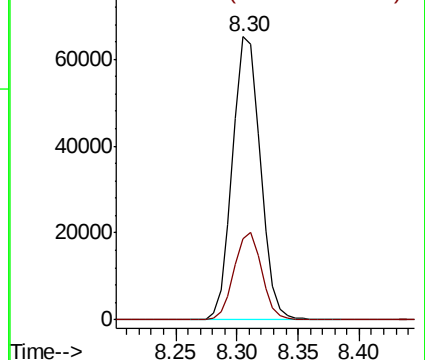
63 100

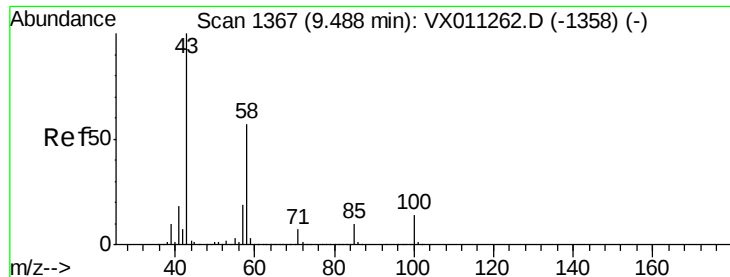
106 30.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





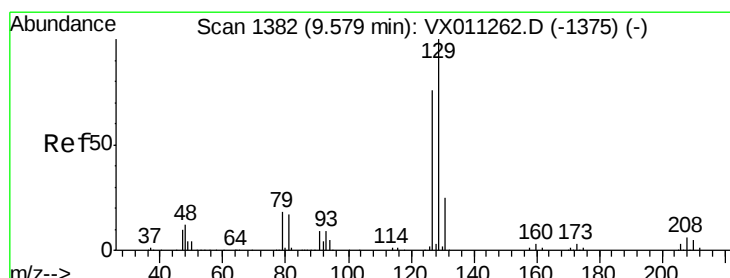
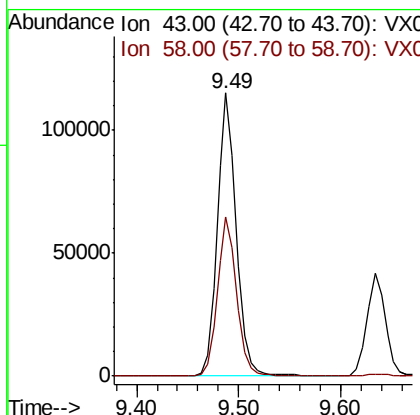
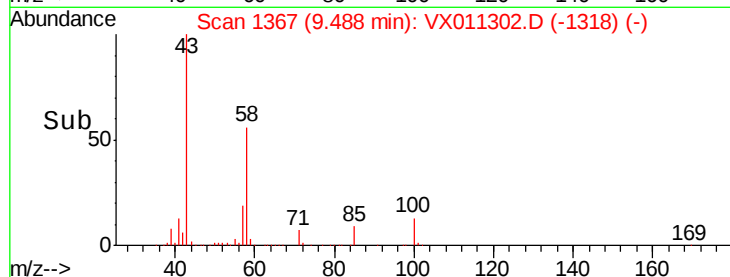
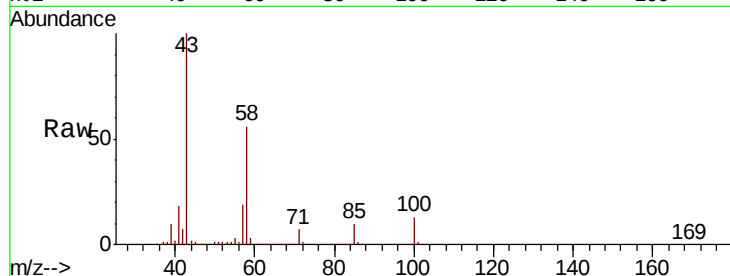
#59
2-Hexanone
Concen: 97.243 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampled :
VX0802WBSD01

Tot Ion: 43 Resp: 149573
Ion Ratio Lower Upper
43 100
58 56.9 28.2 84.6

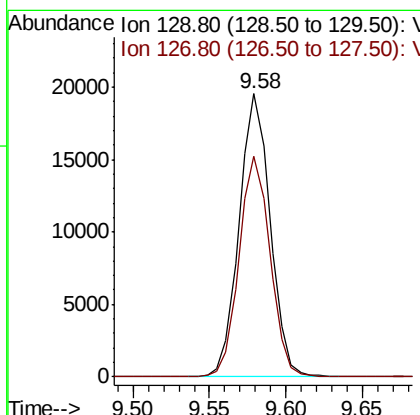
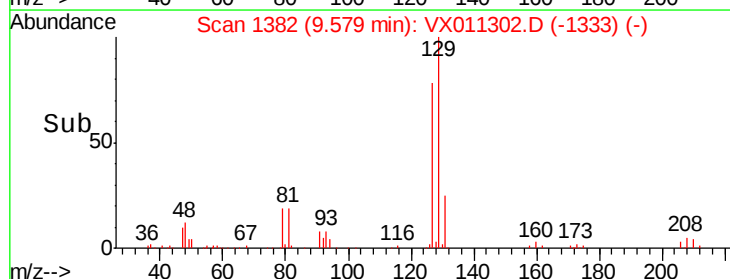
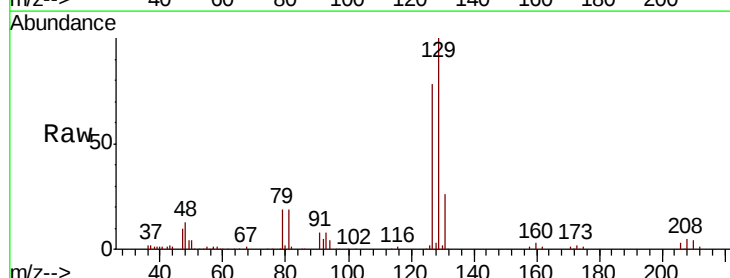
Manual Integrations
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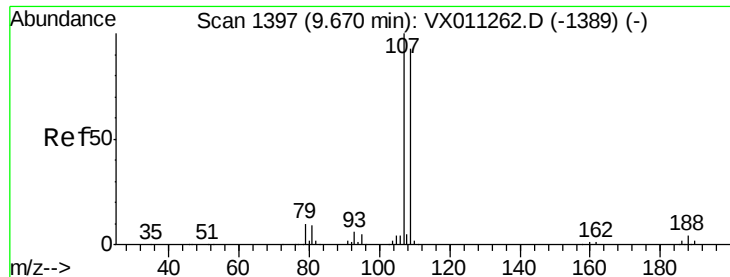
MMDadoda
8/6/2019 12:11:31 PM



#60
Dibromochloromethane
Concen: 17.252 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion:129 Resp: 27491
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





#61

1,2-Dibromoethane

Concen: 18.681 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion:107 Resp: 31414

Ion Ratio Lower Upper

107 100

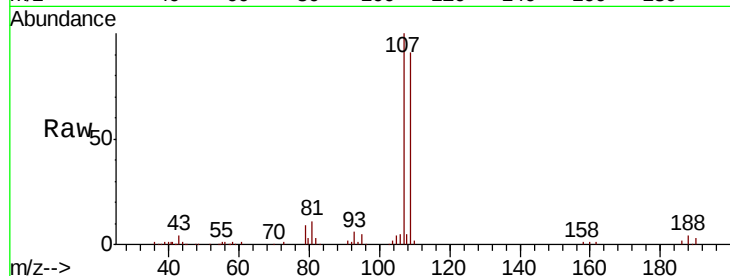
109 96.3 76.6 114.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

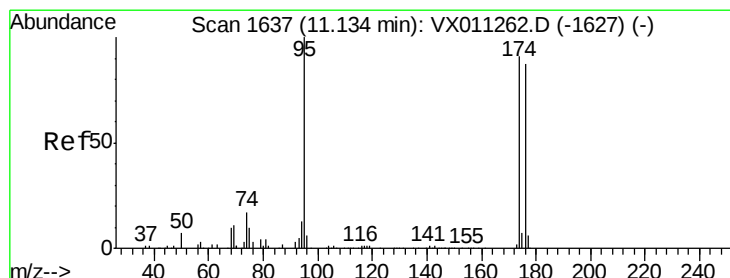
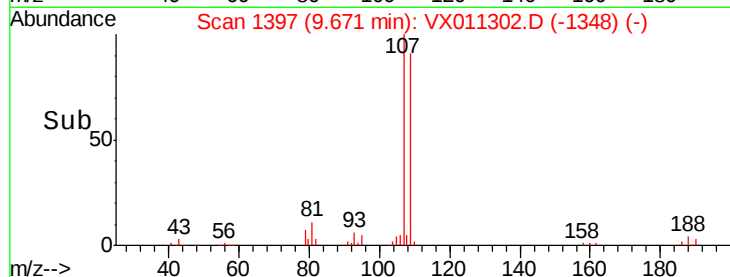
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.433 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

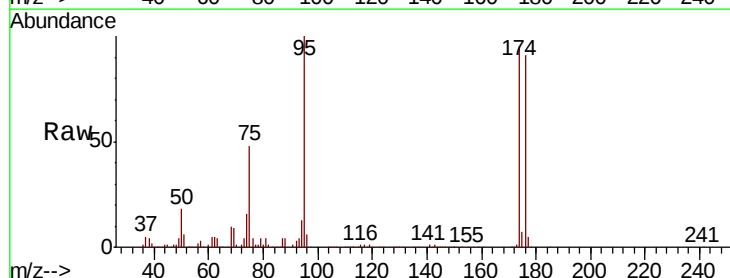
Tgt Ion: 95 Resp: 93651

Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.2

176 93.7 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

100000

80000

60000

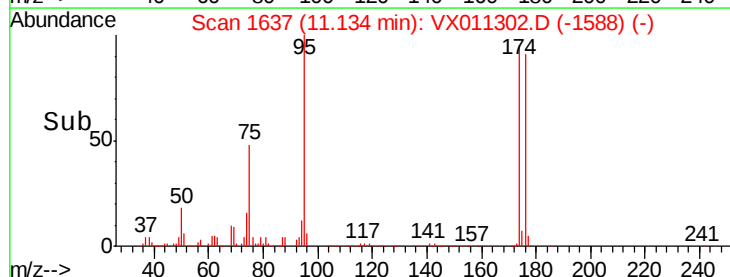
40000

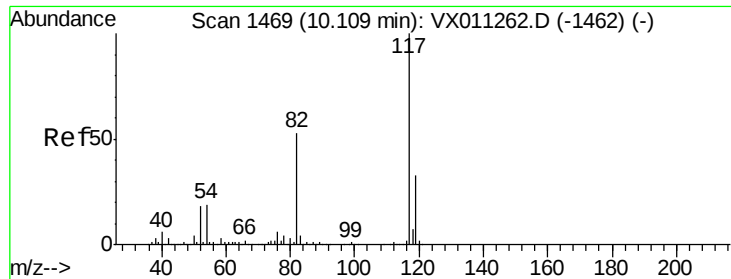
20000

0

Time-->

11.10 11.15 11.20





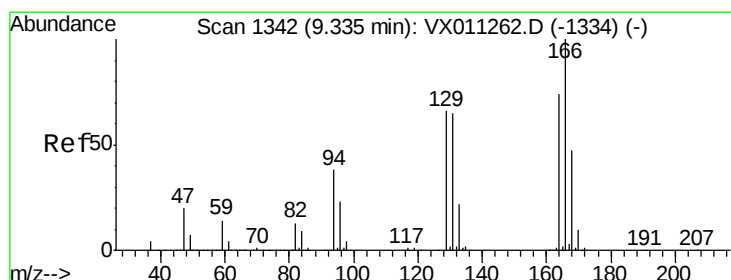
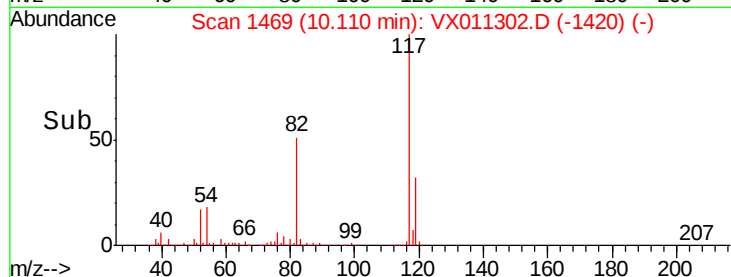
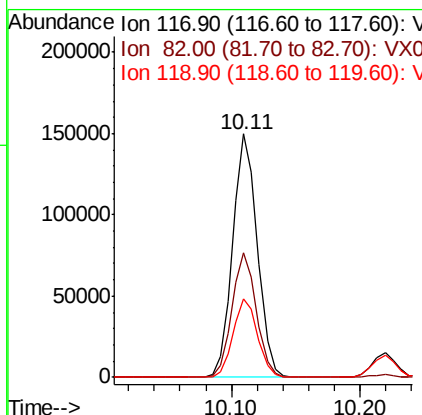
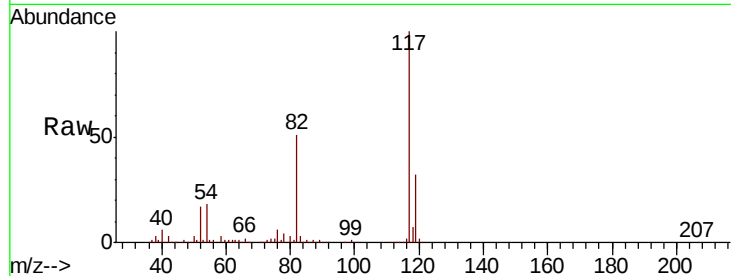
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.2	63.2
119	32.0	26.6	39.8

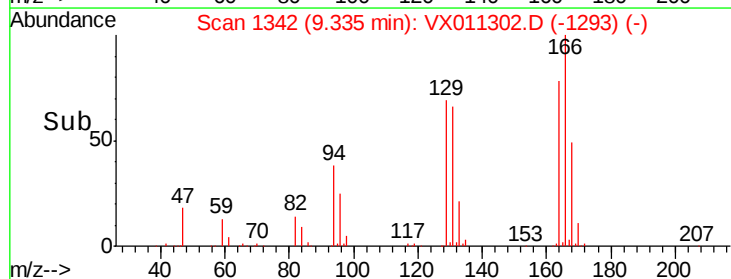
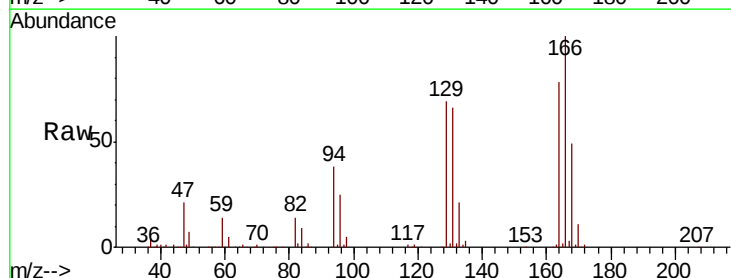
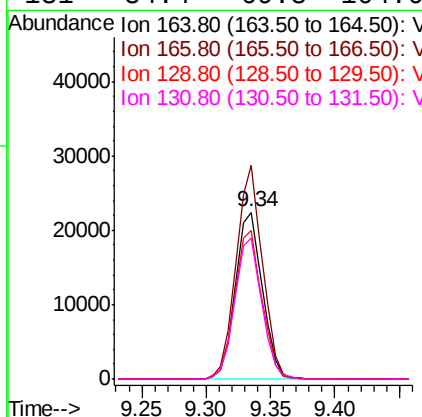
Manual Integrations
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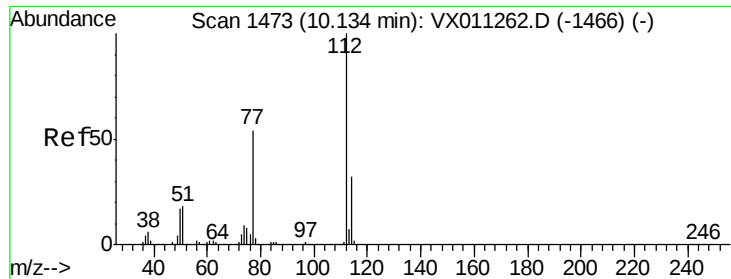
MMDadoda
8/6/2019 12:11:31 PM



#64
Tetrachloroethene
Concen: 19.322 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	107.5	161.3
129	88.8	71.0	106.4
131	84.4	69.8	104.6





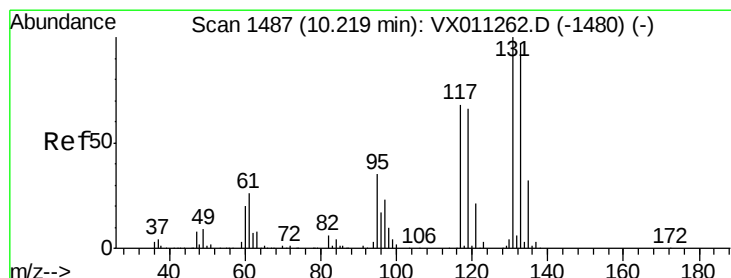
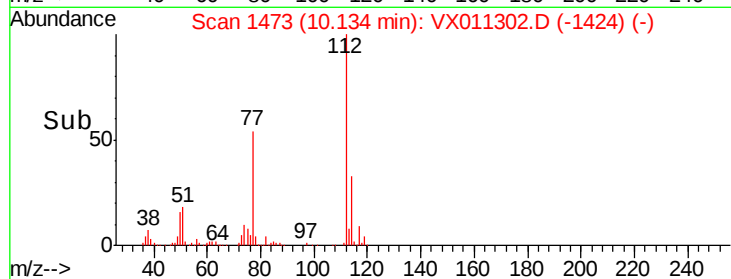
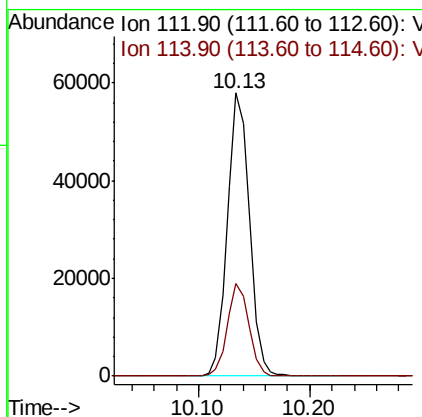
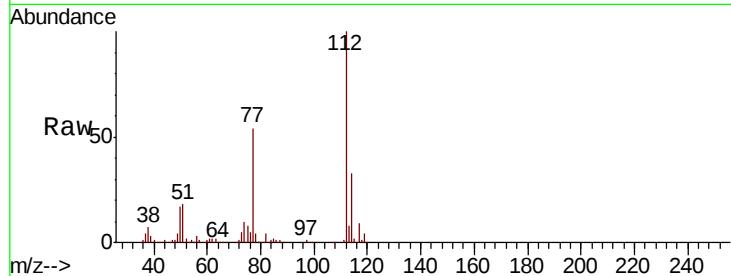
#65
Chlorobenzene
Concen: 18.596 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion:112 Resp: 79569
Ion Ratio Lower Upper
112 100
114 32.8 25.9 38.9

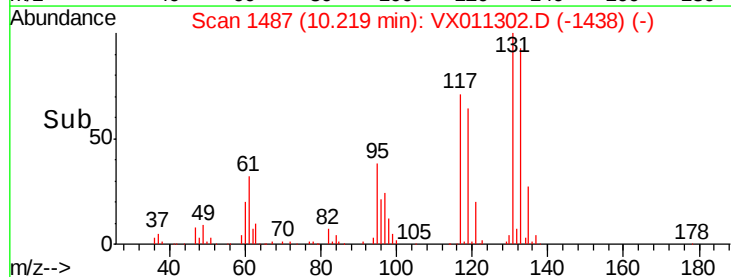
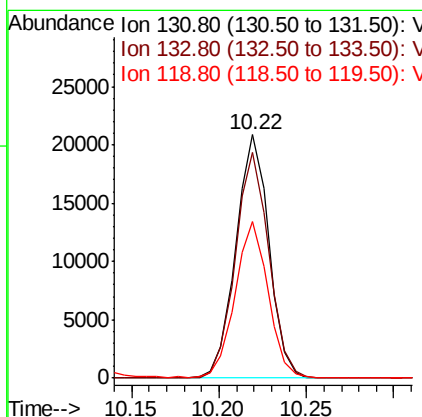
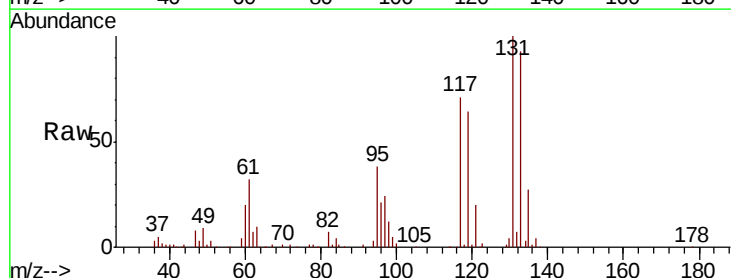
Manual Integrations
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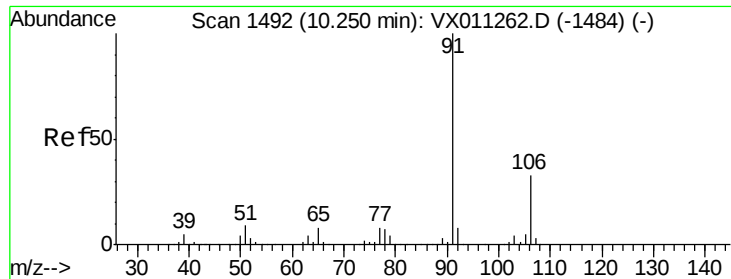
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.743 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion:131 Resp: 27457
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 64.4 32.8 98.3





#67

Ethyl Benzene

Concen: 19.113 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 91 Resp: 136965

Ion Ratio Lower Upper

91 100

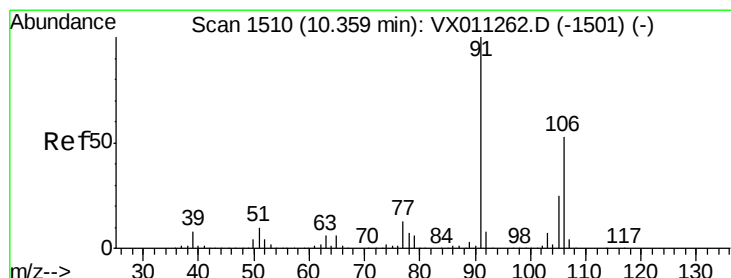
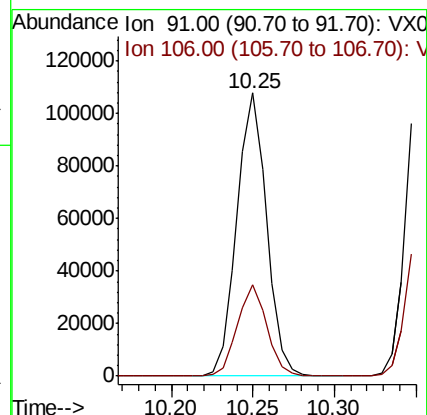
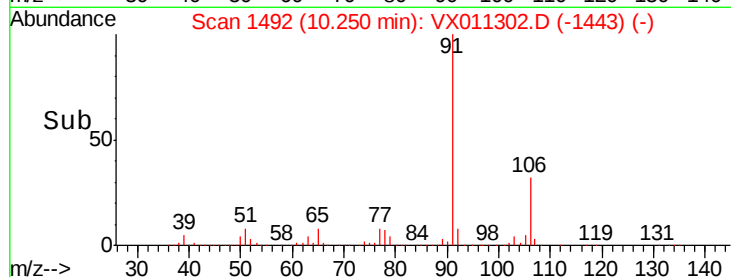
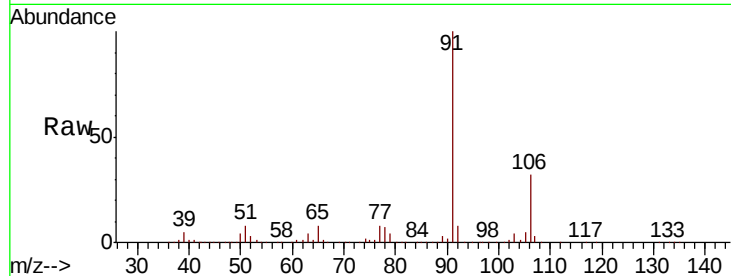
106 32.4 26.2 39.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.761 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011302.D

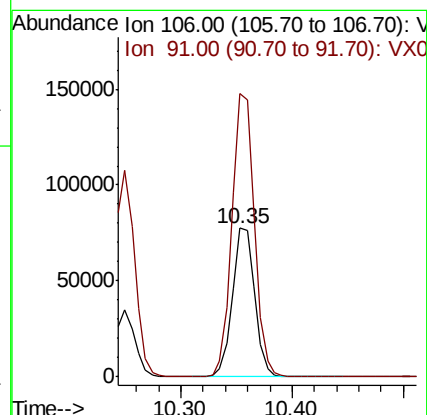
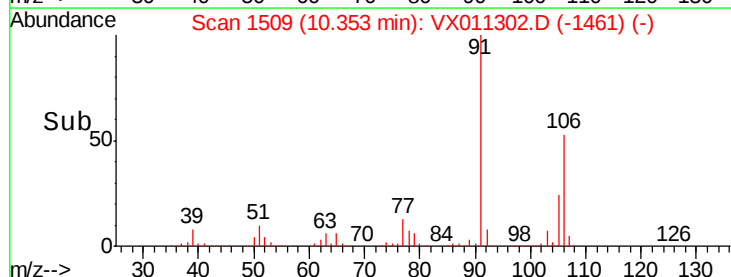
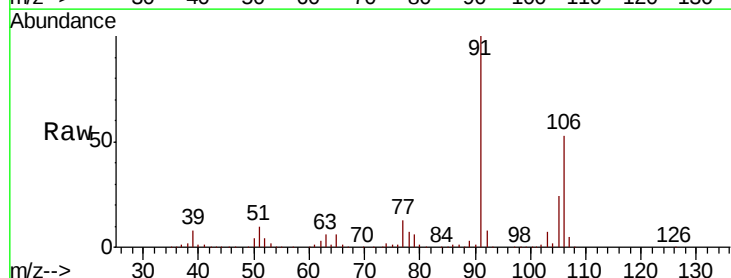
Acq: 02 Aug 2019 14:10

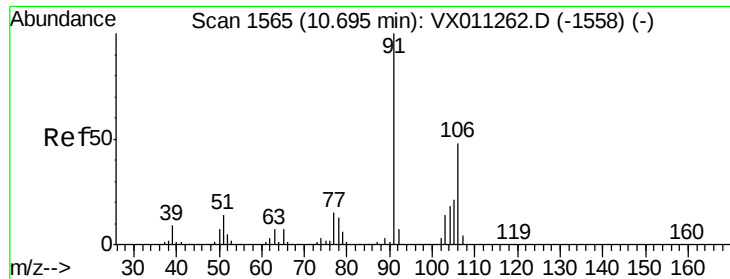
Tgt Ion: 106 Resp: 107440

Ion Ratio Lower Upper

106 100

91 192.2 155.9 233.9





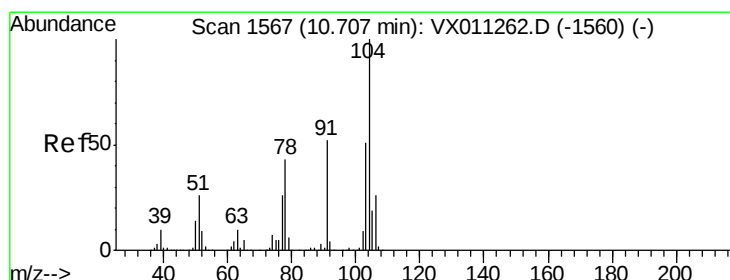
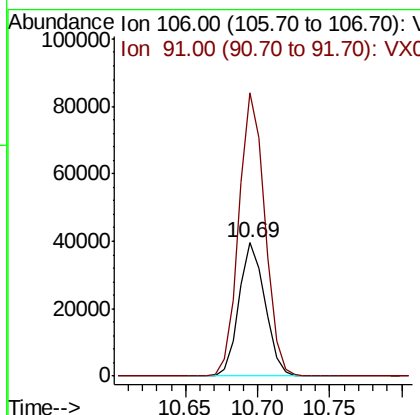
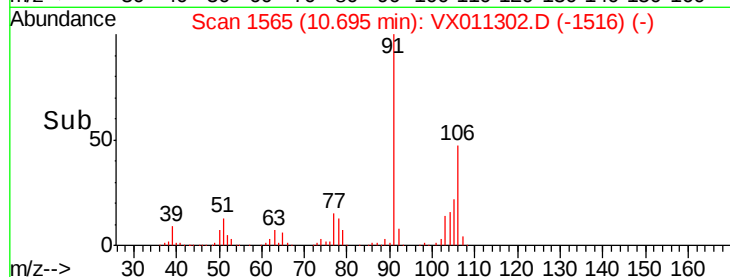
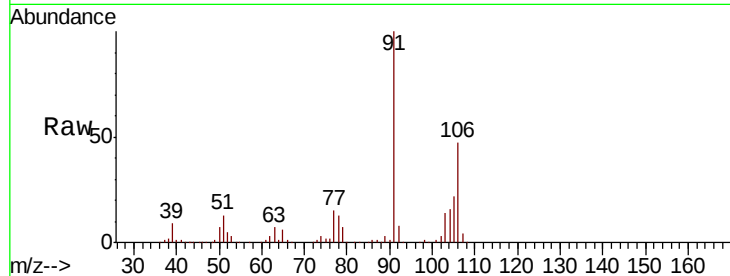
#69
o-Xylene
Concen: 18.274 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	103.8	311.3

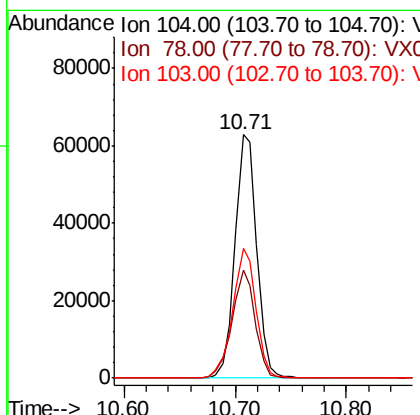
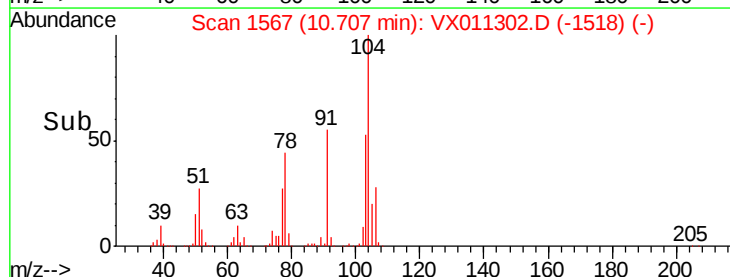
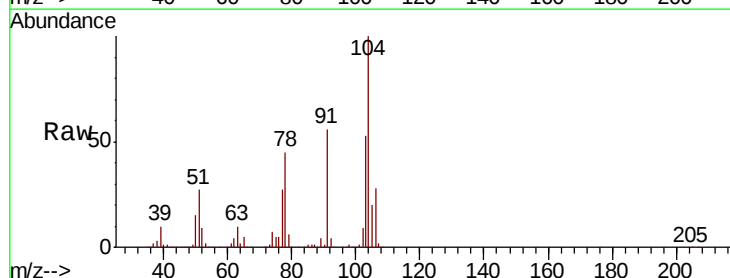
Manual Integrations
APPROVED

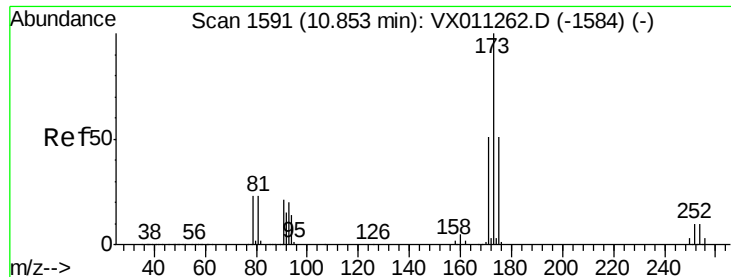
MMDadoda
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#70
Styrene
Concen: 18.825 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	36.9	55.3
103	57.3	44.4	66.6





#71

Bromoform

Concen: 17.105 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion:173 Resp: 19813

Ion Ratio Lower Upper

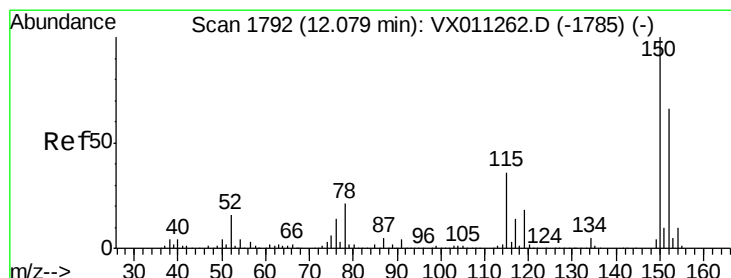
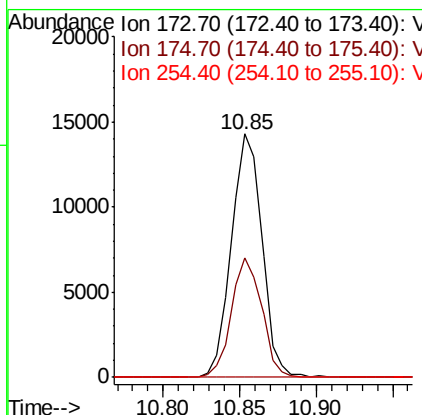
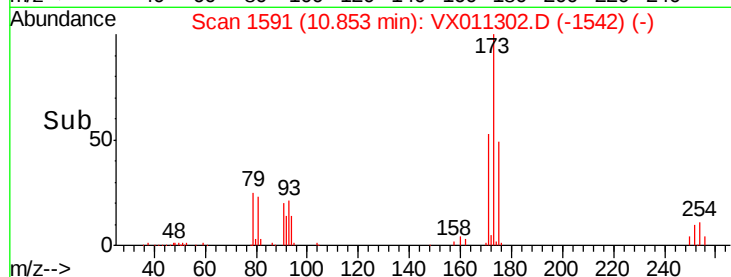
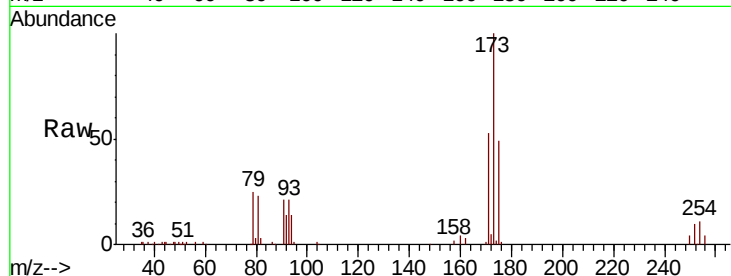
173 100

175 48.6 24.4 73.4

254 0.0 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

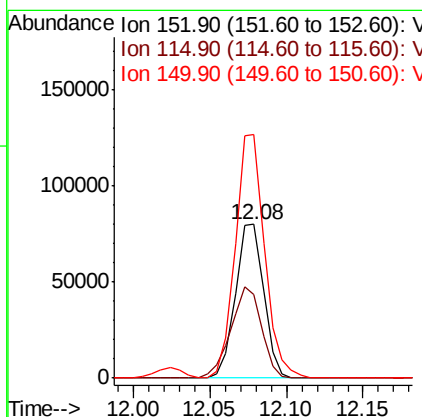
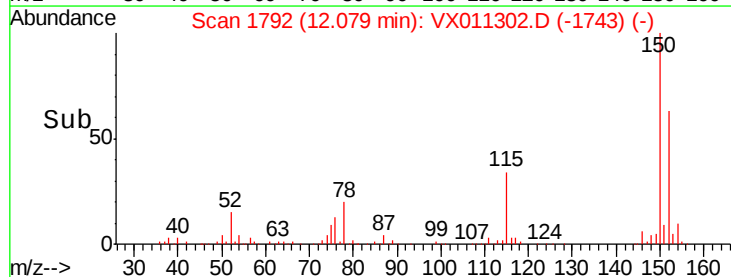
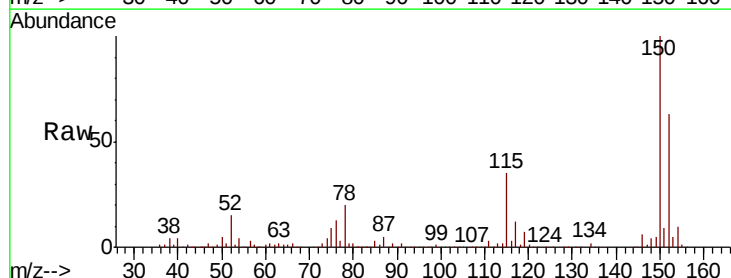
Tgt Ion:152 Resp: 102944

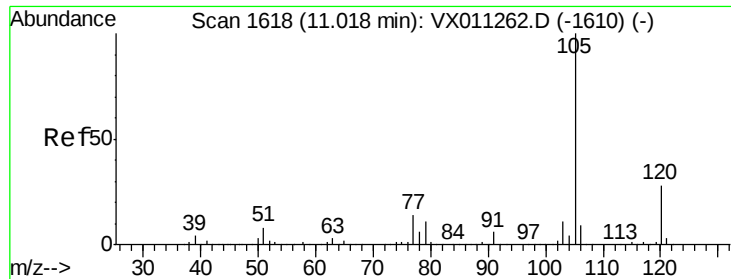
Ion Ratio Lower Upper

152 100

115 64.3 40.0 119.9

150 163.9 0.0 350.4





#73

Isopropylbenzene

Concen: 19.440 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 105 Resp: 136872

Ion Ratio Lower Upper

105 100

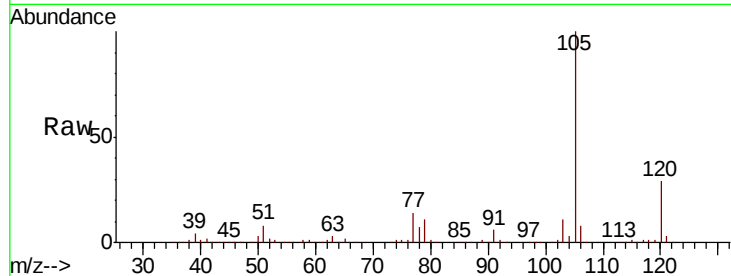
120 27.8 13.7 41.1

Manual Integrations

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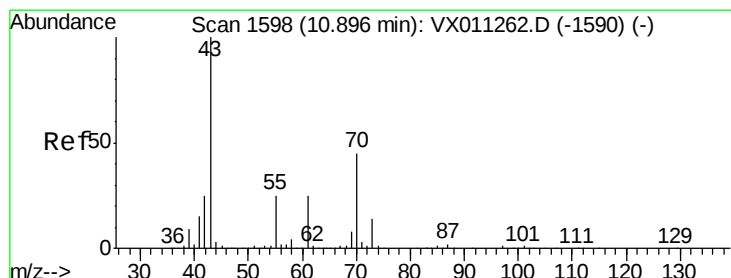
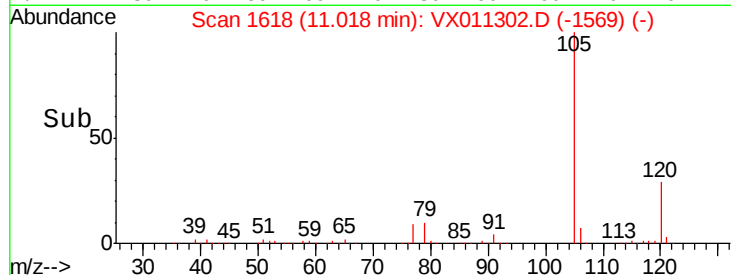
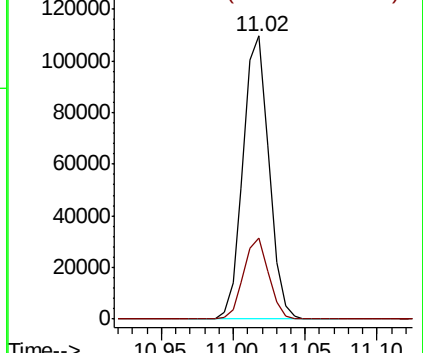
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.604 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion: 43 Resp: 49873

Ion Ratio Lower Upper

43 100

70 44.5 35.9 53.9

55 25.7 19.8 29.6

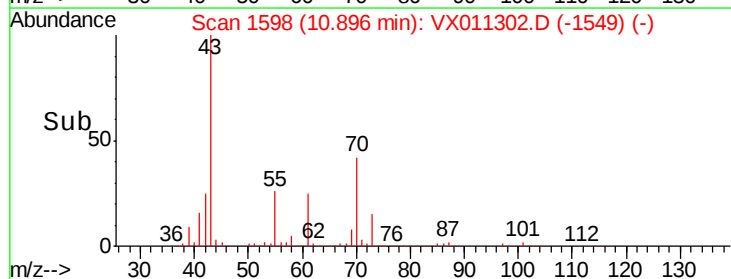
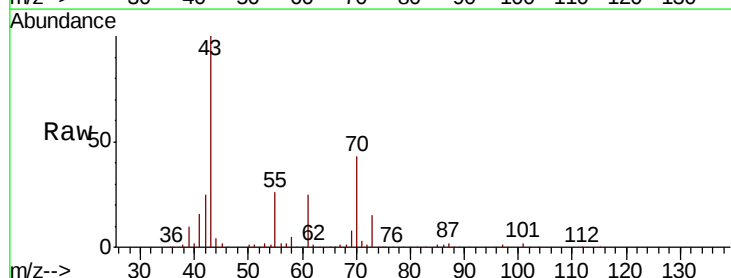
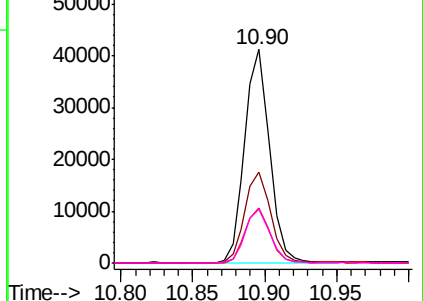
61 25.0 19.7 29.5

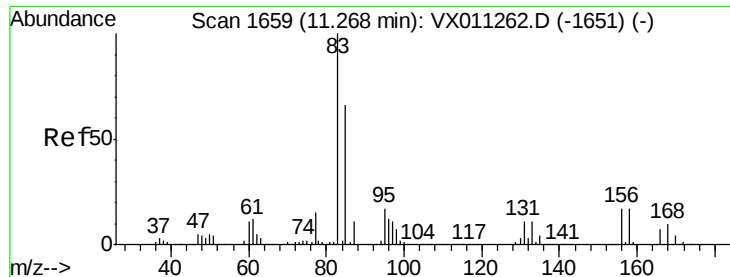
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.881 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

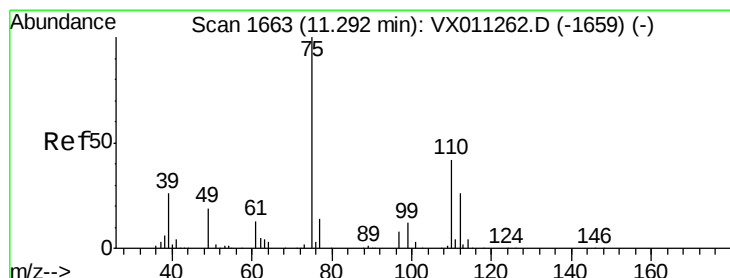
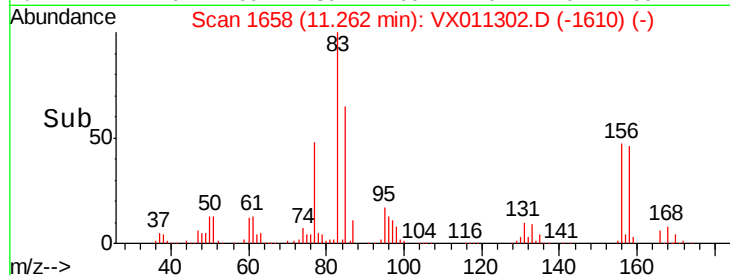
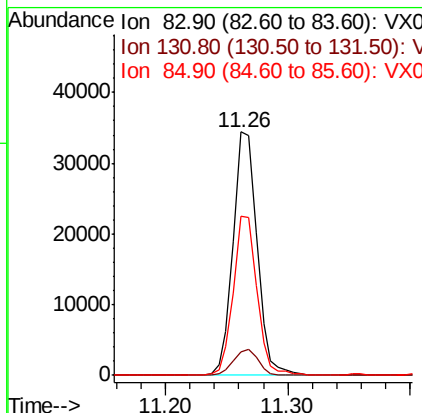
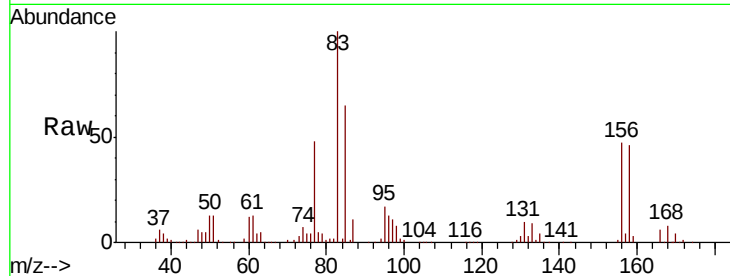
ClientSampleId :

VX0802WBSD01

Tot Ion:	83	Resp:	46646
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	64.3	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.370 ug/l m

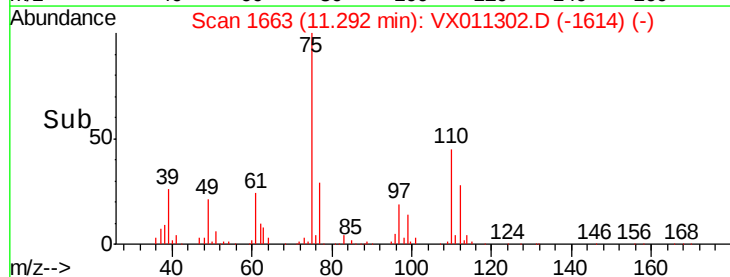
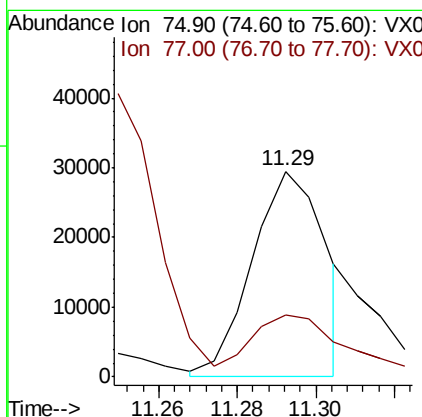
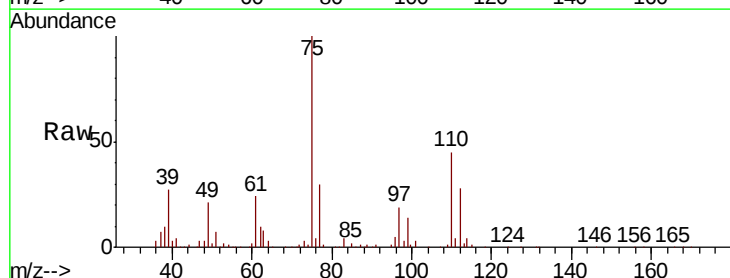
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion:	75	Resp:	38189
Ion Ratio	Lower	Upper	
75	100		
77	39.1	21.1	63.4





#77

Bromobenzene

Concen: 19.528 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

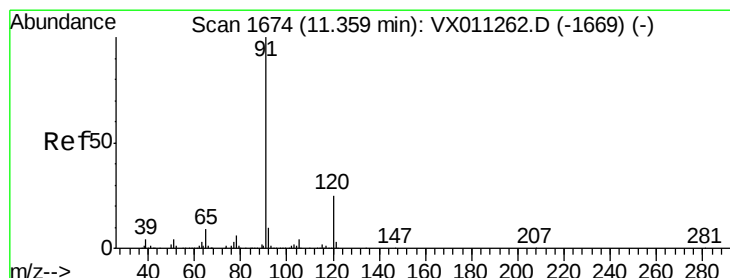
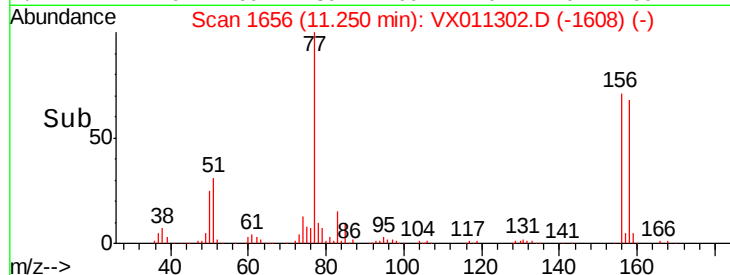
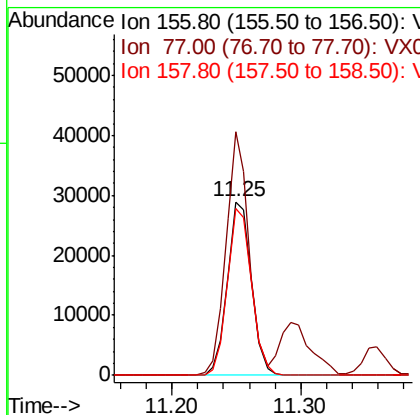
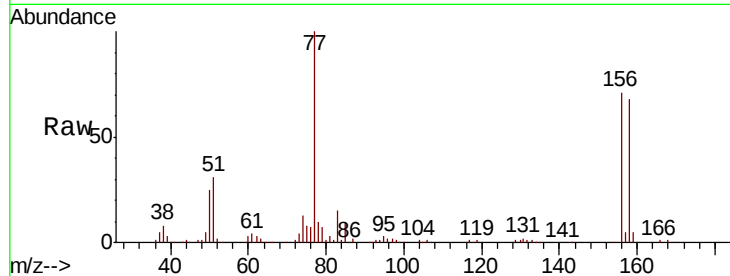
ClientSampled :

VX0802WBSD01

Tot Ion:	156	Resp:	38125
Ion Ratio	Lower	Upper	
156	100		
77	132.6	66.2	198.6
158	96.5	49.1	147.3

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#78

n-propylbenzene

Concen: 19.294 ug/l

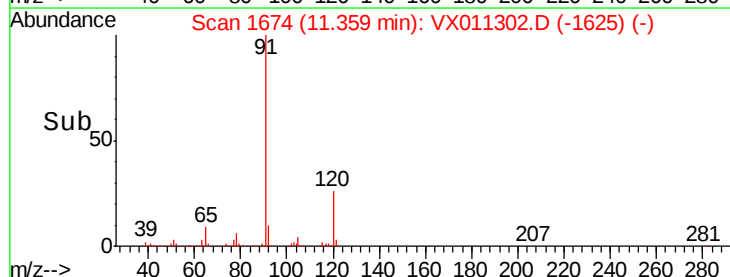
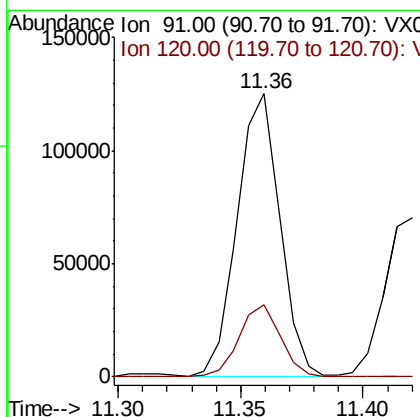
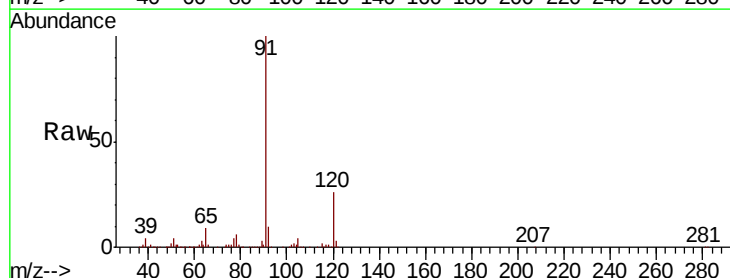
RT: 11.36 min Scan# 1674

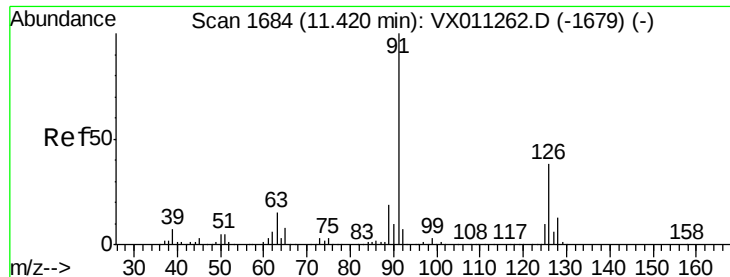
Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion:	91	Resp:	151068
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.4	37.0





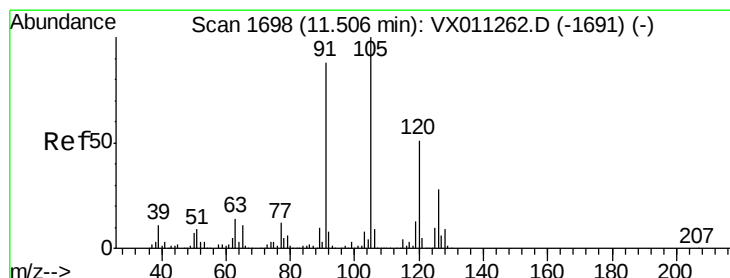
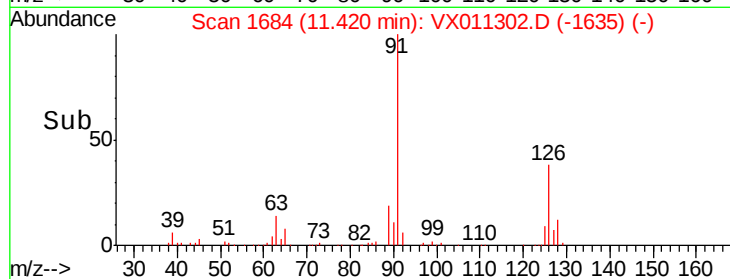
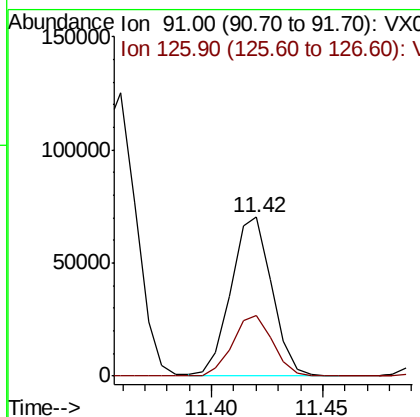
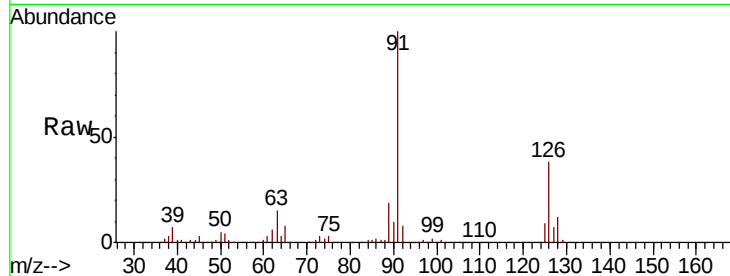
#79
2-Chlorotoluene
Concen: 19.055 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampled :
VX0802WBSD01

Tot Ion: 91 Resp: 88925
Ion Ratio Lower Upper
91 100
126 37.9 18.5 55.5

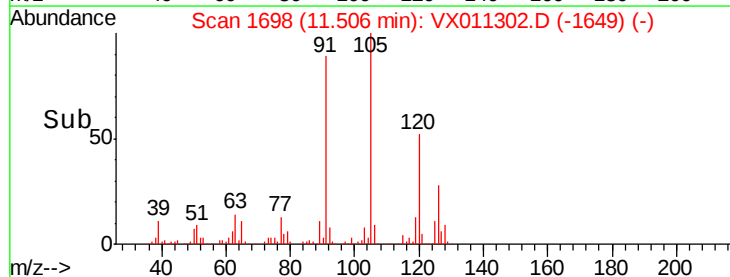
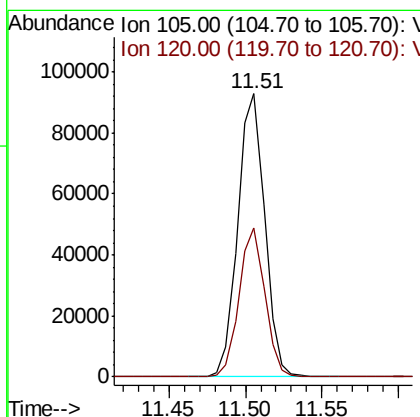
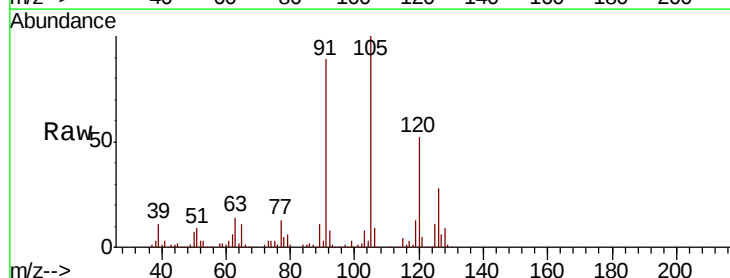
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 19.205 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion: 105 Resp: 113188
Ion Ratio Lower Upper
105 100
120 50.6 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.509 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion: 75 Resp: 10793

Ion Ratio Lower Upper

75 100

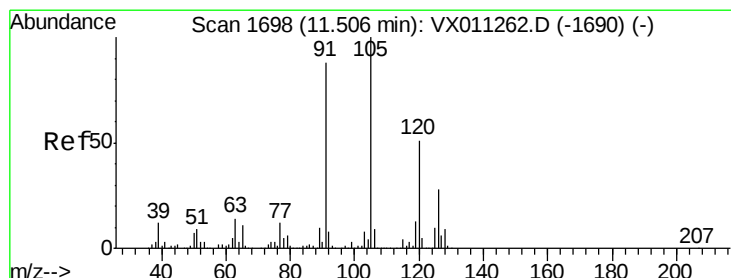
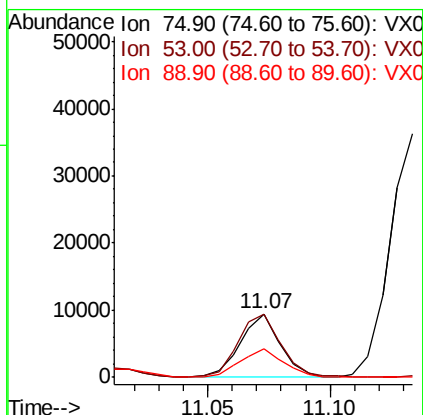
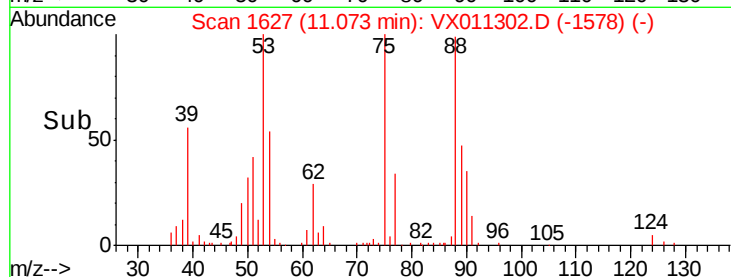
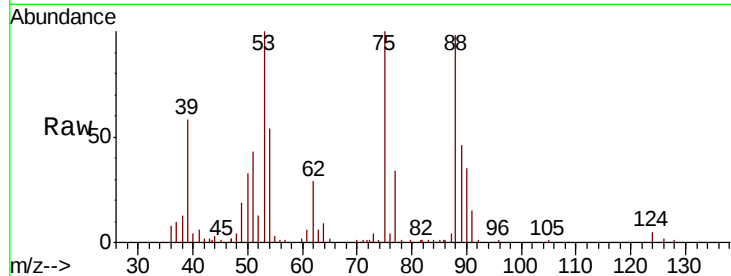
53 107.2 78.2 117.4

89 49.6 37.9 56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.188 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011302.D

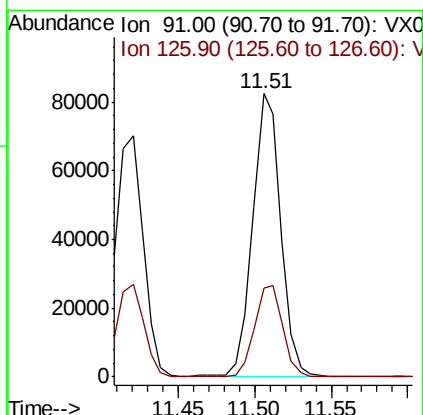
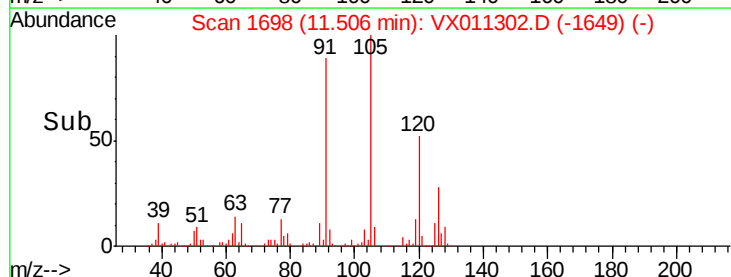
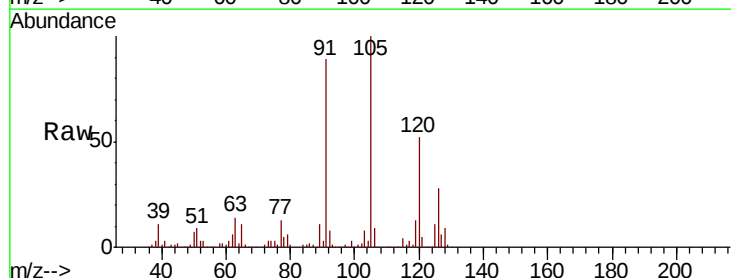
Acq: 02 Aug 2019 14:10

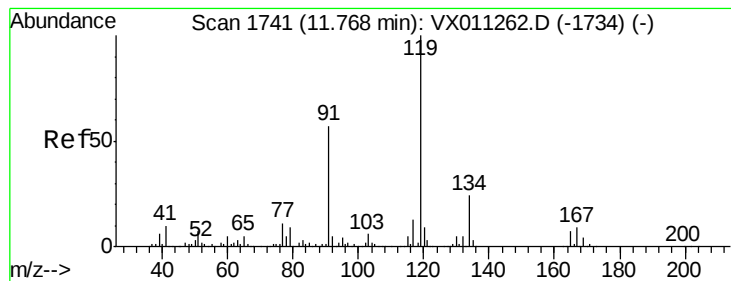
Tgt Ion: 91 Resp: 104355

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.2





#83

tert-Butylbenzene

Concen: 19.196 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

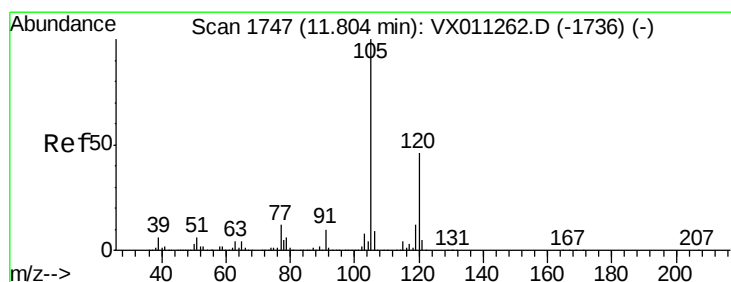
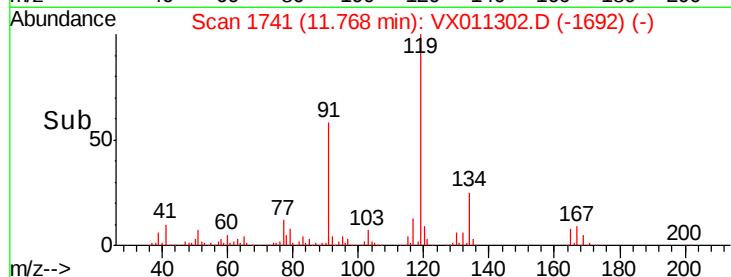
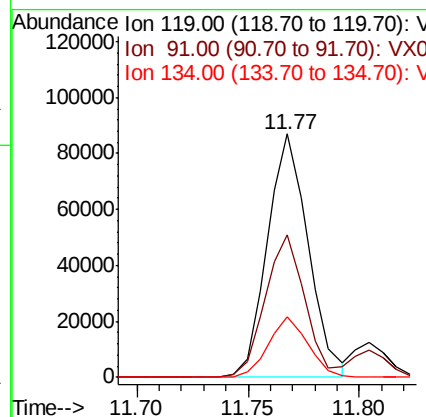
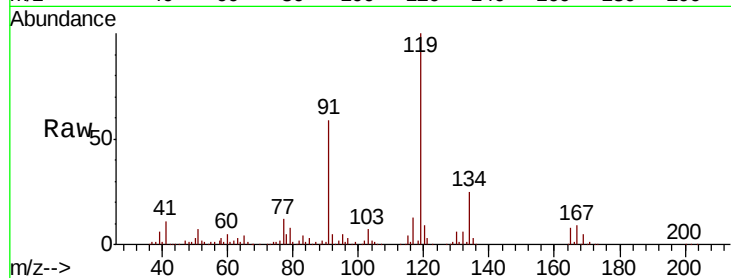
ClientSampled :

VX0802WBSD01

Tot Ion:	119	Resp:	110964
Ion Ratio	Lower	Upper	
119	100		
91	57.5	28.0	84.0
134	24.2	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.564 ug/l

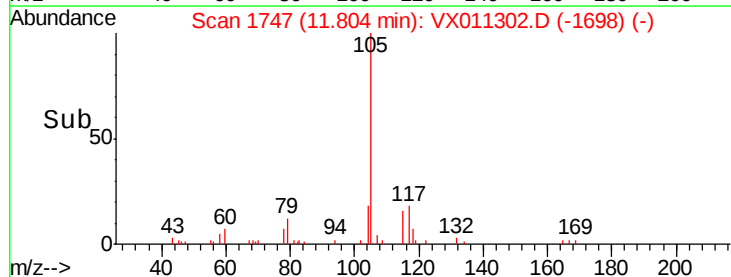
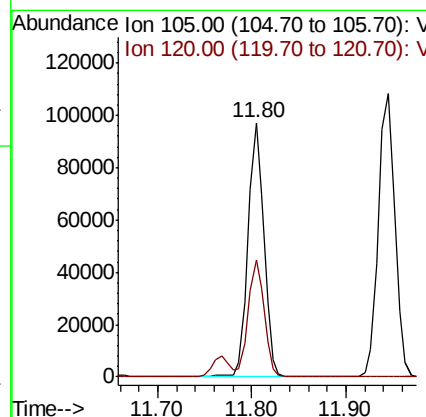
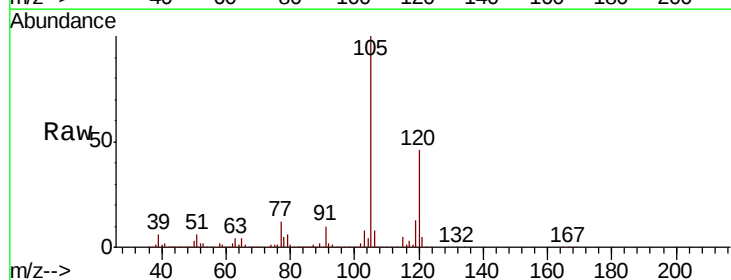
RT: 11.80 min Scan# 1747

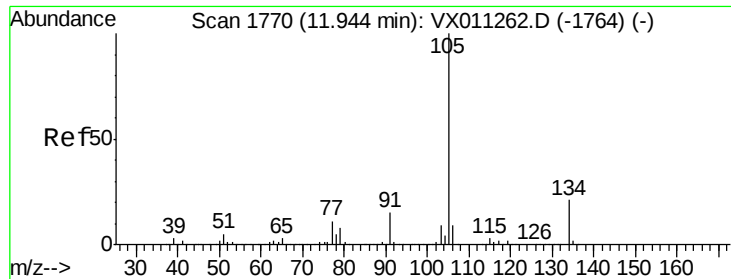
Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion:	105	Resp:	114799
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 19.146 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBSD01

Tot Ion:105 Resp: 132971

Ion Ratio Lower Upper

105 100

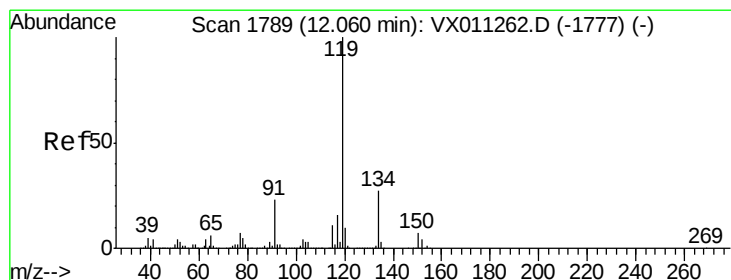
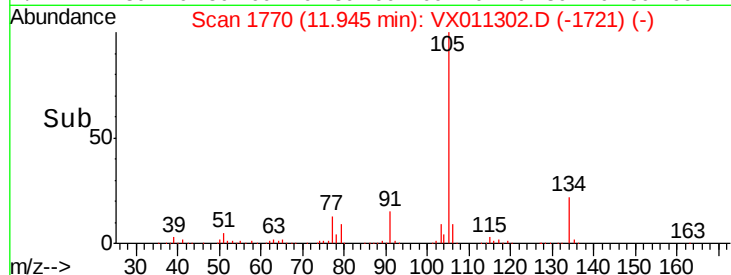
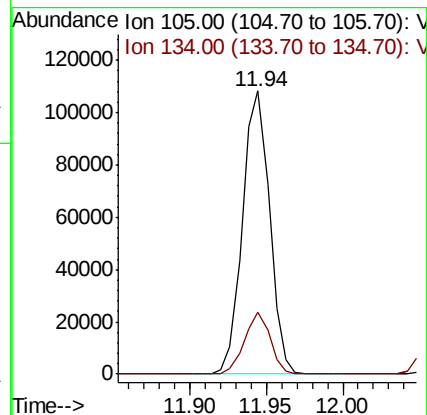
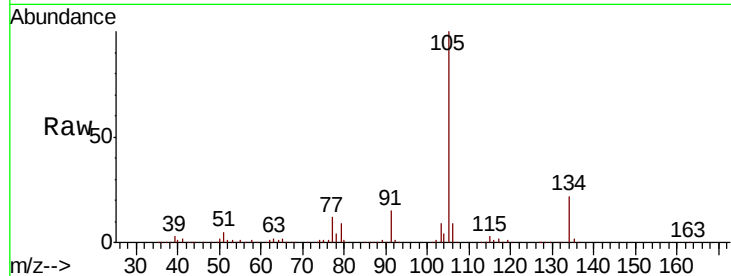
134 20.8 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.200 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

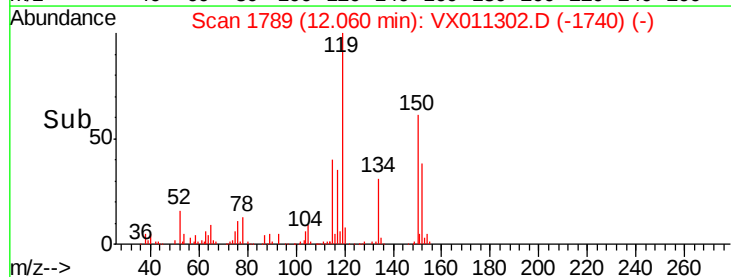
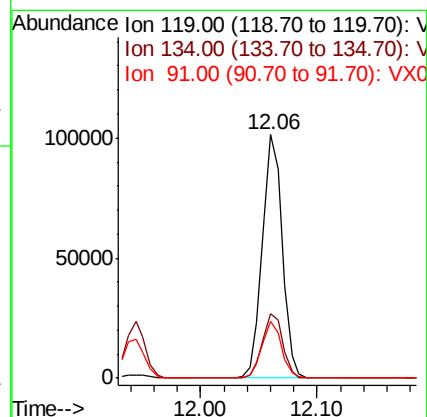
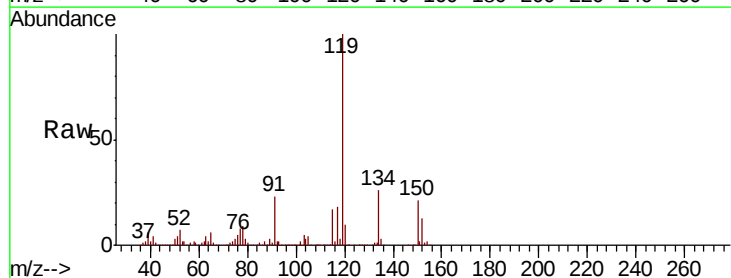
Tgt Ion:119 Resp: 122673

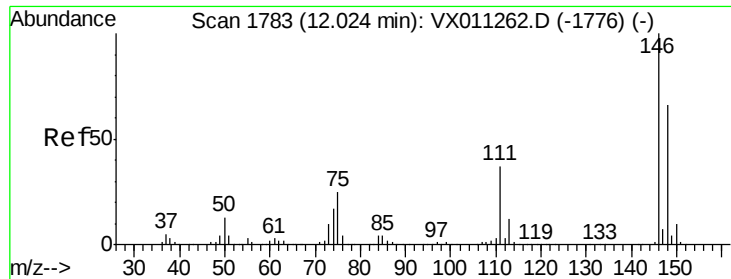
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 23.3 11.4 34.2





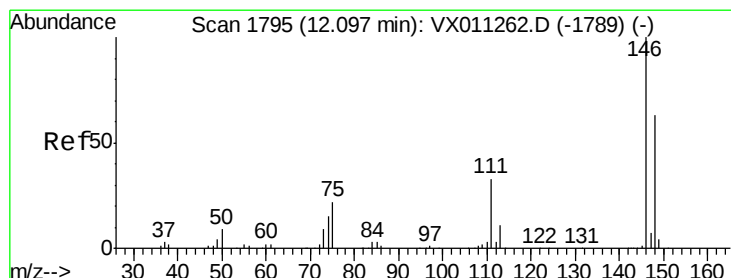
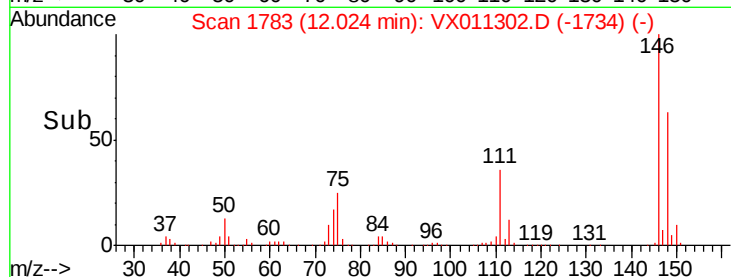
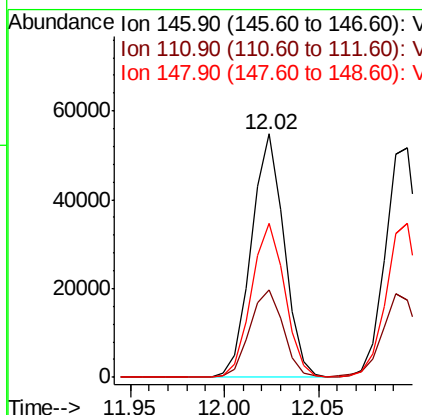
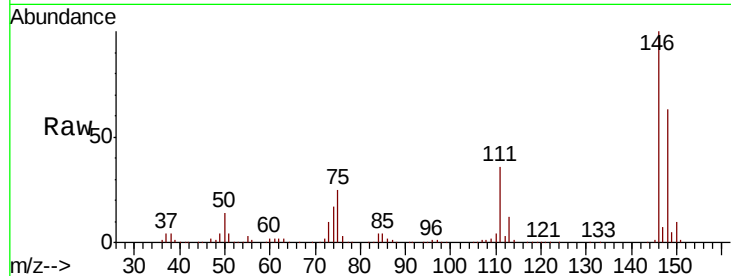
#87
 1,3-Dichlorobenzene
 Concen: 19.222 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Instrument :
 MSVOA_X
 ClientSampled :
 VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.5	32.5	97.5

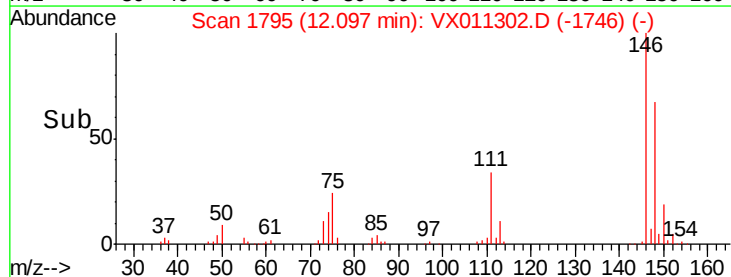
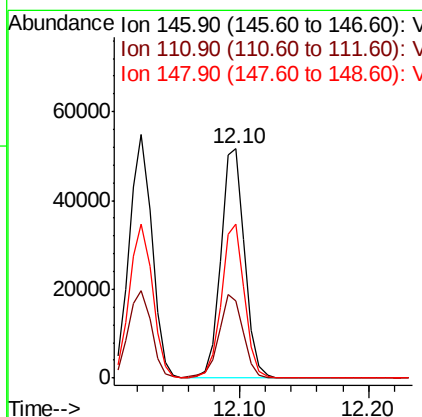
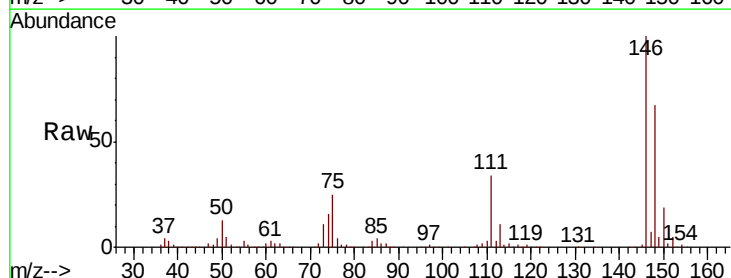
Manual Integrations
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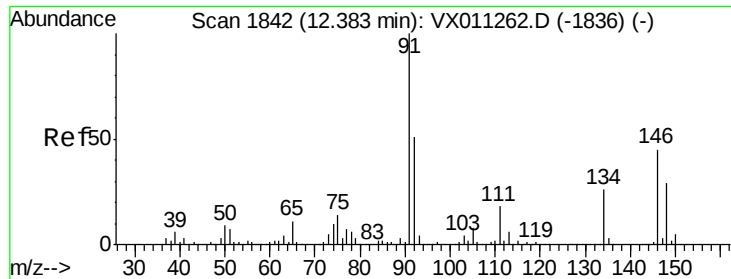
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#88
 1,4-Dichlorobenzene
 Concen: 18.870 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	17.8	53.4
148	65.1	31.8	95.3





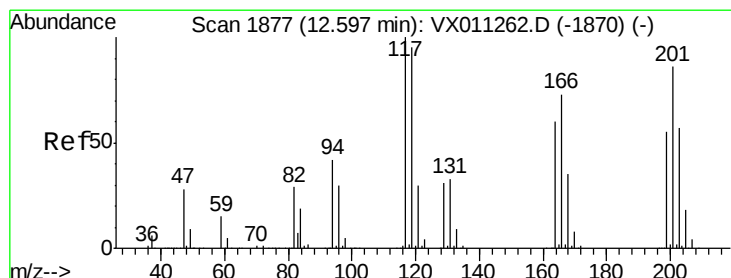
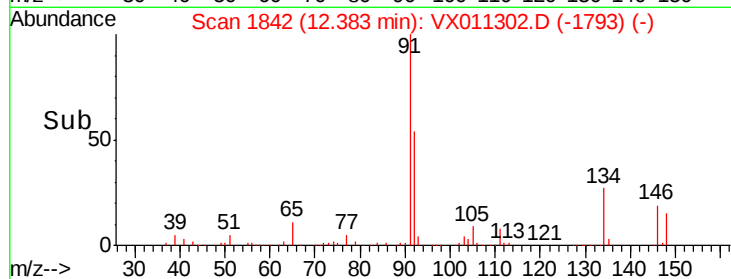
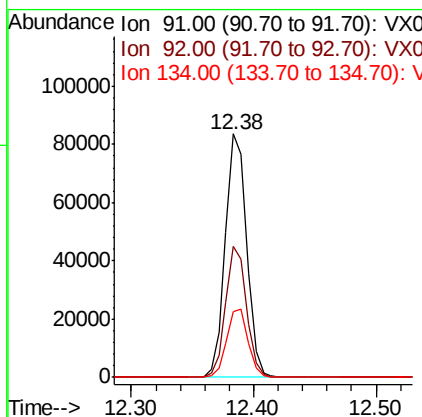
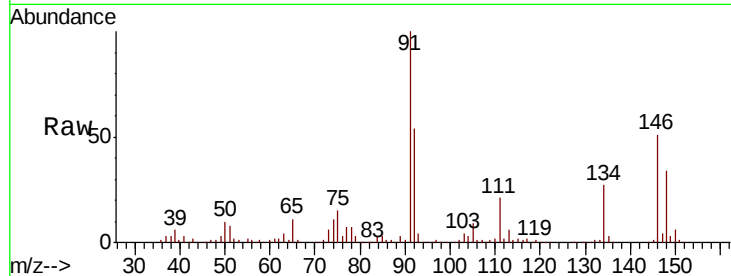
#89
n-Butylbenzene
Concen: 18.356 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.8	77.3
134	28.0	13.7	41.0

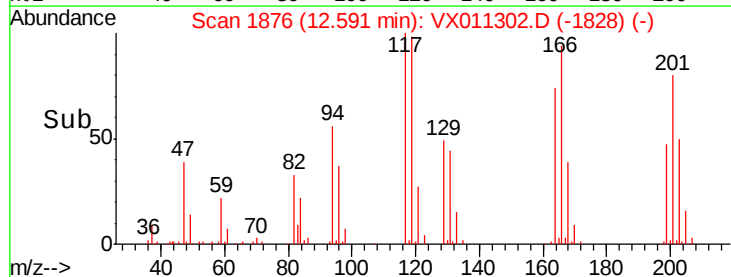
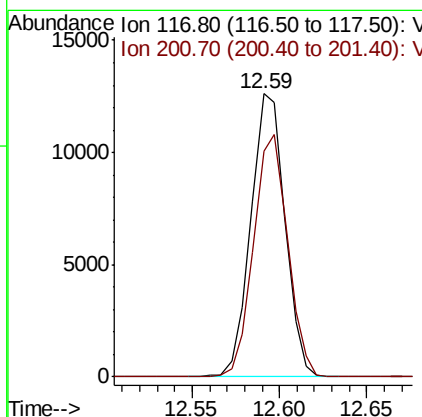
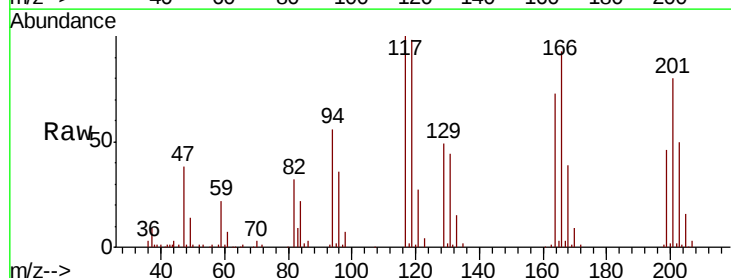
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#90
Hexachloroethane
Concen: 18.126 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	41.8	125.4





#91

1,2-Dichlorobenzene

Concen: 19.483 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Instrument :

MSVOA_X

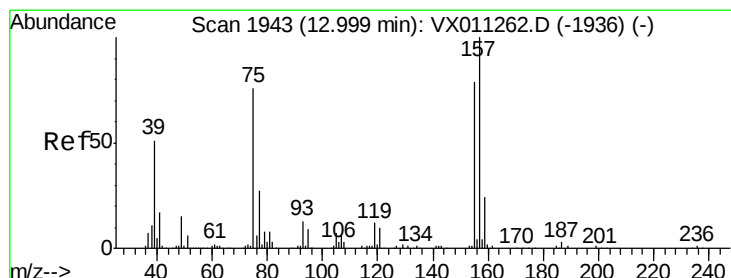
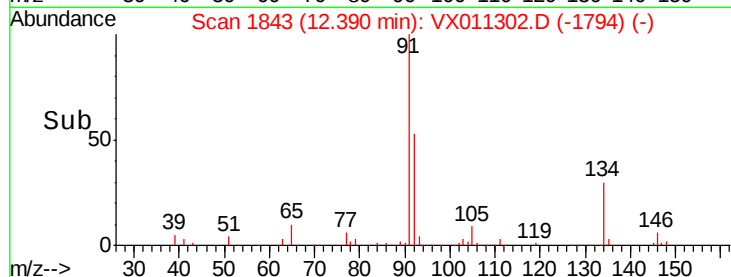
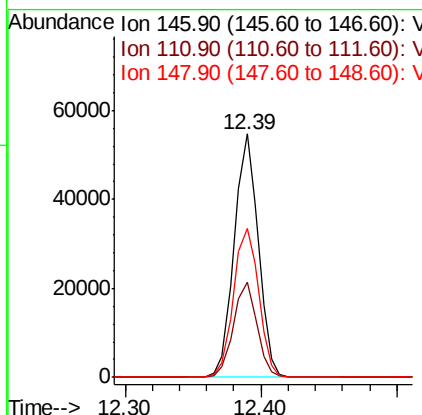
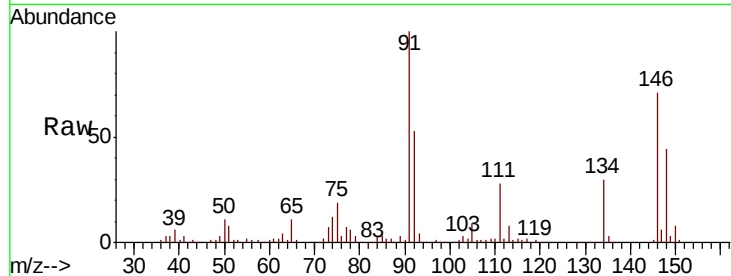
ClientSampleId :

VX0802WBSD01

Tot Ion:	146	Resp:	67529
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.1
148	63.8	32.3	96.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.967 ug/l

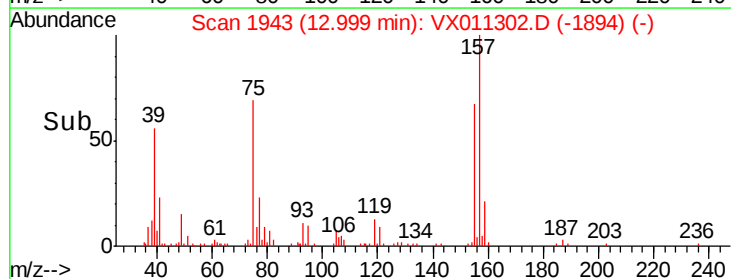
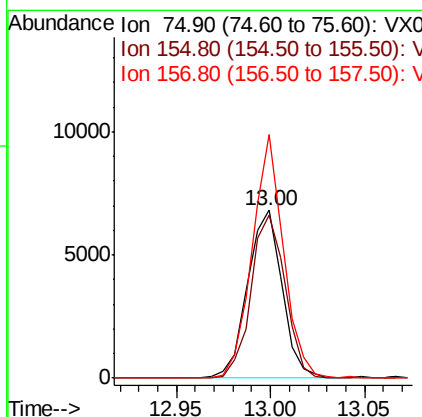
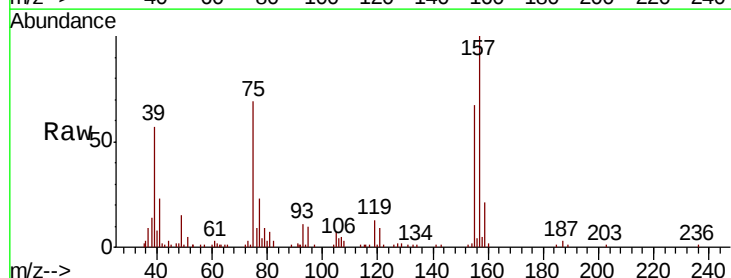
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011302.D

Acq: 02 Aug 2019 14:10

Tgt Ion:	75	Resp:	8622
Ion Ratio	Lower	Upper	
75	100		
155	96.0	51.9	155.8
157	131.1	64.3	192.7





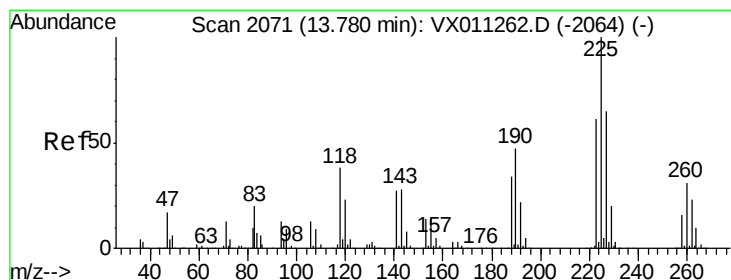
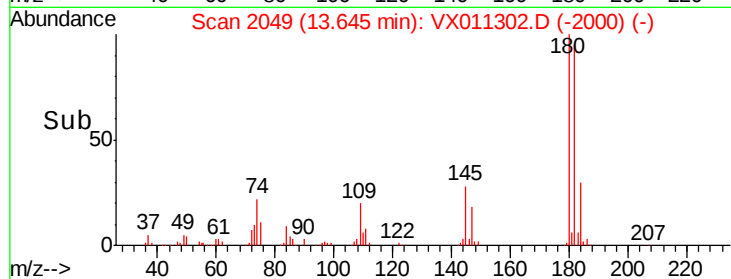
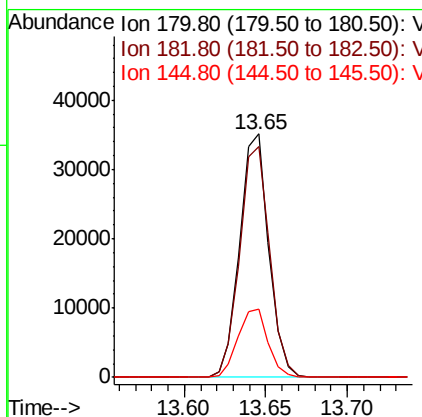
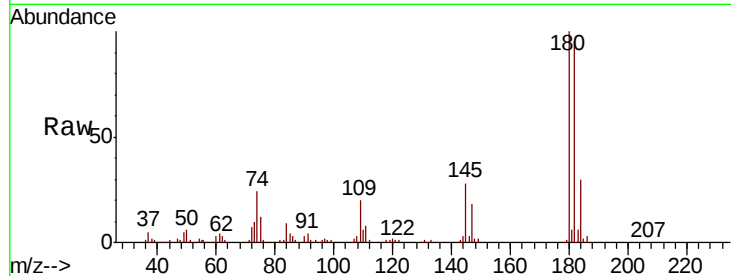
#93
 1,2,4-Trichlorobenzene
 Concen: 19.101 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	43906		
182	97.1		47.8	143.4
145	28.9		14.8	44.3

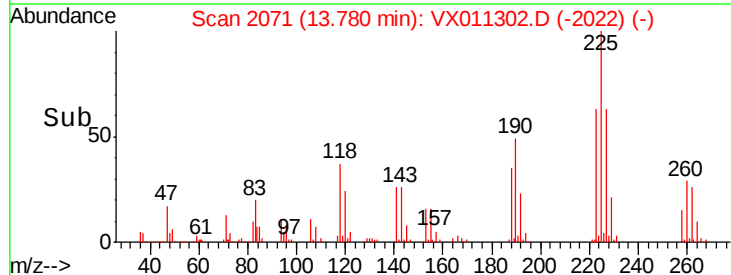
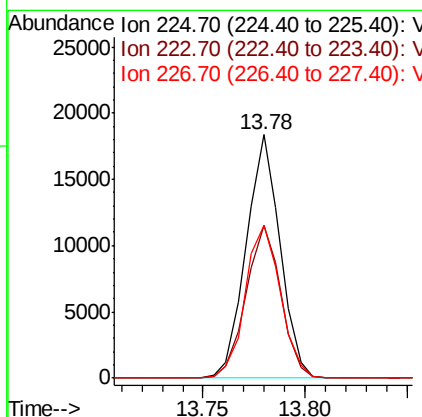
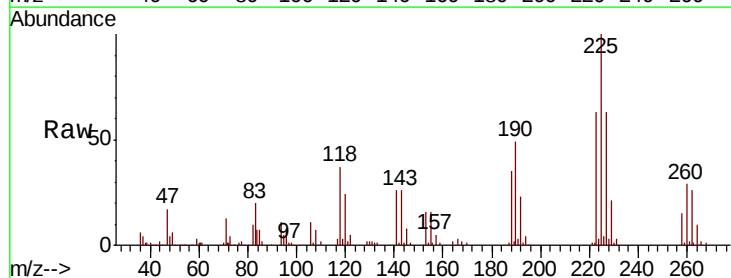
Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 12:11:31 PM



#94
 Hexachlorobutadiene
 Concen: 18.182 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011302.D
 Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21204		
223	64.7		31.0	93.0
227	65.3		32.2	96.6





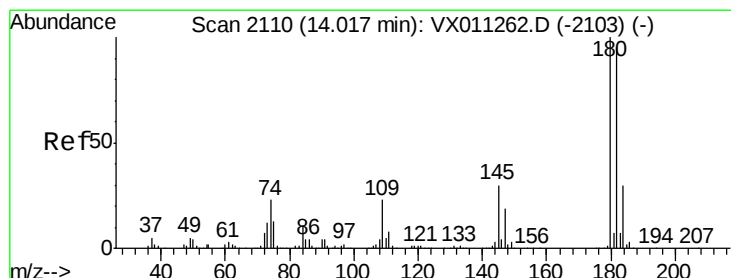
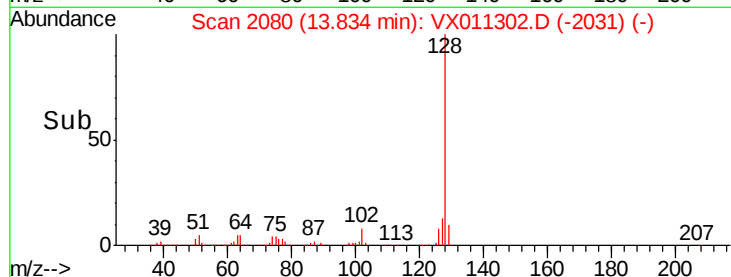
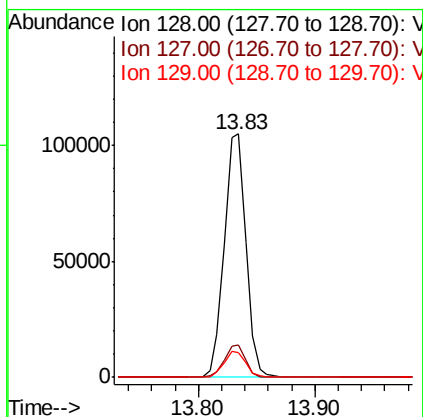
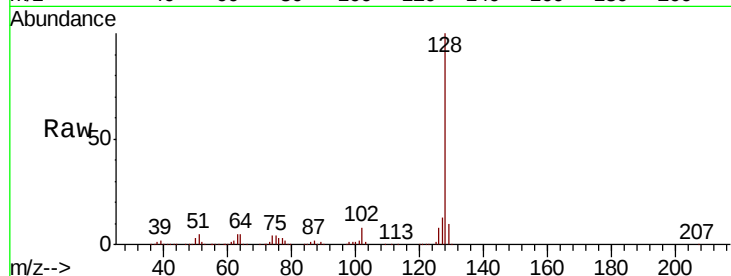
#95
Naphthalene
Concen: 20.138 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.642 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011302.D
Acq: 02 Aug 2019 14:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.4	142.3
145	29.6	15.2	45.6

