

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050520\
 Data File : VX016070.D
 Acq On : 05 May 2020 17:36
 Operator : JC/SP
 Sample : L2469-24MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Manual Integrations
 APPROVED

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 5/6/2020 12:26:45 PM

Quant Time: May 06 09:31:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	284956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	470603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	225102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	179404	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	5.47	113	140843	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
50) Toluene-d8	8.70	98	547600	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.12	95	210815	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	150340	49.845	ug/l	99
3) Chloromethane	1.31	50	166206	47.450	ug/l	99
4) Vinyl Chloride	1.39	62	182913	48.945	ug/l	99
5) Bromomethane	1.62	94	94704	50.266	ug/l	97
6) Chloroethane	1.70	64	114614	50.405	ug/l	99
7) Trichlorofluoromethane	1.91	101	239552	48.826	ug/l	99
8) Diethyl Ether	2.17	74	99689	48.224	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	138104	48.789	ug/l	99
10) Methyl Iodide	2.49	142	175898	46.262	ug/l	99
11) Tert butyl alcohol	3.01	59	233657	246.419	ug/l	100
12) 1,1-Dichloroethene	2.36	96	144534	48.794	ug/l	95
13) Acrolein	2.27	56	118841	200.286	ug/l	99
14) Allyl chloride	2.71	41	263803	48.571	ug/l	99
15) Acrylonitrile	3.12	53	484569	246.341	ug/l	99
16) Acetone	2.42	43	411394	245.888	ug/l	99
17) Carbon Disulfide	2.55	76	438876	49.334	ug/l	99
18) Methyl Acetate	2.75	43	184183	44.773	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	513875	50.324	ug/l	100
20) Methylene Chloride	2.84	84	164448	47.679	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	158182	47.920	ug/l	98
22) Diisopropyl ether	3.82	45	511891	49.958	ug/l	95
23) Vinyl Acetate	3.79	43	2080967	230.844	ug/l	100
24) 1,1-Dichloroethane	3.67	63	288130	50.269	ug/l	99
25) 2-Butanone	4.64	43	680948	252.574	ug/l	99
26) 2,2-Dichloropropane	4.55	77	224221	42.835	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	178402	49.436	ug/l	98
28) Bromochloromethane	4.98	49	129818	49.670	ug/l	100
29) Tetrahydrofuran	5.09	42	447706	250.620	ug/l	100
30) Chloroform	5.18	83	284252	49.808	ug/l	100
31) Cyclohexane	5.55	56	261495	50.199	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	260353	50.188	ug/l	100
36) 1,1-Dichloropropene	5.77	75	217611	46.976	ug/l	99
37) Ethyl Acetate	4.79	43	239251	44.561	ug/l	99
38) Carbon Tetrachloride	5.76	117	229180	48.673	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	258458	46.329	ug/l	100
40) Benzene	6.12	78	651177	48.042	ug/l	99
41) Methacrylonitrile	5.00	41	138509	47.769	ug/l	99
42) 1,2-Dichloroethane	6.17	62	233838	47.891	ug/l	100
43) Isopropyl Acetate	6.42	43	391636	45.717	ug/l	100
44) Trichloroethene	7.19	130	214696	44.586	ug/l	100
45) 1,2-Dichloropropane	7.49	63	167605	48.869	ug/l	100
46) Dibromomethane	7.64	93	112999	48.482	ug/l	99
47) Bromodichloromethane	7.88	83	233779	49.249	ug/l	97
48) Methyl methacrylate	7.74	41	197542	48.664	ug/l	99
49) 1,4-Dioxane	7.71	88	93663	962.080	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1293206	246.688	ug/l	100
52) Toluene	8.77	92	409295	48.445	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	265587	46.926	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	278581	47.124	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	162455	48.874	ug/l	98
56) Ethyl methacrylate	9.16	69	271725	50.080	ug/l	99
57) 1,3-Dichloropropane	9.35	76	285360	49.200	ug/l	100
59) 2-Hexanone	9.48	43	1008121	244.875	ug/l	99
60) Dibromochloromethane	9.57	129	183351	50.084	ug/l	98
61) 1,2-Dibromoethane	9.65	107	175977	48.876	ug/l	100
64) Tetrachloroethene	9.32	164	252999	47.131	ug/l	99
65) Chlorobenzene	10.12	112	435889	47.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	164425	48.588	ug/l	99
67) Ethyl Benzene	10.24	91	787004	48.175	ug/l	98
68) m/p-Xylenes	10.34	106	595230	97.250	ug/l	100
69) o-Xylene	10.68	106	289143	49.146	ug/l	99
70) Stvrene	10.70	104	497501	49.844	ug/l	99
71) Bromoform	10.84	173	139194	50.485	ug/l #	99
73) Isopropylbenzene	11.01	105	766028	46.787	ug/l	99
74) N-amyl acetate	10.88	43	328588	43.026	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	169614	52.430	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	238926m	46.774	ug/l	
77) Bromobenzene	11.24	156	190865	45.164	ug/l	98
78) n-propylbenzene	11.35	91	887252	46.582	ug/l	100
79) 2-Chlorotoluene	11.41	91	521611	46.395	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	646964	46.801	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	98269	45.845	ug/l	99
82) 4-Chlorotoluene	11.49	91	615256	46.342	ug/l	100
83) tert-Butylbenzene	11.76	119	557444	46.792	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	653914	46.789	ug/l	100
85) sec-Butylbenzene	11.93	105	747937	46.498	ug/l	100
86) p-Isopropyltoluene	12.05	119	689905	46.196	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	341116	44.954	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	347350	45.101	ug/l	99
89) n-Butylbenzene	12.37	91	609967	44.708	ug/l	99
90) Hexachloroethane	12.58	117	122208	47.648	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	330328	45.210	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	61713	45.840	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	238713	44.129	ug/l	98

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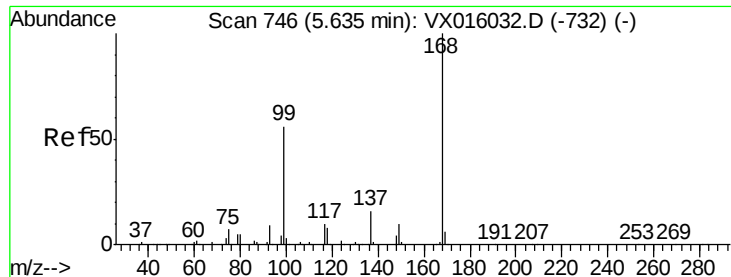
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	107705	46.278	ug/l	99
95) Naphthalene	13.82	128	815946	46.583	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	243807	46.117	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

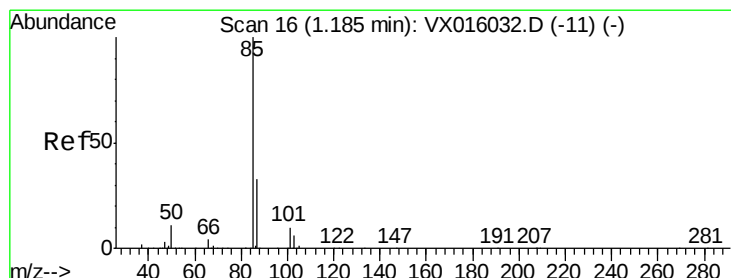
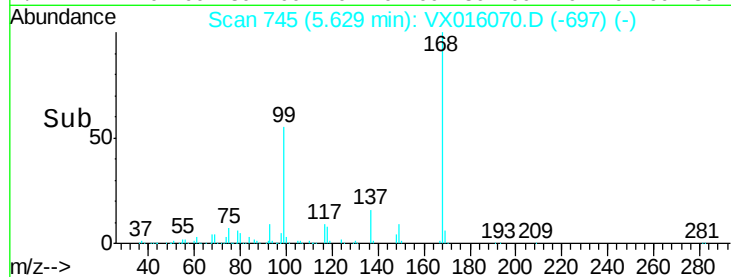
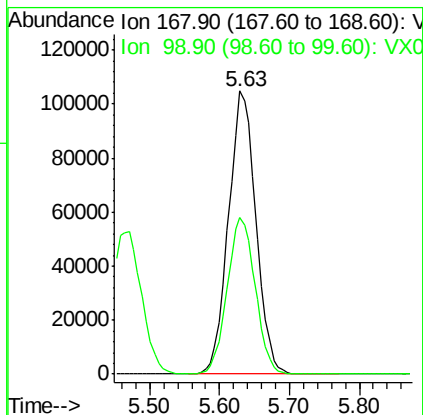
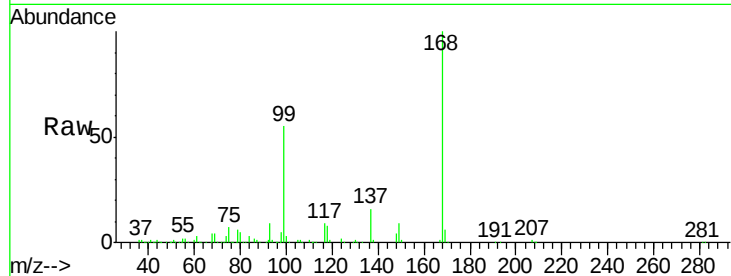
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.3	45.0	67.4

Manual Integrations
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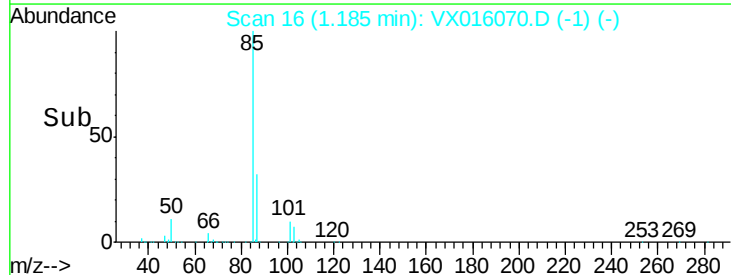
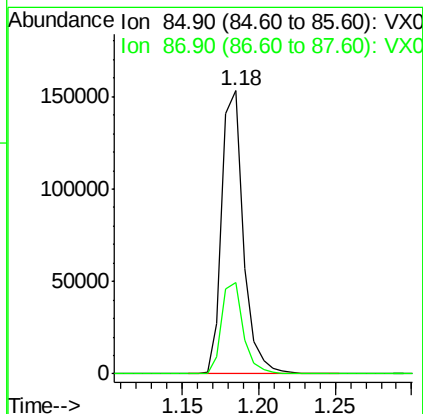
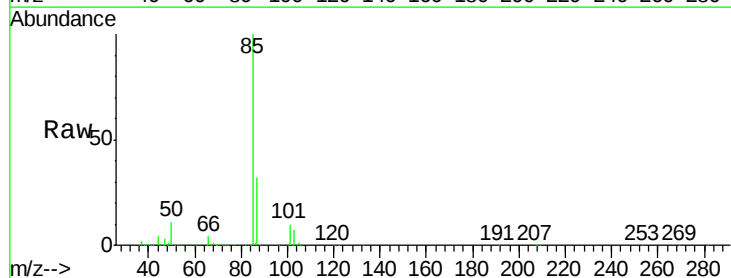
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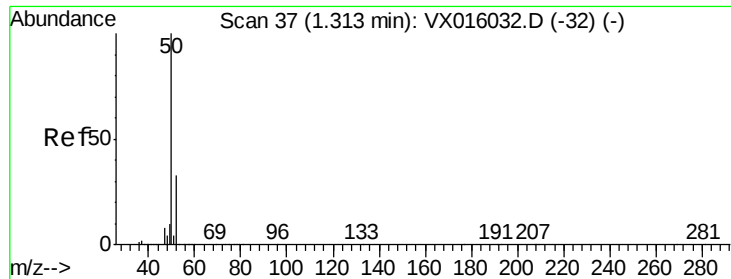


#2

Dichlorodifluoromethane
 Concen: 49.845 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.4	49.1





#3

Chloromethane

Concen: 47.450 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 50 Resp: 166206

Ion Ratio Lower Upper

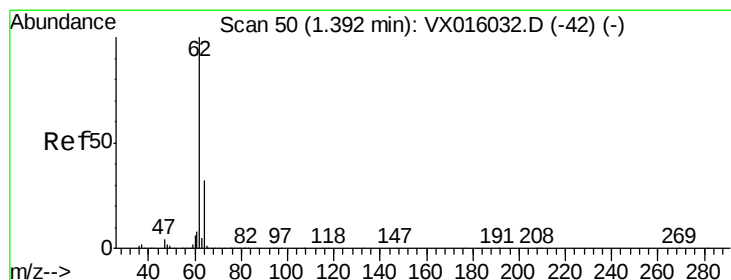
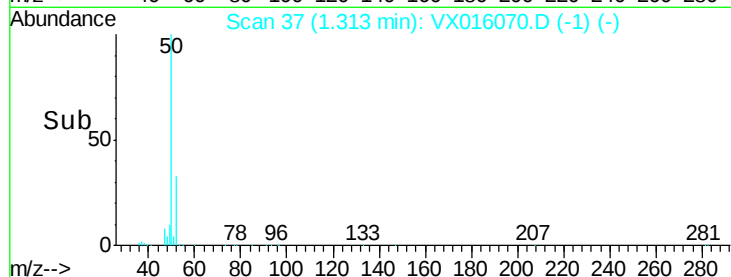
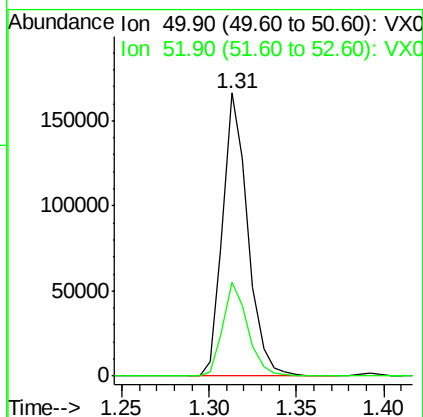
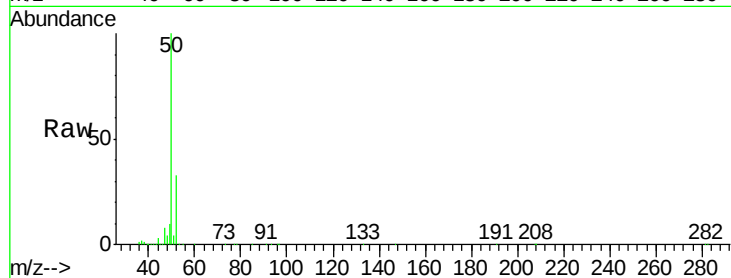
50 100

52 33.0 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.945 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016070.D

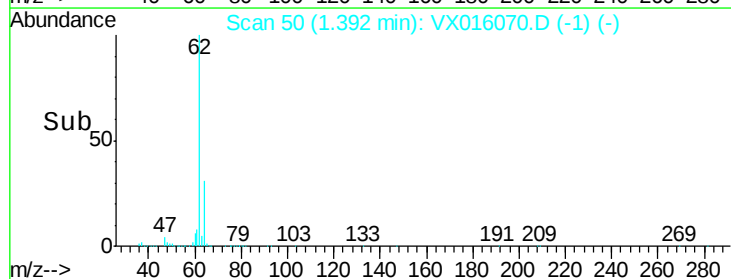
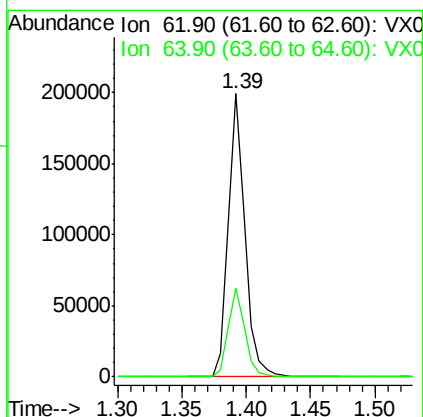
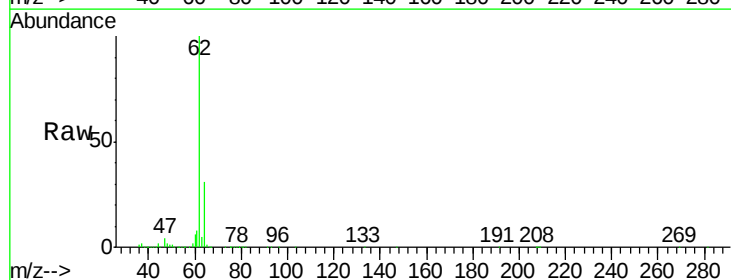
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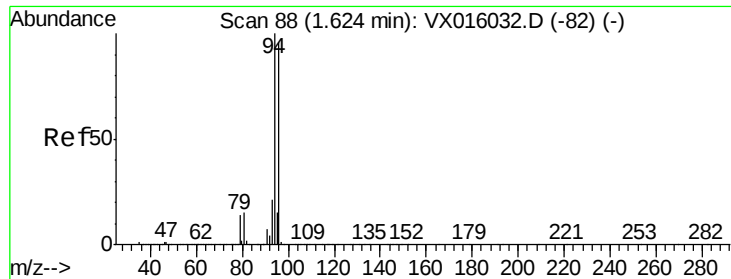
Tgt Ion: 62 Resp: 182913

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 50.266 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

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ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 94 Resp: 94704

Ion Ratio Lower Upper

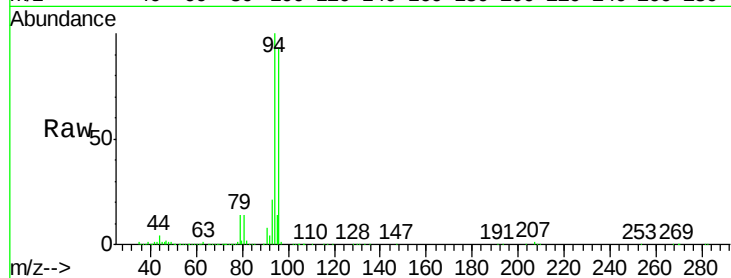
94 100

96 92.8 76.9 115.3

Manual Integrations
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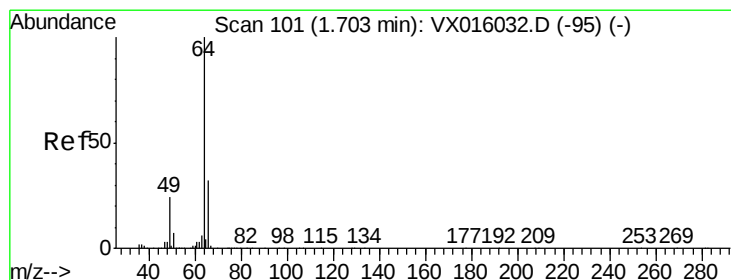
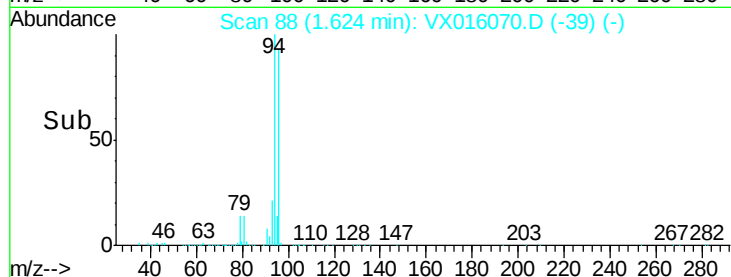
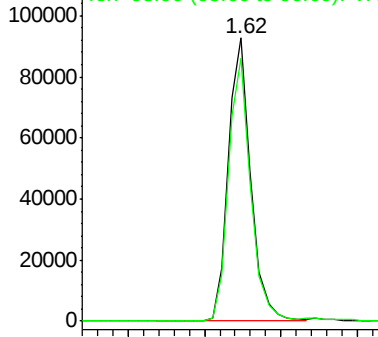
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.405 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016070.D

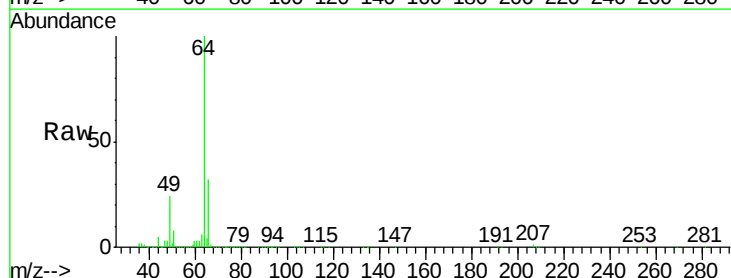
Acq: 05 May 2020 17:36

Tgt Ion: 64 Resp: 114614

Ion Ratio Lower Upper

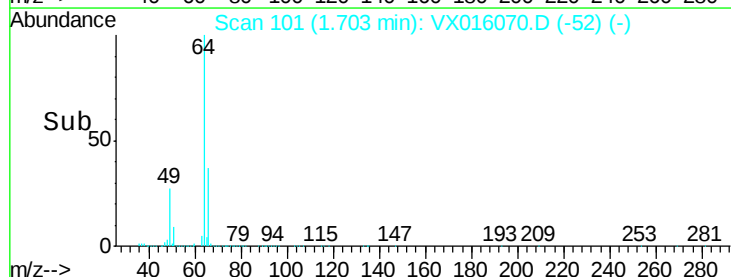
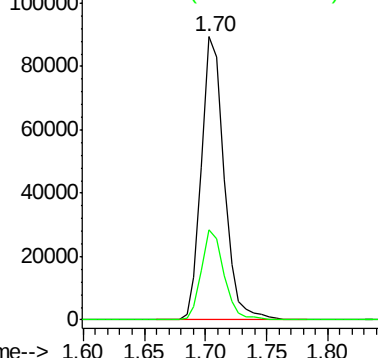
64 100

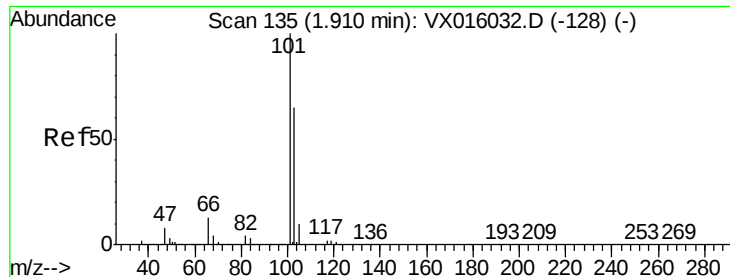
66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

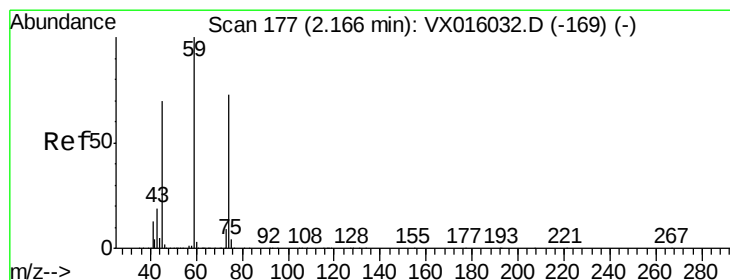
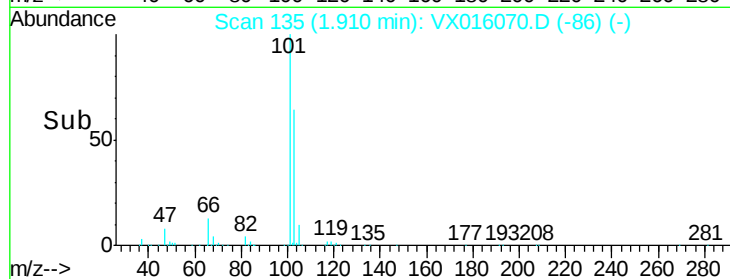
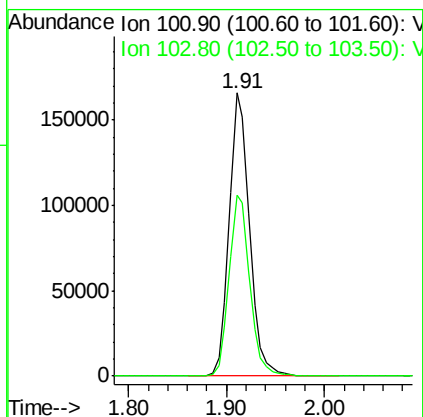
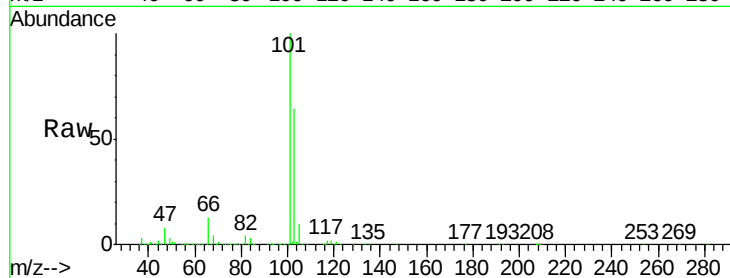
Trichlorofluoromethane
Concen: 48.826 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	239552		
103	64.0	51.8	77.6	

Manual Integrations
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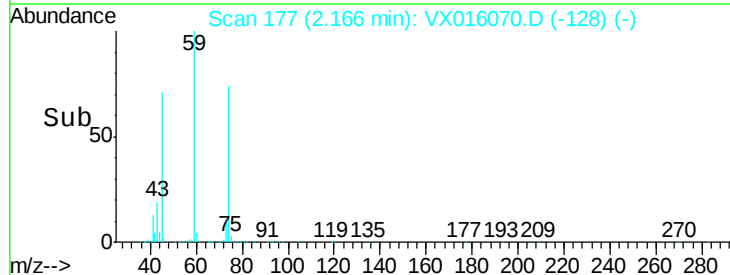
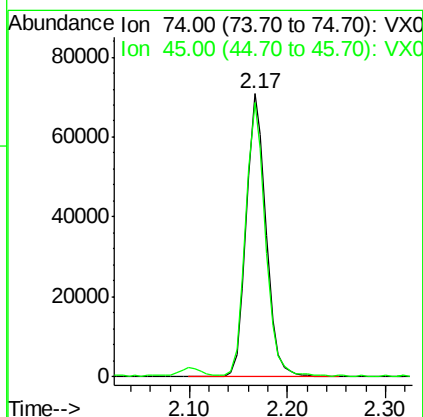
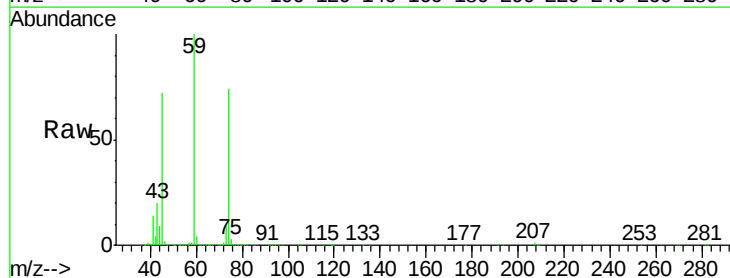
MMDadoda
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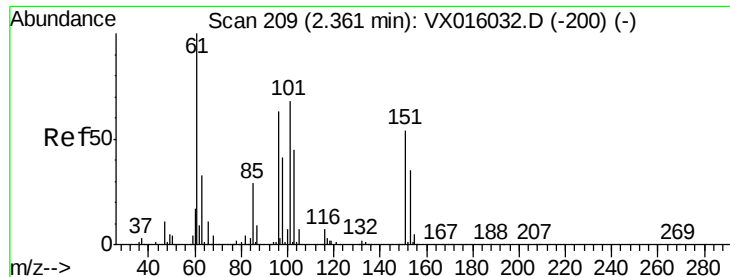


#8

Diethyl Ether
Concen: 48.224 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	99689		
45	96.6	47.3	142.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.789 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

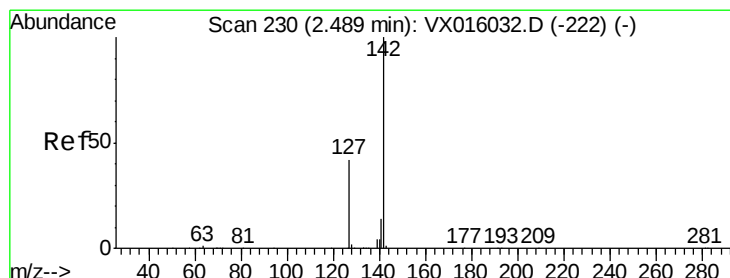
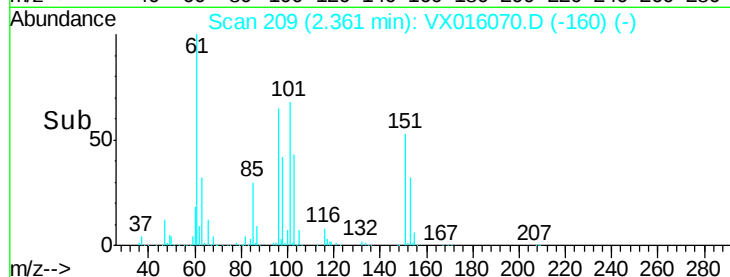
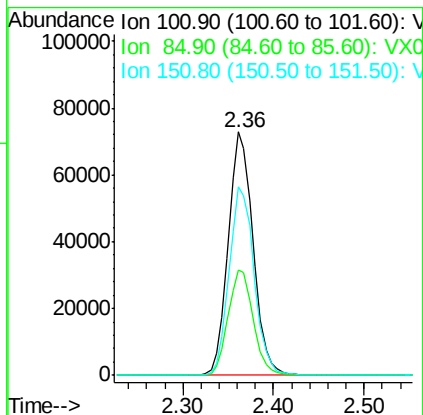
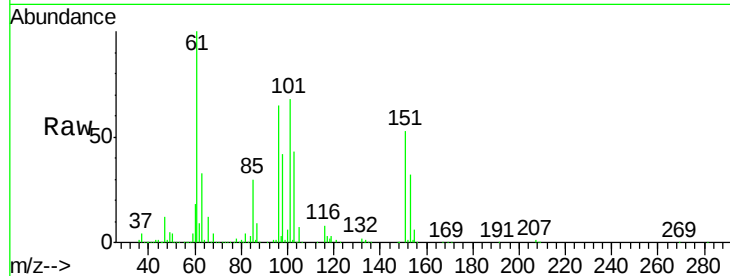
ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:	101	Resp:	138104
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.2	51.4
151	78.3	62.1	93.1

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#10

Methyl Iodide

Concen: 46.262 ug/l

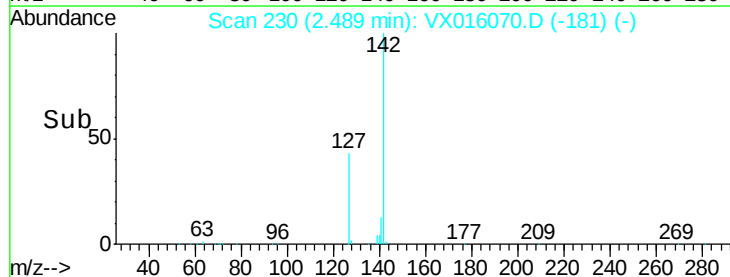
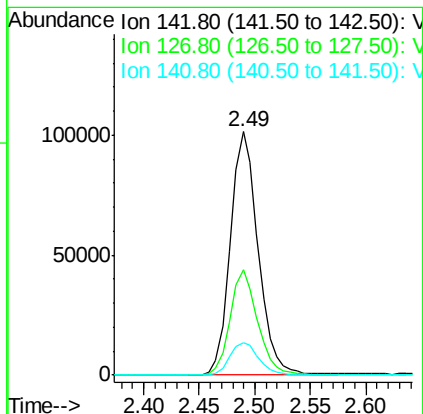
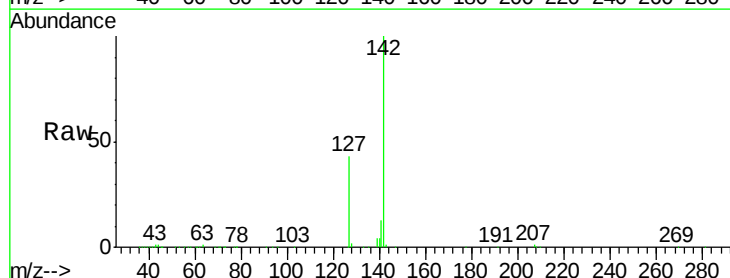
RT: 2.49 min Scan# 230

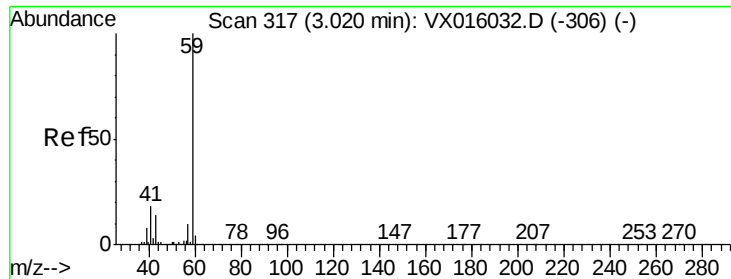
Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Tgt Ion:	142	Resp:	175898
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.6	52.0
141	14.0	11.3	16.9





#11

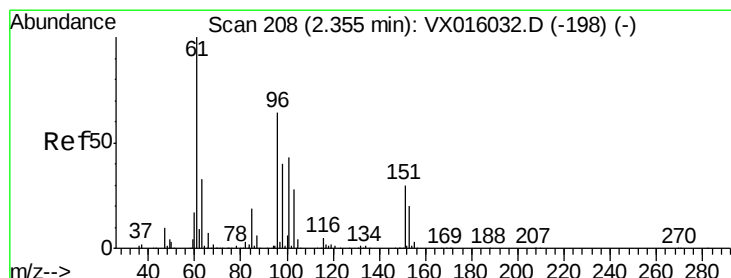
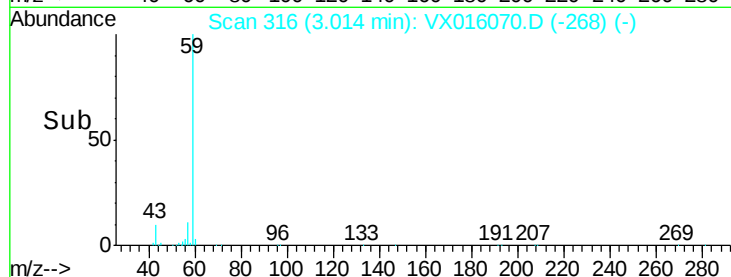
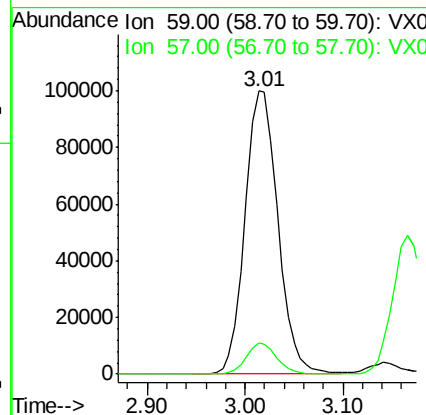
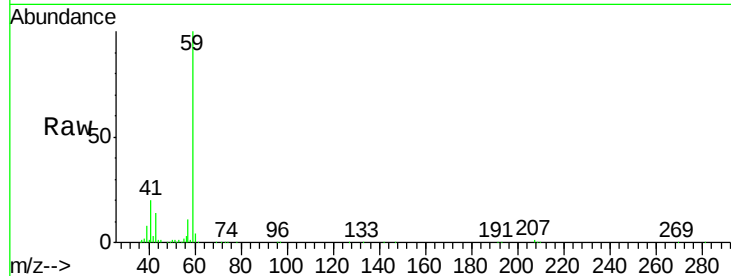
Tert butyl alcohol
Concen: 246.419 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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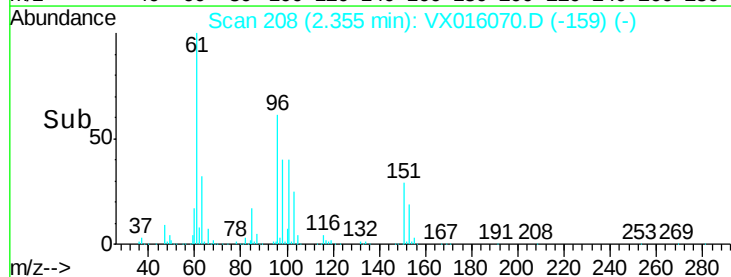
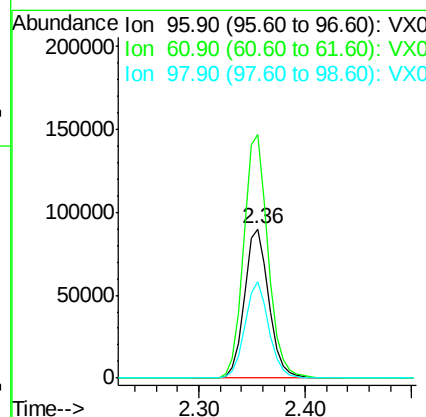
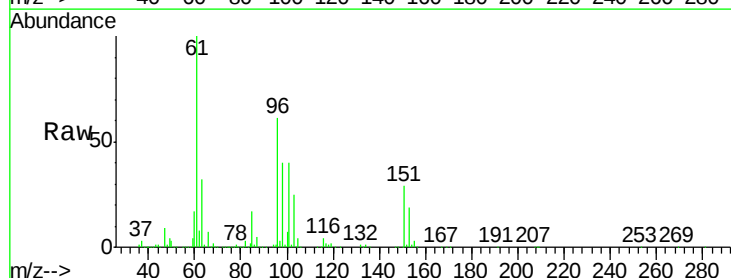
MMDadoda
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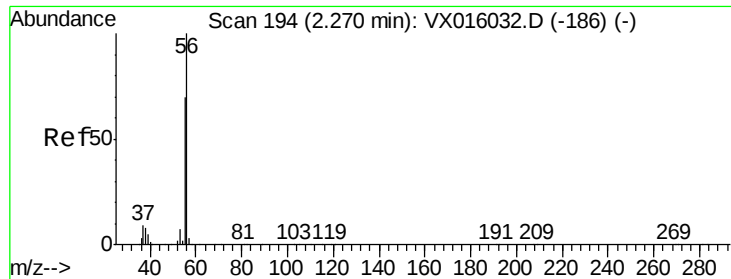


#12

1,1-Dichloroethene
Concen: 48.794 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	124.8	187.2
98	64.6	49.7	74.5





#13

Acrolein

Concen: 200.286 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 56 Resp: 118841

Ion Ratio Lower Upper

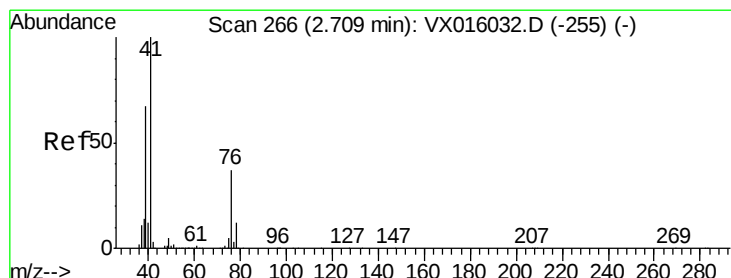
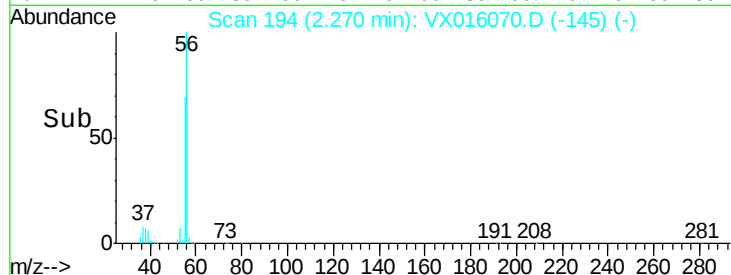
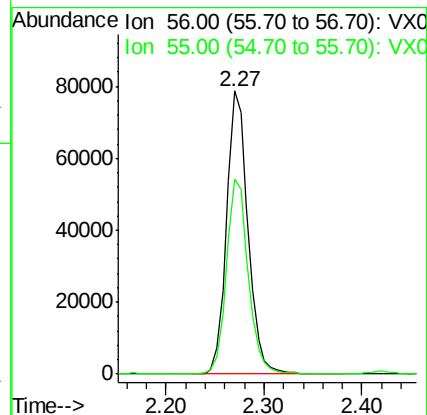
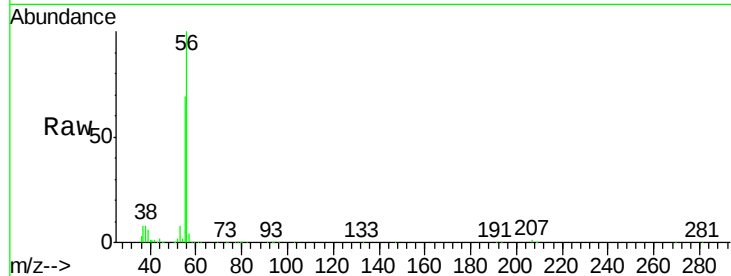
56 100

55 69.9 56.5 84.7

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#14

Allyl chloride

Concen: 48.571 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

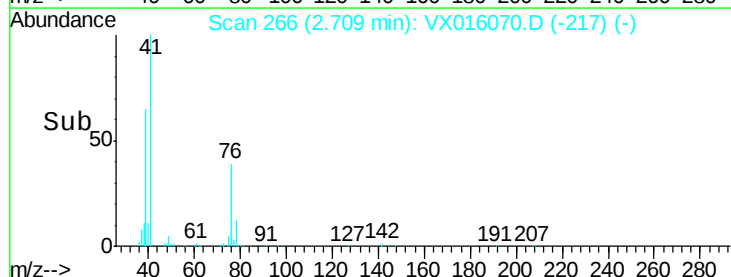
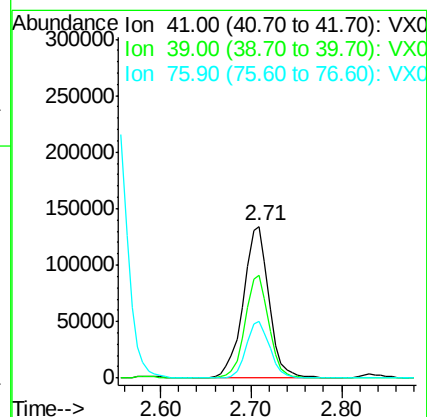
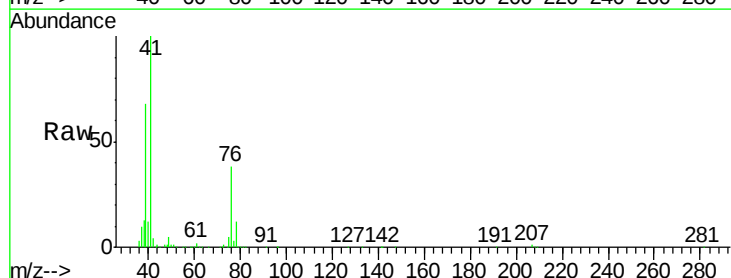
Tgt Ion: 41 Resp: 263803

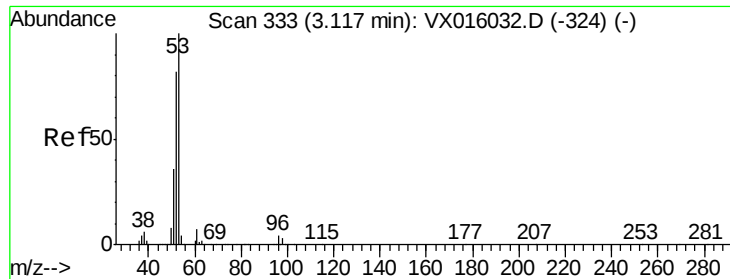
Ion Ratio Lower Upper

41 100

39 62.2 50.5 75.7

76 34.2 26.6 40.0





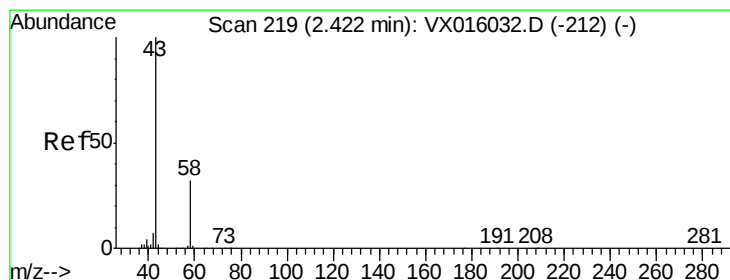
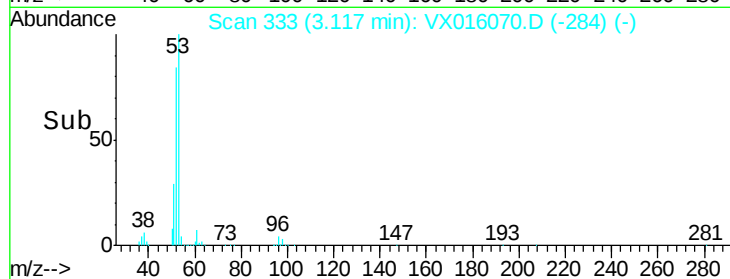
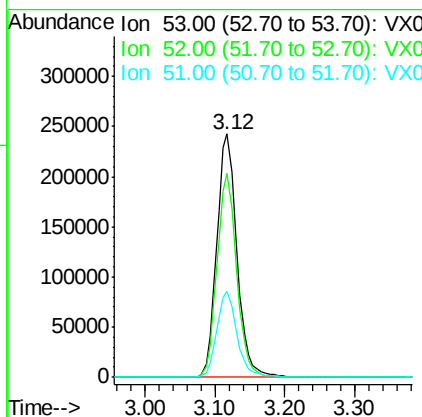
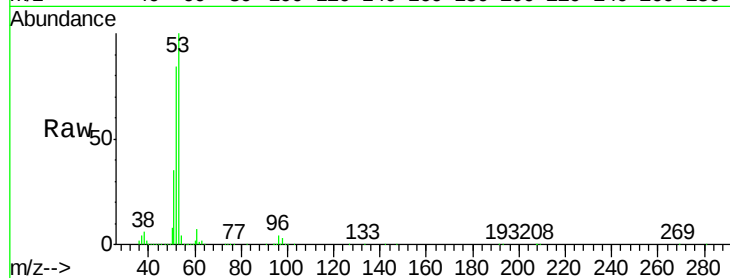
#15
 Acrylonitrile
 Concen: 246.341 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.1	99.1
51	35.5	28.8	43.2

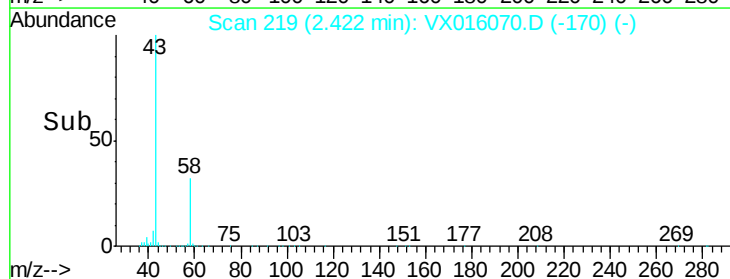
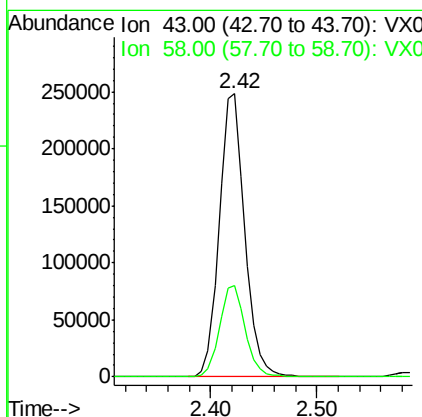
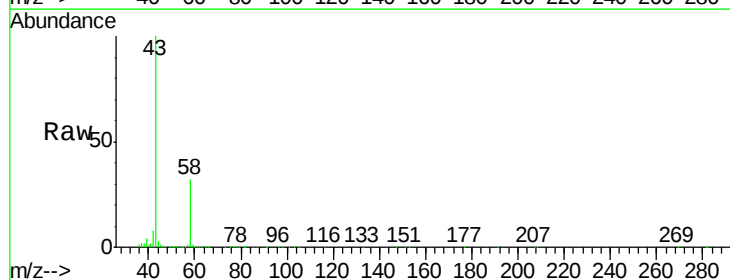
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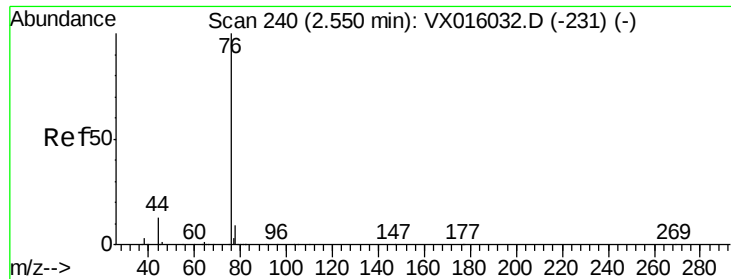
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#16
 Acetone
 Concen: 245.888 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.4	38.0





#17

Carbon Disulfide

Concen: 49.334 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 76 Resp: 438876

Ion Ratio Lower Upper

76 100

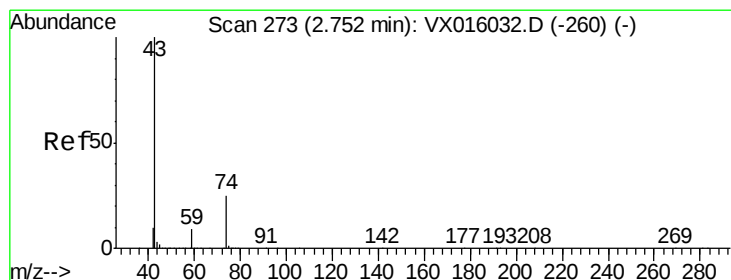
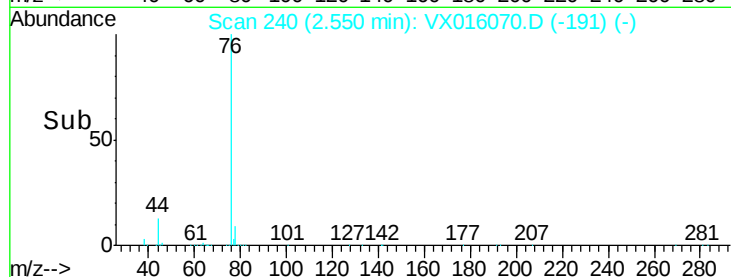
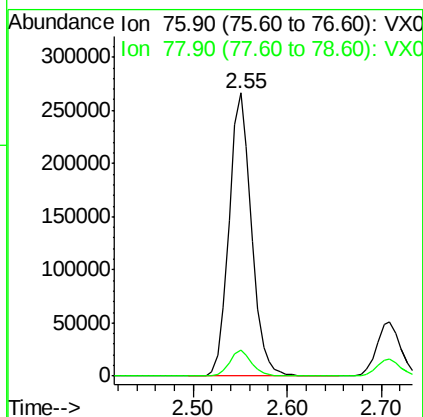
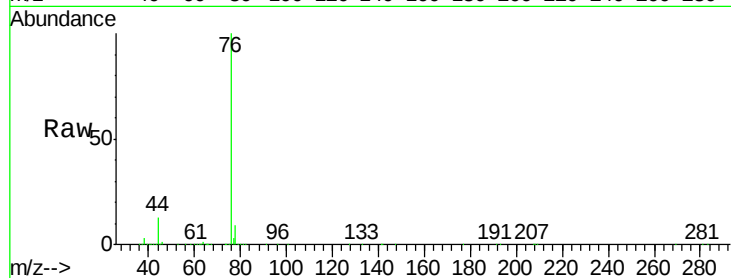
78 9.0 7.5 11.3

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#18

Methyl Acetate

Concen: 44.773 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016070.D

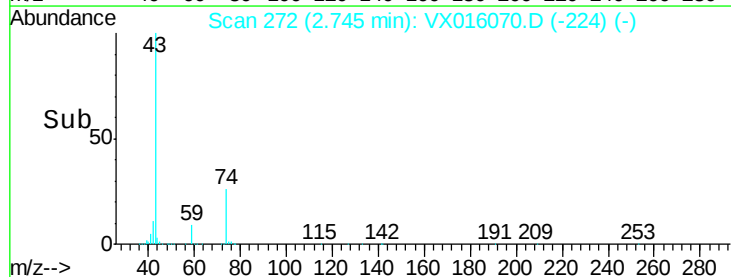
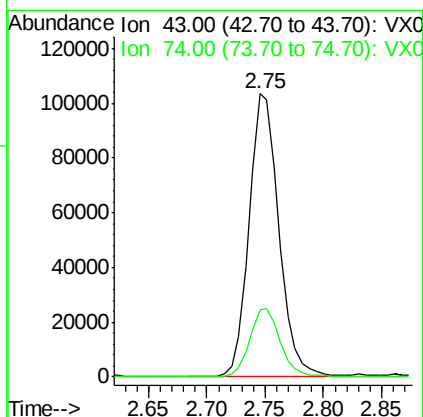
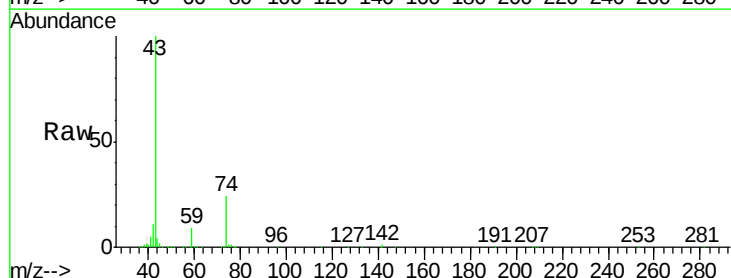
Acq: 05 May 2020 17:36

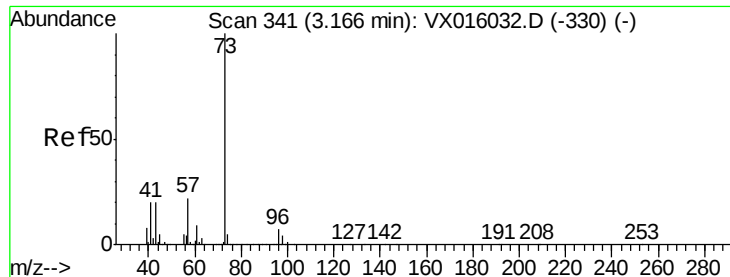
Tgt Ion: 43 Resp: 184183

Ion Ratio Lower Upper

43 100

74 25.1 20.2 30.2





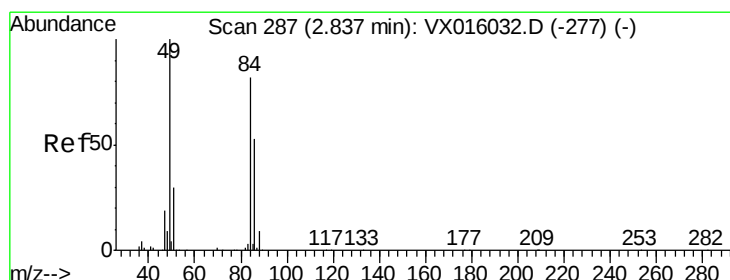
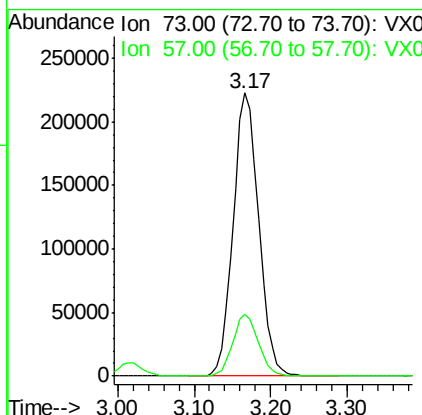
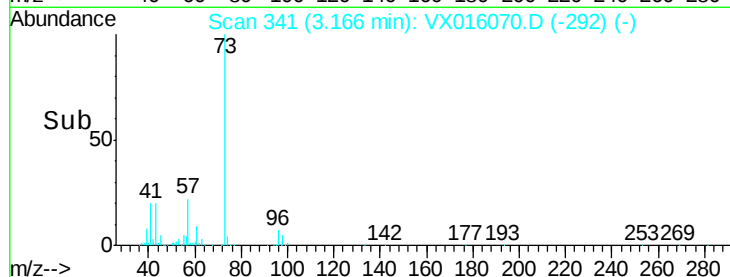
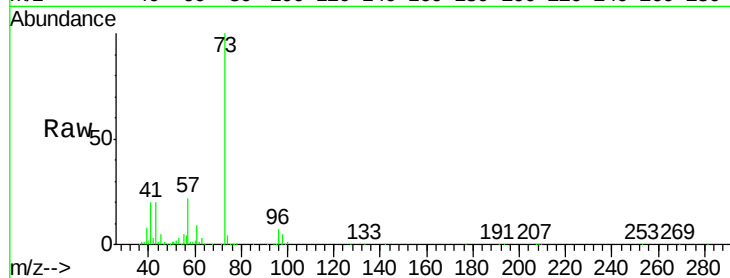
#19
Methvl tert-butvl Ether
Concen: 50.324 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.8	26.6

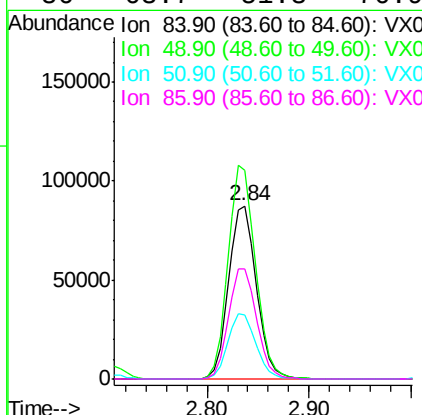
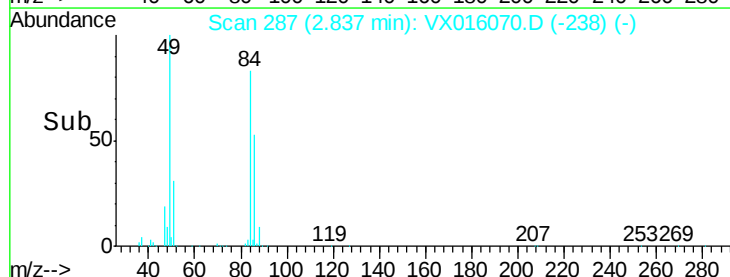
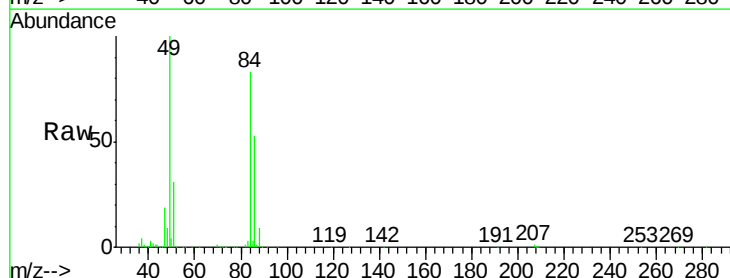
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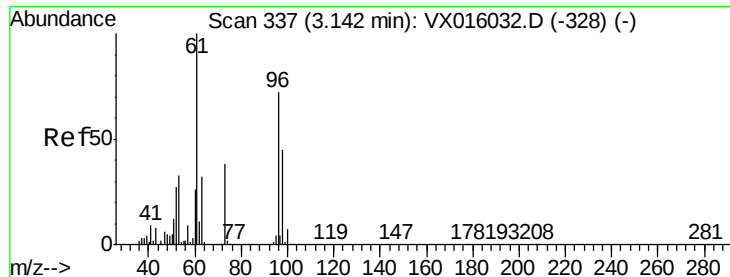
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#20
Methylene Chloride
Concen: 47.679 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.9	97.3	145.9
51	37.1	29.3	43.9
86	63.7	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 47.920 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

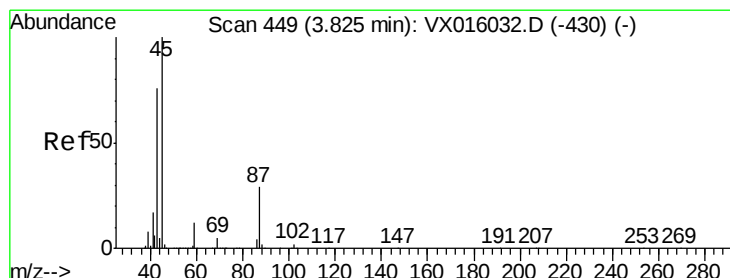
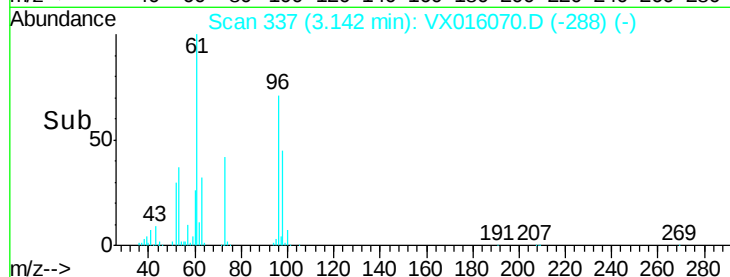
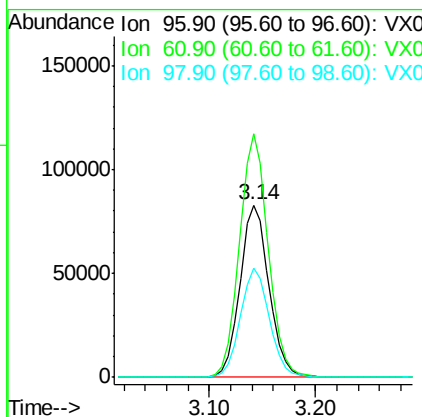
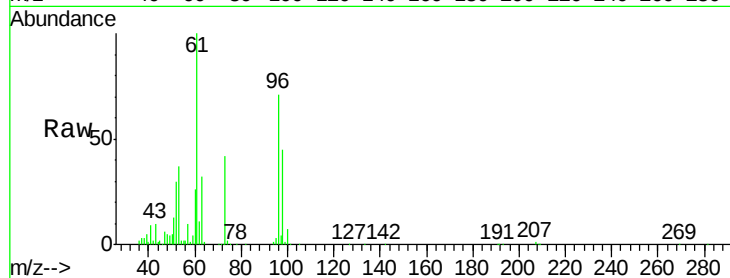
ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:	96	Resp:	158182
Ion Ratio	Lower	Upper	
96	100		
61	141.6	111.2	166.8
98	63.3	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.958 ug/l

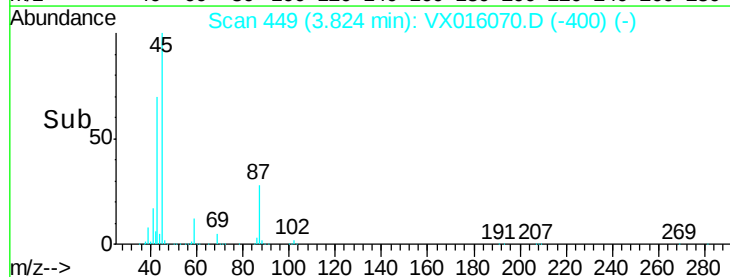
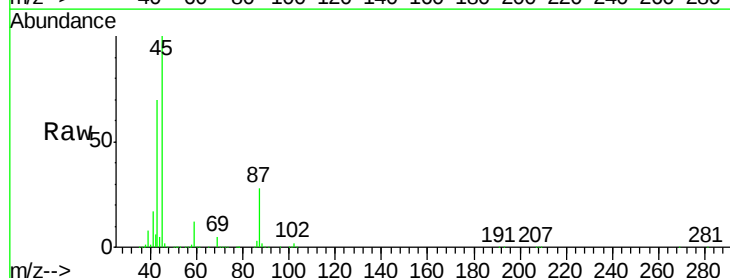
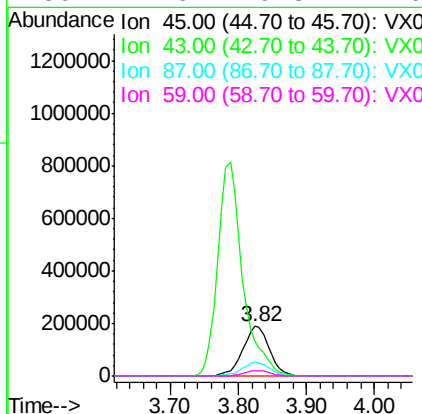
RT: 3.82 min Scan# 449

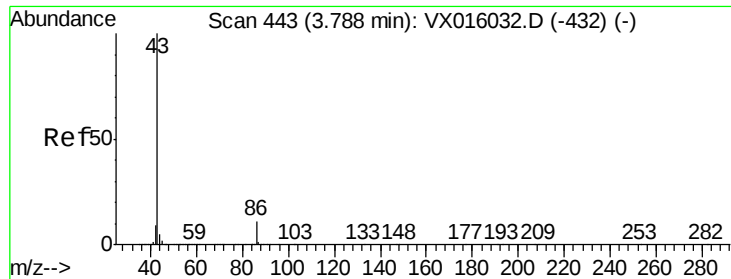
Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Tgt Ion:	45	Resp:	511891
Ion Ratio	Lower	Upper	
45	100		
43	70.3	61.1	91.7
87	28.1	23.0	34.6
59	11.6	9.8	14.6





#23

Vinyl Acetate

Concen: 230.844 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 43 Resp: 2080967

Ion Ratio Lower Upper

43 100

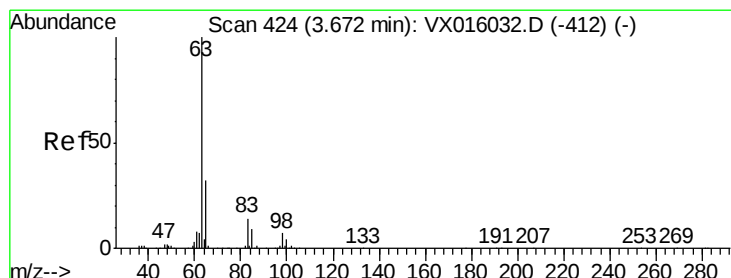
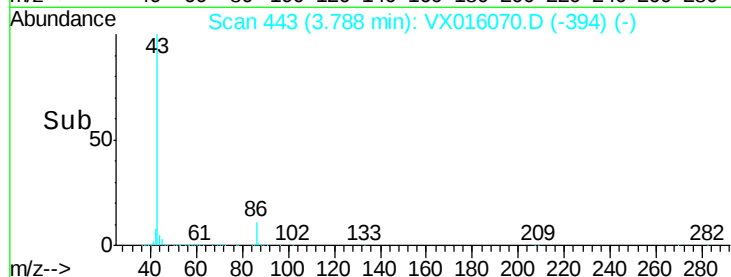
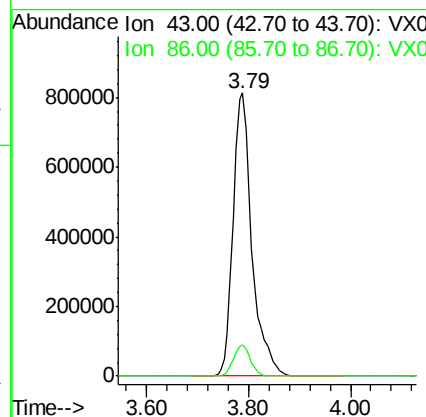
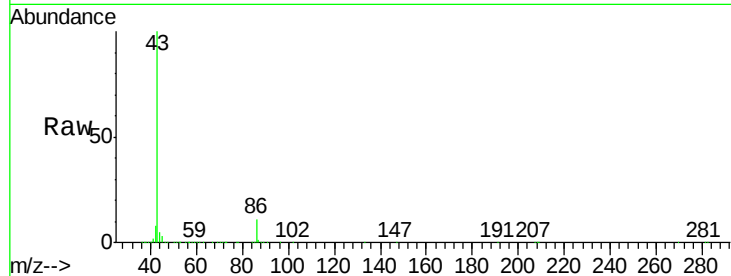
86 11.2 9.0 13.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.269 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

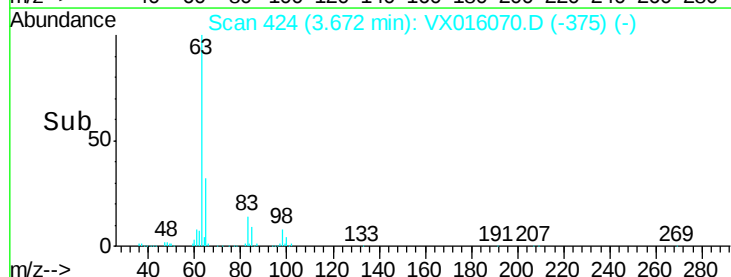
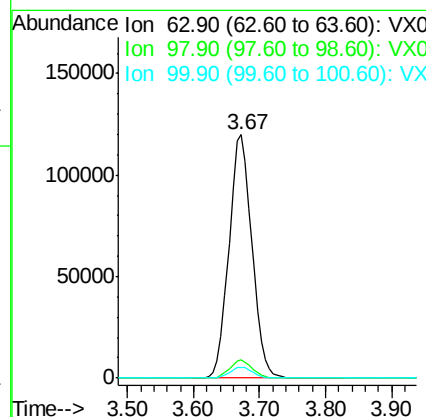
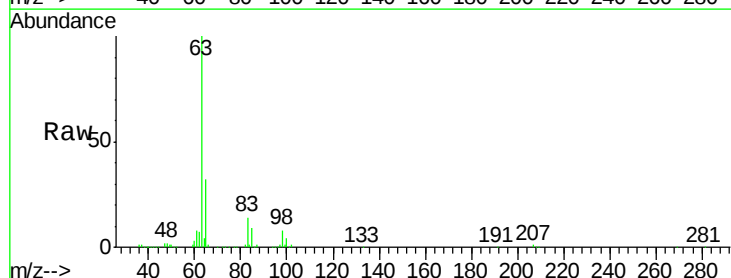
Tgt Ion: 63 Resp: 288130

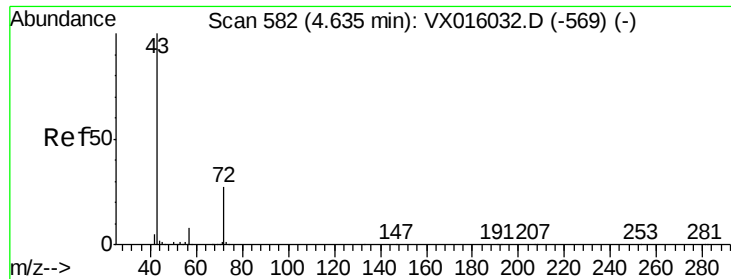
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 252.574 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 43 Resp: 680948

Ion Ratio Lower Upper

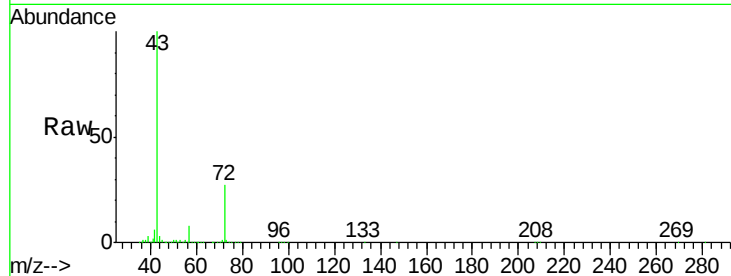
43 100

72 26.7 21.8 32.8

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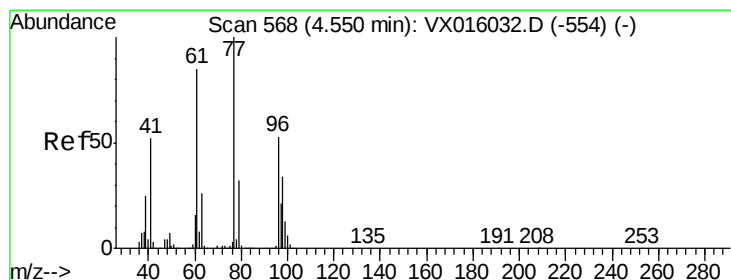
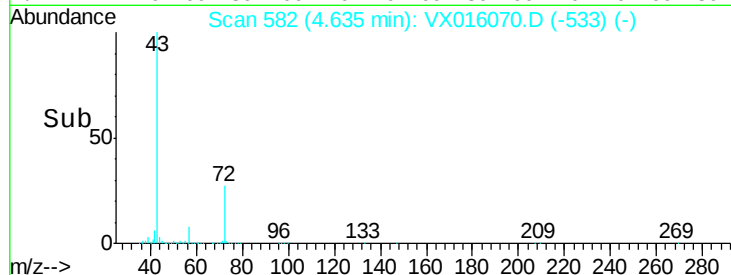
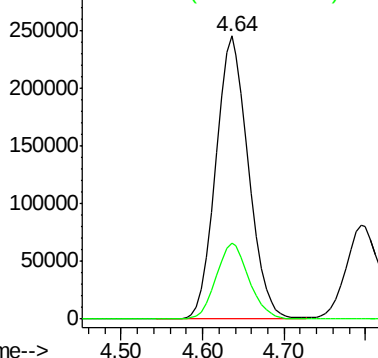
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 42.835 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016070.D

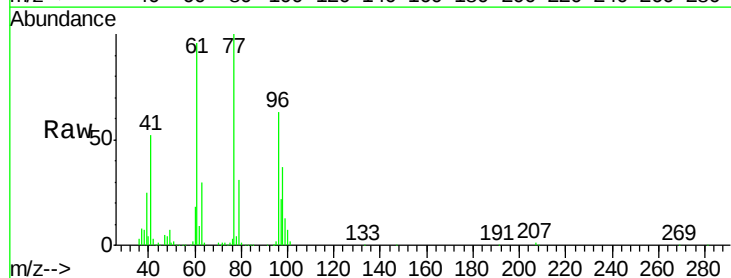
Acq: 05 May 2020 17:36

Tgt Ion: 77 Resp: 224221

Ion Ratio Lower Upper

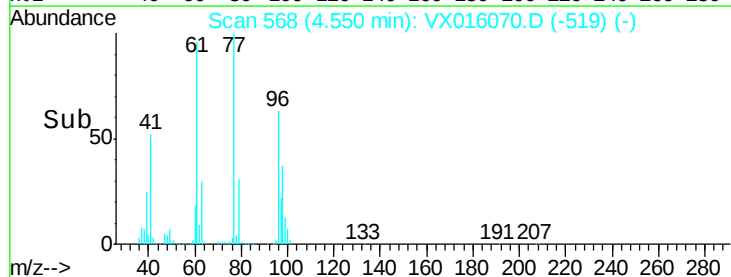
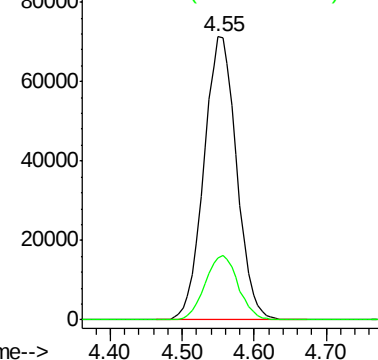
77 100

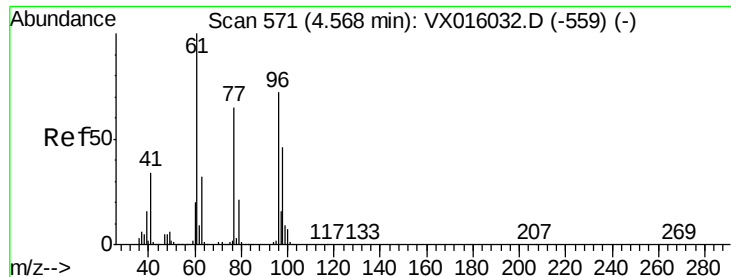
97 23.0 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

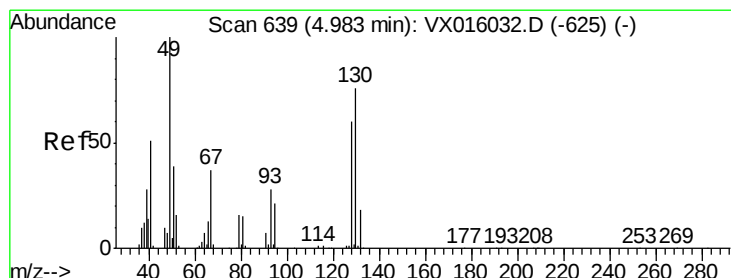
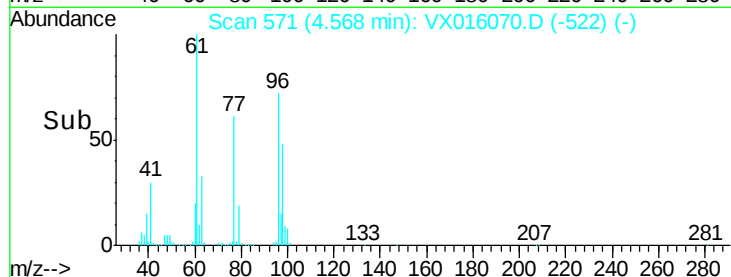
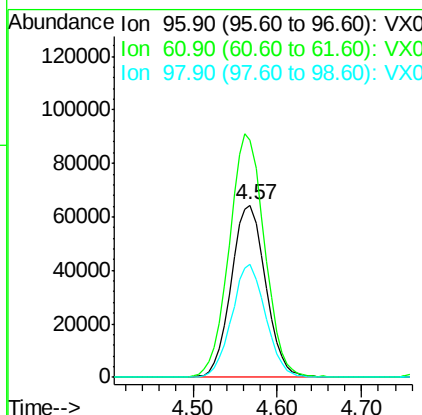
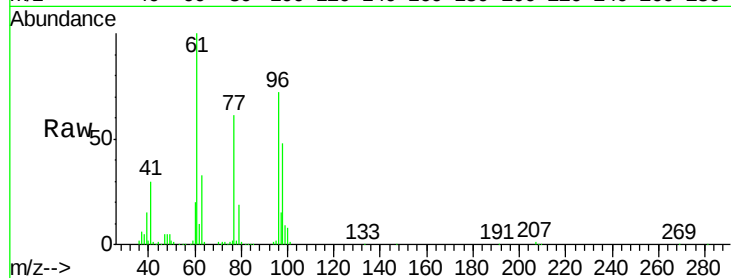
cis-1,2-Dichloroethene
Concen: 49.436 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	178402		
61	145.2	0.0	296.2	
98	64.8	0.0	129.4	

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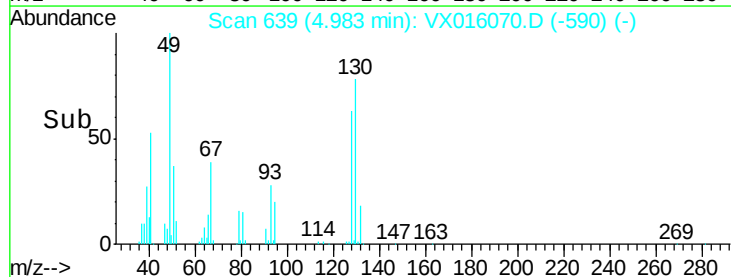
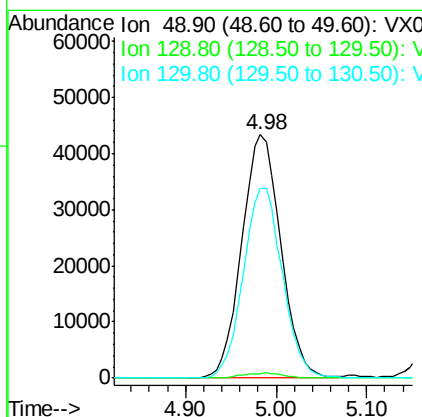
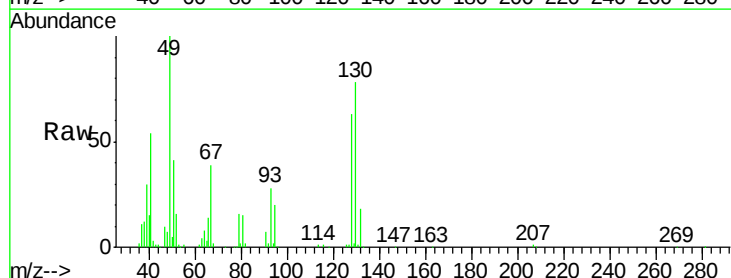
MMDadoda
5/6/2020 12:26:45 PM

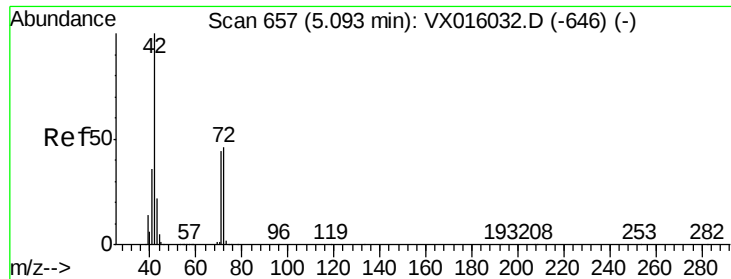


#28

Bromochloromethane
Concen: 49.670 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129818		
129	2.1	0.0	4.0	
130	78.1	62.4	93.6	





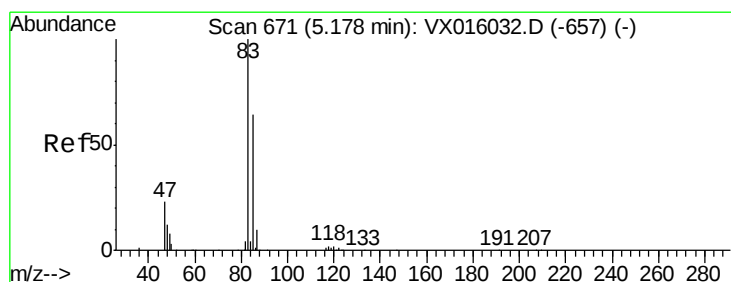
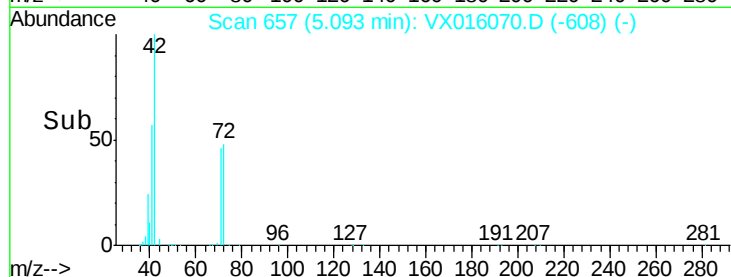
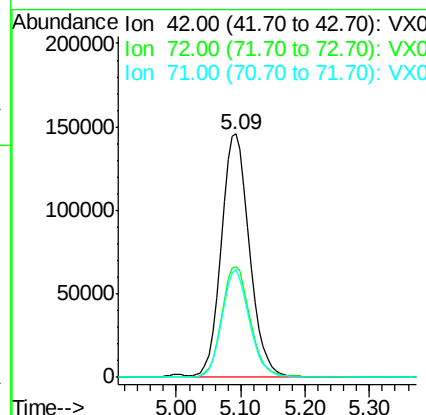
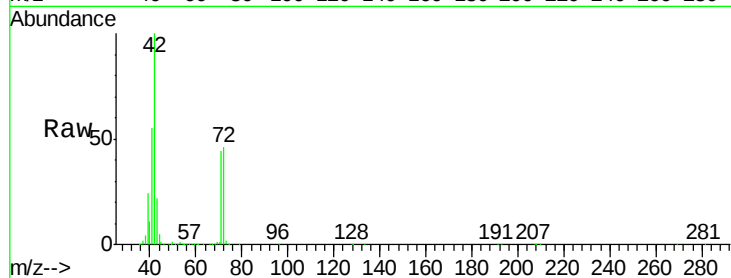
#29
Tetrahydrofuran
Concen: 250.620 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	46.3		37.1	55.7
71	43.2		34.5	51.7

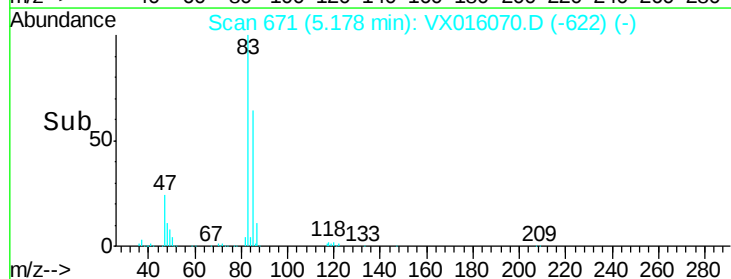
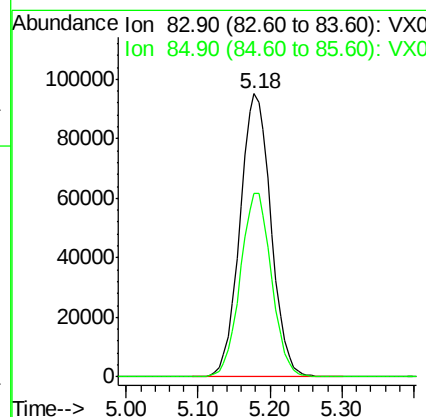
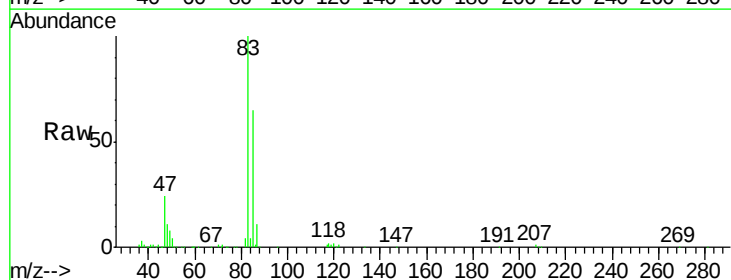
Manual Integrations
APPROVED

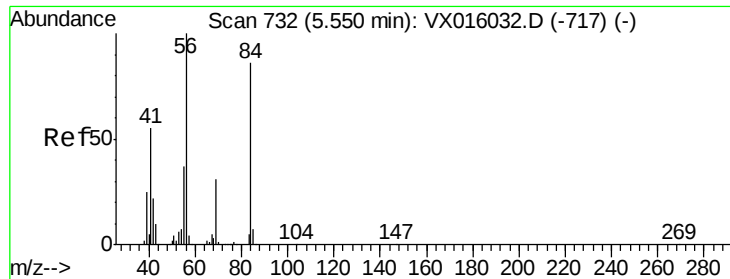
MMDadoda
5/6/2020 12:26:45 PM



#30
Chloroform
Concen: 49.808 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.7		51.6	77.4





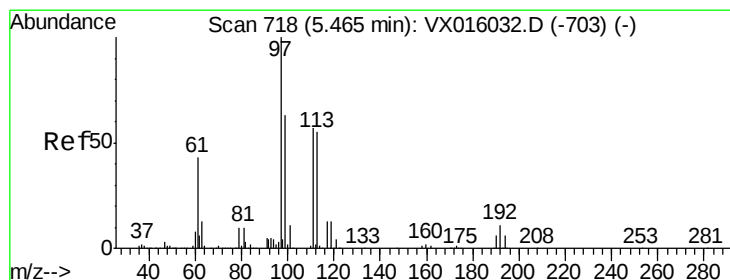
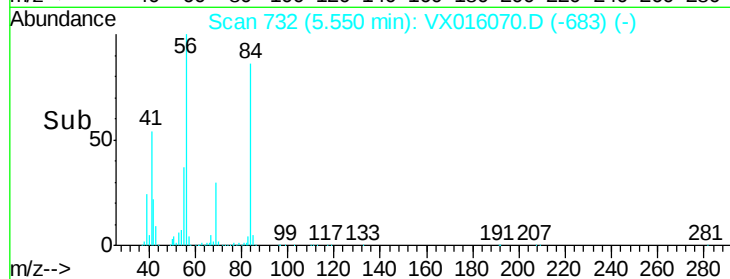
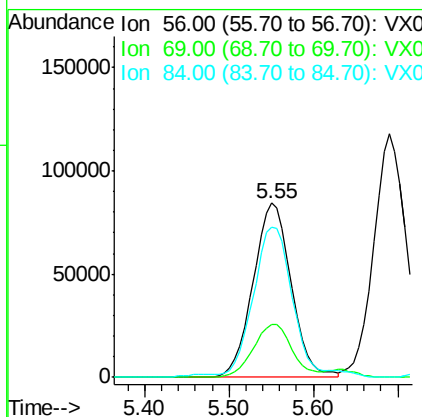
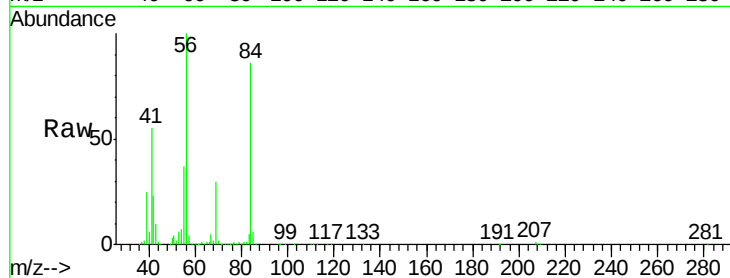
#31
Cyclohexane
Concen: 50.199 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.4	25.0	37.6	
84	84.7	69.0	103.6	

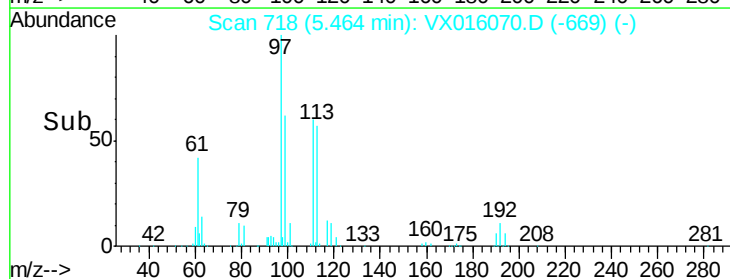
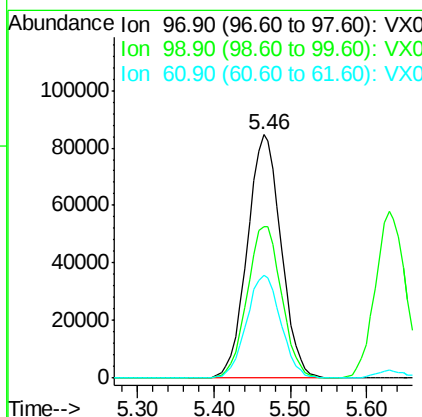
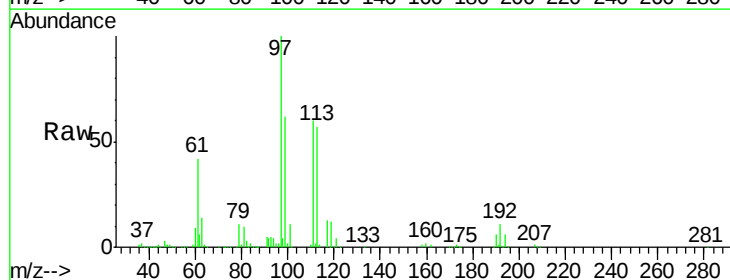
Manual Integrations
APPROVED

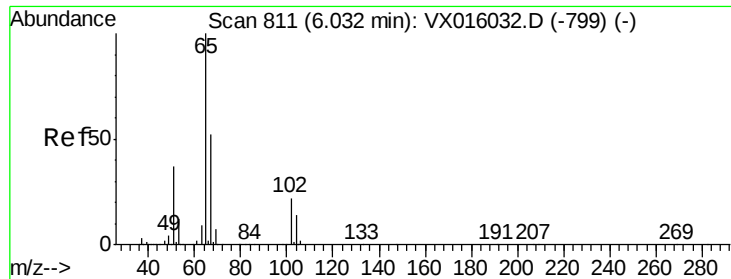
MMDadoda
5/6/2020 12:26:45 PM



#32
1,1,1-Trichloroethane
Concen: 50.188 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.7	51.0	76.4	
61	43.0	34.5	51.7	





#33

1,2-Dichloroethane-d4

Concen: 47.845 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 65 Resp: 179404

Ion Ratio Lower Upper

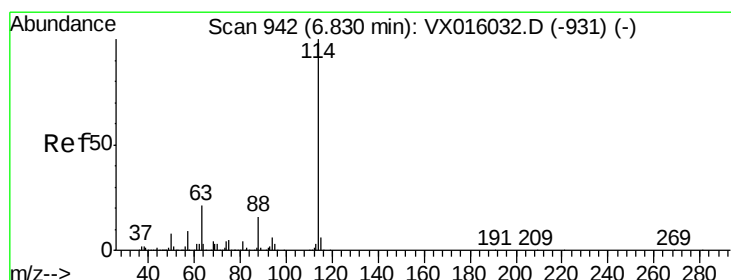
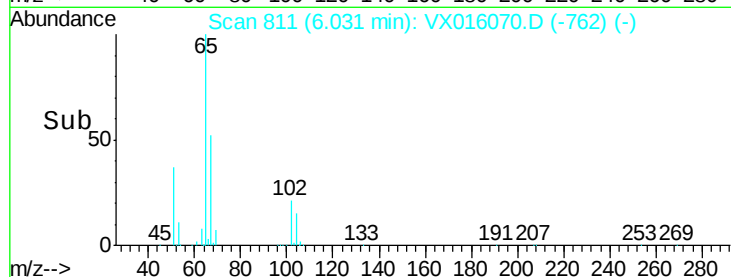
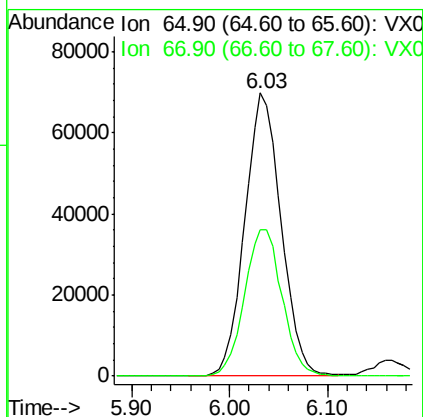
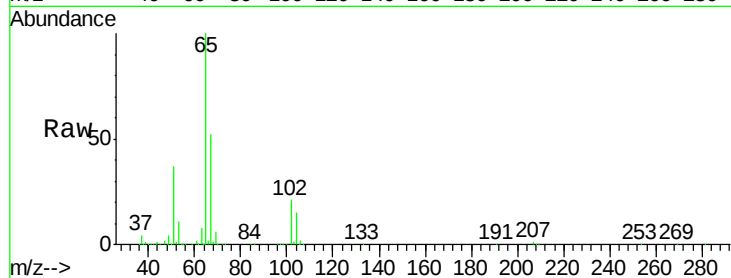
65 100

67 53.7 0.0 104.8

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

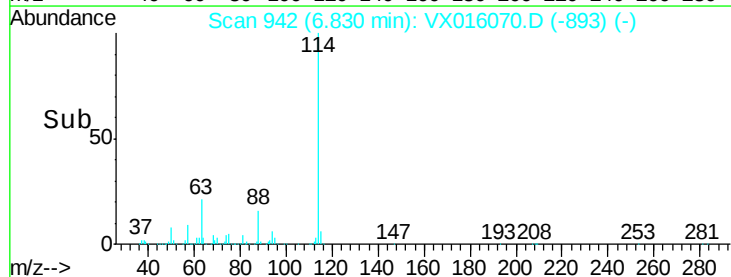
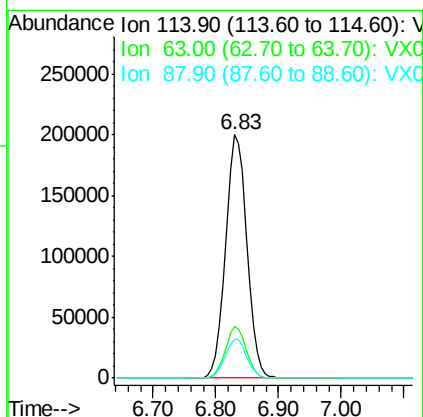
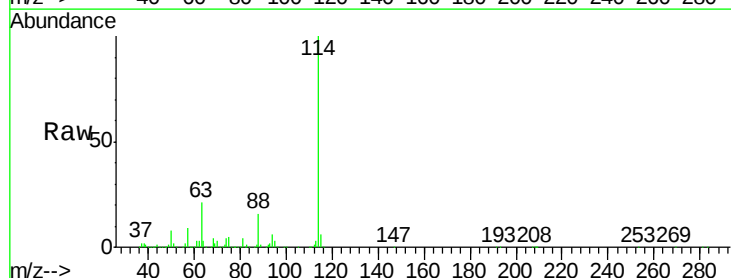
Tgt Ion: 114 Resp: 470603

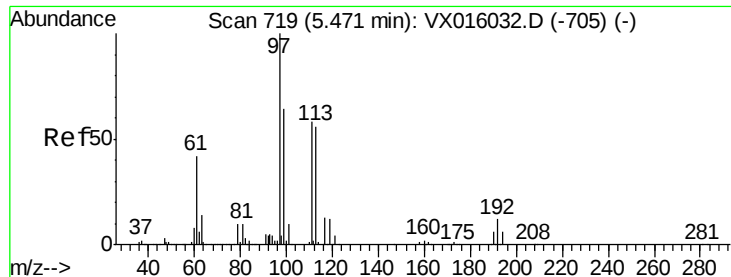
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

88 16.0 0.0 31.4





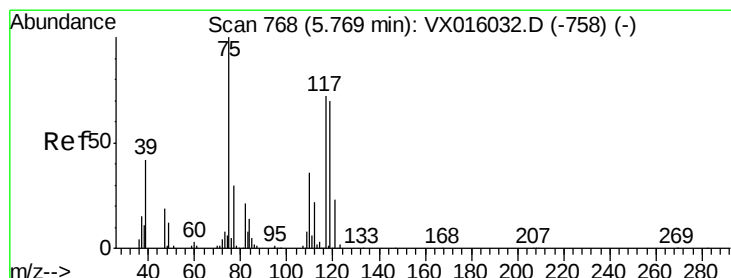
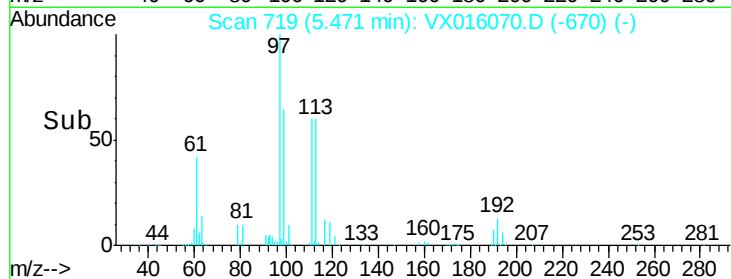
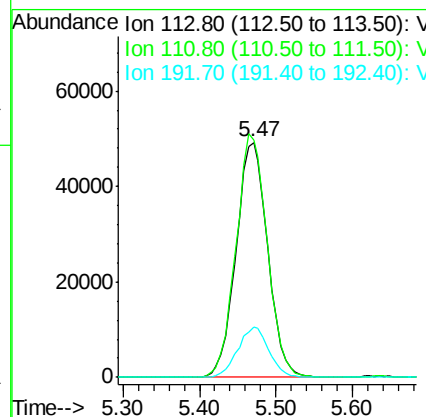
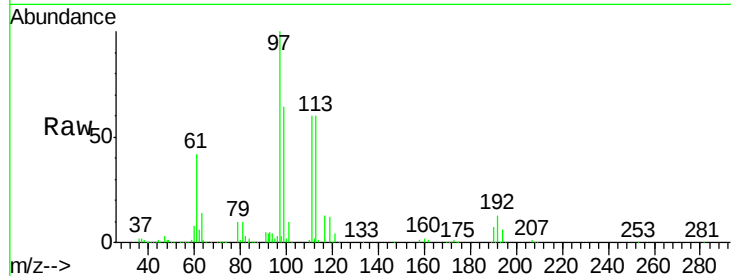
#35
 Dibromofluoromethane
 Concen: 47.239 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140843		
111	102.3	81.6	122.4	
192	21.2	17.0	25.4	

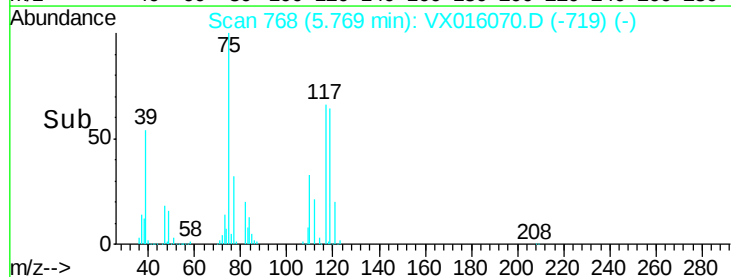
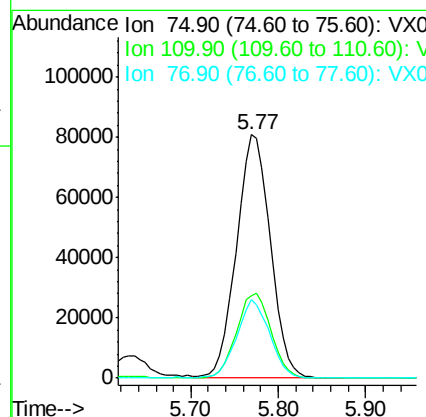
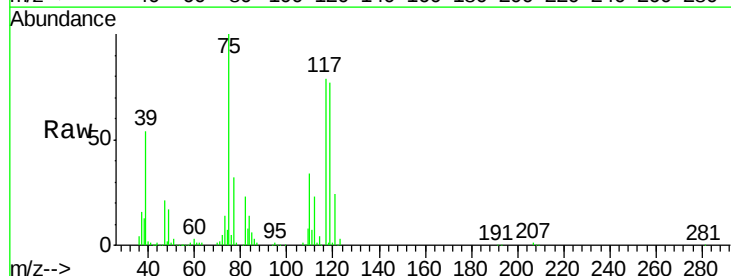
Manual Integrations
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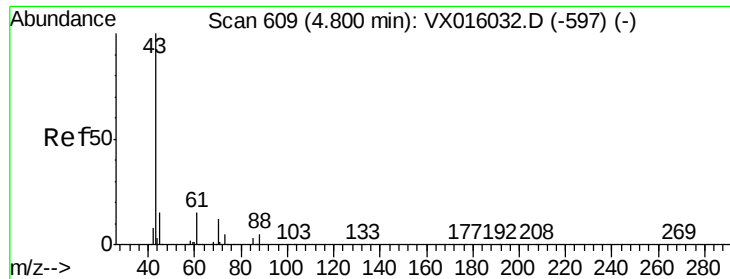
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#36
 1,1-Dichloropropene
 Concen: 46.976 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	217611		
110	35.6	18.1	54.1	
77	31.2	25.0	37.6	





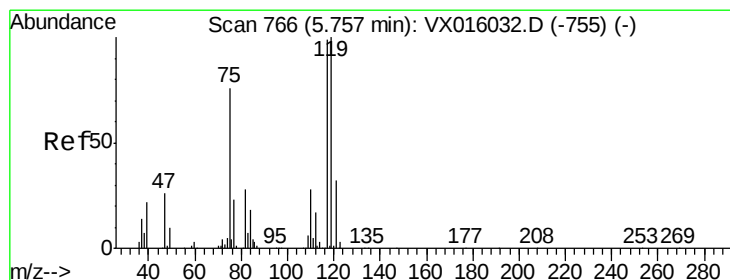
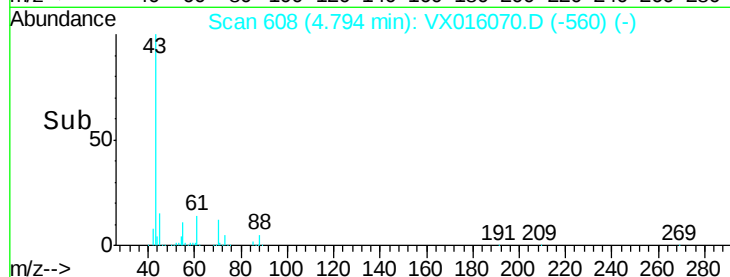
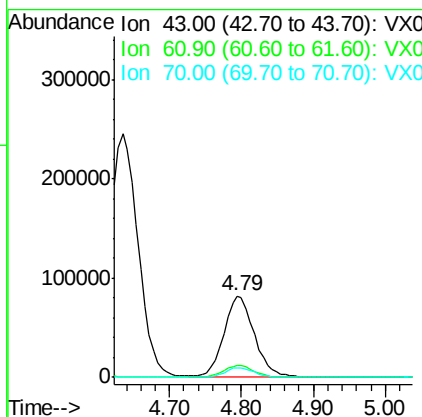
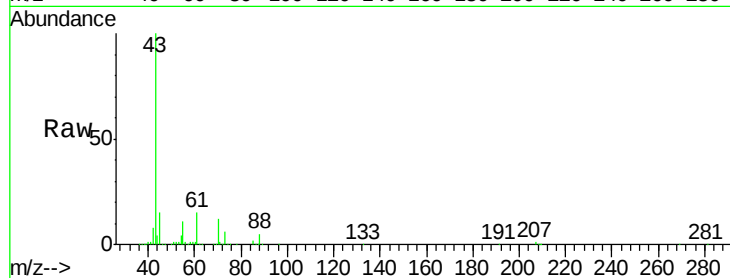
#37
Ethyl Acetate
Concen: 44.561 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	43	Resp	239251
Ion Ratio	Lower	Upper	
43	100		
61	14.3	11.7	17.5
70	11.5	9.3	13.9

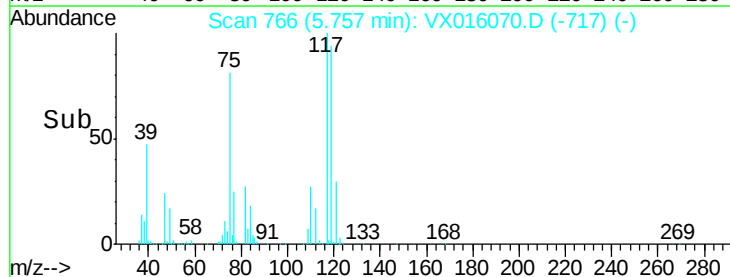
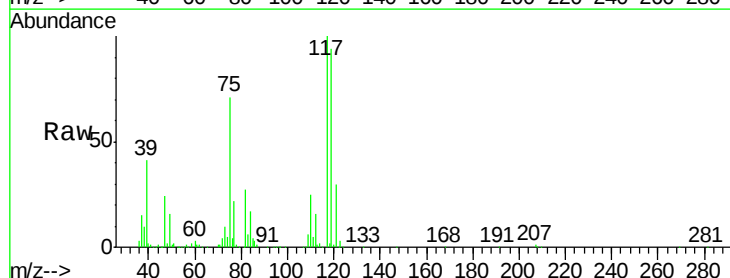
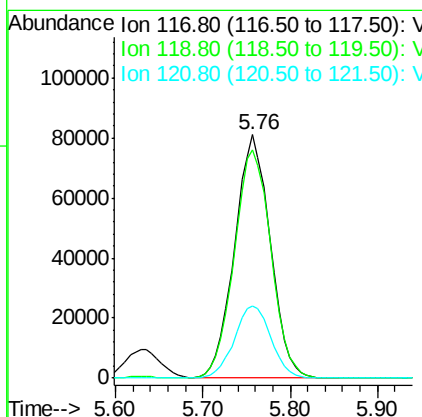
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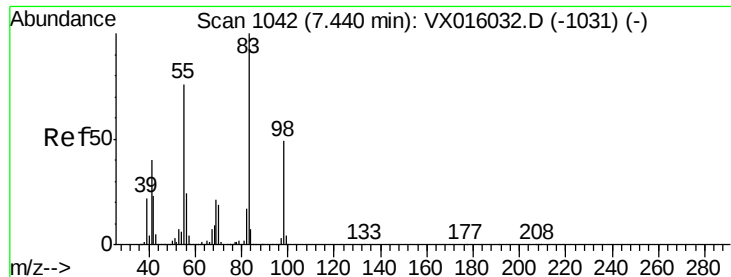
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5/6/2020 12:26:45 PM



#38
Carbon Tetrachloride
Concen: 48.673 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	117	Resp	229180
Ion Ratio	Lower	Upper	
117	100		
119	93.8	80.3	120.5
121	29.9	25.7	38.5





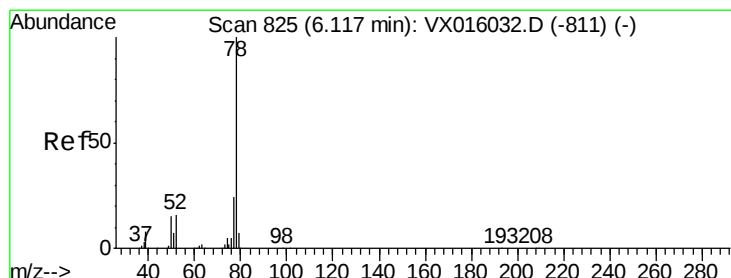
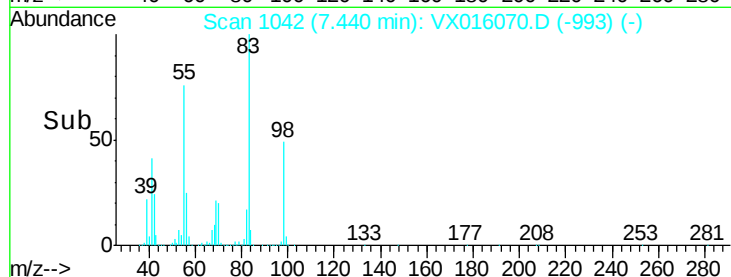
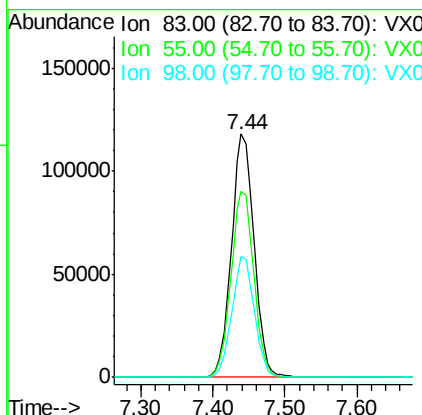
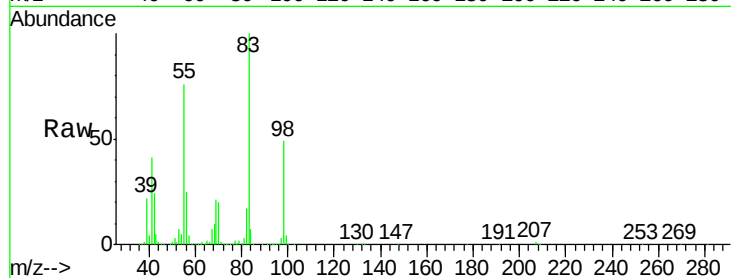
#39
Methvlcvclohexane
Concen: 46.329 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.1	91.7
98	49.4	39.0	58.4

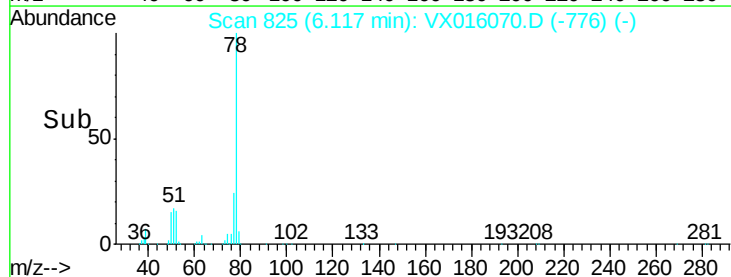
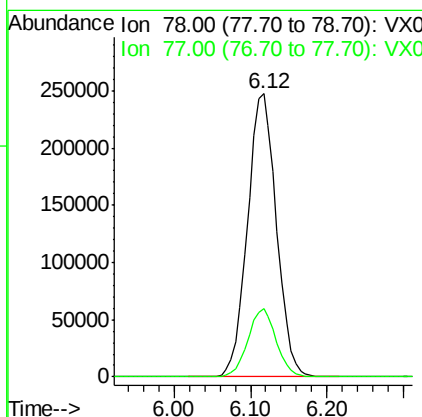
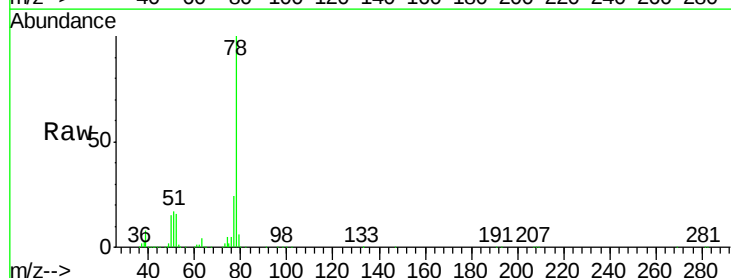
Manual Integrations
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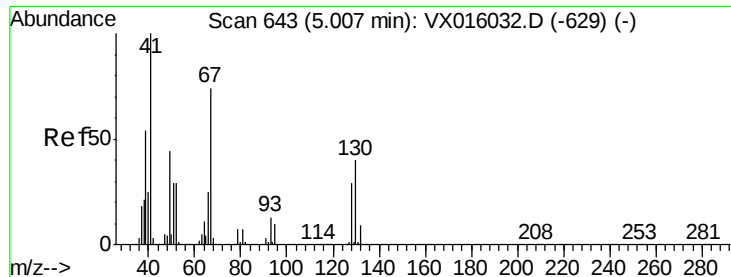
MMDadoda
5/6/2020 12:26:45 PM



#40
Benzene
Concen: 48.042 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





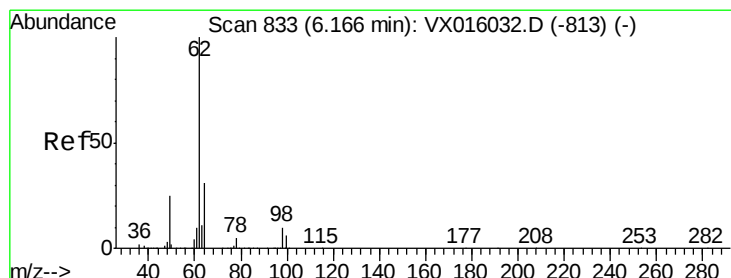
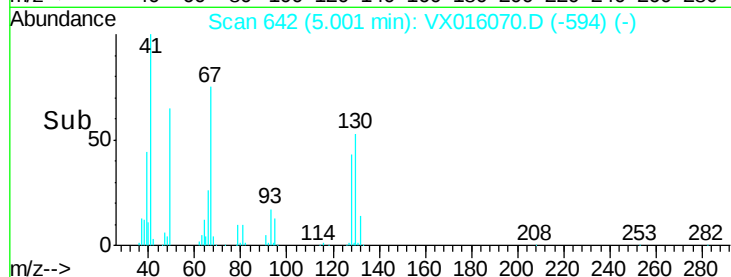
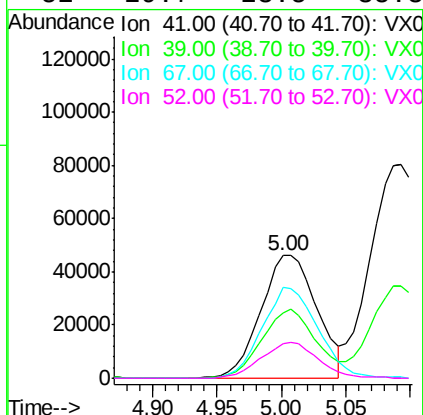
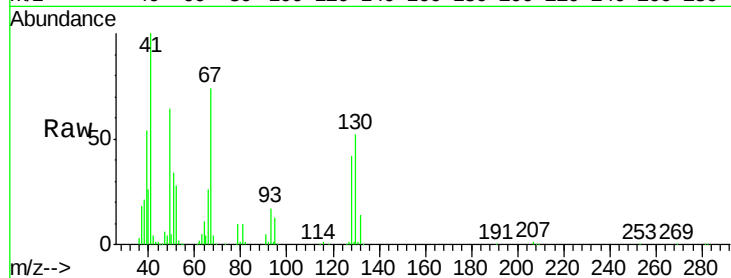
#41
Methacrylonitrile
Concen: 47.769 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.6	43.2	64.8		
67	74.2	59.3	88.9		
52	29.7	23.5	35.3		

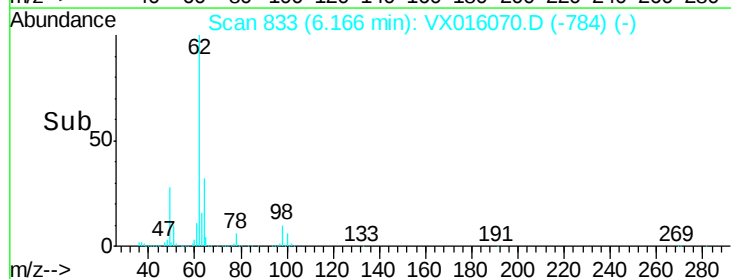
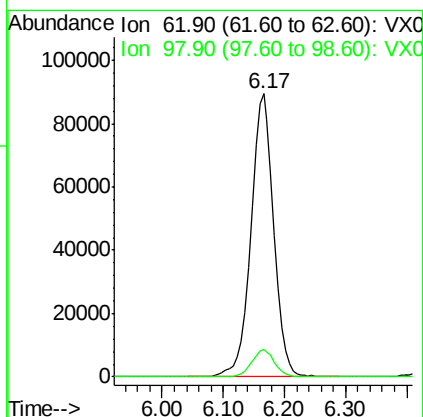
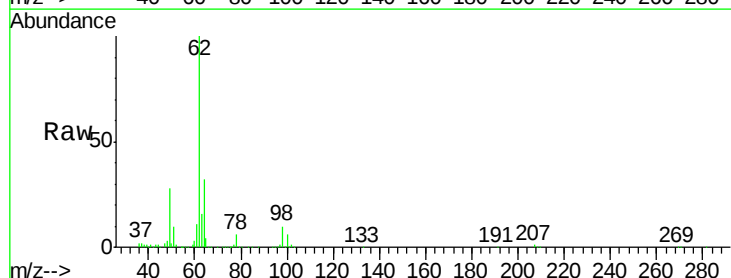
Manual Integrations
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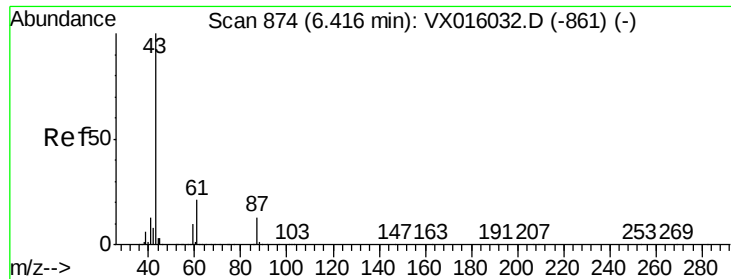
MMDadoda
5/6/2020 12:26:45 PM



#42
1,2-Dichloroethane
Concen: 47.891 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.7	0.0	19.4		





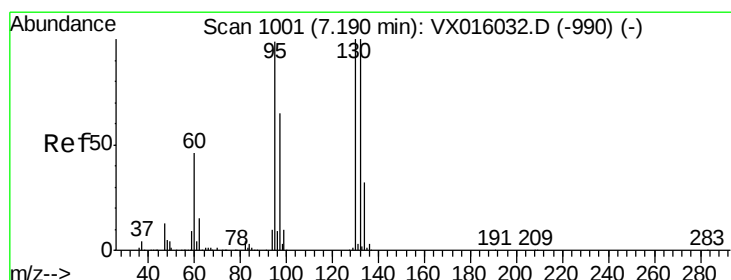
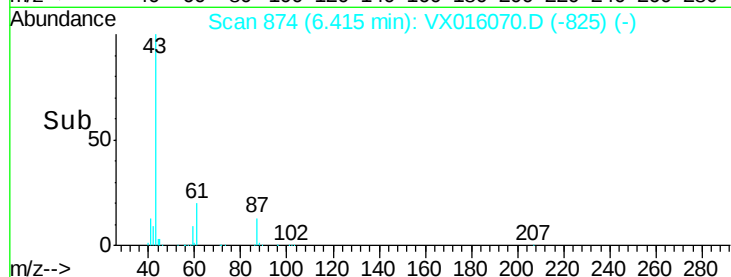
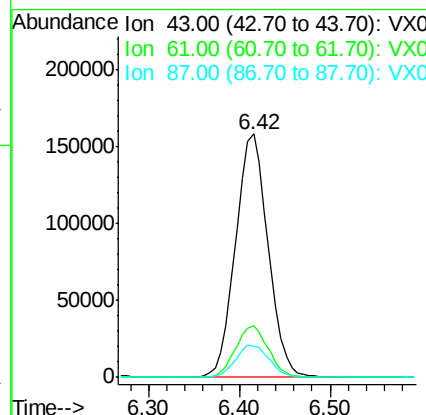
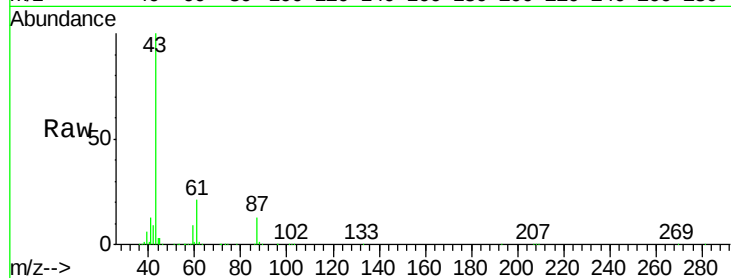
#43
Isopropyl Acetate
Concen: 45.717 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	13.8	11.0	16.6

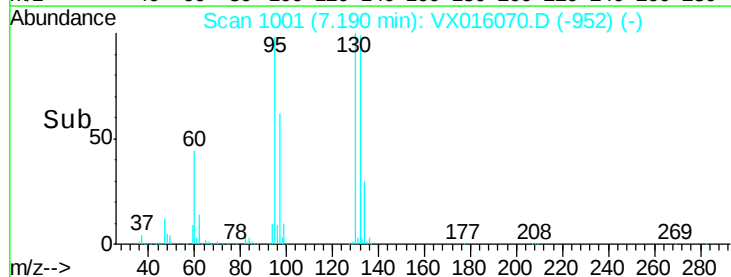
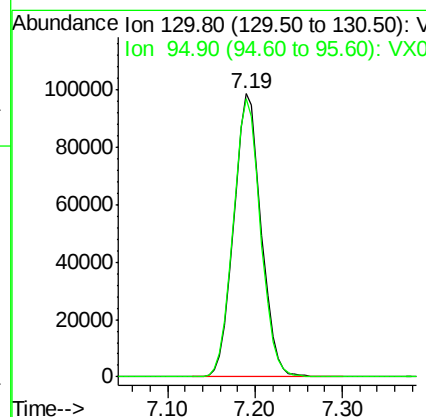
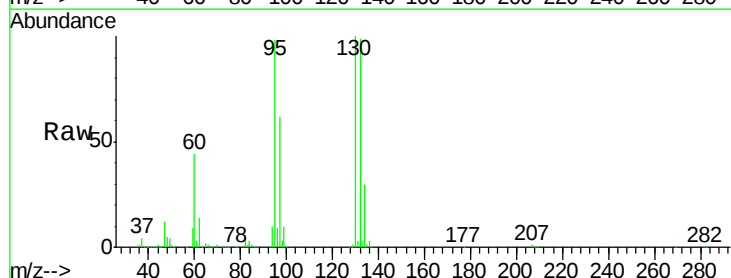
Manual Integrations
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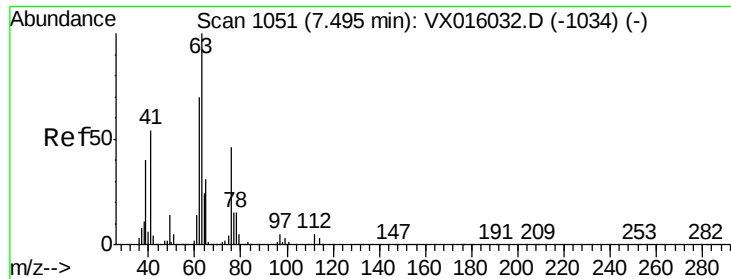
MMDadoda
5/6/2020 12:26:45 PM



#44
Trichloroethene
Concen: 44.586 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	197.4





#45

1,2-Dichloropropane

Concen: 48.869 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 63 Resp: 167605

Ion Ratio Lower Upper

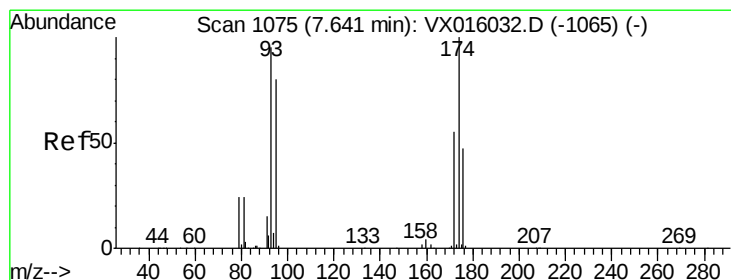
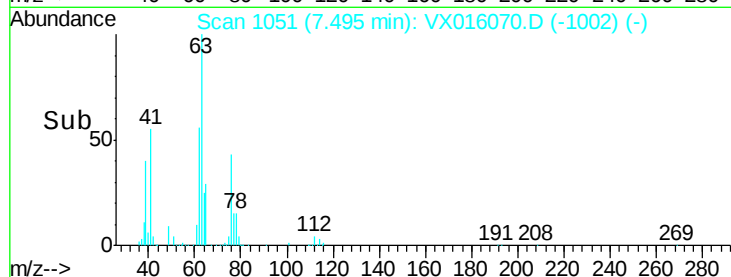
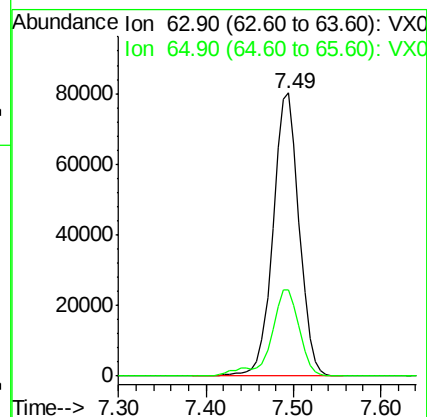
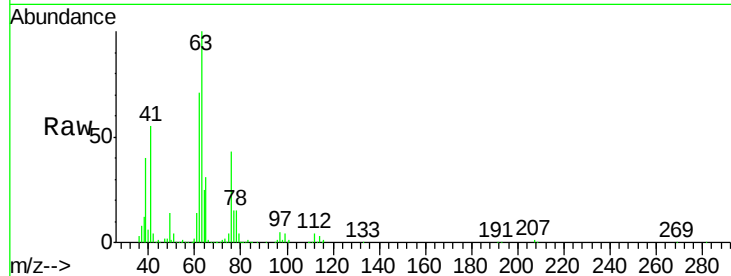
63 100

65 30.7 24.4 36.6

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#46

Dibromomethane

Concen: 48.482 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

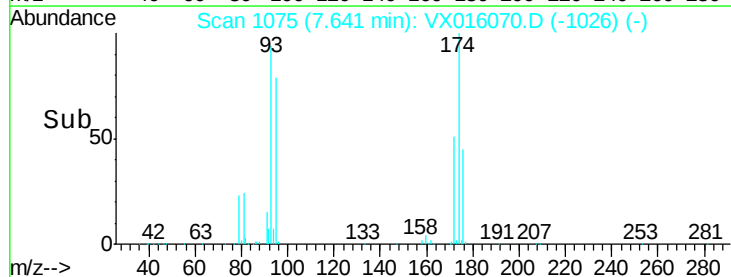
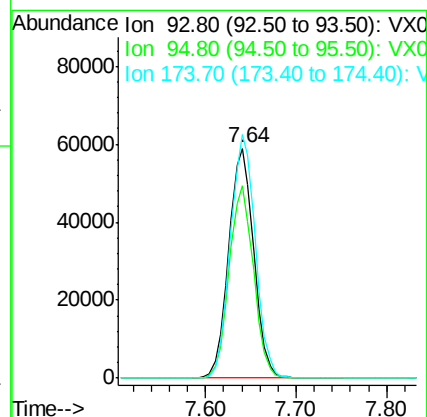
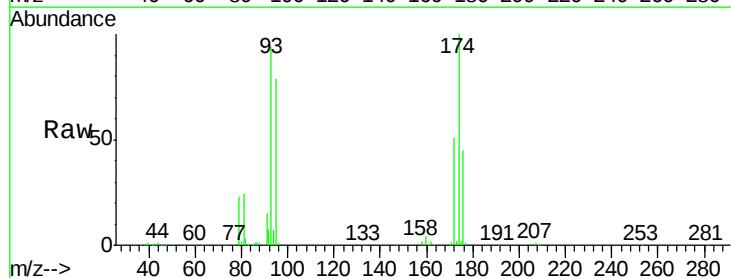
Tgt Ion: 93 Resp: 112999

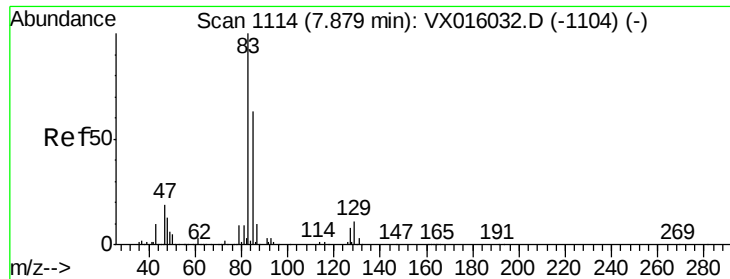
Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

174 105.6 84.2 126.4





#47

Bromodichloromethane

Concen: 49.249 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

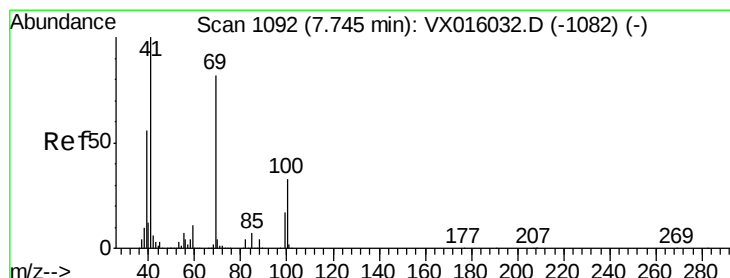
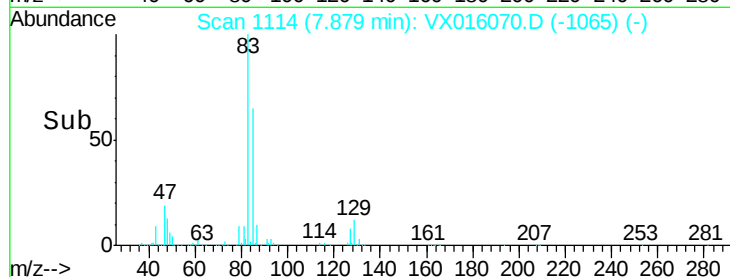
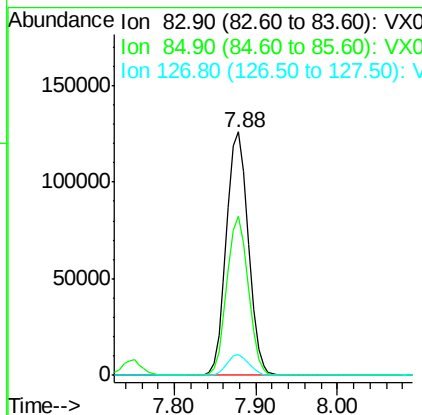
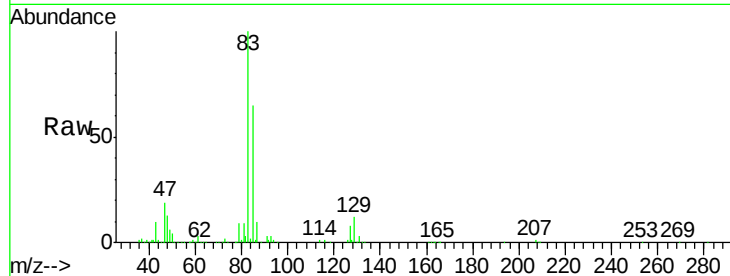
ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:	83	Resp:	233779
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.5	75.7
127	8.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.664 ug/l

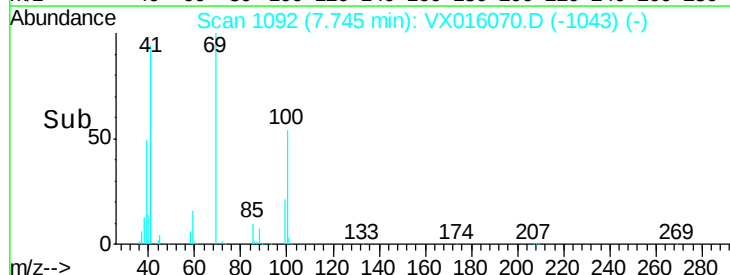
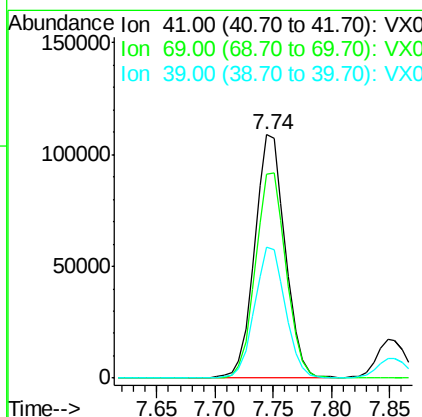
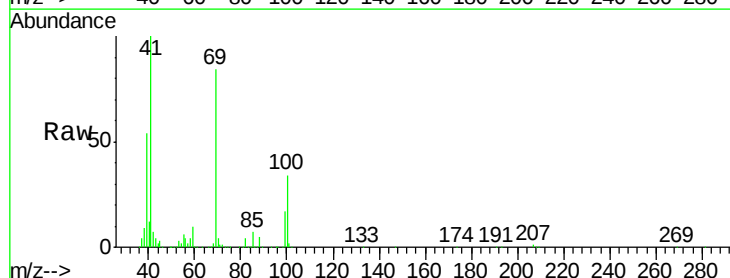
RT: 7.74 min Scan# 1092

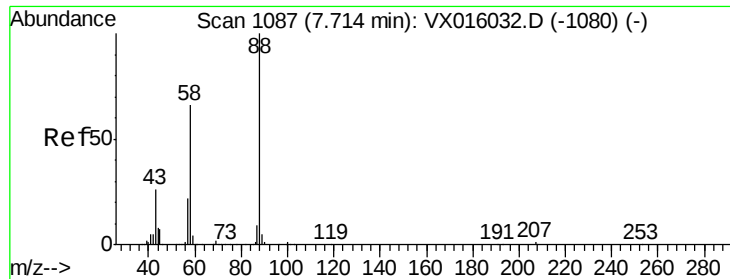
Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Tgt Ion:	41	Resp:	197542
Ion	Ratio	Lower	Upper
41	100		
69	85.1	67.8	101.6
39	54.3	44.6	67.0





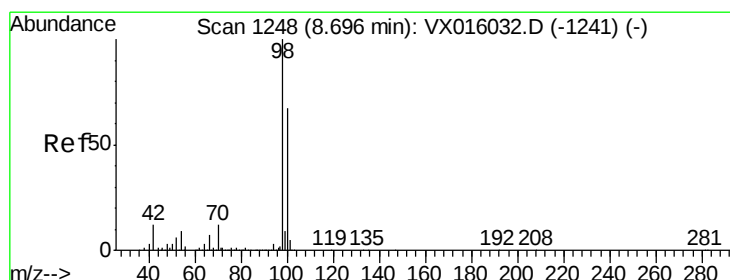
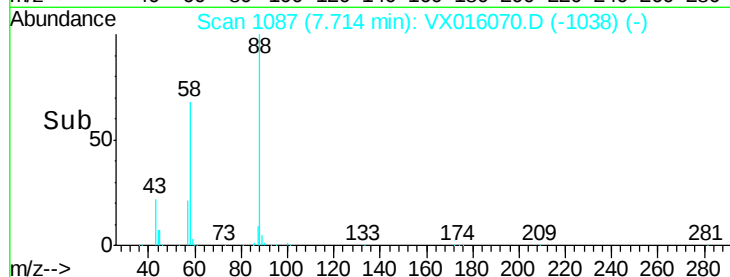
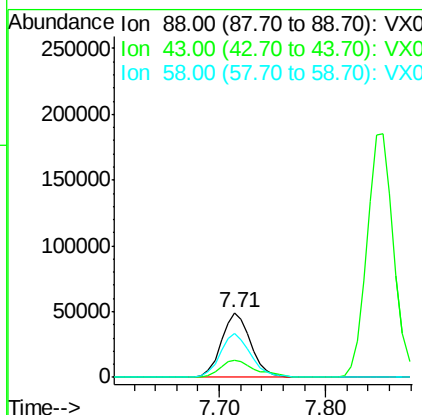
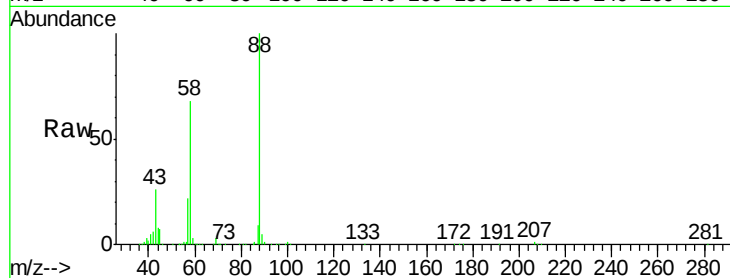
#49
1,4-Dioxane
Concen: 962.080 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.3	37.9
58	70.8	55.9	83.9

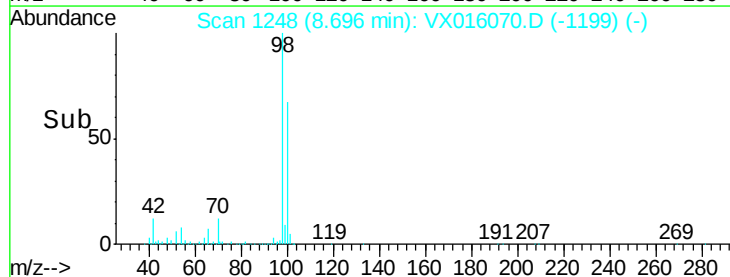
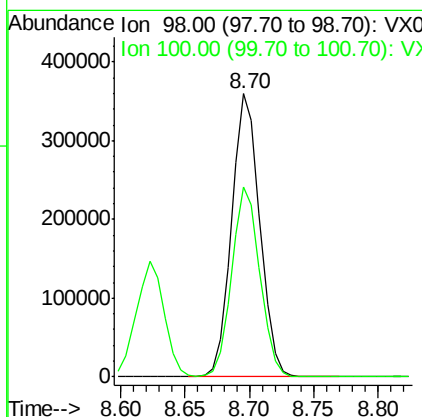
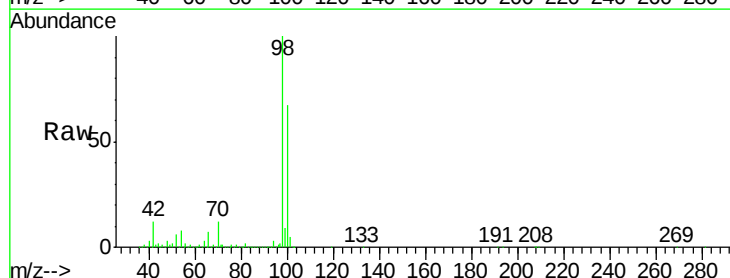
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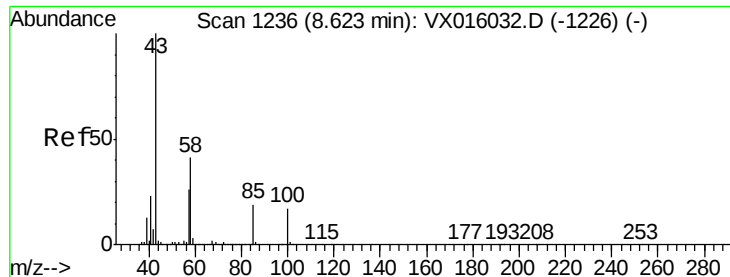
MMDadoda
5/6/2020 12:26:45 PM



#50
Toluene-d8
Concen: 47.668 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.7	80.5





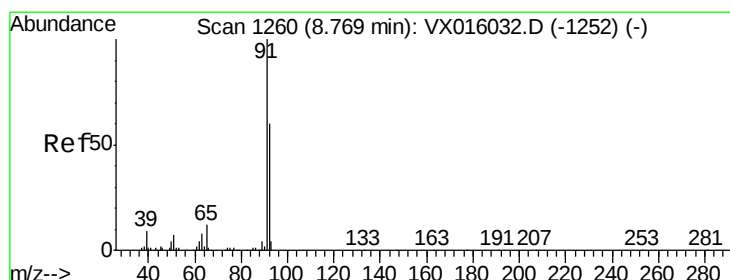
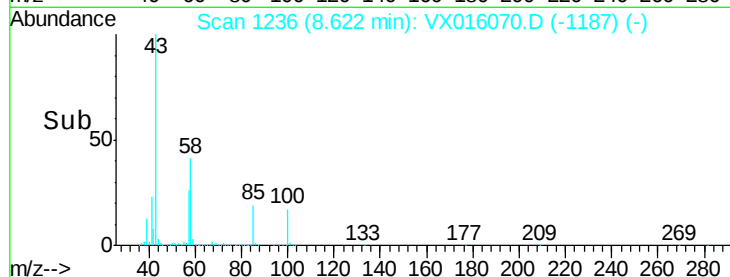
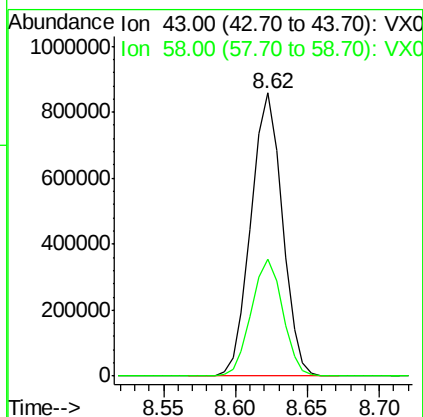
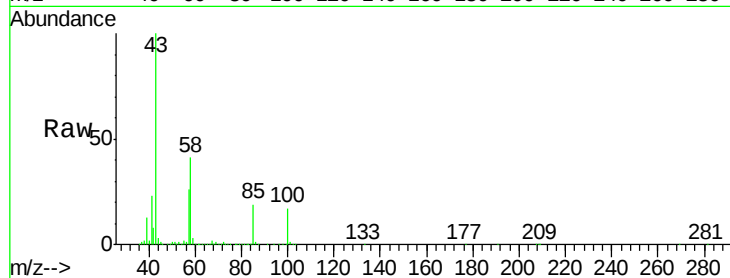
#51
4-Methyl-2-Pentanone
Concen: 246.688 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion: 43 Resp: 1293206
Ion Ratio Lower Upper
43 100
58 41.4 33.0 49.4

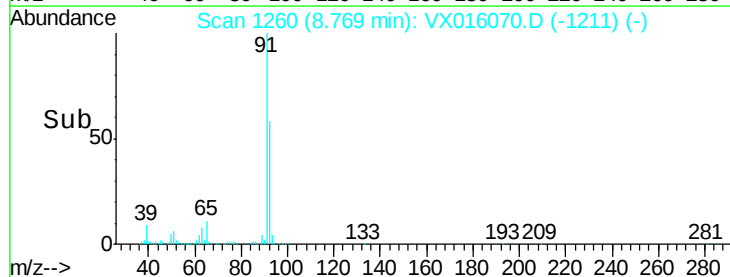
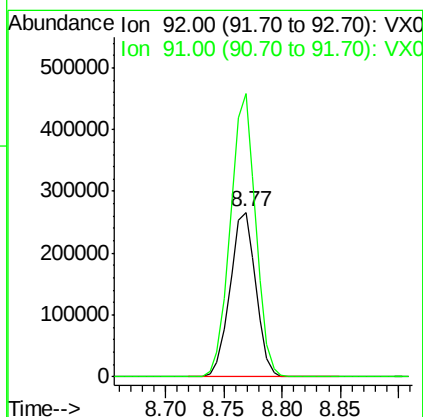
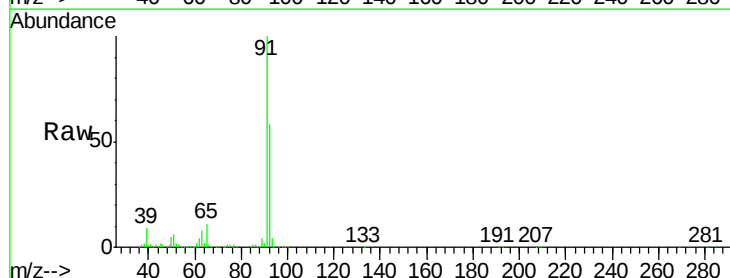
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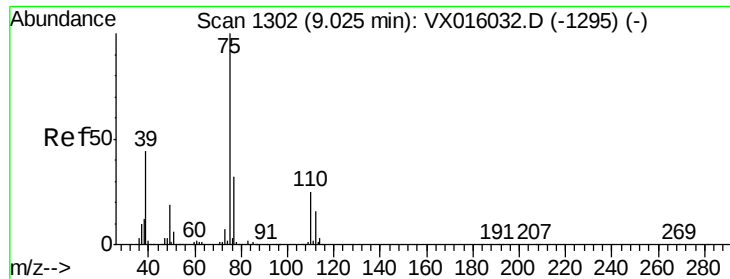
MMDadoda
5/6/2020 12:26:45 PM



#52
Toluene
Concen: 48.445 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion: 92 Resp: 409295
Ion Ratio Lower Upper
92 100
91 169.1 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 46.926 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 75 Resp: 265587

Ion Ratio Lower Upper

75 100

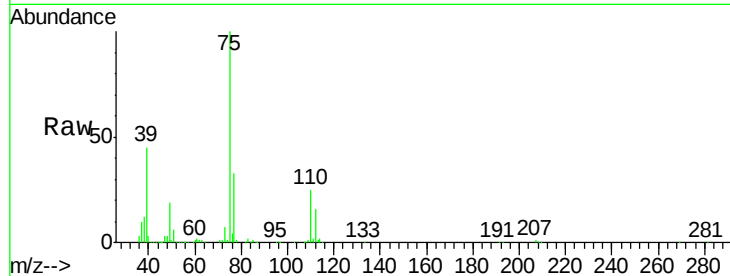
77 32.6 25.7 38.5

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

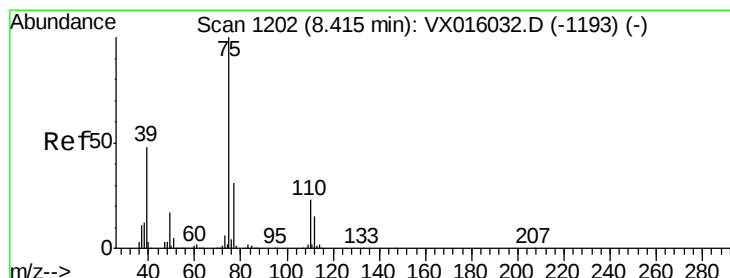
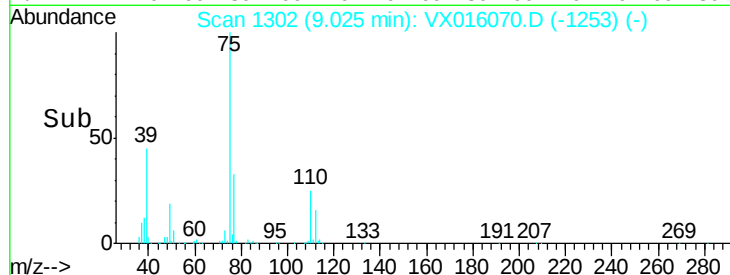
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.124 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

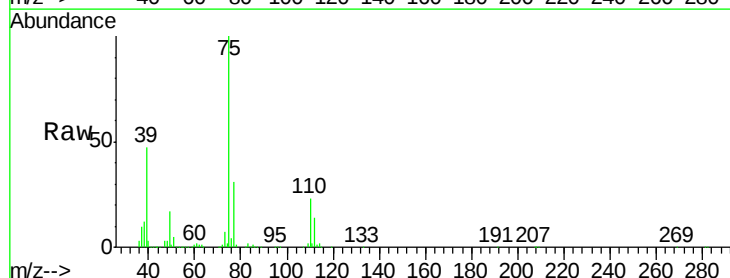
Tgt Ion: 75 Resp: 278581

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 47.4 38.7 58.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

200000

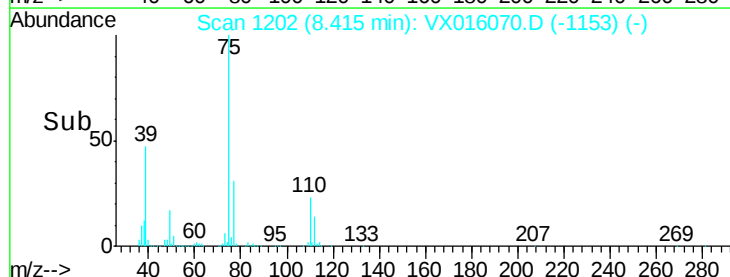
150000

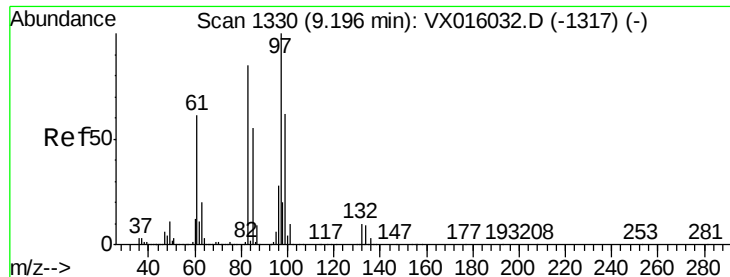
100000

50000

0

Time-->





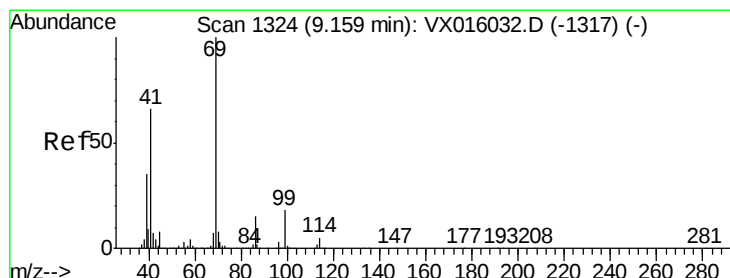
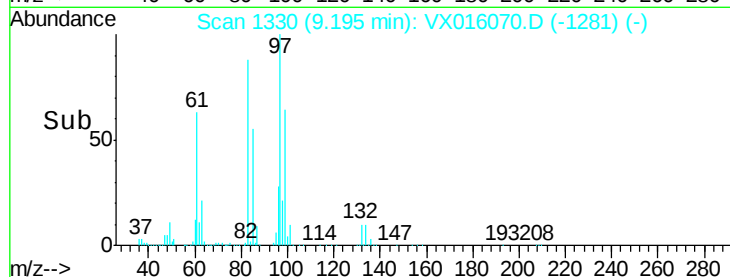
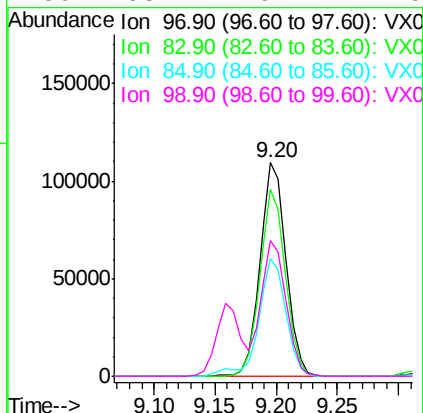
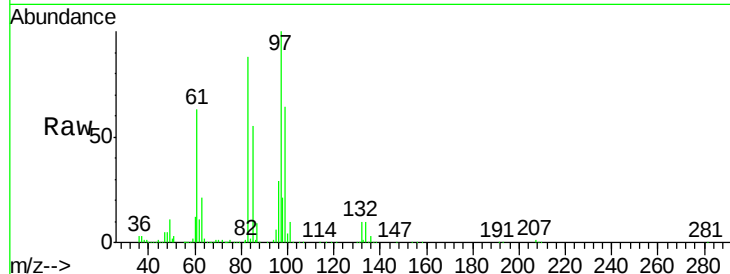
#55
 1,1,2-Trichloroethane
 Concen: 48.874 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion:	97	Resp:	162455
Ion	Ratio	Lower	Upper
97	100		
83	87.7	67.8	101.8
85	55.3	43.8	65.8
99	63.4	49.4	74.0

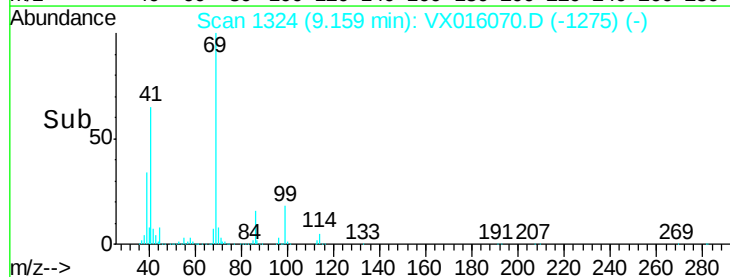
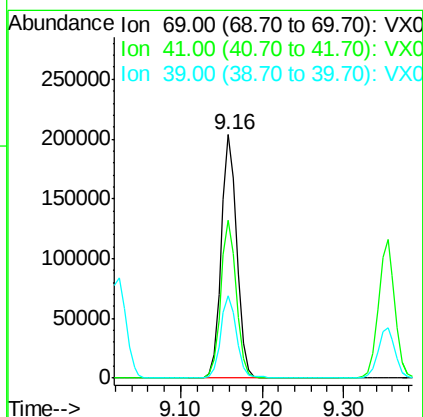
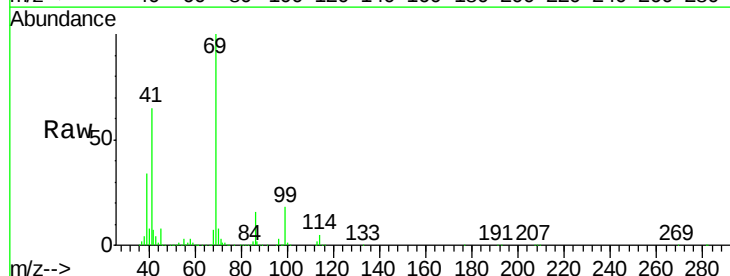
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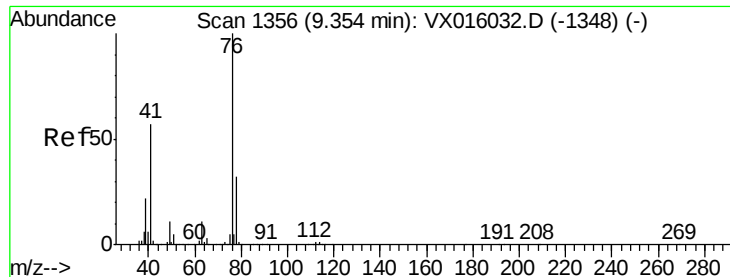
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#56
 Ethyl methacrylate
 Concen: 50.080 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Tgt Ion:	69	Resp:	271725
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.2	78.4
39	34.4	28.2	42.4





#57

1,3-Dichloropropane

Concen: 49.200 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 76 Resp: 285360

Ion Ratio Lower Upper

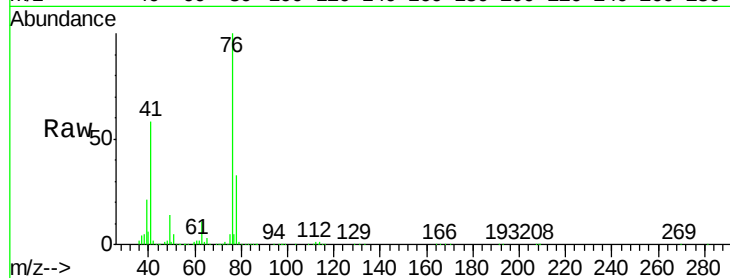
76 100

78 32.3 25.9 38.9

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

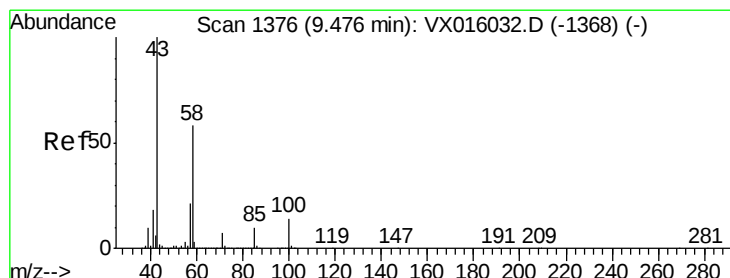
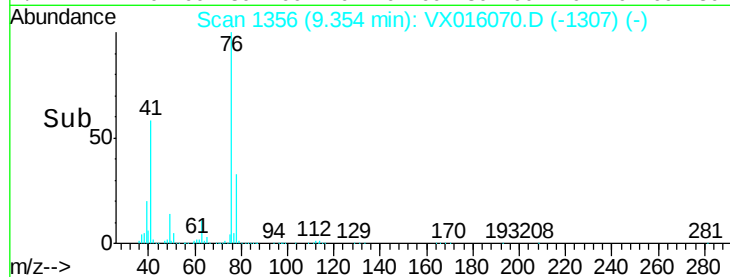
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 244.875 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX016070.D

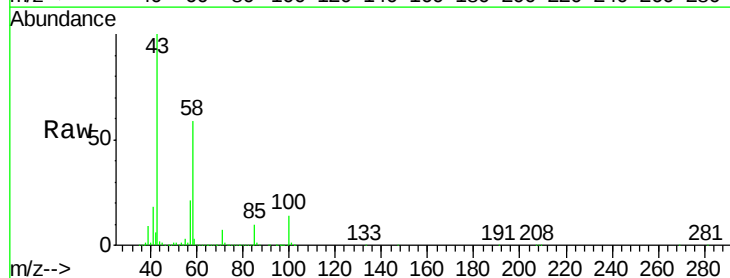
Acq: 05 May 2020 17:36

Tgt Ion: 43 Resp: 1008121

Ion Ratio Lower Upper

43 100

58 57.9 28.6 85.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.48

800000

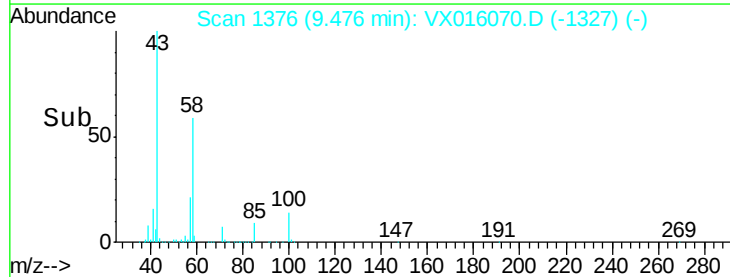
600000

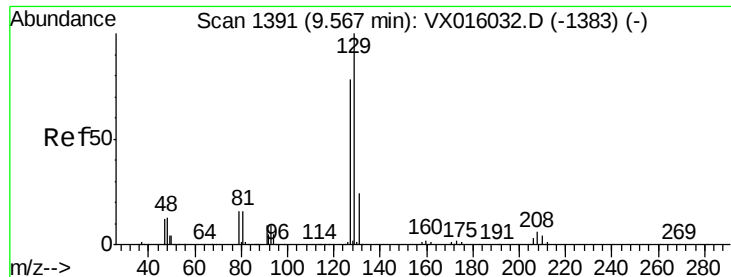
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 50.084 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:129 Resp: 183351

Ion Ratio Lower Upper

129 100

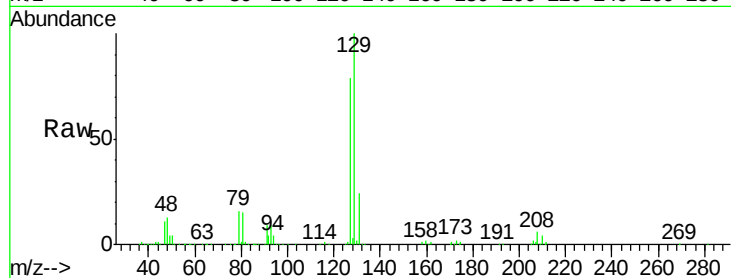
127 78.9 38.4 115.2

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

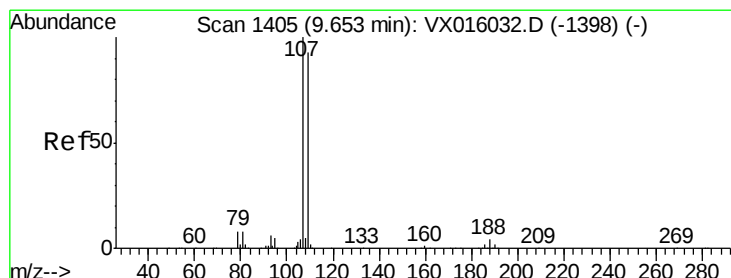
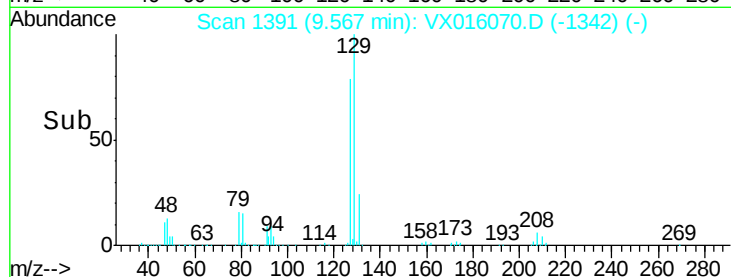
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 48.876 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016070.D

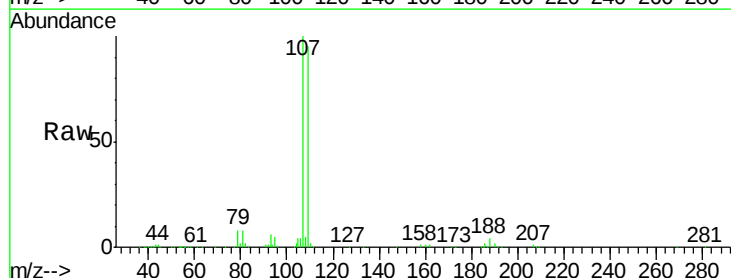
Acq: 05 May 2020 17:36

Tgt Ion:107 Resp: 175977

Ion Ratio Lower Upper

107 100

109 94.1 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

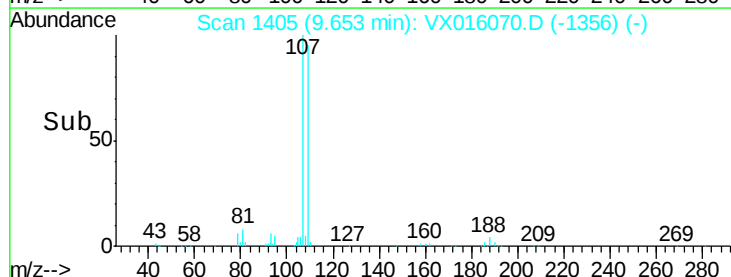
9.65

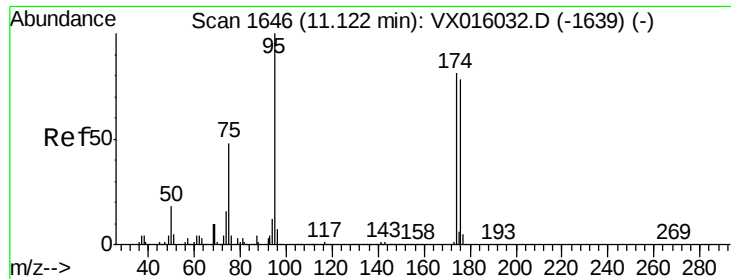
100000

50000

0

Time-->





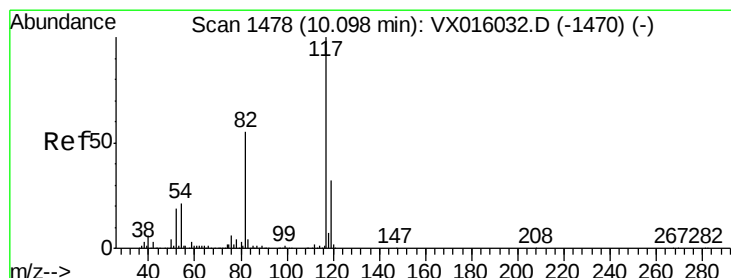
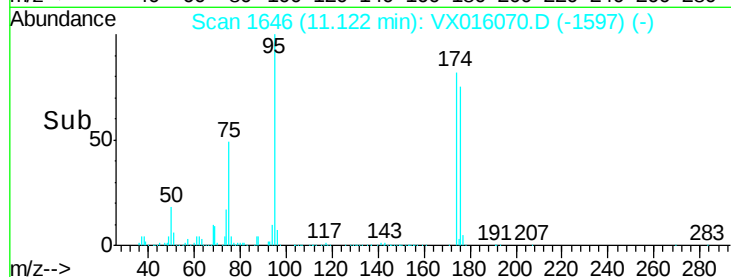
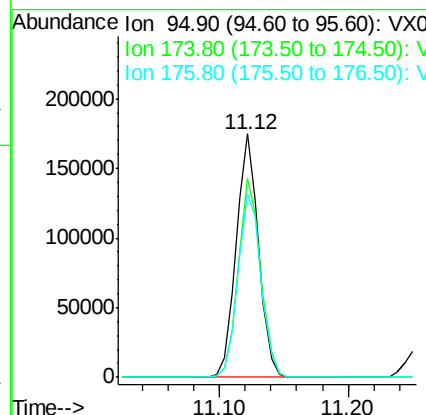
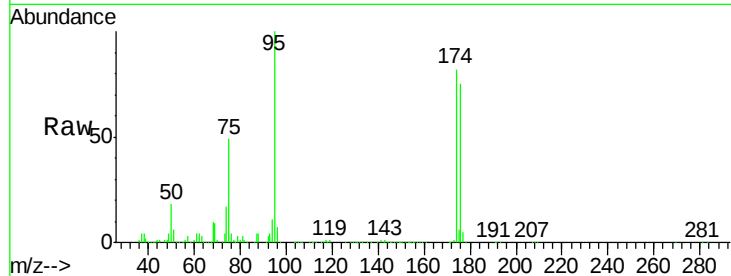
#62
4-Bromofluorobenzene
Concen: 48.248 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	210815		
174	82.2	0.0	159.4	
176	78.3	0.0	157.6	

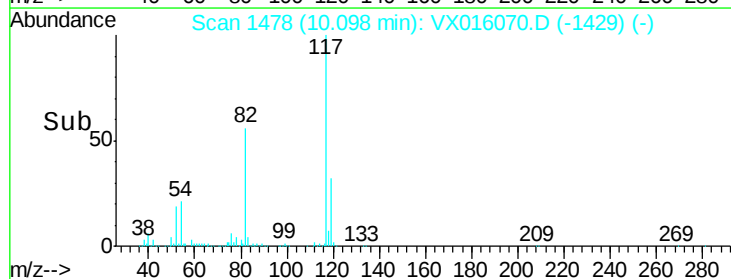
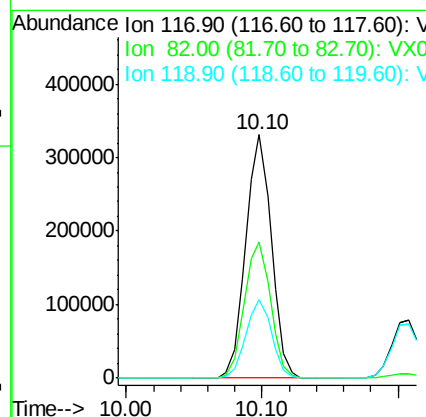
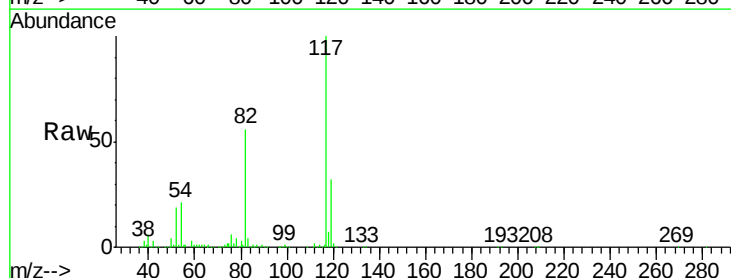
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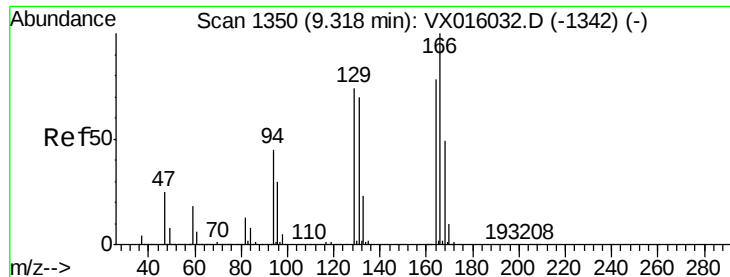
MMDadoda
5/6/2020 12:26:45 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	437266		
82	55.7	44.4	66.6	
119	32.4	25.5	38.3	





#64

Tetrachloroethene

Concen: 47.131 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:164 Resp: 252999

Ion Ratio Lower Upper

164 100

166 127.4 102.9 154.3

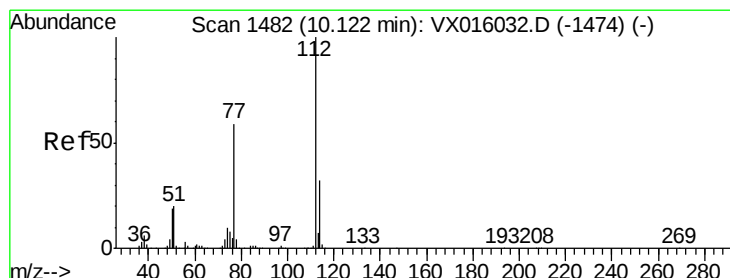
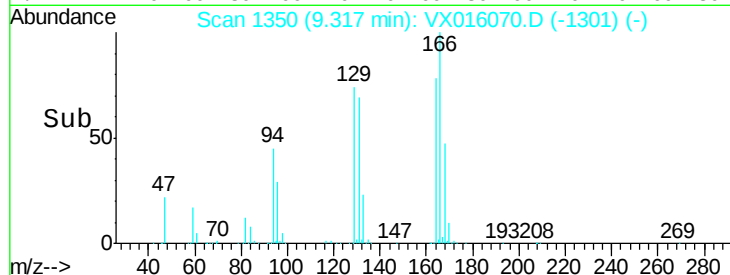
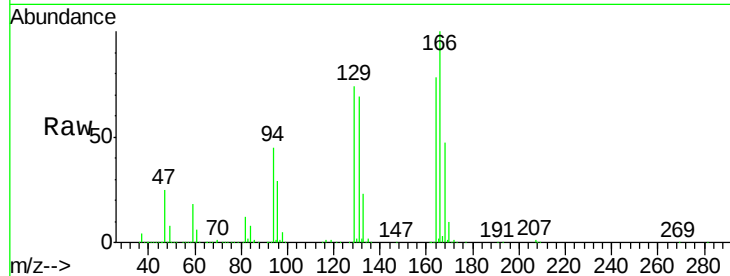
129 94.1 76.1 114.1

131 88.2 71.9 107.9

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#65

Chlorobenzene

Concen: 47.608 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016070.D

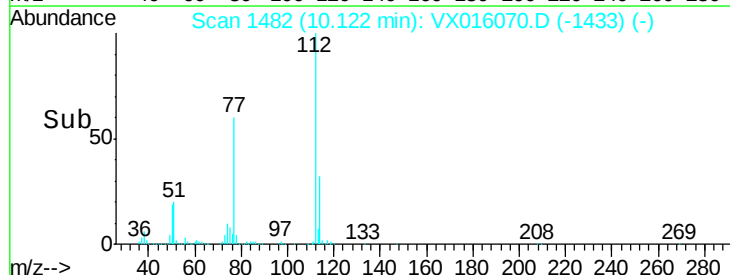
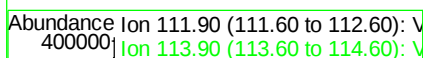
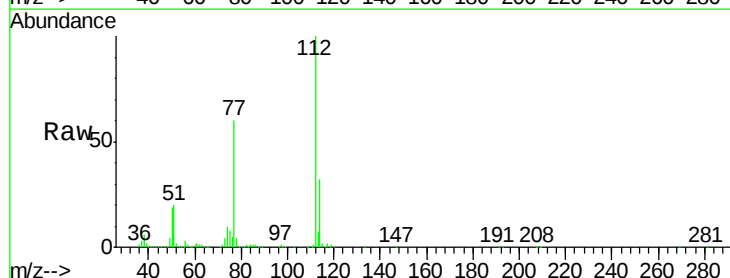
Acq: 05 May 2020 17:36

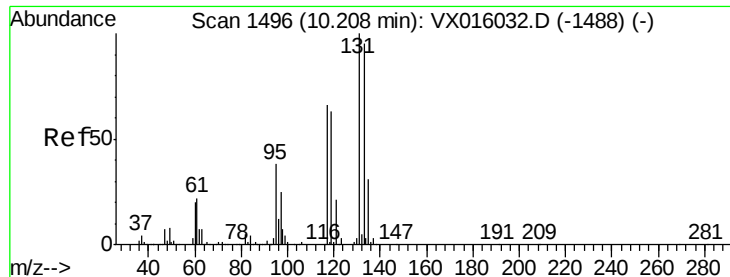
Tgt Ion:112 Resp: 435889

Ion Ratio Lower Upper

112 100

114 31.6 25.7 38.5





#66

1,1,1,2-Tetrachloroethane

Concen: 48.588 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

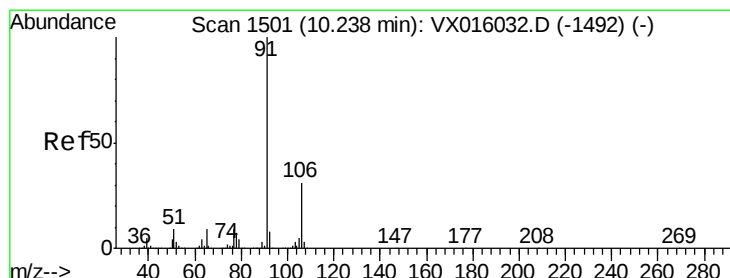
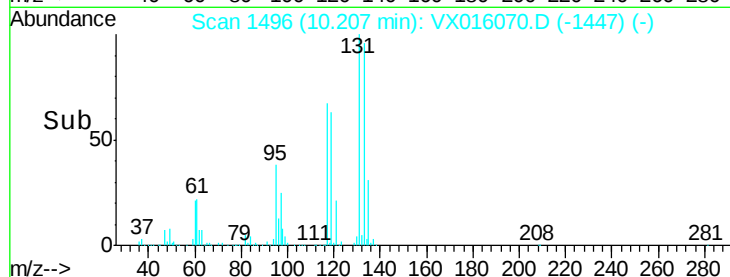
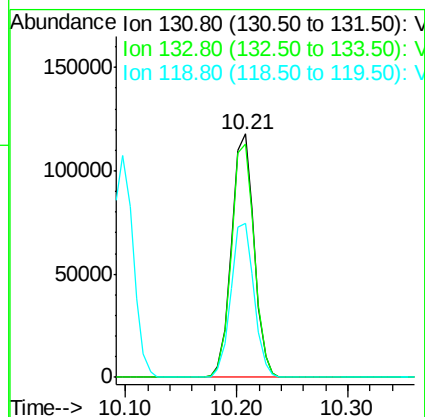
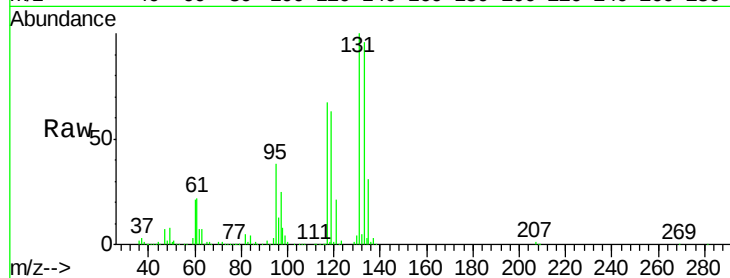
ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:	131	Resp:	164425
Ion Ratio	Lower	Upper	
131	100		
133	97.5	48.3	144.8
119	64.5	32.3	96.9

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#67

Ethyl Benzene

Concen: 48.175 ug/l

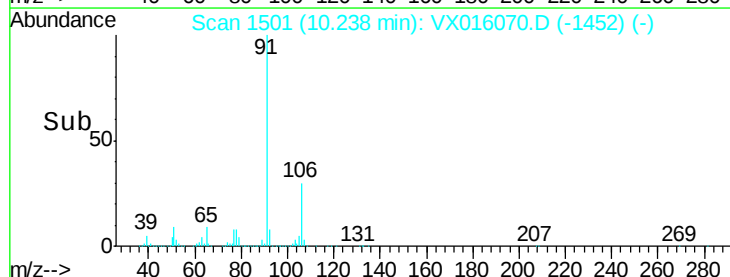
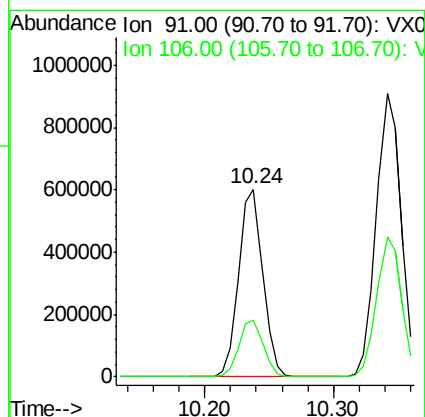
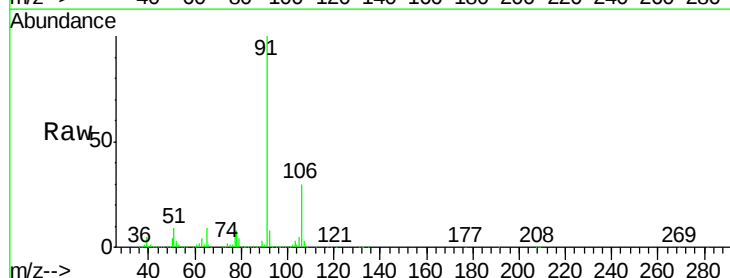
RT: 10.24 min Scan# 1501

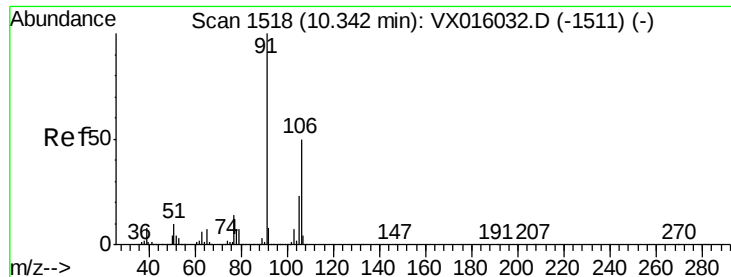
Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Tgt Ion:	91	Resp:	787004
Ion Ratio	Lower	Upper	
91	100		
106	30.4	25.1	37.7





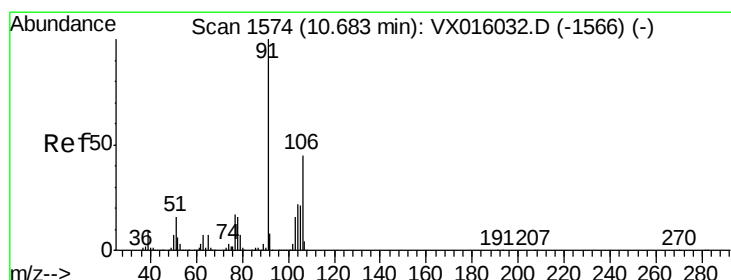
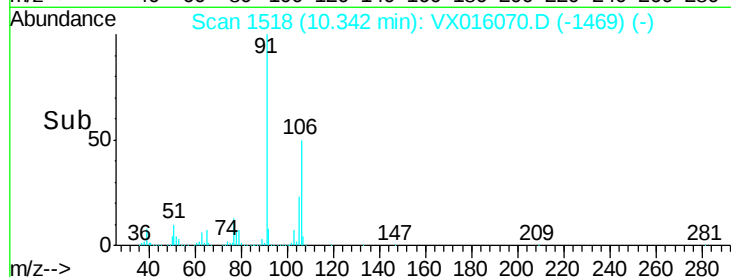
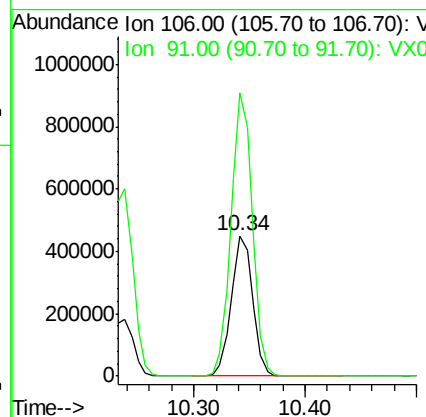
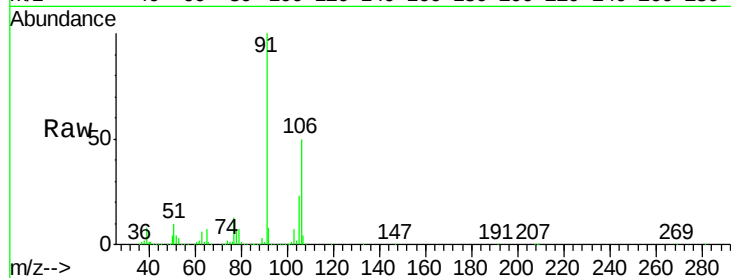
#68
m/p-Xylenes
Concen: 97.250 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampled :
SA-PZ148-20200428MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		595230		
91	201.7	161.7	242.5		

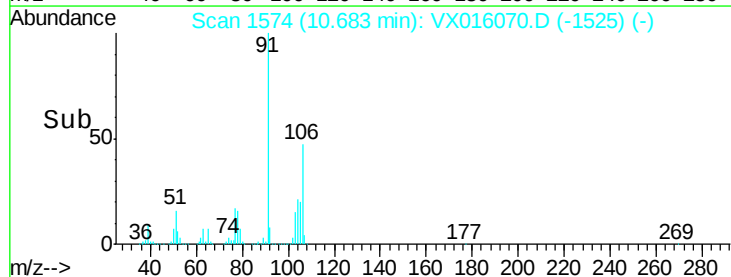
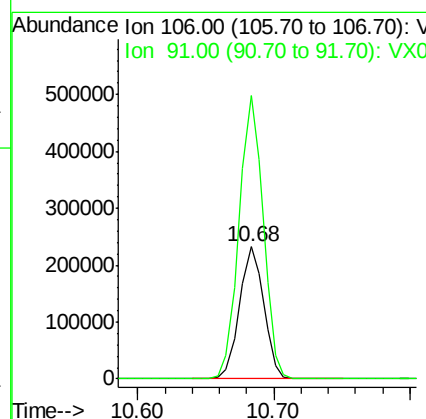
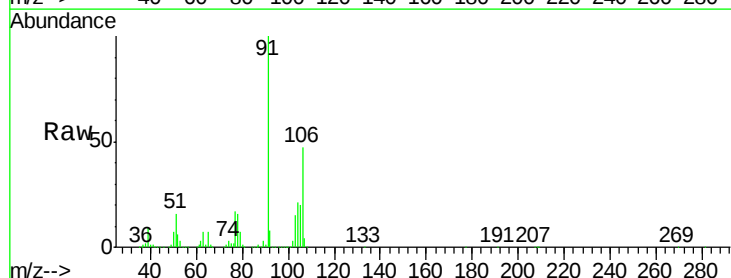
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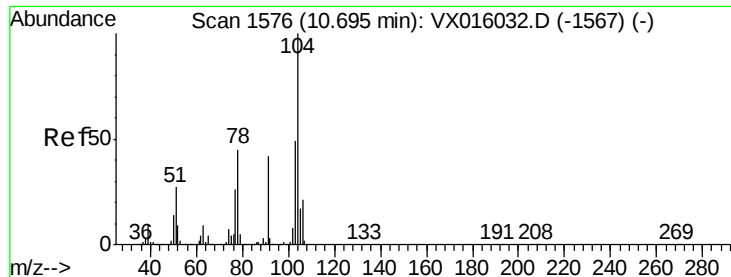
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#69
o-Xylene
Concen: 49.146 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		289143		
91	213.2	107.5	322.6		





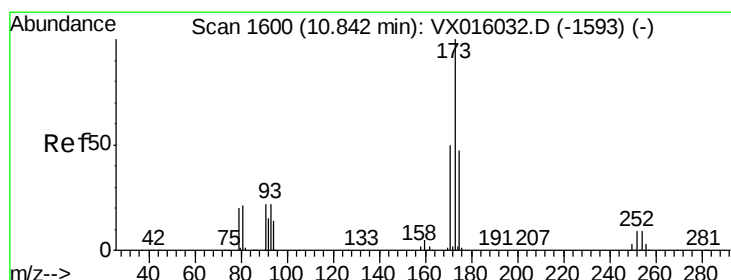
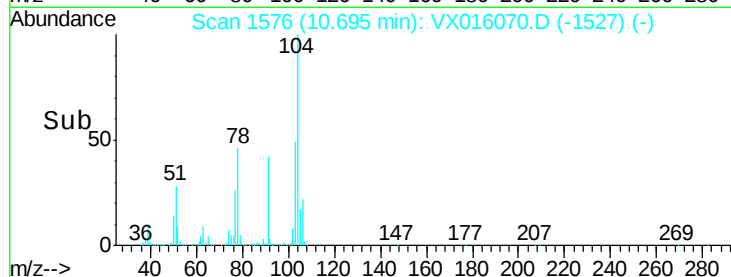
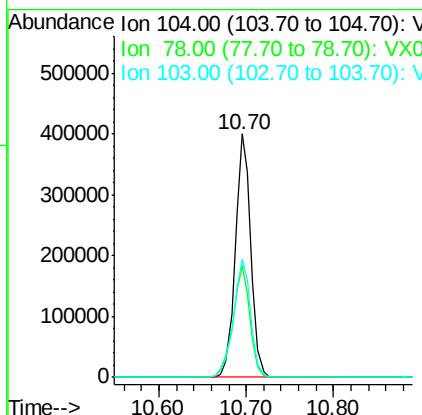
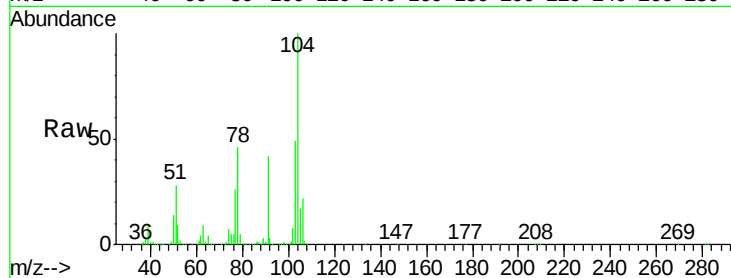
#70
Stvrene
Concen: 49.844 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MSD

Tot Ion:	104	Resp:	497501
Ion Ratio	Lower	Upper	
104	100		
78	49.8	40.2	60.2
103	53.4	43.0	64.6

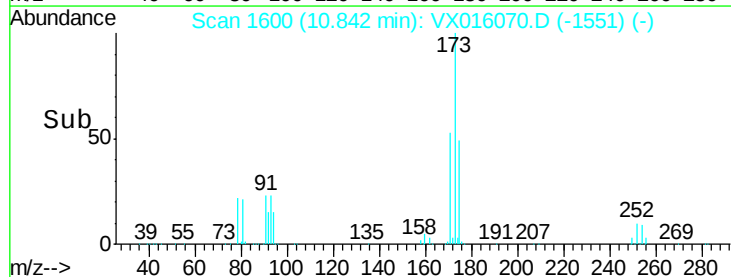
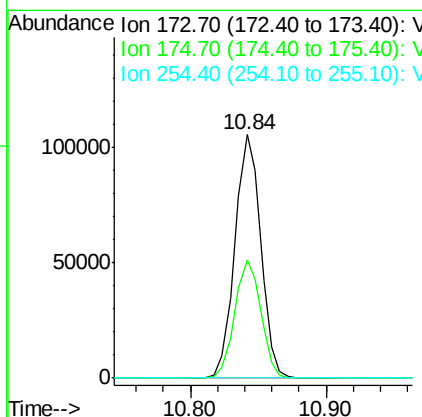
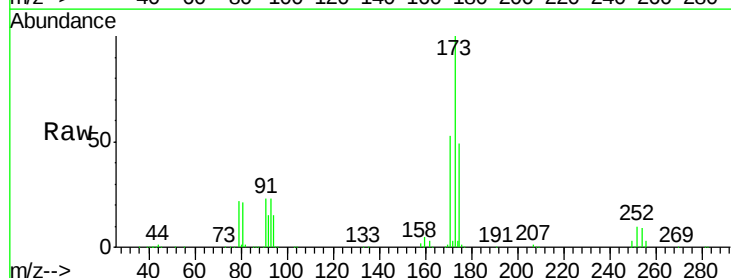
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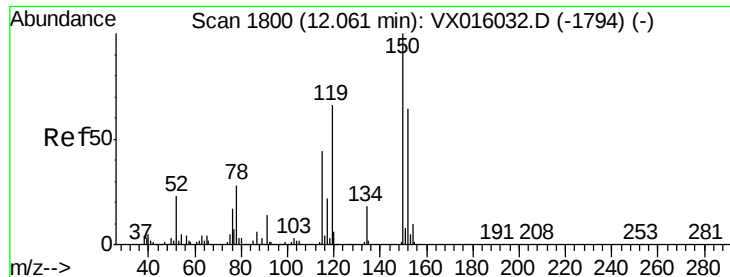
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5/6/2020 12:26:45 PM



#71
Bromoform
Concen: 50.485 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016070.D
Acq: 05 May 2020 17:36

Tgt Ion:	173	Resp:	139194
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.0	72.0
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

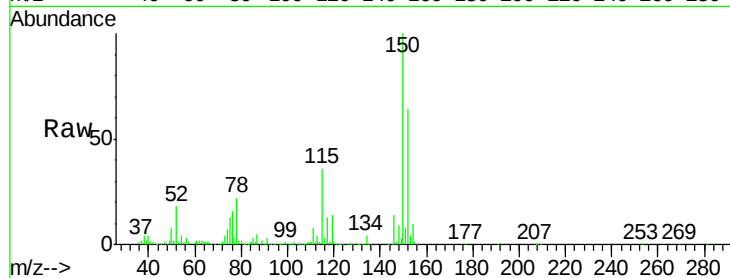
ClientSampleId :

SA-PZ148-20200428MSD

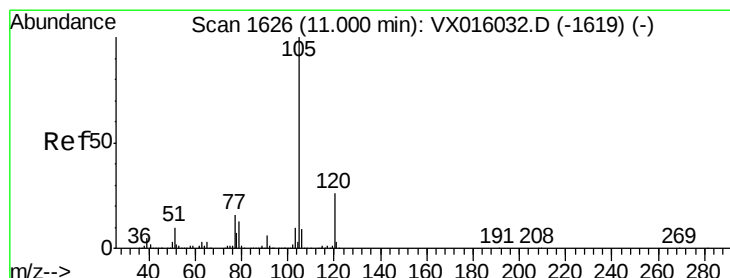
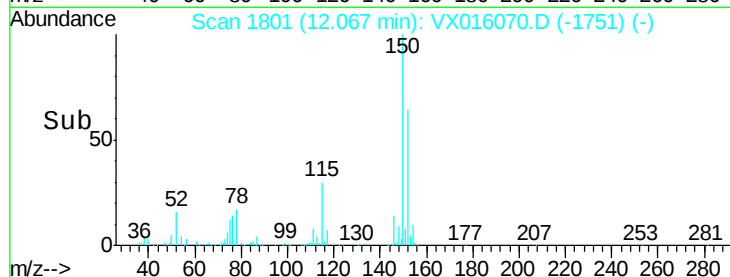
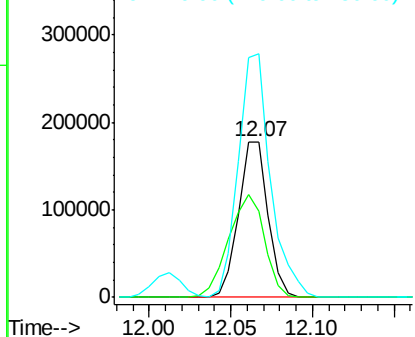
Tot Ion:	152	Resp:	225102
Ion Ratio	Lower	Upper	
152	100		
115	80.2	41.3	124.1
150	171.1	0.0	352.2

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 46.787 ug/l

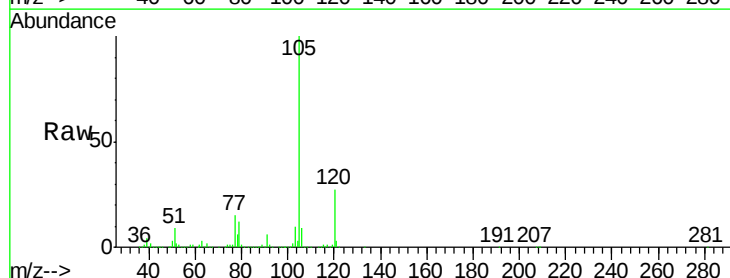
RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

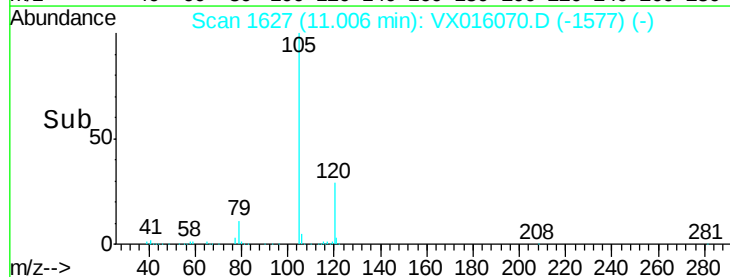
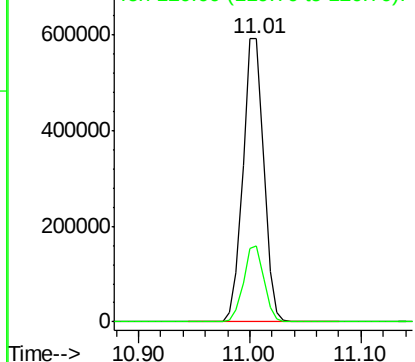
Lab File: VX016070.D

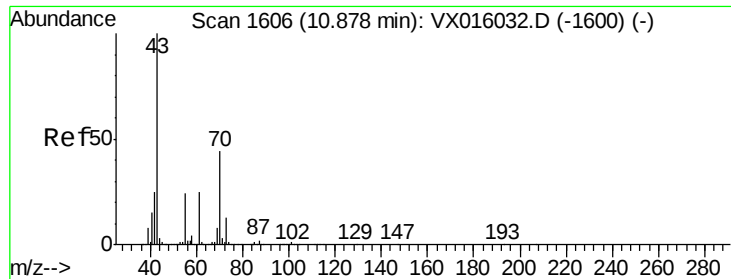
Acq: 05 May 2020 17:36

Tgt Ion:	105	Resp:	766028
Ion Ratio	Lower	Upper	
105	100		
120	26.4	13.4	40.2



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





#74

N-amvl acetate

Concen: 43.026 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

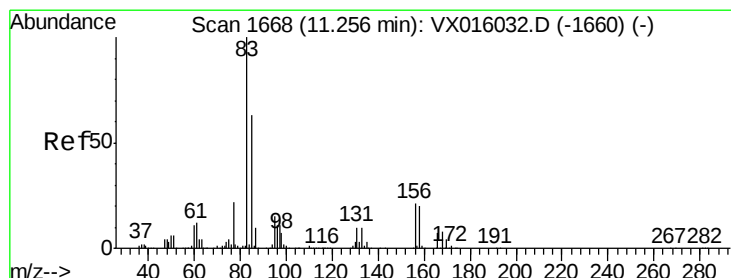
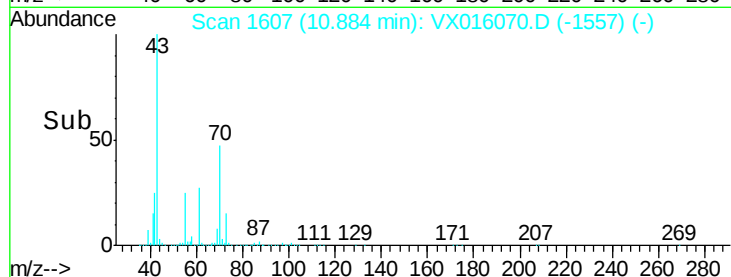
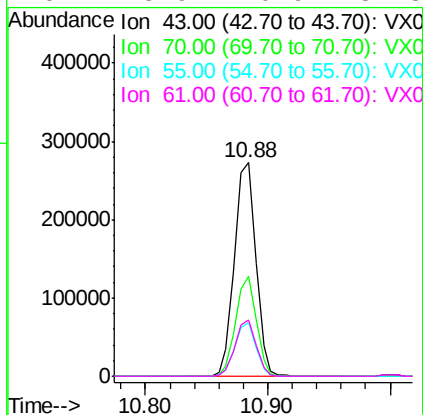
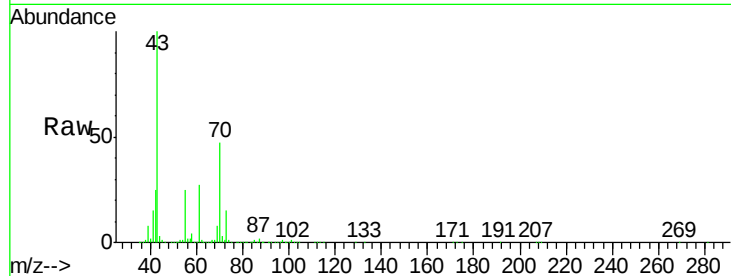
ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		328588		
70	45.2	36.5	54.7		
55	24.8	19.7	29.5		
61	25.9	20.9	31.3		

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.430 ug/l

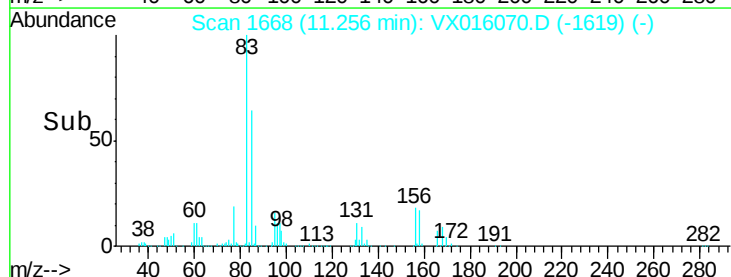
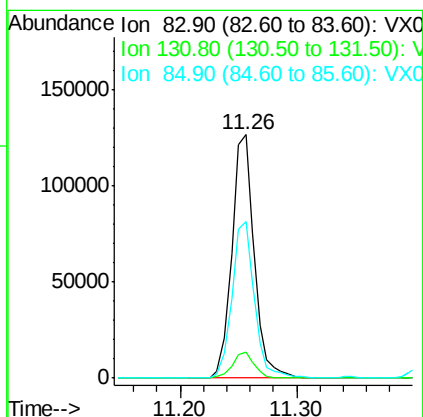
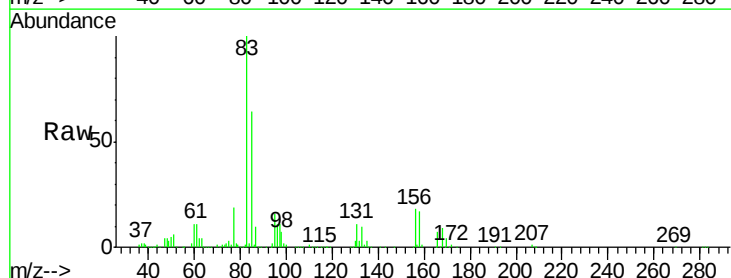
RT: 11.26 min Scan# 1668

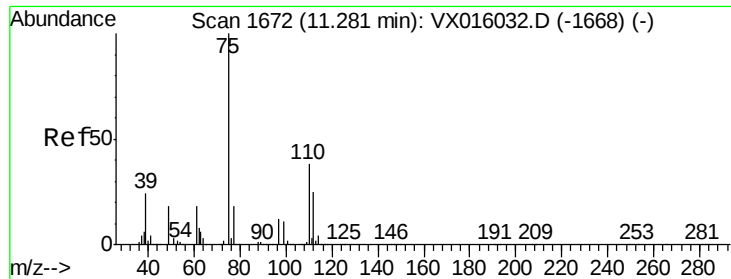
Delta R.T. 0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		169614		
131	10.3	5.1	15.4		
85	64.4	32.0	96.0		





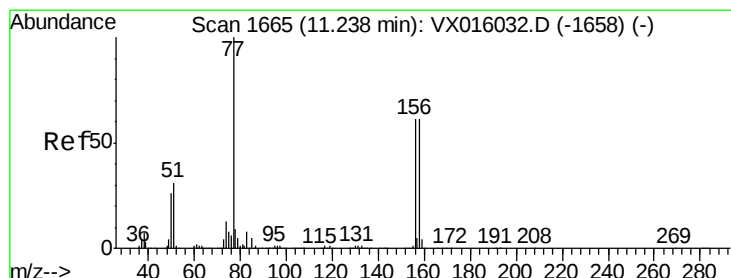
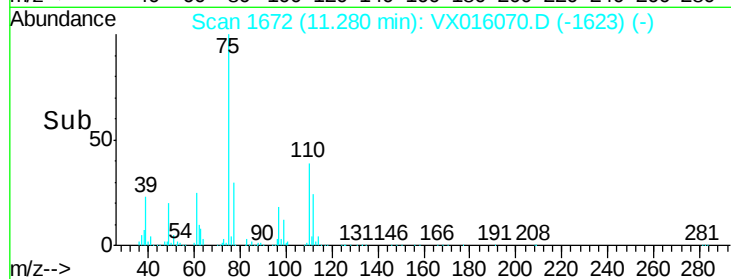
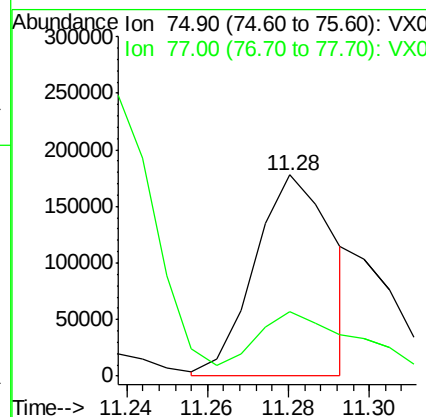
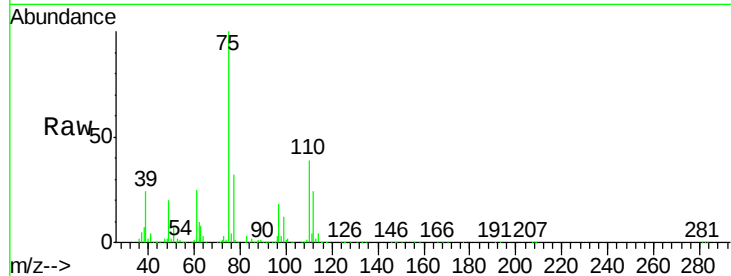
#76
 1,2,3-Trichloropropane
 Concen: 46.774 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion: 75 Resp: 238926
 Ion Ratio Lower Upper
 75 100
 77 42.2 21.2 63.6

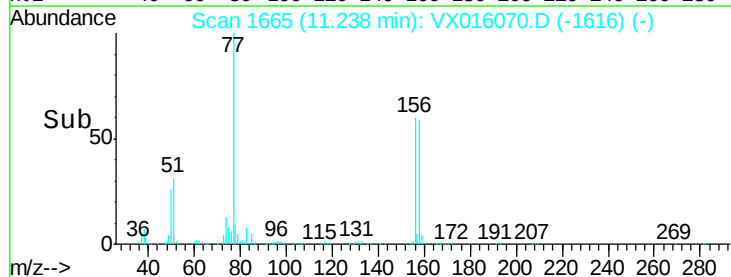
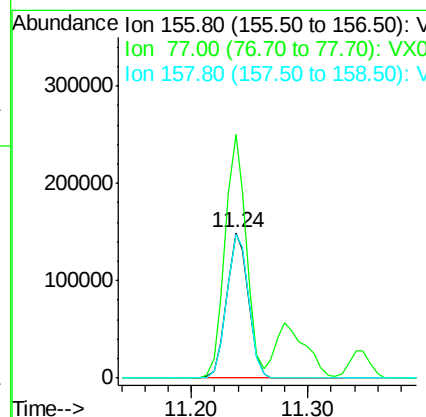
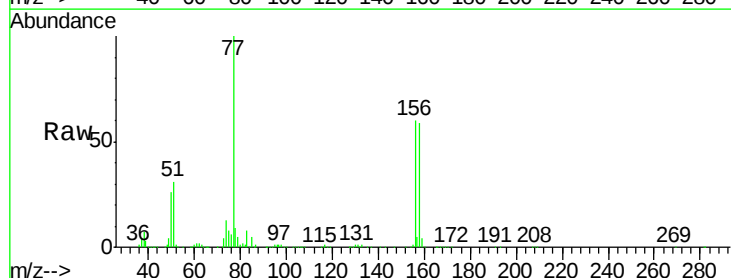
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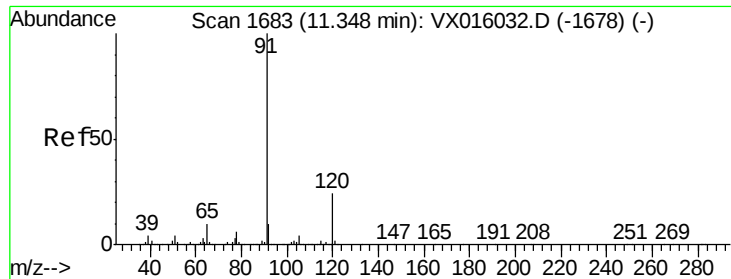
MMDadoda
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#77
 Bromobenzene
 Concen: 45.164 ug/l
 RT: 11.24 min Scan# 1665
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Tgt Ion: 156 Resp: 190865
 Ion Ratio Lower Upper
 156 100
 77 164.4 80.1 240.3
 158 100.1 49.4 148.2





#78

n-propylbenzene

Concen: 46.582 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 91 Resp: 887252

Ion Ratio Lower Upper

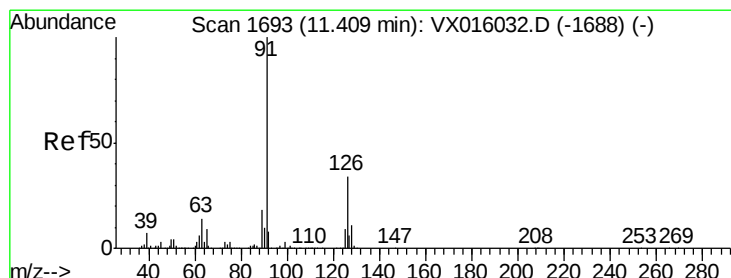
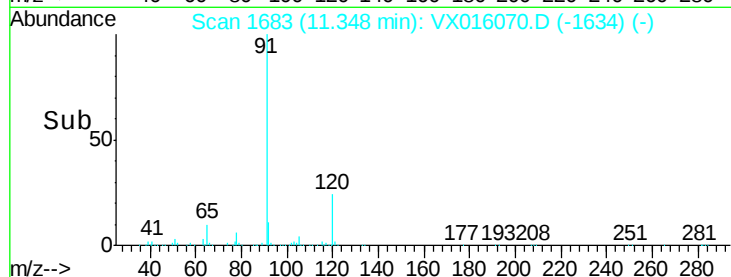
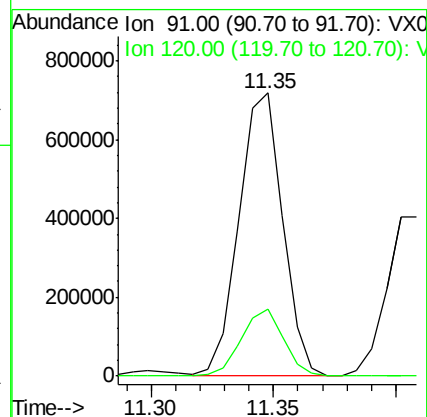
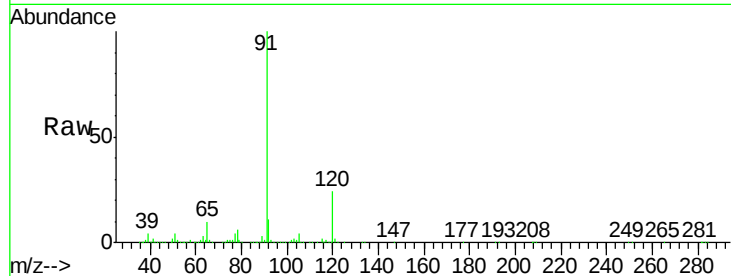
91 100

120 22.9 11.5 34.5

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#79

2-Chlorotoluene

Concen: 46.395 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX016070.D

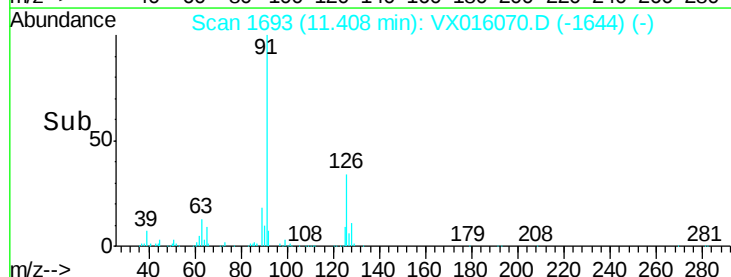
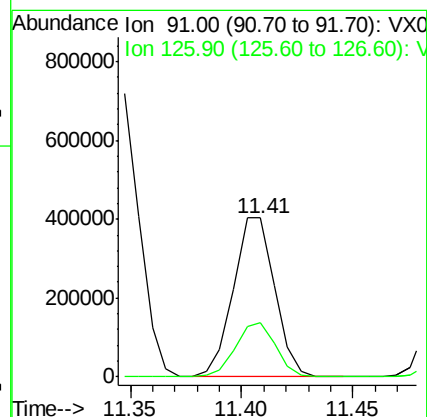
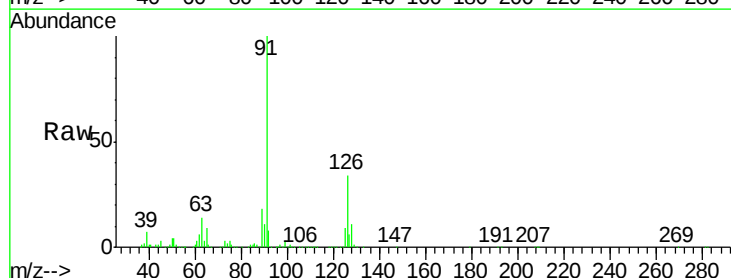
Acq: 05 May 2020 17:36

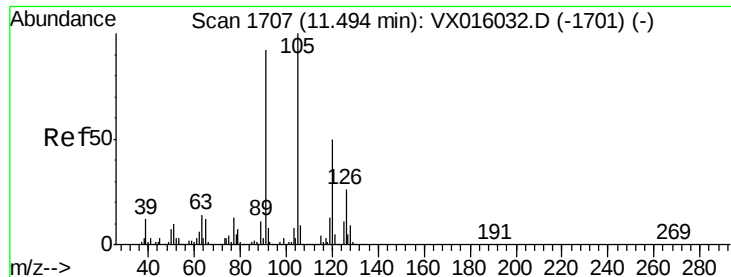
Tgt Ion: 91 Resp: 521611

Ion Ratio Lower Upper

91 100

126 33.3 16.9 50.6





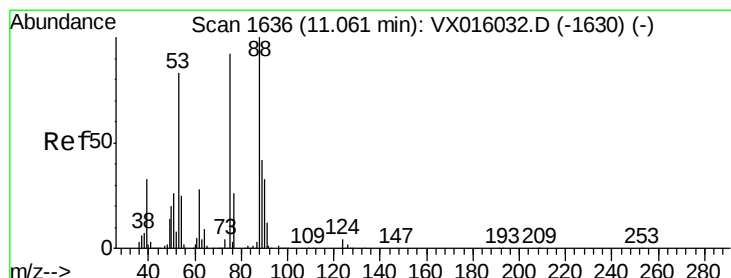
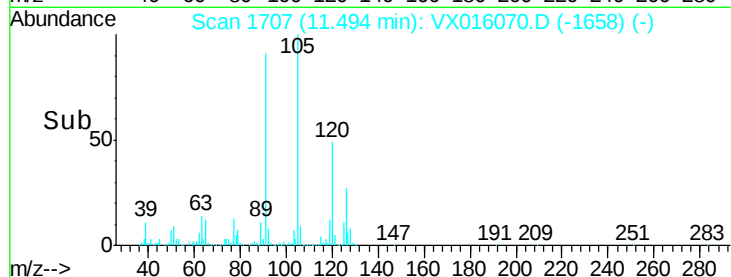
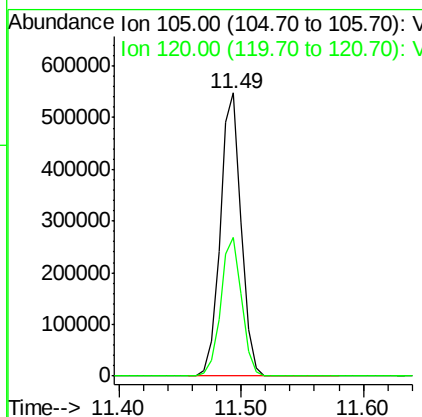
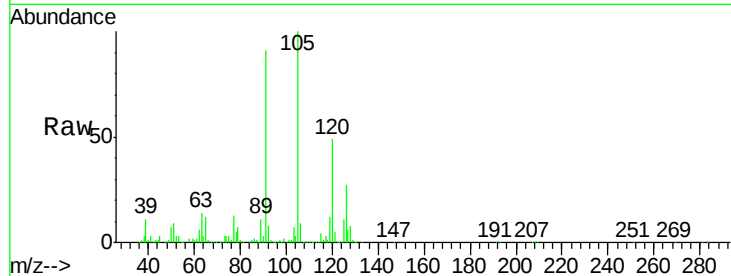
#80
 1,3,5-Trimethylbenzene
 Concen: 46.801 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.6	74.0

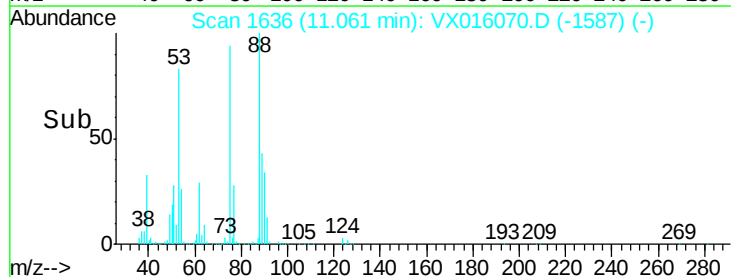
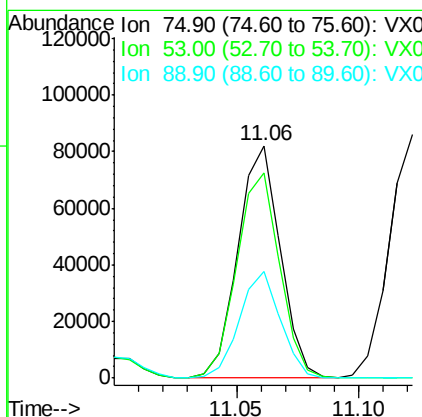
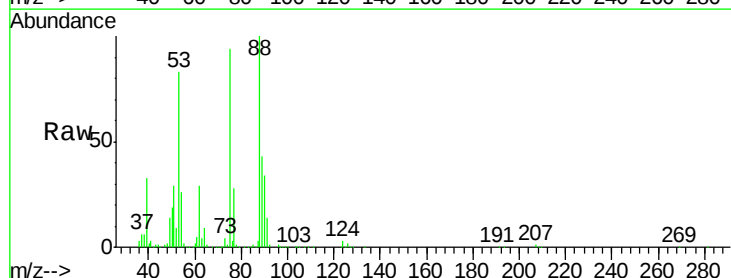
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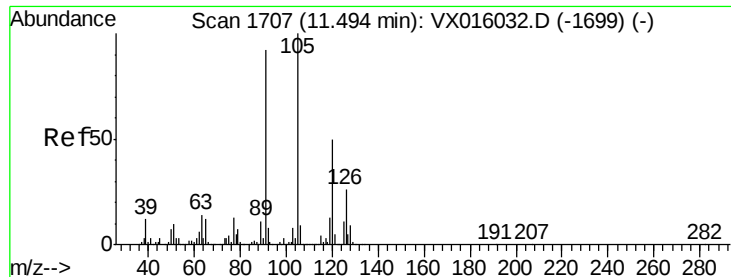
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.845 ug/l
 RT: 11.06 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.0	73.1	109.7
89	44.9	36.7	55.1





#82

4-Chlorotoluene

Concen: 46.342 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion: 91 Resp: 615256

Ion Ratio Lower Upper

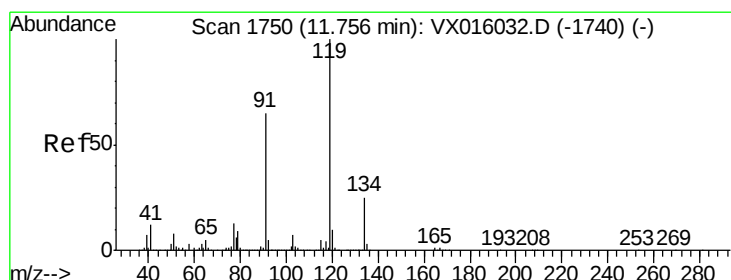
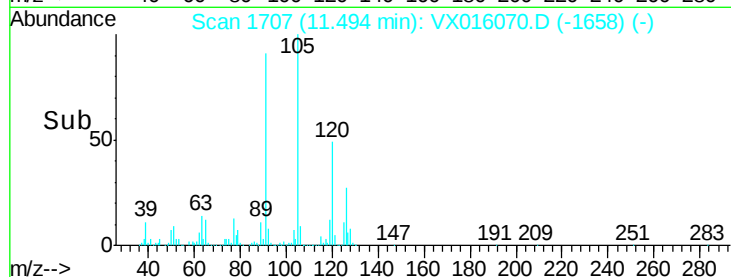
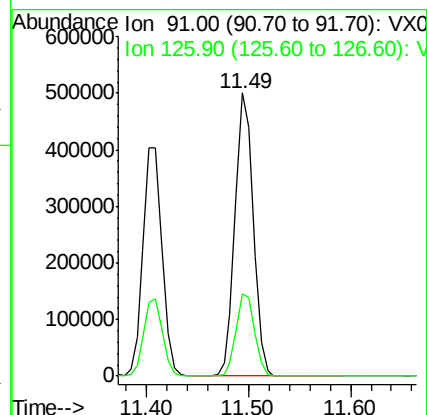
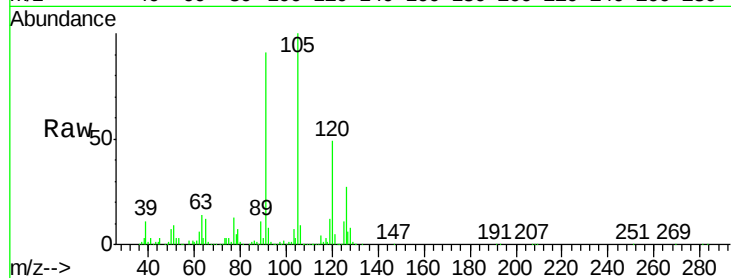
91 100

126 29.6 14.8 44.3

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#83

tert-Butylbenzene

Concen: 46.792 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

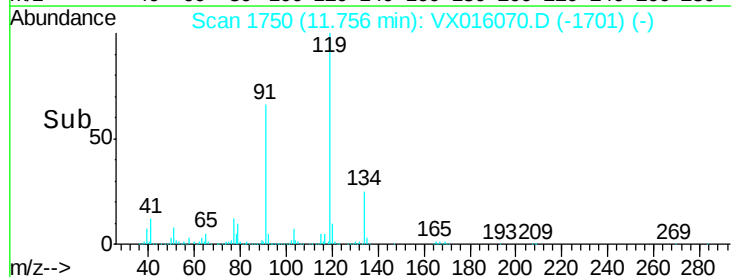
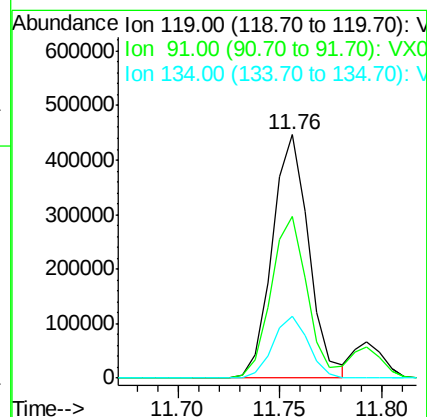
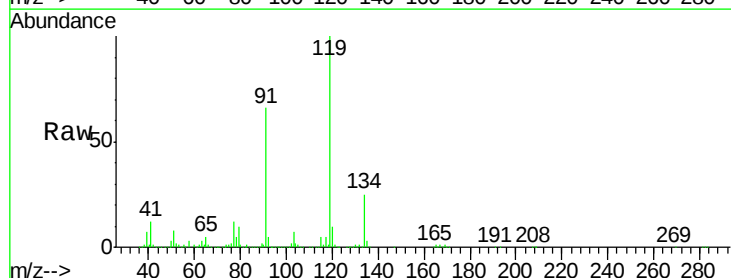
Tgt Ion: 119 Resp: 557444

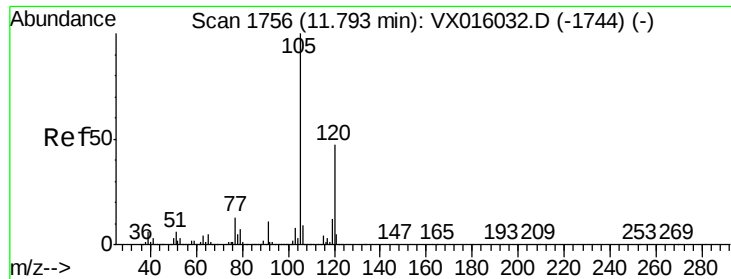
Ion Ratio Lower Upper

119 100

91 65.0 32.8 98.4

134 24.7 12.4 37.0





#84

1,2,4-Trimethylbenzene

Concen: 46.789 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:105 Resp: 653914

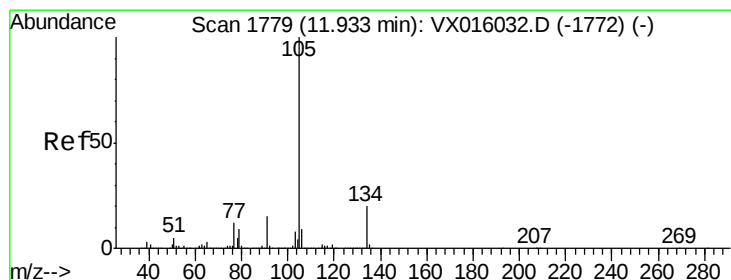
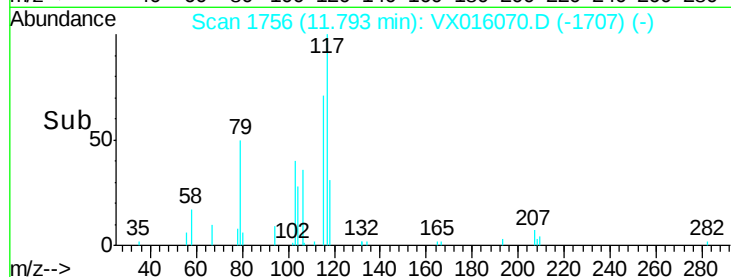
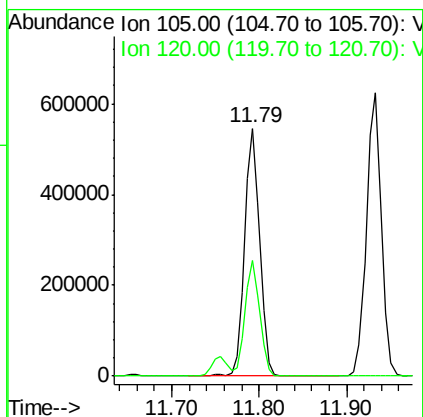
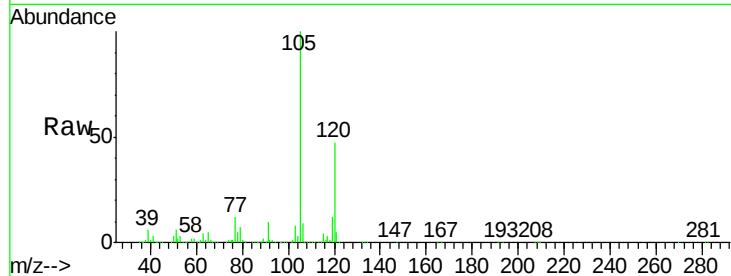
Ion Ratio Lower Upper

105 100

120 45.8 23.0 69.0

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#85

sec-Butylbenzene

Concen: 46.498 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016070.D

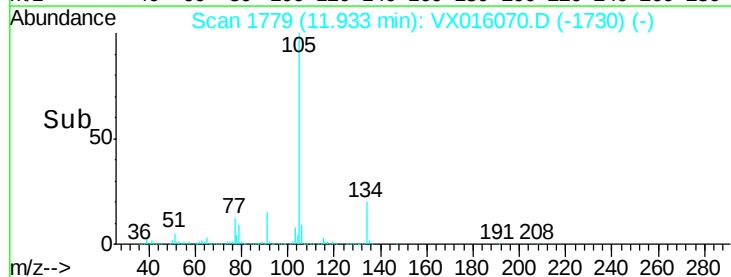
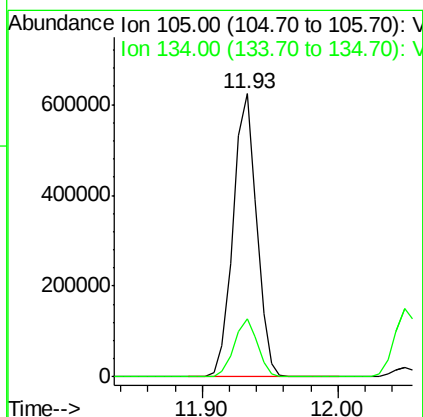
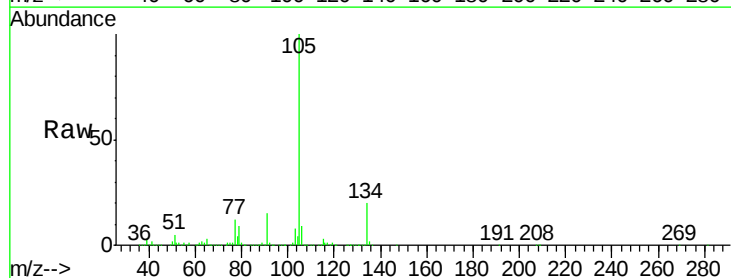
Acq: 05 May 2020 17:36

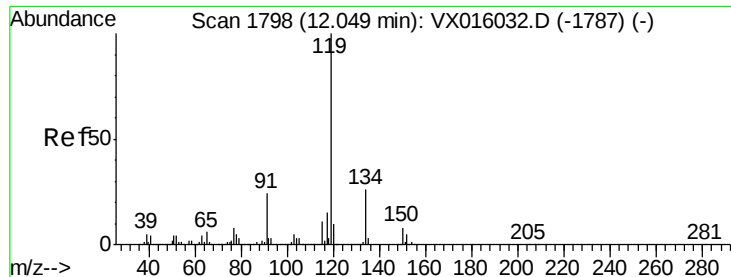
Tgt Ion:105 Resp: 747937

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.3





#86

p-Isopropyltoluene

Concen: 46.196 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

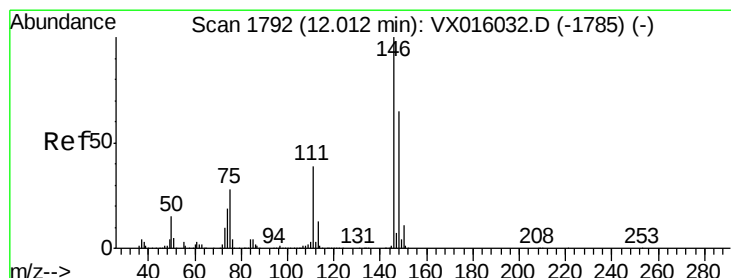
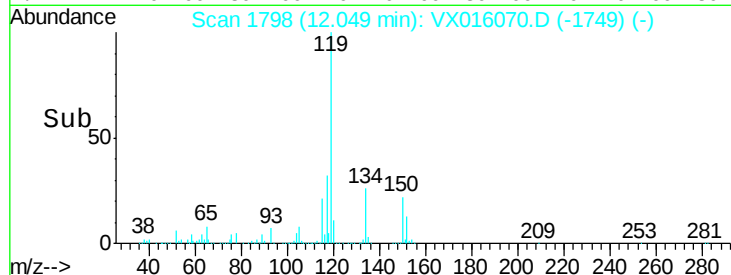
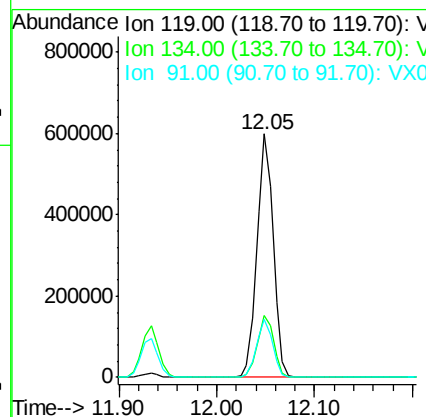
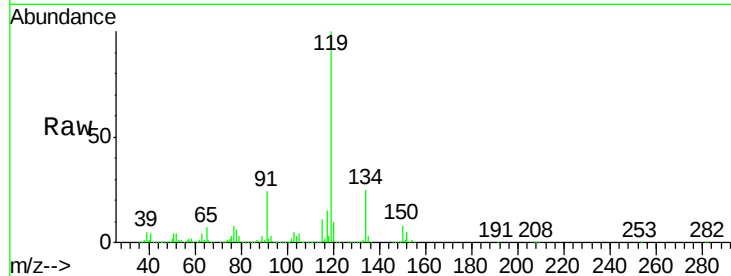
ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:	119	Resp:	689905
Ion Ratio	Lower	Upper	
119	100		
134	25.9	13.1	39.3
91	23.4	11.8	35.4

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#87

1,3-Dichlorobenzene

Concen: 44.954 ug/l

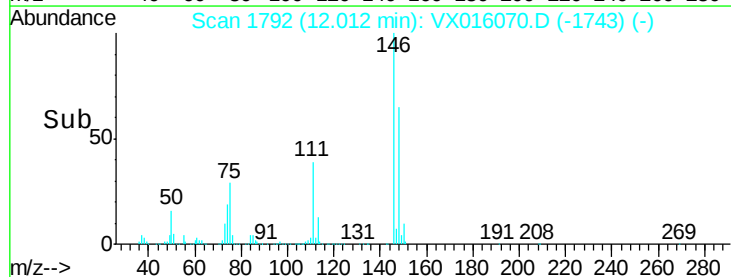
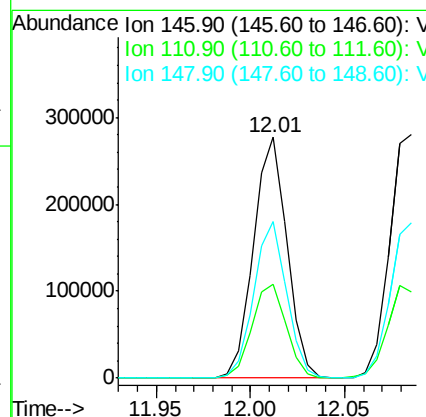
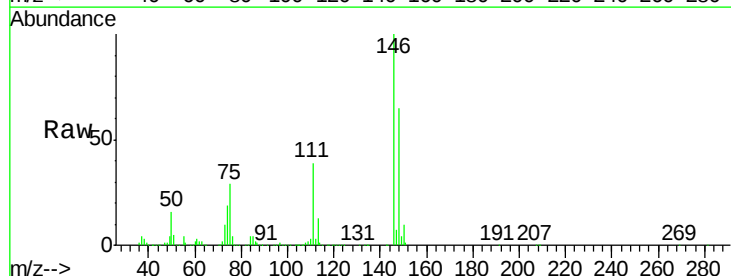
RT: 12.01 min Scan# 1792

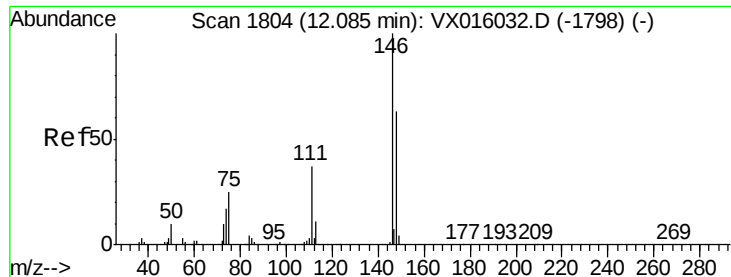
Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Tgt Ion:	146	Resp:	341116
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.2	60.6
148	63.8	32.1	96.3





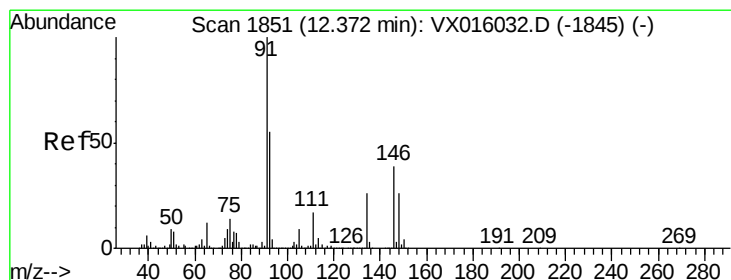
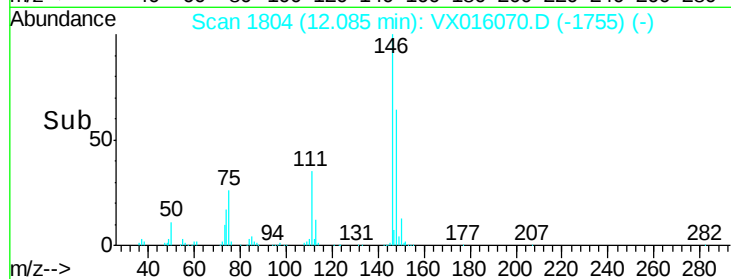
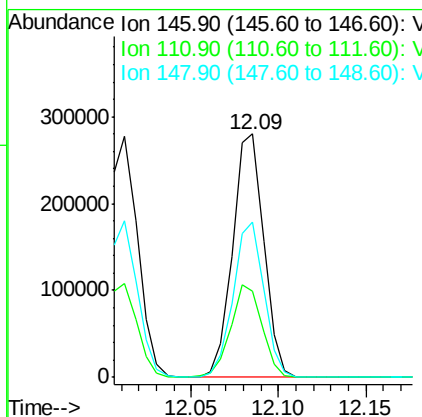
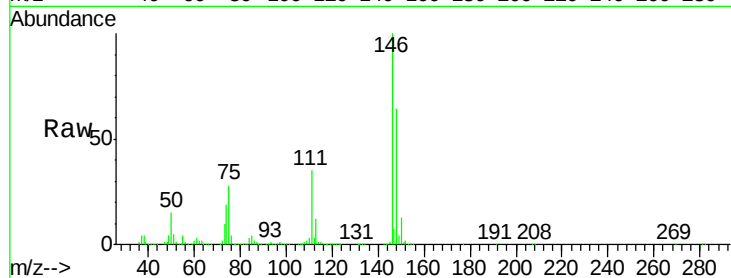
#88
 1,4-Dichlorobenzene
 Concen: 45.101 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion:	146	Resp:	347350
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.6	58.7
148	63.0	31.8	95.3

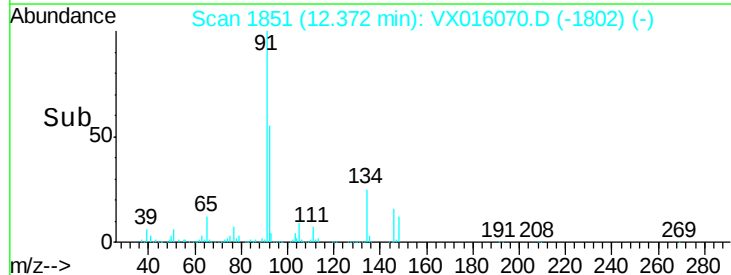
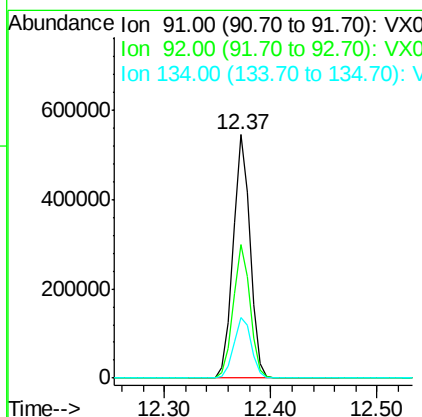
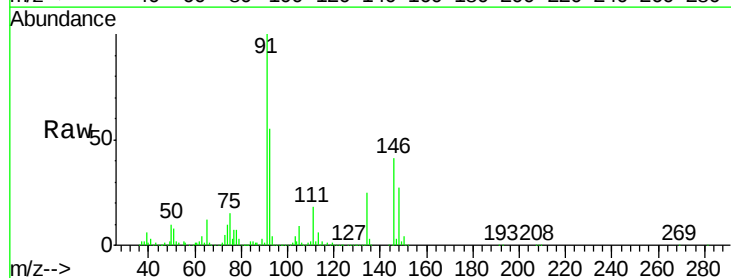
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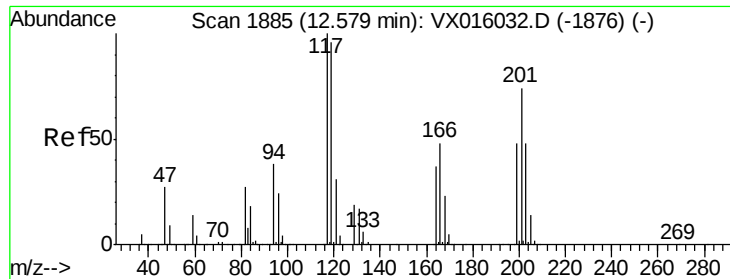
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#89
 n-Butylbenzene
 Concen: 44.708 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Tgt Ion:	91	Resp:	609967
Ion Ratio	Lower	Upper	
91	100		
92	54.4	27.6	82.7
134	26.0	13.4	40.1





#90

Hexachloroethane

Concen: 47.648 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:117 Resp: 122208

Ion Ratio Lower Upper

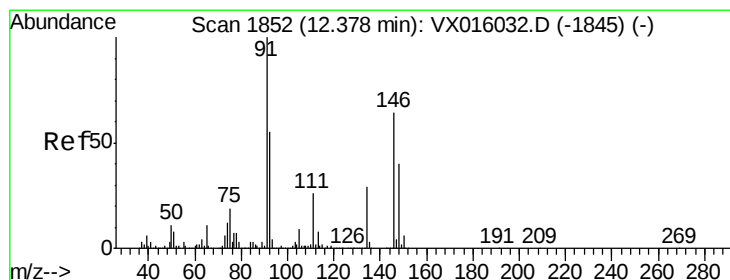
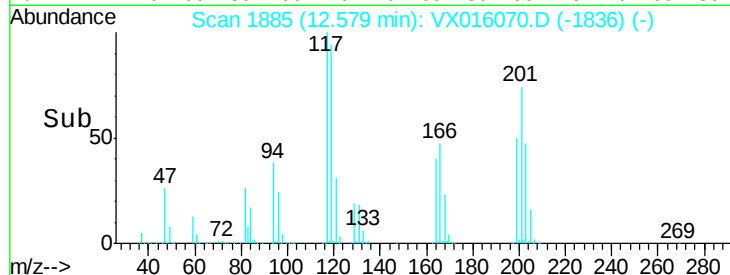
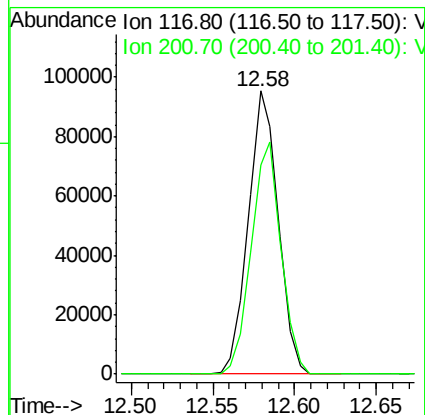
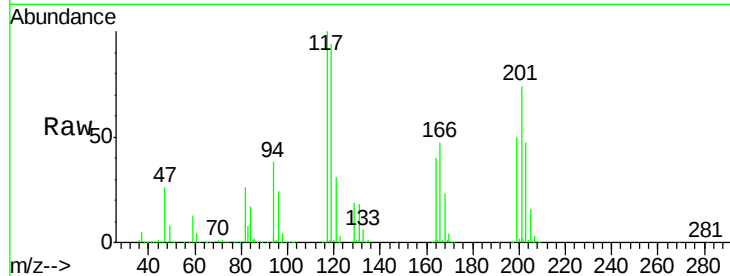
117 100

201 81.4 39.8 119.3

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#91

1,2-Dichlorobenzene

Concen: 45.210 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

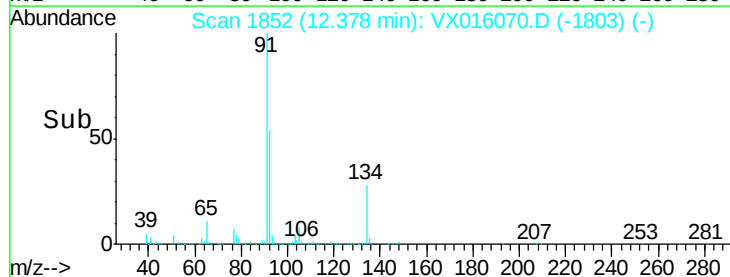
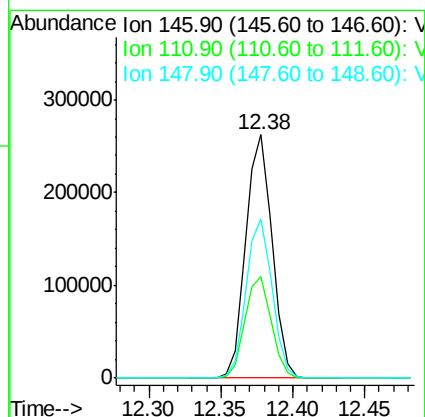
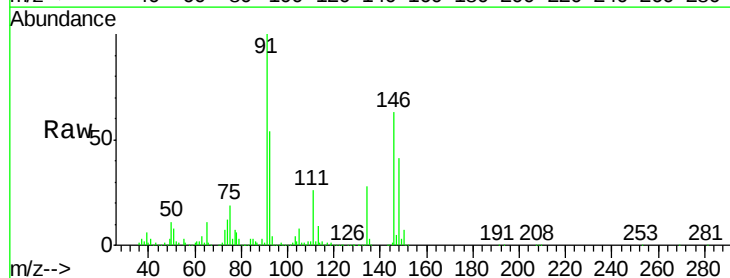
Tgt Ion:146 Resp: 330328

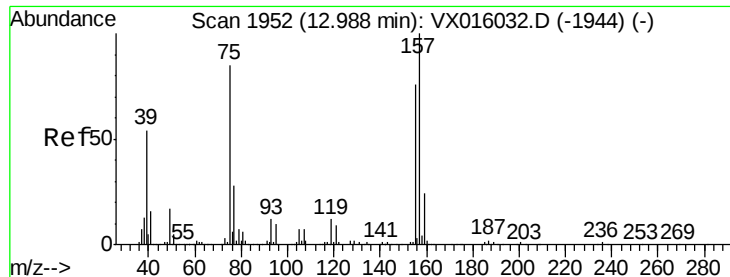
Ion Ratio Lower Upper

146 100

111 41.8 21.1 63.1

148 64.7 32.4 97.0





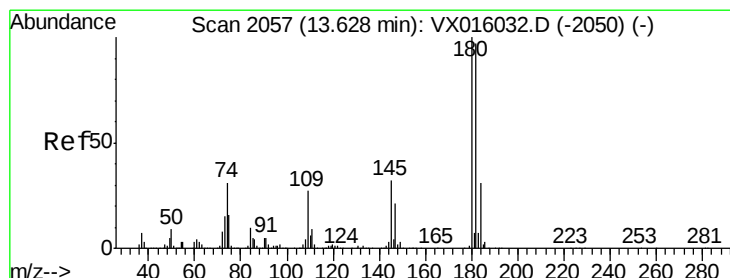
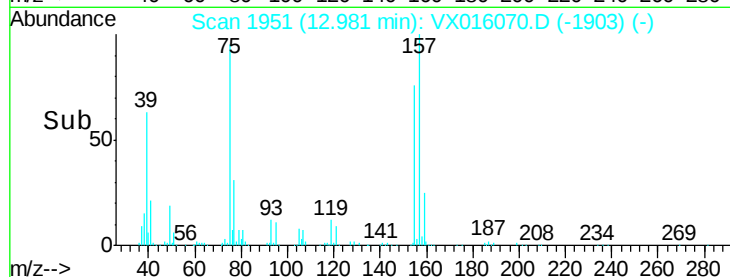
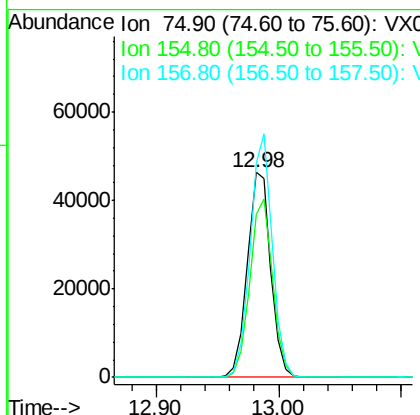
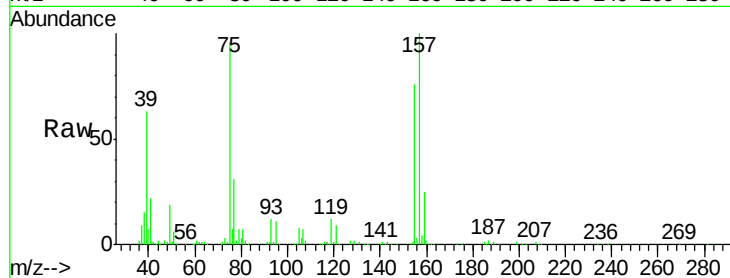
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.840 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.5	127.5
157	112.2	55.3	165.8

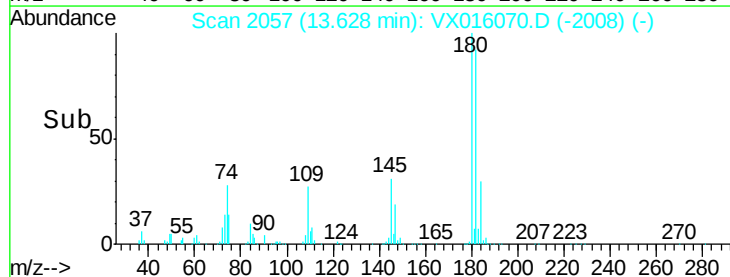
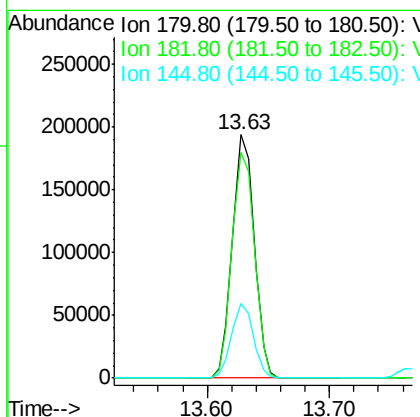
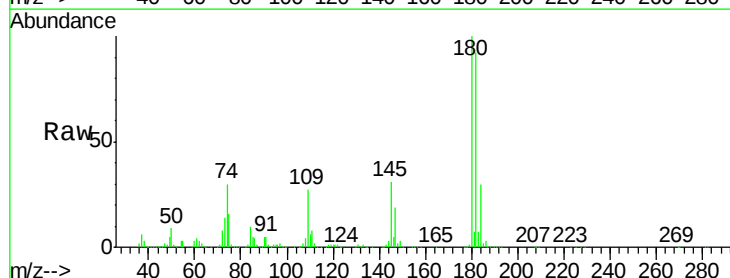
Manual Integrations
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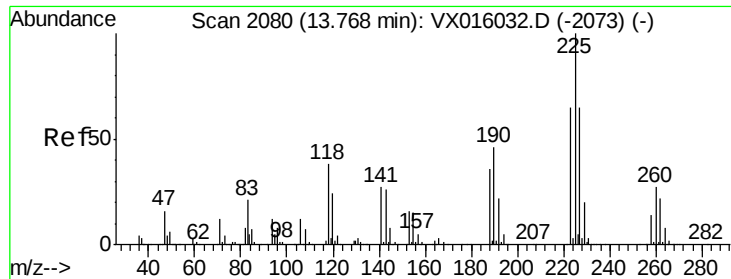
MMDadoda
 5/6/2020 12:26:45 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 44.129 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.7	146.1
145	30.6	15.7	47.1





#94

Hexachlorobutadiene

Concen: 46.278 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Instrument :

MSVOA_X

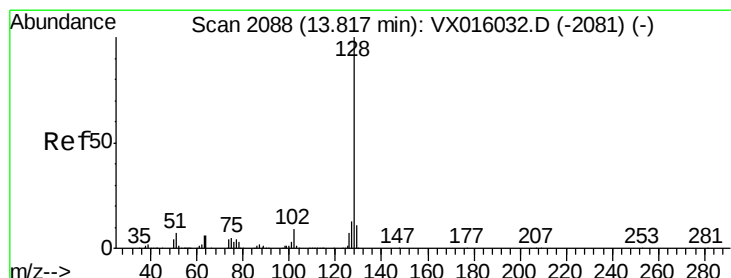
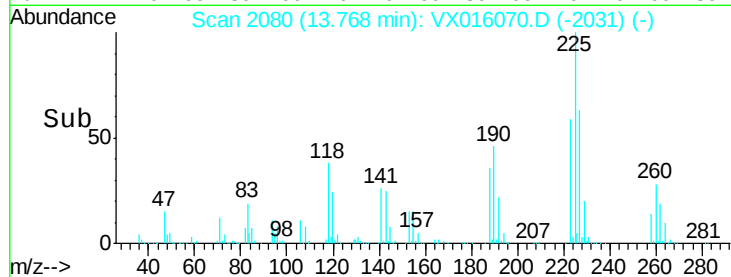
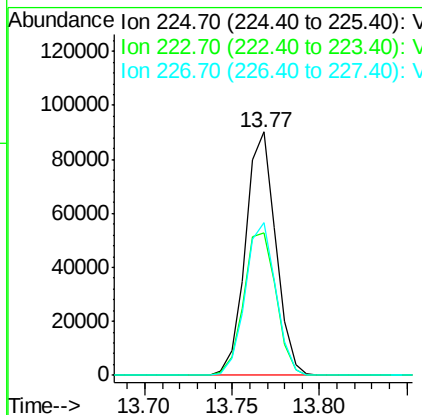
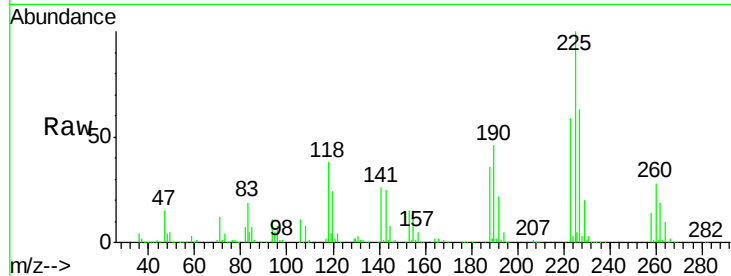
ClientSampleId :

SA-PZ148-20200428MSD

Tot Ion:	225	Resp:	107705
Ion Ratio		Lower	Upper
225	100		
223	63.2	32.3	96.9
227	63.6	31.8	95.4

Manual Integrations
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#95

Naphthalene

Concen: 46.583 ug/l

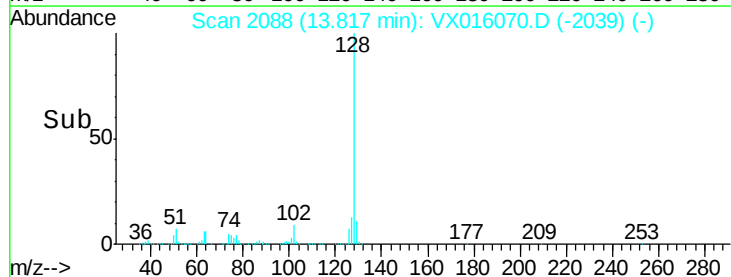
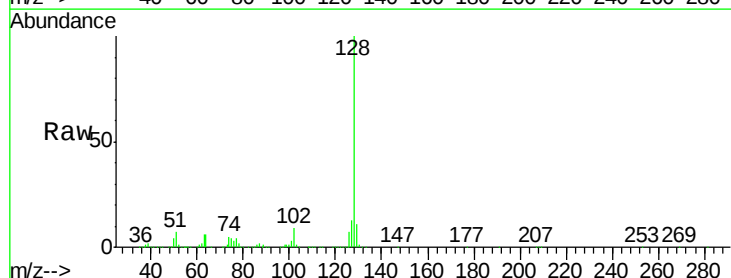
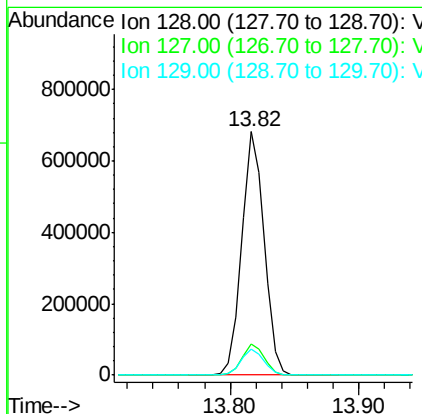
RT: 13.82 min Scan# 2088

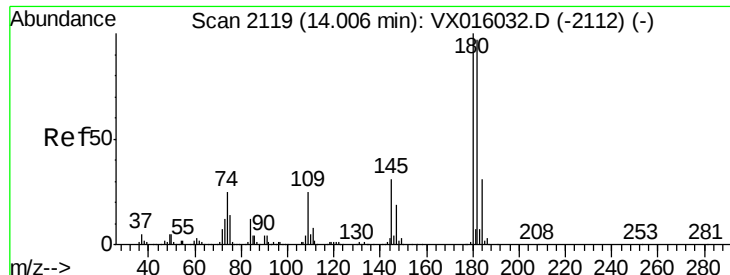
Delta R.T. -0.00 min

Lab File: VX016070.D

Acq: 05 May 2020 17:36

Tgt Ion:	128	Resp:	815946
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 46.117 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016070.D
 Acq: 05 May 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MSD

Tot Ion:	180	Resp:	243807
Ion Ratio		Lower	Upper
180	100		
182	91.9	48.4	145.0
145	31.9	16.4	49.1

Manual Integrations
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MMDadoda
 5/6/2020 12:26:45 PM

