

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080719\
 Data File : VX011377.D
 Acq On : 07 Aug 2019 20:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 10:56:50 AM

Quant Time: Aug 08 07:59:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	159469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	240425	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	88124	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
35) Dibromofluoromethane	5.49	113	77531	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.71	98	289522	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	108879	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	58077	47.154	ug/l	99
3) Chloromethane	1.32	50	64651	46.744	ug/l	100
4) Vinyl Chloride	1.40	62	71295	46.862	ug/l	99
5) Bromomethane	1.63	94	45576	42.004	ug/l	96
6) Chloroethane	1.71	64	48468	51.539	ug/l	98
7) Trichlorofluoromethane	1.92	101	132433	48.956	ug/l	99
8) Diethyl Ether	2.18	74	45475	47.079	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72234	49.351	ug/l	97
10) Methyl Iodide	2.50	142	93043	50.421	ug/l	98
11) Tert butyl alcohol	3.04	59	88887	277.564	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70591	48.653	ug/l	93
13) Acrolein	2.29	56	44613	224.127	ug/l	94
14) Allyl chloride	2.72	41	107913	55.790	ug/l	96
15) Acrylonitrile	3.13	53	208705	273.106	ug/l	97
16) Acetone	2.43	43	178803	233.914	ug/l	95
17) Carbon Disulfide	2.56	76	169588	49.809	ug/l	99
18) Methyl Acetate	2.76	43	98106	56.161	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	236840	55.391	ug/l	99
20) Methylene Chloride	2.85	84	83045	49.607	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	76650	49.941	ug/l	96
22) Diisopropyl ether	3.85	45	234424	55.143	ug/l	99
23) Vinyl Acetate	3.81	43	1025361	290.804	ug/l	98
24) 1,1-Dichloroethane	3.69	63	133716	53.342	ug/l	100
25) 2-Butanone	4.67	43	295956	272.180	ug/l	99
26) 2,2-Dichloropropane	4.58	77	98286	50.438	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	90432	51.154	ug/l	97
28) Bromochloromethane	5.01	49	59161	51.769	ug/l	97
29) Tetrahydrofuran	5.12	42	186472	279.690	ug/l	99
30) Chloroform	5.21	83	148609	54.546	ug/l	99
31) Cyclohexane	5.57	56	107049	51.762	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	129446	55.463	ug/l	99
36) 1,1-Dichloropropene	5.79	75	102857	49.000	ug/l	99
37) Ethyl Acetate	4.82	43	112027	53.205	ug/l	98
38) Carbon Tetrachloride	5.77	117	115215	54.556	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	115188	46.294	ug/l	97
40) Benzene	6.13	78	319725	51.042	ug/l	99
41) Methacrylonitrile	5.03	41	61043	53.084	ug/l	98
42) 1,2-Dichloroethane	6.18	62	116561	55.029	ug/l	98
43) Isopropyl Acetate	6.44	43	179857	53.428	ug/l	100
44) Trichloroethene	7.21	130	93584	49.358	ug/l	99
45) 1,2-Dichloropropane	7.51	63	81108	49.997	ug/l	96
46) Dibromomethane	7.66	93	60249	50.874	ug/l	97
47) Bromodichloromethane	7.90	83	111799	55.758	ug/l	99
48) Methyl methacrylate	7.77	41	89725	56.636	ug/l	97
49) 1,4-Dioxane	7.73	88	44128	960.792	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	608383	280.036	ug/l	99
52) Toluene	8.78	92	210671	50.868	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	117826	50.433	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	128879	55.025	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	91328	53.633	ug/l	99
56) Ethyl methacrylate	9.18	69	134684	55.503	ug/l	97
57) 1,3-Dichloropropane	9.37	76	141568	52.569	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	321980	269.858	ug/l	100
59) 2-Hexanone	9.49	43	470789	279.773	ug/l	98
60) Dibromochloromethane	9.58	129	98568	56.539	ug/l	99
61) 1,2-Dibromoethane	9.67	107	96118	52.246	ug/l	99
64) Tetrachloroethene	9.34	164	102977	53.665	ug/l	97
65) Chlorobenzene	10.13	112	240721	49.687	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	90362	54.480	ug/l	98
67) Ethyl Benzene	10.25	91	417695	51.480	ug/l	99
68) m/p-Xylenes	10.36	106	320625	102.163	ug/l	96
69) o-Xylene	10.69	106	157411	51.048	ug/l	98
70) Styrene	10.71	104	274868	53.872	ug/l	98
71) Bromoform	10.85	173	74654	50.320	ug/l	100
73) Isopropylbenzene	11.02	105	429218	51.362	ug/l	100
74) N-amyl acetate	10.90	43	169692	56.198	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	141501	50.811	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	120469m	54.140	ug/l	
77) Bromobenzene	11.25	156	115317	49.764	ug/l	96
78) n-propylbenzene	11.36	91	477566	51.389	ug/l	99
79) 2-Chlorotoluene	11.42	91	286314	51.691	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	359756	51.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40553	48.786	ug/l	97
82) 4-Chlorotoluene	11.51	91	336000	52.051	ug/l	97
83) tert-Butylbenzene	11.77	119	355105	51.758	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	366515	52.624	ug/l	99
85) sec-Butylbenzene	11.94	105	419667	50.911	ug/l	100
86) p-Isopropyltoluene	12.06	119	386783	51.004	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	205818	50.268	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	204108	48.344	ug/l	98
89) n-Butylbenzene	12.38	91	332784	50.936	ug/l	100
90) Hexachloroethane	12.60	117	61462	54.820	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	204437	49.694	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31016	57.486	ug/l	94

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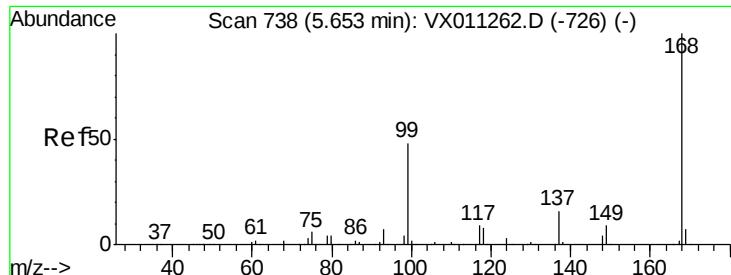
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QLast Update : Fri Aug 02 01:55:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	135984	49.842	ug/l	100
94) Hexachlorobutadiene	13.78	225	65234	47.127	ug/l	99
95) Naphthalene	13.83	128	435375	54.568	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	138654	49.990	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 159469

Ion Ratio Lower Upper

168 100

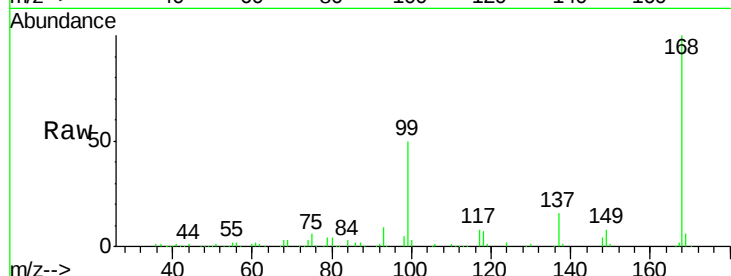
99 49.9 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

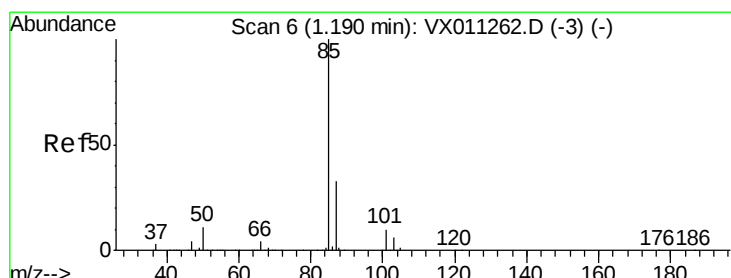
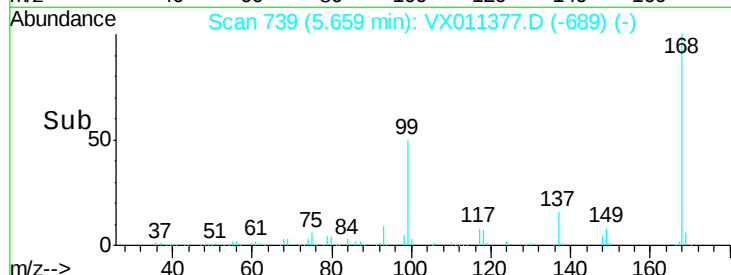
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 47.154 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011377.D

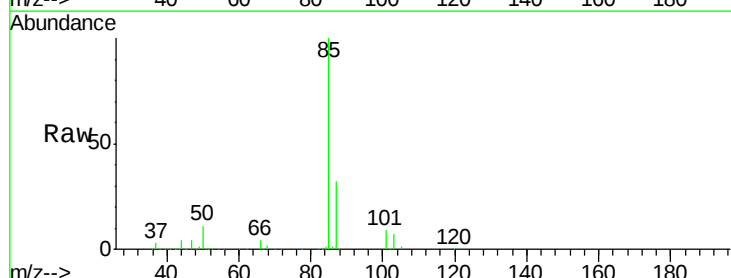
Acq: 07 Aug 2019 20:48

Tgt Ion: 85 Resp: 58077

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

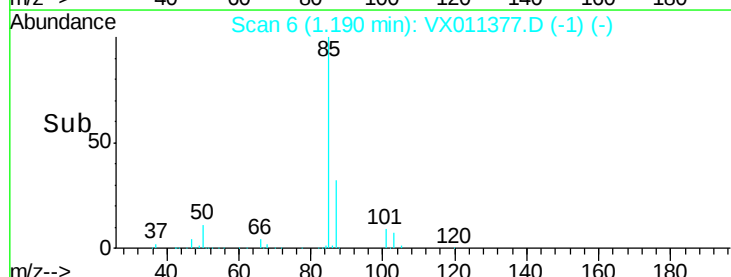
60000

40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 46.744 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 64651

Ion Ratio Lower Upper

50 100

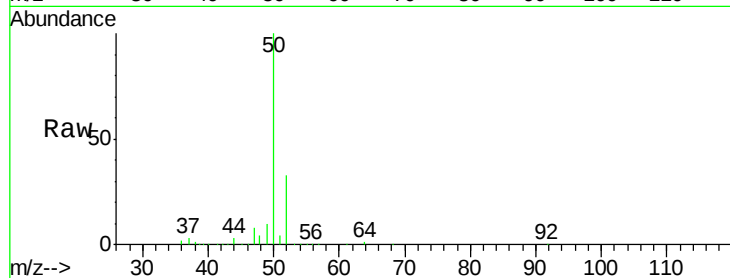
52 32.8 26.4 39.6

Manual Integrations

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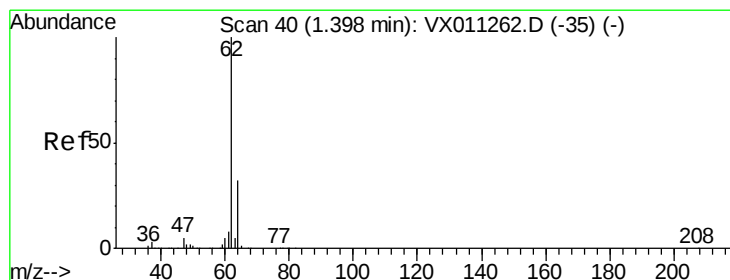
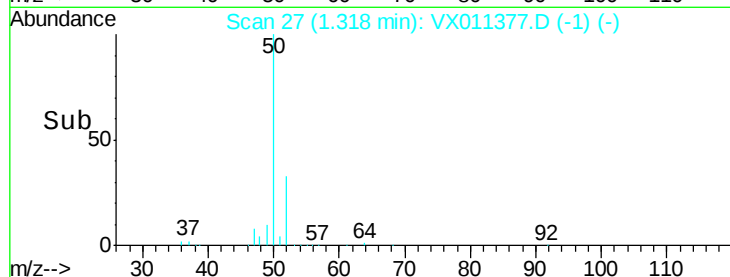
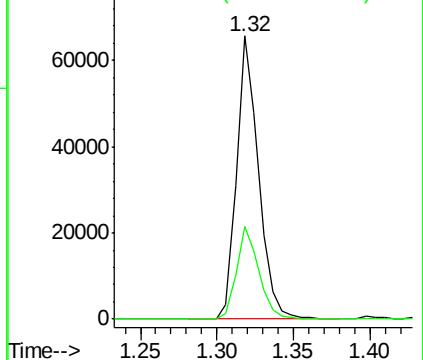
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.862 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011377.D

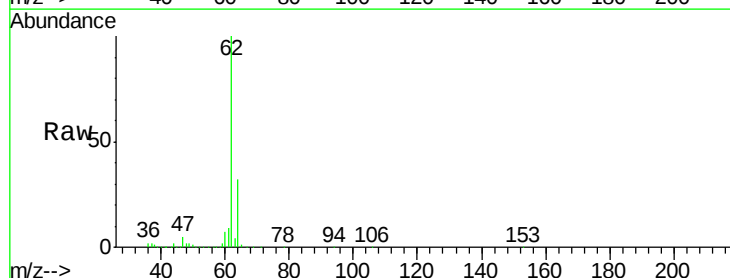
Acq: 07 Aug 2019 20:48

Tgt Ion: 62 Resp: 71295

Ion Ratio Lower Upper

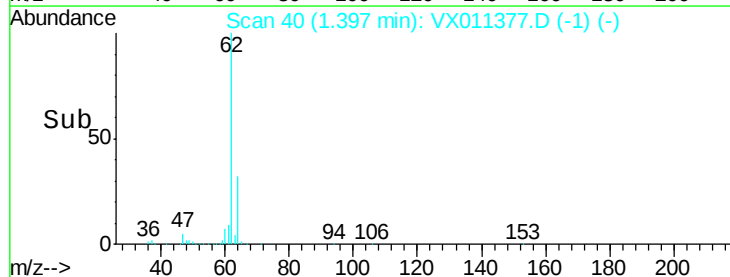
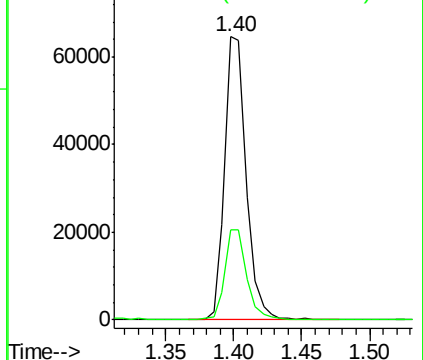
62 100

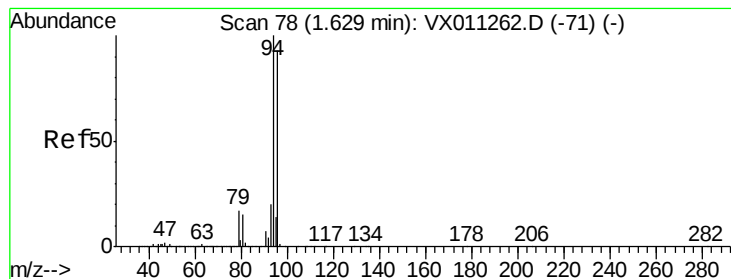
64 31.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.004 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 45576

Ion Ratio Lower Upper

94 100

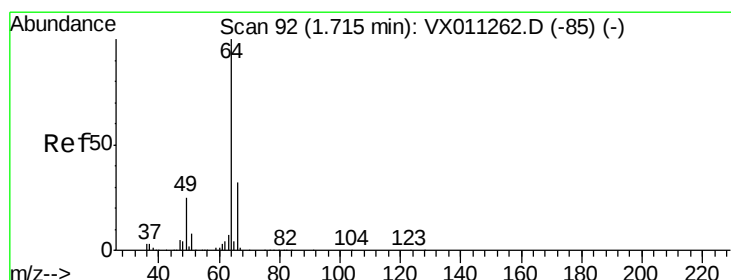
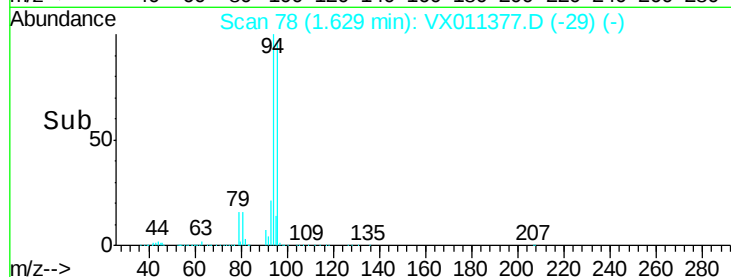
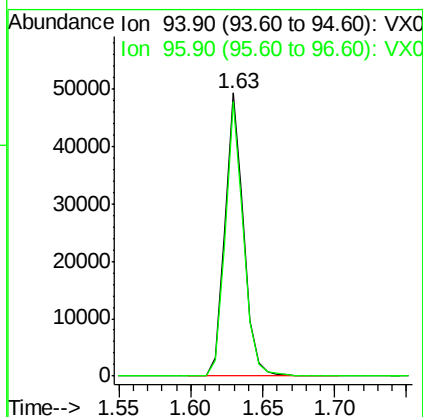
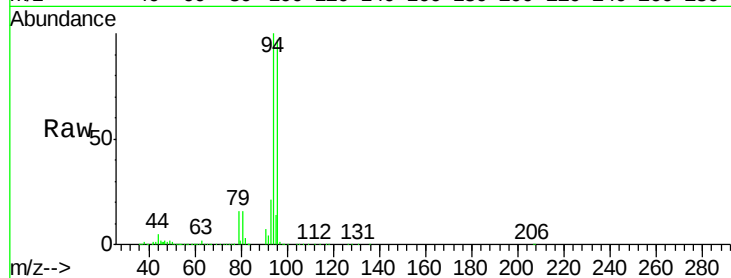
96 97.1 74.6 112.0

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#6

Chloroethane

Concen: 51.539 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011377.D

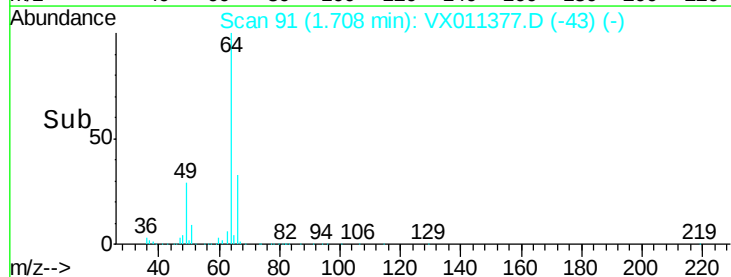
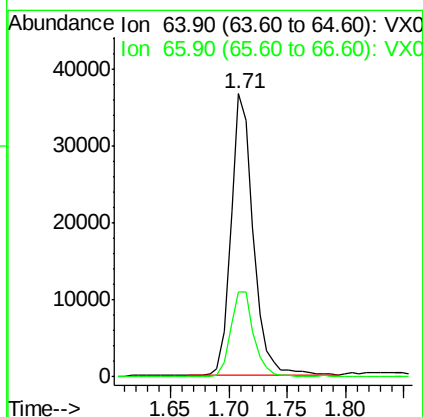
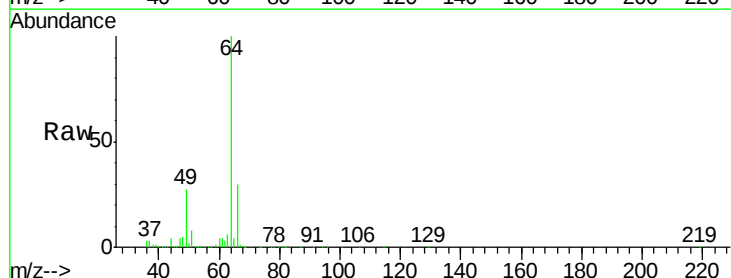
Acq: 07 Aug 2019 20:48

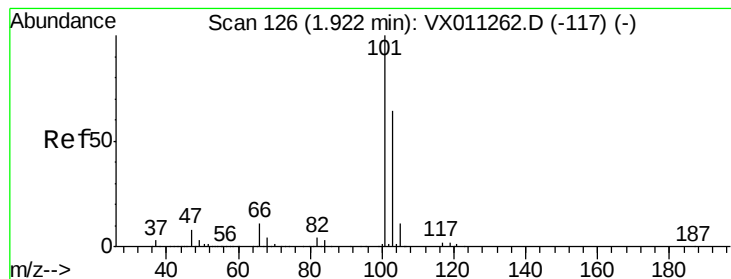
Tgt Ion: 64 Resp: 48468

Ion Ratio Lower Upper

64 100

66 30.4 25.1 37.7





#7

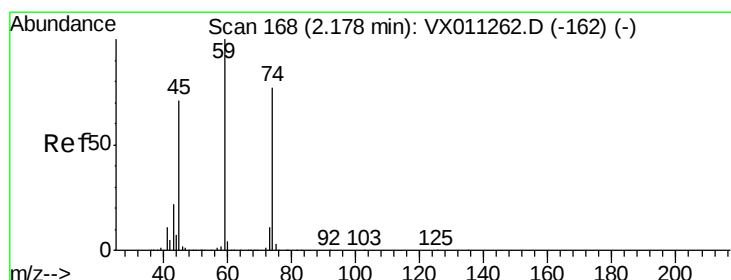
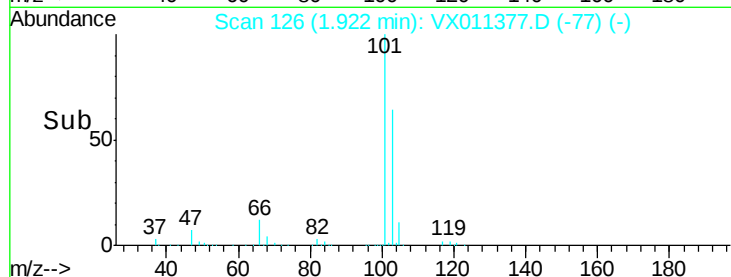
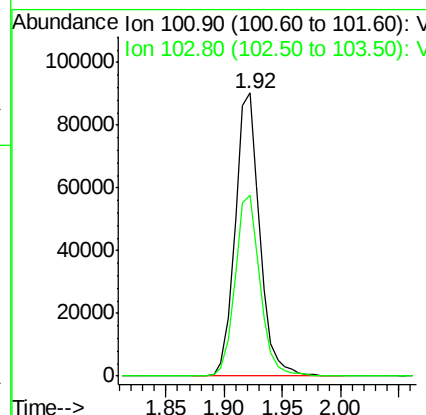
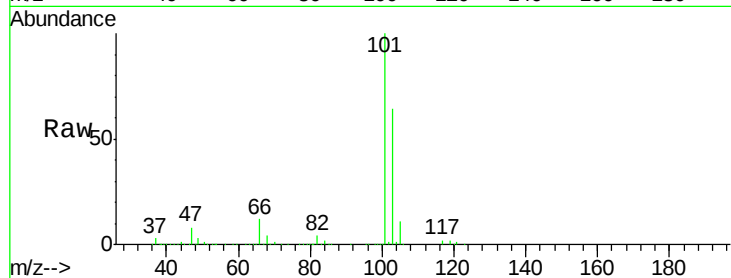
Trichlorofluoromethane
Concen: 48.956 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.9	76.3

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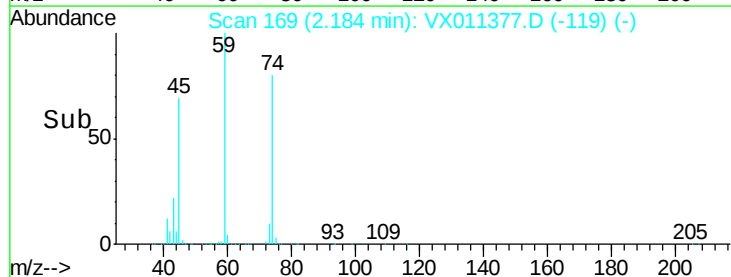
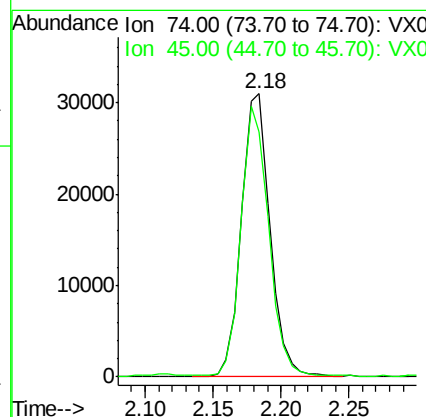
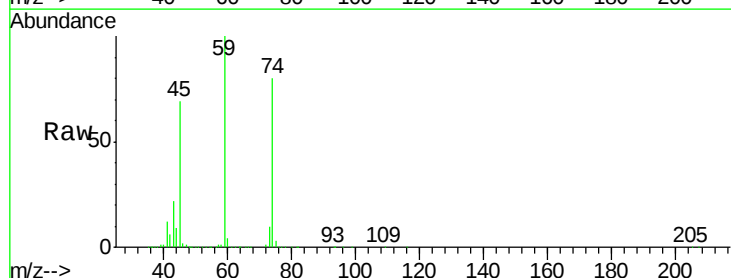
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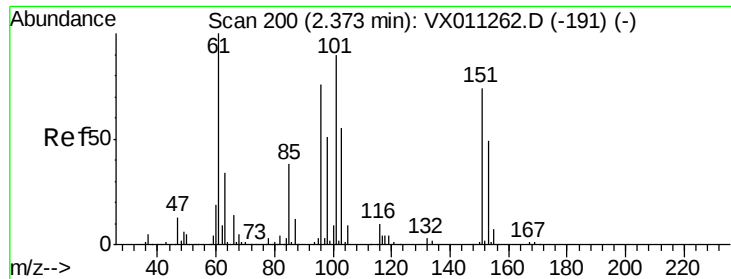


#8

Diethyl Ether
Concen: 47.079 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.351 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

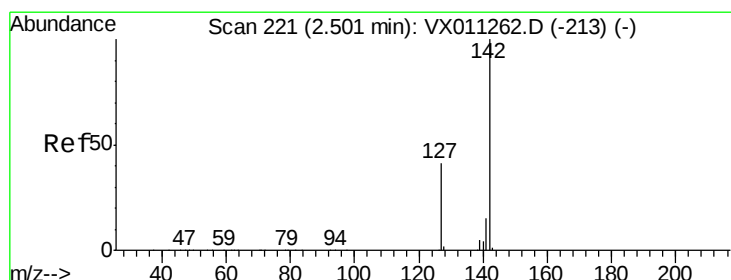
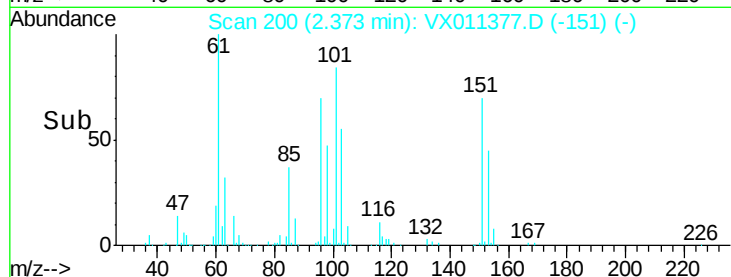
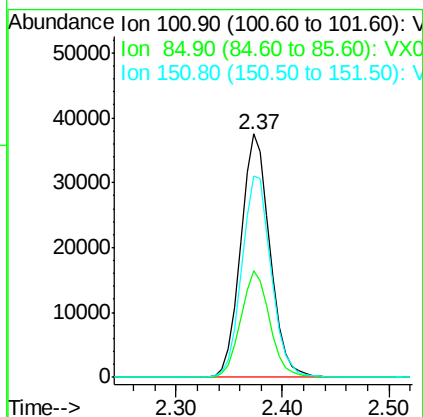
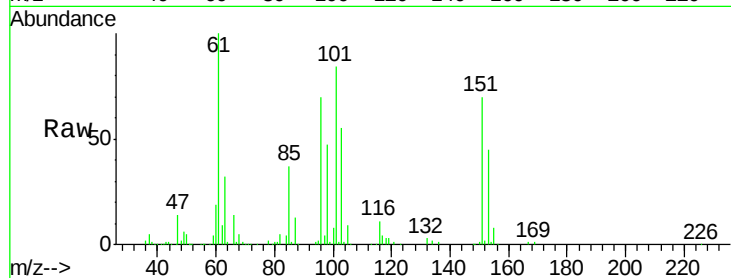
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	72234
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.8	50.6
151	83.5	69.5	104.3

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#10

Methyl Iodide

Concen: 50.421 ug/l

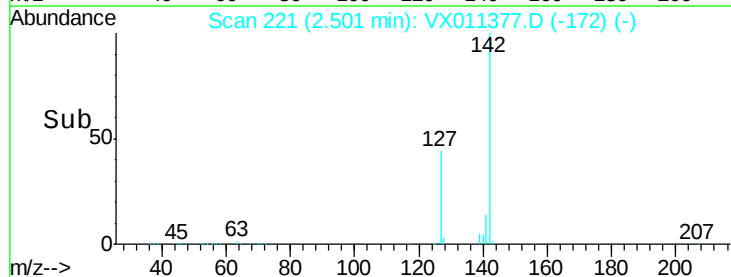
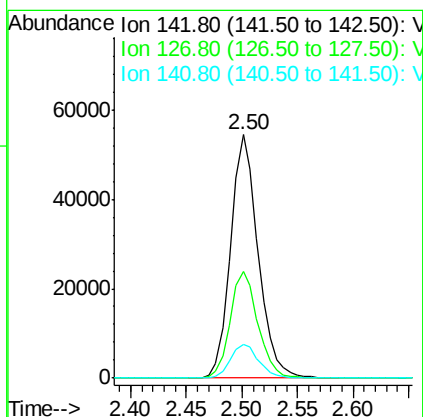
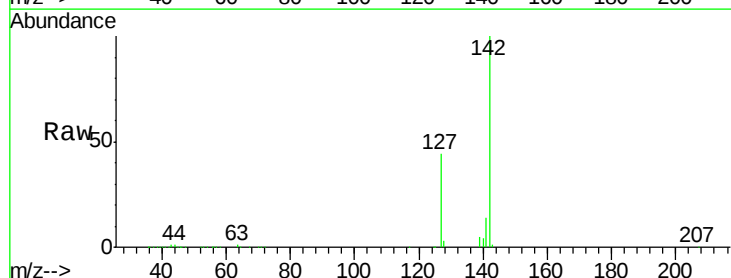
RT: 2.50 min Scan# 221

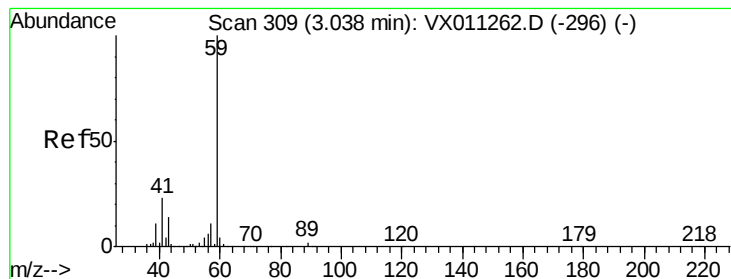
Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion:	142	Resp:	93043
Ion Ratio	Lower	Upper	
142	100		
127	44.0	33.8	50.8
141	14.3	11.4	17.2





#11

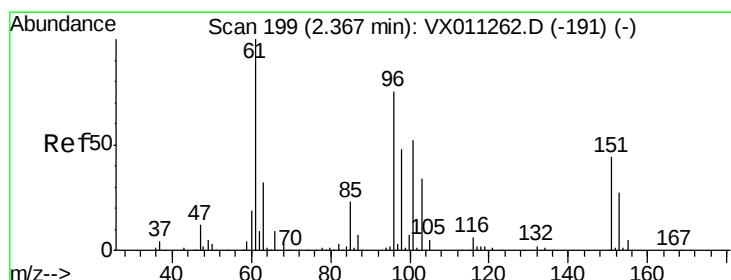
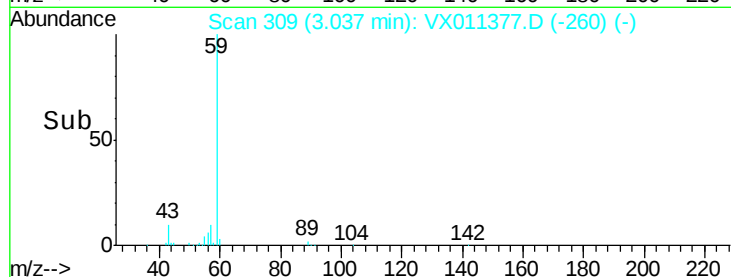
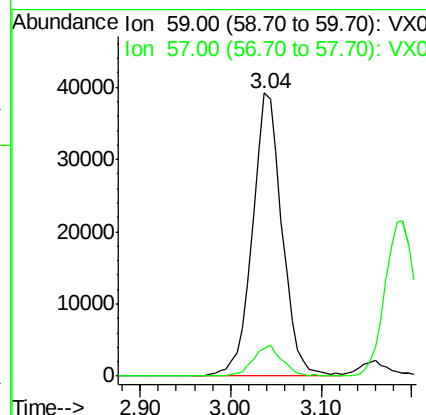
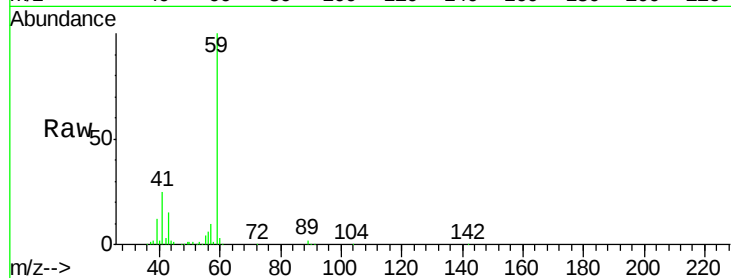
Tert butyl alcohol
Concen: 277.564 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	88887
Ion Ratio	100	Lower	Upper
57	10.8	8.3	12.5

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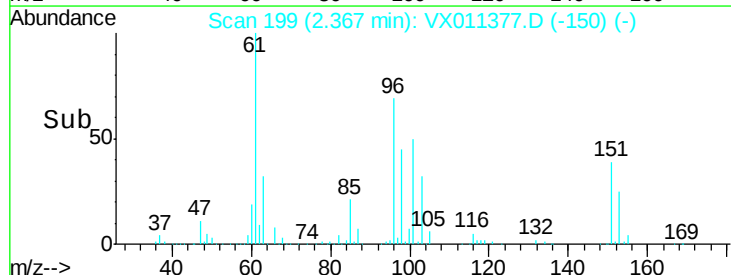
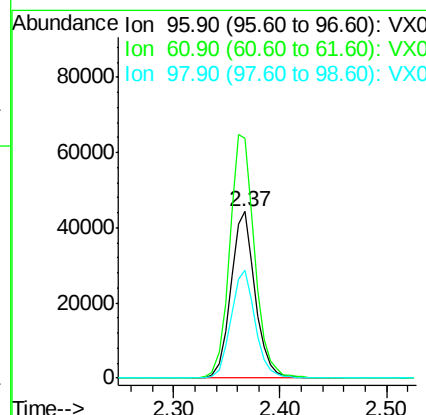
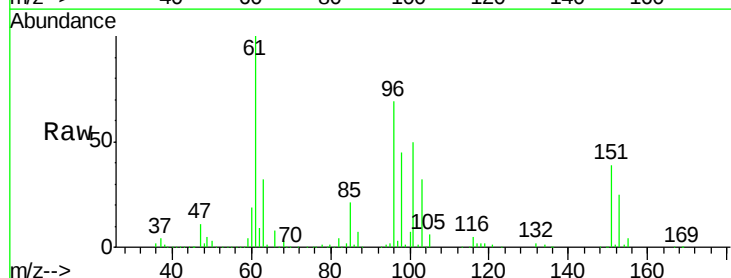
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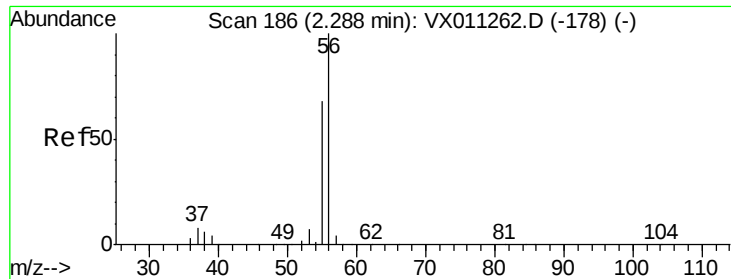


#12

1,1-Dichloroethene
Concen: 48.653 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	96	Resp	70591
Ion Ratio	100	Lower	Upper
61	144.0	106.2	159.2
98	64.6	50.6	75.8





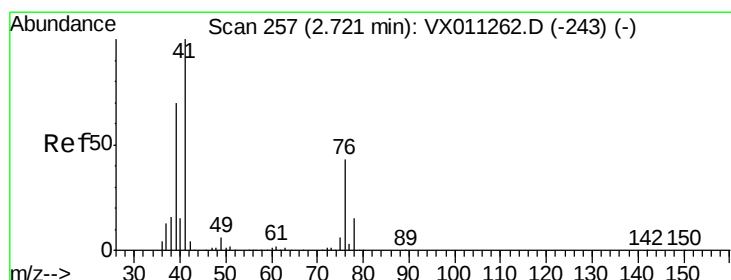
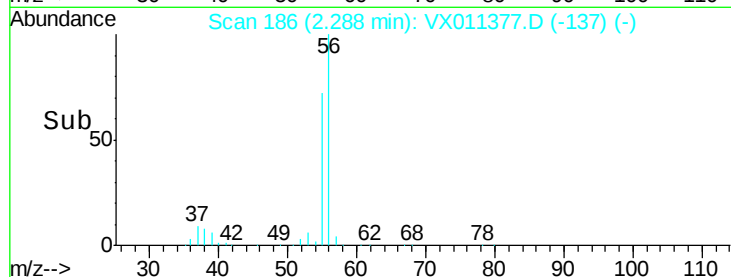
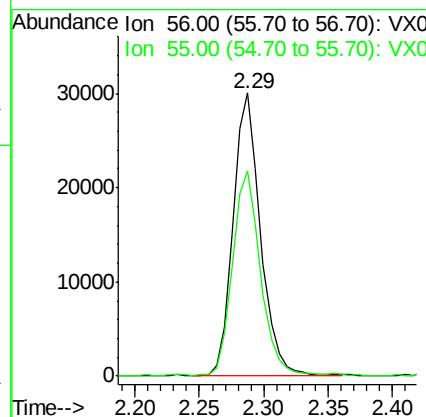
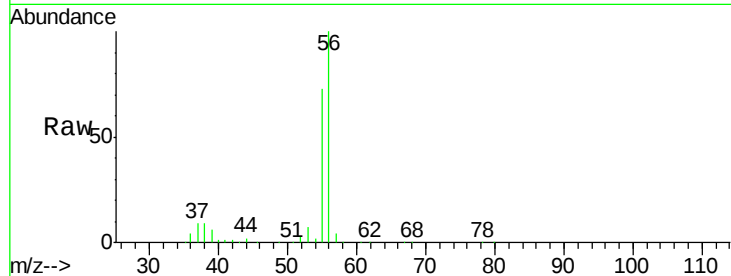
#13
Acrolein
Concen: 224.127 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	44613
Ion Ratio	100	Lower	Upper
55	74.7	56.0	84.0

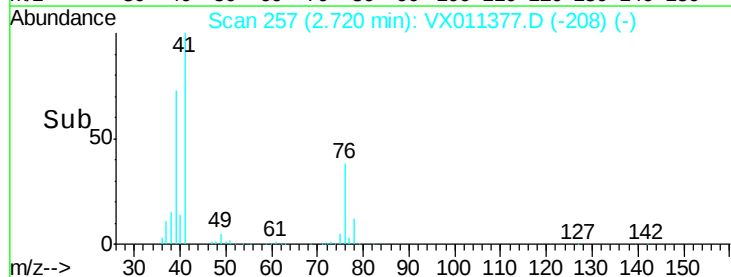
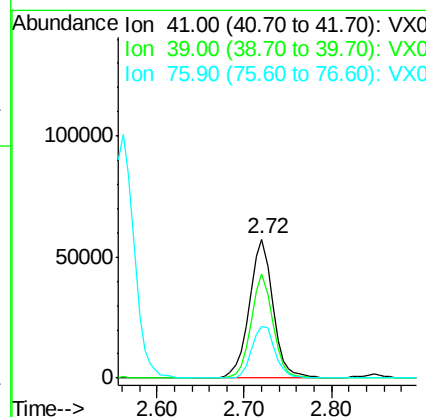
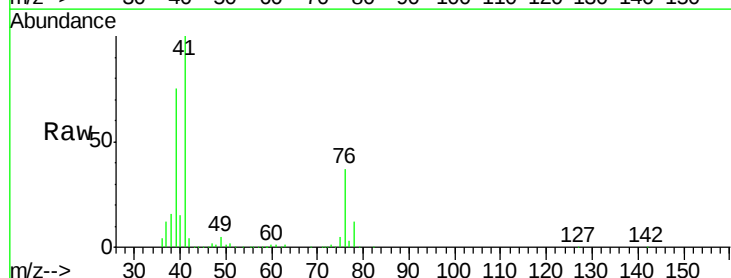
Manual Integrations
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#14
Allyl chloride
Concen: 55.790 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	41	Resp	107913
Ion Ratio	100	Lower	Upper
39	69.3	52.8	79.2
76	36.3	31.1	46.7





#15

Acrylonitrile

Concen: 273.106 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

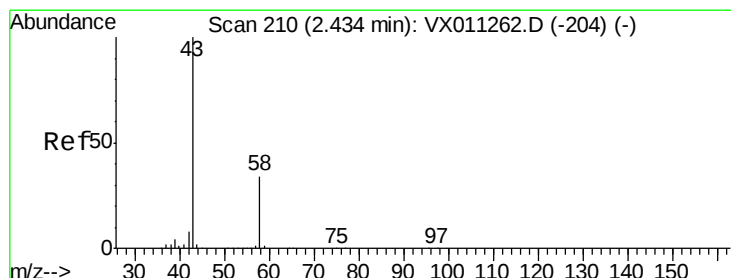
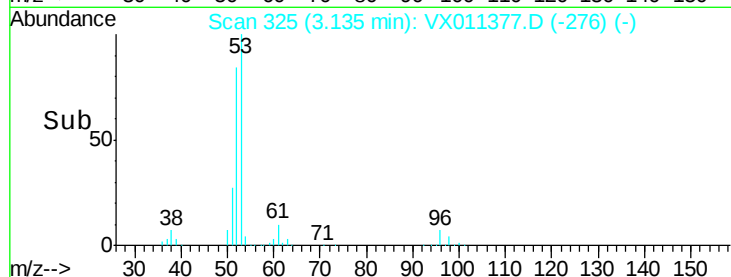
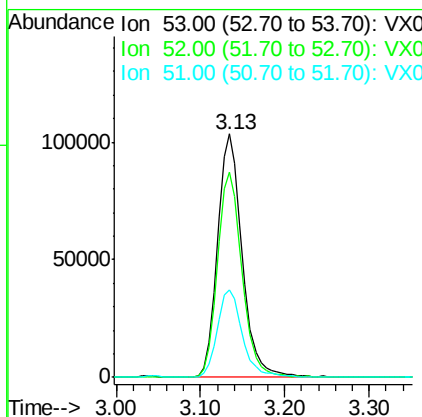
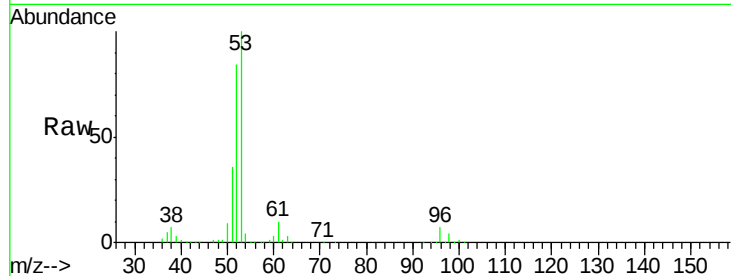
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	208705
Ion Ratio		Lower	Upper
53	100		
52	83.9	65.5	98.3
51	36.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 233.914 ug/l

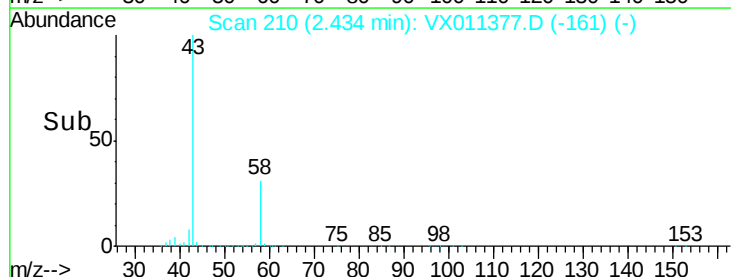
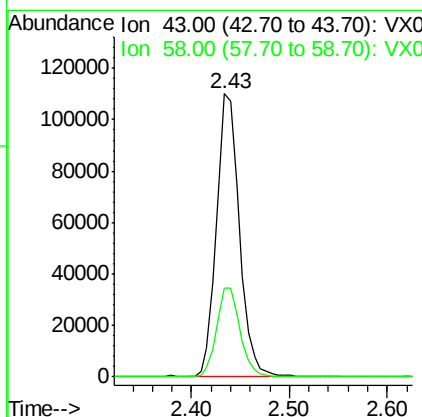
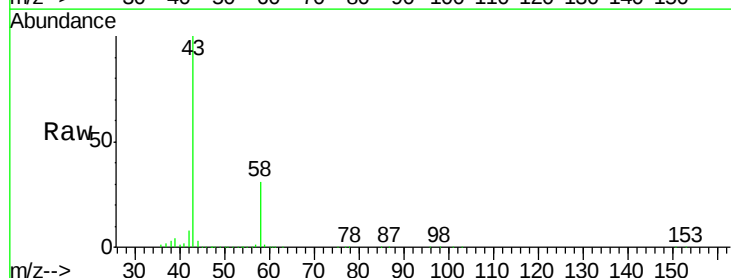
RT: 2.43 min Scan# 210

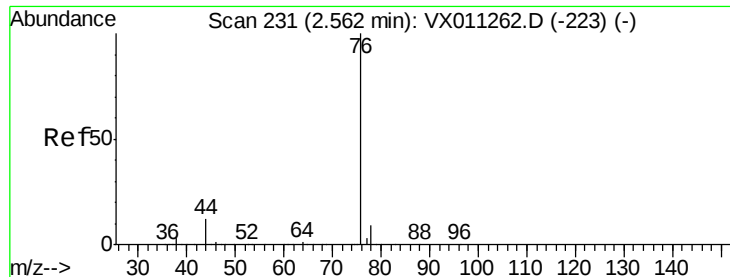
Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion:	43	Resp:	178803
Ion Ratio		Lower	Upper
43	100		
58	31.4	27.4	41.0





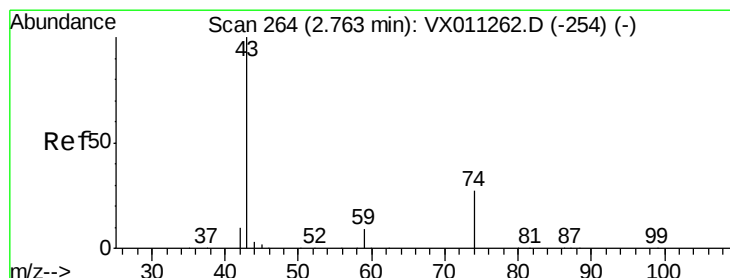
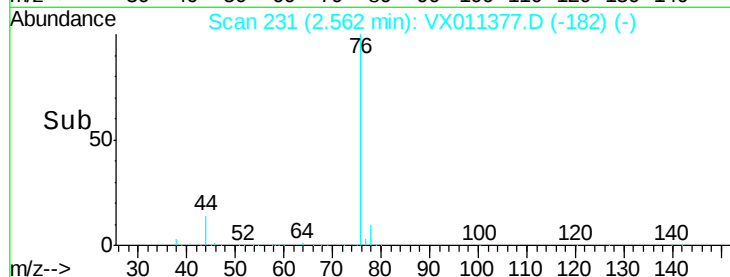
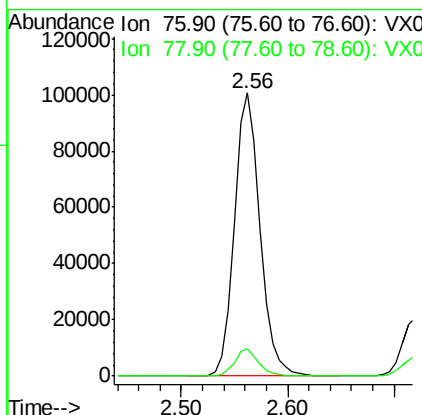
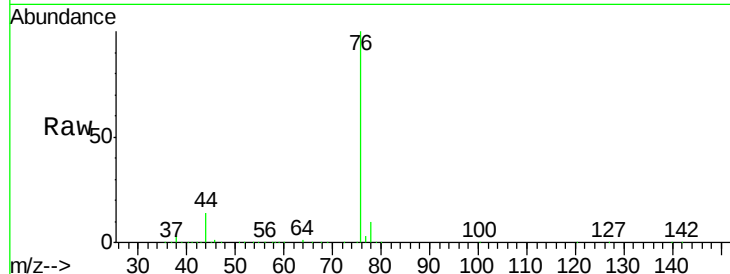
#17
Carbon Disulfide
Concen: 49.809 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.0

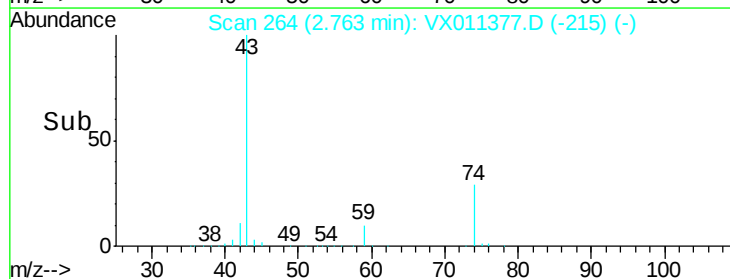
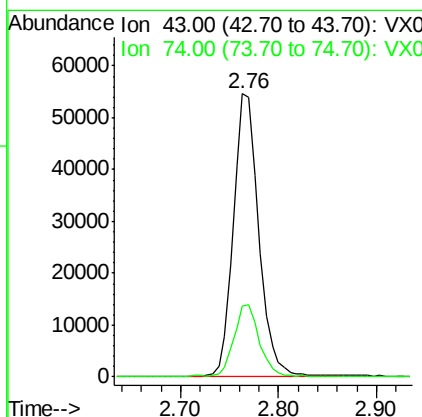
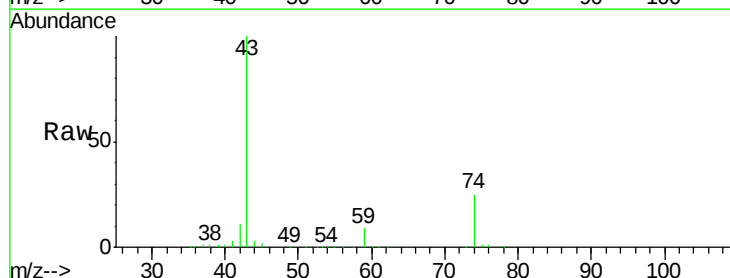
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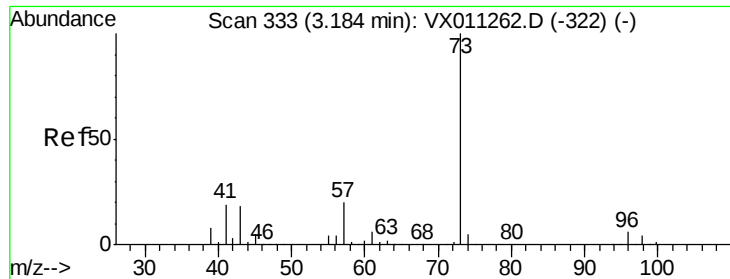
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#18
Methyl Acetate
Concen: 56.161 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.0	31.6





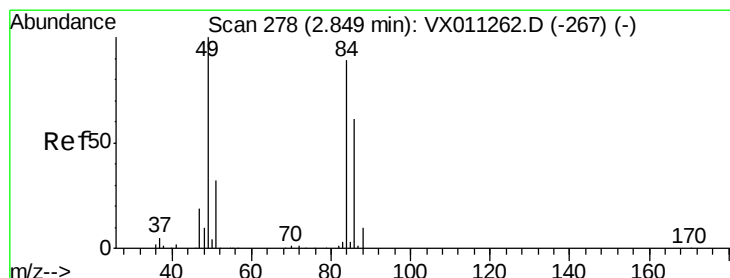
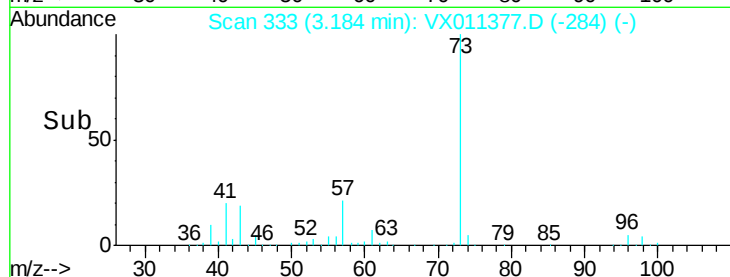
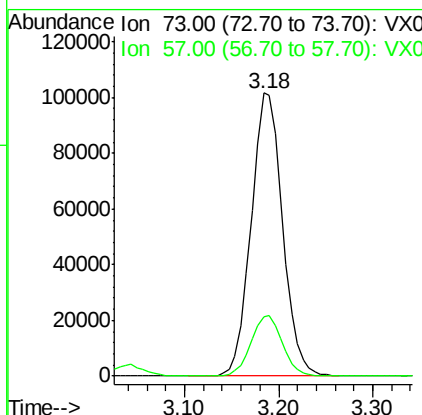
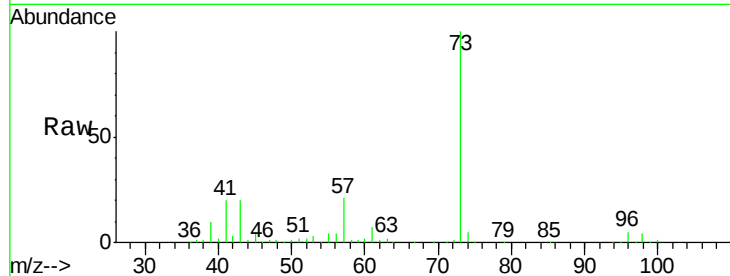
#19
Methvl tert-butvl Ether
Concen: 55.391 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.2	24.2

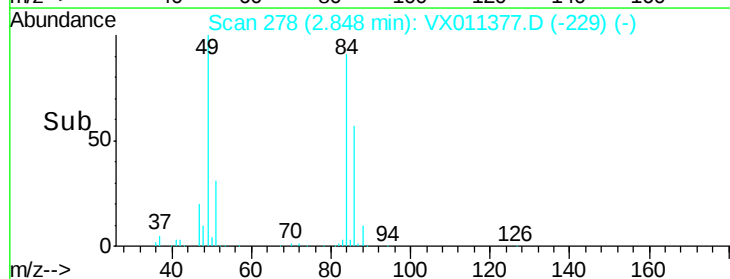
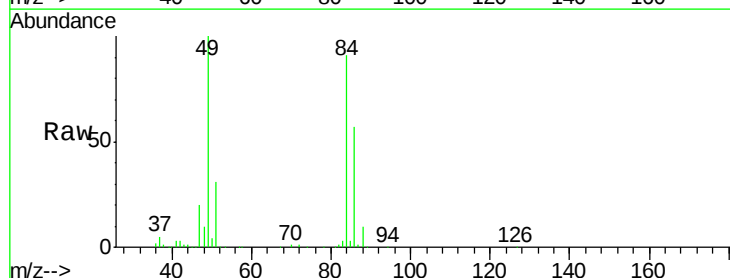
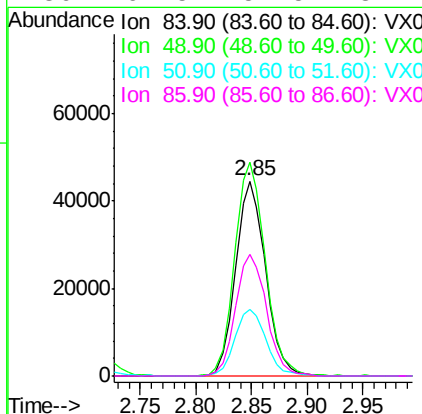
Manual Integrations
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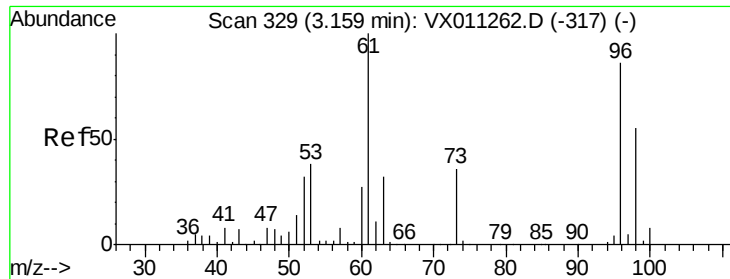
MMDadoda
8/8/2019 10:56:50 AM



#20
Methylene Chloride
Concen: 49.607 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.4	89.3	133.9
51	34.1	28.3	42.5
86	62.5	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 49.941 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 76650

Ion Ratio Lower Upper

96 100

61 123.2 92.8 139.2

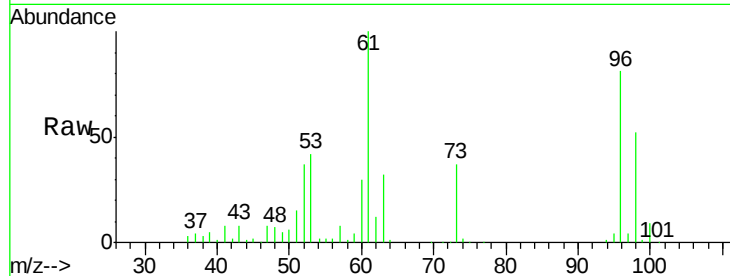
98 64.2 51.2 76.8

Manual Integrations

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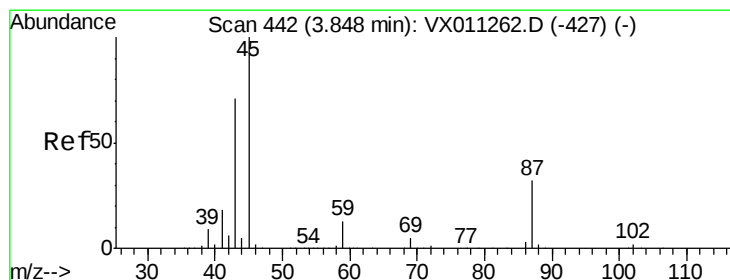
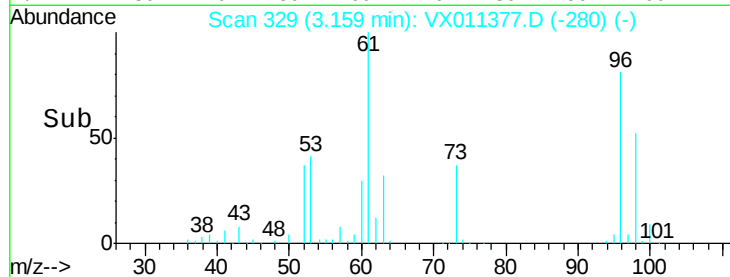
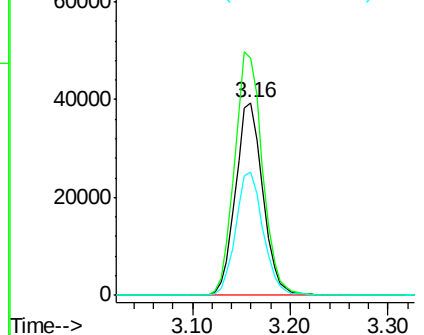
8/8/2019 10:56:50 AM



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: 55.143 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion: 45 Resp: 234424

Ion Ratio Lower Upper

45 100

43 70.8 56.8 85.2

87 32.9 25.8 38.6

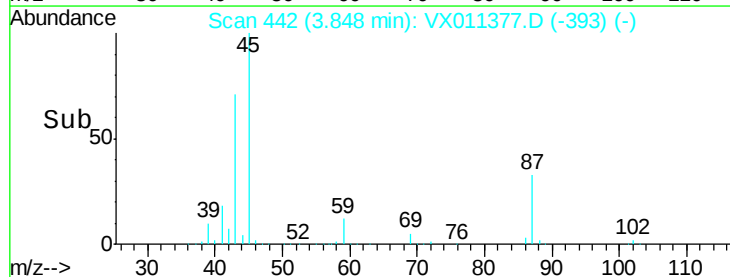
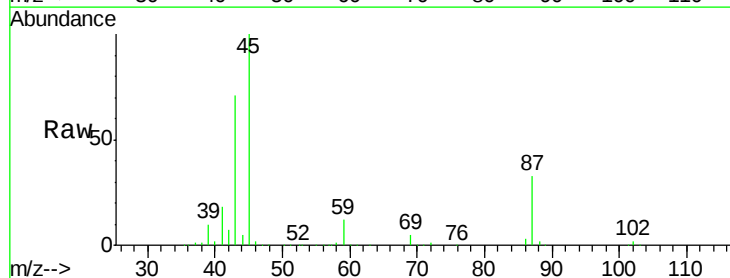
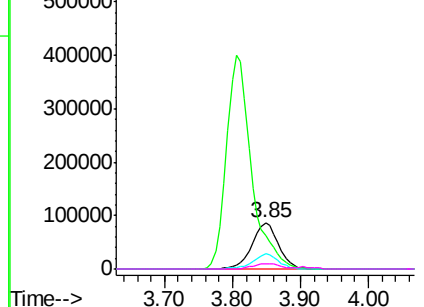
59 11.9 10.3 15.5

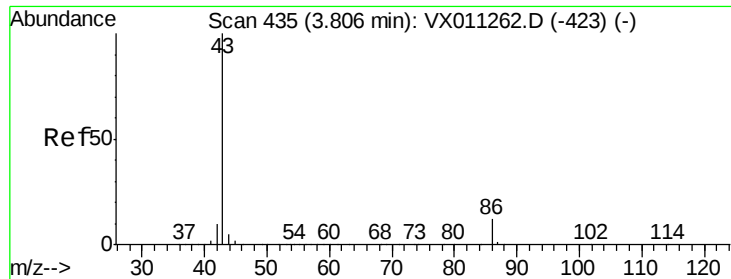
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 290.804 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1025361

Ion Ratio Lower Upper

43 100

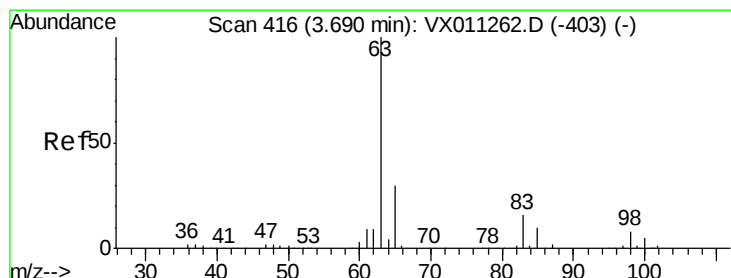
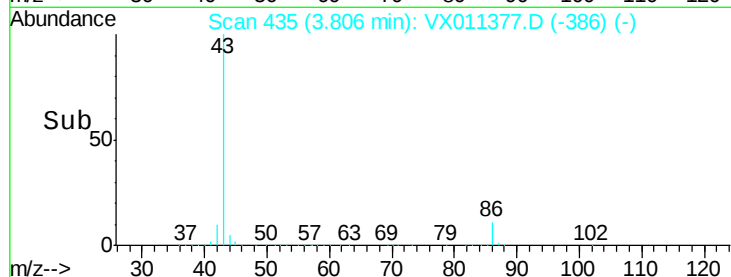
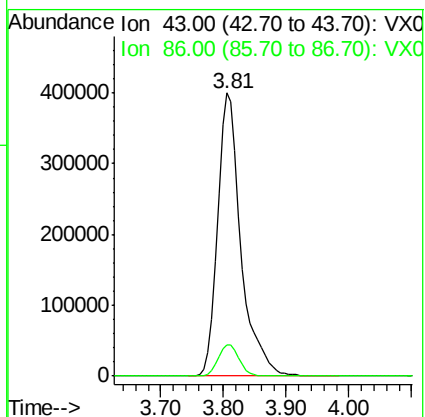
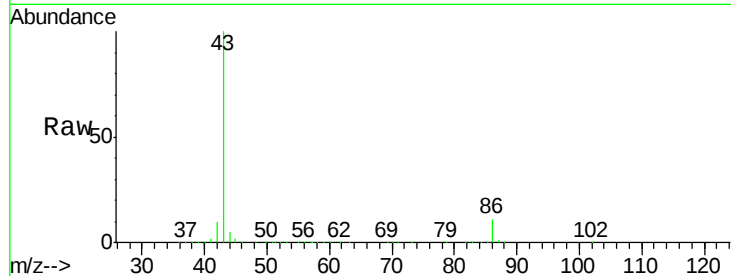
86 11.2 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 53.342 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

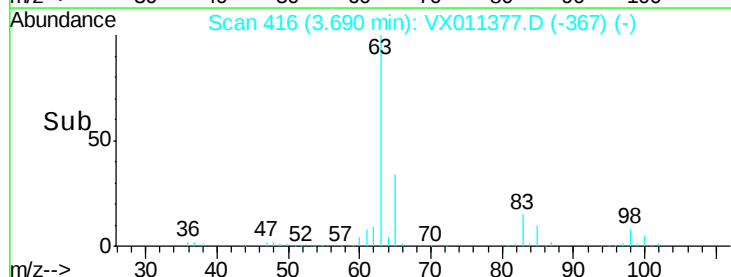
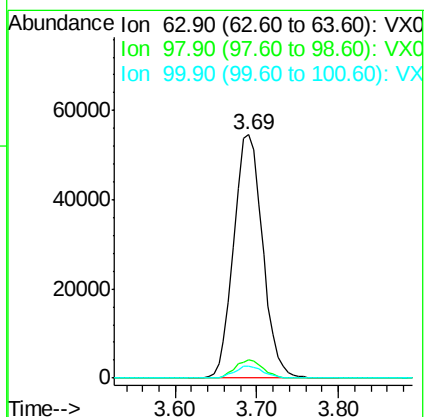
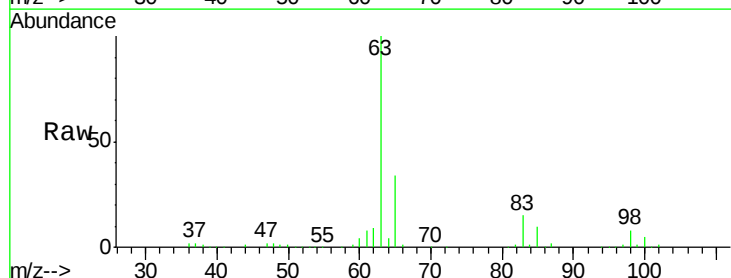
Tgt Ion: 63 Resp: 133716

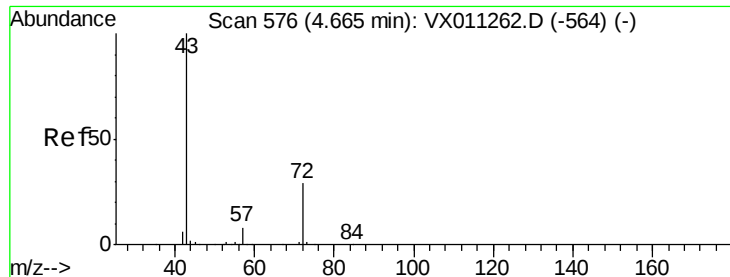
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.5

100 5.2 2.7 8.1





#25

2-Butanone

Concen: 272.180 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 295956

Ion Ratio Lower Upper

43 100

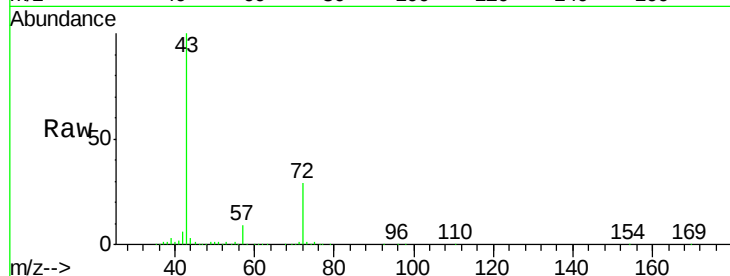
72 28.5 23.2 34.8

Manual Integrations

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8/8/2019 10:56:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

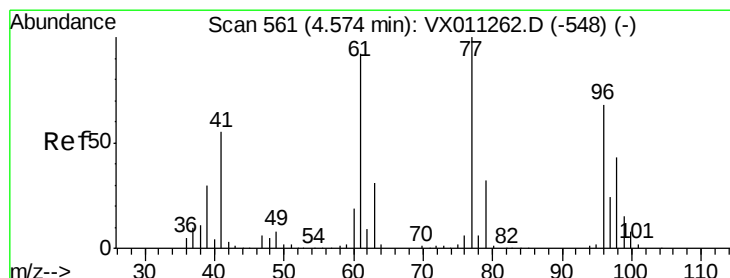
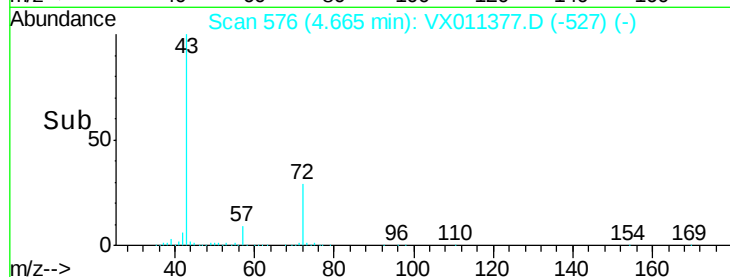
20000

0

4.67

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.438 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011377.D

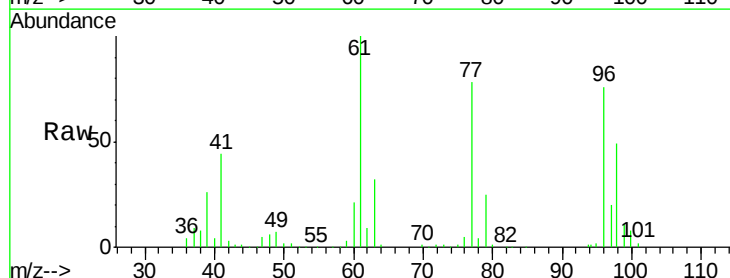
Acq: 07 Aug 2019 20:48

Tgt Ion: 77 Resp: 98286

Ion Ratio Lower Upper

77 100

97 24.6 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

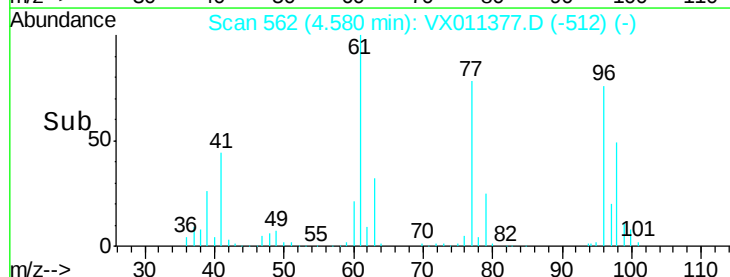
10000

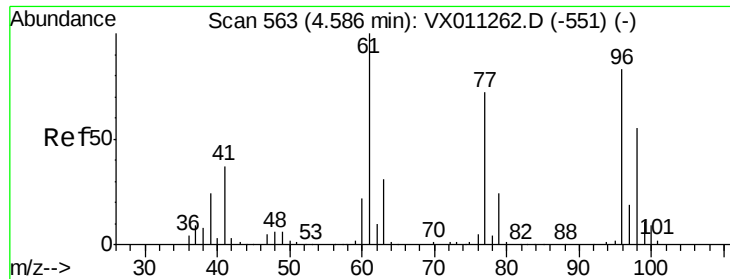
0

4.58

4.40 4.50 4.60 4.70 4.80

Time-->





#27

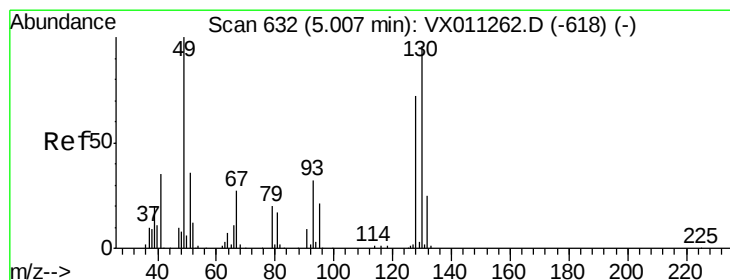
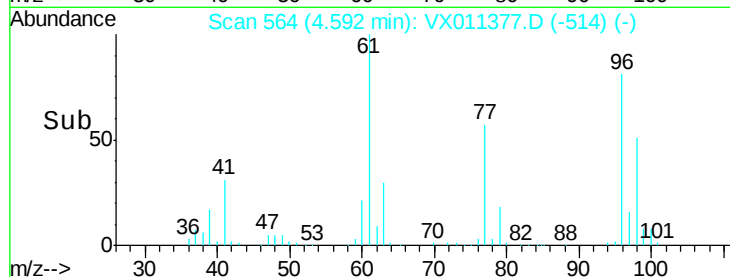
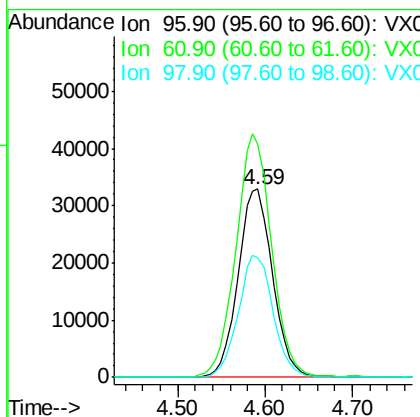
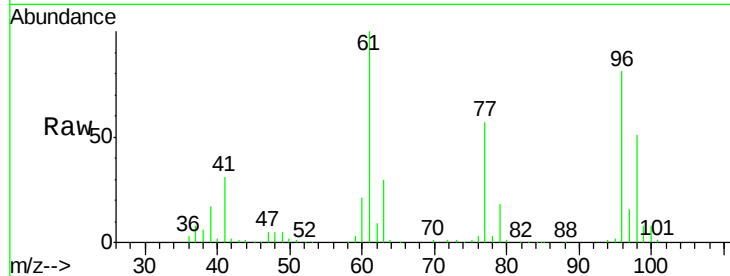
cis-1,2-Dichloroethene
Concen: 51.154 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.8	0.0	260.2	
98	65.2	0.0	133.2	

Manual Integrations
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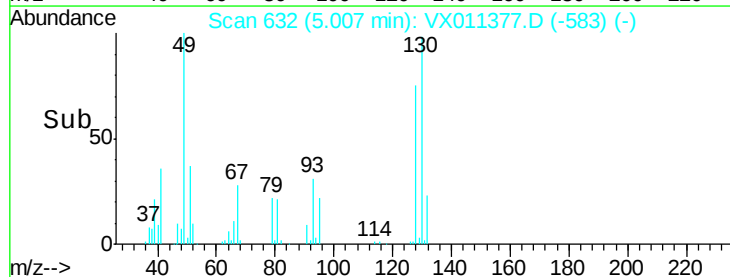
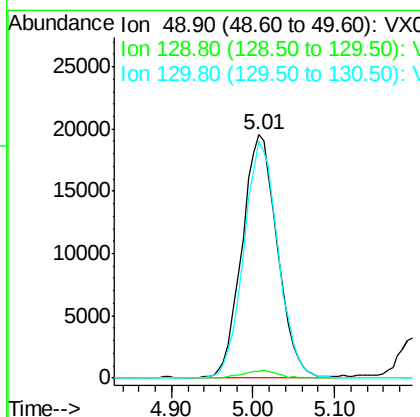
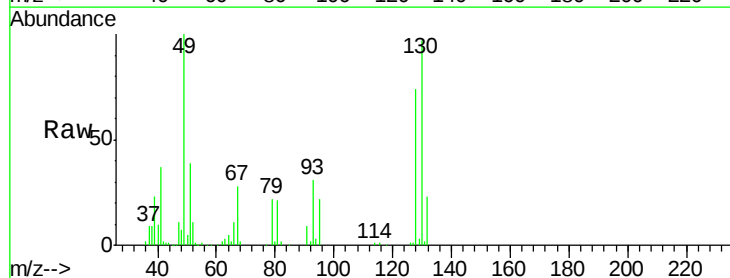
MMDadoda
8/8/2019 10:56:50 AM

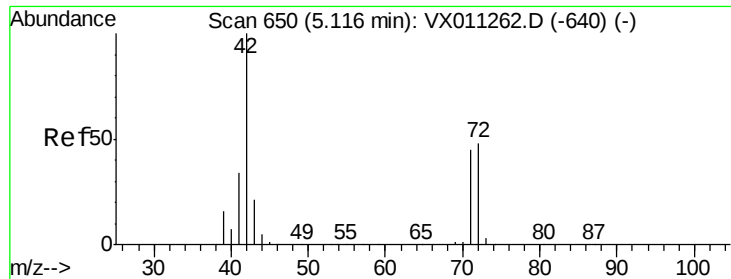


#28

Bromochloromethane
Concen: 51.769 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.0	0.0	5.8	
130	94.5	77.9	116.9	





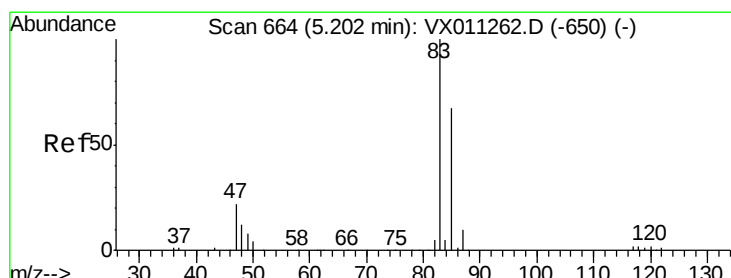
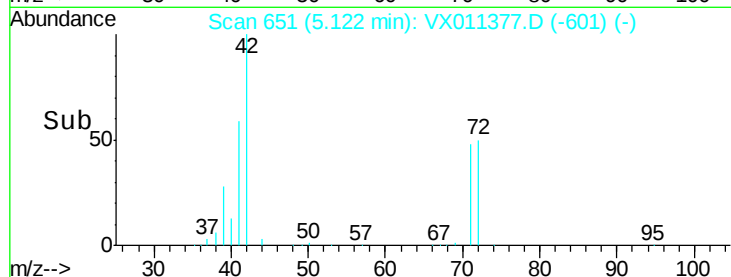
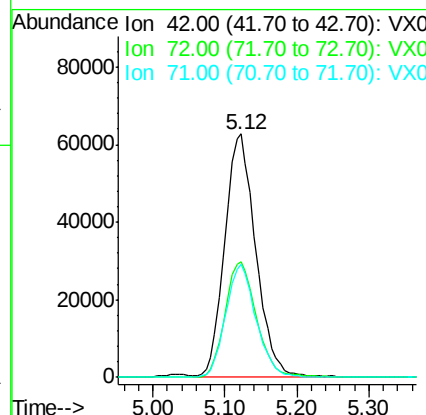
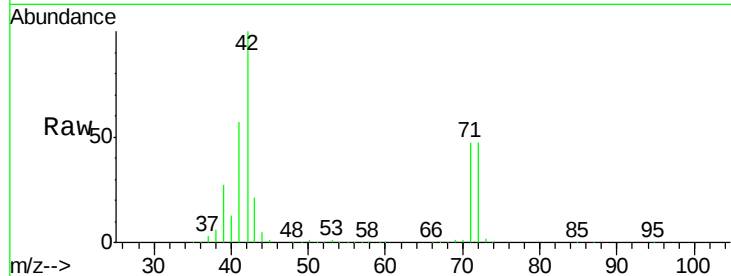
#29
Tetrahydrofuran
Concen: 279.690 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.9	59.9
71	46.0	36.9	55.3

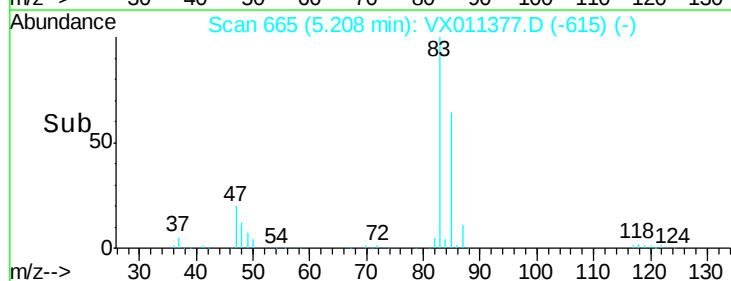
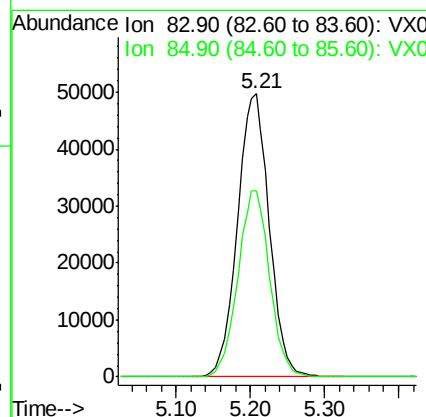
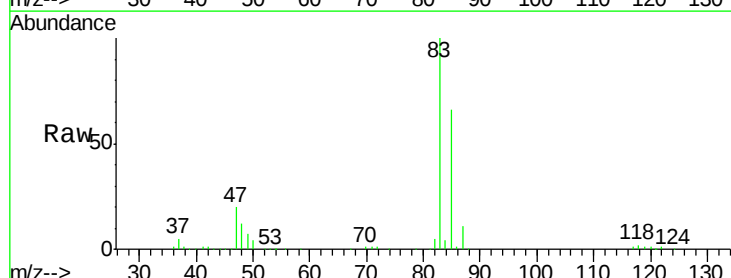
Manual Integrations
APPROVED

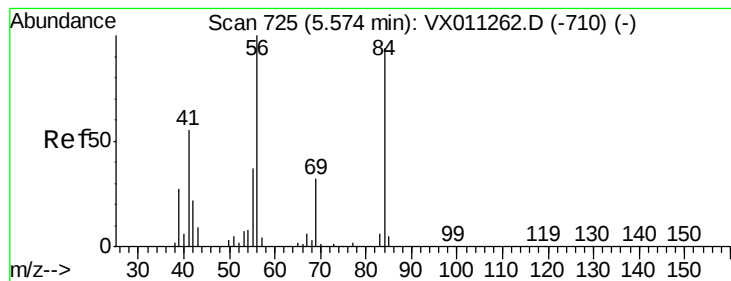
MMDadoda
8/8/2019 10:56:50 AM



#30
Chloroform
Concen: 54.546 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.4	80.0





#31

Cyclohexane

Concen: 51.762 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

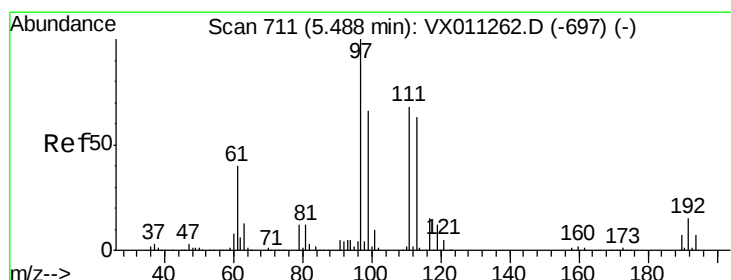
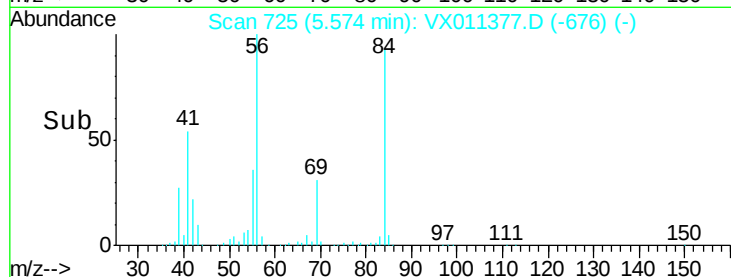
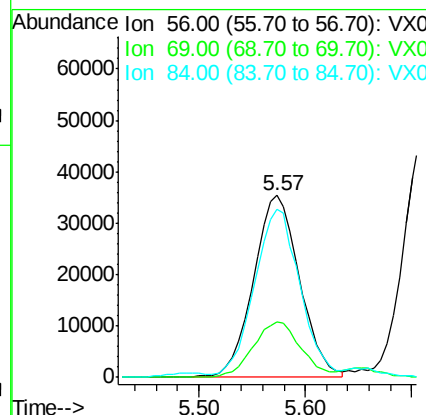
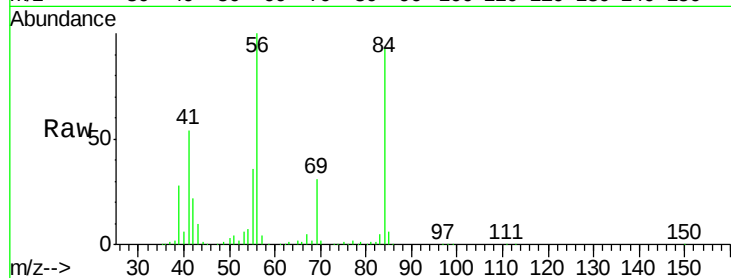
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	107049
Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.5	38.3
84	90.6	75.0	112.4

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 55.463 ug/l

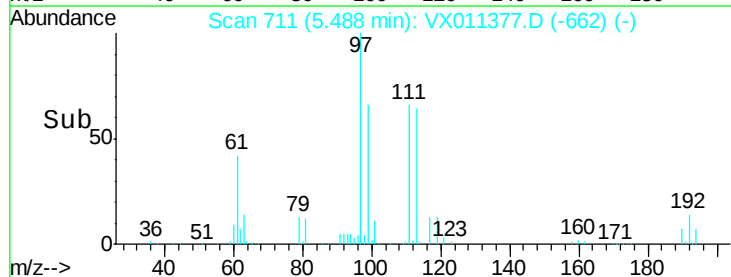
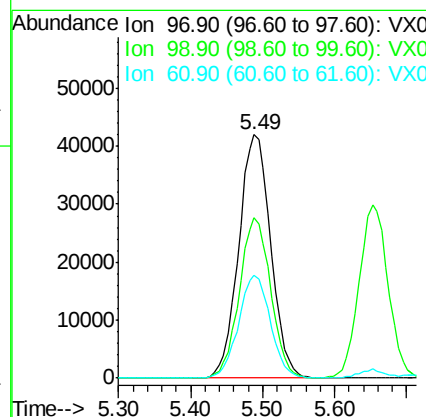
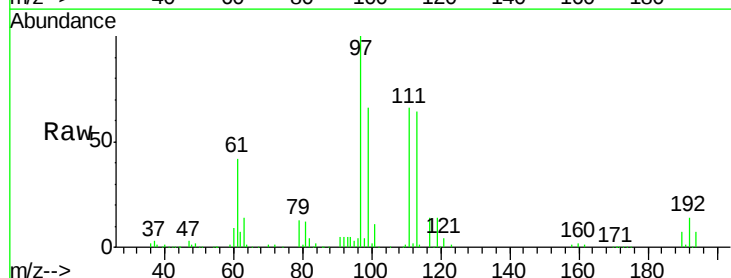
RT: 5.49 min Scan# 711

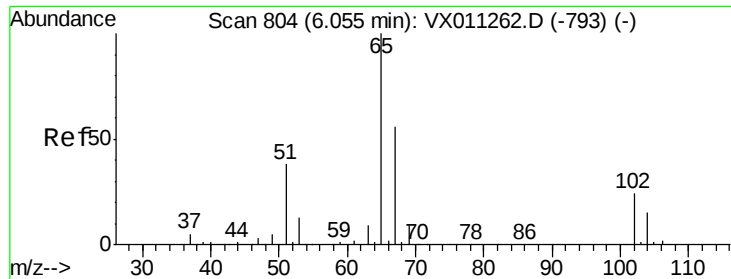
Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion:	97	Resp:	129446
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	42.2	32.3	48.5





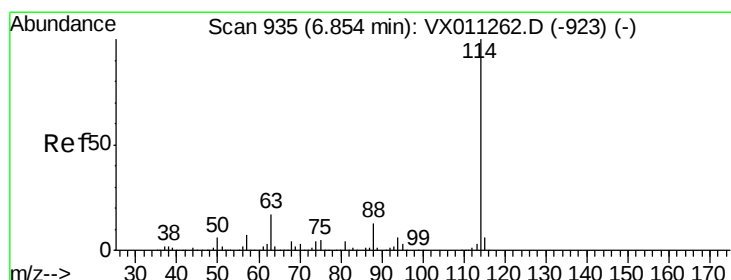
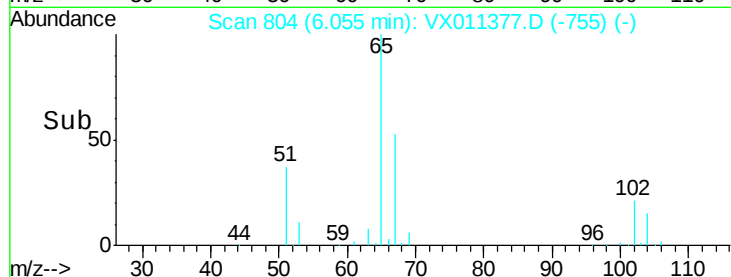
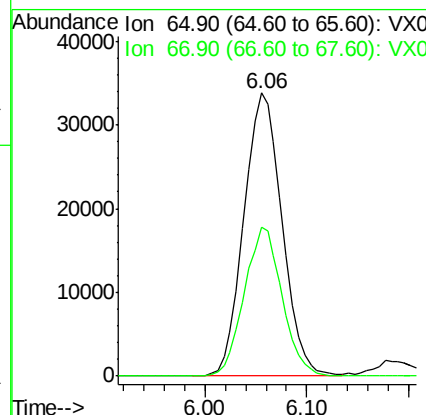
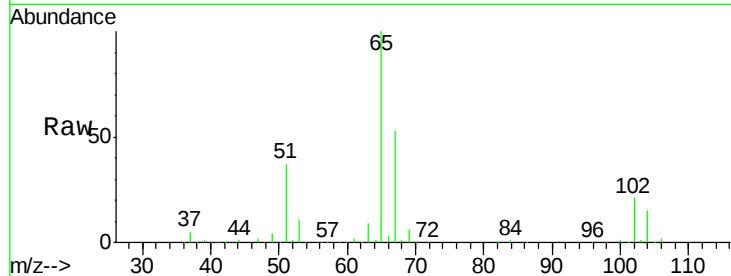
#33
 1,2-Dichloroethane-d4
 Concen: 54.874 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	110.6

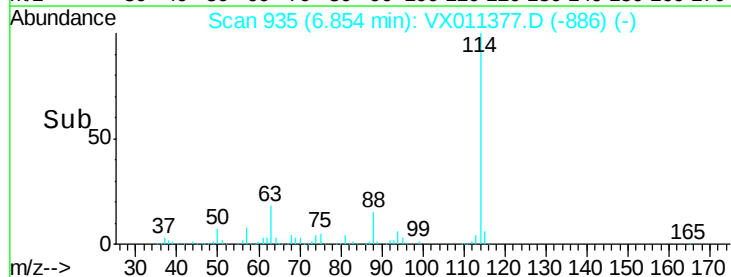
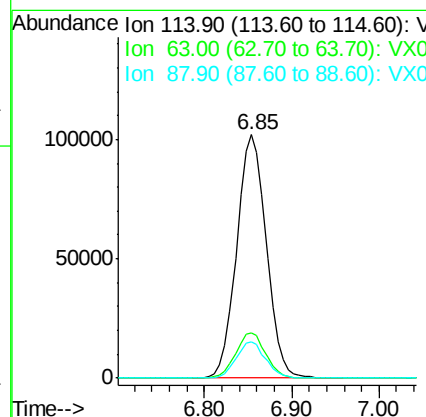
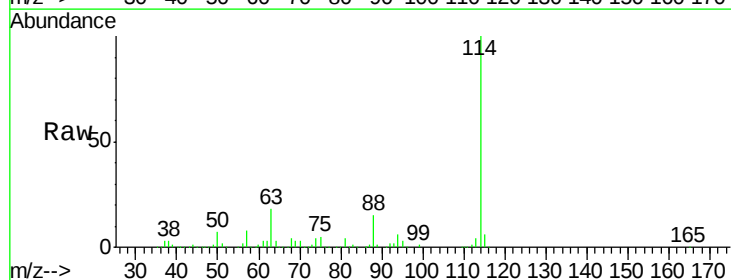
Manual Integrations
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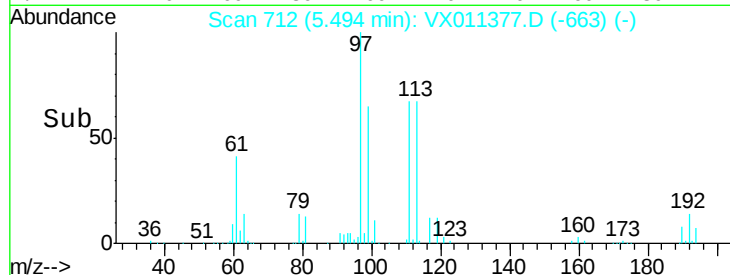
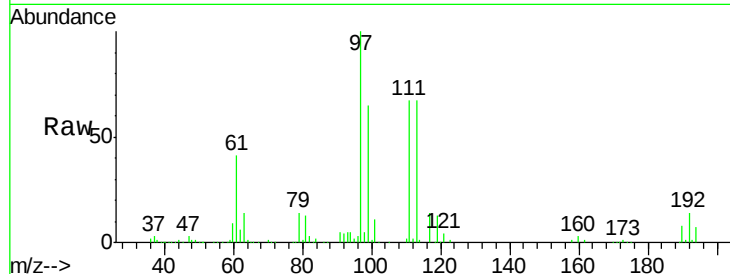
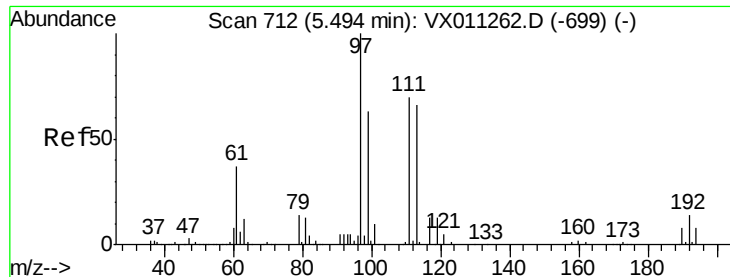
MMDadoda
 8/8/2019 10:56:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	34.0
88	14.9	0.0	26.4





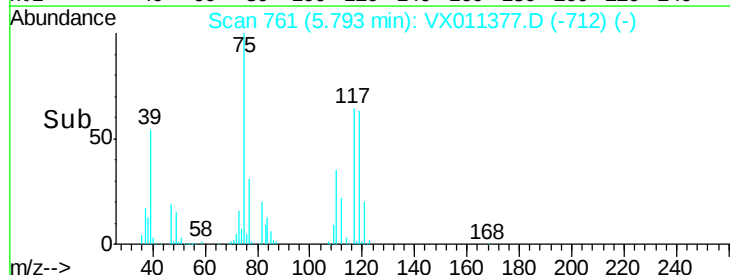
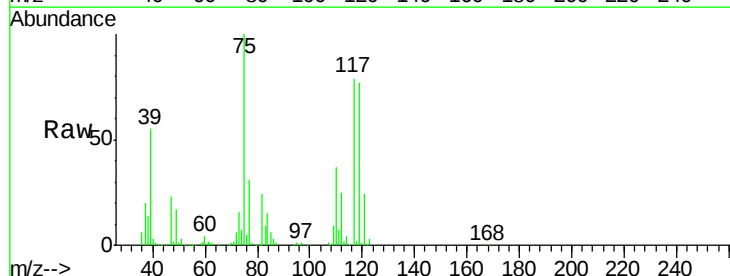
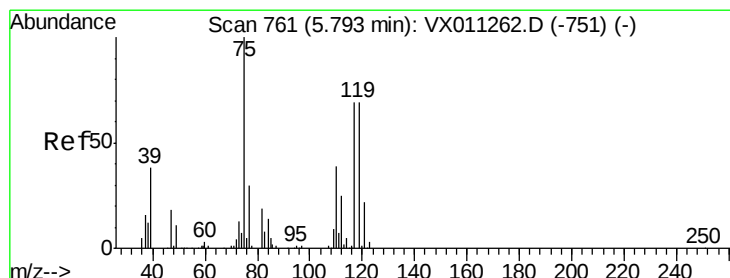
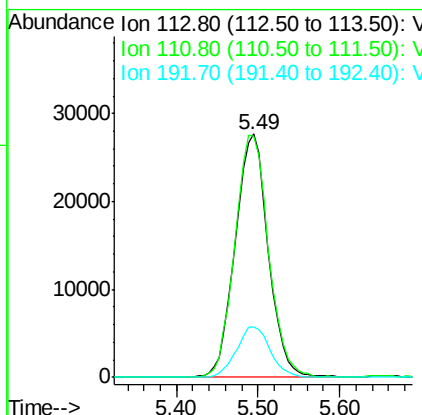
#35
Dibromofluoromethane
Concen: 49.393 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tot Ion	Ratio	Resp	Lower	Upper
113	100	77531		
111	101.7		81.9	122.9
192	21.3		17.8	26.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

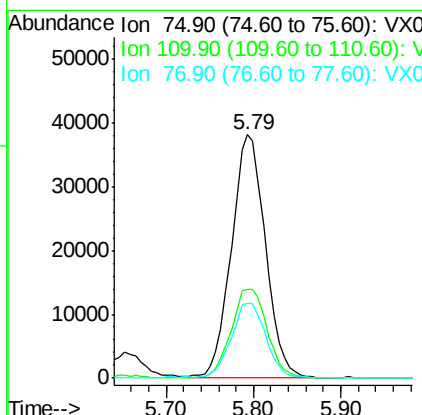
Manual Integrations
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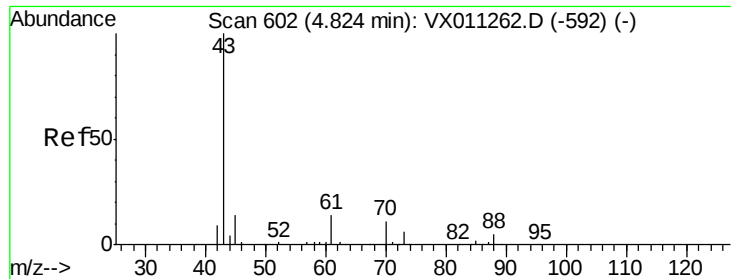
MMDadoda
8/8/2019 10:56:50 AM



#36
1,1-Dichloropropene
Concen: 49.000 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102857		
110	39.1		20.0	59.9
77	31.6		24.8	37.2





#37

Ethyl Acetate

Concen: 53.205 ug/l

RT: 4.82 min Scan# 602

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

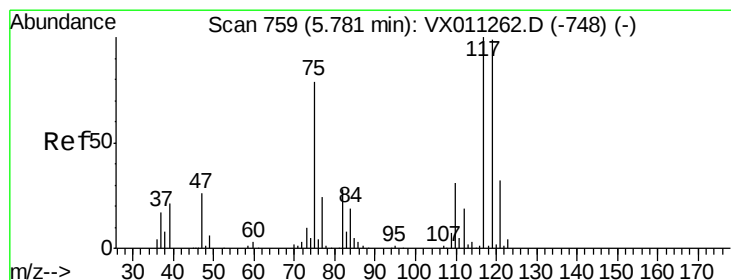
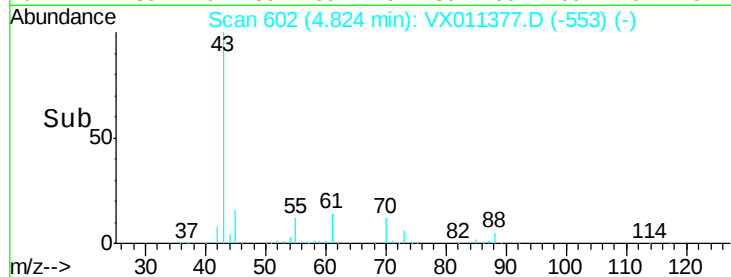
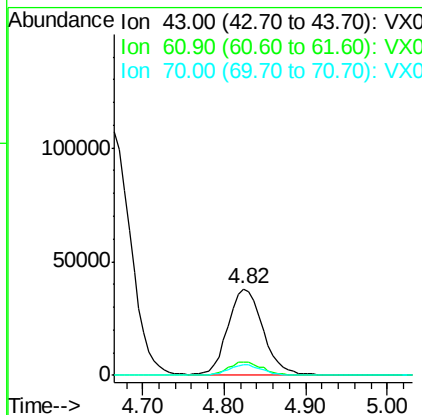
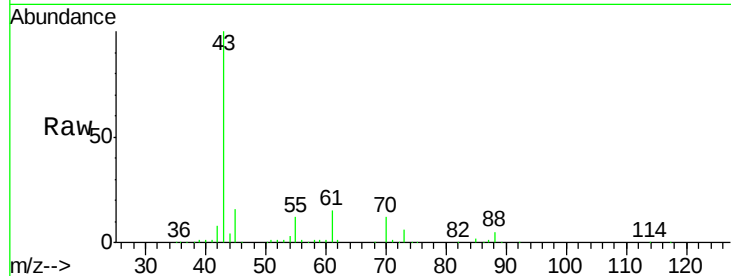
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	112027
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.6	18.8
70	11.7	9.1	13.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 54.556 ug/l

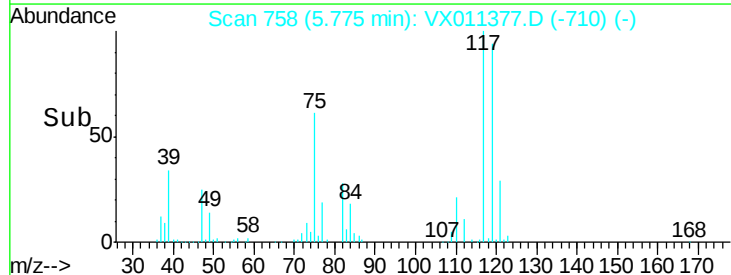
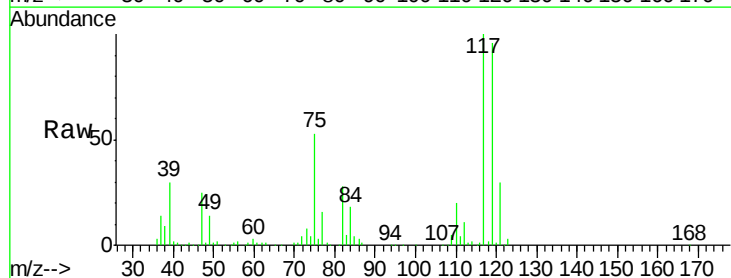
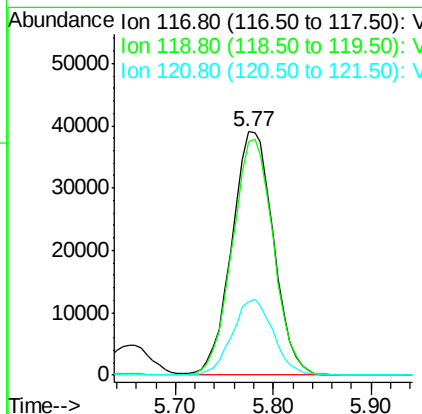
RT: 5.77 min Scan# 758

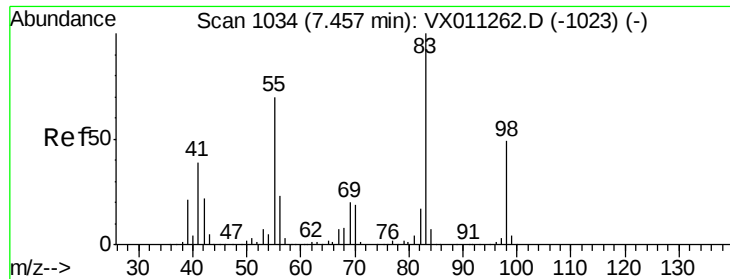
Delta R.T. -0.01 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion:	117	Resp:	115215
Ion	Ratio	Lower	Upper
117	100		
119	96.0	79.0	118.4
121	29.9	25.9	38.9





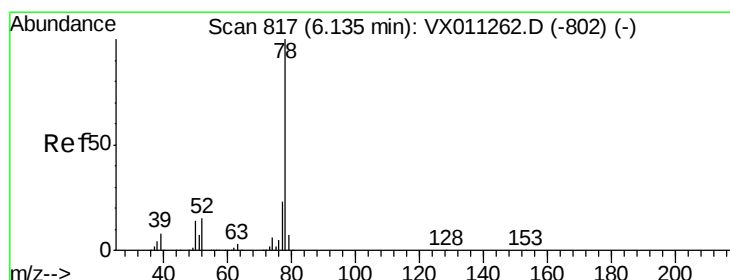
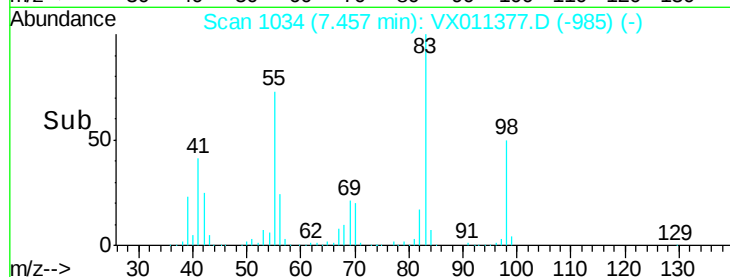
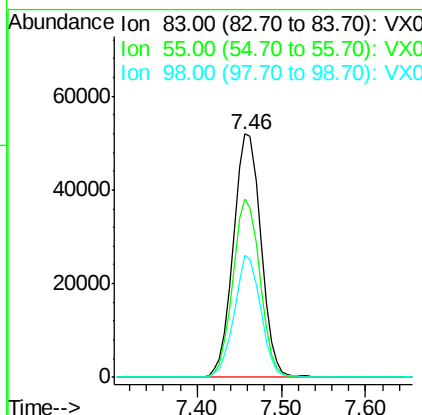
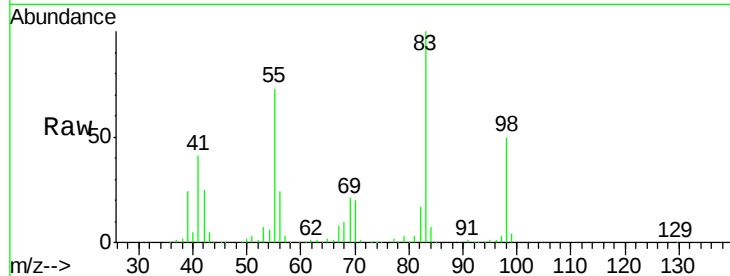
#39
Methvlcvclohexane
Concen: 46.294 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	115188		
55	73.3	56.1	84.1	
98	50.1	39.0	58.4	

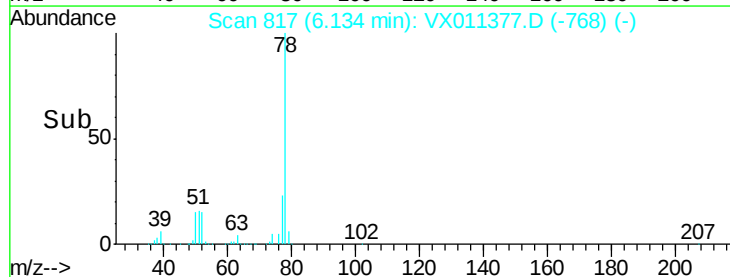
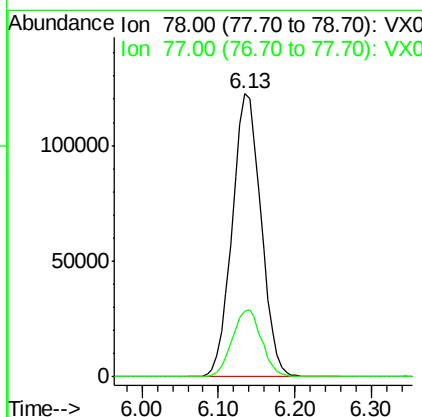
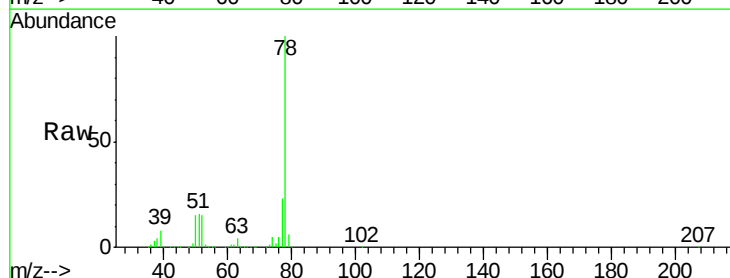
Manual Integrations
APPROVED

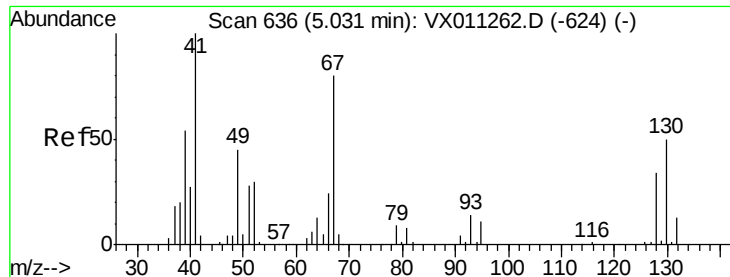
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#40
Benzene
Concen: 51.042 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	319725		
77	23.3	18.2	27.2	





#41

Methacrylonitrile

Concen: 53.084 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 61043

Ion Ratio Lower Upper

41 100

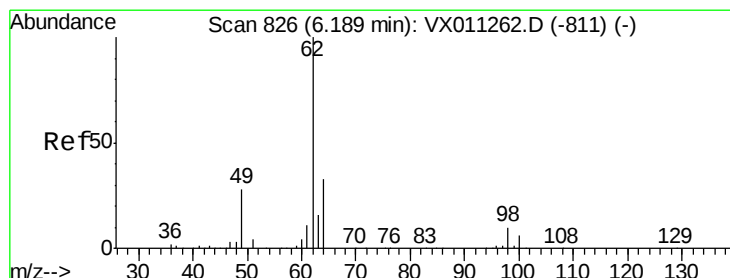
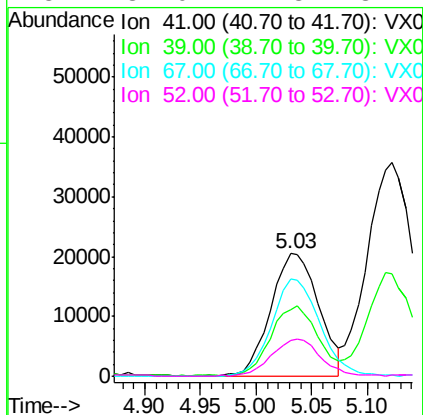
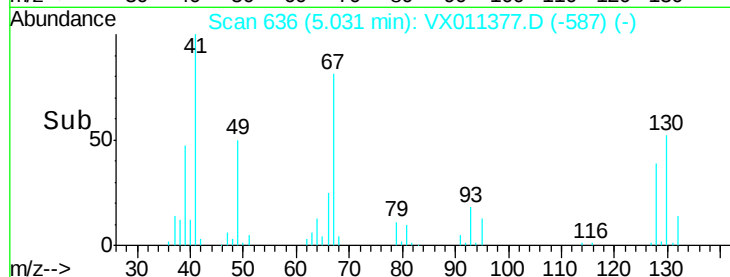
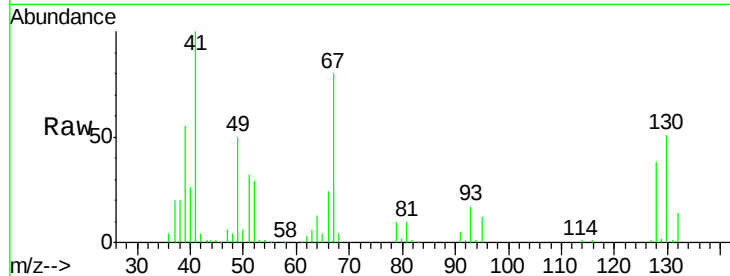
39 56.1 43.0 64.6

67 80.4 65.1 97.7

52 32.0 24.8 37.2

Manual Integrations
APPROVED

MMDadoda
8/8/2019 10:56:50 AM



#42

1,2-Dichloroethane

Concen: 55.029 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011377.D

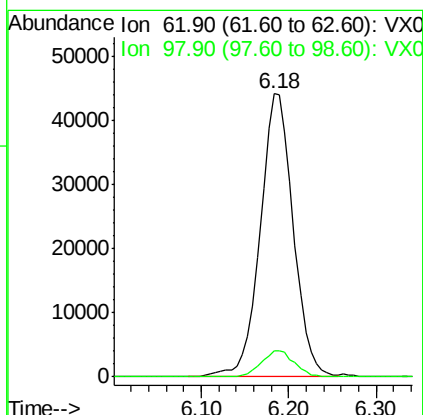
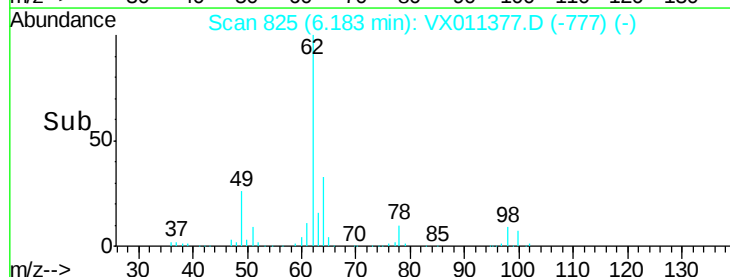
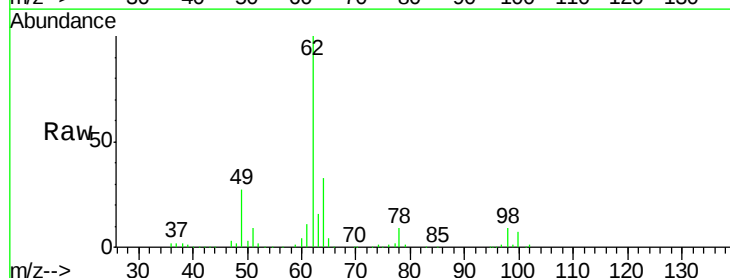
Acq: 07 Aug 2019 20:48

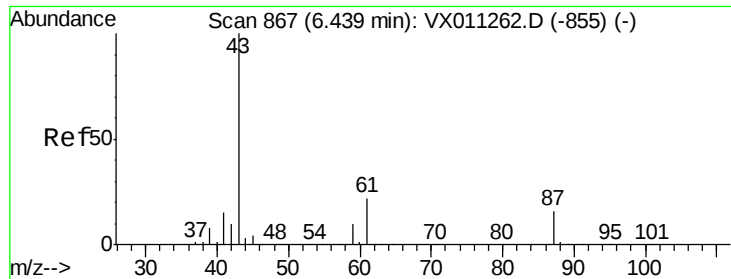
Tgt Ion: 62 Resp: 116561

Ion Ratio Lower Upper

62 100

98 9.4 0.0 20.6





#43

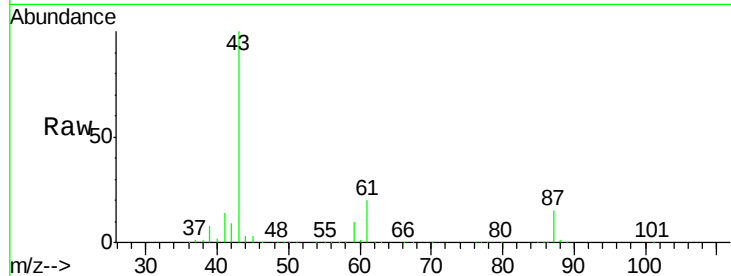
Isopropyl Acetate
 Concen: 53.428 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

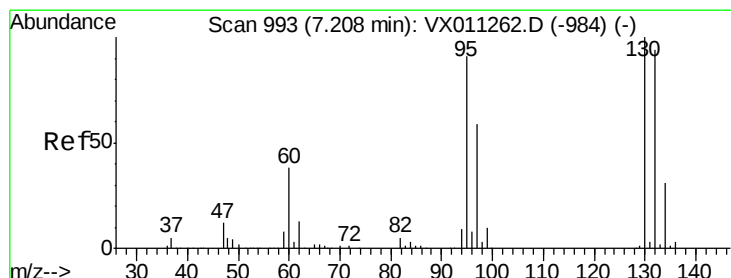
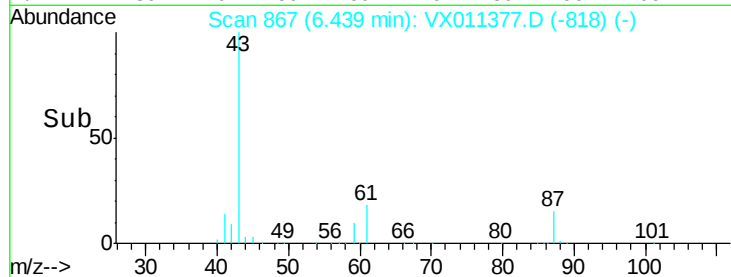
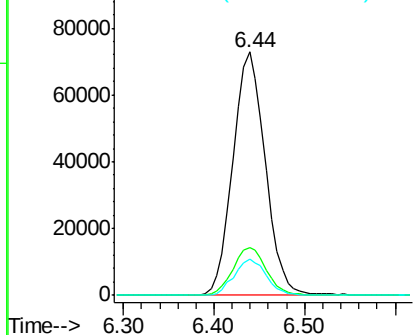
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.5	24.7
87	14.9	12.1	18.1

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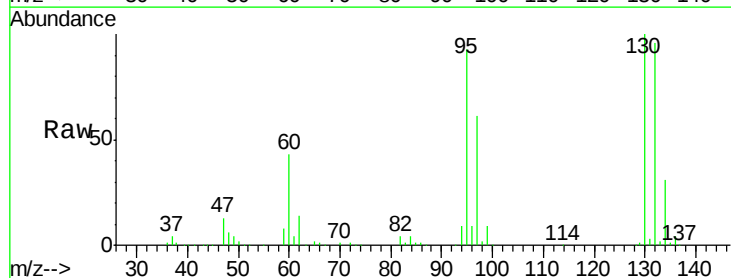
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



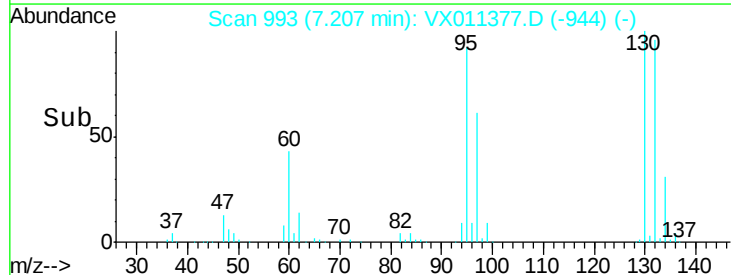
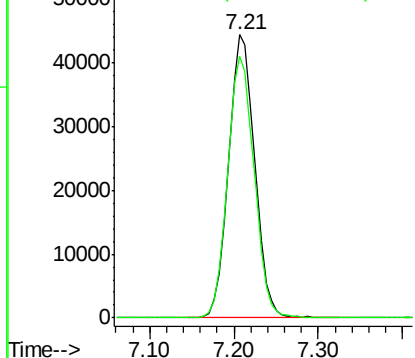
#44

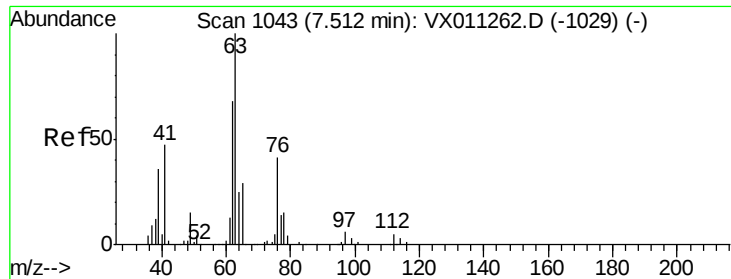
Trichloroethene
 Concen: 49.358 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	182.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.997 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 81108

Ion Ratio Lower Upper

63 100

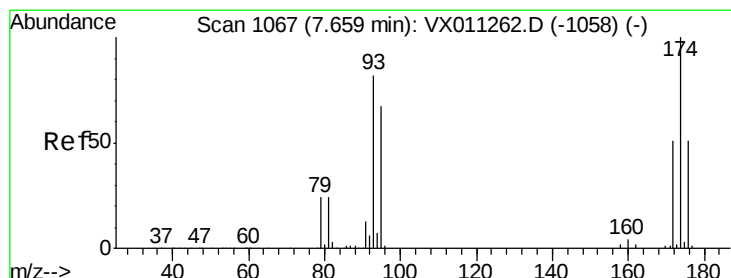
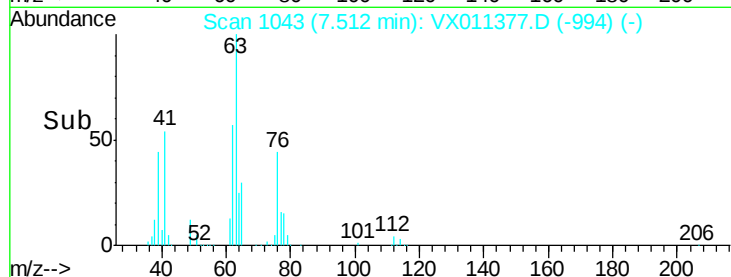
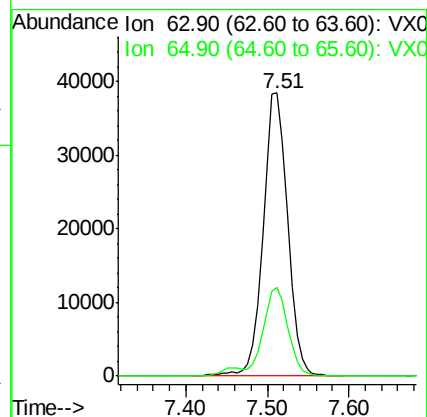
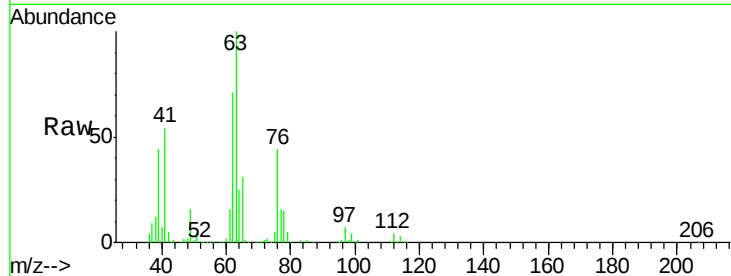
65 31.5 23.3 34.9

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#46

Dibromomethane

Concen: 50.874 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

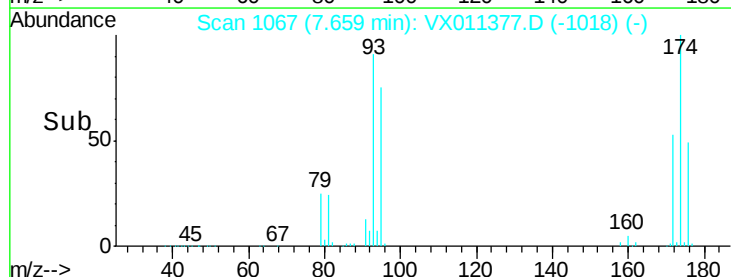
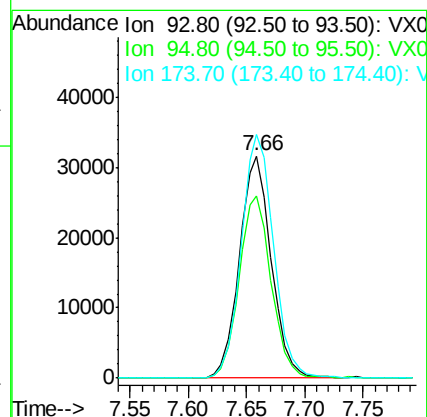
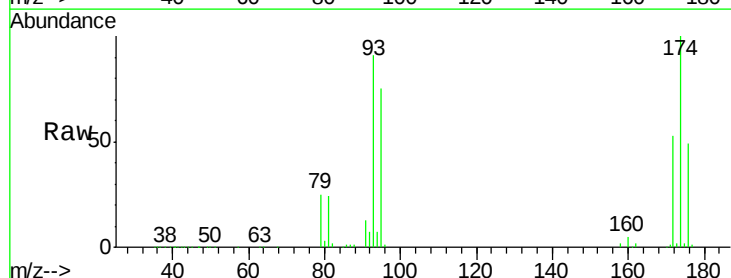
Tgt Ion: 93 Resp: 60249

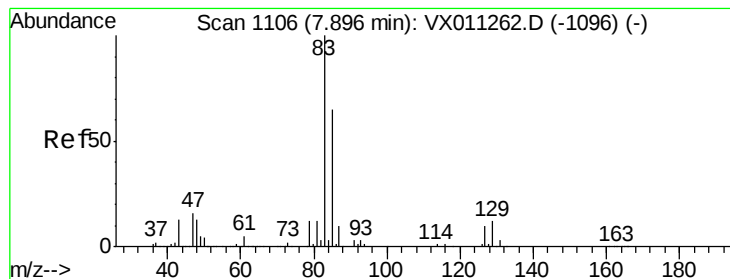
Ion Ratio Lower Upper

93 100

95 82.7 66.4 99.6

174 111.2 93.4 140.2





#47

Bromodichloromethane

Concen: 55.758 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

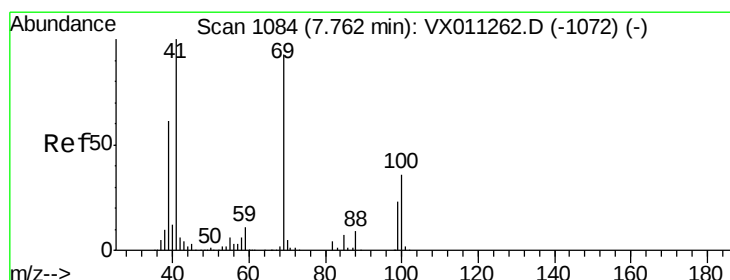
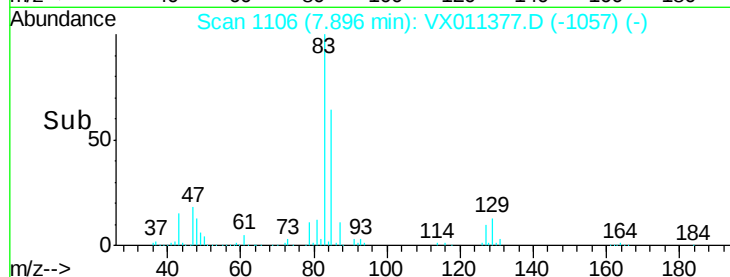
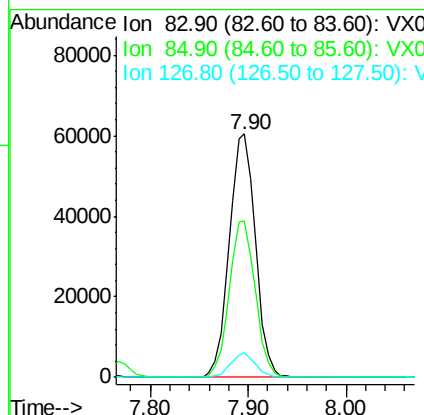
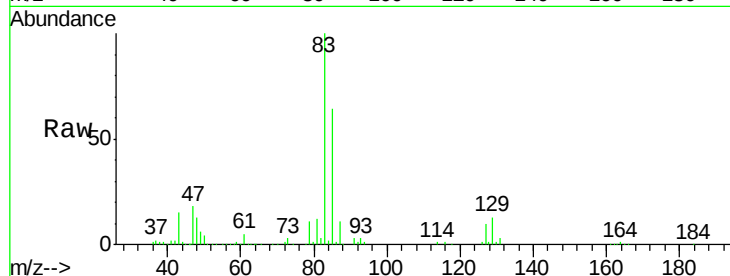
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	111799
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.2	78.2
127	10.4	7.8	11.8

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#48

Methyl methacrylate

Concen: 56.636 ug/l

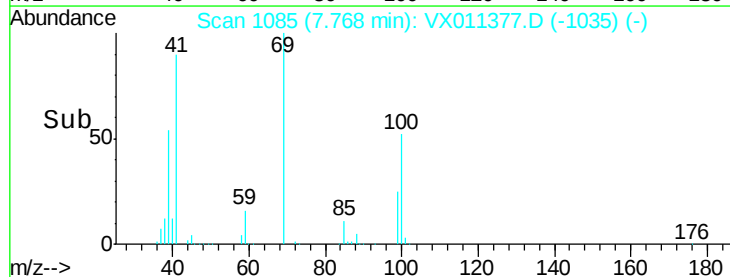
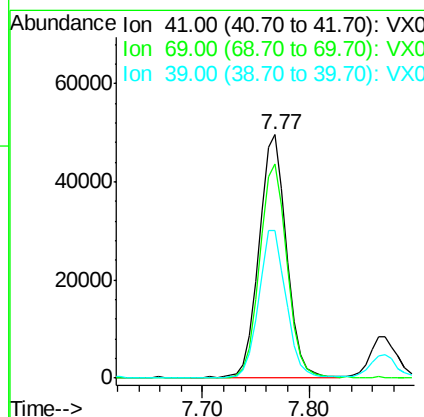
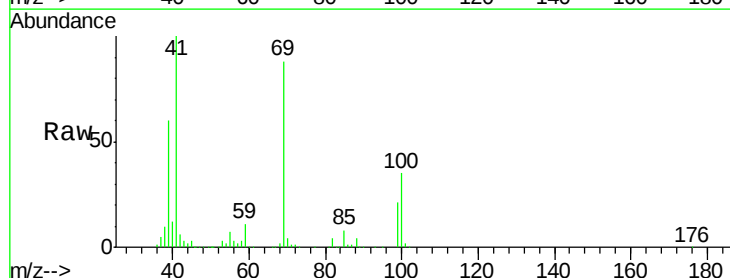
RT: 7.77 min Scan# 1085

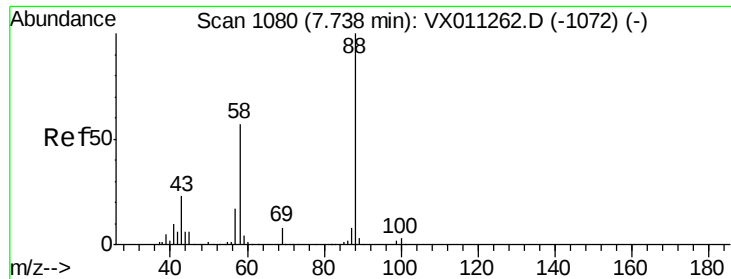
Delta R.T. 0.01 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion:	41	Resp:	89725
Ion	Ratio	Lower	Upper
41	100		
69	88.4	74.5	111.7
39	61.4	48.6	72.8





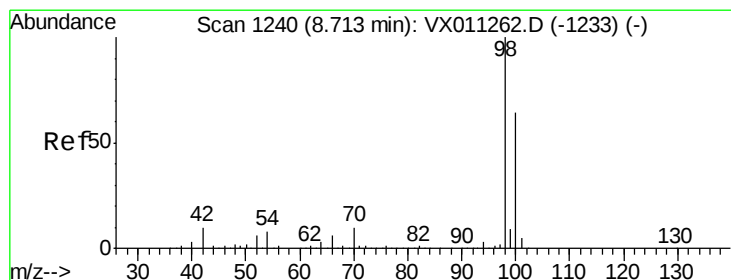
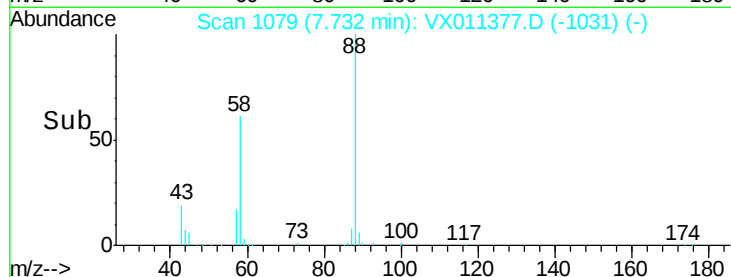
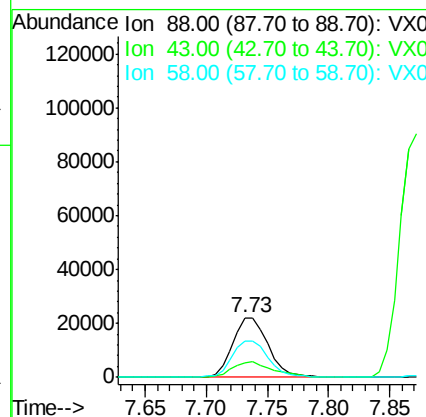
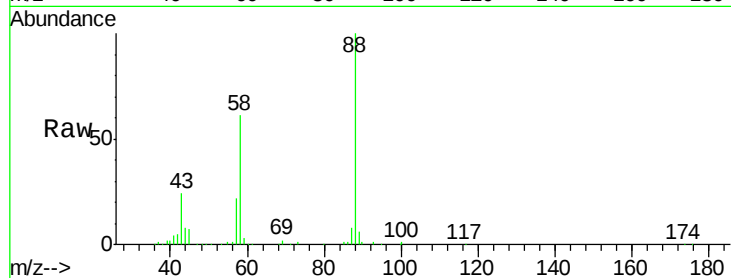
#49
 1,4-Dioxane
 Concen: 960.792 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
88	88	100	44128		
43	43	29.5		22.2	33.2
58	58	63.6		47.8	71.8

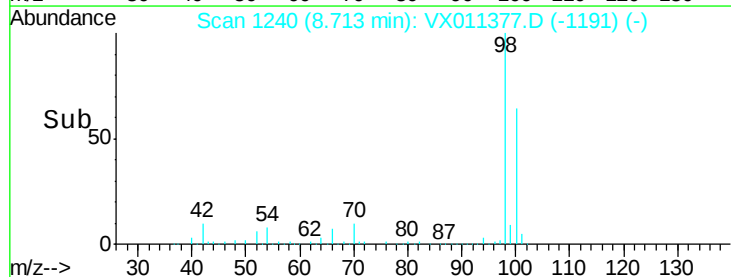
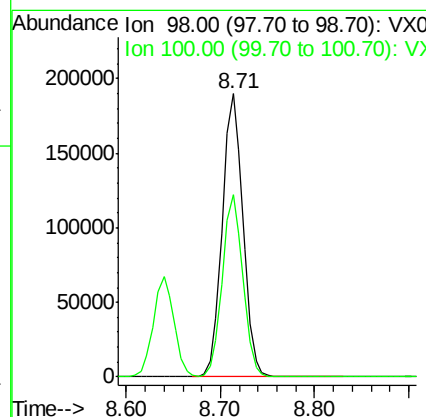
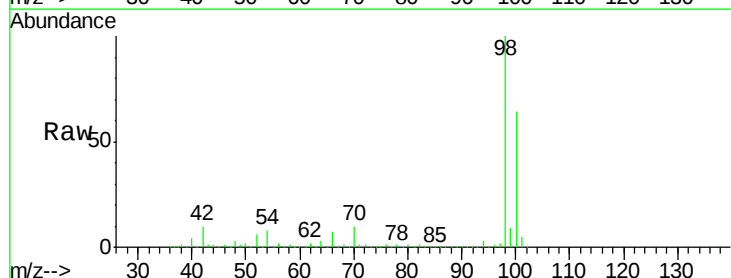
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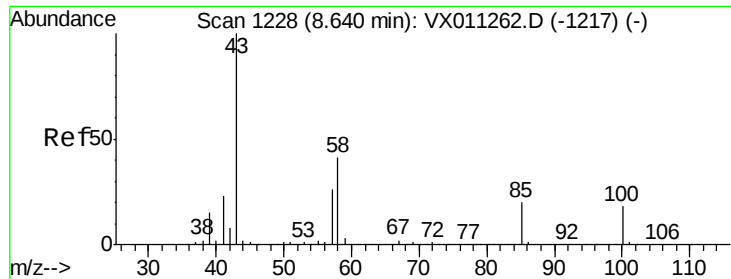
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#50
 Toluene-d8
 Concen: 48.864 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
98	98	100	289522		
100	100	63.7		51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 280.036 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 608383

Ion Ratio Lower Upper

43 100

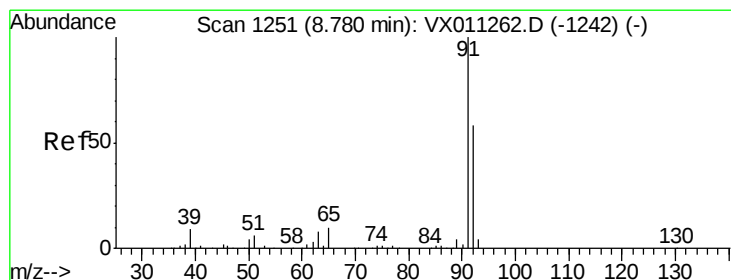
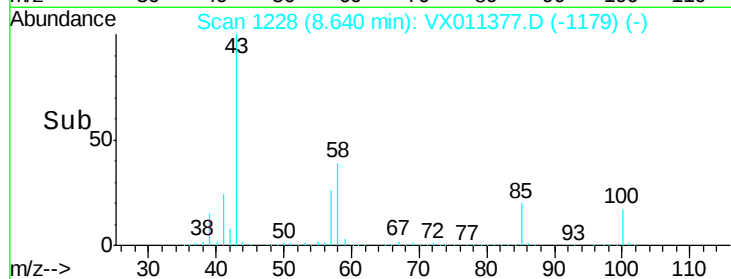
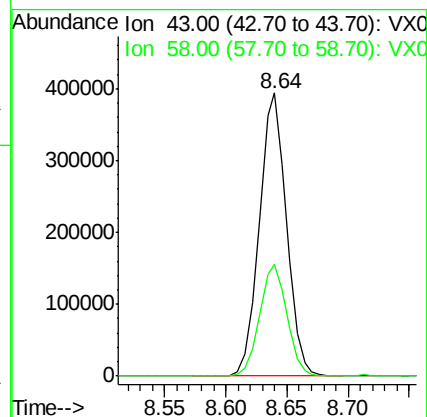
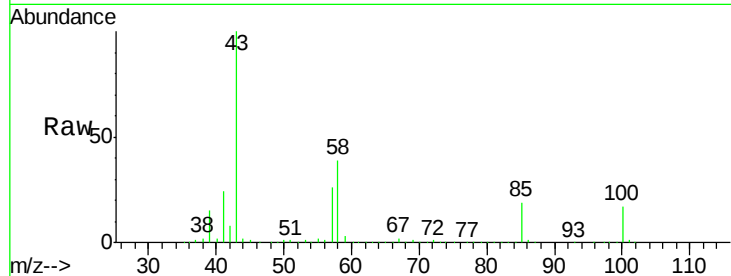
58 39.8 32.3 48.5

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#52

Toluene

Concen: 50.868 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011377.D

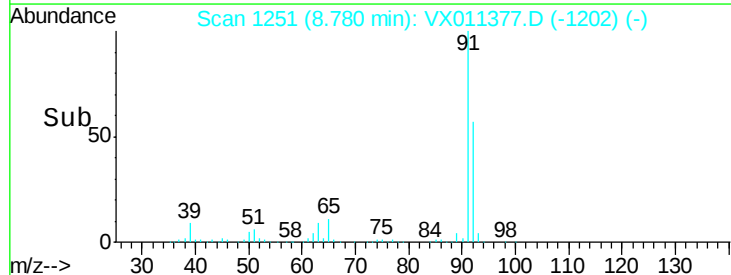
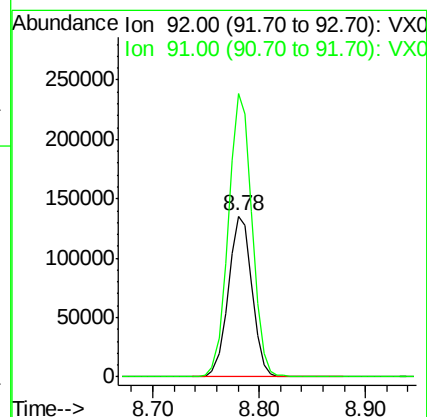
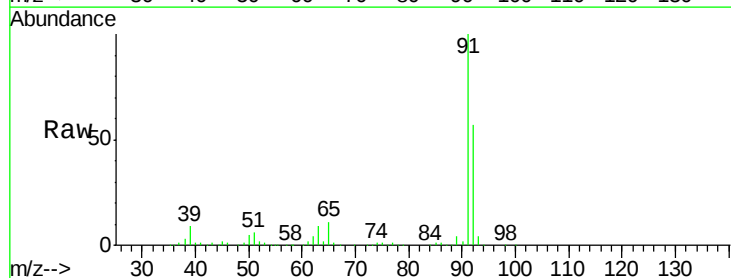
Acq: 07 Aug 2019 20:48

Tgt Ion: 92 Resp: 210671

Ion Ratio Lower Upper

92 100

91 175.9 139.4 209.0





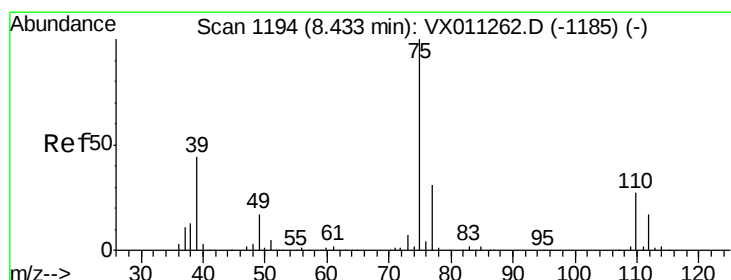
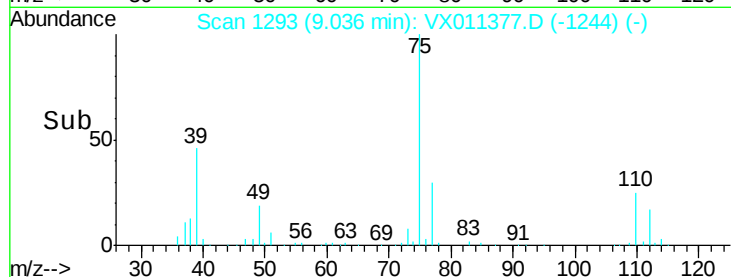
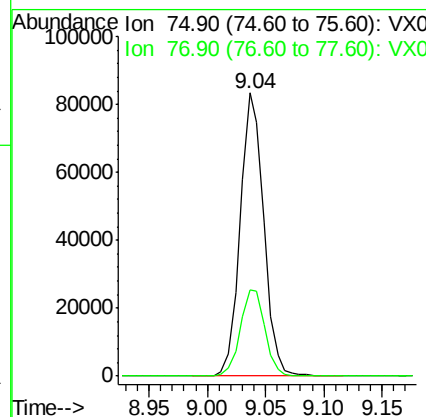
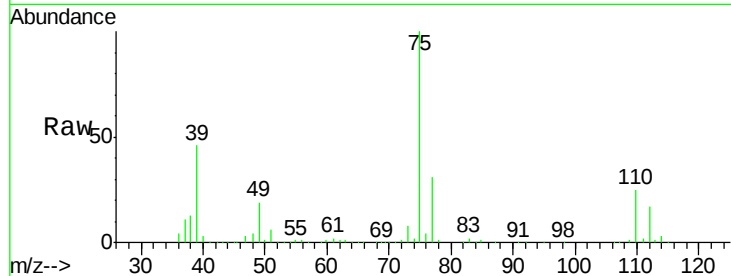
#53
 t-1,3-Dichloropropene
 Concen: 50.433 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 117826
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.0

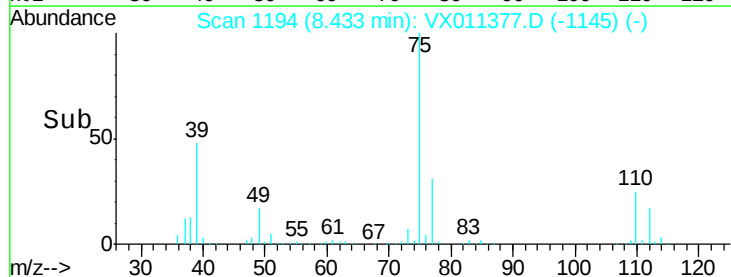
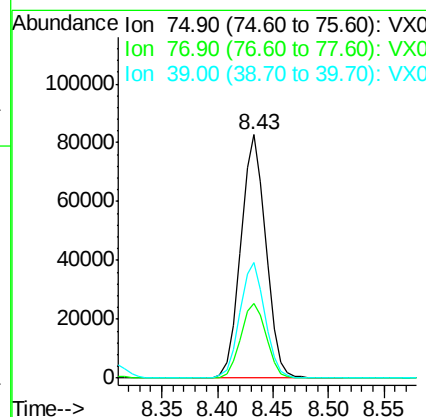
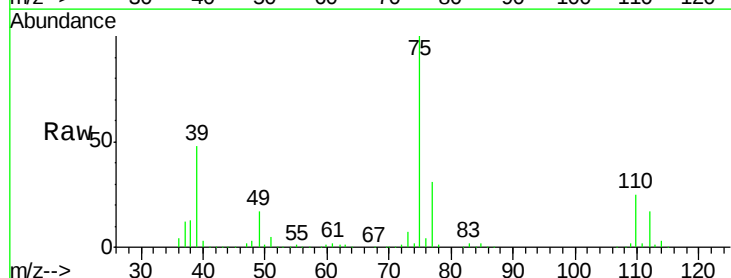
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#54
 cis-1,3-Dichloropropene
 Concen: 55.025 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion: 75 Resp: 128879
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.6
 39 47.5 35.3 52.9





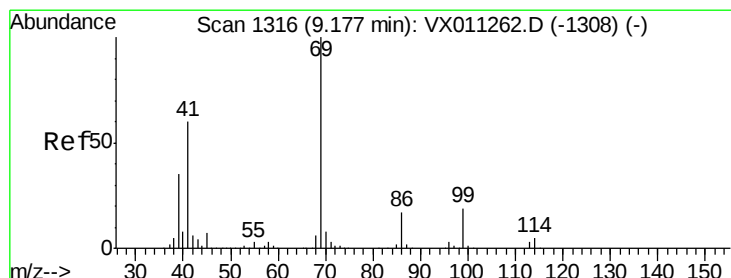
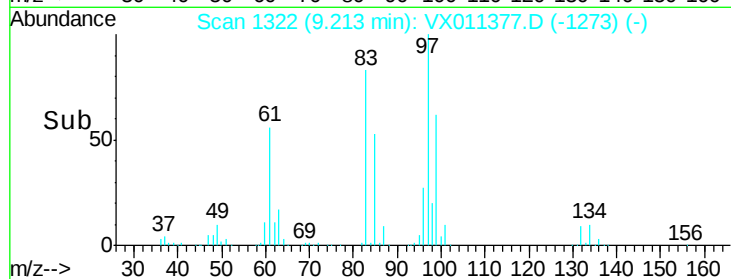
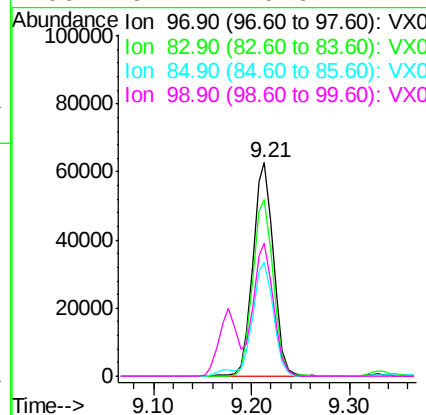
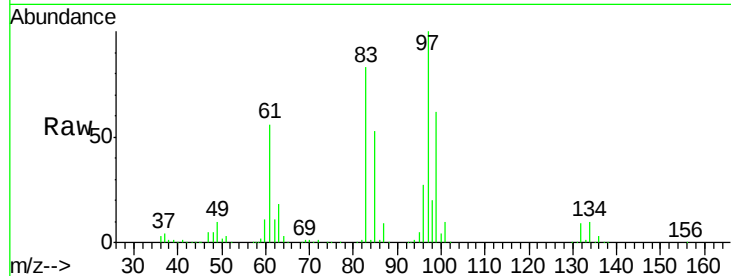
#55
 1,1,2-Trichloroethane
 Concen: 53.633 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	91328
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.6	101.4
85	53.1	43.4	65.0
99	62.4	49.6	74.4

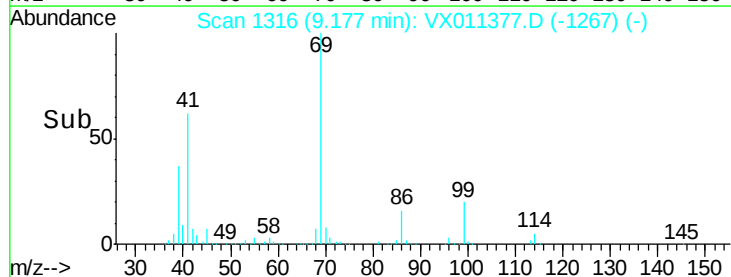
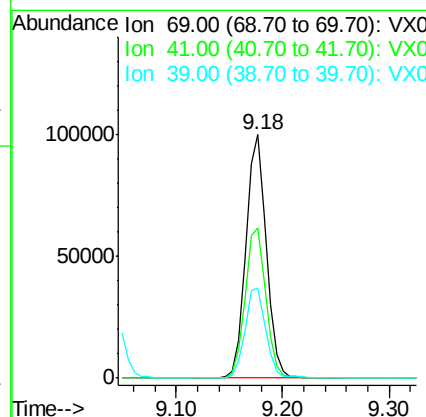
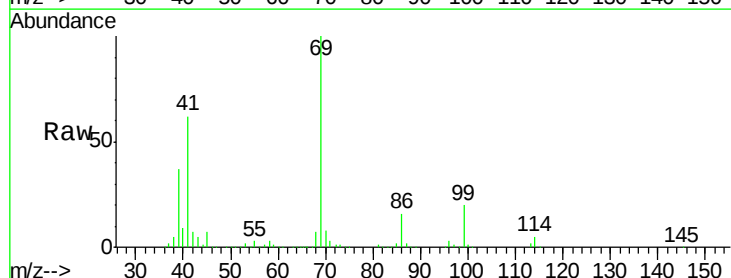
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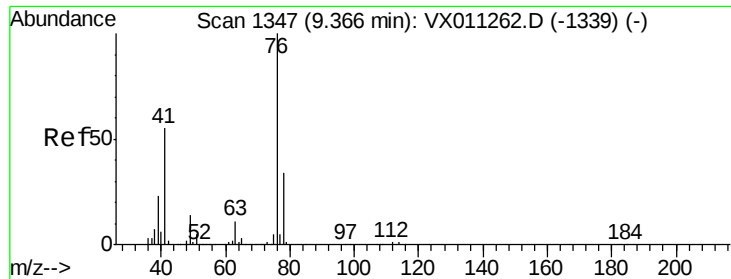
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#56
 Ethyl methacrylate
 Concen: 55.503 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion:	69	Resp:	134684
Ion	Ratio	Lower	Upper
69	100		
41	63.3	48.6	73.0
39	37.7	29.4	44.2





#57

1,3-Dichloropropane

Concen: 52.569 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 141568

Ion Ratio Lower Upper

76 100

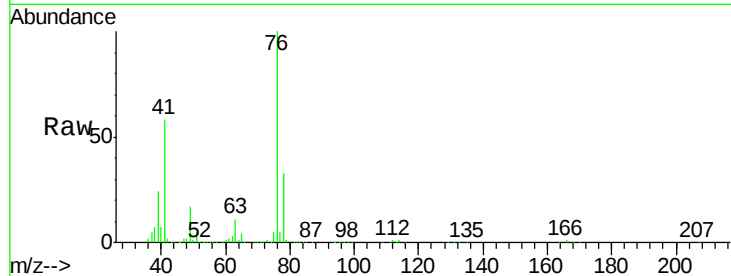
78 32.4 26.6 40.0

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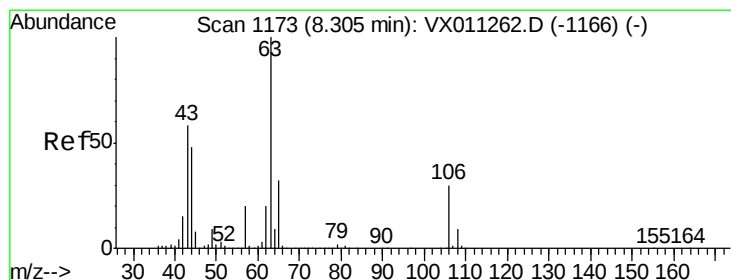
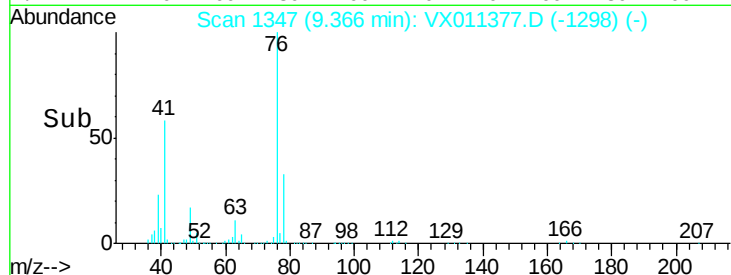
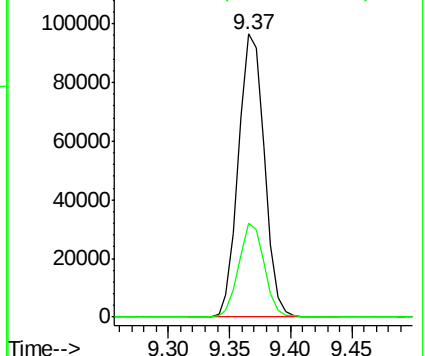
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 269.858 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011377.D

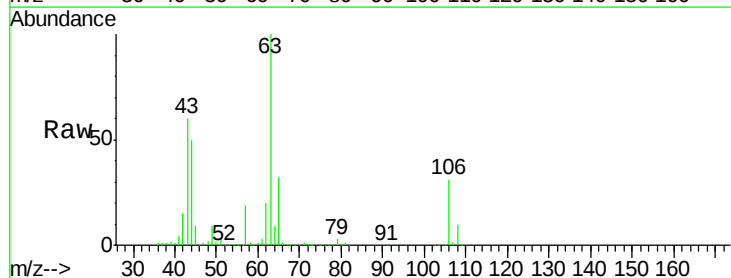
Acq: 07 Aug 2019 20:48

Tgt Ion: 63 Resp: 321980

Ion Ratio Lower Upper

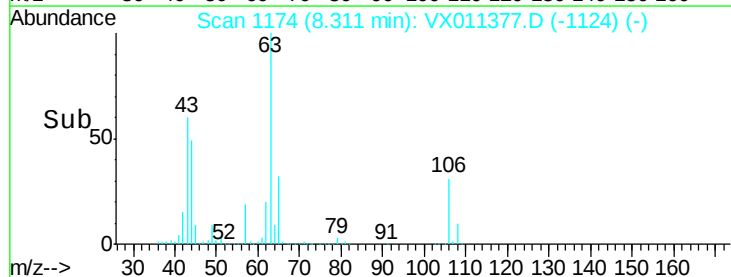
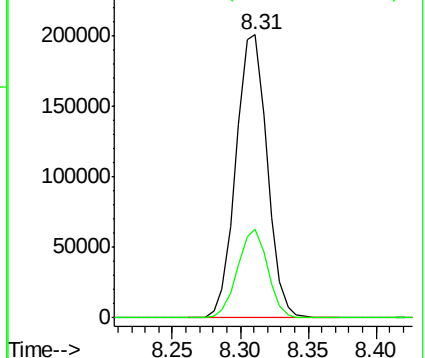
63 100

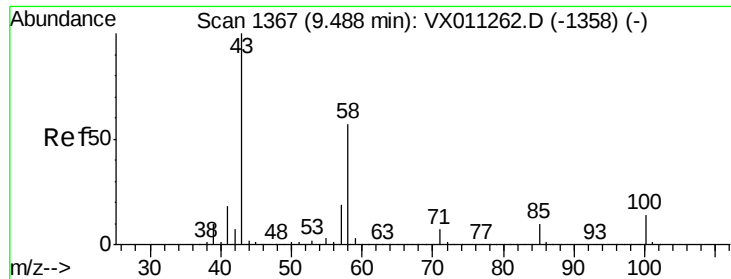
106 30.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





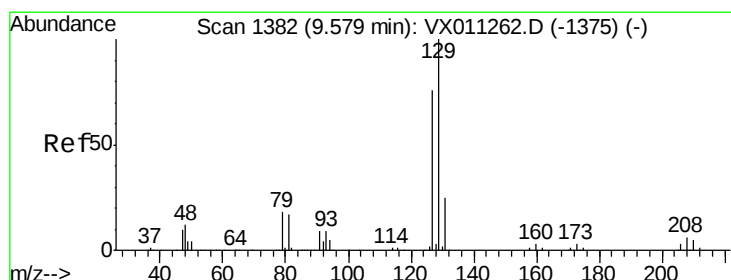
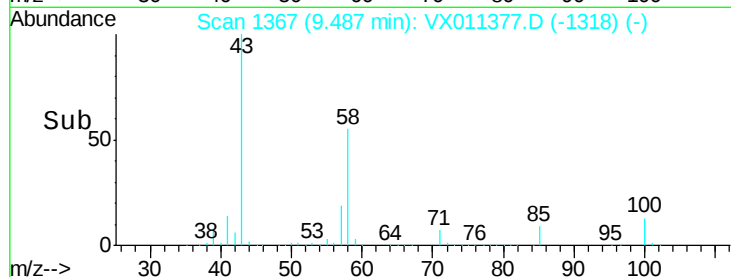
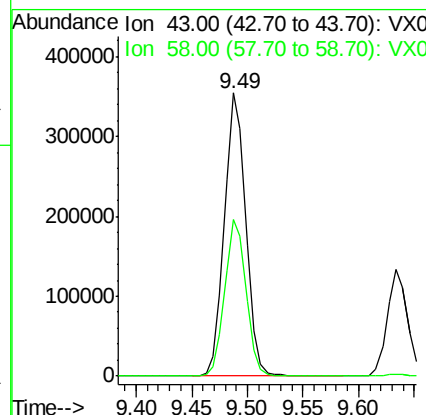
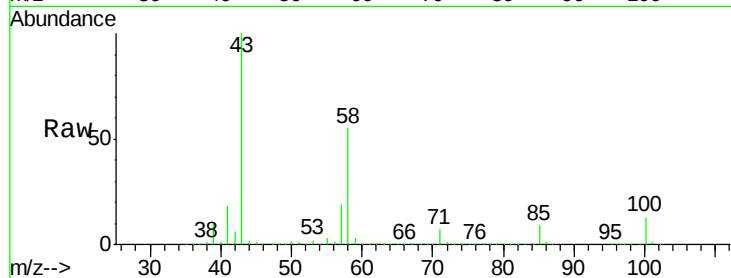
#59
2-Hexanone
Concen: 279.773 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 470789
Ion Ratio Lower Upper
43 100
58 55.3 28.2 84.6

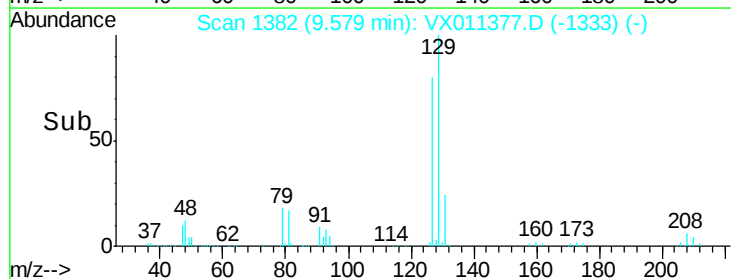
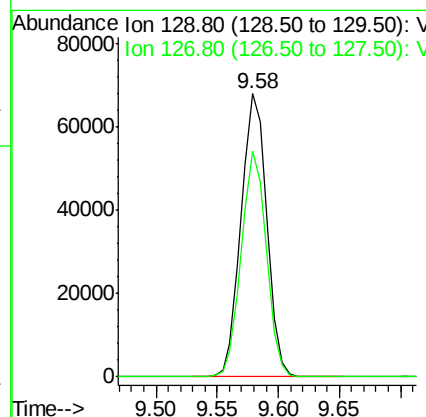
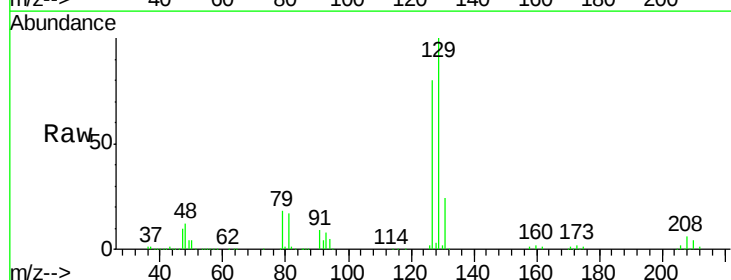
Manual Integrations
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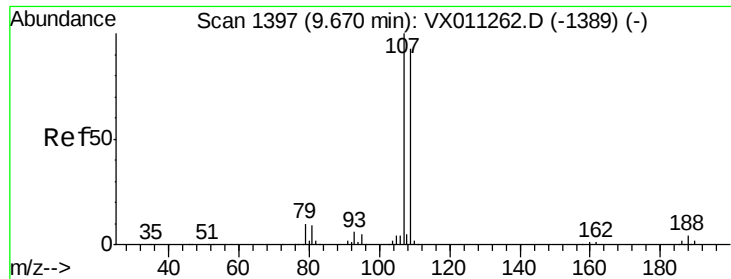
MMDadoda
8/8/2019 10:56:50 AM



#60
Dibromochloromethane
Concen: 56.539 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion: 129 Resp: 98568
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





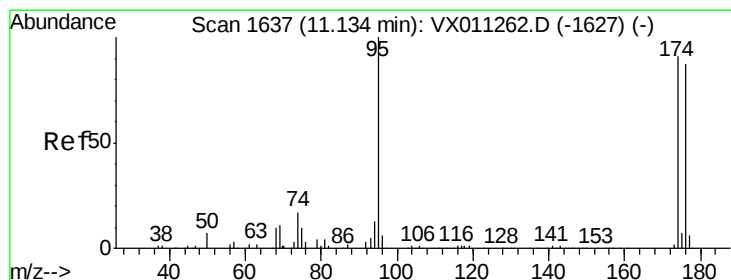
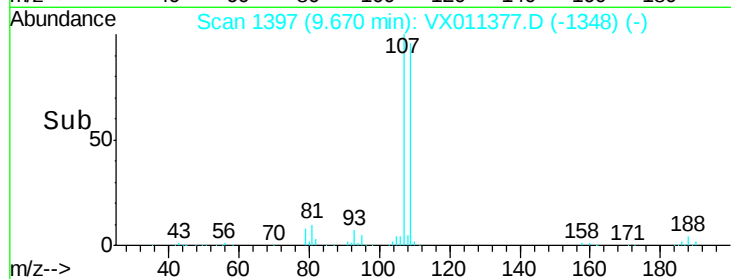
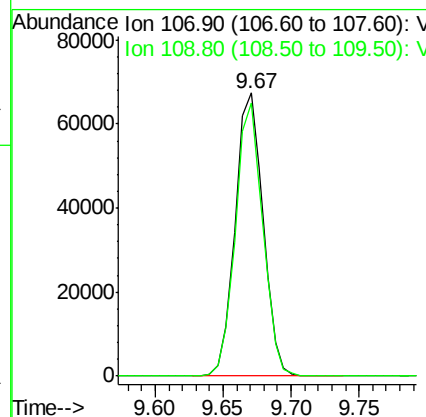
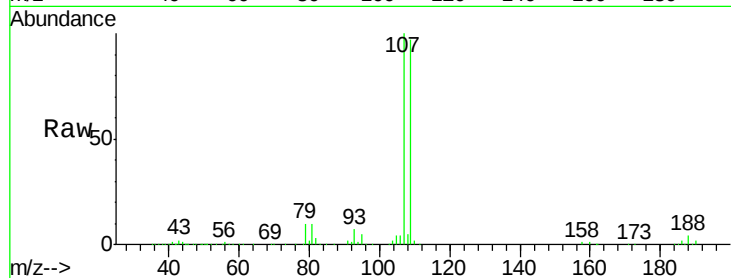
#61
 1,2-Dibromoethane
 Concen: 52.246 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.6	114.8

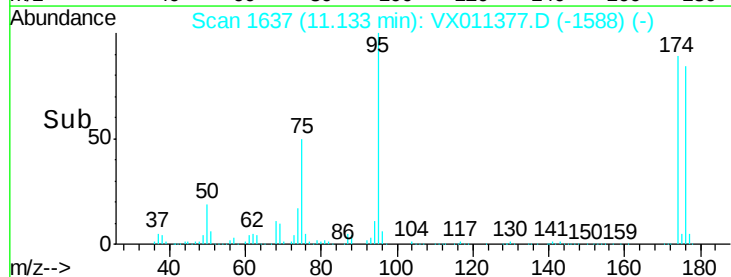
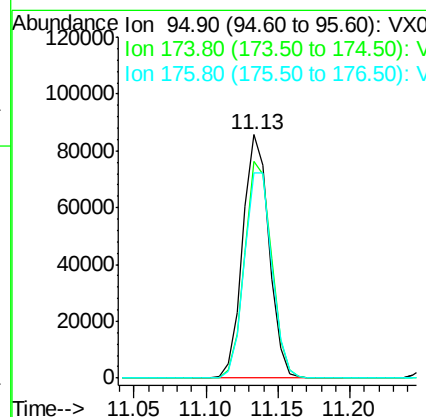
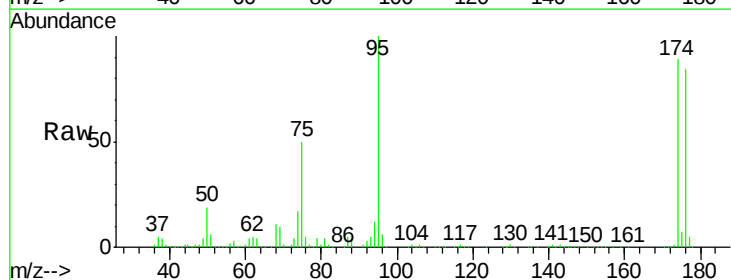
Manual Integrations
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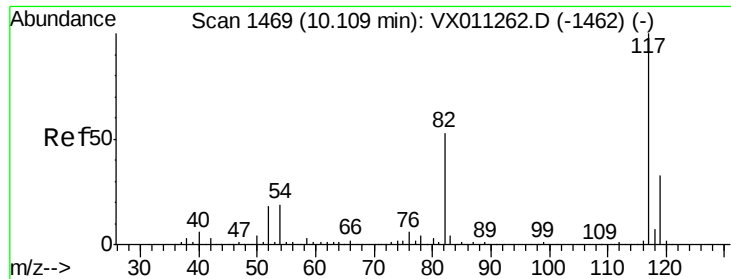
MMDadoda
 8/8/2019 10:56:50 AM



#62
 4-Bromofluorobenzene
 Concen: 51.469 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	191.2
176	88.4	0.0	184.8





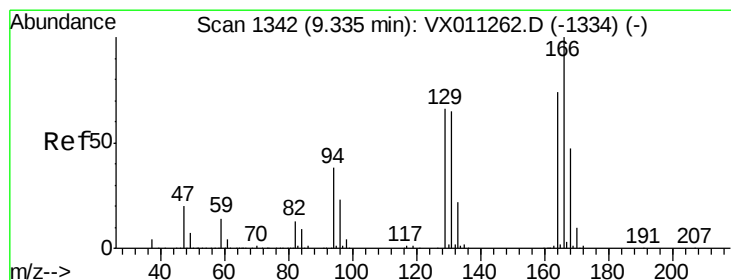
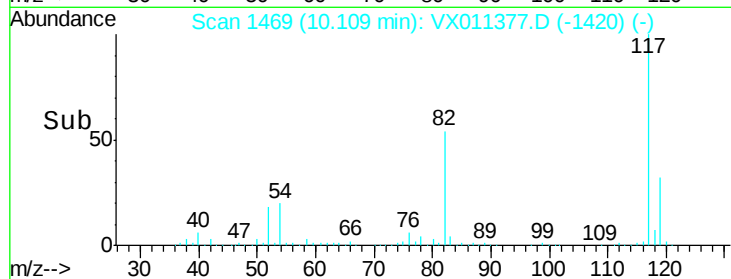
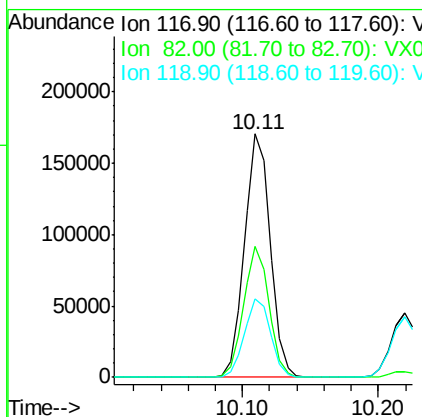
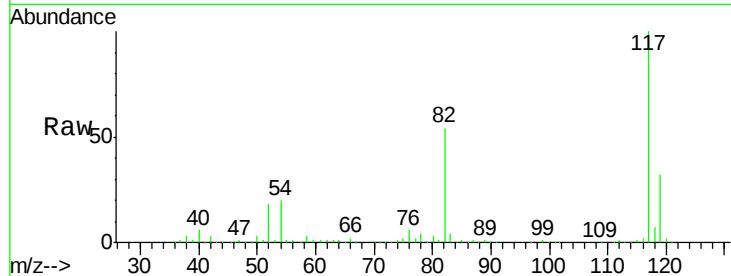
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.2	63.2
119	32.0	26.6	39.8

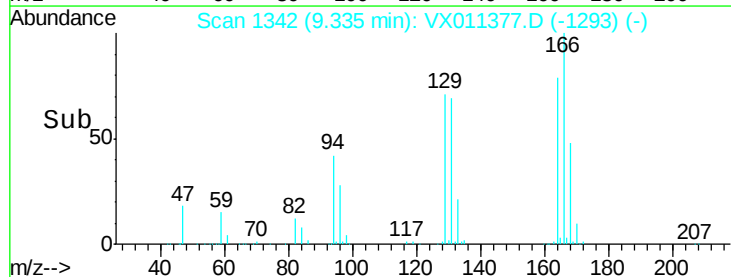
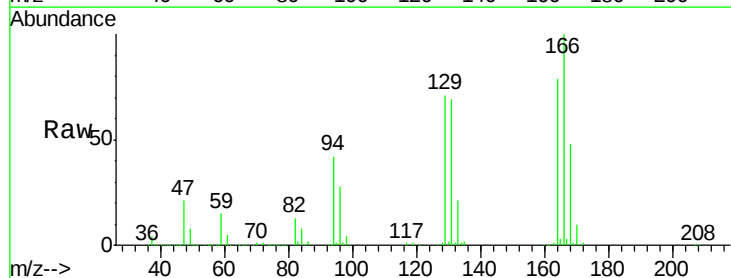
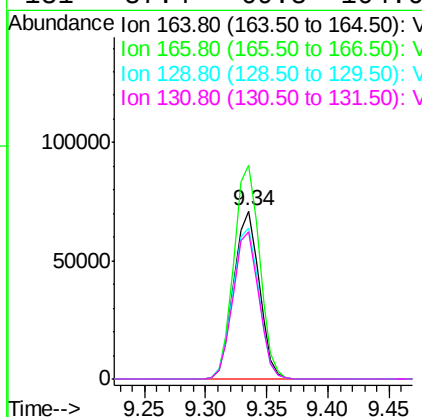
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 53.665 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	107.5	161.3
129	89.8	71.0	106.4
131	87.4	69.8	104.6





#65

Chlorobenzene

Concen: 49.687 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 240721

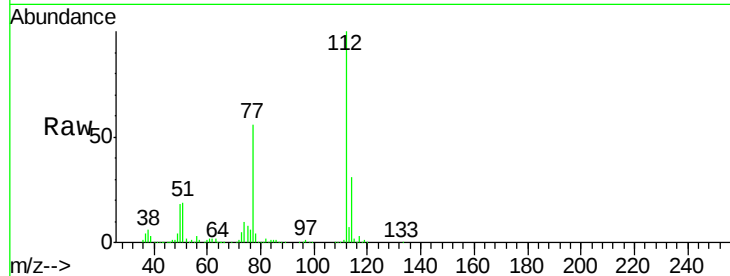
Ion Ratio Lower Upper

112 100

114 31.4 25.9 38.9

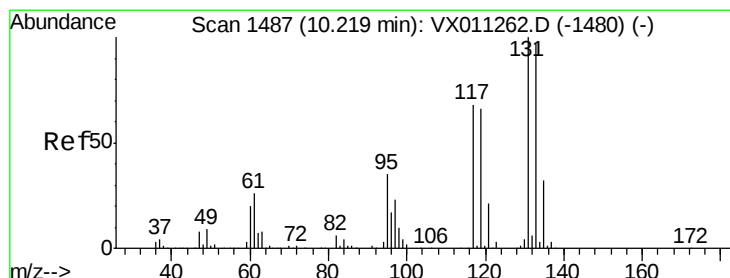
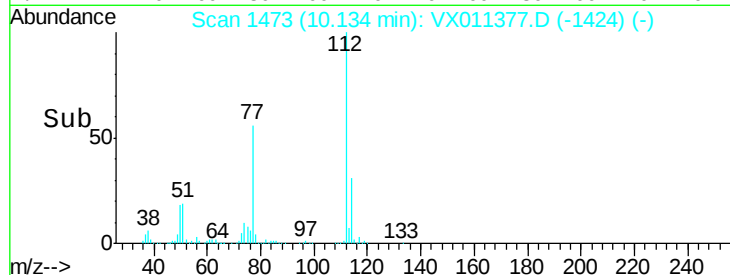
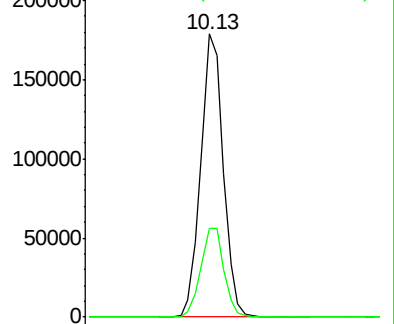
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.480 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

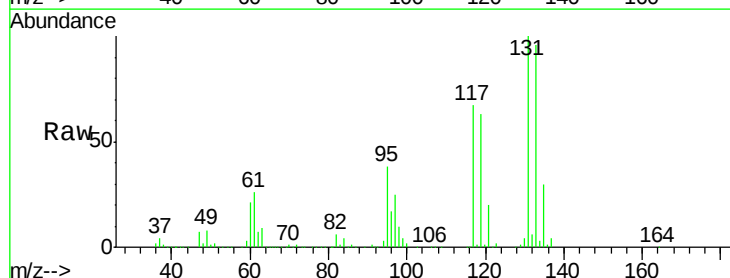
Tgt Ion:131 Resp: 90362

Ion Ratio Lower Upper

131 100

133 96.8 47.7 143.1

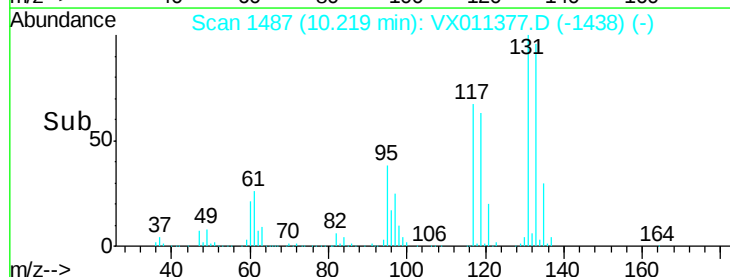
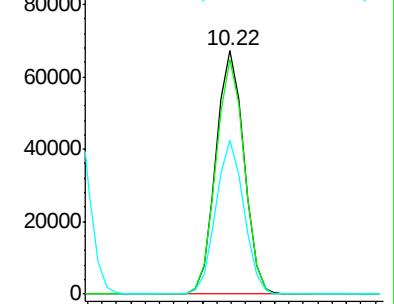
119 63.5 32.8 98.3

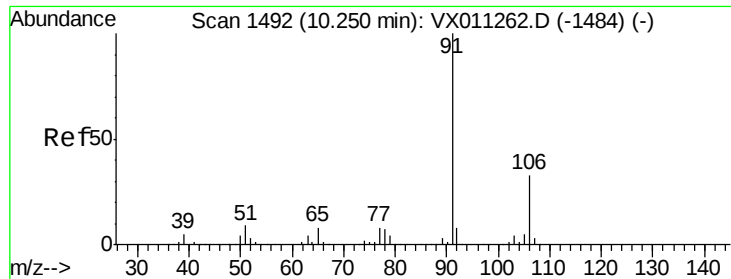


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





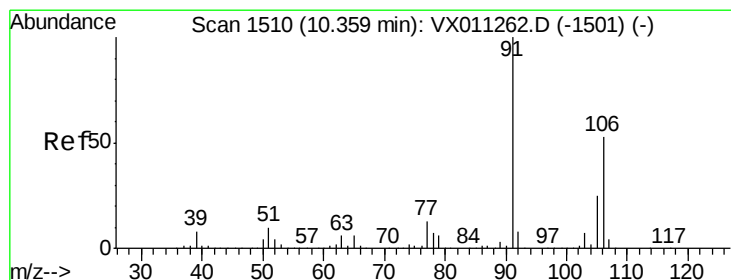
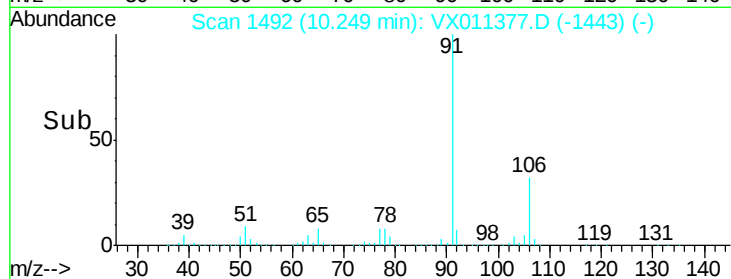
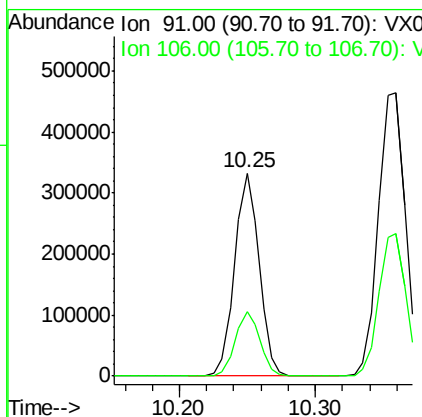
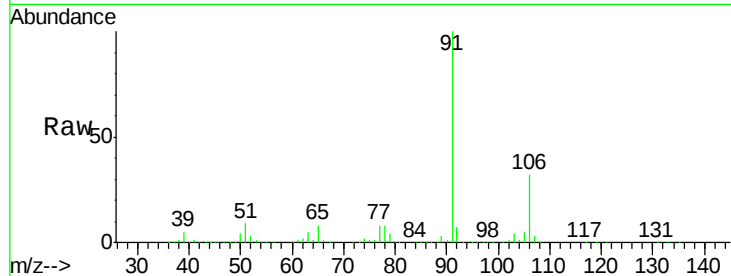
#67
Ethyl Benzene
Concen: 51.480 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 417695
Ion Ratio Lower Upper
91 100
106 32.1 26.2 39.4

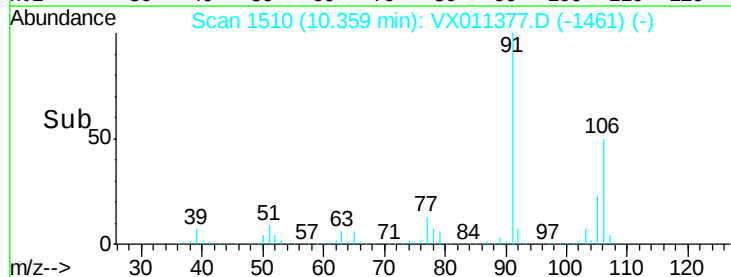
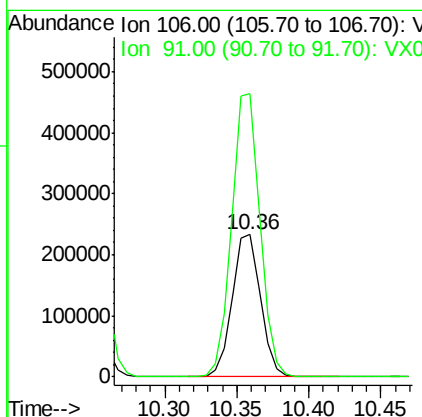
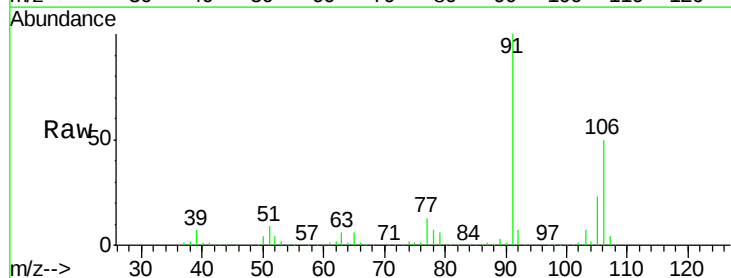
Manual Integrations
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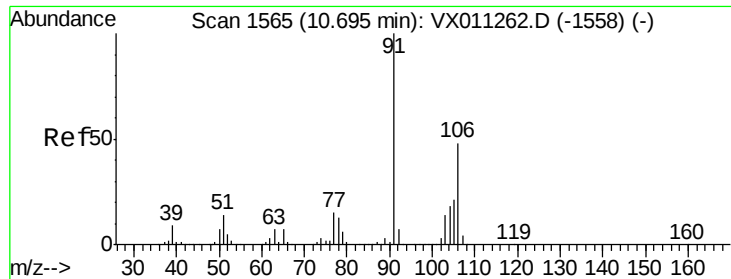
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#68
m/p-Xylenes
Concen: 102.163 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion: 106 Resp: 320625
Ion Ratio Lower Upper
106 100
91 200.2 155.9 233.9





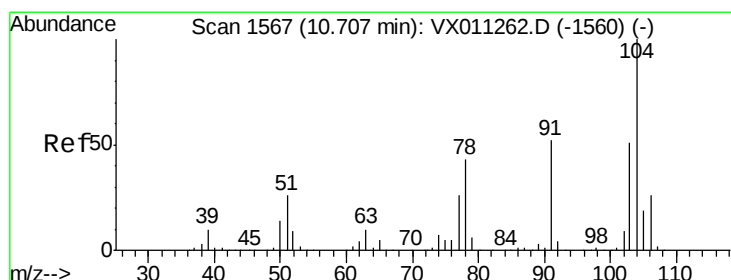
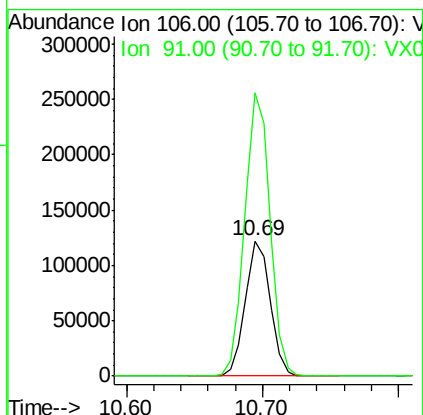
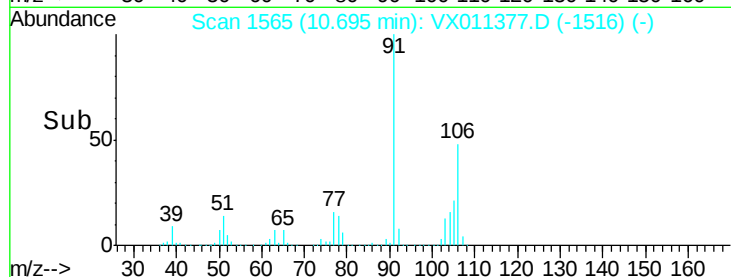
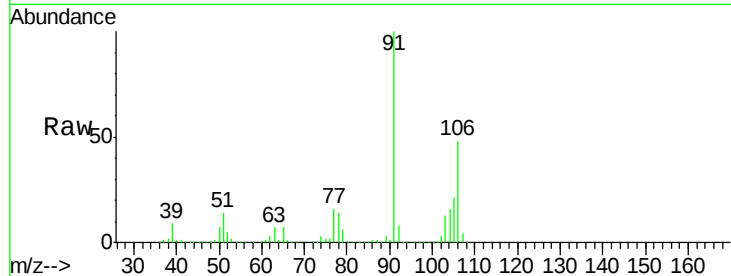
#69
o-Xylene
Concen: 51.048 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.0	103.8	157411	311.3	

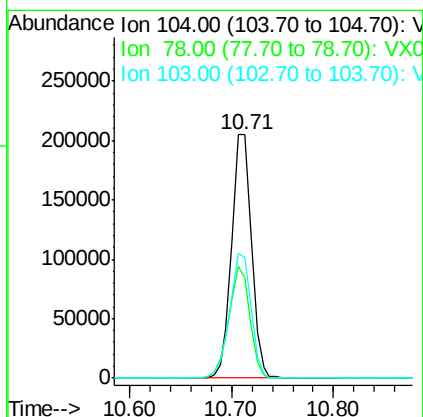
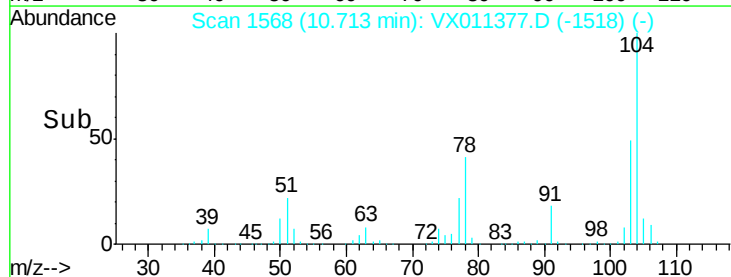
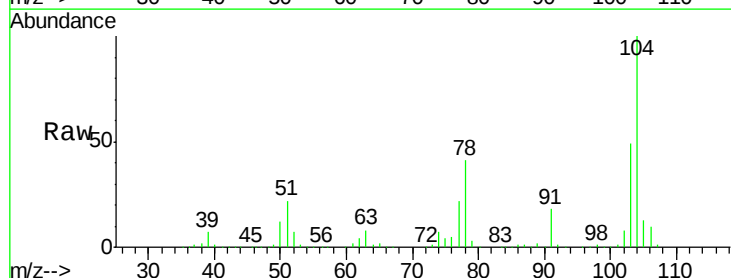
Manual Integrations
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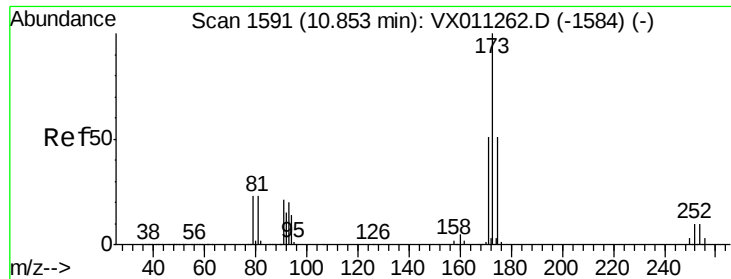
MMDadoda
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#70
Styrene
Concen: 53.872 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.5	36.9	274868	55.3	
103	55.0	44.4		66.6	





#71

Bromoform

Concen: 50.320 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:173 Resp: 74654

Ion Ratio Lower Upper

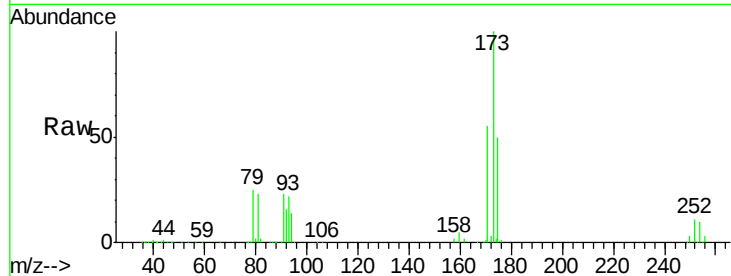
173 100

175 49.1 24.4 73.4

254 0.2 0.2 0.2

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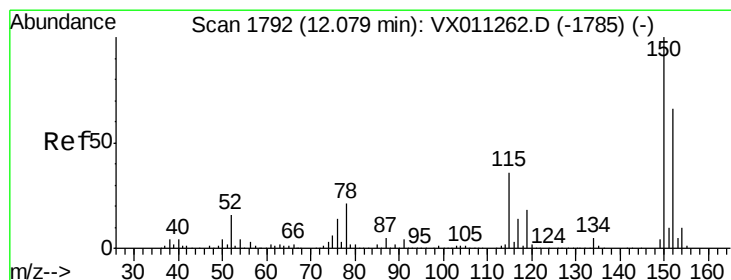
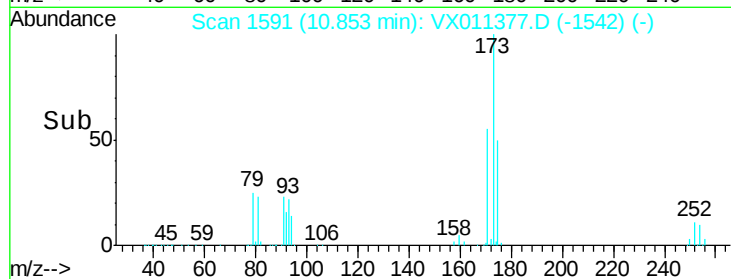
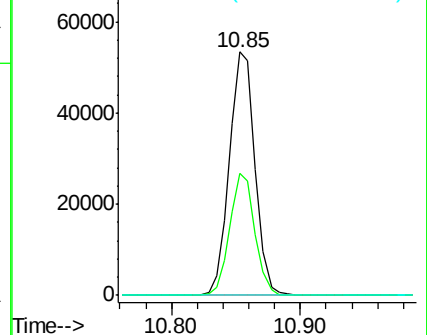
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

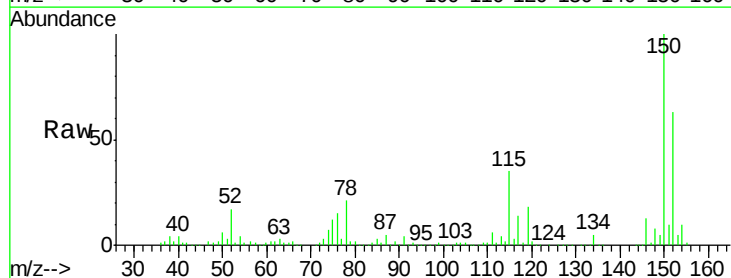
Tgt Ion:152 Resp: 122186

Ion Ratio Lower Upper

152 100

115 80.2 40.0 119.9

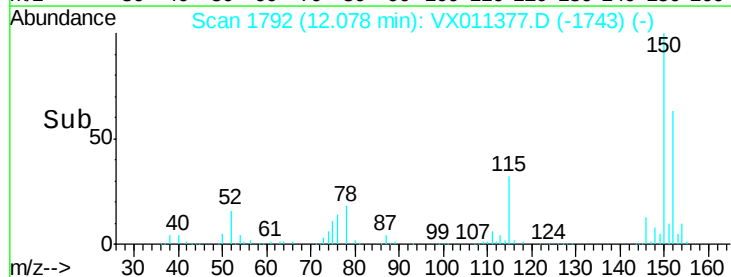
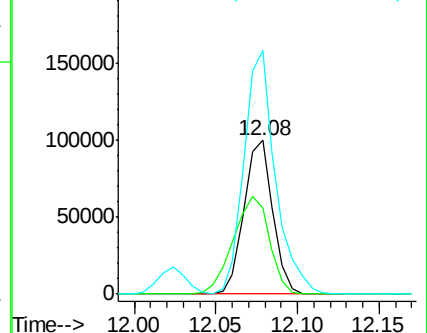
150 173.5 0.0 350.4

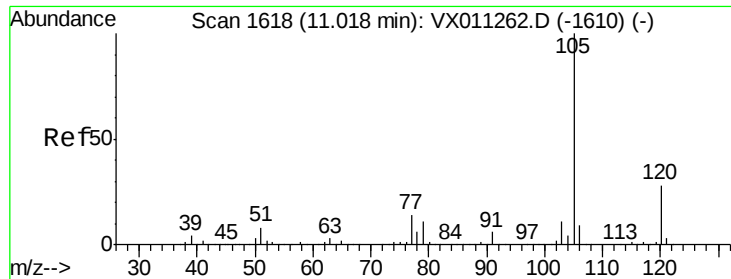


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.362 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 429218

Ion Ratio Lower Upper

105 100

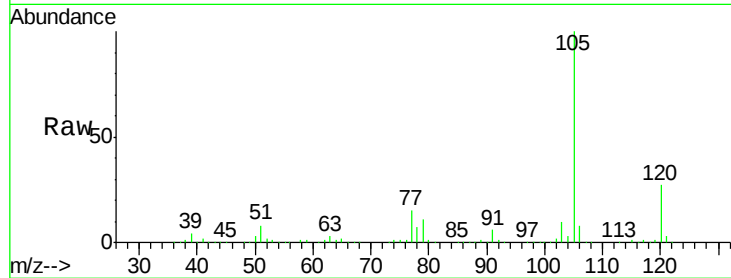
120 27.4 13.7 41.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

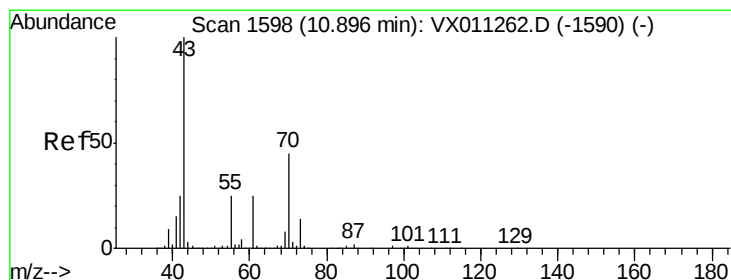
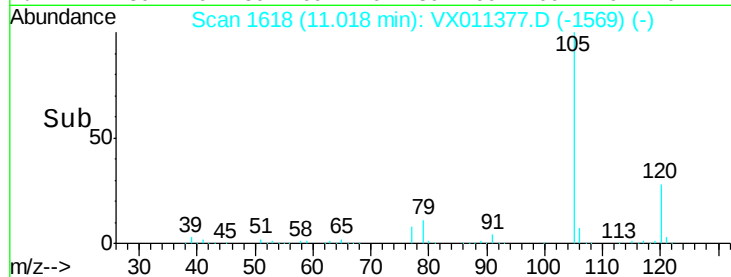
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 56.198 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion: 43 Resp: 169692

Ion Ratio Lower Upper

43 100

70 42.9 35.9 53.9

55 24.6 19.8 29.6

61 23.9 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

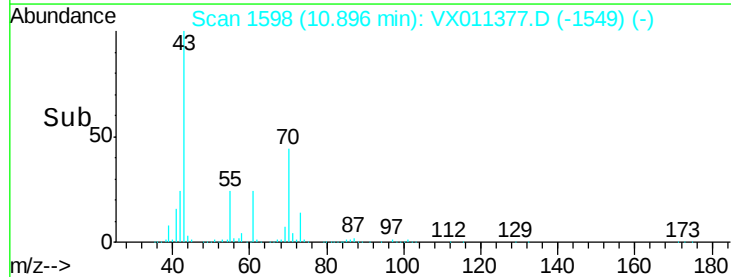
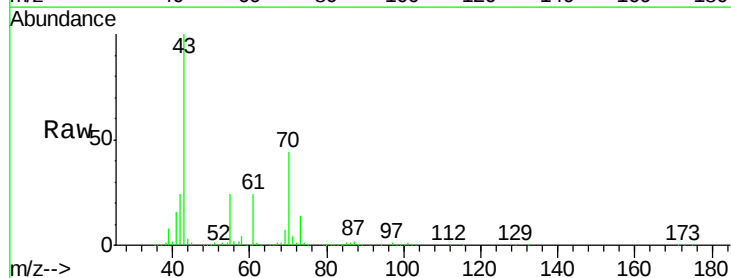
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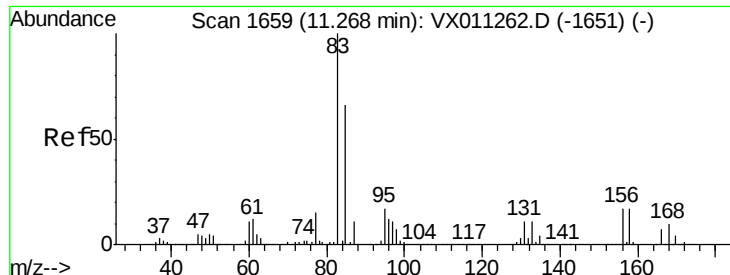
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.811 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

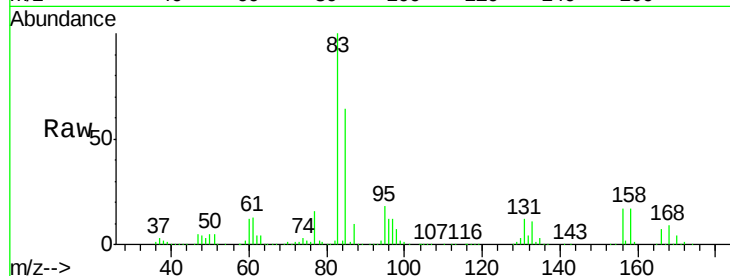
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	141501
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	64.8	32.1	96.5

Manual Integrations
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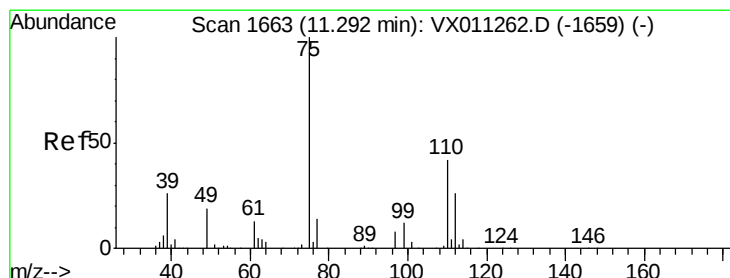
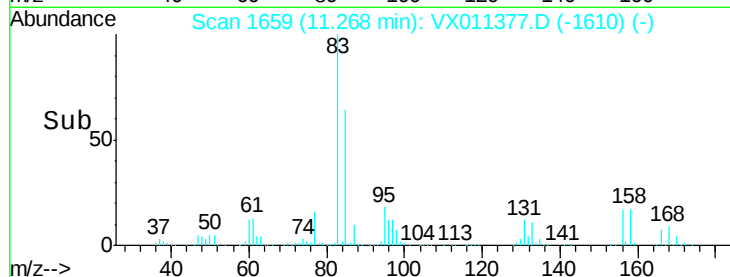
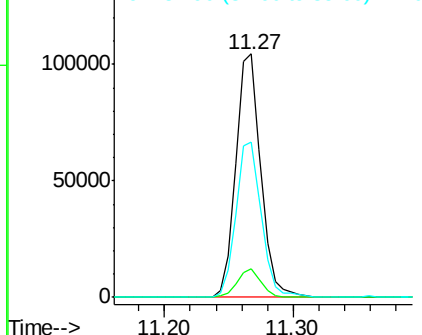
MMDadoda
8/8/2019 10:56:50 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 54.140 ug/l m

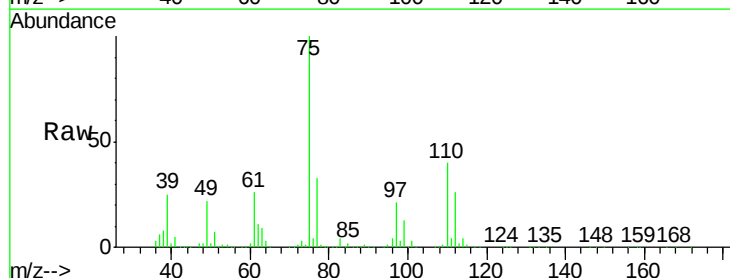
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011377.D

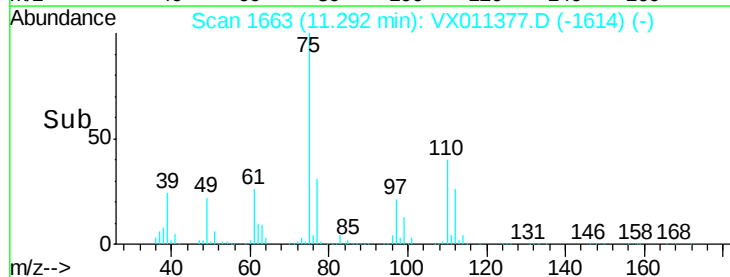
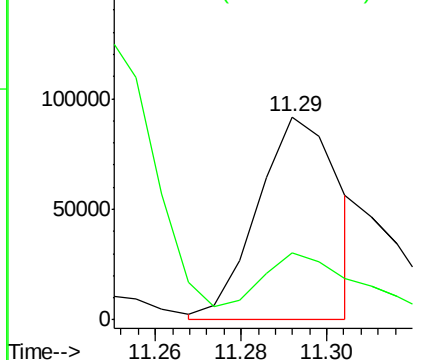
Acq: 07 Aug 2019 20:48

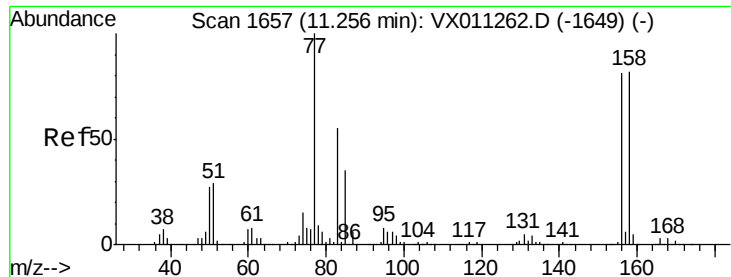
Tgt Ion:	75	Resp:	120469
Ion Ratio	Lower	Upper	
75	100		
77	42.0	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.764 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

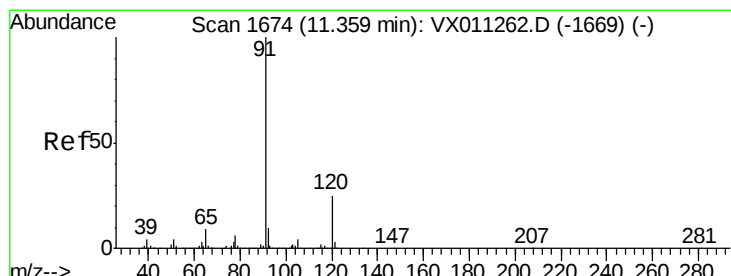
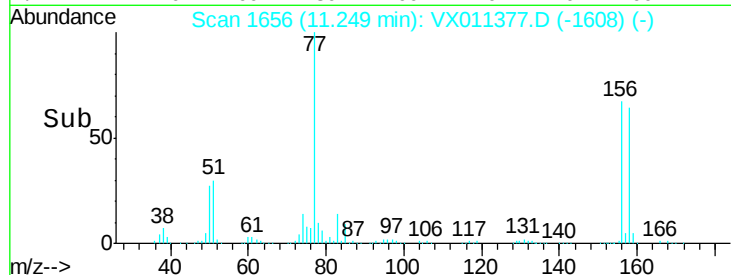
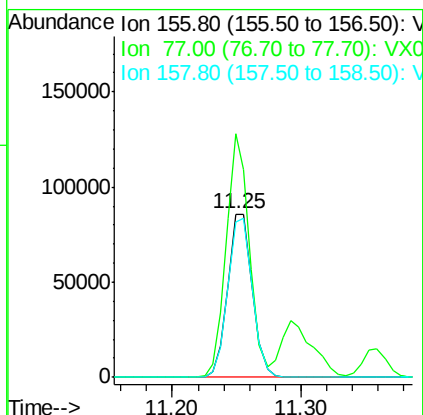
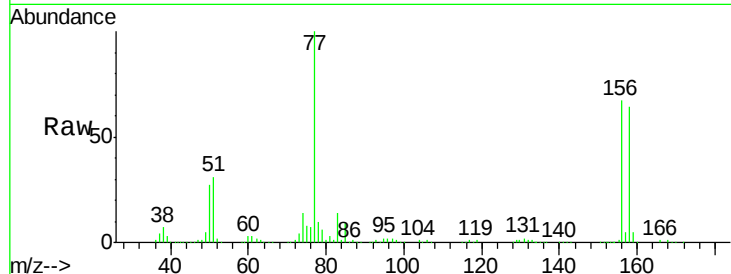
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	115317
Ion Ratio	Lower	Upper	
156	100		
77	140.5	66.2	198.6
158	97.7	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 51.389 ug/l

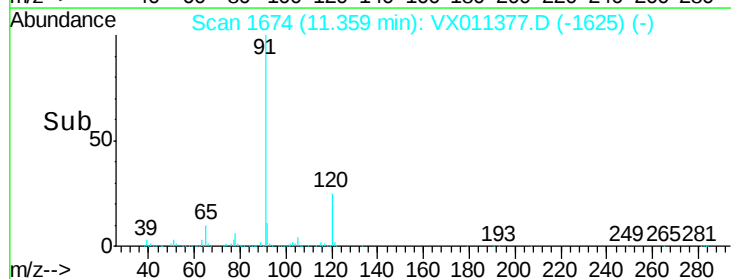
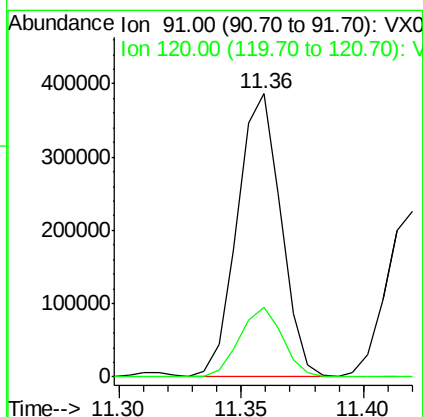
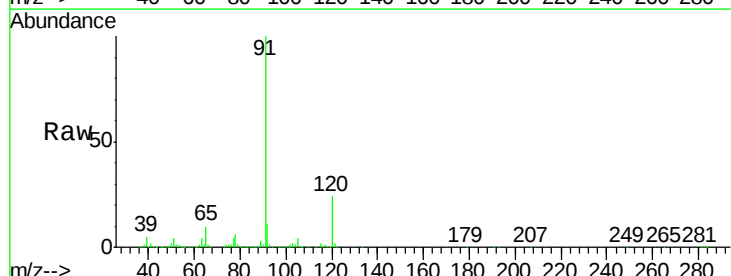
RT: 11.36 min Scan# 1674

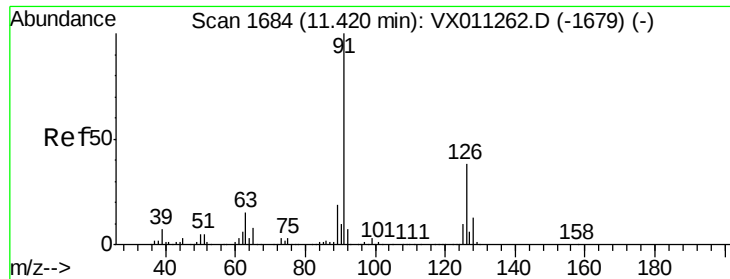
Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion:	91	Resp:	477566
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.4	37.0





#79

2-Chlorotoluene

Concen: 51.691 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 286314

Ion Ratio Lower Upper

91 100

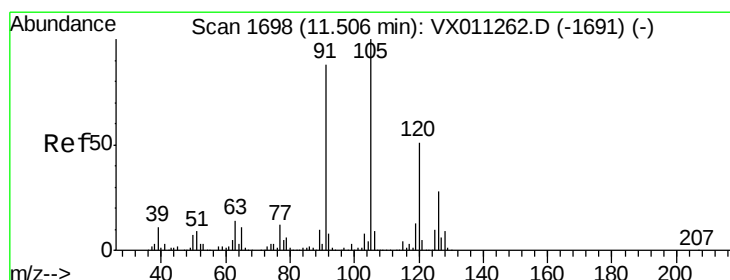
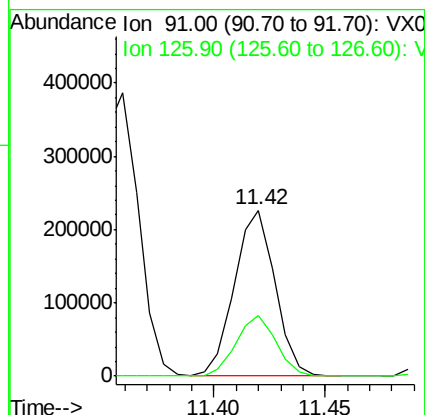
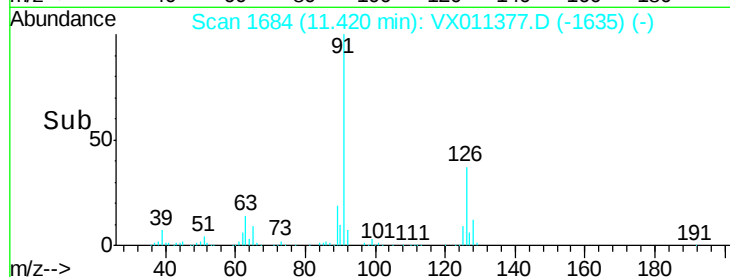
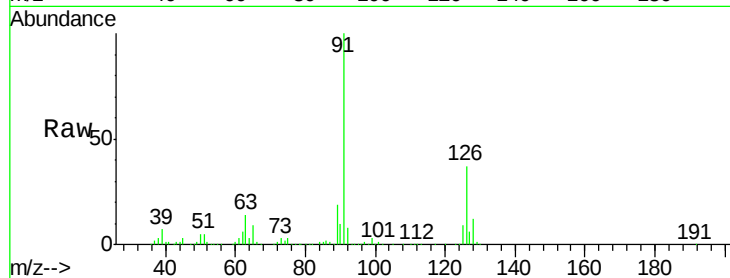
126 36.4 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.427 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011377.D

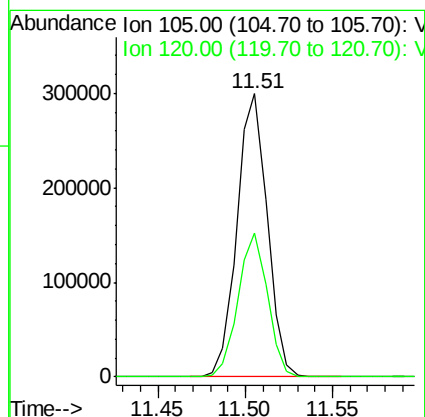
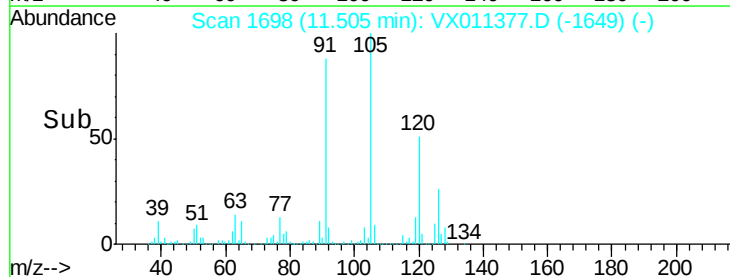
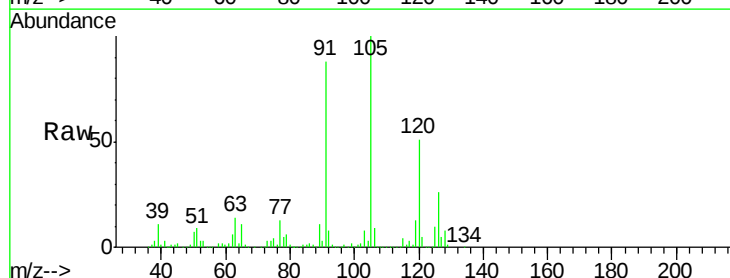
Acq: 07 Aug 2019 20:48

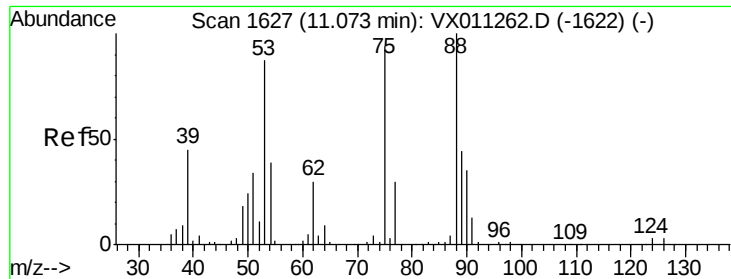
Tgt Ion: 105 Resp: 359756

Ion Ratio Lower Upper

105 100

120 49.5 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.786 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 40553

Ion Ratio Lower Upper

75 100

53 101.3 78.2 117.4

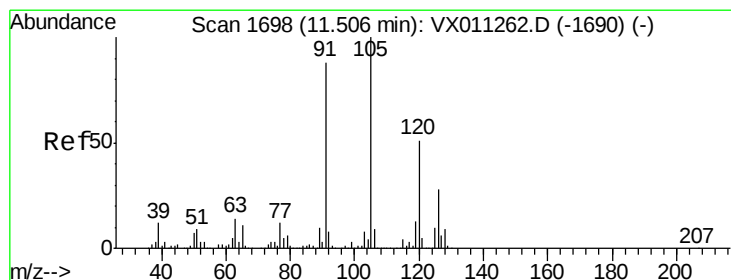
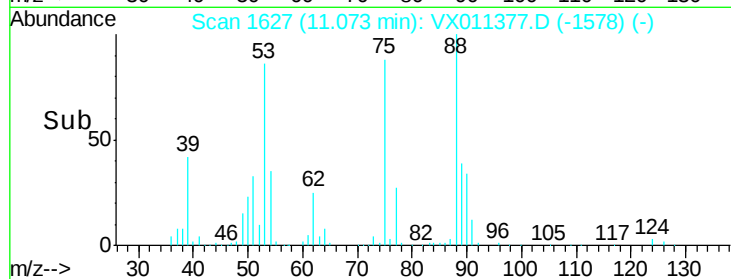
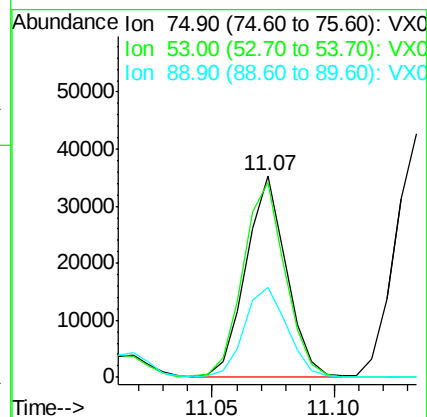
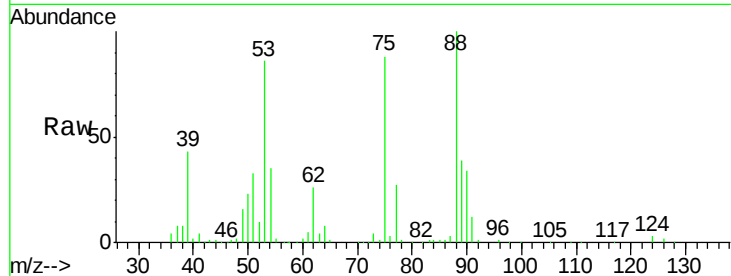
89 47.8 37.9 56.9

Manual Integrations

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#82

4-Chlorotoluene

Concen: 52.051 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011377.D

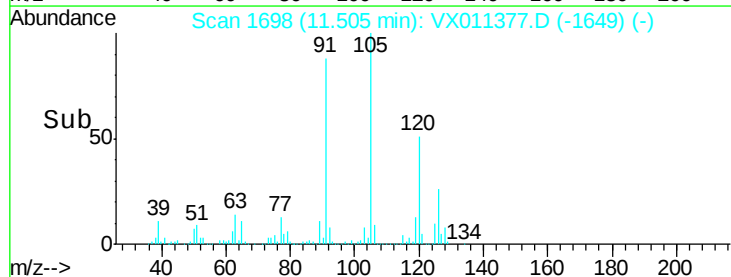
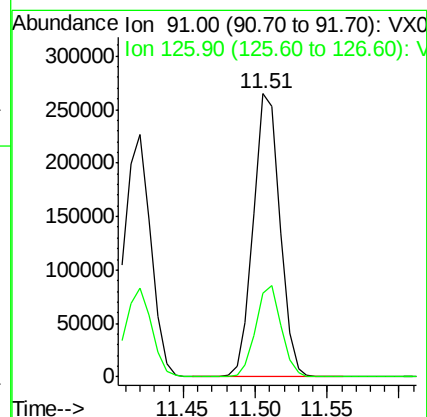
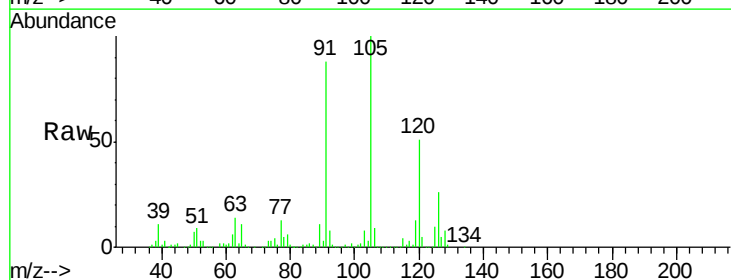
Acq: 07 Aug 2019 20:48

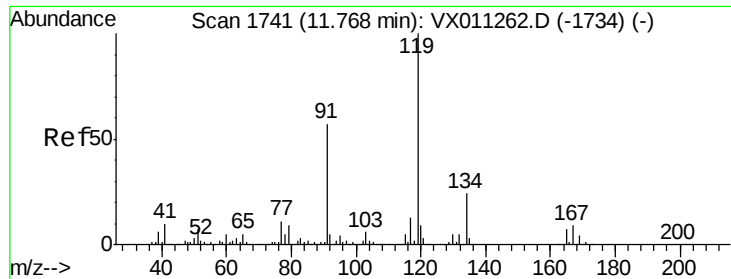
Tgt Ion: 91 Resp: 336000

Ion Ratio Lower Upper

91 100

126 31.3 16.4 49.2





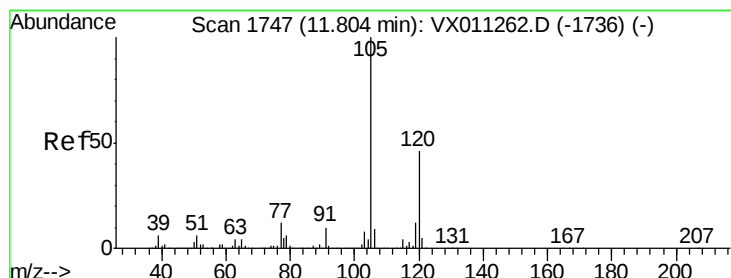
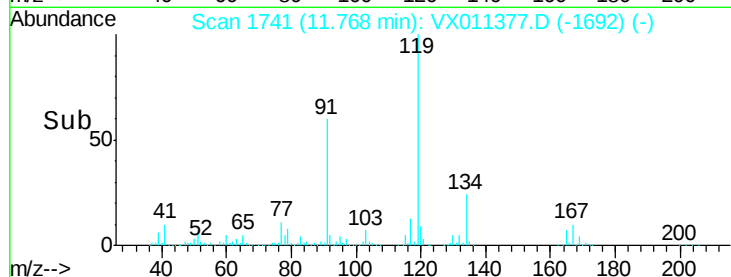
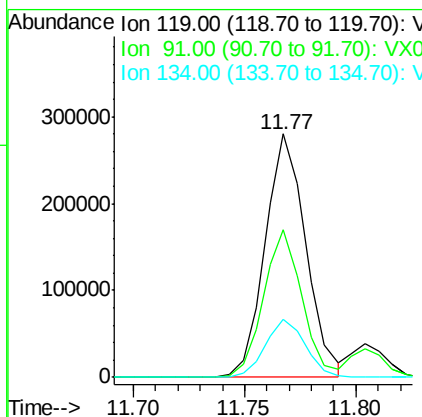
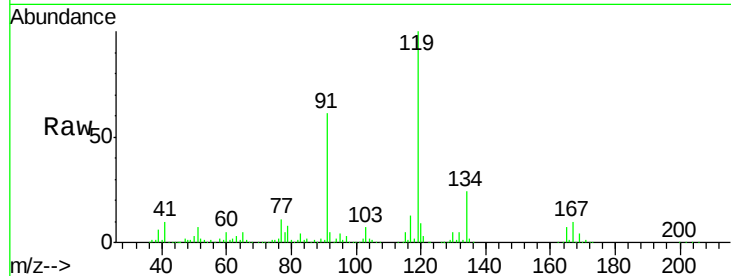
#83
tert-Butylbenzene
Concen: 51.758 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	28.0	84.0
134	23.4	11.9	35.5

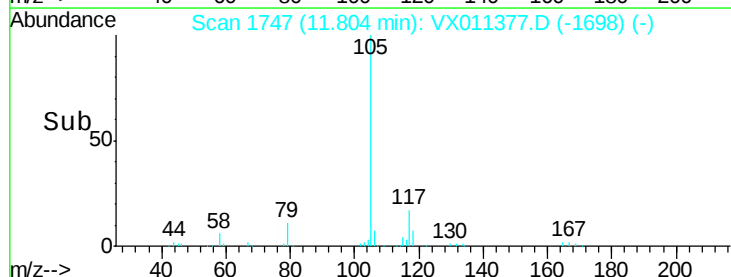
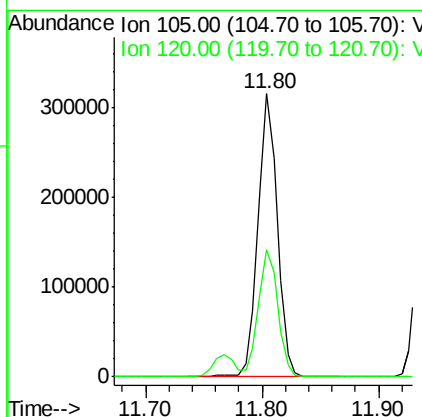
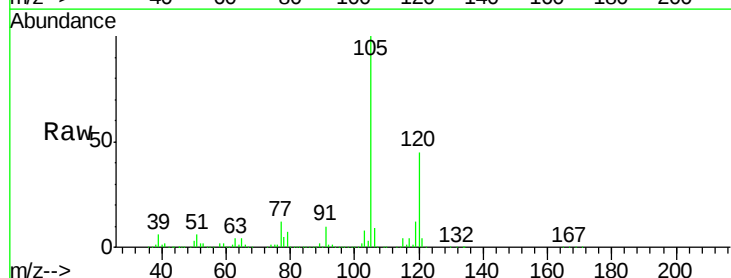
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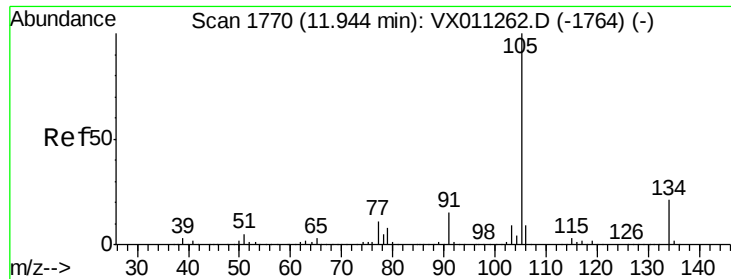
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#84
1,2,4-Trimethylbenzene
Concen: 52.624 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 50.911 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 419667

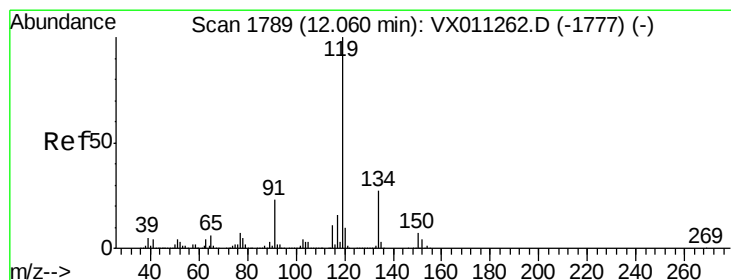
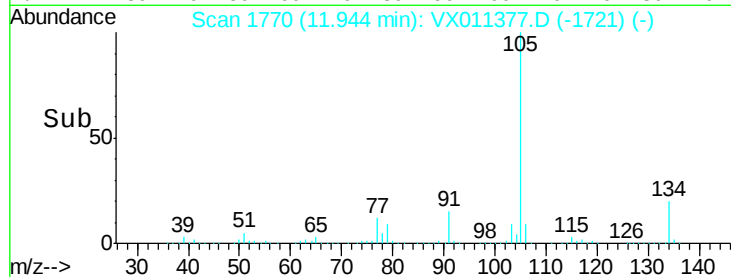
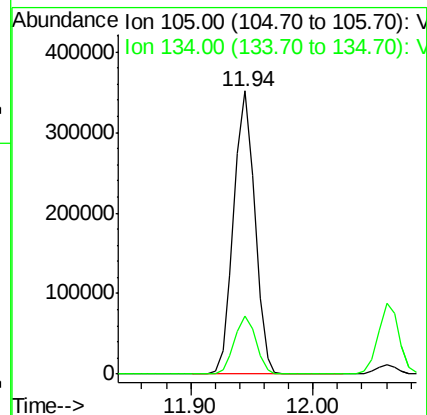
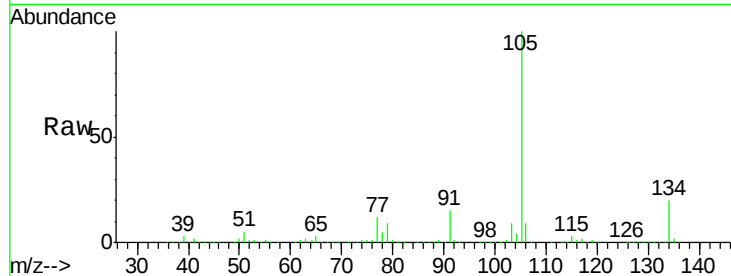
Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 51.004 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

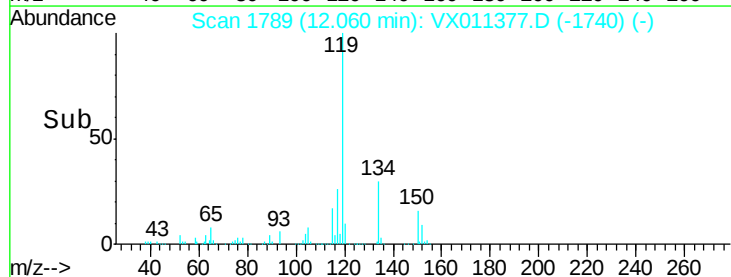
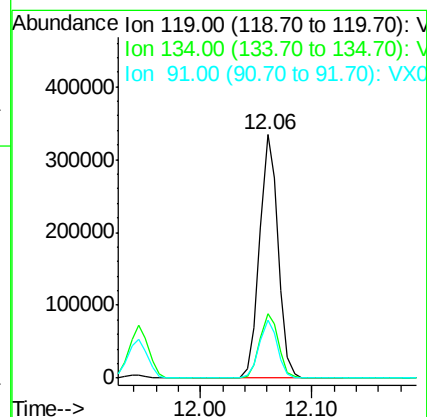
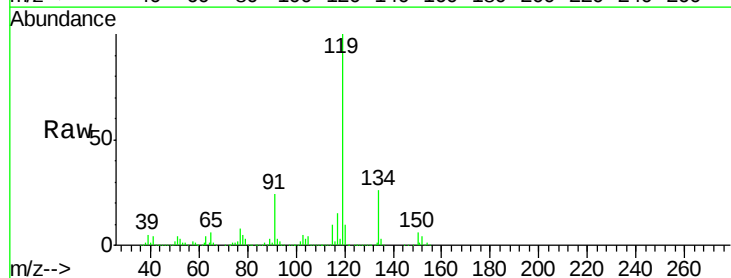
Tgt Ion:119 Resp: 386783

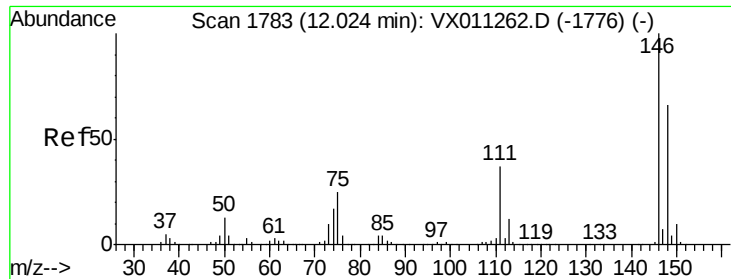
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 23.3 11.4 34.2





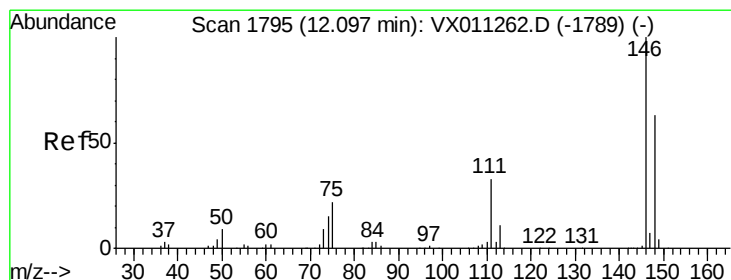
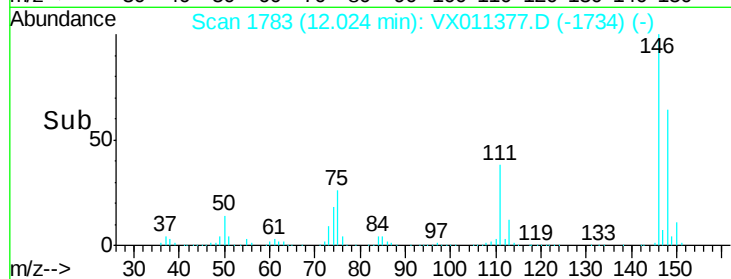
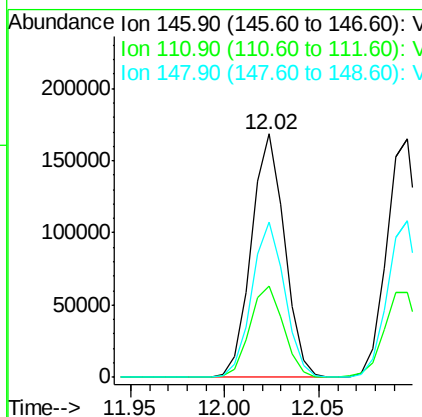
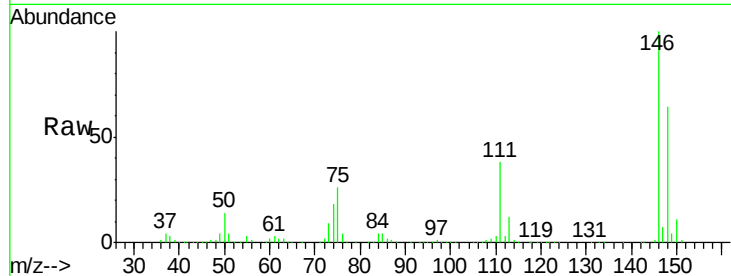
#87
 1,3-Dichlorobenzene
 Concen: 50.268 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	63.4	32.5	97.5

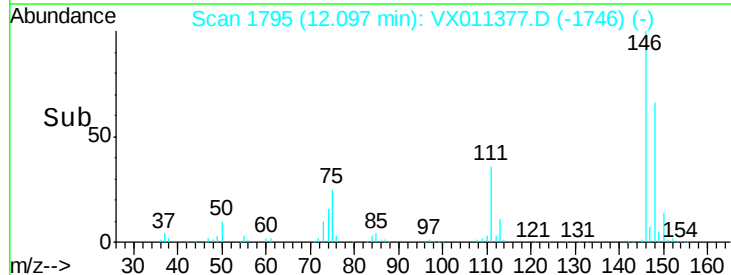
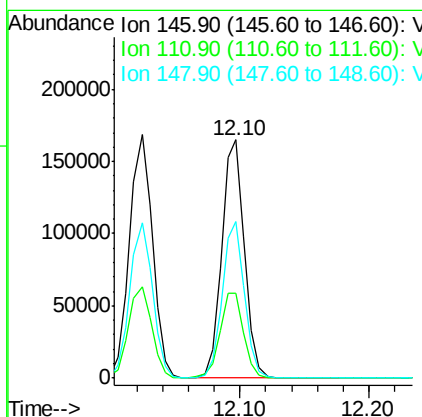
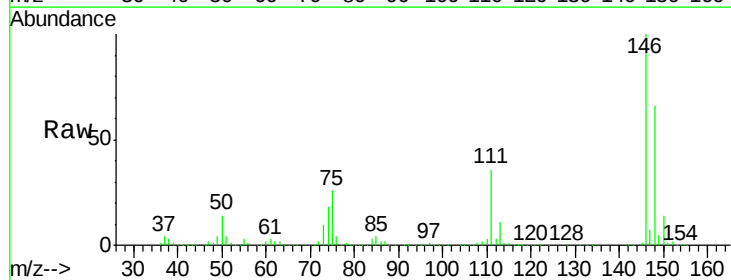
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#88
 1,4-Dichlorobenzene
 Concen: 48.344 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	17.8	53.4
148	64.4	31.8	95.3





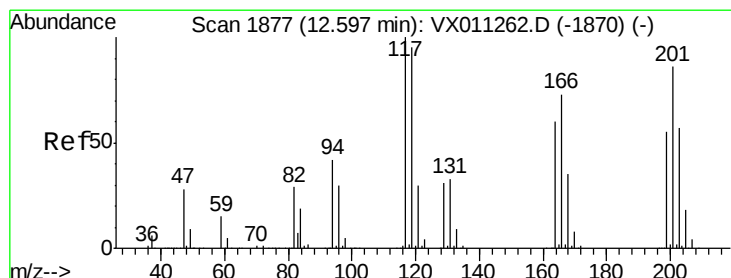
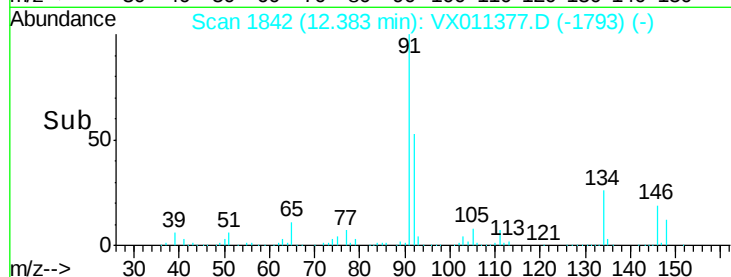
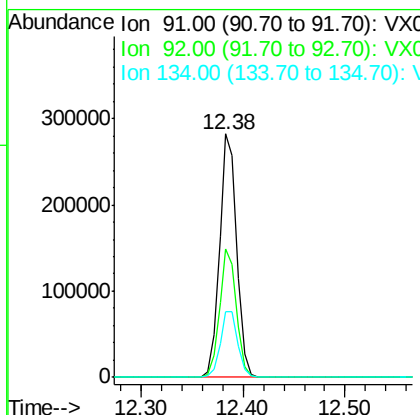
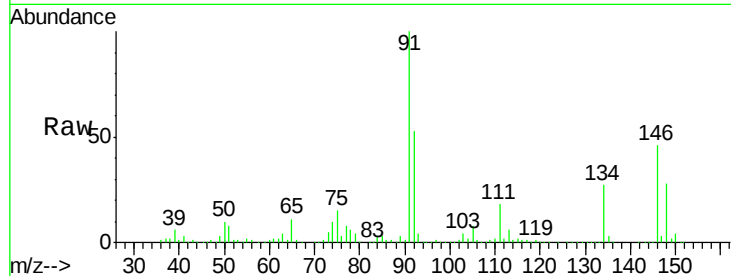
#89
n-Butylbenzene
Concen: 50.936 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.8	77.3
134	27.3	13.7	41.0

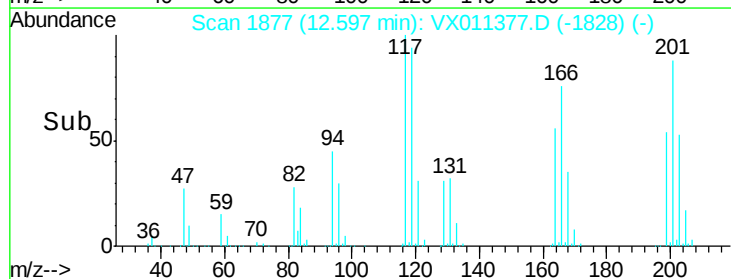
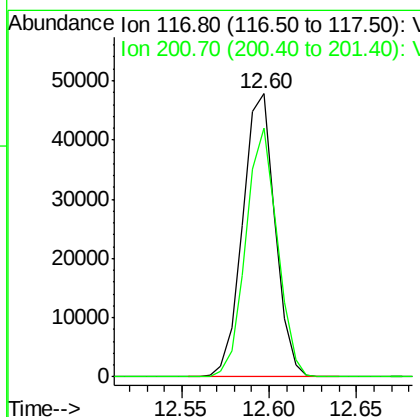
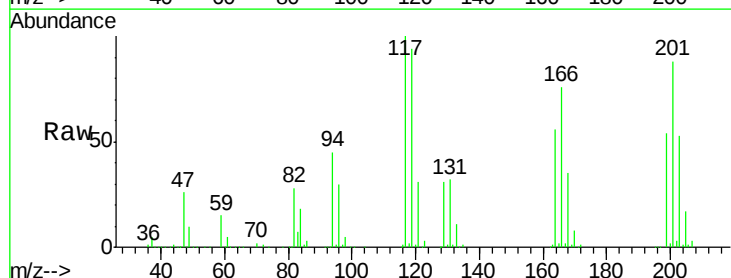
Manual Integrations
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#90
Hexachloroethane
Concen: 54.820 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX011377.D
Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	41.8	125.4





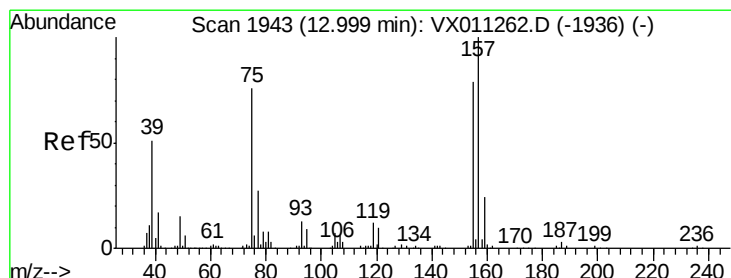
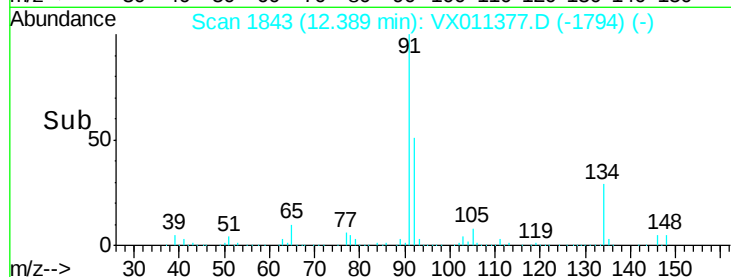
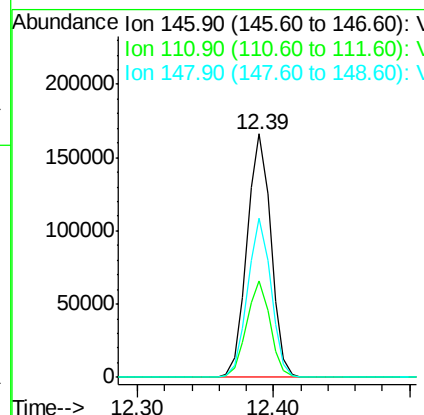
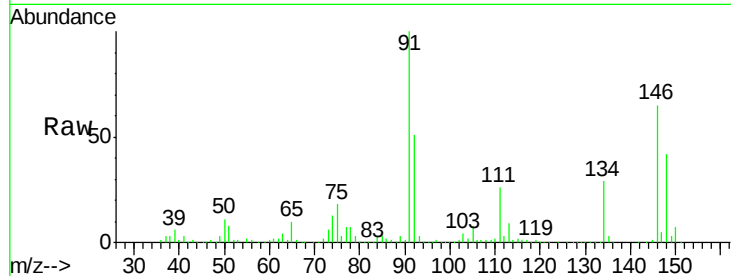
#91
 1,2-Dichlorobenzene
 Concen: 49.694 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.1
148	64.0	32.3	96.8

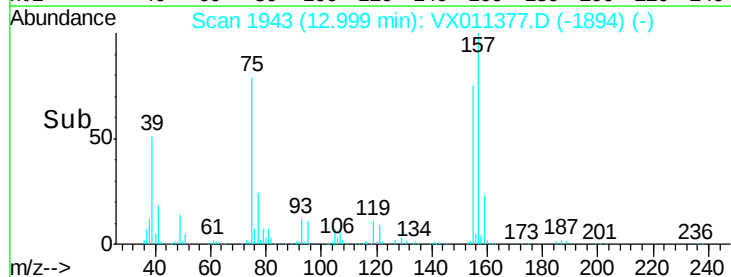
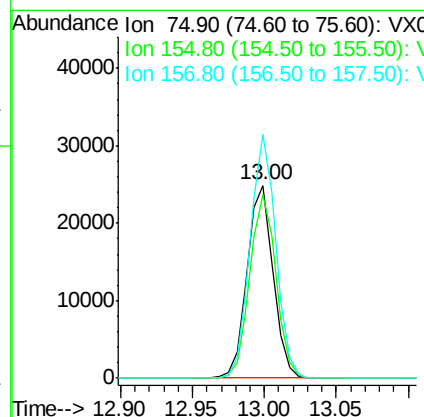
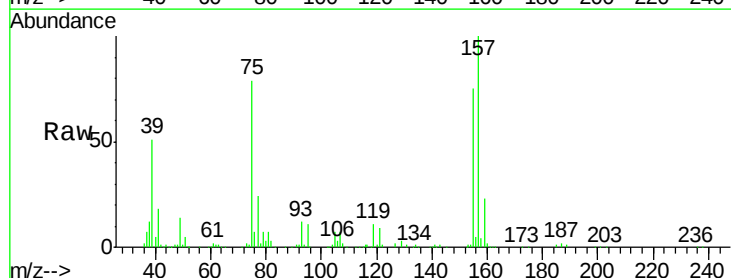
Manual Integrations
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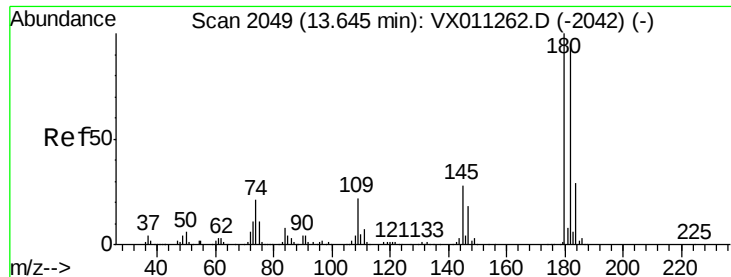
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.486 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	51.9	155.8
157	124.3	64.3	192.7





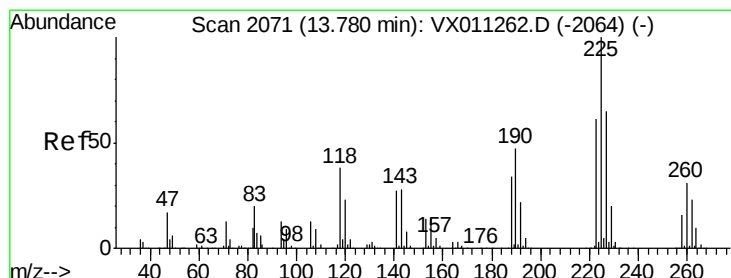
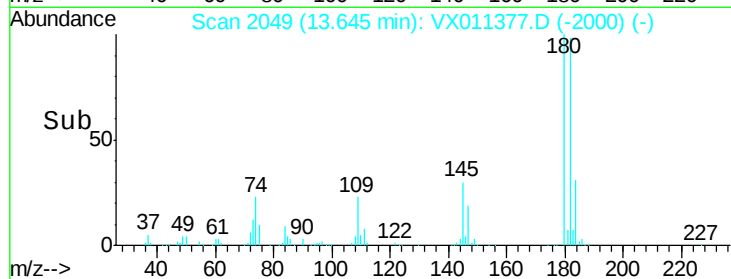
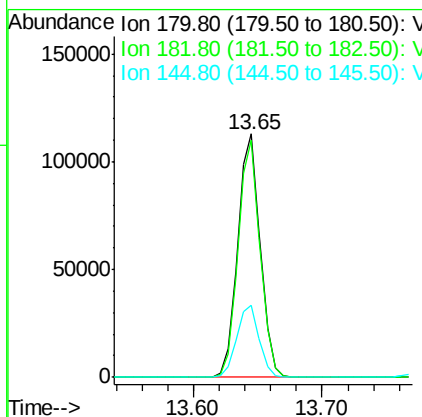
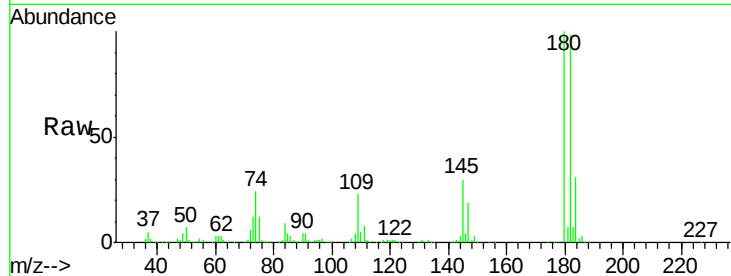
#93
 1,2,4-Trichlorobenzene
 Concen: 49.842 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	135984
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.8	143.4
145	29.8	14.8	44.3

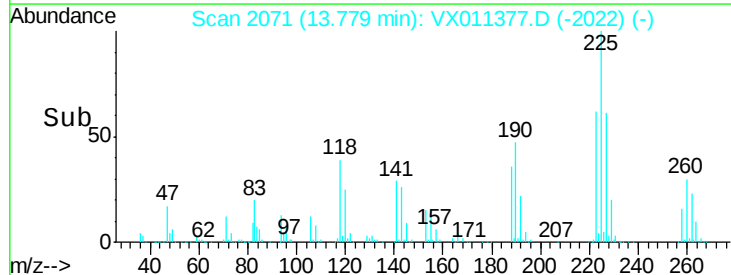
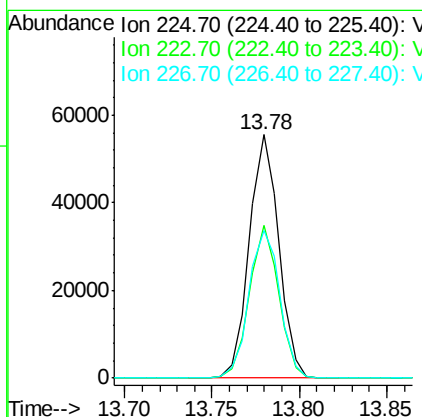
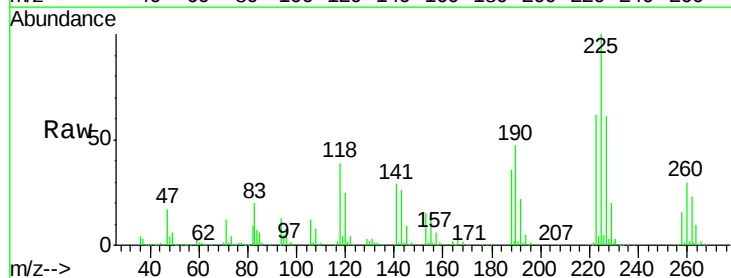
Manual Integrations
 APPROVED

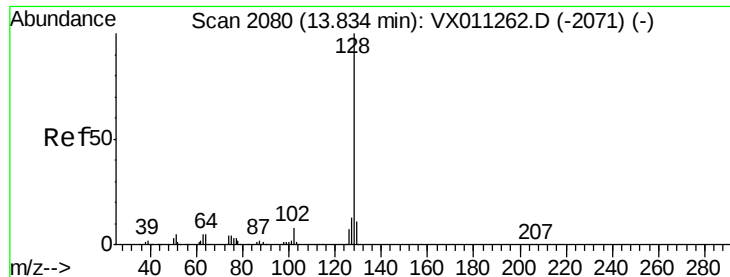
MMDadoda
 8/8/2019 10:56:50 AM



#94
 Hexachlorobutadiene
 Concen: 47.127 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011377.D
 Acq: 07 Aug 2019 20:48

Tgt Ion:	225	Resp:	65234
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.0	93.0
227	63.3	32.2	96.6





#95

Naphthalene

Concen: 54.568 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Instrument :

MSVOA_X

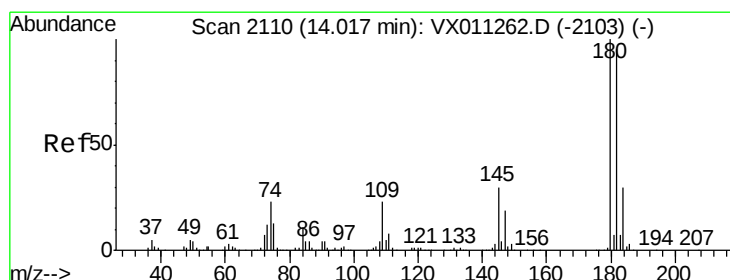
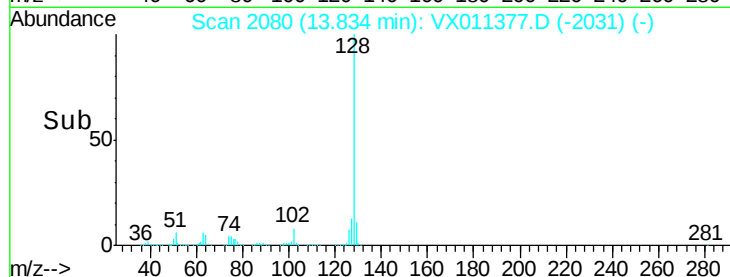
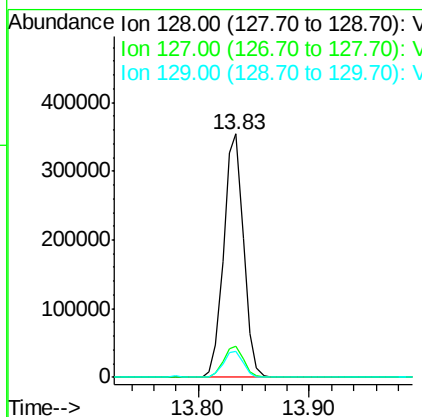
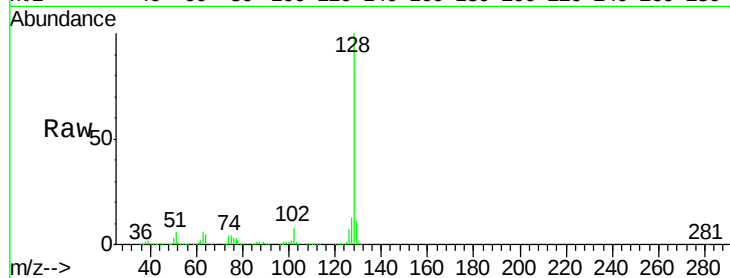
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	435375
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/8/2019 10:56:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.990 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011377.D

Acq: 07 Aug 2019 20:48

Tgt Ion:	180	Resp:	138654
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.4	142.3
145	31.2	15.2	45.6

