

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012209.D
 Acq On : 08 Sep 2019 08:37
 Operator : SY/SP
 Sample : VX0907SBS03
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:23:54 AM

Quant Time: Sep 09 01:31:41 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	140355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	237380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	210979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104533	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	81796	42.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.48%	
35) Dibromofluoromethane	5.48	113	66768	45.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.48%	
50) Toluene-d8	8.71	98	255466	47.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.13	95	105885	42.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	29195	22.557	ug/l	96
3) Chloromethane	1.31	50	23390	17.646	ug/l	96
4) Vinyl Chloride	1.39	62	24611	19.735	ug/l	97
5) Bromomethane	1.62	94	11001	17.782	ug/l	100
6) Chloroethane	1.70	64	15097	19.473	ug/l	96
7) Trichlorofluoromethane	1.91	101	42843	22.118	ug/l	99
8) Diethyl Ether	2.17	74	12059	18.015	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	31203	21.749	ug/l #	83
10) Methyl Iodide	2.50	142	9045	12.345	ug/l	95
11) Tert butyl alcohol	3.03	59	14855	79.860	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	25646	18.556	ug/l	89
13) Acrolein	2.28	56	4570	71.258	ug/l	95
14) Allyl chloride	2.71	41	46146	18.453	ug/l	97
15) Acrylonitrile	3.12	53	36220	86.110	ug/l	98
16) Acetone	2.43	43	41678	90.038	ug/l	99
17) Carbon Disulfide	2.55	76	54011	13.372	ug/l	99
18) Methyl Acetate	2.76	43	17596	16.136	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	79545	17.679	ug/l	97
20) Methylene Chloride	2.84	84	30649	16.488	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	28440	17.536	ug/l	91
22) Diisopropyl ether	3.84	45	96005	18.835	ug/l	94
23) Vinyl Acetate	3.80	43	294680	89.368	ug/l	96
24) 1,1-Dichloroethane	3.68	63	55246	18.688	ug/l	97
25) 2-Butanone	4.65	43	52079	88.385	ug/l	99
26) 2,2-Dichloropropane	4.56	77	56843	20.826	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	34371	18.079	ug/l	89
28) Bromochloromethane	5.00	49	23245	19.698	ug/l #	78
29) Tetrahydrofuran	5.11	42	30156	84.944	ug/l	96
30) Chloroform	5.20	83	60550	19.088	ug/l	99
31) Cyclohexane	5.56	56	45130	19.008	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	57169	20.693	ug/l	95
36) 1,1-Dichloropropene	5.78	75	42715	20.431	ug/l	95
37) Ethyl Acetate	4.82	43	20550	18.075	ug/l	96
38) Carbon Tetrachloride	5.78	117	48182	21.871	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	49512	20.404	ug/l	95
40) Benzene	6.13	78	119364	19.887	ug/l	98
41) Methacrylonitrile	5.02	41	12708	18.743	ug/l	96
42) 1,2-Dichloroethane	6.18	62	43167	19.985	ug/l	97
43) Isopropyl Acetate	6.43	43	42426	18.353	ug/l	99
44) Trichloroethene	7.20	130	32543	20.102	ug/l	84
45) 1,2-Dichloropropane	7.50	63	31040	20.017	ug/l	97
46) Dibromomethane	7.65	93	16852	18.616	ug/l #	75
47) Bromodichloromethane	7.89	83	45110	19.604	ug/l #	99
48) Methyl methacrylate	7.76	41	20437	17.582	ug/l	96
49) 1,4-Dioxane	7.73	88	5323	335.934	ug/l	89
51) 4-Methyl-2-Pentanone	8.64	43	109981	93.535	ug/l	97
52) Toluene	8.78	92	77091	19.740	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	43294	18.174	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	48824	18.430	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	24768	19.138	ug/l	97
56) Ethyl methacrylate	9.17	69	32335	17.443	ug/l	94
57) 1,3-Dichloropropane	9.37	76	42256	18.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	74448	89.079	ug/l	92
59) 2-Hexanone	9.48	43	80228	93.508	ug/l	96
60) Dibromochloromethane	9.57	129	29263	18.972	ug/l	99
61) 1,2-Dibromoethane	9.67	107	22521	18.008	ug/l	100
64) Tetrachloroethene	9.33	164	29238	22.229	ug/l #	87
65) Chlorobenzene	10.14	112	85094	20.442	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	31384	20.619	ug/l	97
67) Ethyl Benzene	10.25	91	160689	21.177	ug/l	97
68) m/p-Xylenes	10.36	106	117556	42.049	ug/l	91
69) o-Xylene	10.70	106	55518	20.479	ug/l	88
70) Styrene	10.71	104	95826	20.351	ug/l	95
71) Bromoform	10.85	173	14707	17.592	ug/l #	100
73) Isopropylbenzene	11.01	105	163819	21.359	ug/l	96
74) N-amyl acetate	10.89	43	40424	17.826	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	29125	18.215	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	25950m	20.317	ug/l	
77) Bromobenzene	11.25	156	34650	20.200	ug/l	71
78) n-propylbenzene	11.35	91	198346	21.406	ug/l	94
79) 2-Chlorotoluene	11.42	91	116185	20.697	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	142221	21.160	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	8527	15.783	ug/l	89
82) 4-Chlorotoluene	11.51	91	141361	21.128	ug/l	91
83) tert-Butylbenzene	11.76	119	136639	21.329	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	140077	20.277	ug/l	94
85) sec-Butylbenzene	11.94	105	168916	21.229	ug/l	95
86) p-Isopropyltoluene	12.06	119	154155	21.303	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	68175	19.834	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	70359	20.472	ug/l	94
89) n-Butylbenzene	12.39	91	148775	21.164	ug/l	96
90) Hexachloroethane	12.59	117	27049	18.721	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	62727	20.263	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5392	16.115	ug/l	67

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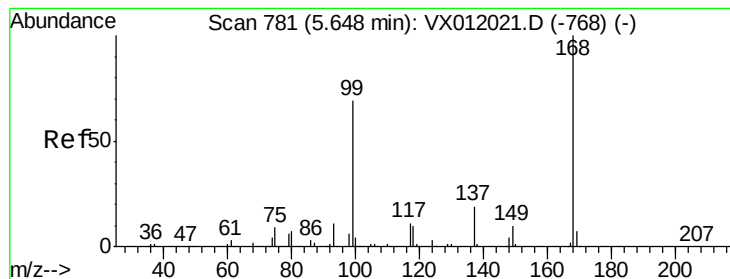
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	40902	18.563	µg/l	97
94) Hexachlorobutadiene	13.78	225	23214	20.901	µg/l	97
95) Naphthalene	13.83	128	78562	16.474	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	34903	18.006	µg/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: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion:168 Resp: 140355

Ion Ratio Lower Upper

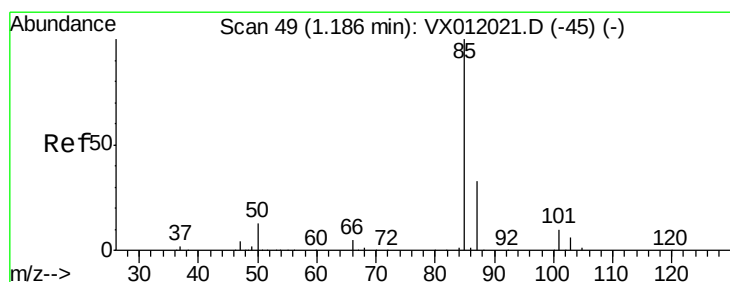
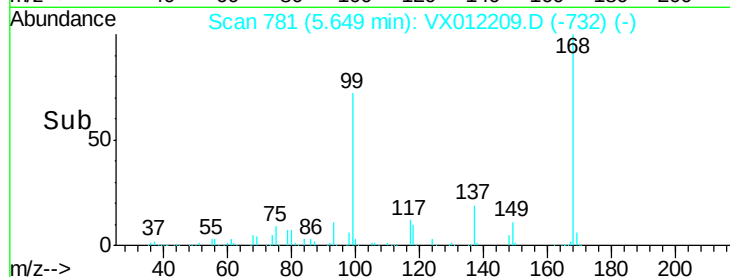
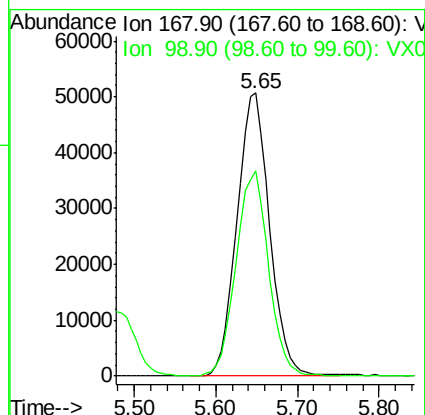
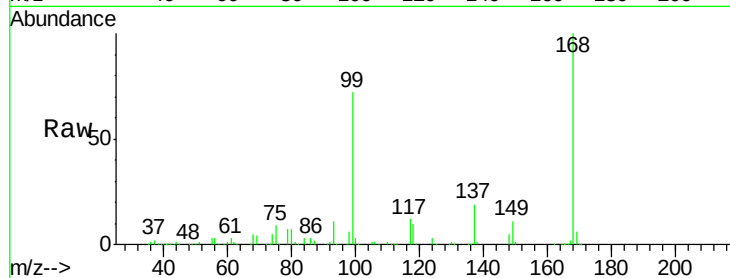
168 100

99 72.2 37.6 56.4#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 22.557 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012209.D

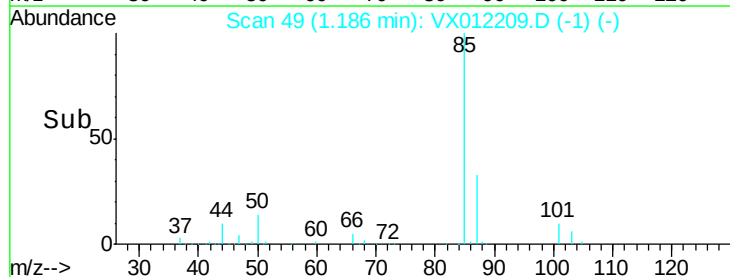
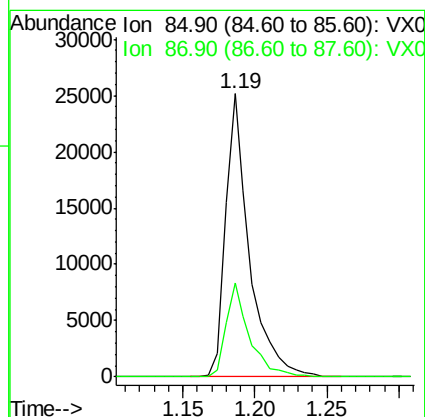
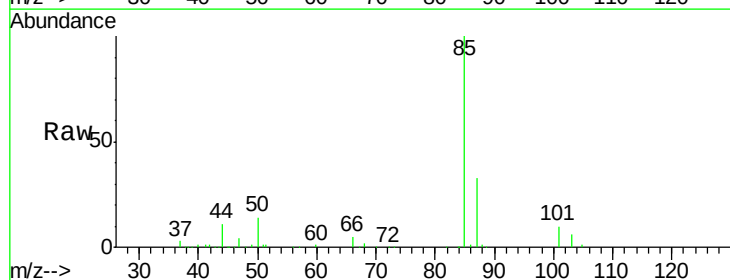
Acq: 08 Sep 2019 08:37

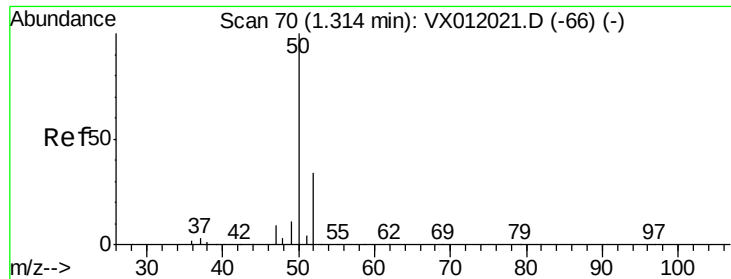
Tgt Ion: 85 Resp: 29195

Ion Ratio Lower Upper

85 100

87 33.3 15.6 46.8





#3

Chloromethane

Concen: 17.646 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 50 Resp: 23390

Ion Ratio Lower Upper

50 100

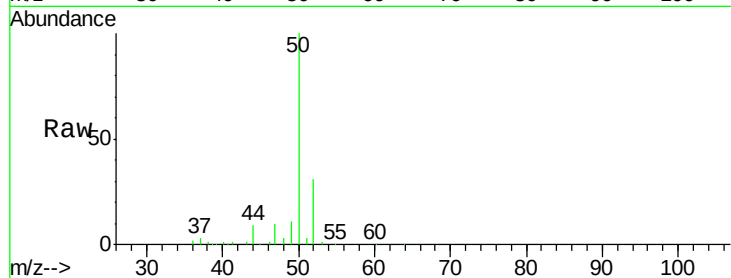
52 30.9 26.5 39.7

Manual Integrations

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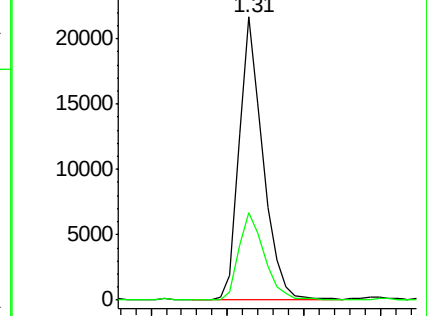
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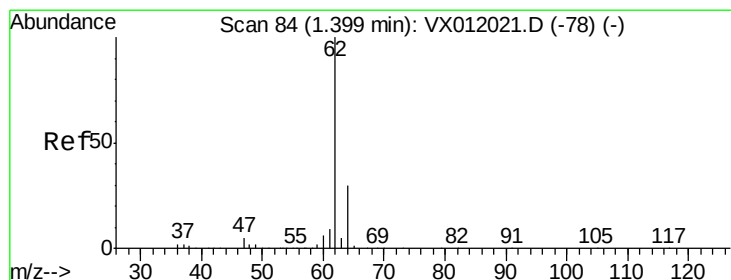
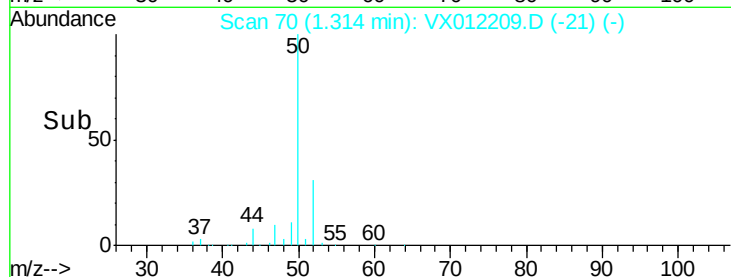


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.735 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012209.D

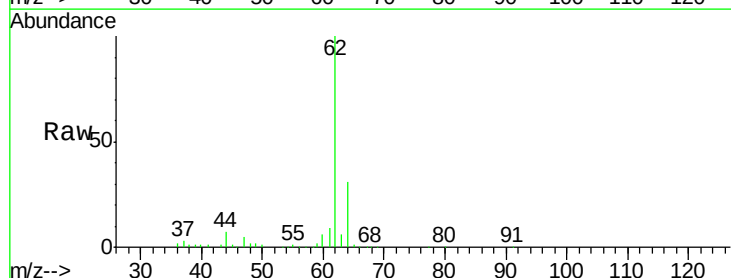
Acq: 08 Sep 2019 08:37

Tgt Ion: 62 Resp: 24611

Ion Ratio Lower Upper

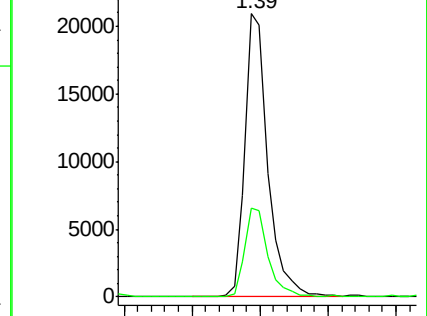
62 100

64 31.2 26.2 39.4

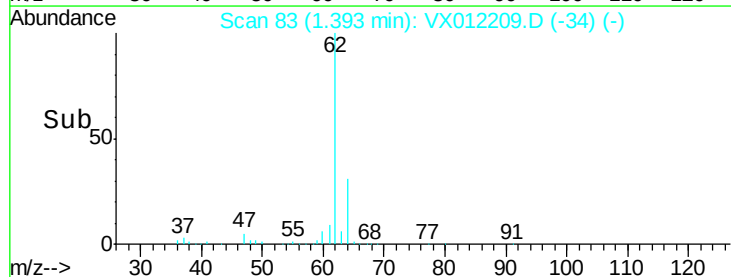


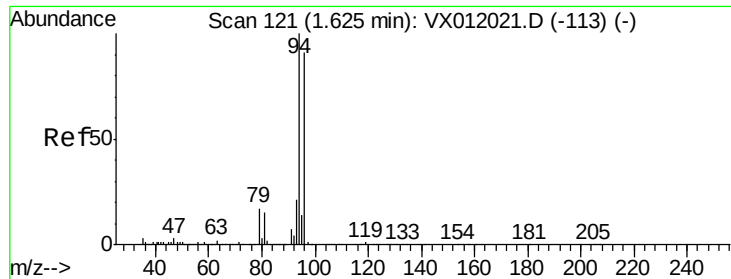
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 17.782 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampled :

VX0907SBS03

Tot Ion: 94 Resp: 11001

Ion Ratio Lower Upper

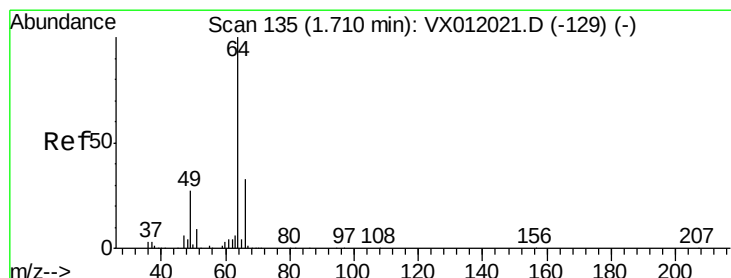
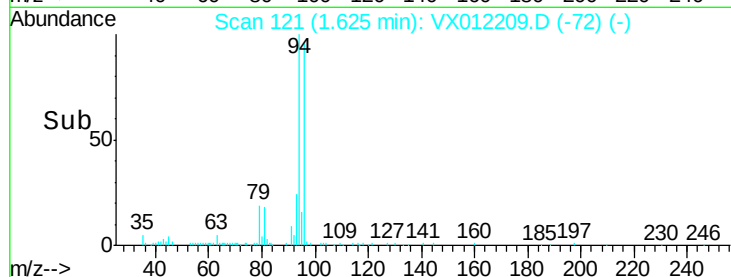
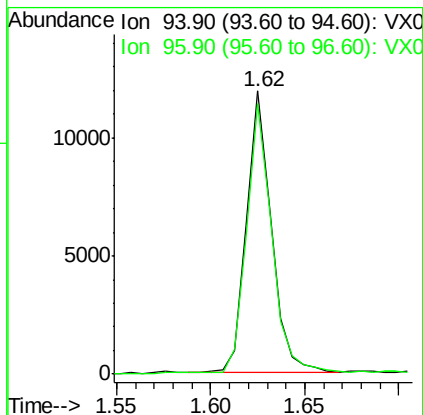
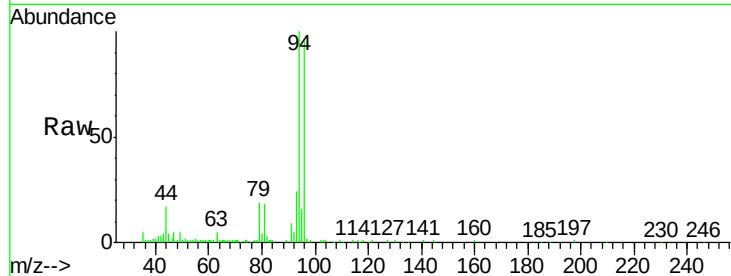
94 100

96 95.5 76.3 114.5

Manual Integrations
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#6

Chloroethane

Concen: 19.473 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012209.D

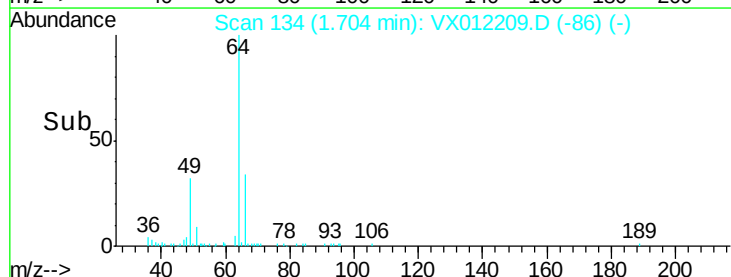
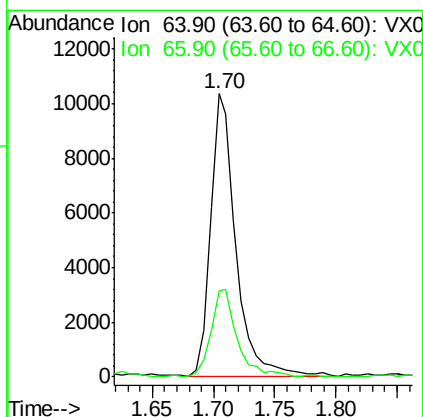
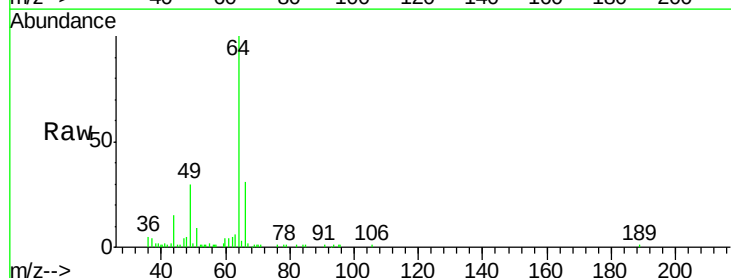
Acq: 08 Sep 2019 08:37

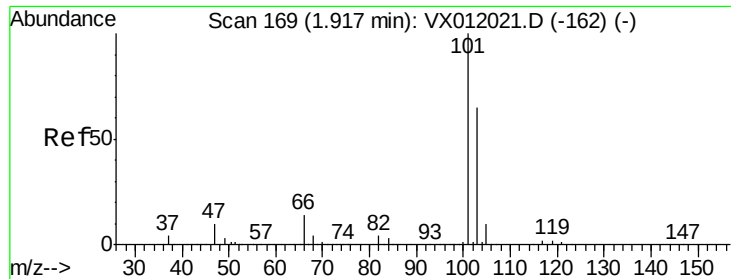
Tgt Ion: 64 Resp: 15097

Ion Ratio Lower Upper

64 100

66 30.5 26.3 39.5





#7

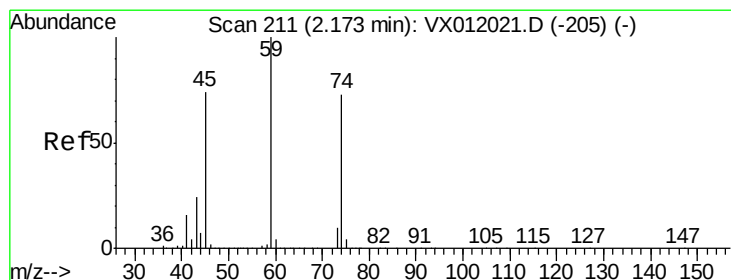
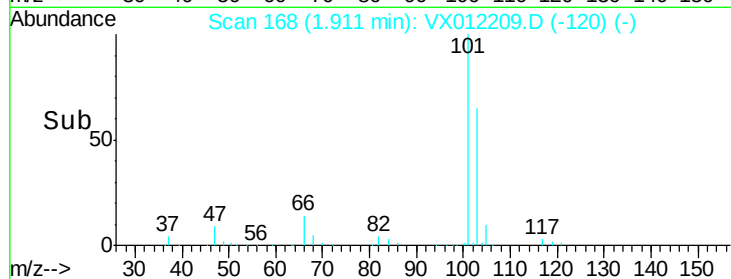
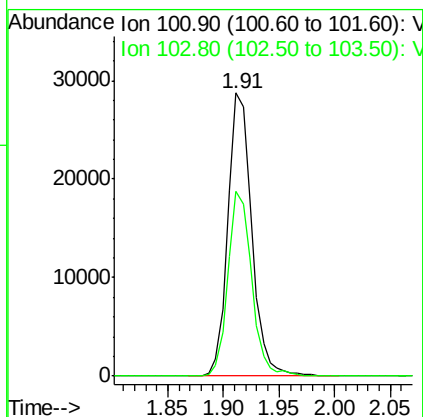
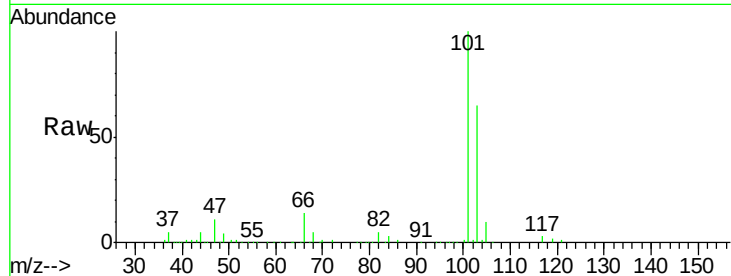
Trichlorofluoromethane
 Concen: 22.118 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
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 ClientSampleId :
 VX0907SBS03

Tot Ion:101 Resp: 42843
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.6 77.4

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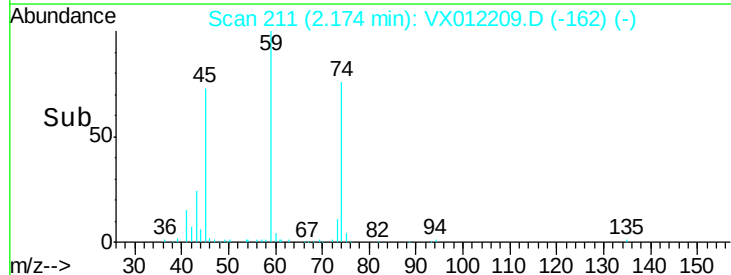
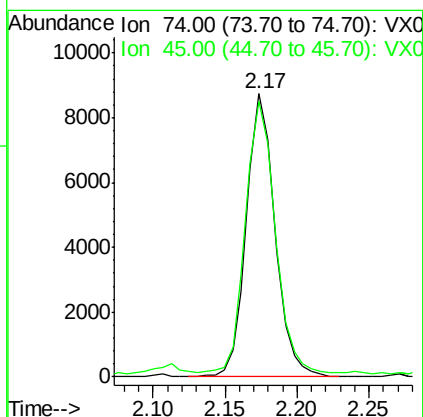
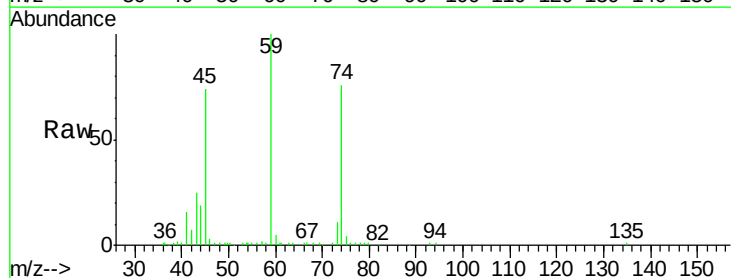
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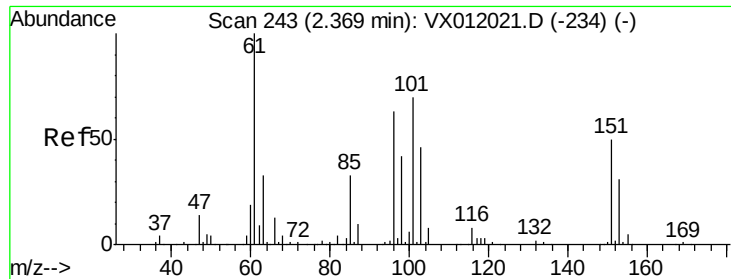


#8

Diethyl Ether
 Concen: 18.015 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion: 74 Resp: 12059
 Ion Ratio Lower Upper
 74 100
 45 99.5 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.749 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

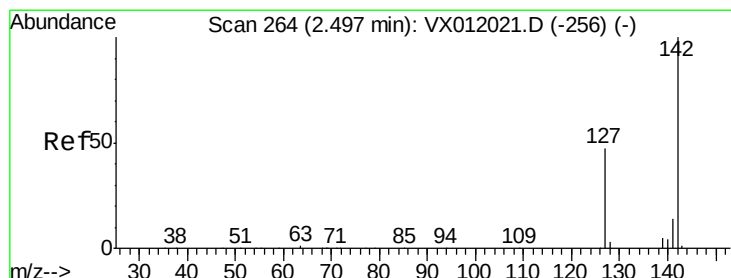
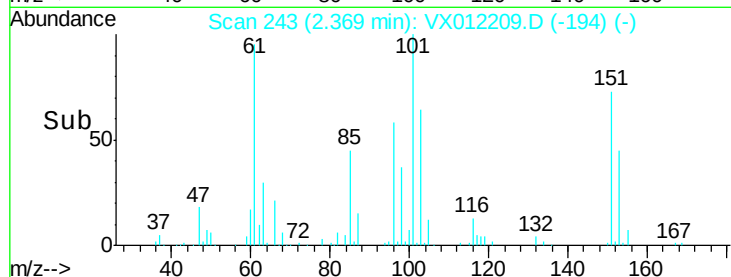
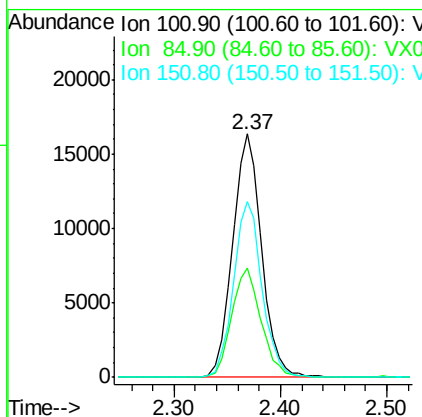
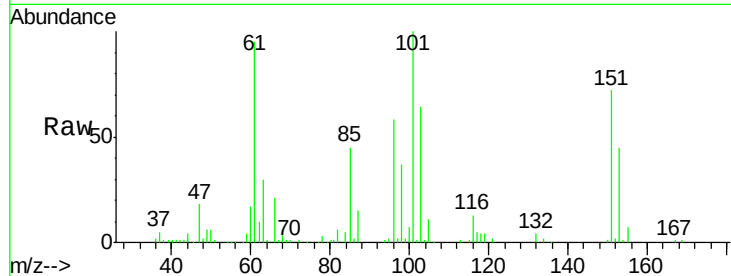
ClientSampleId :

VX0907SBS03

Tot Ion	Ratio	Resp	Lower	Upper
101	100	31203		
85	45.5	34.5	51.7	
151	71.1	75.0	112.4	

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#10

Methyl Iodide

Concen: 12.345 ug/l

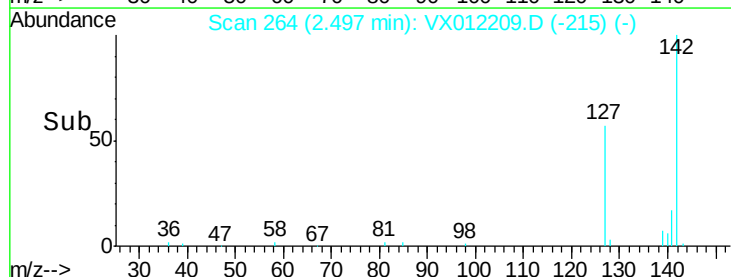
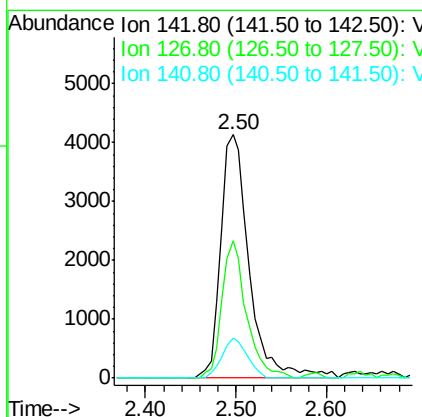
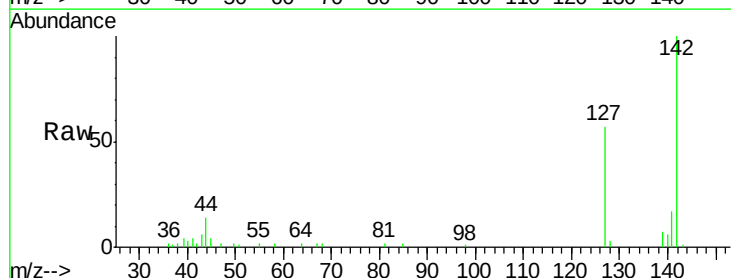
RT: 2.50 min Scan# 264

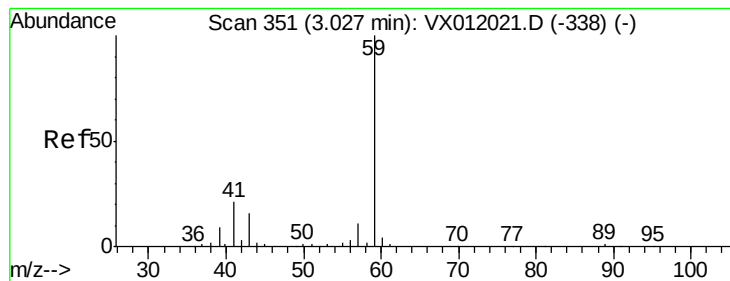
Delta R.T. 0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	9045		
127	48.8	35.4	53.2	
141	14.4	11.4	17.2	





#11

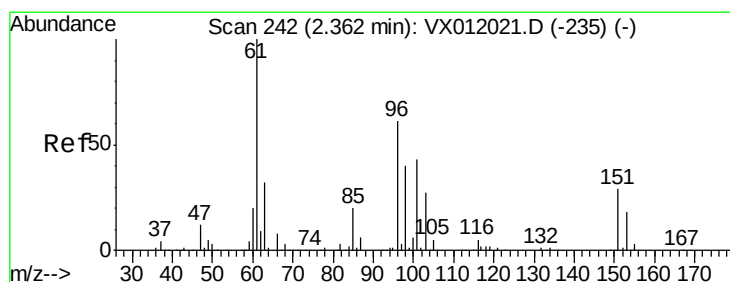
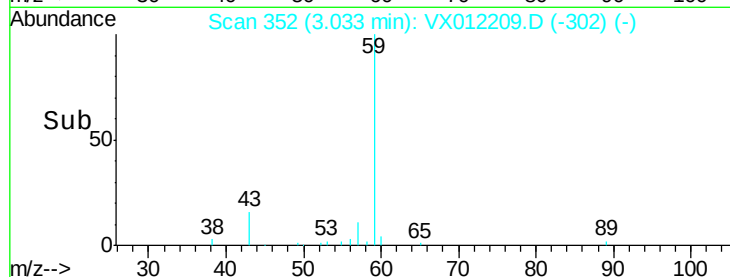
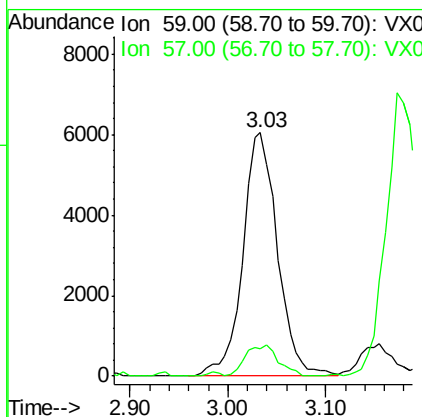
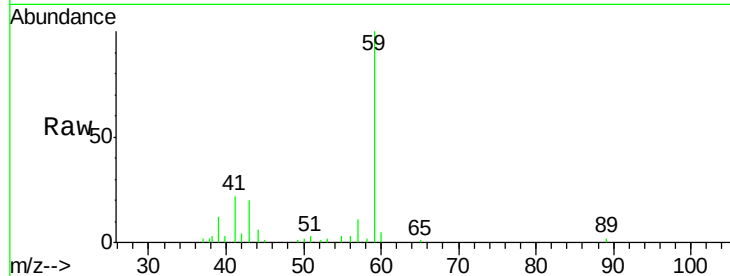
Tert butyl alcohol
Concen: 79.860 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	7.9	11.9#

Manual Integrations
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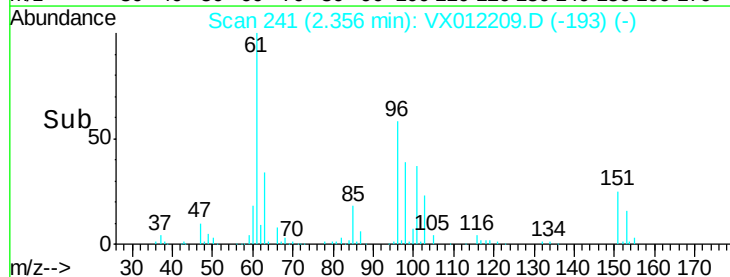
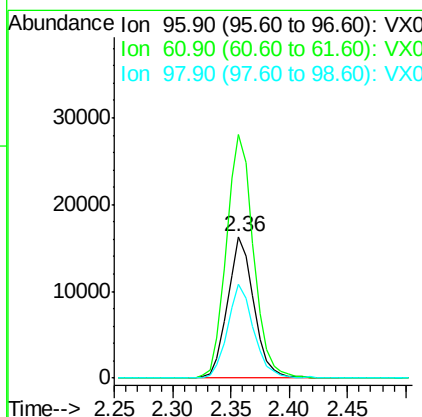
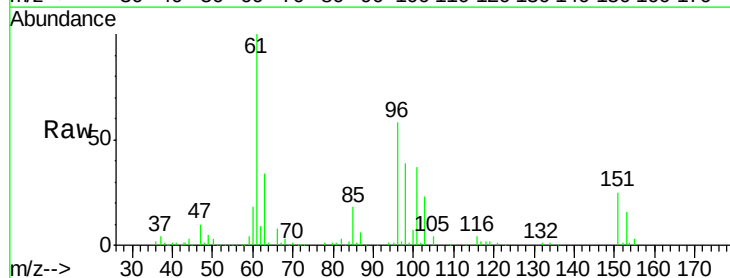
MMDadoda
9/9/2019 9:23:54 AM

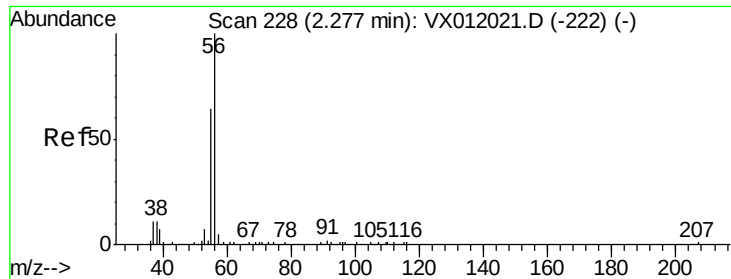


#12

1,1-Dichloroethene
Concen: 18.556 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.9	124.1	186.1
98	66.6	50.2	75.2





#13

Acrolein

Concen: 71.258 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tot Ion: 56 Resp: 4570

Ion Ratio Lower Upper

56 100

55 78.3 59.2 88.8

Instrument :

MSVOA_X

ClientSampleId :

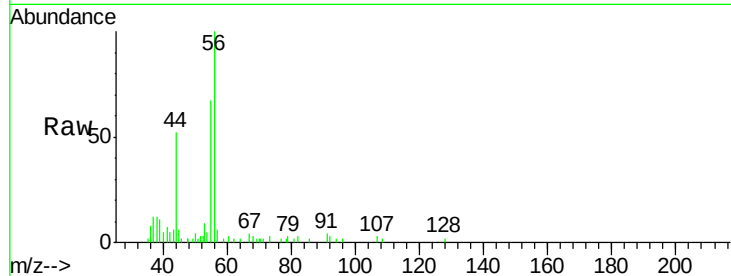
VX0907SBS03

Manual Integrations

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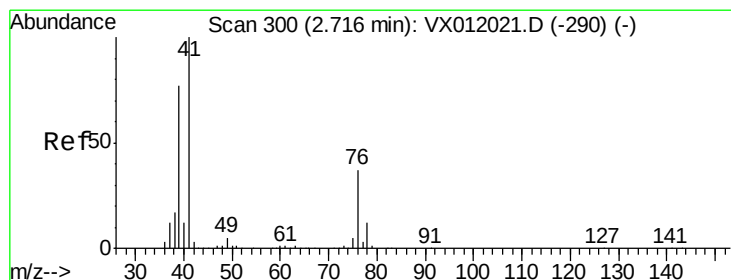
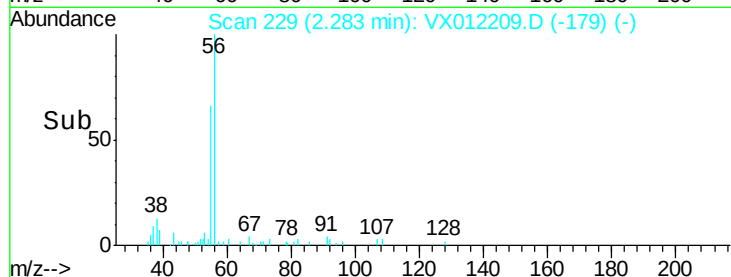
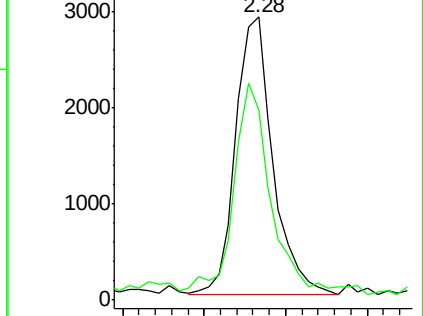
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.453 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

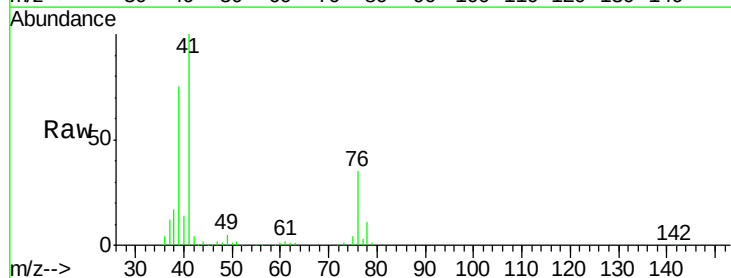
Tgt Ion: 41 Resp: 46146

Ion Ratio Lower Upper

41 100

39 74.4 57.9 86.9

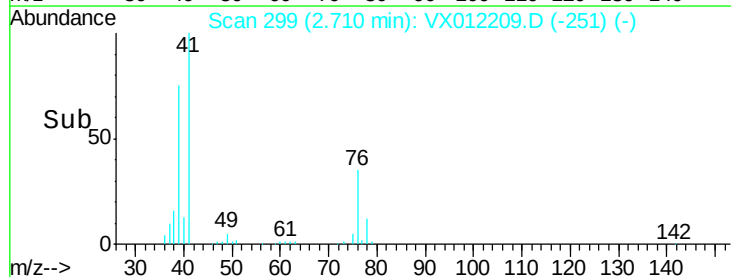
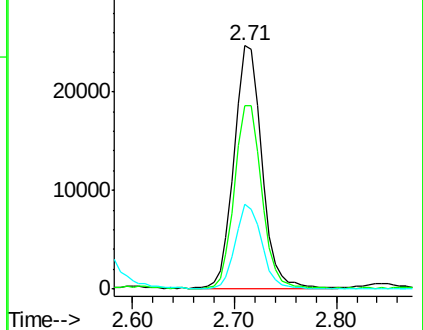
76 33.5 28.5 42.7

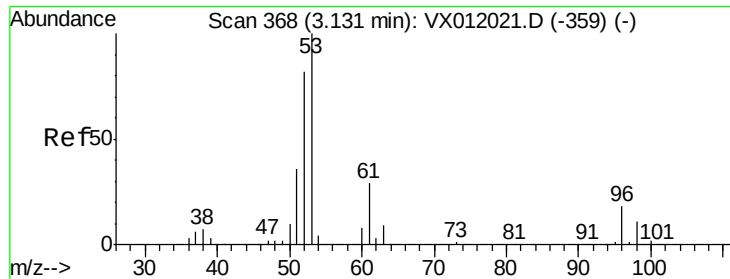


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





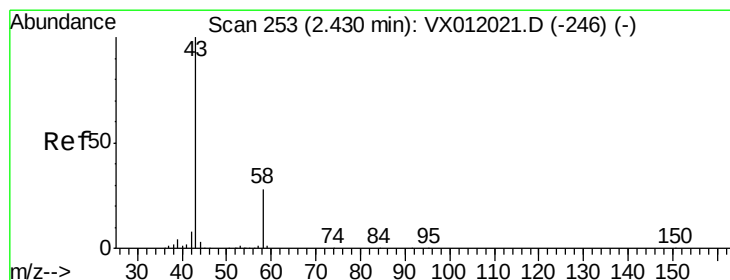
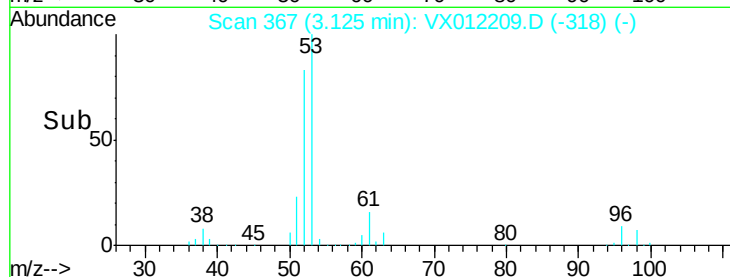
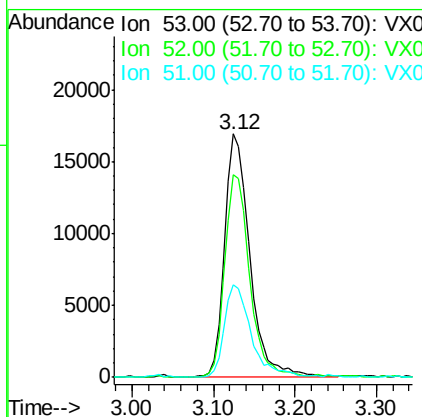
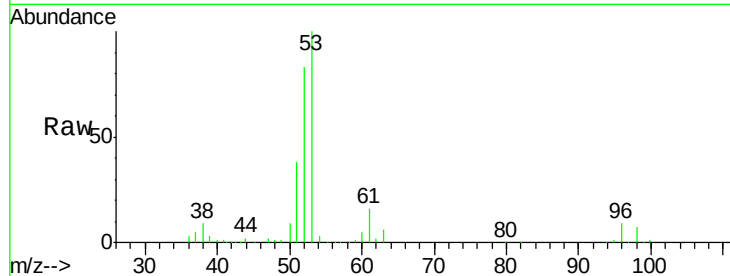
#15
 Acrylonitrile
 Concen: 86.110 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Tot Ion:	53	Resp:	36220
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.6	98.4
51	40.5	29.8	44.6

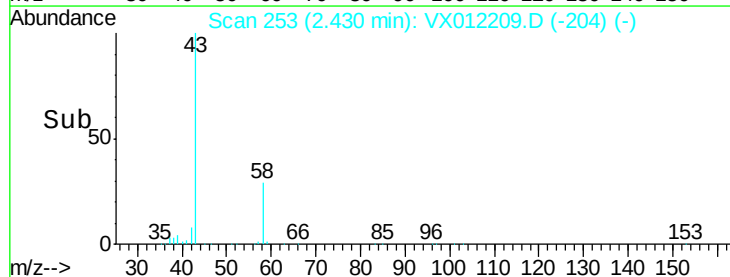
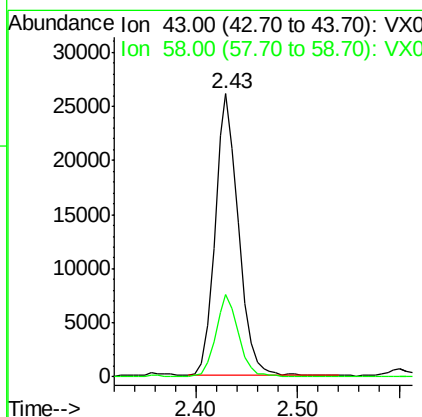
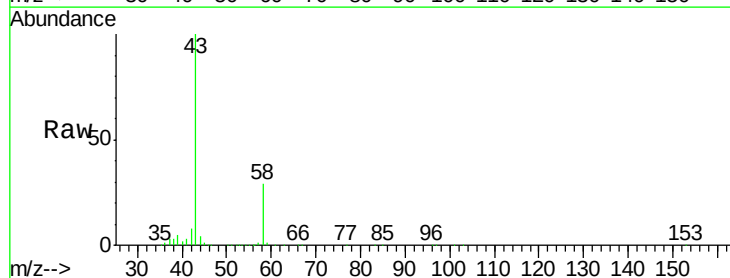
Manual Integrations
 APPROVED

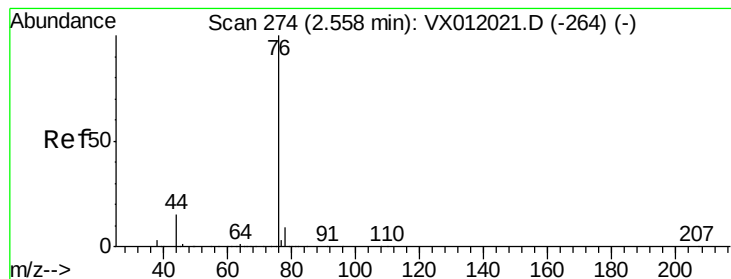
MMDadoda
 9/9/2019 9:23:54 AM



#16
 Acetone
 Concen: 90.038 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion:	43	Resp:	41678
Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.8	34.2





#17

Carbon Disulfide

Concen: 13.372 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 76 Resp: 54011

Ion Ratio Lower Upper

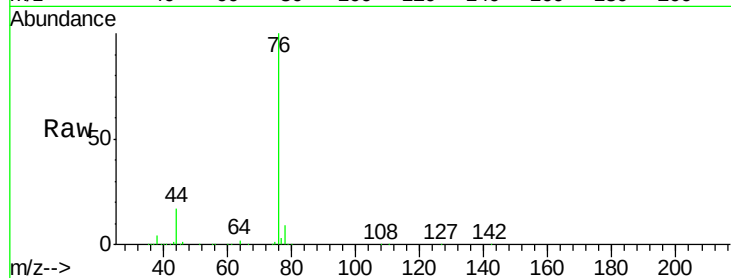
76 100

78 9.1 7.4 11.2

Manual Integrations
APPROVED

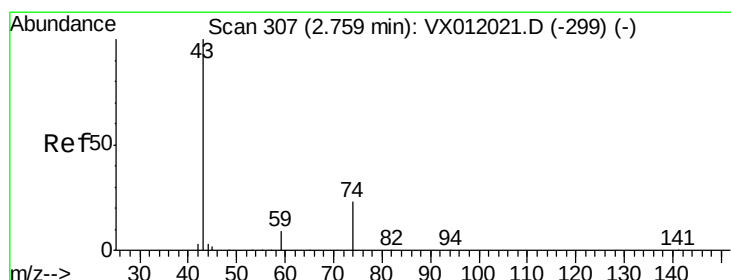
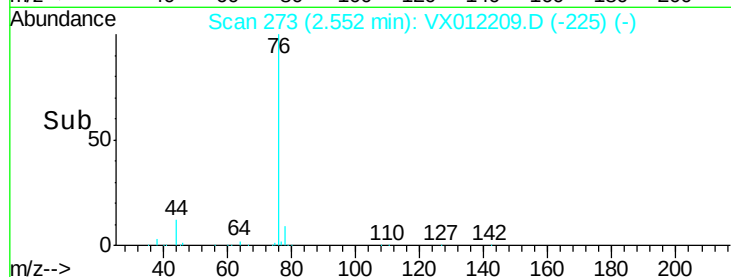
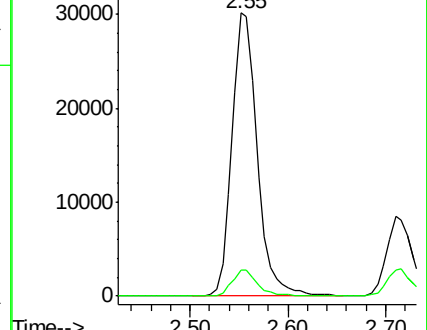
MMDadoda

9/9/2019 9:23:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 16.136 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012209.D

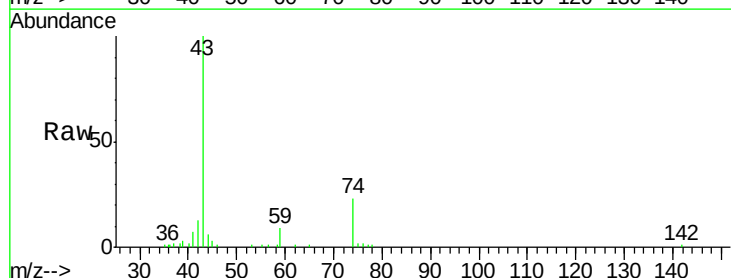
Acq: 08 Sep 2019 08:37

Tgt Ion: 43 Resp: 17596

Ion Ratio Lower Upper

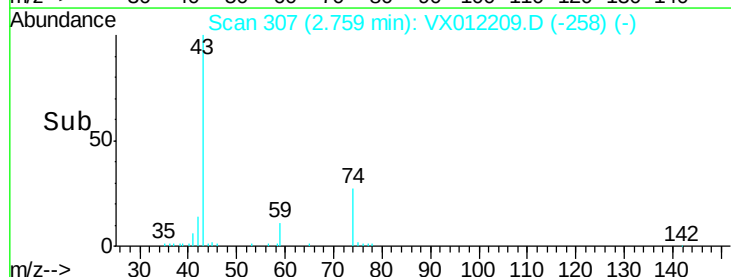
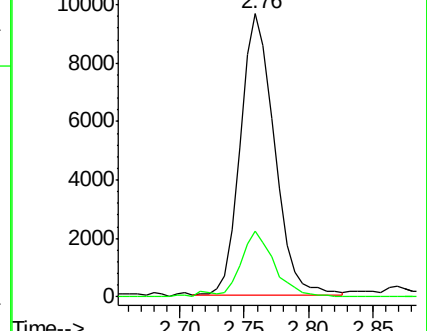
43 100

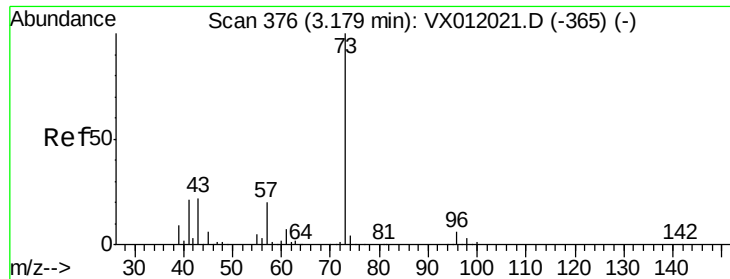
74 23.5 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





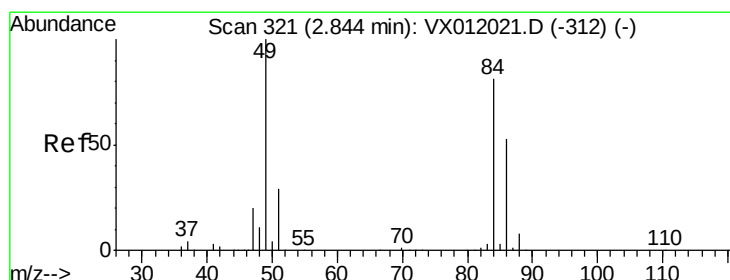
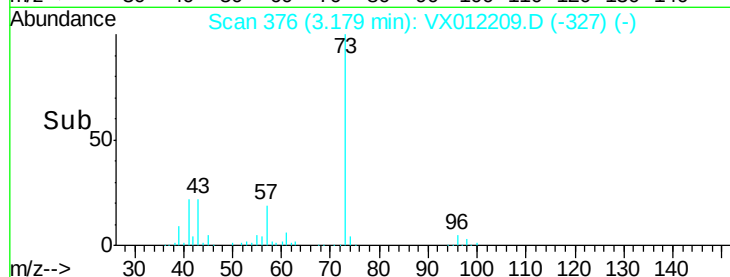
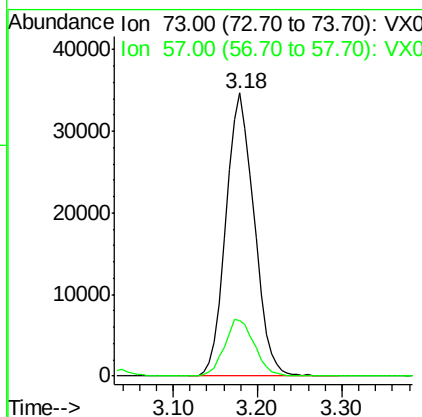
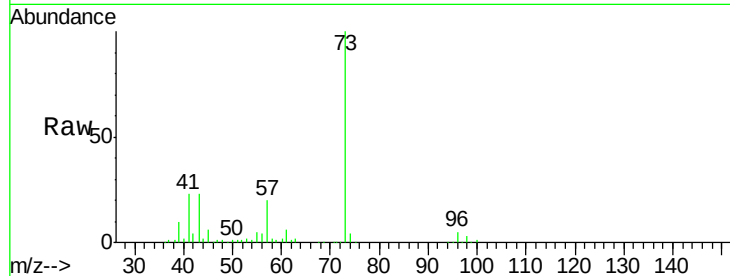
#19
Methyl tert-butyl Ether
Concen: 17.679 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion: 73 Resp: 79545
Ion Ratio Lower Upper
73 100
57 19.6 16.6 25.0

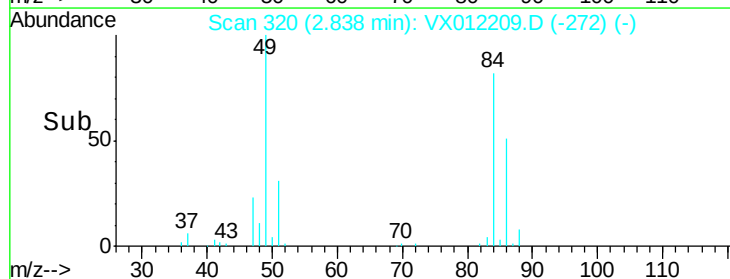
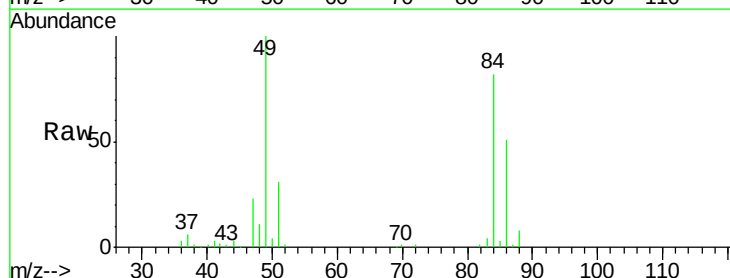
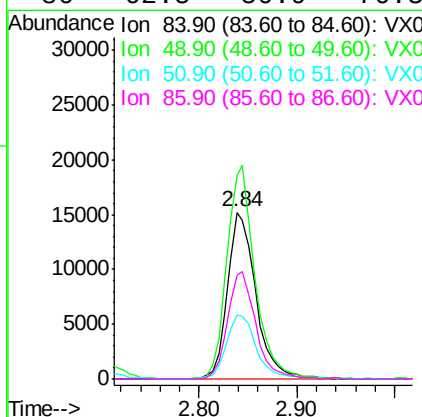
Manual Integrations
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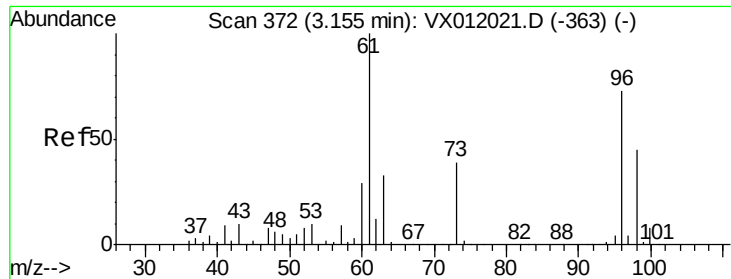
MMDadoda
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#20
Methylene Chloride
Concen: 16.488 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion: 84 Resp: 30649
Ion Ratio Lower Upper
84 100
49 121.7 95.8 143.8
51 38.1 28.6 43.0
86 62.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 17.536 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 96 Resp: 28440

Ion Ratio Lower Upper

96 100

61 146.7 107.0 160.6

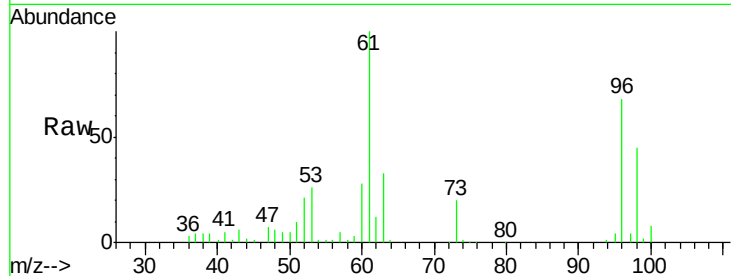
98 66.6 49.8 74.6

Manual Integrations

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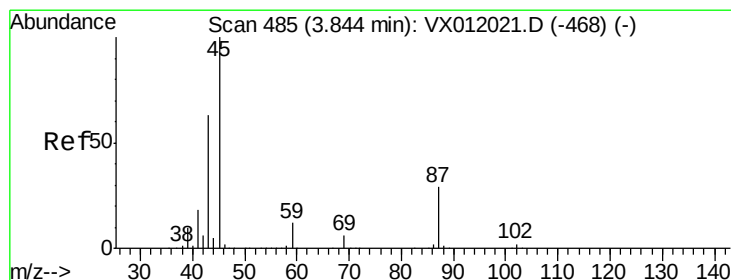
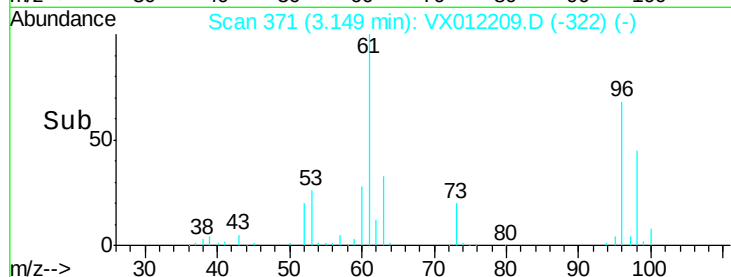
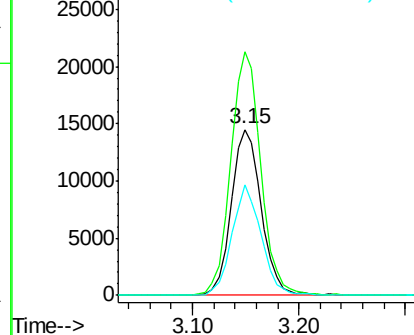
9/9/2019 9:23:54 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.835 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion: 45 Resp: 96005

Ion Ratio Lower Upper

45 100

43 60.8 54.2 81.4

87 27.5 23.4 35.0

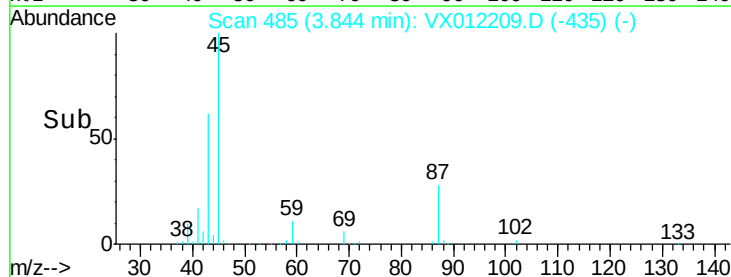
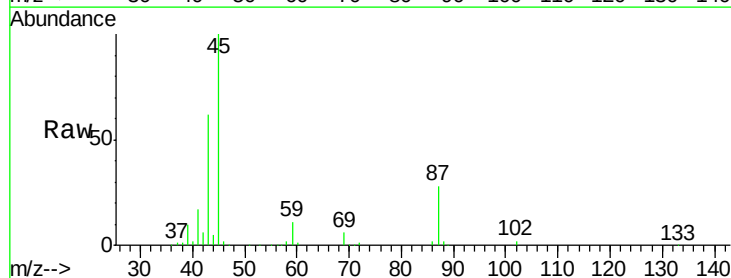
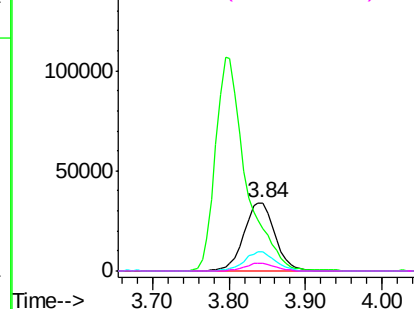
59 11.4 9.0 13.6

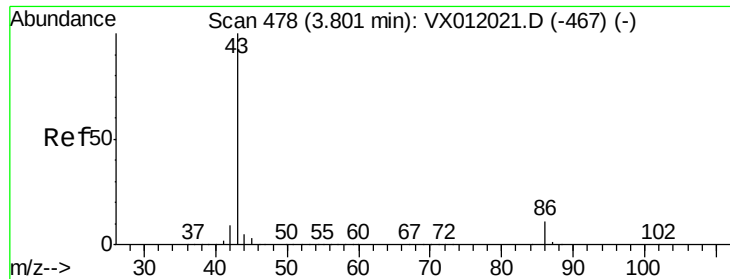
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 89.368 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 43 Resp: 294680

Ion Ratio Lower Upper

43 100

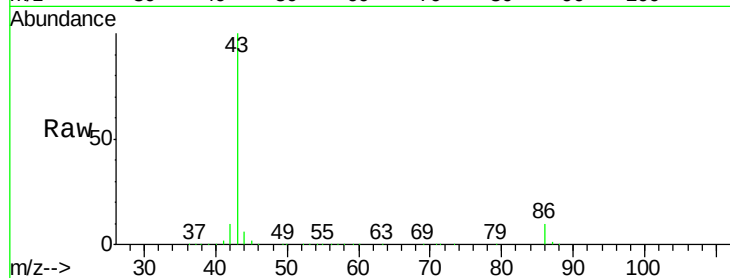
86 9.8 9.0 13.6

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

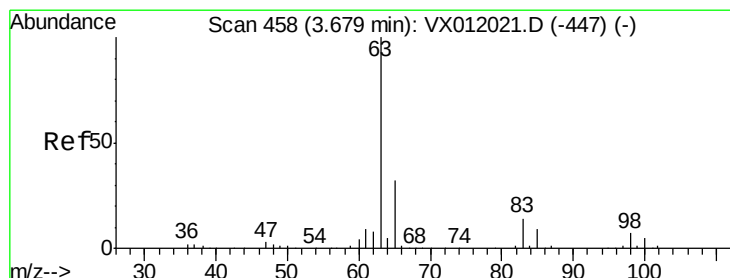
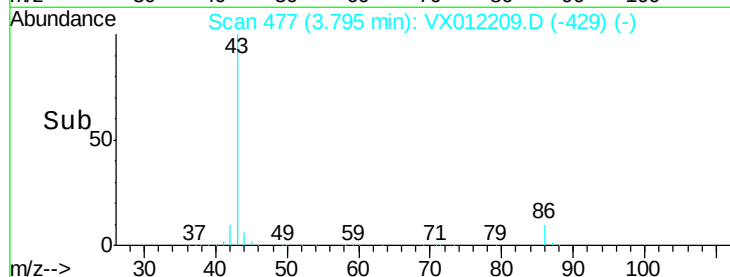
40000

20000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.688 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

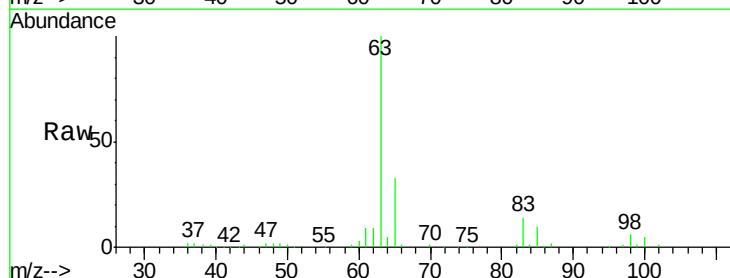
Tgt Ion: 63 Resp: 55246

Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.7

100 4.7 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

30000

25000

20000

15000

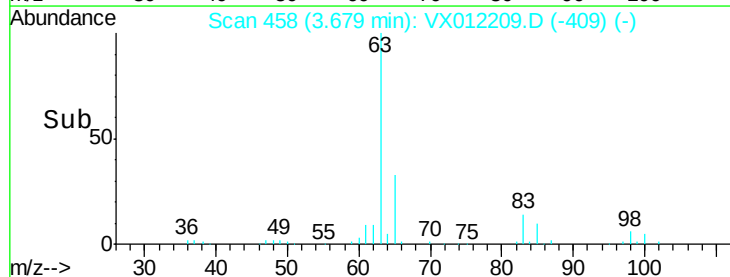
10000

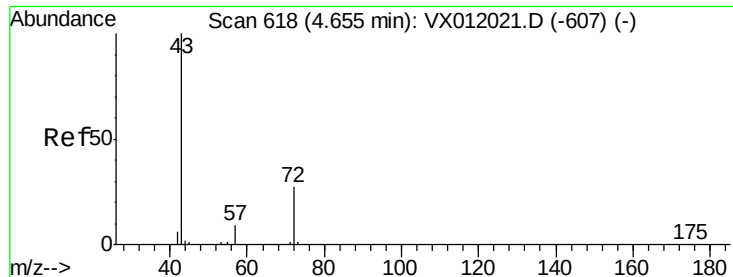
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 88.385 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 43 Resp: 52079

Ion Ratio Lower Upper

43 100

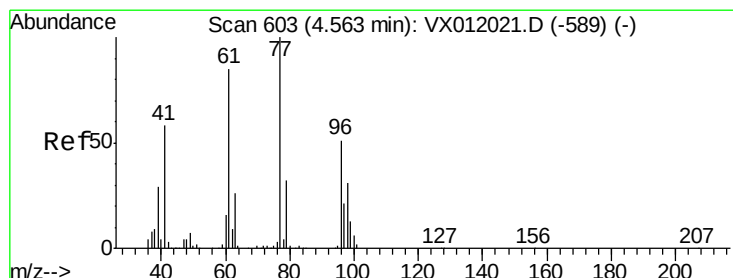
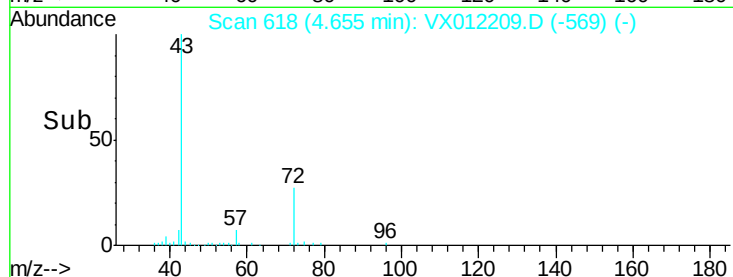
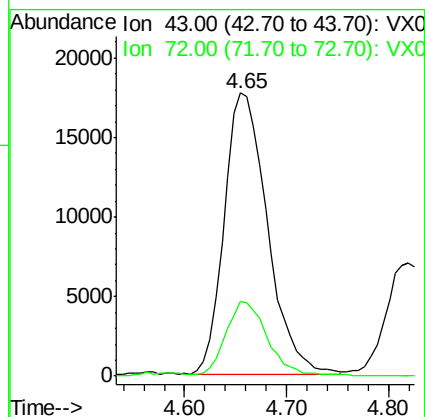
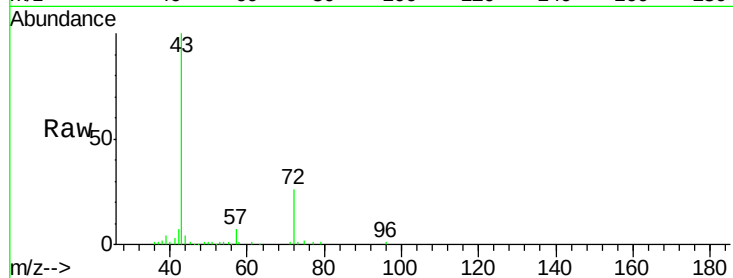
72 26.0 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

9/9/2019 9:23:54 AM



#26

2,2-Dichloropropane

Concen: 20.826 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012209.D

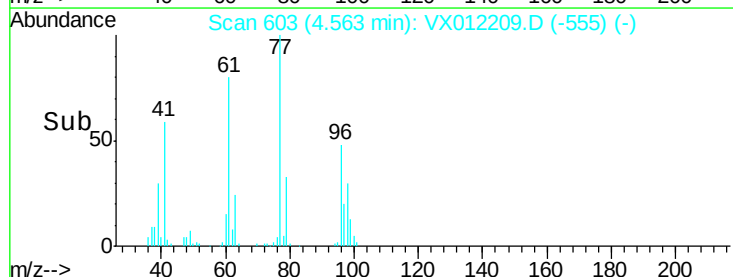
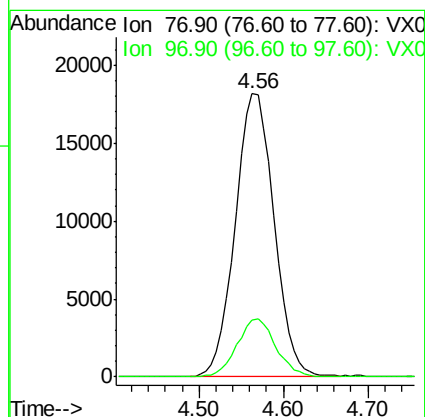
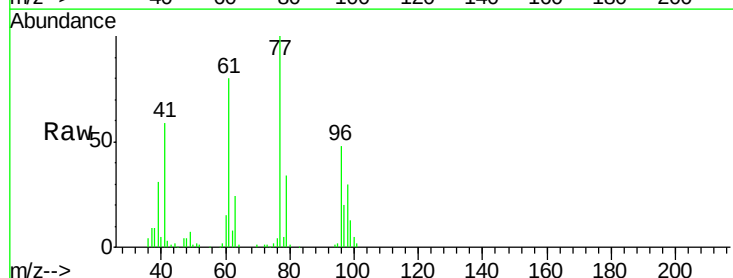
Acq: 08 Sep 2019 08:37

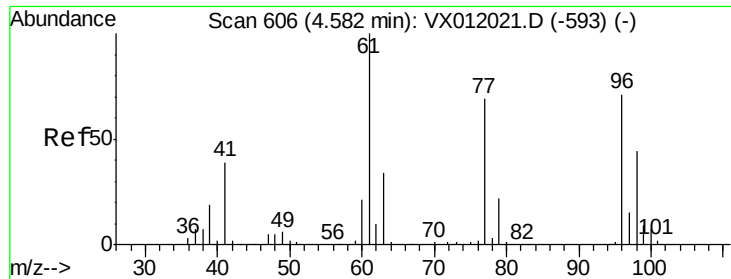
Tgt Ion: 77 Resp: 56843

Ion Ratio Lower Upper

77 100

97 20.5 11.5 34.5





#27

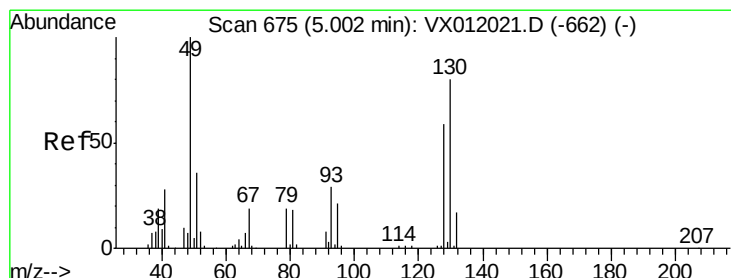
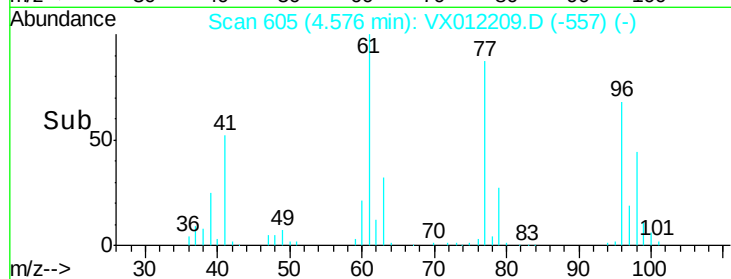
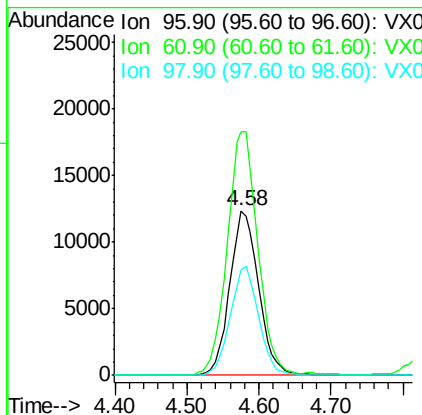
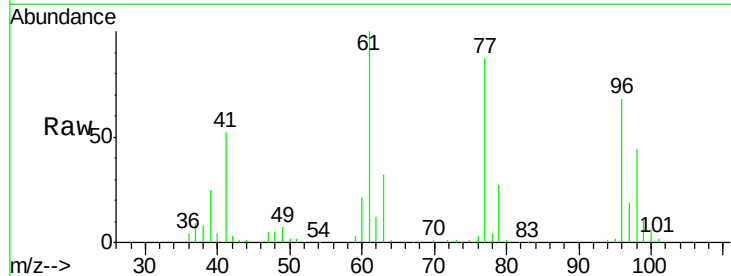
cis-1,2-Dichloroethene
 Concen: 18.079 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	0.0	277.0
98	64.7	0.0	128.4

Manual Integrations
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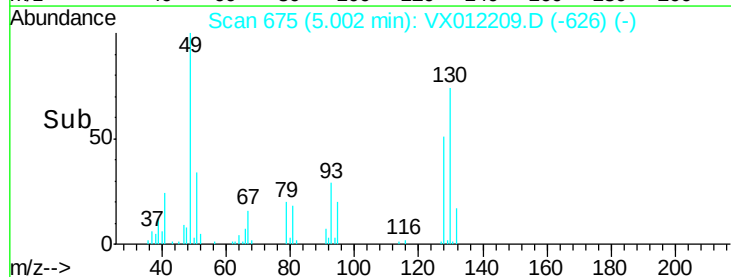
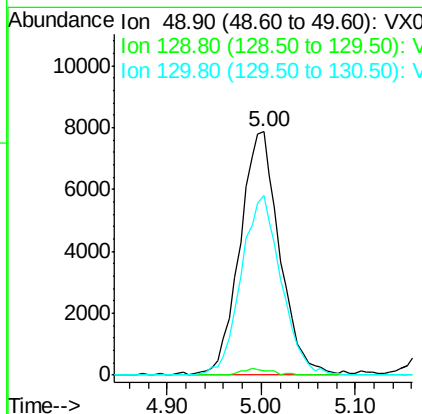
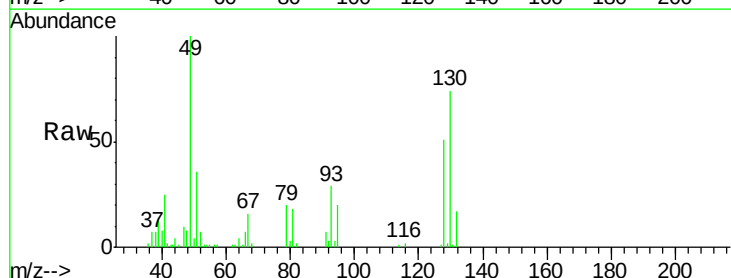
MMDadoda
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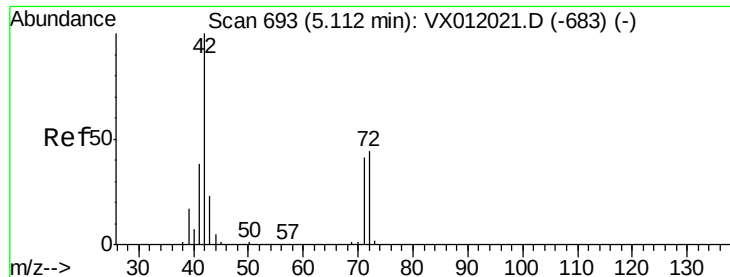


#28

Bromochloromethane
 Concen: 19.698 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	5.6
130	74.3	76.7	115.1#





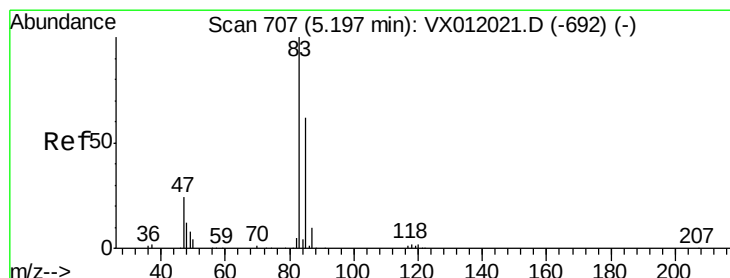
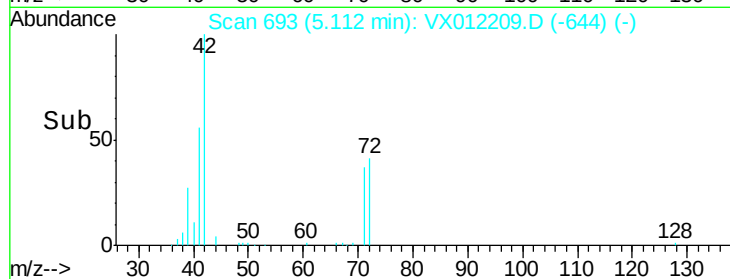
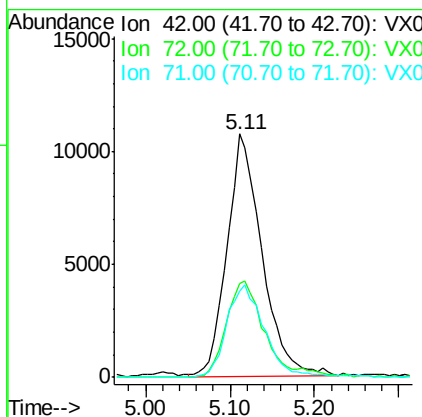
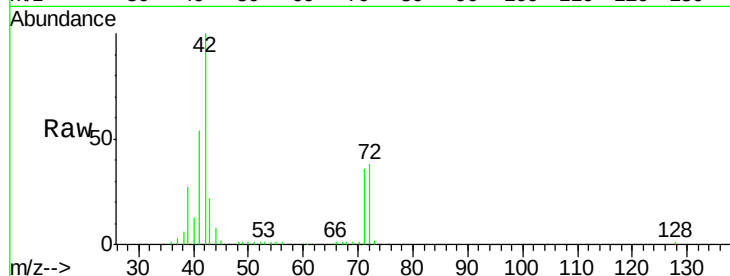
#29
Tetrahydrofuran
Concen: 84.944 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	37.0	55.4
71	41.1	33.8	50.8

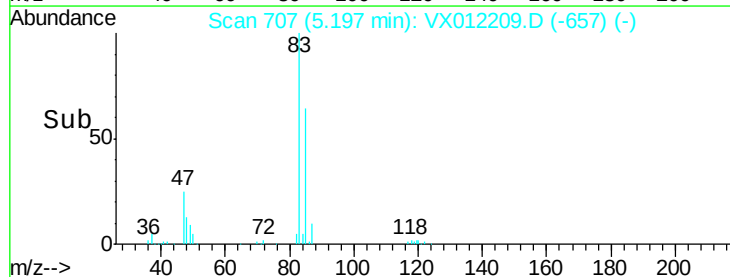
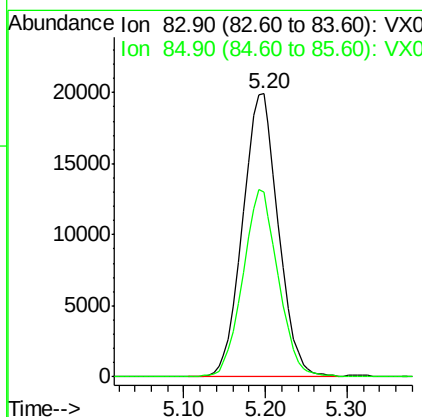
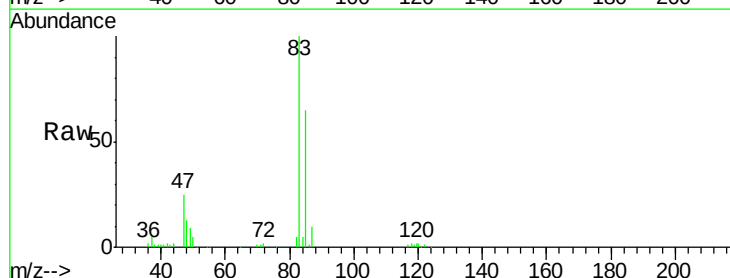
Manual Integrations
APPROVED

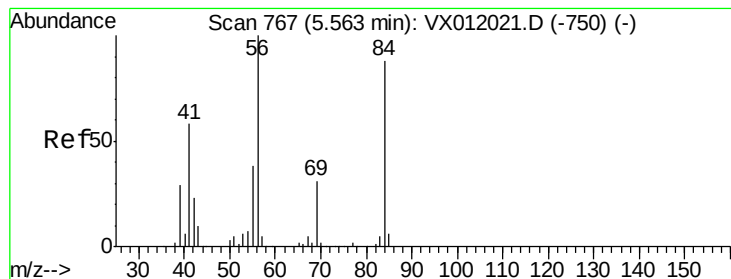
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#30
Chloroform
Concen: 19.088 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	78.8





#31

Cyclohexane

Concen: 19.008 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

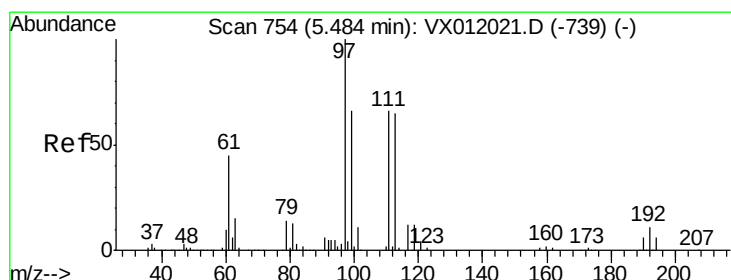
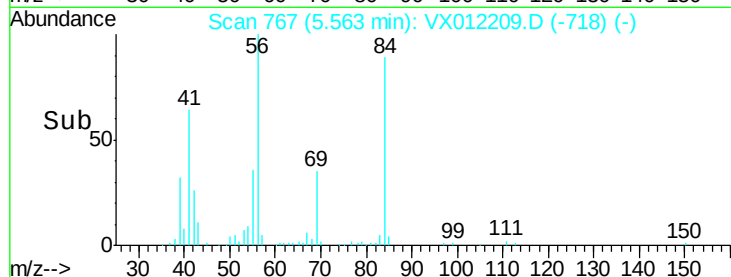
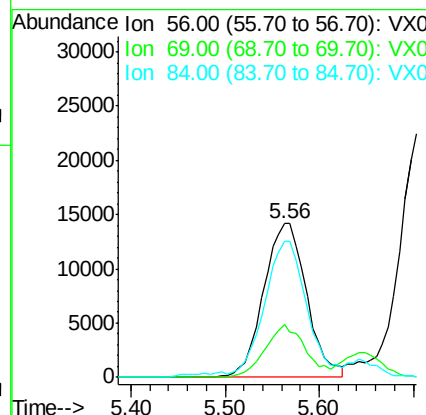
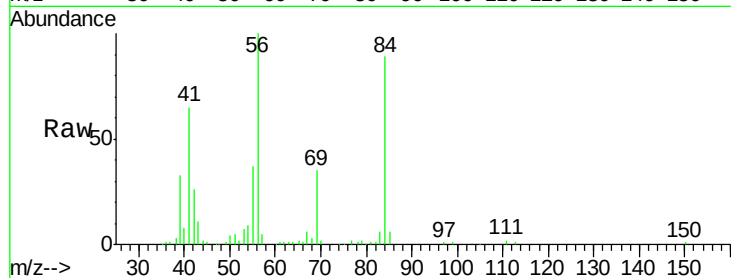
ClientSampleId :

VX0907SBS03

Tot Ion:	56	Resp:	45130
Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.7	38.5
84	86.7	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.693 ug/l

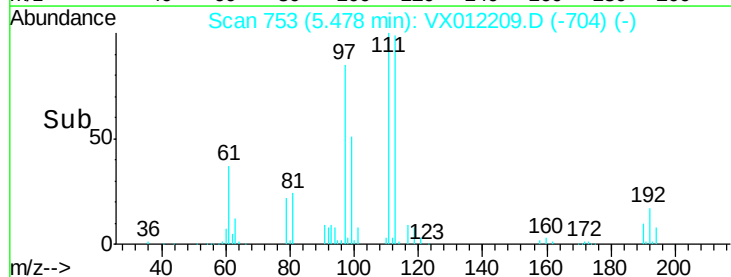
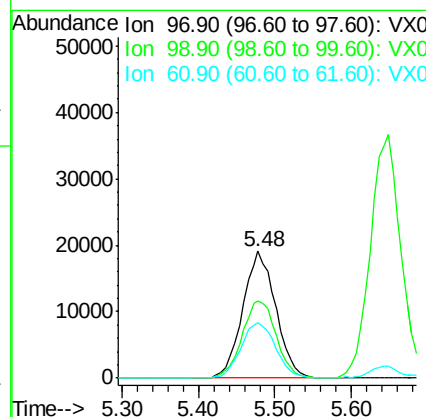
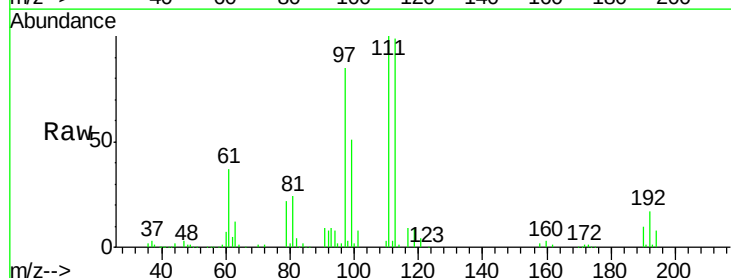
RT: 5.48 min Scan# 753

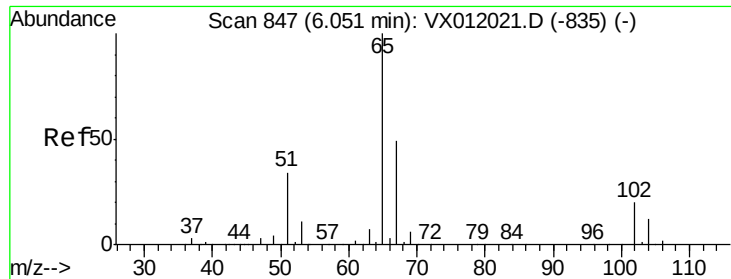
Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion:	97	Resp:	57169
Ion	Ratio	Lower	Upper
97	100		
99	62.6	52.1	78.1
61	46.1	32.8	49.2





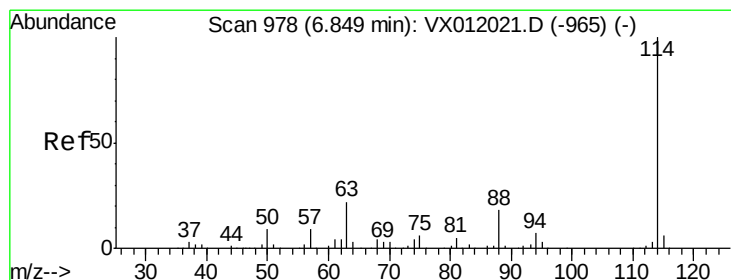
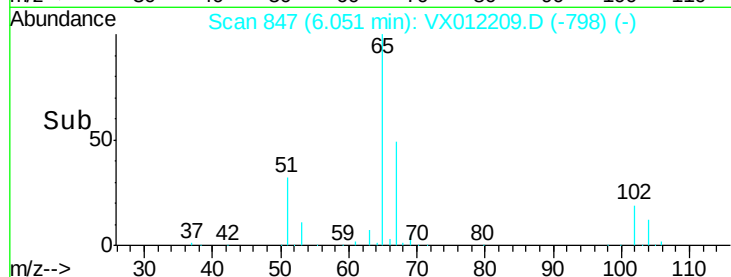
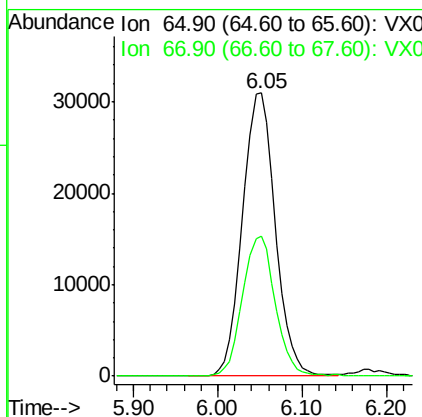
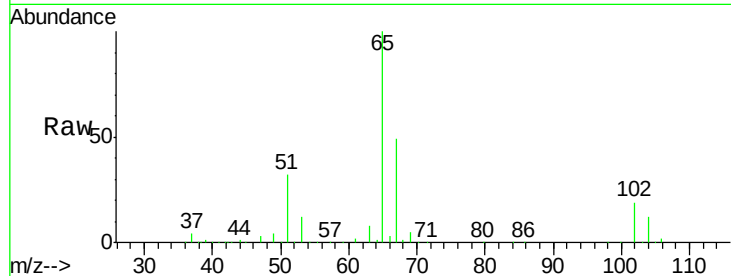
#33
 1,2-Dichloroethane-d4
 Concen: 42.236 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	81796		
67	49.1	0.0	102.0	

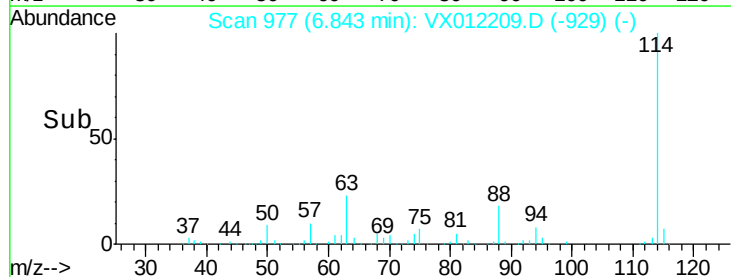
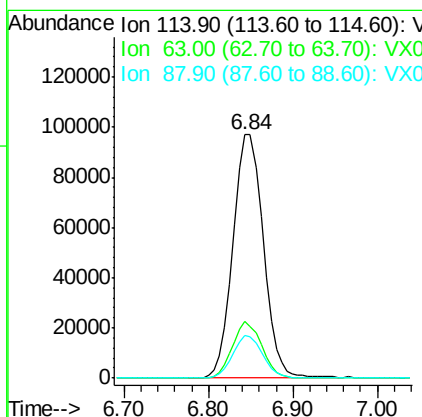
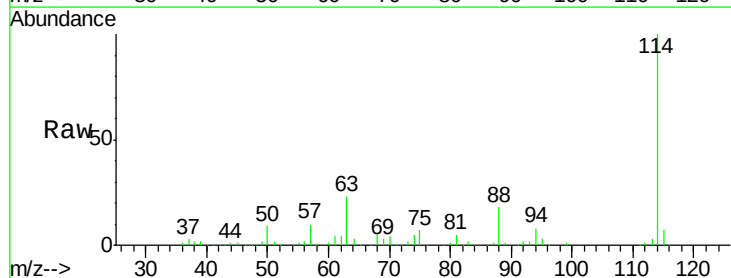
Manual Integrations
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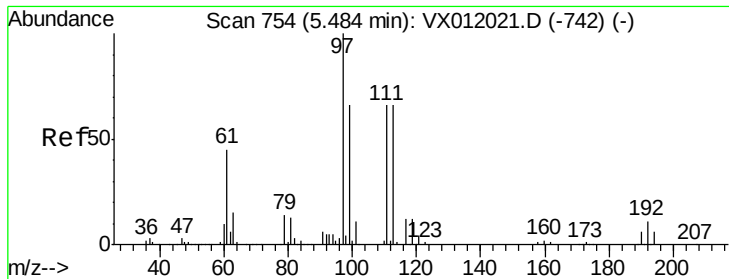
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	237380		
63	23.2	0.0	37.4	
88	17.7	0.0	29.6	





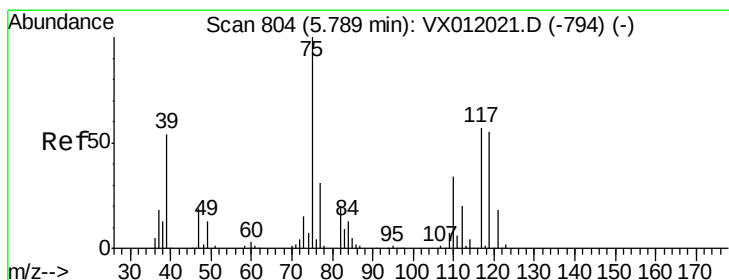
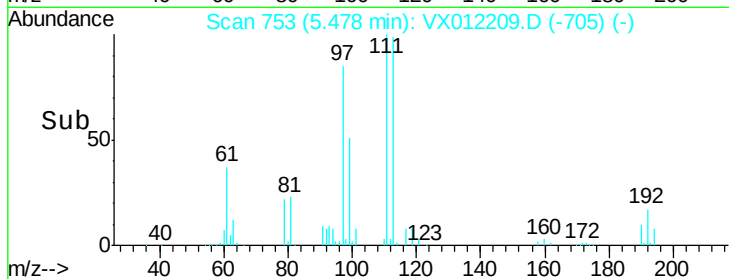
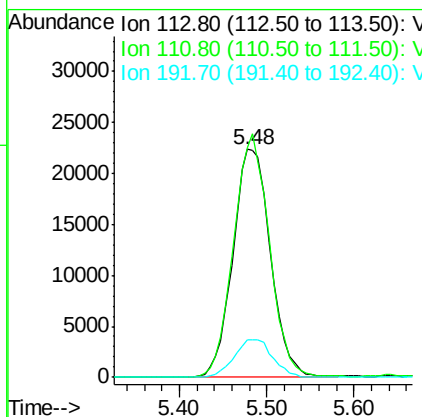
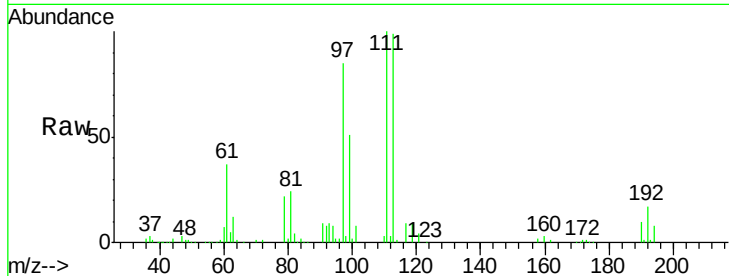
#35
 Dibromofluoromethane
 Concen: 45.737 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.7	122.5
192	16.8	22.5	33.7

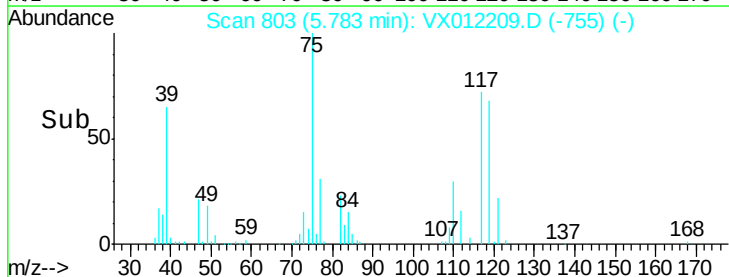
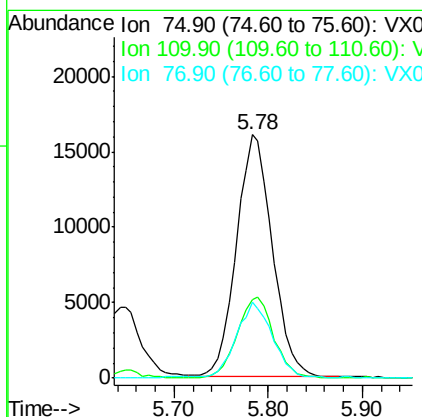
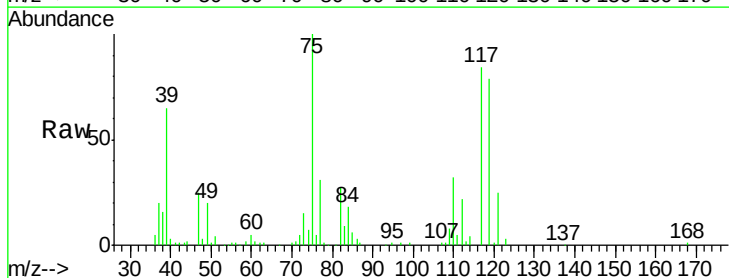
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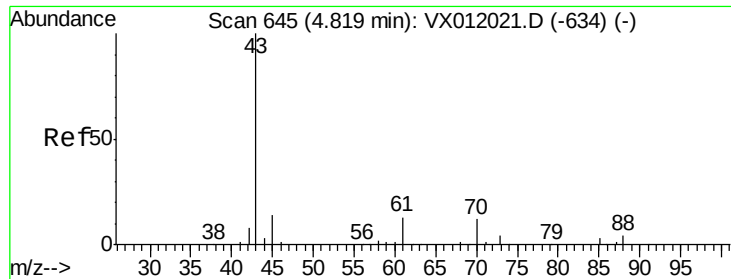
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#36
 1,1-Dichloropropene
 Concen: 20.431 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	19.5	58.5
77	31.7	24.6	37.0





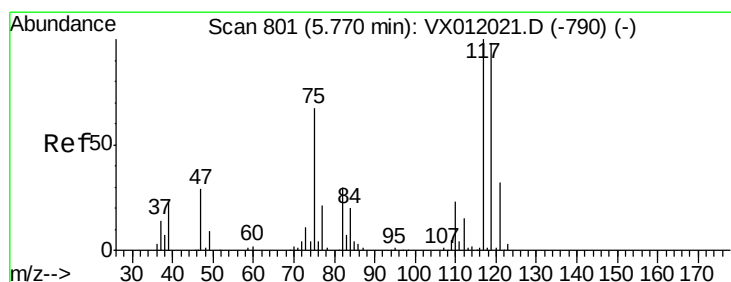
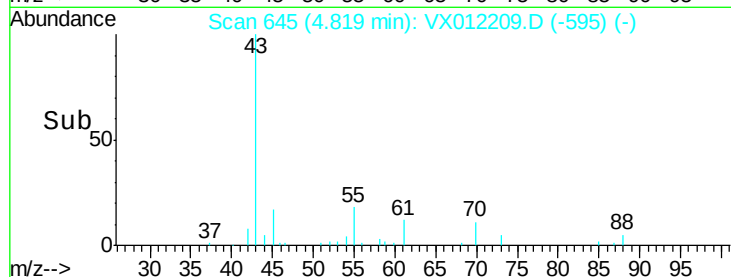
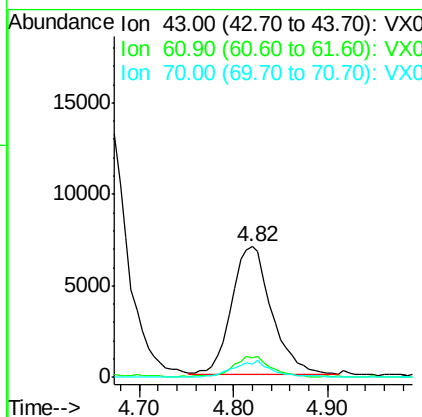
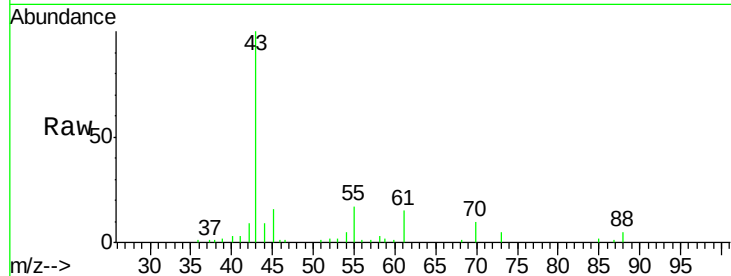
#37
Ethyl Acetate
Concen: 18.075 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	43	Resp	20550
Ion	Ratio	Lower	Upper
43	100		
61	15.8	10.9	16.3
70	12.6	9.4	14.0

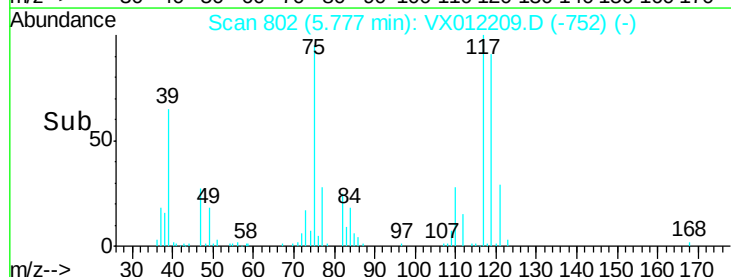
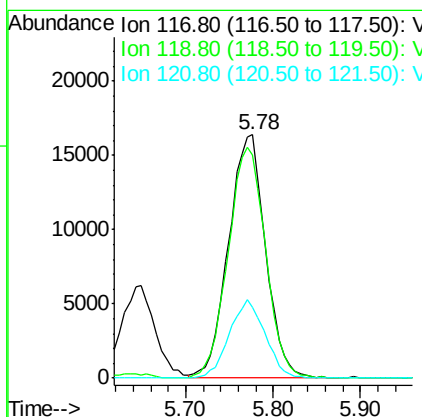
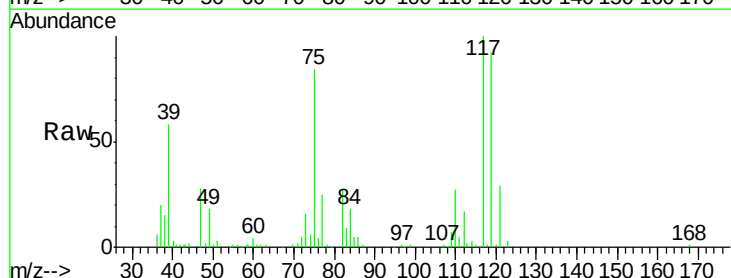
Manual Integrations
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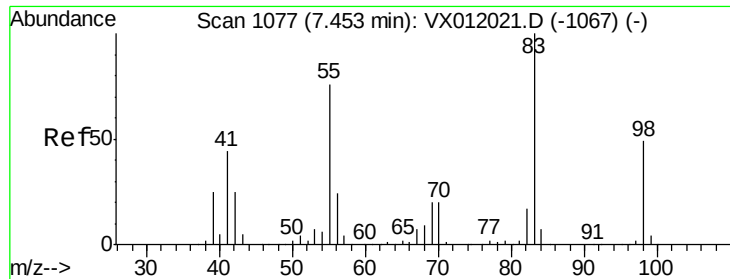
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#38
Carbon Tetrachloride
Concen: 21.871 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.01 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	117	Resp	48182
Ion	Ratio	Lower	Upper
117	100		
119	91.5	78.3	117.5
121	29.0	24.2	36.2





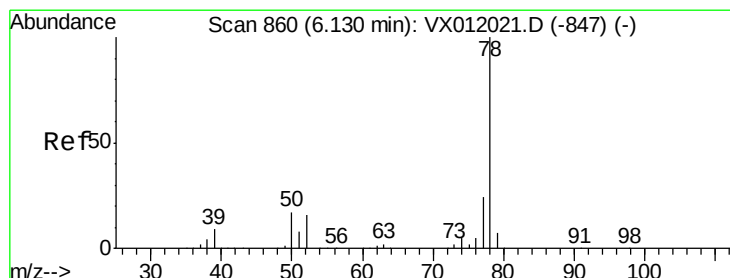
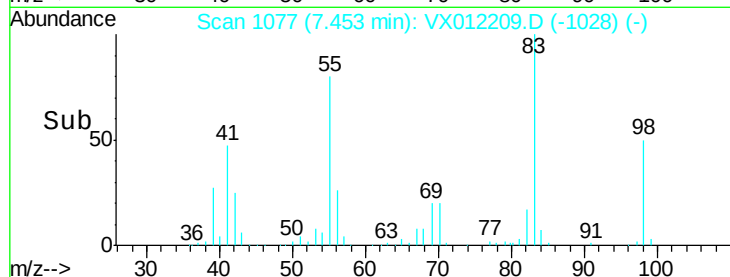
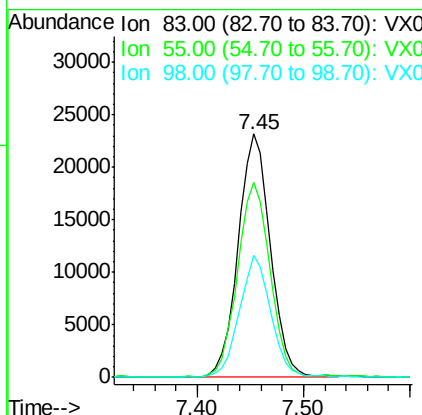
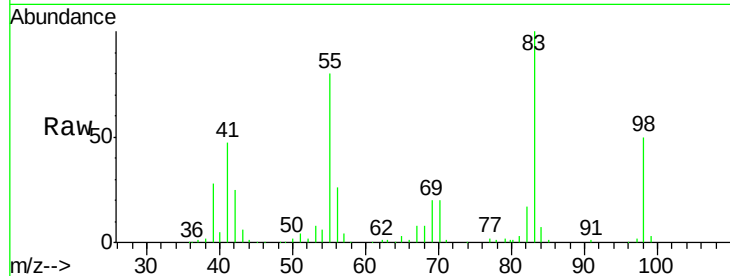
#39
Methylvlcyclohexane
Concen: 20.404 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	59.6	89.4
98	50.0	41.4	62.0

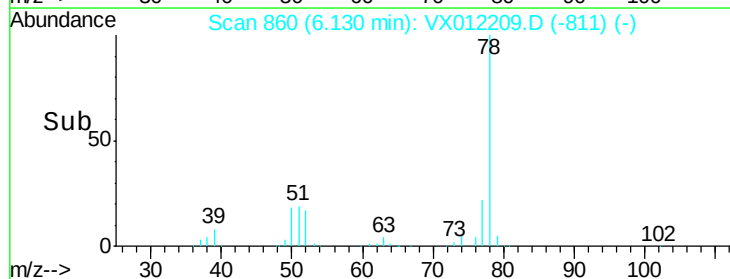
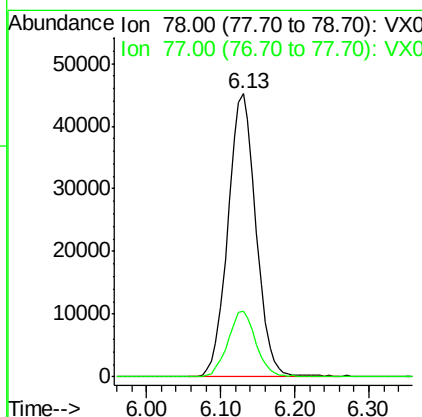
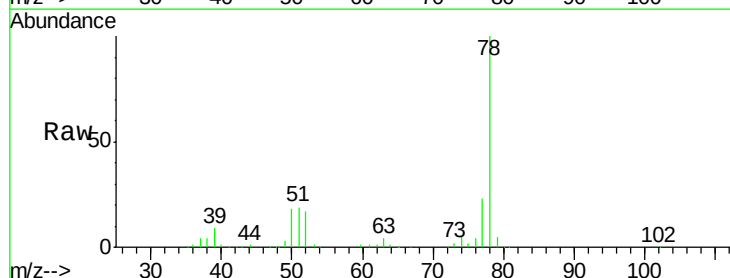
Manual Integrations
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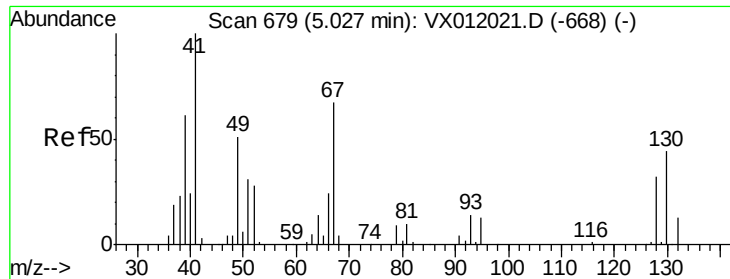
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#40
Benzene
Concen: 19.887 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.3	28.9





#41

Methacrylonitrile

Concen: 18.743 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 41 Resp: 12708

Ion Ratio Lower Upper

41 100

39 59.7 46.7 70.1

67 68.1 57.0 85.6

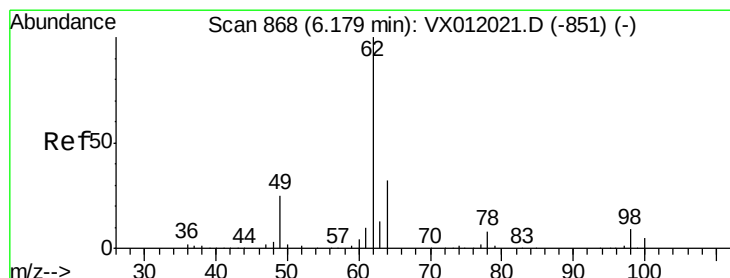
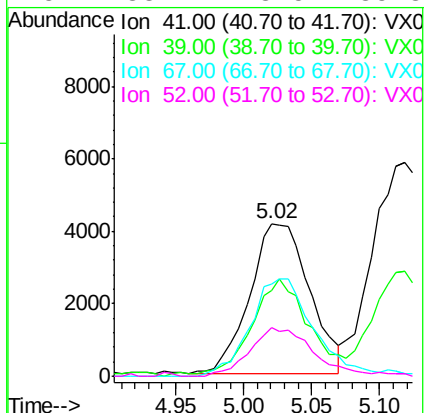
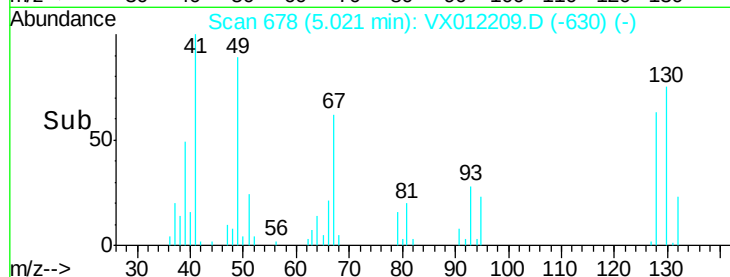
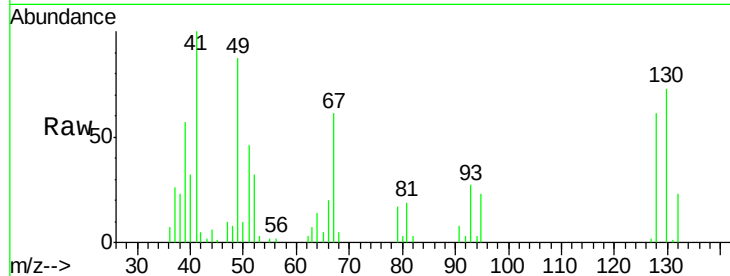
52 33.4 23.5 35.3

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.985 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012209.D

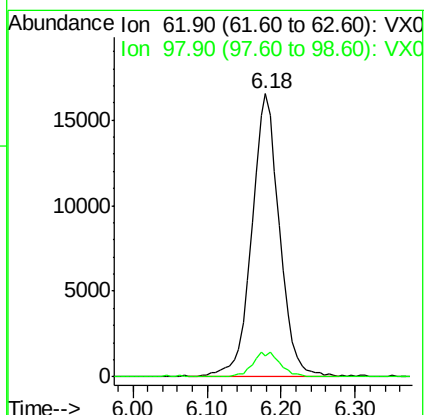
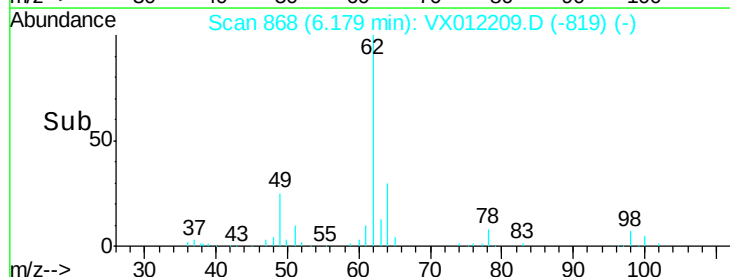
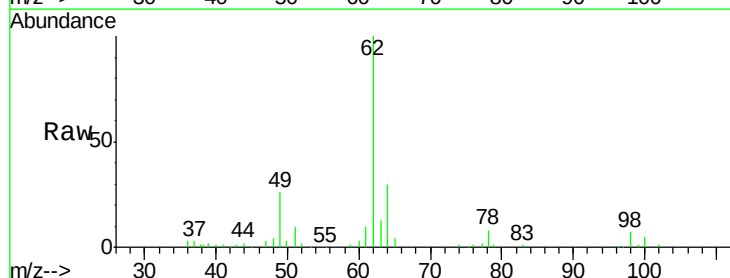
Acq: 08 Sep 2019 08:37

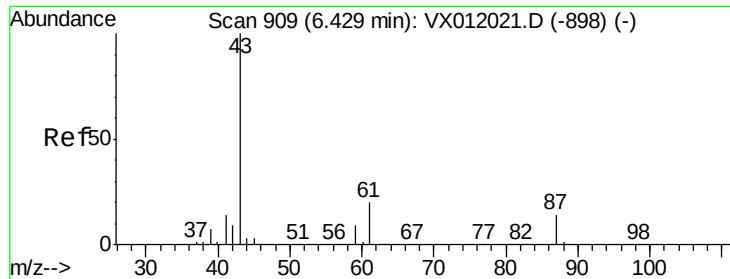
Tgt Ion: 62 Resp: 43167

Ion Ratio Lower Upper

62 100

98 8.6 0.0 19.2





#43

Isopropyl Acetate

Concen: 18.353 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

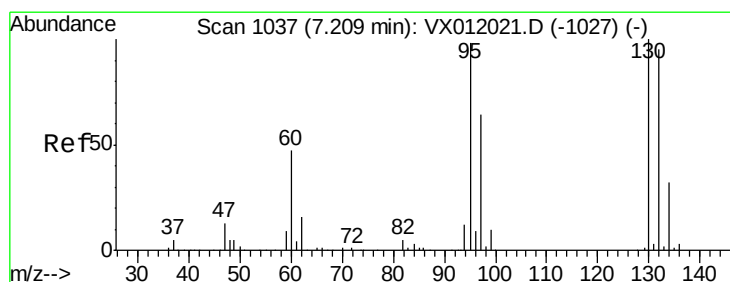
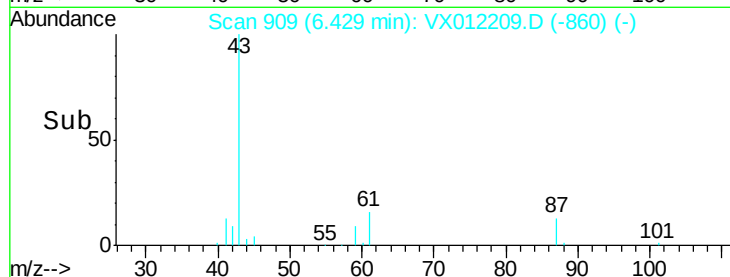
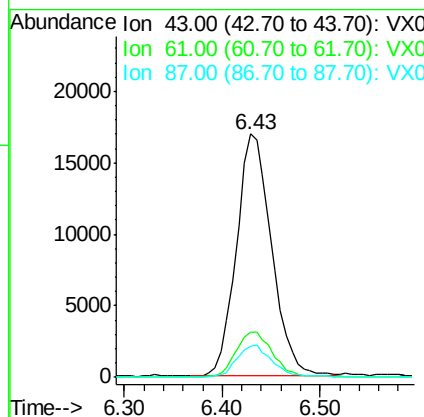
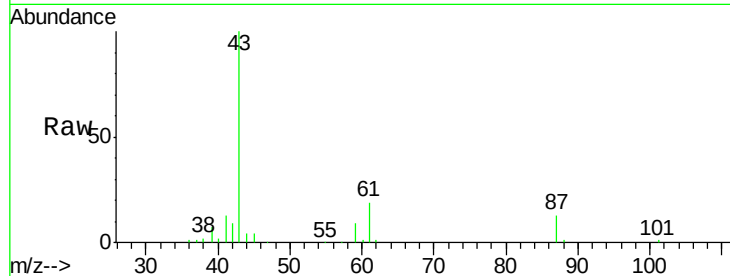
ClientSampleId :

VX0907SBS03

Tot Ion:	43	Resp:	42426
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.5	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 20.102 ug/l

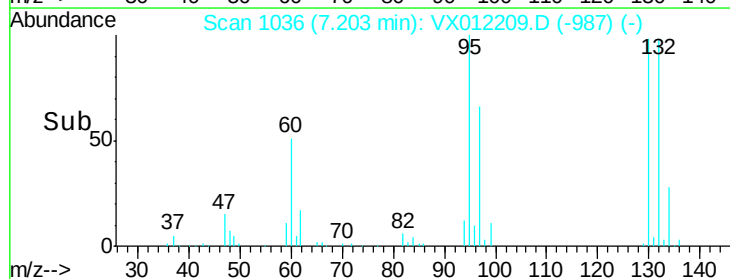
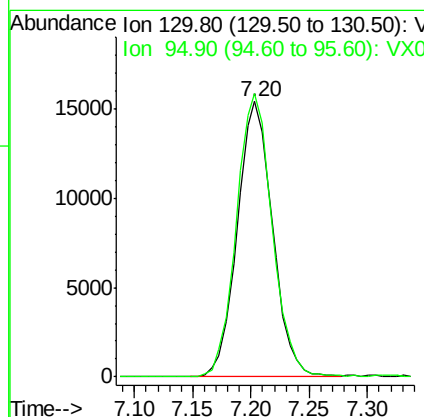
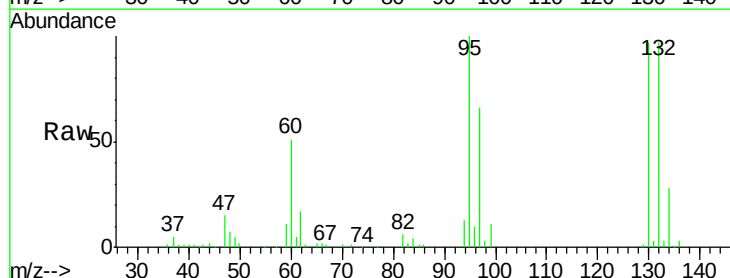
RT: 7.20 min Scan# 1036

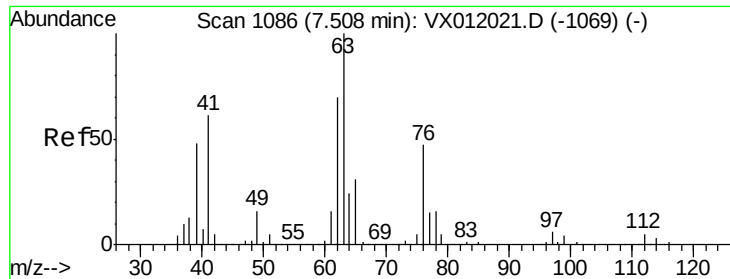
Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion:	130	Resp:	32543
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	176.4





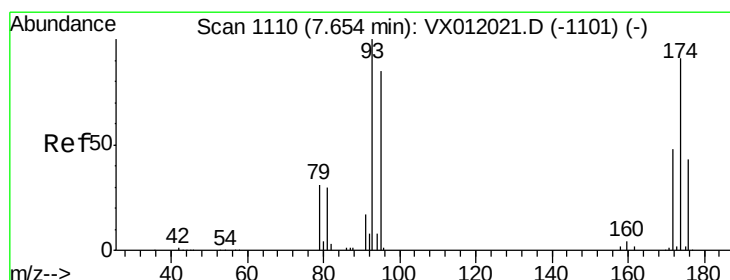
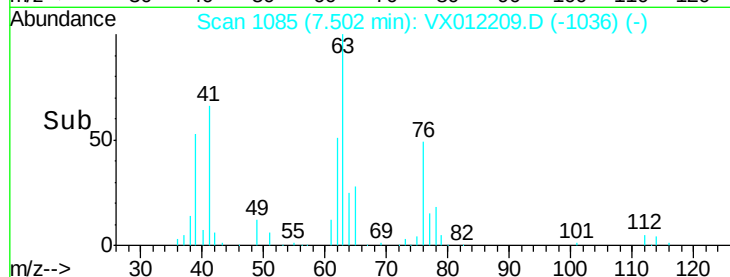
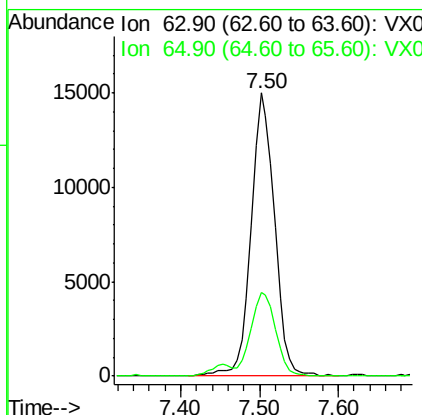
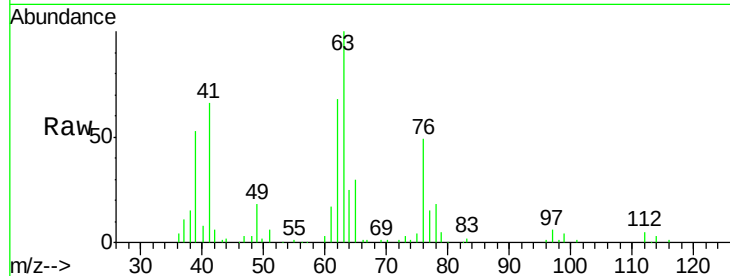
#45
 1,2-Dichloropropane
 Concen: 20.017 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0907SBS03

Tot Ion: 63 Resp: 31040
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.0 37.6

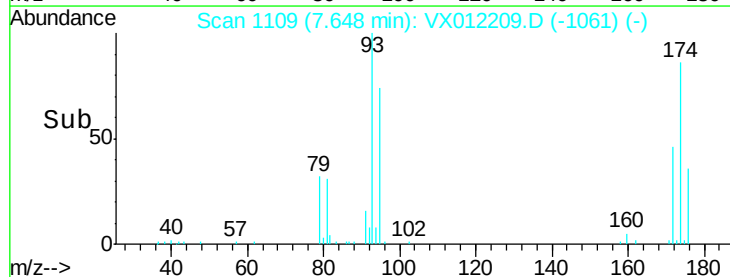
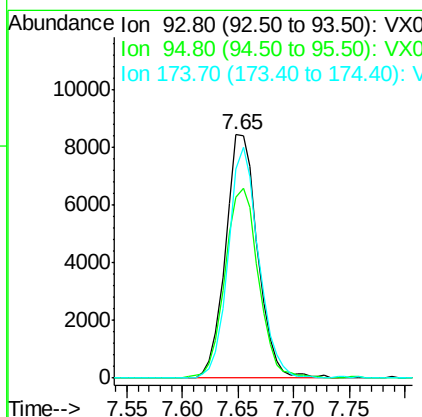
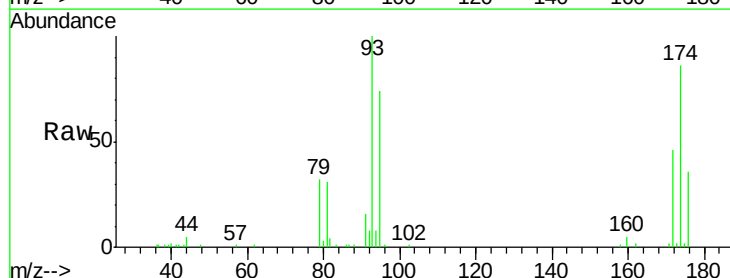
Manual Integrations
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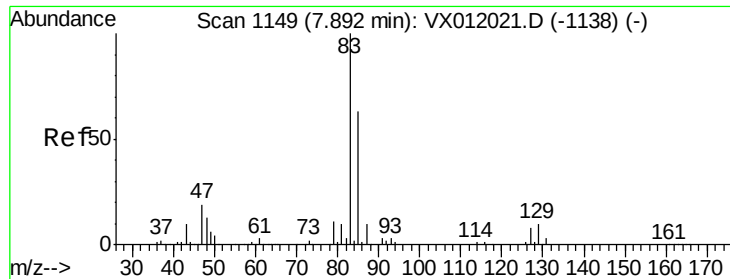
MMDadoda
 9/9/2019 9:23:54 AM



#46
 Dibromomethane
 Concen: 18.616 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion: 93 Resp: 16852
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.2
 174 90.0 110.2 165.4#





#47

Bromodichloromethane

Concen: 19.604 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

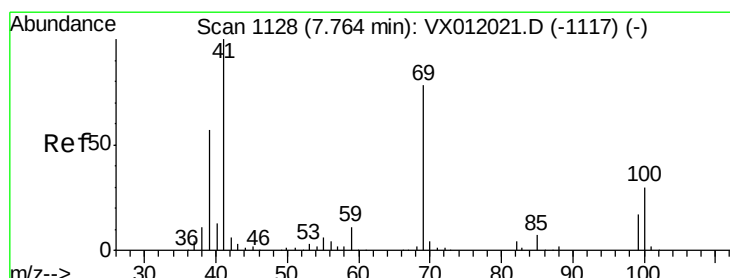
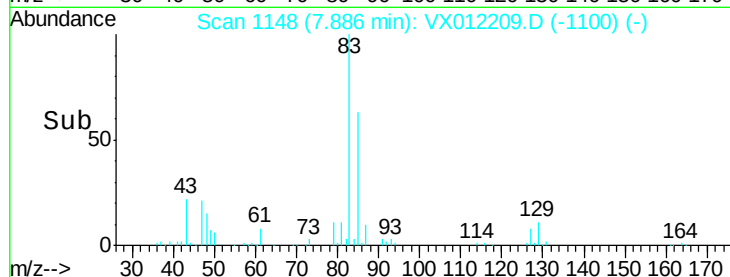
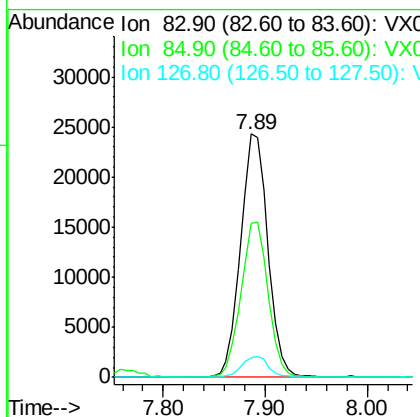
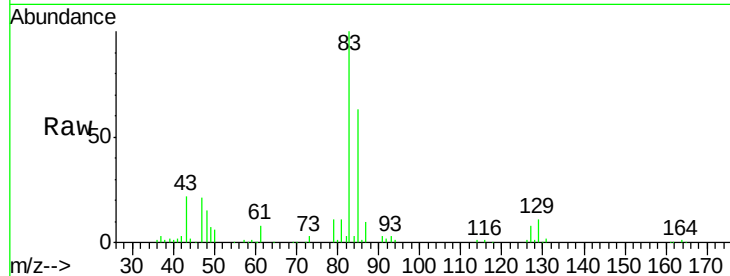
ClientSampleId :

VX0907SBS03

Tot Ion:	83	Resp:	45110
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.3	75.5
127	7.8	8.1	12.1#

Manual Integrations
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9/9/2019 9:23:54 AM



#48

Methyl methacrylate

Concen: 17.582 ug/l

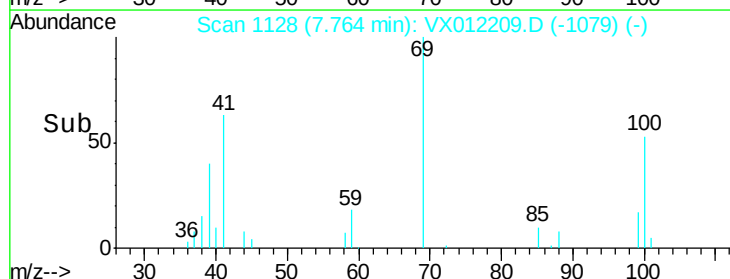
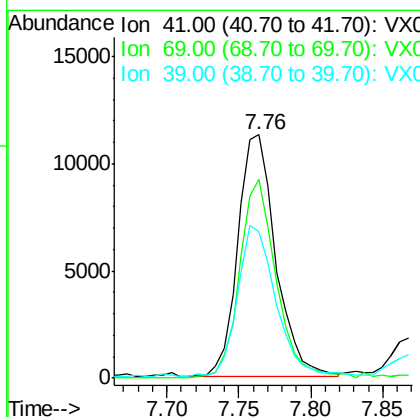
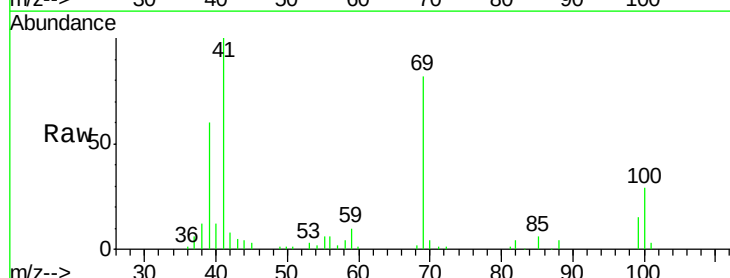
RT: 7.76 min Scan# 1128

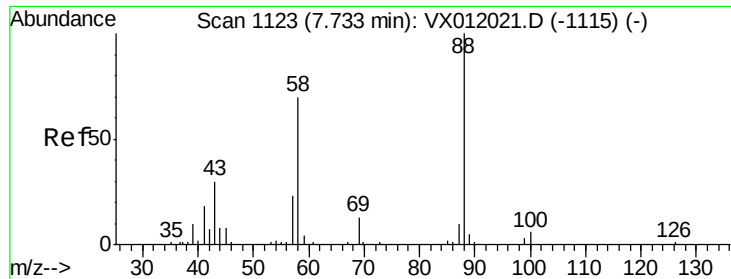
Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion:	41	Resp:	20437
Ion	Ratio	Lower	Upper
41	100		
69	80.0	66.3	99.5
39	63.1	48.1	72.1





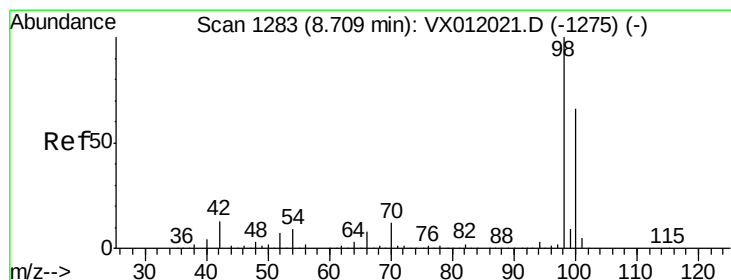
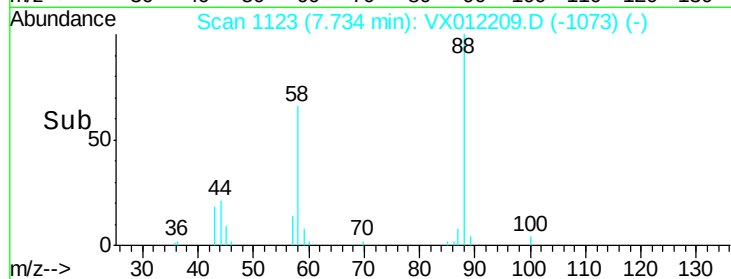
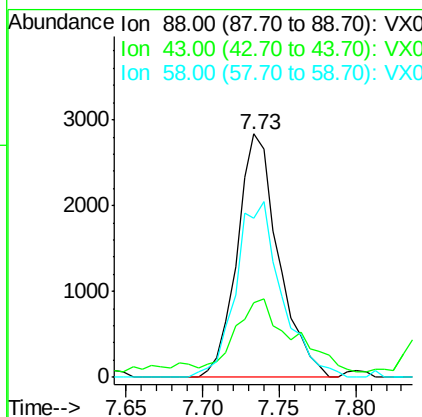
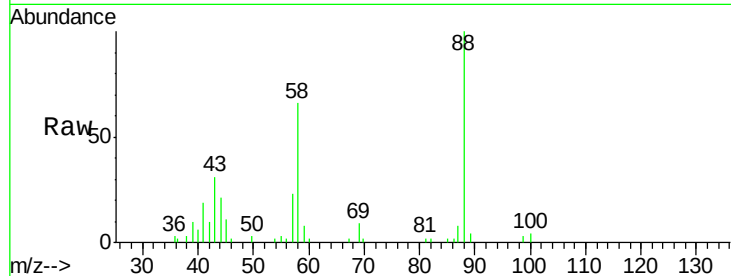
#49
1,4-Dioxane
Concen: 335.934 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	29.8	44.6
58	79.9	55.4	83.2

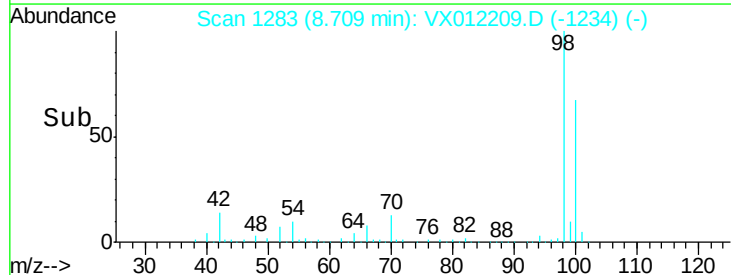
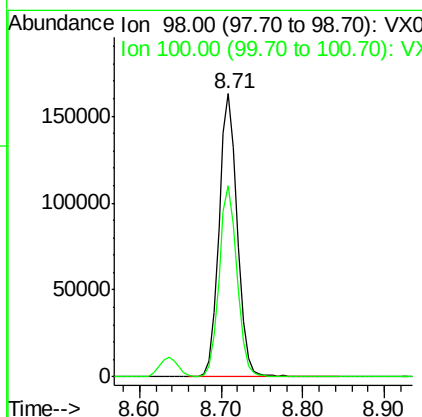
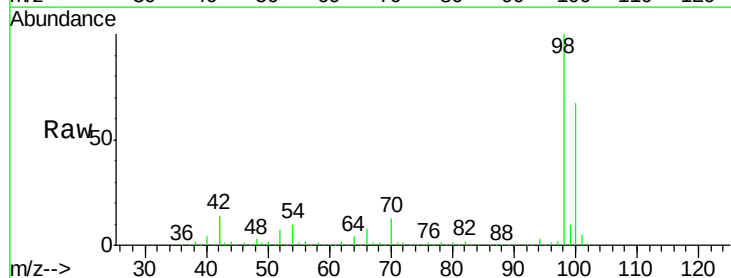
Manual Integrations
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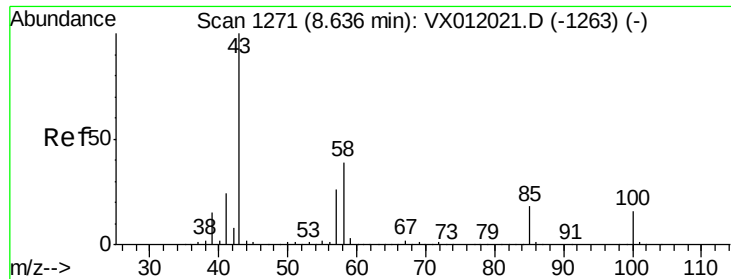
MMDadoda
9/9/2019 9:23:54 AM



#50
Toluene-d8
Concen: 47.689 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 93.535 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 43 Resp: 109981

Ion Ratio Lower Upper

43 100

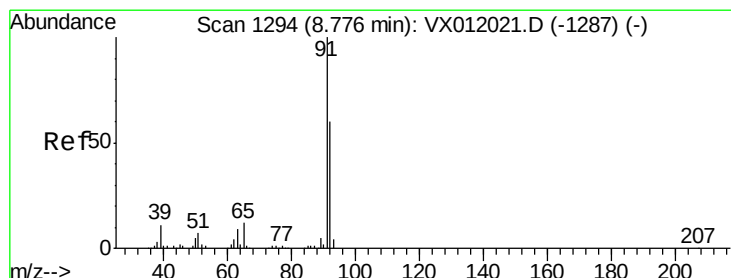
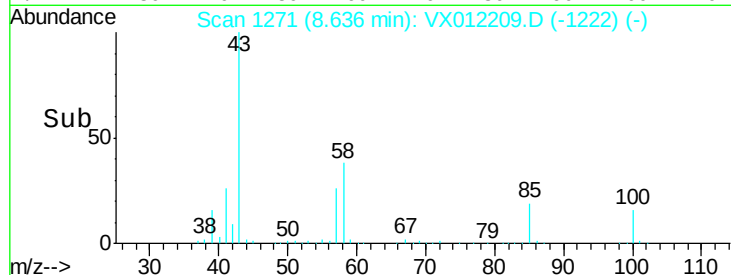
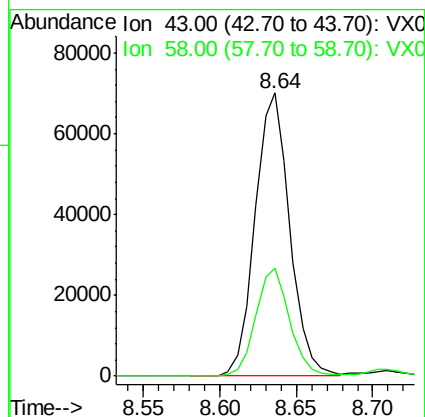
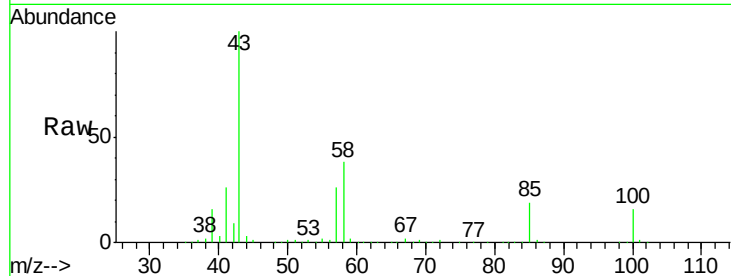
58 37.3 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 19.740 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012209.D

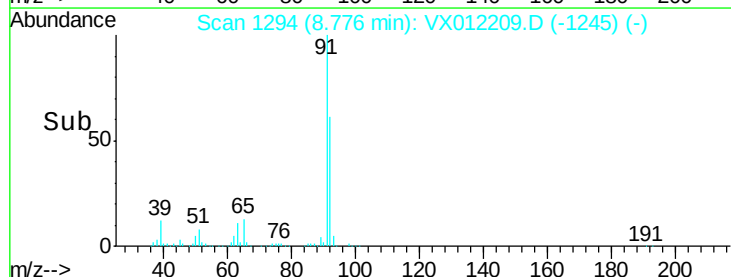
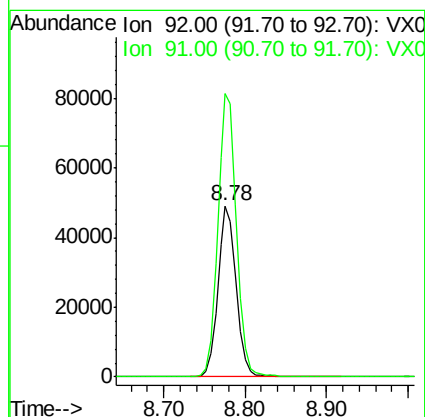
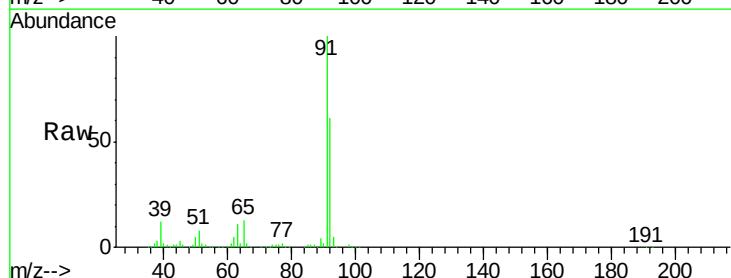
Acq: 08 Sep 2019 08:37

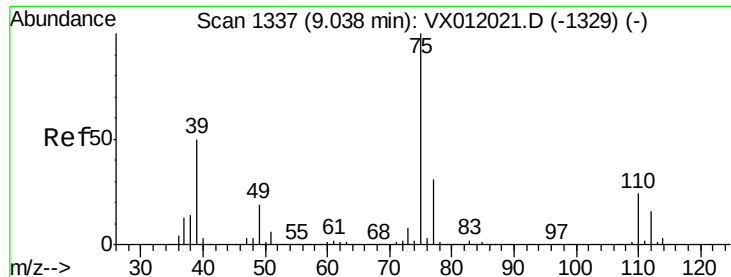
Tgt Ion: 92 Resp: 77091

Ion Ratio Lower Upper

92 100

91 169.1 136.0 204.0





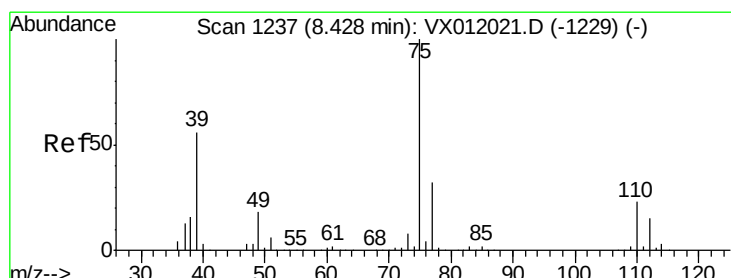
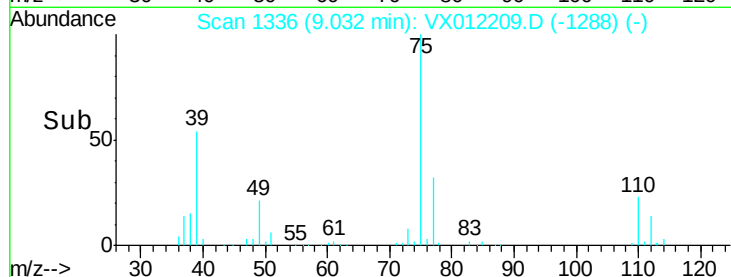
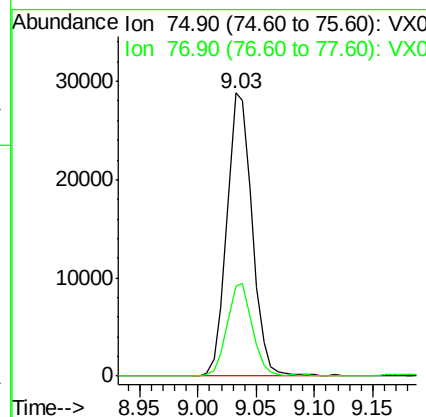
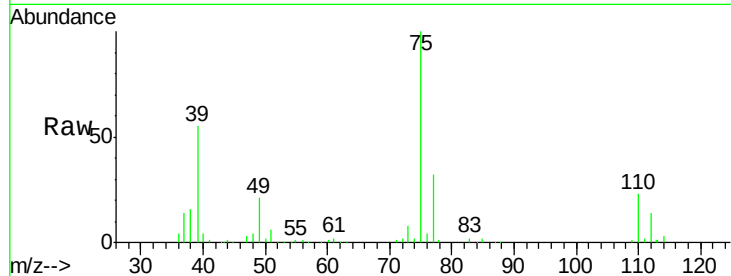
#53
 t-1,3-Dichloropropene
 Concen: 18.174 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Tot Ion: 75 Resp: 43294
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7

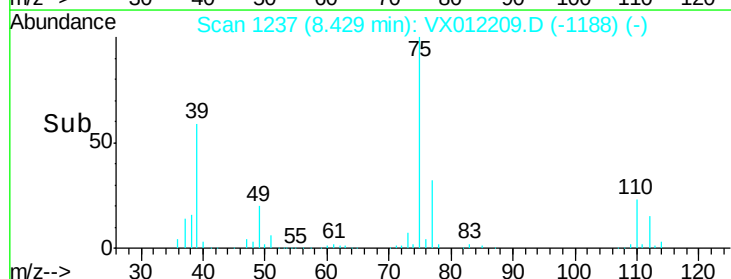
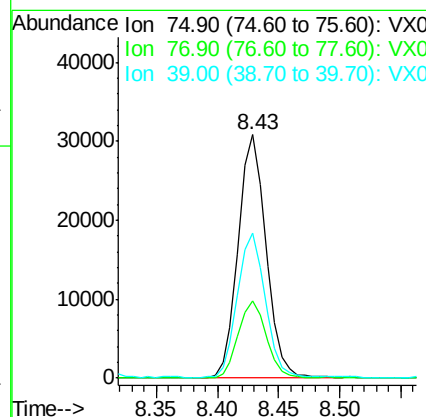
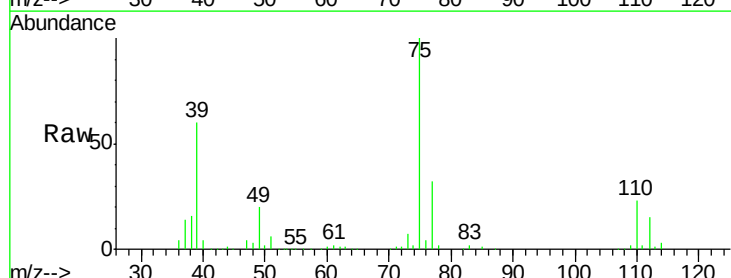
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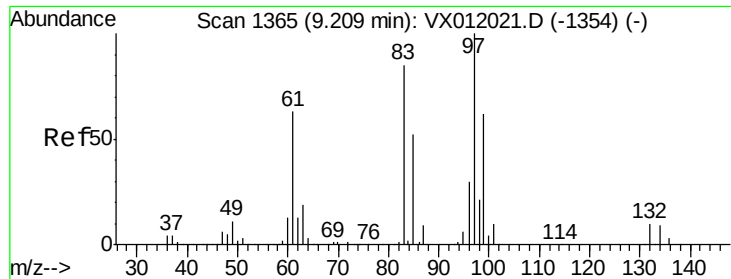
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#54
 cis-1,3-Dichloropropene
 Concen: 18.430 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion: 75 Resp: 48824
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 59.4 43.0 64.4





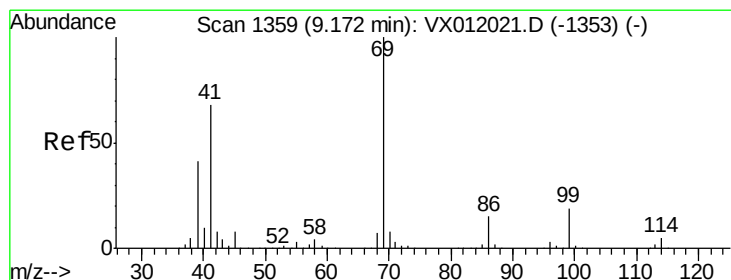
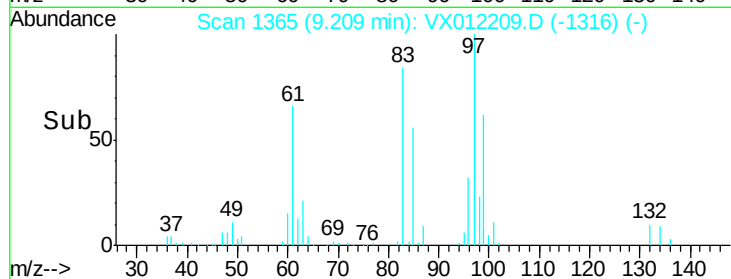
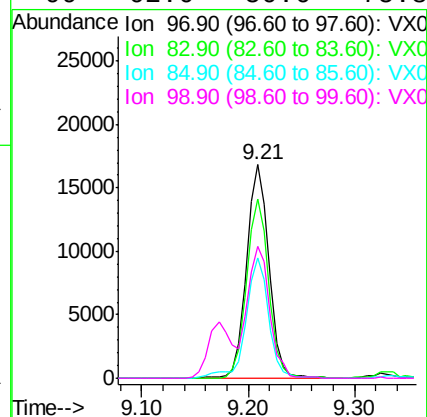
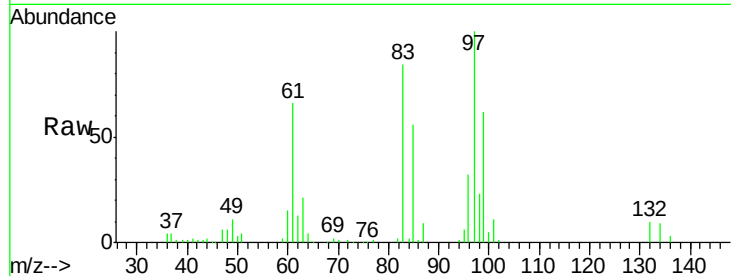
#55
 1,1,2-Trichloroethane
 Concen: 19.138 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0907SBS03

Tot Ion	97	Resp	24768
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.0	99.0
85	56.3	41.0	61.6
99	62.0	50.6	75.8

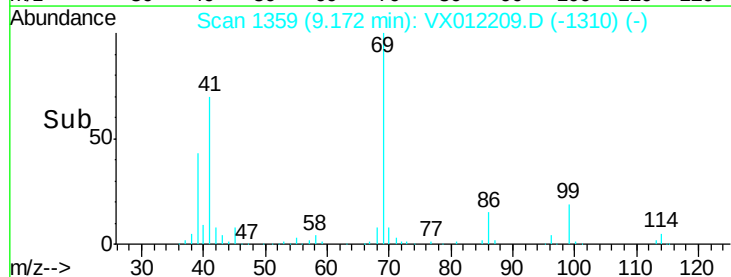
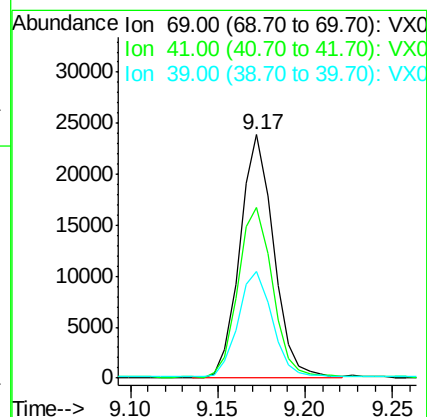
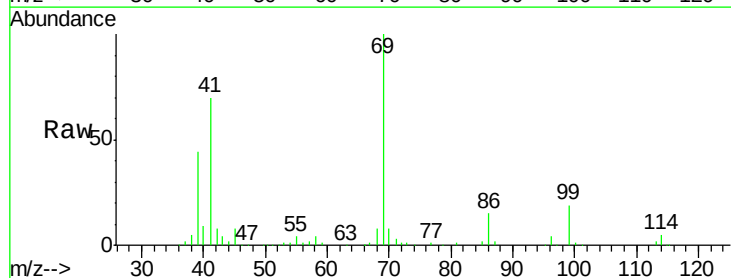
Manual Integrations
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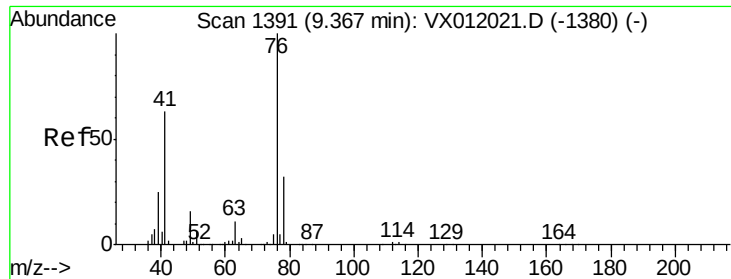
MMDadoda
 9/9/2019 9:23:54 AM



#56
 Ethyl methacrylate
 Concen: 17.443 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion	69	Resp	32335
Ion	Ratio	Lower	Upper
69	100		
41	70.9	53.9	80.9
39	44.2	31.1	46.7





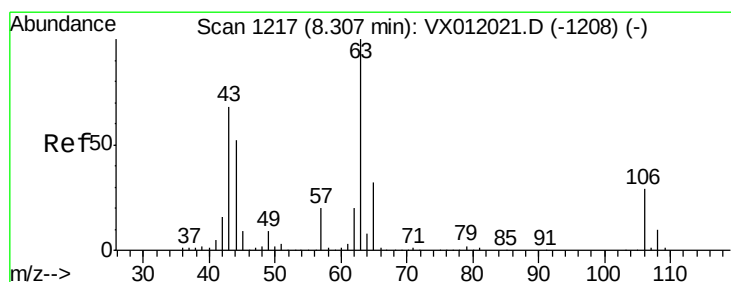
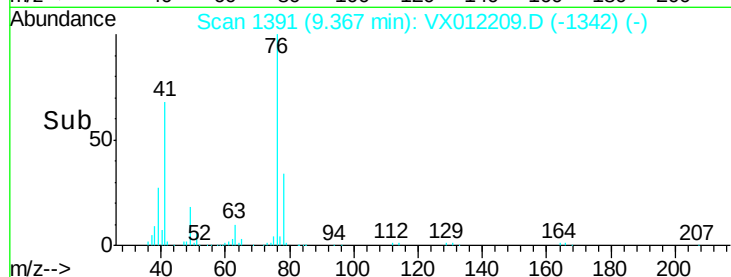
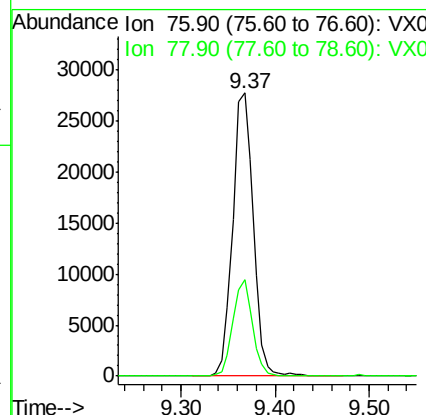
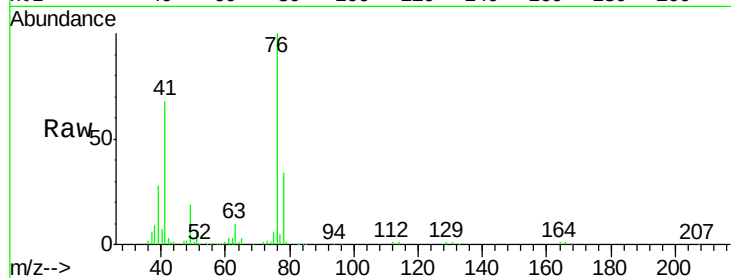
#57
 1,3-Dichloropropane
 Concen: 18.921 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

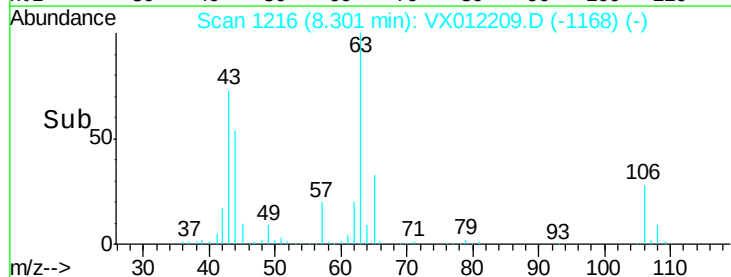
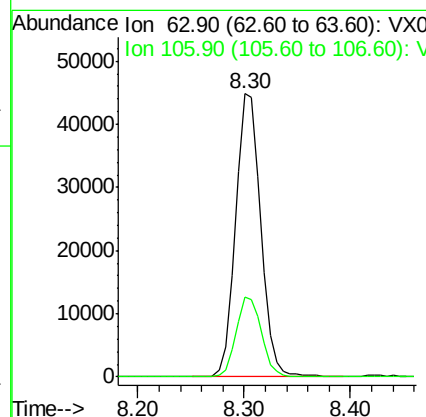
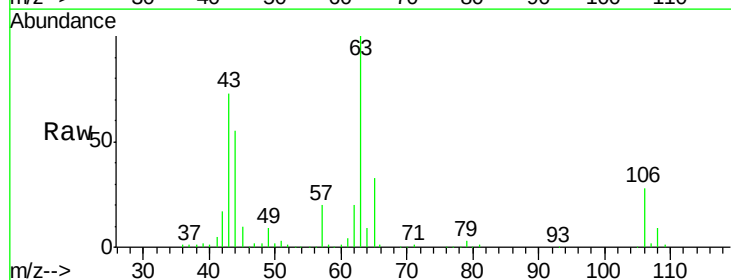
Manual Integrations
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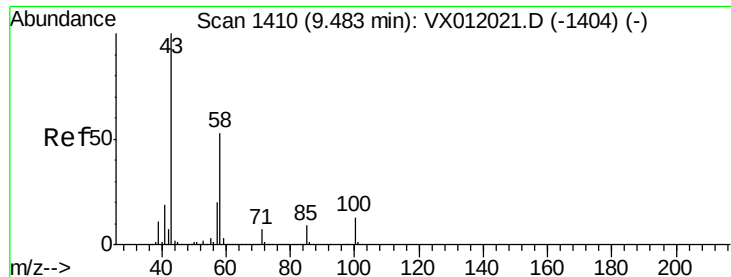
MMDadoda
 9/9/2019 9:23:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.079 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	26.5	39.7





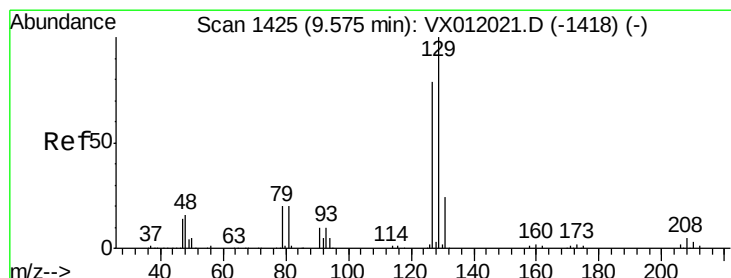
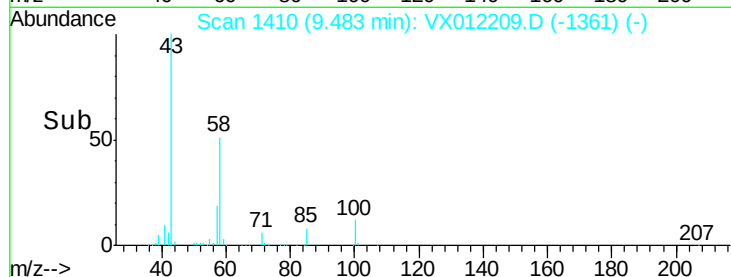
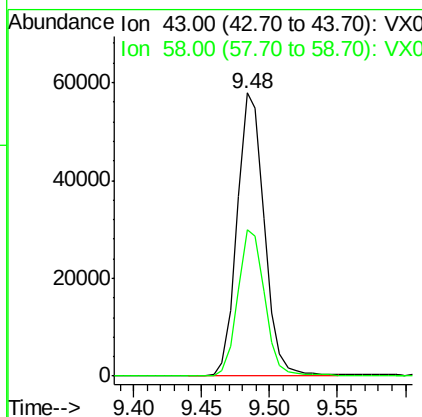
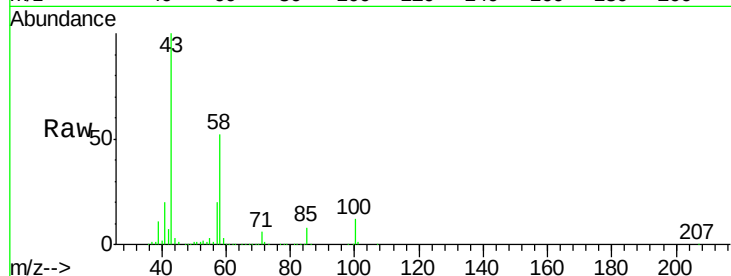
#59
2-Hexanone
Concen: 93.508 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	27.2	81.6

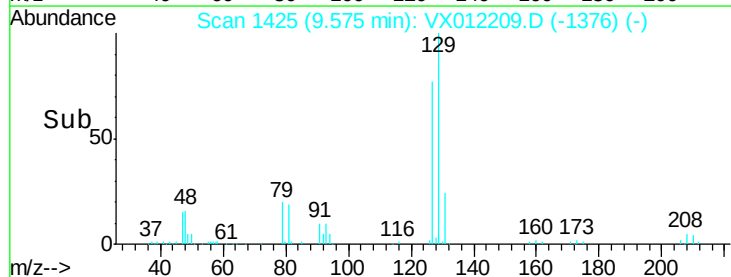
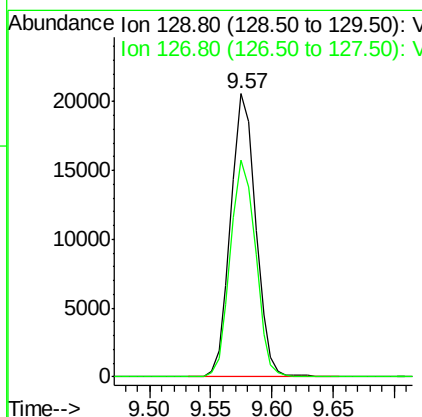
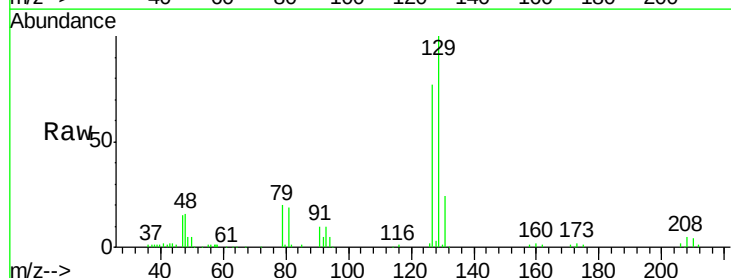
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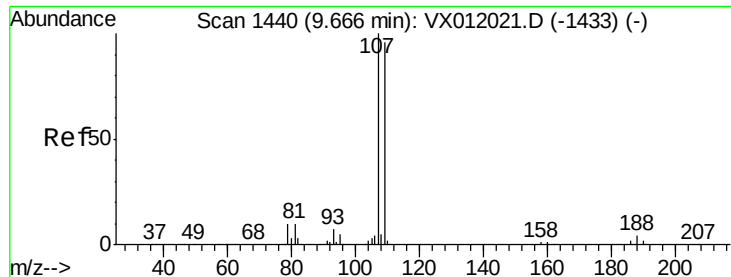
MMDadoda
9/9/2019 9:23:54 AM



#60
Dibromochloromethane
Concen: 18.972 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.1	114.5





#61

1,2-Dibromoethane

Concen: 18.008 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion:107 Resp: 22521

Ion Ratio Lower Upper

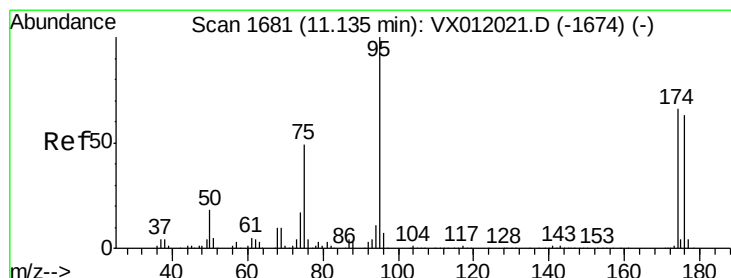
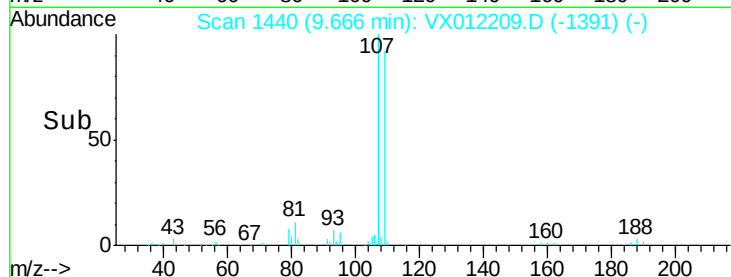
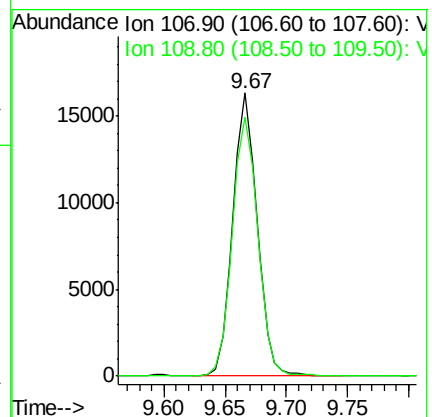
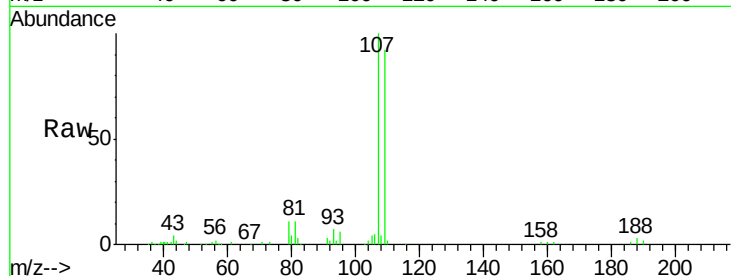
107 100

109 95.6 76.9 115.3

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#62

4-Bromofluorobenzene

Concen: 42.503 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

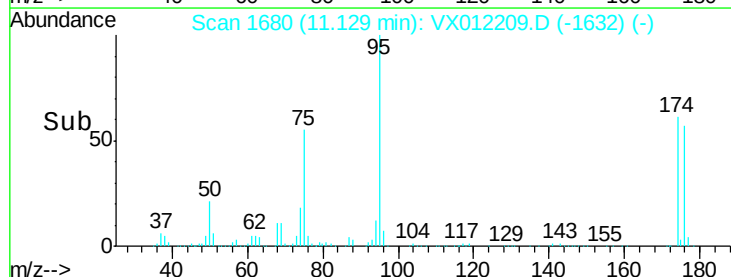
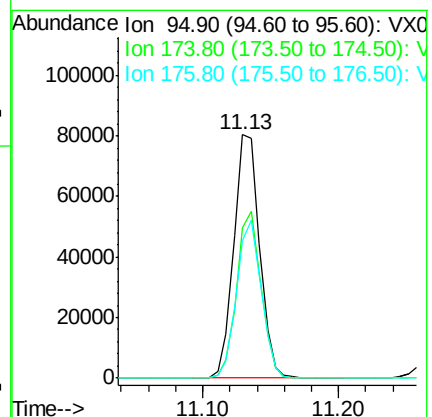
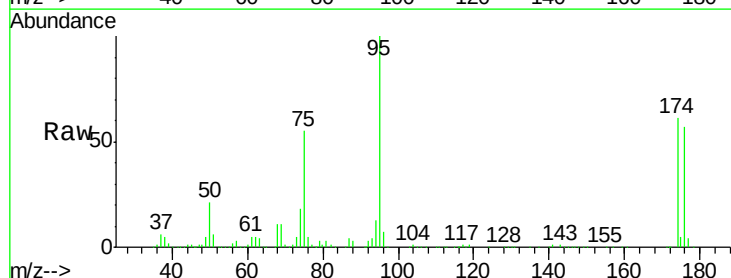
Tgt Ion: 95 Resp: 105885

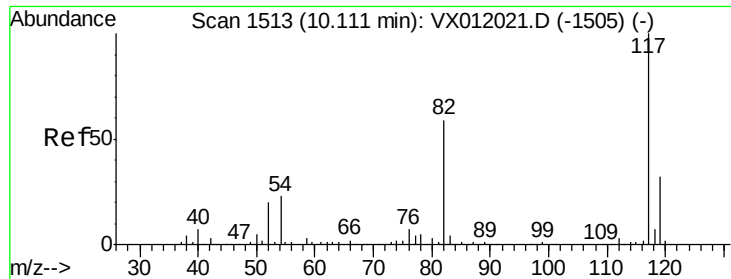
Ion Ratio Lower Upper

95 100

174 65.1 0.0 205.4

176 62.7 0.0 201.8





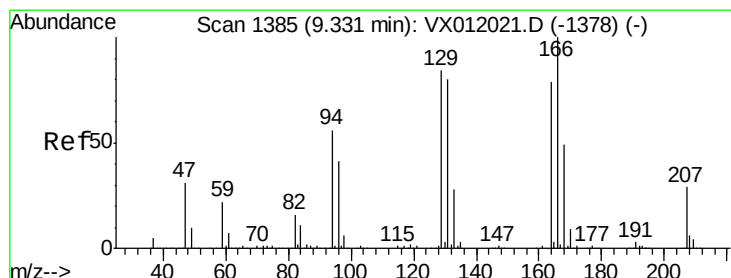
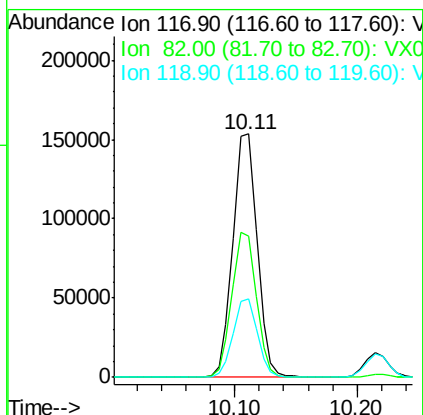
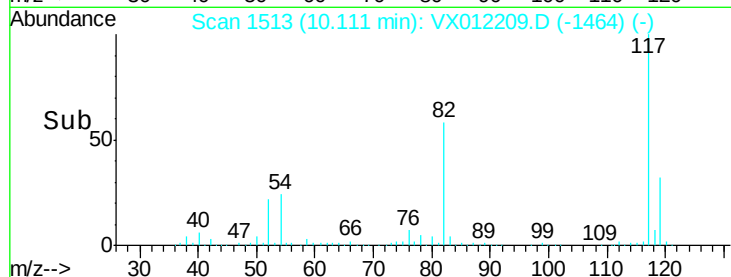
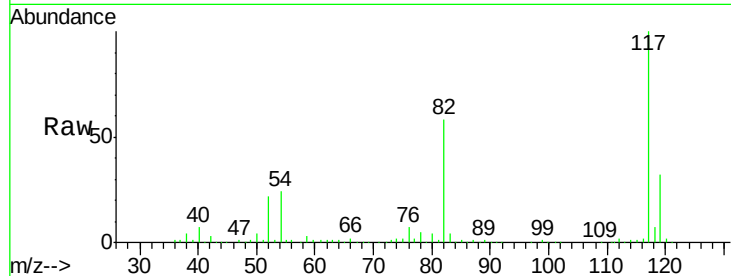
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	210979		
82	57.9		39.4	59.0
119	32.2		26.1	39.1

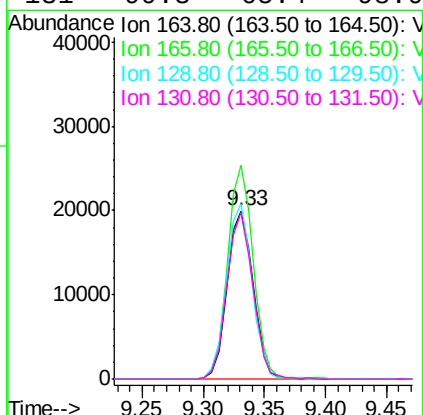
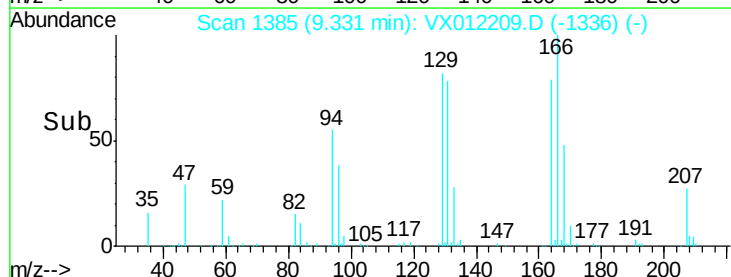
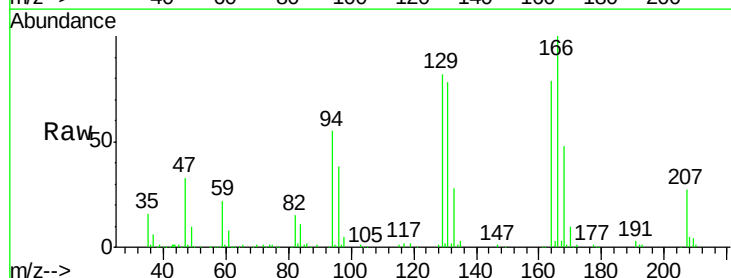
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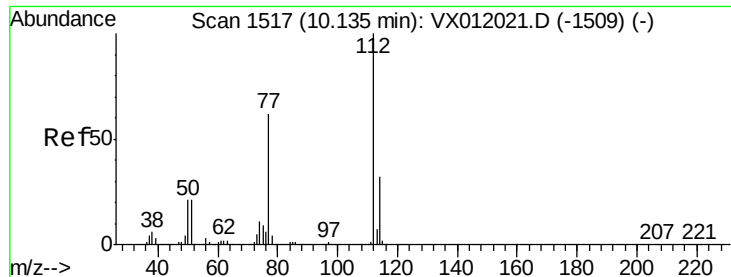
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#64
Tetrachloroethene
Concen: 22.229 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29238		
166	127.1		104.3	156.5
129	104.3		68.3	102.5#
131	99.3		65.4	98.0#





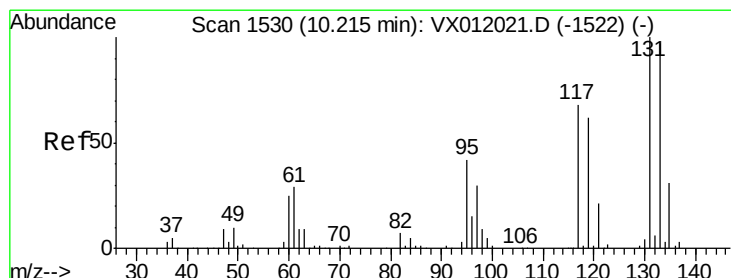
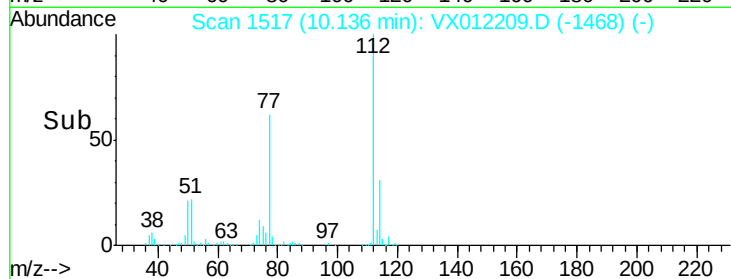
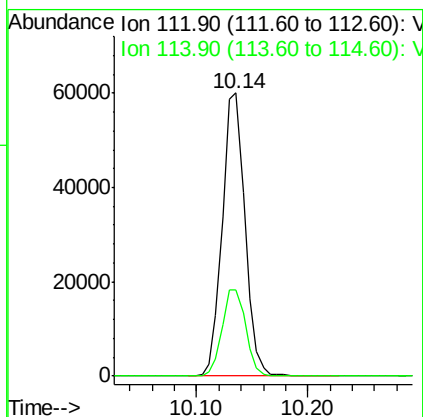
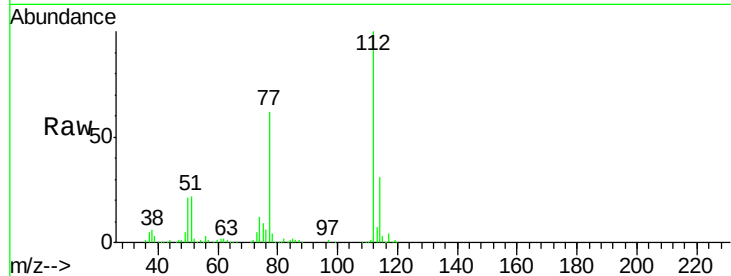
#65
Chlorobenzene
Concen: 20.442 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion:112 Resp: 85094
Ion Ratio Lower Upper
112 100
114 30.7 26.2 39.2

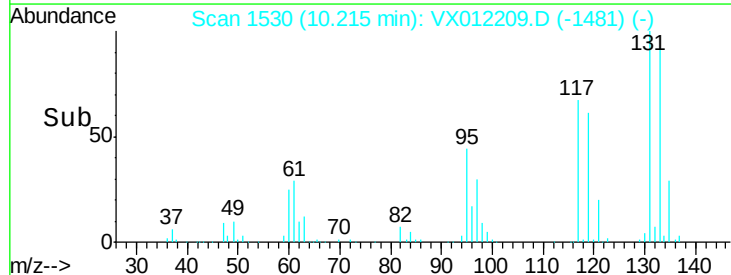
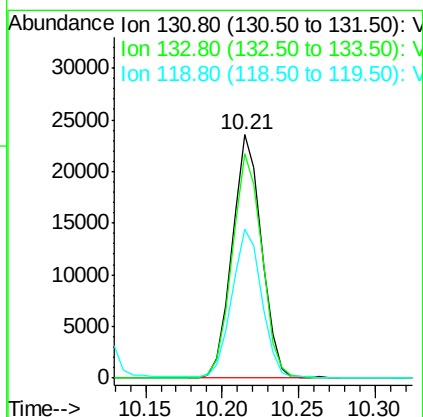
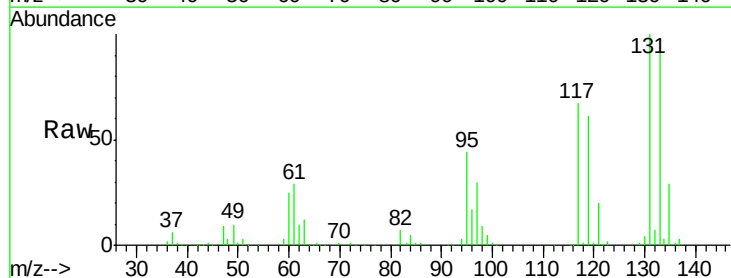
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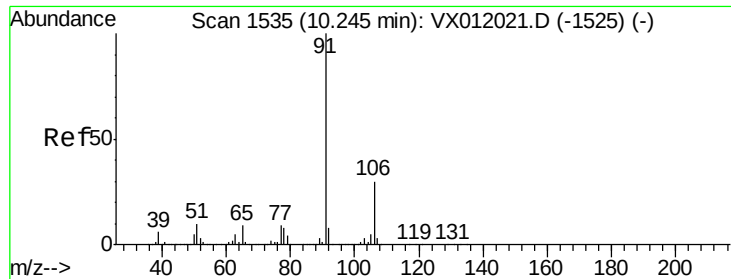
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.619 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion:131 Resp: 31384
Ion Ratio Lower Upper
131 100
133 93.3 48.4 145.0
119 62.7 30.5 91.5





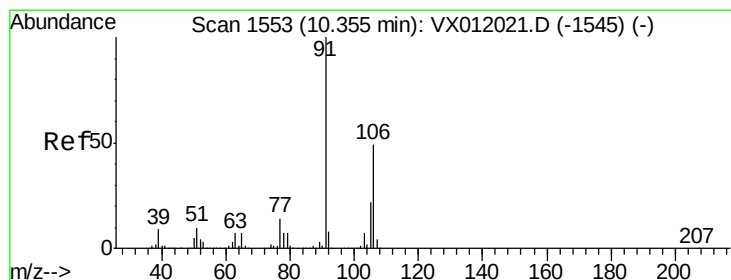
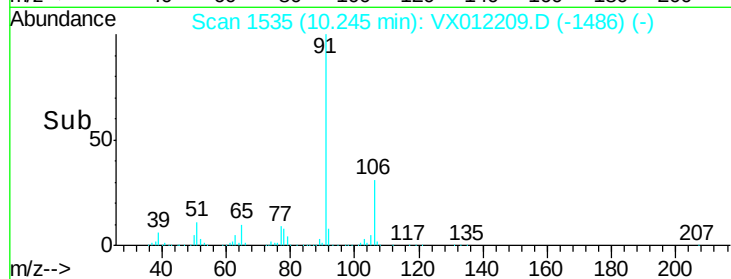
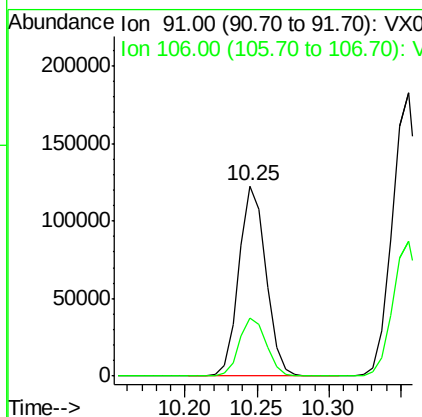
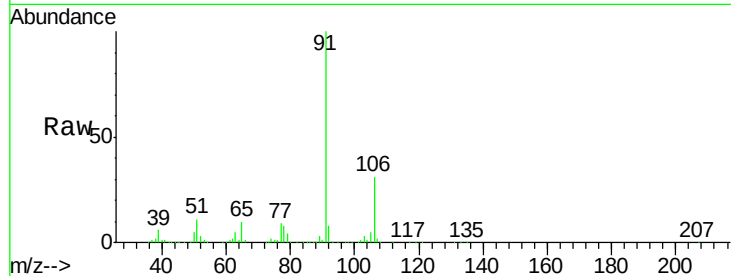
#67
Ethyl Benzene
Concen: 21.177 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion: 91 Resp: 160689
Ion Ratio Lower Upper
91 100
106 30.5 25.8 38.8

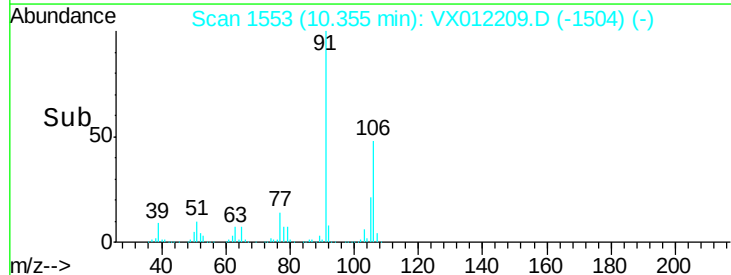
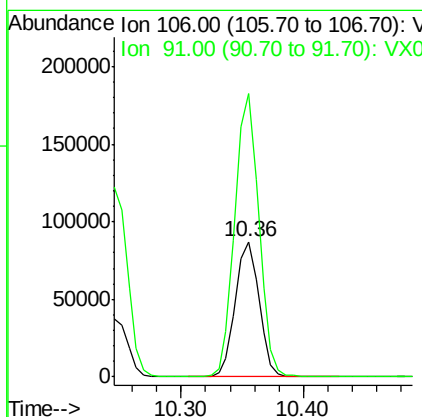
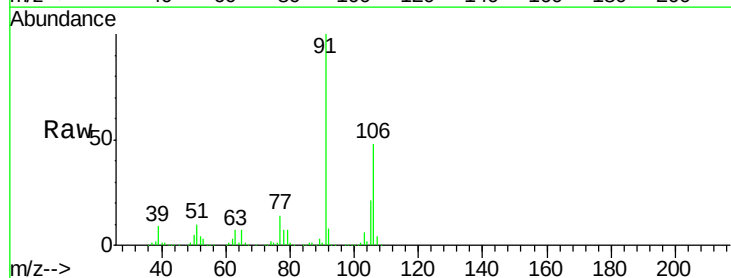
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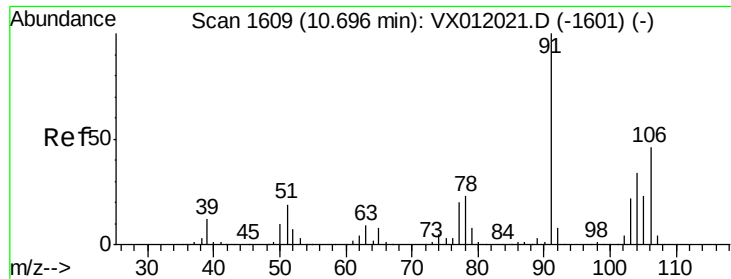
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9/9/2019 9:23:54 AM



#68
m/p-Xylenes
Concen: 42.049 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion: 106 Resp: 117556
Ion Ratio Lower Upper
106 100
91 210.8 157.5 236.3





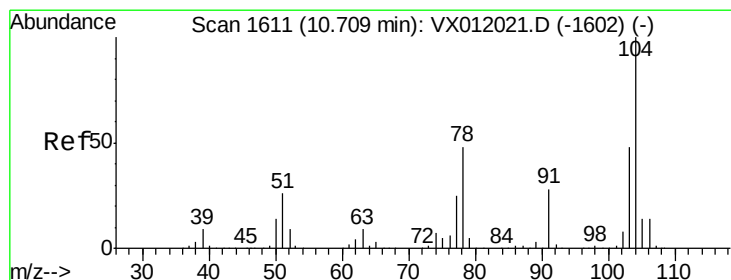
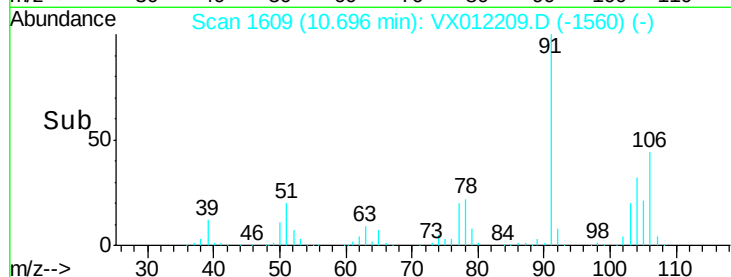
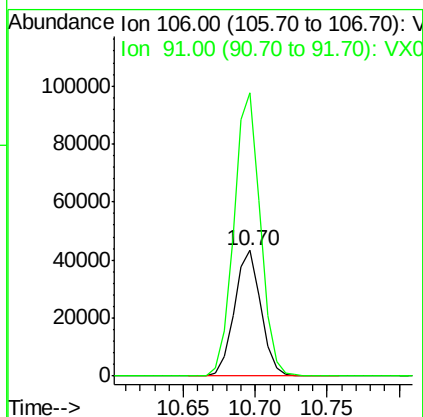
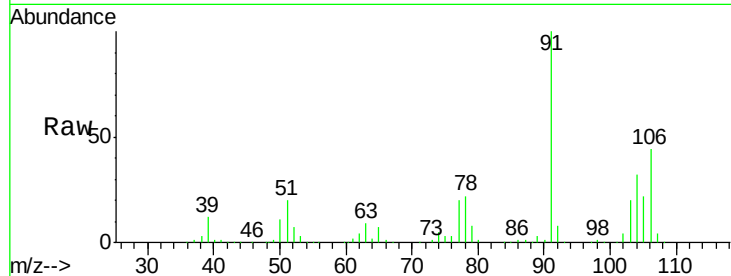
#69
o-Xylene
Concen: 20.479 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion:106 Resp: 55518
Ion Ratio Lower Upper
106 100
91 225.7 103.5 310.3

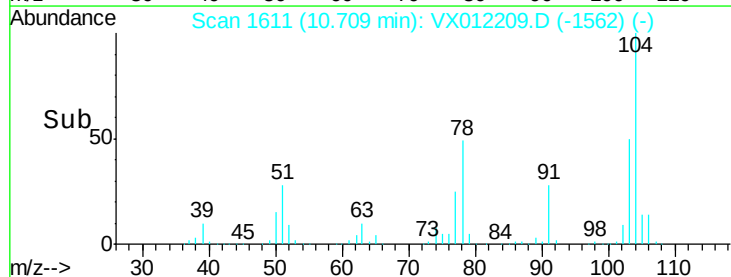
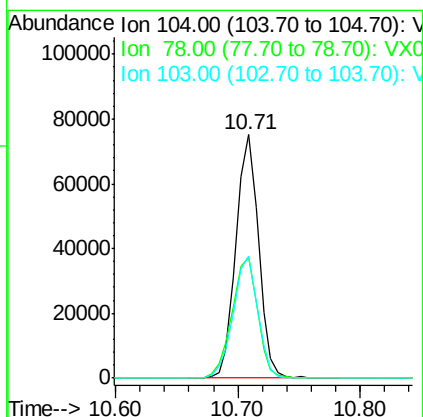
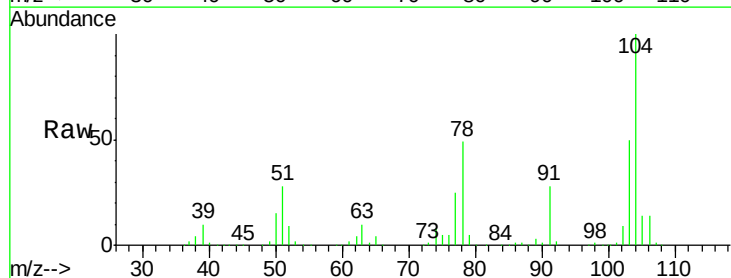
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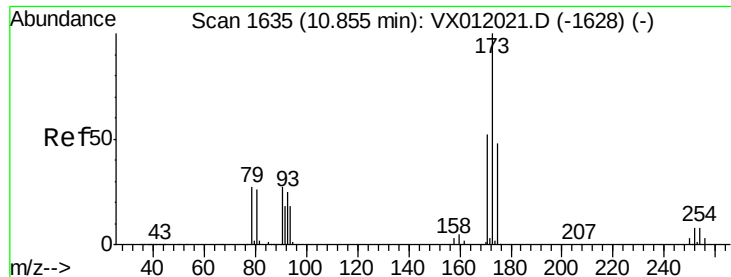
MMDadoda
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#70
Styrene
Concen: 20.351 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion:104 Resp: 95826
Ion Ratio Lower Upper
104 100
78 56.2 39.1 58.7
103 54.6 43.4 65.2





#71

Bromoform

Concen: 17.592 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

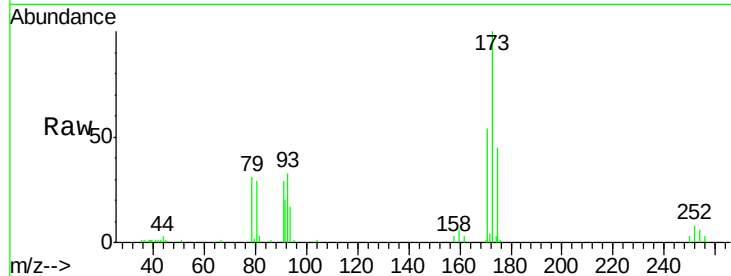
ClientSampleId :

VX0907SBS03

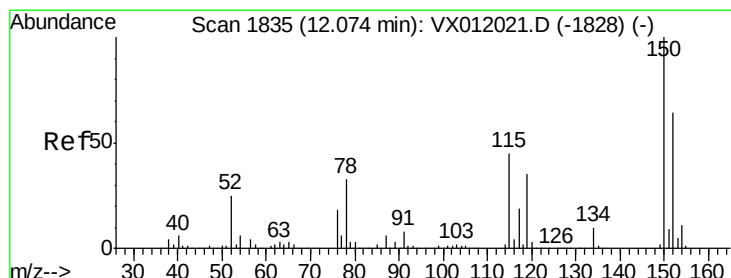
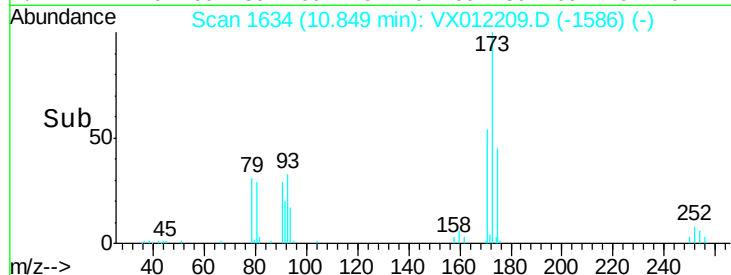
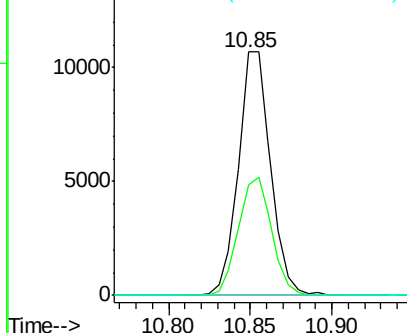
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.9	74.7
254	0.0	0.1	0.1#

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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

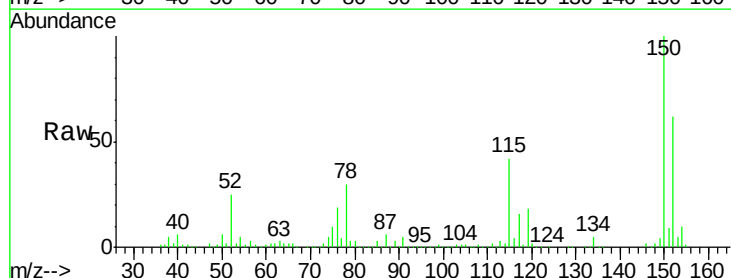
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

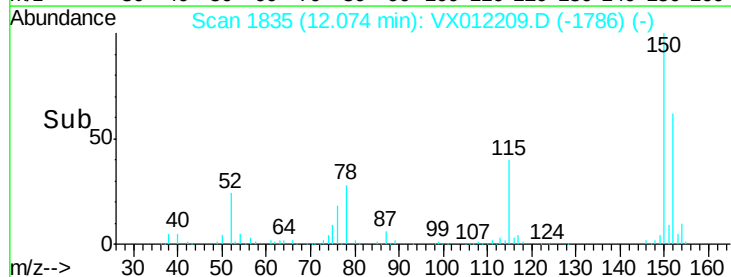
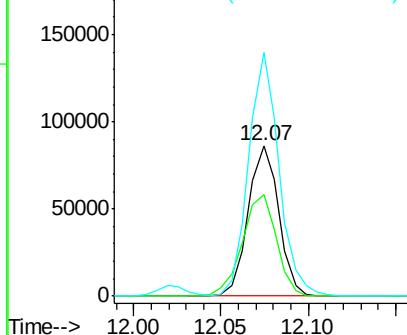
Lab File: VX012209.D

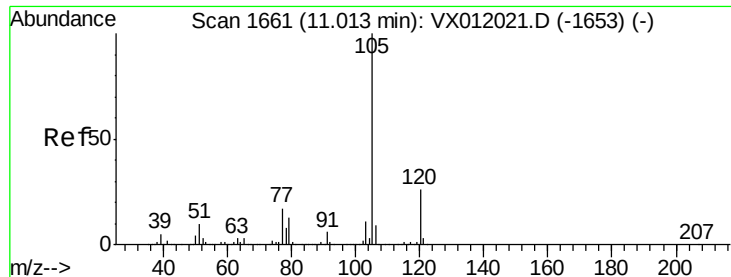
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.0	36.4	109.3
150	162.1	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: 21.359 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 105 Resp: 163819

Ion Ratio Lower Upper

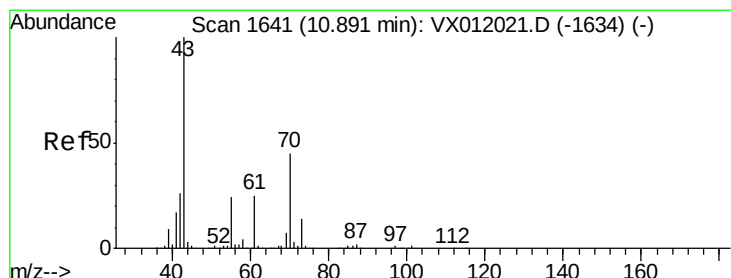
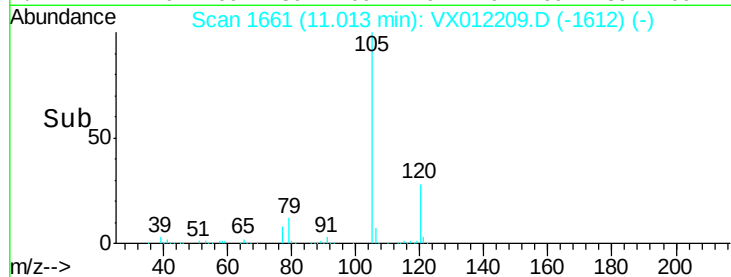
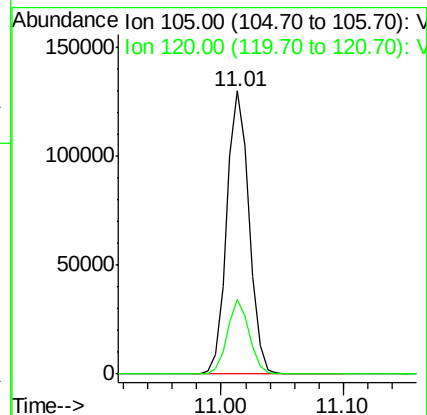
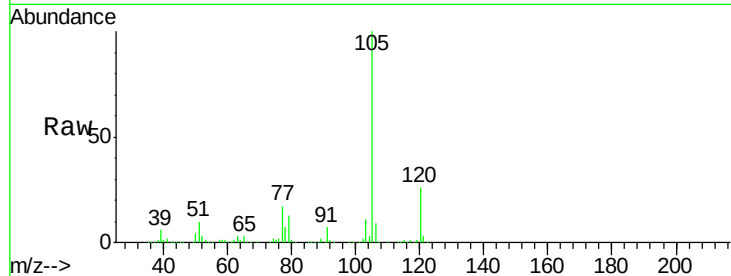
105 100

120 25.7 13.9 41.6

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#74

N-ethyl acetate

Concen: 17.826 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion: 43 Resp: 40424

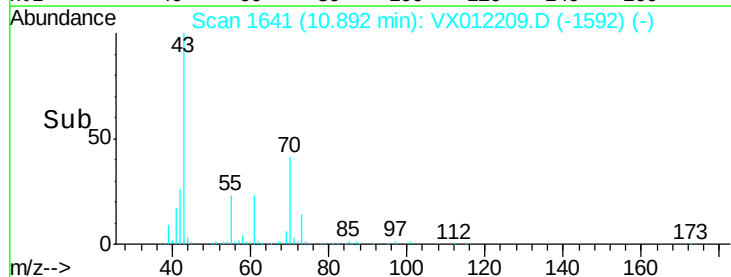
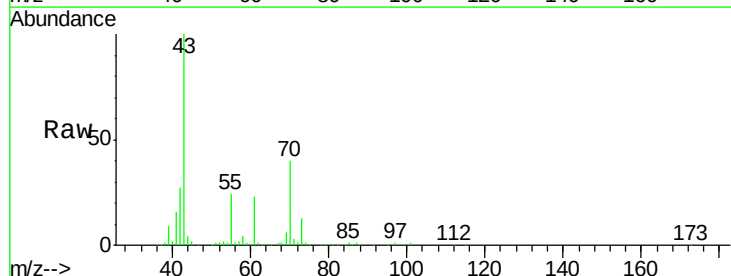
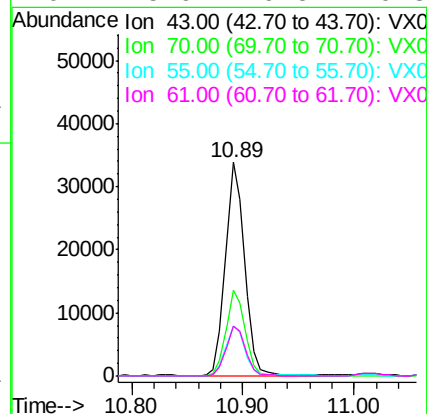
Ion Ratio Lower Upper

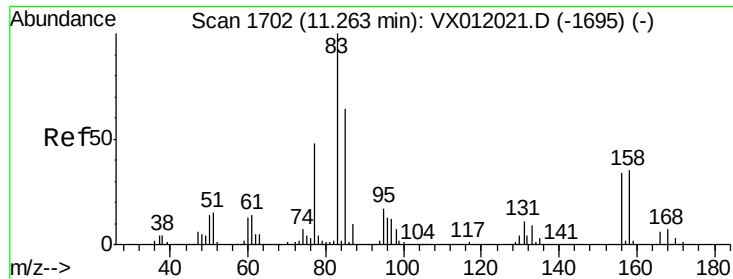
43 100

70 40.6 34.4 51.6

55 24.2 18.5 27.7

61 23.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.215 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

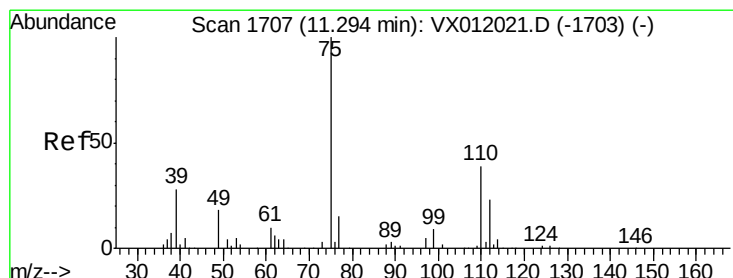
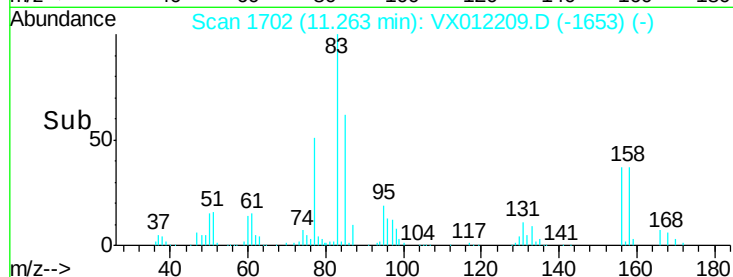
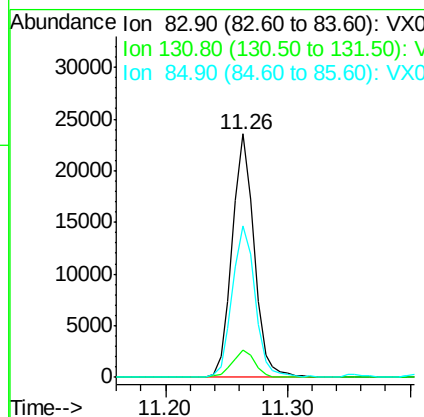
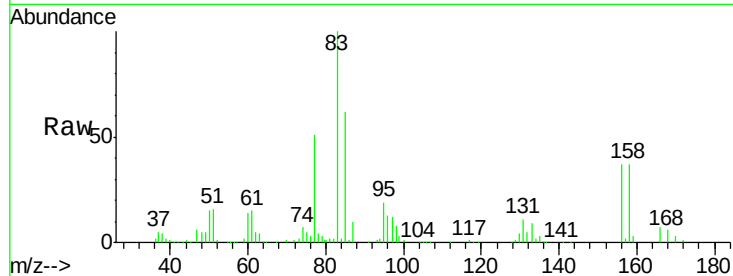
ClientSampleId :

VX0907SBS03

Tot Ion:	83	Resp:	29125
Ion Ratio	Lower	Upper	
83	100		
131	11.4	6.3	19.1
85	65.0	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 20.317 ug/l m

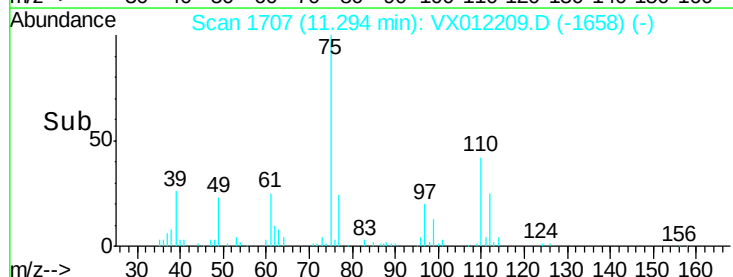
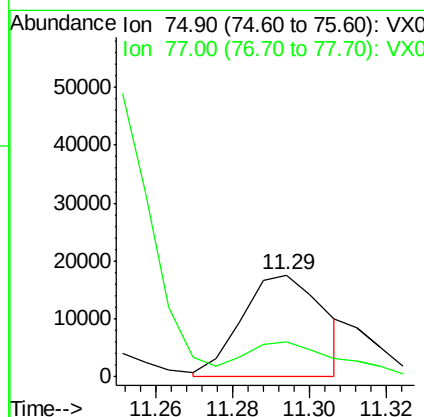
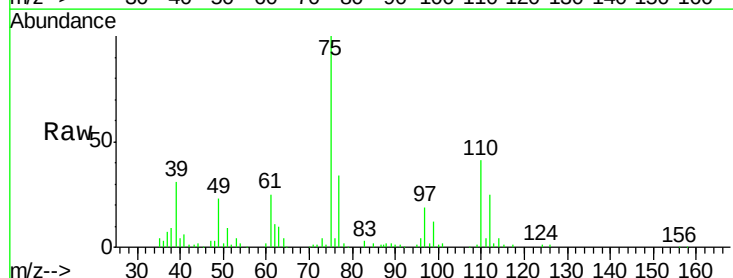
RT: 11.29 min Scan# 1707

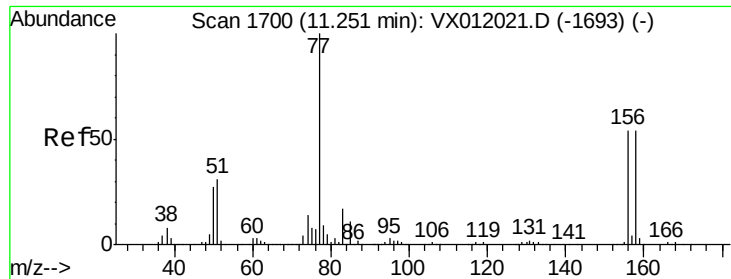
Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion:	75	Resp:	25950
Ion Ratio	Lower	Upper	
75	100		
77	39.0	23.5	70.5





#77

Bromobenzene

Concen: 20.200 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

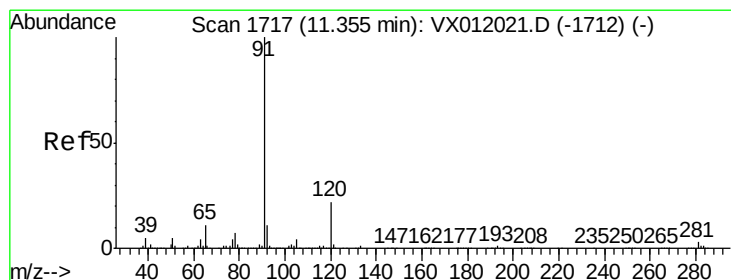
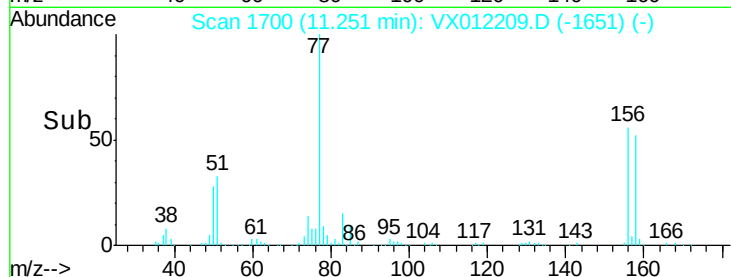
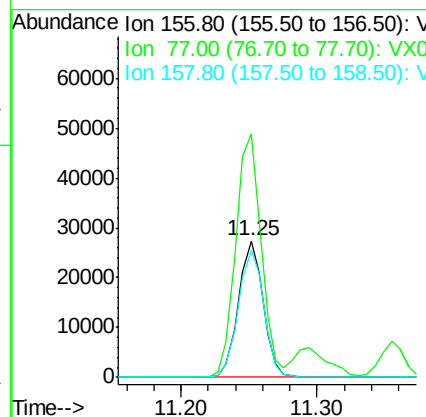
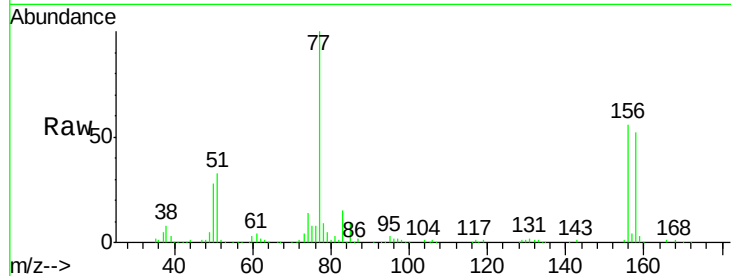
ClientSampleId :

VX0907SBS03

Tot Ion:	156	Resp:	34650
Ion	Ratio	Lower	Upper
156	100		
77	184.3	63.4	190.2
158	95.7	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.406 ug/l

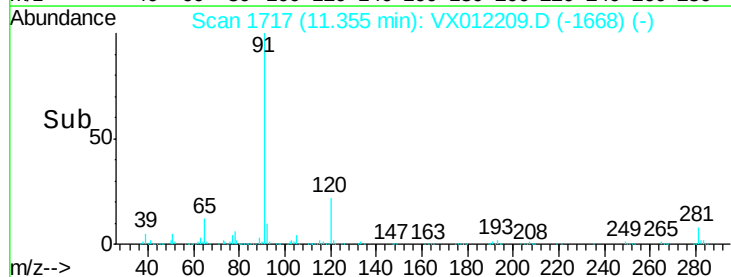
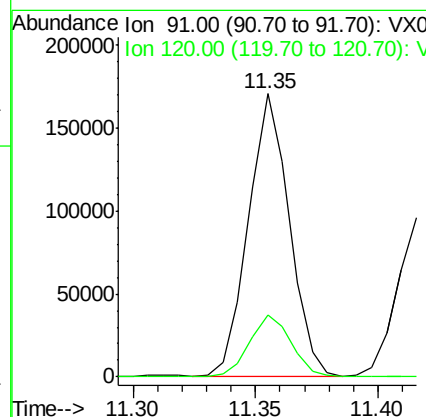
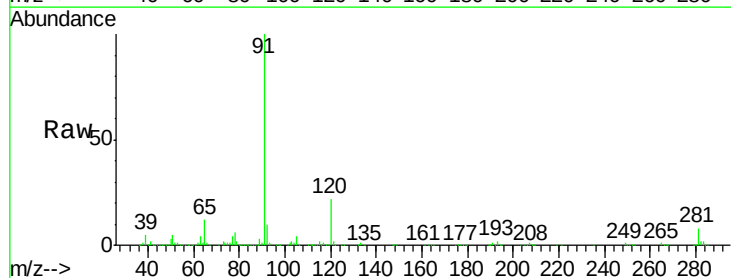
RT: 11.35 min Scan# 1717

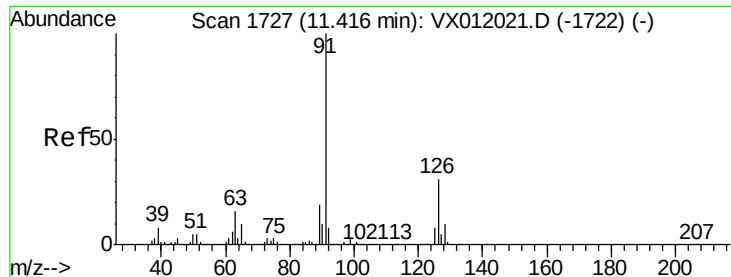
Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion:	91	Resp:	198346
Ion	Ratio	Lower	Upper
91	100		
120	22.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 20.697 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion: 91 Resp: 116185

Ion Ratio Lower Upper

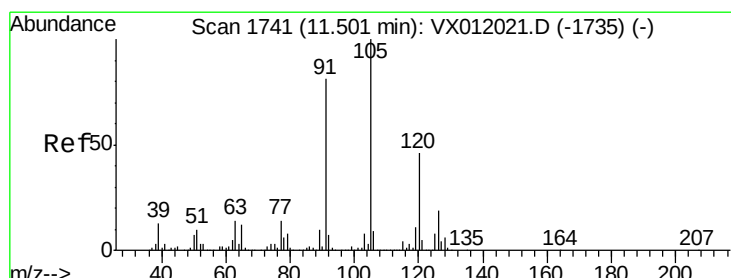
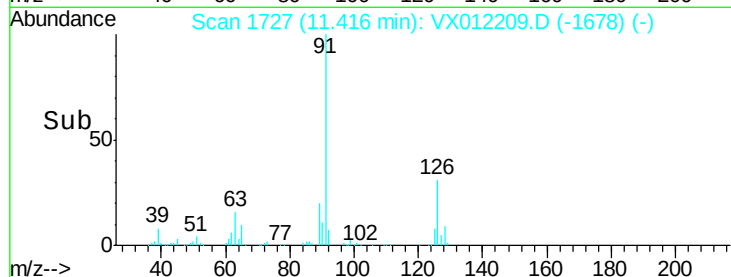
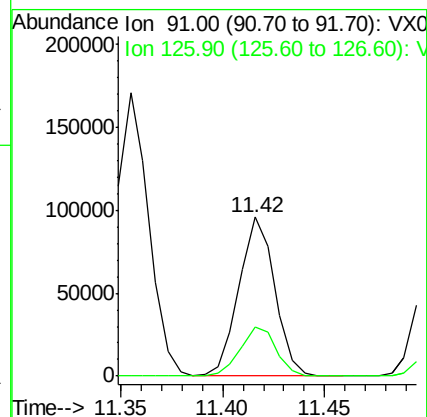
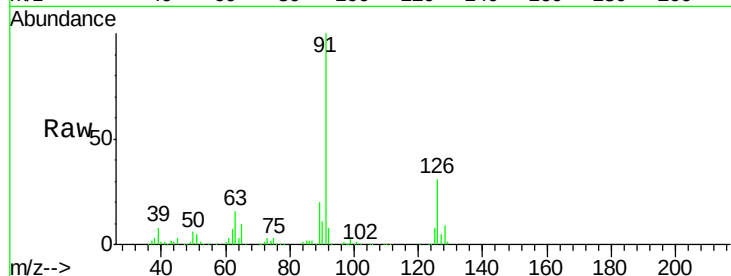
91 100

126 31.4 18.6 55.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.160 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012209.D

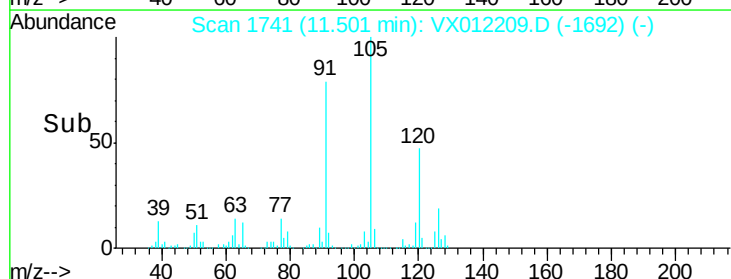
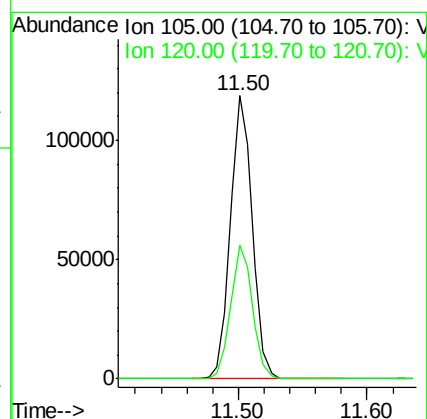
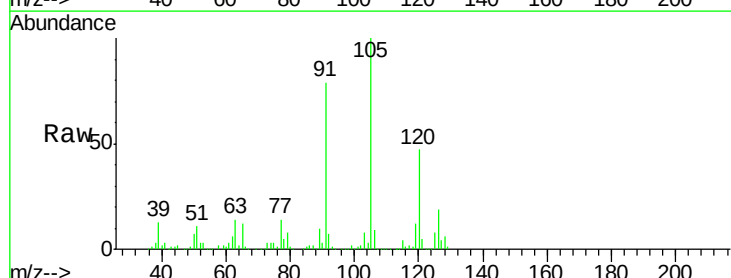
Acq: 08 Sep 2019 08:37

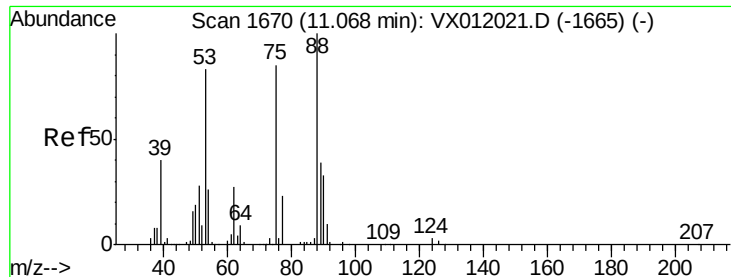
Tgt Ion: 105 Resp: 142221

Ion Ratio Lower Upper

105 100

120 47.2 25.8 77.3





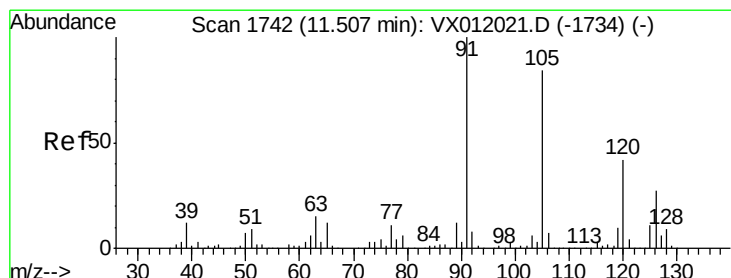
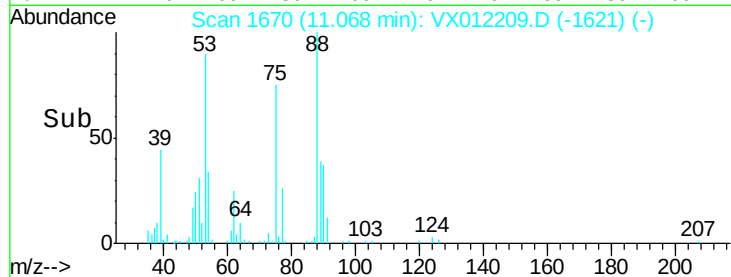
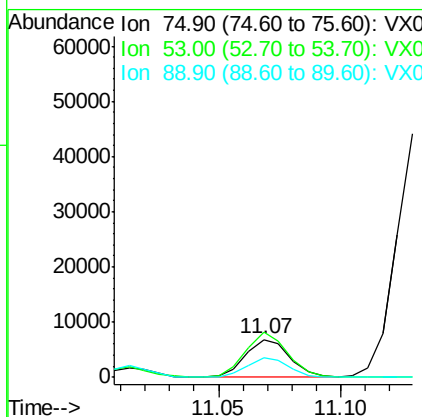
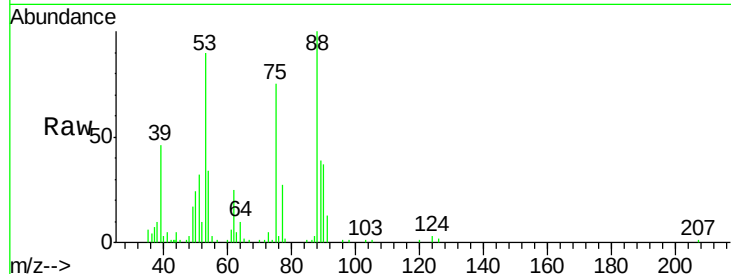
#81
trans-1,4-Dichloro-2-butene
Concen: 15.783 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.0	78.6	117.8
89	49.9	38.8	58.2

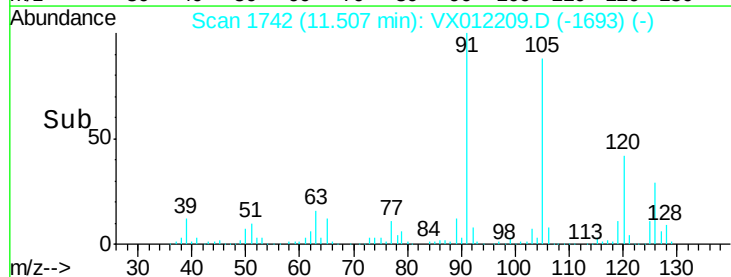
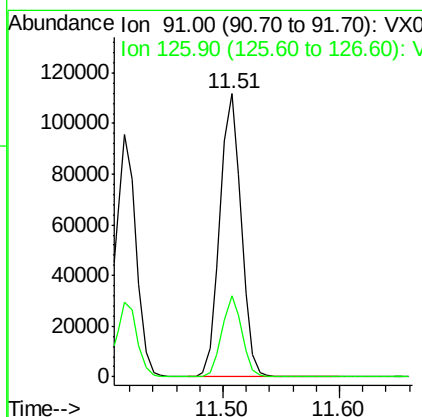
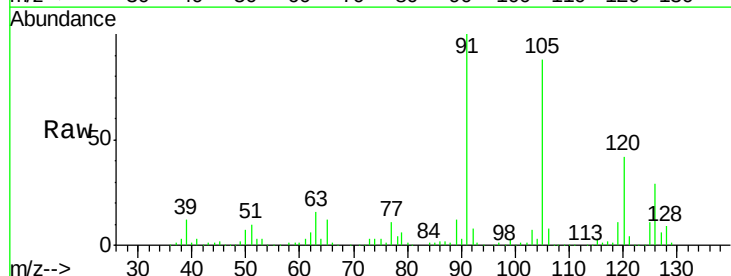
Manual Integrations
APPROVED

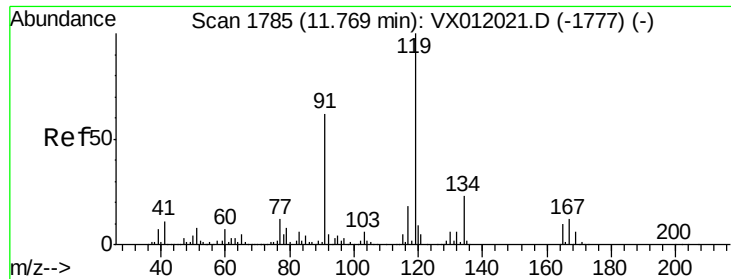
MMDadoda
9/9/2019 9:23:54 AM



#82
4-Chlorotoluene
Concen: 21.128 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.2	16.2	48.6





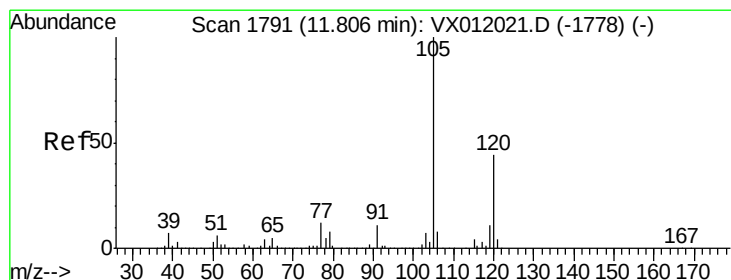
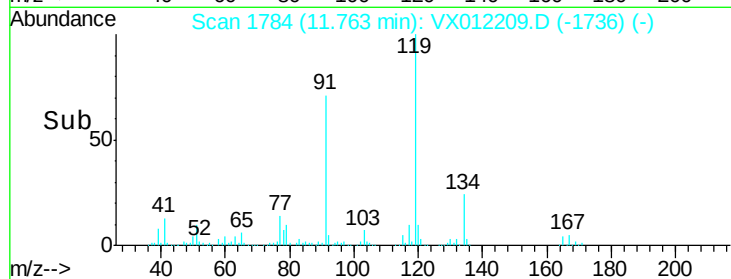
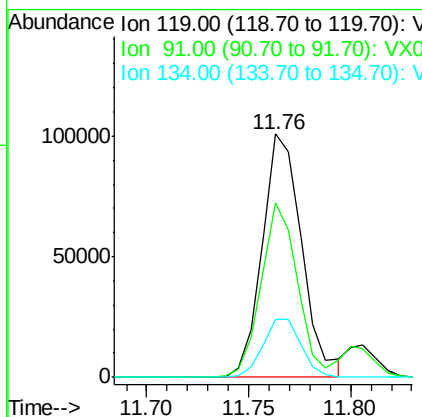
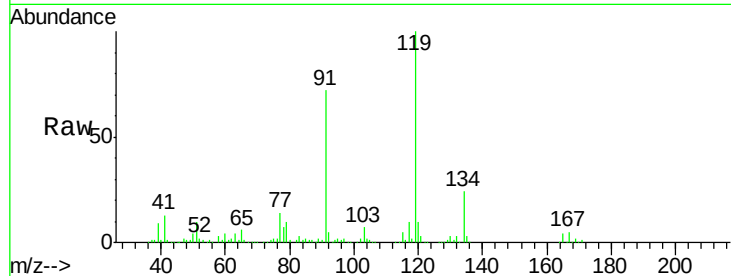
#83
 tert-Butylbenzene
 Concen: 21.329 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0907SBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	136639		
91	65.5	27.1	81.2	
134	23.3	12.1	36.3	

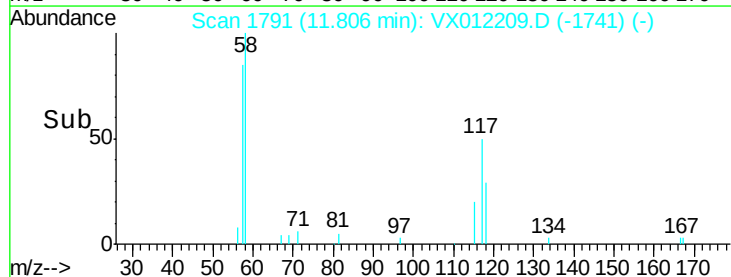
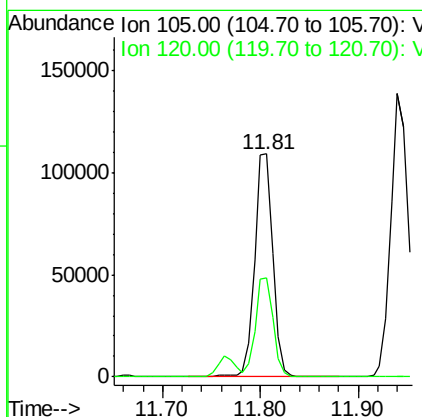
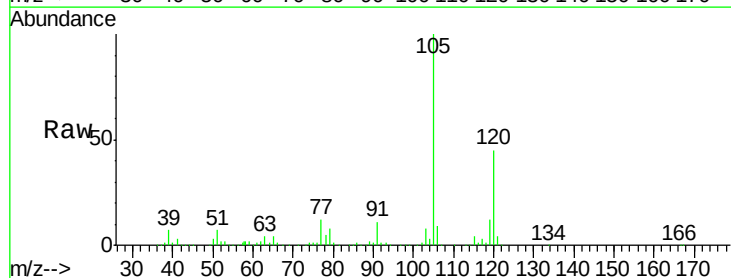
Manual Integrations
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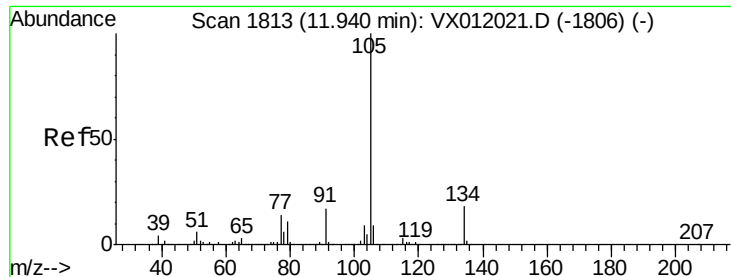
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.277 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	140077		
120	43.5	23.6	70.8	





#85

sec-Butylbenzene

Concen: 21.229 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

ClientSampleId :

VX0907SBS03

Tot Ion:105 Resp: 168916

Ion Ratio Lower Upper

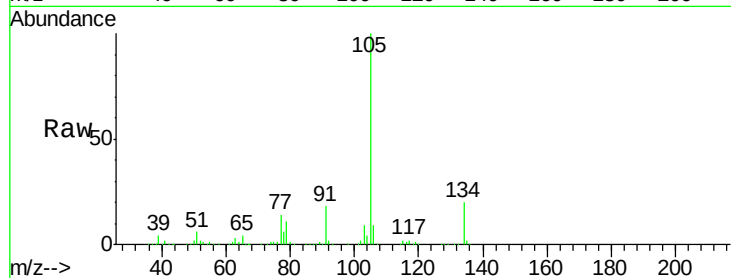
105 100

134 19.9 11.2 33.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

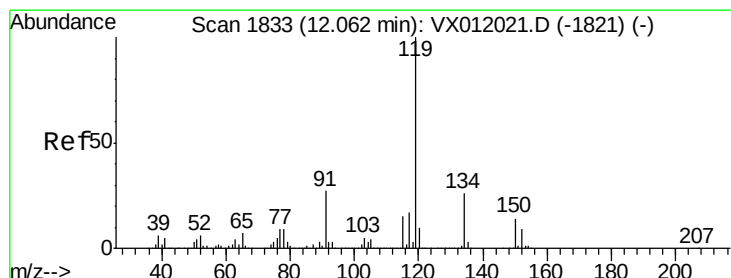
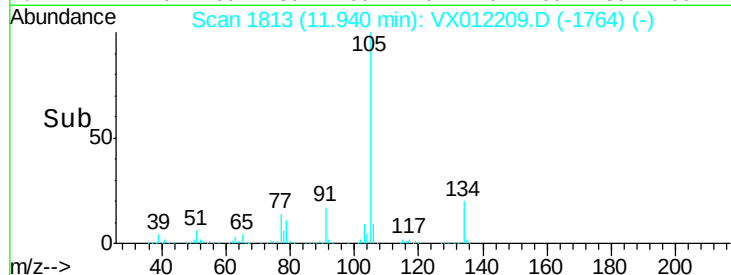
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.303 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

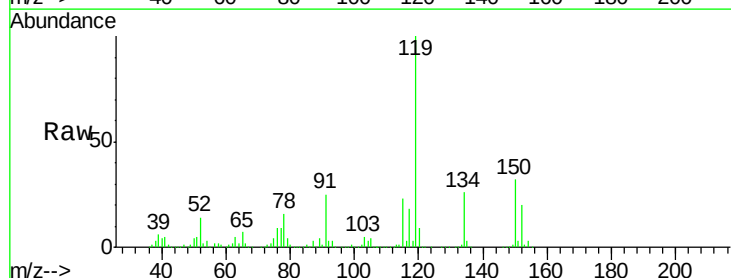
Tgt Ion:119 Resp: 154155

Ion Ratio Lower Upper

119 100

134 25.4 13.7 41.1

91 27.1 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

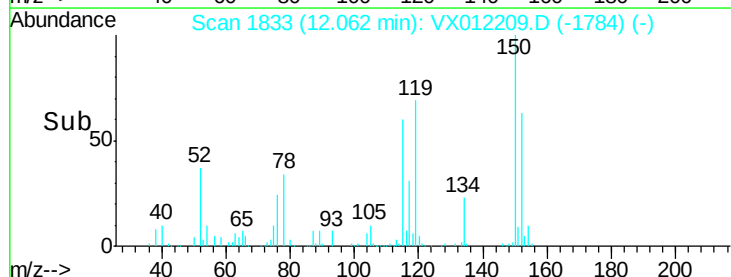
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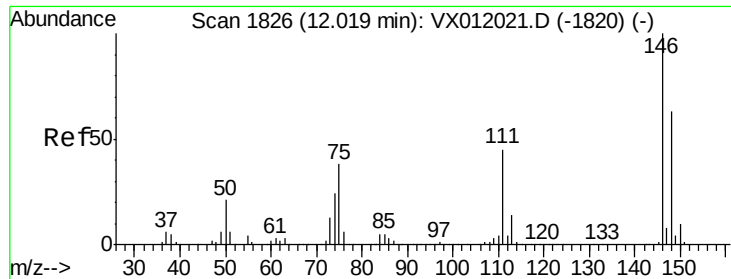
100000

50000

0

Time-->





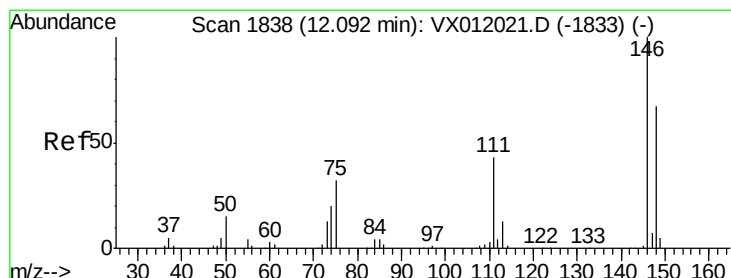
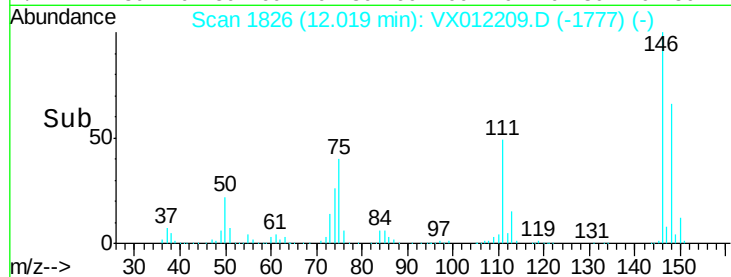
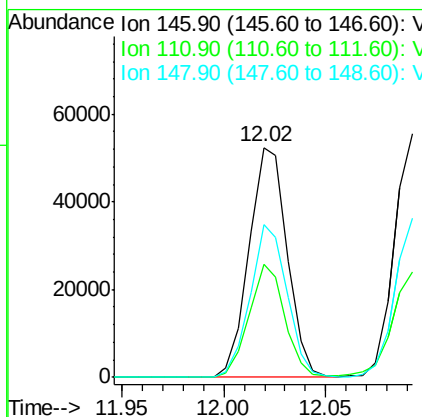
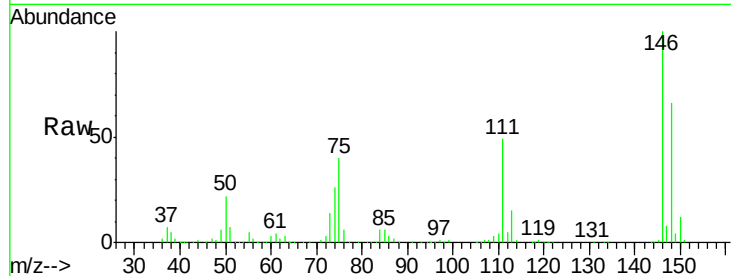
#87
 1,3-Dichlorobenzene
 Concen: 19.834 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	18.1	54.1
148	64.3	32.6	97.8

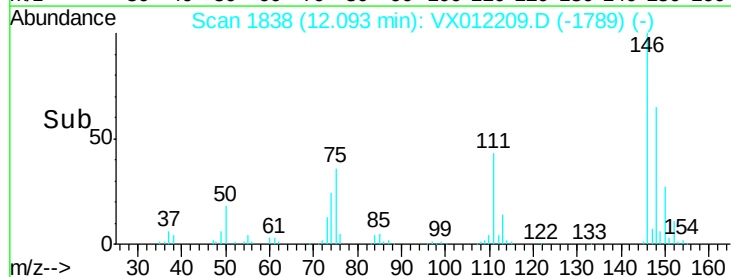
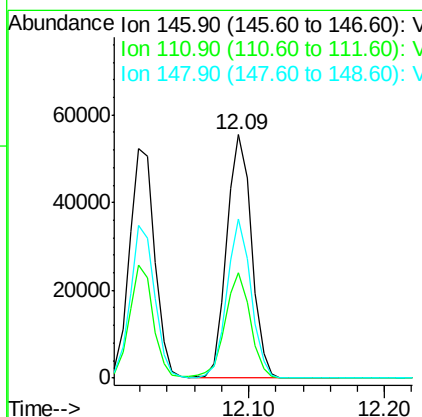
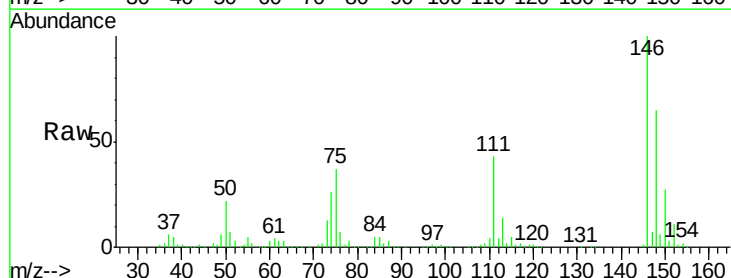
Manual Integrations
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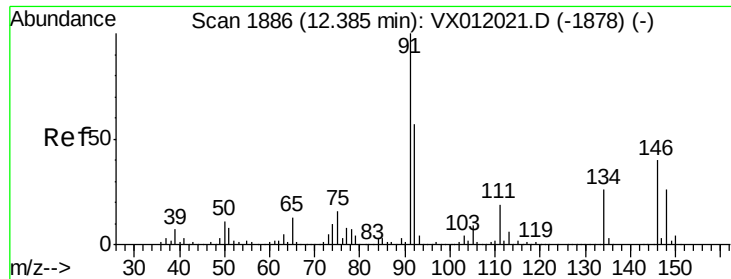
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#88
 1,4-Dichlorobenzene
 Concen: 20.472 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	17.7	53.1
148	63.4	32.4	97.0





#89

n-Butylbenzene

Concen: 21.164 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Instrument :

MSVOA_X

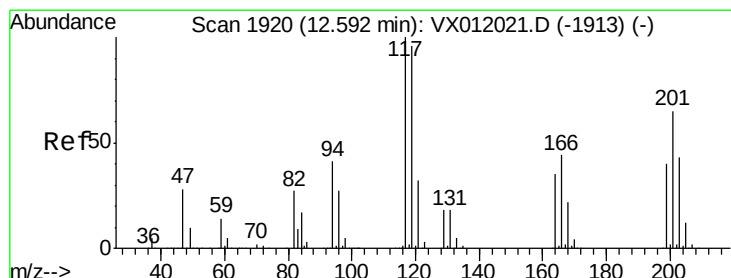
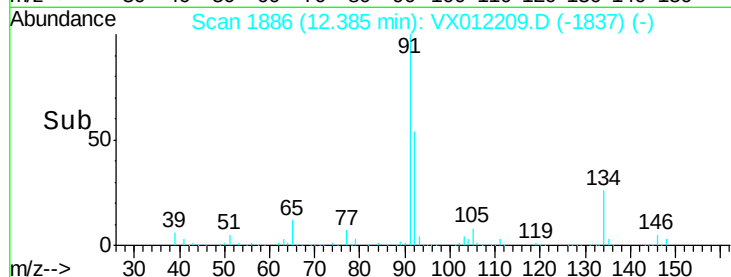
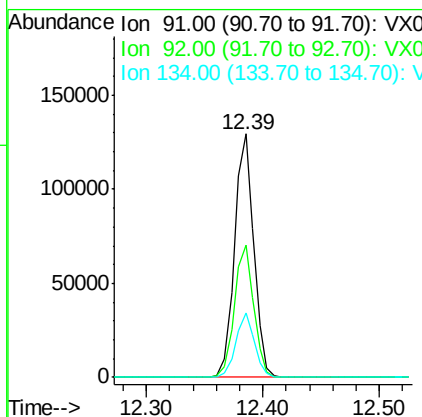
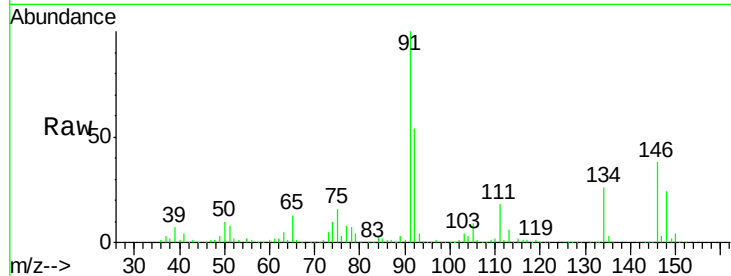
ClientSampled :

VX0907SBS03

Tot Ion:	91	Resp:	148775
Ion Ratio	Lower	Upper	
91	100		
92	54.8	27.6	82.8
134	25.6	15.4	46.1

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#90

Hexachloroethane

Concen: 18.721 ug/l

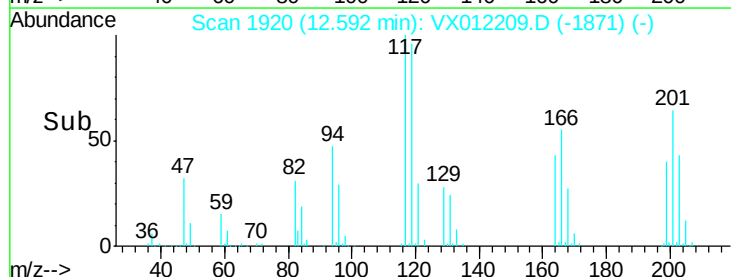
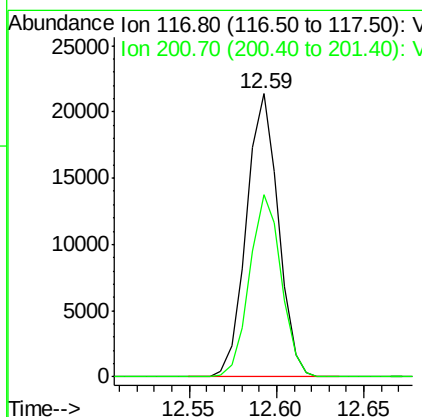
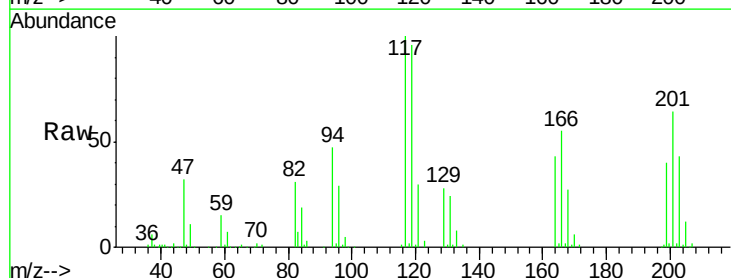
RT: 12.59 min Scan# 1920

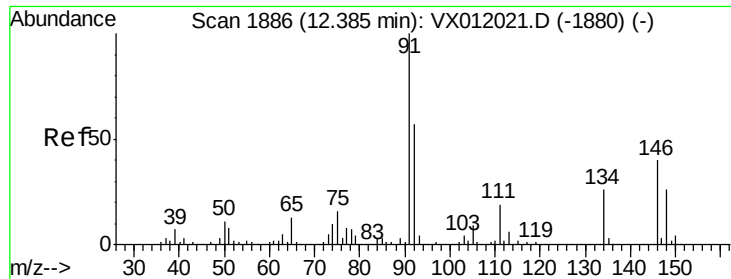
Delta R.T. -0.00 min

Lab File: VX012209.D

Acq: 08 Sep 2019 08:37

Tgt Ion:	117	Resp:	27049
Ion Ratio	Lower	Upper	
117	100		
201	64.2	55.0	165.2





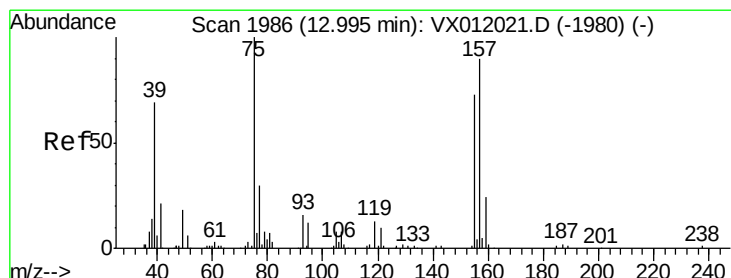
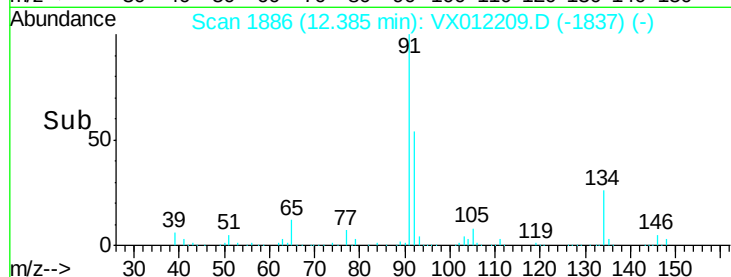
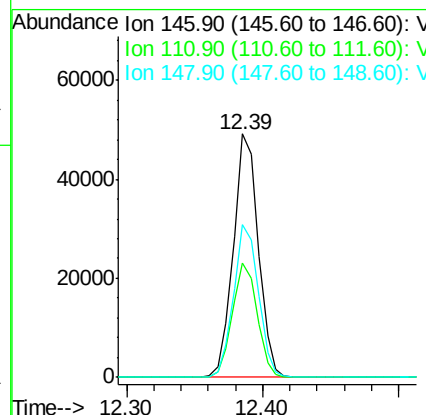
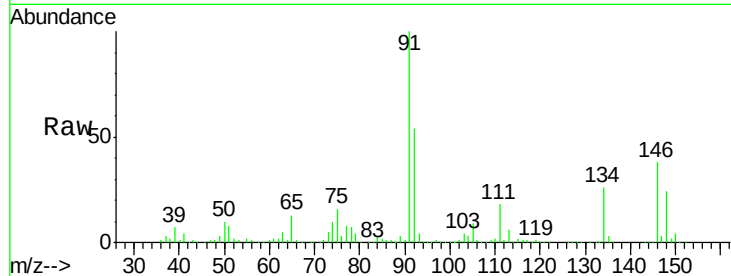
#91
 1,2-Dichlorobenzene
 Concen: 20.263 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	18.6	56.0
148	62.8	32.4	97.2

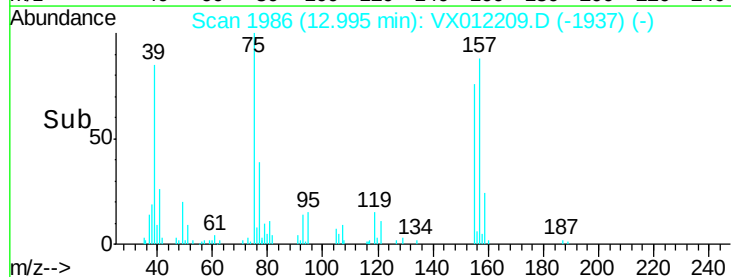
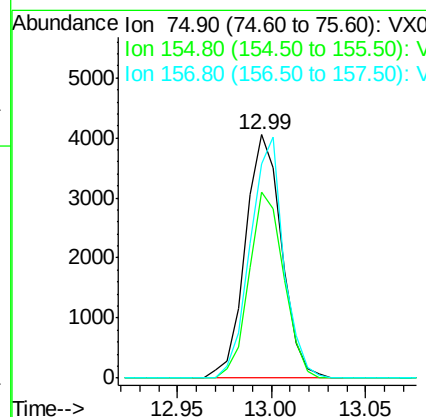
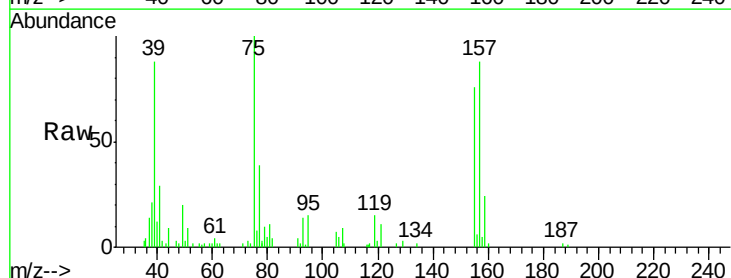
Manual Integrations
 APPROVED

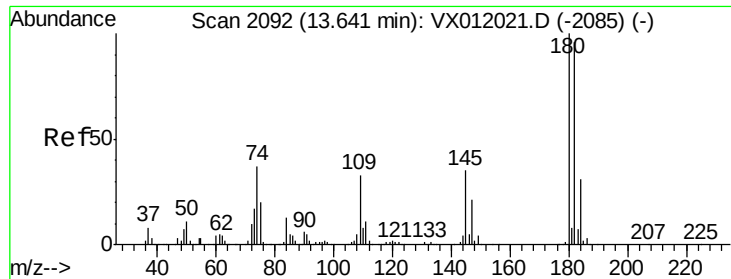
MMDadoda
 9/9/2019 9:23:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.115 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012209.D
 Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	51.7	155.2
157	91.0	66.9	200.7





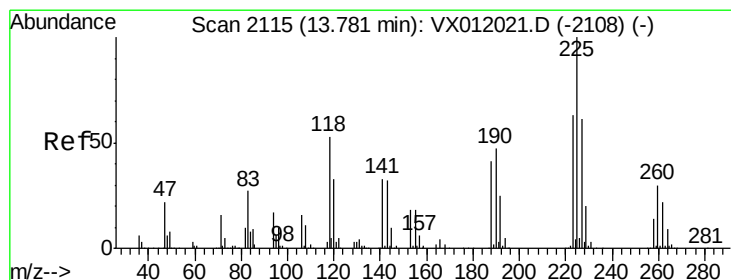
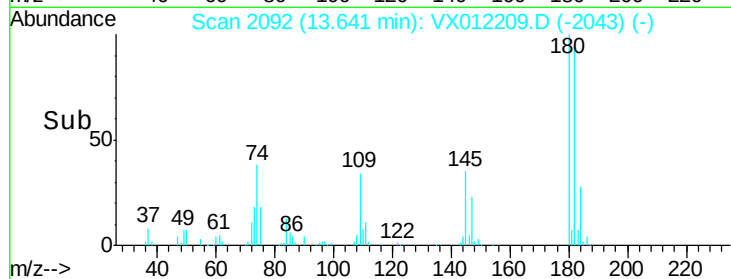
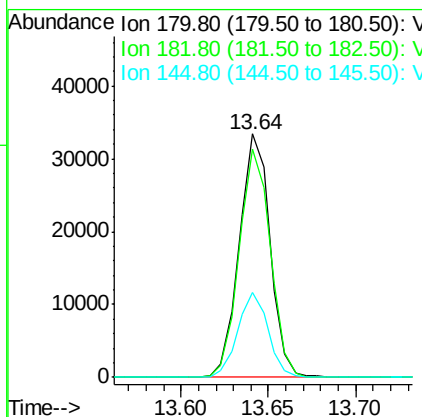
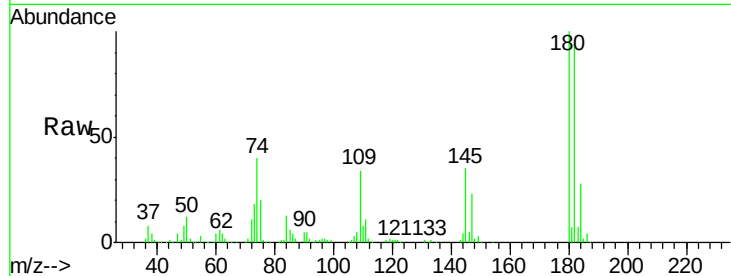
#93
1,2,4-Trichlorobenzene
Concen: 18.563 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	40902		
182	95.0		47.3	142.0
145	34.4		13.7	41.0

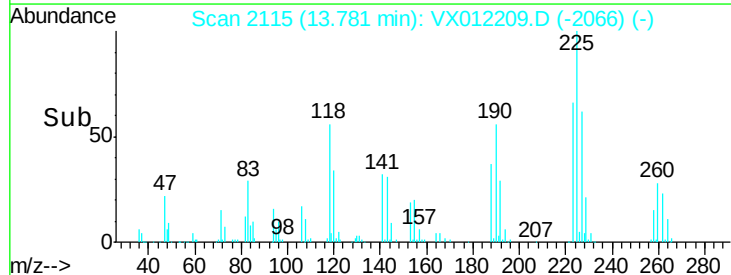
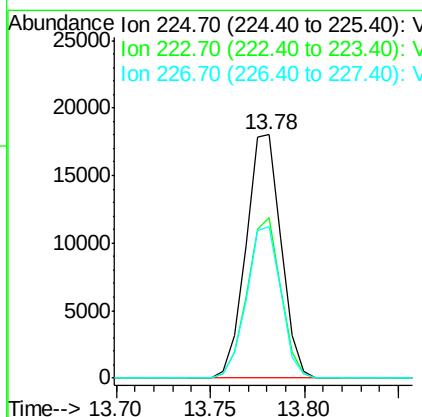
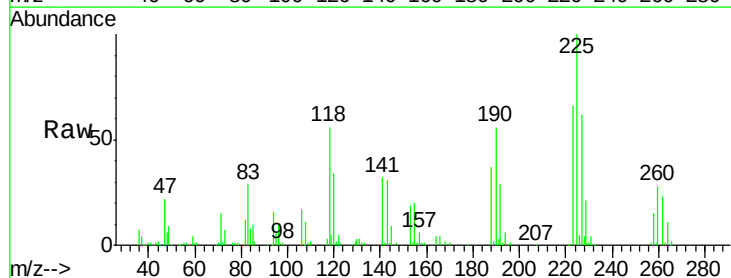
Manual Integrations
APPROVED

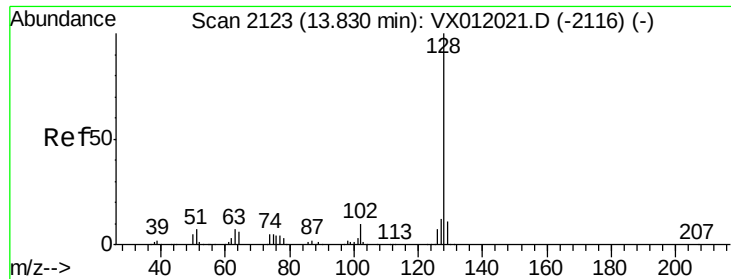
MMDadoda
9/9/2019 9:23:54 AM



#94
Hexachlorobutadiene
Concen: 20.901 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23214		
223	63.3		31.6	95.0
227	60.6		32.5	97.5





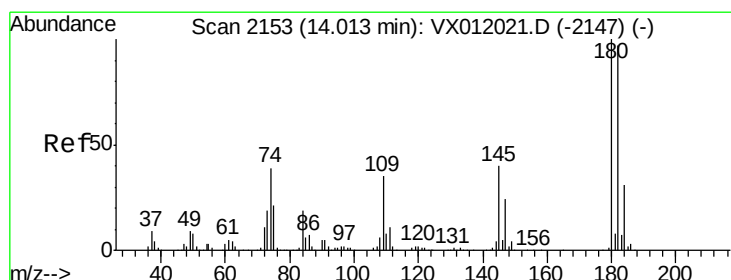
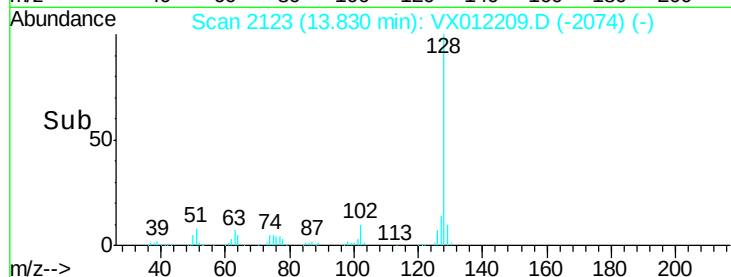
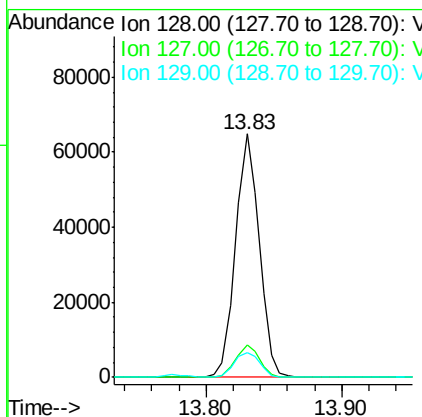
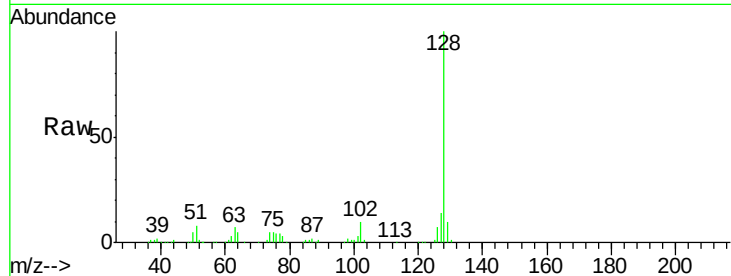
#95
Naphthalene
Concen: 16.474 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Instrument :
MSVOA_X
ClientSampleId :
VX0907SBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	78562		
127	13.5		10.5	15.7
129	11.2		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/9/2019 9:23:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.006 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012209.D
Acq: 08 Sep 2019 08:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	34903		
182	94.1		47.9	143.6
145	37.4		14.1	42.4

