

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016008.D
 Acq On : 01 May 2020 14:00
 Operator : JC/SP
 Sample : VX0501WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0501WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:19:55 PM

Quant Time: May 02 07:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	280469	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	260458	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	119101	30.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.60%
60) 4-Bromofluorobenzene	11.12	95	128044	29.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.73%
63) Toluene-d8	8.70	98	332134	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	67207	19.379	ug/l 100
3) Chloromethane	1.31	50	63497	18.687	ug/l 99
4) Vinyl Chloride	1.39	62	71162	18.433	ug/l 98
5) Bromomethane	1.63	94	48534	20.511	ug/l 98
6) Chloroethane	1.72	64	45896	18.135	ug/l 98
7) Trichlorofluoromethane	1.92	101	100193	18.119	ug/l 100
8) Diethyl Ether	2.17	74	41310	18.717	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	53534	18.747	ug/l 99
10) 1,1-Dichloroethene	2.36	96	52893	18.359	ug/l 99
11) Methyl Iodide	2.49	142	69960	17.787	ug/l 99
12) Methyl Acetate	2.75	43	99604	19.801	ug/l 100
13) Acrolein	2.27	56	31014	76.910	ug/l 97
14) Acrylonitrile	3.11	53	177575	95.571	ug/l 99
15) Acetone	2.42	58	48103	97.825	ug/l 96
16) Carbon Disulfide	2.55	76	159855	18.238	ug/l 98
17) Allyl chloride	2.70	41	98857	18.497	ug/l 96
18) Methylene Chloride	2.83	84	61772	19.139	ug/l 100
19) trans-1,2-Dichloroethene	3.14	96	57647	18.294	ug/l 97
20) Diisopropyl ether	3.82	45	191134	18.548	ug/l # 88
21) 1,1-Dichloroethane	3.67	63	106037	18.454	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	65465	18.307	ug/l 100
23) tert-Butyl Alcohol	3.00	59	88012	96.767	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	197964	19.134	ug/l 99
25) Chloroform	5.17	83	107699	18.455	ug/l 98
26) Cyclohexane	5.55	56	95942	18.260	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	80232	18.189	ug/l 99
30) 2-Butanone	4.63	43	253756	96.543	ug/l 99
31) 2,2-Dichloropropane	4.55	77	92502	17.425	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	96280	17.993	ug/l 99
33) Carbon Tetrachloride	5.75	117	85712	17.990	ug/l 97
34) Benzene	6.11	78	237246	18.414	ug/l 98
35) Methacrylonitrile	5.00	41	53715	19.244	ug/l 94
36) 1,2-Dichloroethane	6.16	62	92812	18.863	ug/l 98
37) Trichloroethene	7.19	130	87453	19.080	ug/l 98
38) Methylcyclohexane	7.44	83	98717	18.312	ug/l 100
39) 1,2-Dichloropropane	7.49	63	61973	18.738	ug/l 98
40) Dibromomethane	7.64	93	42725	18.604	ug/l 99

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Manual Integrations
 APPROVED

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 5/4/2020 2:19:55 PM

Quant Time: May 02 07:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	85670	18.095	ug/l	100
42) Vinyl Acetate	3.78	43	813462	93.547	ug/l	100
43) Ethyl Acetate	4.79	43	98380	18.975	ug/l	99
44) Isopropyl Acetate	6.41	43	157911	18.768	ug/l	99
45) 1,4-Dioxane	7.71	88	34325	386.222	ug/l	99
46) Methyl methacrylate	7.74	41	74278	18.622	ug/l	94
47) n-amyl Acetate	10.88	43	131899	17.928	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	100505	18.281	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	104061	18.320	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	59488	18.381	ug/l	98
51) Ethyl methacrylate	9.16	69	98433	18.419	ug/l	96
52) 1,3-Dichloropropane	9.35	76	106311	19.003	ug/l	99
53) Dibromochloromethane	9.57	129	66827	18.150	ug/l	98
54) 1,2-Dibromoethane	9.65	107	64671	18.182	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	267747	92.093	ug/l	100
56) Bromoform	10.84	173	48070	17.327	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	484454	94.320	ug/l	99
59) 2-Hexanone	9.47	43	370683	93.432	ug/l	99
61) Tetrachloroethene	9.32	164	94697	18.380	ug/l	96
62) Toluene	8.76	91	255436	18.357	ug/l	100
64) Chlorobenzene	10.12	112	158556	17.896	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	59718	17.755	ug/l	99
66) Ethyl Benzene	10.24	91	287088	18.119	ug/l	100
67) m/p-Xylenes	10.34	106	218784	36.246	ug/l	98
68) o-Xylene	10.68	106	104927	18.026	ug/l	98
69) Styrene	10.70	104	175905	17.657	ug/l	100
70) Isopropylbenzene	11.00	105	279172	17.764	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	45358	15.526	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	89228m	18.857	ug/l	
73) Bromobenzene	11.24	156	71996	18.180	ug/l	100
74) n-propylbenzene	11.34	91	325106	17.810	ug/l	100
75) 2-Chlorotoluene	11.40	91	189679	17.683	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	234603	17.587	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	34935	17.171	ug/l	99
78) 4-Chlorotoluene	11.49	91	226236	17.818	ug/l	100
79) tert-butylbenzene	11.76	119	200943	17.638	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	237279	17.804	ug/l	99
81) sec-Butylbenzene	11.93	105	271545	17.672	ug/l	100
82) p-Isopropyltoluene	12.05	119	251847	17.686	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	126254	17.683	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	127566	17.981	ug/l	100
85) n-Butylbenzene	12.37	91	228768	17.588	ug/l	98
86) Hexachloroethane	12.58	117	42947	17.132	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	123403	17.871	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	22032	18.022	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	87675	17.238	ug/l	97
90) Hexachlorobutadiene	13.77	225	40335	18.452	ug/l	98
91) Naphthalene	13.82	128	292792	18.082	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	88778	18.169	ug/l	97

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Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

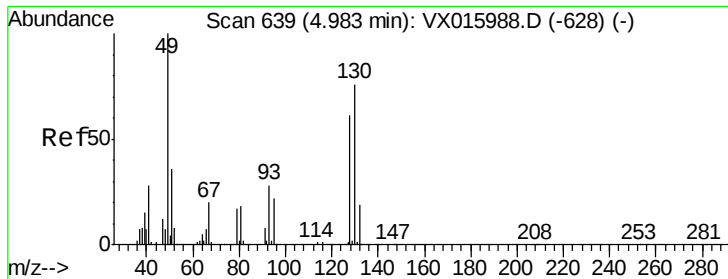
Manual Integrations
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5/4/2020 2:19:55 PM

Quant Time: May 02 07:27:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:42:44 2020
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

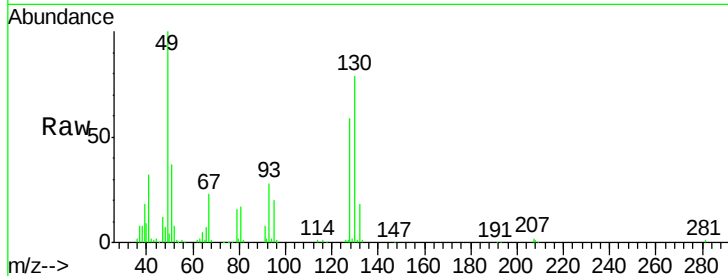
ClientSampleId :

VX0501WBSD02

Tot Ion:	128	Resp:	50349
Ion	Ratio	Lower	Upper
128	100		
49	167.4	0.0	418.5
130	131.2	0.0	326.3

Manual Integrations
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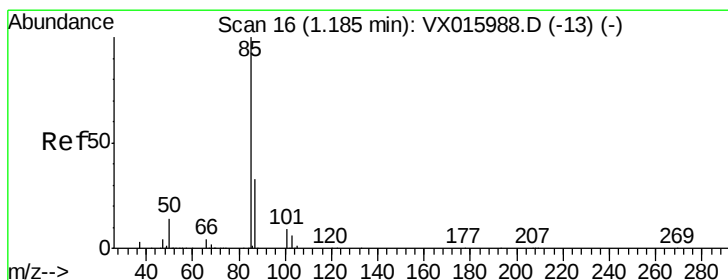
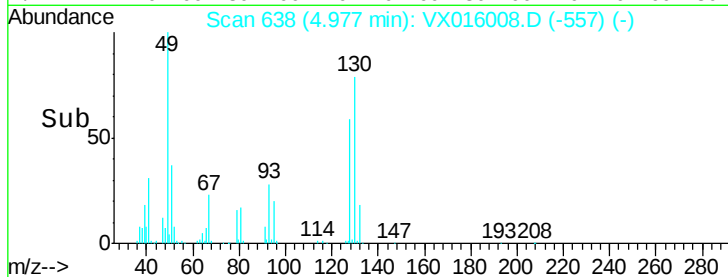
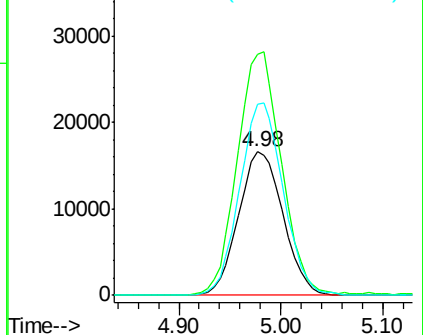
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.379 ug/l

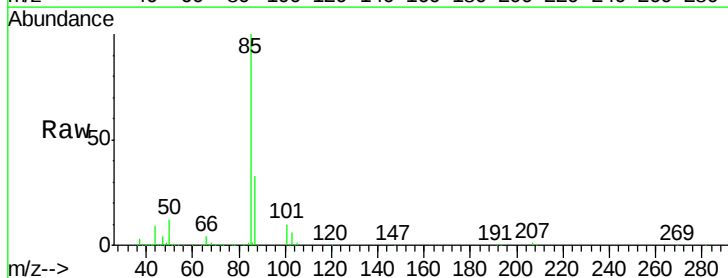
RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016008.D

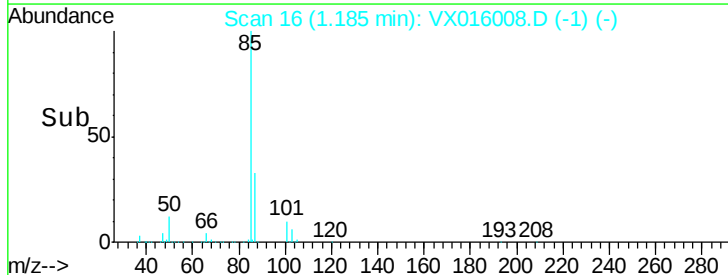
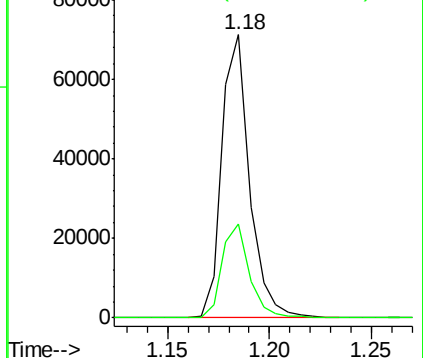
Acq: 01 May 2020 14:00

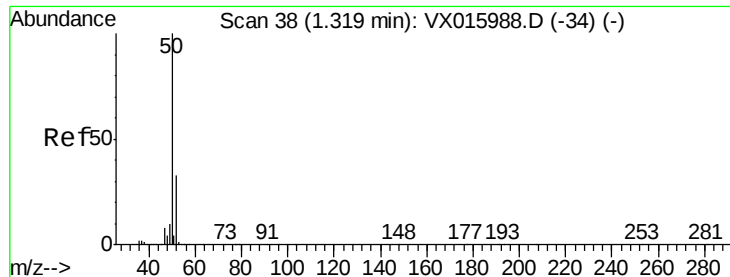
Tgt Ion:	85	Resp:	67207
Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.687 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion: 50 Resp: 63497

Ion Ratio Lower Upper

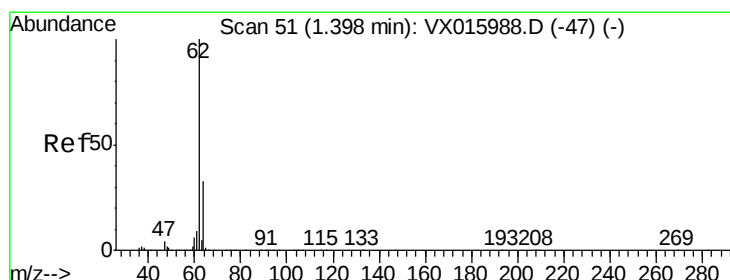
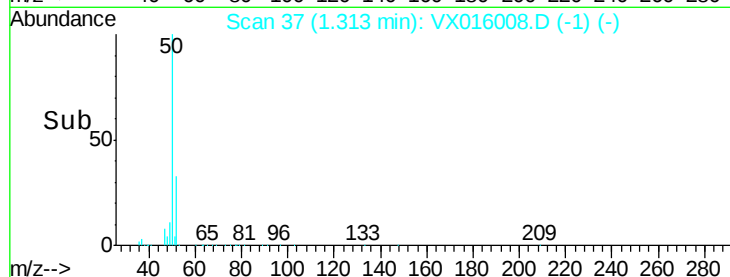
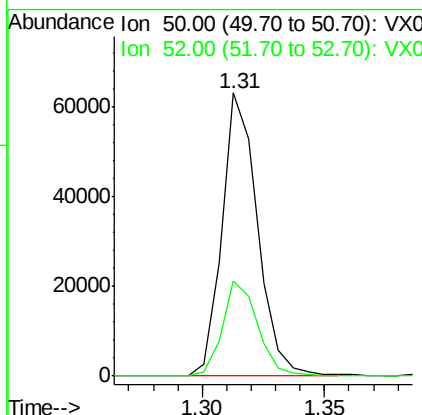
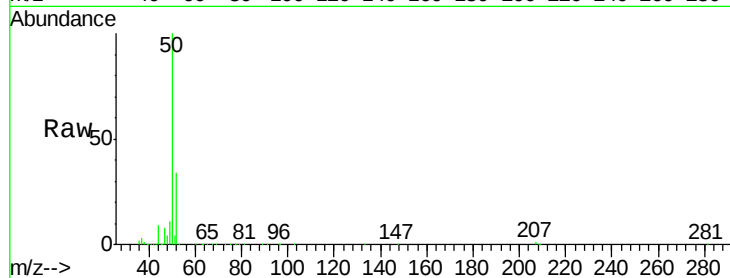
50 100

52 33.5 26.5 39.7

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#4

Vinyl Chloride

Concen: 18.433 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX016008.D

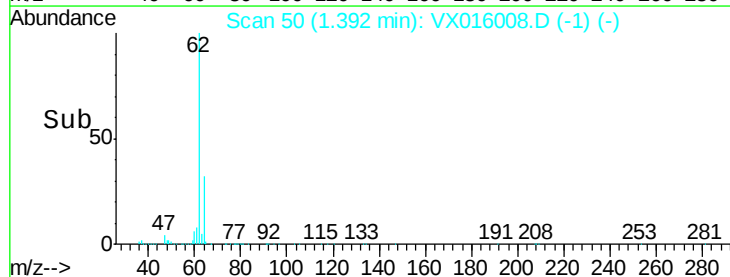
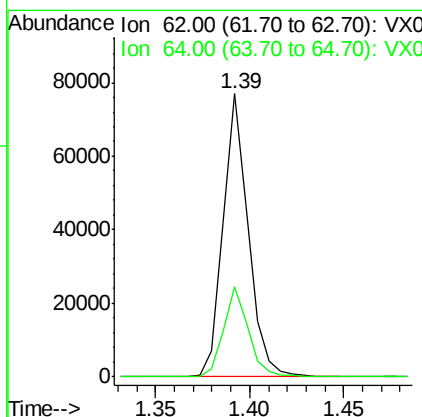
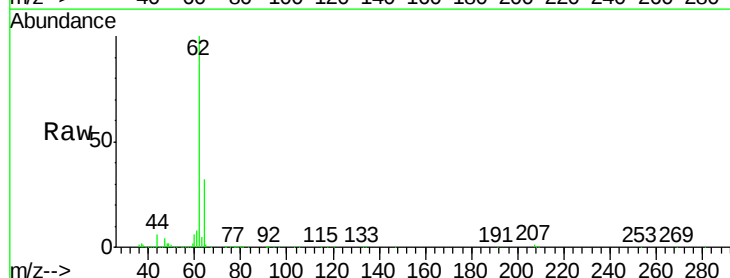
Acq: 01 May 2020 14:00

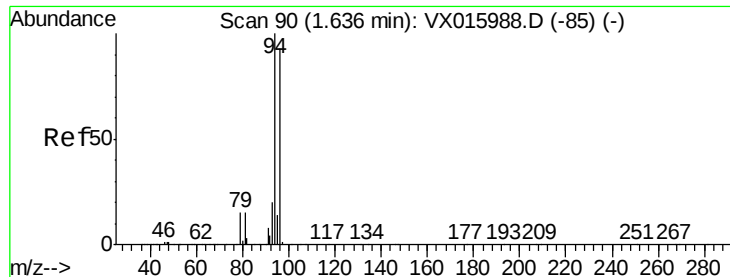
Tgt Ion: 62 Resp: 71162

Ion Ratio Lower Upper

62 100

64 32.0 26.3 39.5





#5

Bromomethane

Concen: 20.511 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion: 94 Resp: 48534

Ion Ratio Lower Upper

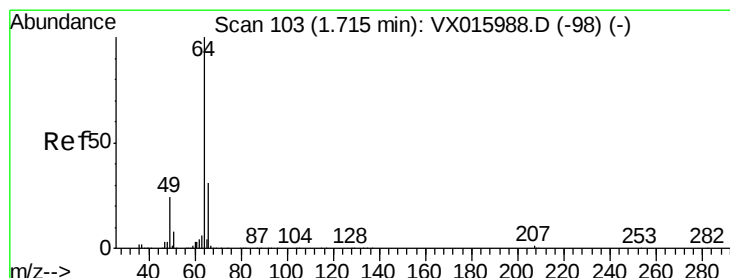
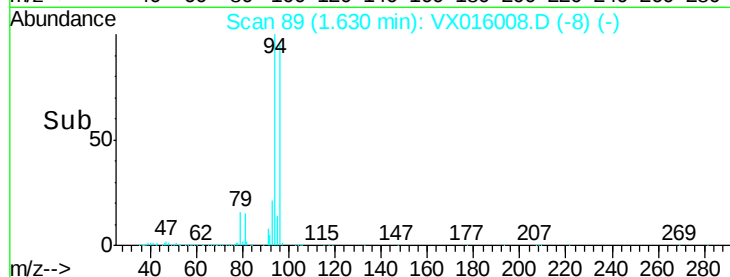
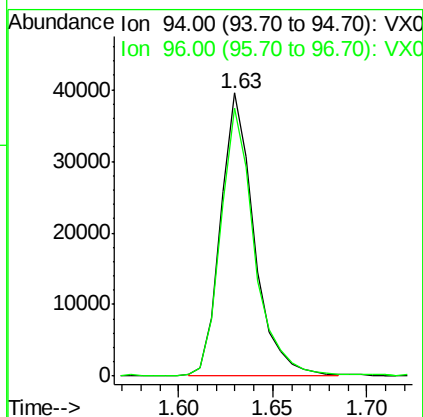
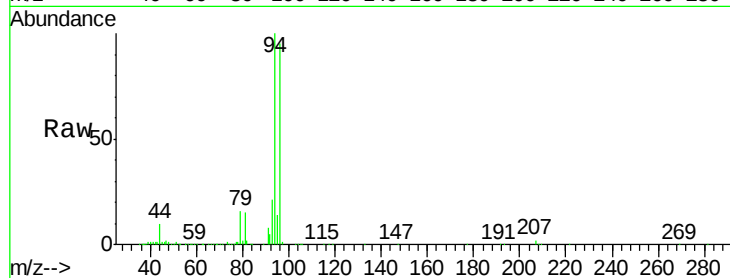
94 100

96 94.6 74.2 111.2

Manual Integrations
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#6

Chloroethane

Concen: 18.135 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX016008.D

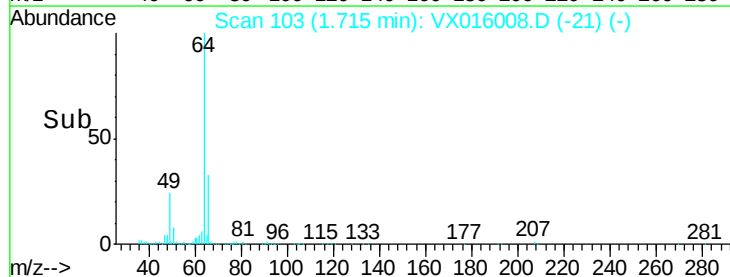
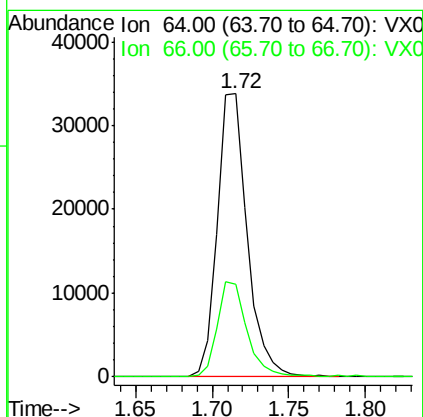
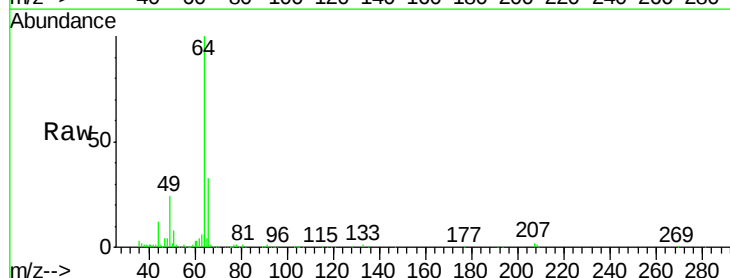
Acq: 01 May 2020 14:00

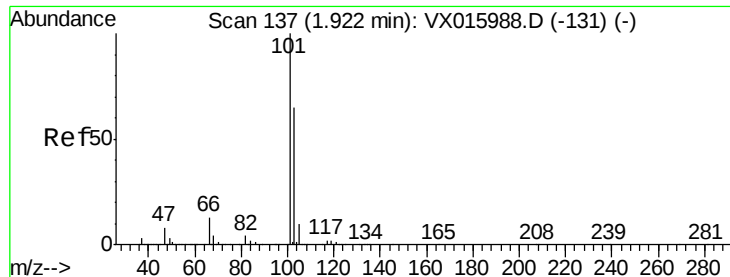
Tgt Ion: 64 Resp: 45896

Ion Ratio Lower Upper

64 100

66 32.3 24.9 37.3





#7

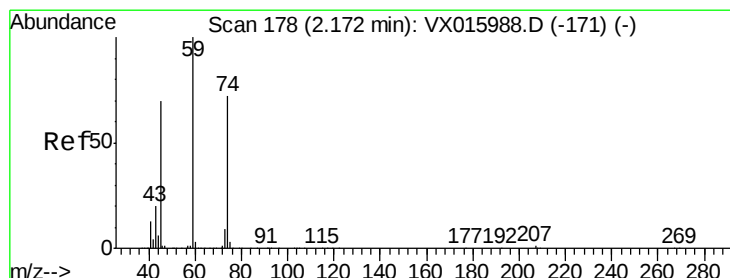
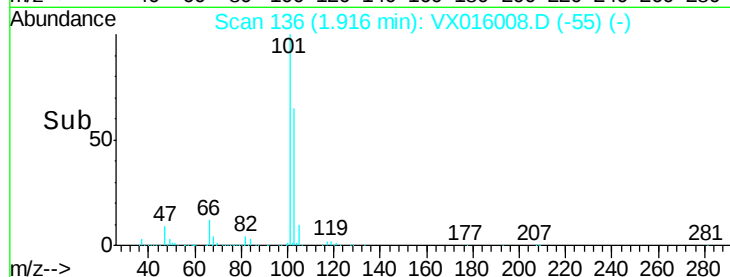
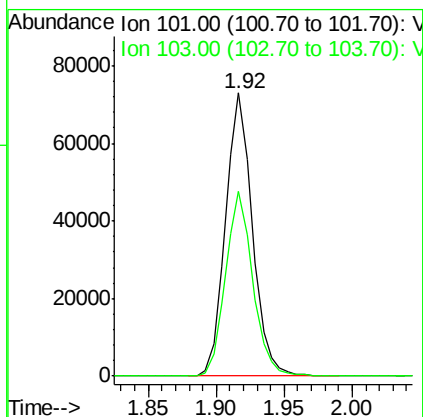
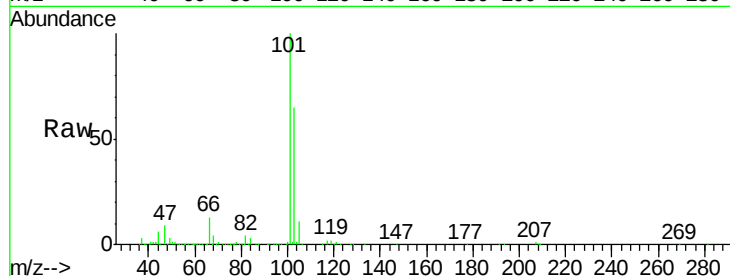
Trichlorofluoromethane
Concen: 18.119 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
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ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.8

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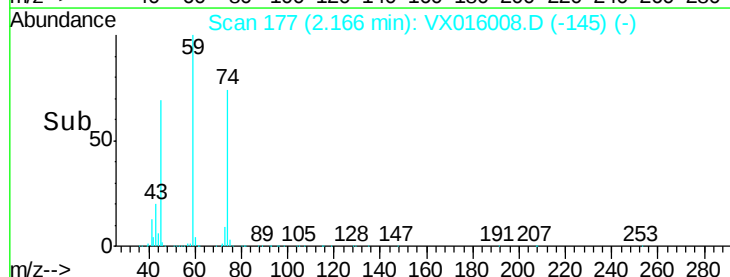
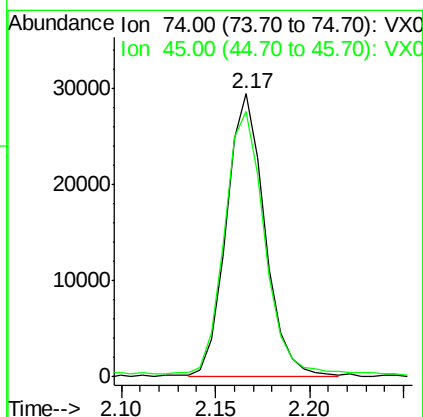
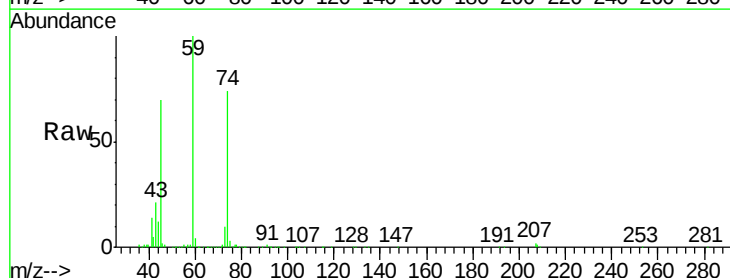
MMDadoda
5/4/2020 2:19:55 PM

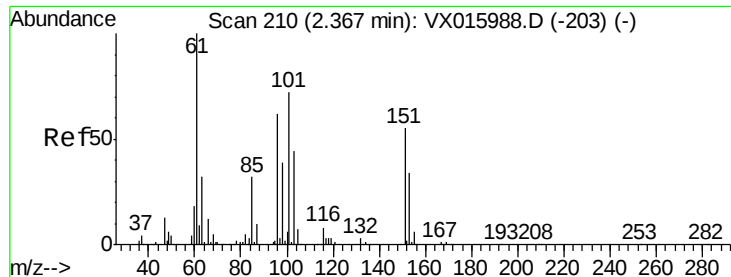


#8

Diethyl Ether
Concen: 18.717 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	19.4	174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.747 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

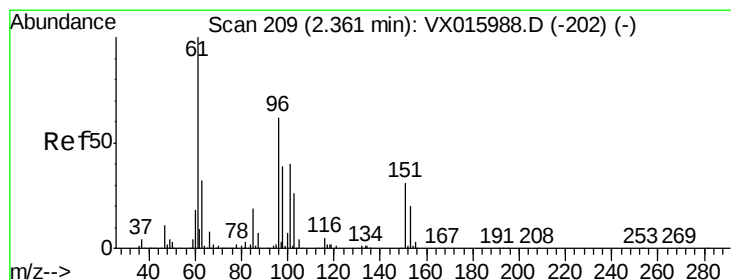
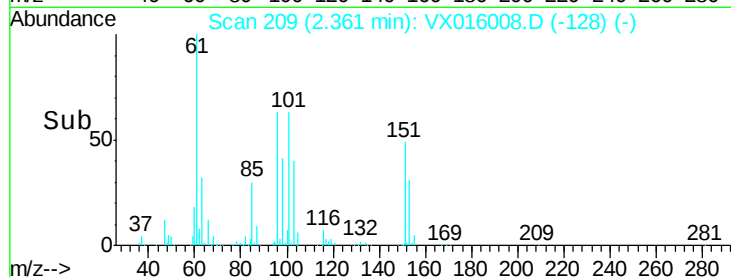
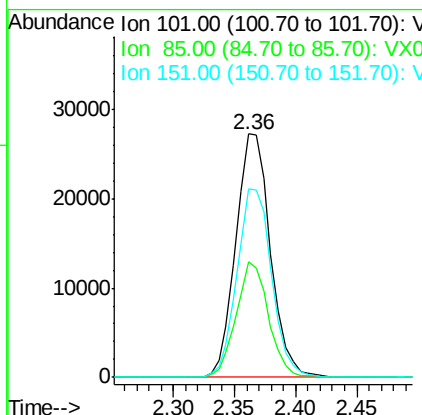
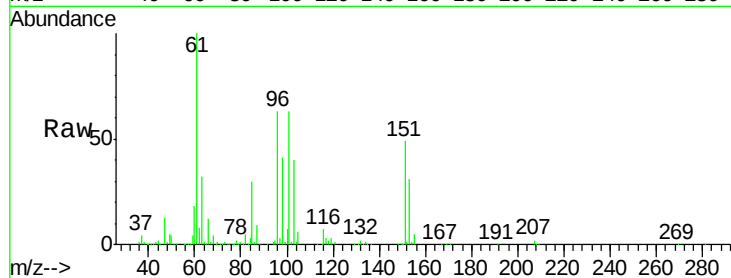
ClientSampleId :

VX0501WBSD02

Tot Ion:	101	Resp:	53534
Ion Ratio	Lower	Upper	
101	100		
85	44.2	0.0	90.6
151	77.8	0.0	157.0

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 18.359 ug/l

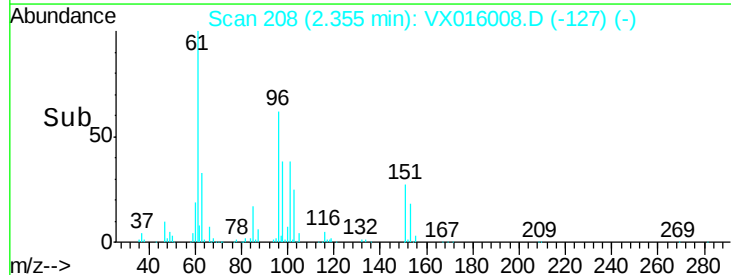
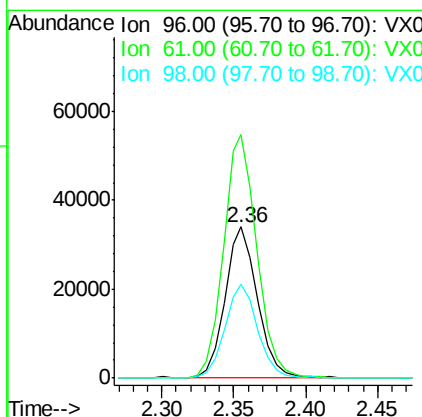
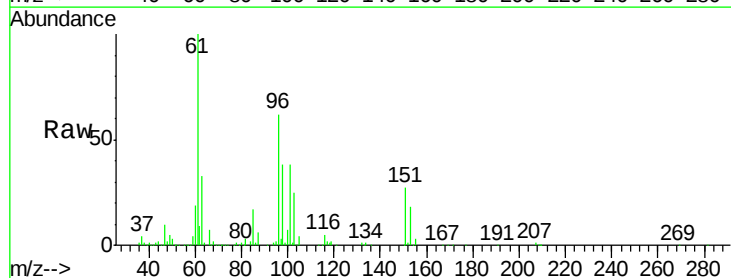
RT: 2.36 min Scan# 208

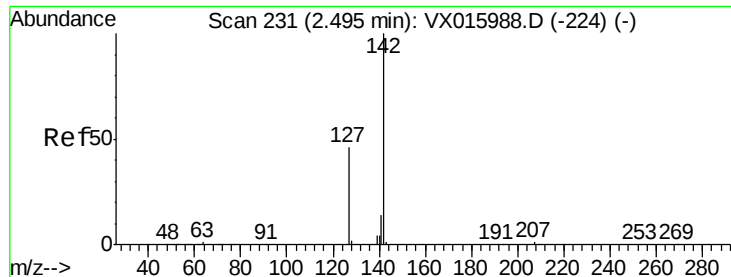
Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	96	Resp:	52893
Ion Ratio	Lower	Upper	
96	100		
61	161.4	129.8	194.8
98	62.1	51.1	76.7





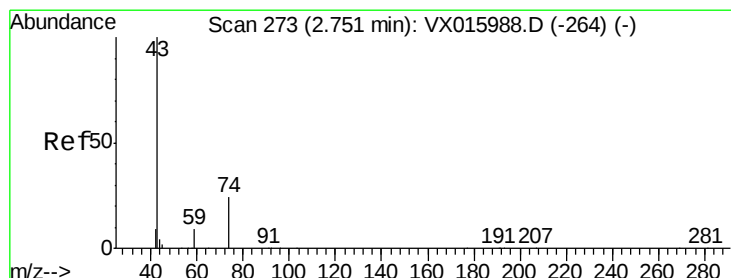
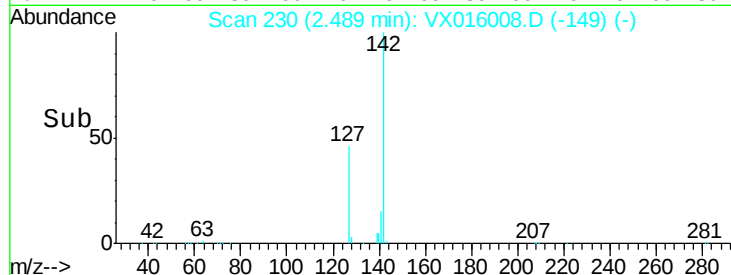
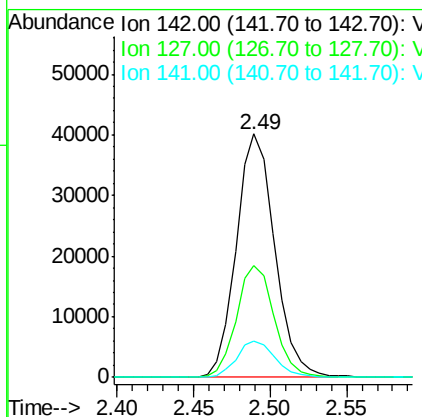
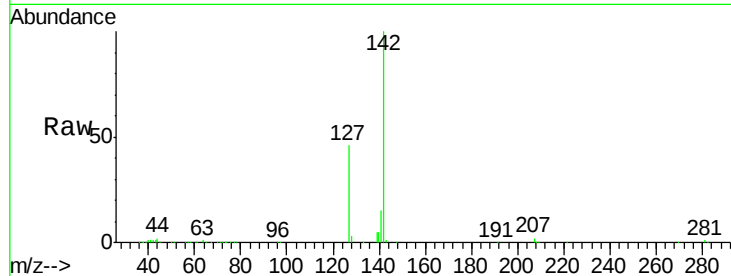
#11
Methvl Iodide
Concen: 17.787 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.0	22.8	68.4
141	15.1	7.0	21.1

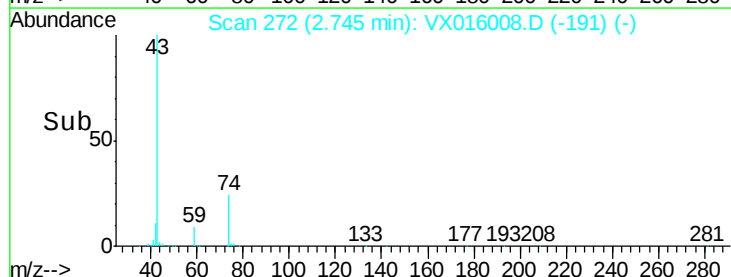
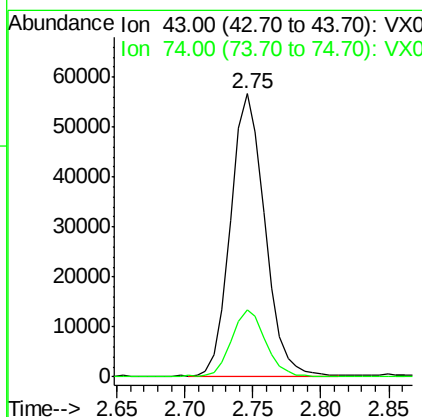
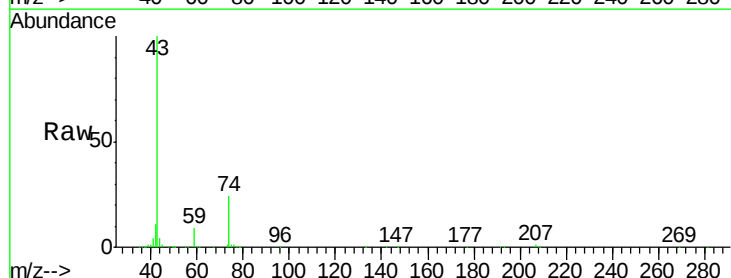
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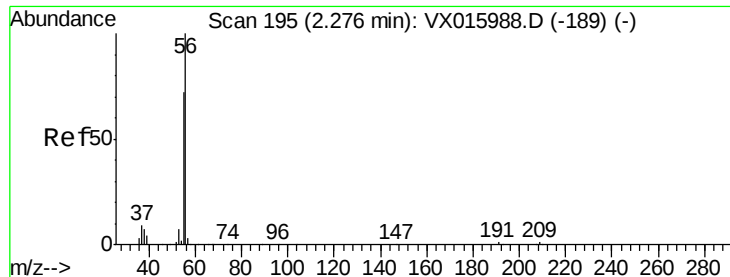
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#12
Methyl Acetate
Concen: 19.801 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.4





#13

Acrolein

Concen: 76.910 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion: 56 Resp: 31014

Ion Ratio Lower Upper

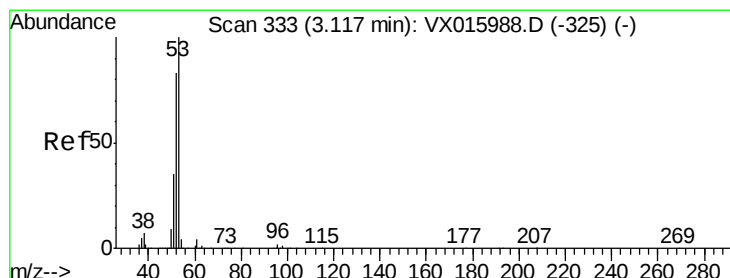
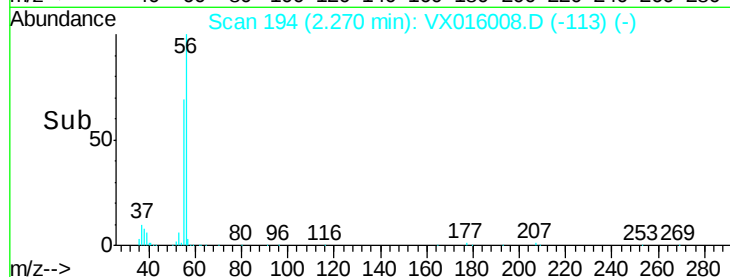
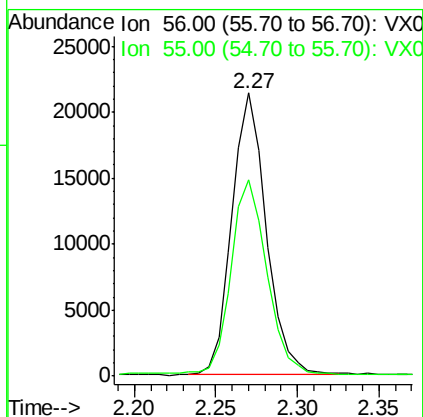
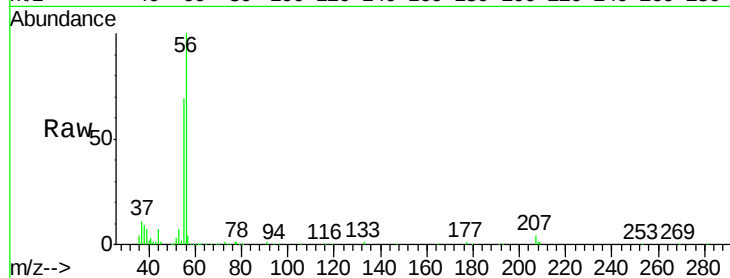
56 100

55 73.1 56.2 84.4

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#14

Acrylonitrile

Concen: 95.571 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

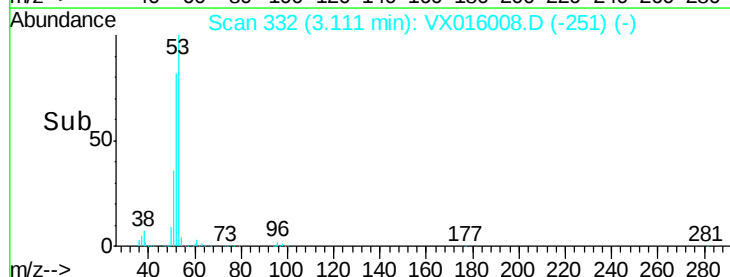
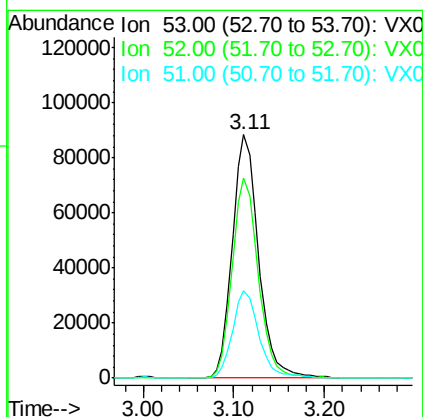
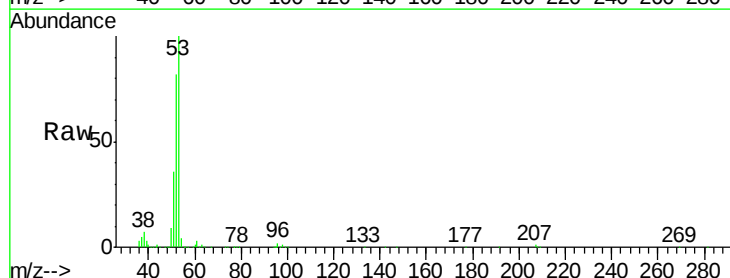
Tgt Ion: 53 Resp: 177575

Ion Ratio Lower Upper

53 100

52 81.5 41.2 123.6

51 36.2 17.8 53.5





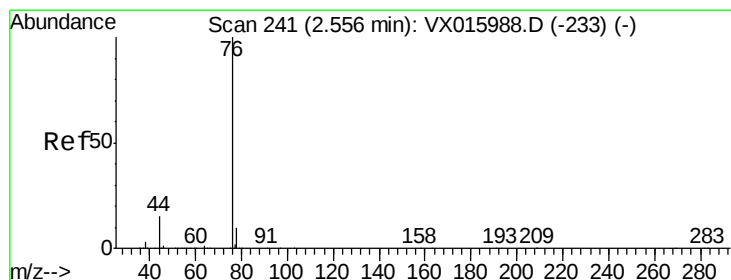
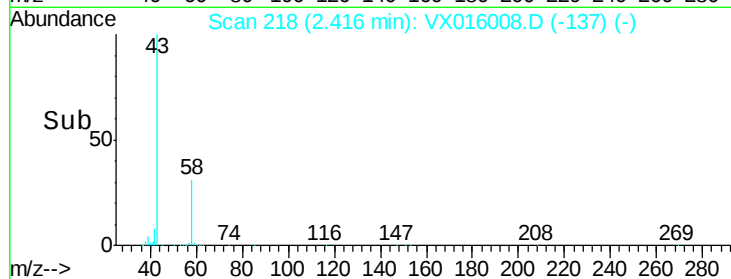
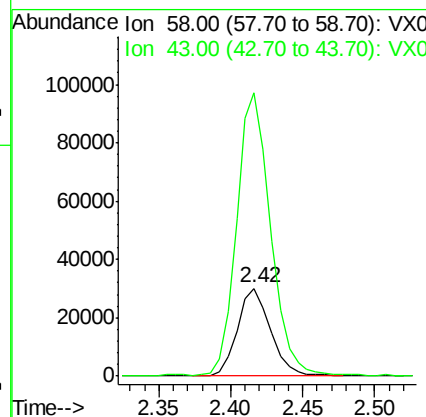
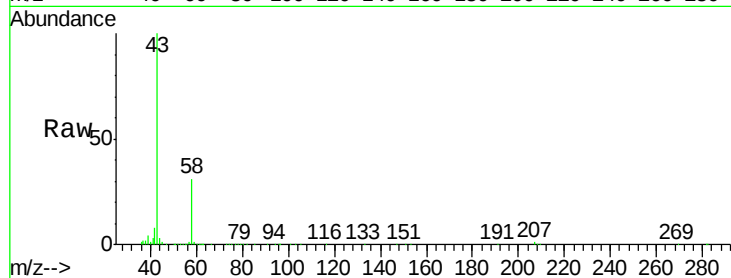
#15
Acetone
Concen: 97.825 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
58	100			
43	321.6	264.2	396.2	

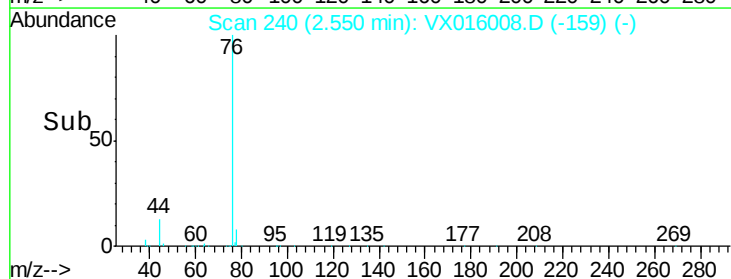
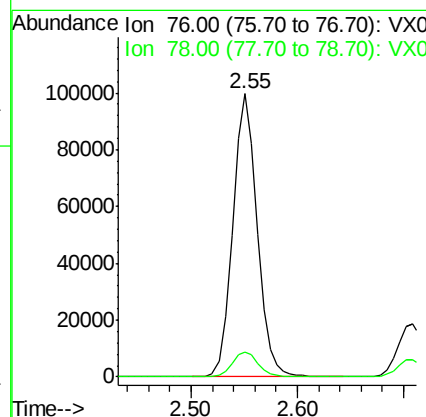
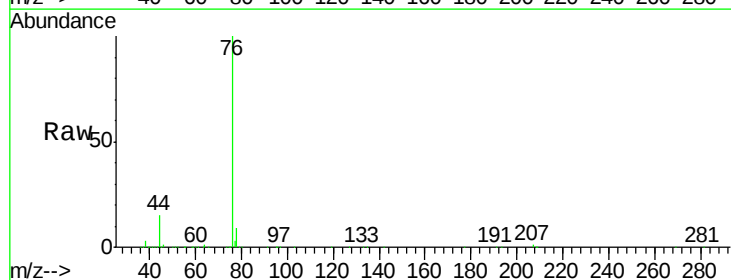
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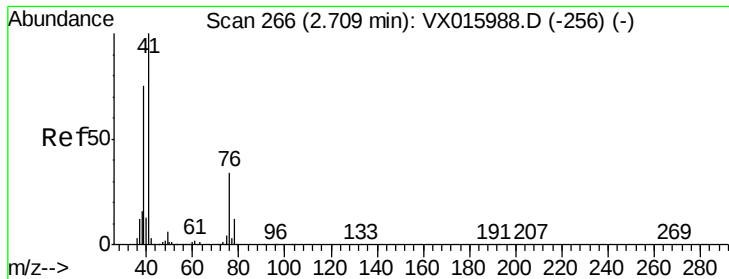
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#16
Carbon Disulfide
Concen: 18.238 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.8	7.7	11.5	





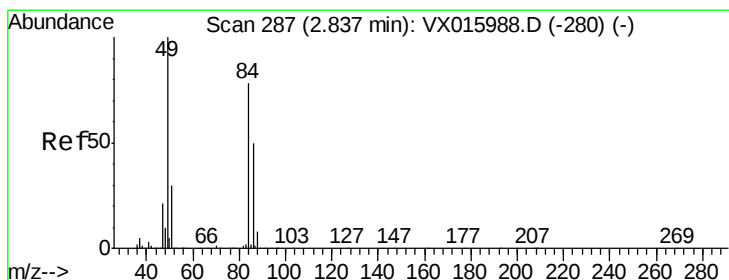
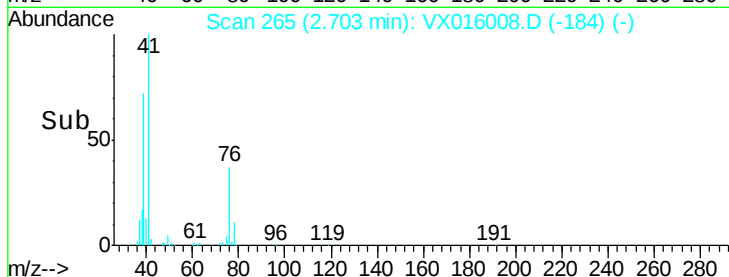
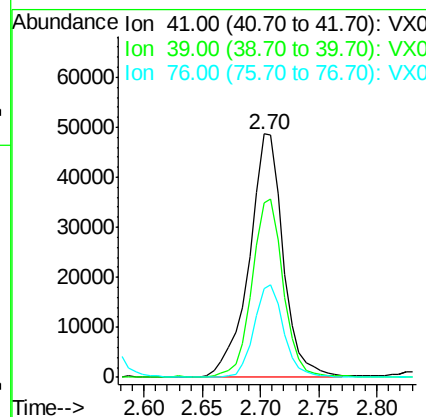
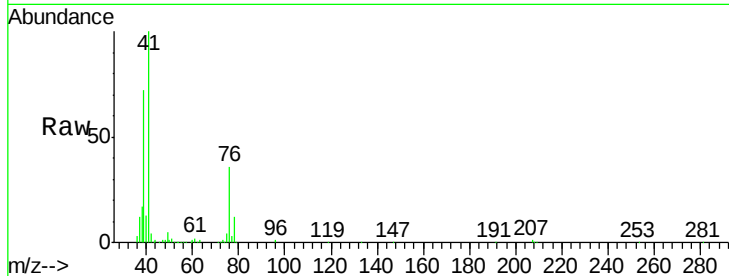
#17
Allvl chloride
Concen: 18.497 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
41	100	98857		
39	71.6		37.6	112.8
76	36.4		17.2	51.5

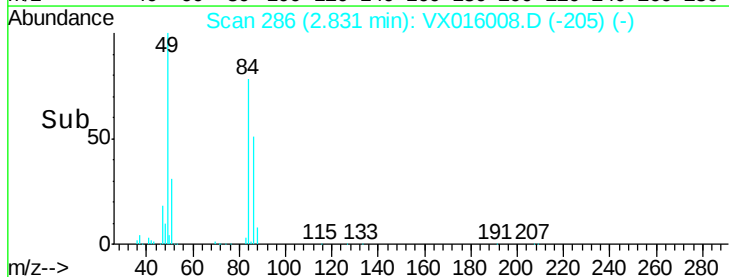
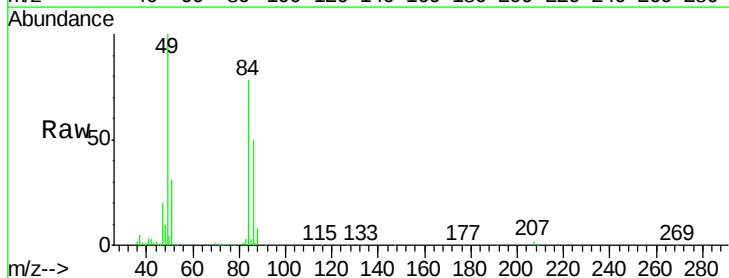
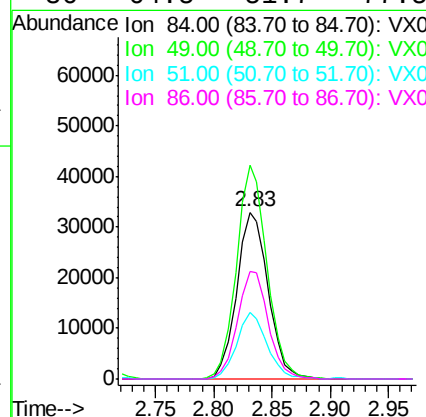
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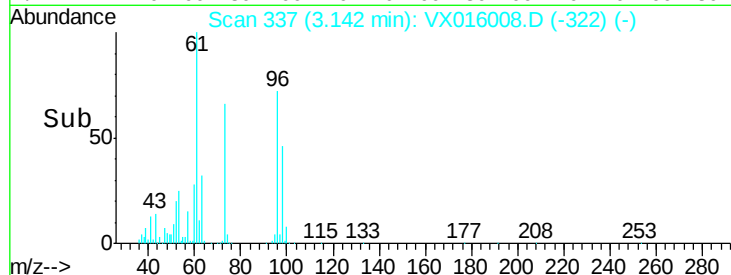
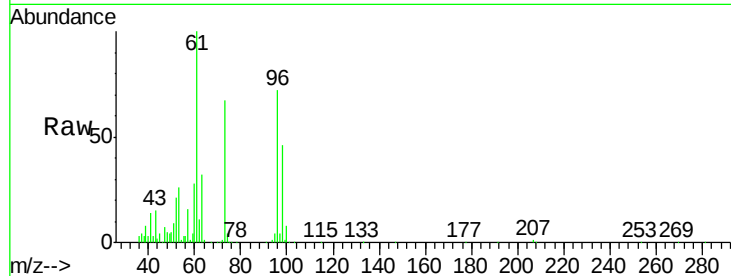
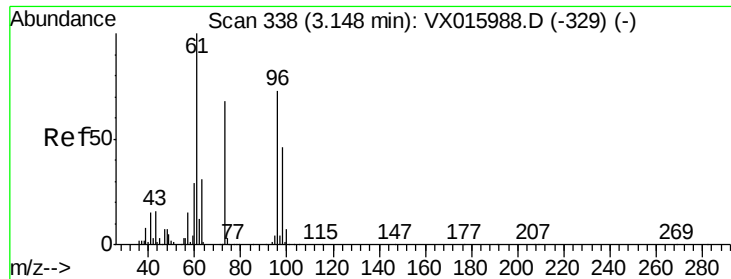
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#18
Methylene Chloride
Concen: 19.139 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	61772		
49	128.3		103.0	154.4
51	39.5		31.4	47.0
86	64.5		51.7	77.5





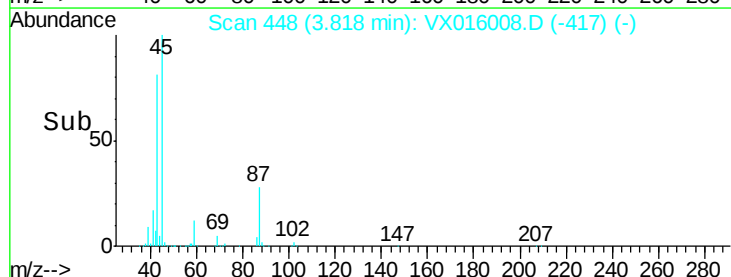
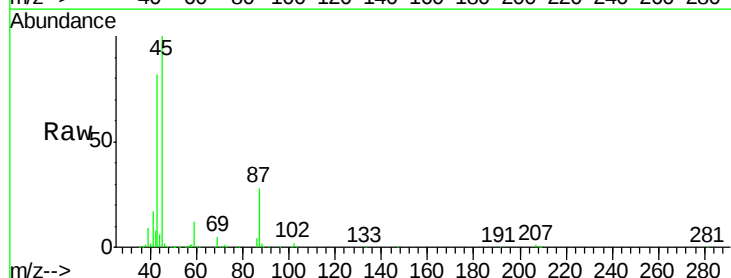
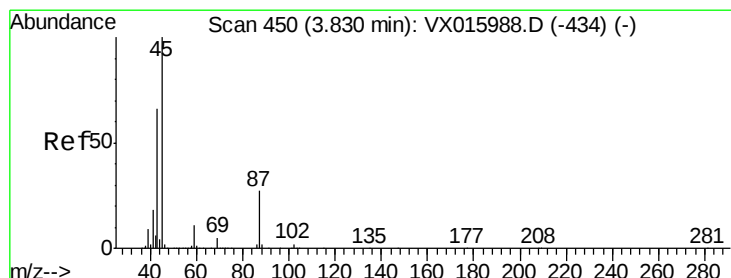
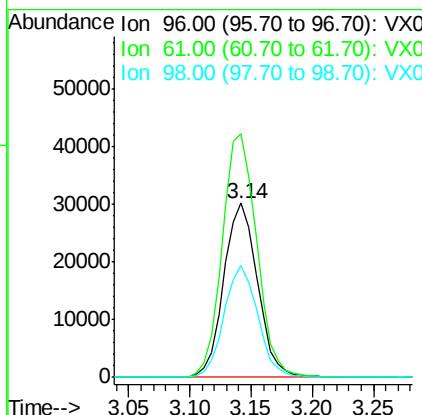
#19
trans-1,2-Dichloroethene
Concen: 18.294 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	139.9	109.0	163.4	
98	64.5	50.0	75.0	

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

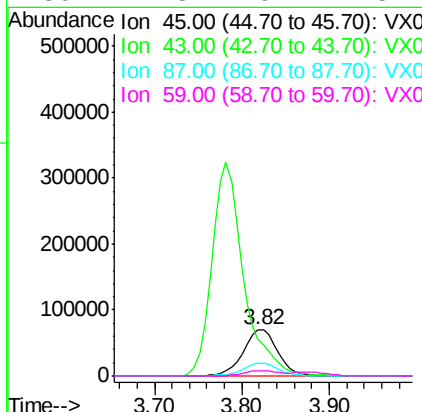
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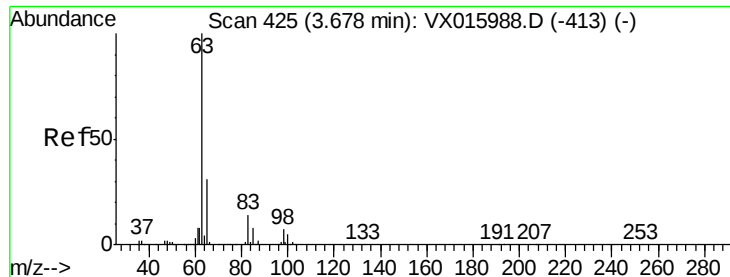
MMDadoda
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#20
Diisopropyl ether
Concen: 18.548 ug/l
RT: 3.82 min Scan# 448
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	80.7	53.0	79.4#	
87	27.9	21.9	32.9	
59	11.8	9.1	13.7	





#21

1,1-Dichloroethane

Concen: 18.454 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

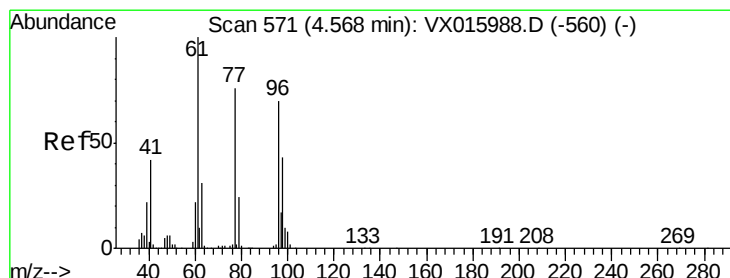
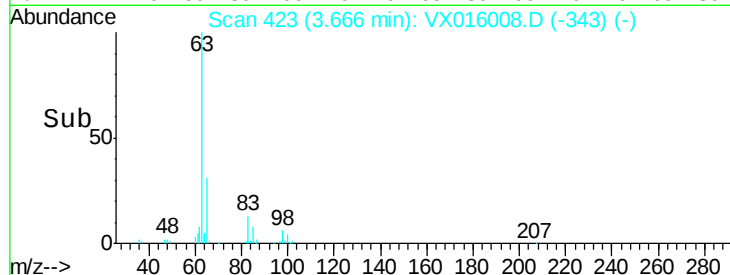
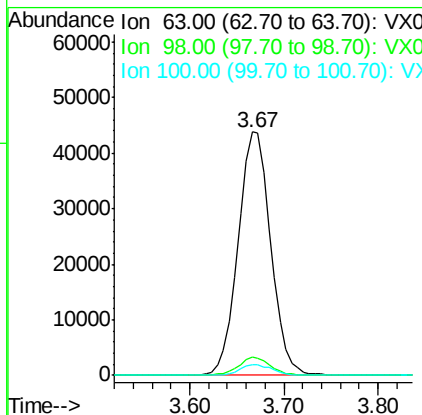
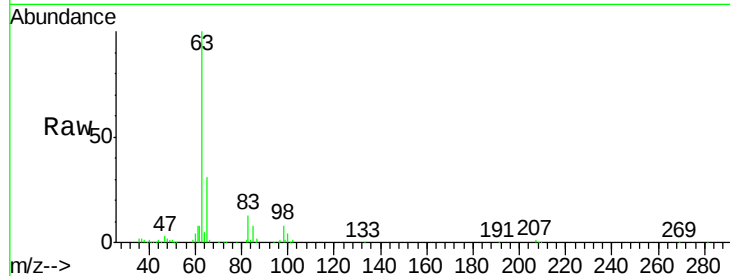
ClientSampleId :

VX0501WBSD02

Tot Ion:	63	Resp:	106037
Ion Ratio	Lower	Upper	
63	100		
98	7.6	3.5	10.4
100	4.4	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 18.307 ug/l

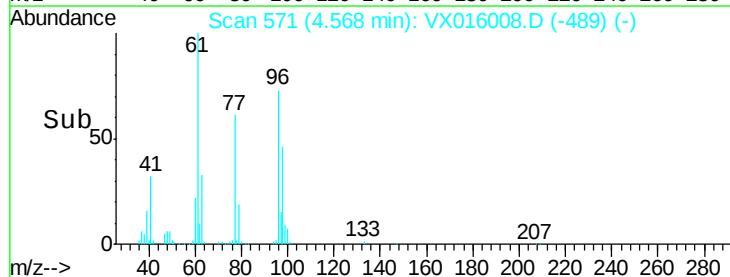
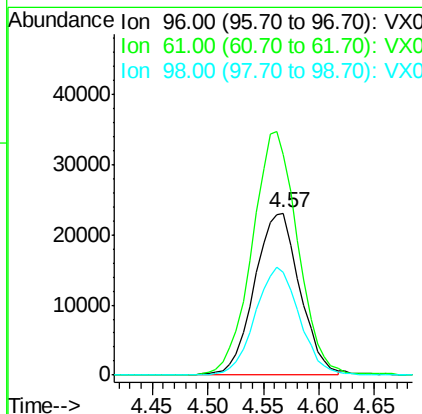
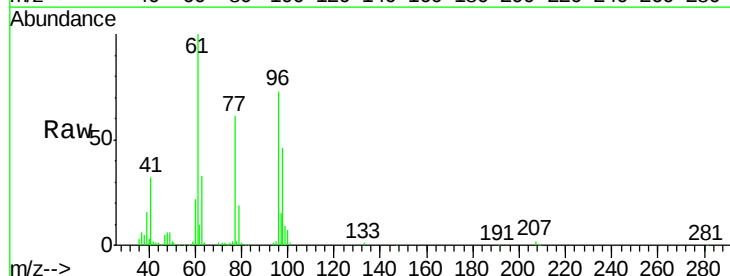
RT: 4.57 min Scan# 571

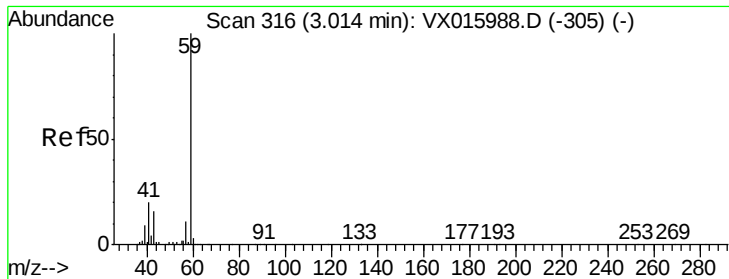
Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	96	Resp:	65465
Ion Ratio	Lower	Upper	
96	100		
61	151.6	121.6	182.4
98	65.0	51.9	77.9





#23

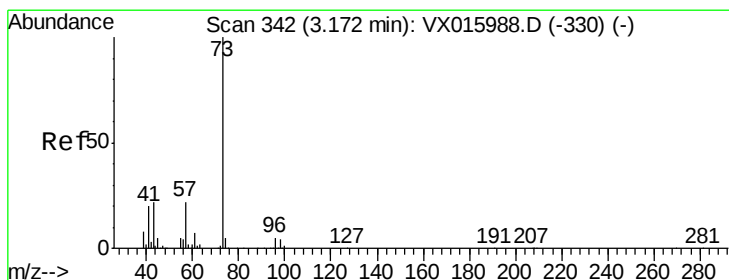
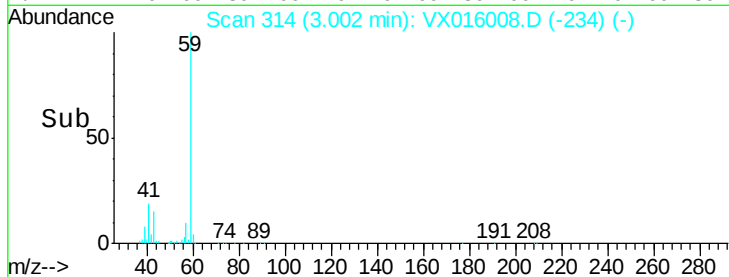
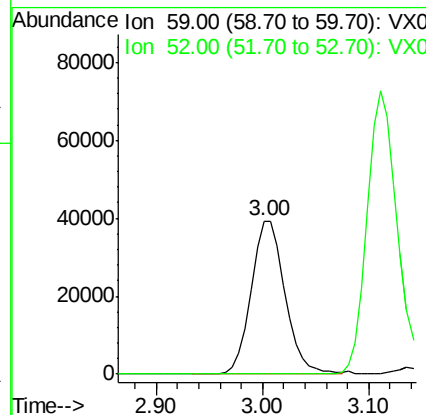
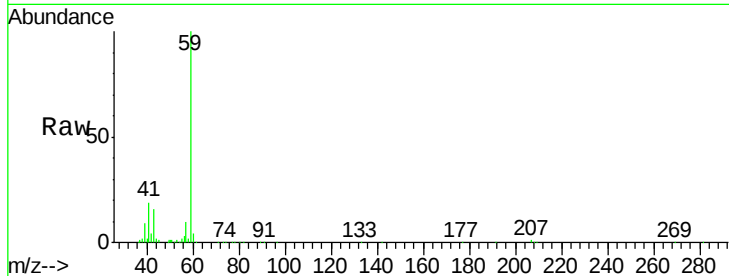
tert-Butyl Alcohol
 Concen: 96.767 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.1	0.1#

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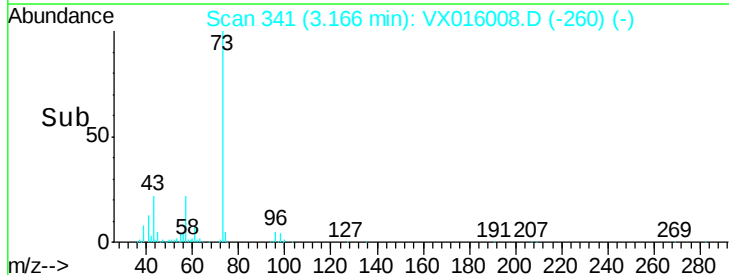
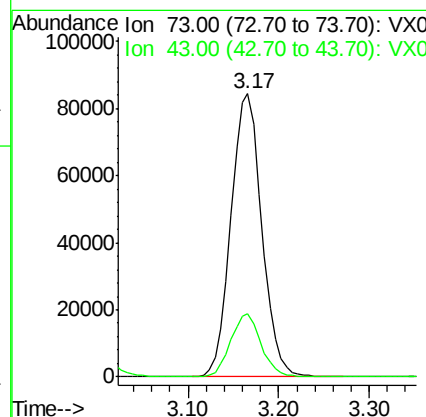
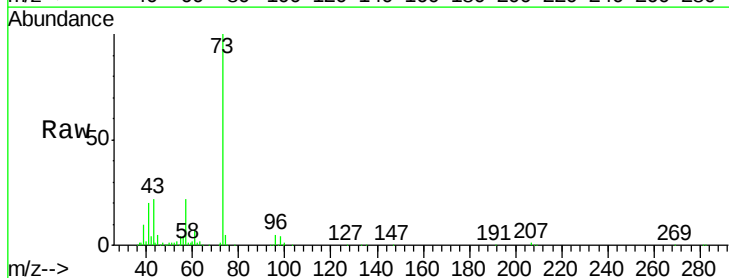
MMDadoda
 5/4/2020 2:19:55 PM

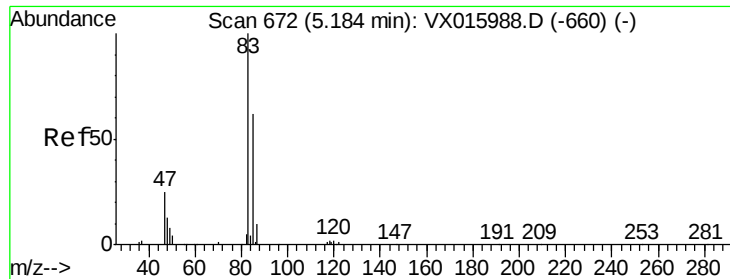


#24

Methyl tert-Butyl Ether
 Concen: 19.134 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.9	17.8	26.6





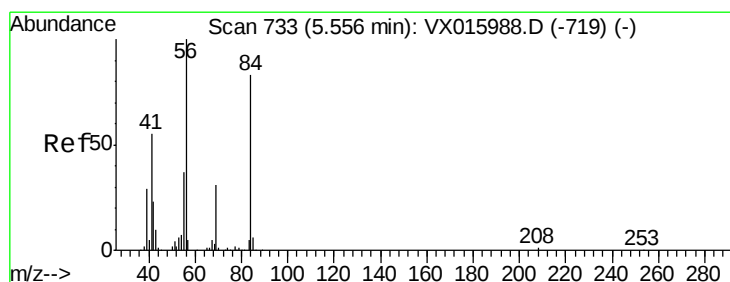
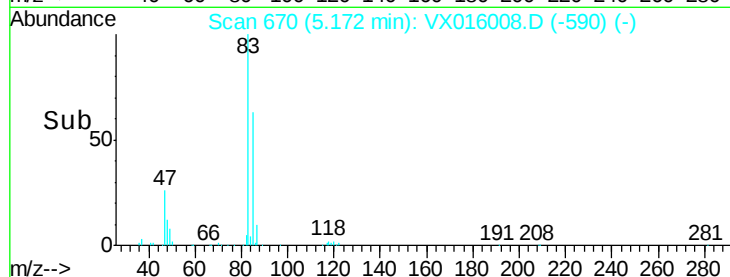
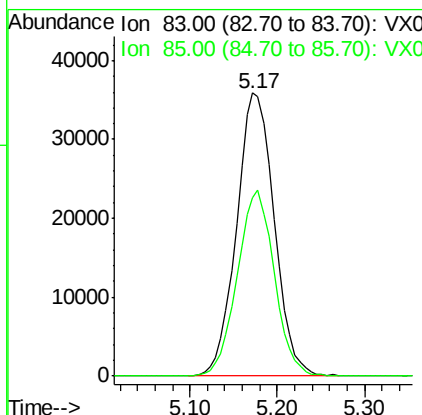
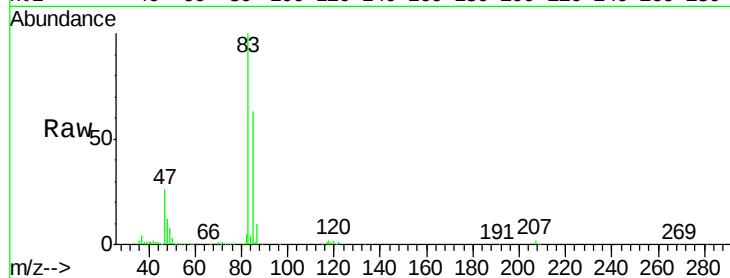
#25
Chloroform
Concen: 18.455 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	83	Resp	107699
Ion Ratio	Lower	Upper	
83	100		
85	63.2	49.6	74.4

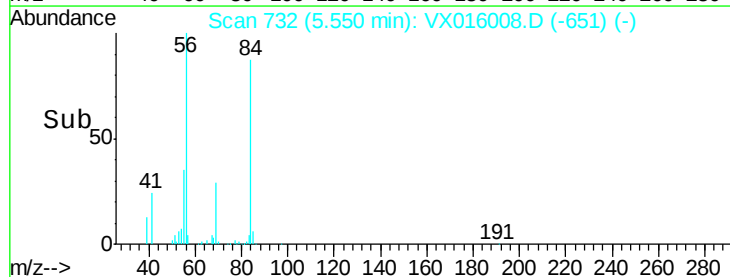
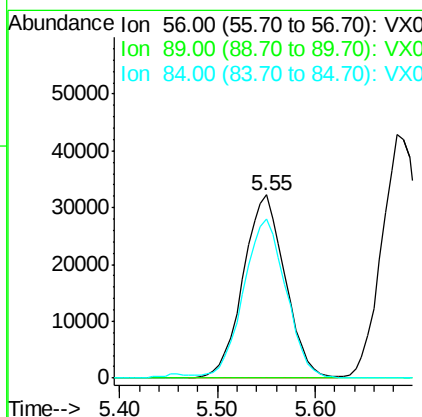
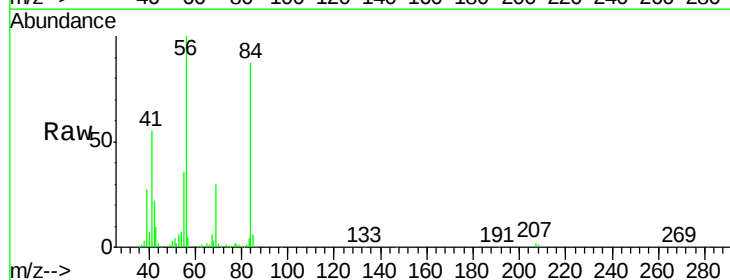
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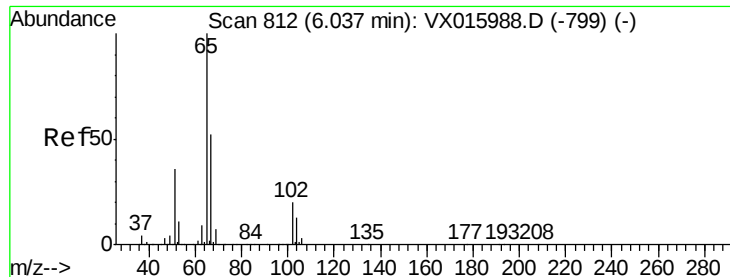
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#26
Cyclohexane
Concen: 18.260 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	56	Resp	95942
Ion Ratio	Lower	Upper	
56	100		
89	0.1	0.1	0.1#
84	88.4	70.1	105.1





#27

1,2-Dichloroethane-d4

Concen: 30.780 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion: 65 Resp: 119101

Ion Ratio Lower Upper

65 100

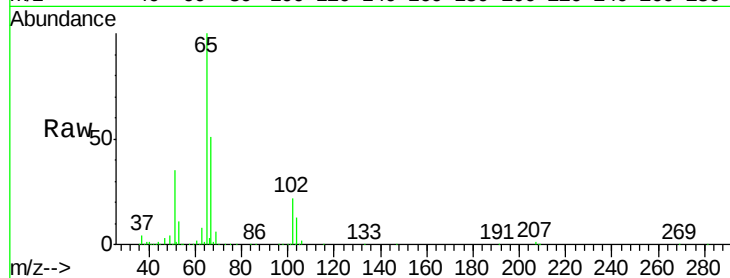
67 51.1 41.0 61.4

Manual Integrations

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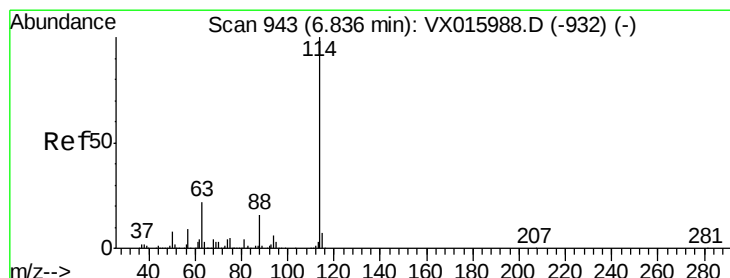
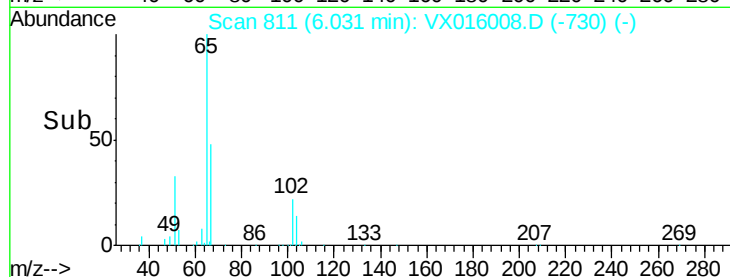
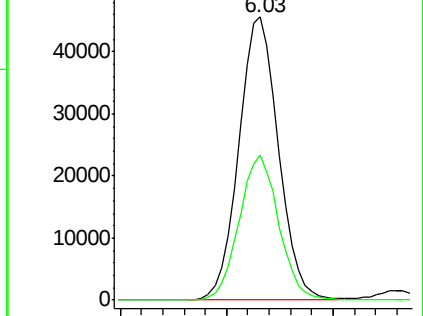
MMDadoda

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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: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

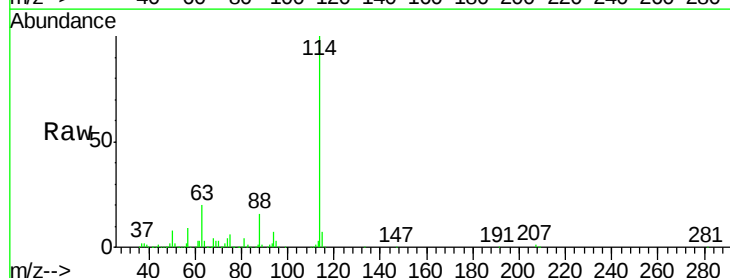
Tgt Ion: 114 Resp: 280469

Ion Ratio Lower Upper

114 100

63 20.8 17.1 25.7

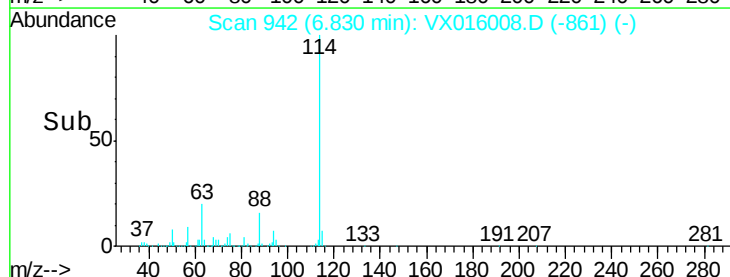
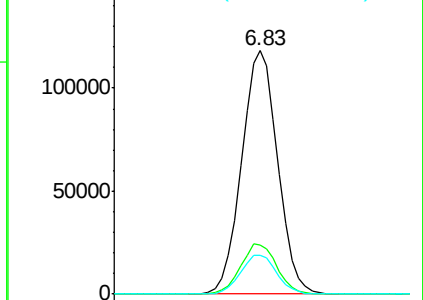
88 16.1 13.0 19.4

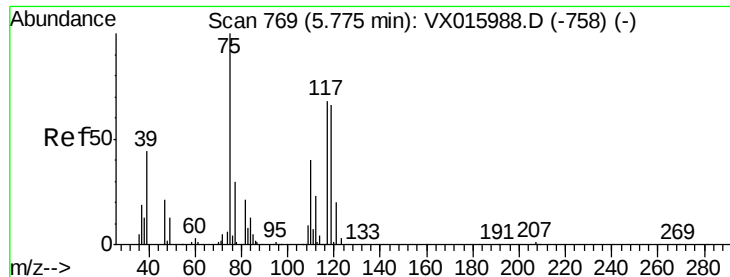


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 18.189 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

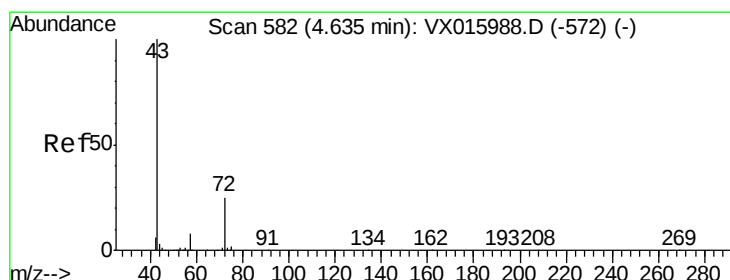
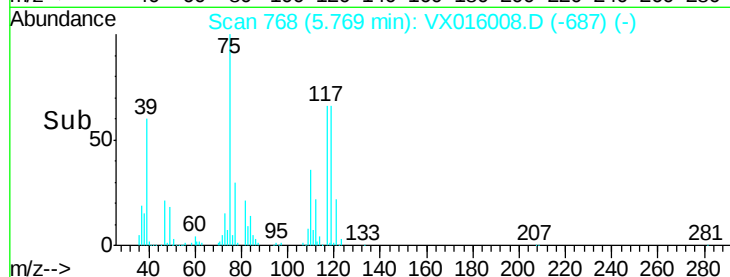
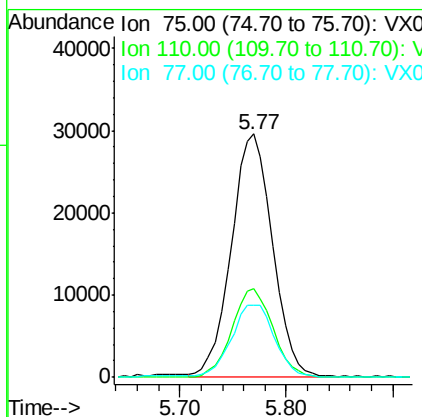
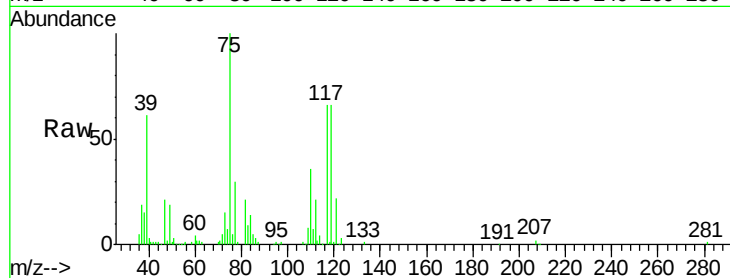
ClientSampleId :

VX0501WBSD02

Tot Ion:	75	Resp:	80232
Ion	Ratio	Lower	Upper
75	100		
110	36.4	0.0	71.0
77	31.5	0.0	64.2

Manual Integrations
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#30

2-Butanone

Concen: 96.543 ug/l

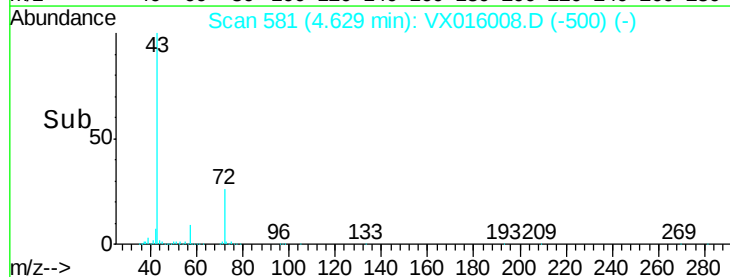
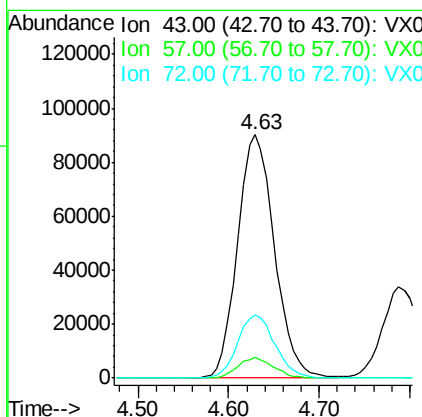
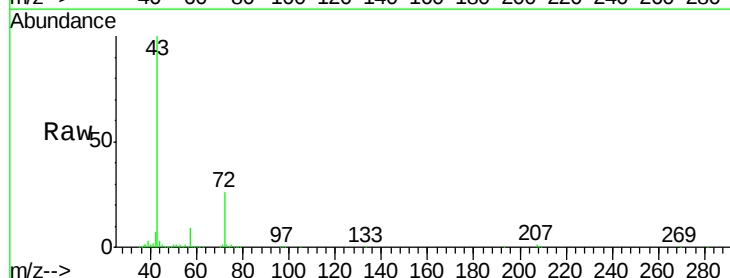
RT: 4.63 min Scan# 581

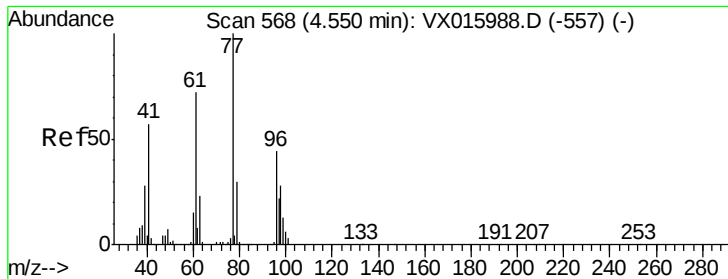
Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	43	Resp:	253756
Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.3	9.5
72	26.3	20.8	31.2





#31

2,2-Dichloropropane

Concen: 17.425 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion: 77 Resp: 92502

Ion Ratio Lower Upper

77 100

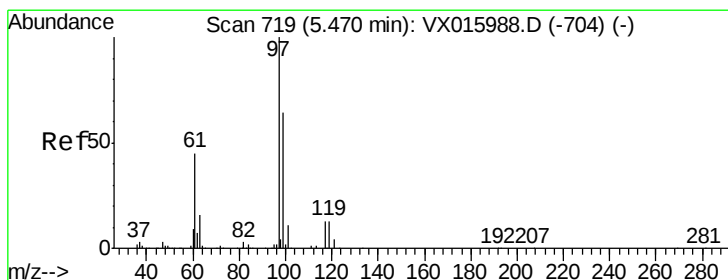
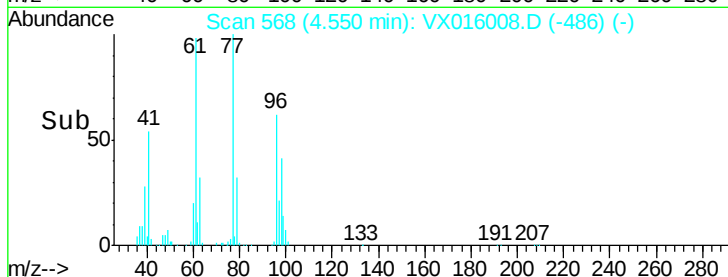
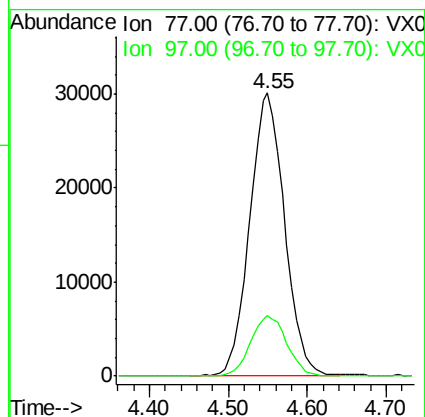
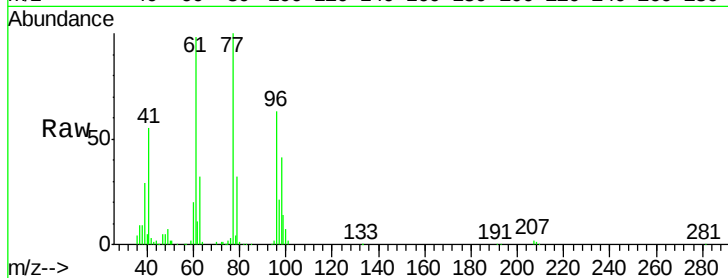
97 22.0 17.8 26.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 17.993 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

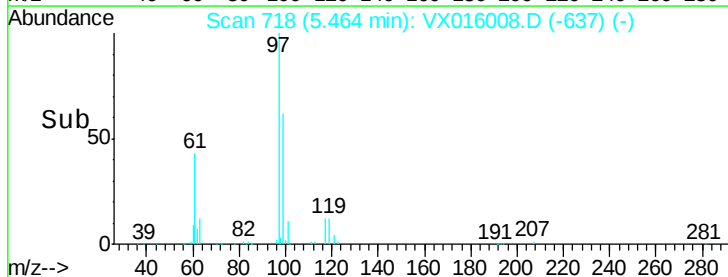
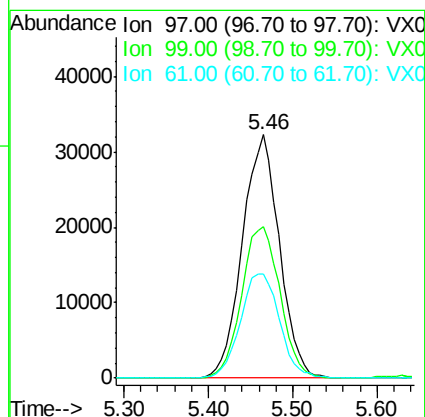
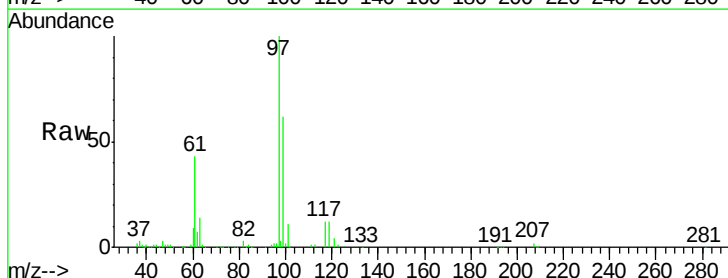
Tgt Ion: 97 Resp: 96280

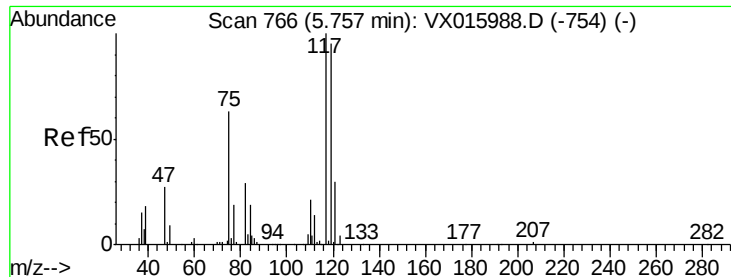
Ion Ratio Lower Upper

97 100

99 64.5 50.7 76.1

61 45.2 35.9 53.9





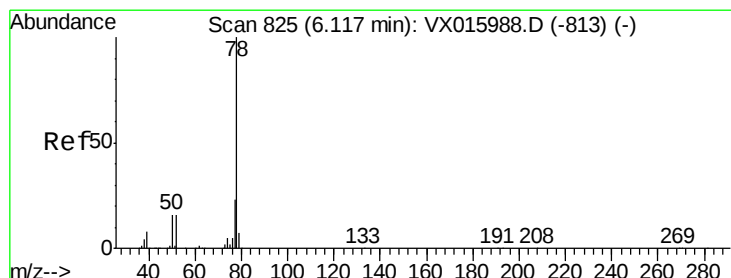
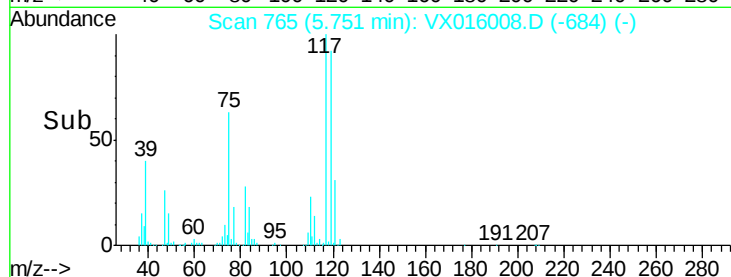
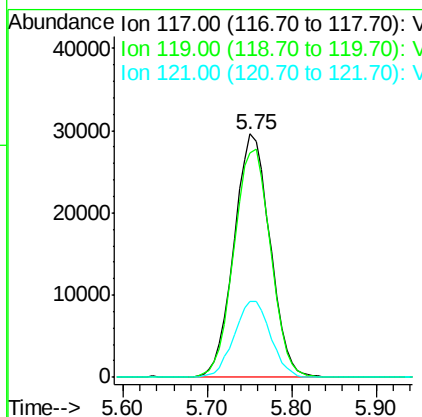
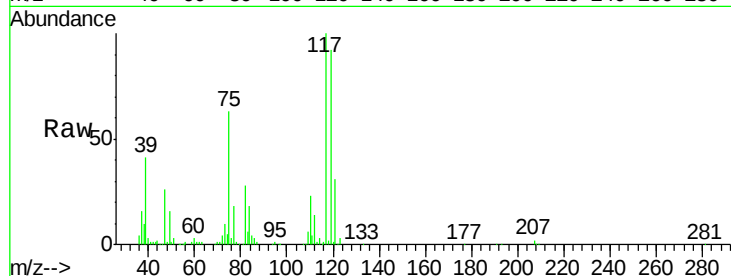
#33
Carbon Tetrachloride
Concen: 17.990 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.3	114.5
121	31.0	24.2	36.4

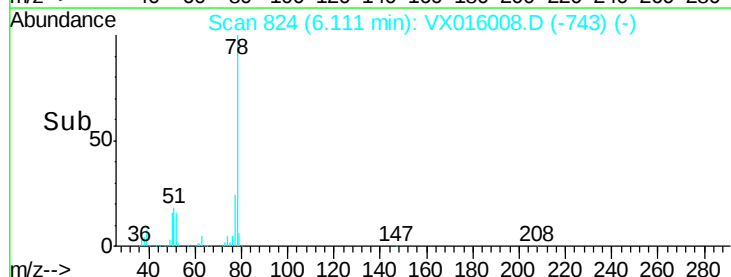
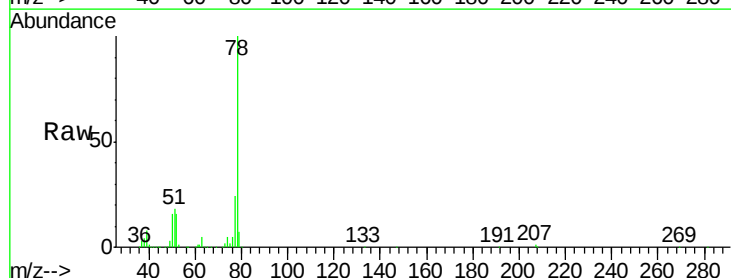
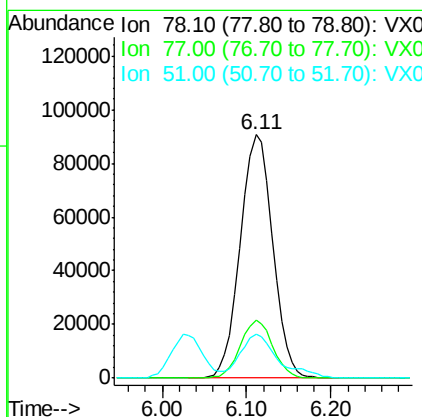
Manual Integrations
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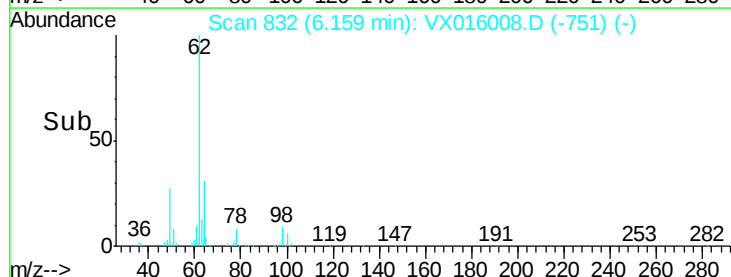
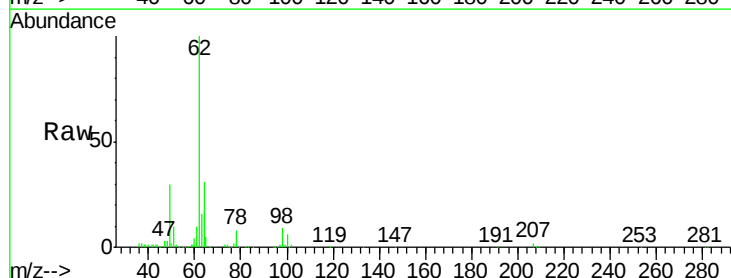
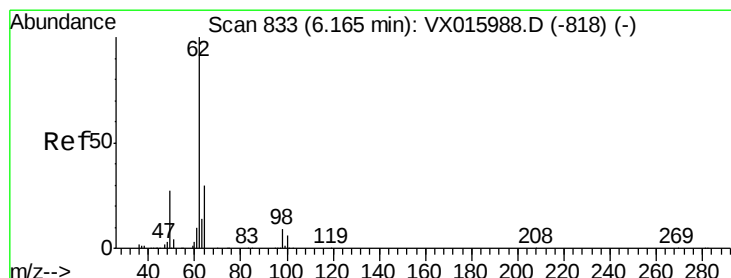
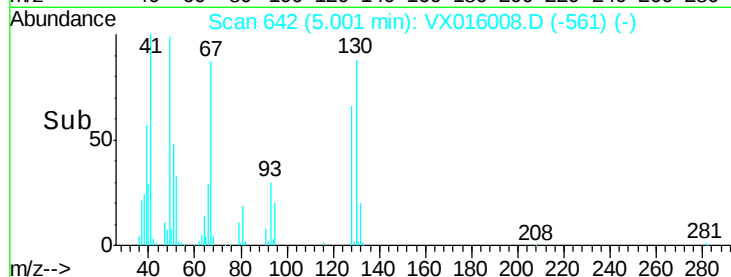
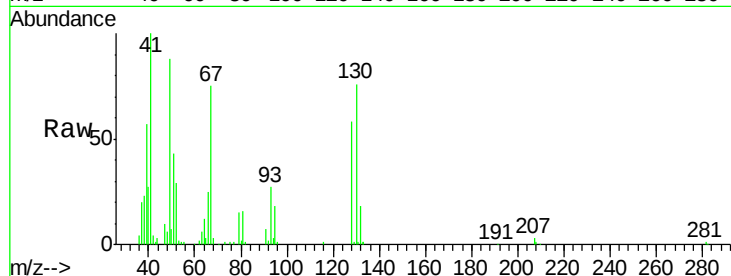
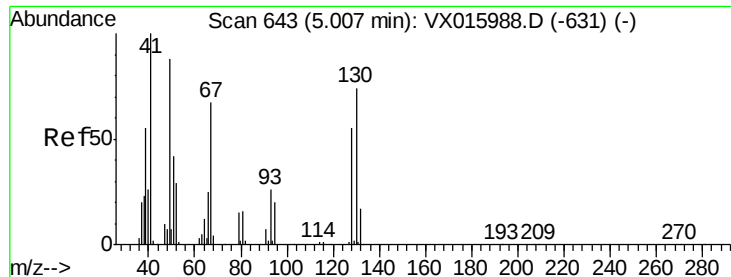
MMDadoda
5/4/2020 2:19:55 PM



#34
Benzene
Concen: 18.414 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

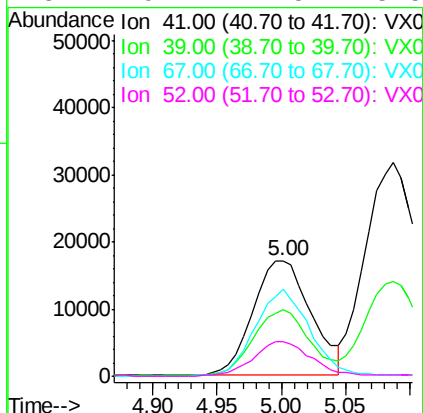
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1
51	17.6	12.7	19.1





#35
Methacrylonitrile
Concen: 19.244 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.9	27.5	82.4	
67	75.6	33.6	100.6	
52	29.2	14.5	43.5	



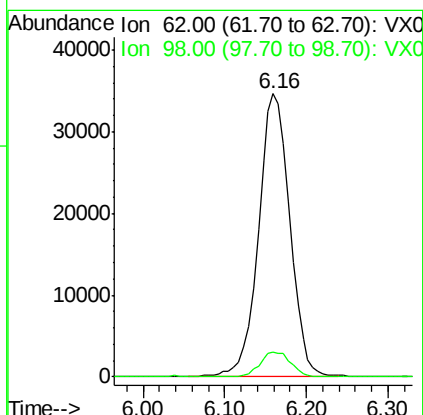
Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

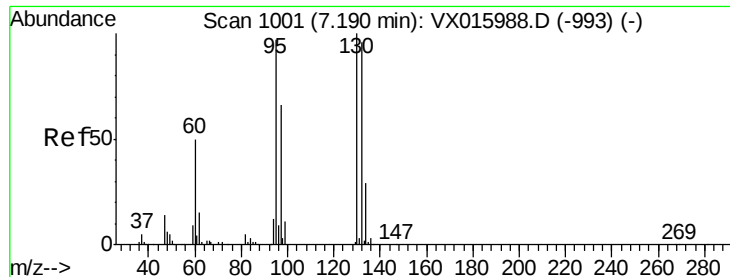
Manual Integrations
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#36
1,2-Dichloroethane
Concen: 18.863 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	7.4	11.2	





#37

Trichloroethene

Concen: 19.080 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion:130 Resp: 87453

Ion Ratio Lower Upper

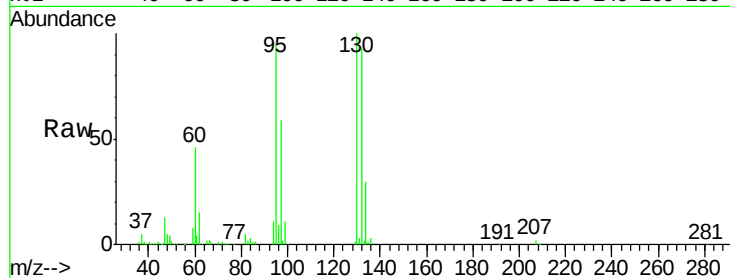
130 100

95 95.4 77.8 116.8

Manual Integrations
APPROVED

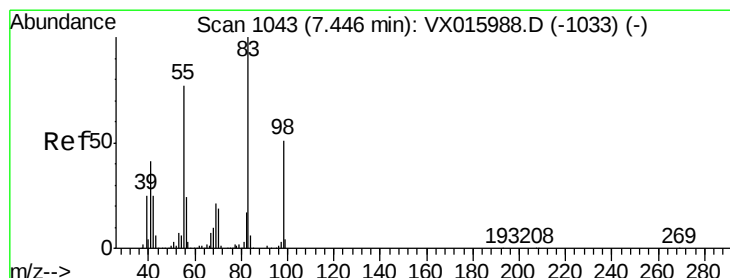
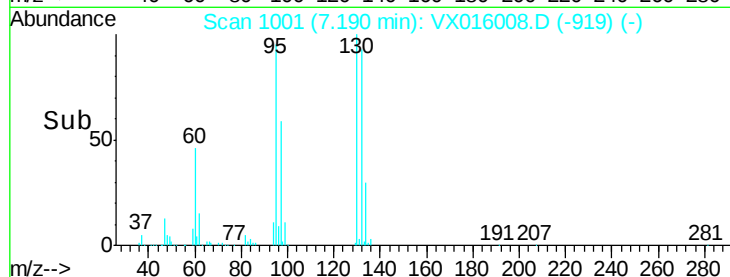
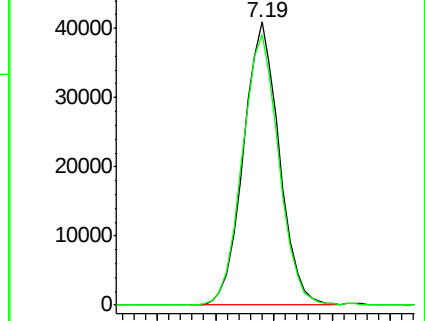
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 18.312 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

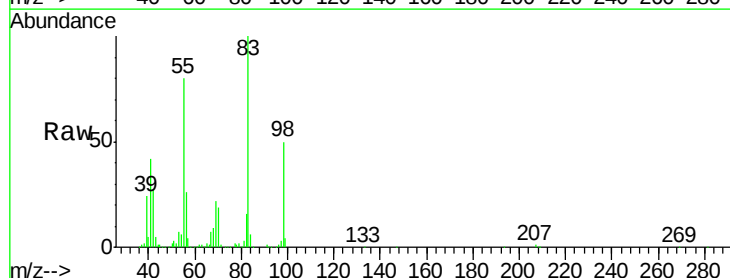
Tgt Ion: 83 Resp: 98717

Ion Ratio Lower Upper

83 100

55 78.0 38.8 116.4

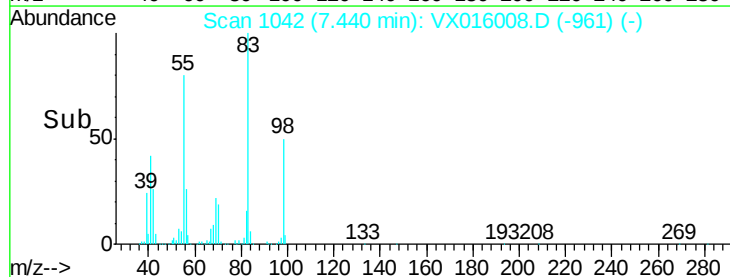
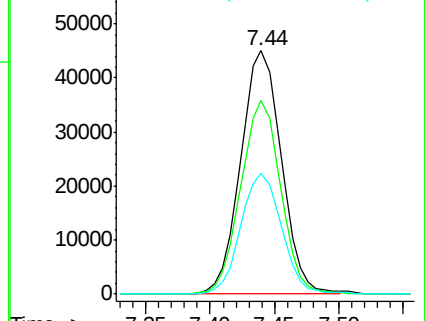
98 50.0 25.1 75.3

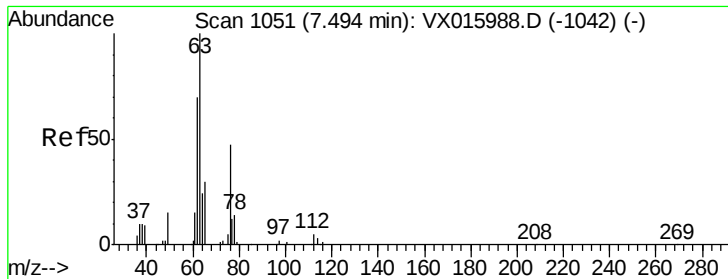


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





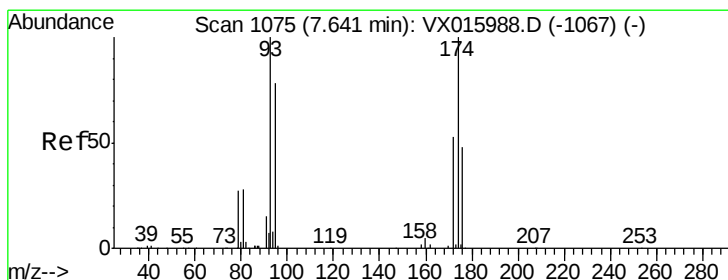
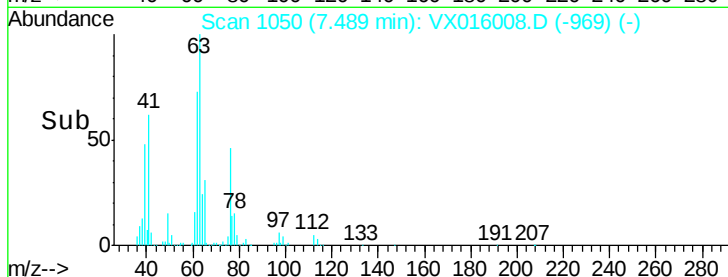
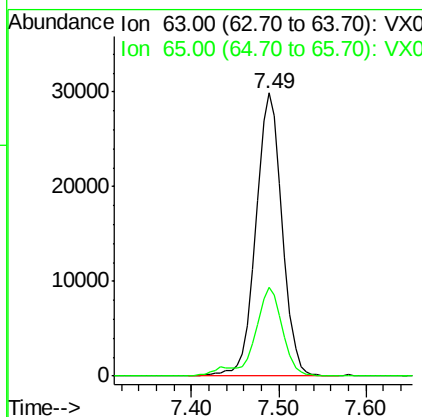
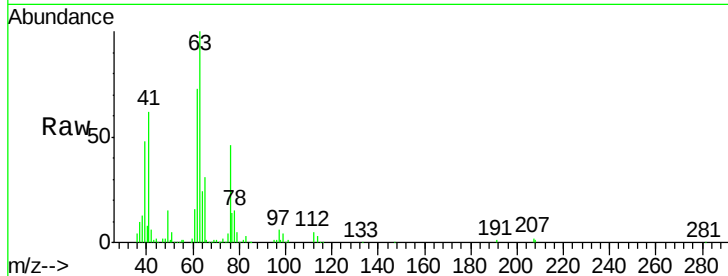
#39
 1,2-Dichloropropane
 Concen: 18.738 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.9	38.9

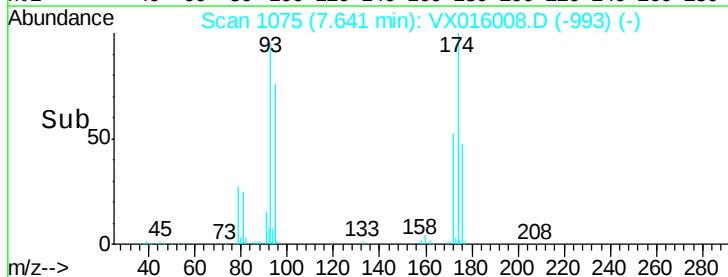
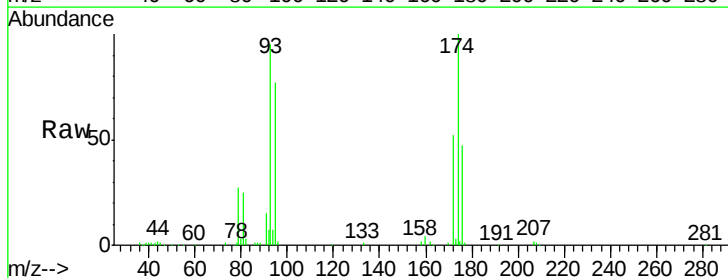
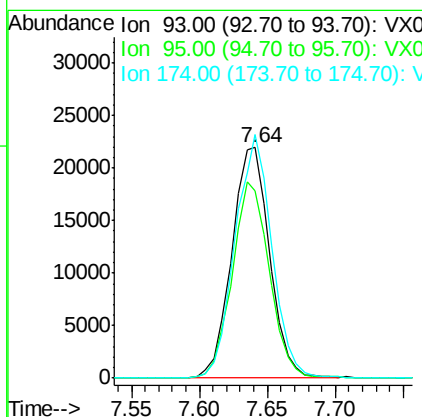
Manual Integrations
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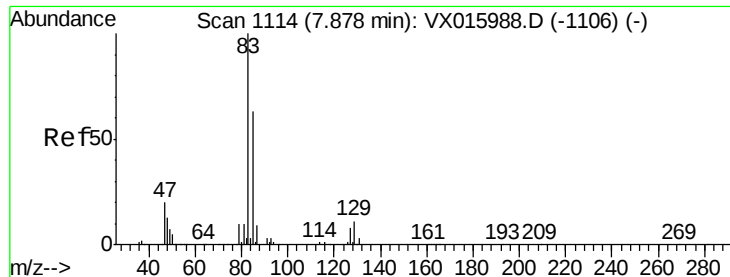
MMDadoda
 5/4/2020 2:19:55 PM



#40
 Dibromomethane
 Concen: 18.604 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	0.0	162.8
174	102.5	0.0	204.0





#41

Bromodichloromethane

Concen: 18.095 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

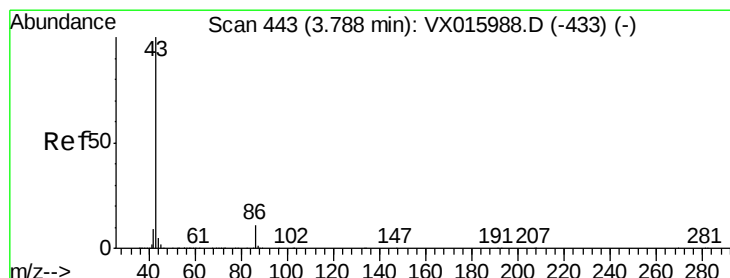
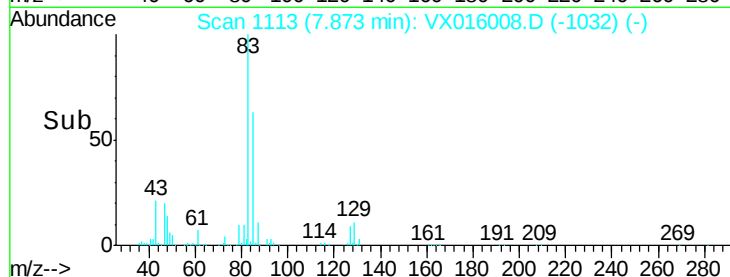
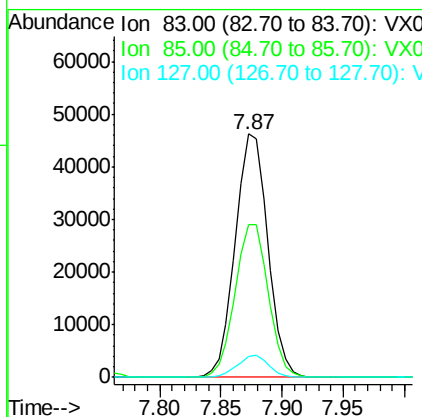
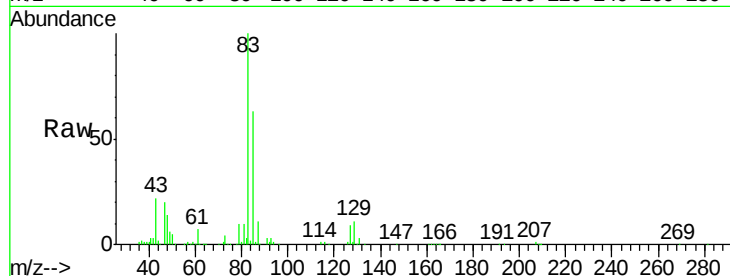
ClientSampleId :

VX0501WBSD02

Tot Ion:	83	Resp:	85670
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.4	75.6
127	8.6	6.7	10.1

Manual Integrations
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5/4/2020 2:19:55 PM



#42

Vinyl Acetate

Concen: 93.547 ug/l

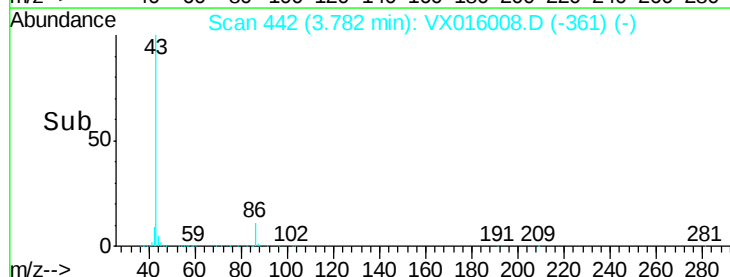
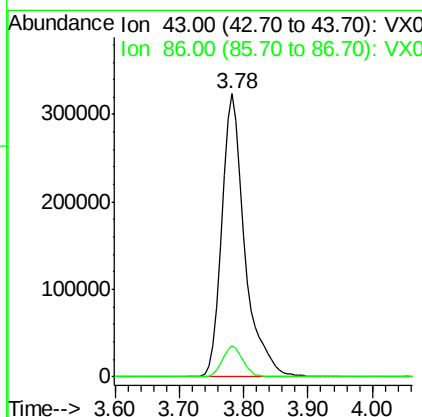
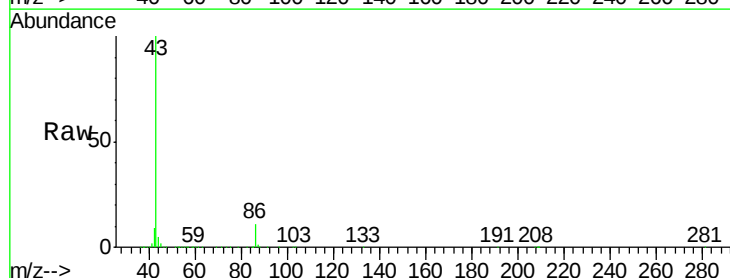
RT: 3.78 min Scan# 442

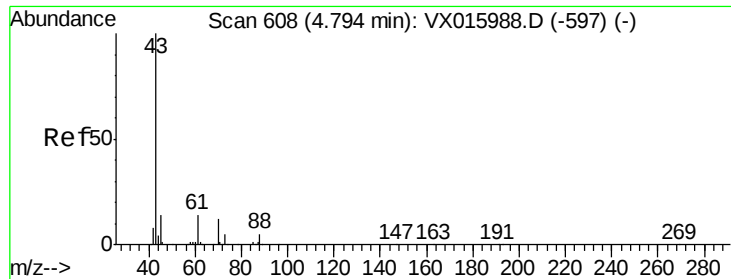
Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	43	Resp:	813462
Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.7	11.5





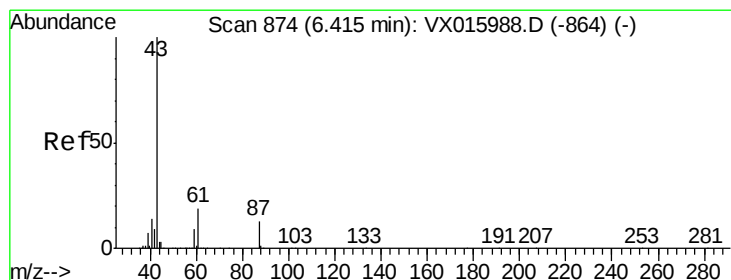
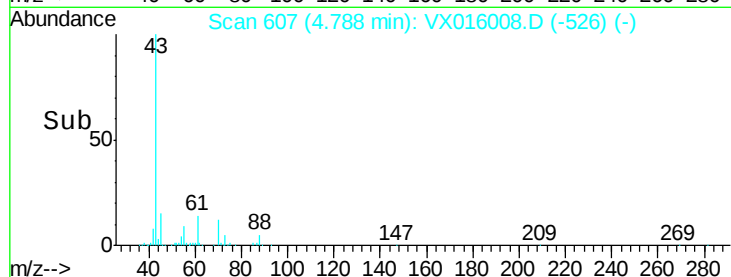
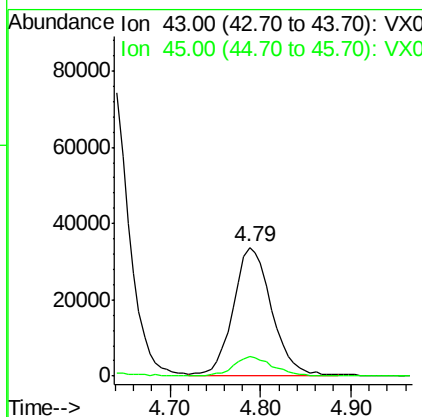
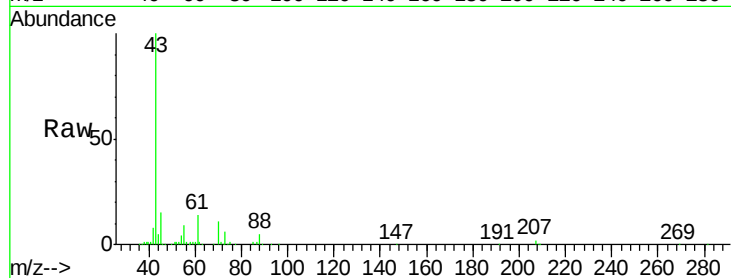
#43
Ethyl Acetate
Concen: 18.975 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	15.5	11.9	17.9	

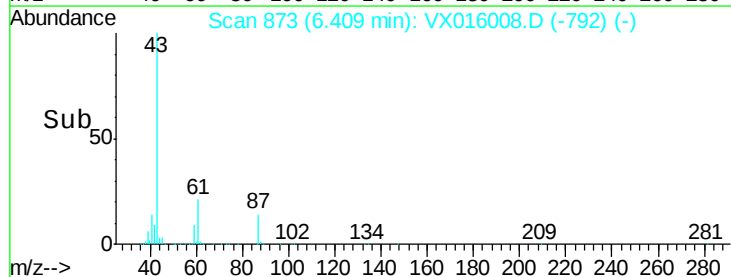
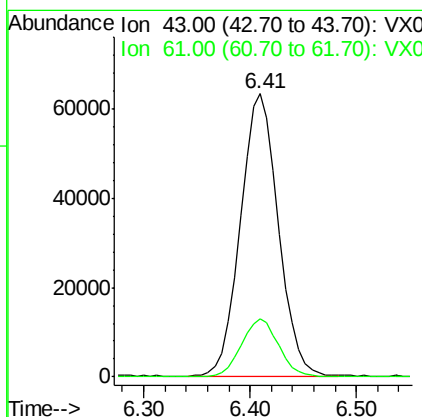
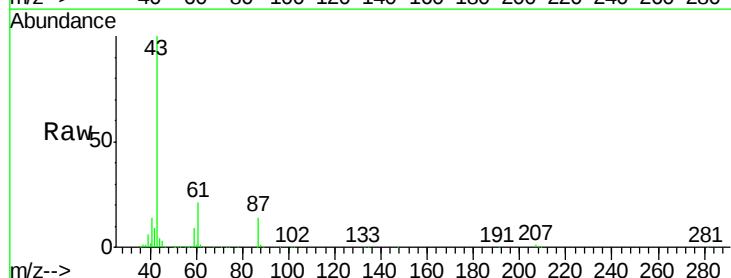
Manual Integrations
APPROVED

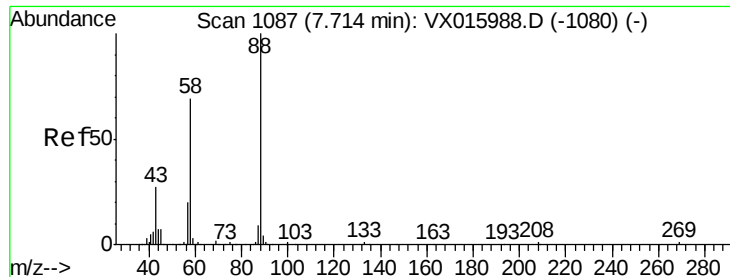
MMDadoda
5/4/2020 2:19:55 PM



#44
Isopropyl Acetate
Concen: 18.768 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	43	Ratio	Lower	Upper
43	100			
61	20.3	16.1	24.1	





#45

1,4-Dioxane

Concen: 386.222 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

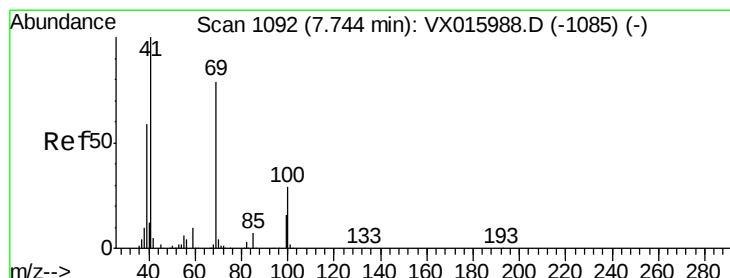
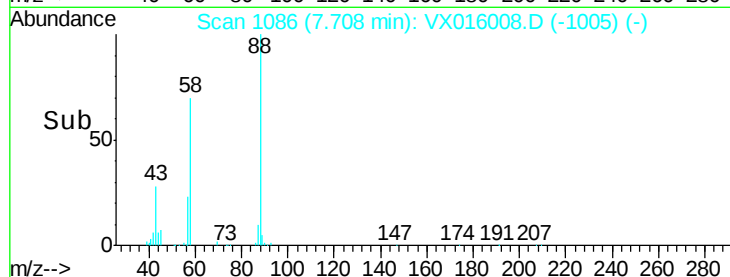
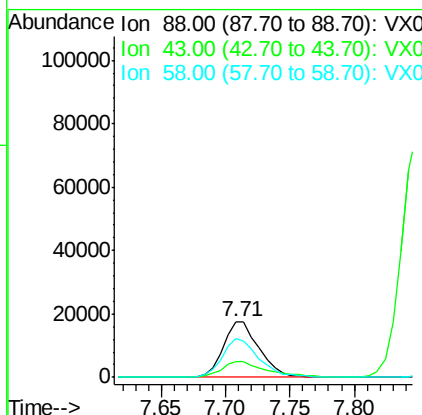
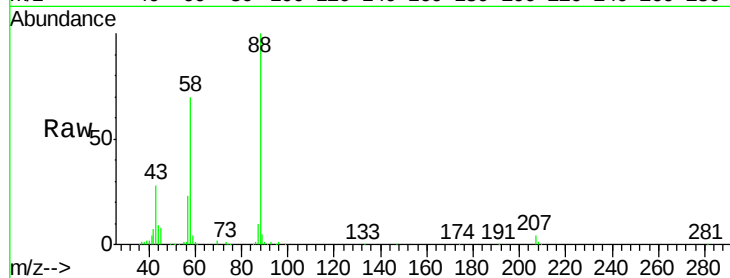
ClientSampleId :

VX0501WBSD02

Tot Ion:	88	Resp:	34325
Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.3	39.5
58	70.6	57.0	85.6

Manual Integrations
APPROVED

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#46

Methyl methacrylate

Concen: 18.622 ug/l

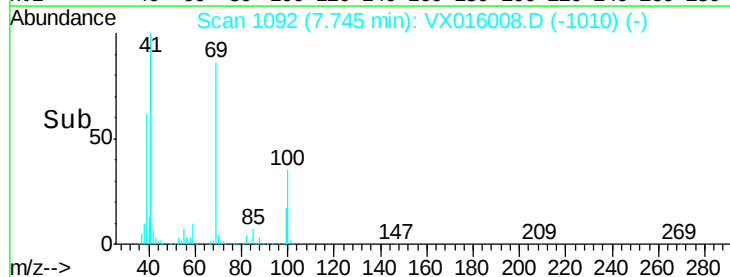
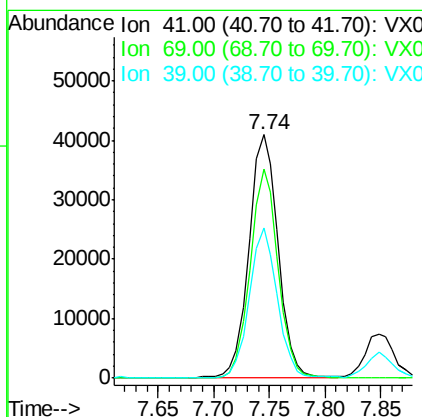
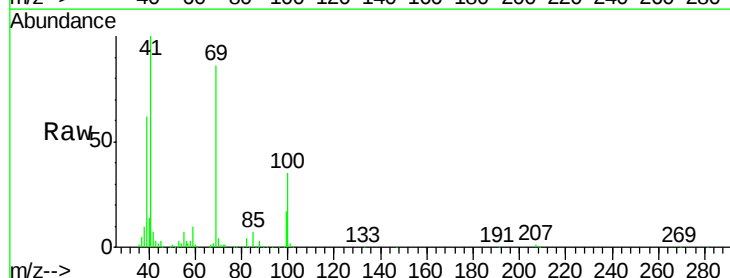
RT: 7.74 min Scan# 1092

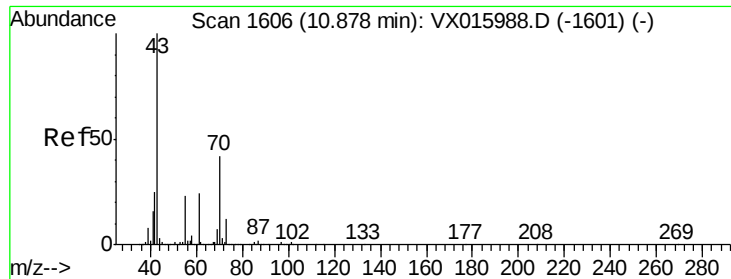
Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	41	Resp:	74278
Ion	Ratio	Lower	Upper
41	100		
69	85.9	39.5	118.5
39	61.5	29.6	88.9





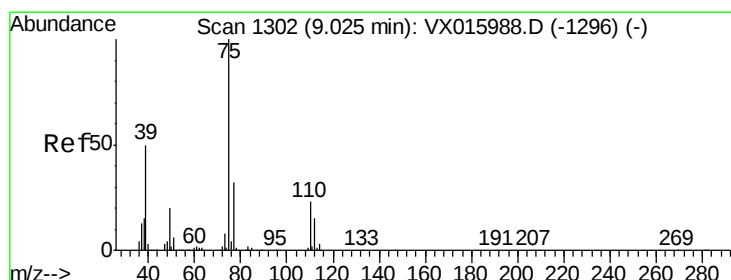
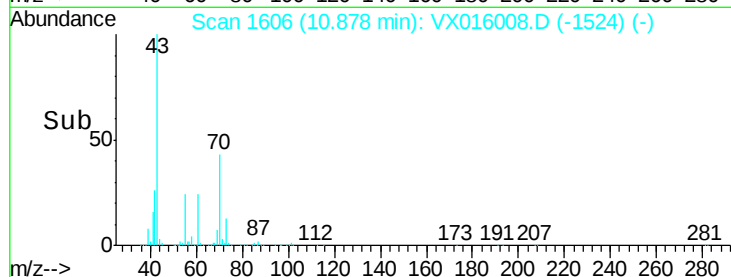
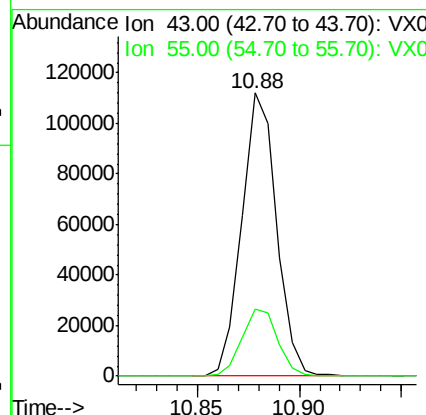
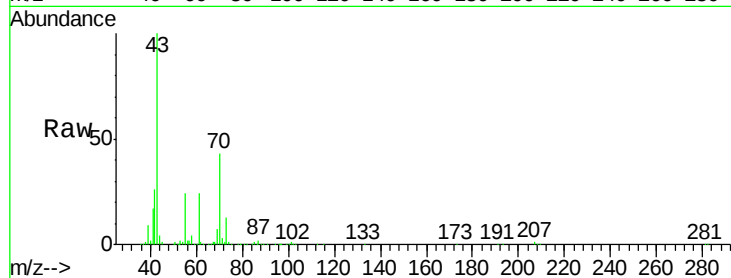
#47
n-amvl Acetate
Concen: 17.928 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion: 43 Resp: 131899
Ion Ratio Lower Upper
43 100
55 24.6 19.0 28.4

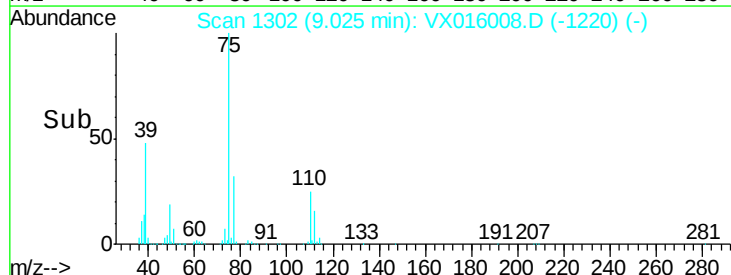
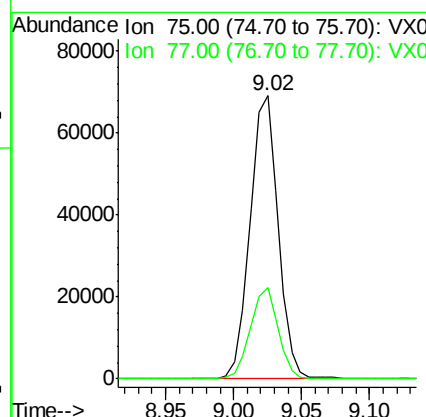
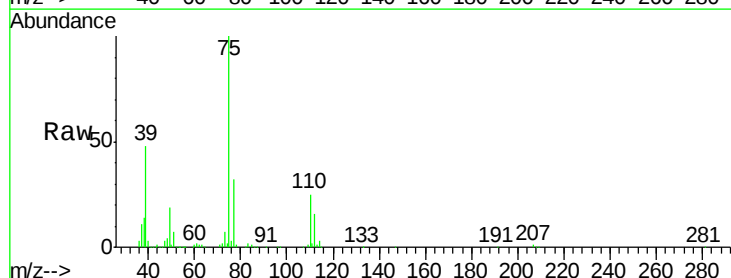
Manual Integrations
APPROVED

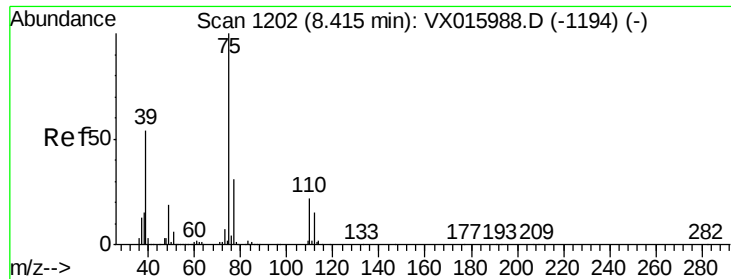
MMDadoda
5/4/2020 2:19:55 PM



#48
t-1,3-Dichloropropene
Concen: 18.281 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion: 75 Resp: 100505
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8





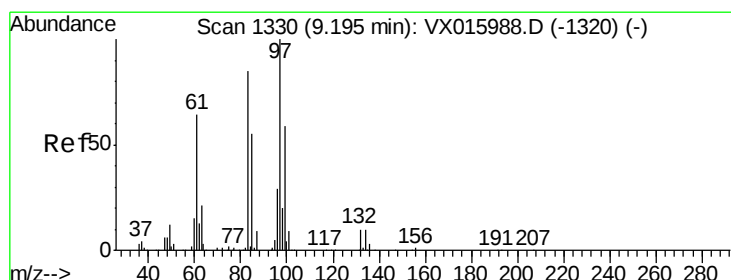
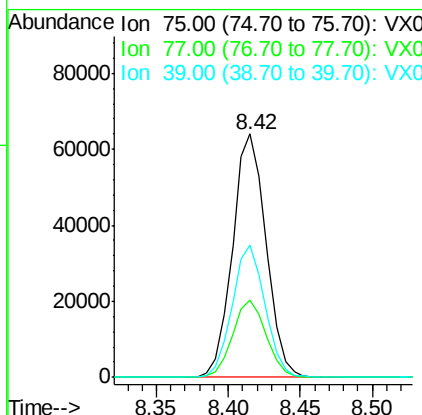
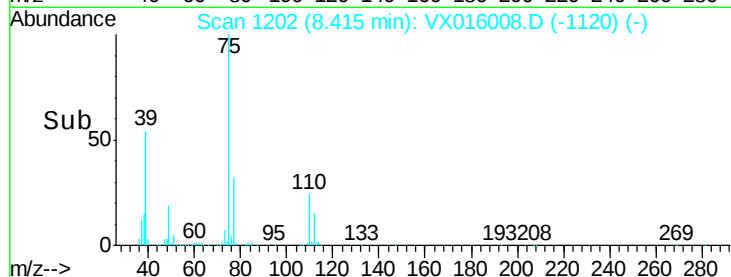
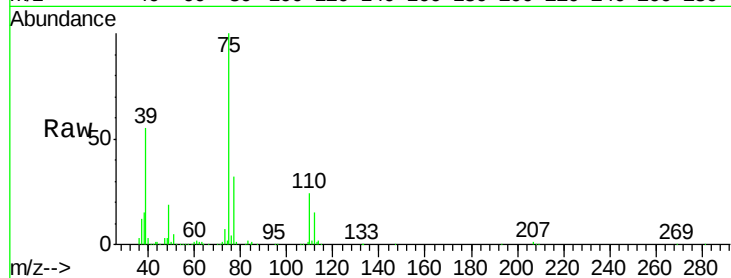
#49
 cis-1,3-Dichloropropene
 Concen: 18.320 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6
39	54.6	43.2	64.8

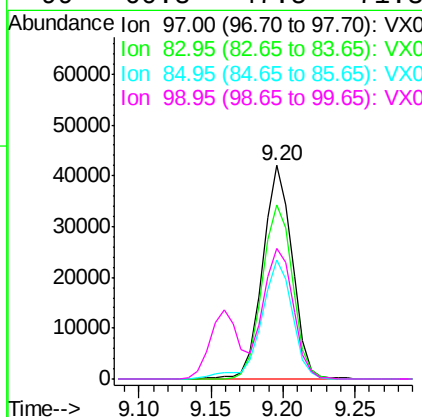
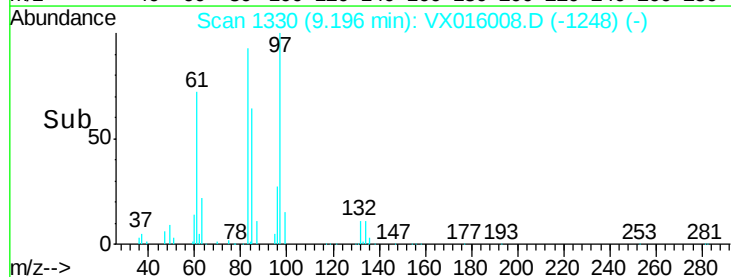
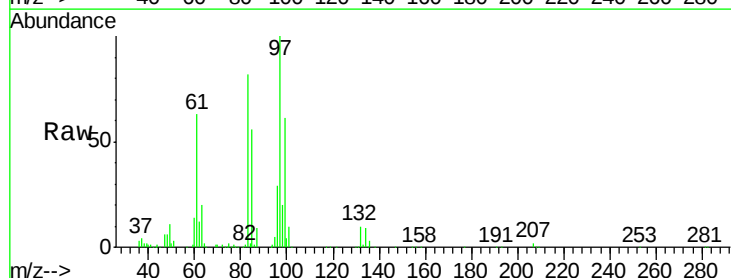
Manual Integrations
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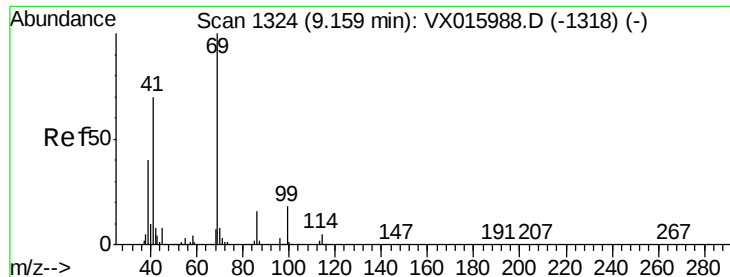
MMDadoda
 5/4/2020 2:19:55 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.381 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.7	101.5
85	55.5	43.7	65.5
99	60.8	47.5	71.3





#51

Ethyl methacrylate

Concen: 18.419 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

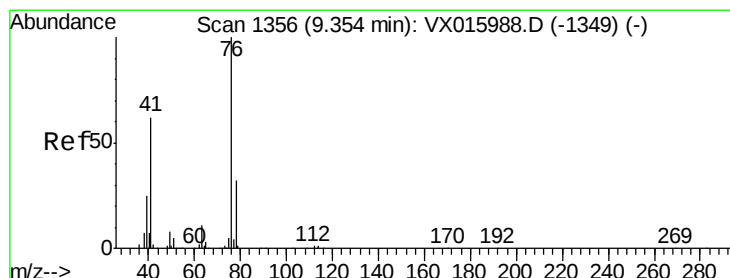
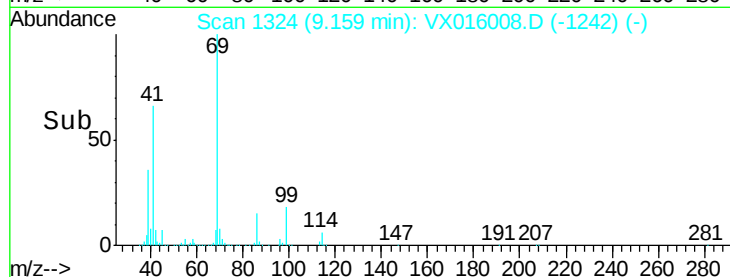
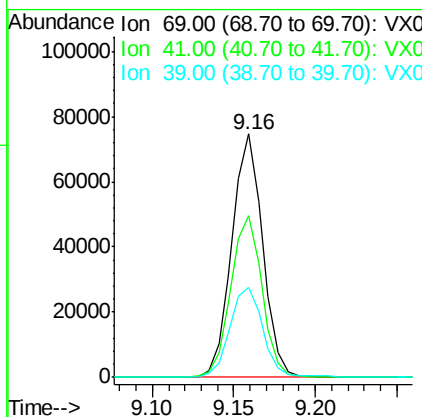
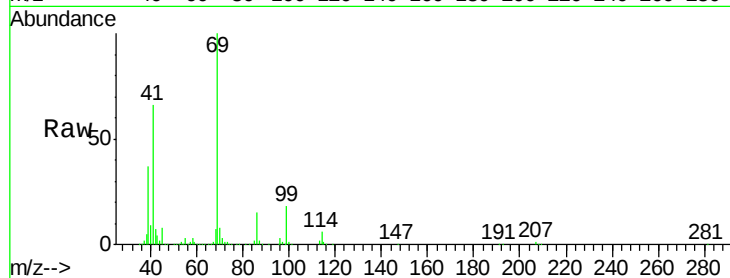
ClientSampleID :

VX0501WBSD02

Tot Ion:	69	Resp:	98433
Ion	Ratio	Lower	Upper
69	100		
41	66.1	34.8	104.4
39	36.6	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.003 ug/l

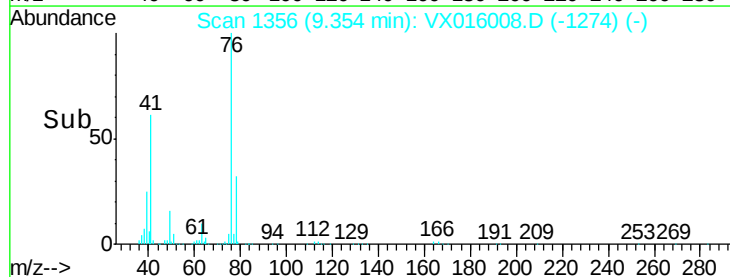
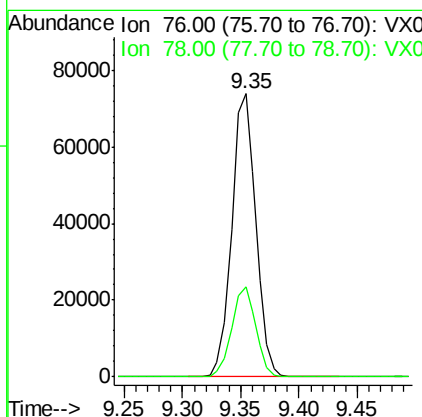
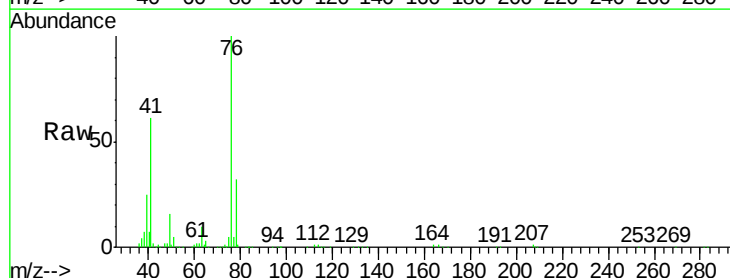
RT: 9.35 min Scan# 1356

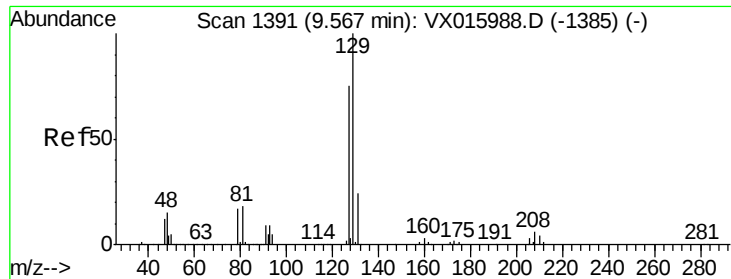
Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	76	Resp:	106311
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	64.2





#53

Dibromochloromethane

Concen: 18.150 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion:129 Resp: 66827

Ion Ratio Lower Upper

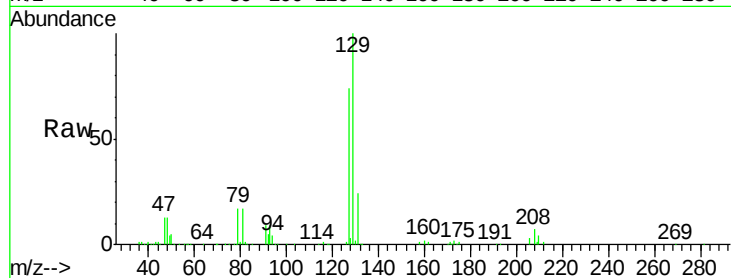
129 100

127 75.0 38.3 114.9

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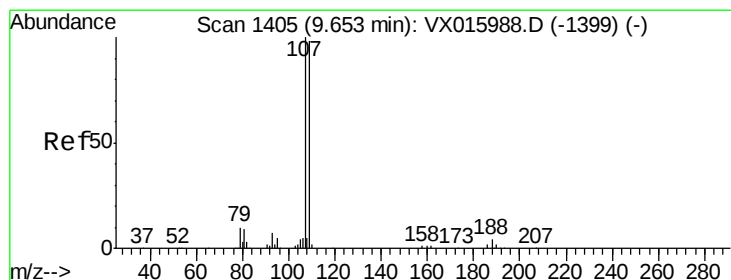
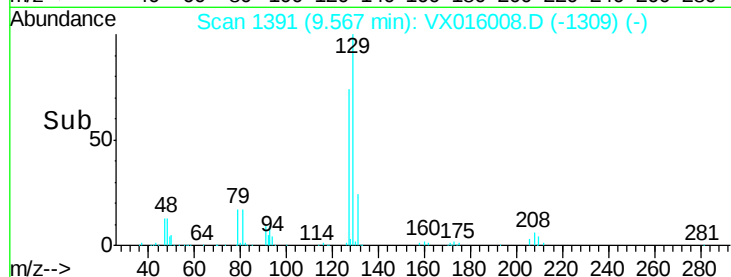
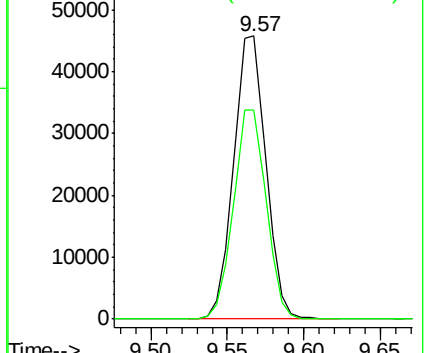
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.182 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016008.D

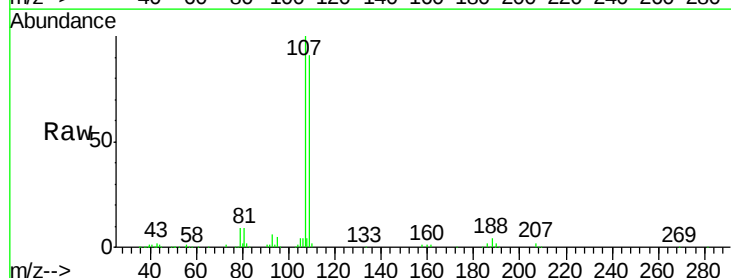
Acq: 01 May 2020 14:00

Tgt Ion:107 Resp: 64671

Ion Ratio Lower Upper

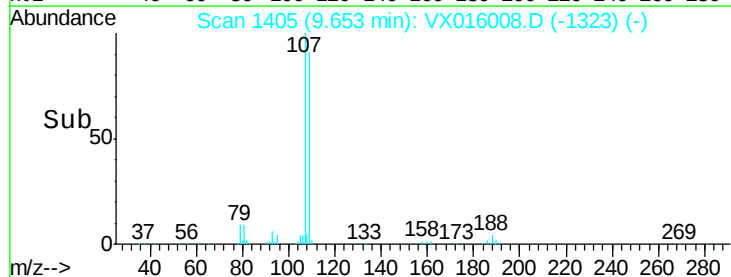
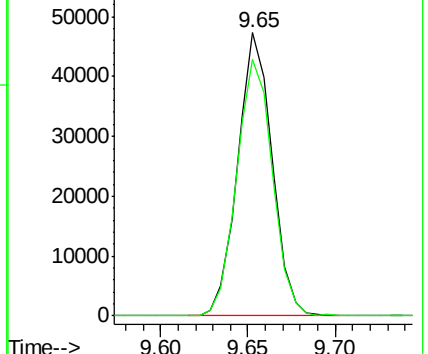
107 100

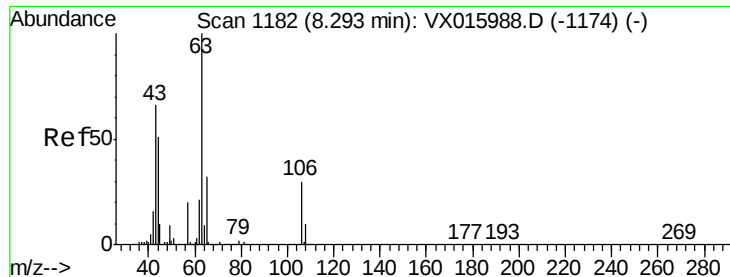
109 94.3 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





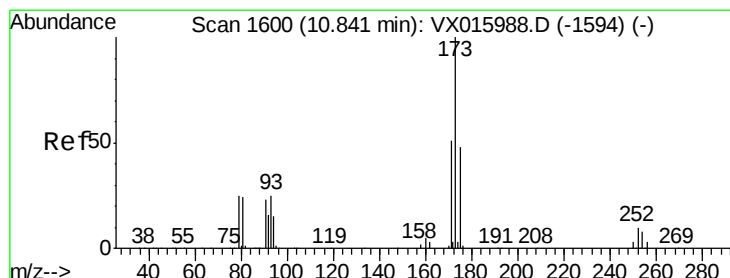
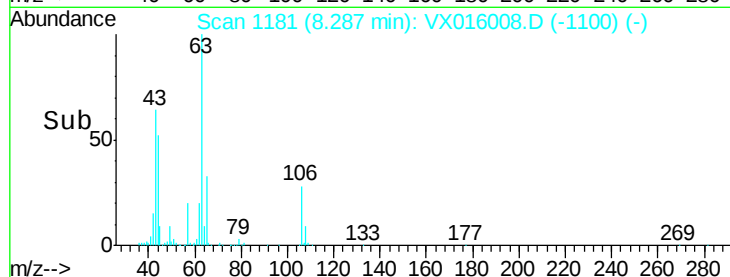
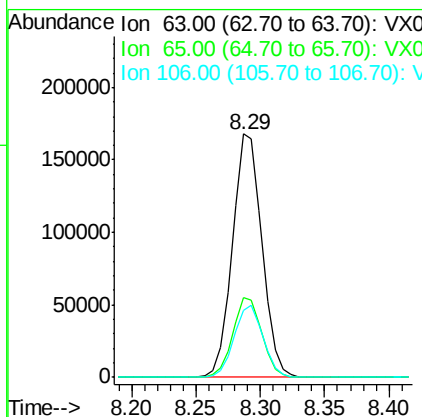
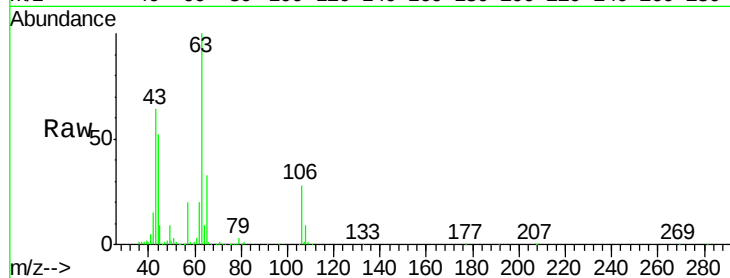
#55
 2-Chloroethyl vinyl ether
 Concen: 92.093 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.6	38.4
106	29.0	23.4	35.0

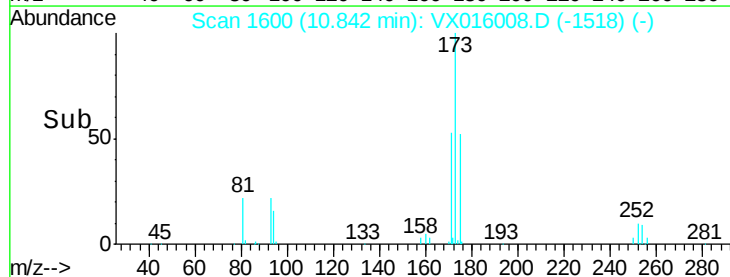
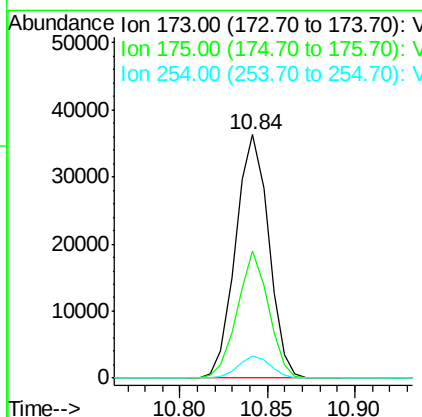
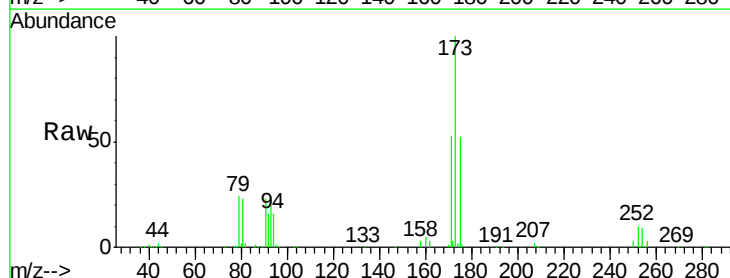
Manual Integrations
 APPROVED

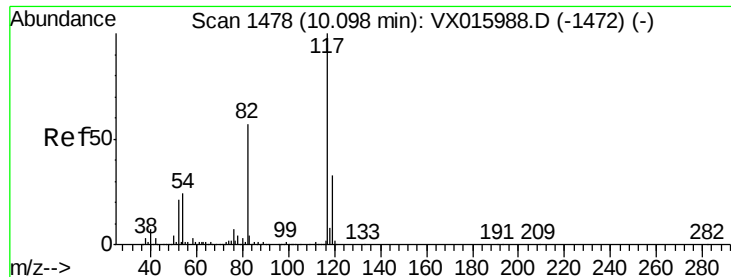
MMDadoda
 5/4/2020 2:19:55 PM



#56
 Bromoform
 Concen: 17.327 ug/l
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.0	57.0
254	9.1	6.8	10.2





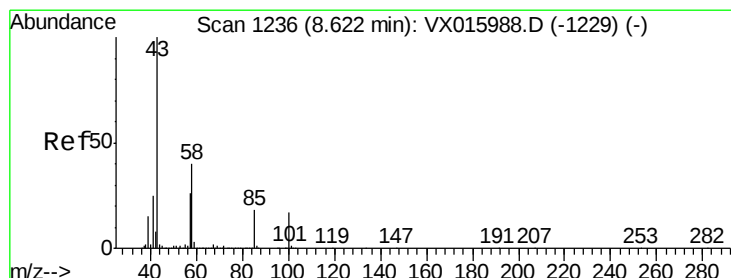
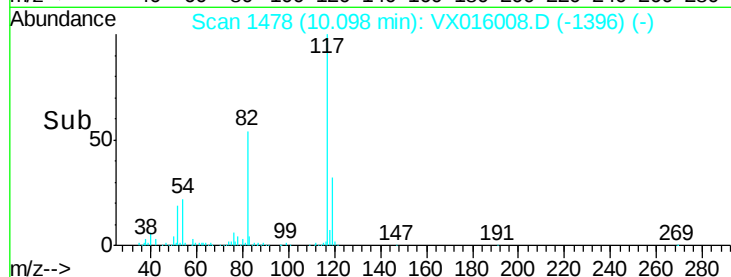
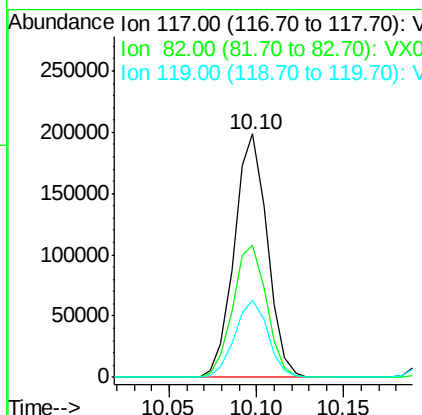
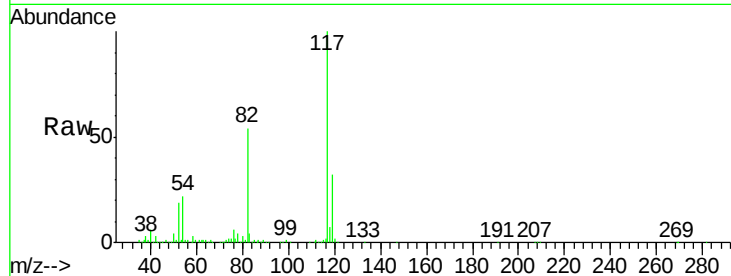
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.1	67.7
119	31.9	25.6	38.4

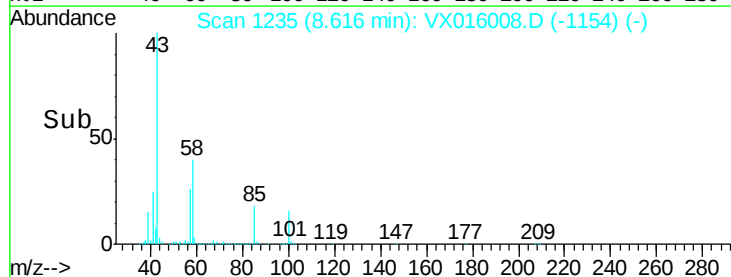
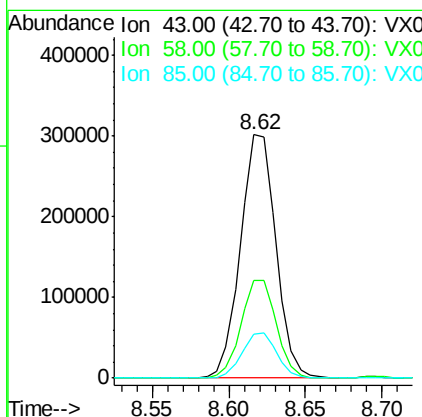
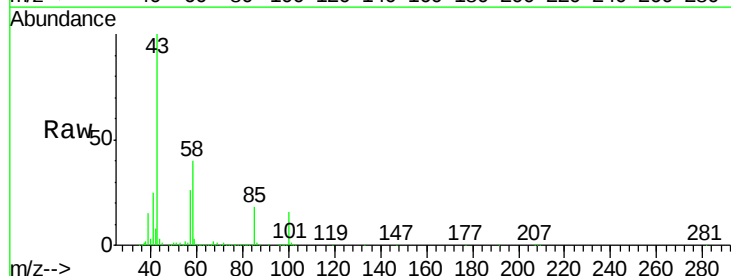
Manual Integrations
APPROVED

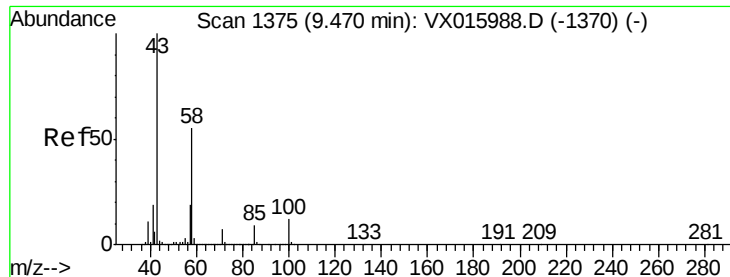
MMDadoda
5/4/2020 2:19:55 PM



#58
4-Methyl-2-Pentanone
Concen: 94.320 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.8	47.6
85	18.4	14.5	21.7





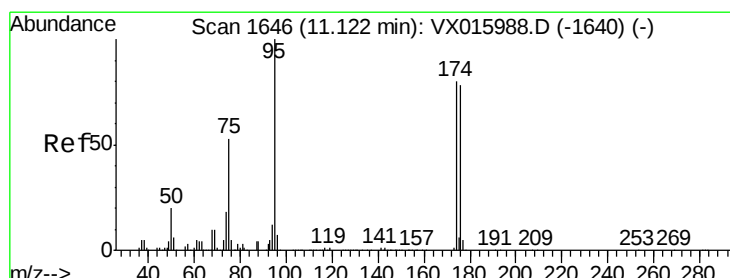
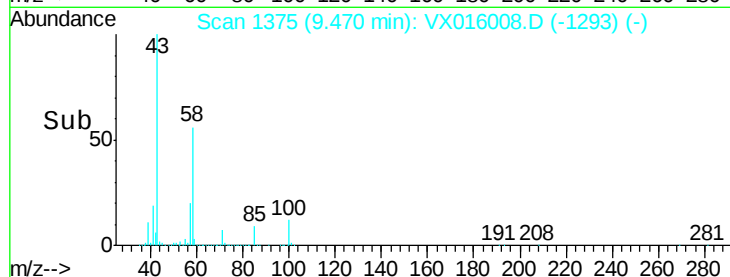
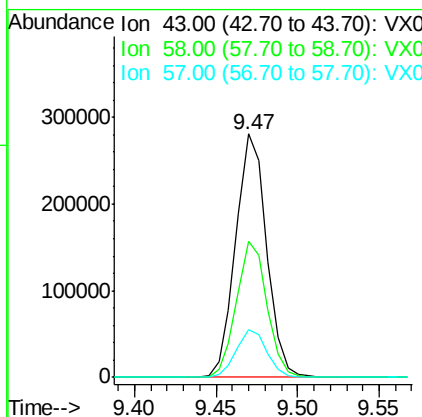
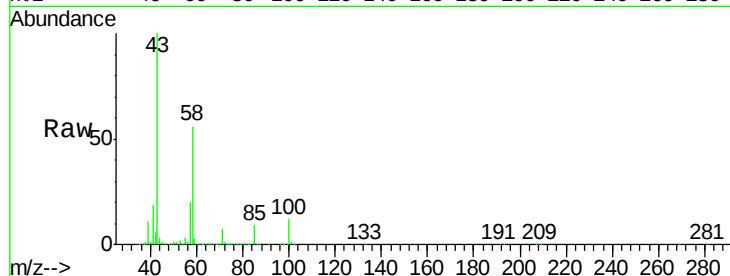
#59
2-Hexanone
Concen: 93.432 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.0	66.0
57	19.7	15.5	23.3

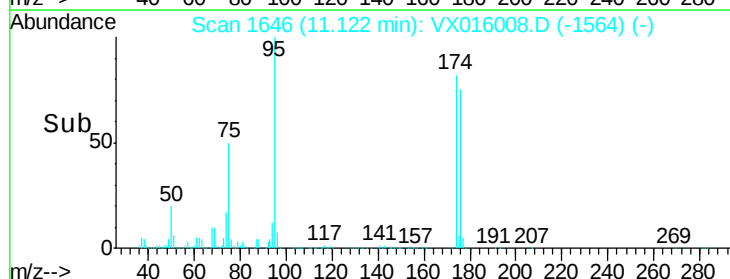
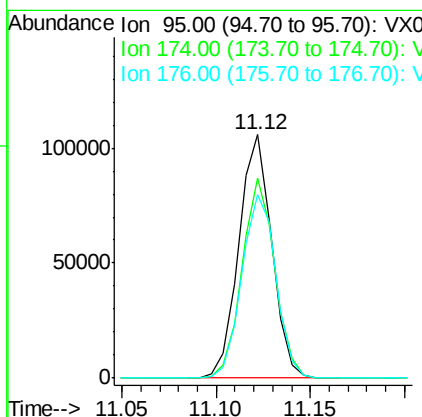
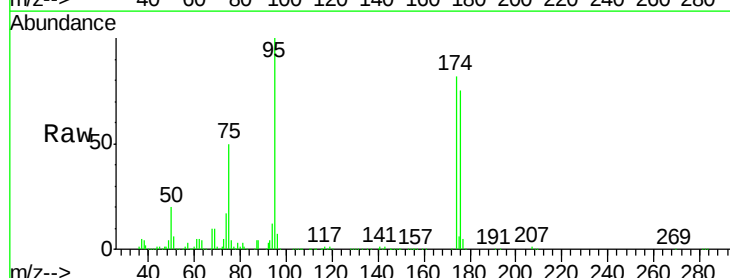
Manual Integrations
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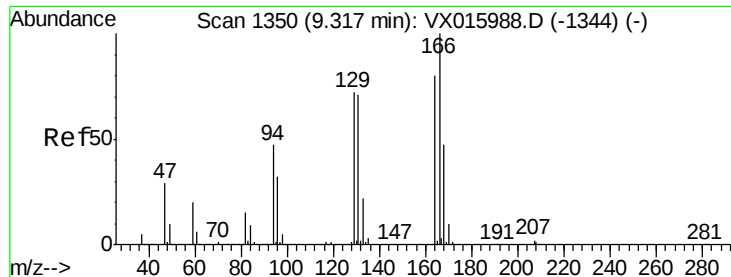
MMDadoda
5/4/2020 2:19:55 PM



#60
4-Bromofluorobenzene
Concen: 29.315 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.2	64.8	97.2
176	77.8	62.4	93.6





#61

Tetrachloroethene

Concen: 18.380 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion:164 Resp: 94697

Ion Ratio Lower Upper

164 100

166 122.3 100.1 150.1

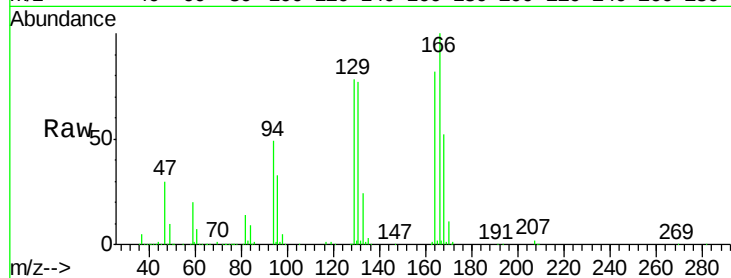
129 95.5 72.2 108.4

131 94.2 71.3 106.9

Manual Integrations
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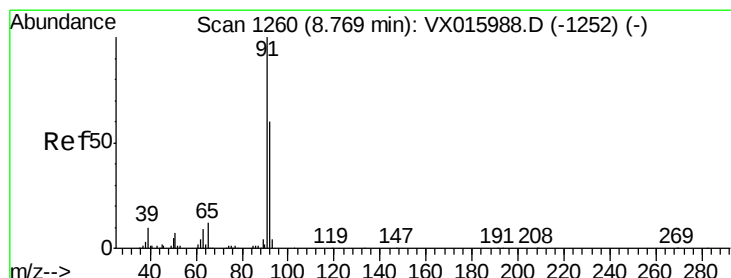
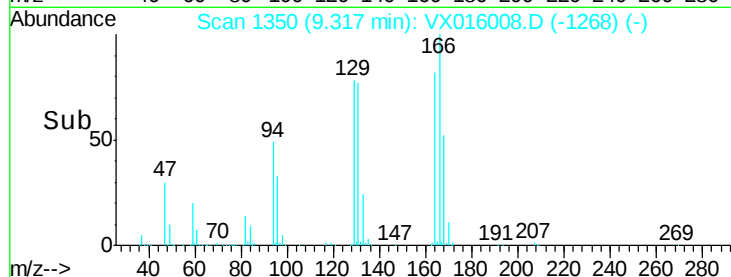
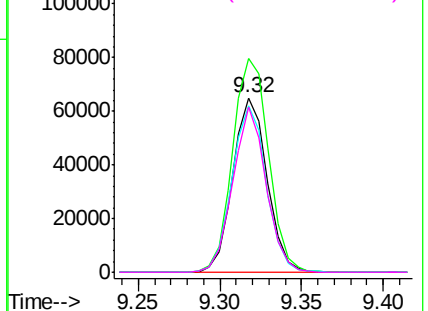


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.357 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016008.D

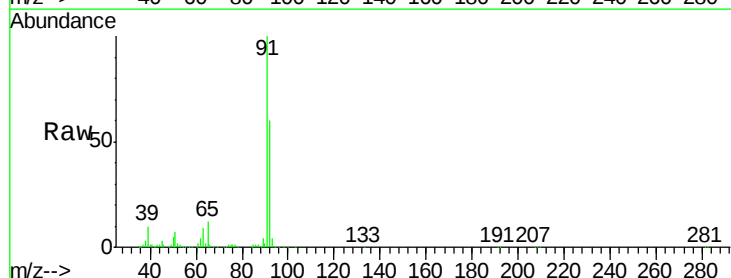
Acq: 01 May 2020 14:00

Tgt Ion: 91 Resp: 255436

Ion Ratio Lower Upper

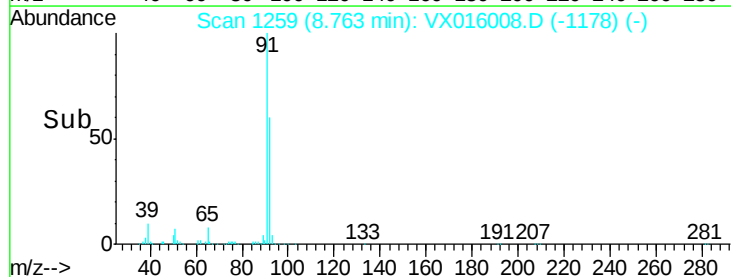
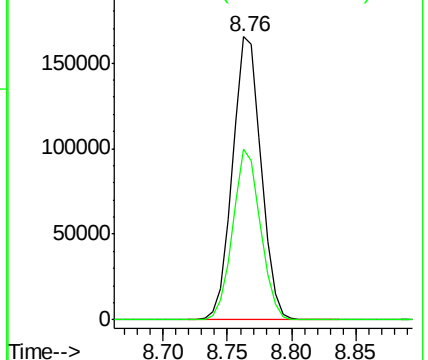
91 100

92 58.7 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.726 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion: 98 Resp: 332134

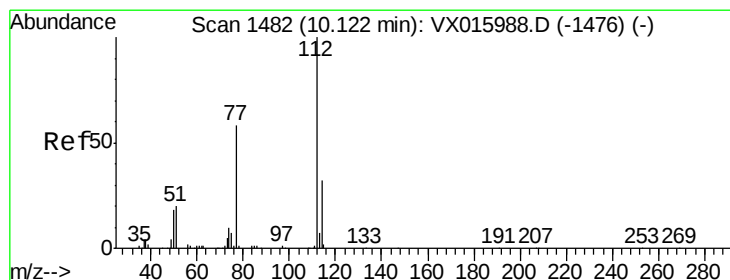
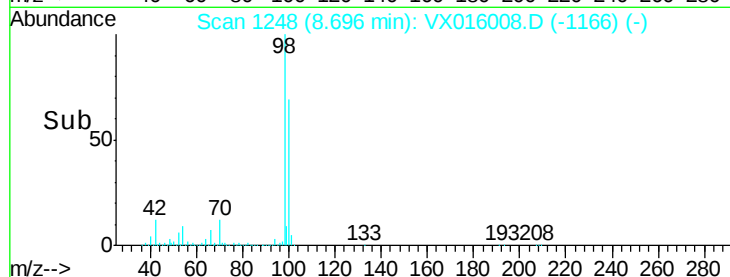
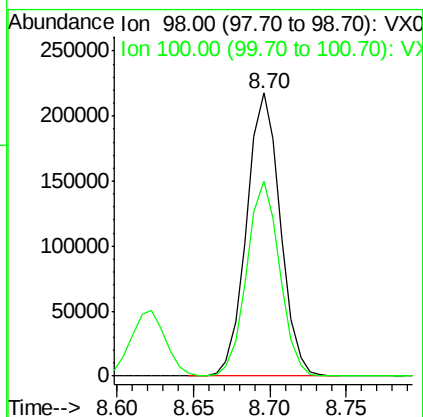
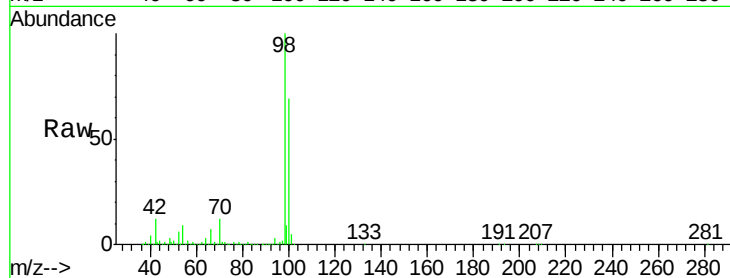
Ion Ratio Lower Upper

98 100

100 67.6 52.5 78.7

Manual Integrations
APPROVED

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#64

Chlorobenzene

Concen: 17.896 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016008.D

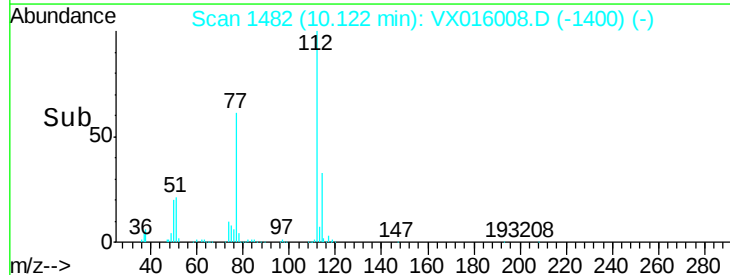
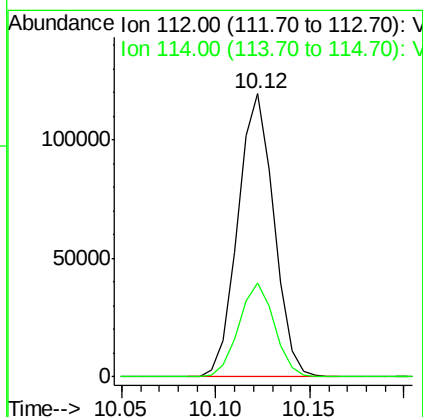
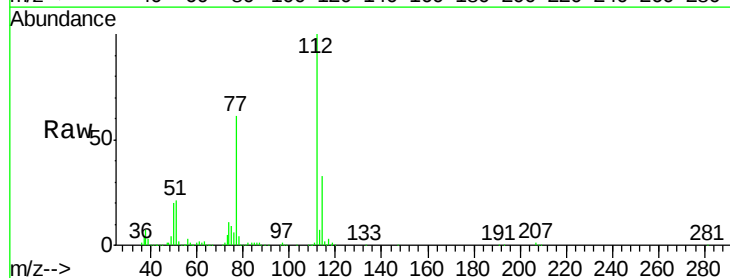
Acq: 01 May 2020 14:00

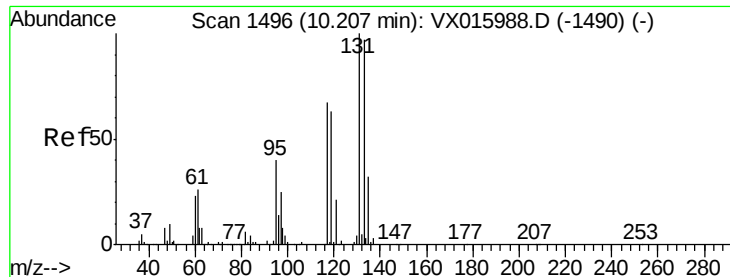
Tgt Ion: 112 Resp: 158556

Ion Ratio Lower Upper

112 100

114 33.0 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 17.755 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

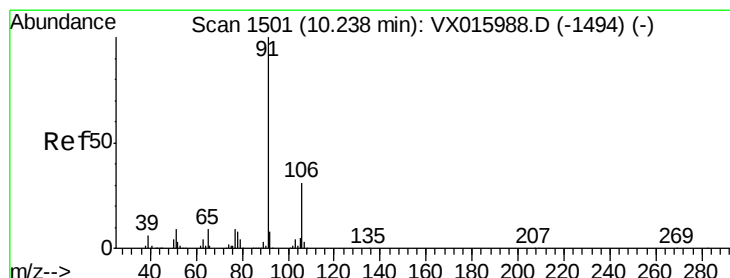
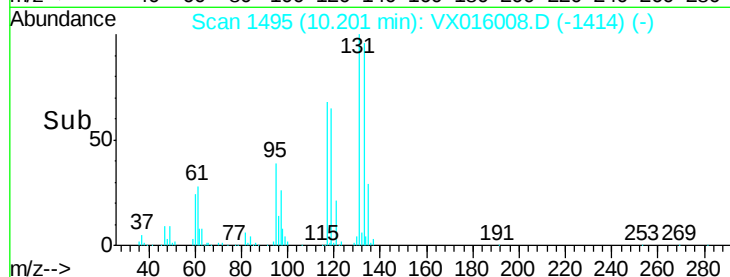
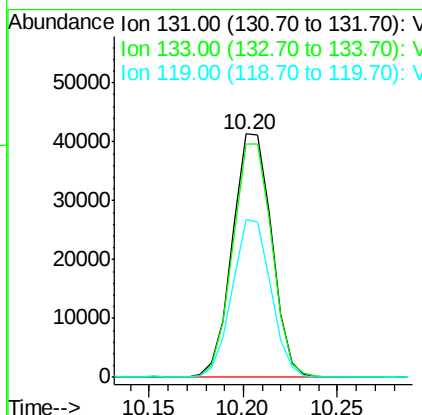
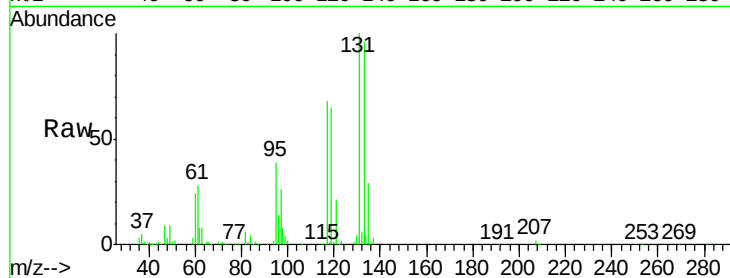
ClientSampleId :

VX0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
131	100	59718		
133	95.2	0.0	187.0	
119	64.1	0.0	129.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.119 ug/l

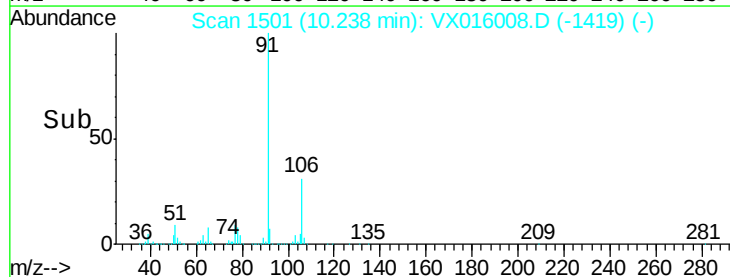
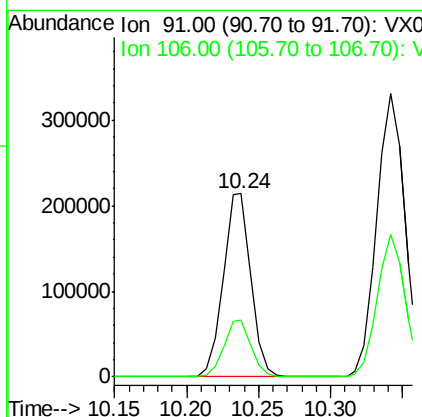
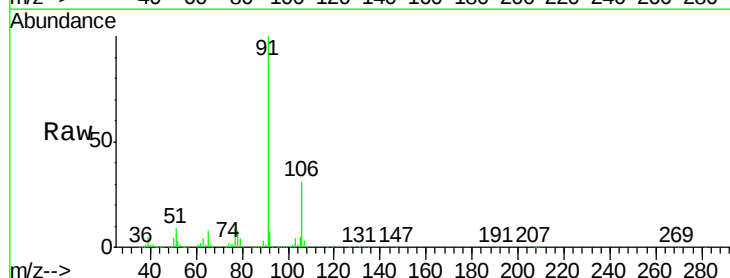
RT: 10.24 min Scan# 1501

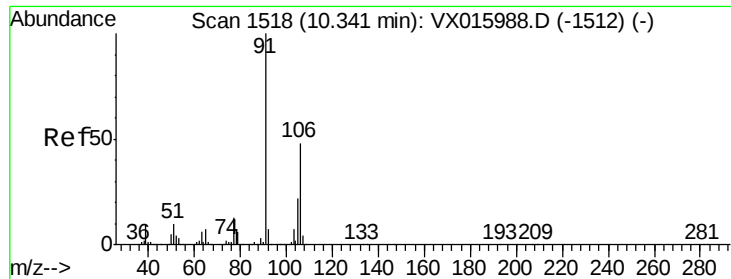
Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	287088		
106	30.7	24.8	37.2	





#67

m/p-Xylenes

Concen: 36.246 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion:106 Resp: 218784

Ion Ratio Lower Upper

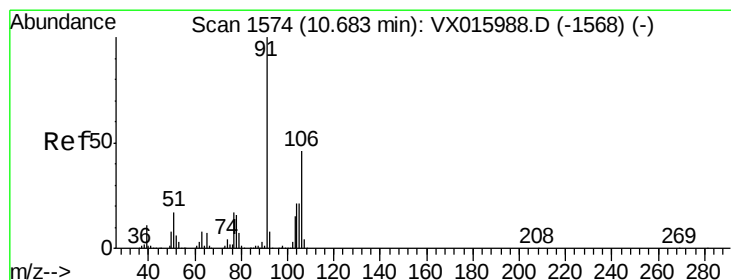
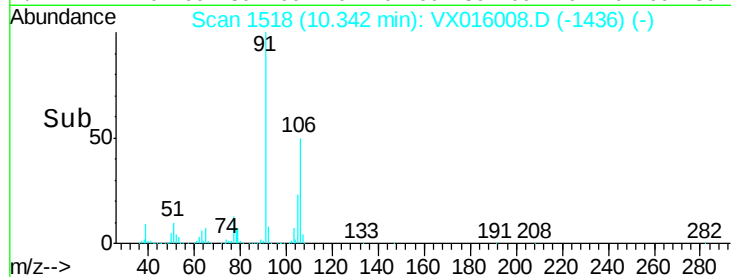
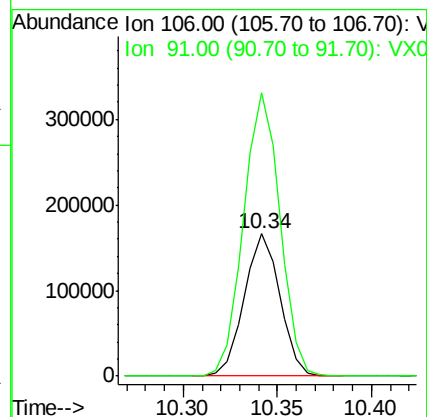
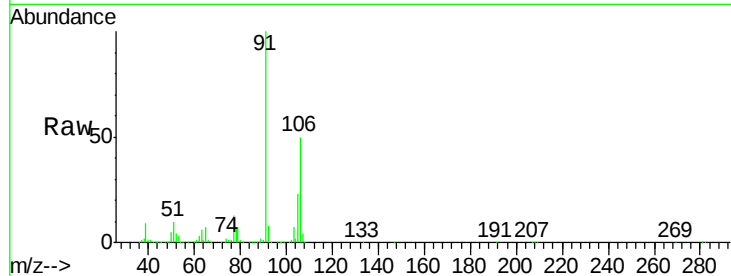
106 100

91 202.3 164.2 246.4

Manual Integrations
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#68

o-Xylene

Concen: 18.026 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016008.D

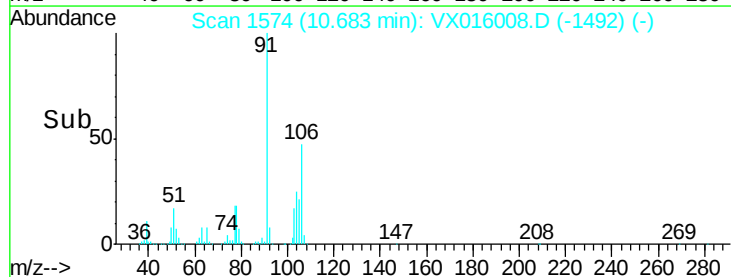
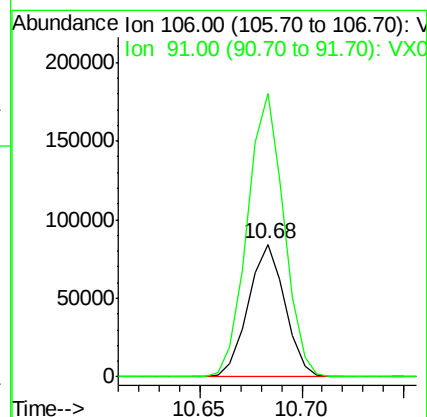
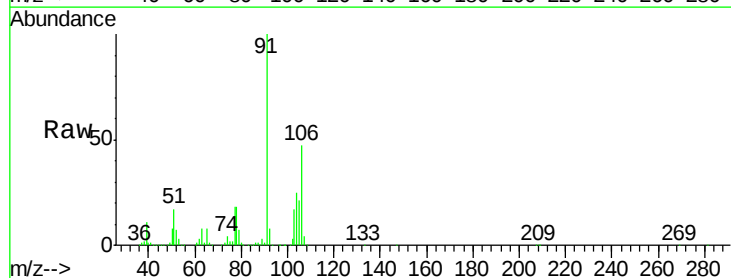
Acq: 01 May 2020 14:00

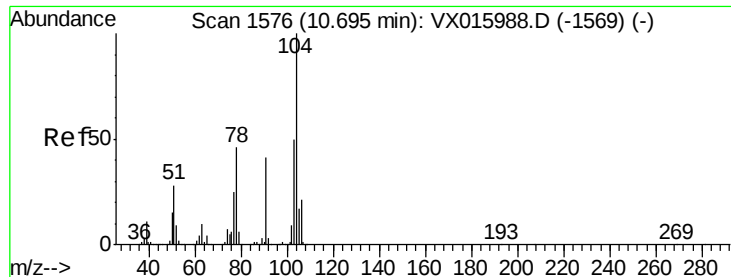
Tgt Ion:106 Resp: 104927

Ion Ratio Lower Upper

106 100

91 213.3 108.3 325.0





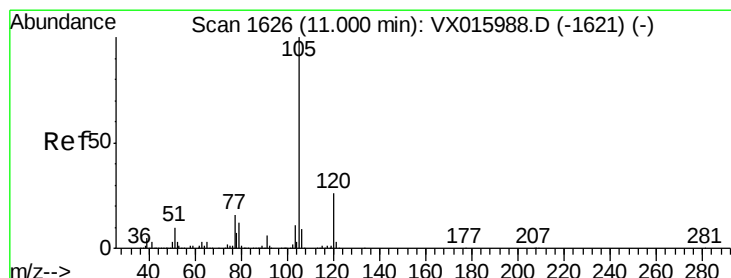
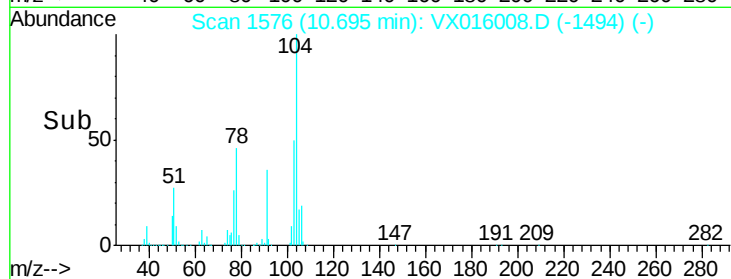
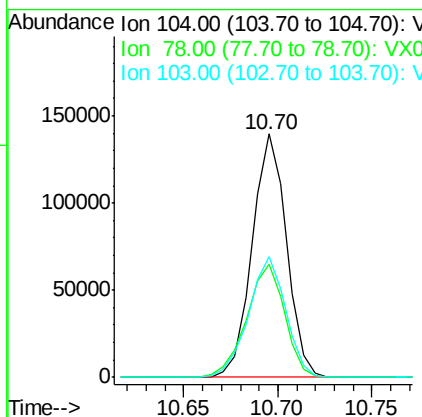
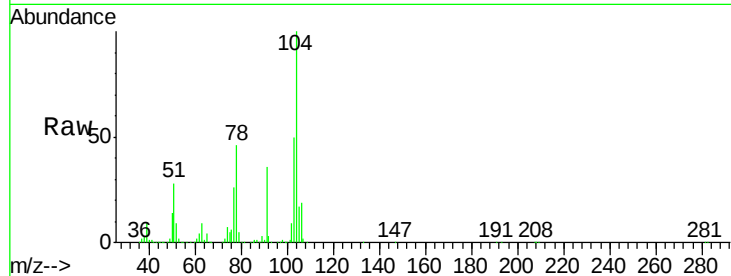
#69
Stvrene
Concen: 17.657 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
104	100	175905		
78	51.5		40.7	61.1
103	53.8		43.0	64.4

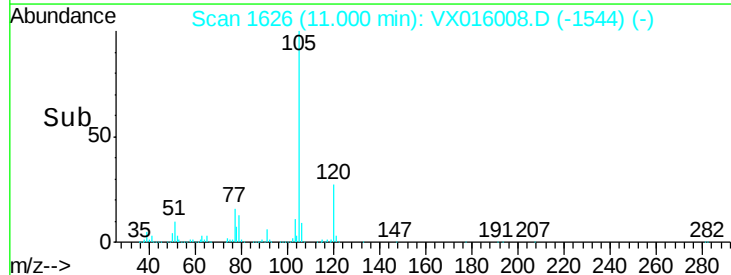
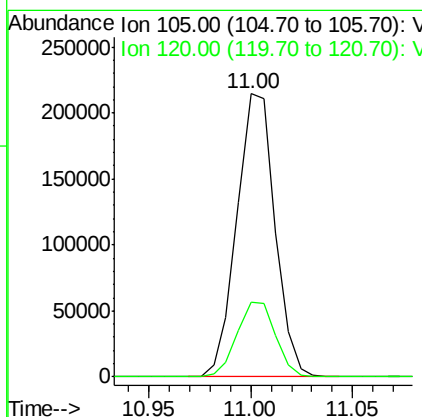
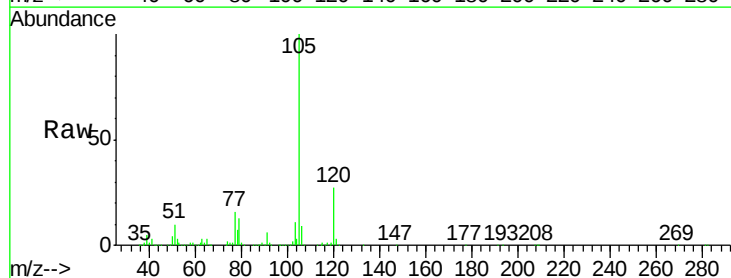
Manual Integrations
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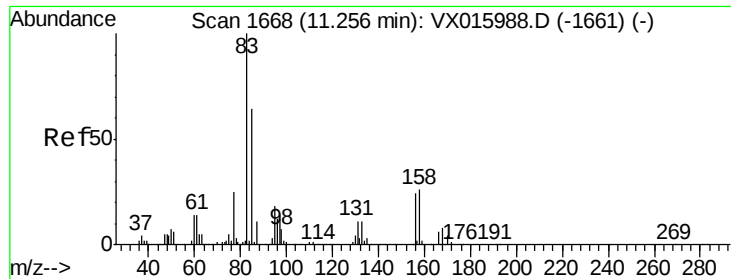
MMDadoda
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#70
Isopropylbenzene
Concen: 17.764 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279172		
120	26.7		18.6	34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 15.526 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

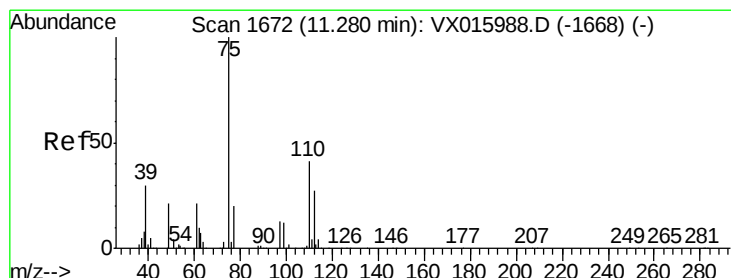
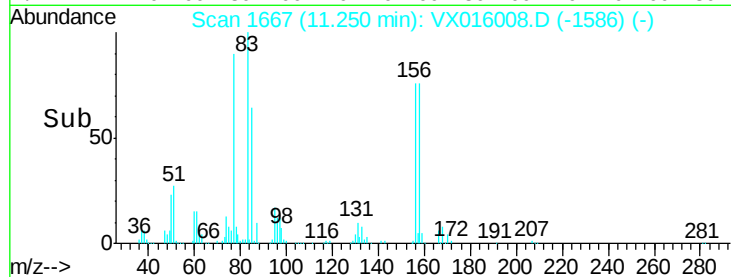
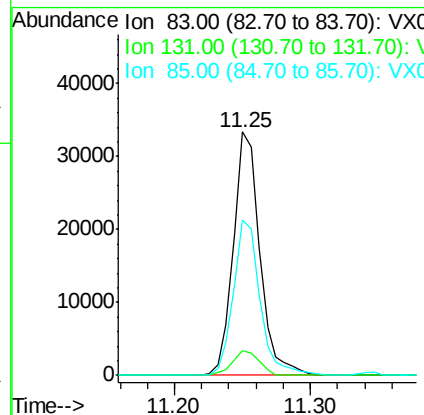
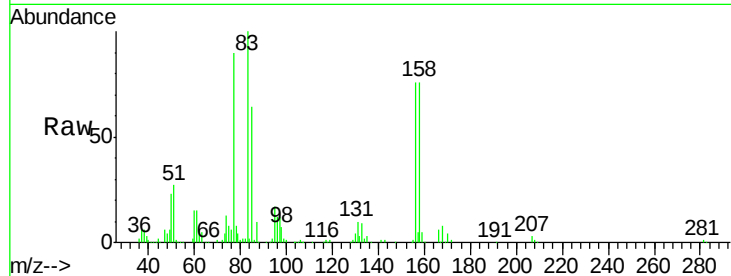
ClientSampleId :

VX0501WBSD02

Tot Ion:	83	Resp:	45358
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	33.0	98.9

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 18.857 ug/l m

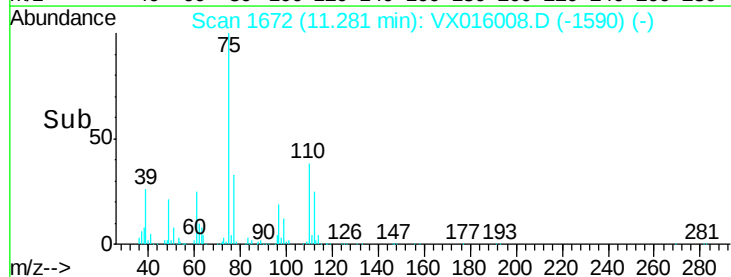
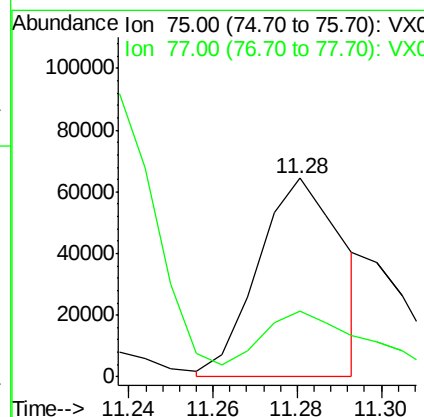
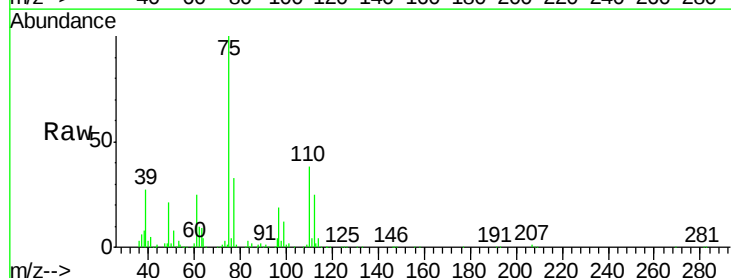
RT: 11.28 min Scan# 1672

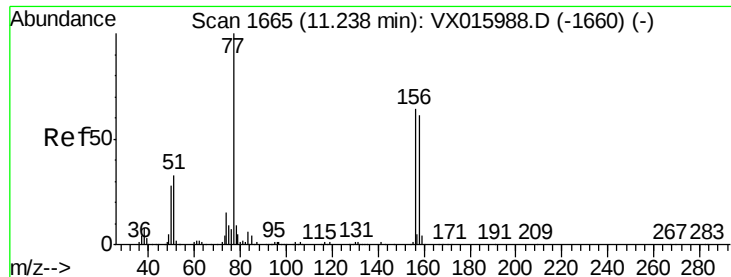
Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	75	Resp:	89228
Ion Ratio	Lower	Upper	
75	100		
77	41.8	0.0	86.0





#73

Bromobenzene

Concen: 18.180 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion:156 Resp: 71996

Ion Ratio Lower Upper

156 100

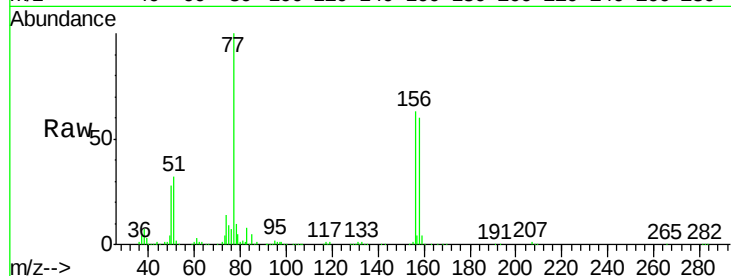
77 158.2 0.0 318.0

158 96.4 0.0 193.2

Manual Integrations
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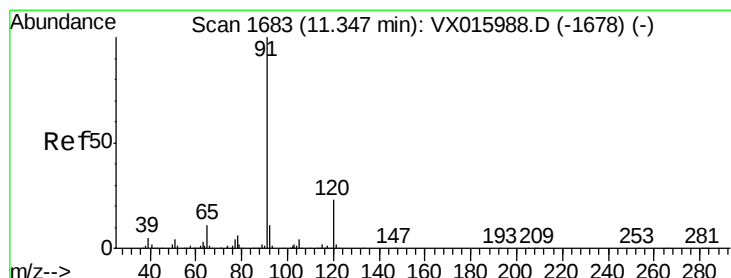
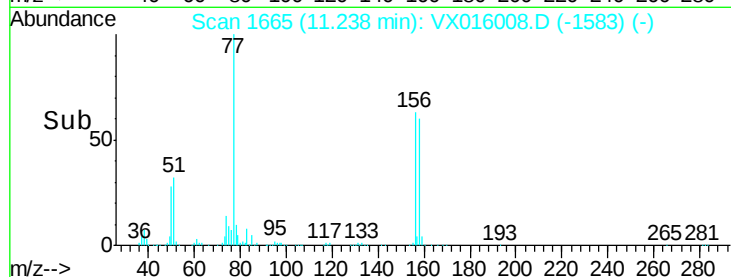
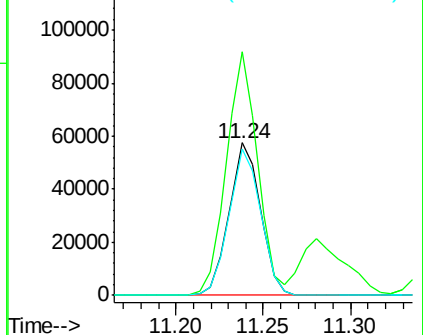
5/4/2020 2:19:55 PM



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: 17.810 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016008.D

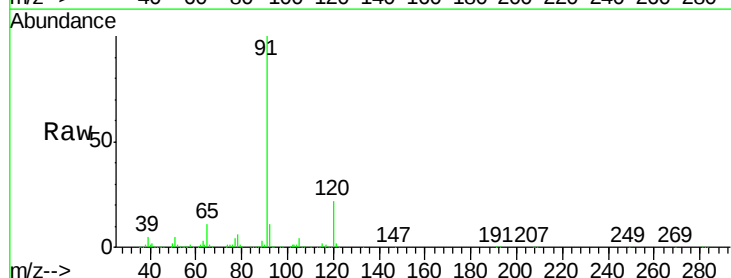
Acq: 01 May 2020 14:00

Tgt Ion: 91 Resp: 325106

Ion Ratio Lower Upper

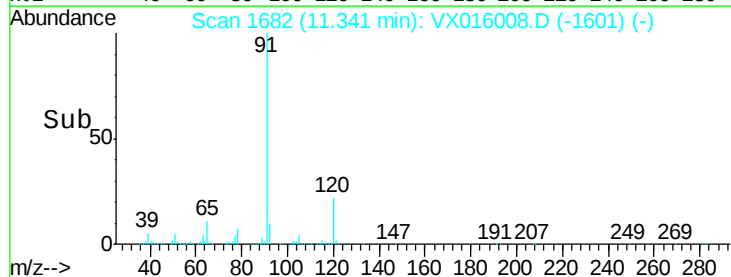
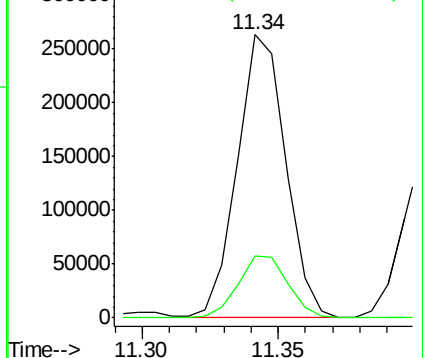
91 100

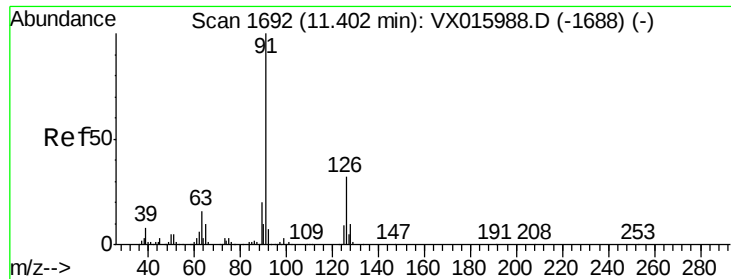
120 22.6 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.683 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion: 91 Resp: 189679

Ion Ratio Lower Upper

91 100

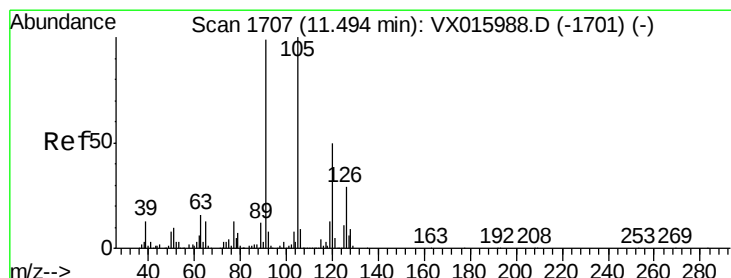
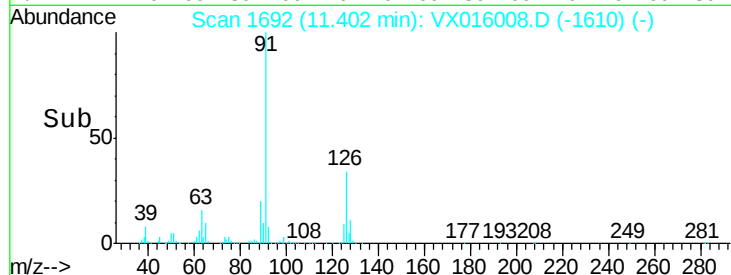
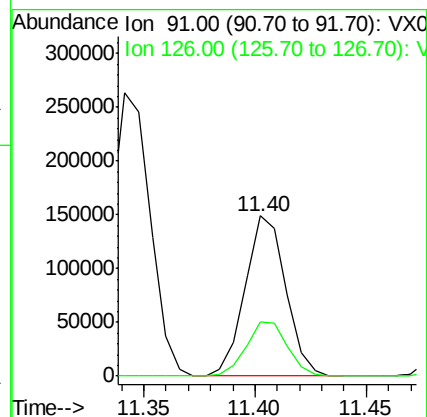
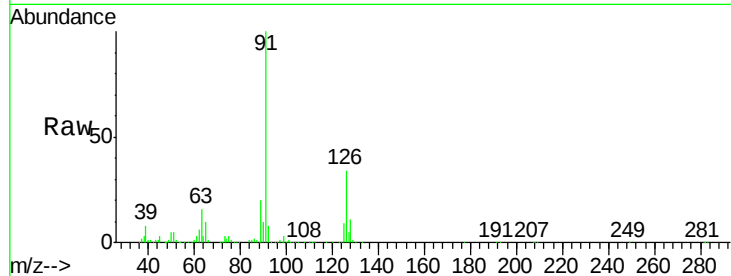
126 34.5 0.0 66.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 17.587 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX016008.D

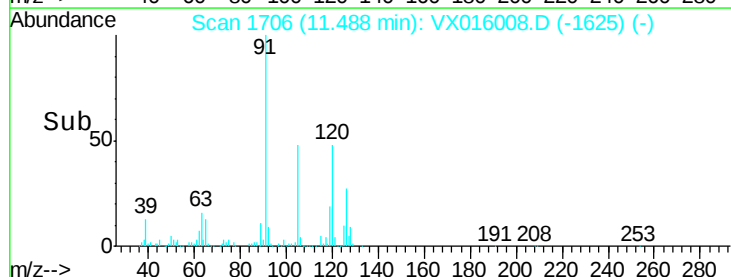
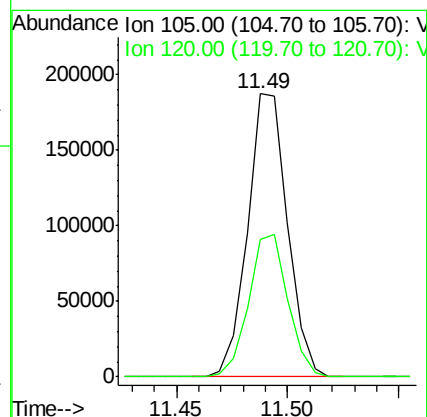
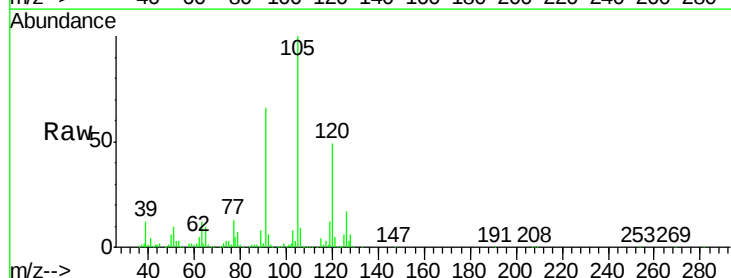
Acq: 01 May 2020 14:00

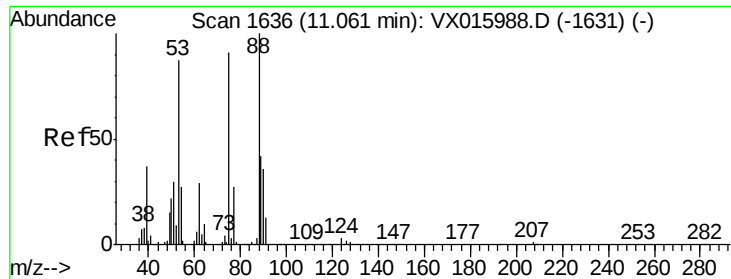
Tgt Ion: 105 Resp: 234603

Ion Ratio Lower Upper

105 100

120 49.5 0.0 99.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.171 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

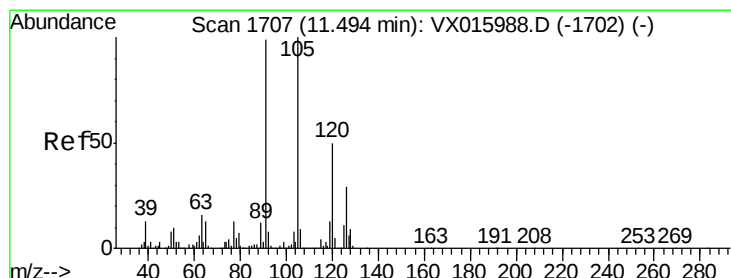
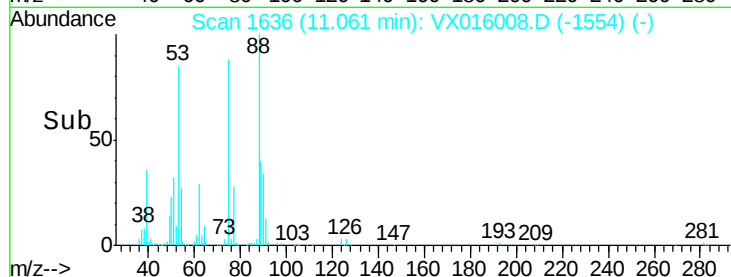
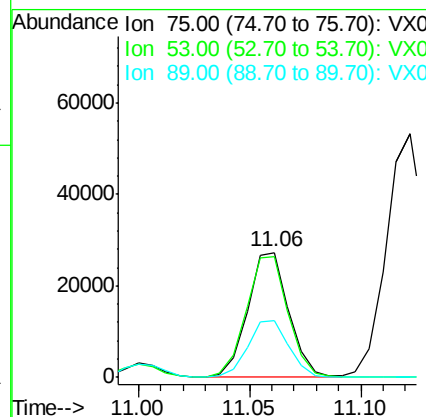
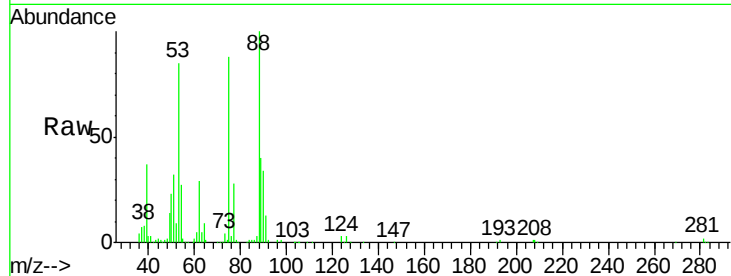
ClientSampleId :

VX0501WBSD02

Tot Ion:	75	Resp:	34935
Ion Ratio	Lower	Upper	
75	100		
53	97.0	48.0	144.2
89	45.4	23.4	70.3

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#78

4-Chlorotoluene

Concen: 17.818 ug/l

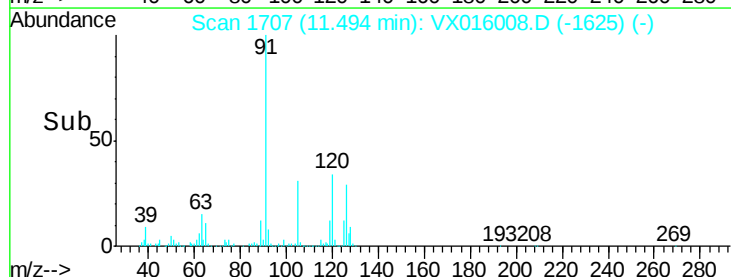
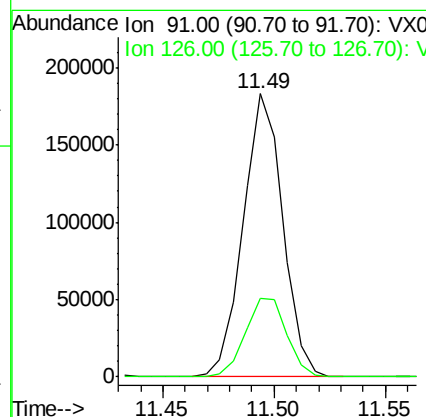
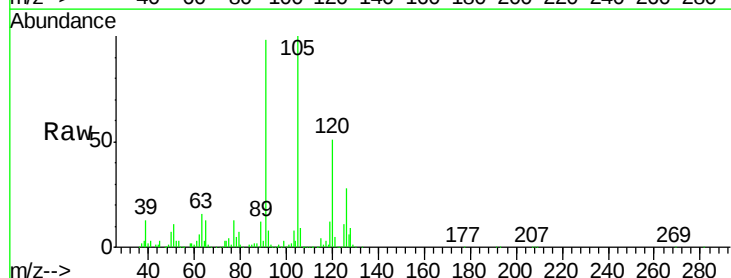
RT: 11.49 min Scan# 1707

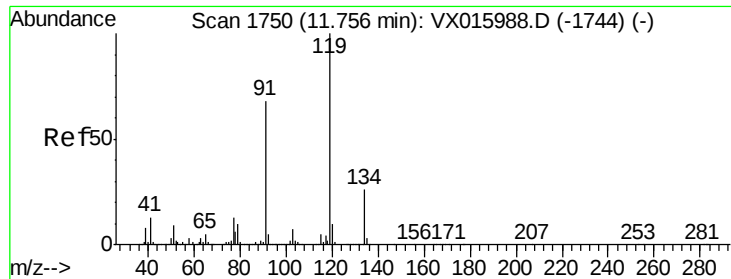
Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	91	Resp:	226236
Ion Ratio	Lower	Upper	
91	100		
126	29.2	0.0	58.4





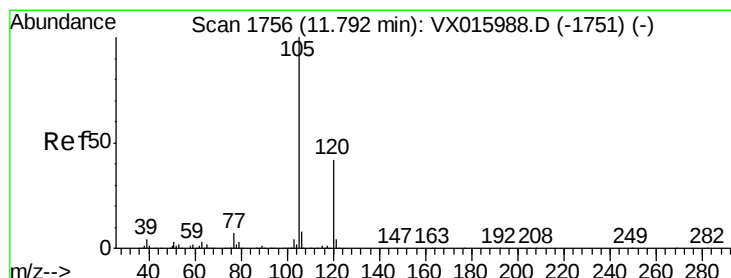
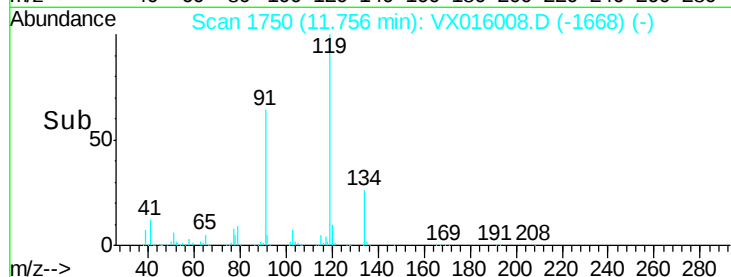
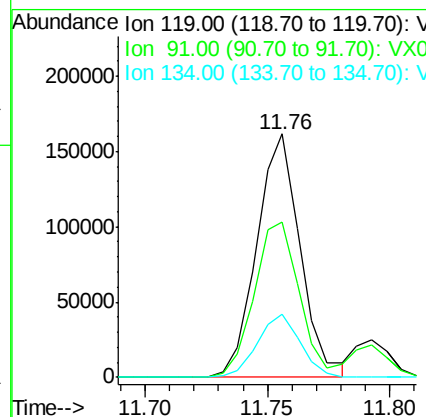
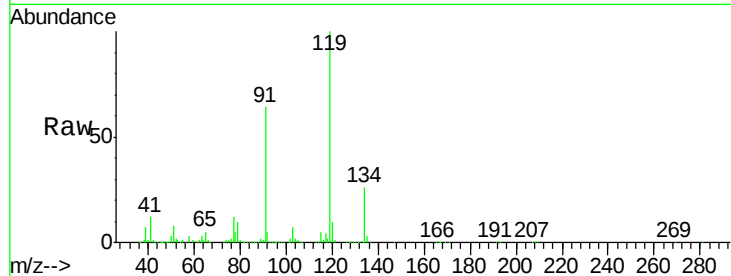
#79
tert-butylbenzene
Concen: 17.638 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	200943		
91	65.7	0.0	135.6	
134	25.4	0.0	51.0	

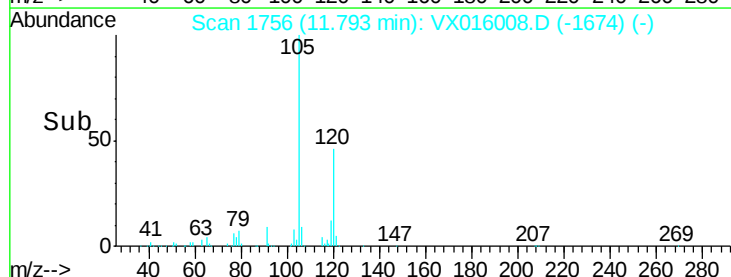
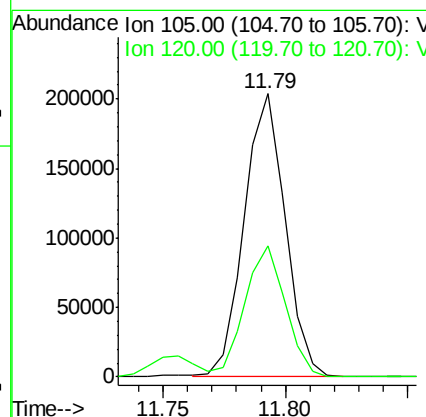
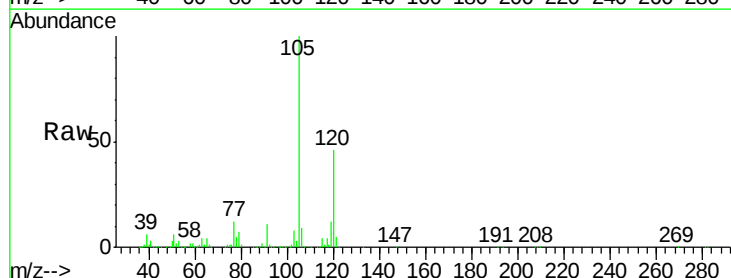
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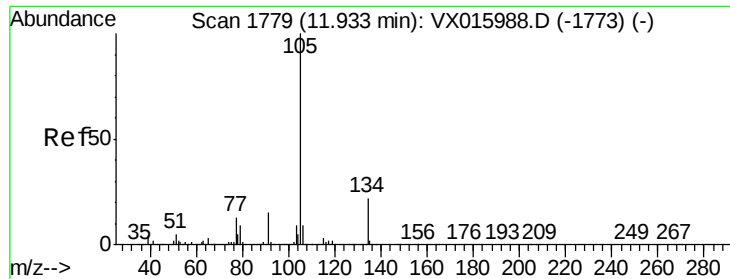
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#80
1,2,4-Trimethylbenzene
Concen: 17.804 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237279		
120	45.9	0.0	91.0	





#81

sec-Butylbenzene

Concen: 17.672 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBSD02

Tot Ion:105 Resp: 271545

Ion Ratio Lower Upper

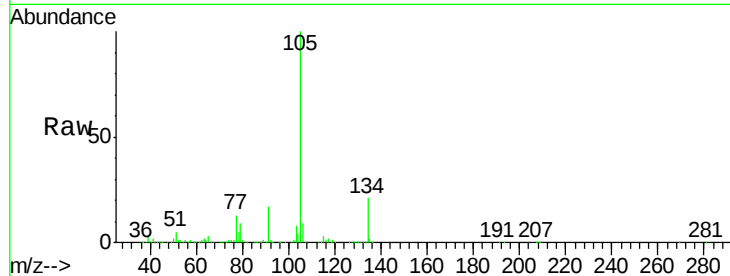
105 100

134 20.6 0.0 41.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

250000

200000

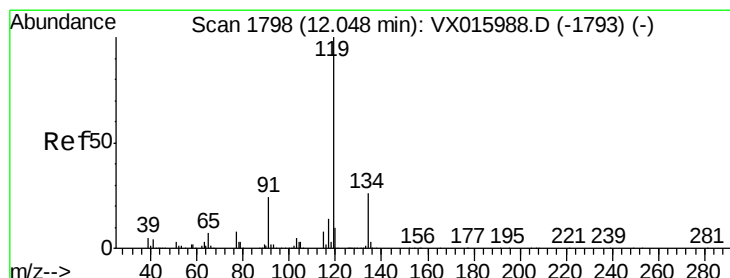
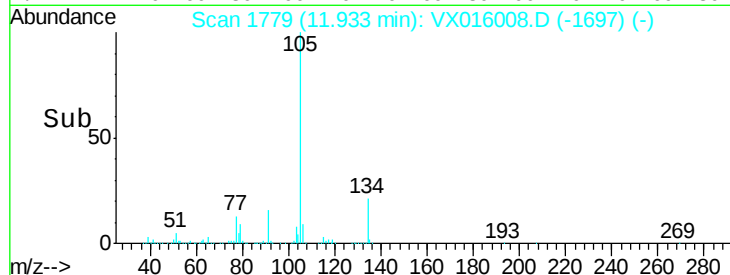
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 17.686 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

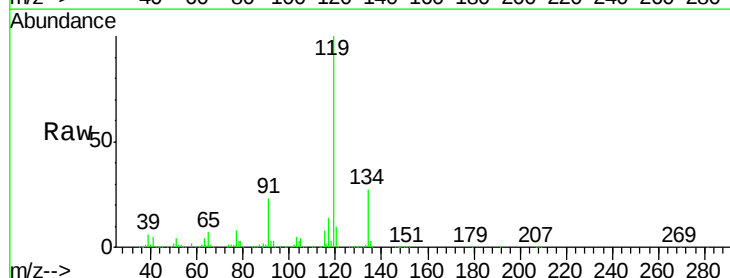
Tgt Ion:119 Resp: 251847

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.6

91 23.6 0.0 47.6



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

12.05

300000

250000

200000

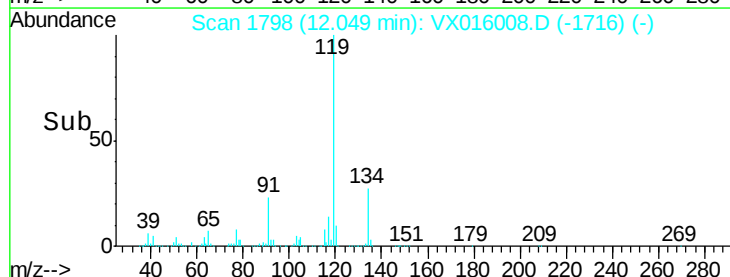
150000

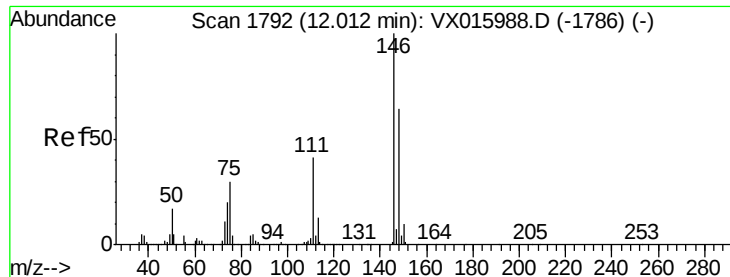
100000

50000

0

Time-->





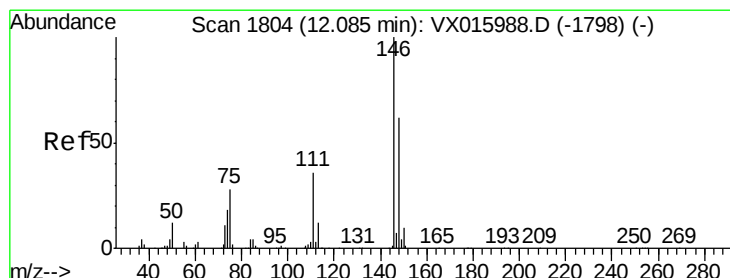
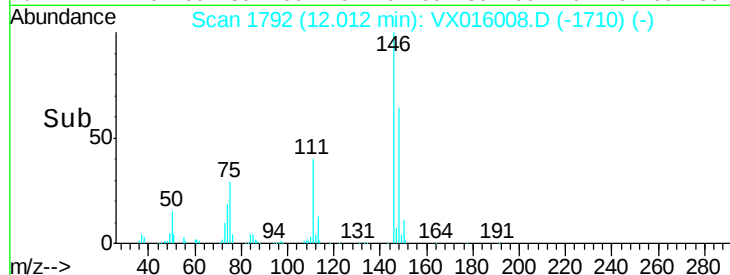
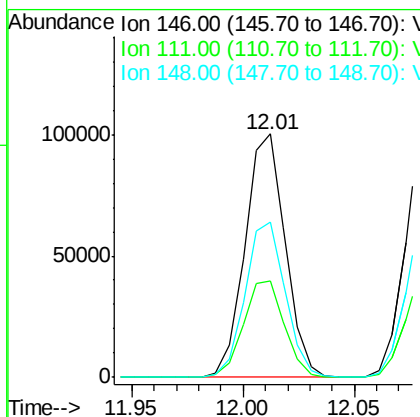
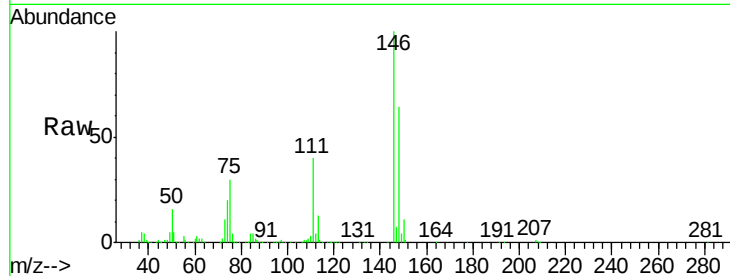
#83
 1,3-Dichlorobenzene
 Concen: 17.683 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	63.8	31.9	95.9

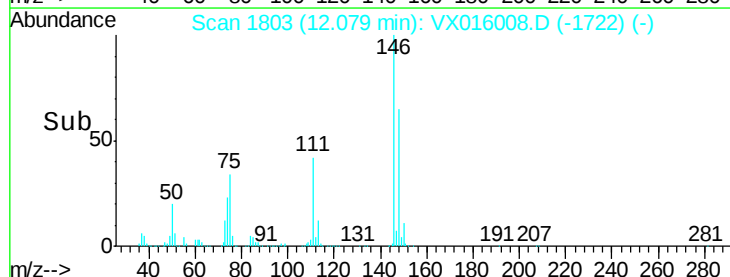
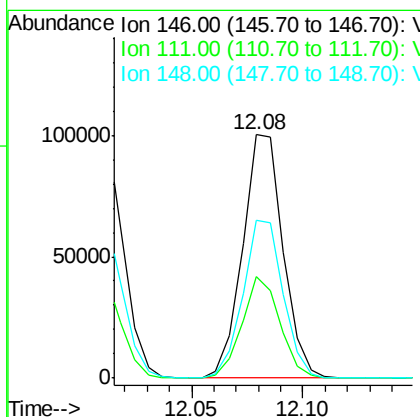
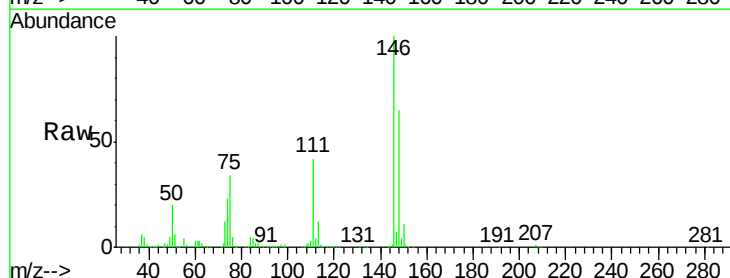
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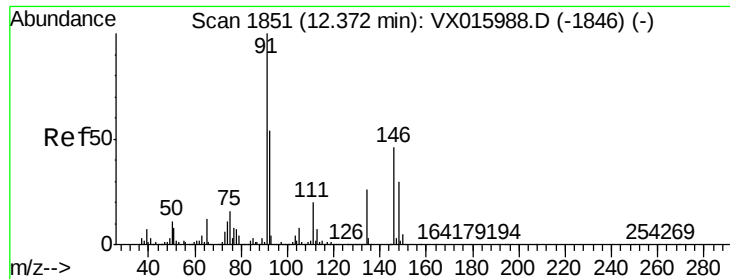
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#84
 1,4-Dichlorobenzene
 Concen: 17.981 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.4	32.0	96.0





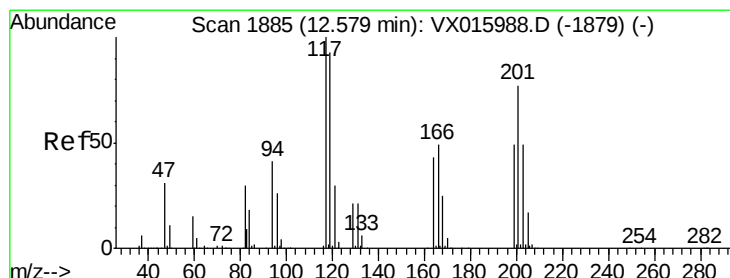
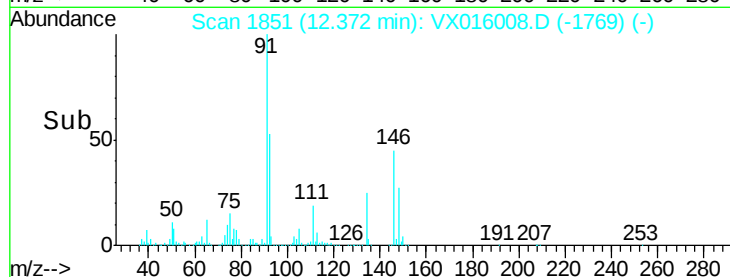
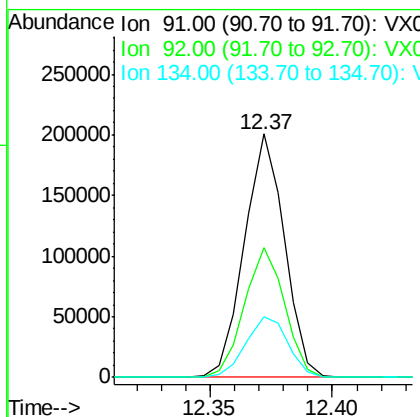
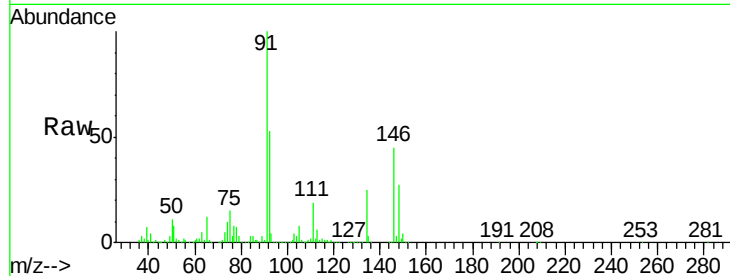
#85
n-Butylbenzene
Concen: 17.588 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	228768		
92	53.6	0.0	110.2	
134	26.2	0.0	53.4	

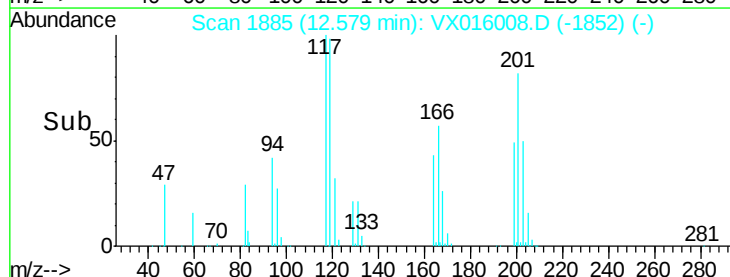
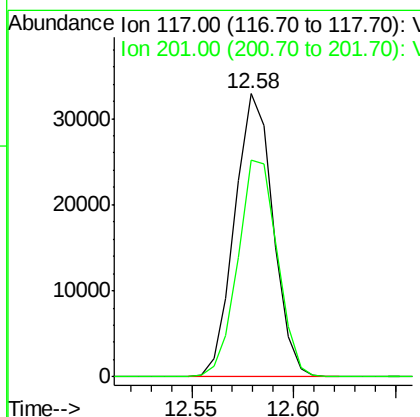
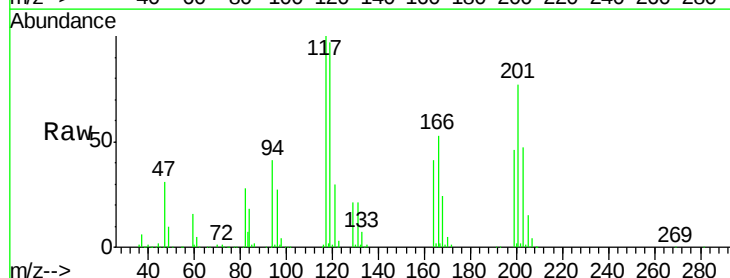
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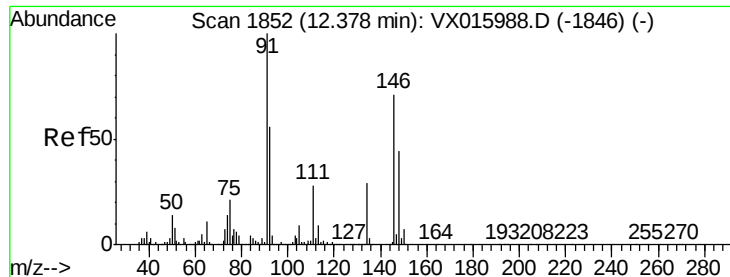
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#86
Hexachloroethane
Concen: 17.132 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42947		
201	79.0	40.1	120.2	





#87

1,2-Dichlorobenzene

Concen: 17.871 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Instrument :

MSVOA_X

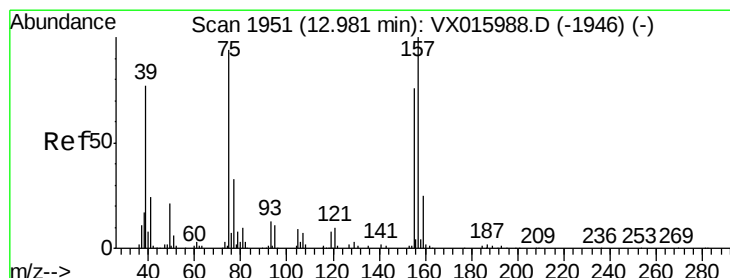
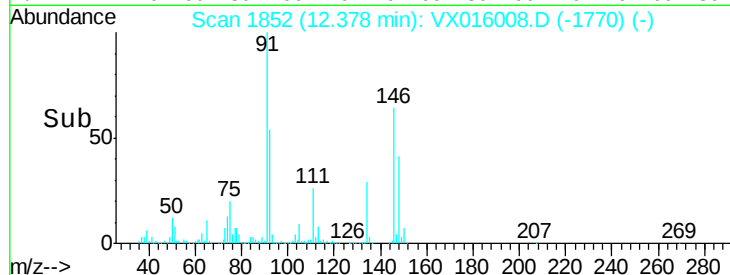
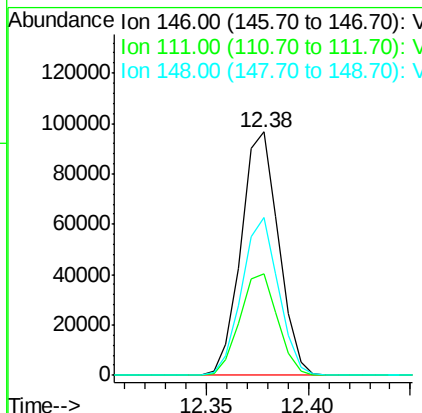
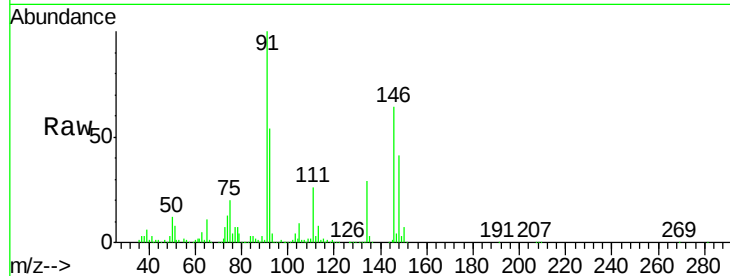
ClientSampleId :

VX0501WBSD02

Tot Ion:	146	Resp:	123403
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.7	62.1
148	63.6	32.0	96.2

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.022 ug/l

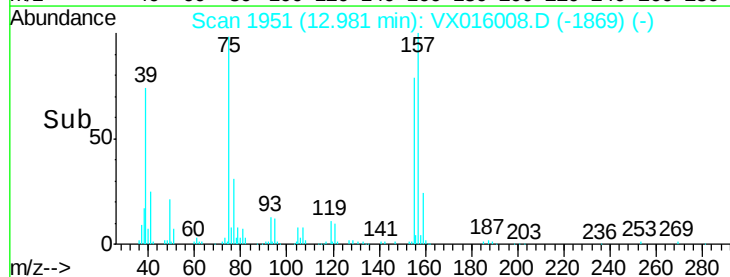
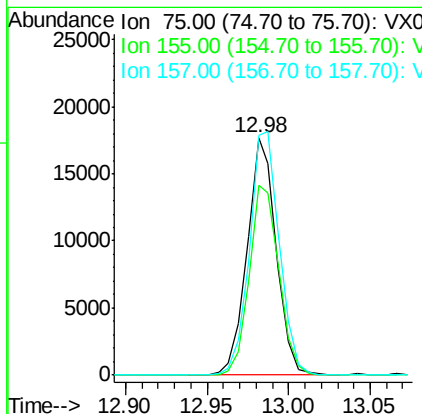
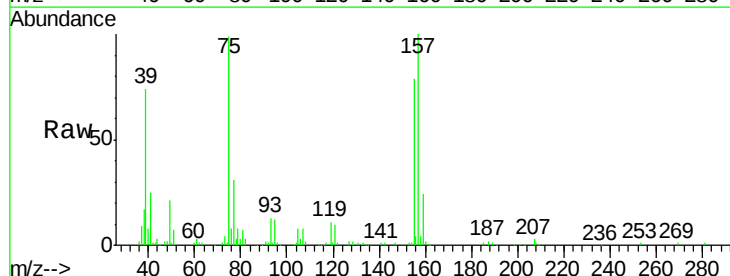
RT: 12.98 min Scan# 1951

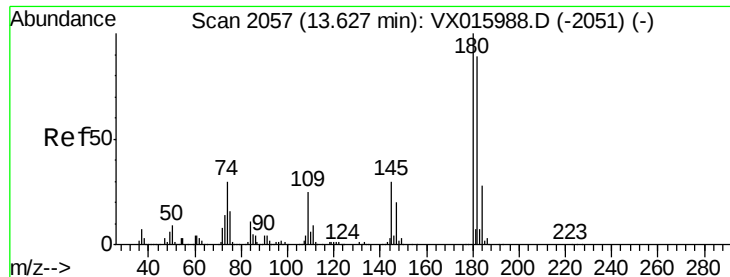
Delta R.T. 0.00 min

Lab File: VX016008.D

Acq: 01 May 2020 14:00

Tgt Ion:	75	Resp:	22032
Ion Ratio	Lower	Upper	
75	100		
155	80.9	66.9	100.3
157	105.2	88.2	132.2





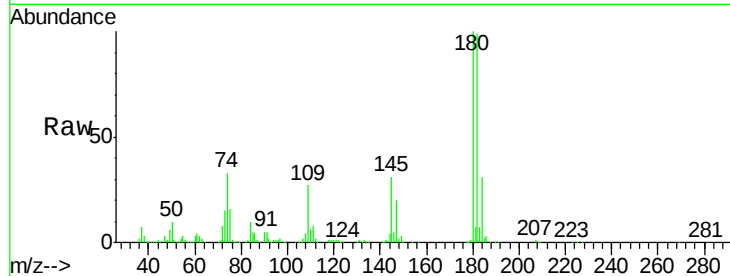
#89
 1,2,4-Trichlorobenzene
 Concen: 17.238 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBSD02

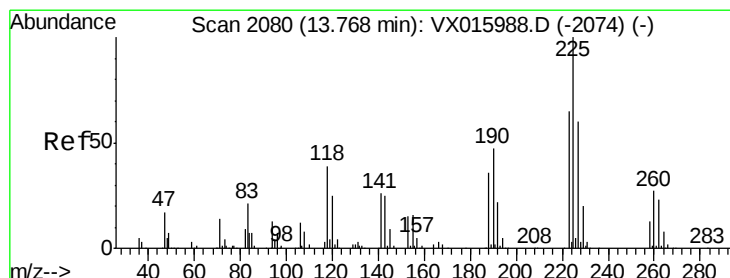
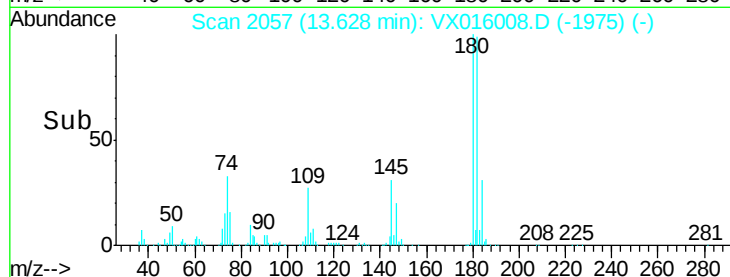
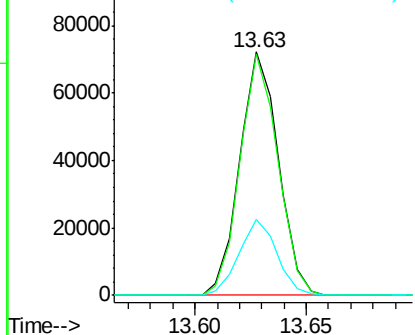
Tot Ion	Ratio	Resp	Lower	Upper
180	100	87675		
182	97.3	75.0	112.6	
145	30.5	23.9	35.9	

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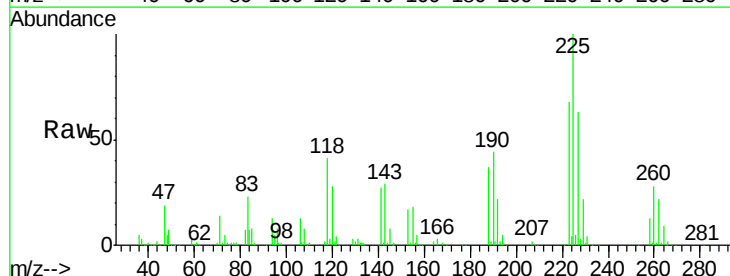


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

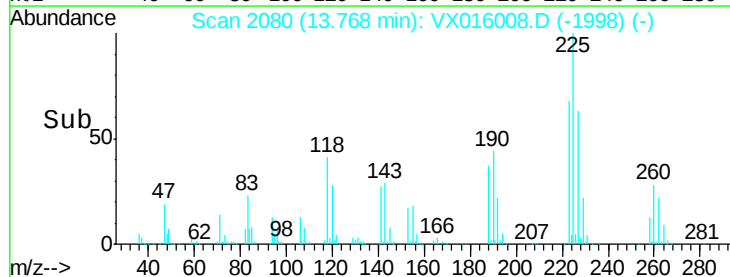
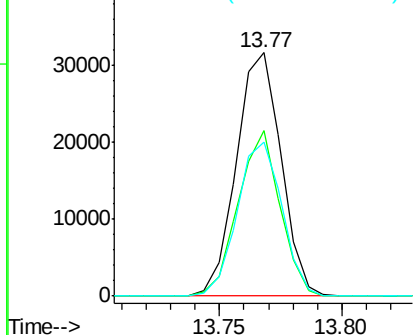


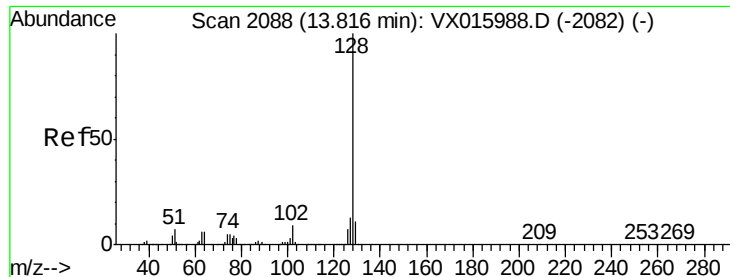
#90
 Hexachlorobutadiene
 Concen: 18.452 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016008.D
 Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40335		
223	63.5	0.0	123.6	
227	63.1	0.0	123.6	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





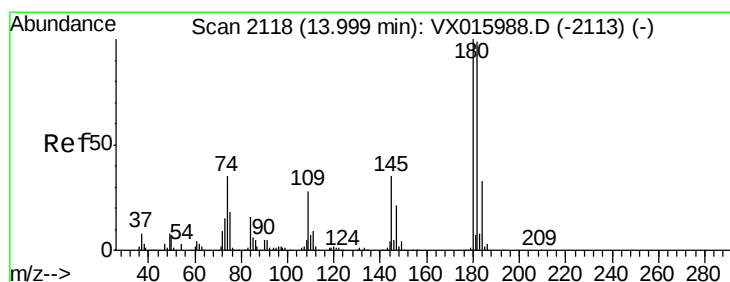
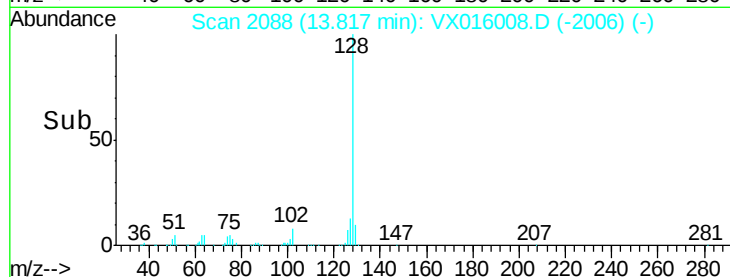
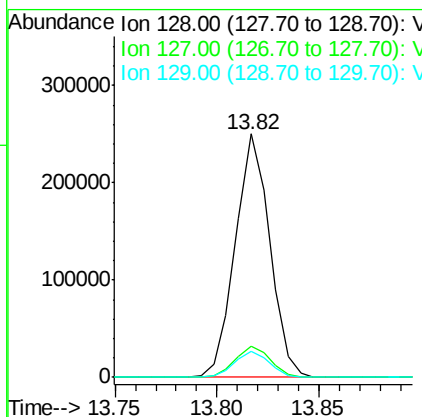
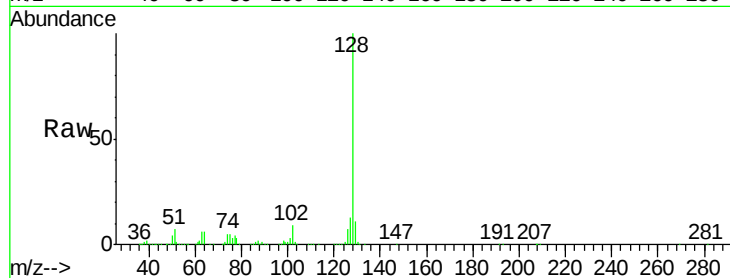
#91
Naphthalene
Concen: 18.082 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 18.169 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX016008.D
Acq: 01 May 2020 14:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	0.0	197.2
145	32.5	0.0	66.0

