

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050520\
 Data File : VX016069.D
 Acq On : 05 May 2020 17:13
 Operator : JC/SP
 Sample : L2469-23MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:26:41 PM

Quant Time: May 06 09:29:44 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	297693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	485743	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	452351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	184662	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	5.47	113	143641	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
50) Toluene-d8	8.70	98	554212	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
62) 4-Bromofluorobenzene	11.12	95	216093	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	148621	47.166	ug/l	100
3) Chloromethane	1.31	50	168384	46.015	ug/l	100
4) Vinyl Chloride	1.39	62	180661	46.274	ug/l	99
5) Bromomethane	1.62	94	94060	47.788	ug/l	97
6) Chloroethane	1.70	64	116369	48.987	ug/l	99
7) Trichlorofluoromethane	1.91	101	241923	47.199	ug/l	100
8) Diethyl Ether	2.17	74	101168	46.845	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	138532	46.847	ug/l	98
10) Methyl Iodide	2.49	142	159566	40.171	ug/l	99
11) Tert butyl alcohol	3.02	59	232871	235.082	ug/l	100
12) 1,1-Dichloroethene	2.36	96	145349	46.969	ug/l	97
13) Acrolein	2.27	56	116018	187.162	ug/l	99
14) Allyl chloride	2.71	41	266025	46.885	ug/l	99
15) Acrylonitrile	3.12	53	489499	238.200	ug/l	100
16) Acetone	2.42	43	417150	238.661	ug/l	97
17) Carbon Disulfide	2.55	76	441635	47.513	ug/l	99
18) Methyl Acetate	2.75	43	186793	43.464	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	518223	48.578	ug/l	99
20) Methylene Chloride	2.84	84	166059	46.086	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	156897	45.497	ug/l	99
22) Diisopropyl ether	3.82	45	515877	48.193	ug/l	96
23) Vinyl Acetate	3.79	43	2109123	223.957	ug/l	100
24) 1,1-Dichloroethane	3.67	63	289742	48.387	ug/l	100
25) 2-Butanone	4.64	43	684285	242.952	ug/l	99
26) 2,2-Dichloropropane	4.55	77	228971	41.871	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	181272	48.082	ug/l	97
28) Bromochloromethane	4.98	49	133732	48.978	ug/l	100
29) Tetrahydrofuran	5.09	42	451612	241.990	ug/l	100
30) Chloroform	5.18	83	287372	48.200	ug/l	99
31) Cyclohexane	5.55	56	261266	48.009	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	260739	48.112	ug/l	99
36) 1,1-Dichloropropene	5.77	75	219918	45.994	ug/l	99
37) Ethyl Acetate	4.79	43	242967	43.842	ug/l	99
38) Carbon Tetrachloride	5.76	117	229933	47.311	ug/l	98

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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	260834	45.298	ug/l	99
40) Benzene	6.12	78	654938	46.814	ug/l	100
41) Methacrylonitrile	5.01	41	139696	46.676	ug/l	99
42) 1,2-Dichloroethane	6.17	62	235134	46.656	ug/l	99
43) Isopropyl Acetate	6.42	43	399985	45.236	ug/l	100
44) Trichloroethene	7.19	130	217486	43.758	ug/l	99
45) 1,2-Dichloropropane	7.49	63	168981	47.734	ug/l	100
46) Dibromomethane	7.64	93	113726	47.273	ug/l	99
47) Bromodichloromethane	7.88	83	233743	47.707	ug/l	99
48) Methyl methacrylate	7.74	41	199368	47.583	ug/l	99
49) 1,4-Dioxane	7.71	88	91651	912.070	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1307278	241.600	ug/l	100
52) Toluene	8.77	92	413837	47.456	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	266896	45.687	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	277640	45.501	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	163917	47.776	ug/l	100
56) Ethyl methacrylate	9.16	69	270325	48.269	ug/l	99
57) 1,3-Dichloropropane	9.35	76	285548	47.698	ug/l	99
59) 2-Hexanone	9.48	43	1018819	239.760	ug/l	99
60) Dibromochloromethane	9.57	129	184655	48.868	ug/l	99
61) 1,2-Dibromoethane	9.65	107	176586	47.517	ug/l	98
64) Tetrachloroethene	9.32	164	250715	45.148	ug/l	97
65) Chlorobenzene	10.12	112	439527	46.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	165779	47.354	ug/l	100
67) Ethyl Benzene	10.24	91	792141	46.872	ug/l	99
68) m/p-Xylenes	10.34	106	598778	94.567	ug/l	100
69) o-Xylene	10.68	106	290385	47.711	ug/l	99
70) Styrene	10.70	104	492026	47.651	ug/l	100
71) Bromoform	10.84	173	139574	48.935	ug/l #	98
73) Isopropylbenzene	11.01	105	772621	46.235	ug/l	100
74) N-amyl acetate	10.88	43	330342	42.381	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	166048	50.544	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	241112m	46.247	ug/l	
77) Bromobenzene	11.24	156	197975	45.899	ug/l	98
78) n-propylbenzene	11.35	91	888925	45.726	ug/l	100
79) 2-Chlorotoluene	11.41	91	525988	45.837	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	654565	46.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	98046	44.816	ug/l	99
82) 4-Chlorotoluene	11.49	91	619386	45.709	ug/l	100
83) tert-Butylbenzene	11.76	119	563212	46.319	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	662484	46.443	ug/l	99
85) sec-Butylbenzene	11.93	105	753779	45.913	ug/l	100
86) p-Isopropyltoluene	12.05	119	697169	45.738	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	341563	44.103	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	344525	43.829	ug/l	99
89) n-Butylbenzene	12.37	91	615956	44.234	ug/l	100
90) Hexachloroethane	12.58	117	124266	47.470	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	338415	45.380	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	60886	44.311	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	243288	44.065	ug/l	97

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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	106766	44.962	ug/l	97
95) Naphthalene	13.82	128	808556	45.227	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	240797	44.626	ug/l	98

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

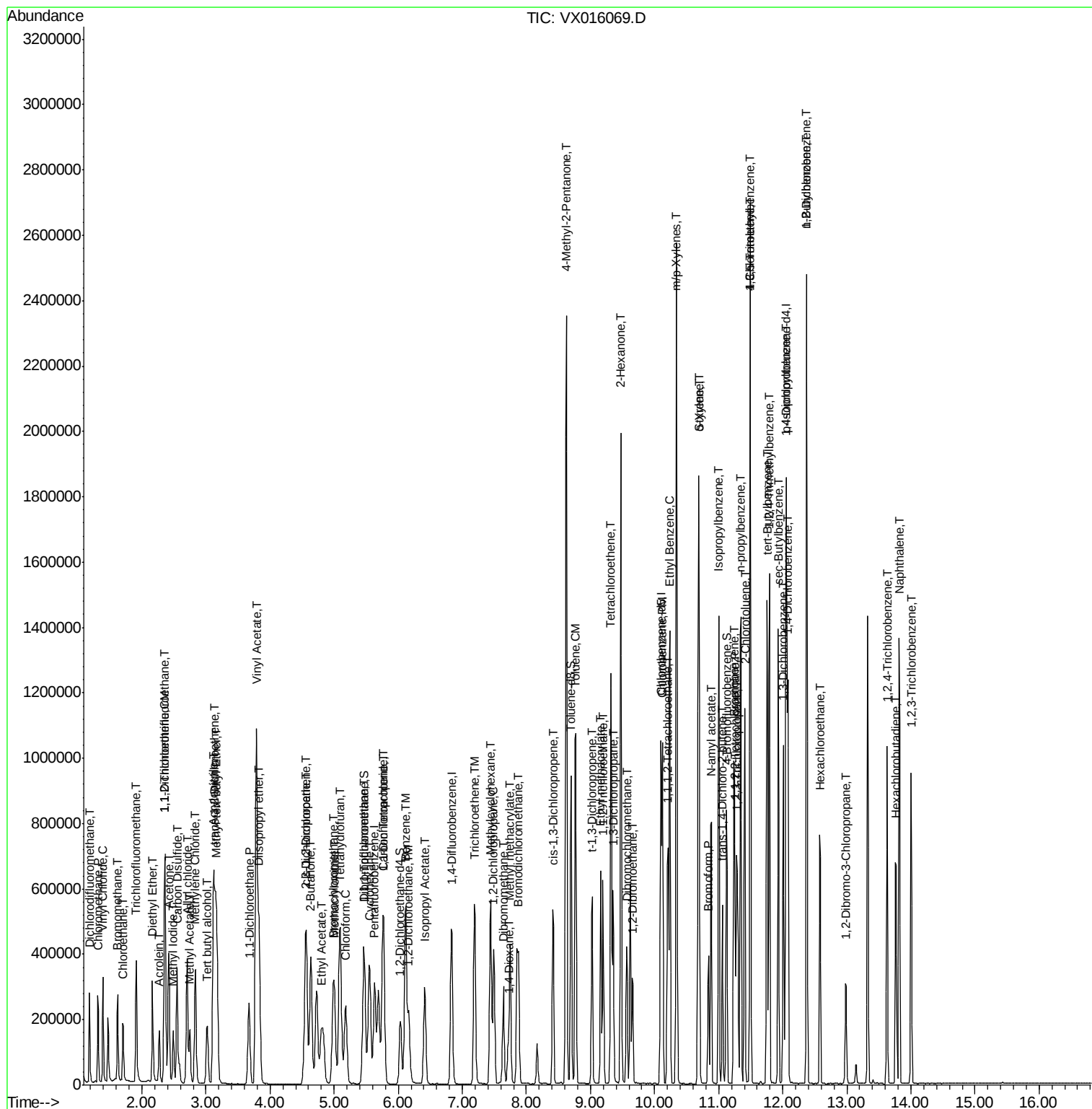
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016069.D
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 Operator : JC/SP
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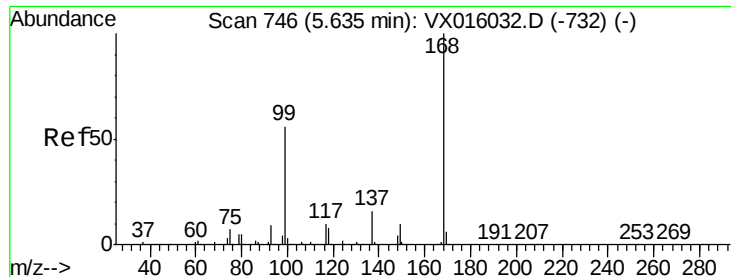
Instrument :
 MSVOA_X
 ClientSampleID :
 SA-PZ148-20200428MS

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#1

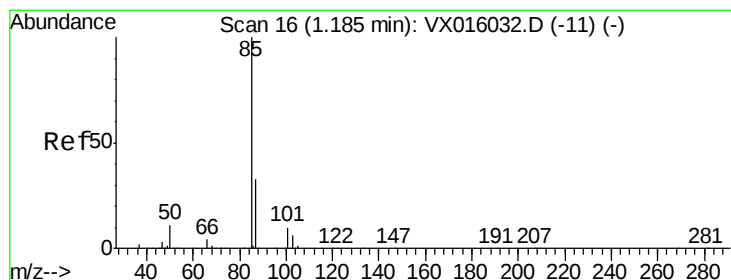
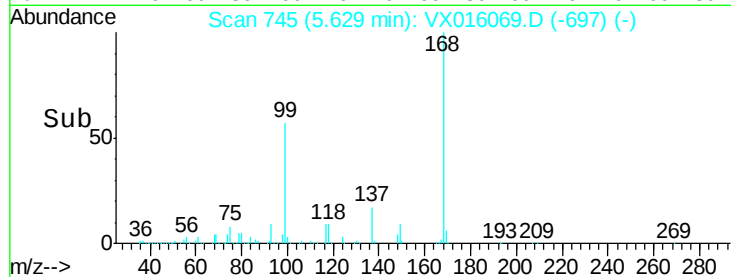
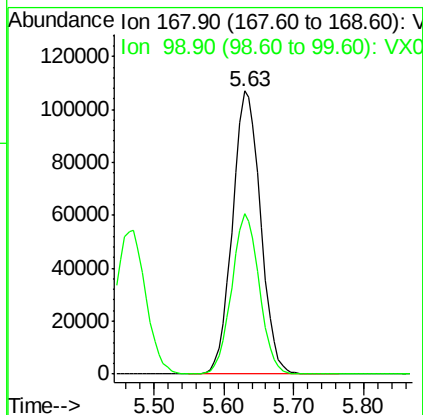
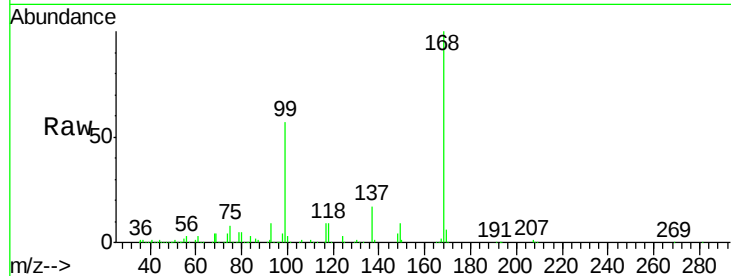
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.5	45.0	67.4

Manual Integrations
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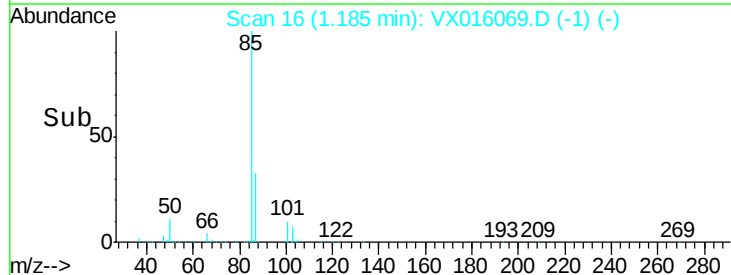
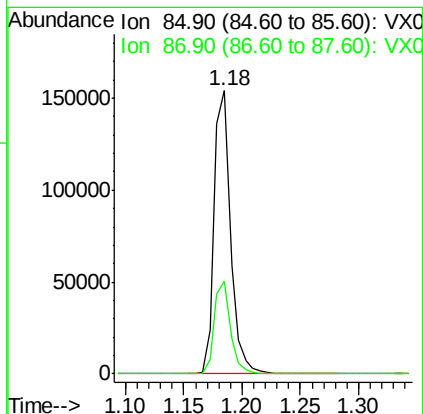
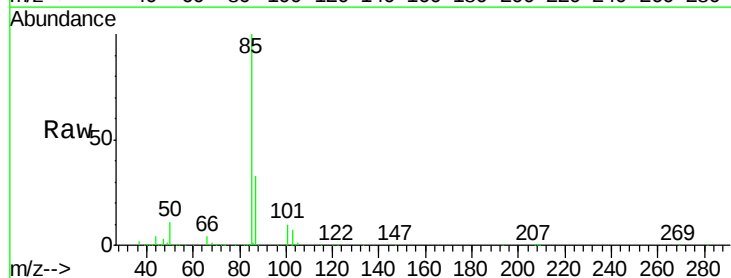
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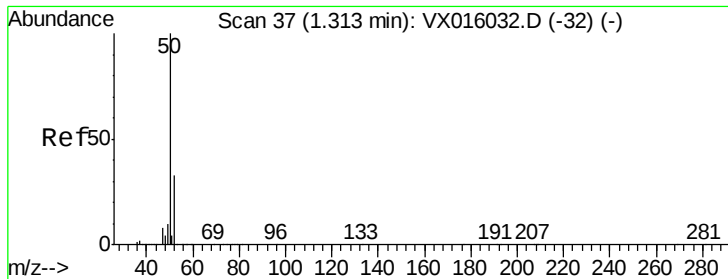


#2

Dichlorodifluoromethane
 Concen: 47.166 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.1





#3

Chloromethane

Concen: 46.015 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 50 Resp: 168384

Ion Ratio Lower Upper

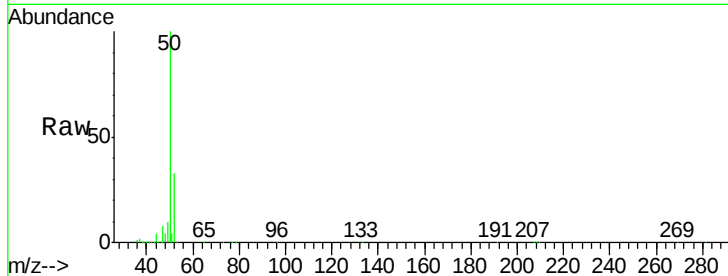
50 100

52 32.8 26.1 39.1

Manual Integrations
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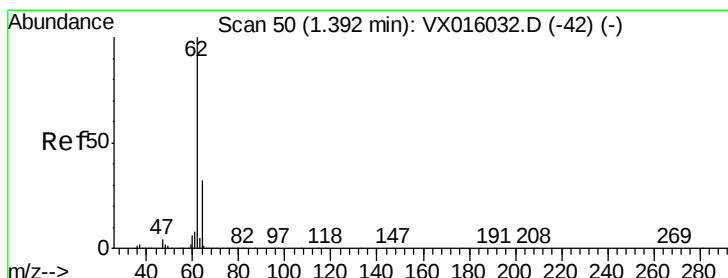
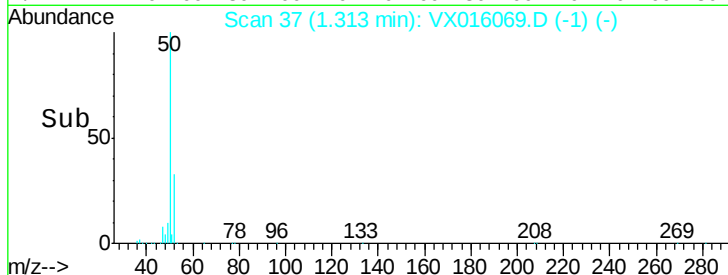
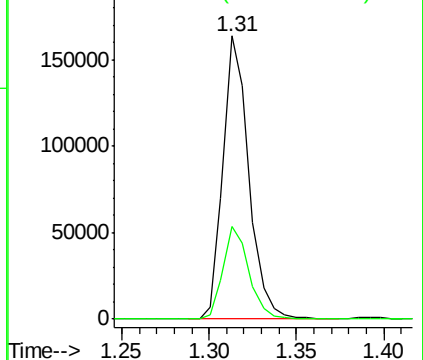
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.274 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016069.D

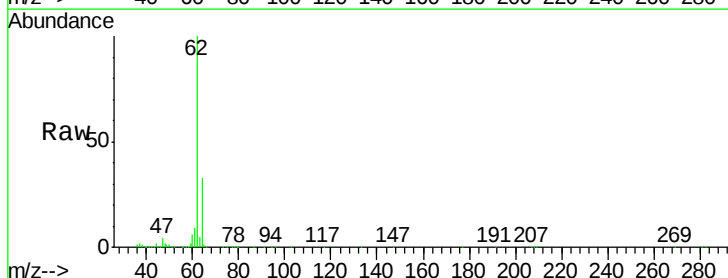
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Tgt Ion: 62 Resp: 180661

Ion Ratio Lower Upper

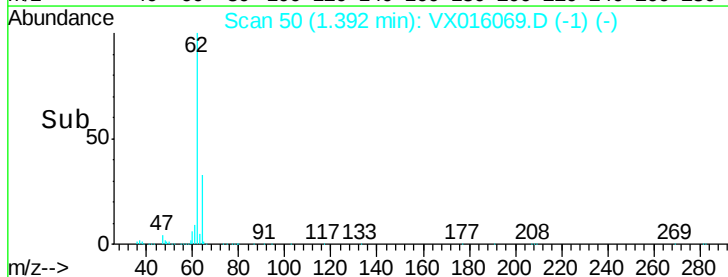
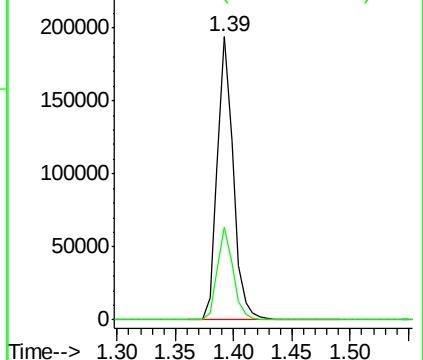
62 100

64 32.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 47.788 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016069.D

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MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 94 Resp: 94060

Ion Ratio Lower Upper

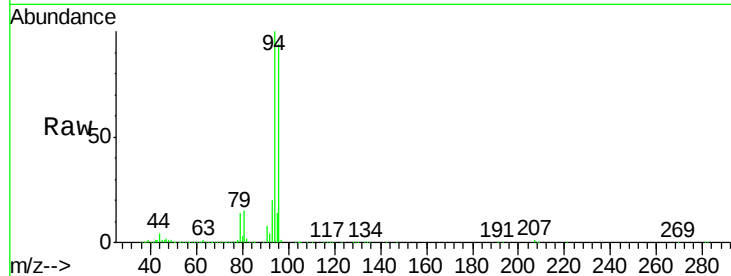
94 100

96 93.5 76.9 115.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

100000

80000

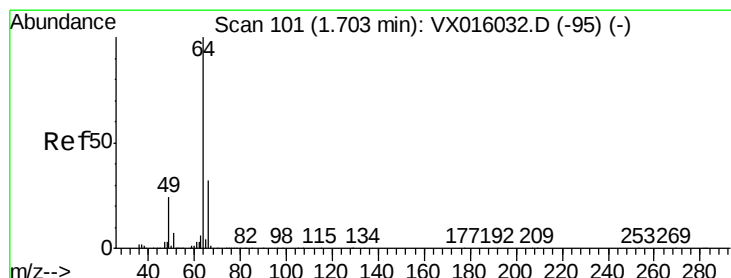
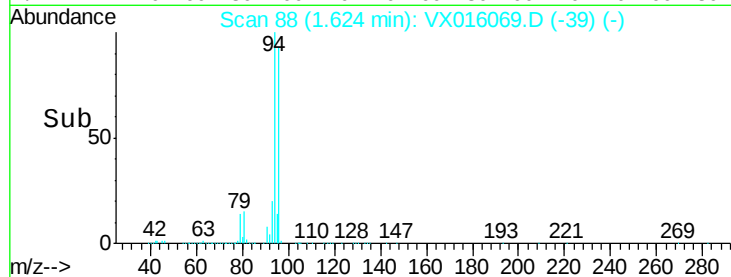
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.987 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016069.D

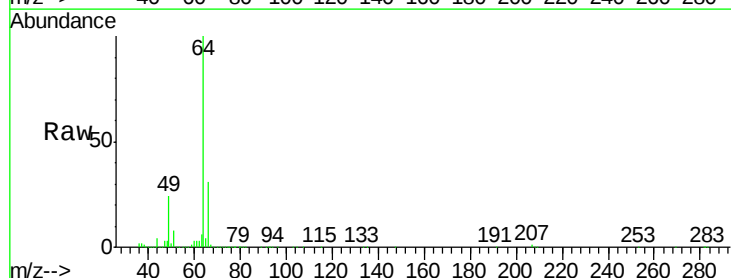
Acq: 05 May 2020 17:13

Tgt Ion: 64 Resp: 116369

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

100000

80000

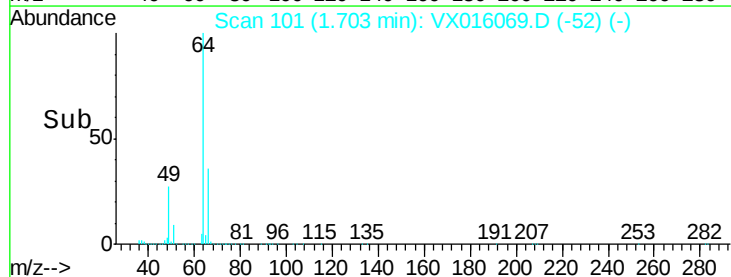
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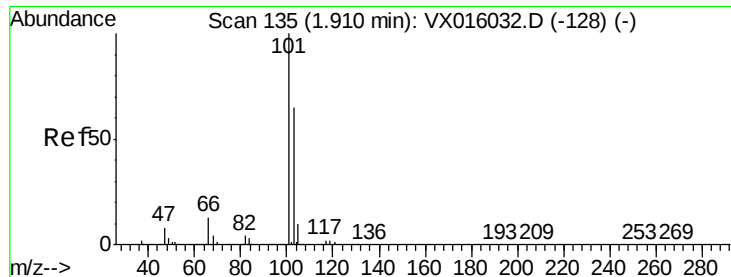
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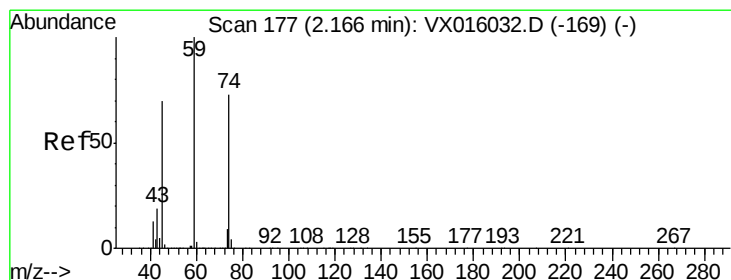
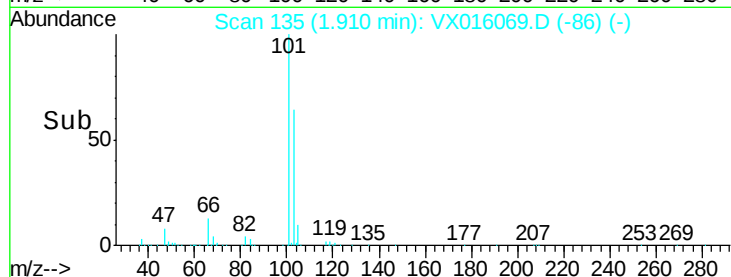
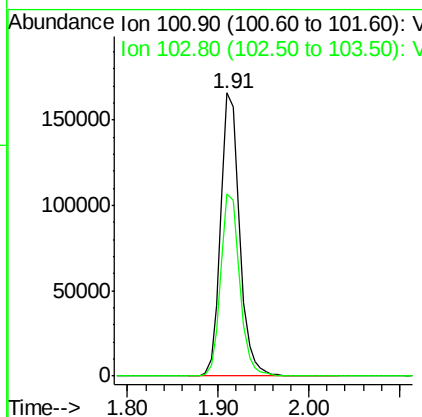
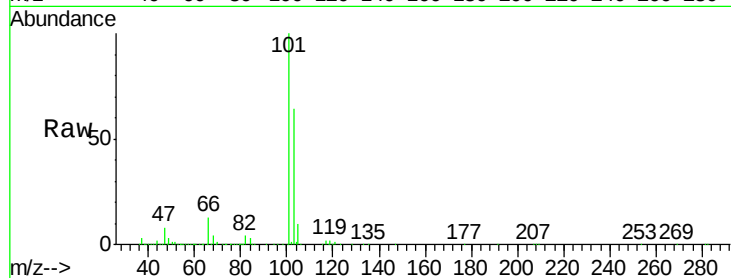
Trichlorofluoromethane
Concen: 47.199 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.6

Manual Integrations
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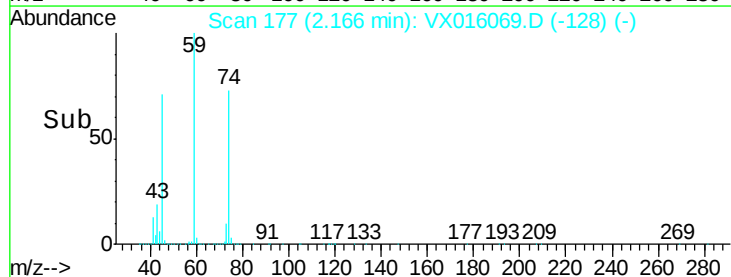
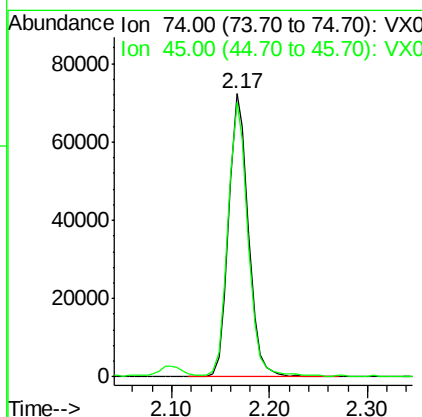
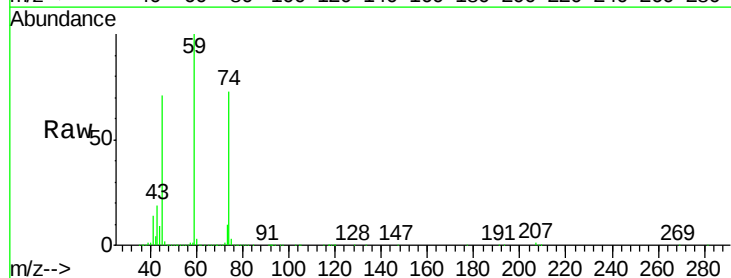
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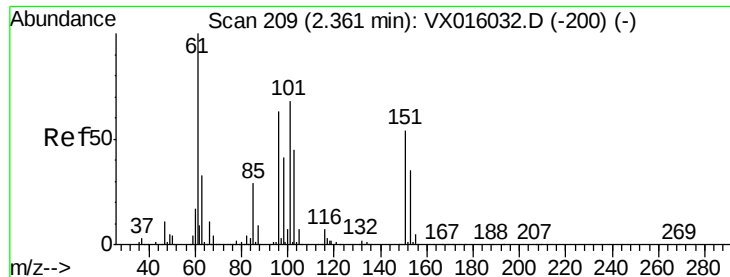


#8

Diethyl Ether
Concen: 46.845 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.847 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

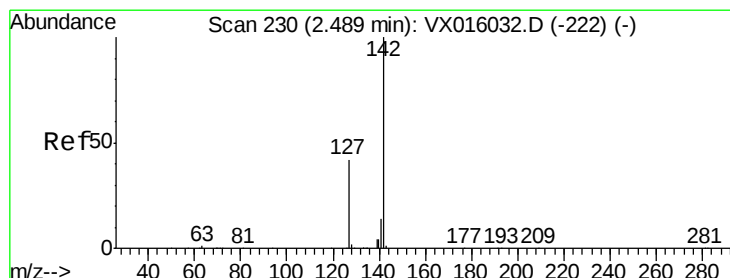
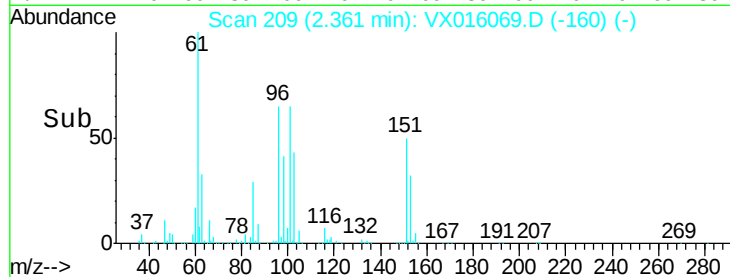
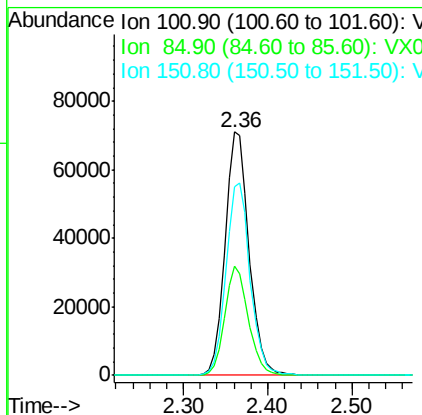
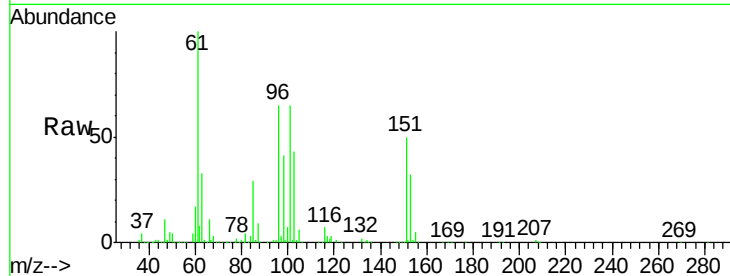
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:	101	Resp:	138532
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.2	51.4
151	79.6	62.1	93.1

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#10

Methyl Iodide

Concen: 40.171 ug/l

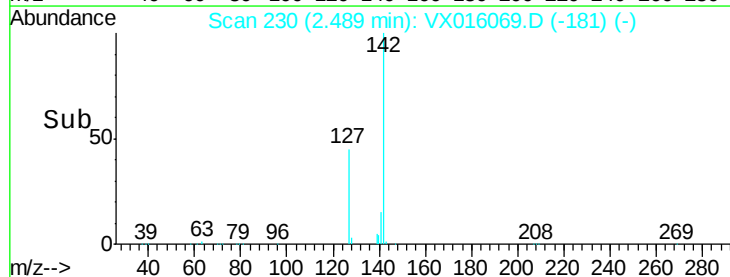
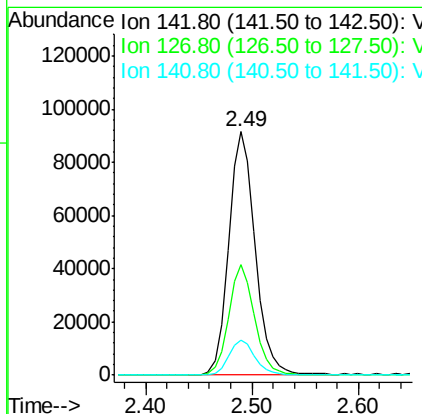
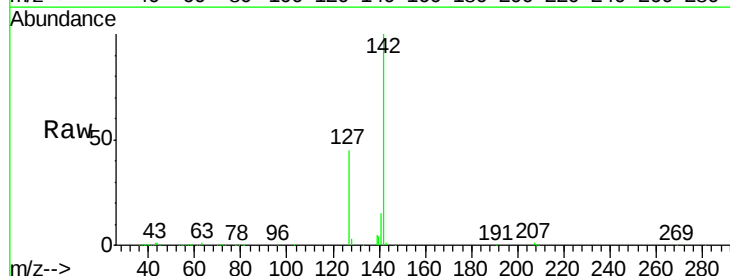
RT: 2.49 min Scan# 230

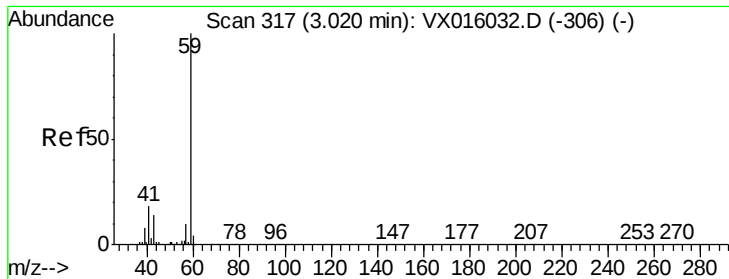
Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion:	142	Resp:	159566
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.6	52.0
141	14.4	11.3	16.9





#11

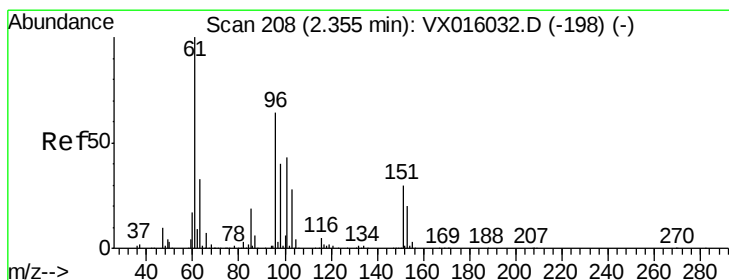
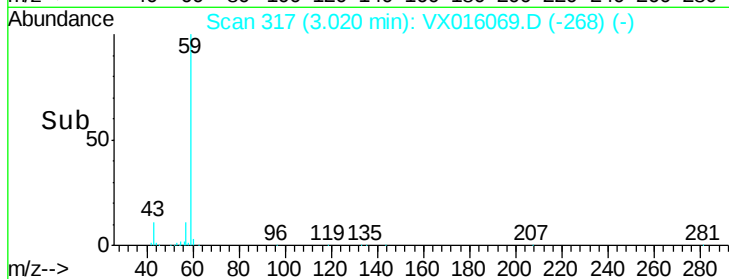
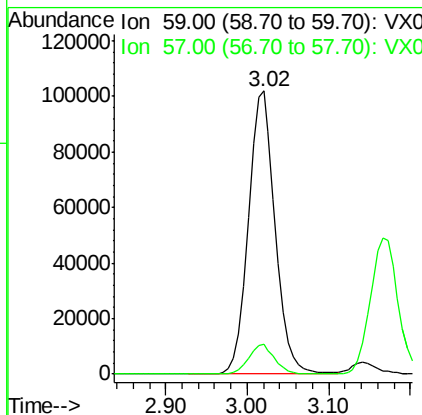
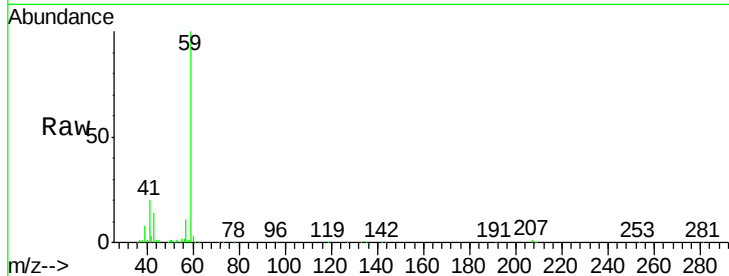
Tert butyl alcohol
Concen: 235.082 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

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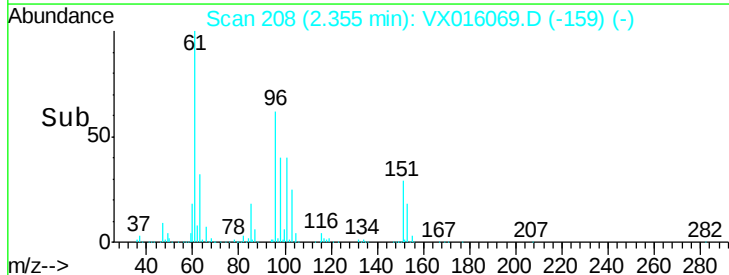
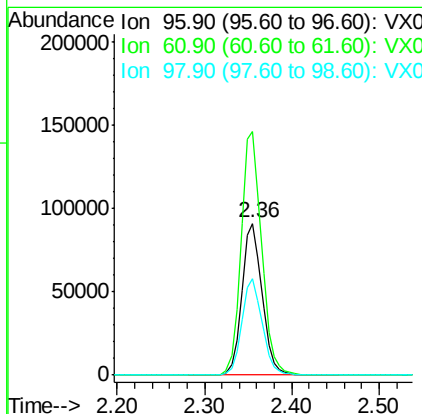
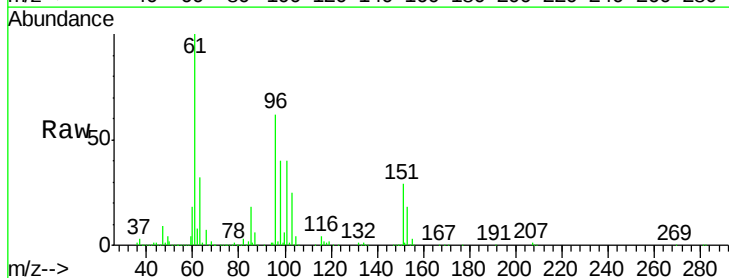
MMDadoda
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#12

1,1-Dichloroethene
Concen: 46.969 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	124.8	187.2
98	64.0	49.7	74.5





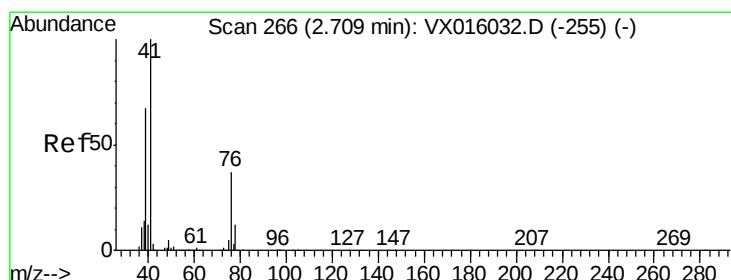
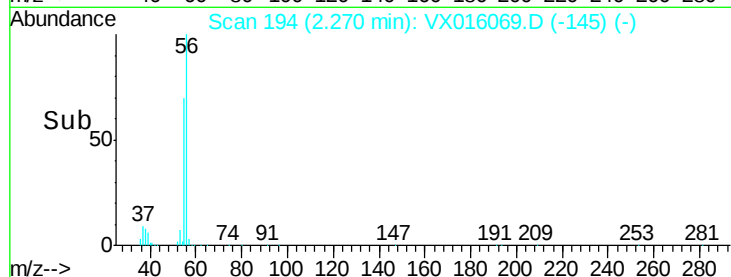
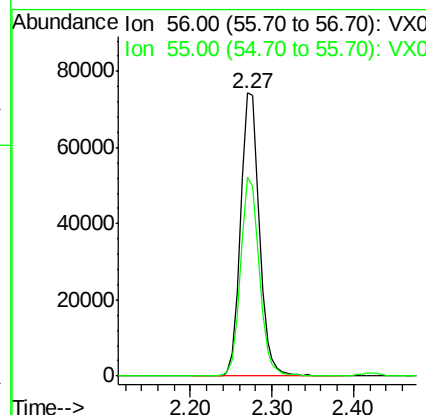
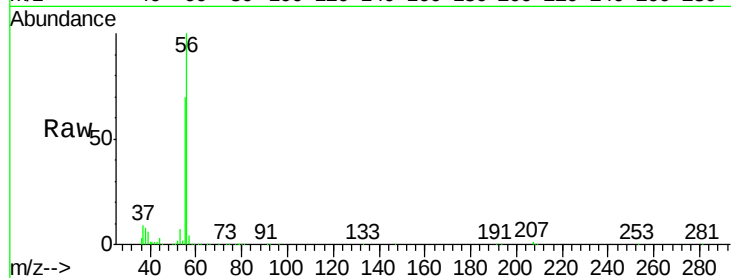
#13
Acrolein
Concen: 187.162 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	56	Resp	116018
Ion Ratio	100	Lower	Upper
55	70.0	56.5	84.7

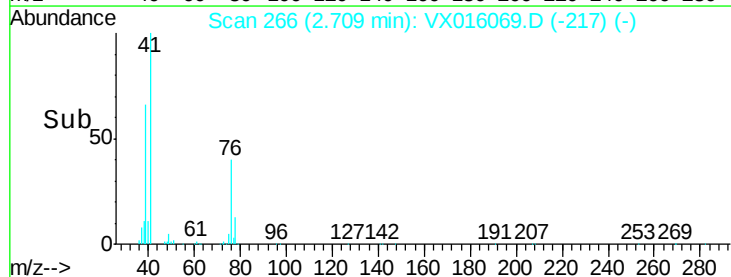
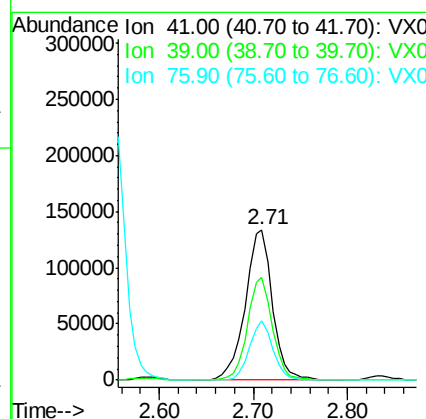
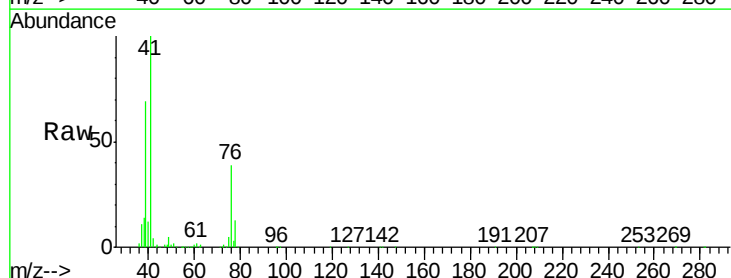
Manual Integrations
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#14
Allyl chloride
Concen: 46.885 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	41	Resp	266025
Ion Ratio	100	Lower	Upper
39	62.7	50.5	75.7
76	34.1	26.6	40.0





#15

Acrylonitrile

Concen: 238.200 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

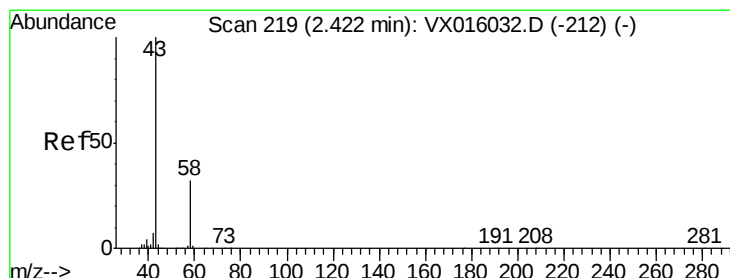
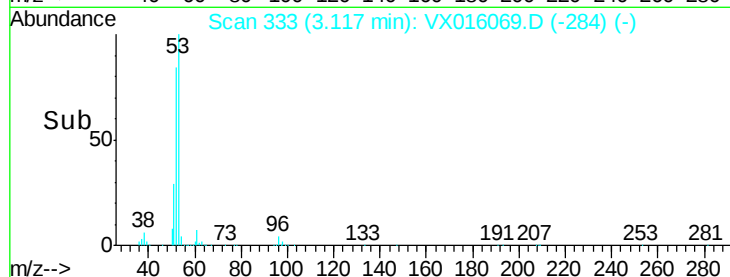
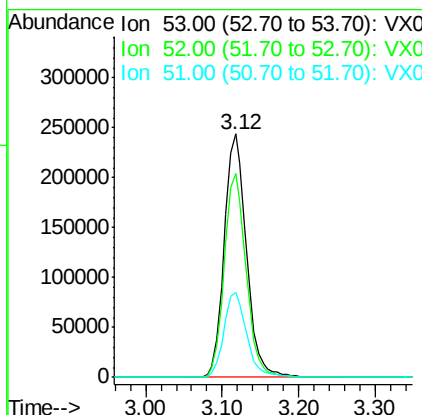
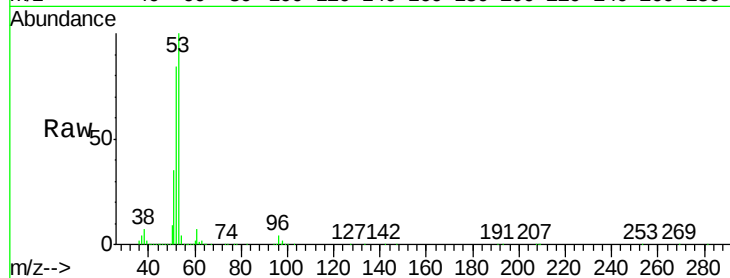
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:	53	Resp:	489499
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	35.6	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 238.661 ug/l

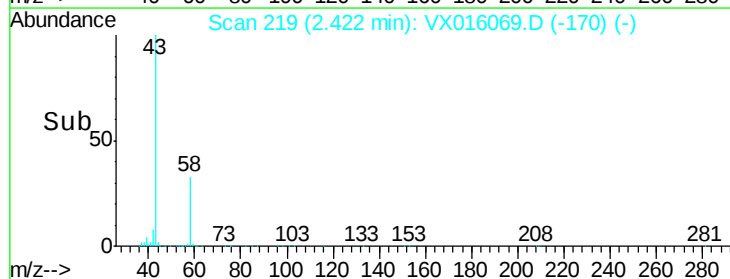
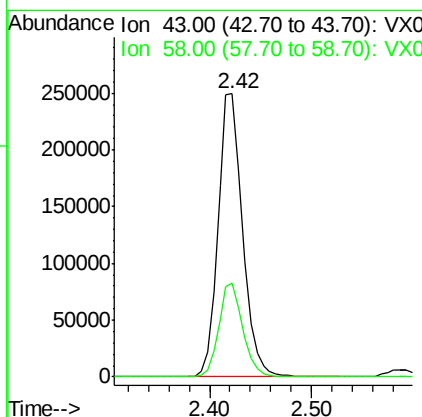
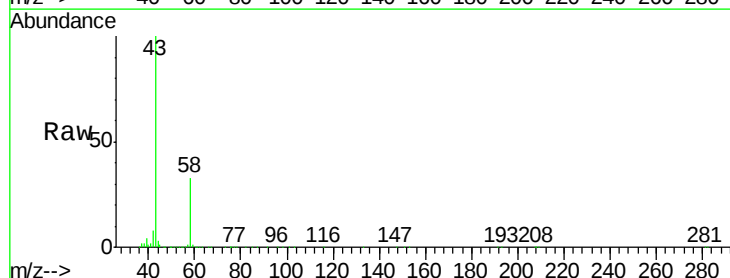
RT: 2.42 min Scan# 219

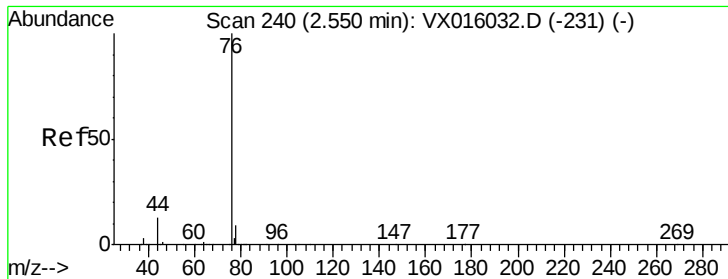
Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion:	43	Resp:	417150
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.0





#17

Carbon Disulfide

Concen: 47.513 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 76 Resp: 441635

Ion Ratio Lower Upper

76 100

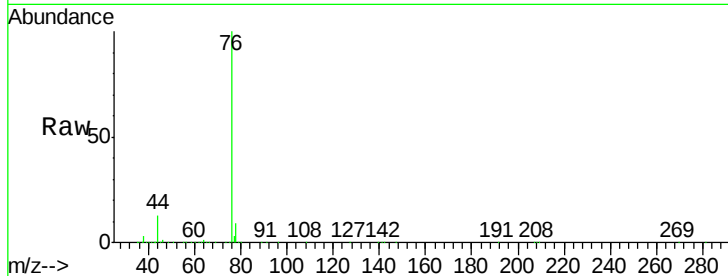
78 9.1 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

250000

200000

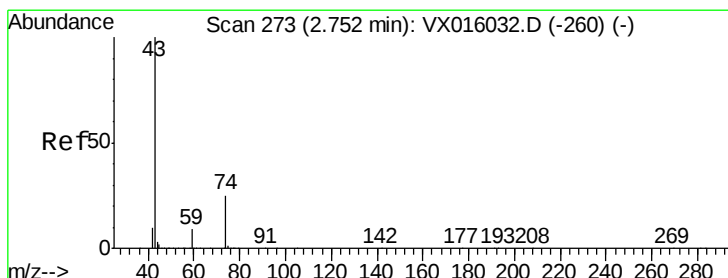
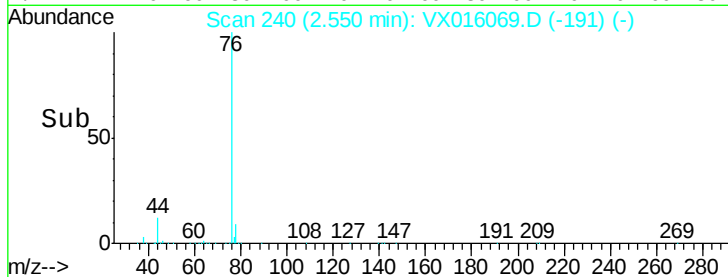
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.464 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016069.D

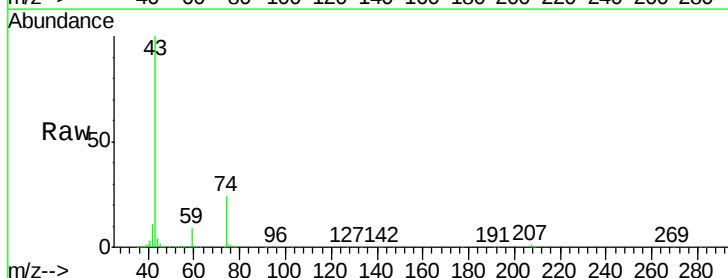
Acq: 05 May 2020 17:13

Tgt Ion: 43 Resp: 186793

Ion Ratio Lower Upper

43 100

74 24.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

120000

100000

80000

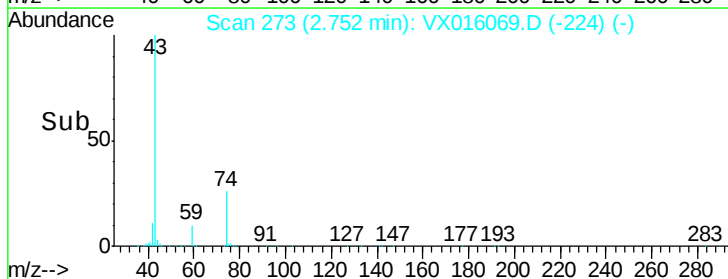
60000

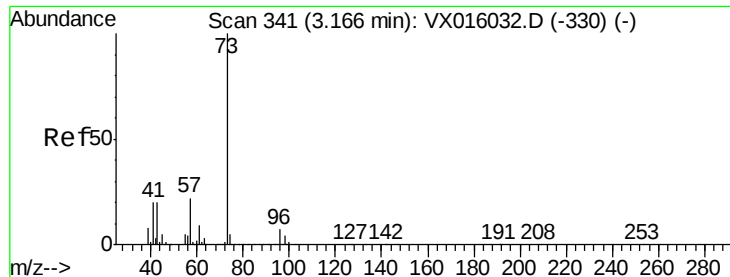
40000

20000

0

Time-->





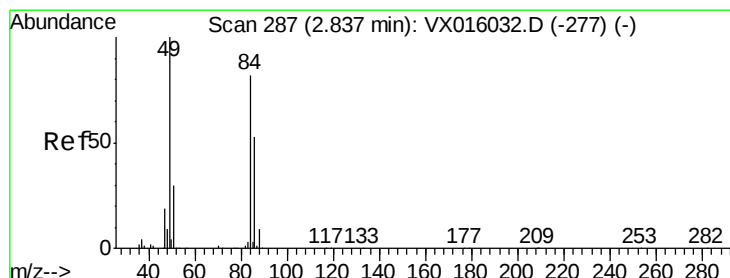
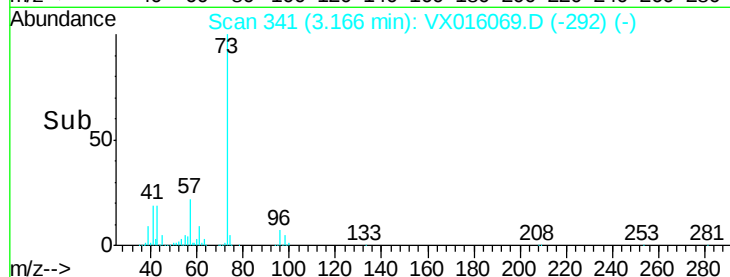
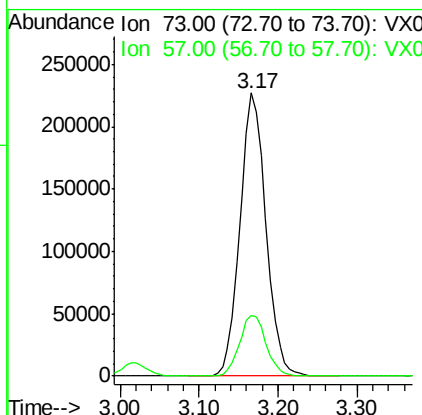
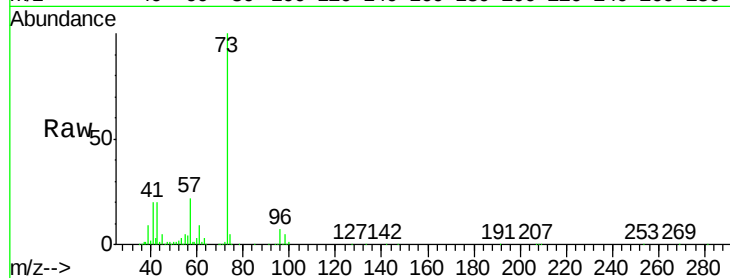
#19
Methyl tert-butyl Ether
Concen: 48.578 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.8	26.6

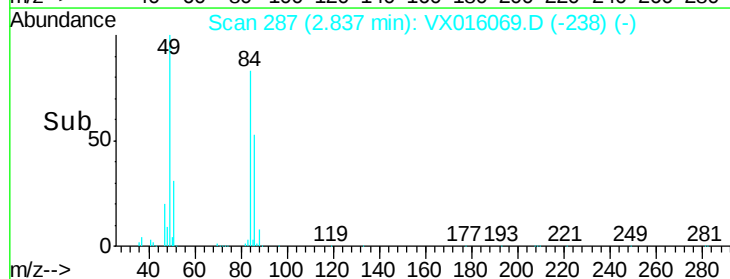
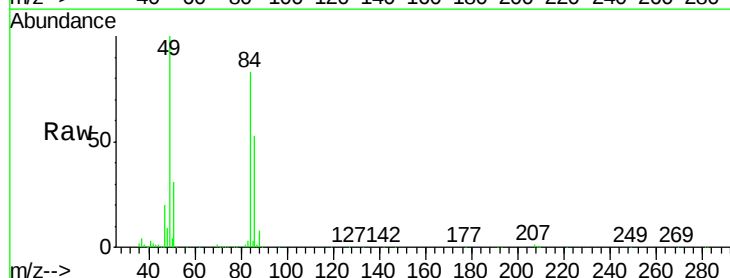
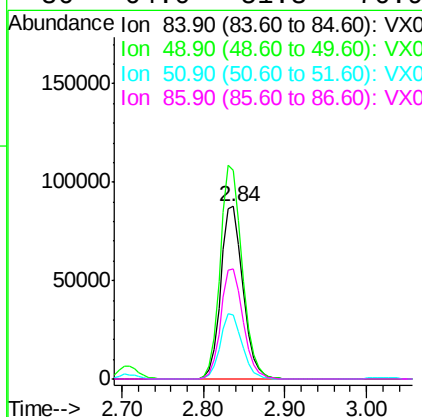
Manual Integrations
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#20
Methylene Chloride
Concen: 46.086 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	97.3	145.9
51	37.2	29.3	43.9
86	64.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 45.497 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

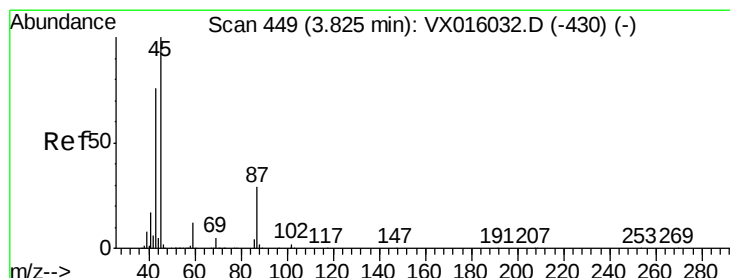
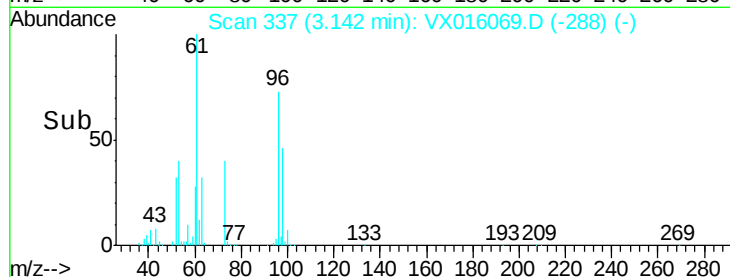
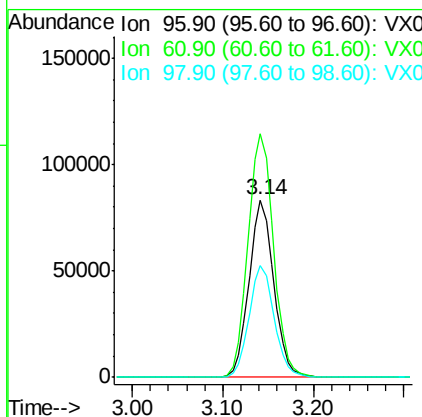
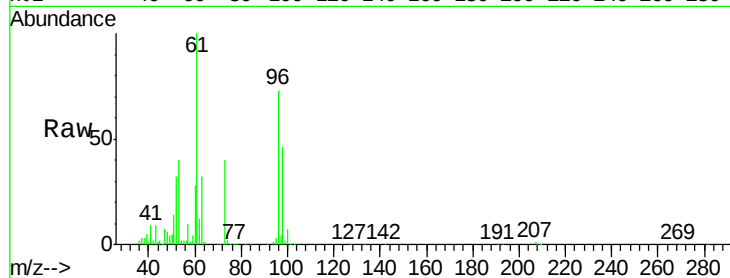
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:	96	Resp:	156897
Ion Ratio	Lower	Upper	
96	100		
61	137.7	111.2	166.8
98	62.9	50.2	75.4

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#22

Diisopropyl ether

Concen: 48.193 ug/l

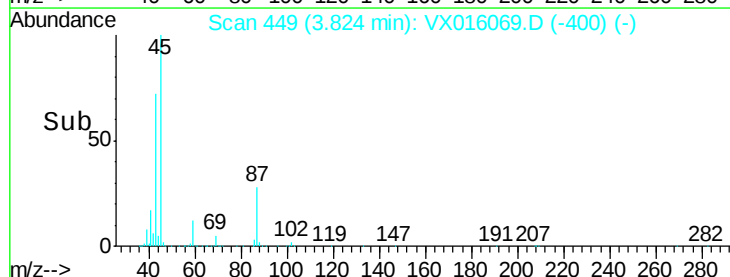
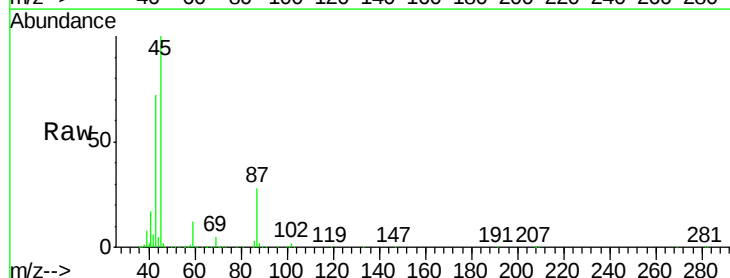
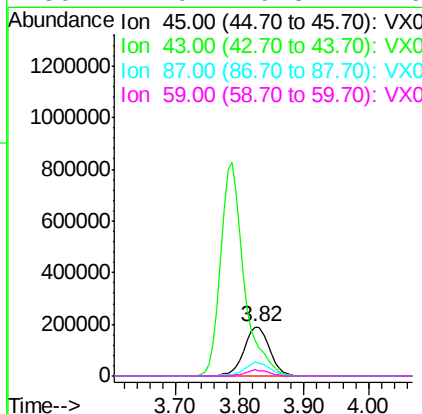
RT: 3.82 min Scan# 449

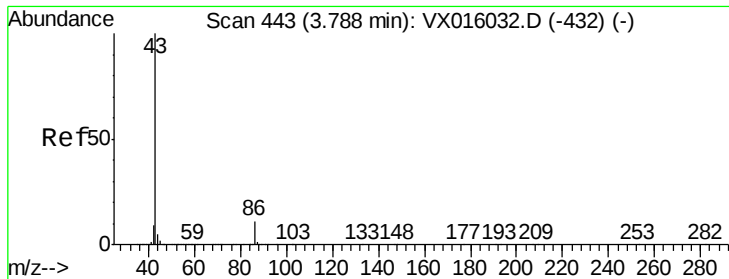
Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion:	45	Resp:	515877
Ion Ratio	Lower	Upper	
45	100		
43	72.0	61.1	91.7
87	27.6	23.0	34.6
59	12.0	9.8	14.6





#23

Vinyl Acetate

Concen: 223.957 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 43 Resp: 2109123

Ion Ratio Lower Upper

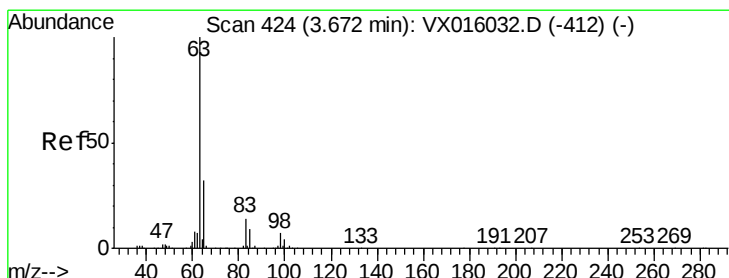
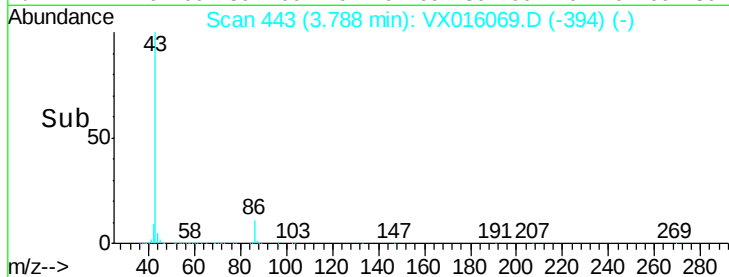
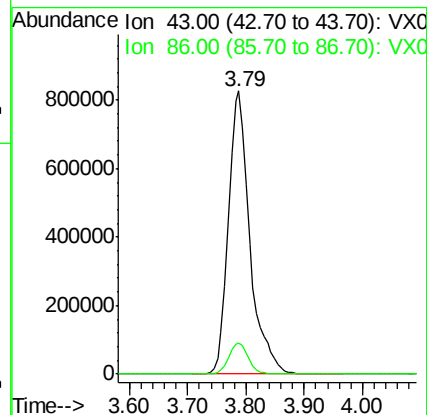
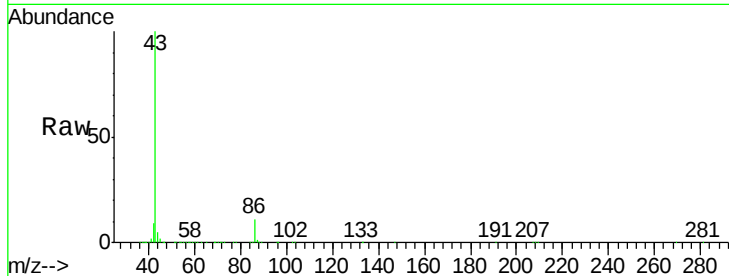
43 100

86 11.2 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 48.387 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

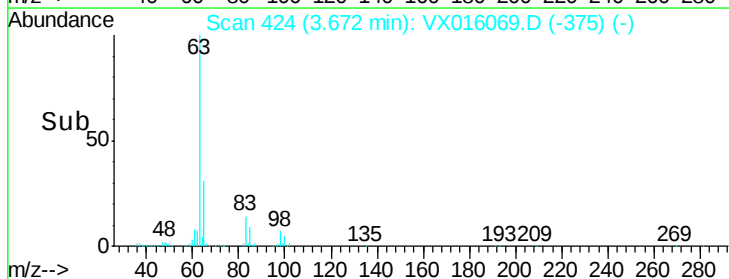
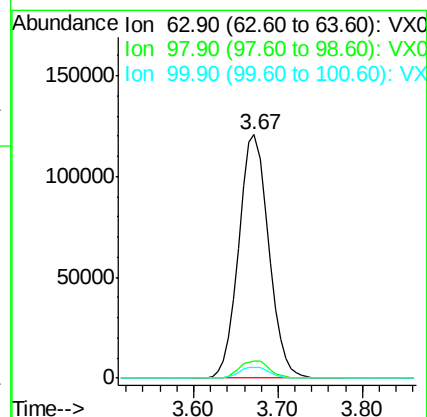
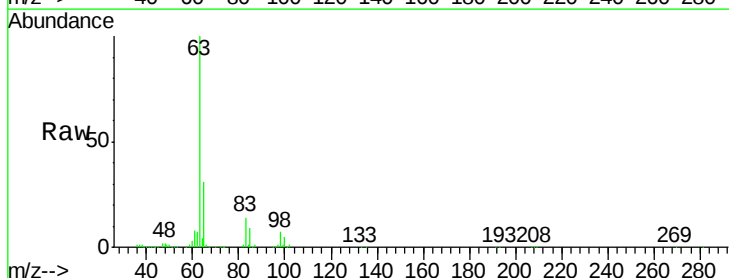
Tgt Ion: 63 Resp: 289742

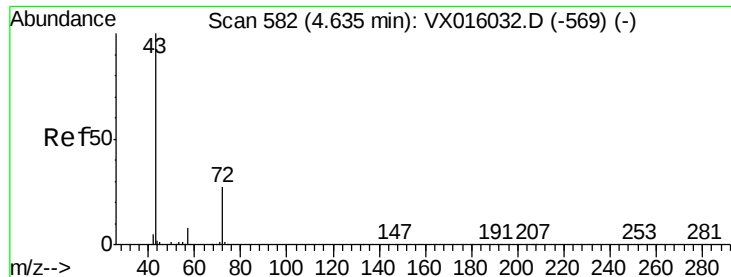
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 242.952 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 43 Resp: 684285

Ion Ratio Lower Upper

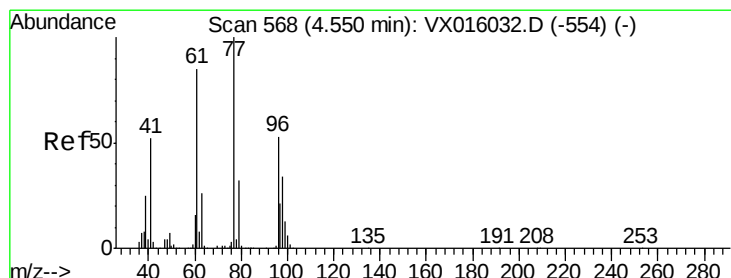
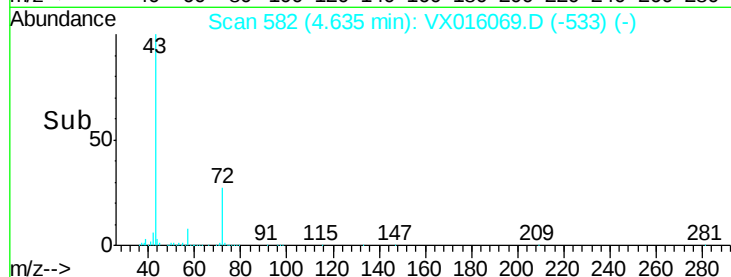
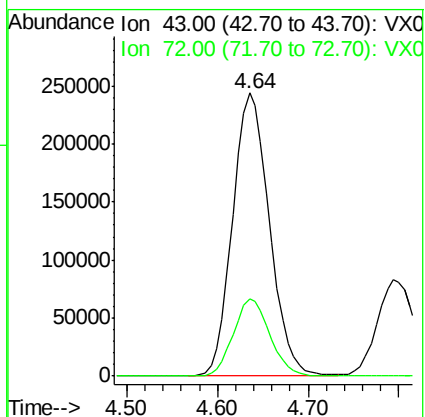
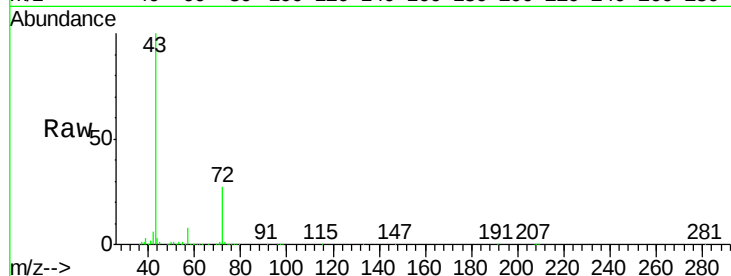
43 100

72 27.0 21.8 32.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 41.871 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016069.D

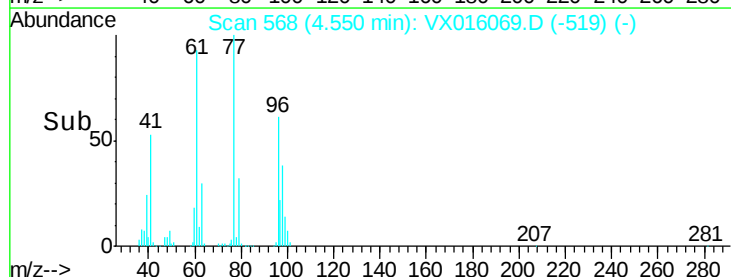
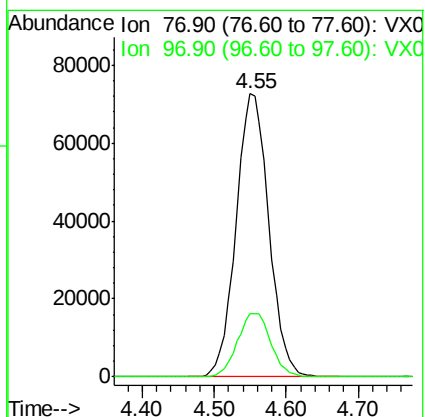
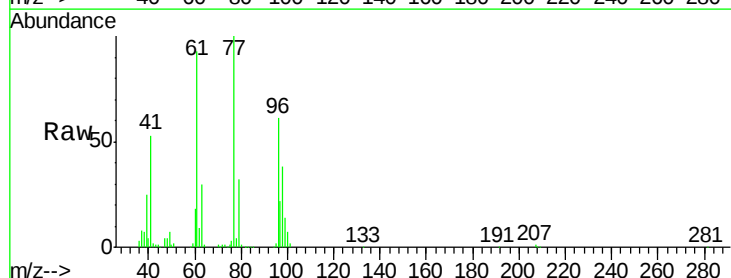
Acq: 05 May 2020 17:13

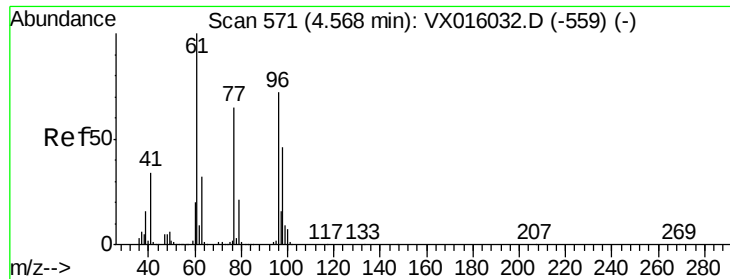
Tgt Ion: 77 Resp: 228971

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

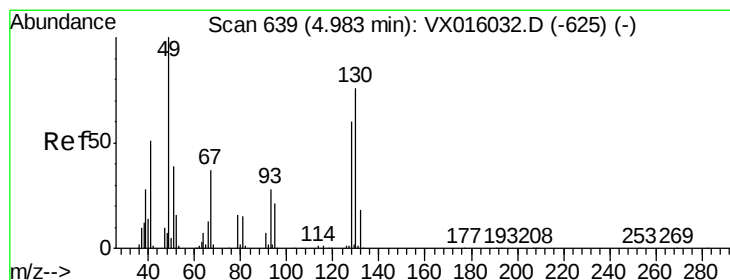
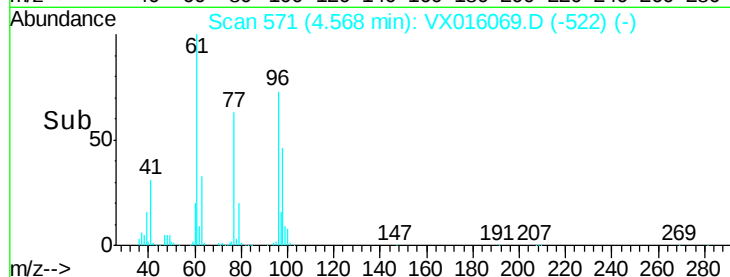
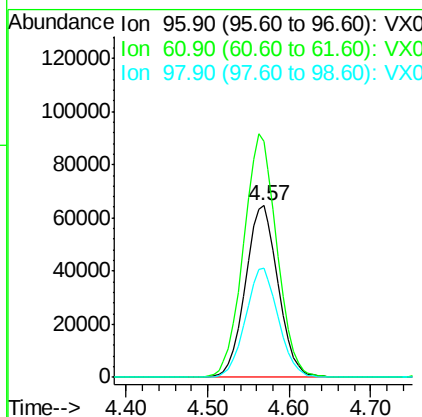
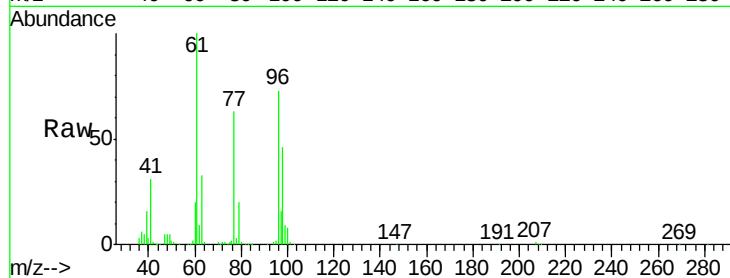
cis-1,2-Dichloroethene
Concen: 48.082 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	181272		
61	143.8	0.0	296.2	
98	63.4	0.0	129.4	

Manual Integrations
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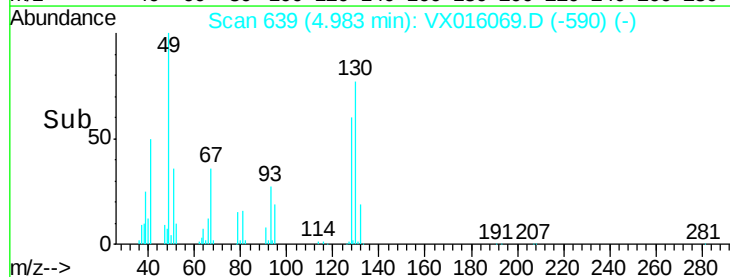
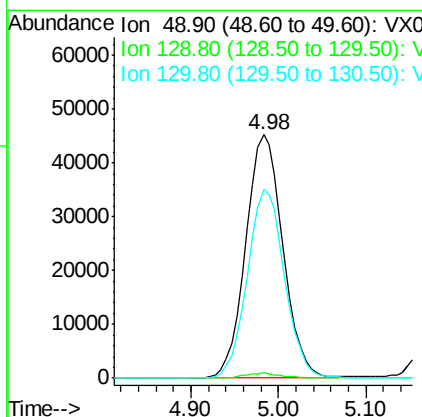
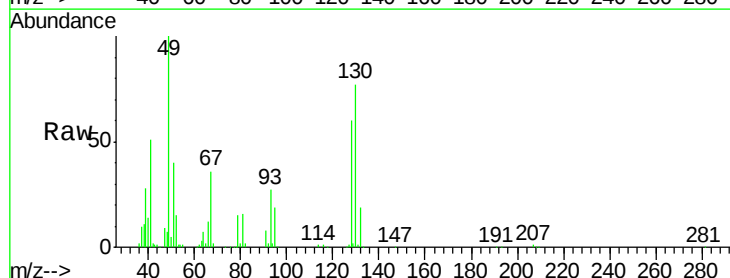
MMDadoda
5/6/2020 12:26:41 PM

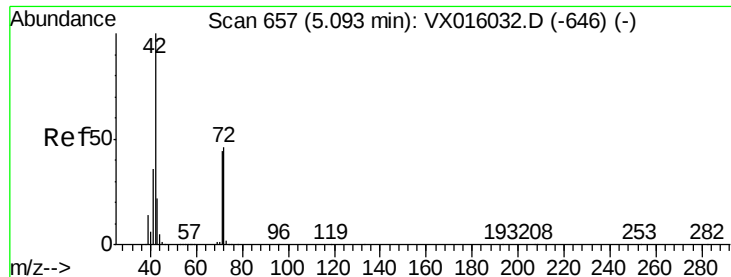


#28

Bromochloromethane
Concen: 48.978 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133732		
129	2.1	0.0	4.0	
130	77.7	62.4	93.6	





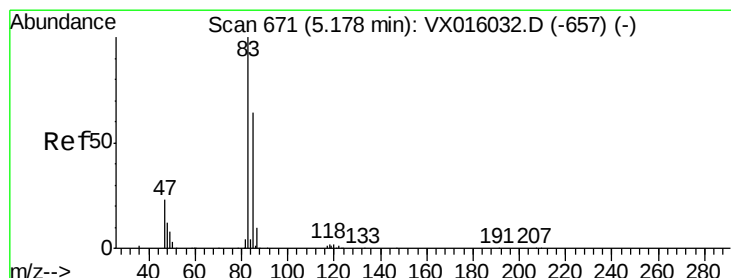
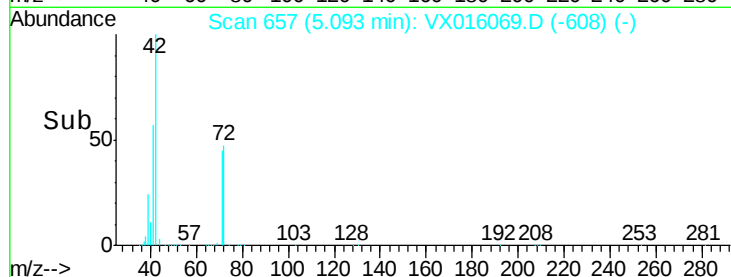
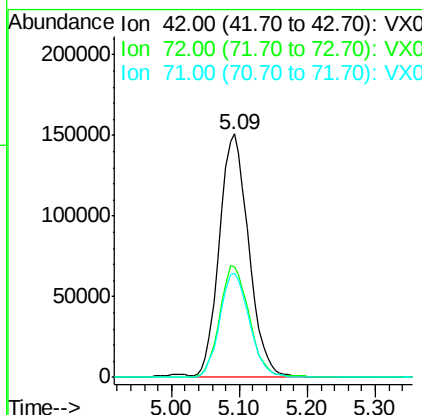
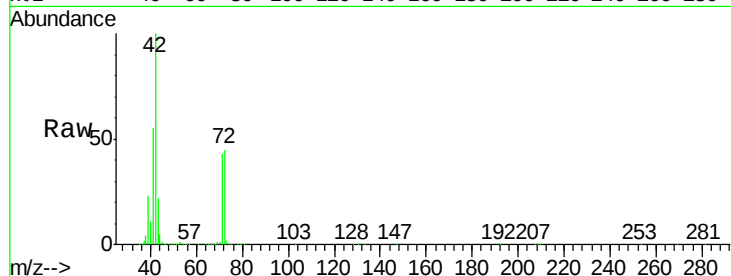
#29
Tetrahydrofuran
Concen: 241.990 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
42	100	451612		
72	46.5		37.1	55.7
71	43.2		34.5	51.7

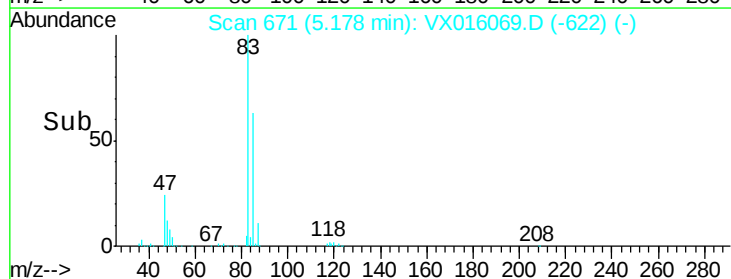
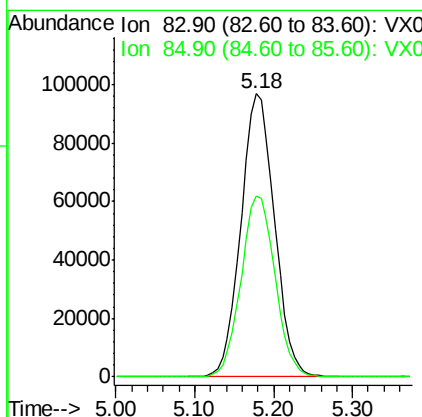
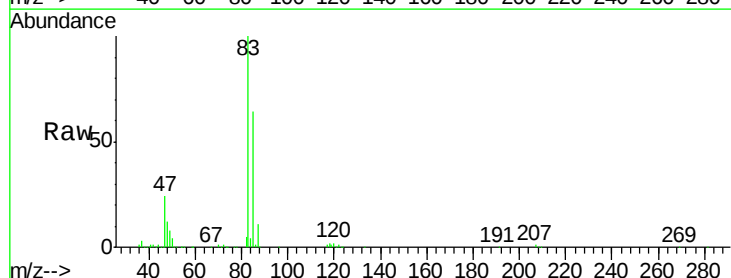
Manual Integrations
APPROVED

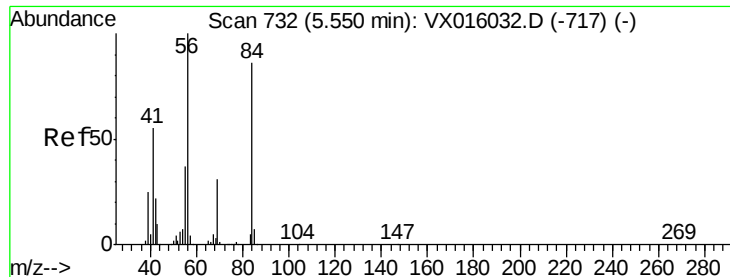
MMDadoda
5/6/2020 12:26:41 PM



#30
Chloroform
Concen: 48.200 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	287372		
85	64.0		51.6	77.4





#31

Cyclohexane

Concen: 48.009 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

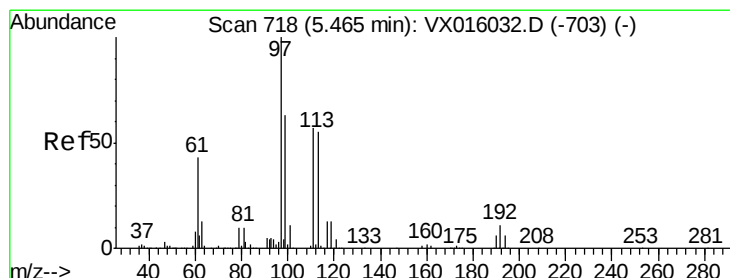
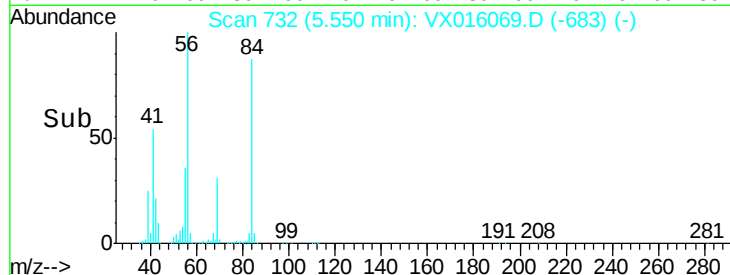
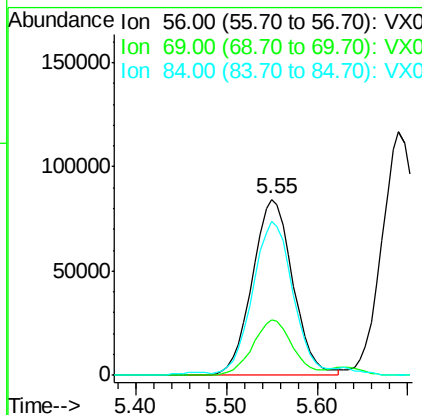
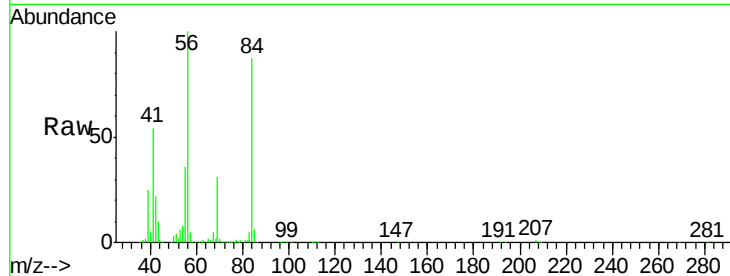
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:	56	Resp:	261266
Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.6
84	85.7	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.112 ug/l

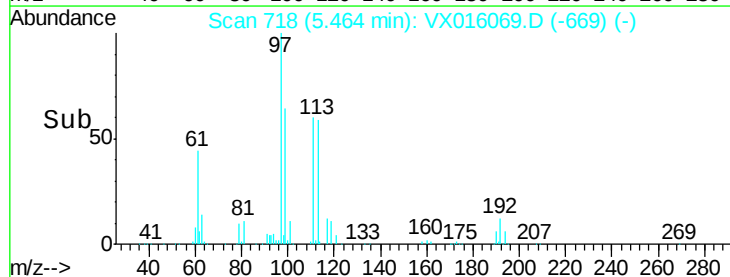
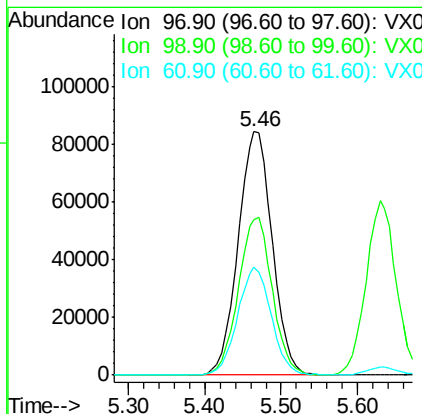
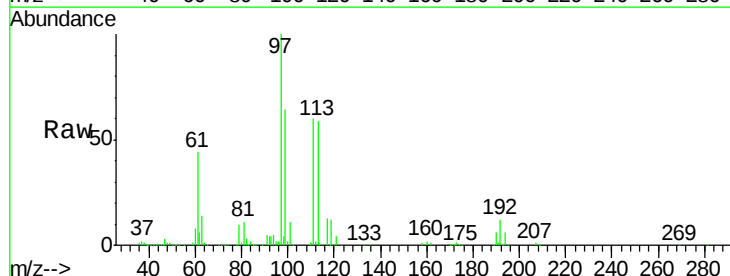
RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion:	97	Resp:	260739
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	43.8	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 47.140 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 65 Resp: 184662

Ion Ratio Lower Upper

65 100

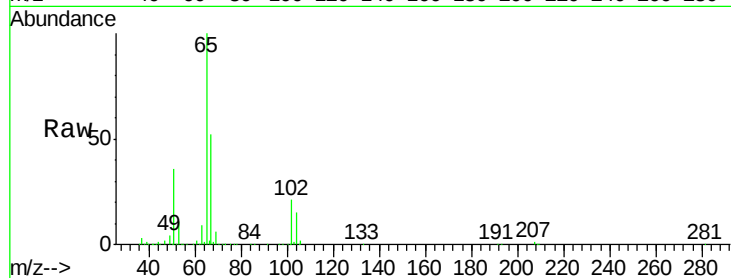
67 52.2 0.0 104.8

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

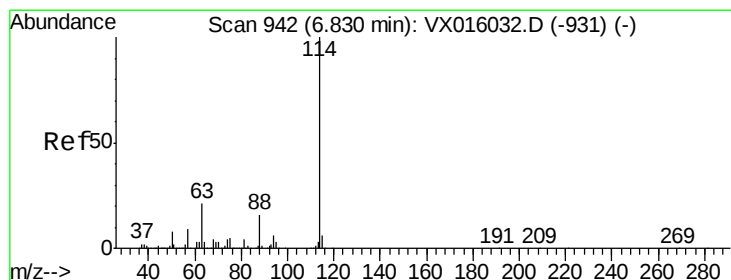
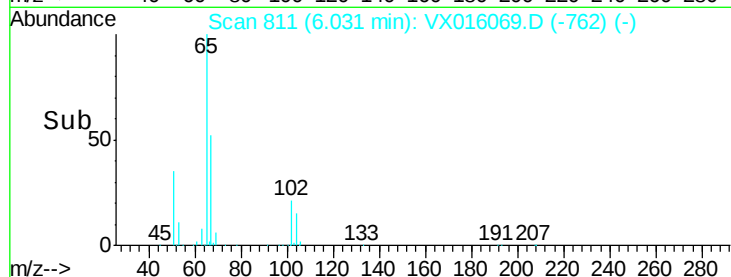
40000

20000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

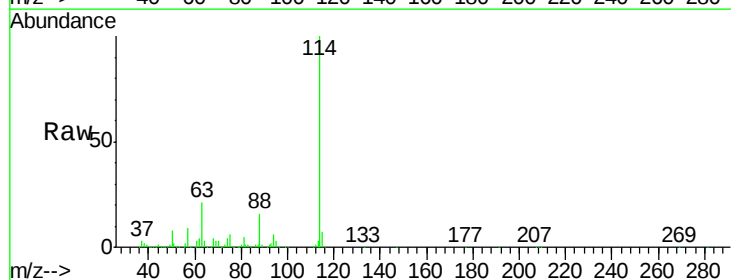
Tgt Ion: 114 Resp: 485743

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

88 16.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

250000

200000

150000

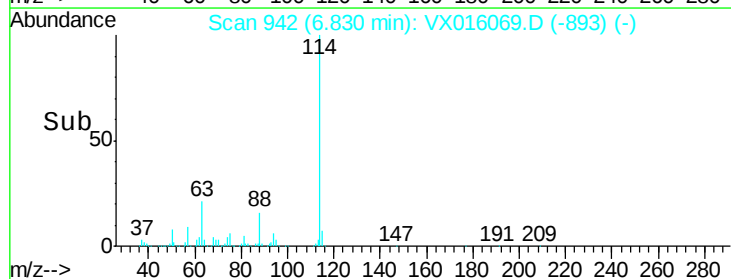
100000

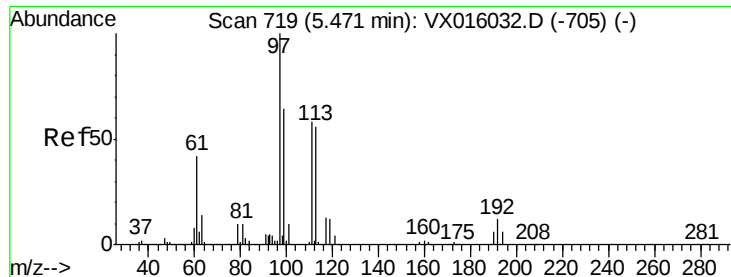
50000

0

Time-->

6.70 6.80 6.90 7.00





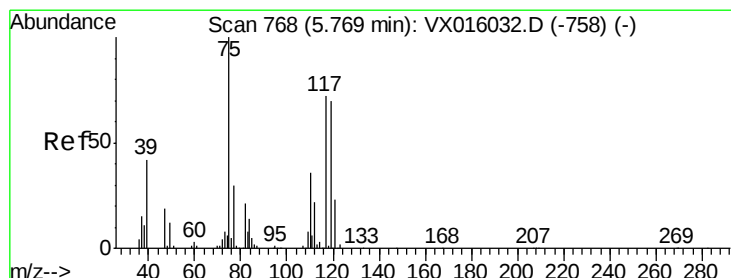
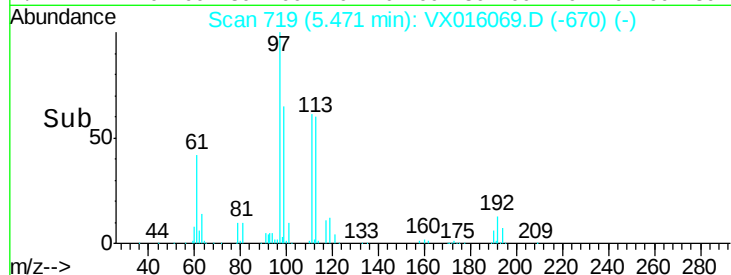
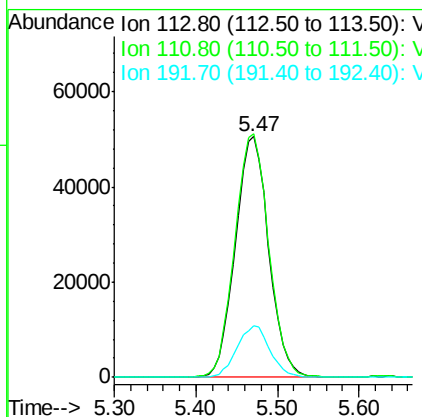
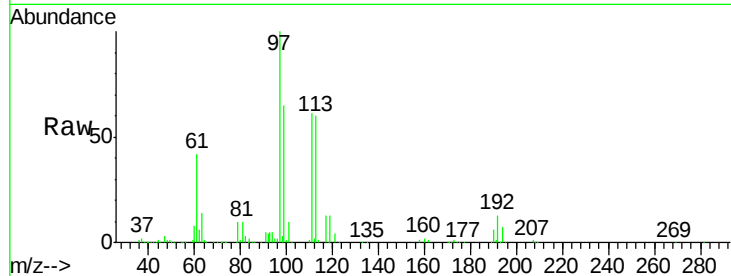
#35
Dibromofluoromethane
Concen: 46.676 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143641		
111	102.3	81.6	122.4	
192	21.2	17.0	25.4	

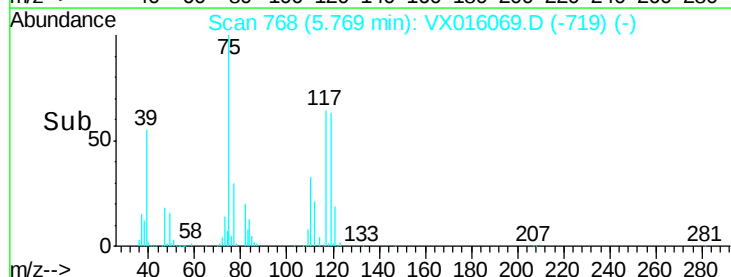
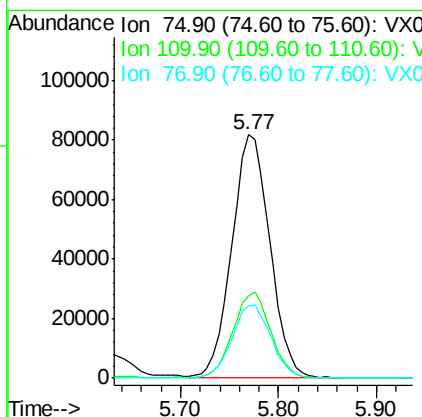
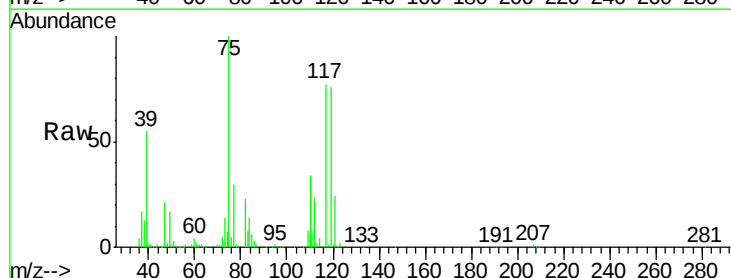
Manual Integrations
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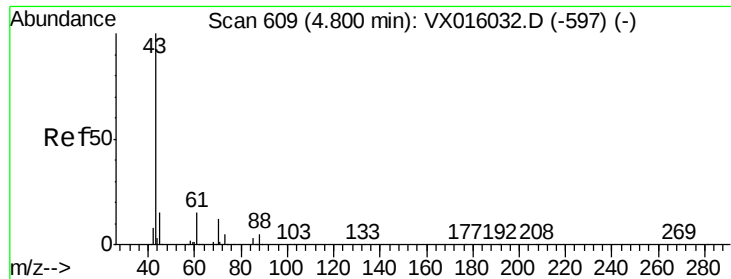
MMDadoda
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#36
1,1-Dichloropropene
Concen: 45.994 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	219918		
110	35.2	18.1	54.1	
77	30.9	25.0	37.6	





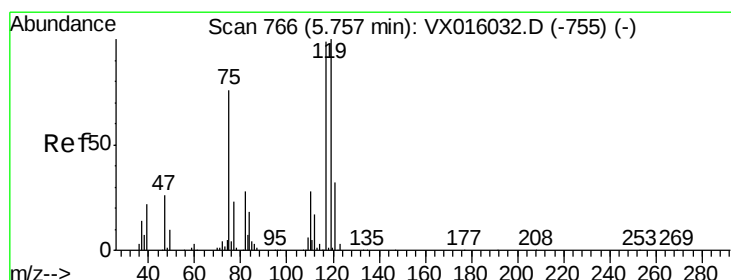
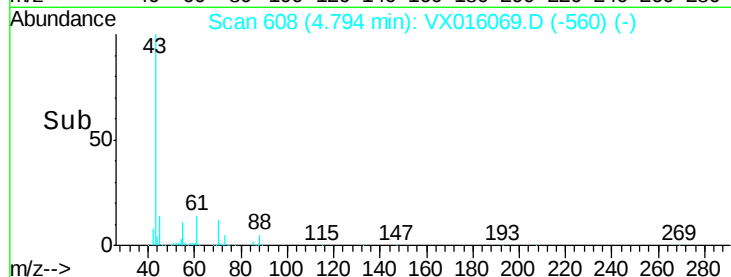
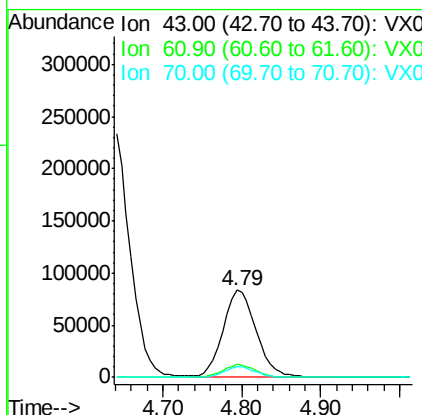
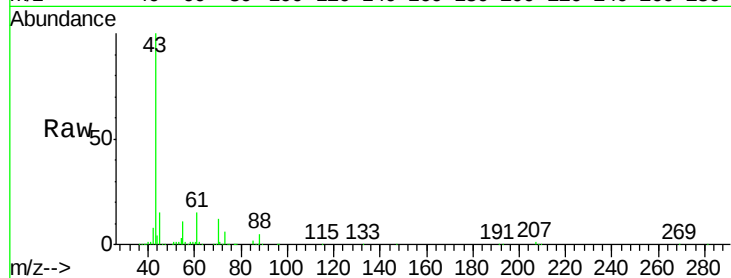
#37
Ethyl Acetate
Concen: 43.842 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	43	Resp	242967
Ion Ratio	100	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	11.6	9.3	13.9

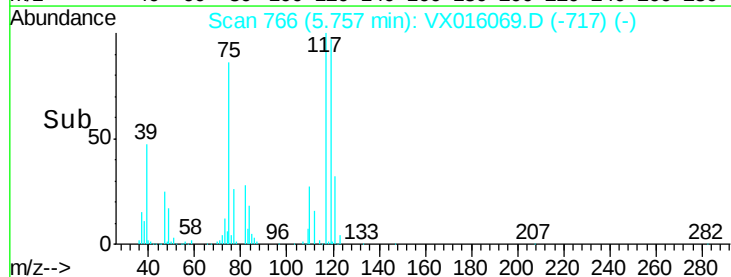
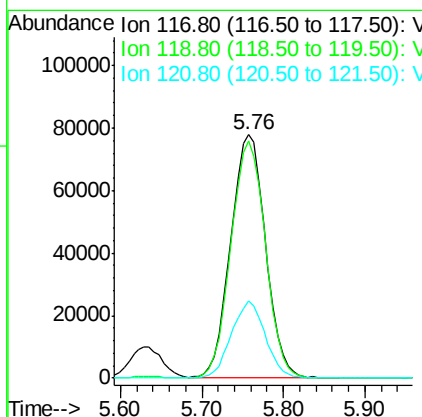
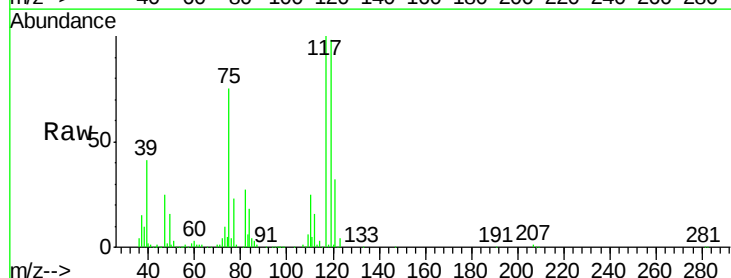
Manual Integrations
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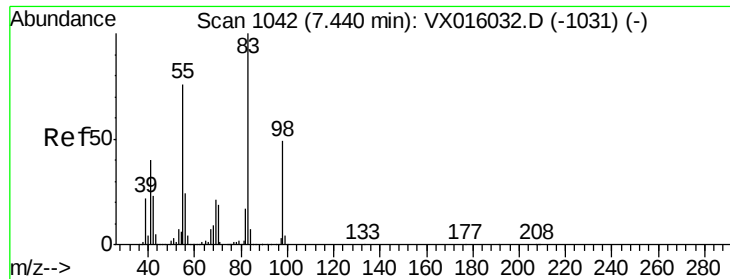
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5/6/2020 12:26:41 PM



#38
Carbon Tetrachloride
Concen: 47.311 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	117	Resp	229933
Ion Ratio	100	Lower	Upper
117	100		
119	97.6	80.3	120.5
121	31.6	25.7	38.5





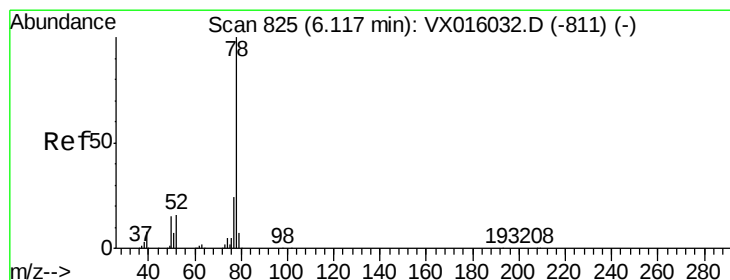
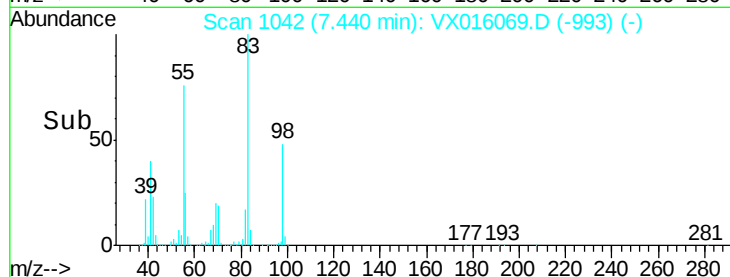
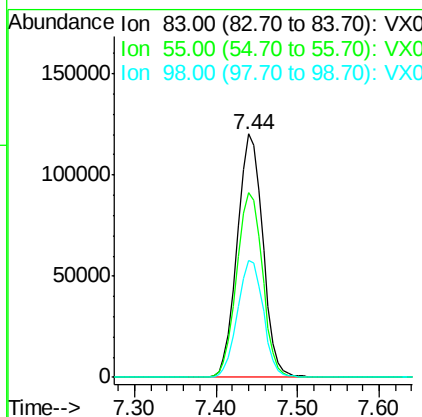
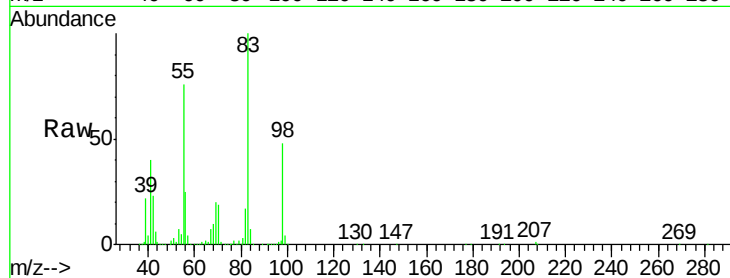
#39
Methvlcvclohexane
Concen: 45.298 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.1	91.7
98	48.1	39.0	58.4

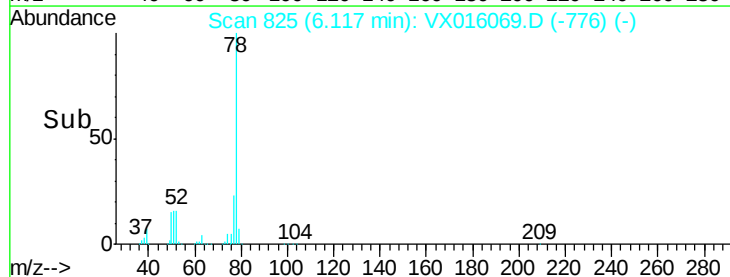
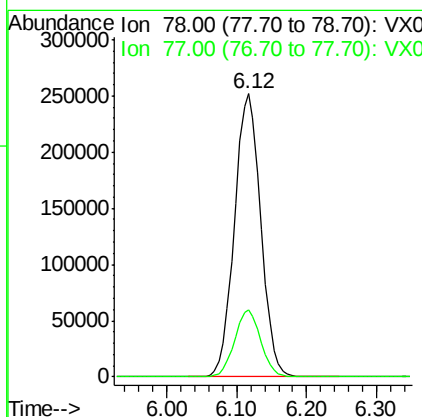
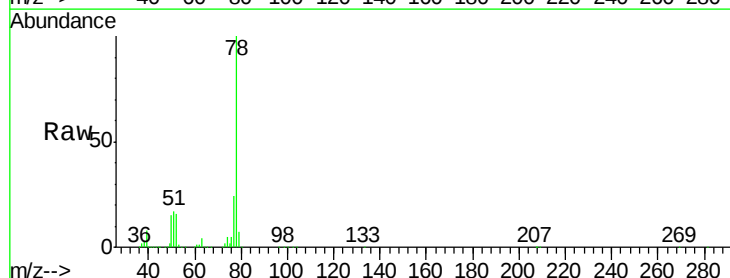
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#40
Benzene
Concen: 46.814 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





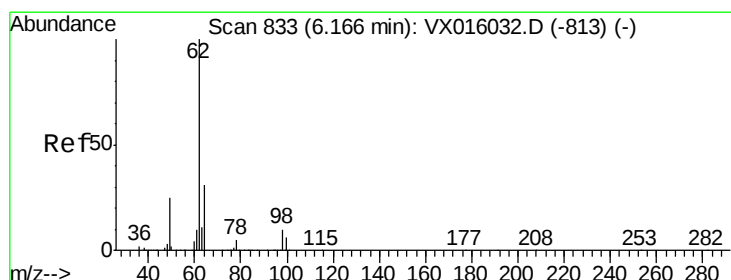
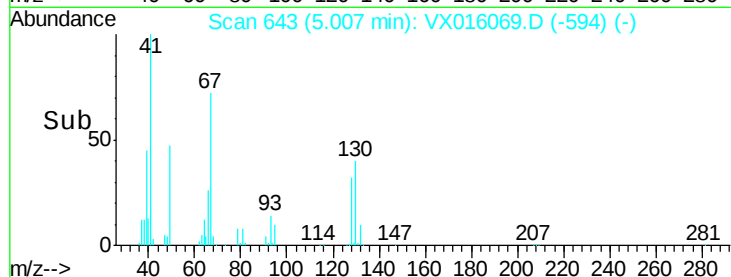
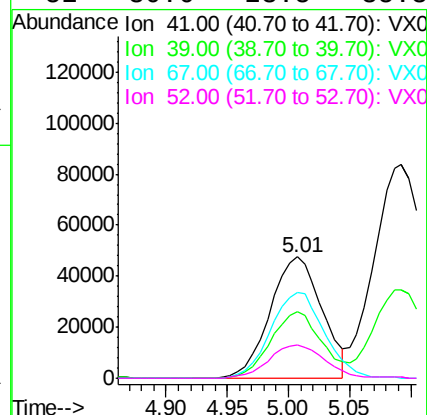
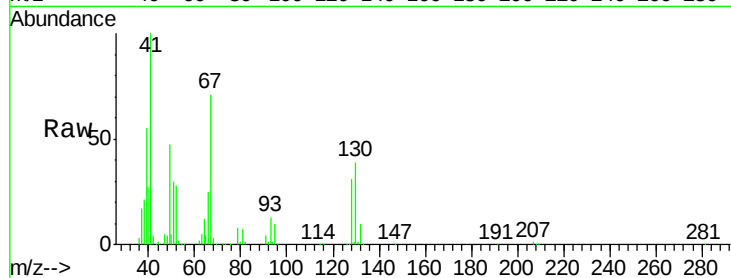
#41
Methacrylonitrile
Concen: 46.676 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		139696		
39	55.2	43.2	64.8		
67	74.2	59.3	88.9		
52	30.6	23.5	35.3		

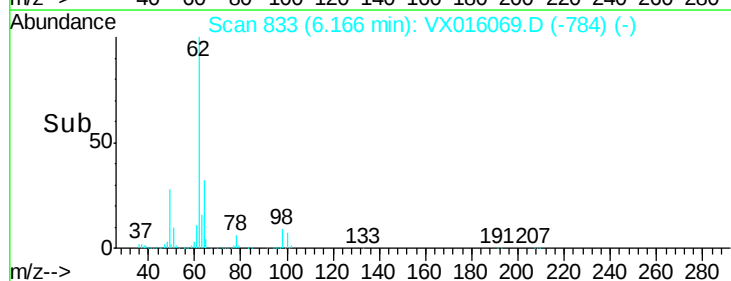
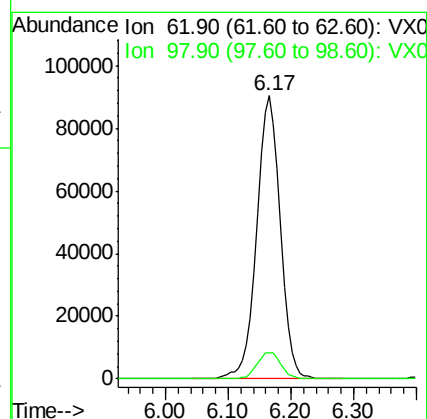
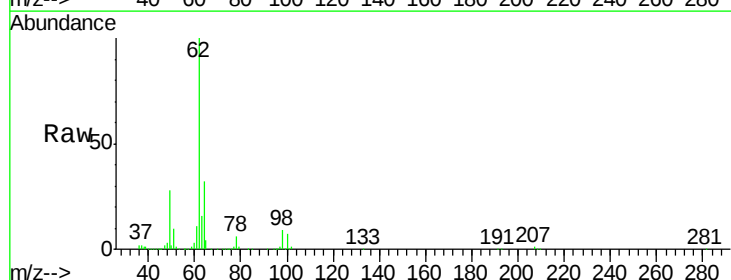
Manual Integrations
APPROVED

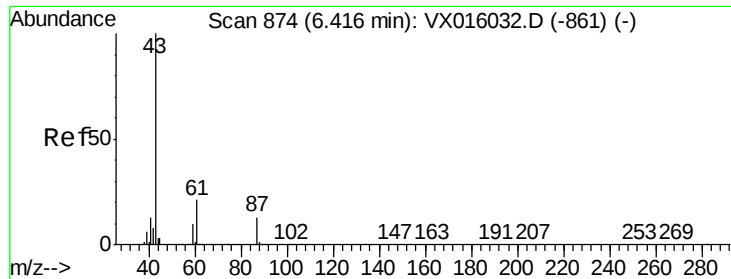
MMDadoda
5/6/2020 12:26:41 PM



#42
1,2-Dichloroethane
Concen: 46.656 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		235134		
98	9.4	0.0	19.4		





#43

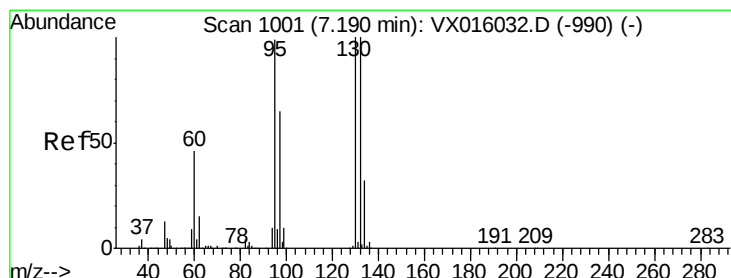
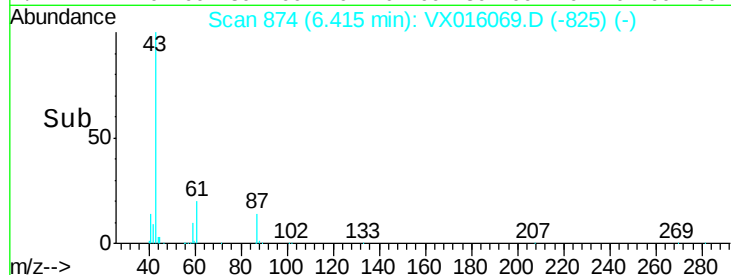
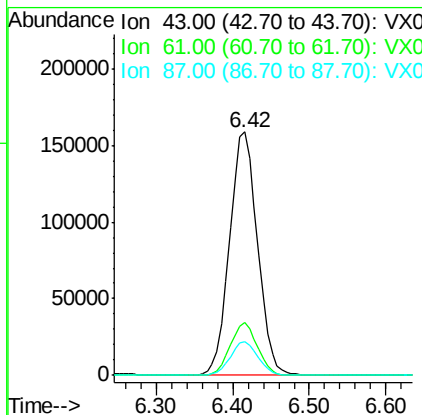
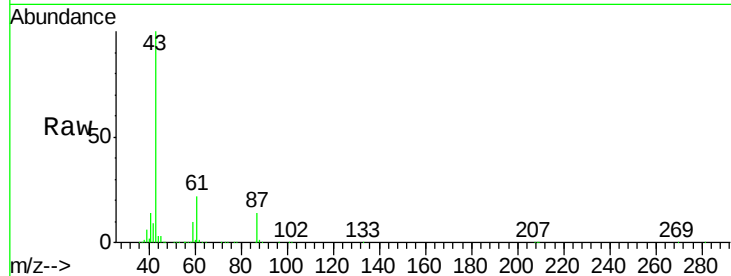
Isopropyl Acetate
 Concen: 45.236 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100	399985		
61	21.1		17.0	25.4
87	13.7		11.0	16.6

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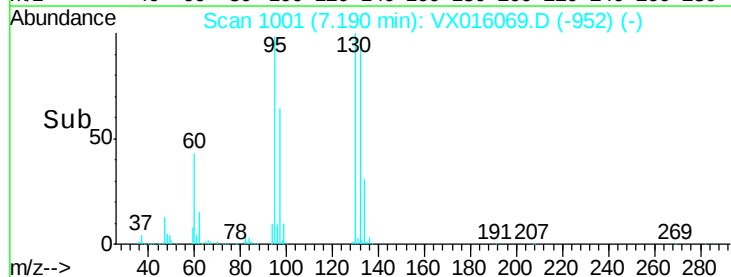
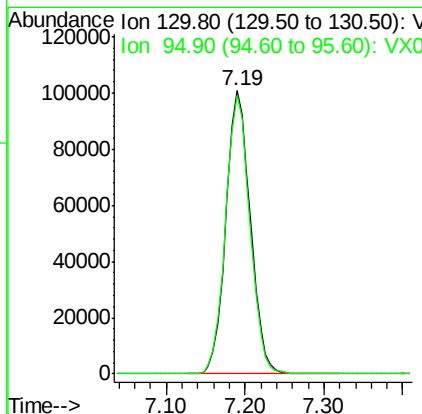
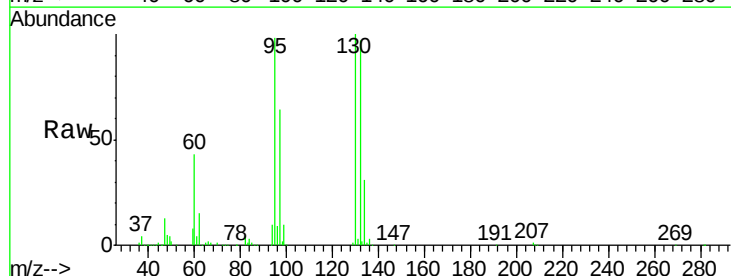
MMDadoda
 5/6/2020 12:26:41 PM



#44

Trichloroethene
 Concen: 43.758 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	217486		
95	98.2		0.0	197.4





#45

1,2-Dichloropropane

Concen: 47.734 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 63 Resp: 168981

Ion Ratio Lower Upper

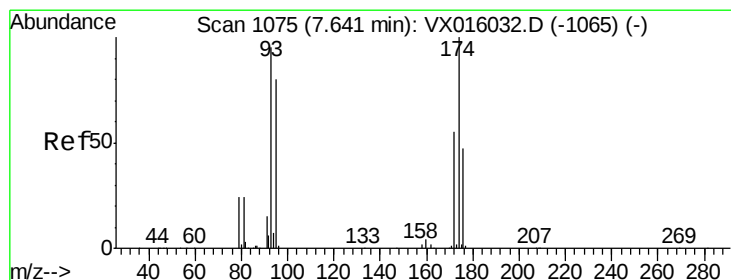
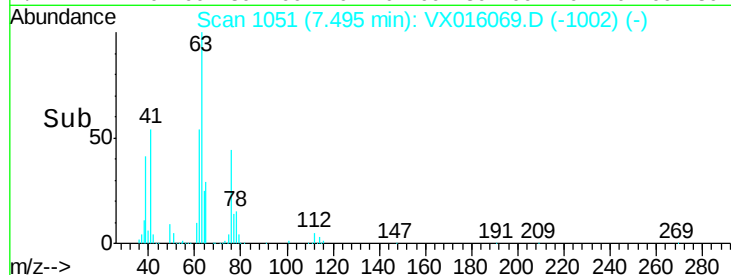
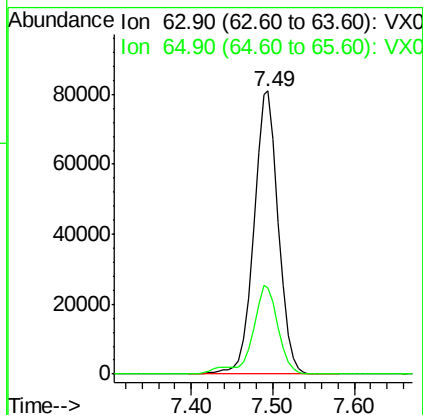
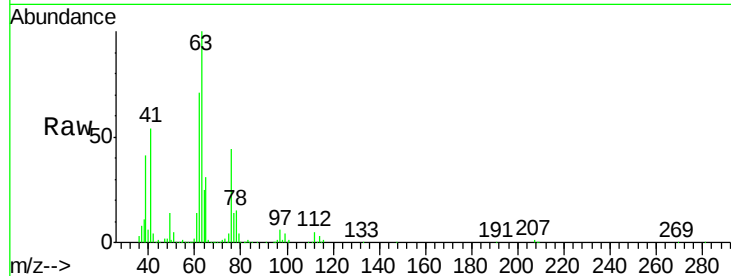
63 100

65 30.6 24.4 36.6

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#46

Dibromomethane

Concen: 47.273 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

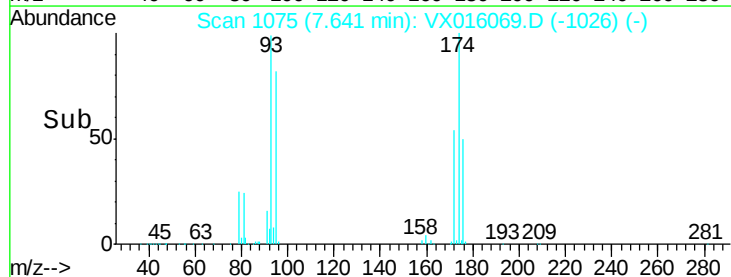
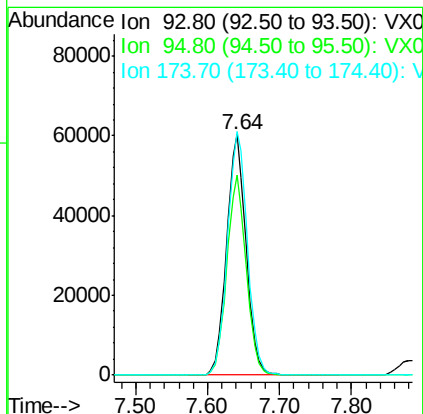
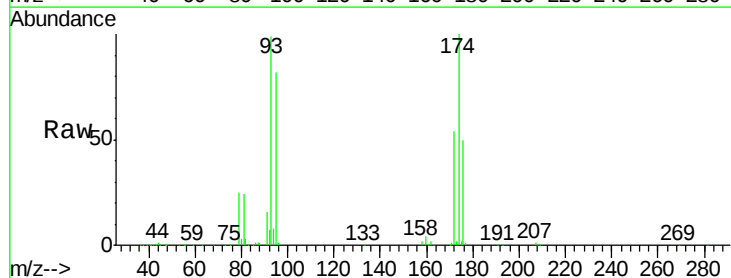
Tgt Ion: 93 Resp: 113726

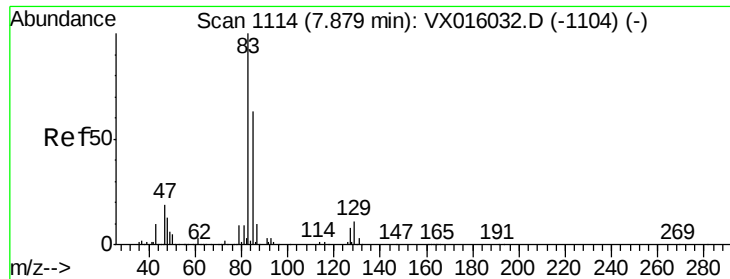
Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

174 103.2 84.2 126.4





#47

Bromodichloromethane

Concen: 47.707 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

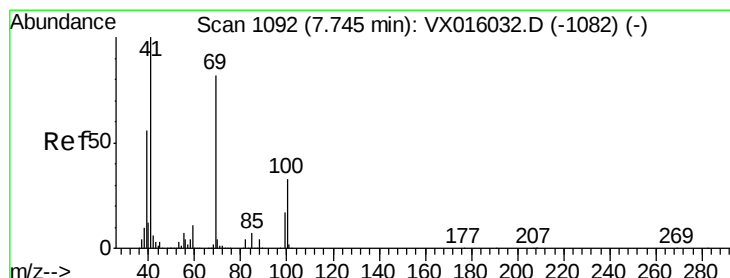
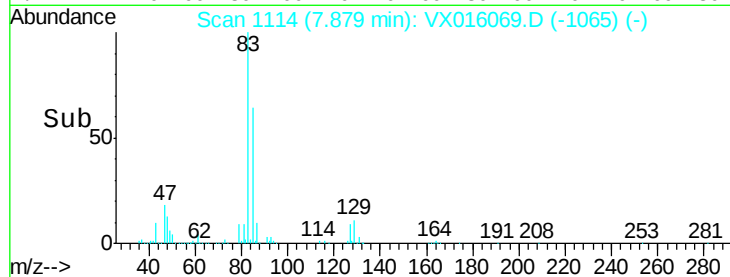
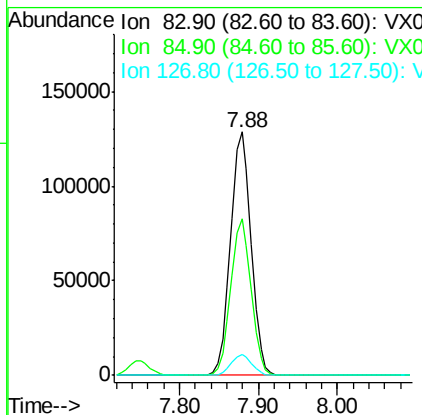
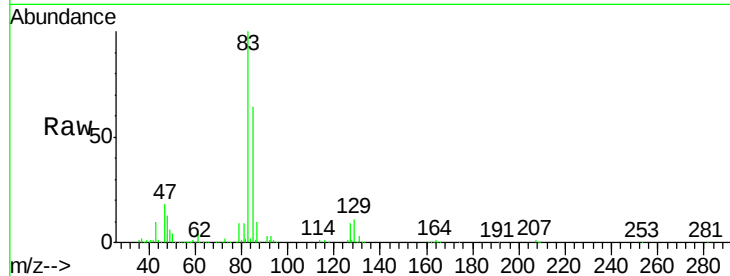
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:	83	Resp:	233743
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.5	75.7
127	8.5	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.583 ug/l

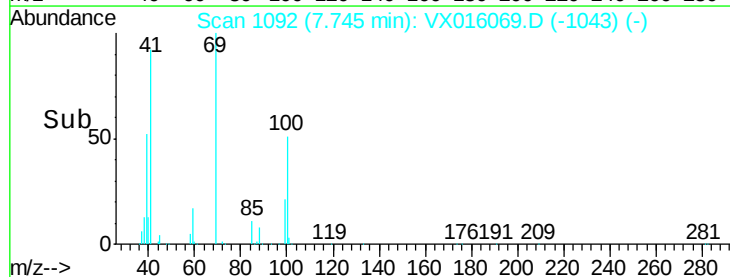
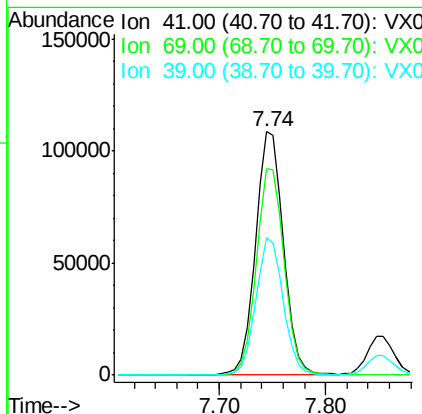
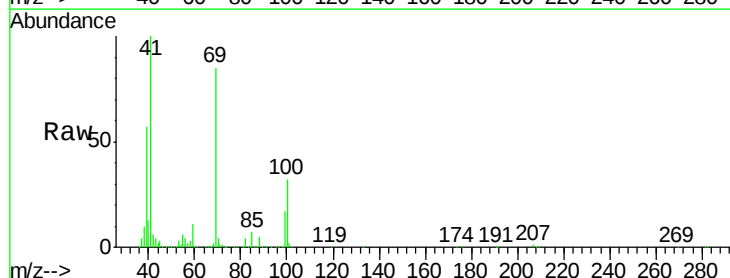
RT: 7.74 min Scan# 1092

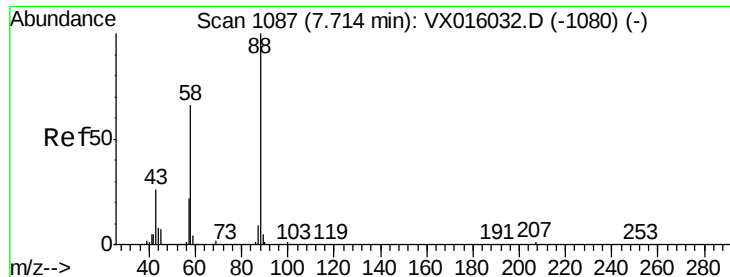
Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion:	41	Resp:	199368
Ion Ratio	Lower	Upper	
41	100		
69	85.0	67.8	101.6
39	55.1	44.6	67.0





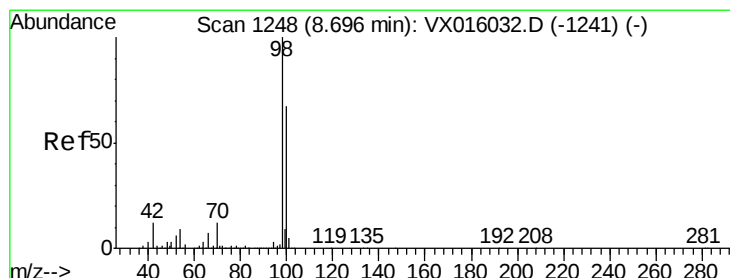
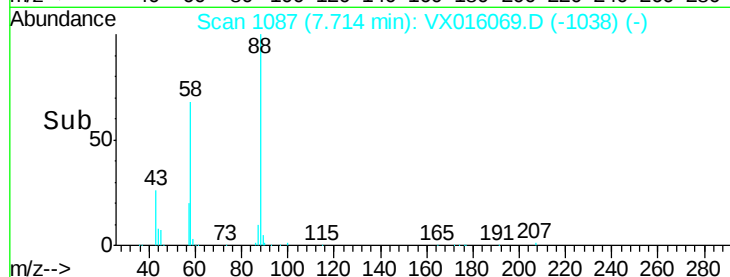
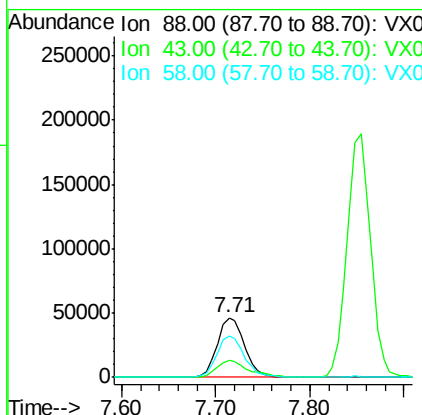
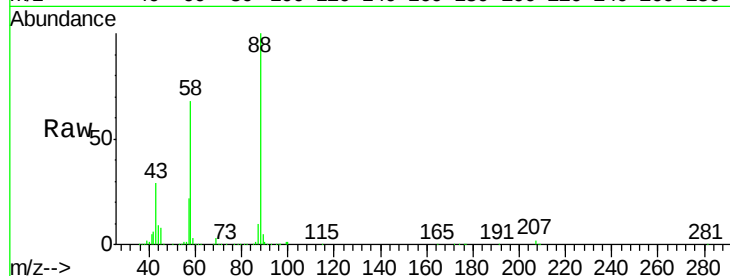
#49
1,4-Dioxane
Concen: 912.070 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	25.3	37.9
58	70.9	55.9	83.9

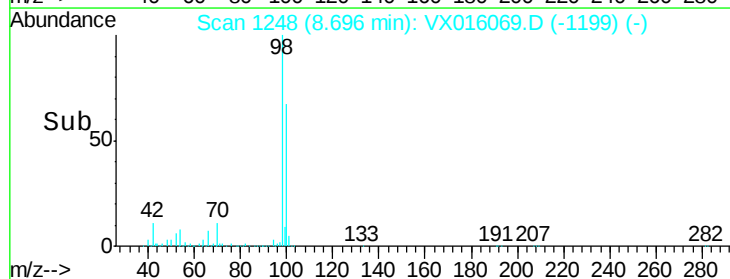
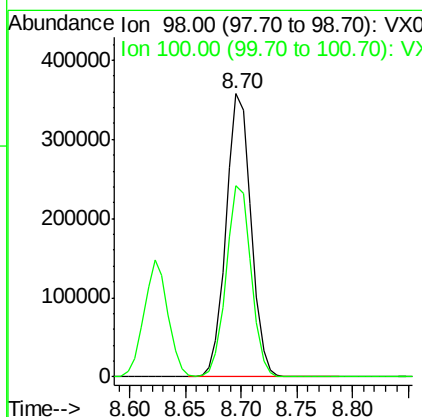
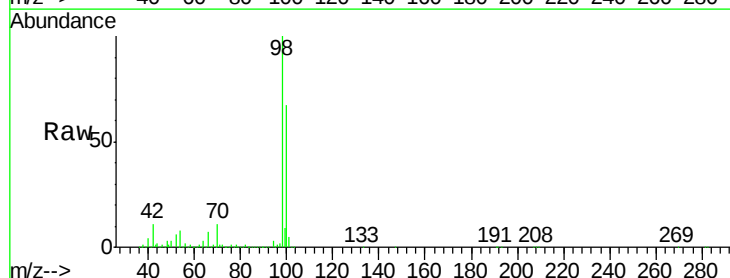
Manual Integrations
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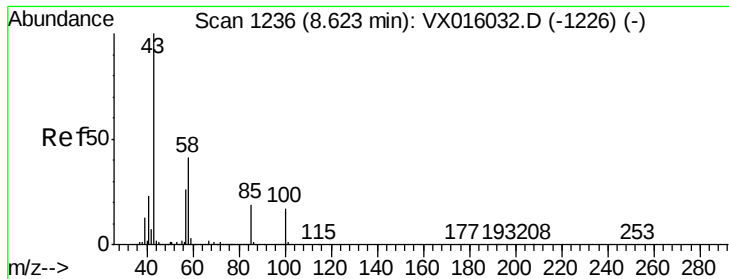
MMDadoda
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#50
Toluene-d8
Concen: 46.740 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 241.600 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 43 Resp: 1307278

Ion Ratio Lower Upper

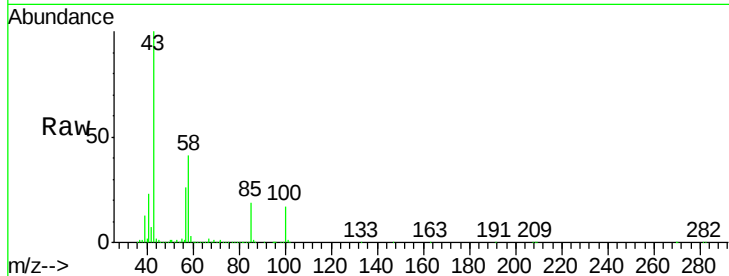
43 100

58 41.4 33.0 49.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

1000000

800000

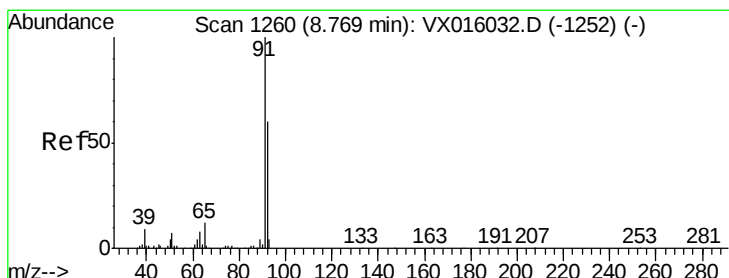
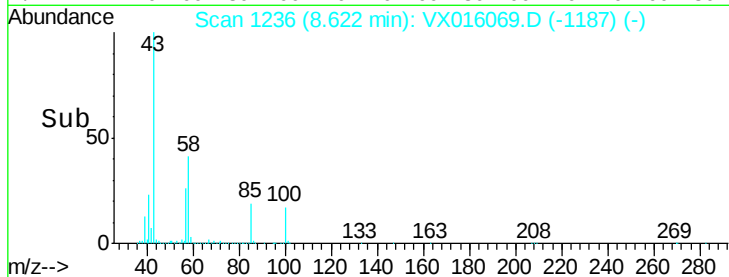
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 47.456 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016069.D

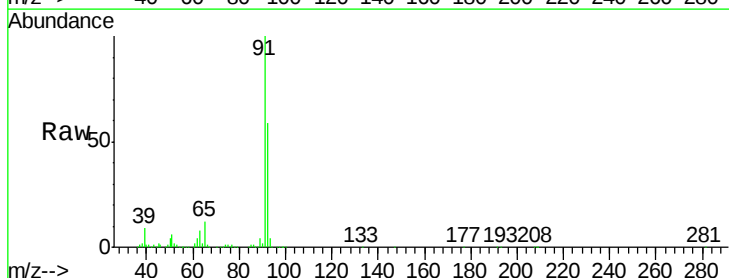
Acq: 05 May 2020 17:13

Tgt Ion: 92 Resp: 413837

Ion Ratio Lower Upper

92 100

91 168.5 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

500000

400000

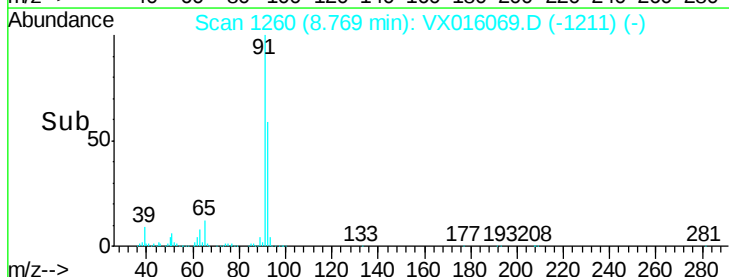
300000

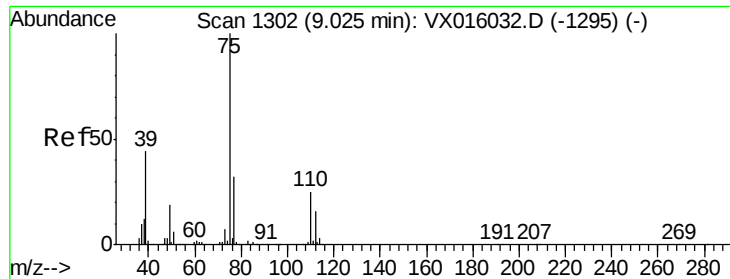
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.687 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 75 Resp: 266896

Ion Ratio Lower Upper

75 100

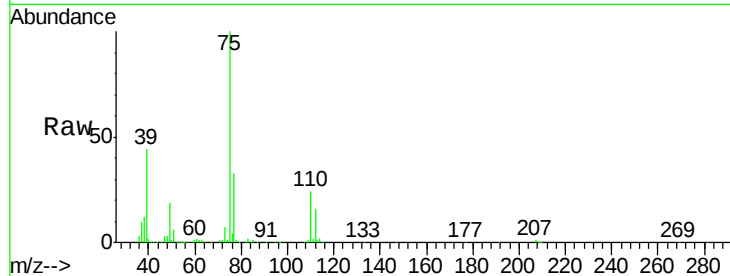
77 32.9 25.7 38.5

Manual Integrations

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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

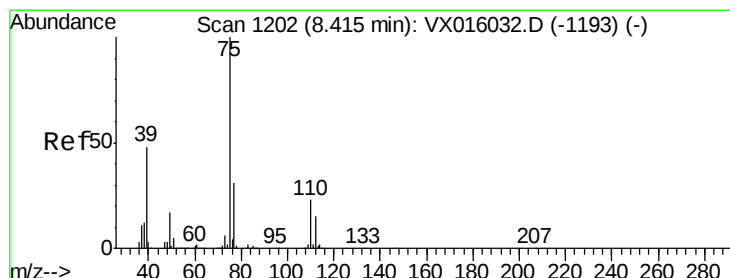
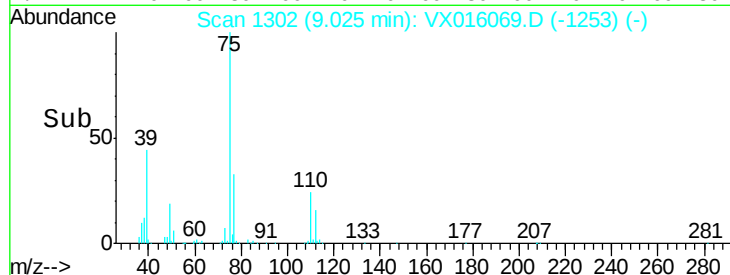
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.501 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

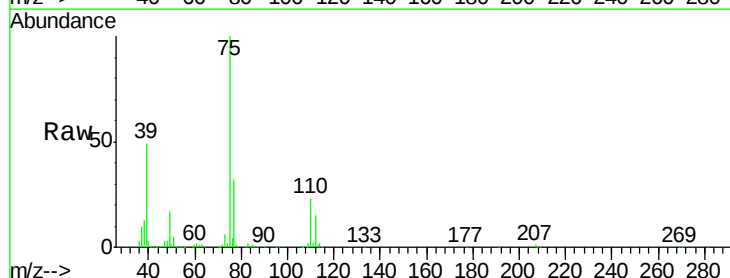
Tgt Ion: 75 Resp: 277640

Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1

39 48.5 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

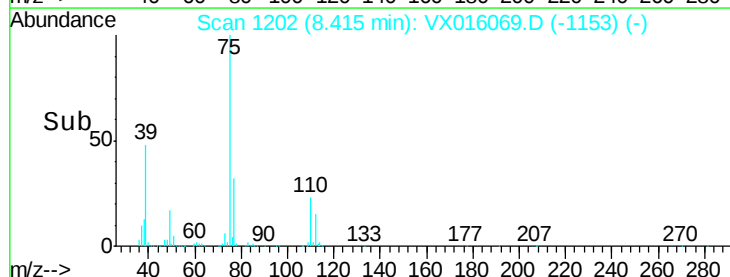
150000

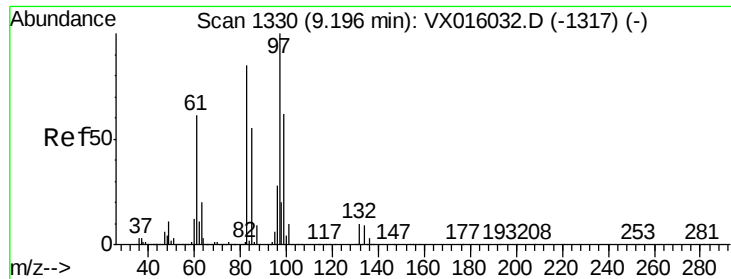
100000

50000

0

Time-->





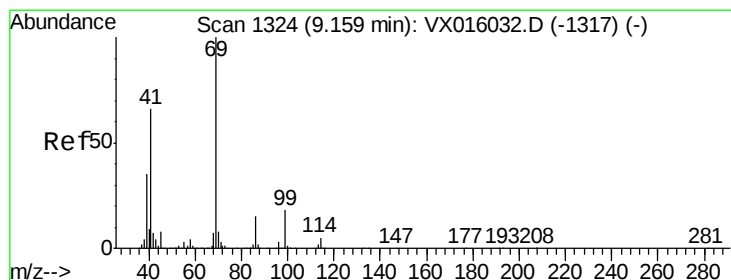
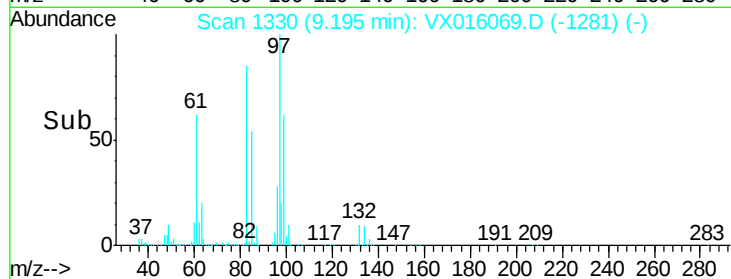
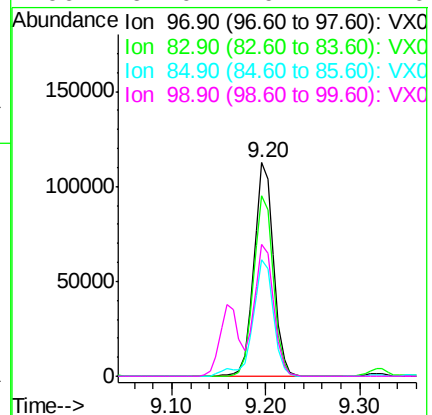
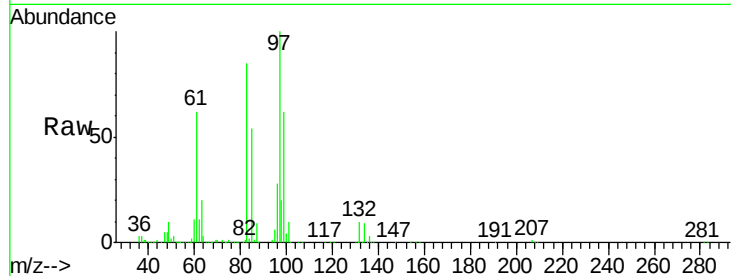
#55
 1,1,2-Trichloroethane
 Concen: 47.776 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		163917		
83	84.6	67.8	101.8		
85	54.3	43.8	65.8		
99	62.0	49.4	74.0		

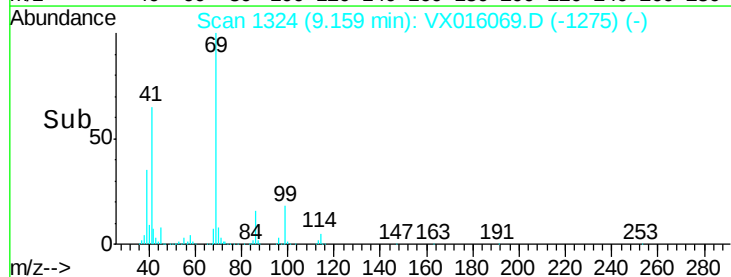
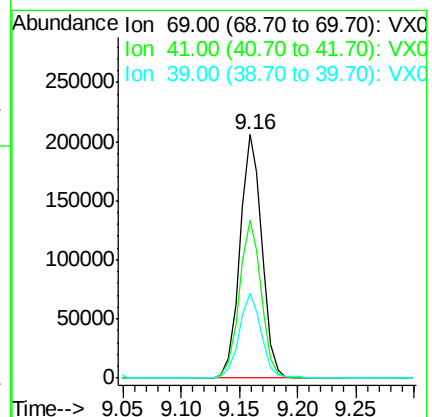
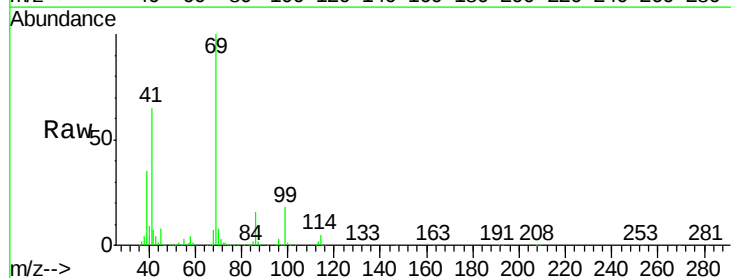
Manual Integrations
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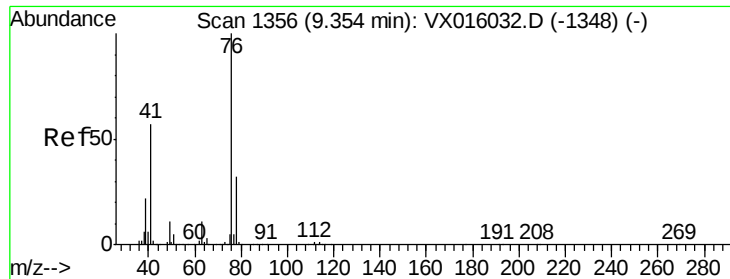
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 5/6/2020 12:26:41 PM



#56
 Ethyl methacrylate
 Concen: 48.269 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		270325		
41	64.5	52.2	78.4		
39	35.0	28.2	42.4		





#57

1,3-Dichloropropane

Concen: 47.698 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 76 Resp: 285548

Ion Ratio Lower Upper

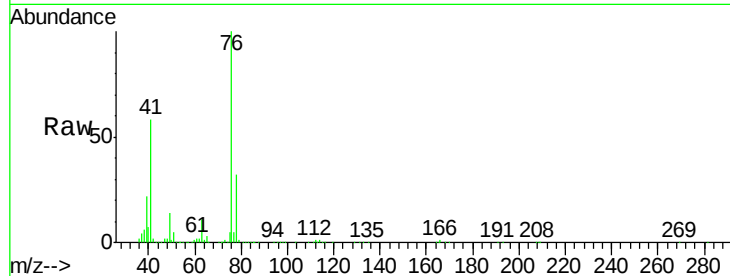
76 100

78 32.1 25.9 38.9

Manual Integrations
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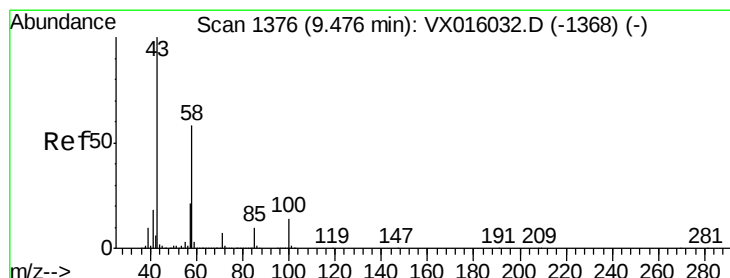
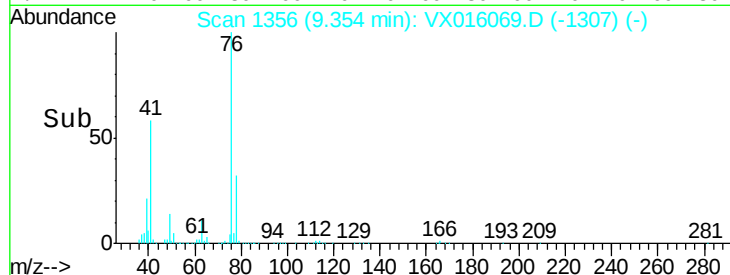
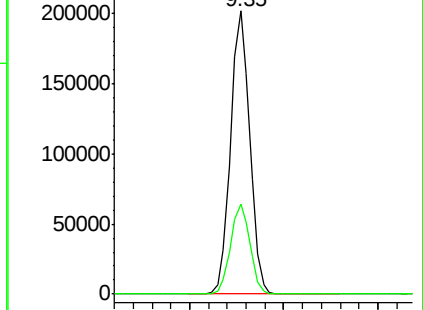
MMDadoda

5/6/2020 12:26:41 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 239.760 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX016069.D

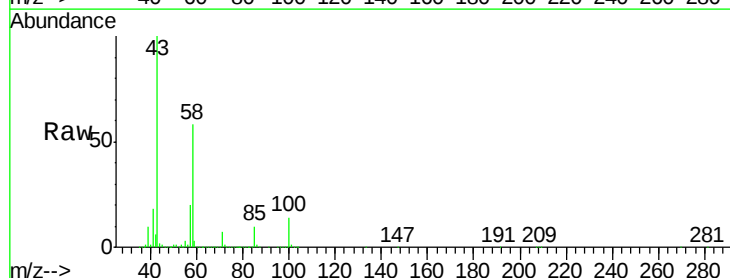
Acq: 05 May 2020 17:13

Tgt Ion: 43 Resp: 1018819

Ion Ratio Lower Upper

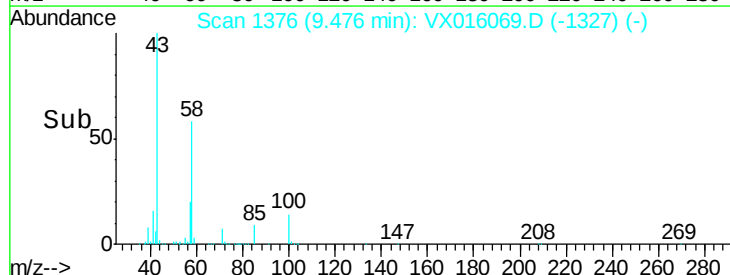
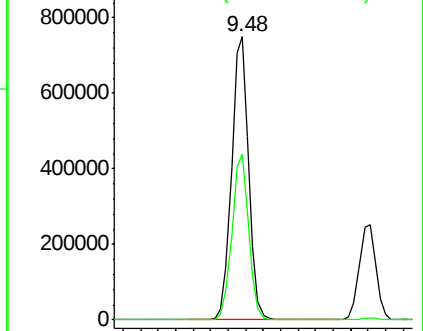
43 100

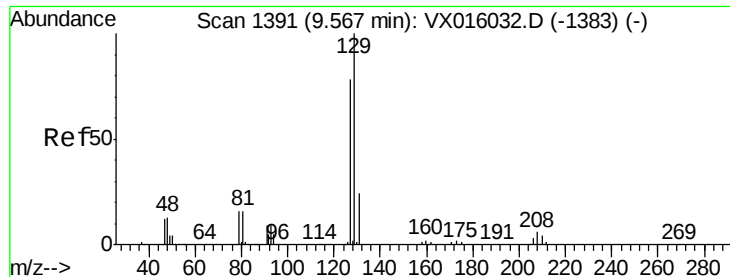
58 57.8 28.6 85.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 48.868 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:129 Resp: 184655

Ion Ratio Lower Upper

129 100

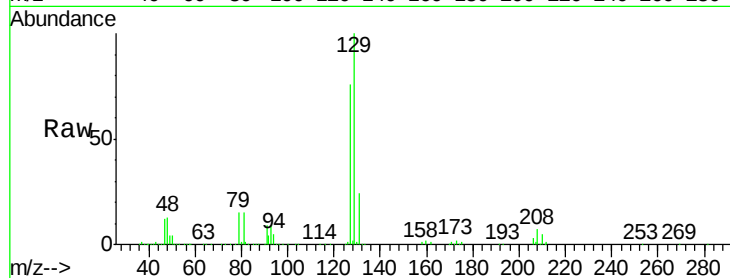
127 76.2 38.4 115.2

Manual Integrations

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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

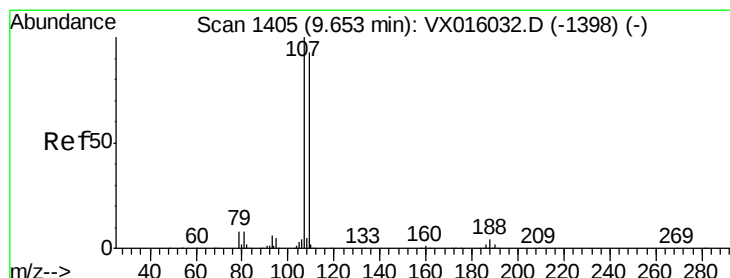
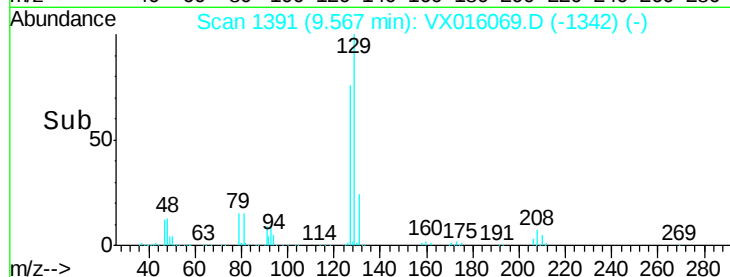
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 47.517 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016069.D

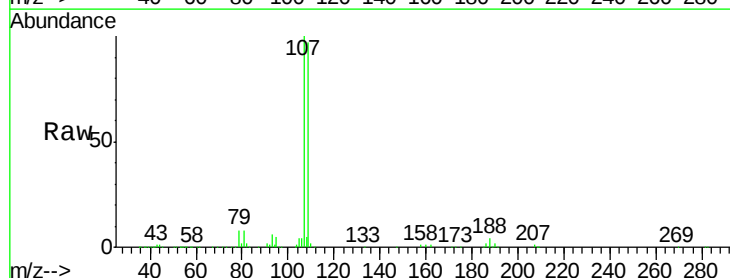
Acq: 05 May 2020 17:13

Tgt Ion:107 Resp: 176586

Ion Ratio Lower Upper

107 100

109 95.3 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

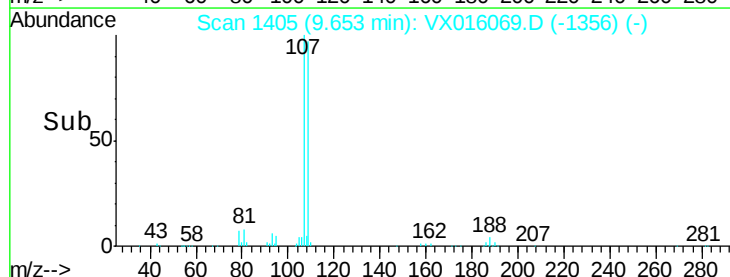
9.65

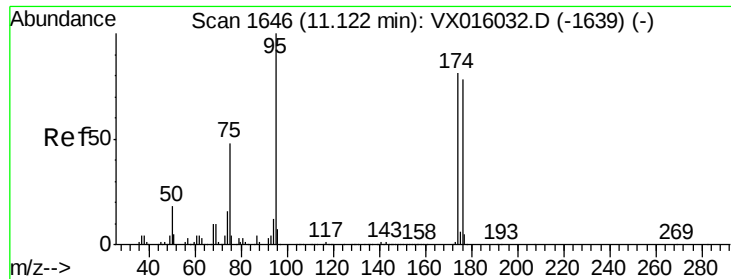
100000

50000

0

Time-->





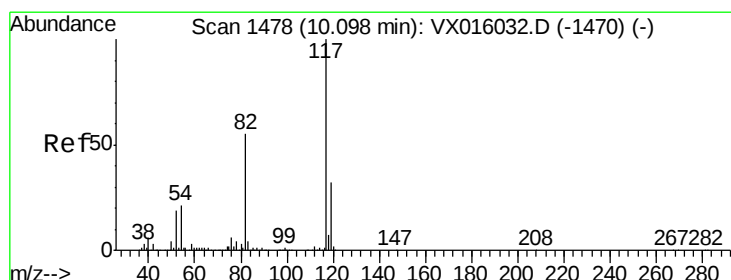
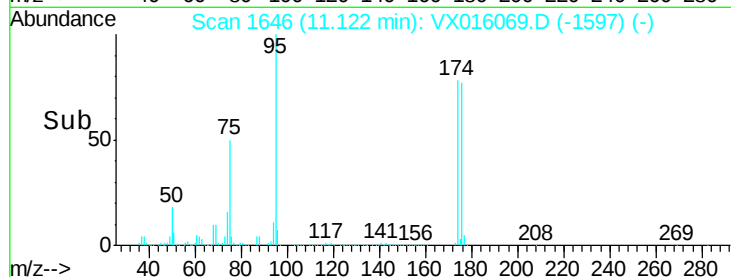
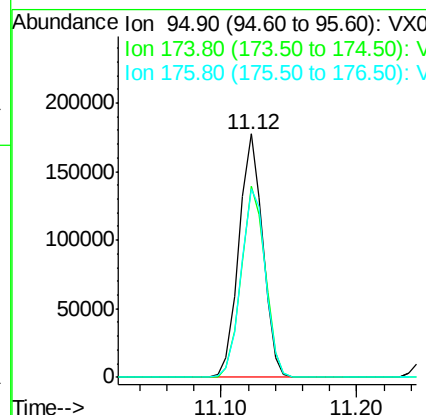
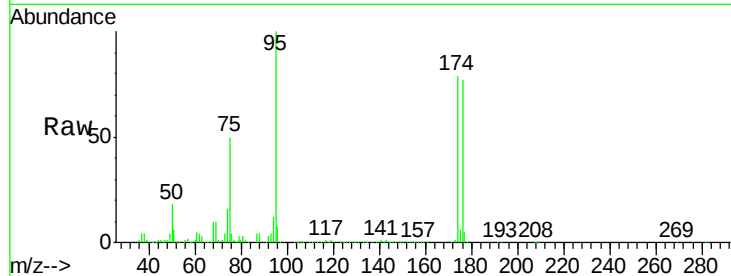
#62
4-Bromofluorobenzene
Concen: 47.914 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	216093		
174	79.4	0.0	159.4	
176	79.3	0.0	157.6	

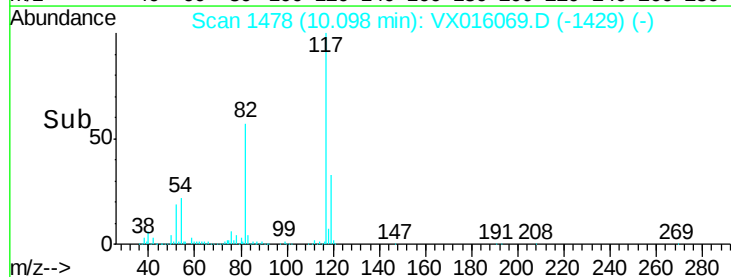
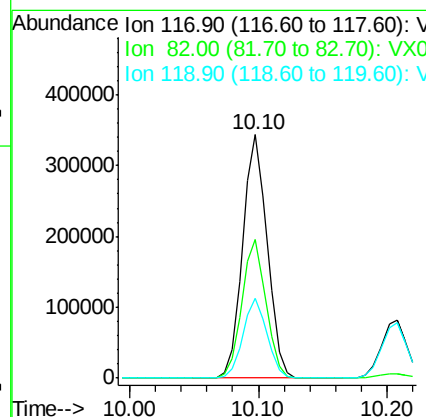
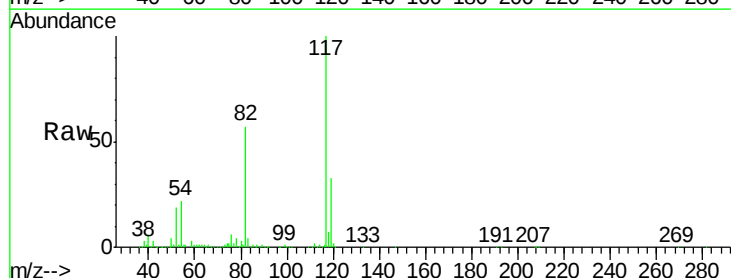
Manual Integrations
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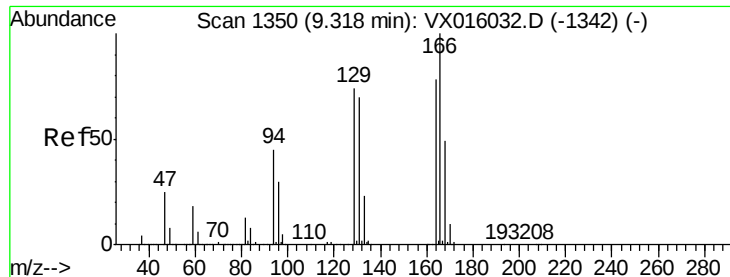
MMDadoda
5/6/2020 12:26:41 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	452351		
82	57.1	44.4	66.6	
119	32.6	25.5	38.3	





#64

Tetrachloroethene

Concen: 45.148 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:164 Resp: 250715

Ion Ratio Lower Upper

164 100

166 126.3 102.9 154.3

129 90.0 76.1 114.1

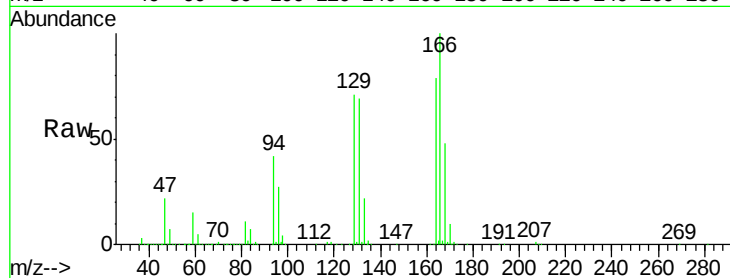
131 87.2 71.9 107.9

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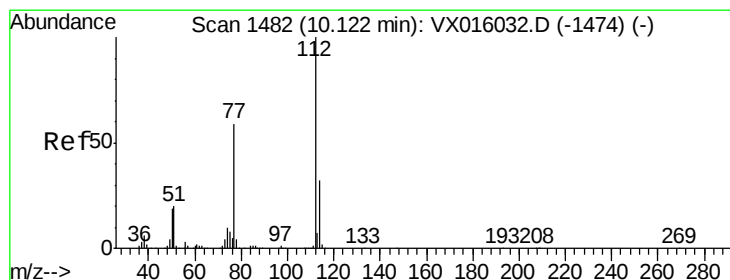
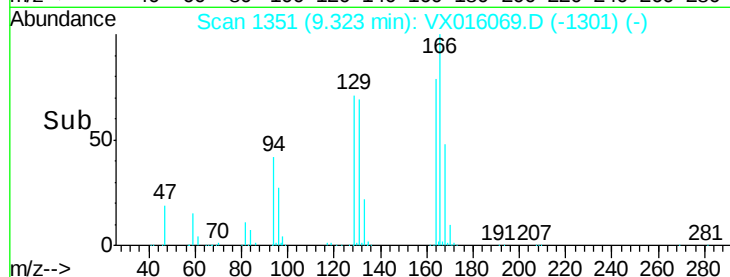
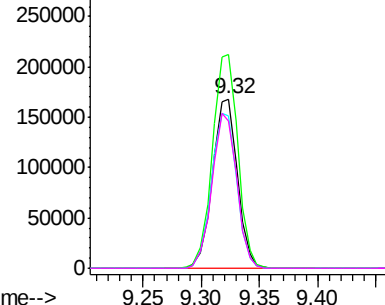


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 46.404 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016069.D

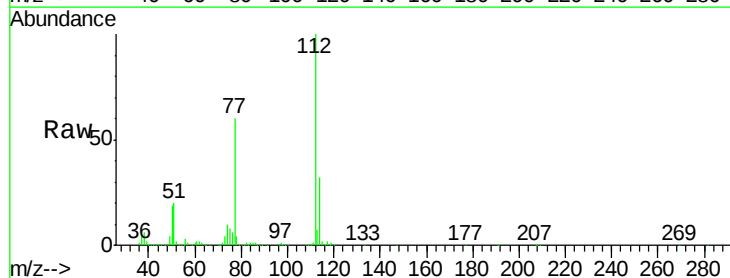
Acq: 05 May 2020 17:13

Tgt Ion:112 Resp: 439527

Ion Ratio Lower Upper

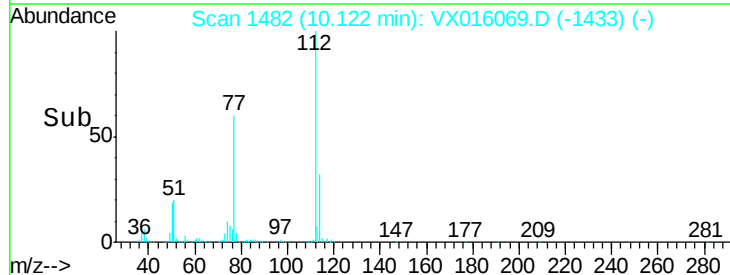
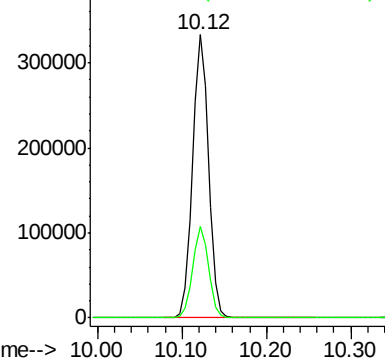
112 100

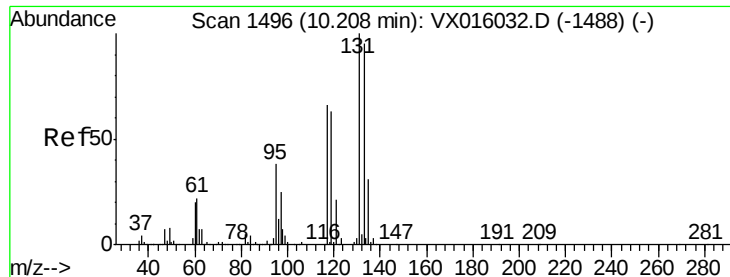
114 32.1 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 47.354 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

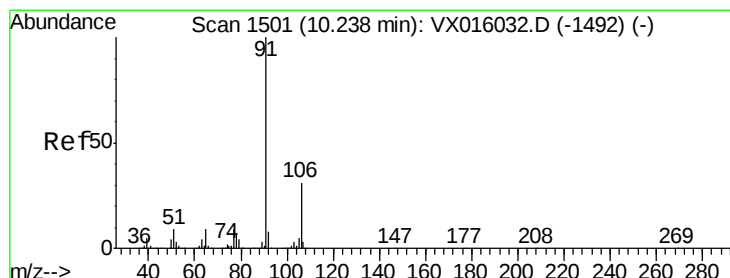
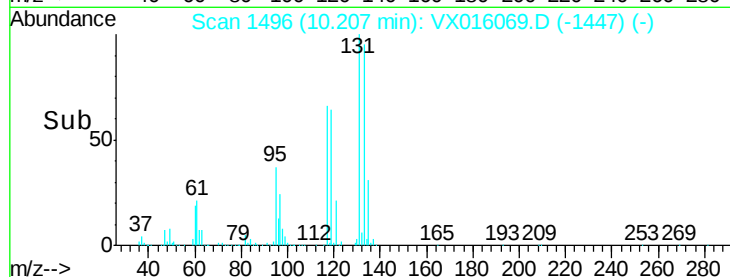
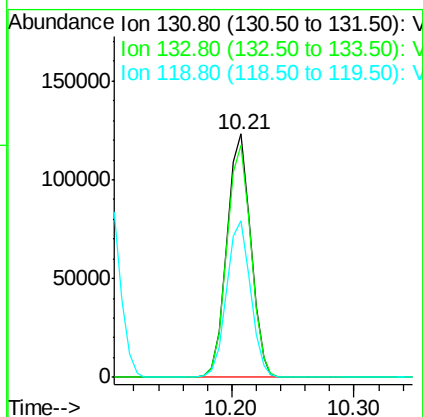
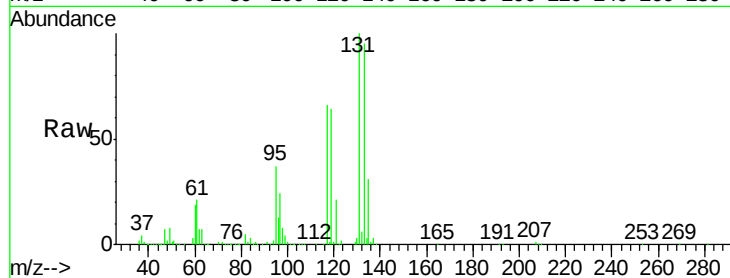
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:	131	Resp:	165779
Ion Ratio	Lower	Upper	
131	100		
133	96.3	48.3	144.8
119	64.3	32.3	96.9

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#67

Ethyl Benzene

Concen: 46.872 ug/l

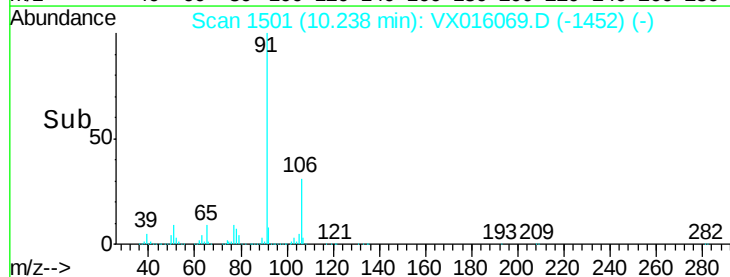
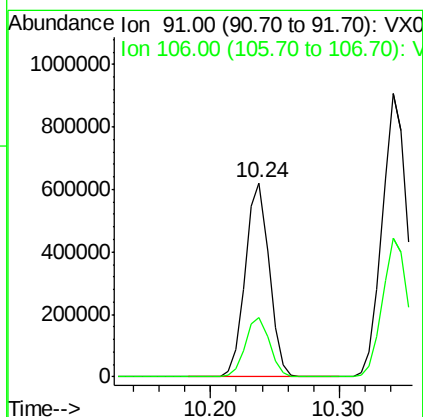
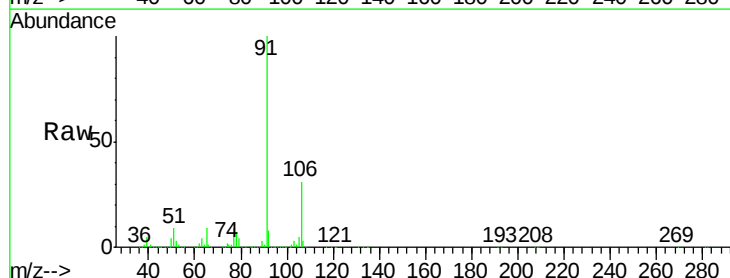
RT: 10.24 min Scan# 1501

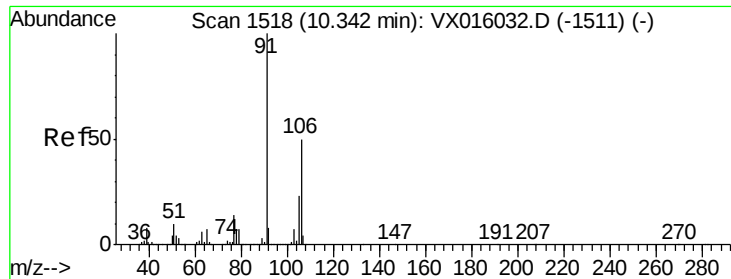
Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion:	91	Resp:	792141
Ion Ratio	Lower	Upper	
91	100		
106	30.6	25.1	37.7





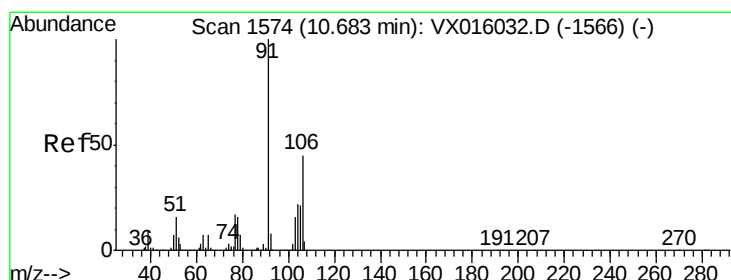
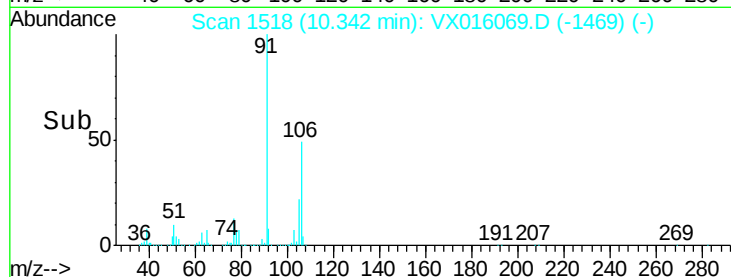
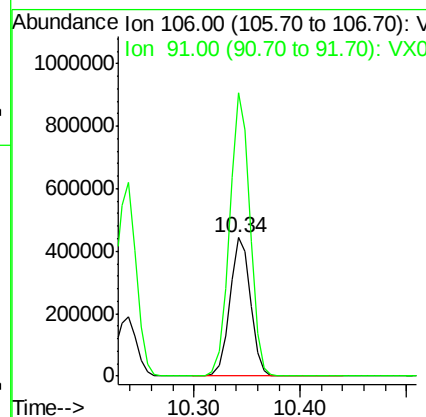
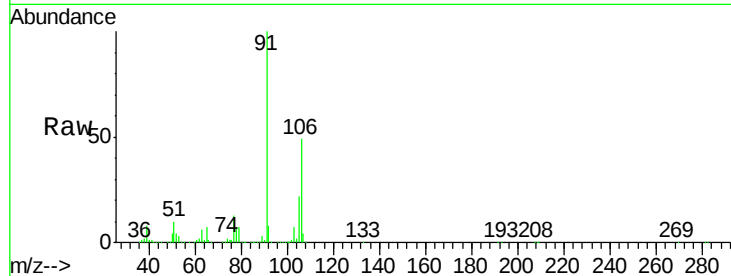
#68
m/p-Xylenes
Concen: 94.567 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampled :
SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.2	161.7	242.5

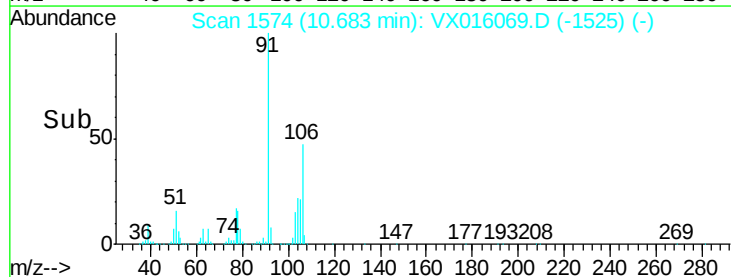
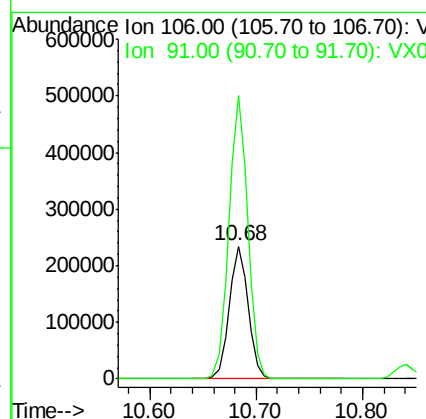
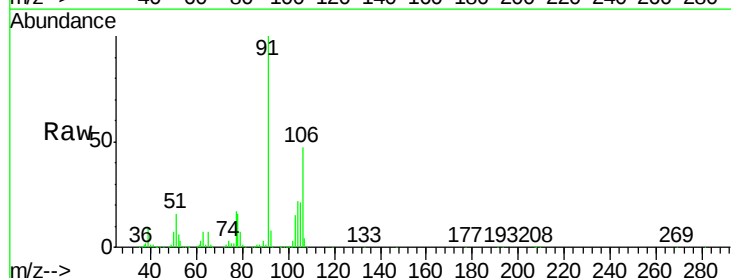
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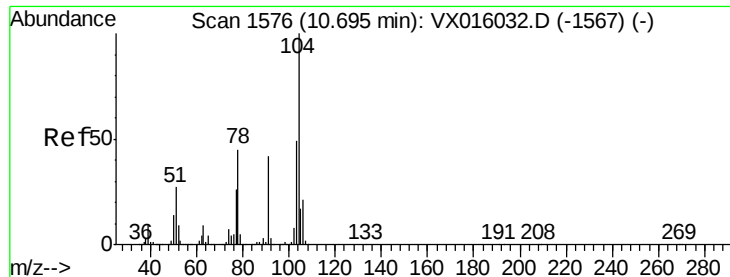
MMDadoda
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#69
o-Xylene
Concen: 47.711 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.1	107.5	322.6





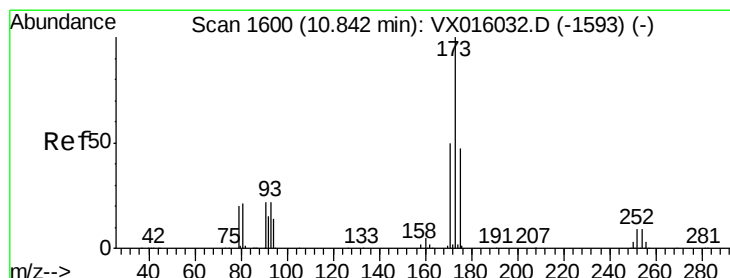
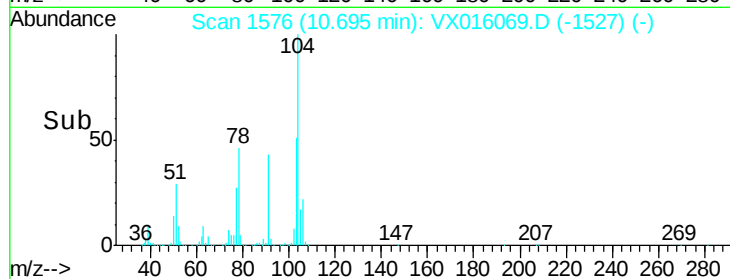
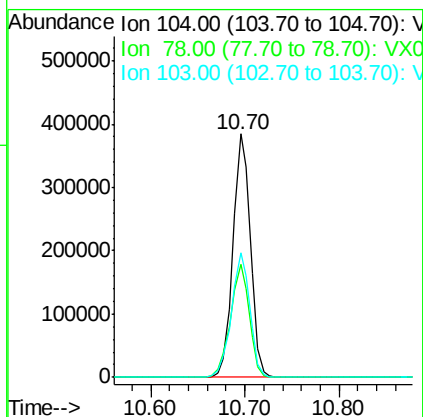
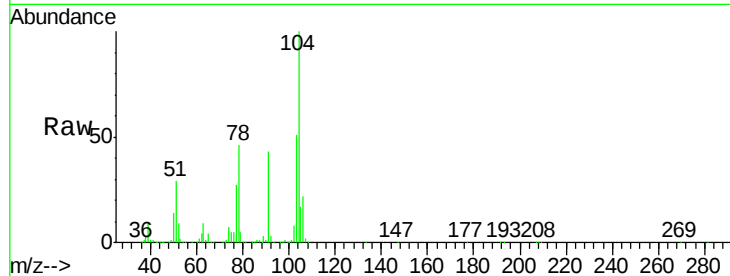
#70
Stvrene
Concen: 47.651 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	492026		
78	50.4		40.2	60.2
103	54.3		43.0	64.6

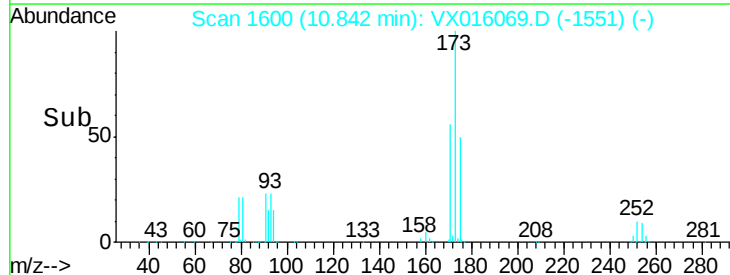
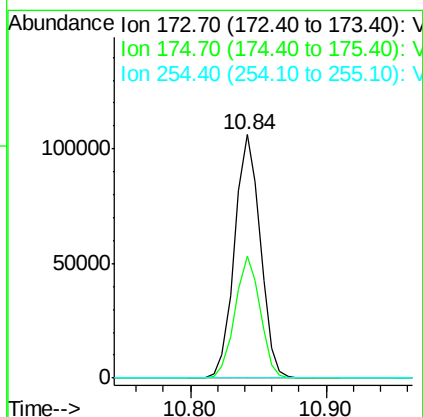
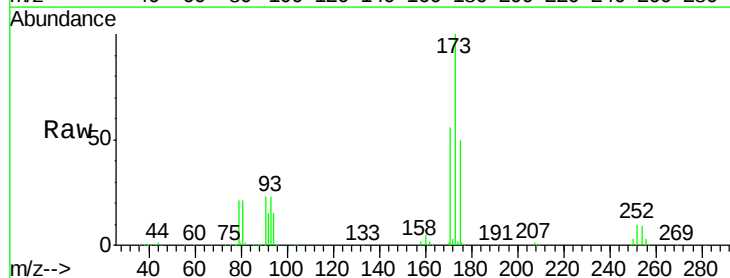
Manual Integrations
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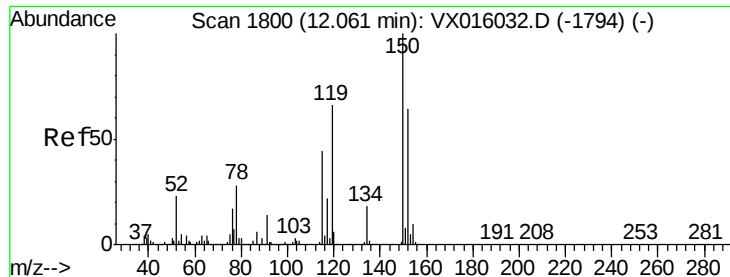
MMDadoda
5/6/2020 12:26:41 PM



#71
Bromoform
Concen: 48.935 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	139574		
175	49.2		24.0	72.0
254	0.2		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

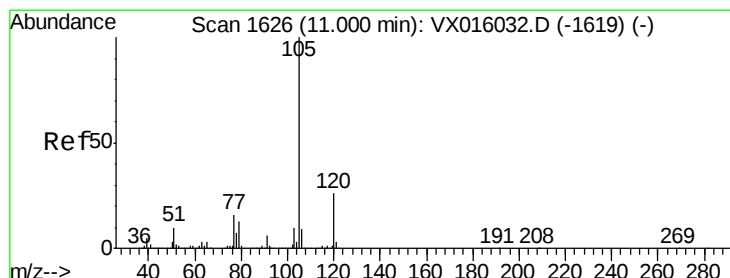
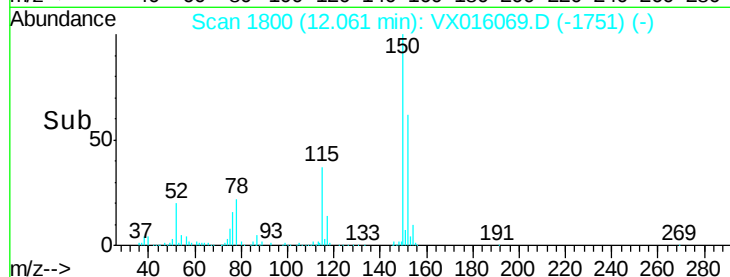
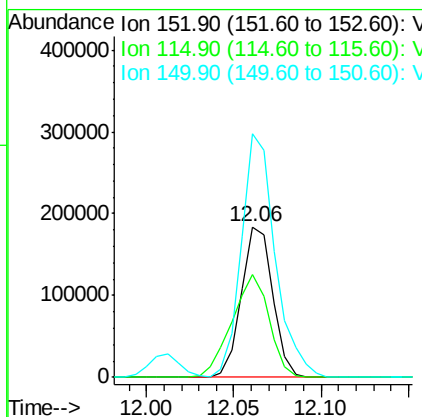
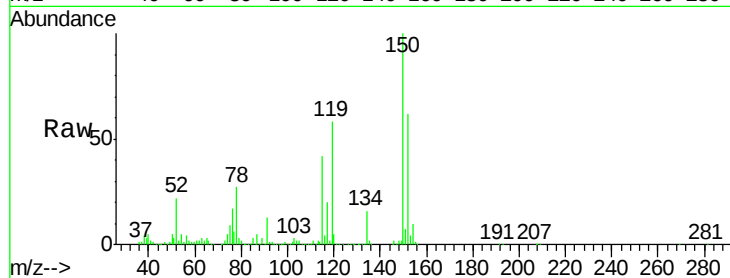
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:	152	Resp:	229751
Ion Ratio	Lower	Upper	
152	100		
115	80.9	41.3	124.1
150	173.9	0.0	352.2

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#73

Isopropylbenzene

Concen: 46.235 ug/l

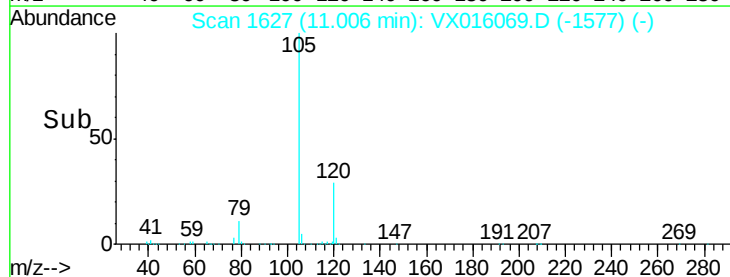
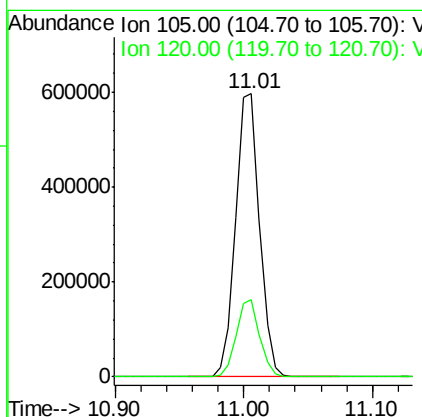
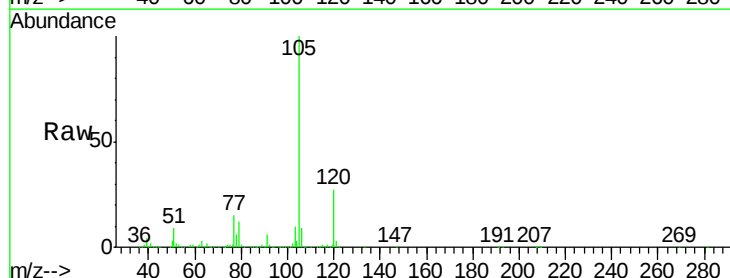
RT: 11.01 min Scan# 1627

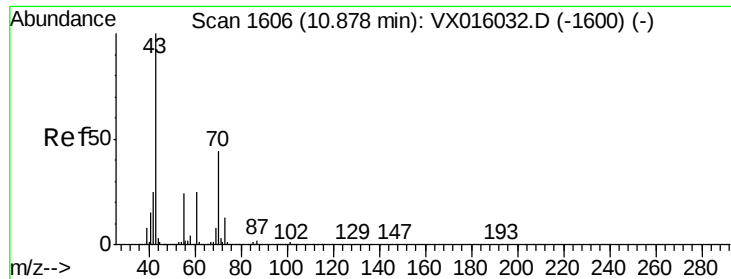
Delta R.T. 0.01 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion:	105	Resp:	772621
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.4	40.2





#74

N-amvl acetate

Concen: 42.381 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

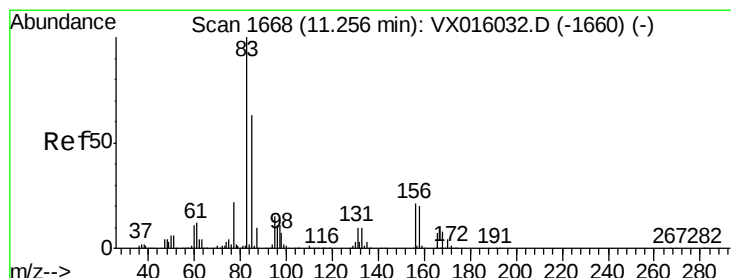
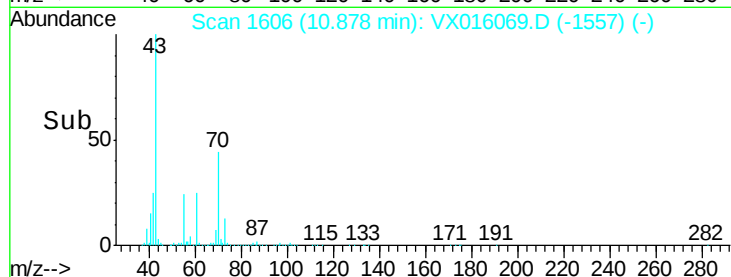
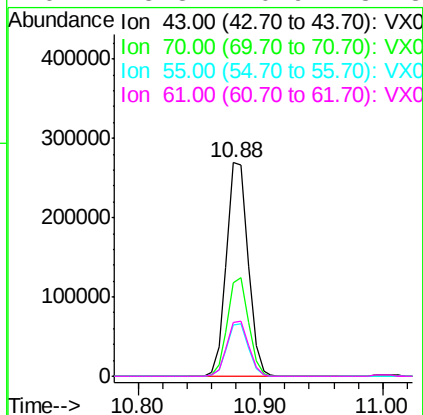
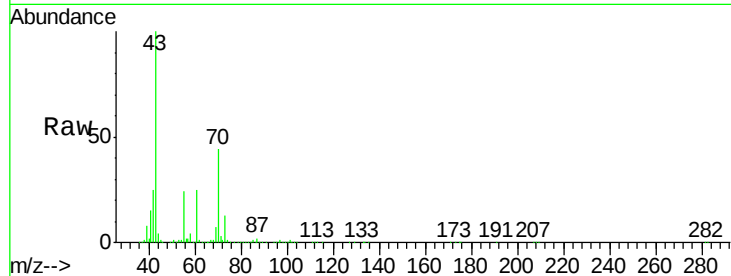
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	45.2	36.5	54.7	
55	24.7	19.7	29.5	
61	25.8	20.9	31.3	

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.544 ug/l

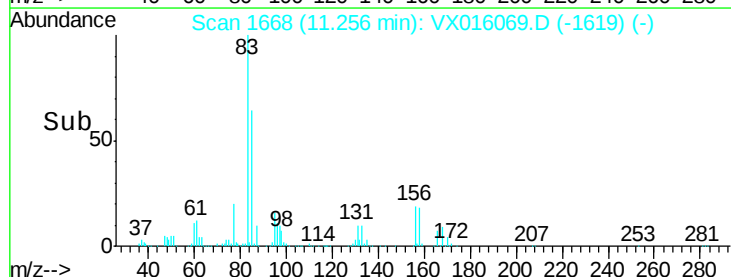
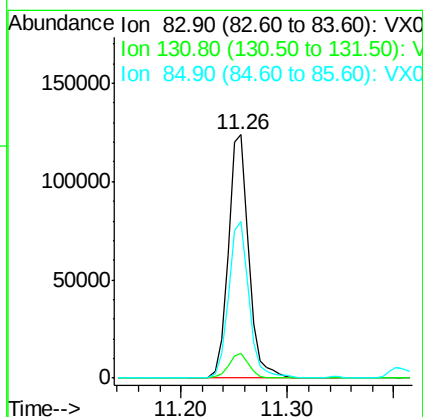
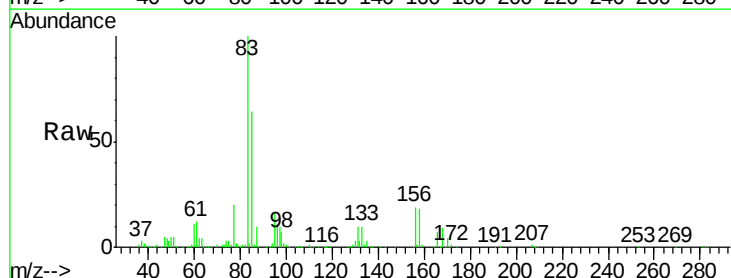
RT: 11.26 min Scan# 1668

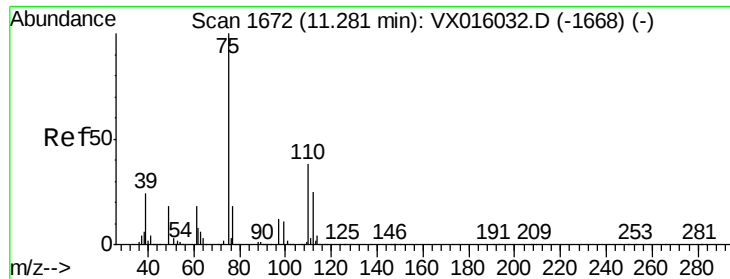
Delta R.T. 0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.2	5.1	15.4	
85	64.6	32.0	96.0	





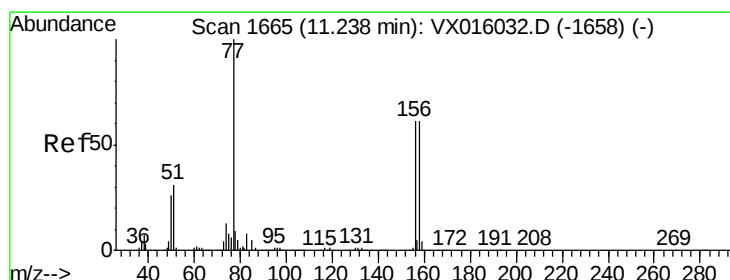
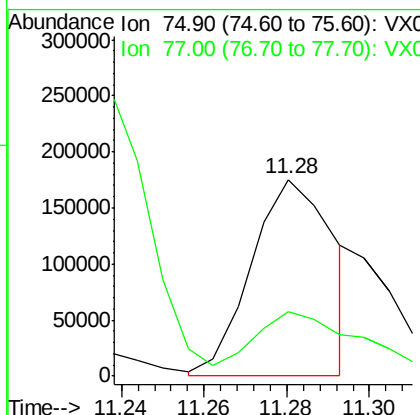
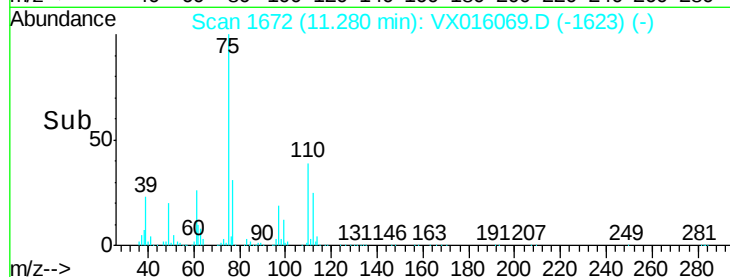
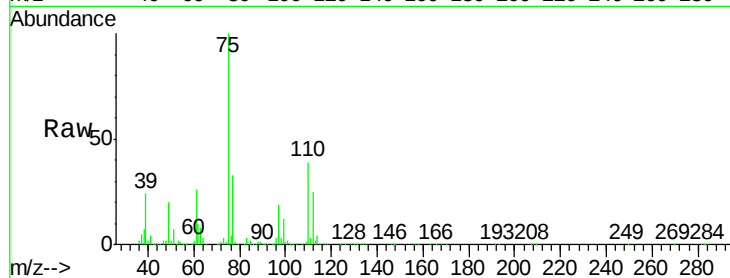
#76
1,2,3-Trichloropropane
Concen: 46.247 ug/l m
RT: 11.28 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion: 75 Resp: 241112
Ion Ratio Lower Upper
75 100
77 43.0 21.2 63.6

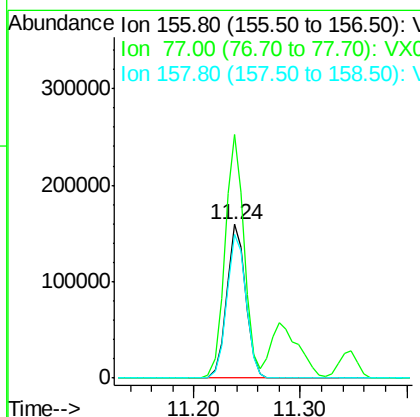
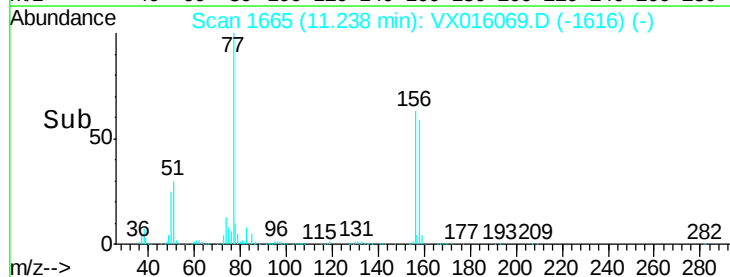
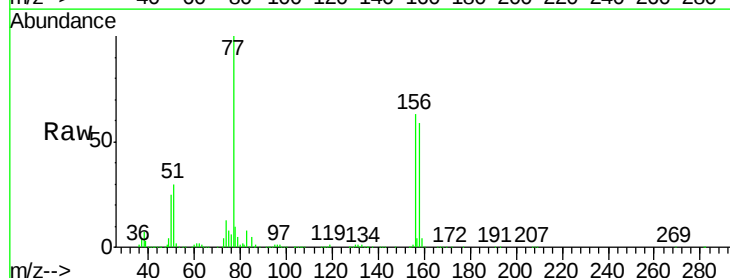
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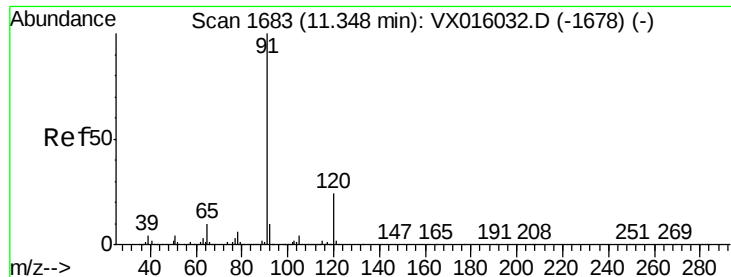
MMDadoda
5/6/2020 12:26:41 PM



#77
Bromobenzene
Concen: 45.899 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion: 156 Resp: 197975
Ion Ratio Lower Upper
156 100
77 159.2 80.1 240.3
158 95.8 49.4 148.2





#78

n-propylbenzene

Concen: 45.726 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion: 91 Resp: 888925

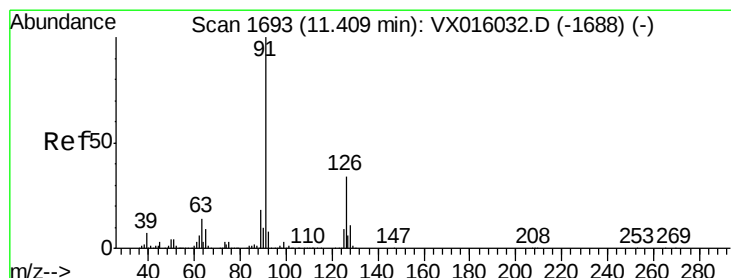
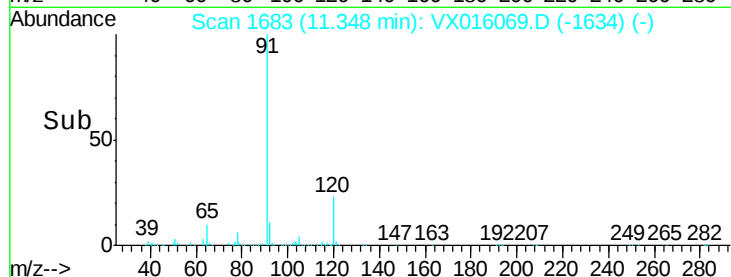
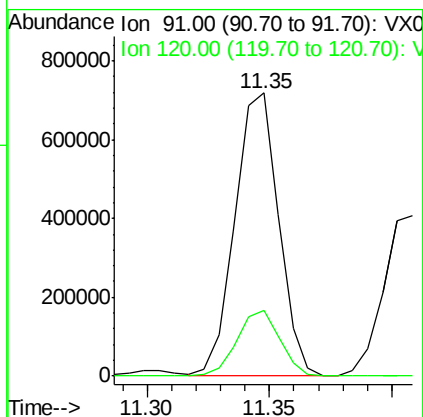
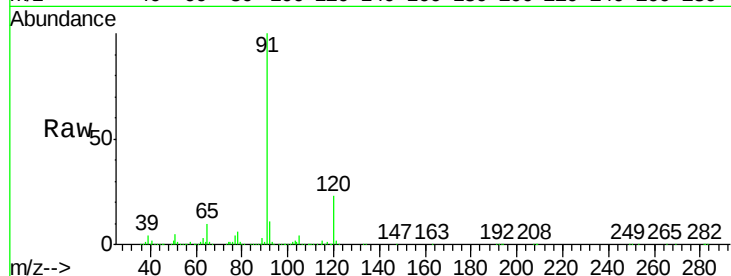
Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5

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MMDadoda
5/6/2020 12:26:41 PM



#79

2-Chlorotoluene

Concen: 45.837 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VX016069.D

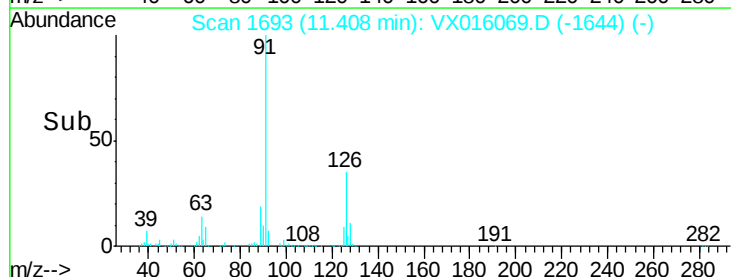
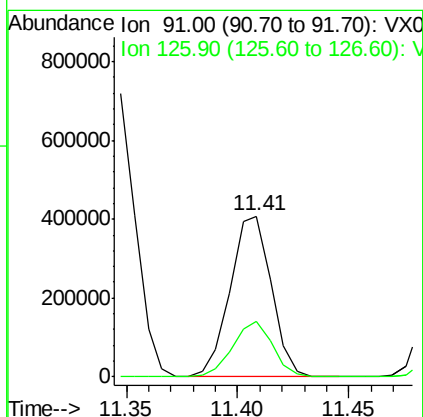
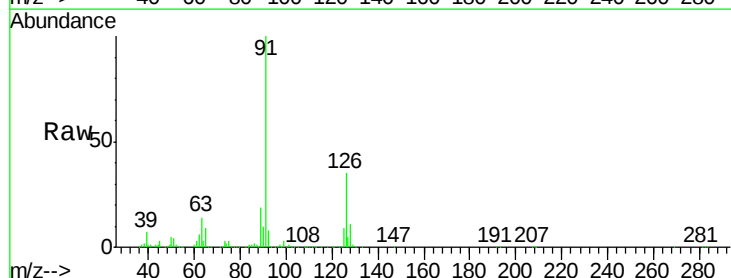
Acq: 05 May 2020 17:13

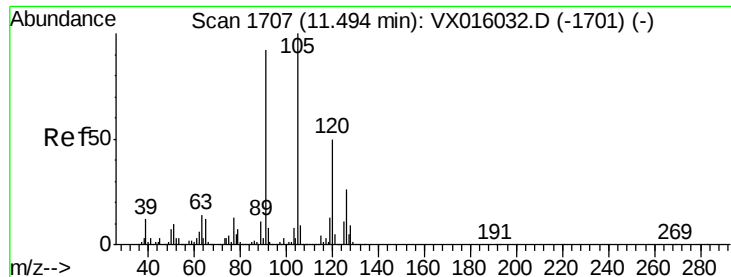
Tgt Ion: 91 Resp: 525988

Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.6





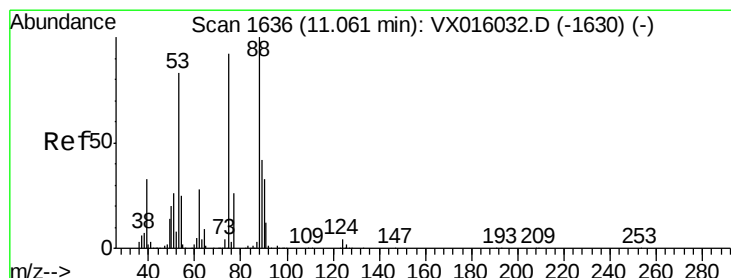
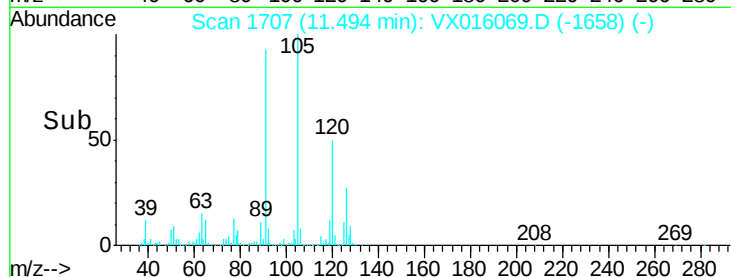
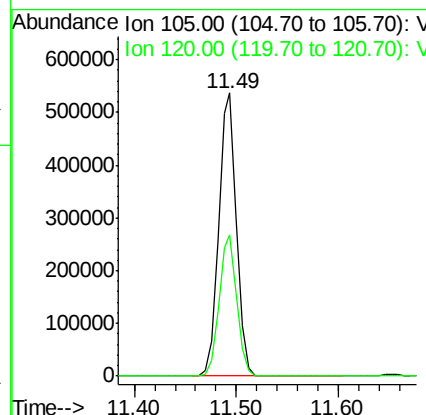
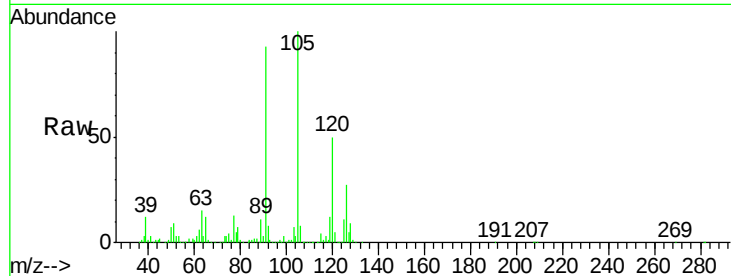
#80
 1,3,5-Trimethylbenzene
 Concen: 46.392 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	654565		
120	49.6	24.6	74.0	

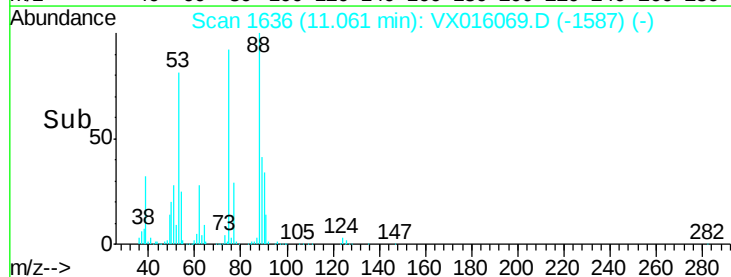
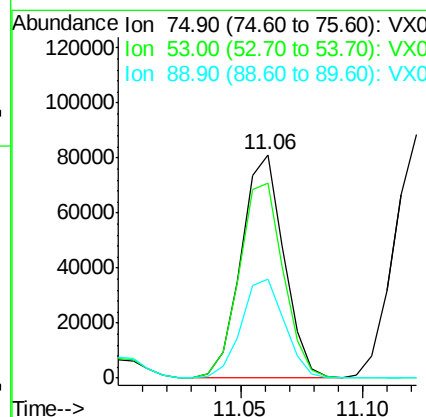
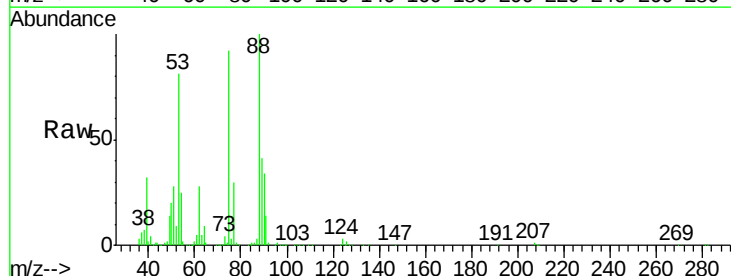
Manual Integrations
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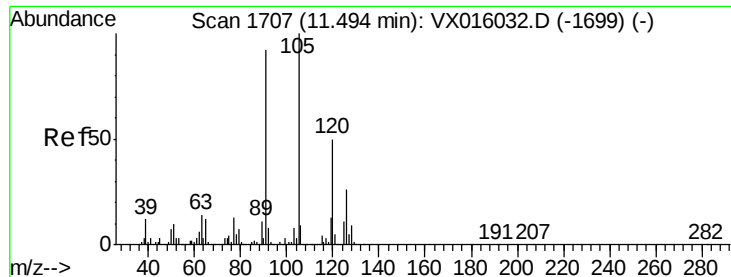
MMDadoda
 5/6/2020 12:26:41 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.816 ug/l
 RT: 11.06 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98046		
53	90.9	73.1	109.7	
89	45.3	36.7	55.1	





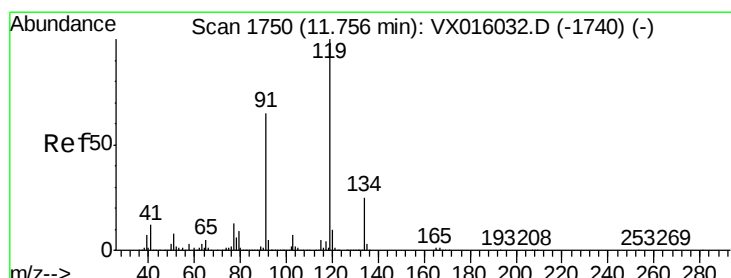
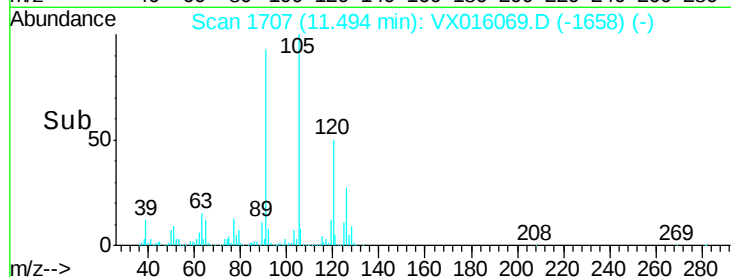
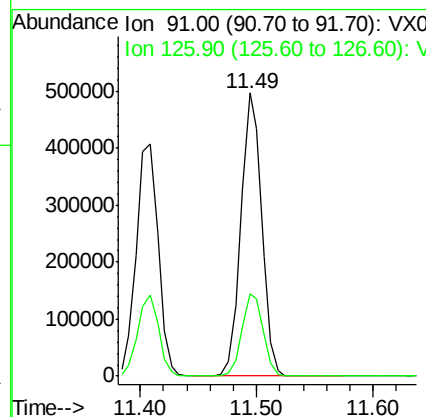
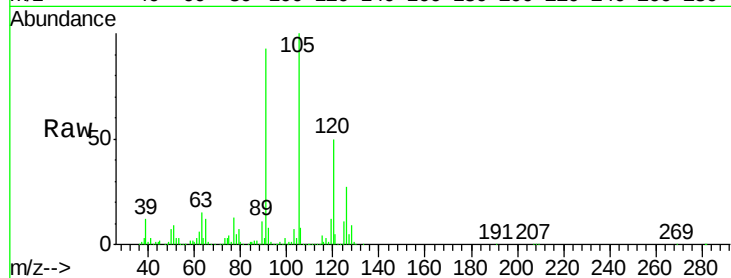
#82
4-Chlorotoluene
Concen: 45.709 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	619386		
126	29.6	14.8	44.3	

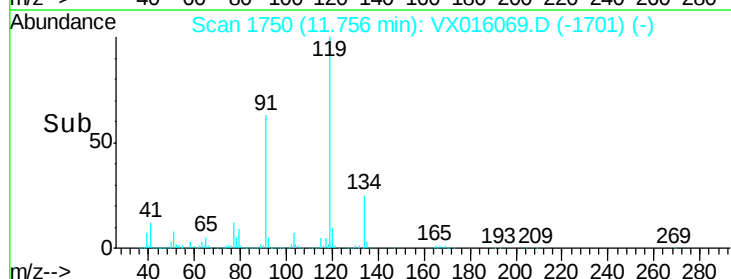
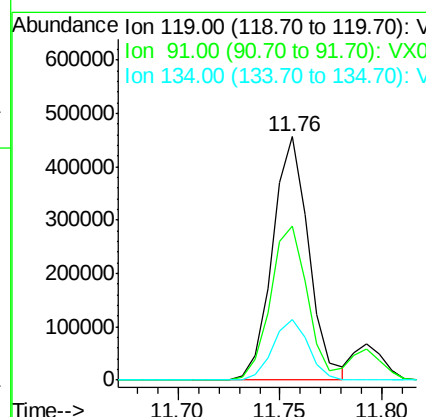
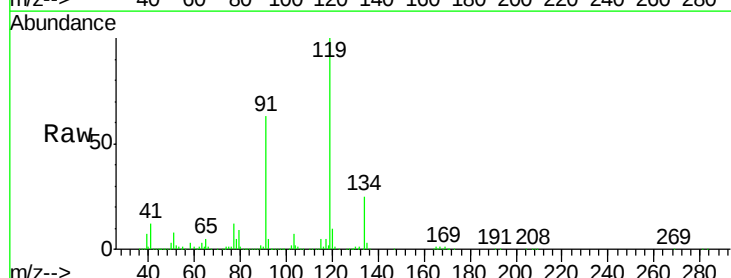
Manual Integrations
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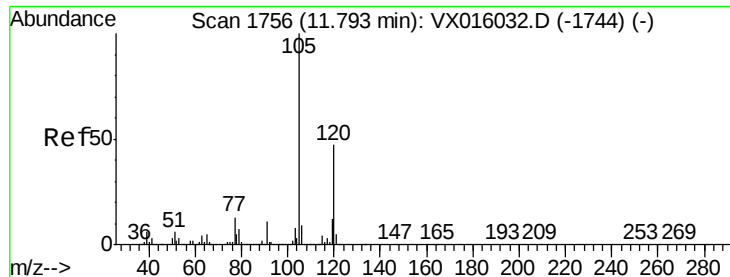
MMDadoda
5/6/2020 12:26:41 PM



#83
tert-Butylbenzene
Concen: 46.319 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	563212		
91	64.5	32.8	98.4	
134	24.7	12.4	37.0	





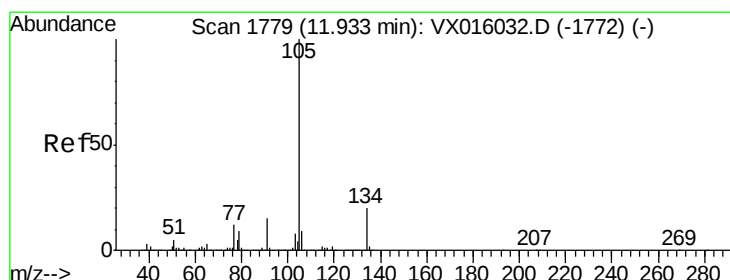
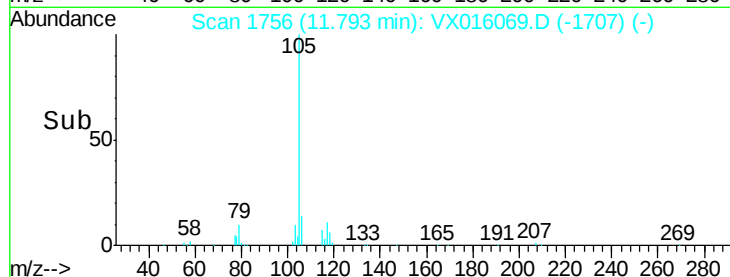
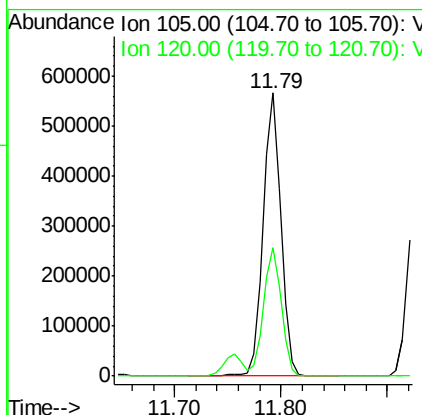
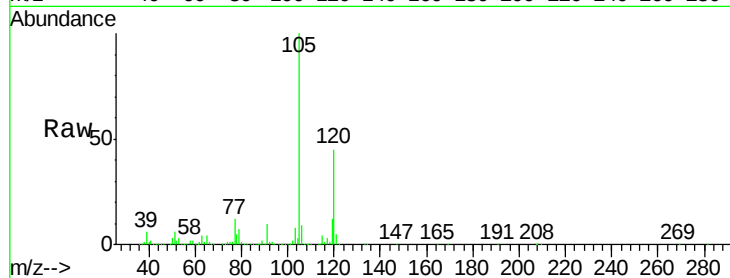
#84
1,2,4-Trimethylbenzene
Concen: 46.443 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.0	69.0

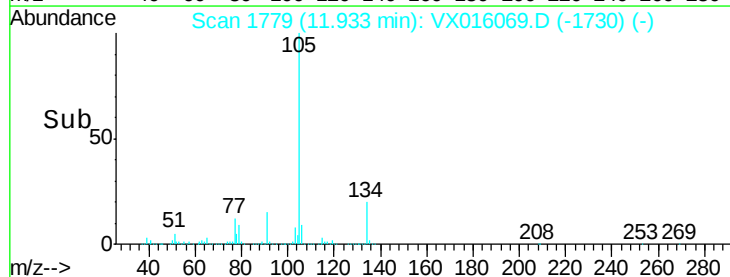
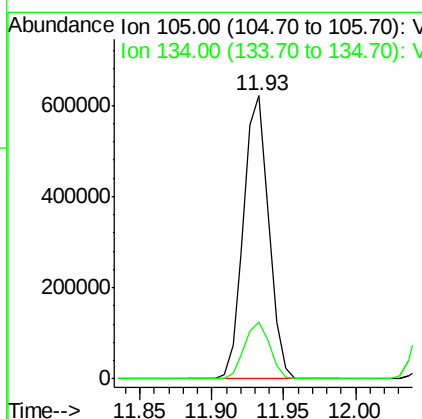
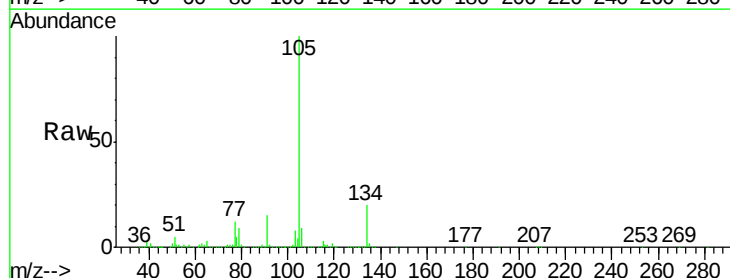
Manual Integrations
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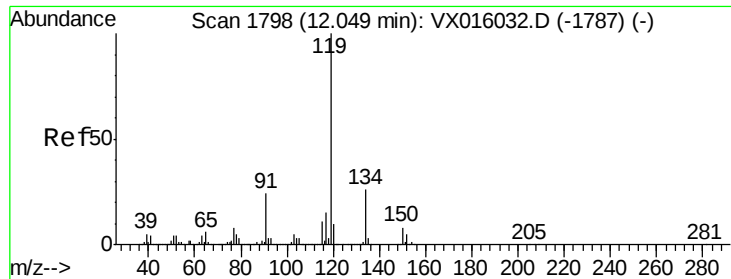
MMDadoda
5/6/2020 12:26:41 PM



#85
sec-Butylbenzene
Concen: 45.913 ug/l
RT: 11.93 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VX016069.D
Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3





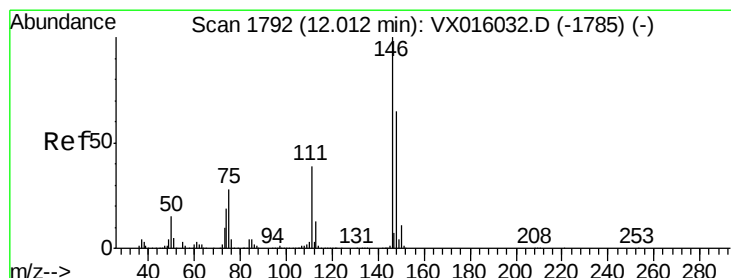
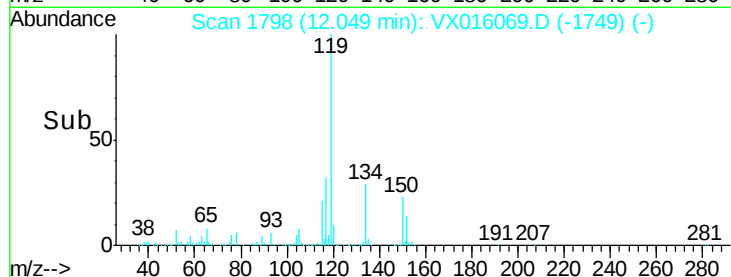
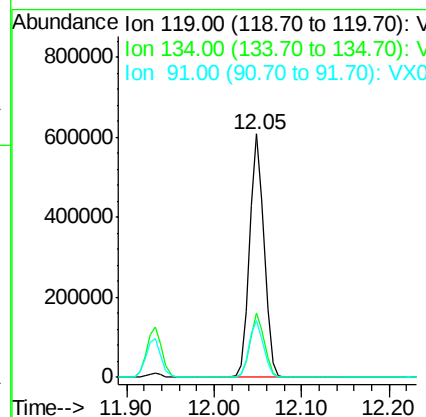
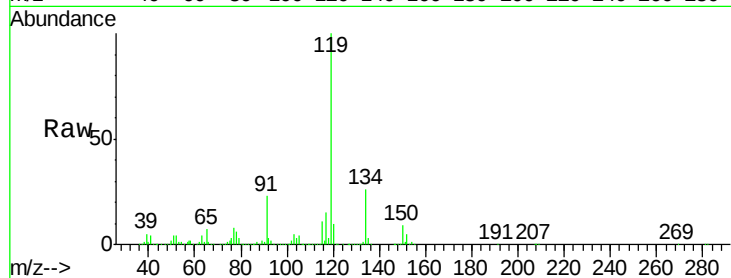
#86
 p-Isopropyltoluene
 Concen: 45.738 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion:	119	Resp:	697169
Ion Ratio	Lower	Upper	
119	100		
134	25.9	13.1	39.3
91	23.5	11.8	35.4

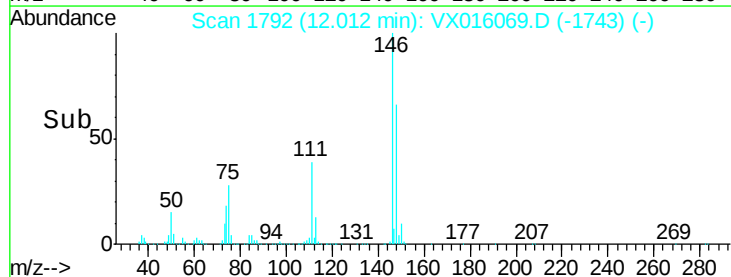
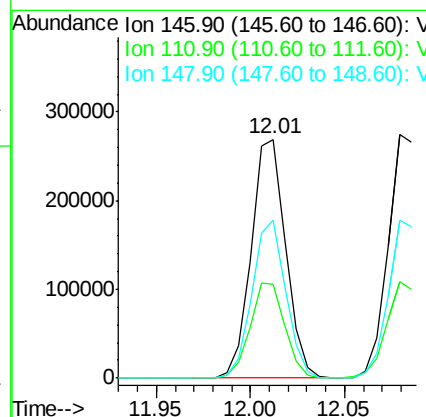
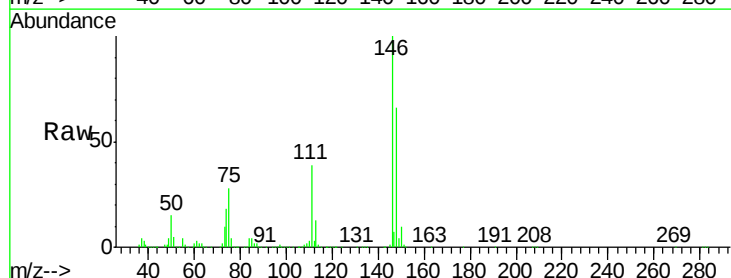
Manual Integrations
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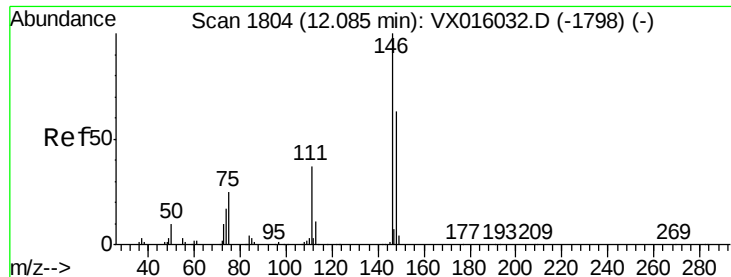
MMDadoda
 5/6/2020 12:26:41 PM



#87
 1,3-Dichlorobenzene
 Concen: 44.103 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion:	146	Resp:	341563
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.2	60.6
148	64.7	32.1	96.3





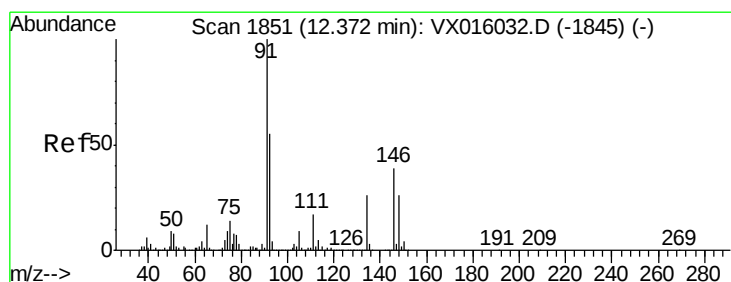
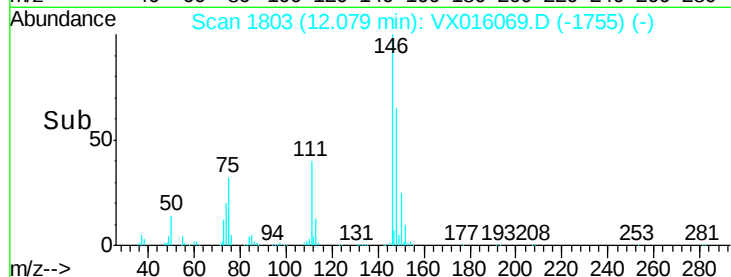
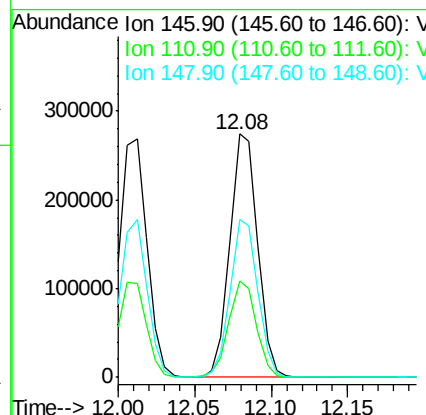
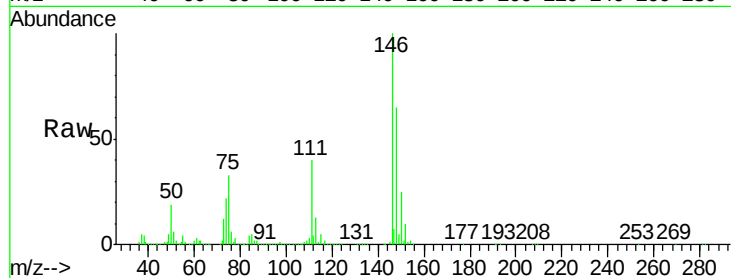
#88
 1,4-Dichlorobenzene
 Concen: 43.829 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	344525		
111	39.8	19.6	58.7	
148	64.7	31.8	95.3	

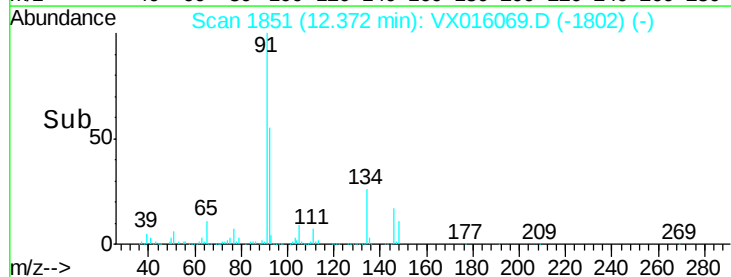
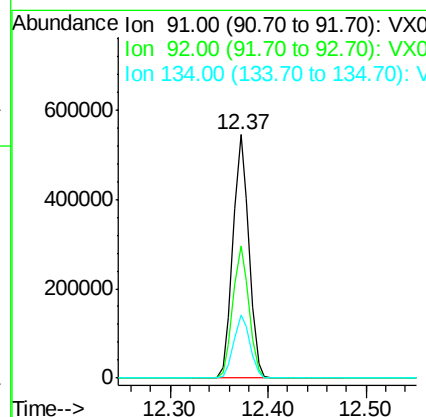
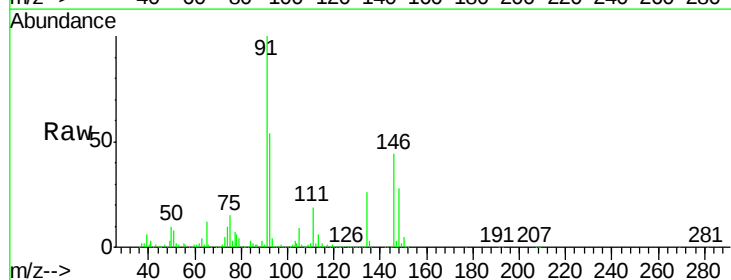
Manual Integrations
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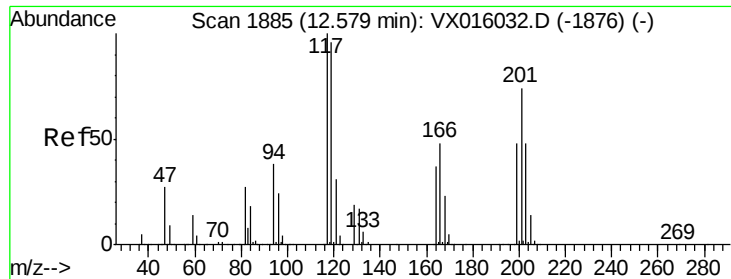
MMDadoda
 5/6/2020 12:26:41 PM



#89
 n-Butylbenzene
 Concen: 44.234 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	615956		
92	54.9	27.6	82.7	
134	26.4	13.4	40.1	





#90

Hexachloroethane

Concen: 47.470 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:117 Resp: 124266

Ion Ratio Lower Upper

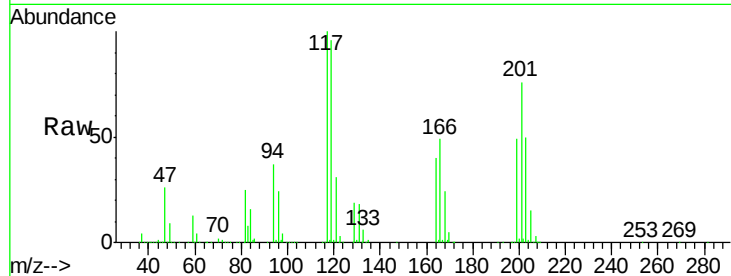
117 100

201 82.1 39.8 119.3

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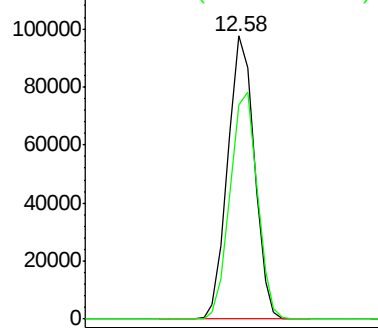
MMDadoda

5/6/2020 12:26:41 PM

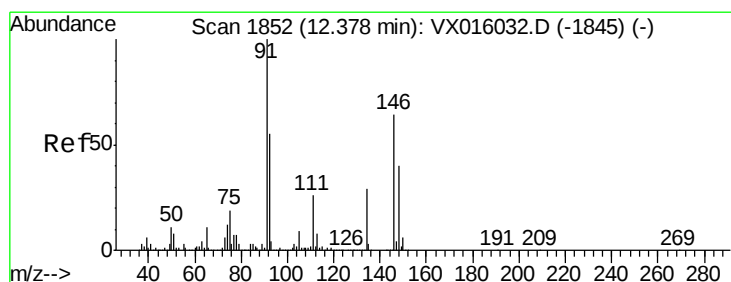
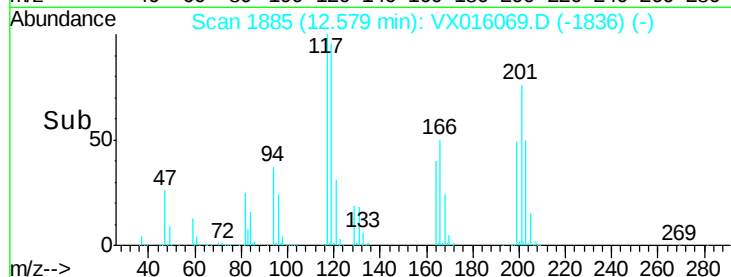


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->



#91

1,2-Dichlorobenzene

Concen: 45.380 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

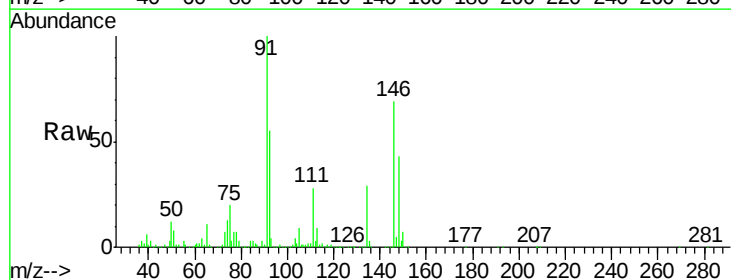
Tgt Ion:146 Resp: 338415

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.1

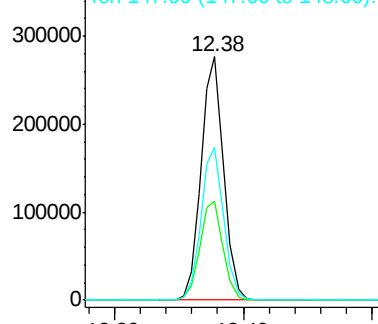
148 63.1 32.4 97.0



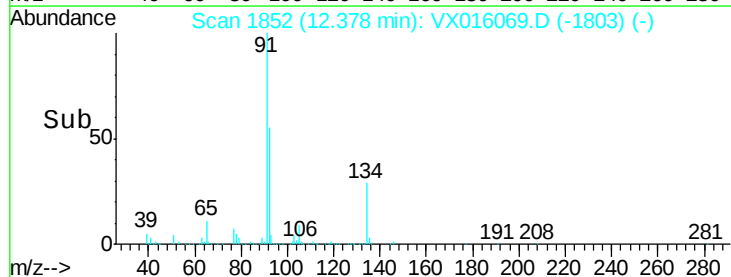
Abundance Ion 145.90 (145.60 to 146.60): V

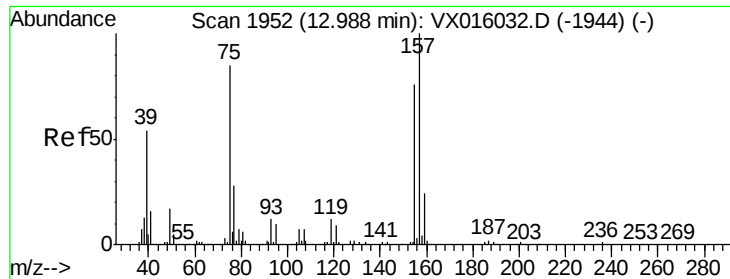
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->





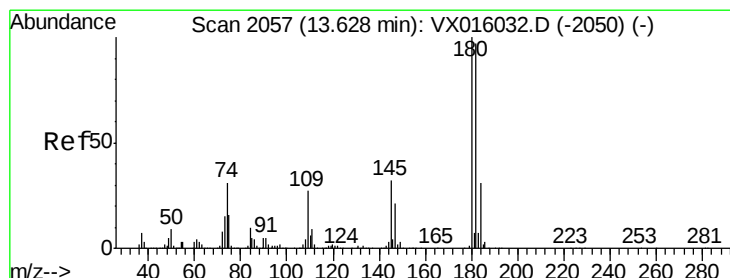
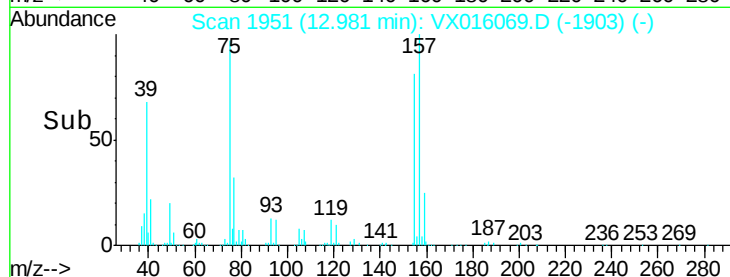
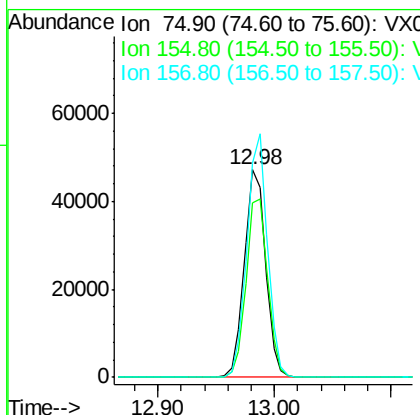
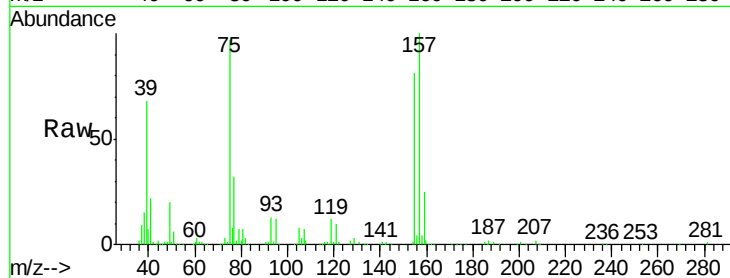
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.311 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	86.6	42.5	127.5
157	112.6	55.3	165.8

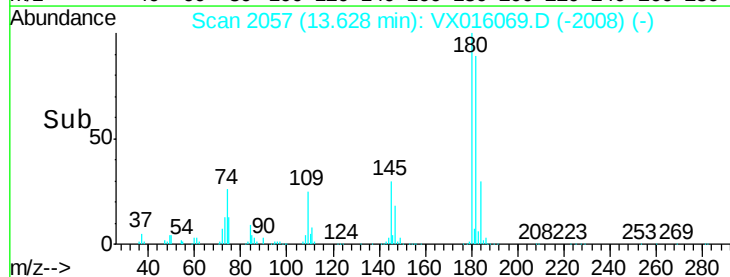
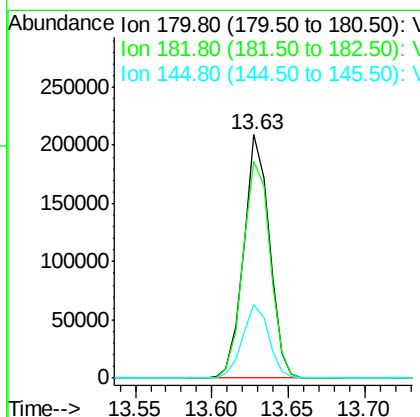
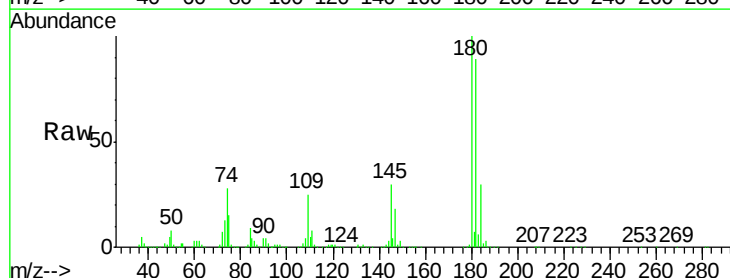
Manual Integrations
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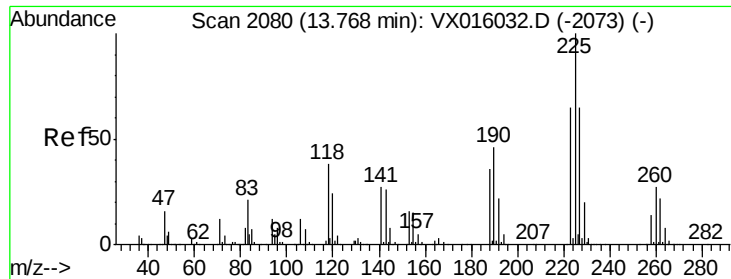
MMDadoda
 5/6/2020 12:26:41 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 44.065 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.7	146.1
145	31.1	15.7	47.1





#94

Hexachlorobutadiene

Concen: 44.962 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Instrument :

MSVOA_X

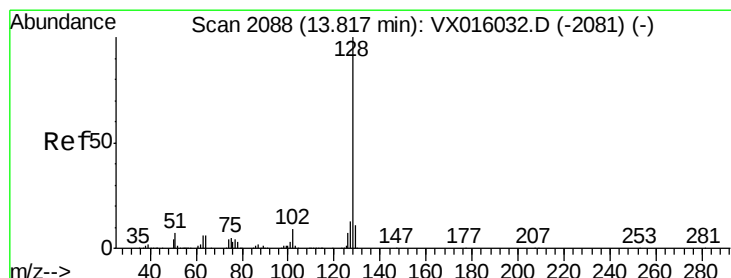
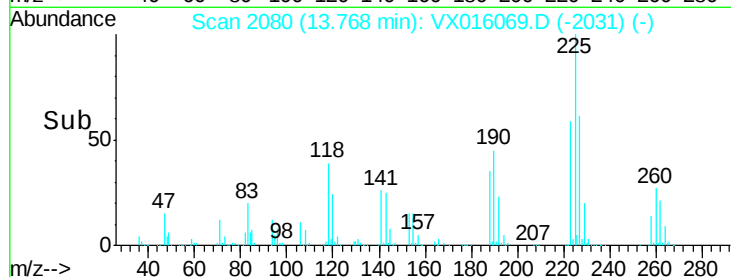
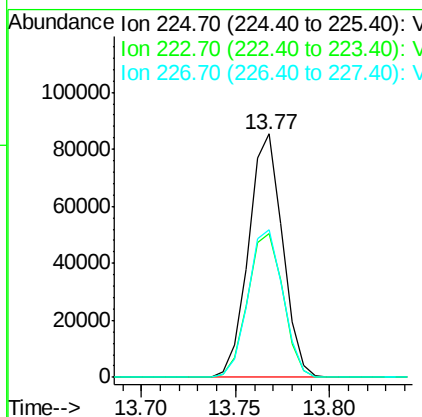
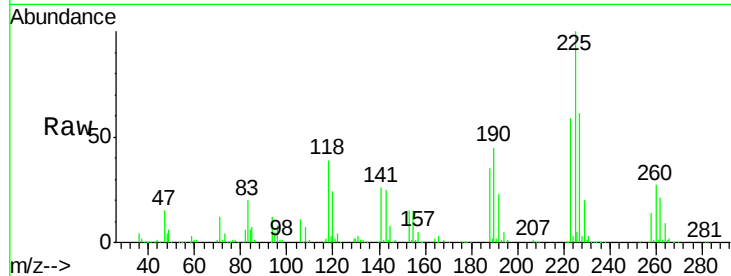
ClientSampleId :

SA-PZ148-20200428MS

Tot Ion:	225	Resp:	106766
Ion Ratio		Lower	Upper
225	100		
223	61.6	32.3	96.9
227	62.3	31.8	95.4

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#95

Naphthalene

Concen: 45.227 ug/l

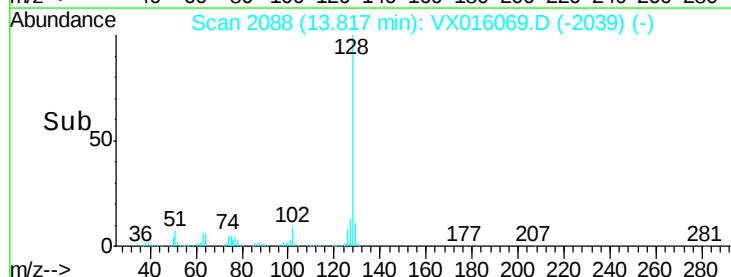
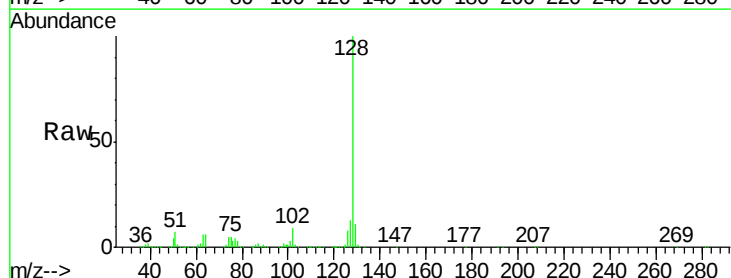
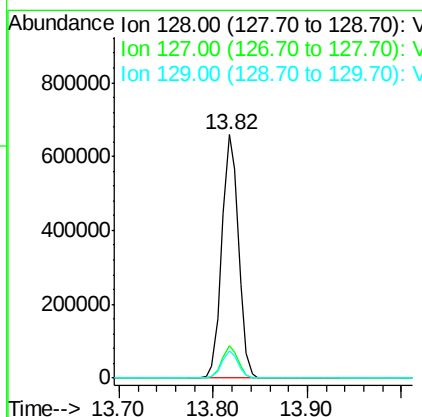
RT: 13.82 min Scan# 2088

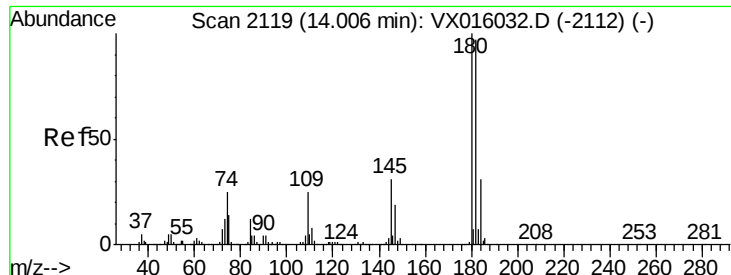
Delta R.T. -0.00 min

Lab File: VX016069.D

Acq: 05 May 2020 17:13

Tgt Ion:	128	Resp:	808556
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1





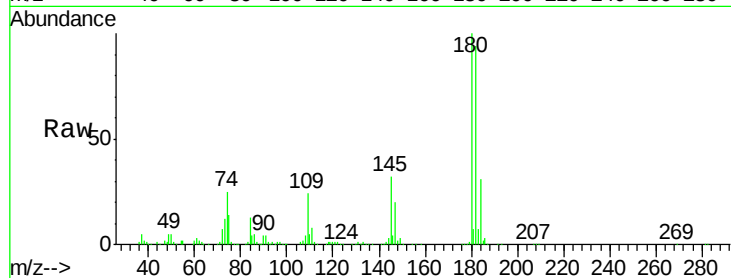
#96
 1,2,3-Trichlorobenzene
 Concen: 44.626 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016069.D
 Acq: 05 May 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ148-20200428MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240797		
182	94.0		48.4	145.0
145	32.4		16.4	49.1

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

