

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032719\
 Data File : VX008475.D
 Acq On : 27 Mar 2019 11:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/28/2019 9:37:20 AM

Quant Time: Mar 27 12:01:06 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	34740	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	210067	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	193082	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	87983	37.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	123.53%
60) 4-Bromofluorobenzene	11.13	95	102256	32.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	108.47%
63) Toluene-d8	8.71	98	266094	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	344058	184.582	ug/l 99
3) Chloromethane	1.32	50	454055	238.244	ug/l 97
4) Vinyl Chloride	1.40	62	453937	211.327	ug/l 98
5) Bromomethane	1.64	94	255415	65.593	ug/l 99
6) Chloroethane	1.70	64	259669	170.095	ug/l 95
7) Trichlorofluoromethane	1.92	101	493532	144.331	ug/l 98
8) Diethyl Ether	2.18	74	232623	175.410	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	2.37	101	307517	162.613	ug/l 93
10) 1,1-Dichloroethene	2.37	96	319920	171.387	ug/l 87
11) Methyl Iodide	2.51	142	381811	135.310	ug/l 96
12) Methyl Acetate	3.20	43	259169	127.238	ug/l 91
13) Acrolein	2.29	56	377858	1184.166	ug/l 98
14) Acrylonitrile	3.15	53	1211961	1198.959	ug/l 99
15) Acetone	2.45	58	349643	882.069	ug/l 91
16) Carbon Disulfide	2.56	76	1014539	196.018	ug/l 98
17) Allyl chloride	2.72	41	736655	267.441	ug/l 88
18) Methylene Chloride	2.85	84	375429	186.834	ug/l 88
19) trans-1,2-Dichloroethene	3.16	96	341991	172.592	ug/l 87
20) Diisopropyl ether	3.86	45	1403954	243.767	ug/l # 93
21) 1,1-Dichloroethane	3.70	63	700915	206.063	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	395867	173.215	ug/l # 80
23) tert-Butyl Alcohol	3.07	59	494736	1205.592	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	1181343	196.989	ug/l 99
25) Chloroform	5.21	83	632280	175.233	ug/l 98
26) Cyclohexane	5.58	56	674432	224.199	ug/l # 84
29) 1,1-Dichloropropene	5.80	75	506800	169.862	ug/l 93
30) 2-Butanone	4.68	43	1843244	1072.587	ug/l 94
31) 2,2-Dichloropropane	4.58	77	516873	184.002	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	528589	150.572	ug/l 95
33) Carbon Tetrachloride	5.78	117	447773	138.885	ug/l 96
34) Benzene	6.14	78	1525959	171.699	ug/l # 96
35) Methacrylonitrile	5.04	41	381901	238.575	ug/l 91
36) 1,2-Dichloroethane	6.19	62	538113	164.271	ug/l 97
37) Trichloroethene	7.21	130	358415	137.163	ug/l 85
38) Methylcyclohexane	7.46	83	629622	168.378	ug/l 89
39) 1,2-Dichloropropane	7.51	63	429810	190.062	ug/l 100
40) Dibromomethane	7.66	93	252413	152.184	ug/l 89

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

41) Bromodichloromethane	7.90	83	515250	163.715	ug/l	99
42) Vinyl Acetate	3.82	43	6291030	1089.150	ug/l #	94
43) Ethyl Acetate	4.84	43	678490	223.671	ug/l #	83
44) Isopropyl Acetate	6.45	43	1128951	236.486	ug/l	98
45) 1,4-Dioxane	7.74	88	207048	3448.267	ug/l #	83
46) Methyl methacrylate	7.77	41	575021	245.483	ug/l	86
47) n-amyl Acetate	10.90	43	1057626	258.406	ug/l	92
48) t-1,3-Dichloropropene	9.04	75	626942	198.963	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	667919	189.958	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	383339	160.881	ug/l	98
51) Ethyl methacrylate	9.18	69	746528	214.603	ug/l	91
52) 1,3-Dichloropropane	9.37	76	675818	176.852	ug/l	99
53) Dibromochloromethane	9.59	129	397798	148.103	ug/l	99
54) 1,2-Dibromoethane	9.67	107	400377	153.151	ug/l	97
55) 2-Chloroethyl vinyl ether	8.32	63	1891618	1080.832	ug/l	95
56) Bromoform	10.86	173	304418	143.558	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	3656961	1124.898	ug/l	96
59) 2-Hexanone	9.49	43	2823425	1097.923	ug/l	98
61) Tetrachloroethene	9.34	164	291585	112.187	ug/l	97
62) Toluene	8.79	91	1620045	158.071	ug/l	99
64) Chlorobenzene	10.14	112	984309	148.973	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	357109	141.513	ug/l	98
66) Ethyl Benzene	10.25	91	1846890	166.629	ug/l	96
67) m/p-Xylenes	10.36	106	1362470	309.284	ug/l	92
68) o-Xylene	10.70	106	663631	156.819	ug/l	91
69) Styrene	10.71	104	1194206	167.151	ug/l	96
70) Isopropylbenzene	11.02	105	1740049	156.281	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	652943	171.978	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	536288m	175.352	ug/l	
73) Bromobenzene	11.26	156	427433	138.752	ug/l	77
74) n-propylbenzene	11.36	91	2118064	170.666	ug/l	95
75) 2-Chlorotoluene	11.42	91	1244561	167.921	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	1523240	160.145	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	247684	228.605	ug/l	88
78) 4-Chlorotoluene	11.51	91	1468057	168.301	ug/l	91
79) tert-butylbenzene	12.06	119	1551783	155.097	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	1506860	159.428	ug/l	96
81) sec-Butylbenzene	11.94	105	1727339	159.215	ug/l	96
82) p-Isopropyltoluene	12.06	119	1551783	155.097	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	757528	141.678	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	758150	142.387	ug/l	96
85) n-Butylbenzene	12.38	91	1540710	179.021	ug/l	97
86) Hexachloroethane	12.60	117	281491	163.242	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	752713	142.748	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	149210	171.678	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.65	180	532422	142.665	ug/l	98
90) Hexachlorobutadiene	13.78	225	250363	133.264	ug/l	98
91) Naphthalene	13.83	128	1765776	157.536	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	522471	138.482	ug/l	99

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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

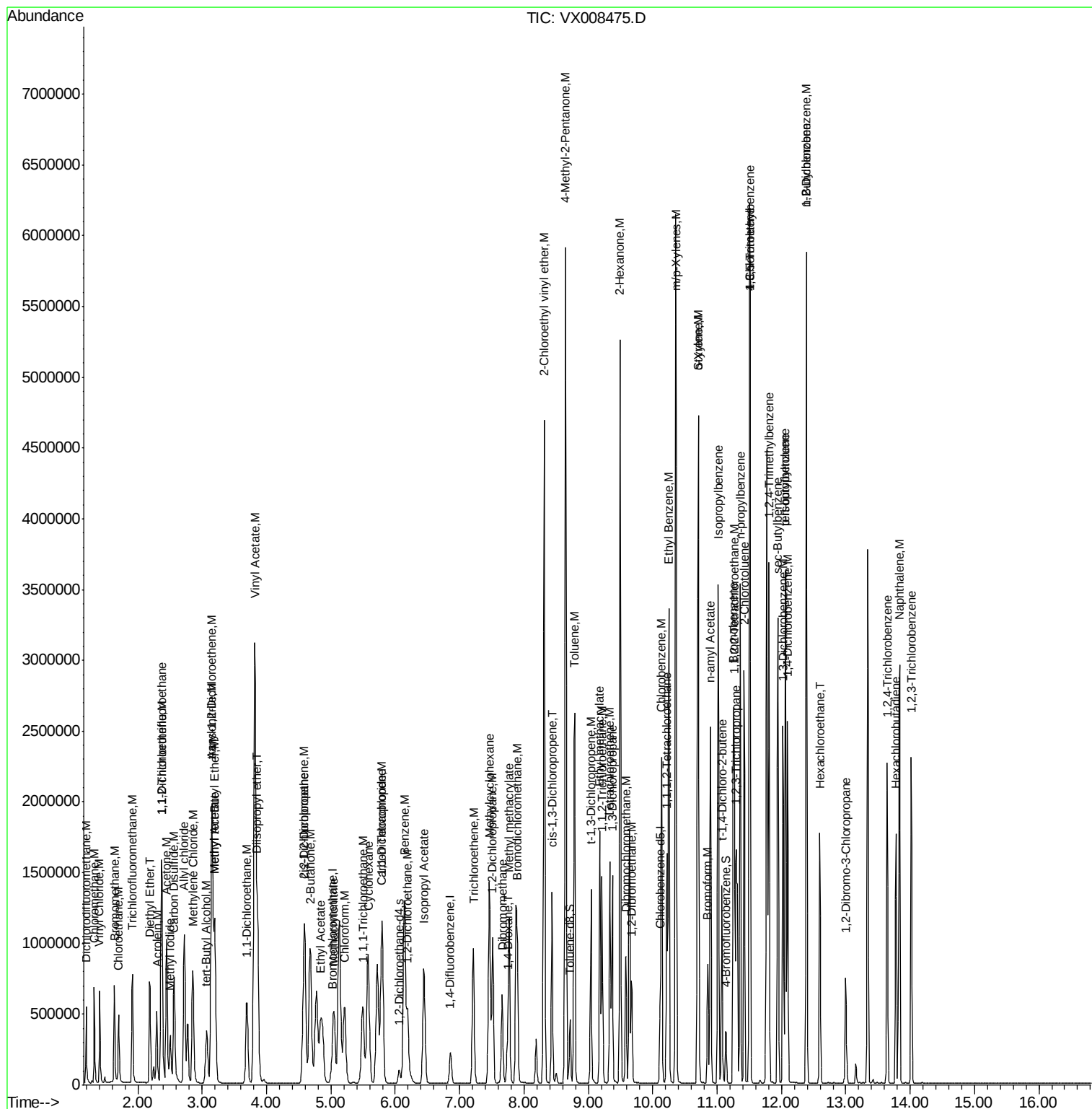
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Data File : VX008475.D
Acq On : 27 Mar 2019 11:40
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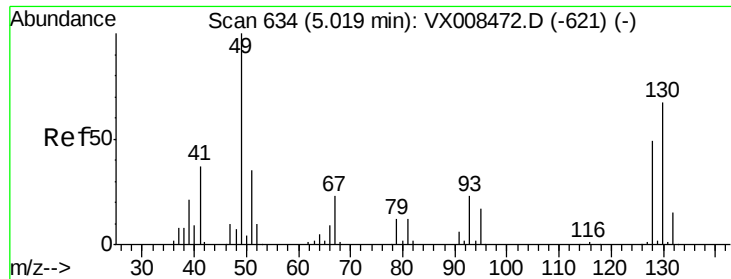
Instrument :
MSVOA_X
ClientSampleID :
VSTDICC150

Manual Integrations
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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: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

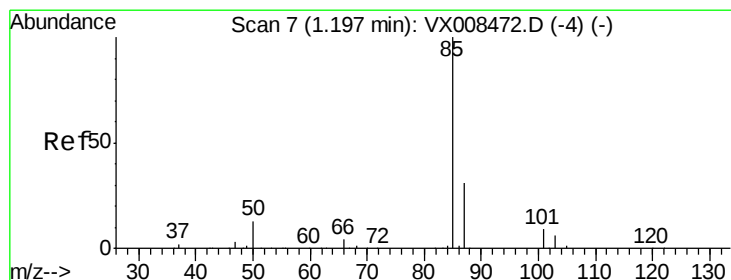
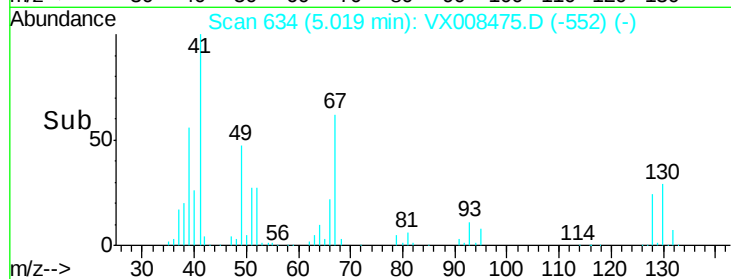
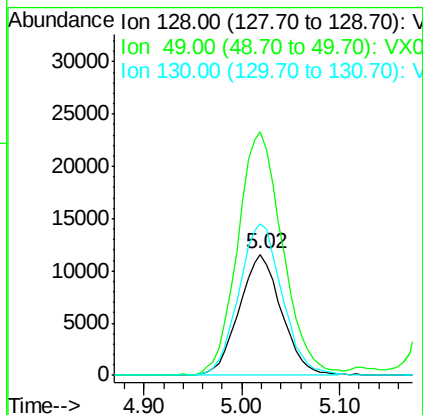
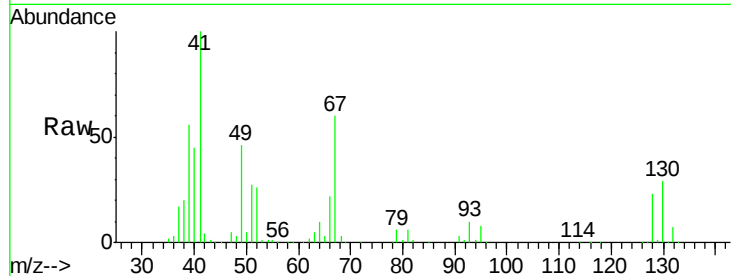
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	212.2	0.0	350.8
130	128.0	0.0	325.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 184.582 ug/l

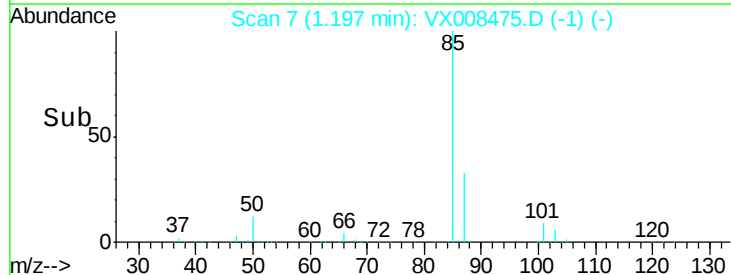
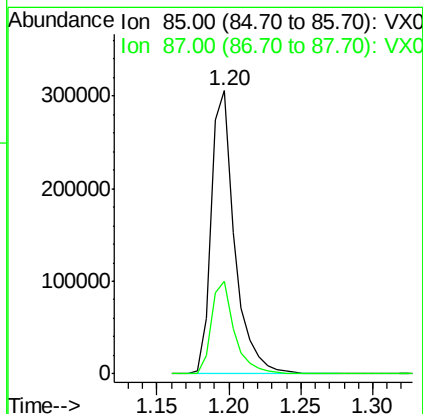
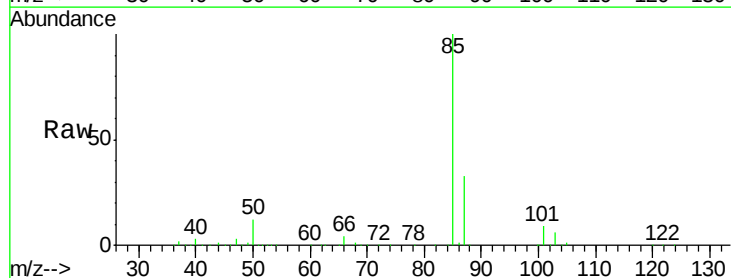
RT: 1.20 min Scan# 7

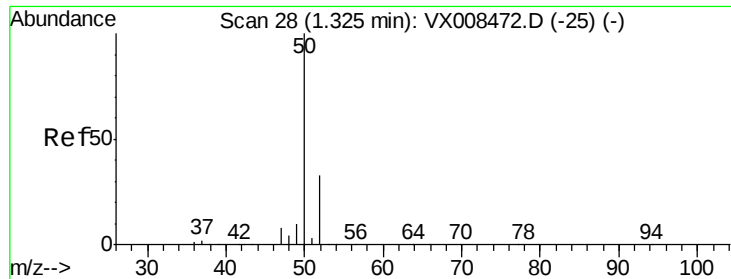
Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.6	49.8





#3

Chloromethane

Concen: 238.244 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 454055

Ion Ratio Lower Upper

50 100

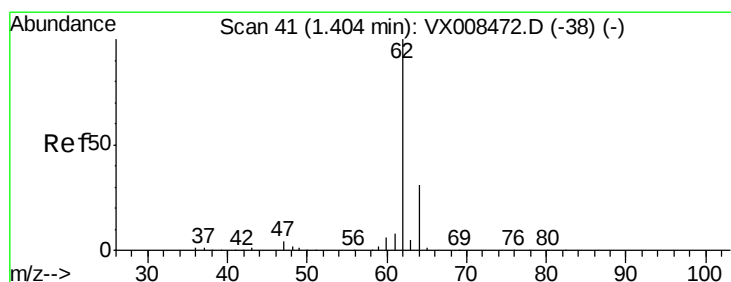
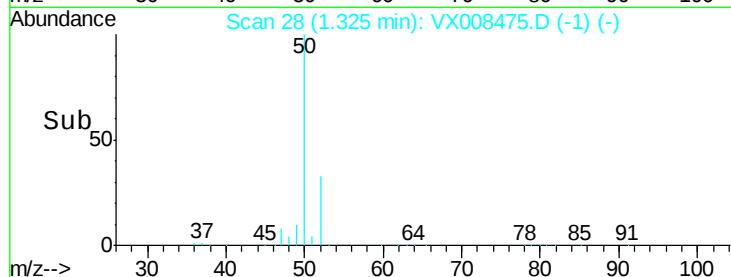
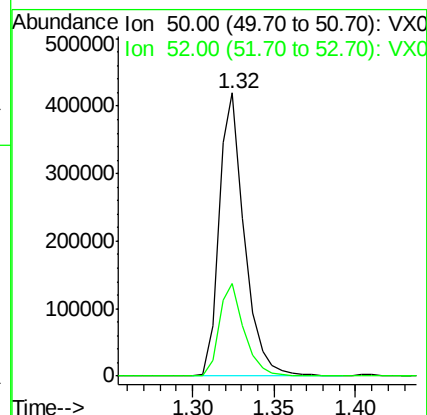
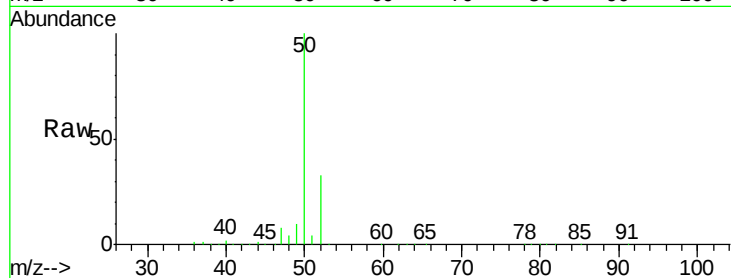
52 32.7 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 211.327 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008475.D

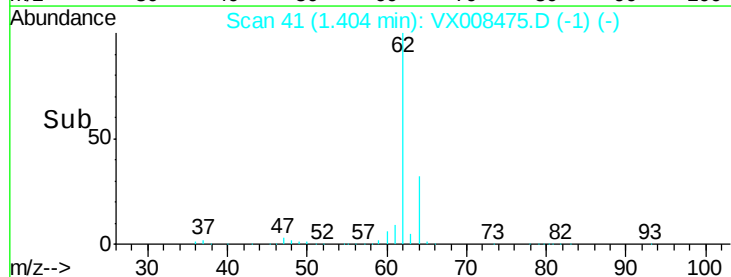
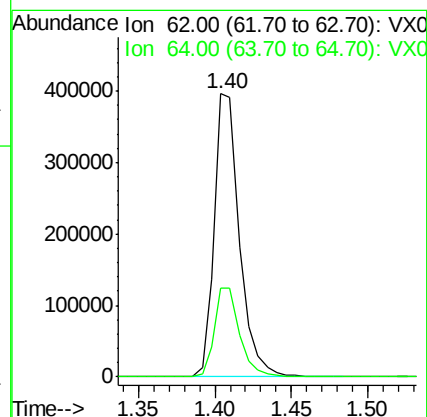
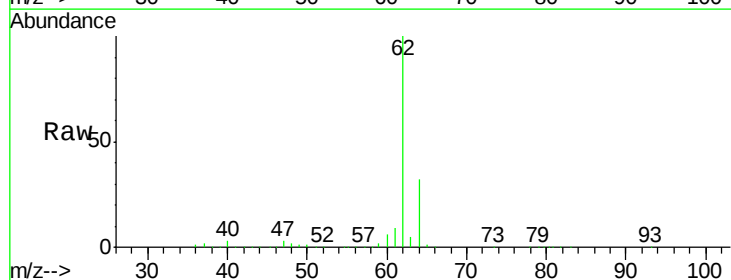
Acq: 27 Mar 2019 11:40

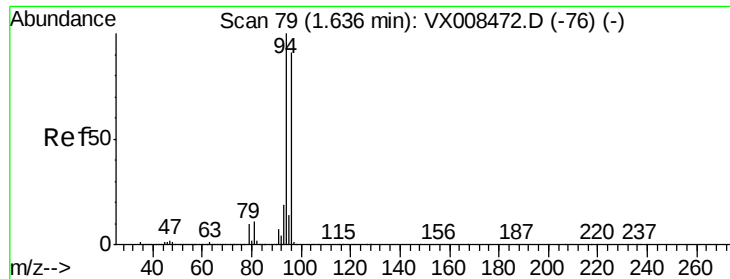
Tgt Ion: 62 Resp: 453937

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 65.593 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 255415

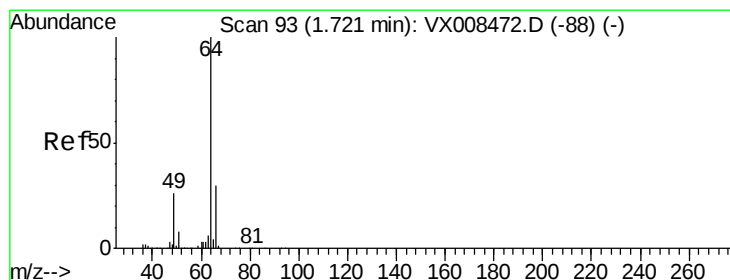
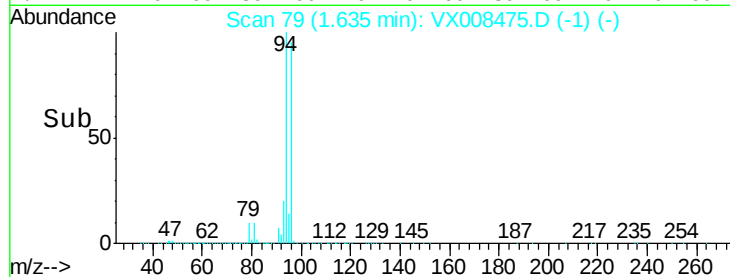
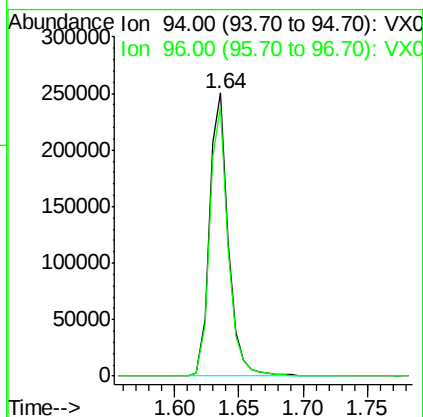
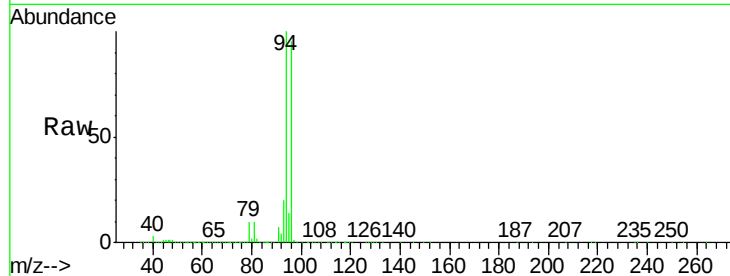
Ion Ratio Lower Upper

94 100

96 95.2 75.6 113.4

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#6

Chloroethane

Concen: 170.095 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008475.D

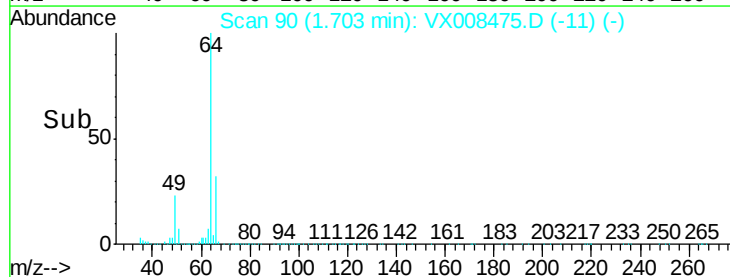
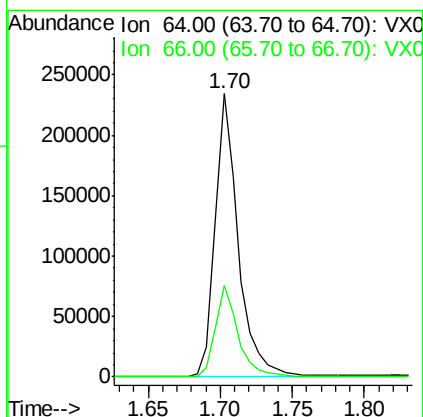
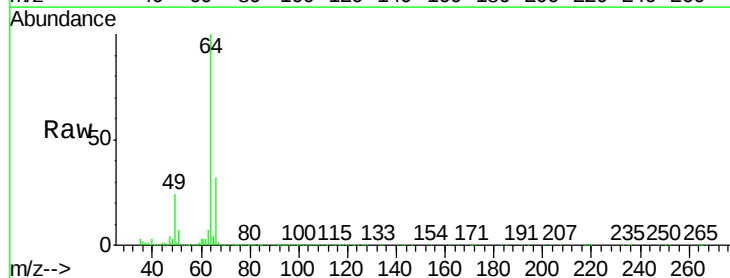
Acq: 27 Mar 2019 11:40

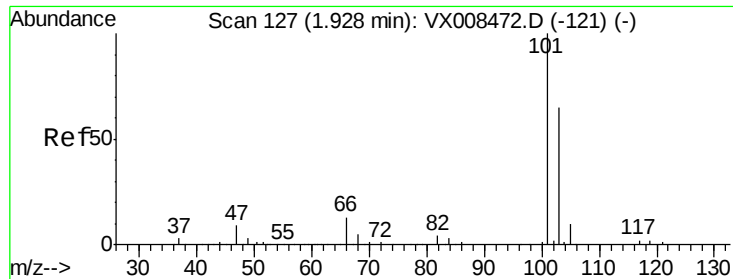
Tgt Ion: 64 Resp: 259669

Ion Ratio Lower Upper

64 100

66 32.3 23.9 35.9





#7

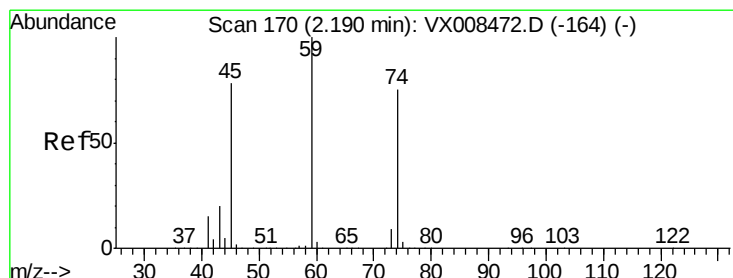
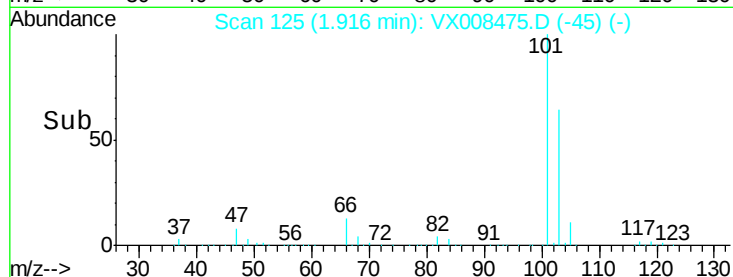
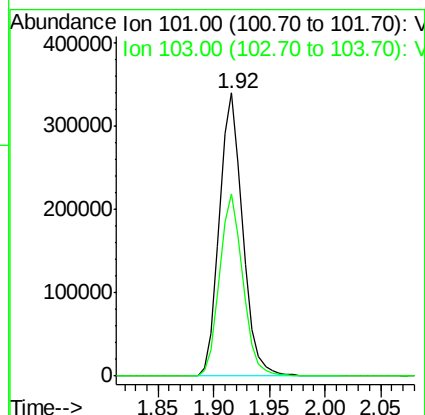
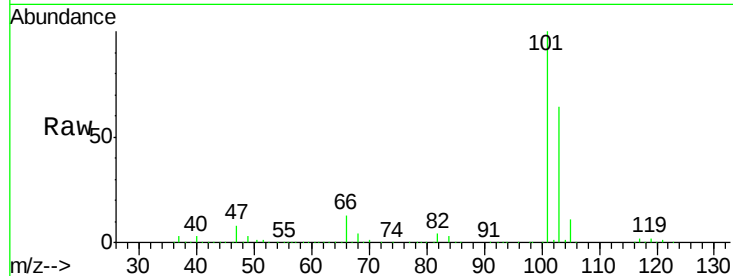
Trichlorofluoromethane
 Concen: 144.331 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 493532
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.4 75.6

Manual Integrations
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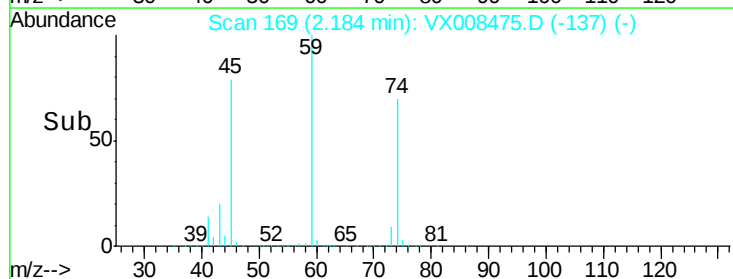
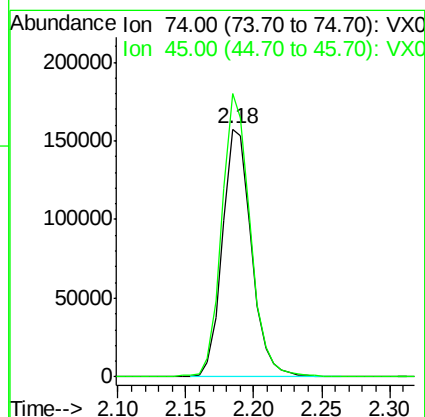
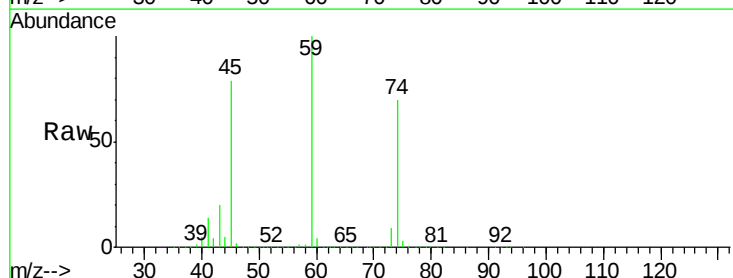
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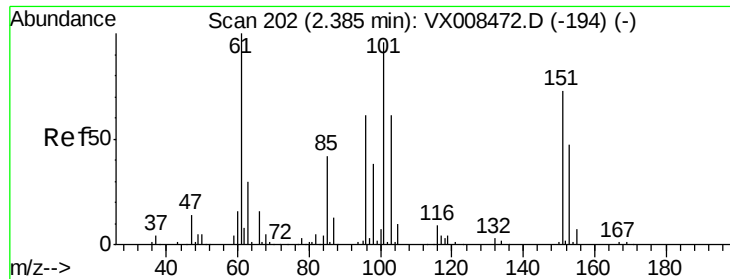


#8

Diethyl Ether
 Concen: 175.410 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion: 74 Resp: 232623
 Ion Ratio Lower Upper
 74 100
 45 112.5 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 162.613 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

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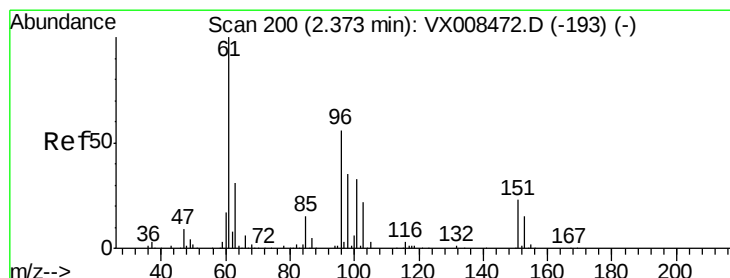
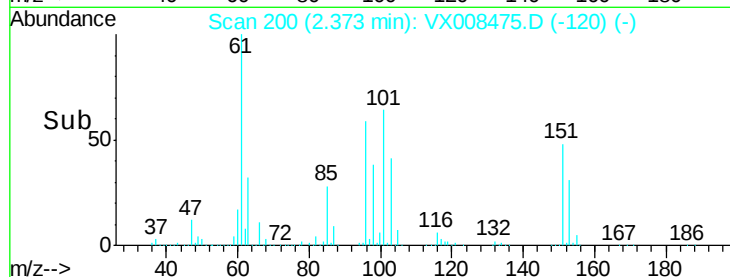
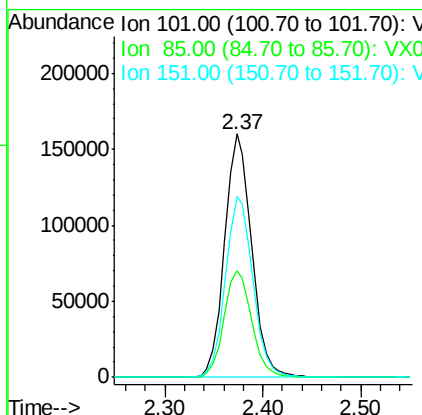
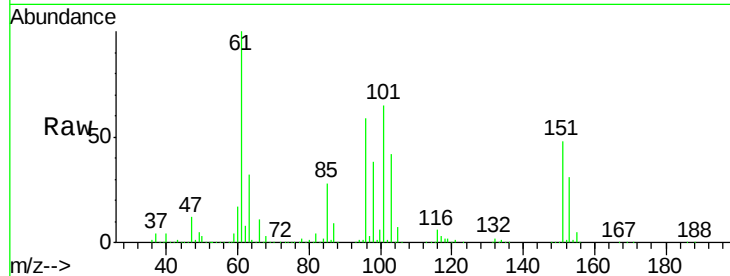
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	307517
Ion Ratio	Lower	Upper	
101	100		
85	44.6	0.0	86.8
151	75.2	0.0	169.2

Manual Integrations
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MMDadoda
3/28/2019 9:37:20 AM



#10

1,1-Dichloroethene

Concen: 171.387 ug/l

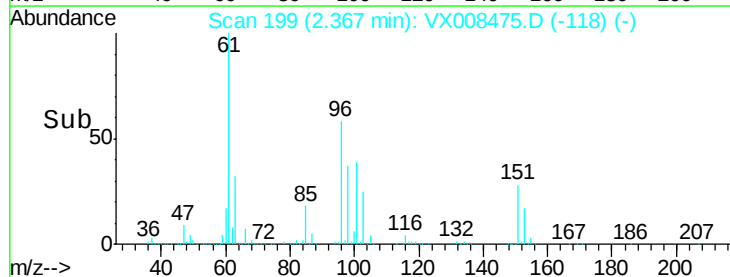
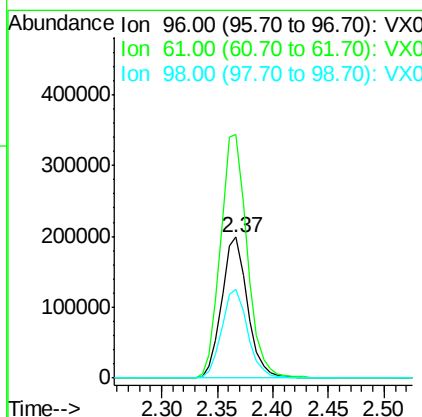
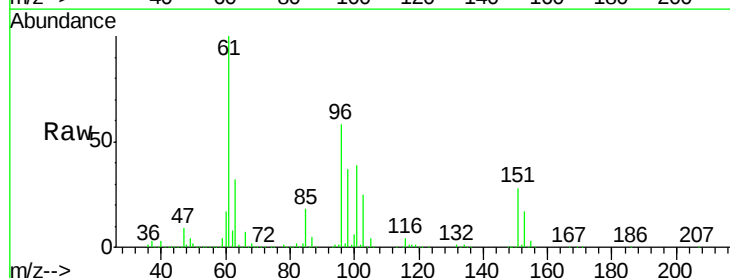
RT: 2.37 min Scan# 199

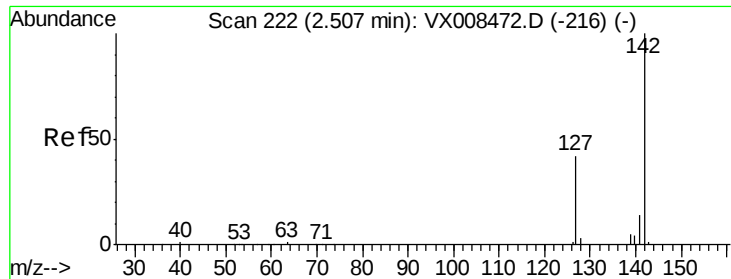
Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Tgt Ion:	96	Resp:	319920
Ion Ratio	Lower	Upper	
96	100		
61	172.8	120.2	180.2
98	63.4	49.0	73.4





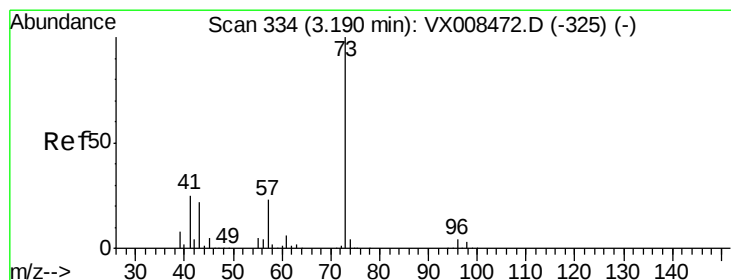
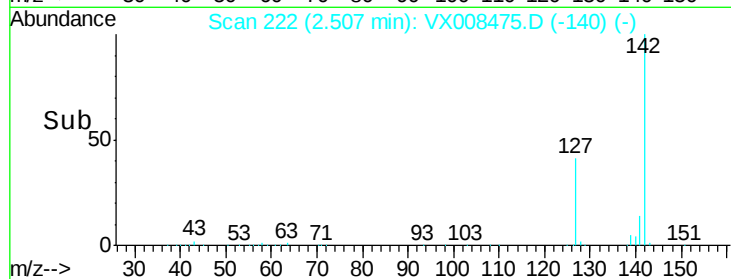
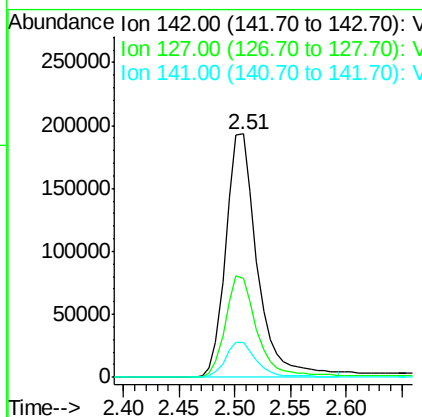
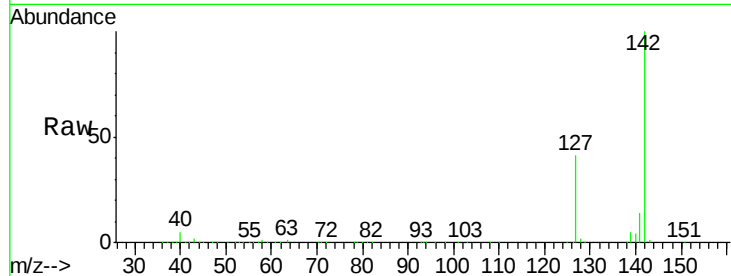
#11
Methvl Iodide
Concen: 135.310 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	22.1	66.5
141	14.2	7.4	22.3

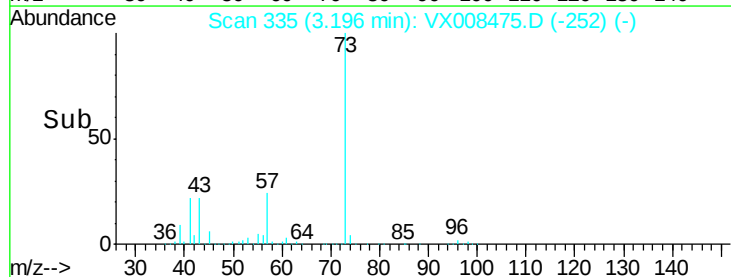
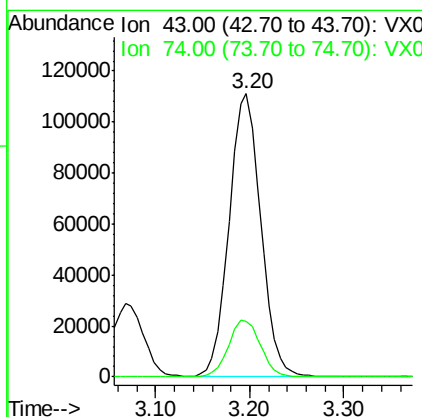
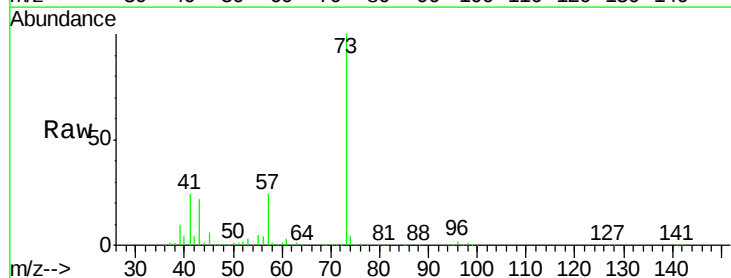
Manual Integrations
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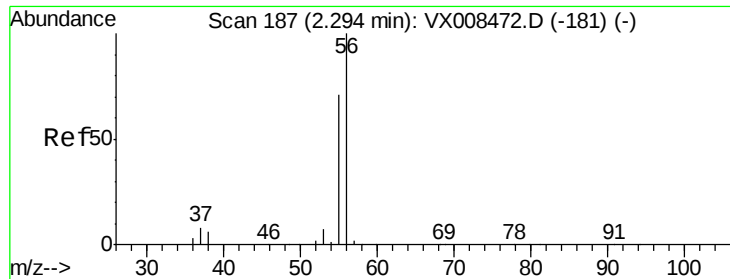
MMDadoda
3/28/2019 9:37:20 AM



#12
Methyl Acetate
Concen: 127.238 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	19.4	29.0





#13

Acrolein

Concen: 1184.166 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 377858

Ion Ratio Lower Upper

56 100

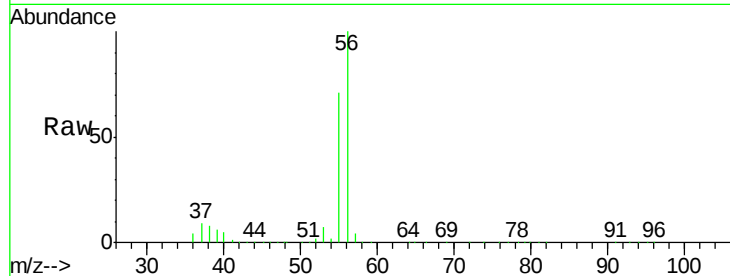
55 71.4 58.6 87.8

Manual Integrations

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3/28/2019 9:37:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

250000

200000

150000

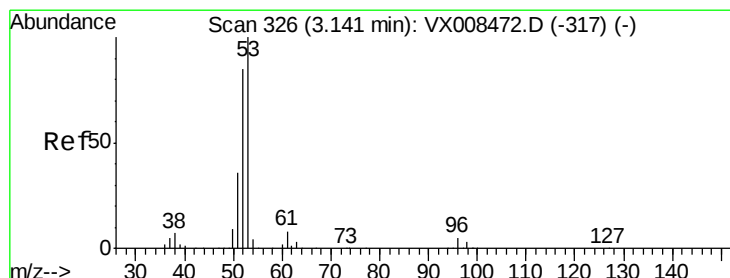
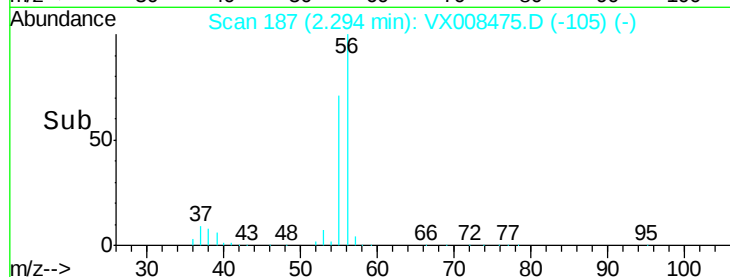
100000

50000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Acrylonitrile

Concen: 1198.959 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

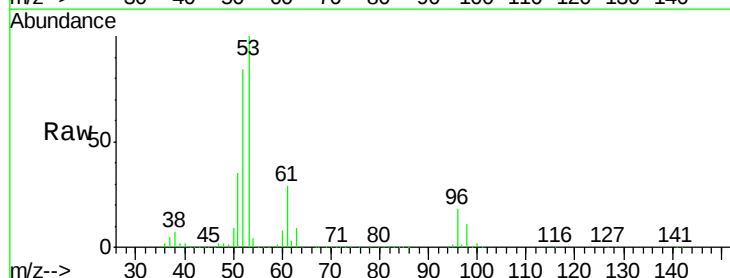
Tgt Ion: 53 Resp: 1211961

Ion Ratio Lower Upper

53 100

52 84.1 41.3 124.1

51 35.4 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

600000

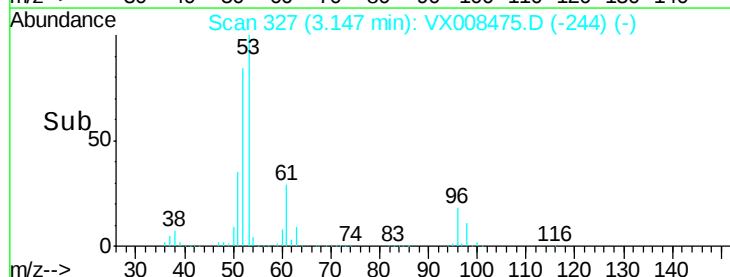
400000

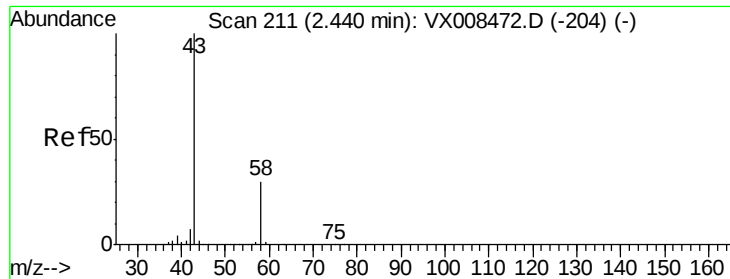
200000

0

Time-->

3.10 3.15 3.20 3.30





#15

Acetone

Concen: 882.069 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 349643

Ion Ratio Lower Upper

58 100

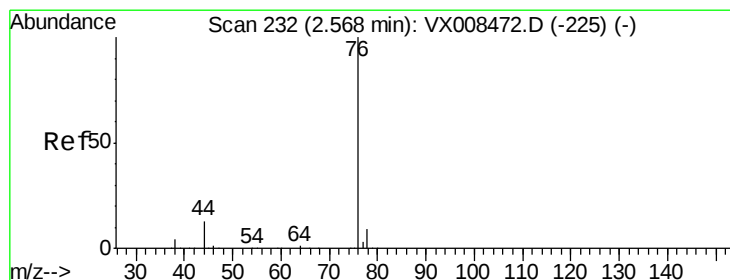
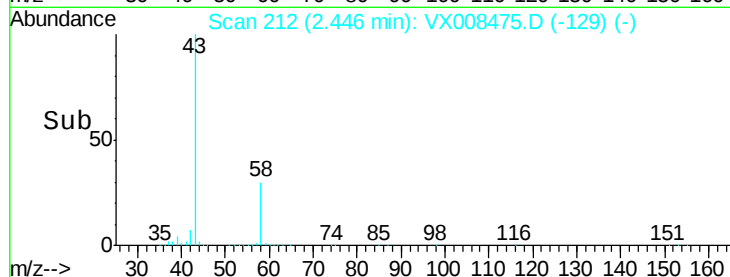
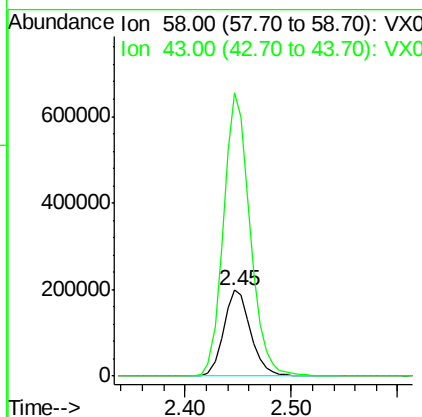
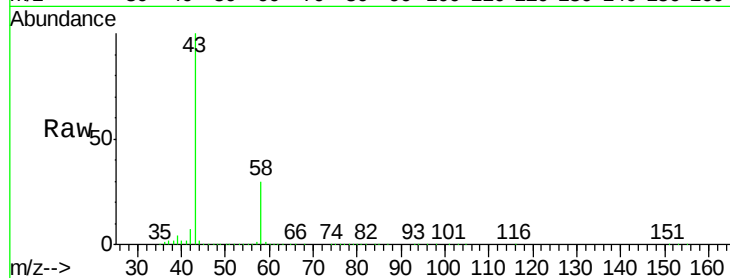
43 329.8 249.8 374.6

Manual Integrations

APPROVED

MMDadoda

3/28/2019 9:37:20 AM



#16

Carbon Disulfide

Concen: 196.018 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008475.D

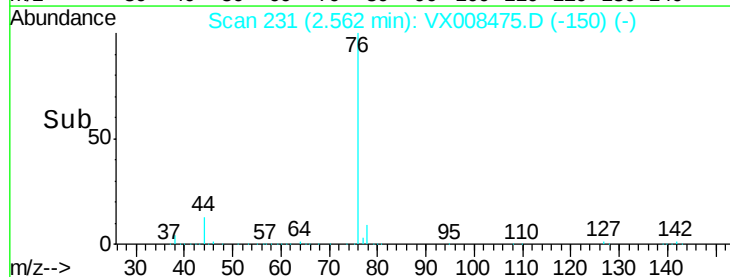
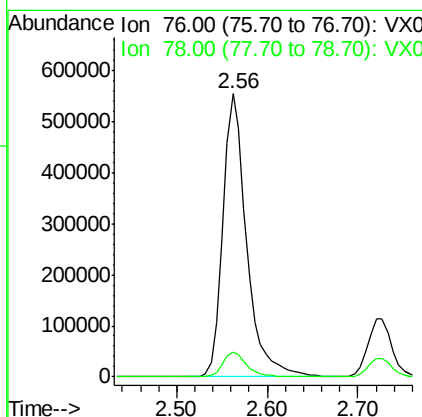
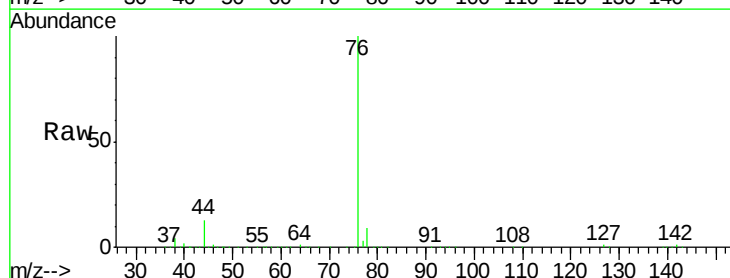
Acq: 27 Mar 2019 11:40

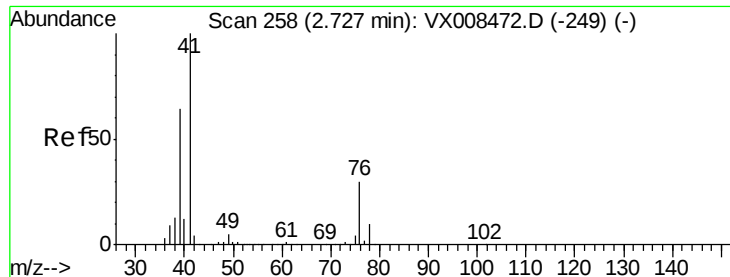
Tgt Ion: 76 Resp: 1014539

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3





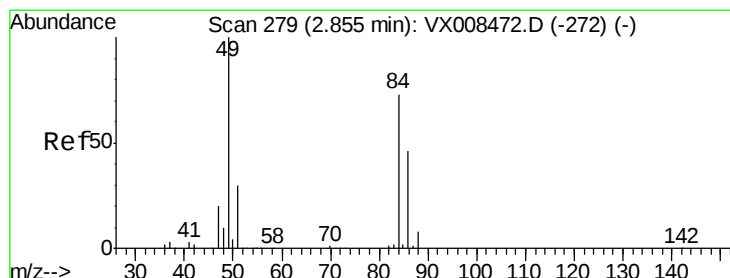
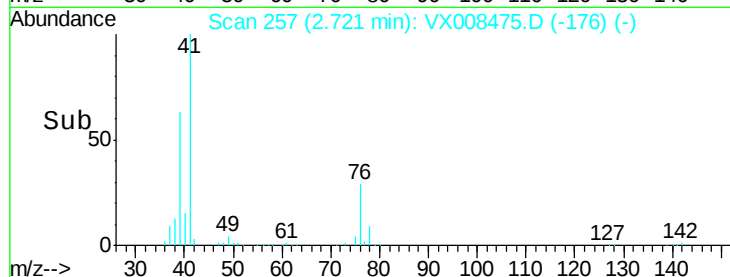
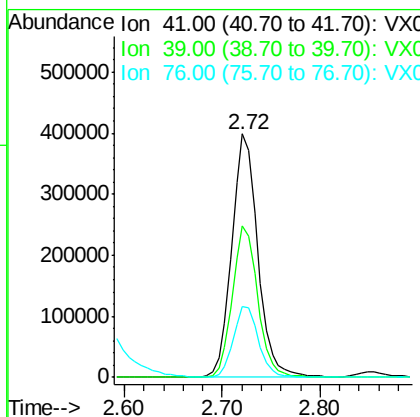
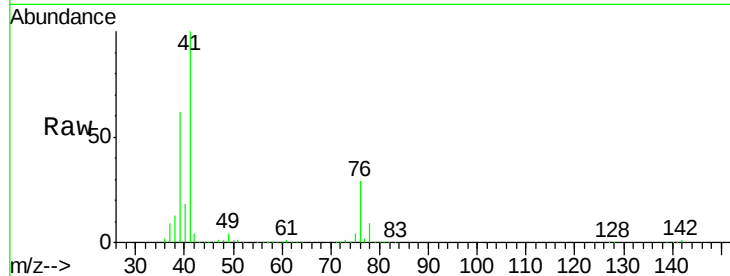
#17
Allvl chloride
Concen: 267.441 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.4	35.8	107.4
76	28.8	18.3	54.9

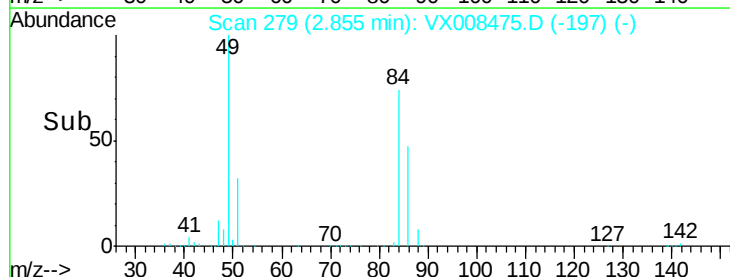
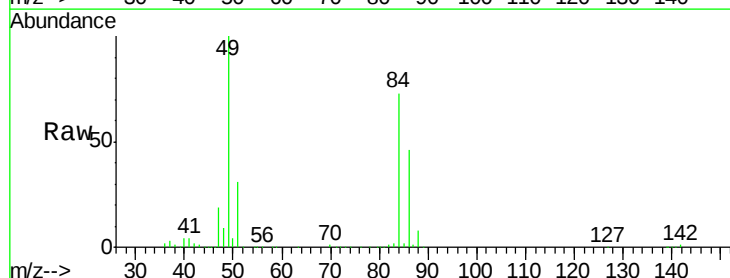
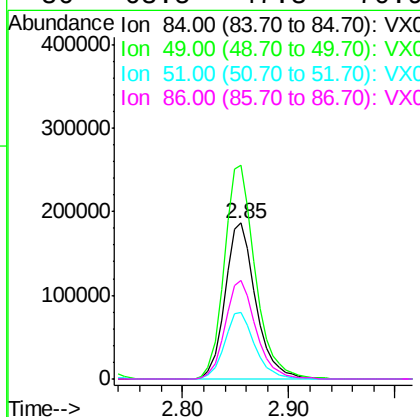
Manual Integrations
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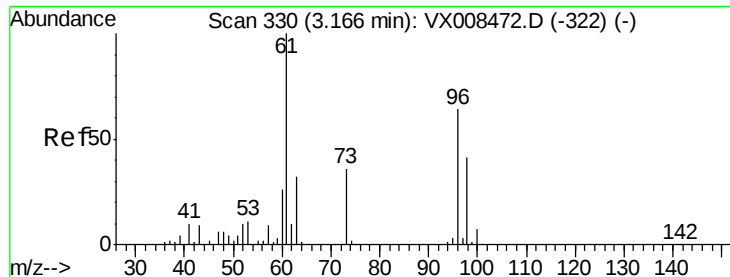
MMDadoda
3/28/2019 9:37:20 AM



#18
Methylene Chloride
Concen: 186.834 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.9	96.1	144.1
51	42.5	29.1	43.7
86	63.5	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 172.592 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 341991

Ion Ratio Lower Upper

96 100

61 160.0 109.9 164.9

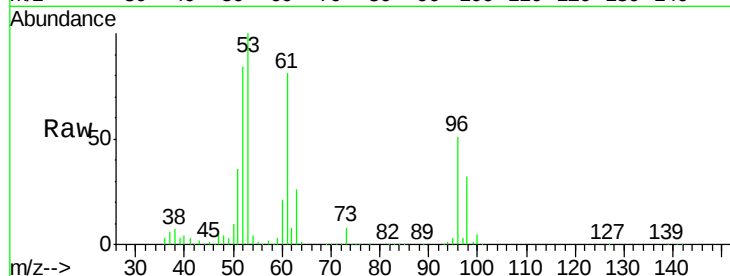
98 63.5 50.4 75.6

Manual Integrations

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MMDadoda

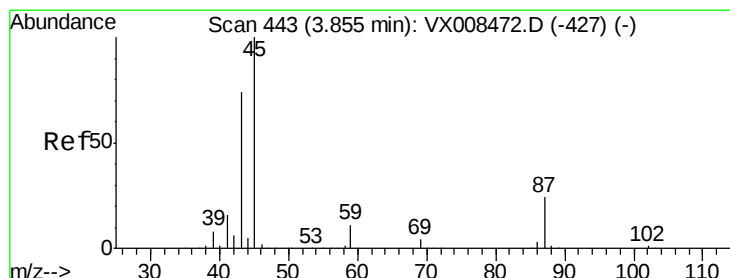
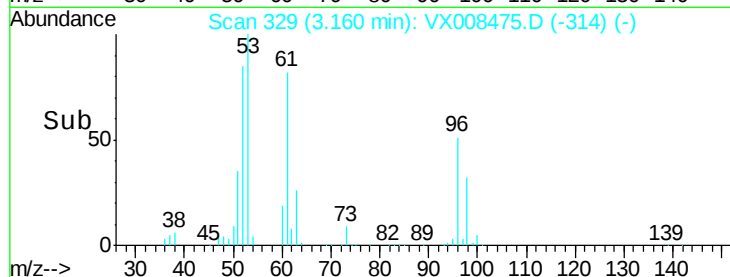
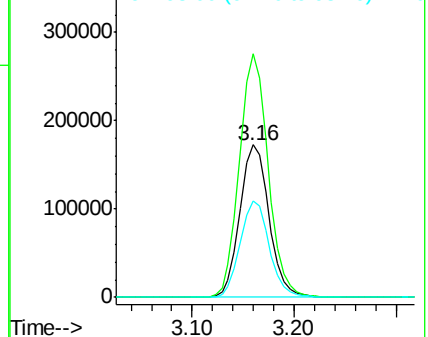
3/28/2019 9:37:20 AM



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 243.767 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Tgt Ion: 45 Resp: 1403954

Ion Ratio Lower Upper

45 100

43 59.8 50.6 76.0

87 23.3 24.5 36.7#

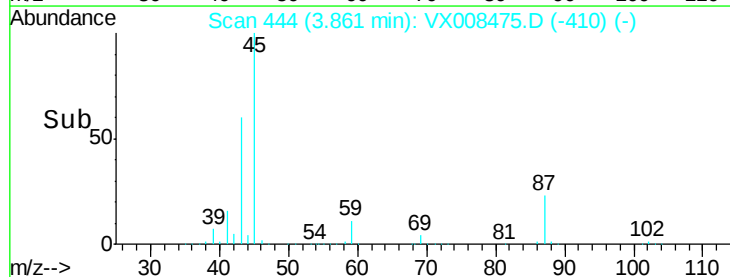
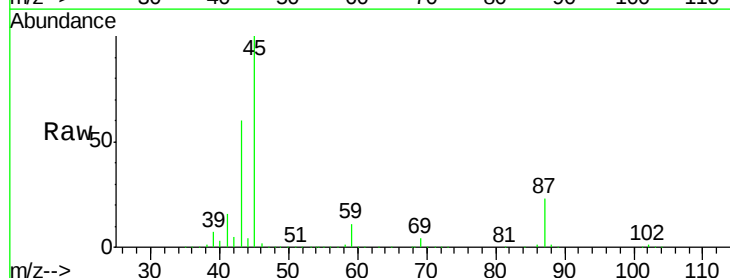
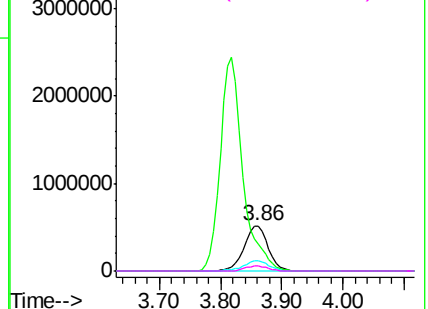
59 10.9 10.2 15.2

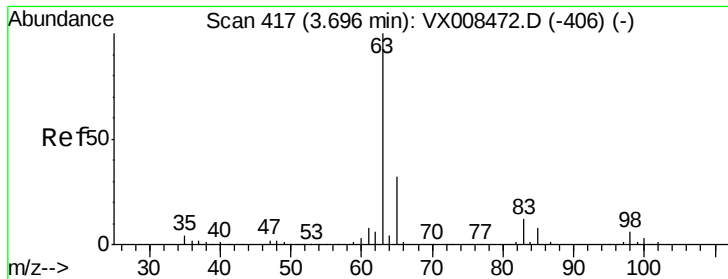
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 206.063 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

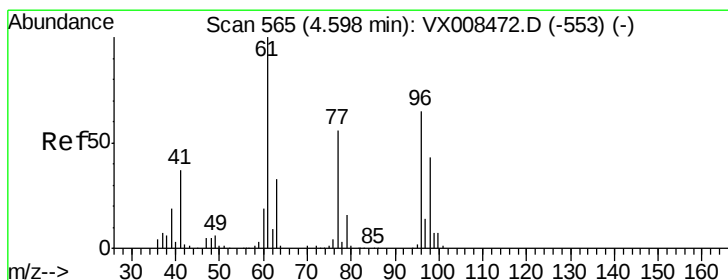
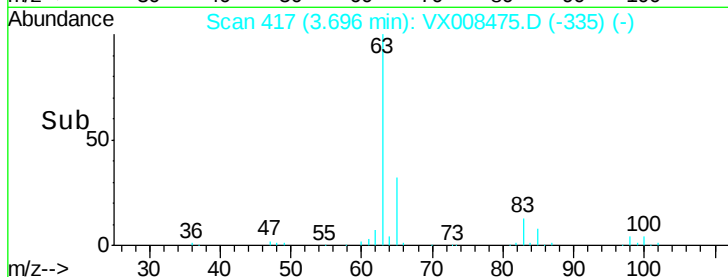
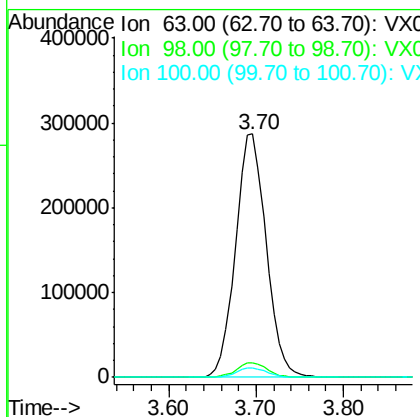
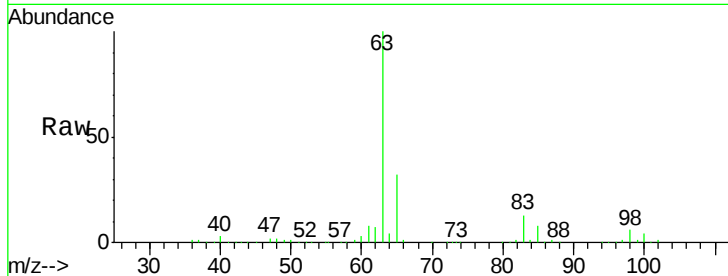
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	700915
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.8	11.4
100	3.8	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 173.215 ug/l

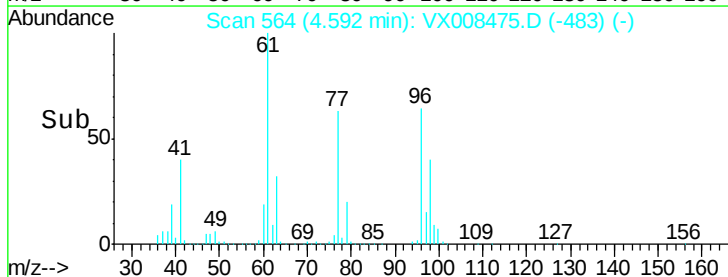
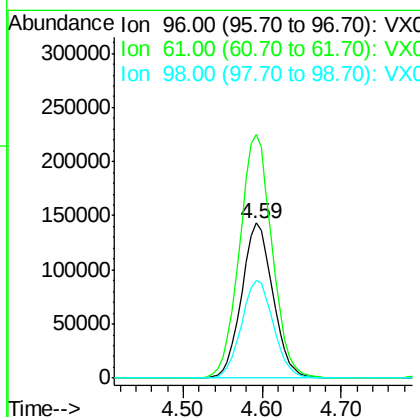
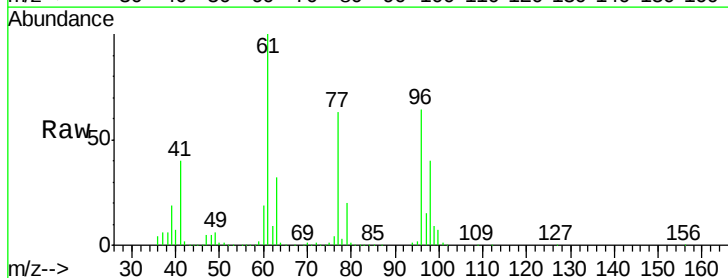
RT: 4.59 min Scan# 564

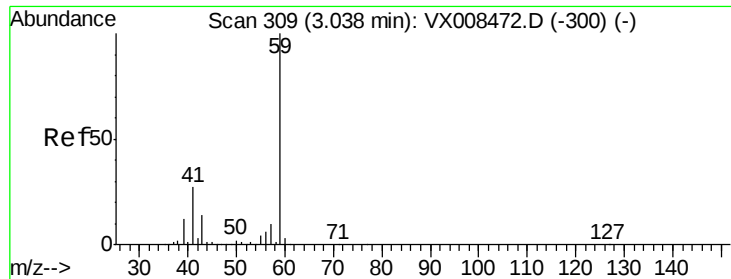
Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Tgt Ion:	96	Resp:	395867
Ion Ratio	Lower	Upper	
96	100		
61	163.1	103.5	155.3#
98	64.4	52.1	78.1





#23

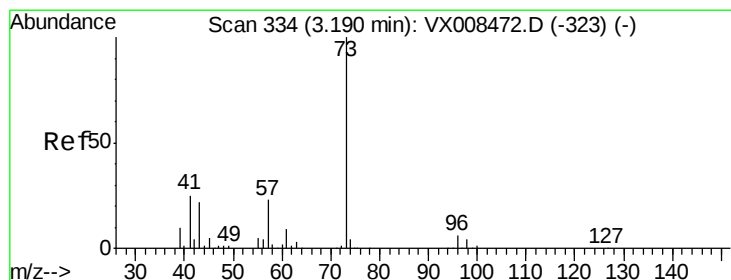
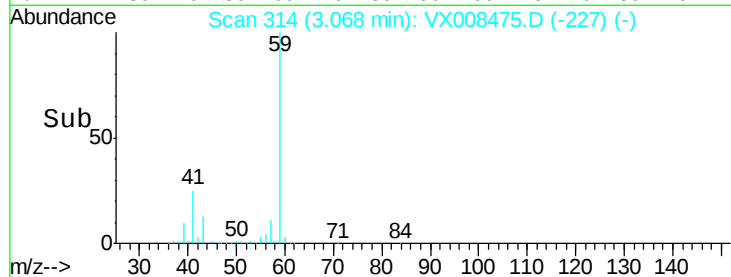
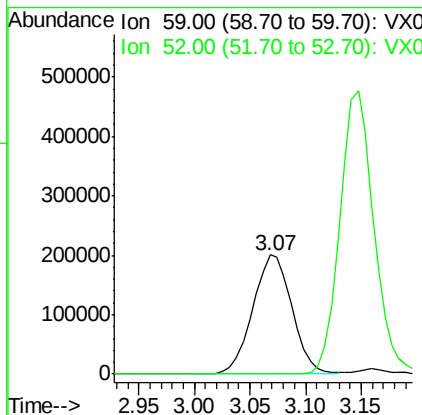
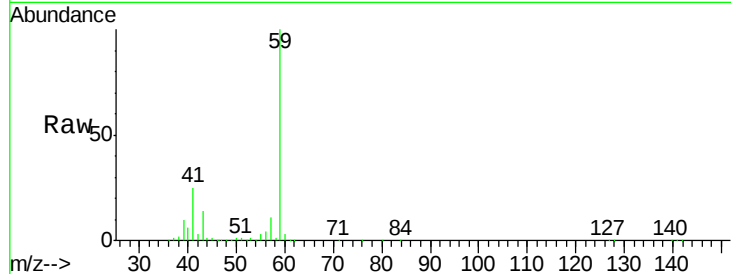
tert-Butyl Alcohol
 Concen: 1205.592 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.03 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

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

Manual Integrations
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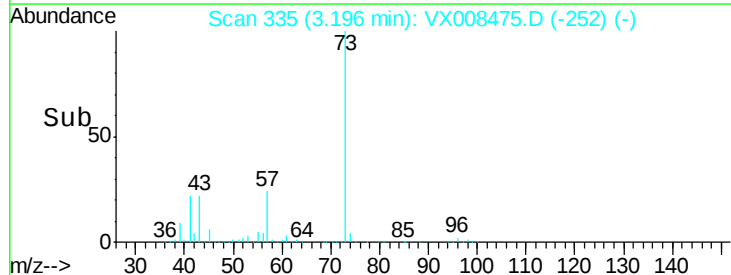
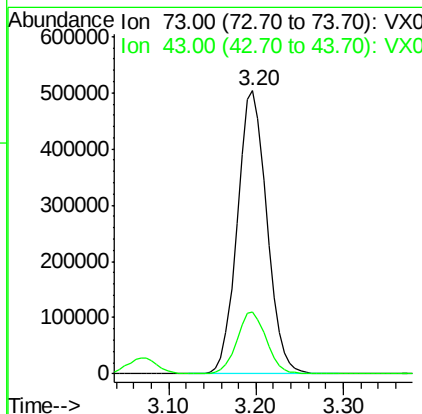
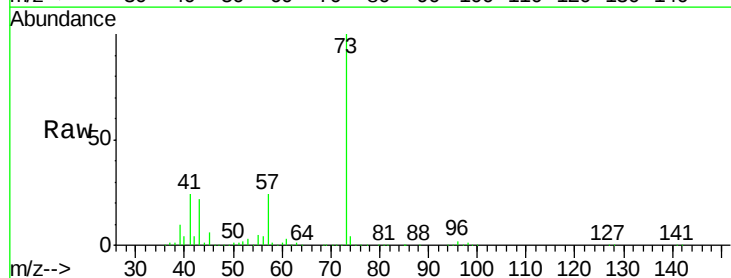
MMDadoda
 3/28/2019 9:37:20 AM

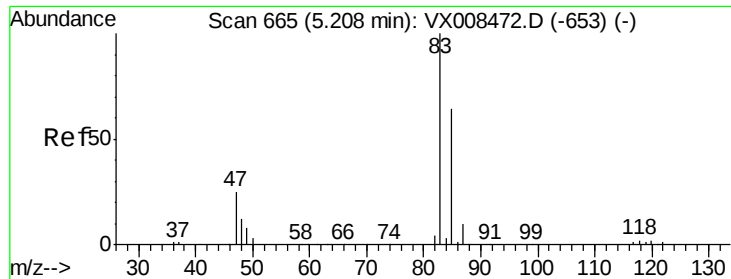


#24

Methyl tert-Butyl Ether
 Concen: 196.989 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	21.9	17.1	25.7	





#25

Chloroform

Concen: 175.233 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 632280

Ion Ratio Lower Upper

83 100

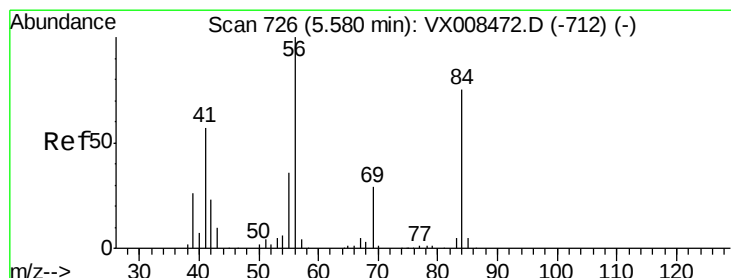
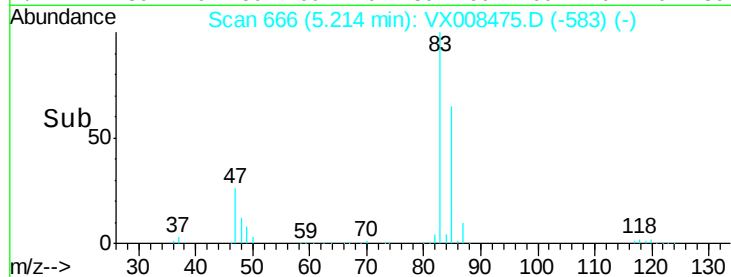
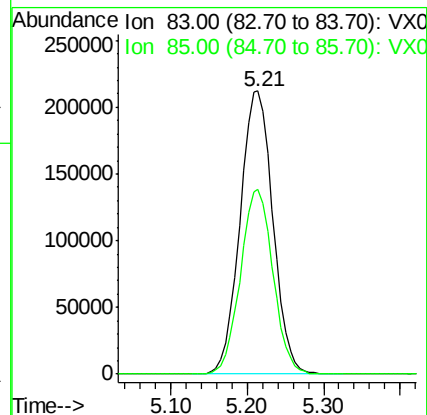
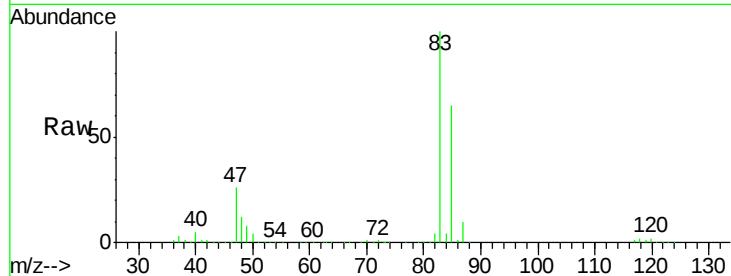
85 65.4 53.8 80.6

Manual Integrations

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#26

Cyclohexane

Concen: 224.199 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

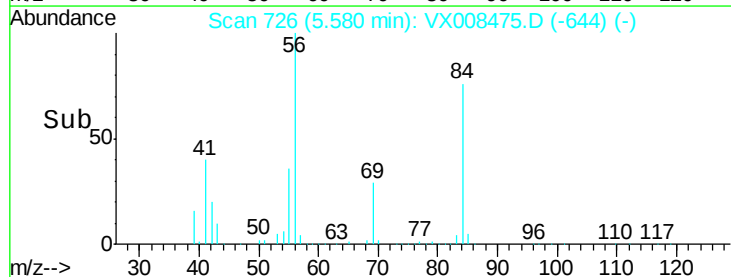
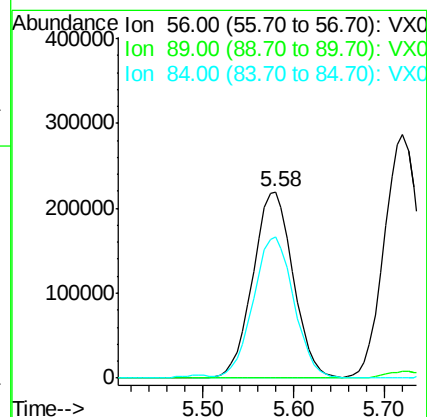
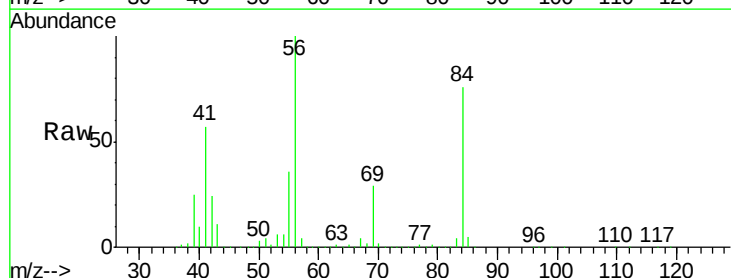
Tgt Ion: 56 Resp: 674432

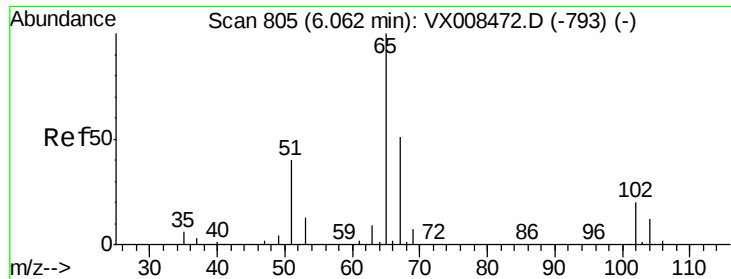
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 76.7 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 37.062 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 87983

Ion Ratio Lower Upper

65 100

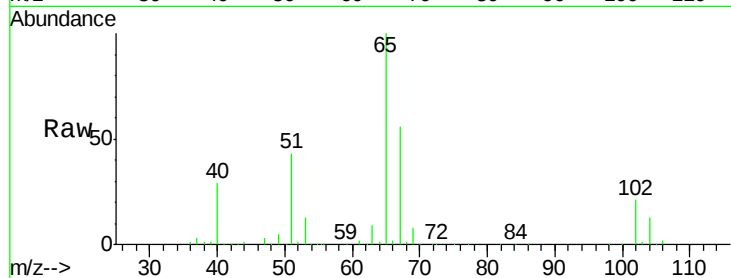
67 54.0 42.9 64.3

Manual Integrations

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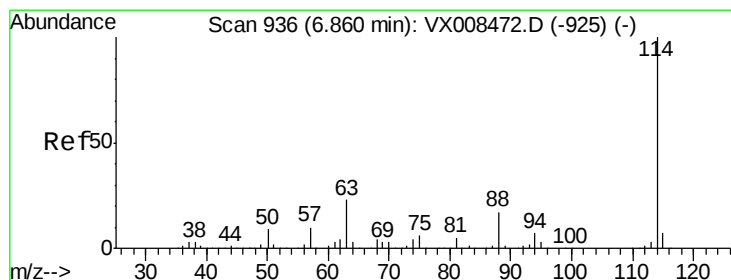
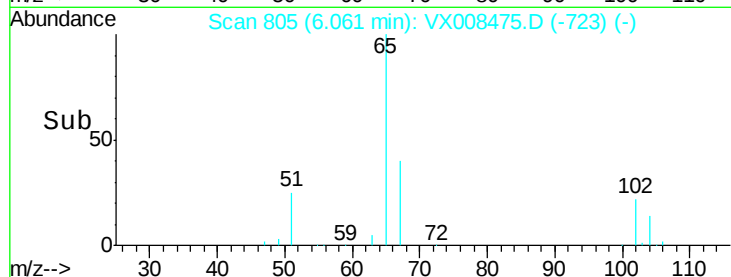
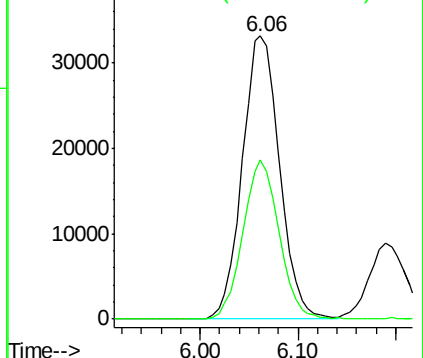
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

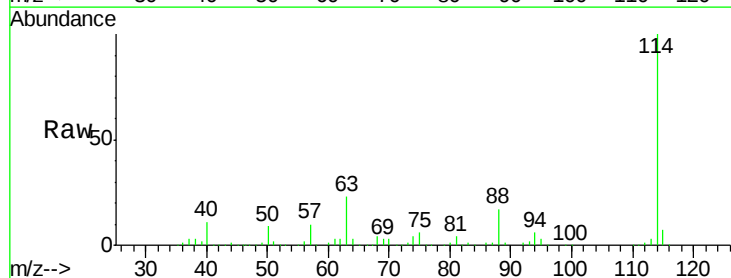
Tgt Ion: 114 Resp: 210067

Ion Ratio Lower Upper

114 100

63 23.5 14.2 21.4#

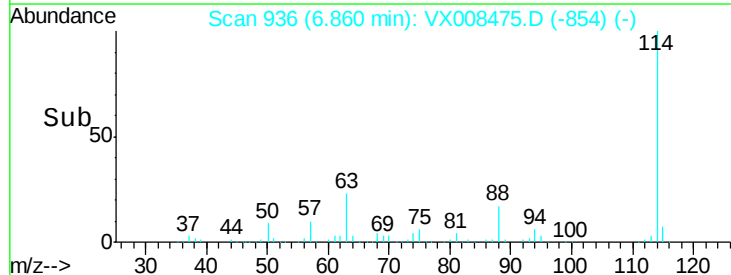
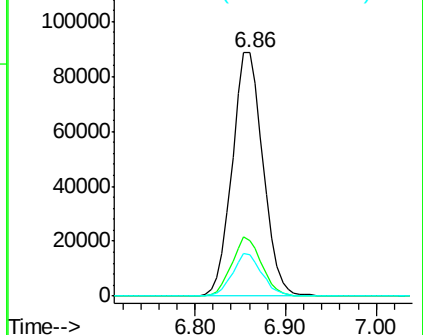
88 16.7 11.9 17.9

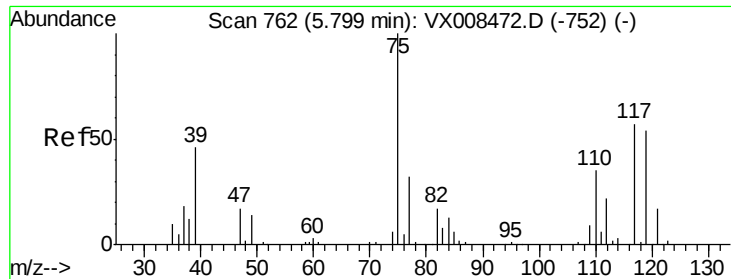


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





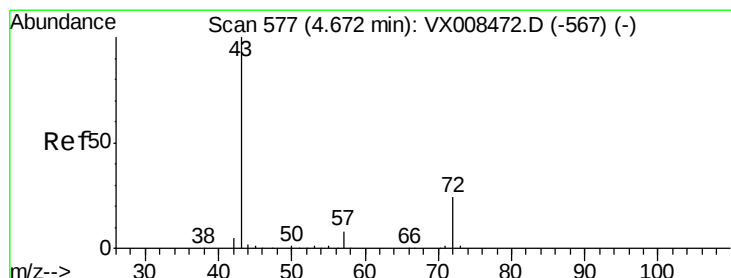
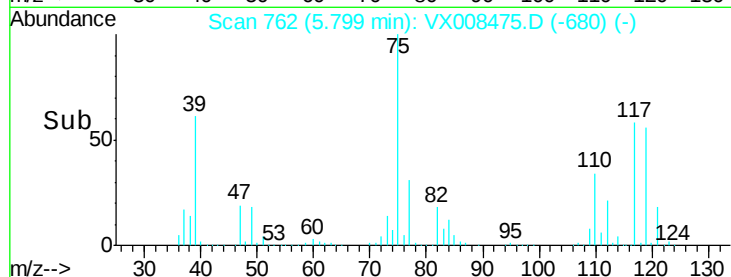
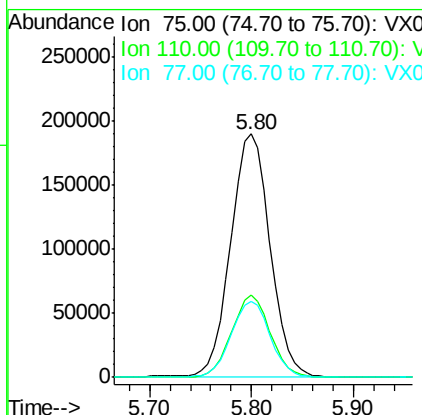
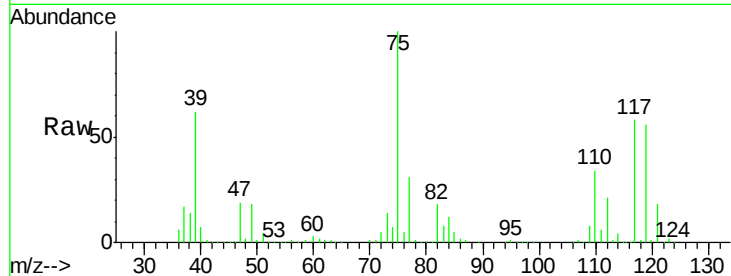
#29
 1,1-Dichloropropene
 Concen: 169.862 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.2	0.0	80.8
77	31.2	0.0	62.4

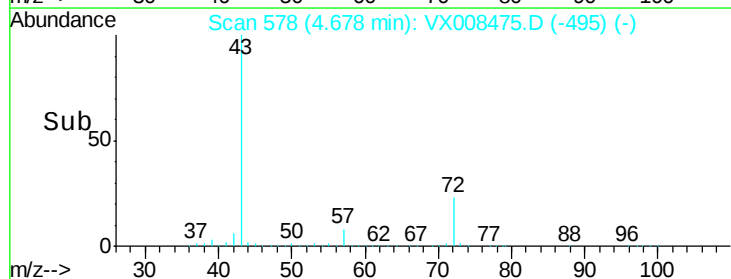
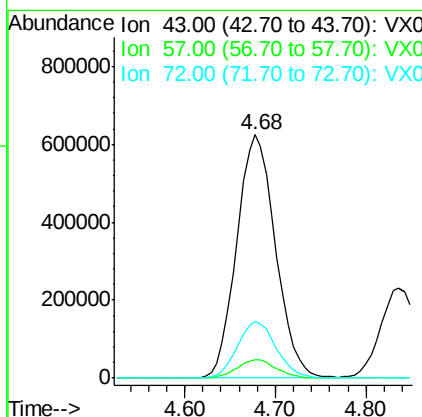
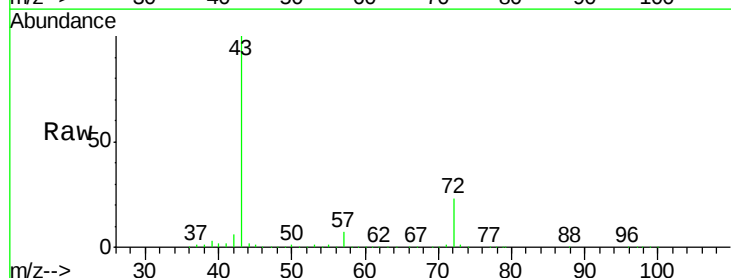
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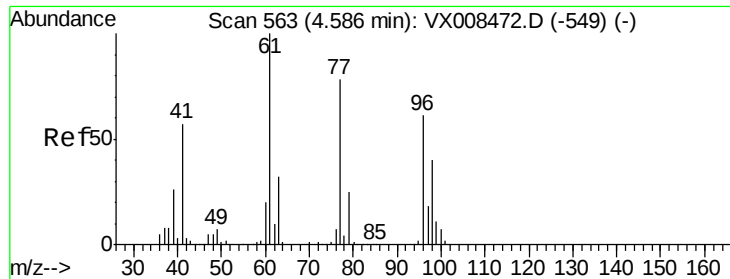
MMDadoda
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#30
 2-Butanone
 Concen: 1072.587 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	7.0	10.6
72	23.3	21.5	32.3





#31

2,2-Dichloropropane

Concen: 184.002 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 516873

Ion Ratio Lower Upper

77 100

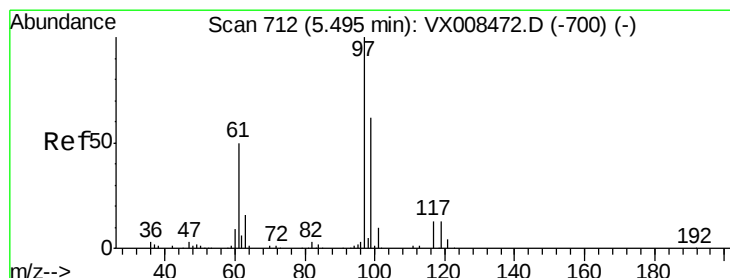
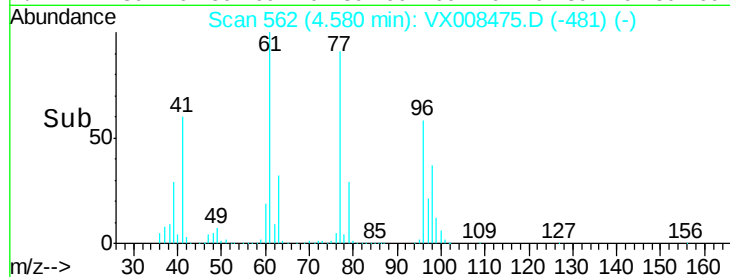
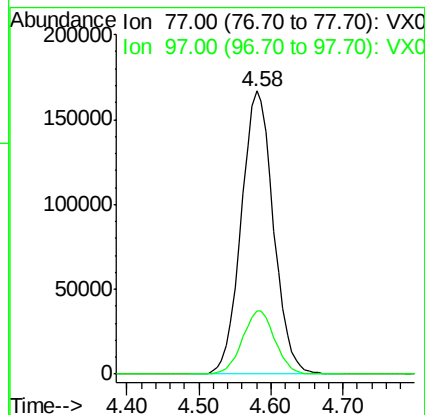
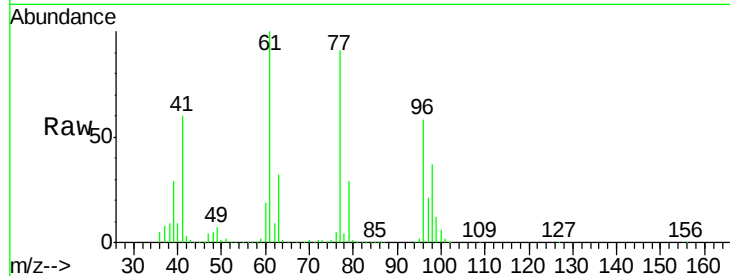
97 22.7 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 150.572 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

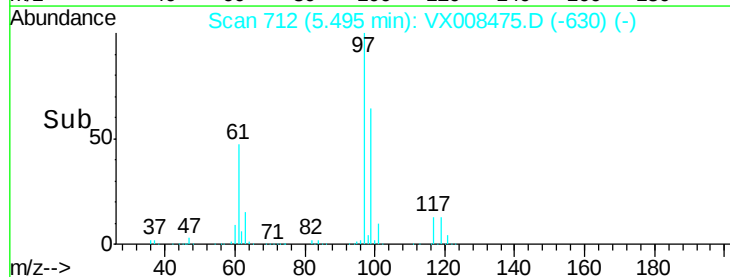
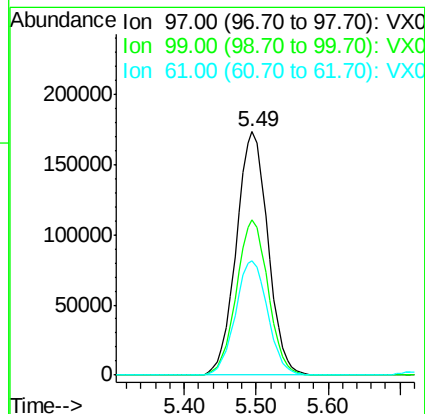
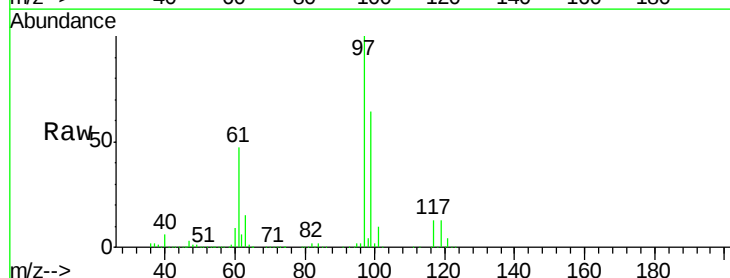
Tgt Ion: 97 Resp: 528589

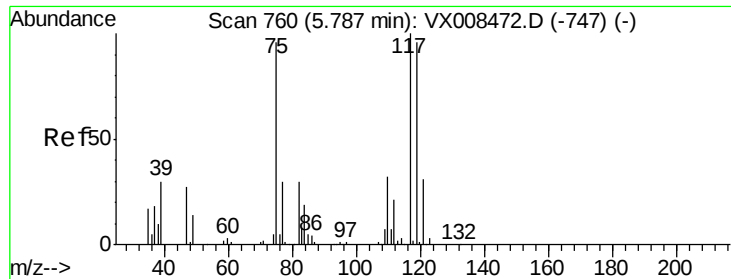
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 47.8 32.8 49.2





#33

Carbon Tetrachloride

Concen: 138.885 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

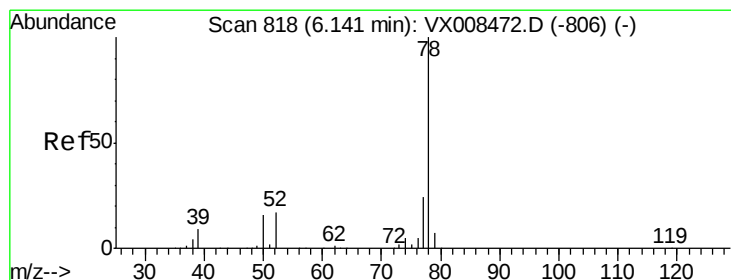
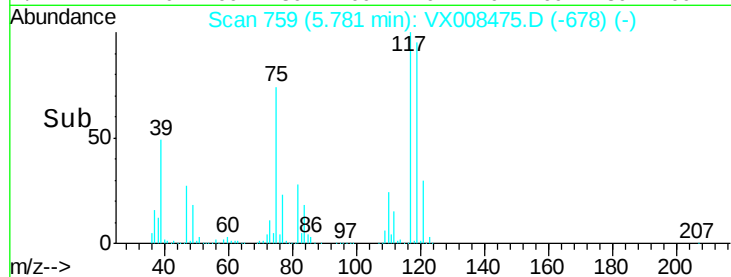
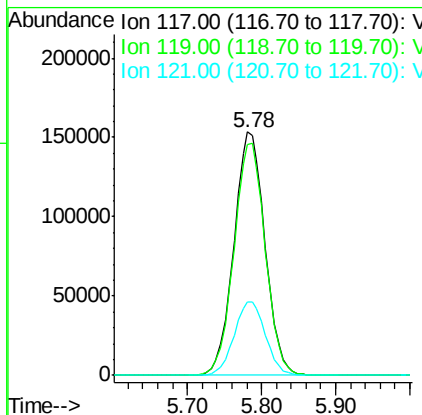
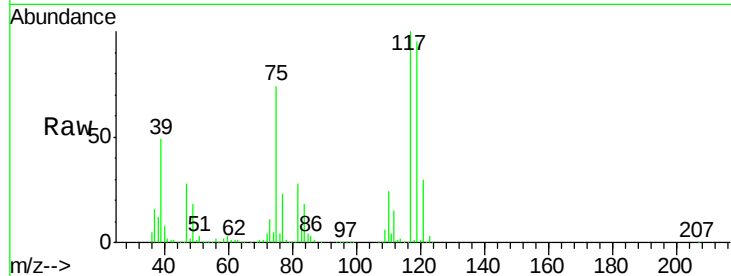
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.1	117.1
121	30.0	27.0	40.6

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#34

Benzene

Concen: 171.699 ug/l

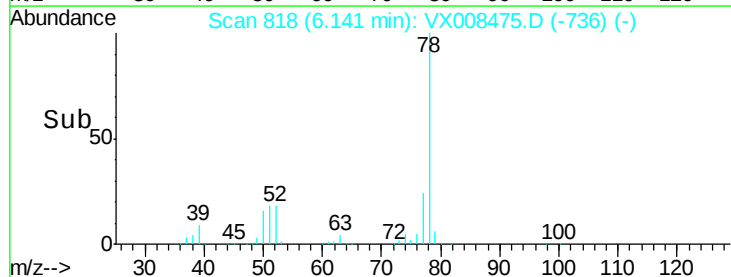
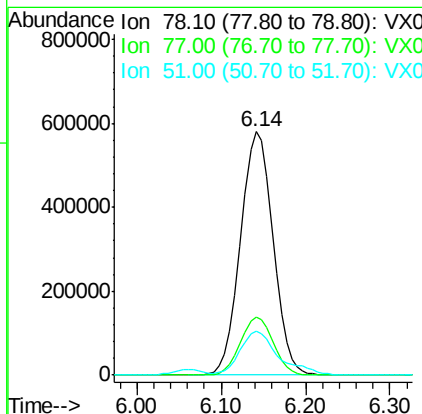
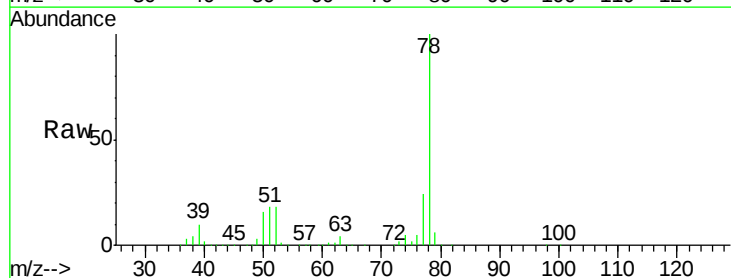
RT: 6.14 min Scan# 818

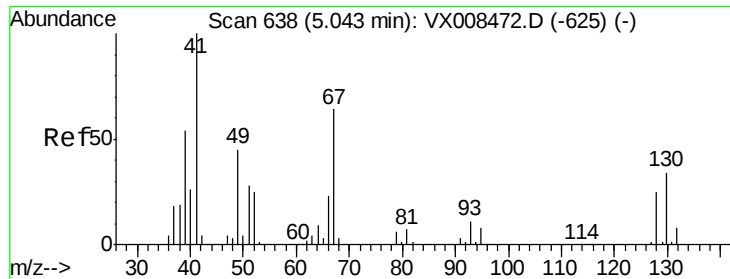
Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
51	17.8	10.8	16.2#





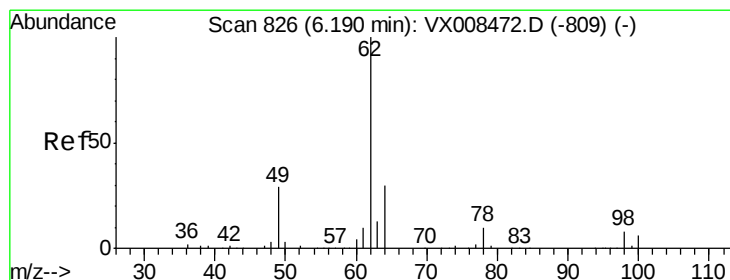
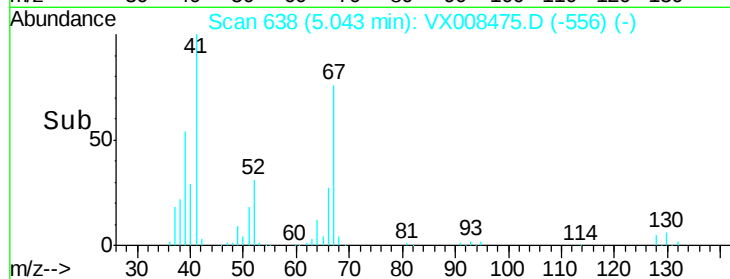
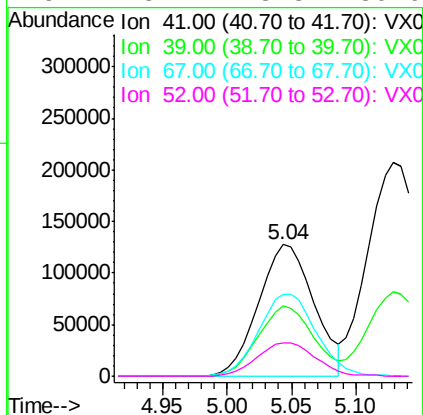
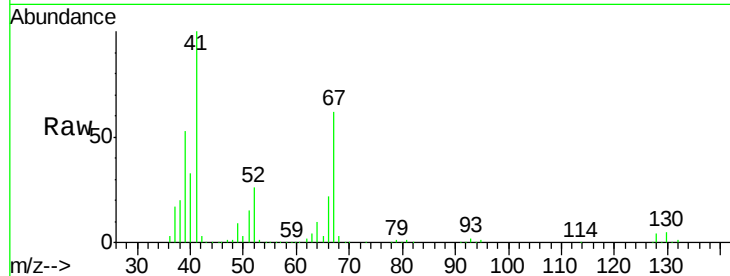
#35
Methacrylonitrile
Concen: 238.575 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
381901	41	100		
	39	53.1	27.4	82.0
	67	62.1	37.9	113.6
	52	25.4	13.3	39.9

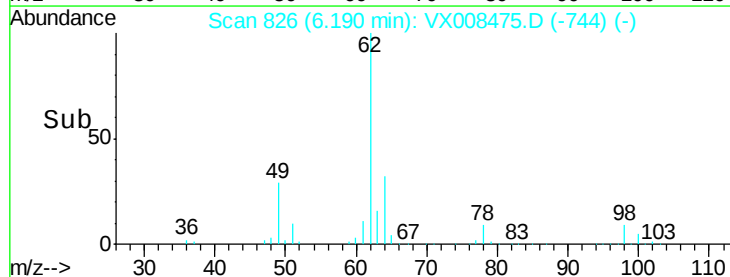
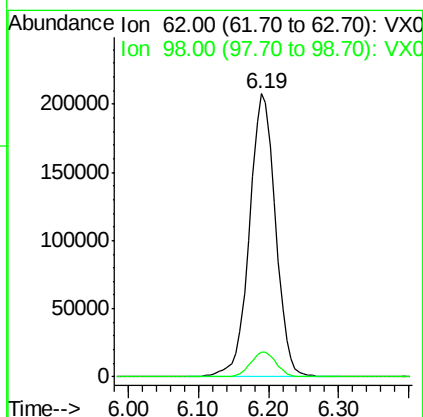
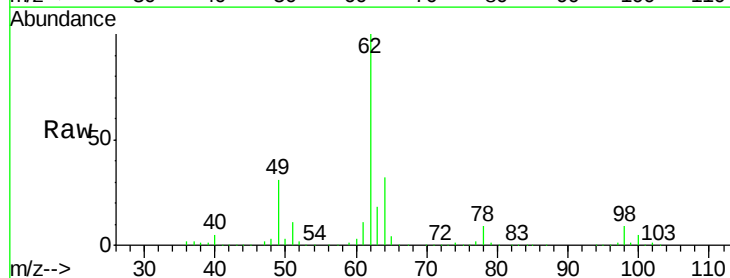
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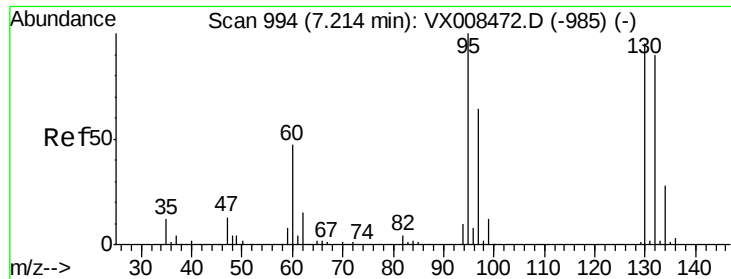
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#36
1,2-Dichloroethane
Concen: 164.271 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
538113	62	100		
	98	8.6	7.8	11.8





#37

Trichloroethene

Concen: 137.163 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 358415

Ion Ratio Lower Upper

130 100

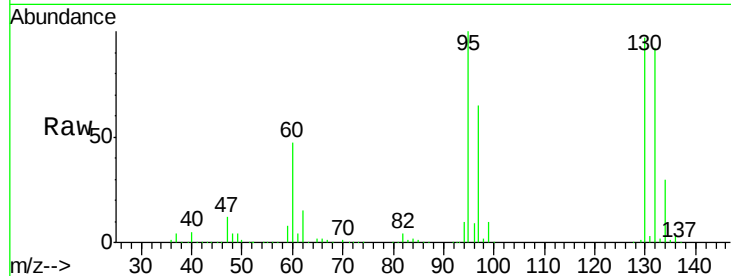
95 103.6 71.3 106.9

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

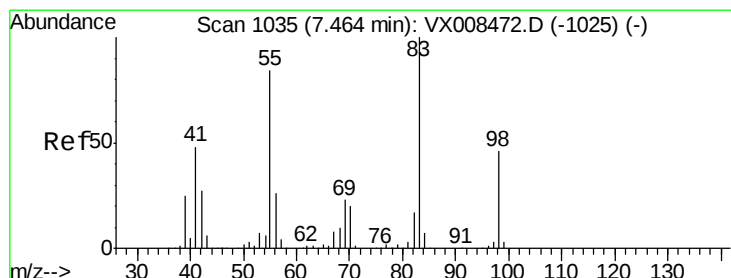
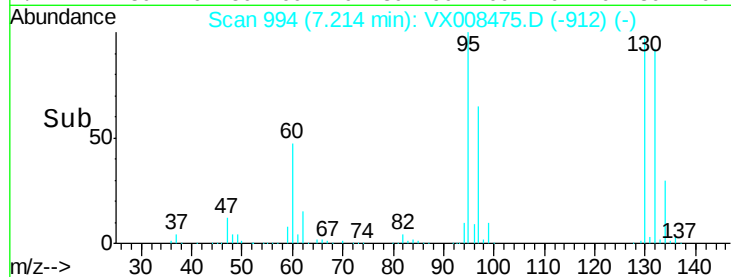
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 168.378 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

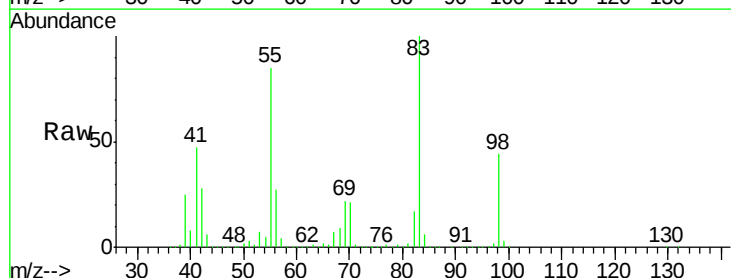
Tgt Ion: 83 Resp: 629622

Ion Ratio Lower Upper

83 100

55 85.3 36.0 108.0

98 44.6 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

7.46

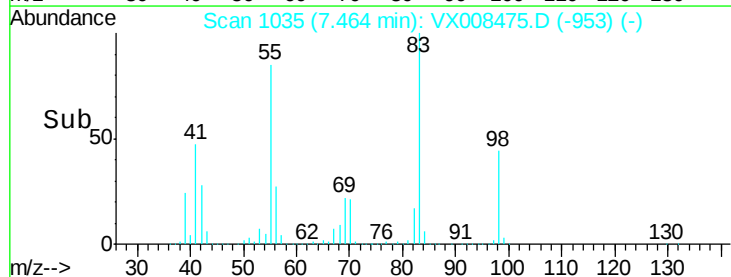
300000

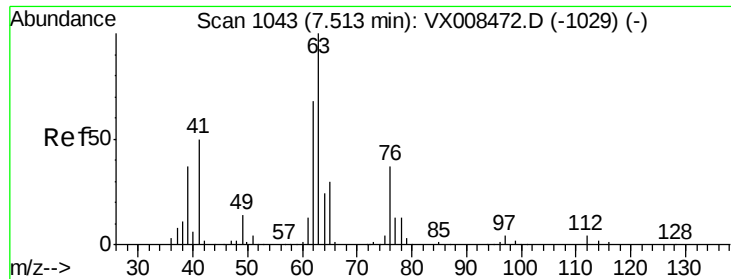
200000

100000

0

Time-->





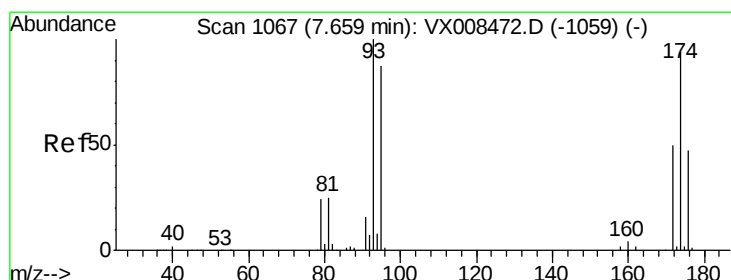
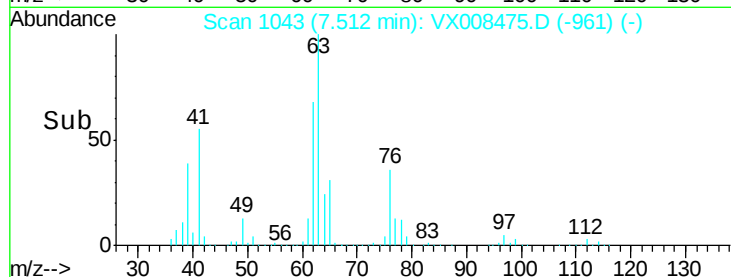
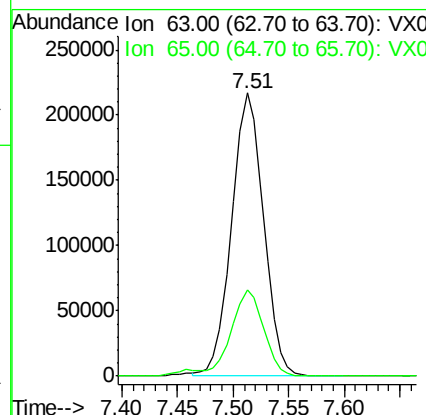
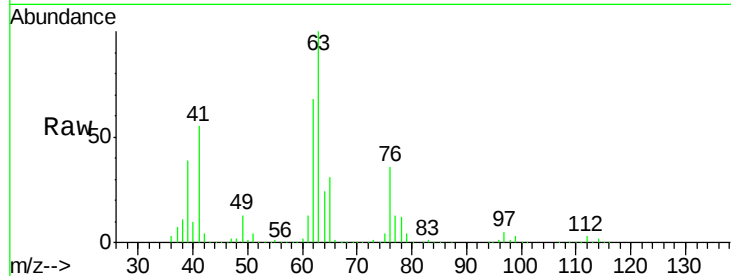
#39
 1,2-Dichloropropane
 Concen: 190.062 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 429810
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0

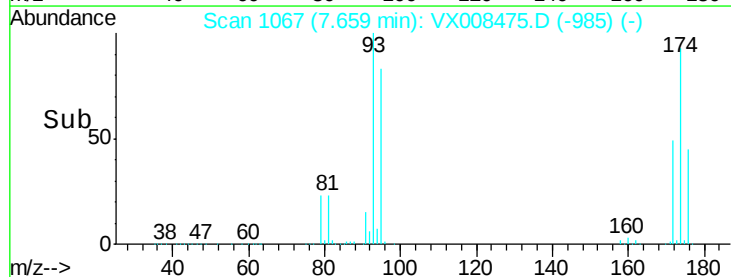
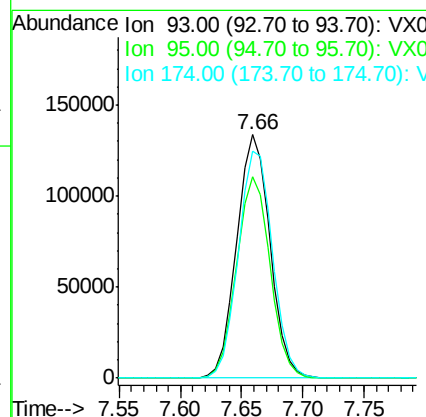
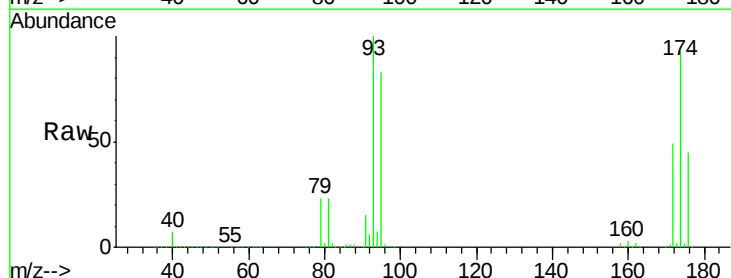
Manual Integrations
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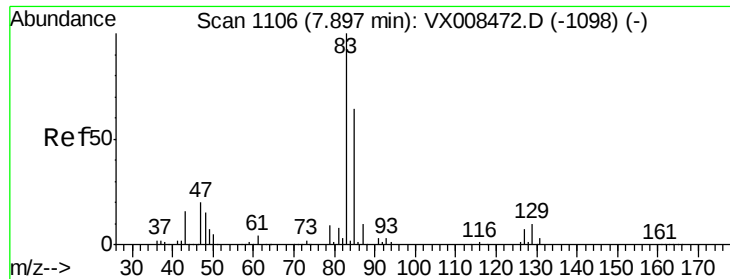
MMDadoda
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#40
 Dibromomethane
 Concen: 152.184 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion: 93 Resp: 252413
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 158.8
 174 96.1 0.0 224.2





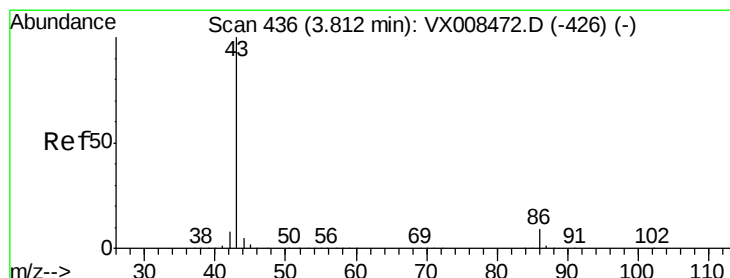
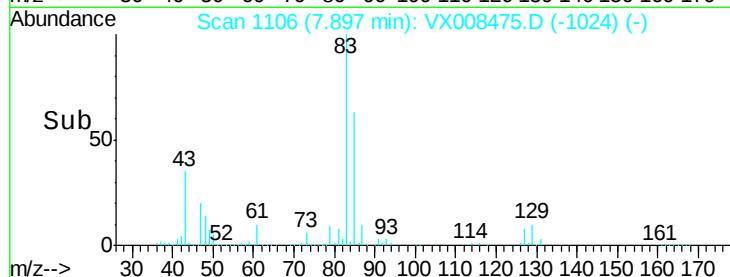
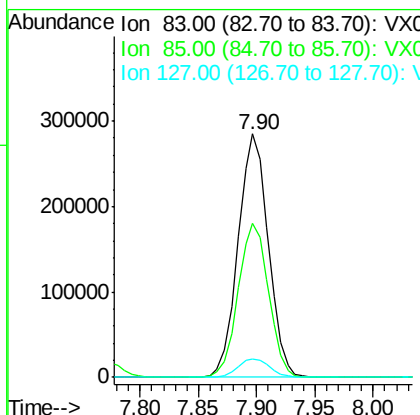
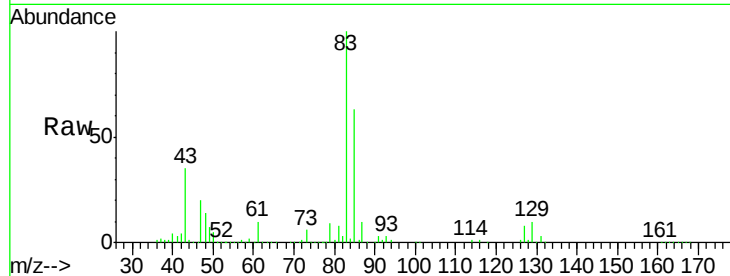
#41
Bromodichloromethane
Concen: 163.715 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	7.8	7.2	10.8

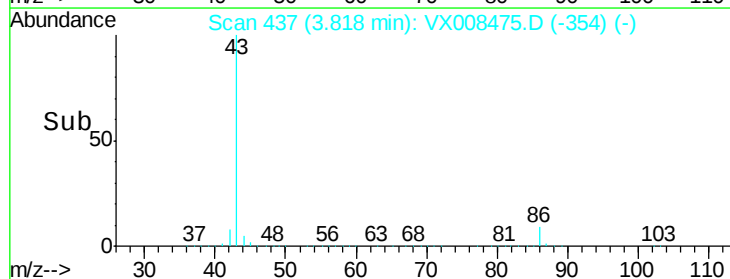
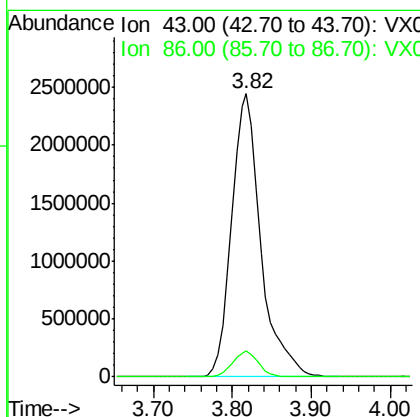
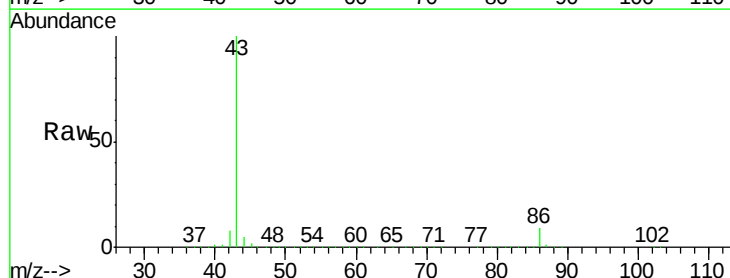
Manual Integrations
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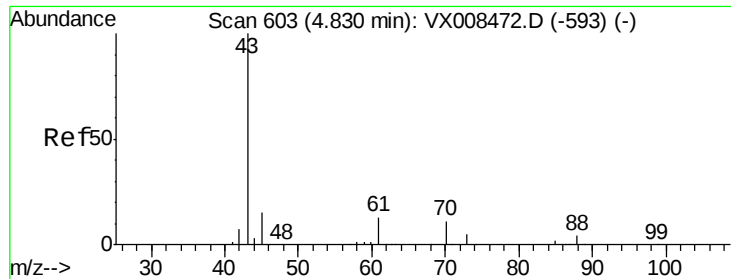
MMDadoda
3/28/2019 9:37:20 AM



#42
Vinyl Acetate
Concen: 1089.150 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.0	8.2	12.2





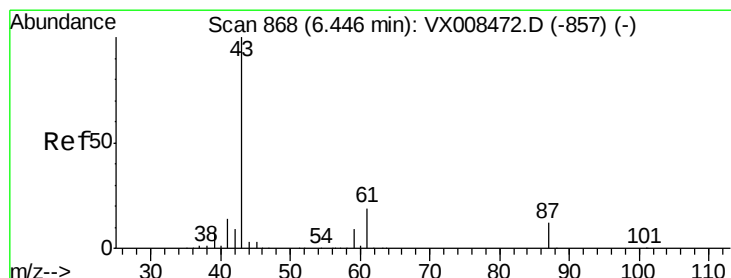
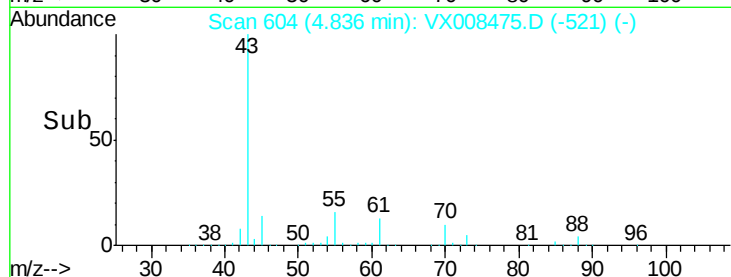
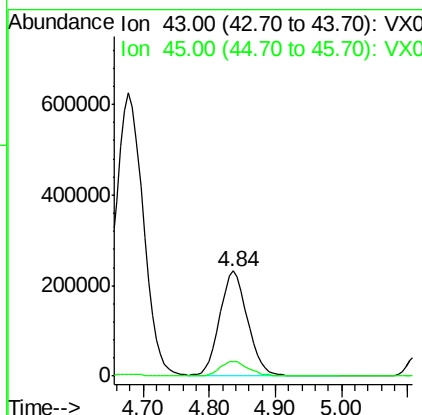
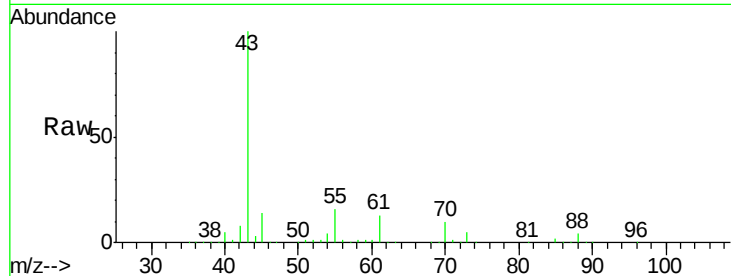
#43
Ethyl Acetate
Concen: 223.671 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 678490
Ion Ratio Lower Upper
43 100
45 14.8 6.9 10.3#

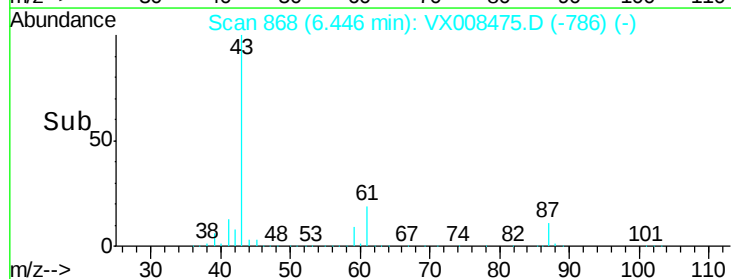
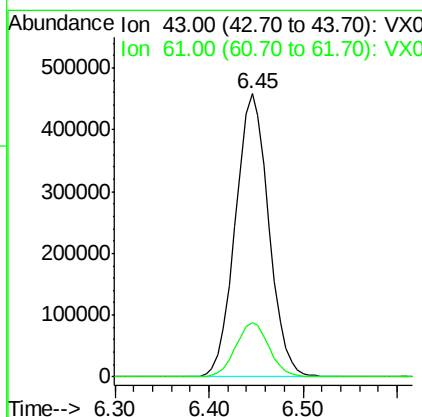
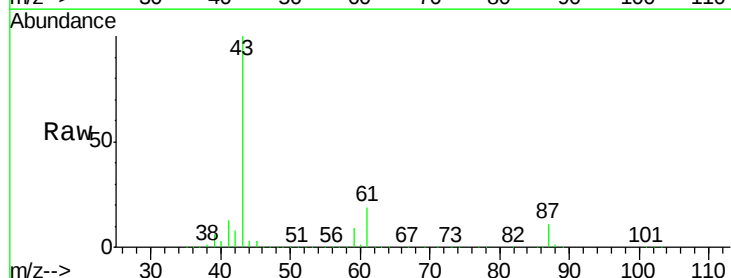
Manual Integrations
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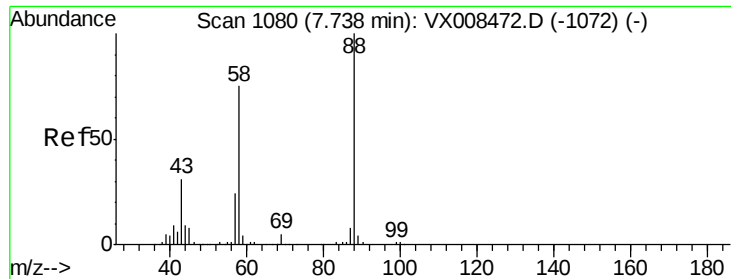
MMDadoda
3/28/2019 9:37:20 AM



#44
Isopropyl Acetate
Concen: 236.486 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion: 43 Resp: 1128951
Ion Ratio Lower Upper
43 100
61 19.3 16.1 24.1





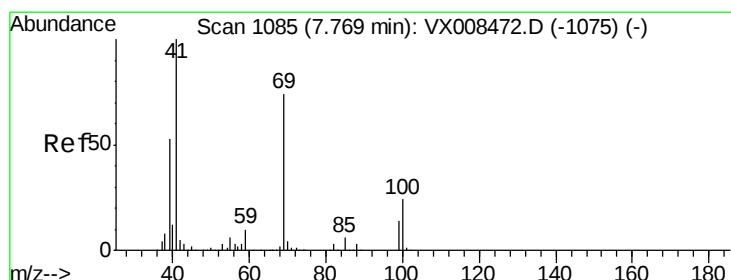
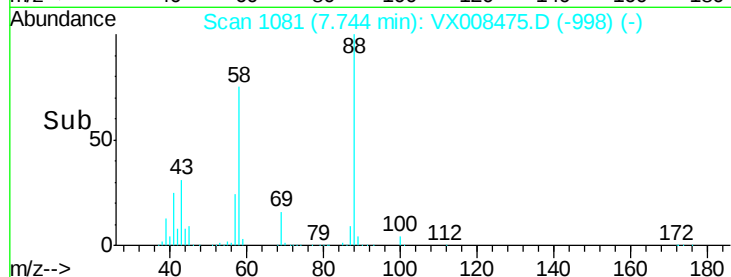
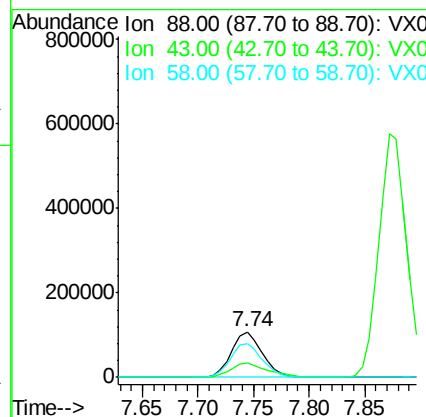
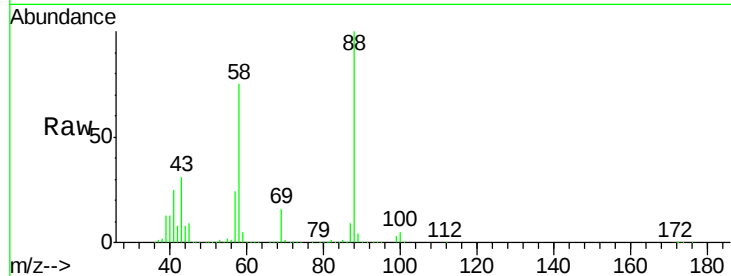
#45
 1,4-Dioxane
 Concen: 3448.267 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	207048		
43	36.7	23.6	35.4#	
58	78.8	51.6	77.4#	

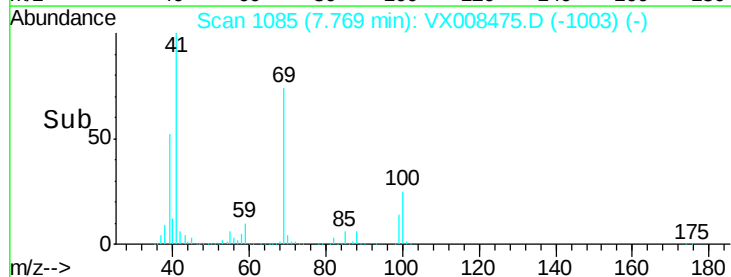
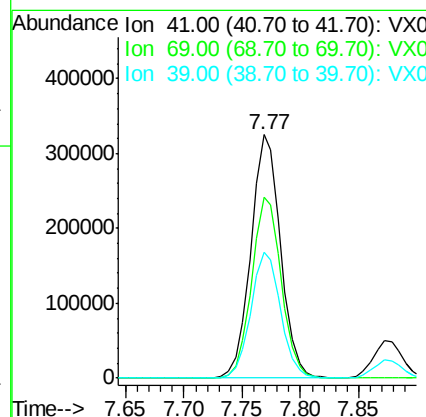
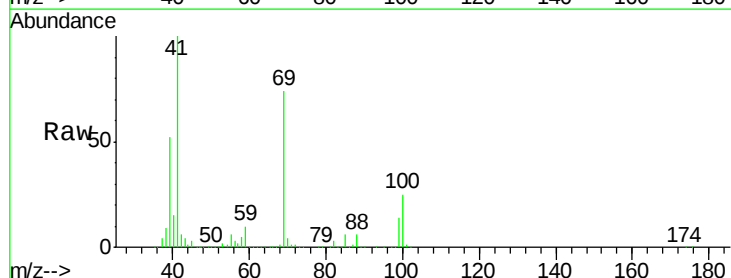
Manual Integrations
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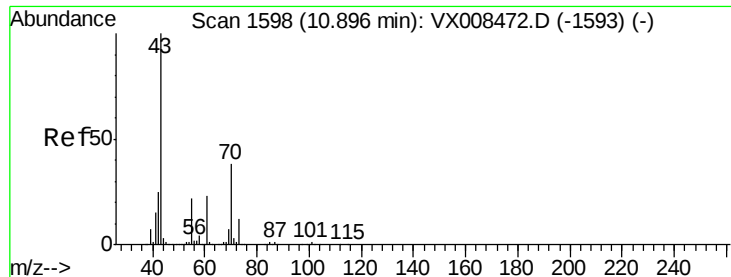
MMDadoda
 3/28/2019 9:37:20 AM



#46
 Methyl methacrylate
 Concen: 245.483 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	575021		
69	74.1	44.2	132.6	
39	51.6	29.9	89.8	





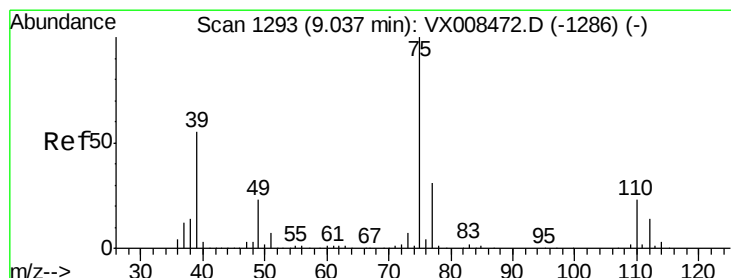
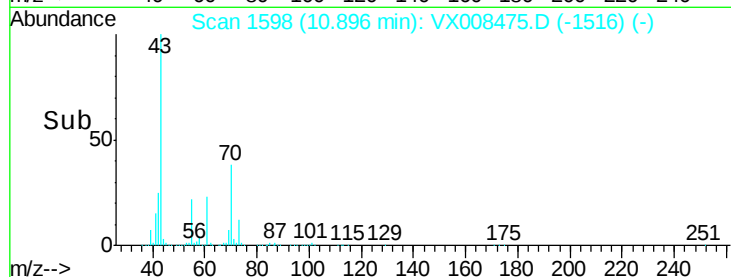
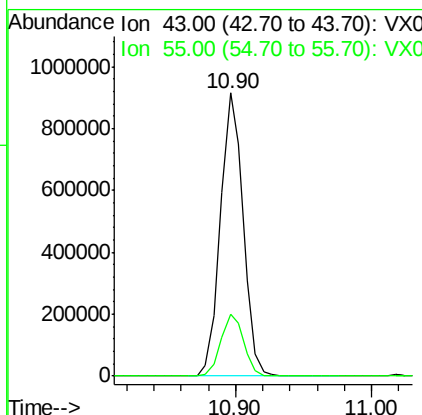
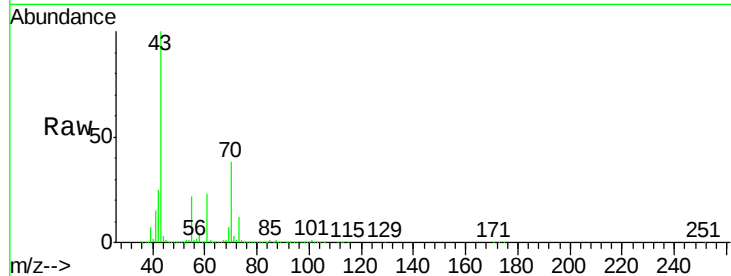
#47
n-amvl Acetate
Concen: 258.406 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1057626
Ion Ratio Lower Upper
43 100
55 22.1 20.8 31.2

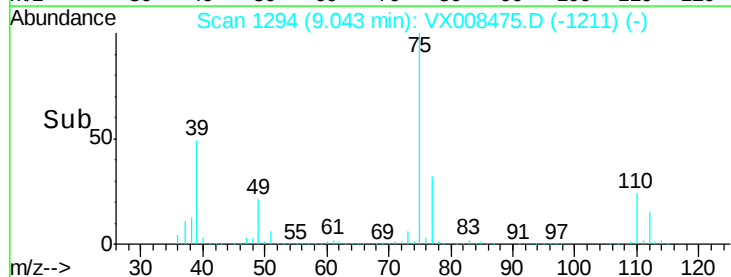
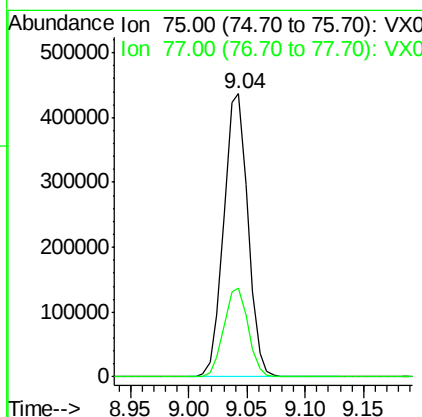
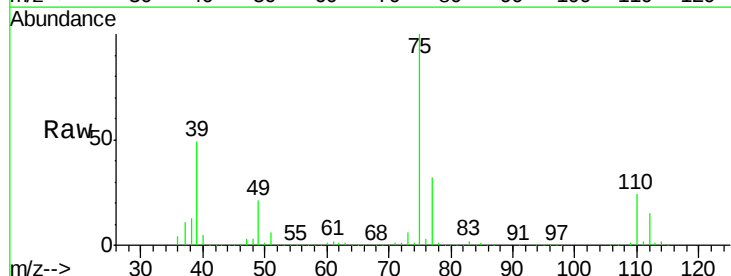
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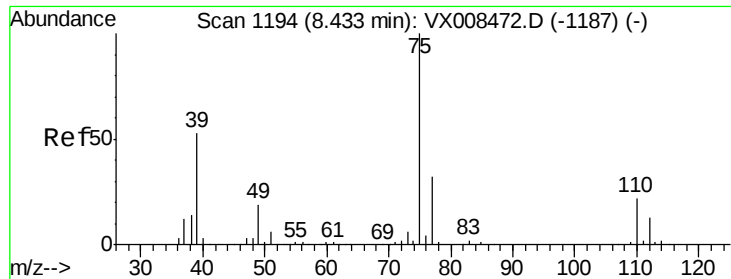
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 198.963 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion: 75 Resp: 626942
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7





#49

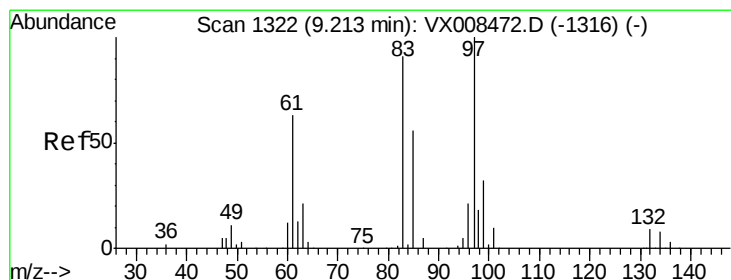
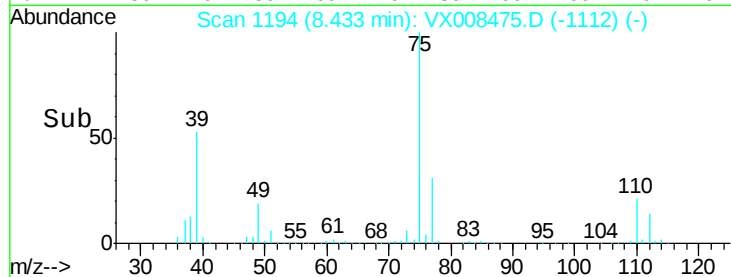
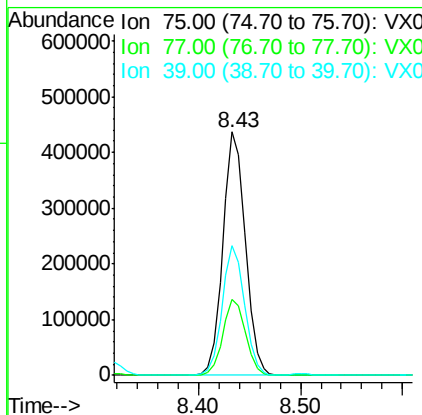
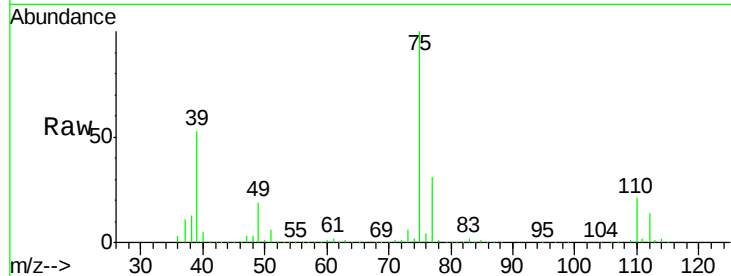
cis-1,3-Dichloropropene
 Concen: 189.958 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	53.0	38.5	57.7

Manual Integrations
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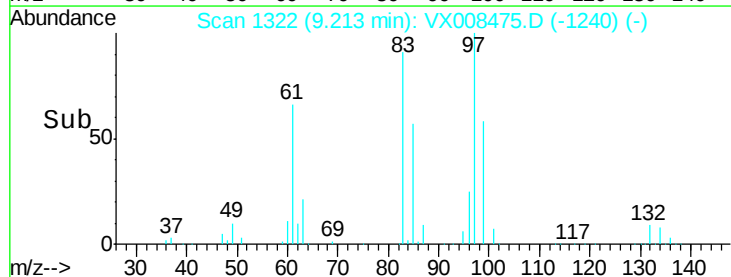
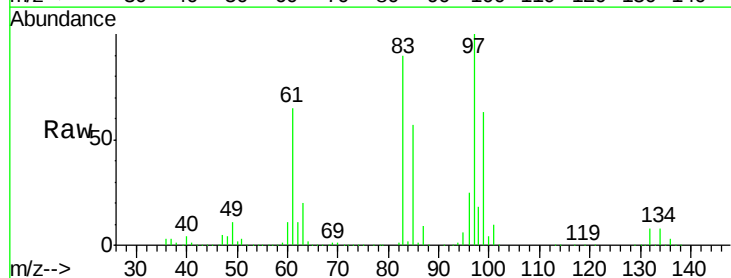
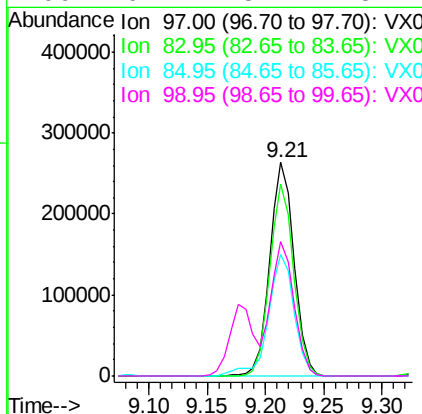
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 3/28/2019 9:37:20 AM

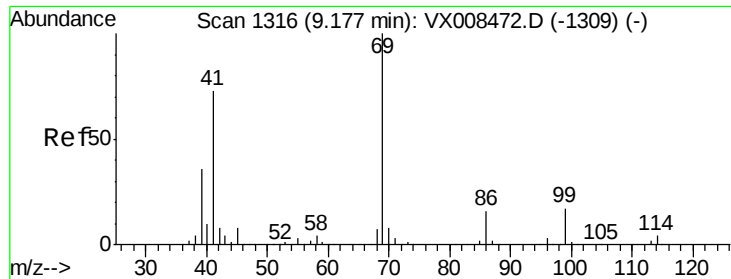


#50

1,1,2-Trichloroethane
 Concen: 160.881 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.6	72.0	108.0
85	56.9	45.0	67.6
99	62.7	54.2	81.4





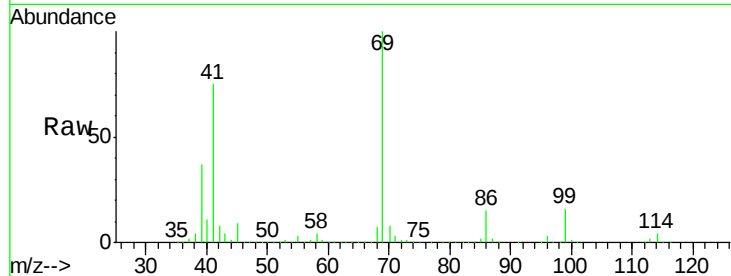
#51
Ethyl methacrylate
Concen: 214.603 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

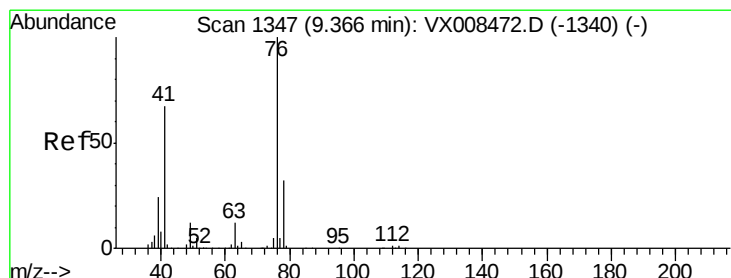
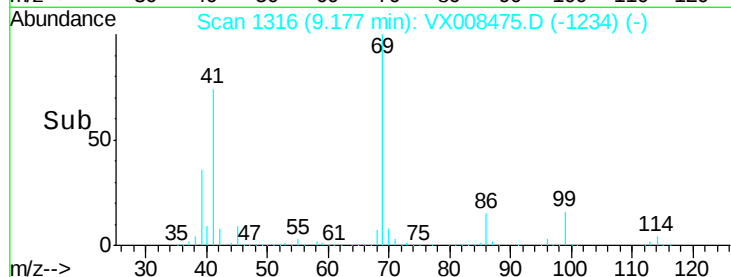
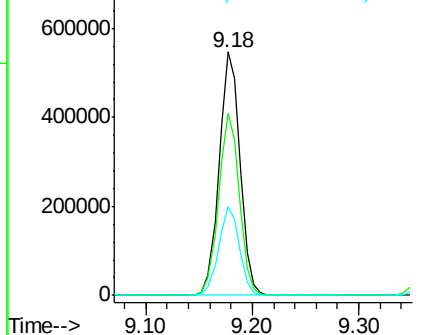
Tot Ion	Ratio	Lower	Upper
69	100		
41	75.0	32.1	96.5
39	36.5	18.8	56.3

Manual Integrations
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3/28/2019 9:37:20 AM

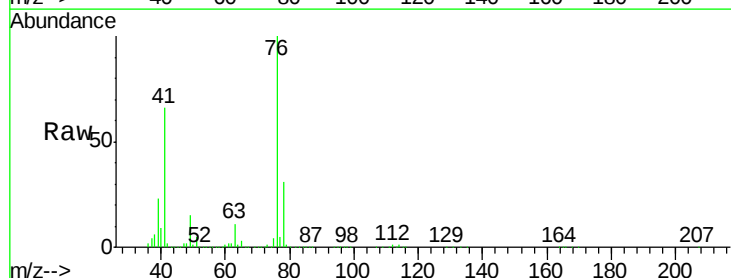


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

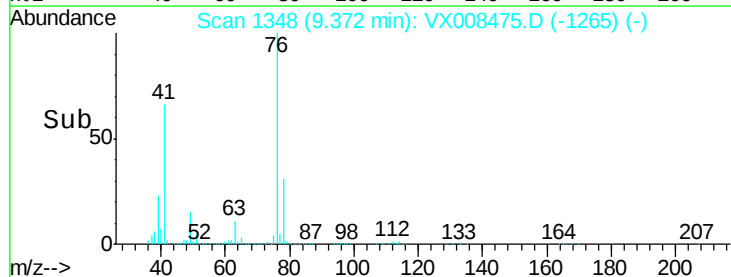
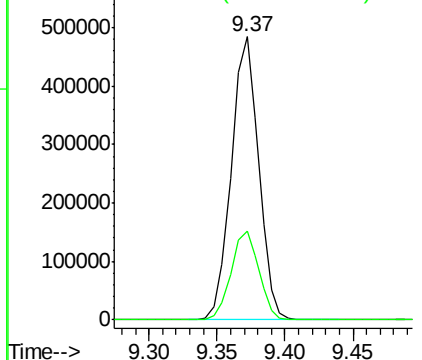


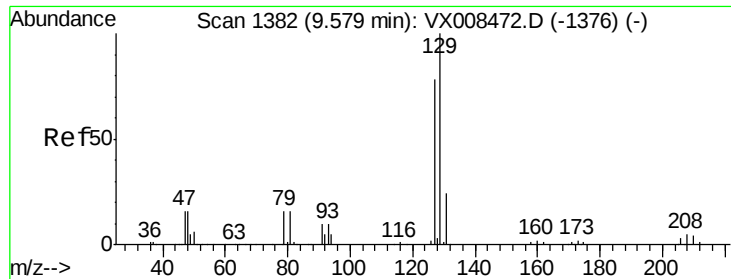
#52
1,3-Dichloropropane
Concen: 176.852 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





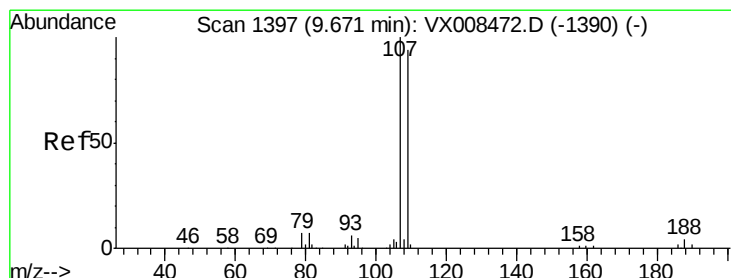
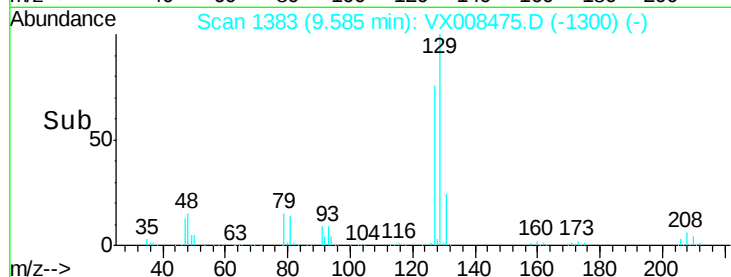
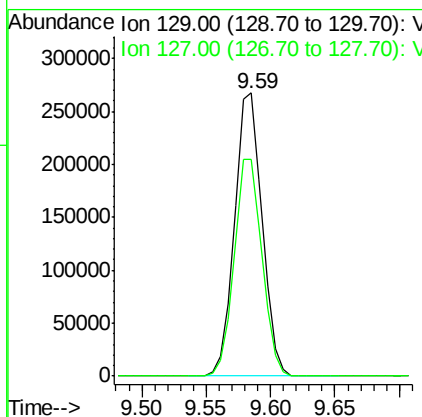
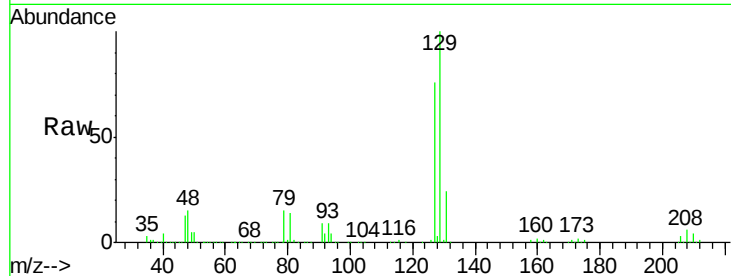
#53
Dibromochloromethane
Concen: 148.103 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.4	115.2

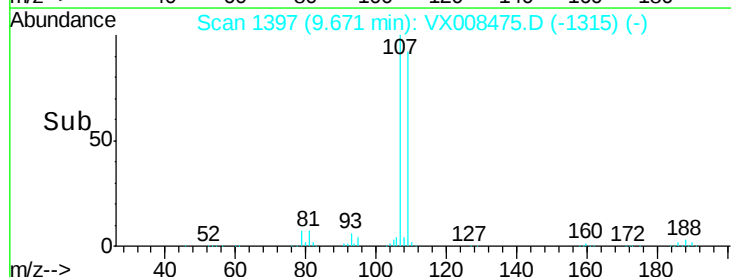
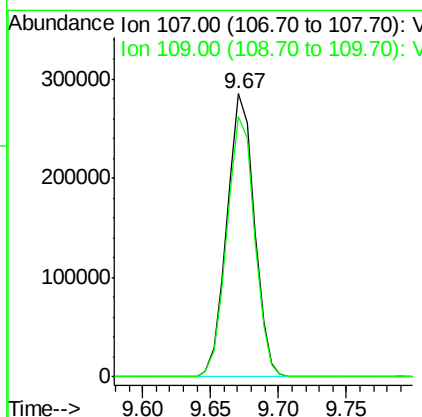
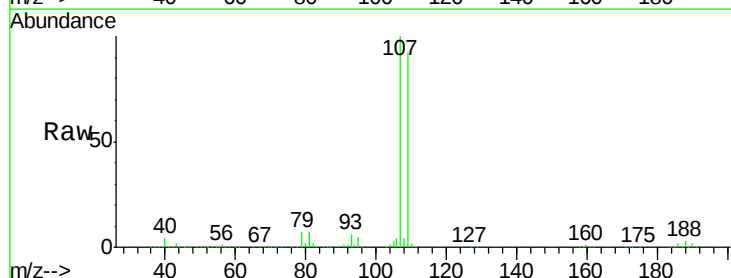
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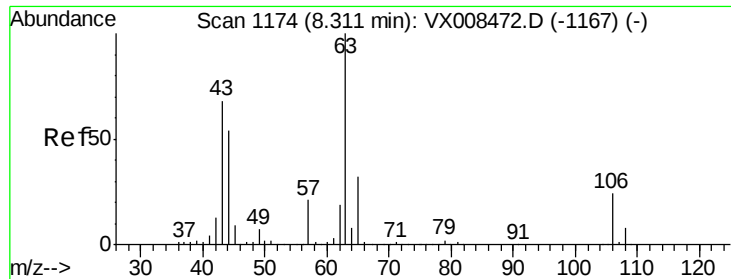
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3/28/2019 9:37:20 AM



#54
1,2-Dibromoethane
Concen: 153.151 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	76.6	115.0





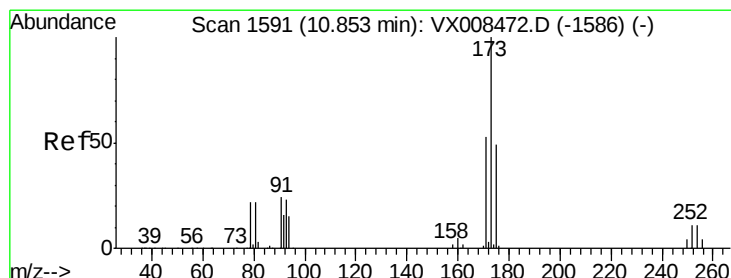
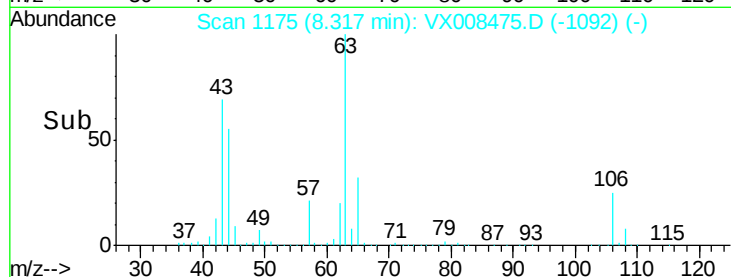
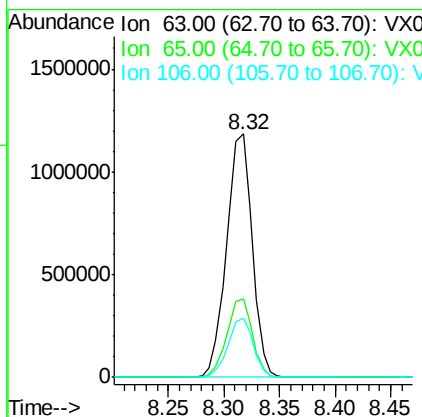
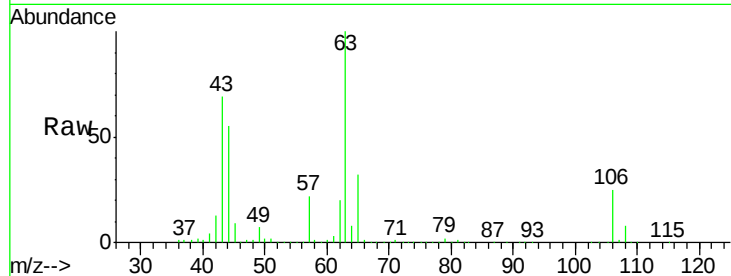
#55
2-Chloroethyl vinyl ether
Concen: 1080.832 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 1891618
Ion Ratio Lower Upper
63 100
65 32.1 25.7 38.5
106 24.1 23.7 35.5

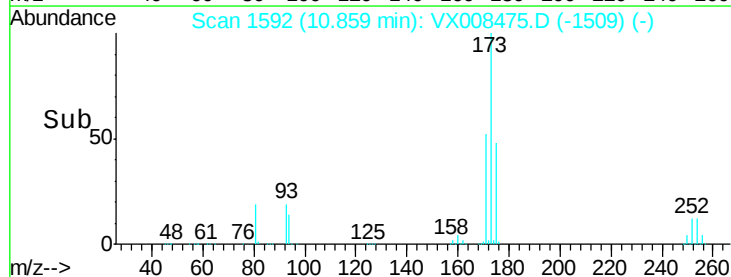
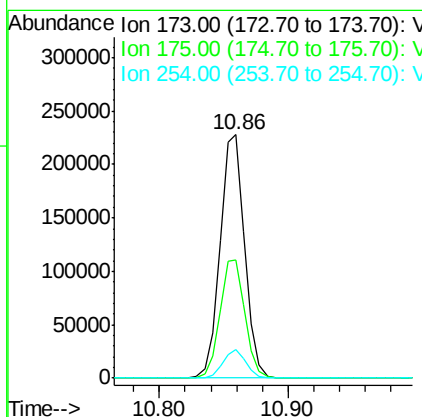
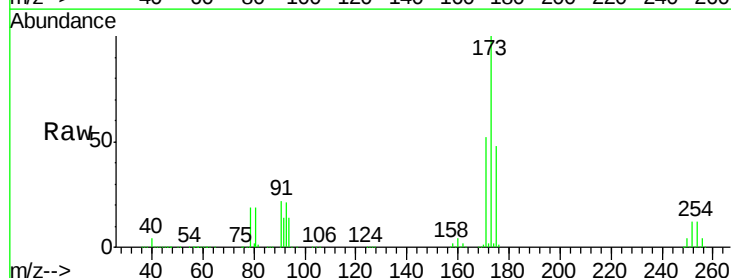
Manual Integrations
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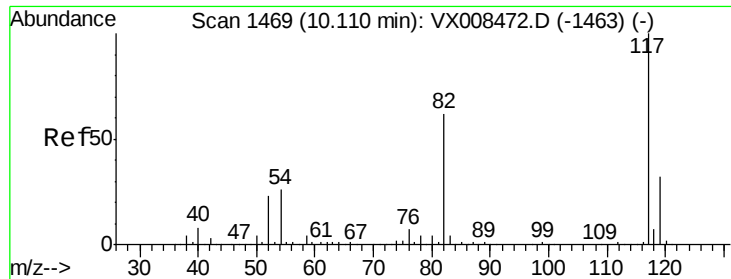
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3/28/2019 9:37:20 AM



#56
Bromoform
Concen: 143.558 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion: 173 Resp: 304418
Ion Ratio Lower Upper
173 100
175 49.3 38.5 57.7
254 11.1 7.4 11.2





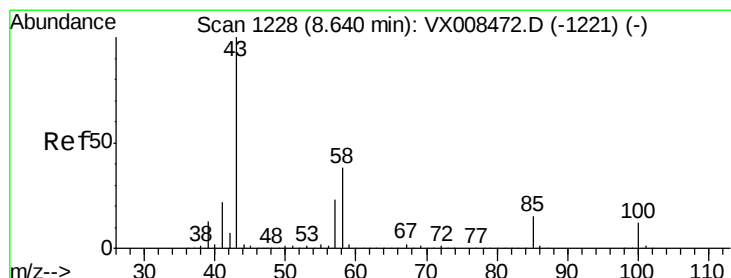
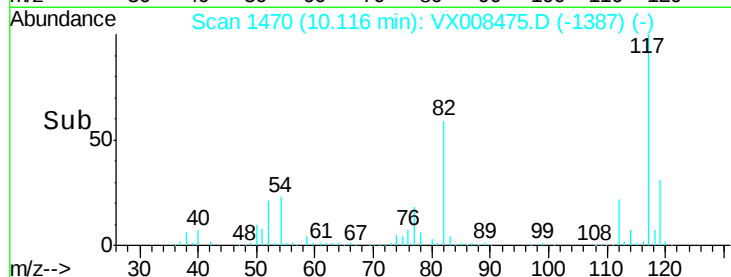
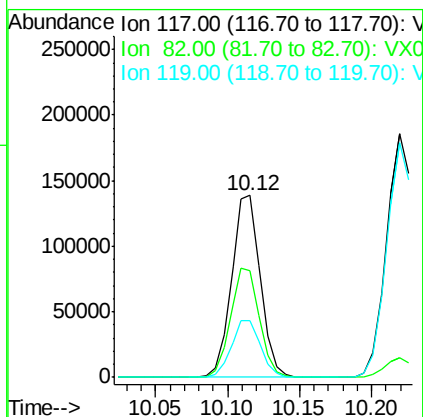
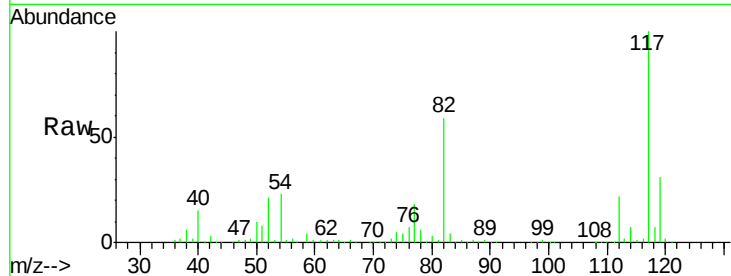
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	40.4	60.6
119	32.0	25.8	38.6

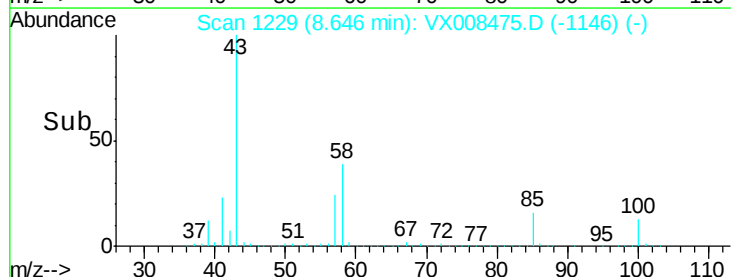
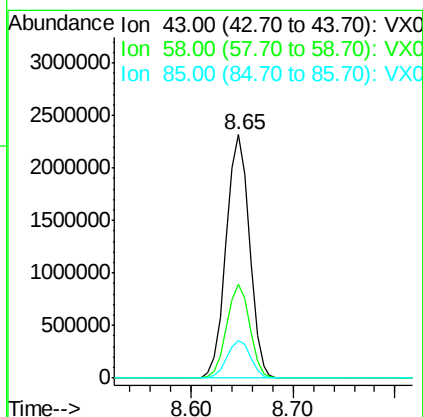
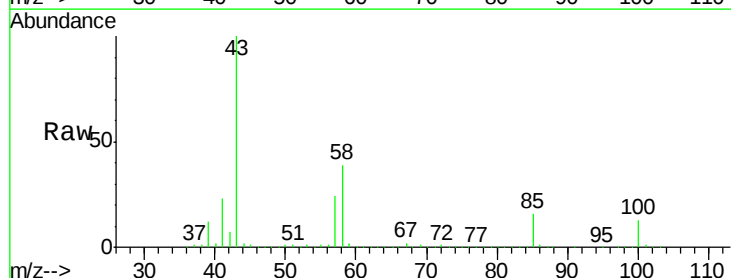
Manual Integrations
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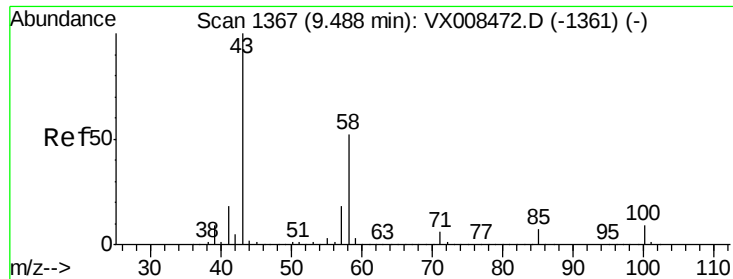
MMDadoda
3/28/2019 9:37:20 AM



#58
4-Methyl-2-Pentanone
Concen: 1124.898 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.0	31.4	47.0
85	15.4	15.0	22.6





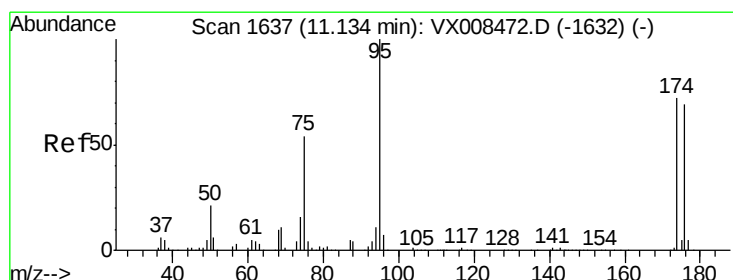
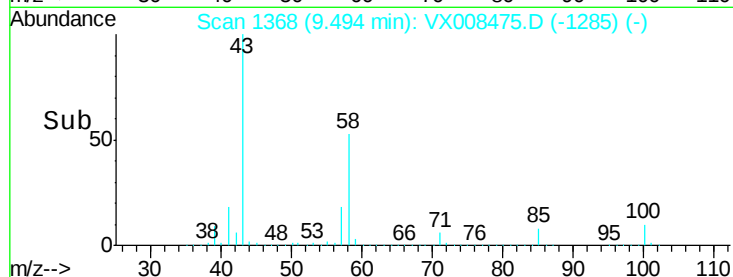
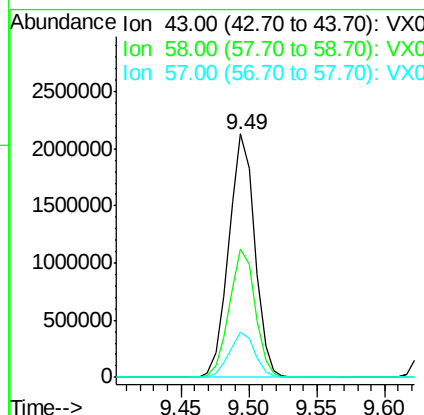
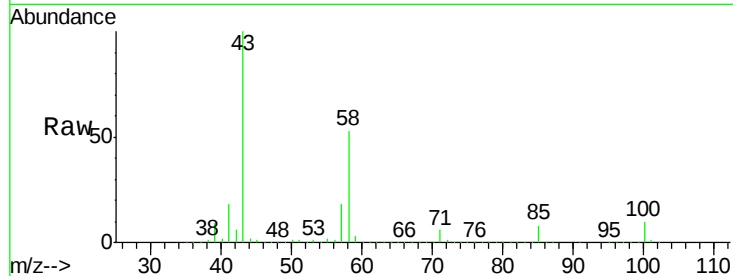
#59
2-Hexanone
Concen: 1097.923 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 2823425
Ion Ratio Lower Upper
43 100
58 52.8 43.9 65.9
57 18.3 14.9 22.3

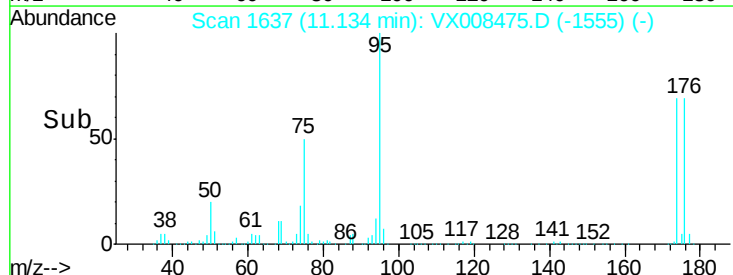
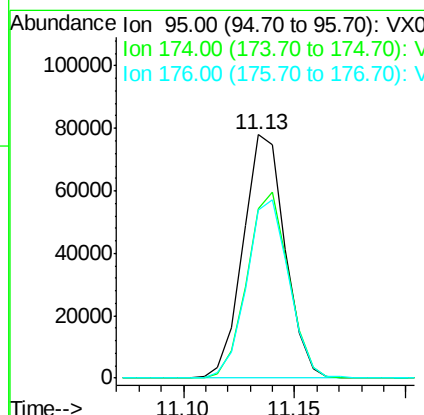
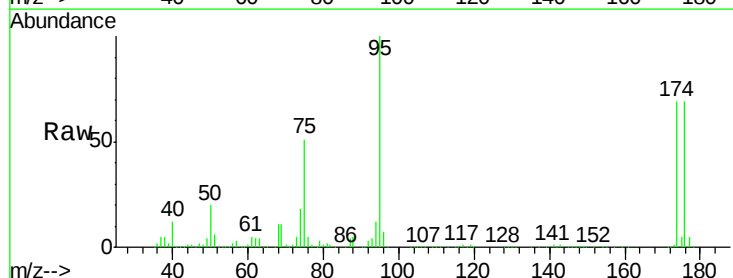
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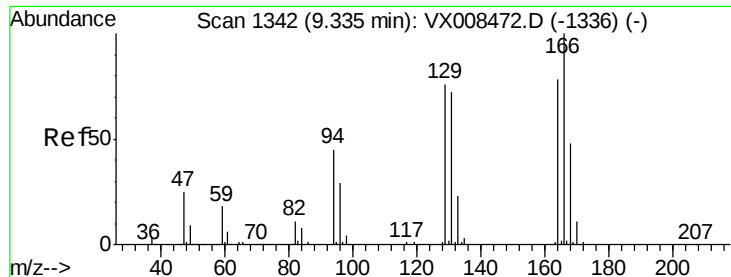
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 32.536 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion: 95 Resp: 102256
Ion Ratio Lower Upper
95 100
174 76.0 74.9 112.3
176 74.0 70.7 106.1





#61

Tetrachloroethene

Concen: 112.187 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

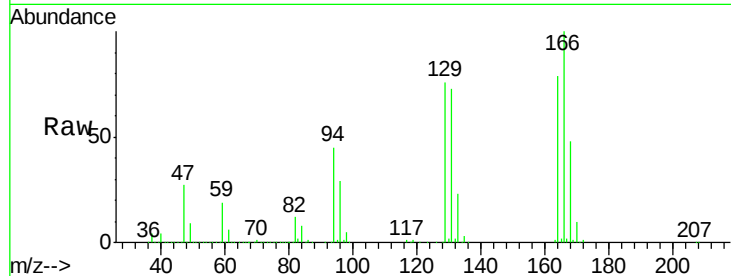
ClientSampleId :

VSTDIC150

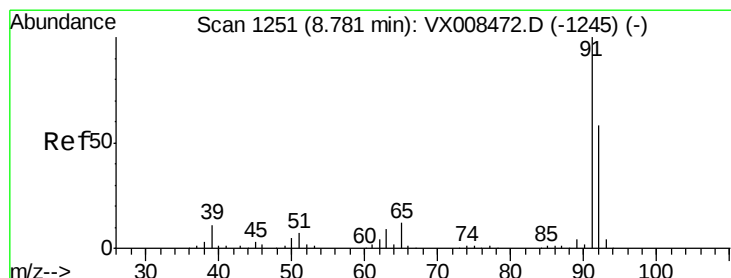
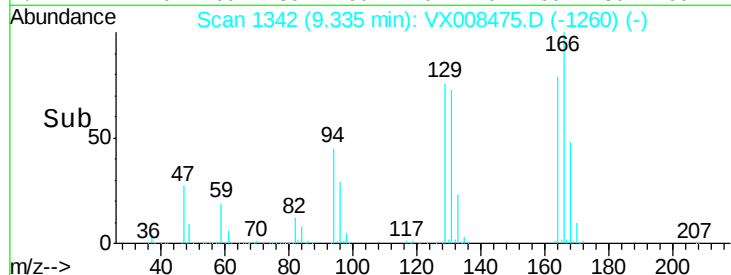
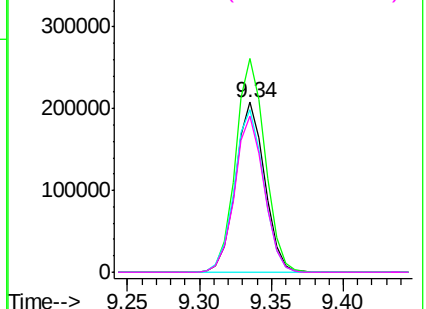
Tot Ion:	164	Resp:	291585
Ion Ratio	Lower	Upper	
164	100		
166	125.8	103.9	155.9
129	96.0	74.7	112.1
131	92.0	71.7	107.5

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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: 158.071 ug/l

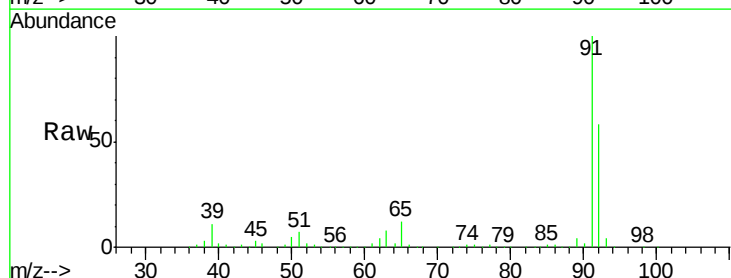
RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

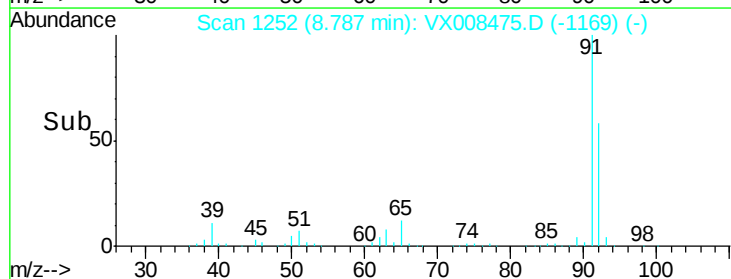
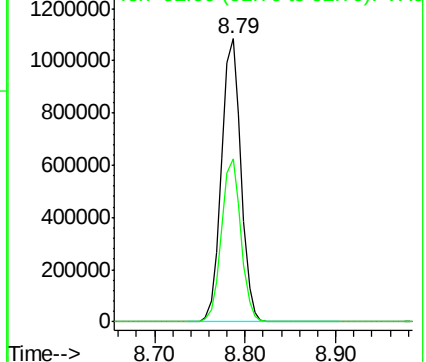
Lab File: VX008475.D

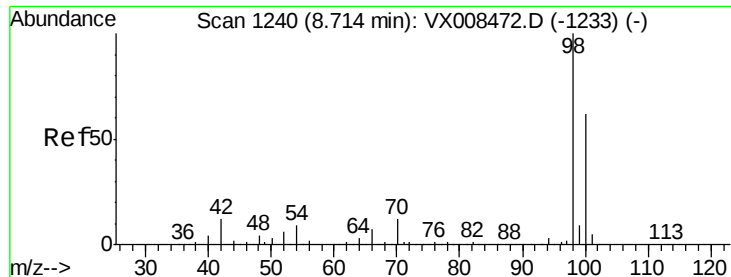
Acq: 27 Mar 2019 11:40

Tgt Ion:	91	Resp:	1620045
Ion Ratio	Lower	Upper	
91	100		
92	57.5	46.4	69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





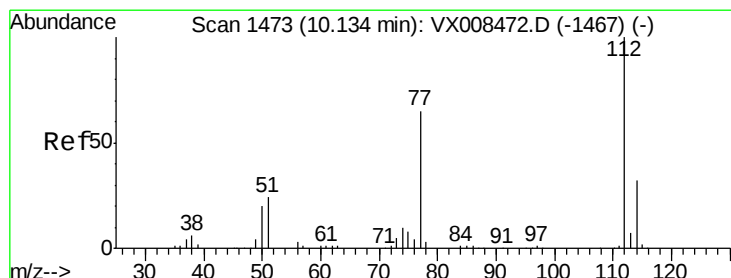
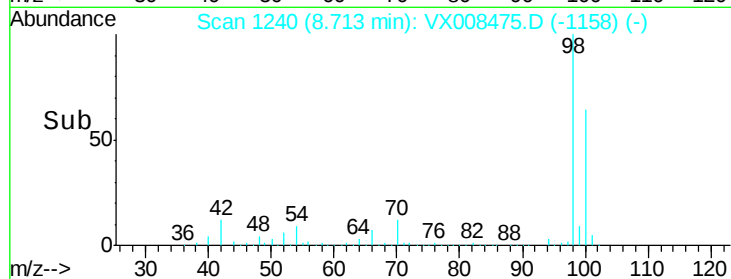
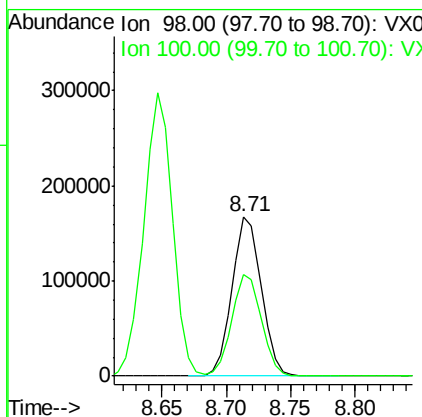
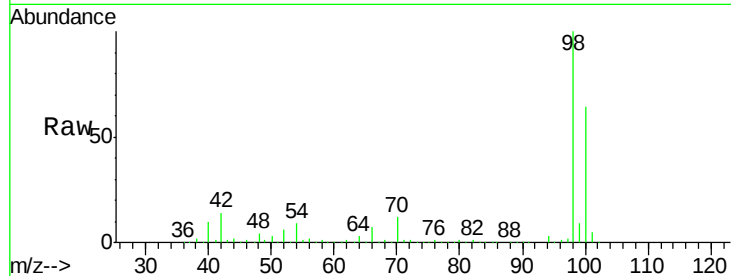
#63
Toluene-d8
Concen: 30.588 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 266094
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3

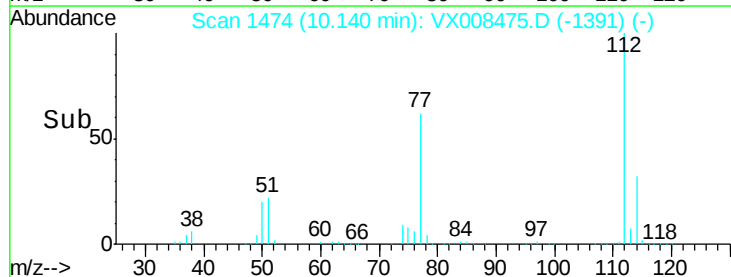
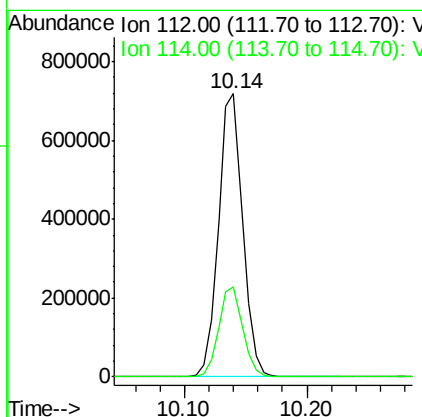
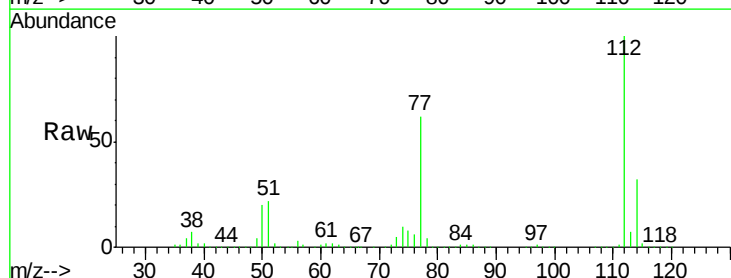
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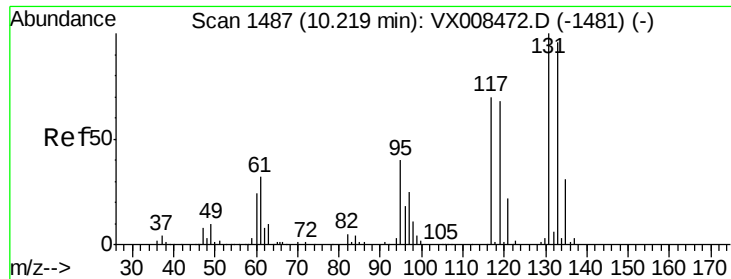
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#64
Chlorobenzene
Concen: 148.973 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion: 112 Resp: 984309
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2





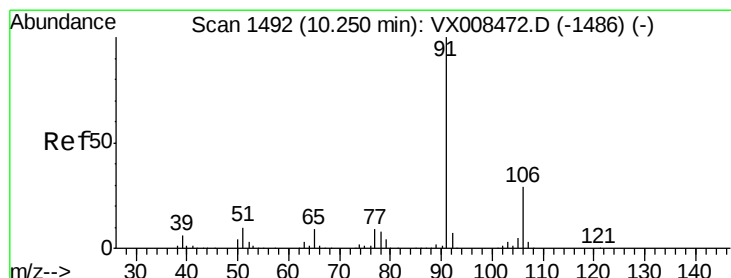
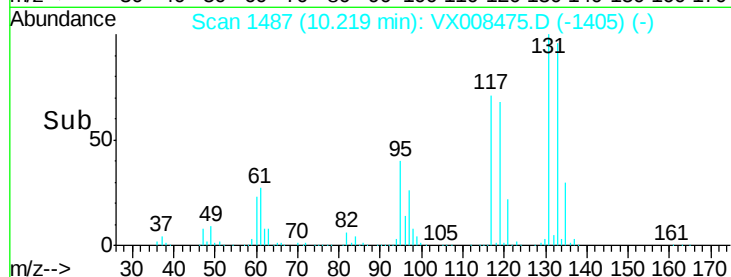
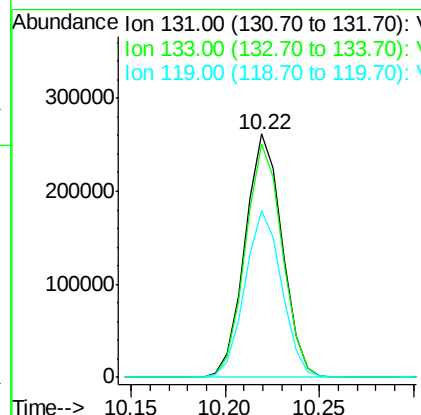
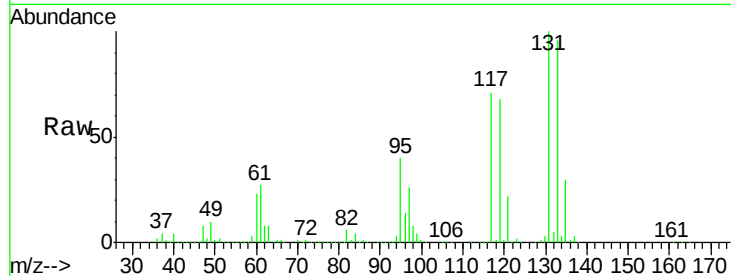
#65
 1,1,1,2-Tetrachloroethane
 Concen: 141.513 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	357109		
133	95.3	0.0	191.6	
119	68.0	0.0	127.4	

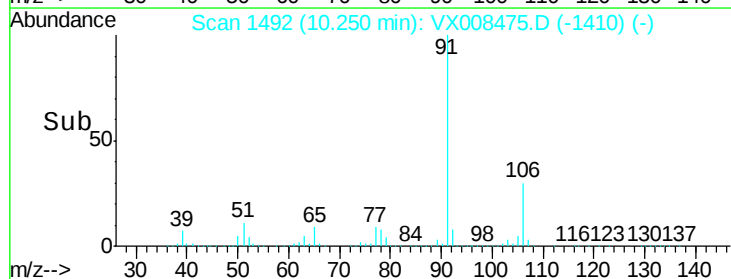
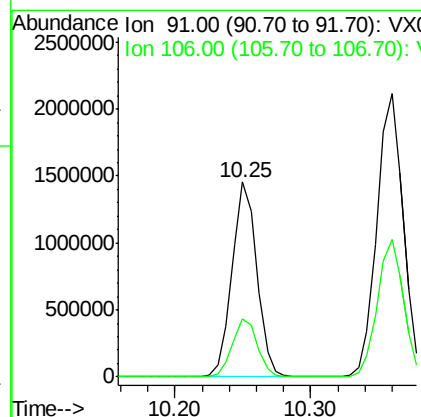
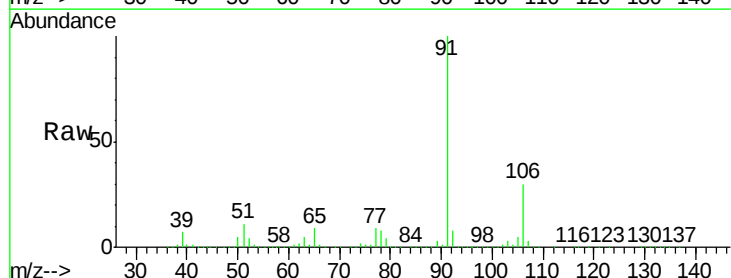
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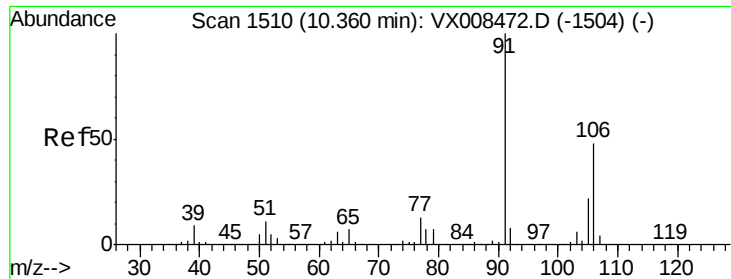
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#66
 Ethyl Benzene
 Concen: 166.629 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1846890		
106	30.1	26.0	39.0	





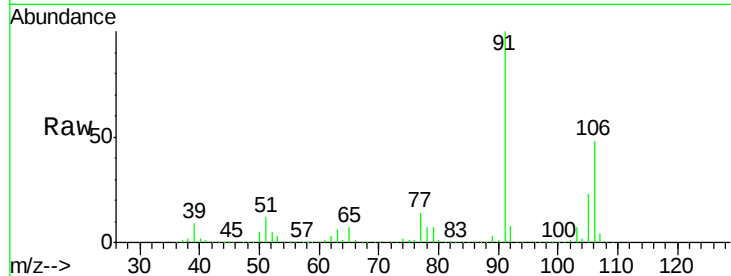
#67
m/p-Xylenes
Concen: 309.284 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

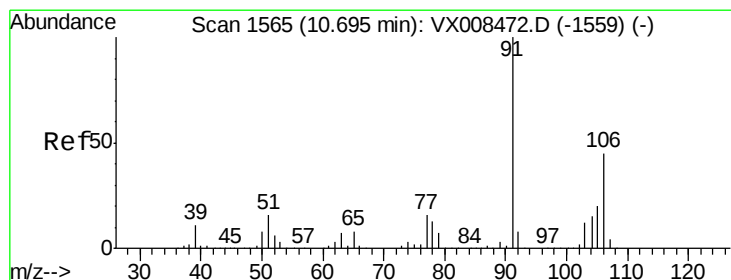
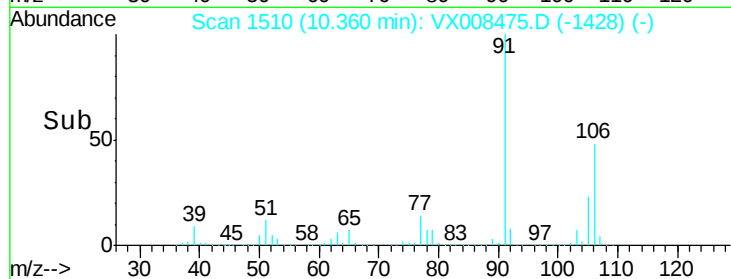
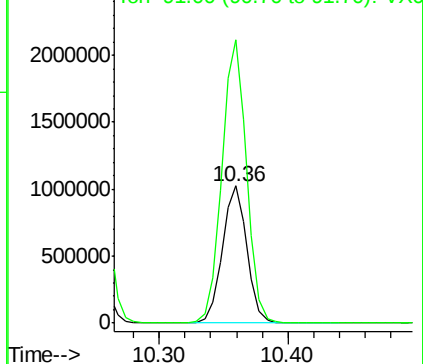
Tot Ion:106 Resp: 1362470
Ion Ratio Lower Upper
106 100
91 208.4 157.0 235.4

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3/28/2019 9:37:20 AM

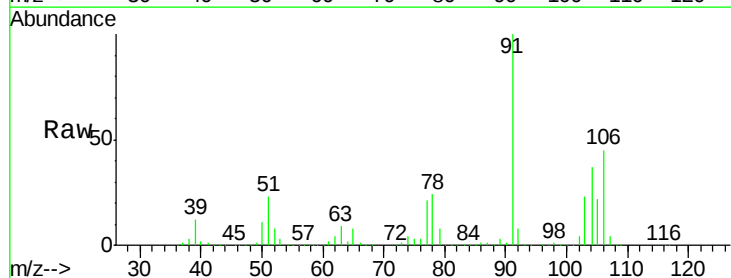


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

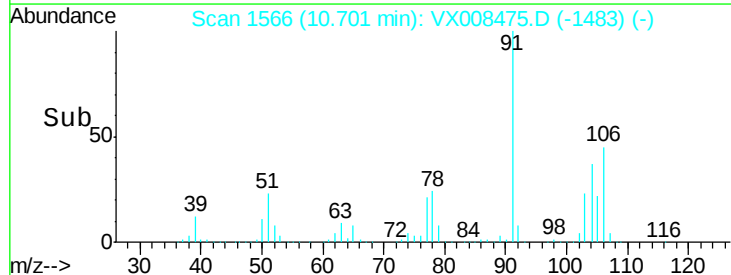
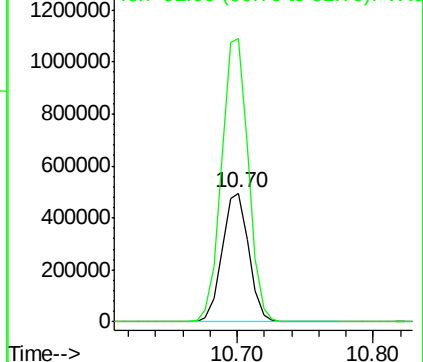


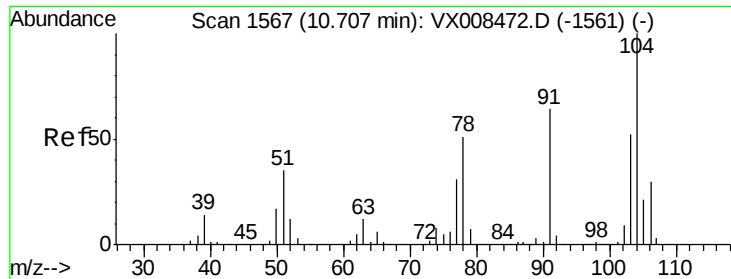
#68
o-Xylene
Concen: 156.819 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion:106 Resp: 663631
Ion Ratio Lower Upper
106 100
91 222.1 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





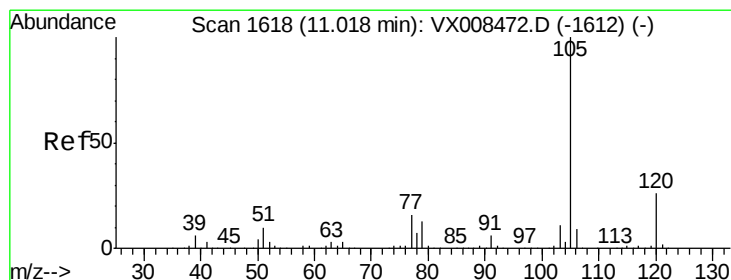
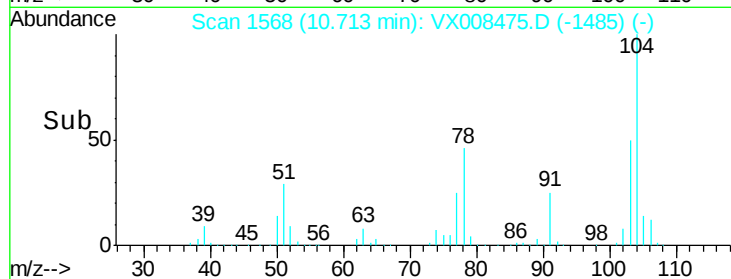
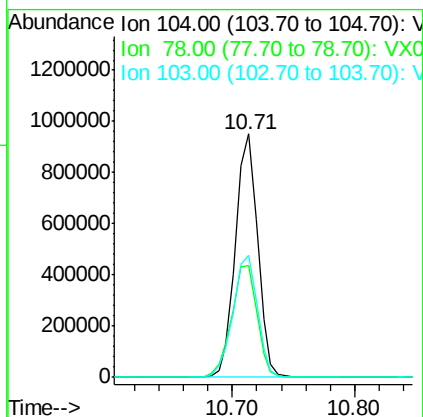
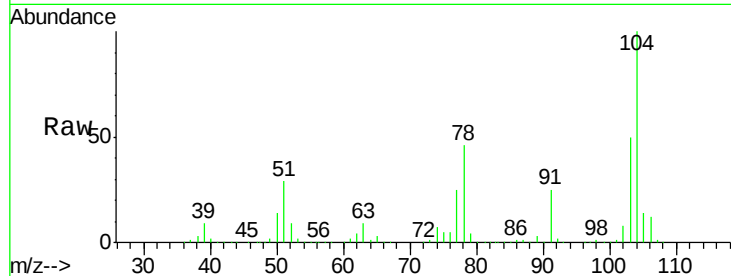
#69
Stvrene
Concen: 167.151 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 1194206
Ion Ratio Lower Upper
104 100
78 52.7 38.2 57.2
103 55.0 45.0 67.4

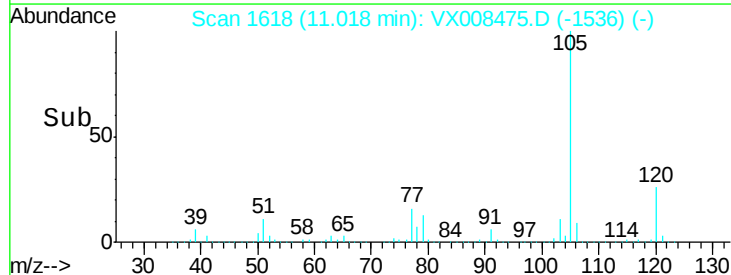
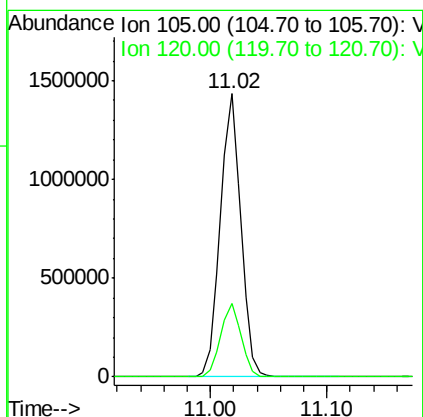
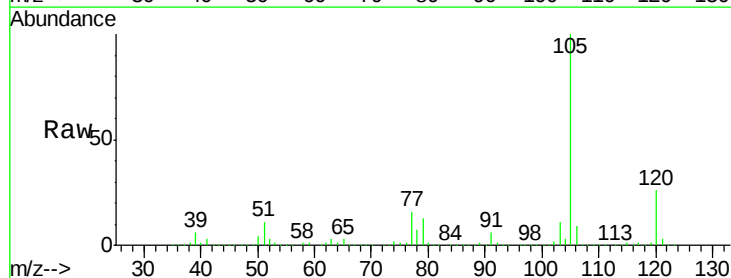
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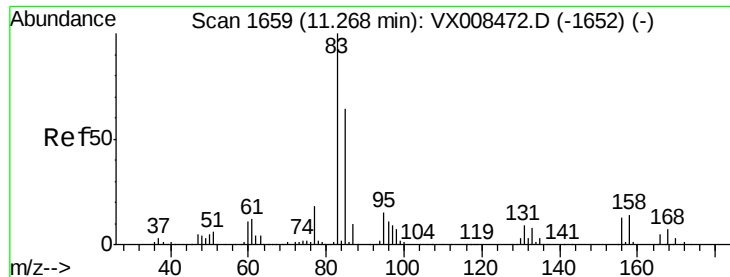
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#70
Isopropylbenzene
Concen: 156.281 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion:105 Resp: 1740049
Ion Ratio Lower Upper
105 100
120 26.0 19.8 36.8





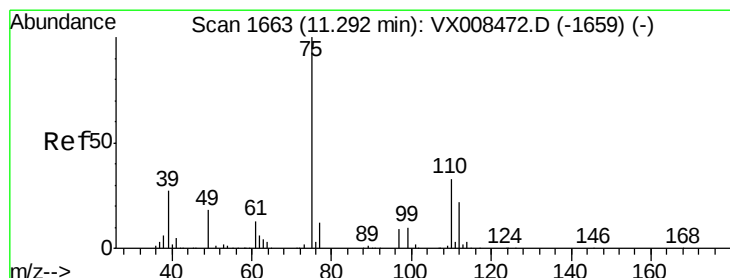
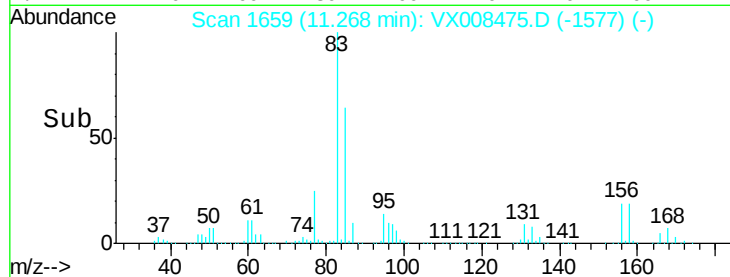
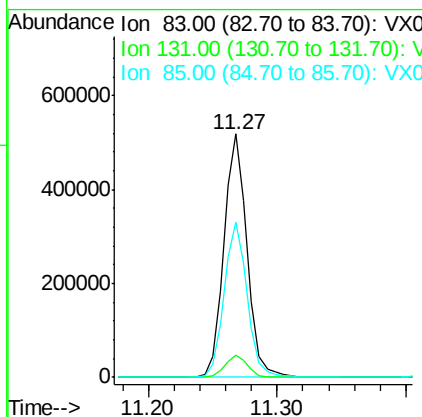
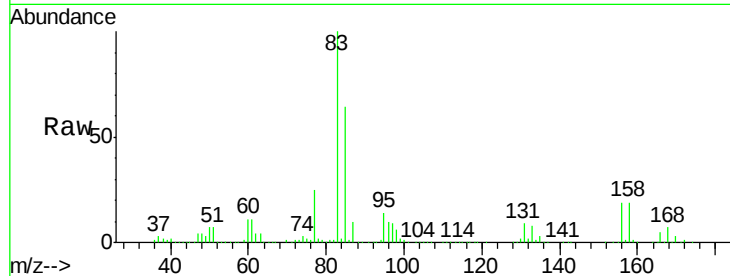
#71
 1,1,2,2-Tetrachloroethane
 Concen: 171.978 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

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

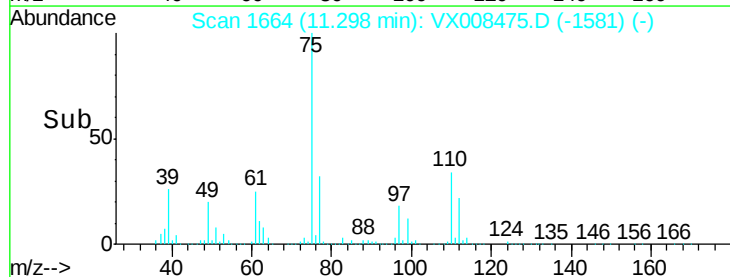
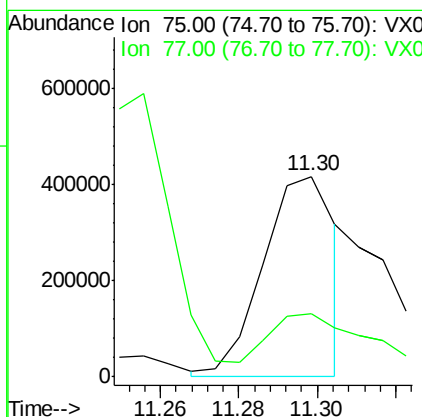
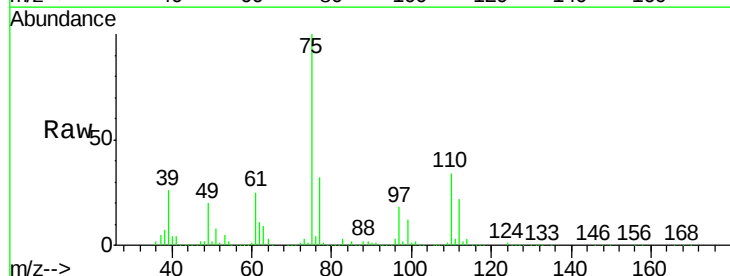
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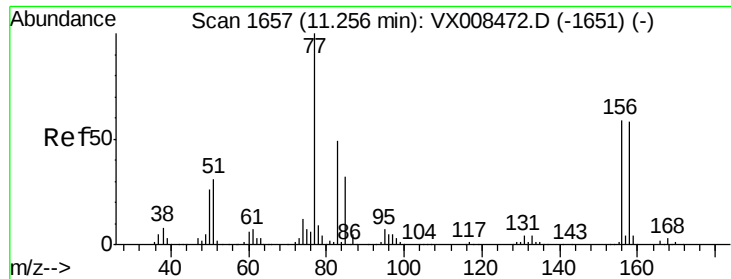
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#72
 1,2,3-Trichloropropane
 Concen: 175.352 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	45.1	0.0	76.4	





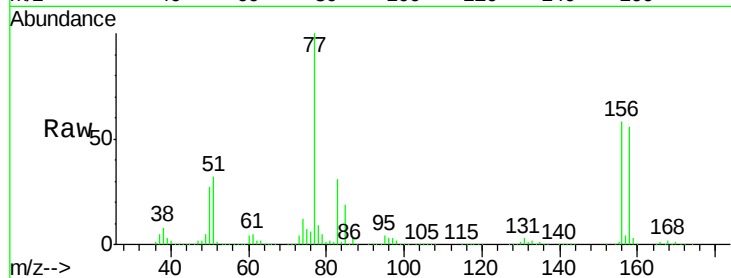
#73
Bromobenzene
Concen: 138.752 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

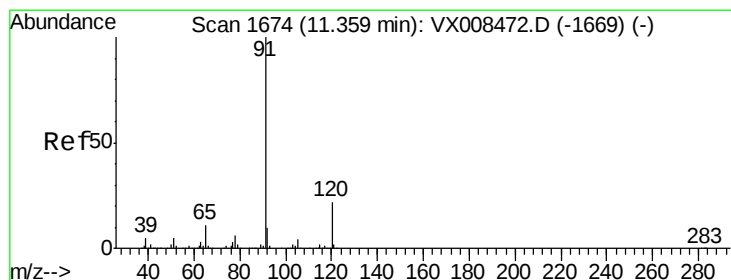
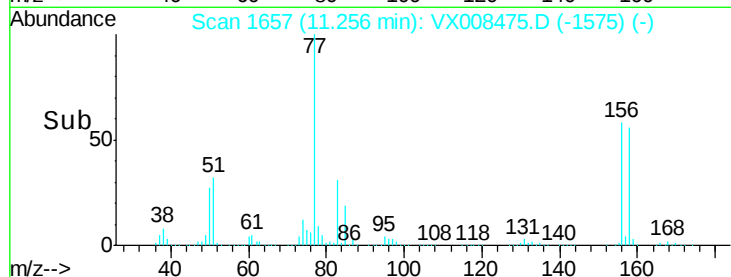
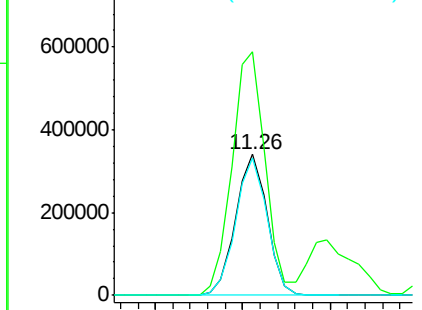
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	182.7	0.0	271.4	
158	97.0	0.0	194.0	

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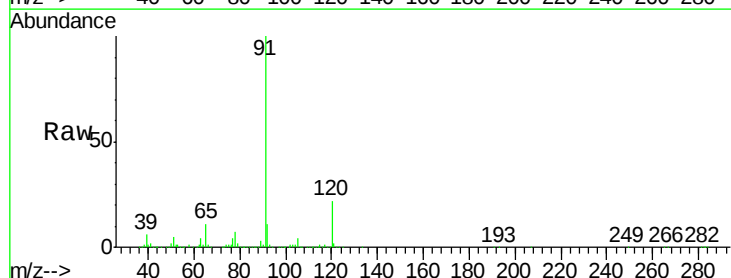


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V

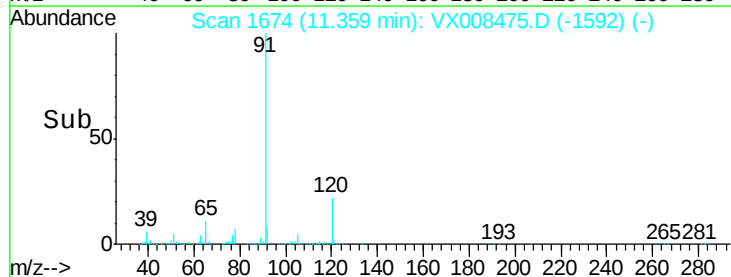
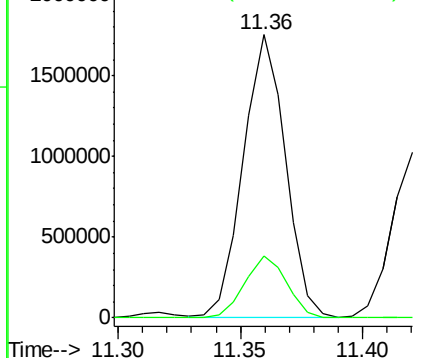


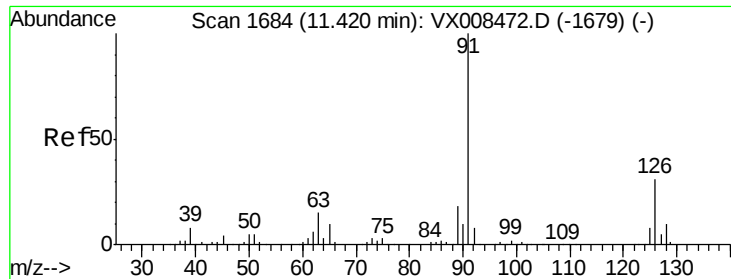
#74
n-propylbenzene
Concen: 170.666 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	0.0	48.6	



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 167.921 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1244561

Ion Ratio Lower Upper

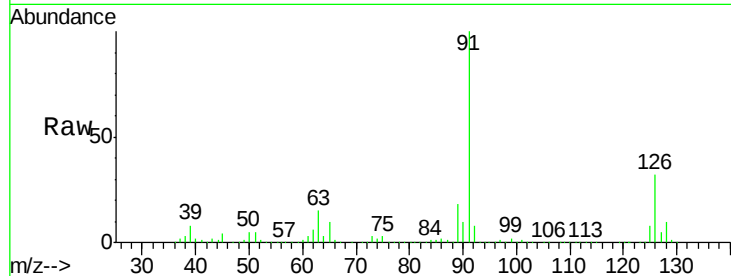
91 100

126 31.6 0.0 75.2

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Abundance Ion 91.00 (90.70 to 91.70): VX008472.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX008472.D (-1679) (-)

2000000

1500000

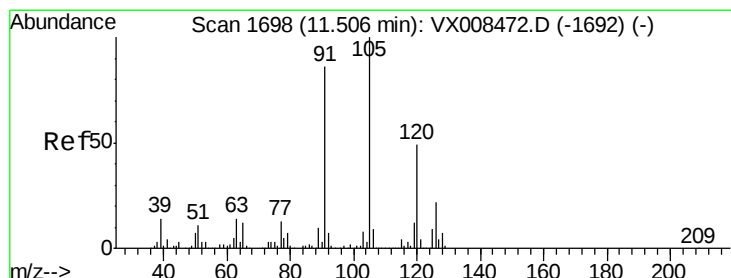
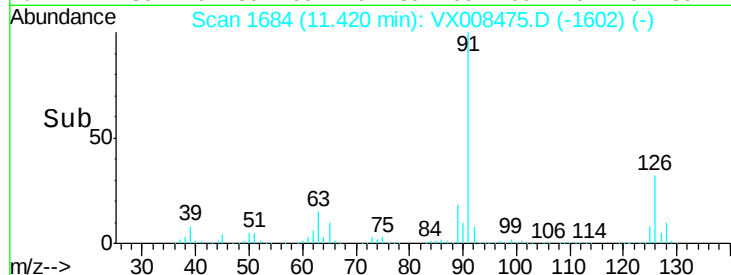
1000000

500000

0

11.40 11.42 11.44 11.46

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 160.145 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008475.D

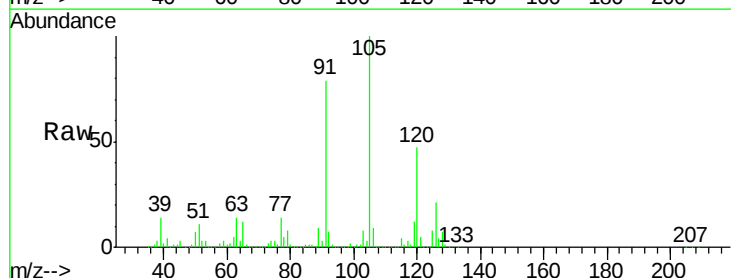
Acq: 27 Mar 2019 11:40

Tgt Ion:105 Resp: 1523240

Ion Ratio Lower Upper

105 100

120 47.5 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008472.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008472.D (-1692) (-)

1500000

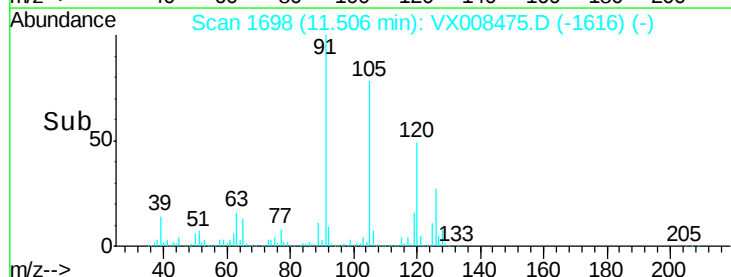
1000000

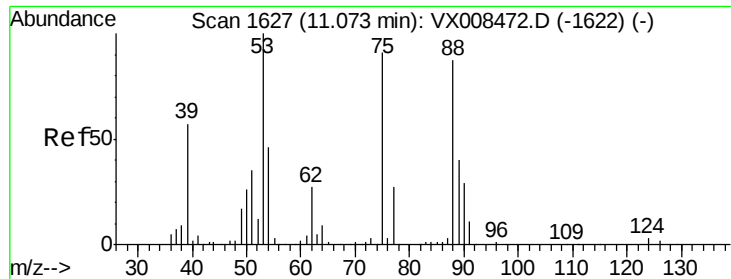
500000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 228.605 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 247684

Ion Ratio Lower Upper

75 100

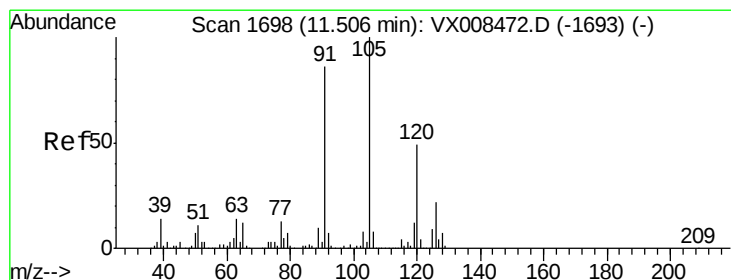
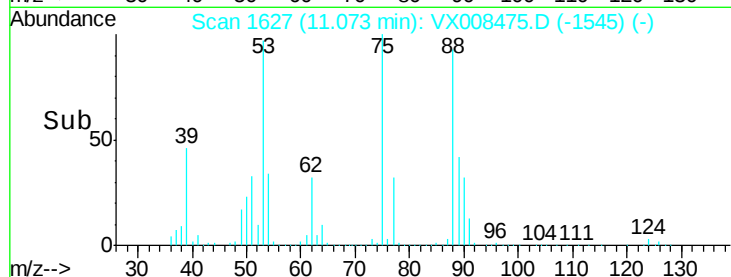
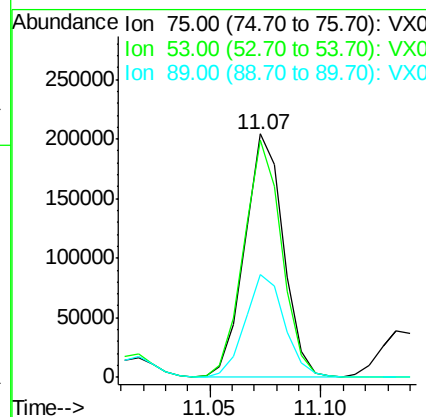
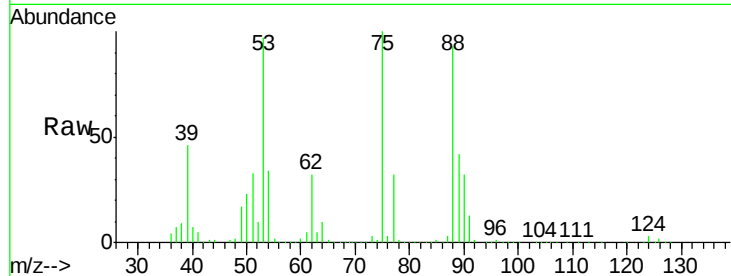
53 97.1 55.5 166.7

89 42.2 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 168.301 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008475.D

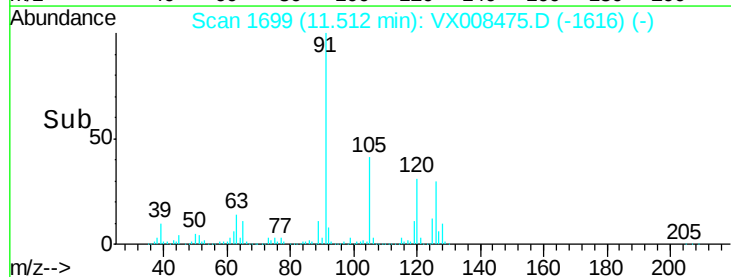
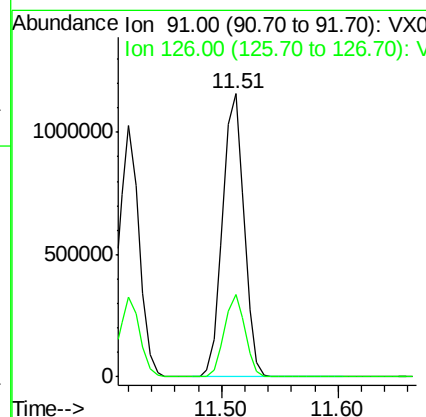
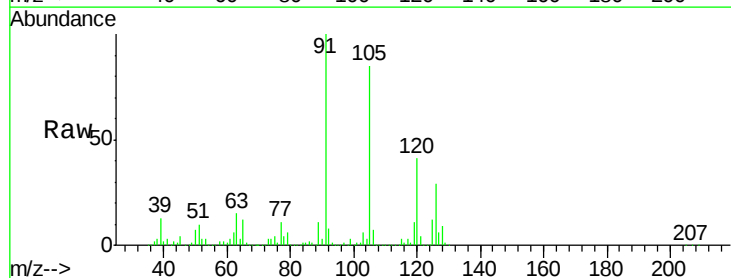
Acq: 27 Mar 2019 11:40

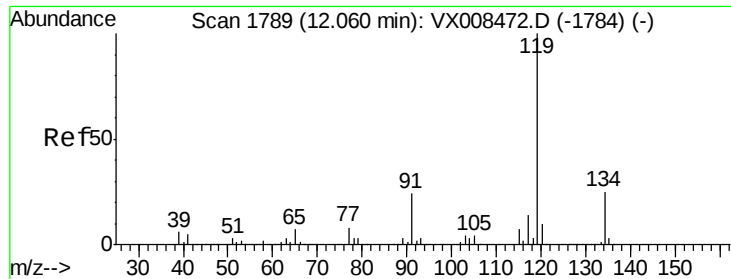
Tgt Ion: 91 Resp: 1468057

Ion Ratio Lower Upper

91 100

126 28.1 0.0 66.2





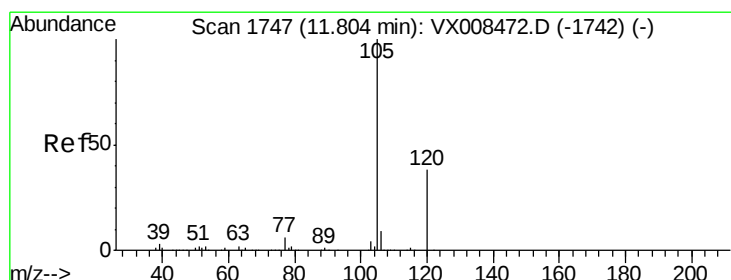
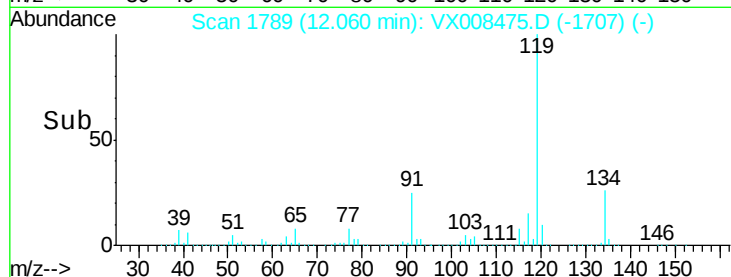
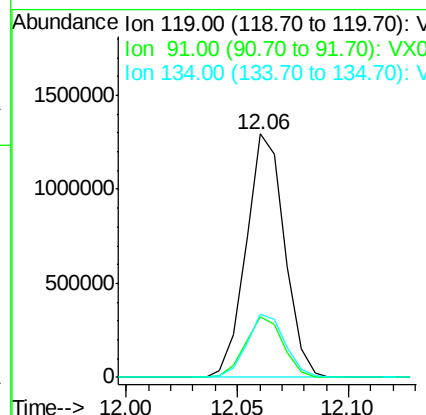
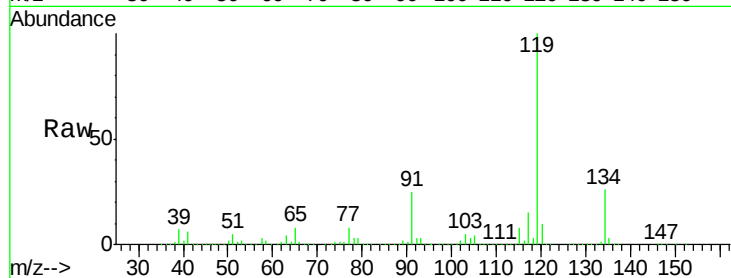
#79
tert-butylbenzene
Concen: 155.097 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1551783
Ion Ratio Lower Upper
119 100
91 24.6 0.0 45.0
134 25.8 0.0 55.4

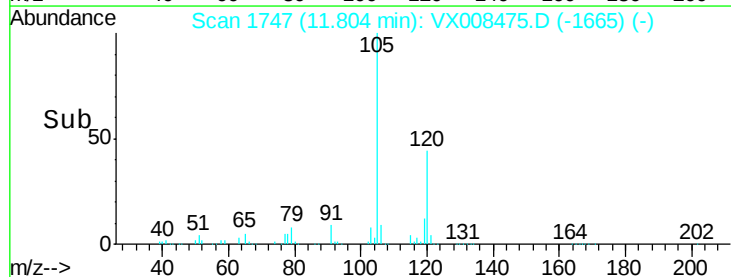
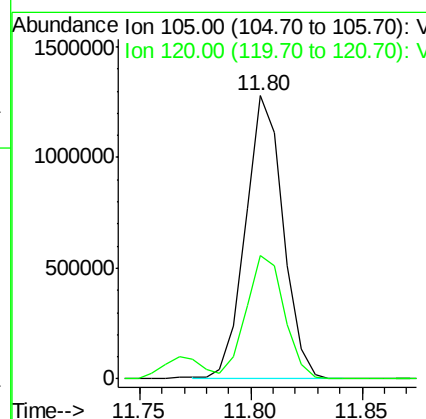
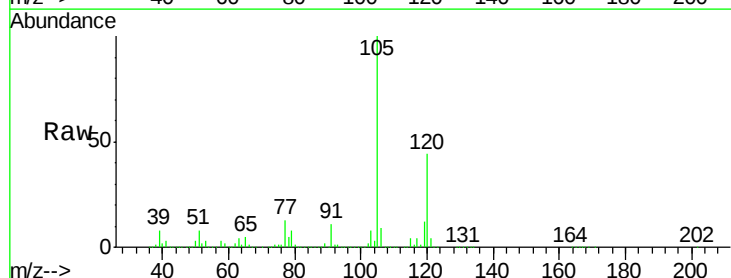
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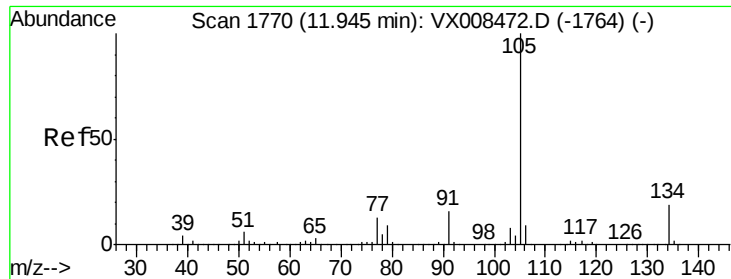
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 159.428 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion:105 Resp: 1506860
Ion Ratio Lower Upper
105 100
120 44.0 0.0 94.0





#81

sec-Butylbenzene

Concen: 159.215 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1727339

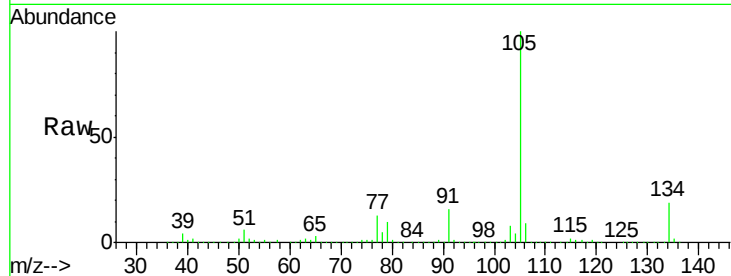
Ion Ratio Lower Upper

105 100

134 19.1 0.0 41.8

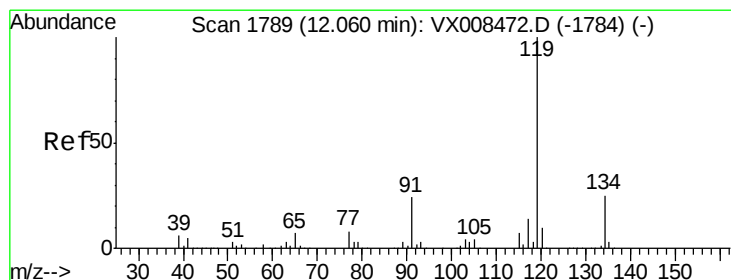
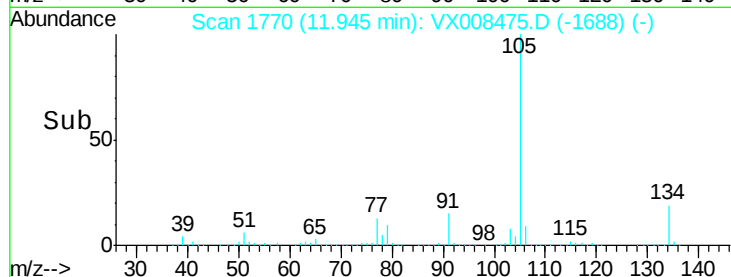
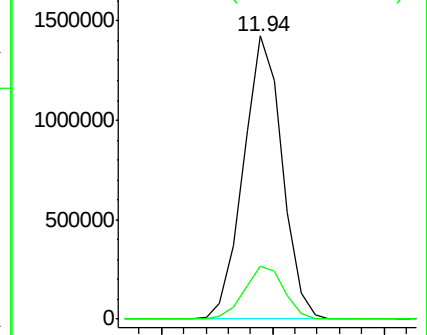
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 155.097 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

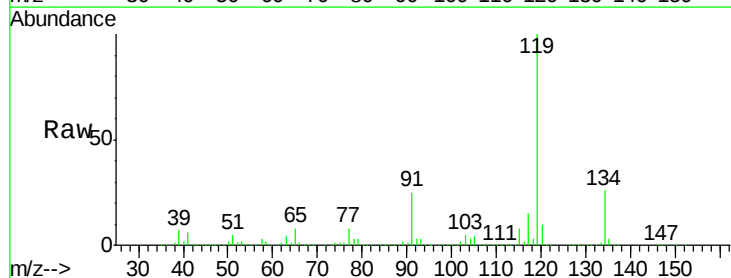
Tgt Ion:119 Resp: 1551783

Ion Ratio Lower Upper

119 100

134 25.8 0.0 55.4

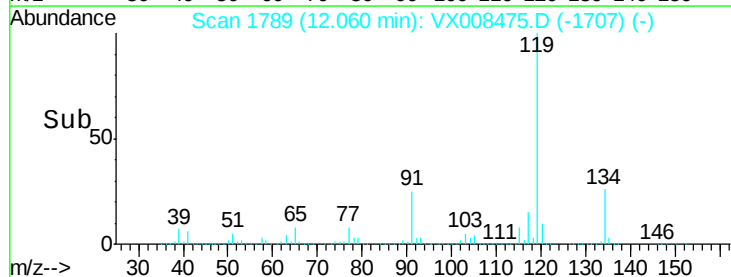
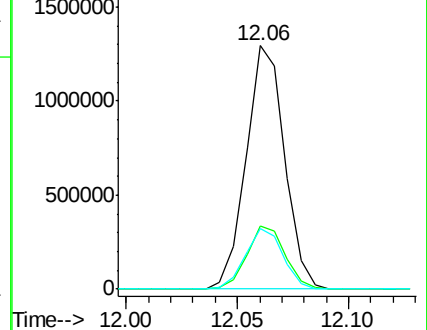
91 24.6 0.0 45.0

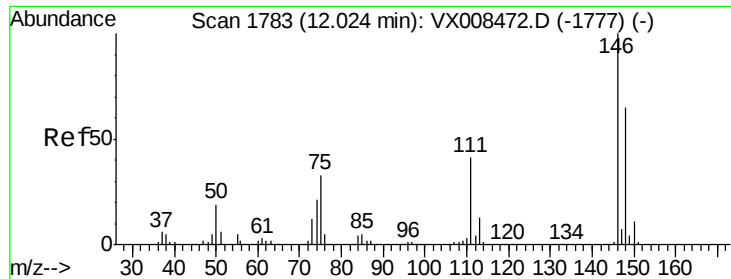


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 141.678 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

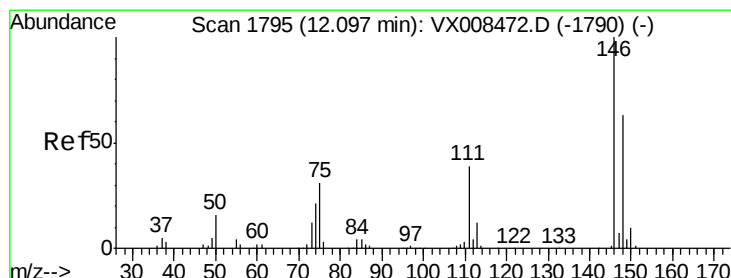
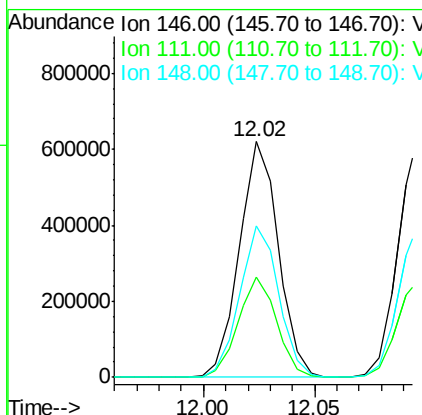
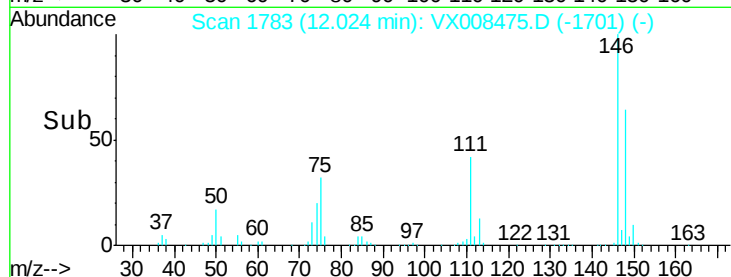
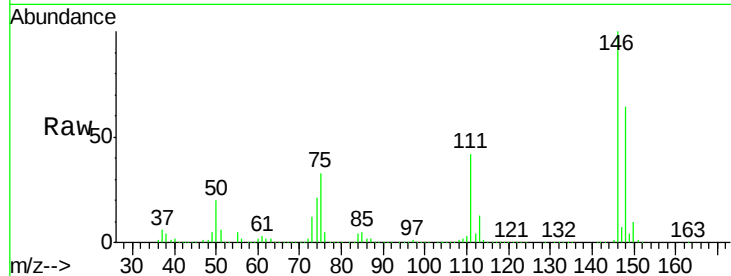
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	757528
Ion Ratio	Lower	Upper	
146	100		
111	41.9	18.8	56.3
148	64.3	30.6	91.8

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#84

1,4-Dichlorobenzene

Concen: 142.387 ug/l

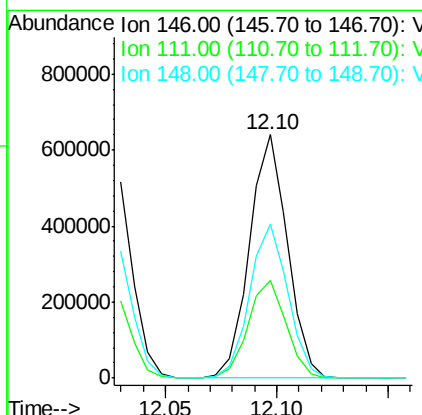
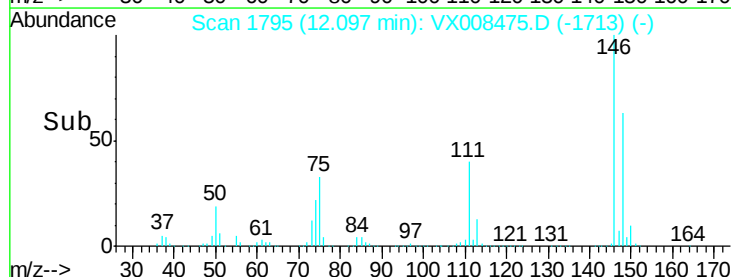
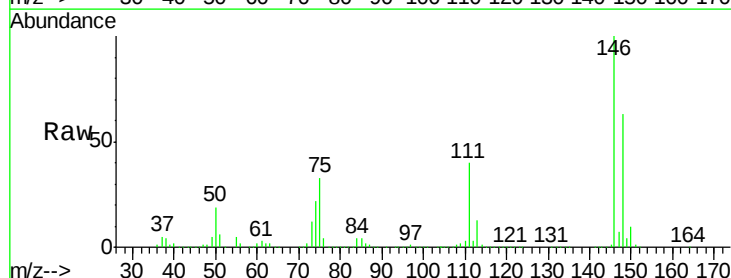
RT: 12.10 min Scan# 1795

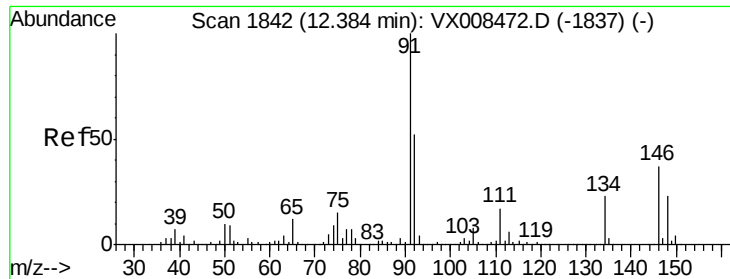
Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Tgt Ion:	146	Resp:	758150
Ion Ratio	Lower	Upper	
146	100		
111	40.6	17.6	52.8
148	63.8	31.4	94.2





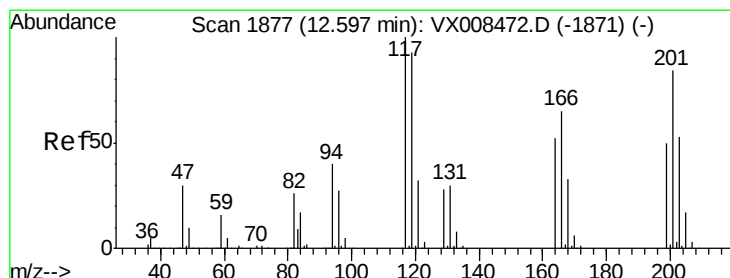
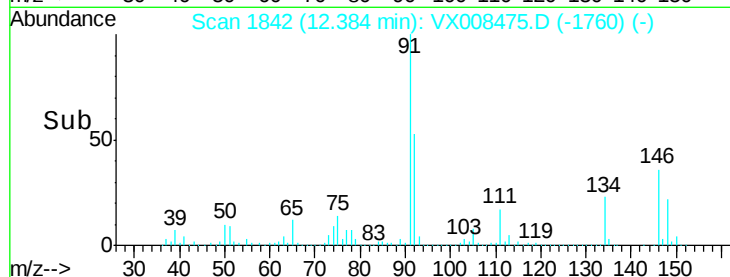
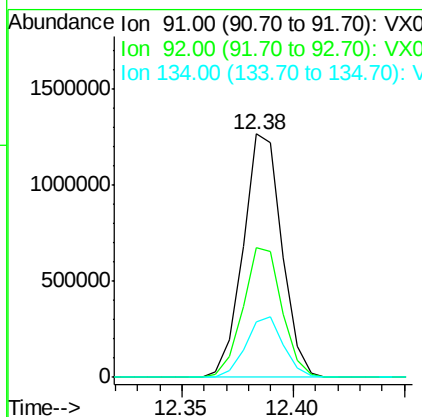
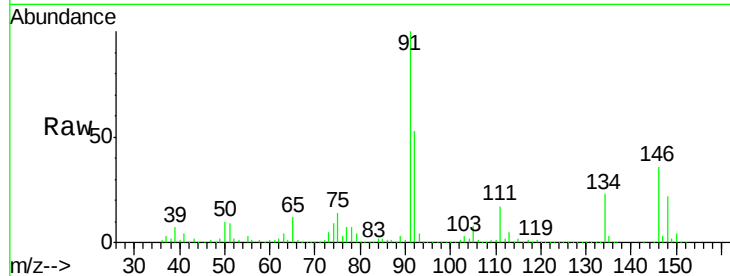
#85
n-Butylbenzene
Concen: 179.021 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1540710
Ion Ratio Lower Upper
91 100
92 53.4 0.0 105.2
134 24.2 0.0 56.4

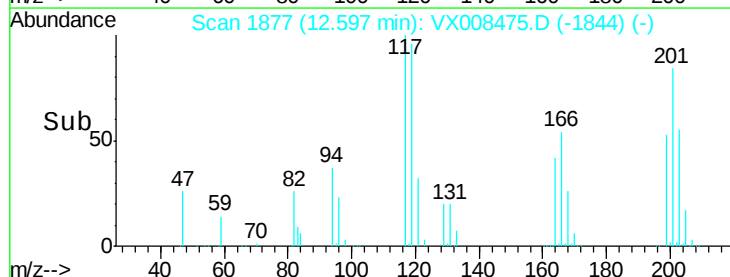
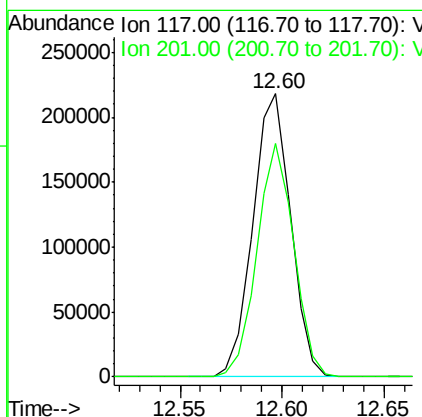
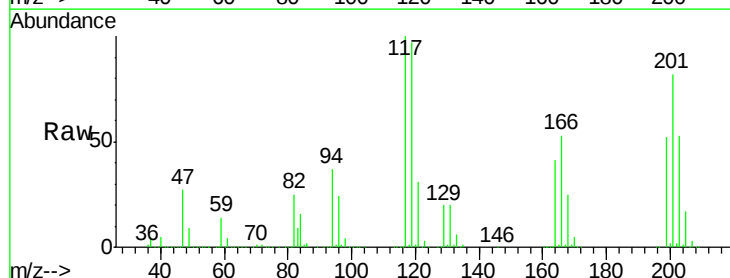
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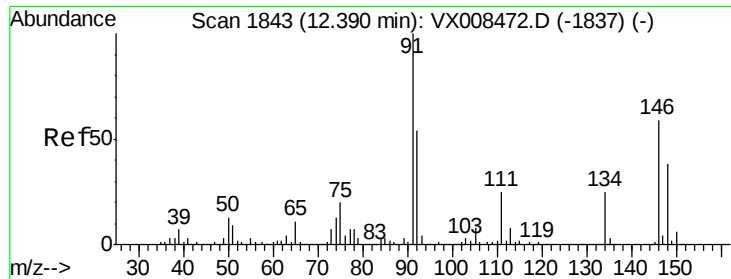
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#86
Hexachloroethane
Concen: 163.242 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008475.D
Acq: 27 Mar 2019 11:40

Tgt Ion: 117 Resp: 281491
Ion Ratio Lower Upper
117 100
201 80.0 41.1 123.3





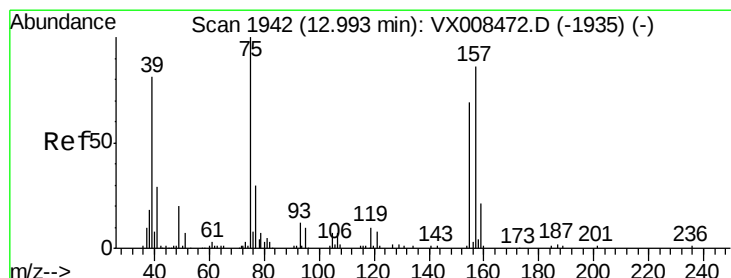
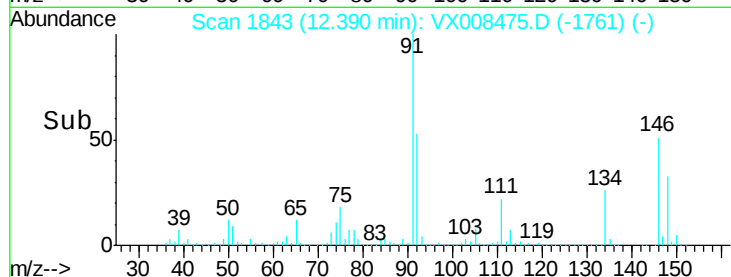
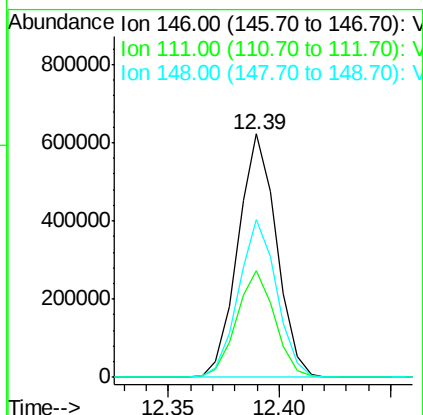
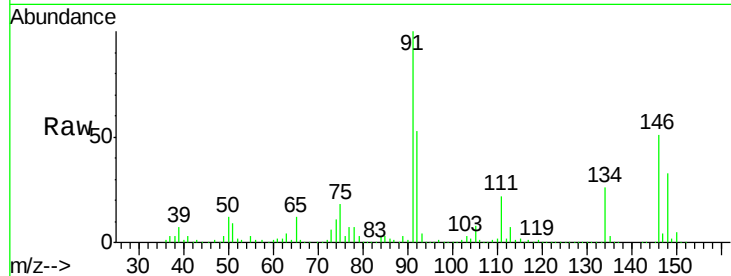
#87
 1,2-Dichlorobenzene
 Concen: 142.748 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	19.3	57.8
148	63.9	32.1	96.3

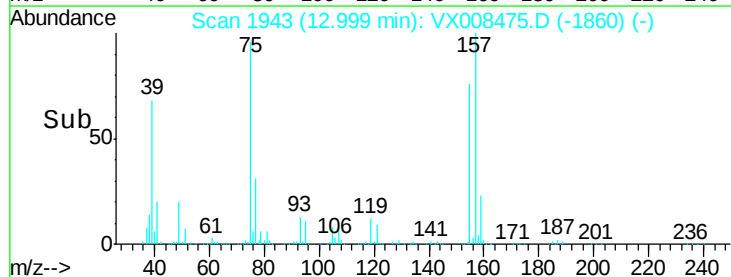
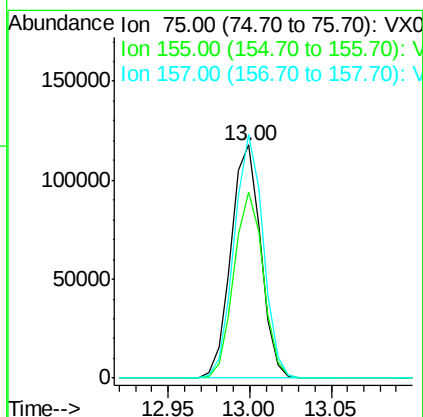
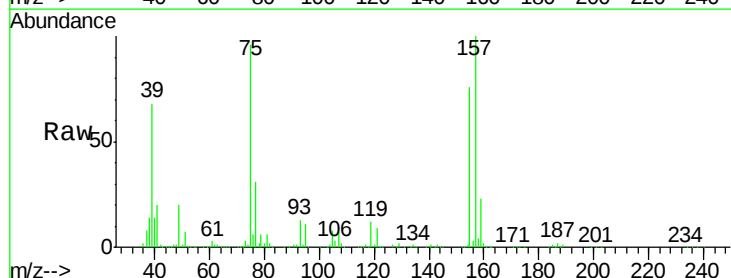
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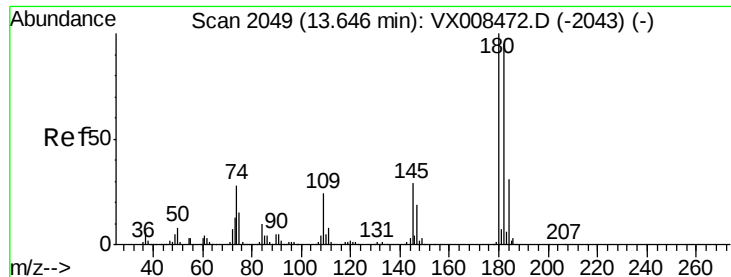
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 171.678 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	81.0	121.6#
157	102.1	103.2	154.8#





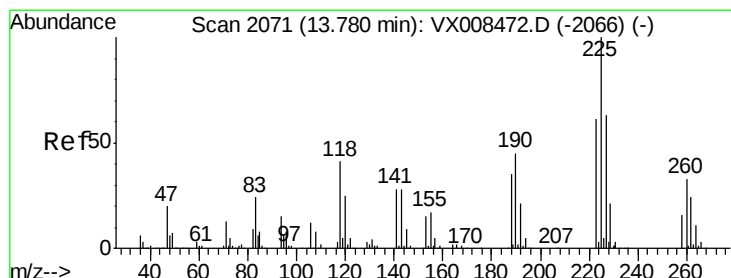
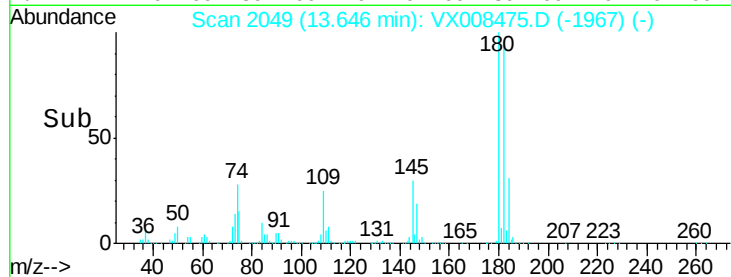
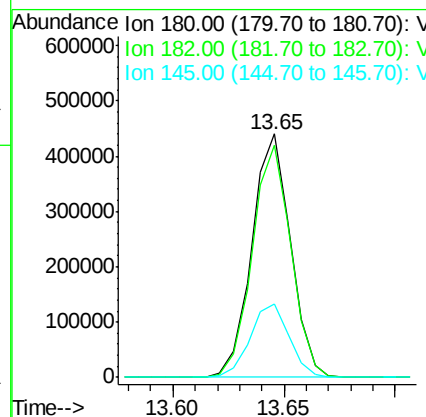
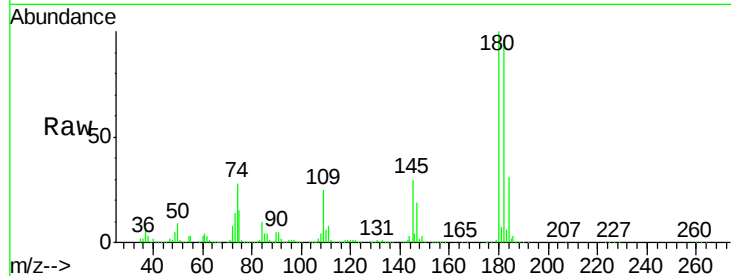
#89
 1,2,4-Trichlorobenzene
 Concen: 142.665 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	532422		
182	95.4	75.6	113.4	
145	30.6	23.0	34.6	

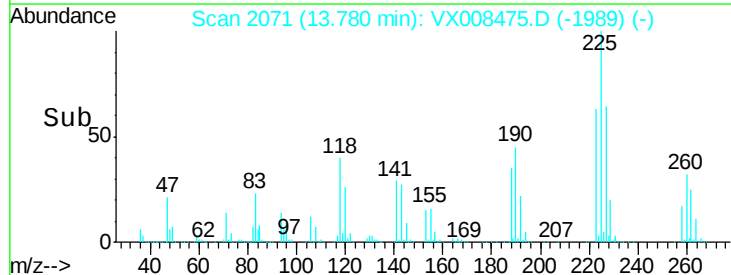
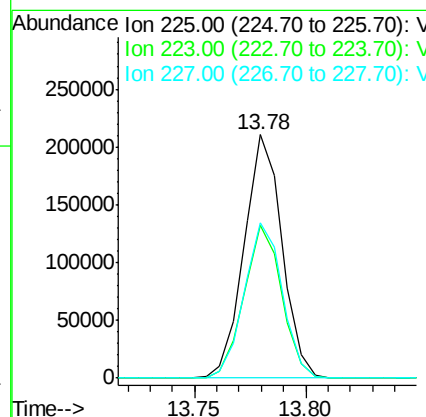
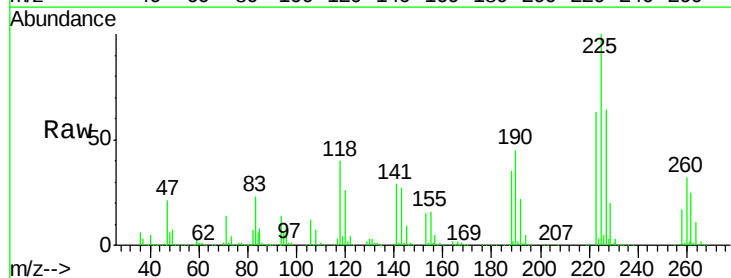
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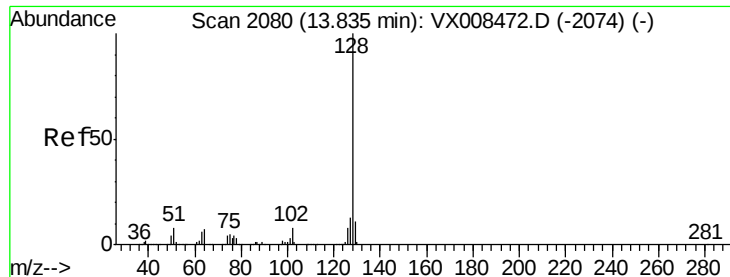
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 133.264 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008475.D
 Acq: 27 Mar 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	250363		
223	62.6	0.0	123.8	
227	64.2	0.0	124.4	





#91

Naphthalene

Concen: 157.536 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1765776

Ion Ratio Lower Upper

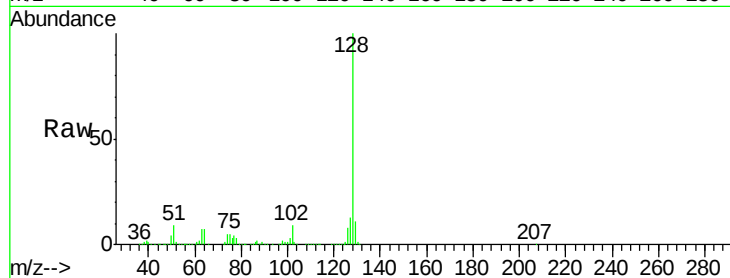
128 100

127 13.1 10.5 15.7

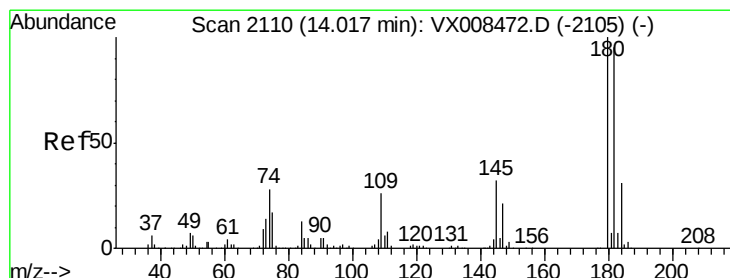
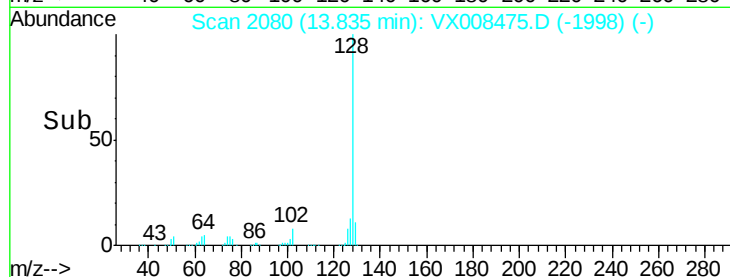
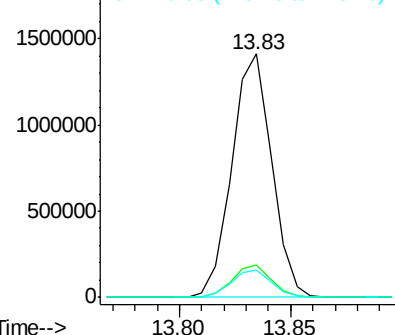
129 11.0 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
3/28/2019 9:37:20 AM



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: 138.482 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008475.D

Acq: 27 Mar 2019 11:40

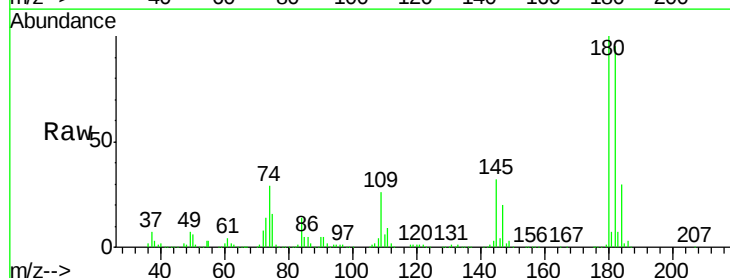
Tgt Ion:180 Resp: 522471

Ion Ratio Lower Upper

180 100

182 95.4 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

