

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008162.D
 Acq On : 18 Mar 2019 12:07
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:37:06 AM

Quant Time: Mar 18 12:32:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 11:50:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	55508	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	315766	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	273875	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	138657	29.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.33%
60) 4-Bromofluorobenzene	11.13	95	139090	30.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.67%
63) Toluene-d8	8.71	98	394326	29.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	355917	146.858	ug/l 97
3) Chloromethane	1.32	50	423240	141.199	ug/l 96
4) Vinyl Chloride	1.41	62	434593	139.951	ug/l 97
5) Bromomethane	1.64	94	391214	190.559	ug/l 99
6) Chloroethane	1.70	64	285850	152.802	ug/l 94
7) Trichlorofluoromethane	1.92	101	539909	142.805	ug/l 98
8) Diethyl Ether	2.19	74	315074	144.457	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	2.38	101	395393	146.664	ug/l 92
10) 1,1-Dichloroethene	2.37	96	384634	150.609	ug/l # 82
11) Methyl Iodide	2.51	142	528036	175.053	ug/l 97
12) Methyl Acetate	2.78	43	637814	150.060	ug/l 94
13) Acrolein	2.29	56	443044	737.540	ug/l 97
14) Acrylonitrile	3.15	53	1365351	732.240	ug/l 99
15) Acetone	2.45	58	407616	619.730	ug/l 93
16) Carbon Disulfide	2.57	76	1239001	153.991	ug/l 100
17) Allyl chloride	2.73	41	866849	160.281	ug/l 92
18) Methylene Chloride	2.85	84	434364	144.618	ug/l 88
19) trans-1,2-Dichloroethene	3.17	96	409588	149.258	ug/l 90
20) Diisopropyl ether	3.86	45	1619223	148.840	ug/l # 96
21) 1,1-Dichloroethane	3.70	63	839430	150.157	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	468238	149.498	ug/l # 81
23) tert-Butyl Alcohol	3.07	59	517910	752.480	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	1396328	151.348	ug/l 98
25) Chloroform	5.21	83	775001	145.009	ug/l 97
26) Cyclohexane	5.58	56	803636	154.709	ug/l # 85
29) 1,1-Dichloropropene	5.80	75	614989	152.618	ug/l 93
30) 2-Butanone	4.68	43	2041342	669.835	ug/l 94
31) 2,2-Dichloropropane	4.59	77	636167	158.045	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	661175	153.126	ug/l 95
33) Carbon Tetrachloride	5.79	117	562006	159.389	ug/l 97
34) Benzene	6.14	78	1809397	147.440	ug/l # 96
35) Methacrylonitrile	5.05	41	415818	149.629	ug/l 93
36) 1,2-Dichloroethane	6.20	62	655041	145.098	ug/l 96
37) Trichloroethene	7.21	130	434533	150.376	ug/l 83
38) Methylcyclohexane	7.46	83	754940	155.246	ug/l 90
39) 1,2-Dichloropropane	7.51	63	498625	149.424	ug/l 99
40) Dibromomethane	7.66	93	300418	147.286	ug/l 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	602743	153.779	ug/l	99
42) Vinyl Acetate	3.82	43	7286968	760.578	ug/l	95
43) Ethyl Acetate	4.84	43	751847	144.109	ug/l #	83
44) Isopropyl Acetate	6.45	43	1210838	156.214	ug/l	98
45) 1,4-Dioxane	7.74	88	218362	2958.982	ug/l #	86
46) Methyl methacrylate	7.77	41	633076	153.851	ug/l	87
47) n-amyl Acetate	10.90	43	1069388	159.217	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	708111	170.207	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	763635	163.299	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	431434	146.974	ug/l	97
51) Ethyl methacrylate	9.18	69	730317	155.767	ug/l	92
52) 1,3-Dichloropropane	9.37	76	763517	142.955	ug/l	99
53) Dibromochloromethane	9.59	129	440762	157.265	ug/l	99
54) 1,2-Dibromoethane	9.67	107	452140	143.815	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	2716992	776.611	ug/l	95
56) Bromoform	10.86	173	327239	164.658	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	3796126	728.150	ug/l	97
59) 2-Hexanone	9.49	43	2973161	699.877	ug/l	97
61) Tetrachloroethene	9.34	164	397744	147.450	ug/l	97
62) Toluene	8.79	91	1873283	148.893	ug/l	99
64) Chlorobenzene	10.14	112	1111442	147.663	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	402798	155.840	ug/l	98
66) Ethyl Benzene	10.25	91	2038678	153.976	ug/l	96
67) m/p-Xylenes	10.36	106	1521404	310.841	ug/l	92
68) o-Xylene	10.70	106	729484	154.442	ug/l	91
69) Styrene	10.71	104	1212260	158.070	ug/l	96
70) Isopropylbenzene	11.02	105	1945039	152.643	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	675625	145.398	ug/l	97
72) 1,2,3-Trichloropropane	11.30	75	558601m	137.315	ug/l	
73) Bromobenzene	11.26	156	455583	151.533	ug/l	79
74) n-propylbenzene	11.36	91	2325906	156.524	ug/l	95
75) 2-Chlorotoluene	11.42	91	1341812	150.262	ug/l	91
76) 1,3,5-Trimethylbenzene	11.51	105	1638810	155.729	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	239589	180.285	ug/l	88
78) 4-Chlorotoluene	11.51	91	1593651	157.535	ug/l	91
79) tert-butylbenzene	12.07	119	1682610	159.761	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	1650318	155.886	ug/l	95
81) sec-Butylbenzene	11.94	105	1946864	156.000	ug/l	96
82) p-Isopropyltoluene	12.07	119	1682610	159.761	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	838783	154.912	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	839666	159.930	ug/l	96
85) n-Butylbenzene	12.39	91	1676943	175.630	ug/l	97
86) Hexachloroethane	12.60	117	304531	171.065	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	844771	156.903	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	160930	165.731	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.65	180	578834	171.918	ug/l	99
90) Hexachlorobutadiene	13.78	225	282409	162.854	ug/l	98
91) Naphthalene	13.83	128	1889938	170.961	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	571967	169.710	ug/l	98

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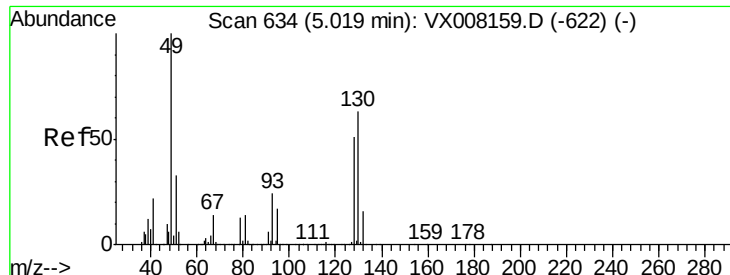
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

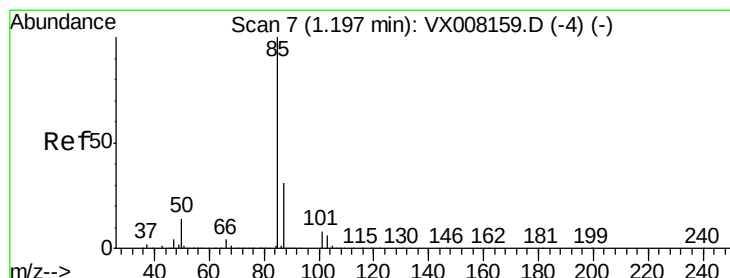
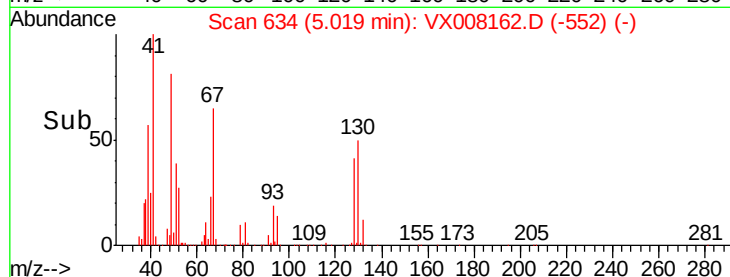
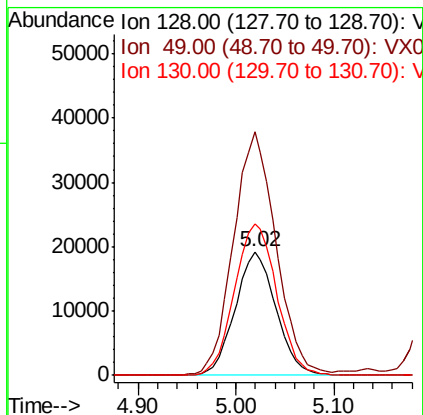
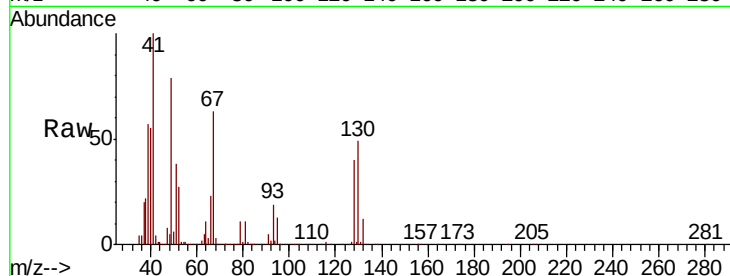
ClientSampleId :

VSTDICC150

Tot Ion:	128	Resp:	55508
Ion	Ratio	Lower	Upper
128	100		
49	206.0	0.0	350.8
130	127.6	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 146.858 ug/l

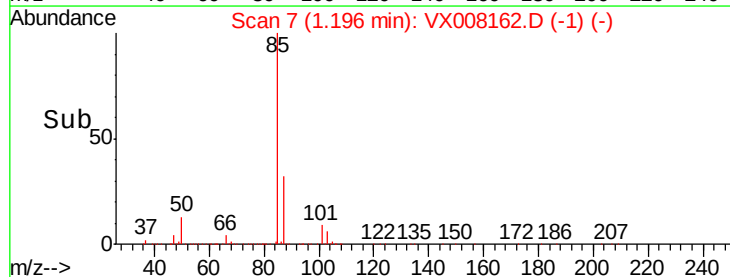
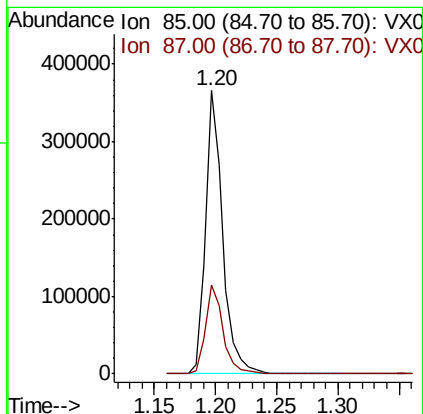
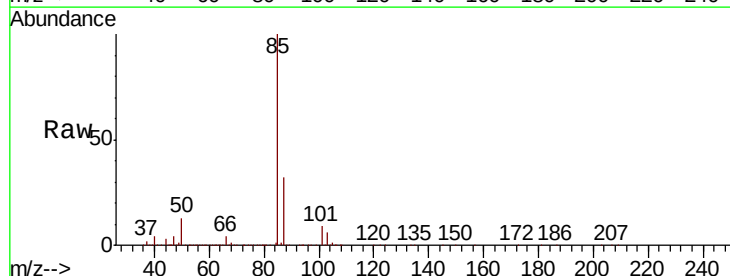
RT: 1.20 min Scan# 7

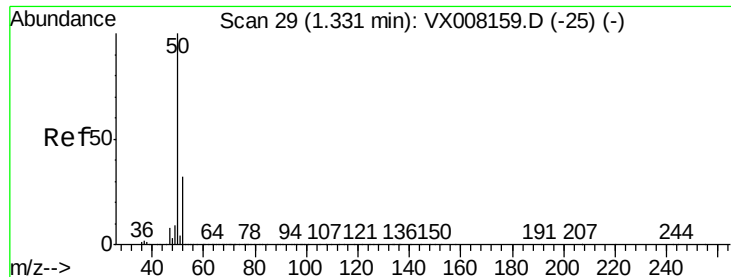
Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Tgt Ion:	85	Resp:	355917
Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.6	49.8





#3

Chloromethane

Concen: 141.199 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 423240

Ion Ratio Lower Upper

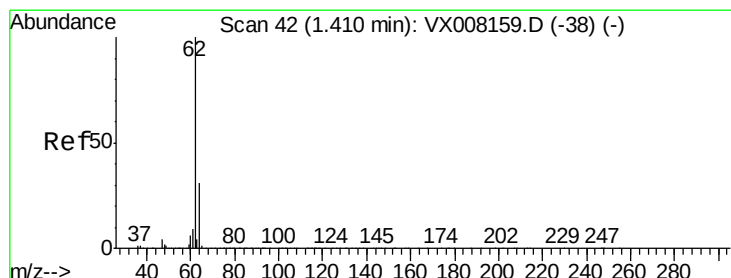
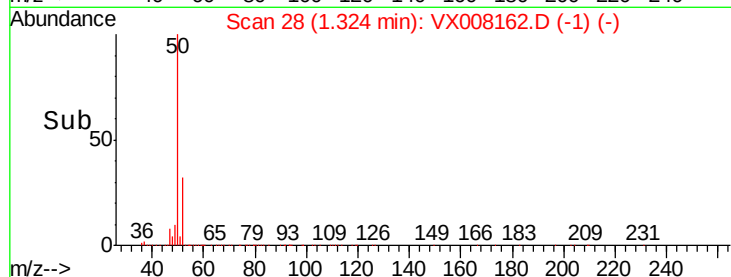
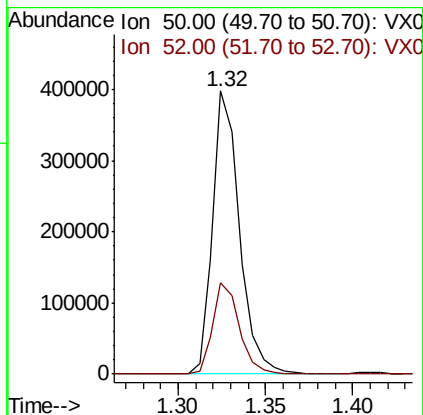
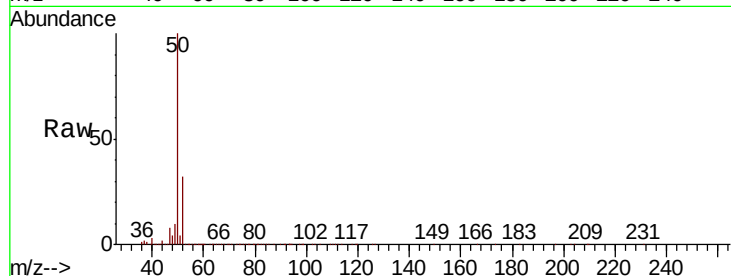
50 100

52 32.3 27.5 41.3

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#4

Vinyl Chloride

Concen: 139.951 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008162.D

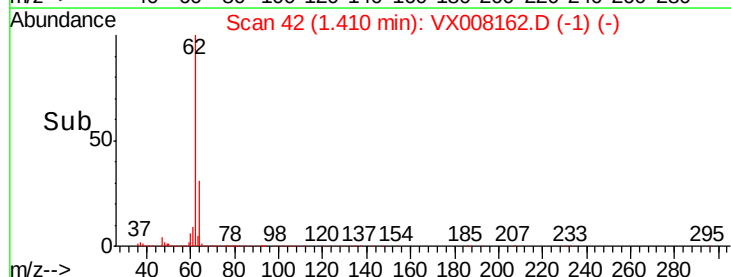
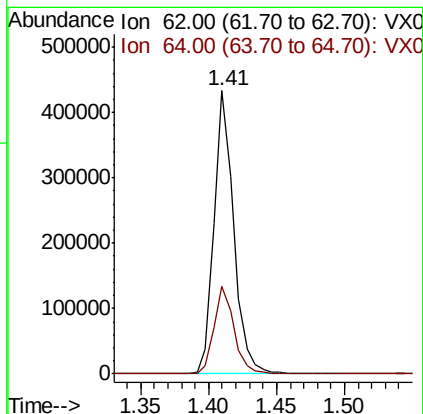
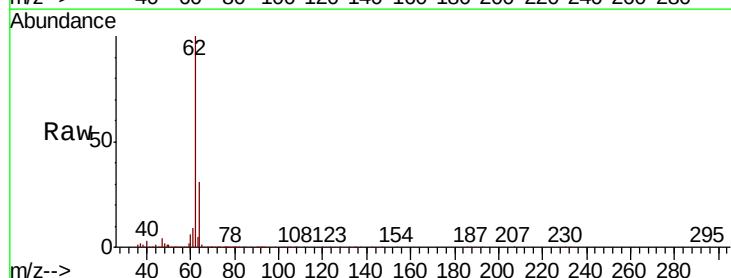
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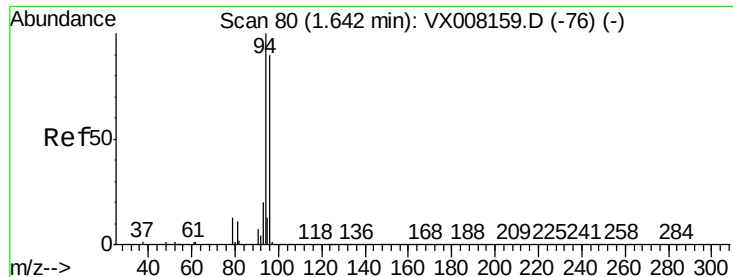
Tgt Ion: 62 Resp: 434593

Ion Ratio Lower Upper

62 100

64 31.0 25.9 38.9





#5

Bromomethane

Concen: 190.559 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 391214

Ion Ratio Lower Upper

94 100

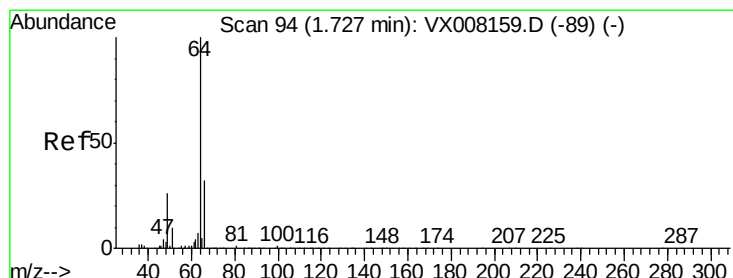
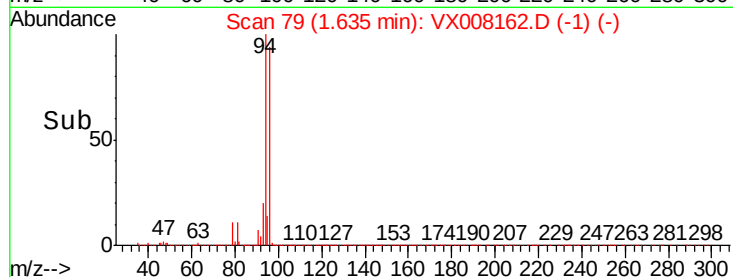
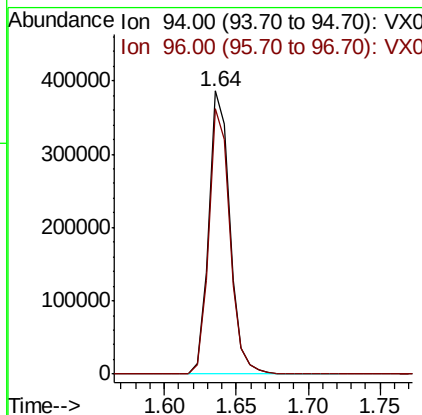
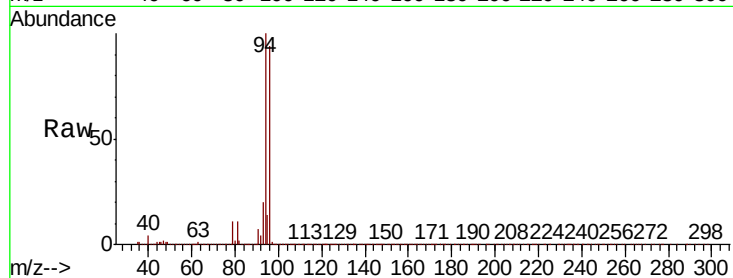
96 93.7 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 152.802 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008162.D

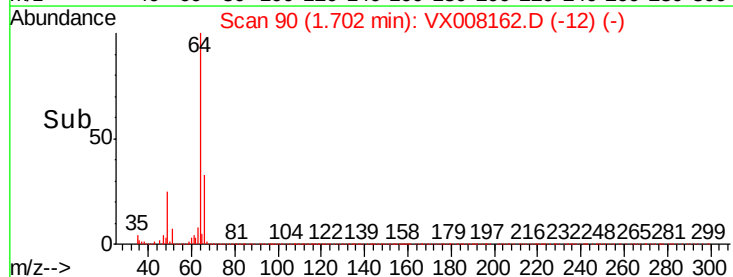
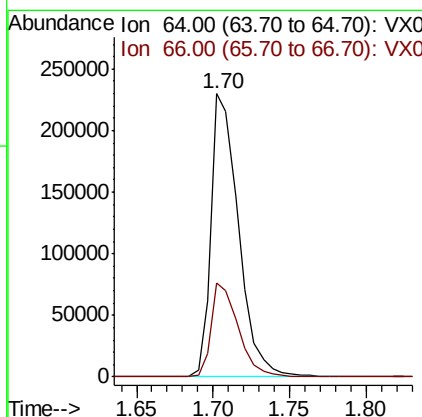
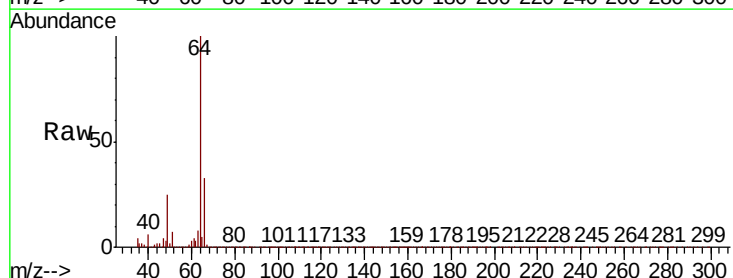
Acq: 18 Mar 2019 12:07

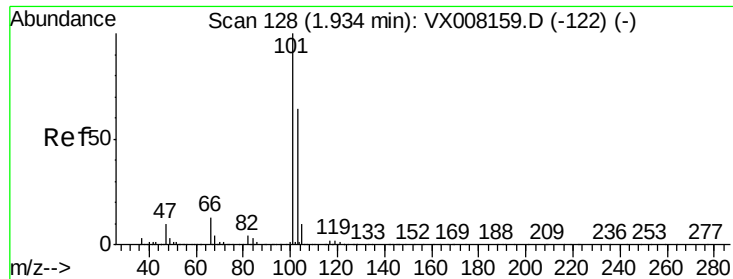
Tgt Ion: 64 Resp: 285850

Ion Ratio Lower Upper

64 100

66 33.2 23.9 35.9





#7

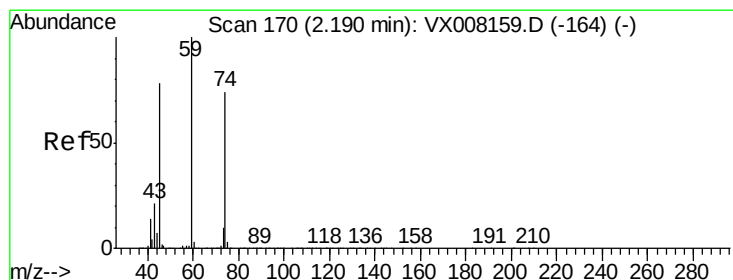
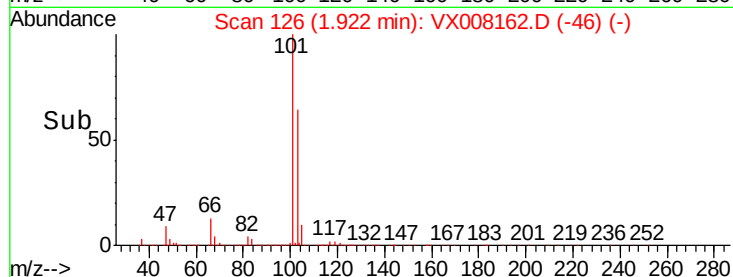
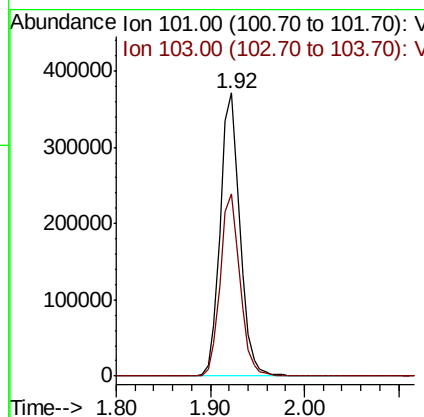
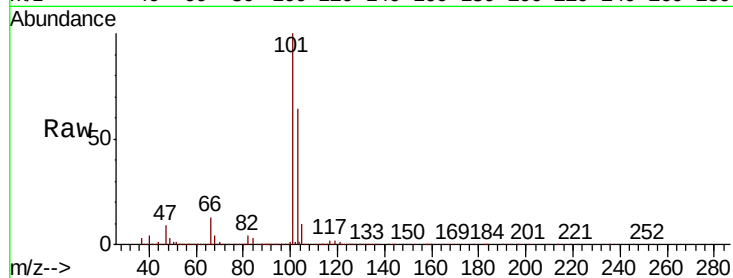
Trichlorofluoromethane
Concen: 142.805 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.4	75.6

Manual Integrations
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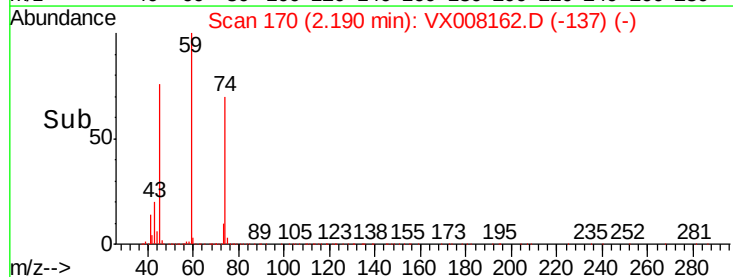
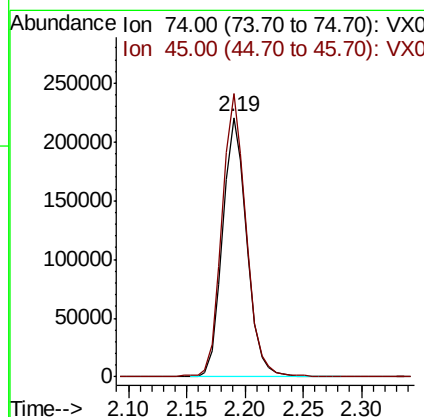
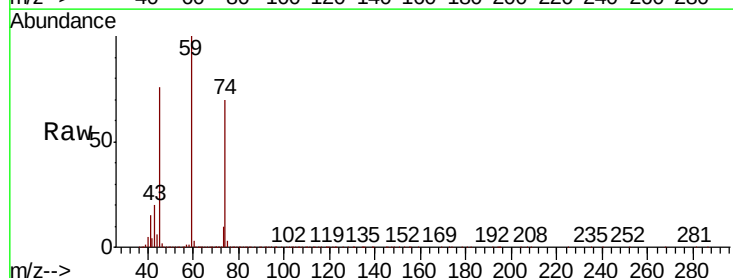
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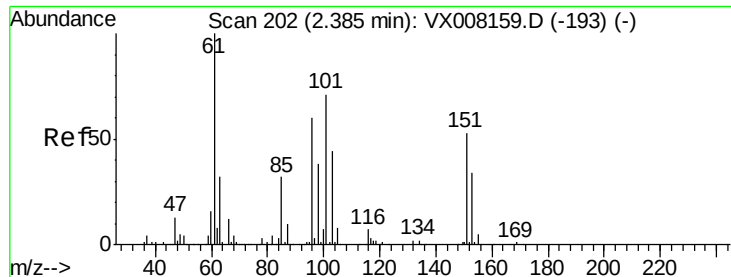


#8

Diethyl Ether
Concen: 144.457 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.7	18.6	167.8





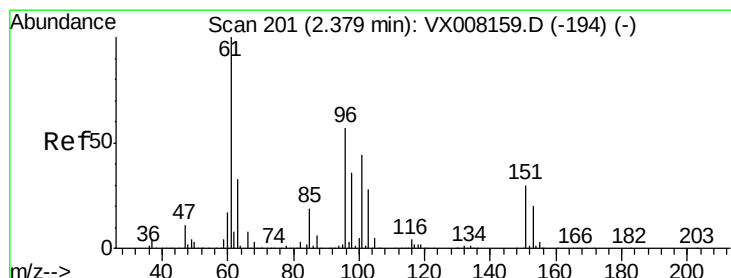
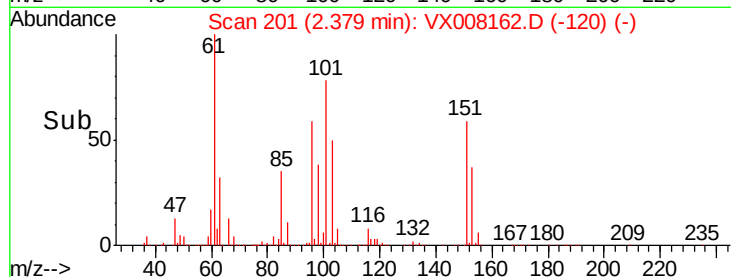
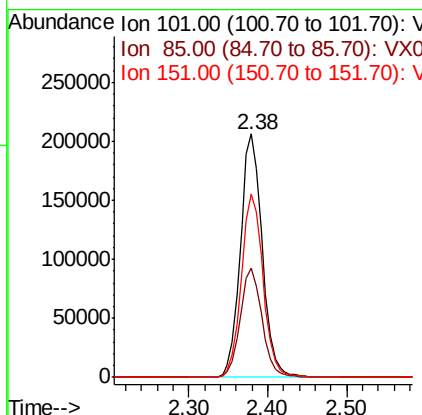
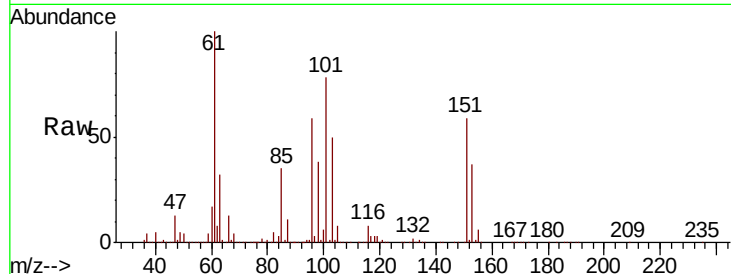
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 146.664 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.01 min
 Lab File: VX008162.D
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Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	45.0	0.0	86.8
151	75.3	0.0	169.2

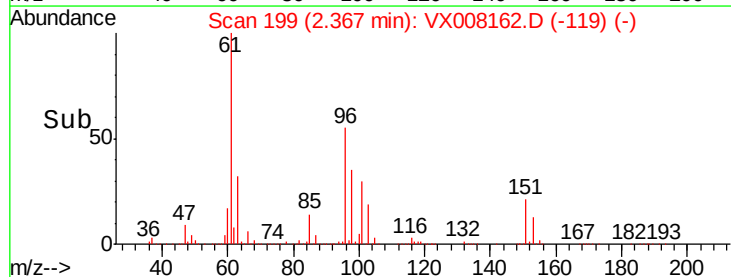
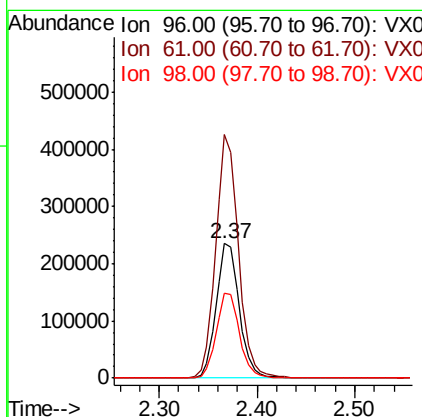
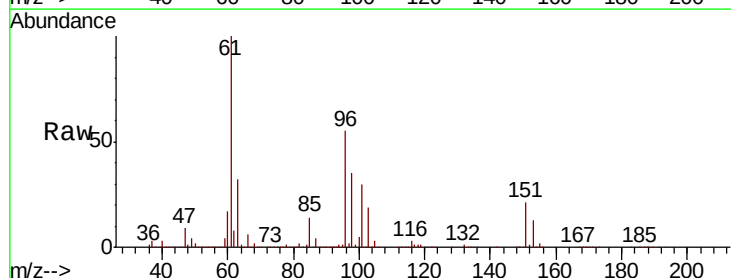
Manual Integrations
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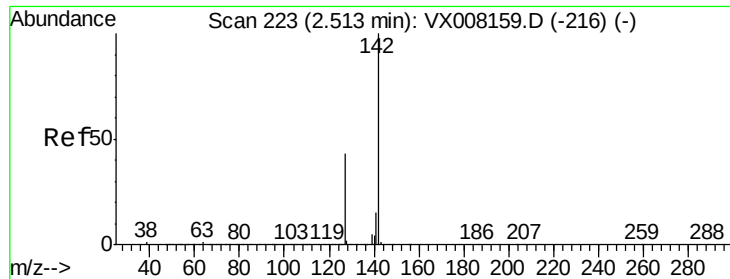
MMDadoda
 3/19/2019 9:37:06 AM



#10
 1,1-Dichloroethene
 Concen: 150.609 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	181.3	120.2	180.2#
98	63.7	49.0	73.4





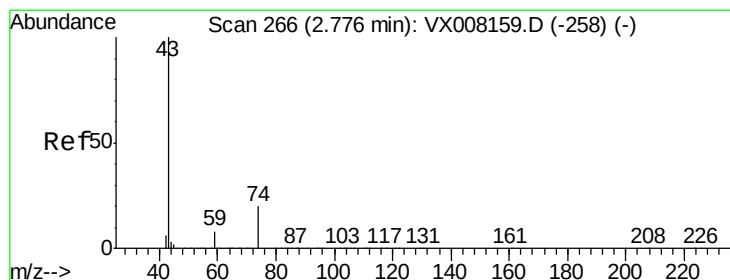
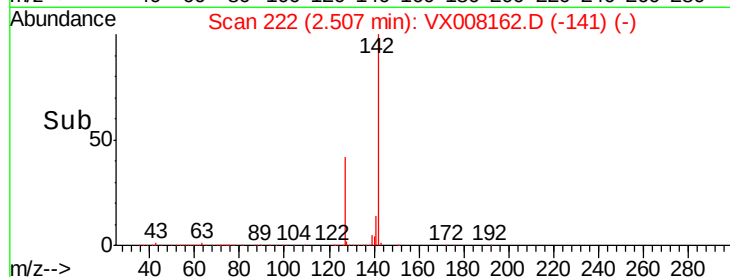
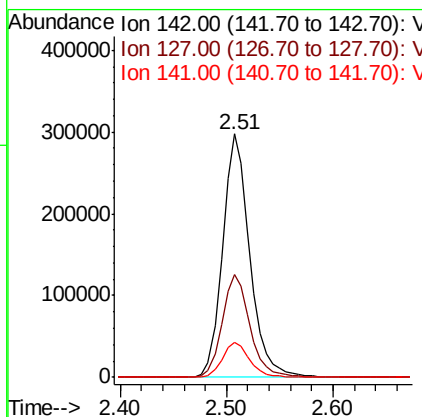
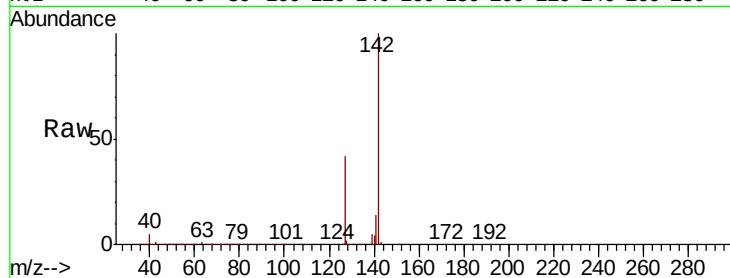
#11
Methyl Iodide
Concen: 175.053 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.4	22.1	66.5
141	14.2	7.4	22.3

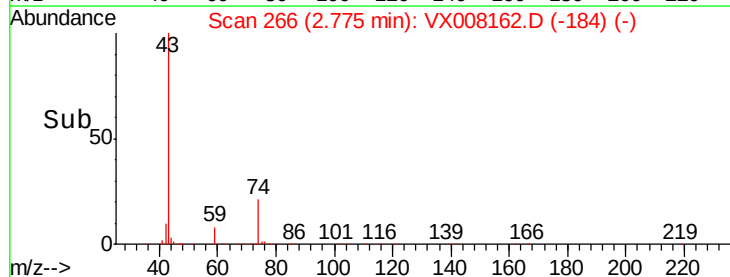
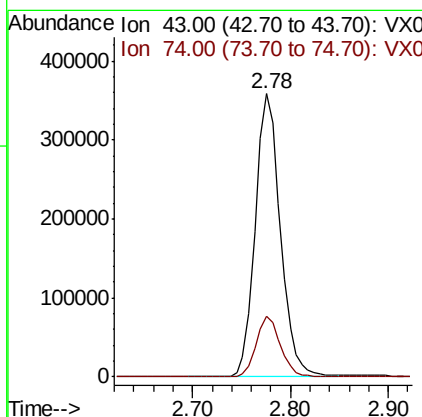
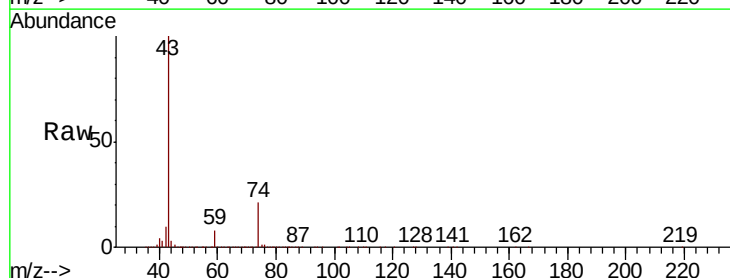
Manual Integrations
APPROVED

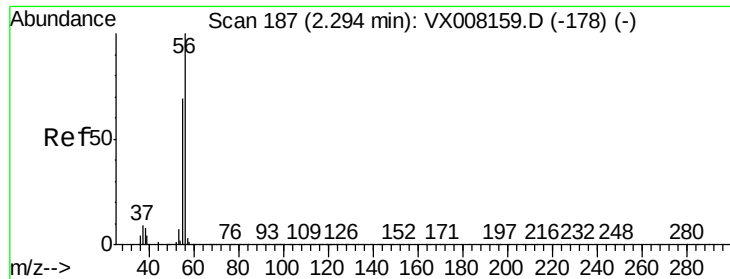
MMDadoda
3/19/2019 9:37:06 AM



#12
Methyl Acetate
Concen: 150.060 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	19.4	29.0





#13

Acrolein

Concen: 737.540 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 443044

Ion Ratio Lower Upper

56 100

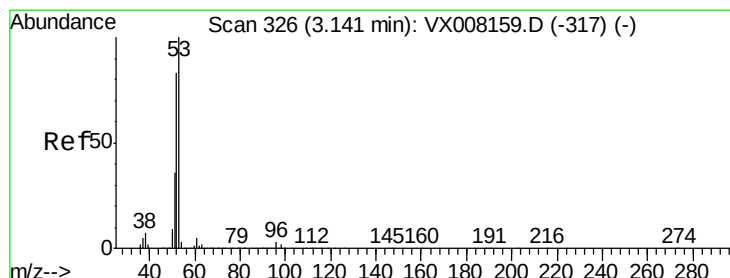
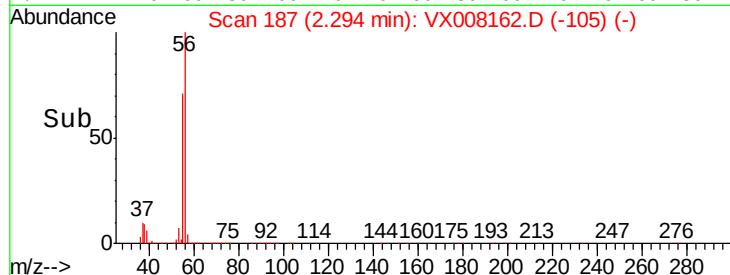
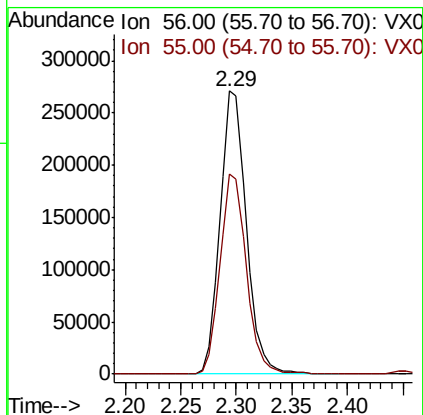
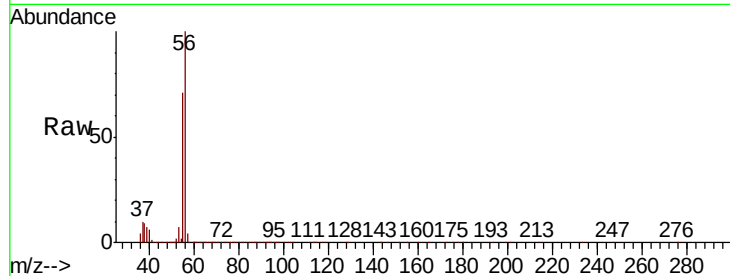
55 70.3 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 732.240 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

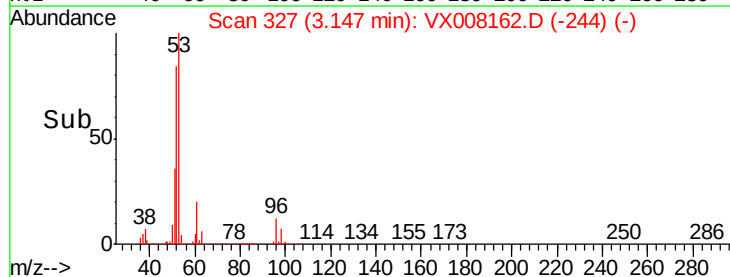
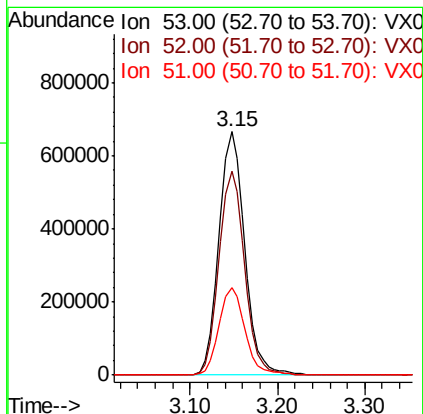
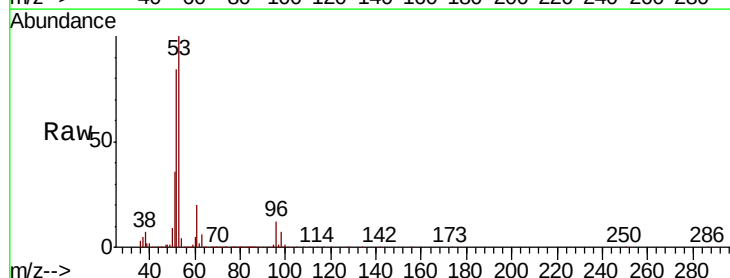
Tgt Ion: 53 Resp: 1365351

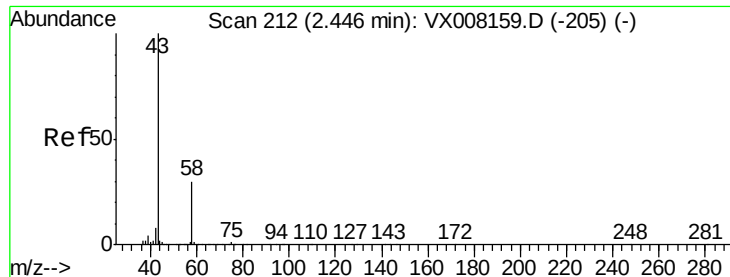
Ion Ratio Lower Upper

53 100

52 83.3 41.3 124.1

51 36.2 17.5 52.6





#15

Acetone

Concen: 619.730 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008162.D

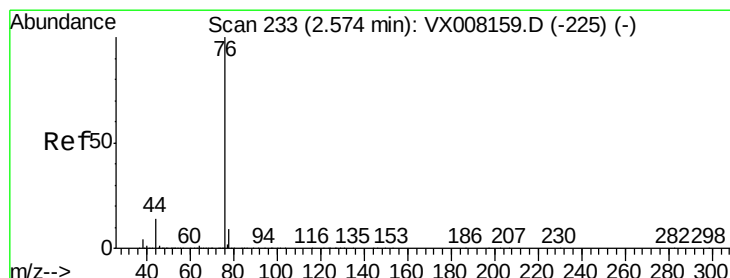
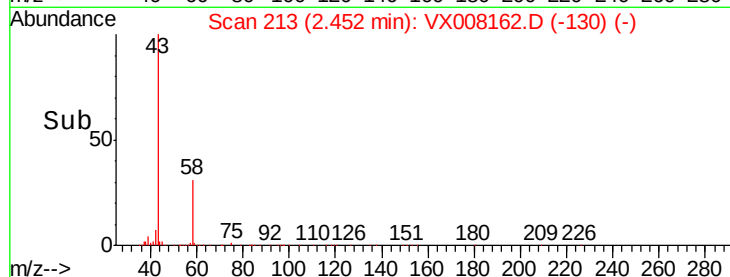
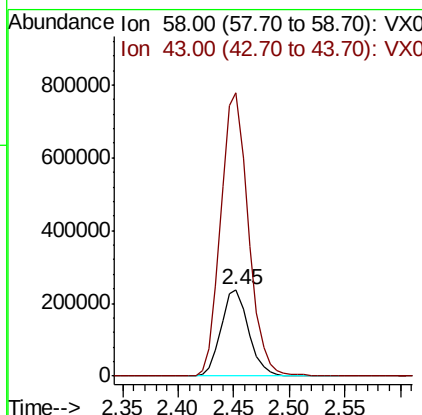
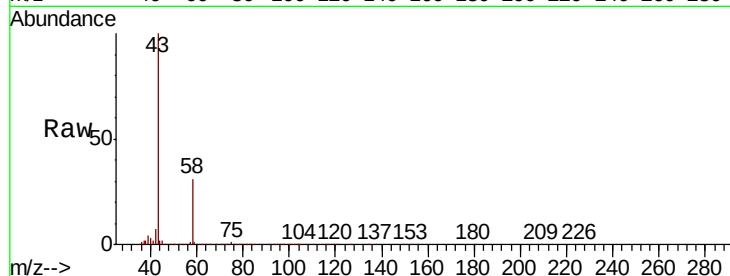
Acq: 18 Mar 2019 12:07

Tot Ion	58	Ratio	Lower	Upper
58	100			
43	326.3	249.8	374.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
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#16

Carbon Disulfide

Concen: 153.991 ug/l

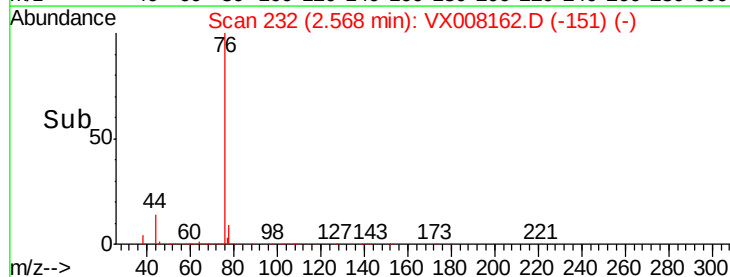
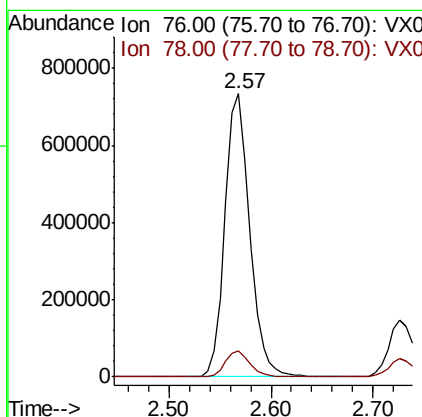
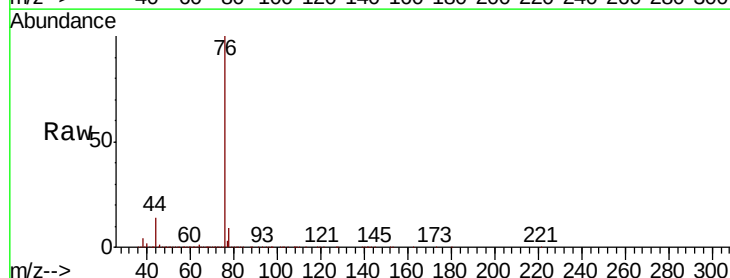
RT: 2.57 min Scan# 232

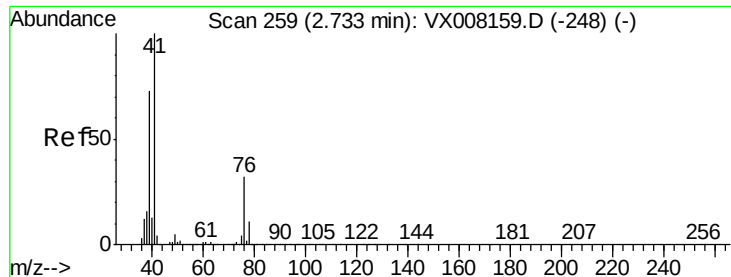
Delta R.T. -0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Tgt Ion	76	Ratio	Lower	Upper
76	100			
78	9.4	7.5	11.3	





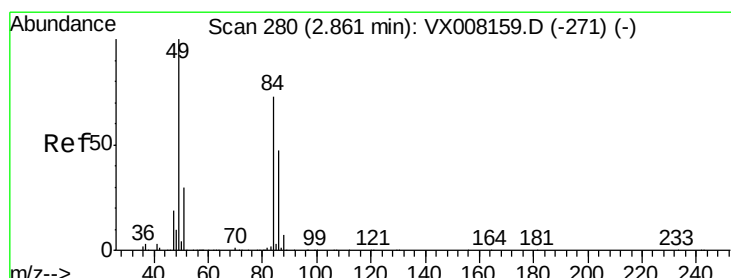
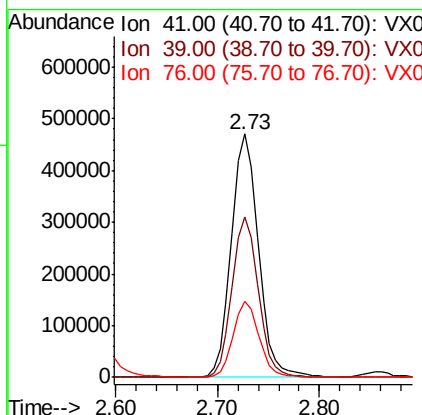
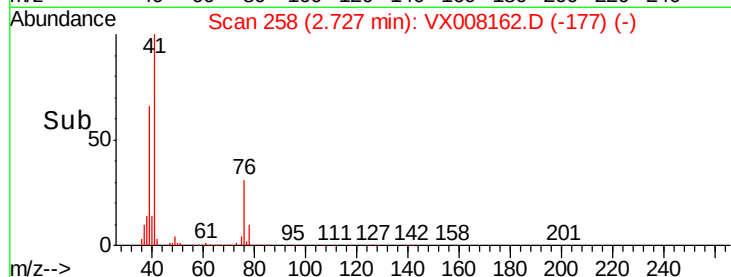
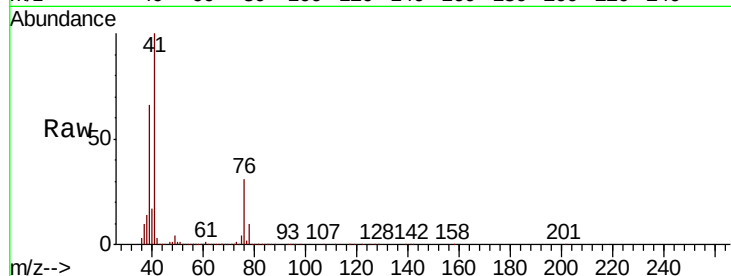
#17
Allvl chloride
Concen: 160.281 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.0	35.8	107.4
76	31.0	18.3	54.9

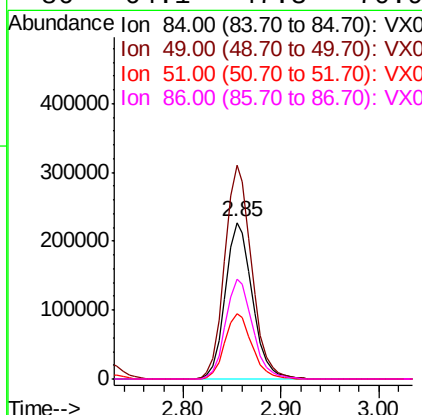
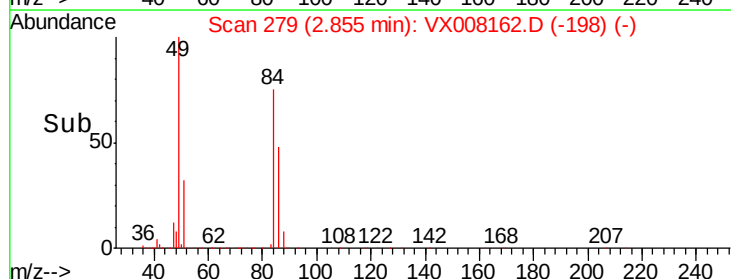
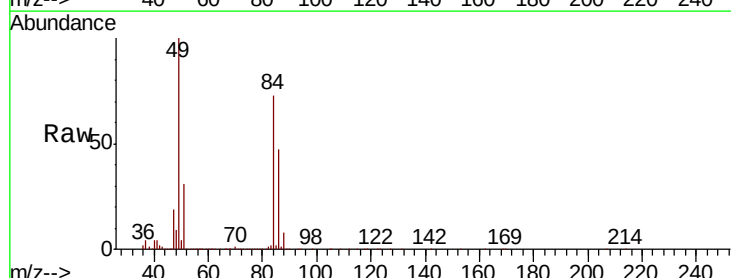
Manual Integrations
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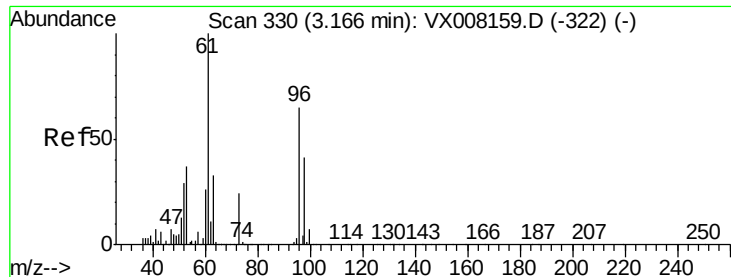
MMDadoda
3/19/2019 9:37:06 AM



#18
Methylene Chloride
Concen: 144.618 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.5	96.1	144.1
51	41.9	29.1	43.7
86	64.1	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 149.258 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

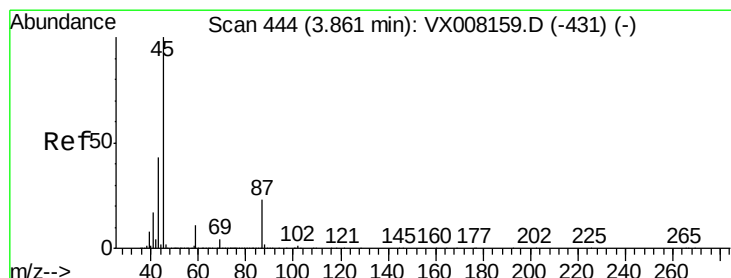
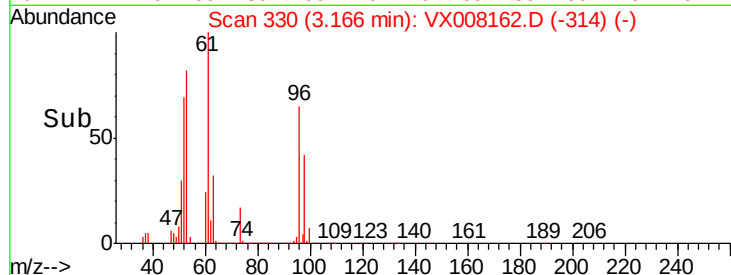
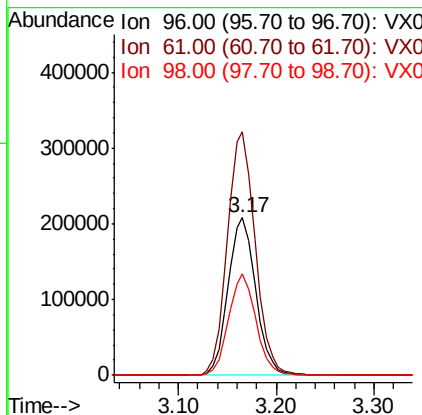
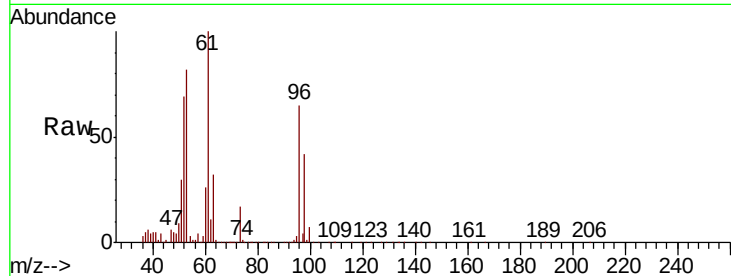
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	409588
Ion	Ratio	Lower	Upper
96	100		
61	154.6	109.9	164.9
98	64.3	50.4	75.6

Manual Integrations
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#20

Diisopropyl ether

Concen: 148.840 ug/l

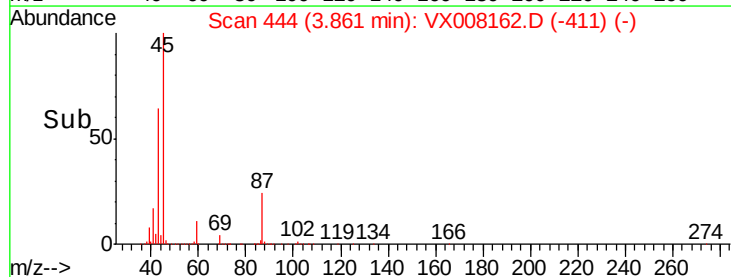
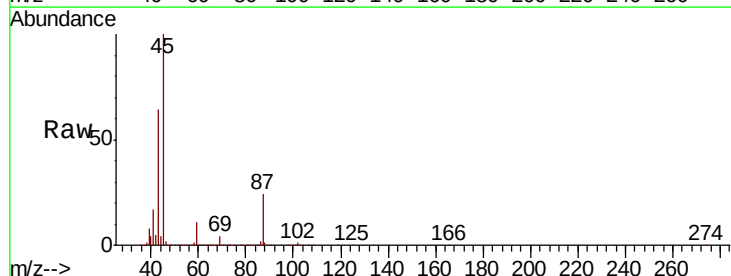
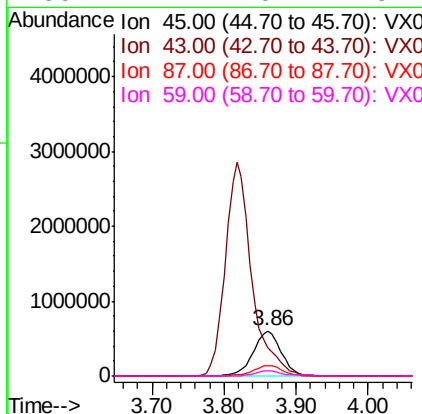
RT: 3.86 min Scan# 444

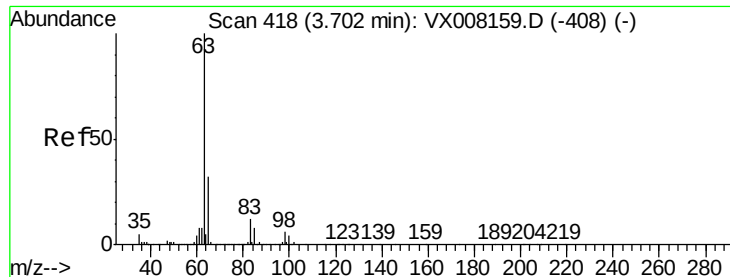
Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Tgt Ion:	45	Resp:	1619223
Ion	Ratio	Lower	Upper
45	100		
43	63.6	50.6	76.0
87	24.0	24.5	36.7#
59	11.2	10.2	15.2





#21

1,1-Dichloroethane

Concen: 150.157 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

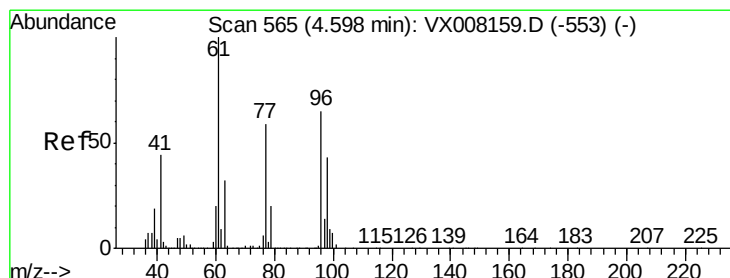
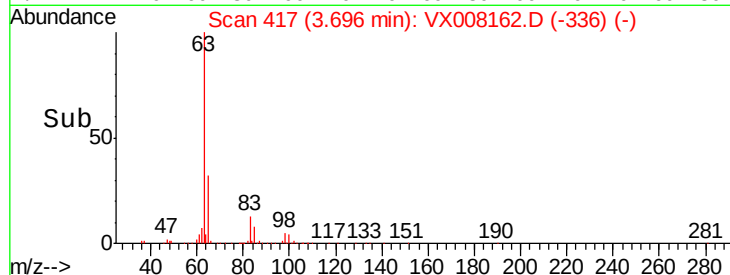
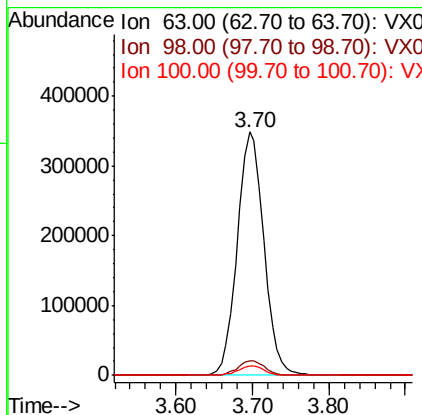
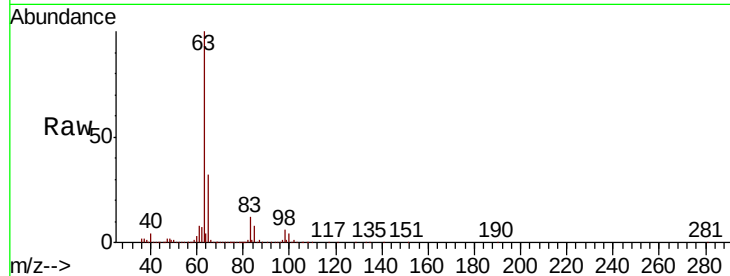
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
63	100	839430		
98	6.2		3.8	11.4
100	3.9		2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 149.498 ug/l

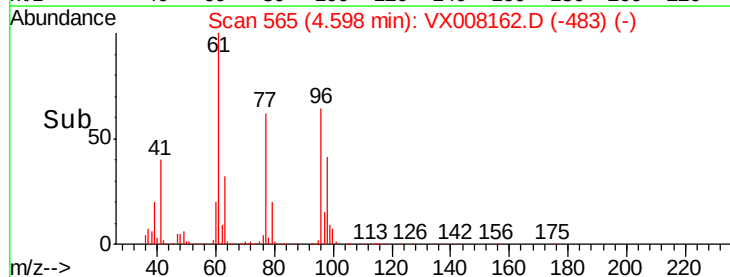
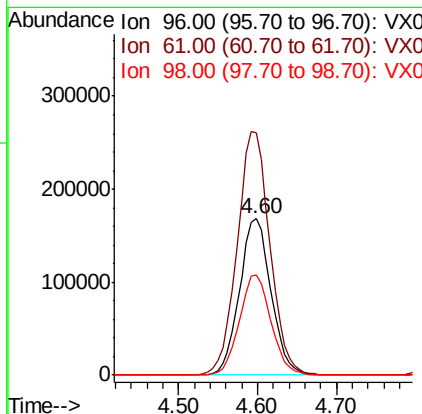
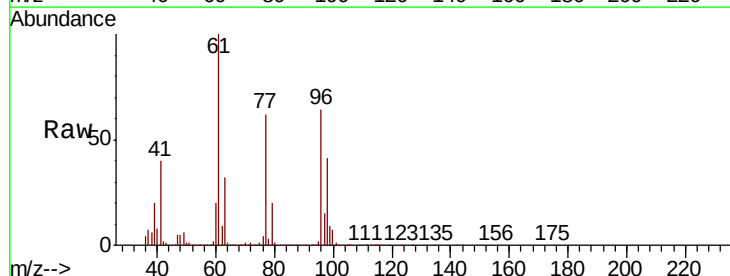
RT: 4.60 min Scan# 565

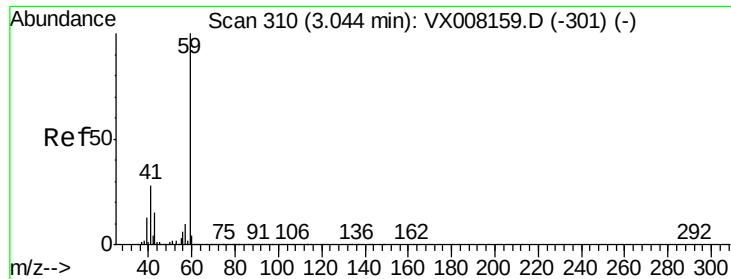
Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	468238		
61	161.2		103.5	155.3#
98	64.0		52.1	78.1





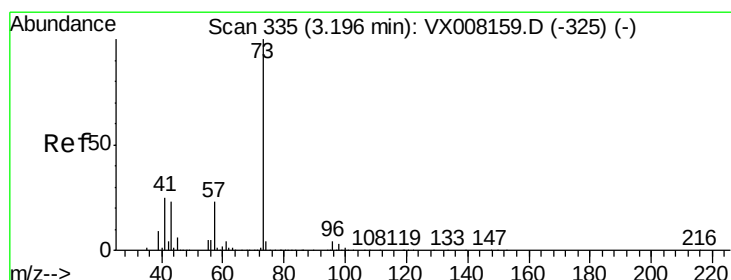
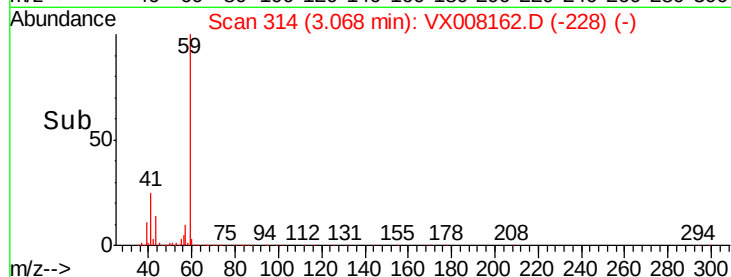
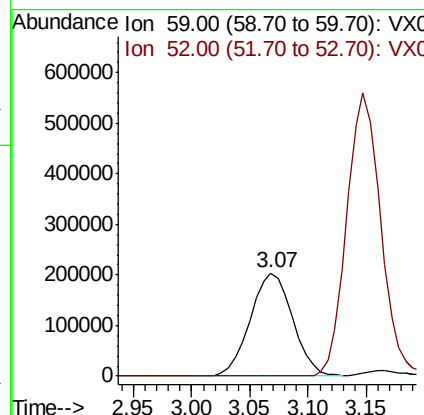
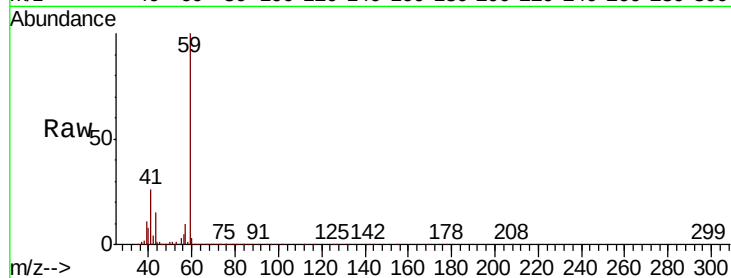
#23
 tert-Butyl Alcohol
 Concen: 752.480 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.02 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

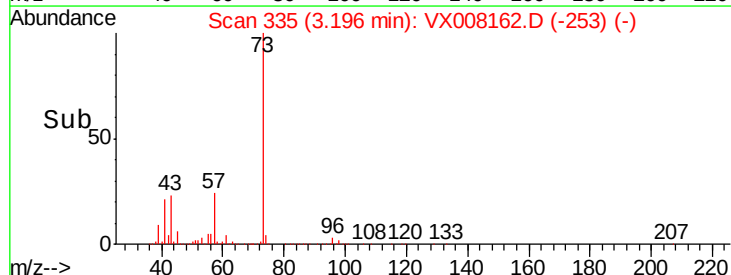
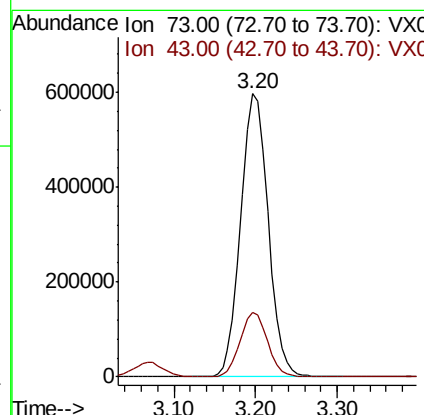
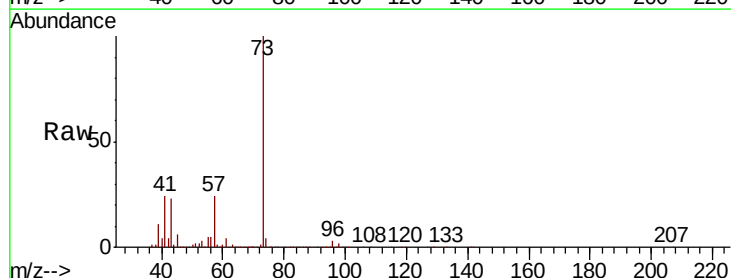
Manual Integrations
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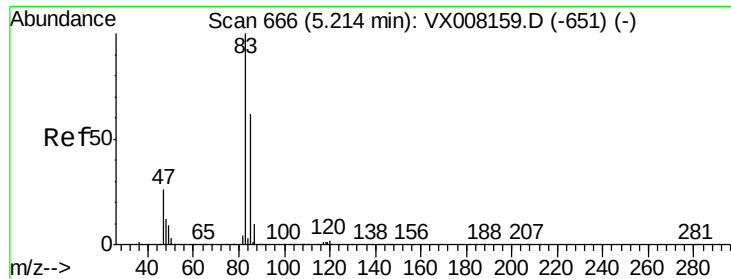
MMDadoda
 3/19/2019 9:37:06 AM



#24
 Methyl tert-Butyl Ether
 Concen: 151.348 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.4	17.1	25.7





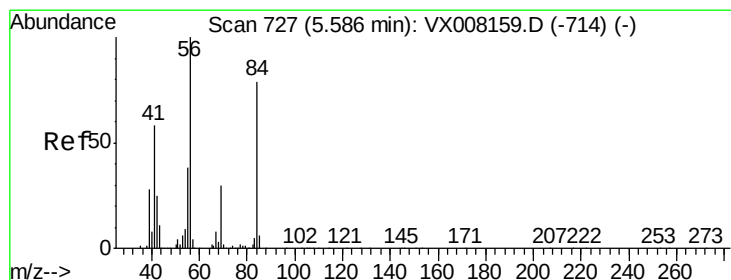
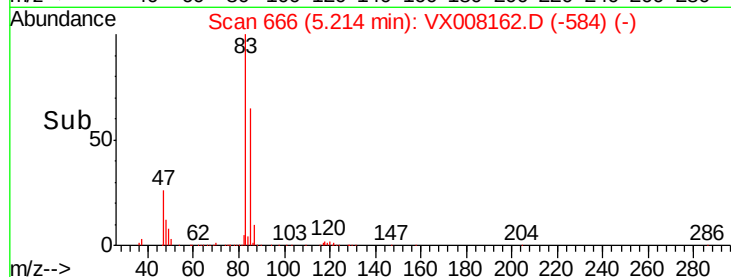
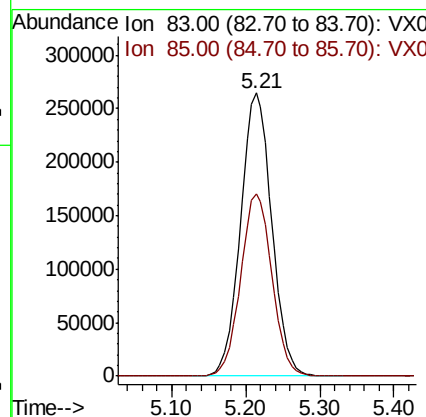
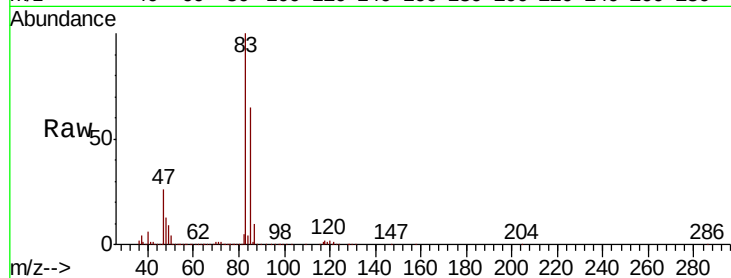
#25
Chloroform
Concen: 145.009 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	83	Resp	775001
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	53.8	80.6

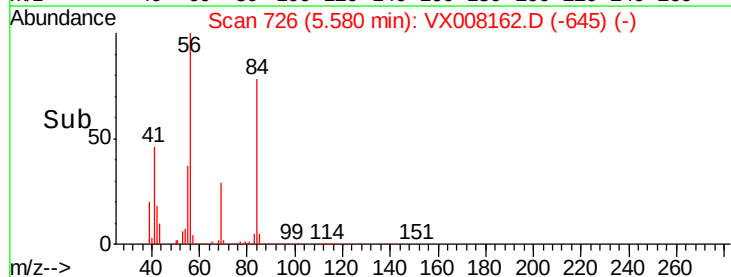
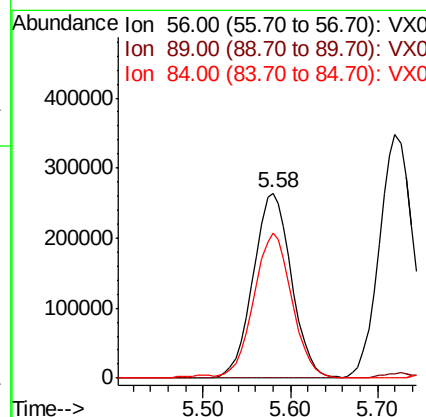
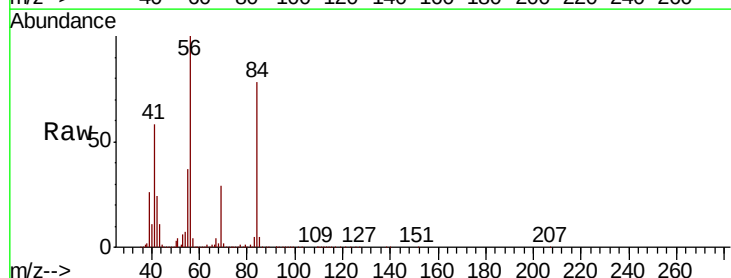
Manual Integrations
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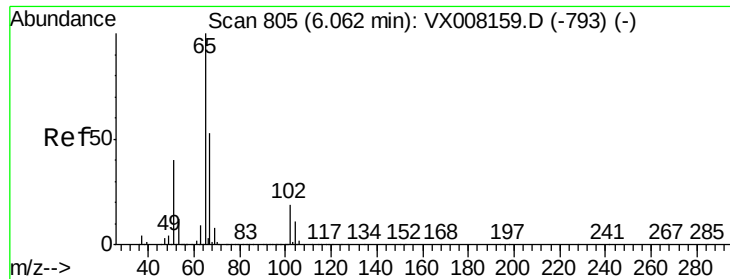
MMDadoda
3/19/2019 9:37:06 AM



#26
Cyclohexane
Concen: 154.709 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	56	Resp	803636
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0#
84	78.0	73.9	110.9





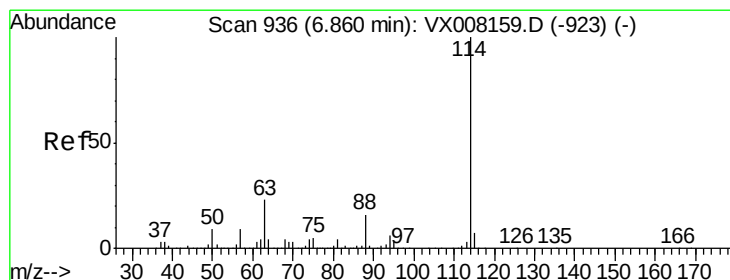
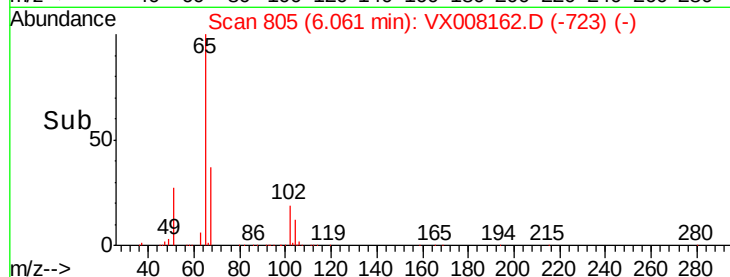
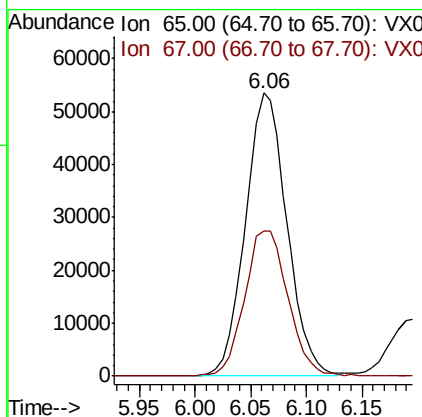
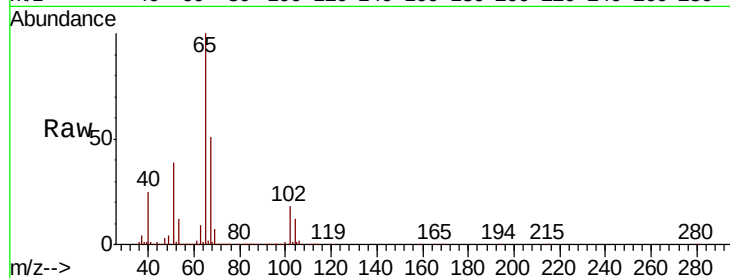
#27
 1,2-Dichloroethane-d4
 Concen: 29.203 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	42.9	64.3

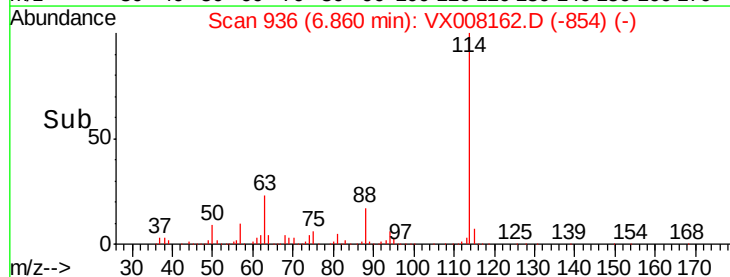
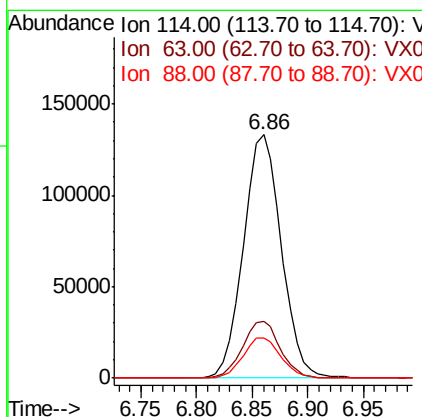
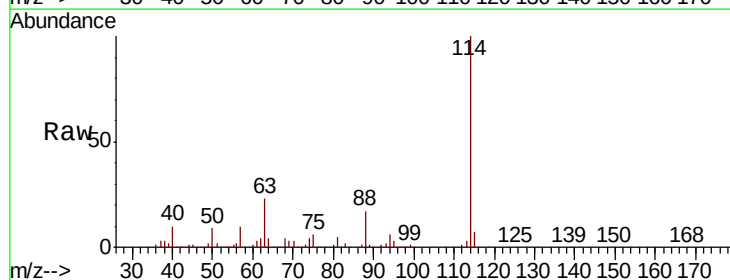
Manual Integrations
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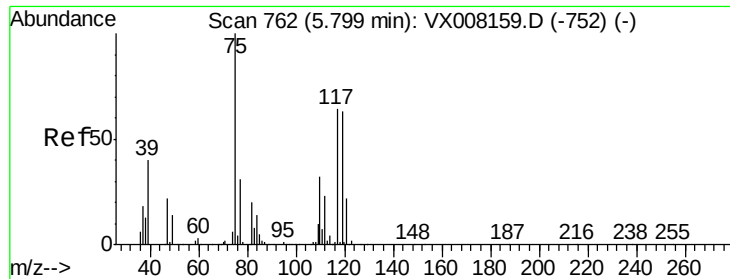
MMDadoda
 3/19/2019 9:37:06 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	14.2	21.4#
88	16.7	11.9	17.9





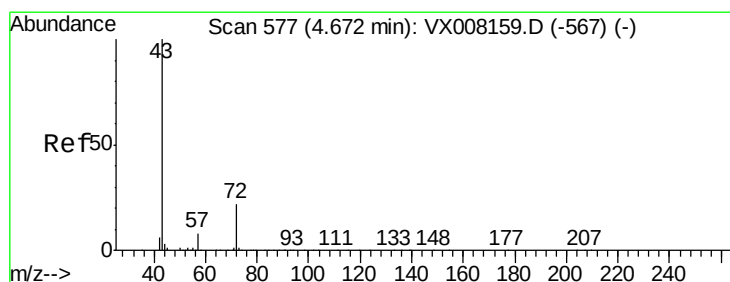
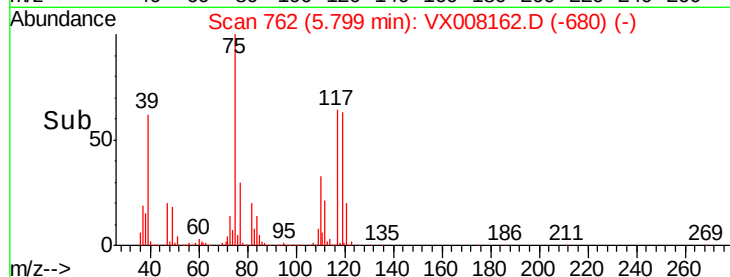
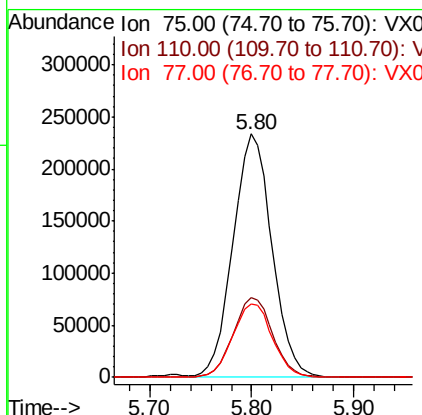
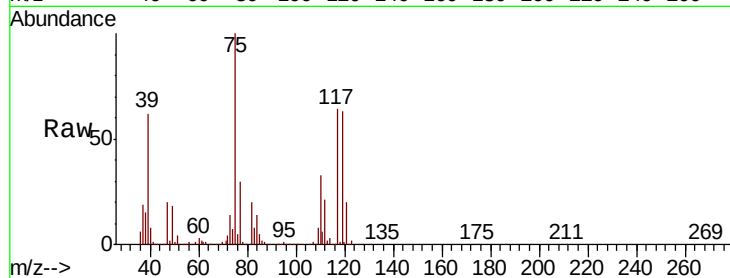
#29
 1,1-Dichloropropene
 Concen: 152.618 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	0.0	80.8
77	30.9	0.0	62.4

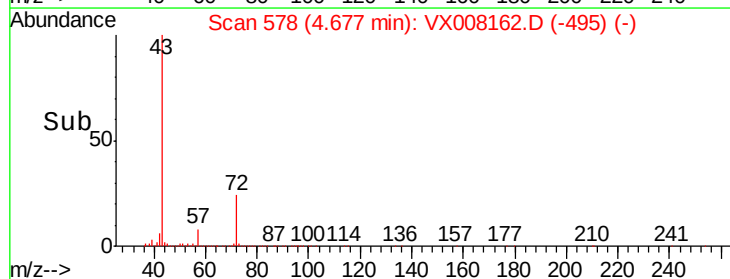
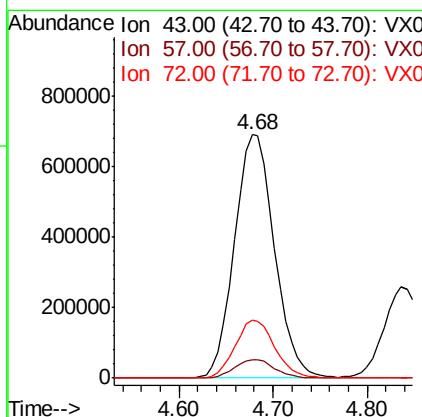
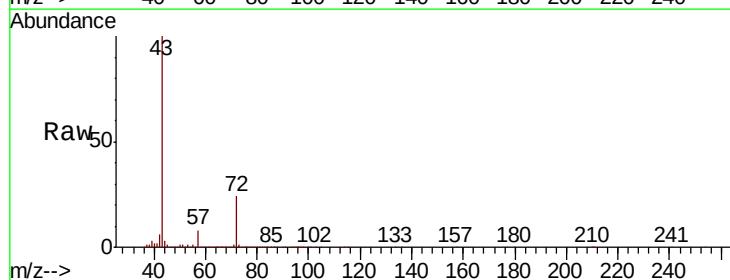
Manual Integrations
 APPROVED

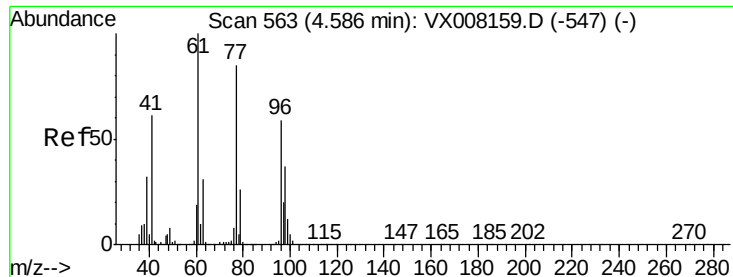
MMDadoda
 3/19/2019 9:37:06 AM



#30
 2-Butanone
 Concen: 669.835 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	7.0	10.6
72	23.6	21.5	32.3





#31

2,2-Dichloropropane

Concen: 158.045 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 636167

Ion Ratio Lower Upper

77 100

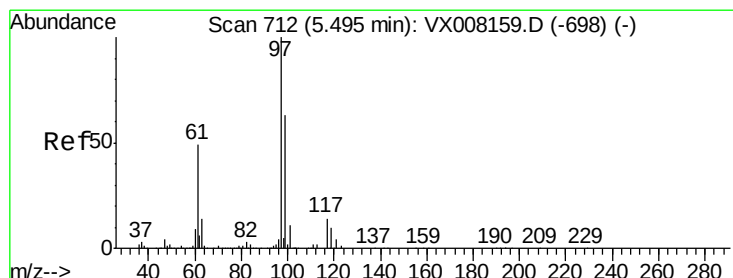
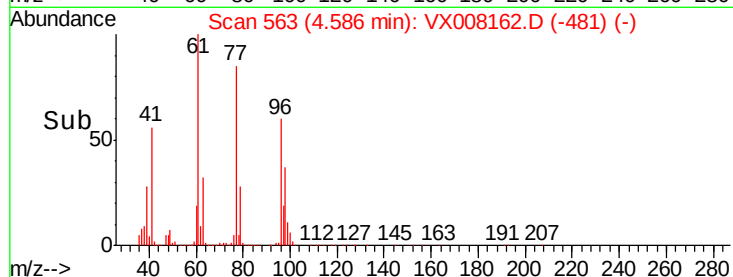
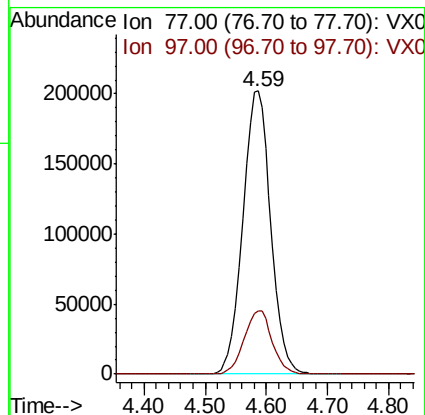
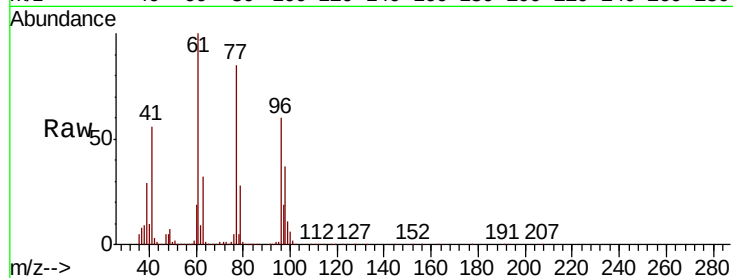
97 22.6 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 153.126 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

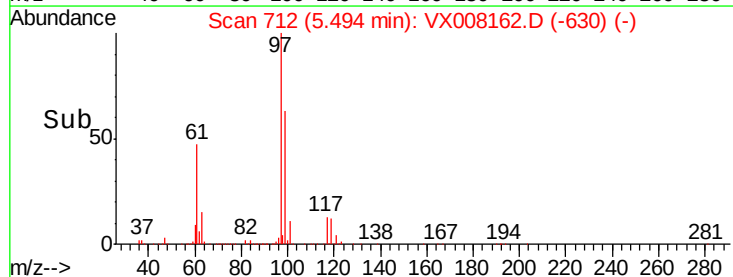
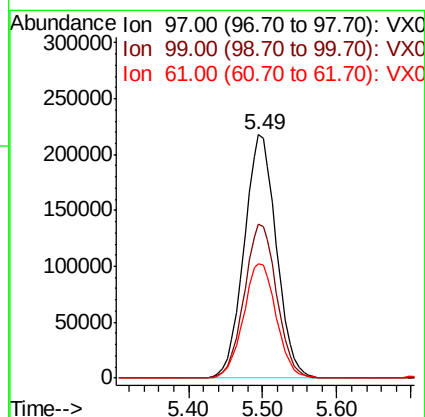
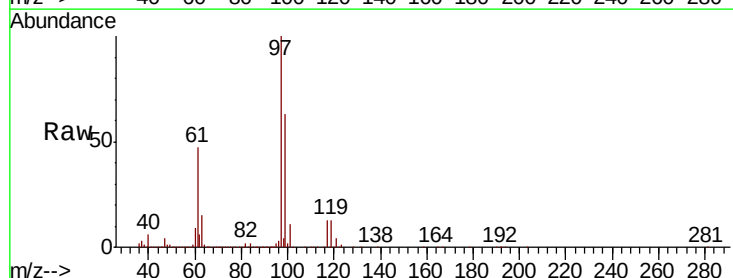
Tgt Ion: 97 Resp: 661175

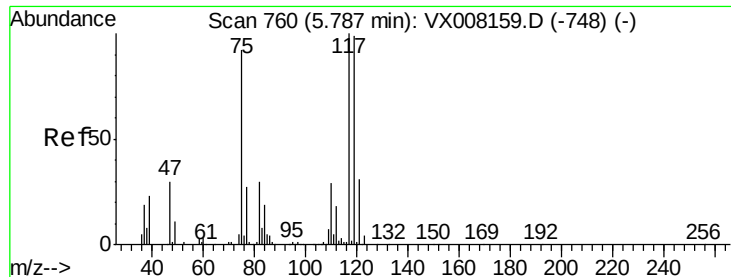
Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

61 47.8 32.8 49.2





#33

Carbon Tetrachloride

Concen: 159.389 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

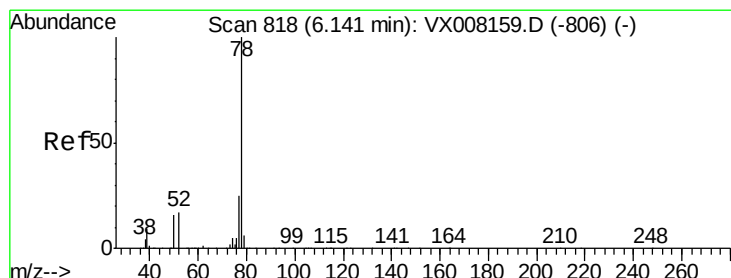
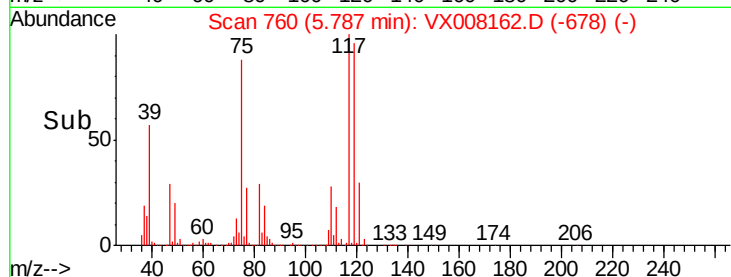
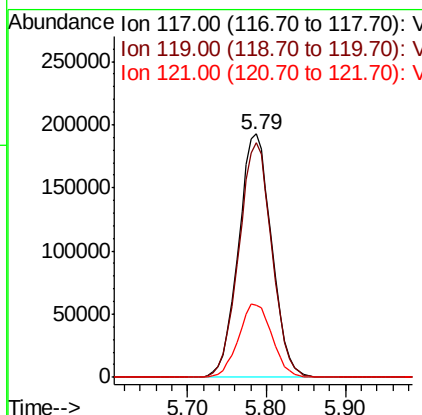
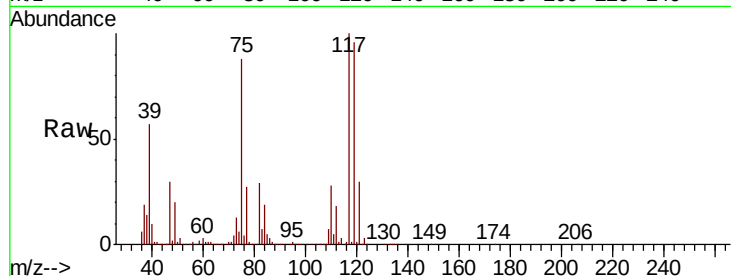
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	562006
Ion Ratio	Lower	Upper	
117	100		
119	96.1	78.1	117.1
121	29.8	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 147.440 ug/l

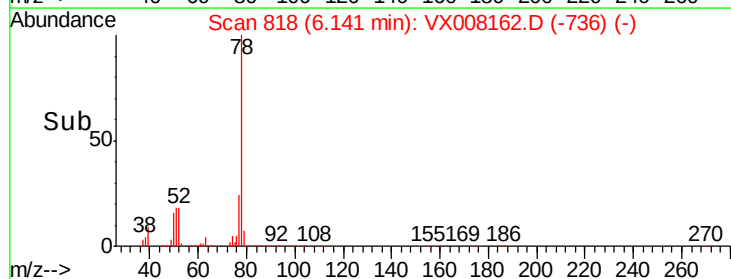
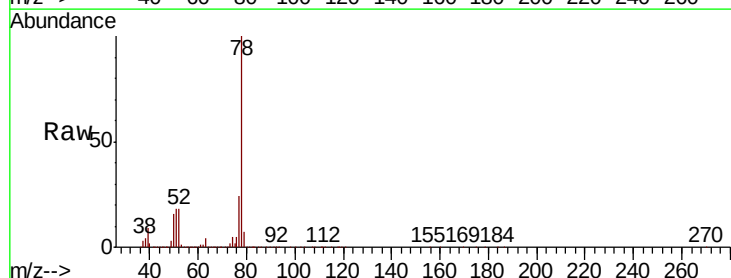
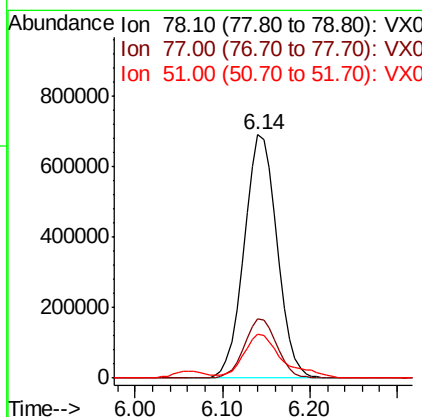
RT: 6.14 min Scan# 818

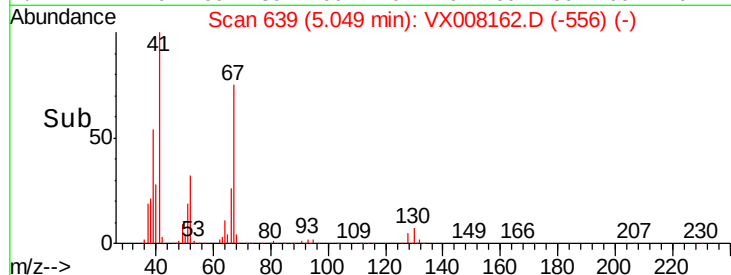
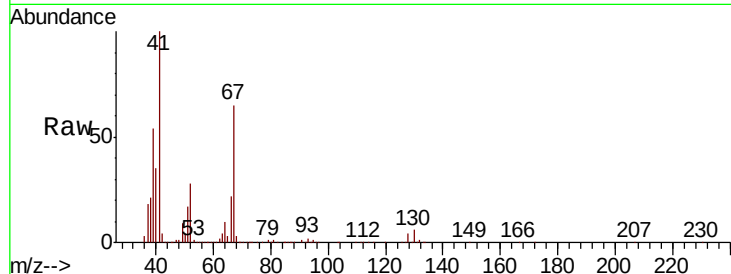
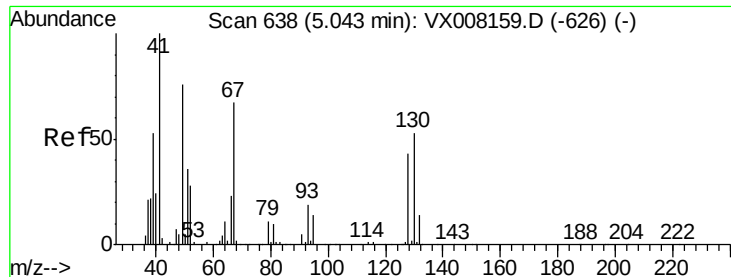
Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Tgt Ion:	78	Resp:	1809397
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.1	28.7
51	17.8	10.8	16.2#





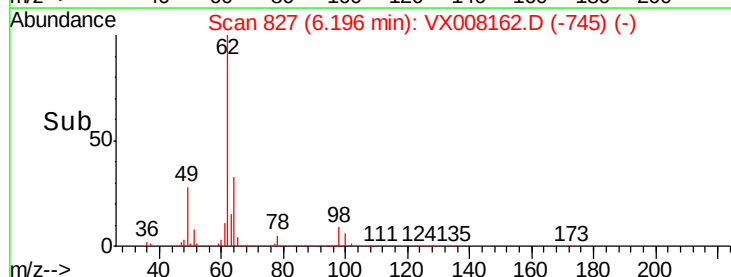
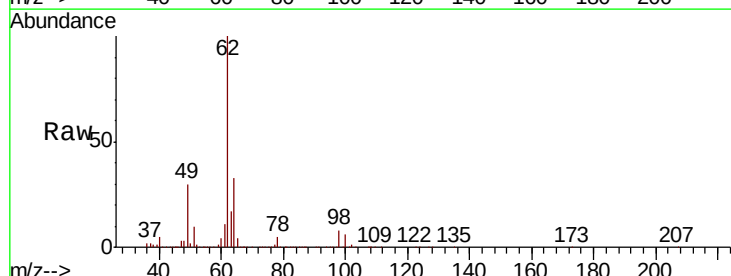
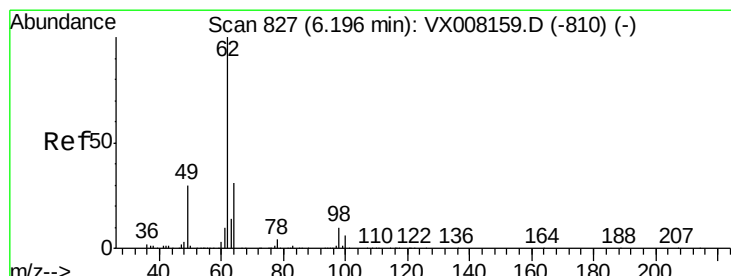
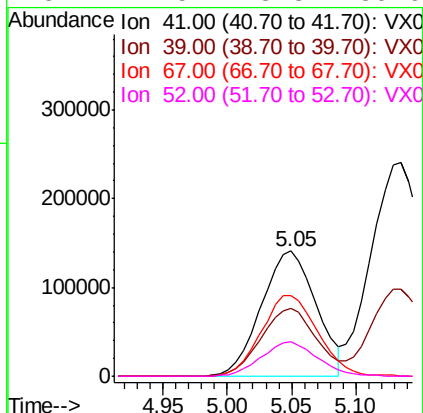
#35
Methacrylonitrile
Concen: 149.629 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.9	27.4	82.0		
67	64.6	37.9	113.6		
52	27.5	13.3	39.9		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

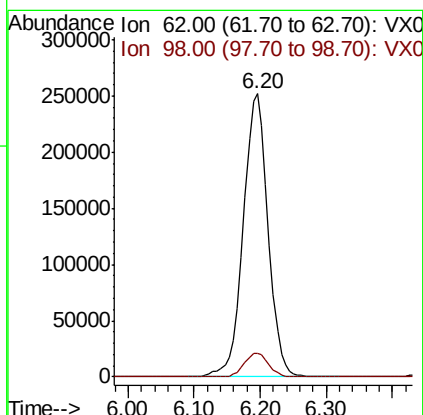
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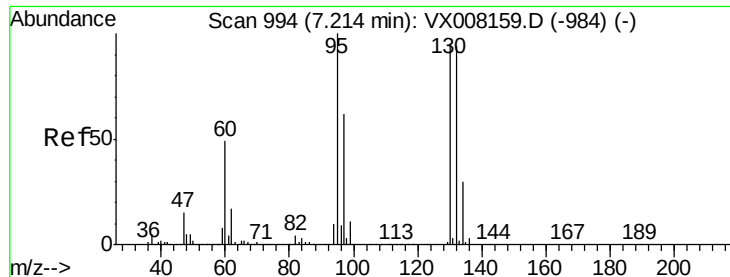
MMDadoda
3/19/2019 9:37:06 AM



#36
1,2-Dichloroethane
Concen: 145.098 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.4	7.8	11.8		





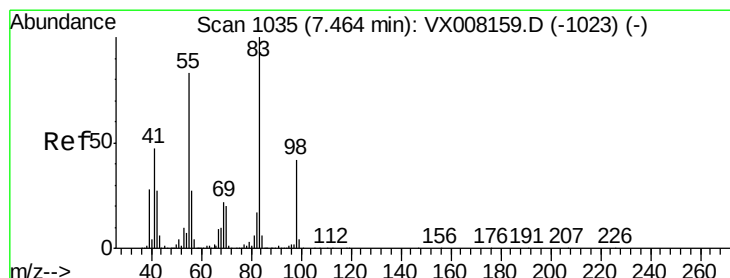
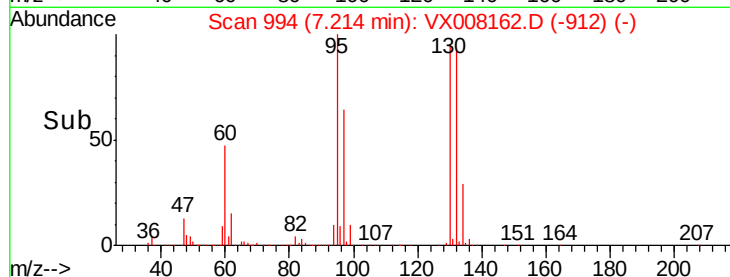
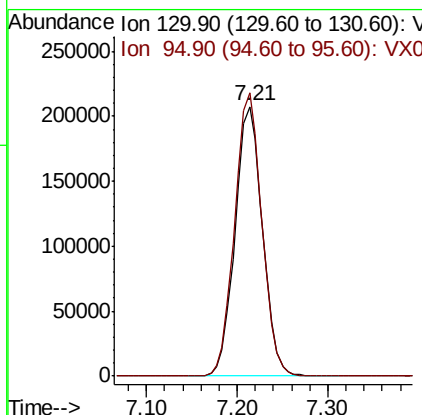
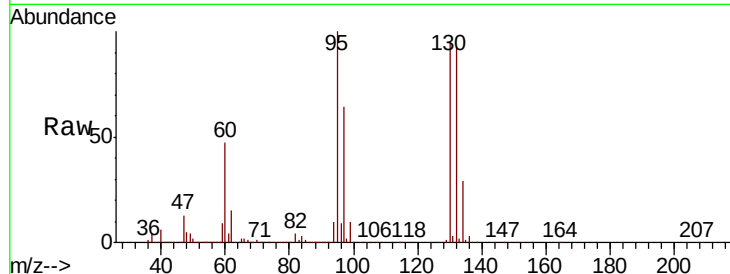
#37
 Trichloroethene
 Concen: 150.376 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
130	100		
95	105.0	71.3	106.9

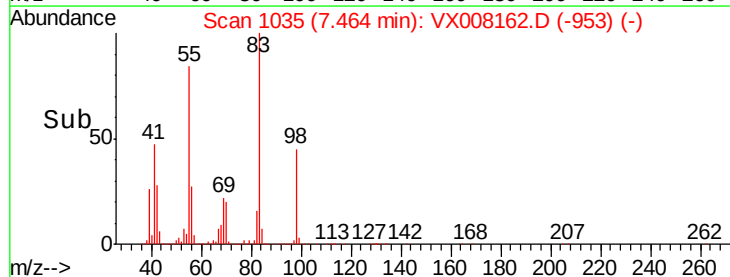
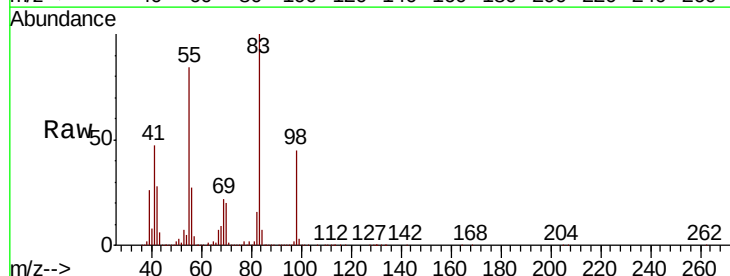
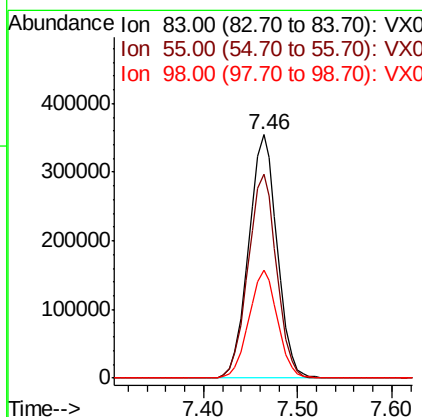
Manual Integrations
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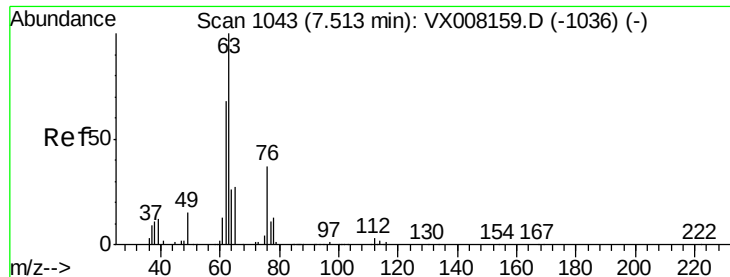
MMDadoda
 3/19/2019 9:37:06 AM



#38
 Methylcyclohexane
 Concen: 155.246 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.7	36.0	108.0
98	44.5	23.8	71.4





#39

1,2-Dichloropropane

Concen: 149.424 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 498625

Ion Ratio Lower Upper

63 100

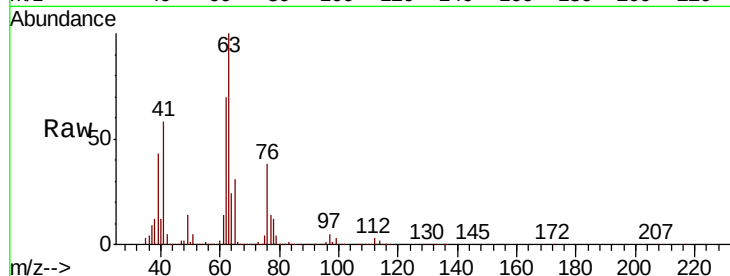
65 31.3 24.6 37.0

Manual Integrations

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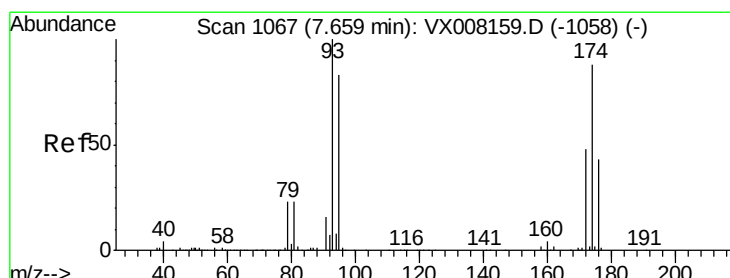
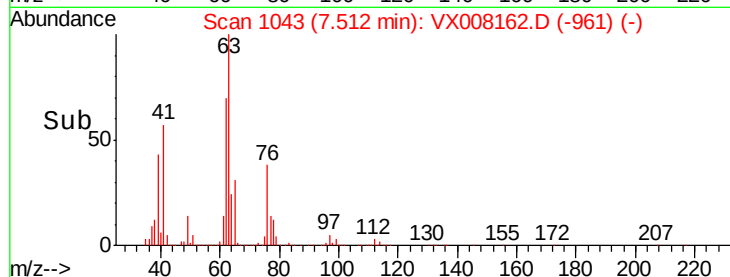
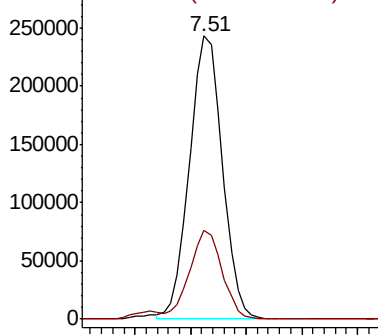
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 147.286 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

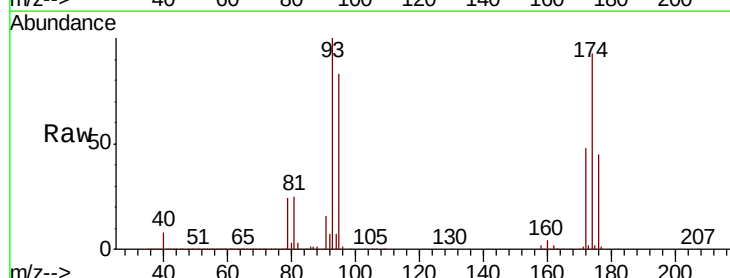
Tgt Ion: 93 Resp: 300418

Ion Ratio Lower Upper

93 100

95 83.0 0.0 158.8

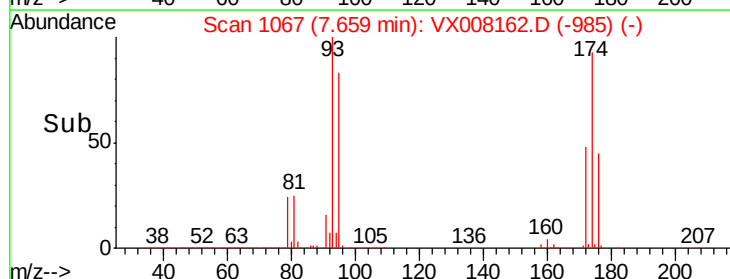
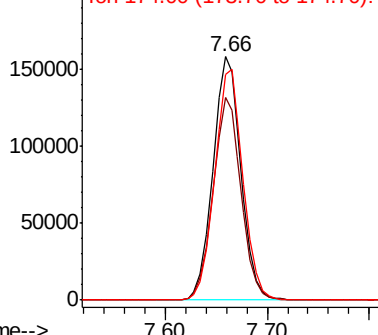
174 95.9 0.0 224.2

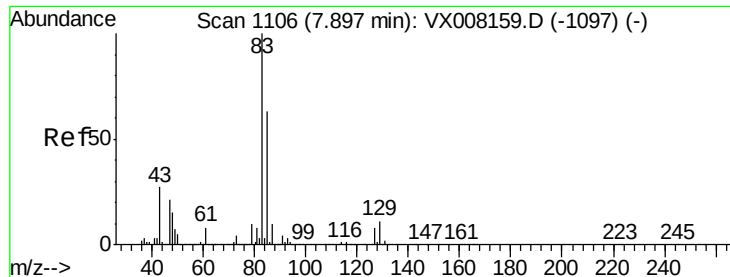


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





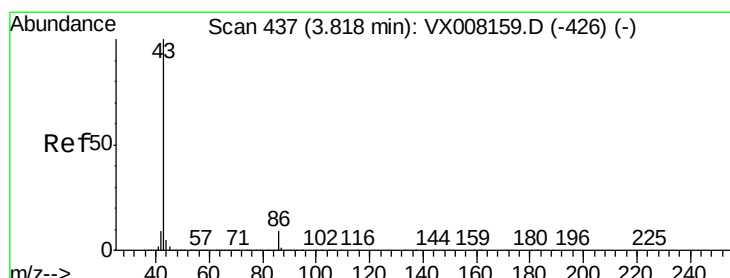
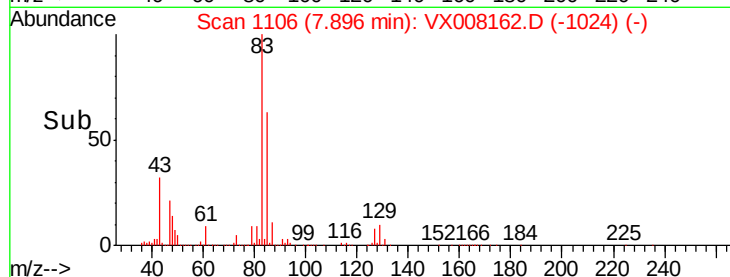
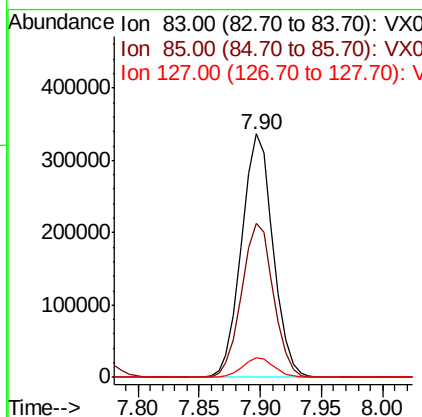
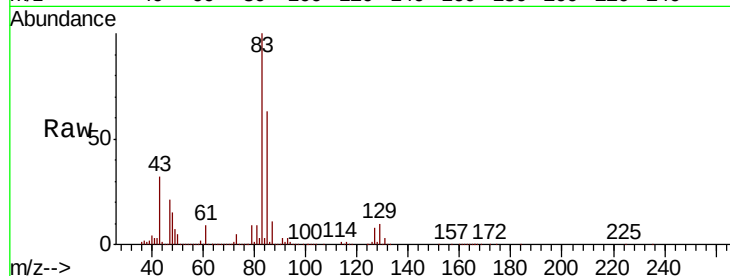
#41
Bromodichloromethane
Concen: 153.779 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	8.0	7.2	10.8

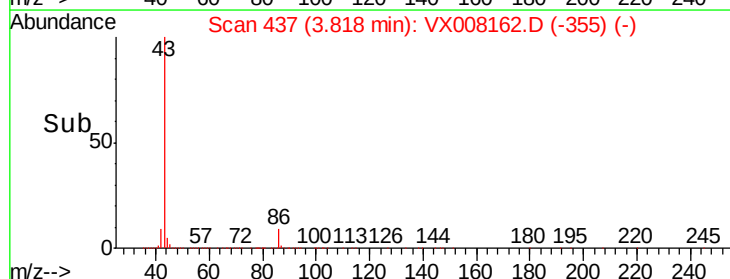
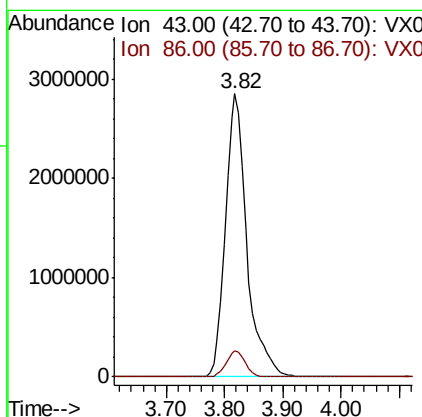
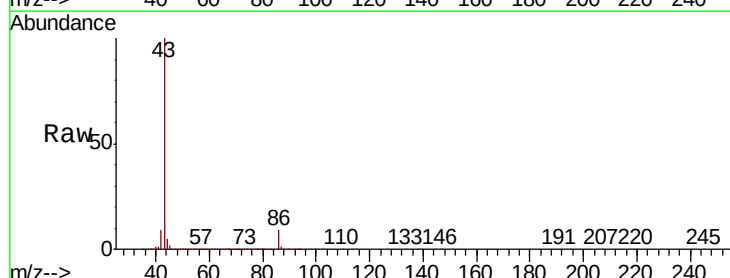
Manual Integrations
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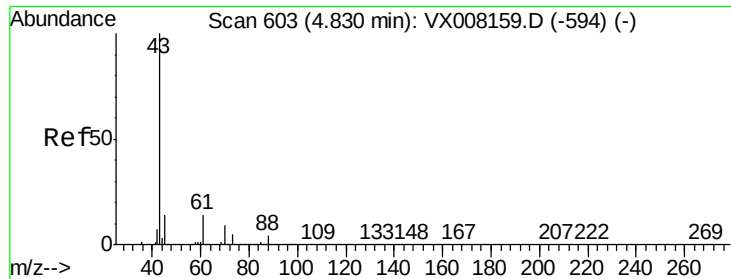
MMDadoda
3/19/2019 9:37:06 AM



#42
Vinyl Acetate
Concen: 760.578 ug/l
RT: 3.82 min Scan# 437
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.2	8.2	12.2





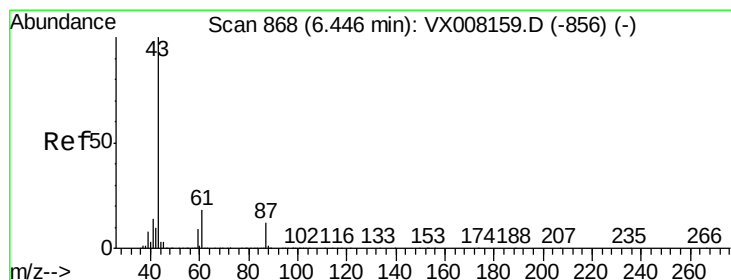
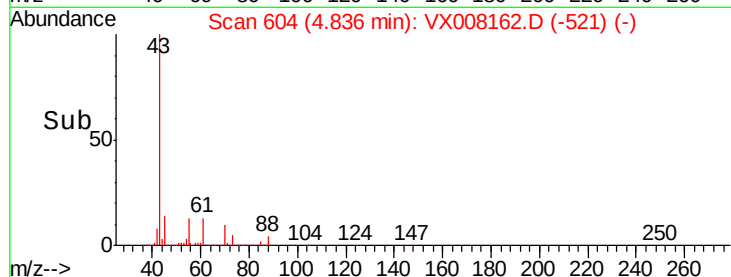
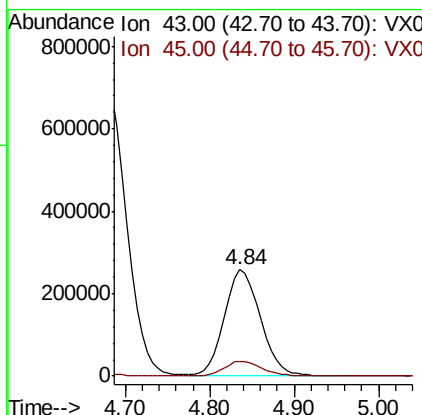
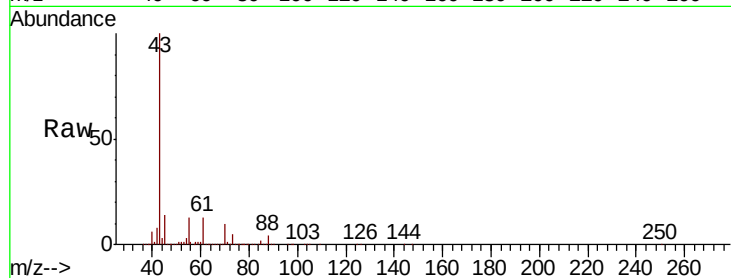
#43
Ethyl Acetate
Concen: 144.109 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.8	6.9	10.3#

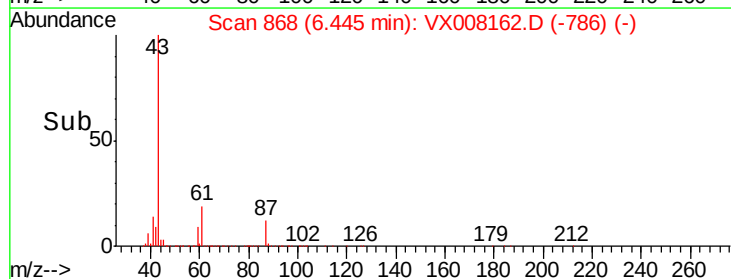
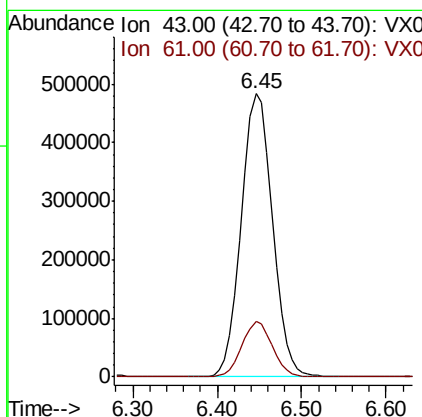
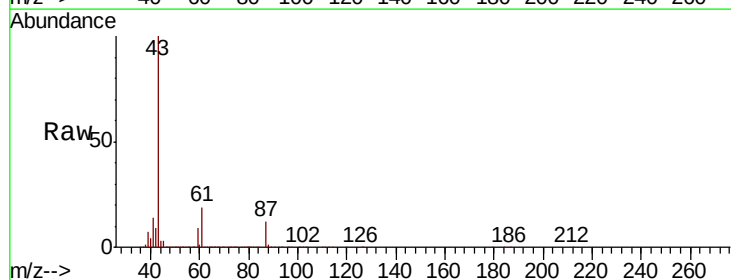
Manual Integrations
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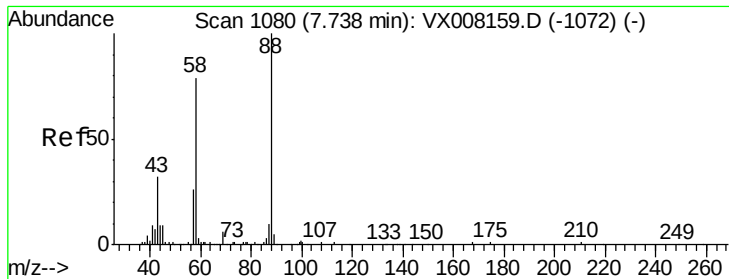
MMDadoda
3/19/2019 9:37:06 AM



#44
Isopropyl Acetate
Concen: 156.214 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	16.1	24.1





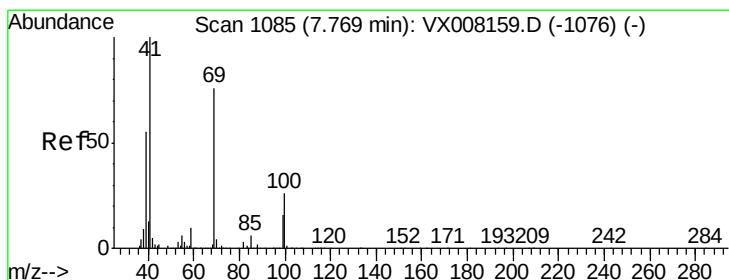
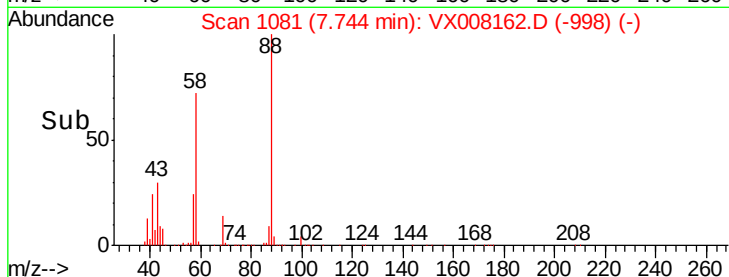
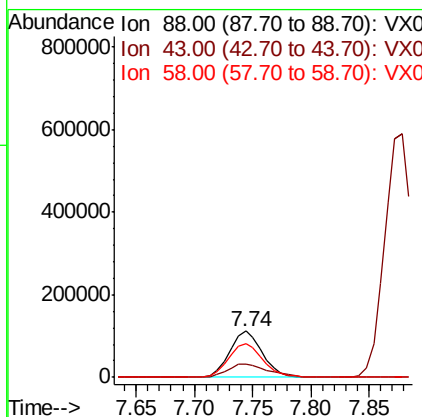
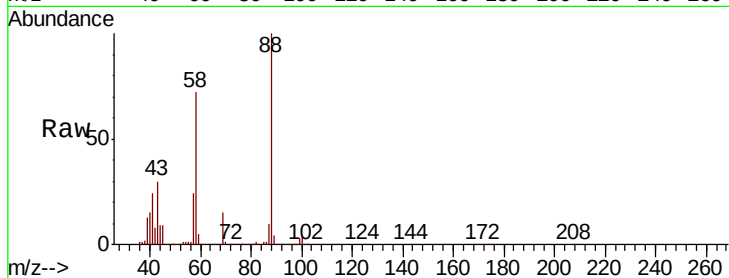
#45
 1,4-Dioxane
 Concen: 2958.982 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	23.6	35.4#
58	76.0	51.6	77.4

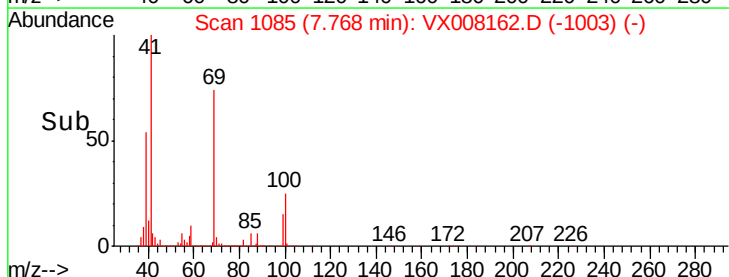
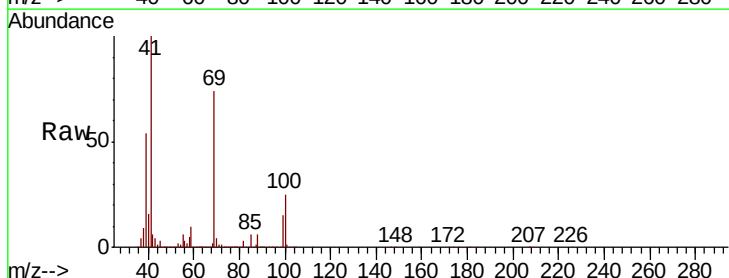
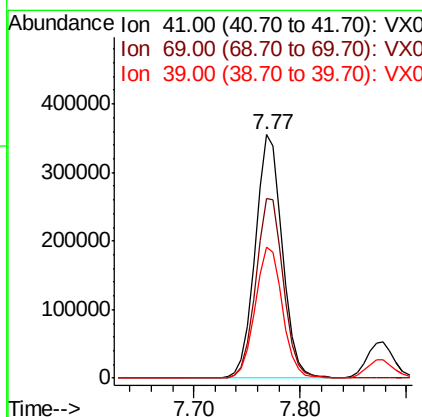
Manual Integrations
 APPROVED

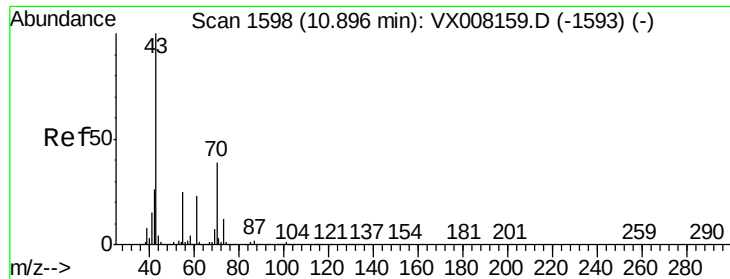
MMDadoda
 3/19/2019 9:37:06 AM



#46
 Methyl methacrylate
 Concen: 153.851 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.7	44.2	132.6
39	53.9	29.9	89.8





#47

n-amvl Acetate

Concen: 159.217 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1069388

Ion Ratio Lower Upper

43 100

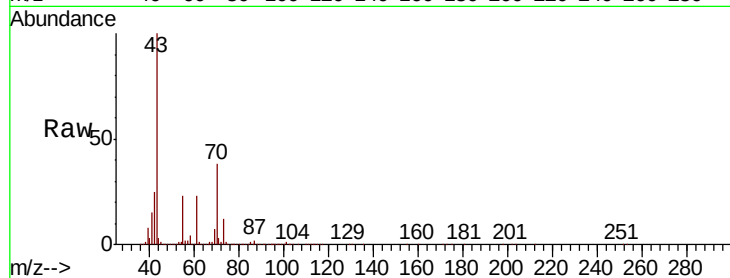
55 23.0 20.8 31.2

Manual Integrations

APPROVED

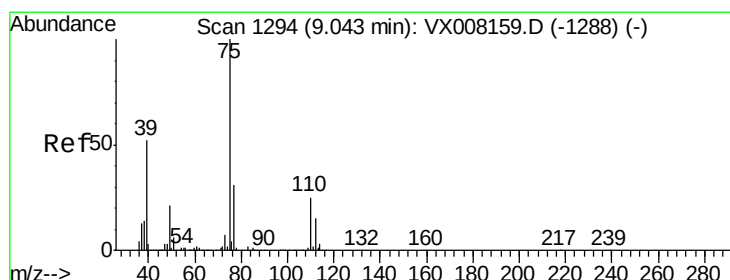
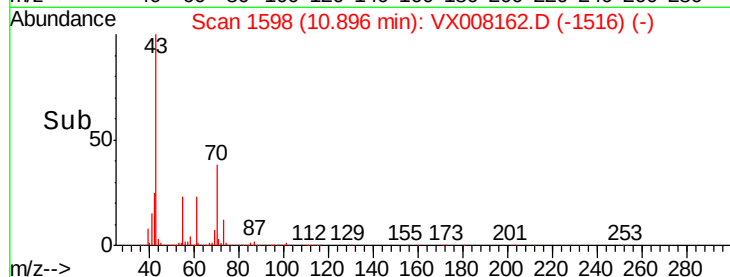
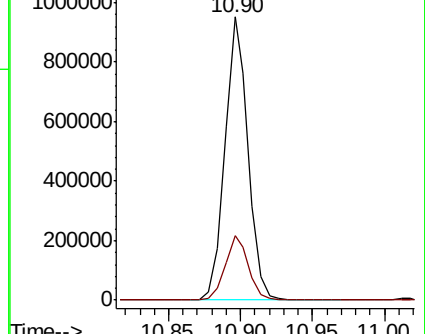
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 170.207 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008162.D

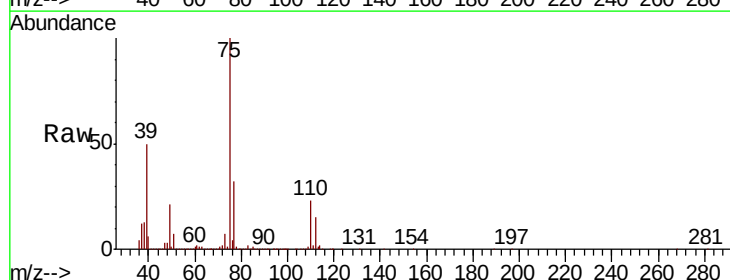
Acq: 18 Mar 2019 12:07

Tgt Ion: 75 Resp: 708111

Ion Ratio Lower Upper

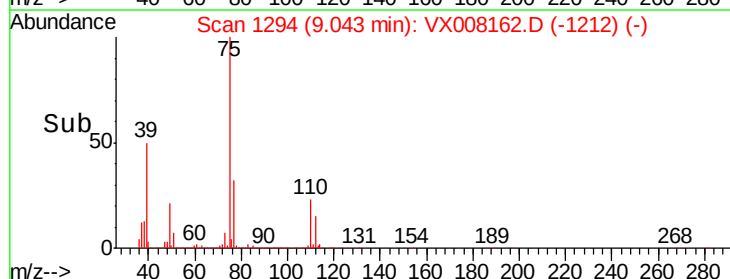
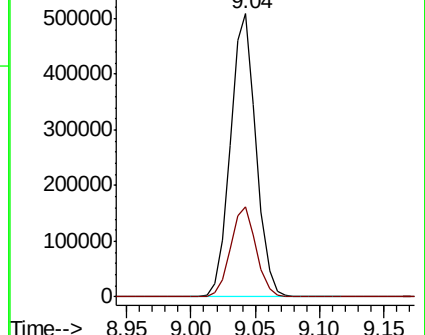
75 100

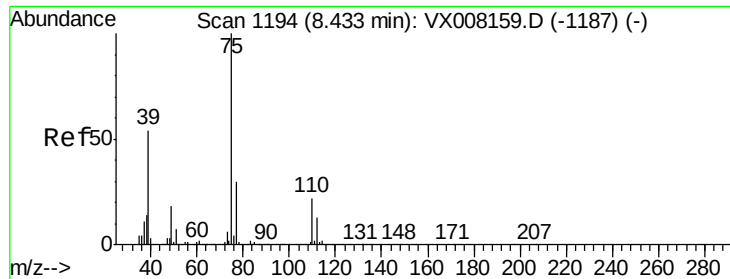
77 31.6 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

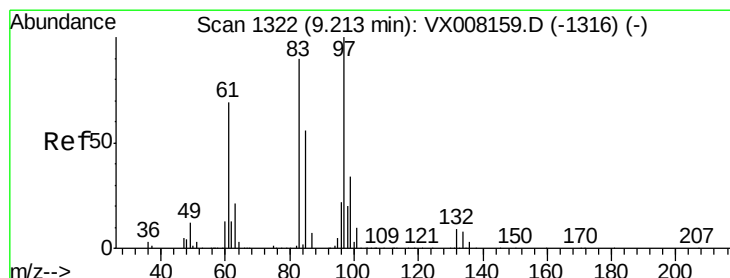
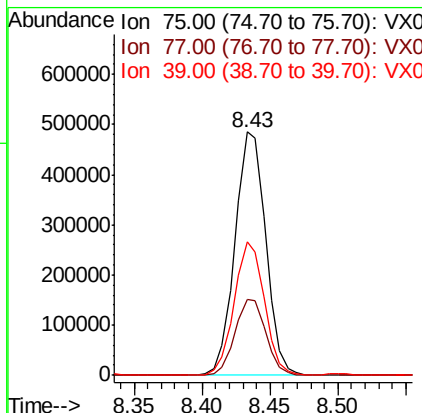
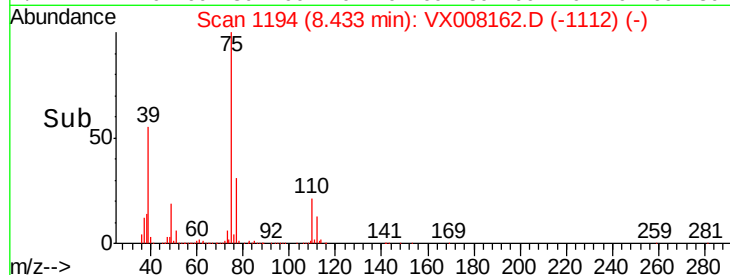
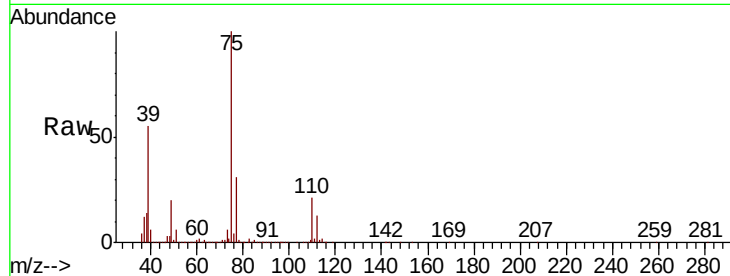
cis-1,3-Dichloropropene
 Concen: 163.299 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	75	Resp:	763635
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	54.8	38.5	57.7

Manual Integrations
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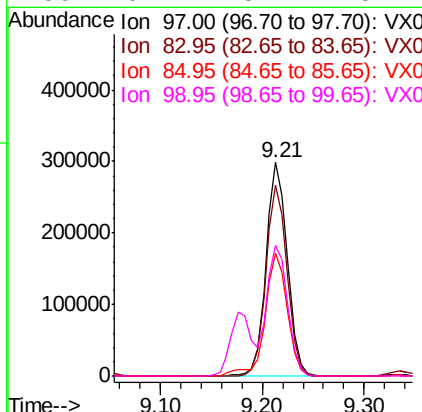
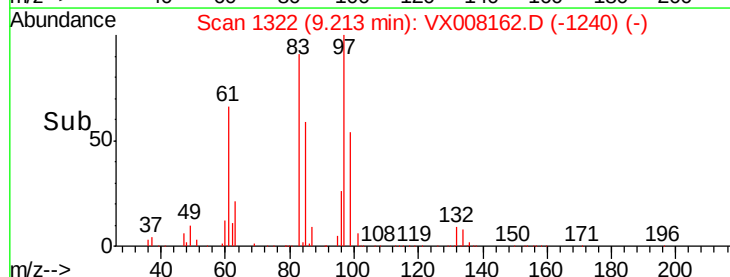
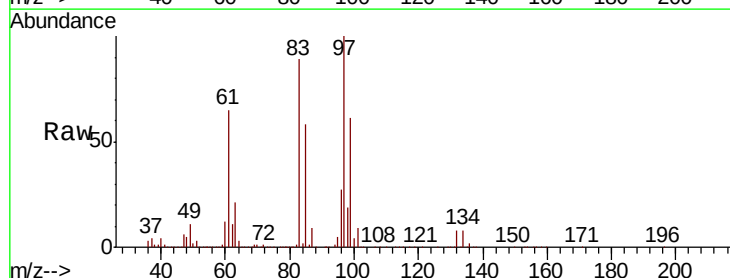
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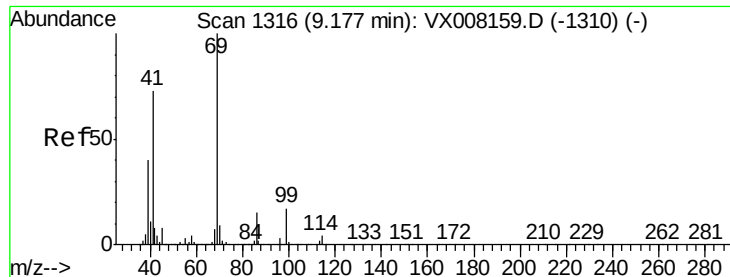


#50

1,1,2-Trichloroethane
 Concen: 146.974 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion:	97	Resp:	431434
Ion	Ratio	Lower	Upper
97	100		
83	89.3	72.0	108.0
85	57.7	45.0	67.6
99	61.1	54.2	81.4





#51

Ethyl methacrylate

Concen: 155.767 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

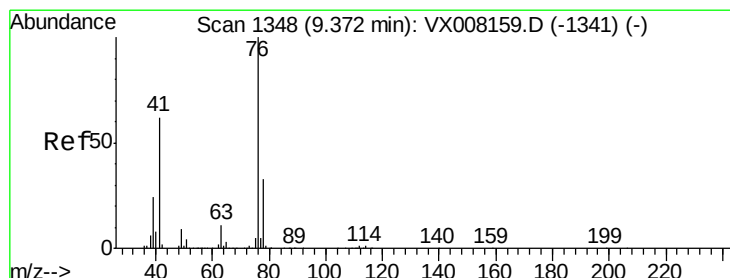
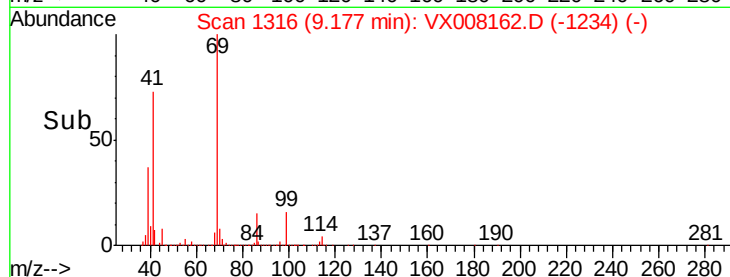
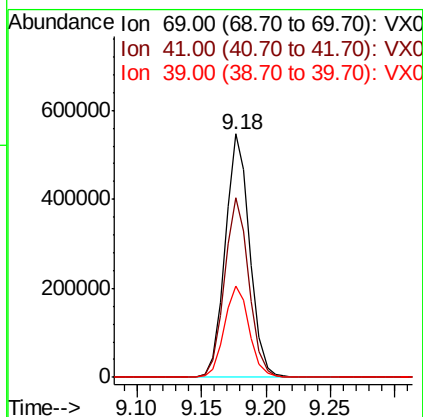
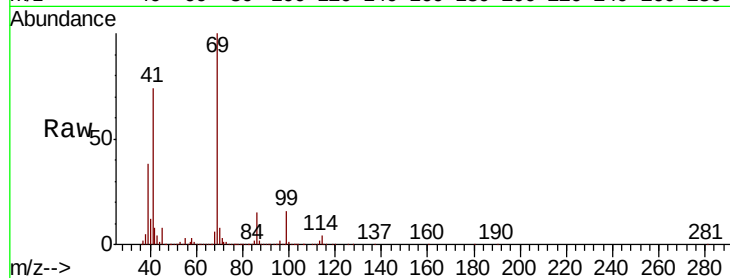
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	730317
Ion Ratio	Lower	Upper	
69	100		
41	73.6	32.1	96.5
39	37.6	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 142.955 ug/l

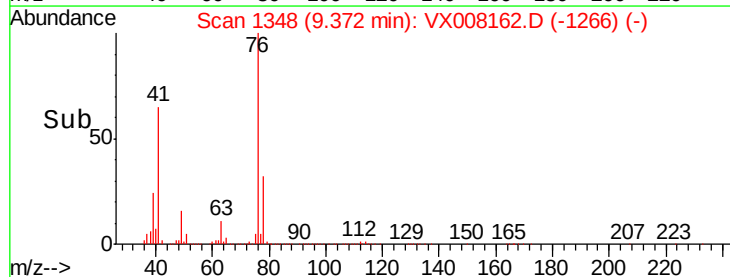
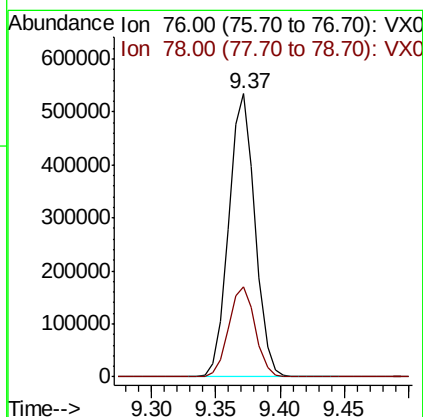
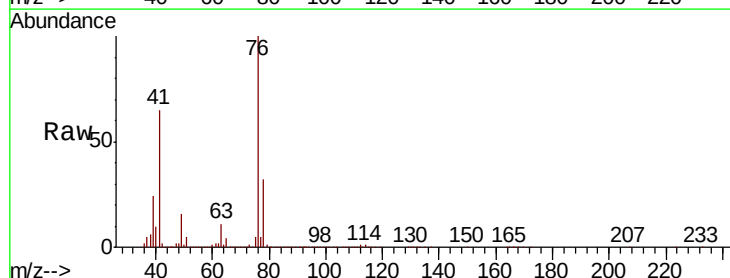
RT: 9.37 min Scan# 1348

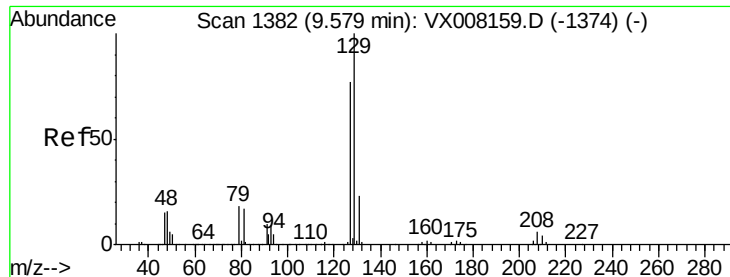
Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Tgt Ion:	76	Resp:	763517
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	65.2





#53

Dibromochloromethane

Concen: 157.265 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 440762

Ion Ratio Lower Upper

129 100

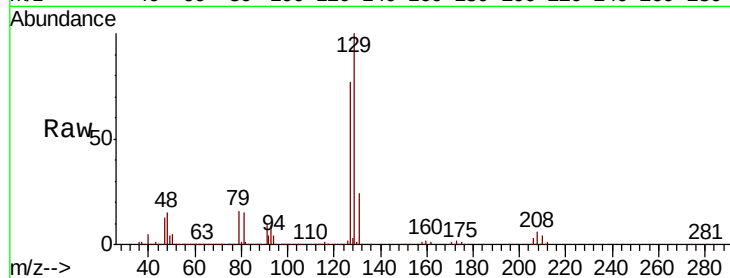
127 77.7 38.4 115.2

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.59

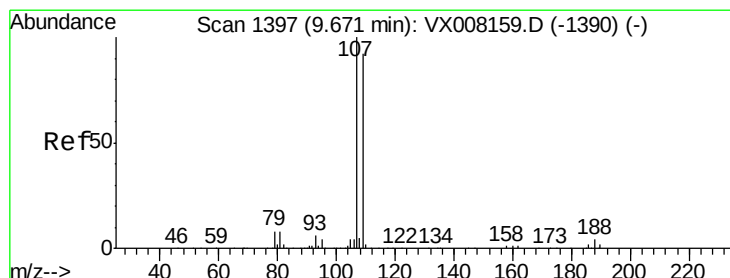
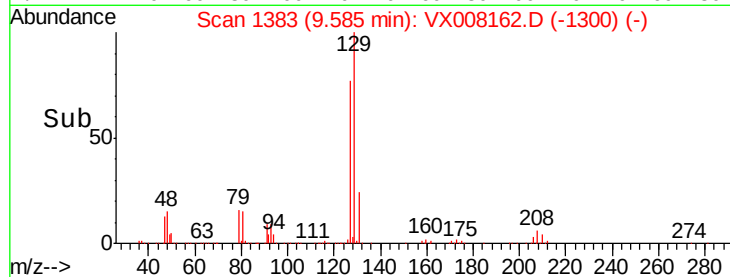
300000

200000

100000

0

Time-->



#54

1,2-Dibromoethane

Concen: 143.815 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008162.D

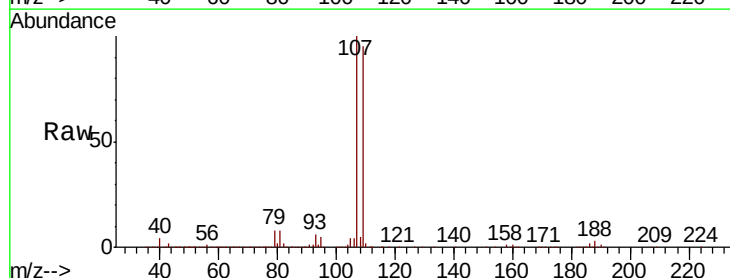
Acq: 18 Mar 2019 12:07

Tgt Ion:107 Resp: 452140

Ion Ratio Lower Upper

107 100

109 94.0 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

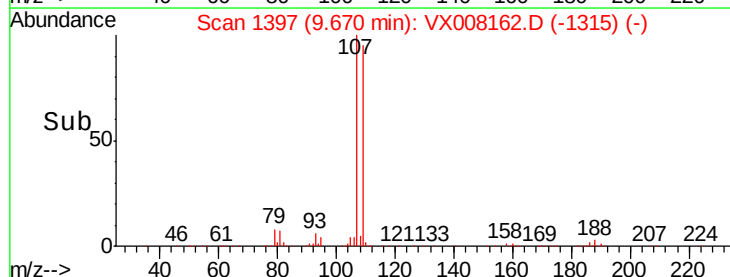
300000

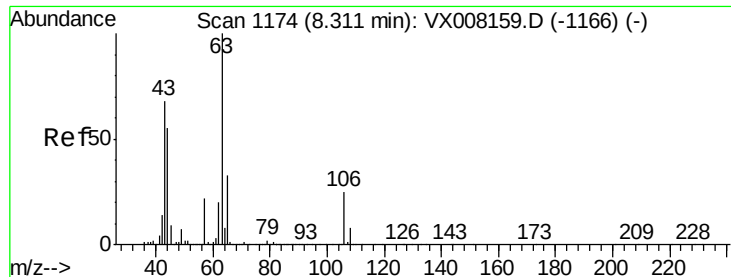
200000

100000

0

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 776.611 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 2716992

Ion Ratio Lower Upper

63 100

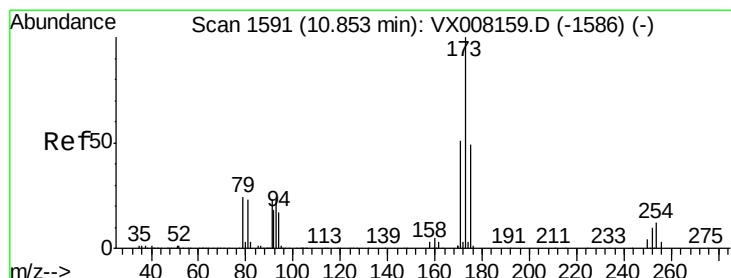
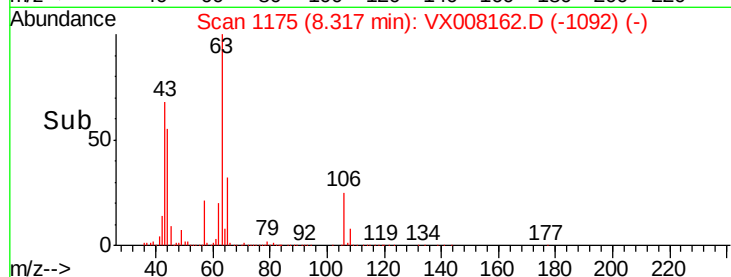
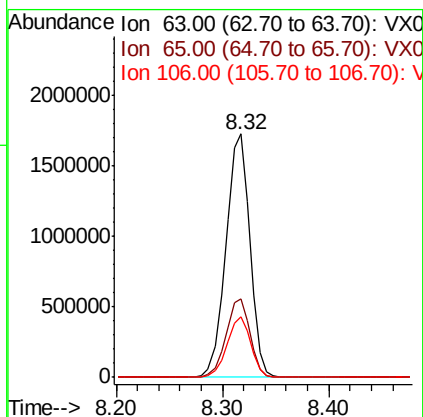
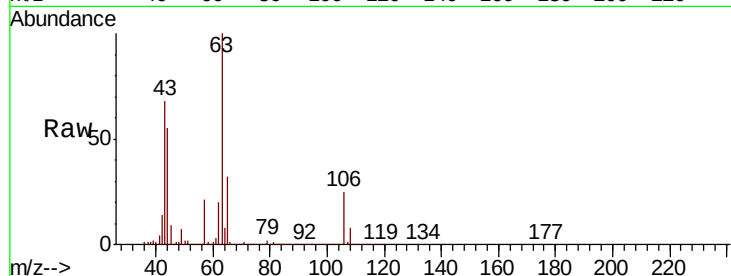
65 32.3 25.7 38.5

106 24.6 23.7 35.5

Manual Integrations
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#56

Bromoform

Concen: 164.658 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

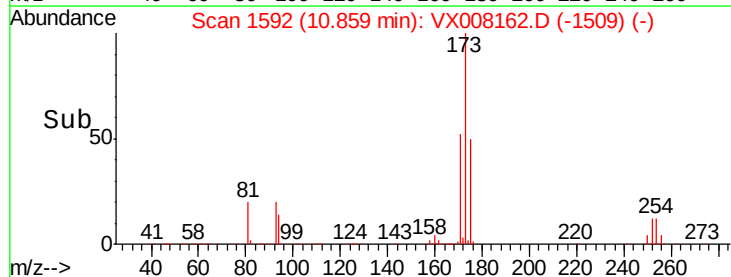
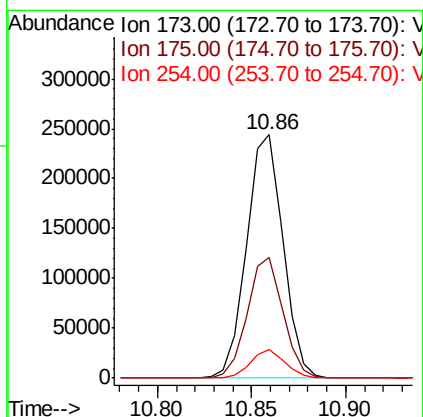
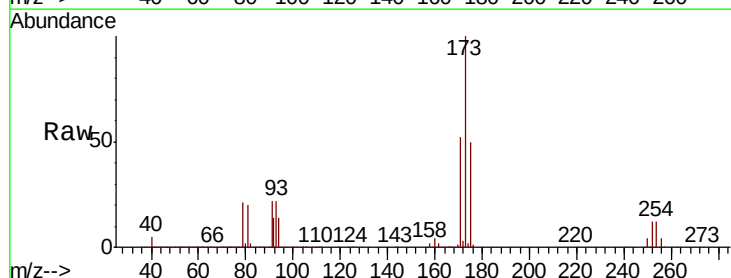
Tgt Ion: 173 Resp: 327239

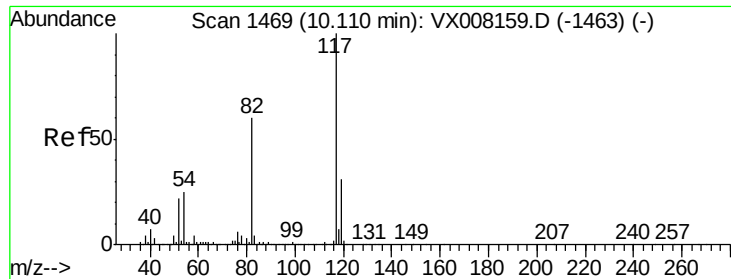
Ion Ratio Lower Upper

173 100

175 48.8 38.5 57.7

254 11.1 7.4 11.2





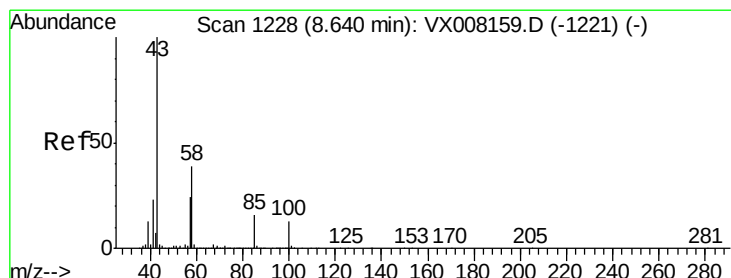
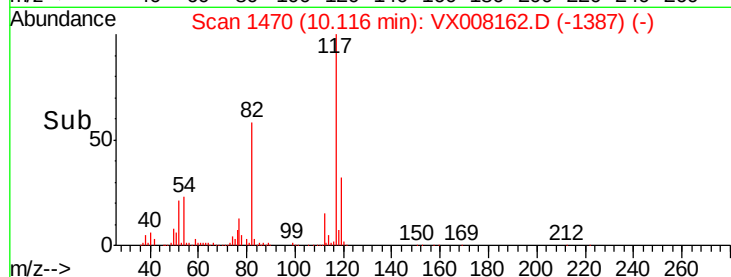
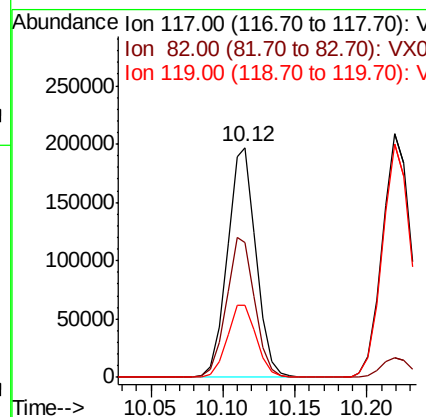
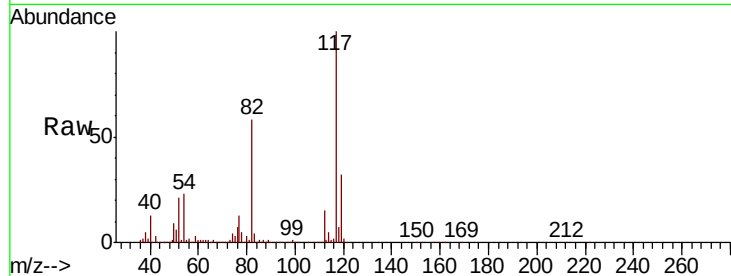
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampled :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	40.4	60.6
119	32.4	25.8	38.6

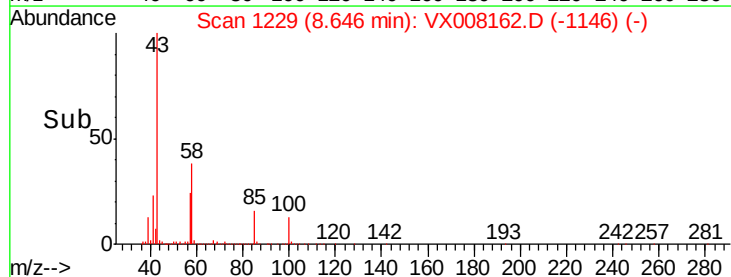
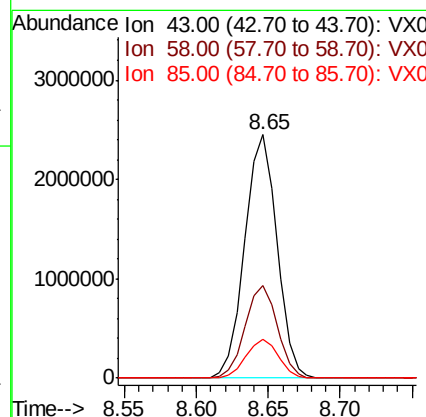
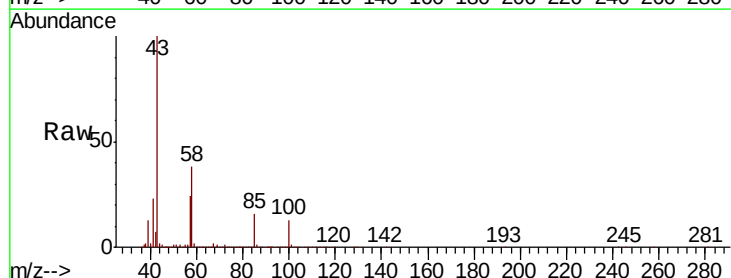
Manual Integrations
APPROVED

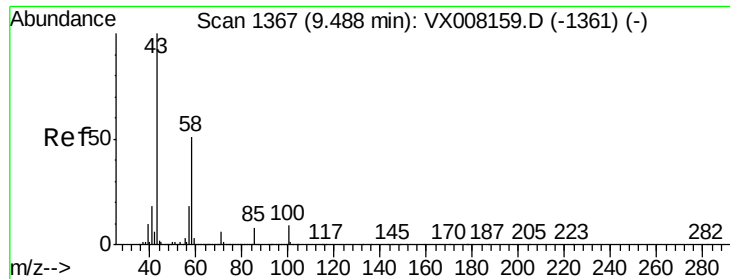
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 728.150 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.0	31.4	47.0
85	15.9	15.0	22.6





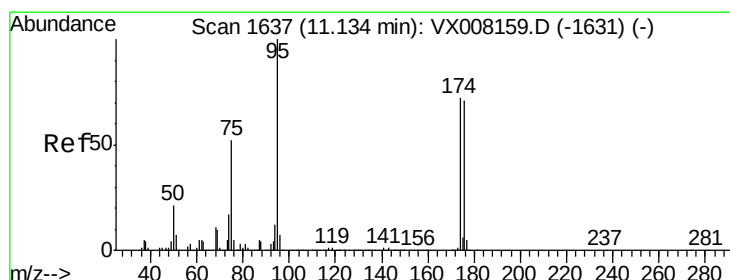
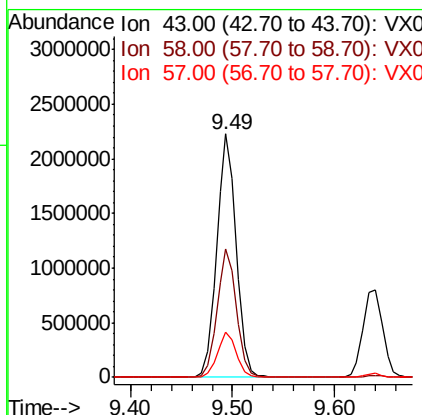
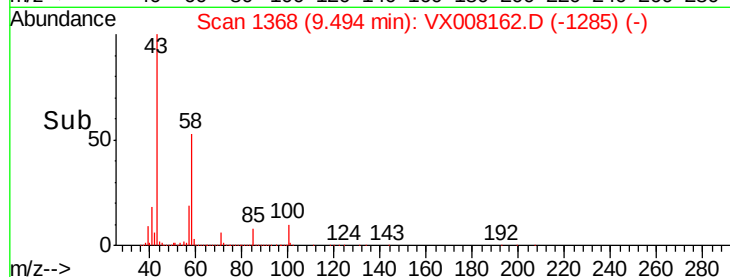
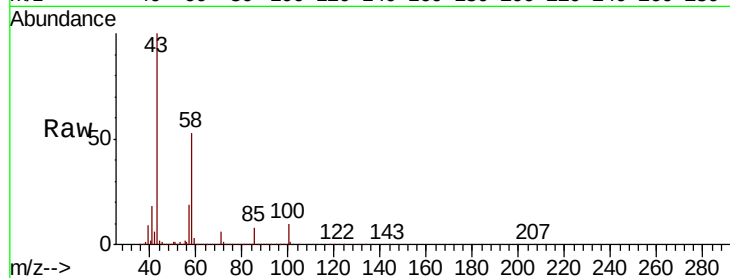
#59
2-Hexanone
Concen: 699.877 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2973161
Ion Ratio Lower Upper
43 100
58 52.5 43.9 65.9
57 18.3 14.9 22.3

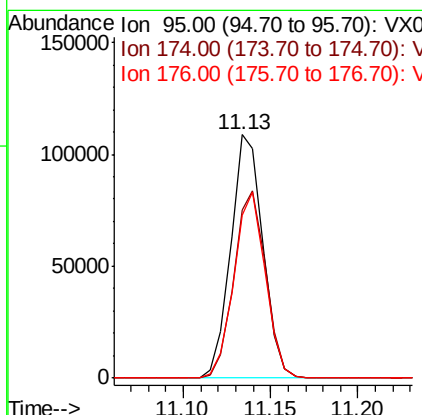
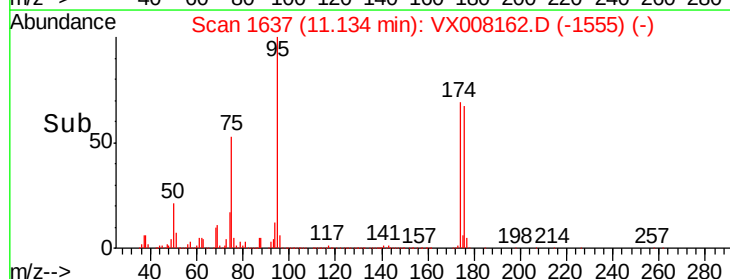
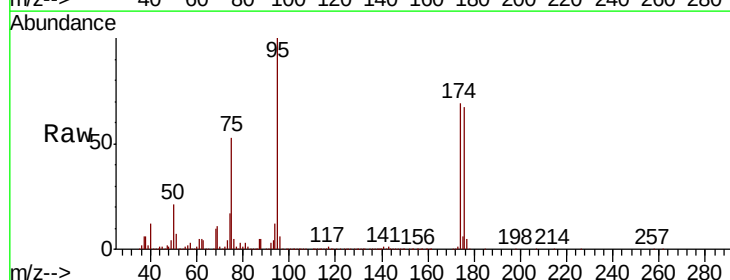
Manual Integrations
APPROVED

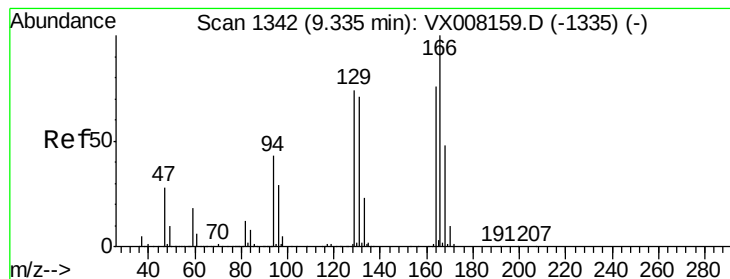
MMDadoda
3/19/2019 9:37:06 AM



#60
4-Bromofluorobenzene
Concen: 30.202 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion: 95 Resp: 139090
Ion Ratio Lower Upper
95 100
174 76.7 74.9 112.3
176 74.5 70.7 106.1





#61

Tetrachloroethene

Concen: 147.450 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 397744

Ion Ratio Lower Upper

164 100

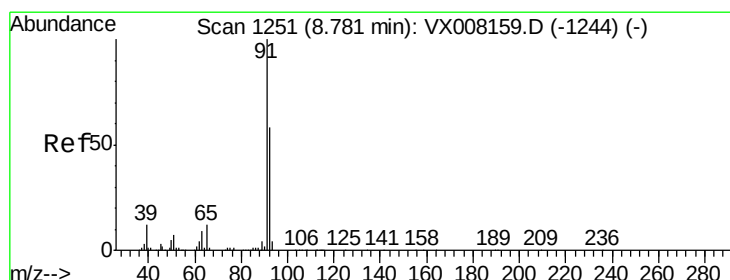
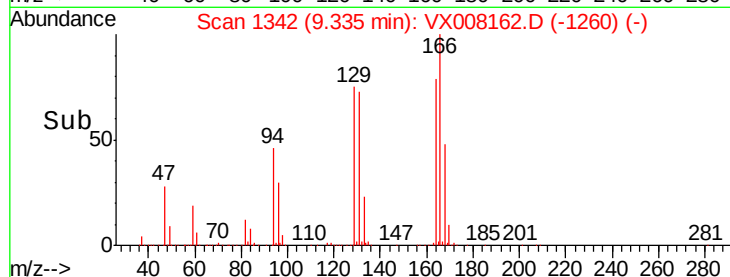
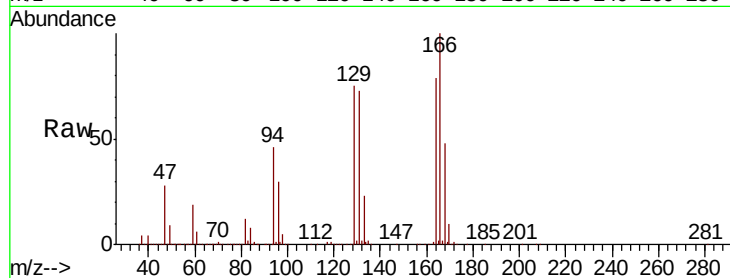
166 127.0 103.9 155.9

129 95.7 74.7 112.1

131 92.1 71.7 107.5

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#62

Toluene

Concen: 148.893 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008162.D

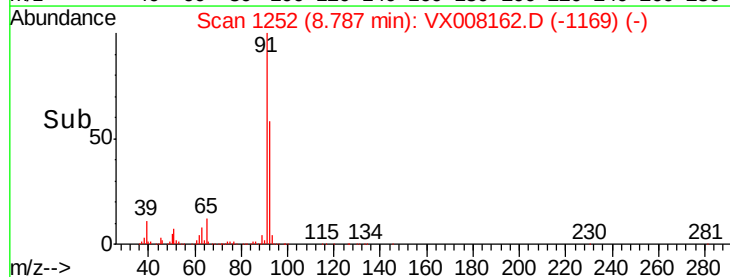
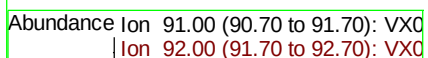
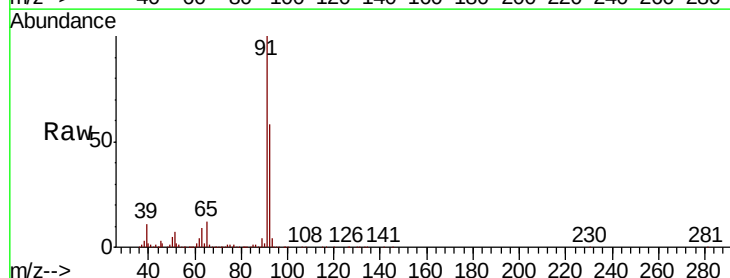
Acq: 18 Mar 2019 12:07

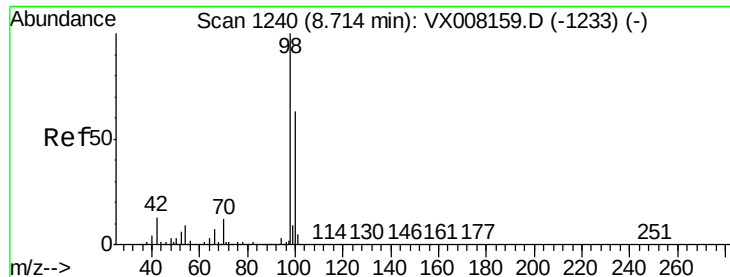
Tgt Ion: 91 Resp: 1873283

Ion Ratio Lower Upper

91 100

92 57.4 46.4 69.6





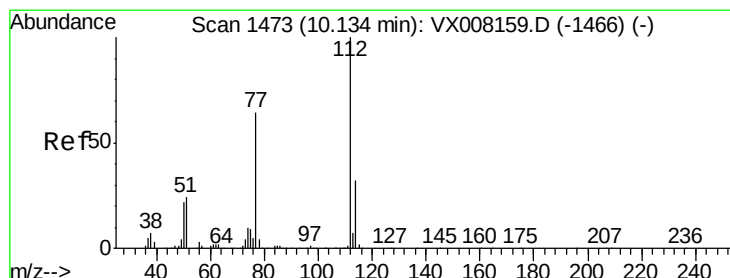
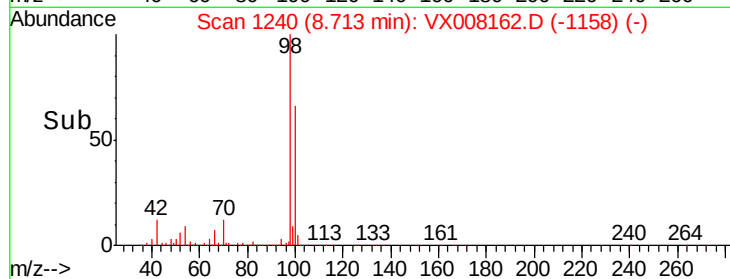
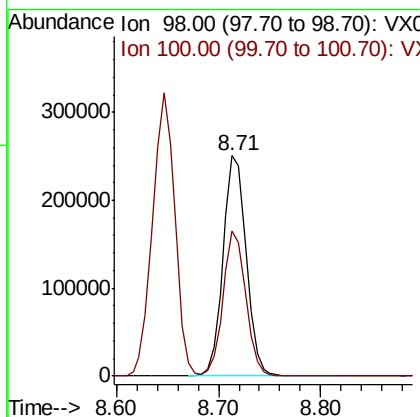
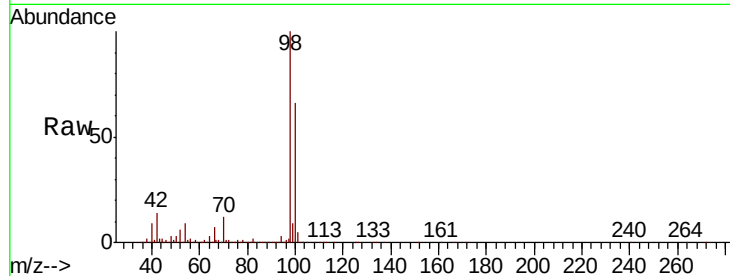
#63
Toluene-d8
Concen: 29.346 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 394326
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3

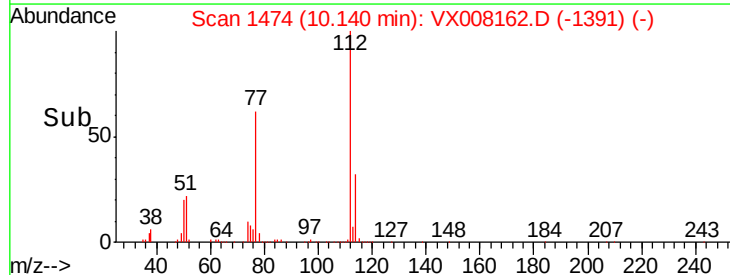
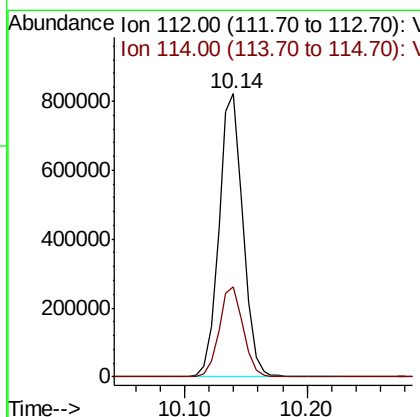
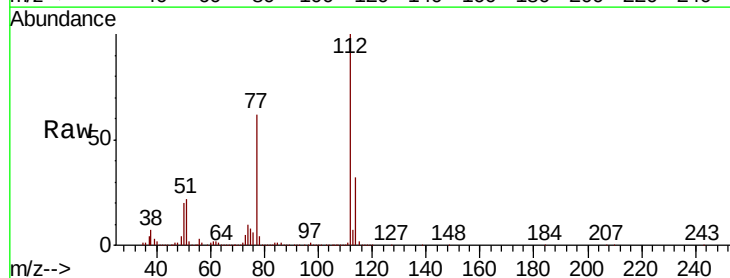
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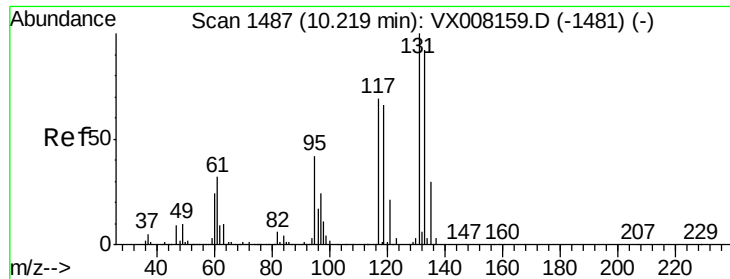
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#64
Chlorobenzene
Concen: 147.663 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion: 112 Resp: 1111442
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2





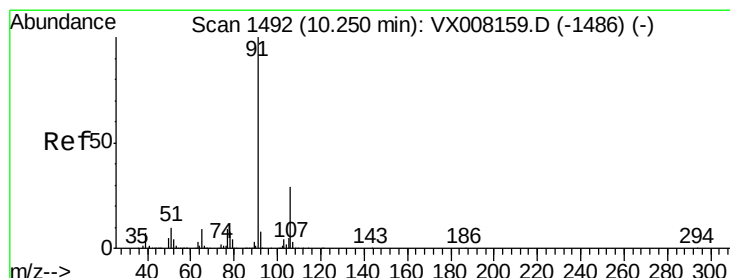
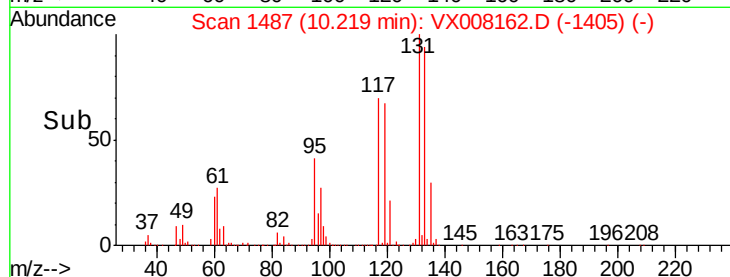
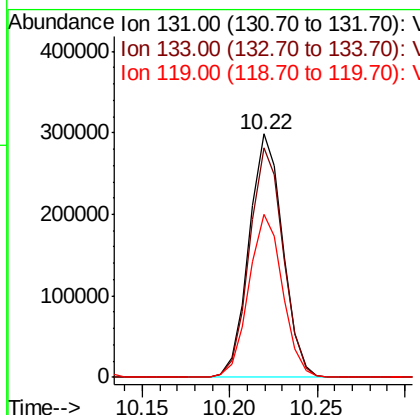
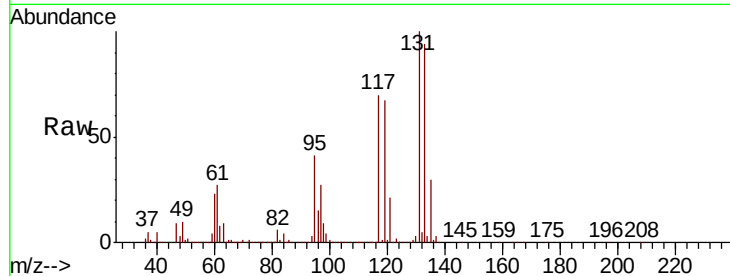
#65
 1,1,1,2-Tetrachloroethane
 Concen: 155.840 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.6	0.0	191.6
119	67.0	0.0	127.4

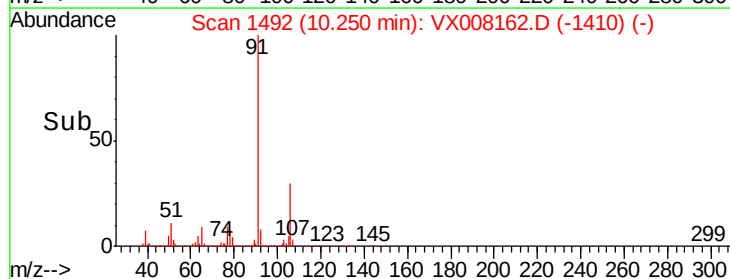
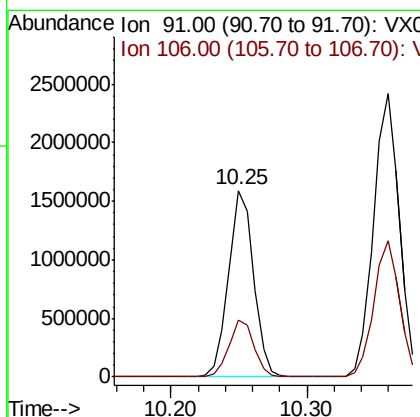
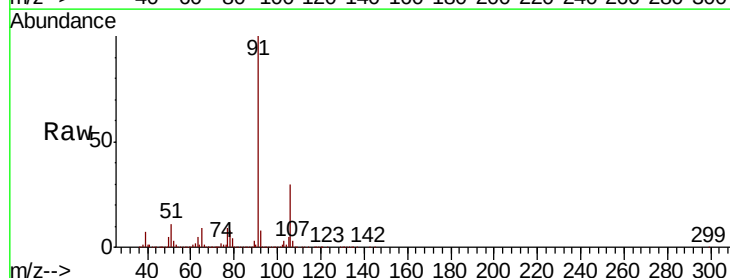
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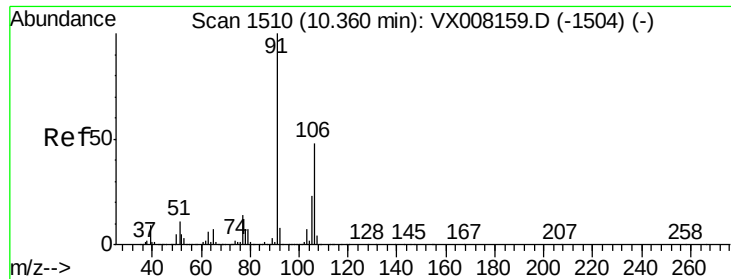
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#66
 Ethyl Benzene
 Concen: 153.976 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	26.0	39.0





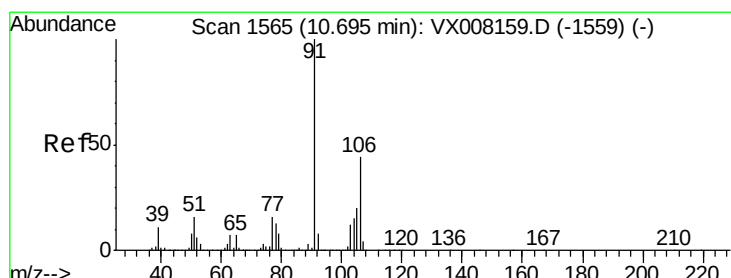
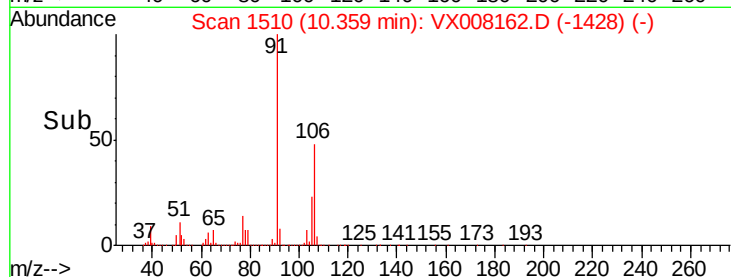
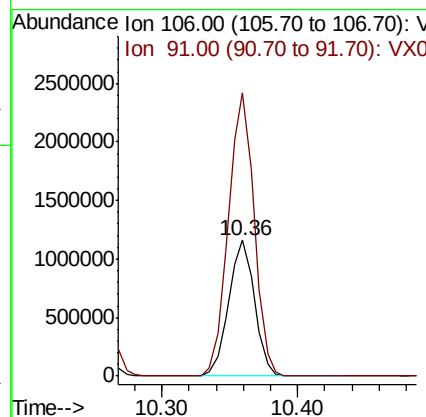
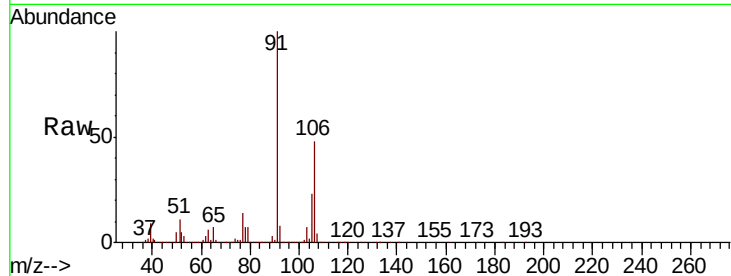
#67
m/p-Xylenes
Concen: 310.841 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion:106 Resp: 1521404
Ion Ratio Lower Upper
106 100
91 208.9 157.0 235.4

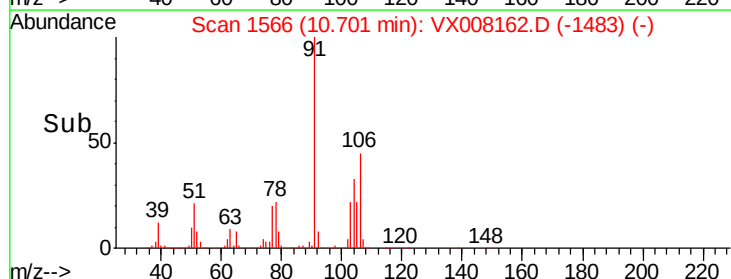
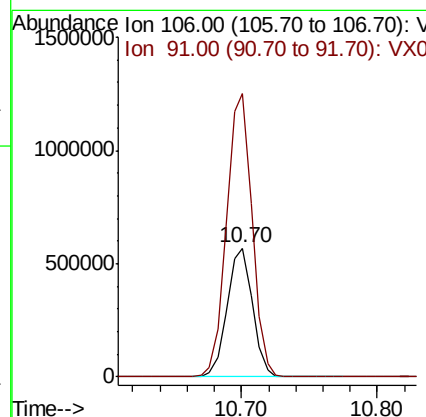
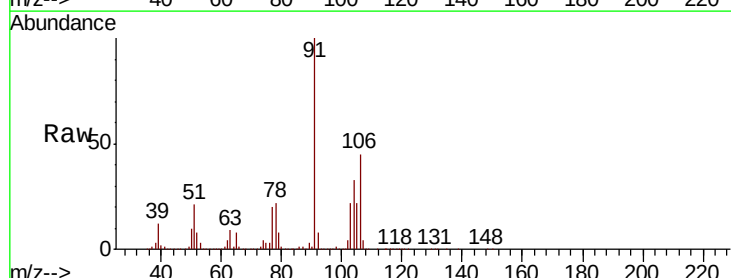
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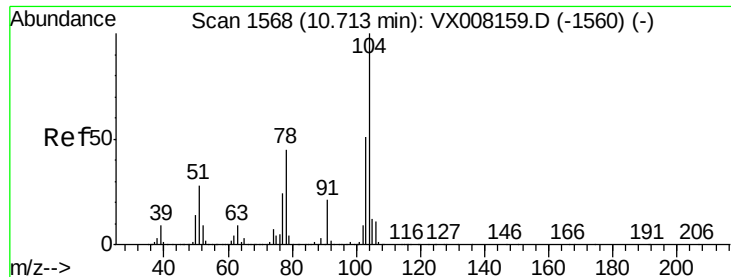
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#68
o-Xylene
Concen: 154.442 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion:106 Resp: 729484
Ion Ratio Lower Upper
106 100
91 222.1 104.4 313.2





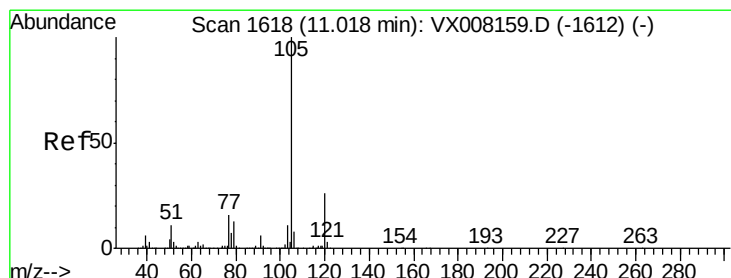
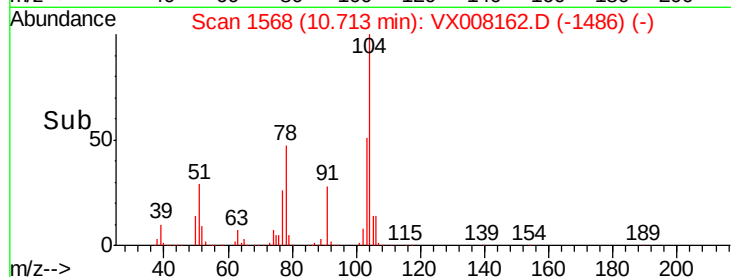
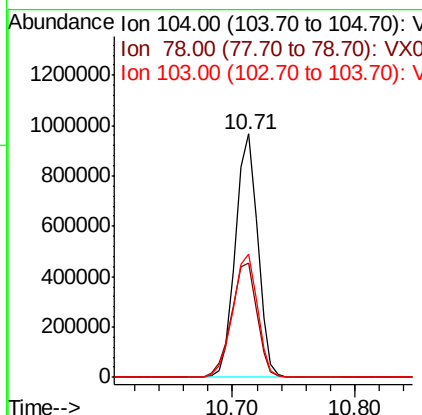
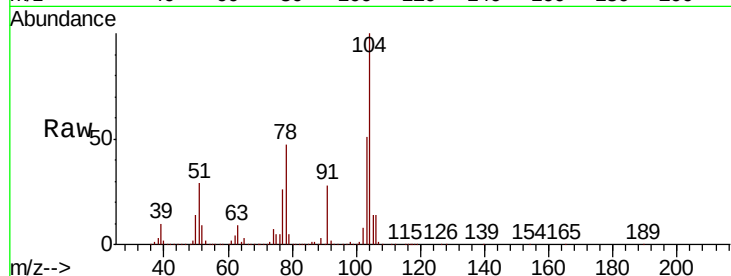
#69
Stvrene
Concen: 158.070 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	38.2	57.2
103	56.2	45.0	67.4

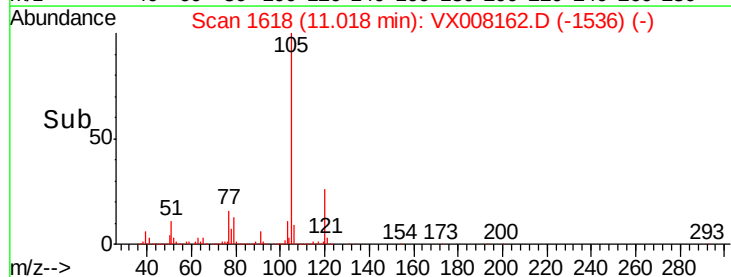
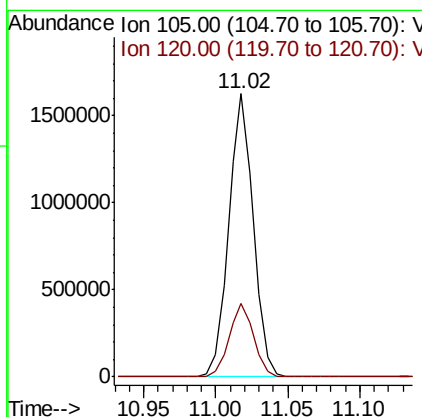
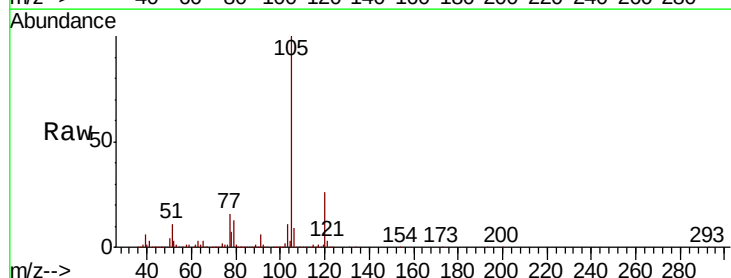
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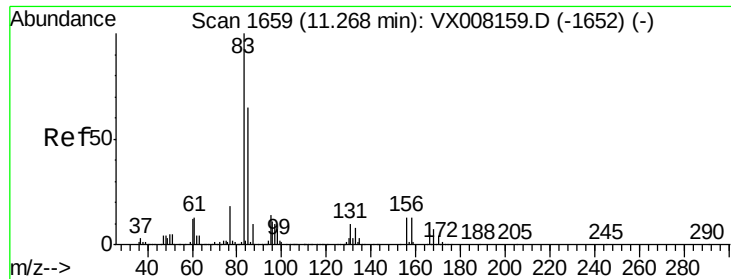
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#70
Isopropylbenzene
Concen: 152.643 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	19.8	36.8





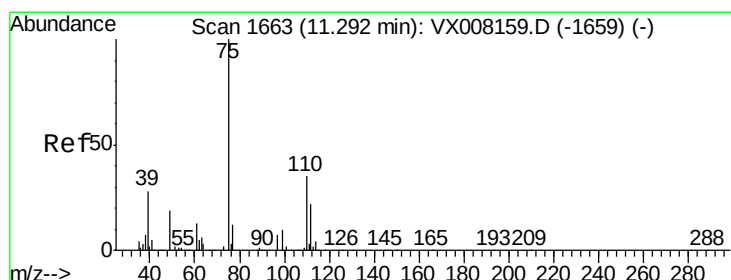
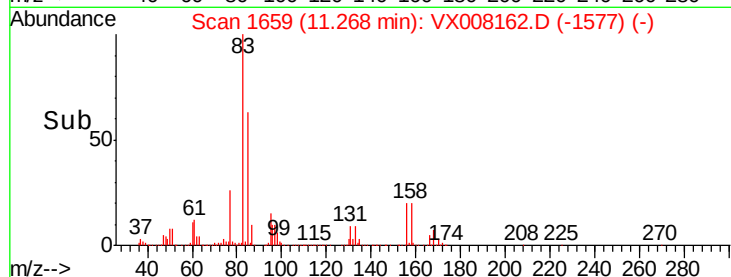
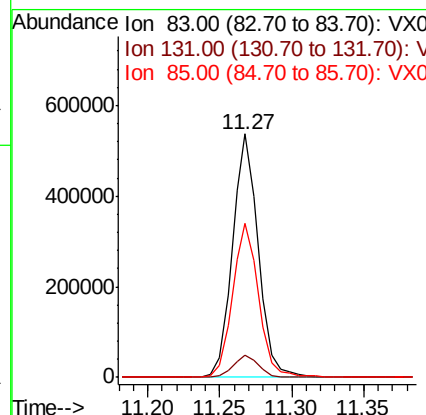
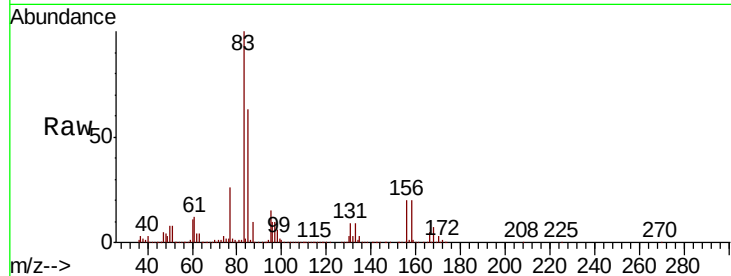
#71
 1,1,2,2-Tetrachloroethane
 Concen: 145.398 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	675625		
131	9.1	5.4	16.2	
85	63.9	32.8	98.4	

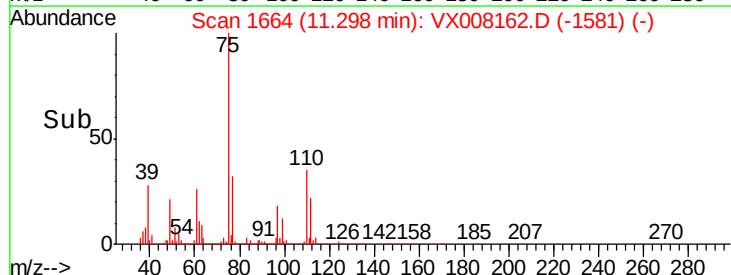
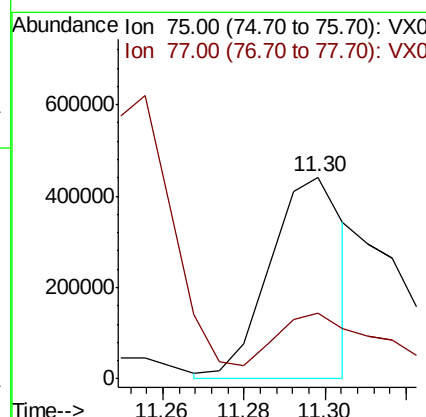
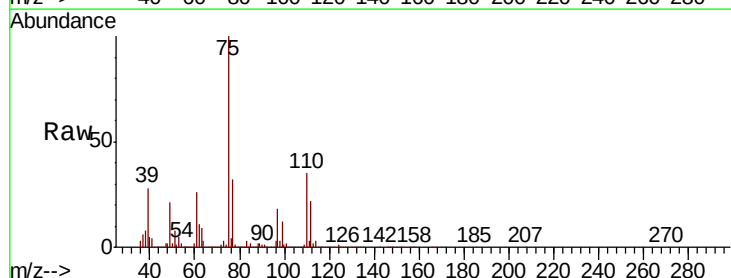
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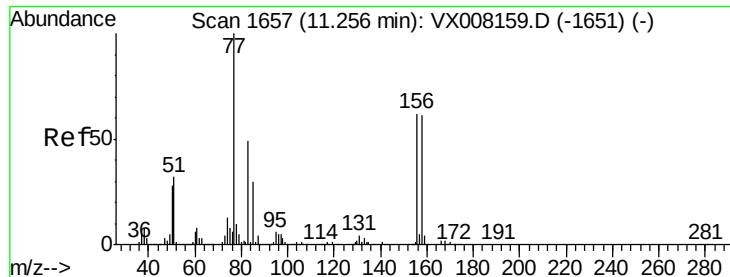
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#72
 1,2,3-Trichloropropane
 Concen: 137.315 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	558601		
77	46.7	0.0	76.4	





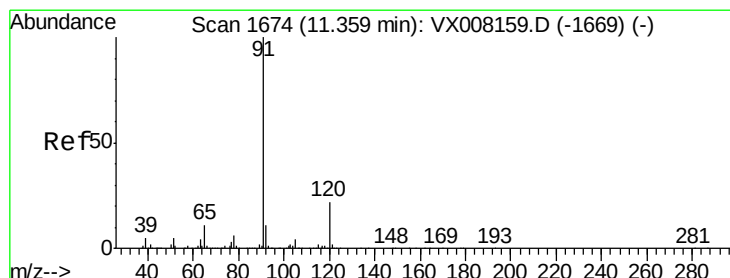
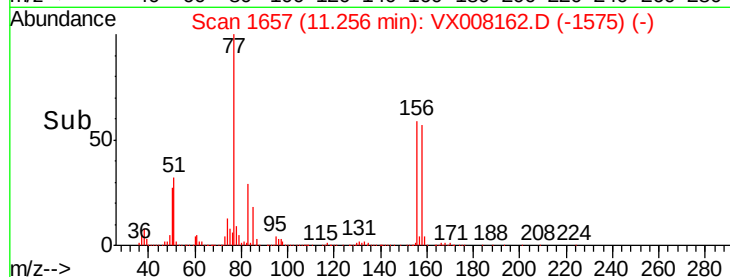
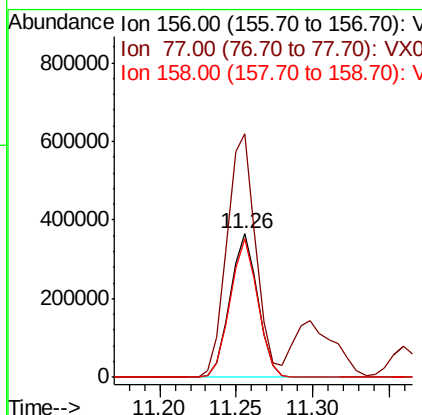
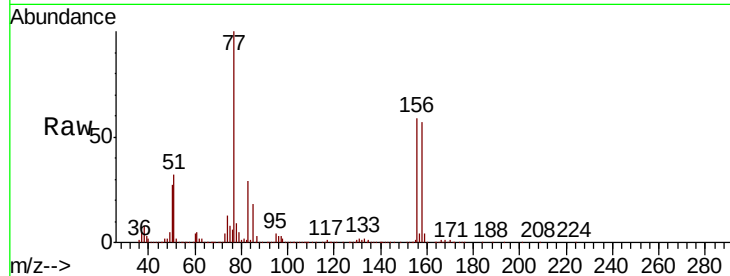
#73
Bromobenzene
Concen: 151.533 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.5	0.0	271.4
158	96.8	0.0	194.0

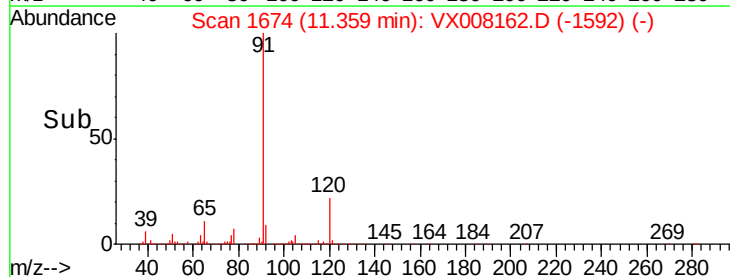
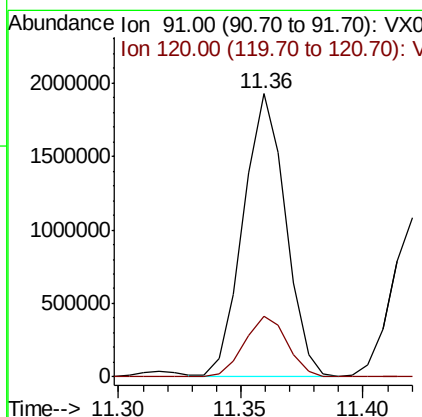
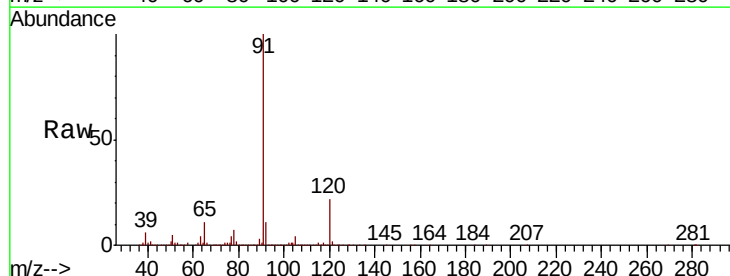
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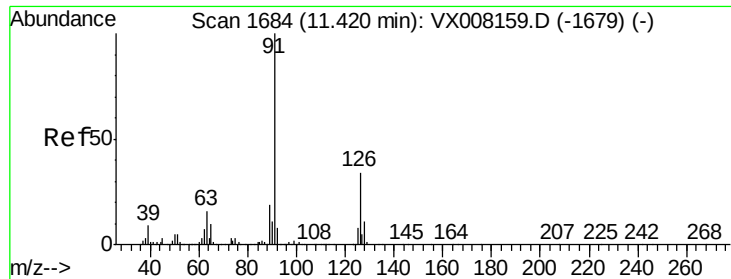
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#74
n-propylbenzene
Concen: 156.524 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	0.0	48.6





#75

2-Chlorotoluene

Concen: 150.262 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1341812

Ion Ratio Lower Upper

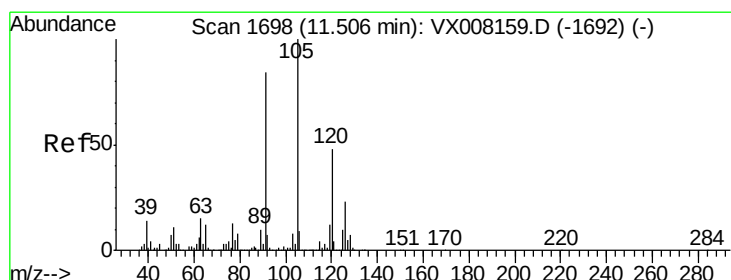
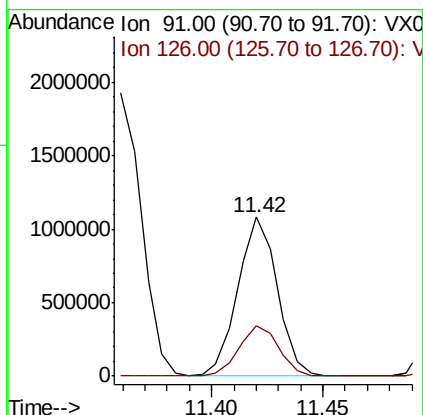
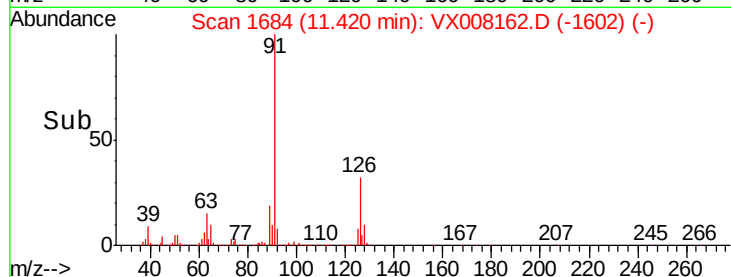
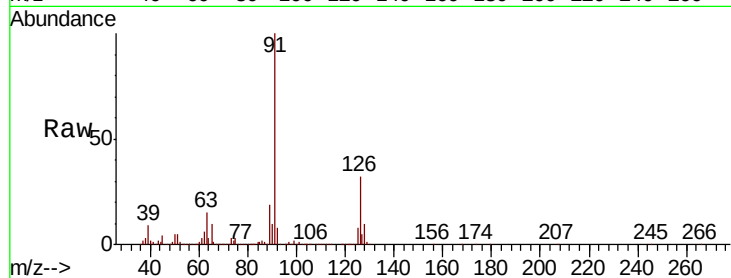
91 100

126 32.2 0.0 75.2

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 155.729 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008162.D

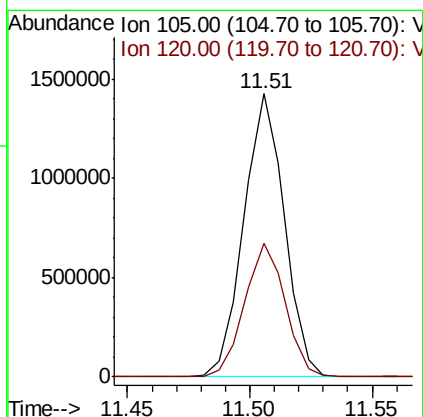
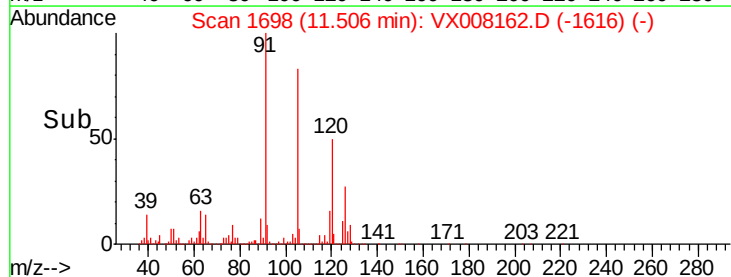
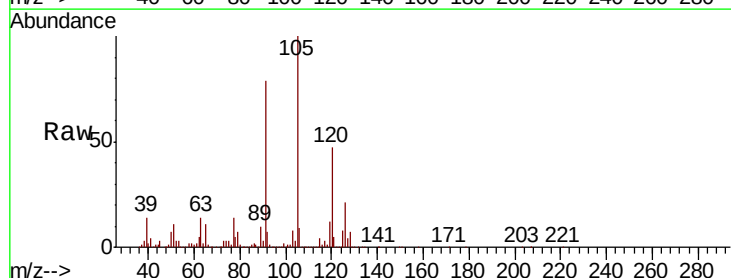
Acq: 18 Mar 2019 12:07

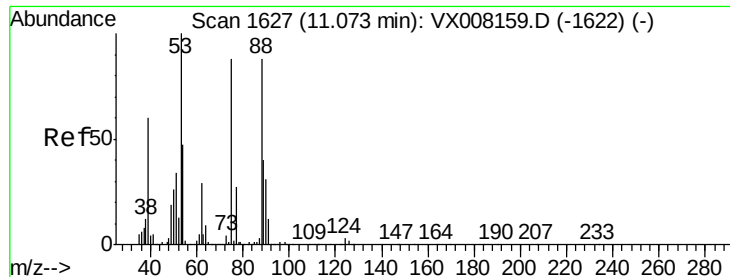
Tgt Ion: 105 Resp: 1638810

Ion Ratio Lower Upper

105 100

120 47.2 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 180.285 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 239589

Ion Ratio Lower Upper

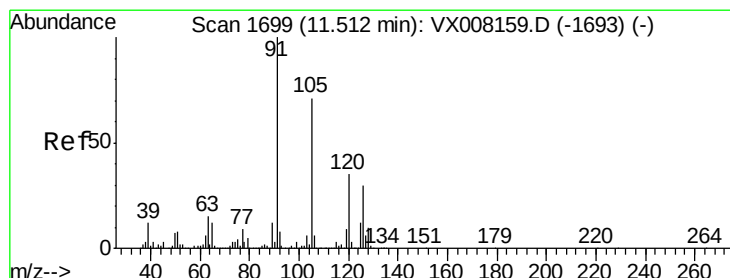
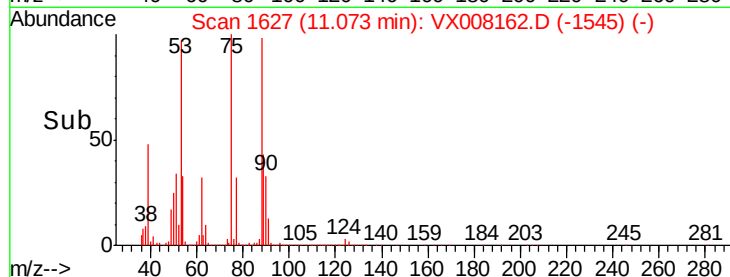
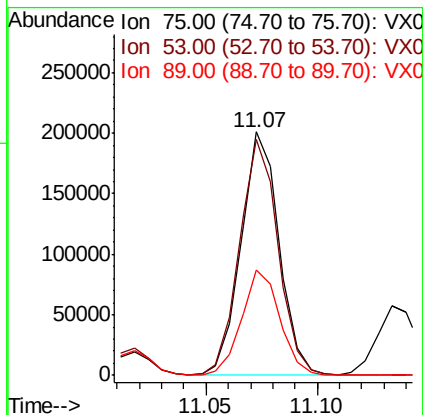
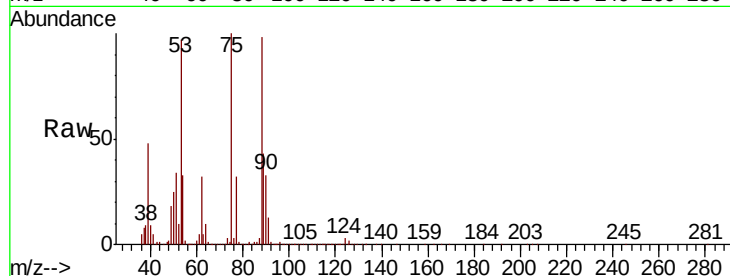
75 100

53 97.2 55.5 166.7

89 43.1 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 157.535 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008162.D

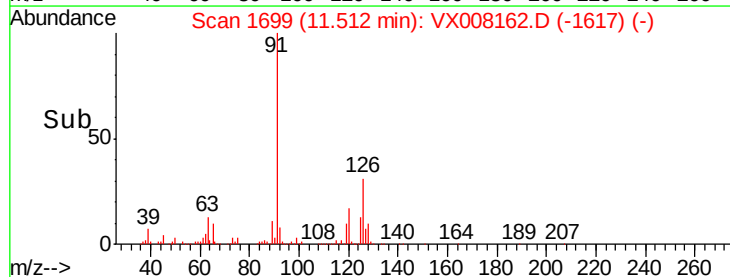
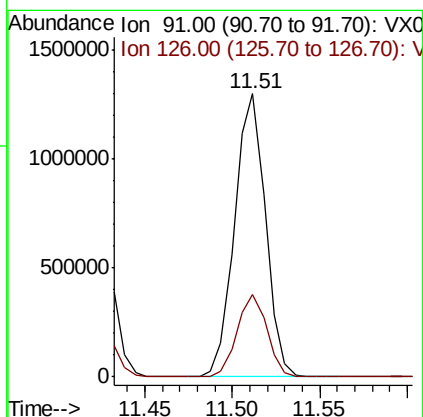
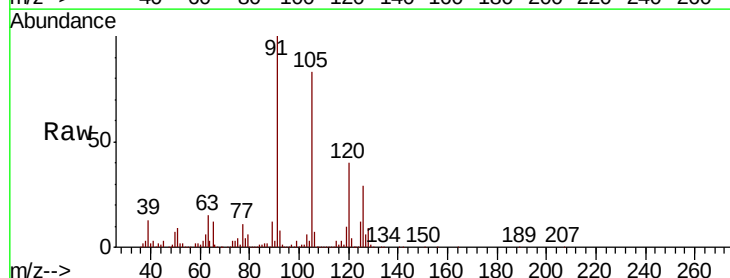
Acq: 18 Mar 2019 12:07

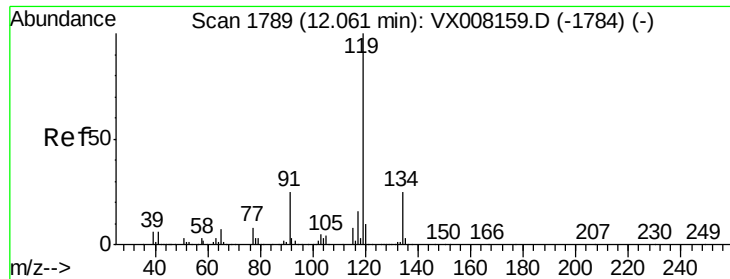
Tgt Ion: 91 Resp: 1593651

Ion Ratio Lower Upper

91 100

126 28.3 0.0 66.2





#79

tert-butylbenzene

Concen: 159.761 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1682610

Ion Ratio Lower Upper

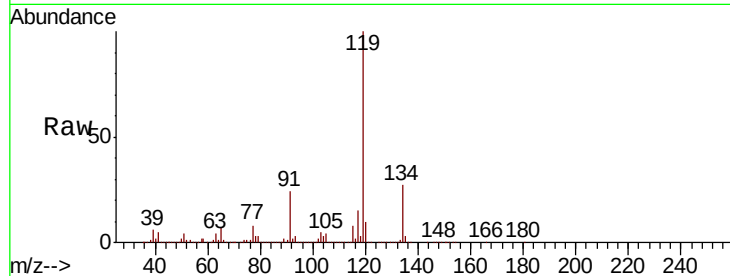
119 100

91 24.9 0.0 45.0

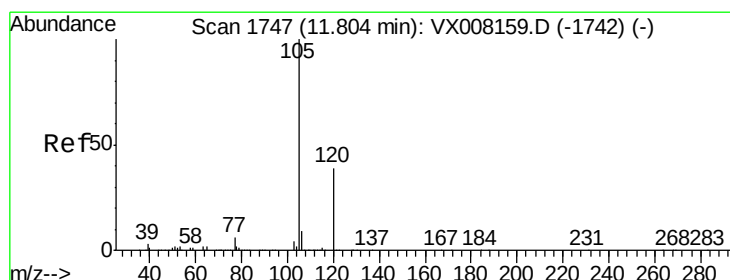
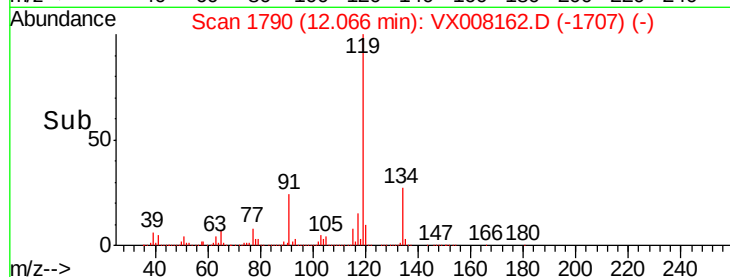
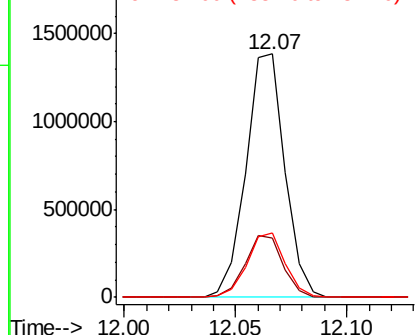
134 25.8 0.0 55.4

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 155.886 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008162.D

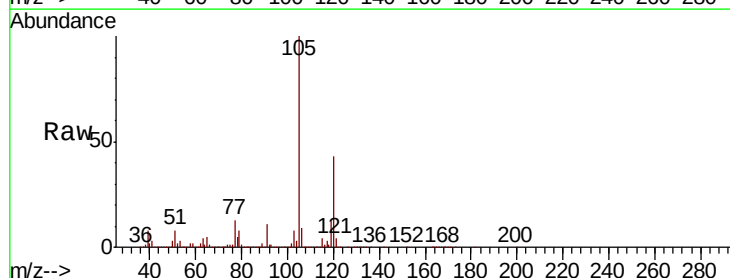
Acq: 18 Mar 2019 12:07

Tgt Ion:105 Resp: 1650318

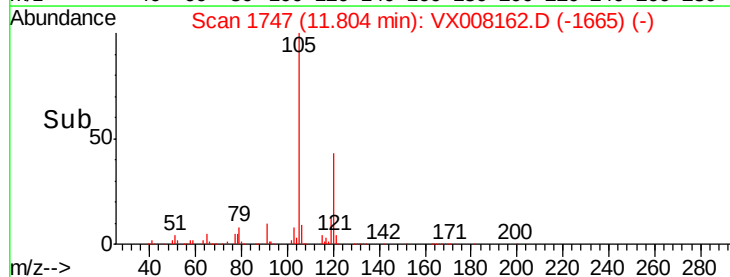
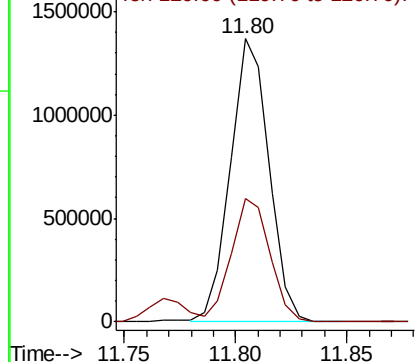
Ion Ratio Lower Upper

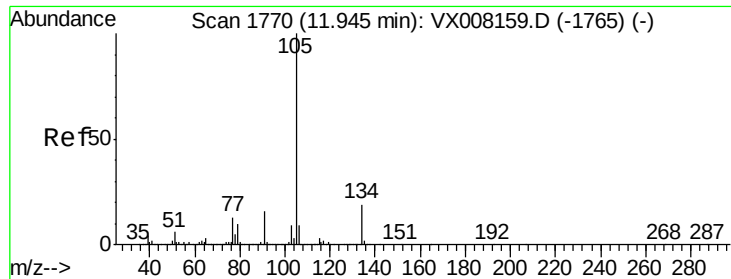
105 100

120 43.4 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





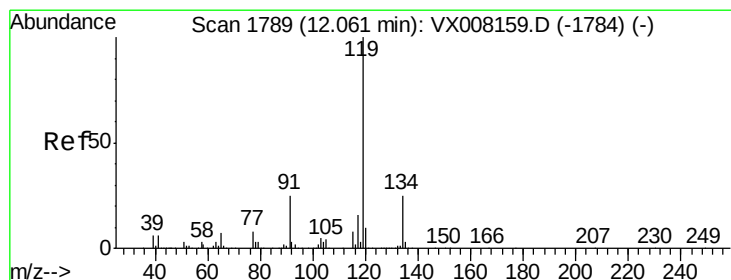
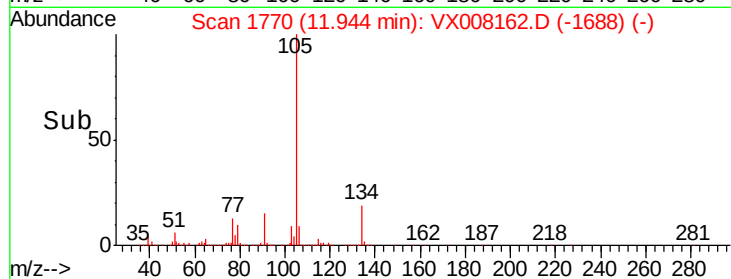
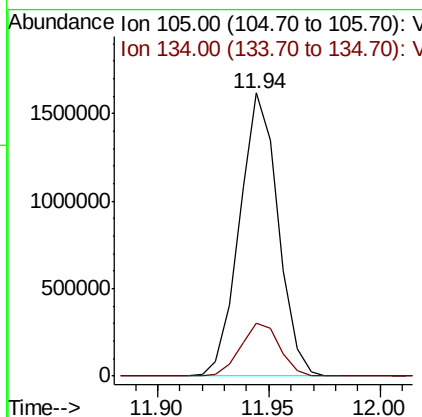
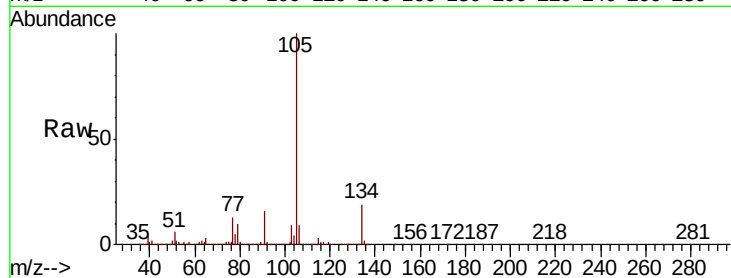
#81
 sec-Butylbenzene
 Concen: 156.000 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1946864
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 41.8

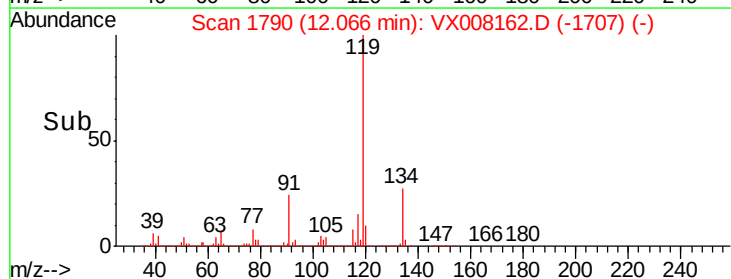
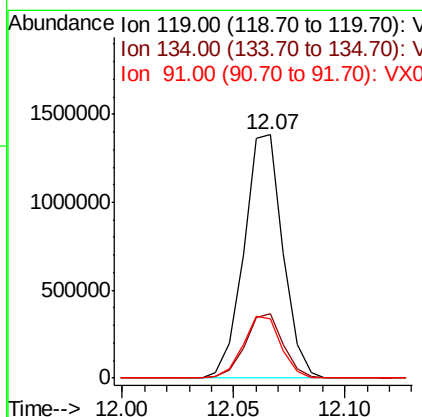
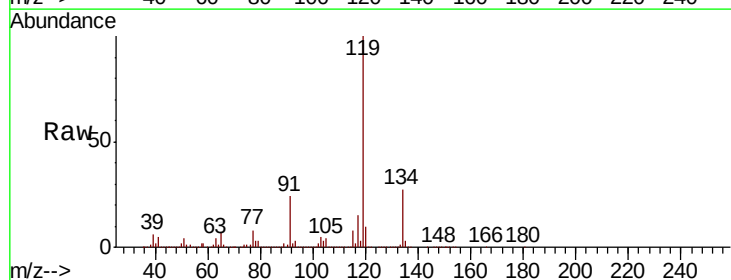
Manual Integrations
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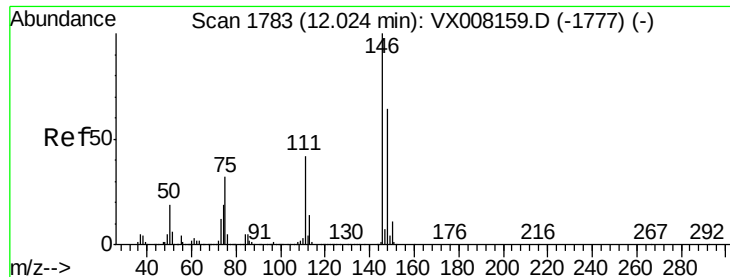
MMDadoda
 3/19/2019 9:37:06 AM



#82
 p-Isopropyltoluene
 Concen: 159.761 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion:119 Resp: 1682610
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 55.4
 91 24.9 0.0 45.0





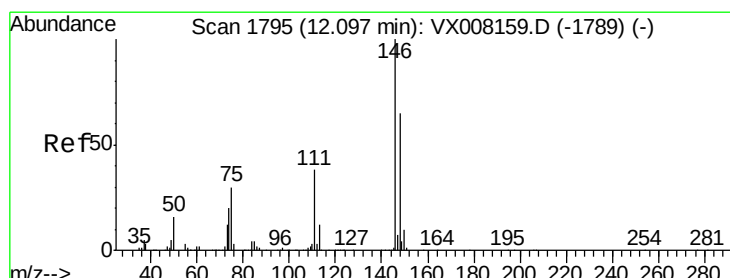
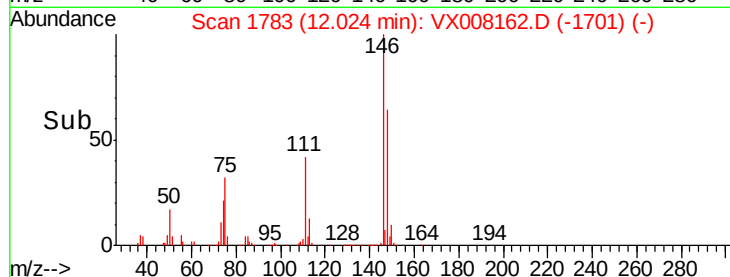
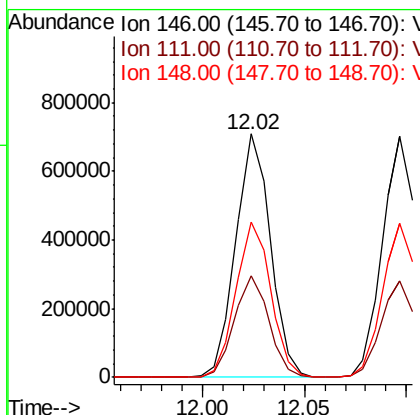
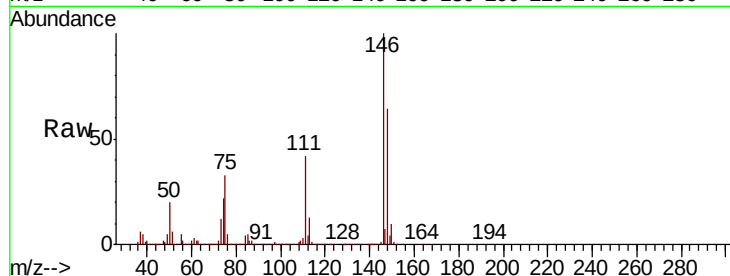
#83
 1,3-Dichlorobenzene
 Concen: 154.912 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	18.8	56.3
148	64.1	30.6	91.8

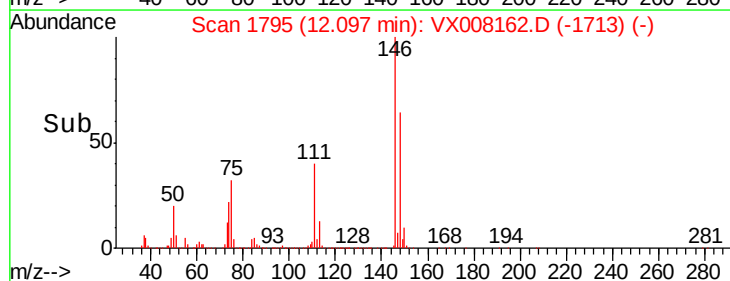
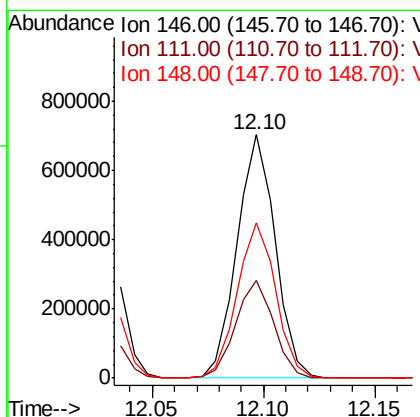
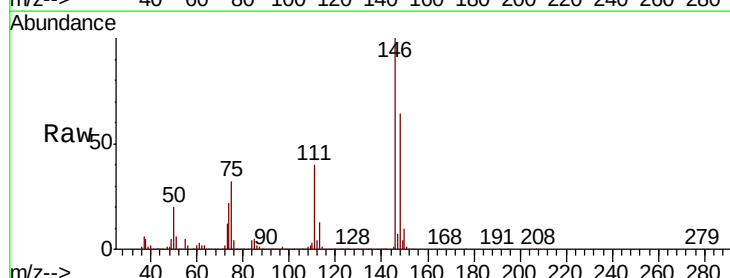
Manual Integrations
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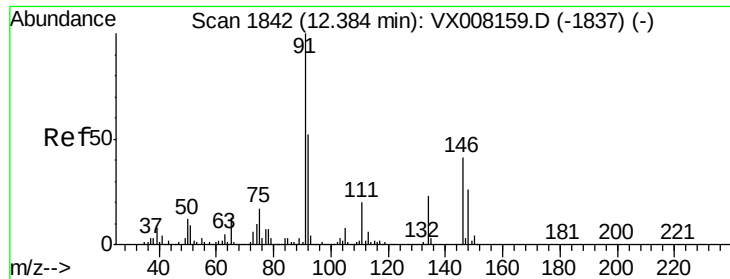
MMDadoda
 3/19/2019 9:37:06 AM



#84
 1,4-Dichlorobenzene
 Concen: 159.930 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	17.6	52.8
148	64.3	31.4	94.2





#85

n-Butylbenzene

Concen: 175.630 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX008162.D

Acq: 18 Mar 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1676943

Ion Ratio Lower Upper

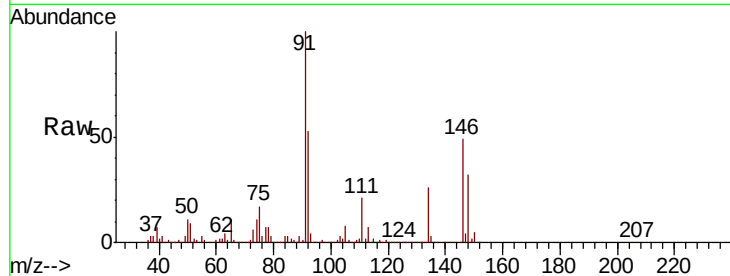
91 100

92 53.0 0.0 105.2

134 24.2 0.0 56.4

Manual Integrations
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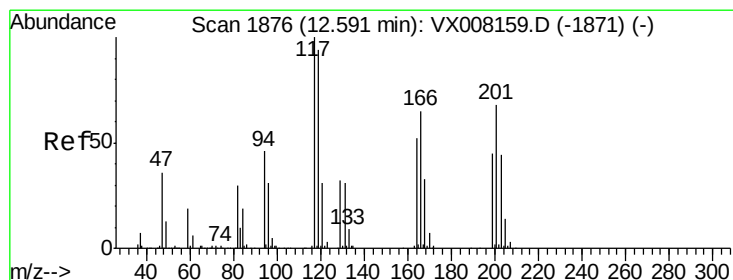
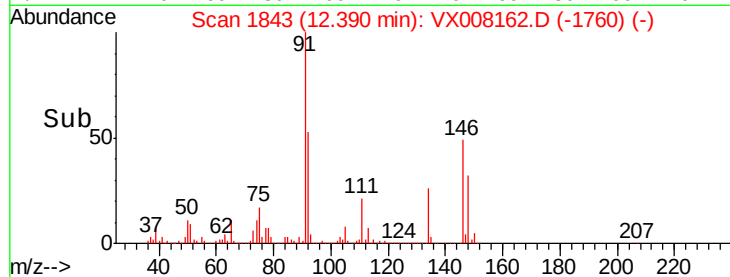
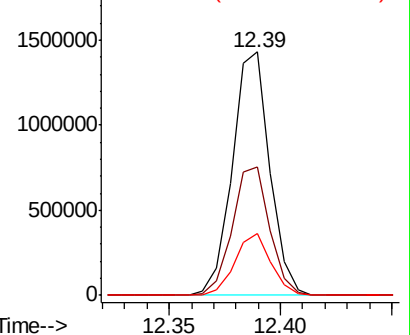
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VX008159.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX008159.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX008159.D (-1837) (-)



#86

Hexachloroethane

Concen: 171.065 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX008162.D

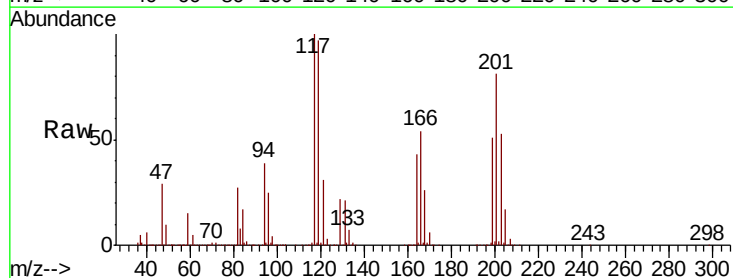
Acq: 18 Mar 2019 12:07

Tgt Ion: 117 Resp: 304531

Ion Ratio Lower Upper

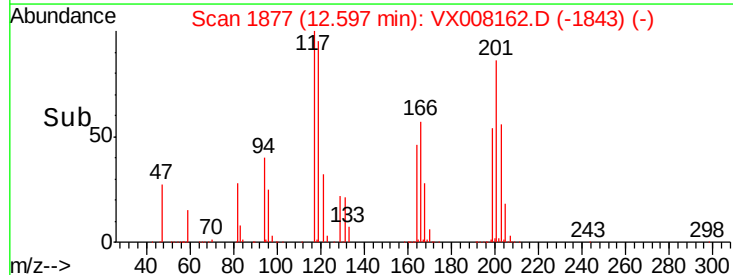
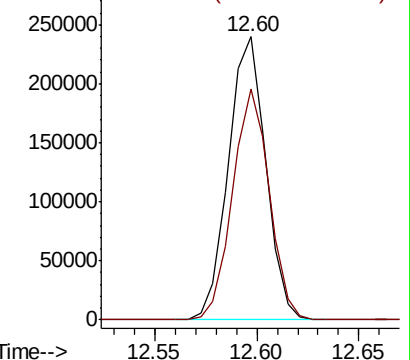
117 100

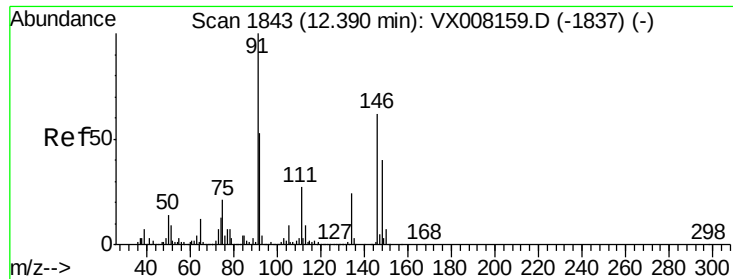
201 80.4 41.1 123.3



Abundance Ion 117.00 (116.70 to 117.70): VX008159.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX008159.D (-1871) (-)





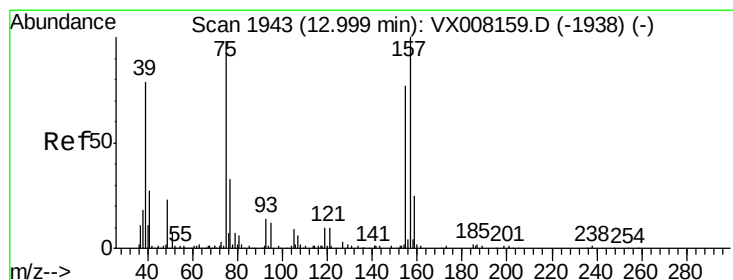
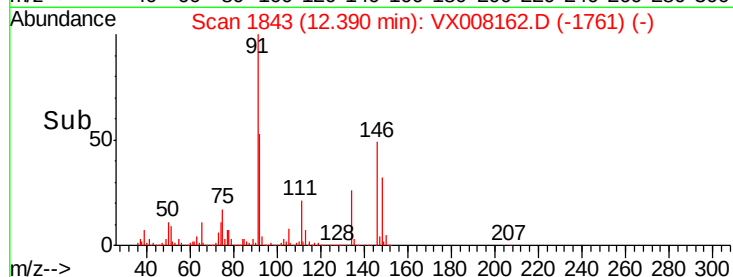
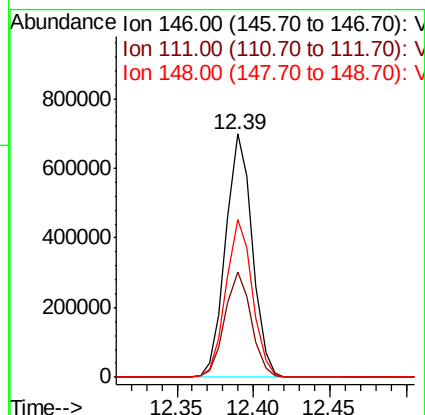
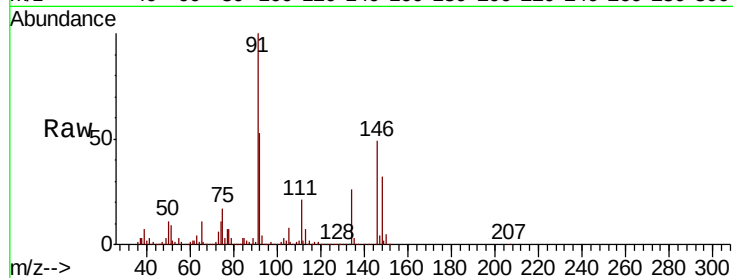
#87
 1,2-Dichlorobenzene
 Concen: 156.903 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	19.3	57.8
148	64.1	32.1	96.3

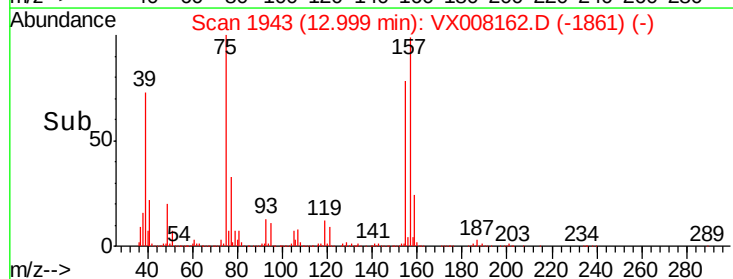
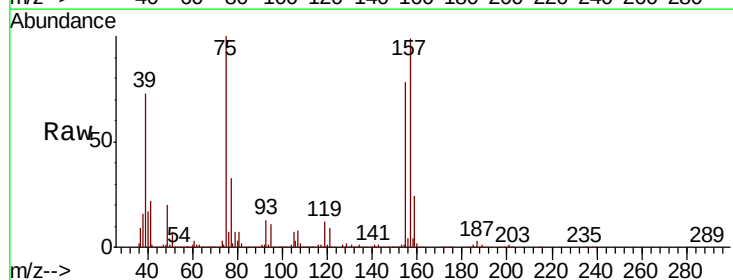
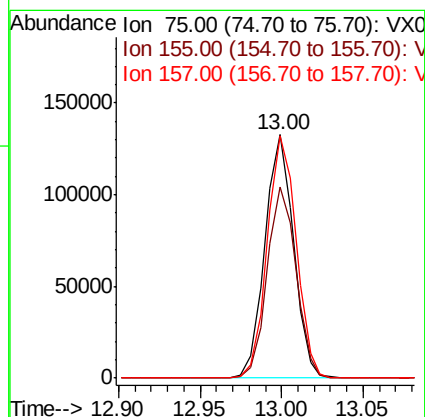
Manual Integrations
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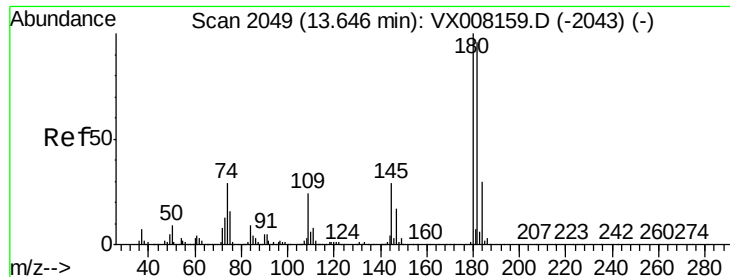
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 165.731 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	81.0	121.6#
157	100.6	103.2	154.8#





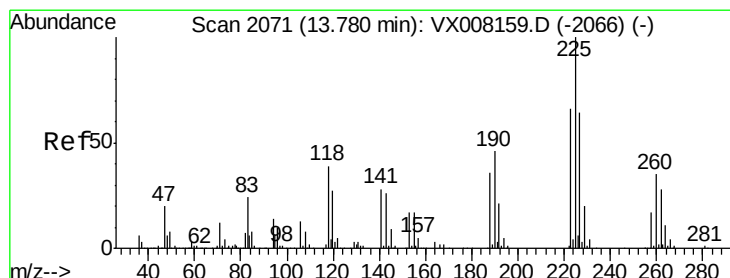
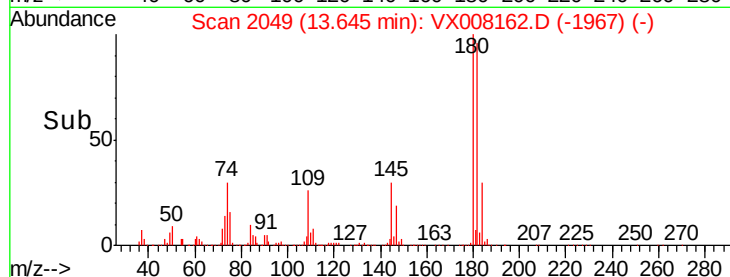
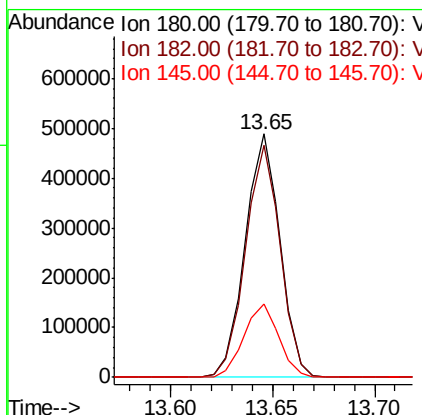
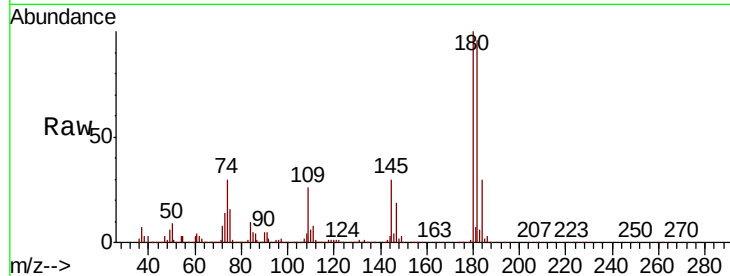
#89
 1,2,4-Trichlorobenzene
 Concen: 171.918 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	578834		
182	95.2	75.6	113.4	
145	30.3	23.0	34.6	

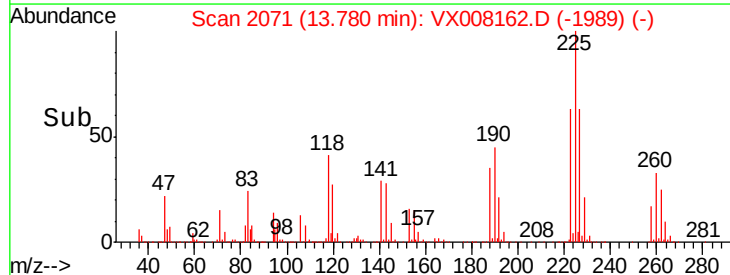
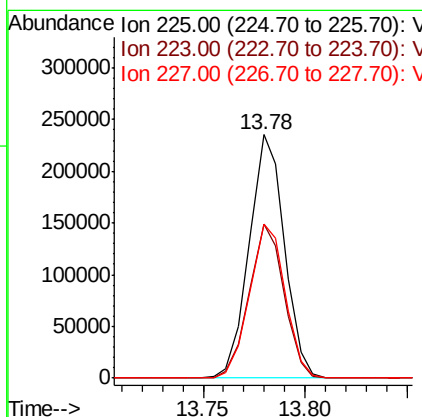
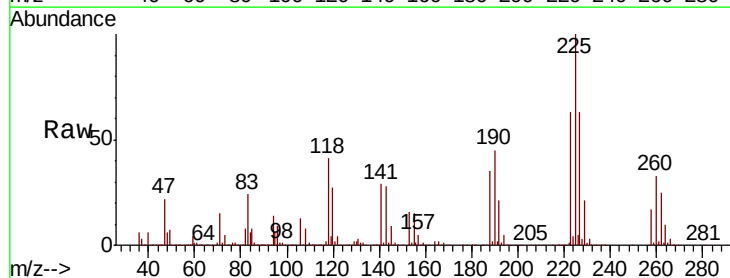
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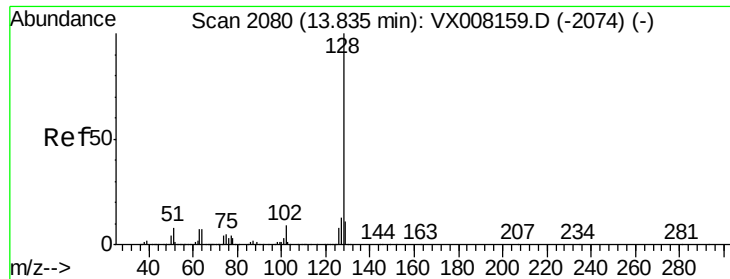
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#90
 Hexachlorobutadiene
 Concen: 162.854 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008162.D
 Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	282409		
223	63.0	0.0	123.8	
227	64.3	0.0	124.4	





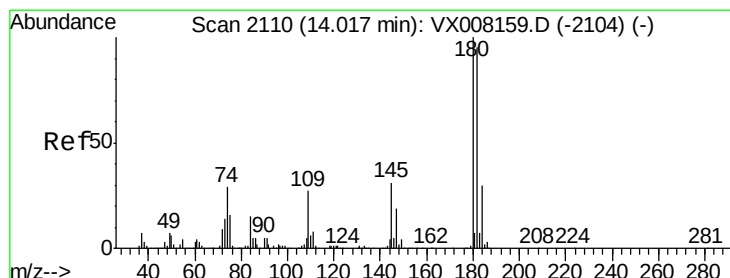
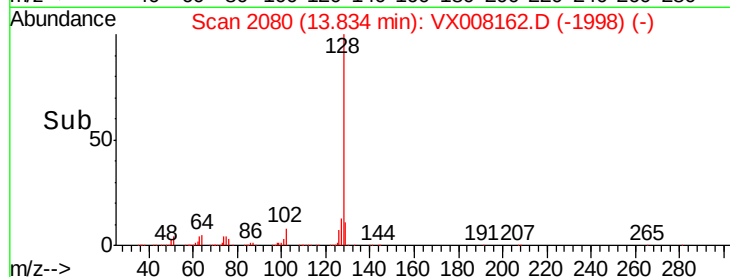
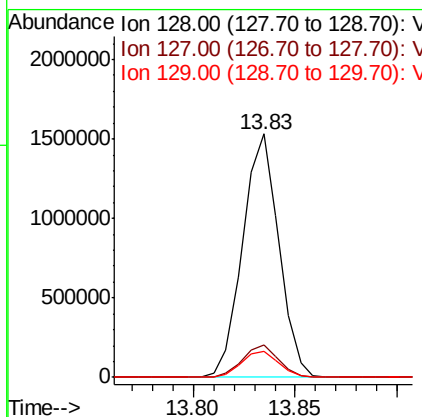
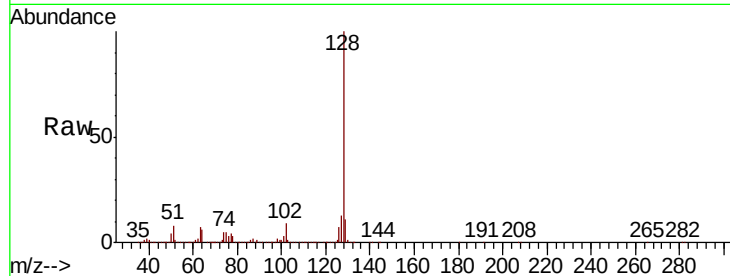
#91
Naphthalene
Concen: 170.961 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 169.710 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008162.D
Acq: 18 Mar 2019 12:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	0.0	193.0
145	32.3	0.0	63.0

