

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080619\
 Data File : VX011344.D
 Acq On : 06 Aug 2019 11:30
 Operator : JC/SP
 Sample : VX0806MBS01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 11:25:31 AM

Quant Time: Aug 07 01:32:19 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	5.65	168	161938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	234527	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	217490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	86209	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	5.49	113	79448	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	8.71	98	295427	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	105814	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	21436	17.139	ug/l 99
3) Chloromethane	1.32	50	25374	18.066	ug/l 100
4) Vinyl Chloride	1.40	62	27834	18.016	ug/l 100
5) Bromomethane	1.63	94	20777	18.857	ug/l 97
6) Chloroethane	1.71	64	18334	17.464	ug/l 95
7) Trichlorofluoromethane	1.92	101	50405	18.349	ug/l 94
8) Diethyl Ether	2.18	74	17840	18.188	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	27142	18.261	ug/l 98
10) Methyl Iodide	2.50	142	29461	15.722	ug/l 99
11) Tert butyl alcohol	3.03	59	28324	87.114	ug/l 97
12) 1,1-Dichloroethene	2.37	96	26096	17.712	ug/l 93
13) Acrolein	2.29	56	13243	65.216	ug/l 97
14) Allyl chloride	2.72	41	37080	18.878	ug/l 97
15) Acrylonitrile	3.14	53	71899	92.651	ug/l 98
16) Acetone	2.43	43	67686	87.198	ug/l 100
17) Carbon Disulfide	2.56	76	60798	17.584	ug/l 100
18) Methyl Acetate	2.76	43	33212	18.723	ug/l 98
19) Methyl tert-butyl Ether	3.19	73	80533	18.548	ug/l 99
20) Methylene Chloride	2.85	84	29636	17.433	ug/l 94
21) trans-1,2-Dichloroethene	3.16	96	27880	17.888	ug/l 97
22) Diisopropyl ether	3.85	45	79977	18.526	ug/l 99
23) Vinyl Acetate	3.81	43	339741	94.885	ug/l 99
24) 1,1-Dichloroethane	3.69	63	46563	18.292	ug/l 98
25) 2-Butanone	4.66	43	98354	89.074	ug/l 98
26) 2,2-Dichloropropane	4.57	77	37205	18.802	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	32600	18.159	ug/l 98
28) Bromochloromethane	5.01	49	21296	18.351	ug/l 95
29) Tetrahydrofuran	5.12	42	62217	91.897	ug/l 98
30) Chloroform	5.20	83	52126	18.841	ug/l 96
31) Cyclohexane	5.57	56	38231	18.204	ug/l 93
32) 1,1,1-Trichloroethane	5.49	97	44090	18.603	ug/l 99
36) 1,1-Dichloropropene	5.79	75	36676	17.911	ug/l 99
37) Ethyl Acetate	4.82	43	36311	17.679	ug/l 99
38) Carbon Tetrachloride	5.78	117	38564	18.720	ug/l 93

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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	42758	17.617	ug/l	96
40) Benzene	6.13	78	111988	18.328	ug/l	98
41) Methacrylonitrile	5.03	41	20024	17.851	ug/l	99
42) 1,2-Dichloroethane	6.18	62	39881	19.302	ug/l	99
43) Isopropyl Acetate	6.43	43	58944	17.950	ug/l	99
44) Trichloroethene	7.21	130	33440	18.080	ug/l	99
45) 1,2-Dichloropropane	7.51	63	28610	18.079	ug/l	95
46) Dibromomethane	7.65	93	20656	17.881	ug/l	99
47) Bromodichloromethane	7.89	83	36379	18.600	ug/l	98
48) Methyl methacrylate	7.77	41	29002	18.767	ug/l	95
49) 1,4-Dioxane	7.73	88	15428	344.359	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	197589	93.237	ug/l	99
52) Toluene	8.78	92	74597	18.465	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	37199	18.242	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	42541	18.620	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	30964	18.641	ug/l	98
56) Ethyl methacrylate	9.18	69	43233	18.264	ug/l	98
57) 1,3-Dichloropropane	9.37	76	48762	18.562	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	107141	92.055	ug/l	98
59) 2-Hexanone	9.49	43	151261	92.150	ug/l	99
60) Dibromochloromethane	9.58	129	30985	18.220	ug/l	100
61) 1,2-Dibromoethane	9.66	107	33065	18.425	ug/l	98
64) Tetrachloroethene	9.34	164	33522	18.149	ug/l	95
65) Chlorobenzene	10.13	112	84539	18.129	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	29666	18.582	ug/l	98
67) Ethyl Benzene	10.25	91	142305	18.221	ug/l	99
68) m/p-Xylenes	10.35	106	111234	36.822	ug/l	100
69) o-Xylene	10.69	106	53634	18.070	ug/l	99
70) Styrene	10.71	104	88482	18.017	ug/l	98
71) Bromoform	10.85	173	22430	17.658	ug/l #	99
73) Isopropylbenzene	11.02	105	144642	18.106	ug/l	100
74) N-amyl acetate	10.90	43	53212	18.435	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	47932	18.005	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	39721m	18.674	ug/l	
77) Bromobenzene	11.25	156	39461	17.814	ug/l	98
78) n-propylbenzene	11.36	91	162131	18.250	ug/l	99
79) 2-Chlorotoluene	11.42	91	94462	17.840	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	121532	18.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	12229	18.489	ug/l	92
82) 4-Chlorotoluene	11.51	91	113350	18.369	ug/l	98
83) tert-Butylbenzene	11.77	119	119043	18.150	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	121881	18.306	ug/l	100
85) sec-Butylbenzene	11.94	105	142989	18.146	ug/l	100
86) p-Isopropyltoluene	12.06	119	132430	18.268	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	70870	18.107	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	71797	17.789	ug/l	98
89) n-Butylbenzene	12.38	91	112098	17.949	ug/l	100
90) Hexachloroethane	12.59	117	19446	18.144	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	70959	18.043	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9506	18.431	ug/l	97

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VX0806MBS01

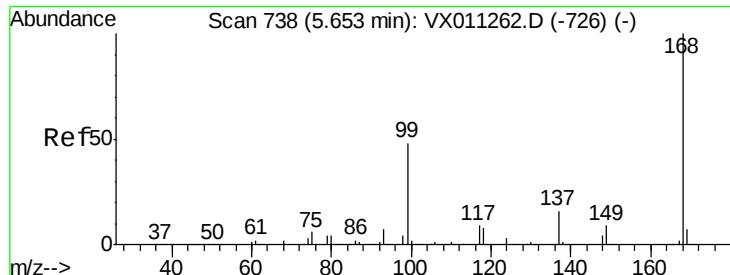
Manual Integrations
APPROVED

MMDadoda
8/7/2019 11:25:31 AM

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	46632	17.880	ug/l	99
94) Hexachlorobutadiene	13.78	225	24140	18.243	ug/l	97
95) Naphthalene	13.83	128	135555	17.773	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	48629	18.340	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion:168 Resp: 161938

Ion Ratio Lower Upper

168 100

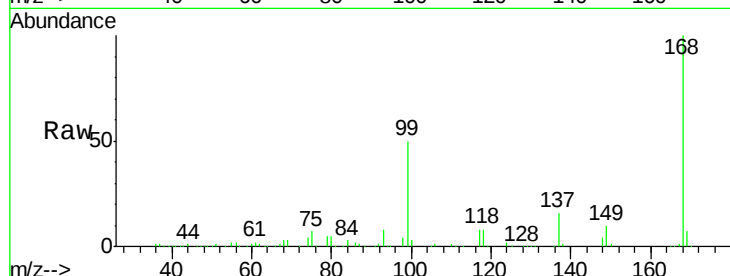
99 49.5 38.5 57.7

Manual Integrations

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8/7/2019 11:25:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

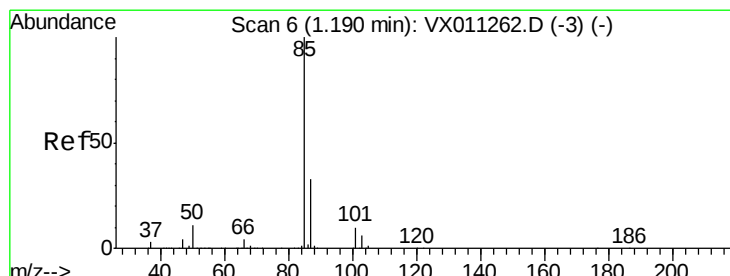
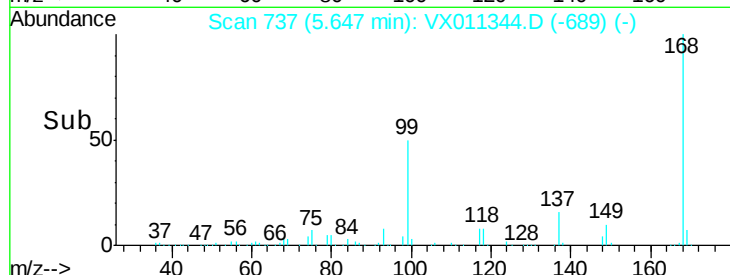
40000

20000

0

5.50 5.60 5.70 5.80

5.65



#2

Dichlorodifluoromethane

Concen: 17.139 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011344.D

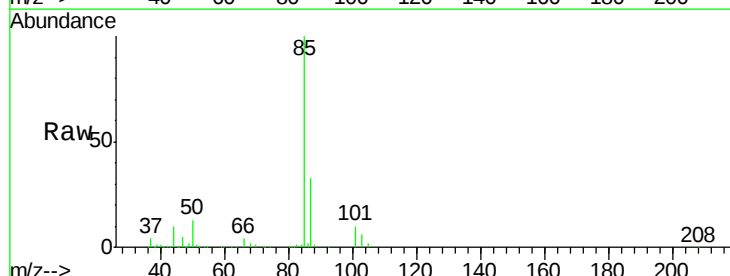
Acq: 06 Aug 2019 11:30

Tgt Ion: 85 Resp: 21436

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

20000

15000

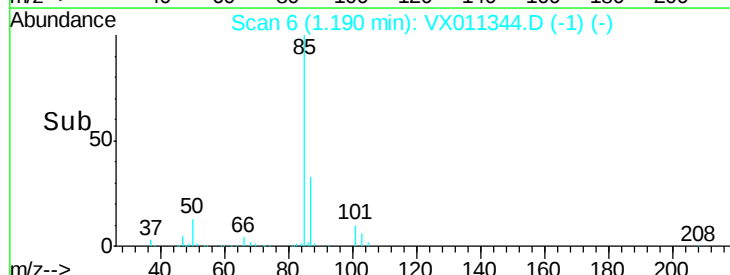
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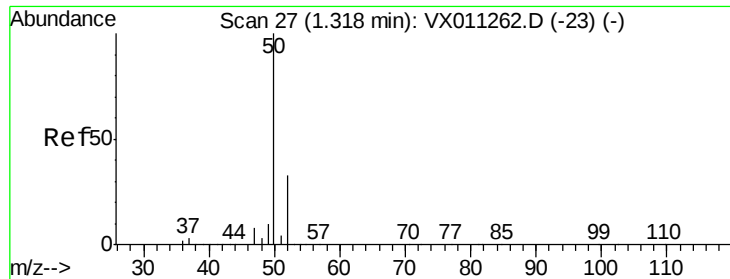
5000

0

1.15 1.20 1.25

1.19





#3

Chloromethane

Concen: 18.066 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0806MBS01

Tot Ion: 50 Resp: 25374

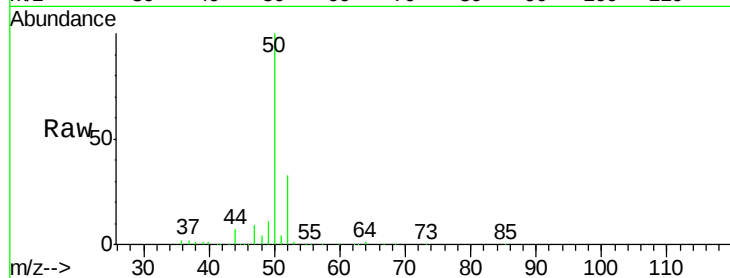
Ion Ratio Lower Upper

50 100

52 33.2 26.4 39.6

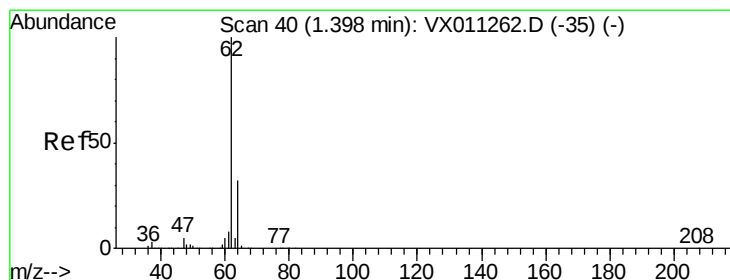
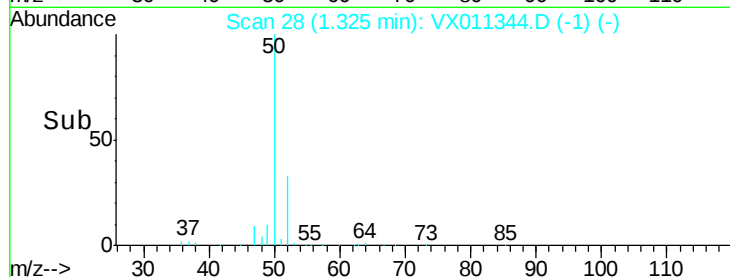
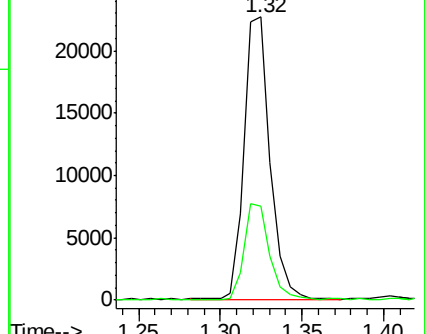
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.016 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011344.D

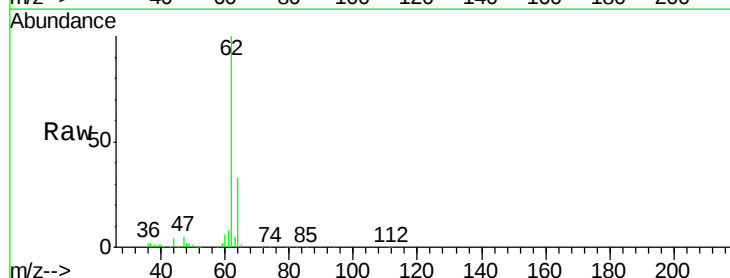
Acq: 06 Aug 2019 11:30

Tgt Ion: 62 Resp: 27834

Ion Ratio Lower Upper

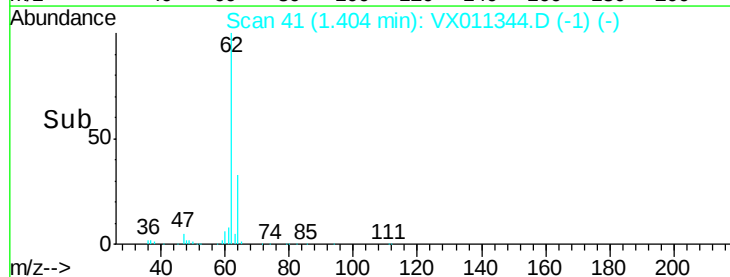
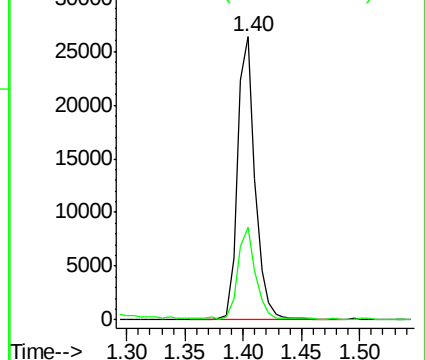
62 100

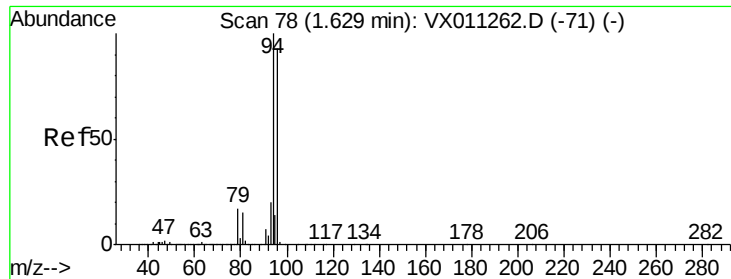
64 32.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.857 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion: 94 Resp: 20777

Ion Ratio Lower Upper

94 100

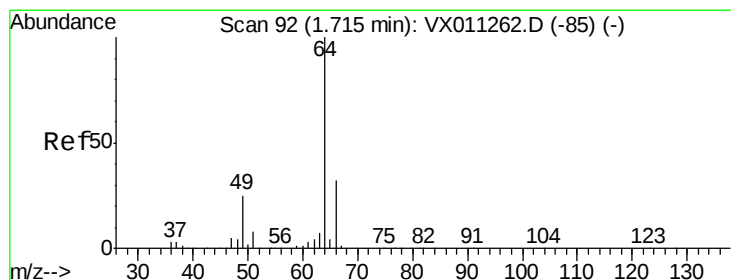
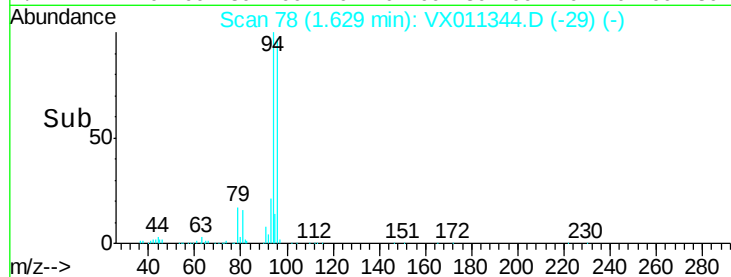
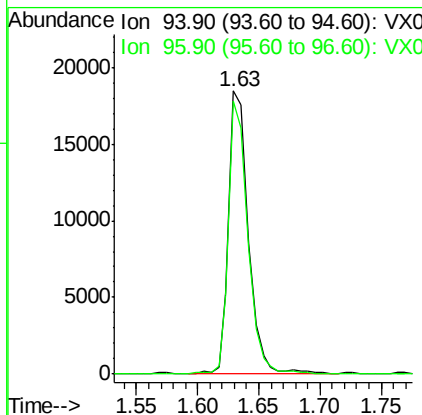
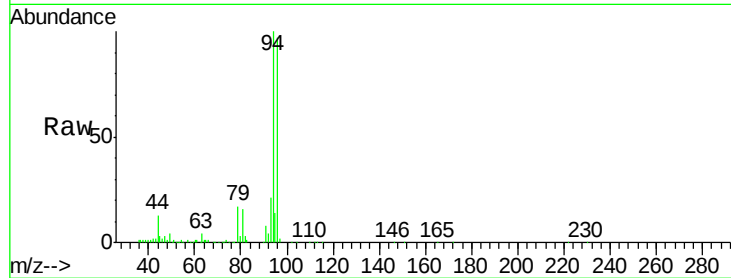
96 96.6 74.6 112.0

Manual Integrations

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8/7/2019 11:25:31 AM



#6

Chloroethane

Concen: 17.464 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011344.D

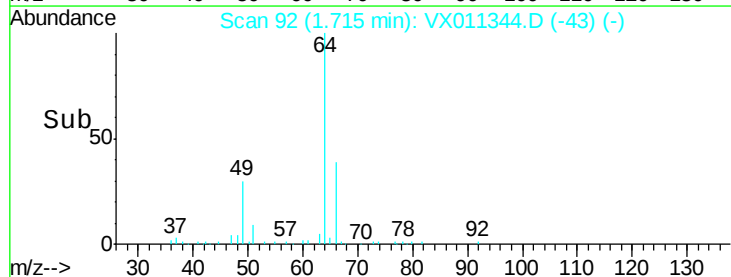
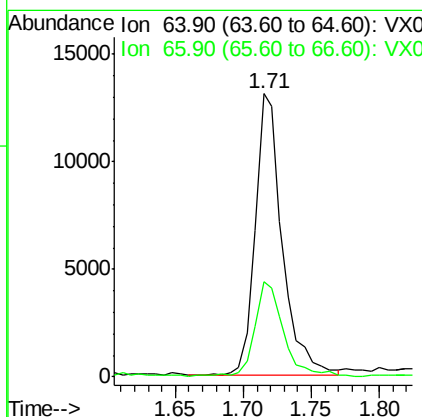
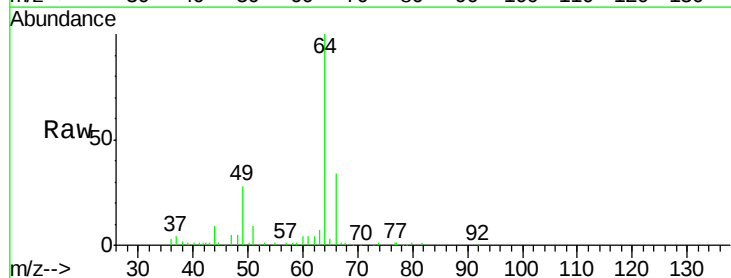
Acq: 06 Aug 2019 11:30

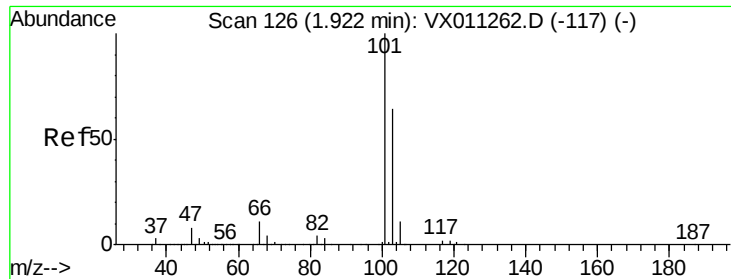
Tgt Ion: 64 Resp: 18334

Ion Ratio Lower Upper

64 100

66 34.1 25.1 37.7





#7

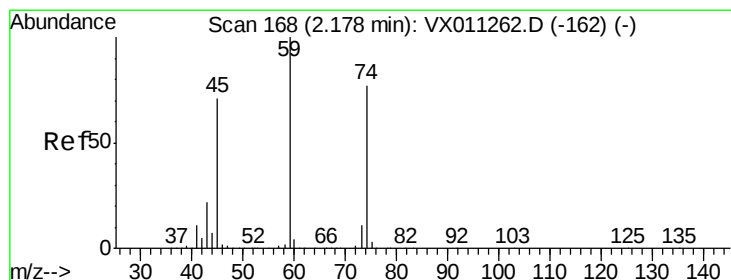
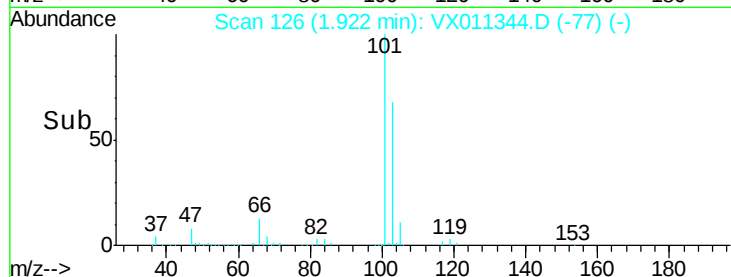
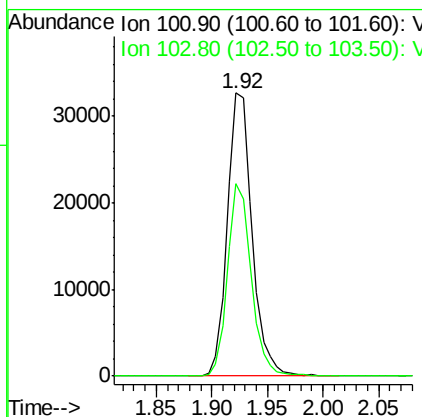
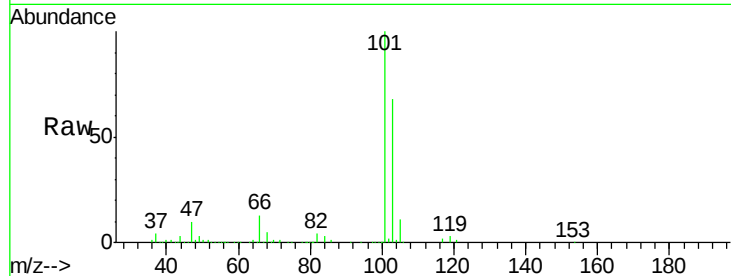
Trichlorofluoromethane
Concen: 18.349 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	50.9	76.3

Manual Integrations
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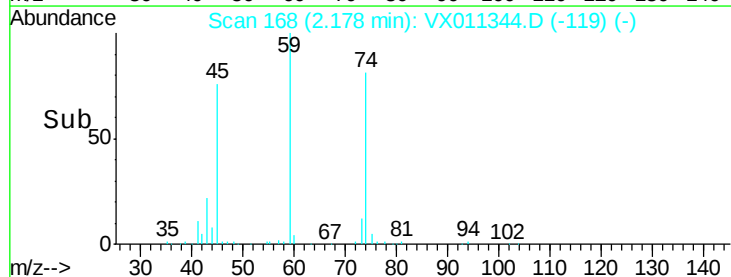
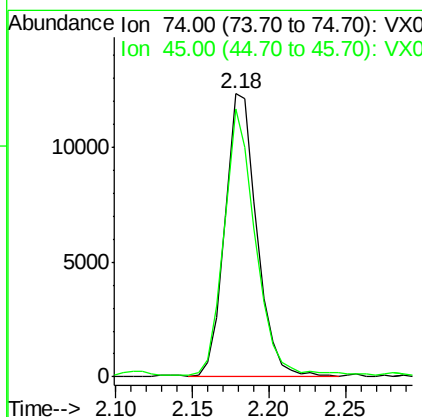
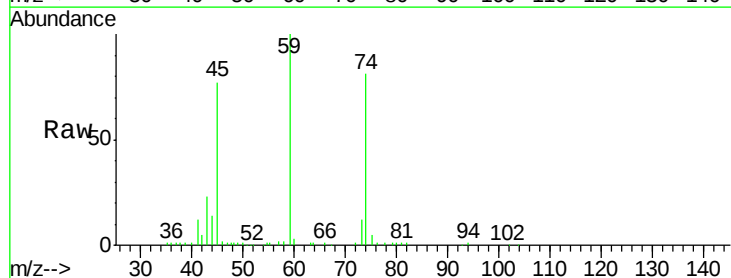
MMDadoda
8/7/2019 11:25:31 AM

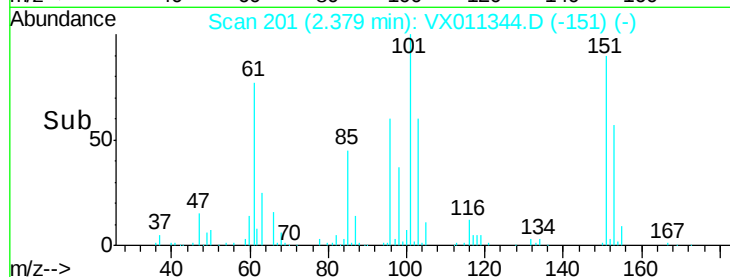
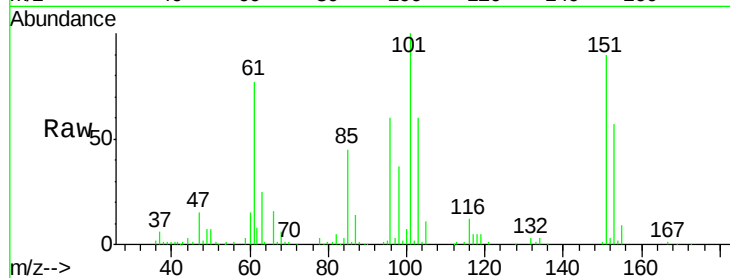
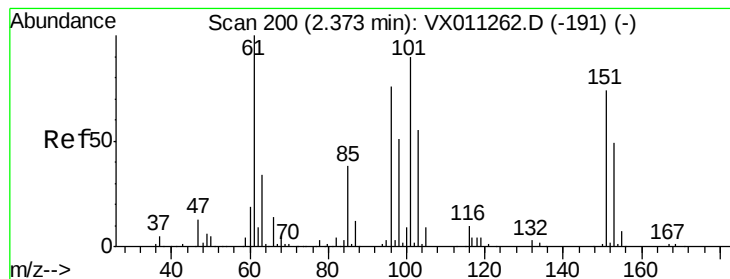


#8

Diethyl Ether
Concen: 18.188 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.261 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion:101 Resp: 27142

Ion Ratio Lower Upper

101 100

85 45.1 33.8 50.6

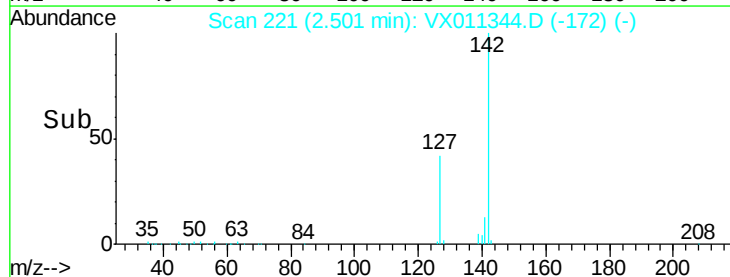
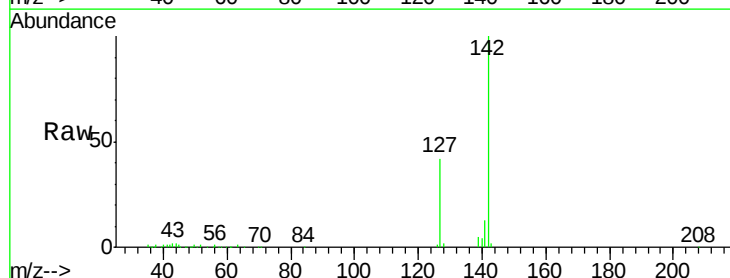
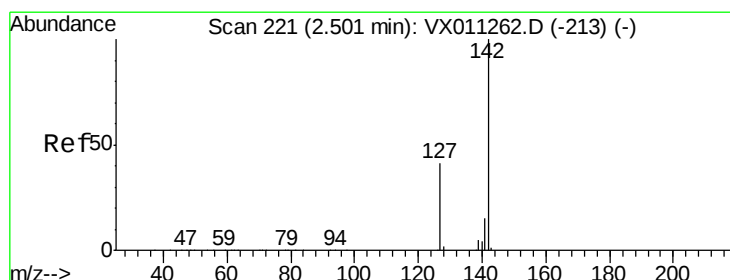
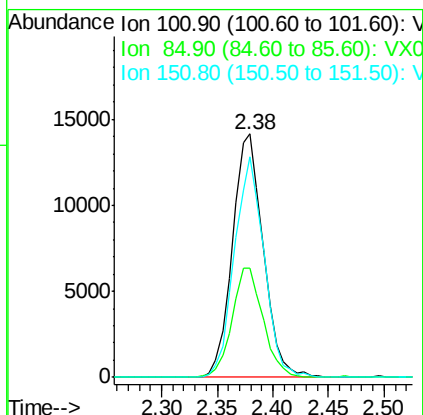
151 87.4 69.5 104.3

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#10

Methyl Iodide

Concen: 15.722 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

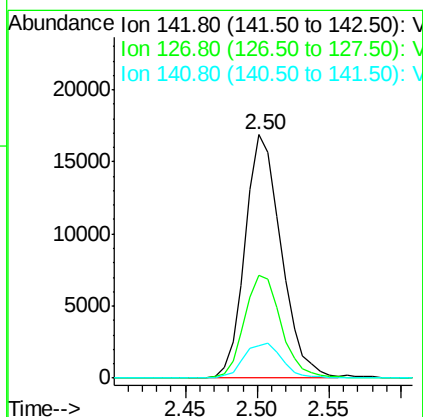
Tgt Ion:142 Resp: 29461

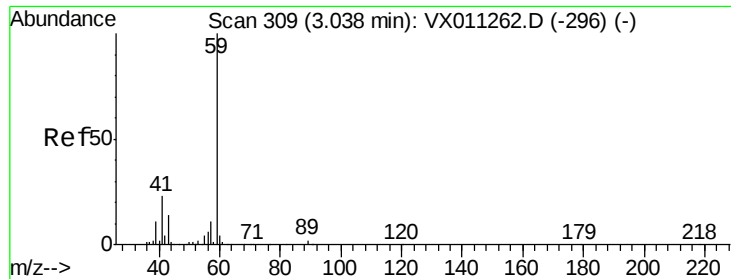
Ion Ratio Lower Upper

142 100

127 43.0 33.8 50.8

141 15.1 11.4 17.2





#11

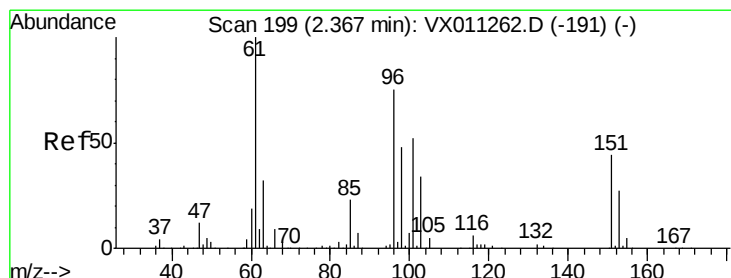
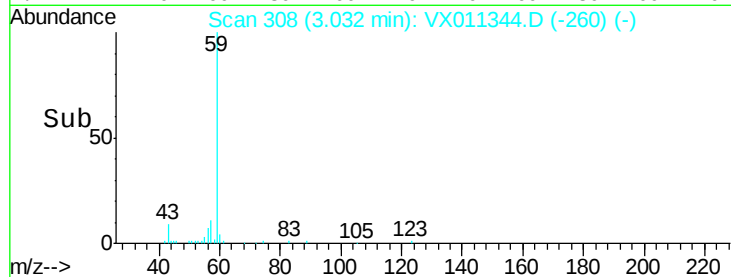
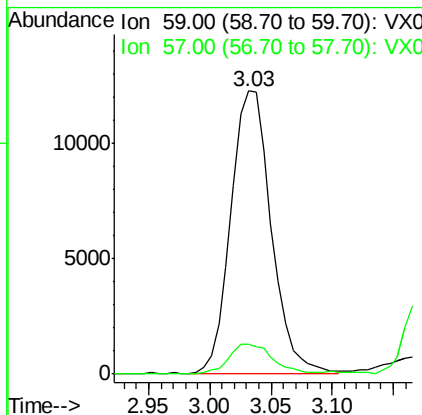
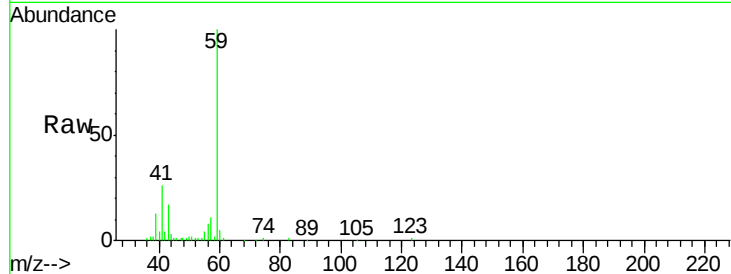
Tert butyl alcohol
Concen: 87.114 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VX0806MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.3	12.5

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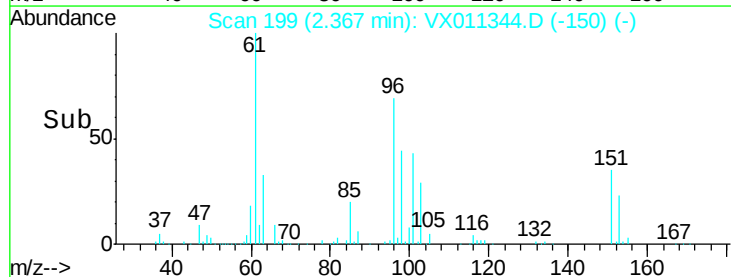
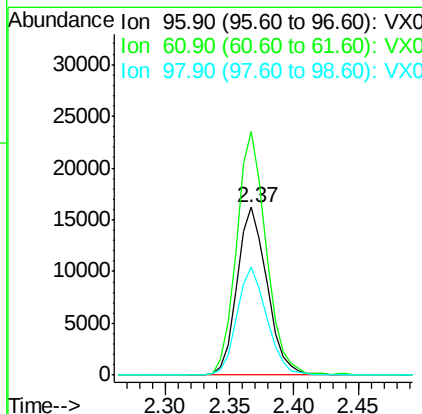
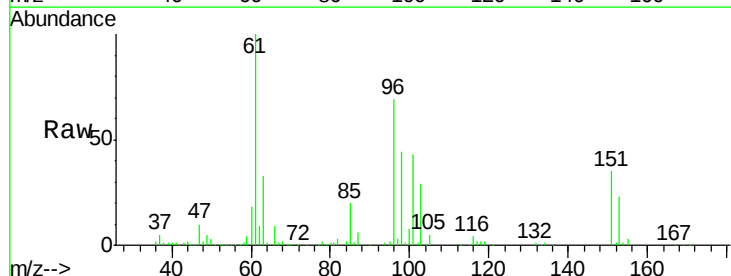
MMDadoda
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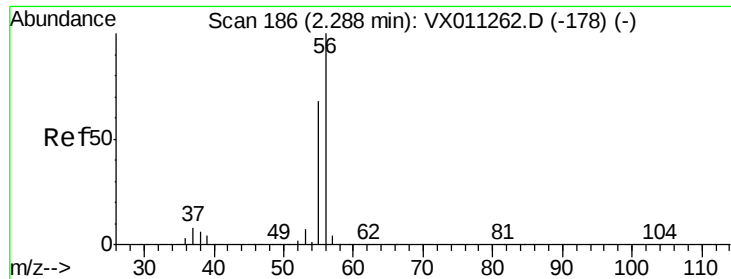


#12

1,1-Dichloroethene
Concen: 17.712 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.9	106.2	159.2
98	64.1	50.6	75.8





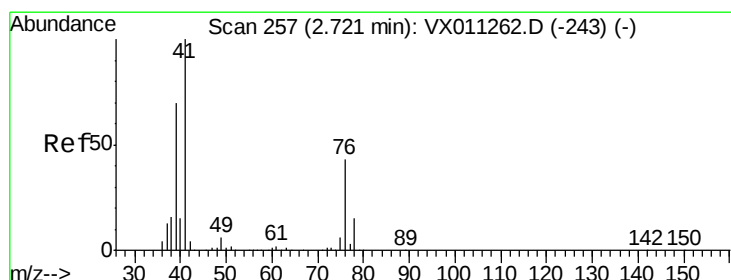
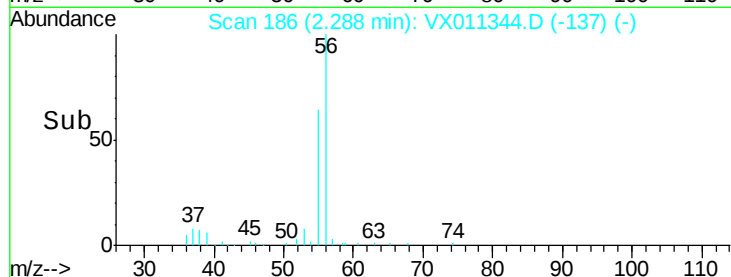
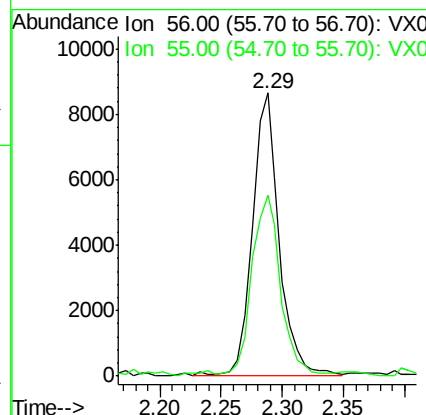
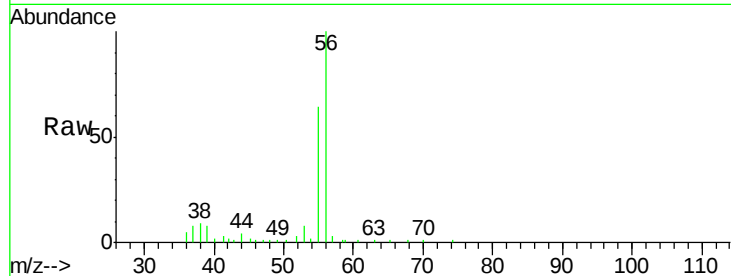
#13
Acrolein
Concen: 65.216 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	67.8	56.0	84.0	

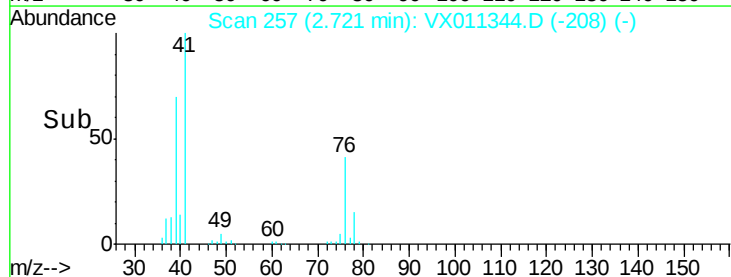
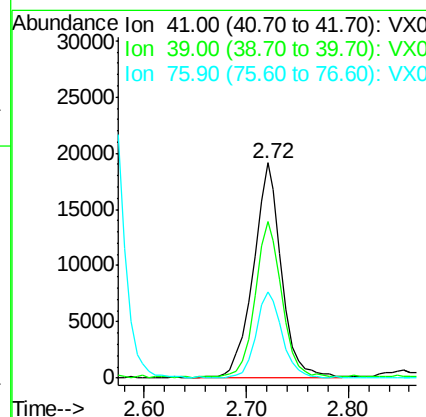
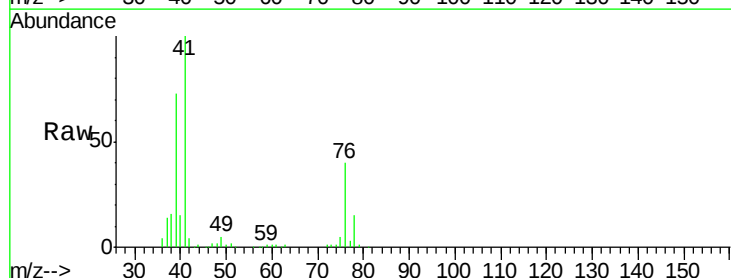
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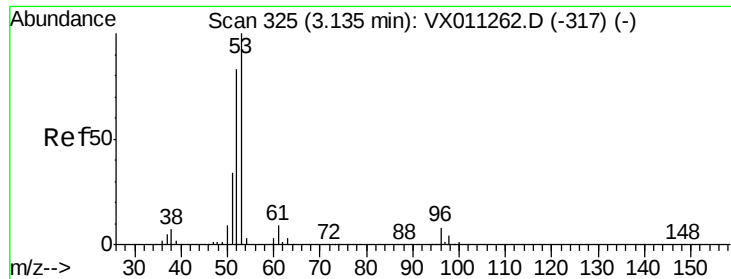
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#14
Allyl chloride
Concen: 18.878 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	68.9	52.8	79.2	
76	37.1	31.1	46.7	





#15

Acrylonitrile

Concen: 92.651 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

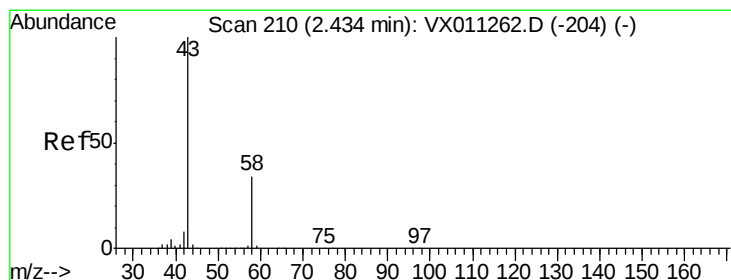
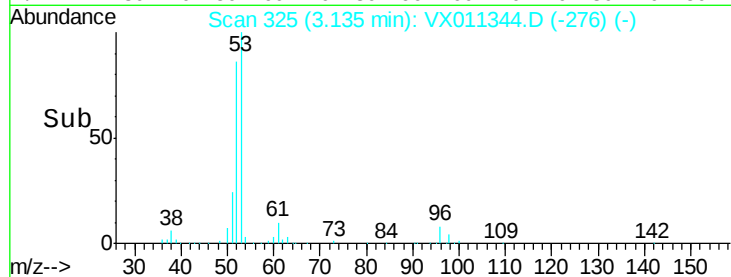
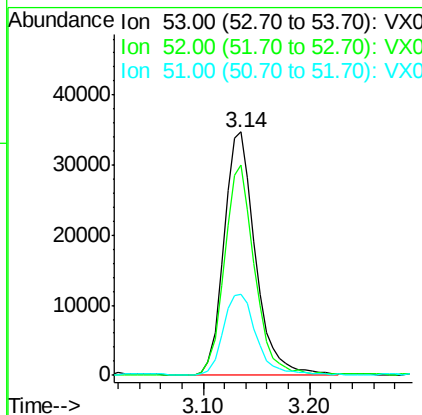
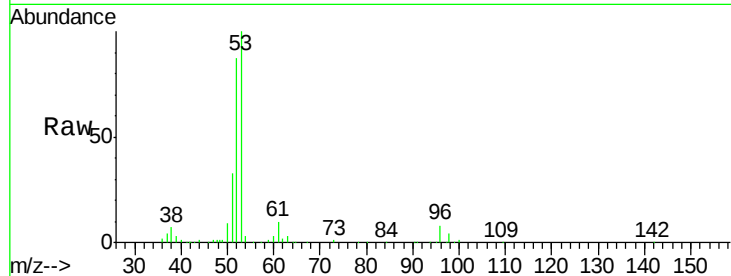
ClientSampleId :

VX0806MBS01

Tot Ion:	53	Resp:	71899
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.5	98.3
51	36.2	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 87.198 ug/l

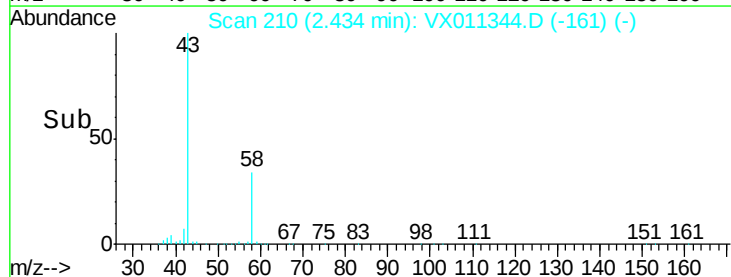
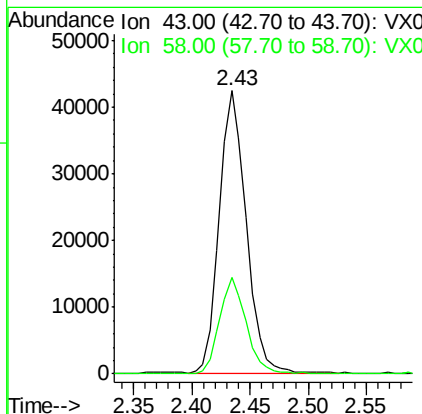
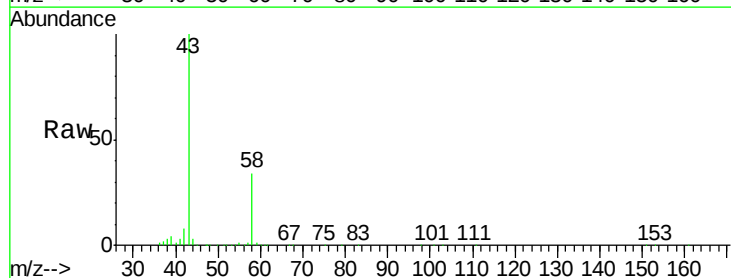
RT: 2.43 min Scan# 210

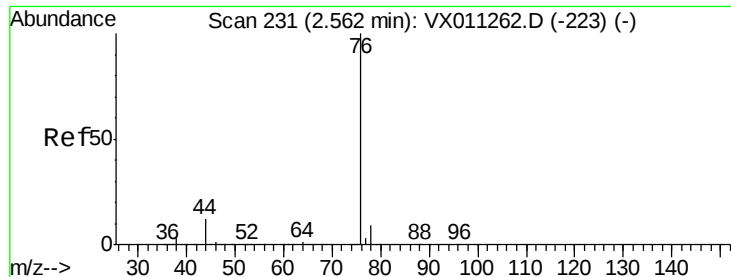
Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion:	43	Resp:	67686
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.4	41.0





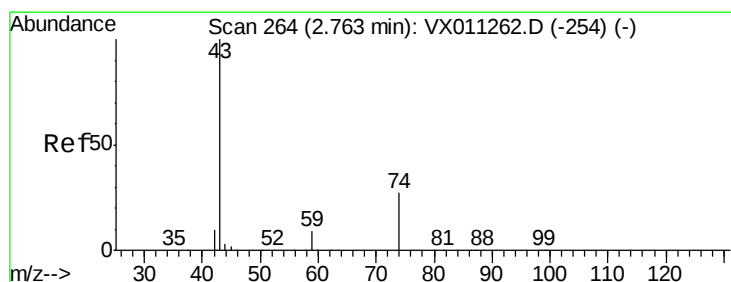
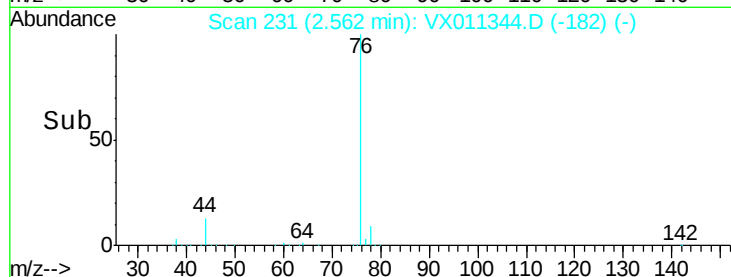
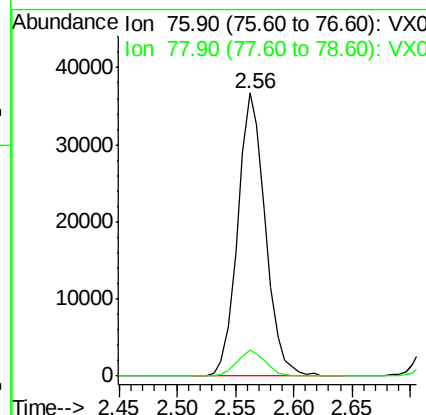
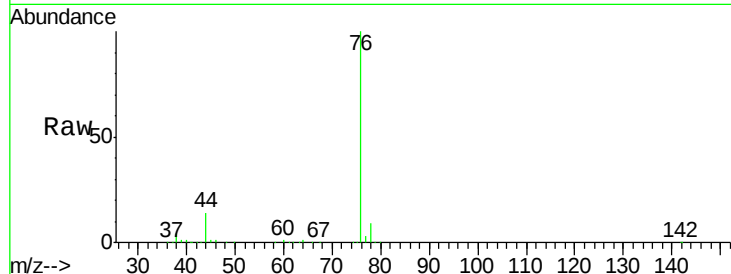
#17
Carbon Disulfide
Concen: 17.584 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

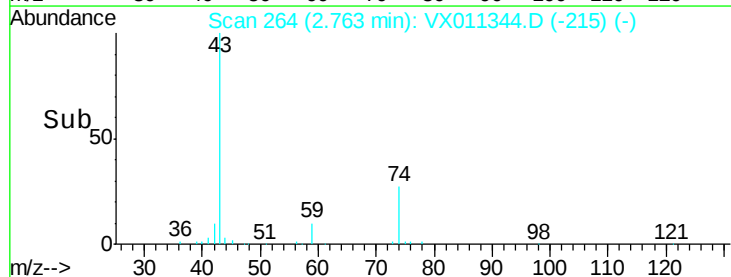
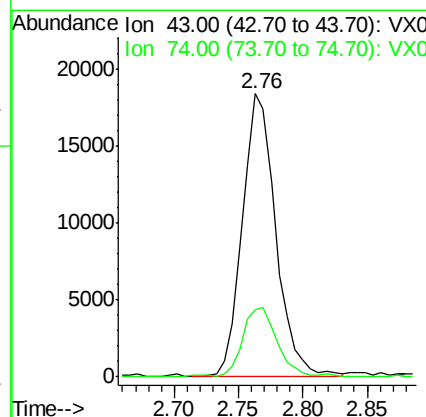
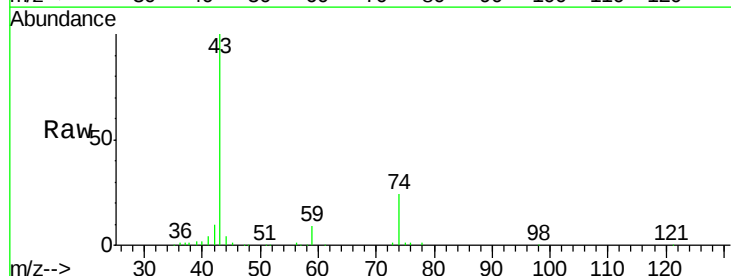
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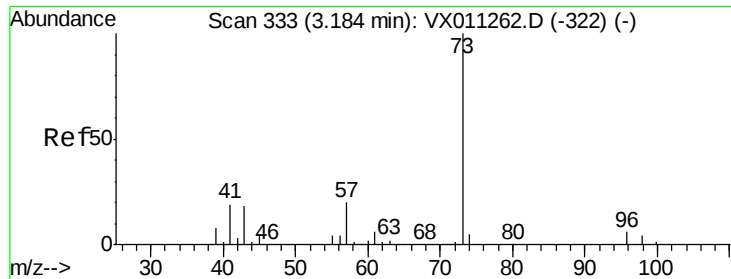
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#18
Methyl Acetate
Concen: 18.723 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	21.0	31.6





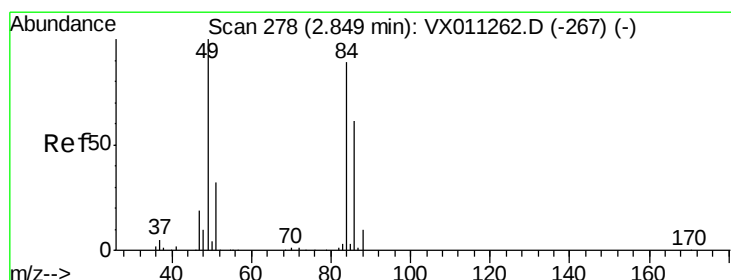
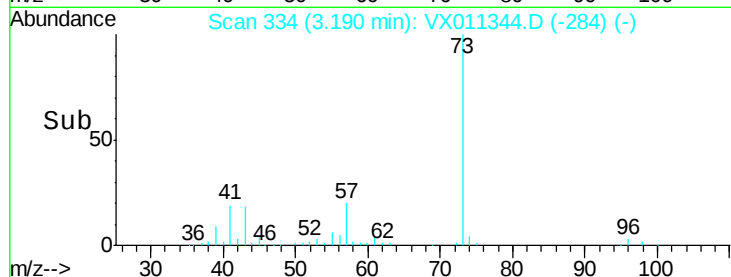
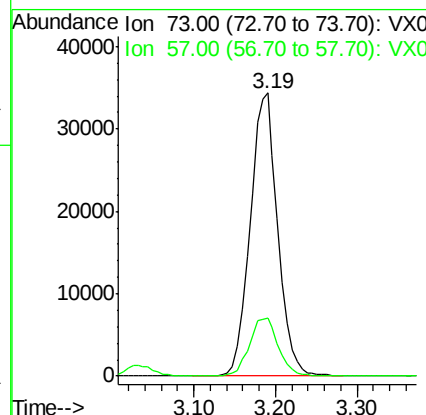
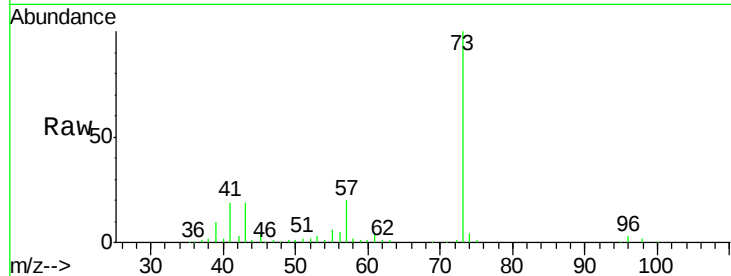
#19
Methvl tert-butvl Ether
Concen: 18.548 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion: 73 Resp: 80533
Ion Ratio Lower Upper
73 100
57 20.5 16.2 24.2

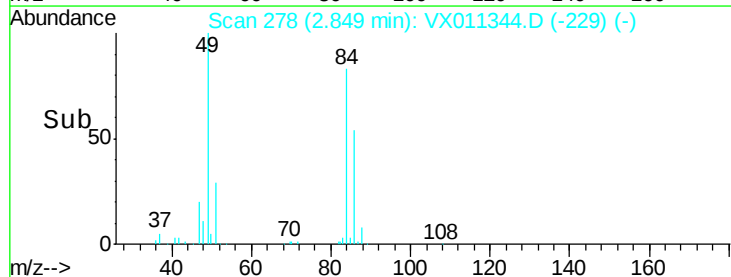
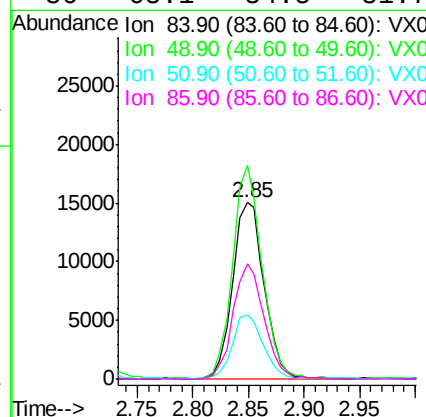
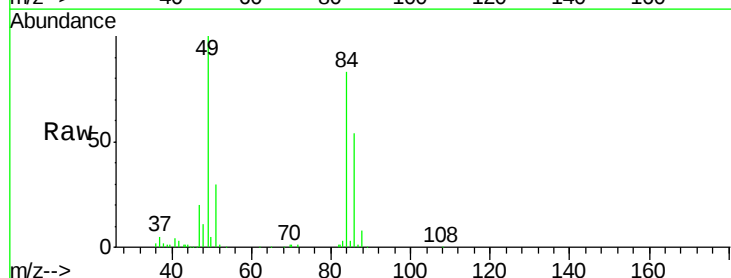
Manual Integrations
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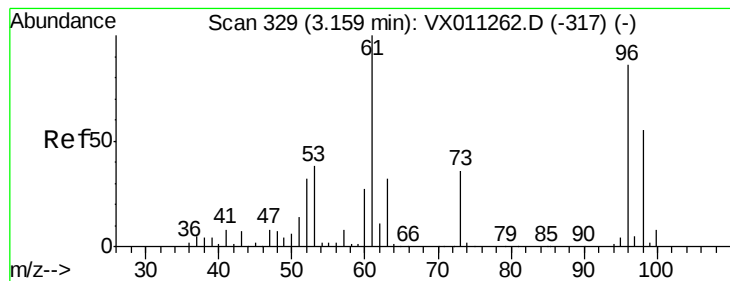
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#20
Methylene Chloride
Concen: 17.433 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion: 84 Resp: 29636
Ion Ratio Lower Upper
84 100
49 120.6 89.3 133.9
51 35.6 28.3 42.5
86 65.1 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 17.888 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion: 96 Resp: 27880

Ion Ratio Lower Upper

96 100

61 120.1 92.8 139.2

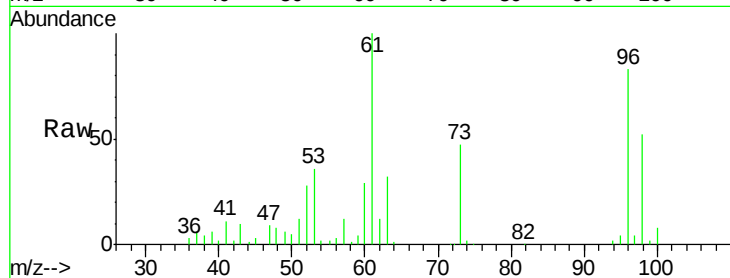
98 61.7 51.2 76.8

Manual Integrations

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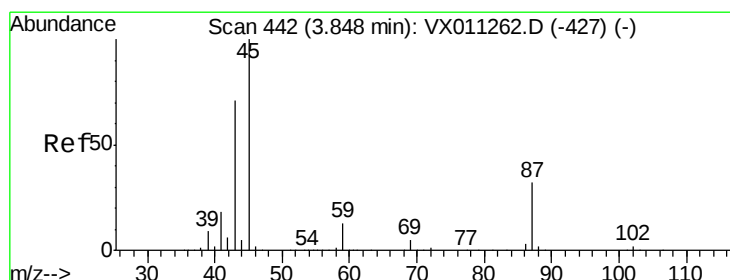
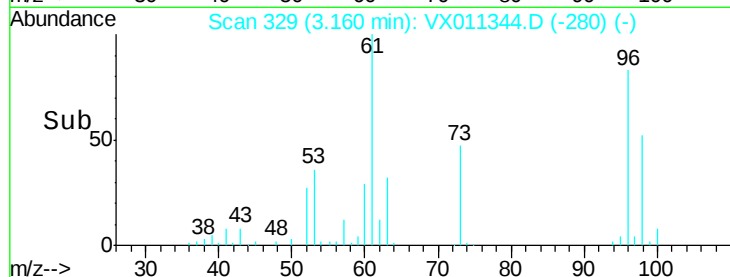
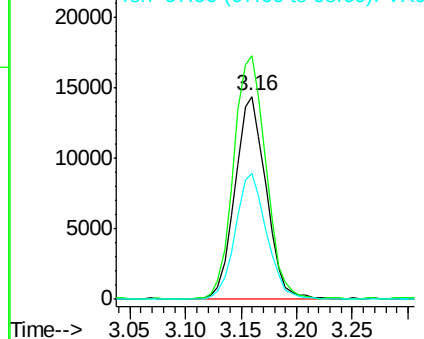
8/7/2019 11:25:31 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.526 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion: 45 Resp: 79977

Ion Ratio Lower Upper

45 100

43 70.3 56.8 85.2

87 32.8 25.8 38.6

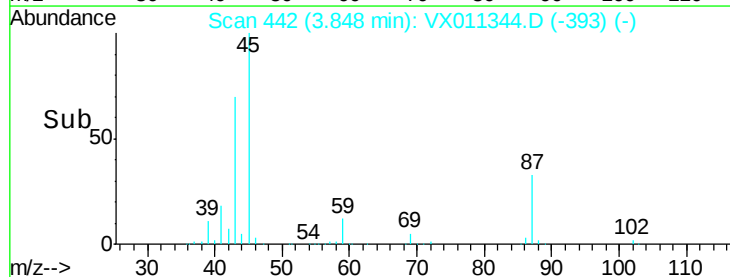
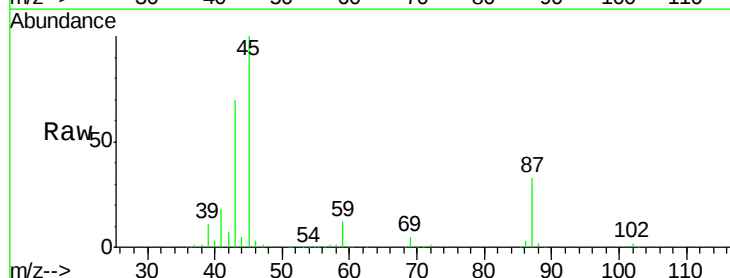
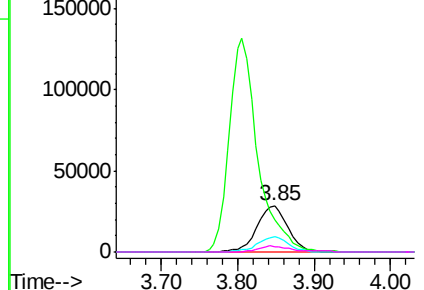
59 12.0 10.3 15.5

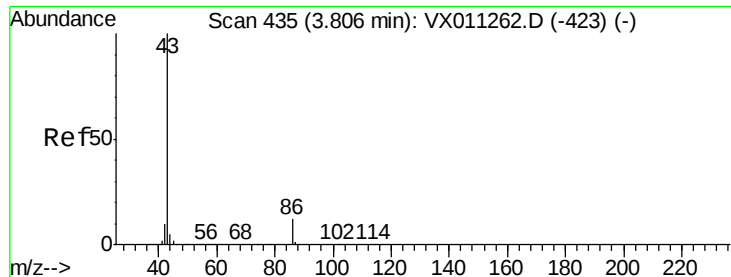
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 94.885 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0806MBS01

Tot Ion: 43 Resp: 339741

Ion Ratio Lower Upper

43 100

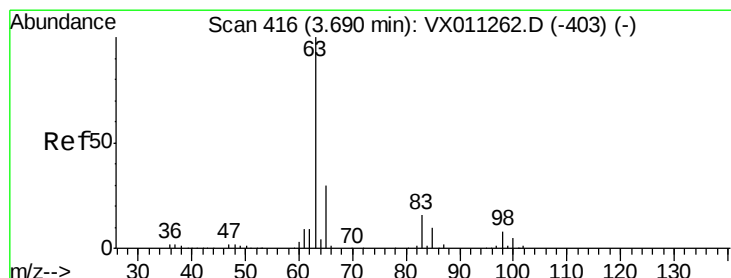
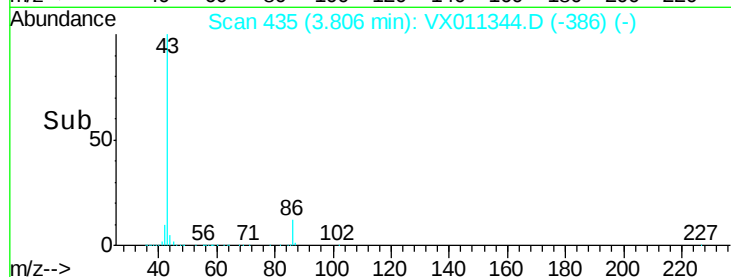
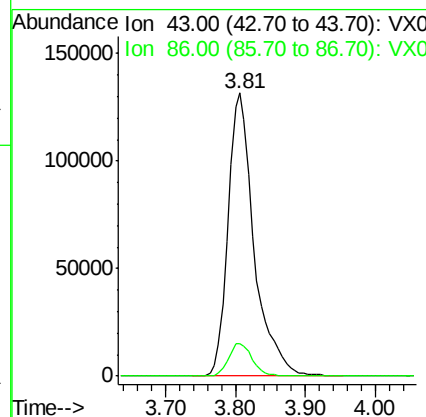
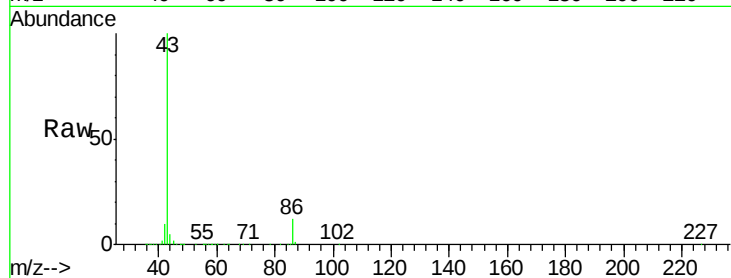
86 11.5 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 18.292 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

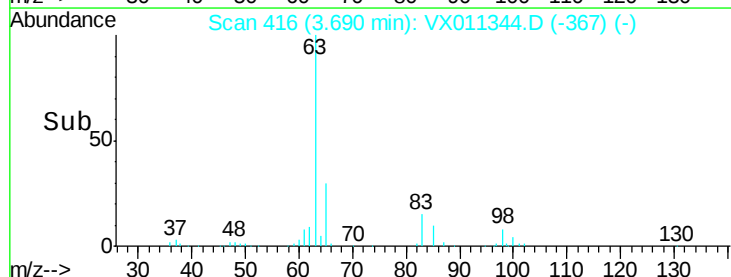
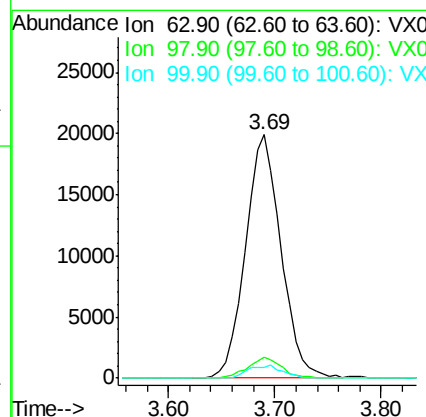
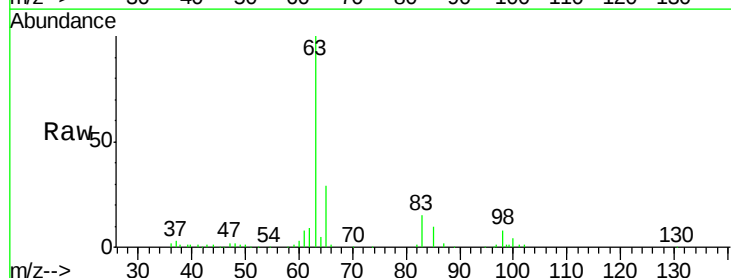
Tgt Ion: 63 Resp: 46563

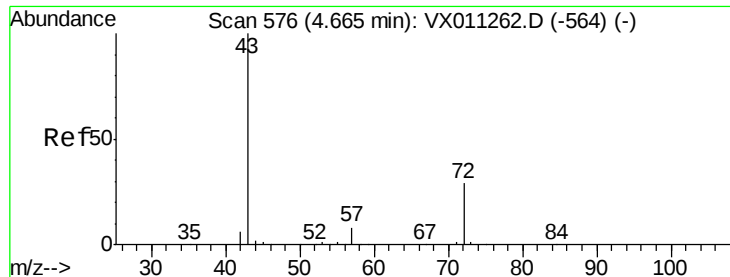
Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.5

100 4.4 2.7 8.1





#25

2-Butanone

Concen: 89.074 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0806MBS01

Tot Ion: 43 Resp: 98354

Ion Ratio Lower Upper

43 100

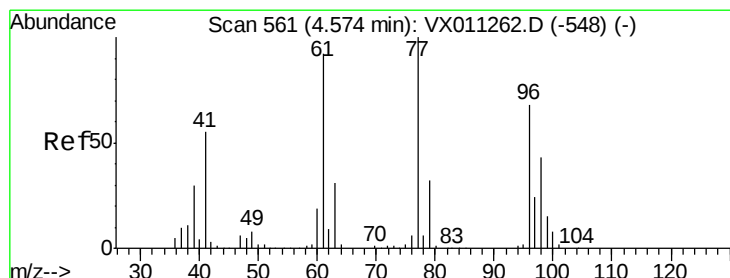
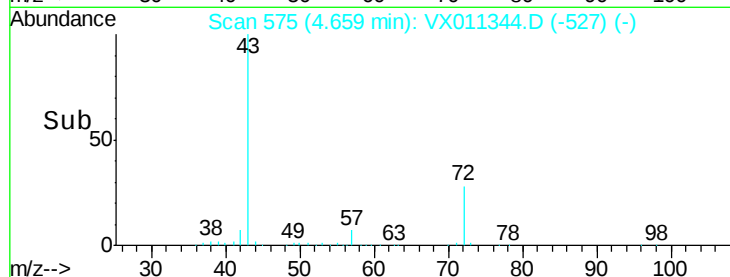
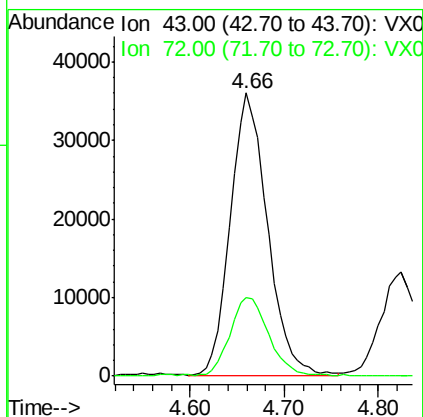
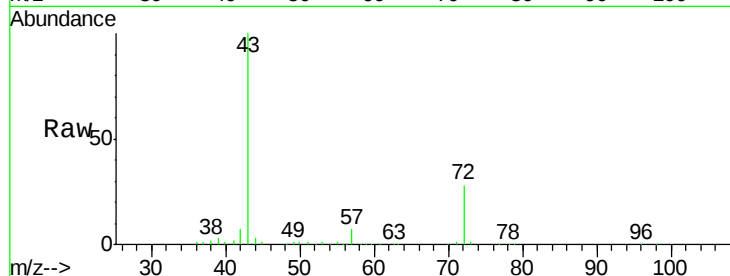
72 27.7 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.802 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011344.D

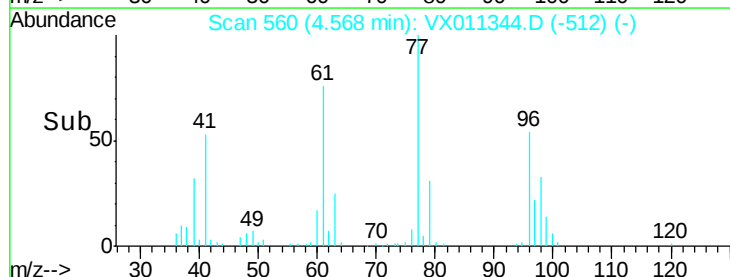
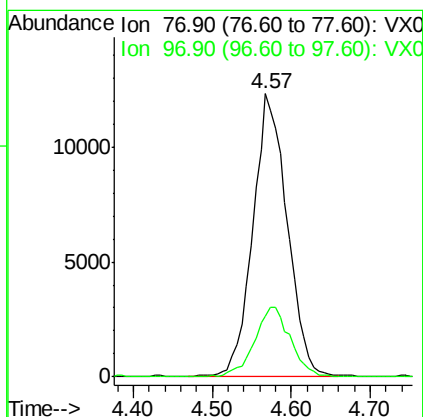
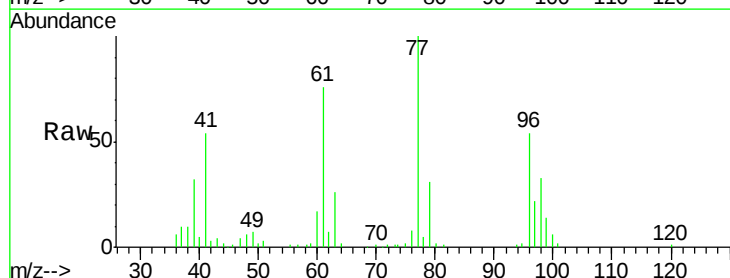
Acq: 06 Aug 2019 11:30

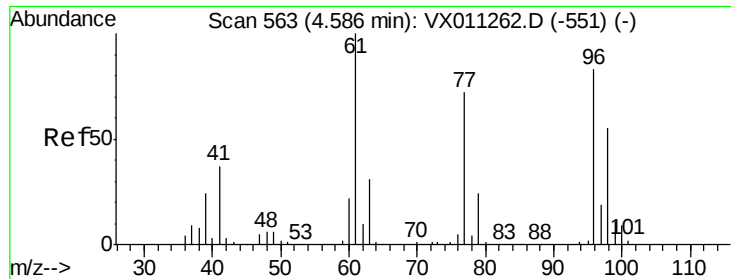
Tgt Ion: 77 Resp: 37205

Ion Ratio Lower Upper

77 100

97 25.6 12.8 38.4





#27

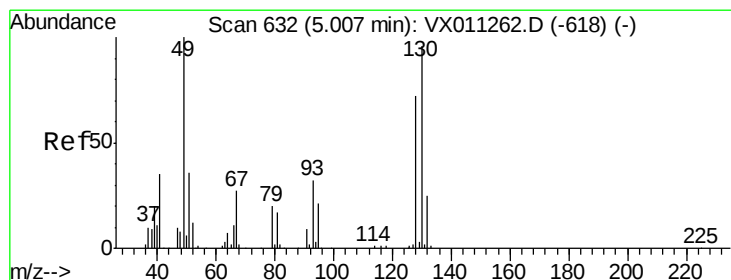
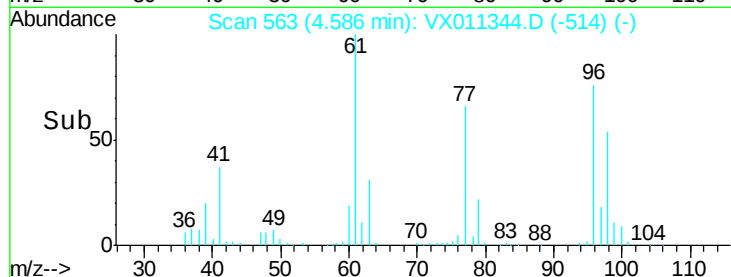
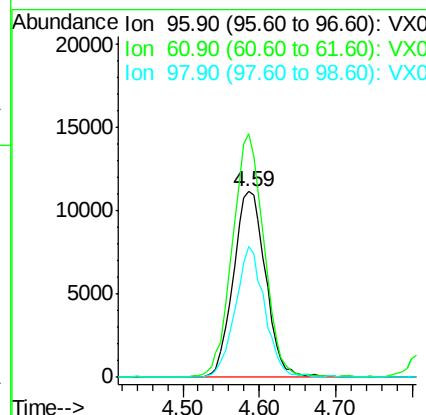
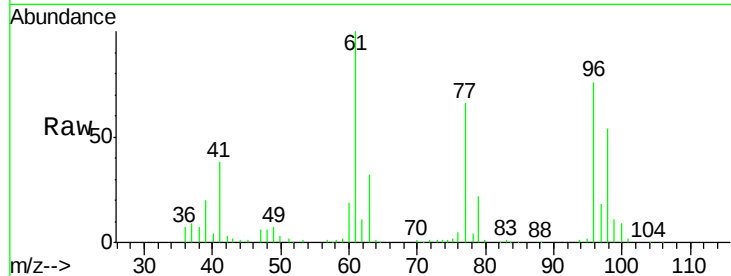
cis-1,2-Dichloroethene
Concen: 18.159 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32600		
61	128.3		0.0	260.2
98	64.0		0.0	133.2

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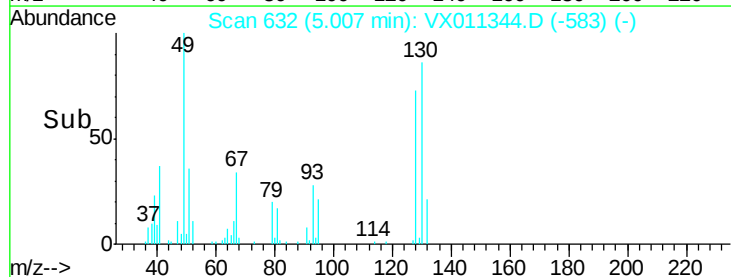
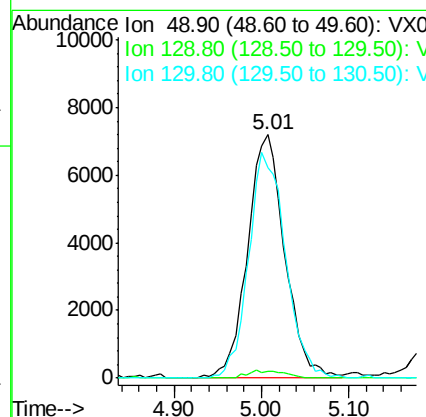
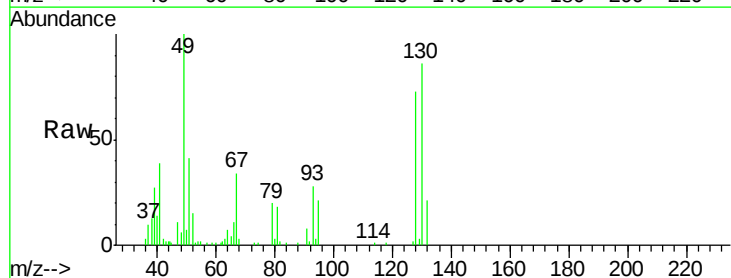
MMDadoda
8/7/2019 11:25:31 AM

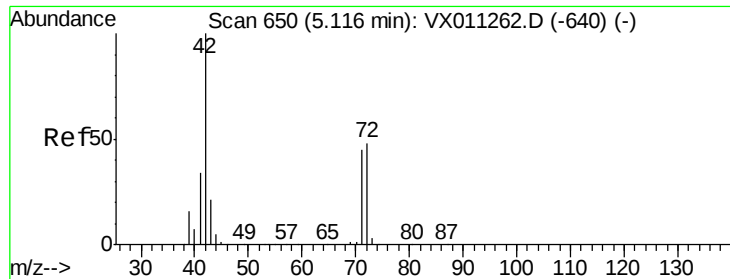


#28

Bromochloromethane
Concen: 18.351 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21296		
129	1.3		0.0	5.8
130	92.1		77.9	116.9





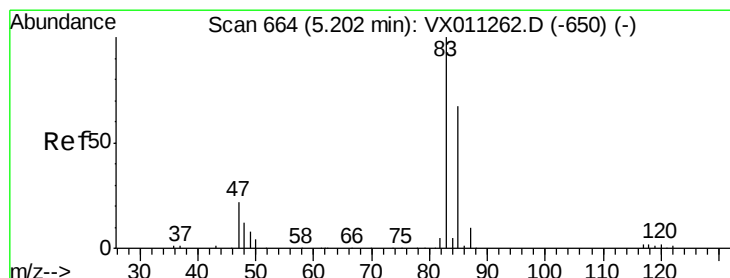
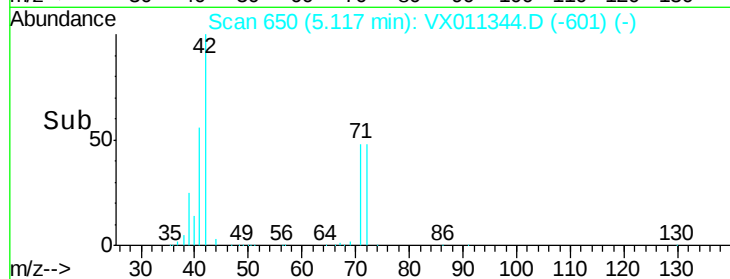
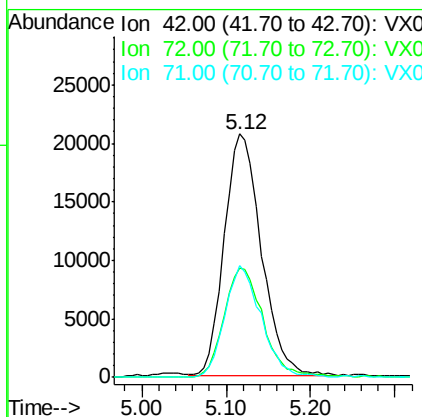
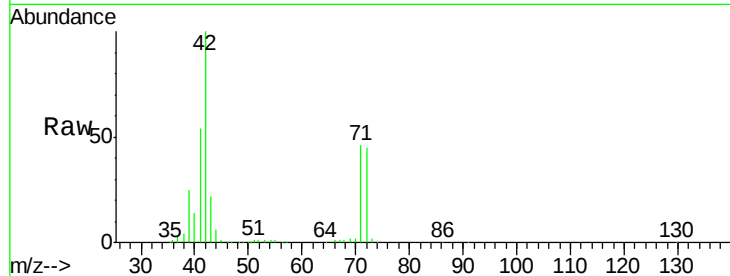
#29
Tetrahydrofuran
Concen: 91.897 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VX0806MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	39.9	59.9
71	45.4	36.9	55.3

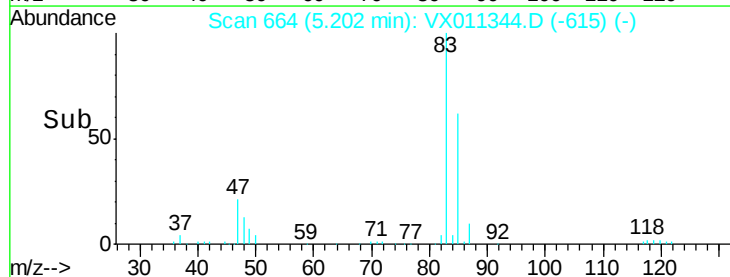
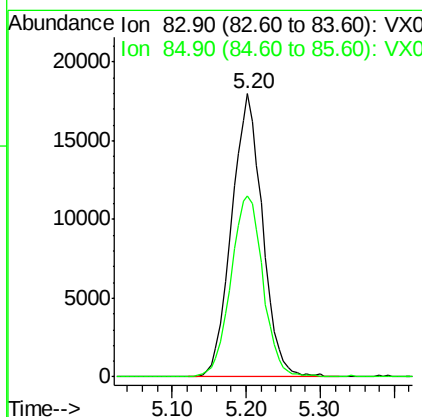
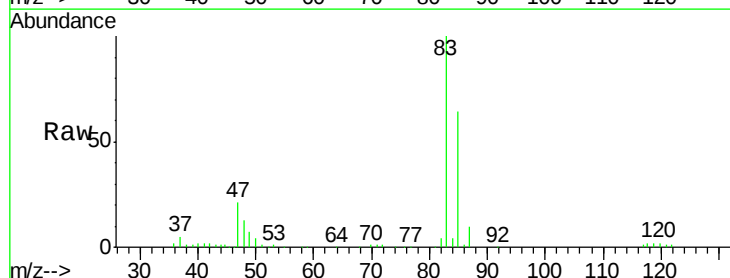
Manual Integrations
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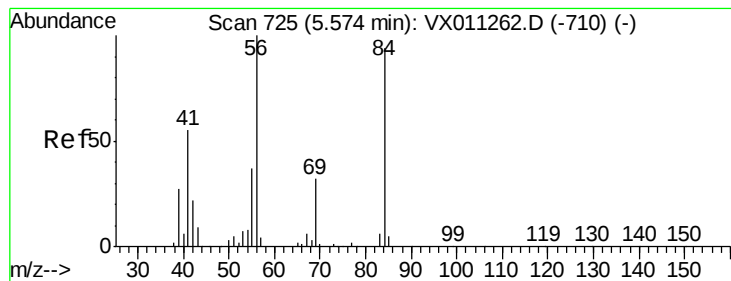
MMDadoda
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#30
Chloroform
Concen: 18.841 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.4	80.0





#31

Cyclohexane

Concen: 18.204 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

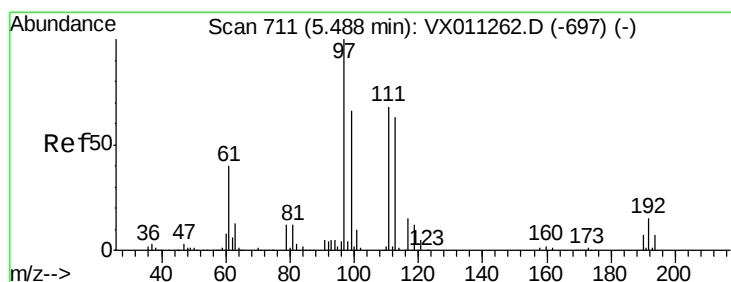
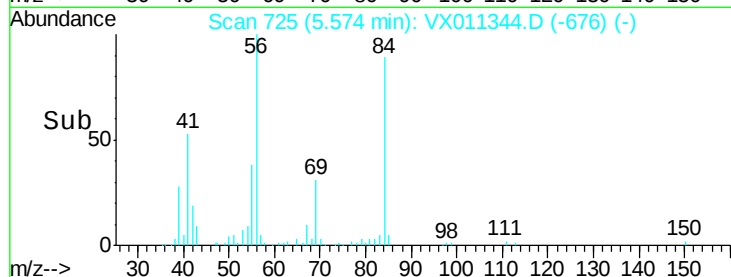
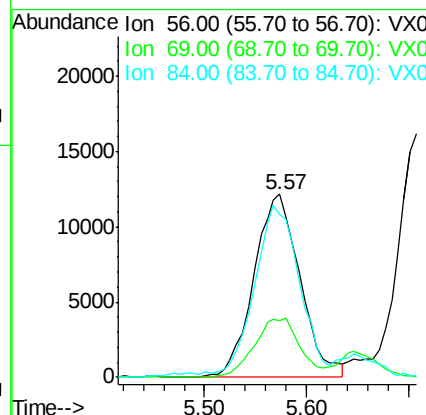
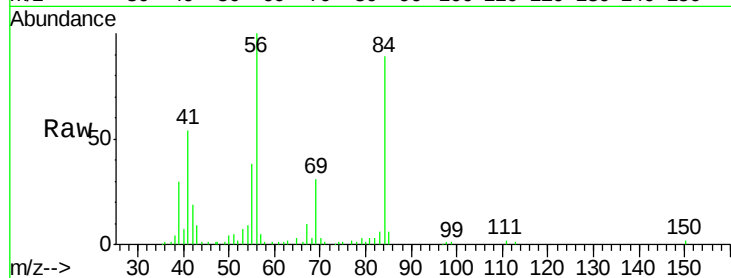
ClientSampleId :

VX0806MBS01

Tot Ion:	56	Resp:	38231
Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.5	38.3
84	86.2	75.0	112.4

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#32

1,1,1-Trichloroethane

Concen: 18.603 ug/l

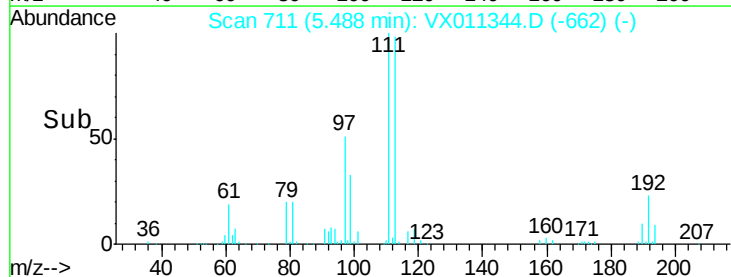
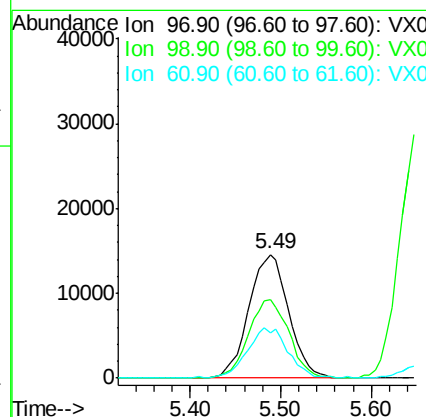
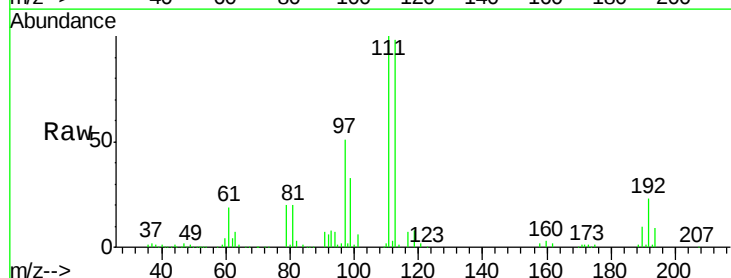
RT: 5.49 min Scan# 711

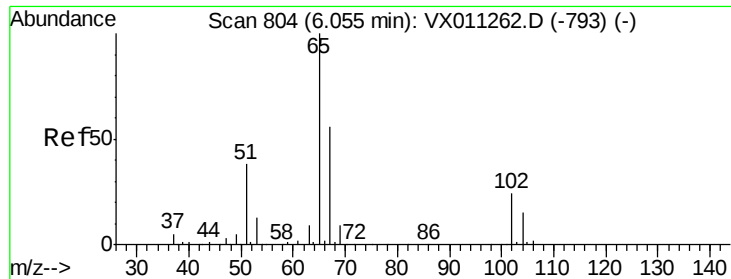
Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion:	97	Resp:	44090
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	42.0	32.3	48.5





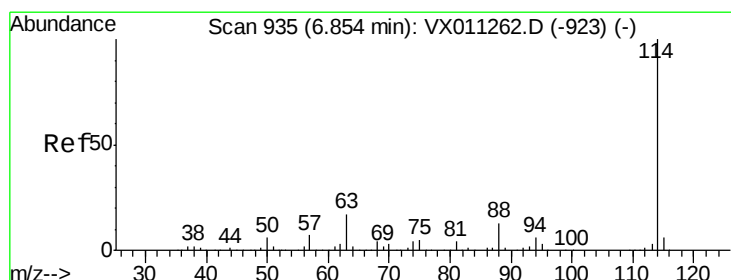
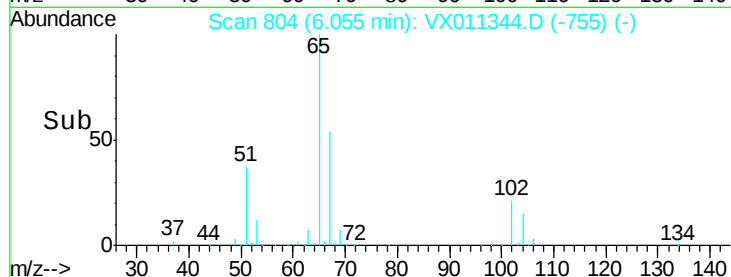
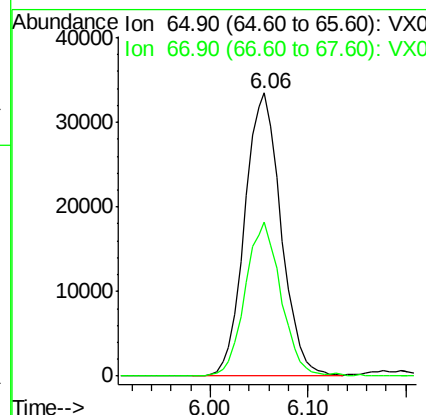
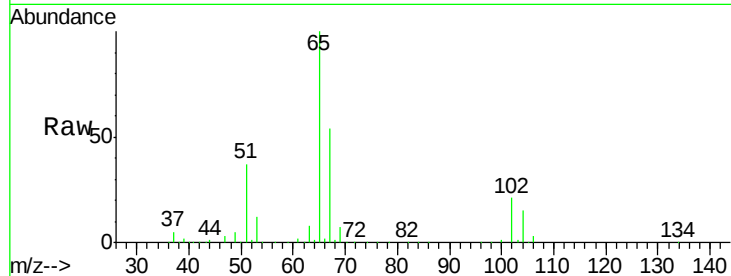
#33
 1,2-Dichloroethane-d4
 Concen: 52.863 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806MBS01

Tot Ion	65	67	Ratio	100	Resp	Lower	Upper
86209							
	65	67	100	53.2		0.0	110.6

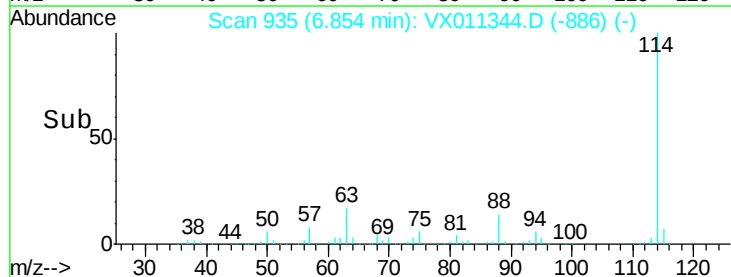
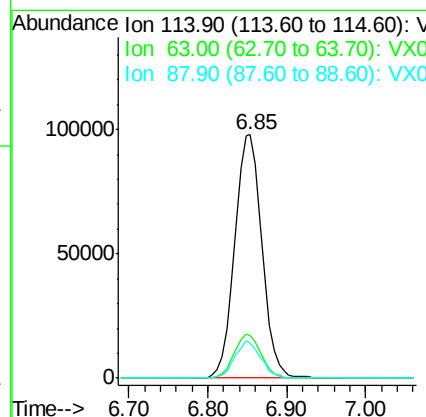
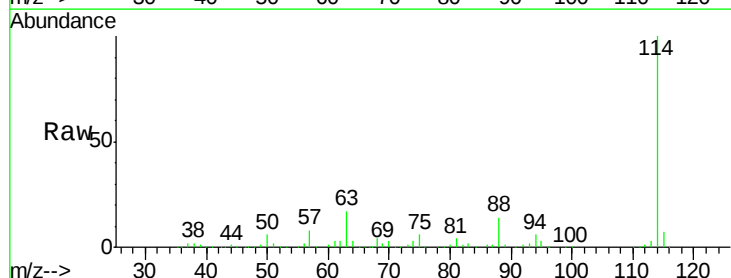
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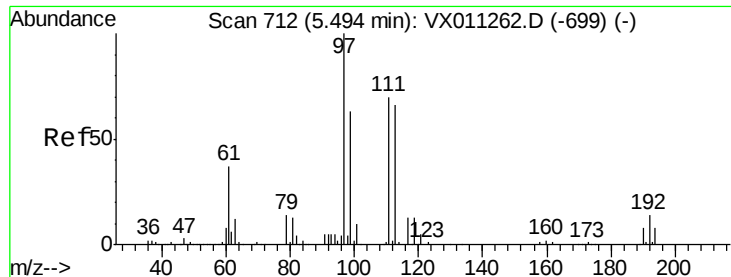
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Tgt Ion	114	63	88	Resp	Lower	Upper
234527						
	114	63	88	100	17.4	34.0
					14.2	26.4





#35

Dibromofluoromethane

Concen: 51.887 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

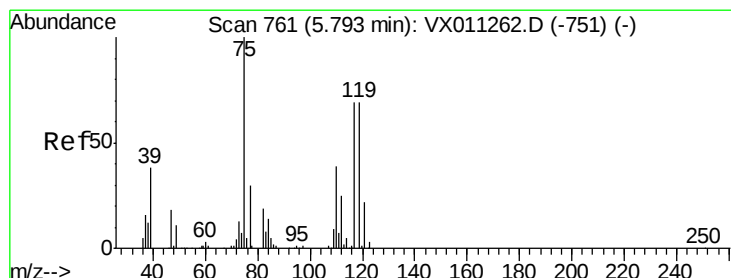
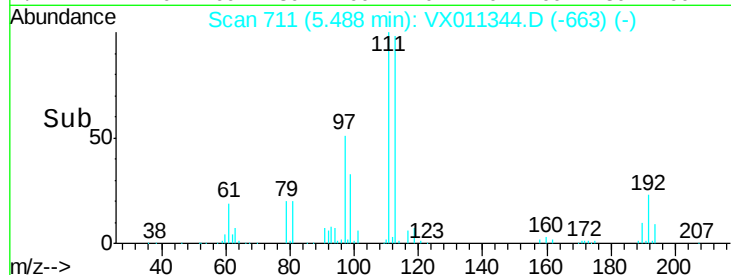
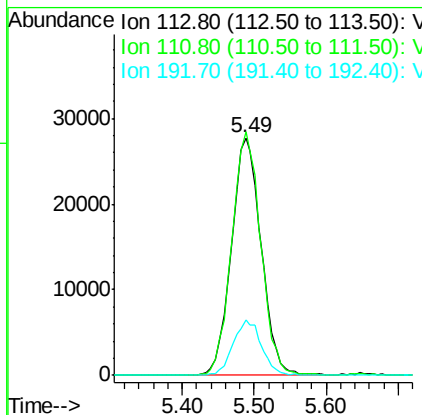
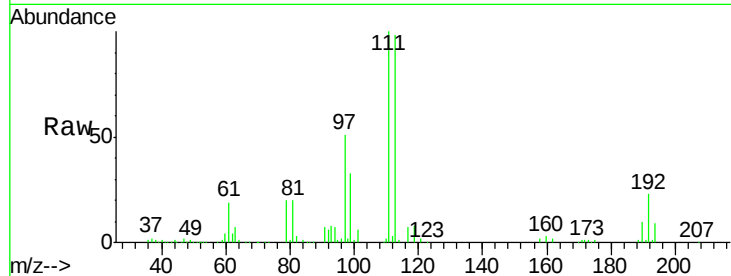
ClientSampleId :

VX0806MBS01

Tot Ion:	113	Resp:	79448
Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.9	122.9
192	22.1	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 17.911 ug/l

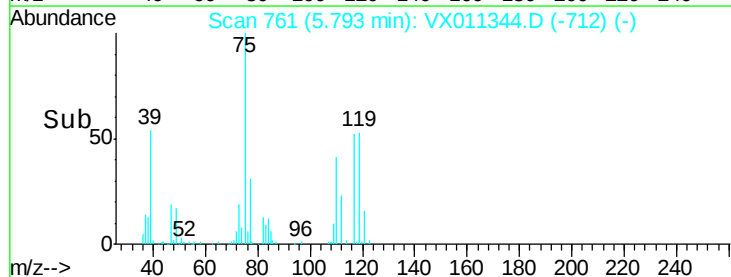
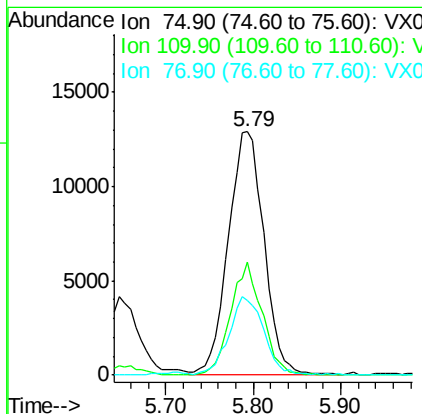
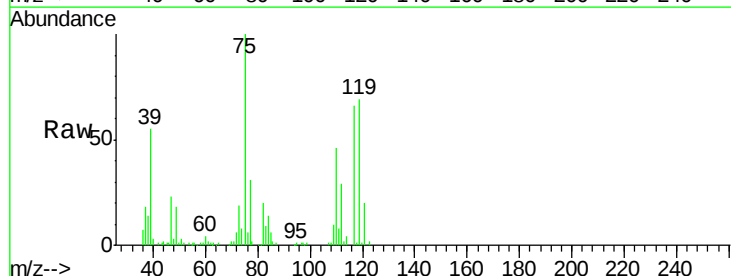
RT: 5.79 min Scan# 761

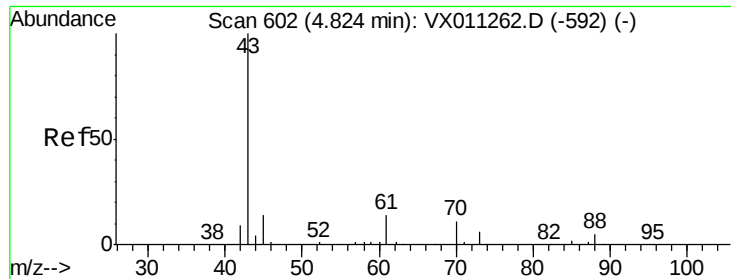
Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion:	75	Resp:	36676
Ion	Ratio	Lower	Upper
75	100		
110	40.8	20.0	59.9
77	31.3	24.8	37.2





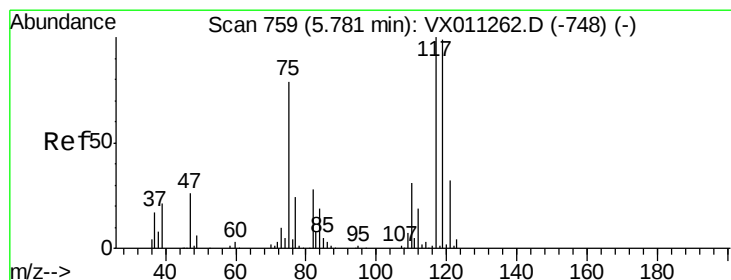
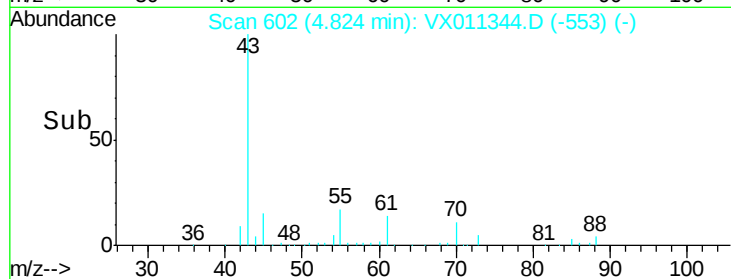
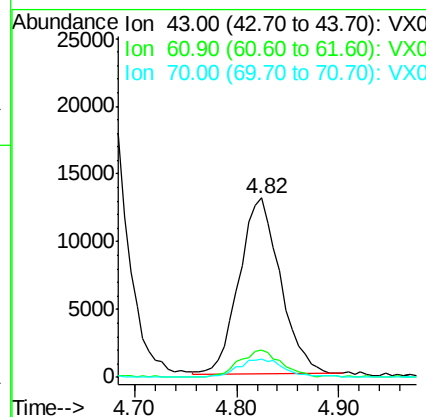
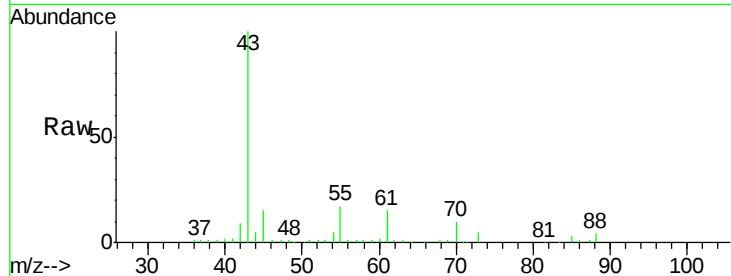
#37
Ethyl Acetate
Concen: 17.679 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.6	18.8
70	11.7	9.1	13.7

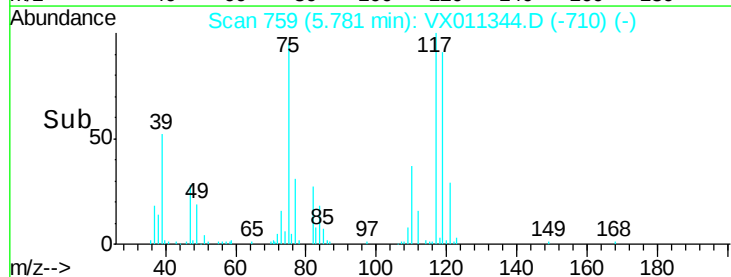
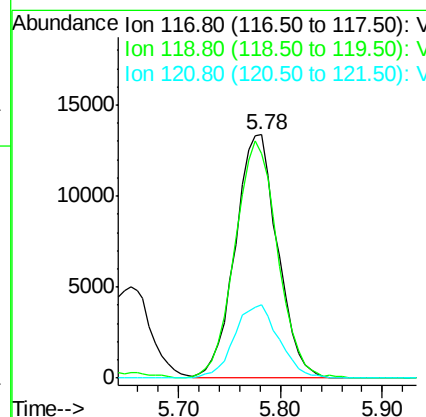
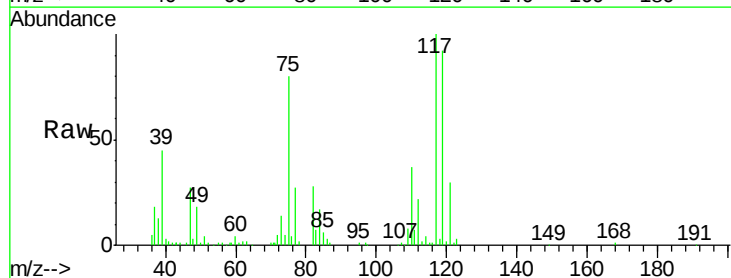
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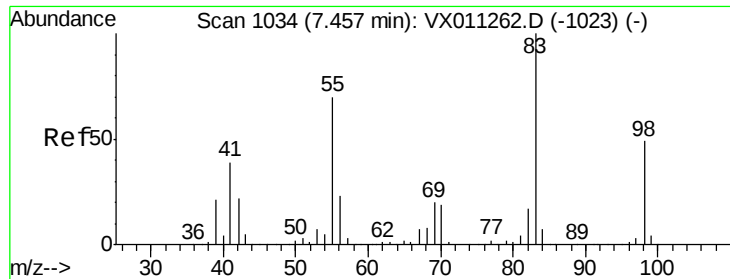
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#38
Carbon Tetrachloride
Concen: 18.720 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	79.0	118.4
121	30.1	25.9	38.9





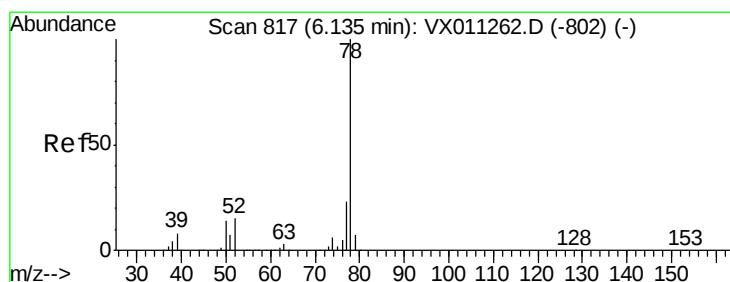
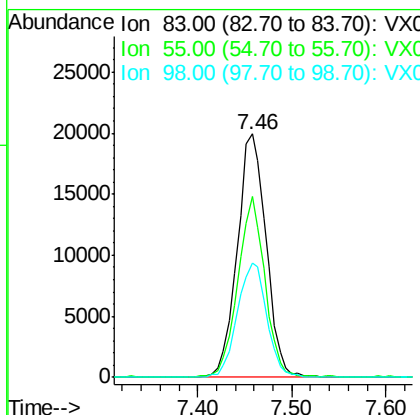
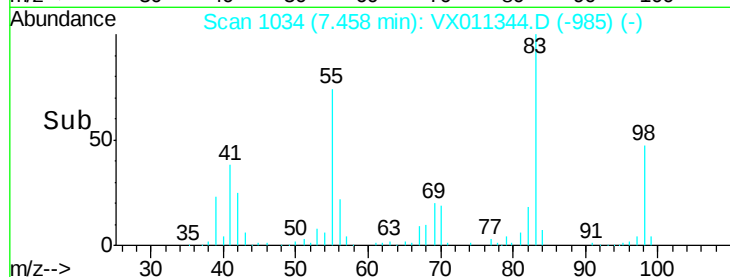
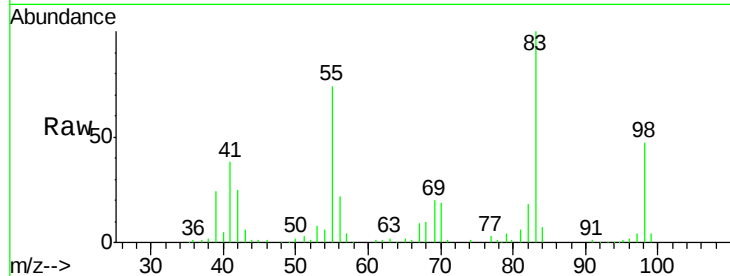
#39
Methvlcvclohexane
Concen: 17.617 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.4	56.1	84.1	
98	46.8	39.0	58.4	

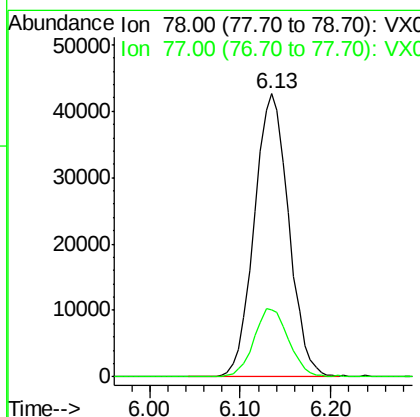
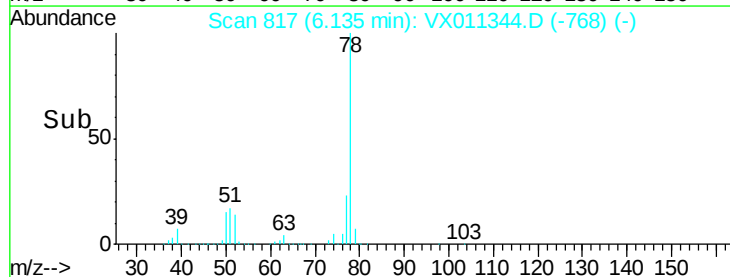
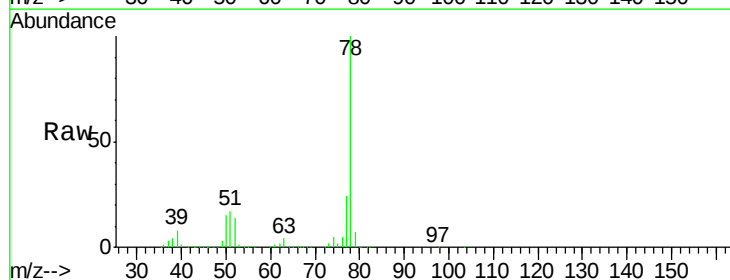
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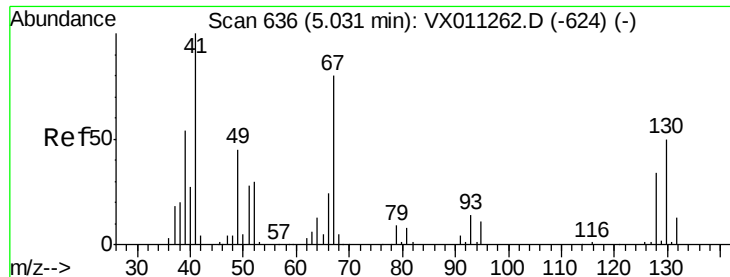
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#40
Benzene
Concen: 18.328 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.2	27.2	





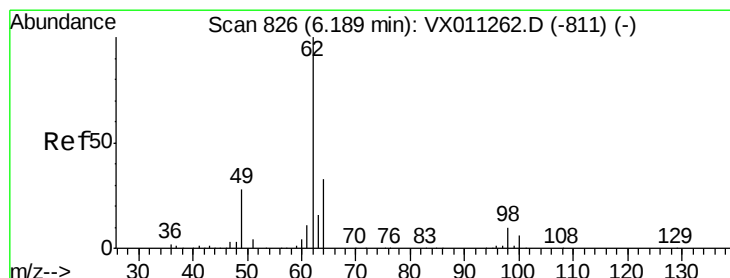
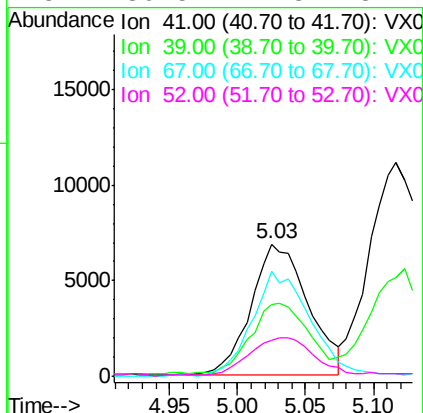
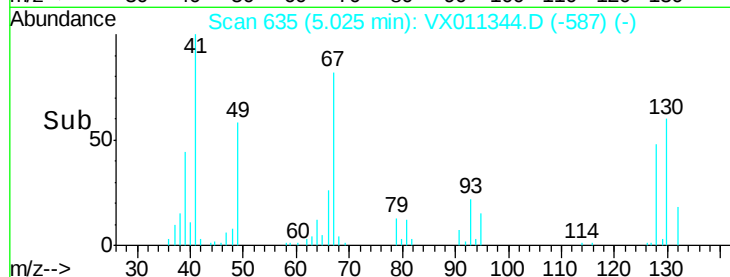
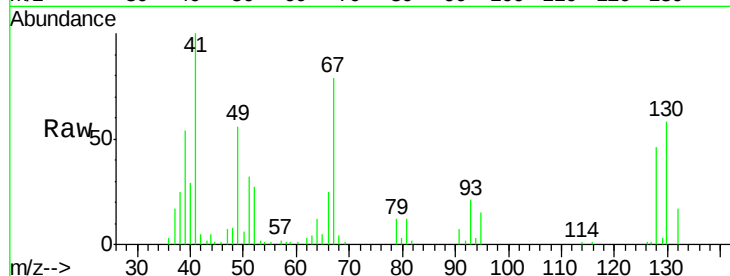
#41
Methacrylonitrile
Concen: 17.851 ug/l
RT: 5.03 min Scan# 635
Delta R.T. -0.01 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	43.0	64.6	
67	83.1	65.1	97.7	
52	30.5	24.8	37.2	

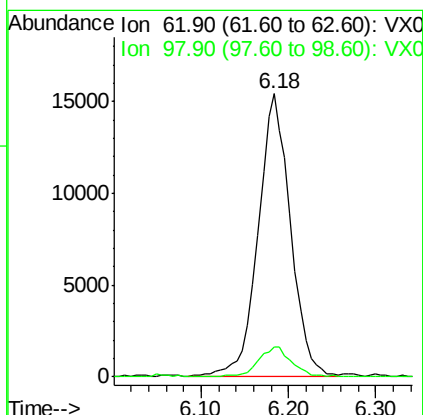
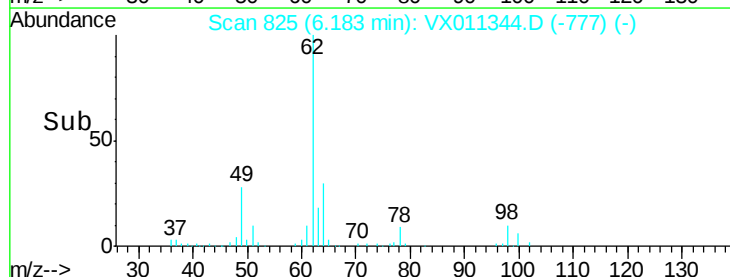
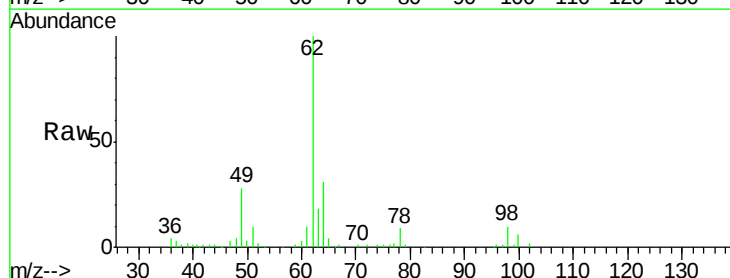
Manual Integrations
APPROVED

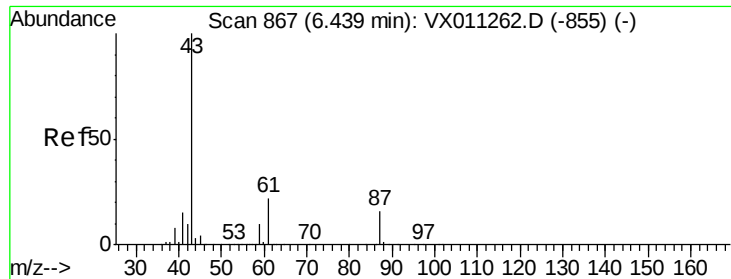
MMDadoda
8/7/2019 11:25:31 AM



#42
1,2-Dichloroethane
Concen: 19.302 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.6	





#43

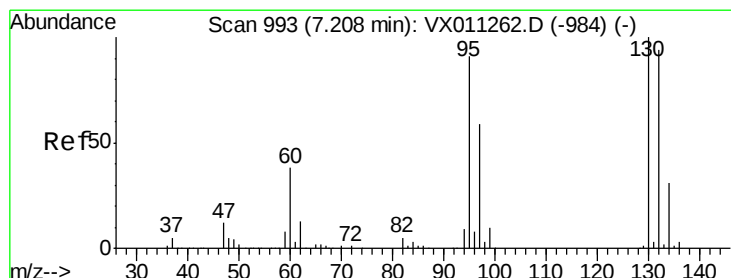
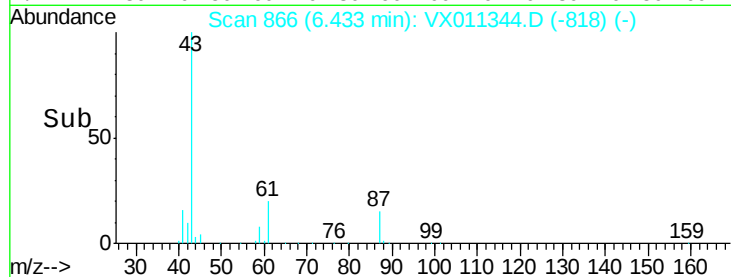
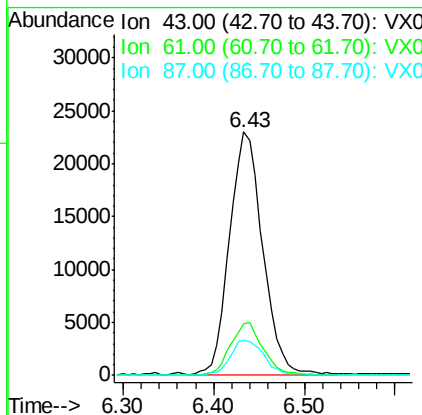
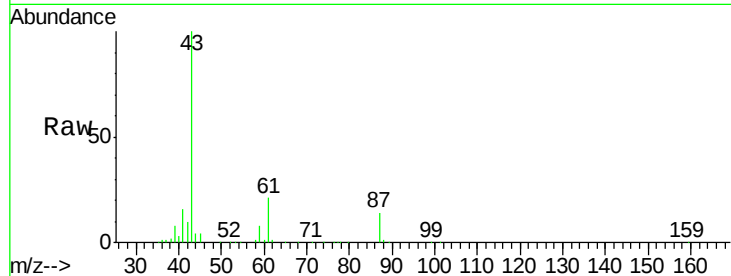
Isopropyl Acetate
 Concen: 17.950 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.5	24.7
87	14.9	12.1	18.1

Manual Integrations
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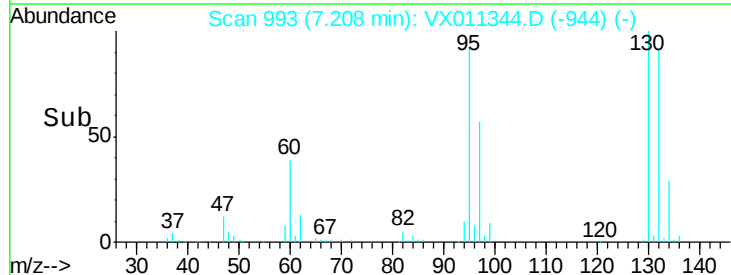
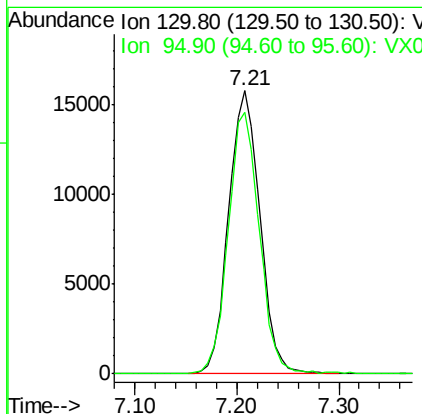
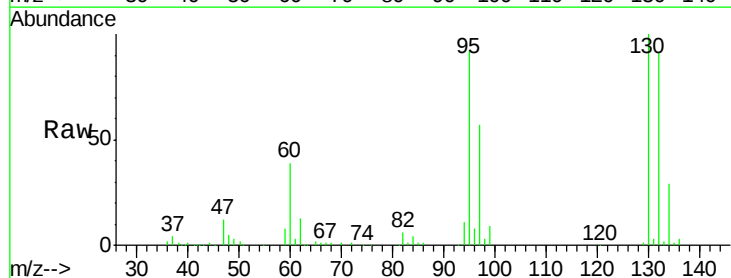
MMDadoda
 8/7/2019 11:25:31 AM

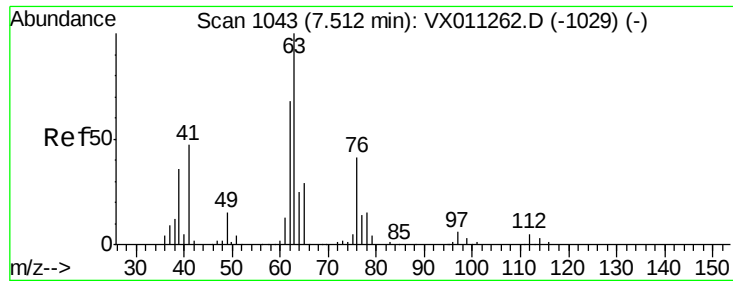


#44

Trichloroethene
 Concen: 18.080 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	182.6





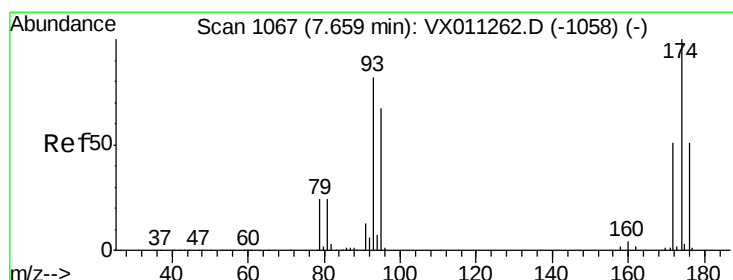
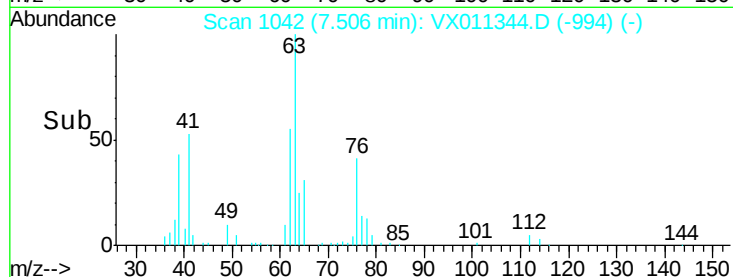
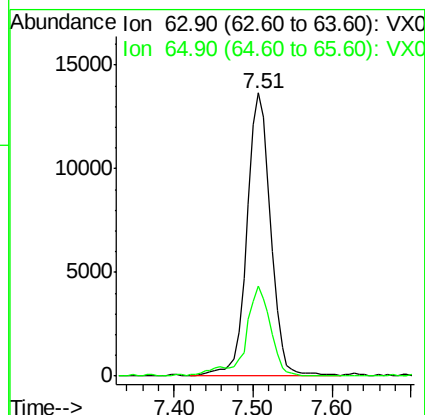
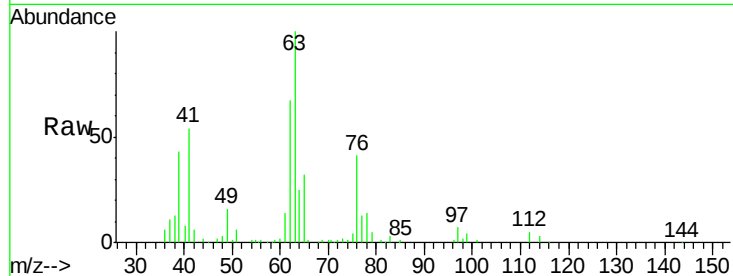
#45
 1,2-Dichloropropane
 Concen: 18.079 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX0806MBS01

Tot Ion: 63 Resp: 28610
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.3 34.9

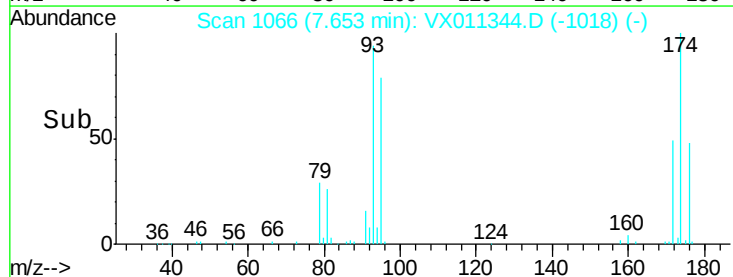
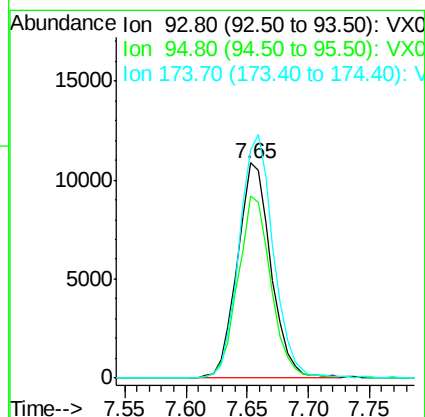
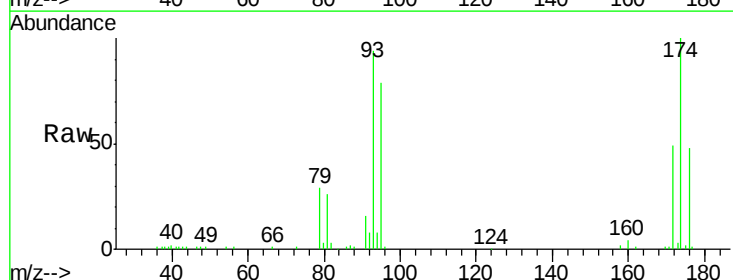
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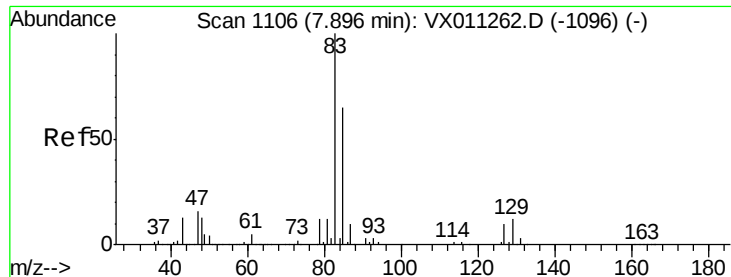
MMDadoda
 8/7/2019 11:25:31 AM



#46
 Dibromomethane
 Concen: 17.881 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Tgt Ion: 93 Resp: 20656
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.4 99.6
 174 114.9 93.4 140.2





#47

Bromodichloromethane

Concen: 18.600 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

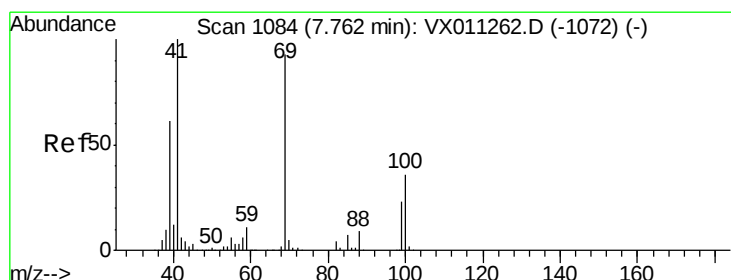
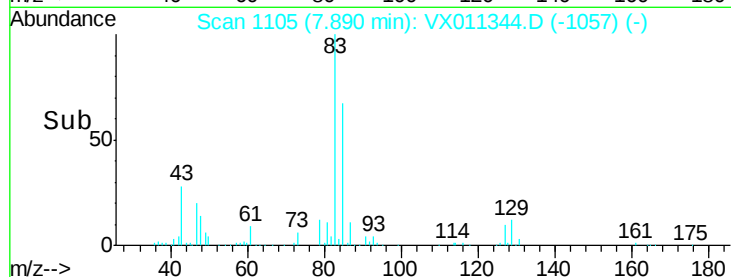
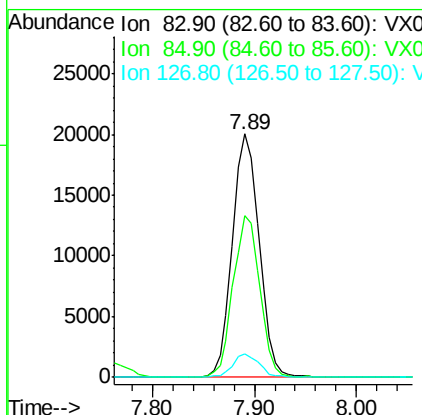
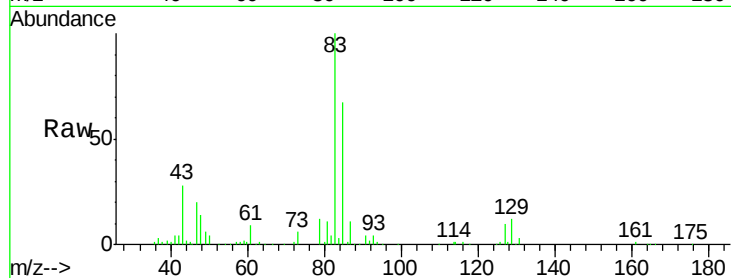
ClientSampled :

VX0806MBS01

Tot Ion:	83	Resp:	36379
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.2	78.2
127	9.7	7.8	11.8

Manual Integrations
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MMDadoda
8/7/2019 11:25:31 AM



#48

Methyl methacrylate

Concen: 18.767 ug/l

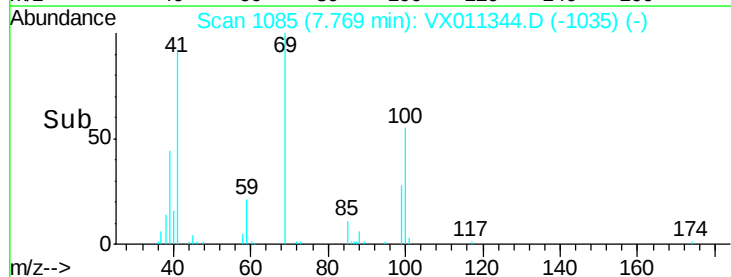
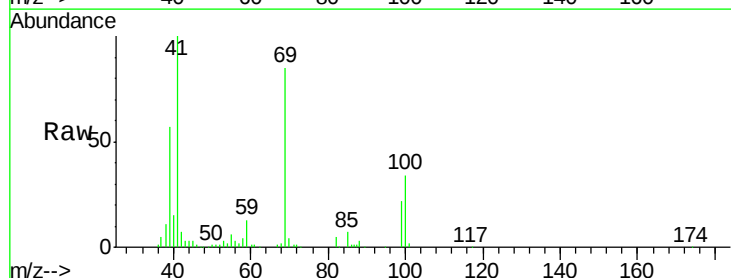
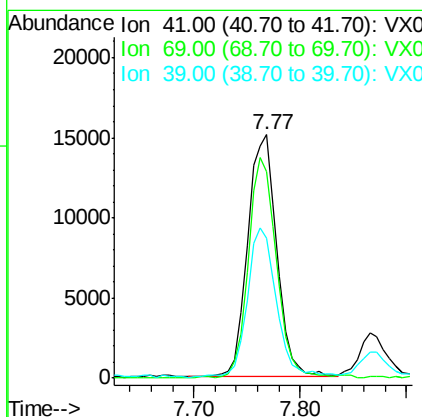
RT: 7.77 min Scan# 1085

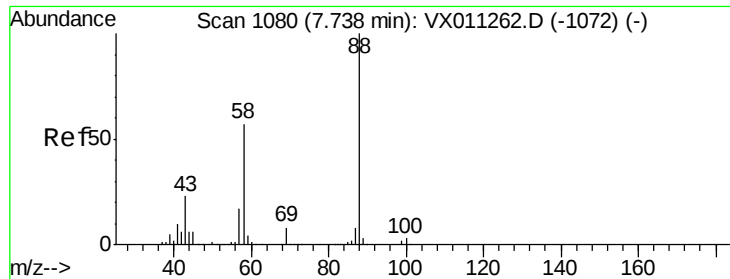
Delta R.T. 0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion:	41	Resp:	29002
Ion	Ratio	Lower	Upper
41	100		
69	88.3	74.5	111.7
39	63.7	48.6	72.8





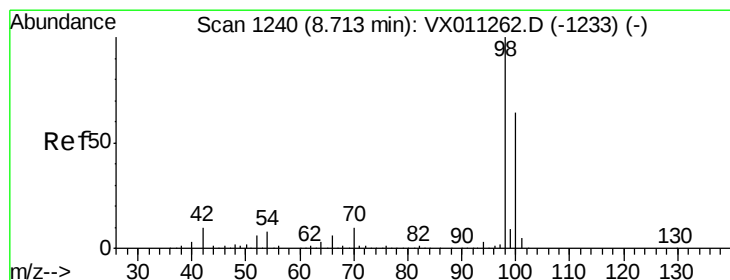
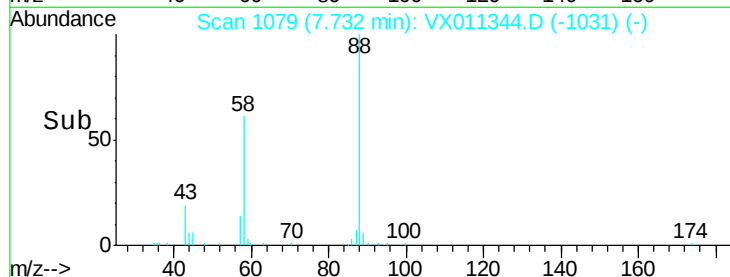
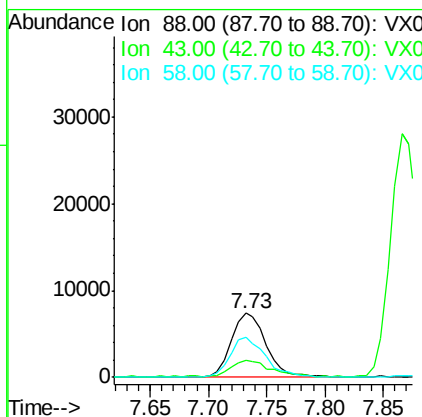
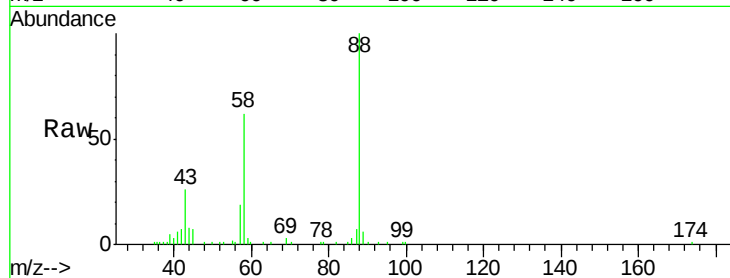
#49
1,4-Dioxane
Concen: 344.359 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.7	22.2	33.2
58	64.4	47.8	71.8

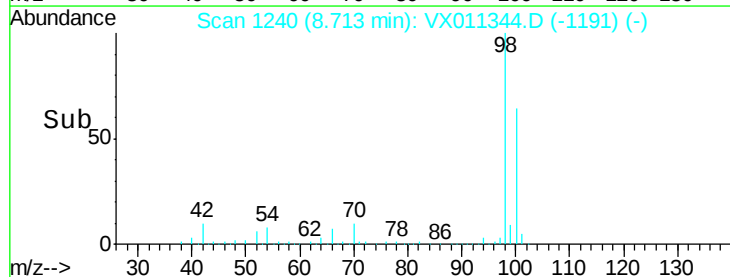
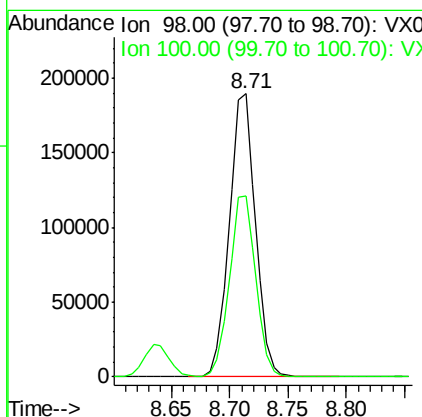
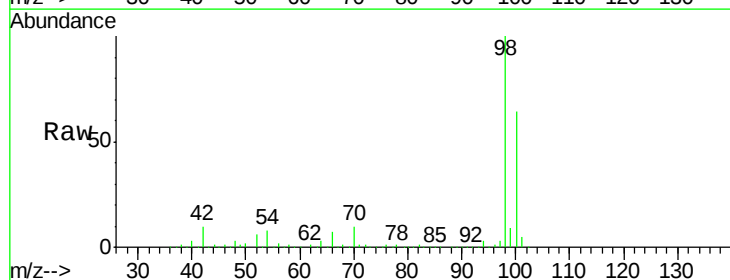
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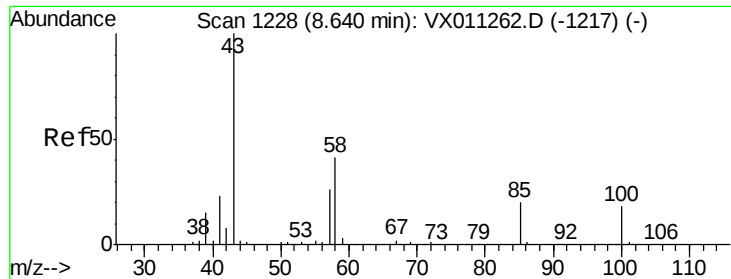
MMDadoda
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#50
Toluene-d8
Concen: 51.114 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 93.237 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0806MBS01

Tot Ion: 43 Resp: 197589

Ion Ratio Lower Upper

43 100

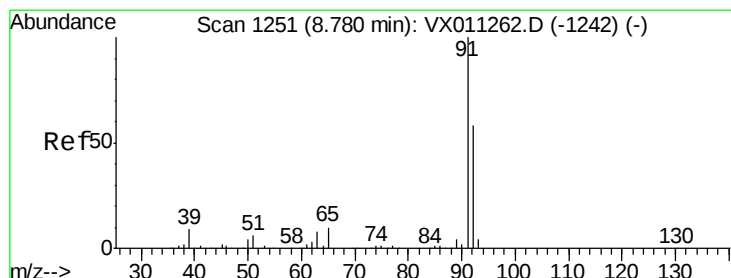
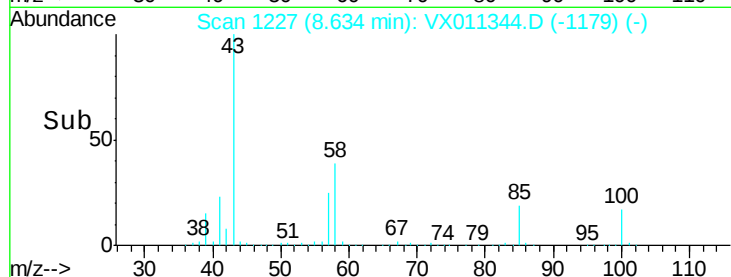
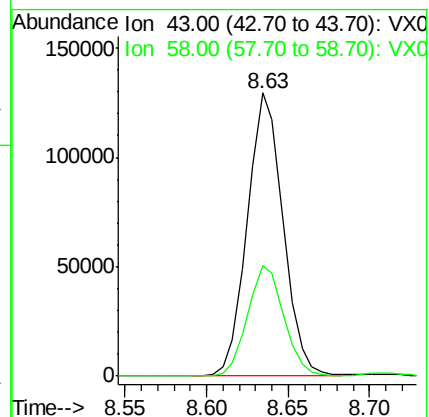
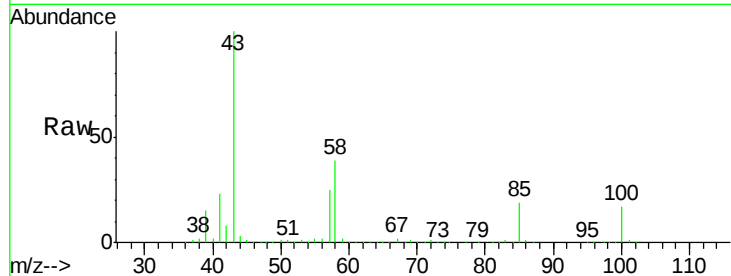
58 39.8 32.3 48.5

Manual Integrations

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#52

Toluene

Concen: 18.465 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011344.D

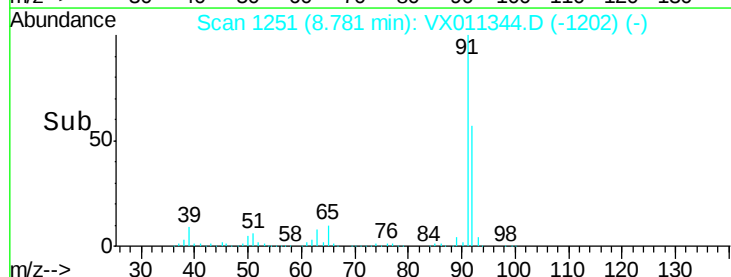
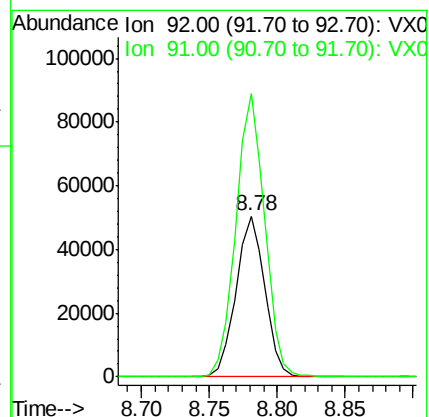
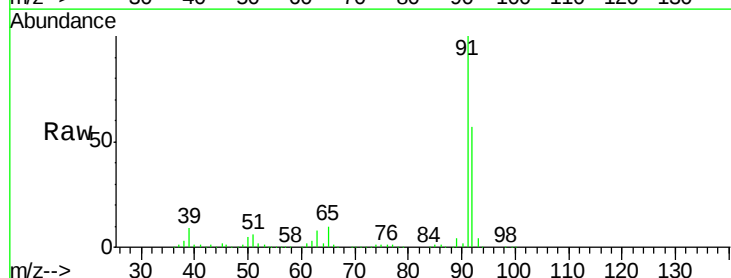
Acq: 06 Aug 2019 11:30

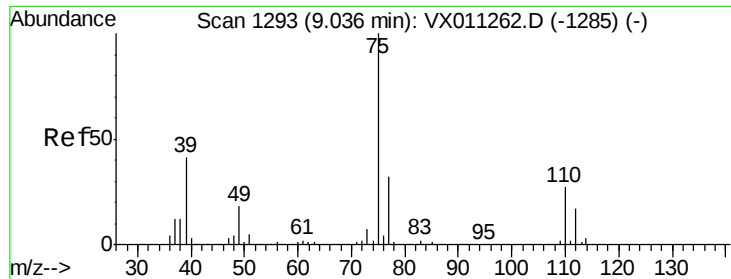
Tgt Ion: 92 Resp: 74597

Ion Ratio Lower Upper

92 100

91 175.2 139.4 209.0





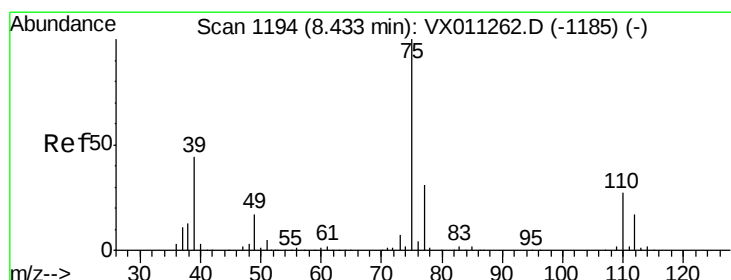
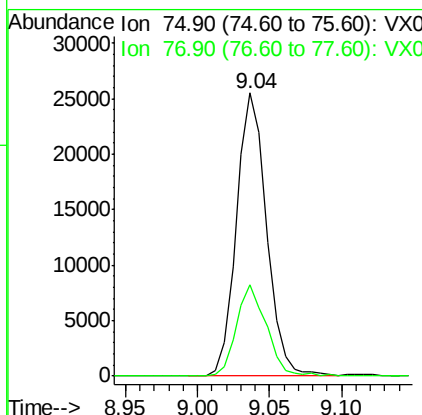
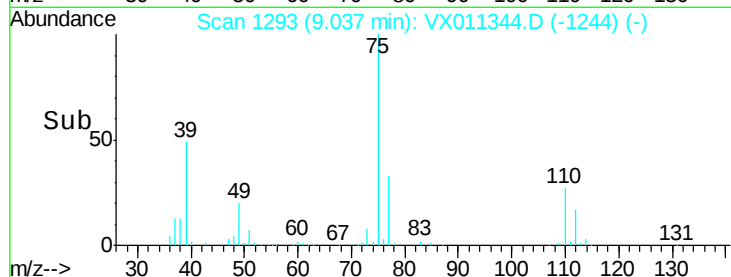
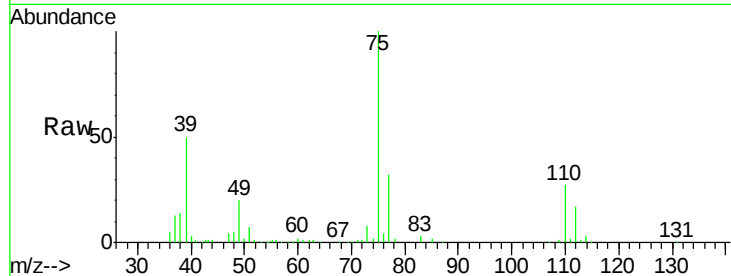
#53
t-1,3-Dichloropropene
Concen: 18.242 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion: 75 Resp: 37199
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0

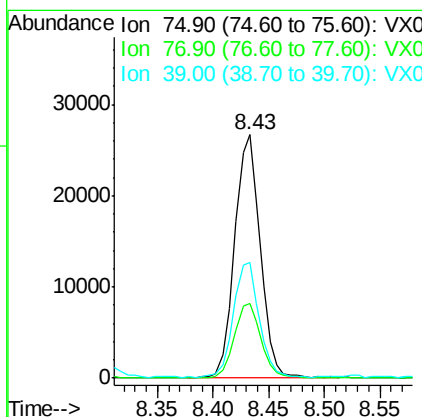
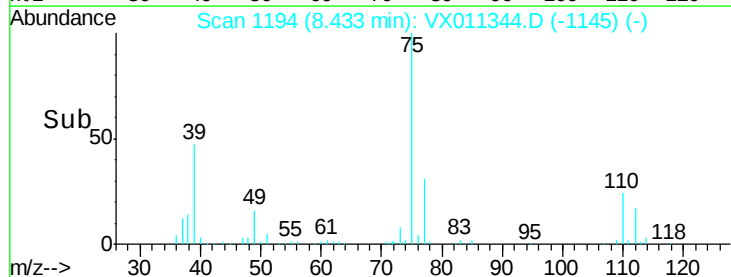
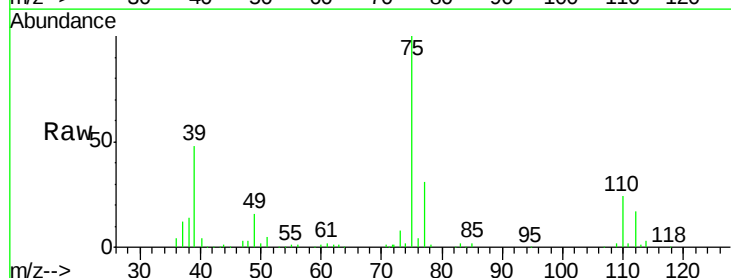
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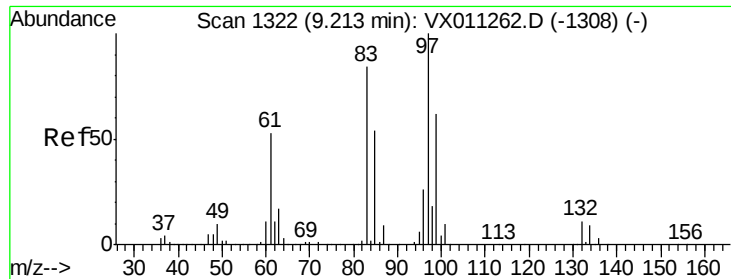
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#54
cis-1,3-Dichloropropene
Concen: 18.620 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion: 75 Resp: 42541
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.6
39 47.0 35.3 52.9





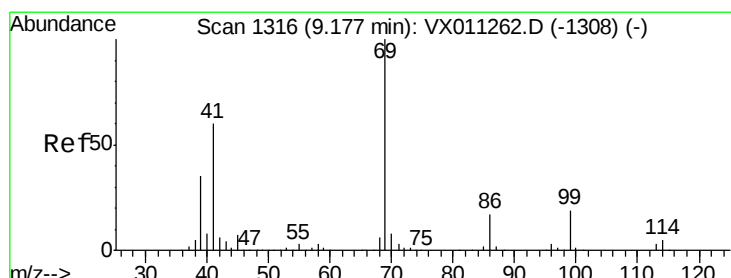
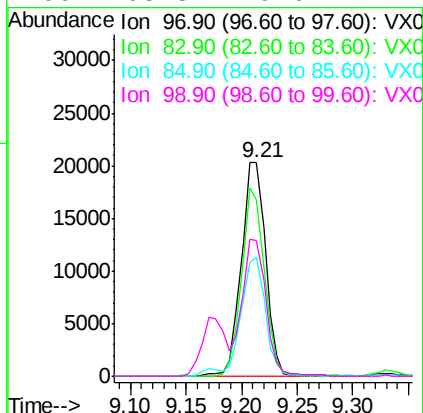
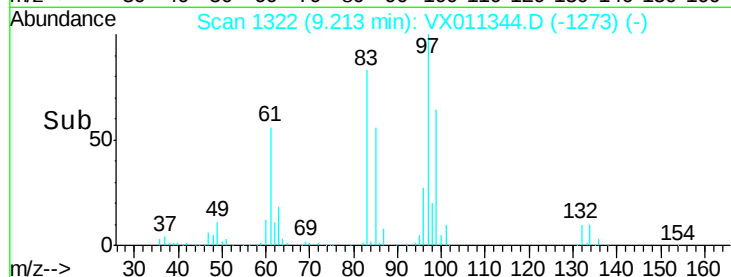
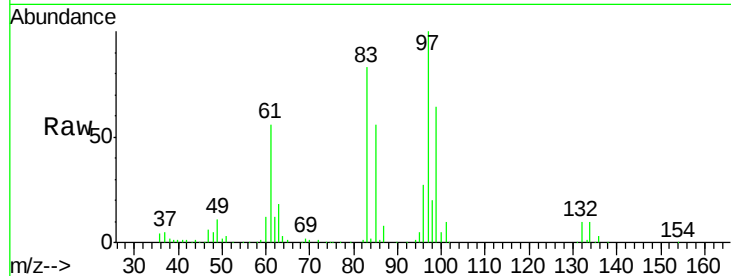
#55
 1,1,2-Trichloroethane
 Concen: 18.641 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		30964		
83	82.9	67.6	101.4		
85	55.8	43.4	65.0		
99	63.8	49.6	74.4		

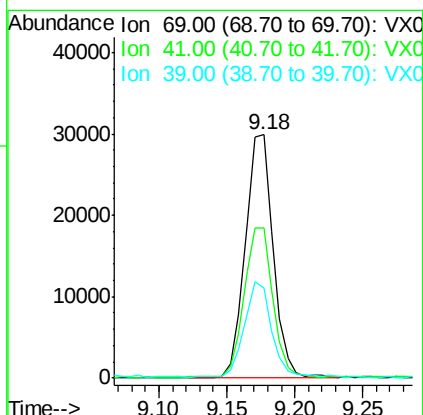
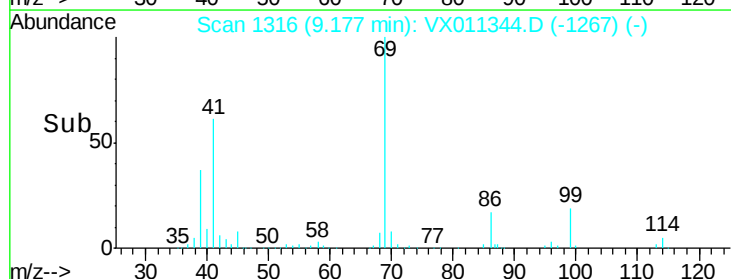
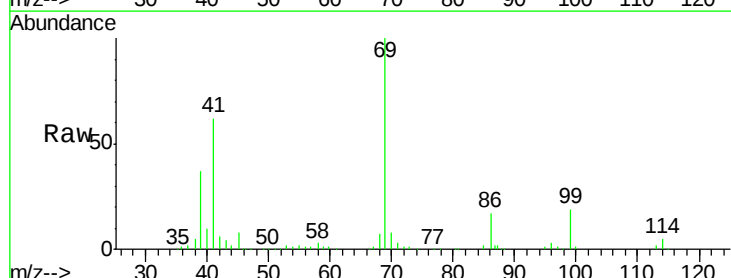
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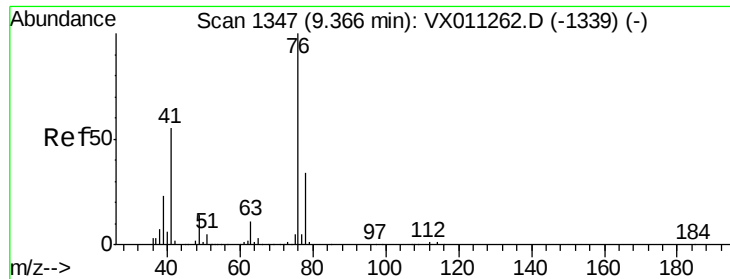
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 8/7/2019 11:25:31 AM



#56
 Ethyl methacrylate
 Concen: 18.264 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		43233		
41	61.7	48.6	73.0		
39	38.5	29.4	44.2		





#57

1,3-Dichloropropane

Concen: 18.562 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion: 76 Resp: 48762

Ion Ratio Lower Upper

76 100

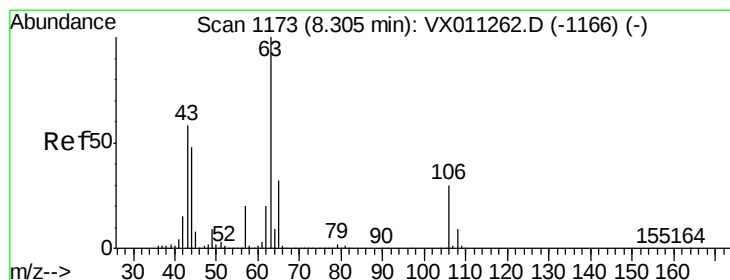
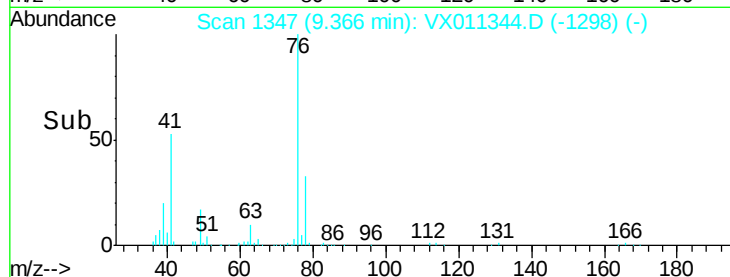
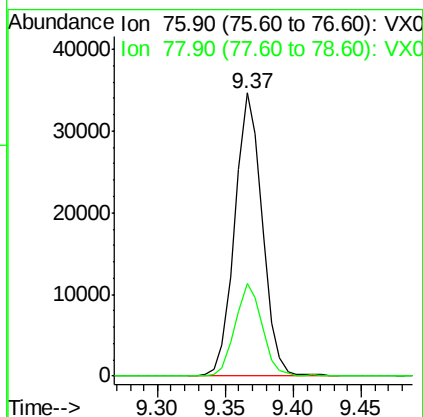
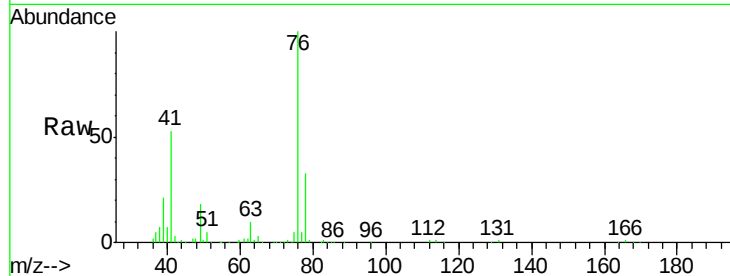
78 32.4 26.6 40.0

Manual Integrations

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8/7/2019 11:25:31 AM



#58

2-Chloroethyl Vinyl ether

Concen: 92.055 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011344.D

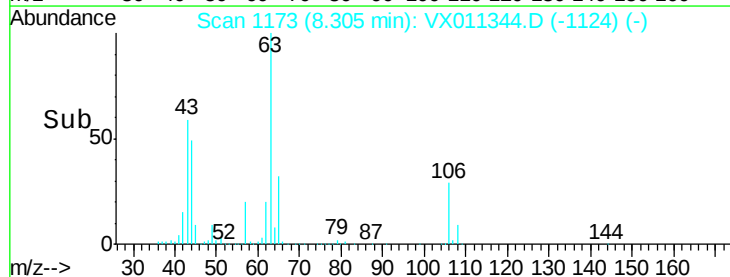
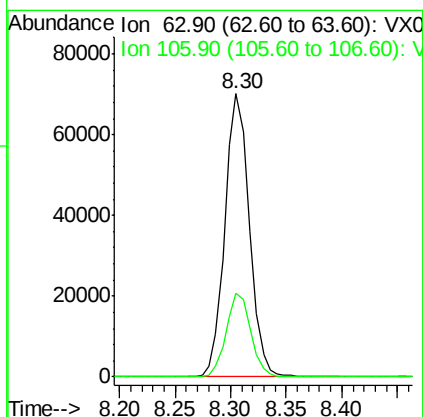
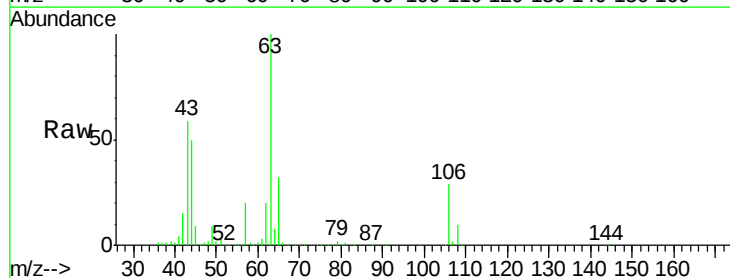
Acq: 06 Aug 2019 11:30

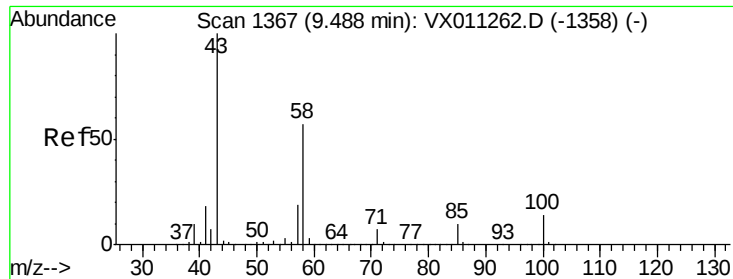
Tgt Ion: 63 Resp: 107141

Ion Ratio Lower Upper

63 100

106 29.7 24.4 36.6





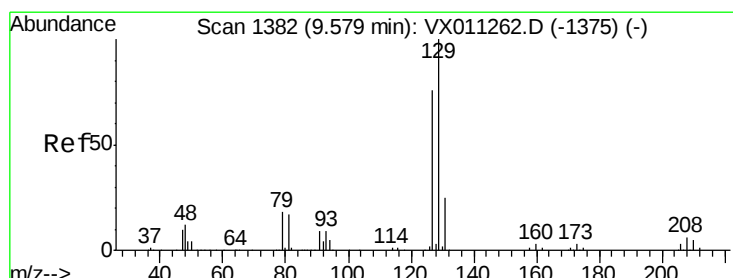
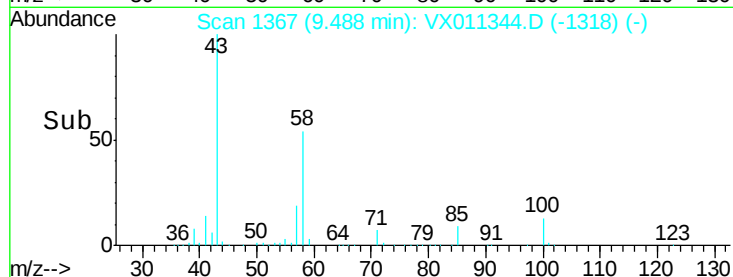
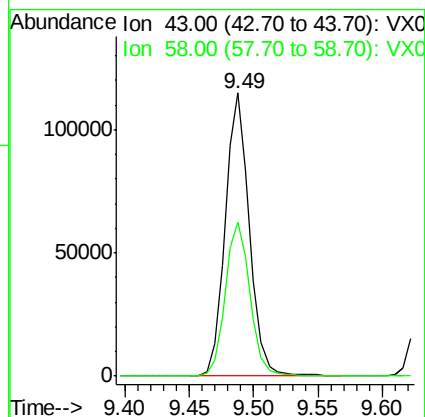
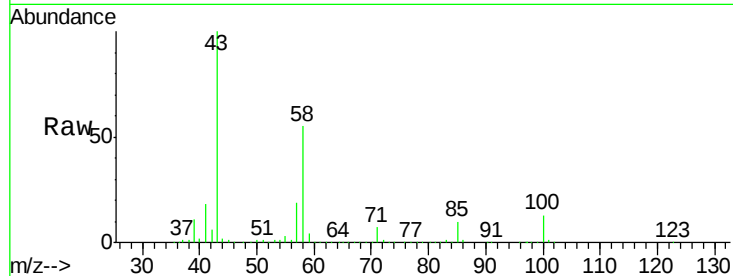
#59
2-Hexanone
Concen: 92.150 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VX0806MBS01

Tot Ion: 43 Resp: 151261
Ion Ratio Lower Upper
43 100
58 56.0 28.2 84.6

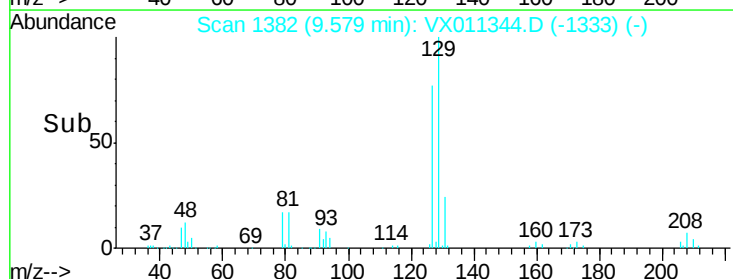
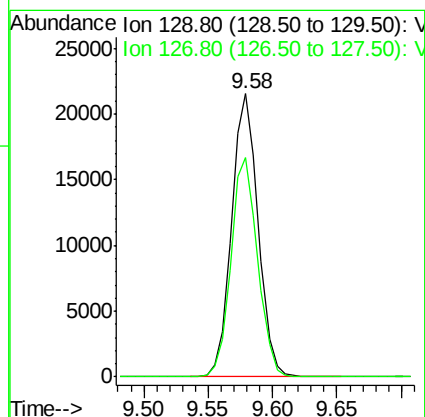
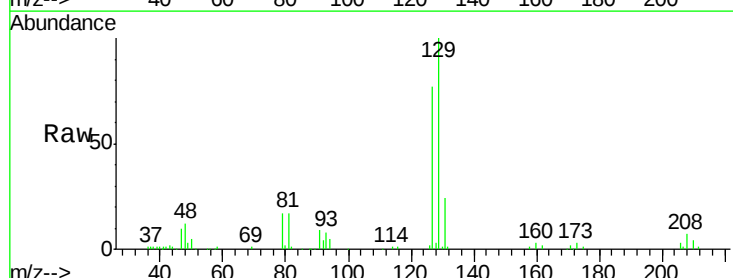
Manual Integrations
APPROVED

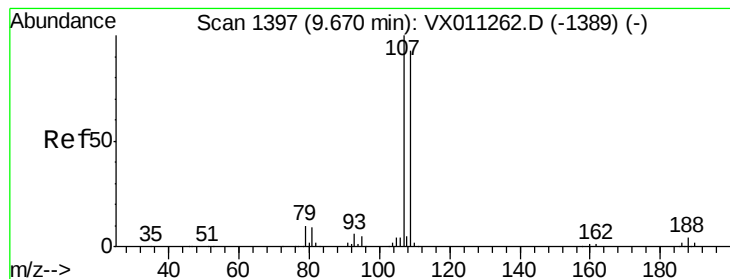
MMDadoda
8/7/2019 11:25:31 AM



#60
Dibromochloromethane
Concen: 18.220 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion: 129 Resp: 30985
Ion Ratio Lower Upper
129 100
127 78.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 18.425 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion: 107 Resp: 33065

Ion Ratio Lower Upper

107 100

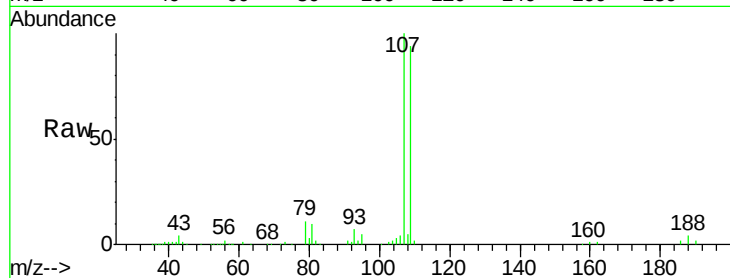
109 93.7 76.6 114.8

Manual Integrations

APPROVED

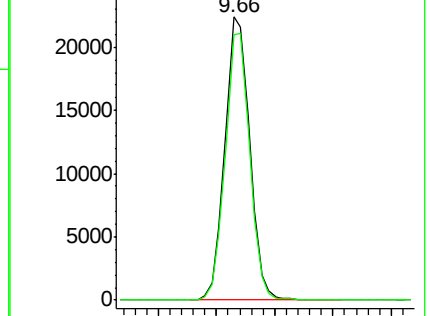
MMDadoda

8/7/2019 11:25:31 AM

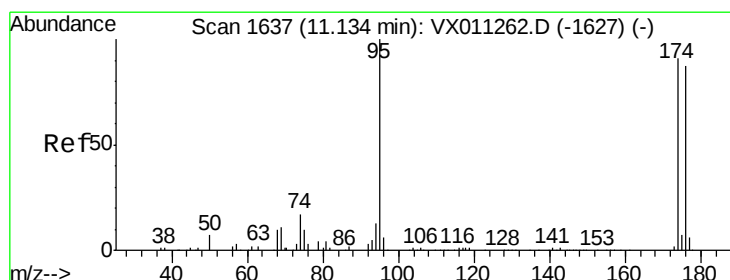
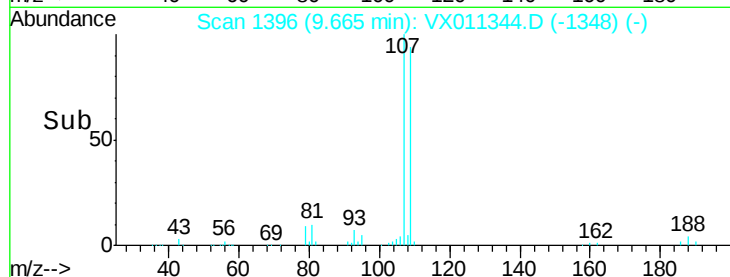


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 51.278 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

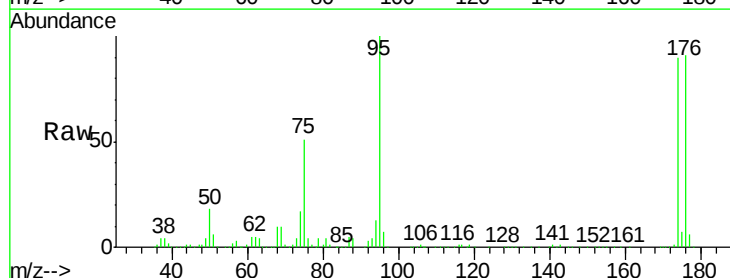
Tgt Ion: 95 Resp: 105814

Ion Ratio Lower Upper

95 100

174 92.7 0.0 191.2

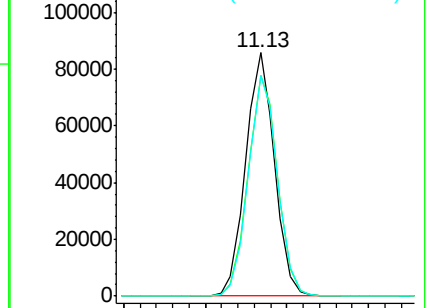
176 91.4 0.0 184.8



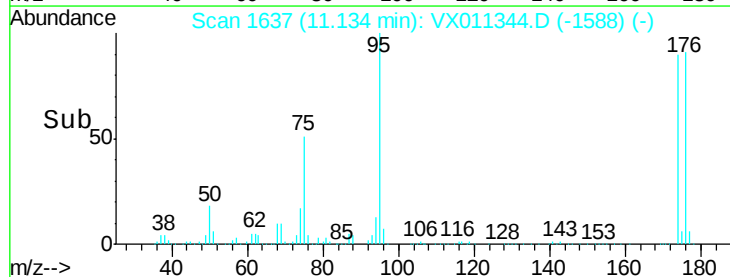
Abundance Ion 94.90 (94.60 to 95.60): VX0

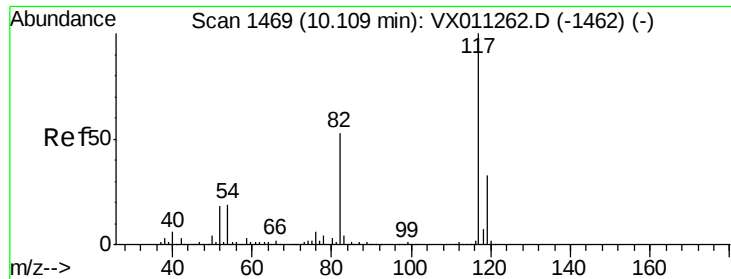
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





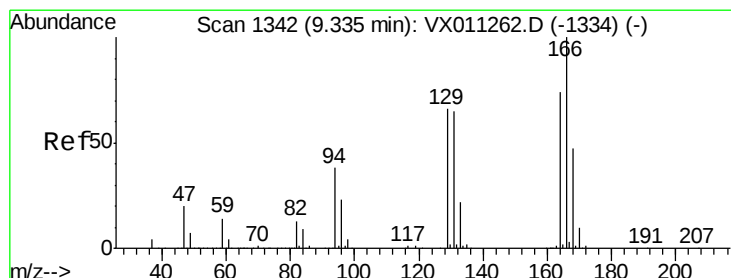
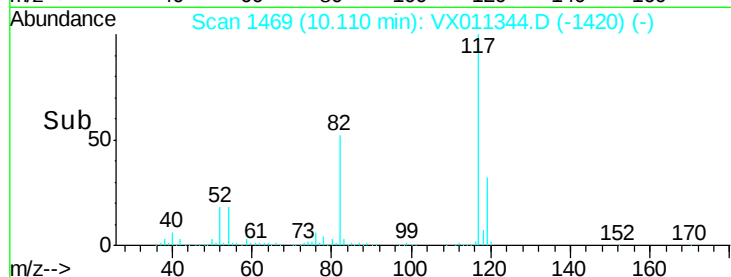
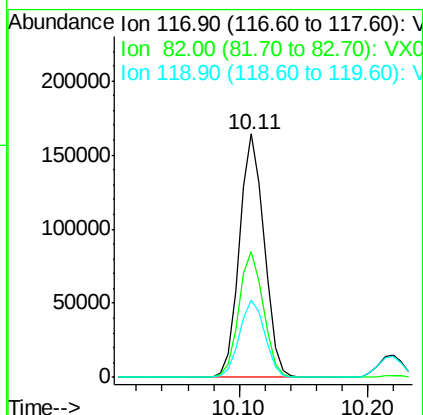
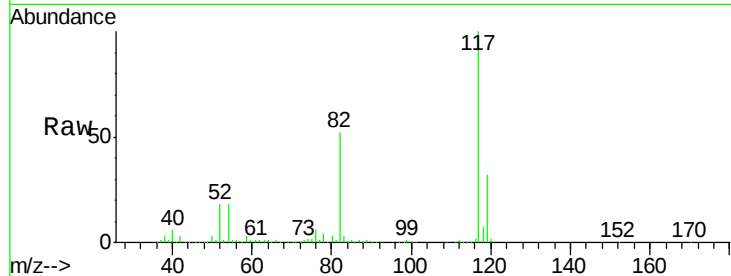
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	217490		
82	51.6	42.2	63.2	
119	32.0	26.6	39.8	

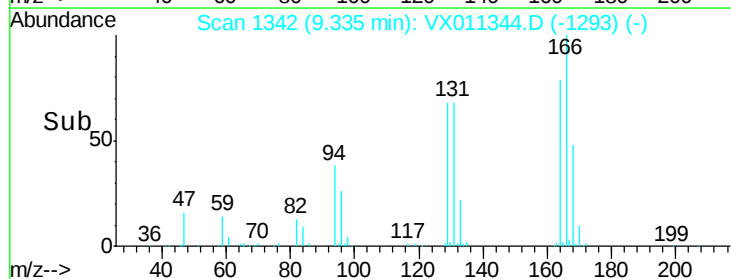
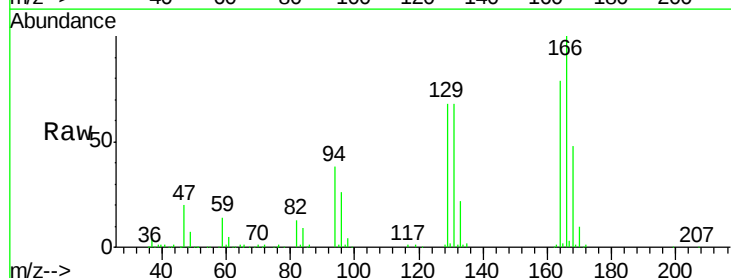
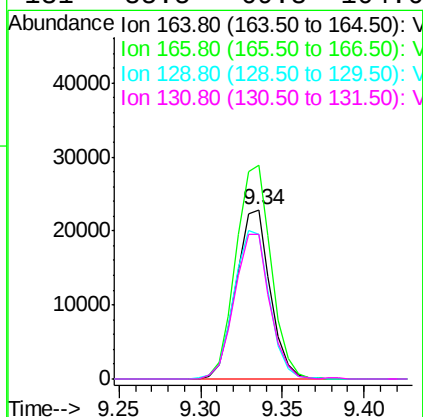
Manual Integrations
APPROVED

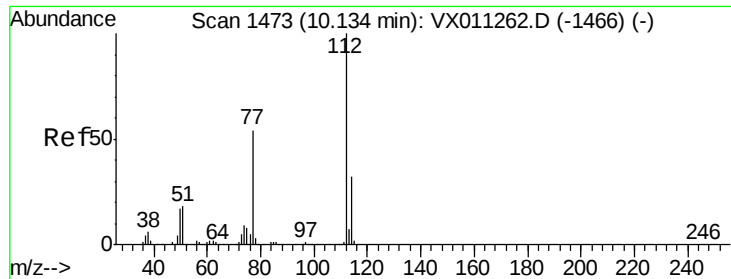
MMDadoda
8/7/2019 11:25:31 AM



#64
Tetrachloroethene
Concen: 18.149 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33522		
166	126.2	107.5	161.3	
129	85.2	71.0	106.4	
131	85.5	69.8	104.6	





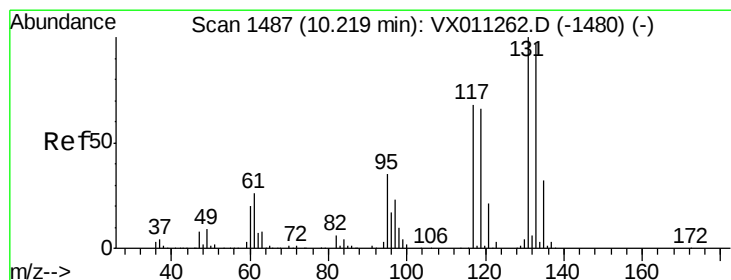
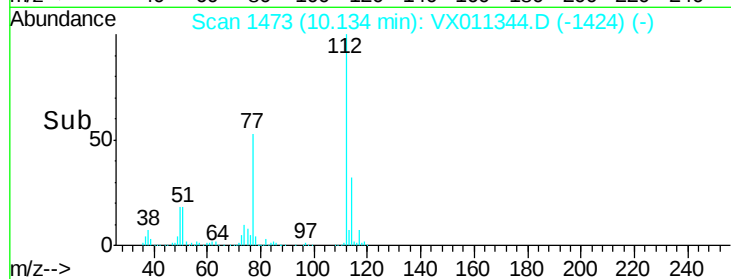
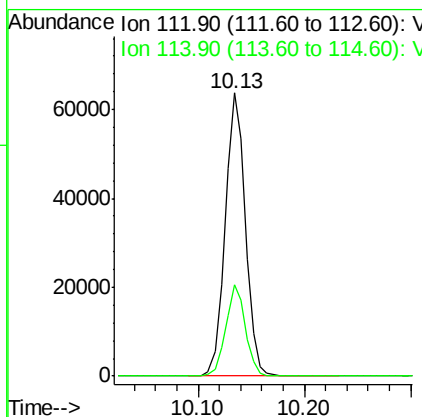
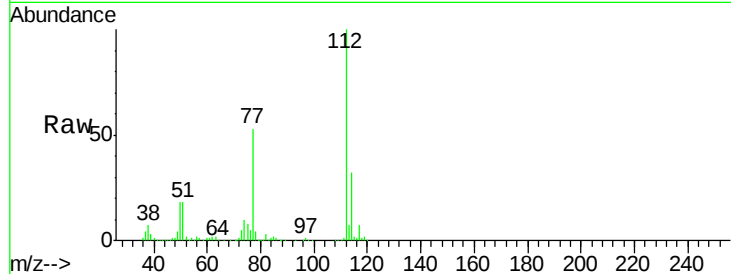
#65
Chlorobenzene
Concen: 18.129 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion:112 Resp: 84539
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9

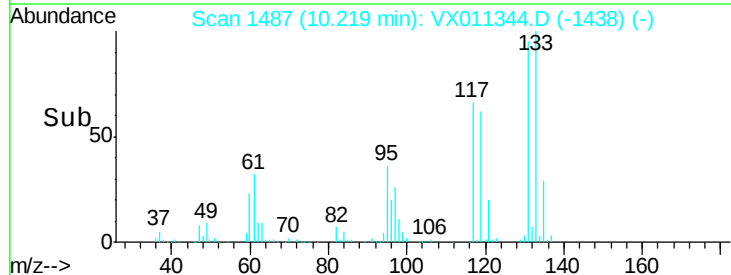
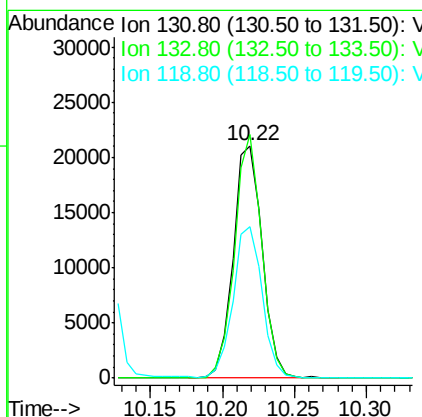
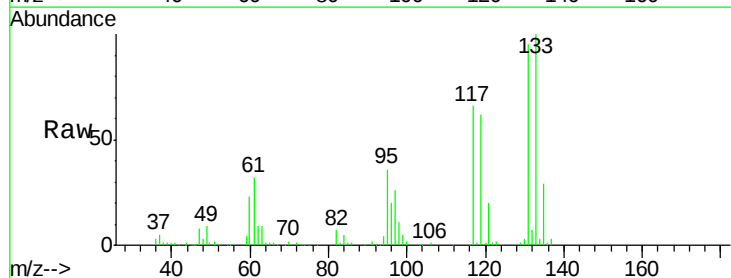
Manual Integrations
APPROVED

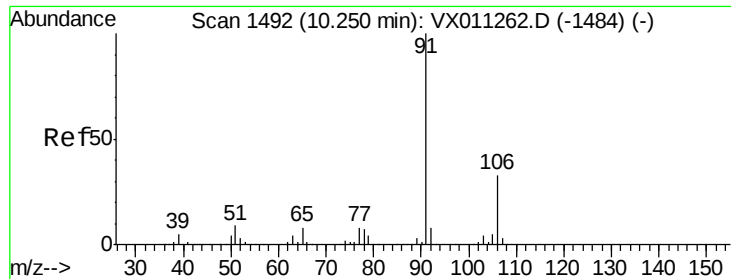
MMDadoda
8/7/2019 11:25:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.582 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion:131 Resp: 29666
Ion Ratio Lower Upper
131 100
133 97.8 47.7 143.1
119 65.4 32.8 98.3





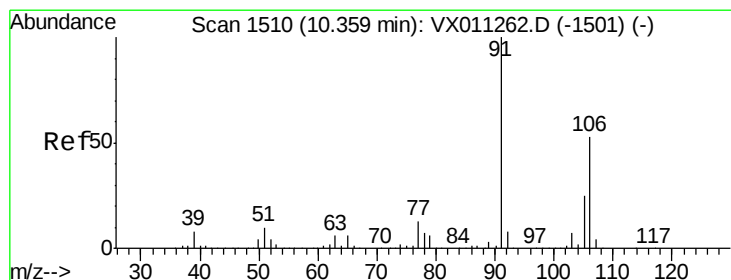
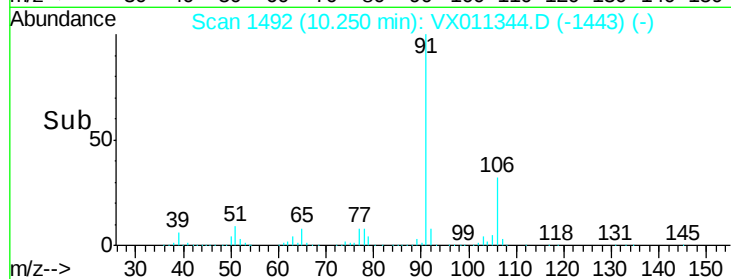
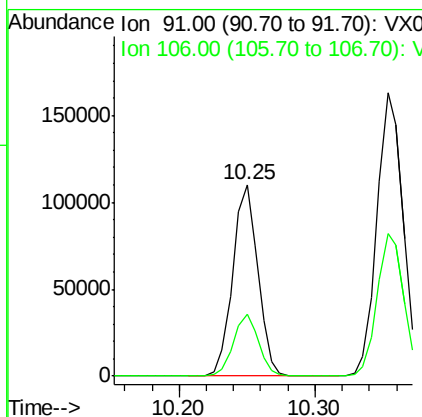
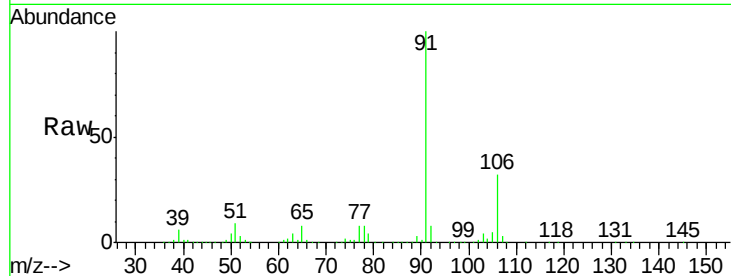
#67
Ethyl Benzene
Concen: 18.221 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VX0806MBS01

Tot Ion: 91 Resp: 142305
Ion Ratio Lower Upper
91 100
106 32.2 26.2 39.4

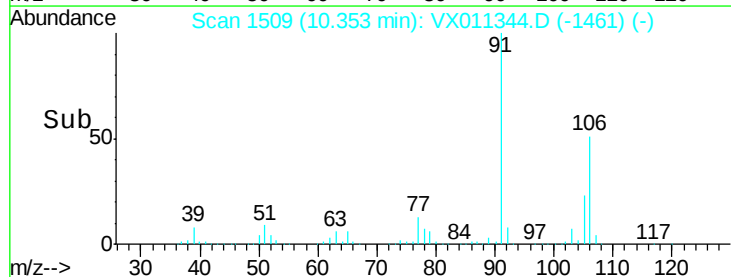
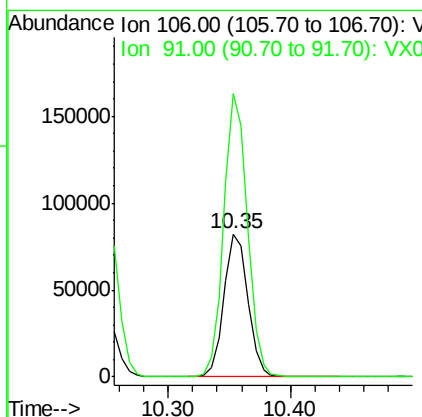
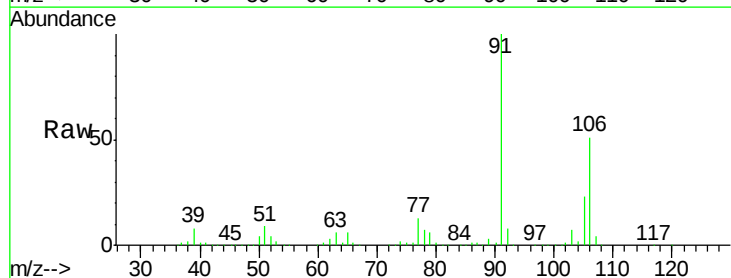
Manual Integrations
APPROVED

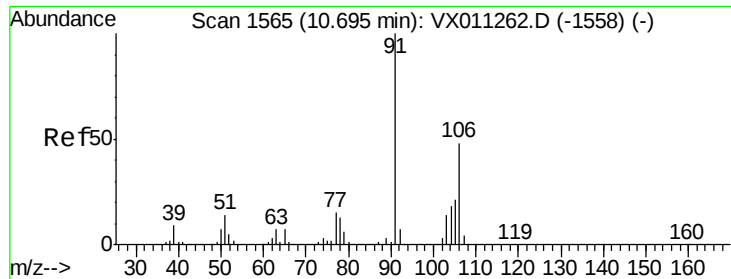
MMDadoda
8/7/2019 11:25:31 AM



#68
m/p-Xylenes
Concen: 36.822 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion: 106 Resp: 111234
Ion Ratio Lower Upper
106 100
91 195.6 155.9 233.9





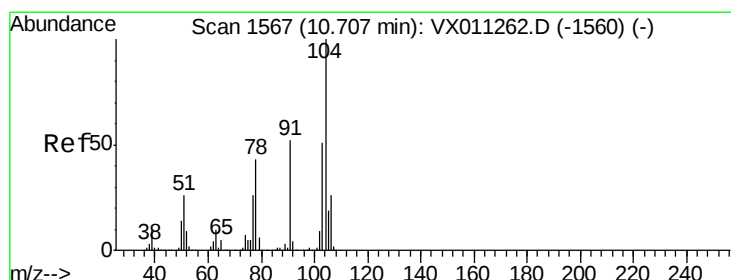
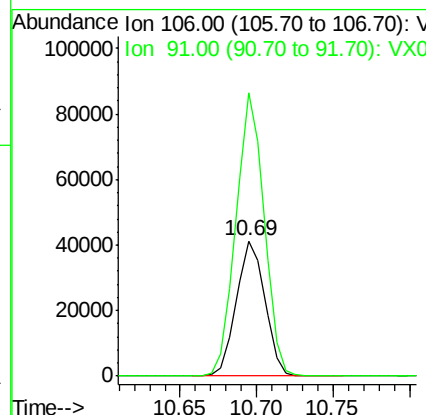
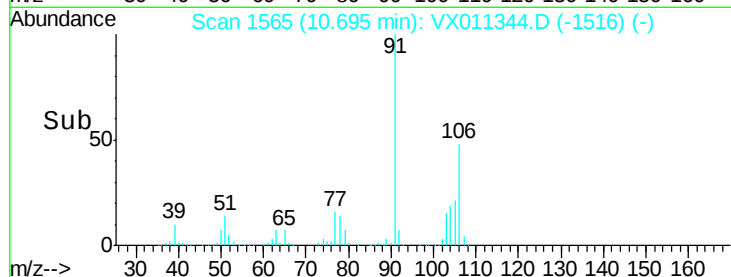
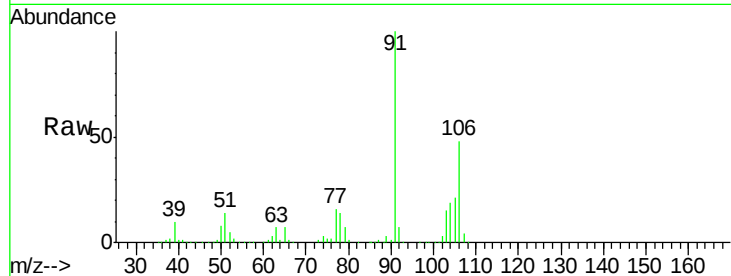
#69
o-Xylene
Concen: 18.070 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VX0806MBS01

Tot Ion:106 Resp: 53634
Ion Ratio Lower Upper
106 100
91 206.4 103.8 311.3

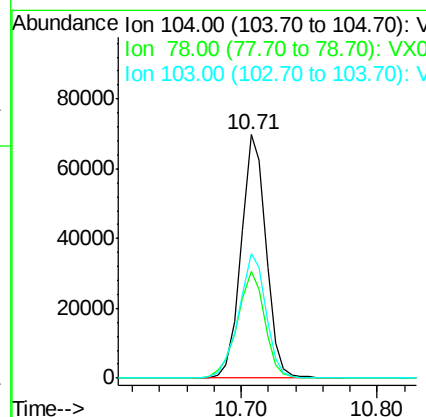
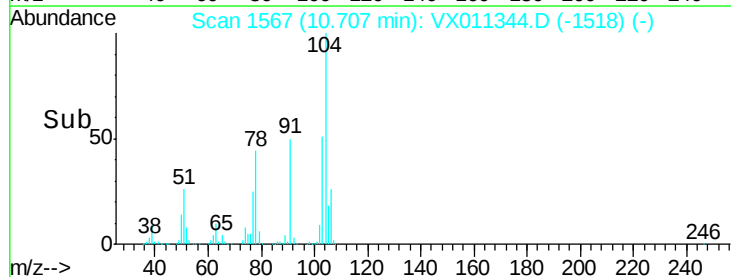
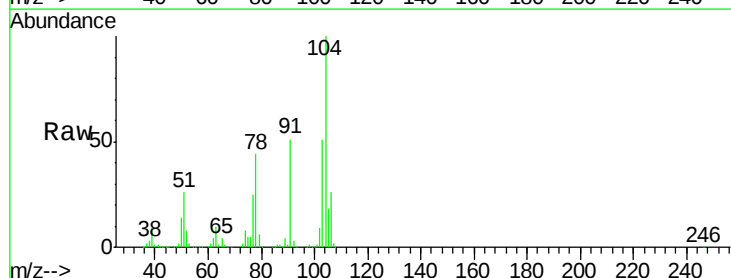
Manual Integrations
APPROVED

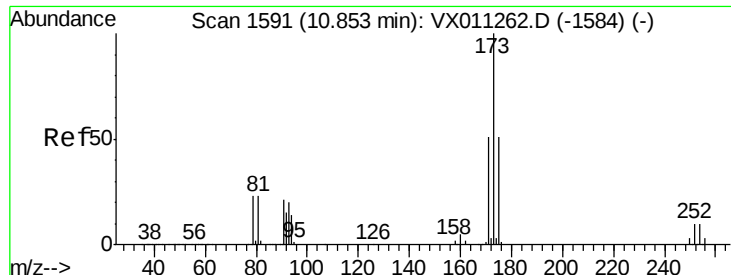
MMDadoda
8/7/2019 11:25:31 AM



#70
Styrene
Concen: 18.017 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion:104 Resp: 88482
Ion Ratio Lower Upper
104 100
78 48.5 36.9 55.3
103 56.7 44.4 66.6





#71

Bromoform

Concen: 17.658 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion:173 Resp: 22430

Ion Ratio Lower Upper

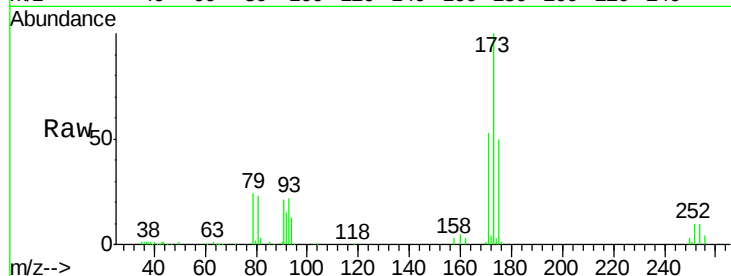
173 100

175 48.3 24.4 73.4

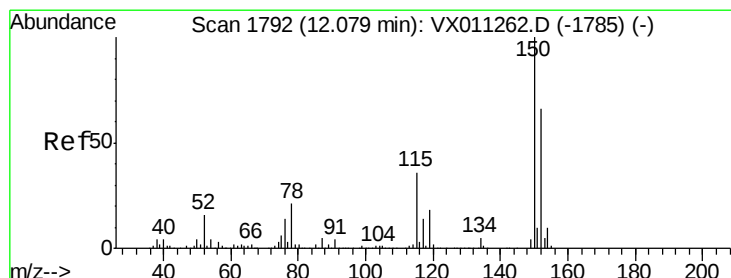
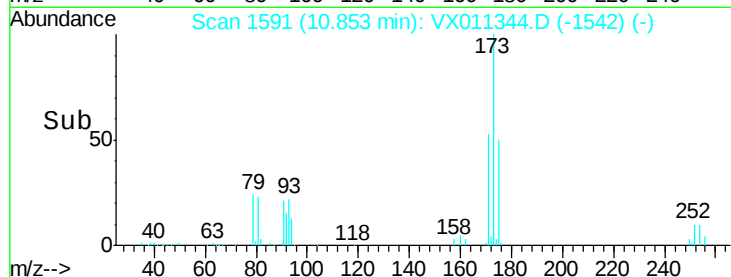
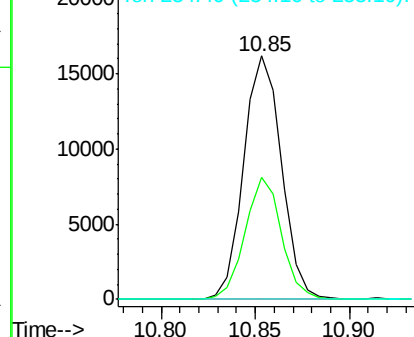
254 0.0 0.2 0.2#

Manual Integrations
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8/7/2019 11:25:31 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

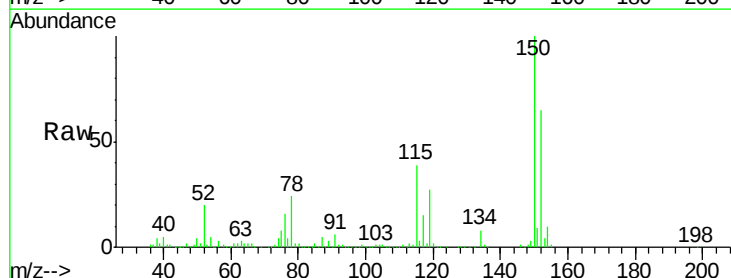
Tgt Ion:152 Resp: 116803

Ion Ratio Lower Upper

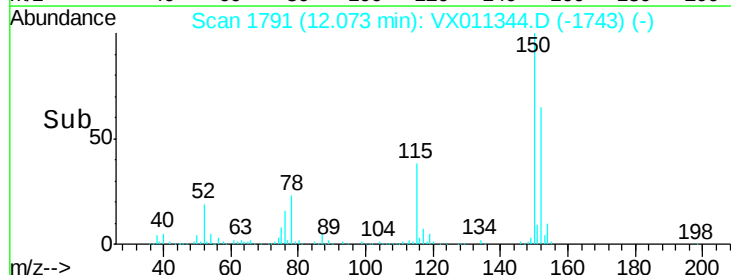
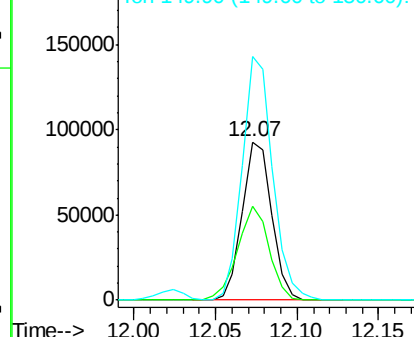
152 100

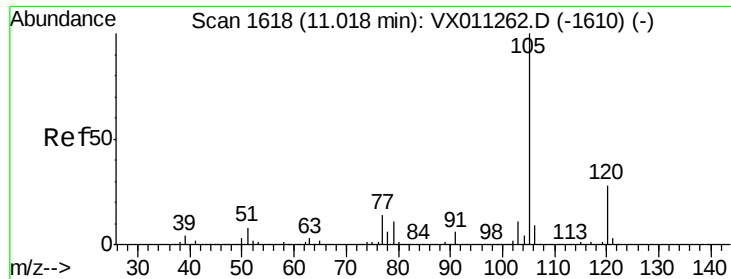
115 63.8 40.0 119.9

150 159.6 0.0 350.4



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





#73

Isopropylbenzene

Concen: 18.106 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0806MBS01

Tot Ion: 105 Resp: 144642

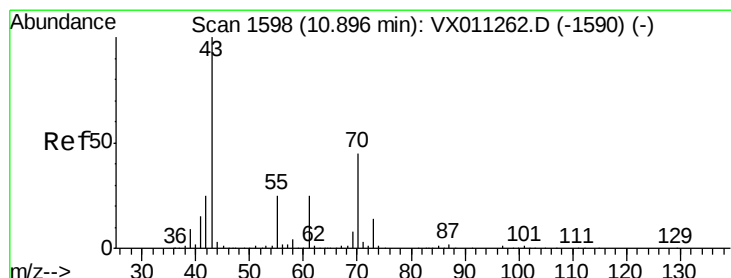
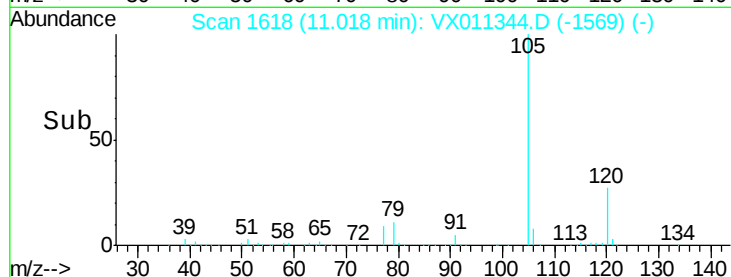
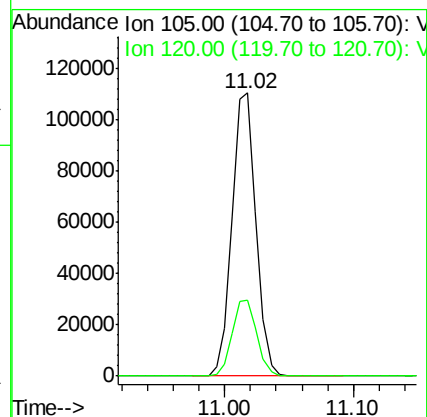
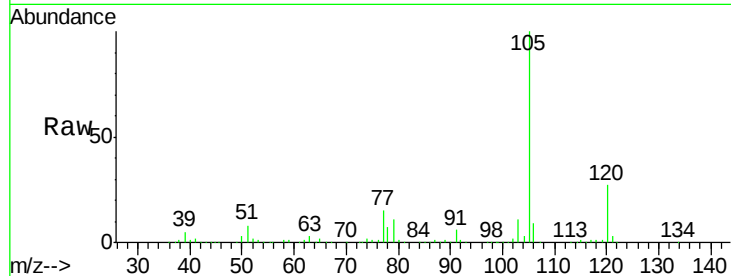
Ion Ratio Lower Upper

105 100

120 27.6 13.7 41.1

Manual Integrations
APPROVED

MMDadoda
8/7/2019 11:25:31 AM



#74

N-ethyl acetate

Concen: 18.435 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion: 43 Resp: 53212

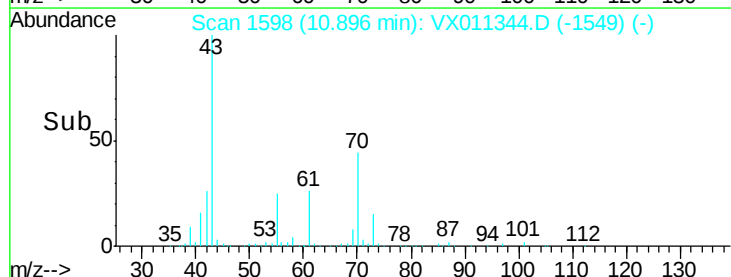
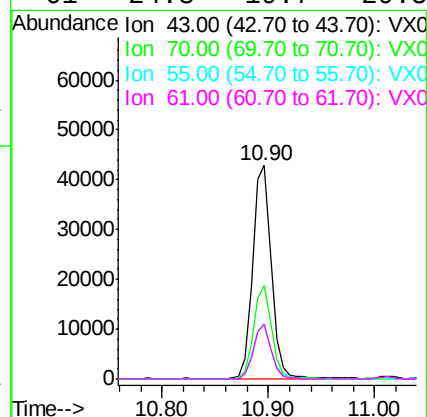
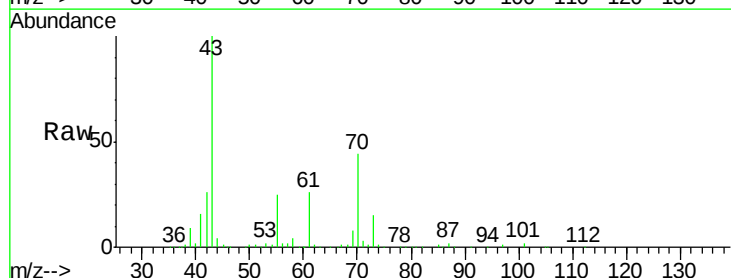
Ion Ratio Lower Upper

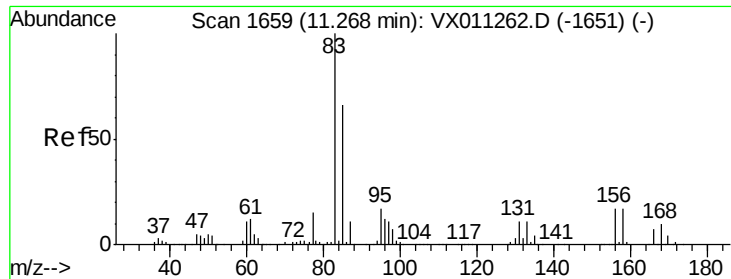
43 100

70 42.5 35.9 53.9

55 25.5 19.8 29.6

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.005 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion: 83 Resp: 47932

Ion Ratio Lower Upper

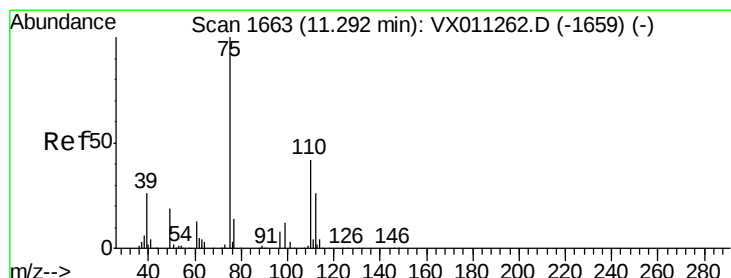
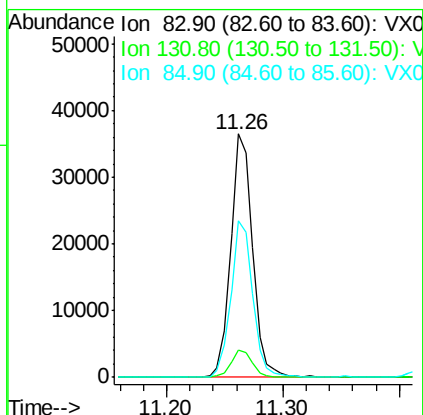
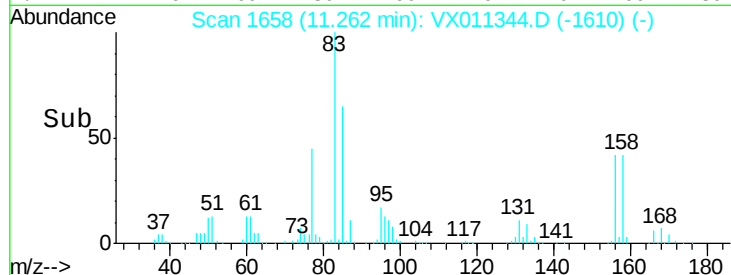
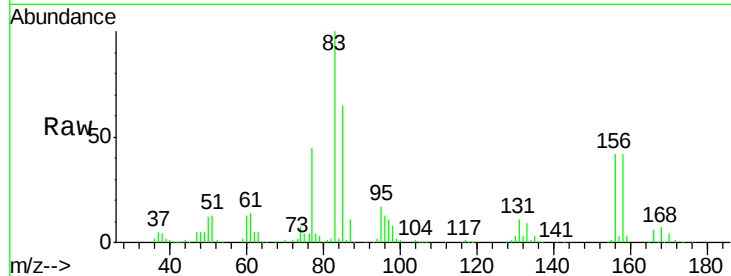
83 100

131 11.0 5.6 16.8

85 64.6 32.1 96.5

Manual Integrations
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8/7/2019 11:25:31 AM



#76

1,2,3-Trichloropropane

Concen: 18.674 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011344.D

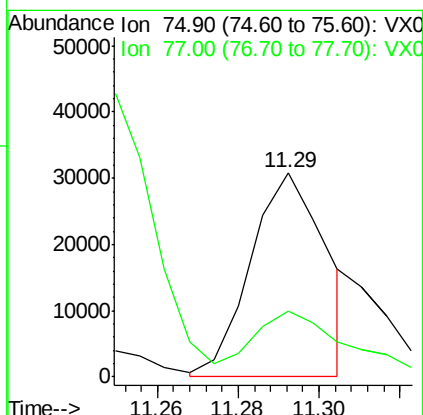
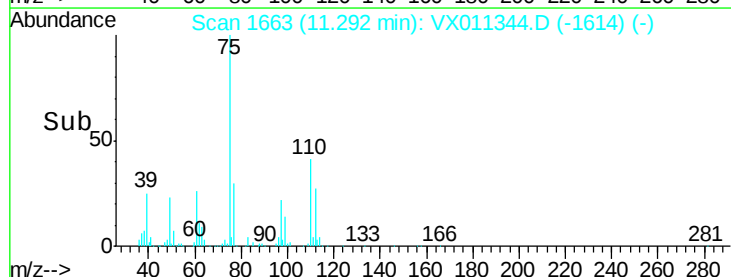
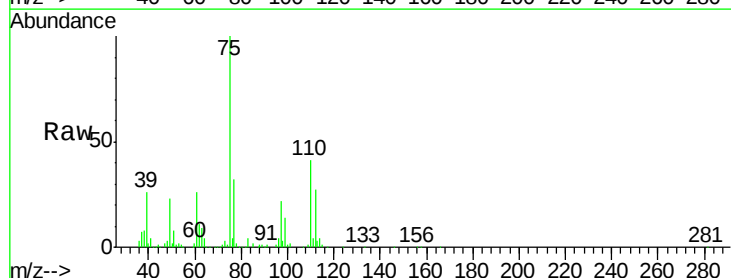
Acq: 06 Aug 2019 11:30

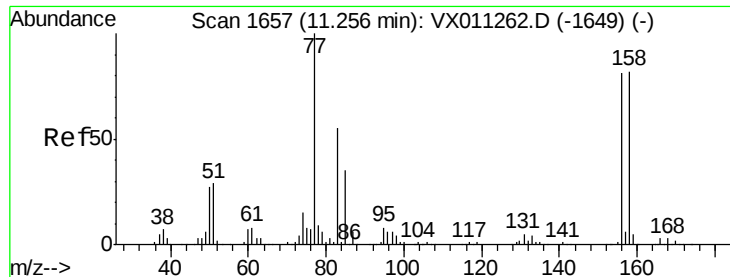
Tgt Ion: 75 Resp: 39721

Ion Ratio Lower Upper

75 100

77 40.3 21.1 63.4





#77

Bromobenzene

Concen: 17.814 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

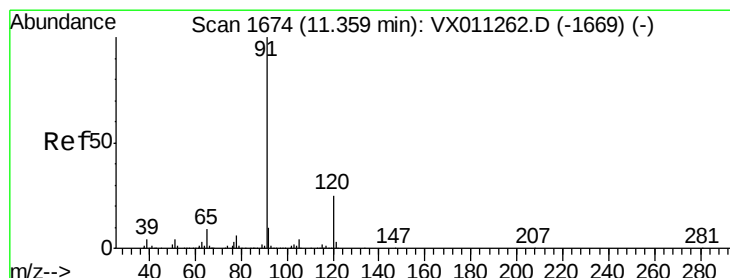
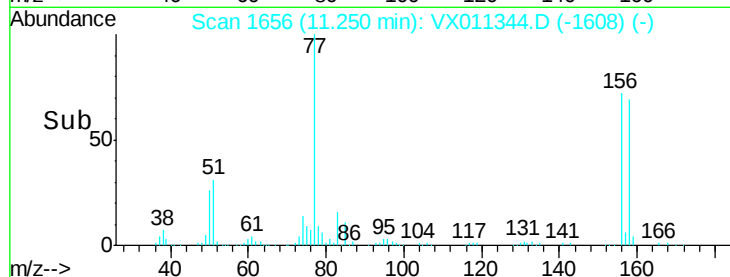
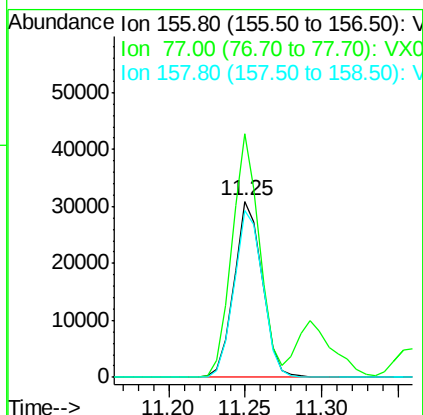
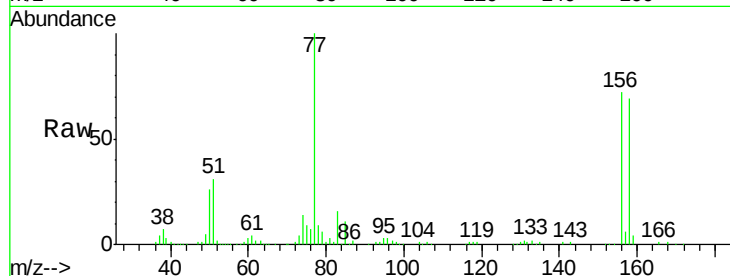
ClientSampleId :

VX0806MBS01

Tot Ion:	156	Resp:	39461
Ion	Ratio	Lower	Upper
156	100		
77	134.8	66.2	198.6
158	96.4	49.1	147.3

Manual Integrations
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8/7/2019 11:25:31 AM



#78

n-propylbenzene

Concen: 18.250 ug/l

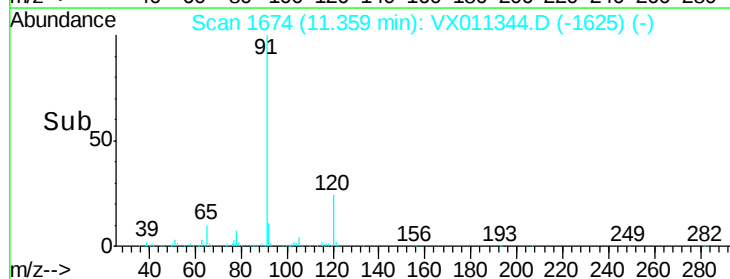
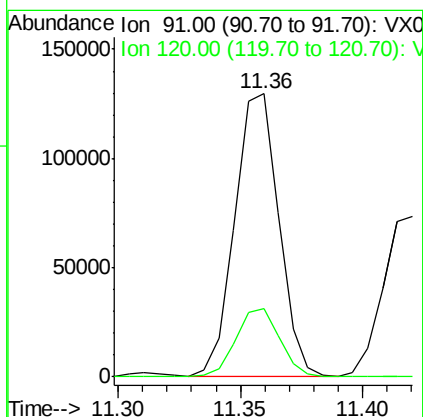
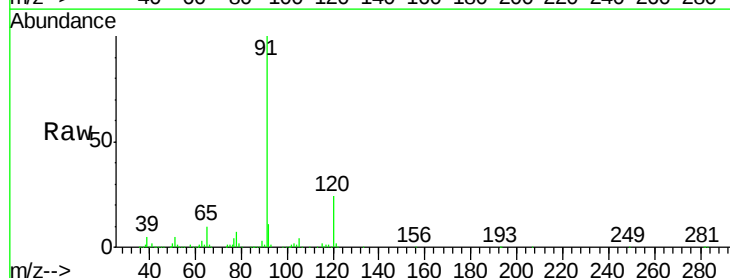
RT: 11.36 min Scan# 1674

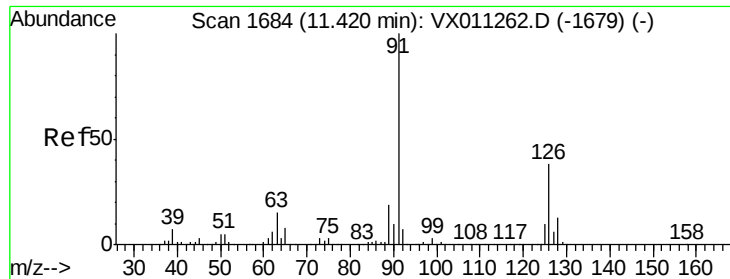
Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion:	91	Resp:	162131
Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.4	37.0





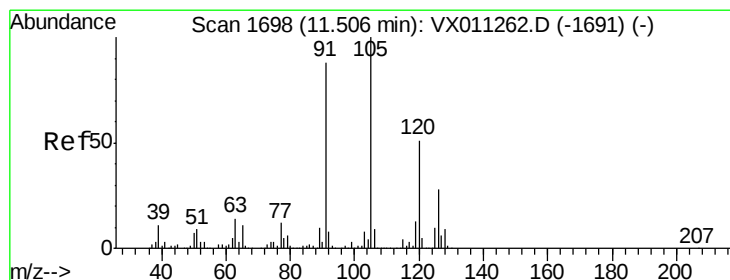
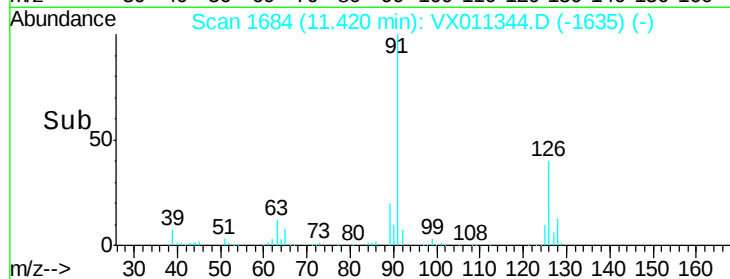
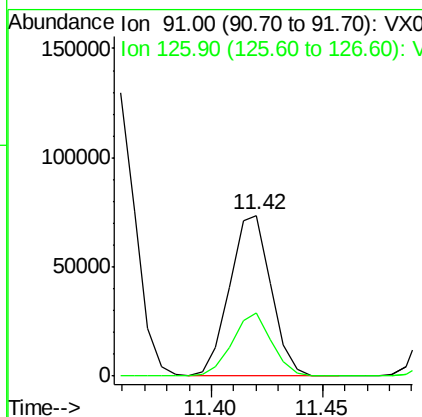
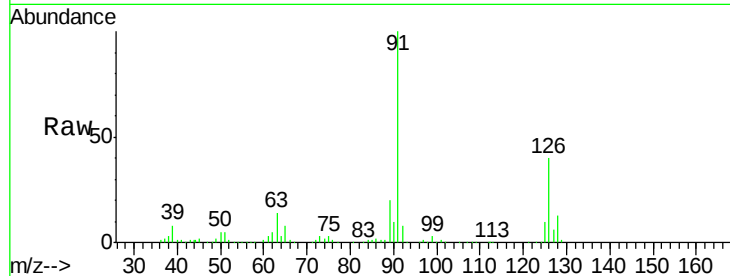
#79
2-Chlorotoluene
Concen: 17.840 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VX0806MBS01

Tot Ion: 91 Resp: 94462
Ion Ratio Lower Upper
91 100
126 38.1 18.5 55.5

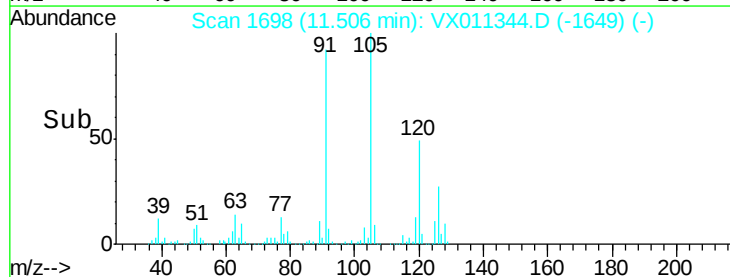
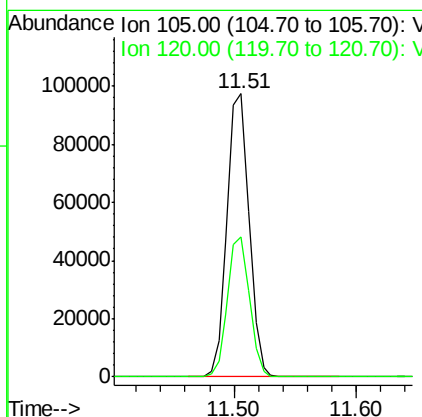
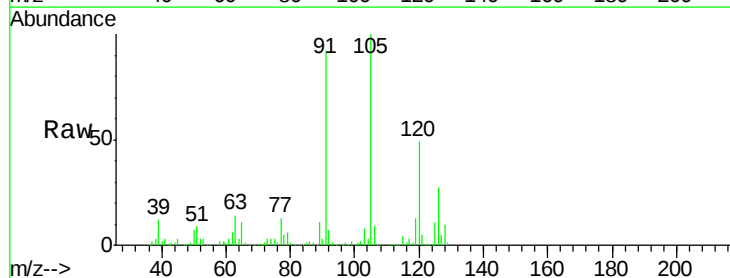
Manual Integrations
APPROVED

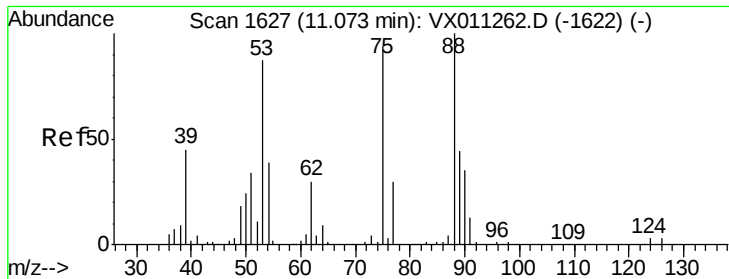
MMDadoda
8/7/2019 11:25:31 AM



#80
1,3,5-Trimethylbenzene
Concen: 18.174 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion: 105 Resp: 121532
Ion Ratio Lower Upper
105 100
120 49.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.489 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampleId :

VX0806MBS01

Tot Ion: 75 Resp: 12229

Ion Ratio Lower Upper

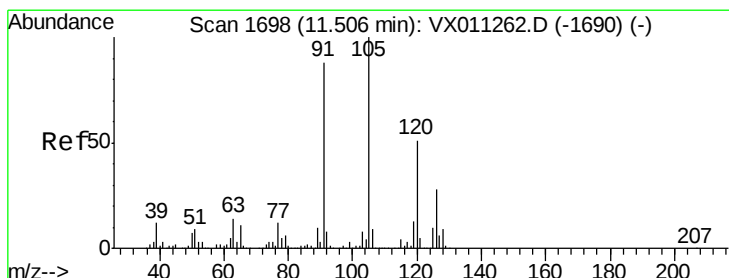
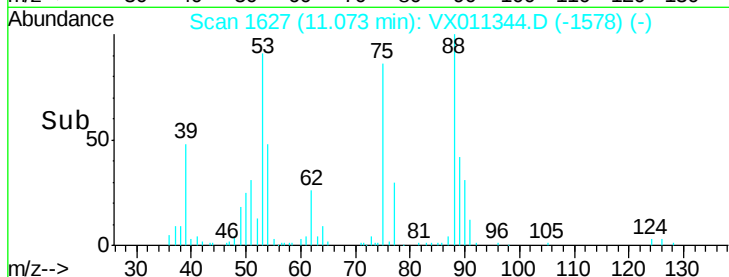
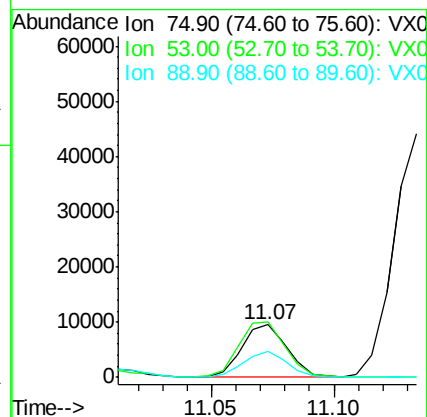
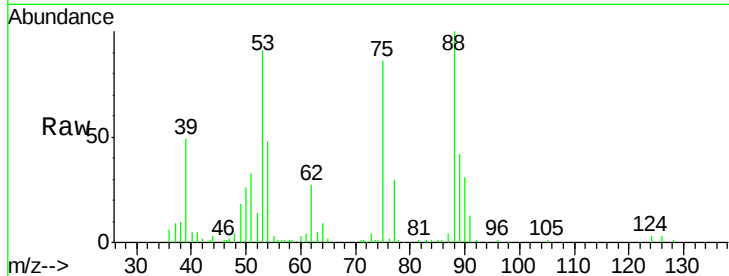
75 100

53 109.1 78.2 117.4

89 48.2 37.9 56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.369 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011344.D

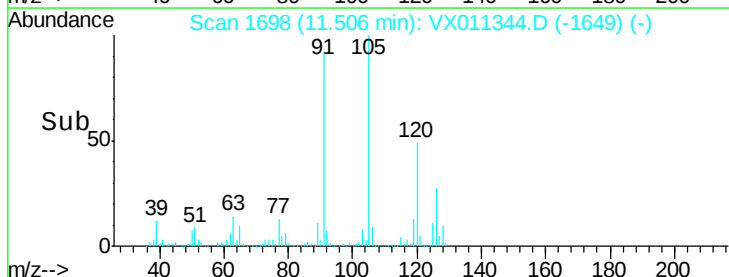
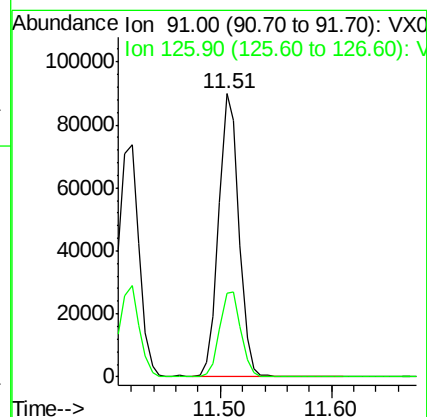
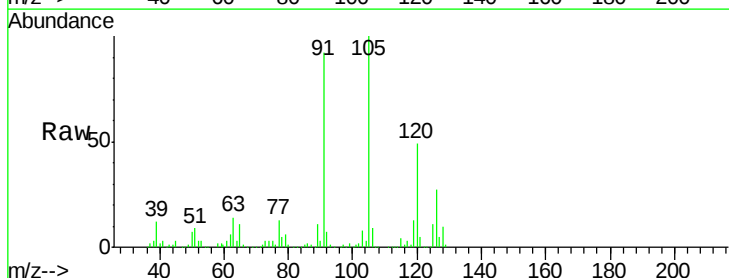
Acq: 06 Aug 2019 11:30

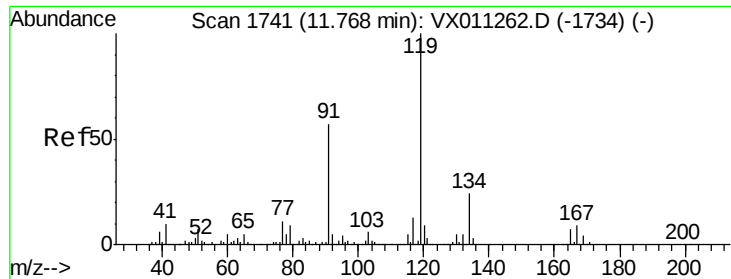
Tgt Ion: 91 Resp: 113350

Ion Ratio Lower Upper

91 100

126 31.5 16.4 49.2





#83

tert-Butylbenzene

Concen: 18.150 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

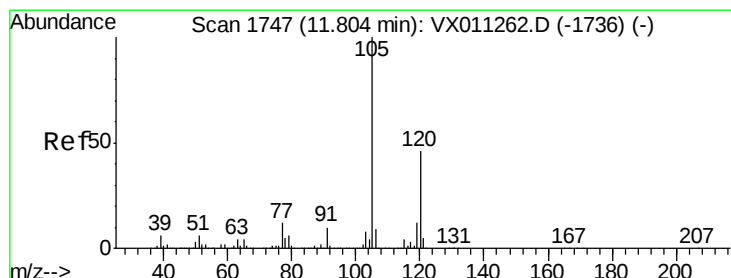
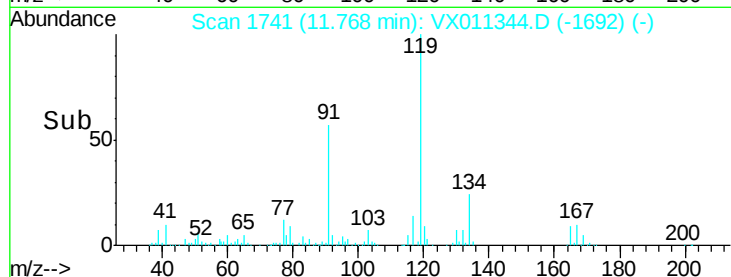
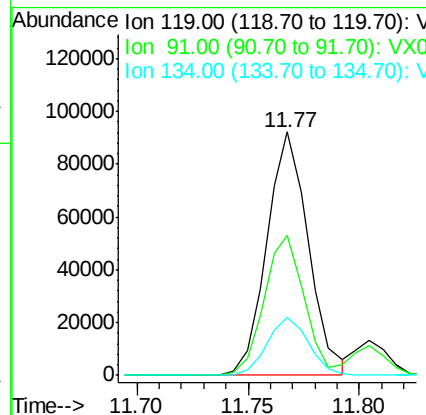
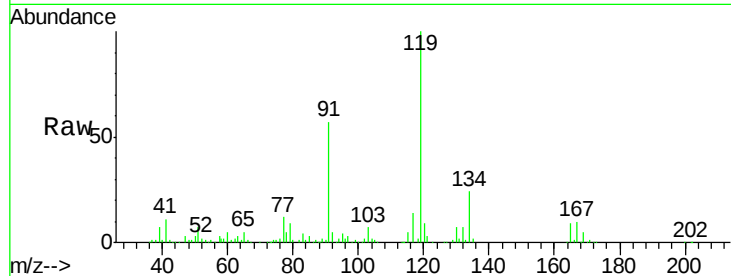
ClientSampled :

VX0806MBS01

Tot Ion:	119	Resp:	119043
Ion Ratio	Lower	Upper	
119	100		
91	55.1	28.0	84.0
134	23.8	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.306 ug/l

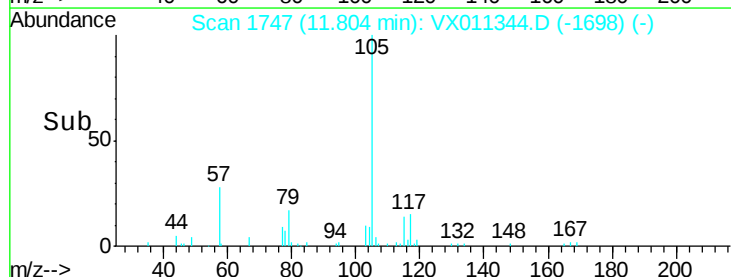
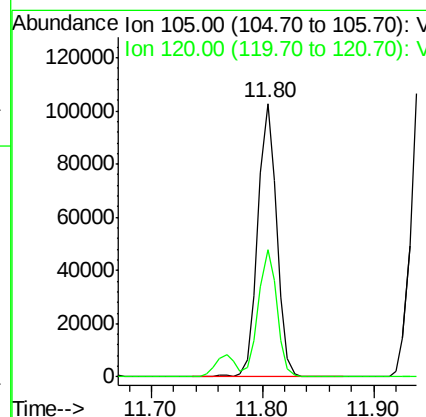
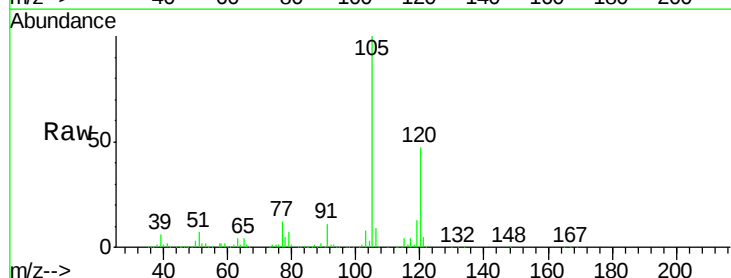
RT: 11.80 min Scan# 1747

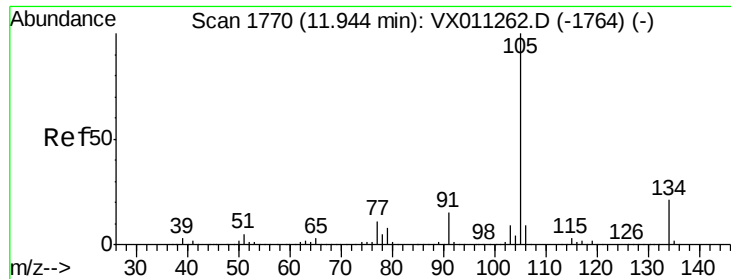
Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion:	105	Resp:	121881
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 18.146 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

ClientSampled :

VX0806MBS01

Tot Ion:105 Resp: 142989

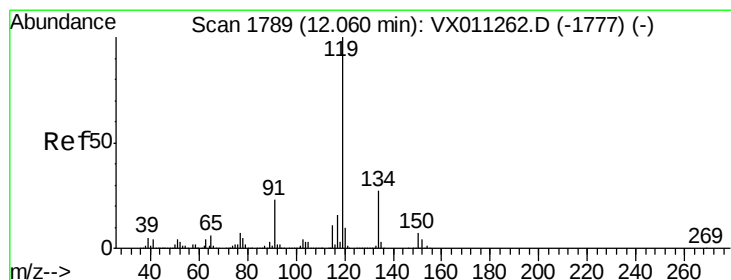
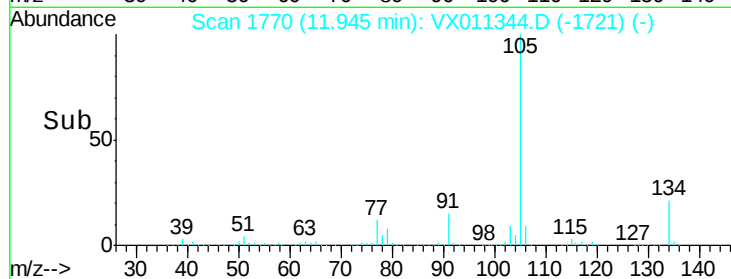
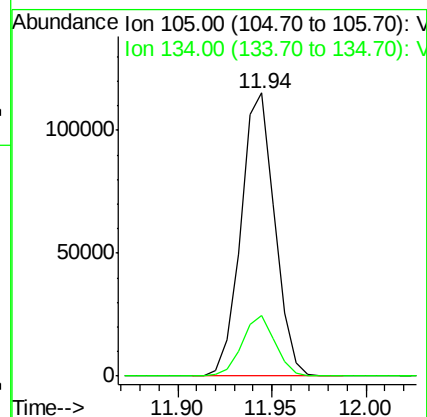
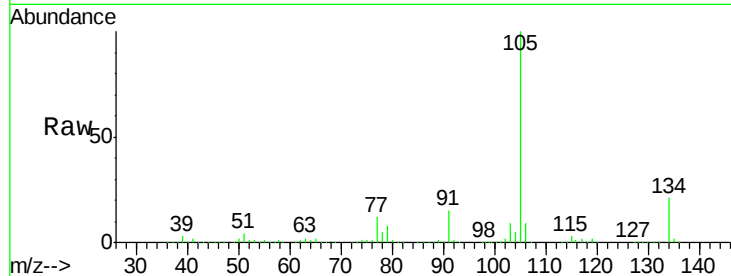
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 18.268 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

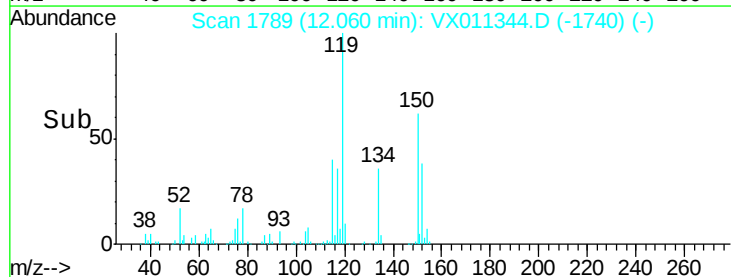
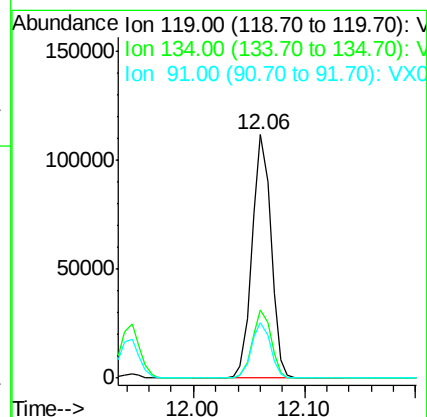
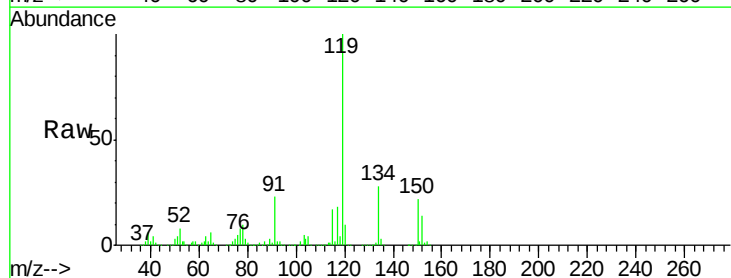
Tgt Ion:119 Resp: 132430

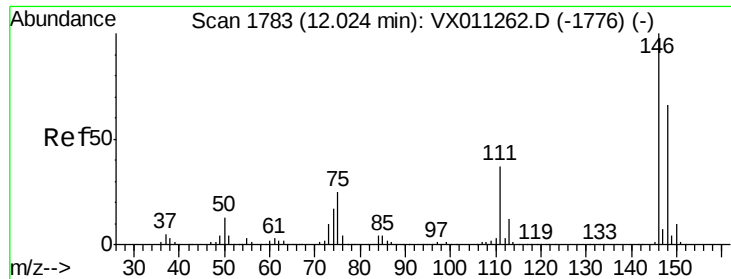
Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 23.3 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 18.107 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Instrument :

MSVOA_X

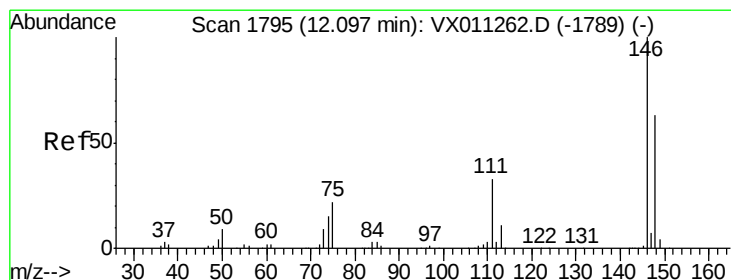
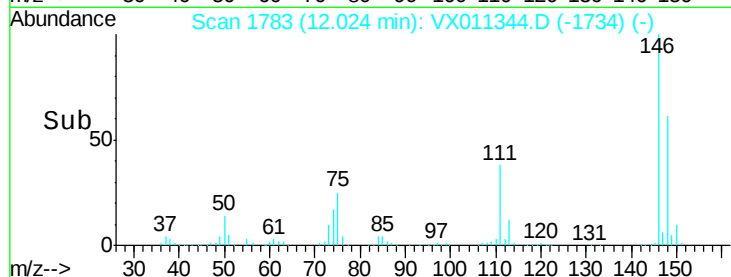
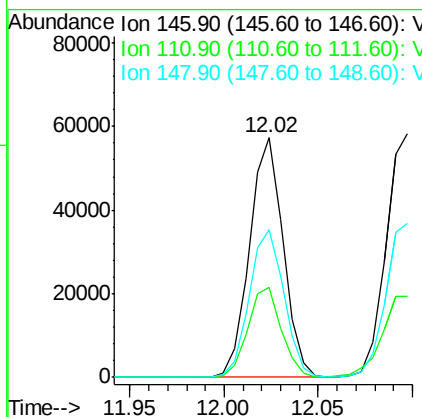
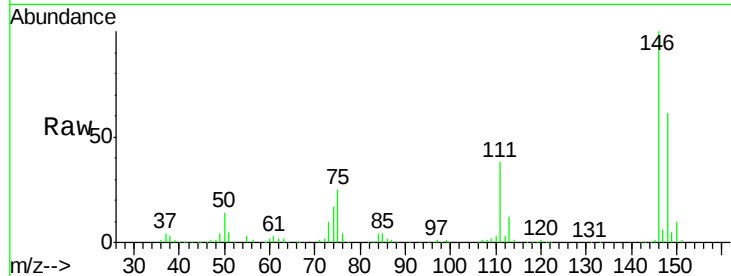
ClientSampled :

VX0806MBS01

Tot Ion:	146	Resp:	70870
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	55.8
148	63.5	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.789 ug/l

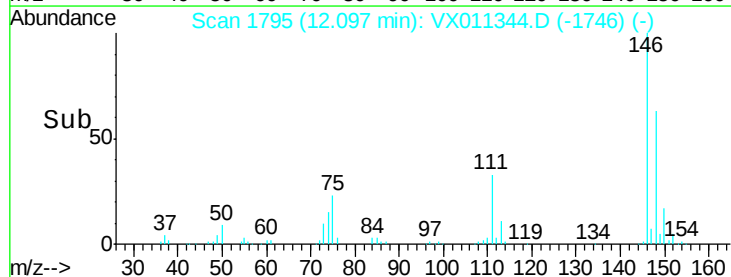
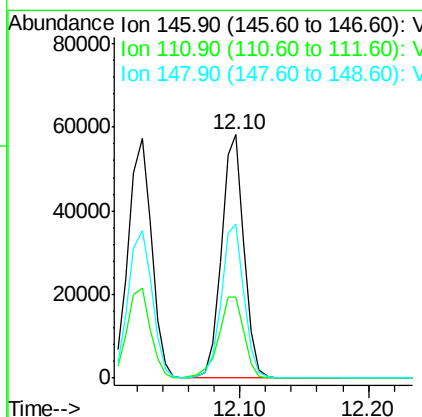
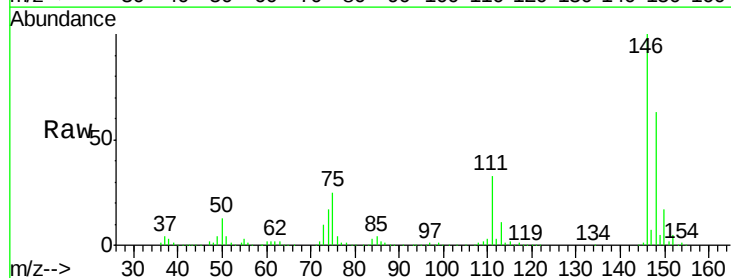
RT: 12.10 min Scan# 1795

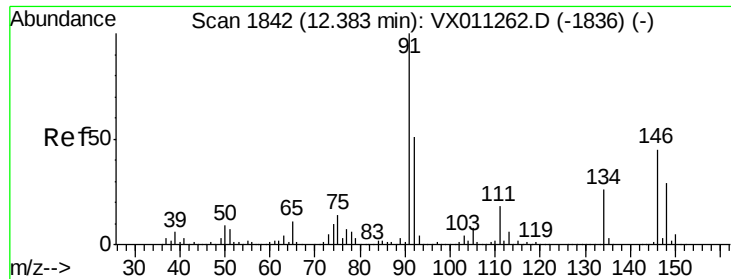
Delta R.T. 0.00 min

Lab File: VX011344.D

Acq: 06 Aug 2019 11:30

Tgt Ion:	146	Resp:	71797
Ion Ratio	Lower	Upper	
146	100		
111	37.8	17.8	53.4
148	63.9	31.8	95.3





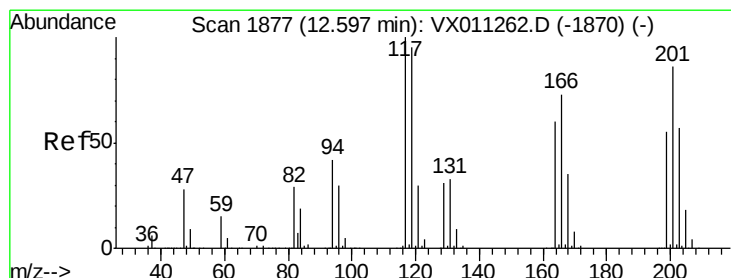
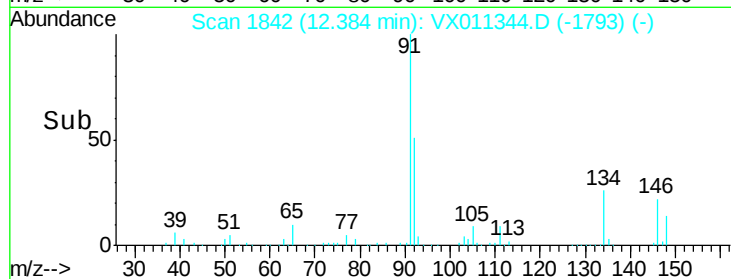
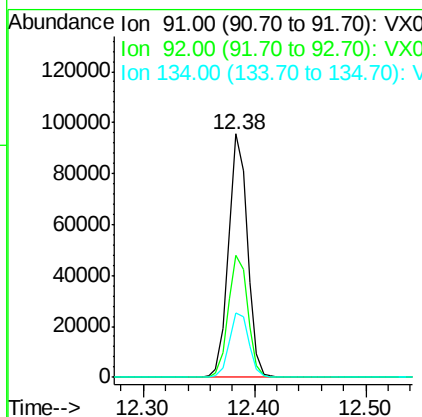
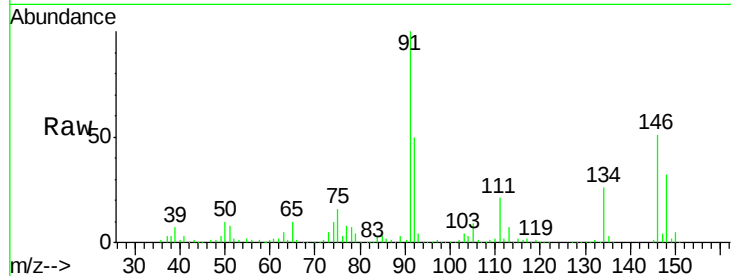
#89
n-Butylbenzene
Concen: 17.949 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampleId :
VX0806MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.3
134	27.5	13.7	41.0

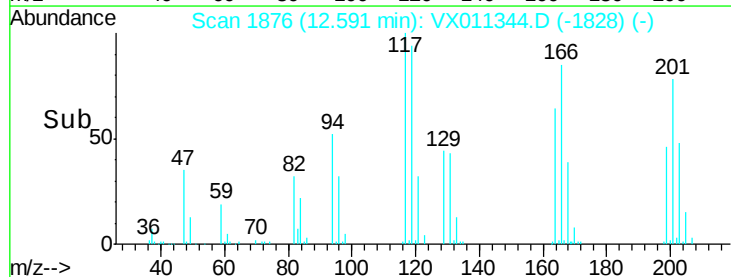
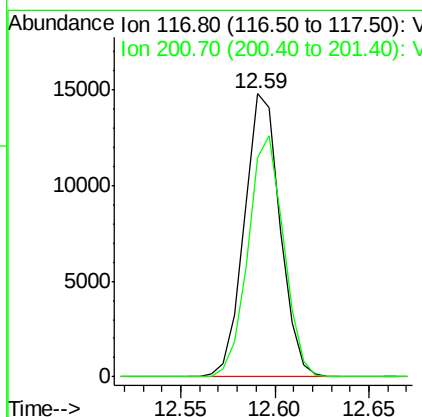
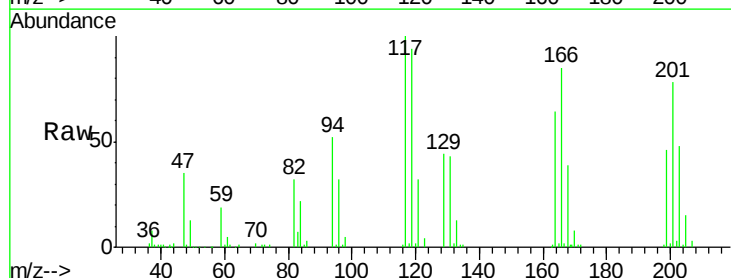
Manual Integrations
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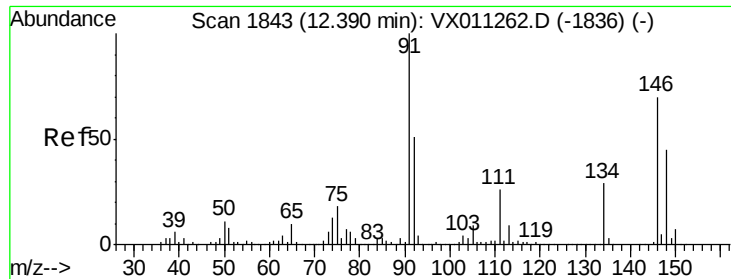
MMDadoda
8/7/2019 11:25:31 AM



#90
Hexachloroethane
Concen: 18.144 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	41.8	125.4





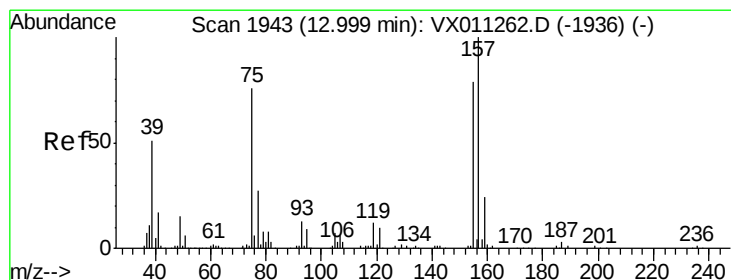
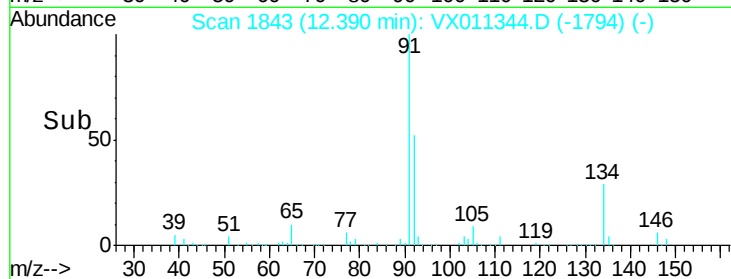
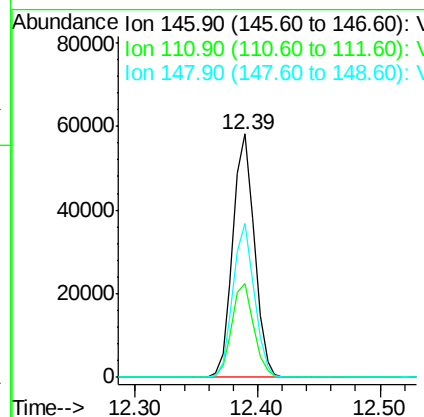
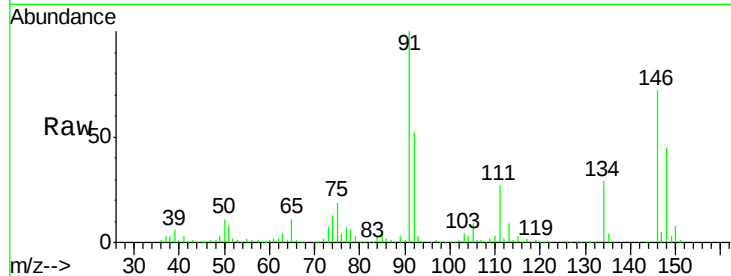
#91
 1,2-Dichlorobenzene
 Concen: 18.043 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.1
148	62.7	32.3	96.8

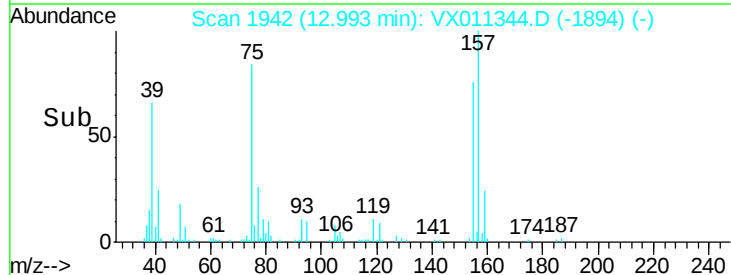
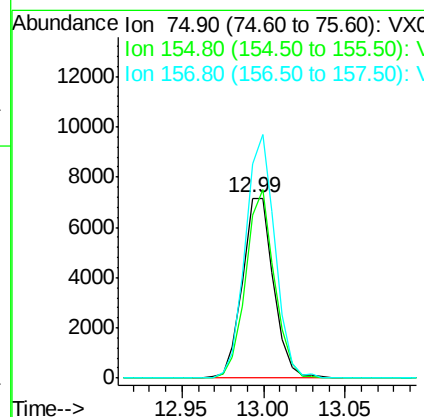
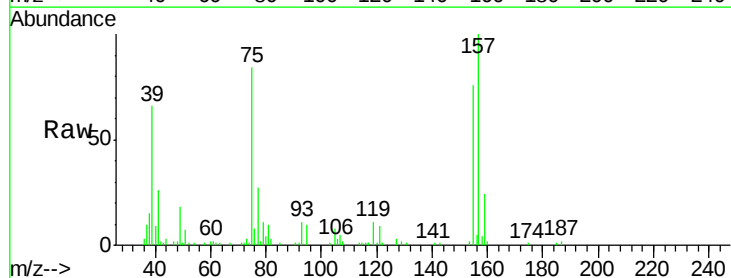
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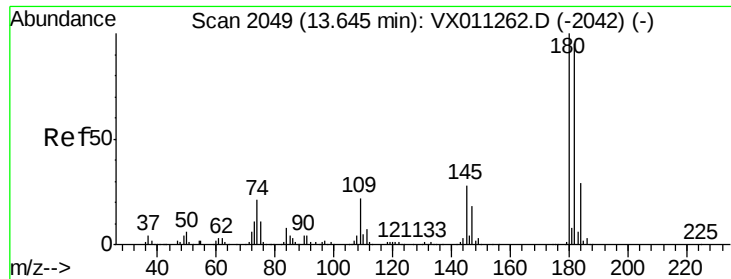
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.431 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	51.9	155.8
157	128.9	64.3	192.7





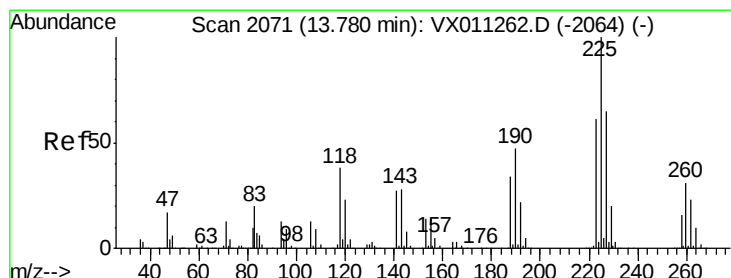
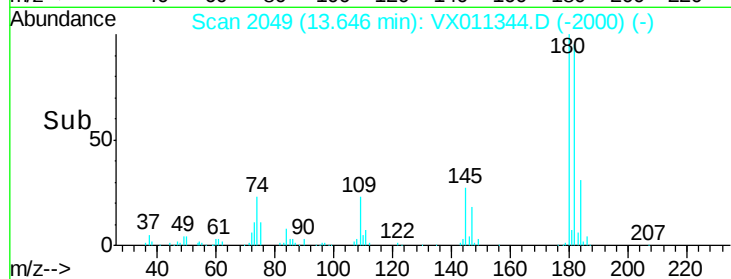
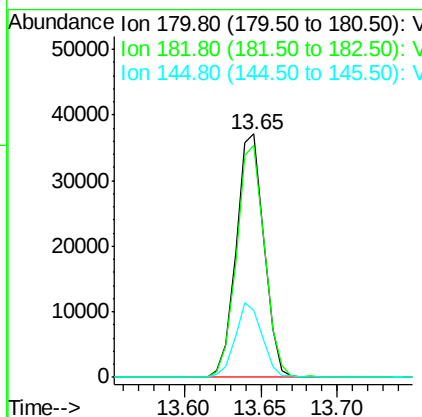
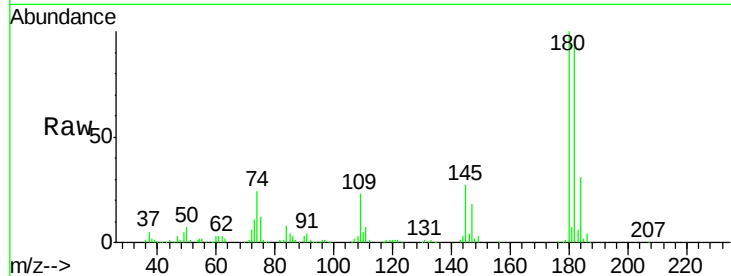
#93
 1,2,4-Trichlorobenzene
 Concen: 17.880 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX0806MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46632		
182	96.3		47.8	143.4
145	29.4		14.8	44.3

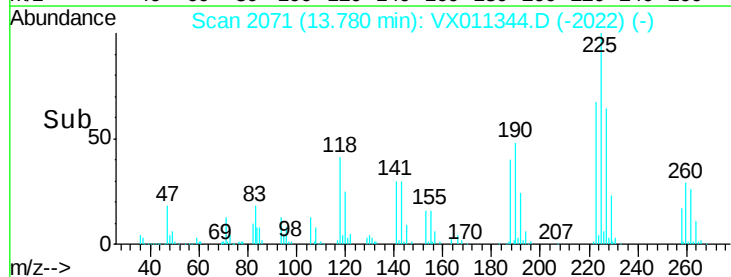
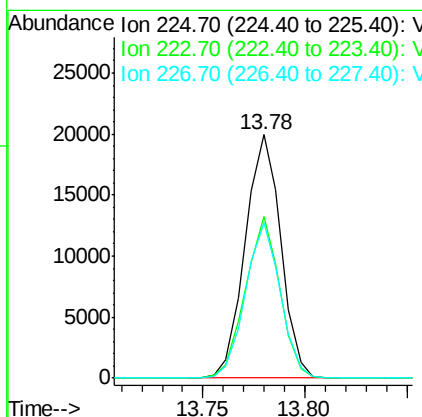
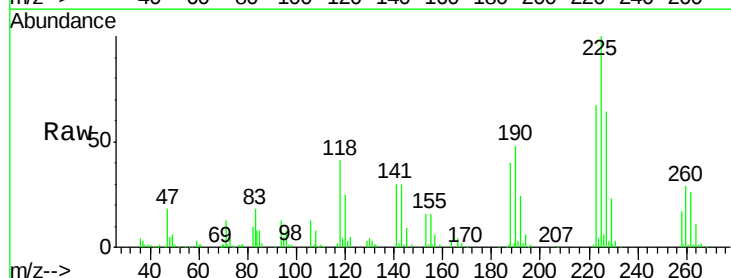
Manual Integrations
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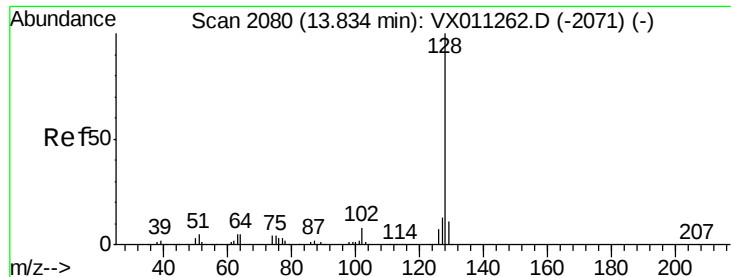
MMDadoda
 8/7/2019 11:25:31 AM



#94
 Hexachlorobutadiene
 Concen: 18.243 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011344.D
 Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24140		
223	64.6		31.0	93.0
227	62.3		32.2	96.6





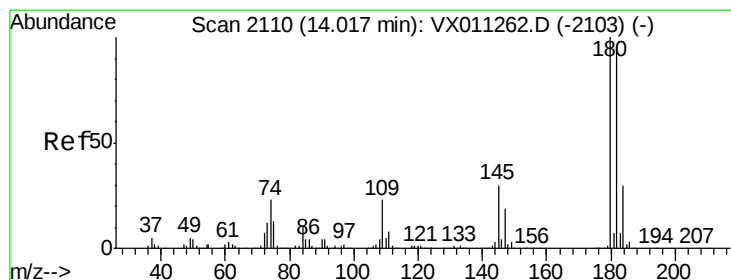
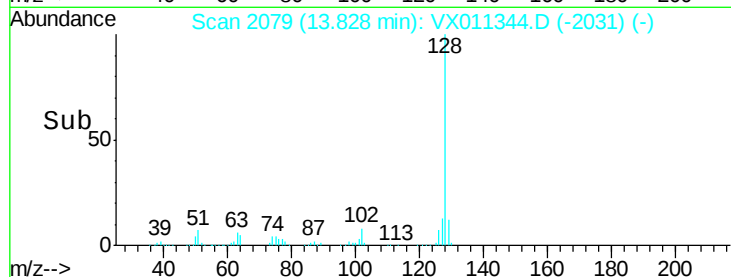
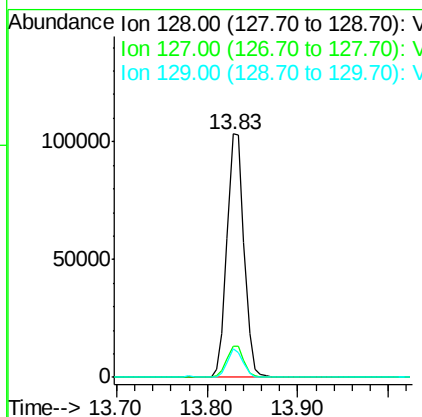
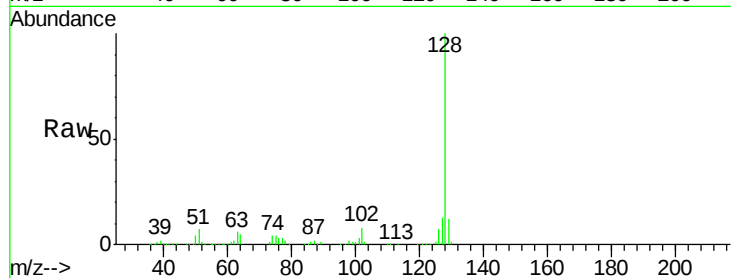
#95
Naphthalene
Concen: 17.773 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Instrument :
MSVOA_X
ClientSampled :
VX0806MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	135555		
127	12.9		10.4	15.6
129	10.8		8.9	13.3

Manual Integrations
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MMDadoda
8/7/2019 11:25:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.340 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011344.D
Acq: 06 Aug 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48629		
182	93.8		47.4	142.3
145	30.2		15.2	45.6

