

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122018\
 Data File : VX006662.D
 Acq On : 20 Dec 2018 09:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:18:50 AM

Quant Time: Dec 21 03:44:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	737861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1095979	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1030351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	539742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	368630	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	5.50	113	342606	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	8.71	98	1302142	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	491496	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	317498	47.036	ug/l	98
3) Chloromethane	1.33	50	341239	46.923	ug/l	98
4) Vinyl Chloride	1.41	62	357138	47.022	ug/l	99
5) Bromomethane	1.64	94	366482	51.774	ug/l	100
6) Chloroethane	1.71	64	229177	43.578	ug/l	97
7) Trichlorofluoromethane	1.93	101	565113	47.723	ug/l	98
8) Diethyl Ether	2.19	74	217704	46.287	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	346827	49.883	ug/l	99
10) Methyl Iodide	2.51	142	519851	52.233	ug/l	100
11) Tert butyl alcohol	3.07	59	405970	228.748	ug/l	100
12) 1,1-Dichloroethene	2.37	96	309525	46.951	ug/l	99
13) Acrolein	2.29	56	240770	201.102	ug/l	99
14) Allyl chloride	2.73	41	531996	47.941	ug/l	99
15) Acrylonitrile	3.15	53	931191	236.313	ug/l	100
16) Acetone	2.45	43	921667	252.266	ug/l	98
17) Carbon Disulfide	2.57	76	792014	45.397	ug/l	100
18) Methyl Acetate	2.78	43	512365	47.692	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	1068527	48.834	ug/l	100
20) Methylene Chloride	2.85	84	346203	45.825	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	334277	45.763	ug/l	99
22) Diisopropyl ether	3.87	45	1037631	51.112	ug/l	98
23) Vinyl Acetate	3.82	43	4358933	262.498	ug/l	99
24) 1,1-Dichloroethane	3.70	63	587139	48.449	ug/l	98
25) 2-Butanone	4.70	43	1255633	244.325	ug/l	100
26) 2,2-Dichloropropane	4.59	77	460792	49.223	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	382076	47.408	ug/l	98
28) Bromochloromethane	5.02	49	254646	49.841	ug/l	97
29) Tetrahydrofuran	5.15	42	799090	236.080	ug/l	100
30) Chloroform	5.21	83	609790	48.590	ug/l	100
31) Cyclohexane	5.57	56	534736	48.570	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	525504	49.591	ug/l	100
36) 1,1-Dichloropropene	5.80	75	460237	50.702	ug/l	100
37) Ethyl Acetate	4.85	43	470842	49.836	ug/l	98
38) Carbon Tetrachloride	5.78	117	456805	51.782	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	610308	51.070	ug/l	96
40) Benzene	6.14	78	1374214	49.805	ug/l	98
41) Methacrylonitrile	5.06	41	259232	51.681	ug/l	99
42) 1,2-Dichloroethane	6.20	62	460891	49.020	ug/l	99
43) Isopropyl Acetate	6.46	43	759229	52.815	ug/l	99
44) Trichloroethene	7.21	130	413066	49.462	ug/l	97
45) 1,2-Dichloropropane	7.51	63	342198	50.964	ug/l	99
46) Dibromomethane	7.66	93	243717	49.347	ug/l	99
47) Bromodichloromethane	7.90	83	433945	52.923	ug/l	100
48) Methyl methacrylate	7.77	41	390805	53.460	ug/l	99
49) 1,4-Dioxane	7.75	88	193228	1010.459	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2402581	262.678	ug/l	100
52) Toluene	8.78	92	923795	51.824	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	492875	56.047	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	538837	55.843	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	376306	51.575	ug/l	98
56) Ethyl methacrylate	9.18	69	552302	53.557	ug/l	97
57) 1,3-Dichloropropane	9.37	76	590597	50.311	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1366707	249.322	ug/l	100
59) 2-Hexanone	9.49	43	1876175	268.096	ug/l	100
60) Dibromochloromethane	9.58	129	385551	50.499	ug/l	99
61) 1,2-Dibromoethane	9.67	107	407761	52.573	ug/l	100
64) Tetrachloroethene	9.34	164	400769	49.121	ug/l	96
65) Chlorobenzene	10.13	112	1080184	49.554	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	368262	54.149	ug/l	100
67) Ethyl Benzene	10.25	91	1792229	50.316	ug/l	99
68) m/p-Xylenes	10.36	106	1433979	102.024	ug/l	100
69) o-Xylene	10.69	106	701316	50.530	ug/l	98
70) Styrene	10.71	104	1144746	52.134	ug/l	100
71) Bromoform	10.86	173	284449	46.693	ug/l #	100
73) Isopropylbenzene	11.02	105	1872108	50.700	ug/l	99
74) N-amyl acetate	10.90	43	698610	52.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	546363	49.753	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	514231m	51.266	ug/l	
77) Bromobenzene	11.26	156	499744	50.061	ug/l	100
78) n-propylbenzene	11.36	91	2123165	52.215	ug/l	100
79) 2-Chlorotoluene	11.42	91	1228784	49.867	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1549044	50.933	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	154797	47.222	ug/l	99
82) 4-Chlorotoluene	11.51	91	1422681	50.333	ug/l	100
83) tert-Butylbenzene	11.77	119	1579027	51.875	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1597702	49.944	ug/l	100
85) sec-Butylbenzene	11.94	105	1920148	51.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	1735161	52.891	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	908444	50.493	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	909922	49.335	ug/l	99
89) n-Butylbenzene	12.38	91	1516852	54.329	ug/l	99
90) Hexachloroethane	12.60	117	254072	49.519	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	876225	48.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	114802	50.524	ug/l	99

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ClientSampleId :
VSTDCCC050

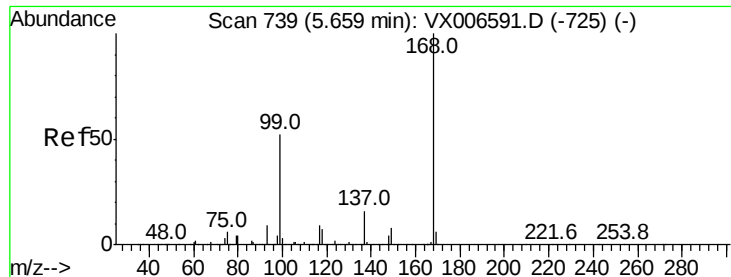
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	651470	52.476	ug/l	99
94) Hexachlorobutadiene	13.78	225	303850	51.926	ug/l	100
95) Naphthalene	13.83	128	1966877	49.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	645857	50.387	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. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 737861

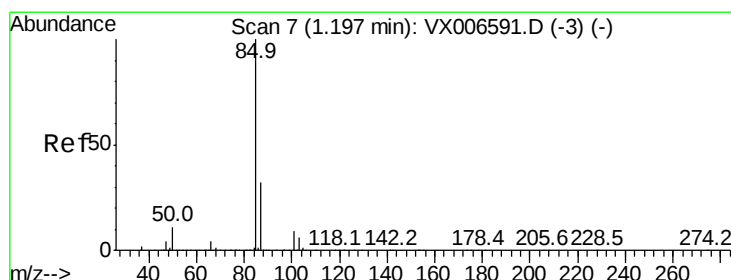
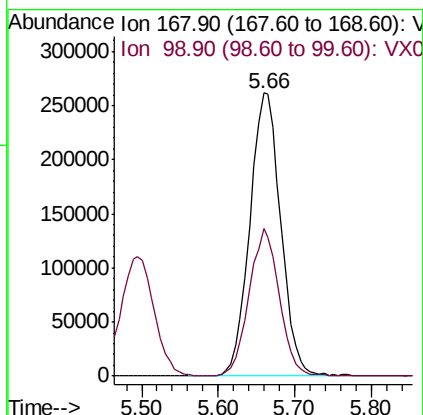
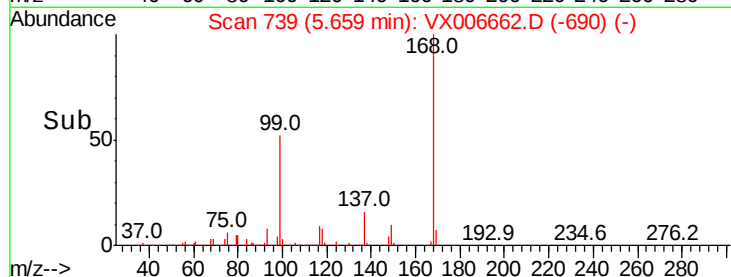
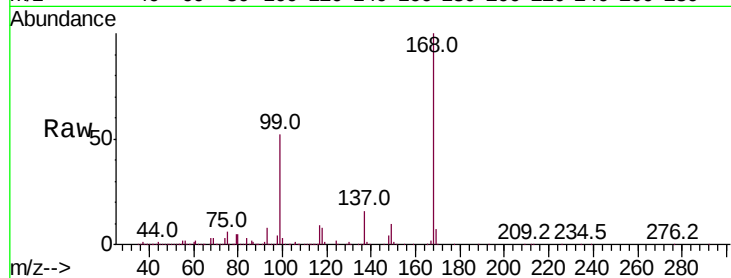
Ion Ratio Lower Upper

168 100

99 52.1 41.8 62.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 47.036 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006662.D

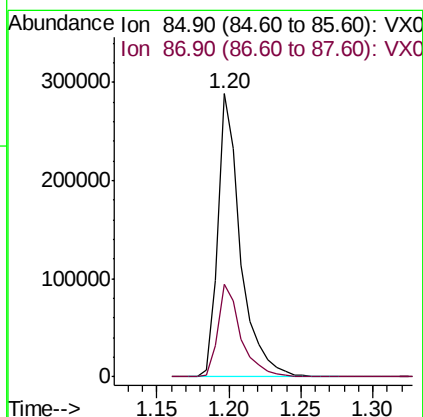
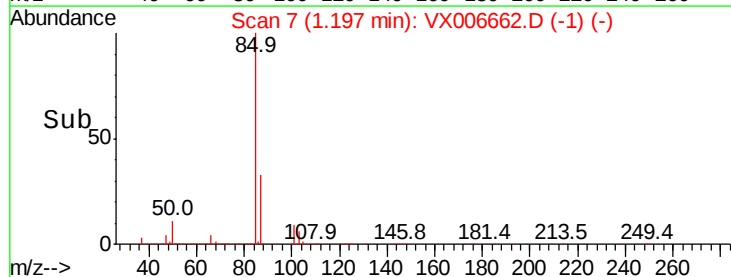
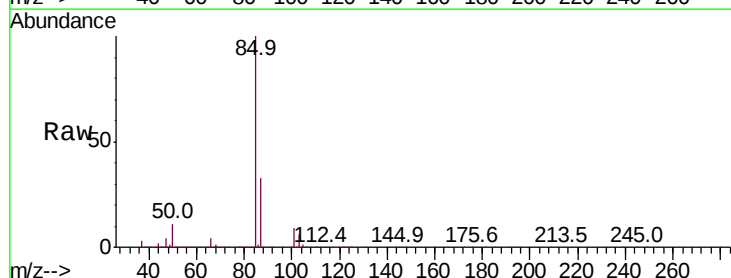
Acq: 20 Dec 2018 09:00

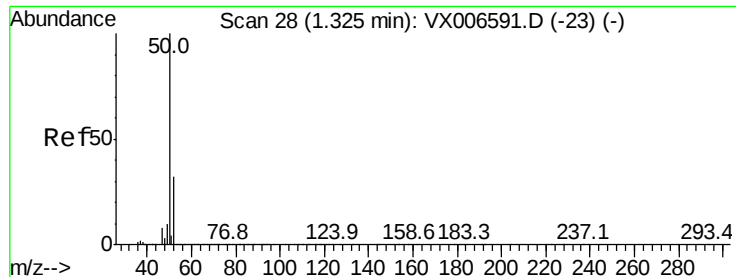
Tgt Ion: 85 Resp: 317498

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6





#3

Chloromethane

Concen: 46.923 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 341239

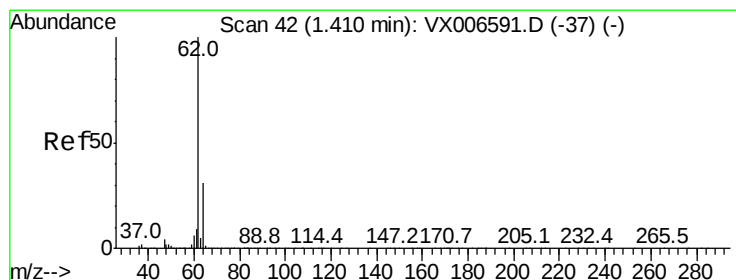
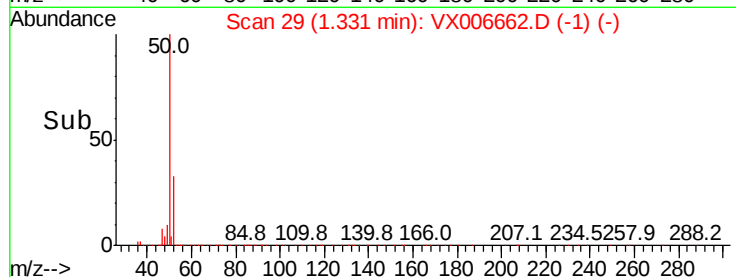
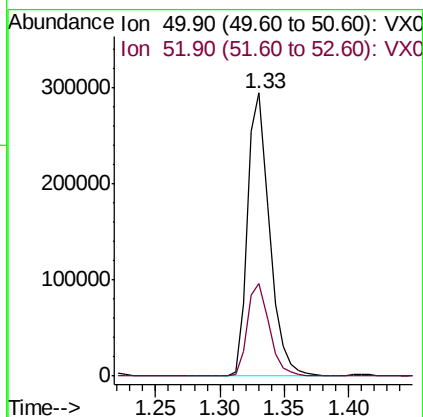
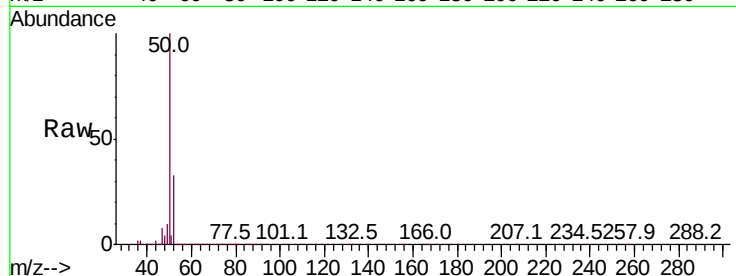
Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.022 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006662.D

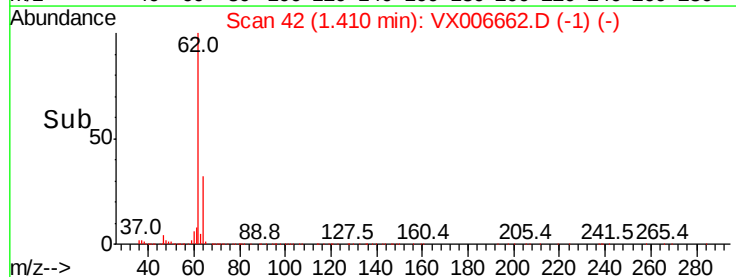
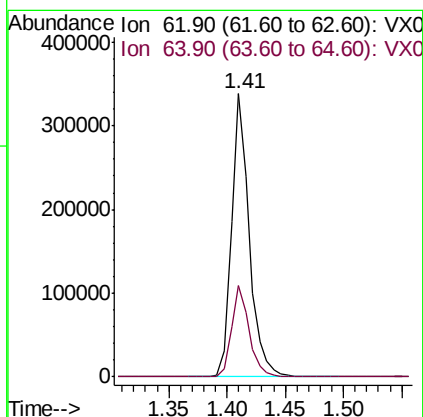
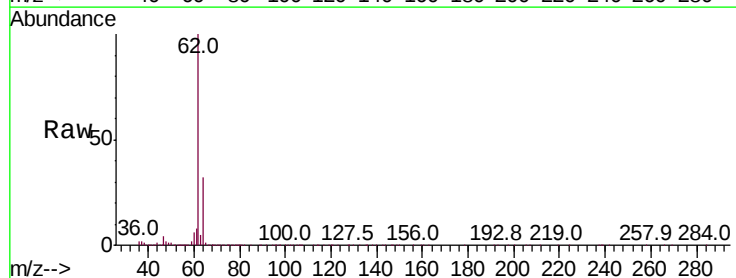
Acq: 20 Dec 2018 09:00

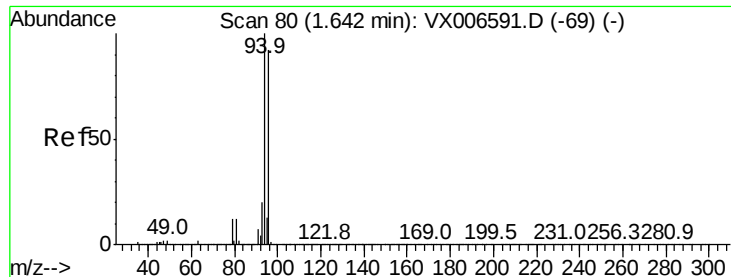
Tgt Ion: 62 Resp: 357138

Ion Ratio Lower Upper

62 100

64 32.1 25.1 37.7





#5

Bromomethane

Concen: 51.774 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 366482

Ion Ratio Lower Upper

94 100

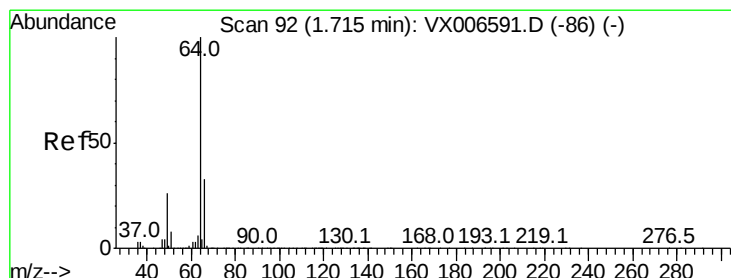
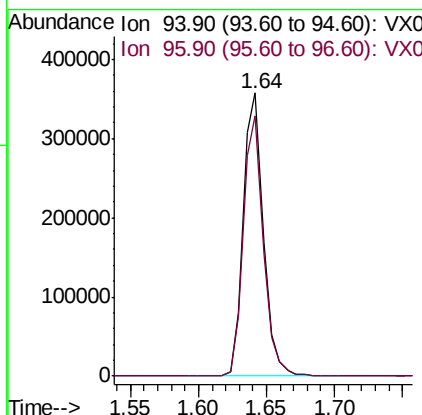
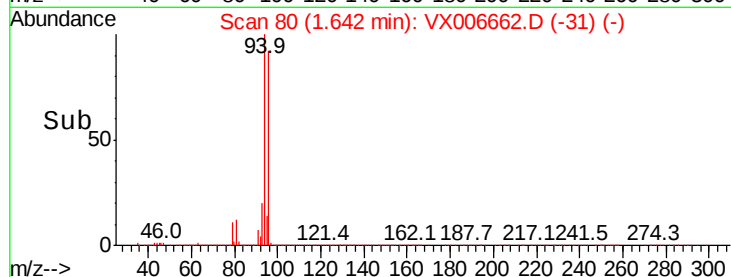
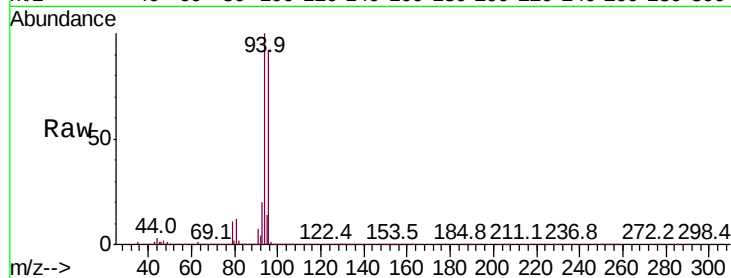
96 92.2 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 43.578 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006662.D

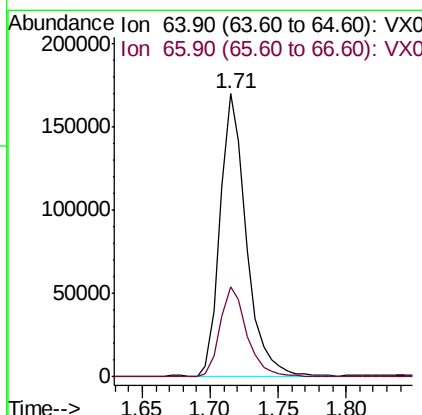
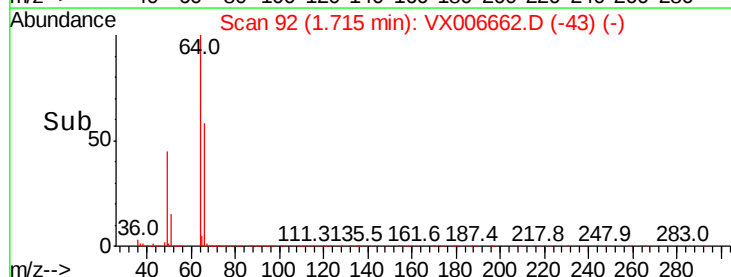
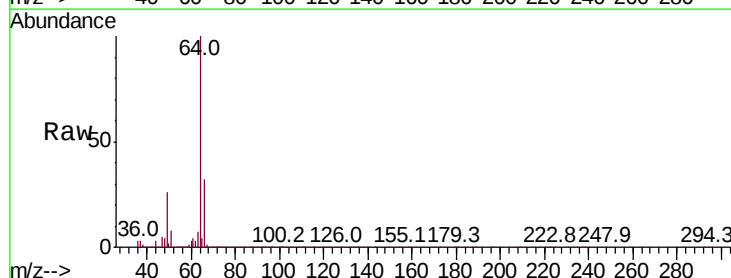
Acq: 20 Dec 2018 09:00

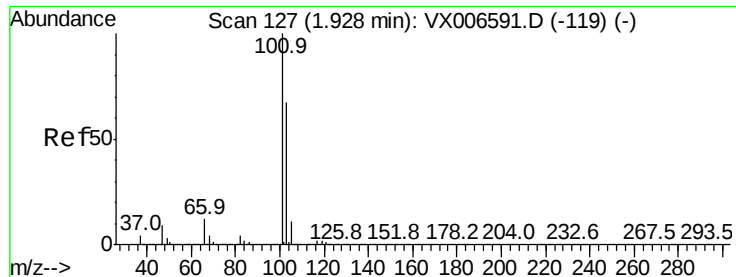
Tgt Ion: 64 Resp: 229177

Ion Ratio Lower Upper

64 100

66 31.5 26.4 39.6





#7

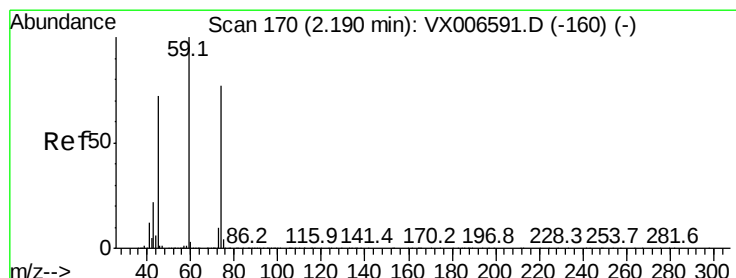
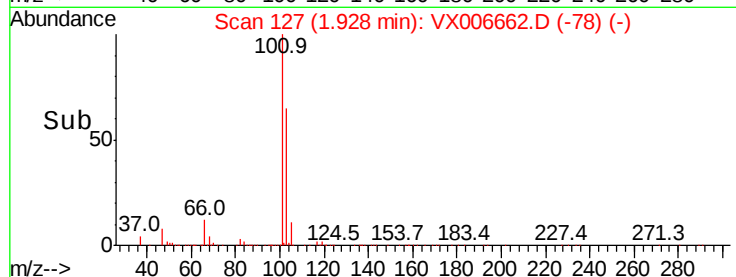
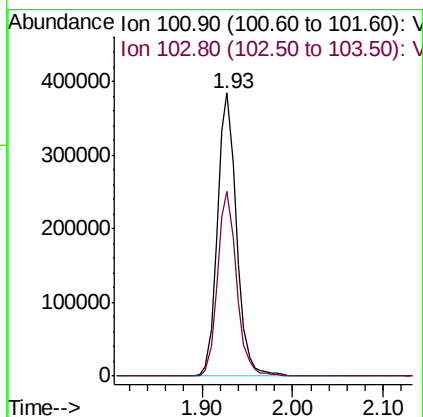
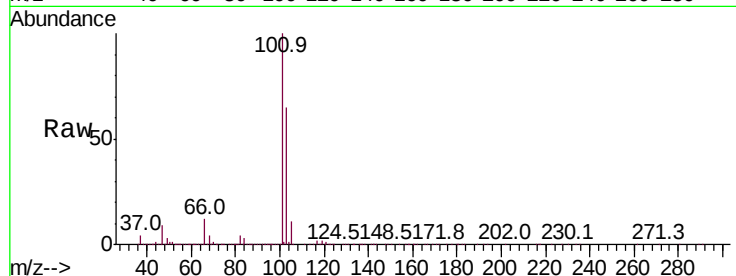
Trichlorofluoromethane
Concen: 47.723 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.2	79.8

Manual Integrations
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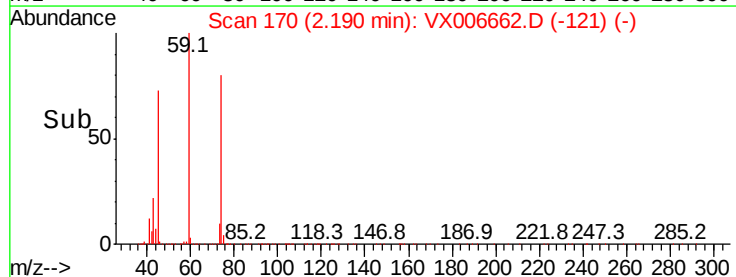
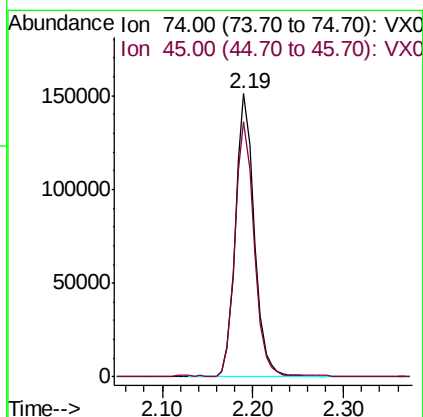
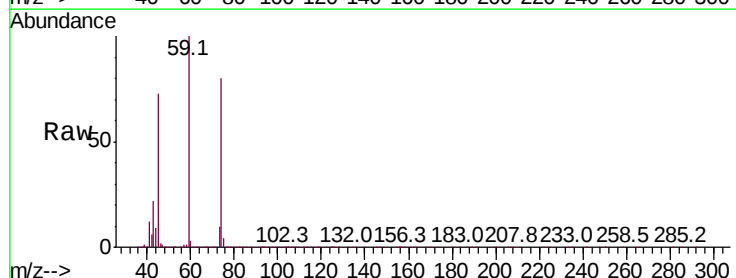
MMDadoda
12/21/2018 10:18:50 AM

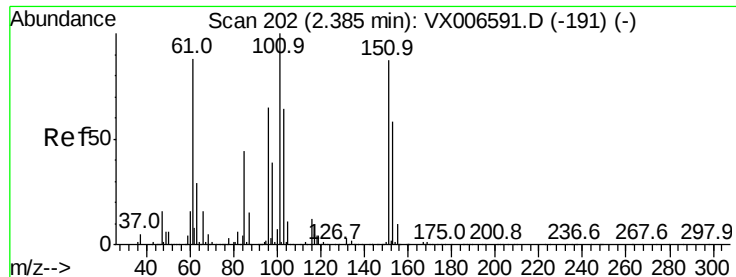


#8

Diethyl Ether
Concen: 46.287 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.9	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.883 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

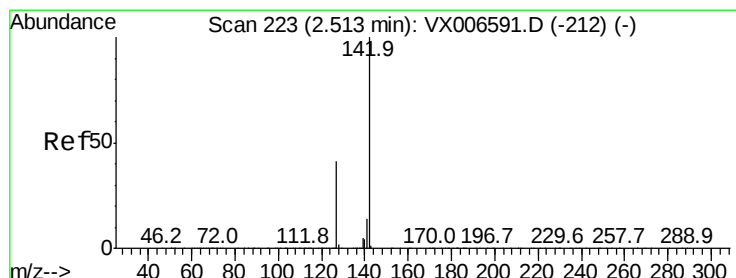
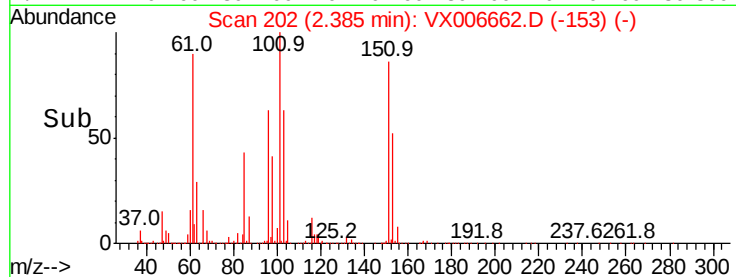
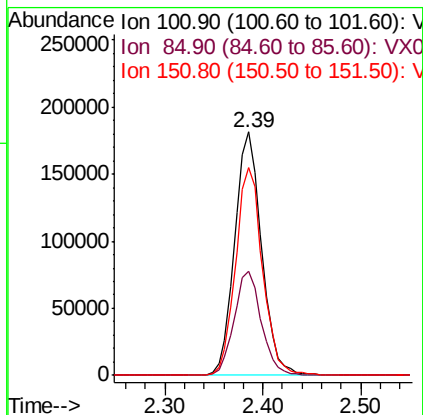
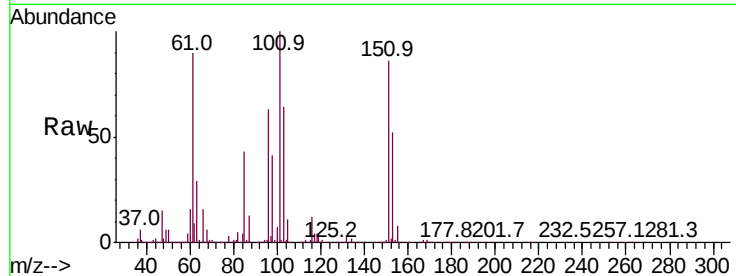
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	346827
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.1	52.7
151	85.8	68.9	103.3

Manual Integrations
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12/21/2018 10:18:50 AM



#10

Methyl Iodide

Concen: 52.233 ug/l

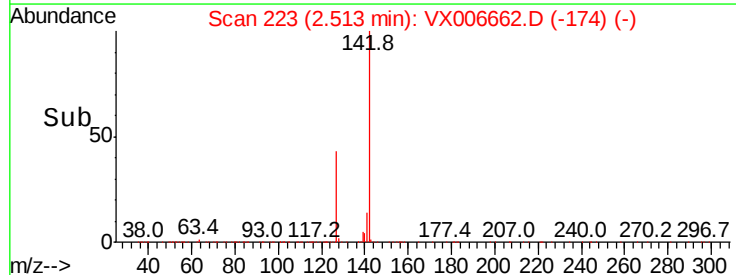
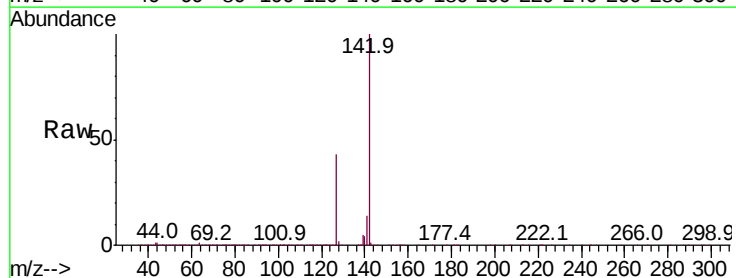
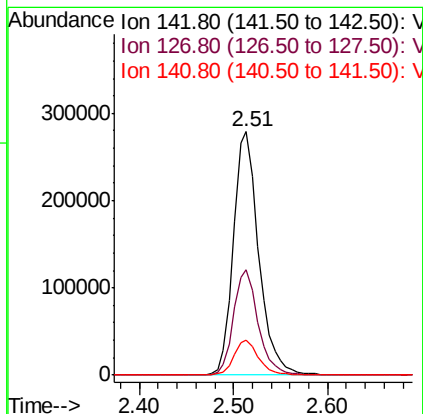
RT: 2.51 min Scan# 223

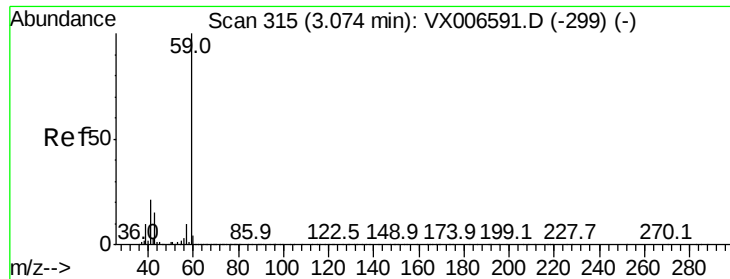
Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion:	142	Resp:	519851
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.1	11.4	17.0





#11

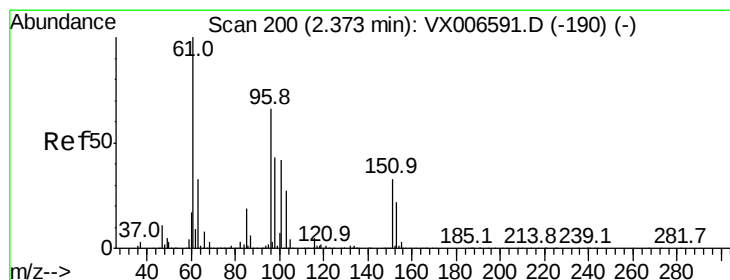
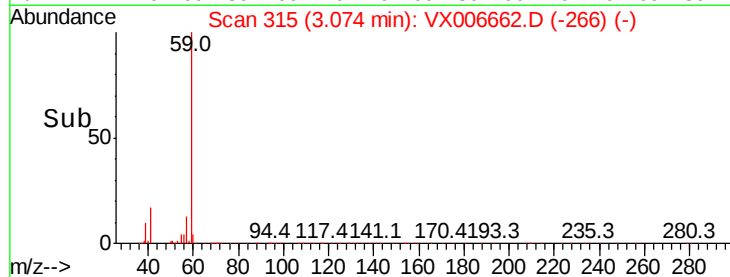
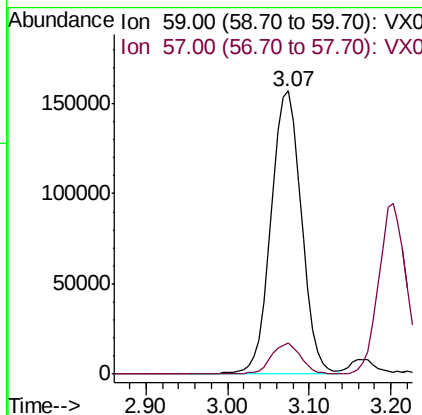
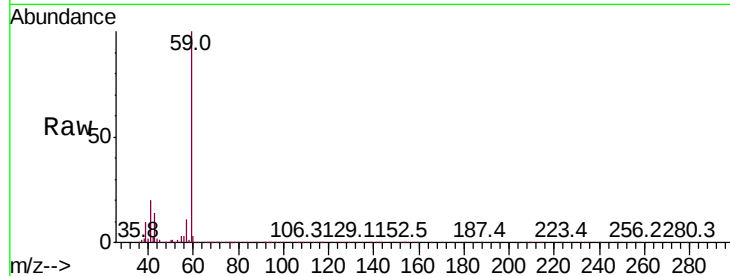
Tert butyl alcohol
 Concen: 228.748 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX006662.D
 Acq: 20 Dec 2018 09:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

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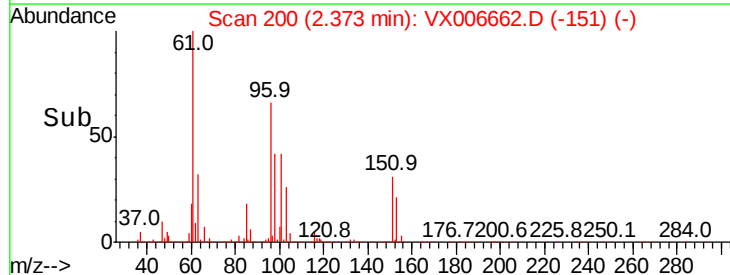
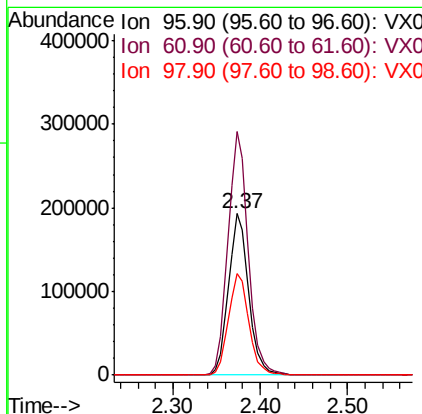
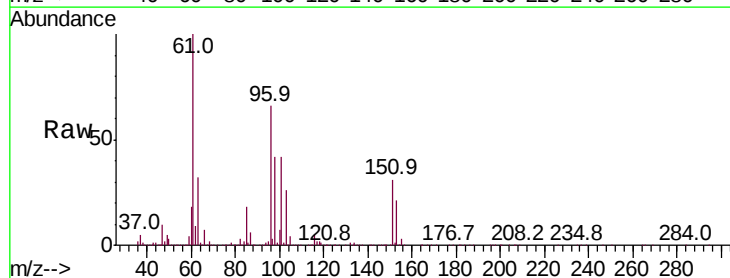
MMDadoda
 12/21/2018 10:18:50 AM

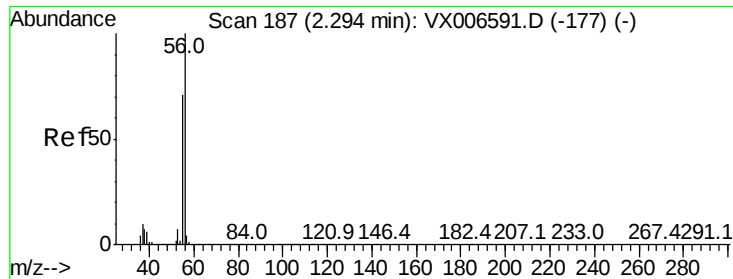


#12

1,1-Dichloroethene
 Concen: 46.951 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006662.D
 Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	121.4	182.2
98	62.7	51.9	77.9





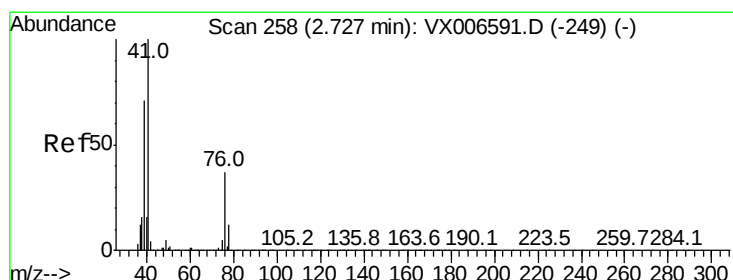
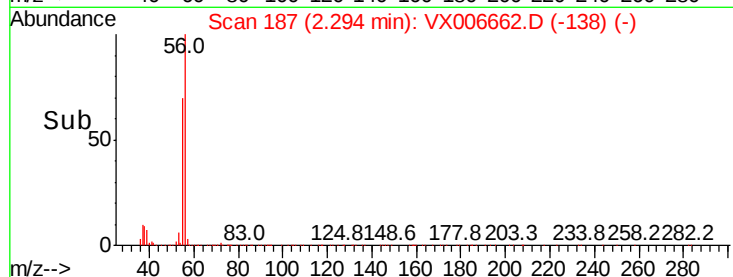
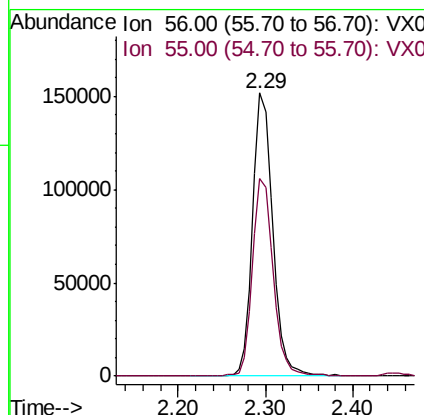
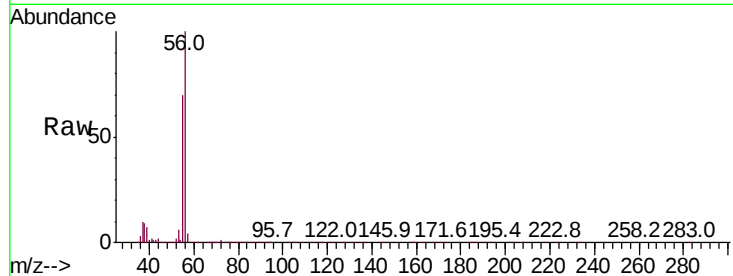
#13
Acrolein
Concen: 201.102 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 240770
Ion Ratio Lower Upper
56 100
55 71.9 58.2 87.4

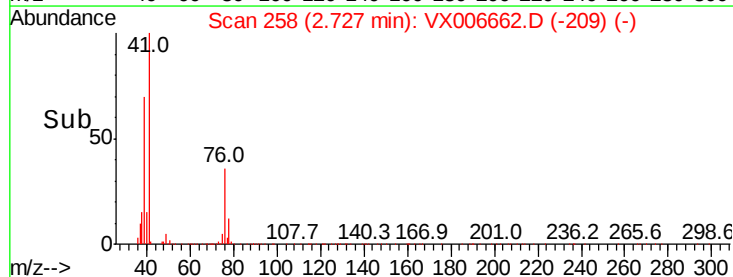
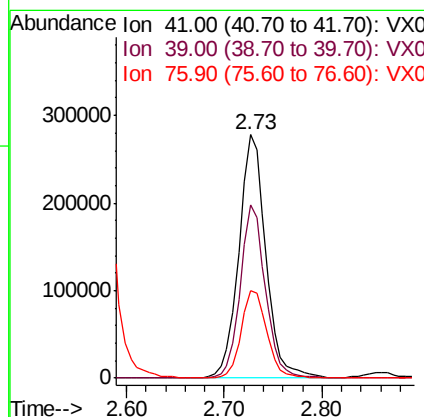
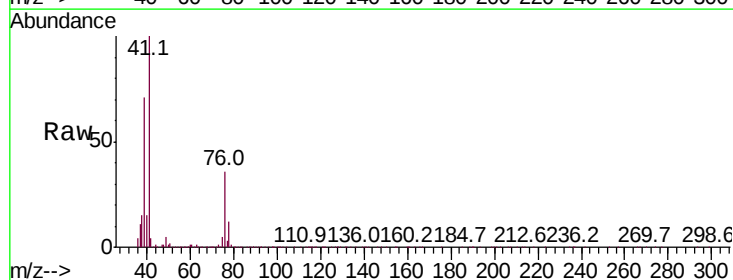
Manual Integrations
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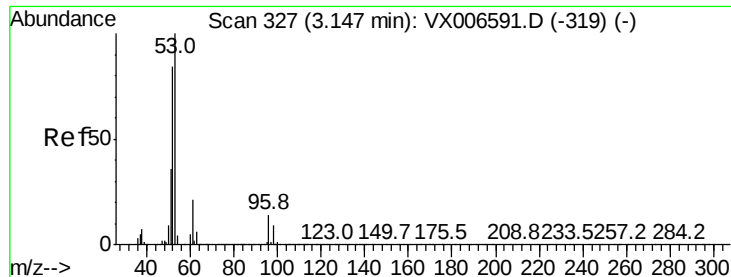
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#14
Allyl chloride
Concen: 47.941 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion: 41 Resp: 531996
Ion Ratio Lower Upper
41 100
39 66.0 53.6 80.4
76 34.0 27.4 41.2





#15

Acrylonitrile

Concen: 236.313 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

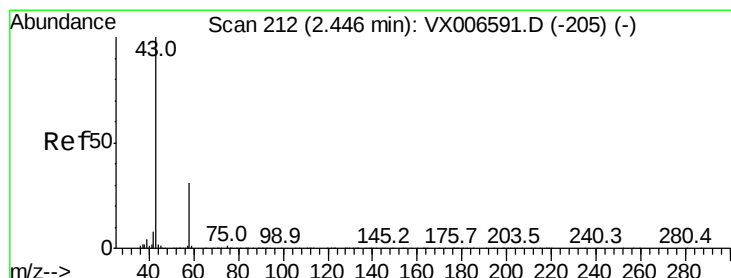
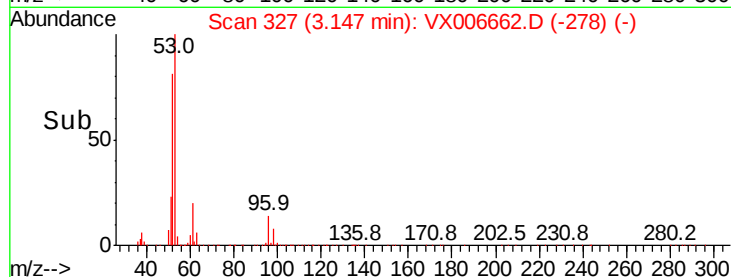
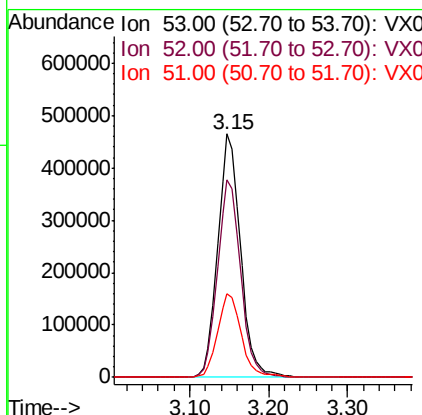
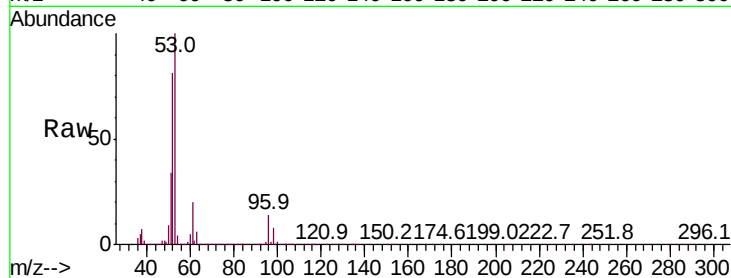
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	931191
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.0	99.0
51	35.7	28.6	42.8

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#16

Acetone

Concen: 252.266 ug/l

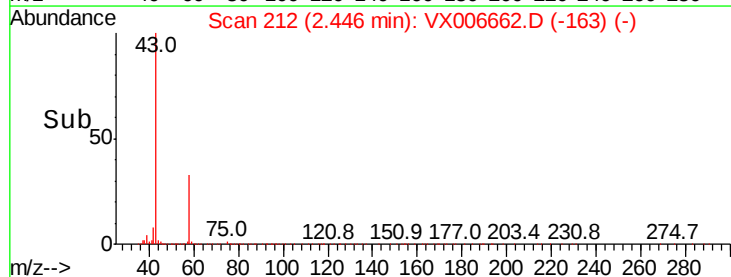
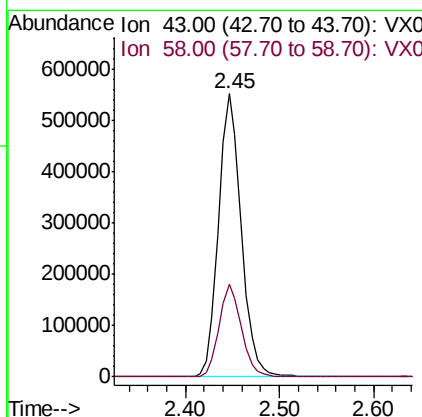
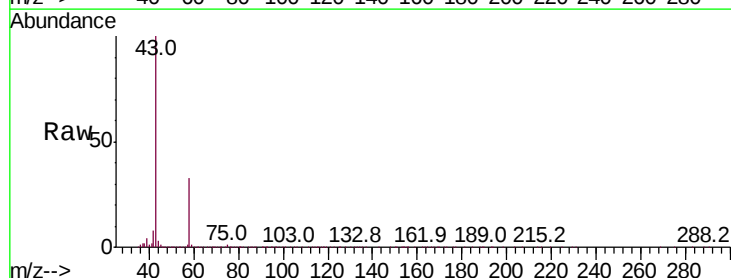
RT: 2.45 min Scan# 212

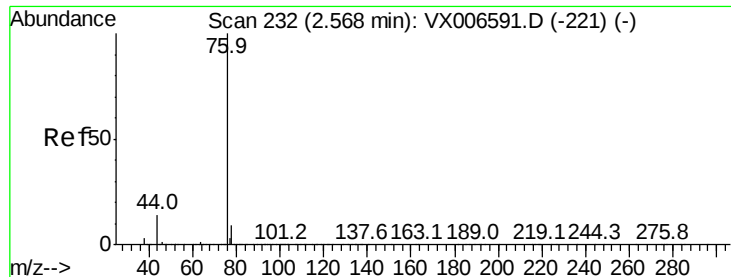
Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion:	43	Resp:	921667
Ion Ratio	Lower	Upper	
43	100		
58	32.6	25.0	37.6





#17

Carbon Disulfide

Concen: 45.397 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 792014

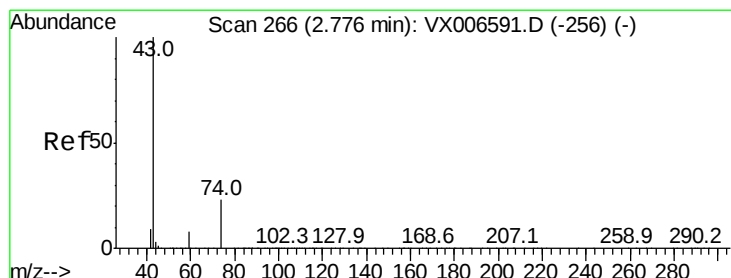
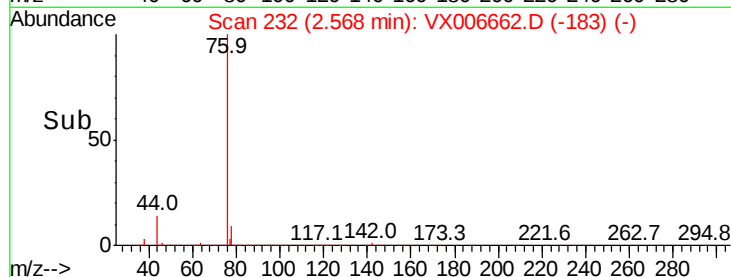
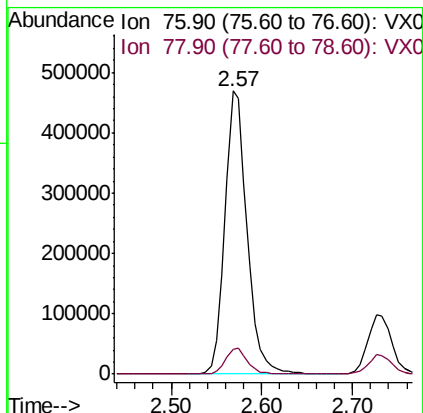
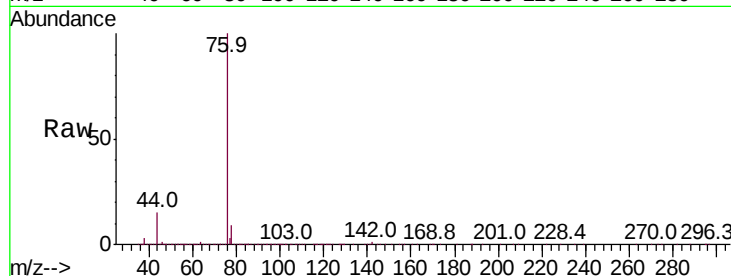
Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

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#18

Methyl Acetate

Concen: 47.692 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX006662.D

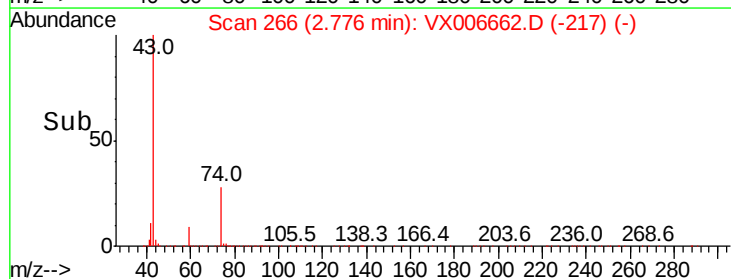
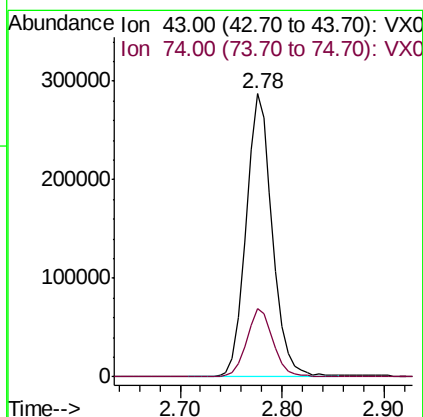
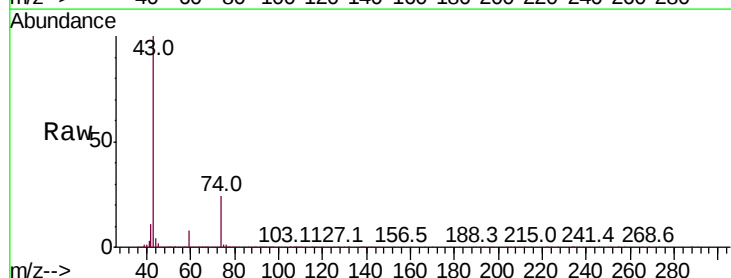
Acq: 20 Dec 2018 09:00

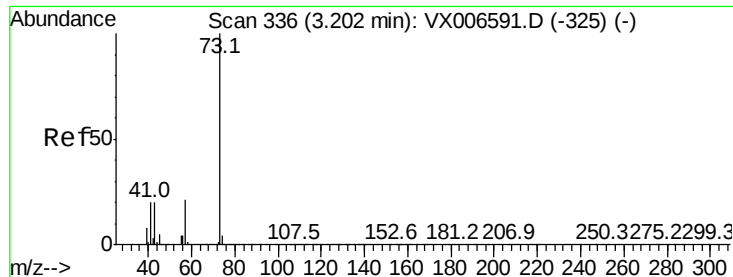
Tgt Ion: 43 Resp: 512365

Ion Ratio Lower Upper

43 100

74 24.8 18.6 28.0





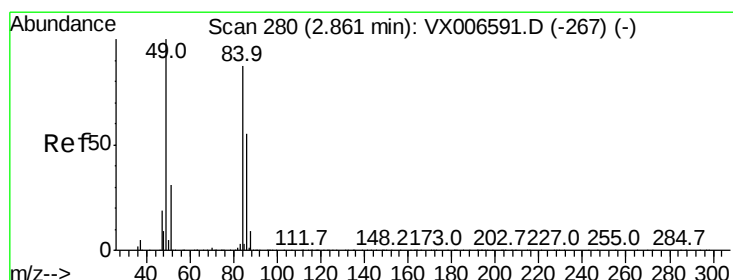
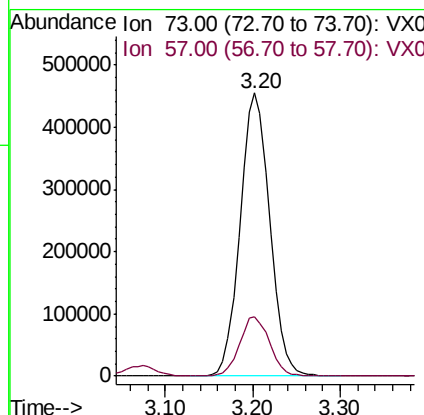
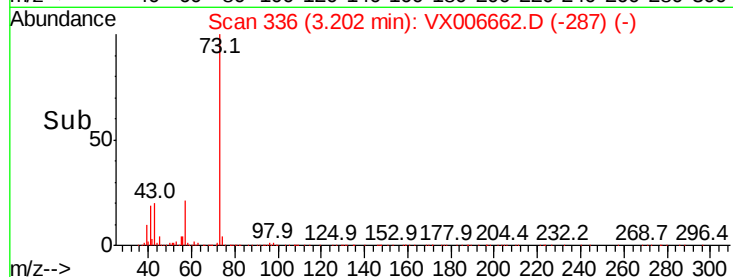
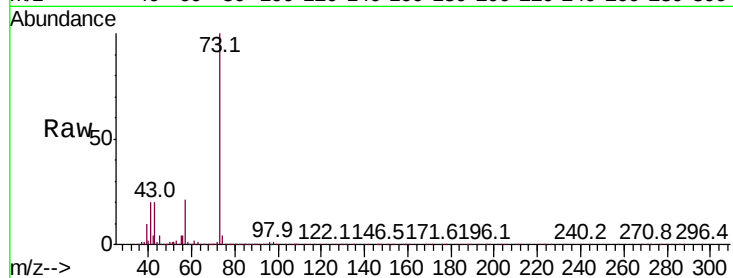
#19
Methvl tert-butvl Ether
Concen: 48.834 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1068527
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2

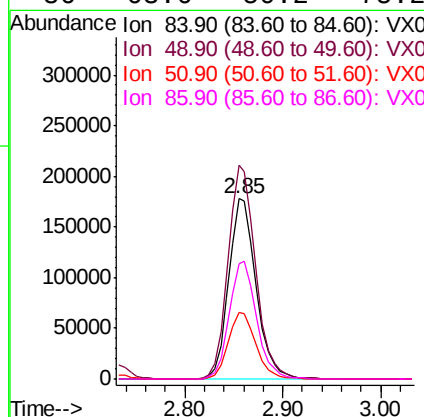
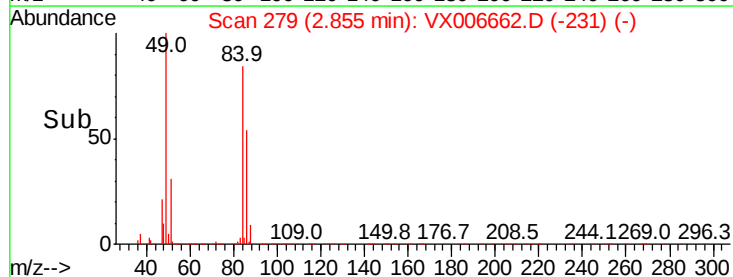
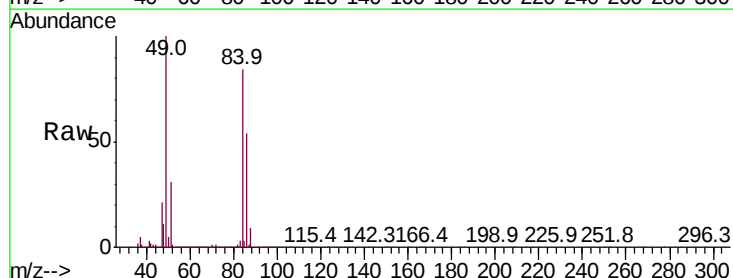
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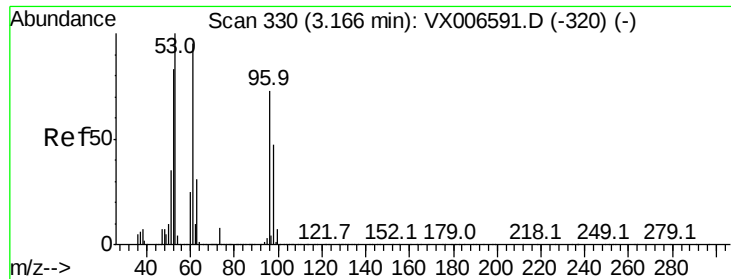
MMDadoda
12/21/2018 10:18:50 AM



#20
Methylene Chloride
Concen: 45.825 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion: 84 Resp: 346203
Ion Ratio Lower Upper
84 100
49 118.2 91.8 137.6
51 36.9 28.5 42.7
86 63.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 45.763 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 334277

Ion Ratio Lower Upper

96 100

61 128.8 103.7 155.5

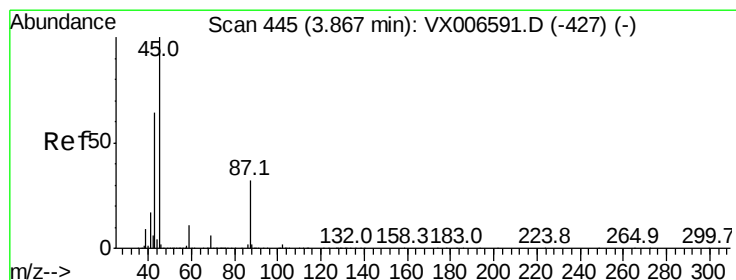
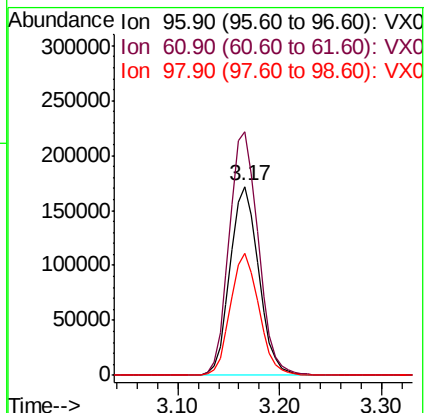
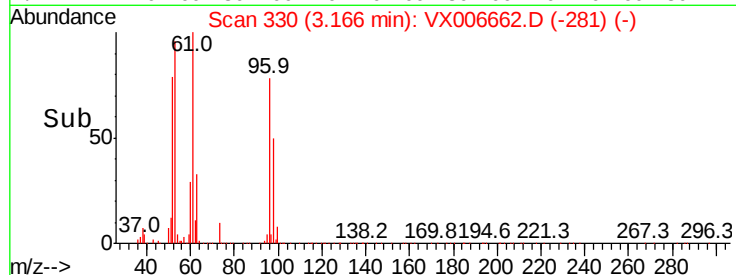
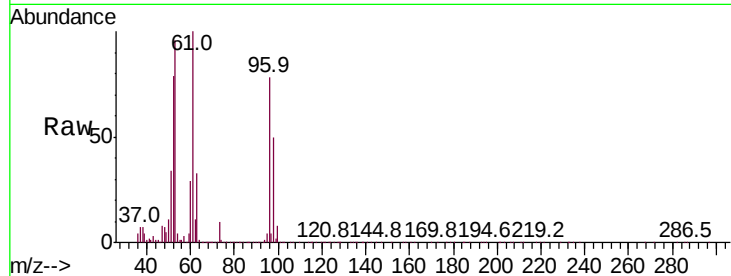
98 64.7 51.0 76.6

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#22

Diisopropyl ether

Concen: 51.112 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion: 45 Resp: 1037631

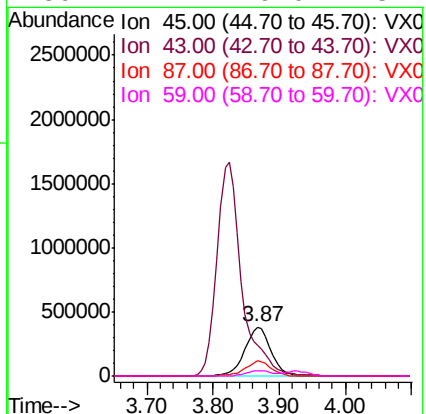
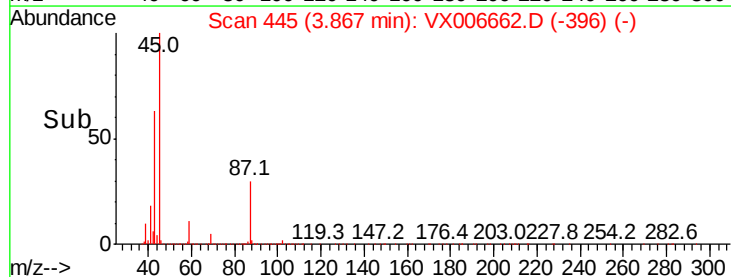
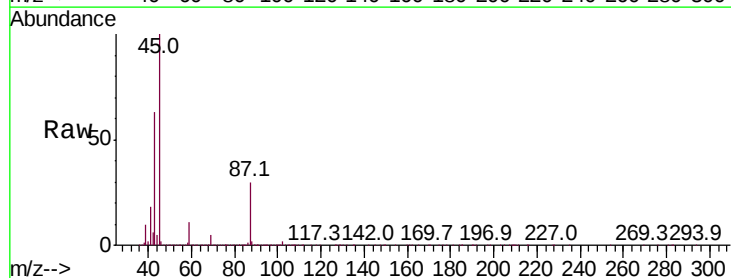
Ion Ratio Lower Upper

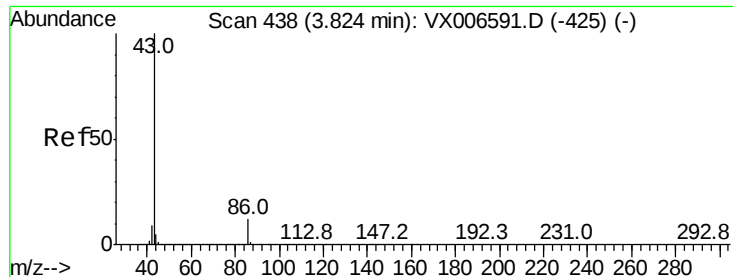
45 100

43 62.5 51.2 76.8

87 30.2 25.8 38.6

59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 262.498 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 4358933

Ion Ratio Lower Upper

43 100

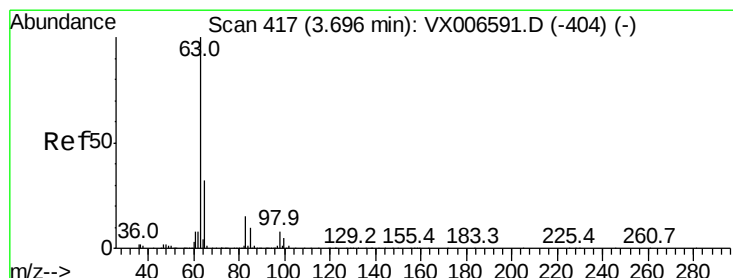
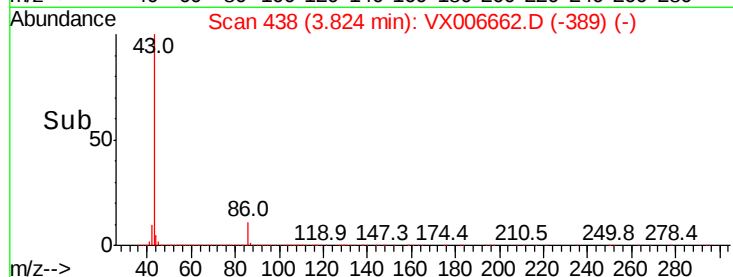
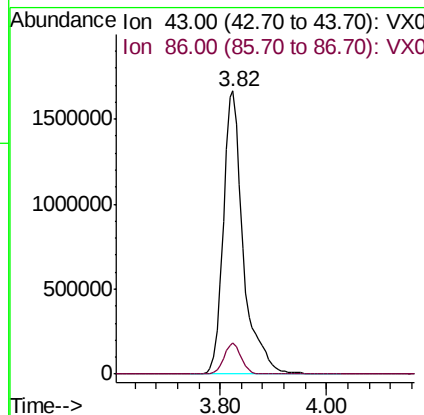
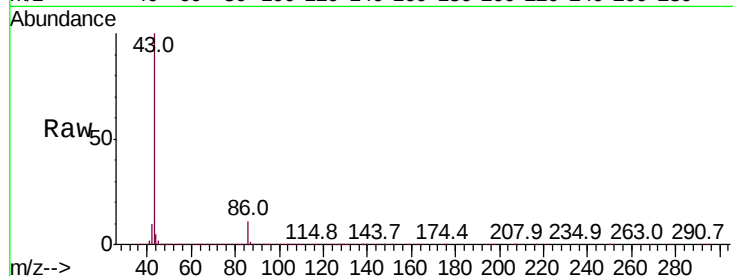
86 11.2 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 48.449 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

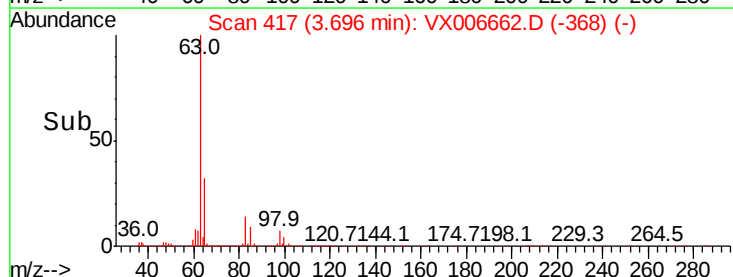
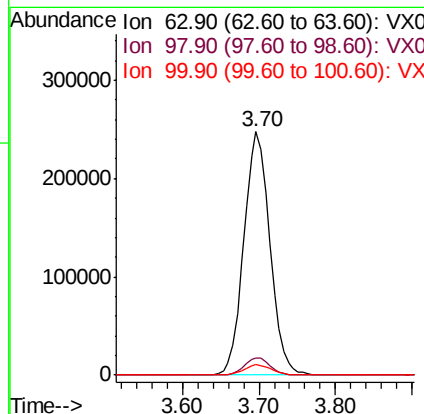
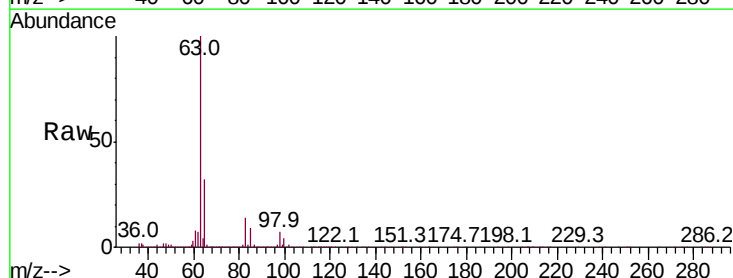
Tgt Ion: 63 Resp: 587139

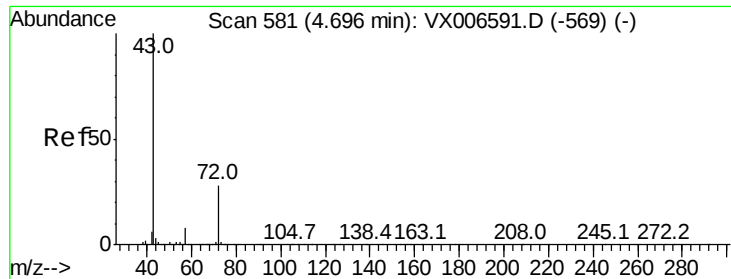
Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 244.325 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1255633

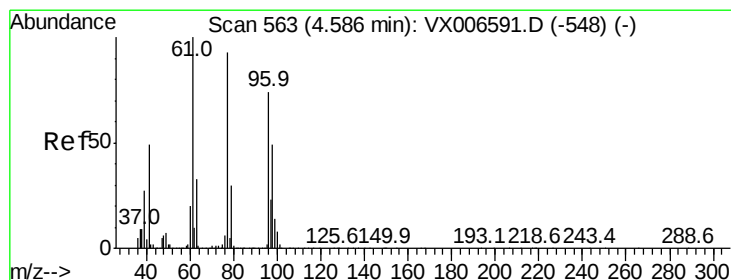
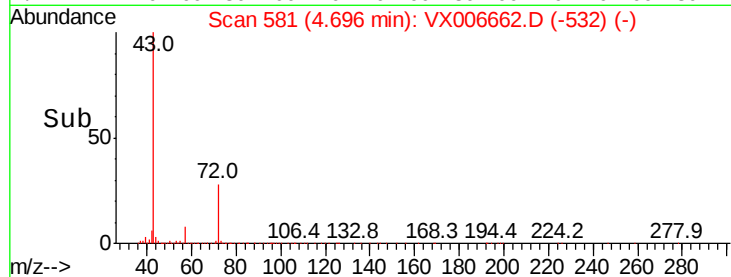
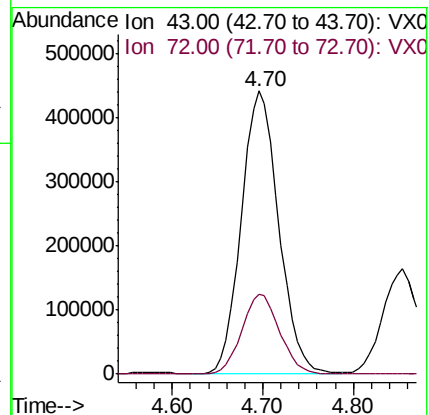
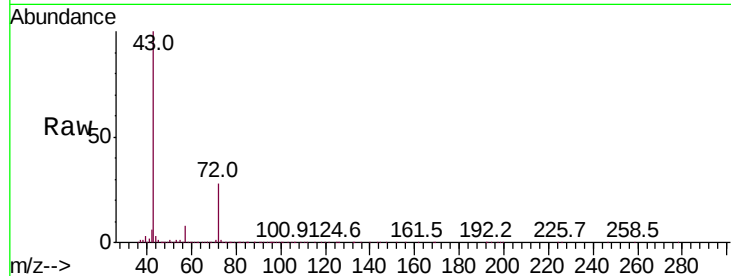
Ion Ratio Lower Upper

43 100

72 28.2 22.4 33.6

Manual Integrations
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MMDadoda
12/21/2018 10:18:50 AM



#26

2,2-Dichloropropane

Concen: 49.223 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006662.D

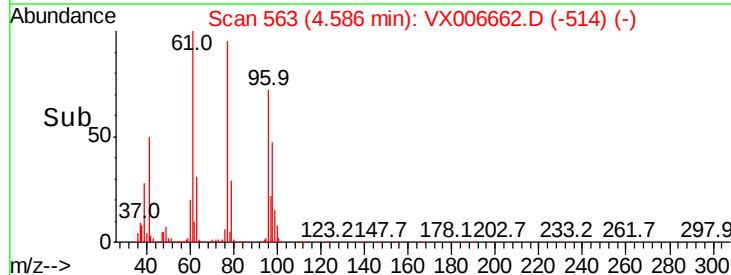
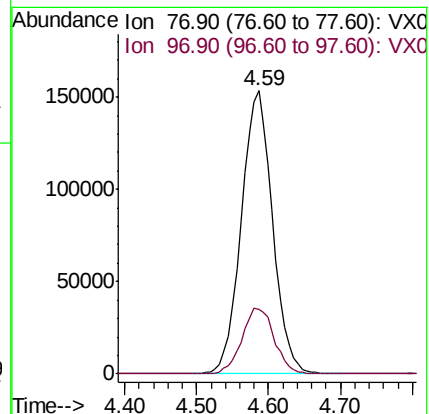
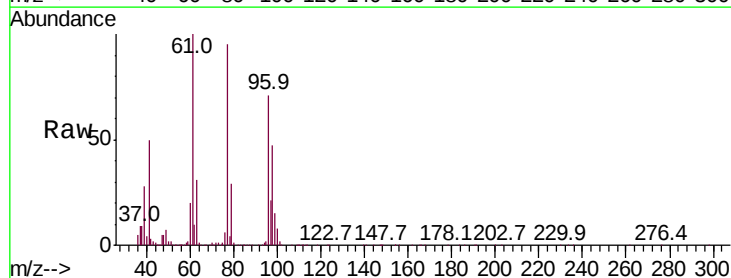
Acq: 20 Dec 2018 09:00

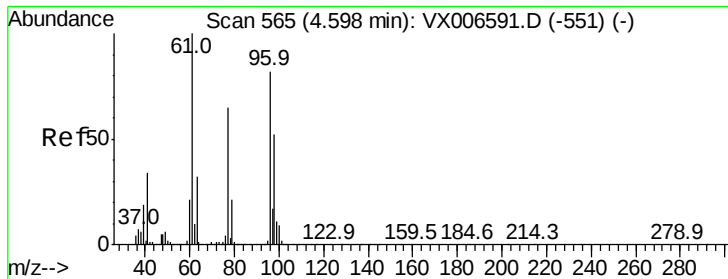
Tgt Ion: 77 Resp: 460792

Ion Ratio Lower Upper

77 100

97 24.2 12.4 37.4





#27

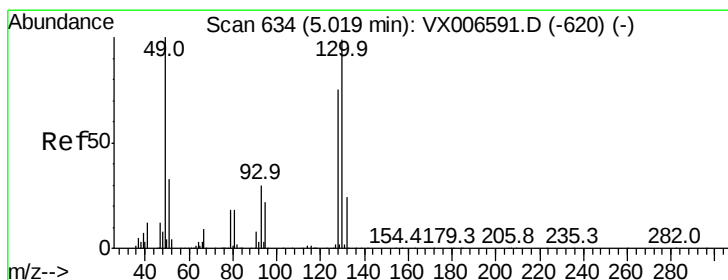
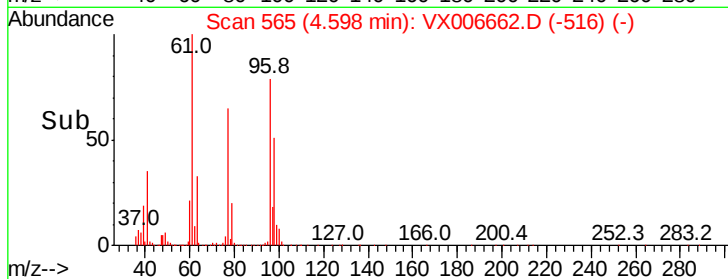
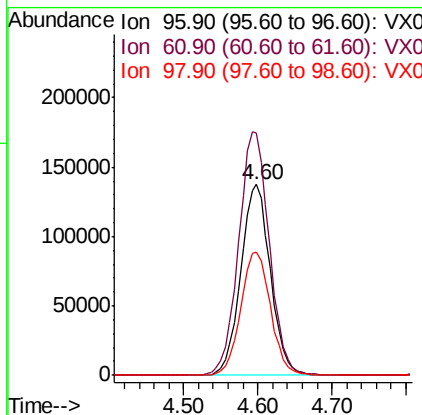
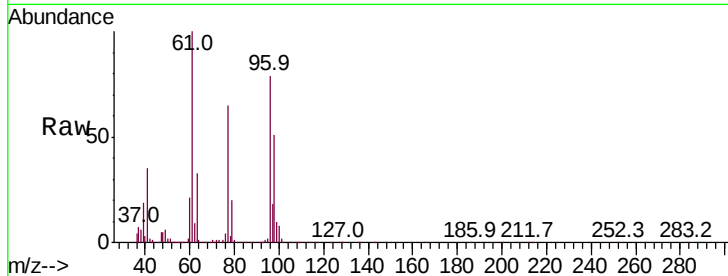
cis-1,2-Dichloroethene
 Concen: 47.408 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006662.D
 Acq: 20 Dec 2018 09:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	382076		
61	132.9	0.0	258.6	
98	65.6	0.0	132.0	

Manual Integrations
 APPROVED

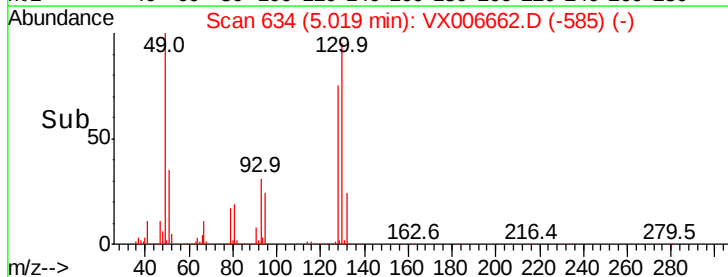
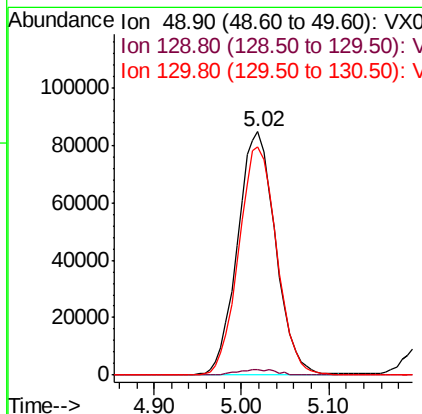
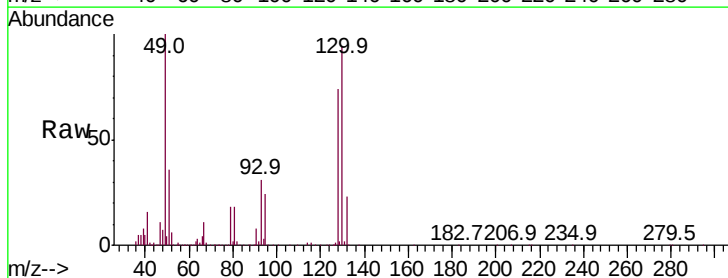
MMDadoda
 12/21/2018 10:18:50 AM

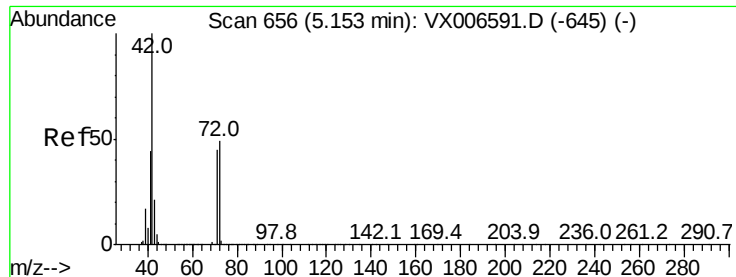


#28

Bromochloromethane
 Concen: 49.841 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006662.D
 Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	254646		
129	2.4	0.0	5.4	
130	94.0	77.7	116.5	





#29

Tetrahydrofuran

Concen: 236.080 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

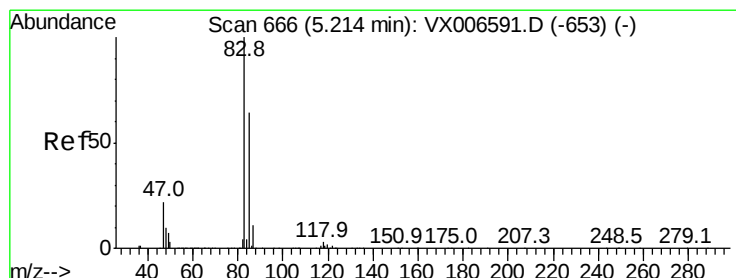
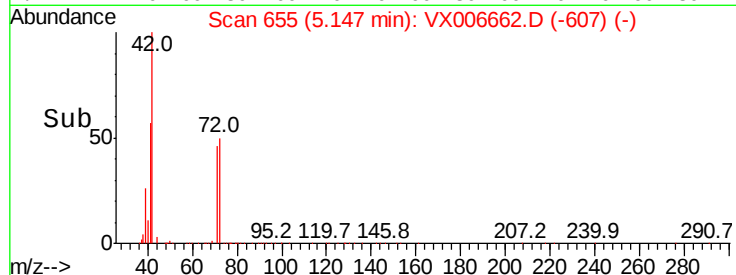
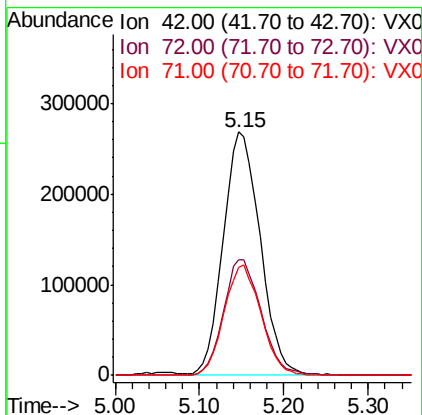
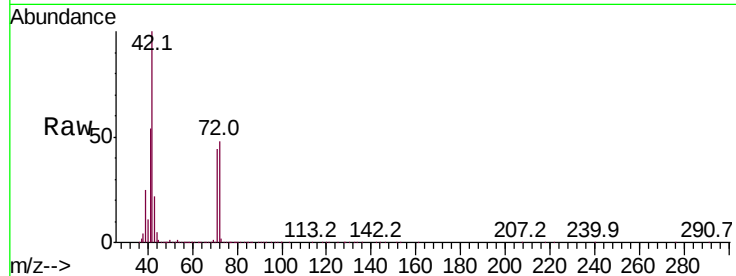
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	799090
Ion Ratio		Lower	Upper
42	100		
72	48.6	38.9	58.3
71	45.3	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 48.590 ug/l

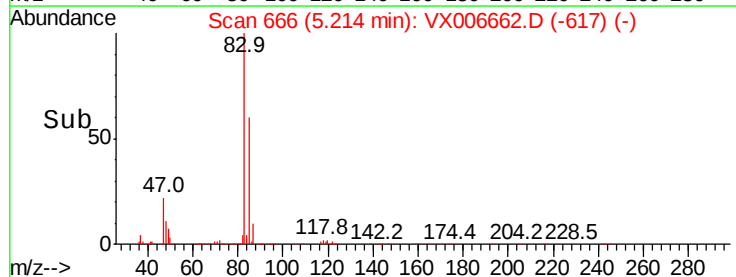
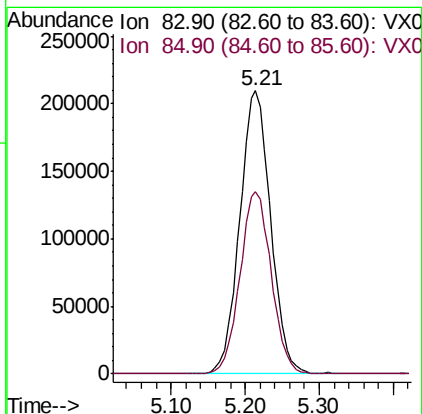
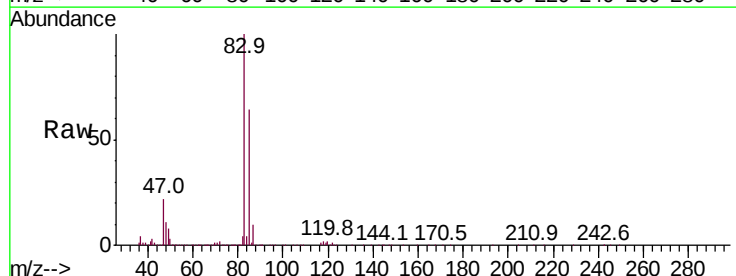
RT: 5.21 min Scan# 666

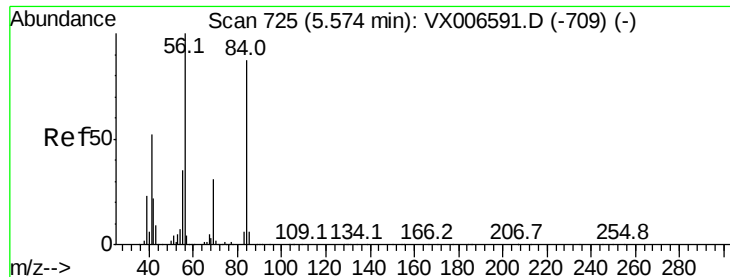
Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion:	83	Resp:	609790
Ion Ratio		Lower	Upper
83	100		
85	64.4	51.2	76.8





#31

Cyclohexane

Concen: 48.570 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

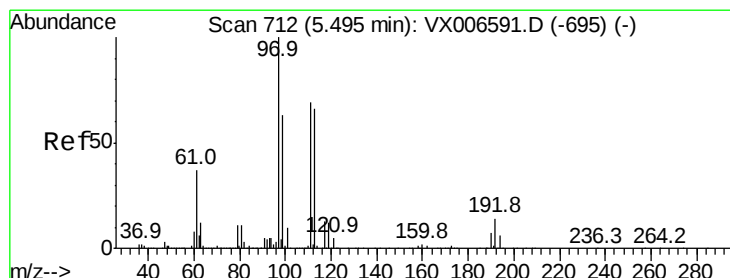
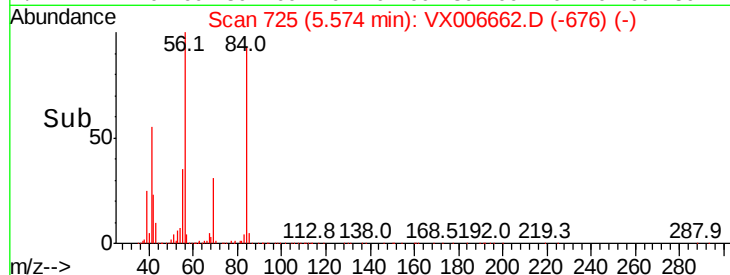
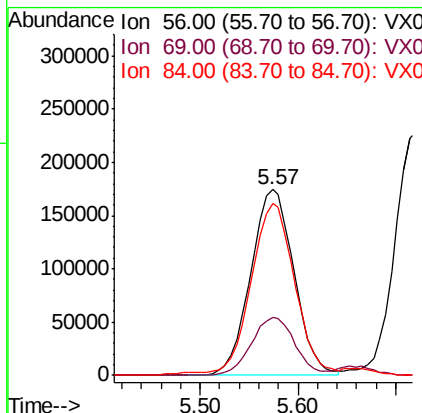
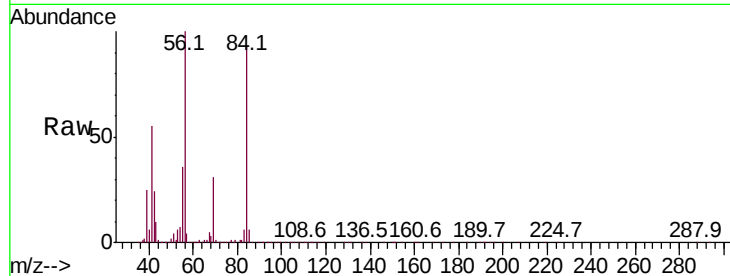
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	534736
Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	91.2	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.591 ug/l

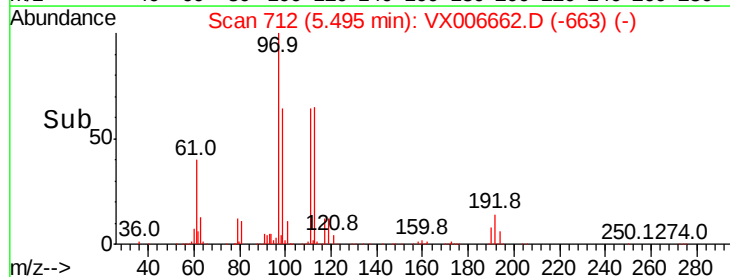
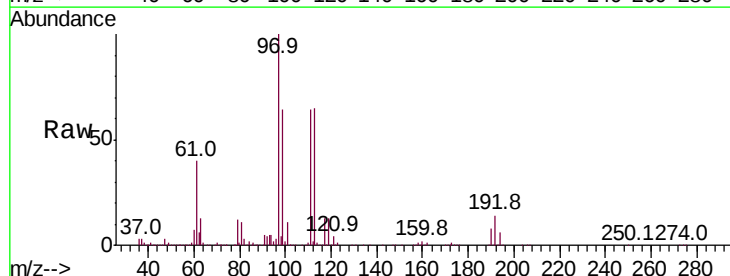
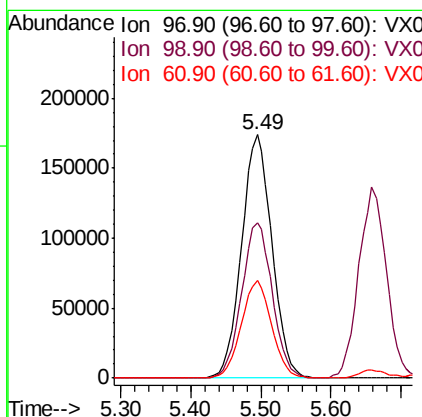
RT: 5.49 min Scan# 712

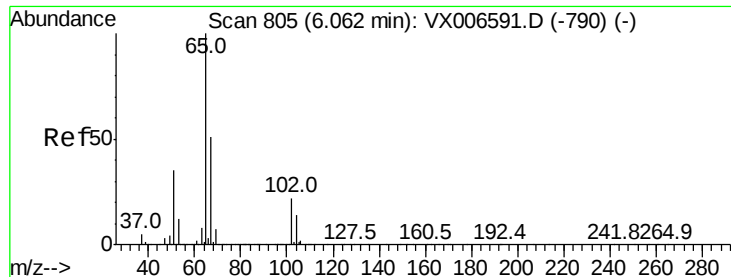
Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion:	97	Resp:	525504
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	39.5	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 46.355 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 368630

Ion Ratio Lower Upper

65 100

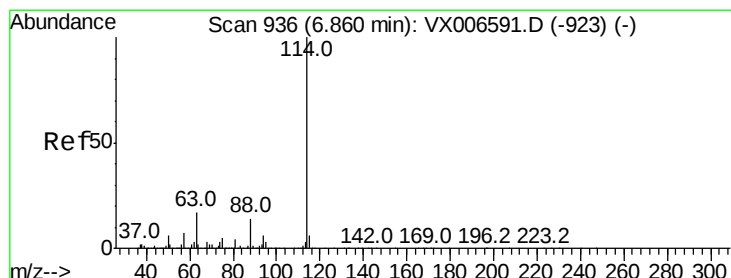
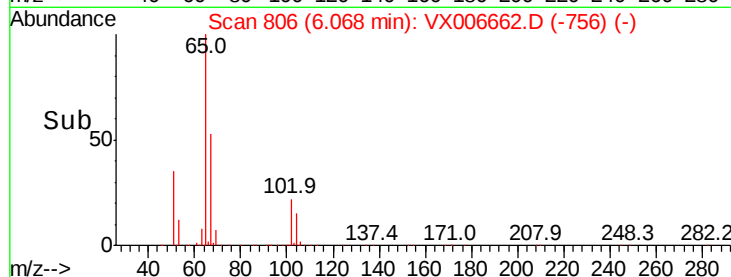
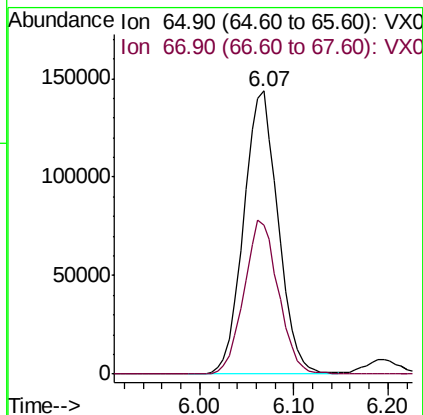
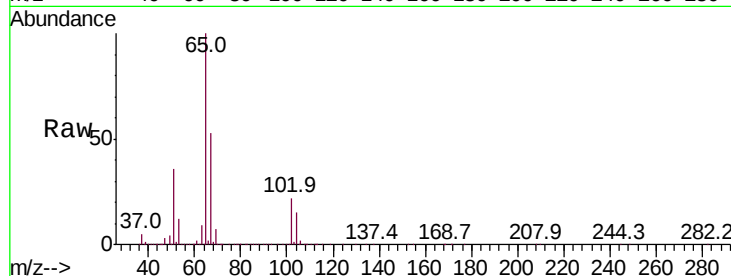
67 53.9 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

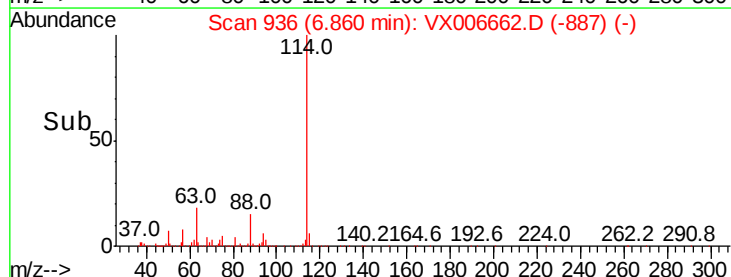
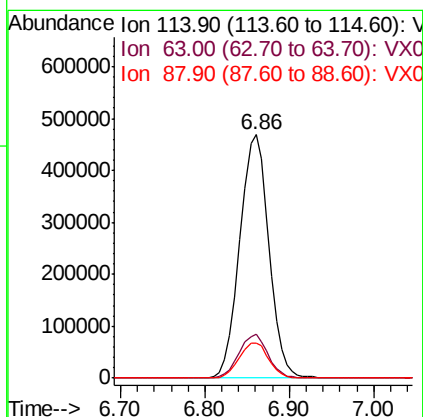
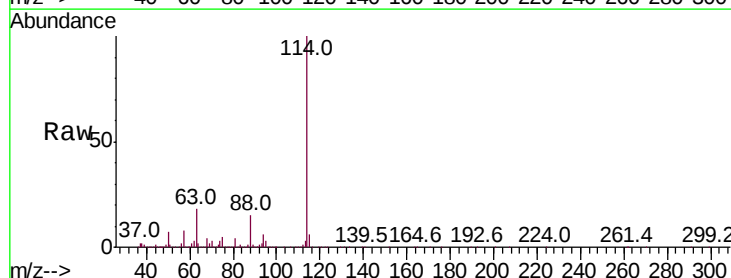
Tgt Ion:114 Resp: 1095979

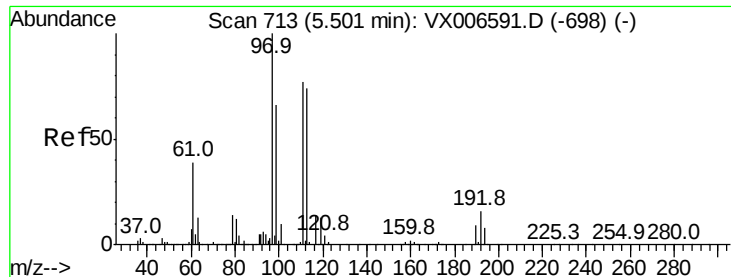
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 14.6 0.0 28.8





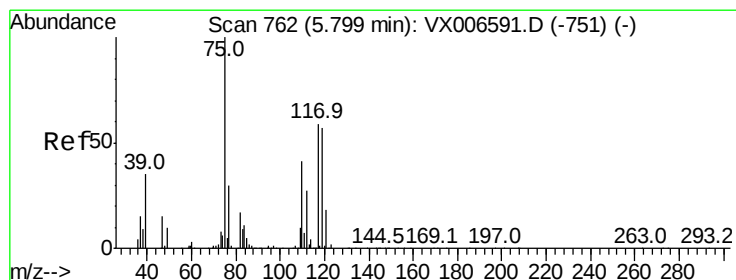
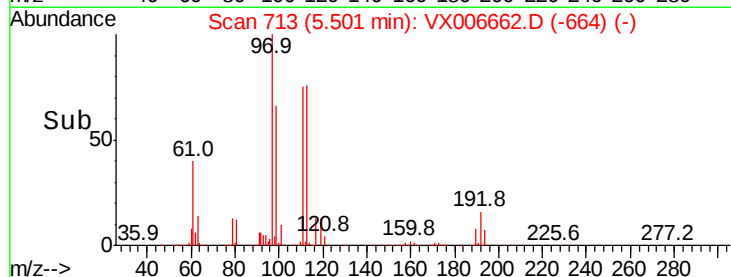
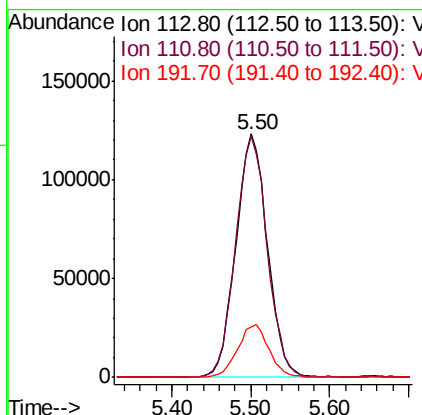
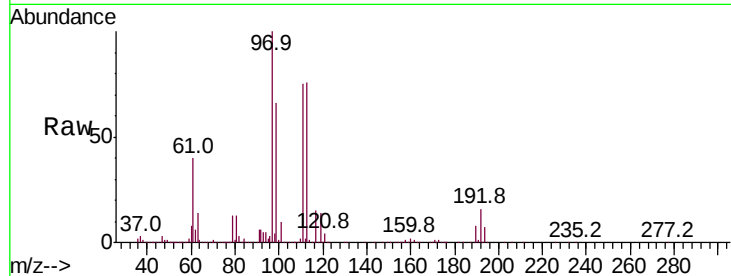
#35
Dibromofluoromethane
Concen: 49.433 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	342606		
111	99.4	81.6	122.4	
192	21.4	16.7	25.1	

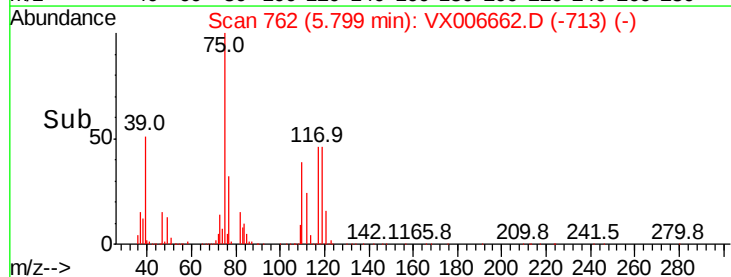
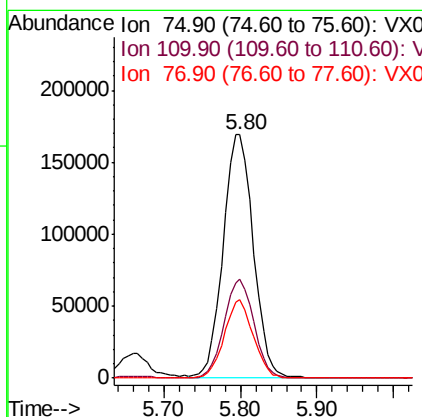
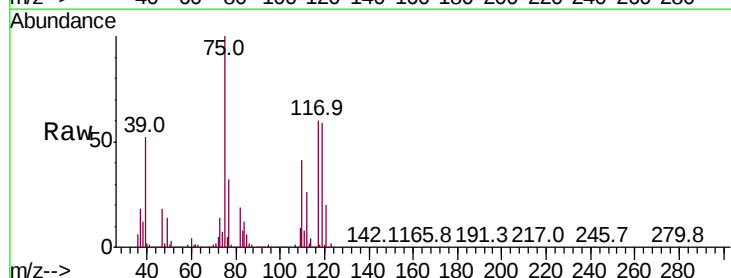
Manual Integrations
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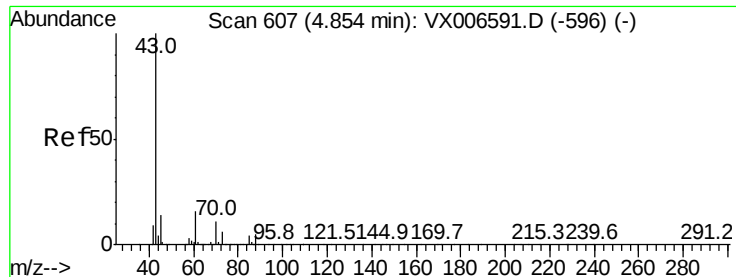
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.702 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	460237		
110	40.1	20.2	60.5	
77	30.8	24.8	37.2	





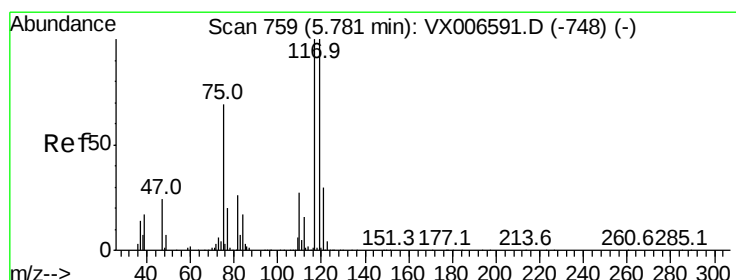
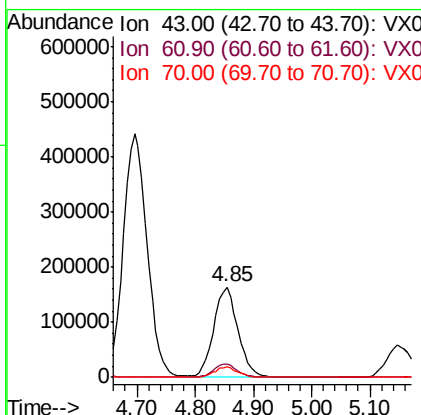
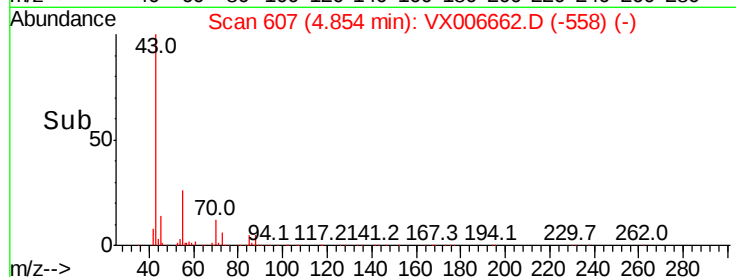
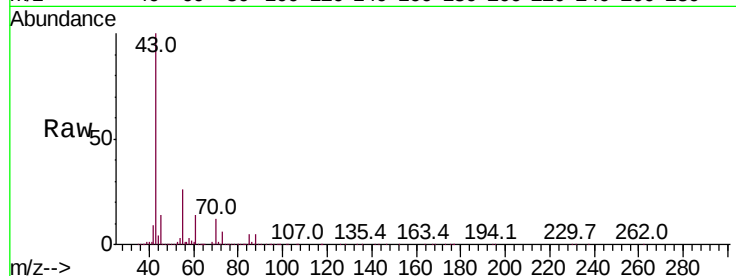
#37
Ethyl Acetate
Concen: 49.836 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.9	17.9
70	11.2	9.7	14.5

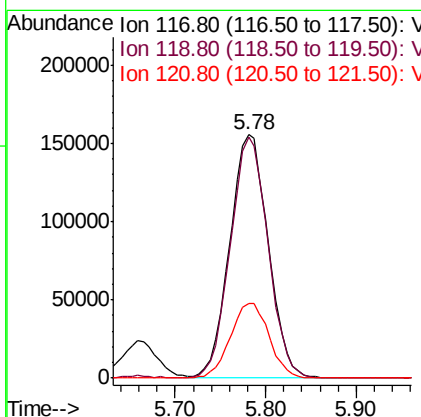
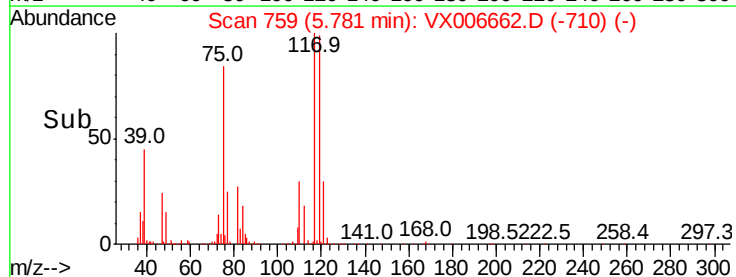
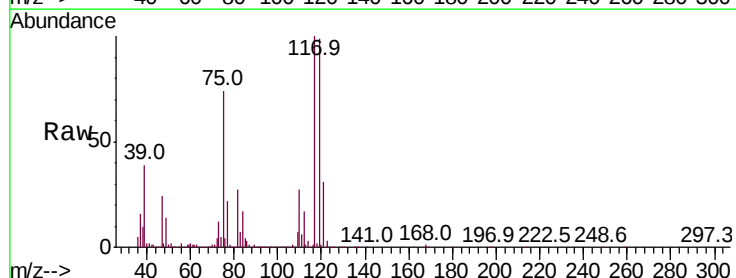
Manual Integrations
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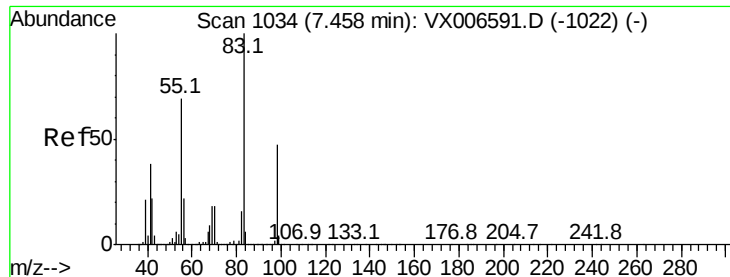
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.782 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	79.4	119.2
121	30.8	24.0	36.0





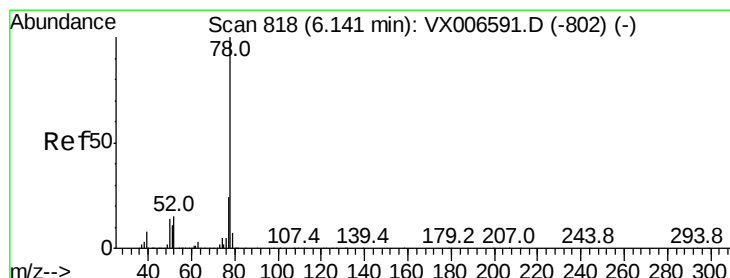
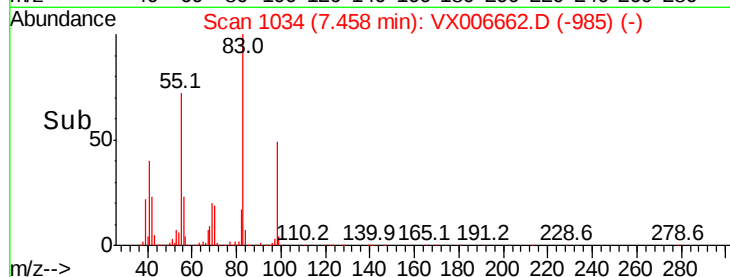
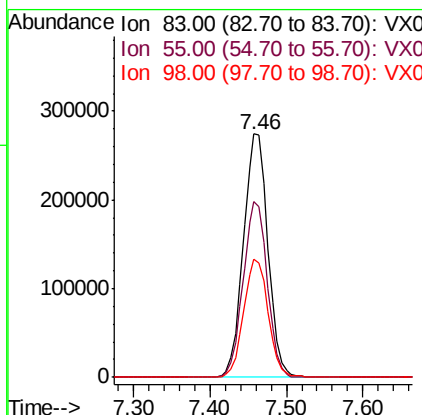
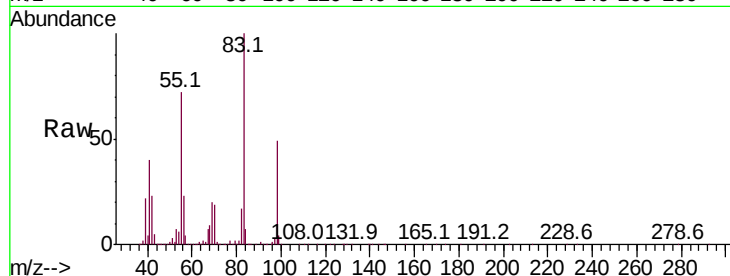
#39
Methvlcvclohexane
Concen: 51.070 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	54.9	82.3
98	48.7	37.9	56.9

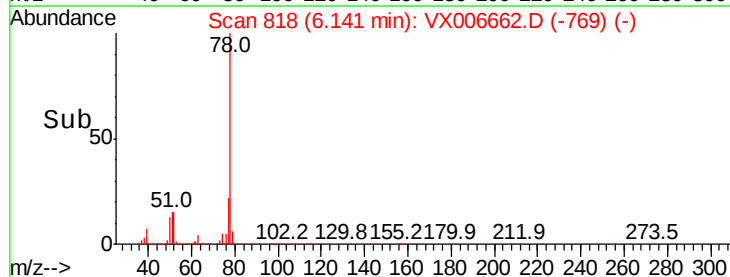
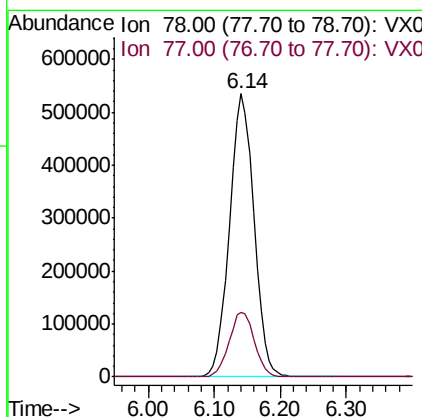
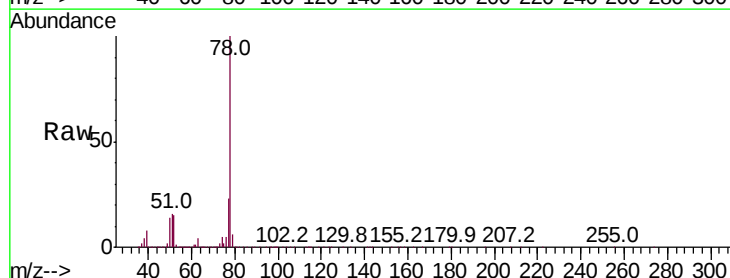
Manual Integrations
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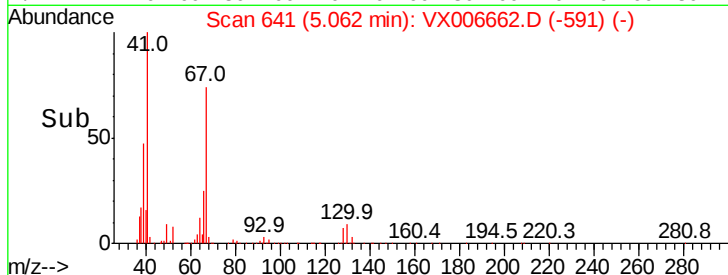
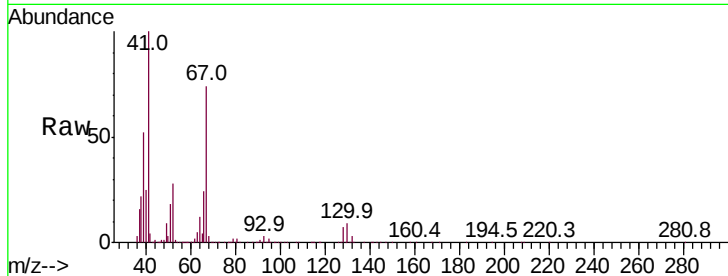
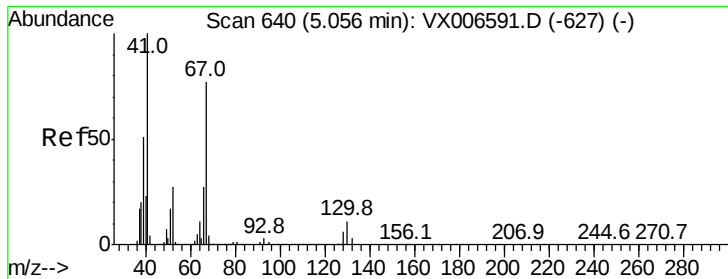
MMDadoda
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#40
Benzene
Concen: 49.805 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.2	28.8





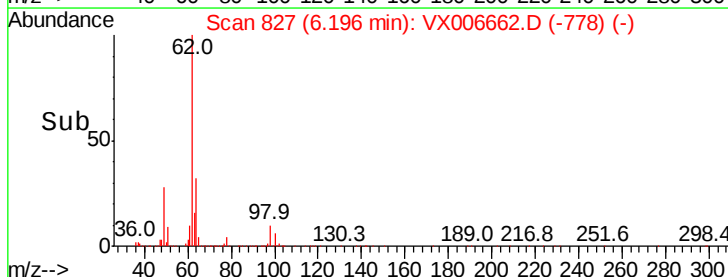
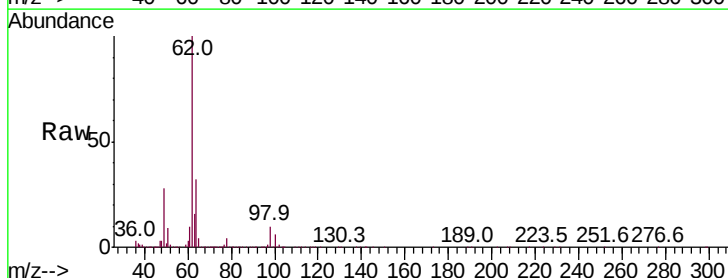
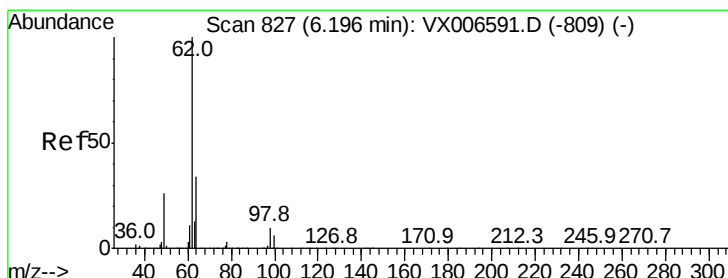
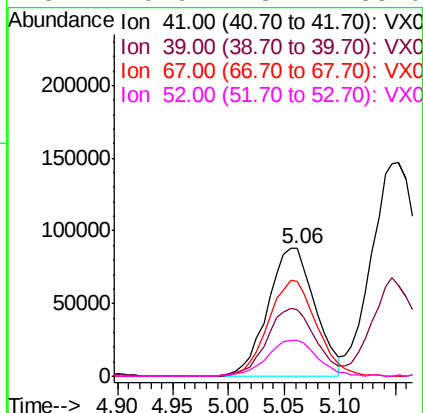
#41
Methacrylonitrile
Concen: 51.681 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		259232		
39	54.5	42.8	64.2		
67	77.1	62.1	93.1		
52	29.9	23.4	35.0		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

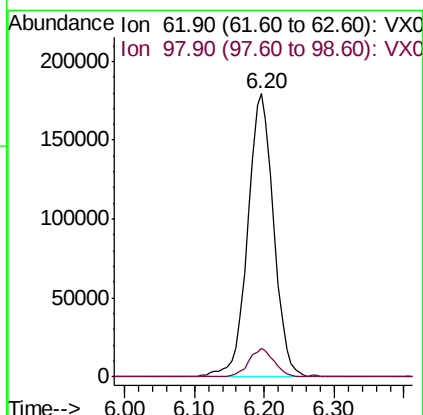
Manual Integrations
APPROVED

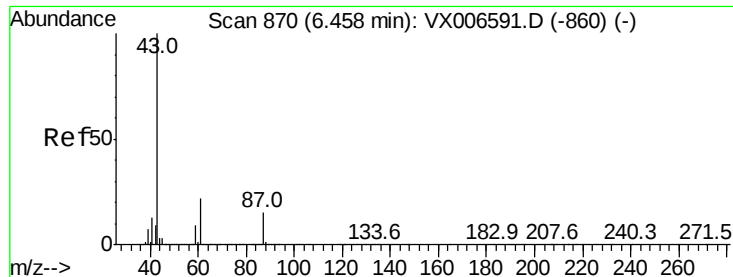
MMDadoda
12/21/2018 10:18:50 AM



#42
1,2-Dichloroethane
Concen: 49.020 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		460891		
98	9.7	0.0	20.2		





#43

Isopropyl Acetate

Concen: 52.815 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

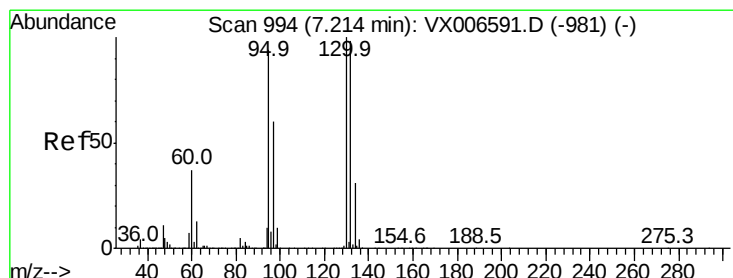
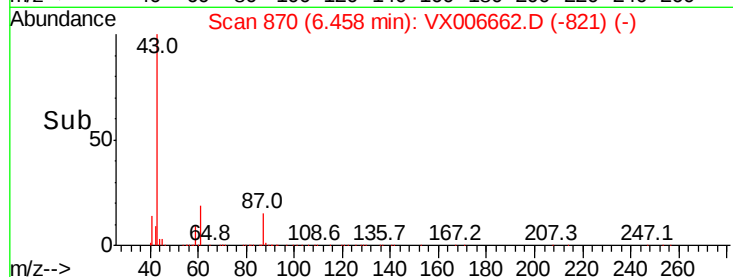
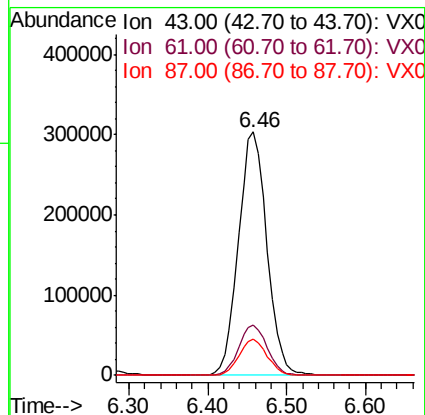
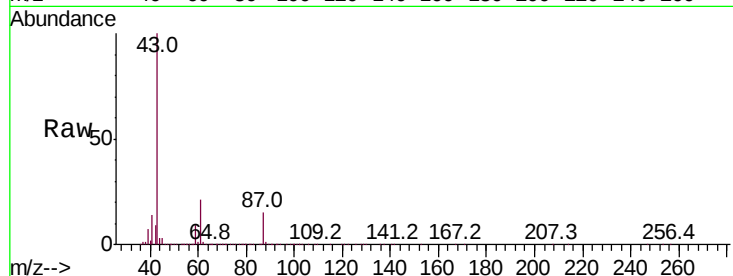
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	759229
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.8	25.2
87	14.8	12.4	18.6

Manual Integrations
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#44

Trichloroethene

Concen: 49.462 ug/l

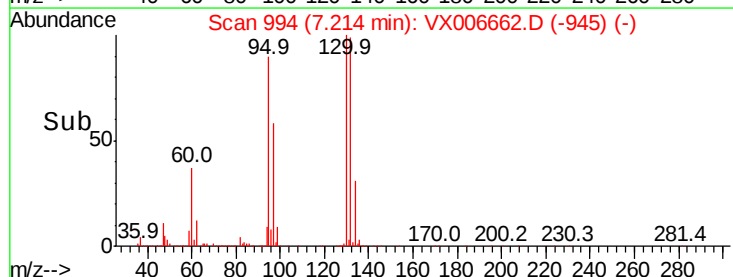
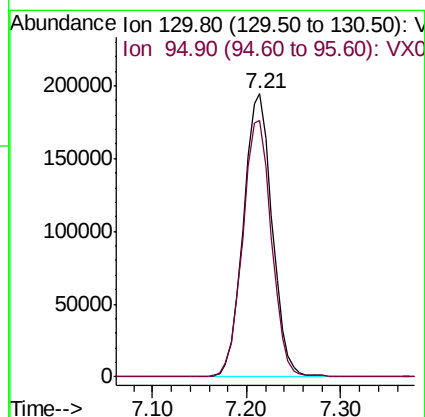
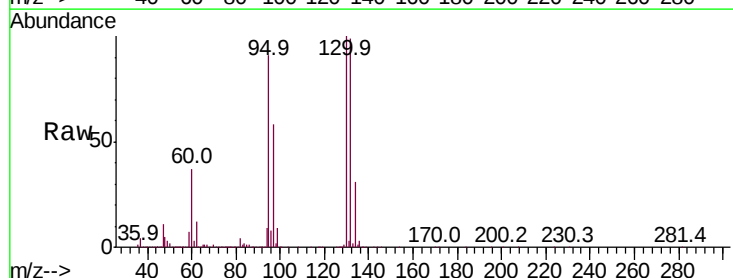
RT: 7.21 min Scan# 994

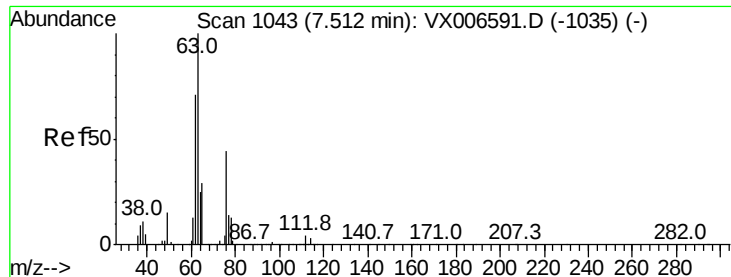
Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion:	130	Resp:	413066
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	187.0





#45

1,2-Dichloropropane

Concen: 50.964 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 342198

Ion Ratio Lower Upper

63 100

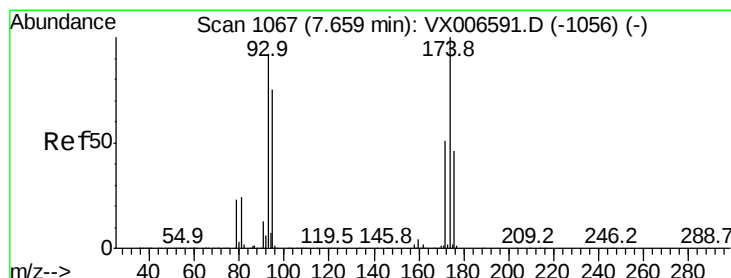
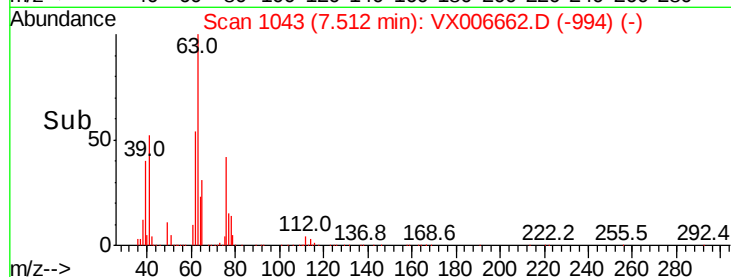
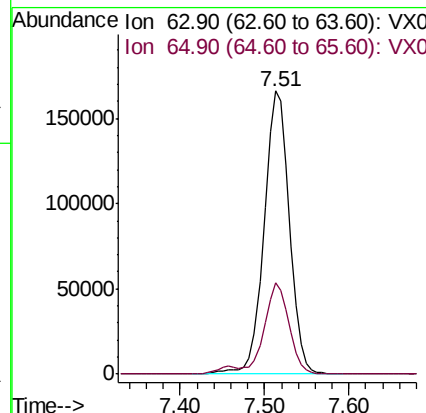
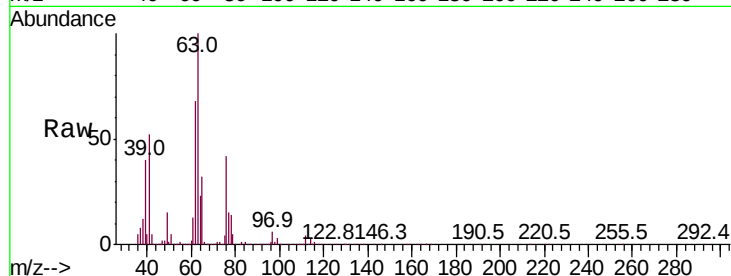
65 32.3 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.347 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

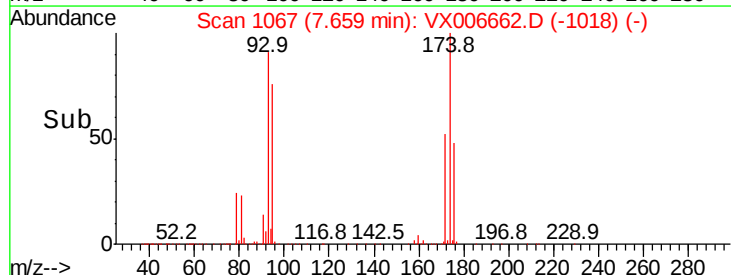
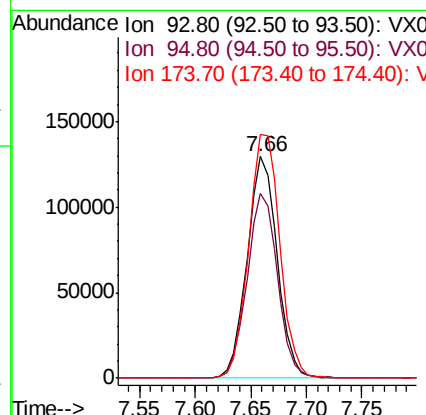
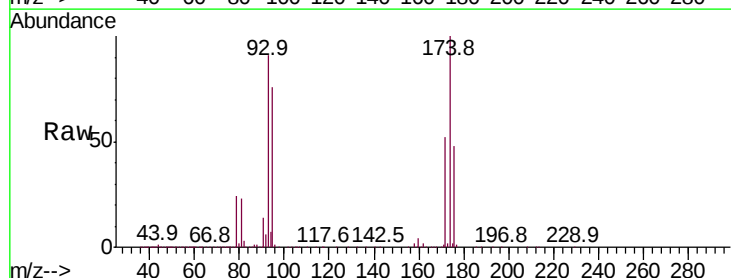
Tgt Ion: 93 Resp: 243717

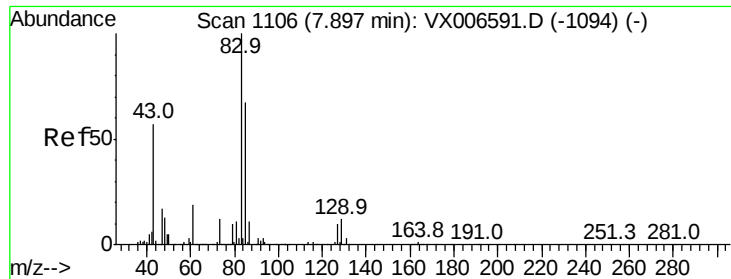
Ion Ratio Lower Upper

93 100

95 84.4 66.2 99.4

174 114.9 91.0 136.4





#47

Bromodichloromethane

Concen: 52.923 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

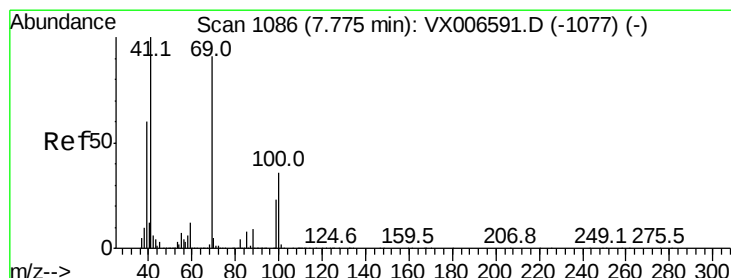
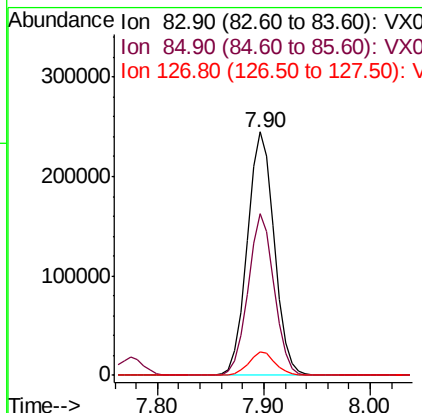
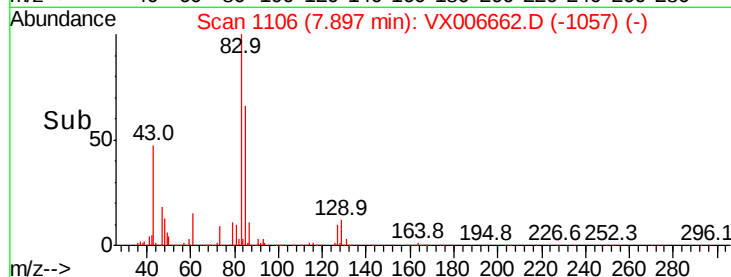
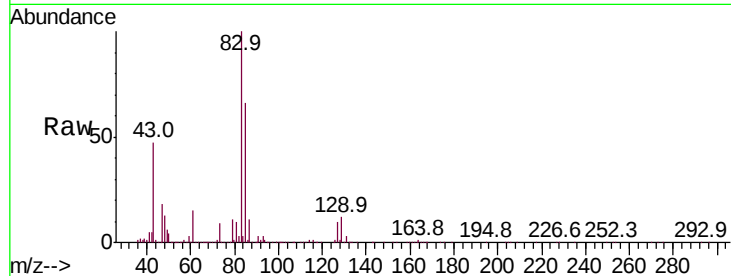
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	433945
Ion Ratio	Lower	Upper	
83	100		
85	66.3	53.2	79.8
127	9.8	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.460 ug/l

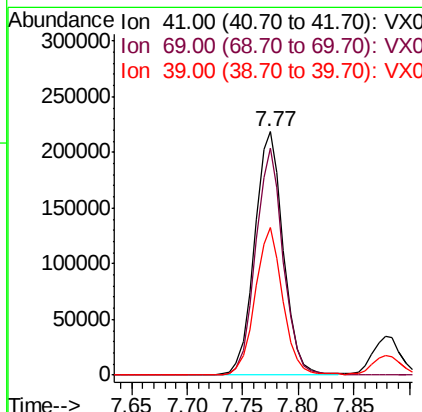
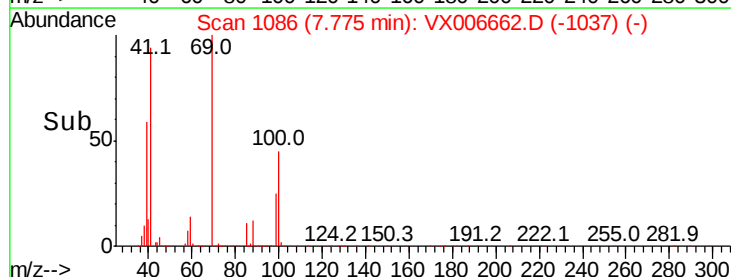
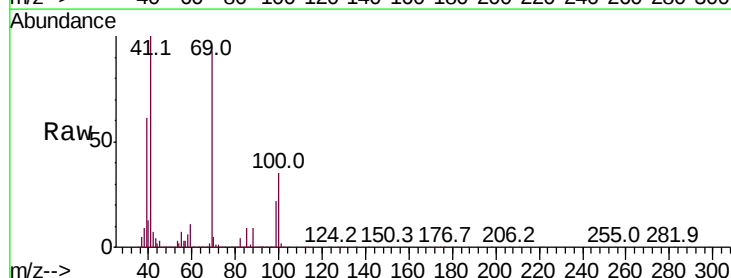
RT: 7.77 min Scan# 1086

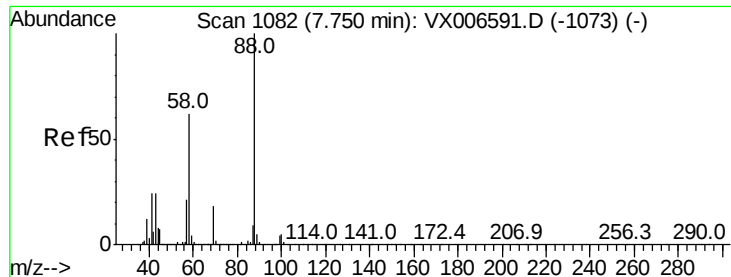
Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion:	41	Resp:	390805
Ion Ratio	Lower	Upper	
41	100		
69	90.1	72.4	108.6
39	58.4	45.8	68.8





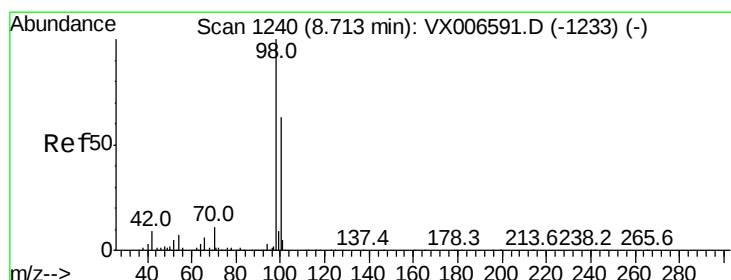
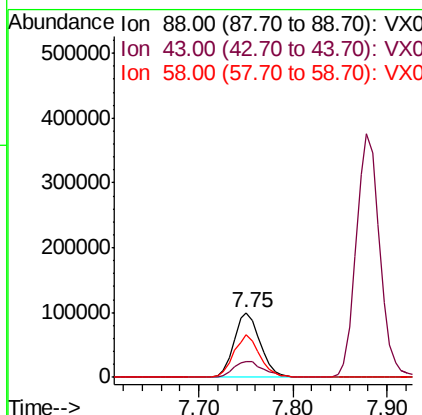
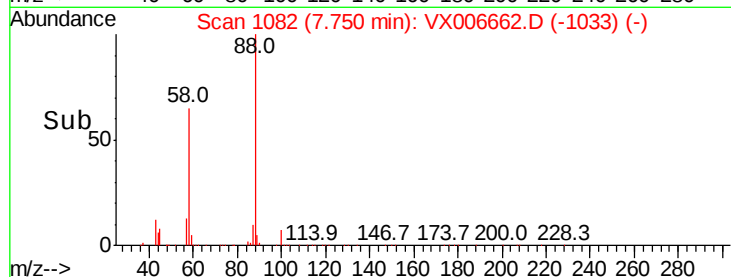
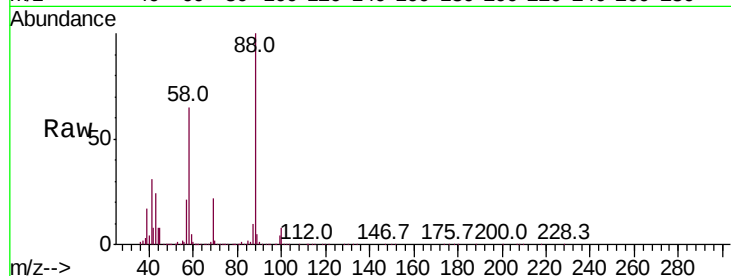
#49
1,4-Dioxane
Concen: 1010.459 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	22.2	33.4
58	64.4	51.0	76.4

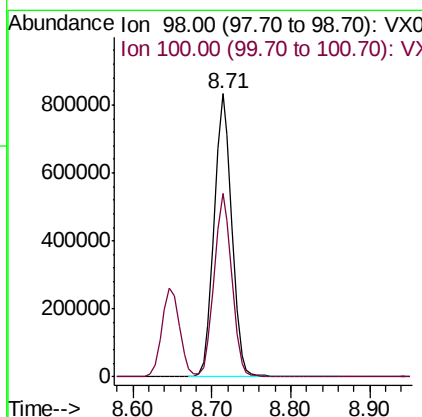
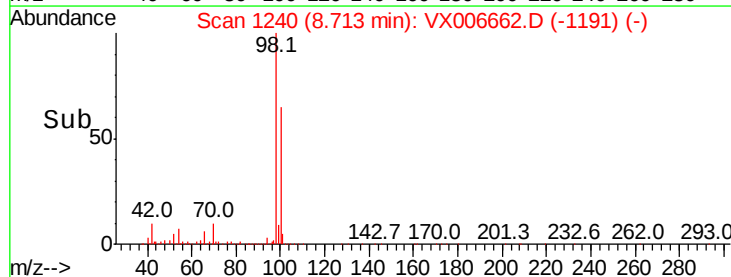
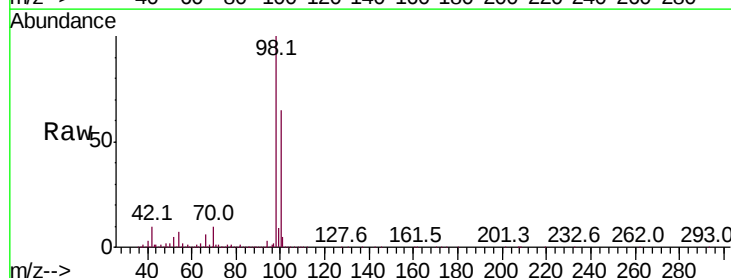
Manual Integrations
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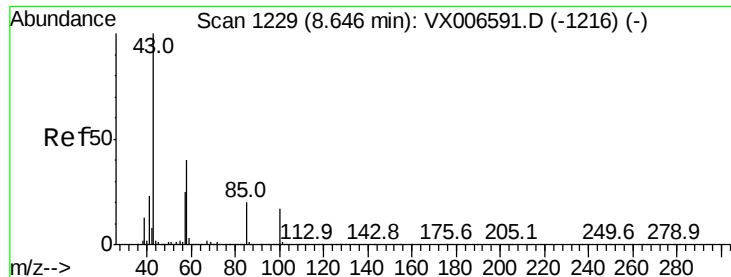
MMDadoda
12/21/2018 10:18:50 AM



#50
Toluene-d8
Concen: 49.835 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 262.678 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2402581

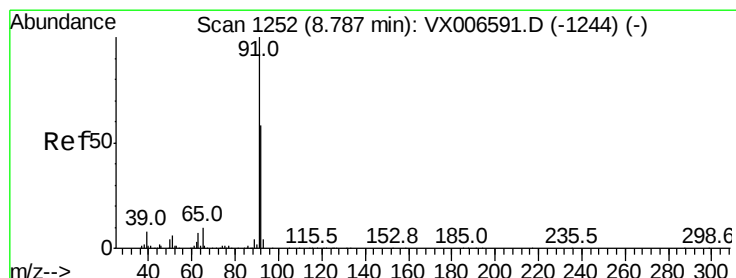
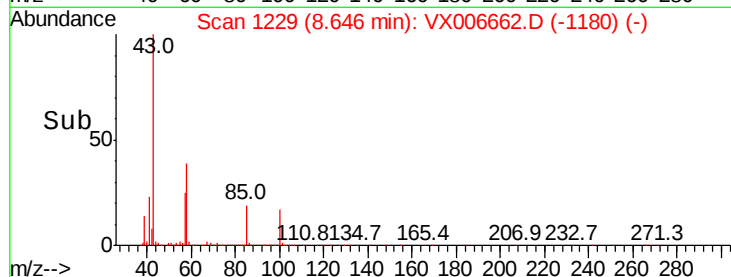
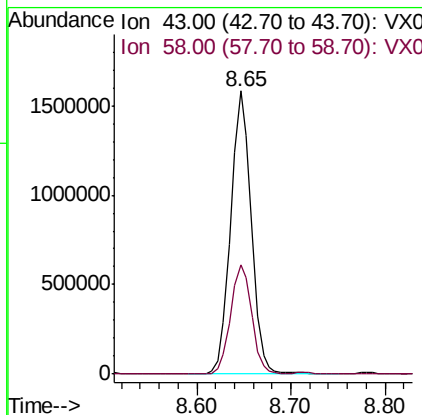
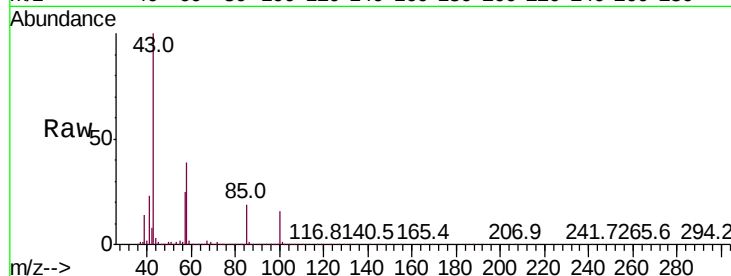
Ion Ratio Lower Upper

43 100

58 39.5 31.8 47.6

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#52

Toluene

Concen: 51.824 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006662.D

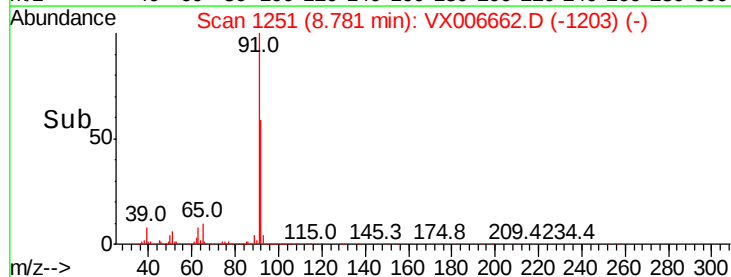
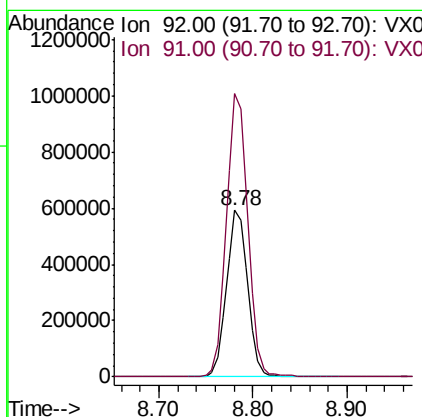
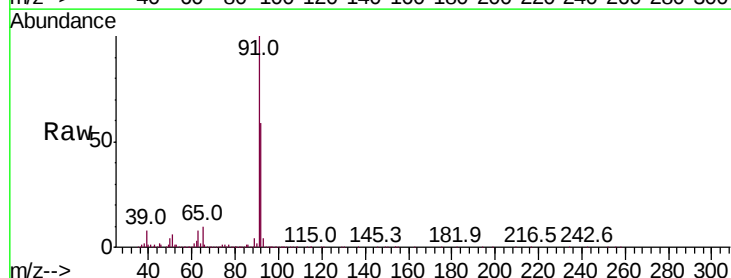
Acq: 20 Dec 2018 09:00

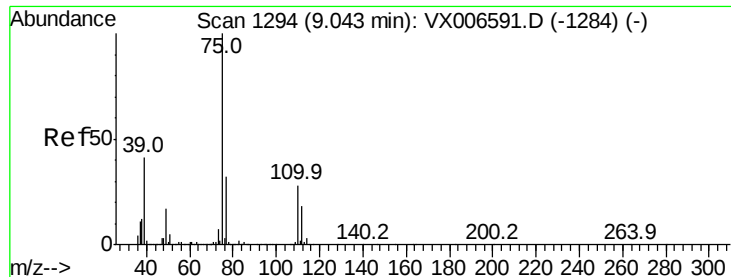
Tgt Ion: 92 Resp: 923795

Ion Ratio Lower Upper

92 100

91 172.2 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 56.047 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 492875

Ion Ratio Lower Upper

75 100

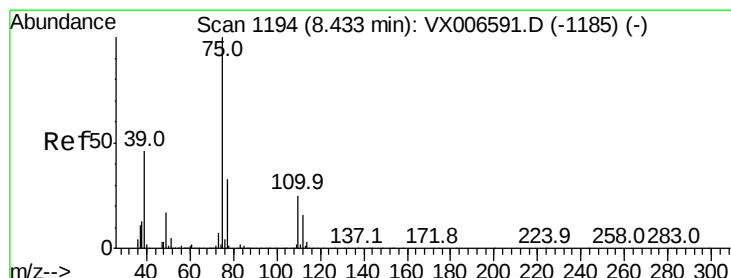
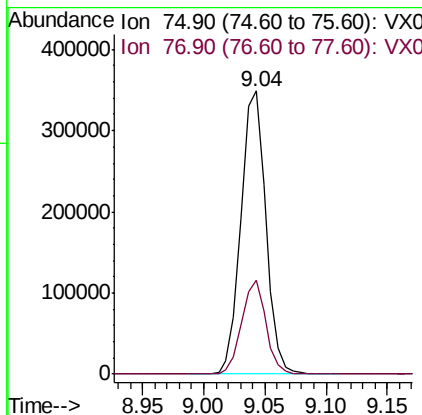
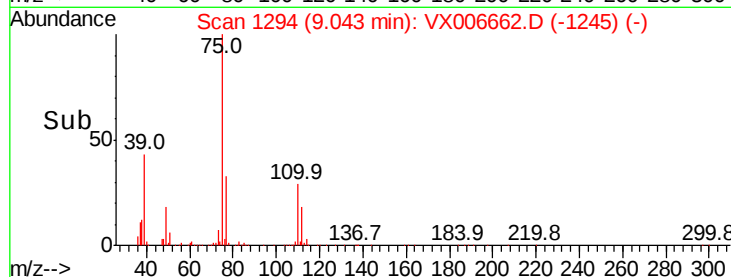
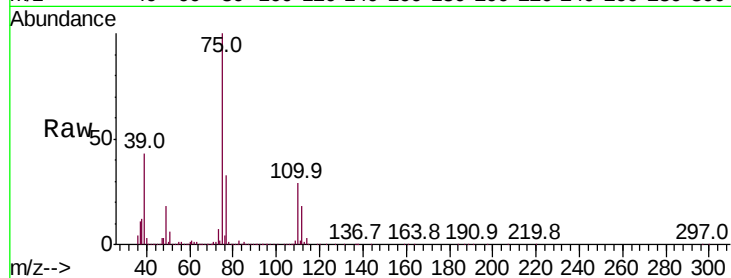
77 33.1 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.843 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

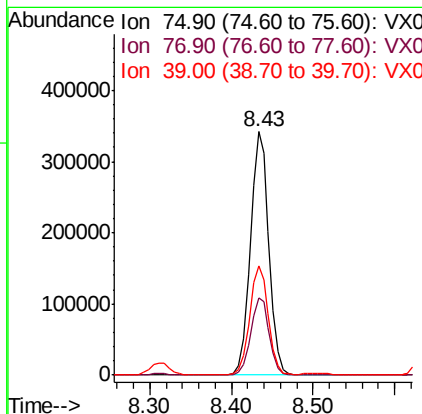
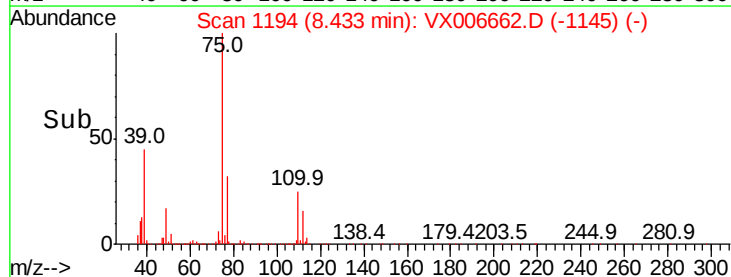
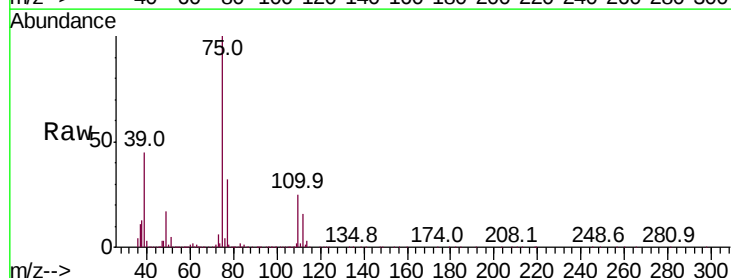
Tgt Ion: 75 Resp: 538837

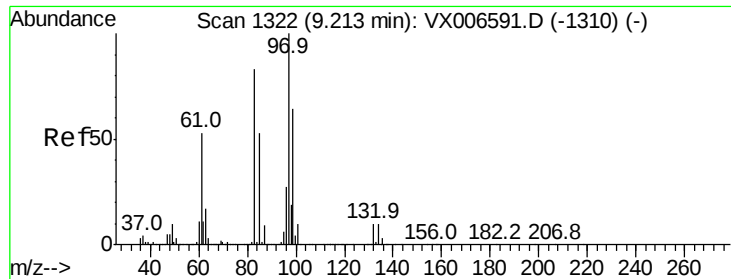
Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 44.9 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 51.575 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

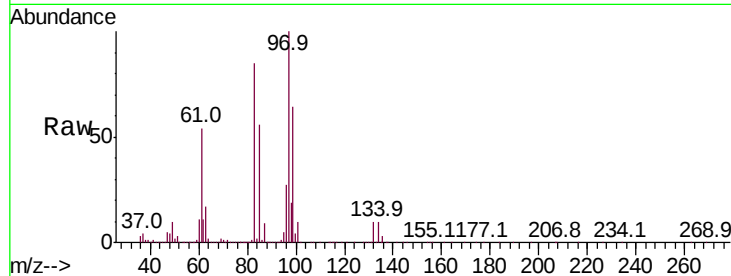
ClientSampleId :

VSTDCCC050

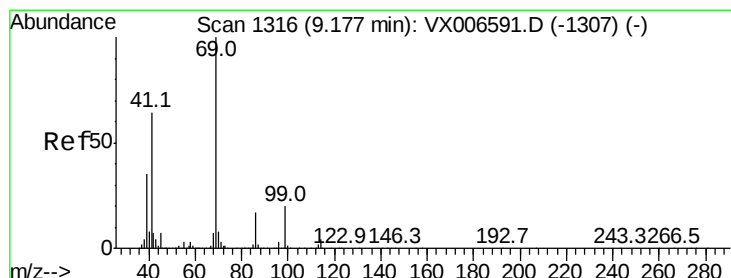
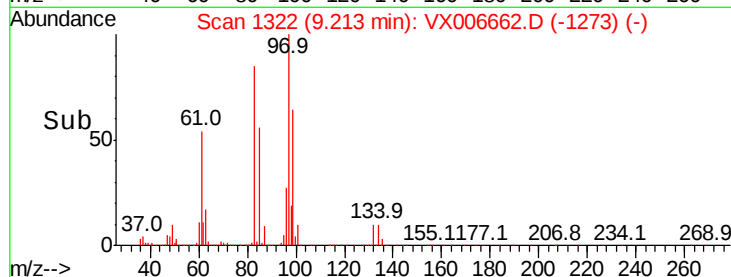
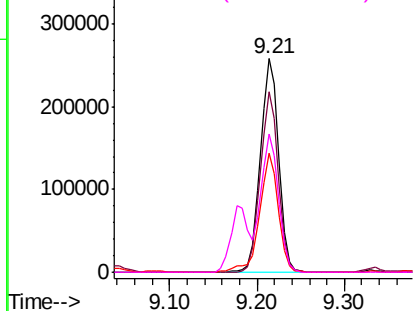
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	66.6	99.8
85	55.8	42.7	64.1
99	64.5	50.8	76.2

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Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 53.557 ug/l

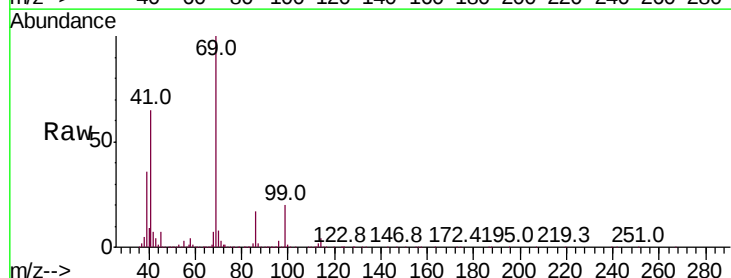
RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

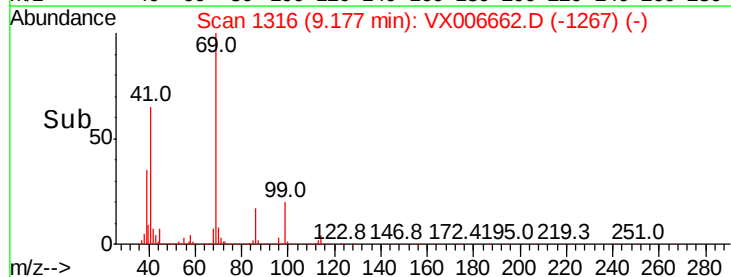
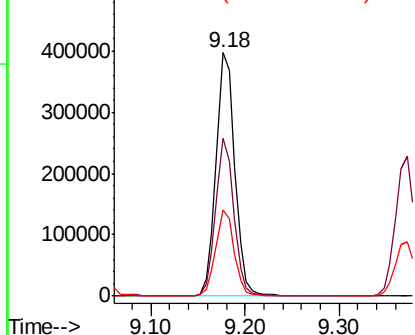
Lab File: VX006662.D

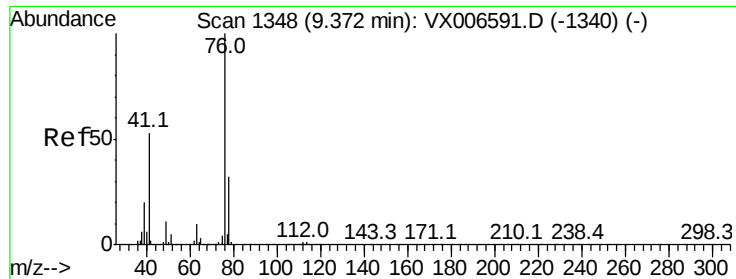
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	48.7	73.1
39	35.3	27.0	40.6



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.311 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 590597

Ion Ratio Lower Upper

76 100

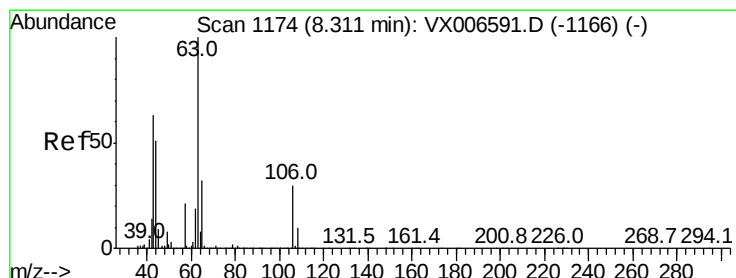
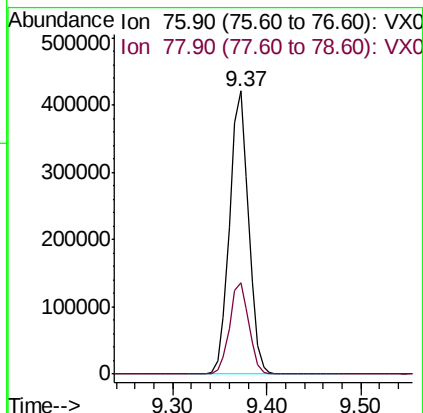
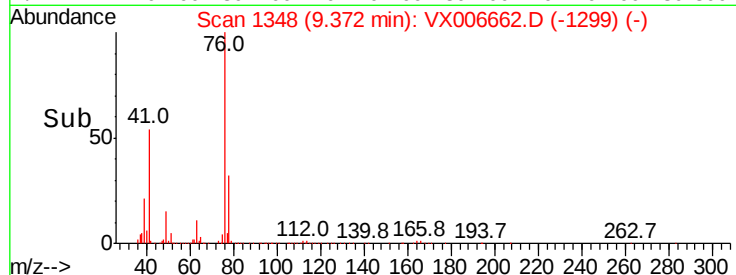
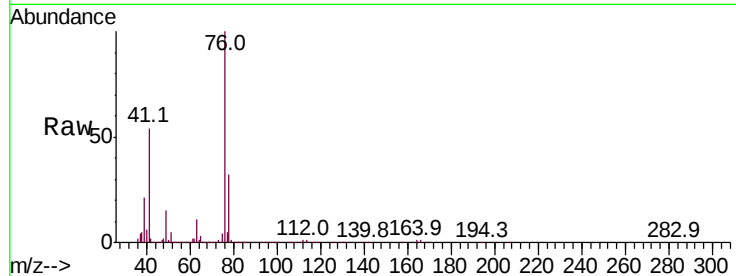
78 32.5 26.0 39.0

Manual Integrations

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12/21/2018 10:18:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 249.322 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006662.D

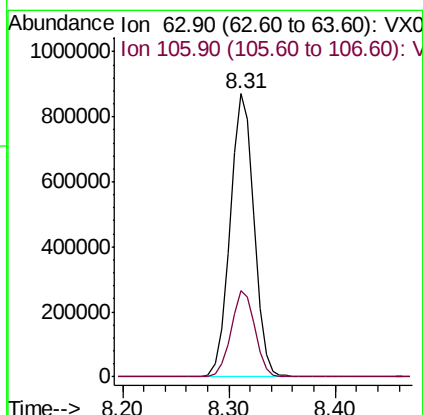
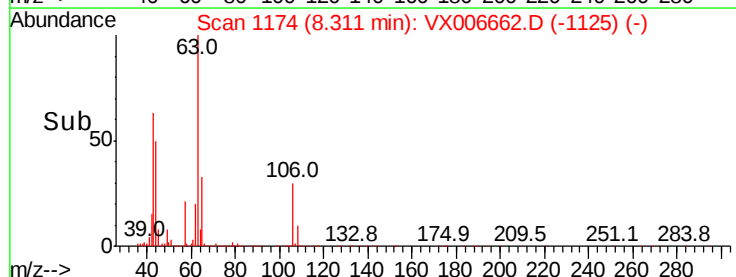
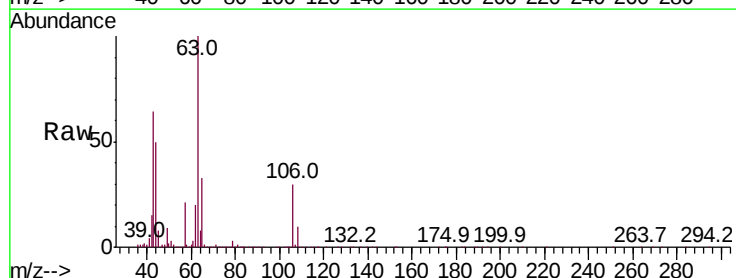
Acq: 20 Dec 2018 09:00

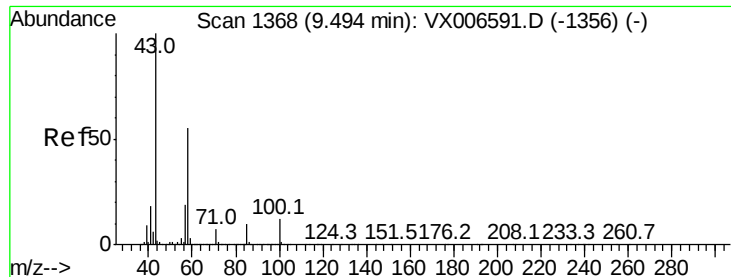
Tgt Ion: 63 Resp: 1366707

Ion Ratio Lower Upper

63 100

106 30.5 24.6 36.8





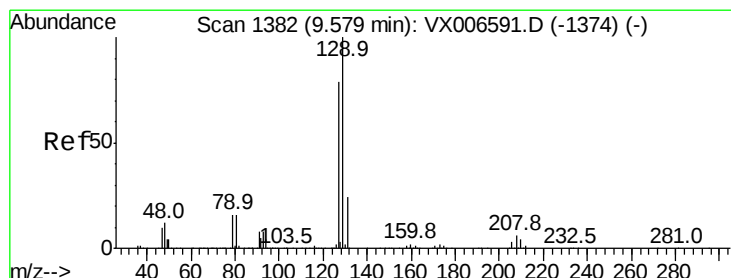
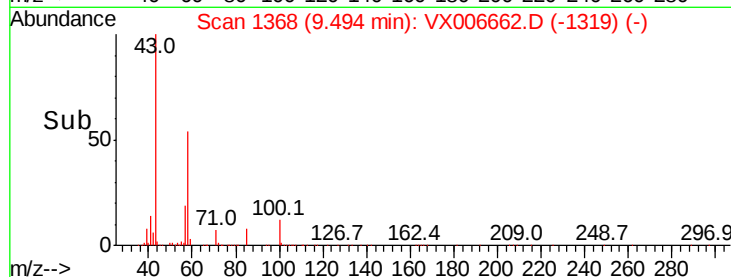
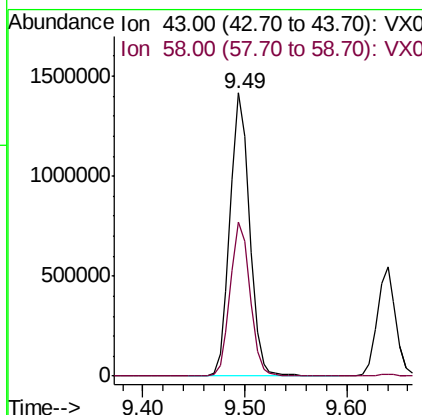
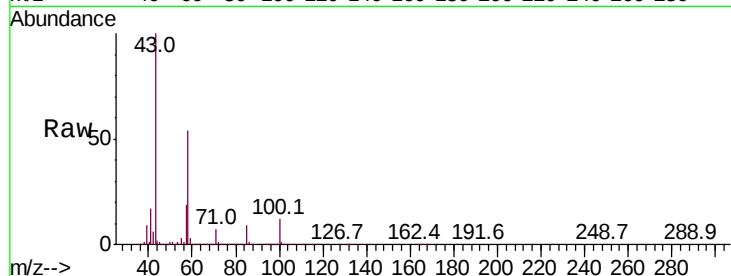
#59
2-Hexanone
Concen: 268.096 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1876175
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.1

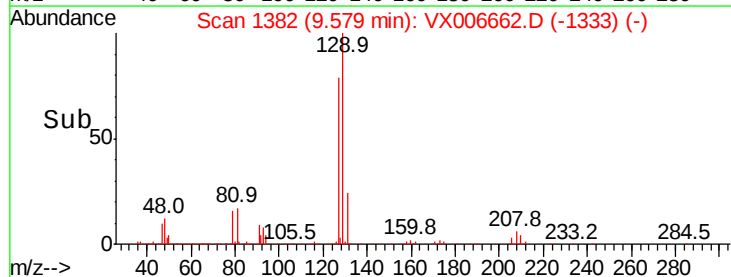
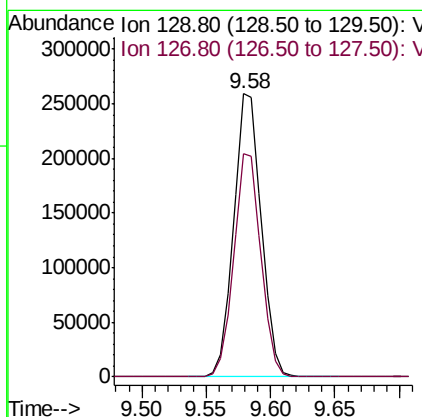
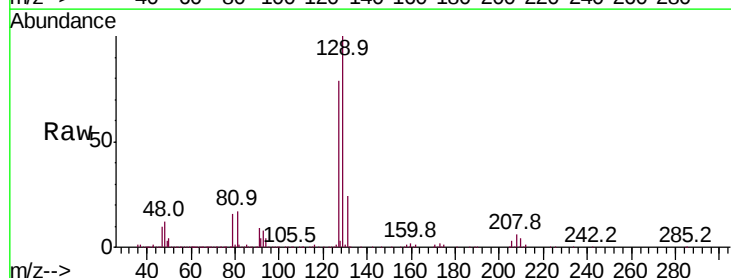
Manual Integrations
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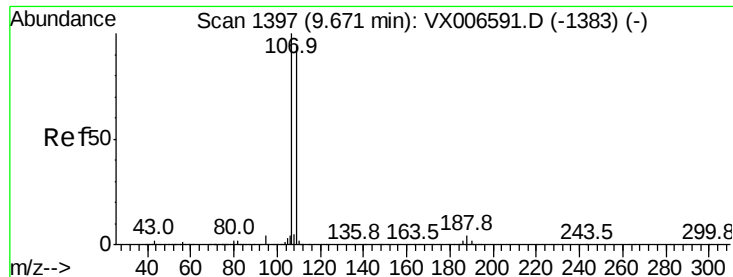
MMDadoda
12/21/2018 10:18:50 AM



#60
Dibromochloromethane
Concen: 50.499 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion: 129 Resp: 385551
Ion Ratio Lower Upper
129 100
127 77.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 52.573 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 407761

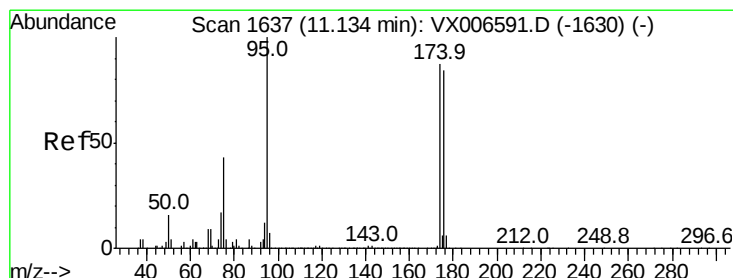
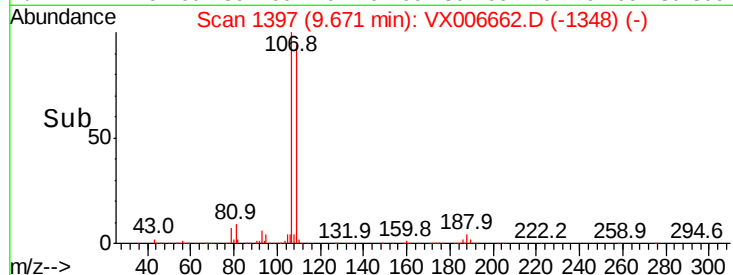
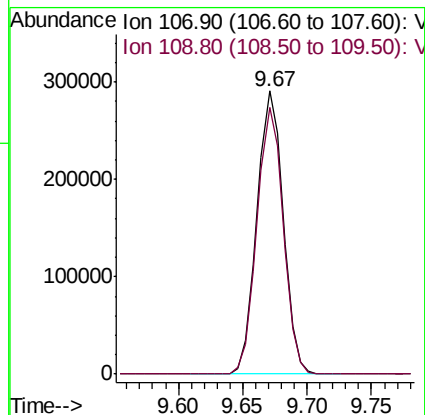
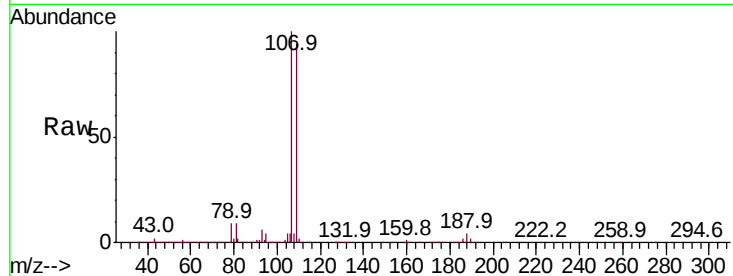
Ion Ratio Lower Upper

107 100

109 94.6 75.8 113.6

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:18:50 AM



#62

4-Bromofluorobenzene

Concen: 51.360 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

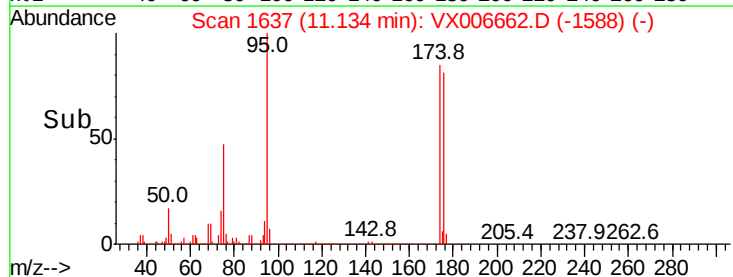
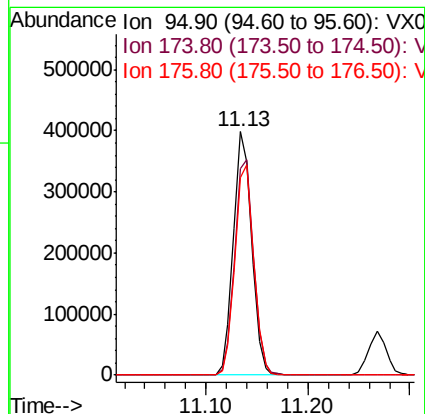
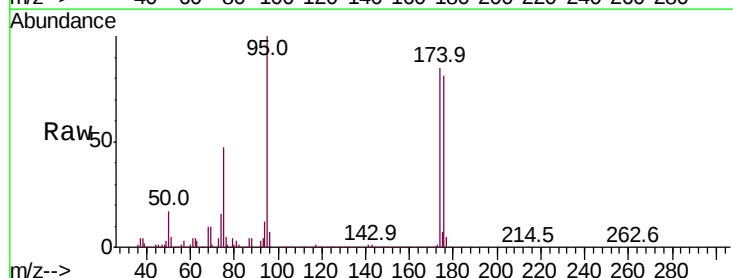
Tgt Ion: 95 Resp: 491496

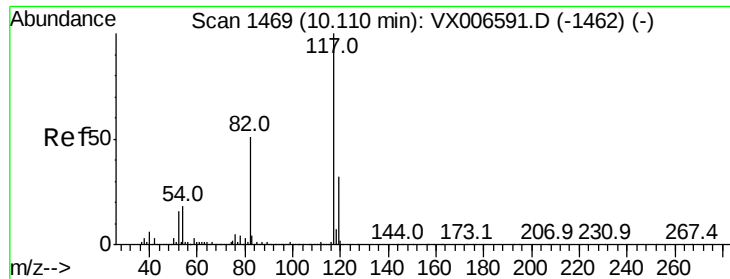
Ion Ratio Lower Upper

95 100

174 91.3 0.0 182.2

176 88.5 0.0 178.8





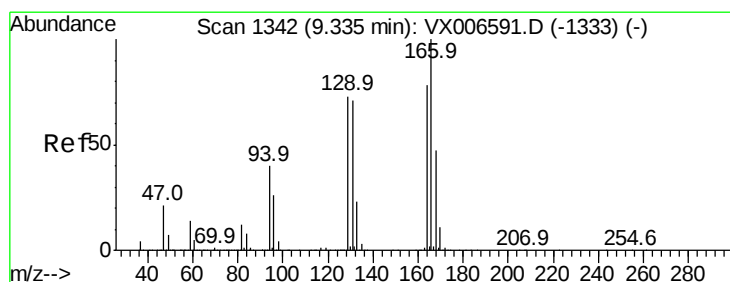
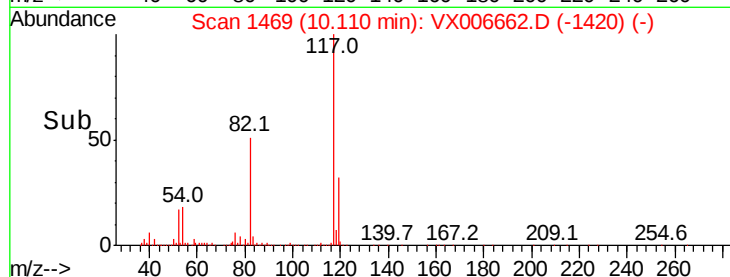
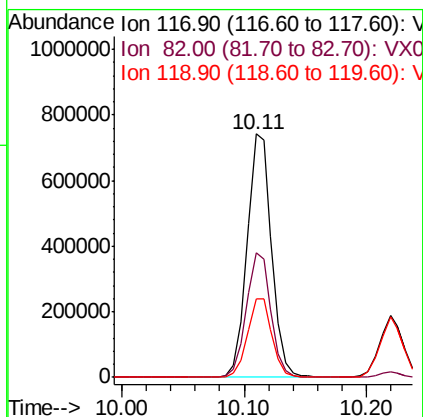
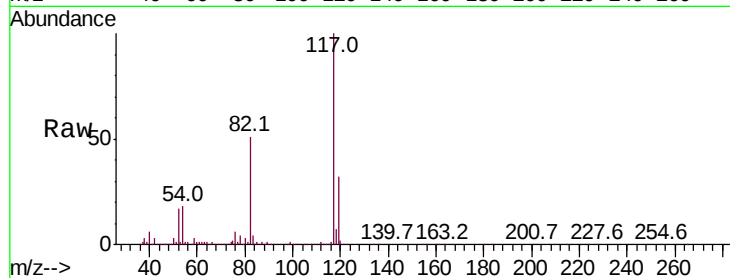
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1030351
Ion Ratio Lower Upper
117 100
82 51.3 41.0 61.6
119 32.3 25.4 38.0

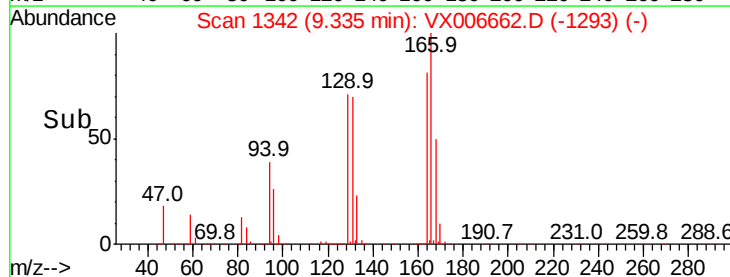
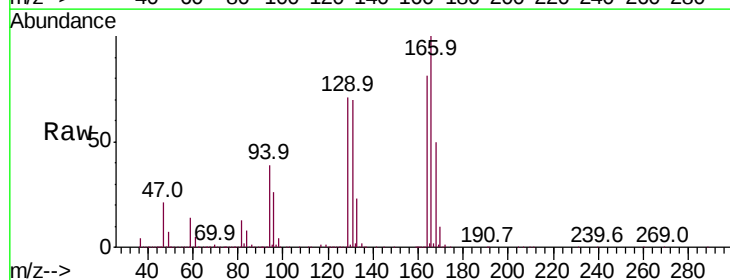
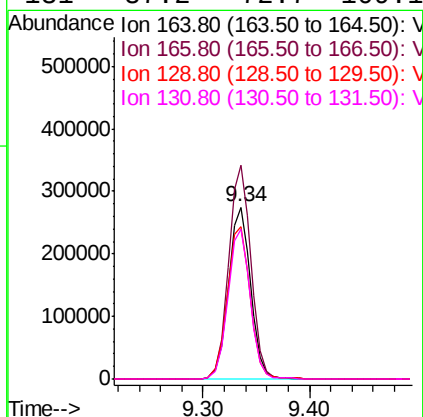
Manual Integrations
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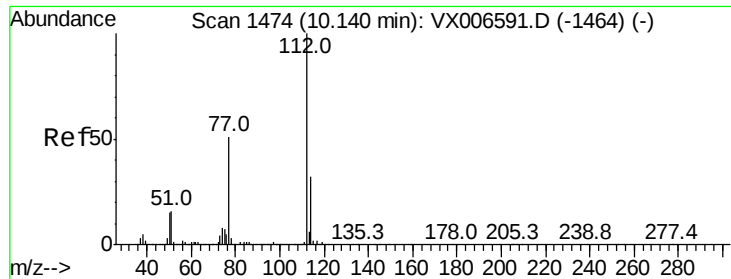
MMDadoda
12/21/2018 10:18:50 AM



#64
Tetrachloroethene
Concen: 49.121 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion:164 Resp: 400769
Ion Ratio Lower Upper
164 100
166 124.2 102.5 153.7
129 88.2 75.1 112.7
131 87.2 72.7 109.1





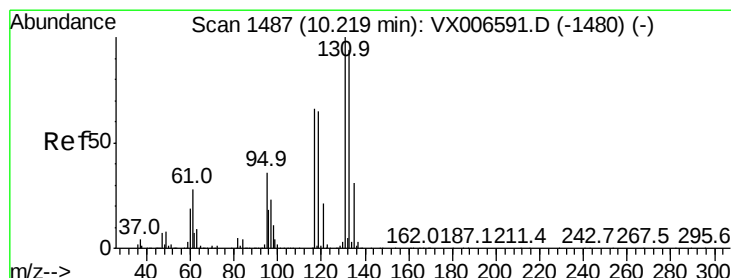
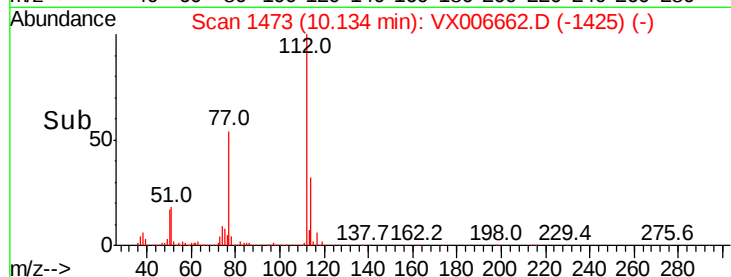
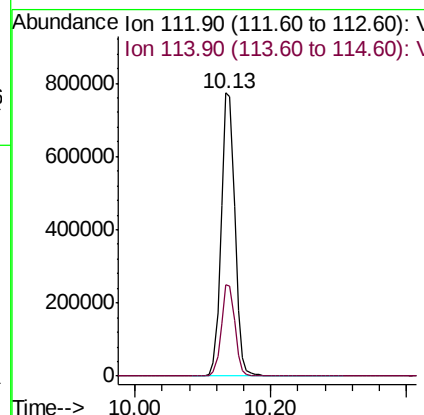
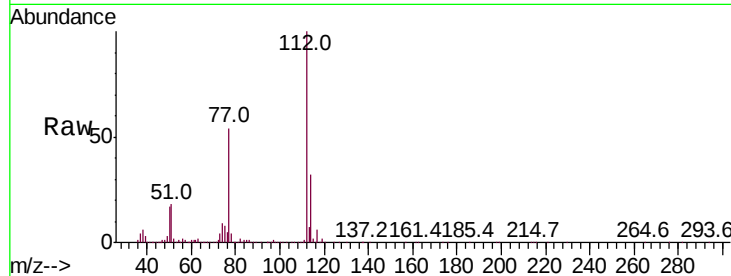
#65
Chlorobenzene
Concen: 49.554 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1080184
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

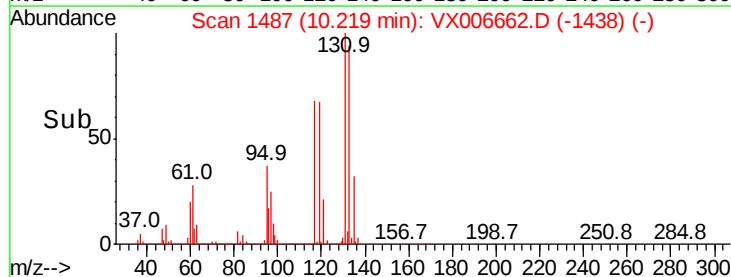
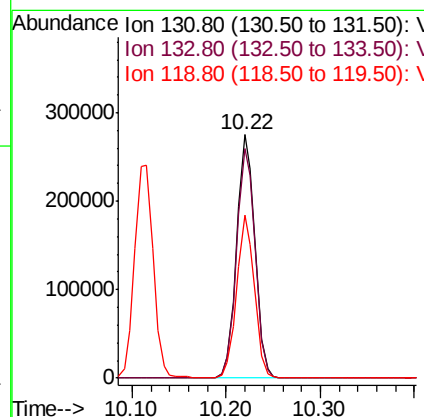
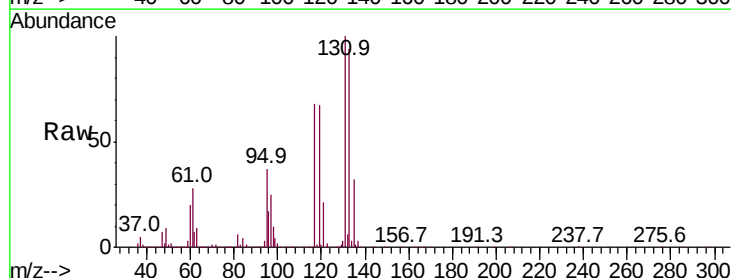
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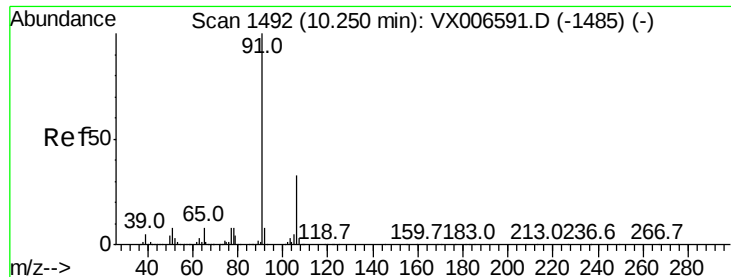
MMDadoda
12/21/2018 10:18:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.149 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion:131 Resp: 368262
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 65.3 32.6 97.8





#67

Ethyl Benzene

Concen: 50.316 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1792229

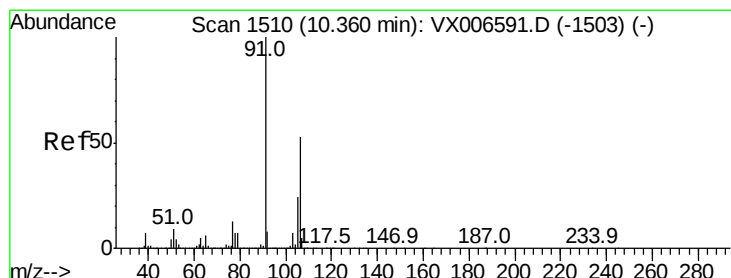
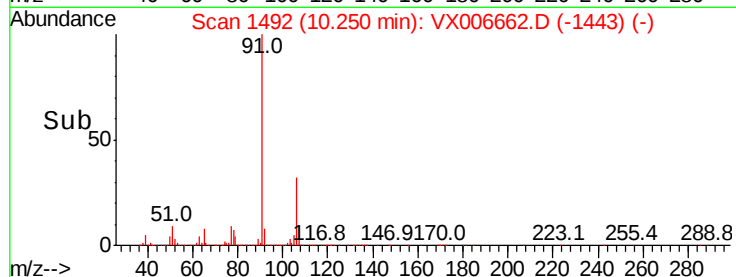
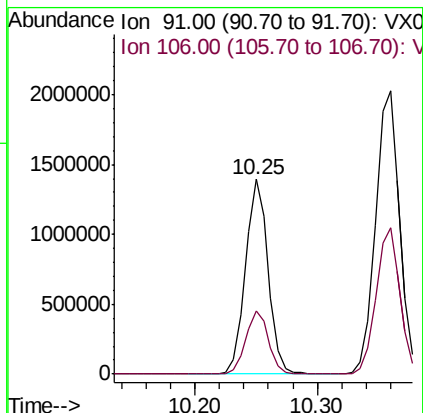
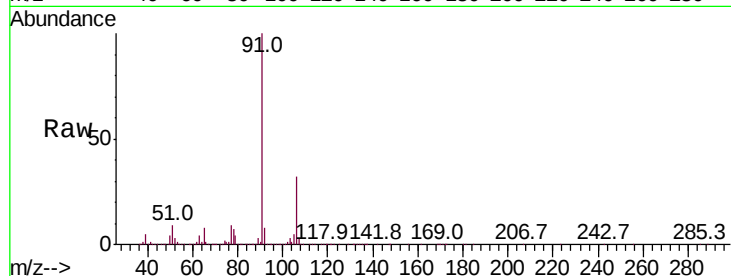
Ion Ratio Lower Upper

91 100

106 32.4 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:18:50 AM



#68

m/p-Xylenes

Concen: 102.024 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006662.D

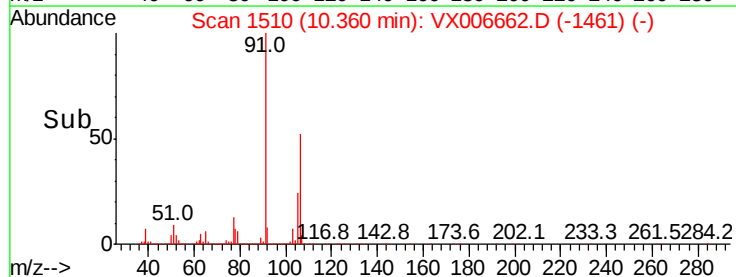
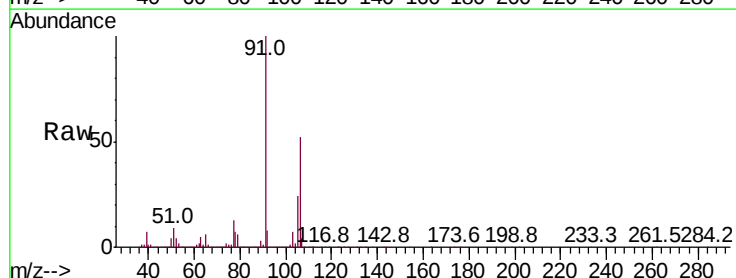
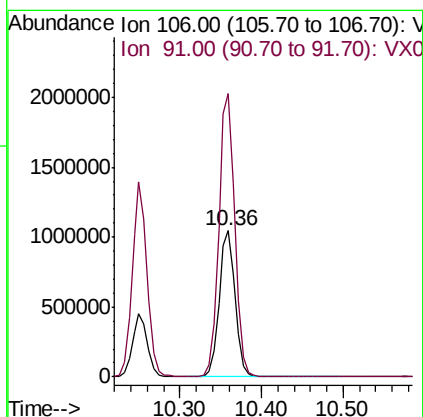
Acq: 20 Dec 2018 09:00

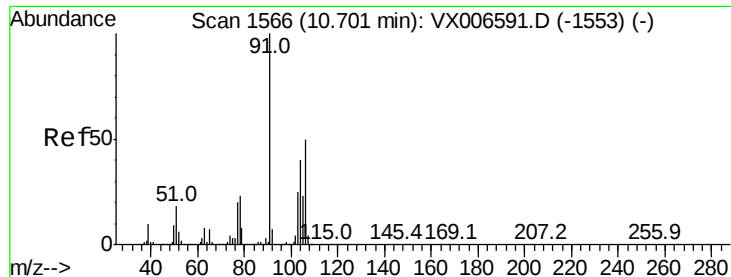
Tgt Ion: 106 Resp: 1433979

Ion Ratio Lower Upper

106 100

91 194.2 155.8 233.6





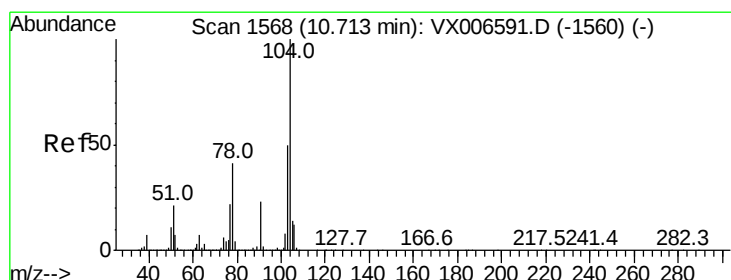
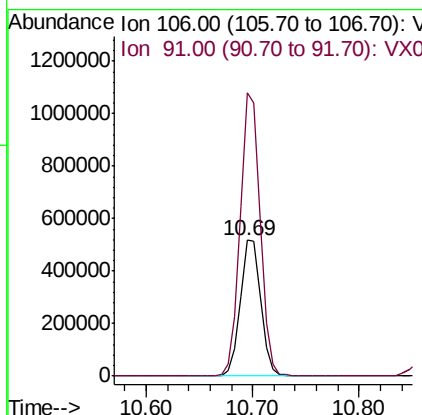
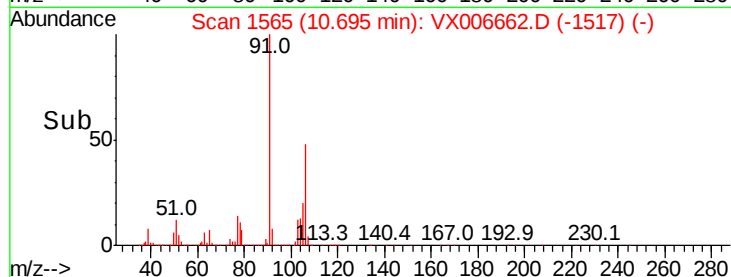
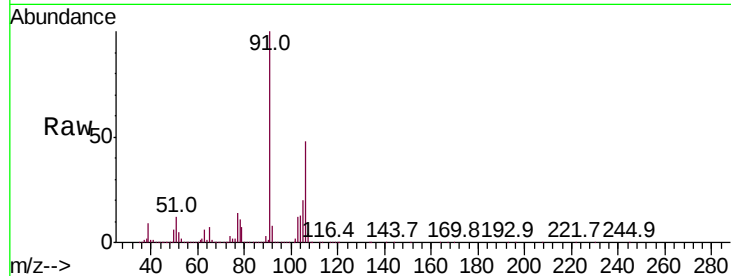
#69
o-Xylene
Concen: 50.530 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.9	101.3	303.7

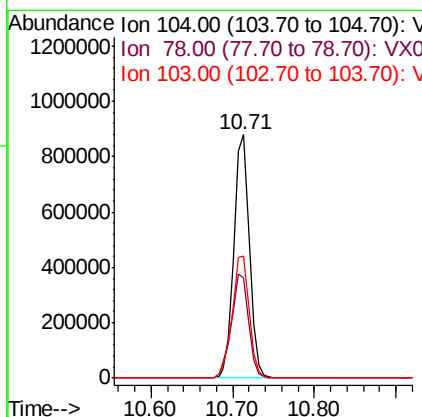
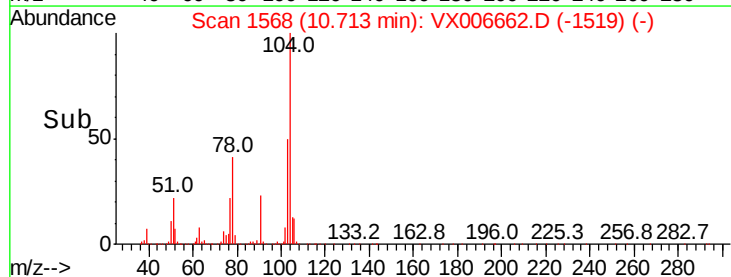
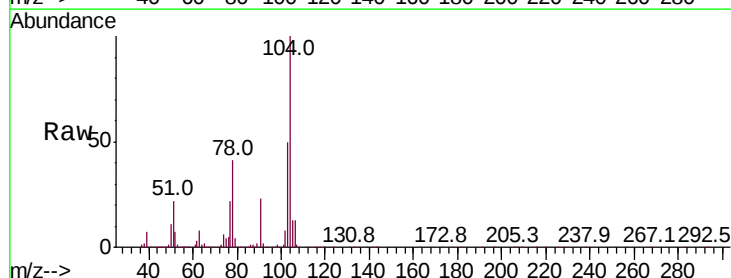
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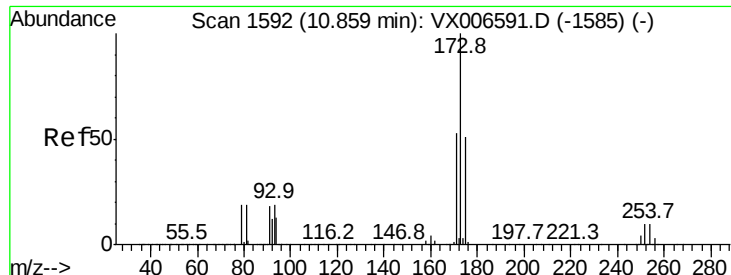
MMDadoda
12/21/2018 10:18:50 AM



#70
Styrene
Concen: 52.134 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.7	56.5
103	55.0	43.8	65.8





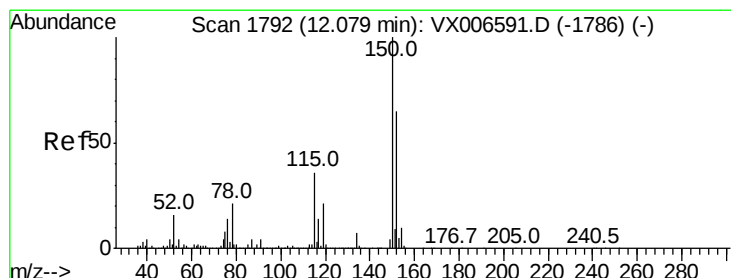
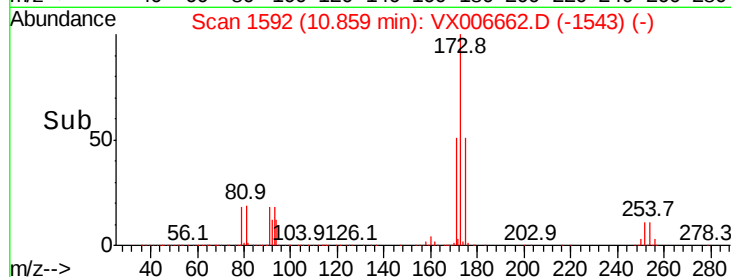
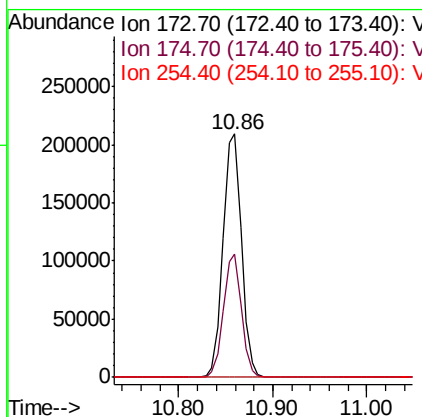
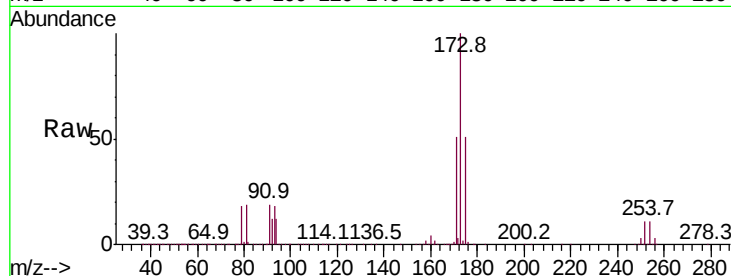
#71
Bromoform
Concen: 46.693 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.2	0.2	0.2

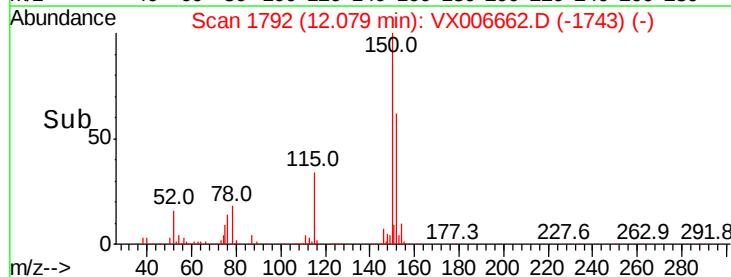
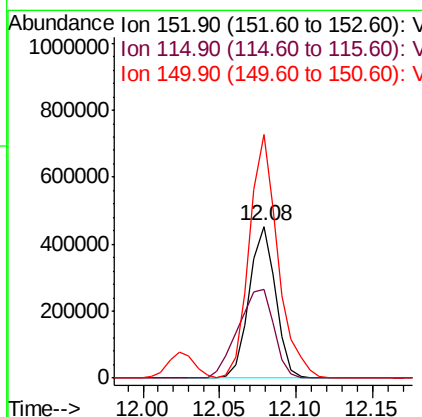
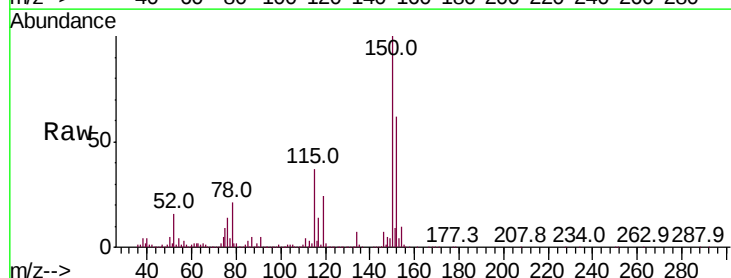
Manual Integrations
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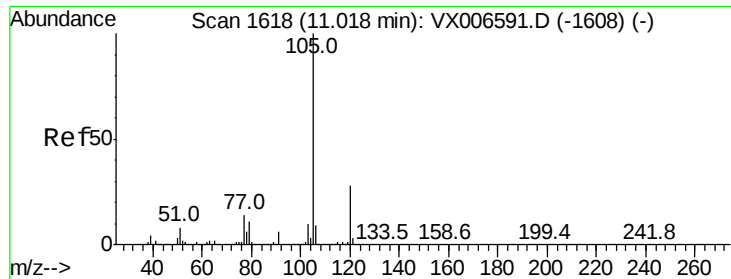
MMDadoda
12/21/2018 10:18:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.6	39.1	117.2
150	175.0	0.0	344.8





#73

Isopropylbenzene

Concen: 50.700 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1872108

Ion Ratio Lower Upper

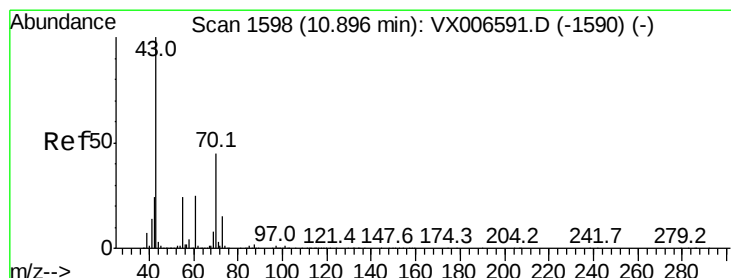
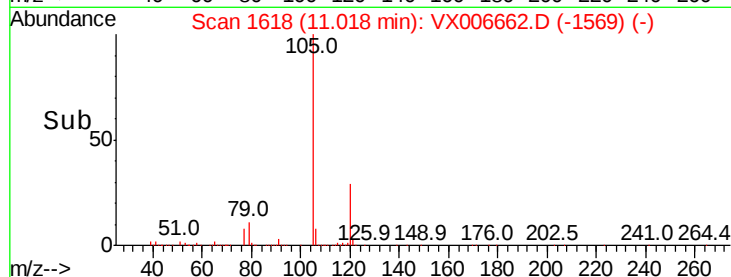
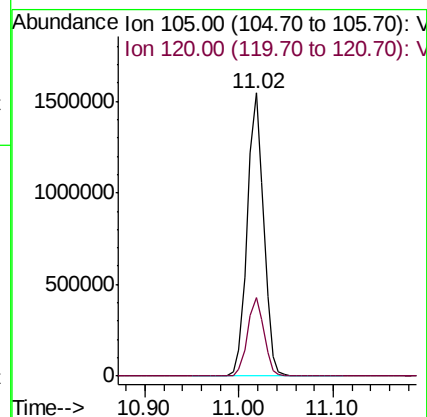
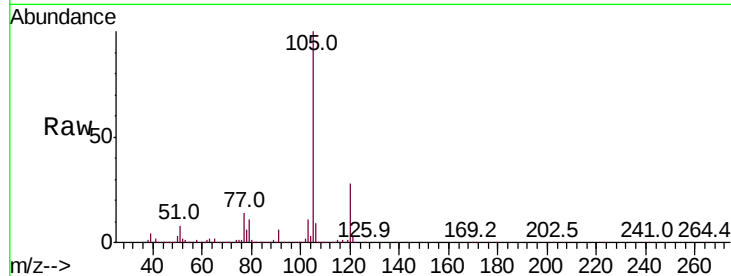
105 100

120 27.8 14.1 42.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 52.857 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion: 43 Resp: 698610

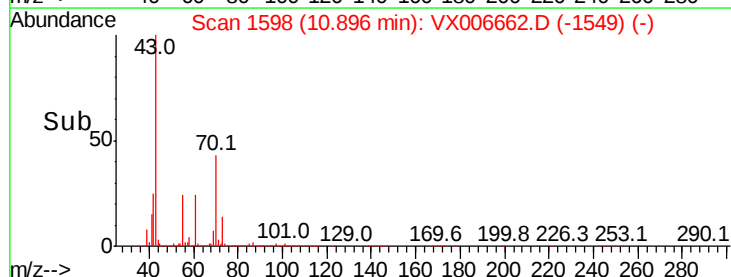
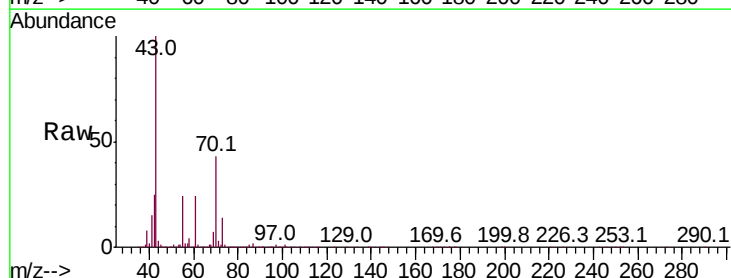
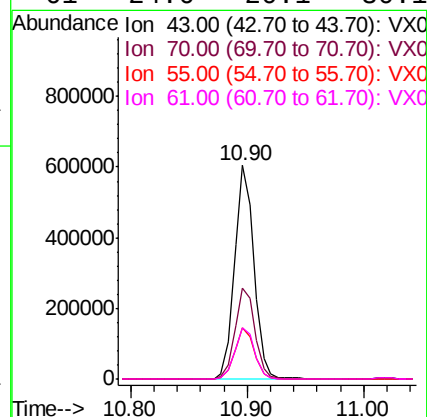
Ion Ratio Lower Upper

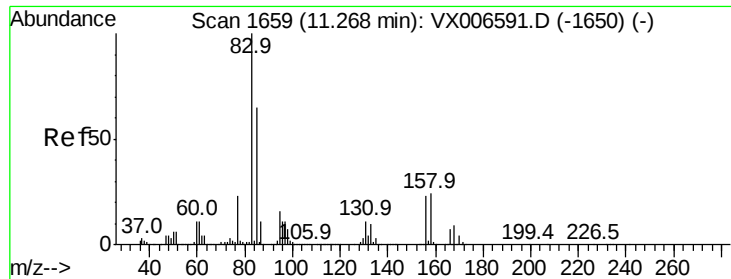
43 100

70 43.7 35.8 53.8

55 24.1 19.4 29.0

61 24.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.753 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 546363

Ion Ratio Lower Upper

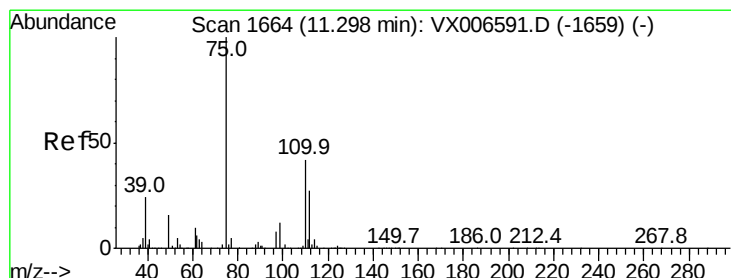
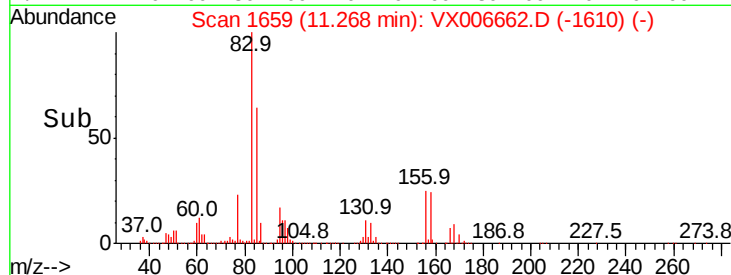
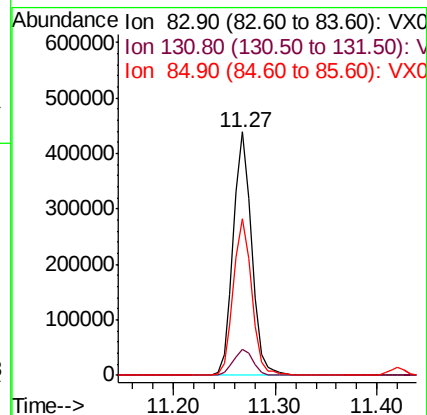
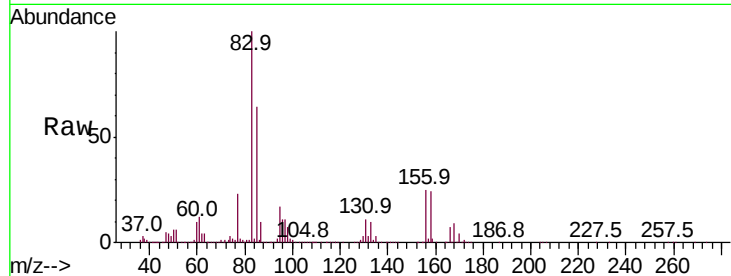
83 100

131 11.2 5.7 17.1

85 64.8 32.2 96.6

Manual Integrations
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MMDadoda
12/21/2018 10:18:50 AM



#76

1,2,3-Trichloropropane

Concen: 51.266 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006662.D

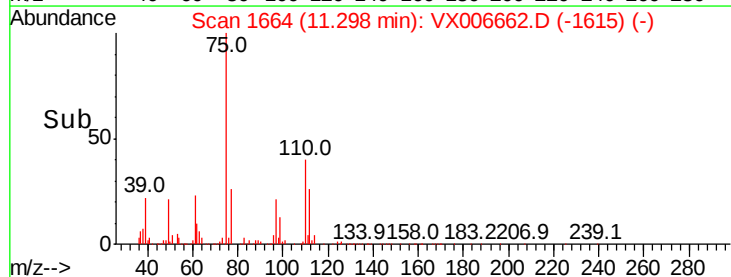
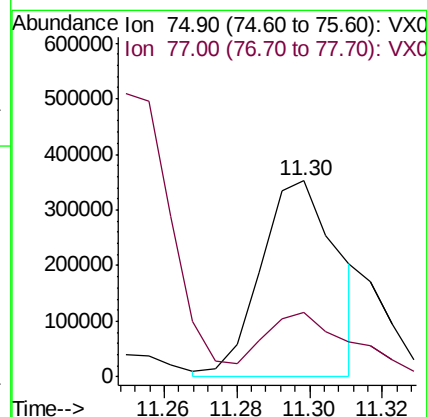
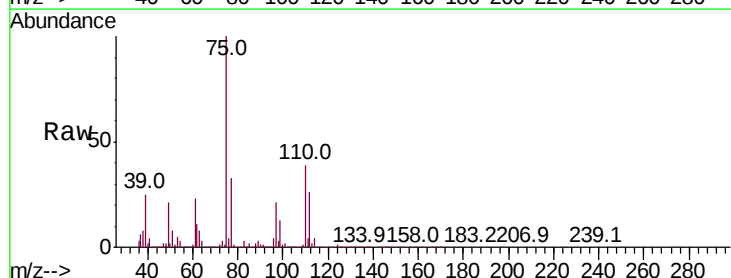
Acq: 20 Dec 2018 09:00

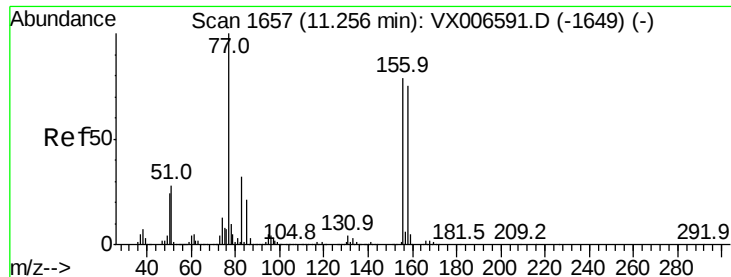
Tgt Ion: 75 Resp: 514231

Ion Ratio Lower Upper

75 100

77 37.6 18.5 55.5





#77

Bromobenzene

Concen: 50.061 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 499744

Ion Ratio Lower Upper

156 100

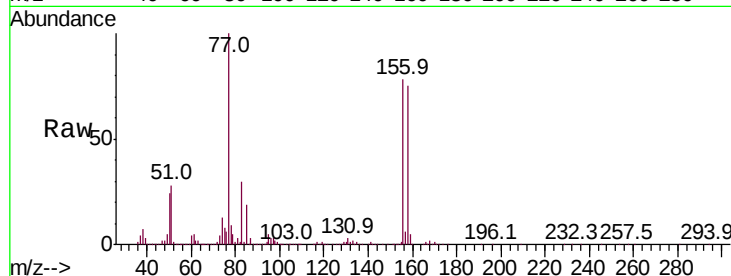
77 136.3 68.0 204.0

158 97.0 48.3 144.8

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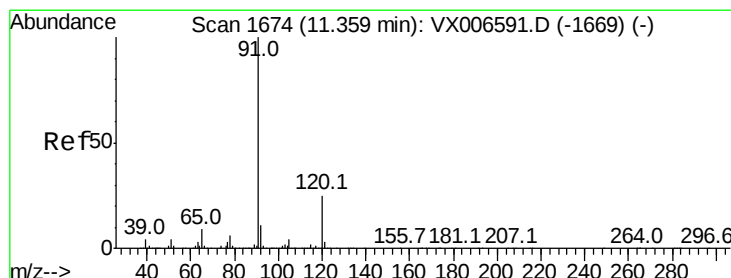
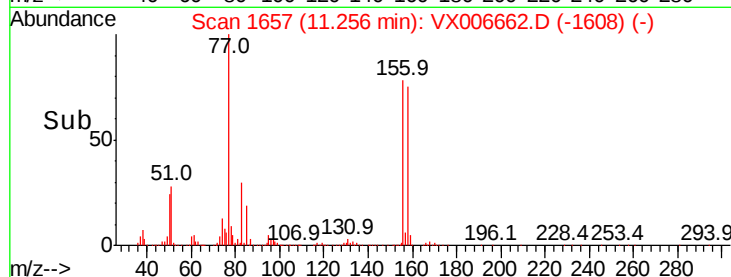
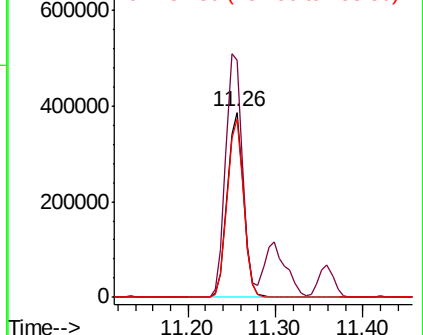
12/21/2018 10:18:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.215 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006662.D

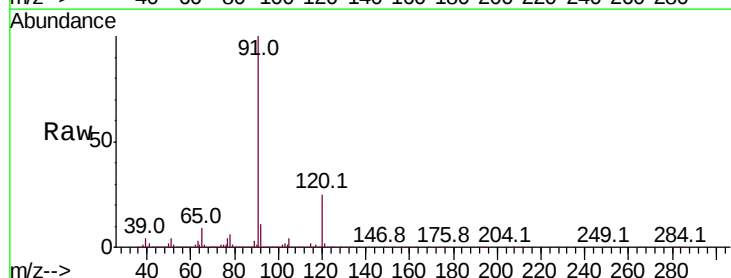
Acq: 20 Dec 2018 09:00

Tgt Ion: 91 Resp: 2123165

Ion Ratio Lower Upper

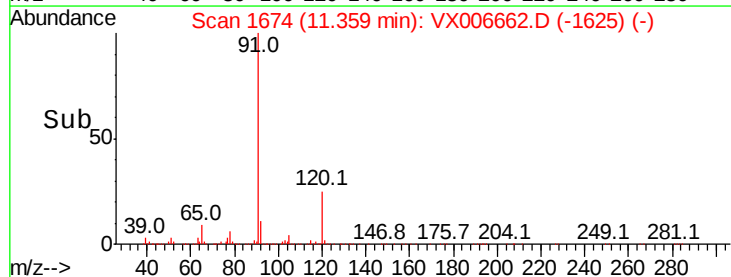
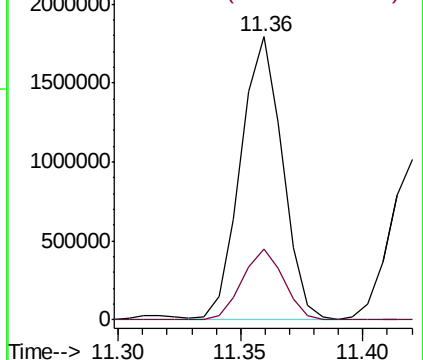
91 100

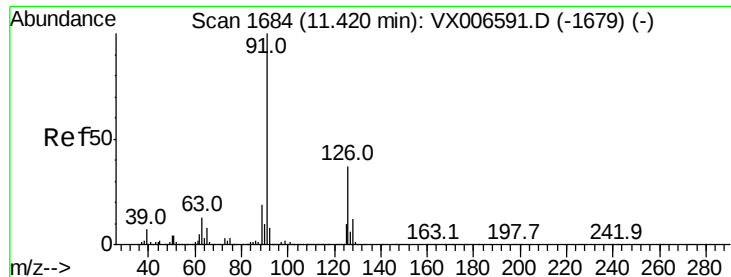
120 25.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.867 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1228784

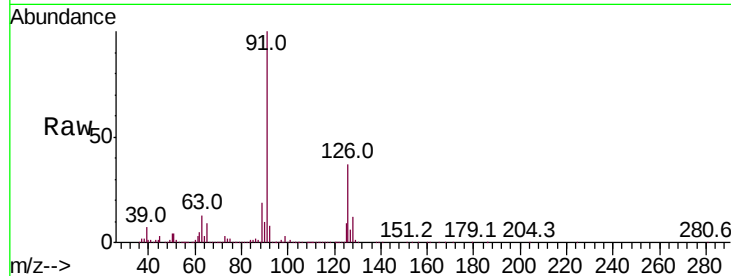
Ion Ratio Lower Upper

91 100

126 37.2 18.6 56.0

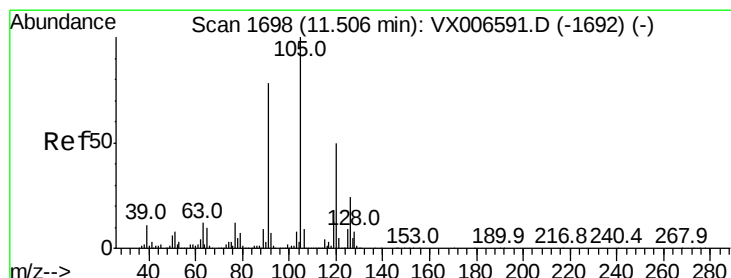
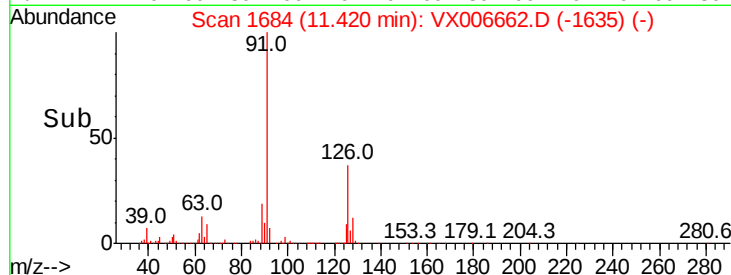
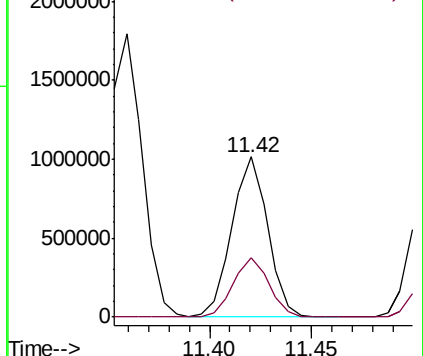
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.933 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006662.D

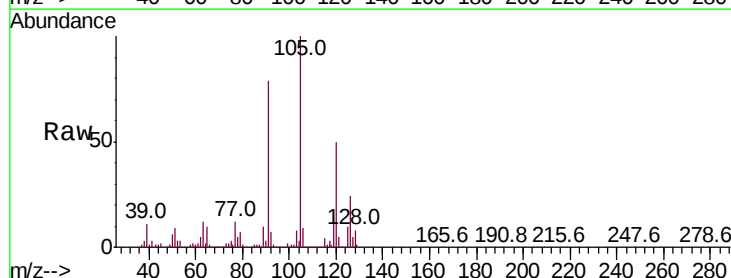
Acq: 20 Dec 2018 09:00

Tgt Ion:105 Resp: 1549044

Ion Ratio Lower Upper

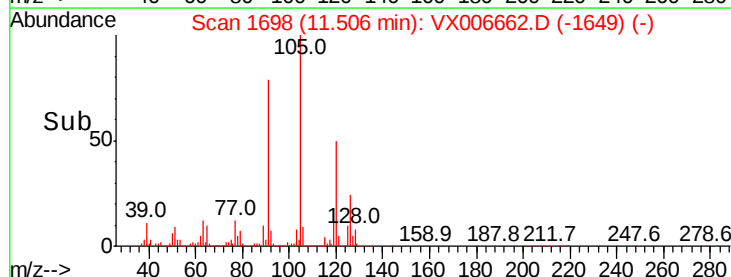
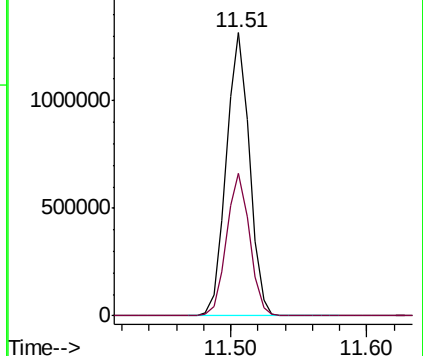
105 100

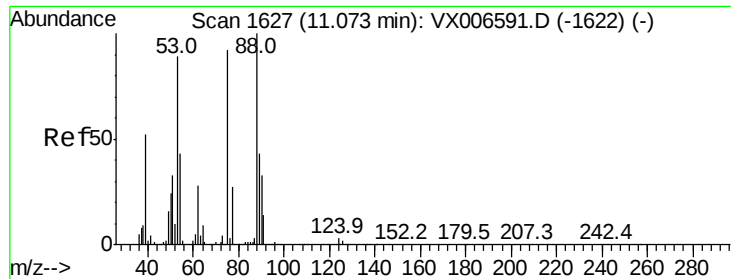
120 50.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.222 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006662.D

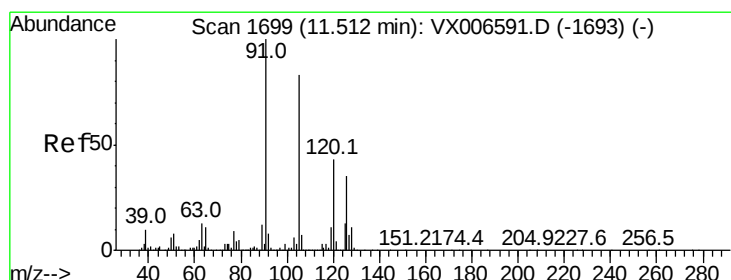
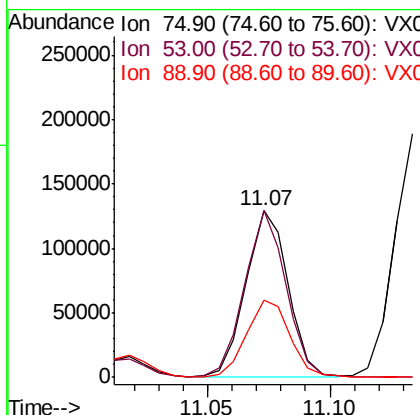
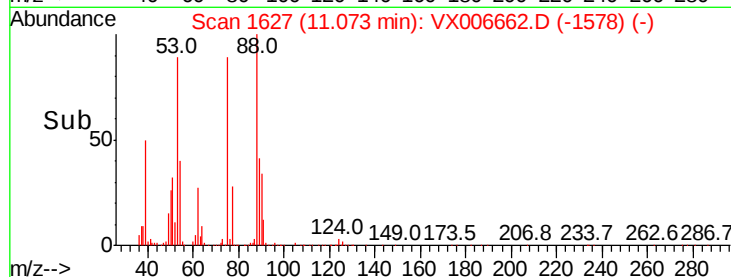
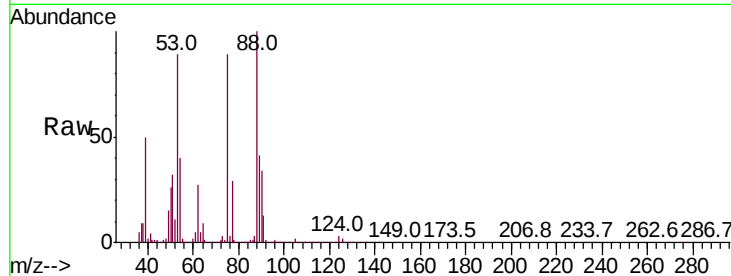
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	79.7	119.5
89	48.2	38.0	57.0

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#82

4-Chlorotoluene

Concen: 50.333 ug/l

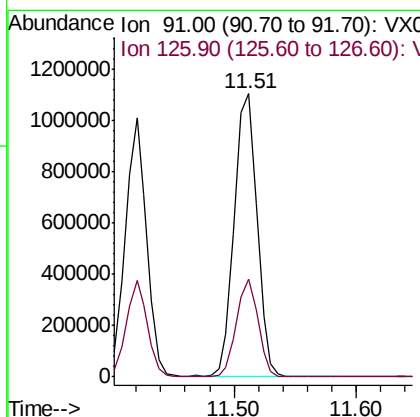
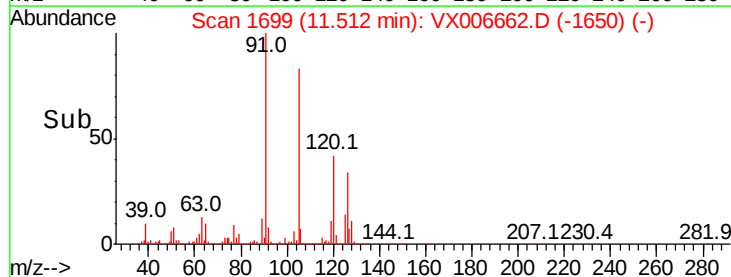
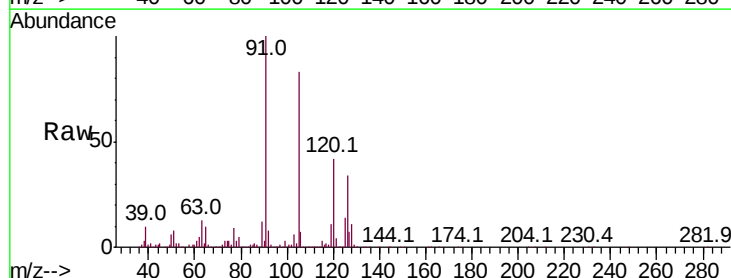
RT: 11.51 min Scan# 1699

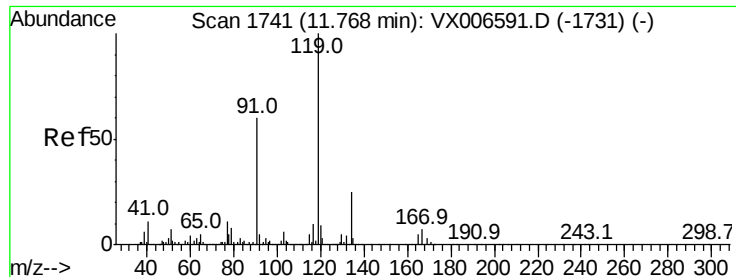
Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.3	48.9





#83

tert-Butylbenzene

Concen: 51.875 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1579027

Ion Ratio Lower Upper

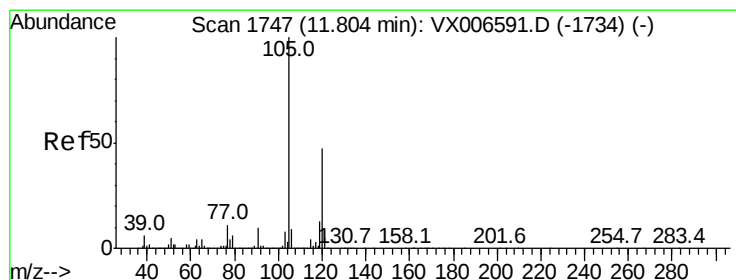
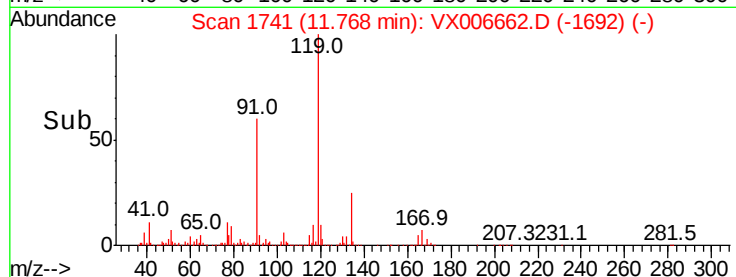
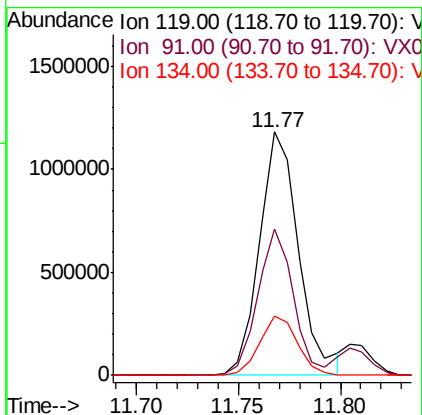
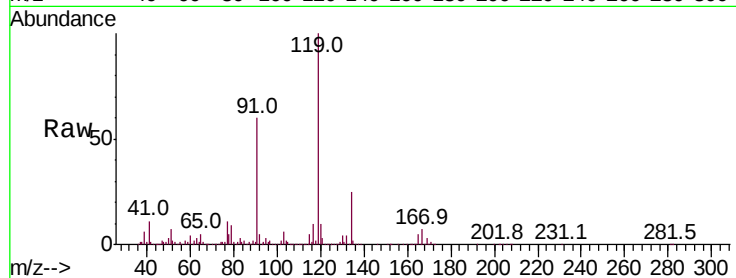
119 100

91 54.6 27.7 83.1

134 23.5 11.9 35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.944 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006662.D

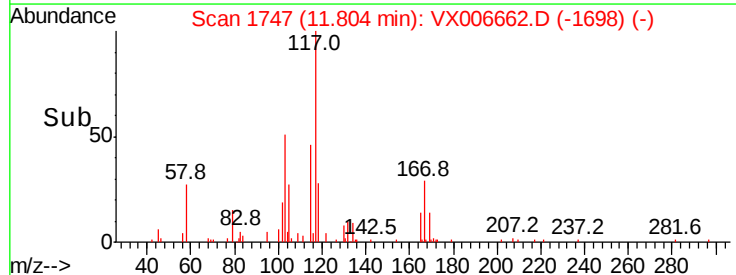
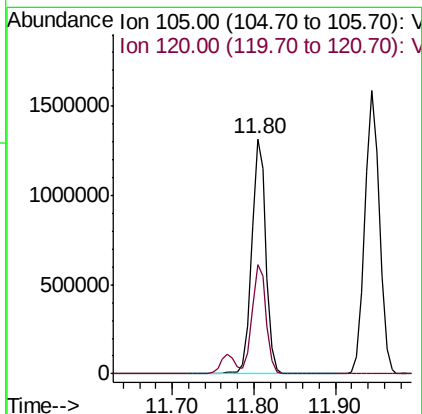
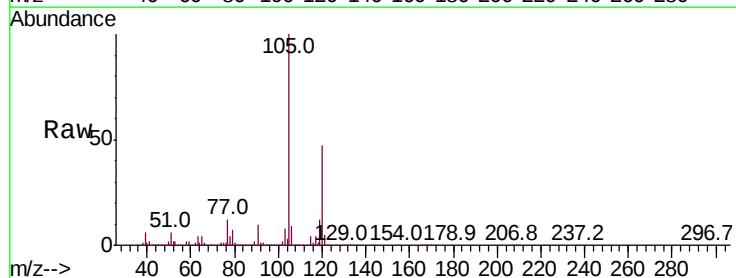
Acq: 20 Dec 2018 09:00

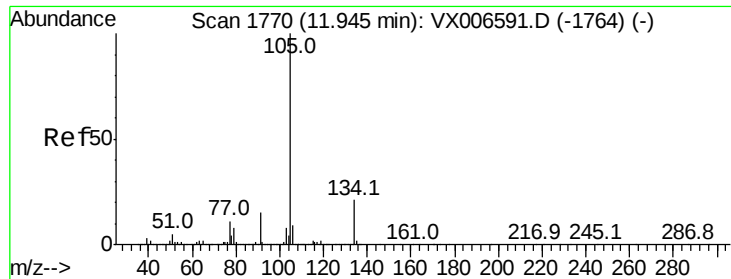
Tgt Ion:105 Resp: 1597702

Ion Ratio Lower Upper

105 100

120 46.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 51.450 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1920148

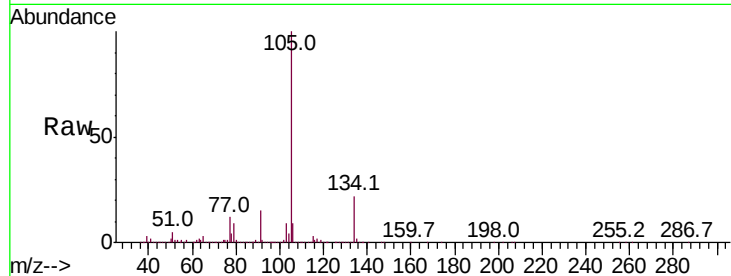
Ion Ratio Lower Upper

105 100

134 21.5 10.7 31.9

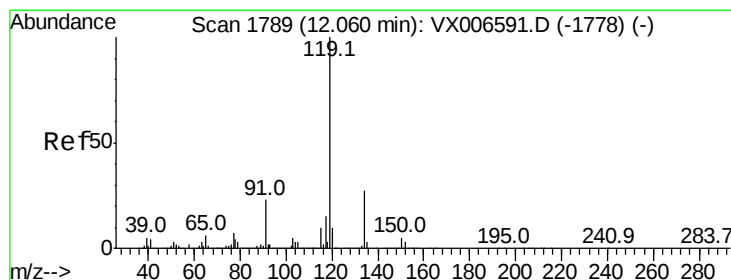
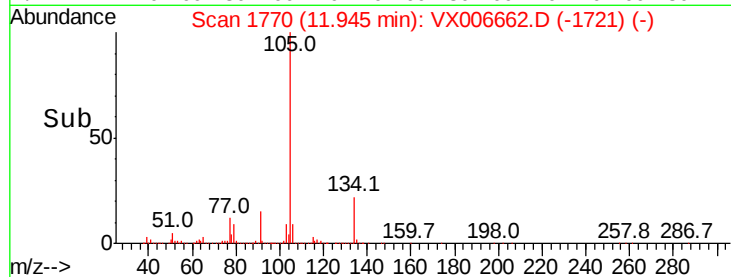
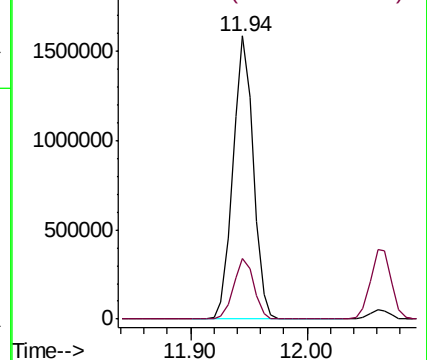
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.891 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

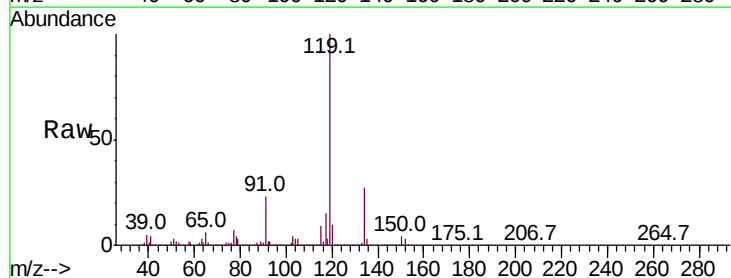
Tgt Ion:119 Resp: 1735161

Ion Ratio Lower Upper

119 100

134 27.6 14.0 41.9

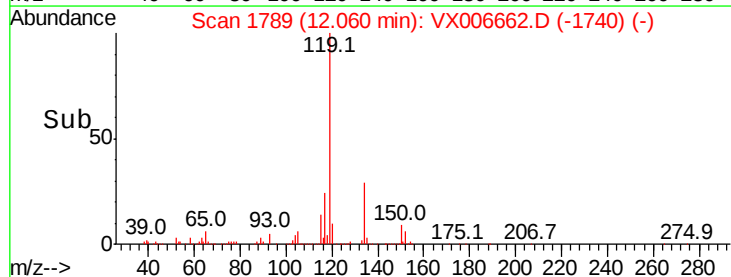
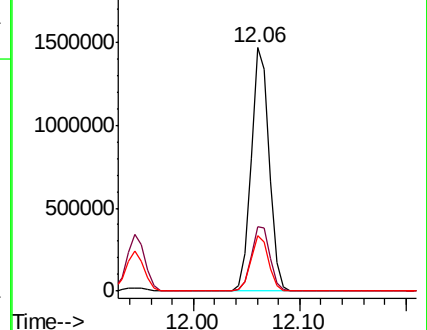
91 22.7 11.3 33.9

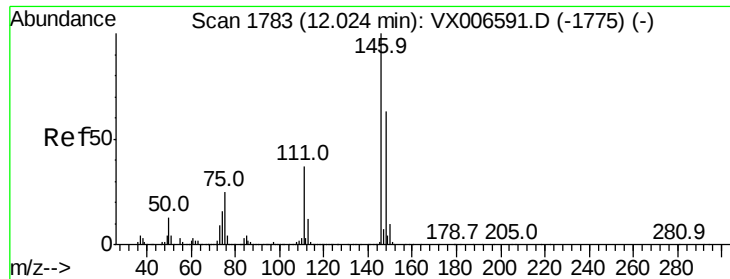


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.493 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

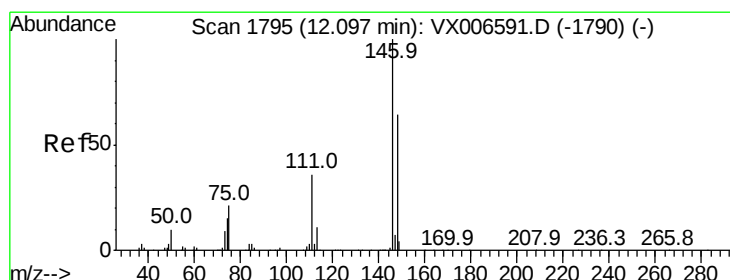
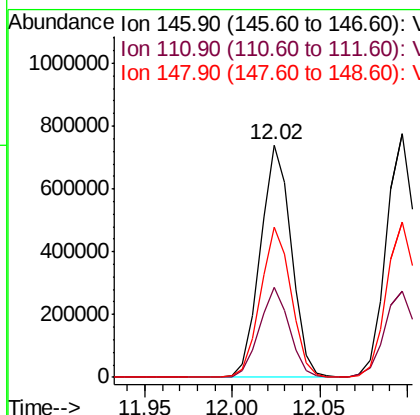
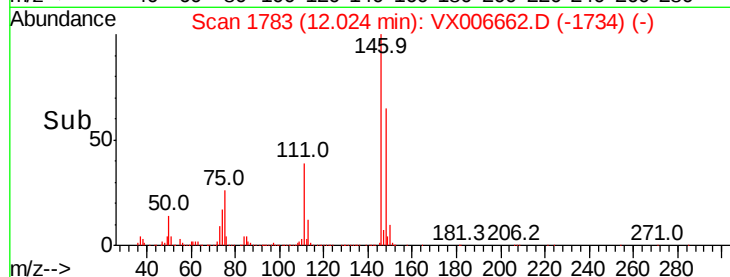
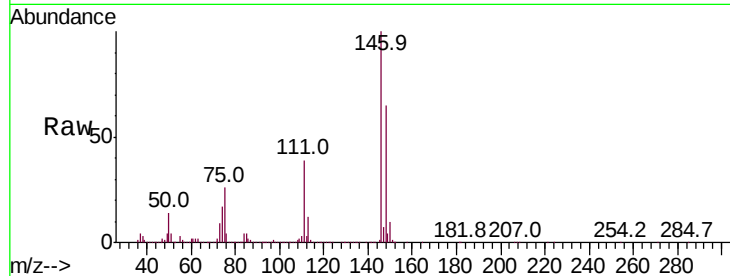
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	64.1	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.335 ug/l

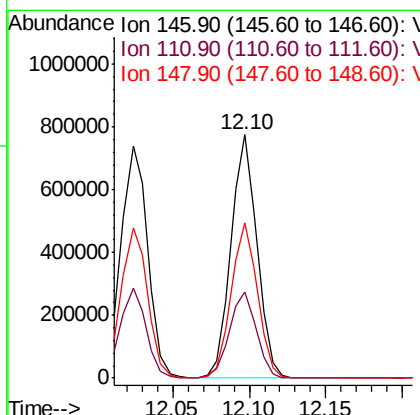
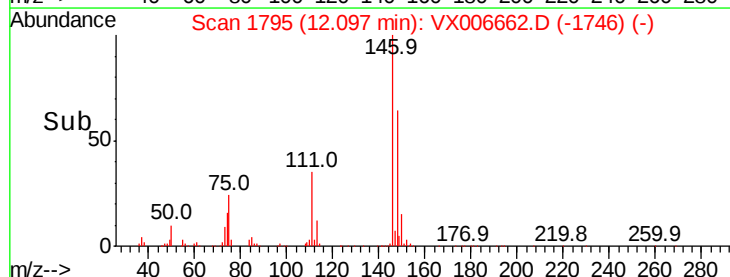
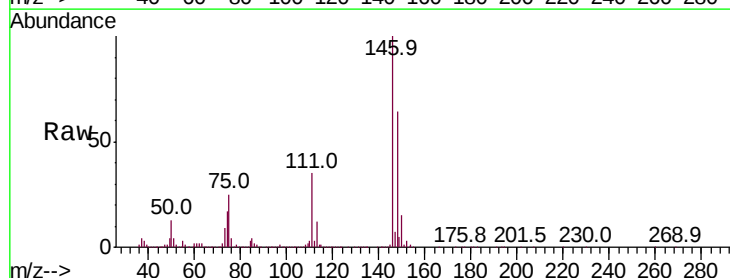
RT: 12.10 min Scan# 1795

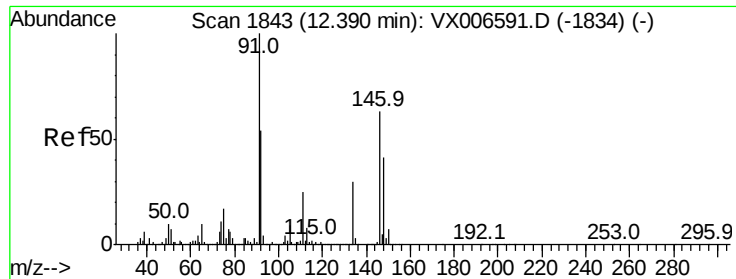
Delta R.T. -0.00 min

Lab File: VX006662.D

Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.6	31.9	95.9





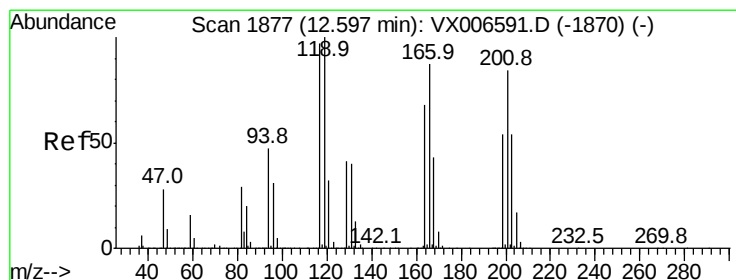
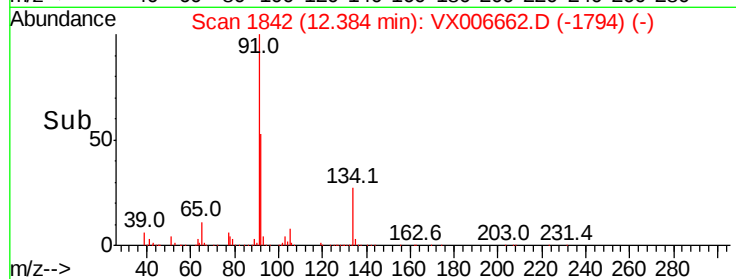
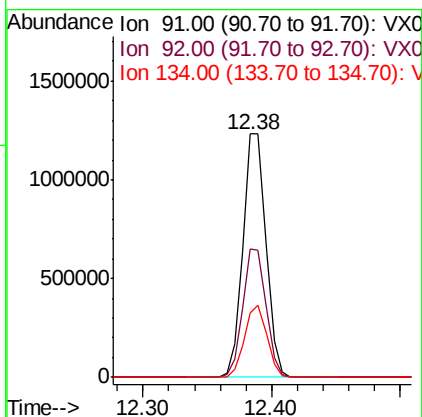
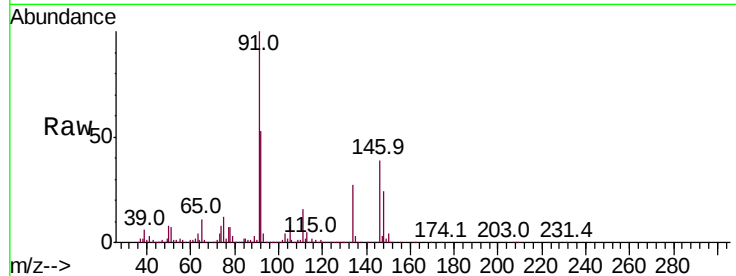
#89
n-Butylbenzene
Concen: 54.329 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	28.7	14.4	43.2

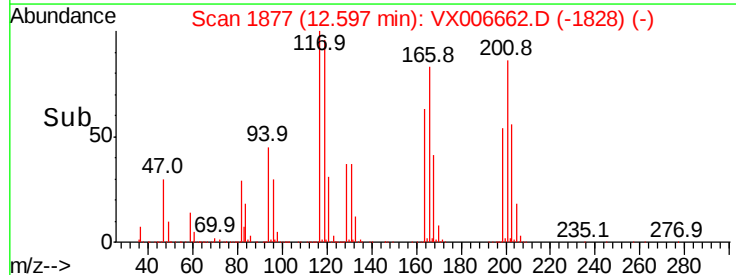
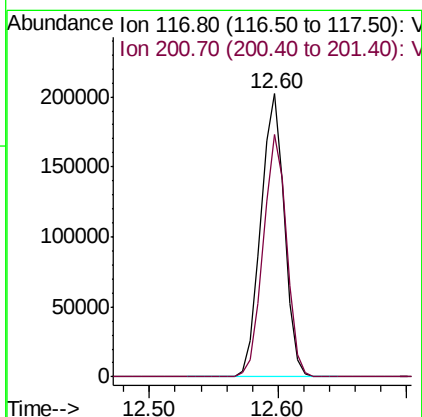
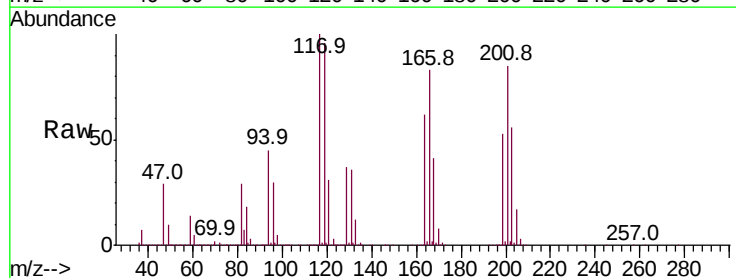
Manual Integrations
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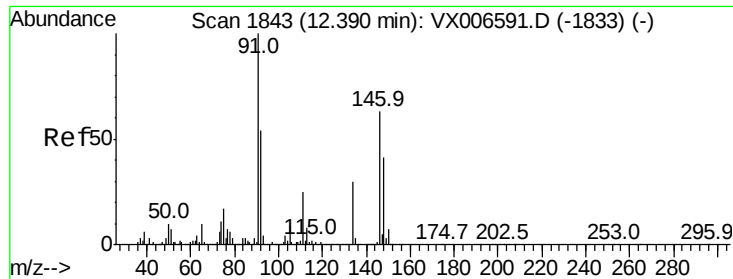
MMDadoda
12/21/2018 10:18:50 AM



#90
Hexachloroethane
Concen: 49.519 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	42.9	128.7





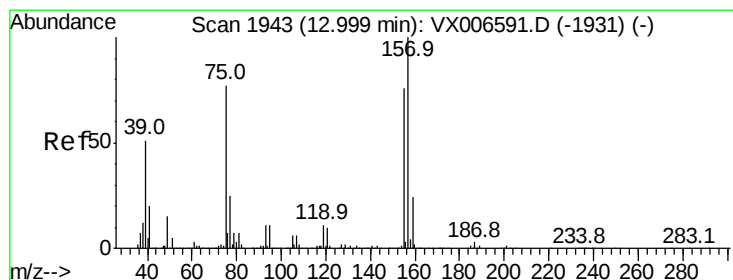
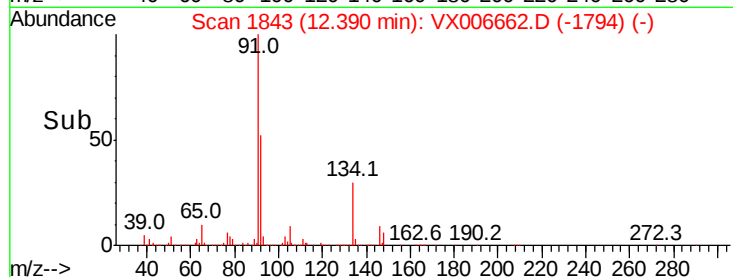
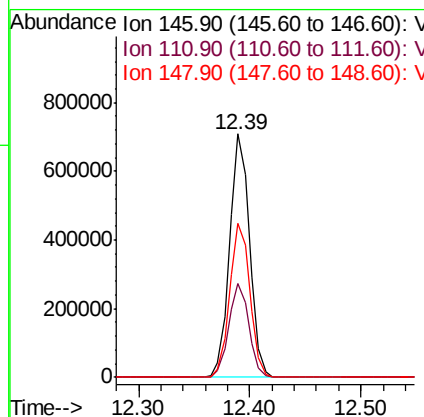
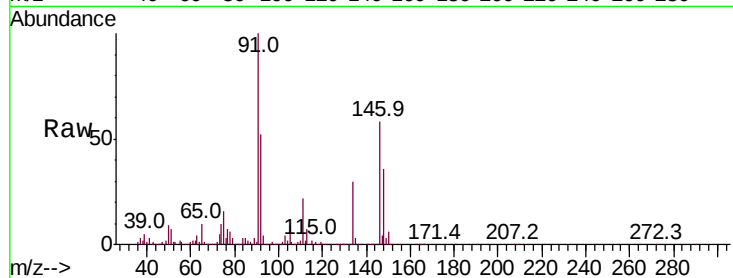
#91
 1,2-Dichlorobenzene
 Concen: 48.685 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006662.D
 Acq: 20 Dec 2018 09:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.2
148	64.0	32.3	96.9

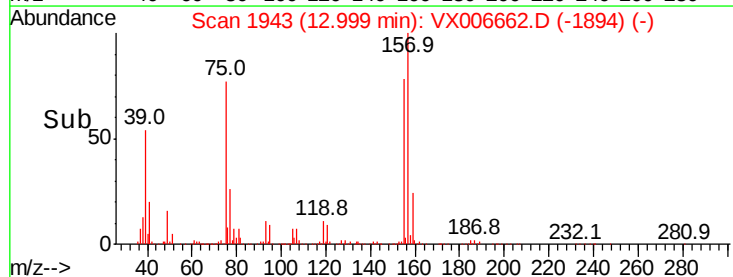
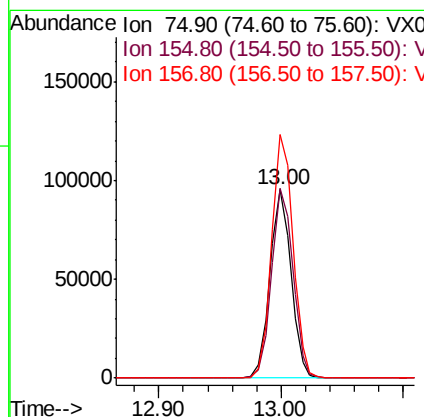
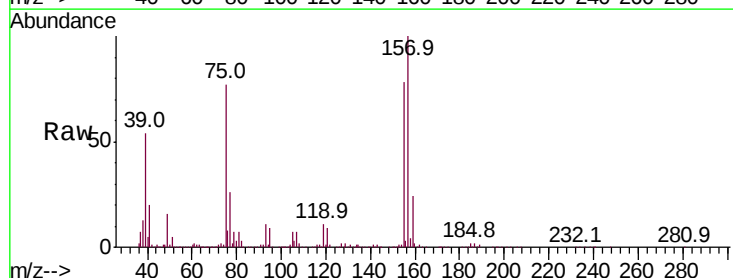
Manual Integrations
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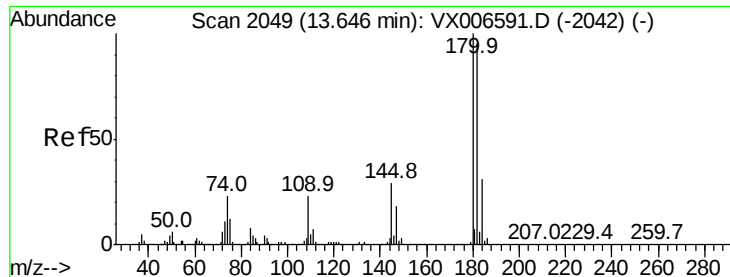
MMDadoda
 12/21/2018 10:18:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.524 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006662.D
 Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.9	50.6	151.8
157	130.3	64.6	193.8





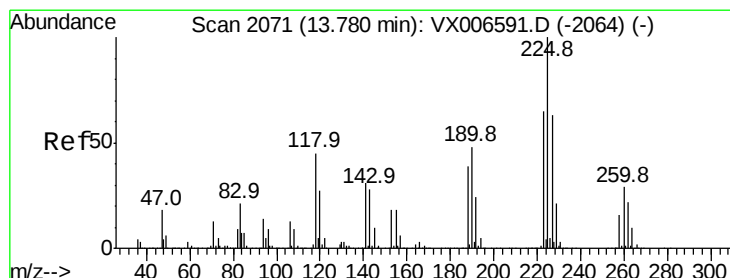
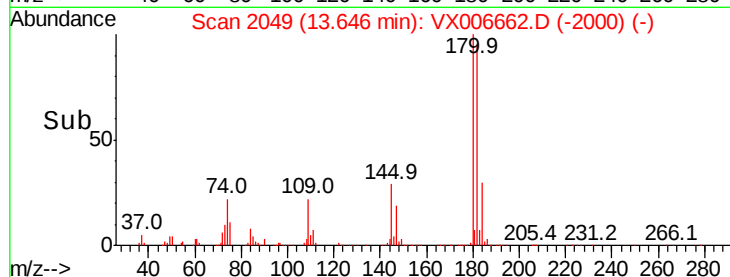
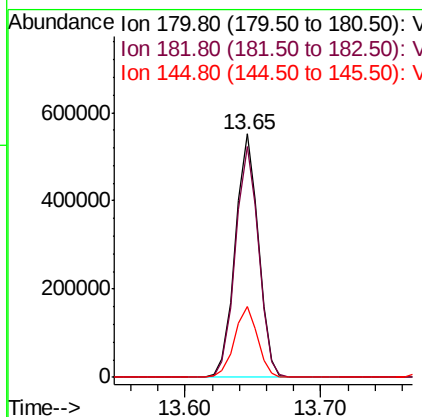
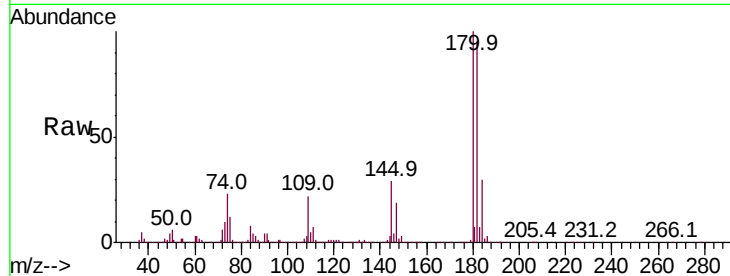
#93
 1,2,4-Trichlorobenzene
 Concen: 52.476 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006662.D
 Acq: 20 Dec 2018 09:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	651470		
182	95.3	47.3	142.0	
145	29.1	14.8	44.3	

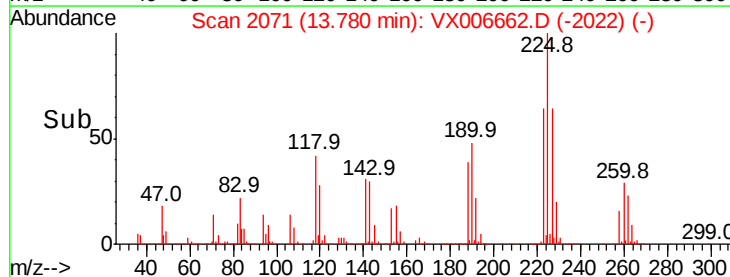
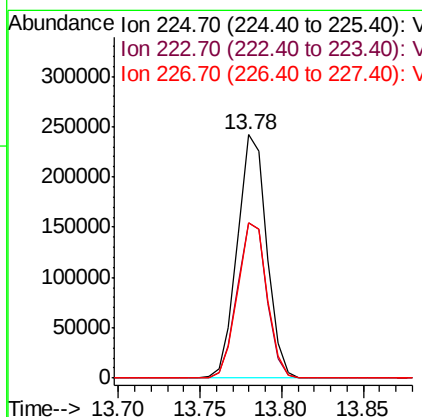
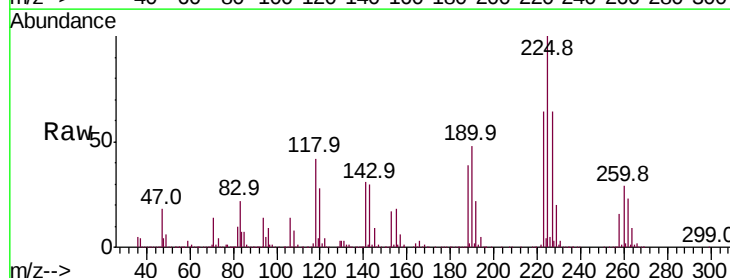
Manual Integrations
 APPROVED

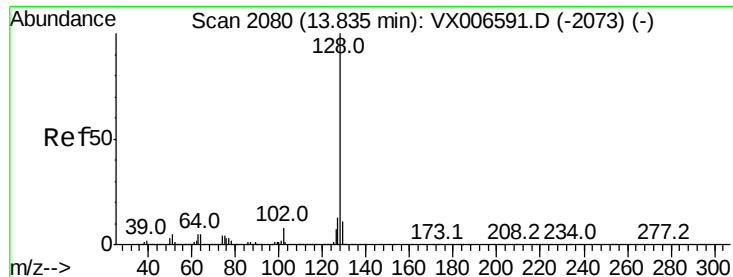
MMDadoda
 12/21/2018 10:18:50 AM



#94
 Hexachlorobutadiene
 Concen: 51.926 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006662.D
 Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	303850		
223	64.1	32.1	96.3	
227	64.4	32.3	96.8	





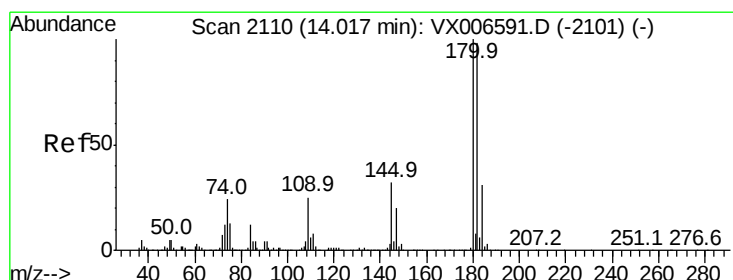
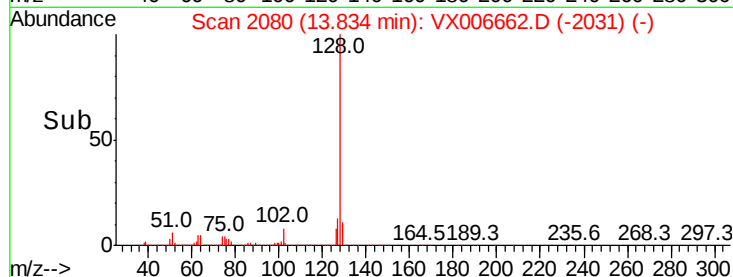
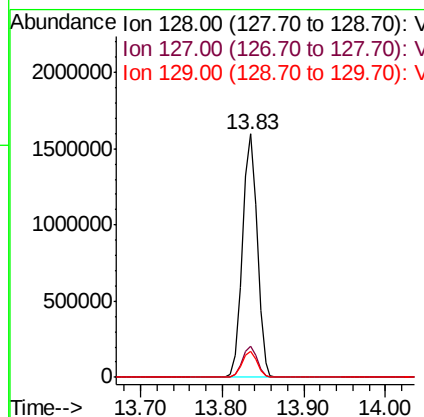
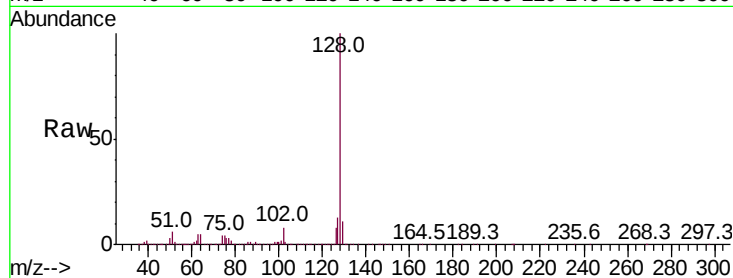
#95
Naphthalene
Concen: 49.639 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:18:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.387 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006662.D
Acq: 20 Dec 2018 09:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.5	145.5
145	31.0	16.0	47.9

