

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX090819\
 Data File : VX012217.D
 Acq On : 08 Sep 2019 12:28
 Operator : SY/SP
 Sample : VX0908SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:43:09 AM

Quant Time: Sep 09 02:12:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	121387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	220947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	203082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	82752	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	5.48	113	64335	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	8.71	98	236529	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.14	95	105350	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	19818	17.704	ug/l	95
3) Chloromethane	1.31	50	19069	16.634	ug/l	99
4) Vinyl Chloride	1.39	62	18251	16.922	ug/l	99
5) Bromomethane	1.62	94	9525	17.802	ug/l	97
6) Chloroethane	1.70	64	11767	17.549	ug/l	97
7) Trichlorofluoromethane	1.91	101	30400	18.147	ug/l	96
8) Diethyl Ether	2.17	74	11120	19.208	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22066	17.784	ug/l #	85
10) Methyl Iodide	2.50	142	10509	14.184	ug/l	91
11) Tert butyl alcohol	3.04	59	16475	102.409	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	19769	16.539	ug/l	89
13) Acrolein	2.28	56	5336	113.807	ug/l	98
14) Allyl chloride	2.72	41	38861	17.968	ug/l	98
15) Acrylonitrile	3.12	53	36482	100.286	ug/l	98
16) Acetone	2.43	43	39645	99.029	ug/l	100
17) Carbon Disulfide	2.55	76	40281	11.531	ug/l	100
18) Methyl Acetate	2.76	43	17983	19.068	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	77156	19.827	ug/l	97
20) Methylene Chloride	2.84	84	26969	16.776	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	22671	16.163	ug/l	91
22) Diisopropyl ether	3.84	45	86802	19.690	ug/l	95
23) Vinyl Acetate	3.80	43	282506	99.064	ug/l	97
24) 1,1-Dichloroethane	3.68	63	47021	18.391	ug/l	98
25) 2-Butanone	4.65	43	52396	102.818	ug/l	96
26) 2,2-Dichloropropane	4.57	77	42353	17.942	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	29242	17.785	ug/l	92
28) Bromochloromethane	5.00	49	20950	20.527	ug/l #	80
29) Tetrahydrofuran	5.11	42	31339	102.070	ug/l	98
30) Chloroform	5.19	83	52423	19.108	ug/l	96
31) Cyclohexane	5.56	56	32622	15.887	ug/l	89
32) 1,1,1-Trichloroethane	5.48	97	44284	18.534	ug/l	95
36) 1,1-Dichloropropene	5.78	75	32816	16.863	ug/l	95
37) Ethyl Acetate	4.82	43	22483	21.246	ug/l	99
38) Carbon Tetrachloride	5.77	117	36522	17.811	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	34700	15.364	ug/l	93
40) Benzene	6.13	78	99225	17.761	ug/l	97
41) Methacrylonitrile	5.03	41	14017	22.212	ug/l	94
42) 1,2-Dichloroethane	6.18	62	40556	20.173	ug/l	97
43) Isopropyl Acetate	6.43	43	44993	20.911	ug/l	97
44) Trichloroethene	7.20	130	26399	17.520	ug/l	83
45) 1,2-Dichloropropane	7.50	63	27092	18.770	ug/l	97
46) Dibromomethane	7.65	93	15524	18.424	ug/l #	75
47) Bromodichloromethane	7.89	83	39611	18.495	ug/l #	98
48) Methyl methacrylate	7.76	41	21647	20.009	ug/l	94
49) 1,4-Dioxane	7.73	88	5512	373.734	ug/l	89
51) 4-Methyl-2-Pentanone	8.64	43	115406	105.448	ug/l	97
52) Toluene	8.78	92	65745	18.087	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	39685	17.898	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	43523	17.651	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	23445	19.463	ug/l	98
56) Ethyl methacrylate	9.17	69	33165	19.221	ug/l	94
57) 1,3-Dichloropropane	9.37	76	40183	19.331	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	81041	104.179	ug/l	93
59) 2-Hexanone	9.49	43	83132	104.100	ug/l	97
60) Dibromochloromethane	9.58	129	26851	18.703	ug/l	99
61) 1,2-Dibromoethane	9.67	107	22504	19.333	ug/l	97
64) Tetrachloroethene	9.33	164	22992	18.160	ug/l #	87
65) Chlorobenzene	10.14	112	72434	18.077	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	28126	19.197	ug/l	96
67) Ethyl Benzene	10.25	91	131345	17.983	ug/l	94
68) m/p-Xylenes	10.35	106	95838	35.614	ug/l	90
69) o-Xylene	10.70	106	47398	18.164	ug/l	89
70) Styrene	10.71	104	83880	18.507	ug/l	95
71) Bromoform	10.85	173	14500	18.019	ug/l #	98
73) Isopropylbenzene	11.01	105	130514	17.704	ug/l	97
74) N-amyl acetate	10.89	43	40741	18.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	29813	19.398	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	26813m	21.840	ug/l	
77) Bromobenzene	11.25	156	31196	18.921	ug/l	72
78) n-propylbenzene	11.35	91	155743	17.487	ug/l	94
79) 2-Chlorotoluene	11.42	91	97014	17.980	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	117233	18.146	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	8537	16.440	ug/l	86
82) 4-Chlorotoluene	11.51	91	117926	18.336	ug/l	92
83) tert-Butylbenzene	11.76	119	111305	18.076	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	118653	17.869	ug/l	96
85) sec-Butylbenzene	11.94	105	133035	17.394	ug/l	95
86) p-Isopropyltoluene	12.06	119	121383	17.451	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	60899	18.433	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	61586	18.643	ug/l	94
89) n-Butylbenzene	12.39	91	118010	17.465	ug/l	95
90) Hexachloroethane	12.59	117	22420	16.143	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	58035	19.504	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6334	19.695	ug/l	62

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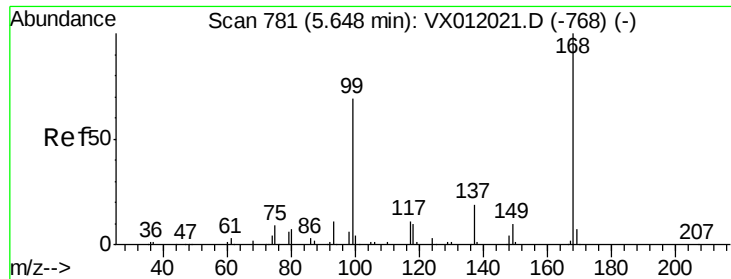
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	39085	18.455	ug/l	94
94) Hexachlorobutadiene	13.78	225	19194	17.979	ug/l	96
95) Naphthalene	13.83	128	100390	21.902	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	35580	19.096	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion:168 Resp: 121387

Ion Ratio Lower Upper

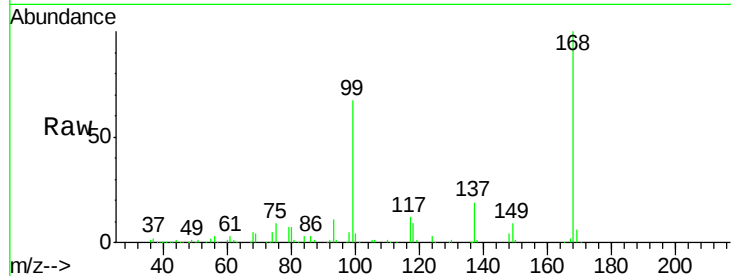
168 100

99 66.7 37.6 56.4#

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

40000

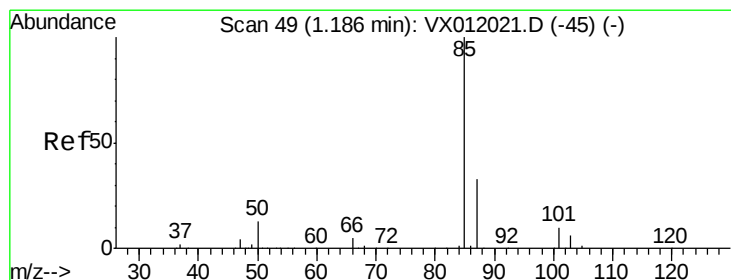
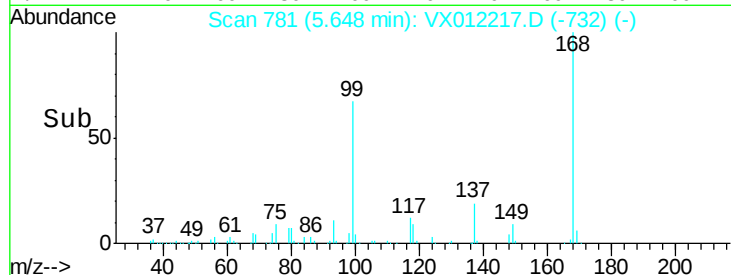
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.704 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012217.D

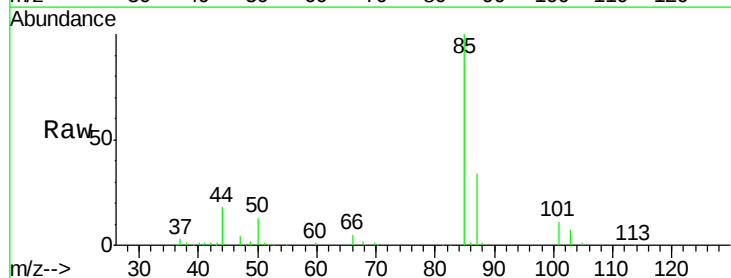
Acq: 08 Sep 2019 12:28

Tgt Ion: 85 Resp: 19818

Ion Ratio Lower Upper

85 100

87 33.8 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

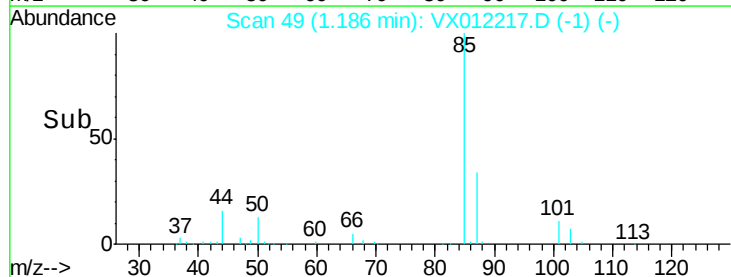
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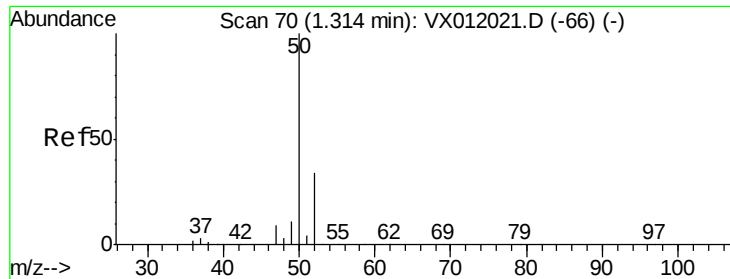
10000

5000

0

Time-->





#3

Chloromethane

Concen: 16.634 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion: 50 Resp: 19069

Ion Ratio Lower Upper

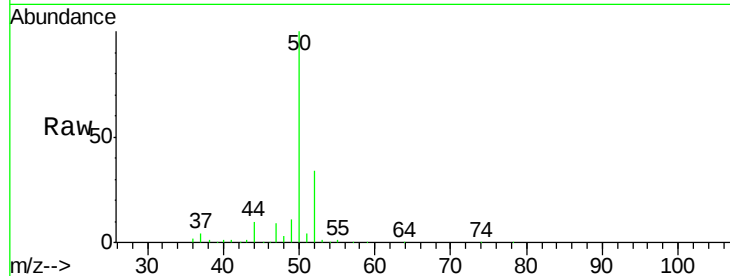
50 100

52 33.5 26.5 39.7

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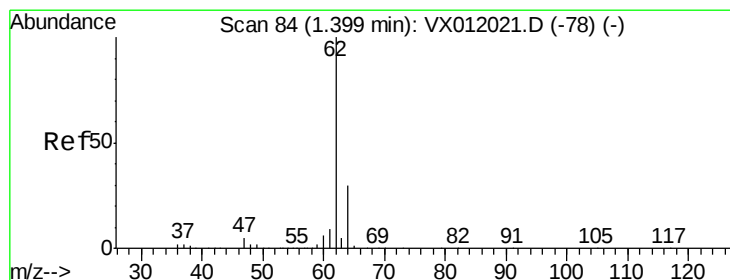
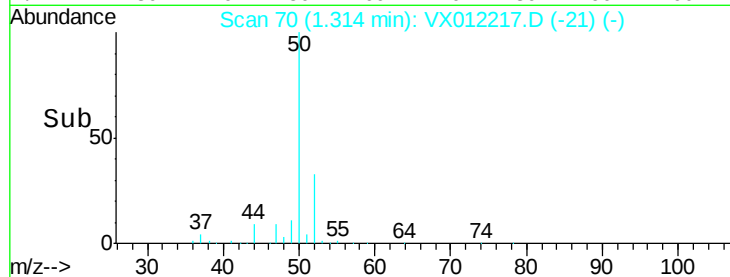
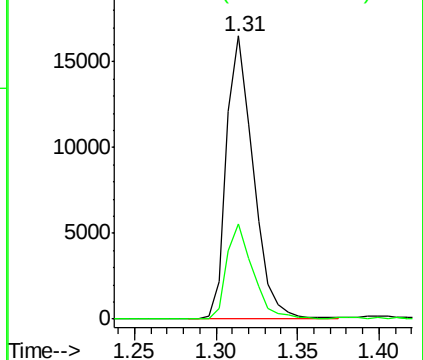
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.922 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012217.D

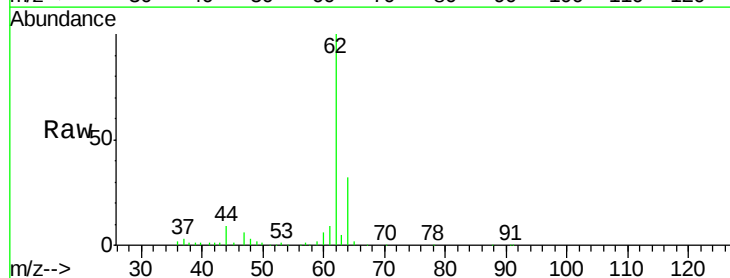
Acq: 08 Sep 2019 12:28

Tgt Ion: 62 Resp: 18251

Ion Ratio Lower Upper

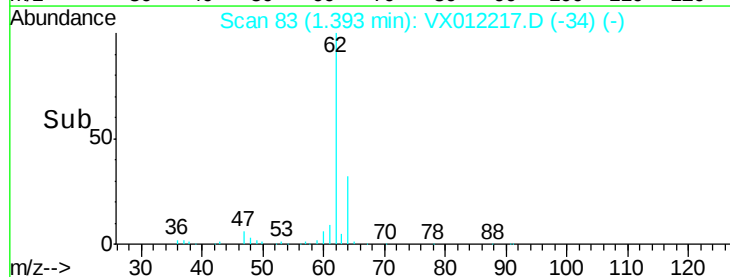
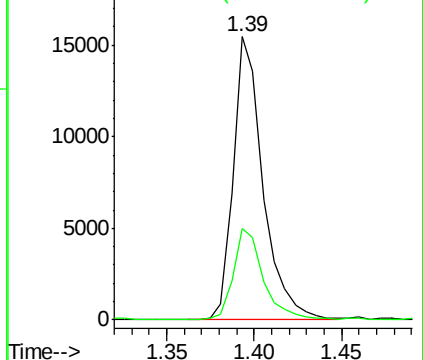
62 100

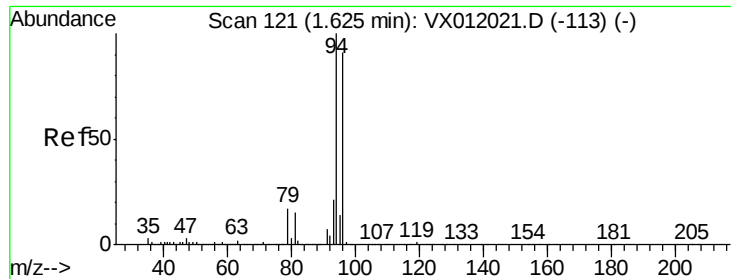
64 32.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.802 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion: 94 Resp: 9525

Ion Ratio Lower Upper

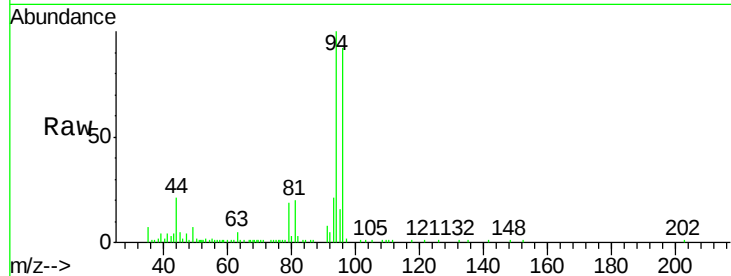
94 100

96 92.2 76.3 114.5

Manual Integrations
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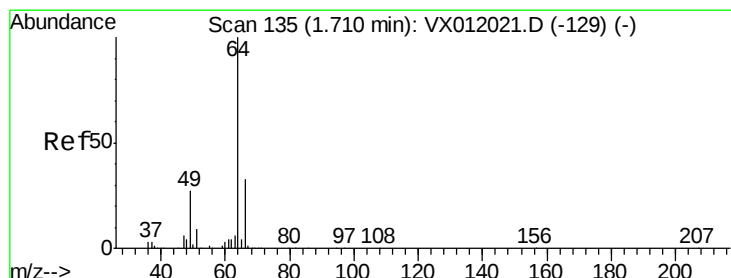
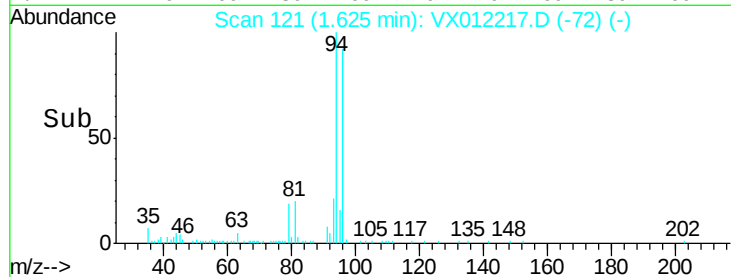
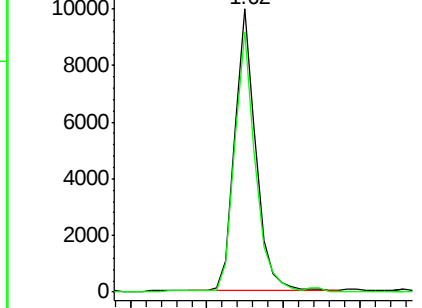
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.549 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012217.D

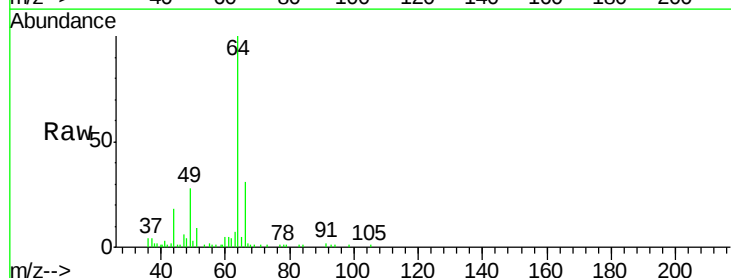
Acq: 08 Sep 2019 12:28

Tgt Ion: 64 Resp: 11767

Ion Ratio Lower Upper

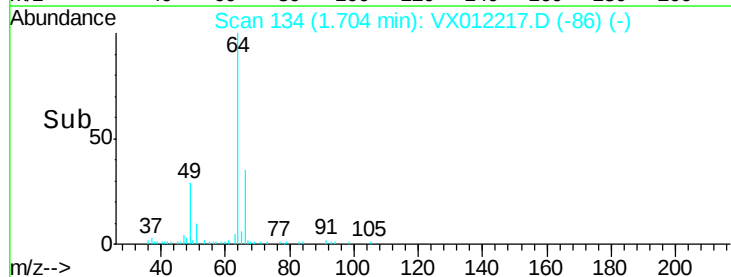
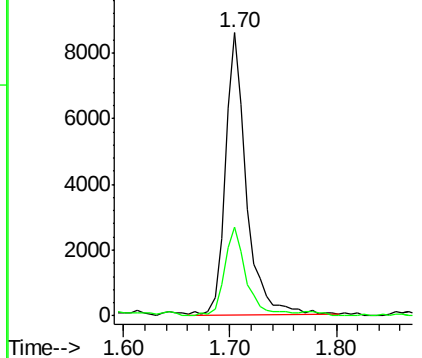
64 100

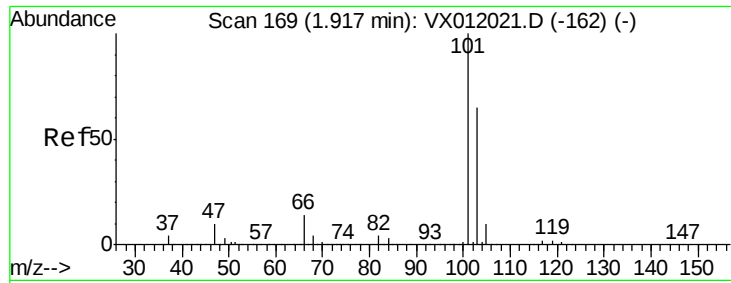
66 31.5 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

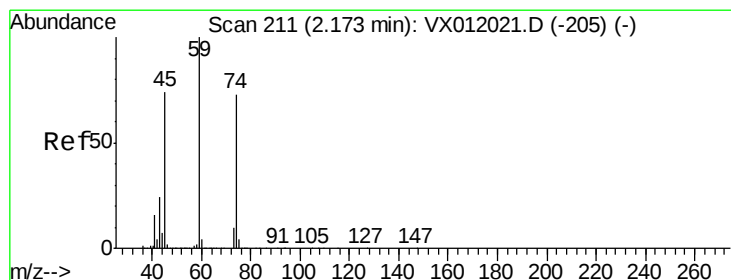
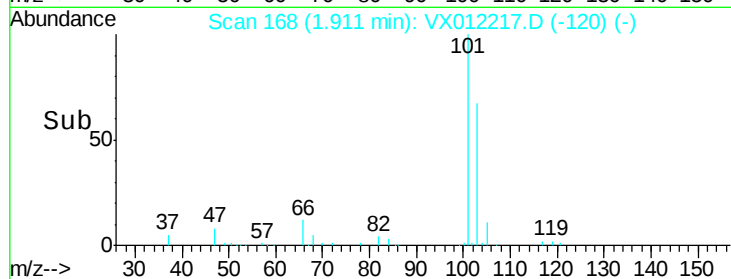
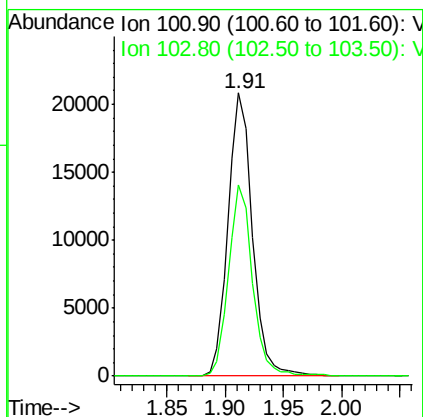
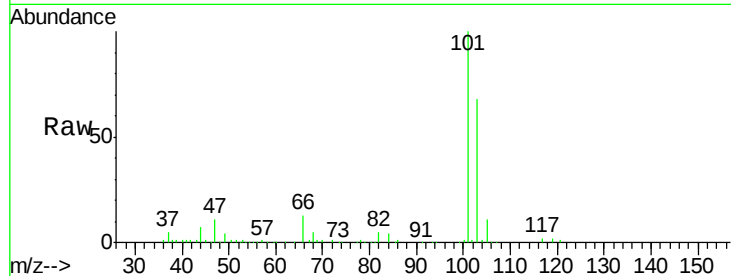
Trichlorofluoromethane
Concen: 18.147 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
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ClientSampleId :
VX0908SBS02

Tot Ion:101 Resp: 30400
Ion Ratio Lower Upper
101 100
103 67.8 51.6 77.4

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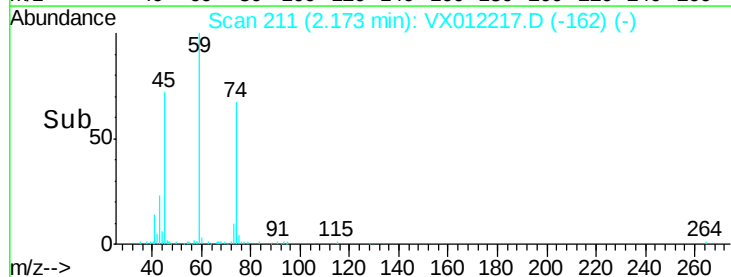
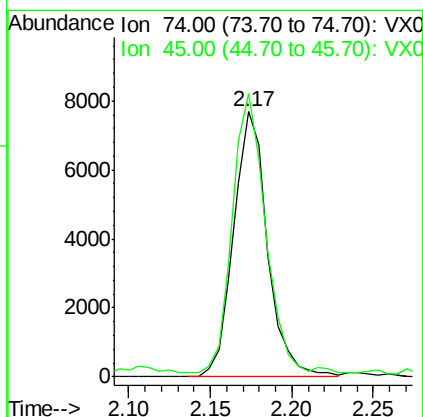
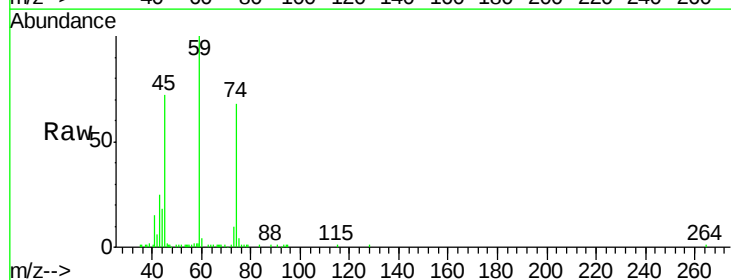
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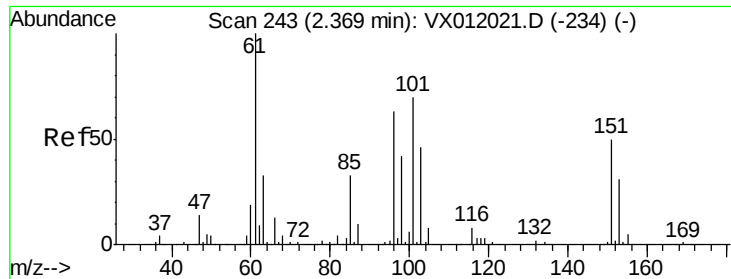


#8

Diethyl Ether
Concen: 19.208 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion: 74 Resp: 11120
Ion Ratio Lower Upper
74 100
45 101.8 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.784 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

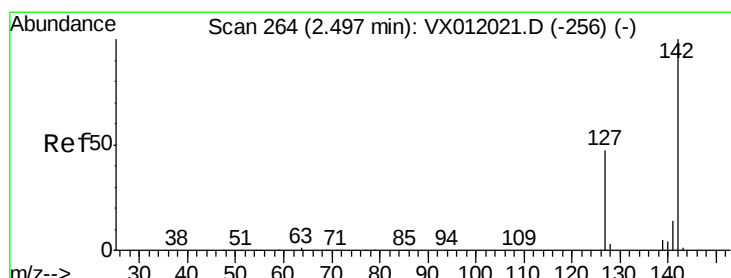
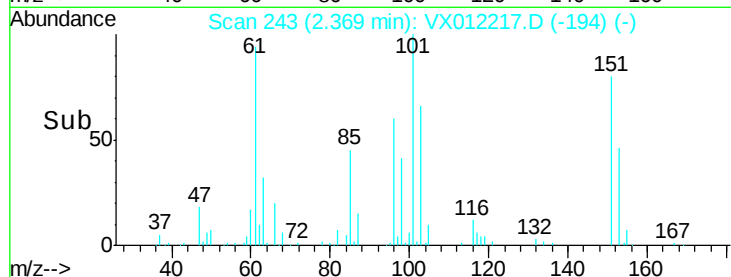
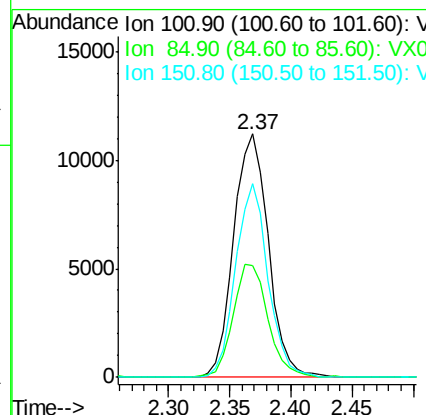
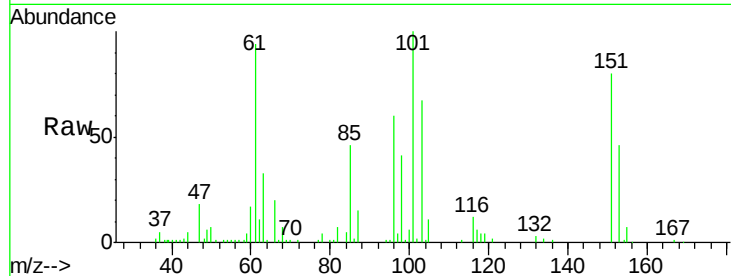
ClientSampleId :

VX0908SBS02

Tot Ion:	101	Resp:	22066
Ion Ratio	Lower	Upper	
101	100		
85	46.3	34.5	51.7
151	74.3	75.0	112.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 14.184 ug/l

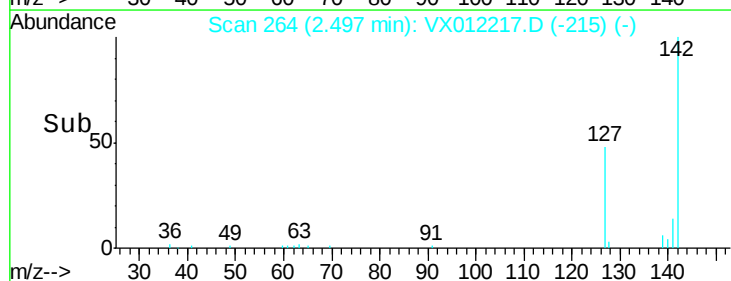
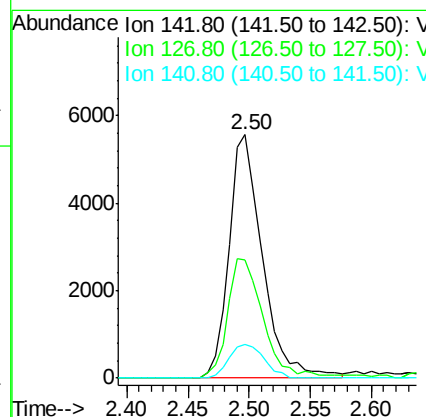
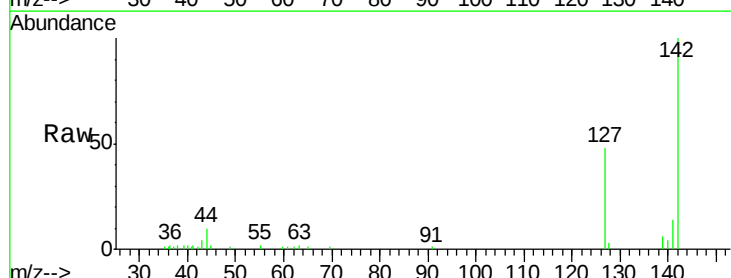
RT: 2.50 min Scan# 264

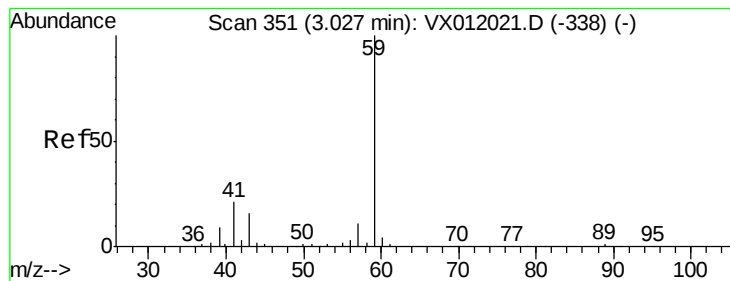
Delta R.T. 0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tgt Ion:	142	Resp:	10509
Ion Ratio	Lower	Upper	
142	100		
127	52.0	35.4	53.2
141	14.4	11.4	17.2





#11

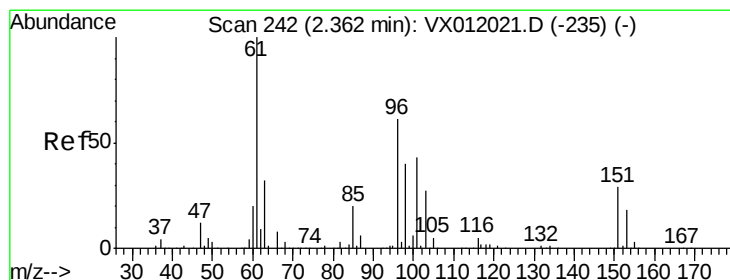
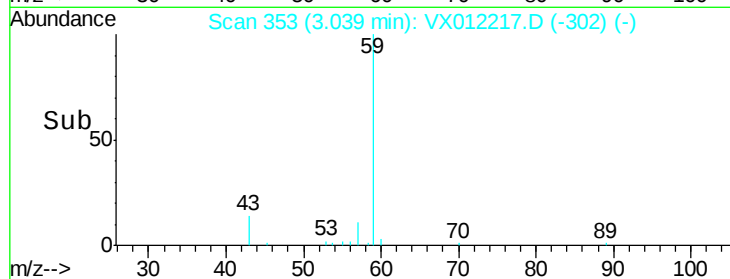
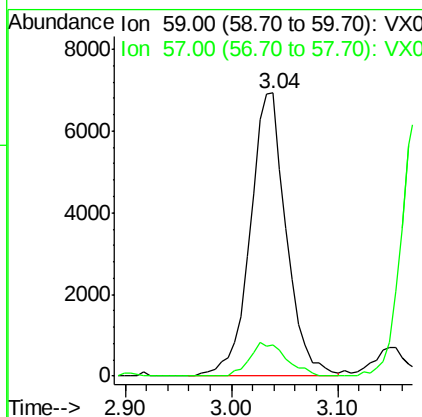
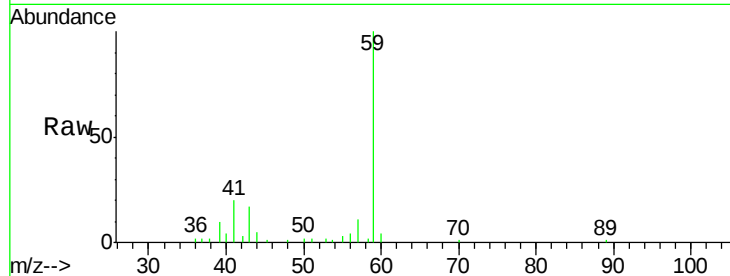
Tert butyl alcohol
 Concen: 102.409 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	7.9	11.9#

Manual Integrations
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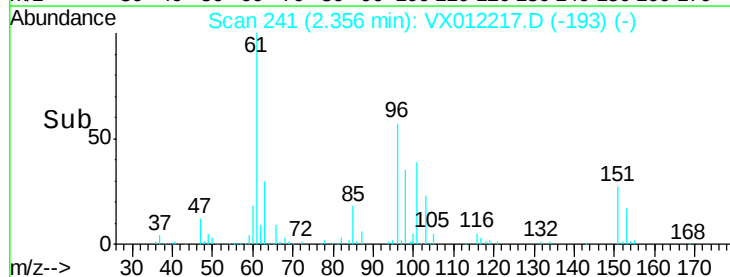
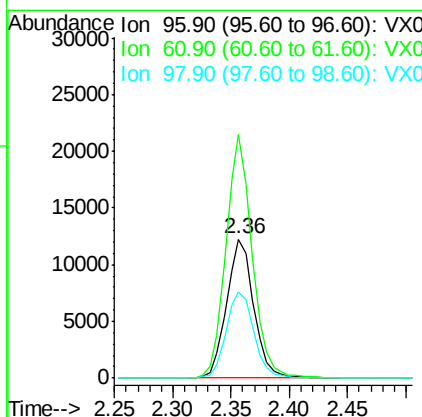
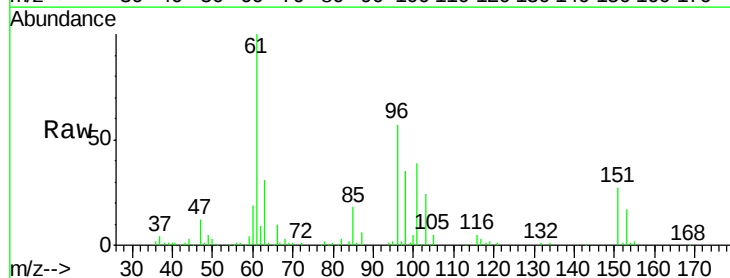
MMDadoda
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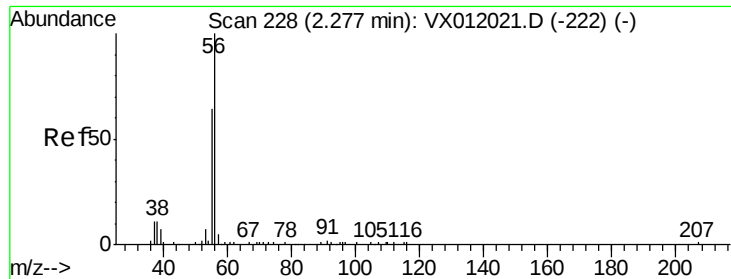


#12

1,1-Dichloroethene
 Concen: 16.539 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.8	124.1	186.1
98	62.0	50.2	75.2





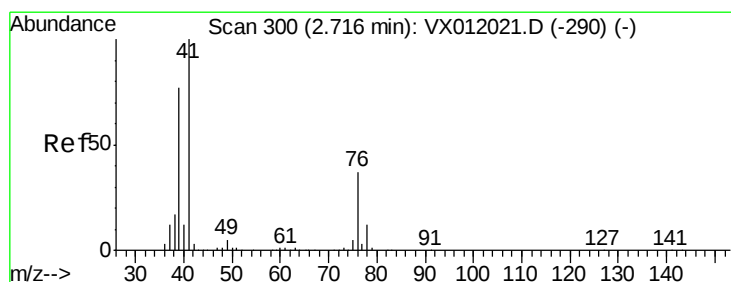
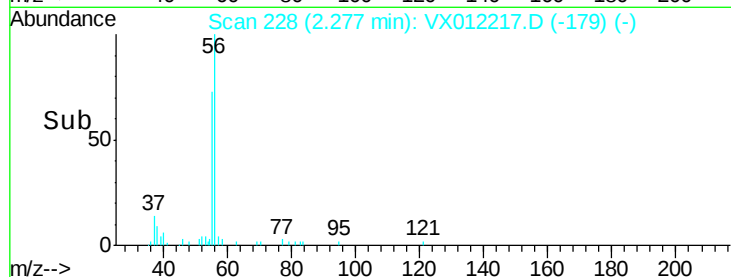
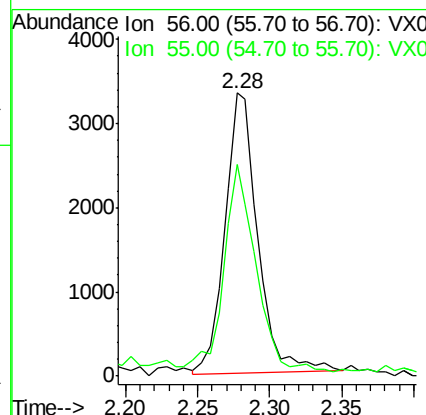
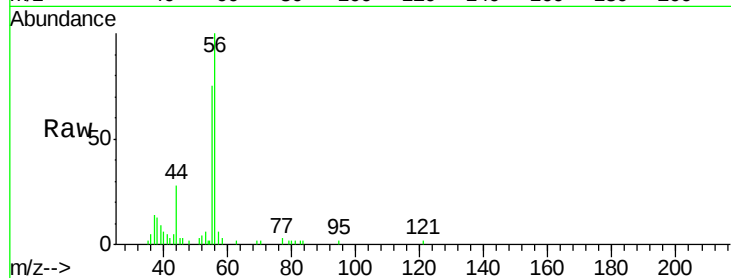
#13
Acrolein
Concen: 113.807 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.6	59.2	88.8

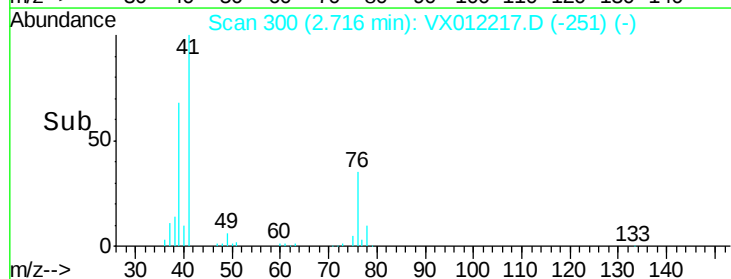
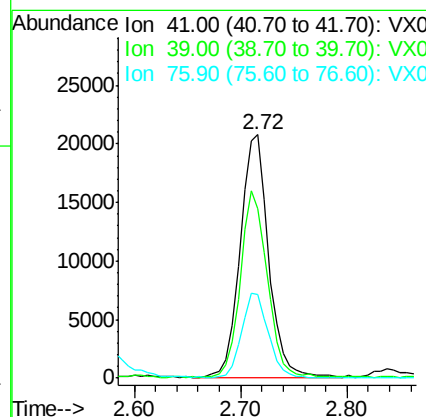
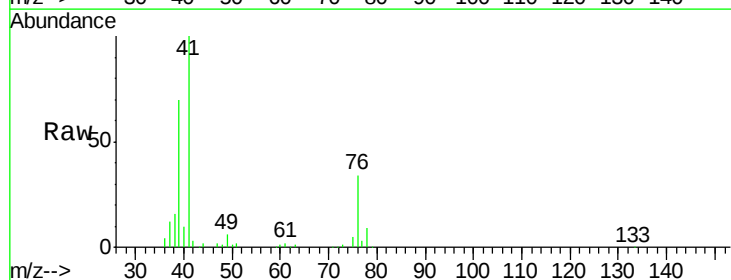
Manual Integrations
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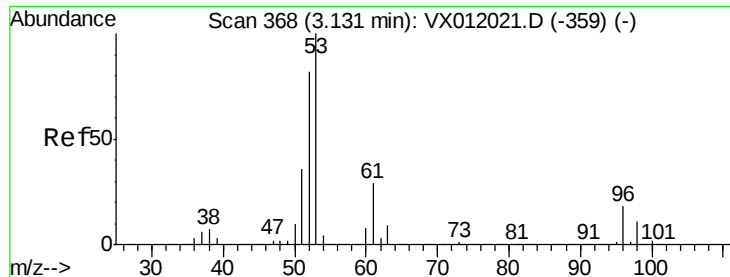
MMDadoda
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#14
Allyl chloride
Concen: 17.968 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.1	57.9	86.9
76	33.1	28.5	42.7





#15

Acrylonitrile

Concen: 100.286 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

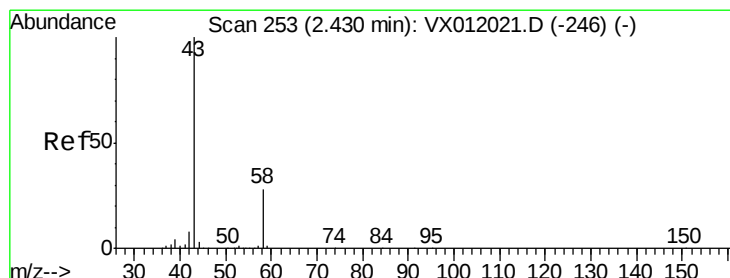
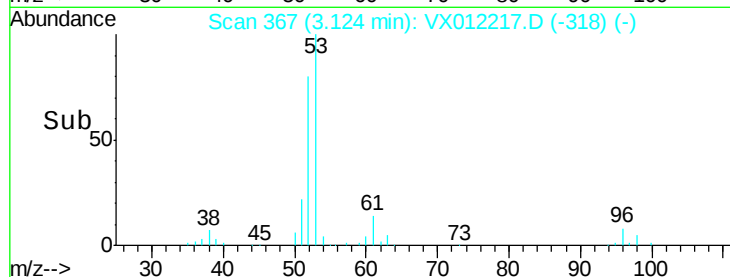
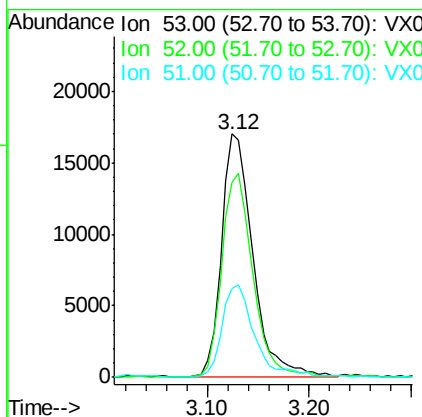
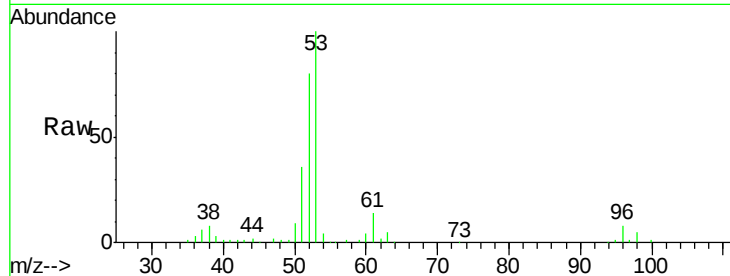
ClientSampleId :

VX0908SBS02

Tot Ion:	53	Resp:	36482
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.6	98.4
51	40.2	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 99.029 ug/l

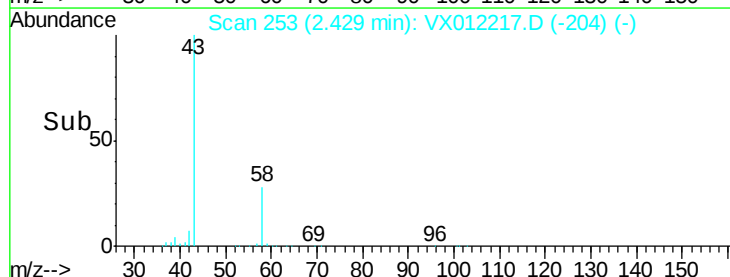
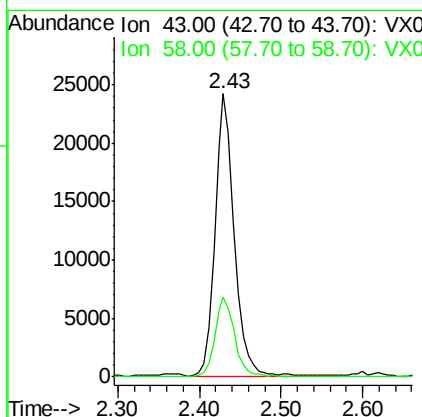
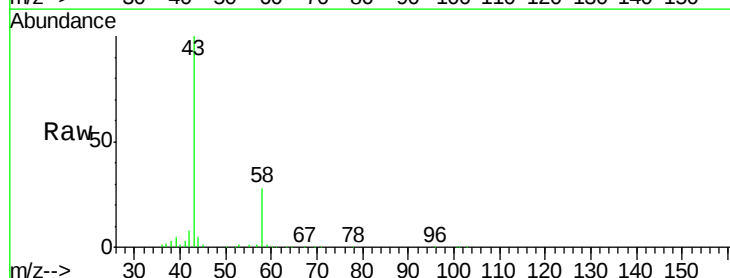
RT: 2.43 min Scan# 253

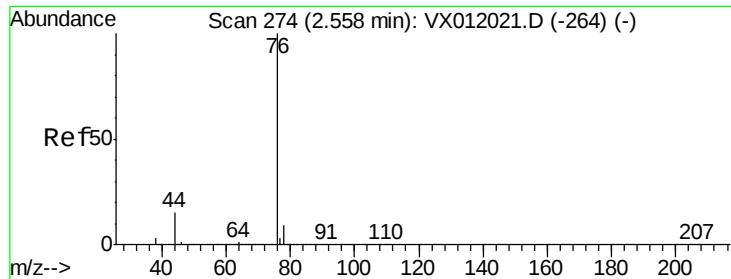
Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tgt Ion:	43	Resp:	39645
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.8	34.2





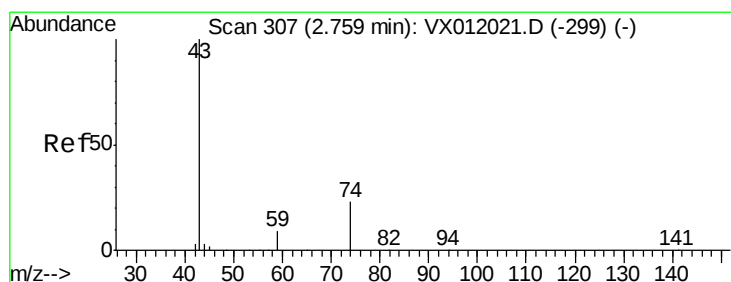
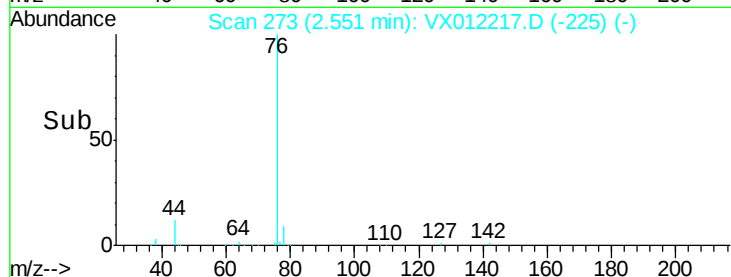
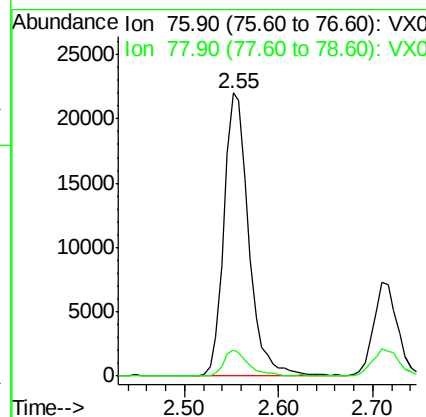
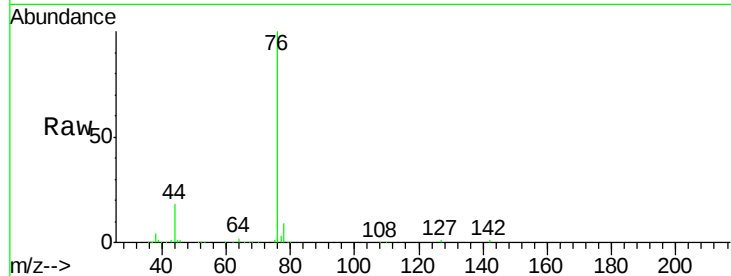
#17
Carbon Disulfide
Concen: 11.531 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

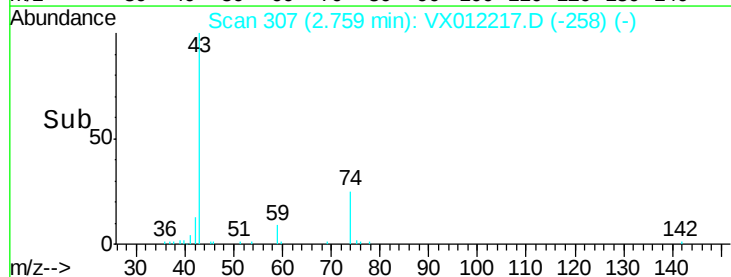
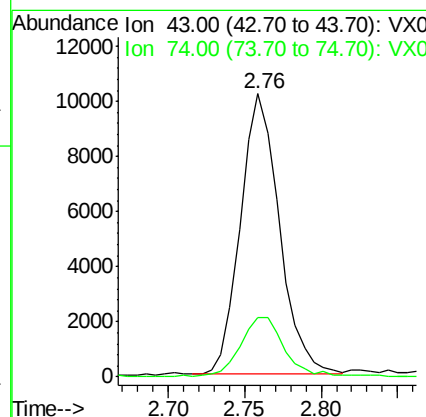
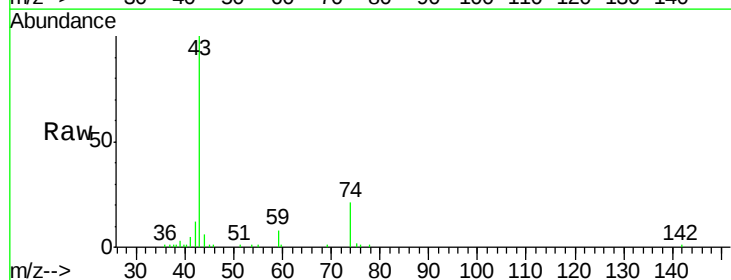
Manual Integrations
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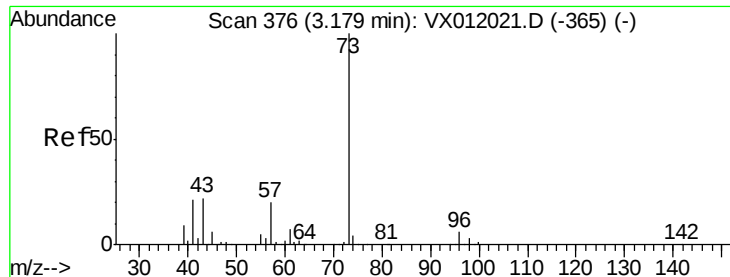
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#18
Methyl Acetate
Concen: 19.068 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.5	29.3





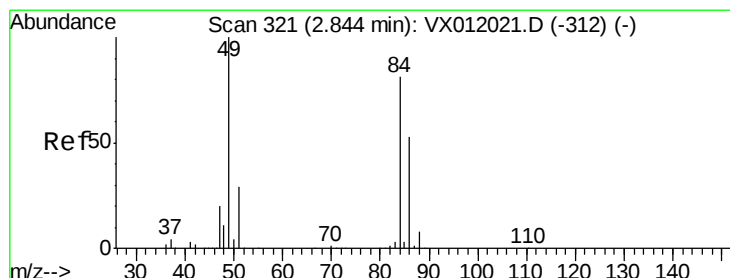
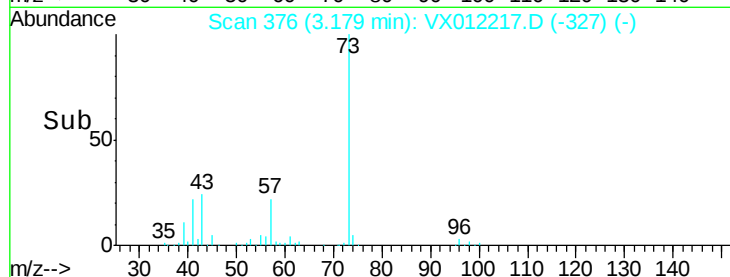
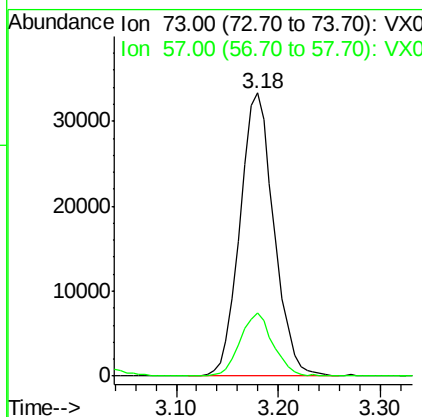
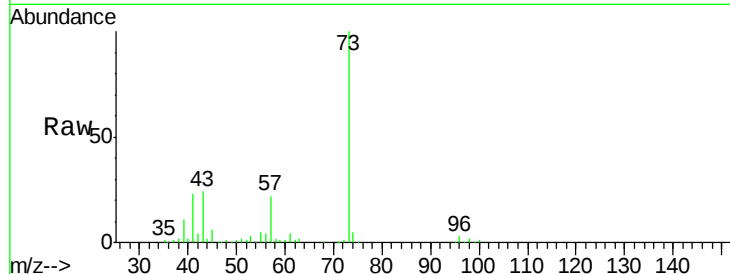
#19
Methyl tert-butyl Ether
Concen: 19.827 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.6	25.0

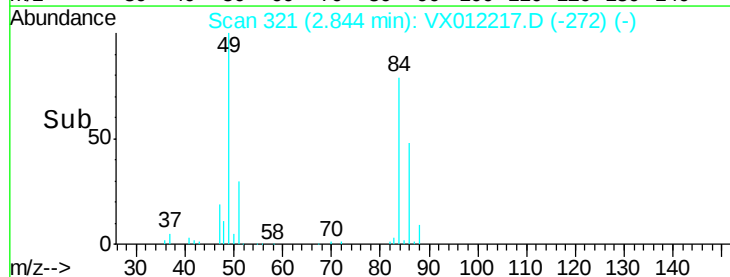
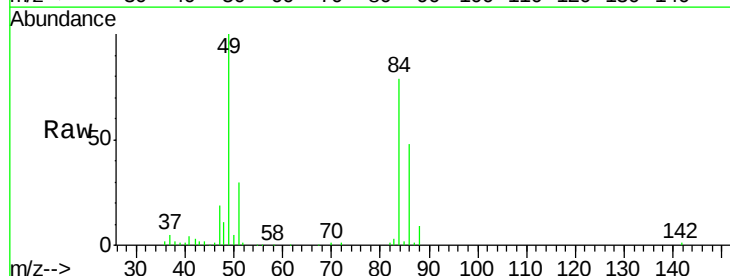
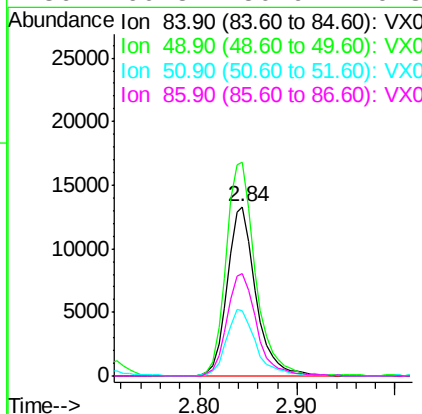
Manual Integrations
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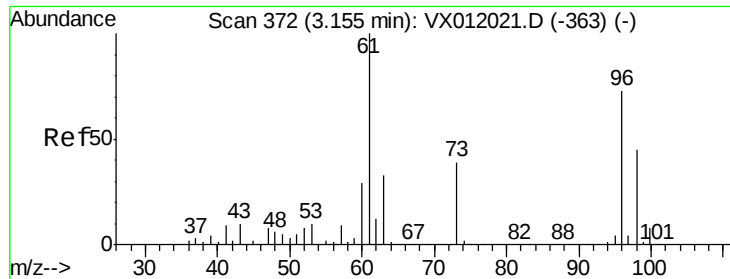
MMDadoda
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#20
Methylene Chloride
Concen: 16.776 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	95.8	143.8
51	38.5	28.6	43.0
86	60.8	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 16.163 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion: 96 Resp: 22671

Ion Ratio Lower Upper

96 100

61 149.6 107.0 160.6

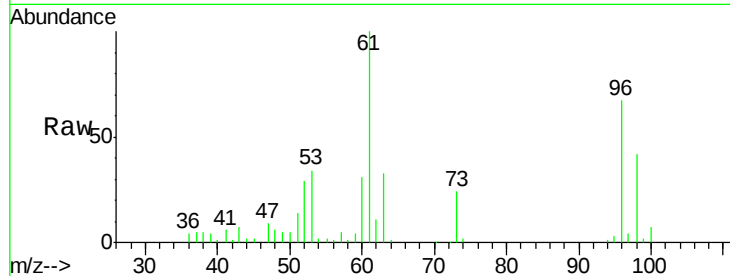
98 63.2 49.8 74.6

Manual Integrations

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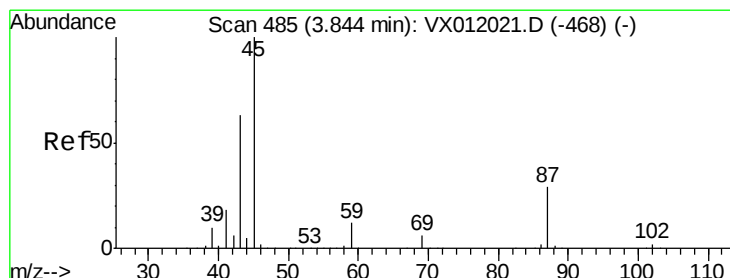
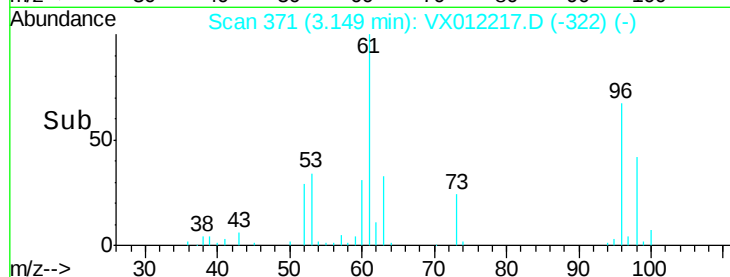
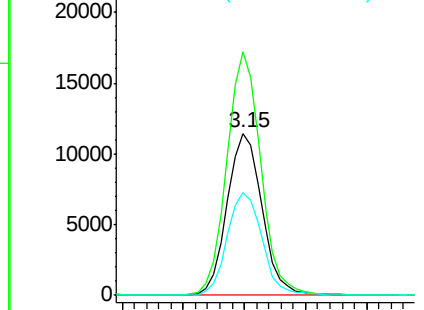
9/9/2019 8:43:09 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.690 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tgt Ion: 45 Resp: 86802

Ion Ratio Lower Upper

45 100

43 73.4 54.2 81.4

87 28.6 23.4 35.0

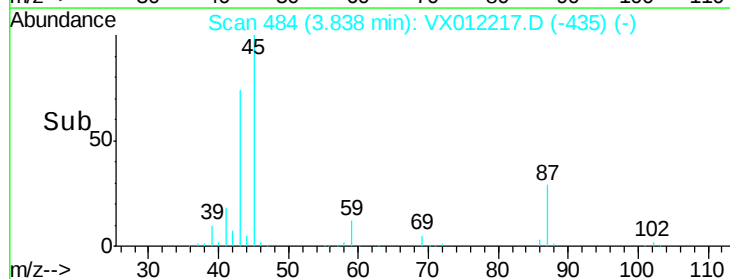
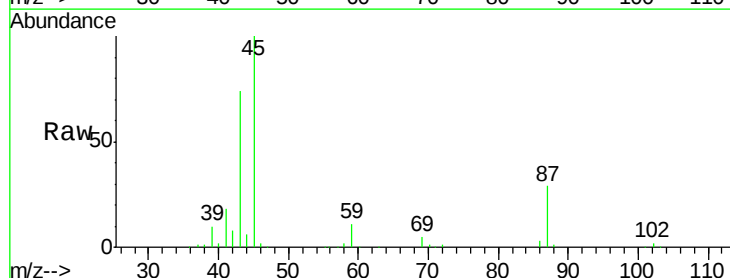
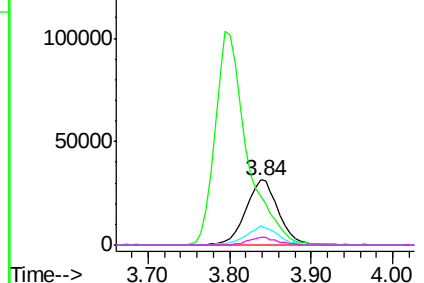
59 11.5 9.0 13.6

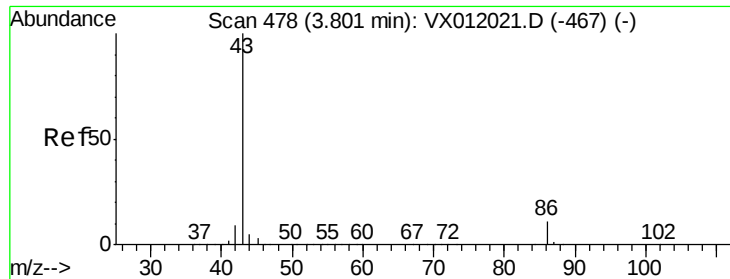
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 99.064 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion: 43 Resp: 282506

Ion Ratio Lower Upper

43 100

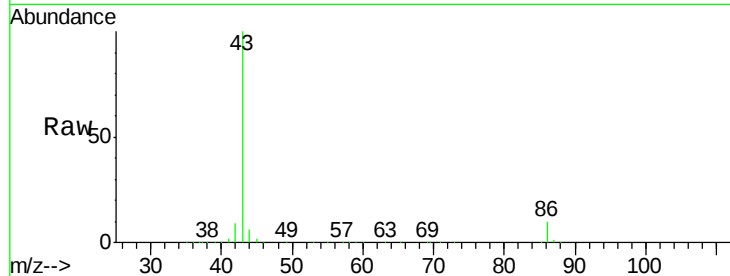
86 10.3 9.0 13.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

120000

100000

80000

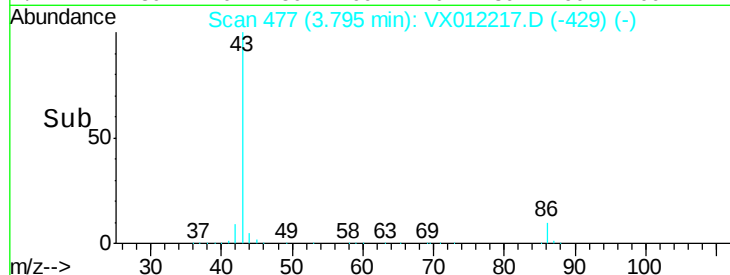
60000

40000

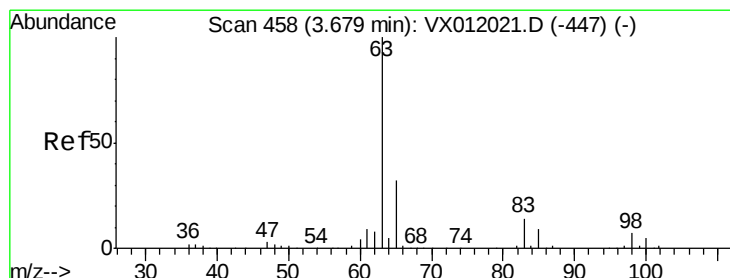
20000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 18.391 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

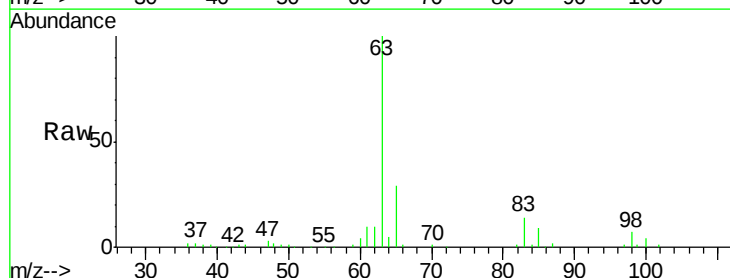
Tgt Ion: 63 Resp: 47021

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

100 4.5 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

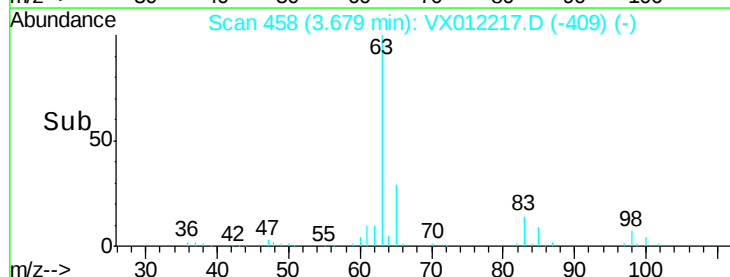
15000

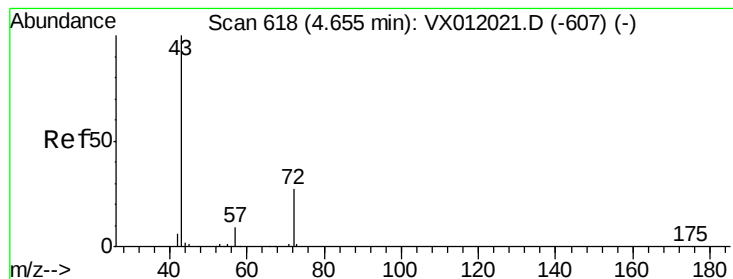
10000

5000

0

Time-->





#25

2-Butanone

Concen: 102.818 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tot Ion: 43 Resp: 52396

Ion Ratio Lower Upper

43 100

72 24.7 21.3 31.9

Instrument :

MSVOA_X

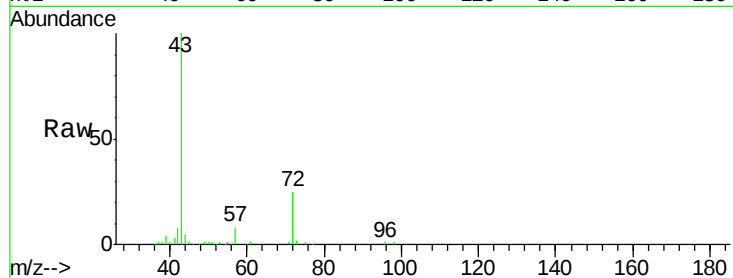
ClientSampleId :

VX0908SBS02

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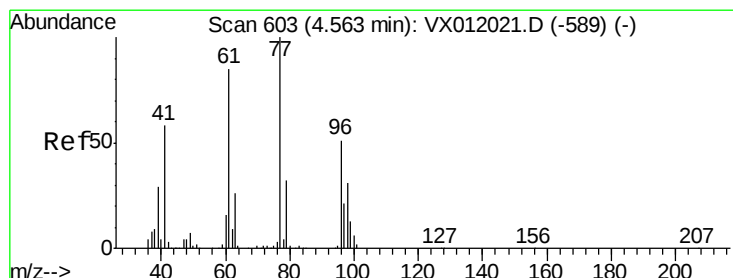
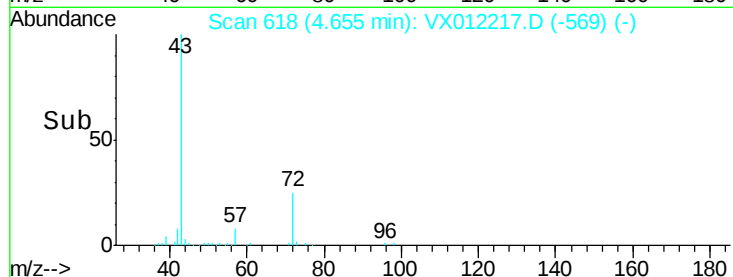
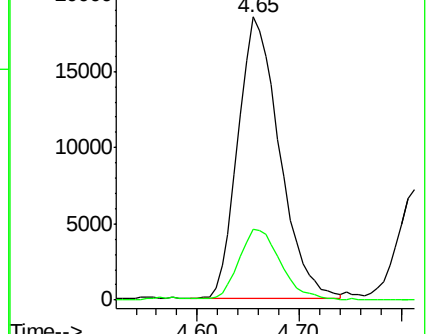
MMDadoda

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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: 17.942 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012217.D

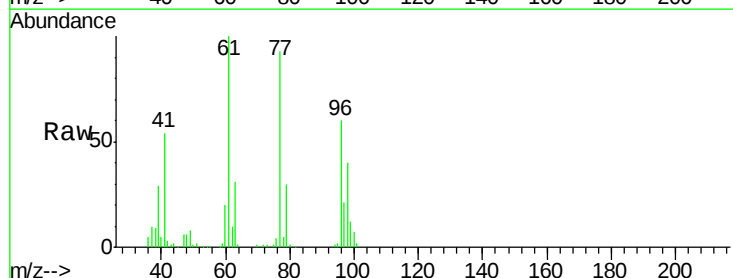
Acq: 08 Sep 2019 12:28

Tgt Ion: 77 Resp: 42353

Ion Ratio Lower Upper

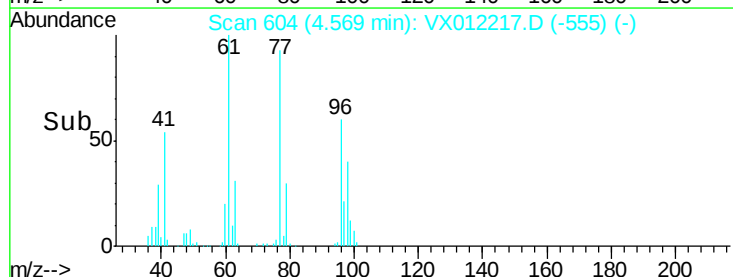
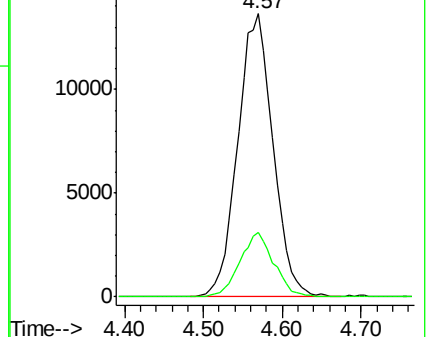
77 100

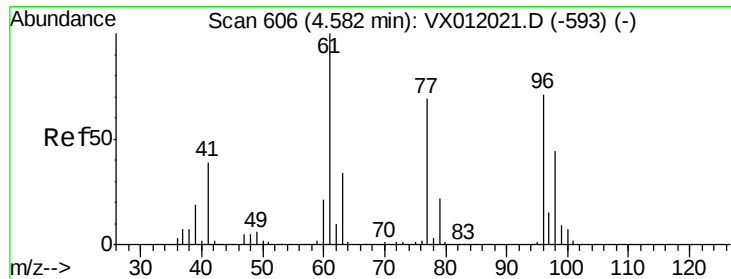
97 21.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

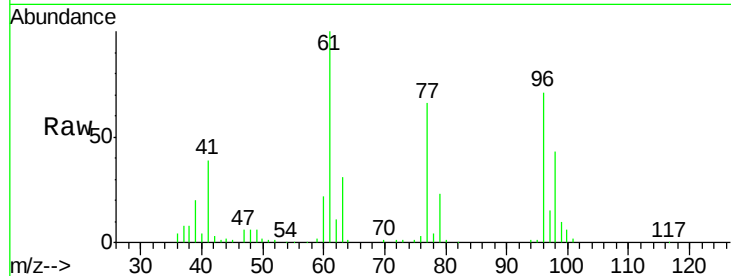
cis-1,2-Dichloroethene
 Concen: 17.785 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	277.0
98	64.2	0.0	128.4

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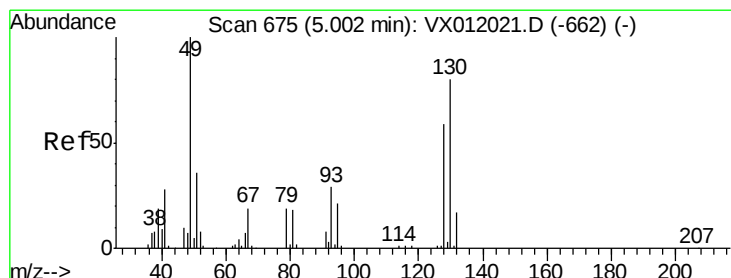
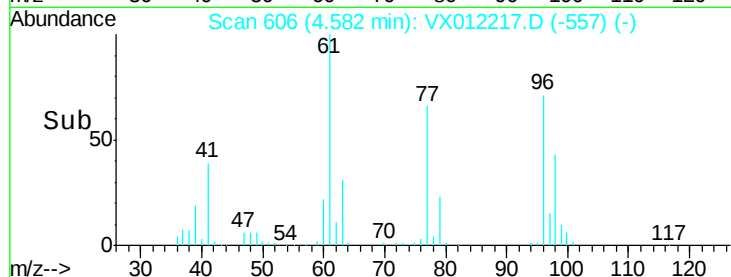
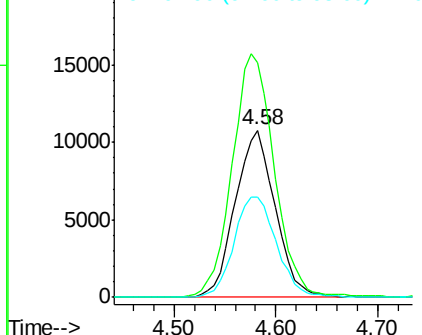


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

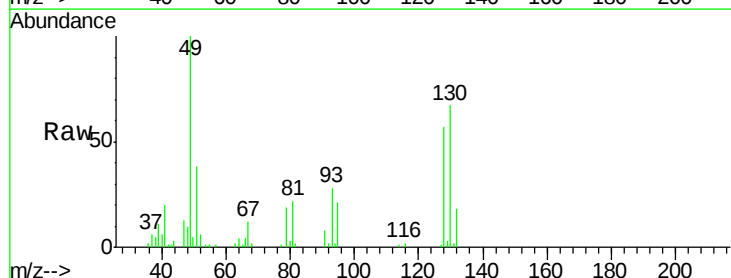
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 20.527 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.6
130	76.3	76.7	115.1#

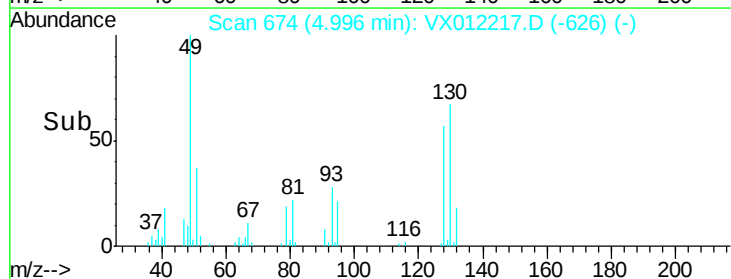
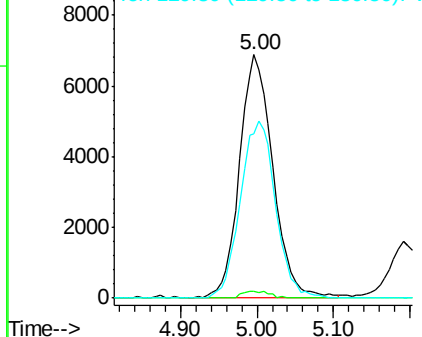


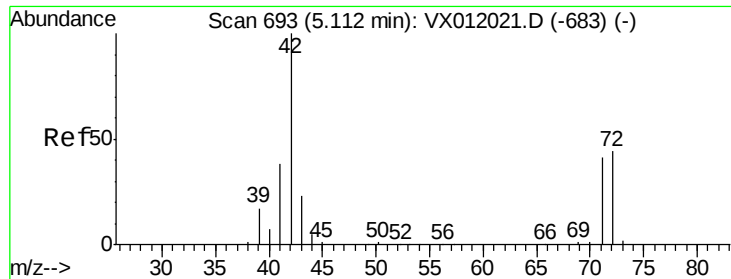
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





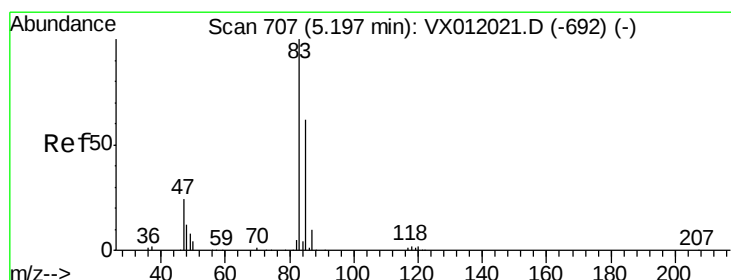
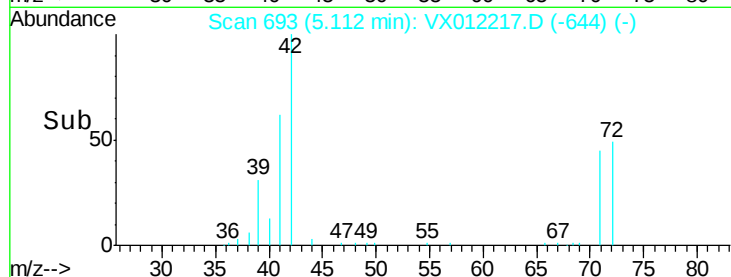
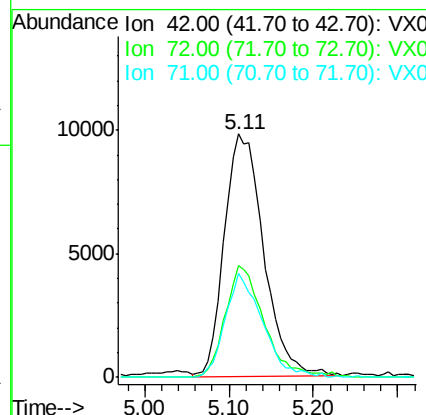
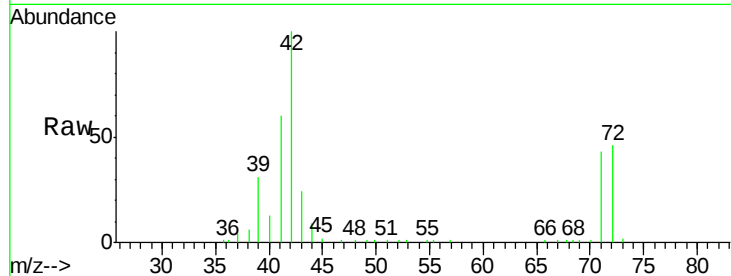
#29
Tetrahydrofuran
Concen: 102.070 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.0	55.4
71	40.5	33.8	50.8

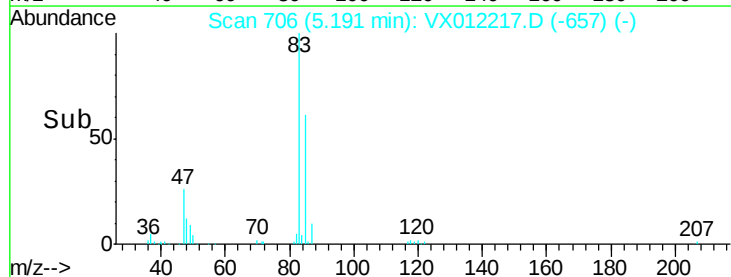
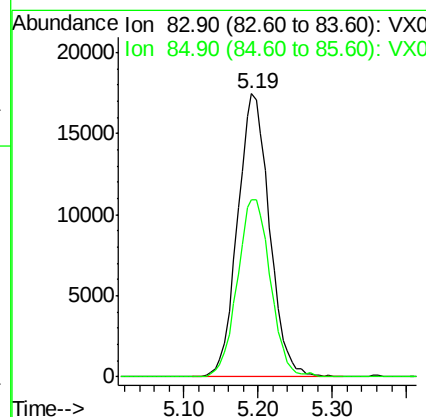
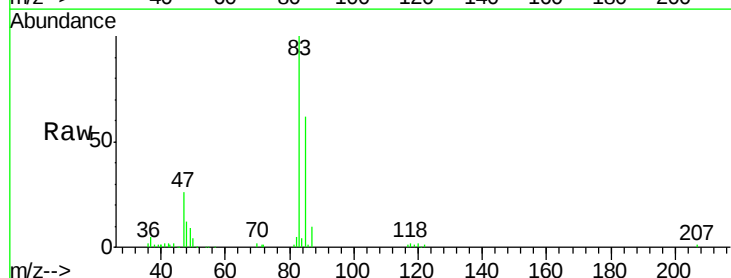
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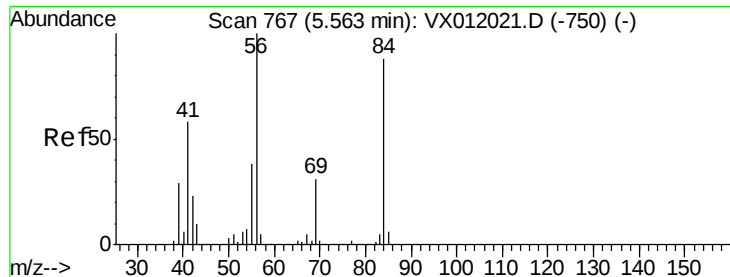
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#30
Chloroform
Concen: 19.108 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	78.8





#31

Cyclohexane

Concen: 15.887 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

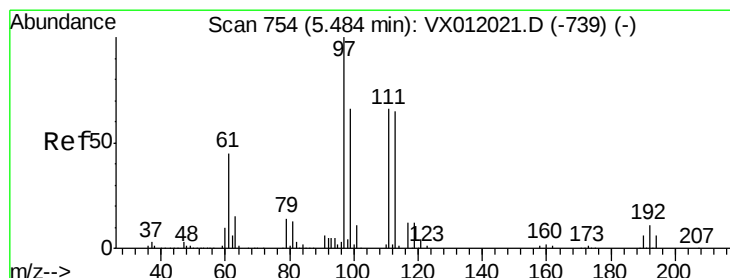
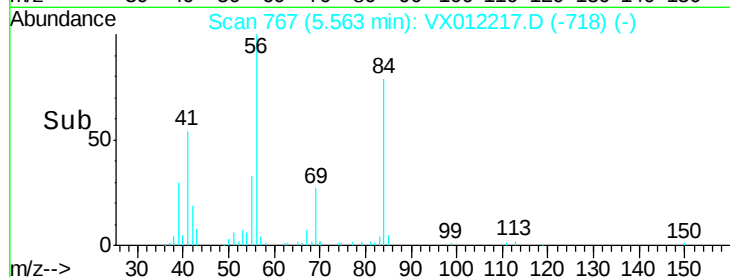
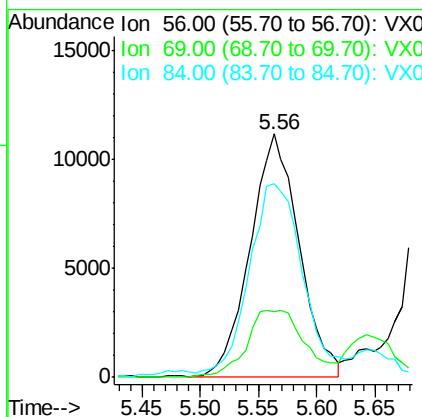
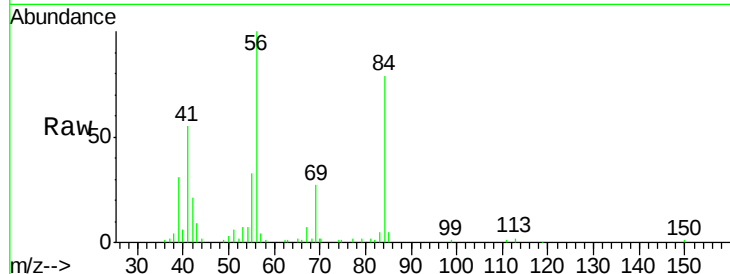
ClientSampleId :

VX0908SBS02

Tot Ion:	56	Resp:	32622
Ion	Ratio	Lower	Upper
56	100		
69	27.2	25.7	38.5
84	76.9	70.3	105.5

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#32

1,1,1-Trichloroethane

Concen: 18.534 ug/l

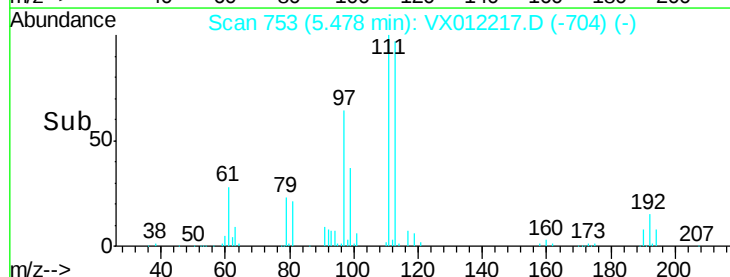
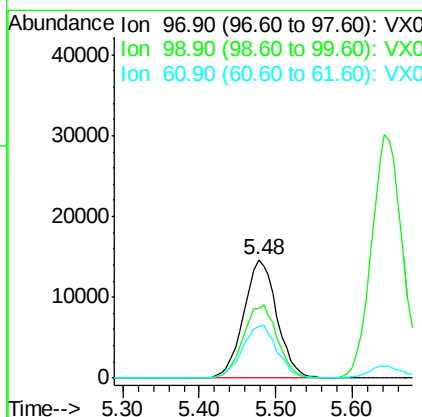
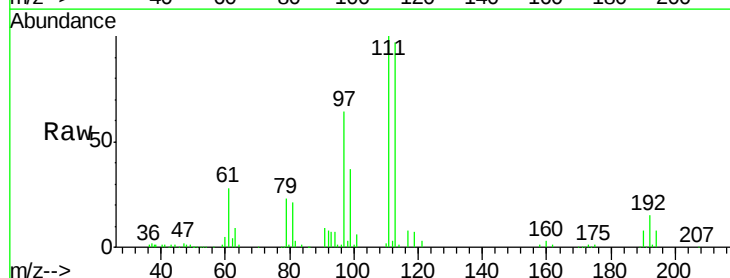
RT: 5.48 min Scan# 753

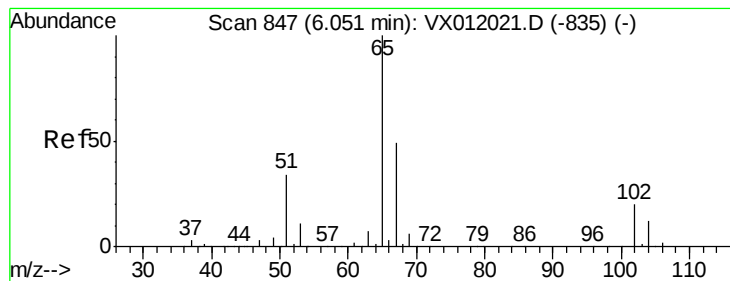
Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tgt Ion:	97	Resp:	44284
Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.1	78.1
61	46.4	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 49.407 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion: 65 Resp: 82752

Ion Ratio Lower Upper

65 100

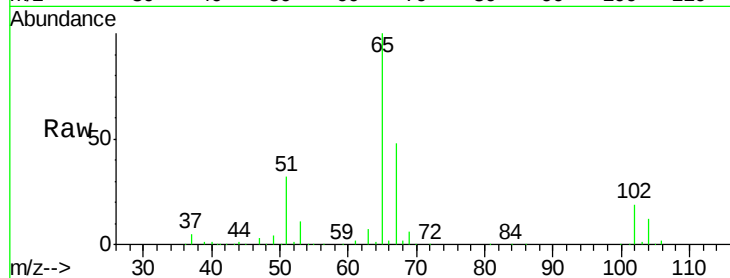
67 49.9 0.0 102.0

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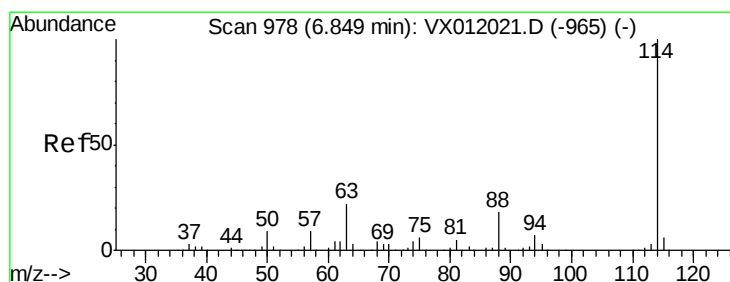
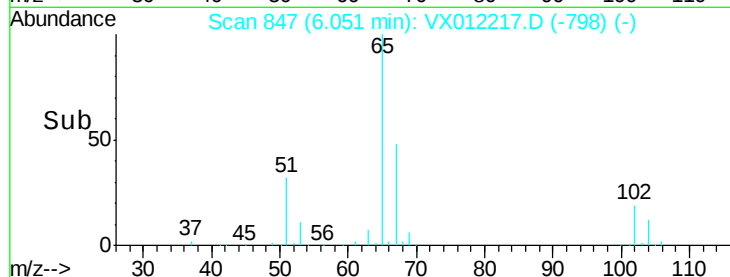
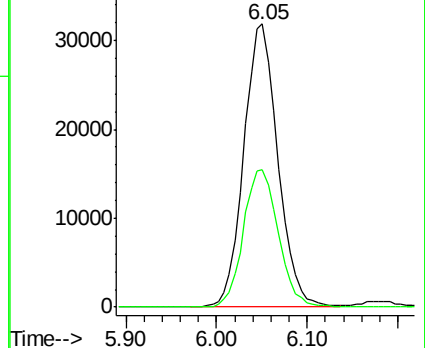
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

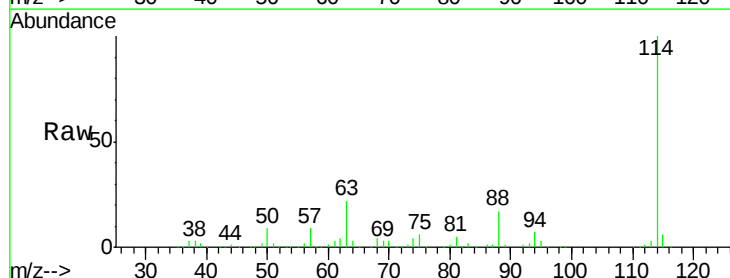
Tgt Ion: 114 Resp: 220947

Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.4

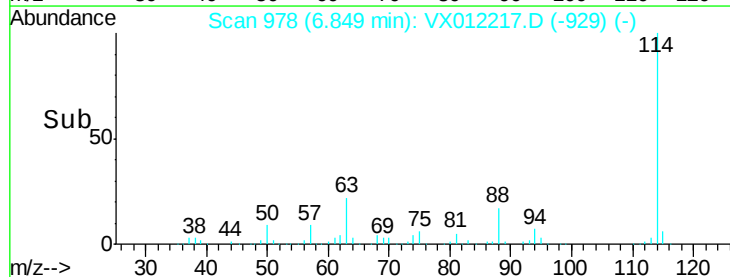
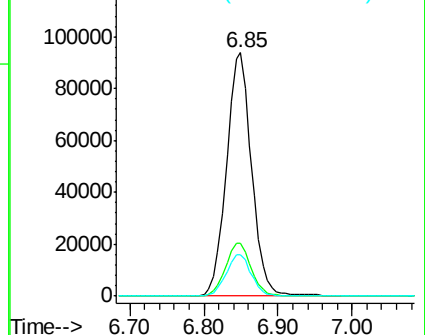
88 16.8 0.0 29.6

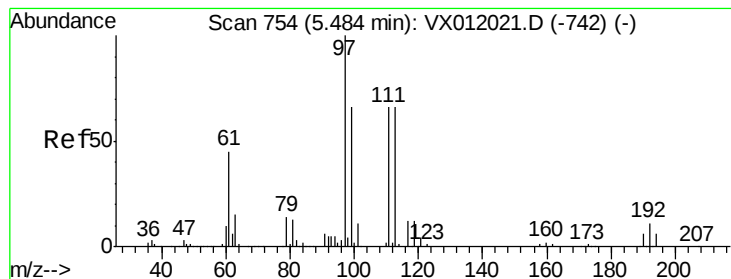


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.348 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

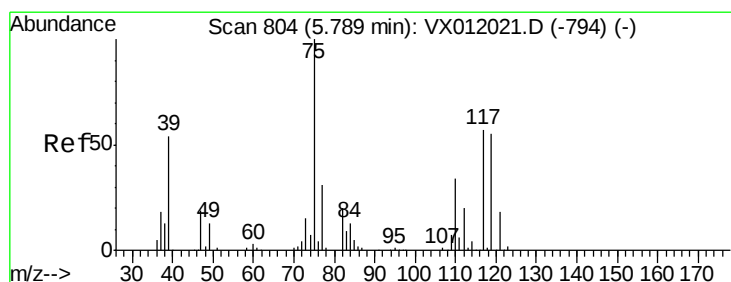
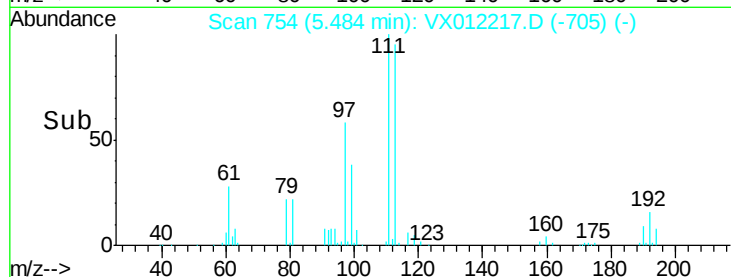
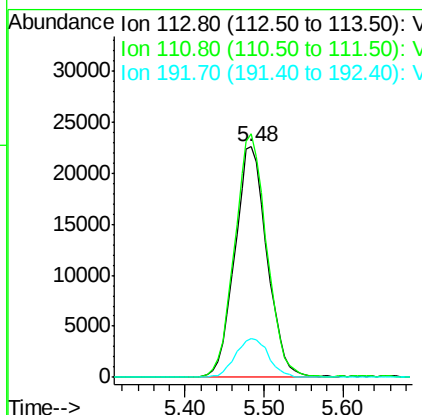
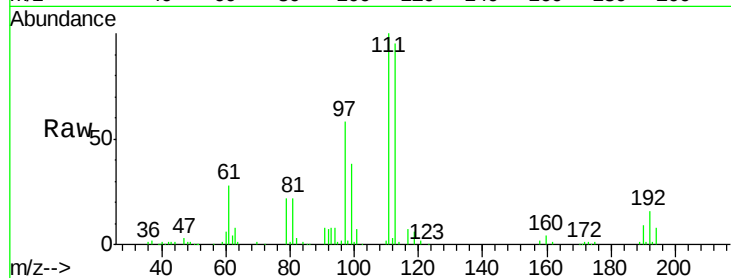
ClientSampleId :

VX0908SBS02

Tot Ion:	113	Resp:	64335
Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.7	122.5
192	17.3	22.5	33.7#

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#36

1,1-Dichloropropene

Concen: 16.863 ug/l

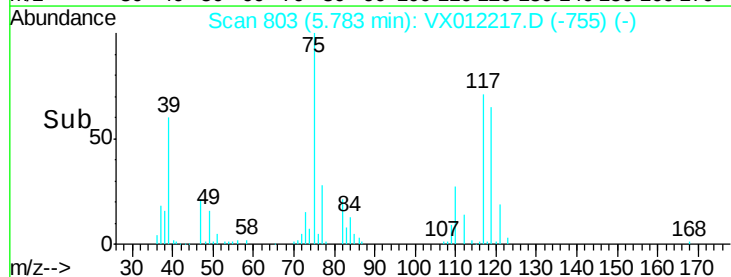
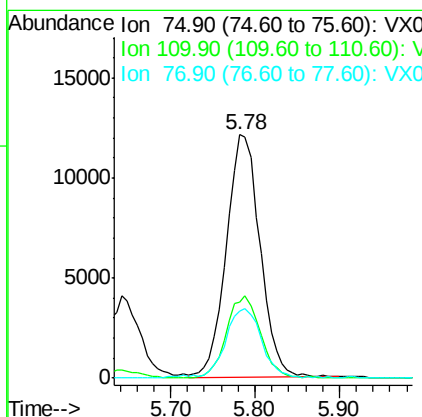
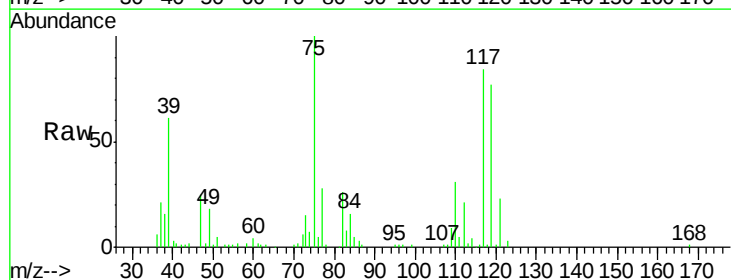
RT: 5.78 min Scan# 803

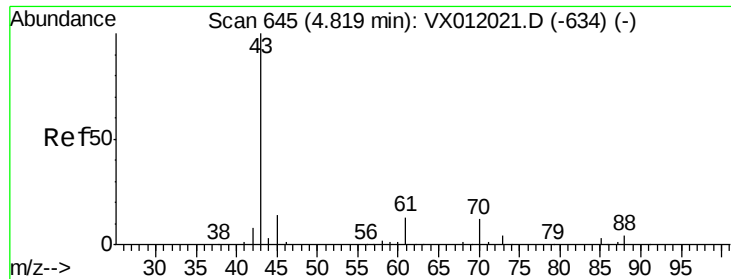
Delta R.T. -0.01 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tgt Ion:	75	Resp:	32816
Ion	Ratio	Lower	Upper
75	100		
110	34.0	19.5	58.5
77	30.3	24.6	37.0





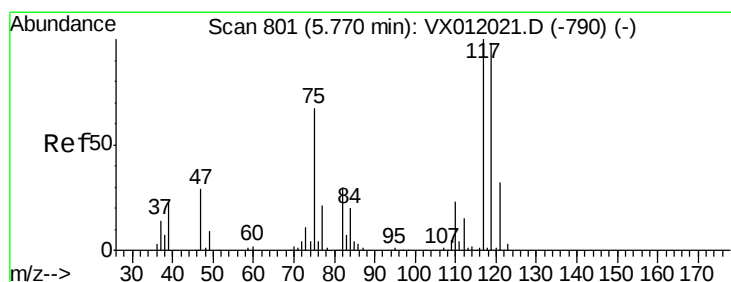
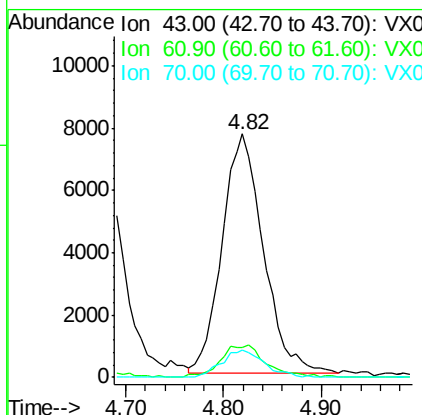
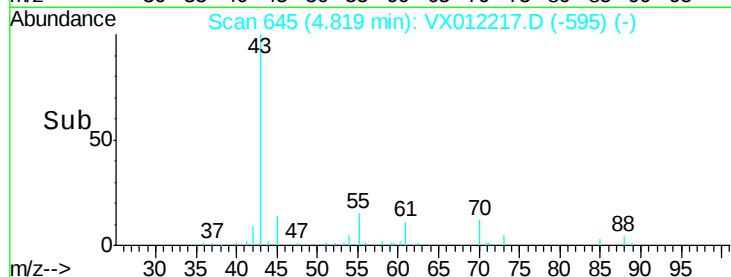
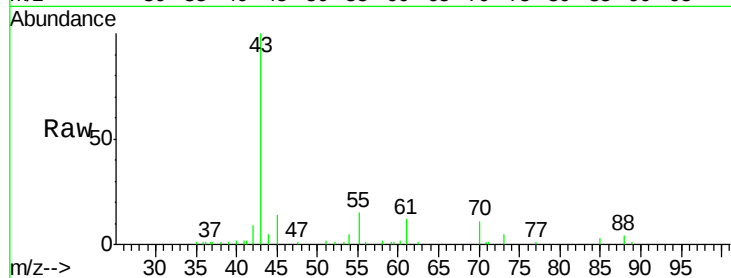
#37
Ethyl Acetate
Concen: 21.246 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampled :
VX0908SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	11.7	9.4	14.0

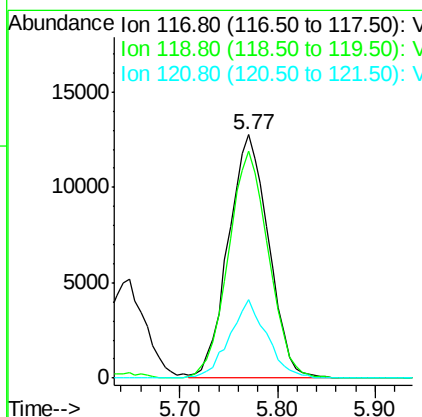
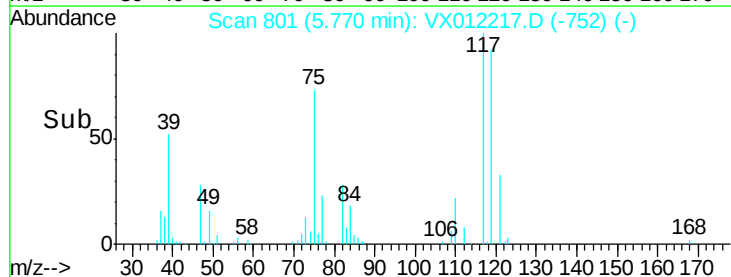
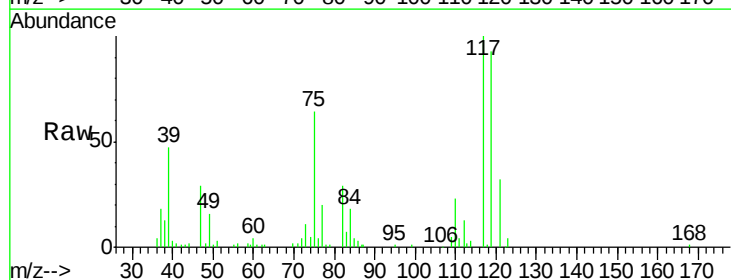
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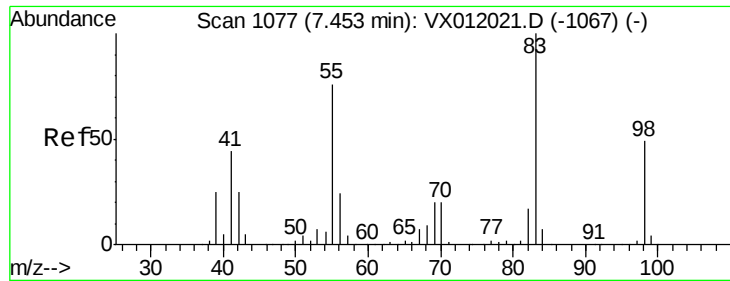
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#38
Carbon Tetrachloride
Concen: 17.811 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.3	117.5
121	32.4	24.2	36.2





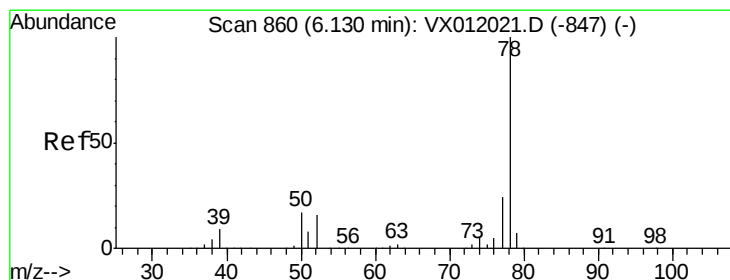
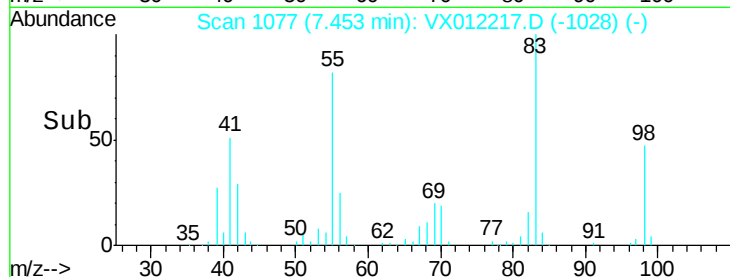
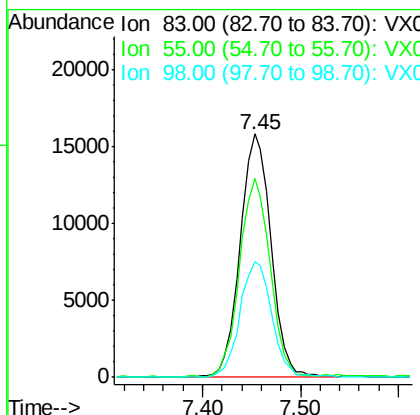
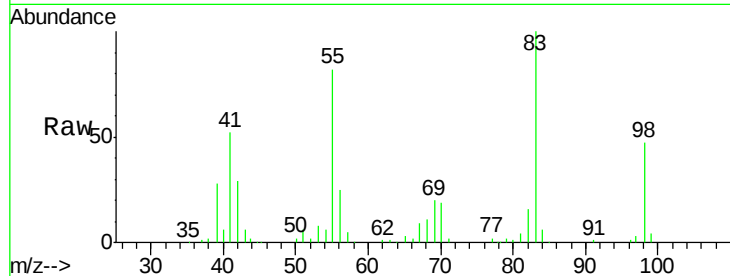
#39
Methvlcvclohexane
Concen: 15.364 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.3	59.6	89.4
98	47.4	41.4	62.0

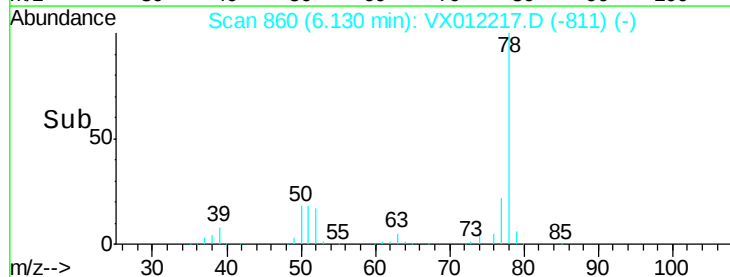
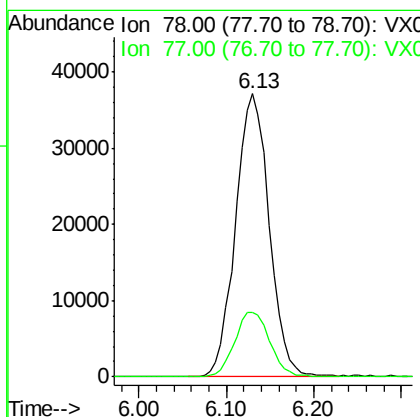
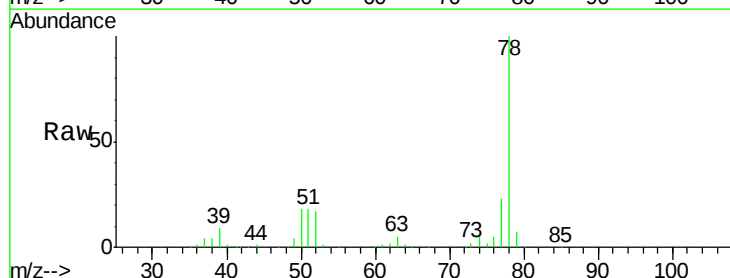
Manual Integrations
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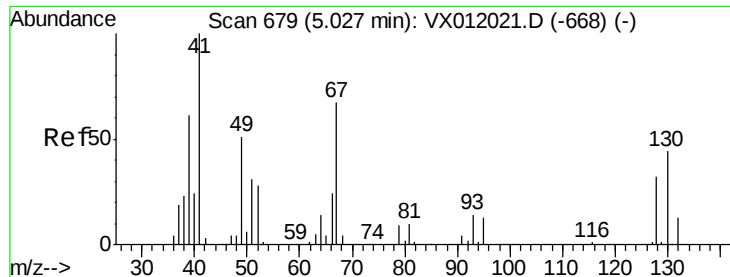
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#40
Benzene
Concen: 17.761 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.3	28.9





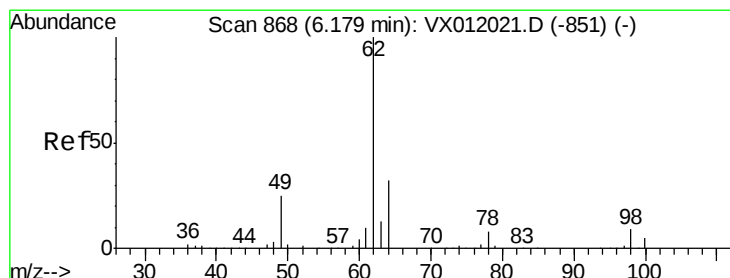
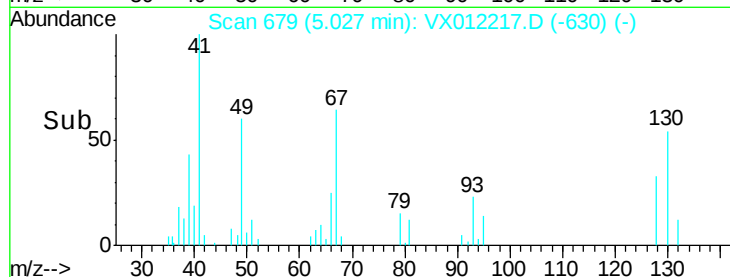
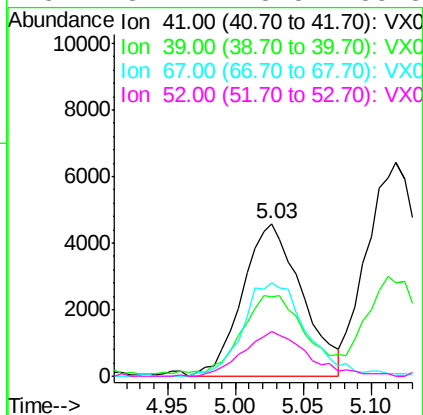
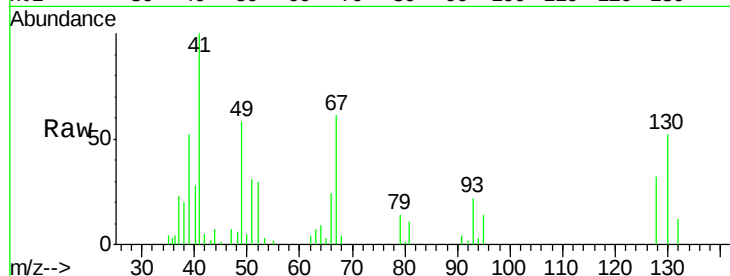
#41
Methacrylonitrile
Concen: 22.212 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion:	41	Resp:	14017
Ion	Ratio	Lower	Upper
41	100		
39	53.5	46.7	70.1
67	66.0	57.0	85.6
52	31.7	23.5	35.3

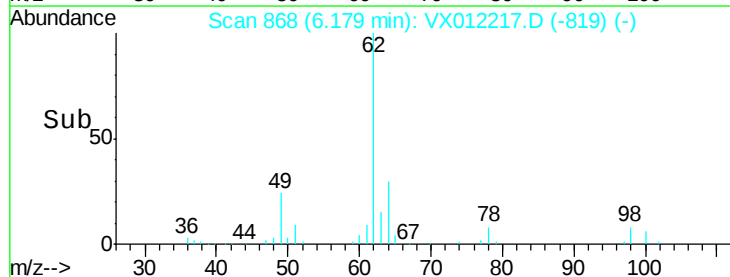
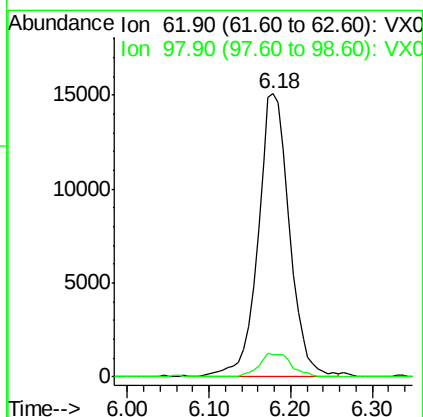
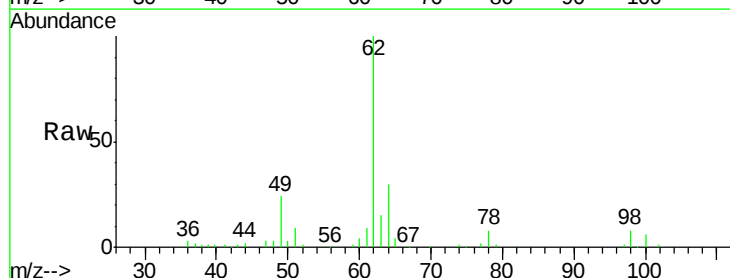
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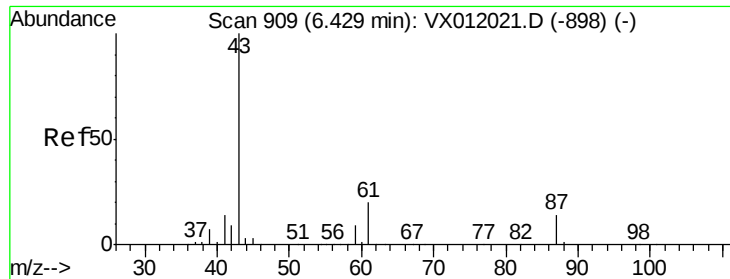
MMDadoda
9/9/2019 8:43:09 AM



#42
1,2-Dichloroethane
Concen: 20.173 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion:	62	Resp:	40556
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	19.2





#43

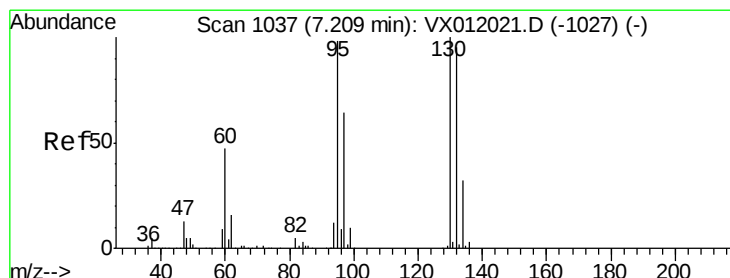
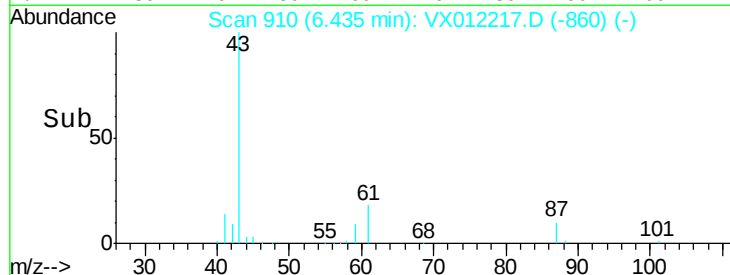
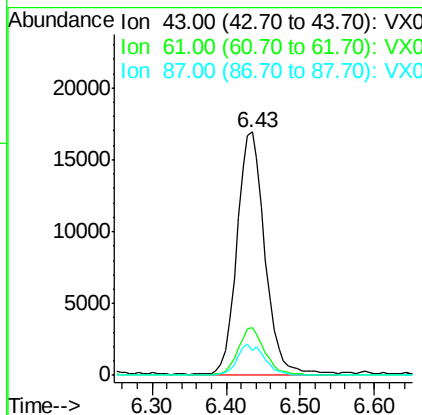
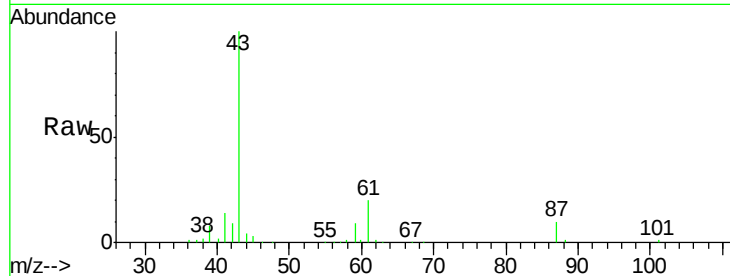
Isopropyl Acetate
 Concen: 20.911 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Tot Ion	43	61	87
Resp	44993		
Ratio	100	18.8	12.3
Lower		16.1	11.3
Upper		24.1	16.9

Manual Integrations
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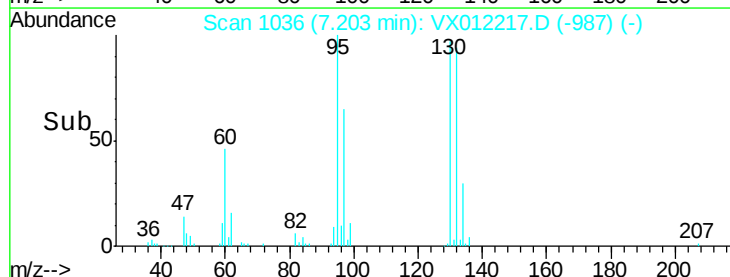
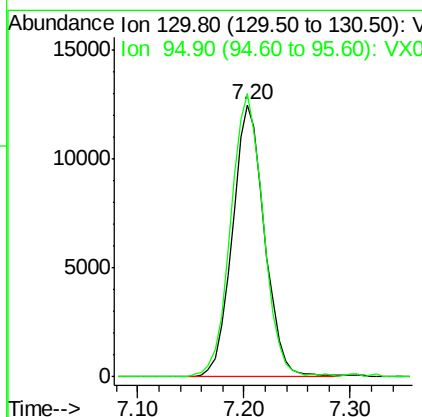
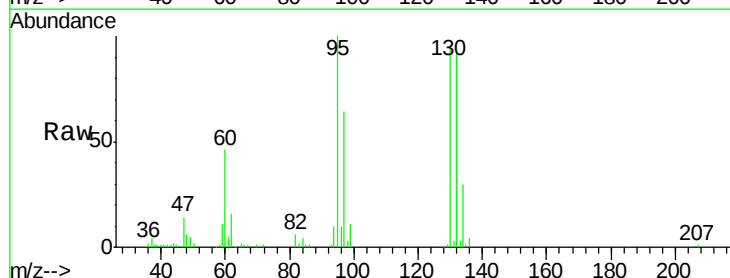
MMDadoda
 9/9/2019 8:43:09 AM

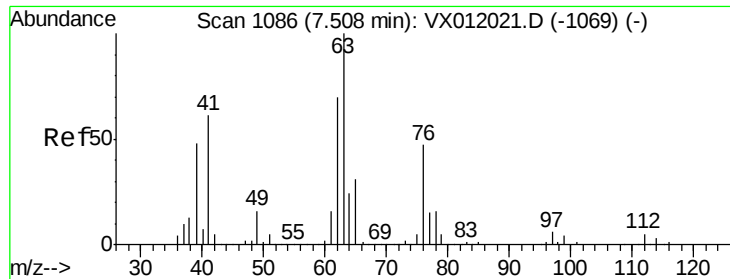


#44

Trichloroethene
 Concen: 17.520 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Tgt Ion	130	95
Resp	26399	
Ratio	100	103.9
Lower		0.0
Upper		176.4





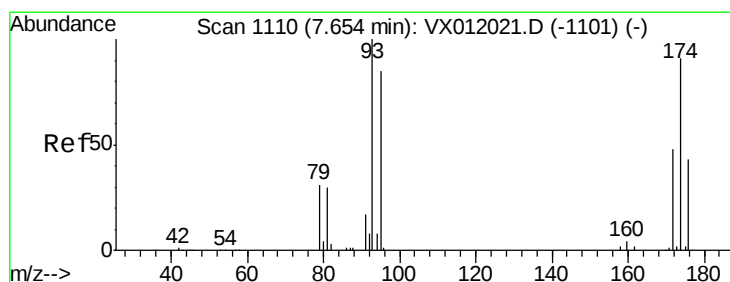
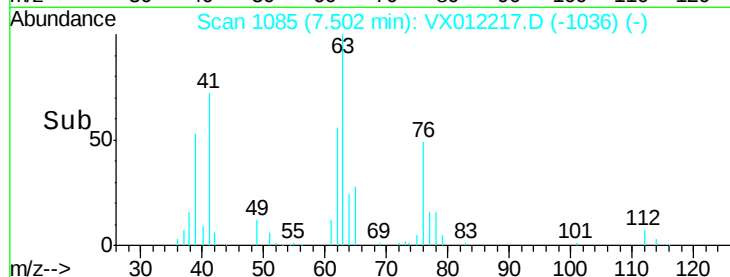
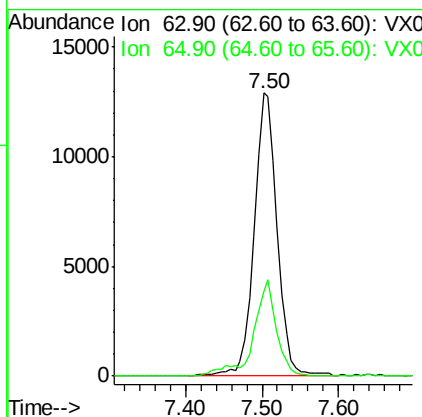
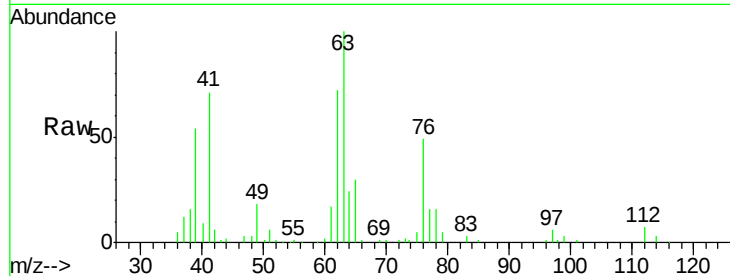
#45
 1,2-Dichloropropane
 Concen: 18.770 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Tot Ion: 63 Resp: 27092
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.6

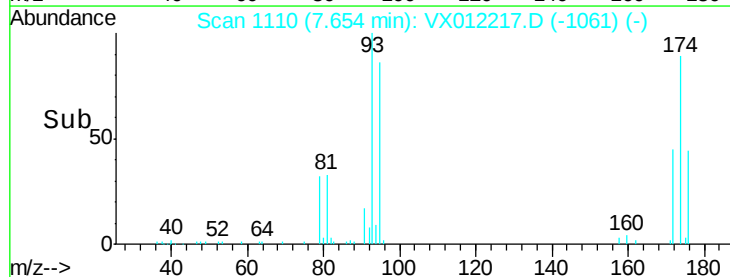
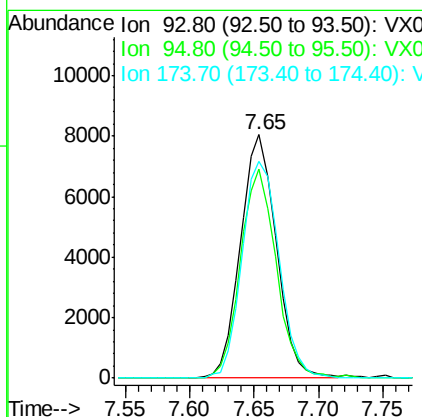
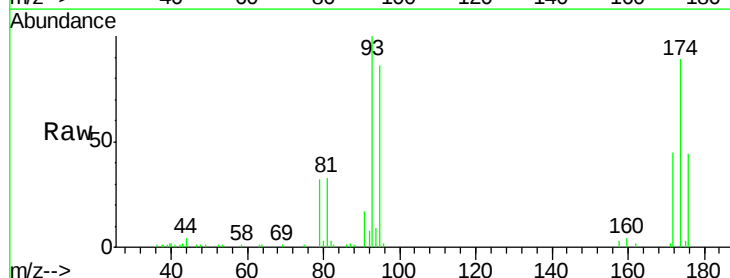
Manual Integrations
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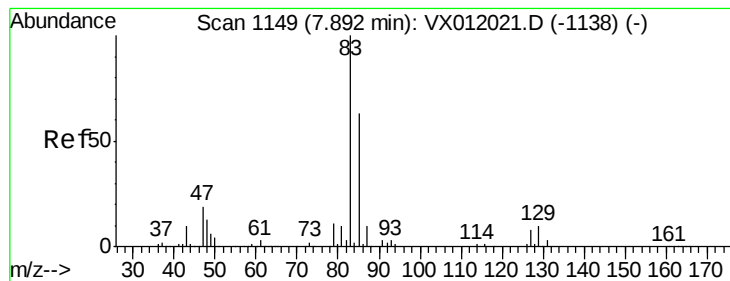
MMDadoda
 9/9/2019 8:43:09 AM



#46
 Dibromomethane
 Concen: 18.424 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Tgt Ion: 93 Resp: 15524
 Ion Ratio Lower Upper
 93 100
 95 85.8 66.2 99.2
 174 91.7 110.2 165.4#





#47

Bromodichloromethane

Concen: 18.495 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

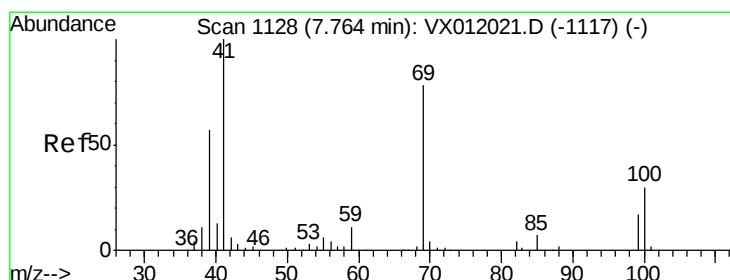
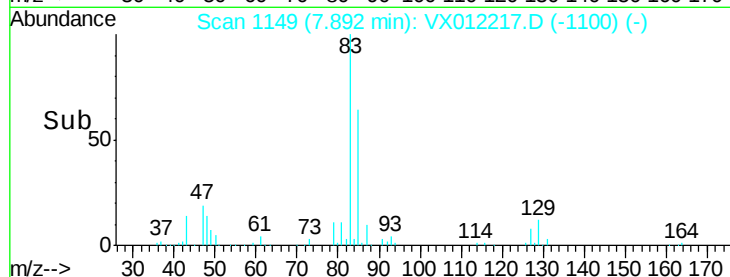
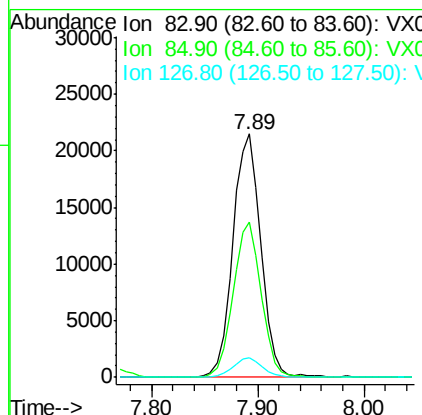
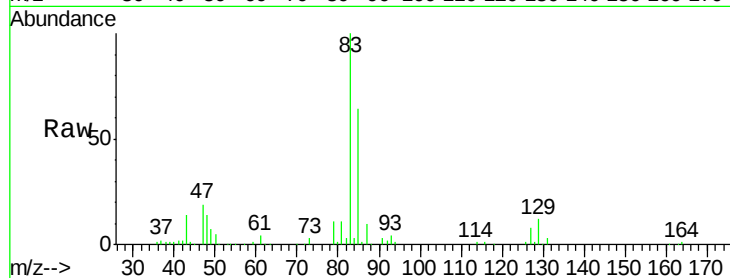
ClientSampleId :

VX0908SBS02

Tot Ion:	83	Resp:	39611
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.3	75.5
127	8.0	8.1	12.1#

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9/9/2019 8:43:09 AM



#48

Methyl methacrylate

Concen: 20.009 ug/l

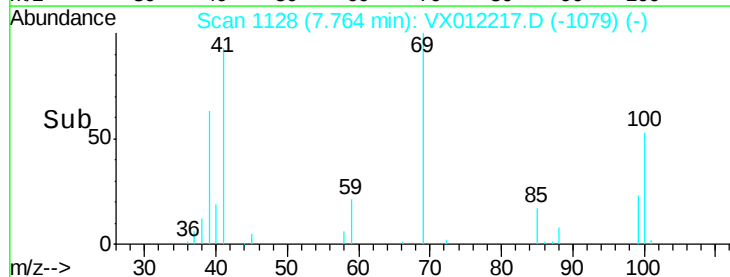
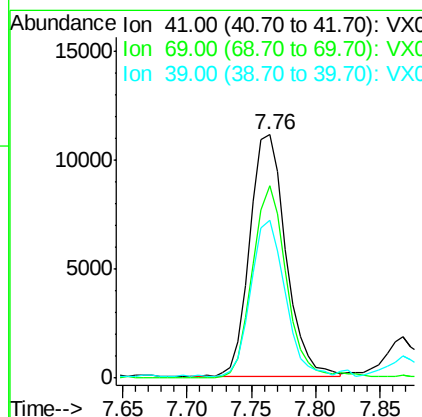
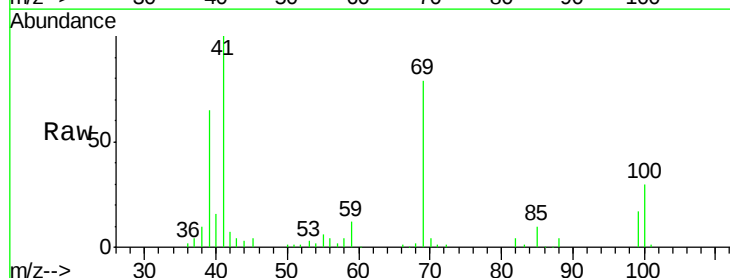
RT: 7.76 min Scan# 1128

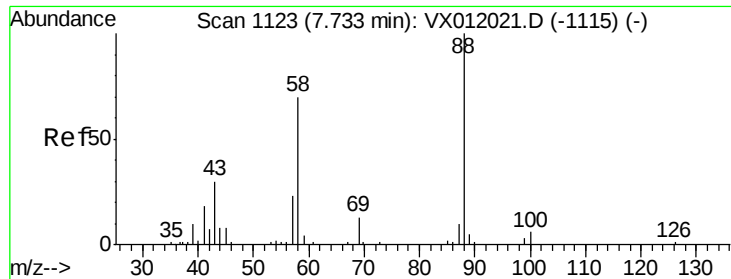
Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tgt Ion:	41	Resp:	21647
Ion Ratio	Lower	Upper	
41	100		
69	73.7	66.3	99.5
39	60.8	48.1	72.1





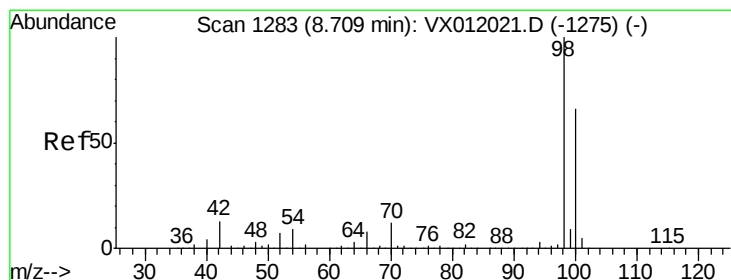
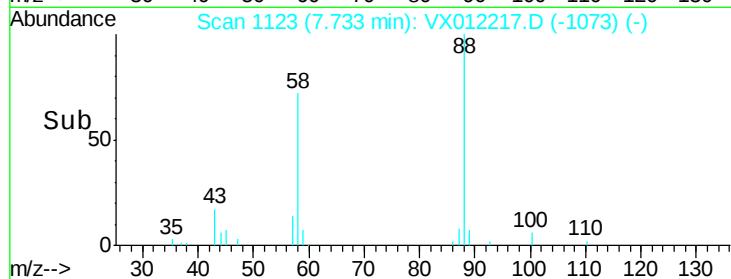
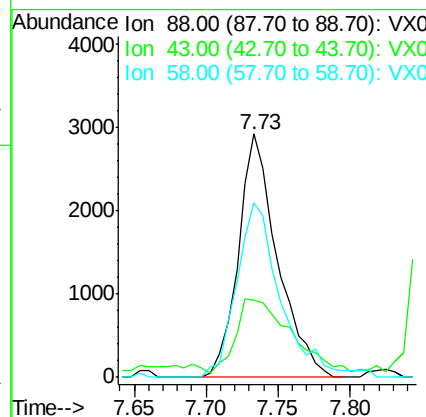
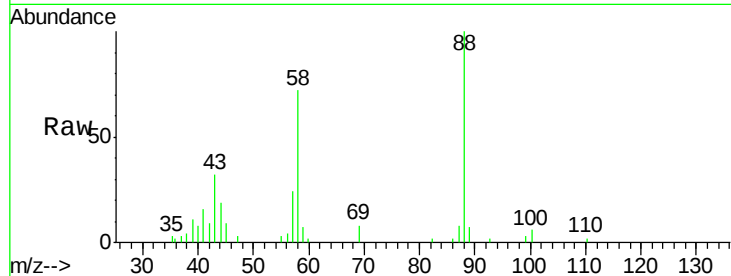
#49
1,4-Dioxane
Concen: 373.734 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	5512		
43	42.1		29.8	44.6
58	79.7		55.4	83.2

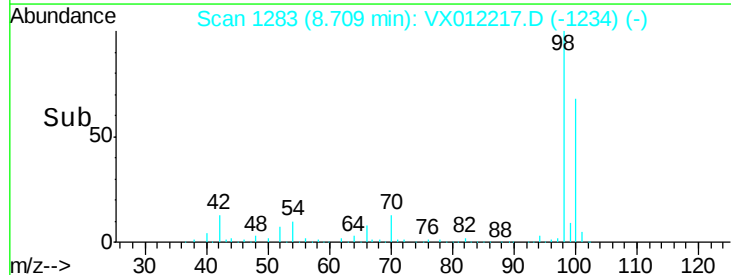
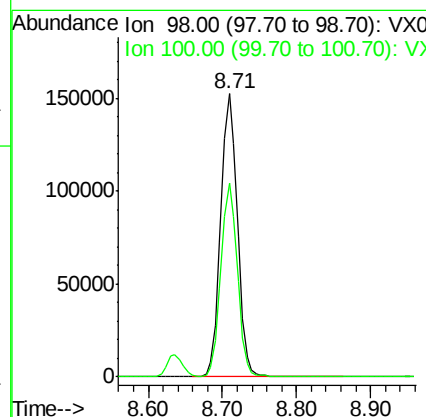
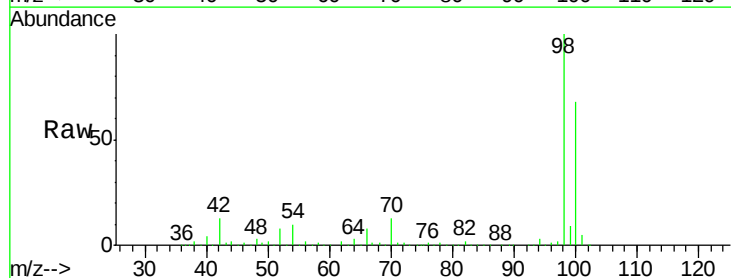
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#50
Toluene-d8
Concen: 47.438 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	236529		
100	67.1		53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 105.448 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion: 43 Resp: 115406

Ion Ratio Lower Upper

43 100

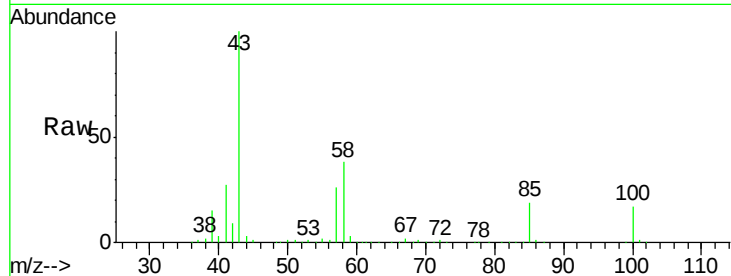
58 37.7 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

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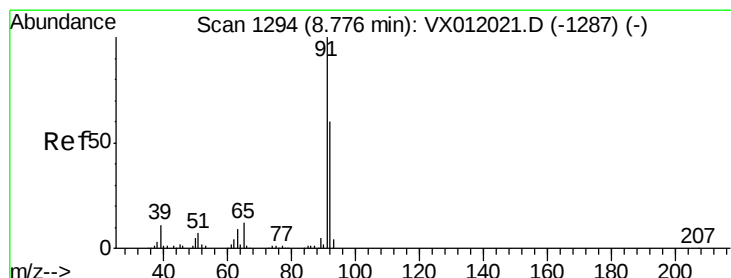
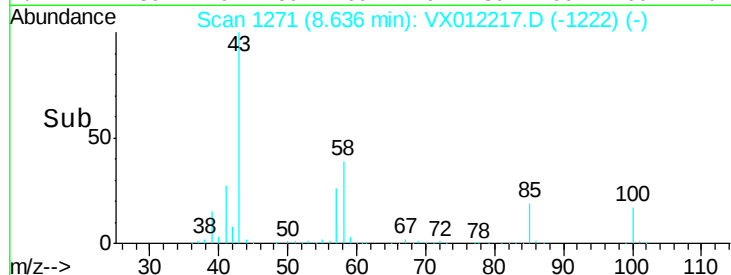
8.64

8.64

8.64

8.64

8.64



#52

Toluene

Concen: 18.087 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012217.D

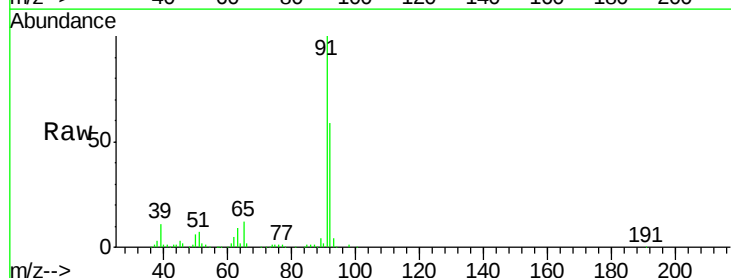
Acq: 08 Sep 2019 12:28

Tgt Ion: 92 Resp: 65745

Ion Ratio Lower Upper

92 100

91 166.7 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

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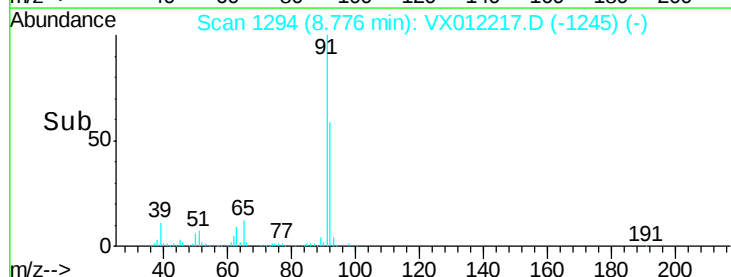
8.78

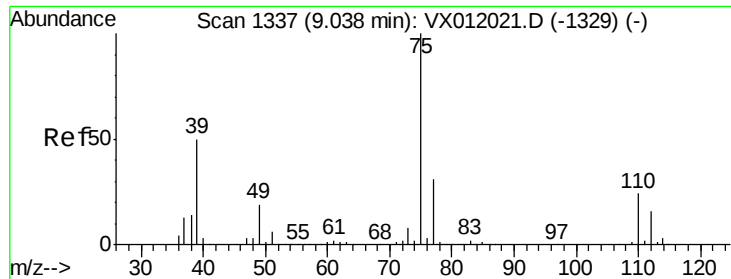
8.78

8.78

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8.78





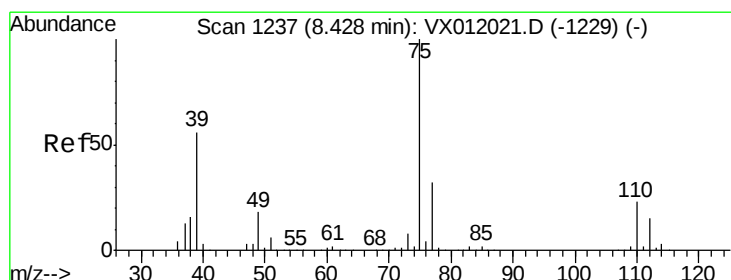
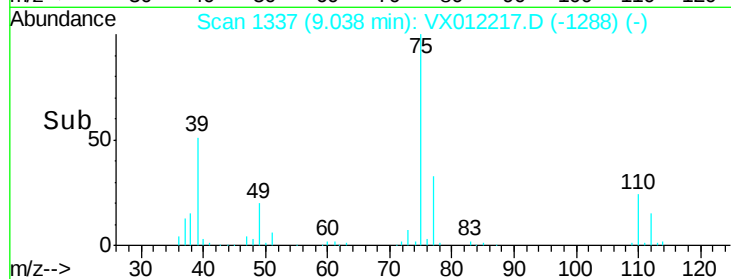
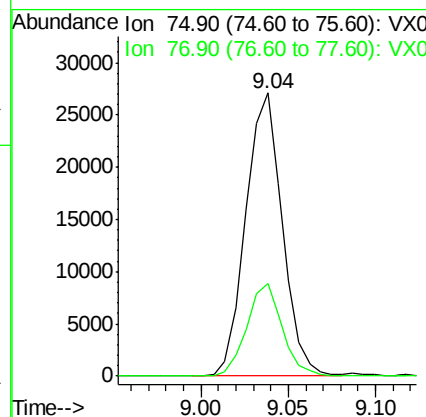
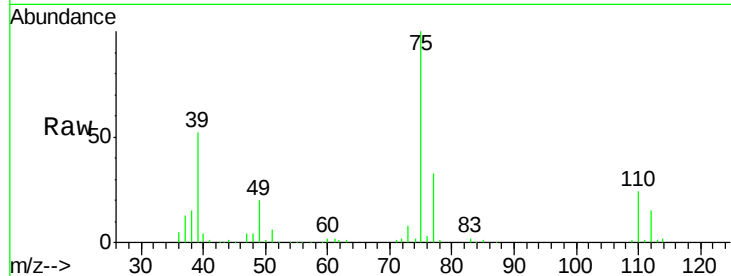
#53
t-1,3-Dichloropropene
Concen: 17.898 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion: 75 Resp: 39685
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7

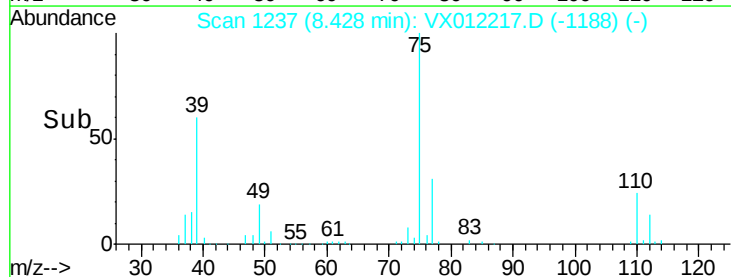
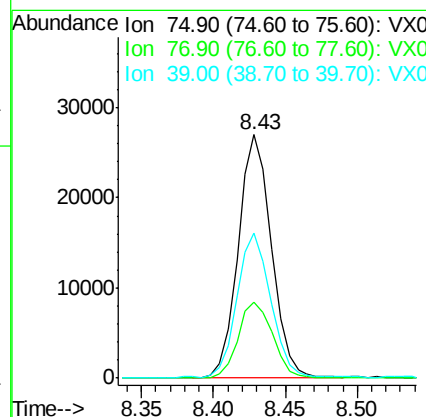
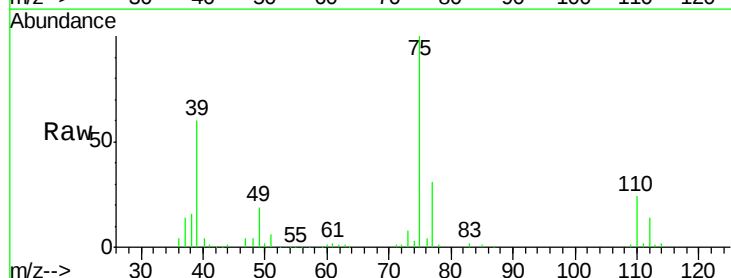
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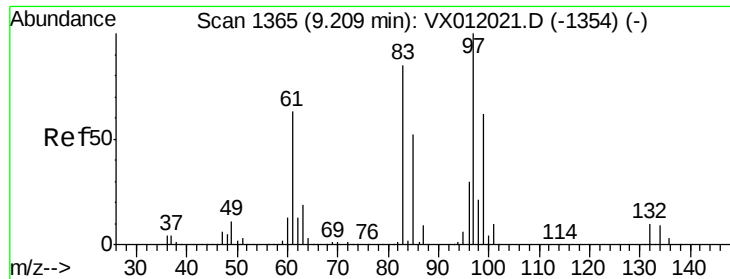
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#54
cis-1,3-Dichloropropene
Concen: 17.651 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion: 75 Resp: 43523
Ion Ratio Lower Upper
75 100
77 31.3 25.5 38.3
39 59.3 43.0 64.4





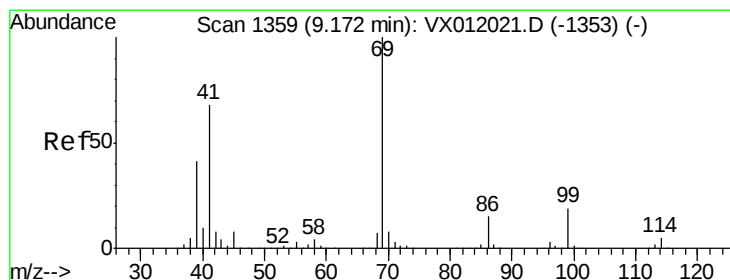
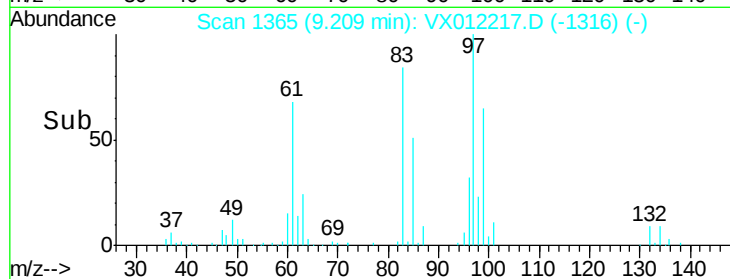
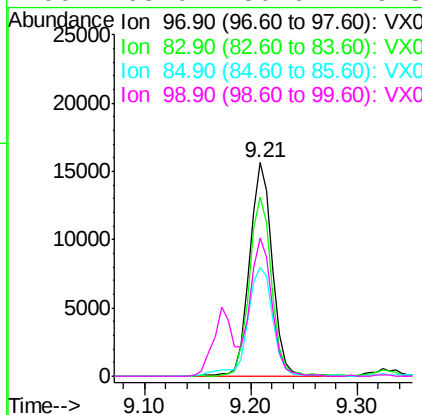
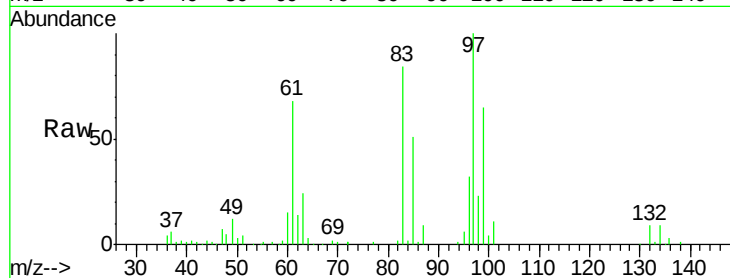
#55
 1,1,2-Trichloroethane
 Concen: 19.463 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Tot Ion	97	Resp	23445
Ion	Ratio	Lower	Upper
97	100		
83	84.2	66.0	99.0
85	50.8	41.0	61.6
99	65.0	50.6	75.8

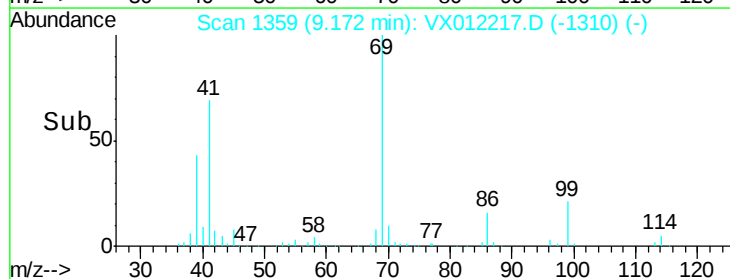
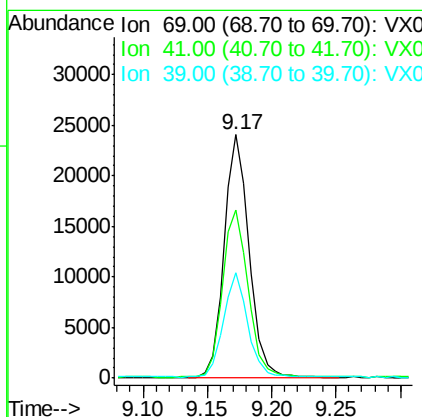
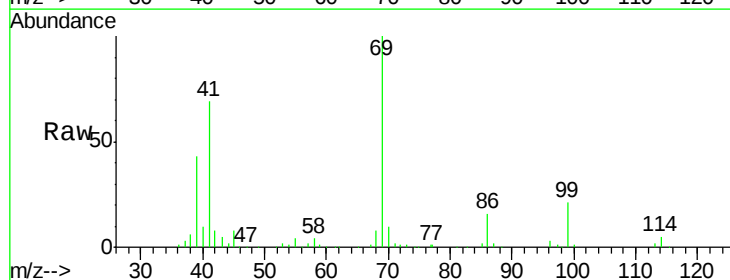
Manual Integrations
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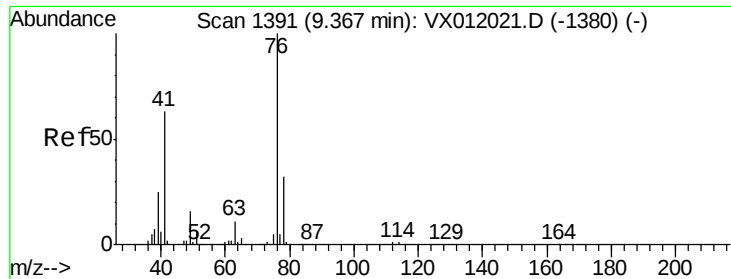
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 9/9/2019 8:43:09 AM



#56
 Ethyl methacrylate
 Concen: 19.221 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Tgt Ion	69	Resp	33165
Ion	Ratio	Lower	Upper
69	100		
41	72.4	53.9	80.9
39	42.7	31.1	46.7





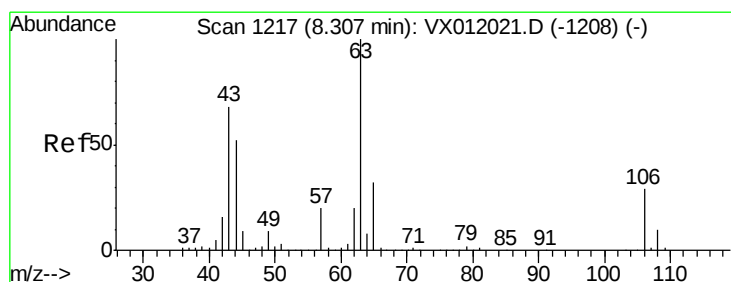
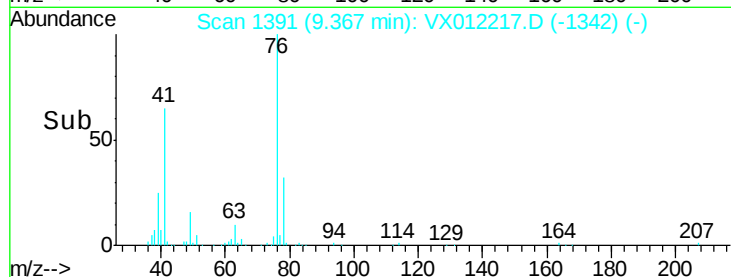
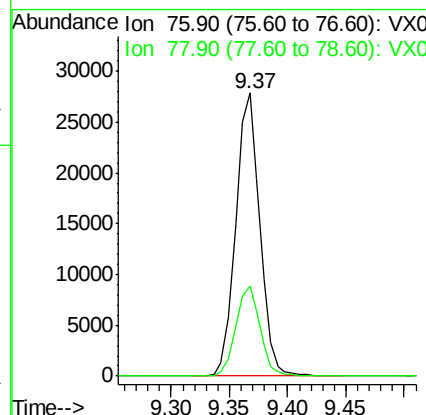
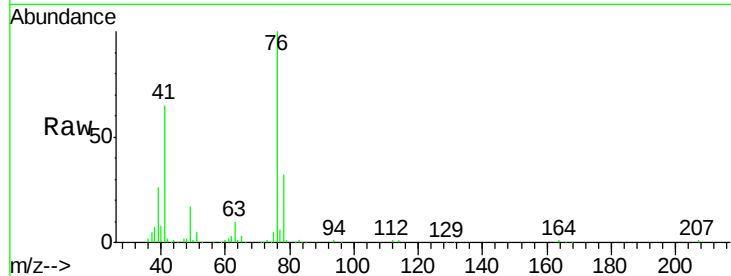
#57
 1,3-Dichloropropane
 Concen: 19.331 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

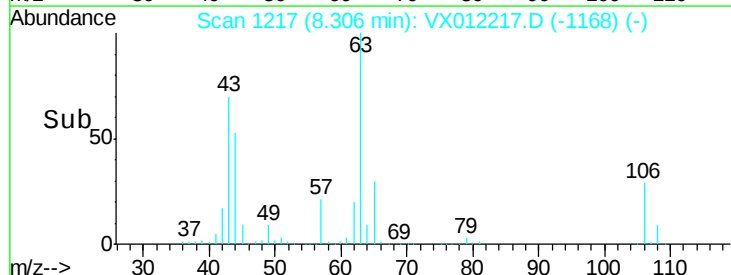
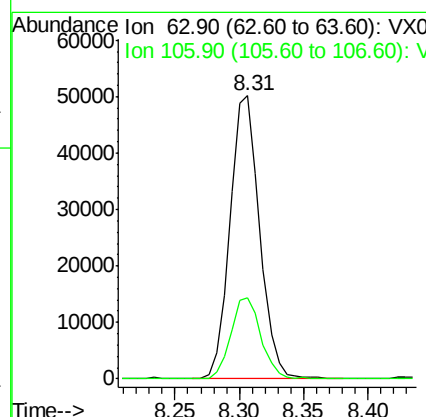
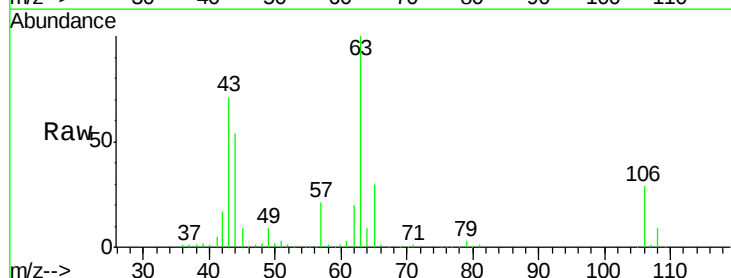
Manual Integrations
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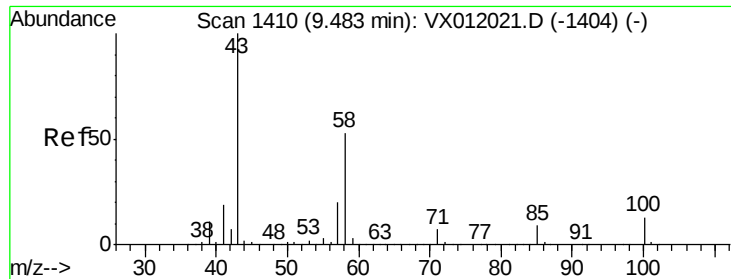
MMDadoda
 9/9/2019 8:43:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.179 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	26.5	39.7





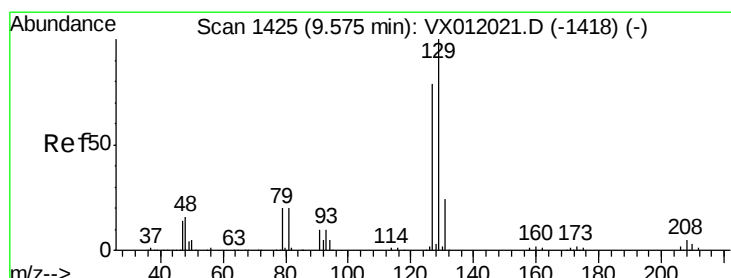
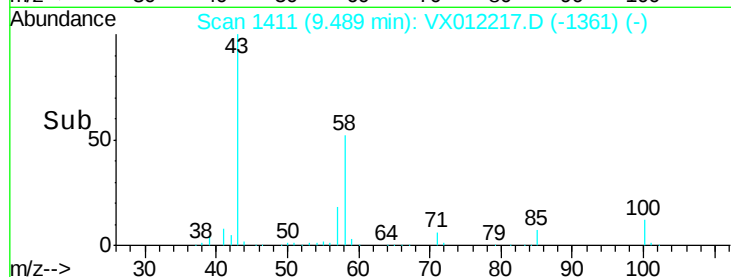
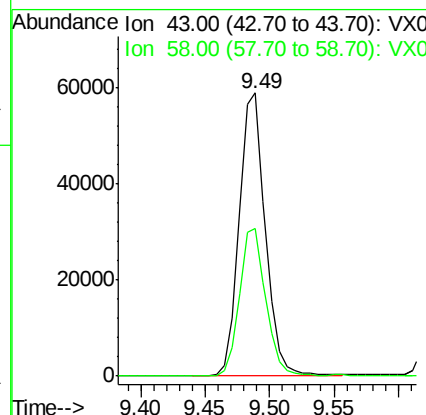
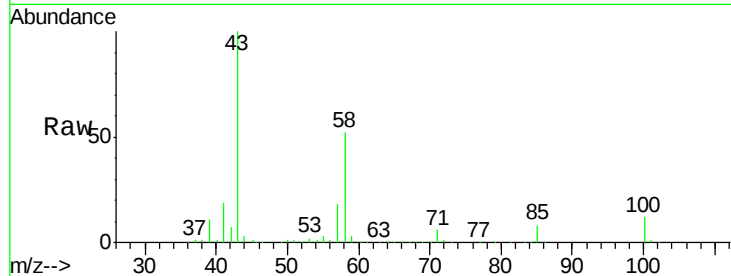
#59
2-Hexanone
Concen: 104.100 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion: 43 Resp: 83132
Ion Ratio Lower Upper
43 100
58 52.5 27.2 81.6

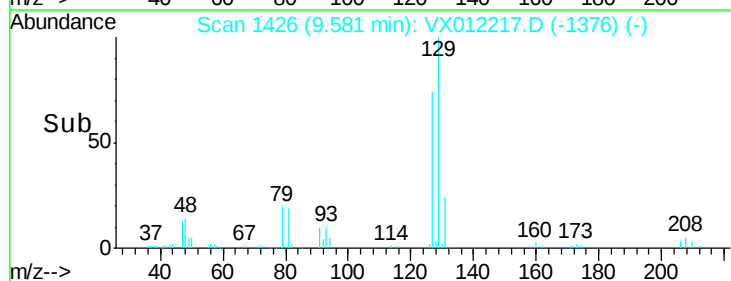
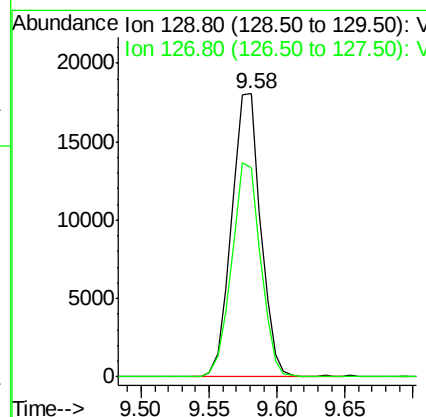
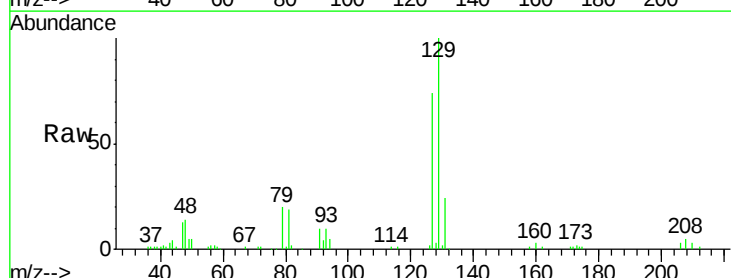
Manual Integrations
APPROVED

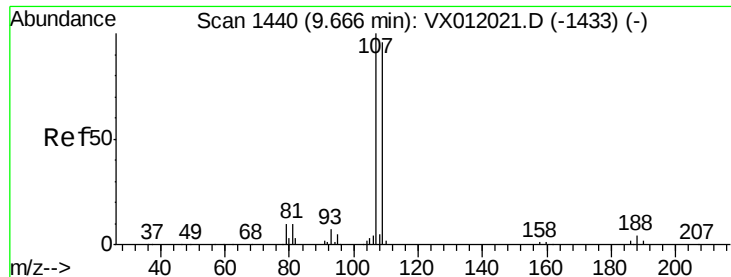
MMDadoda
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#60
Dibromochloromethane
Concen: 18.703 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion: 129 Resp: 26851
Ion Ratio Lower Upper
129 100
127 75.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.333 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion:107 Resp: 22504

Ion Ratio Lower Upper

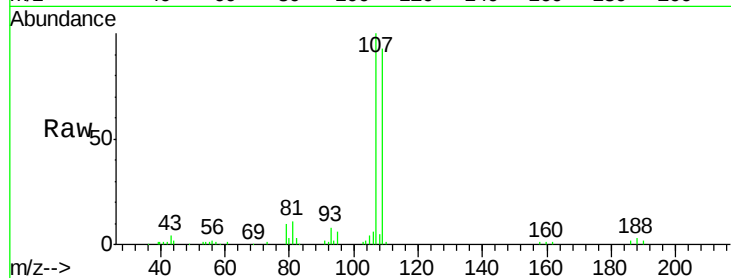
107 100

109 93.4 76.9 115.3

Manual Integrations
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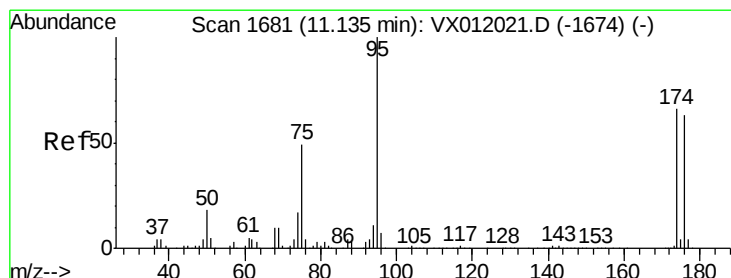
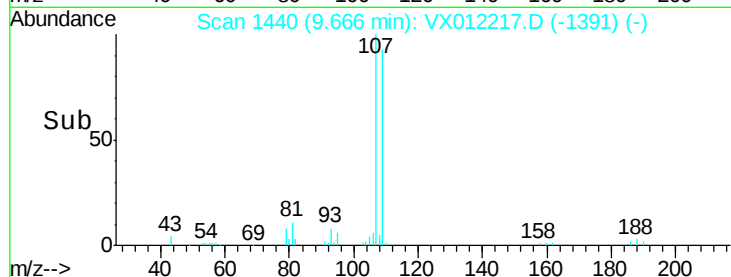
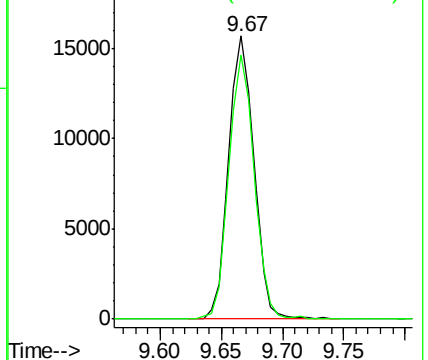
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.433 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

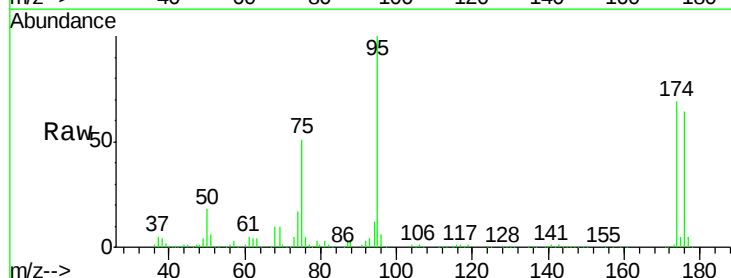
Tgt Ion: 95 Resp: 105350

Ion Ratio Lower Upper

95 100

174 64.0 0.0 205.4

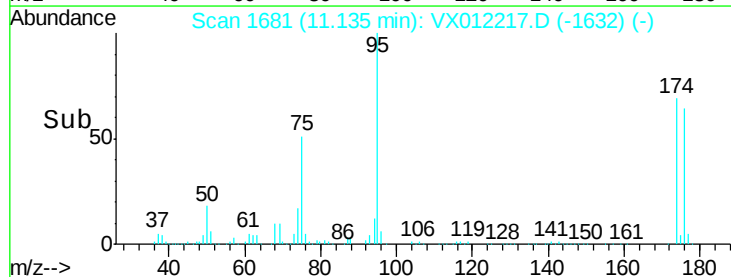
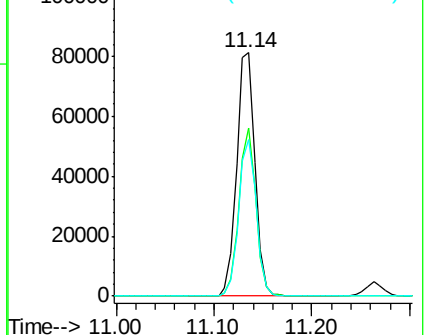
176 61.8 0.0 201.8

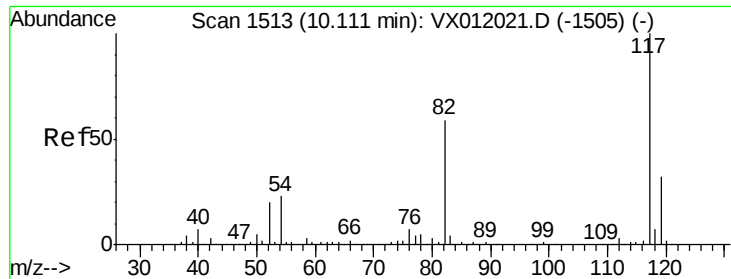


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





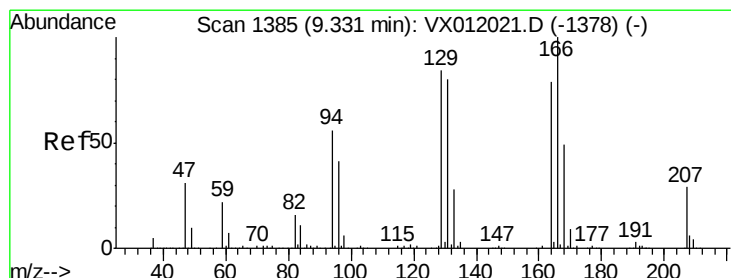
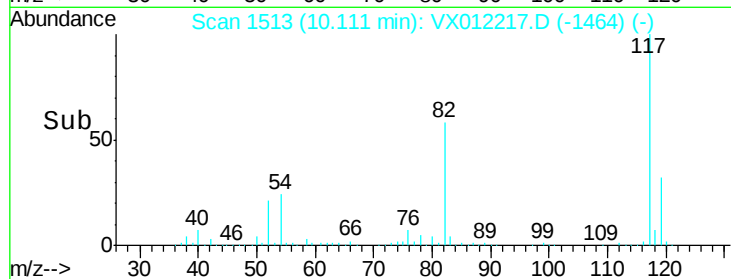
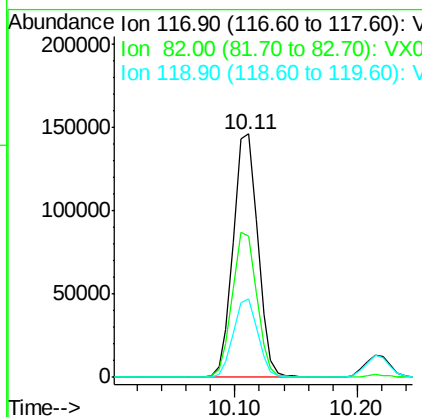
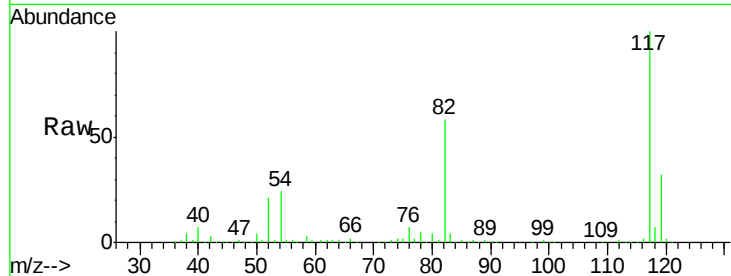
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	39.4	59.0
119	32.4	26.1	39.1

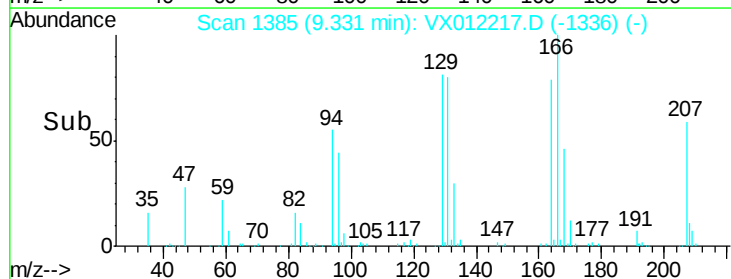
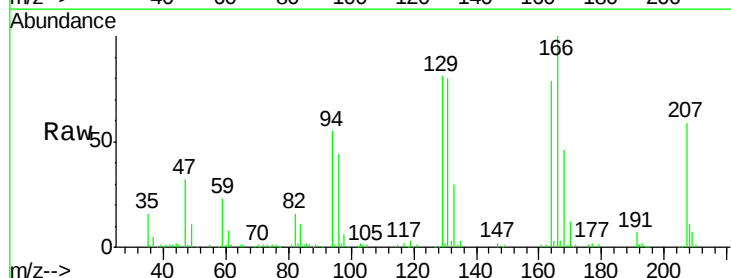
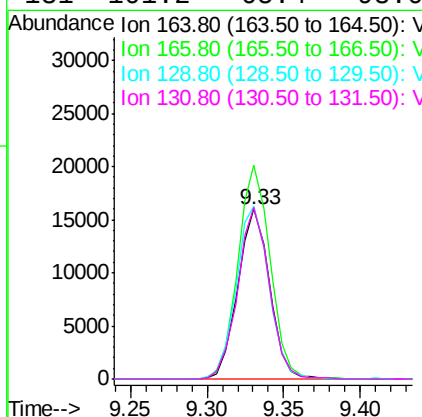
Manual Integrations
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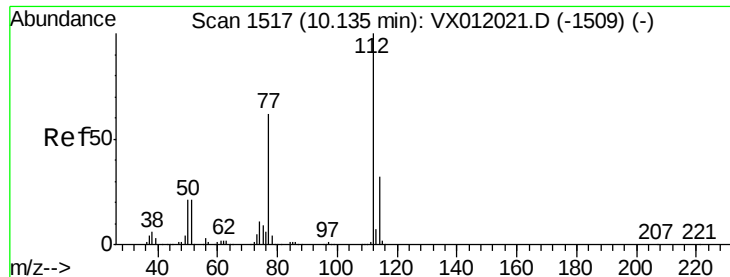
MMDadoda
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#64
Tetrachloroethene
Concen: 18.160 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	104.3	156.5
129	101.8	68.3	102.5
131	101.2	65.4	98.0





#65

Chlorobenzene

Concen: 18.077 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion:112 Resp: 72434

Ion Ratio Lower Upper

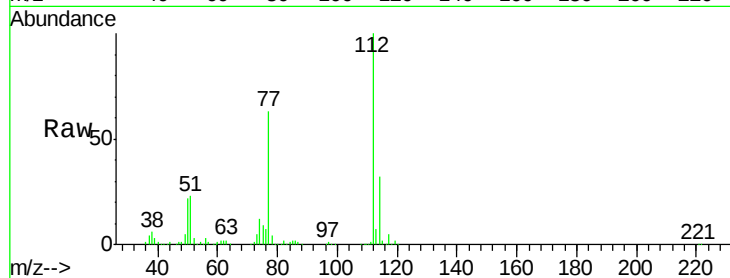
112 100

114 32.4 26.2 39.2

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

60000

50000

40000

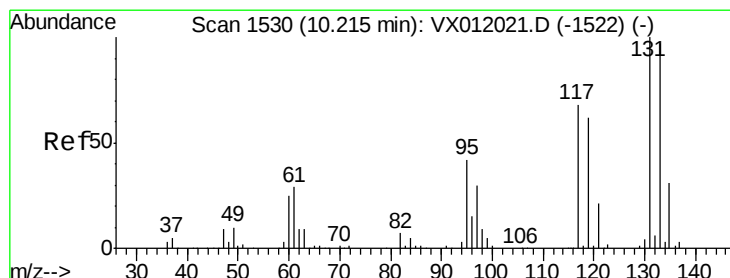
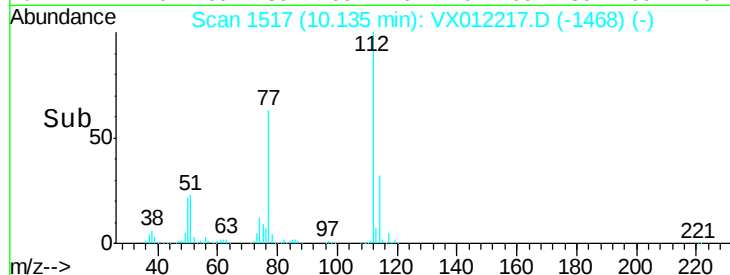
30000

20000

10000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.197 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

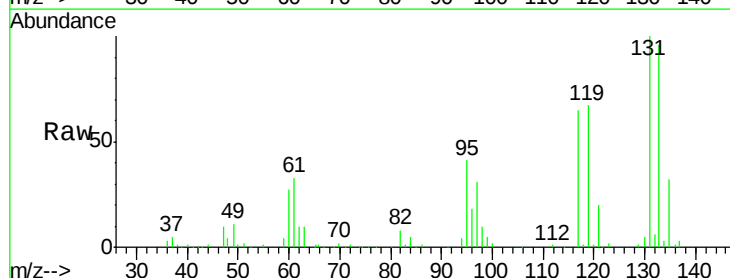
Tgt Ion:131 Resp: 28126

Ion Ratio Lower Upper

131 100

133 92.6 48.4 145.0

119 64.1 30.5 91.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

25000

20000

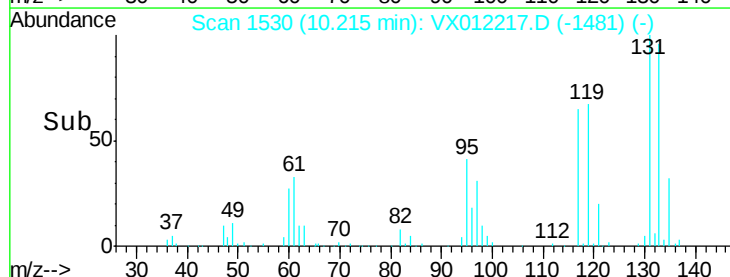
15000

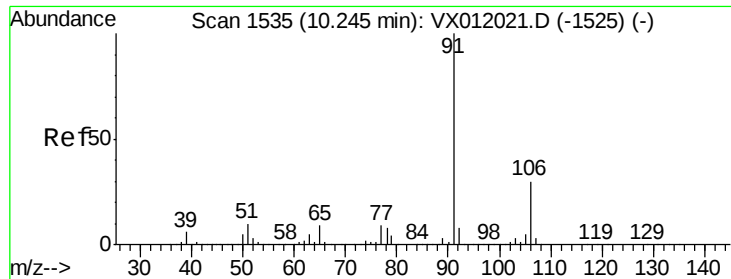
10000

5000

0

Time-->





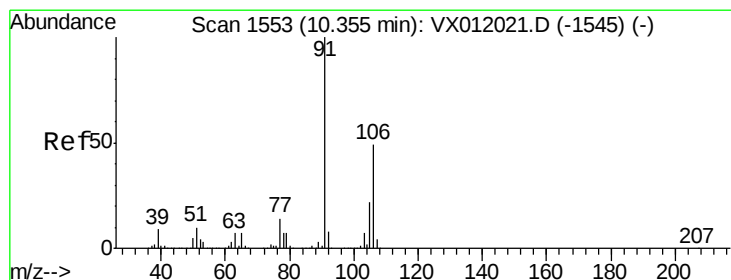
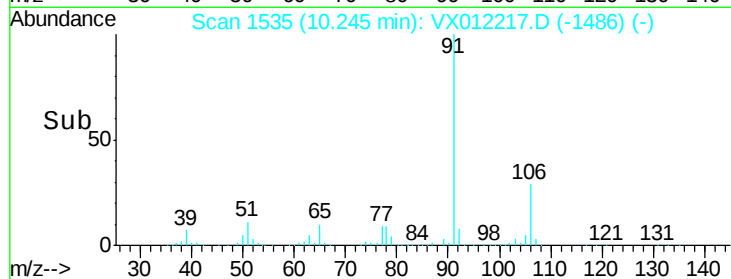
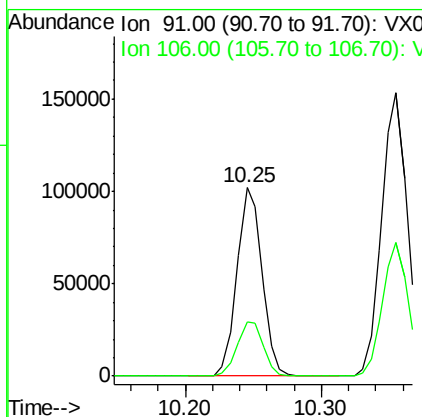
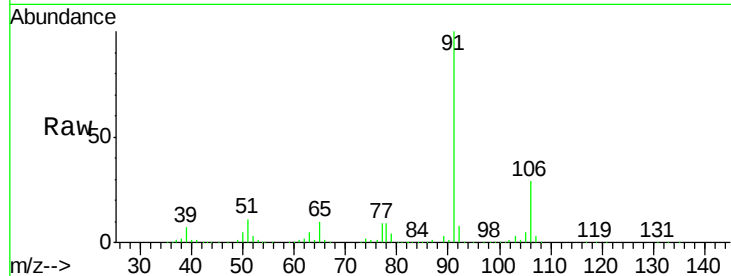
#67
Ethyl Benzene
Concen: 17.983 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion: 91 Resp: 131345
Ion Ratio Lower Upper
91 100
106 29.0 25.8 38.8

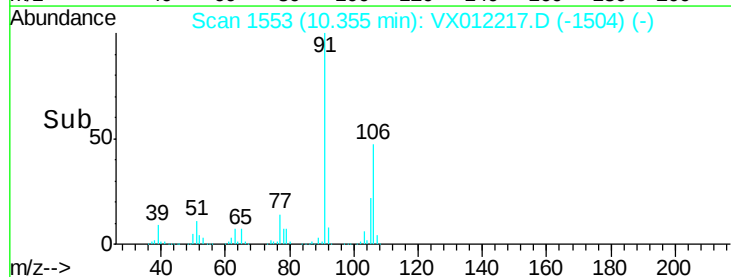
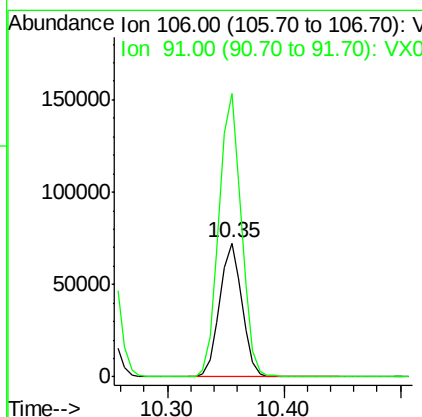
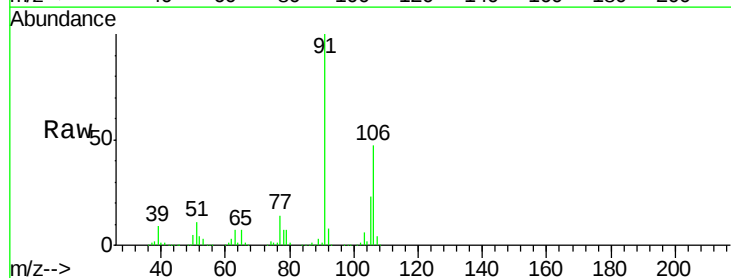
Manual Integrations
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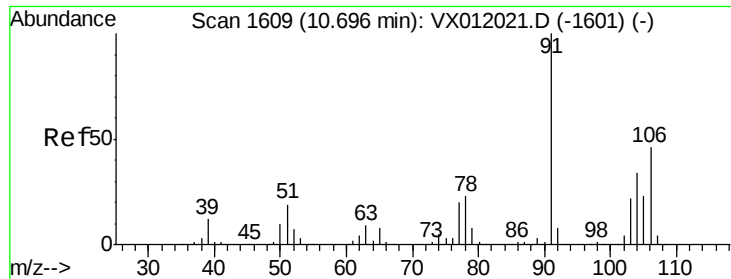
MMDadoda
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#68
m/p-Xylenes
Concen: 35.614 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion:106 Resp: 95838
Ion Ratio Lower Upper
106 100
91 212.0 157.5 236.3





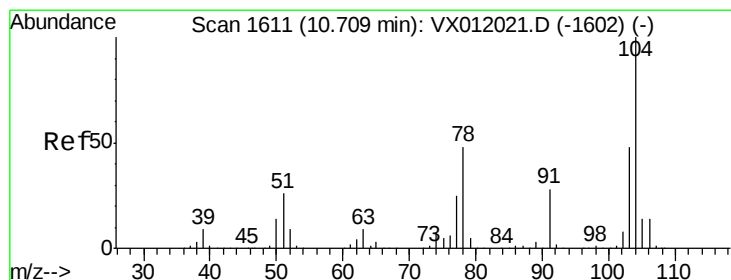
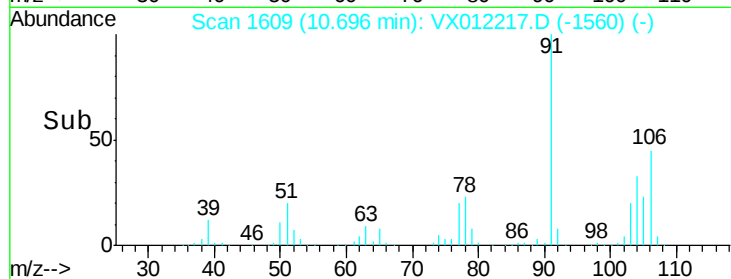
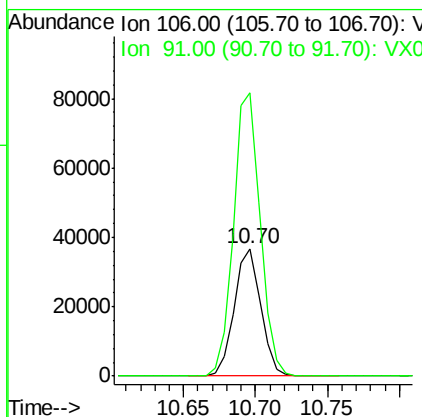
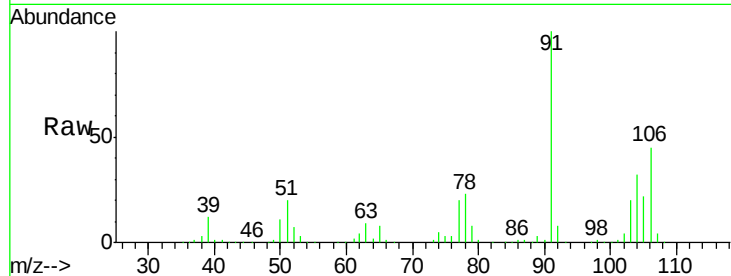
#69
o-Xylene
Concen: 18.164 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion:106 Resp: 47398
Ion Ratio Lower Upper
106 100
91 224.2 103.5 310.3

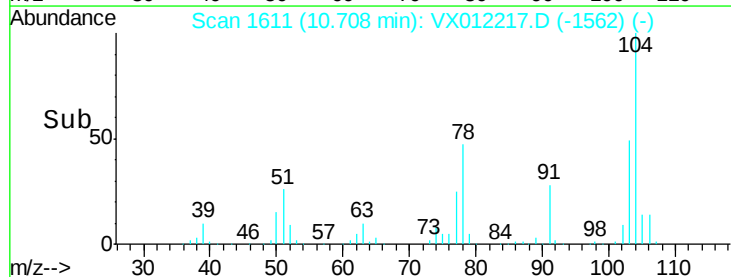
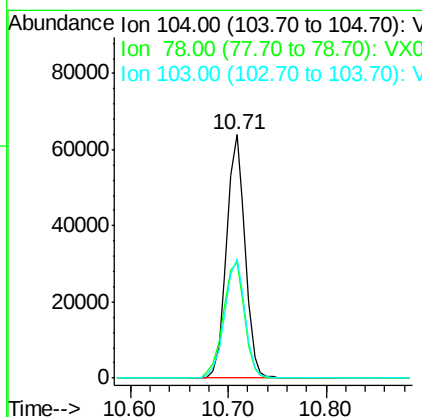
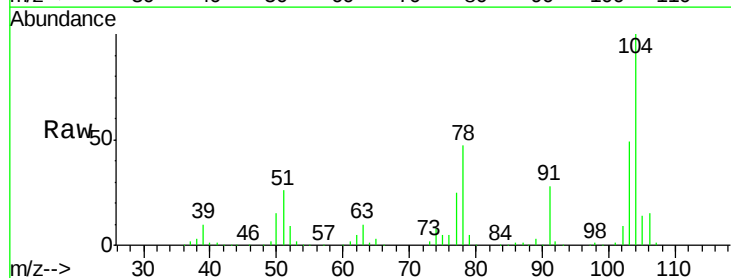
Manual Integrations
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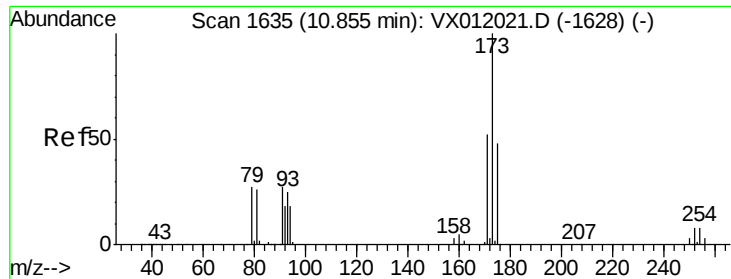
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#70
Styrene
Concen: 18.507 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion:104 Resp: 83880
Ion Ratio Lower Upper
104 100
78 55.0 39.1 58.7
103 53.7 43.4 65.2





#71

Bromoform

Concen: 18.019 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

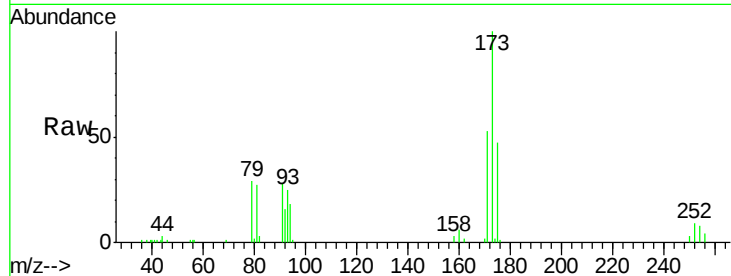
ClientSampleId :

VX0908SBS02

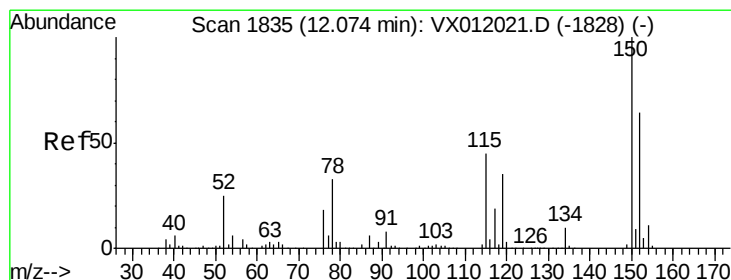
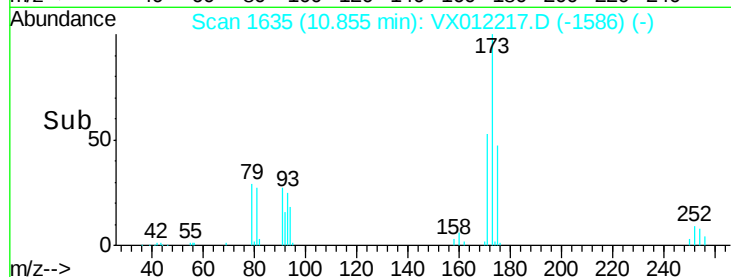
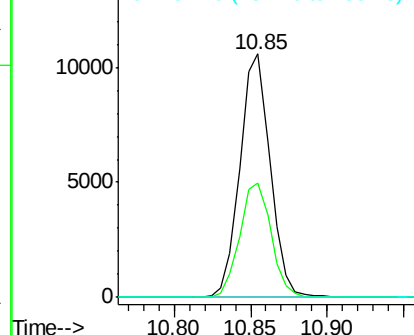
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.7
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

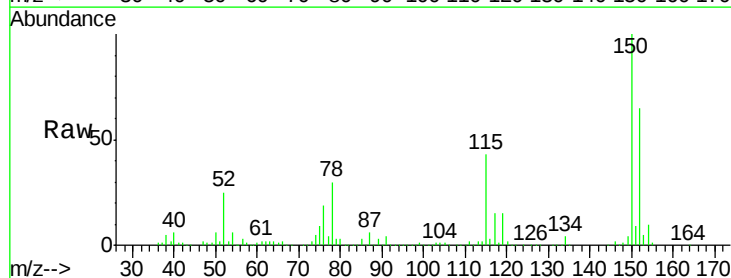
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

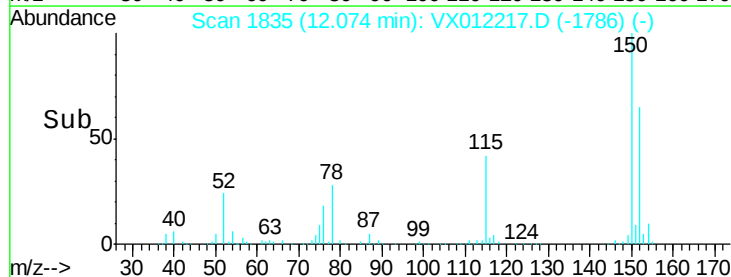
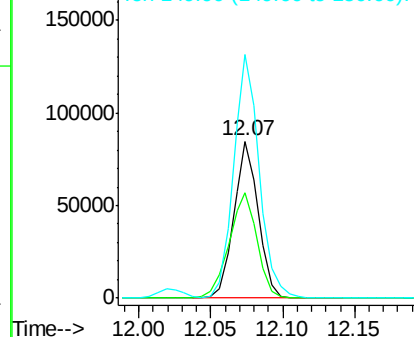
Lab File: VX012217.D

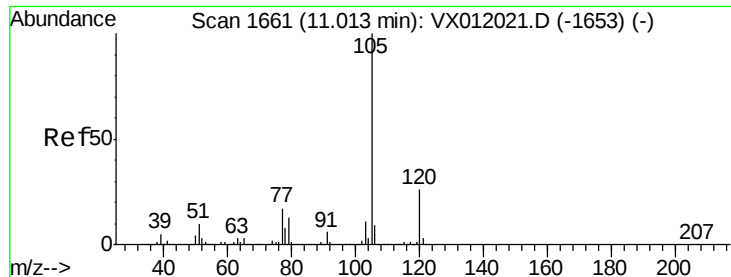
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.9	36.4	109.3
150	163.8	0.0	341.2



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





#73

Isopropylbenzene

Concen: 17.704 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion: 105 Resp: 130514

Ion Ratio Lower Upper

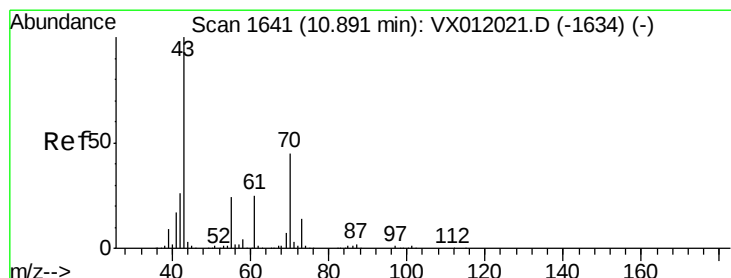
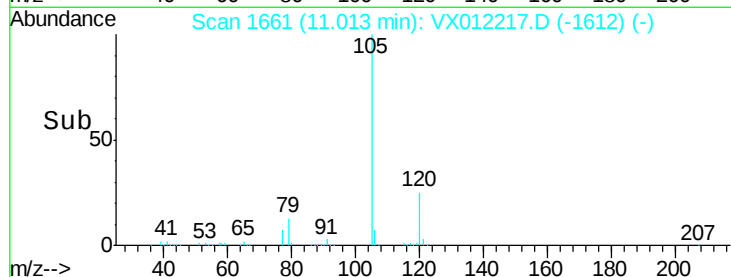
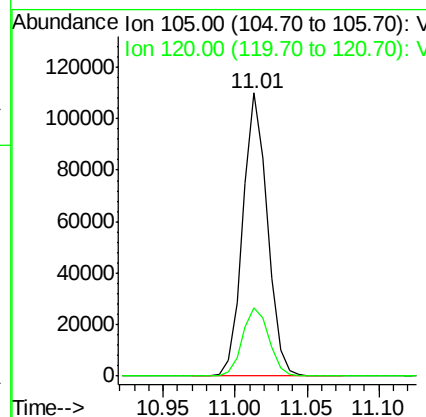
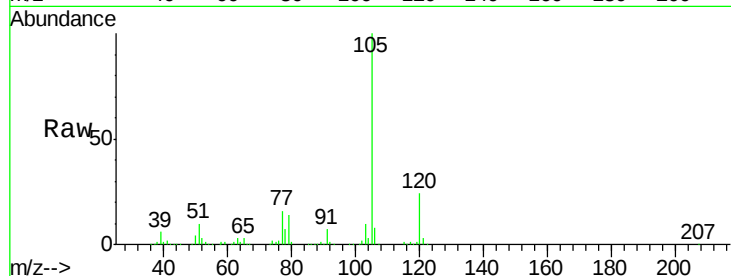
105 100

120 25.9 13.9 41.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.691 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tgt Ion: 43 Resp: 40741

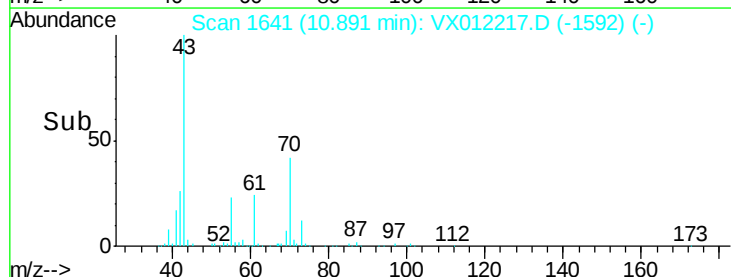
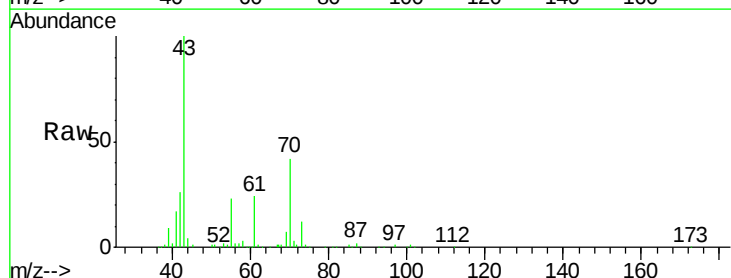
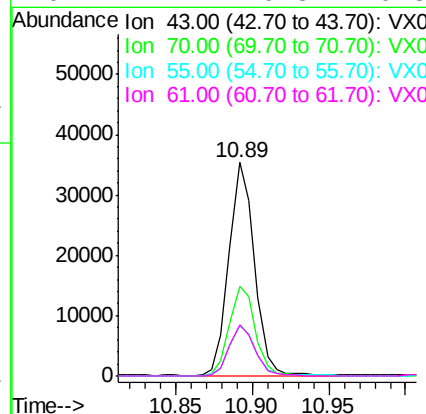
Ion Ratio Lower Upper

43 100

70 43.4 34.4 51.6

55 24.6 18.5 27.7

61 24.2 19.5 29.3





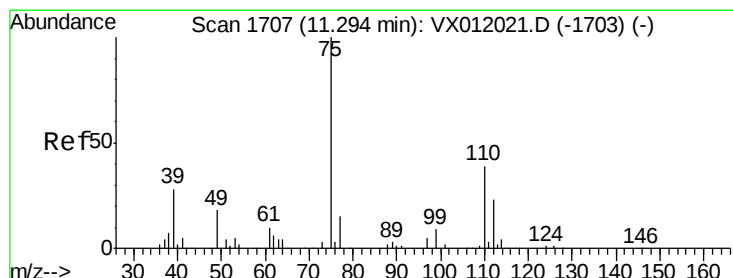
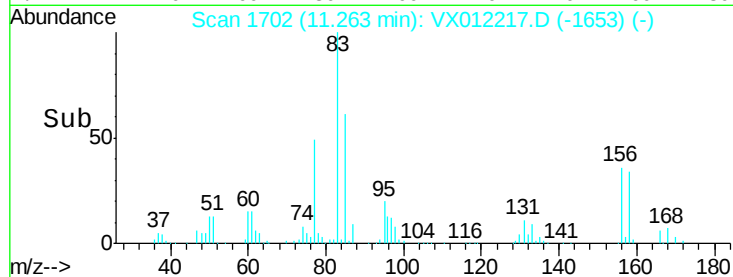
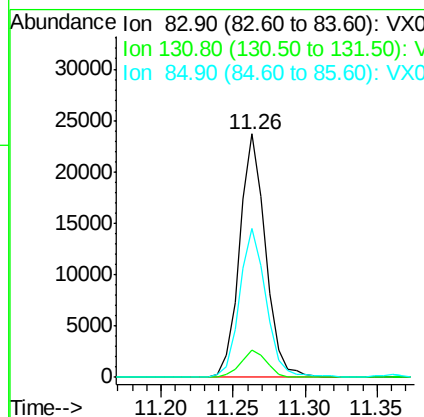
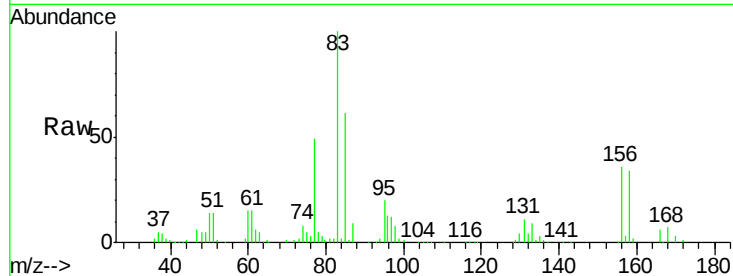
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.398 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	29813		
131	11.2	6.3	19.1	
85	62.1	32.5	97.4	

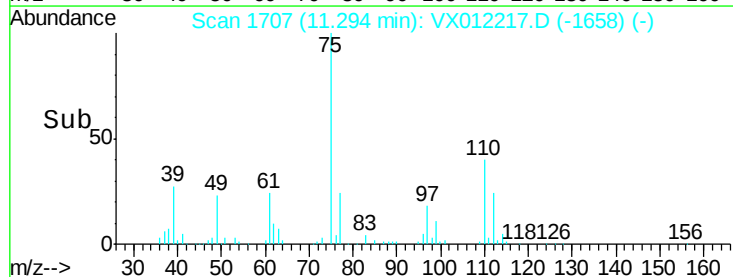
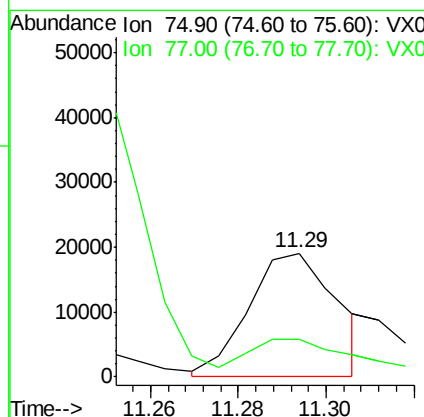
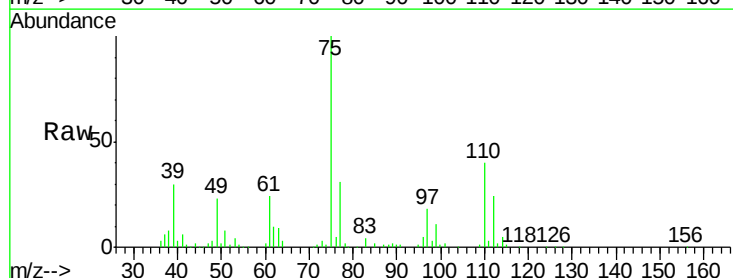
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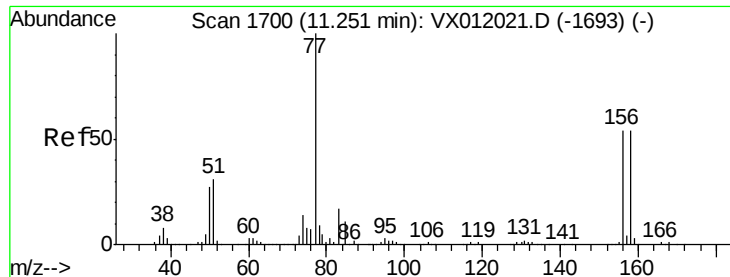
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#76
 1,2,3-Trichloropropane
 Concen: 21.840 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26813		
77	37.8	23.5	70.5	





#77

Bromobenzene

Concen: 18.921 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

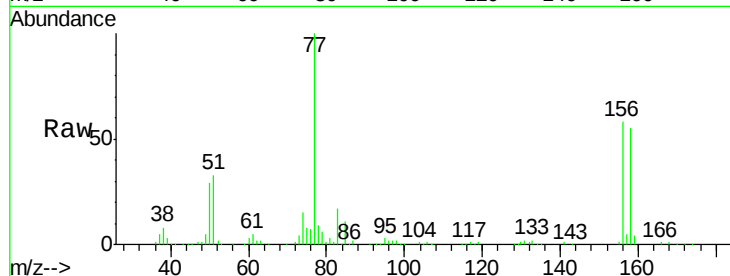
ClientSampleId :

VX0908SBS02

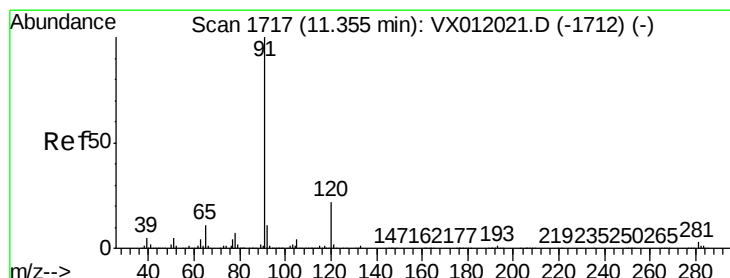
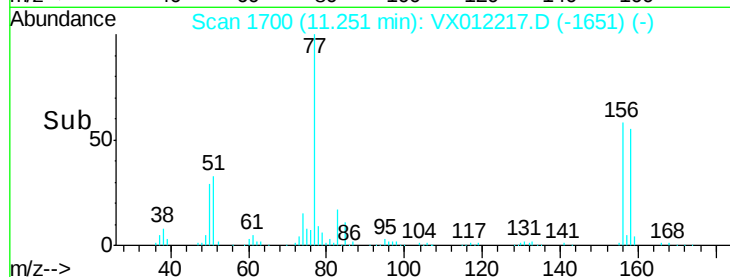
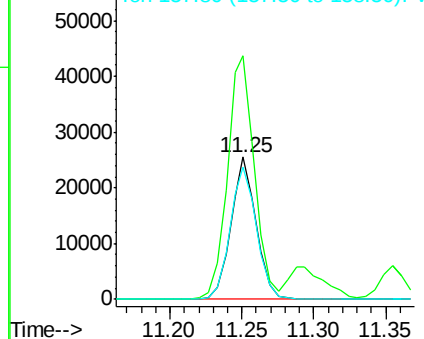
Tot Ion:	156	Resp:	31196
Ion	Ratio	Lower	Upper
156	100		
77	183.4	63.4	190.2
158	97.4	48.9	146.6

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.487 ug/l

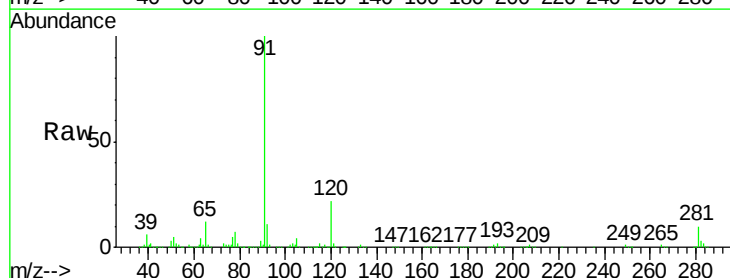
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

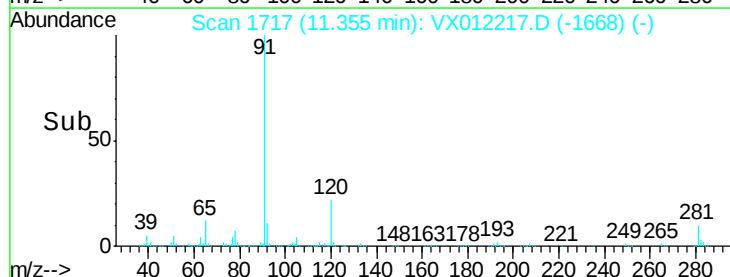
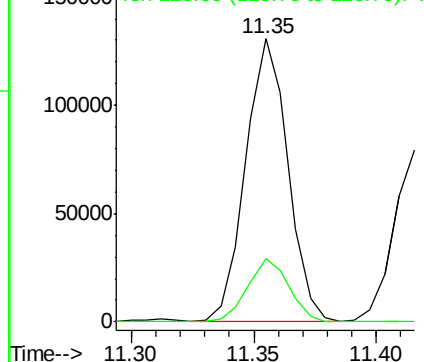
Lab File: VX012217.D

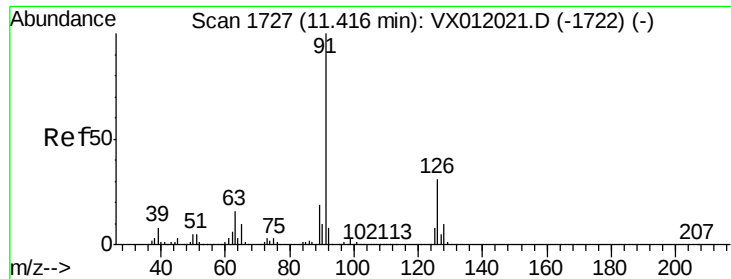
Acq: 08 Sep 2019 12:28

Tgt Ion:	91	Resp:	155743
Ion	Ratio	Lower	Upper
91	100		
120	22.1	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.980 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion: 91 Resp: 97014

Ion Ratio Lower Upper

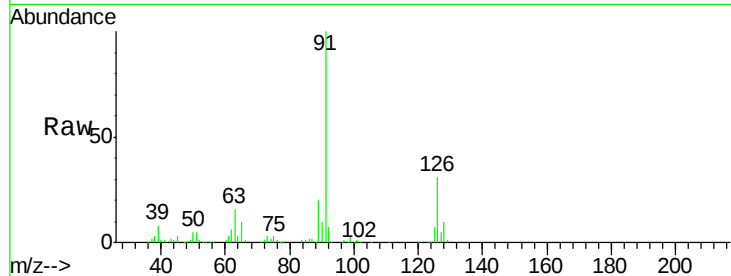
91 100

126 31.6 18.6 55.8

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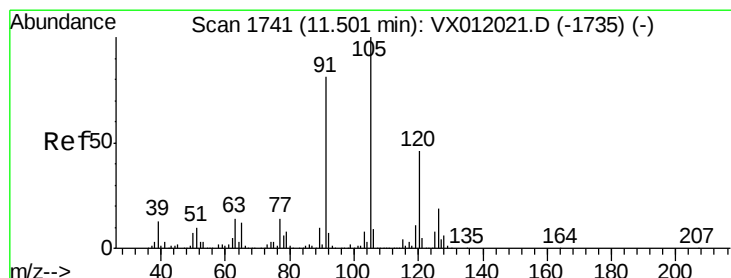
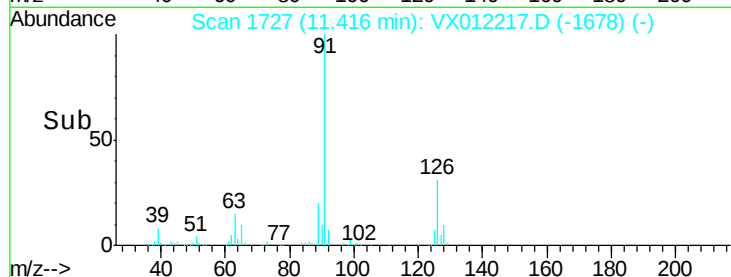
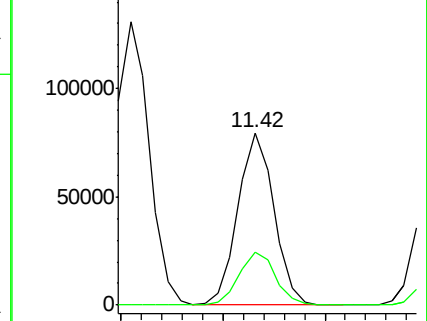
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.146 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012217.D

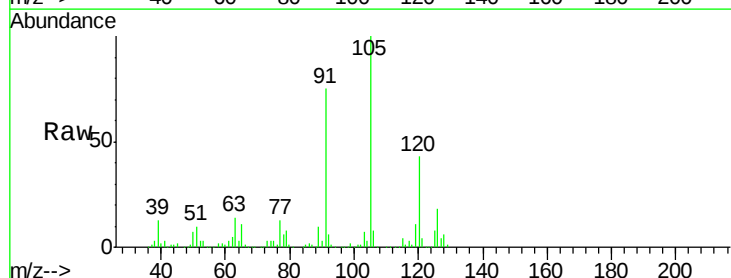
Acq: 08 Sep 2019 12:28

Tgt Ion:105 Resp: 117233

Ion Ratio Lower Upper

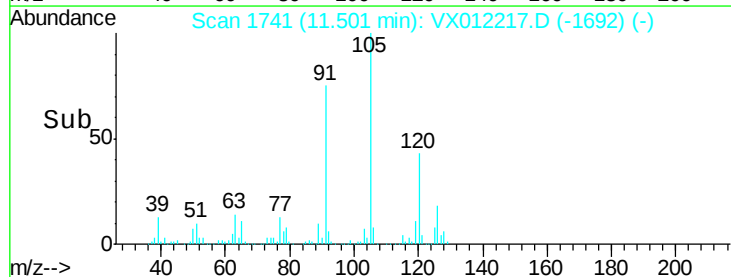
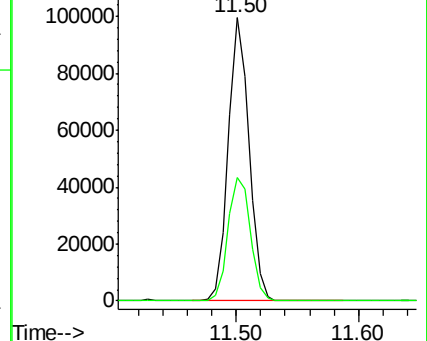
105 100

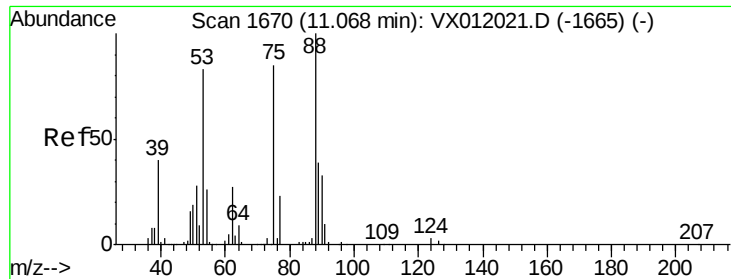
120 47.0 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





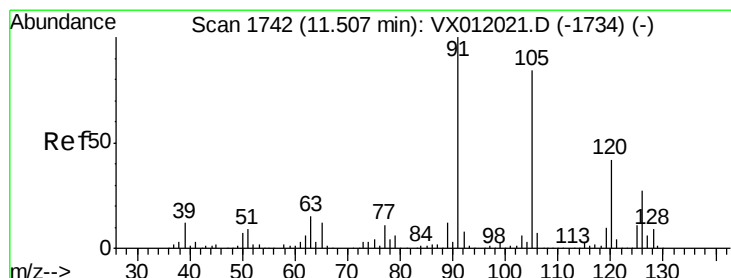
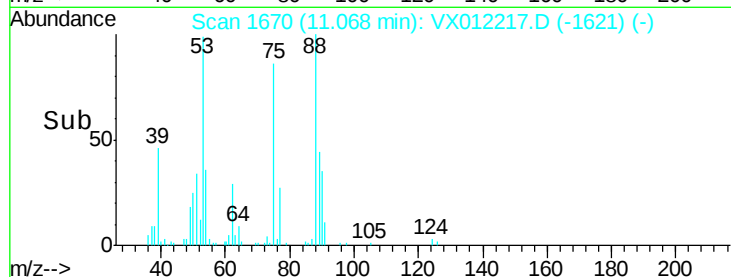
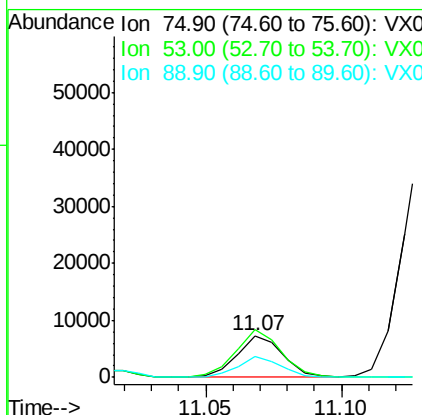
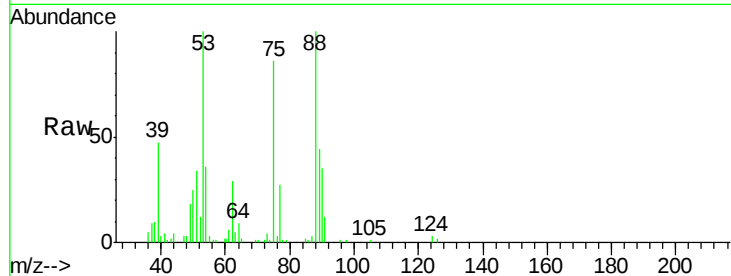
#81
trans-1,4-Dichloro-2-butene
Concen: 16.440 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.3	78.6	117.8
89	49.7	38.8	58.2

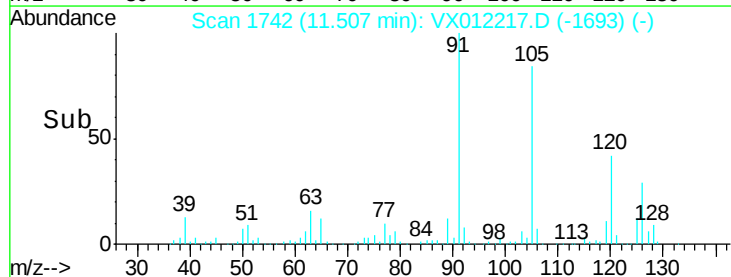
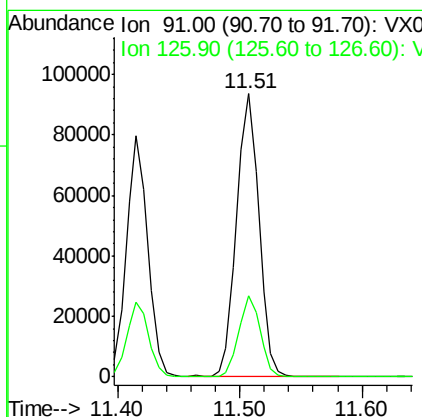
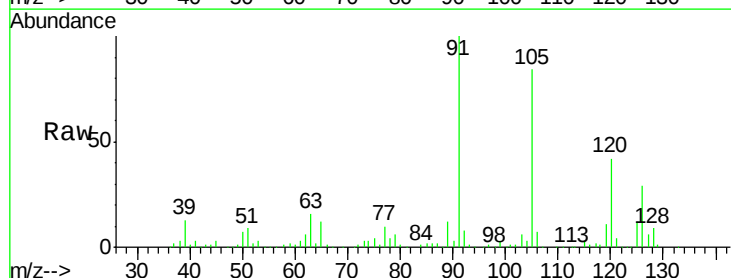
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#82
4-Chlorotoluene
Concen: 18.336 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	16.2	48.6





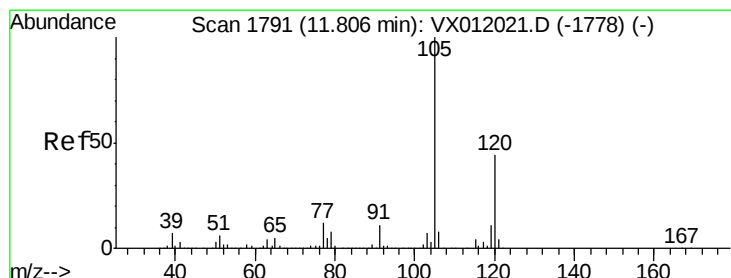
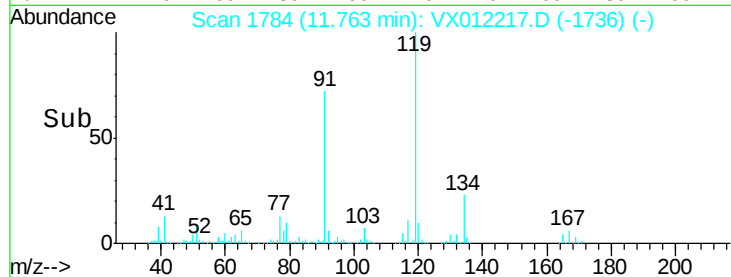
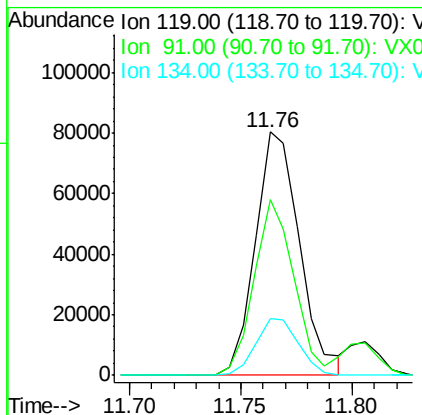
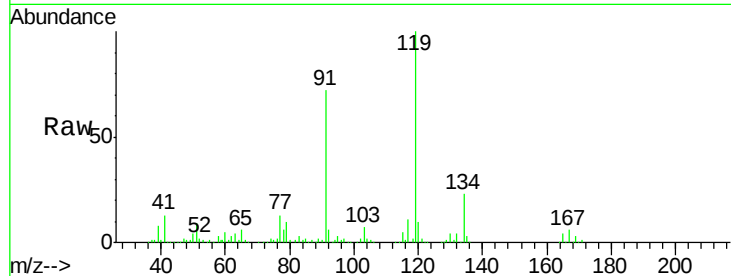
#83
tert-Butylbenzene
Concen: 18.076 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	111305		
91	64.7	27.1	81.2	
134	22.6	12.1	36.3	

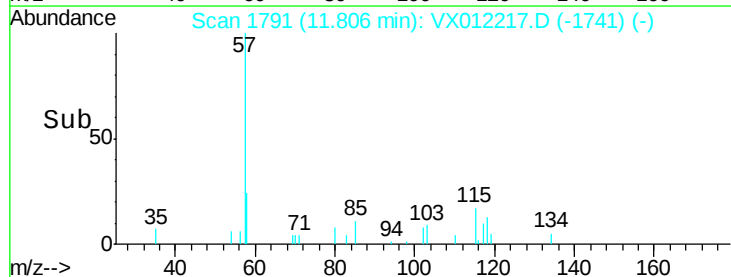
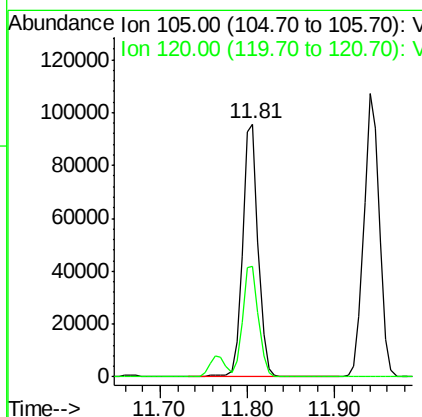
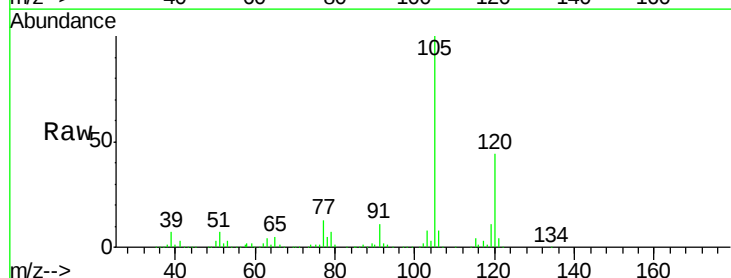
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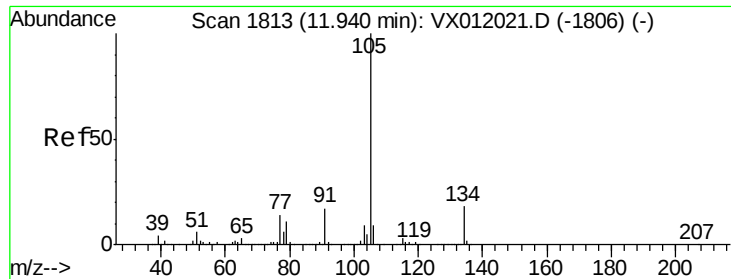
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#84
1,2,4-Trimethylbenzene
Concen: 17.869 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	118653		
120	44.5	23.6	70.8	





#85

sec-Butylbenzene

Concen: 17.394 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS02

Tot Ion:105 Resp: 133035

Ion Ratio Lower Upper

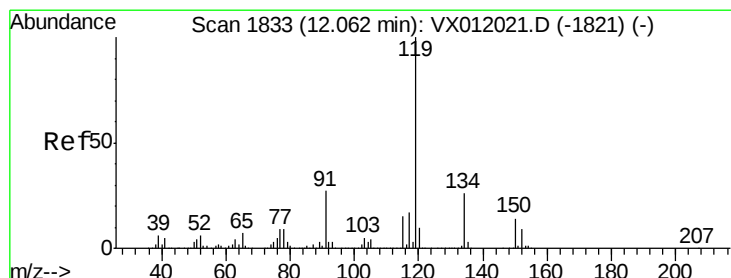
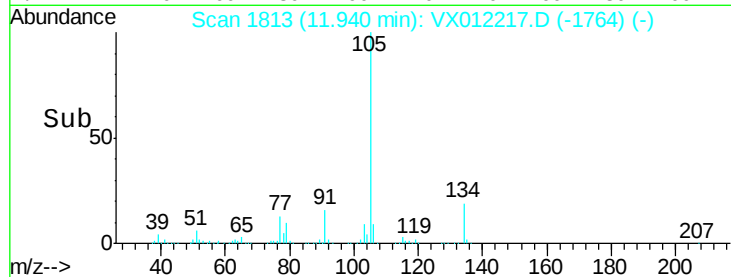
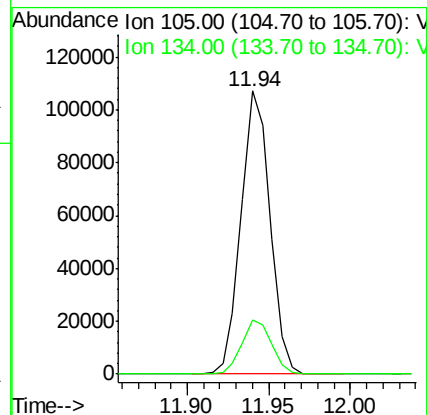
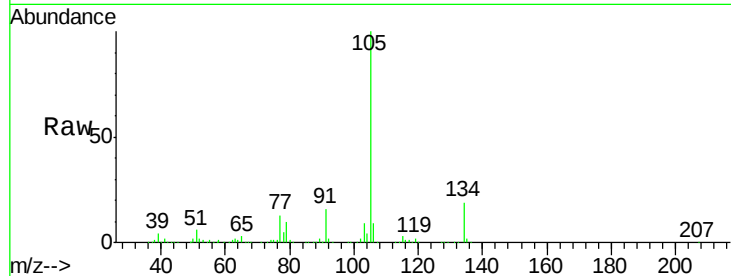
105 100

134 19.8 11.2 33.6

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#86

p-Isopropyltoluene

Concen: 17.451 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

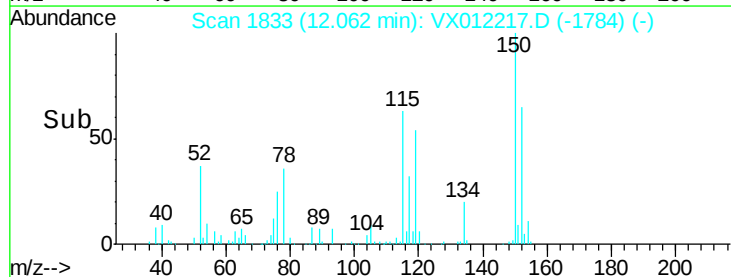
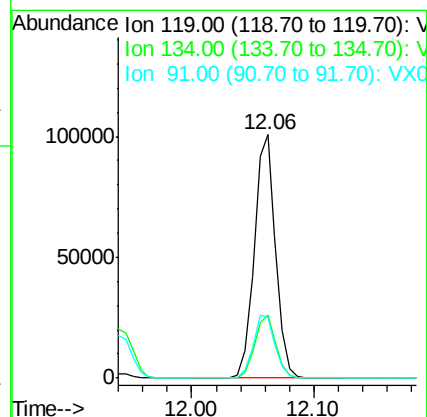
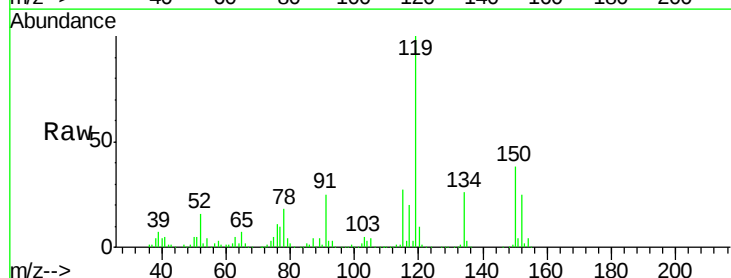
Tgt Ion:119 Resp: 121383

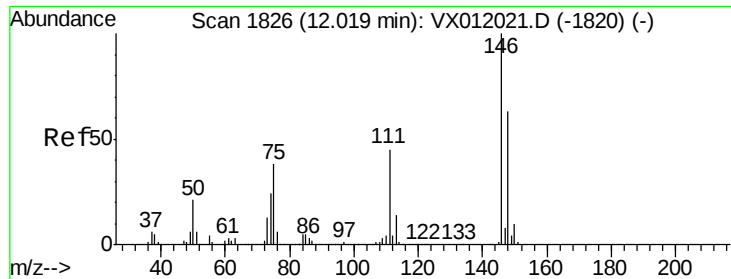
Ion Ratio Lower Upper

119 100

134 25.6 13.7 41.1

91 26.9 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 18.433 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Instrument :

MSVOA_X

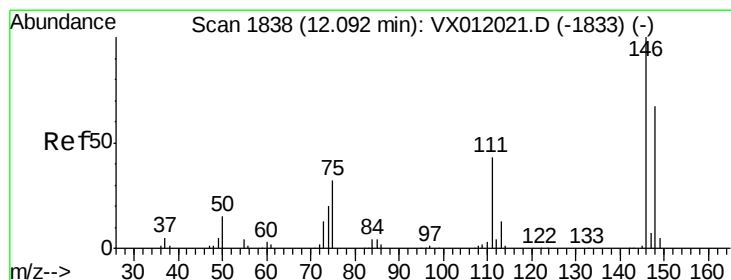
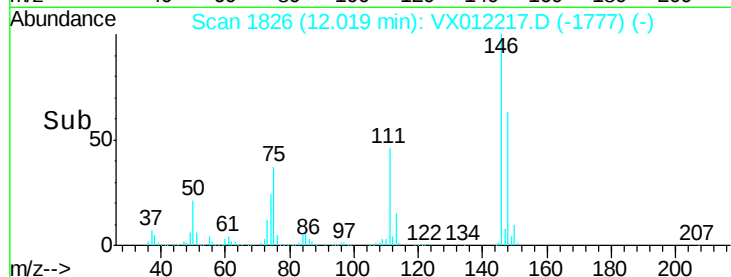
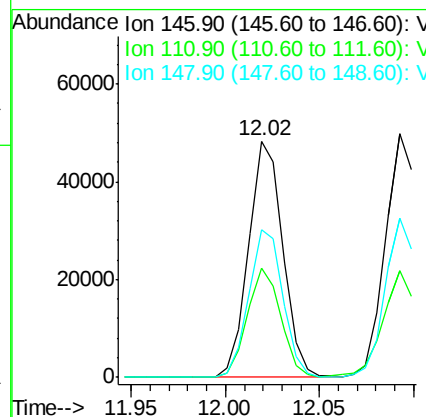
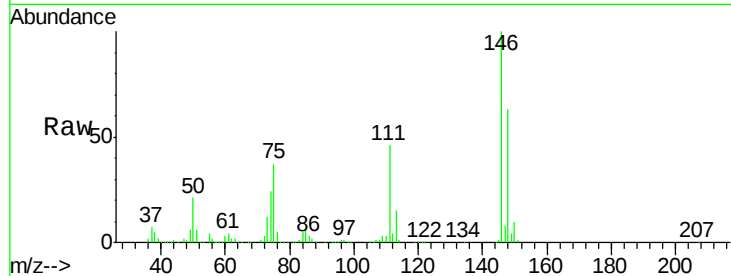
ClientSampleId :

VX0908SBS02

Tot Ion:	146	Resp:	60899
Ion Ratio	Lower	Upper	
146	100		
111	45.4	18.1	54.1
148	62.4	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 18.643 ug/l

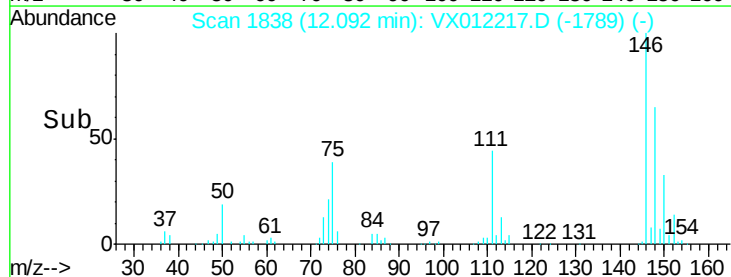
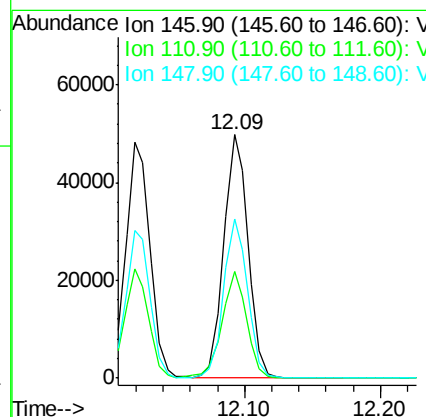
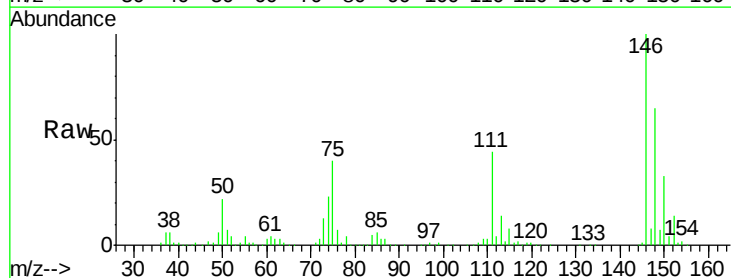
RT: 12.09 min Scan# 1838

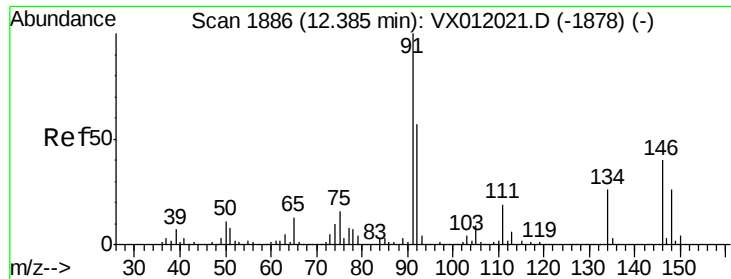
Delta R.T. -0.00 min

Lab File: VX012217.D

Acq: 08 Sep 2019 12:28

Tgt Ion:	146	Resp:	61586
Ion Ratio	Lower	Upper	
146	100		
111	44.2	17.7	53.1
148	64.5	32.4	97.0





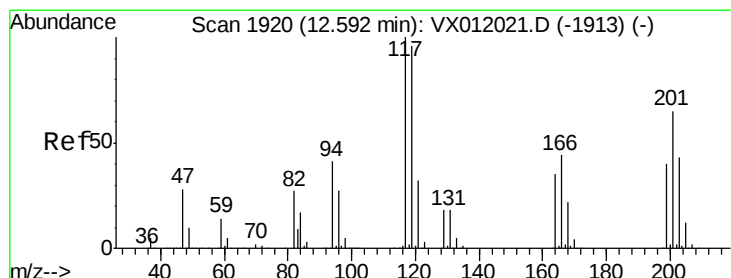
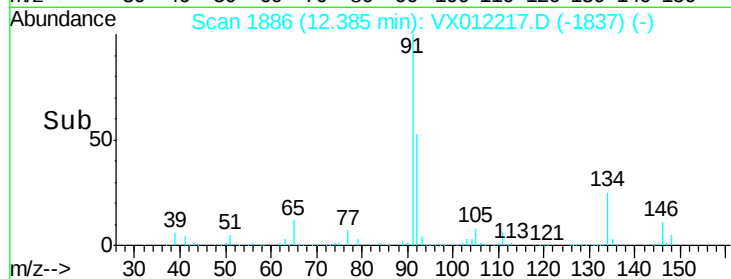
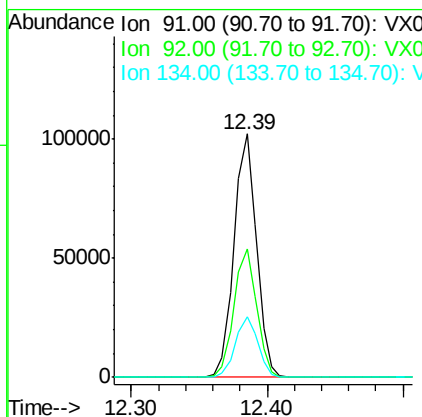
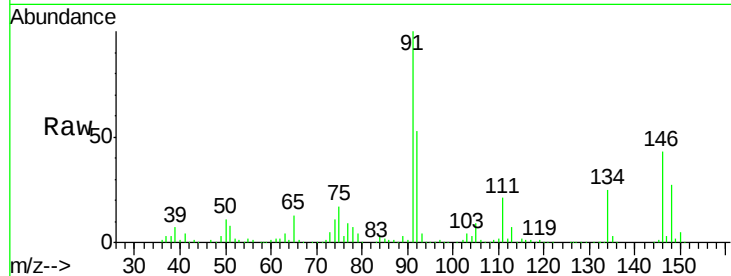
#89
n-Butylbenzene
Concen: 17.465 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampled :
VX0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	118010		
92	53.3	27.6	82.8	
134	25.0	15.4	46.1	

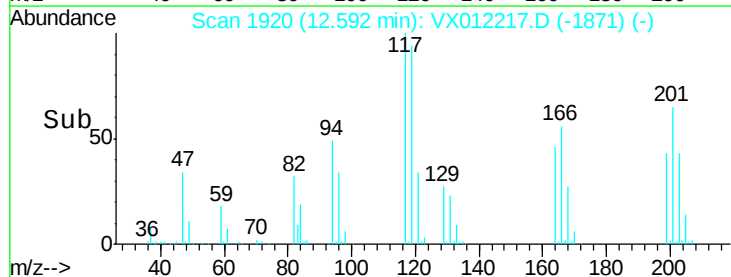
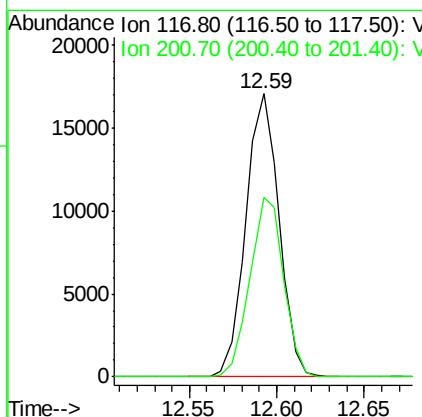
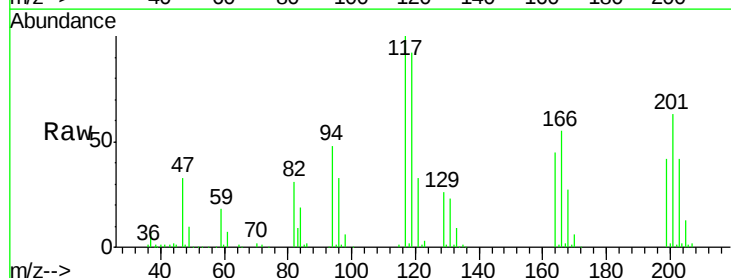
Manual Integrations
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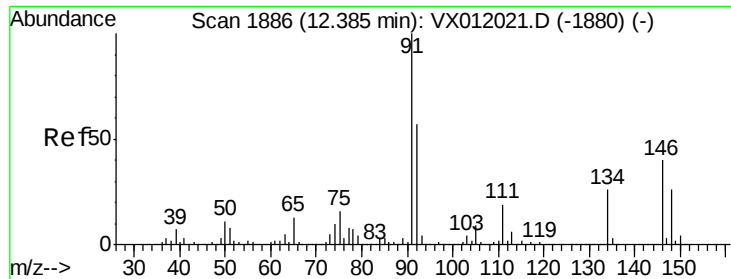
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#90
Hexachloroethane
Concen: 16.143 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22420		
201	64.6	55.0	165.2	





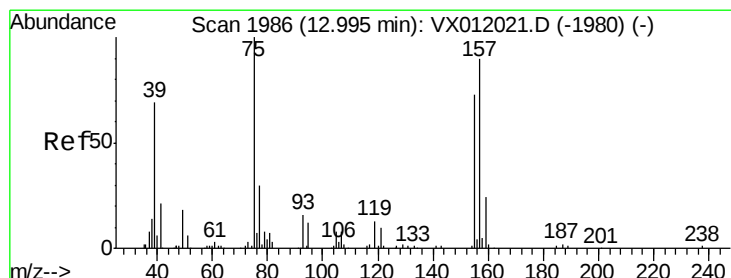
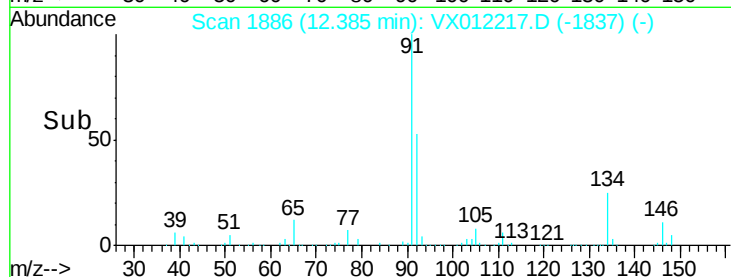
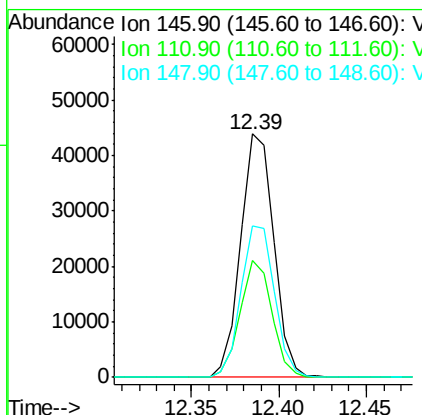
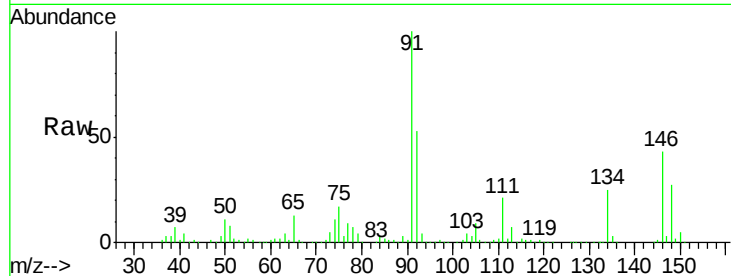
#91
 1,2-Dichlorobenzene
 Concen: 19.504 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	18.6	56.0
148	63.1	32.4	97.2

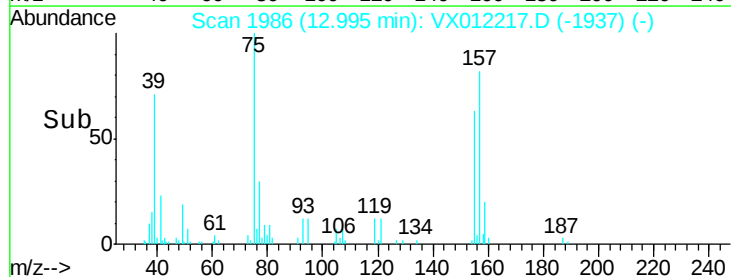
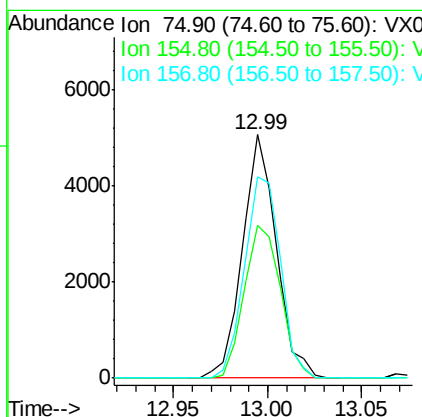
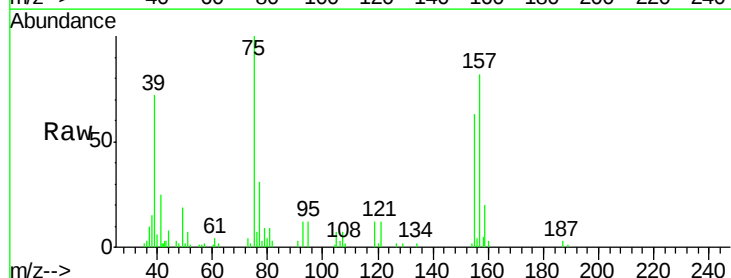
Manual Integrations
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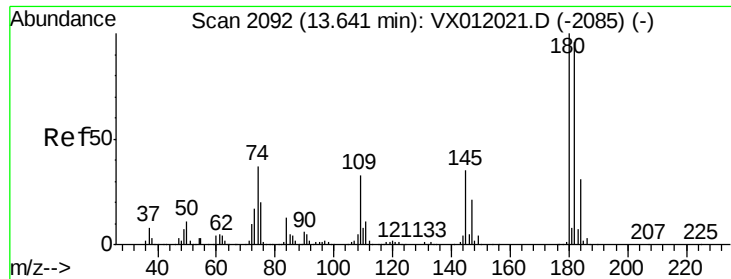
MMDadoda
 9/9/2019 8:43:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.695 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012217.D
 Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.0	51.7	155.2
157	87.5	66.9	200.7





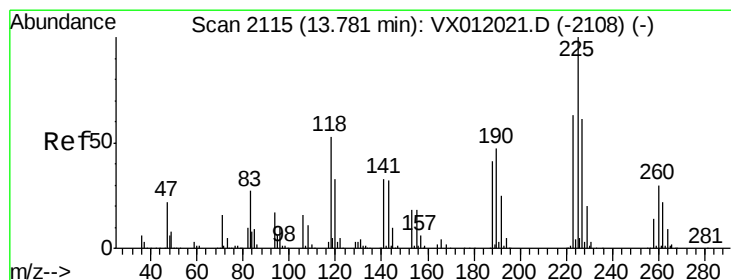
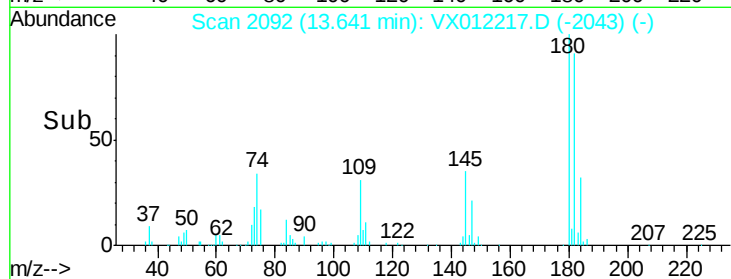
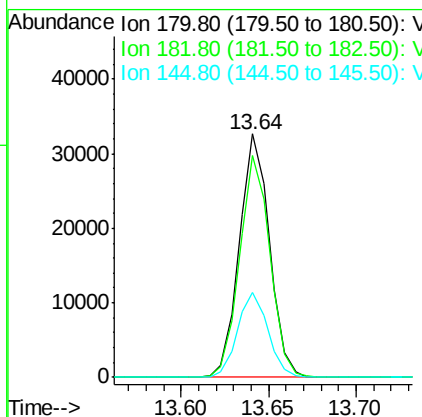
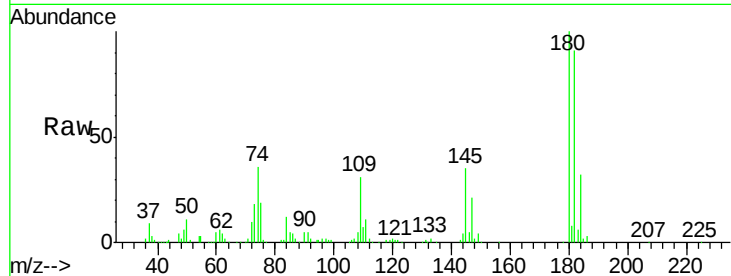
#93
1,2,4-Trichlorobenzene
Concen: 18.455 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	39085		
182	91.6	47.3	142.0	
145	35.4	13.7	41.0	

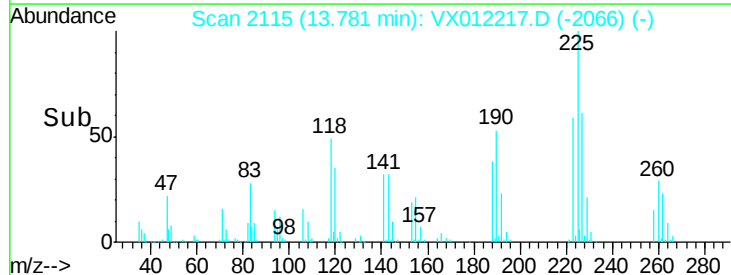
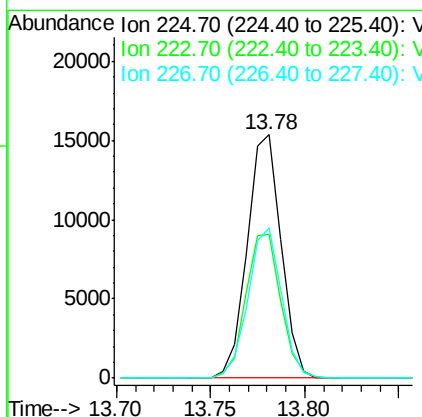
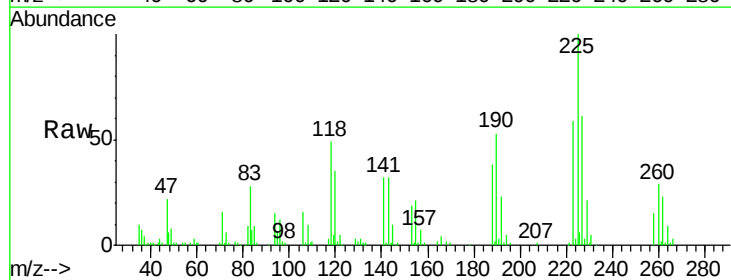
Manual Integrations
APPROVED

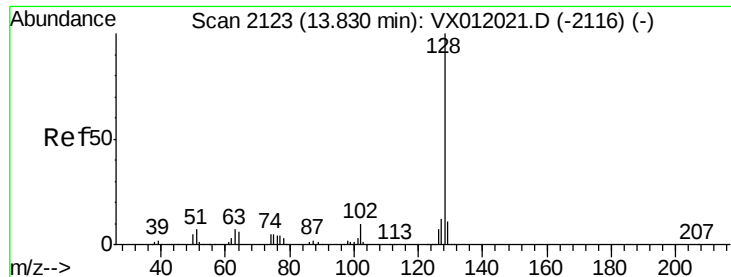
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9/9/2019 8:43:09 AM



#94
Hexachlorobutadiene
Concen: 17.979 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19194		
223	61.0	31.6	95.0	
227	60.9	32.5	97.5	





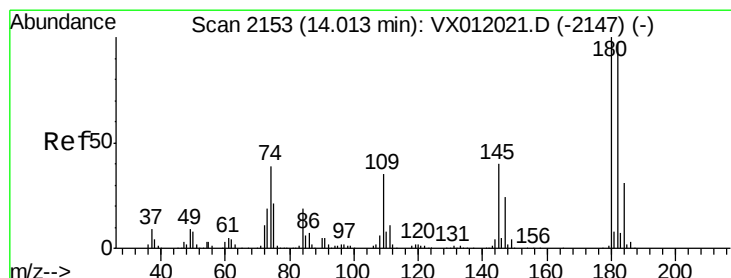
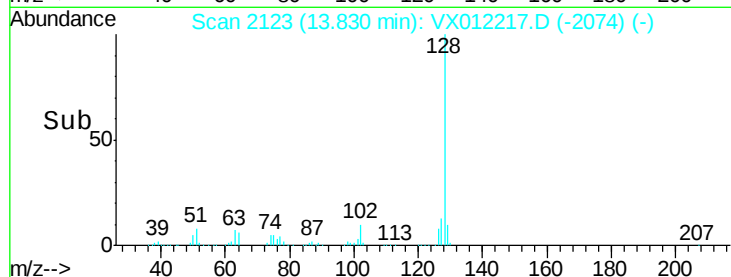
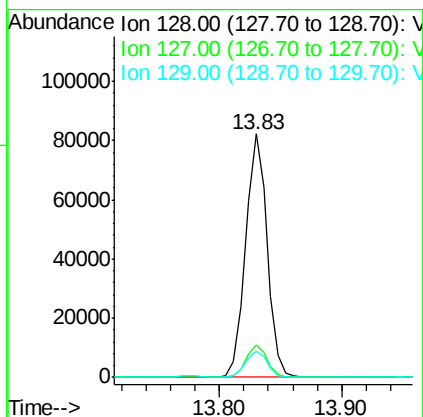
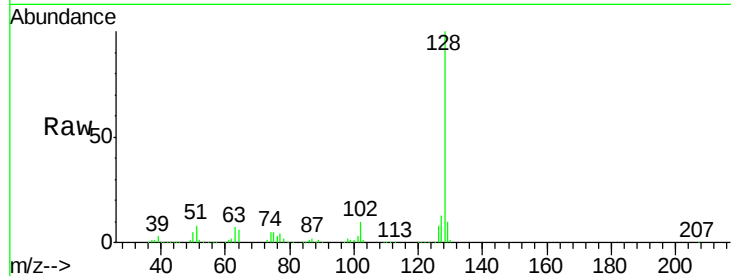
#95
Naphthalene
Concen: 21.902 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	100390		
127	13.1		10.5	15.7
129	10.9		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.096 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012217.D
Acq: 08 Sep 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	35580		
182	94.2		47.9	143.6
145	36.3		14.1	42.4

