

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032719\
 Data File : VX008474.D
 Acq On : 27 Mar 2019 11:17
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:37:15 AM

Quant Time: Mar 27 12:02:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 11:27:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	38609	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	225759	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	205344	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	95406	36.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	120.53%
60) 4-Bromofluorobenzene	11.13	95	107699	32.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	107.40%
63) Toluene-d8	8.71	98	287916	31.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	271126	130.879	ug/l 98
3) Chloromethane	1.32	50	344893	162.831	ug/l 97
4) Vinyl Chloride	1.41	62	355165	148.776	ug/l 98
5) Bromomethane	1.64	94	194692	44.989	ug/l 98
6) Chloroethane	1.71	64	208134	122.675	ug/l 98
7) Trichlorofluoromethane	1.92	101	389461	102.483	ug/l 99
8) Diethyl Ether	2.19	74	180762	122.645	ug/l 78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	240818	114.582	ug/l 92
10) 1,1-Dichloroethene	2.37	96	248445	119.759	ug/l 83
11) Methyl Iodide	2.51	142	292077	93.137	ug/l 97
12) Methyl Acetate	3.20	43	201189	88.875	ug/l 92
13) Acrolein	2.29	56	310170	874.631	ug/l 97
14) Acrylonitrile	3.15	53	941966	838.479	ug/l 99
15) Acetone	2.45	58	280991	637.840	ug/l 91
16) Carbon Disulfide	2.57	76	778401	135.323	ug/l 99
17) Allyl chloride	2.73	41	568767	185.797	ug/l 89
18) Methylene Chloride	2.85	84	292614	131.028	ug/l 87
19) trans-1,2-Dichloroethene	3.16	96	265164	120.410	ug/l 89
20) Diisopropyl ether	3.86	45	1085292	169.555	ug/l # 95
21) 1,1-Dichloroethane	3.70	63	547503	144.831	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	306553	120.693	ug/l # 81
23) tert-Butyl Alcohol	3.07	59	382533	838.759	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	915438	137.352	ug/l 99
25) Chloroform	5.21	83	491104	122.467	ug/l 97
26) Cyclohexane	5.58	56	526510	157.487	ug/l # 83
29) 1,1-Dichloropropene	5.80	75	394858	123.144	ug/l 93
30) 2-Butanone	4.68	43	1441431	780.470	ug/l 94
31) 2,2-Dichloropropane	4.59	77	399084	132.195	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	408693	108.326	ug/l 95
33) Carbon Tetrachloride	5.79	117	344942	99.553	ug/l 98
34) Benzene	6.14	78	1187348	124.313	ug/l # 96
35) Methacrylonitrile	5.04	41	295867	171.982	ug/l 93
36) 1,2-Dichloroethane	6.19	62	417119	118.484	ug/l 97
37) Trichloroethene	7.21	130	275892	98.244	ug/l 81
38) Methylcyclohexane	7.46	83	491978	122.424	ug/l 89
39) 1,2-Dichloropropane	7.51	63	336488	138.453	ug/l 99
40) Dibromomethane	7.66	93	196142	110.038	ug/l 89

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

41) Bromodichloromethane	7.90	83	395795	117.018	ug/l	99
42) Vinyl Acetate	3.82	43	4899740	789.317	ug/l #	94
43) Ethyl Acetate	4.84	43	527289m	161.744	ug/l	
44) Isopropyl Acetate	6.45	43	860111	167.648	ug/l	98
45) 1,4-Dioxane	7.74	88	162692	2521.209	ug/l #	84
46) Methyl methacrylate	7.77	41	439920	174.753	ug/l	88
47) n-amyl Acetate	10.90	43	798734	181.587	ug/l	93
48) t-1,3-Dichloropropene	9.04	75	473000	139.675	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	513192	135.808	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	290457	113.427	ug/l	97
51) Ethyl methacrylate	9.18	69	565129	151.164	ug/l	92
52) 1,3-Dichloropropane	9.37	76	518709	126.304	ug/l	99
53) Dibromochloromethane	9.59	129	301714	104.522	ug/l	99
54) 1,2-Dibromoethane	9.67	107	302704	107.741	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	1572001	835.777	ug/l	95
56) Bromoform	10.85	173	229178	100.564	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	2821569	816.100	ug/l	96
59) 2-Hexanone	9.49	43	2186150	799.347	ug/l	97
61) Tetrachloroethene	9.34	164	225287	81.503	ug/l	98
62) Toluene	8.79	91	1247506	114.453	ug/l	100
64) Chlorobenzene	10.14	112	745666	106.116	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	269536	100.432	ug/l	98
66) Ethyl Benzene	10.25	91	1411309	119.727	ug/l	96
67) m/p-Xylenes	10.36	106	1039932	221.970	ug/l	91
68) o-Xylene	10.70	106	504035	111.993	ug/l	92
69) Styrene	10.71	104	901811	118.687	ug/l	96
70) Isopropylbenzene	11.02	105	1325639	111.952	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	496853	123.051	ug/l	97
72) 1,1,2,3-Trichloropropane	11.30	75	415575m	127.768	ug/l	
73) Bromobenzene	11.26	156	324622	99.085	ug/l	79
74) n-propylbenzene	11.36	91	1601147	121.311	ug/l	95
75) 2-Chlorotoluene	11.42	91	950667	120.608	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	1149276	113.613	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	184981	160.537	ug/l	88
78) 4-Chlorotoluene	11.51	91	1105957	119.218	ug/l	92
79) tert-butylbenzene	12.06	119	1181858	111.070	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	1148162	114.223	ug/l	95
81) sec-Butylbenzene	11.94	105	1307673	113.335	ug/l	96
82) p-Isopropyltoluene	12.06	119	1181858	111.070	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	577080	101.484	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	576357	101.781	ug/l	96
85) n-Butylbenzene	12.38	91	1156994	126.408	ug/l	97
86) Hexachloroethane	12.60	117	208552	113.721	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	569310	101.519	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	111705	120.850	ug/l #	78
89) 1,2,4-Trichlorobenzene	13.65	180	399908	100.759	ug/l	99
90) Hexachlorobutadiene	13.78	225	187953	94.070	ug/l	98
91) Naphthalene	13.83	128	1327365	111.351	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	390626	97.353	ug/l	99

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ClientSampleId :
VSTDICC100

Manual Integrations
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QLast Update : Wed Mar 27 11:27:58 2019
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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

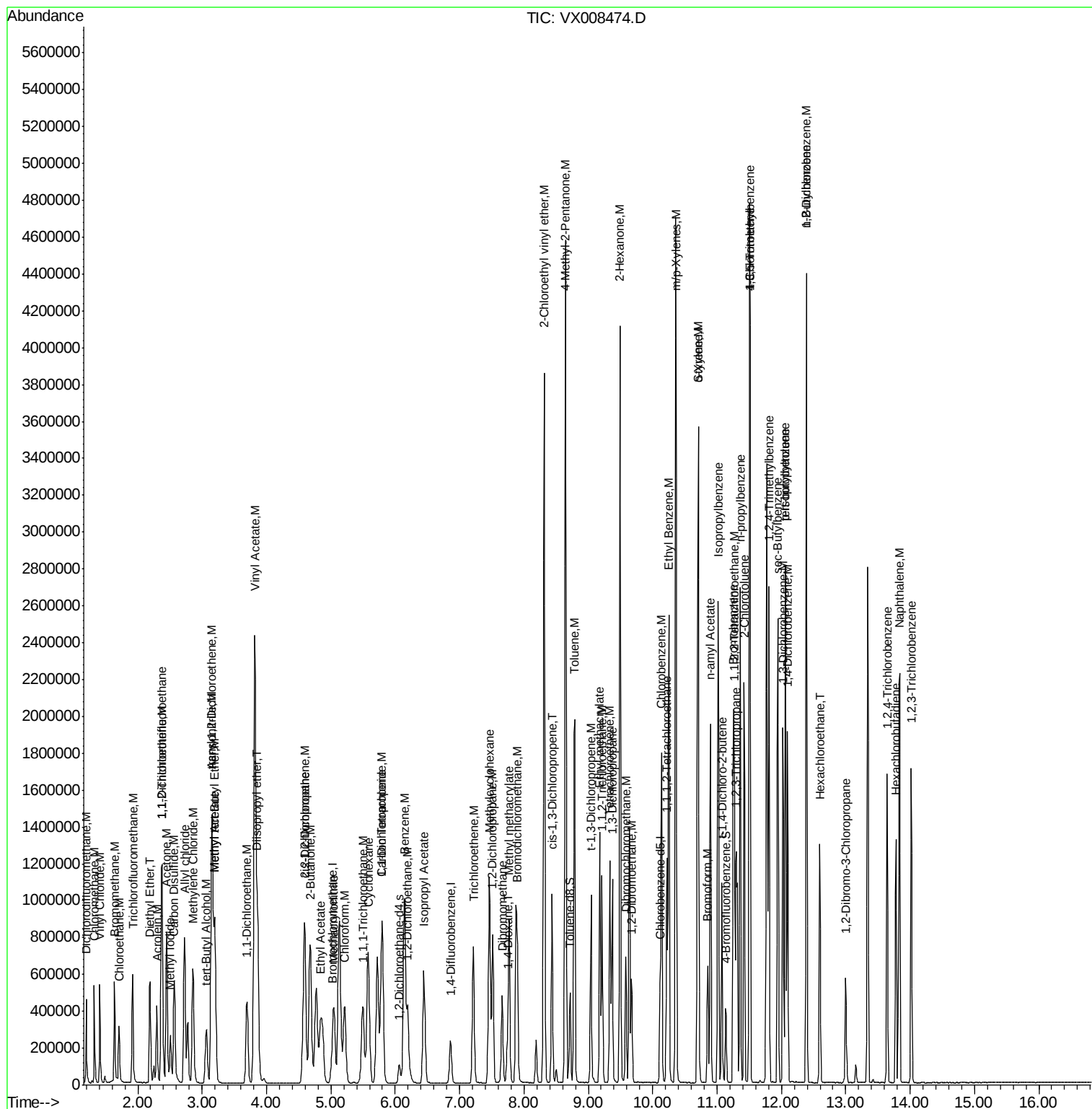
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Data File : VX008474.D
Acq On : 27 Mar 2019 11:17
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

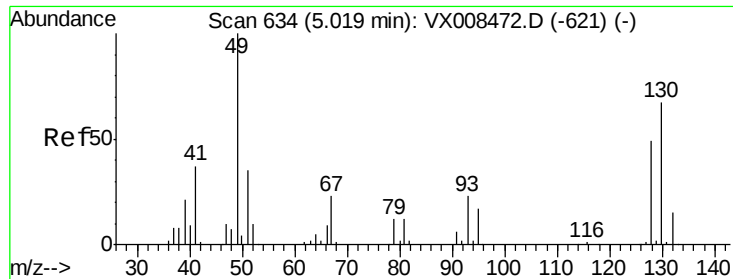
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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MMDadoda
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#1

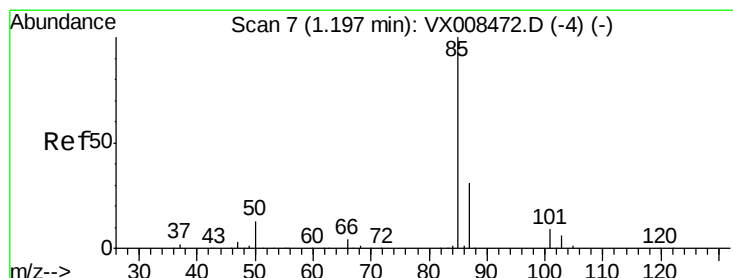
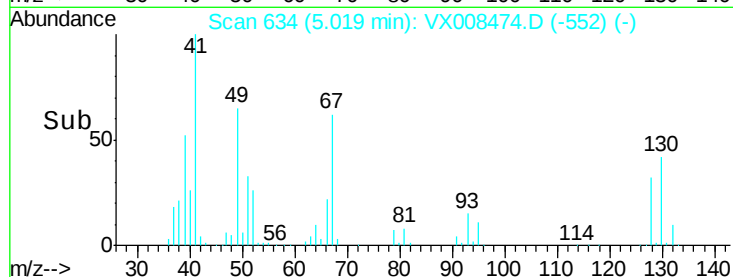
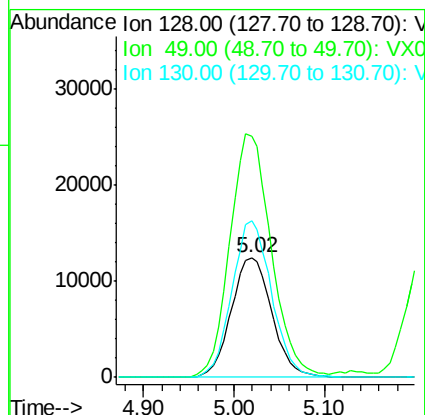
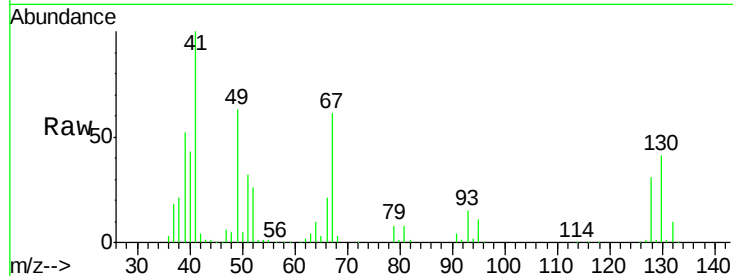
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	207.7	0.0	350.8
130	127.3	0.0	325.8

Manual Integrations
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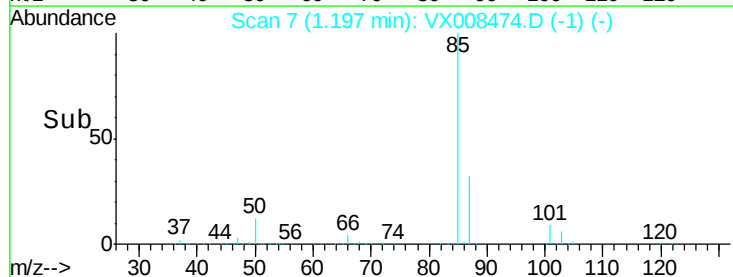
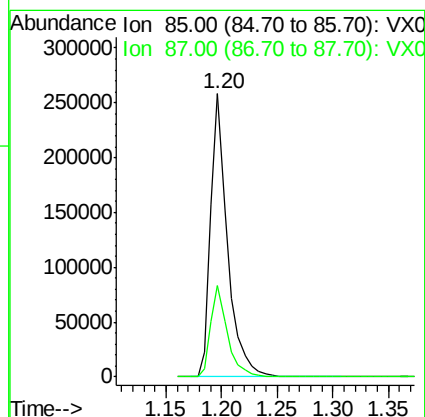
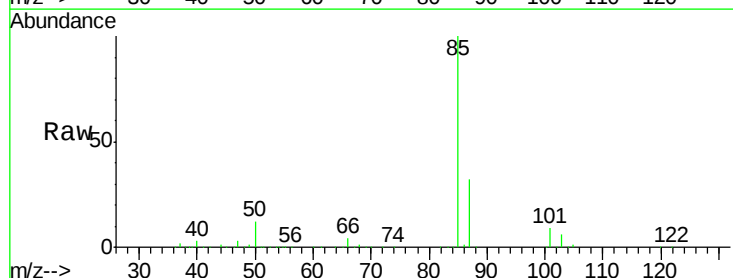
MMDadoda
3/28/2019 9:37:15 AM

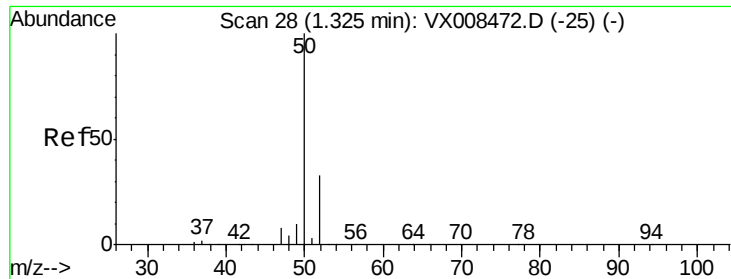


#2

Dichlorodifluoromethane
Concen: 130.879 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8





#3

Chloromethane

Concen: 162.831 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 344893

Ion Ratio Lower Upper

50 100

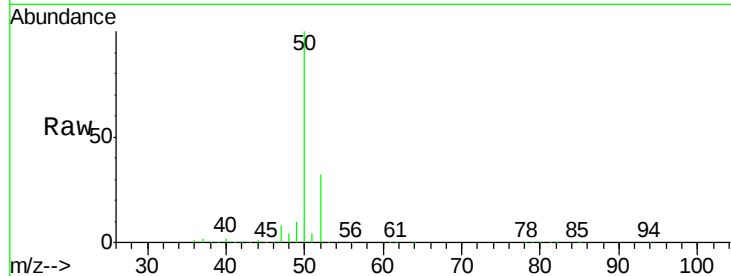
52 32.4 27.5 41.3

Manual Integrations

APPROVED

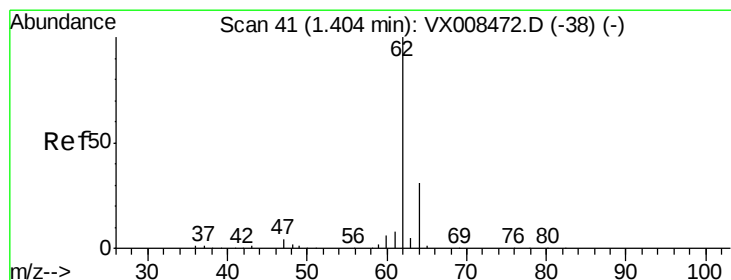
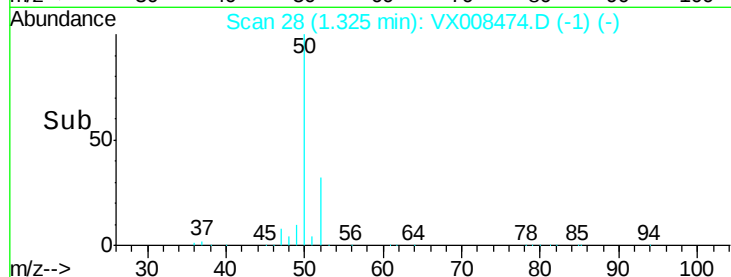
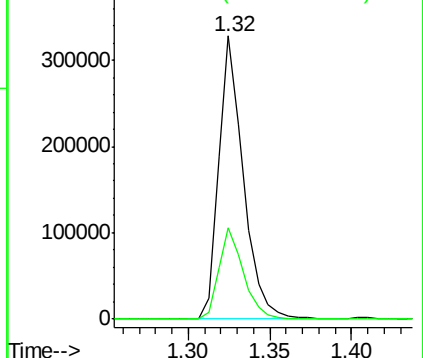
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 148.776 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX008474.D

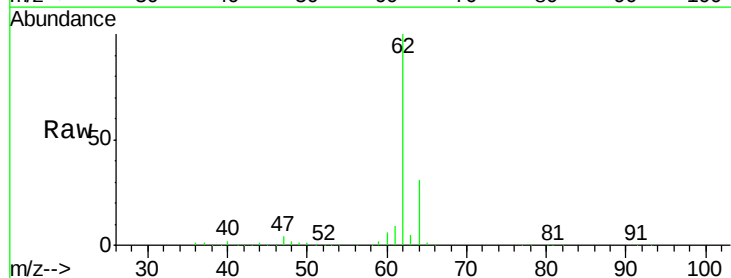
Acq: 27 Mar 2019 11:17

Tgt Ion: 62 Resp: 355165

Ion Ratio Lower Upper

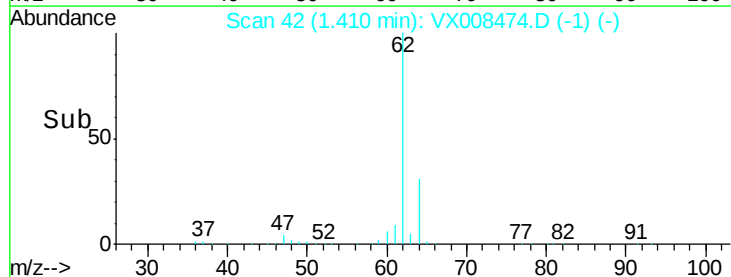
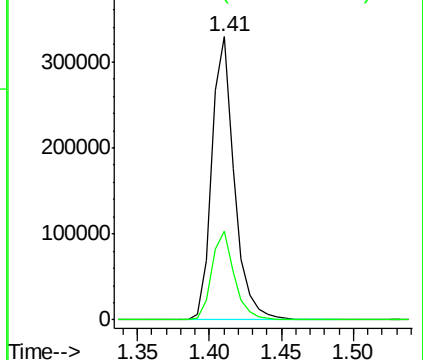
62 100

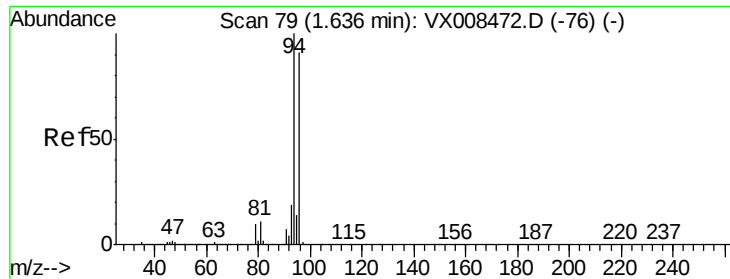
64 31.3 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 44.989 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 194692

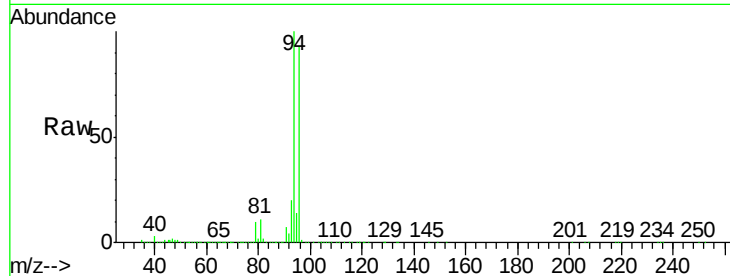
Ion Ratio Lower Upper

94 100

96 92.8 75.6 113.4

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

200000

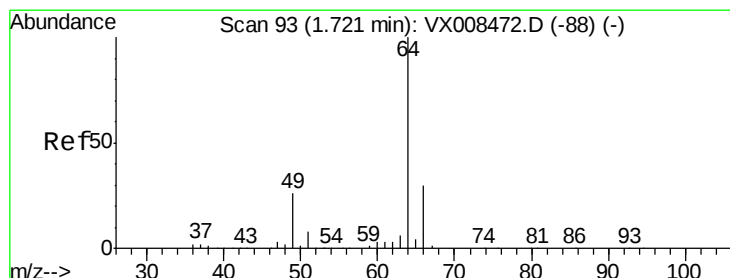
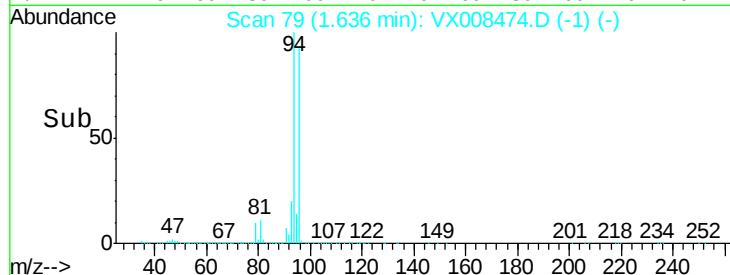
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 122.675 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008474.D

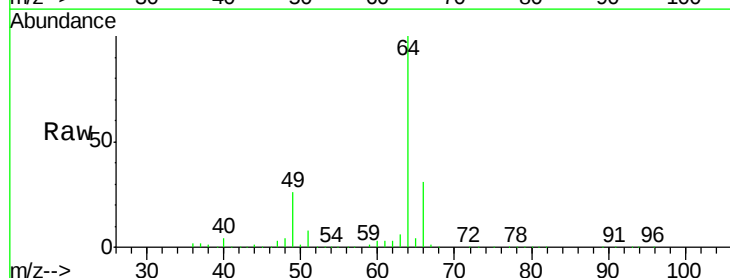
Acq: 27 Mar 2019 11:17

Tgt Ion: 64 Resp: 208134

Ion Ratio Lower Upper

64 100

66 30.9 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.71

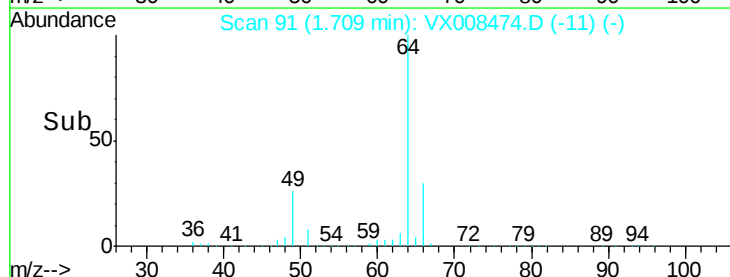
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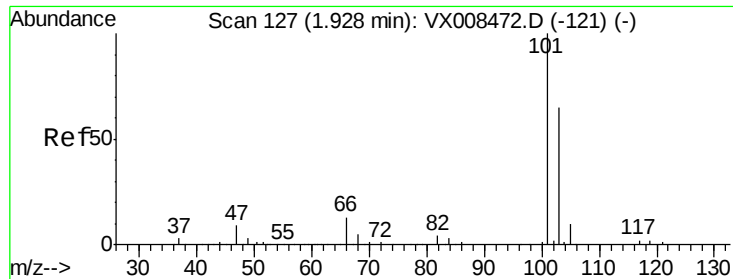
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50000

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Time-->





#7

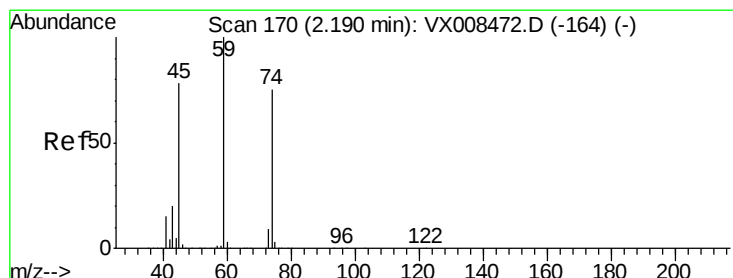
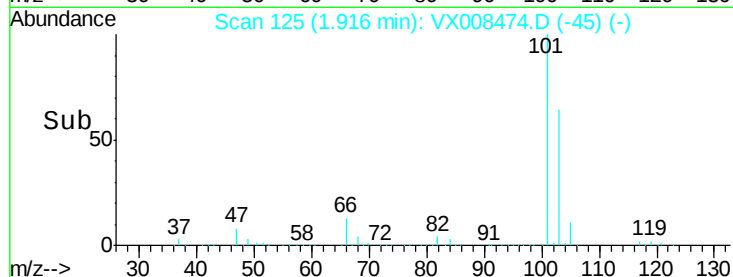
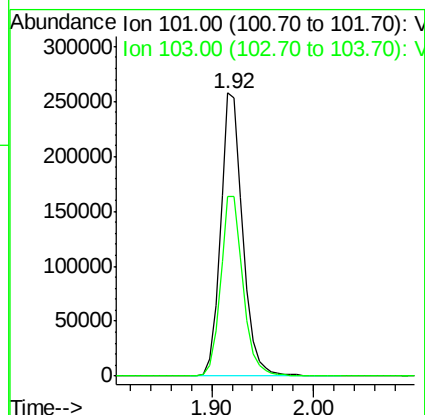
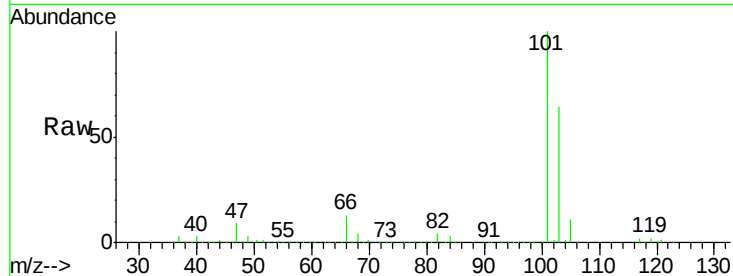
Trichlorofluoromethane
Concen: 102.483 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		389461		
103	63.7	50.4	75.6		

Manual Integrations
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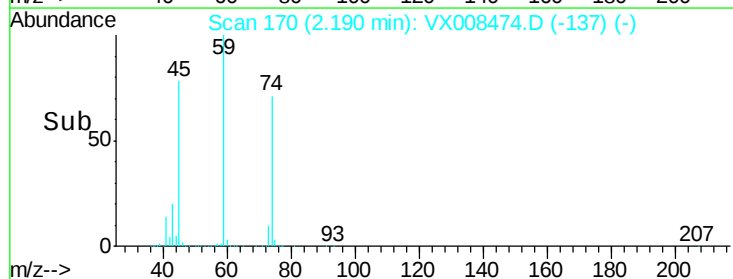
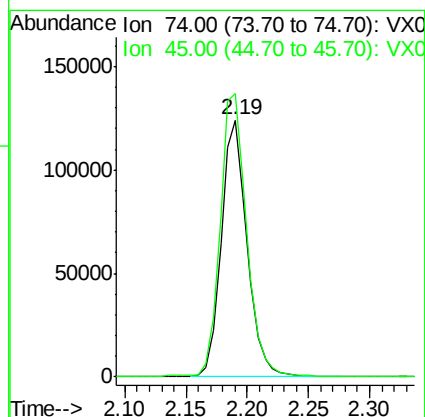
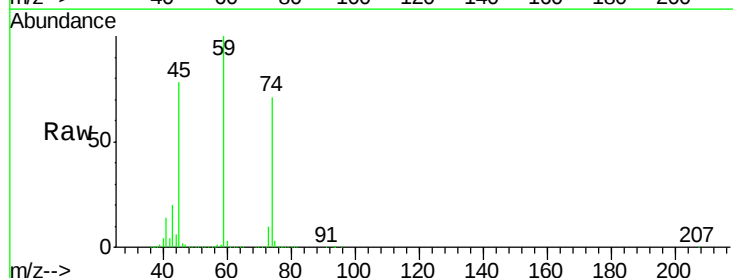
MMDadoda
3/28/2019 9:37:15 AM

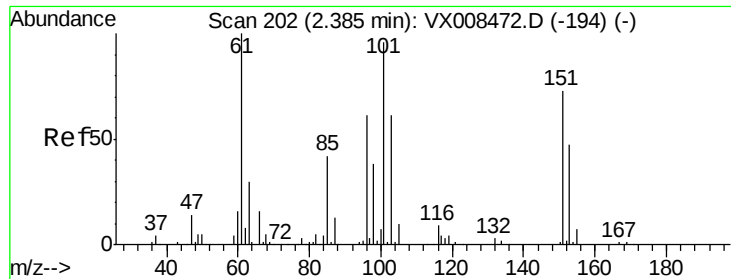


#8

Diethyl Ether
Concen: 122.645 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		180762		
45	114.3	18.6	167.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 114.582 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008474.D

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Instrument :

MSVOA_X

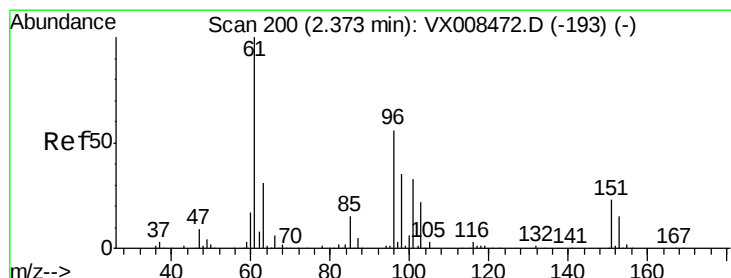
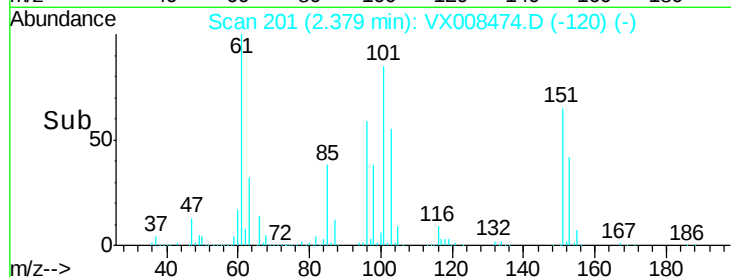
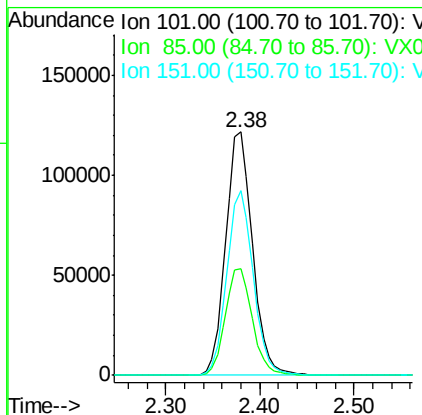
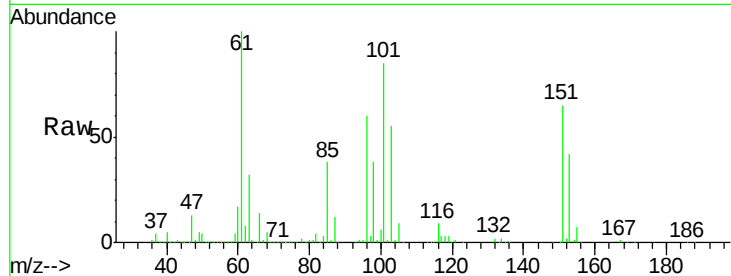
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	240818		
85	44.4	0.0	86.8	
151	75.0	0.0	169.2	

Manual Integrations
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3/28/2019 9:37:15 AM



#10

1,1-Dichloroethene

Concen: 119.759 ug/l

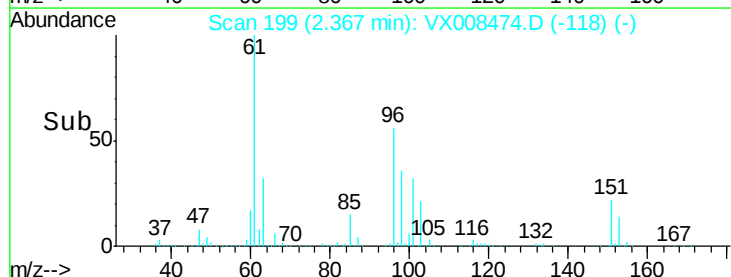
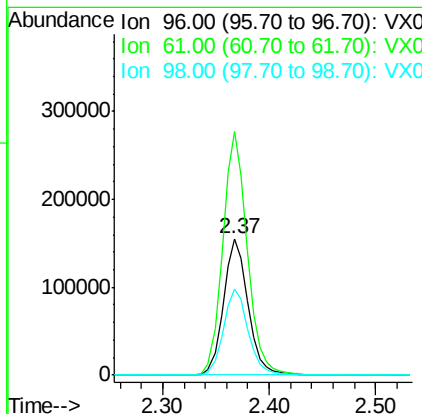
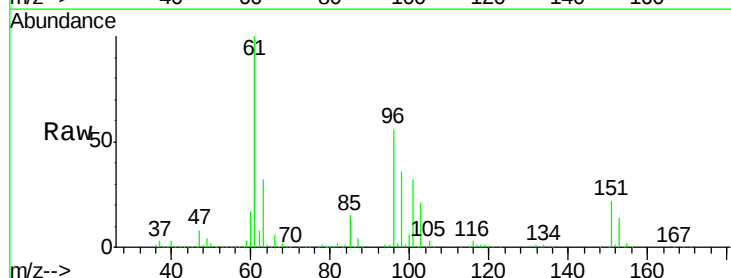
RT: 2.37 min Scan# 199

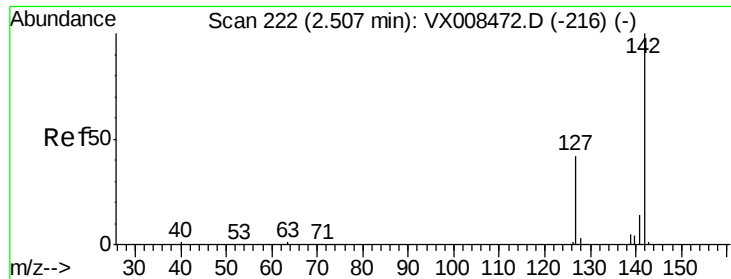
Delta R.T. -0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	248445		
61	178.7	120.2	180.2	
98	63.6	49.0	73.4	





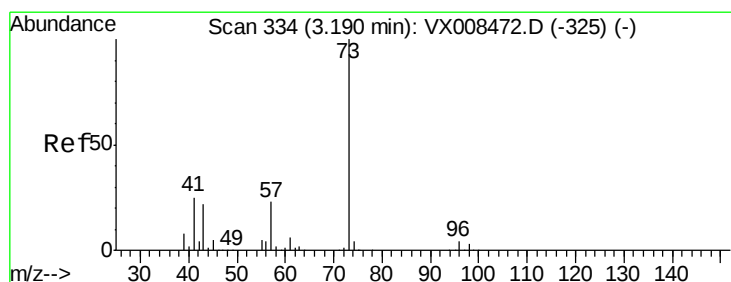
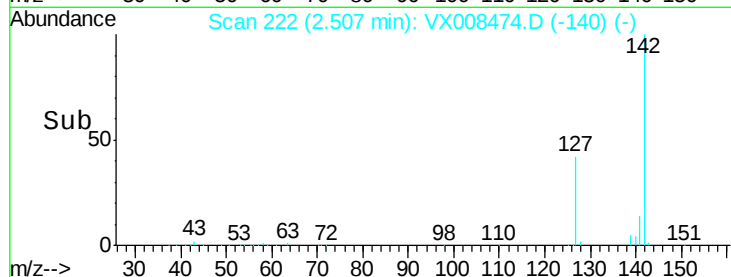
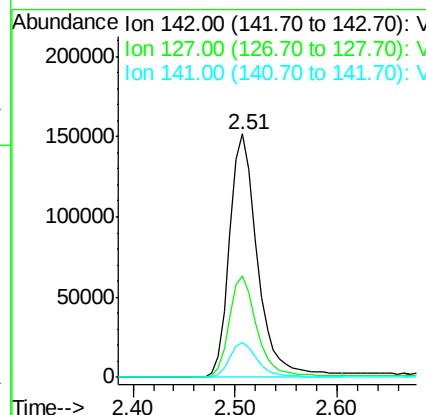
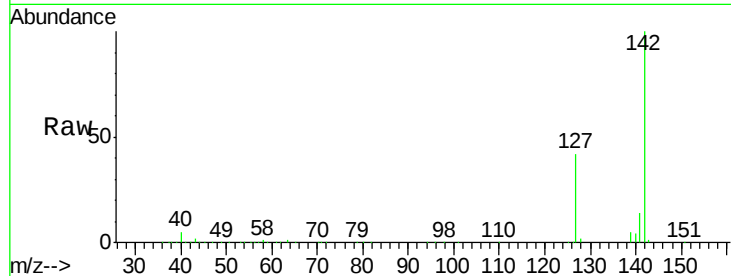
#11
Methvl Iodide
Concen: 93.137 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	22.1	66.5
141	14.1	7.4	22.3

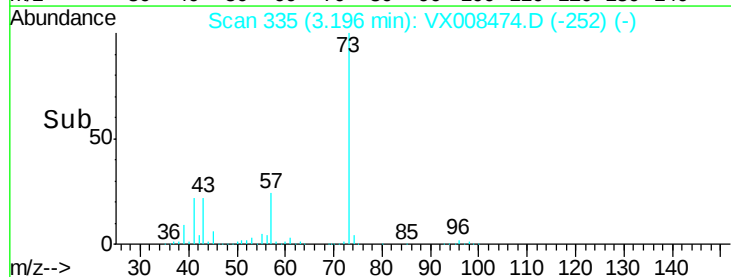
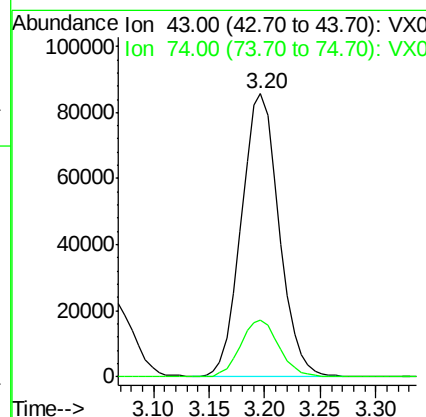
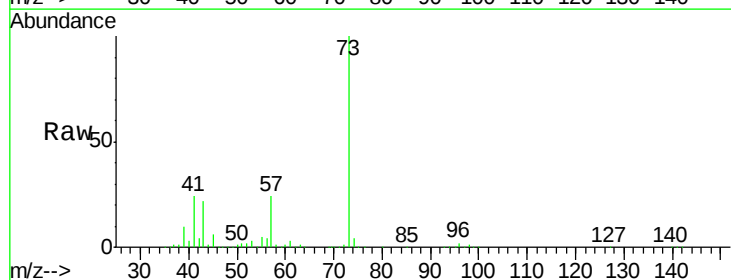
Manual Integrations
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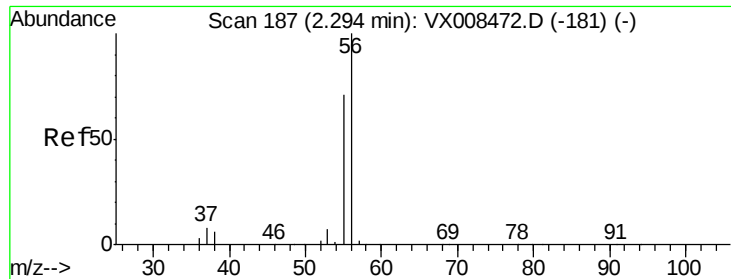
MMDadoda
3/28/2019 9:37:15 AM



#12
Methyl Acetate
Concen: 88.875 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	19.4	29.0





#13

Acrolein

Concen: 874.631 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 310170

Ion Ratio Lower Upper

56 100

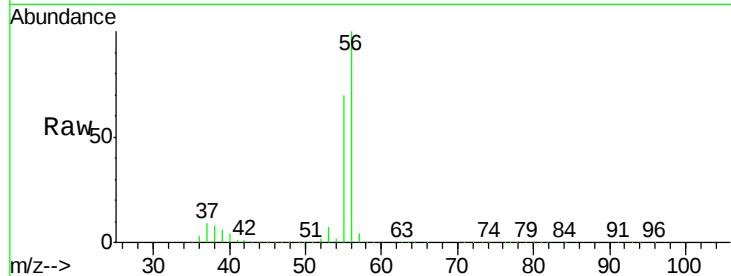
55 70.3 58.6 87.8

Manual Integrations

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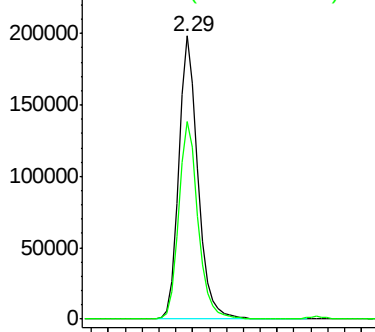
MMDadoda

3/28/2019 9:37:15 AM

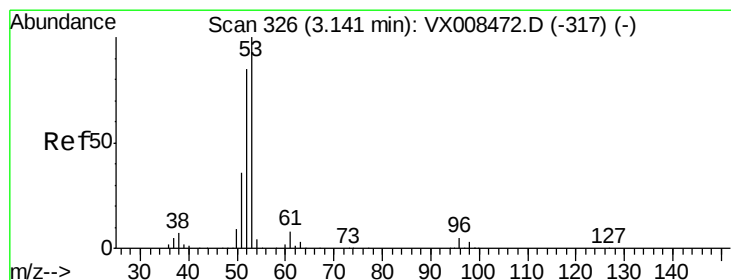
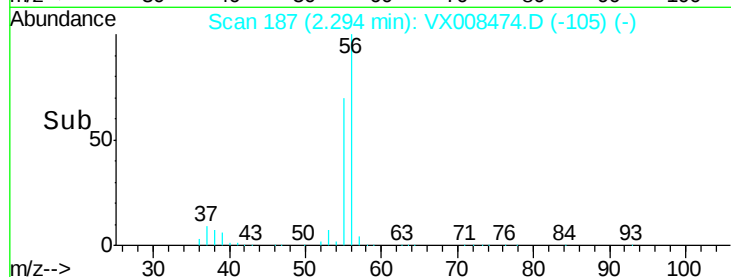


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Acrylonitrile

Concen: 838.479 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

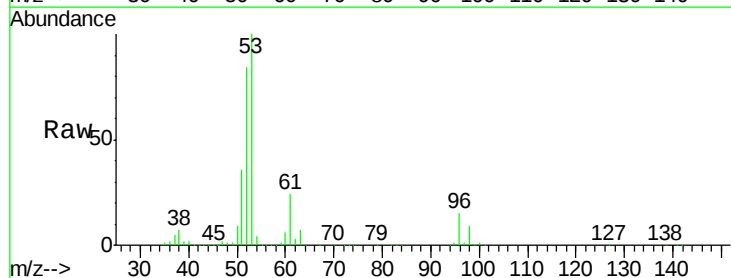
Tgt Ion: 53 Resp: 941966

Ion Ratio Lower Upper

53 100

52 83.5 41.3 124.1

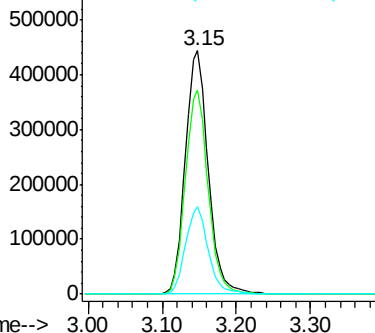
51 35.5 17.5 52.6



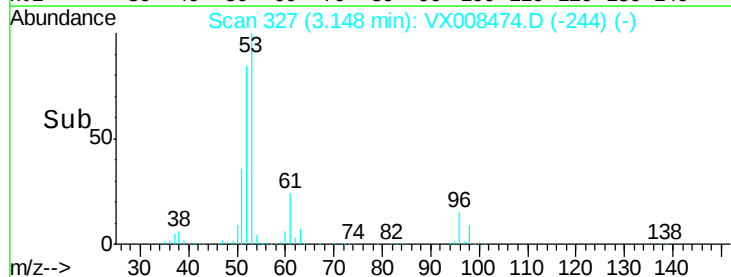
Abundance Ion 53.00 (52.70 to 53.70): VX0

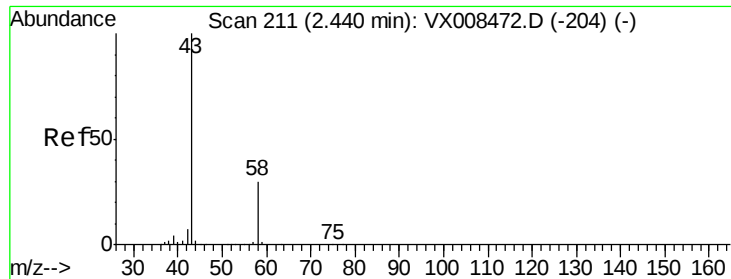
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#15

Acetone

Concen: 637.840 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 280991

Ion Ratio Lower Upper

58 100

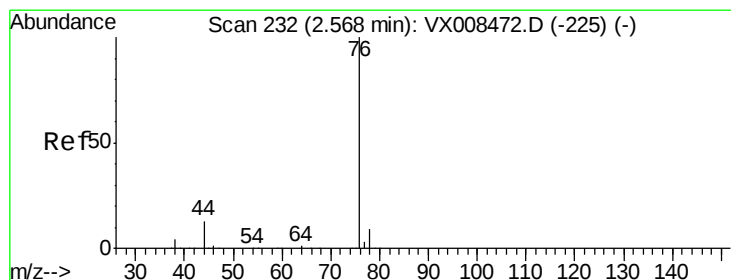
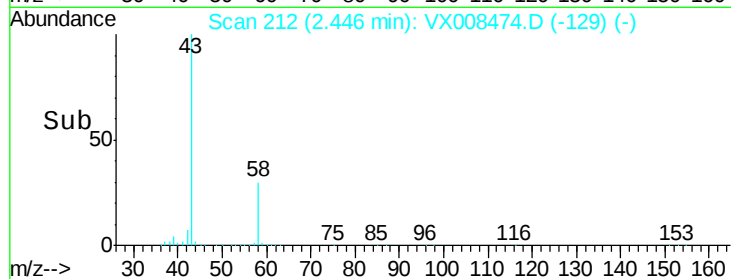
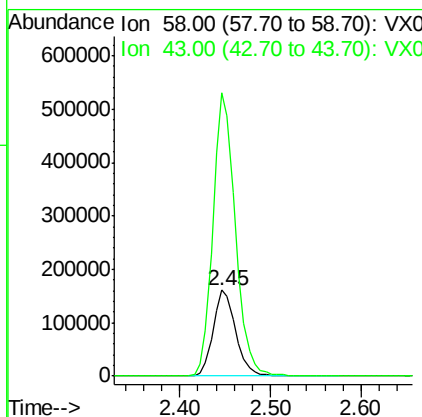
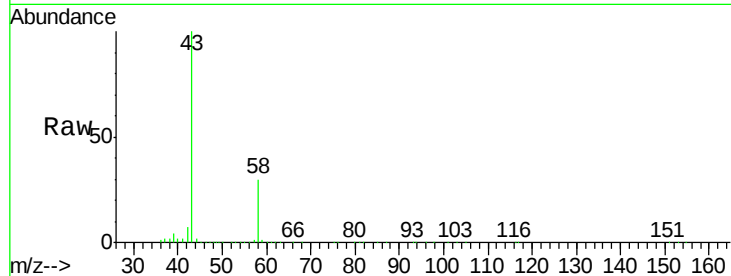
43 330.2 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 135.323 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008474.D

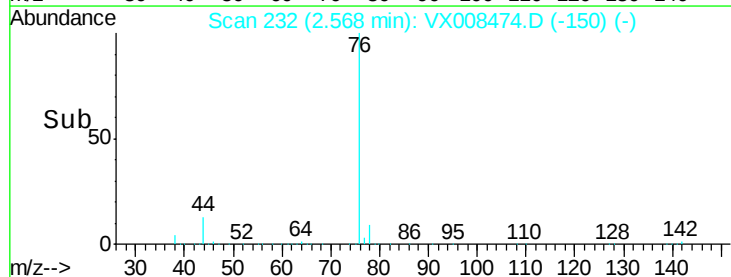
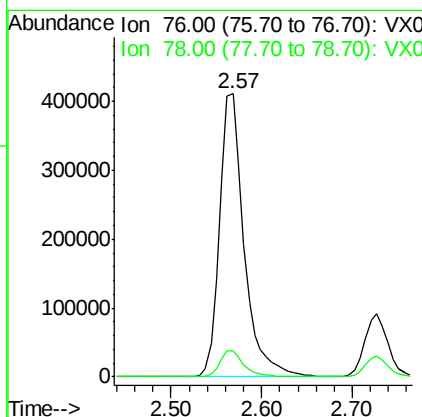
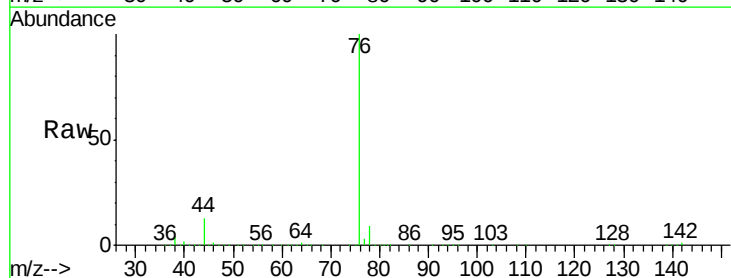
Acq: 27 Mar 2019 11:17

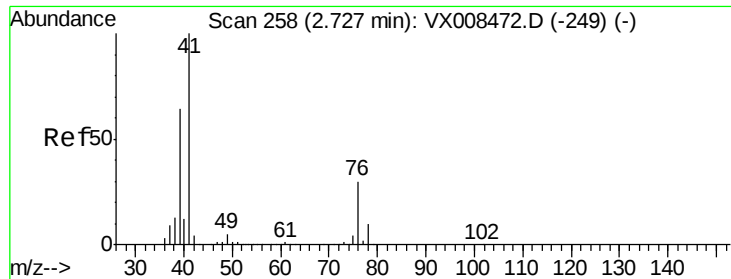
Tgt Ion: 76 Resp: 778401

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





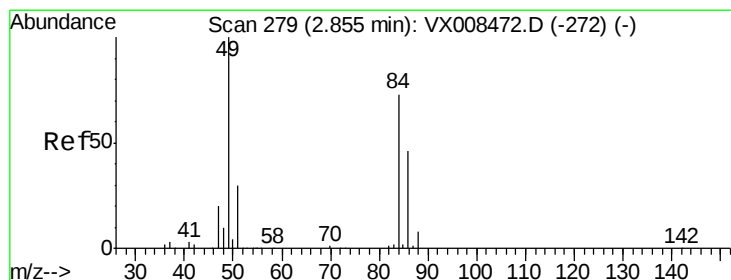
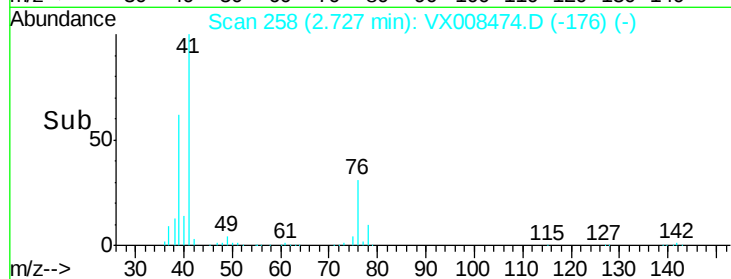
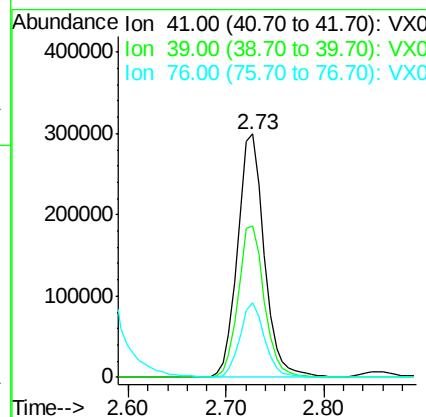
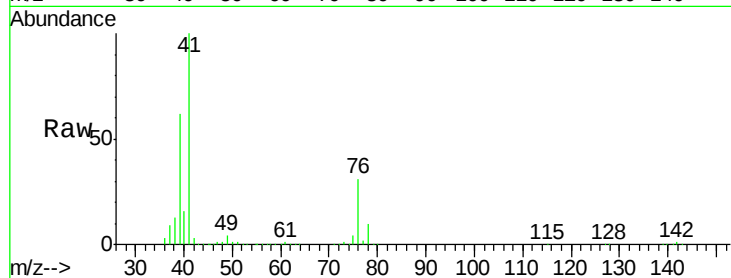
#17
Allvl chloride
Concen: 185.797 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.2	35.8	107.4
76	30.5	18.3	54.9

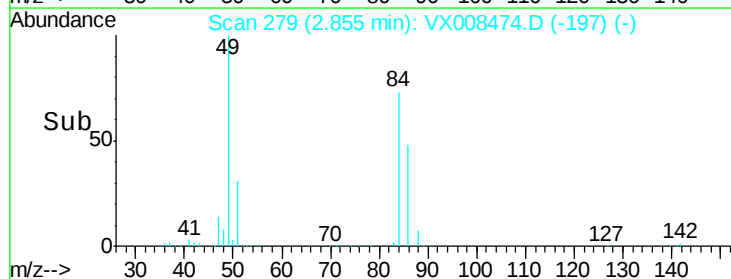
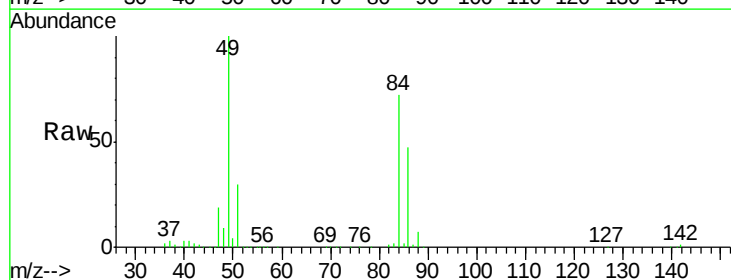
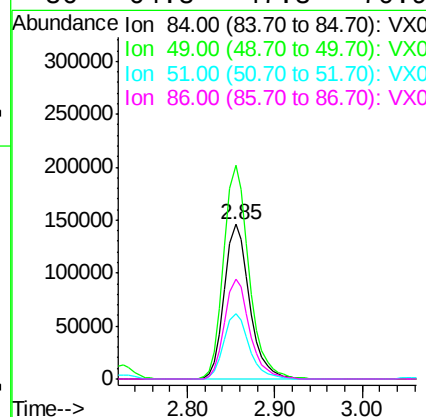
Manual Integrations
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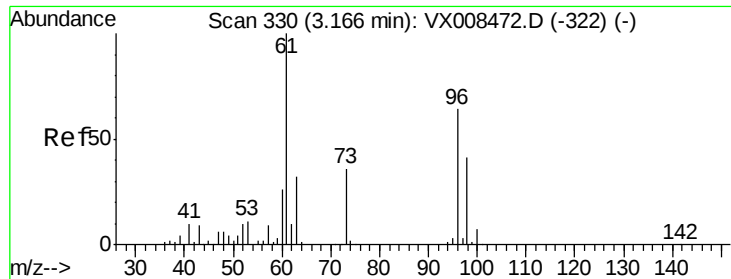
MMDadoda
3/28/2019 9:37:15 AM



#18
Methylene Chloride
Concen: 131.028 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.2	96.1	144.1
51	42.1	29.1	43.7
86	64.8	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 120.410 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 265164

Ion Ratio Lower Upper

96 100

61 156.6 109.9 164.9

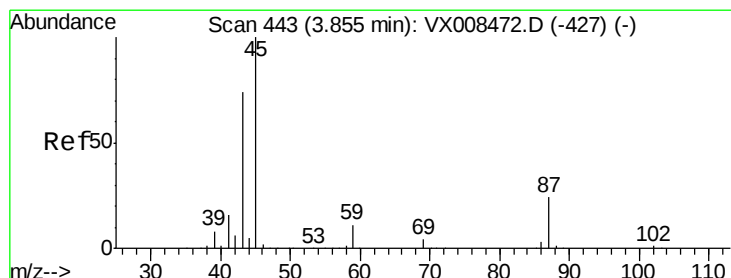
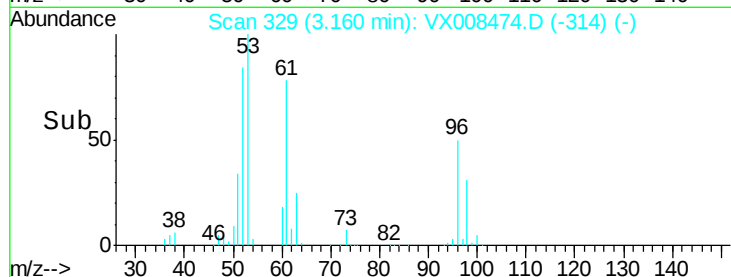
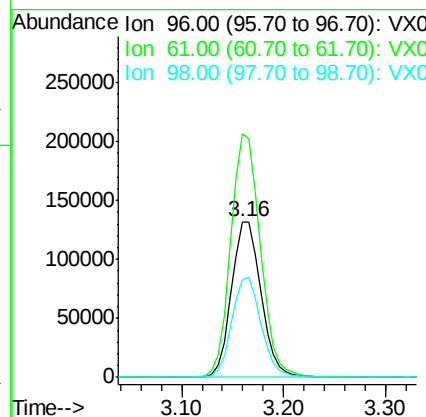
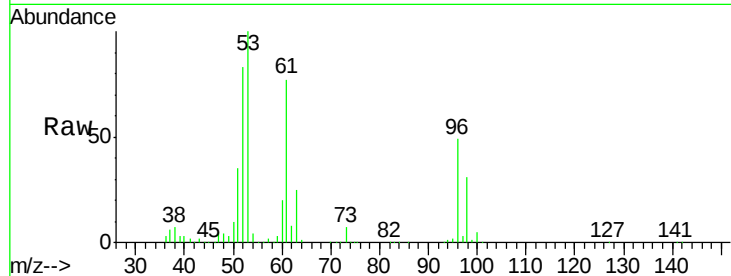
98 62.8 50.4 75.6

Manual Integrations

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#20

Diisopropyl ether

Concen: 169.555 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Tgt Ion: 45 Resp: 1085292

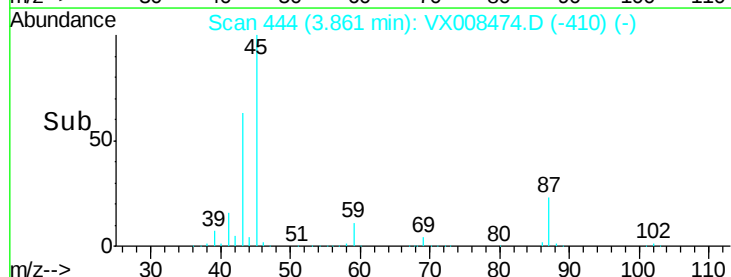
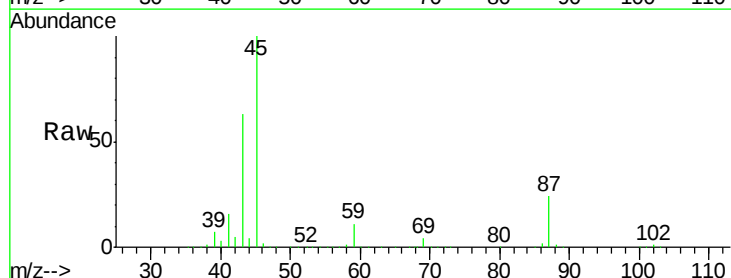
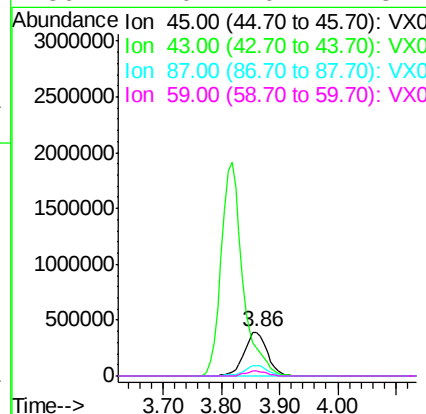
Ion Ratio Lower Upper

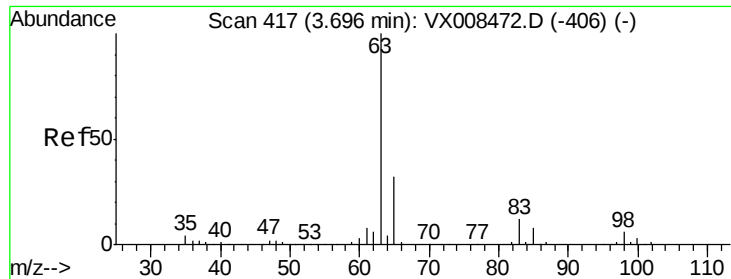
45 100

43 62.7 50.6 76.0

87 23.5 24.5 36.7#

59 11.0 10.2 15.2





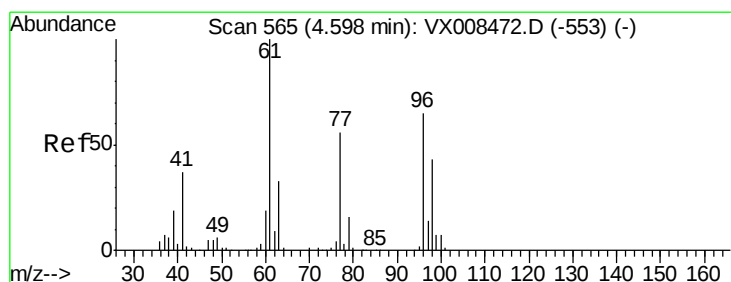
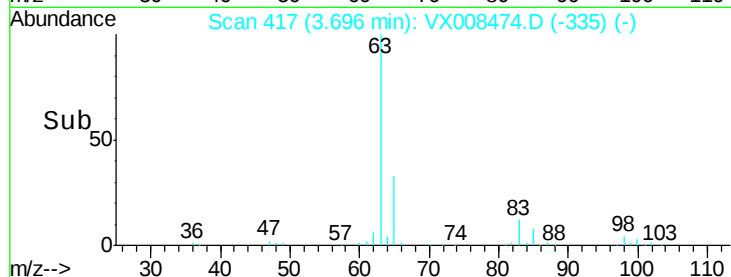
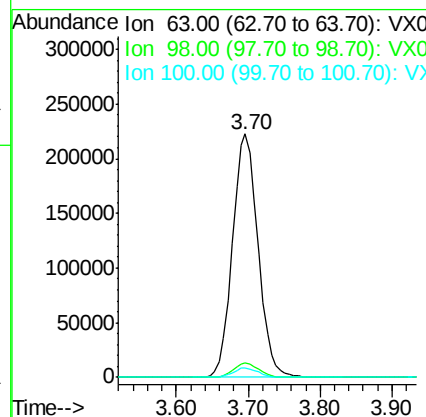
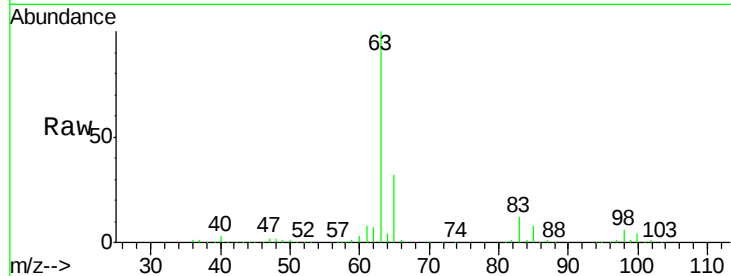
#21
 1,1-Dichloroethane
 Concen: 144.831 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.1	3.8	11.4	
100	3.7	2.4	7.1	

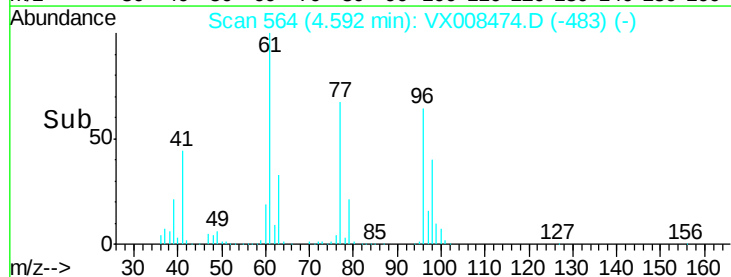
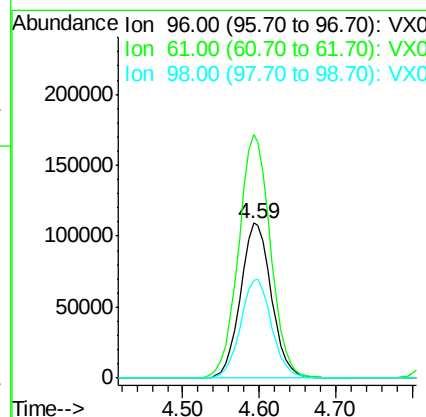
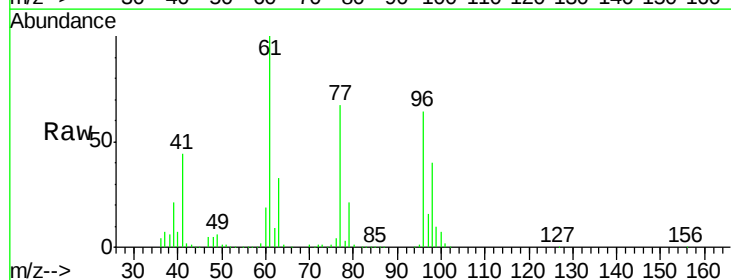
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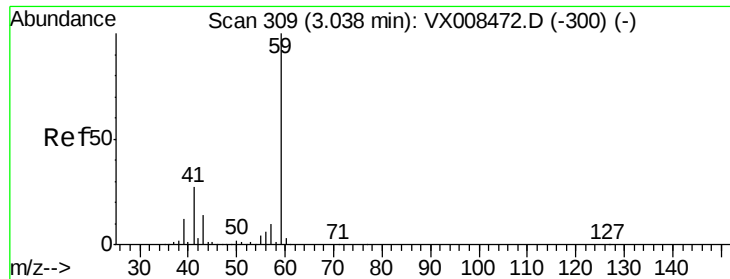
MMDadoda
 3/28/2019 9:37:15 AM



#22
 cis-1,2-Dichloroethene
 Concen: 120.693 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.1	103.5	155.3	
98	64.0	52.1	78.1	





#23

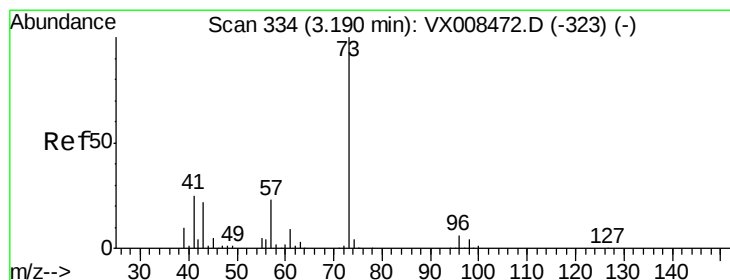
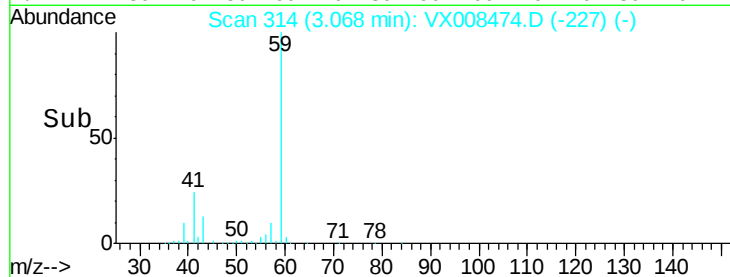
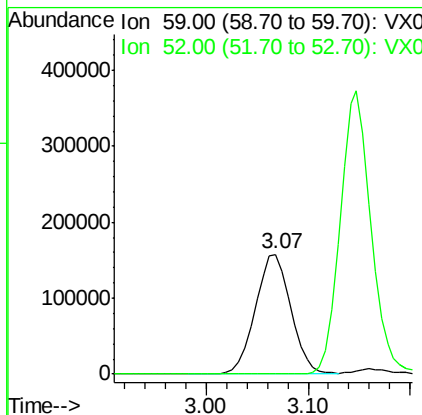
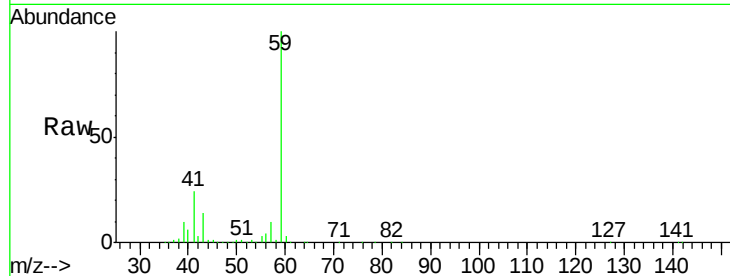
tert-Butyl Alcohol
 Concen: 838.759 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.03 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.2	0.2	0.2	

Manual Integrations
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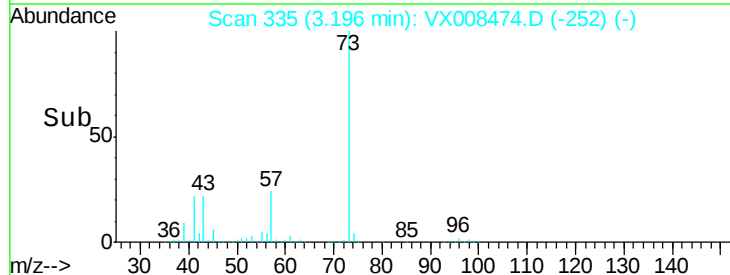
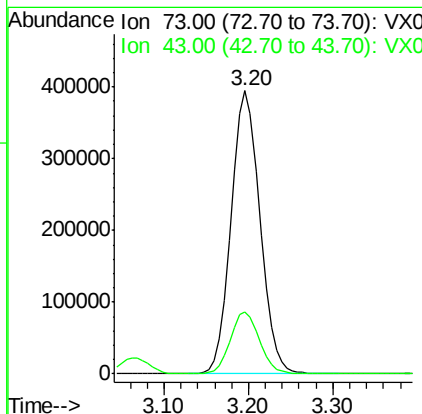
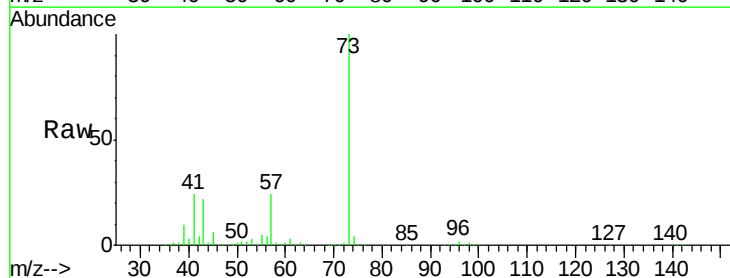
MMDadoda
 3/28/2019 9:37:15 AM

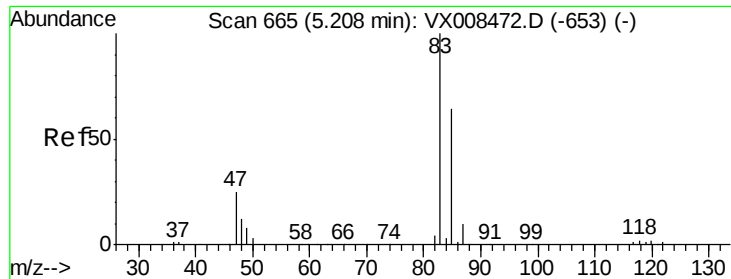


#24

Methyl tert-Butyl Ether
 Concen: 137.352 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	22.0	17.1	25.7	





#25

Chloroform

Concen: 122.467 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 491104

Ion Ratio Lower Upper

83 100

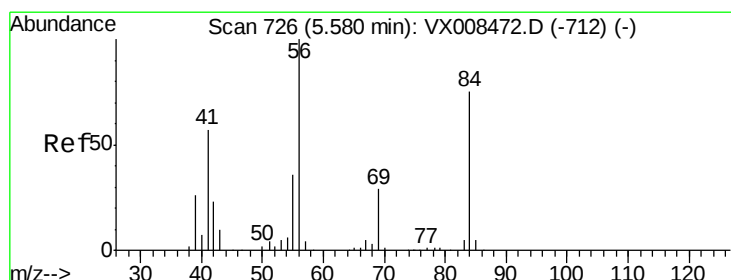
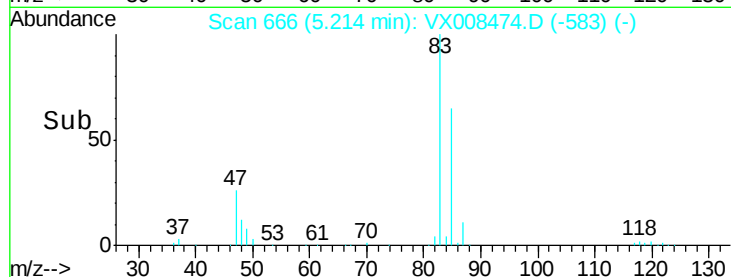
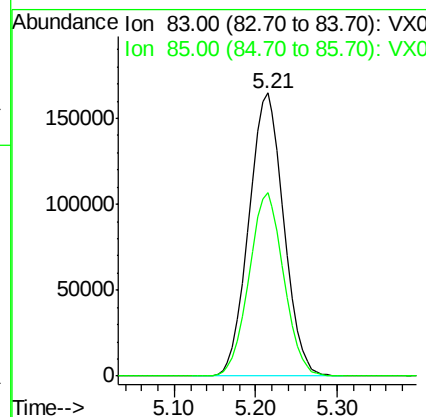
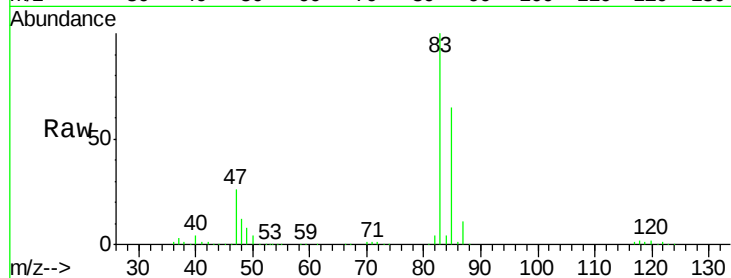
85 64.7 53.8 80.6

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#26

Cyclohexane

Concen: 157.487 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

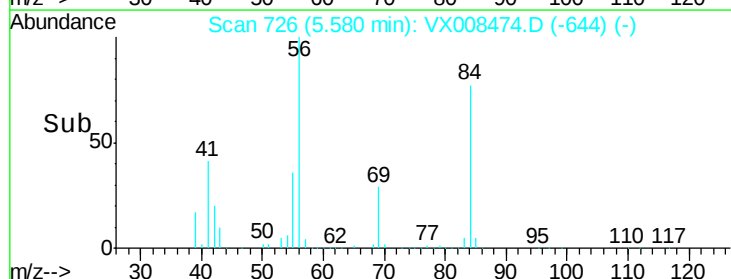
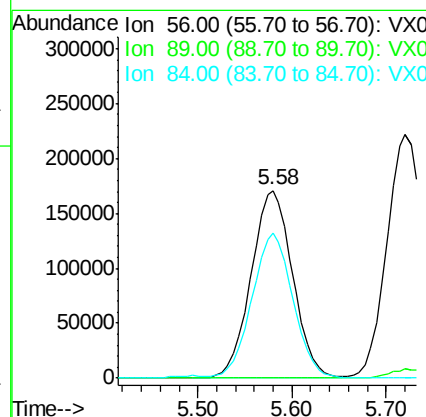
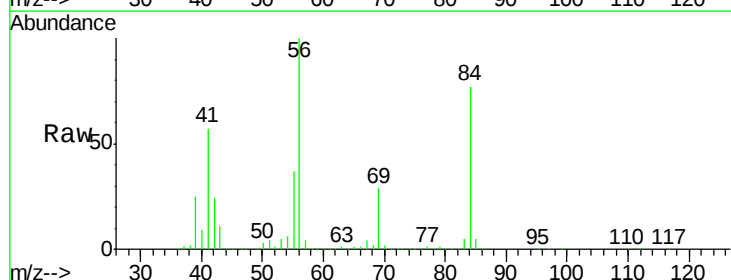
Tgt Ion: 56 Resp: 526510

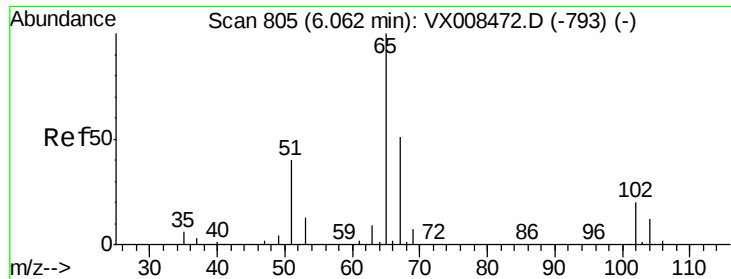
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 76.5 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 36.162 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 95406

Ion Ratio Lower Upper

65 100

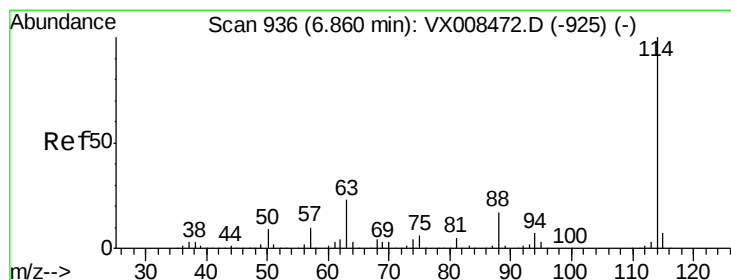
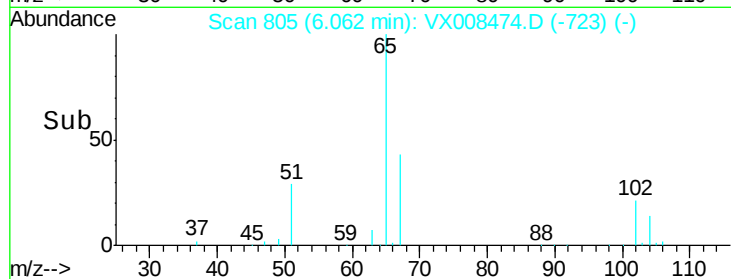
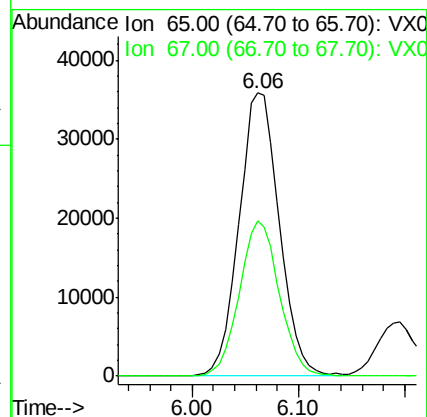
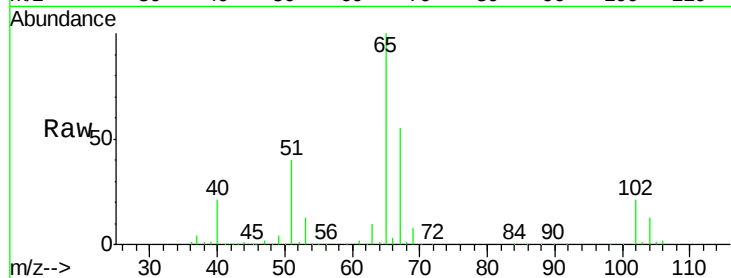
67 53.8 42.9 64.3

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

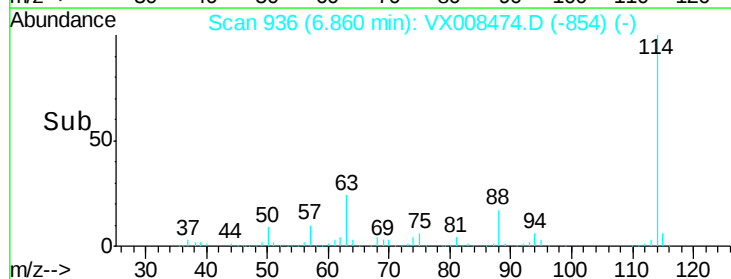
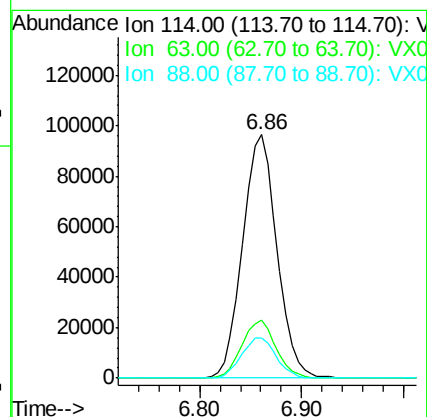
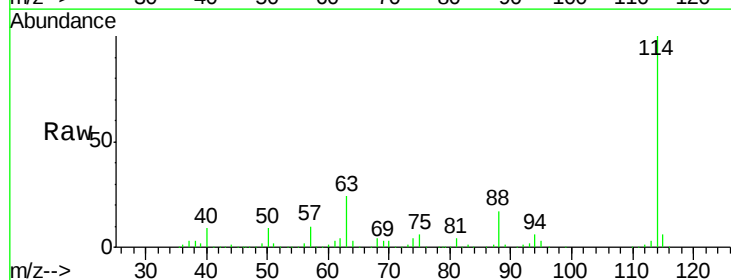
Tgt Ion: 114 Resp: 225759

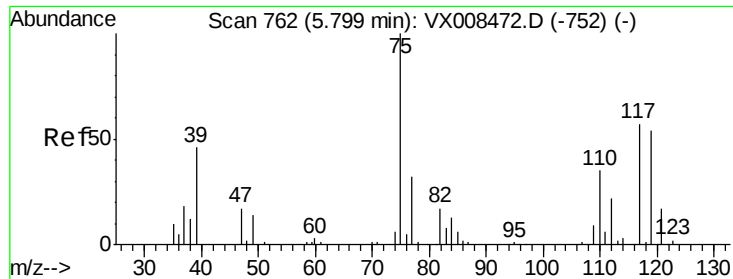
Ion Ratio Lower Upper

114 100

63 23.6 14.2 21.4#

88 17.0 11.9 17.9





#29

1,1-Dichloropropene

Concen: 123.144 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

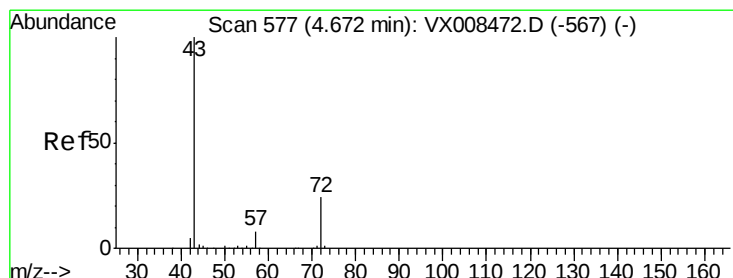
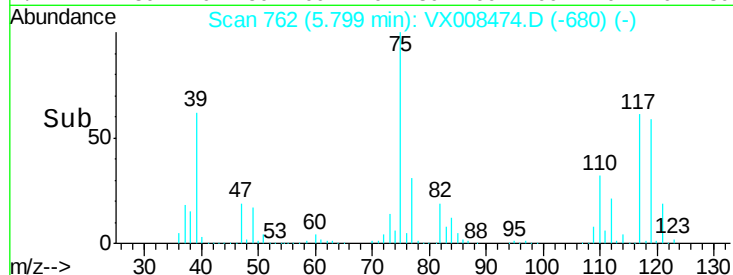
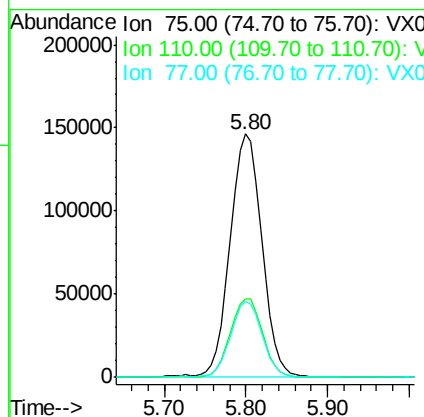
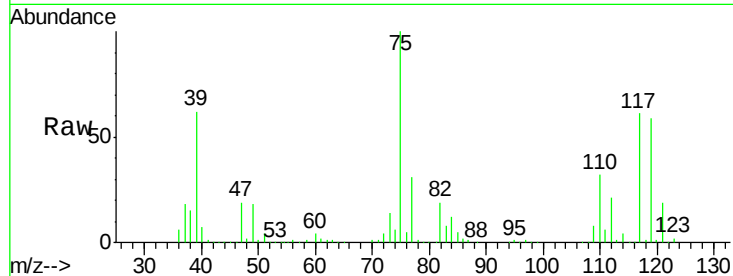
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	394858
Ion Ratio	Lower	Upper	
75	100		
110	32.9	0.0	80.8
77	31.1	0.0	62.4

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#30

2-Butanone

Concen: 780.470 ug/l

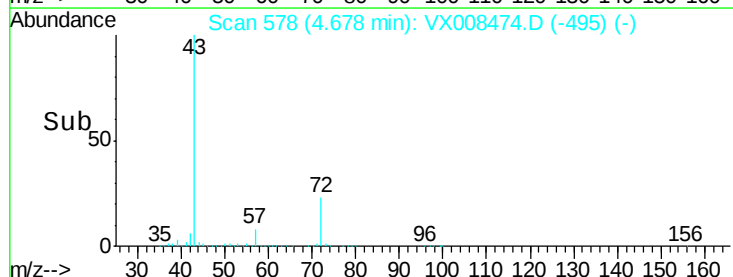
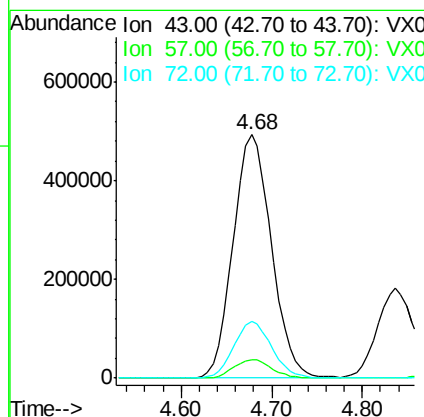
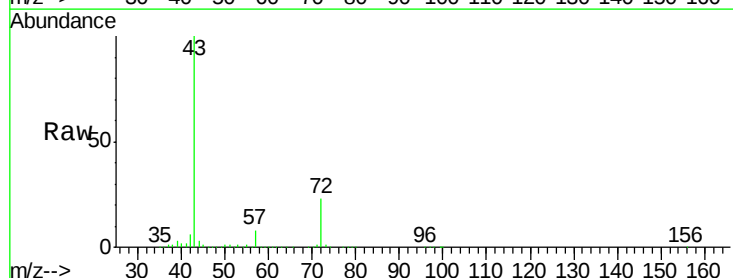
RT: 4.68 min Scan# 578

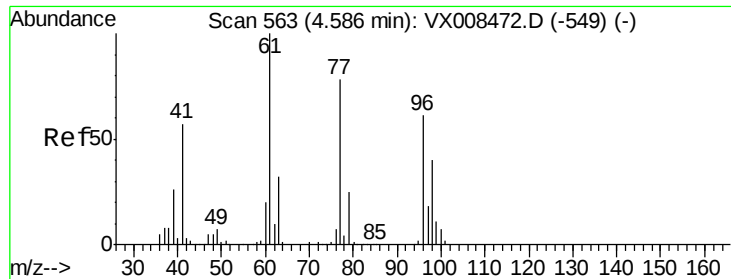
Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Tgt Ion:	43	Resp:	1441431
Ion Ratio	Lower	Upper	
43	100		
57	7.6	7.0	10.6
72	23.1	21.5	32.3





#31

2,2-Dichloropropane

Concen: 132.195 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 77 Resp: 399084

Ion Ratio Lower Upper

77 100

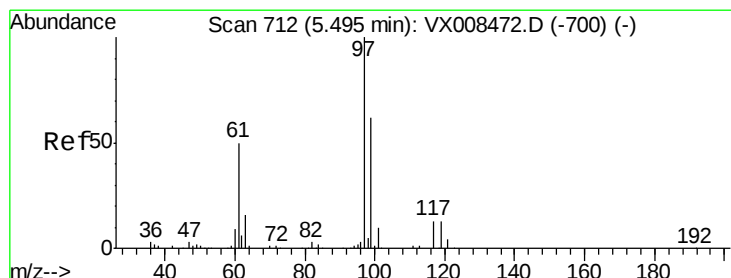
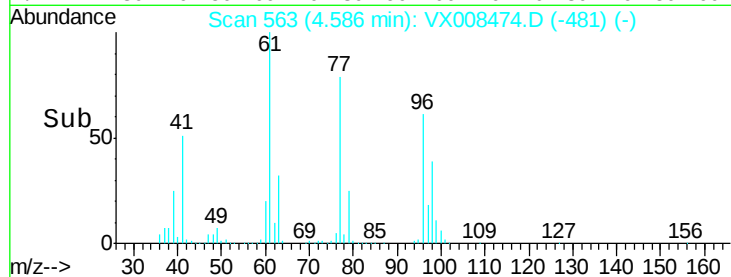
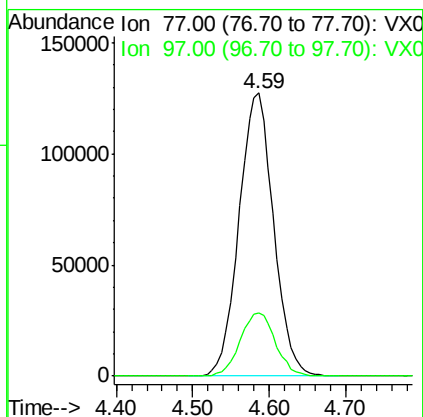
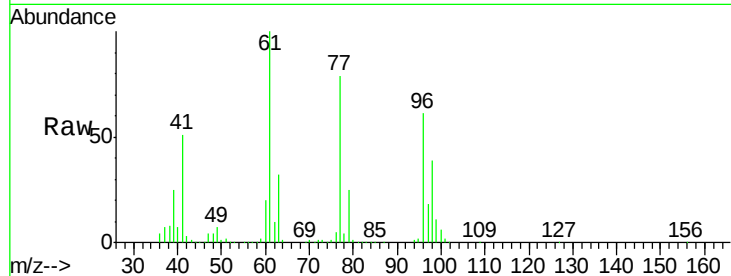
97 22.9 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 108.326 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

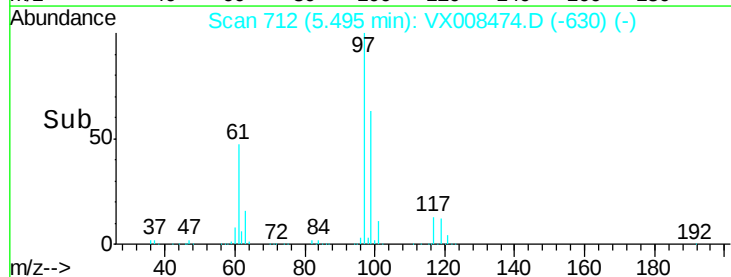
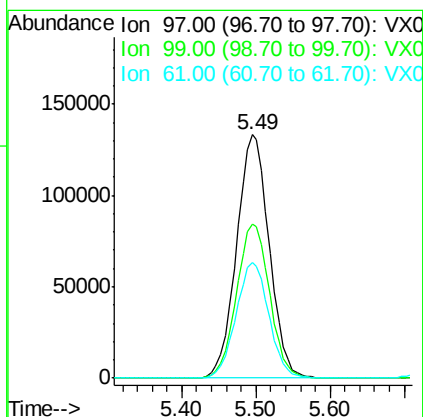
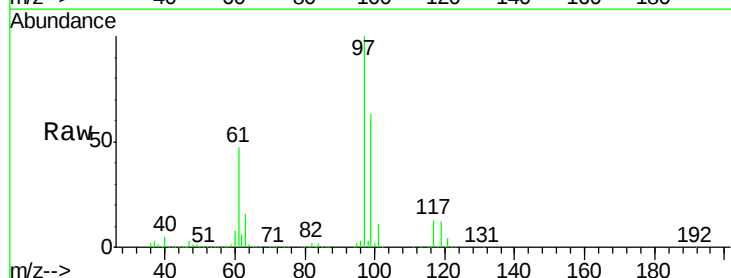
Tgt Ion: 97 Resp: 408693

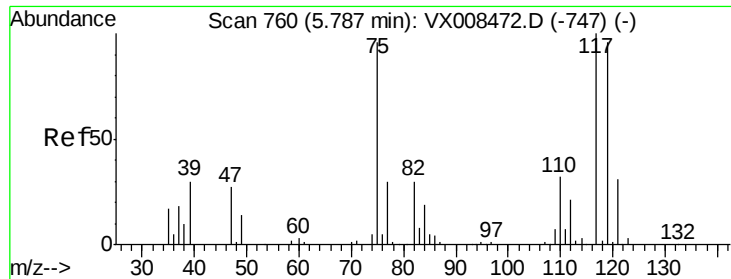
Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

61 47.9 32.8 49.2





#33

Carbon Tetrachloride

Concen: 99.553 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

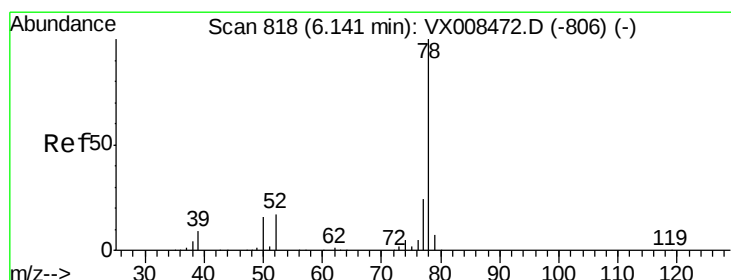
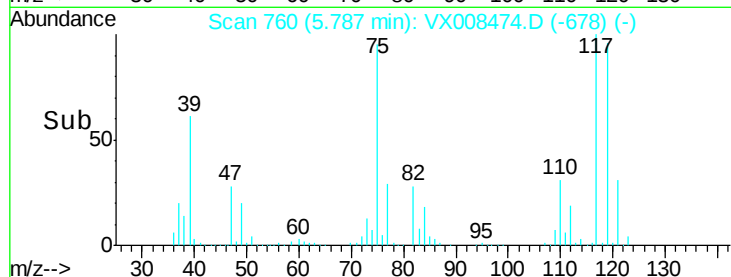
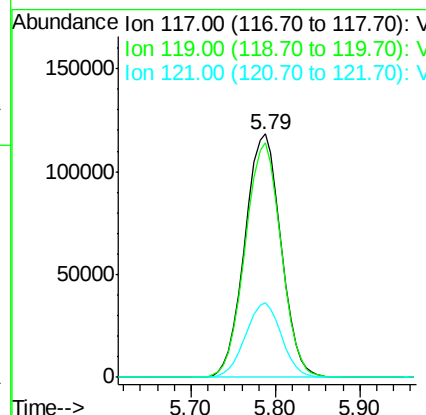
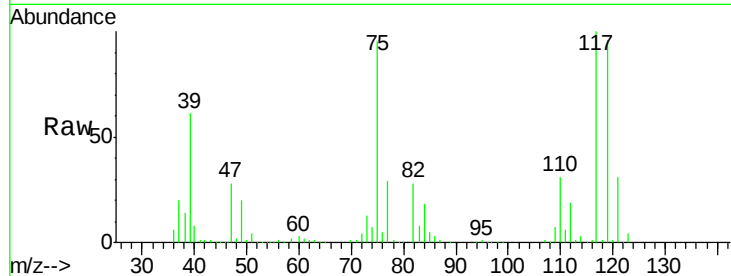
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.1	117.1
121	30.6	27.0	40.6

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#34

Benzene

Concen: 124.313 ug/l

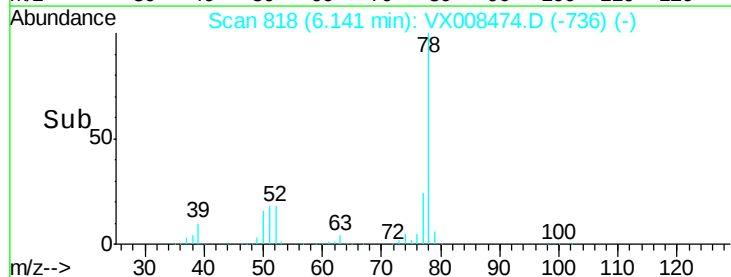
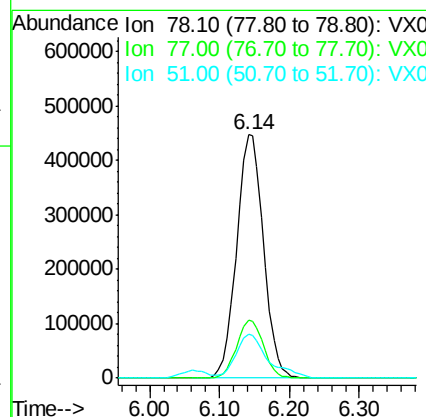
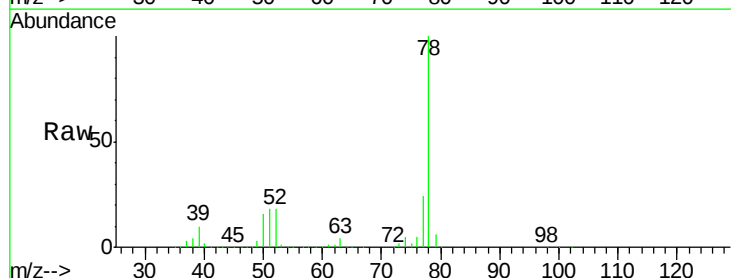
RT: 6.14 min Scan# 818

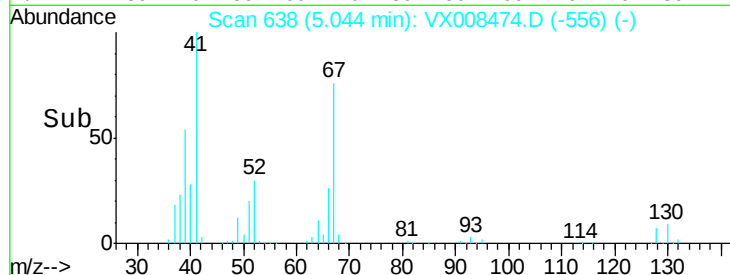
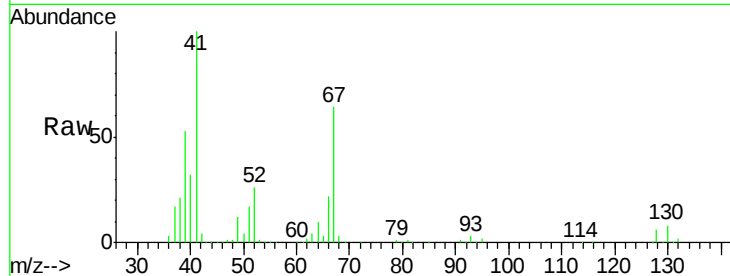
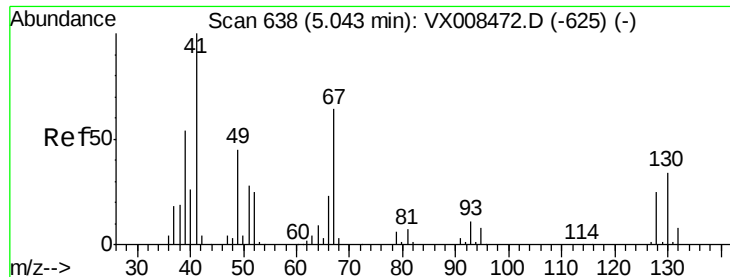
Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7
51	18.1	10.8	16.2#





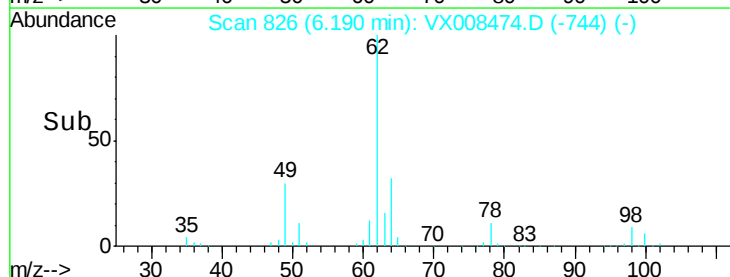
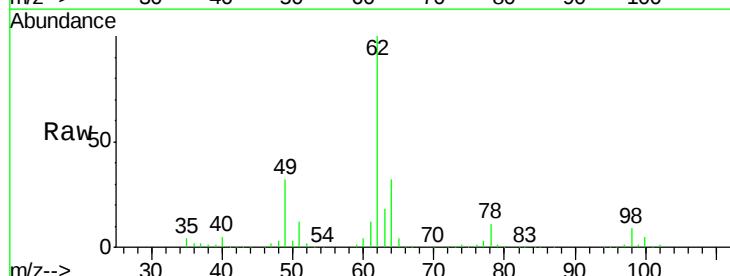
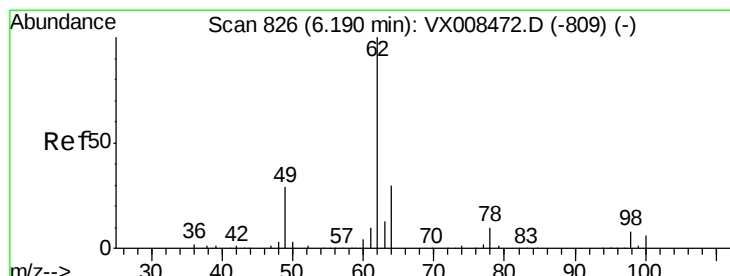
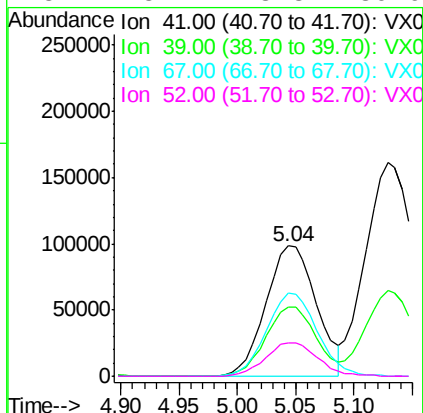
#35
Methacrylonitrile
Concen: 171.982 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		295867		
39	53.3	27.4	82.0		
67	64.2	37.9	113.6		
52	25.7	13.3	39.9		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

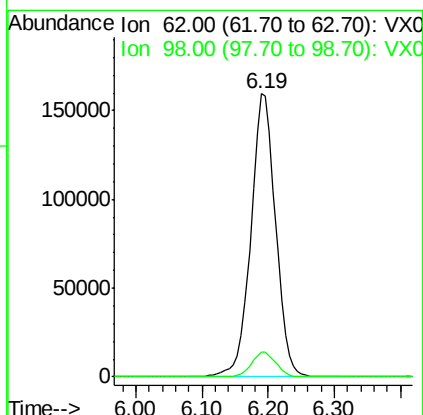
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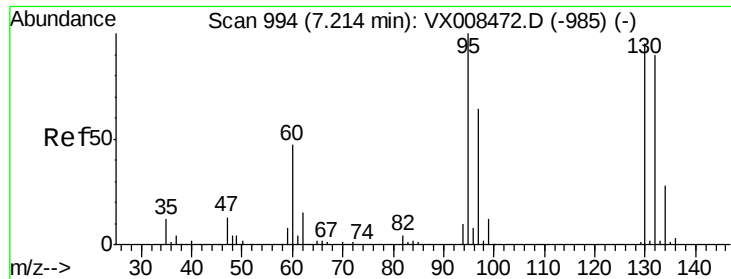
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#36
1,2-Dichloroethane
Concen: 118.484 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		417119		
98	8.7	7.8	11.8		





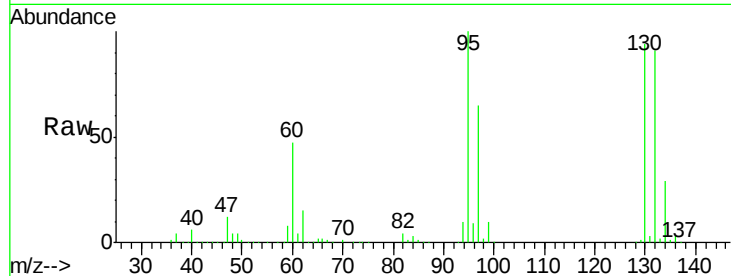
#37
 Trichloroethene
 Concen: 98.244 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

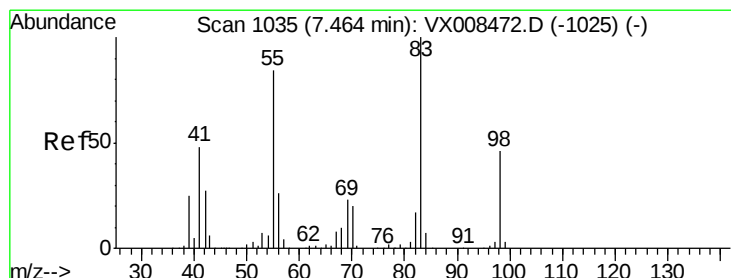
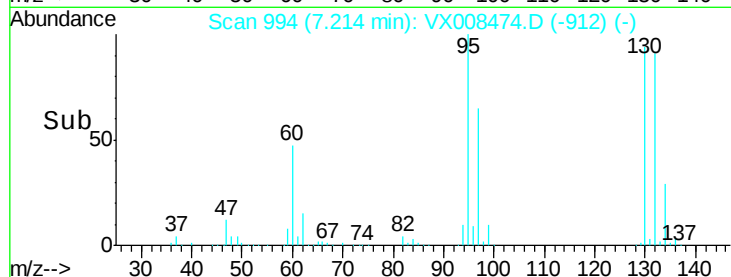
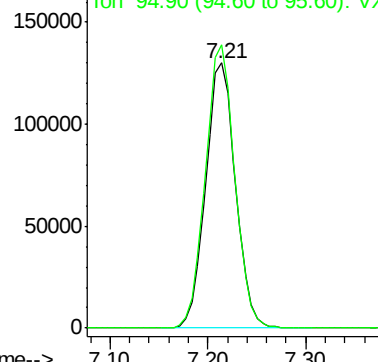
Tot Ion:130 Resp: 275892
 Ion Ratio Lower Upper
 130 100
 95 106.8 71.3 106.9

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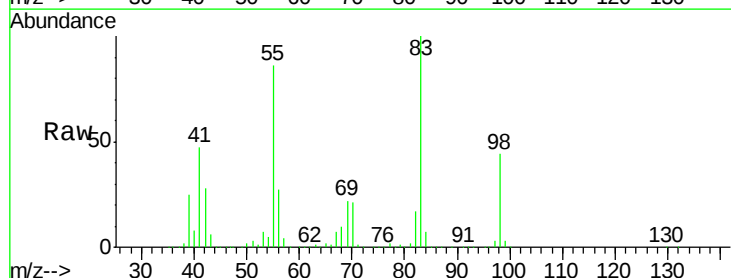


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

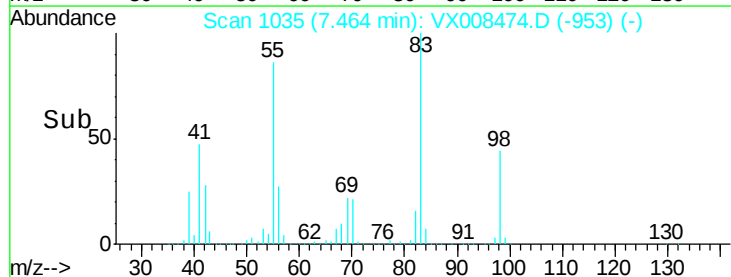
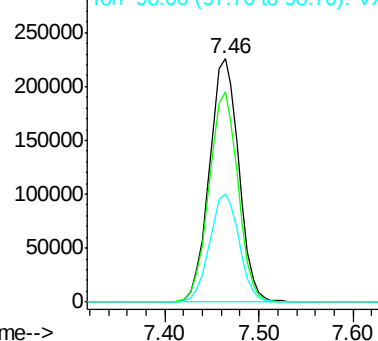


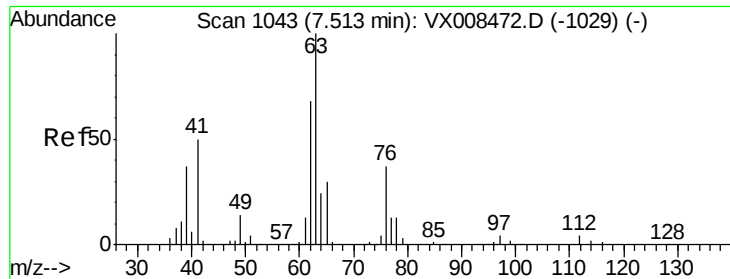
#38
 Methylcyclohexane
 Concen: 122.424 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 83 Resp: 491978
 Ion Ratio Lower Upper
 83 100
 55 84.9 36.0 108.0
 98 44.3 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





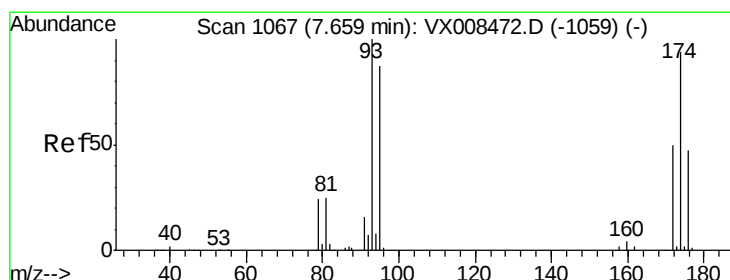
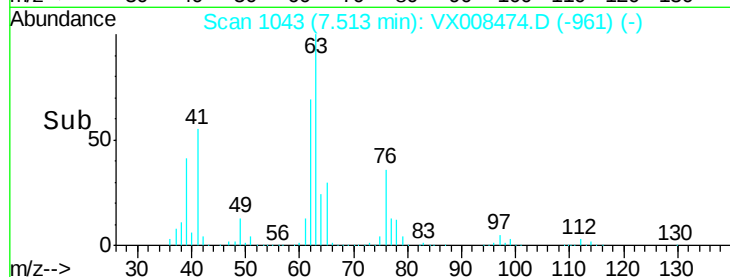
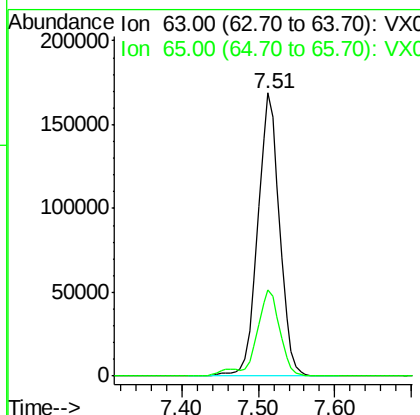
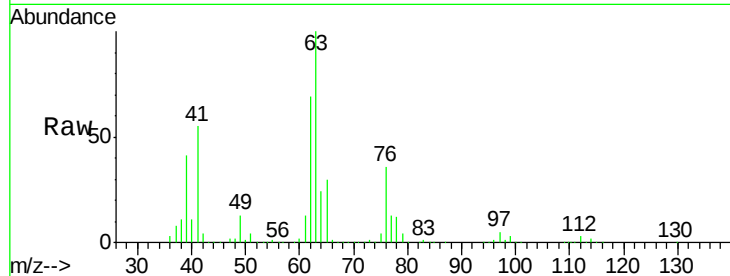
#39
 1,2-Dichloropropane
 Concen: 138.453 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 336488
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0

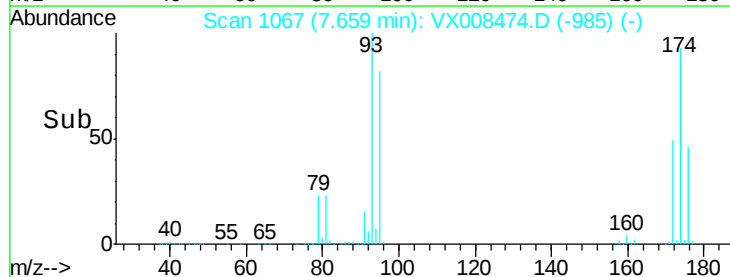
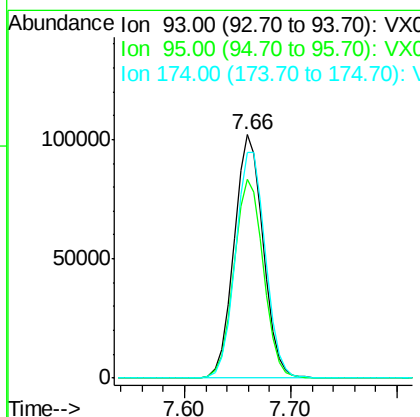
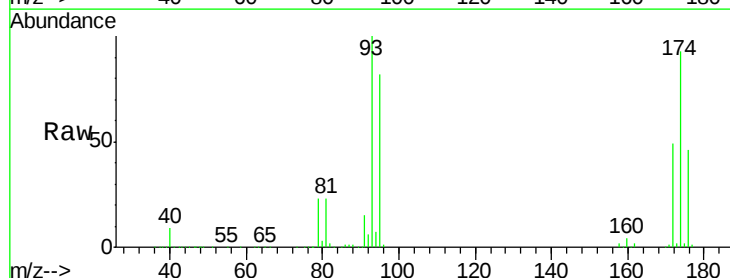
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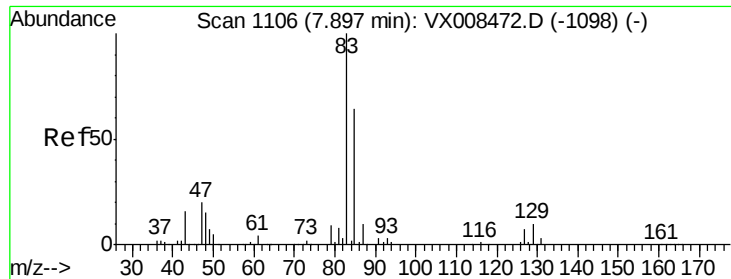
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#40
 Dibromomethane
 Concen: 110.038 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 93 Resp: 196142
 Ion Ratio Lower Upper
 93 100
 95 82.5 0.0 158.8
 174 95.4 0.0 224.2





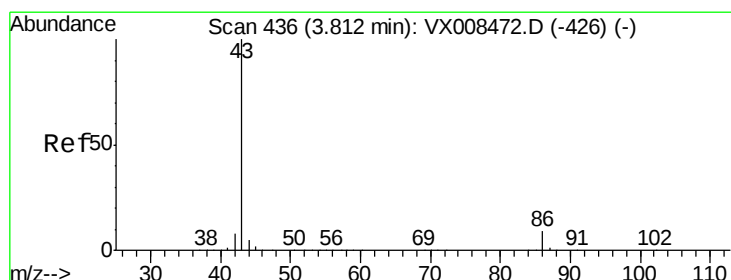
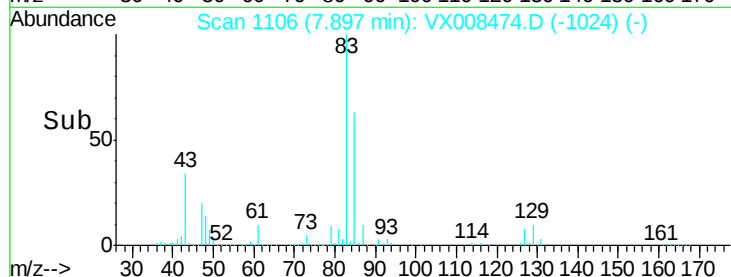
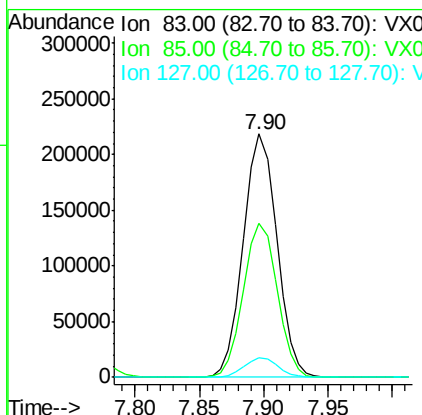
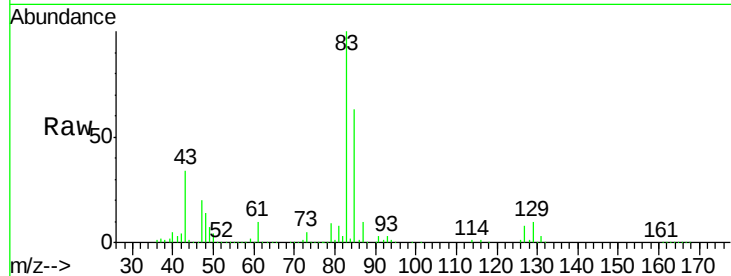
#41
Bromodichloromethane
Concen: 117.018 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	395795		
85	63.4		51.1	76.7
127	8.0		7.2	10.8

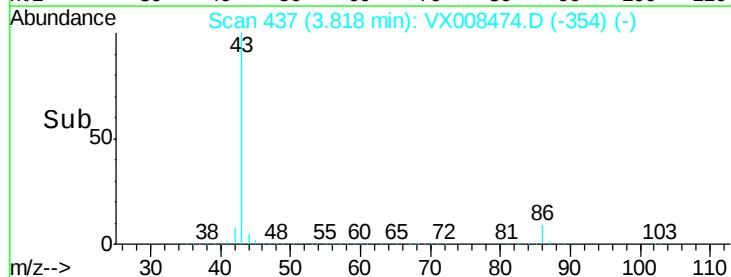
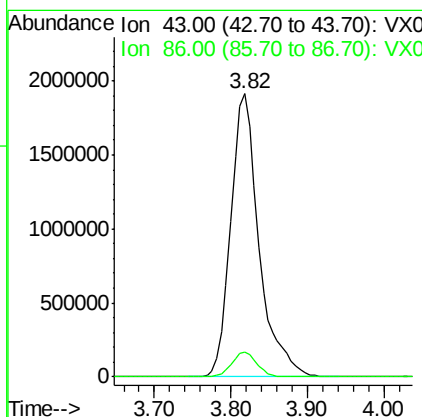
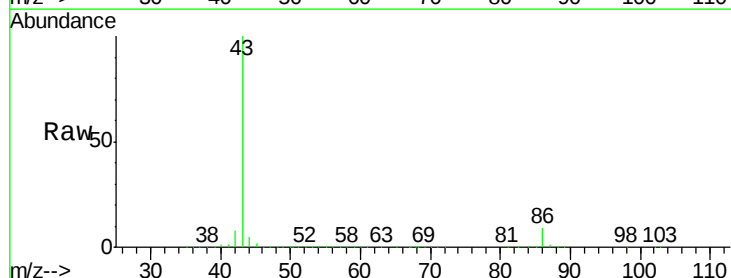
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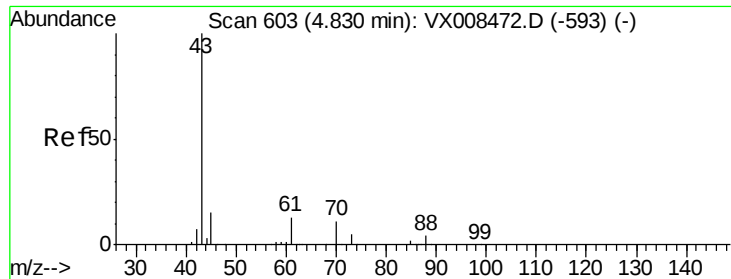
MMDadoda
3/28/2019 9:37:15 AM



#42
Vinyl Acetate
Concen: 789.317 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	4899740		
86	8.0		8.2	12.2#





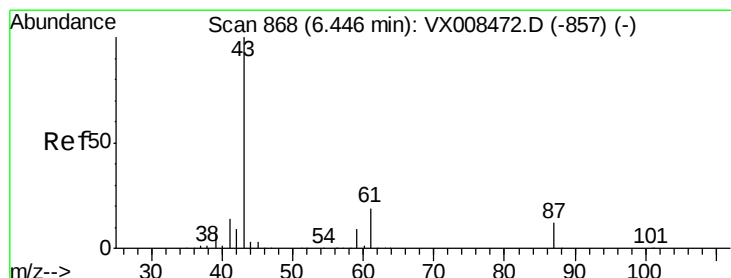
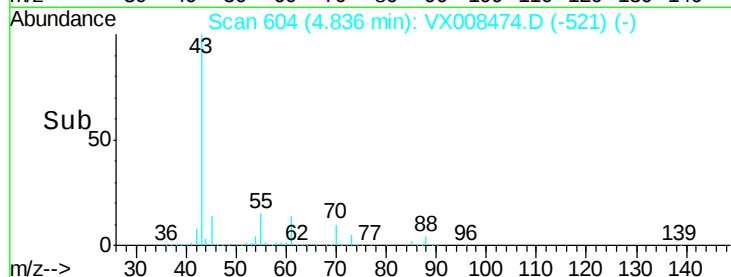
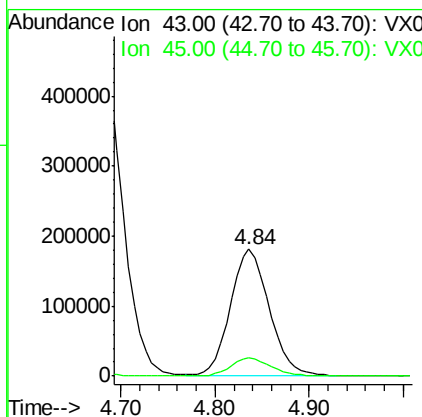
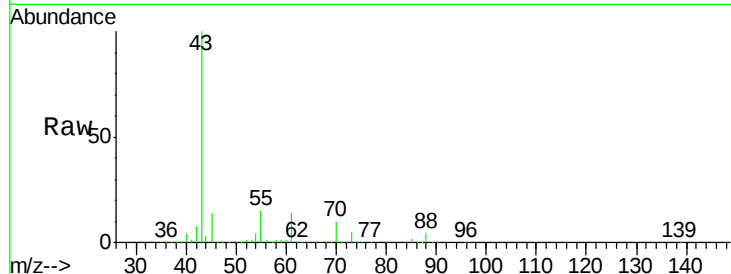
#43
Ethyl Acetate
Concen: 161.744 ug/l m
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 527289
Ion Ratio Lower Upper
43 100
45 0.1 6.9 10.3#

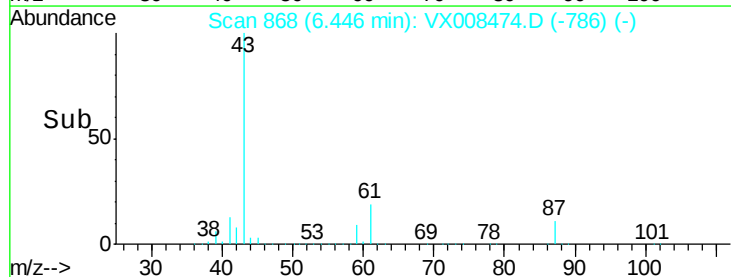
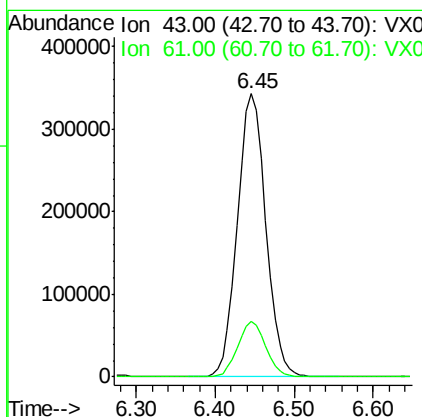
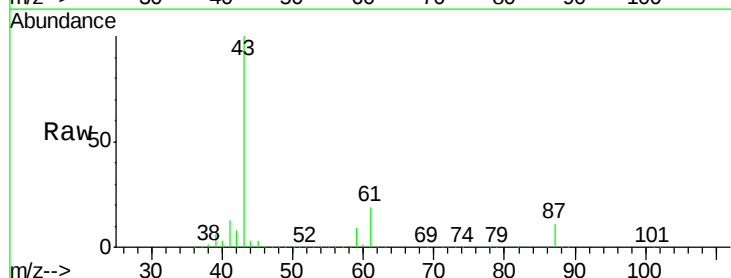
Manual Integrations
APPROVED

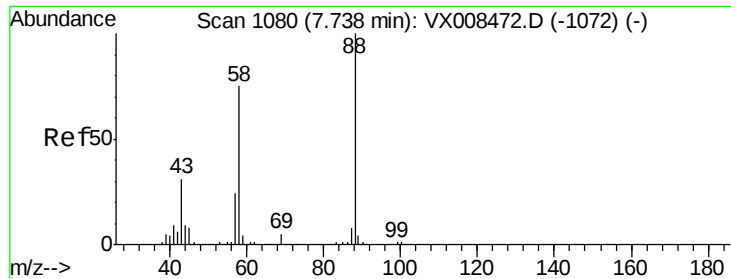
MMDadoda
3/28/2019 9:37:15 AM



#44
Isopropyl Acetate
Concen: 167.648 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion: 43 Resp: 860111
Ion Ratio Lower Upper
43 100
61 19.3 16.1 24.1





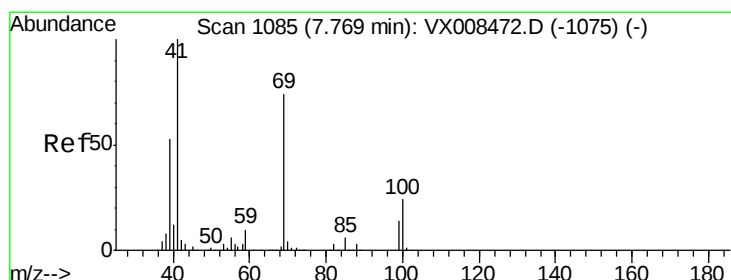
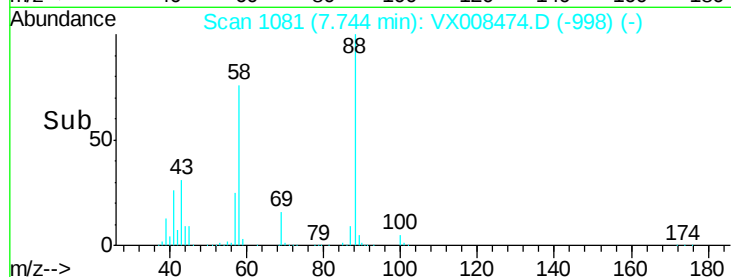
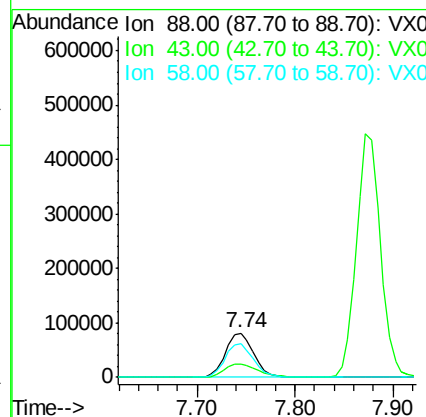
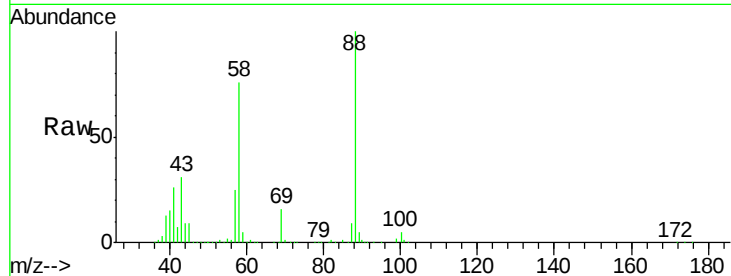
#45
 1,4-Dioxane
 Concen: 2521.209 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	162692		
43	35.7	23.6	35.4#	
58	78.4	51.6	77.4#	

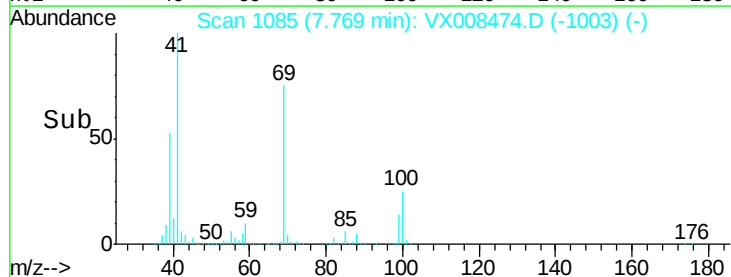
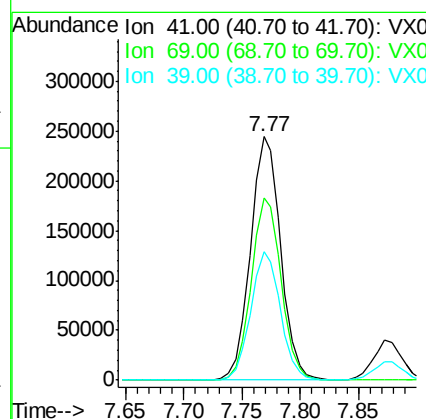
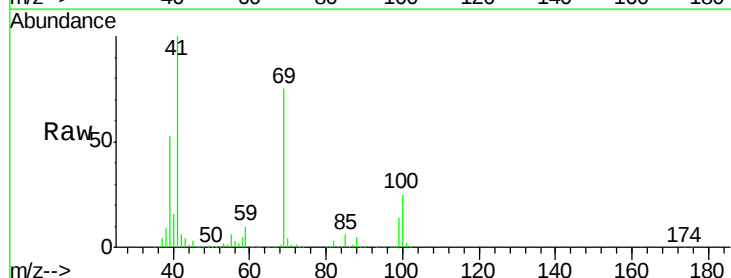
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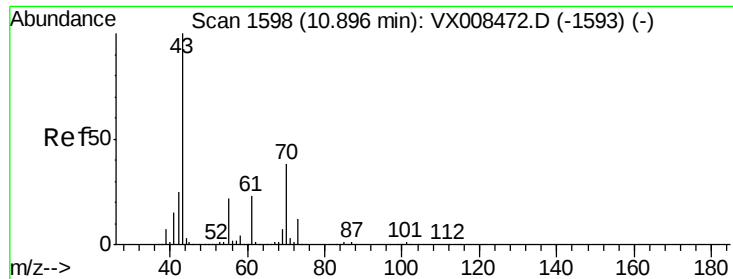
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#46
 Methyl methacrylate
 Concen: 174.753 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	439920		
69	74.8	44.2	132.6	
39	52.8	29.9	89.8	





#47

n-amvl Acetate

Concen: 181.587 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 798734

Ion Ratio Lower Upper

43 100

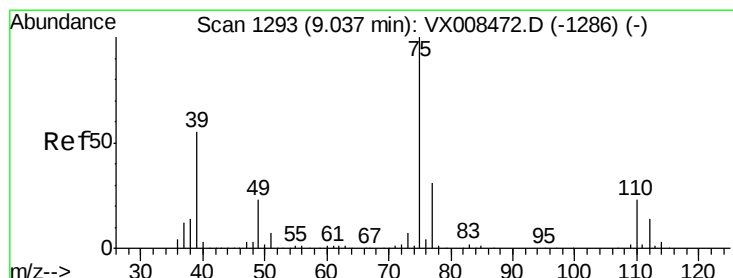
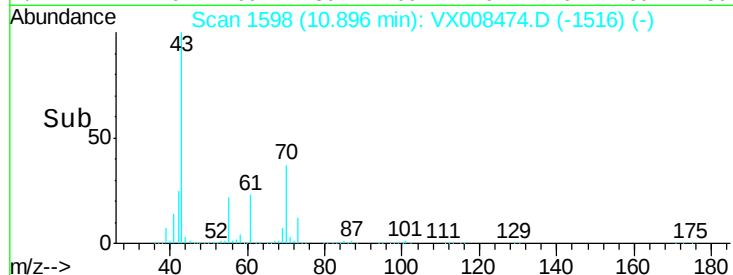
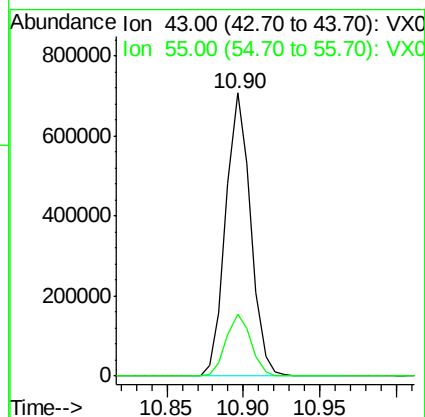
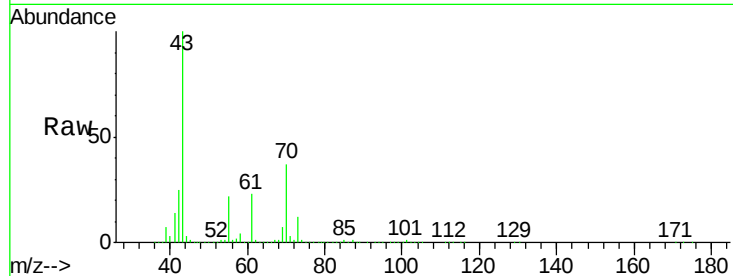
55 22.3 20.8 31.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 139.675 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008474.D

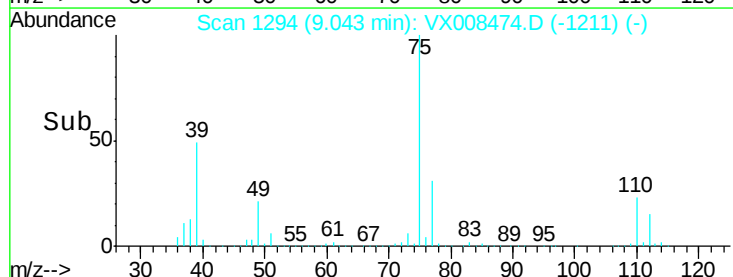
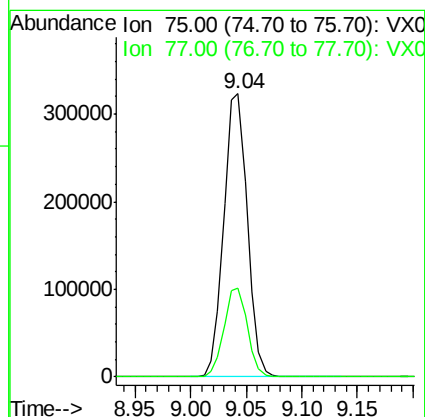
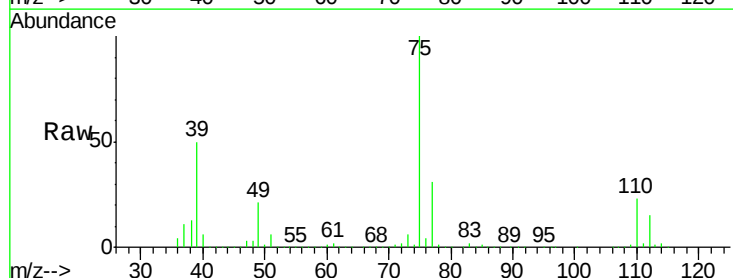
Acq: 27 Mar 2019 11:17

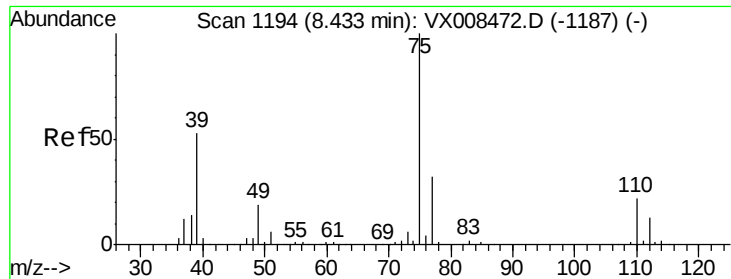
Tgt Ion: 75 Resp: 473000

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7





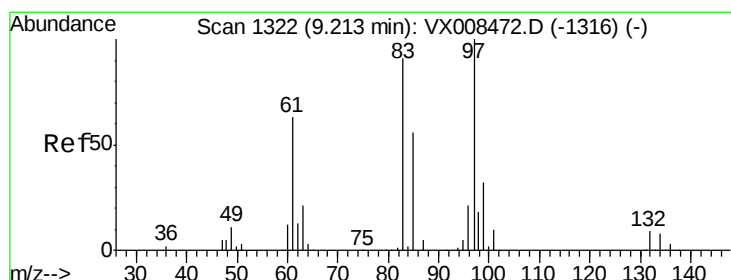
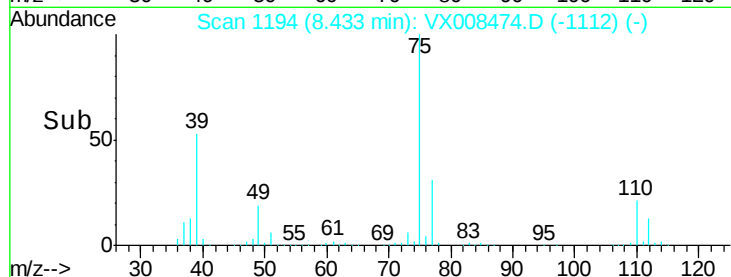
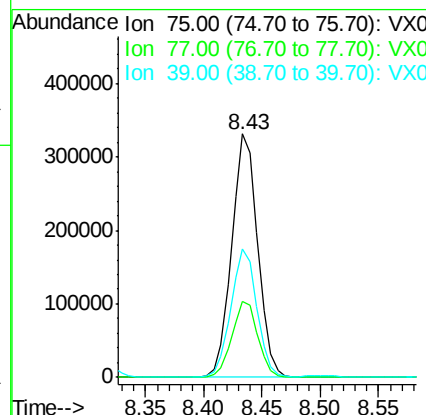
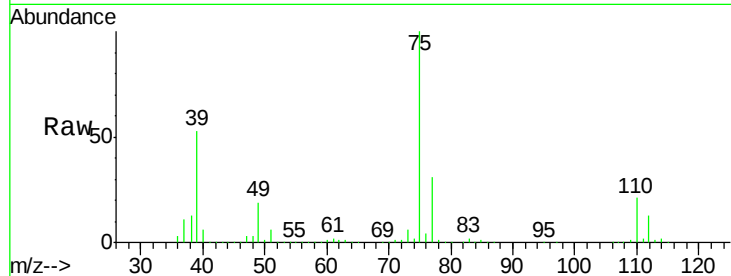
#49
 cis-1,3-Dichloropropene
 Concen: 135.808 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	52.5	38.5	57.7

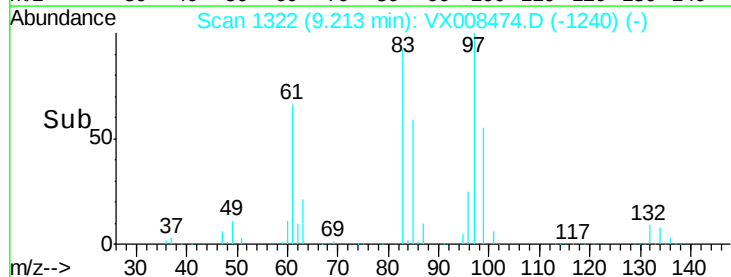
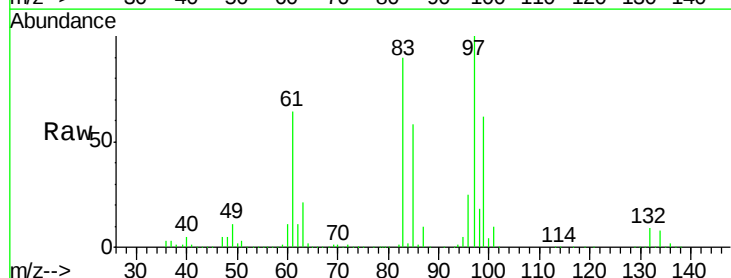
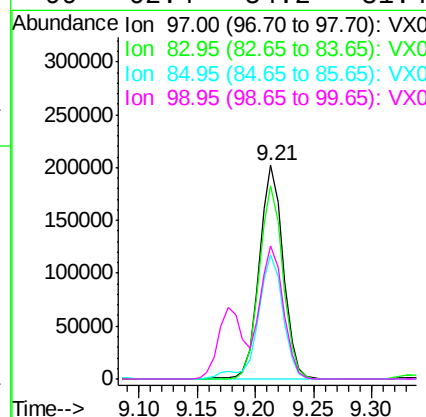
Manual Integrations
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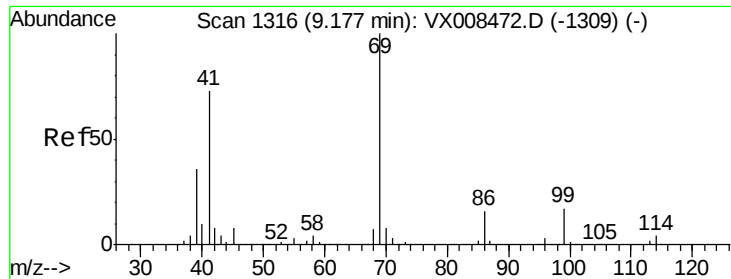
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 113.427 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.0	108.0
85	58.0	45.0	67.6
99	62.4	54.2	81.4





#51

Ethyl methacrylate

Concen: 151.164 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

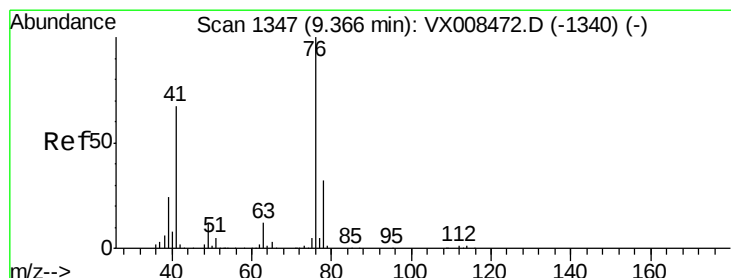
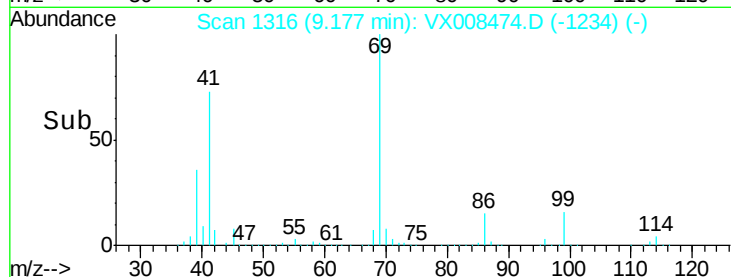
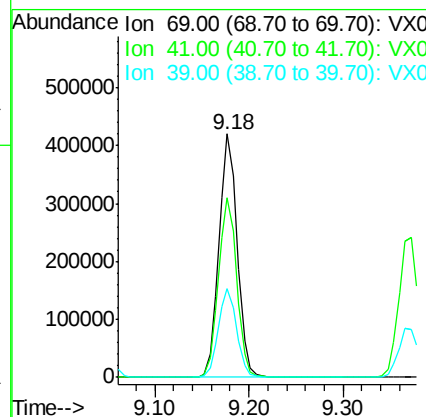
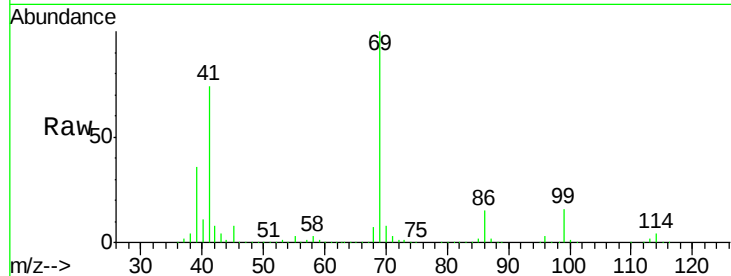
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	565129
Ion	Ratio	Lower	Upper
69	100		
41	74.0	32.1	96.5
39	36.3	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 126.304 ug/l

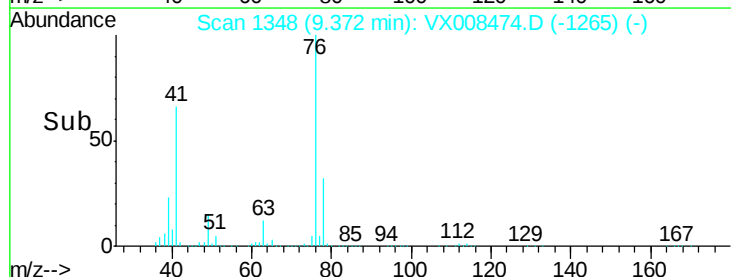
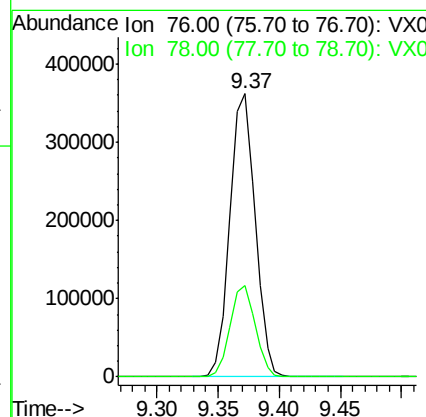
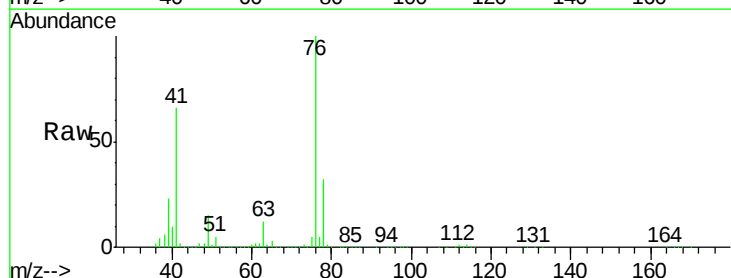
RT: 9.37 min Scan# 1348

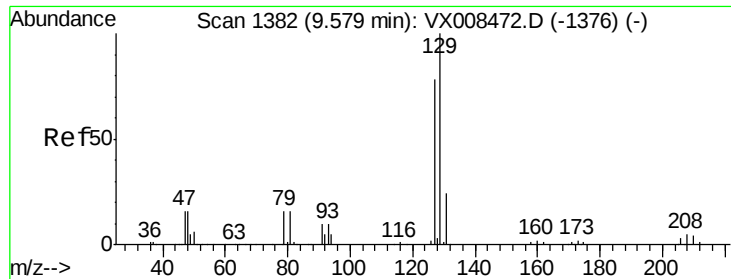
Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Tgt Ion:	76	Resp:	518709
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.2





#53

Dibromochloromethane

Concen: 104.522 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 301714

Ion Ratio Lower Upper

129 100

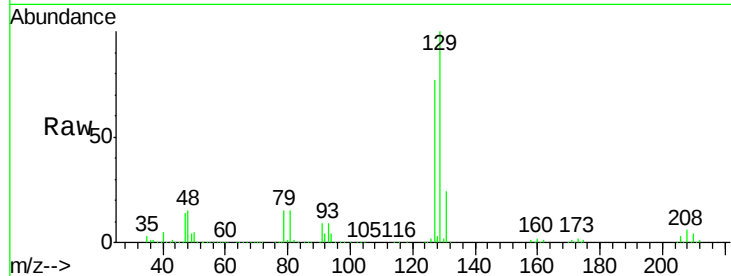
127 77.2 38.4 115.2

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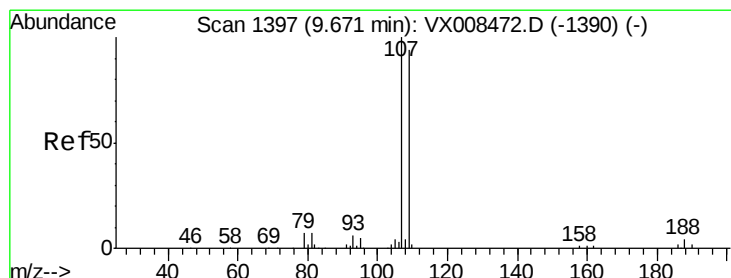
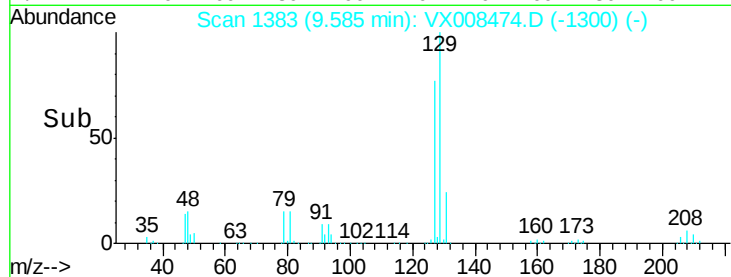
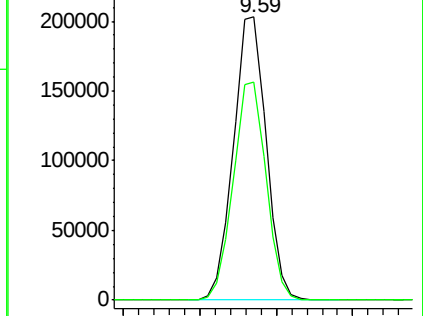
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 107.741 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008474.D

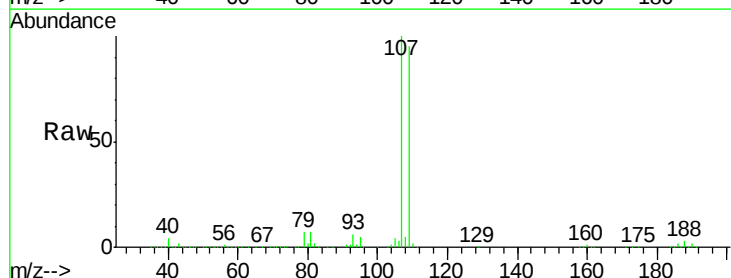
Acq: 27 Mar 2019 11:17

Tgt Ion:107 Resp: 302704

Ion Ratio Lower Upper

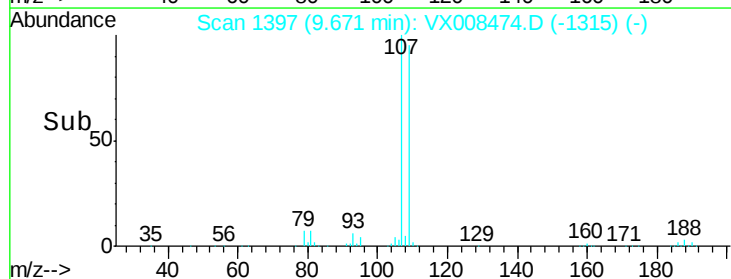
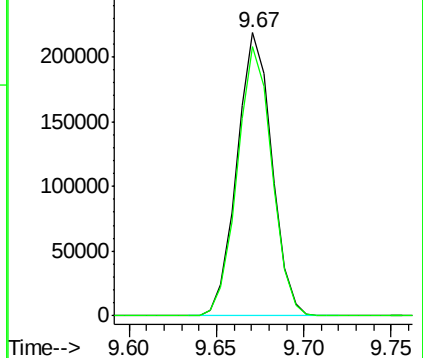
107 100

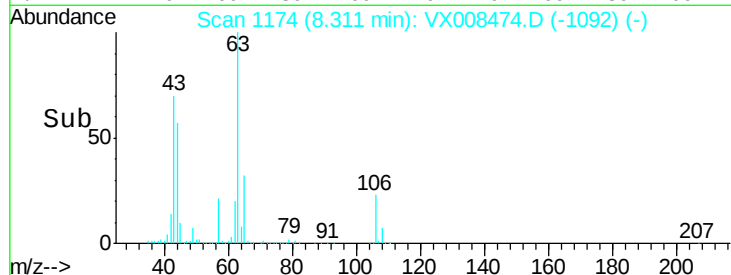
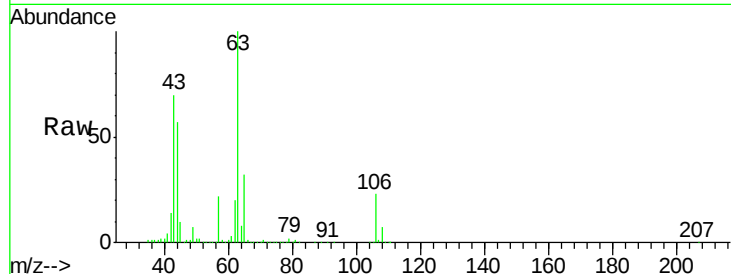
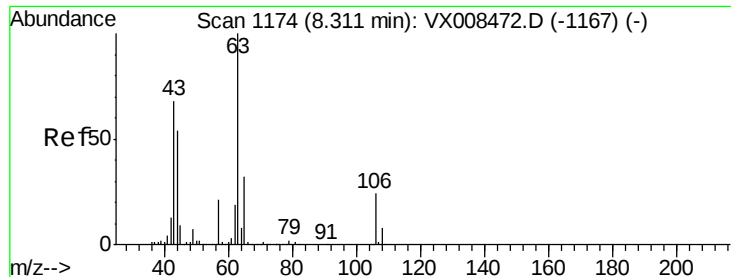
109 94.3 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 835.777 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Tot Ion: 63 Resp: 1572001

Ion Ratio Lower Upper

63 100

65 32.0 25.7 38.5

106 23.8 23.7 35.5

Instrument :

MSVOA_X

ClientSampleId :

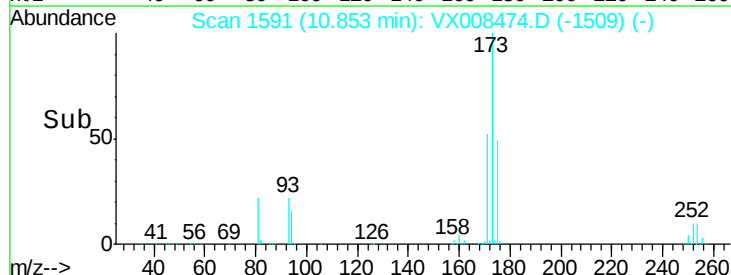
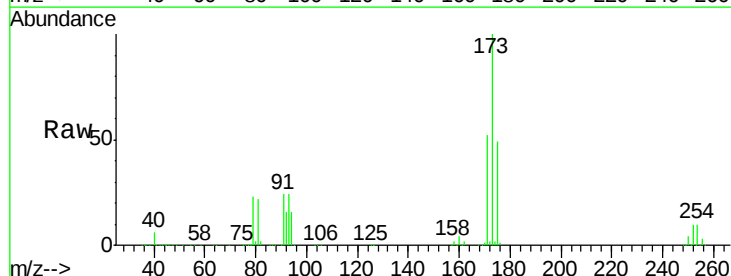
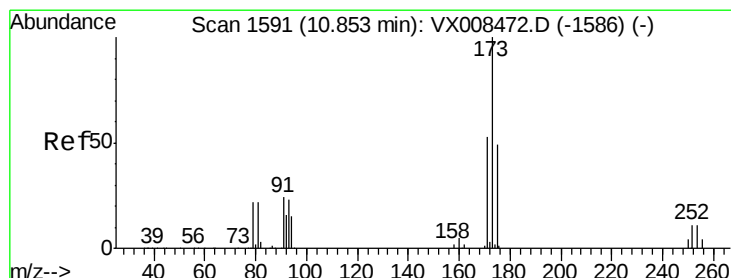
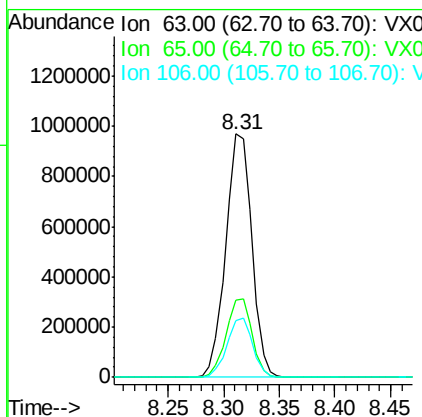
VSTDIC100

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#56

Bromoform

Concen: 100.564 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

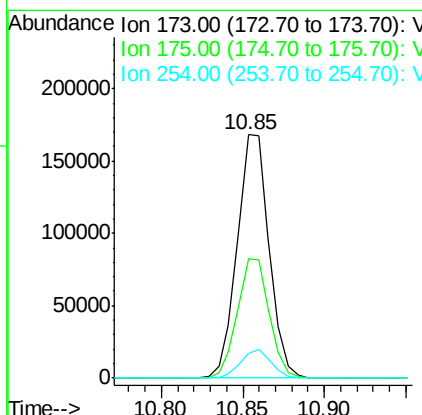
Tgt Ion: 173 Resp: 229178

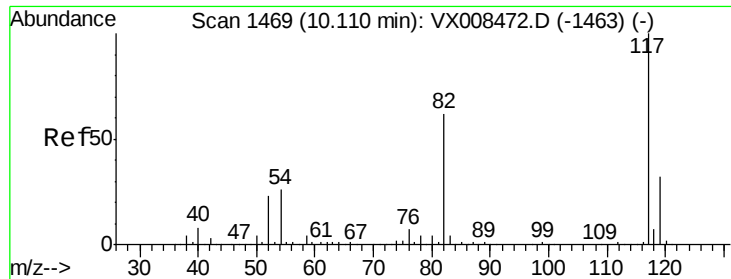
Ion Ratio Lower Upper

173 100

175 49.0 38.5 57.7

254 11.1 7.4 11.2





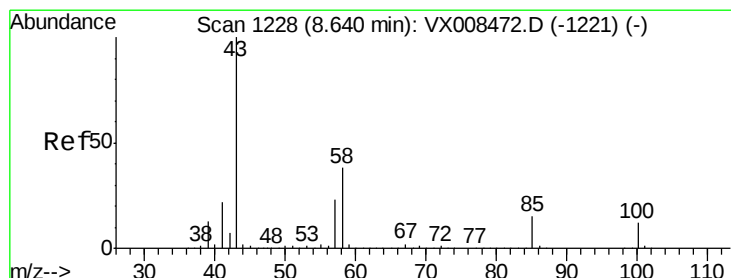
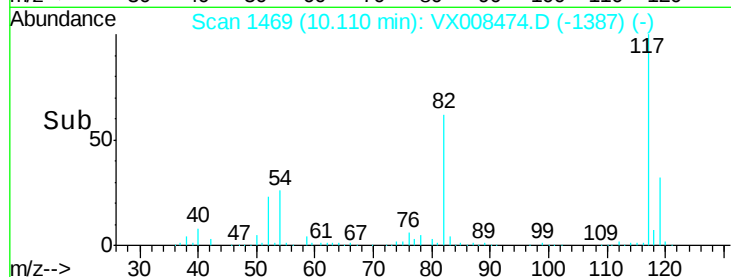
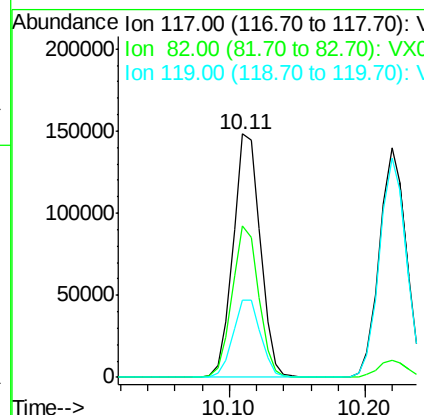
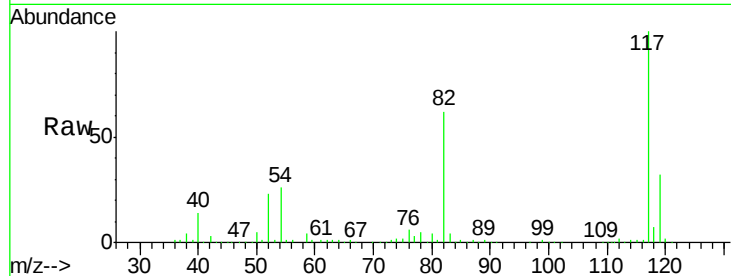
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	40.4	60.6
119	32.3	25.8	38.6

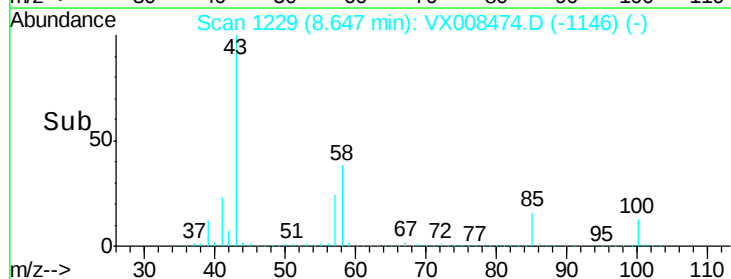
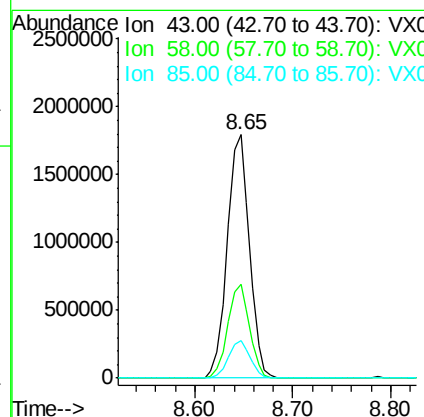
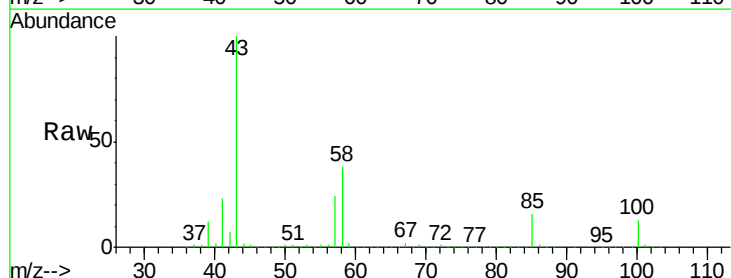
Manual Integrations
APPROVED

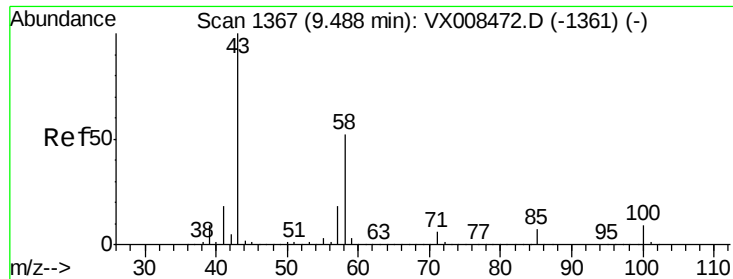
MMDadoda
3/28/2019 9:37:15 AM



#58
4-Methyl-2-Pentanone
Concen: 816.100 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.9	31.4	47.0
85	15.4	15.0	22.6





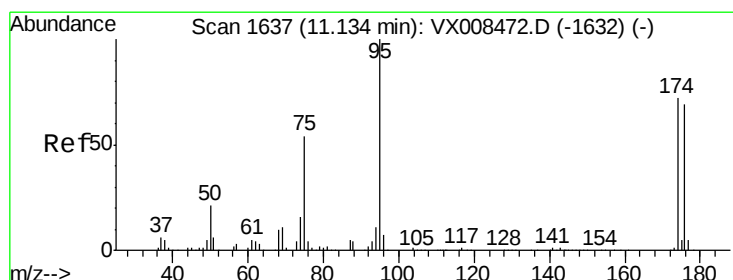
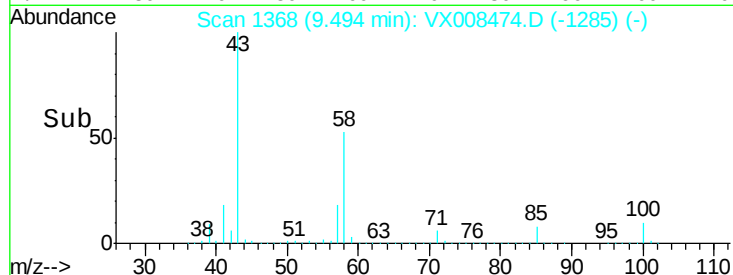
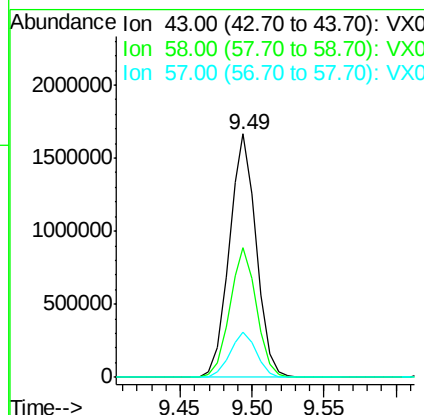
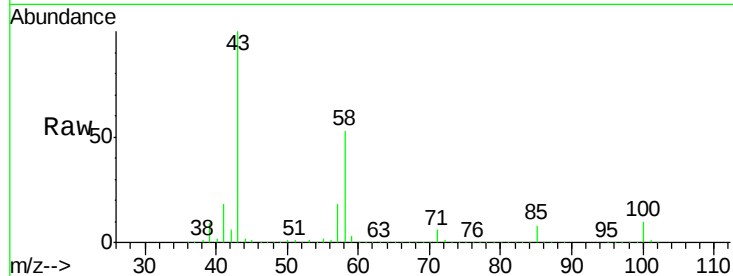
#59
2-Hexanone
Concen: 799.347 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2186150
Ion Ratio Lower Upper
43 100
58 52.7 43.9 65.9
57 18.3 14.9 22.3

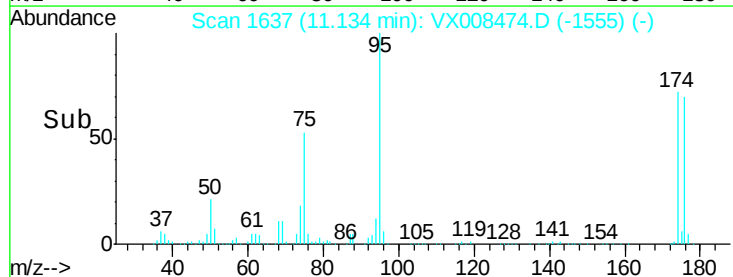
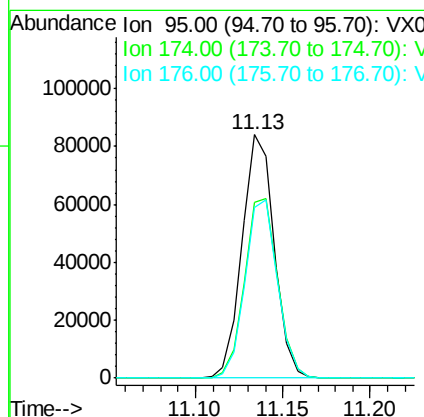
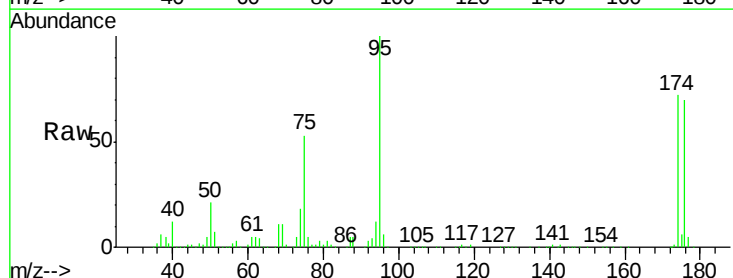
Manual Integrations
APPROVED

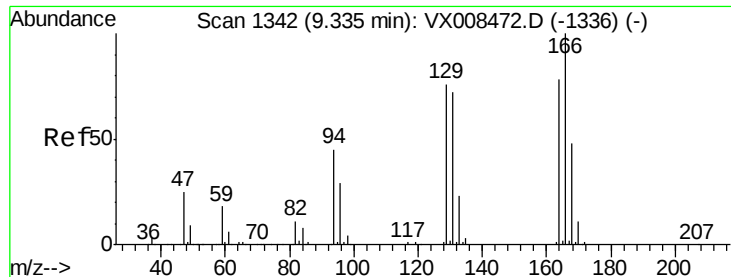
MMDadoda
3/28/2019 9:37:15 AM



#60
4-Bromofluorobenzene
Concen: 32.221 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion: 95 Resp: 107699
Ion Ratio Lower Upper
95 100
174 75.7 74.9 112.3
176 73.8 70.7 106.1





#61

Tetrachloroethene

Concen: 81.503 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 225287

Ion Ratio Lower Upper

164 100

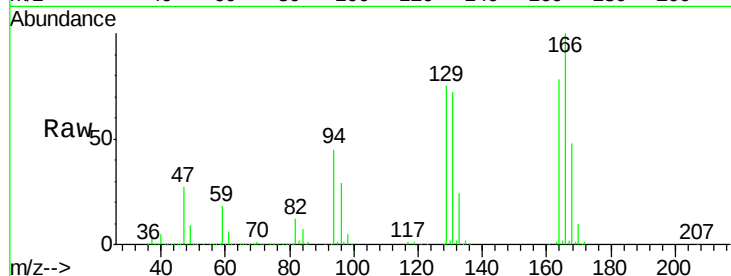
166 128.2 103.9 155.9

129 96.0 74.7 112.1

131 91.9 71.7 107.5

Manual Integrations
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MMDadoda
3/28/2019 9:37:15 AM

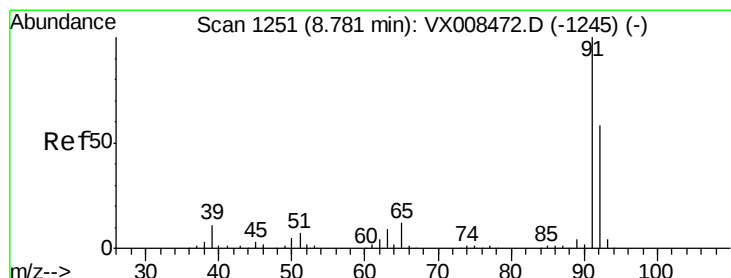
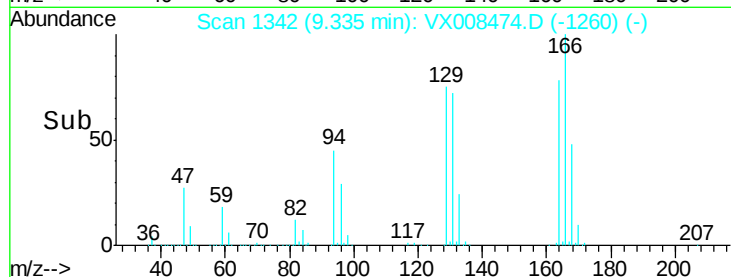
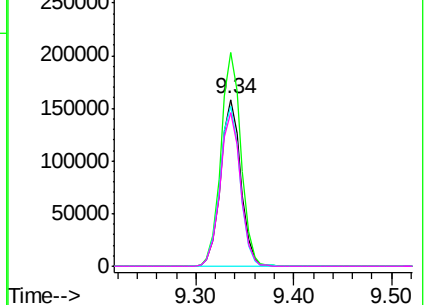


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 114.453 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008474.D

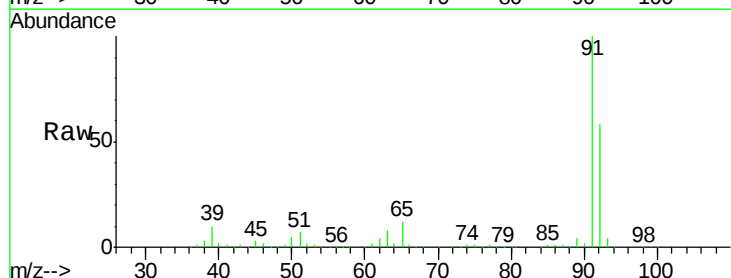
Acq: 27 Mar 2019 11:17

Tgt Ion: 91 Resp: 1247506

Ion Ratio Lower Upper

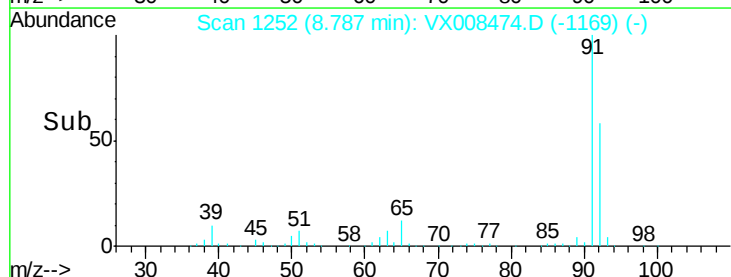
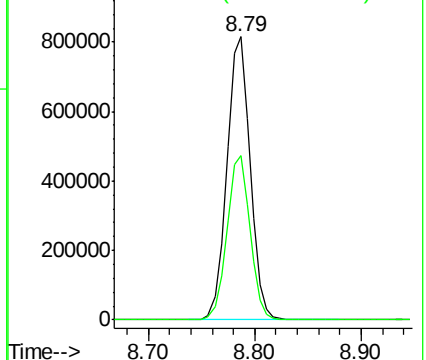
91 100

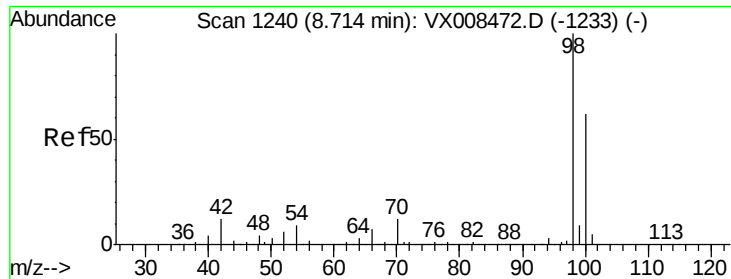
92 57.8 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





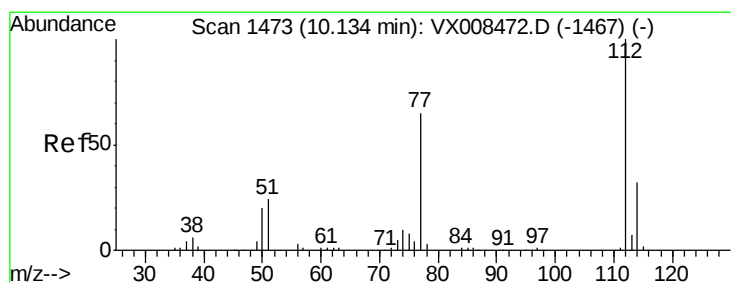
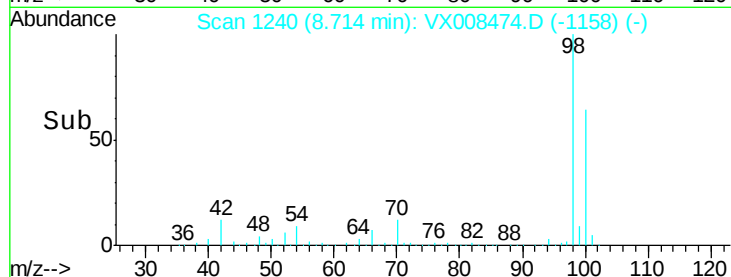
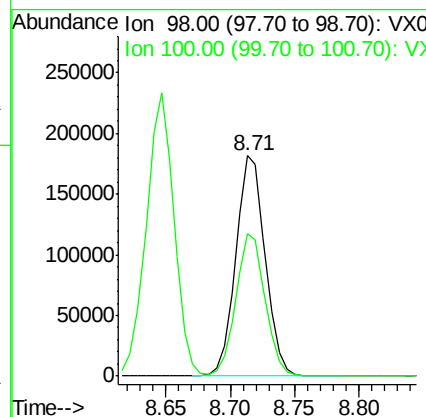
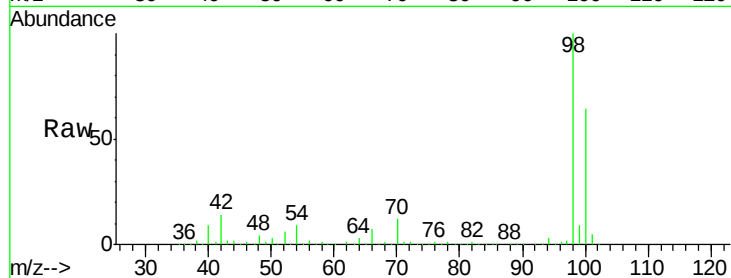
#63
Toluene-d8
Concen: 31.120 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion: 98 Resp: 287916
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3

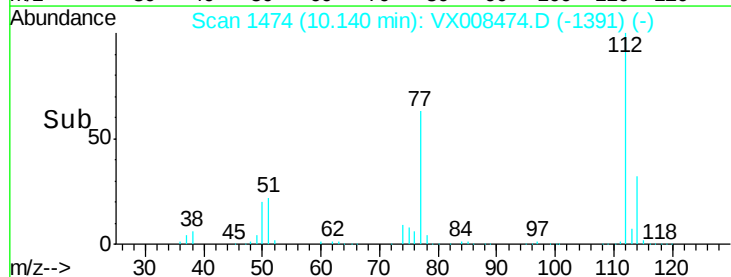
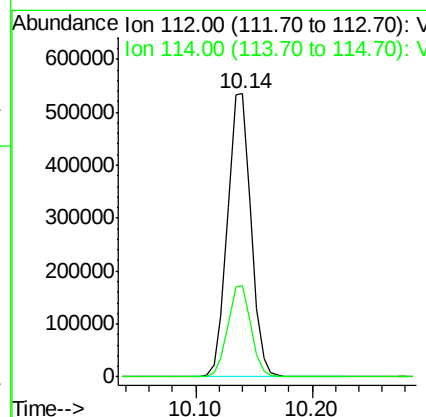
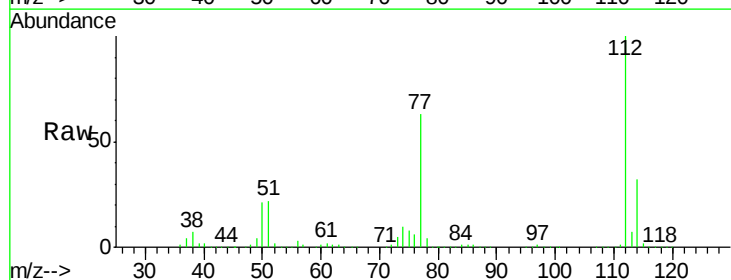
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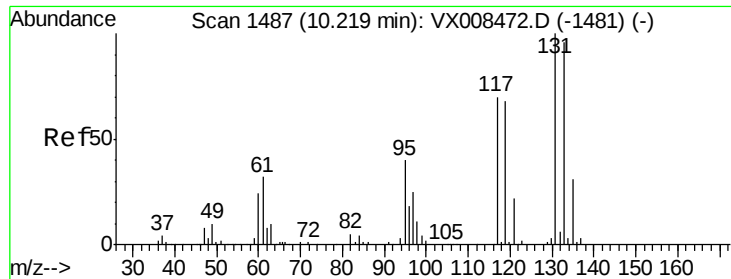
MMDadoda
3/28/2019 9:37:15 AM



#64
Chlorobenzene
Concen: 106.116 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion: 112 Resp: 745666
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2





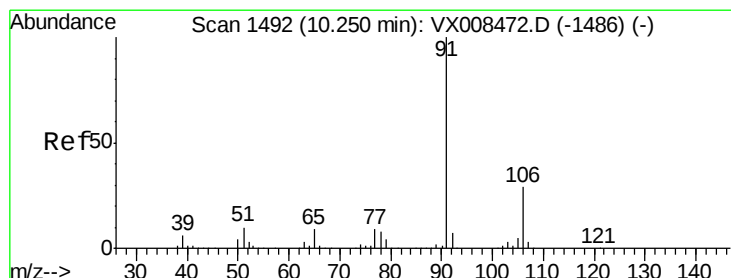
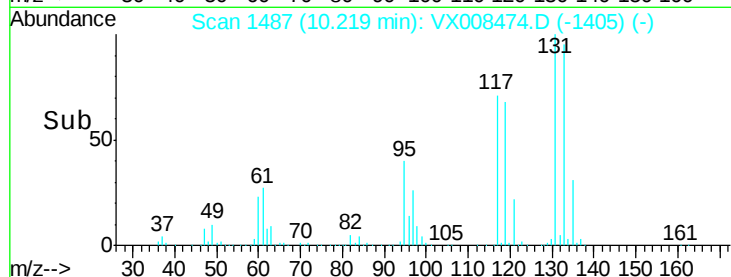
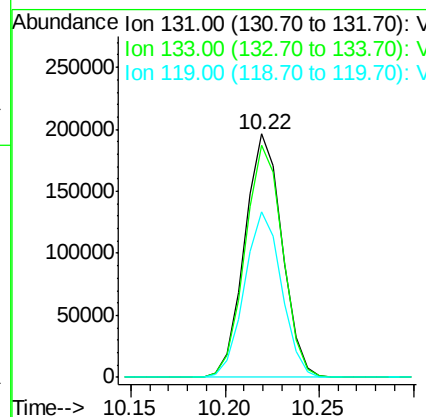
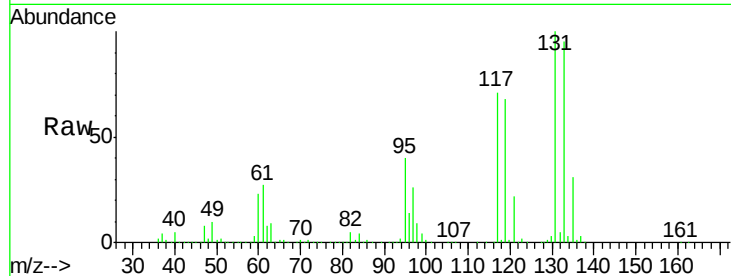
#65
 1,1,1,2-Tetrachloroethane
 Concen: 100.432 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	269536		
133	95.4	0.0	191.6	
119	67.6	0.0	127.4	

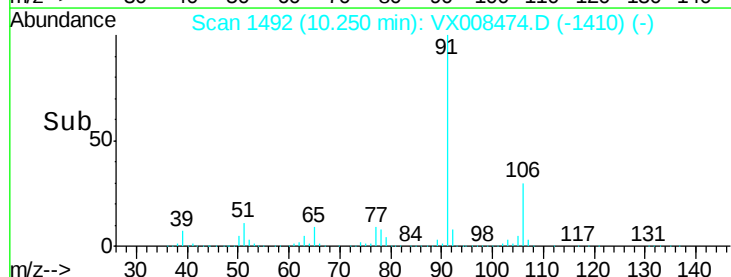
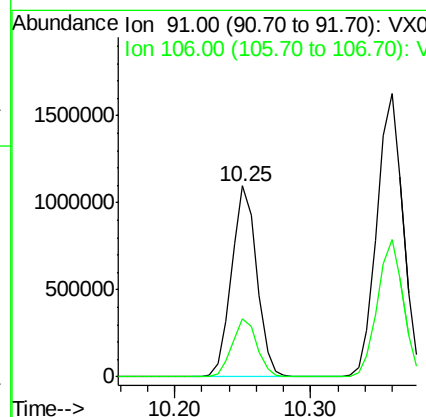
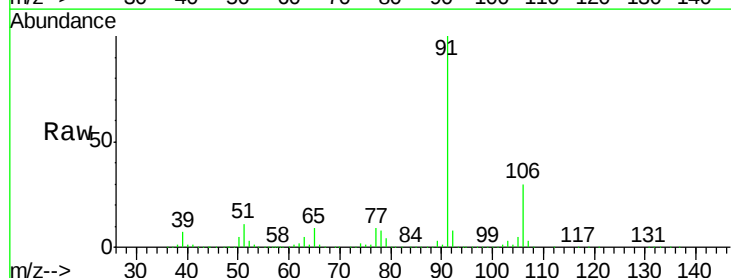
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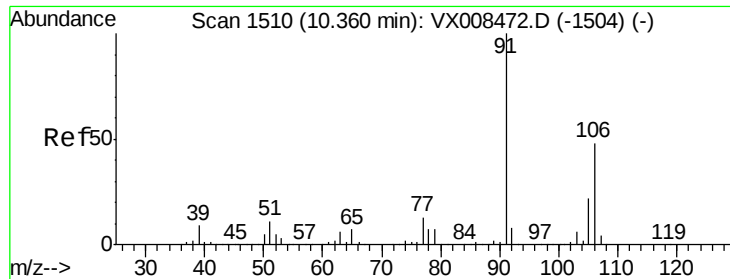
MMDadoda
 3/28/2019 9:37:15 AM



#66
 Ethyl Benzene
 Concen: 119.727 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1411309		
106	30.3	26.0	39.0	





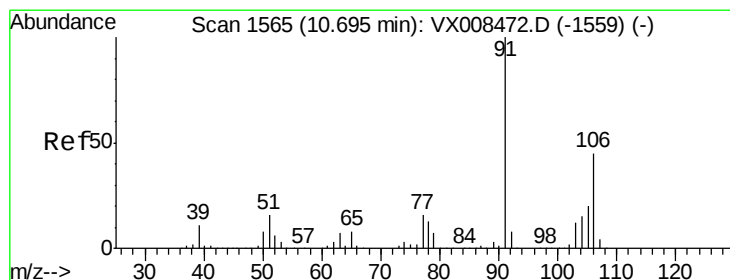
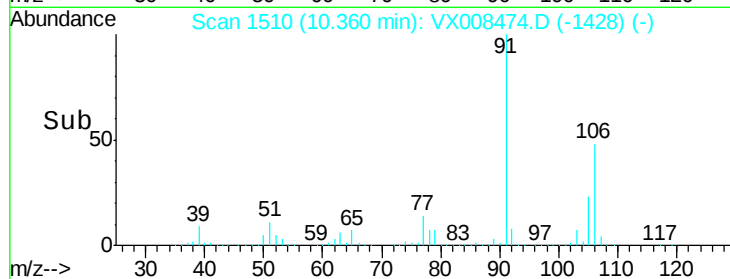
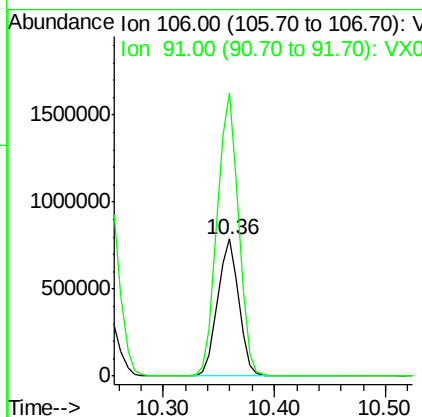
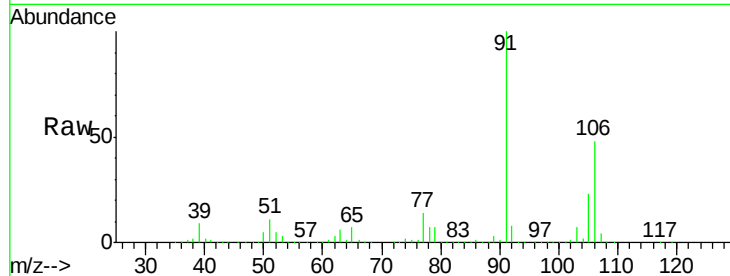
#67
m/p-Xylenes
Concen: 221.970 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1039932
Ion Ratio Lower Upper
106 100
91 209.0 157.0 235.4

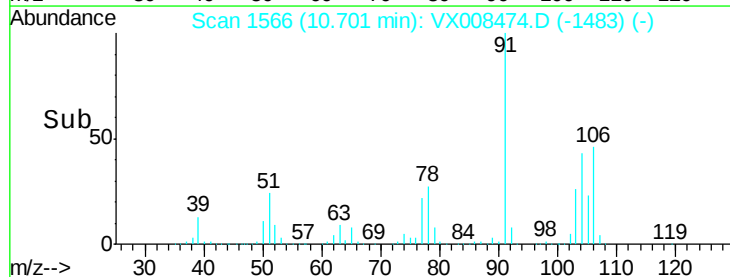
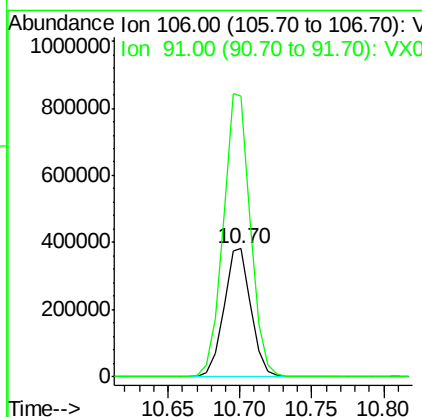
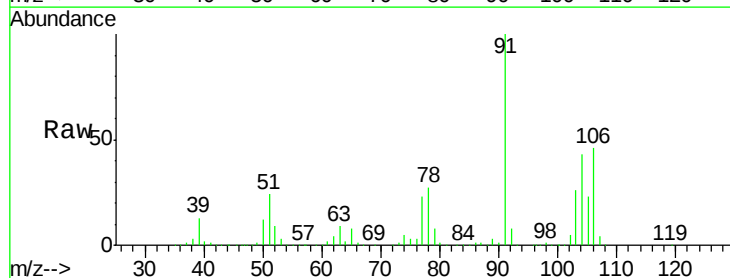
Manual Integrations
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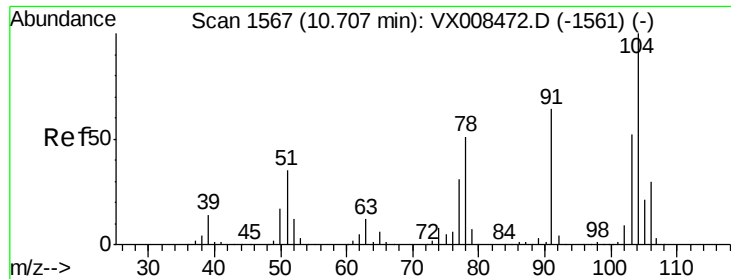
MMDadoda
3/28/2019 9:37:15 AM



#68
o-Xylene
Concen: 111.993 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion:106 Resp: 504035
Ion Ratio Lower Upper
106 100
91 221.5 104.4 313.2





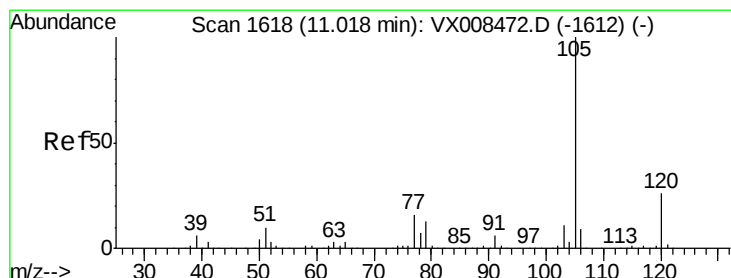
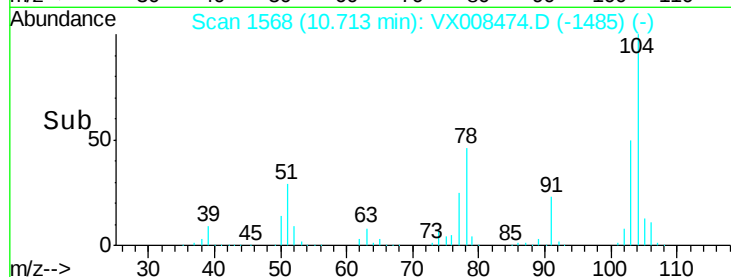
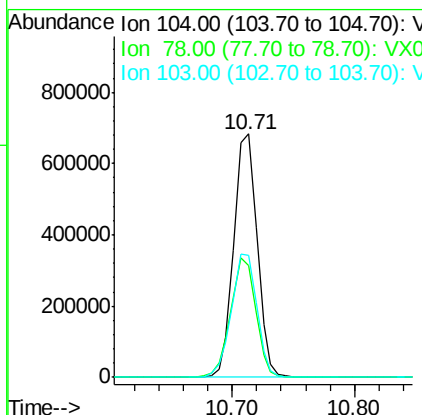
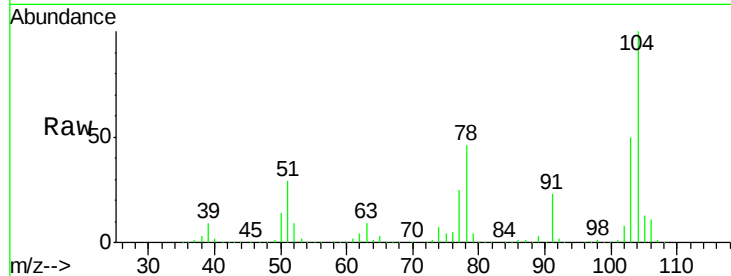
#69
Stvrene
Concen: 118.687 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	38.2	57.2
103	55.4	45.0	67.4

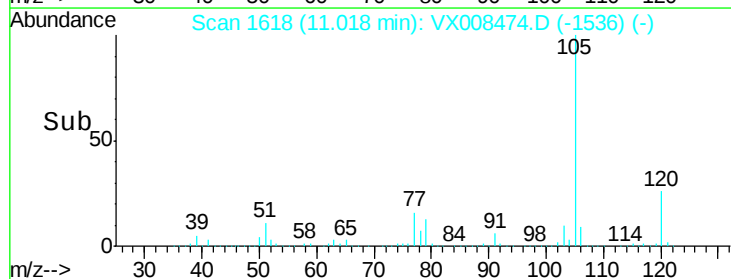
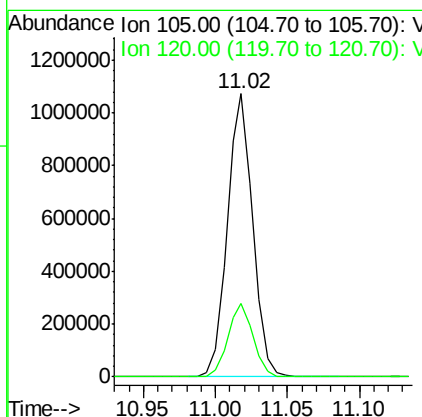
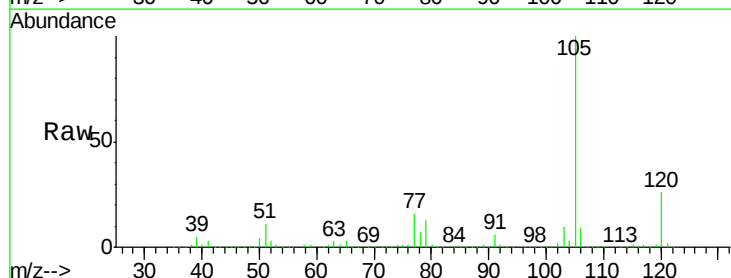
Manual Integrations
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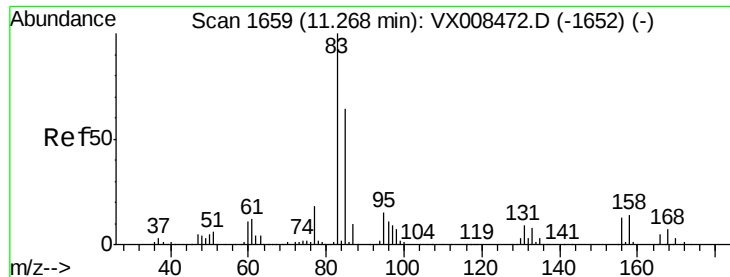
MMDadoda
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#70
Isopropylbenzene
Concen: 111.952 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	19.8	36.8





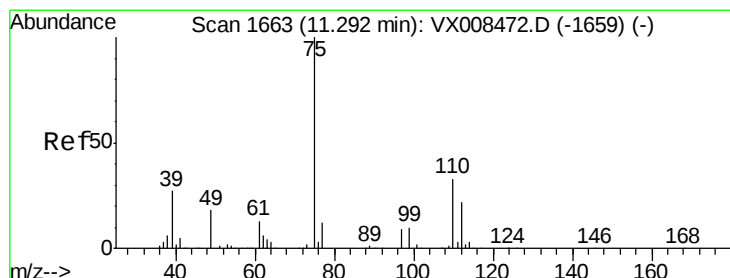
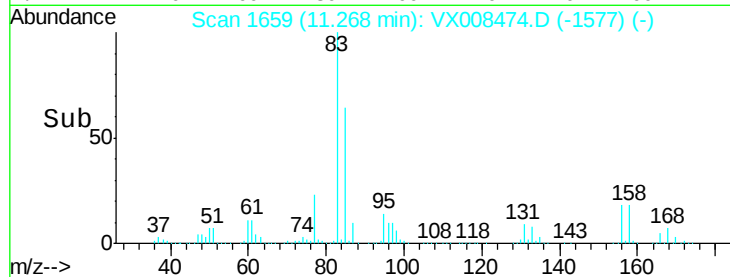
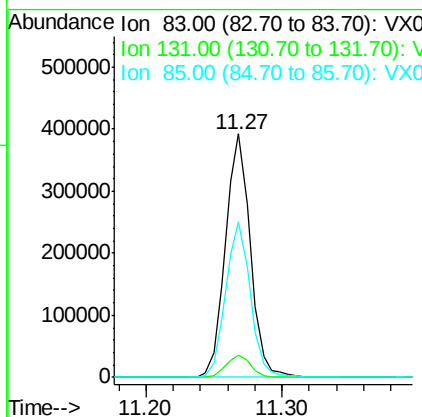
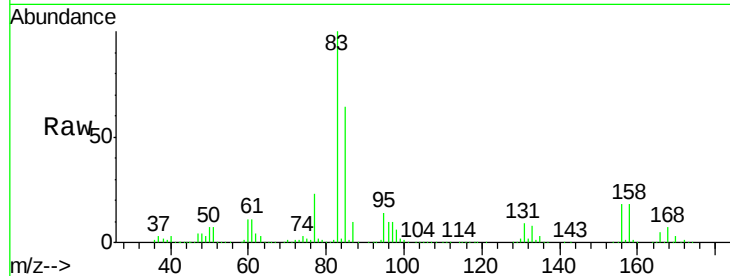
#71
 1,1,2,2-Tetrachloroethane
 Concen: 123.051 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	83	Resp	496853
Ion Ratio	100	Lower	Upper
83	100		
131	9.0	5.4	16.2
85	63.9	32.8	98.4

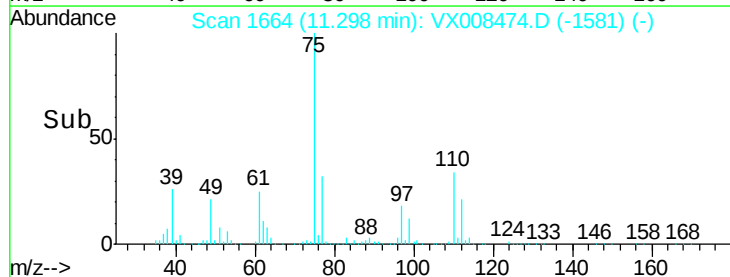
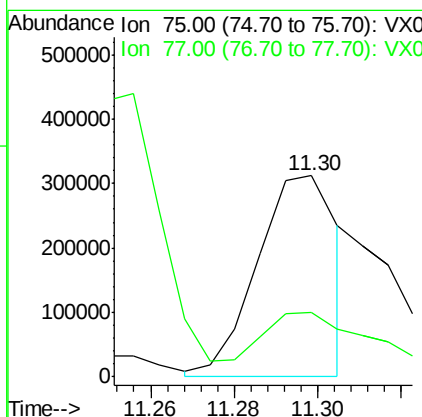
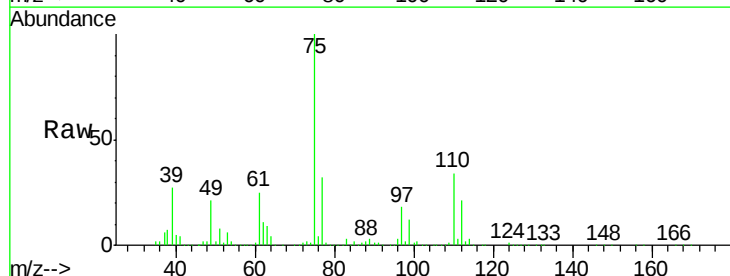
Manual Integrations
 APPROVED

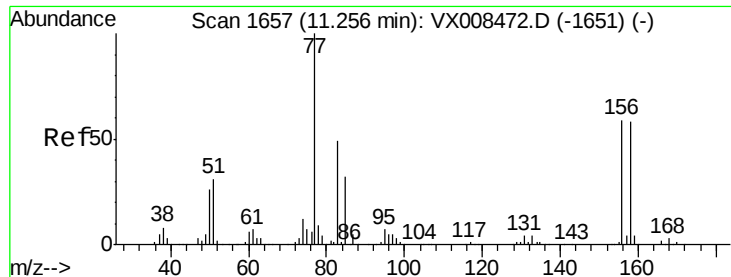
MMDadoda
 3/28/2019 9:37:15 AM



#72
 1,2,3-Trichloropropane
 Concen: 127.768 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	75	Resp	415575
Ion Ratio	100	Lower	Upper
75	100		
77	46.2	0.0	76.4





#73

Bromobenzene

Concen: 99.085 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

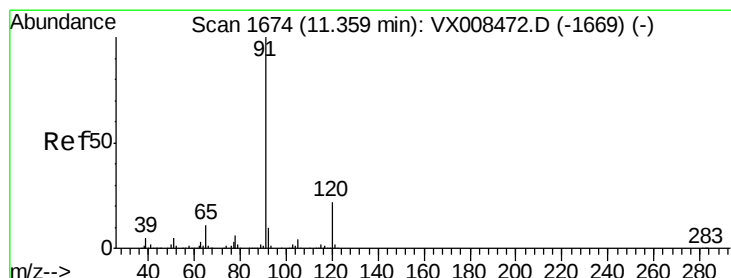
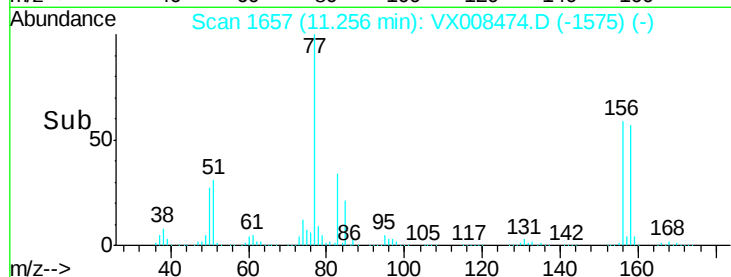
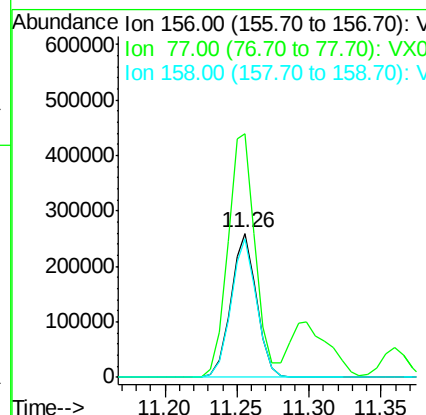
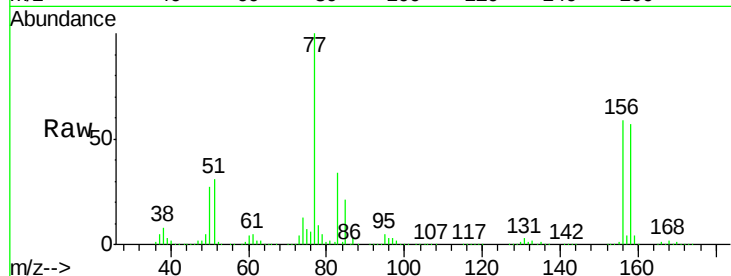
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	324622
Ion Ratio	Lower	Upper	
156	100		
77	178.9	0.0	271.4
158	96.7	0.0	194.0

Manual Integrations
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#74

n-propylbenzene

Concen: 121.311 ug/l

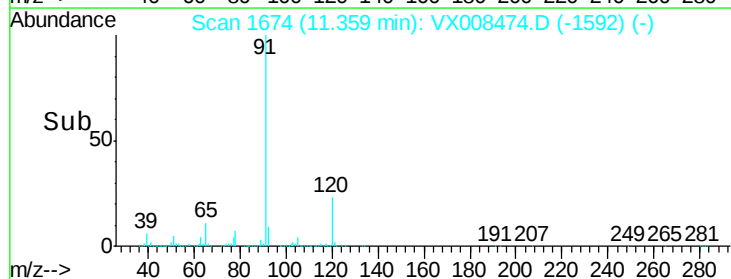
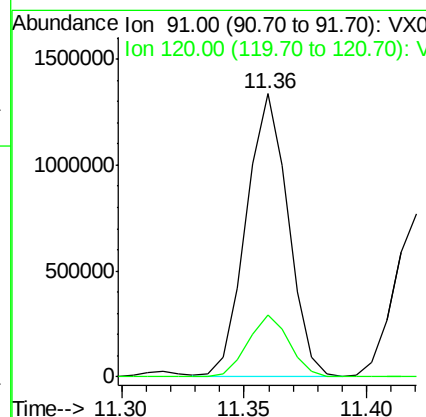
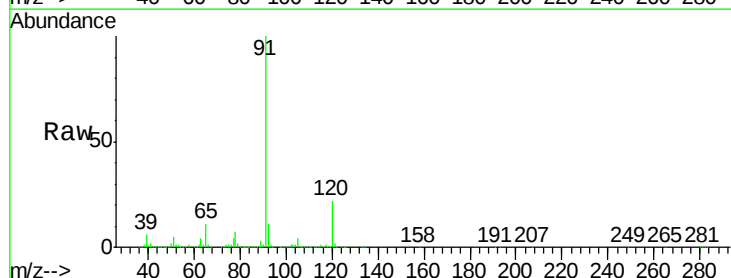
RT: 11.36 min Scan# 1674

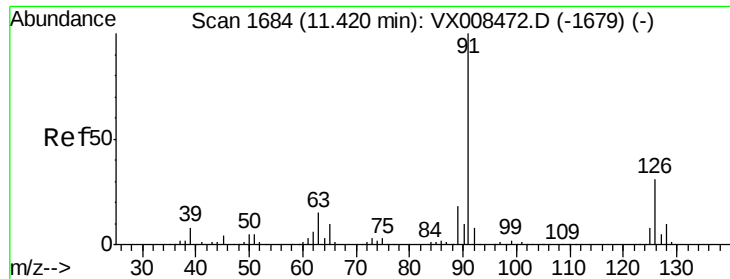
Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Tgt Ion:	91	Resp:	1601147
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	48.6





#75

2-Chlorotoluene

Concen: 120.608 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 950667

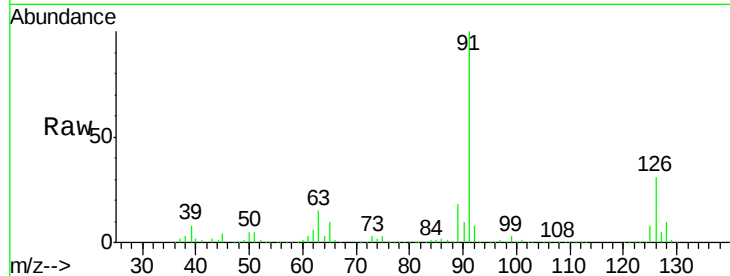
Ion Ratio Lower Upper

91 100

126 31.8 0.0 75.2

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX008474.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008474.D (-1679) (-)

1500000

1000000

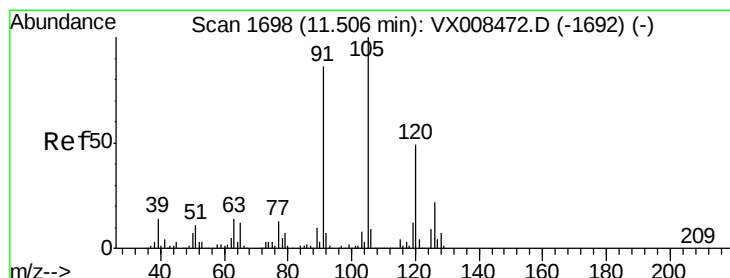
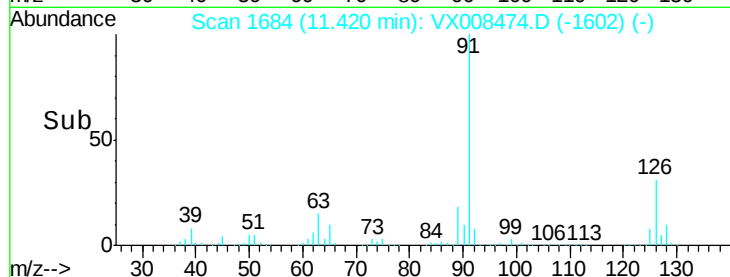
500000

0

11.42

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 113.613 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008474.D

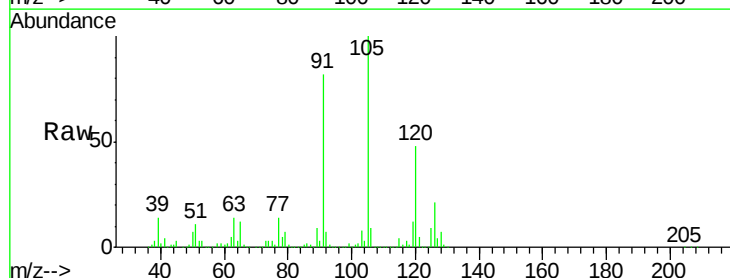
Acq: 27 Mar 2019 11:17

Tgt Ion:105 Resp: 1149276

Ion Ratio Lower Upper

105 100

120 47.5 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008474.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008474.D (-1692) (-)

1000000

800000

600000

400000

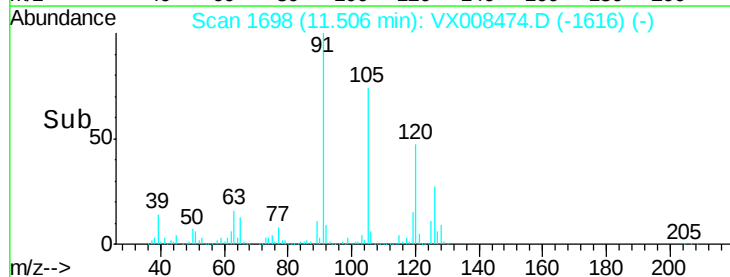
200000

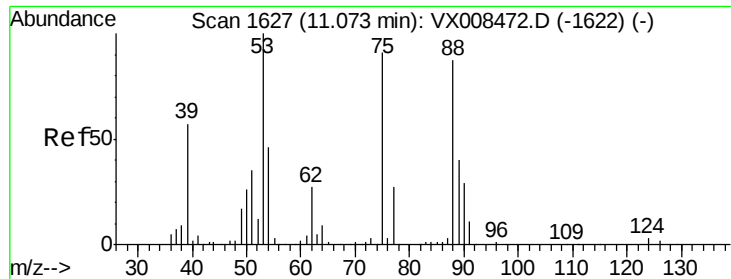
0

11.51

11.45 11.55 11.60

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 160.537 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 184981

Ion Ratio Lower Upper

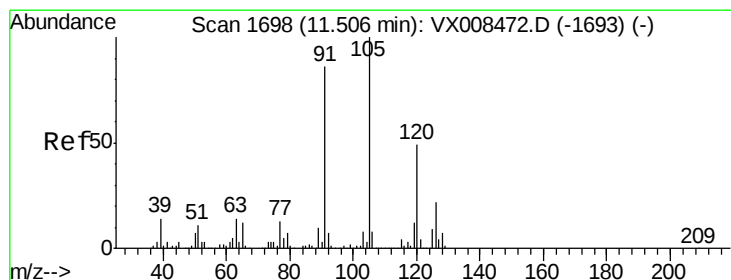
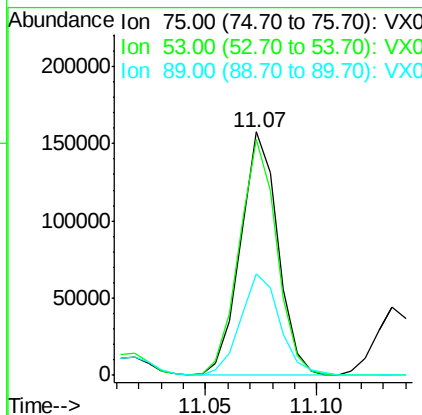
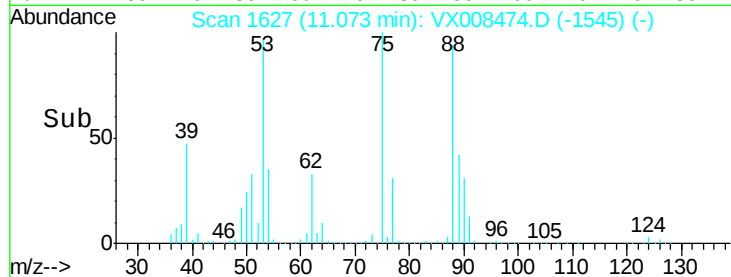
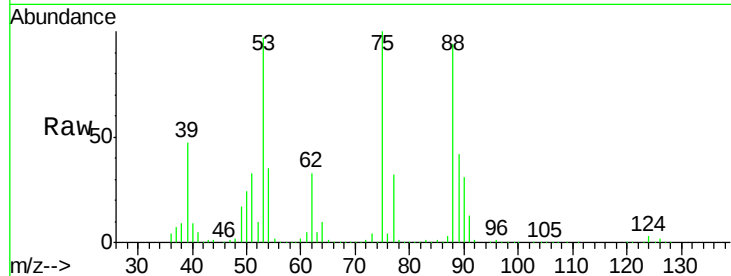
75 100

53 96.8 55.5 166.7

89 41.8 24.4 73.2

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#78

4-Chlorotoluene

Concen: 119.218 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008474.D

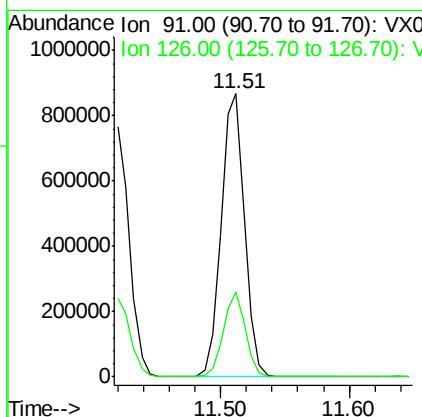
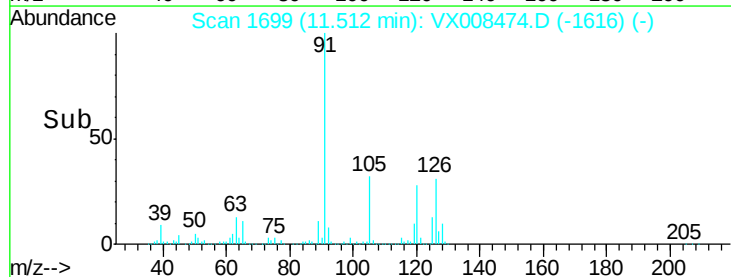
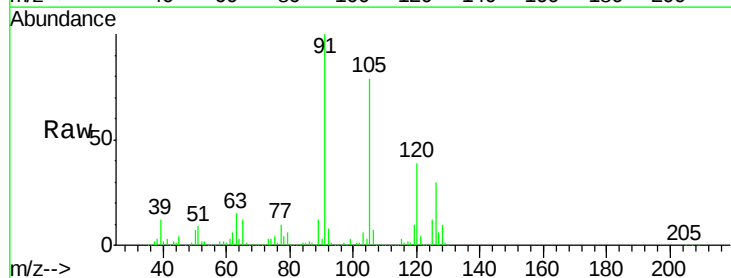
Acq: 27 Mar 2019 11:17

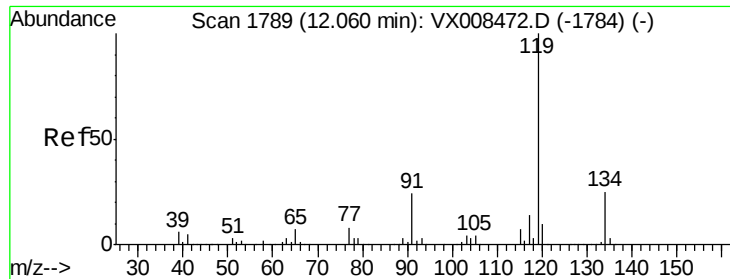
Tgt Ion: 91 Resp: 1105957

Ion Ratio Lower Upper

91 100

126 28.3 0.0 66.2





#79

tert-butylbenzene

Concen: 111.070 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1181858

Ion Ratio Lower Upper

119 100

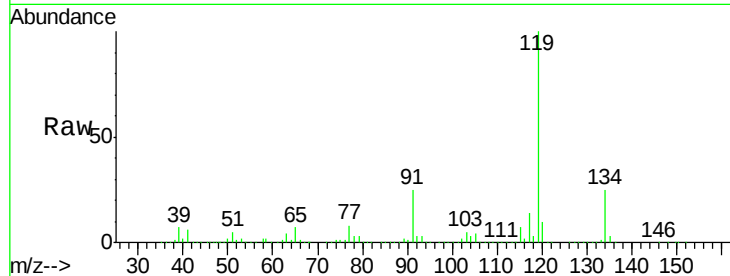
91 24.5 0.0 45.0

134 25.6 0.0 55.4

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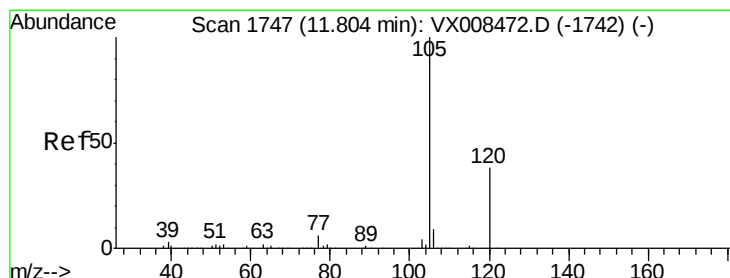
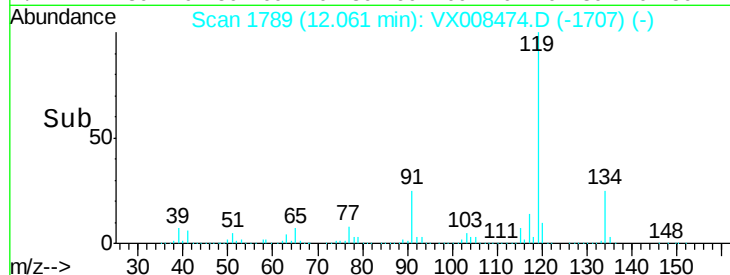
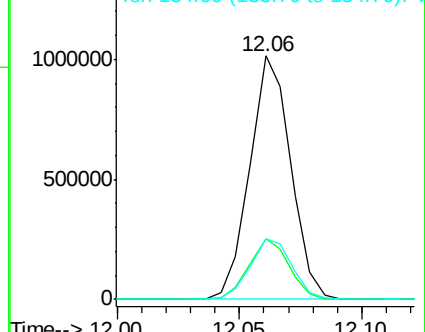
3/28/2019 9:37:15 AM



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: 114.223 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008474.D

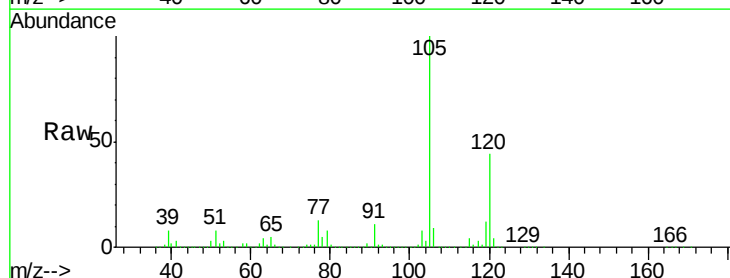
Acq: 27 Mar 2019 11:17

Tgt Ion:105 Resp: 1148162

Ion Ratio Lower Upper

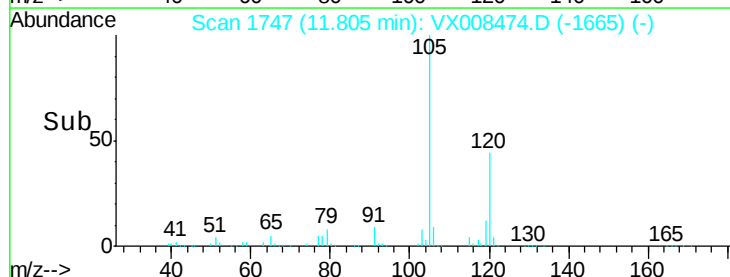
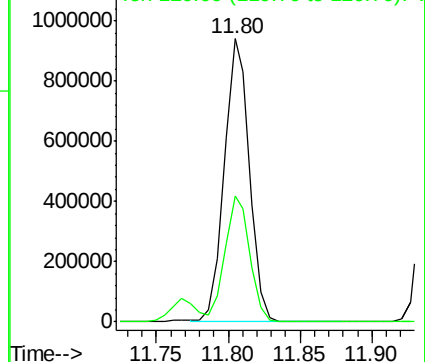
105 100

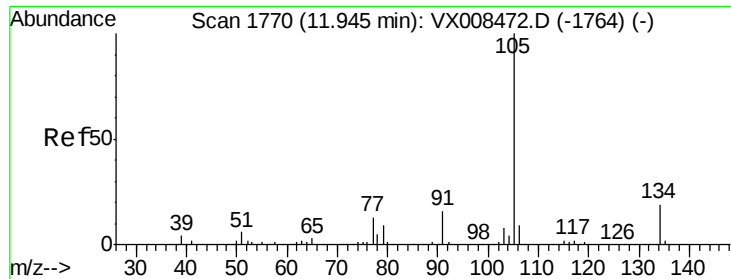
120 43.8 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 113.335 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1307673

Ion Ratio Lower Upper

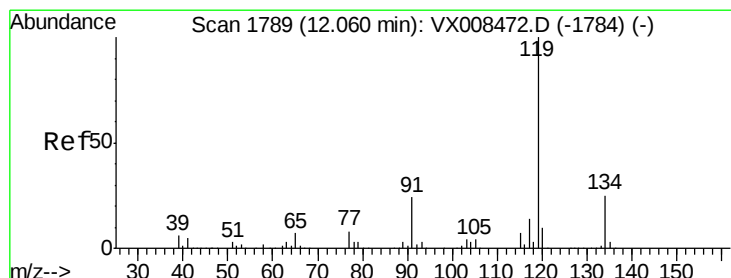
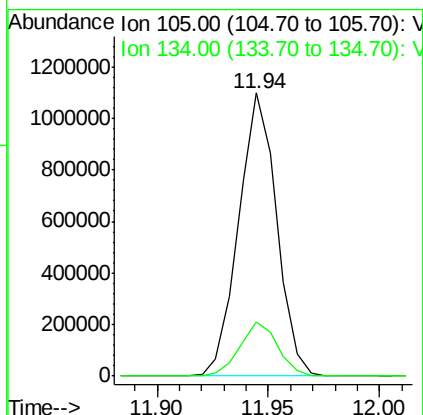
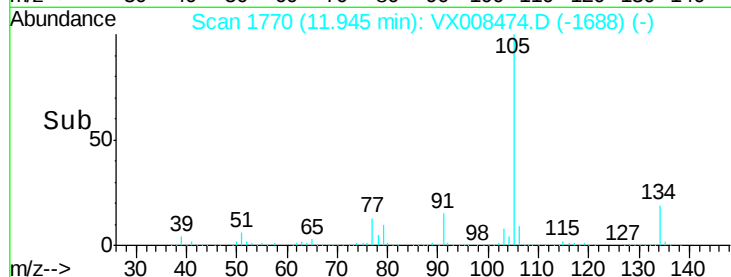
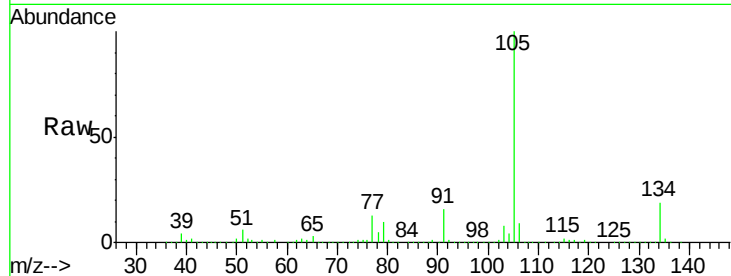
105 100

134 19.0 0.0 41.8

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#82

p-Isopropyltoluene

Concen: 111.070 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

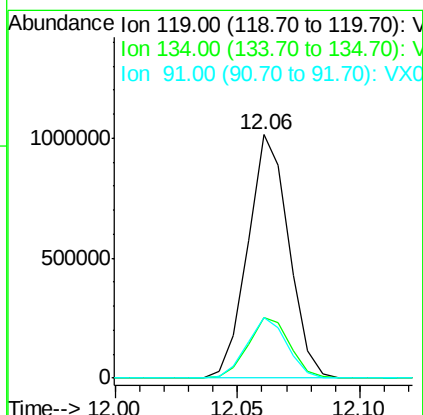
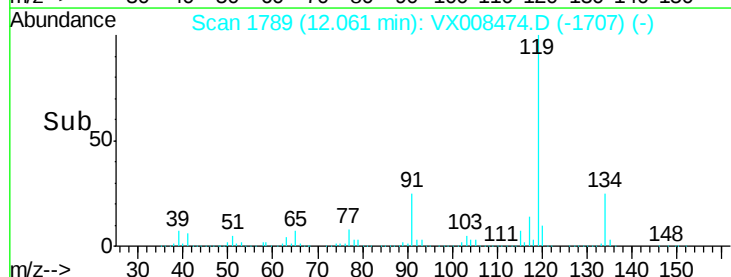
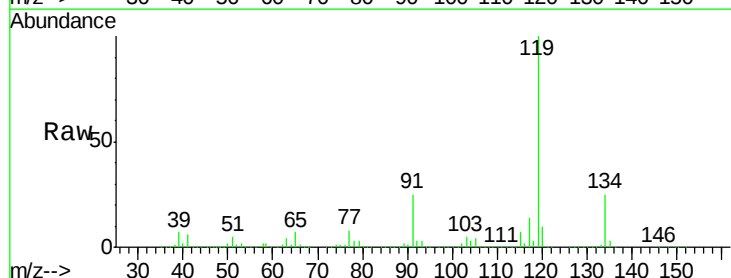
Tgt Ion:119 Resp: 1181858

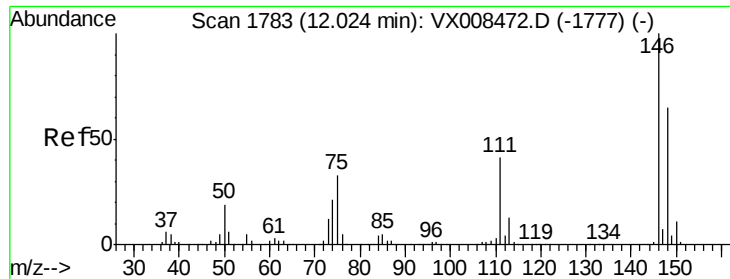
Ion Ratio Lower Upper

119 100

134 25.6 0.0 55.4

91 24.5 0.0 45.0





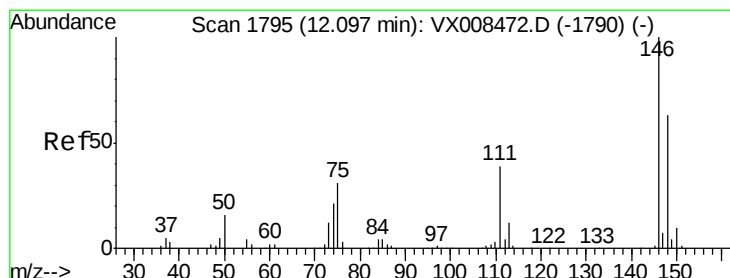
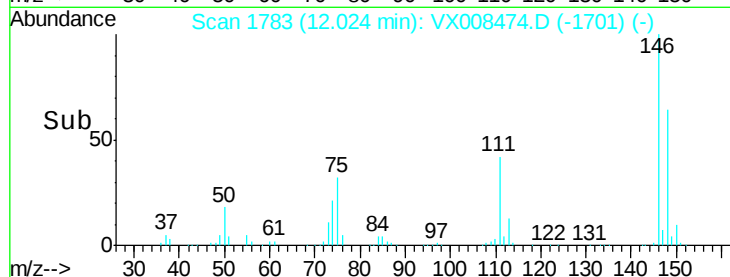
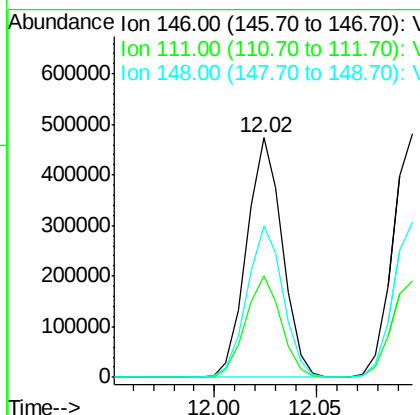
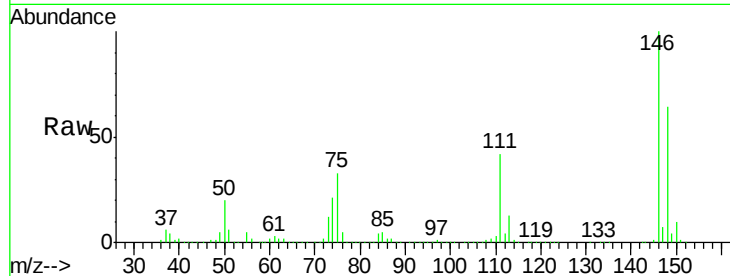
#83
 1,3-Dichlorobenzene
 Concen: 101.484 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.8	56.3
148	63.8	30.6	91.8

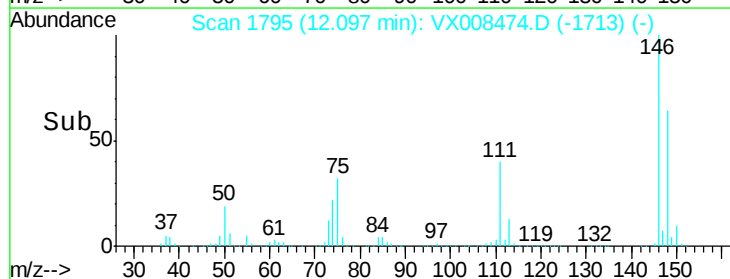
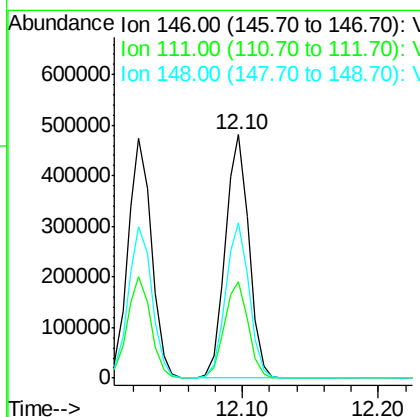
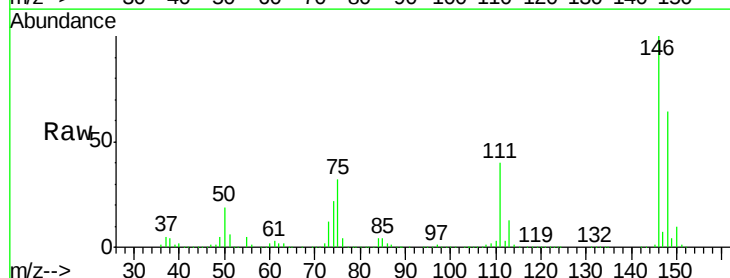
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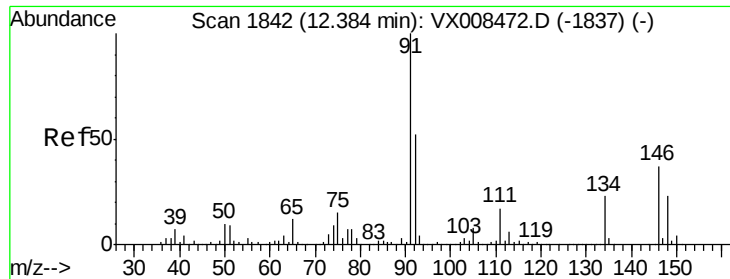
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#84
 1,4-Dichlorobenzene
 Concen: 101.781 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	17.6	52.8
148	63.5	31.4	94.2





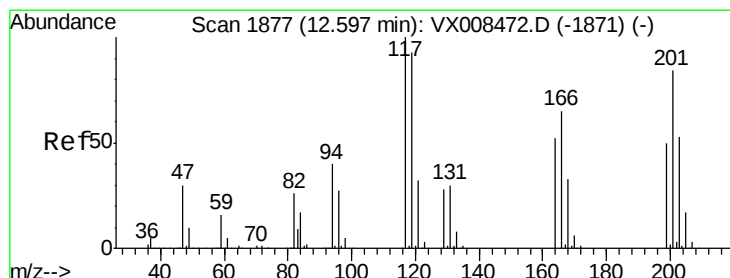
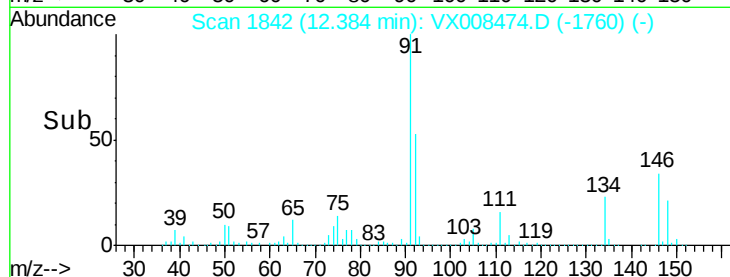
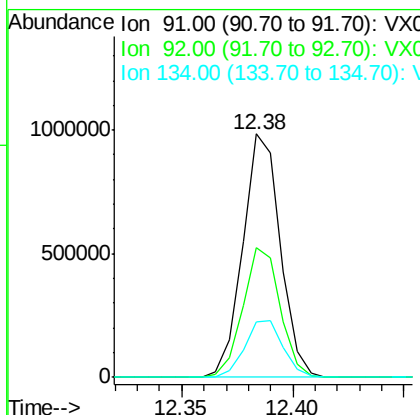
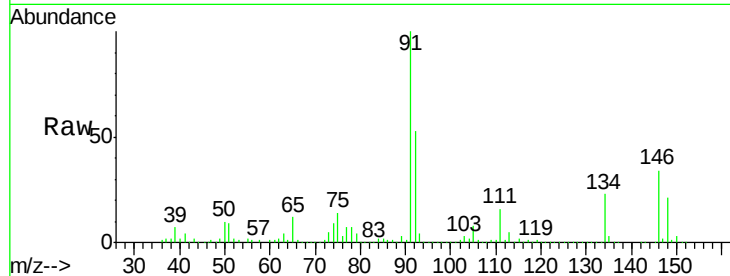
#85
n-Butylbenzene
Concen: 126.408 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1156994
Ion Ratio Lower Upper
91 100
92 53.0 0.0 105.2
134 24.0 0.0 56.4

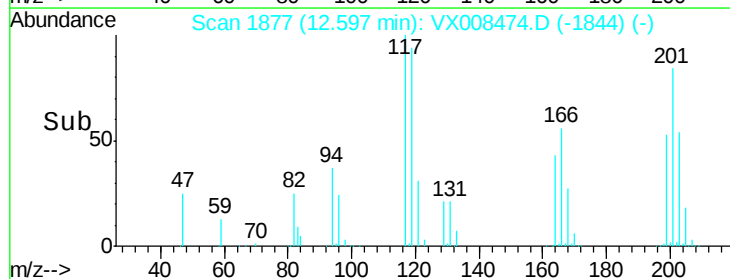
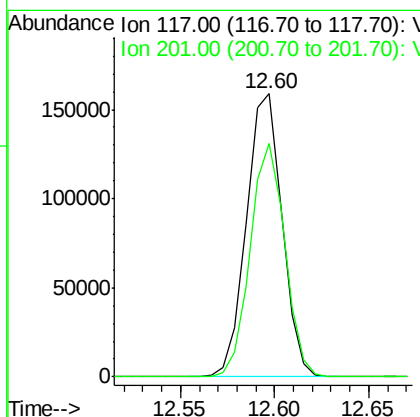
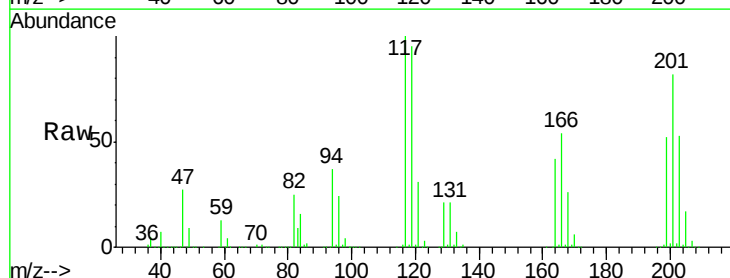
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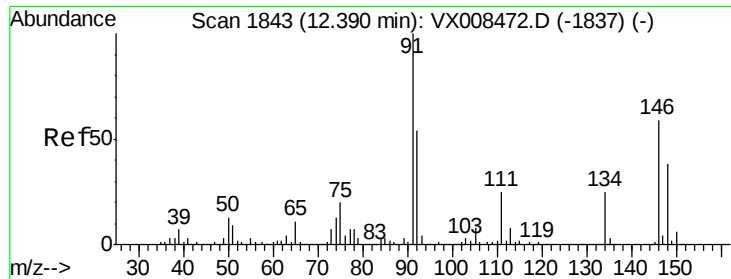
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#86
Hexachloroethane
Concen: 113.721 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion: 117 Resp: 208552
Ion Ratio Lower Upper
117 100
201 79.9 41.1 123.3





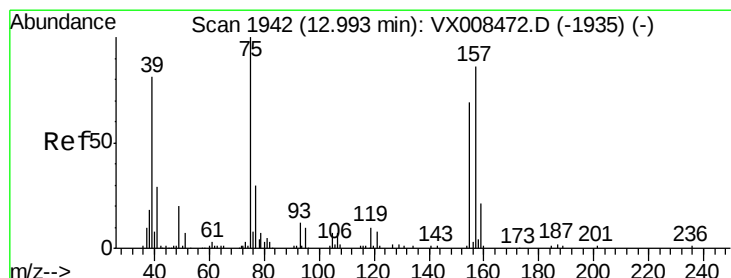
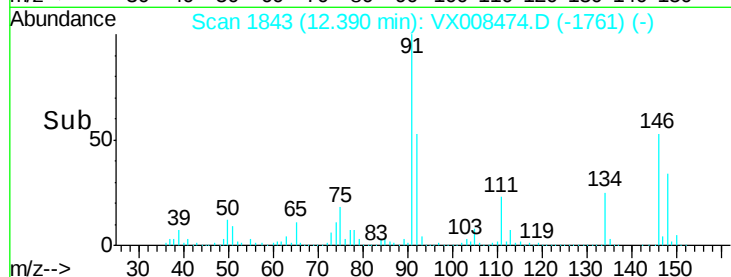
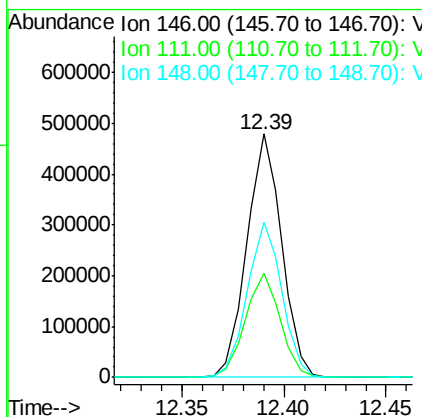
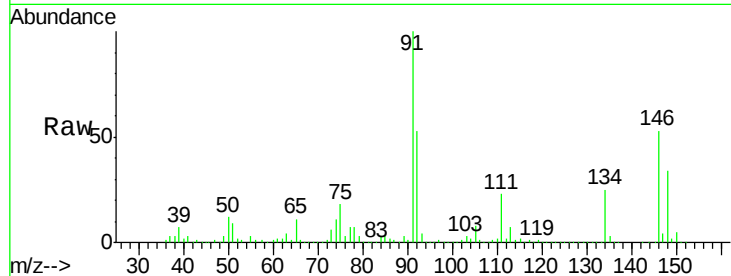
#87
 1,2-Dichlorobenzene
 Concen: 101.519 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.3	57.8
148	63.7	32.1	96.3

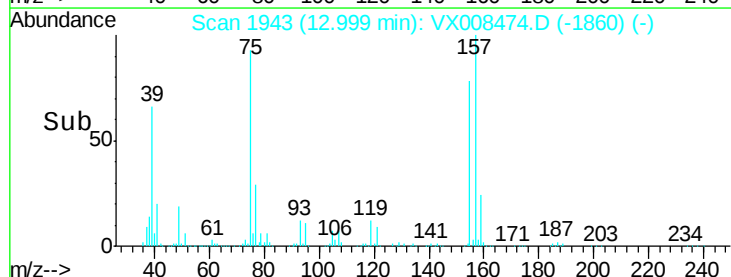
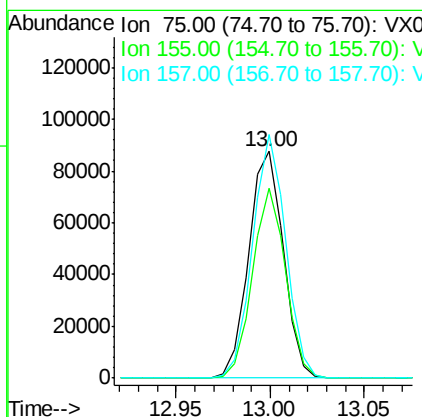
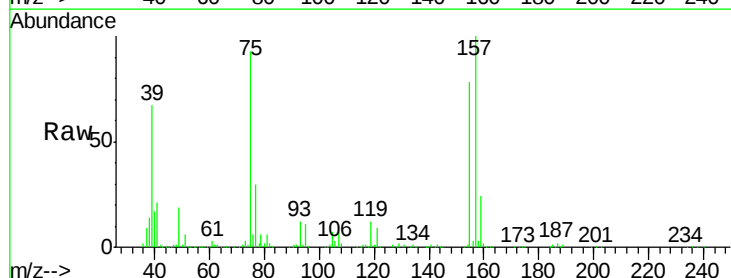
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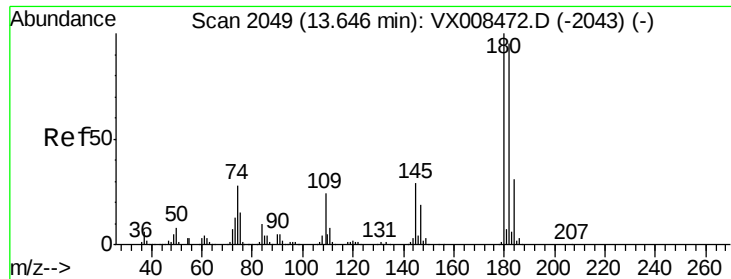
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 120.850 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	81.0	121.6#
157	102.8	103.2	154.8#





#89

1,2,4-Trichlorobenzene

Concen: 100.759 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:180 Resp: 399908

Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

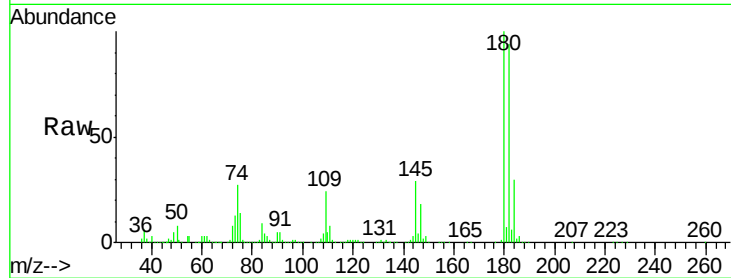
145 30.0 23.0 34.6

Manual Integrations

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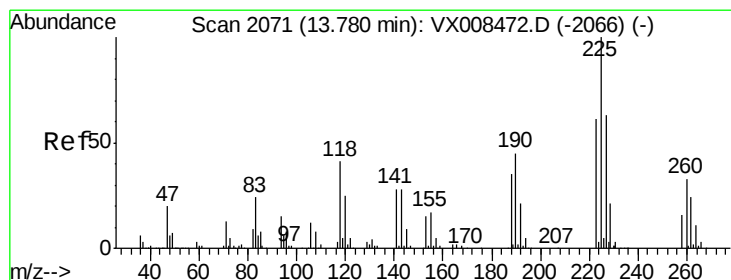
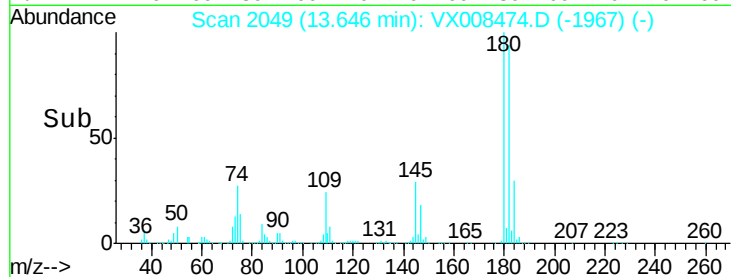
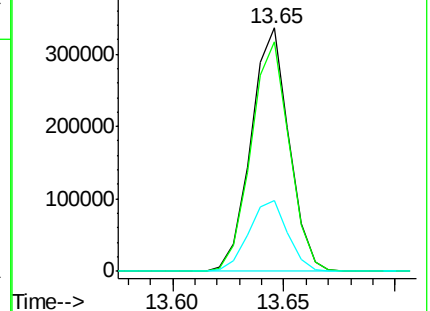
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Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 94.070 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

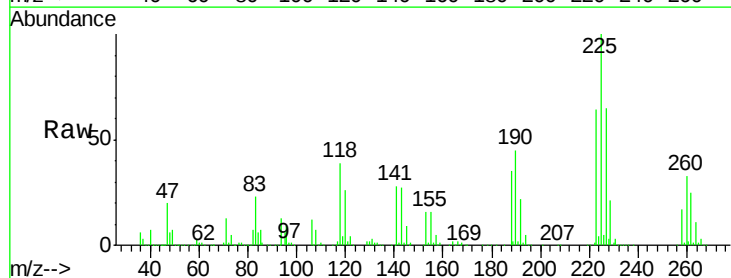
Tgt Ion:225 Resp: 187953

Ion Ratio Lower Upper

225 100

223 62.8 0.0 123.8

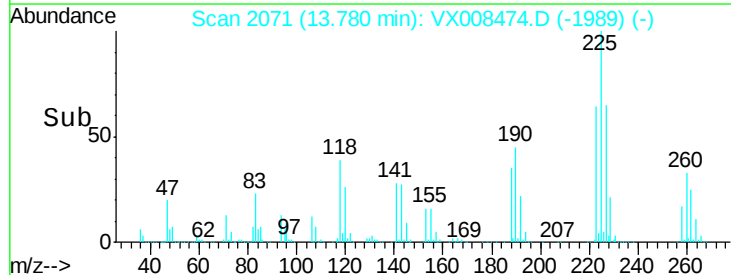
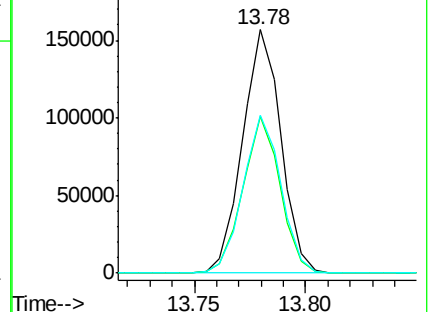
227 64.3 0.0 124.4

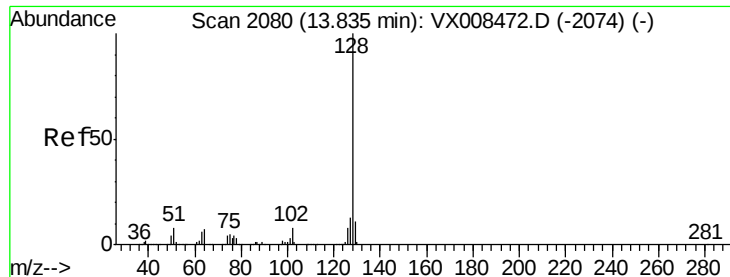


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 111.351 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:128 Resp: 1327365

Ion Ratio Lower Upper

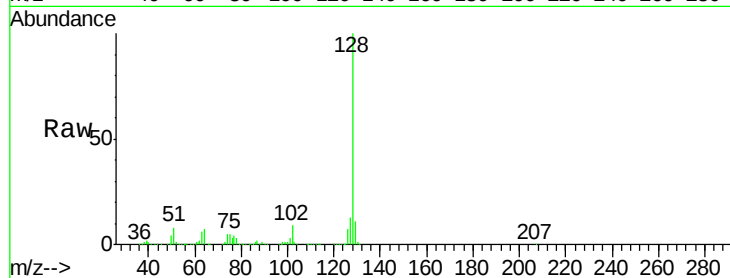
128 100

127 13.2 10.5 15.7

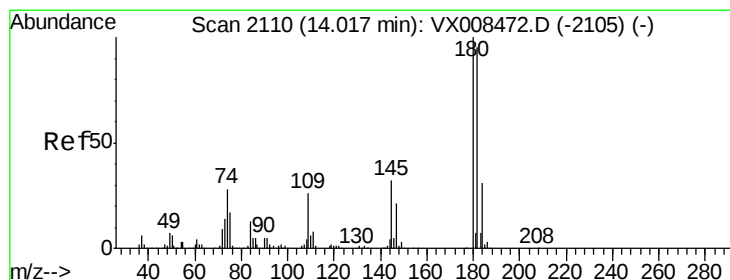
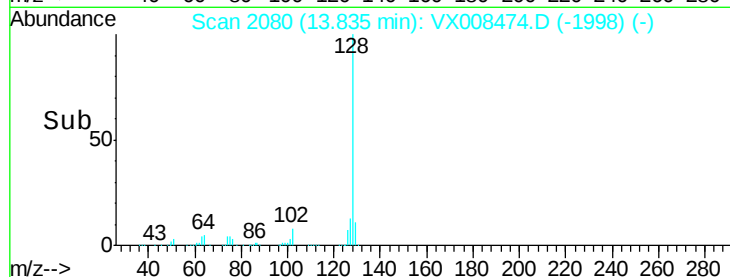
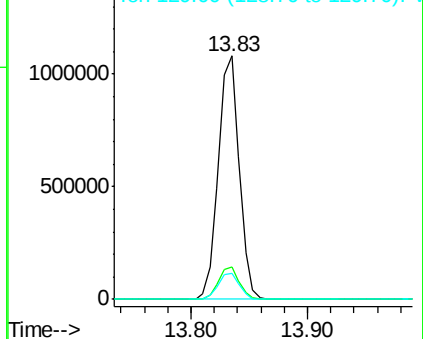
129 11.0 8.9 13.3

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 97.353 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

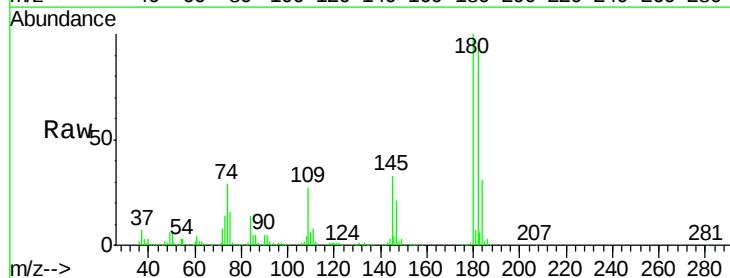
Tgt Ion:180 Resp: 390626

Ion Ratio Lower Upper

180 100

182 95.7 0.0 193.0

145 32.4 0.0 63.0



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

