

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010883.D
 Acq On : 15 Jul 2019 14:41
 Operator : JC/SP
 Sample : VX0715WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 10:44:18 AM

Quant Time: Jul 16 03:22:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	363478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110723	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	5.49	113	102176	42.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.02%	
50) Toluene-d8	8.71	98	372110	39.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.98%	
62) 4-Bromofluorobenzene	11.13	95	141043	41.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	33954	18.225	ug/l	100
3) Chloromethane	1.33	50	35571	16.396	ug/l	99
4) Vinyl Chloride	1.41	62	38951	16.392	ug/l	98
5) Bromomethane	1.64	94	21152	18.272	ug/l	99
6) Chloroethane	1.72	64	36411	25.972	ug/l	95
7) Trichlorofluoromethane	1.93	101	69583	18.473	ug/l	96
8) Diethyl Ether	2.19	74	23656	17.512	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40072	17.555	ug/l	98
10) Methyl Iodide	2.51	142	45108	13.846	ug/l	96
11) Tert butyl alcohol	3.04	59	49030	74.575	ug/l	97
12) 1,1-Dichloroethene	2.37	96	39176	16.866	ug/l	98
13) Acrolein	2.29	56	41635	95.462	ug/l	99
14) Allyl chloride	2.73	41	56955	17.271	ug/l	96
15) Acrylonitrile	3.14	53	113885	87.489	ug/l	99
16) Acetone	2.44	43	103128	81.898	ug/l	94
17) Carbon Disulfide	2.57	76	90998	14.602	ug/l	100
18) Methyl Acetate	2.78	43	45873	18.278	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	130758	17.894	ug/l	100
20) Methylene Chloride	2.85	84	44470	17.160	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	41502	16.613	ug/l	96
22) Diisopropyl ether	3.85	45	124910	18.117	ug/l	97
23) Vinyl Acetate	3.81	43	538506	90.409	ug/l	98
24) 1,1-Dichloroethane	3.70	63	69719	17.494	ug/l	98
25) 2-Butanone	4.67	43	159410	86.301	ug/l	99
26) 2,2-Dichloropropane	4.58	77	57193	16.520	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	49208	17.045	ug/l	97
28) Bromochloromethane	5.01	49	32673	17.147	ug/l	94
29) Tetrahydrofuran	5.13	42	98876	86.420	ug/l	99
30) Chloroform	5.21	83	76980	17.952	ug/l	99
31) Cyclohexane	5.58	56	61415	16.922	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	64702	17.088	ug/l	97
36) 1,1-Dichloropropene	5.81	75	53397	16.904	ug/l	99
37) Ethyl Acetate	4.84	43	58256	17.927	ug/l	98
38) Carbon Tetrachloride	5.79	117	56274	16.452	ug/l	97

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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	67543	16.267	ug/l	98
40) Benzene	6.14	78	169505	17.224	ug/l	99
41) Methacrylonitrile	5.04	41	32380	18.160	ug/l	96
42) 1,2-Dichloroethane	6.19	62	57917	19.334	ug/l	98
43) Isopropyl Acetate	6.45	43	93408	17.374	ug/l	98
44) Trichloroethene	7.21	130	49608	16.847	ug/l	95
45) 1,2-Dichloropropane	7.51	63	43737	17.599	ug/l	98
46) Dibromomethane	7.66	93	31834	17.854	ug/l	93
47) Bromodichloromethane	7.90	83	55677	17.039	ug/l	98
48) Methyl methacrylate	7.77	41	44625	17.857	ug/l	97
49) 1,4-Dioxane	7.74	88	24755	343.865	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	312273	90.816	ug/l	97
52) Toluene	8.78	92	111580	17.217	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57913	15.808	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	65916	16.557	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	46612	17.440	ug/l	97
56) Ethyl methacrylate	9.18	69	69776	17.233	ug/l	95
57) 1,3-Dichloropropane	9.37	76	73331	17.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	156610	81.444	ug/l	100
59) 2-Hexanone	9.49	43	246901	91.234	ug/l	97
60) Dibromochloromethane	9.58	129	47954	16.024	ug/l	100
61) 1,2-Dibromoethane	9.67	107	50265	17.423	ug/l	99
64) Tetrachloroethene	9.34	164	47109	16.024	ug/l	97
65) Chlorobenzene	10.14	112	125117	16.955	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	44458	16.540	ug/l	99
67) Ethyl Benzene	10.25	91	214082	17.184	ug/l	99
68) m/p-Xylenes	10.36	106	164883	34.158	ug/l	99
69) o-Xylene	10.69	106	80512	16.961	ug/l	98
70) Styrene	10.71	104	137295	17.246	ug/l	99
71) Bromoform	10.85	173	35132	15.030	ug/l #	100
73) Isopropylbenzene	11.02	105	218142	17.413	ug/l	98
74) N-amyl acetate	10.90	43	84986	17.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	72935	17.580	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	59718m	17.733	ug/l	
77) Bromobenzene	11.26	156	58952	16.853	ug/l	98
78) n-propylbenzene	11.36	91	242473	17.611	ug/l	99
79) 2-Chlorotoluene	11.42	91	142889	17.428	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	182182	17.640	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	19671	13.627	ug/l #	84
82) 4-Chlorotoluene	11.51	91	166040	17.798	ug/l	98
83) tert-Butylbenzene	11.77	119	179665	17.333	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	183010	17.638	ug/l	98
85) sec-Butylbenzene	11.94	105	211792	17.402	ug/l	99
86) p-Isopropyltoluene	12.06	119	193160	17.158	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	103991	17.031	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	102496	16.488	ug/l	98
89) n-Butylbenzene	12.38	91	163518	17.094	ug/l	99
90) Hexachloroethane	12.59	117	28566	14.675	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	102518	16.893	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14916	16.675	ug/l	86

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ClientSampleId :
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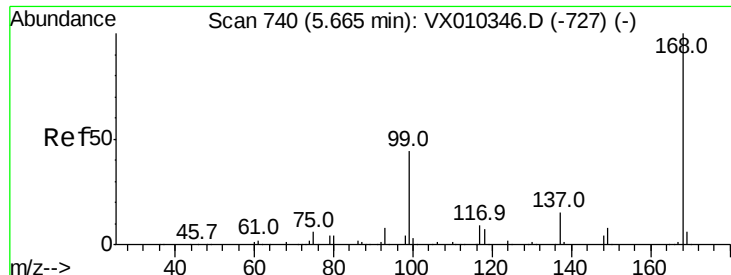
Manual Integrations
APPROVED

MMDadoda
7/16/2019 10:44:18 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	70563	16.767	ug/l	98
94) Hexachlorobutadiene	13.78	225	35252	17.139	ug/l	97
95) Naphthalene	13.83	128	214645	16.597	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	70568	16.865	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion:168 Resp: 267981

Ion Ratio Lower Upper

168 100

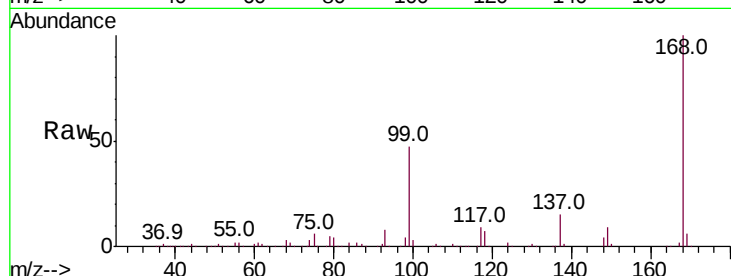
99 47.3 35.5 53.3

Manual Integrations

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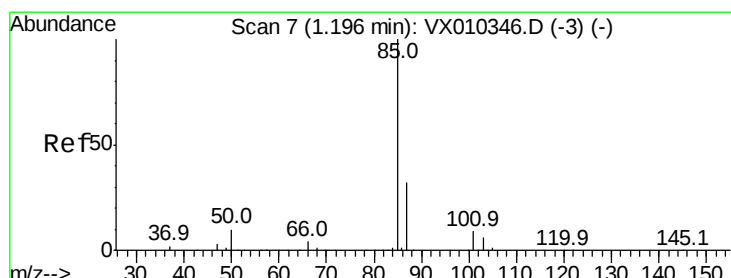
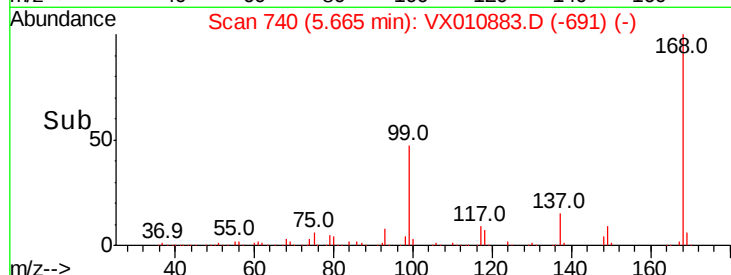
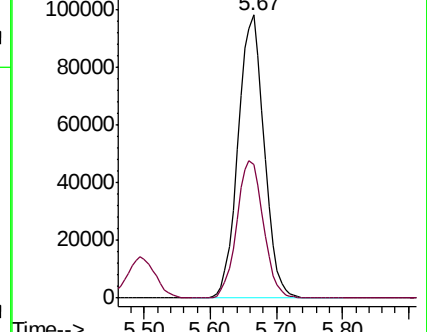
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.225 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010883.D

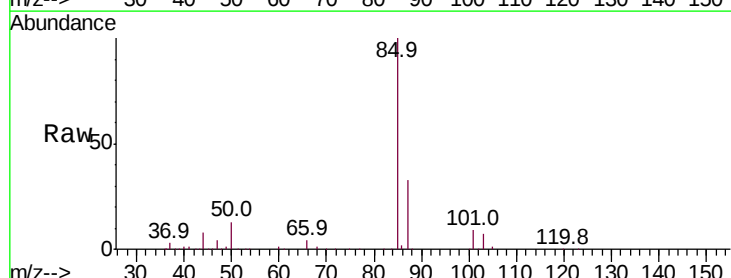
Acq: 15 Jul 2019 14:41

Tgt Ion: 85 Resp: 33954

Ion Ratio Lower Upper

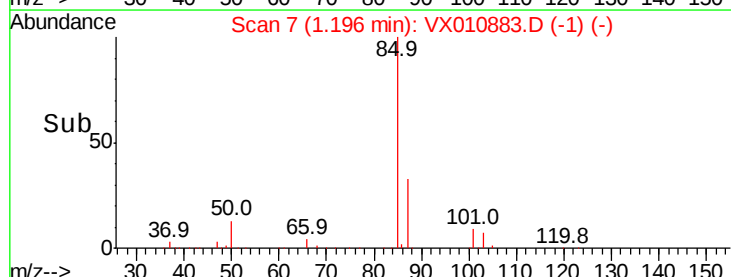
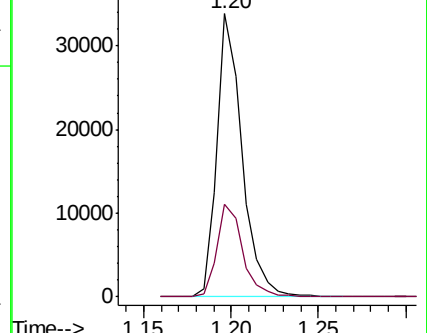
85 100

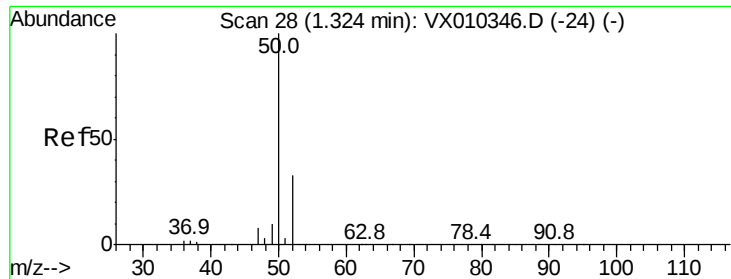
87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.396 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion: 50 Resp: 35571

Ion Ratio Lower Upper

50 100

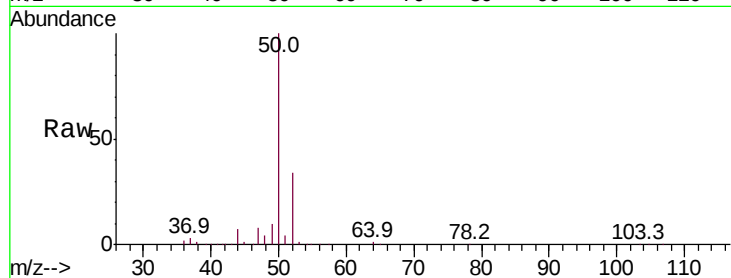
52 33.6 26.5 39.7

Manual Integrations

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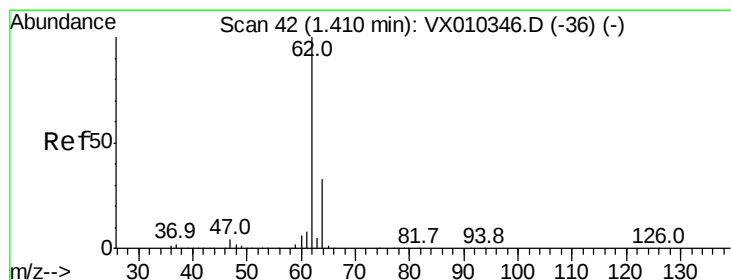
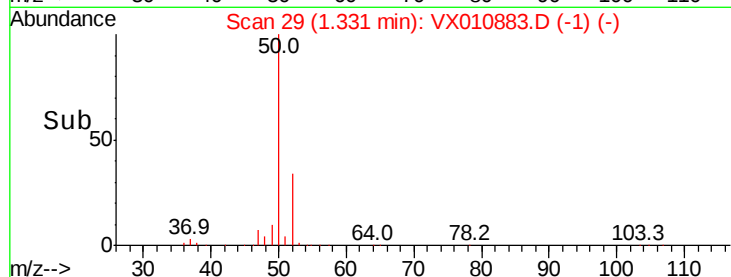
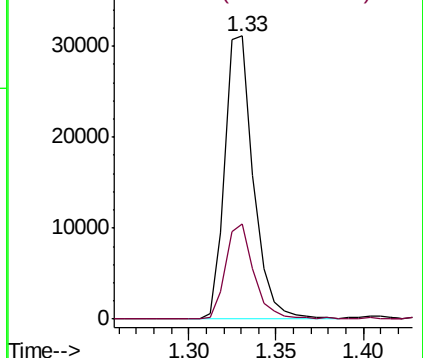
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.392 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010883.D

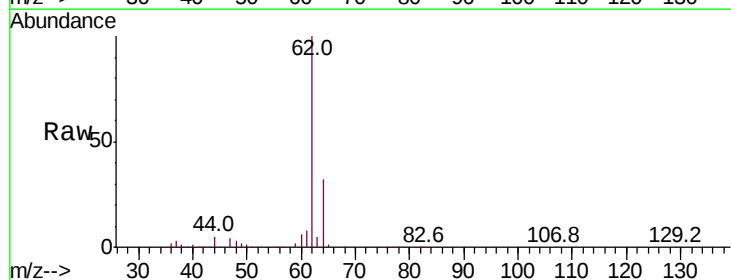
Acq: 15 Jul 2019 14:41

Tgt Ion: 62 Resp: 38951

Ion Ratio Lower Upper

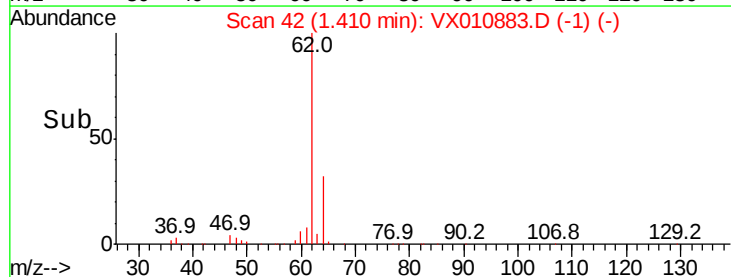
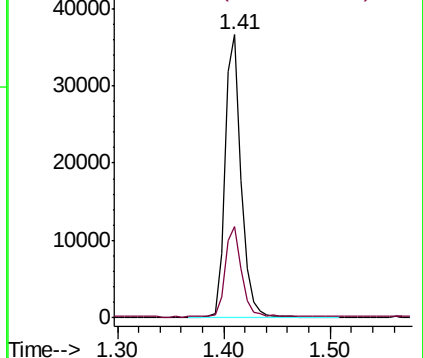
62 100

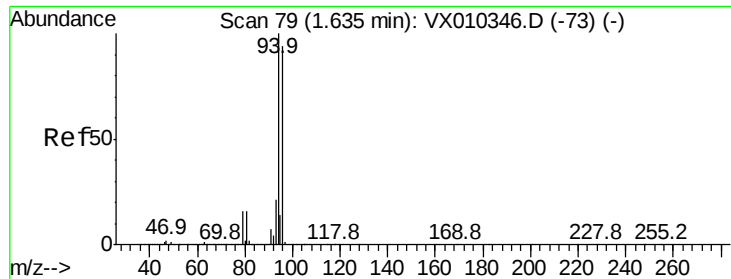
64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.272 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion: 94 Resp: 21152

Ion Ratio Lower Upper

94 100

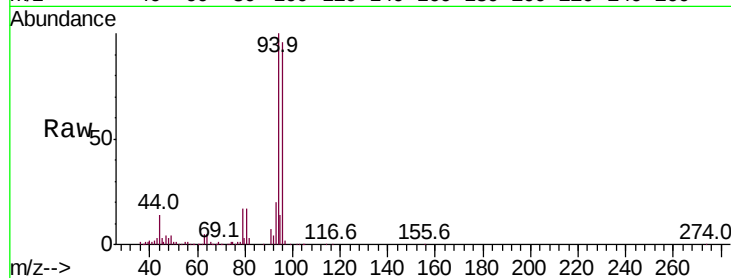
96 95.5 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

20000

15000

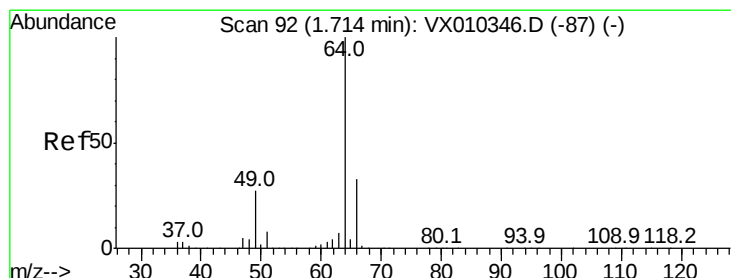
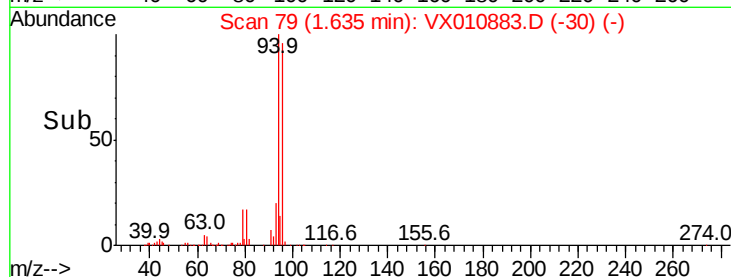
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5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 25.972 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010883.D

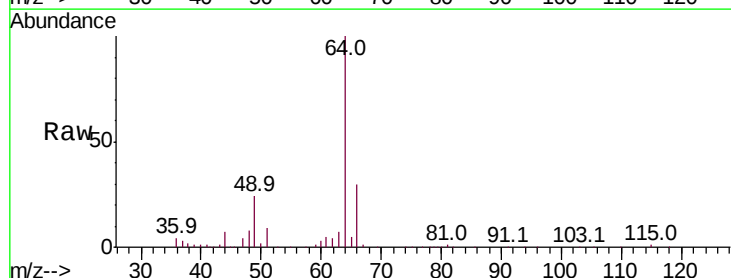
Acq: 15 Jul 2019 14:41

Tgt Ion: 64 Resp: 36411

Ion Ratio Lower Upper

64 100

66 30.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

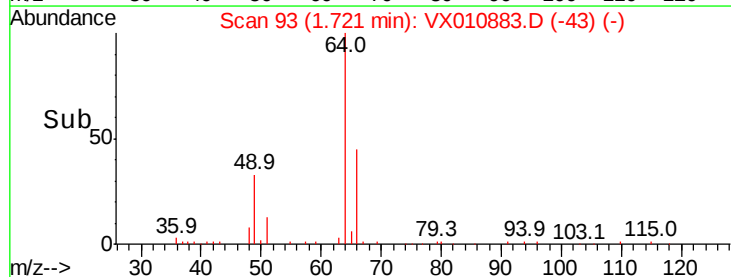
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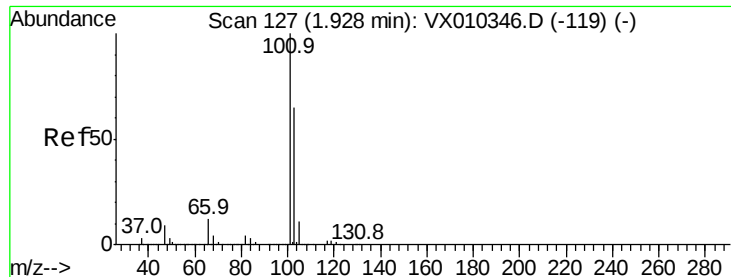
5000

0

1.50 1.60 1.70 1.80

Time-->





#7

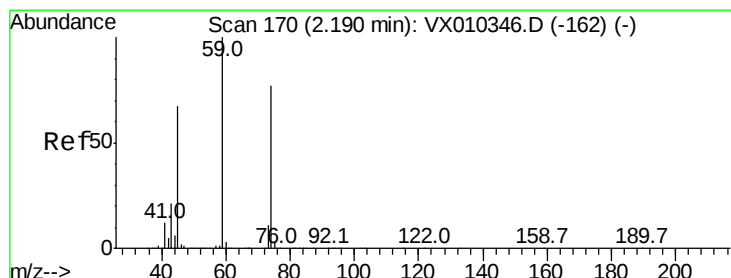
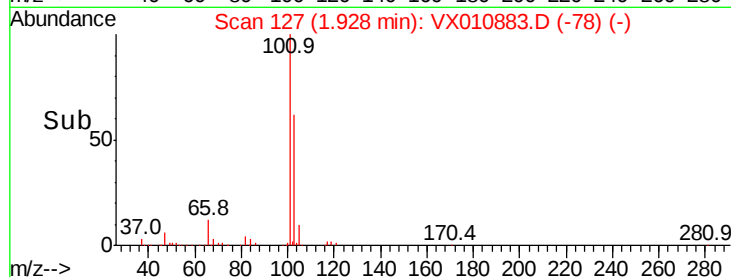
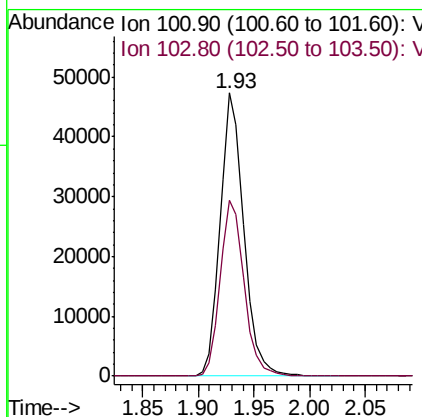
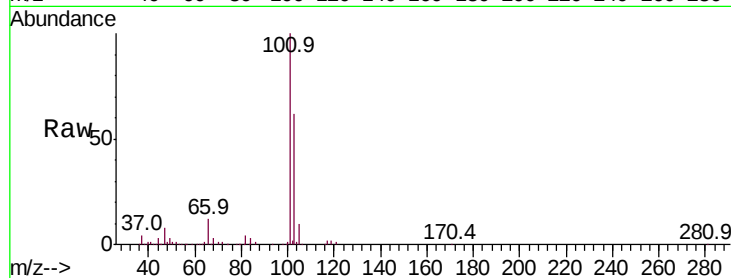
Trichlorofluoromethane
 Concen: 18.473 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
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 ClientSampleId :
 VX0715WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.3	78.5

Manual Integrations
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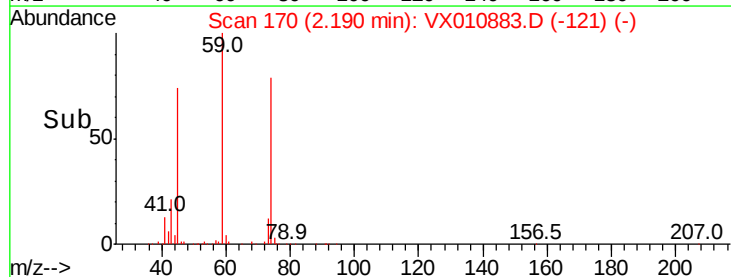
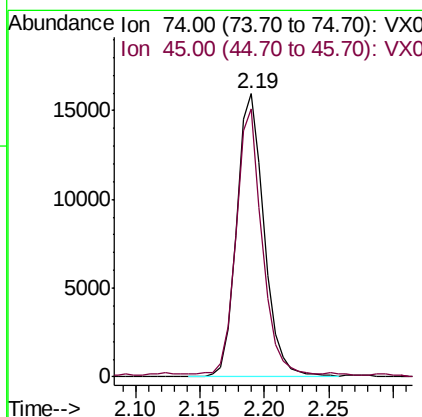
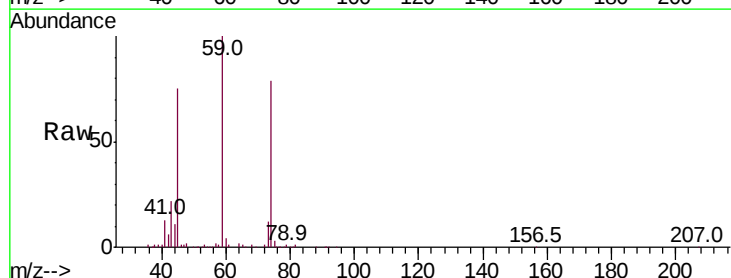
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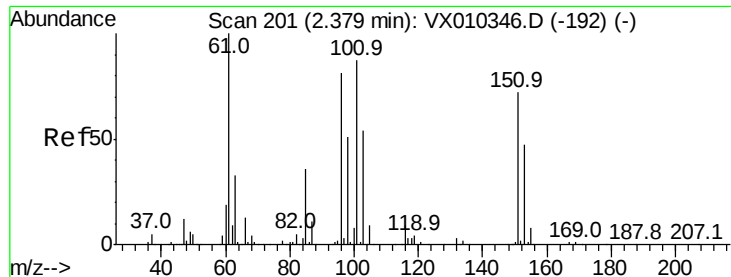


#8

Diethyl Ether
 Concen: 17.512 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.555 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion:101 Resp: 40072

Ion Ratio Lower Upper

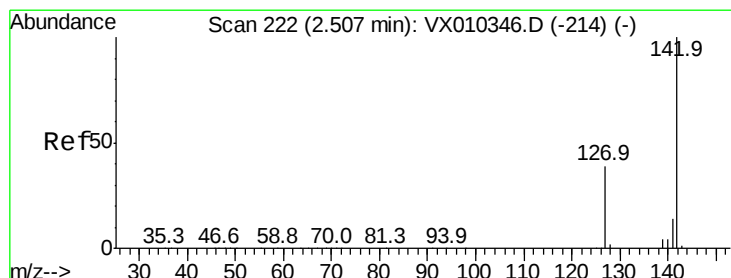
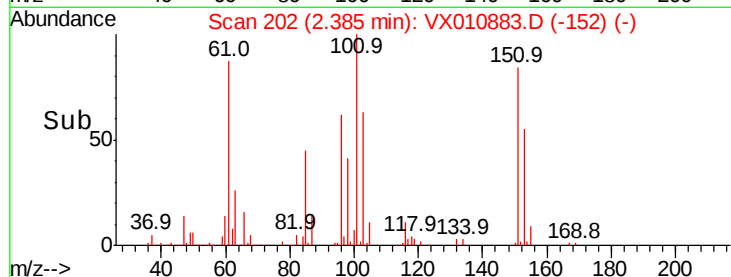
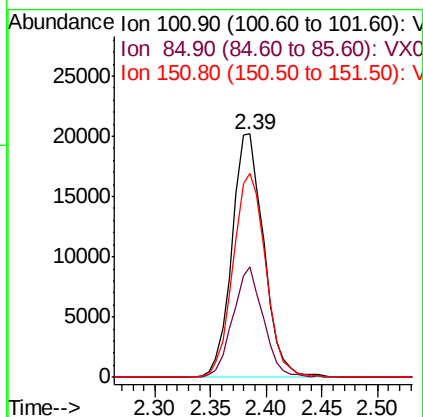
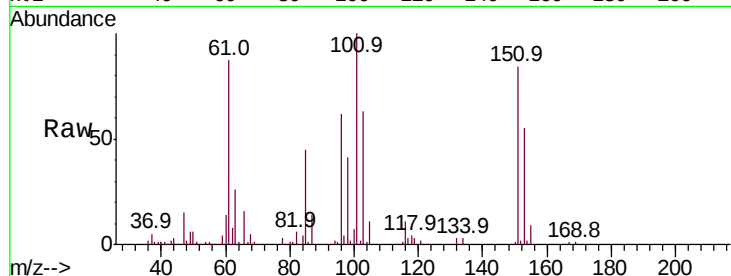
101 100

85 43.2 33.7 50.5

151 85.7 70.1 105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 13.846 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

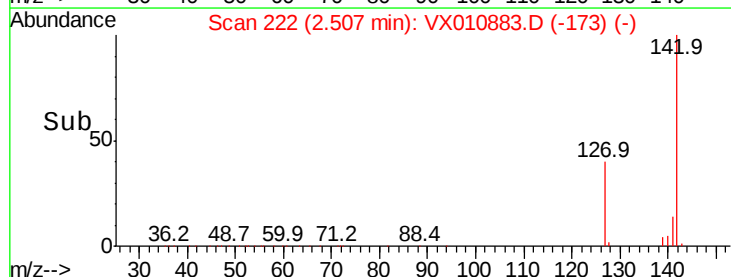
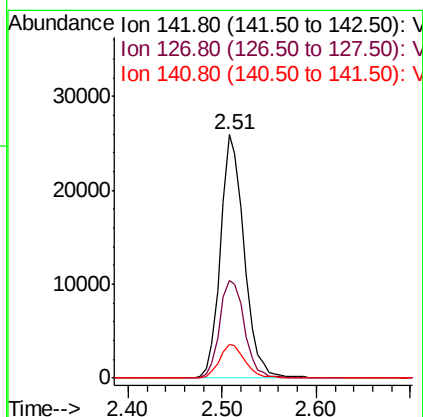
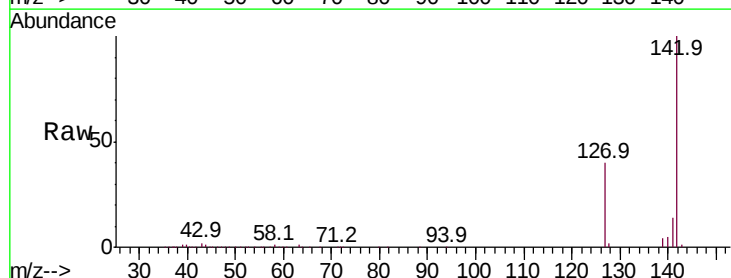
Tgt Ion:142 Resp: 45108

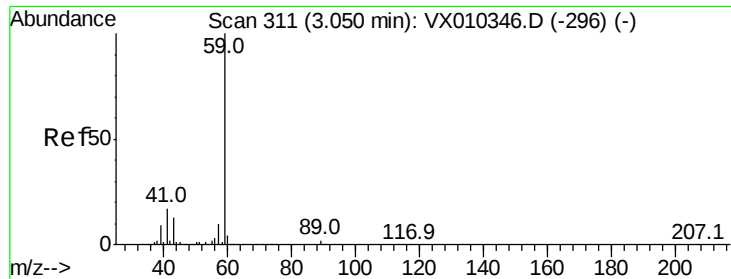
Ion Ratio Lower Upper

142 100

127 42.0 31.1 46.7

141 14.9 11.2 16.8





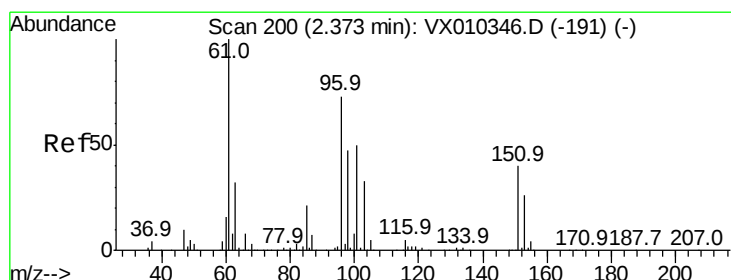
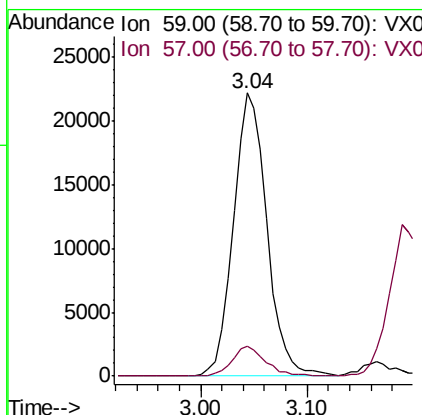
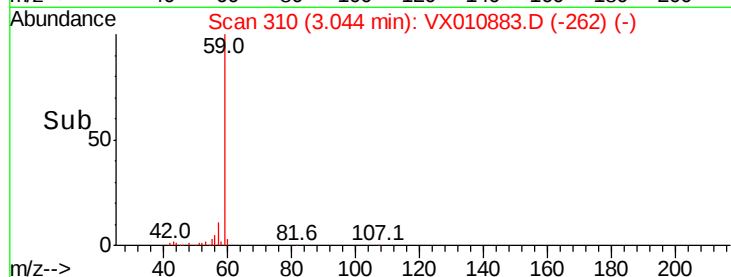
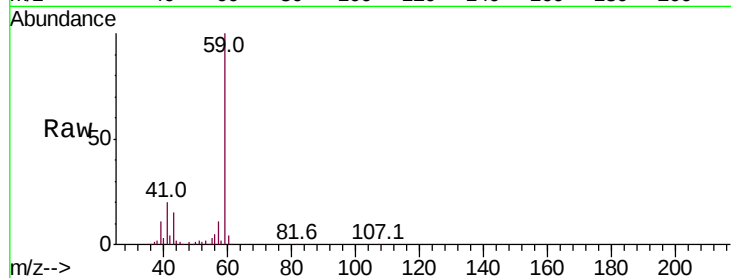
#11
Tert butyl alcohol
Concen: 74.575 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion: 59 Resp: 49030
Ion Ratio Lower Upper
59 100
57 10.6 7.7 11.5

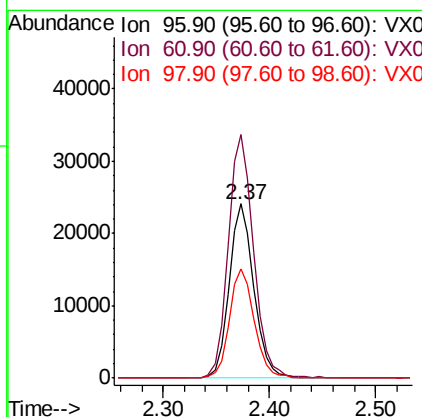
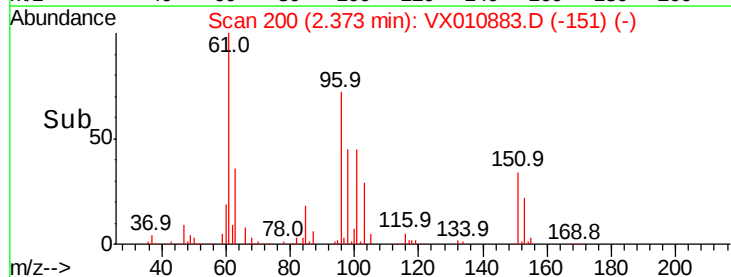
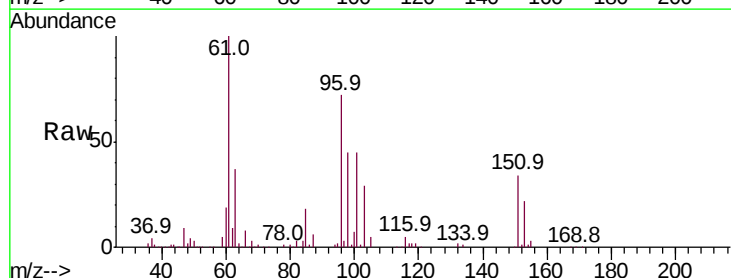
Manual Integrations
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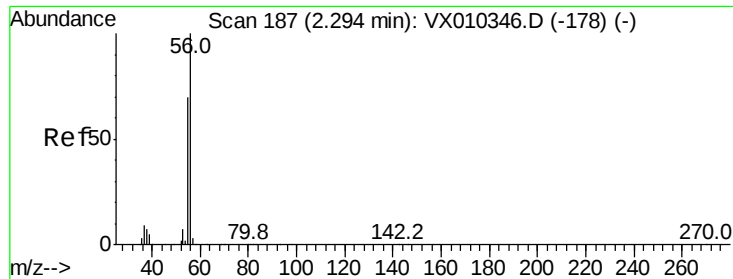
MMDadoda
7/16/2019 10:44:18 AM



#12
1,1-Dichloroethene
Concen: 16.866 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion: 96 Resp: 39176
Ion Ratio Lower Upper
96 100
61 139.6 109.2 163.8
98 62.6 51.1 76.7





#13

Acrolein

Concen: 95.462 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion: 56 Resp: 41635

Ion Ratio Lower Upper

56 100

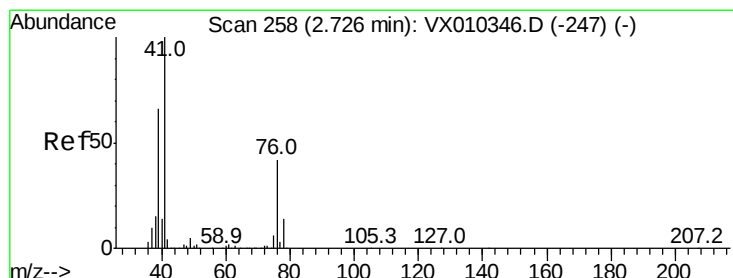
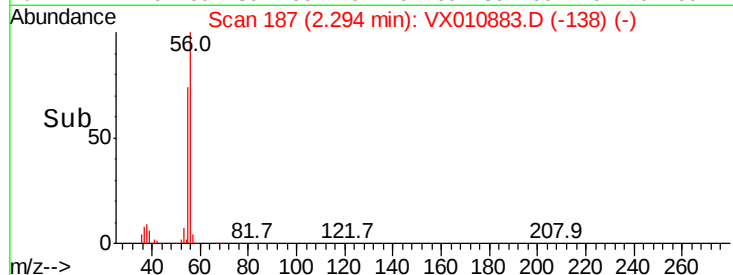
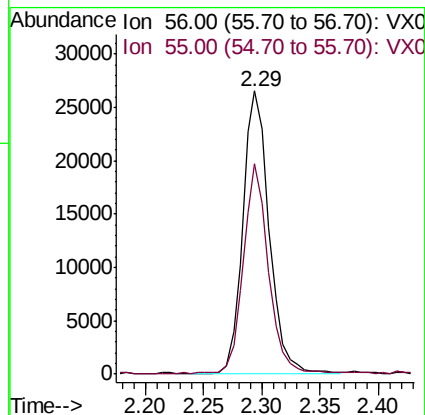
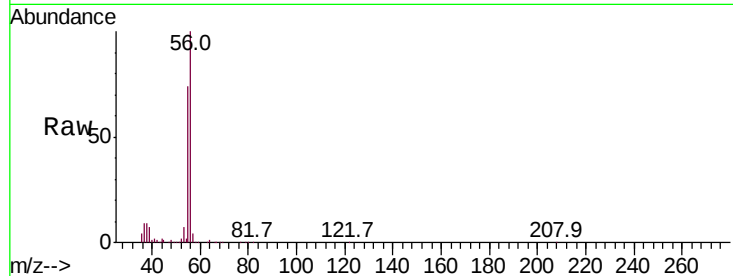
55 70.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 17.271 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

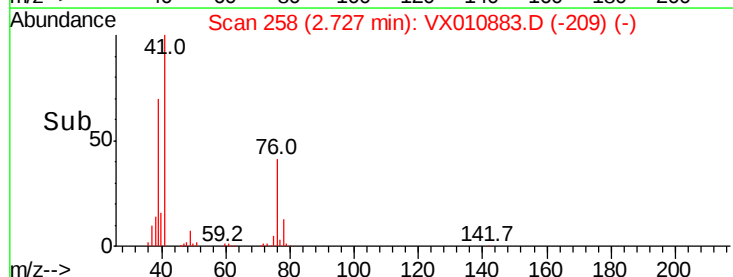
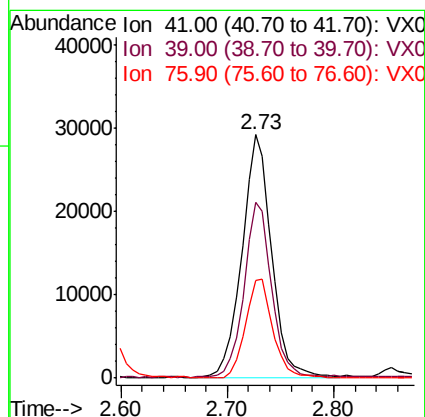
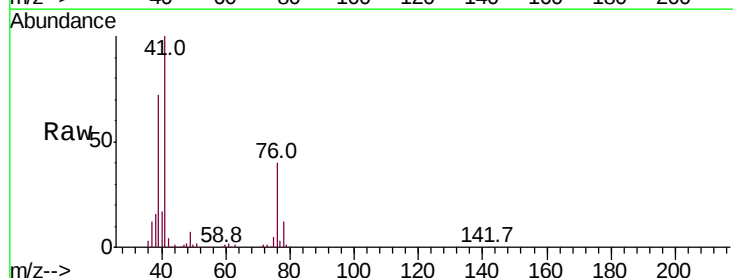
Tgt Ion: 41 Resp: 56955

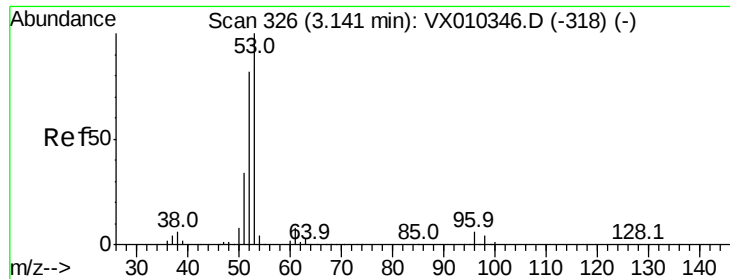
Ion Ratio Lower Upper

41 100

39 66.3 50.3 75.5

76 37.5 31.3 46.9





#15

Acrylonitrile

Concen: 87.489 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

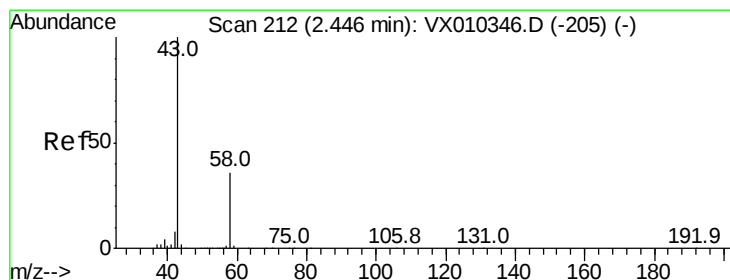
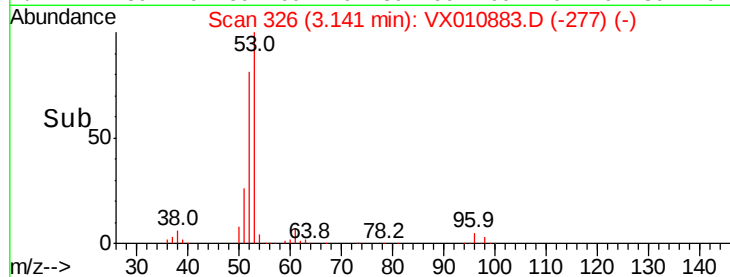
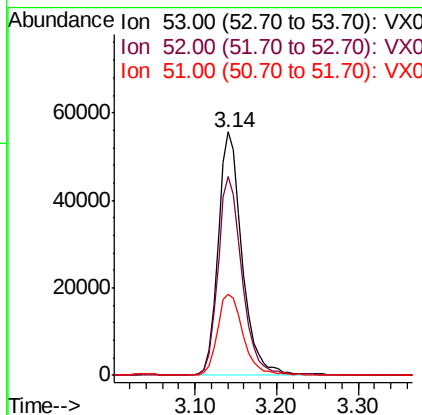
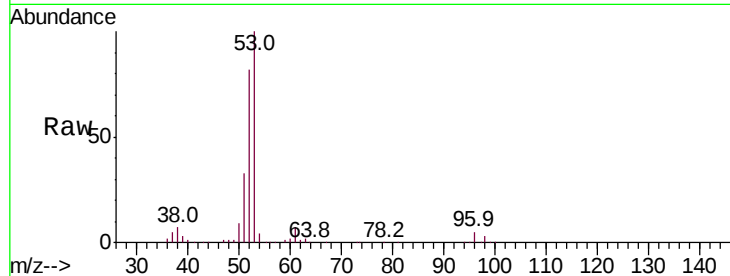
ClientSampleId :

VX0715WBS02

Tot Ion:	53	Resp:	113885
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.5	98.3
51	35.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 81.898 ug/l

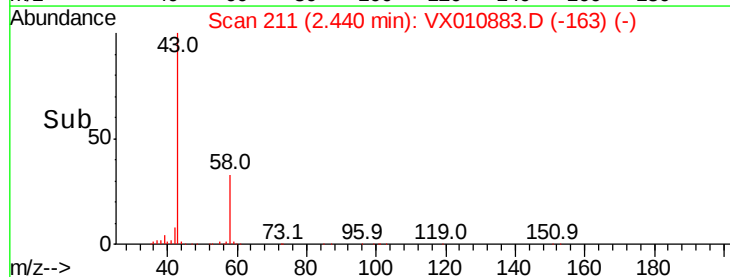
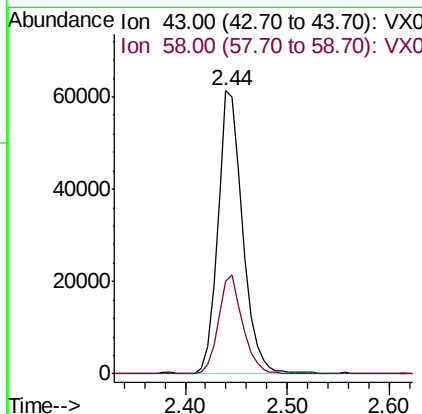
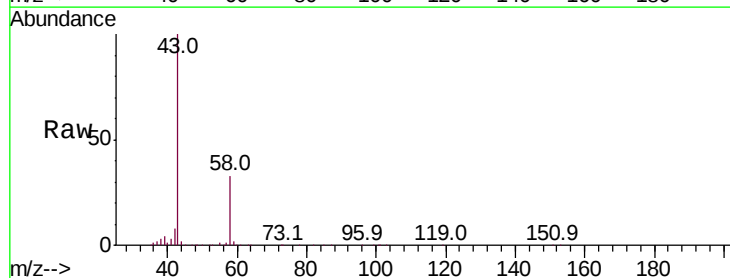
RT: 2.44 min Scan# 211

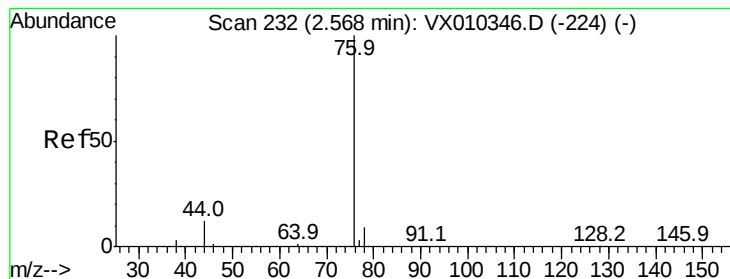
Delta R.T. -0.01 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Tgt Ion:	43	Resp:	103128
Ion Ratio	Lower	Upper	
43	100		
58	32.8	28.9	43.3





#17

Carbon Disulfide

Concen: 14.602 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion: 76 Resp: 90998

Ion Ratio Lower Upper

76 100

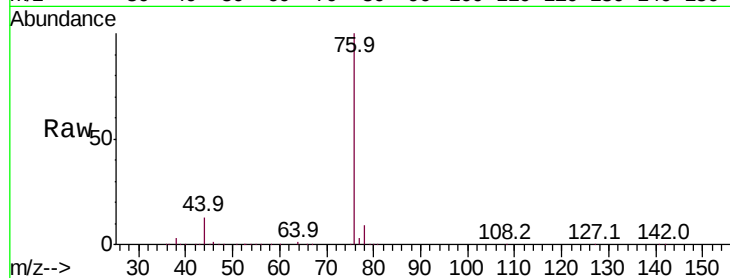
78 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

60000

50000

40000

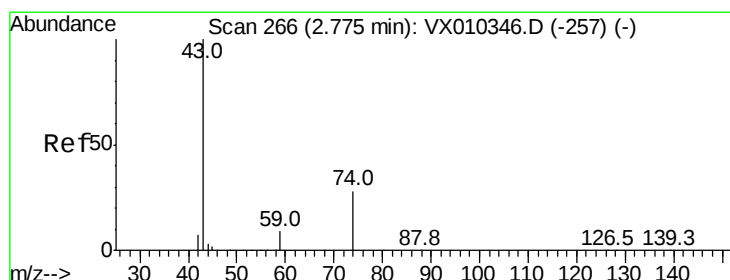
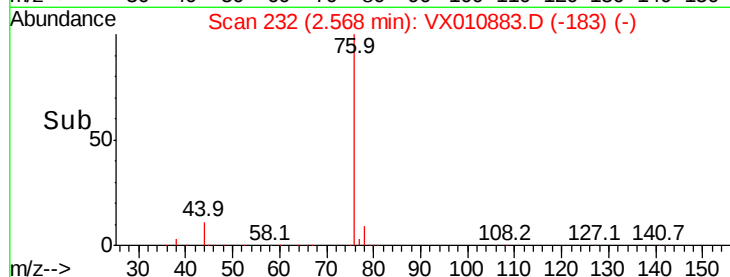
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 18.278 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010883.D

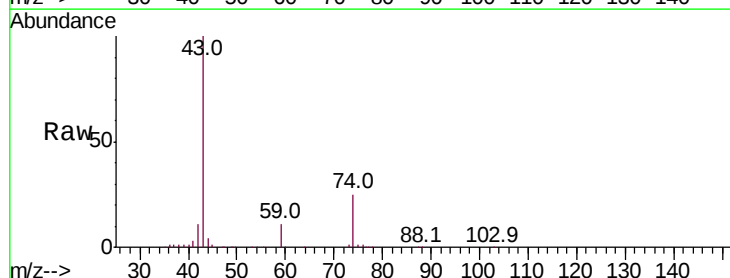
Acq: 15 Jul 2019 14:41

Tgt Ion: 43 Resp: 45873

Ion Ratio Lower Upper

43 100

74 27.4 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

30000

25000

20000

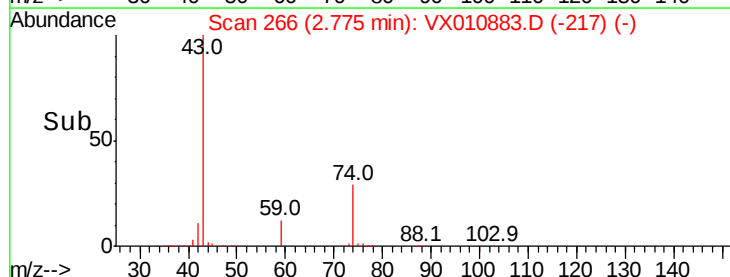
15000

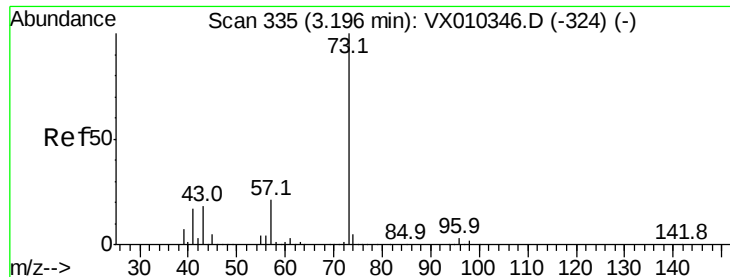
10000

5000

0

Time-->





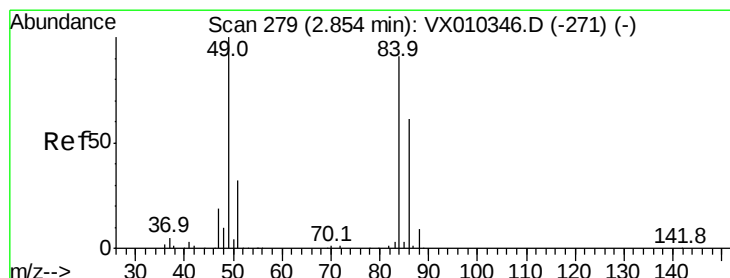
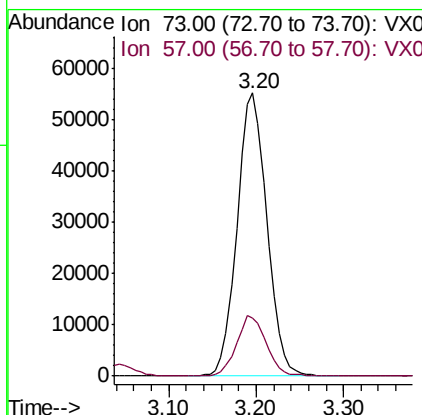
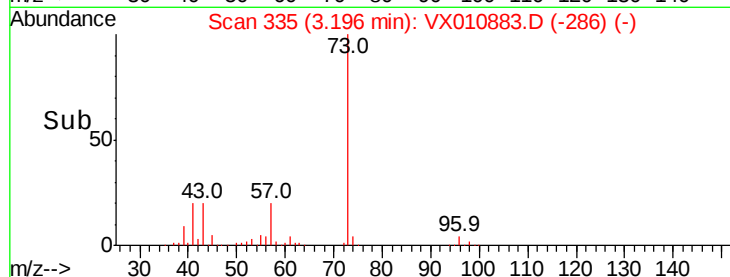
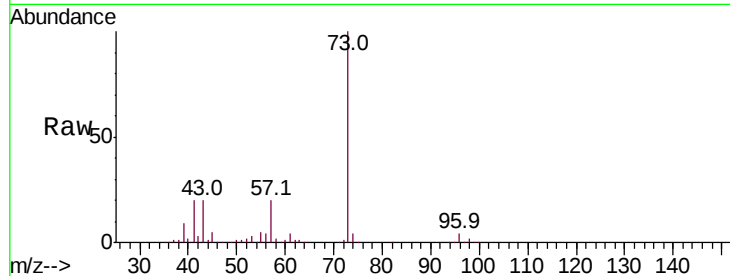
#19
Methyl tert-butyl Ether
Concen: 17.894 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion: 73 Resp: 130758
Ion Ratio Lower Upper
73 100
57 20.4 16.4 24.6

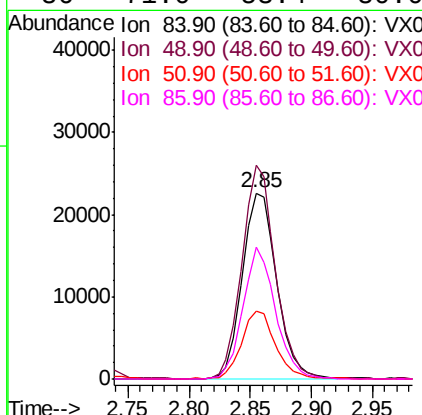
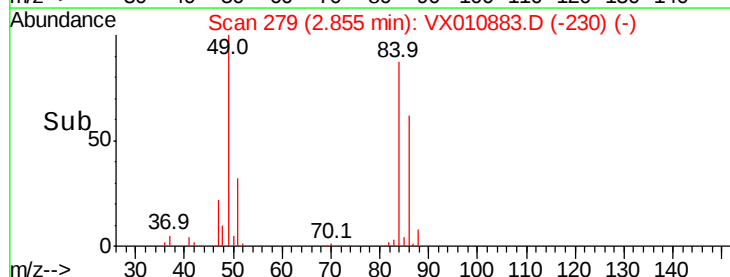
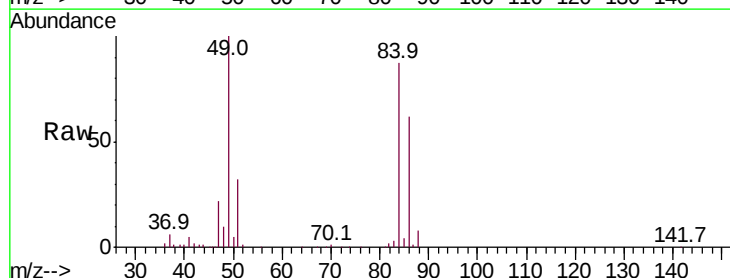
Manual Integrations
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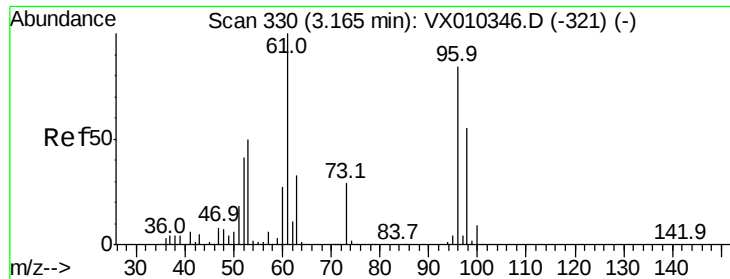
MMDadoda
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#20
Methylene Chloride
Concen: 17.160 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion: 84 Resp: 44470
Ion Ratio Lower Upper
84 100
49 114.5 87.5 131.3
51 36.4 27.7 41.5
86 71.0 53.4 80.0





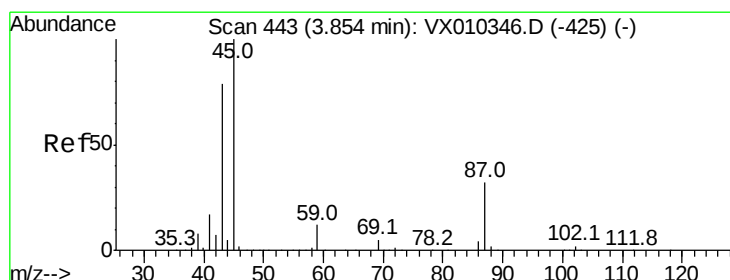
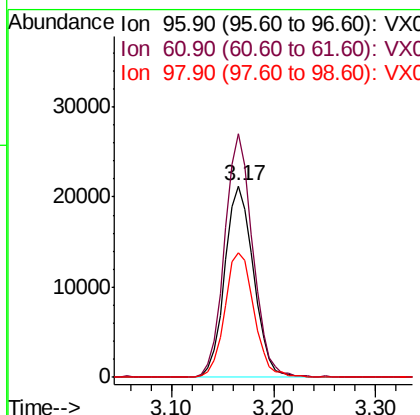
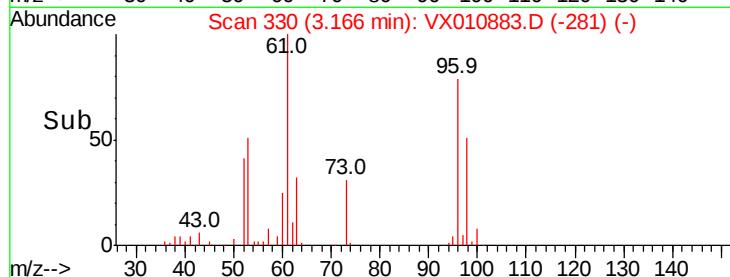
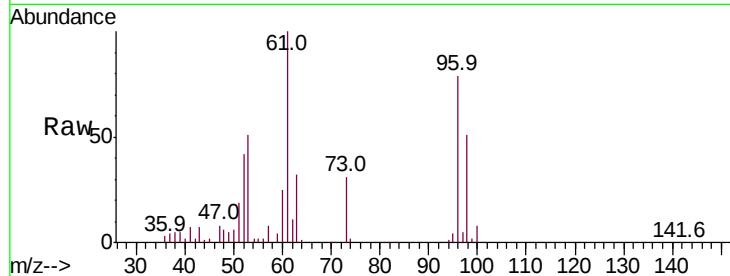
#21
trans-1,2-Dichloroethene
Concen: 16.613 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.7	95.6	143.4
98	65.2	52.5	78.7

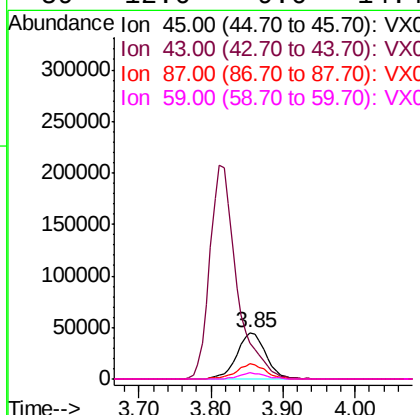
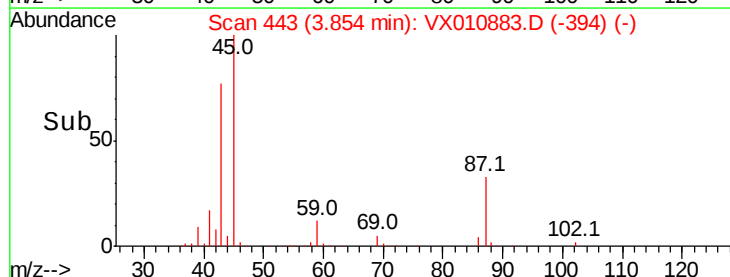
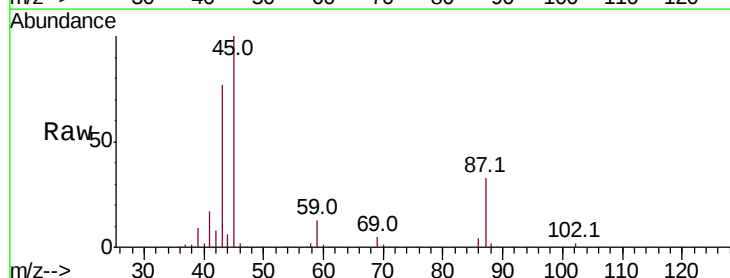
Manual Integrations
APPROVED

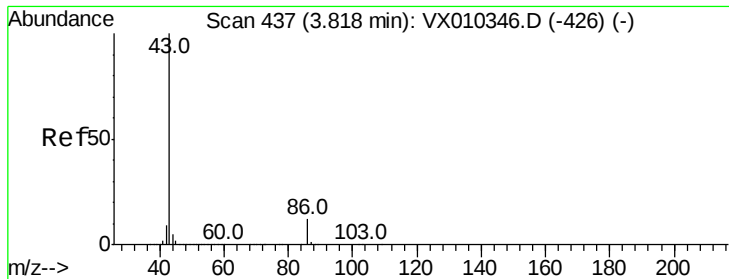
MMDadoda
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#22
Diisopropyl ether
Concen: 18.117 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.1	63.3	94.9
87	33.3	25.8	38.8
59	12.6	9.6	14.4





#23

Vinyl Acetate

Concen: 90.409 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion: 43 Resp: 538506

Ion Ratio Lower Upper

43 100

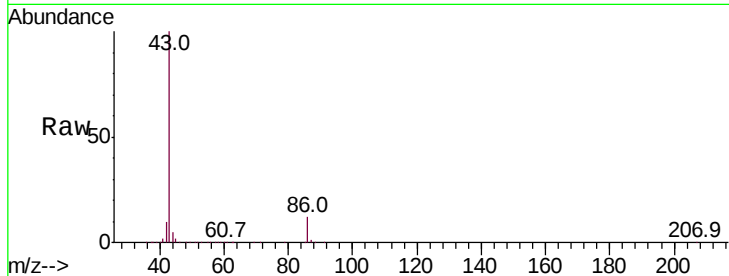
86 11.7 9.9 14.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

200000

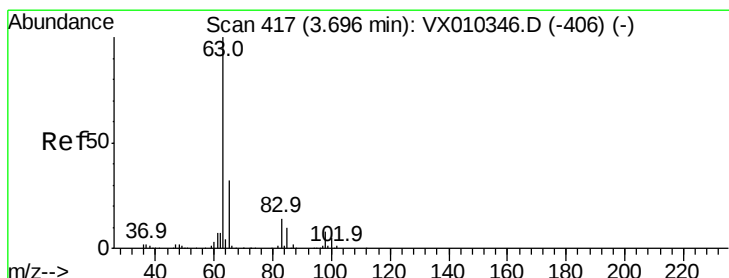
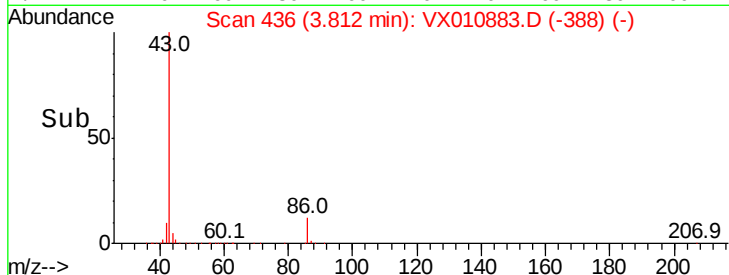
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.494 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

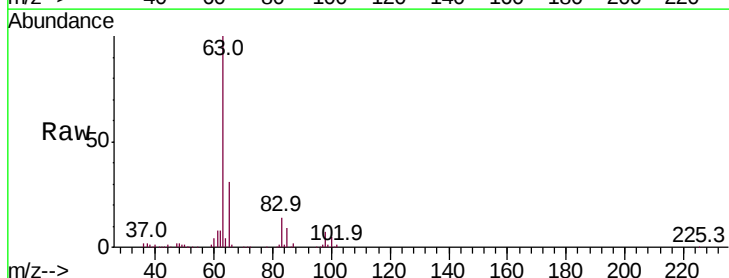
Tgt Ion: 63 Resp: 69719

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

100 4.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

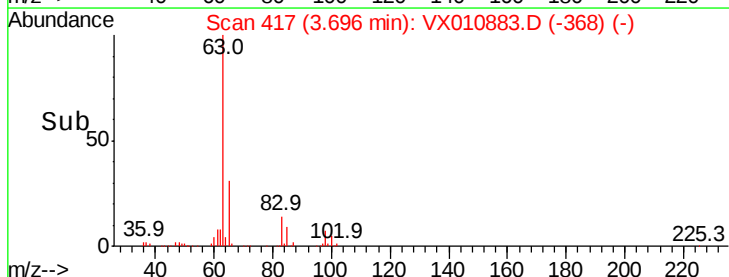
30000

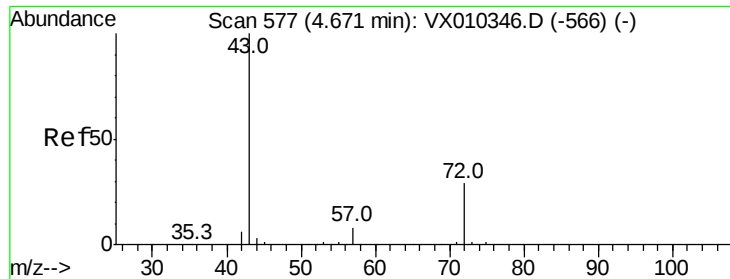
20000

10000

0

Time-->





#25

2-Butanone

Concen: 86.301 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion: 43 Resp: 159410

Ion Ratio Lower Upper

43 100

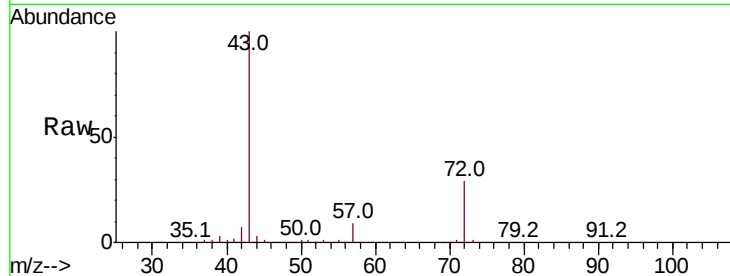
72 28.6 23.3 34.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

60000

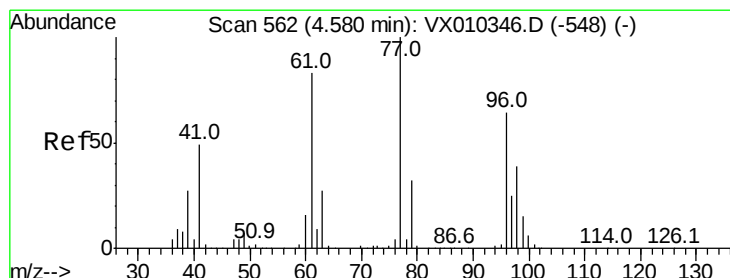
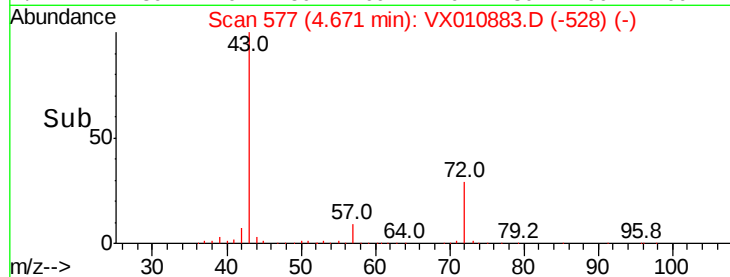
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.520 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010883.D

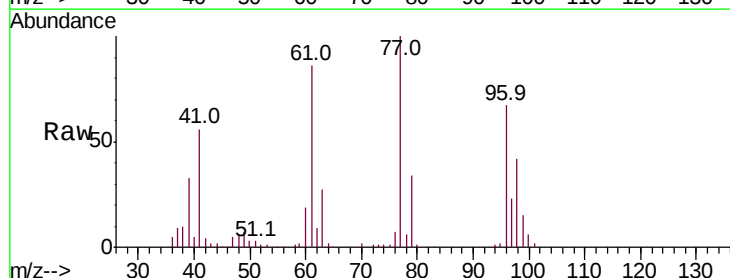
Acq: 15 Jul 2019 14:41

Tgt Ion: 77 Resp: 57193

Ion Ratio Lower Upper

77 100

97 25.6 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

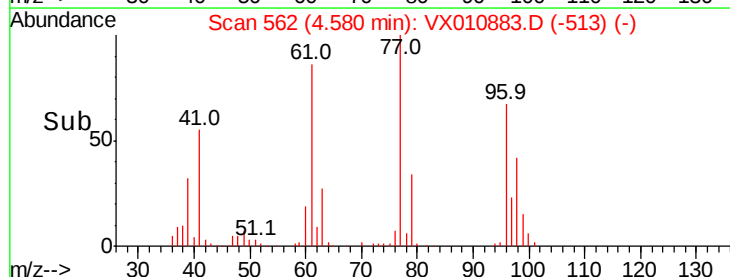
10000

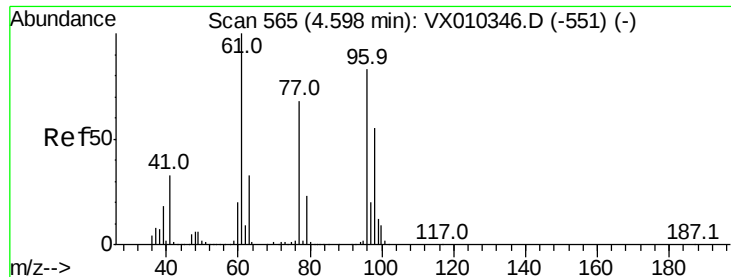
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

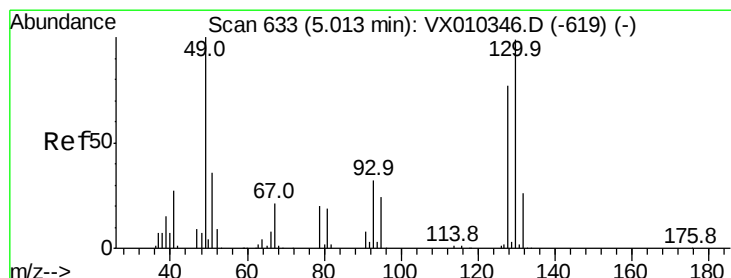
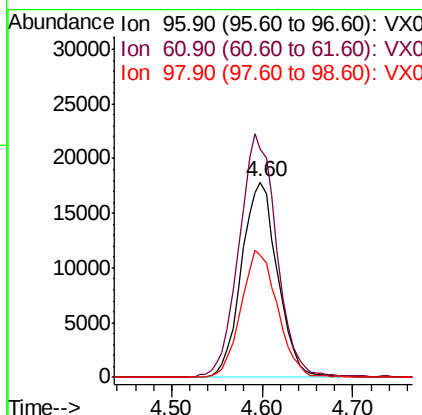
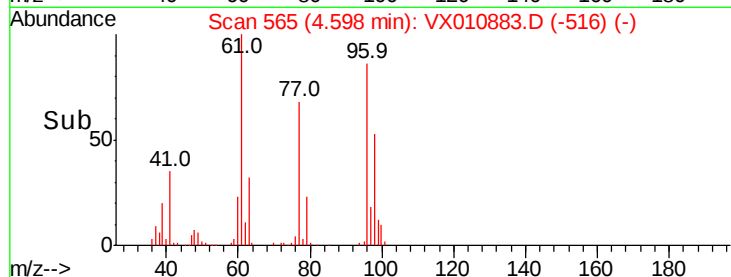
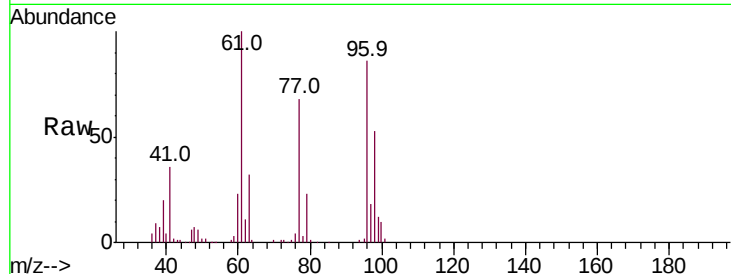
cis-1,2-Dichloroethene
Concen: 17.045 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	0.0	251.8
98	65.9	0.0	129.4

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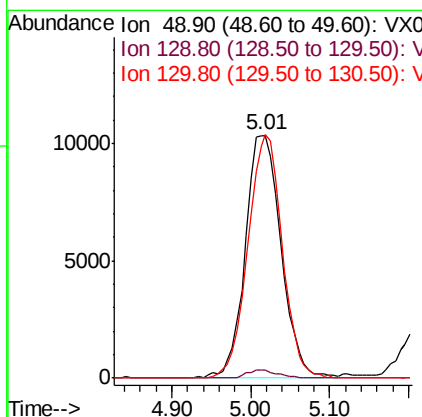
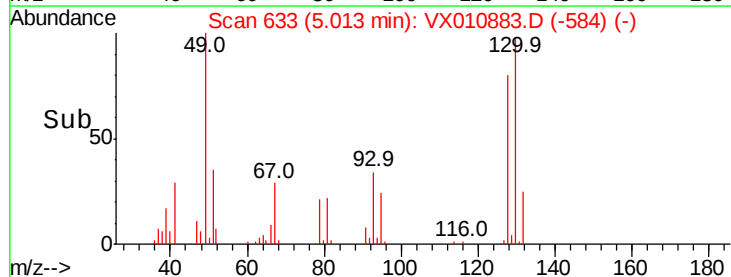
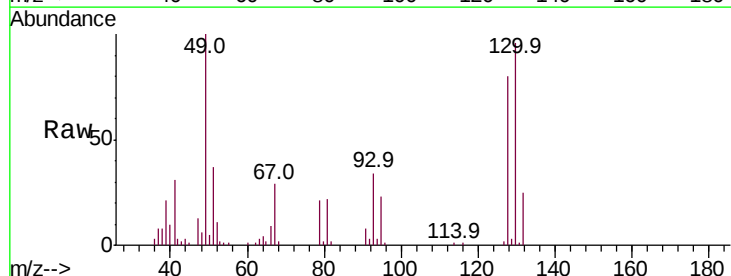
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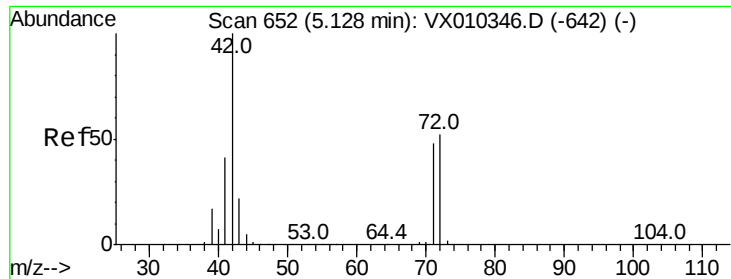


#28

Bromochloromethane
Concen: 17.147 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.6
130	95.8	81.4	122.0





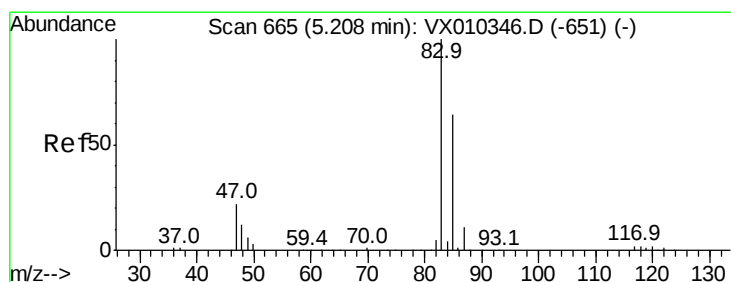
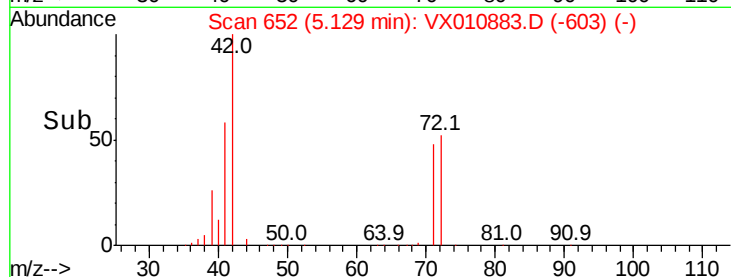
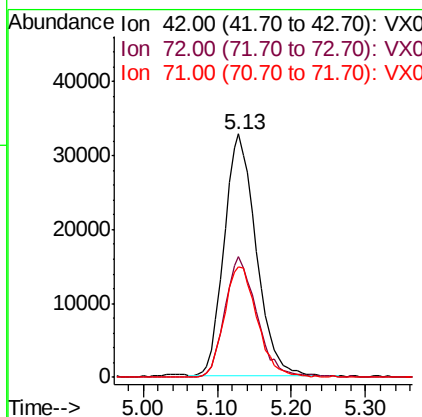
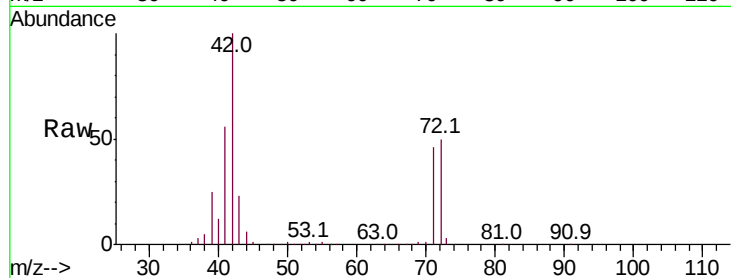
#29
Tetrahydrofuran
Concen: 86.420 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	40.6	60.8
71	46.9	37.8	56.8

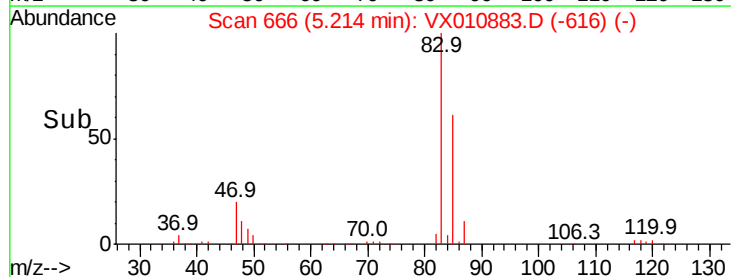
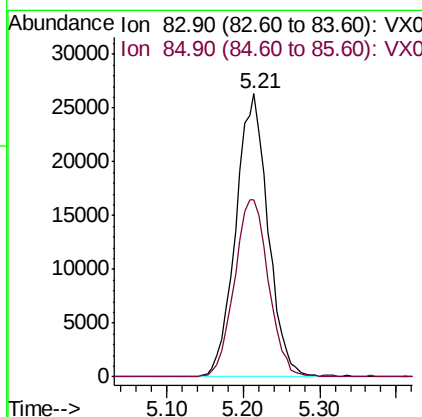
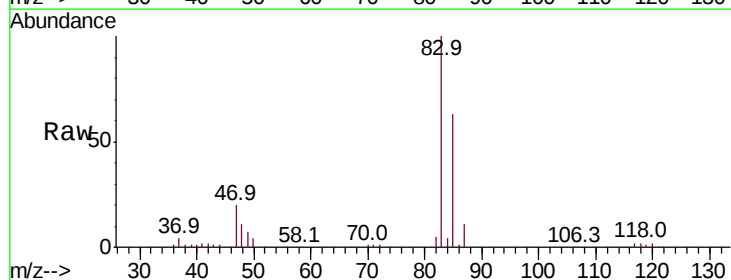
Manual Integrations
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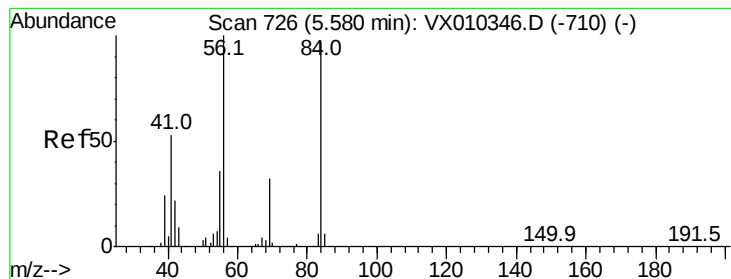
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#30
Chloroform
Concen: 17.952 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.9	76.3





#31

Cyclohexane

Concen: 16.922 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

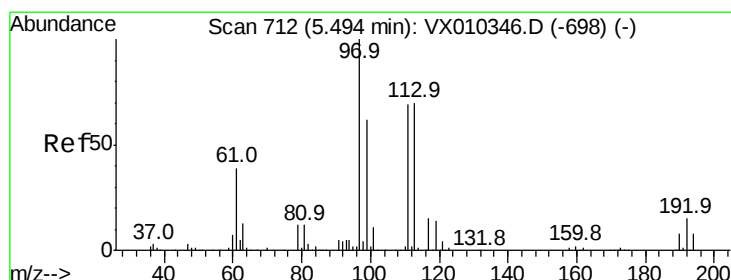
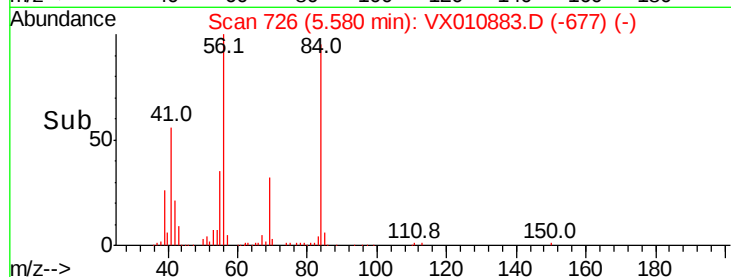
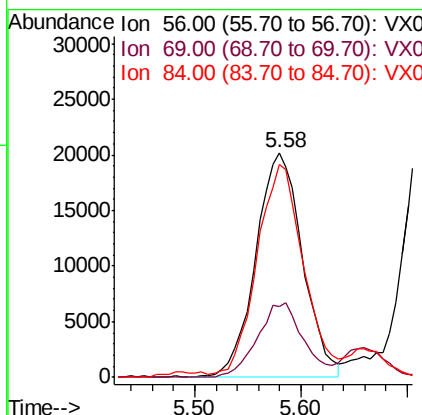
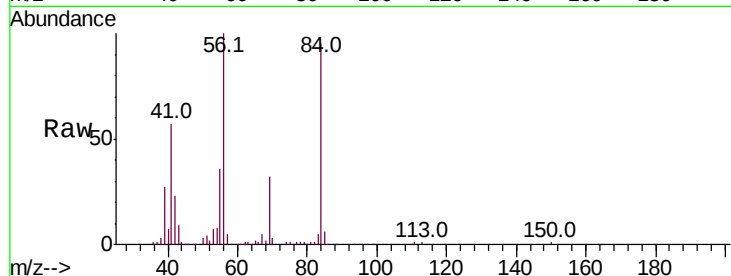
ClientSampleId :

VX0715WBS02

Tot Ion:	56	Resp:	61415
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.9	38.9
84	93.5	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 17.088 ug/l

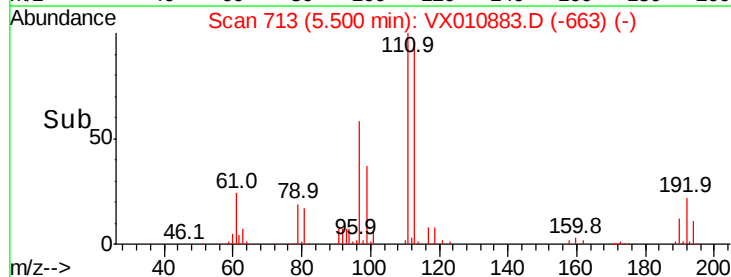
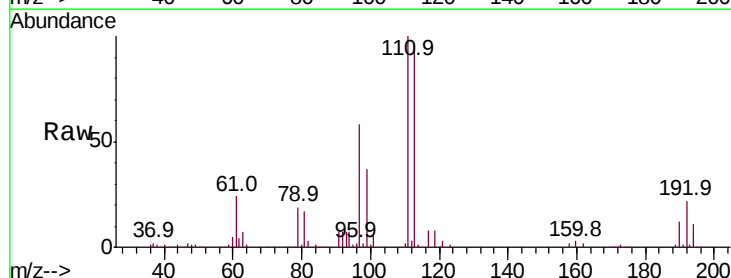
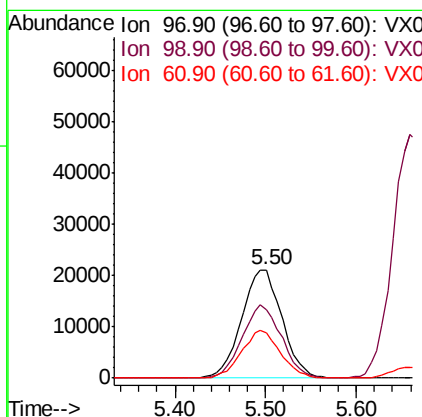
RT: 5.50 min Scan# 713

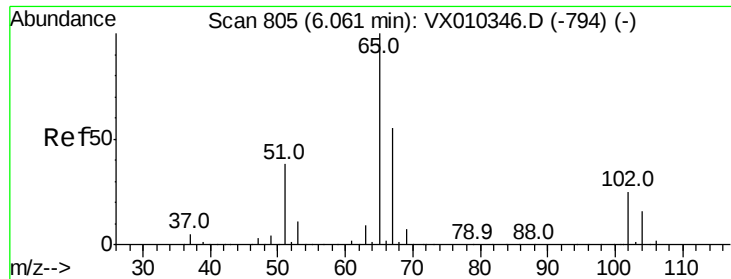
Delta R.T. 0.01 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Tgt Ion:	97	Resp:	64702
Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.8	77.8
61	43.0	32.1	48.1





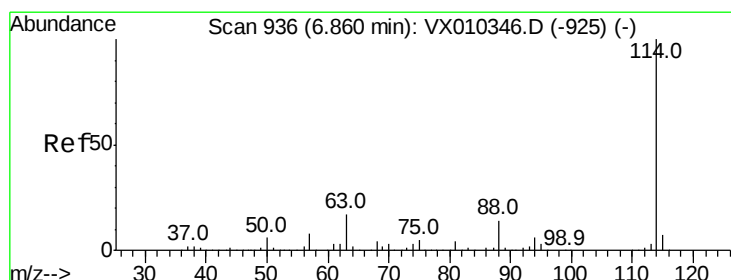
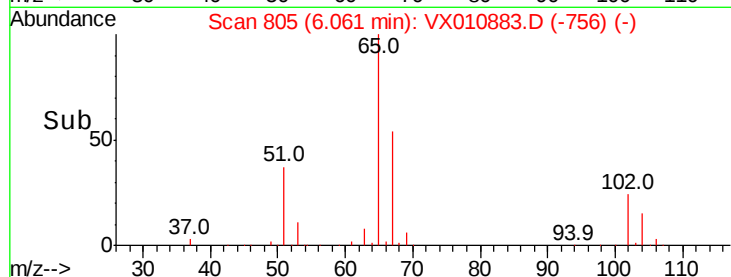
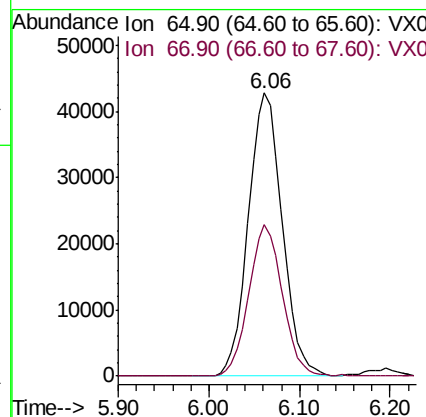
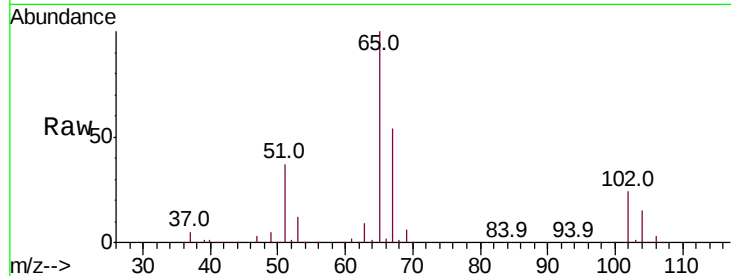
#33
 1,2-Dichloroethane-d4
 Concen: 44.067 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	110.2

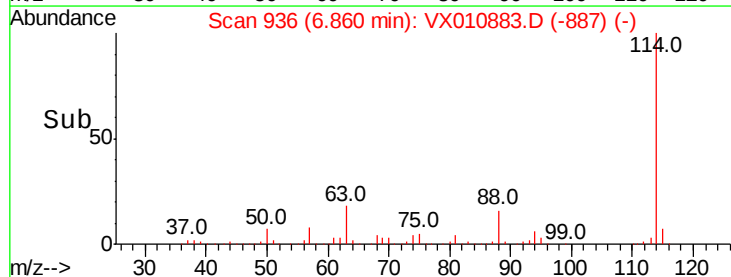
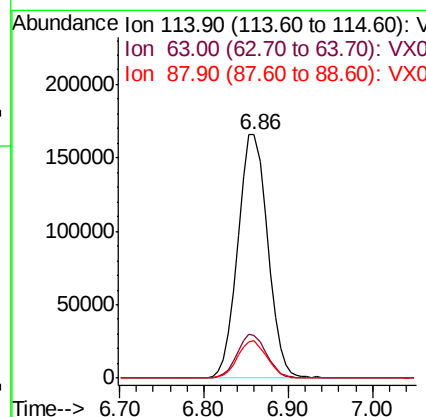
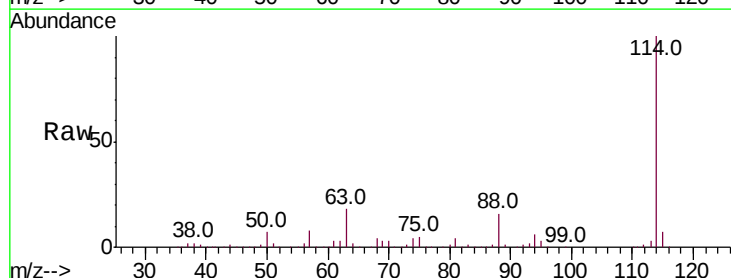
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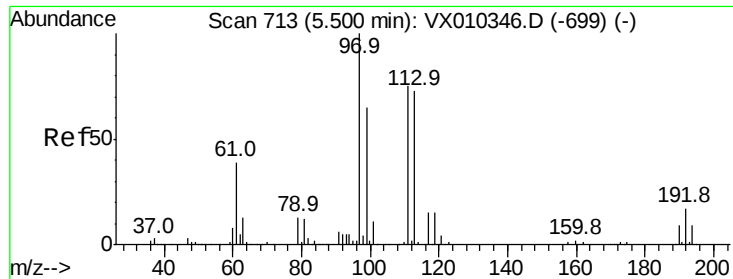
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	33.8
88	15.5	0.0	27.6





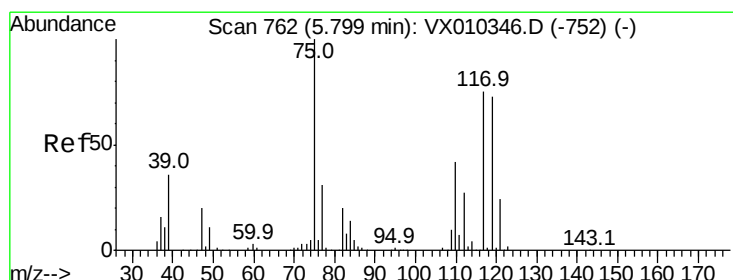
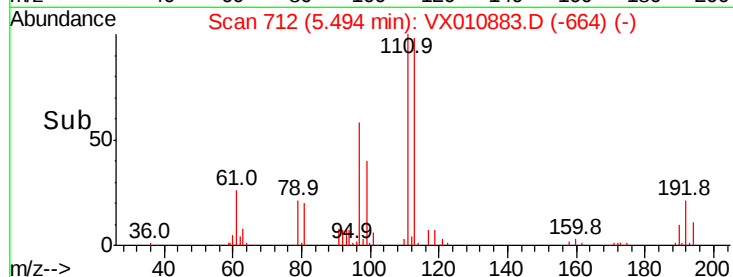
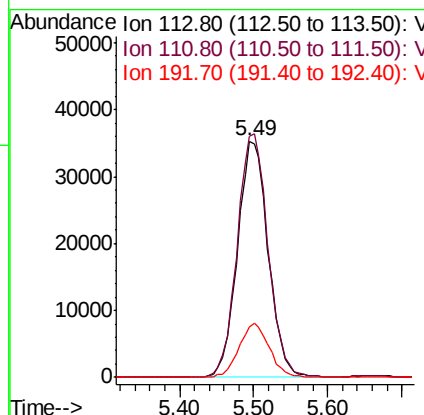
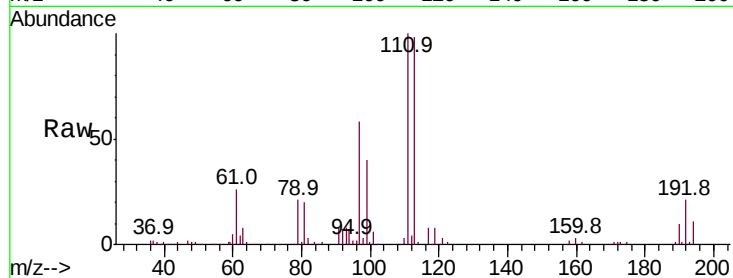
#35
 Dibromofluoromethane
 Concen: 42.012 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102176		
111	103.5	81.2	121.8	
192	22.3	18.6	27.8	

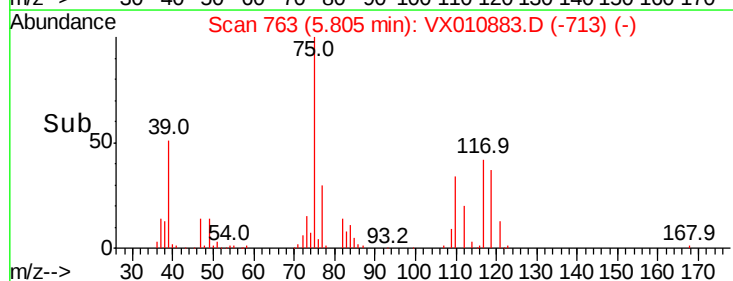
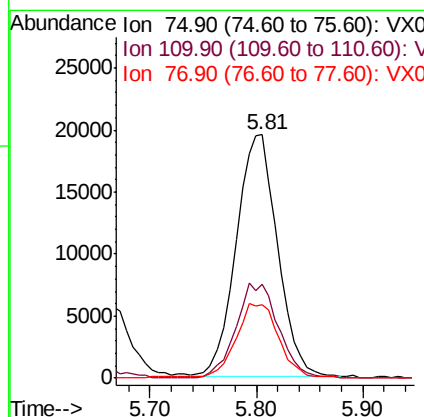
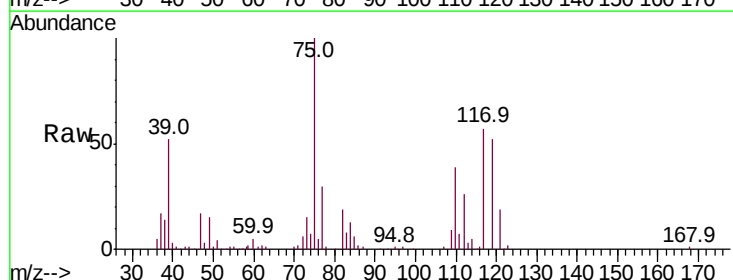
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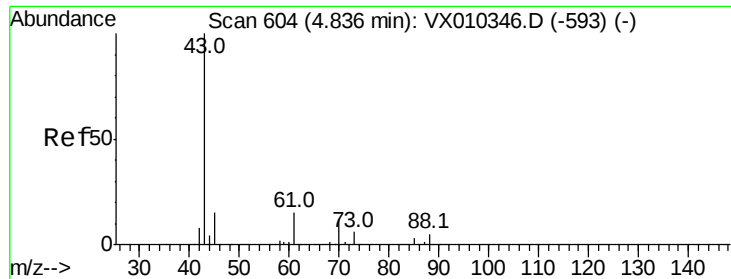
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#36
 1,1-Dichloropropene
 Concen: 16.904 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53397		
110	40.2	20.8	62.2	
77	31.7	25.4	38.0	





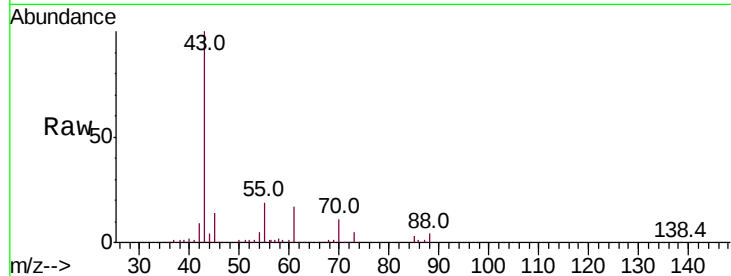
#37
Ethyl Acetate
Concen: 17.927 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

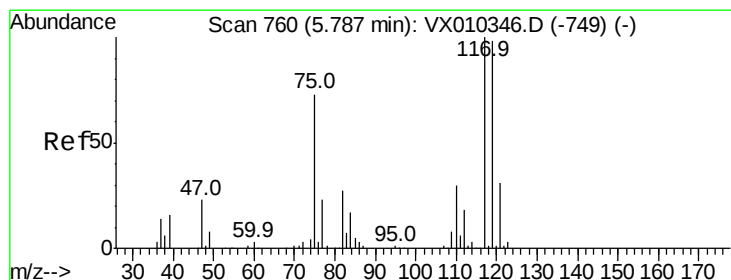
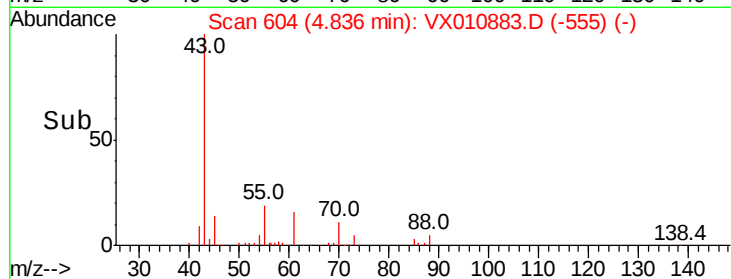
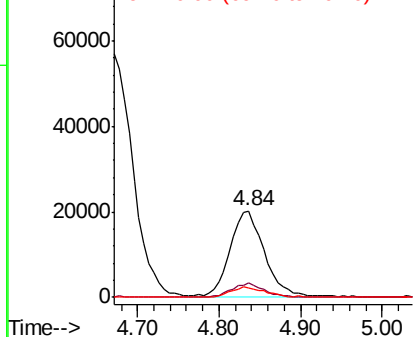
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.4	18.6
70	11.8	9.8	14.8

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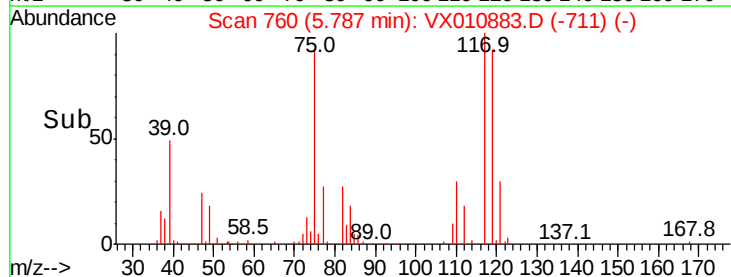
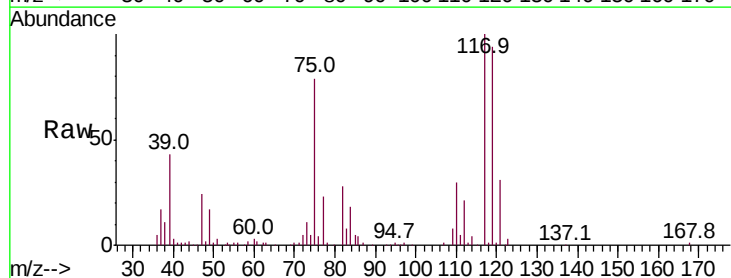
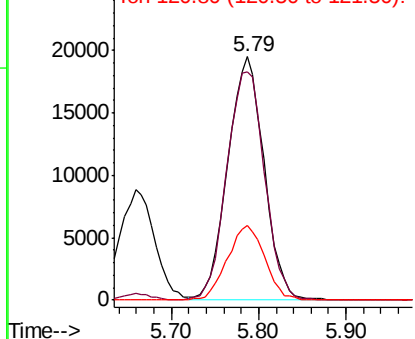
Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

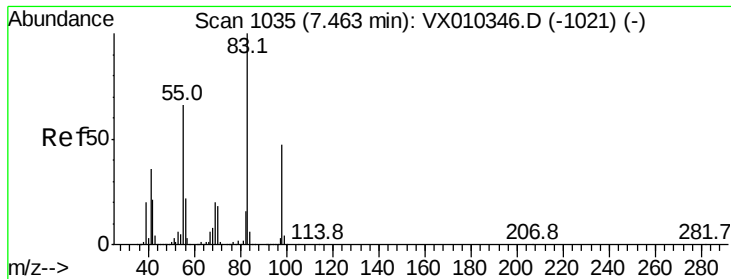


#38
Carbon Tetrachloride
Concen: 16.452 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.2	117.4
121	30.8	24.7	37.1

Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





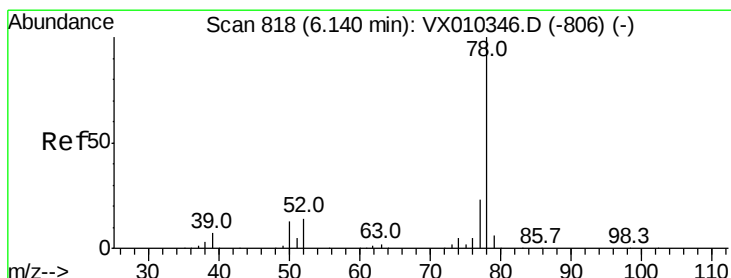
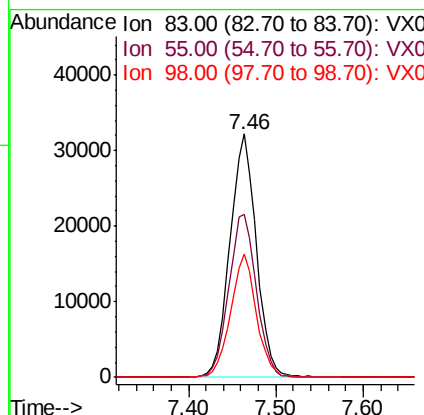
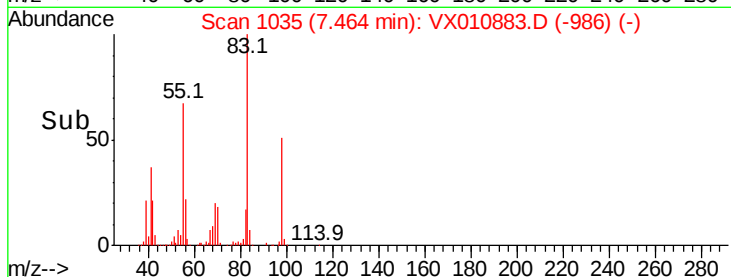
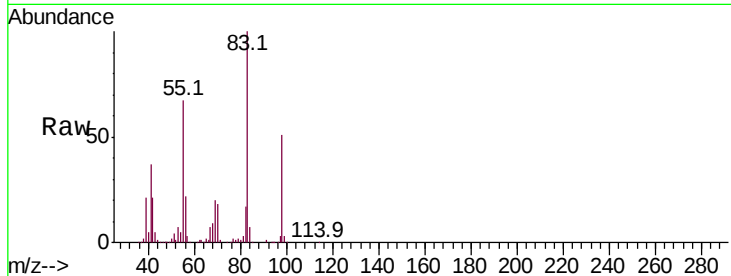
#39
Methylvlcyclohexane
Concen: 16.267 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.9	53.0	79.6
98	50.6	37.8	56.8

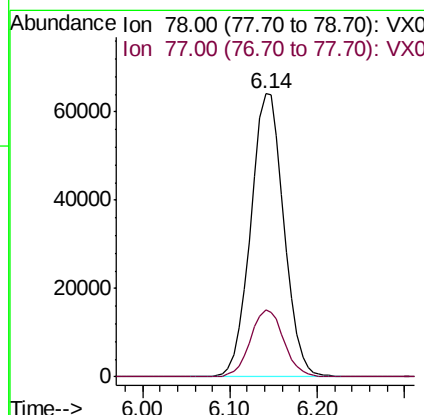
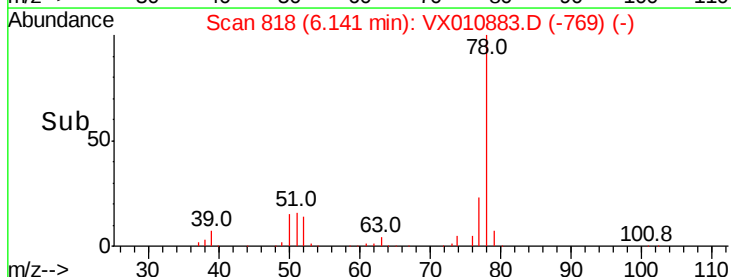
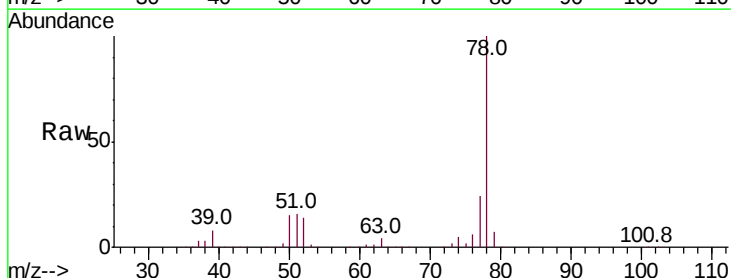
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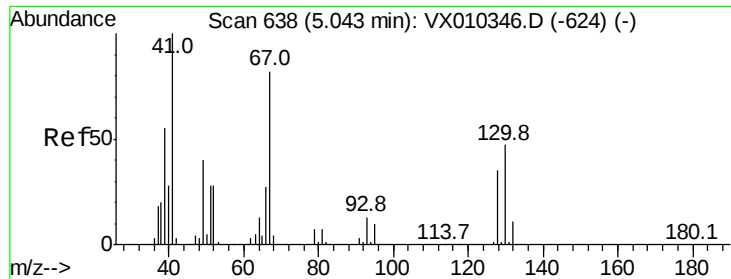
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#40
Benzene
Concen: 17.224 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





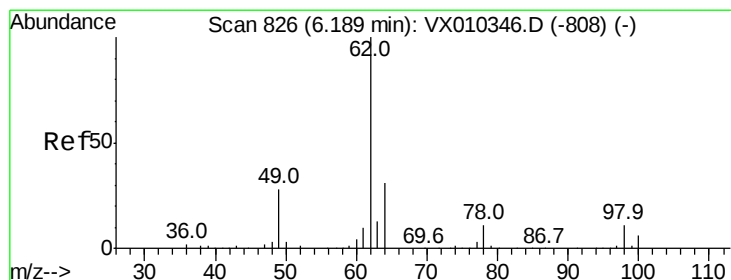
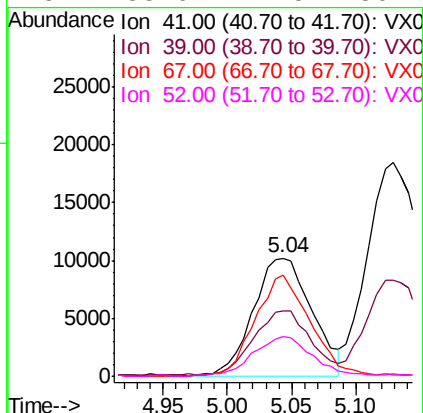
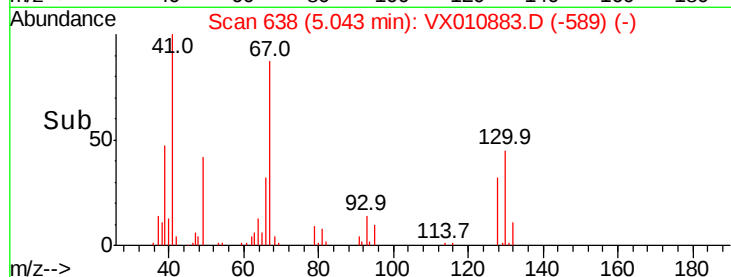
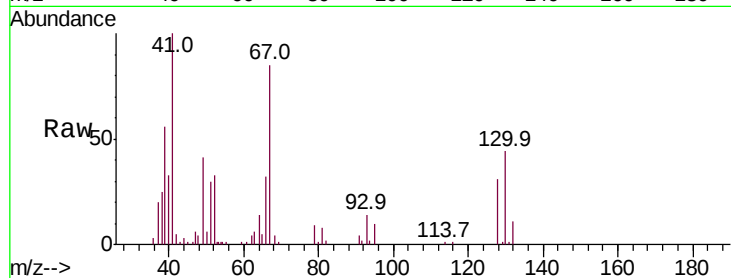
#41
Methacrylonitrile
Concen: 18.160 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	43.8	65.8	
67	80.5	66.6	100.0	
52	33.6	24.5	36.7	

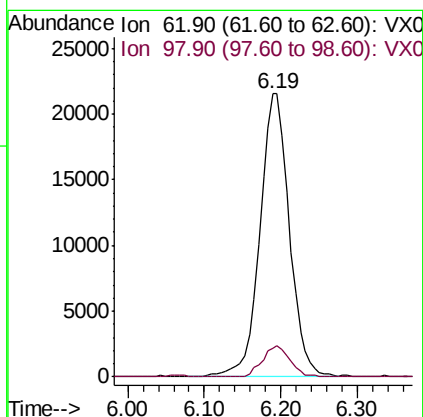
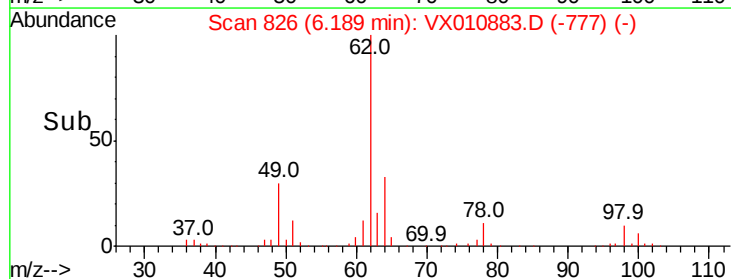
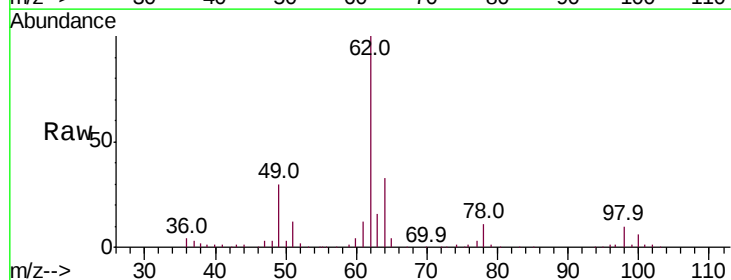
Manual Integrations
APPROVED

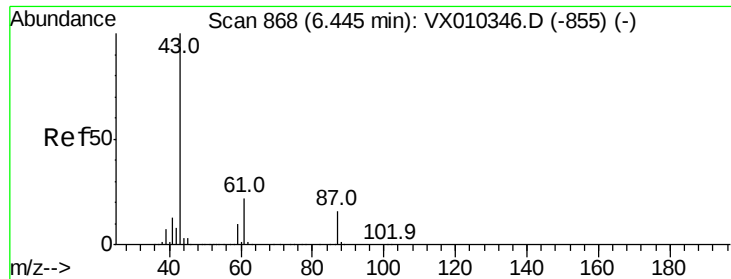
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#42
1,2-Dichloroethane
Concen: 19.334 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	22.2	





#43

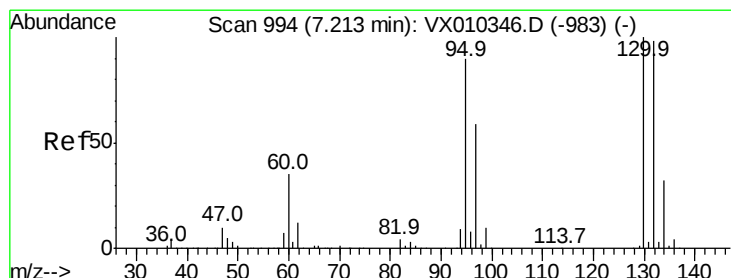
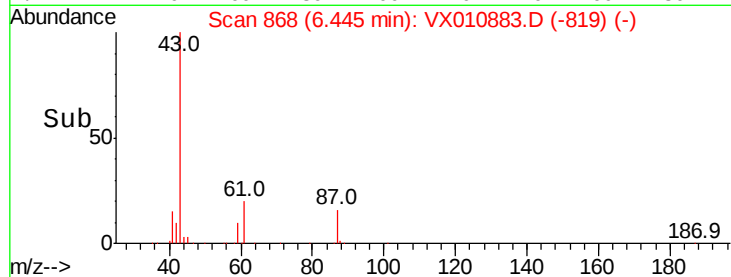
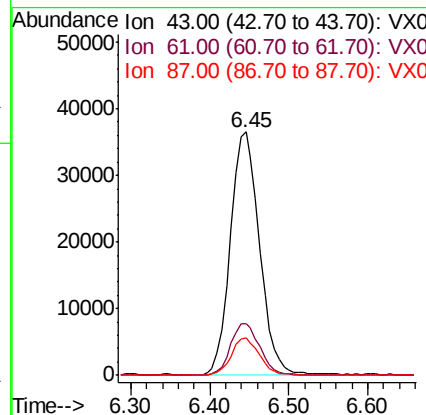
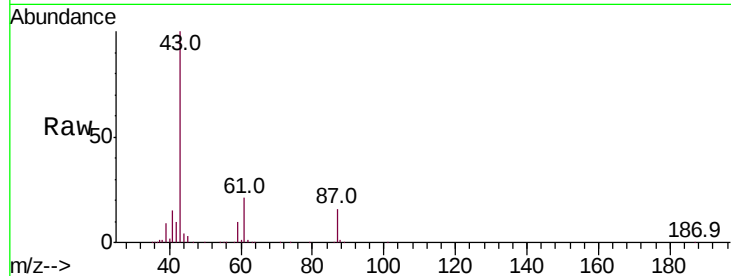
Isopropyl Acetate
 Concen: 17.374 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.8	26.6
87	15.0	13.0	19.4

Manual Integrations
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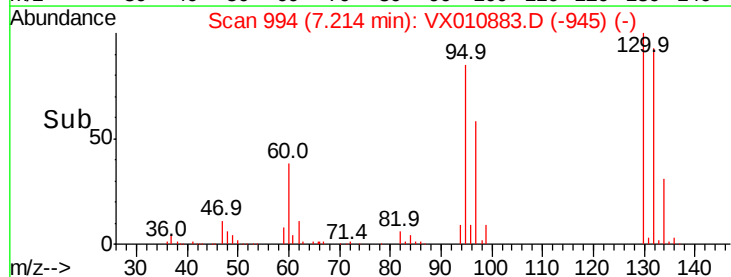
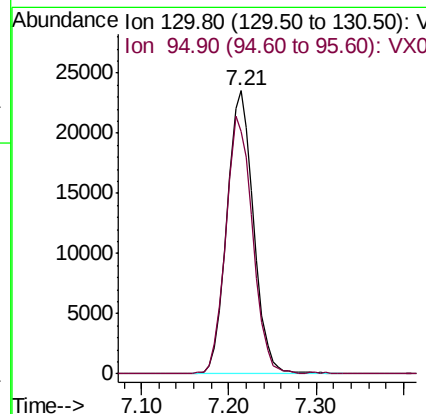
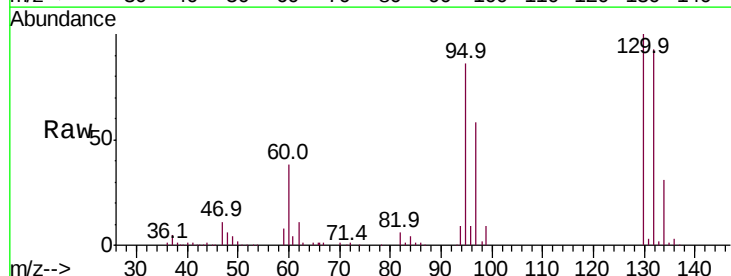
MMDadoda
 7/16/2019 10:44:18 AM

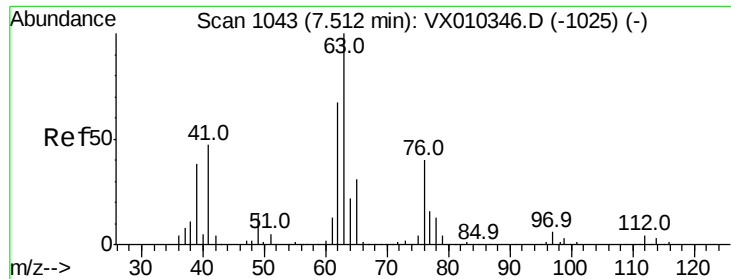


#44

Trichloroethene
 Concen: 16.847 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.6	0.0	180.8





#45

1,2-Dichloropropane

Concen: 17.599 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion: 63 Resp: 43737

Ion Ratio Lower Upper

63 100

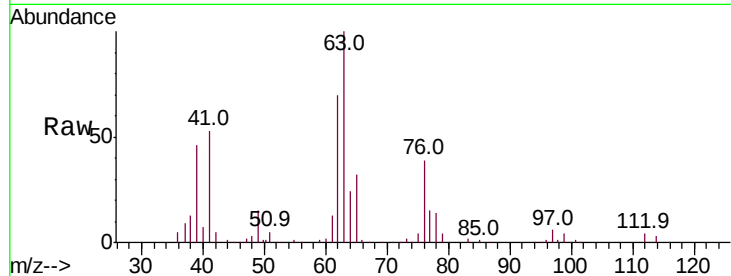
65 32.2 24.8 37.2

Manual Integrations

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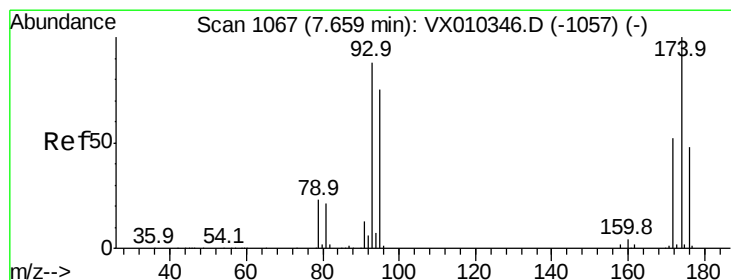
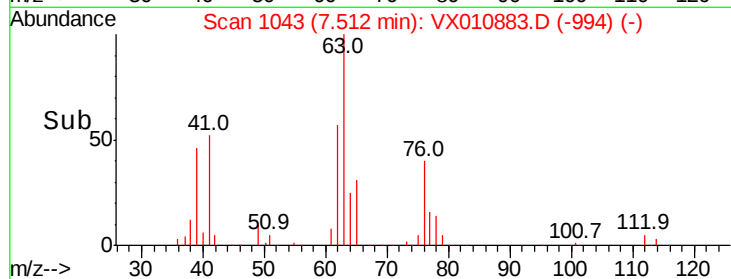
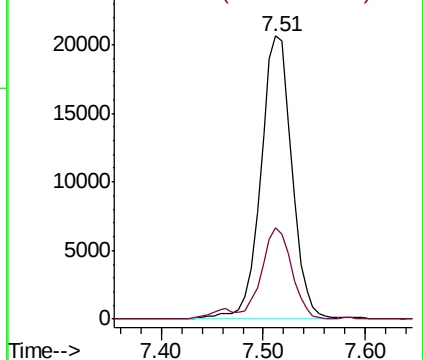
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.854 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

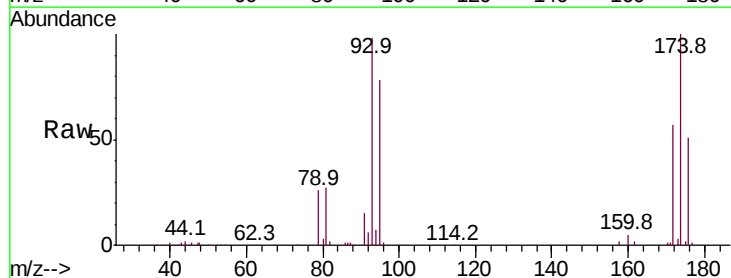
Tgt Ion: 93 Resp: 31834

Ion Ratio Lower Upper

93 100

95 81.5 67.5 101.3

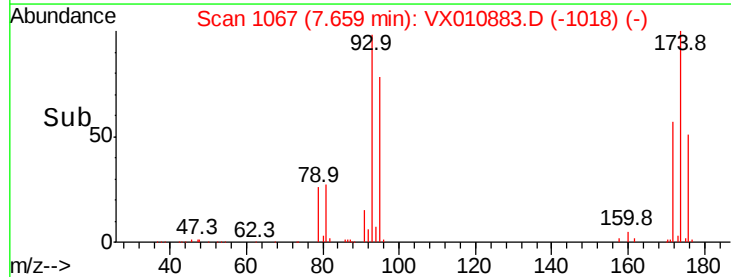
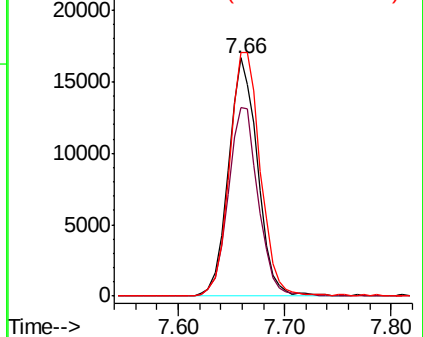
174 108.4 95.8 143.6

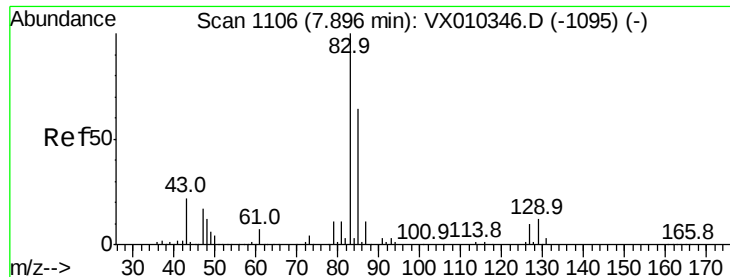


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.039 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

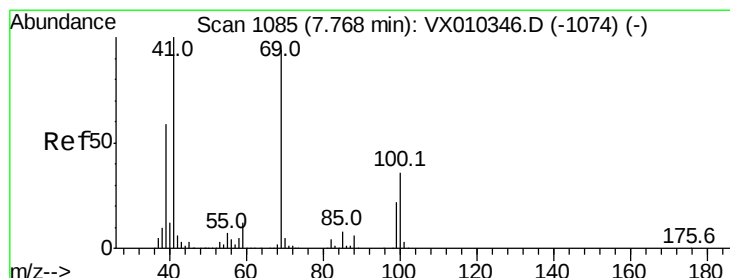
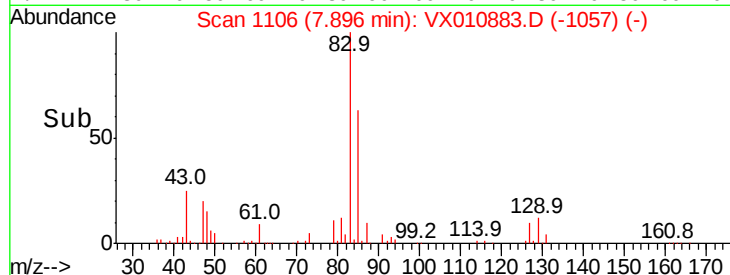
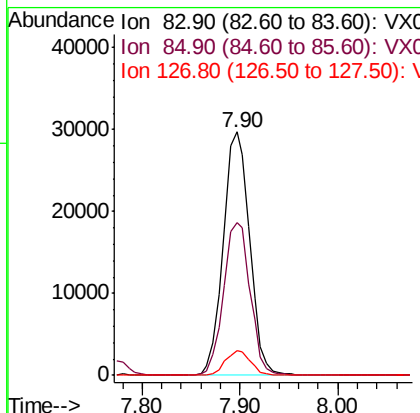
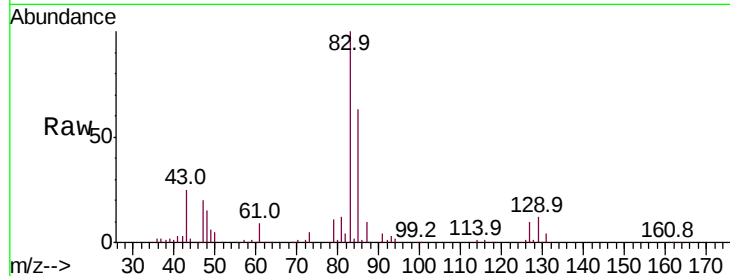
ClientSampleId :

VX0715WBS02

Tot Ion:	83	Resp:	55677
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.5	77.3
127	9.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.857 ug/l

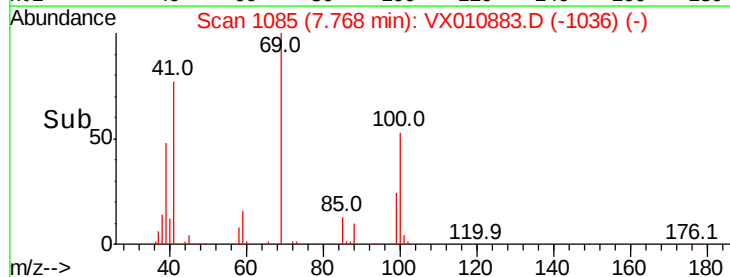
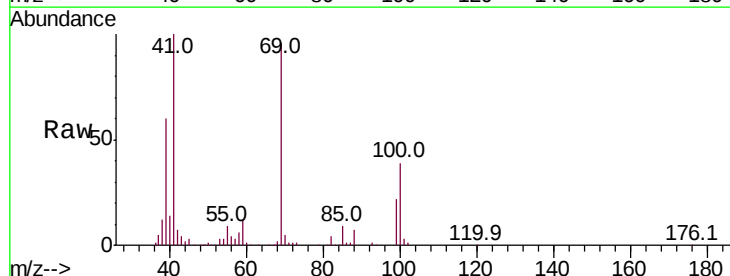
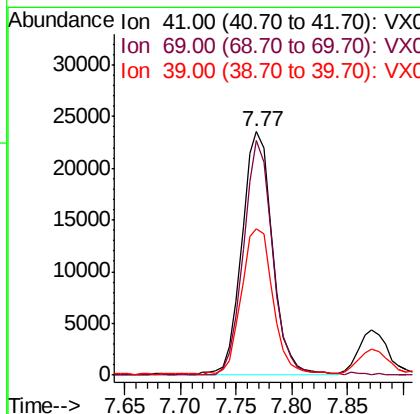
RT: 7.77 min Scan# 1085

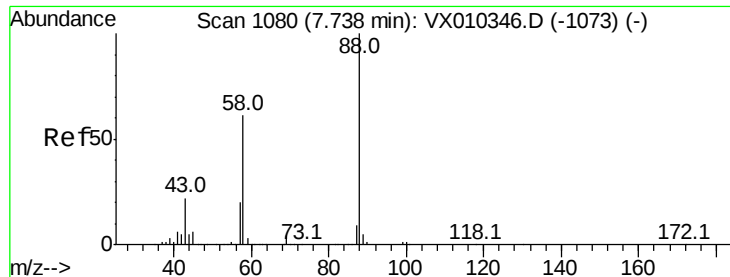
Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Tgt Ion:	41	Resp:	44625
Ion	Ratio	Lower	Upper
41	100		
69	92.5	76.1	114.1
39	62.0	47.6	71.4





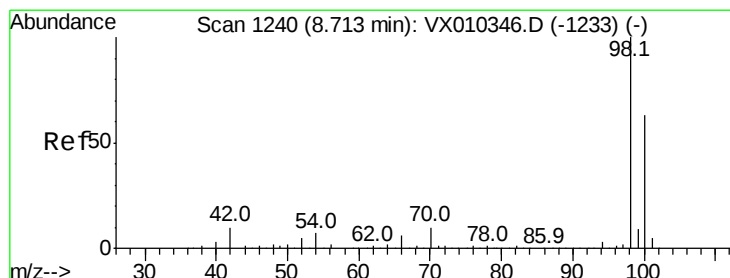
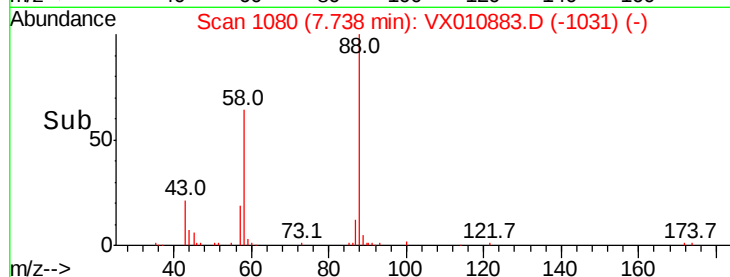
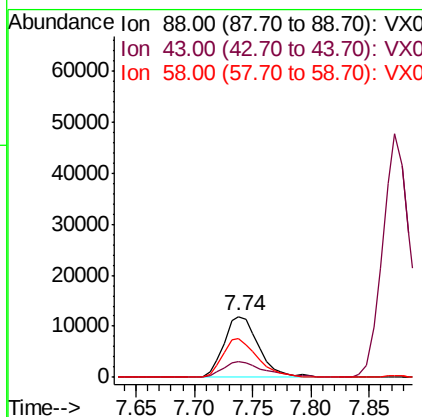
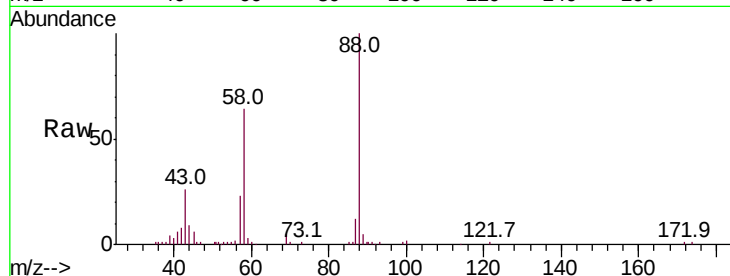
#49
1,4-Dioxane
Concen: 343.865 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	20.2	30.2
58	63.8	49.5	74.3

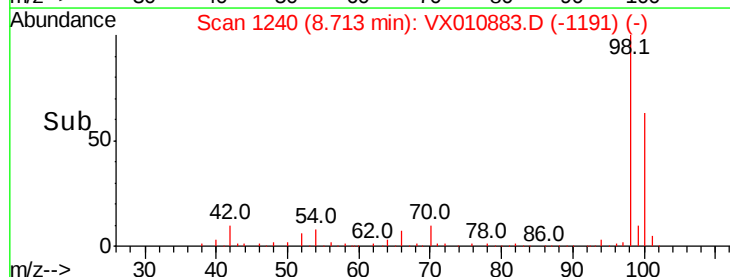
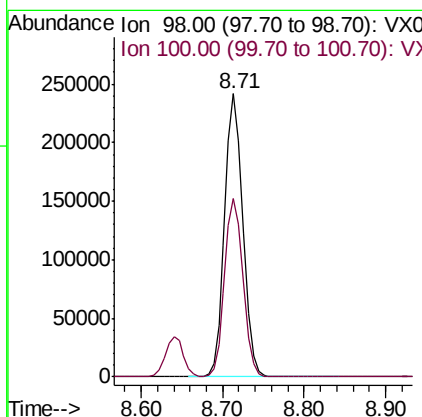
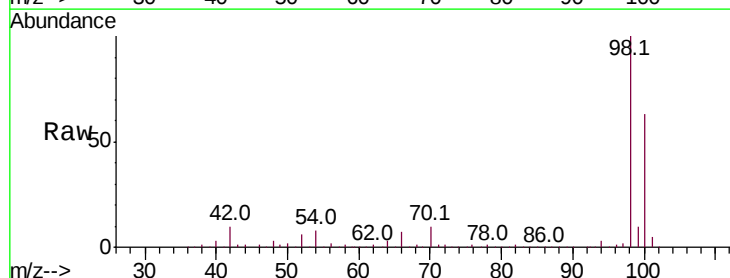
Manual Integrations
APPROVED

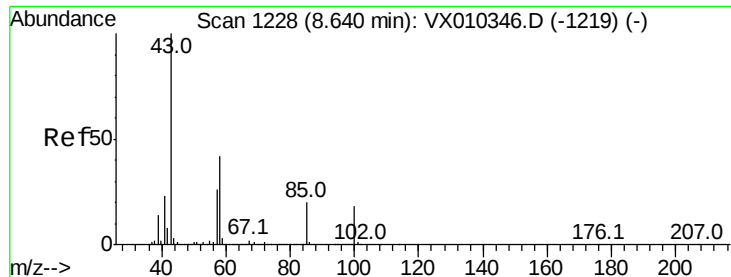
MMDadoda
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#50
Toluene-d8
Concen: 39.992 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 90.816 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampled :

VX0715WBS02

Tot Ion: 43 Resp: 312273

Ion Ratio Lower Upper

43 100

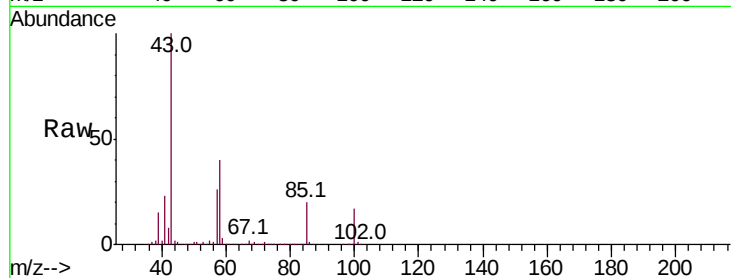
58 40.1 33.5 50.3

Manual Integrations

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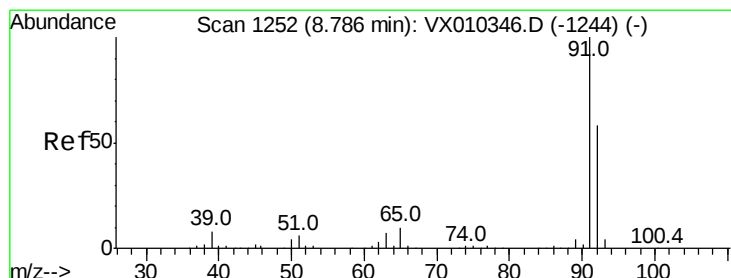
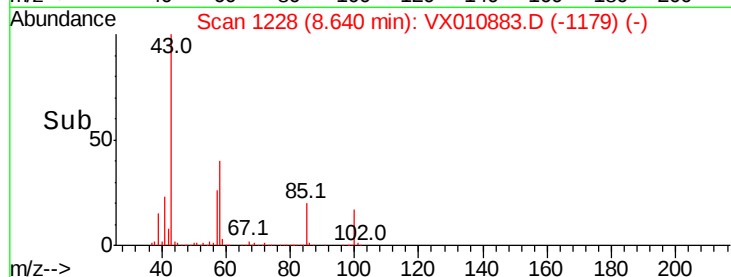
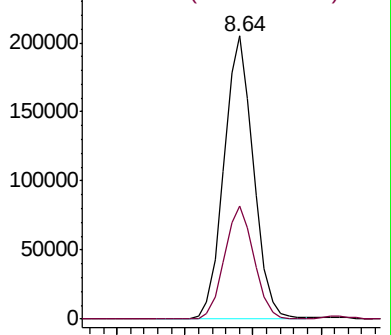
MMDadoda

7/16/2019 10:44:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.217 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010883.D

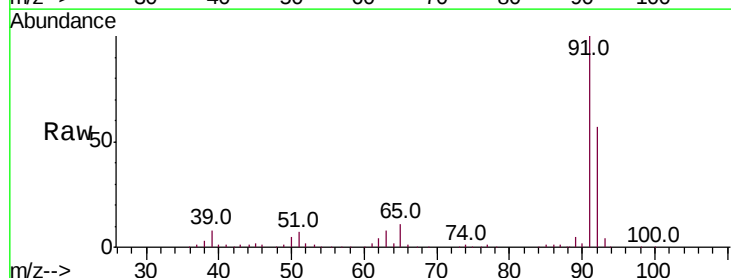
Acq: 15 Jul 2019 14:41

Tgt Ion: 92 Resp: 111580

Ion Ratio Lower Upper

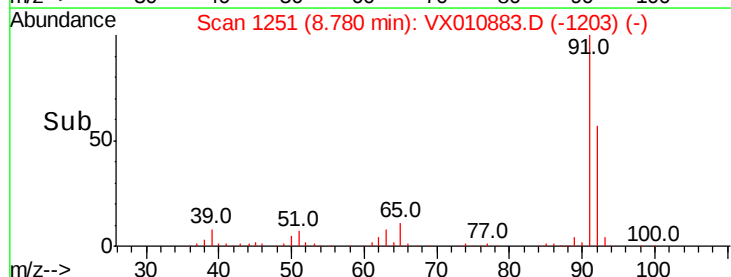
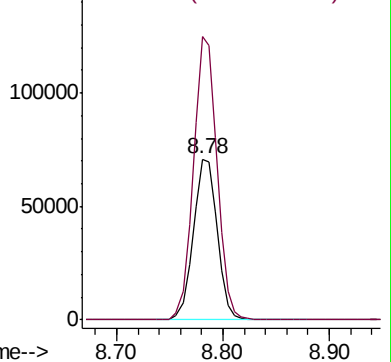
92 100

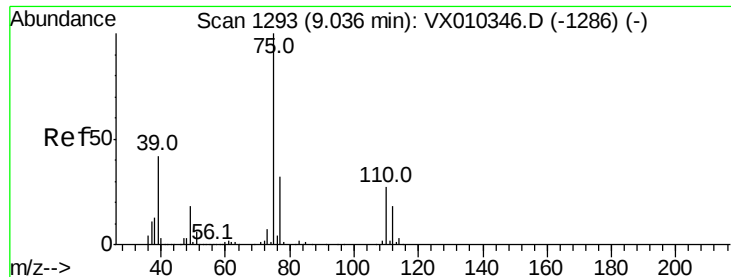
91 173.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





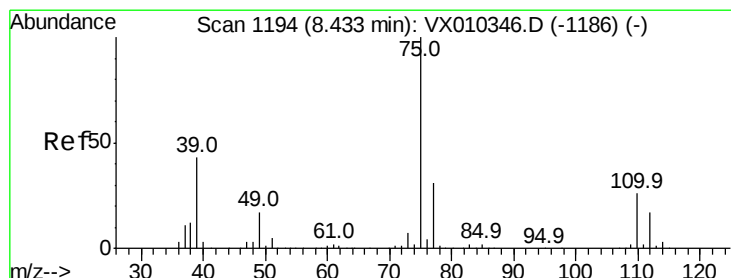
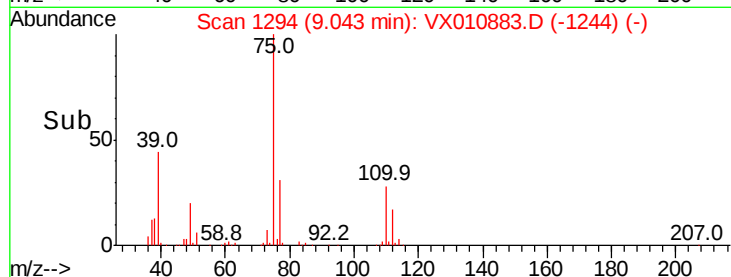
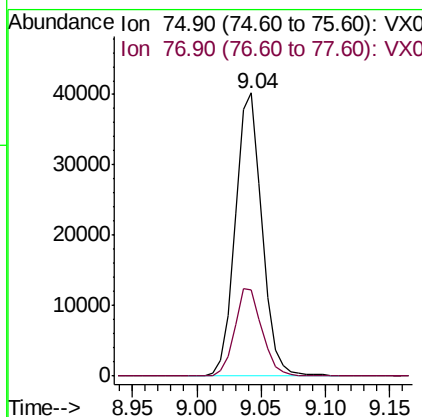
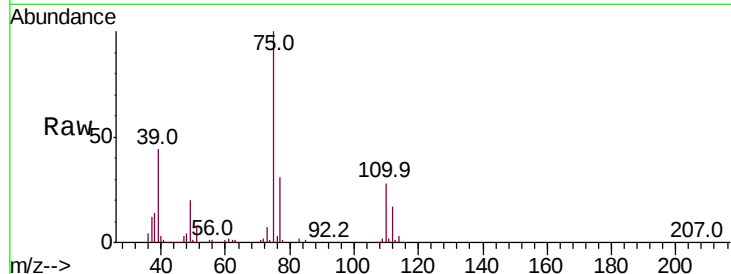
#53
 t-1,3-Dichloropropene
 Concen: 15.808 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion: 75 Resp: 57913
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.2

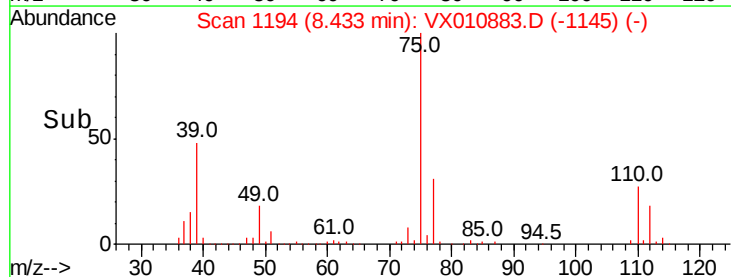
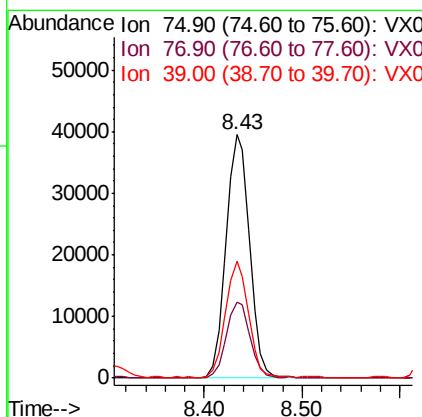
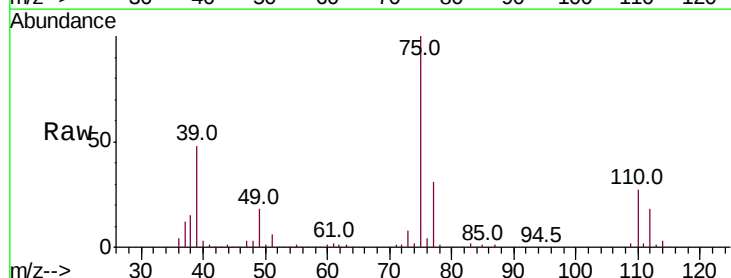
Manual Integrations
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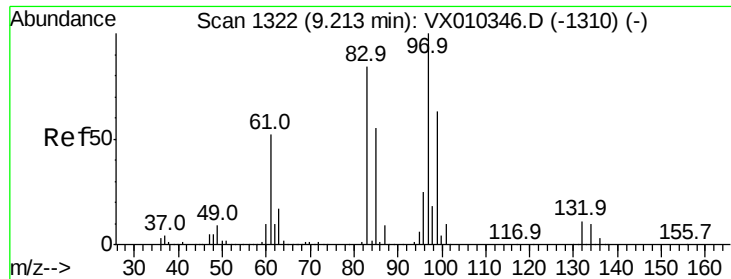
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 16.557 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion: 75 Resp: 65916
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8
 39 47.5 34.5 51.7





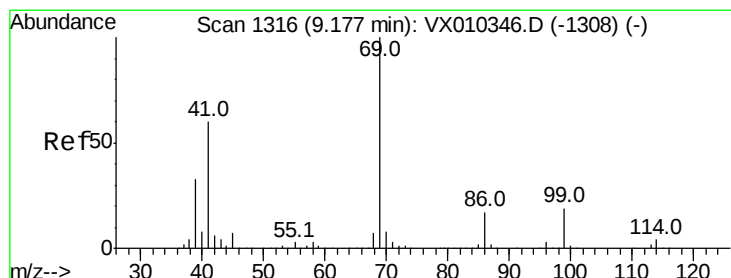
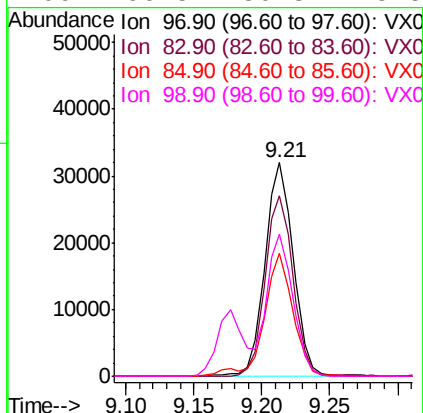
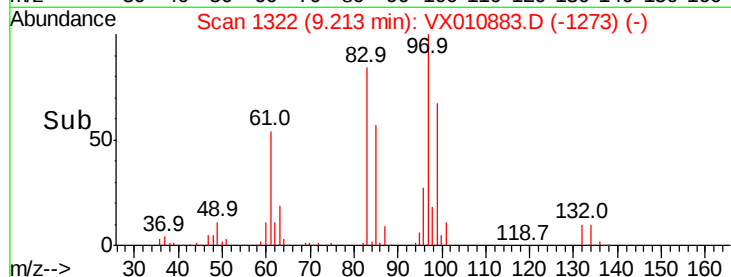
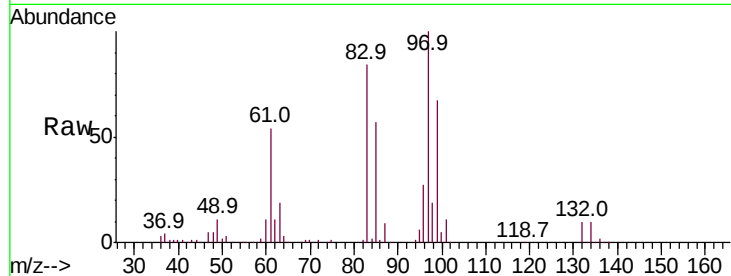
#55
 1,1,2-Trichloroethane
 Concen: 17.440 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		46612		
83	84.3	67.4	101.0		
85	57.5	43.8	65.8		
99	66.5	50.3	75.5		

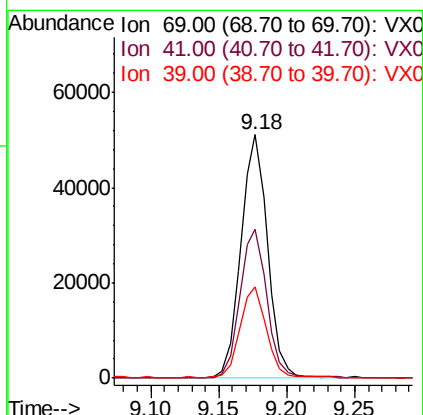
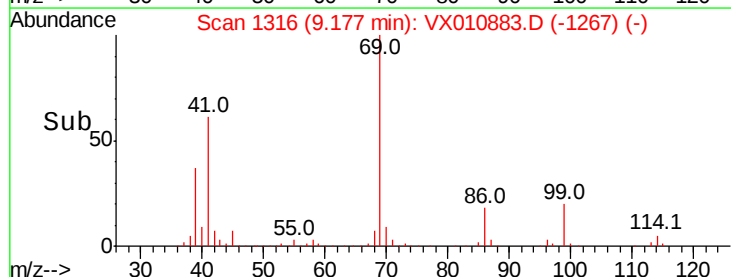
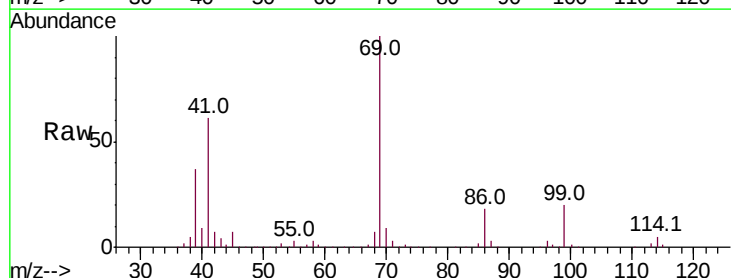
Manual Integrations
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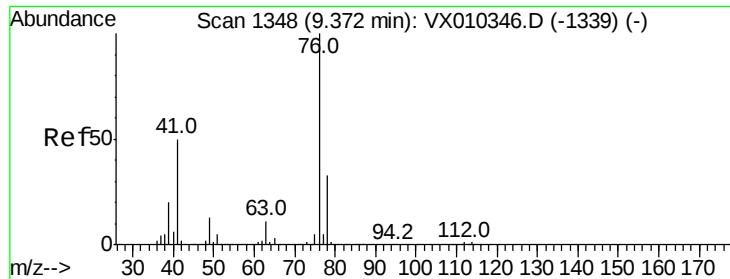
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#56
 Ethyl methacrylate
 Concen: 17.233 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		69776		
41	61.6	47.1	70.7		
39	36.9	26.6	40.0		





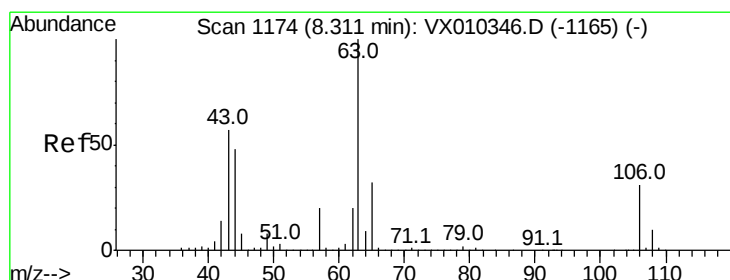
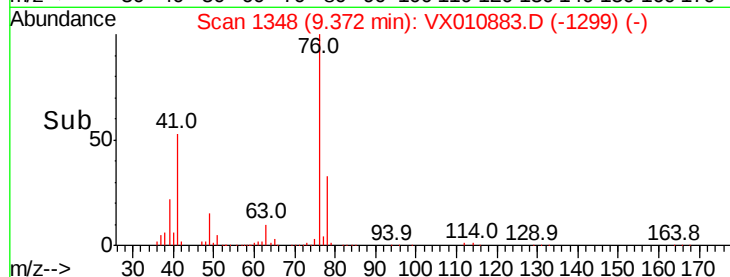
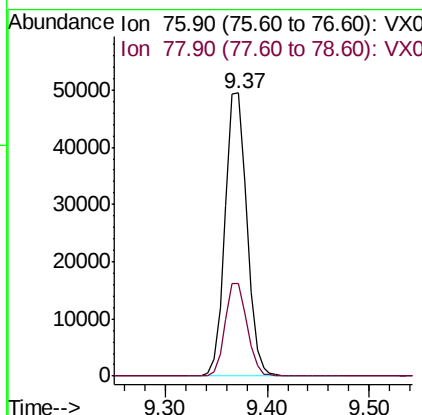
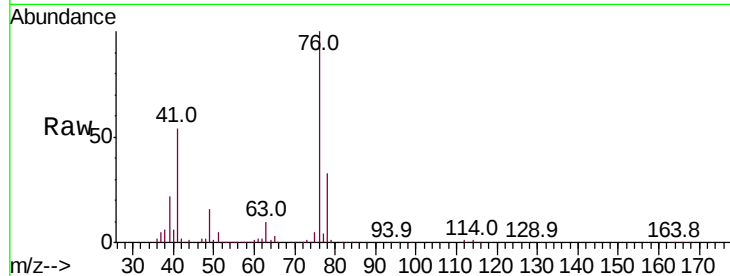
#57
 1,3-Dichloropropane
 Concen: 17.675 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion: 76 Resp: 73331
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.1 39.1

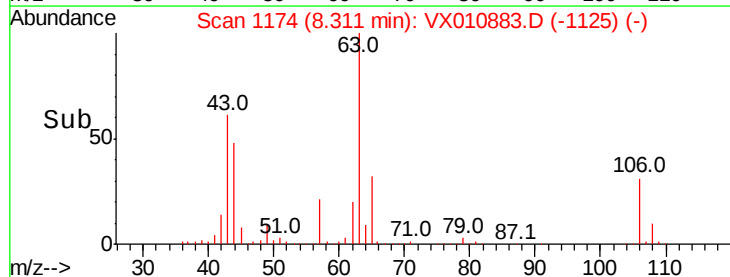
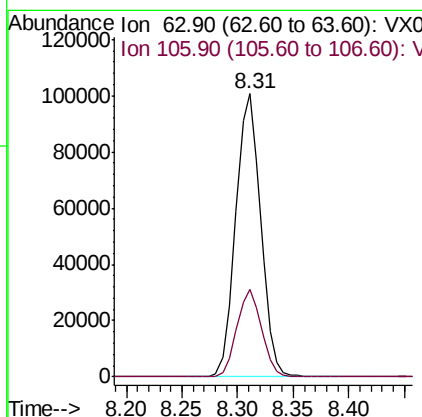
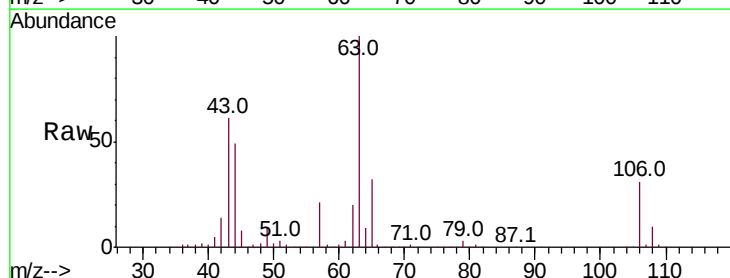
Manual Integrations
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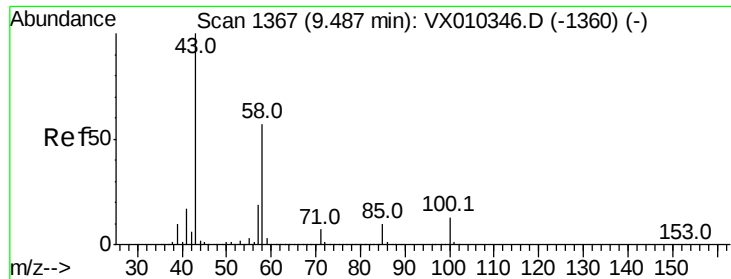
MMDadoda
 7/16/2019 10:44:18 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.444 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion: 63 Resp: 156610
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.7 37.1





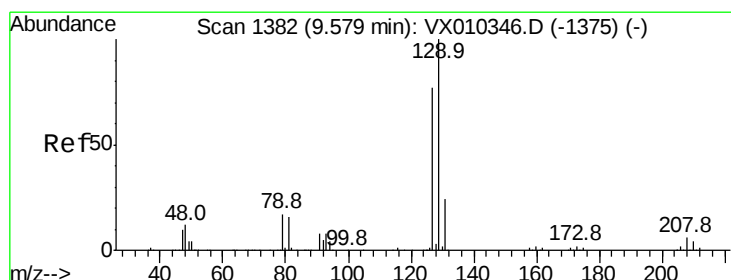
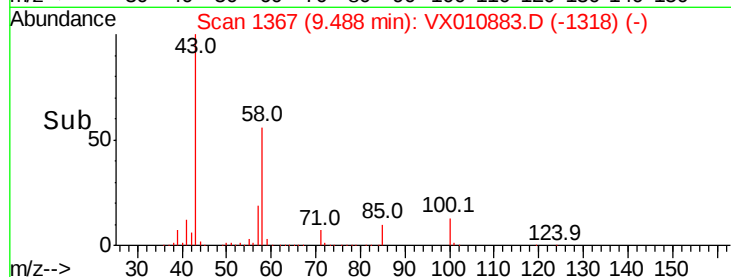
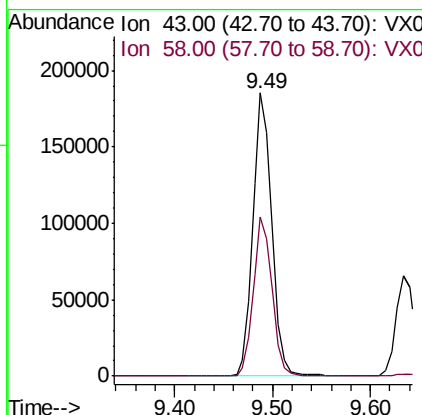
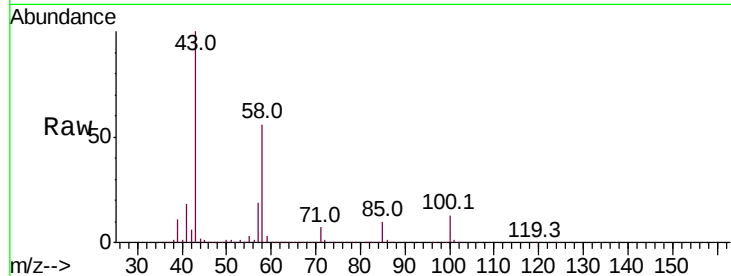
#59
2-Hexanone
Concen: 91.234 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion: 43 Resp: 246901
Ion Ratio Lower Upper
43 100
58 55.9 29.0 87.1

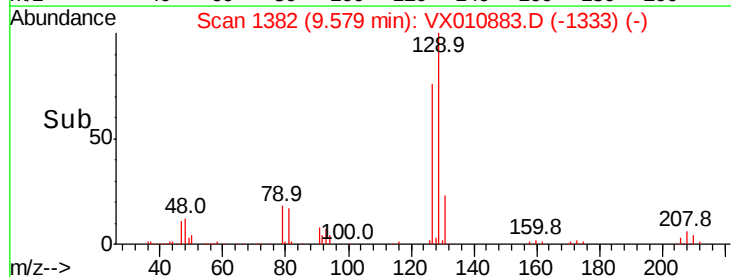
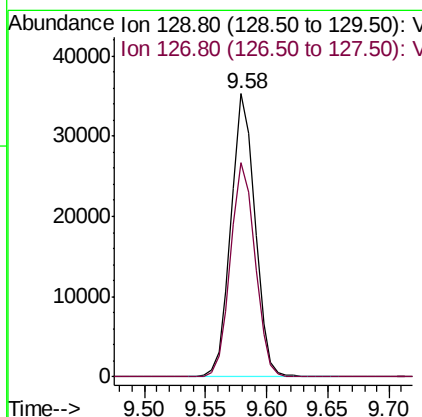
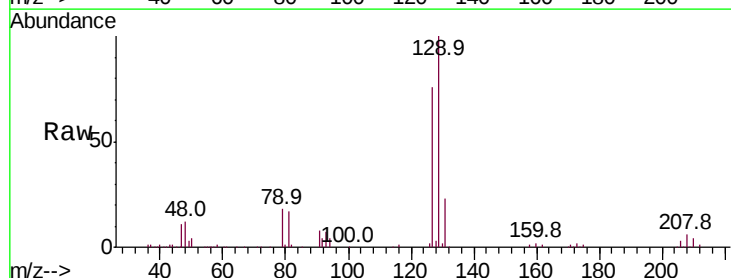
Manual Integrations
APPROVED

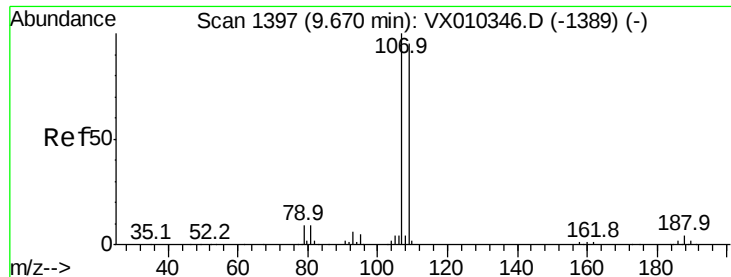
MMDadoda
7/16/2019 10:44:18 AM



#60
Dibromochloromethane
Concen: 16.024 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion: 129 Resp: 47954
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.1





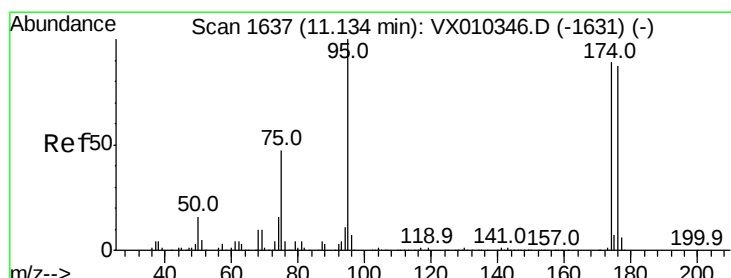
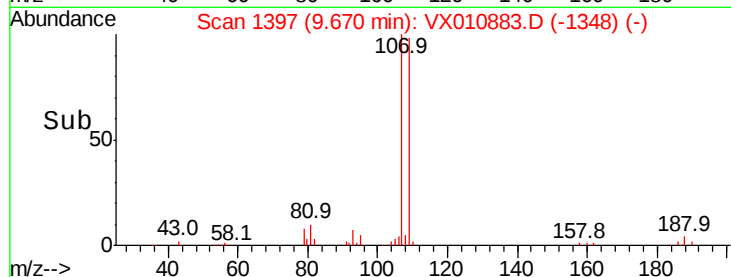
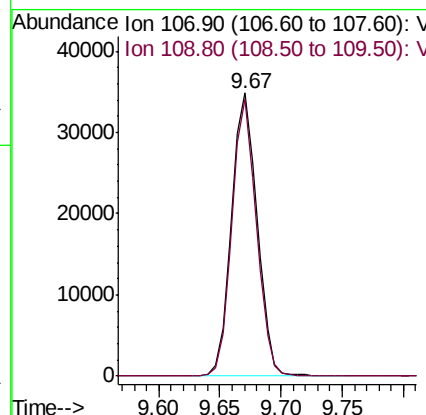
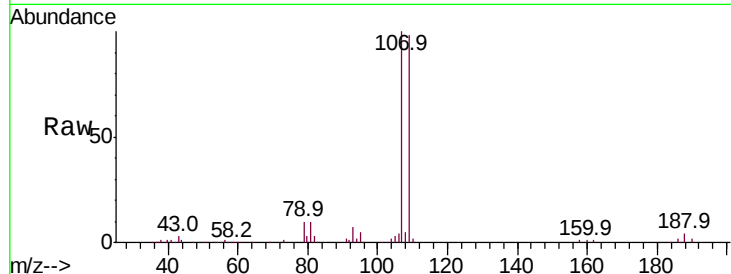
#61
 1,2-Dibromoethane
 Concen: 17.423 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.6

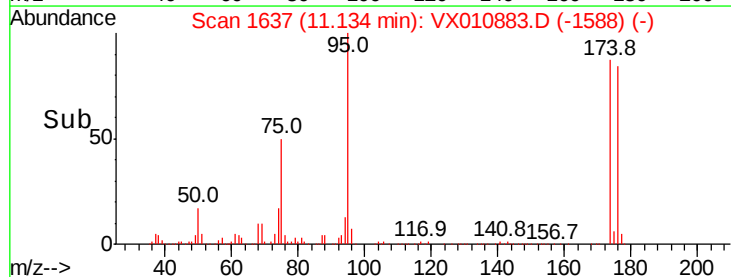
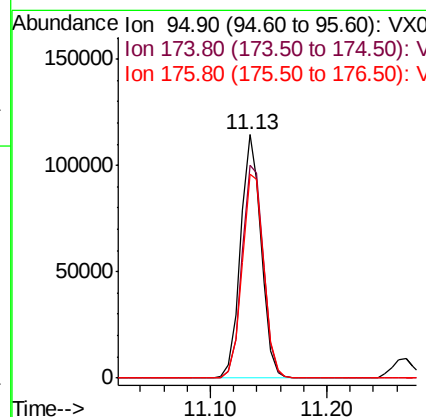
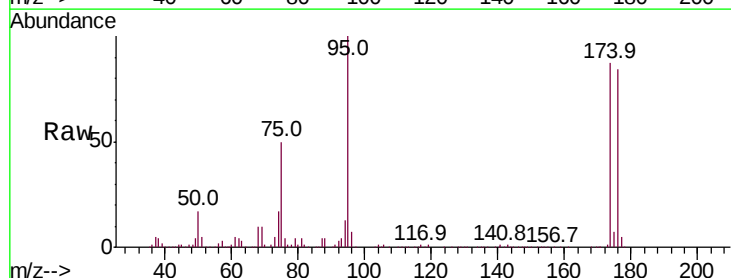
Manual Integrations
 APPROVED

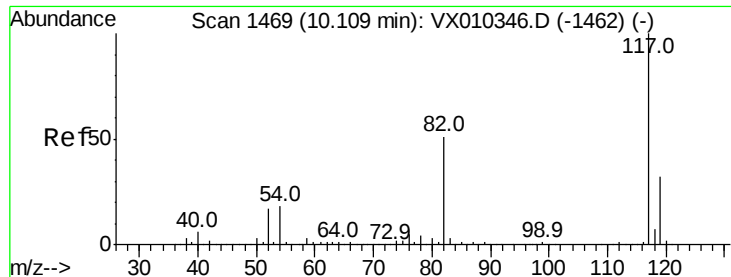
MMDadoda
 7/16/2019 10:44:18 AM



#62
 4-Bromofluorobenzene
 Concen: 41.987 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	187.6
176	87.9	0.0	184.0





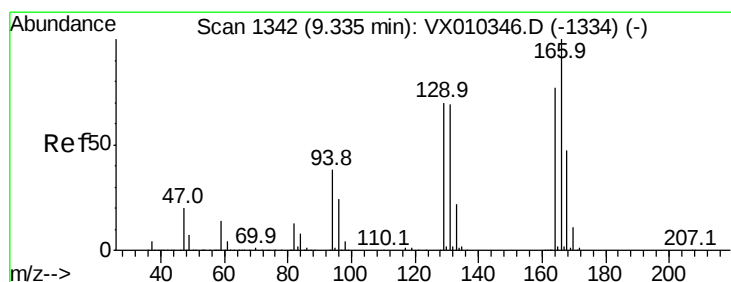
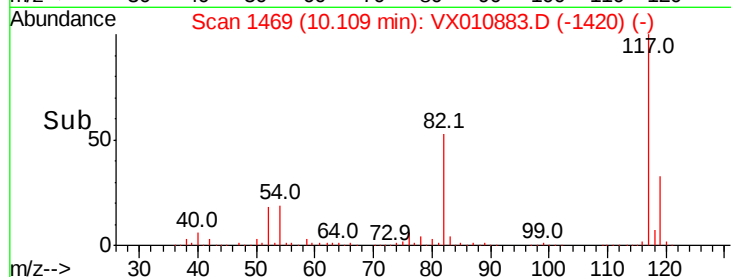
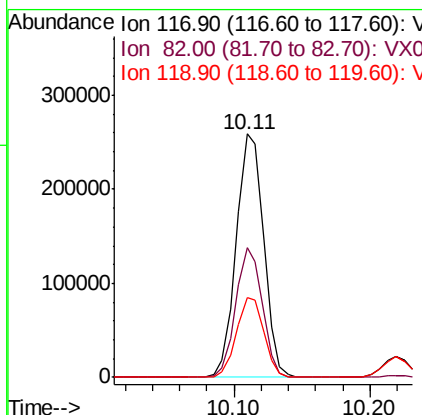
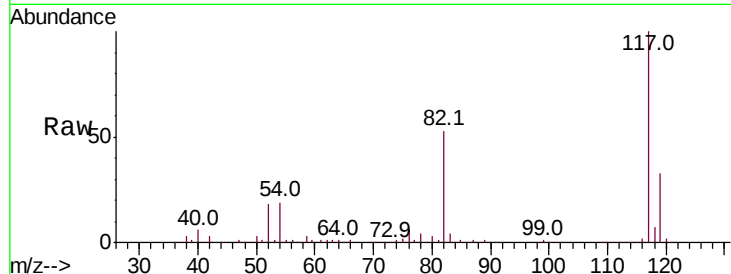
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.2	61.8
119	32.5	25.5	38.3

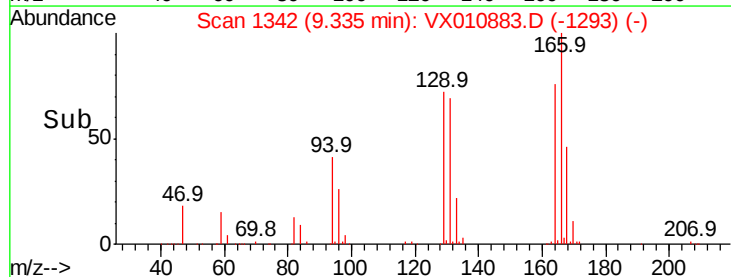
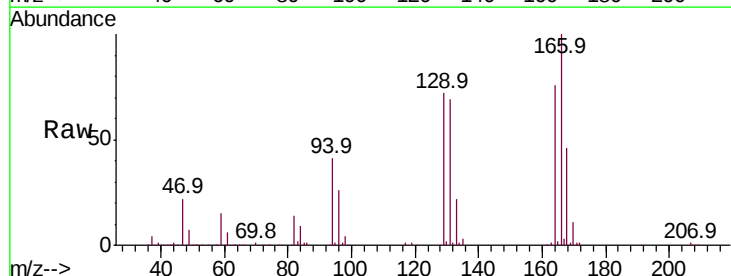
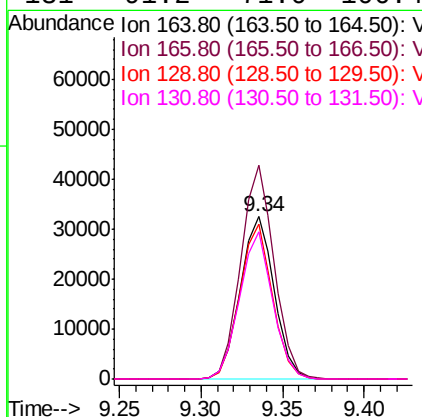
Manual Integrations
APPROVED

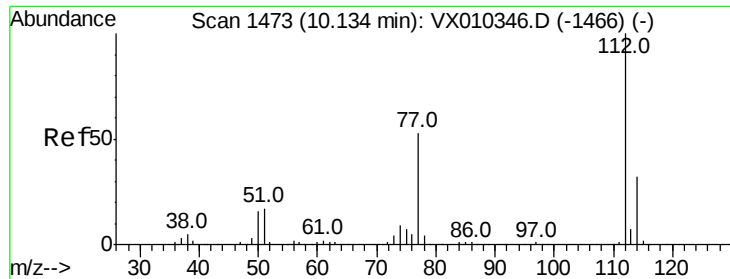
MMDadoda
7/16/2019 10:44:18 AM



#64
Tetrachloroethene
Concen: 16.024 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	103.6	155.4
129	95.2	73.0	109.4
131	91.2	71.0	106.4





#65

Chlorobenzene

Concen: 16.955 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampled :

VX0715WBS02

Tot Ion:112 Resp: 125117

Ion Ratio Lower Upper

112 100

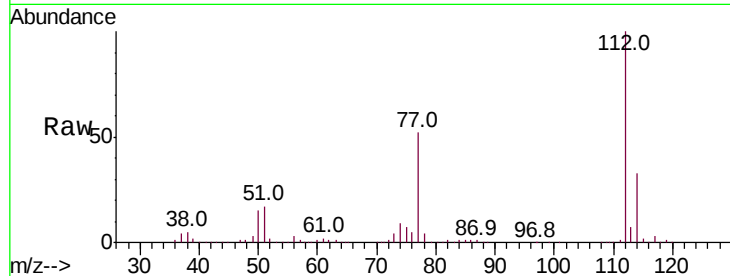
114 32.7 25.4 38.2

Manual Integrations

APPROVED

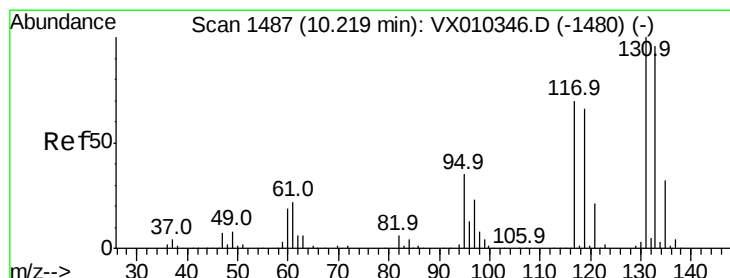
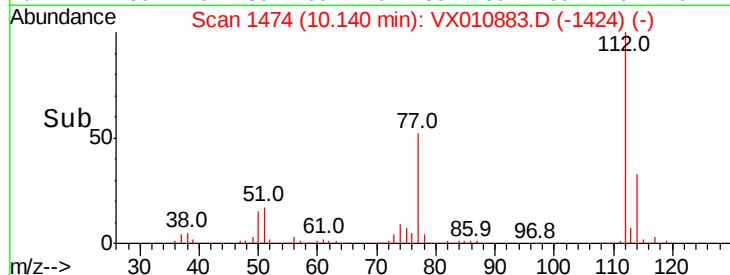
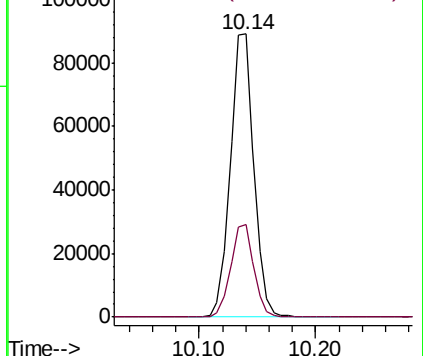
MMDadoda

7/16/2019 10:44:18 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.540 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

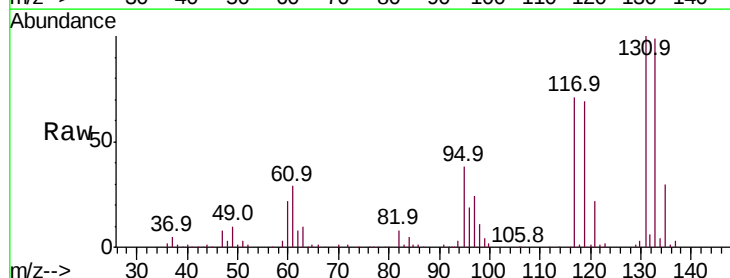
Tgt Ion:131 Resp: 44458

Ion Ratio Lower Upper

131 100

133 95.9 47.7 143.1

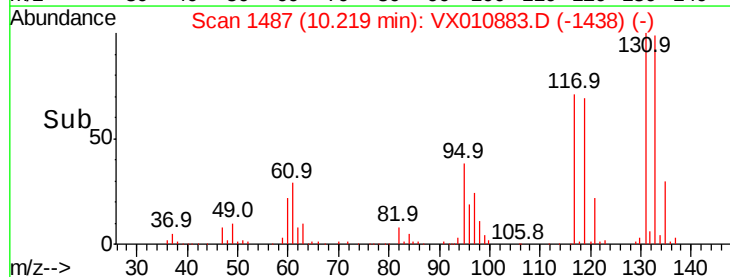
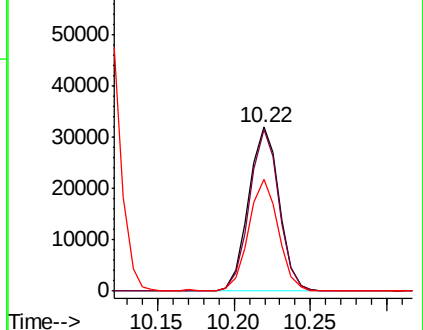
119 66.4 32.6 97.7

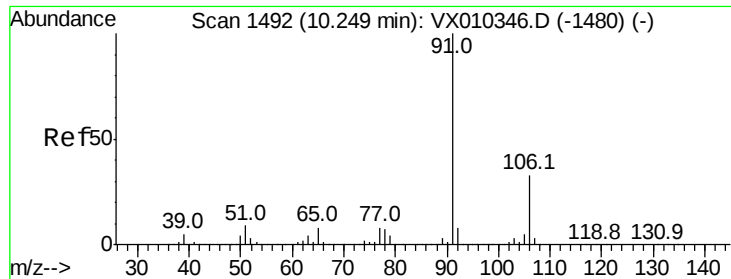


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





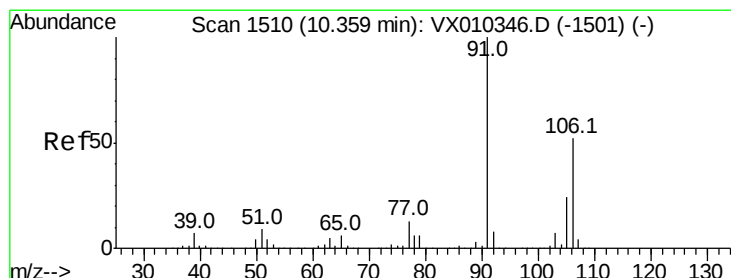
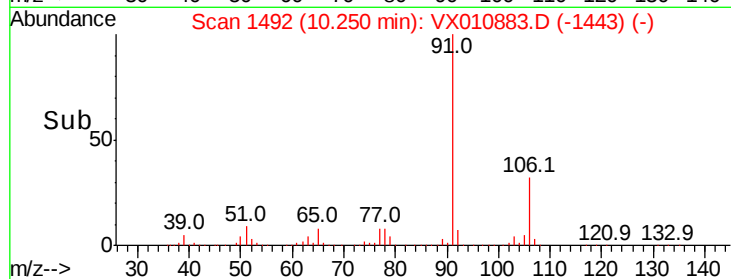
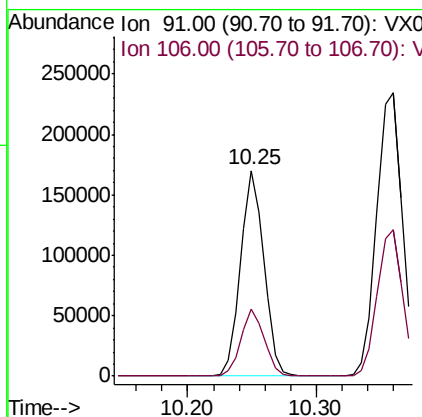
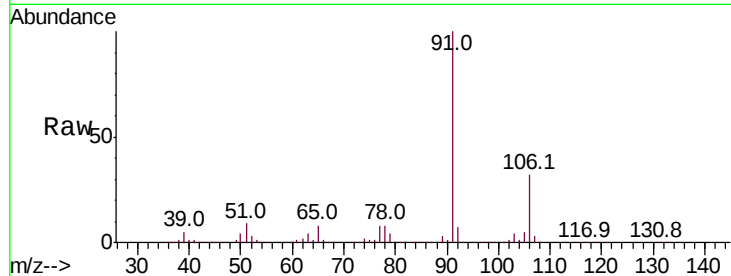
#67
Ethyl Benzene
Concen: 17.184 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion: 91 Resp: 214082
Ion Ratio Lower Upper
91 100
106 32.4 26.2 39.2

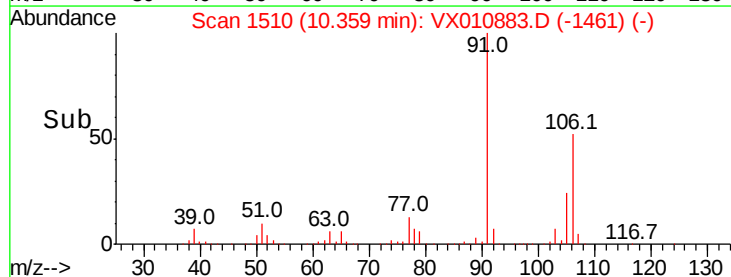
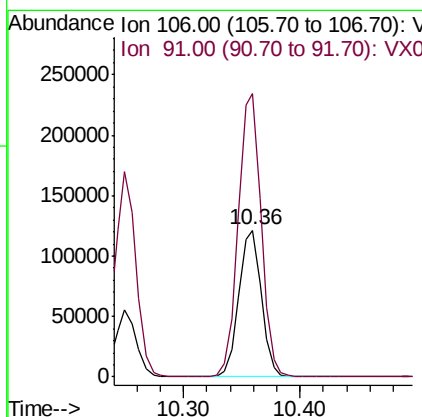
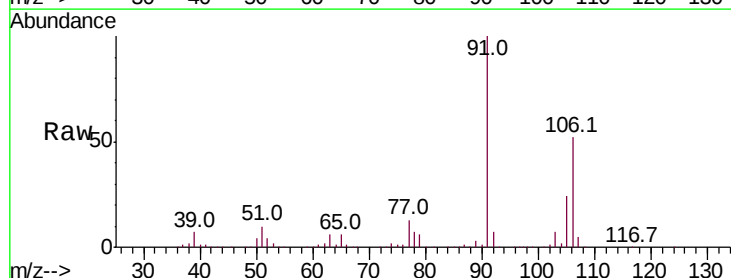
Manual Integrations
APPROVED

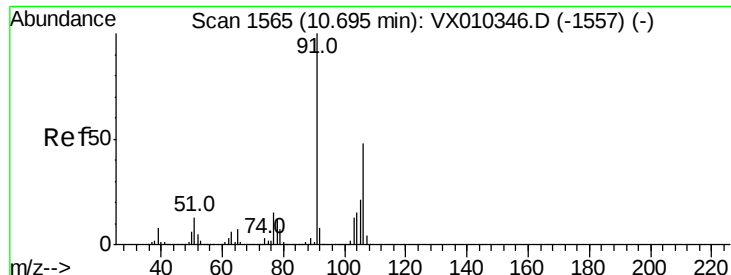
MMDadoda
7/16/2019 10:44:18 AM



#68
m/p-Xylenes
Concen: 34.158 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion: 106 Resp: 164883
Ion Ratio Lower Upper
106 100
91 195.3 155.3 232.9





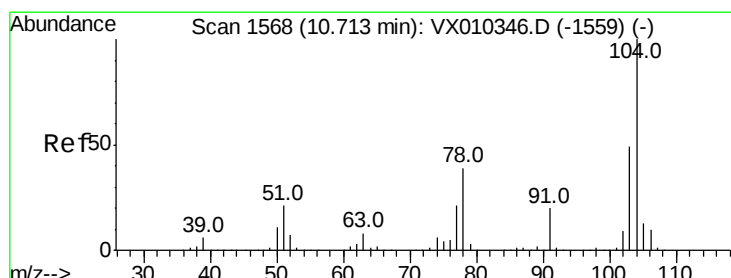
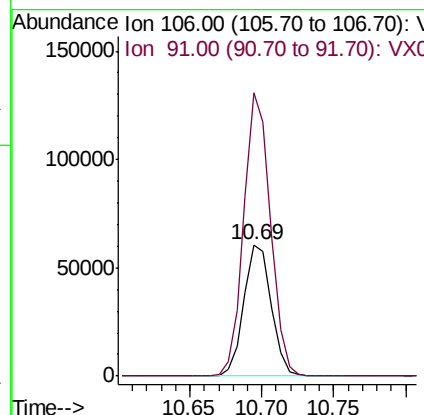
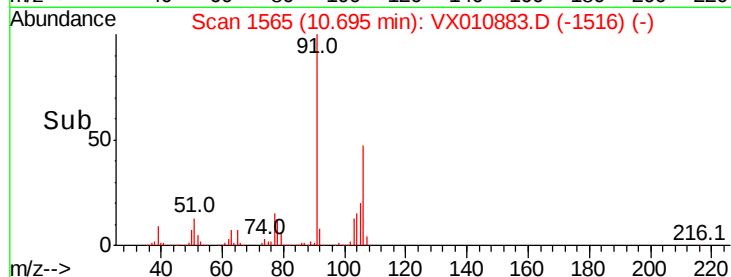
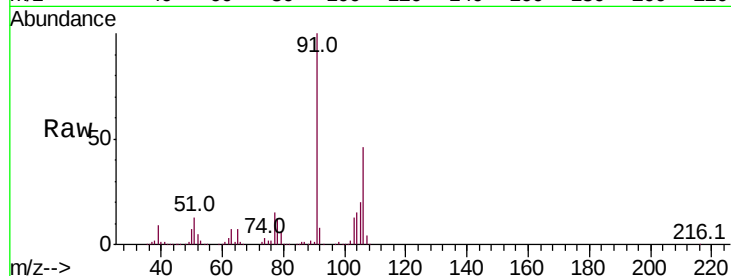
#69
o-Xylene
Concen: 16.961 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampled :
VX0715WBS02

Tot Ion:106 Resp: 80512
Ion Ratio Lower Upper
106 100
91 208.8 102.7 308.1

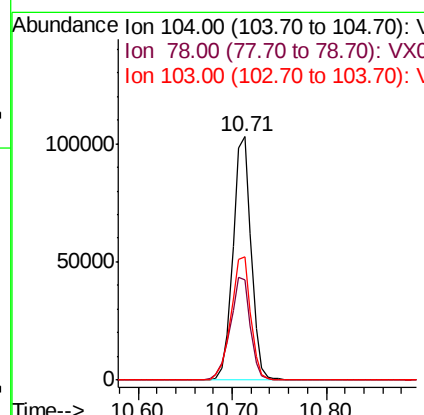
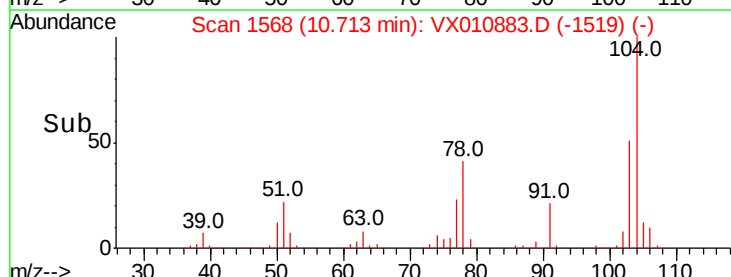
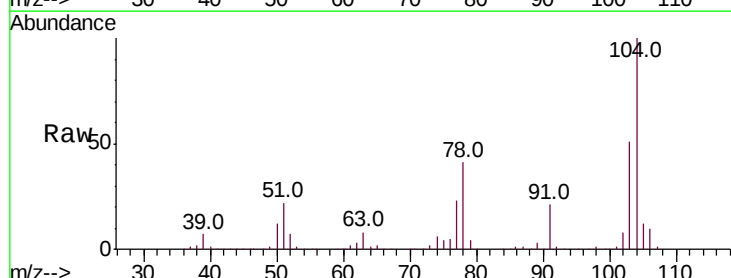
Manual Integrations
APPROVED

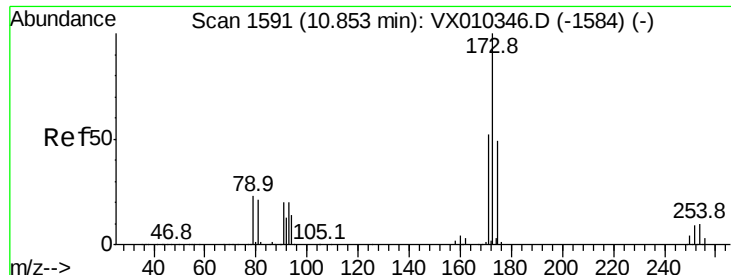
MMDadoda
7/16/2019 10:44:18 AM



#70
Styrene
Concen: 17.246 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion:104 Resp: 137295
Ion Ratio Lower Upper
104 100
78 46.7 36.2 54.2
103 55.1 44.2 66.4





#71

Bromoform

Concen: 15.030 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion:173 Resp: 35132

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.3

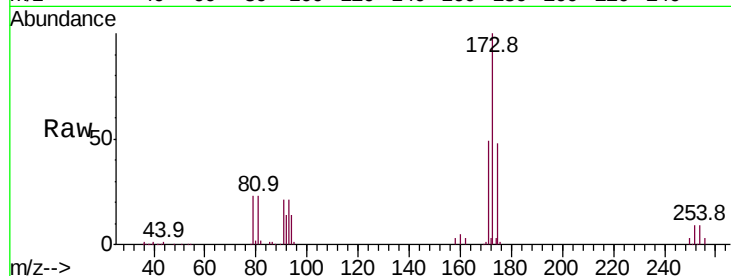
254 0.0 0.2 0.2#

Manual Integrations

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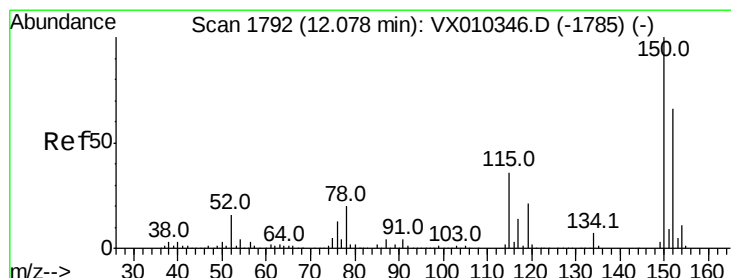
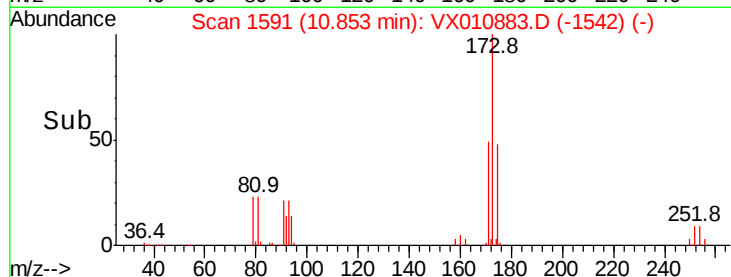
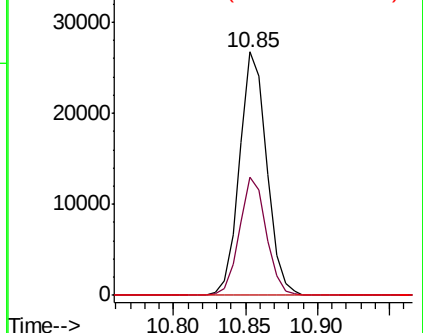
7/16/2019 10:44:18 AM



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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

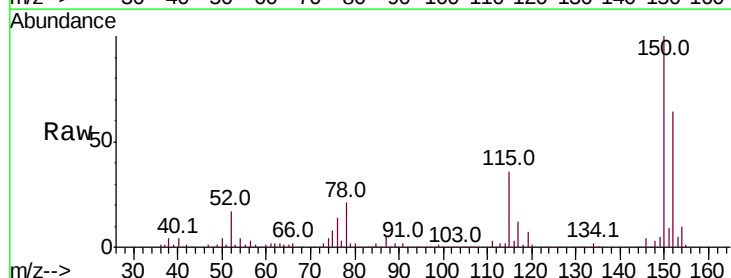
Tgt Ion:152 Resp: 184807

Ion Ratio Lower Upper

152 100

115 64.9 38.6 115.7

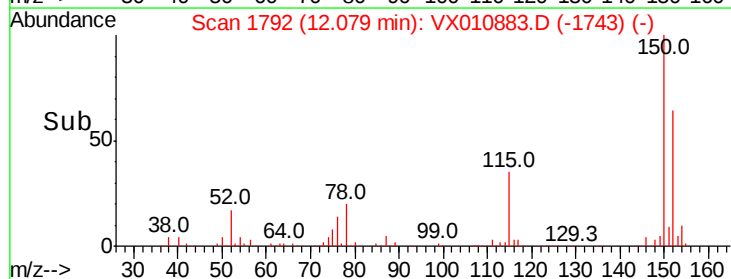
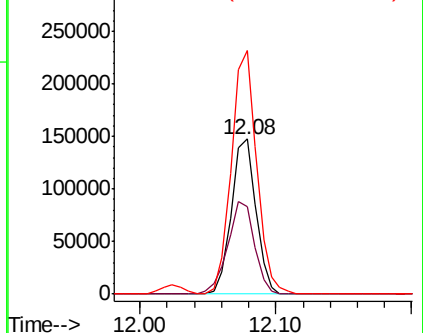
150 161.8 0.0 347.4

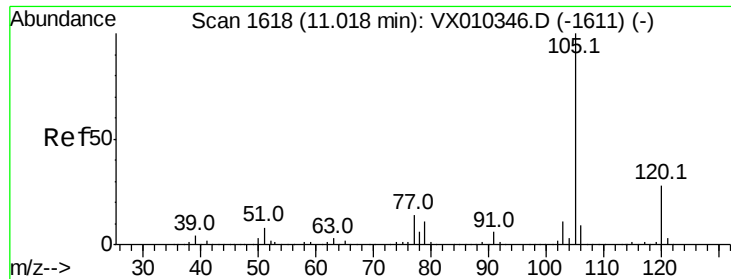


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





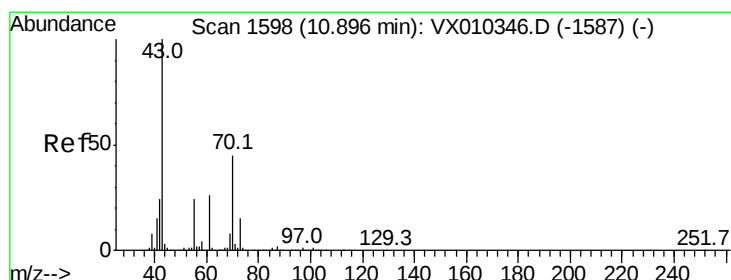
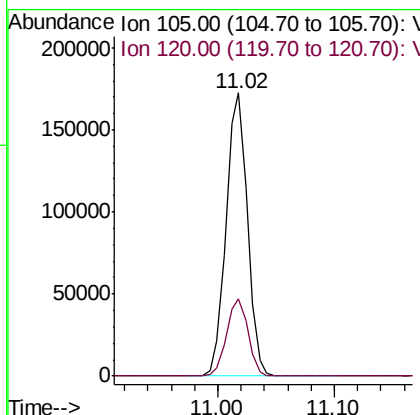
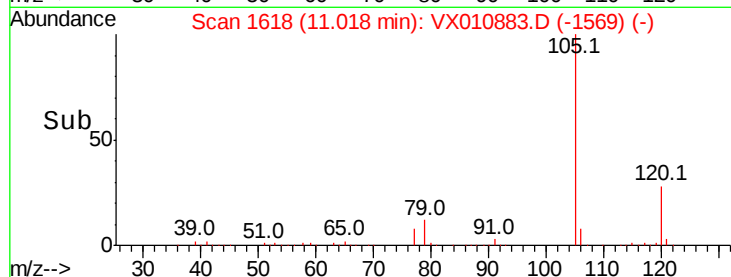
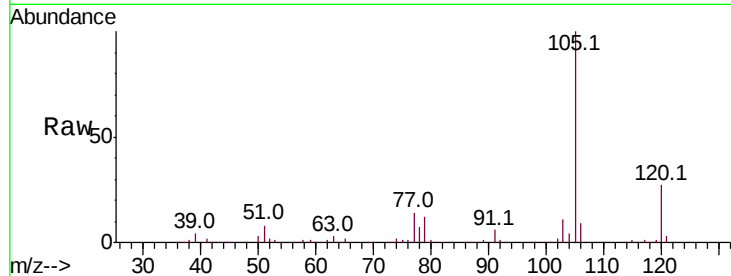
#73
Isopropylbenzene
Concen: 17.413 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	14.1	42.4

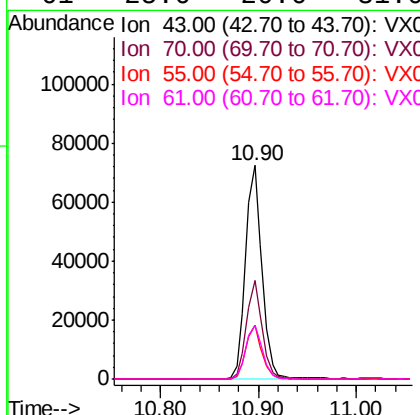
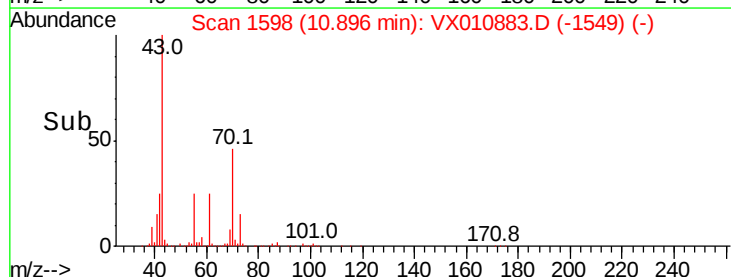
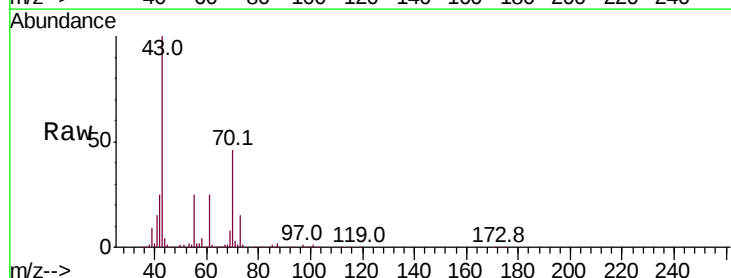
Manual Integrations
APPROVED

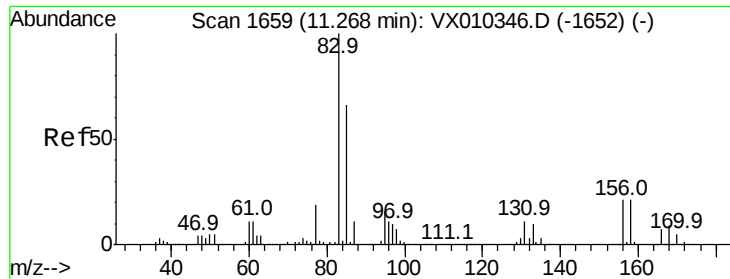
MMDadoda
7/16/2019 10:44:18 AM



#74
N-ethyl acetate
Concen: 17.950 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.8	36.6	54.8
55	24.0	18.7	28.1
61	25.6	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.580 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

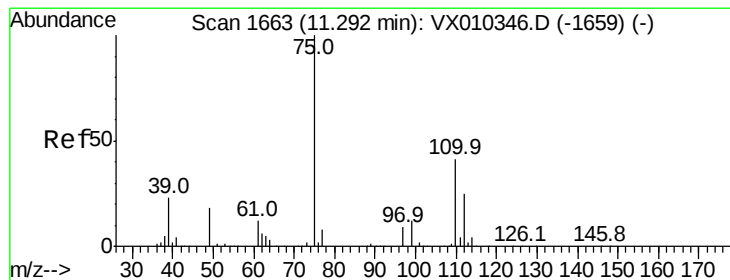
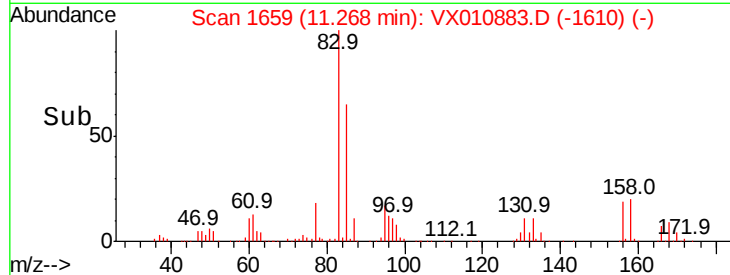
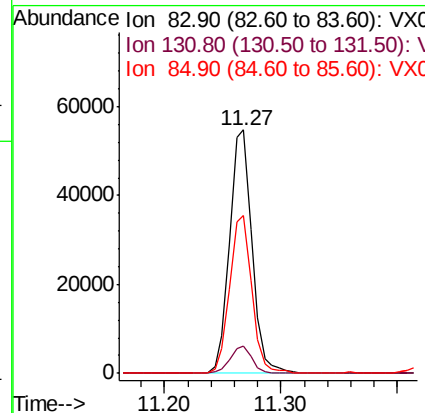
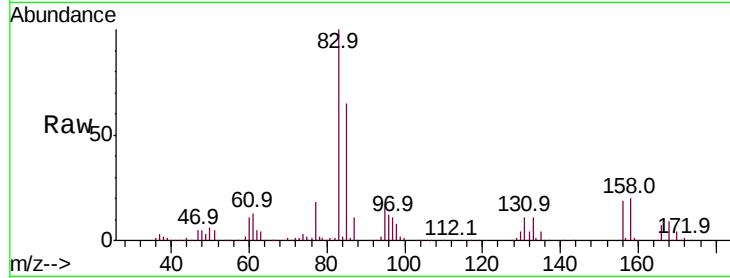
ClientSampleId :

VX0715WBS02

Tot Ion:	83	Resp:	72935
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.4	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.733 ug/l m

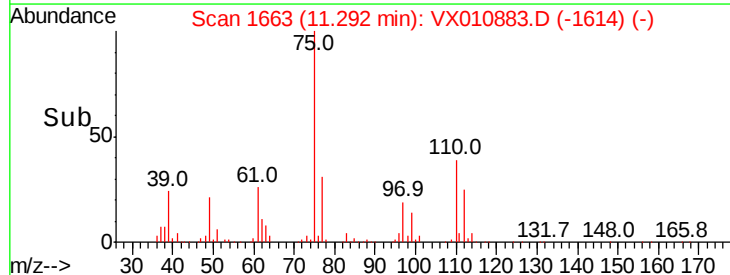
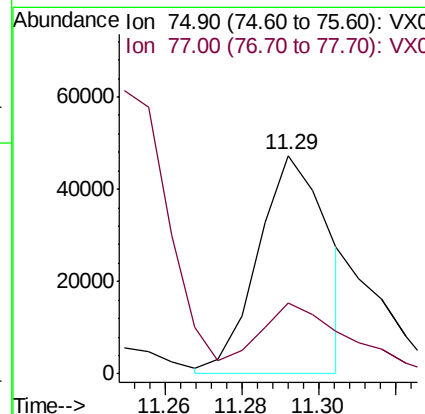
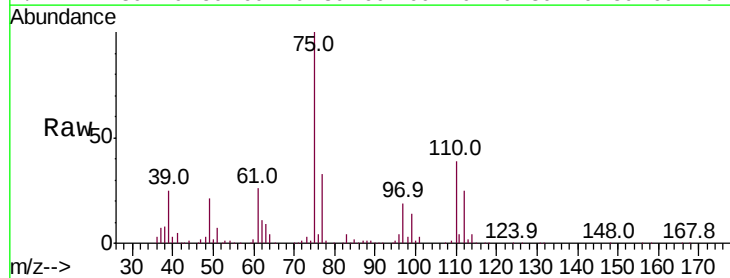
RT: 11.29 min Scan# 1663

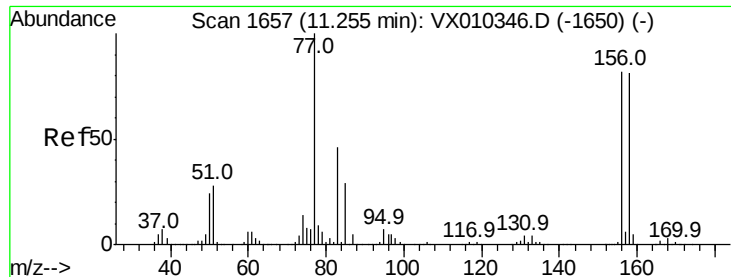
Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Tgt Ion:	75	Resp:	59718
Ion Ratio	Lower	Upper	
75	100		
77	42.0	22.6	67.8





#77

Bromobenzene

Concen: 16.853 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion:156 Resp: 58952

Ion Ratio Lower Upper

156 100

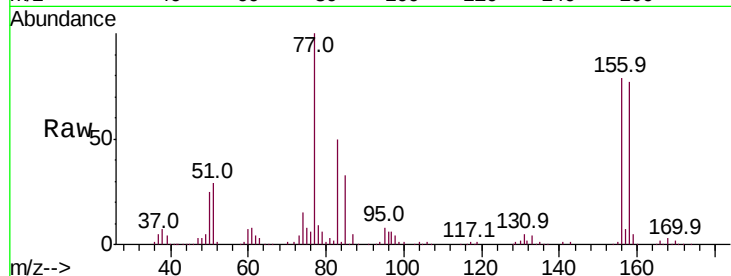
77 136.0 66.3 198.7

158 97.7 48.9 146.7

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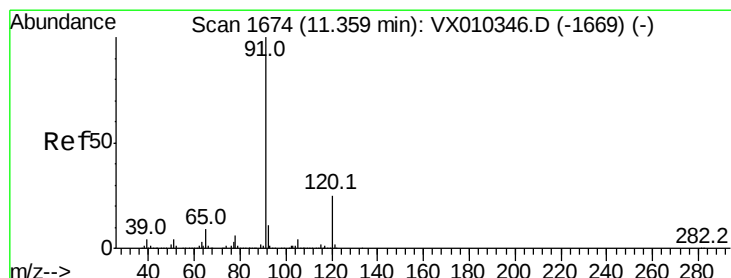
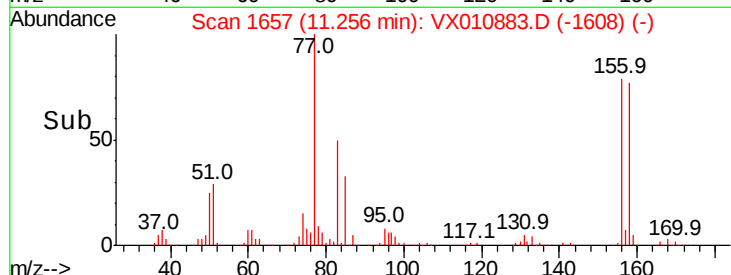
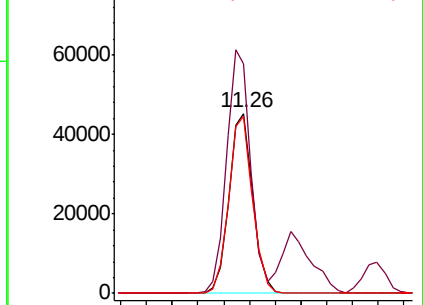
7/16/2019 10:44:18 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.611 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010883.D

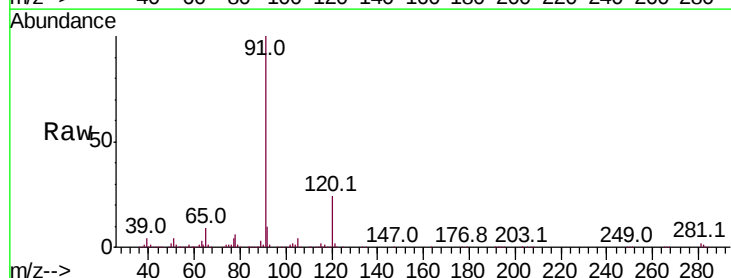
Acq: 15 Jul 2019 14:41

Tgt Ion: 91 Resp: 242473

Ion Ratio Lower Upper

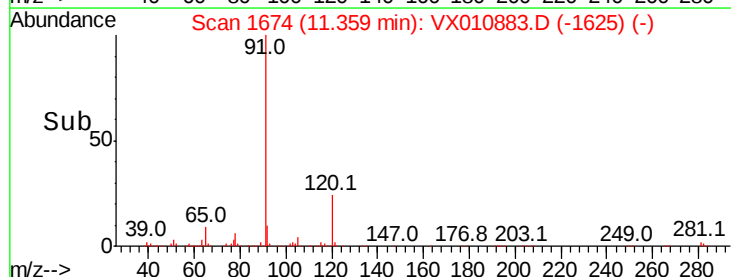
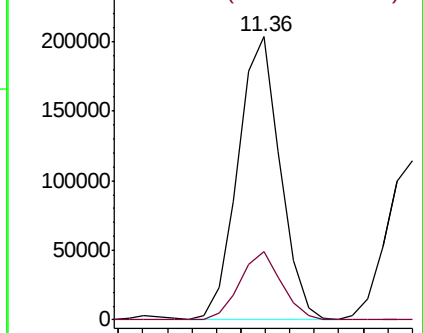
91 100

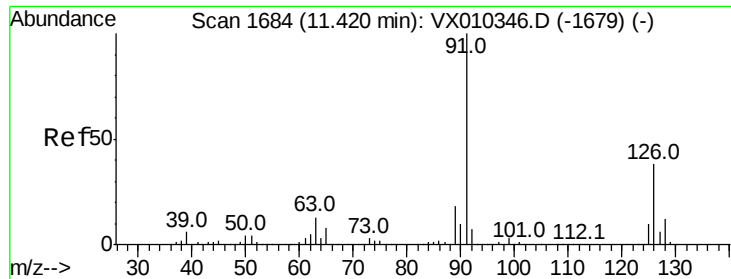
120 24.3 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.428 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion: 91 Resp: 142889

Ion Ratio Lower Upper

91 100

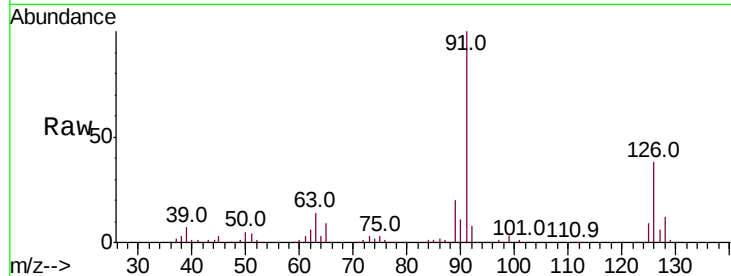
126 37.0 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX010883.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010883.D (-1679) (-)

200000

150000

100000

50000

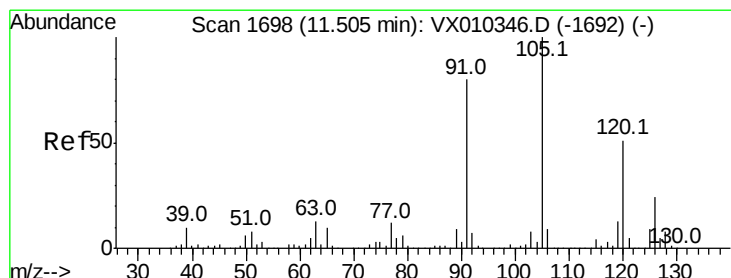
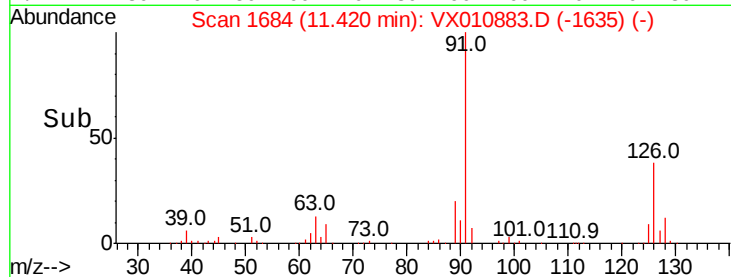
0

11.42

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.640 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010883.D

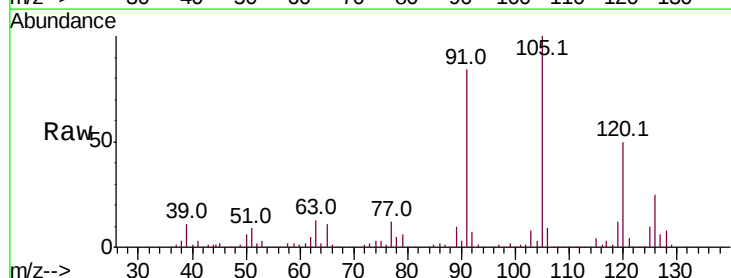
Acq: 15 Jul 2019 14:41

Tgt Ion: 105 Resp: 182182

Ion Ratio Lower Upper

105 100

120 49.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010883.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010883.D (-1692) (-)

150000

100000

50000

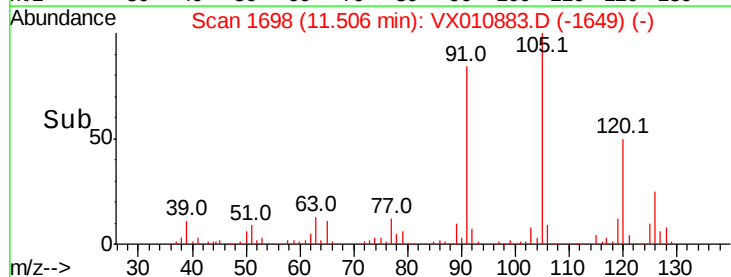
0

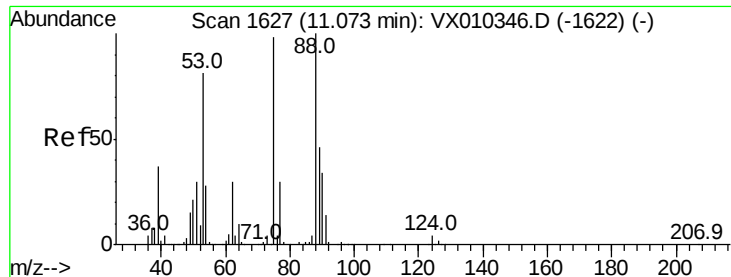
11.51

11.40

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 13.627 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

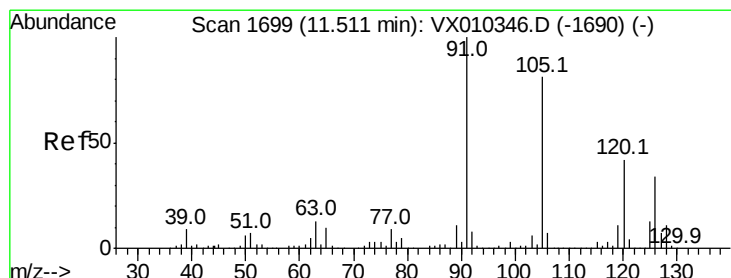
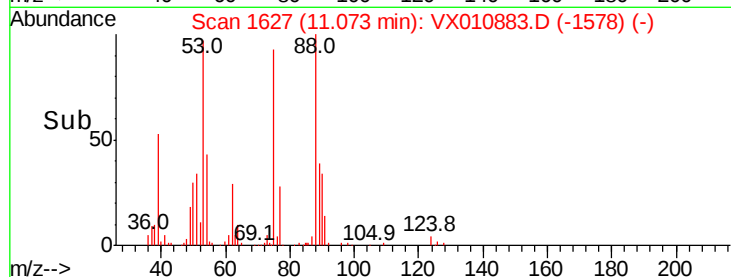
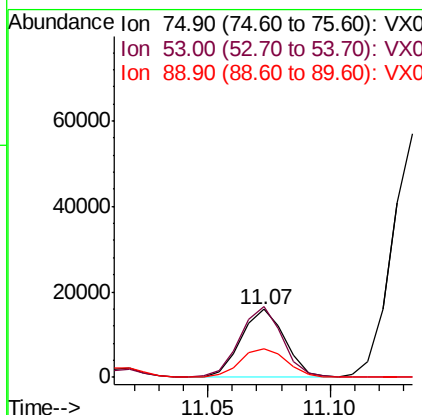
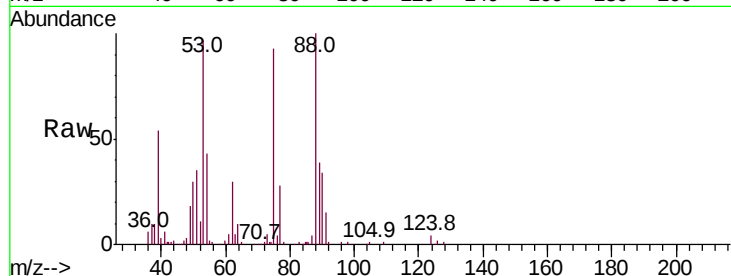
ClientSampleId :

VX0715WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	66.1	99.1#
89	46.0	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.798 ug/l

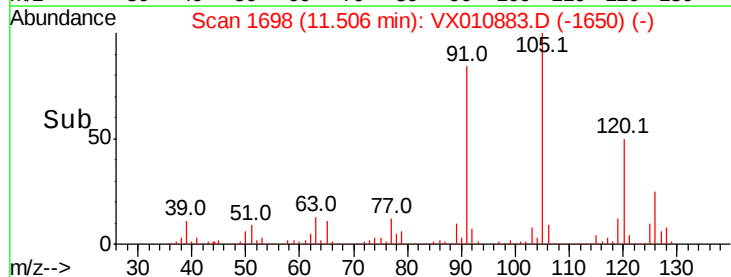
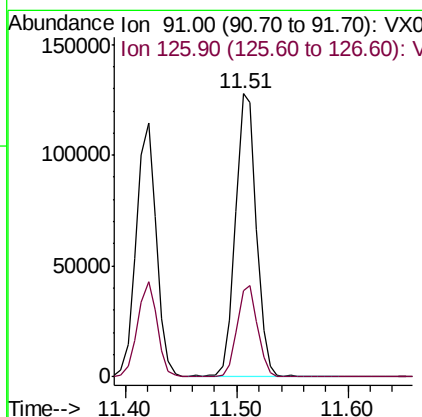
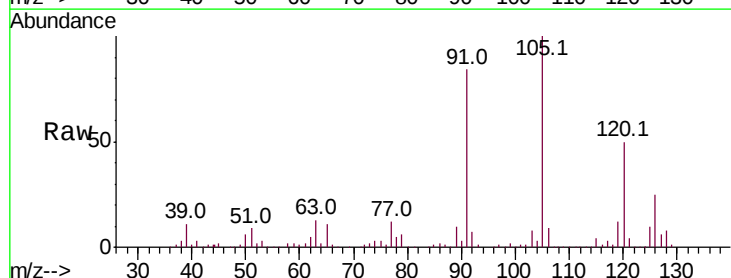
RT: 11.51 min Scan# 1698

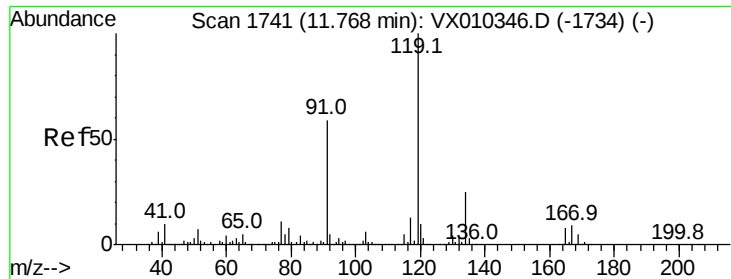
Delta R.T. -0.01 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.2	48.6





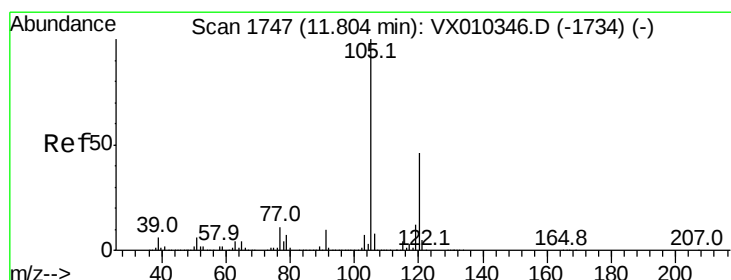
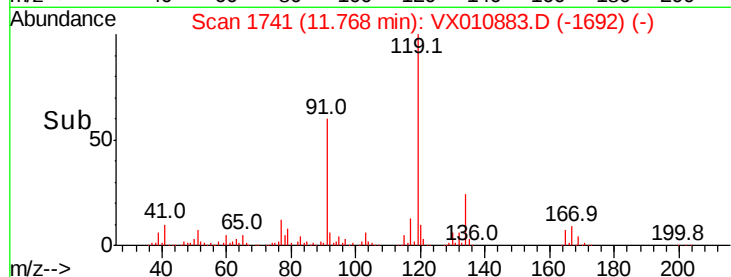
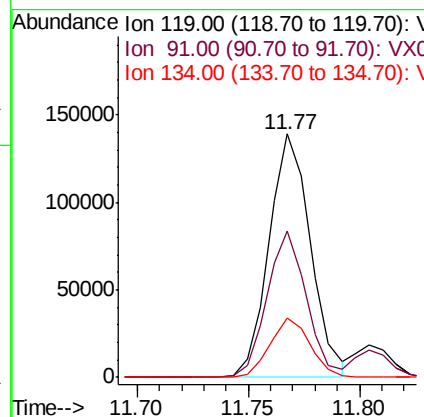
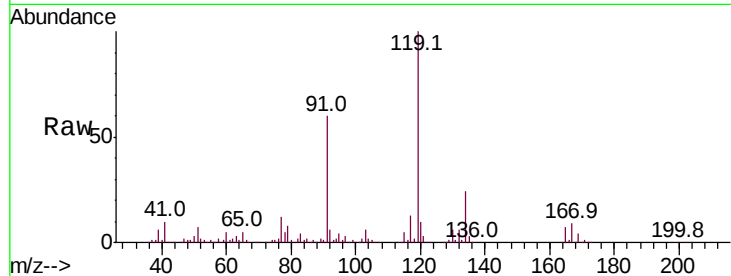
#83
tert-Butylbenzene
Concen: 17.333 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179665		
91	57.2		27.6	82.7
134	23.7		11.8	35.4

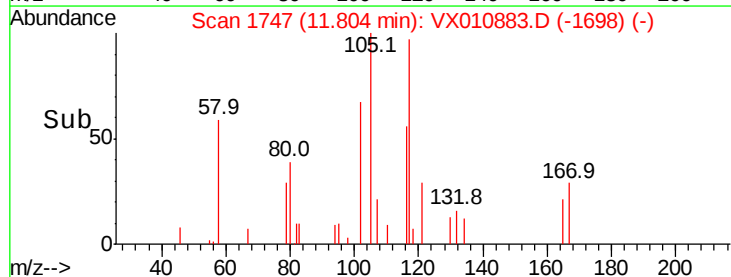
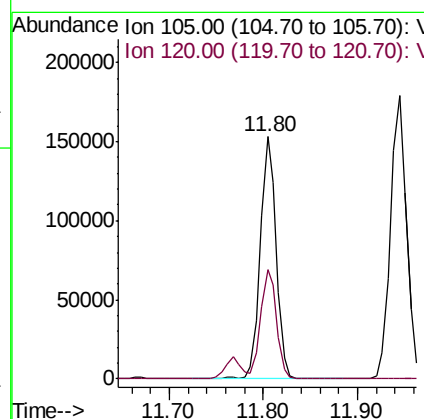
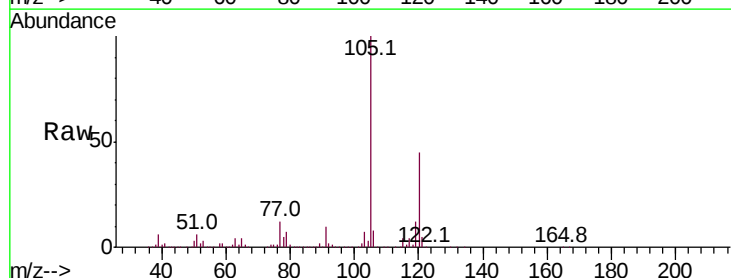
Manual Integrations
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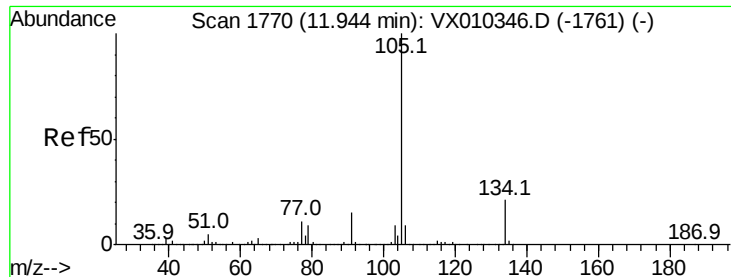
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#84
1,2,4-Trimethylbenzene
Concen: 17.638 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	183010		
120	45.1		23.1	69.2





#85

sec-Butylbenzene

Concen: 17.402 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0715WBS02

Tot Ion:105 Resp: 211792

Ion Ratio Lower Upper

105 100

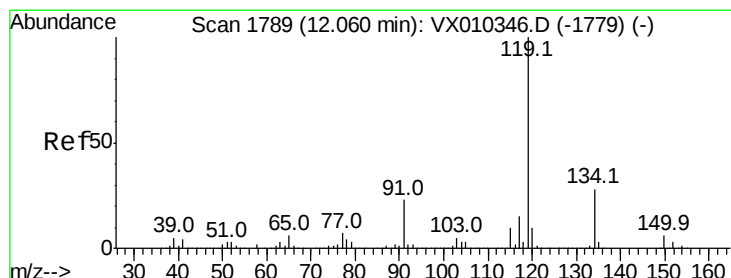
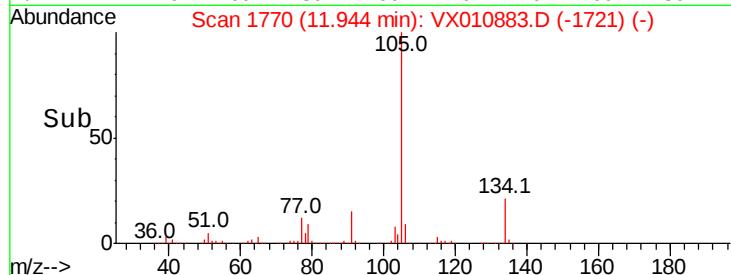
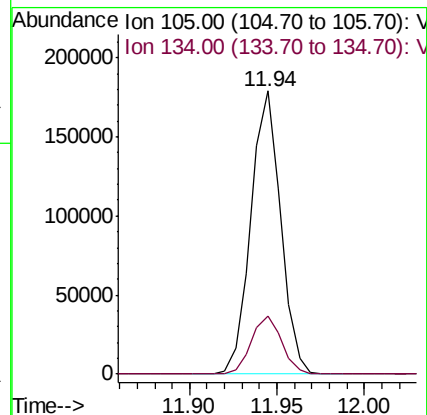
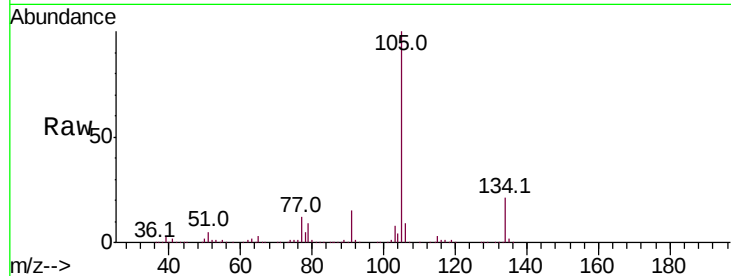
134 20.9 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.158 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010883.D

Acq: 15 Jul 2019 14:41

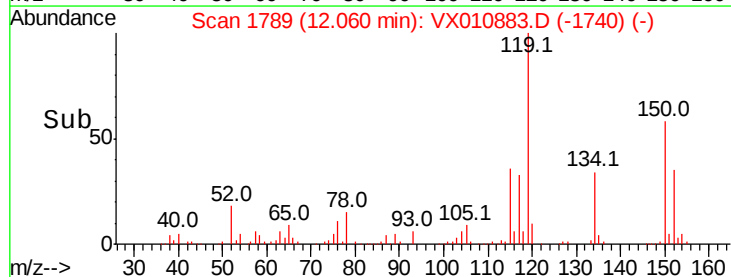
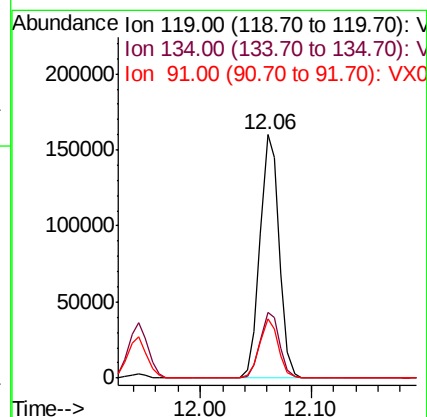
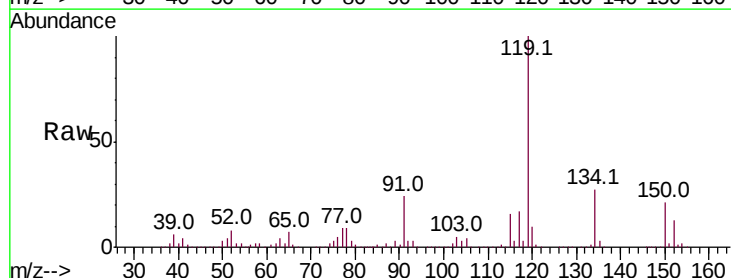
Tgt Ion:119 Resp: 193160

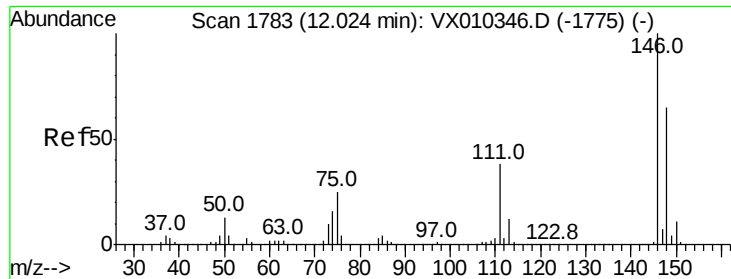
Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.1

91 23.8 11.3 33.8





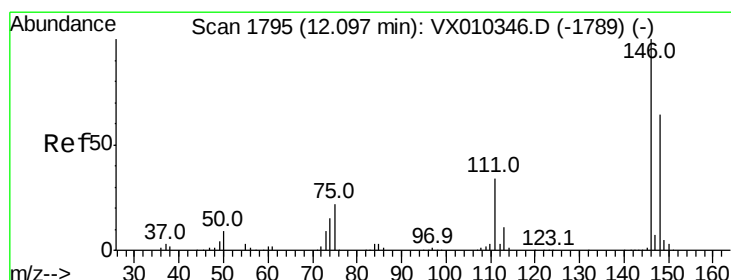
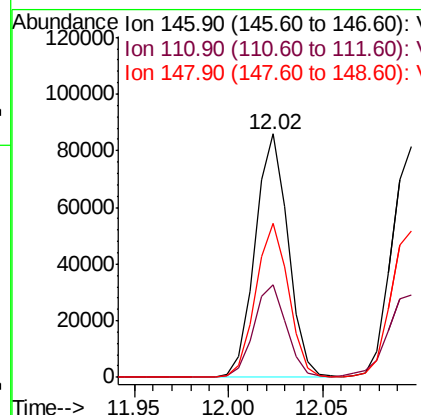
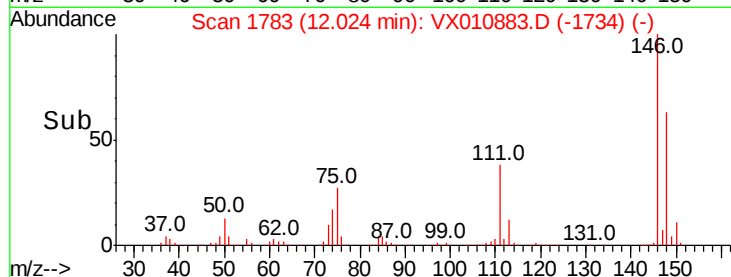
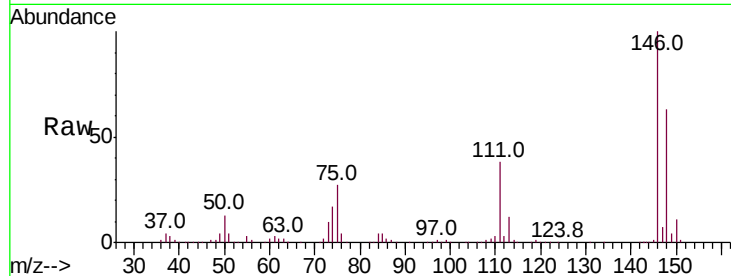
#87
 1,3-Dichlorobenzene
 Concen: 17.031 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	63.1	32.5	97.4

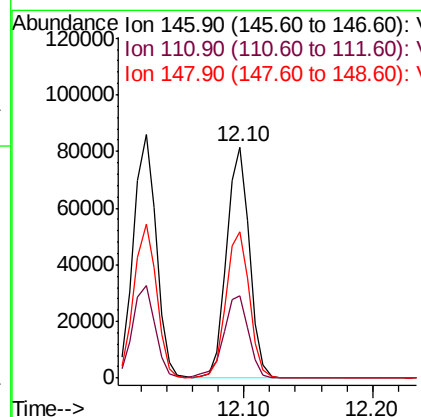
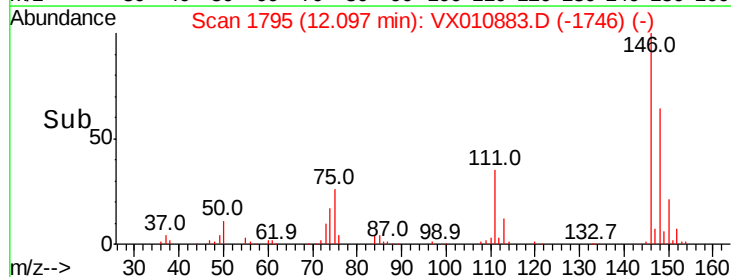
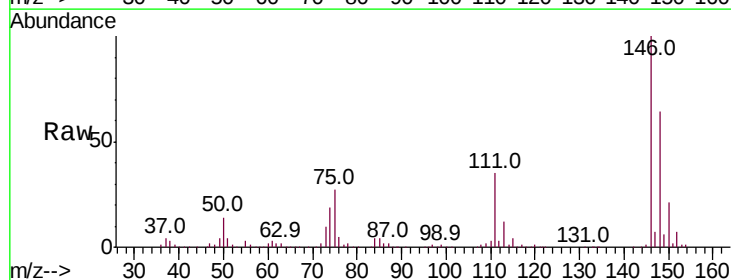
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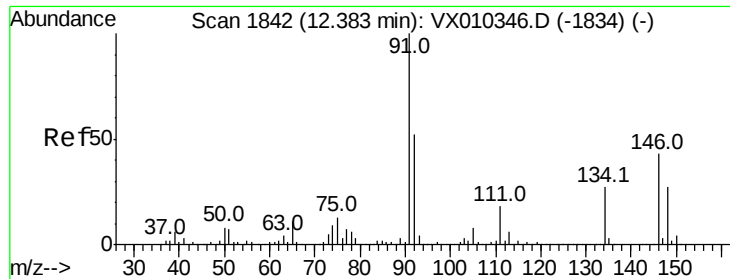
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#88
 1,4-Dichlorobenzene
 Concen: 16.488 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.3
148	65.0	32.1	96.3





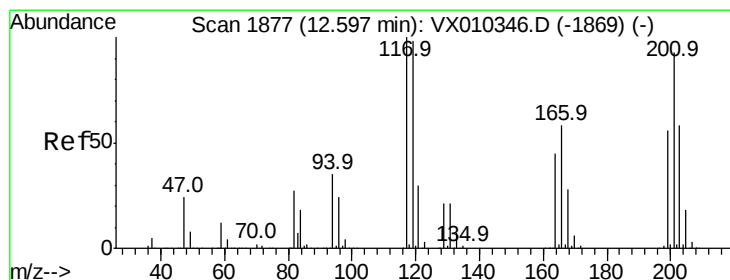
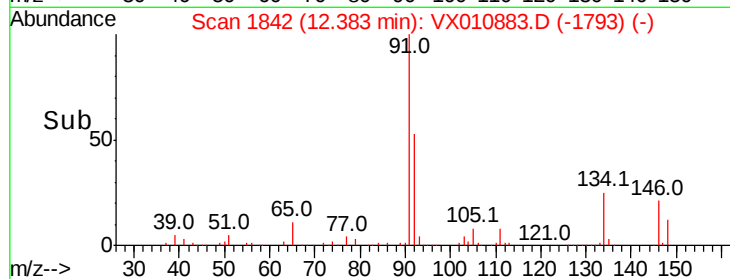
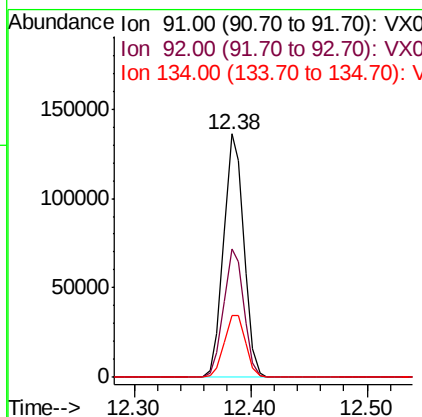
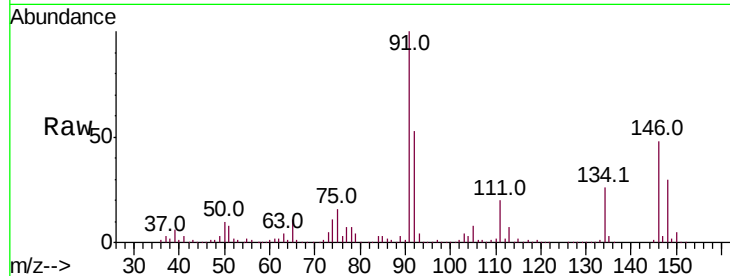
#89
n-Butylbenzene
Concen: 17.094 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	27.1	14.1	42.4

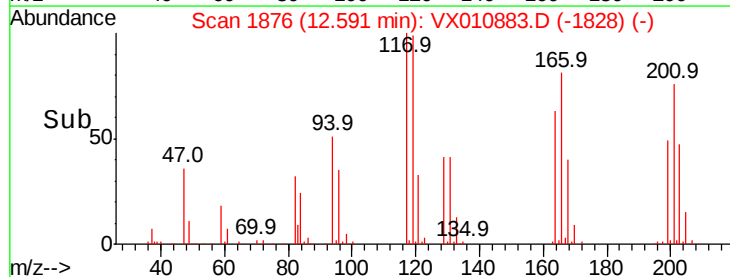
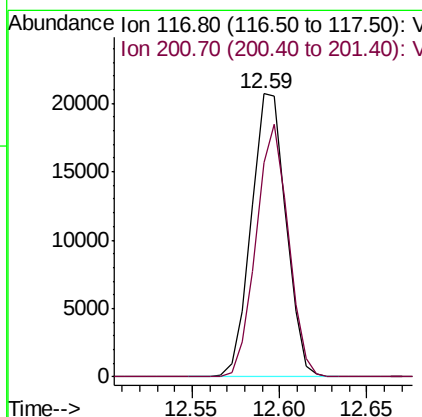
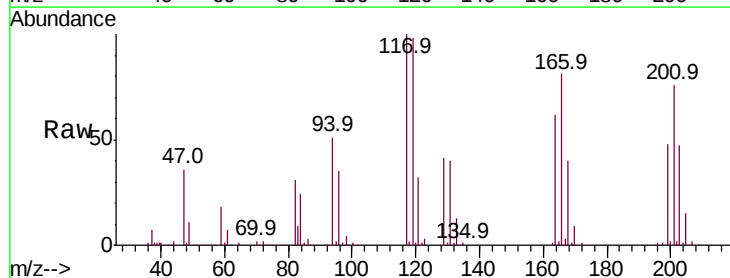
Manual Integrations
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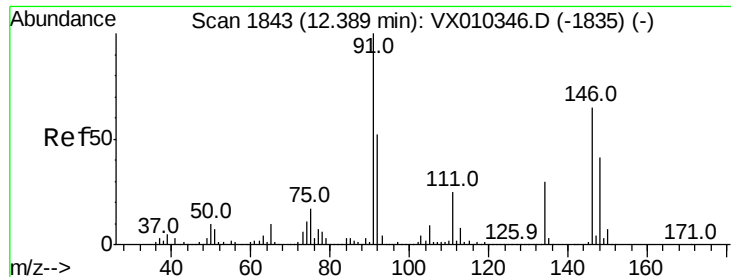
MMDadoda
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#90
Hexachloroethane
Concen: 14.675 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	44.0	131.8





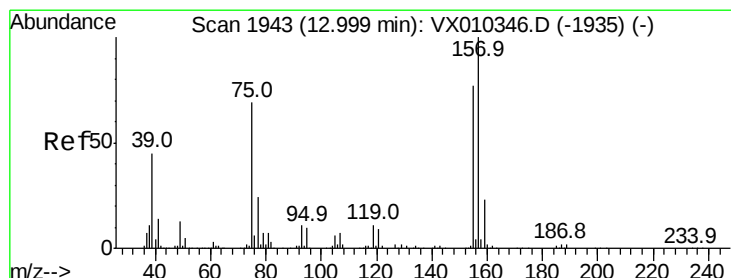
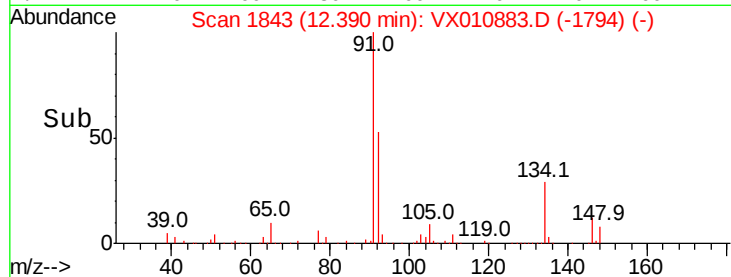
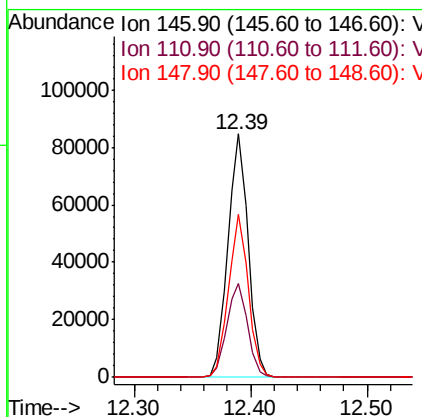
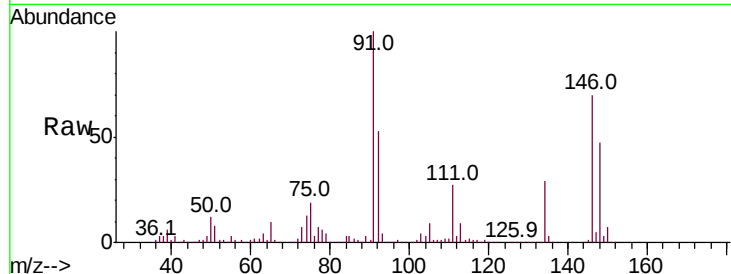
#91
 1,2-Dichlorobenzene
 Concen: 16.893 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.4	19.2	57.6	
148	65.5	32.0	96.0	

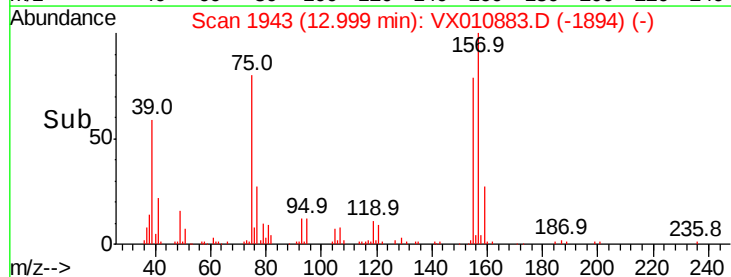
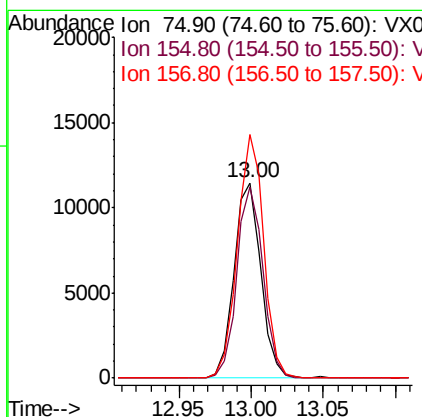
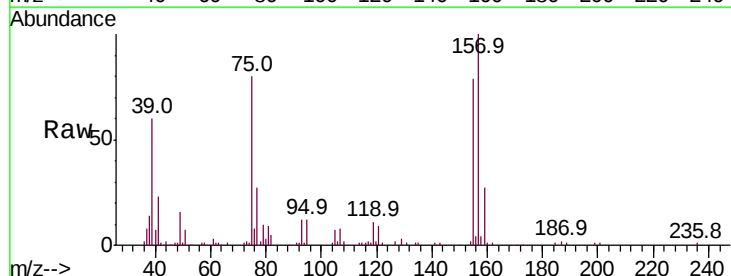
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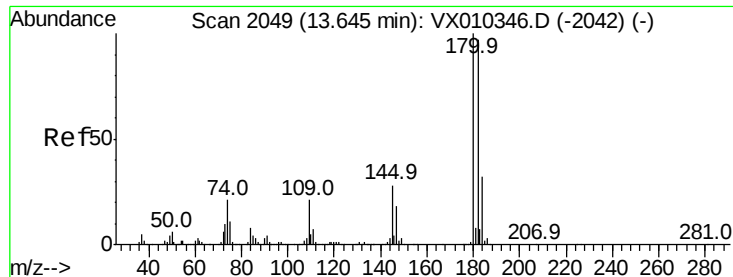
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.675 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010883.D
 Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	95.3	54.4	163.1	
157	121.5	69.5	208.3	





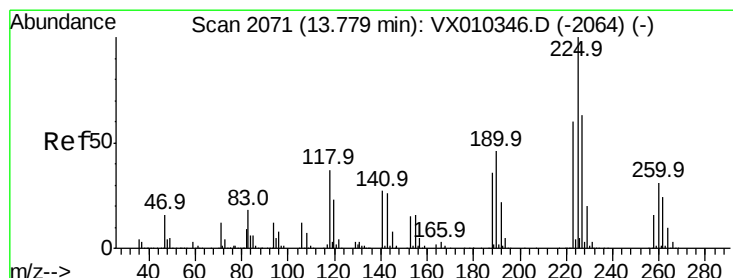
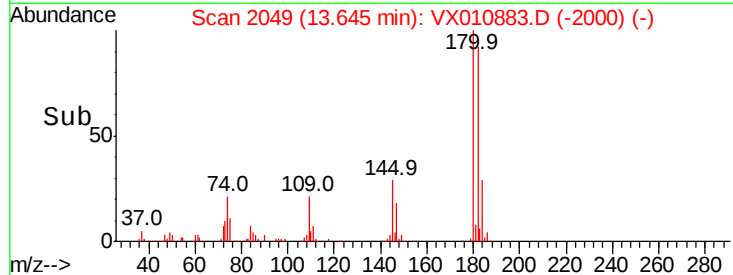
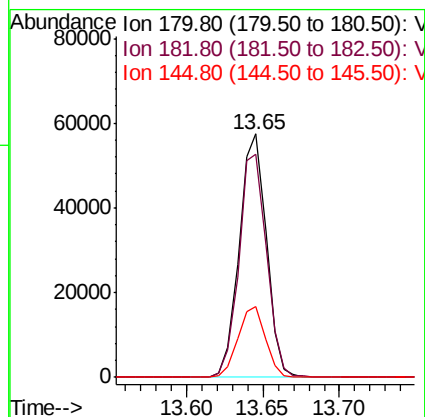
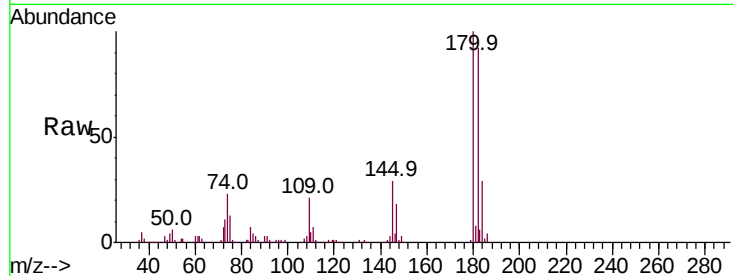
#93
1,2,4-Trichlorobenzene
Concen: 16.767 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.6	48.0	144.0	
145	29.5	14.4	43.4	

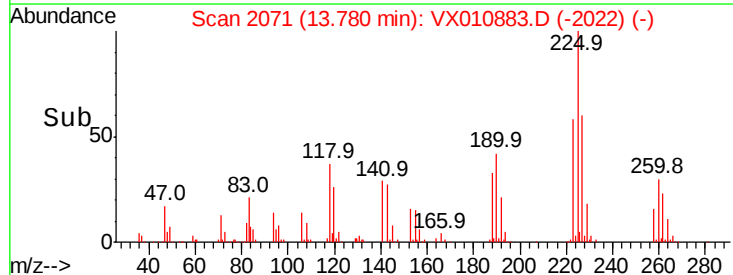
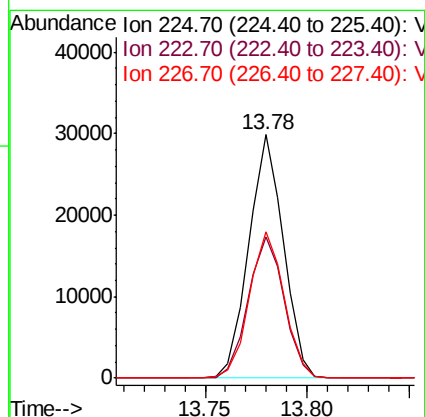
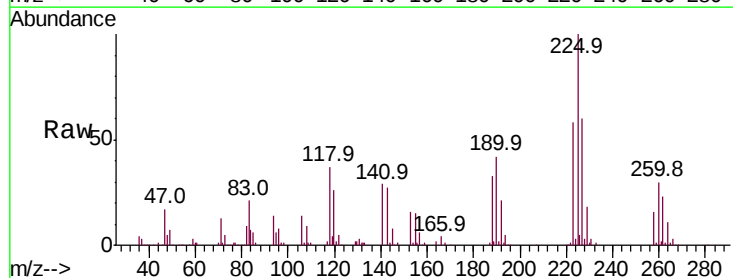
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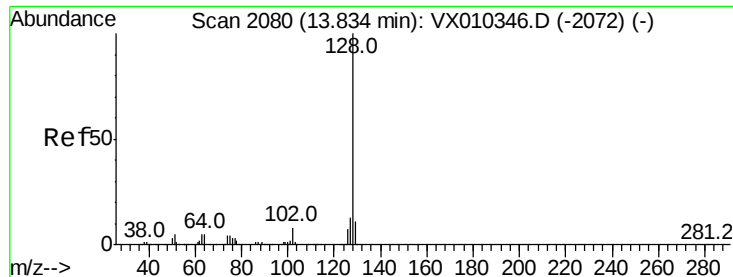
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#94
Hexachlorobutadiene
Concen: 17.139 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.9	30.9	92.7	
227	60.4	31.9	95.5	





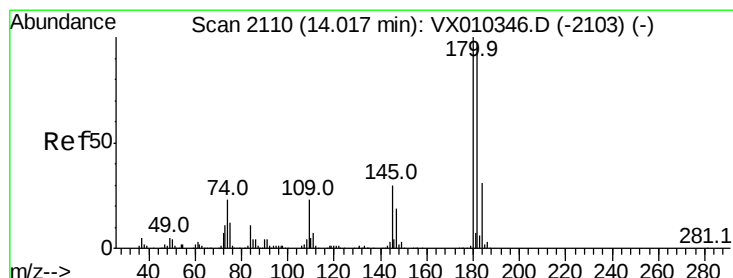
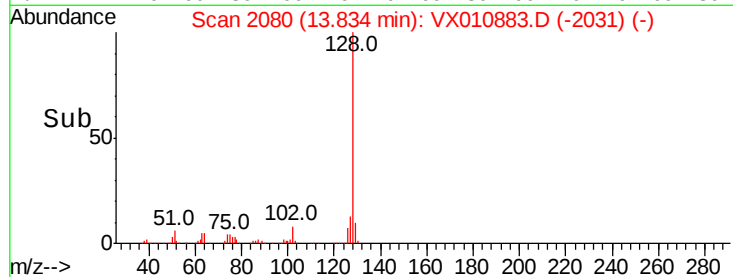
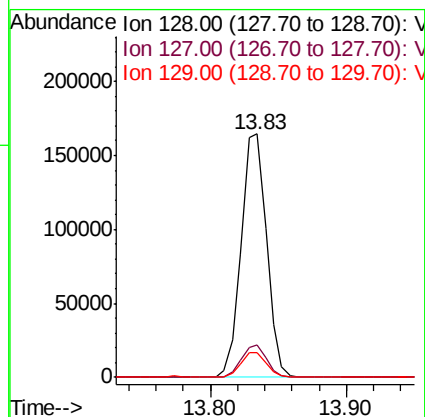
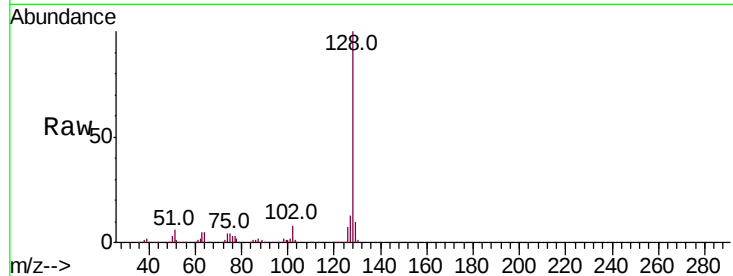
#95
Naphthalene
Concen: 16.597 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0715WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	214645		
127	13.0		10.2	15.4
129	10.5		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.865 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010883.D
Acq: 15 Jul 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	70568		
182	95.3		47.8	143.3
145	31.1		15.2	45.6

