

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012478.D
 Acq On : 18 Sep 2019 16:57
 Operator : JC/SP
 Sample : VX0918WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:04:41 PM

Quant Time: Sep 19 07:29:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	203236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	337432	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	141945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	142733	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	5.49	113	103139	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	8.71	98	371752	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.14	95	150159	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22606	16.933	ug/l	93
3) Chloromethane	1.32	50	19318	17.289	ug/l	99
4) Vinyl Chloride	1.40	62	21508	17.810	ug/l	97
5) Bromomethane	1.63	94	11064	23.320	ug/l	98
6) Chloroethane	1.72	64	15240	16.127	ug/l	95
7) Trichlorofluoromethane	1.92	101	40020	18.078	ug/l	99
8) Diethyl Ether	2.18	74	17307	17.309	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	29046	18.134	ug/l	99
10) Methyl Iodide	2.50	142	21945	18.989	ug/l	99
11) Tert butyl alcohol	3.03	59	63581	82.133	ug/l	100
12) 1,1-Dichloroethene	2.36	96	23454	18.356	ug/l	97
13) Acrolein	2.28	56	17174	65.908	ug/l	98
14) Allyl chloride	2.72	41	51441	17.292	ug/l	99
15) Acrylonitrile	3.13	53	112948	89.484	ug/l	99
16) Acetone	2.43	43	123648	87.738	ug/l	99
17) Carbon Disulfide	2.56	76	26946	16.179	ug/l	96
18) Methyl Acetate	2.76	43	53809	17.728	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	123916	17.787	ug/l	100
20) Methylene Chloride	2.84	84	31246	17.725	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	23909	18.019	ug/l	94
22) Diisopropyl ether	3.84	45	122653	17.609	ug/l	99
23) Vinyl Acetate	3.80	43	511754	89.316	ug/l	100
24) 1,1-Dichloroethane	3.69	63	60378	18.117	ug/l	98
25) 2-Butanone	4.66	43	172149	85.202	ug/l	98
26) 2,2-Dichloropropane	4.58	77	56463	17.227	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	35734	18.028	ug/l	99
28) Bromochloromethane	5.00	49	32174	18.727	ug/l	96
29) Tetrahydrofuran	5.12	42	101080	90.558	ug/l	98
30) Chloroform	5.20	83	67242	17.569	ug/l	98
31) Cyclohexane	5.58	56	36245	18.017	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	56882	17.782	ug/l	99
36) 1,1-Dichloropropene	5.79	75	36103	17.605	ug/l	95
37) Ethyl Acetate	4.83	43	59036	18.754	ug/l	97
38) Carbon Tetrachloride	5.78	117	45325	17.771	ug/l	96

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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	7.45	83	36545	18.331	ug/l	95
40) Benzene	6.14	78	119877	18.382	ug/l	97
41) Methacrylonitrile	5.03	41	34289	16.917	ug/l	97
42) 1,2-Dichloroethane	6.18	62	54758	18.104	ug/l	100
43) Isopropyl Acetate	6.43	43	100386	17.768	ug/l	99
44) Trichloroethene	7.21	130	32302	18.830	ug/l	97
45) 1,2-Dichloropropane	7.51	63	36473	18.204	ug/l	97
46) Dibromomethane	7.65	93	23537	18.154	ug/l	97
47) Bromodichloromethane	7.89	83	50210	17.393	ug/l	98
48) Methyl methacrylate	7.76	41	45585	17.116	ug/l	97
49) 1,4-Dioxane	7.73	88	22426	345.972	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	326596	88.146	ug/l	97
52) Toluene	8.78	92	79627	18.949	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	51927	17.304	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	54817	17.645	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	40151	18.546	ug/l	96
56) Ethyl methacrylate	9.17	69	59852	17.682	ug/l	99
57) 1,3-Dichloropropane	9.37	76	64339	18.627	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	175489	100.158	ug/l	99
59) 2-Hexanone	9.48	43	254455	88.027	ug/l	98
60) Dibromochloromethane	9.58	129	39472	17.900	ug/l	100
61) 1,2-Dibromoethane	9.67	107	36919	18.672	ug/l	97
64) Tetrachloroethene	9.33	164	28988	21.309	ug/l	92
65) Chlorobenzene	10.14	112	89828	18.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	38318	18.843	ug/l	99
67) Ethyl Benzene	10.25	91	157282	18.684	ug/l	100
68) m/p-Xylenes	10.35	106	115507	37.711	ug/l	100
69) o-Xylene	10.70	106	60415	19.180	ug/l	99
70) Styrene	10.71	104	104795	18.803	ug/l	100
71) Bromoform	10.85	173	26187	16.968	ug/l #	97
73) Isopropylbenzene	11.01	105	166180	18.659	ug/l	99
74) N-amyl acetate	10.89	43	85130	17.754	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	63595	18.203	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	61804m	18.955	ug/l	
77) Bromobenzene	11.25	156	42400	19.521	ug/l	97
78) n-propylbenzene	11.35	91	183566	18.493	ug/l	98
79) 2-Chlorotoluene	11.42	91	120187	18.612	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	143696	18.918	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	18063	17.363	ug/l	92
82) 4-Chlorotoluene	11.51	91	139777	18.860	ug/l	100
83) tert-Butylbenzene	11.77	119	147195	18.085	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	146253	18.753	ug/l	99
85) sec-Butylbenzene	11.94	105	164105	18.298	ug/l	98
86) p-Isopropyltoluene	12.06	119	151274	18.369	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	76425	18.705	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	80290	19.130	ug/l	100
89) n-Butylbenzene	12.39	91	130215	17.721	ug/l	99
90) Hexachloroethane	12.59	117	25071	16.603	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	80651	18.886	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15675	17.306	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	51153	18.597	ug/l	98
94) Hexachlorobutadiene	13.78	225	21820	16.831	ug/l	97
95) Naphthalene	13.83	128	187421	19.149	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	52829	18.847	ug/l	98

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

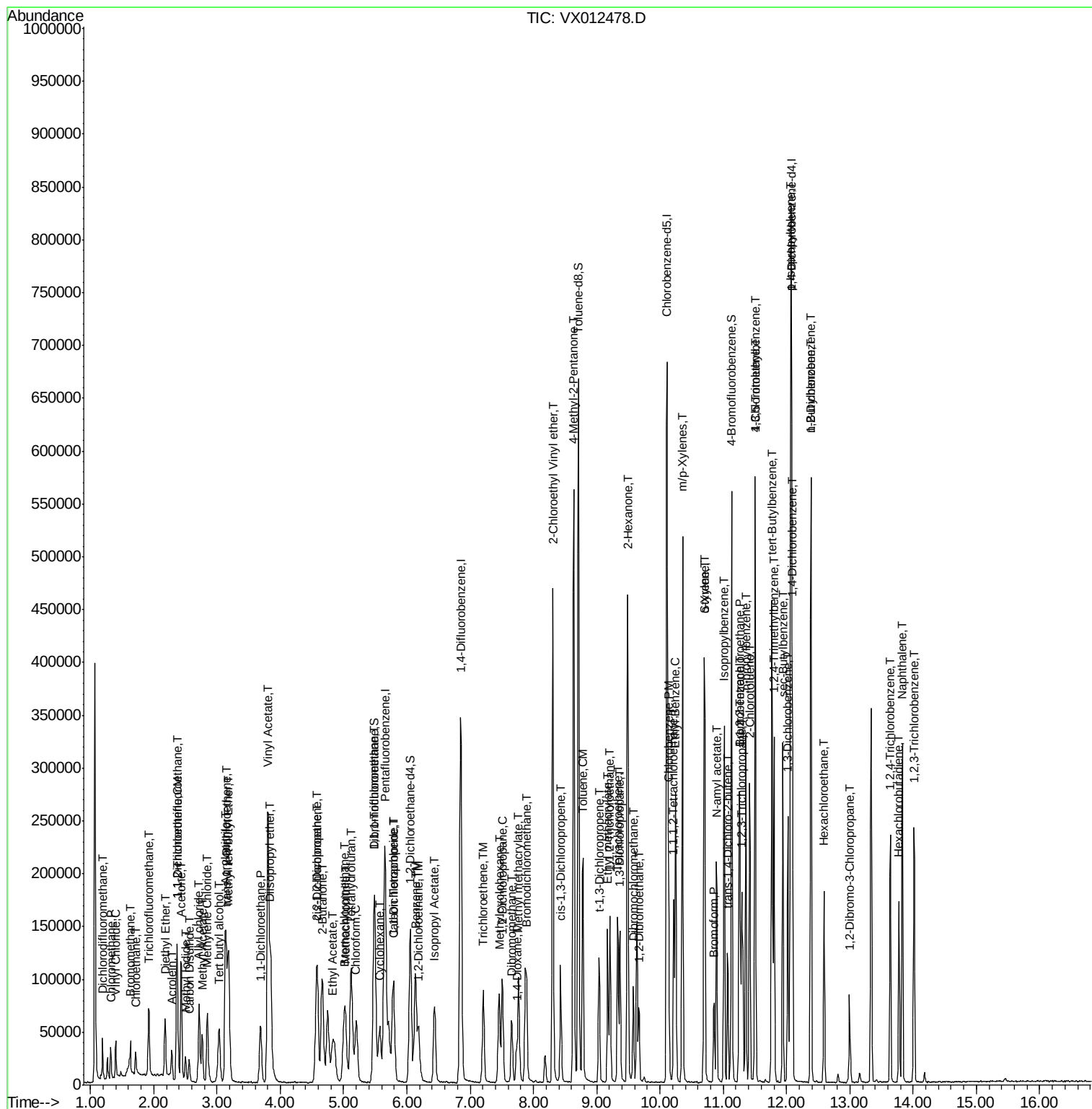
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012478.D
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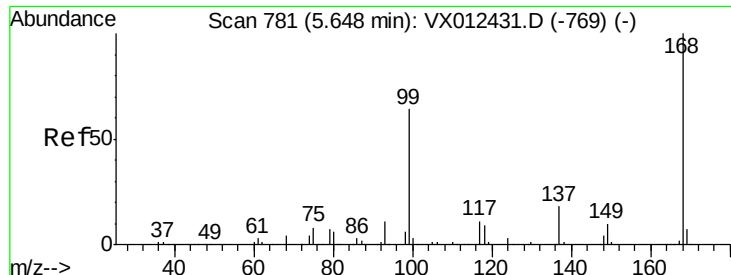
Instrument :
 MSVOA_X
 ClientSampleID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:168 Resp: 203236

Ion Ratio Lower Upper

168 100

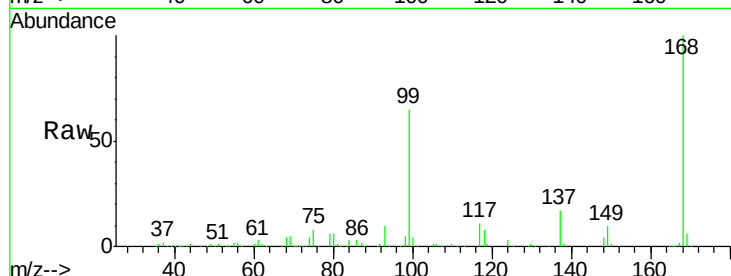
99 65.1 51.4 77.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

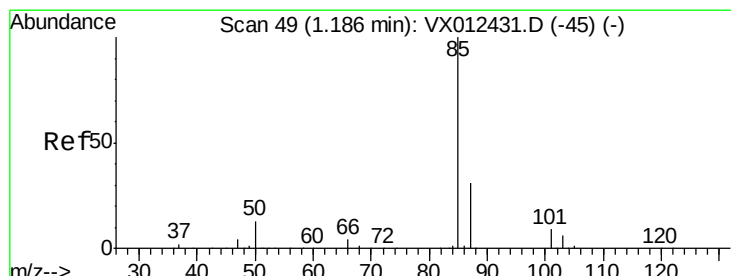
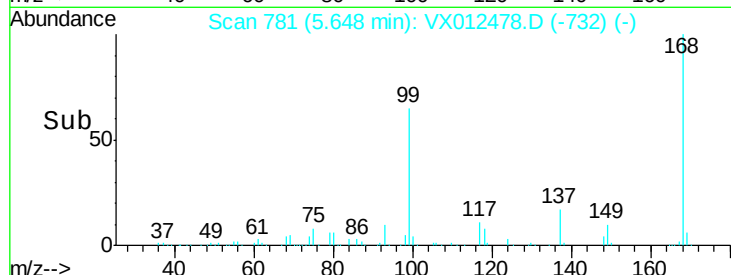
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.933 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012478.D

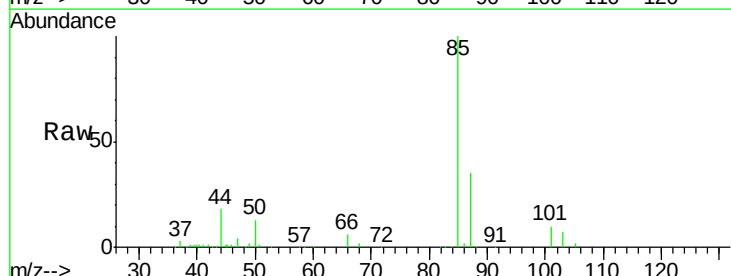
Acq: 18 Sep 2019 16:57

Tgt Ion: 85 Resp: 22606

Ion Ratio Lower Upper

85 100

87 35.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

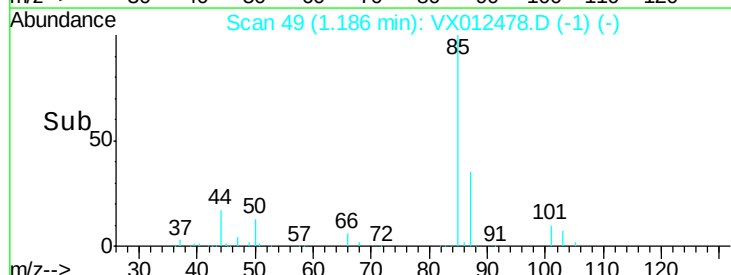
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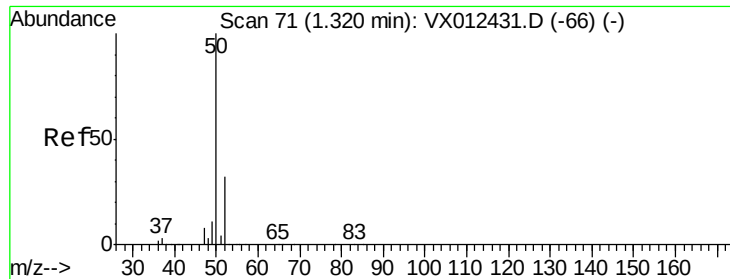
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.289 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 50 Resp: 19318

Ion Ratio Lower Upper

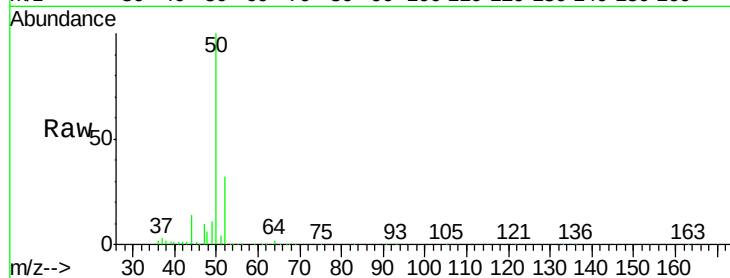
50 100

52 31.4 25.7 38.5

Manual Integrations
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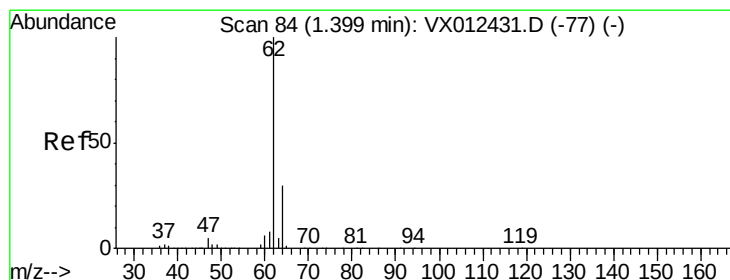
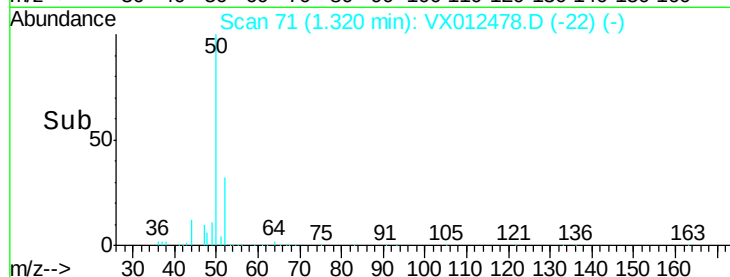
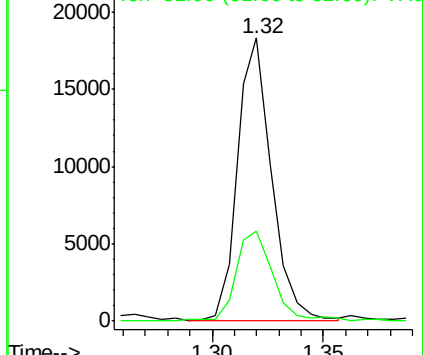
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.810 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012478.D

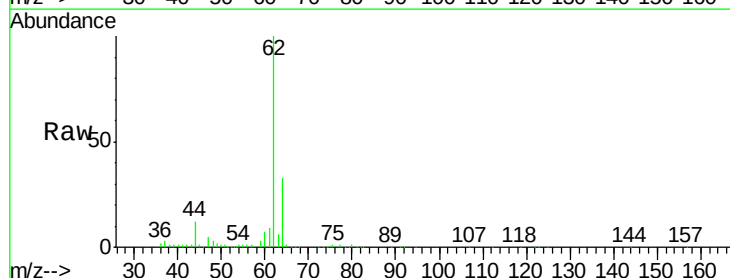
Acq: 18 Sep 2019 16:57

Tgt Ion: 62 Resp: 21508

Ion Ratio Lower Upper

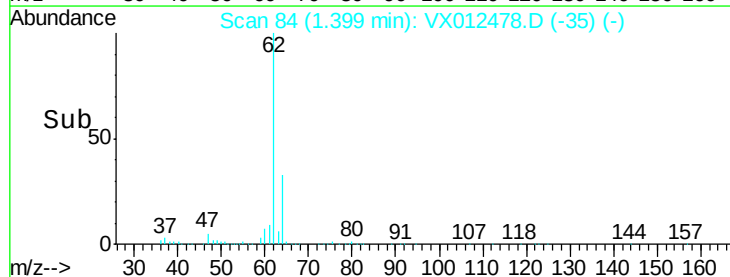
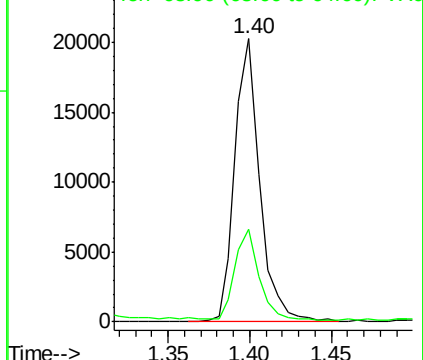
62 100

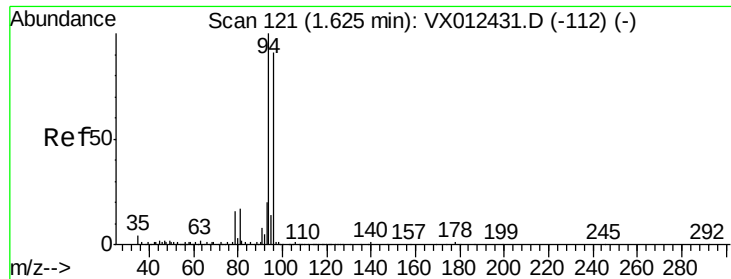
64 31.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.320 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 94 Resp: 11064

Ion Ratio Lower Upper

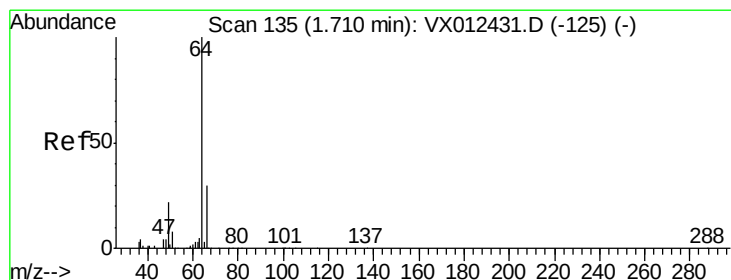
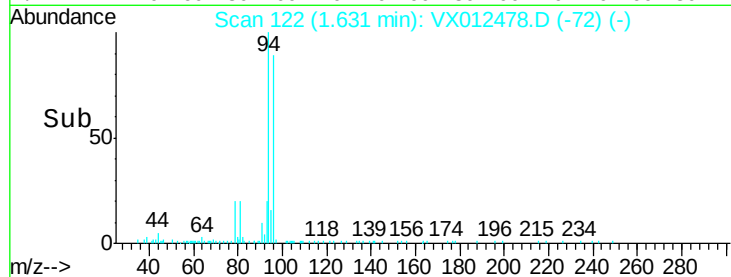
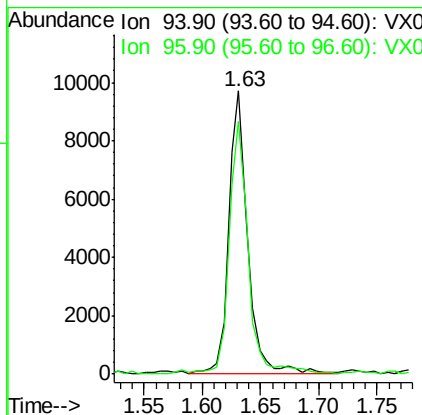
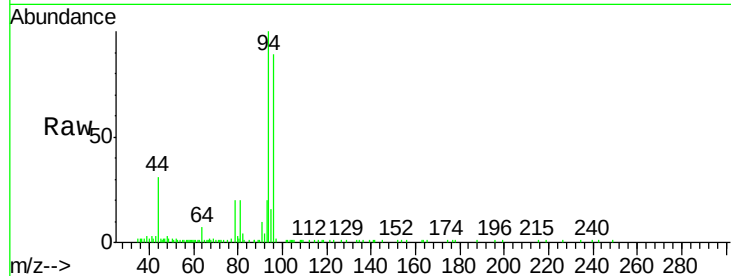
94 100

96 89.2 72.8 109.2

Manual Integrations
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#6

Chloroethane

Concen: 16.127 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012478.D

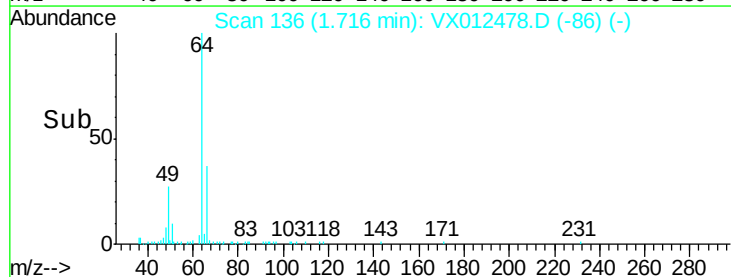
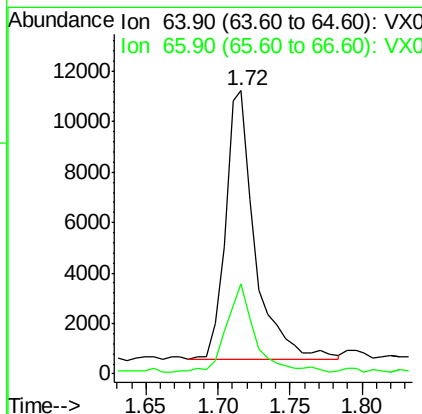
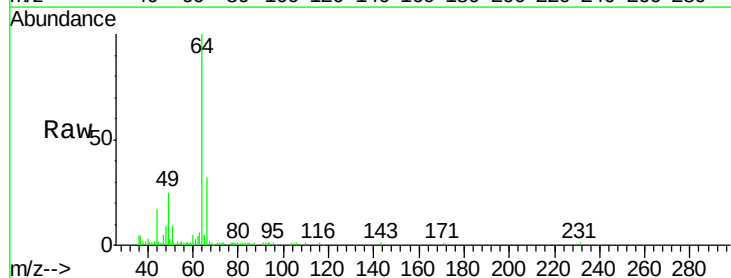
Acq: 18 Sep 2019 16:57

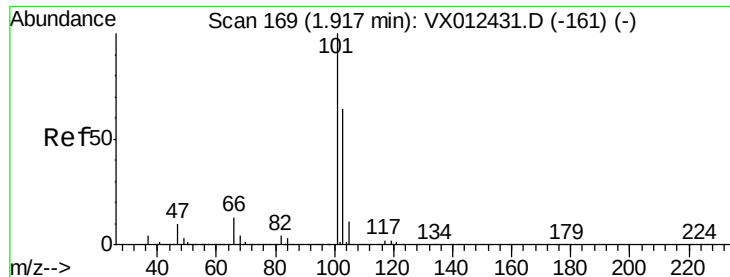
Tgt Ion: 64 Resp: 15240

Ion Ratio Lower Upper

64 100

66 32.5 24.0 36.0





#7

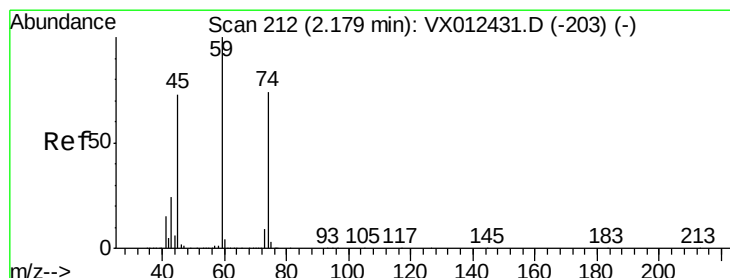
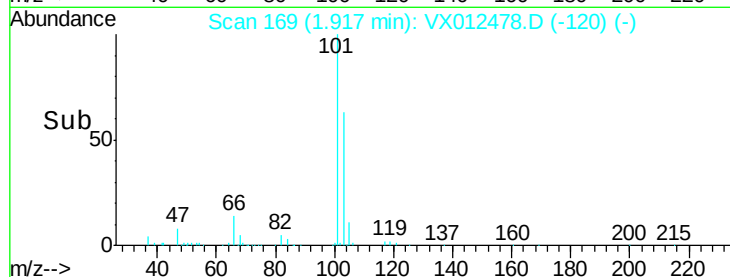
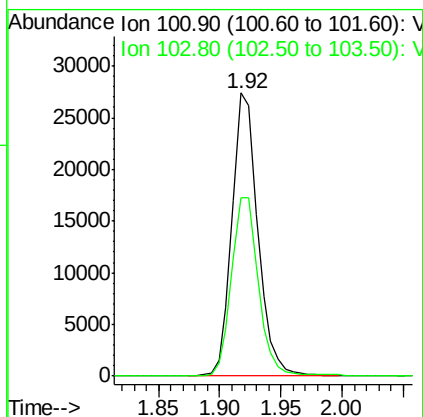
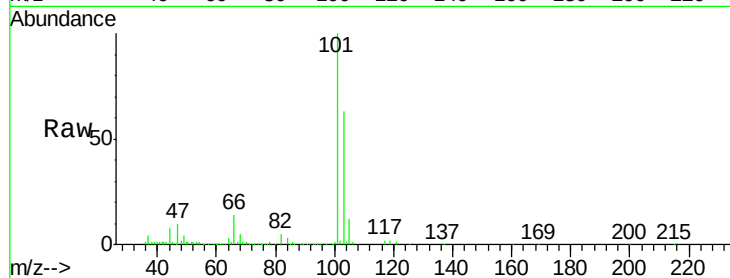
Trichlorofluoromethane
 Concen: 18.078 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.0	76.4

Manual Integrations
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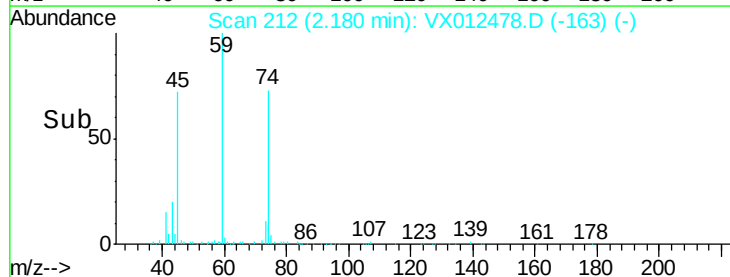
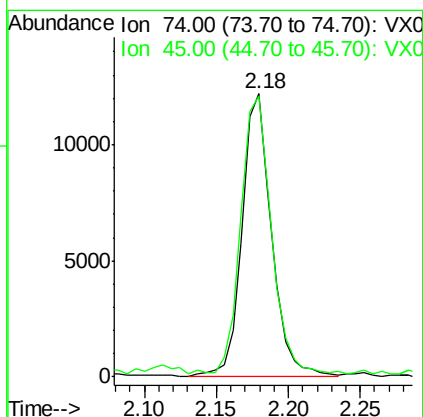
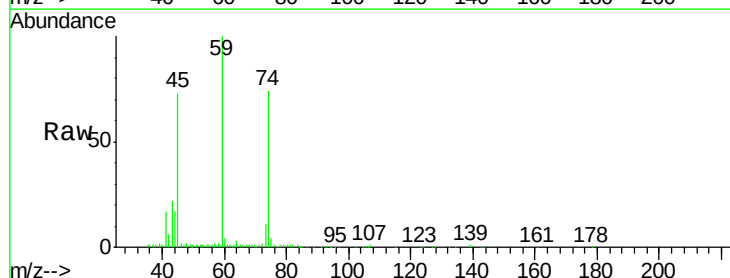
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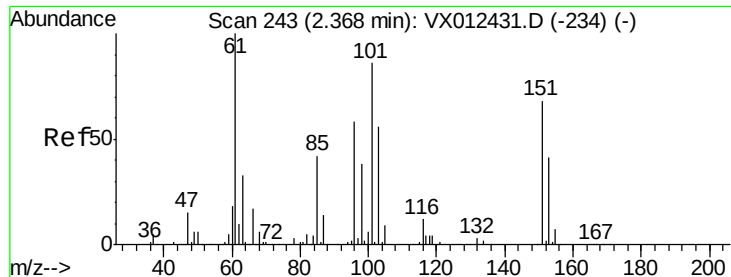


#8

Diethyl Ether
 Concen: 17.309 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.134 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

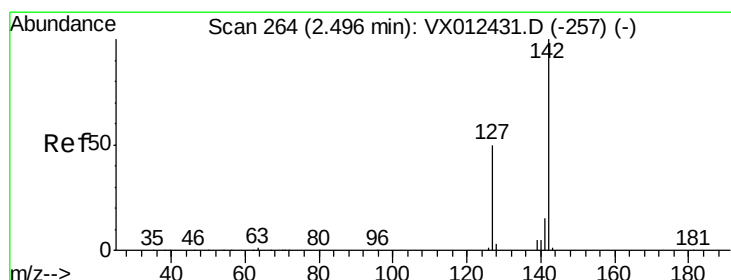
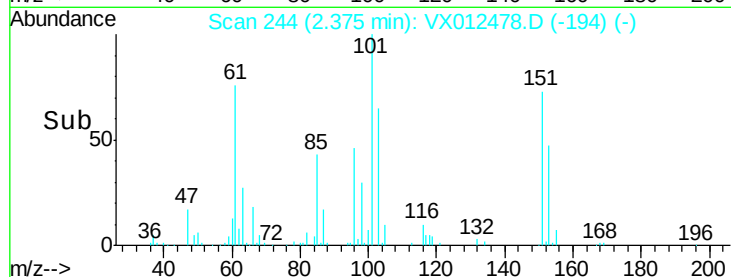
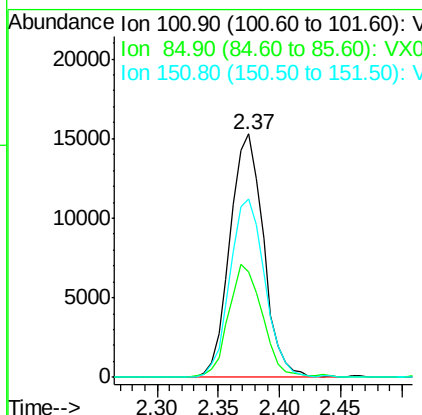
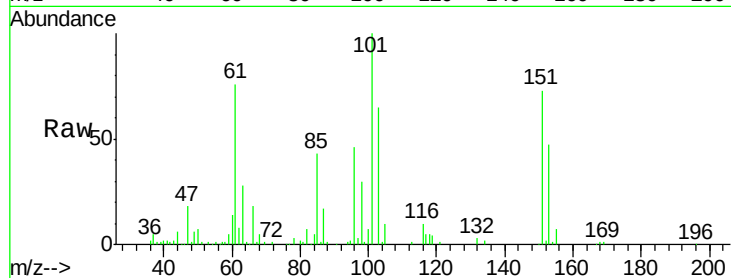
ClientSampleId :

VX0918WBSD01

Tot Ion:	101	Resp:	29046
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.3	55.9
151	76.3	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 18.989 ug/l

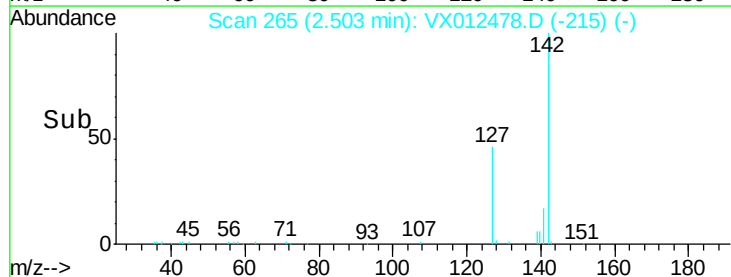
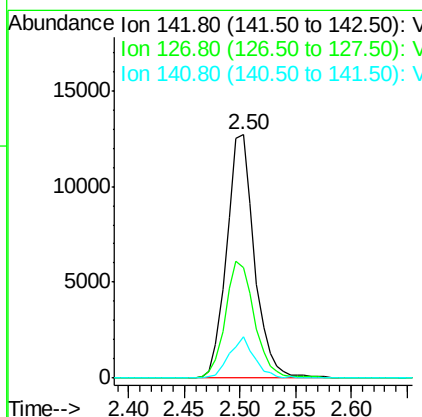
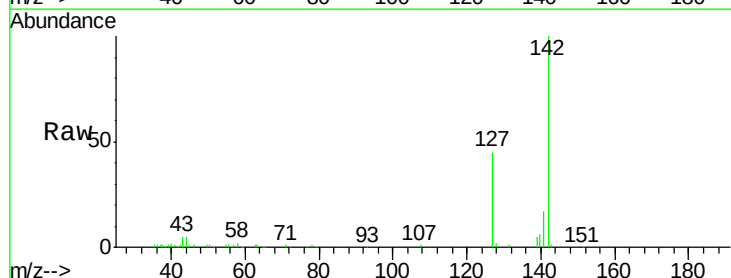
RT: 2.50 min Scan# 265

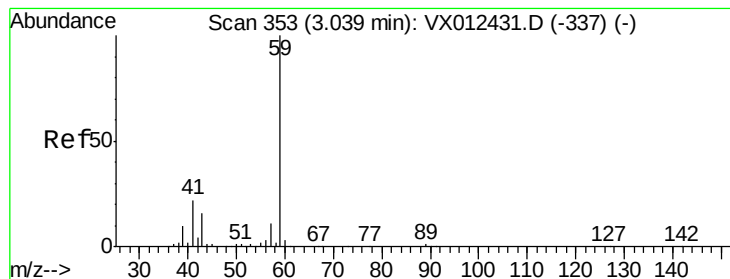
Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	142	Resp:	21945
Ion Ratio	Lower	Upper	
142	100		
127	50.6	40.8	61.2
141	15.2	12.1	18.1





#11

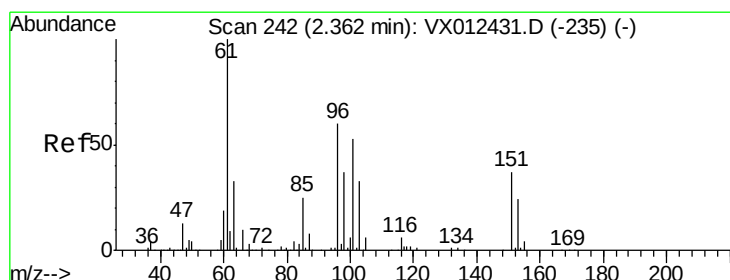
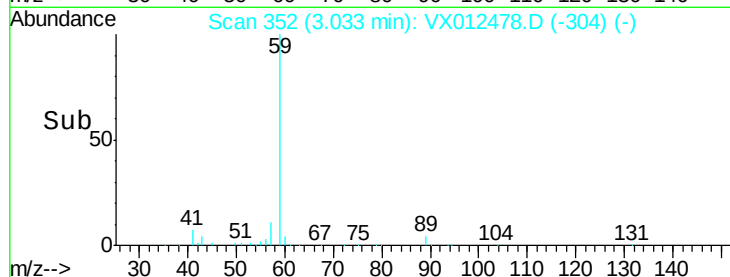
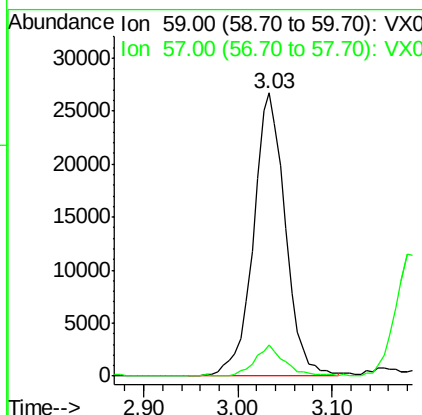
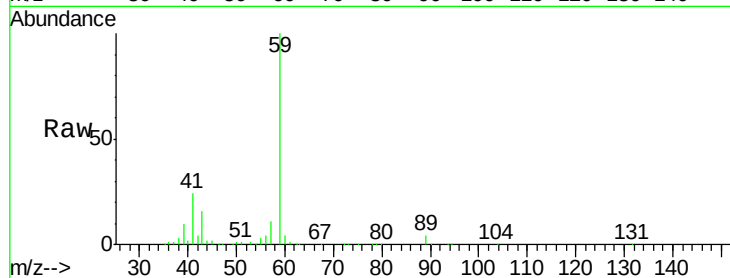
Tert butyl alcohol
 Concen: 82.133 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Manual Integrations
 APPROVED

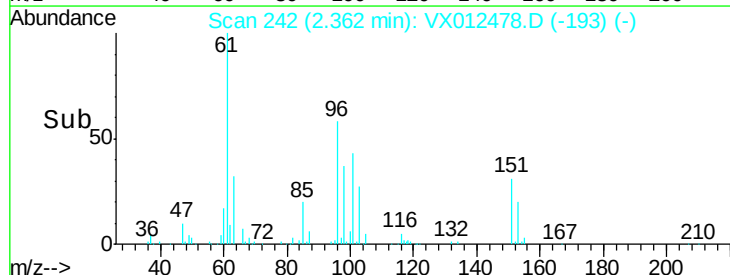
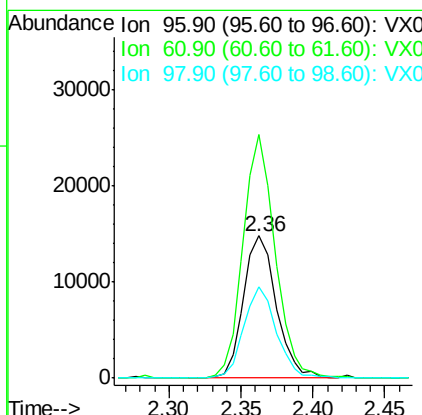
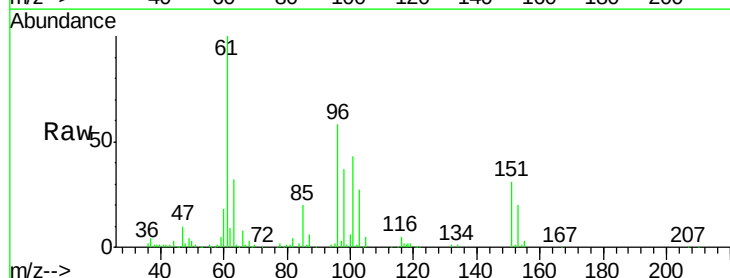
MMDadoda
 9/19/2019 1:04:41 PM

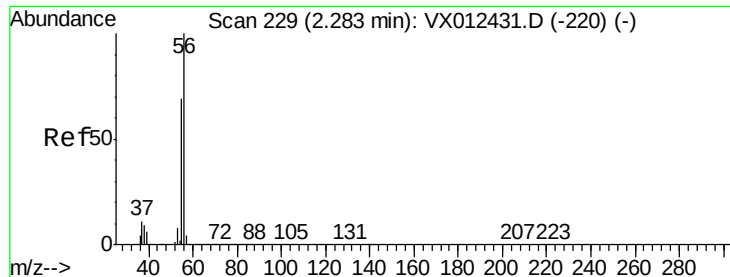


#12

1,1-Dichloroethene
 Concen: 18.356 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	133.8	200.6
98	63.9	49.9	74.9





#13

Acrolein

Concen: 65.908 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 56 Resp: 17174

Ion Ratio Lower Upper

56 100

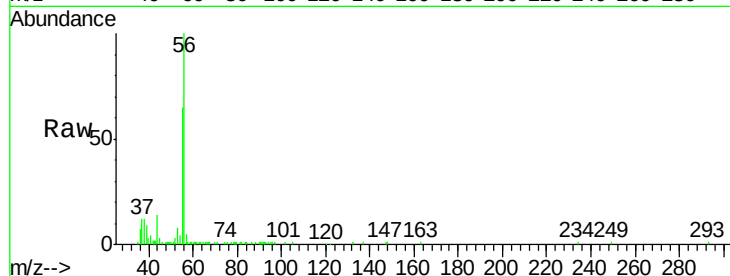
55 68.0 55.8 83.8

Manual Integrations

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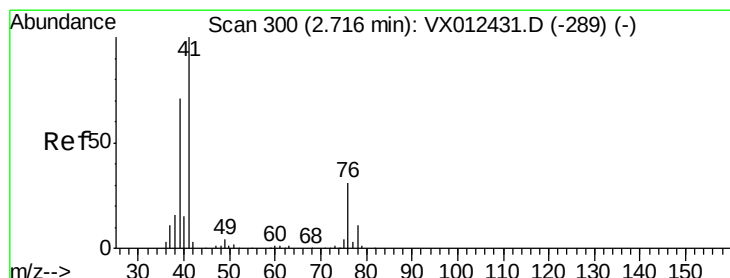
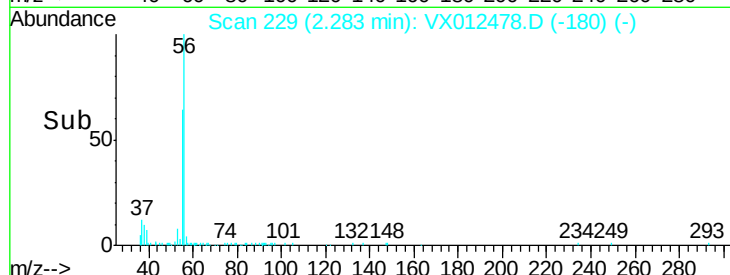
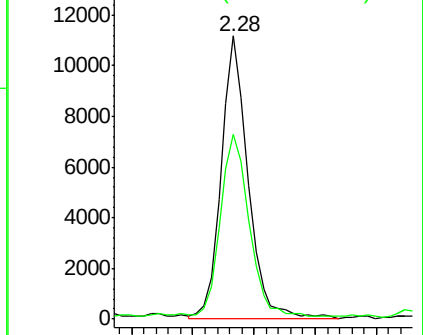
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 17.292 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

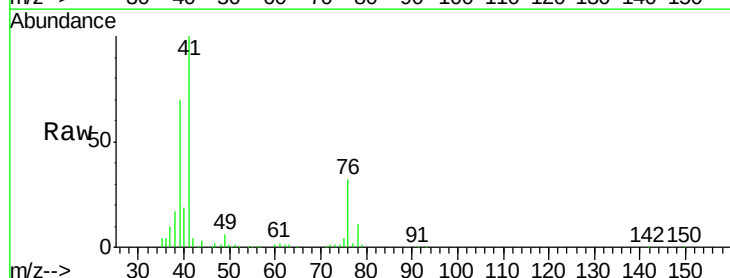
Tgt Ion: 41 Resp: 51441

Ion Ratio Lower Upper

41 100

39 64.9 51.3 76.9

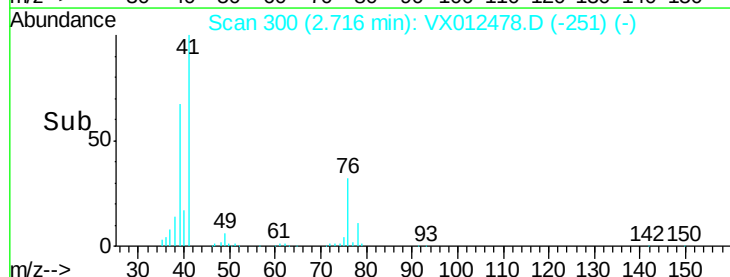
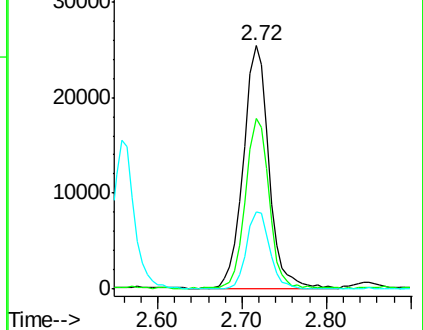
76 29.1 22.6 33.8

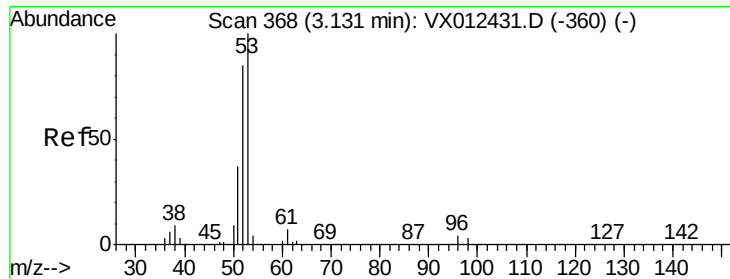


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 89.484 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

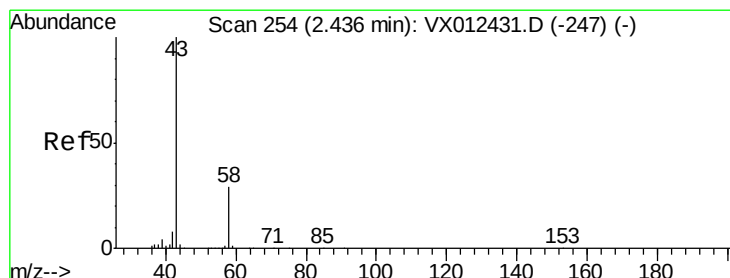
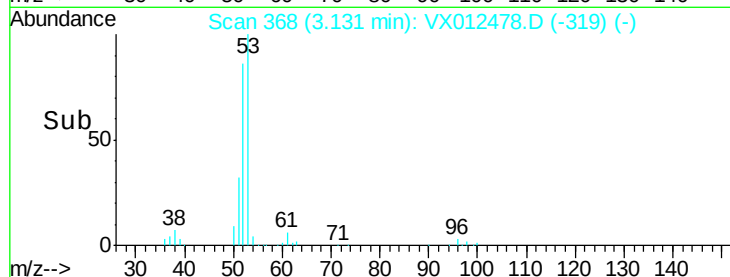
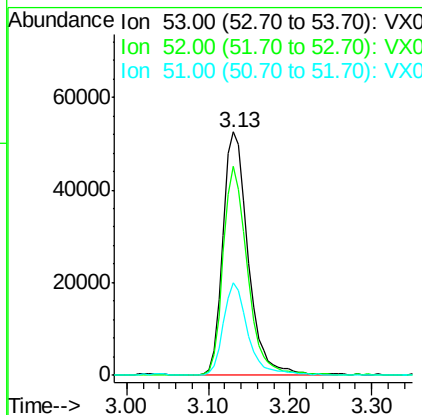
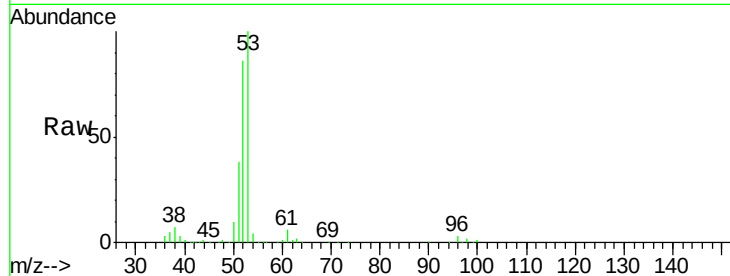
ClientSampled :

VX0918WBSD01

Tot Ion:	53	Resp:	112948
Ion Ratio	Lower	Upper	
53	100		
52	82.0	67.0	100.4
51	37.3	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 87.738 ug/l

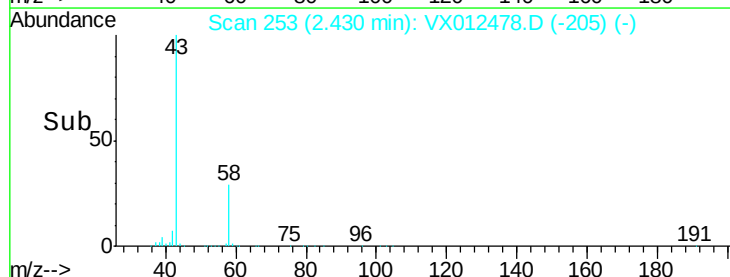
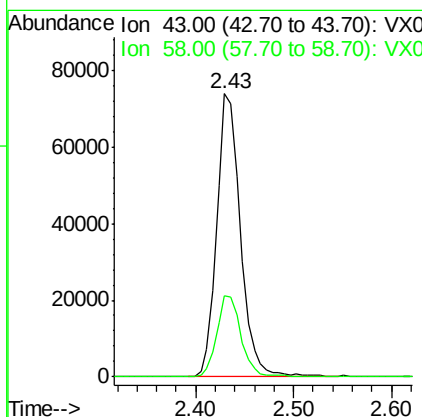
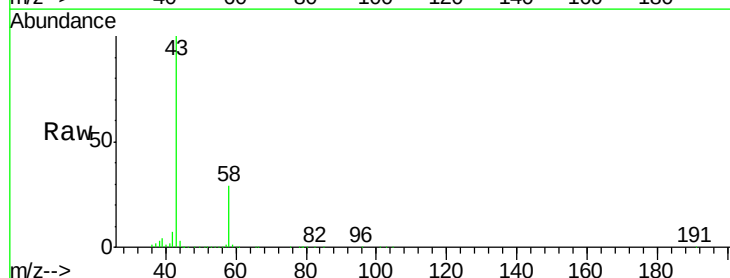
RT: 2.43 min Scan# 253

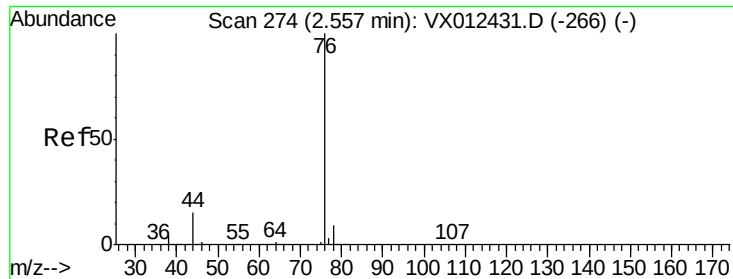
Delta R.T. -0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	43	Resp:	123648
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.3	34.9





#17

Carbon Disulfide

Concen: 16.179 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 76 Resp: 26946

Ion Ratio Lower Upper

76 100

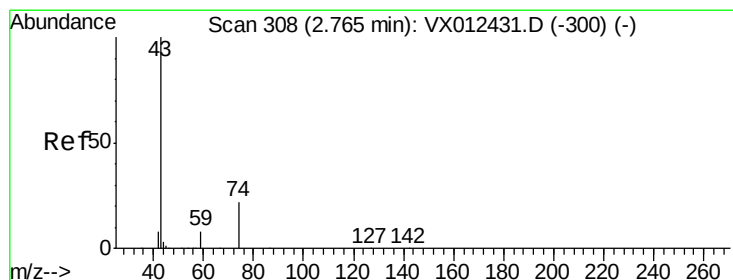
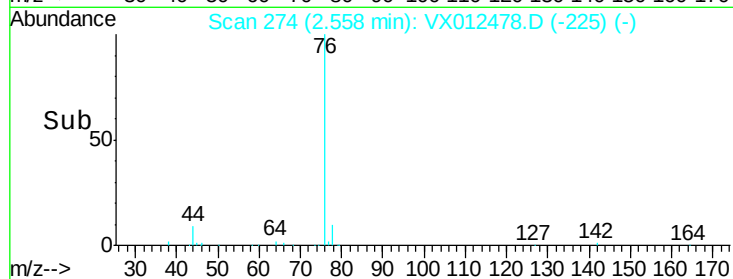
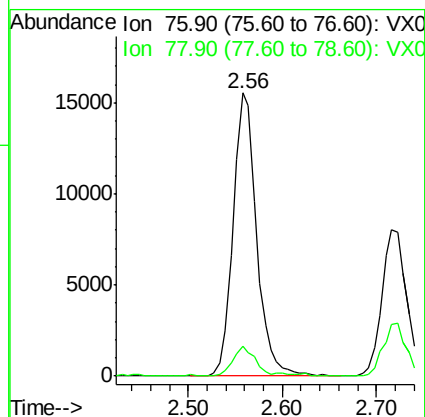
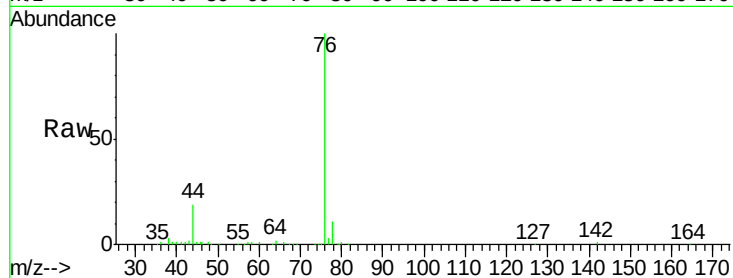
78 10.7 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 17.728 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012478.D

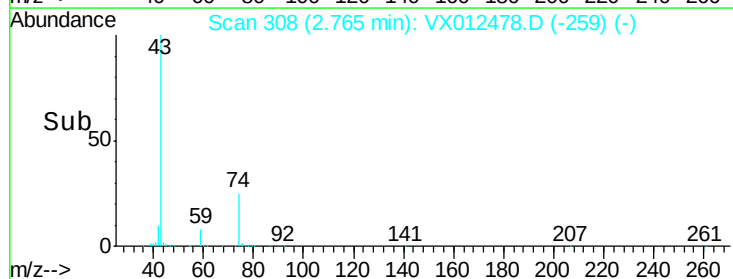
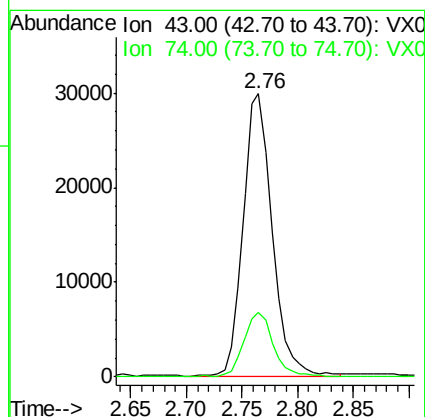
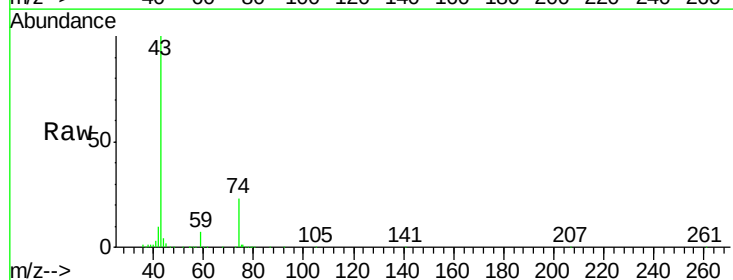
Acq: 18 Sep 2019 16:57

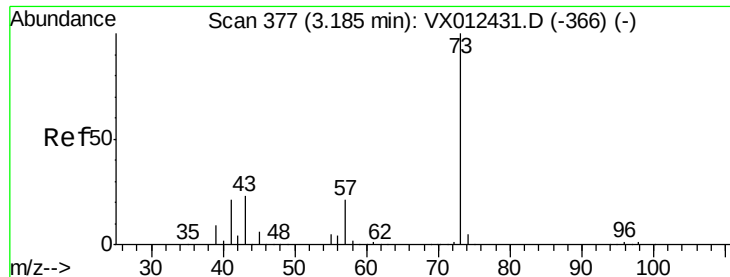
Tgt Ion: 43 Resp: 53809

Ion Ratio Lower Upper

43 100

74 23.8 17.7 26.5





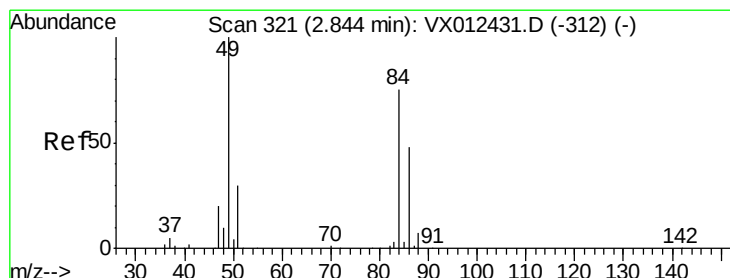
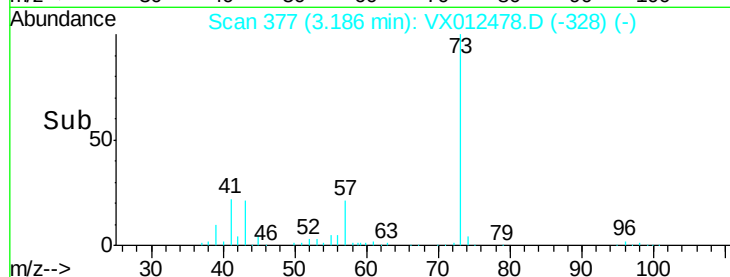
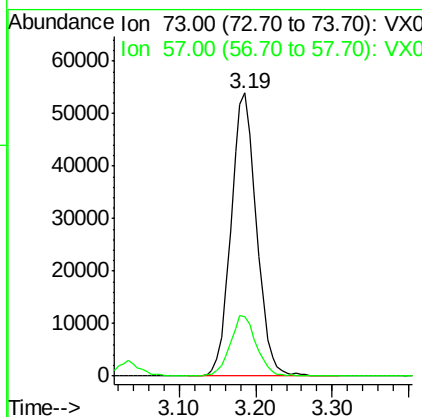
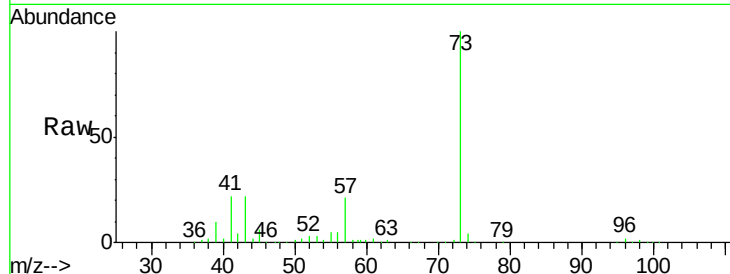
#19
Methyl tert-butyl Ether
Concen: 17.787 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	16.8	25.2

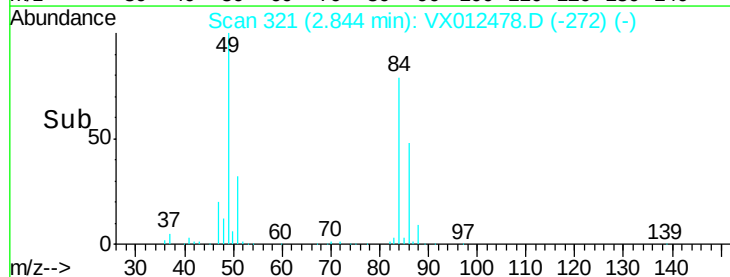
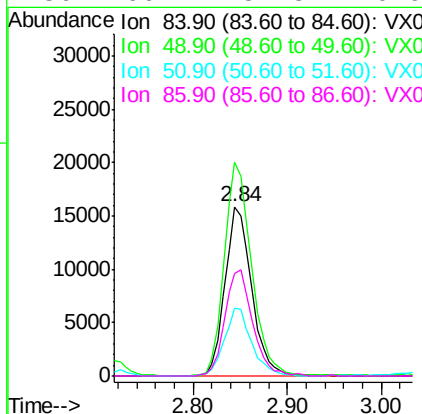
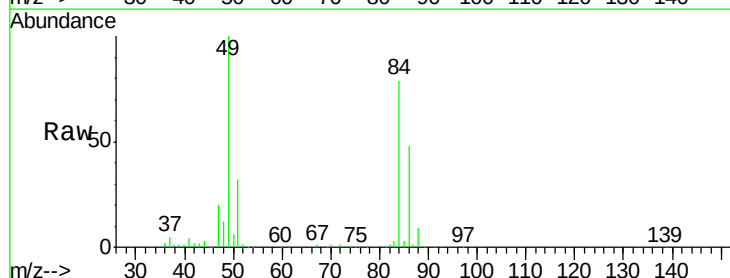
Manual Integrations
APPROVED

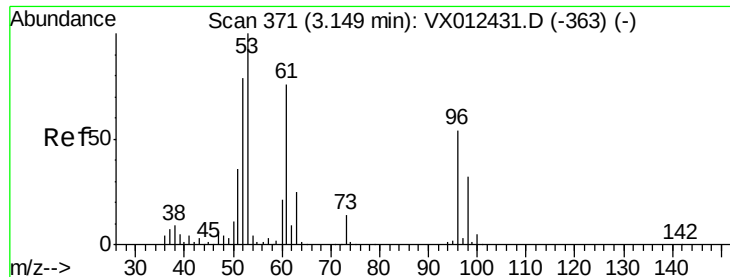
MMDadoda
9/19/2019 1:04:41 PM



#20
Methylene Chloride
Concen: 17.725 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	106.8	160.2
51	40.5	32.3	48.5
86	60.7	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 18.019 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 96 Resp: 23909

Ion Ratio Lower Upper

96 100

61 147.4 112.0 168.0

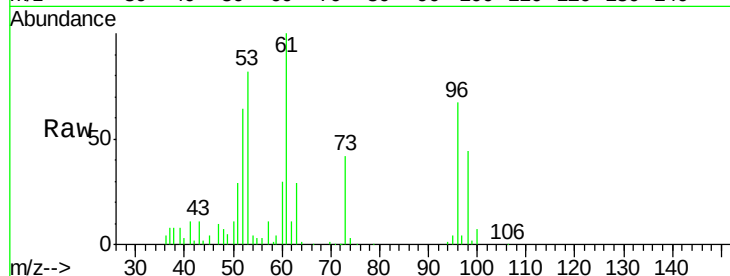
98 65.2 47.8 71.8

Manual Integrations

APPROVED

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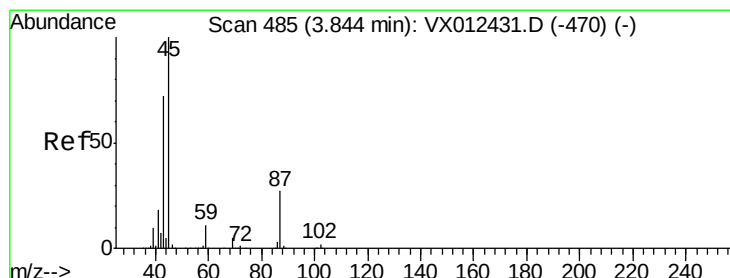
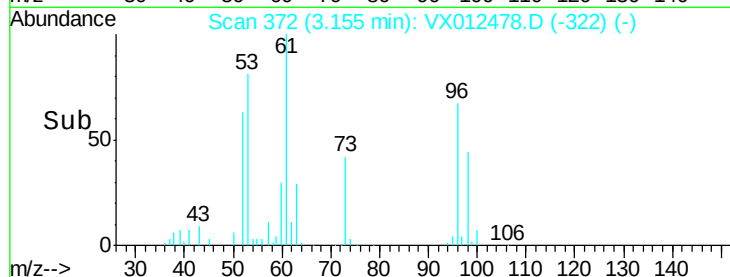
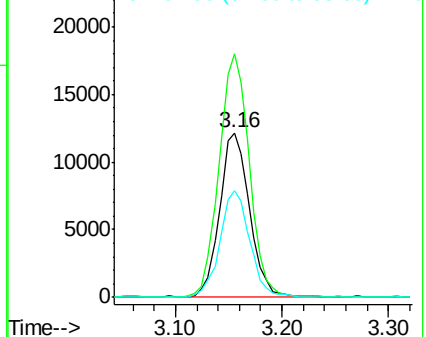


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.609 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion: 45 Resp: 122653

Ion Ratio Lower Upper

45 100

43 72.8 57.8 86.8

87 25.9 21.3 31.9

59 10.0 8.5 12.7

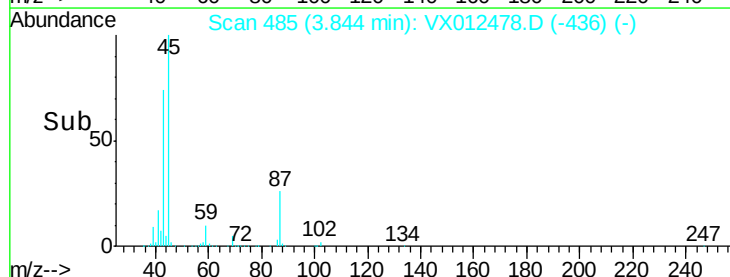
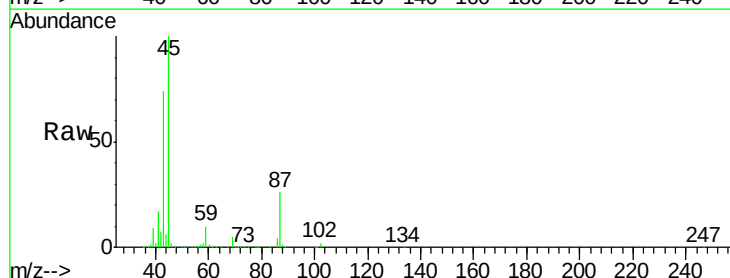
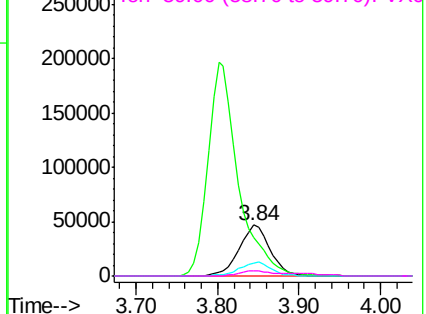
Abundance

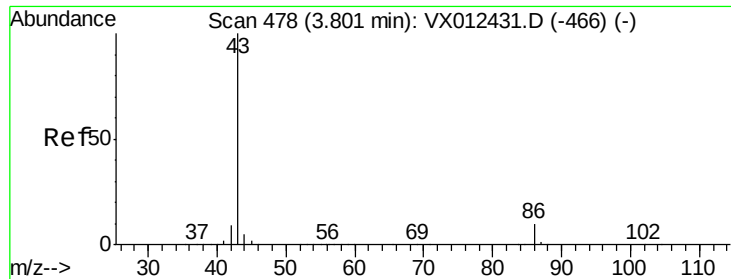
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 89.316 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 43 Resp: 511754

Ion Ratio Lower Upper

43 100

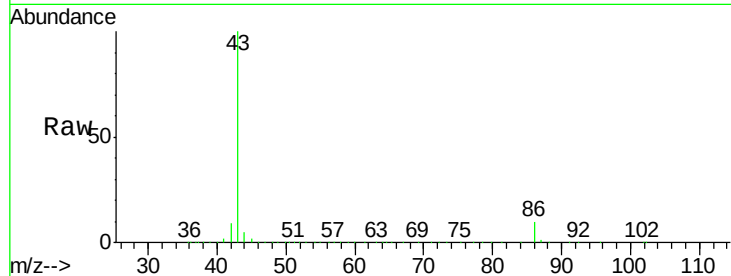
86 9.9 7.8 11.8

Manual Integrations

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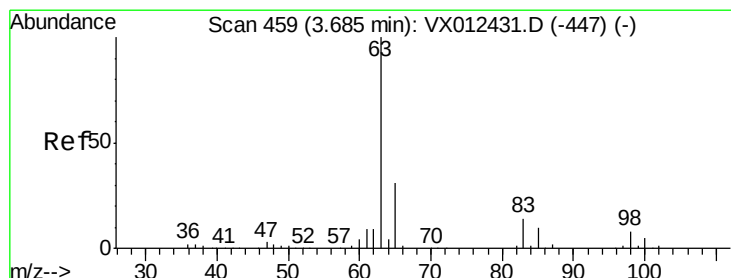
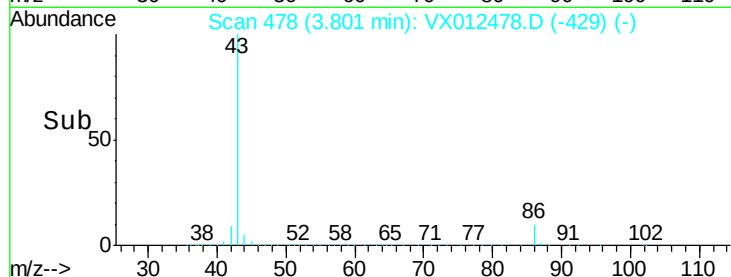
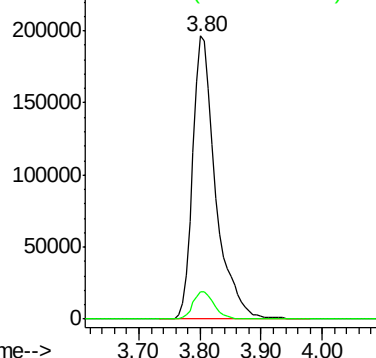
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.117 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

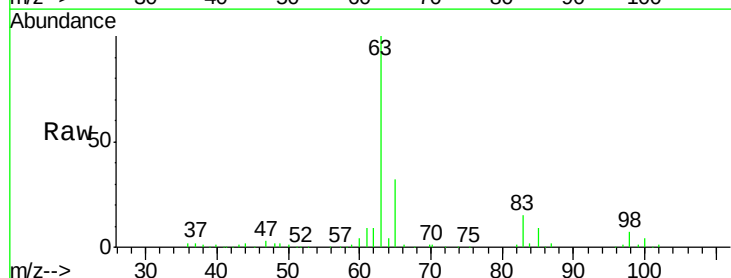
Tgt Ion: 63 Resp: 60378

Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.7

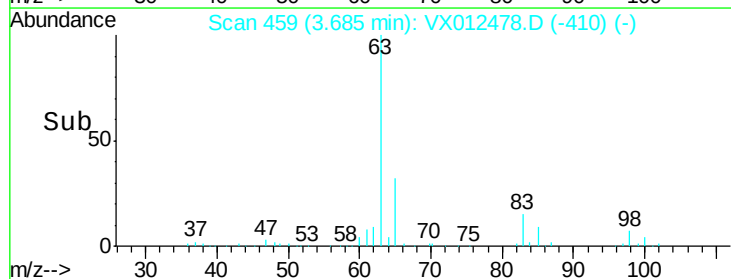
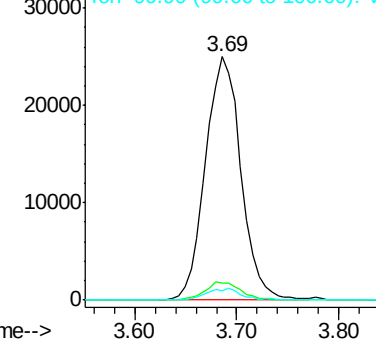
100 4.0 2.3 6.9

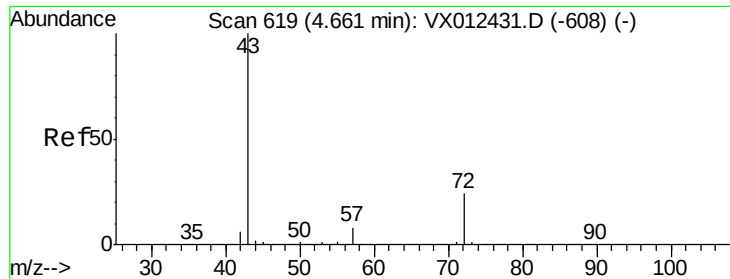


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 85.202 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

Tot Ion: 43 Resp: 172149

Ion Ratio Lower Upper

43 100

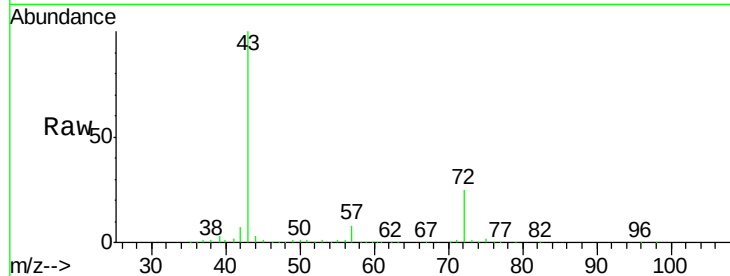
72 25.0 19.2 28.8

Manual Integrations

APPROVED

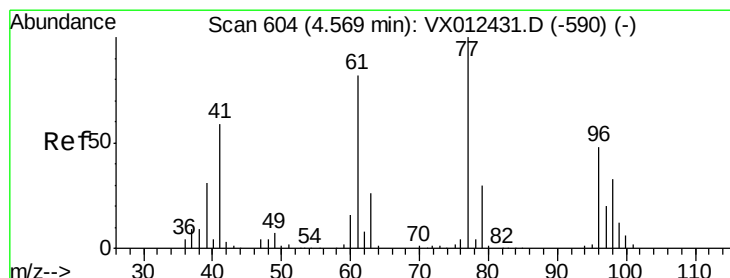
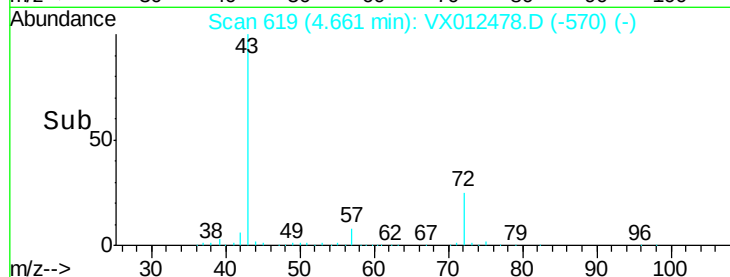
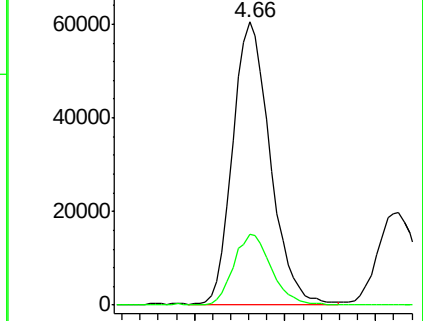
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.227 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX012478.D

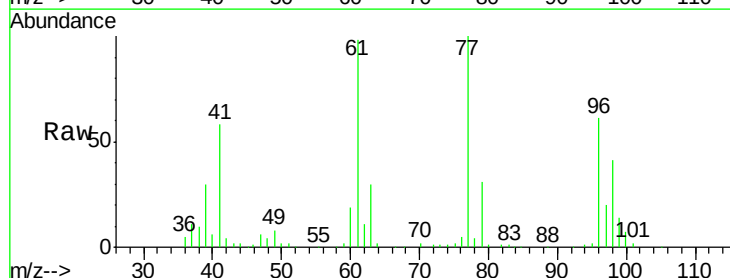
Acq: 18 Sep 2019 16:57

Tgt Ion: 77 Resp: 56463

Ion Ratio Lower Upper

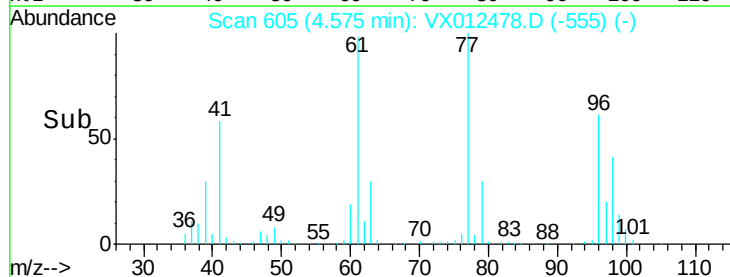
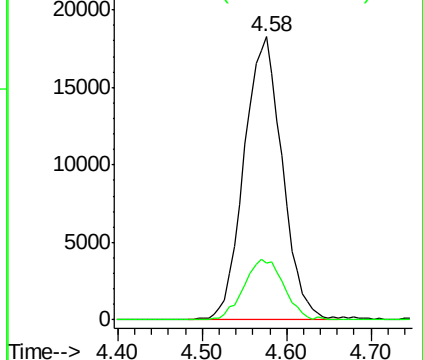
77 100

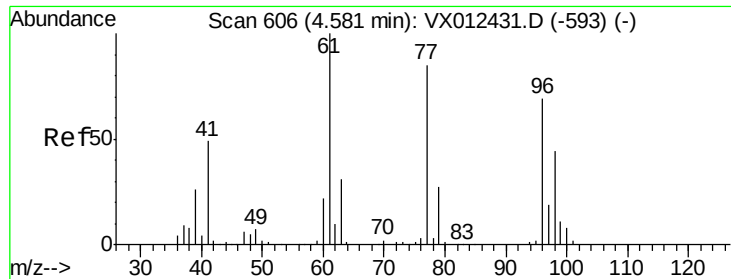
97 22.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

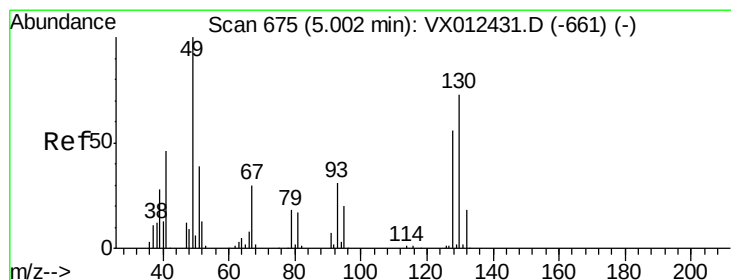
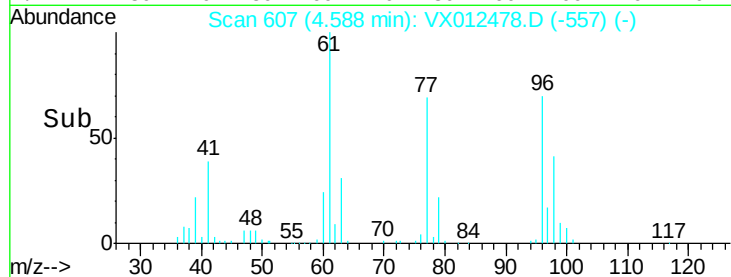
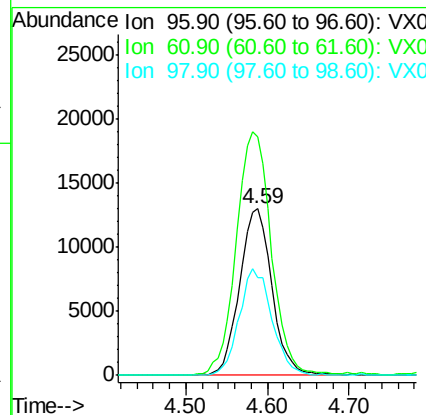
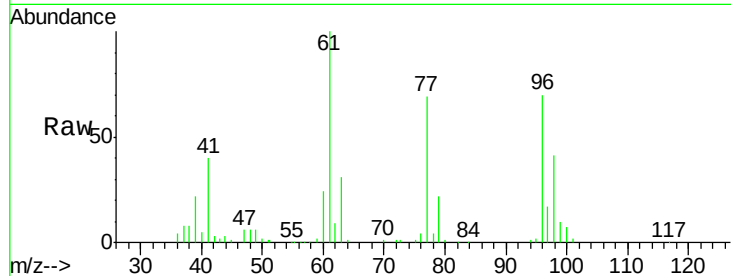
cis-1,2-Dichloroethene
Concen: 18.028 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	319.4
98	64.7	0.0	130.6

Manual Integrations
APPROVED

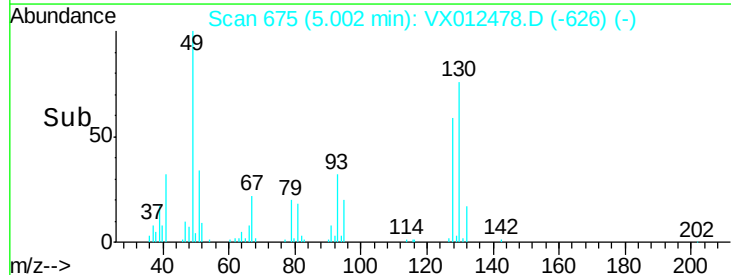
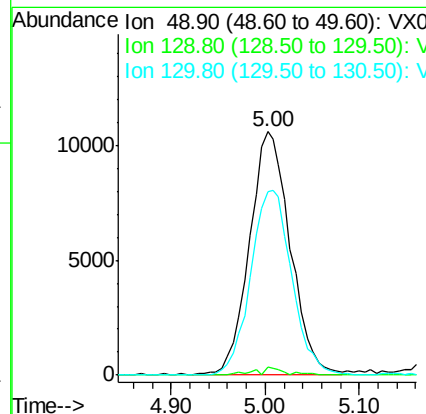
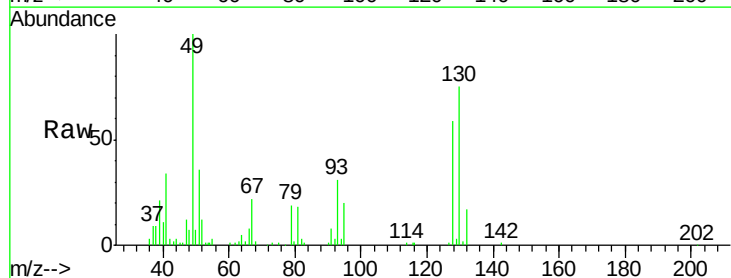
MMDadoda
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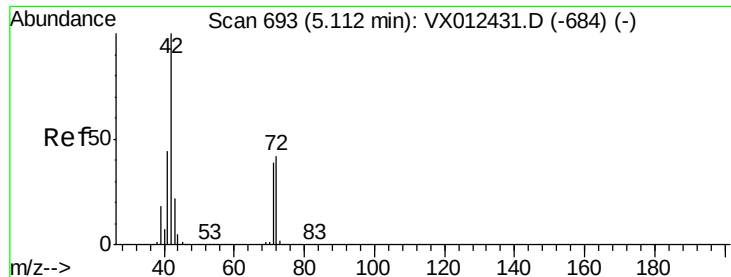


#28

Bromochloromethane
Concen: 18.727 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.4	58.2	87.4





#29

Tetrahydrofuran

Concen: 90.558 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

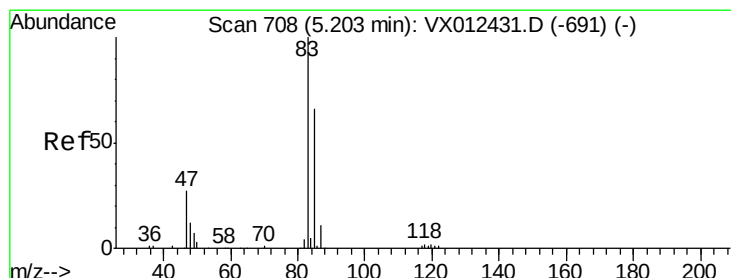
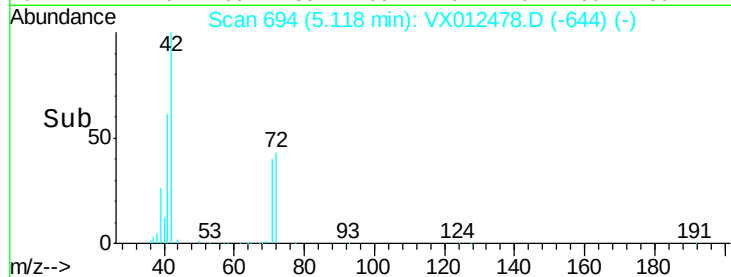
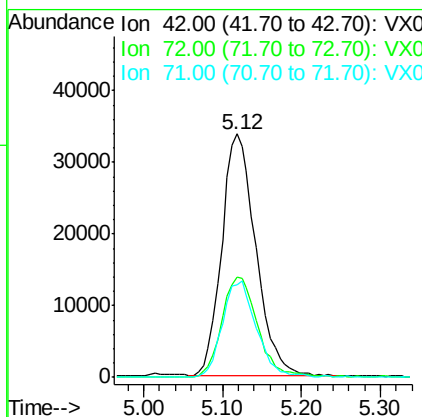
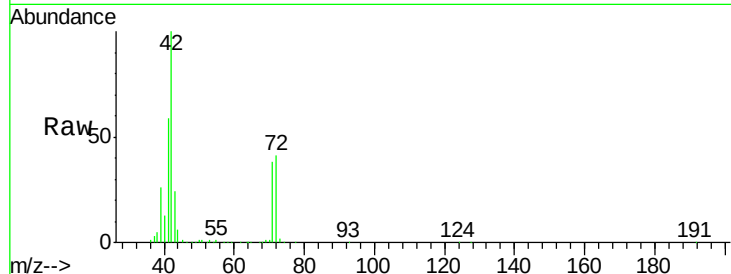
ClientSampleId :

VX0918WBSD01

Tot Ion:	42	Resp:	101080
Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.0	51.0
71	40.0	31.5	47.3

Manual Integrations
APPROVED

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#30

Chloroform

Concen: 17.569 ug/l

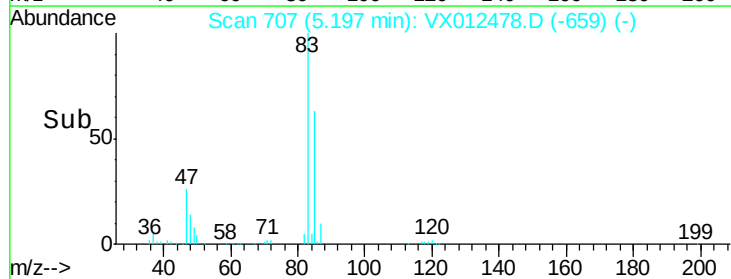
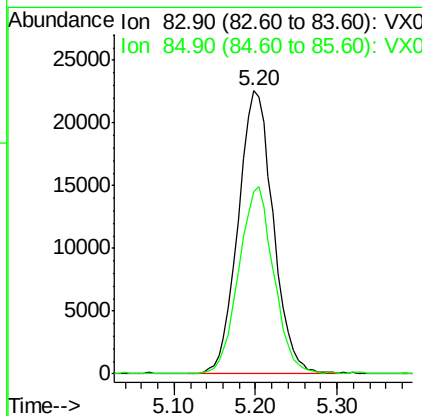
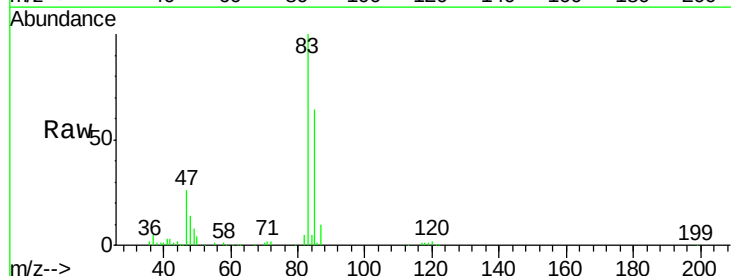
RT: 5.20 min Scan# 707

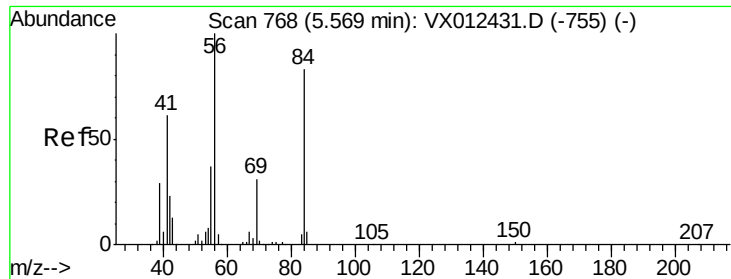
Delta R.T. -0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	83	Resp:	67242
Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.0	79.4





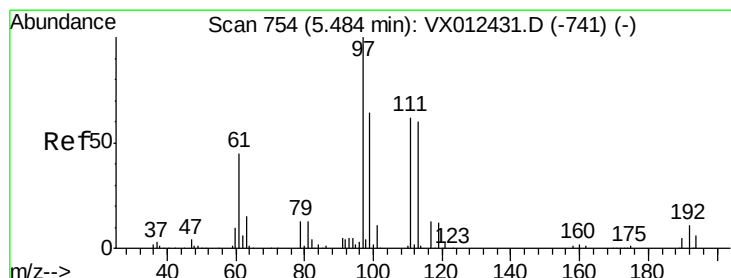
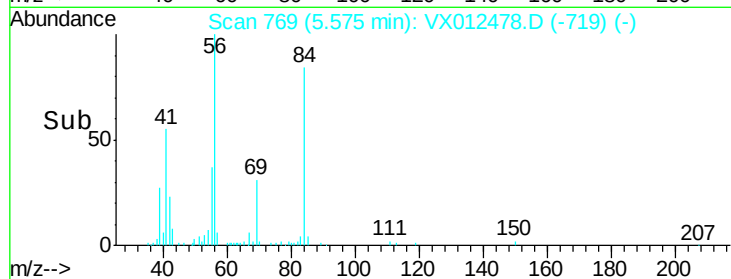
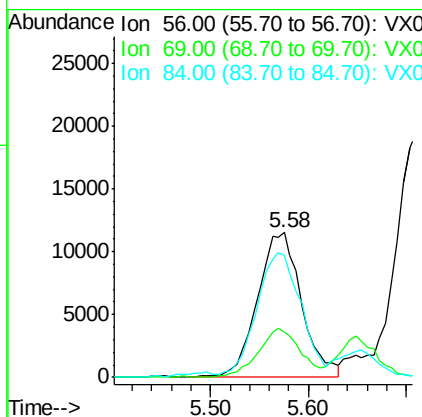
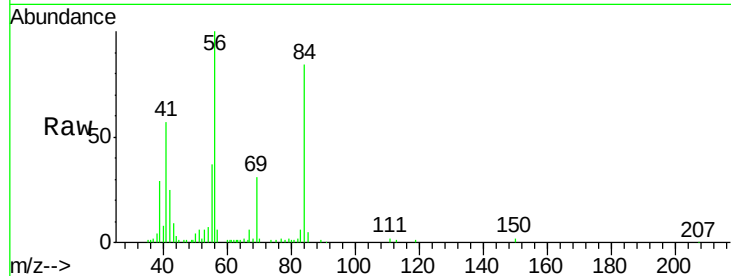
#31
Cyclohexane
Concen: 18.017 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.6
84	82.0	66.4	99.6

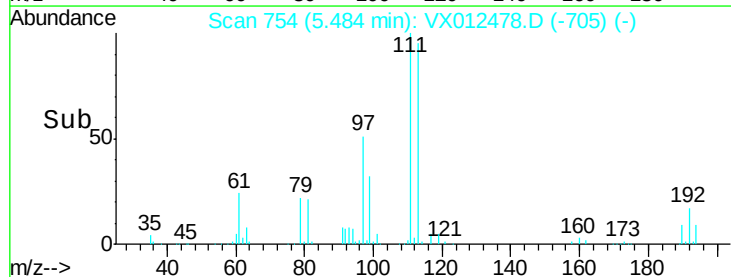
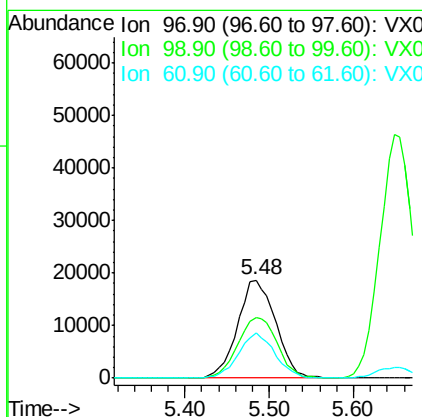
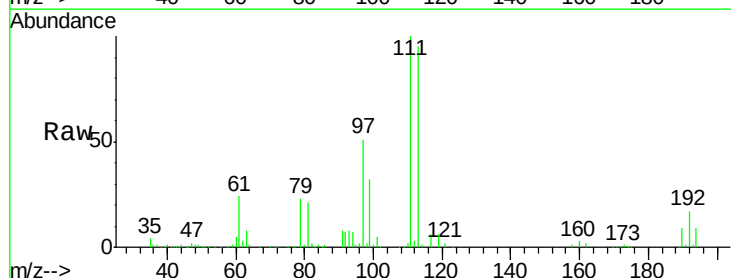
Manual Integrations
APPROVED

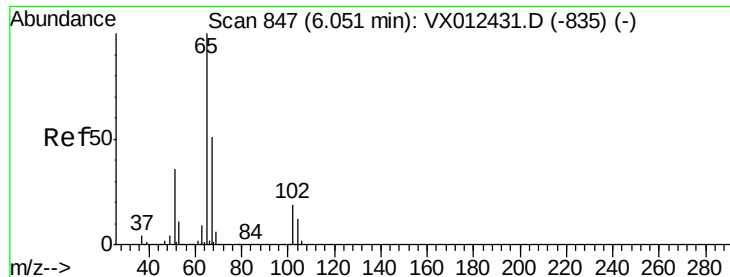
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.782 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	44.3	36.1	54.1





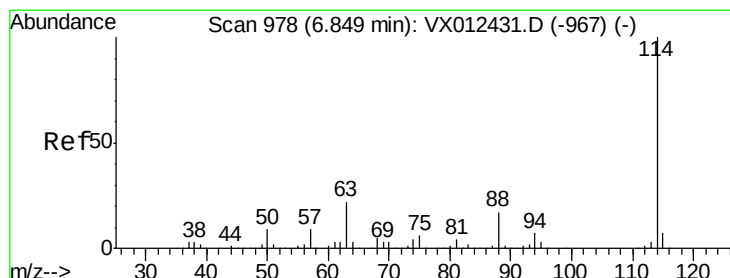
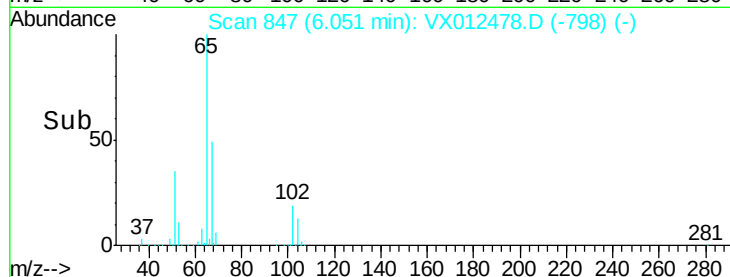
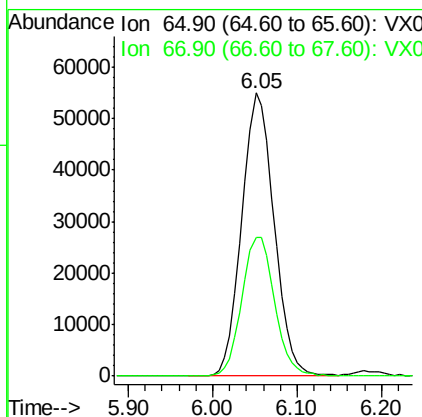
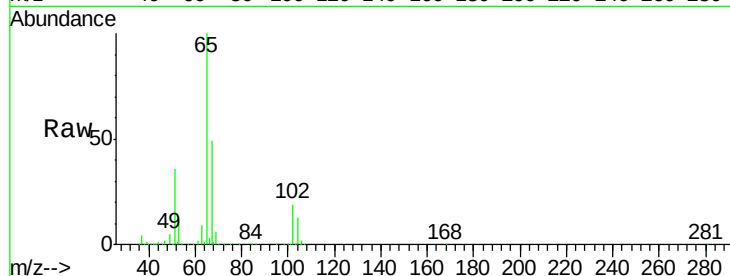
#33
 1,2-Dichloroethane-d4
 Concen: 49.002 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	101.2

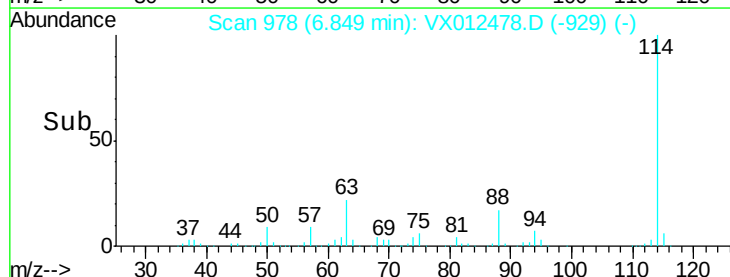
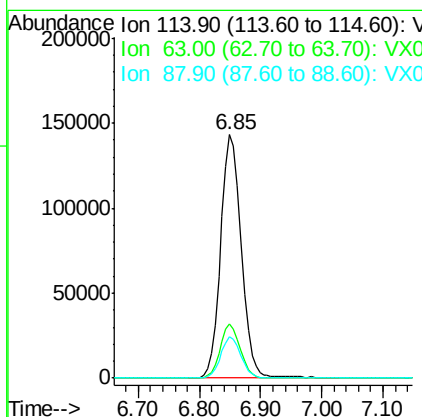
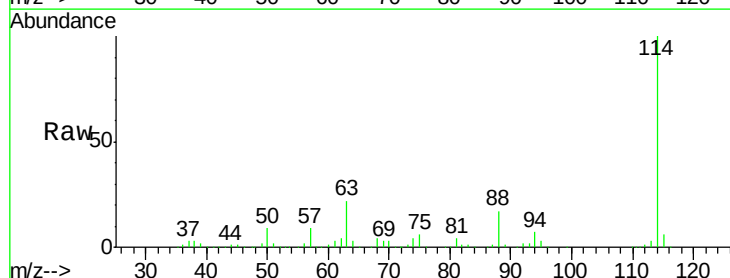
Manual Integrations
 APPROVED

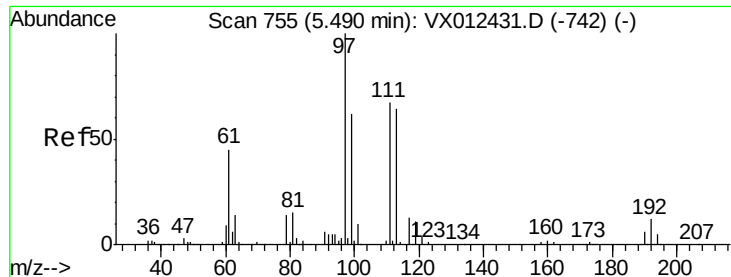
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 9/19/2019 1:04:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.2
88	17.0	0.0	33.2





#35

Dibromofluoromethane

Concen: 50.500 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

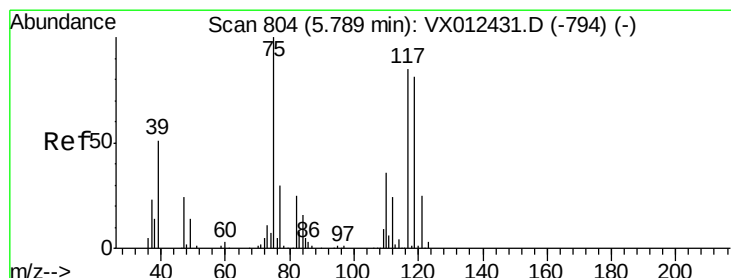
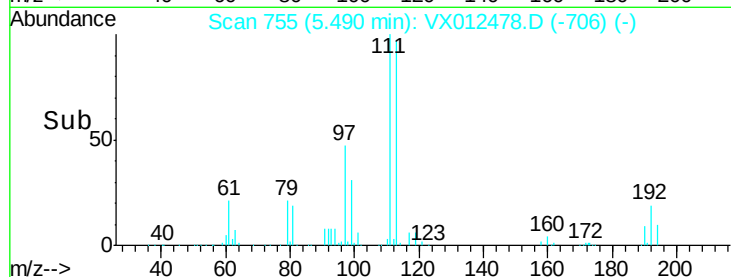
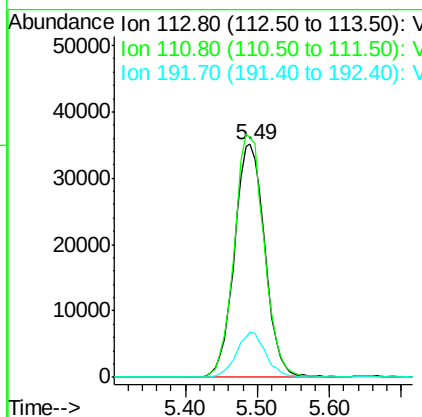
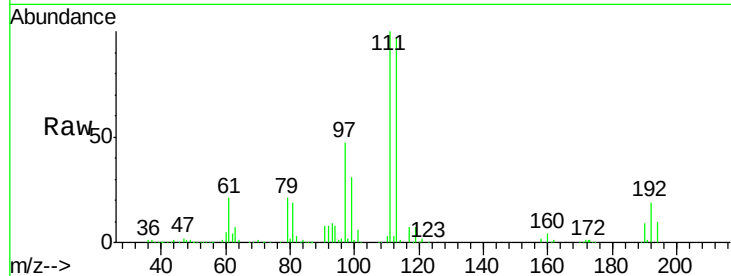
ClientSampleId :

VX0918WBSD01

Tot Ion:	113	Resp:	103139
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.4	125.2
192	18.8	14.4	21.6

Manual Integrations
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9/19/2019 1:04:41 PM



#36

1,1-Dichloropropene

Concen: 17.605 ug/l

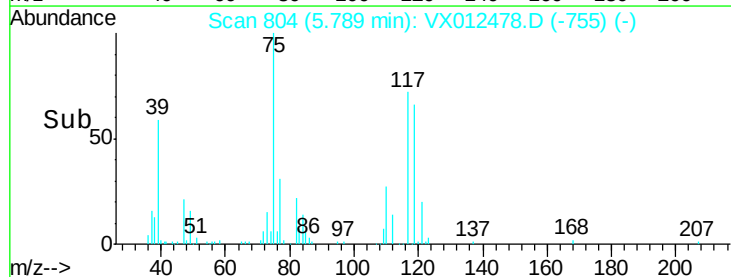
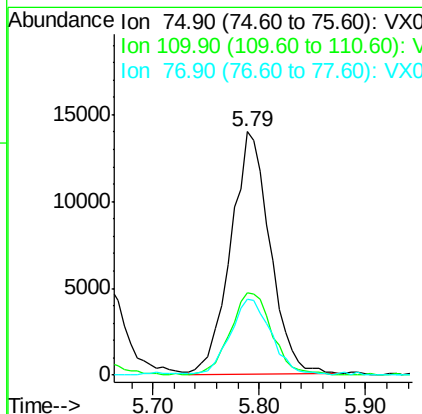
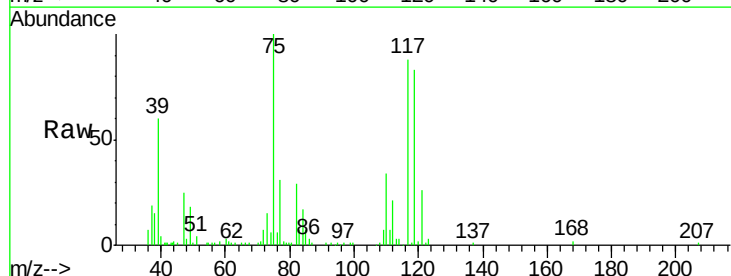
RT: 5.79 min Scan# 804

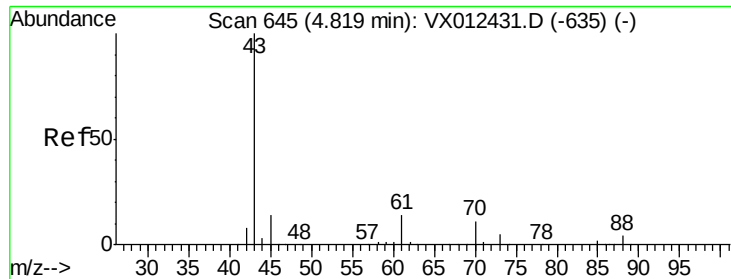
Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	75	Resp:	36103
Ion Ratio	Lower	Upper	
75	100		
110	36.2	16.7	50.0
77	33.0	24.2	36.2





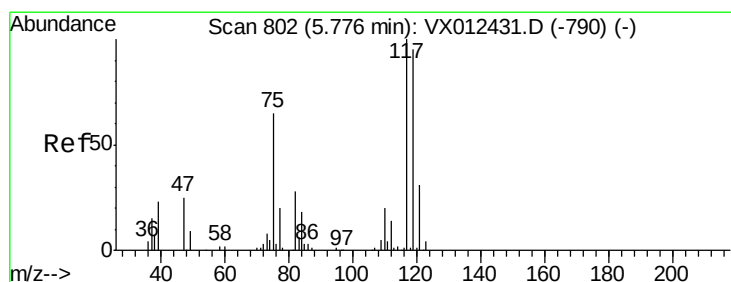
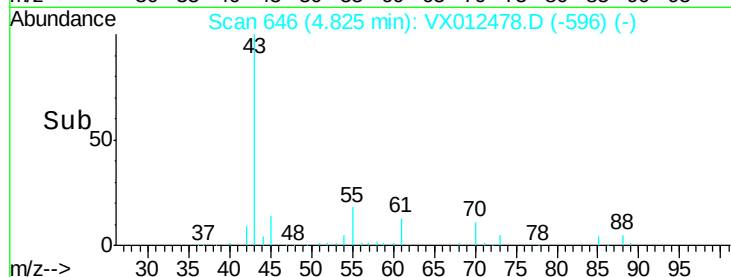
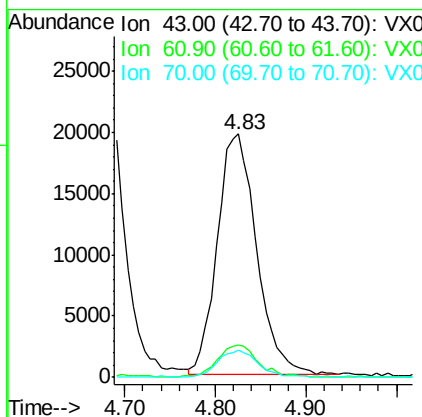
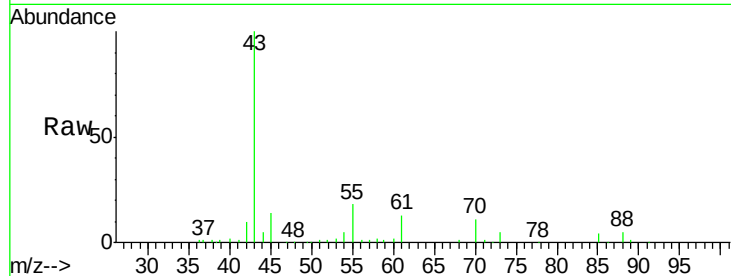
#37
Ethyl Acetate
Concen: 18.754 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.4
70	11.4	8.7	13.1

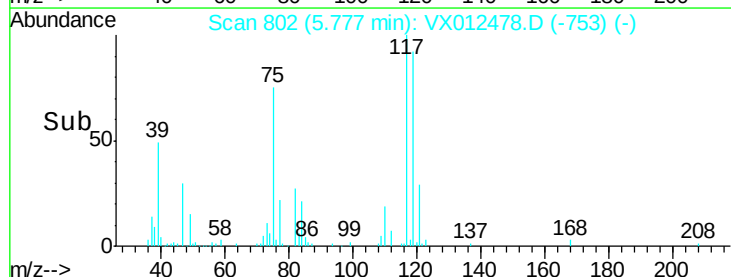
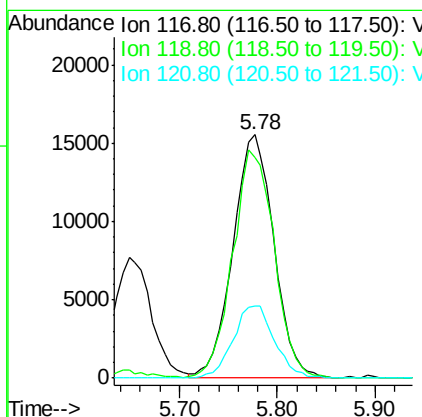
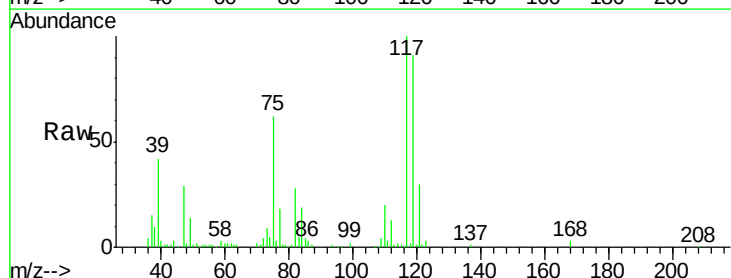
Manual Integrations
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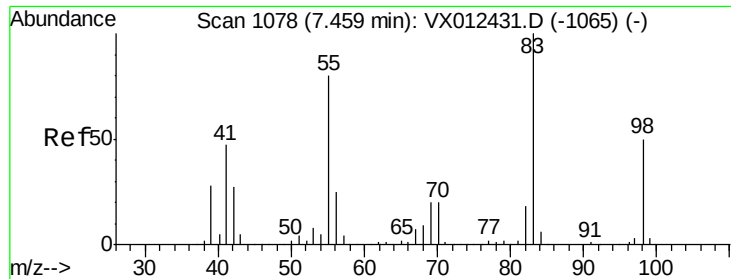
MMDadoda
9/19/2019 1:04:41 PM



#38
Carbon Tetrachloride
Concen: 17.771 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	75.7	113.5
121	29.8	24.2	36.4





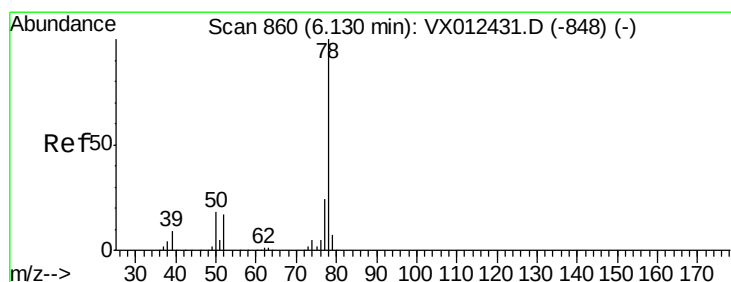
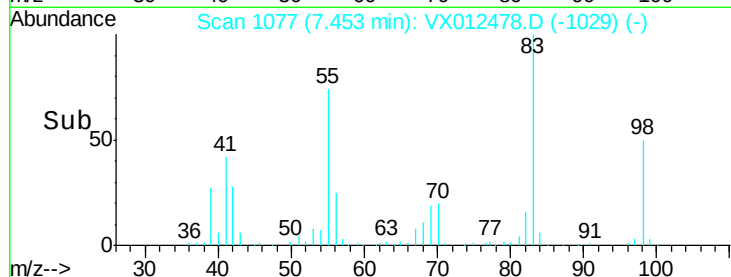
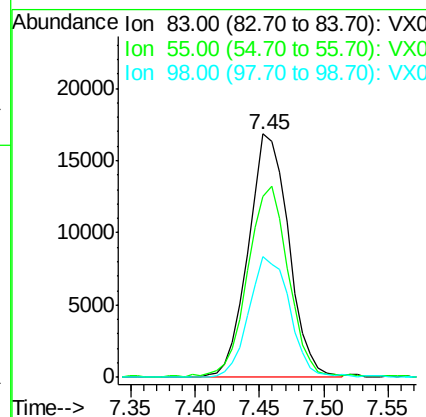
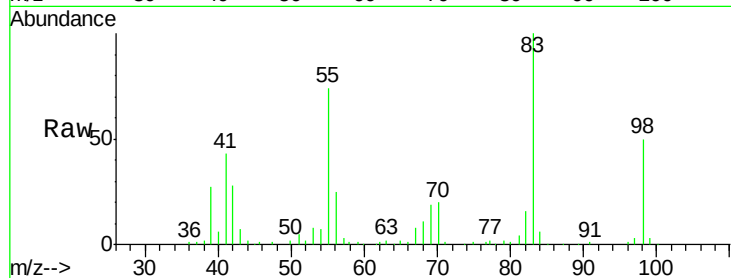
#39
Methylvlcyclohexane
Concen: 18.331 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	64.4	96.6
98	49.7	40.1	60.1

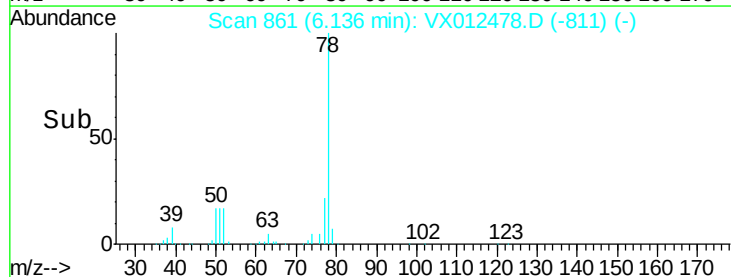
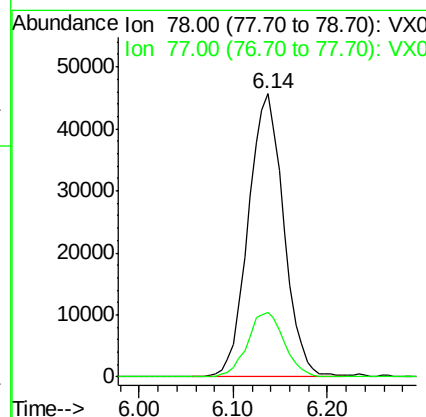
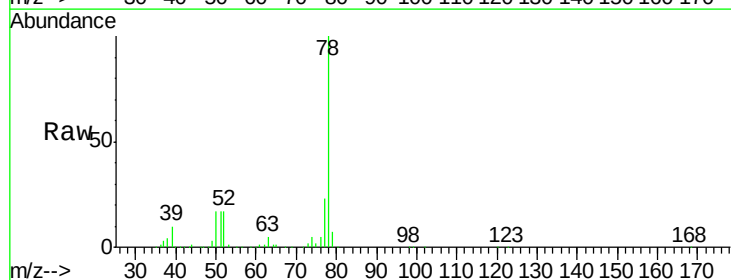
Manual Integrations
APPROVED

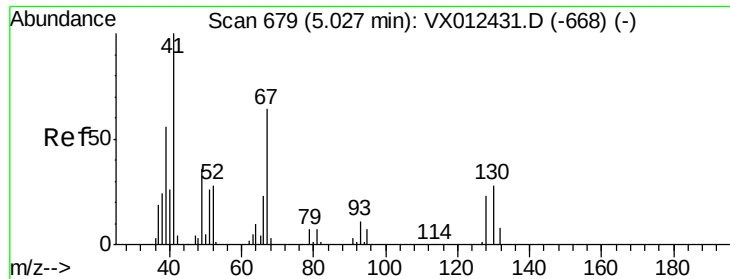
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#40
Benzene
Concen: 18.382 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8





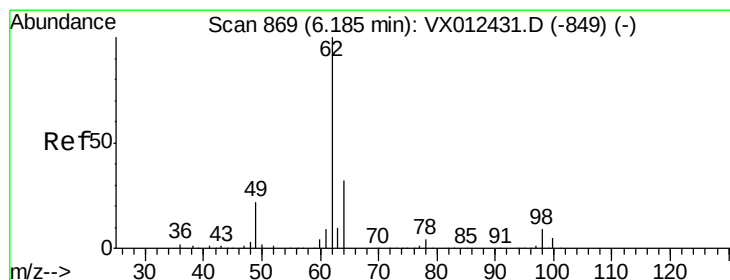
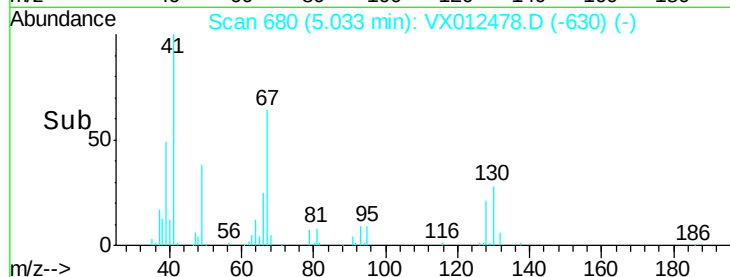
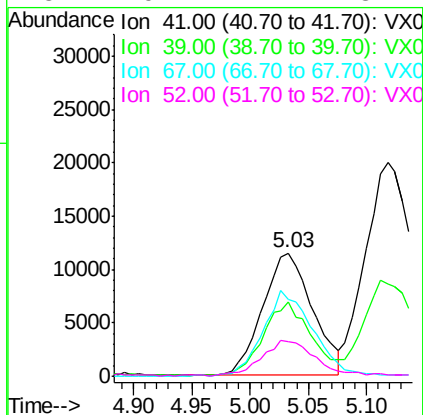
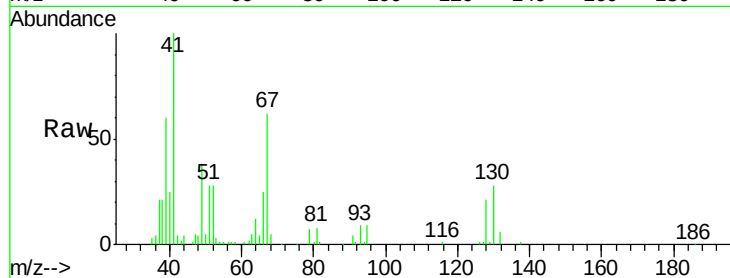
#41
Methacrylonitrile
Concen: 16.917 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.0	46.0	69.0	
67	69.7	52.2	78.2	
52	29.2	22.7	34.1	

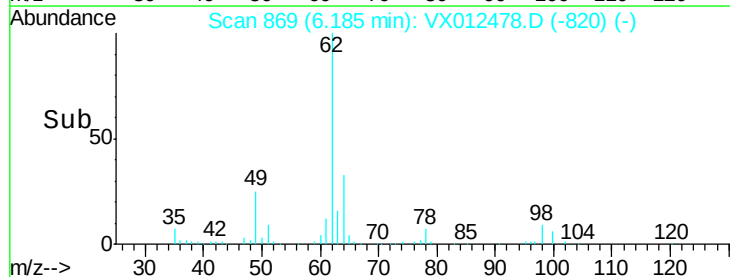
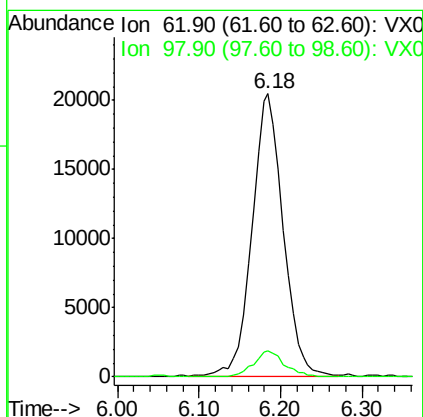
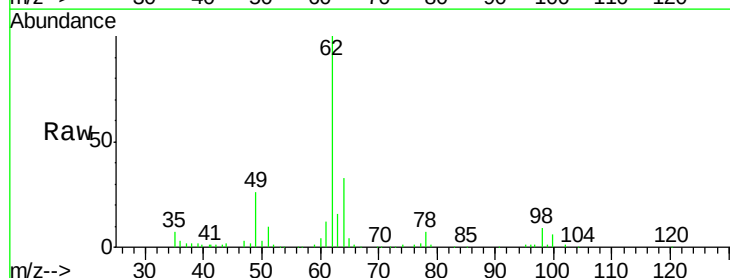
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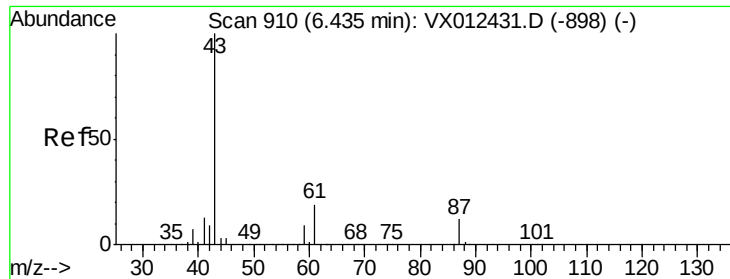
MMDadoda
9/19/2019 1:04:41 PM



#42
1,2-Dichloroethane
Concen: 18.104 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	





#43

Isopropyl Acetate

Concen: 17.768 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

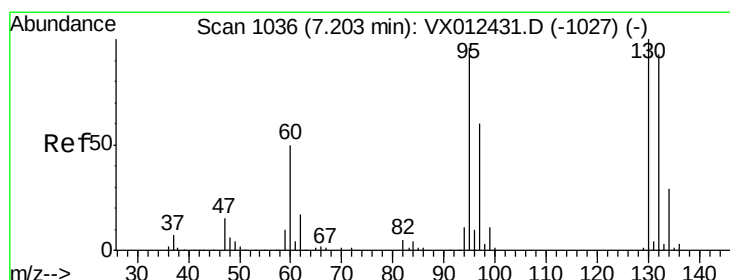
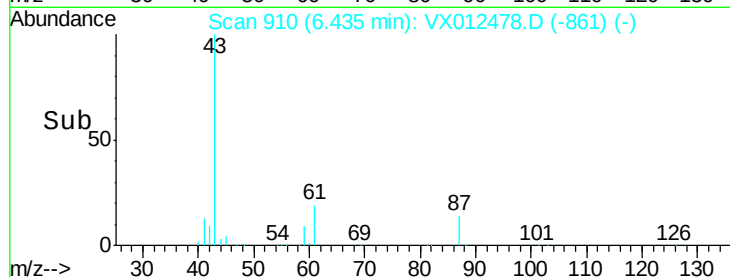
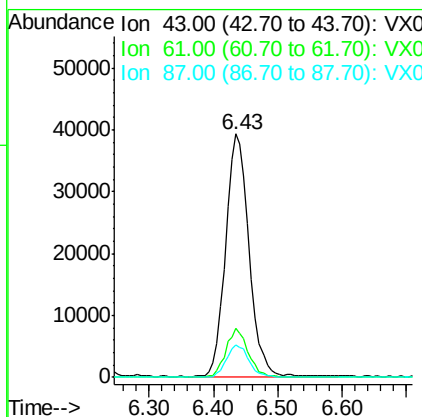
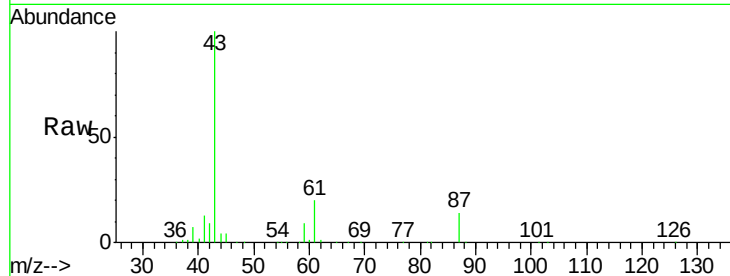
ClientSampleId :

VX0918WBSD01

Tot Ion:	43	Resp:	100386
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	12.9	9.8	14.8

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#44

Trichloroethene

Concen: 18.830 ug/l

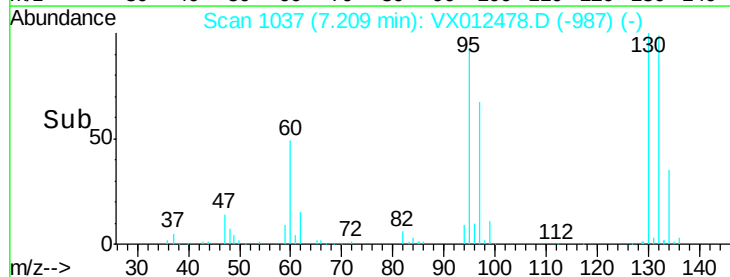
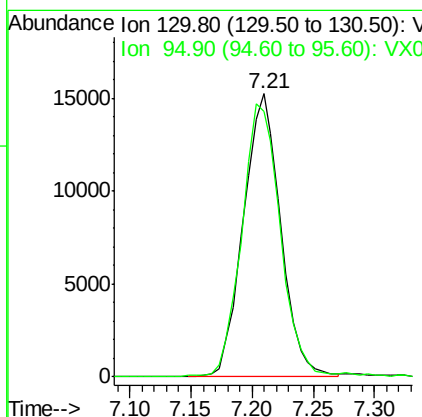
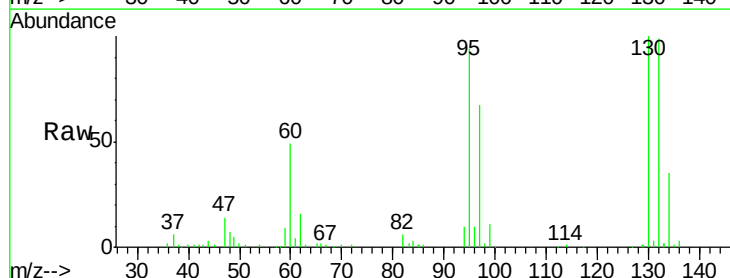
RT: 7.21 min Scan# 1037

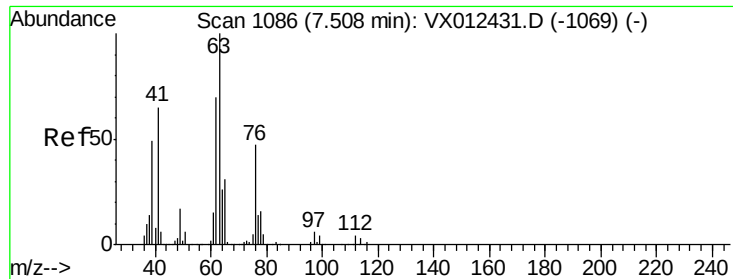
Delta R.T. 0.01 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	130	Resp:	32302
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	193.0





#45

1,2-Dichloropropane

Concen: 18.204 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 63 Resp: 36473

Ion Ratio Lower Upper

63 100

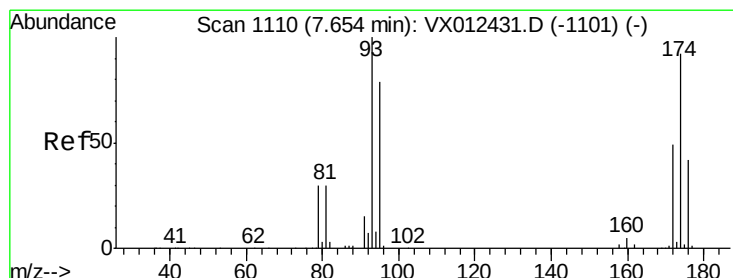
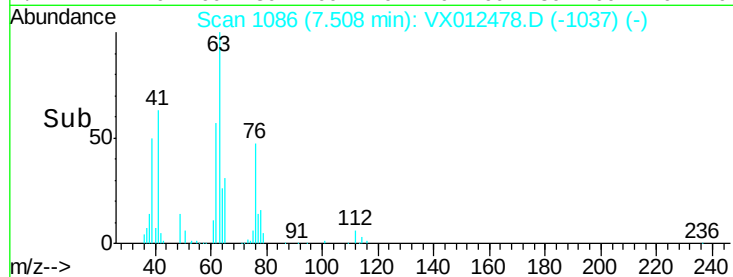
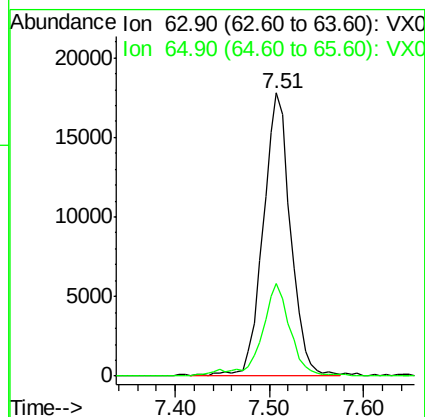
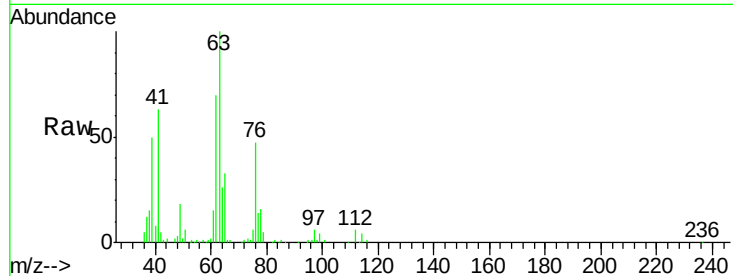
65 32.8 25.0 37.6

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#46

Dibromomethane

Concen: 18.154 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

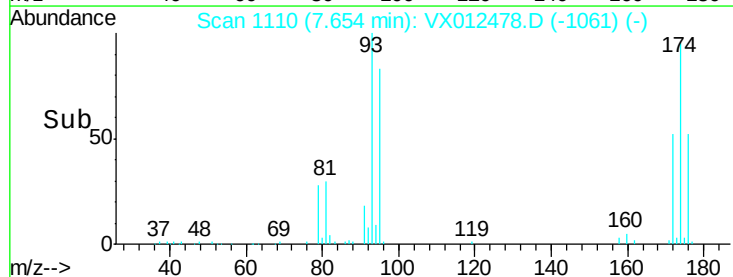
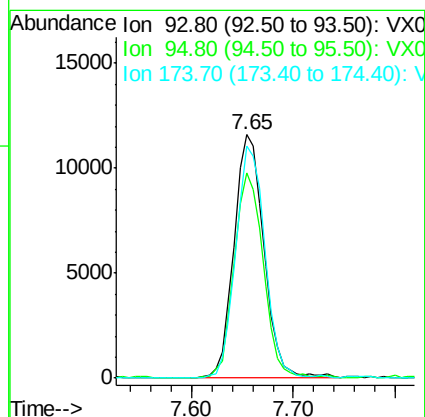
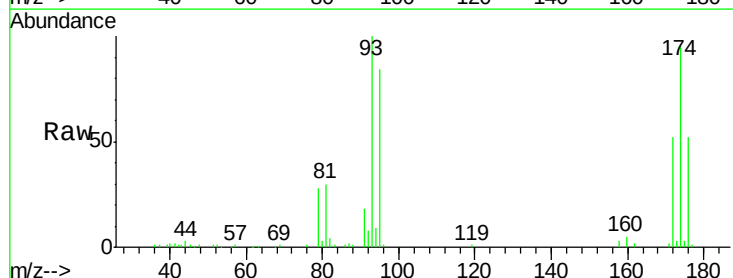
Tgt Ion: 93 Resp: 23537

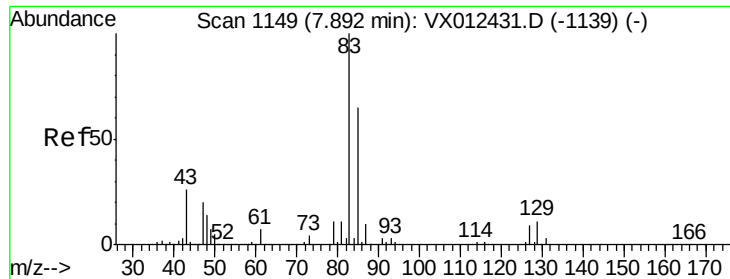
Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

174 93.0 77.4 116.0





#47

Bromodichloromethane

Concen: 17.393 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

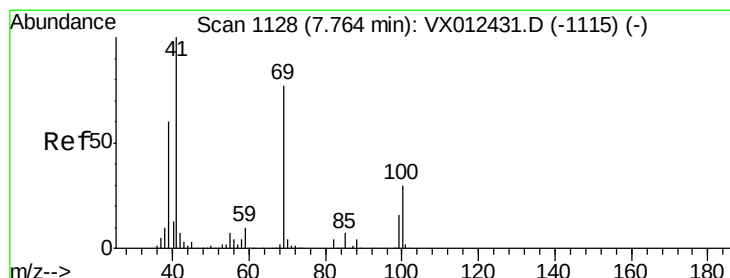
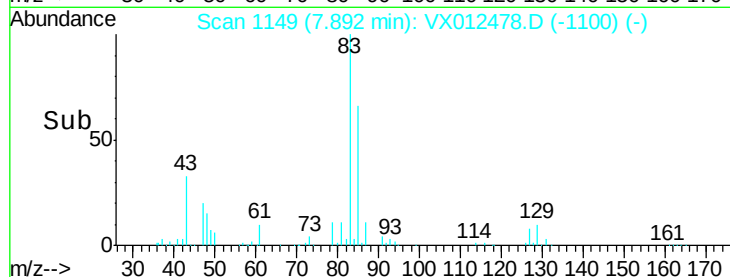
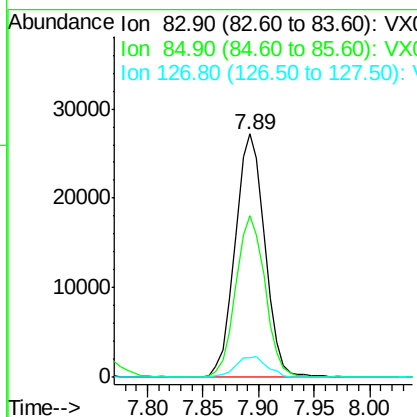
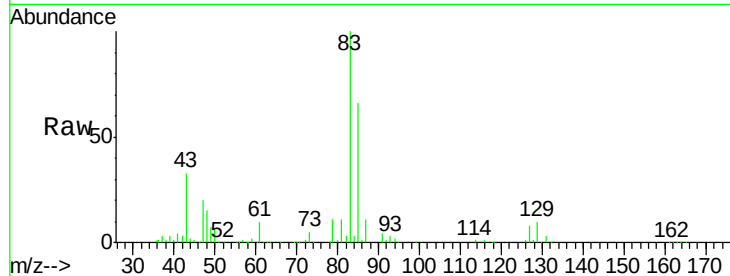
ClientSampled :

VX0918WBSD01

Tot Ion:	83	Resp:	50210
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.8	77.6
127	8.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.116 ug/l

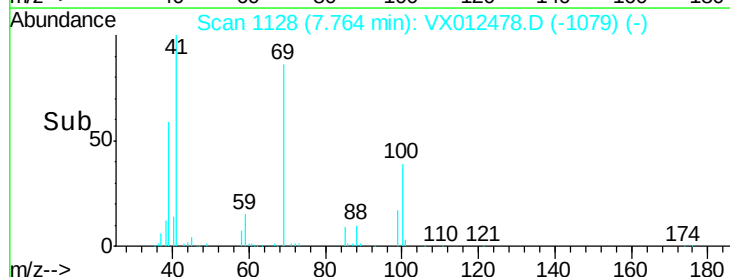
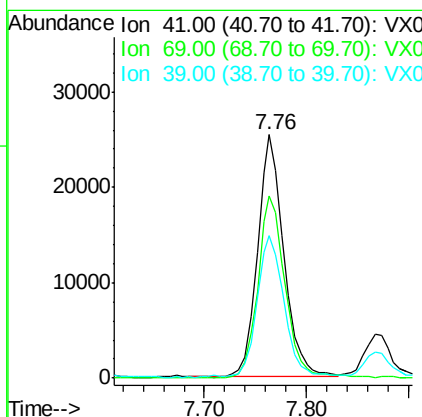
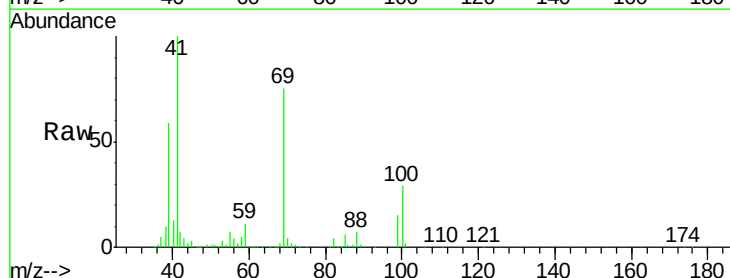
RT: 7.76 min Scan# 1128

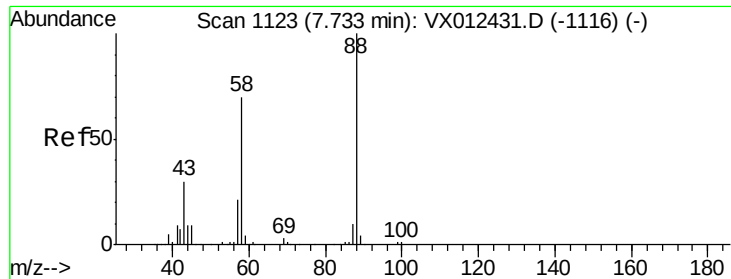
Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	41	Resp:	45585
Ion	Ratio	Lower	Upper
41	100		
69	78.7	59.9	89.9
39	59.6	47.8	71.6





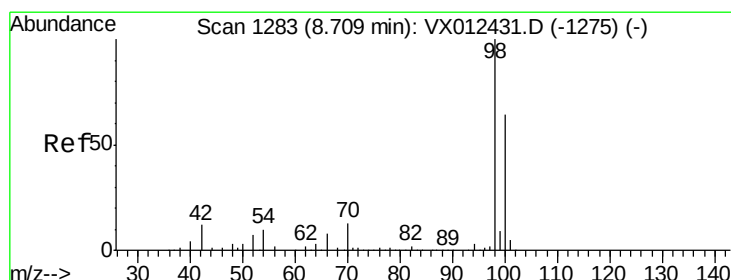
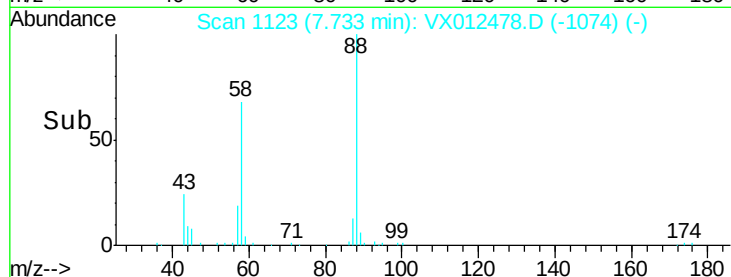
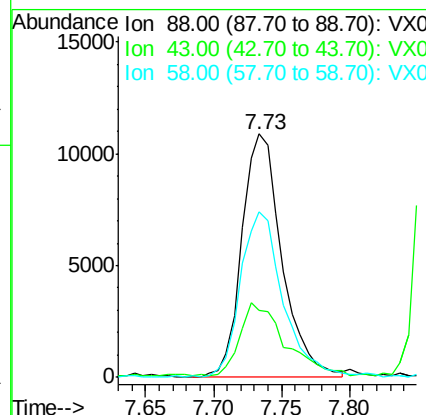
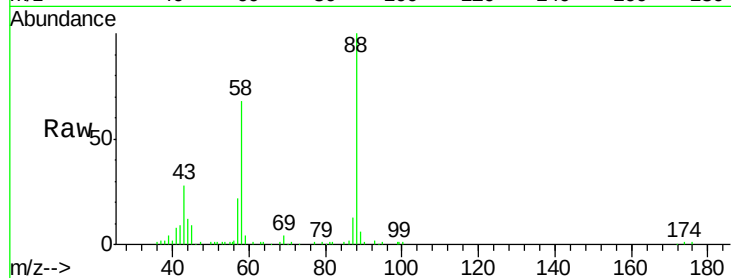
#49
1,4-Dioxane
Concen: 345.972 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	29.4	44.0
58	73.0	57.5	86.3

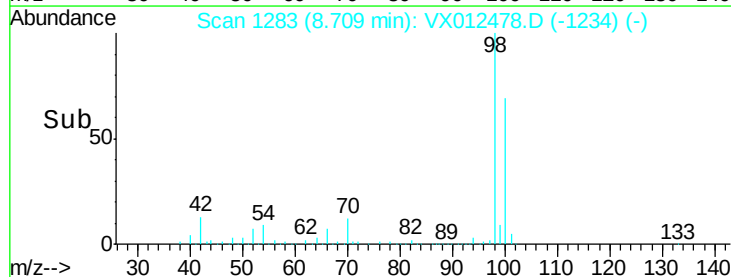
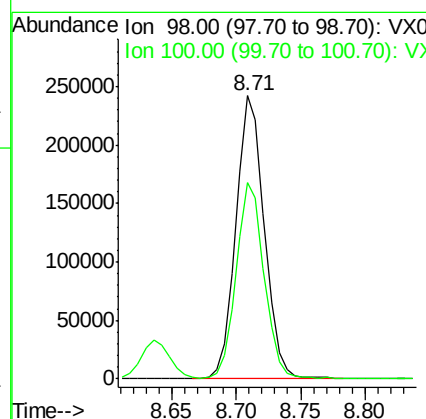
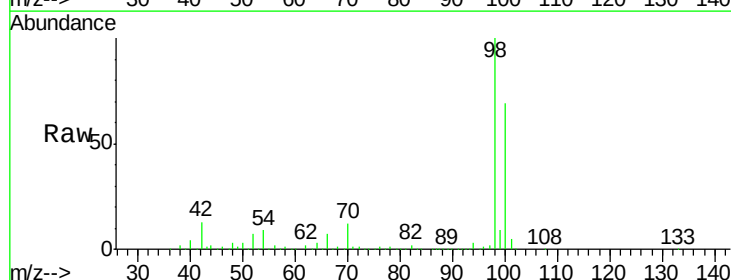
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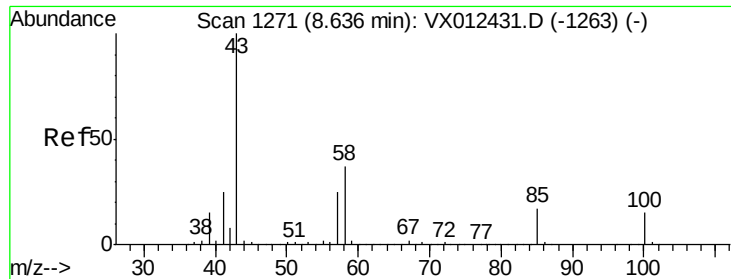
MMDadoda
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#50
Toluene-d8
Concen: 49.176 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 88.146 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 43 Resp: 326596

Ion Ratio Lower Upper

43 100

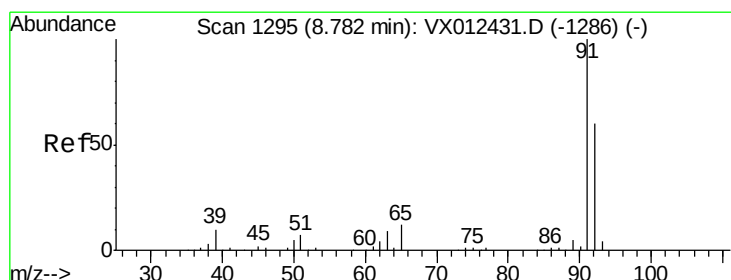
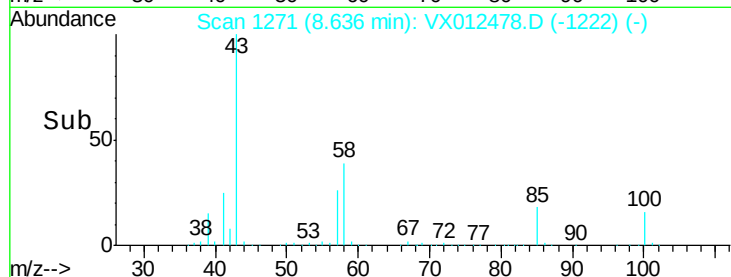
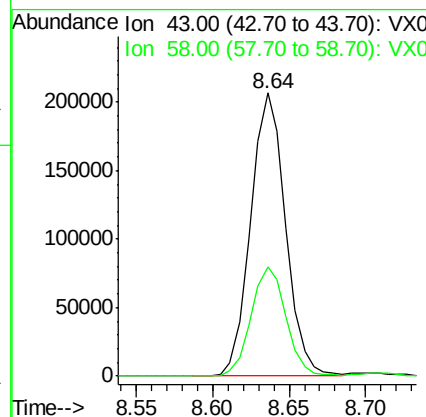
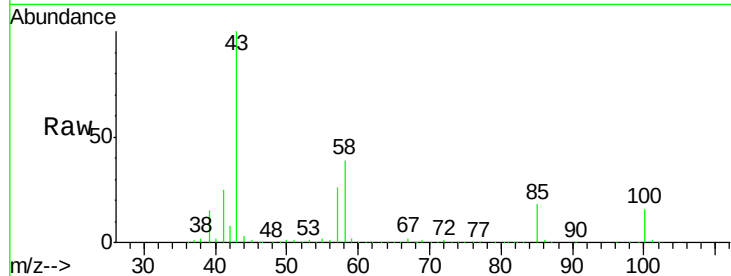
58 38.7 29.8 44.6

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#52

Toluene

Concen: 18.949 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012478.D

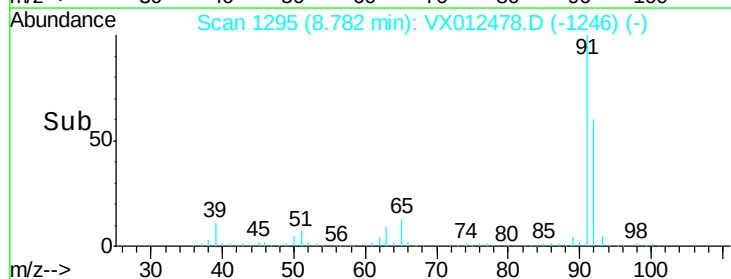
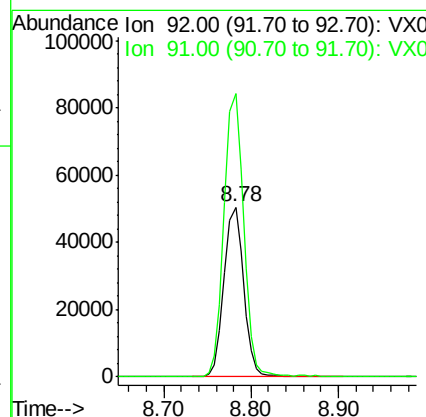
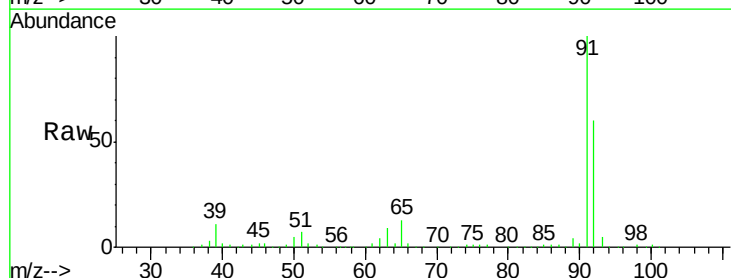
Acq: 18 Sep 2019 16:57

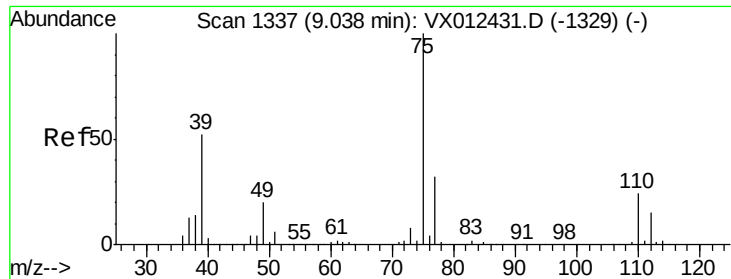
Tgt Ion: 92 Resp: 79627

Ion Ratio Lower Upper

92 100

91 164.8 135.4 203.0





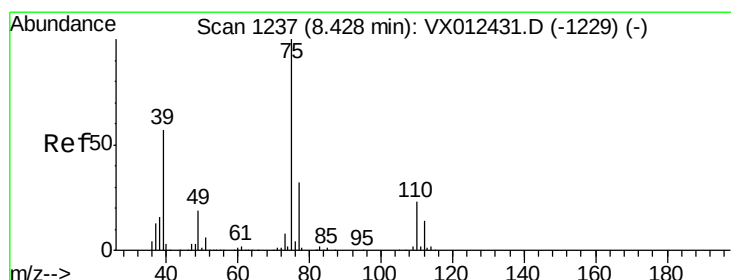
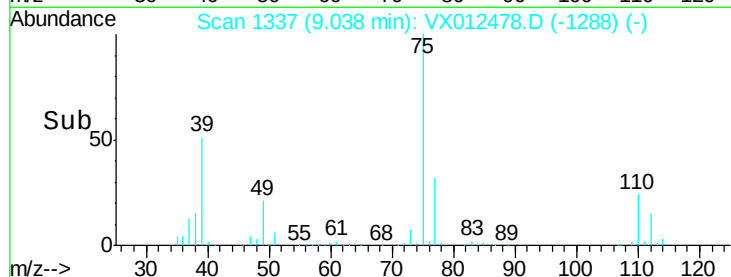
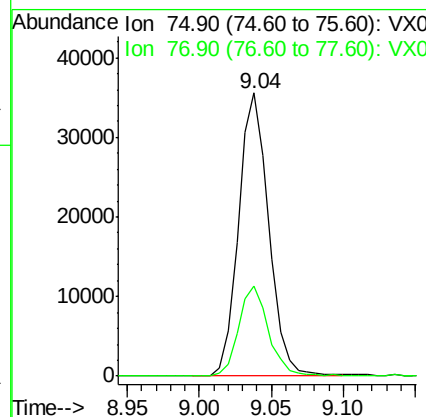
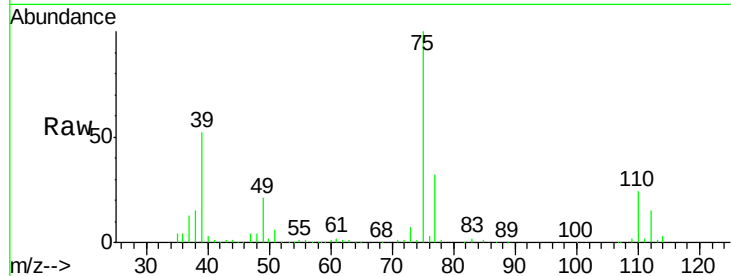
#53
t-1,3-Dichloropropene
Concen: 17.304 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 75 Resp: 51927
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8

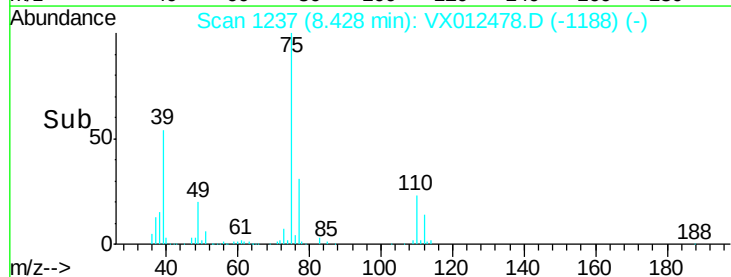
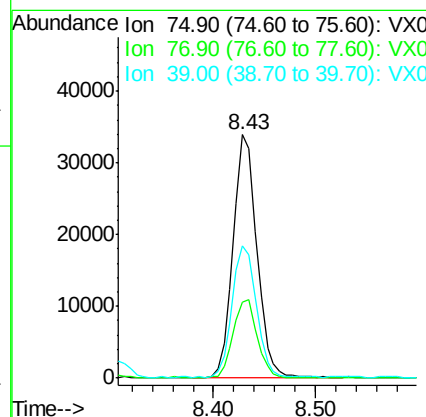
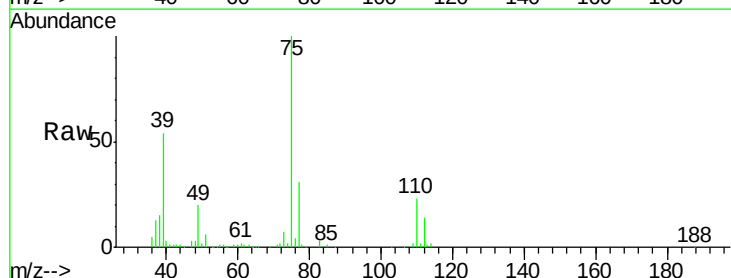
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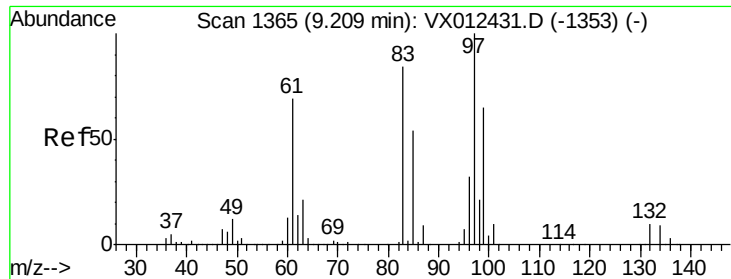
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.645 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 75 Resp: 54817
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.8
39 54.4 45.5 68.3





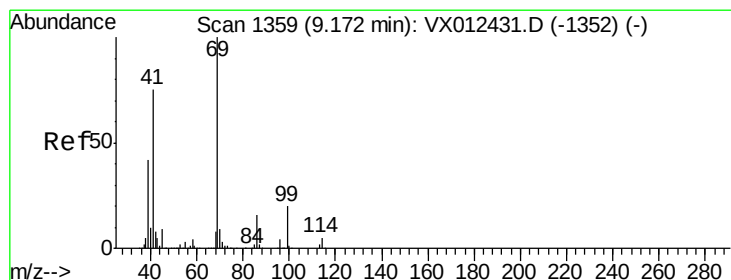
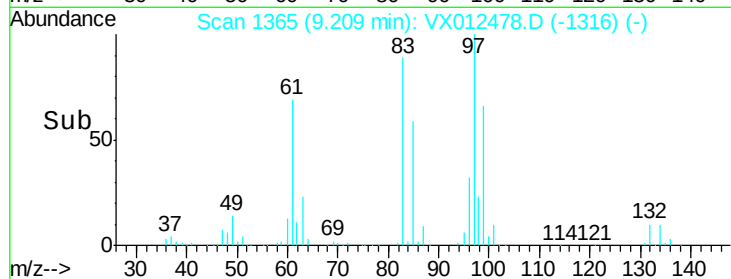
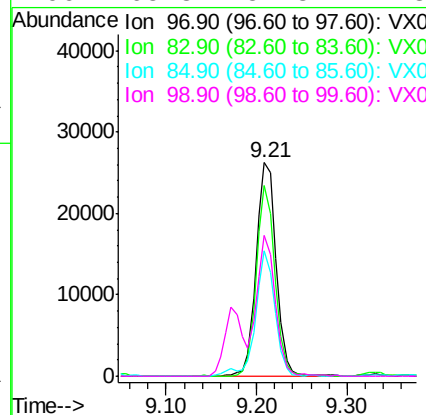
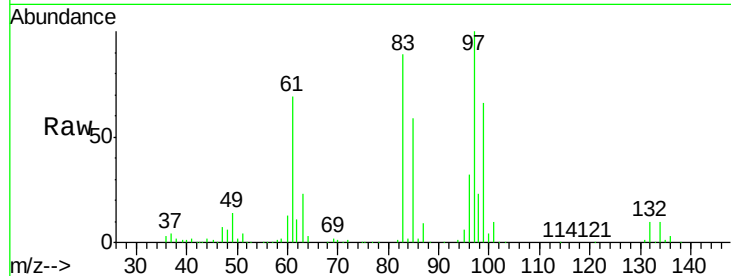
#55
 1,1,2-Trichloroethane
 Concen: 18.546 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	97	Resp	40151
Ion Ratio	Lower	Upper	
97	100		
83	89.1	67.4	101.2
85	58.5	43.5	65.3
99	65.8	51.8	77.8

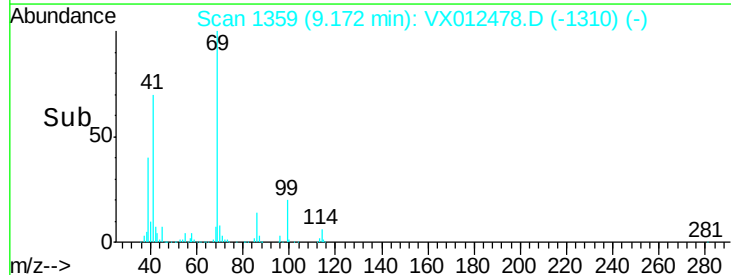
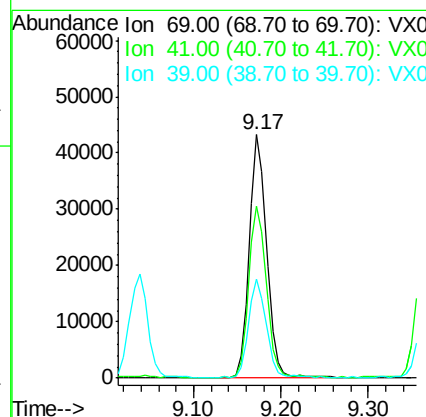
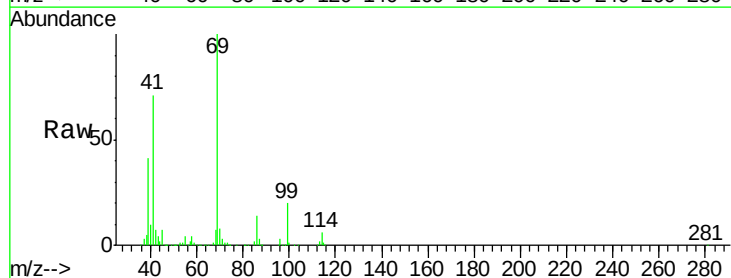
Manual Integrations
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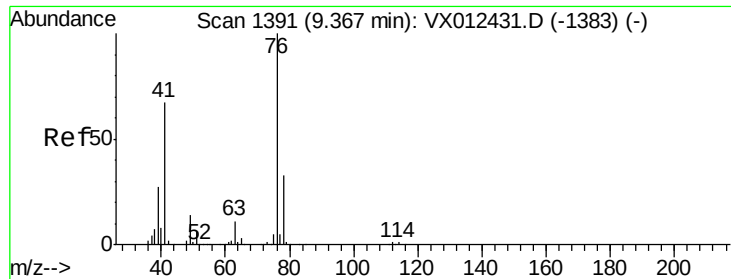
MMDadoda
 9/19/2019 1:04:41 PM



#56
 Ethyl methacrylate
 Concen: 17.682 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion	69	Resp	59852
Ion Ratio	Lower	Upper	
69	100		
41	72.4	58.4	87.6
39	42.1	33.4	50.0





#57

1,3-Dichloropropane

Concen: 18.627 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

Tot Ion: 76 Resp: 64339

Ion Ratio Lower Upper

76 100

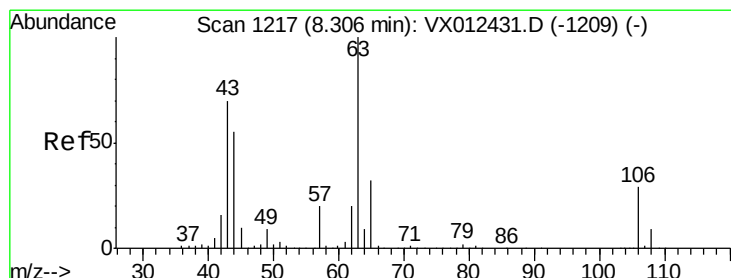
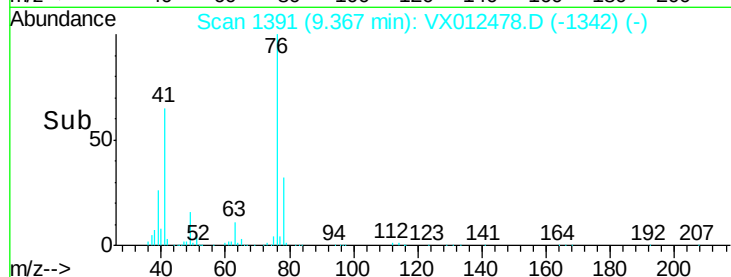
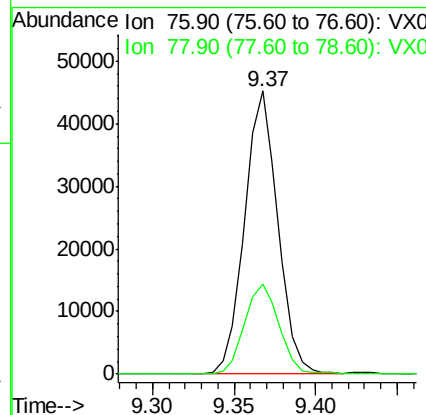
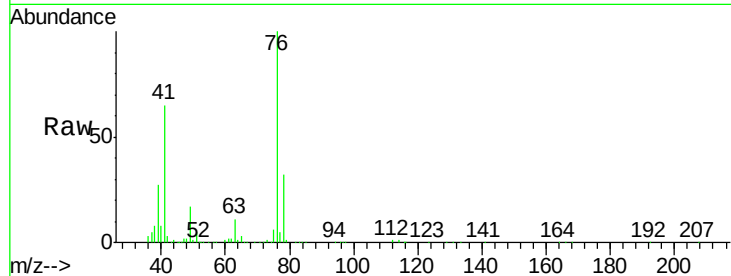
78 33.1 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.158 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012478.D

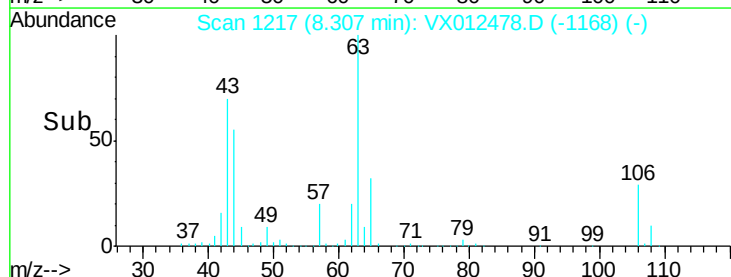
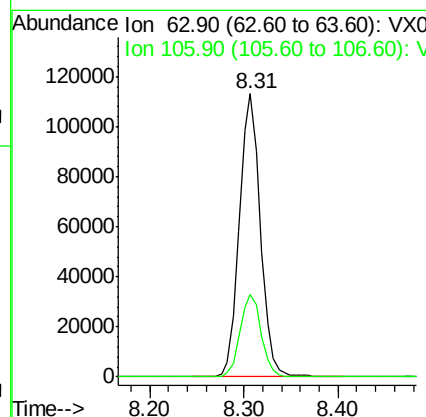
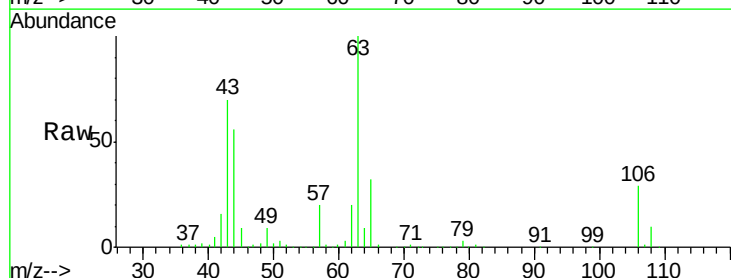
Acq: 18 Sep 2019 16:57

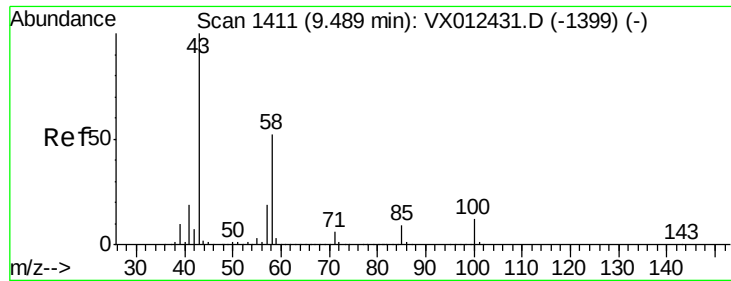
Tgt Ion: 63 Resp: 175489

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.6





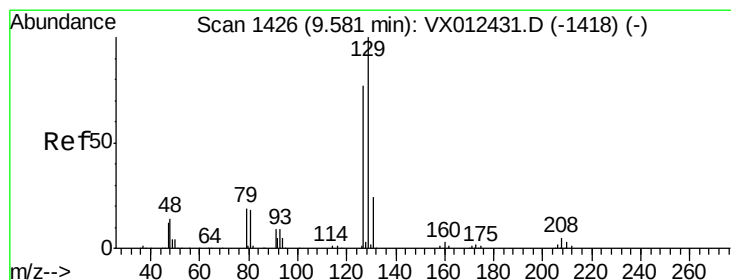
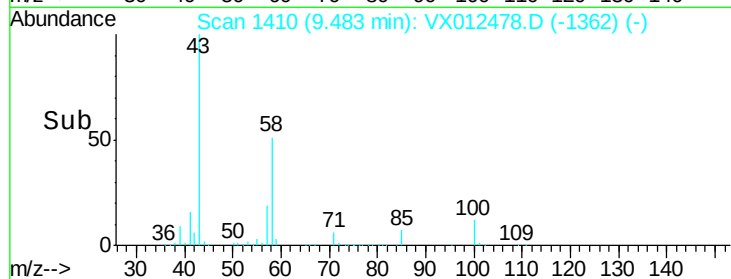
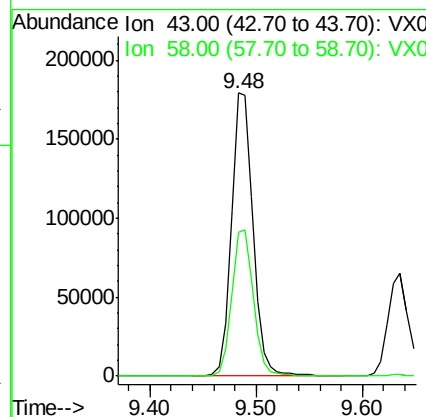
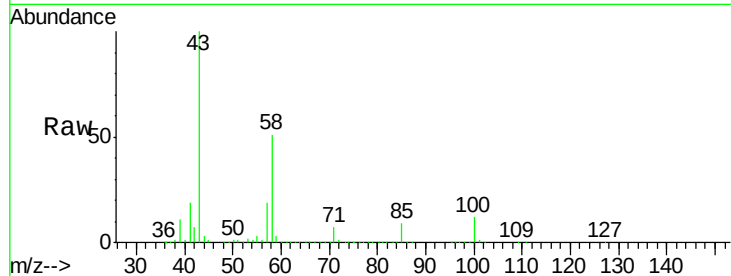
#59
2-Hexanone
Concen: 88.027 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion: 43 Resp: 254455
Ion Ratio Lower Upper
43 100
58 52.6 25.7 77.1

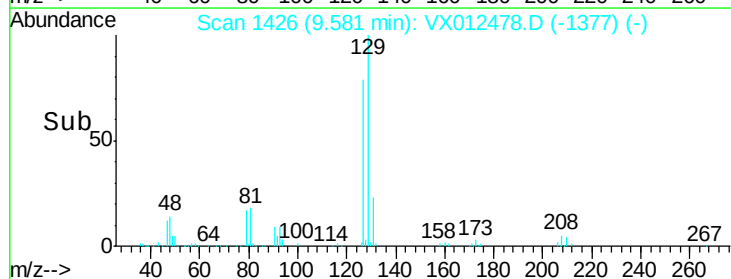
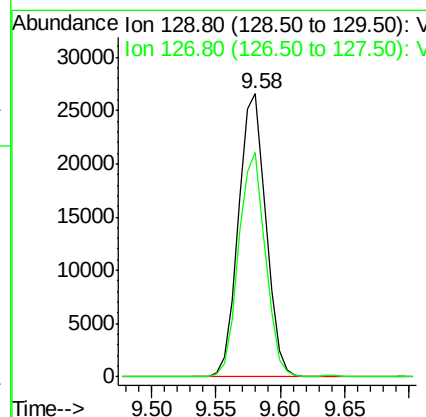
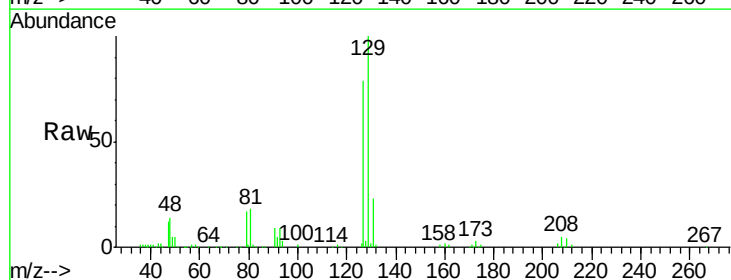
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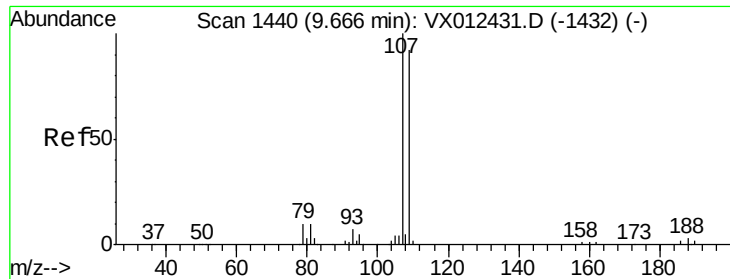
MMDadoda
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#60
Dibromochloromethane
Concen: 17.900 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion: 129 Resp: 39472
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.672 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:107 Resp: 36919

Ion Ratio Lower Upper

107 100

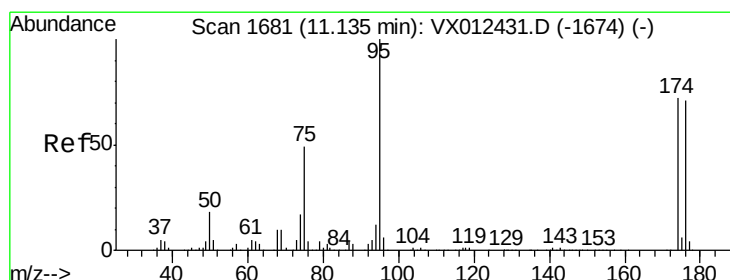
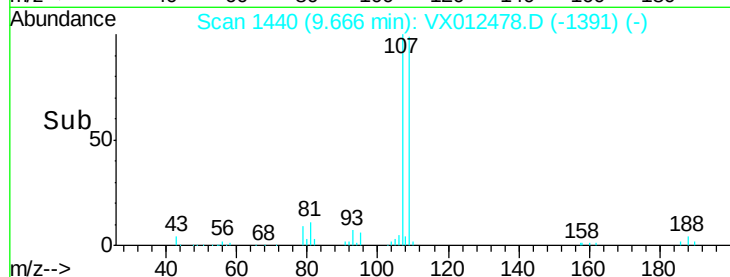
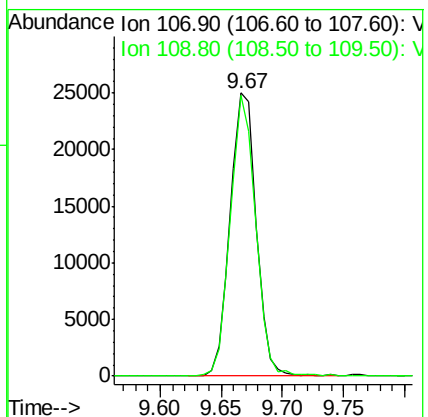
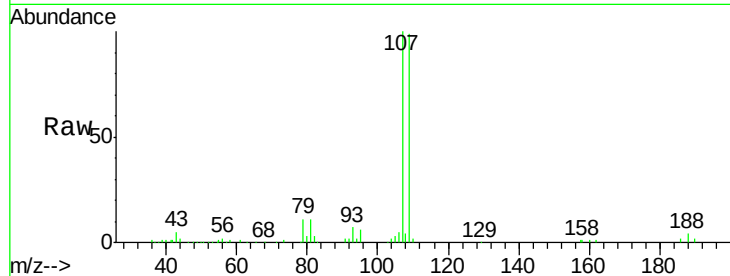
109 96.0 74.7 112.1

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.840 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

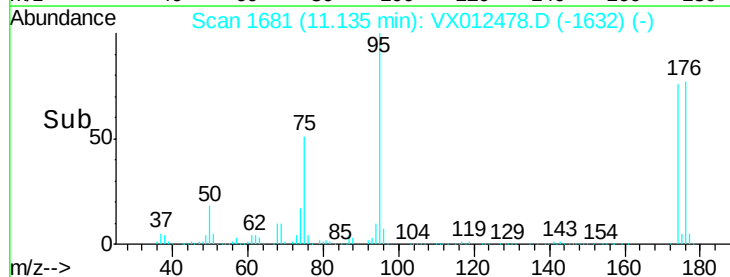
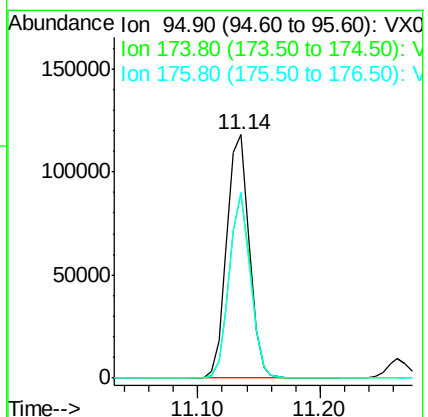
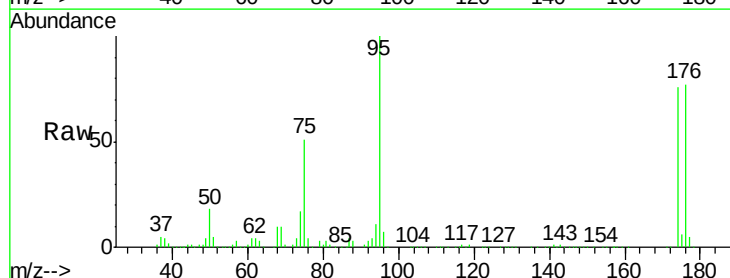
Tgt Ion: 95 Resp: 150159

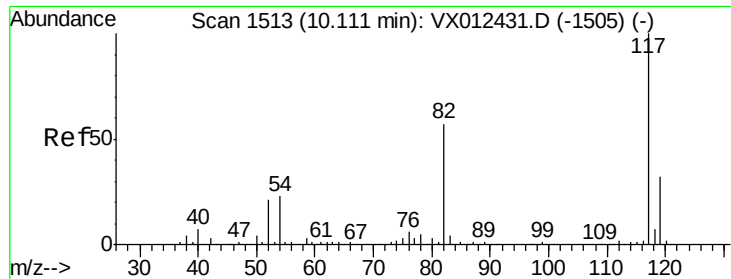
Ion Ratio Lower Upper

95 100

174 72.2 0.0 140.0

176 71.0 0.0 135.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

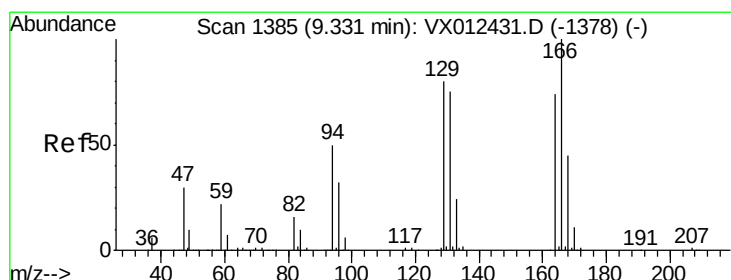
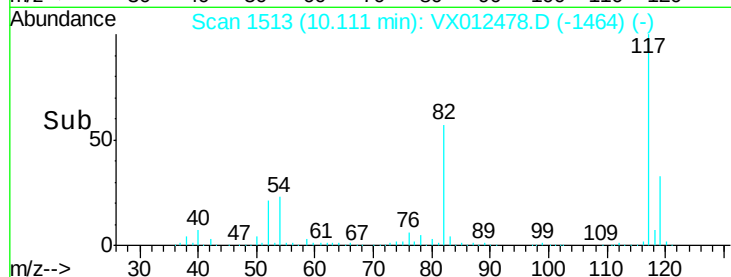
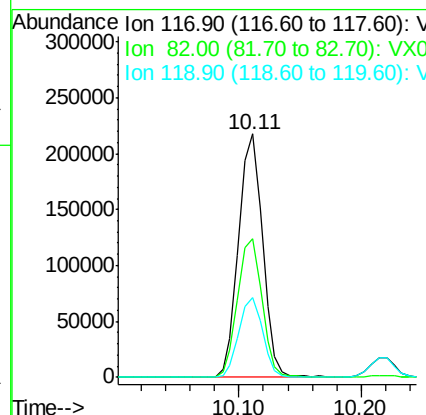
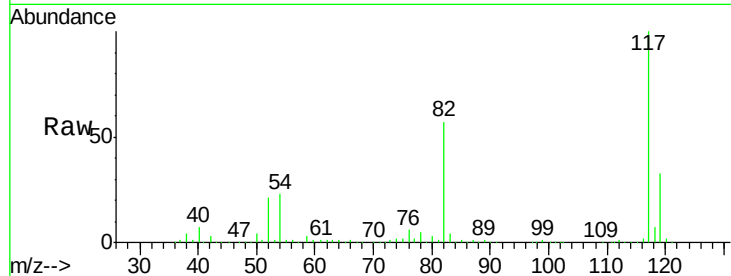
ClientSampleId :

VX0918WBSD01

Tot Ion:	117	Resp:	296866
Ion Ratio		Lower	Upper
117	100		
82	57.0	45.9	68.9
119	32.6	25.3	37.9

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#64

Tetrachloroethene

Concen: 21.309 ug/l

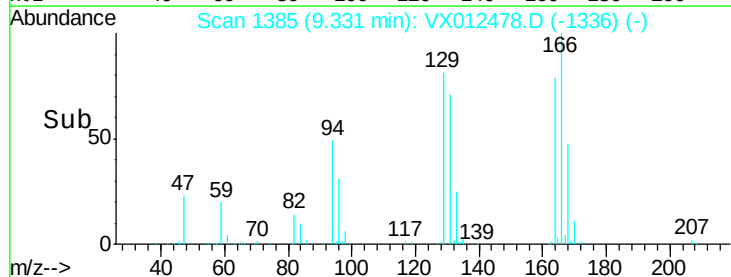
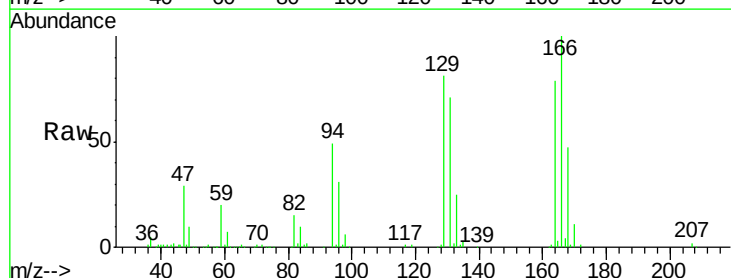
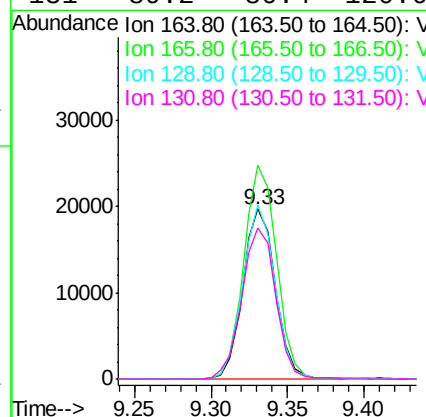
RT: 9.33 min Scan# 1385

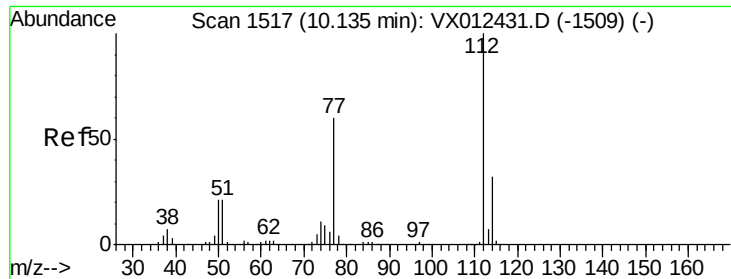
Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	164	Resp:	28988
Ion Ratio		Lower	Upper
164	100		
166	125.8	107.8	161.6
129	102.2	86.2	129.2
131	89.2	80.4	120.6





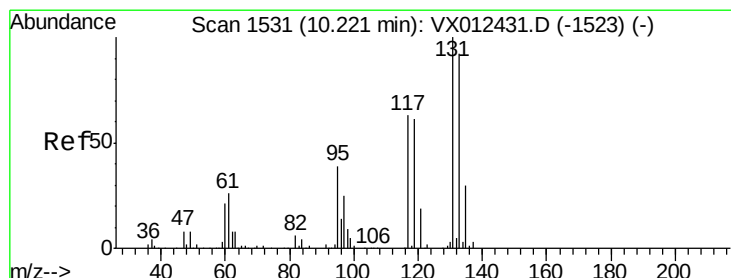
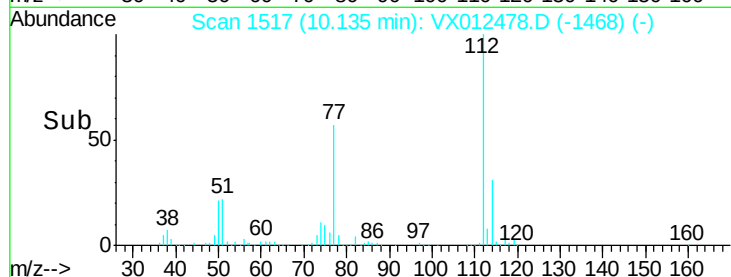
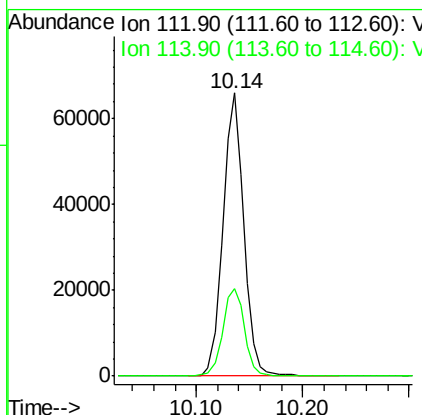
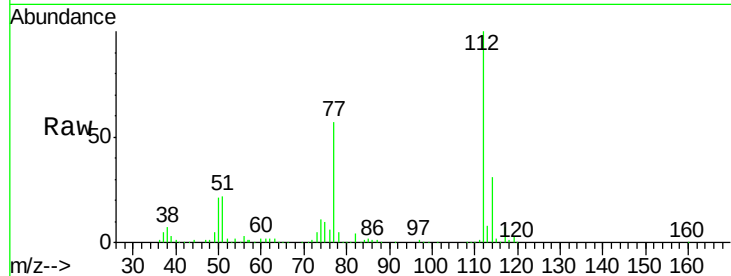
#65
Chlorobenzene
Concen: 18.333 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion:112 Resp: 89828
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.0

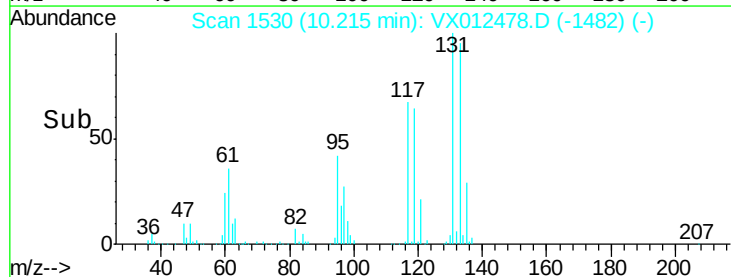
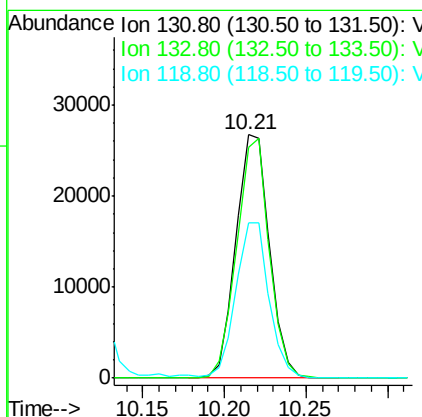
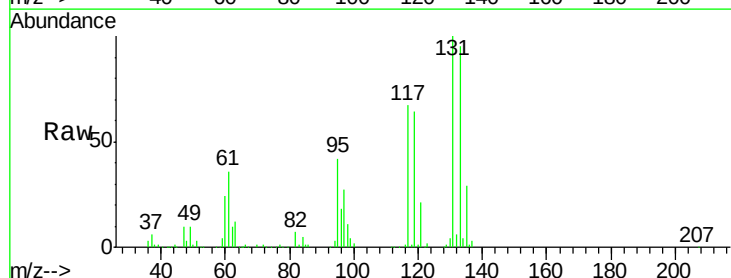
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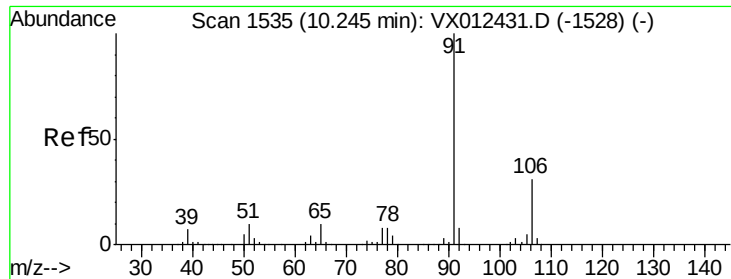
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.843 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion:131 Resp: 38318
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 63.4 31.3 93.8





#67

Ethyl Benzene

Concen: 18.684 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 91 Resp: 157282

Ion Ratio Lower Upper

91 100

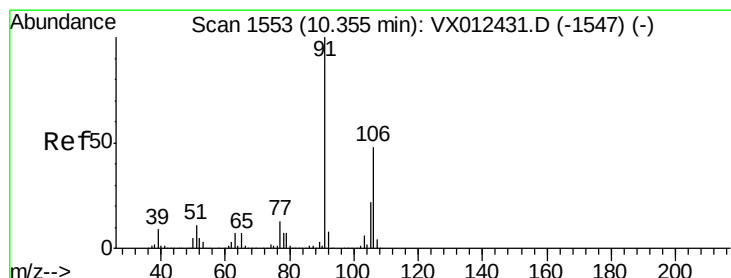
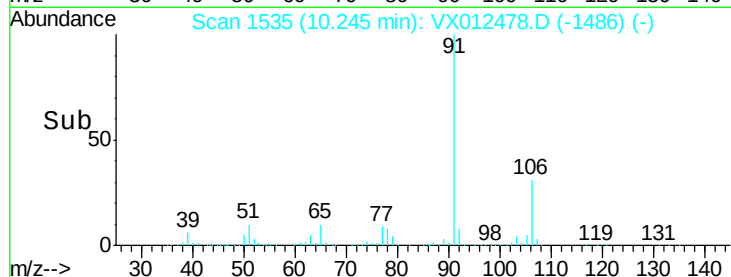
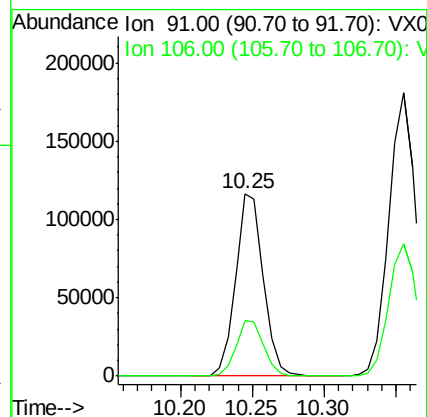
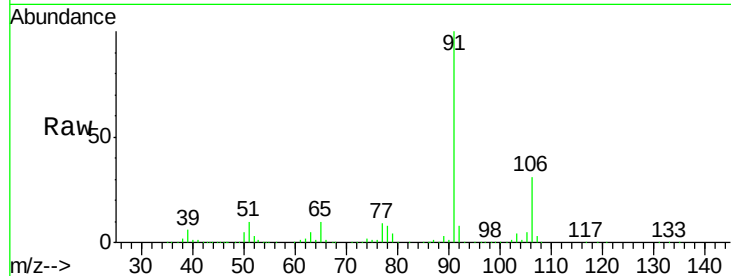
106 30.6 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 37.711 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012478.D

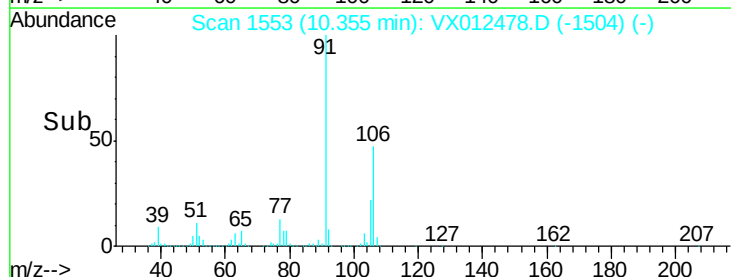
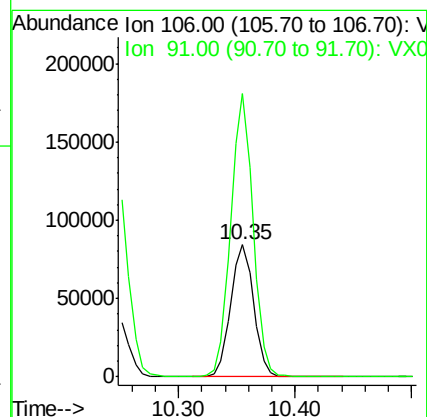
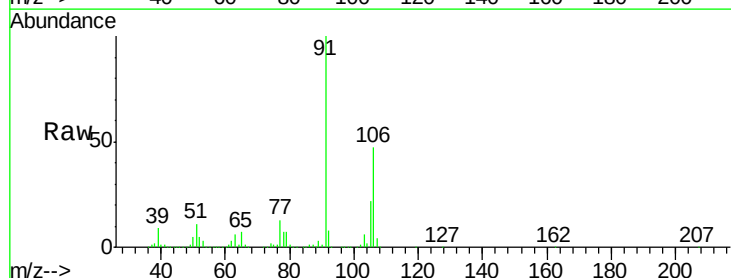
Acq: 18 Sep 2019 16:57

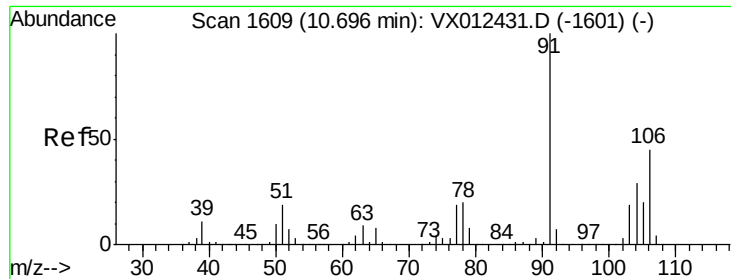
Tgt Ion:106 Resp: 115507

Ion Ratio Lower Upper

106 100

91 208.4 166.6 250.0





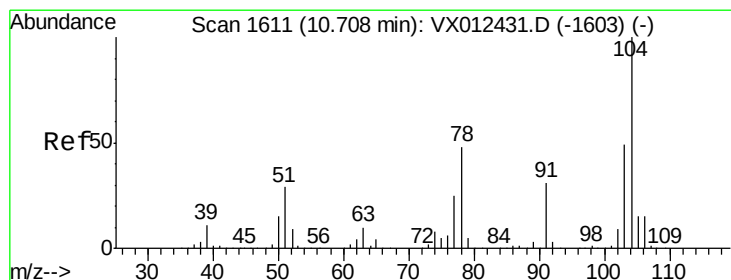
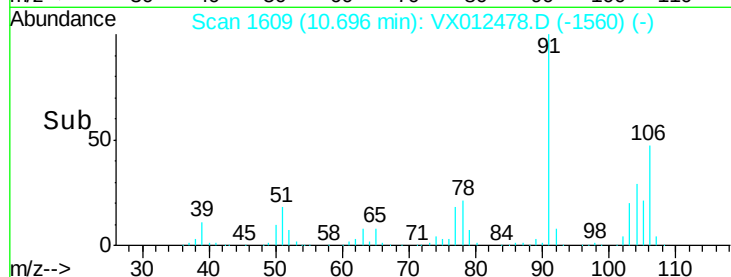
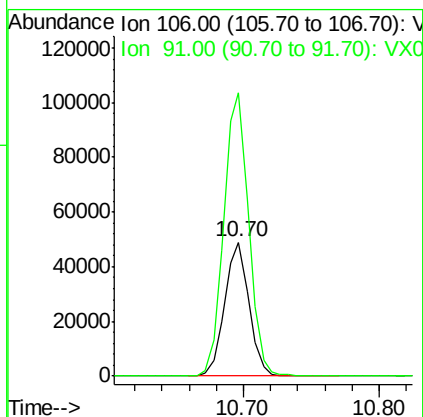
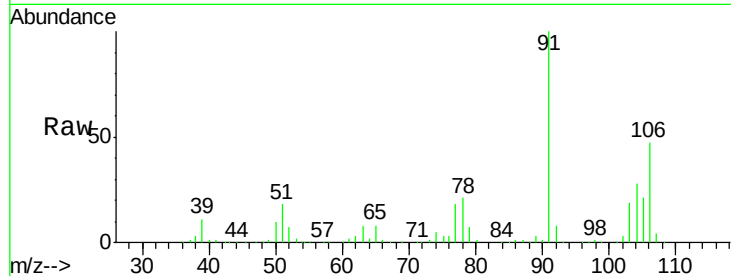
#69
o-Xylene
Concen: 19.180 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion:106 Resp: 60415
Ion Ratio Lower Upper
106 100
91 217.1 109.4 328.2

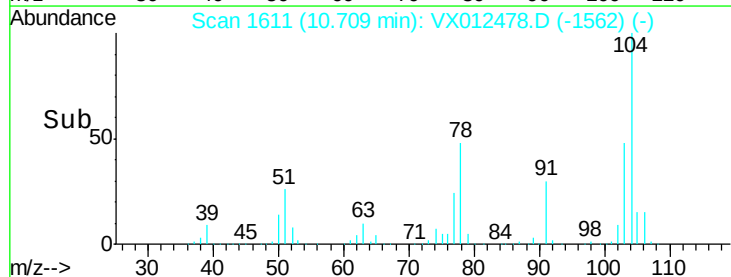
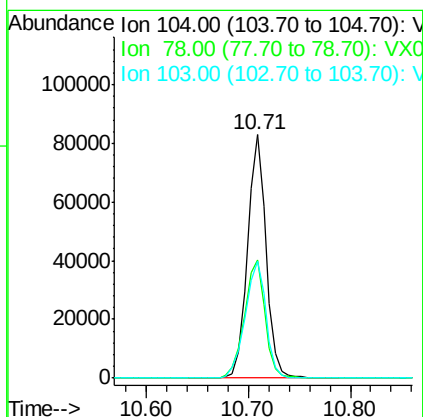
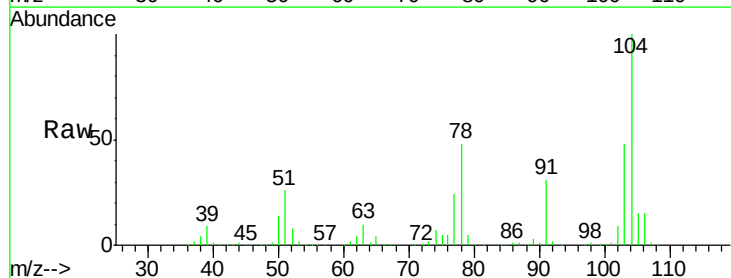
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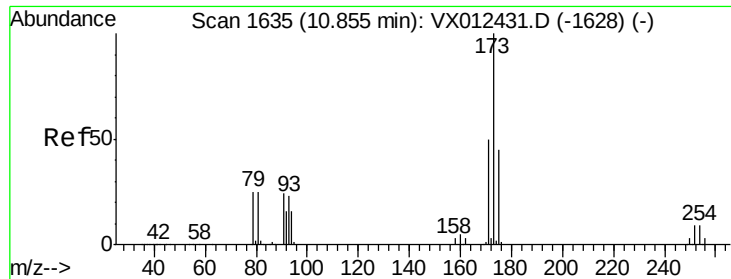
MMDadoda
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#70
Styrene
Concen: 18.803 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion:104 Resp: 104795
Ion Ratio Lower Upper
104 100
78 53.7 43.4 65.2
103 54.1 43.3 64.9





#71

Bromoform

Concen: 16.968 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampled :

VX0918WBSD01

Tot Ion:173 Resp: 26187

Ion Ratio Lower Upper

173 100

175 49.2 23.7 71.1

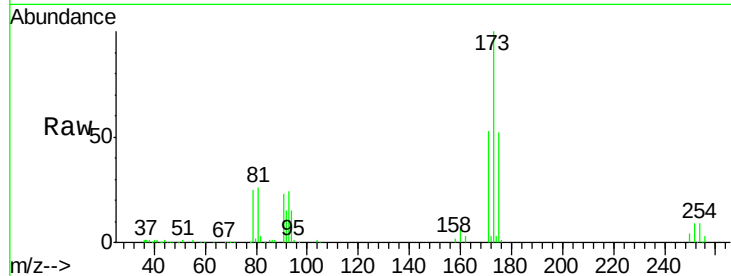
254 0.3 0.1 0.1#

Manual Integrations

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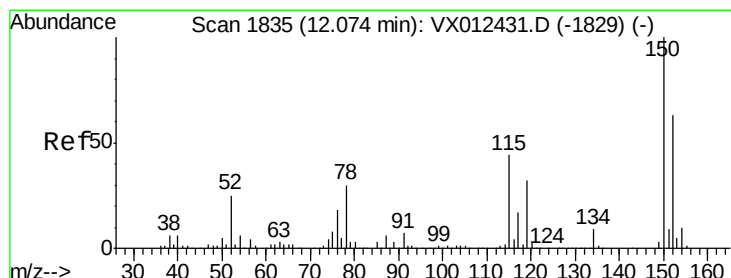
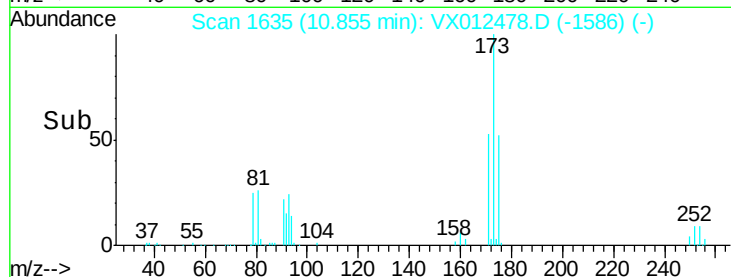
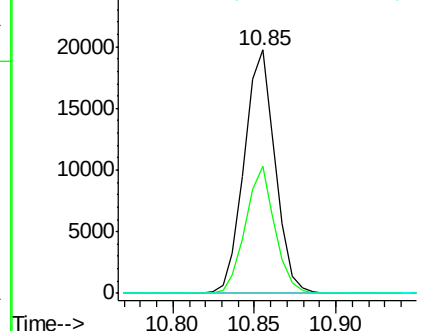
9/19/2019 1:04:41 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

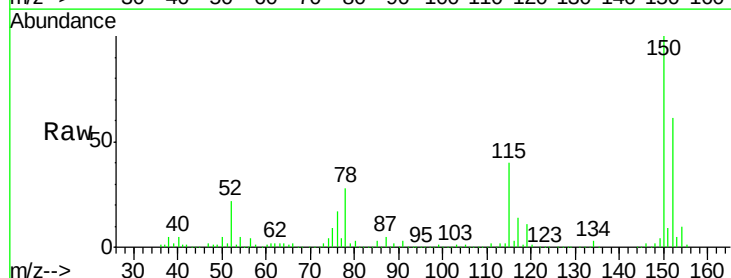
Tgt Ion:152 Resp: 141945

Ion Ratio Lower Upper

152 100

115 72.2 44.1 132.3

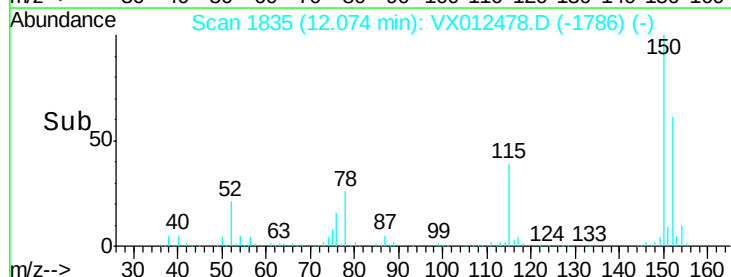
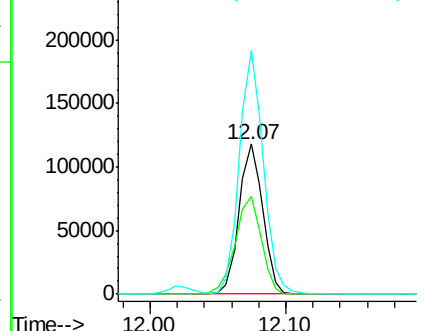
150 165.6 0.0 343.8

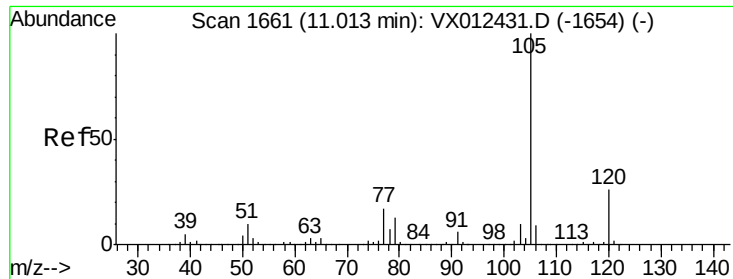


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.659 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:105 Resp: 166180

Ion Ratio Lower Upper

105 100

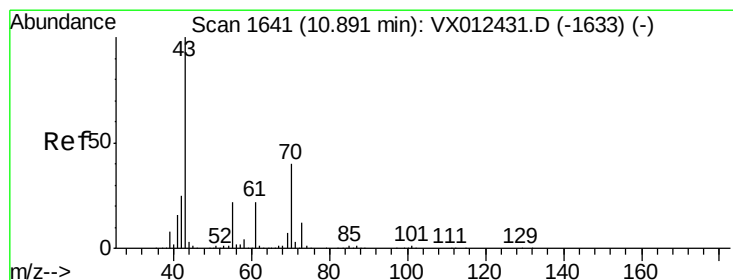
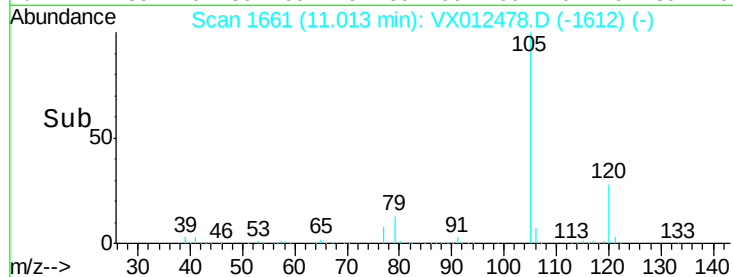
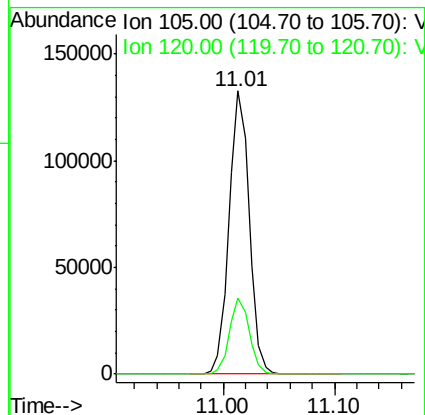
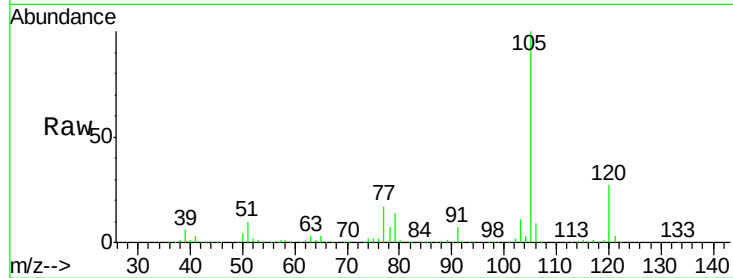
120 26.5 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.754 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion: 43 Resp: 85130

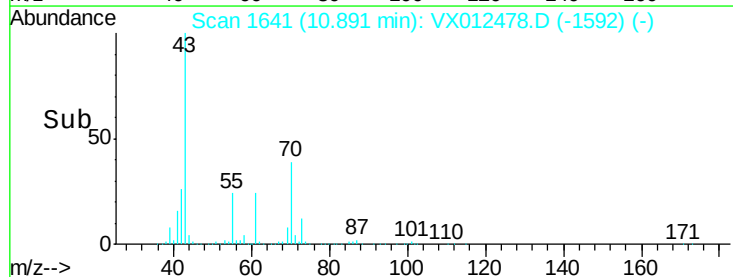
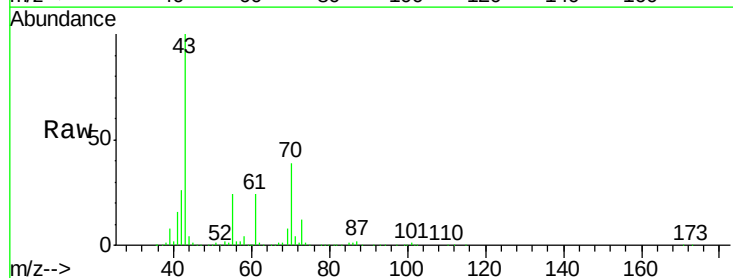
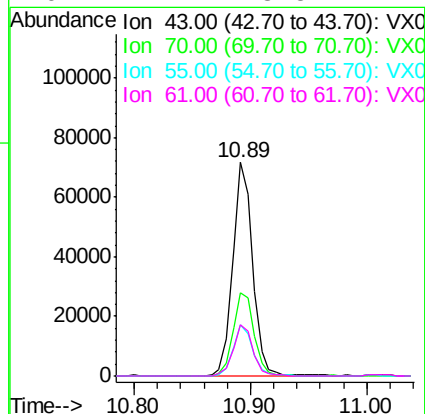
Ion Ratio Lower Upper

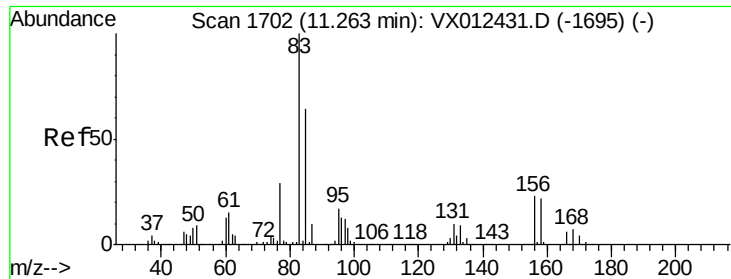
43 100

70 41.4 32.4 48.6

55 24.0 18.2 27.4

61 24.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.203 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 83 Resp: 63595

Ion Ratio Lower Upper

83 100

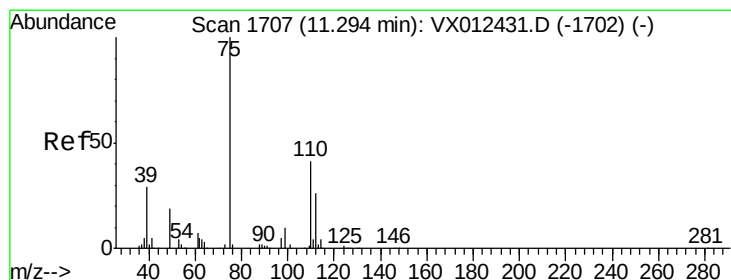
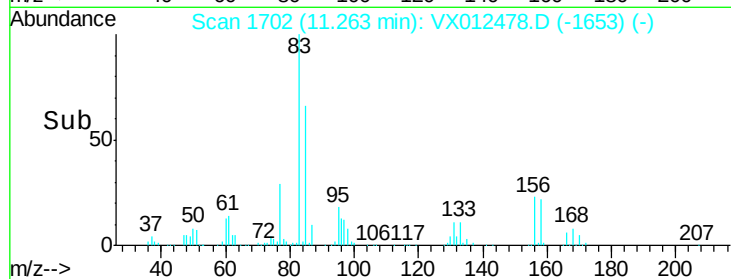
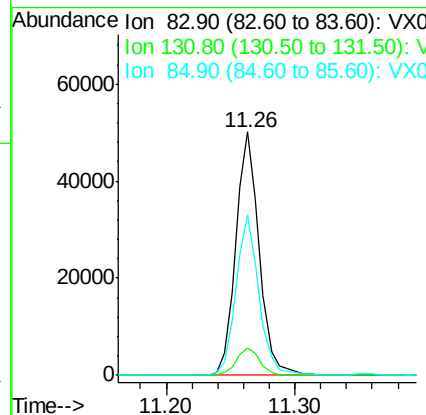
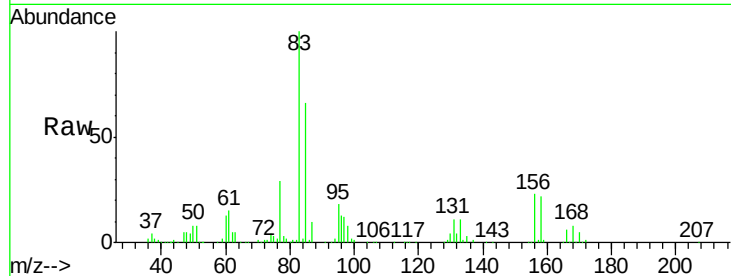
131 11.4 5.2 15.6

85 65.0 32.0 96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.955 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012478.D

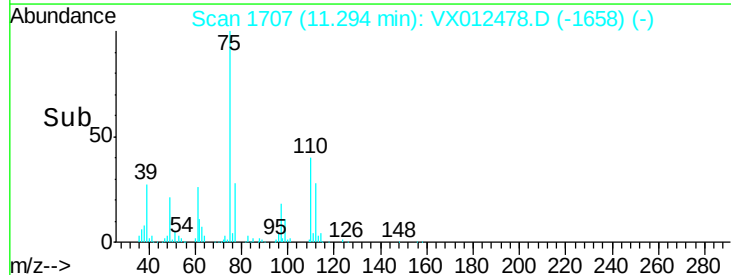
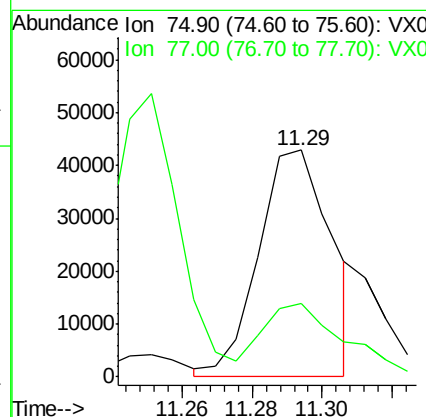
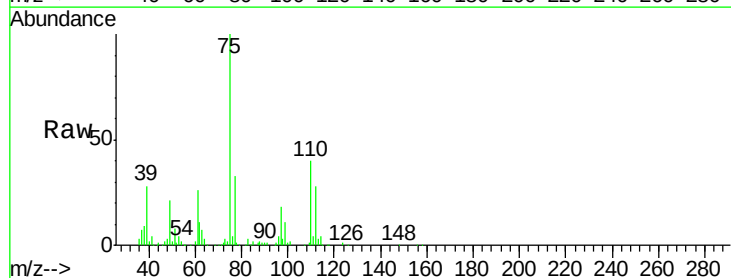
Acq: 18 Sep 2019 16:57

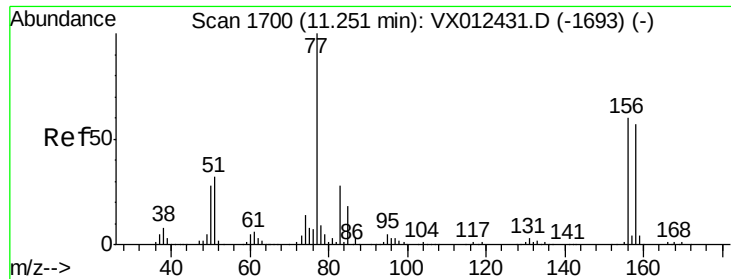
Tgt Ion: 75 Resp: 61804

Ion Ratio Lower Upper

75 100

77 36.8 19.7 59.0





#77

Bromobenzene

Concen: 19.521 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

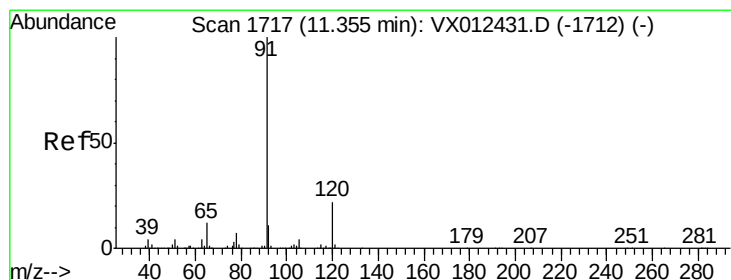
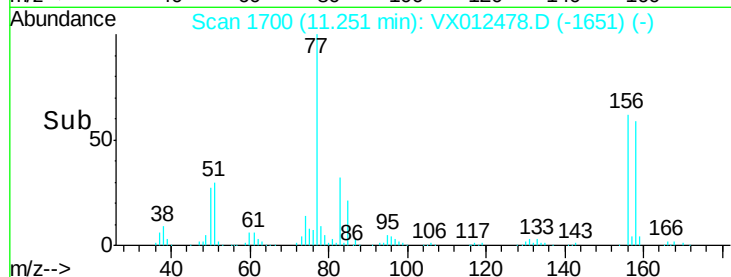
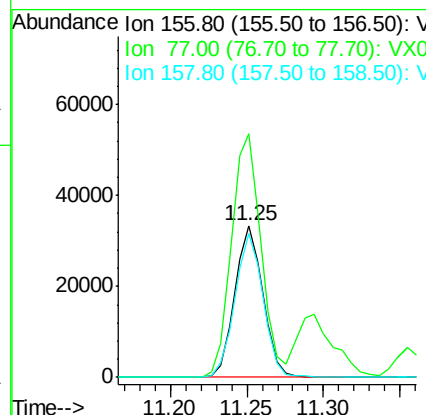
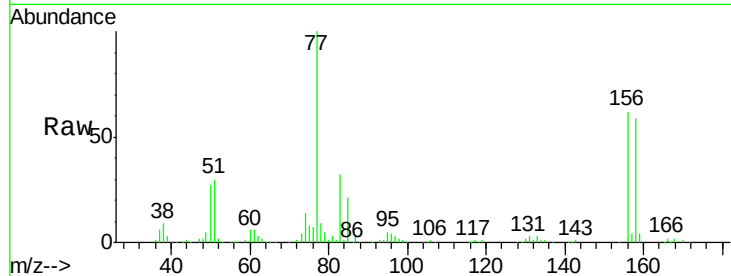
ClientSampled :

VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.5	87.3	261.8
158	95.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 18.493 ug/l

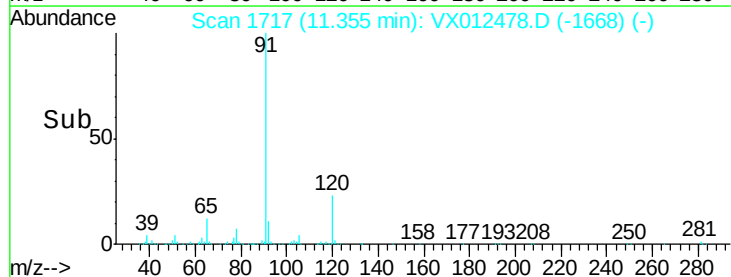
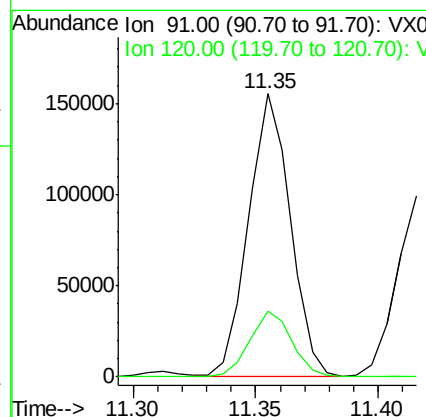
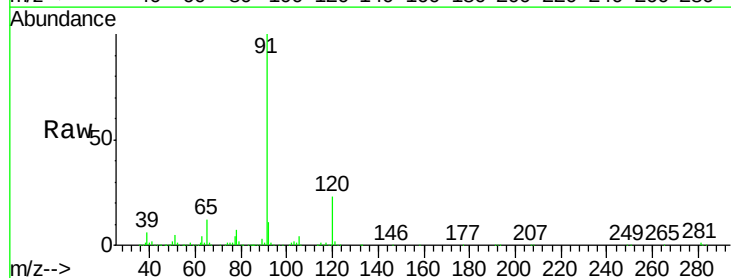
RT: 11.35 min Scan# 1717

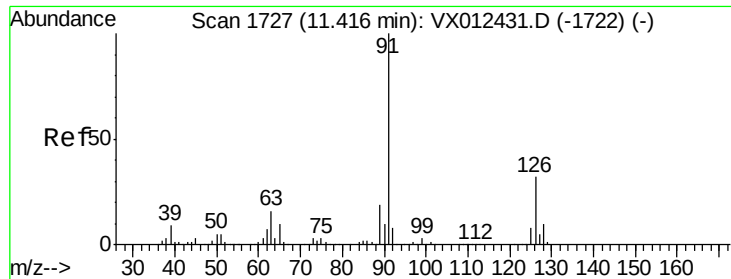
Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.3	33.8





#79

2-Chlorotoluene

Concen: 18.612 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion: 91 Resp: 120187

Ion Ratio Lower Upper

91 100

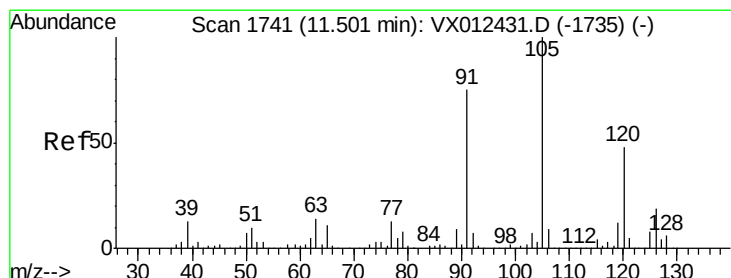
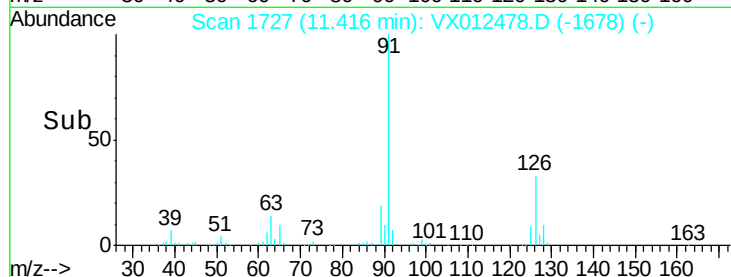
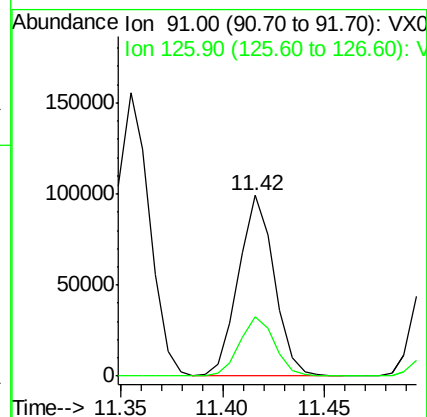
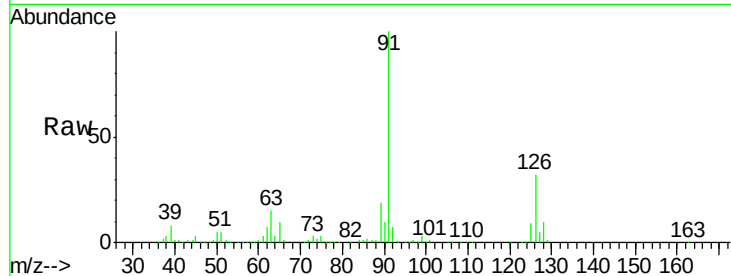
126 32.2 16.4 49.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.918 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012478.D

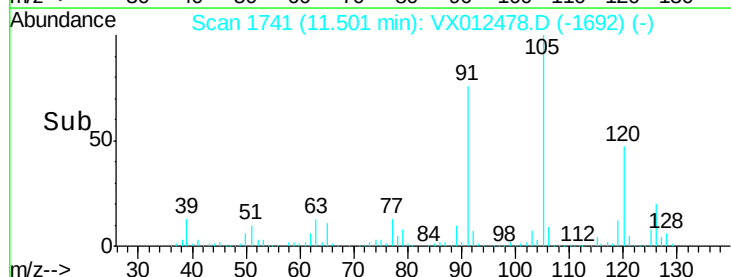
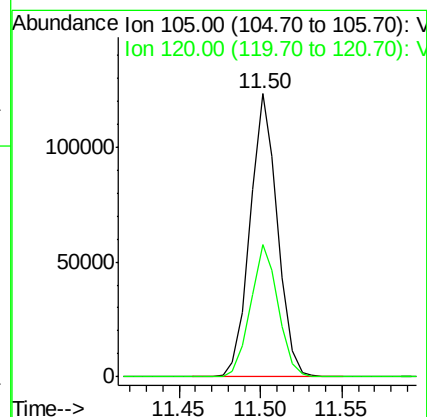
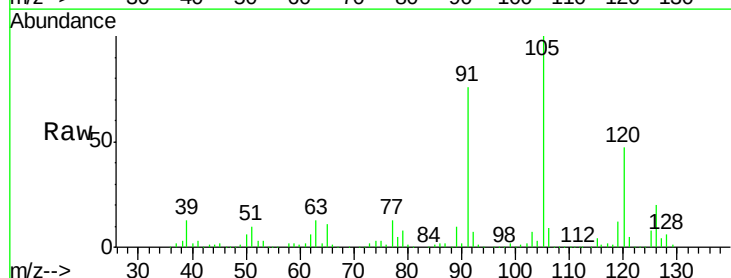
Acq: 18 Sep 2019 16:57

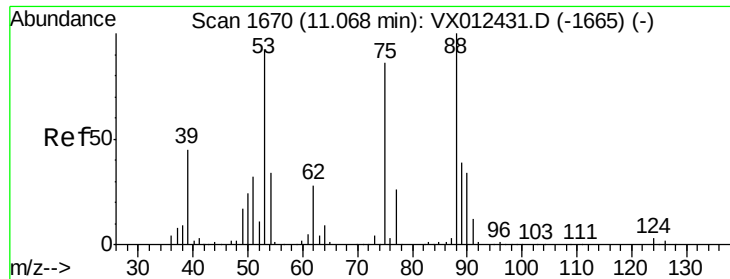
Tgt Ion:105 Resp: 143696

Ion Ratio Lower Upper

105 100

120 47.4 24.3 72.8





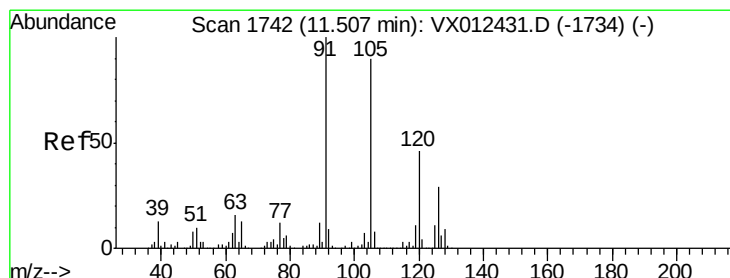
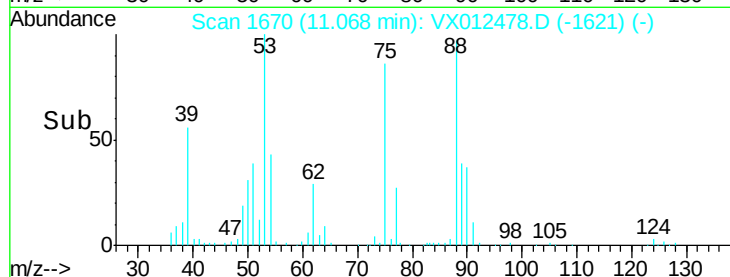
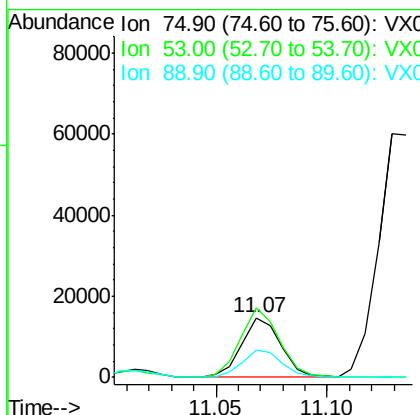
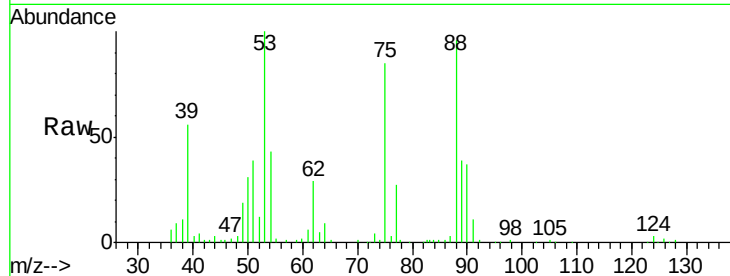
#81
trans-1,4-Dichloro-2-butene
Concen: 17.363 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.1	83.6	125.4
89	46.7	36.3	54.5

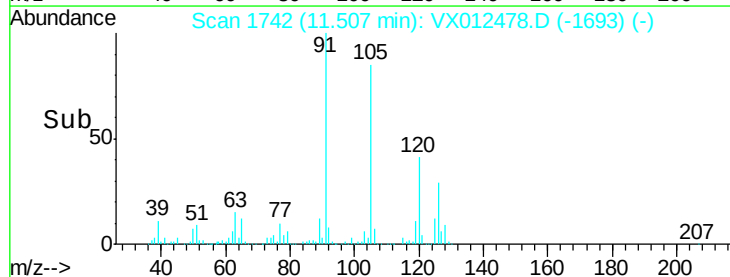
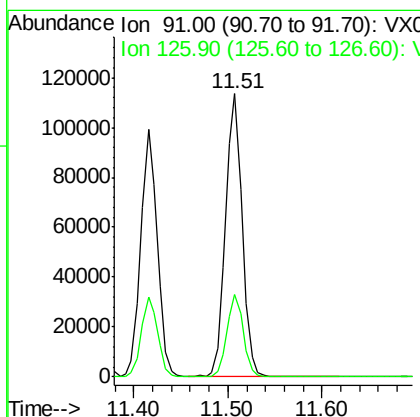
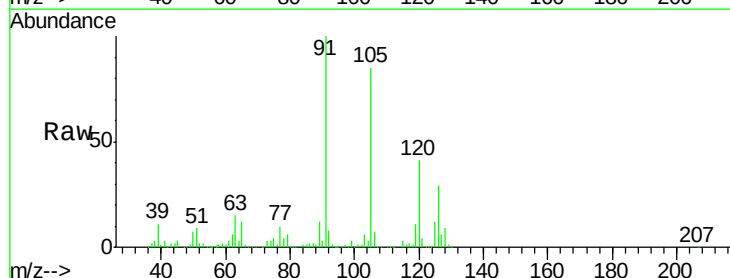
Manual Integrations
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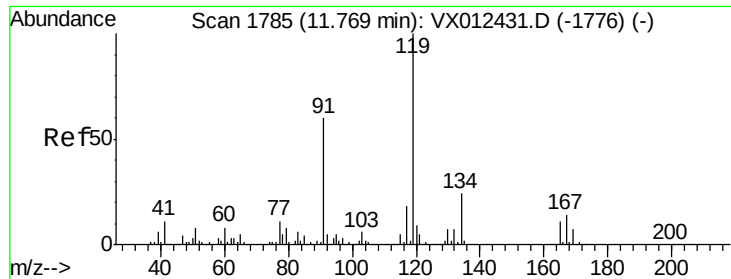
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#82
4-Chlorotoluene
Concen: 18.860 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.4	43.0





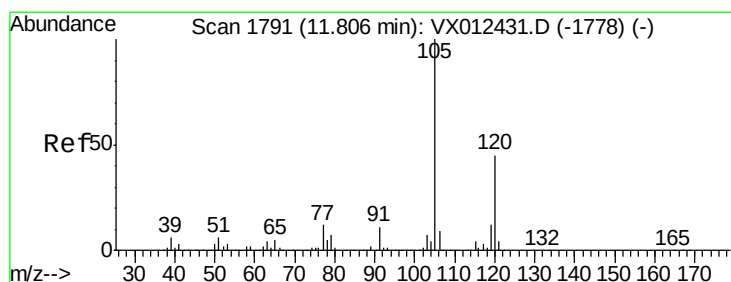
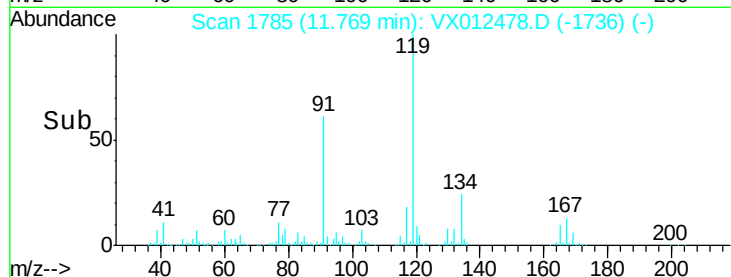
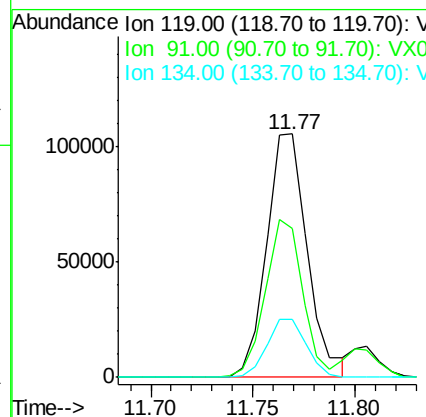
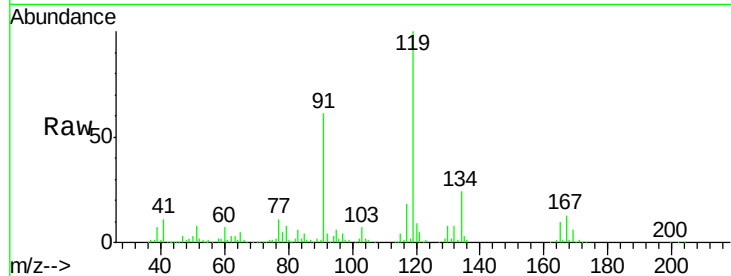
#83
 tert-Butylbenzene
 Concen: 18.085 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	147195		
91	60.0	30.0	90.0	
134	23.3	11.3	33.9	

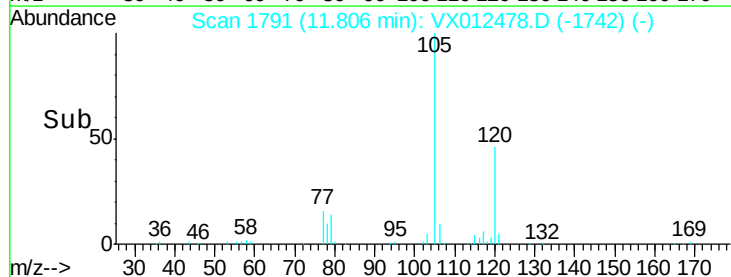
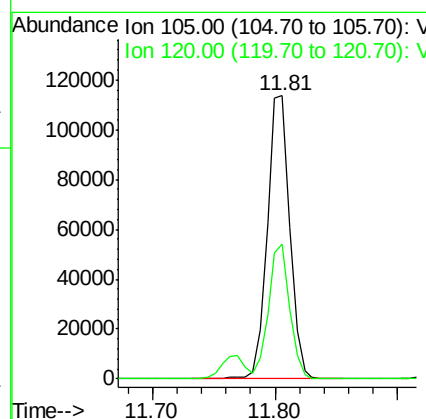
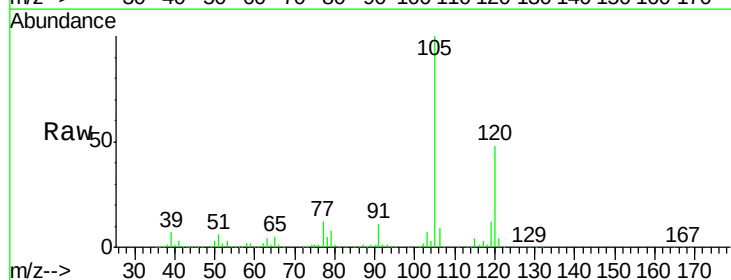
Manual Integrations
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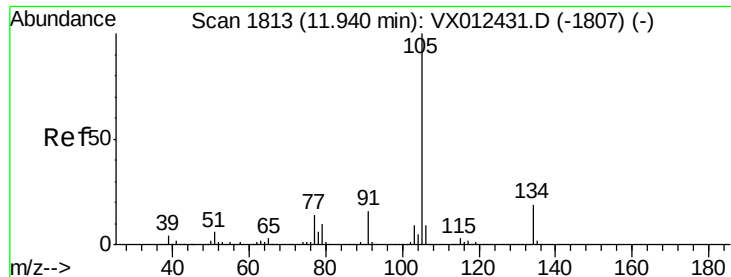
MMDadoda
 9/19/2019 1:04:41 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.753 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146253		
120	44.8	22.2	66.6	





#85

sec-Butylbenzene

Concen: 18.298 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBSD01

Tot Ion:105 Resp: 164105

Ion Ratio Lower Upper

105 100

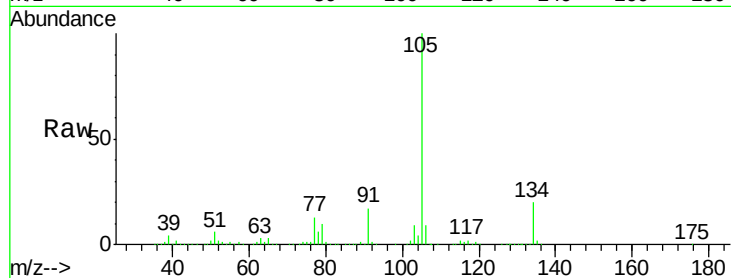
134 20.5 9.8 29.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

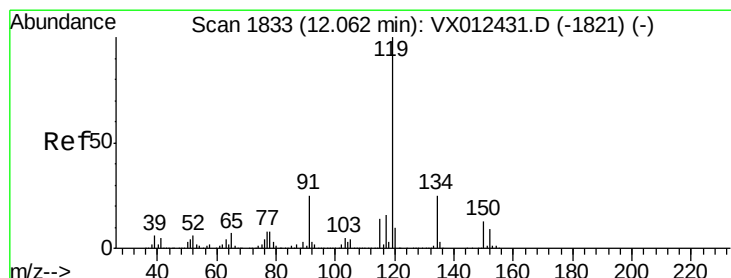
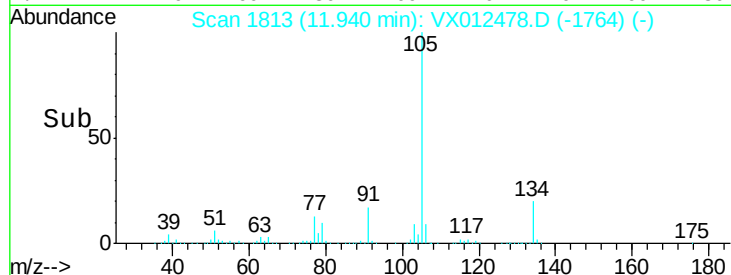
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 18.369 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

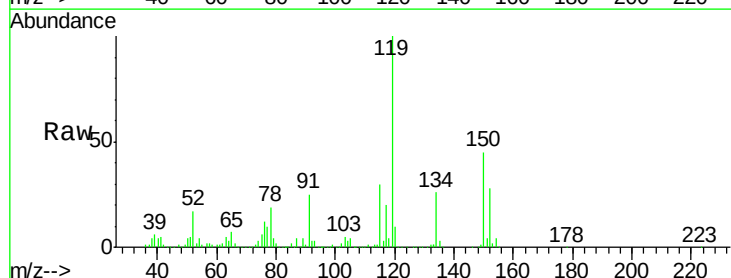
Tgt Ion:119 Resp: 151274

Ion Ratio Lower Upper

119 100

134 26.4 12.7 38.1

91 26.7 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

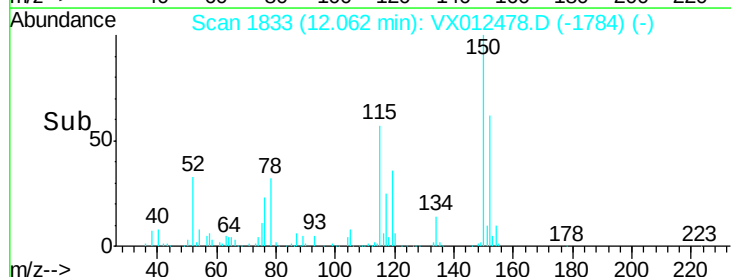
150000

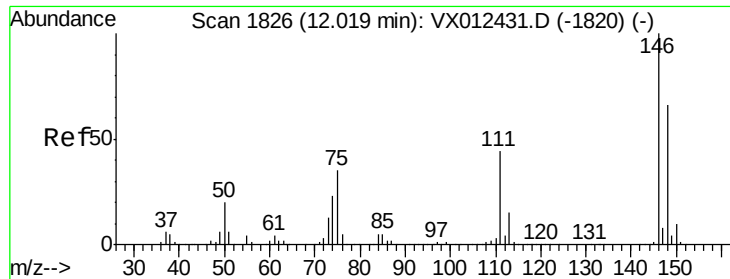
100000

50000

0

Time--> 12.00 12.10





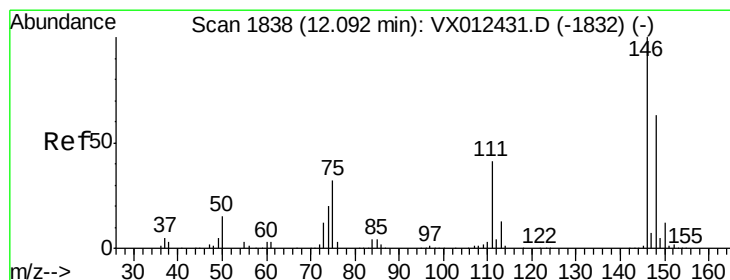
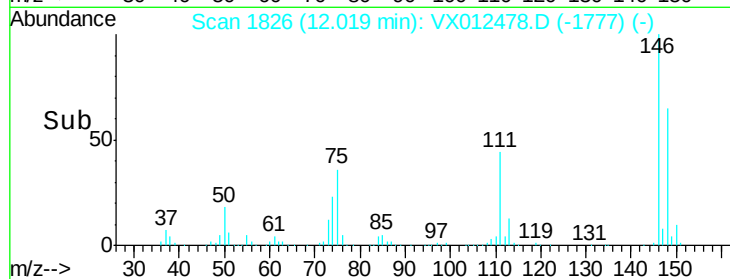
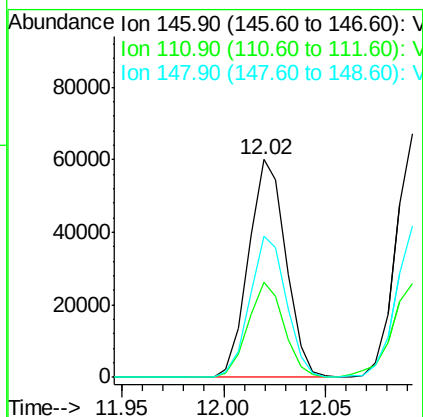
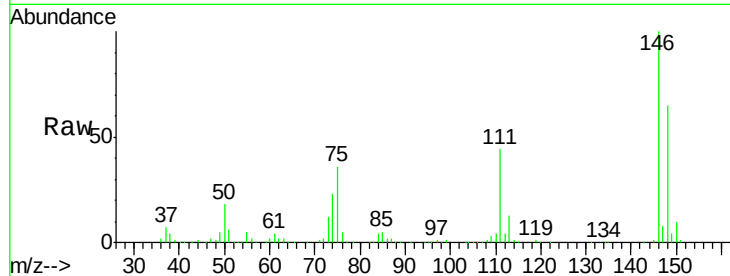
#87
 1,3-Dichlorobenzene
 Concen: 18.705 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	63.7	32.4	97.2

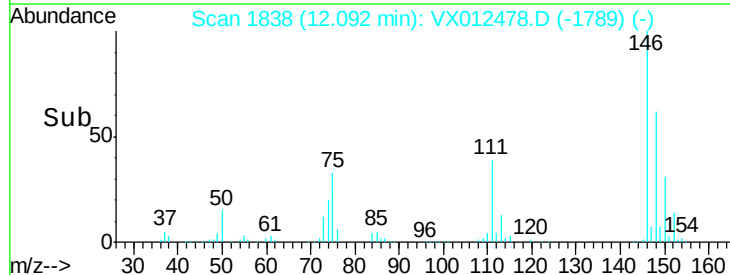
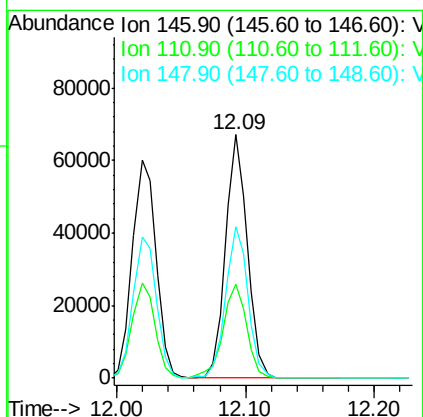
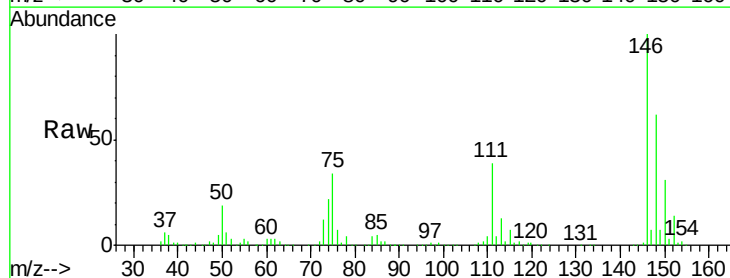
Manual Integrations
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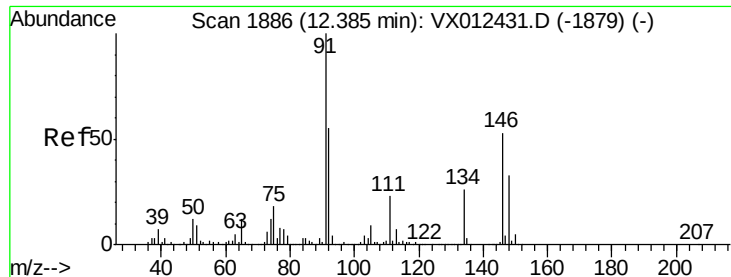
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 9/19/2019 1:04:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.130 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.9	32.1	96.5





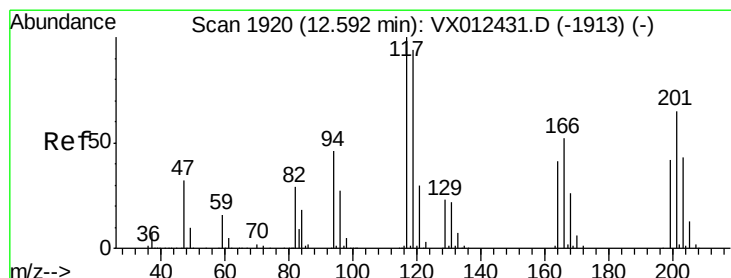
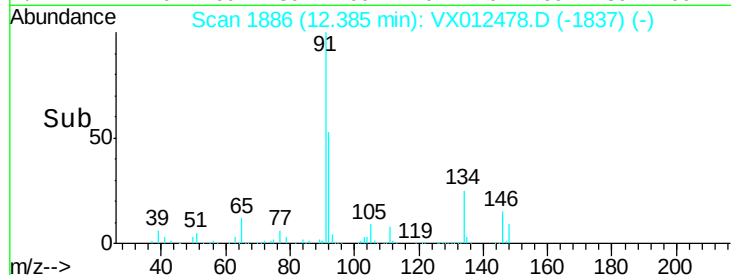
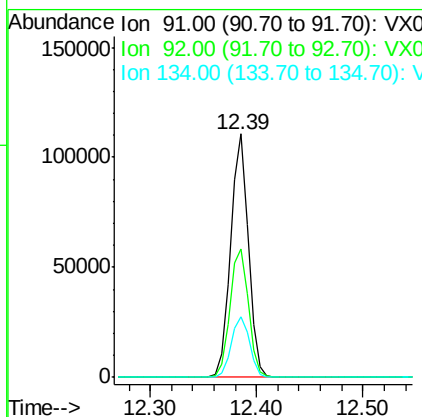
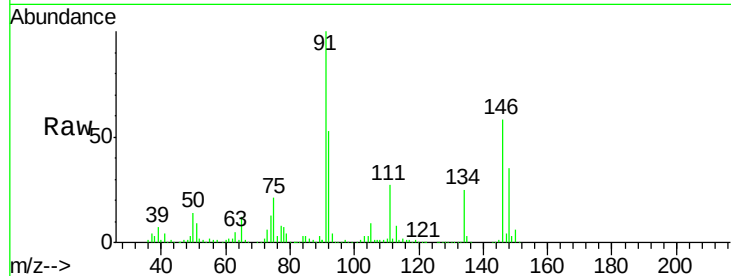
#89
n-Butylbenzene
Concen: 17.721 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	130215		
92	54.7		27.7	83.0
134	25.8		12.9	38.6

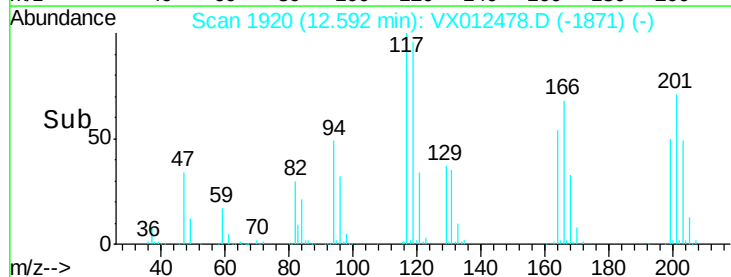
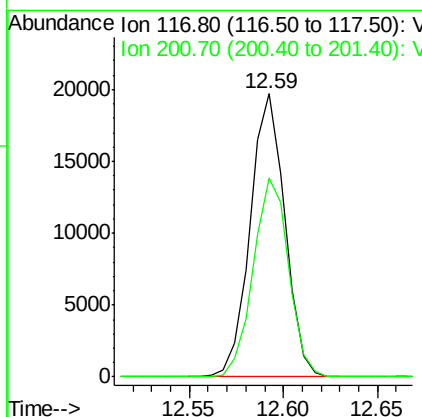
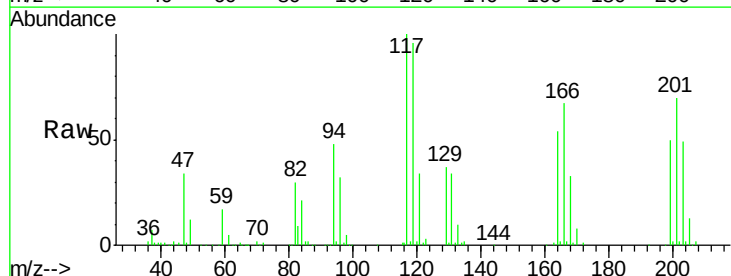
Manual Integrations
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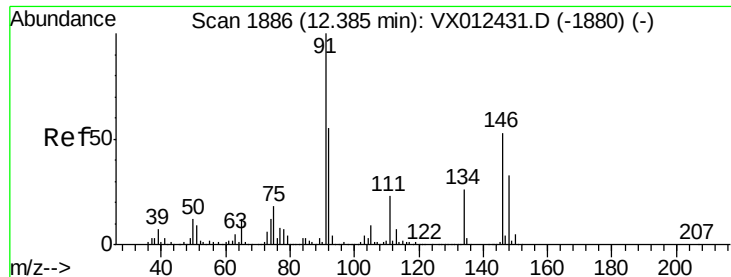
MMDadoda
9/19/2019 1:04:41 PM



#90
Hexachloroethane
Concen: 16.603 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012478.D
Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	25071		
201	71.7		33.3	99.8





#91

1,2-Dichlorobenzene

Concen: 18.886 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

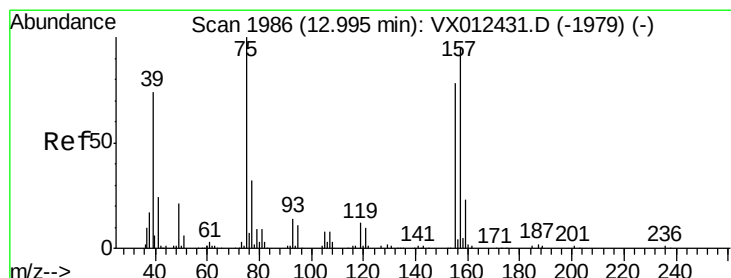
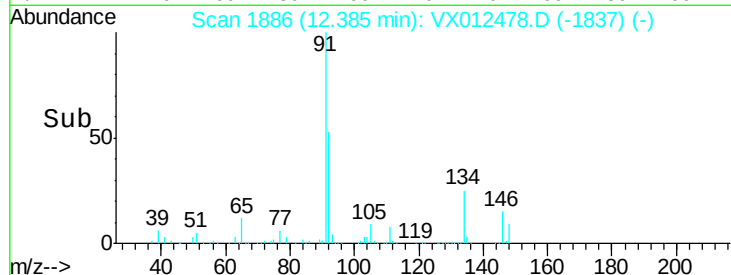
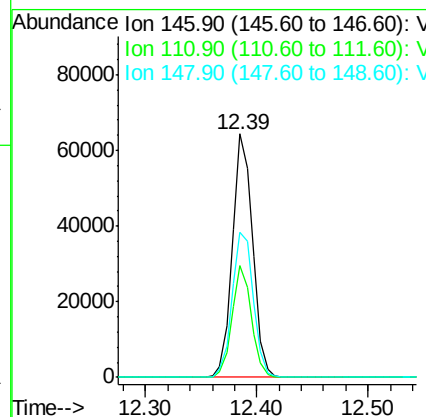
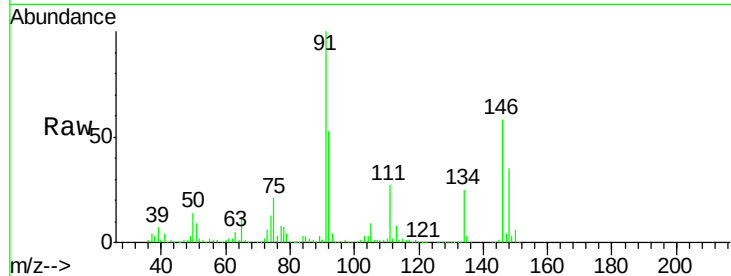
ClientSampleId :

VX0918WBSD01

Tot Ion:	146	Resp:	80651
Ion Ratio	Lower	Upper	
146	100		
111	43.7	22.1	66.1
148	62.5	31.3	93.9

Manual Integrations
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9/19/2019 1:04:41 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.306 ug/l

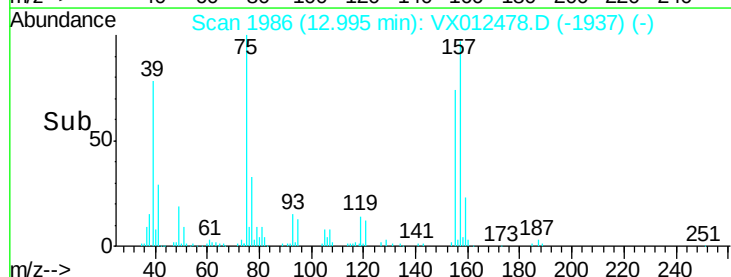
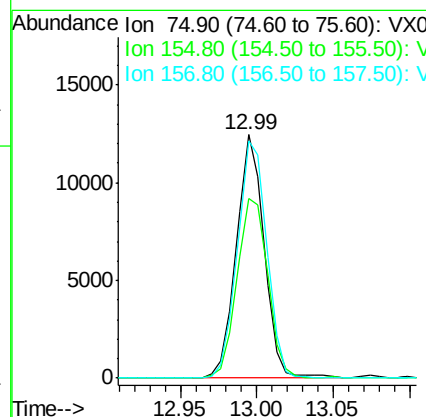
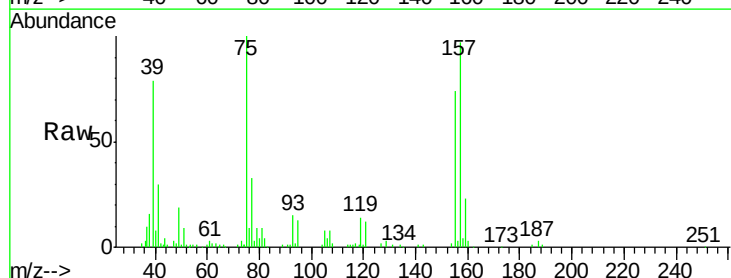
RT: 12.99 min Scan# 1986

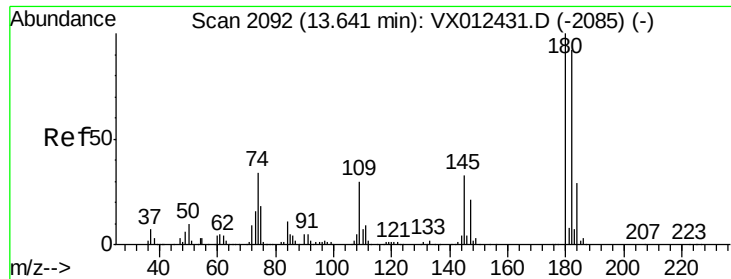
Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	75	Resp:	15675
Ion Ratio	Lower	Upper	
75	100		
155	81.4	38.6	115.8
157	102.5	50.6	151.9





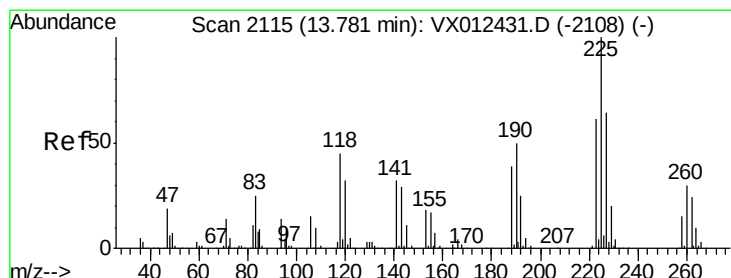
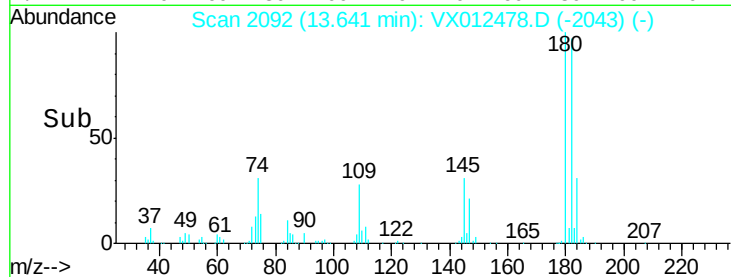
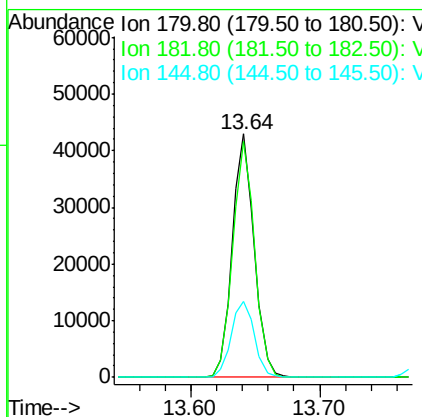
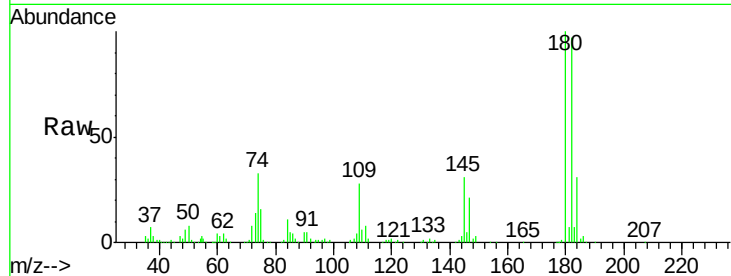
#93
 1,2,4-Trichlorobenzene
 Concen: 18.597 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51153		
182	96.9	47.0	141.0	
145	33.0	16.8	50.4	

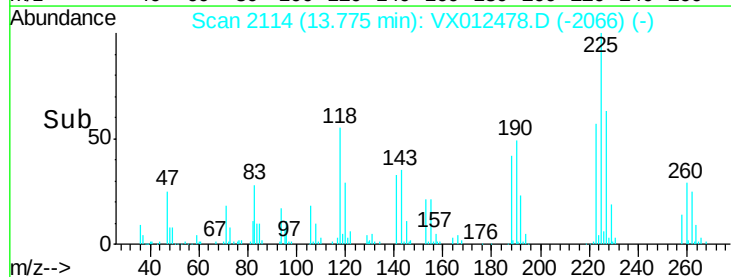
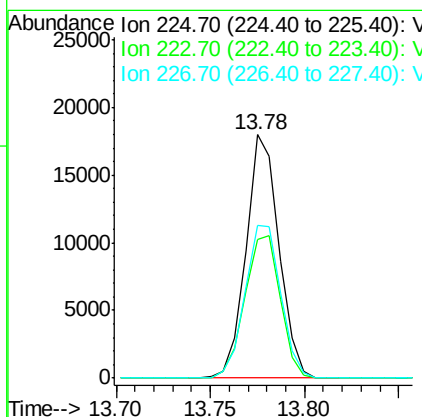
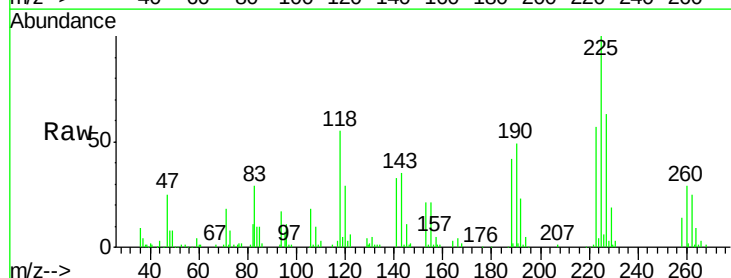
Manual Integrations
 APPROVED

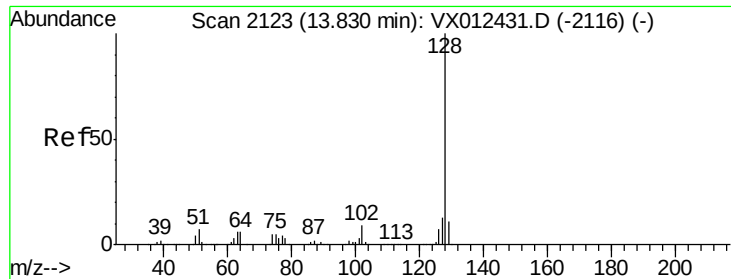
MMDadoda
 9/19/2019 1:04:41 PM



#94
 Hexachlorobutadiene
 Concen: 16.831 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012478.D
 Acq: 18 Sep 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21820		
223	63.3	32.0	96.2	
227	67.8	31.9	95.5	





#95

Naphthalene

Concen: 19.149 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Instrument :

MSVOA_X

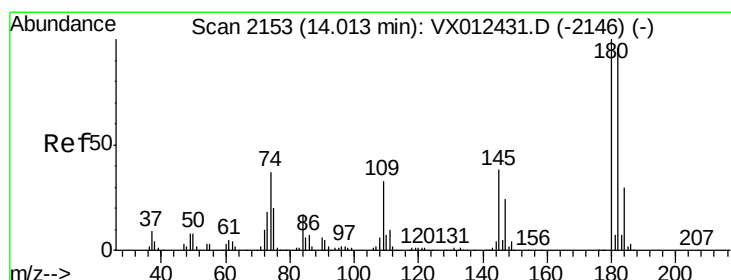
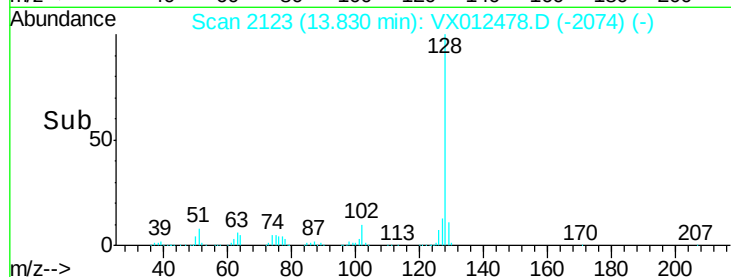
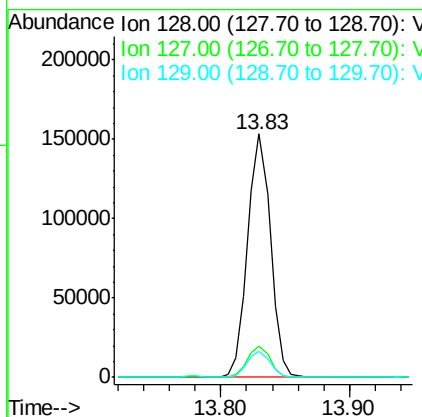
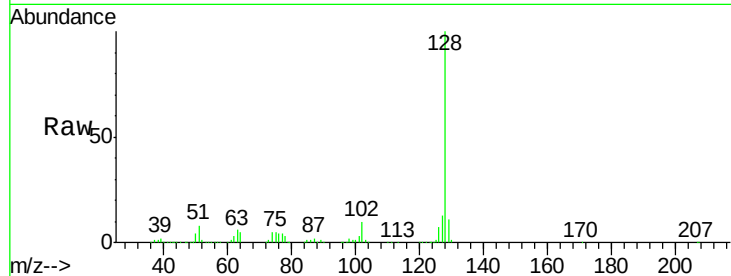
ClientSampleId :

VX0918WBSD01

Tot Ion:	128	Resp:	187421
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:04:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.847 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012478.D

Acq: 18 Sep 2019 16:57

Tgt Ion:	180	Resp:	52829
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.1	141.3
145	35.2	18.0	54.0

