

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052720\
 Data File : VX016452.D
 Acq On : 27 May 2020 17:30
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX052720

Manual Integrations
 APPROVED

MMDadoda
 5/28/2020 2:10:53 PM

Quant Time: May 28 03:25:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	323606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	499430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	472272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	236043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	198502	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	5.46	113	155912	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	8.70	98	627008	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	11.12	95	242188	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	165804	52.064	ug/l	97
3) Chloromethane	1.31	50	195697	50.850	ug/l	100
4) Vinyl Chloride	1.39	62	208354	51.194	ug/l	100
5) Bromomethane	1.62	94	96827	48.930	ug/l	99
6) Chloroethane	1.70	64	125699	52.946	ug/l	99
7) Trichlorofluoromethane	1.91	101	277120	51.847	ug/l	99
8) Diethyl Ether	2.17	74	110574	49.613	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	152652	51.893	ug/l	99
10) Methyl Iodide	2.49	142	151536	43.538	ug/l	99
11) Tert butyl alcohol	3.01	59	269872	261.875	ug/l	100
12) 1,1-Dichloroethene	2.35	96	159528	51.233	ug/l	95
13) Acrolein	2.27	56	82582	188.381	ug/l	97
14) Allyl chloride	2.70	41	298148	52.065	ug/l	99
15) Acrylonitrile	3.11	53	555848	263.312	ug/l	99
16) Acetone	2.42	43	464564	263.850	ug/l	99
17) Carbon Disulfide	2.54	76	473164	51.171	ug/l	100
18) Methyl Acetate	2.75	43	236423	52.354	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	583099	52.150	ug/l	99
20) Methylene Chloride	2.83	84	179914	49.388	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	177535	51.546	ug/l	99
22) Diisopropyl ether	3.82	45	572763	52.066	ug/l	94
23) Vinyl Acetate	3.78	43	2588502	268.826	ug/l	99
24) 1,1-Dichloroethane	3.67	63	319771	51.502	ug/l	99
25) 2-Butanone	4.63	43	778101	260.805	ug/l	99
26) 2,2-Dichloropropane	4.54	77	290305	57.139	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	200361	50.285	ug/l	97
28) Bromochloromethane	4.98	49	129142	44.759	ug/l	98
29) Tetrahydrofuran	5.09	42	514801	267.088	ug/l	100
30) Chloroform	5.17	83	316664	50.616	ug/l	100
31) Cyclohexane	5.54	56	289545	51.836	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	291746	51.509	ug/l	100
36) 1,1-Dichloropropene	5.77	75	249002	52.658	ug/l	98
37) Ethyl Acetate	4.79	43	298514	52.582	ug/l	100
38) Carbon Tetrachloride	5.74	117	257168	51.751	ug/l	99

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: May 28 03:25:22 2020
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	286802	55.840	ug/l	97
40) Benzene	6.11	78	733697	52.103	ug/l	100
41) Methacrylonitrile	5.00	41	158854	50.941	ug/l	99
42) 1,2-Dichloroethane	6.16	62	256581	51.236	ug/l	100
43) Isopropyl Acetate	6.41	43	465422	52.559	ug/l	99
44) Trichloroethene	7.19	130	228365	51.113	ug/l	95
45) 1,2-Dichloropropane	7.49	63	188362	52.543	ug/l	99
46) Dibromomethane	7.63	93	124641	51.764	ug/l	99
47) Bromodichloromethane	7.87	83	261378	52.426	ug/l	98
48) Methyl methacrylate	7.74	41	227133	53.570	ug/l	99
49) 1,4-Dioxane	7.71	88	105264	1060.859	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1499669	271.981	ug/l	100
52) Toluene	8.76	92	468335	52.741	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	312563	55.133	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	328236	54.700	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	185364	52.502	ug/l	97
56) Ethyl methacrylate	9.16	69	315517	54.872	ug/l	99
57) 1,3-Dichloropropane	9.35	76	324601	53.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	729998	243.227	ug/l	100
59) 2-Hexanone	9.47	43	1188887	277.265	ug/l	100
60) Dibromochloromethane	9.57	129	211582	53.252	ug/l	100
61) 1,2-Dibromoethane	9.65	107	199434	52.749	ug/l	98
64) Tetrachloroethene	9.32	164	259469	49.107	ug/l	99
65) Chlorobenzene	10.12	112	500178	51.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	190239	51.760	ug/l	99
67) Ethyl Benzene	10.23	91	901305	52.577	ug/l	98
68) m/p-Xylenes	10.34	106	681196	107.174	ug/l	99
69) o-Xylene	10.68	106	325109	52.816	ug/l	99
70) Styrene	10.70	104	574185	54.269	ug/l	100
71) Bromoform	10.84	173	163607	52.671	ug/l #	100
73) Isopropylbenzene	11.00	105	874414	53.465	ug/l	100
74) N-amyl acetate	10.88	43	409184	54.392	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	227406	55.480	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	274542m	52.915	ug/l	
77) Bromobenzene	11.24	156	219238	51.109	ug/l	99
78) n-propylbenzene	11.34	91	986781	54.005	ug/l	100
79) 2-Chlorotoluene	11.40	91	590150	52.913	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	736958	53.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	115304	54.667	ug/l	97
82) 4-Chlorotoluene	11.49	91	700664	53.199	ug/l	100
83) tert-Butylbenzene	11.76	119	639693	54.822	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	747087	54.095	ug/l	99
85) sec-Butylbenzene	11.93	105	809677	55.314	ug/l	100
86) p-Isopropyltoluene	12.05	119	766449	55.897	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	393102	52.895	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	397510	52.299	ug/l	99
89) n-Butylbenzene	12.37	91	661890	57.954	ug/l	99
90) Hexachloroethane	12.58	117	131168	55.382	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	369537	51.324	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	67546	50.876	ug/l	97

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ClientSampleId :
ICVVX052720

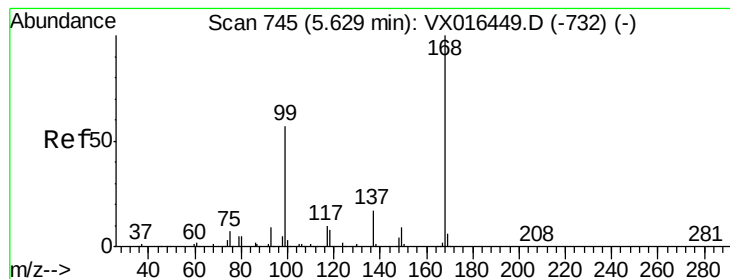
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	269201	56.296	ug/l	98
94) Hexachlorobutadiene	13.77	225	111319	59.292	ug/l	99
95) Naphthalene	13.82	128	881328	53.763	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	259113	55.310	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion:168 Resp: 323606

Ion Ratio Lower Upper

168 100

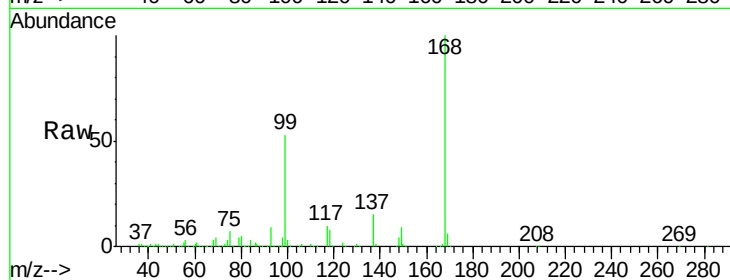
99 52.9 45.2 67.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

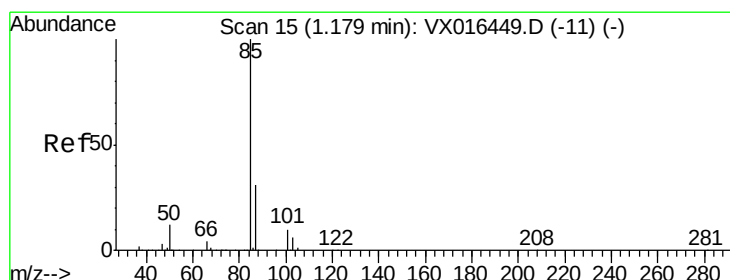
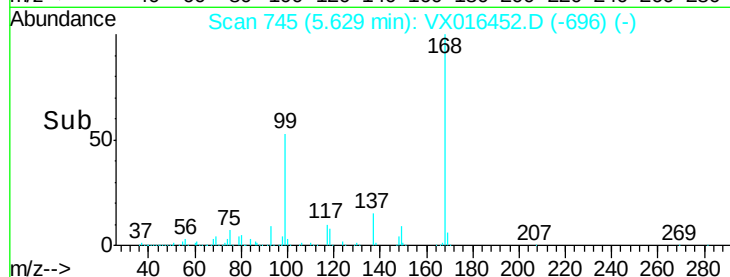
5.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.064 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016452.D

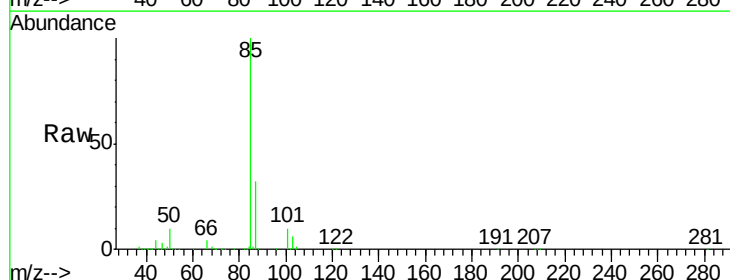
Acq: 27 May 2020 17:30

Tgt Ion: 85 Resp: 165804

Ion Ratio Lower Upper

85 100

87 32.3 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

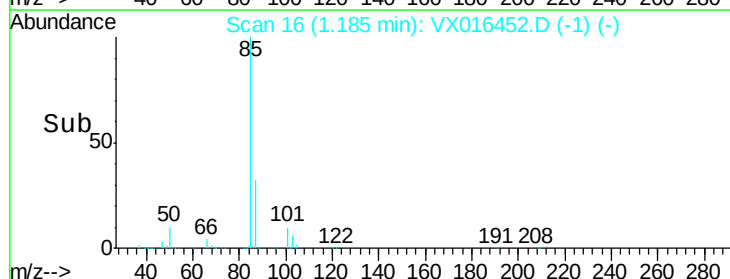
150000

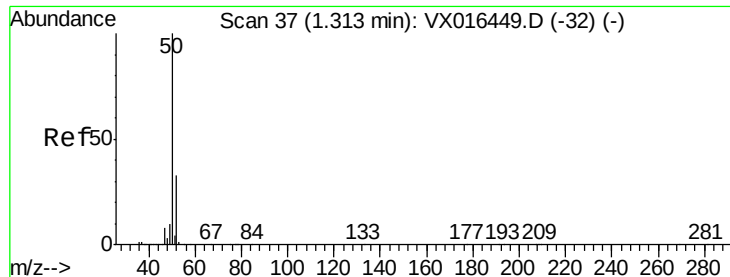
100000

50000

0

Time-->





#3

Chloromethane

Concen: 50.850 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion: 50 Resp: 195697

Ion Ratio Lower Upper

50 100

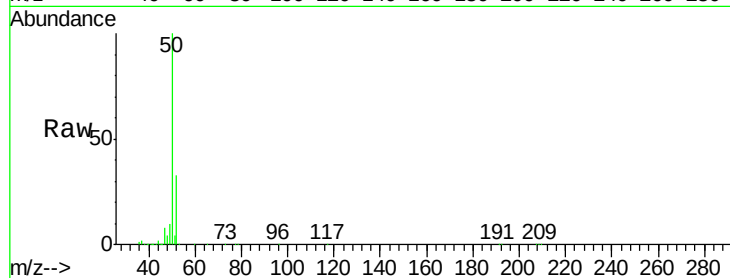
52 32.9 26.2 39.2

Manual Integrations

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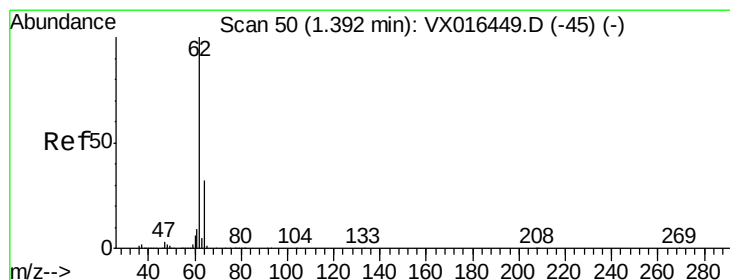
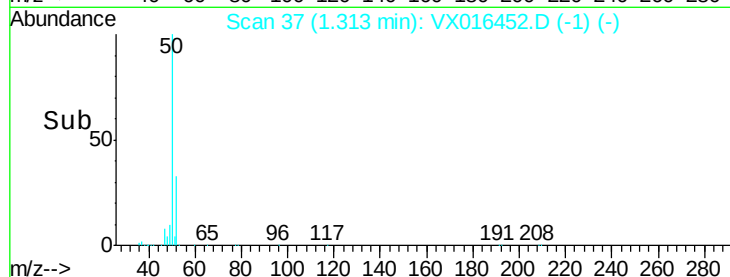
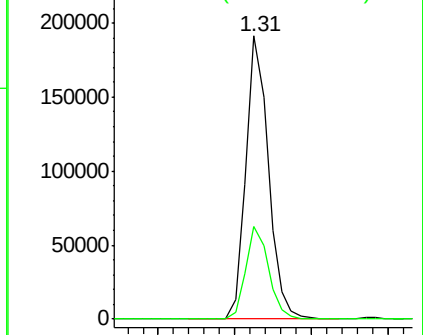
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.194 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016452.D

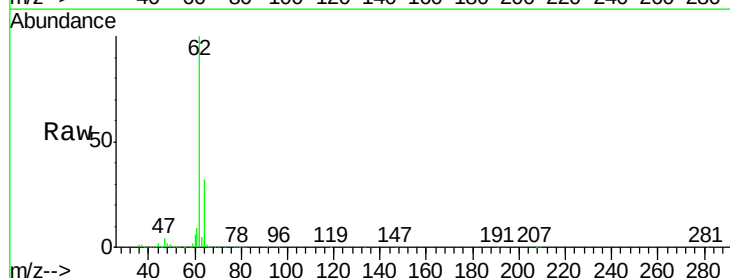
Acq: 27 May 2020 17:30

Tgt Ion: 62 Resp: 208354

Ion Ratio Lower Upper

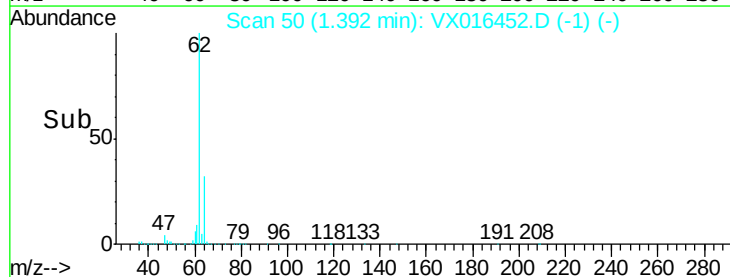
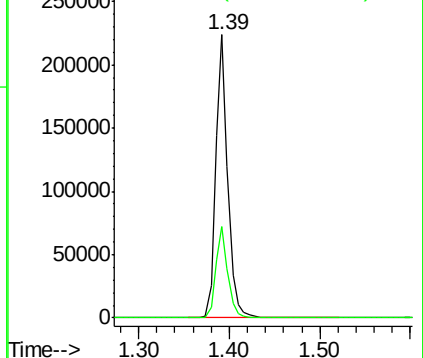
62 100

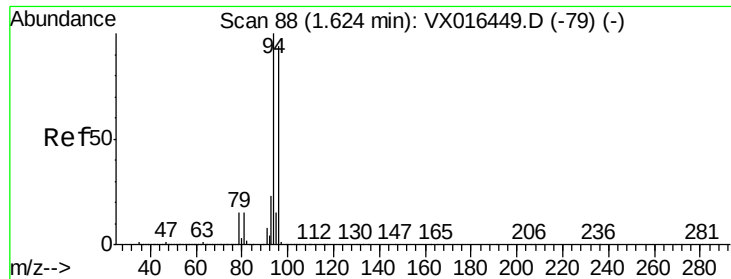
64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.930 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion: 94 Resp: 96827

Ion Ratio Lower Upper

94 100

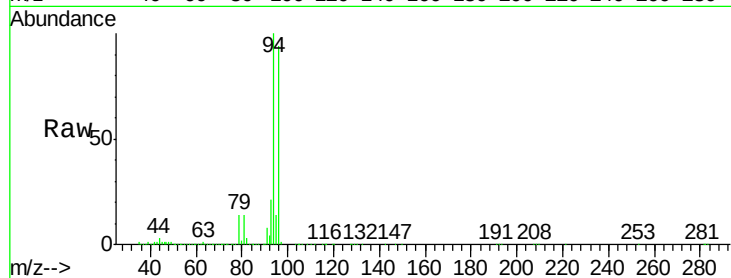
96 94.4 75.1 112.7

Manual Integrations

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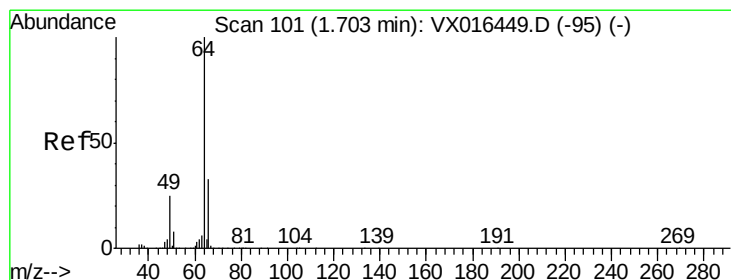
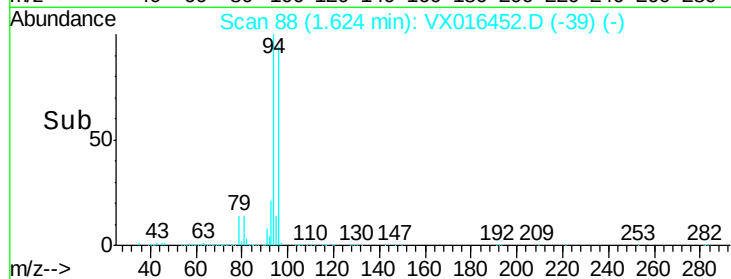
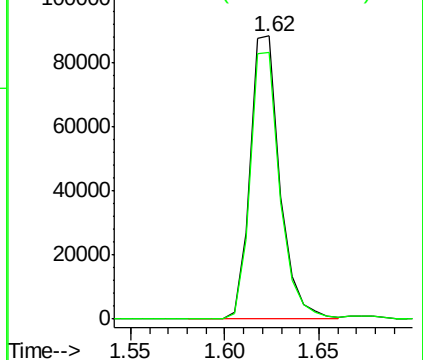
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.946 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016452.D

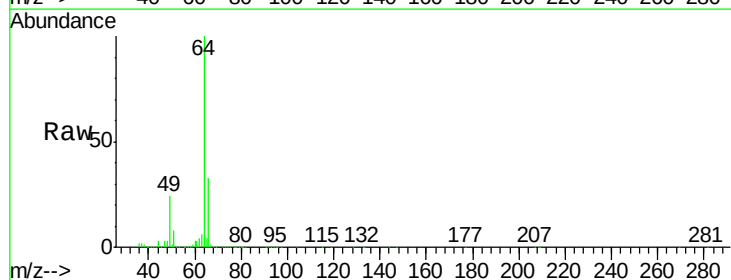
Acq: 27 May 2020 17:30

Tgt Ion: 64 Resp: 125699

Ion Ratio Lower Upper

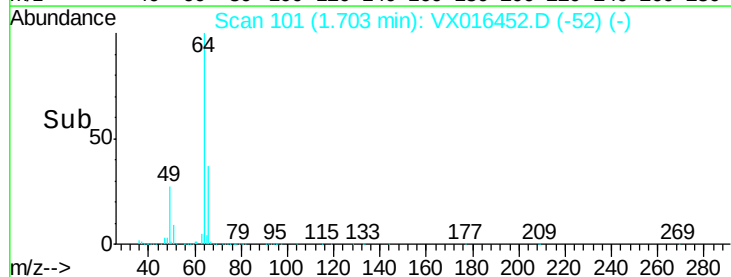
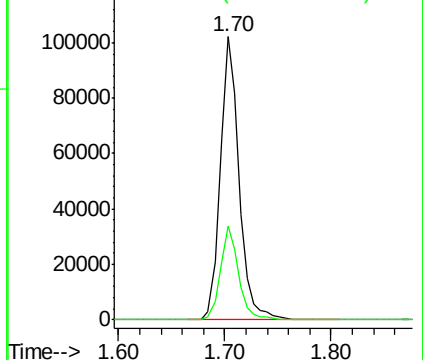
64 100

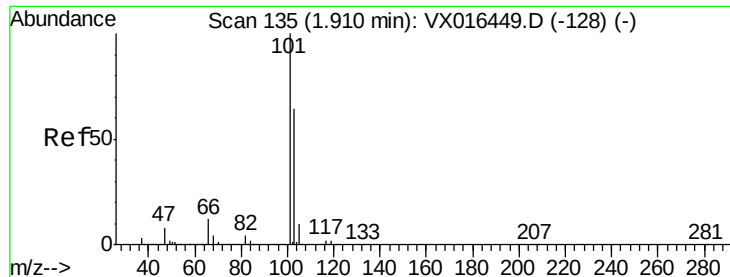
66 33.0 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

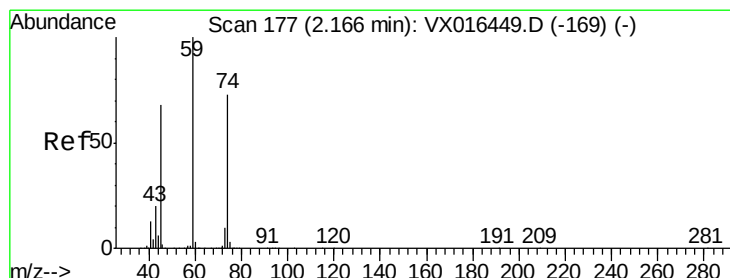
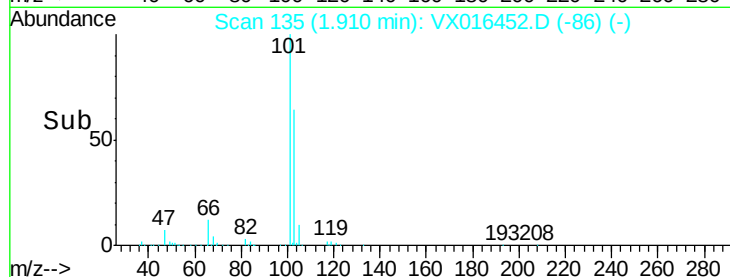
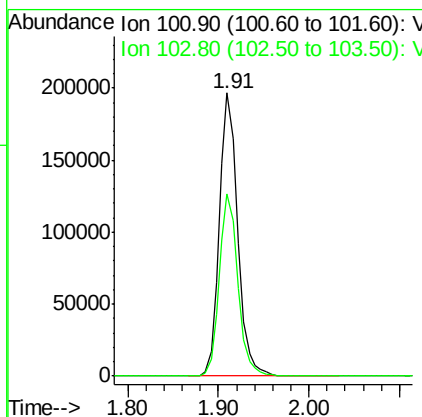
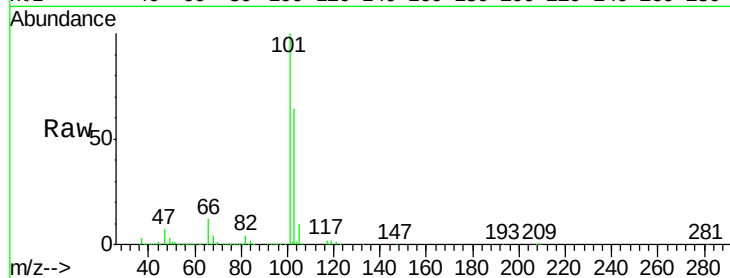
Trichlorofluoromethane
Concen: 51.847 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

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ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.9	76.3

Manual Integrations
APPROVED

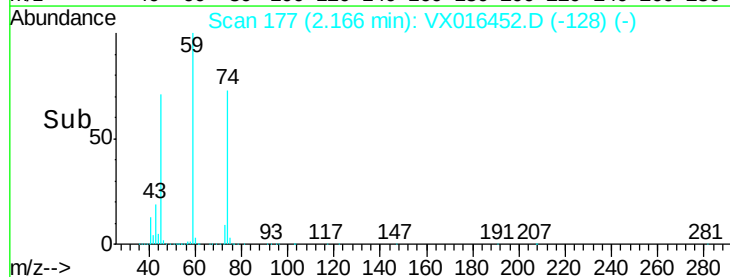
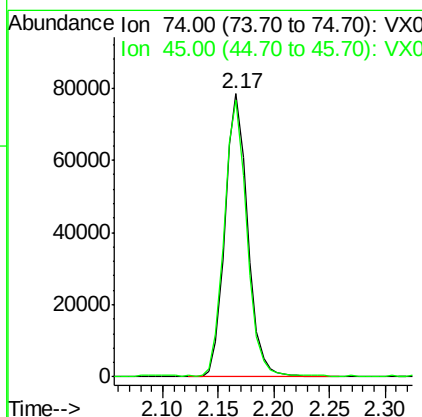
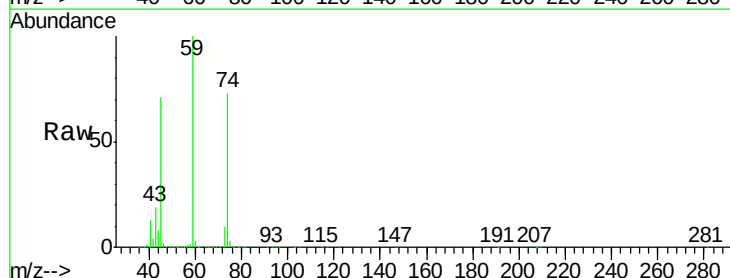
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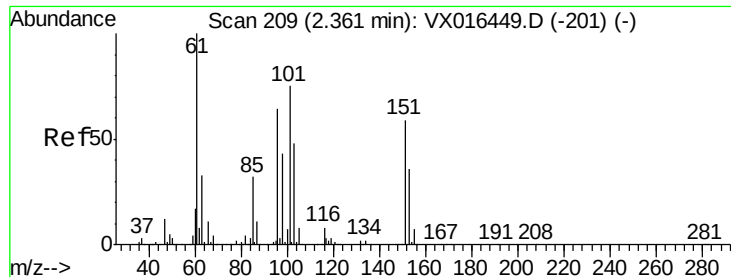


#8

Diethyl Ether
Concen: 49.613 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.893 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

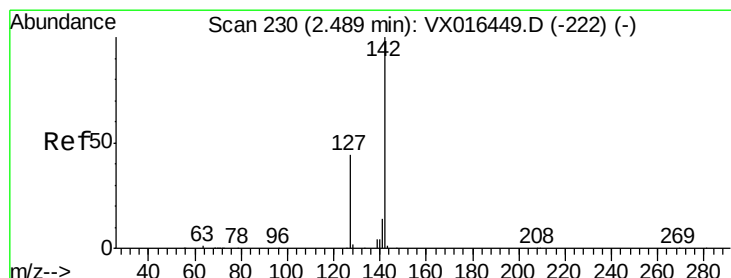
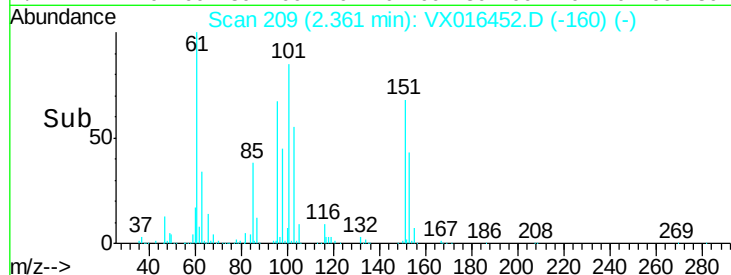
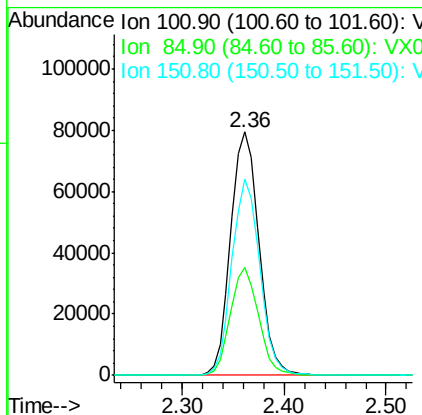
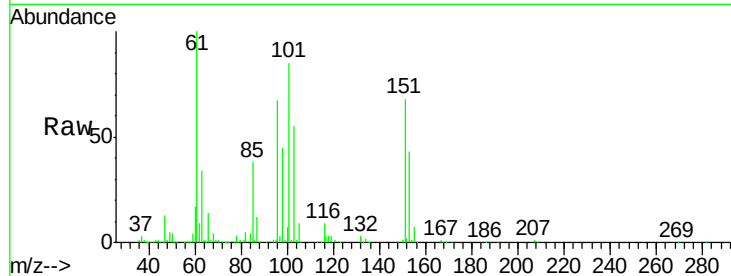
ClientSampleId :

ICVVX052720

Tot Ion:	101	Resp:	152652
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.4	51.6
151	79.8	63.8	95.6

Manual Integrations
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#10

Methyl Iodide

Concen: 43.538 ug/l

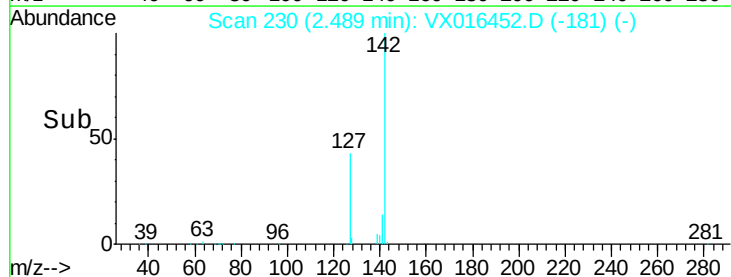
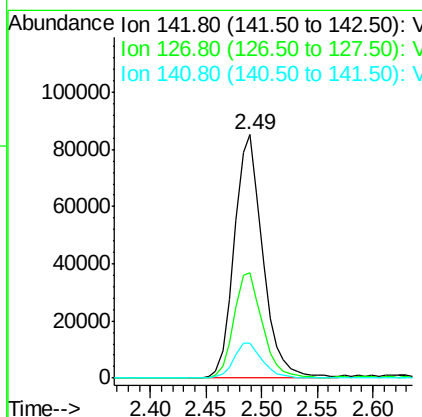
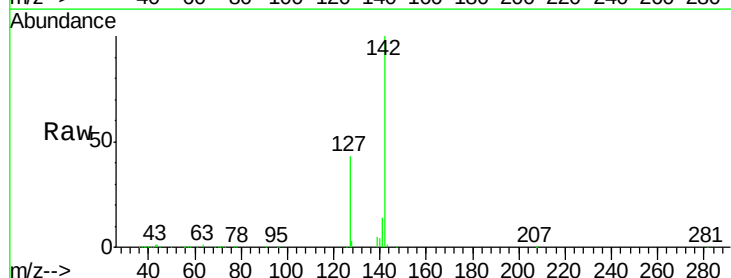
RT: 2.49 min Scan# 230

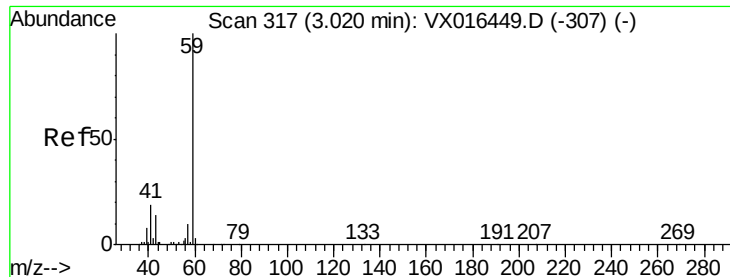
Delta R.T. 0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion:	142	Resp:	151536
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.3	52.9
141	14.5	11.4	17.2





#11

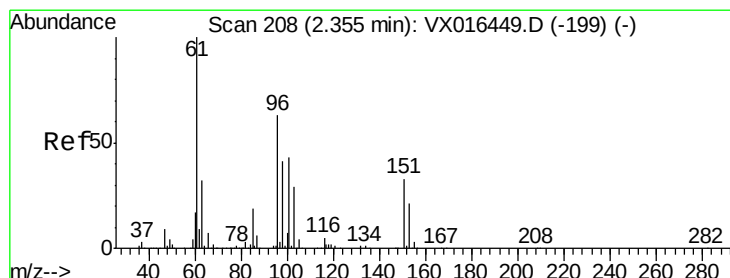
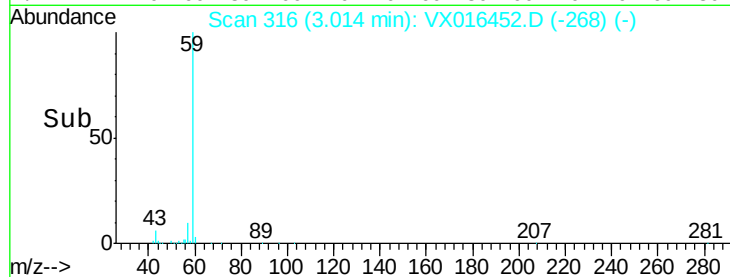
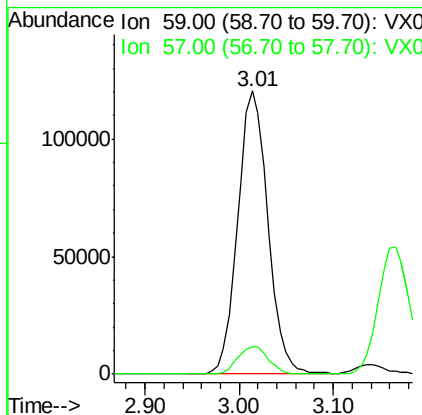
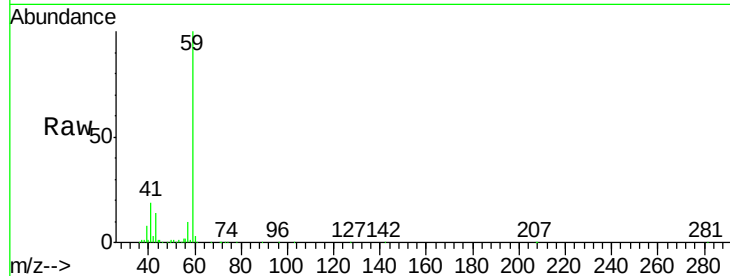
Tert butyl alcohol
 Concen: 261.875 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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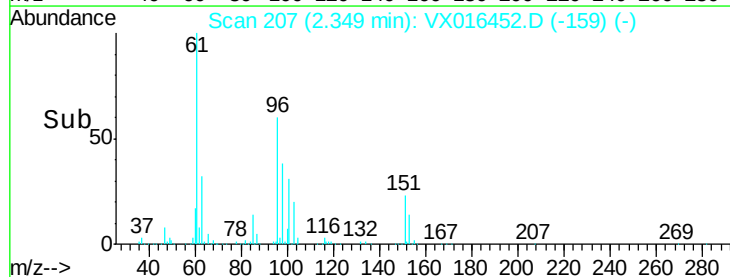
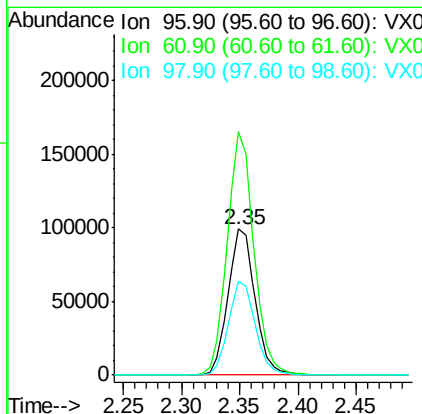
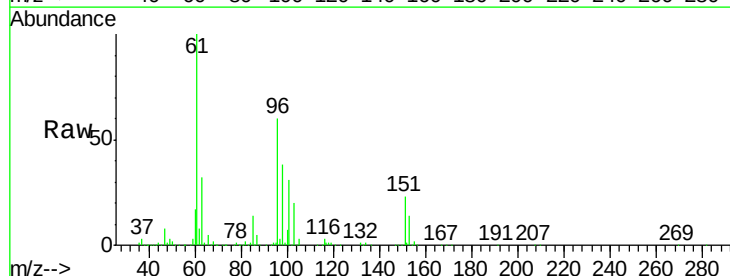
MMDadoda
 5/28/2020 2:10:53 PM

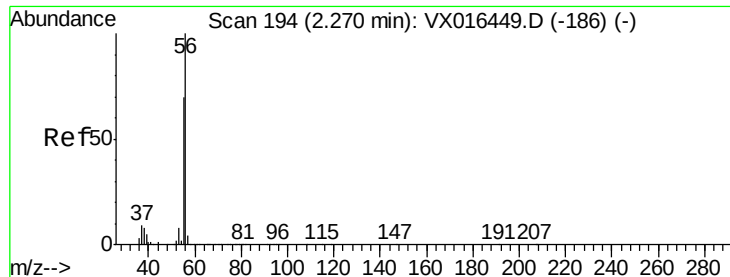


#12

1,1-Dichloroethene
 Concen: 51.233 ug/l
 RT: 2.35 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.9	126.6	189.8
98	64.2	51.3	76.9





#13

Acrolein

Concen: 188.381 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion: 56 Resp: 82582

Ion Ratio Lower Upper

56 100

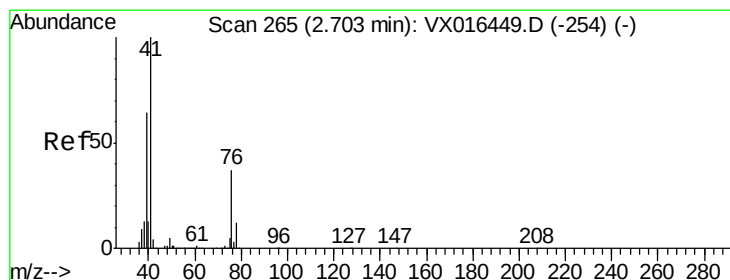
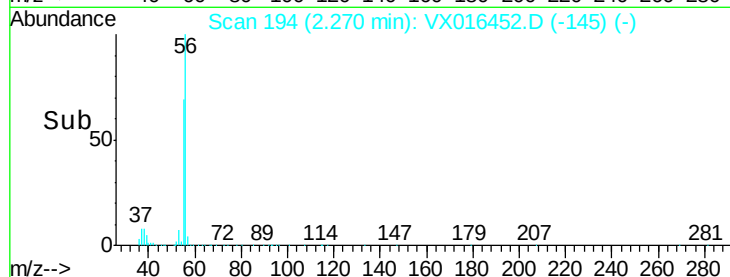
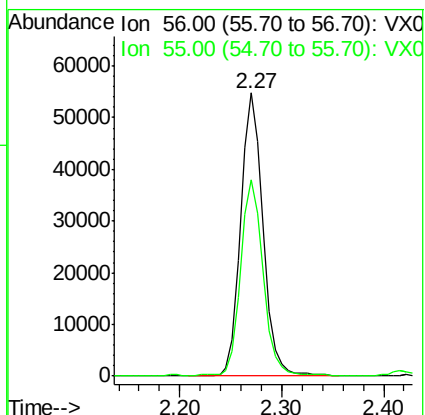
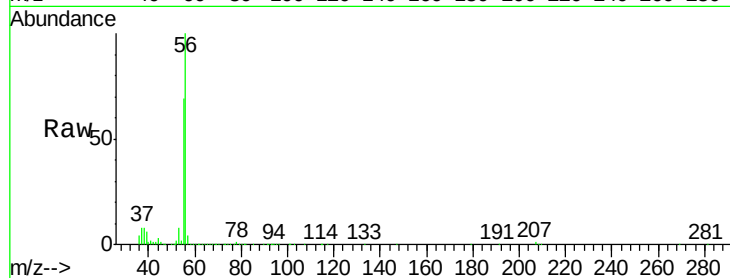
55 70.2 58.3 87.5

Manual Integrations

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#14

Allyl chloride

Concen: 52.065 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

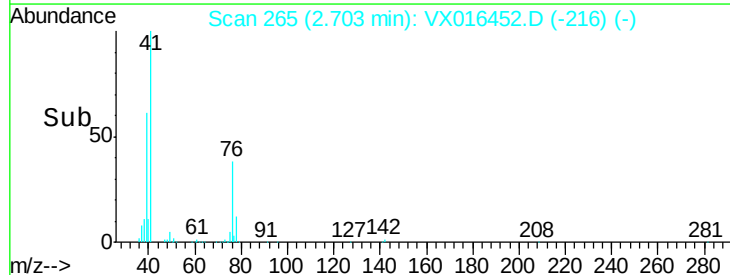
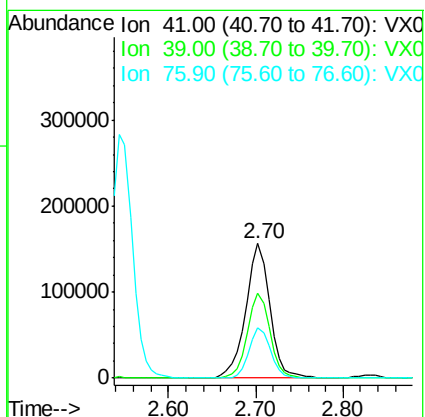
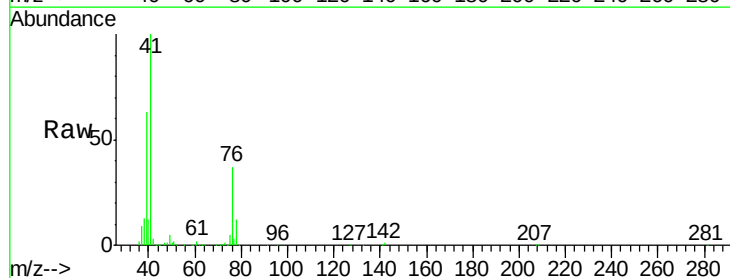
Tgt Ion: 41 Resp: 298148

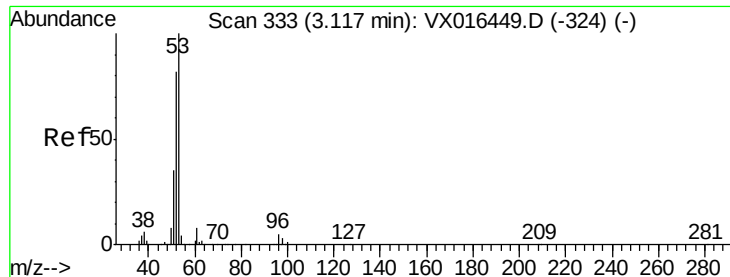
Ion Ratio Lower Upper

41 100

39 58.9 47.7 71.5

76 33.7 26.6 40.0





#15

Acrylonitrile

Concen: 263.312 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

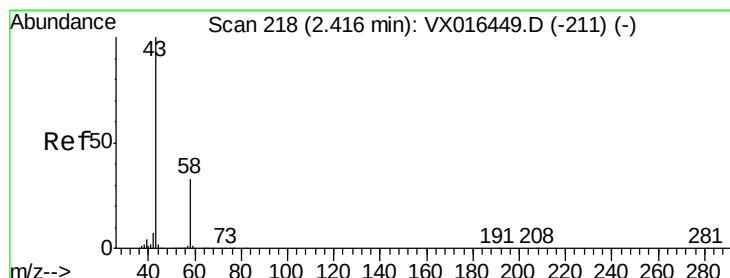
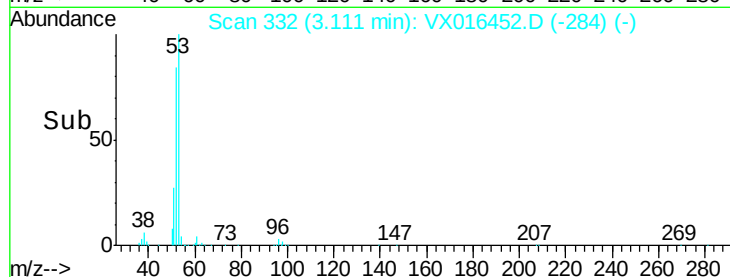
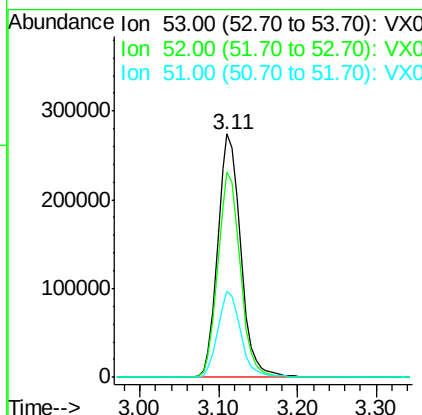
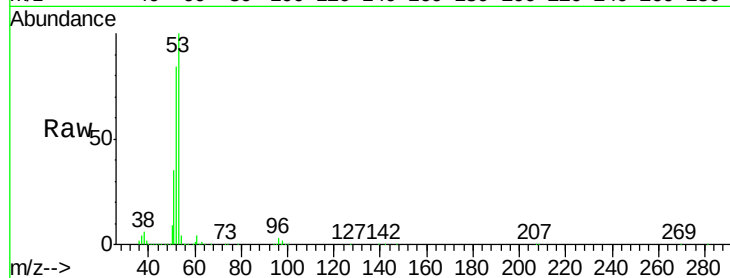
ClientSampleId :

ICVX052720

Tot Ion:	53	Resp:	555848
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.7	100.1
51	35.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 263.850 ug/l

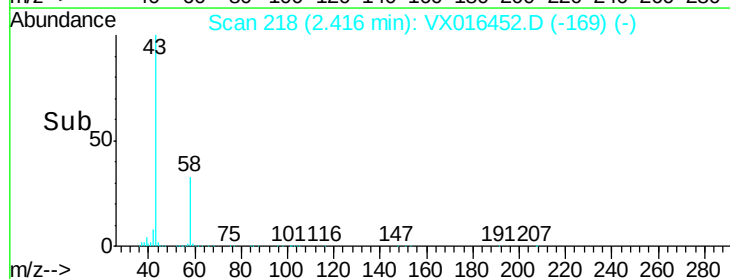
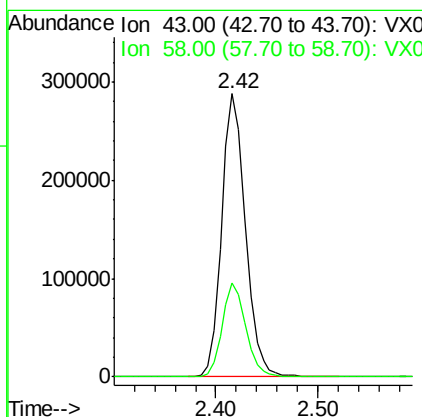
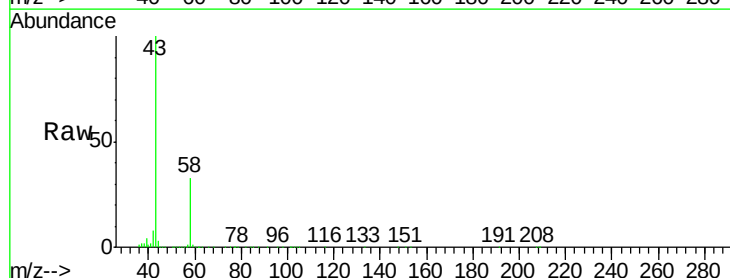
RT: 2.42 min Scan# 218

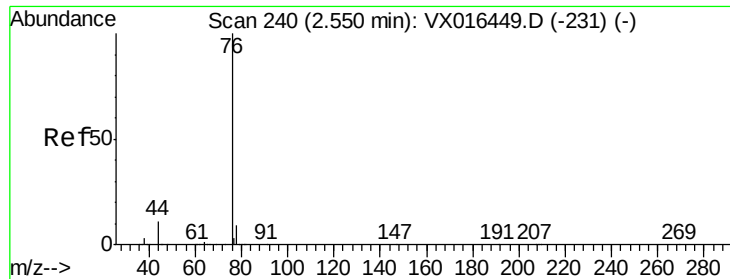
Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion:	43	Resp:	464564
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.1	39.1





#17

Carbon Disulfide

Concen: 51.171 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion: 76 Resp: 473164

Ion Ratio Lower Upper

76 100

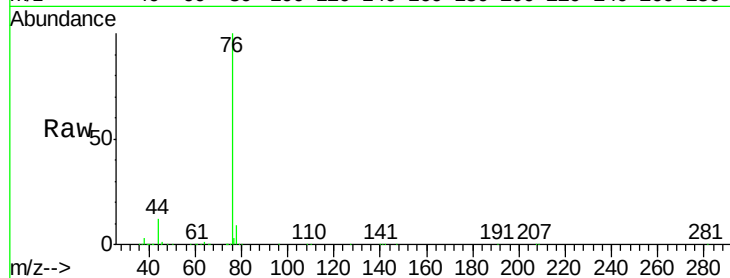
78 9.1 7.4 11.0

Manual Integrations

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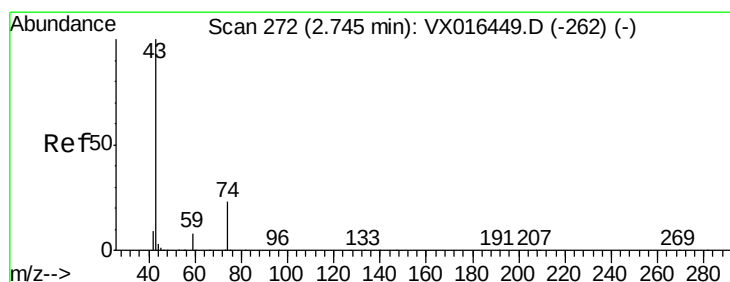
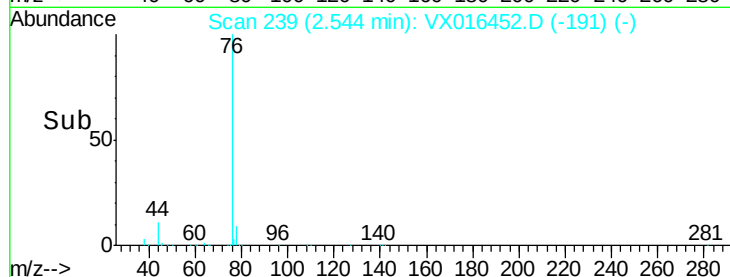
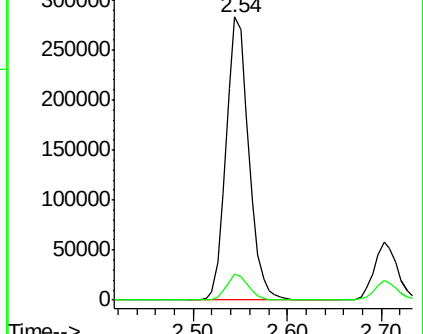
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.354 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016452.D

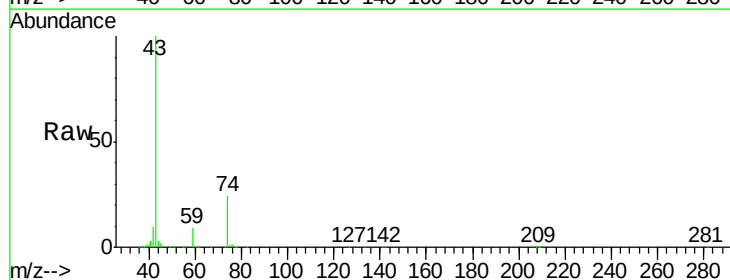
Acq: 27 May 2020 17:30

Tgt Ion: 43 Resp: 236423

Ion Ratio Lower Upper

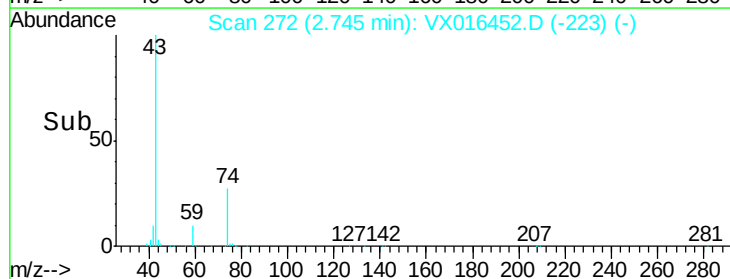
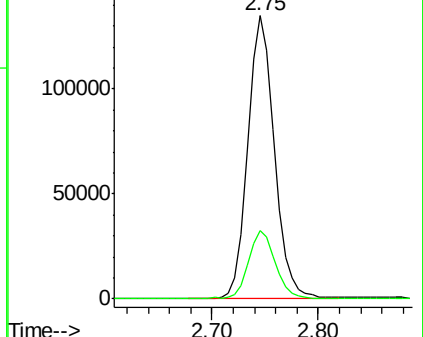
43 100

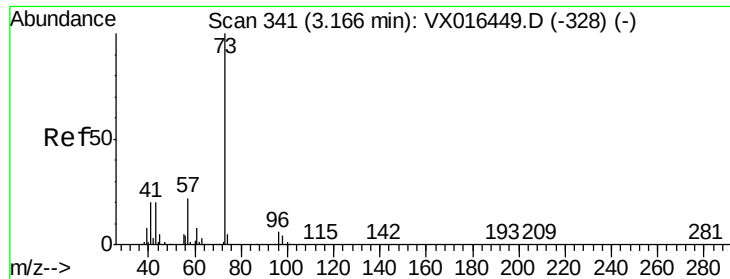
74 24.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





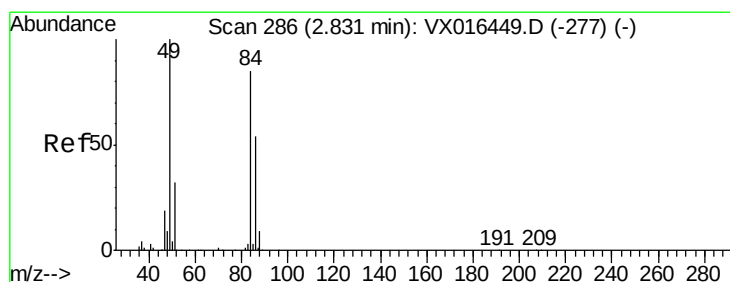
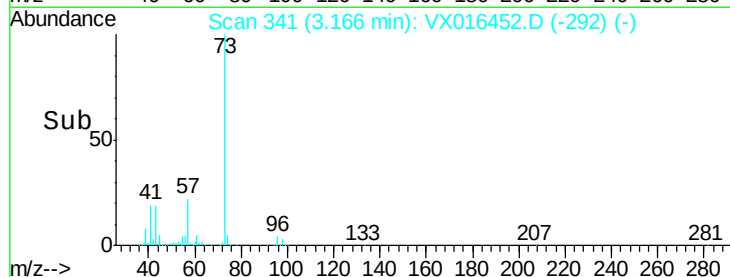
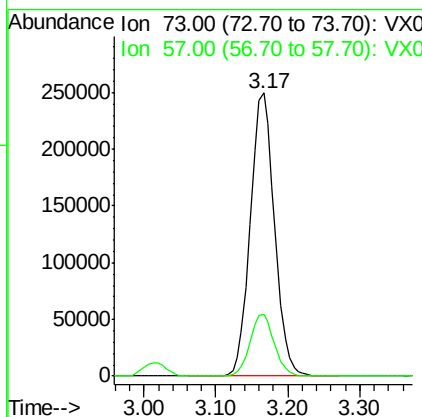
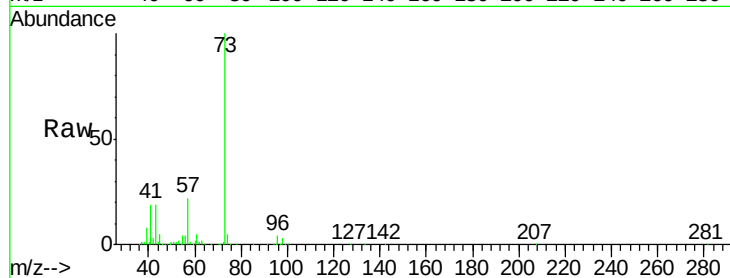
#19
Methyl tert-butyl Ether
Concen: 52.150 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.8	26.6

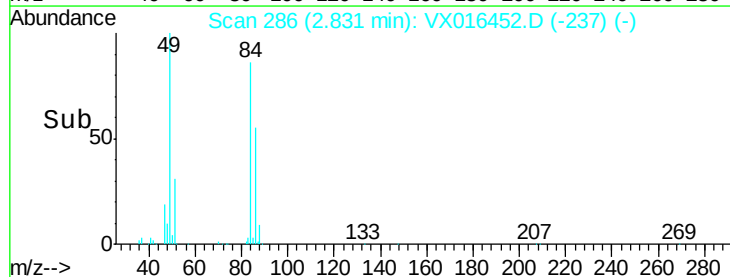
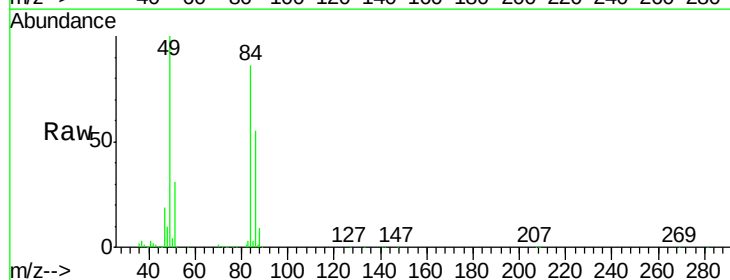
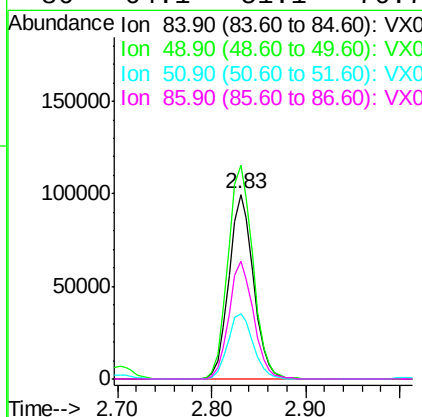
Manual Integrations
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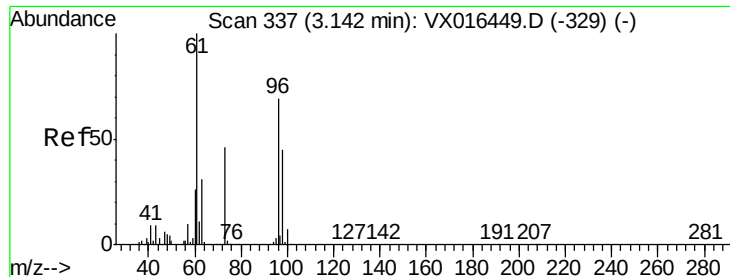
MMDadoda
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#20
Methylene Chloride
Concen: 49.388 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.7	94.5	141.7
51	35.5	30.2	45.4
86	64.1	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 51.546 ug/l

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

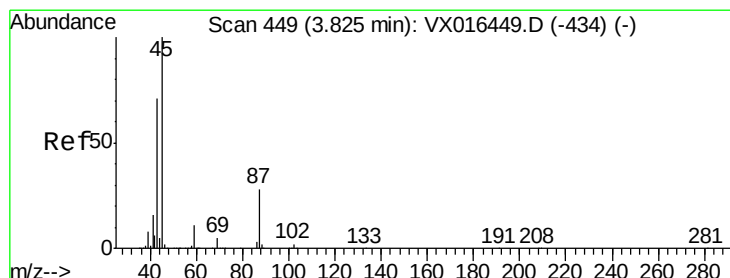
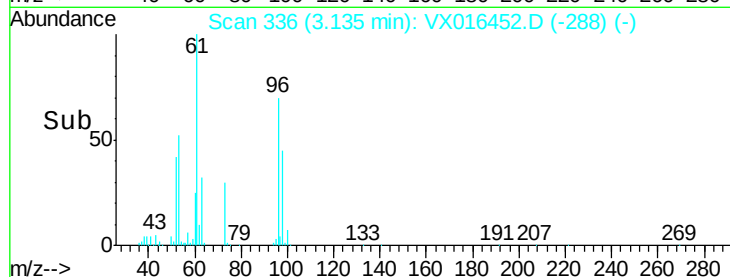
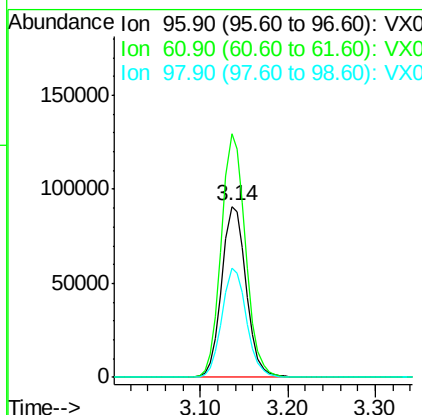
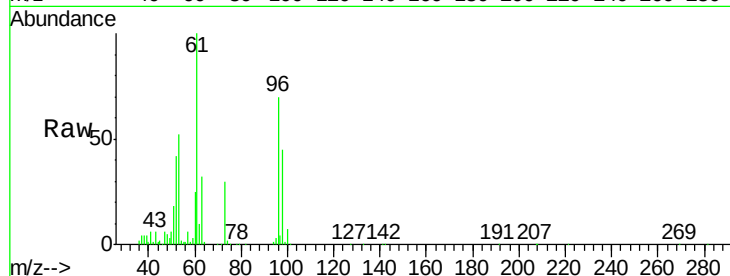
ClientSampleId :

ICVVX052720

Tot Ion:	96	Resp:	177535
Ion	Ratio	Lower	Upper
96	100		
61	142.5	115.3	172.9
98	64.0	51.9	77.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.066 ug/l

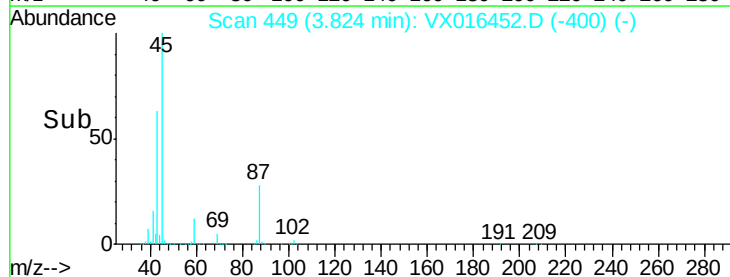
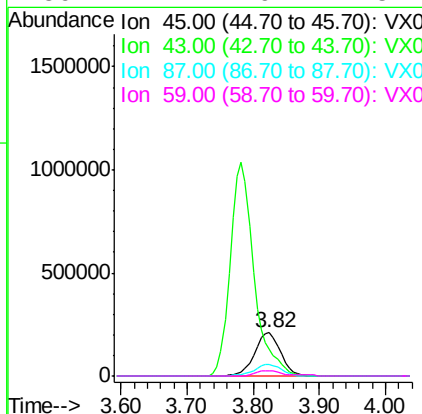
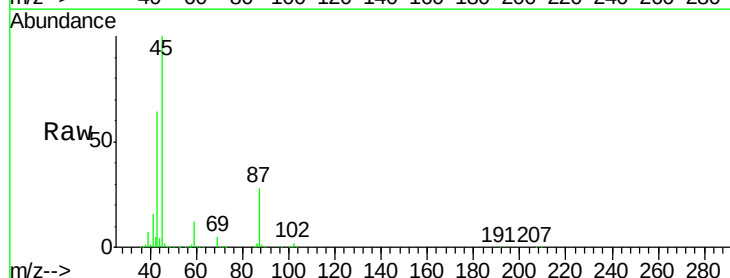
RT: 3.82 min Scan# 449

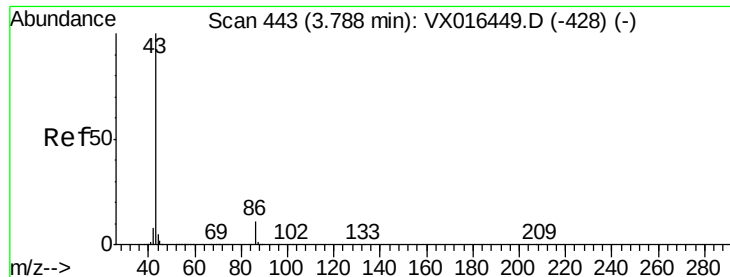
Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion:	45	Resp:	572763
Ion	Ratio	Lower	Upper
45	100		
43	63.5	57.0	85.6
87	27.7	22.5	33.7
59	12.2	9.1	13.7





#23

Vinyl Acetate

Concen: 268.826 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampled :

ICVVX052720

Tot Ion: 43 Resp: 2588502

Ion Ratio Lower Upper

43 100

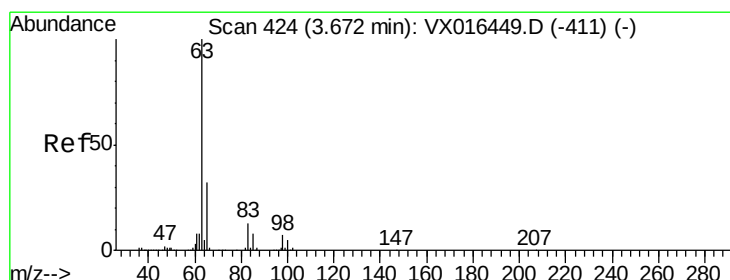
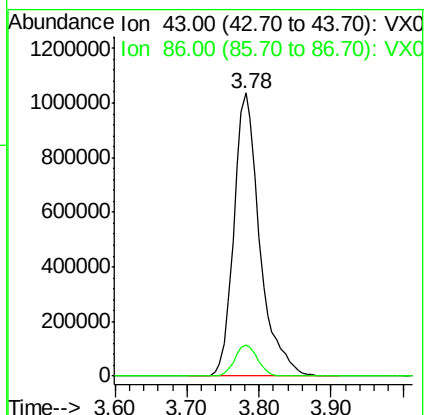
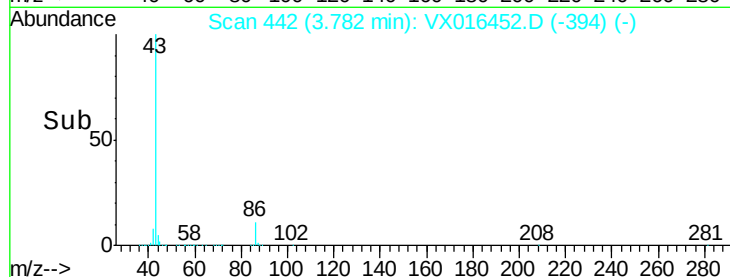
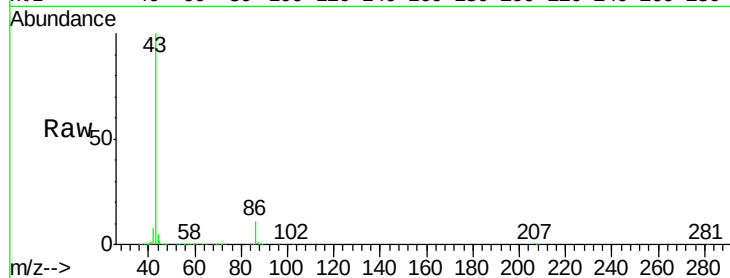
86 11.2 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.502 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

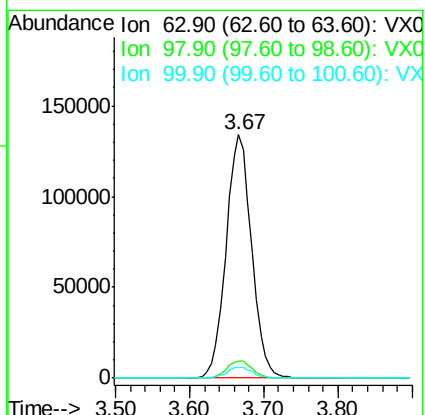
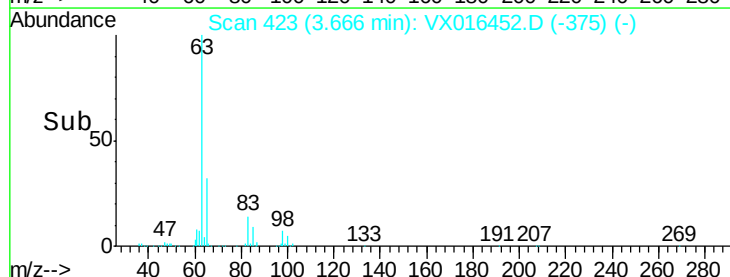
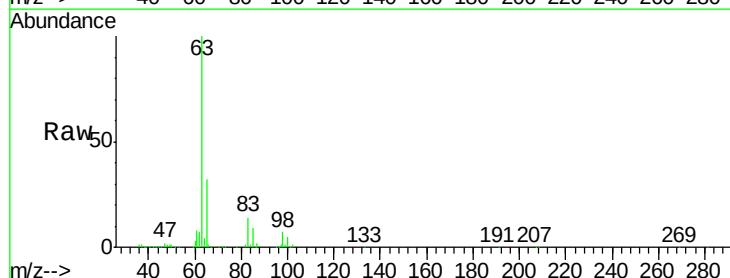
Tgt Ion: 63 Resp: 319771

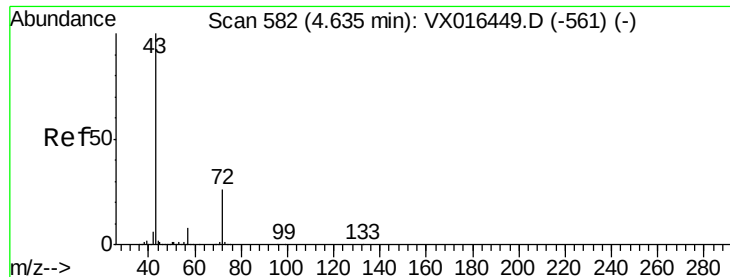
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 260.805 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion: 43 Resp: 778101

Ion Ratio Lower Upper

43 100

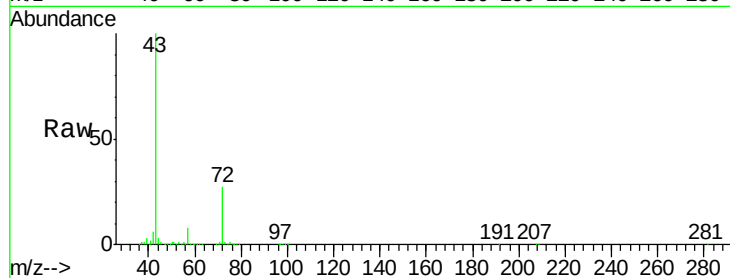
72 26.6 21.0 31.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.63

300000

250000

200000

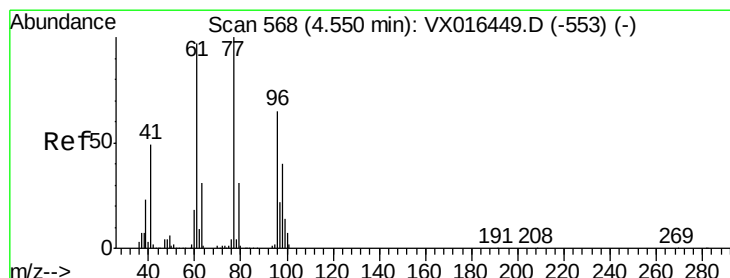
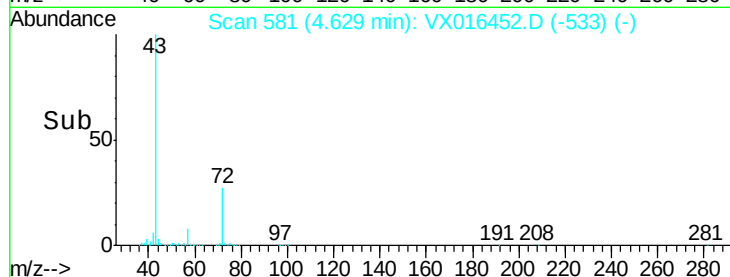
150000

100000

50000

0

Time--> 4.50 4.60 4.70



#26

2,2-Dichloropropane

Concen: 57.139 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016452.D

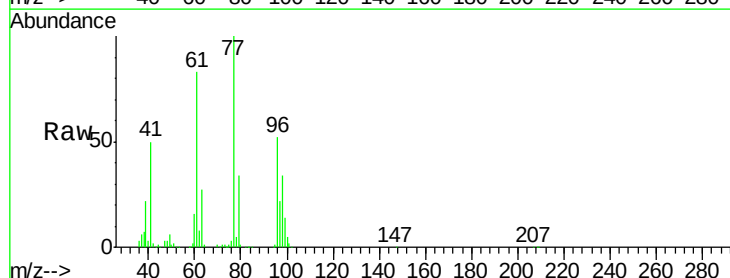
Acq: 27 May 2020 17:30

Tgt Ion: 77 Resp: 290305

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.54

100000

80000

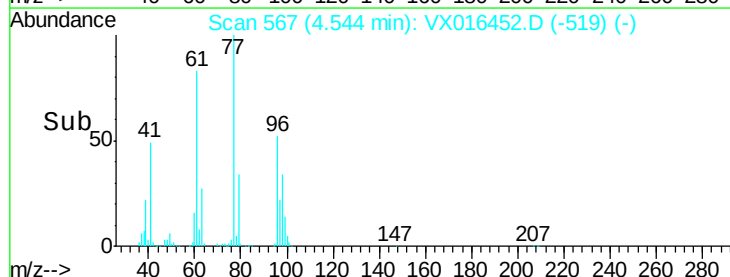
60000

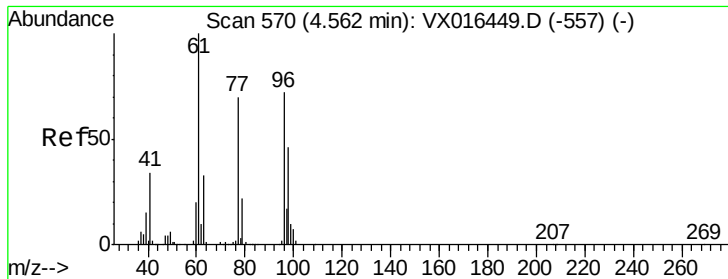
40000

20000

0

Time--> 4.40 4.50 4.60 4.70





#27

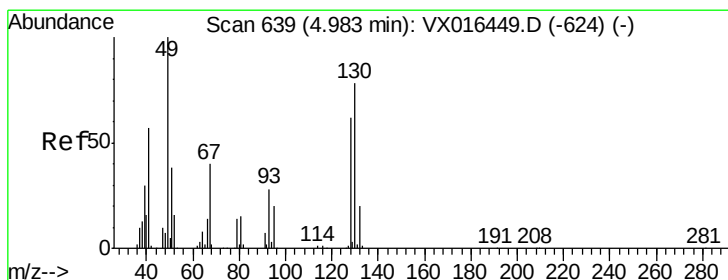
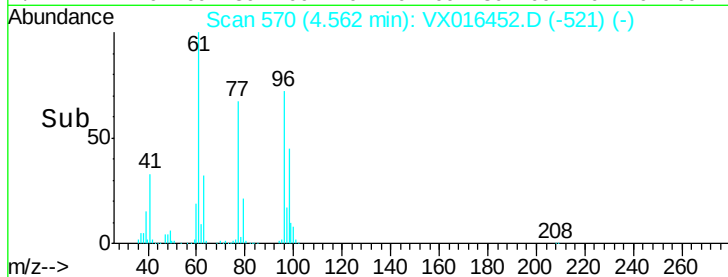
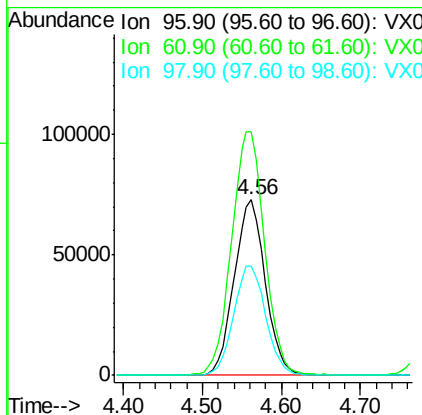
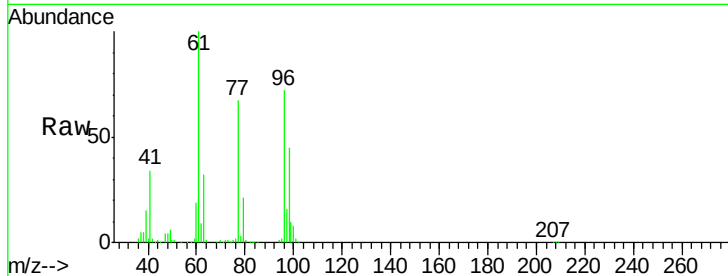
cis-1,2-Dichloroethene
 Concen: 50.285 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
96	100	200361		
61	147.4	0.0	284.6	
98	64.4	0.0	127.2	

Manual Integrations
 APPROVED

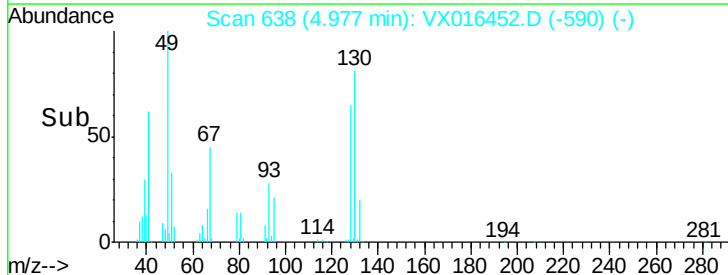
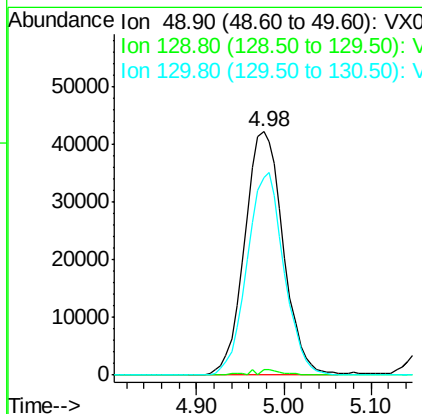
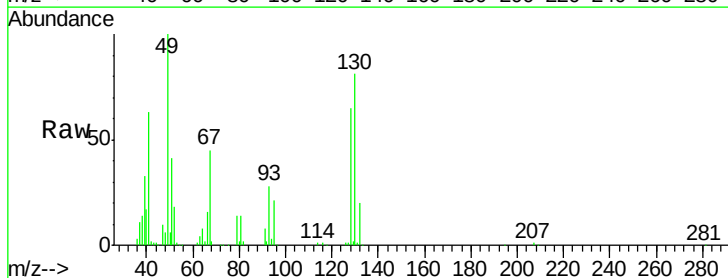
MMDadoda
 5/28/2020 2:10:53 PM

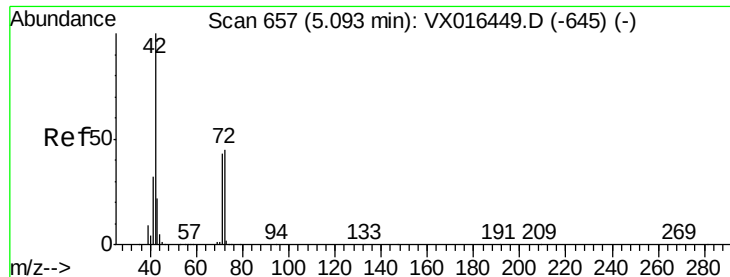


#28

Bromochloromethane
 Concen: 44.759 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129142		
129	1.8	0.0	4.0	
130	80.1	63.0	94.4	





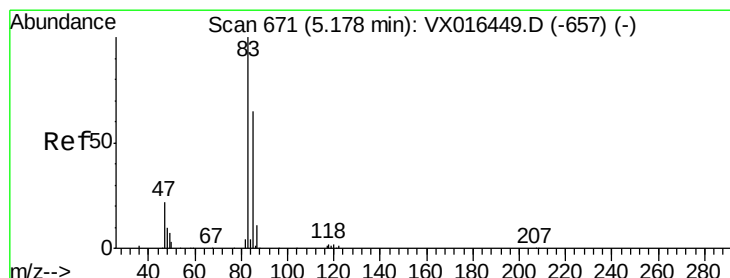
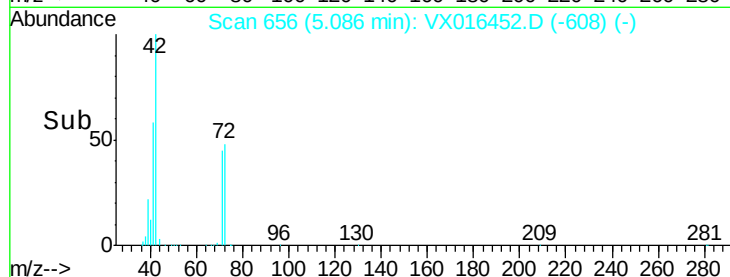
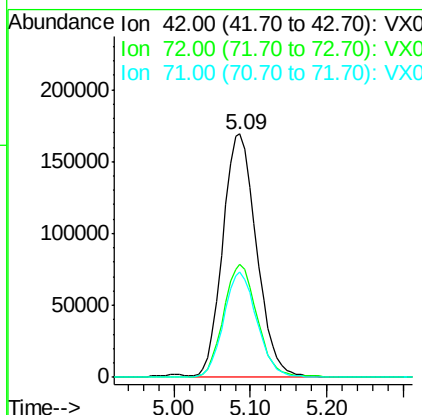
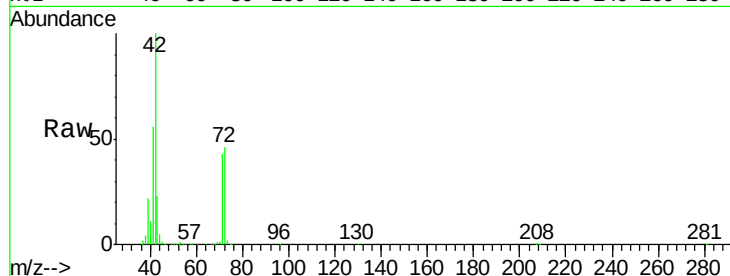
#29
Tetrahydrofuran
Concen: 267.088 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
42	100	514801		
72	46.5		37.0	55.4
71	42.8		34.1	51.1

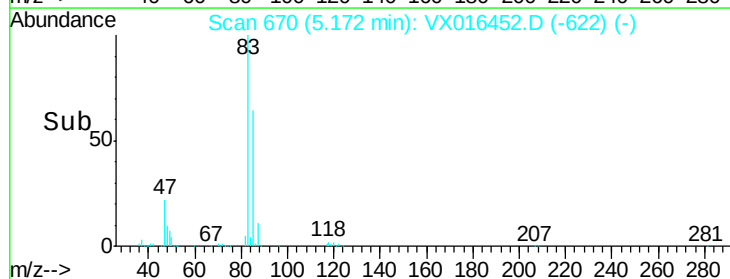
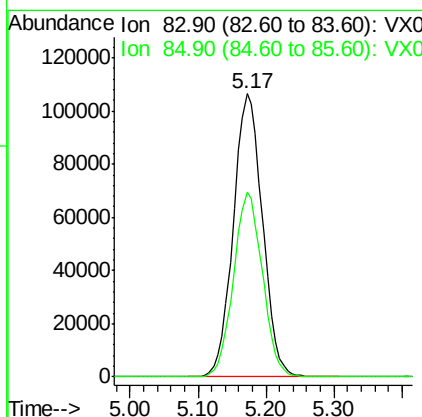
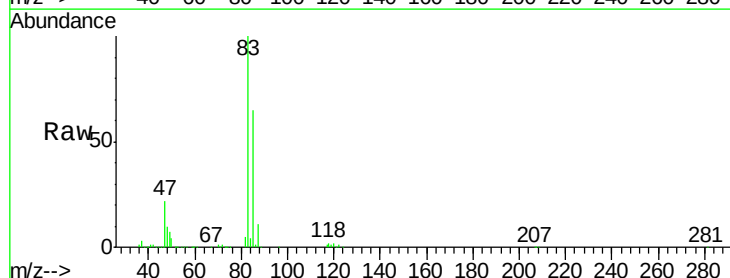
Manual Integrations
APPROVED

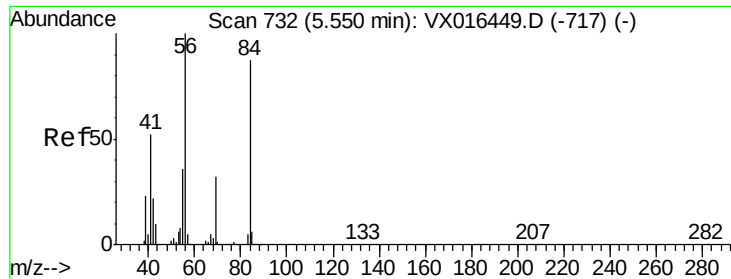
MMDadoda
5/28/2020 2:10:53 PM



#30
Chloroform
Concen: 50.616 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	316664		
85	65.1		52.0	78.0





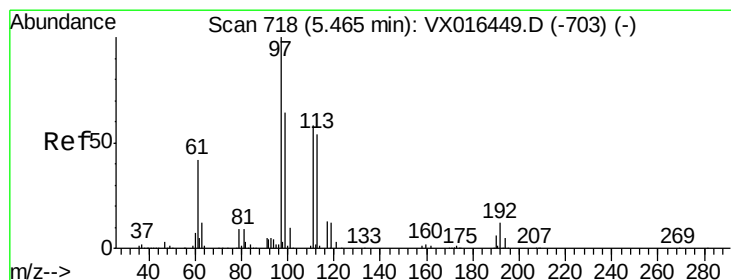
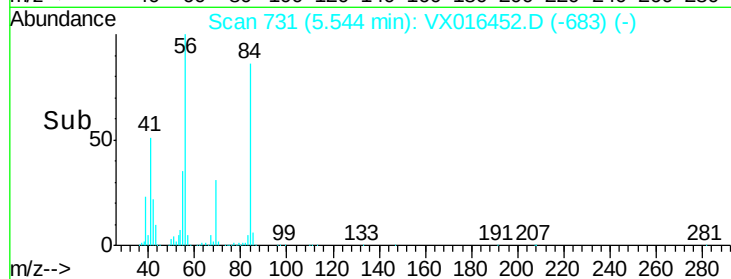
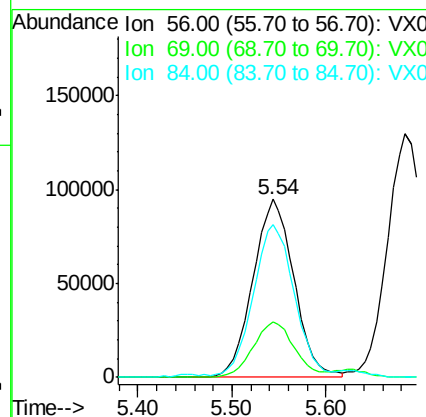
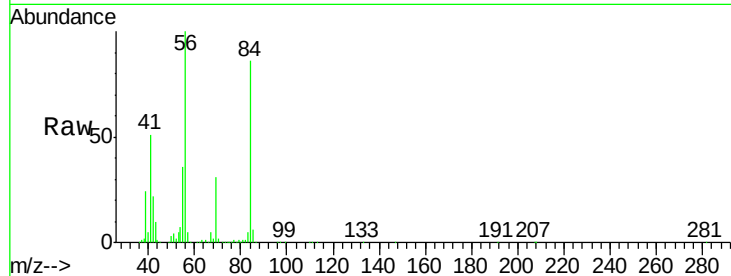
#31
Cyclohexane
Concen: 51.836 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.7	38.5
84	84.5	70.0	105.0

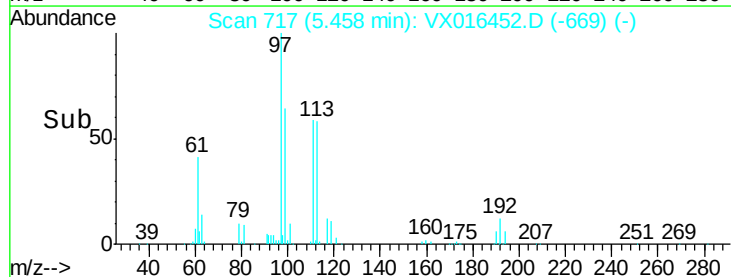
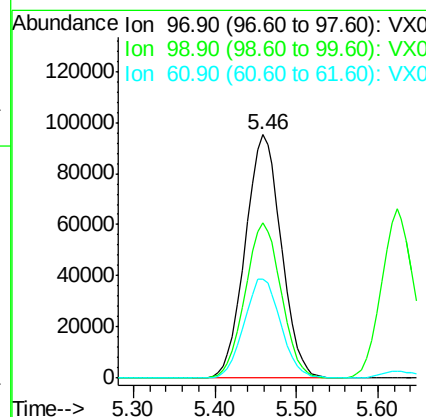
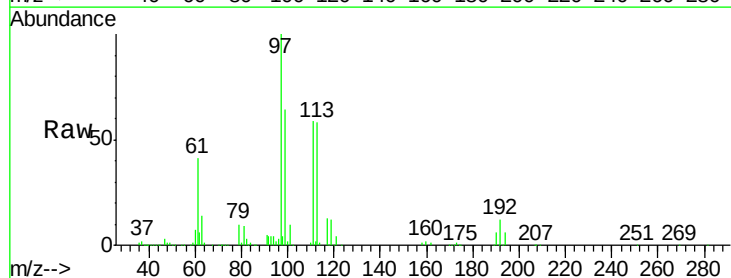
Manual Integrations
APPROVED

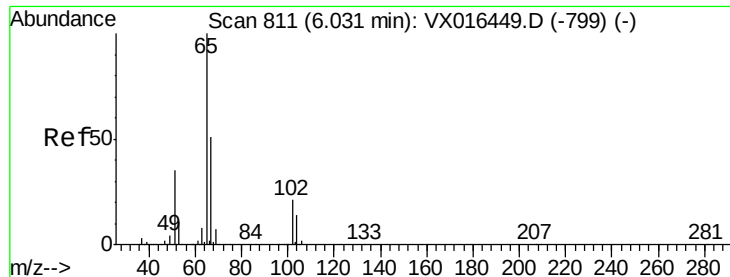
MMDadoda
5/28/2020 2:10:53 PM



#32
1,1,1-Trichloroethane
Concen: 51.509 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	41.5	33.5	50.3





#33

1,2-Dichloroethane-d4

Concen: 49.394 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion: 65 Resp: 198502

Ion Ratio Lower Upper

65 100

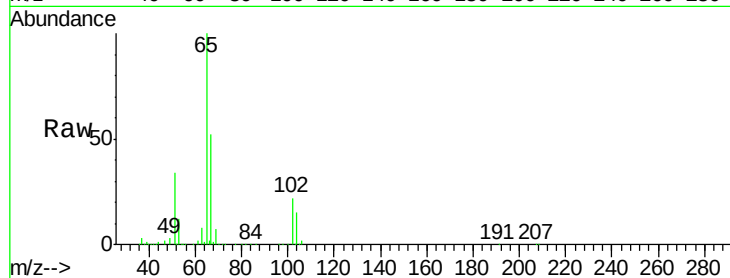
67 53.4 0.0 104.8

Manual Integrations

APPROVED

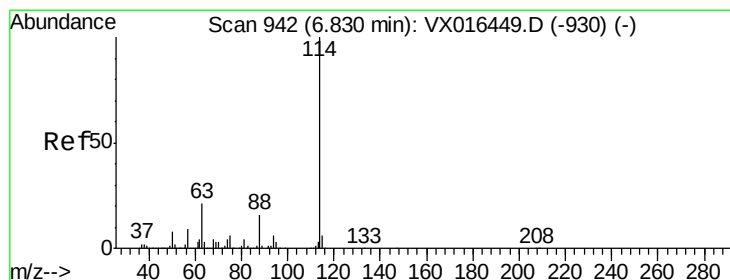
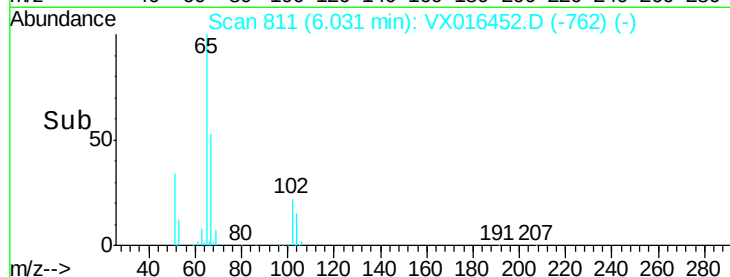
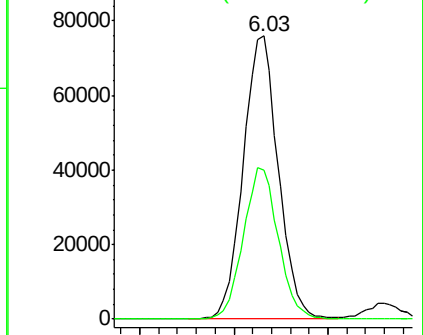
MMDadoda

5/28/2020 2:10:53 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

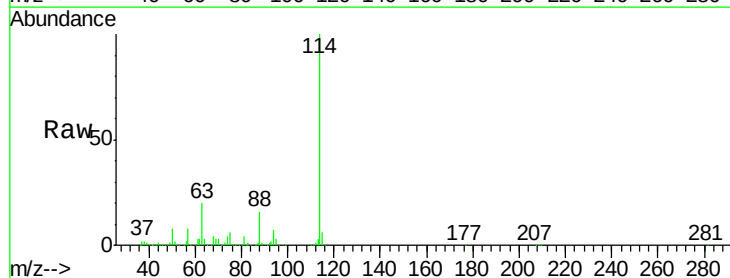
Tgt Ion: 114 Resp: 499430

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

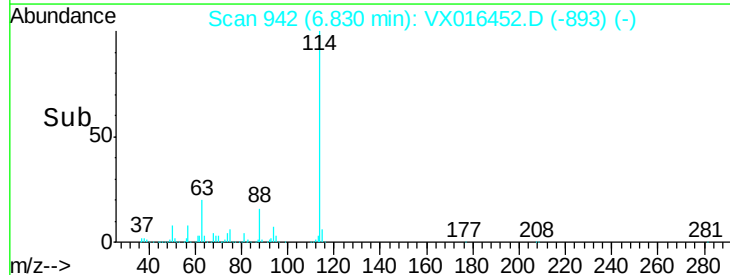
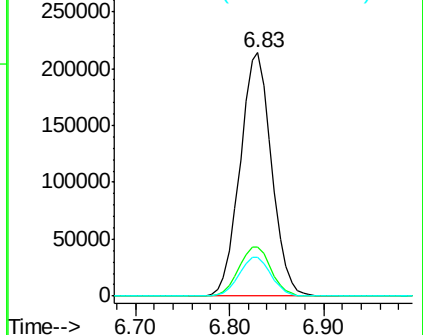
88 15.8 0.0 32.8

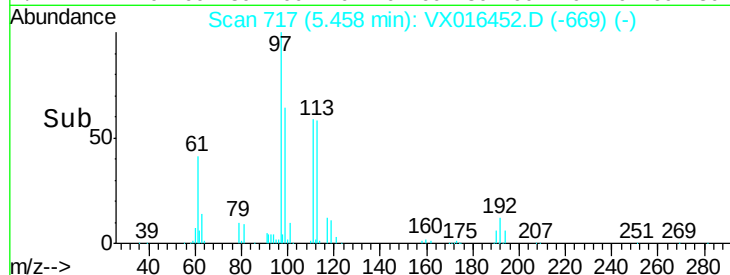
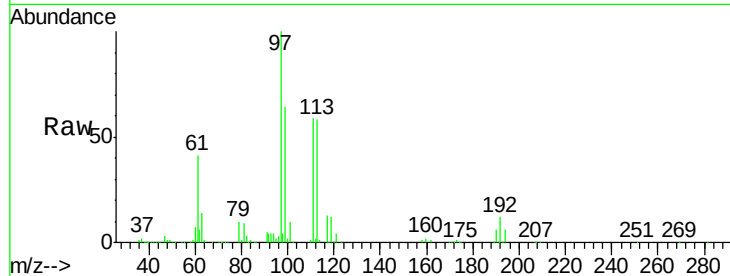
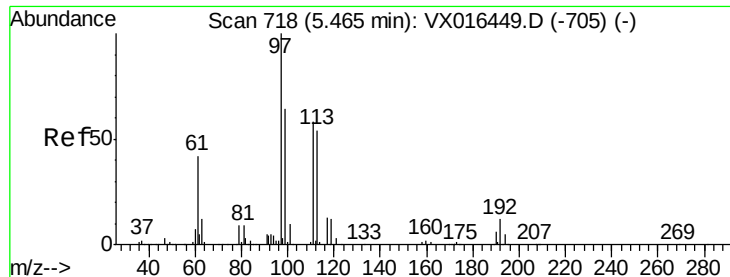


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





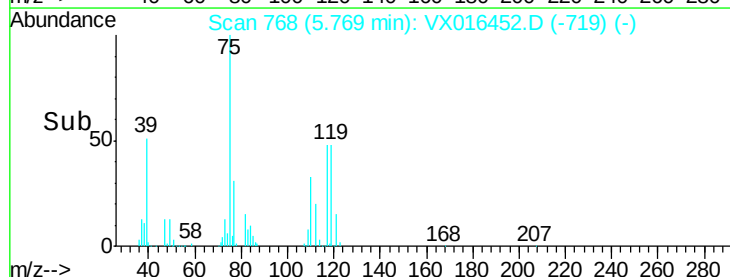
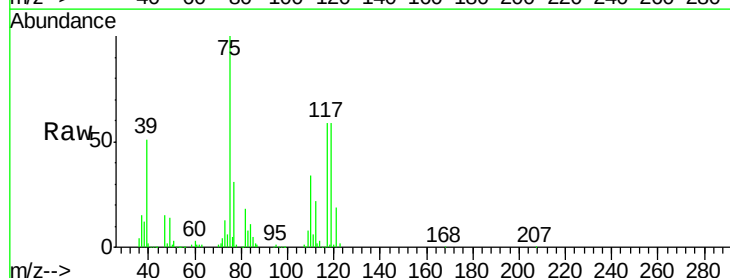
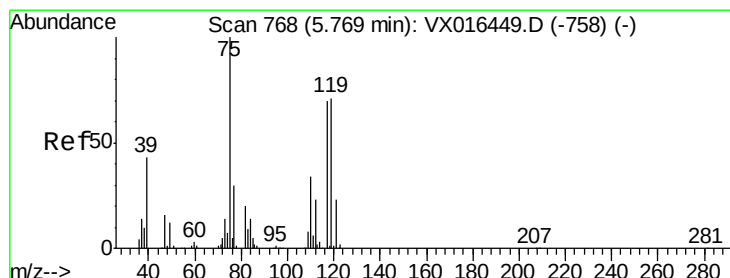
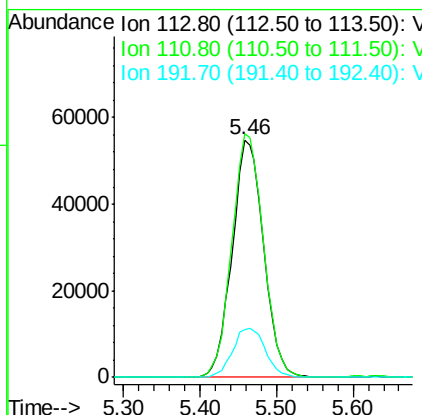
#35
Dibromofluoromethane
Concen: 50.700 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155912		
111	103.0	83.0	124.6	
192	21.5	17.7	26.5	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

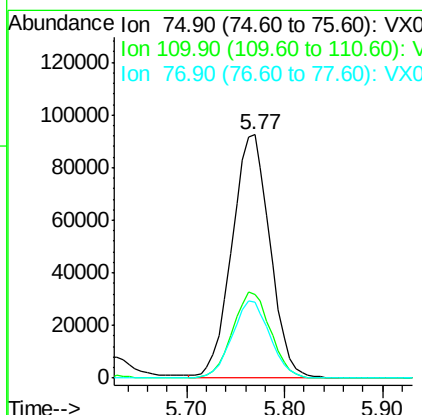
Manual Integrations
APPROVED

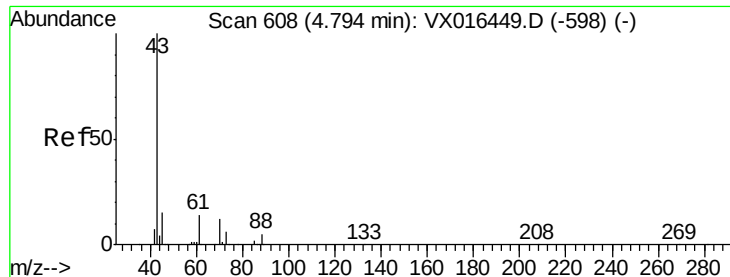
MMDadoda
5/28/2020 2:10:53 PM



#36
1,1-Dichloropropene
Concen: 52.658 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	249002		
110	35.5	17.4	52.3	
77	31.5	24.2	36.4	





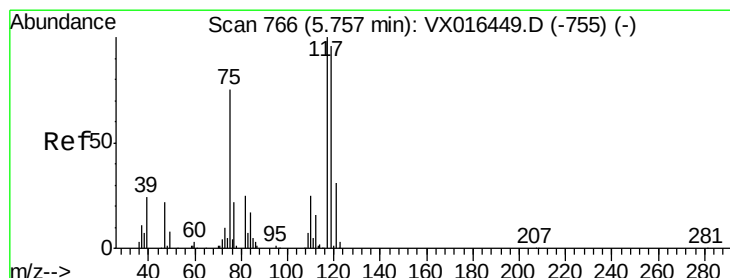
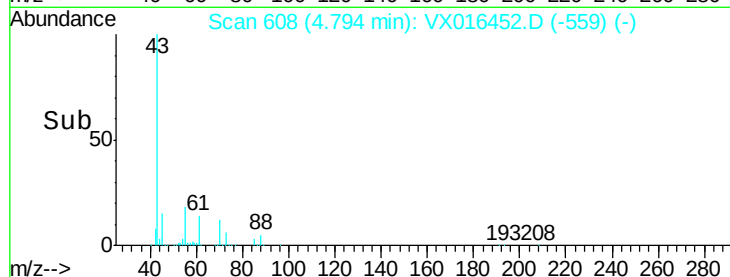
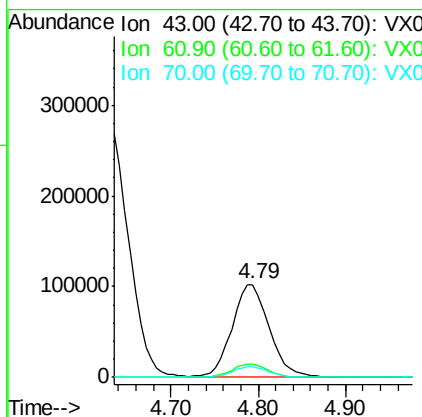
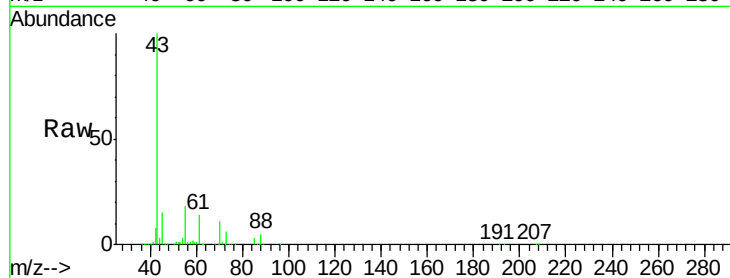
#37
Ethyl Acetate
Concen: 52.582 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	43	Resp	298514
Ion Ratio	Lower	Upper	
43	100		
61	14.2	11.3	16.9
70	11.7	9.3	13.9

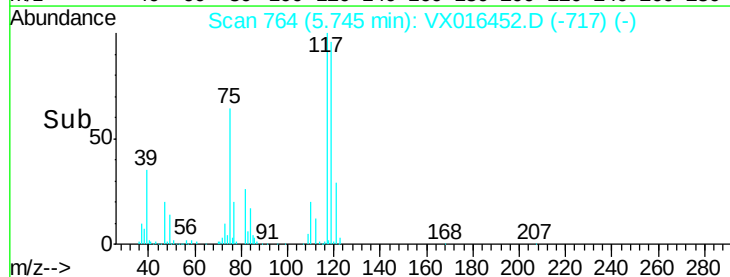
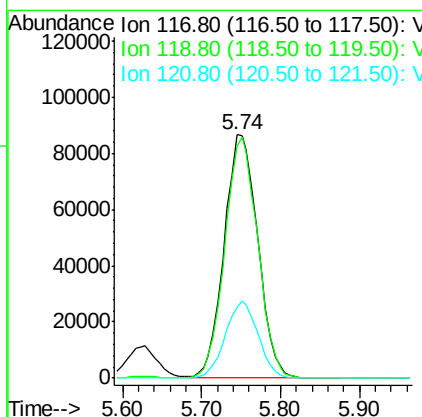
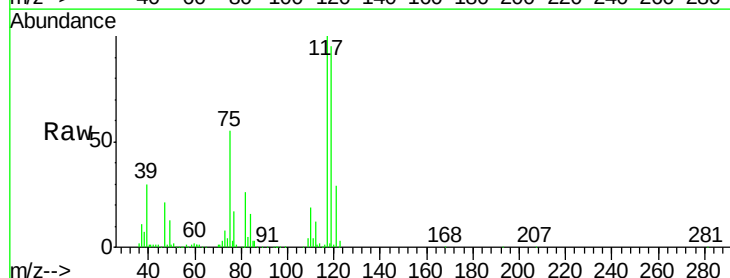
Manual Integrations
APPROVED

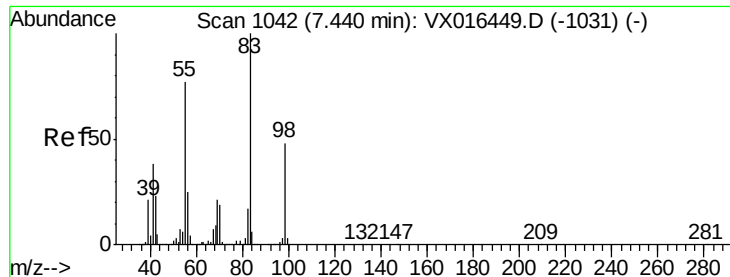
MMDadoda
5/28/2020 2:10:53 PM



#38
Carbon Tetrachloride
Concen: 51.751 ug/l
RT: 5.74 min Scan# 764
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	117	Resp	257168
Ion Ratio	Lower	Upper	
117	100		
119	95.2	76.3	114.5
121	29.3	24.6	37.0





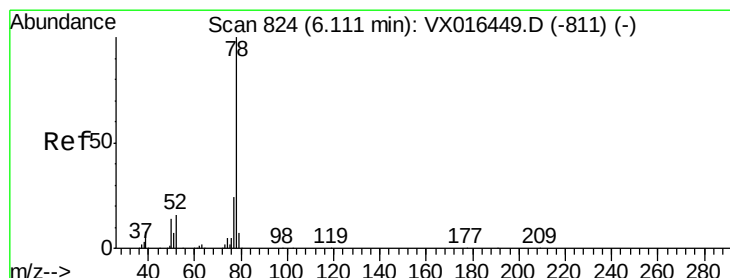
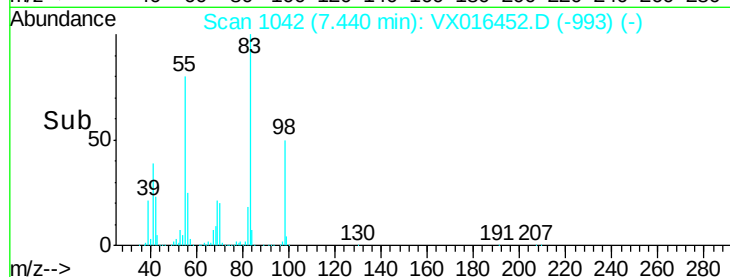
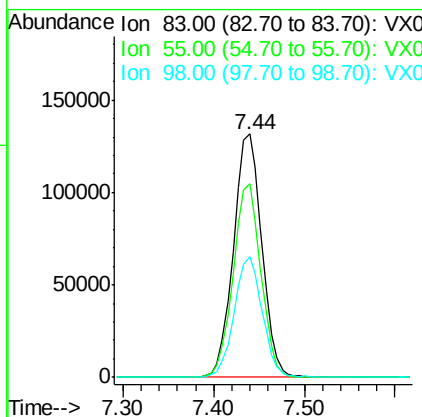
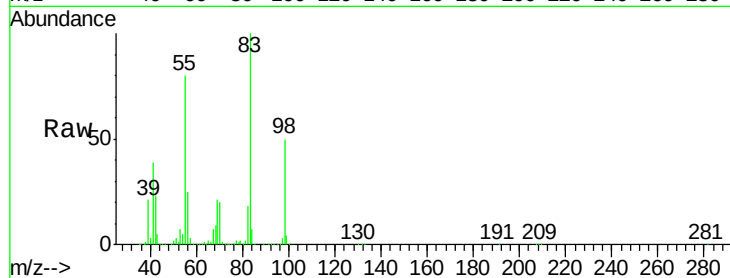
#39
Methylvlcyclohexane
Concen: 55.840 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
83	100	286802		
55	79.7		61.7	92.5
98	49.7		38.7	58.1

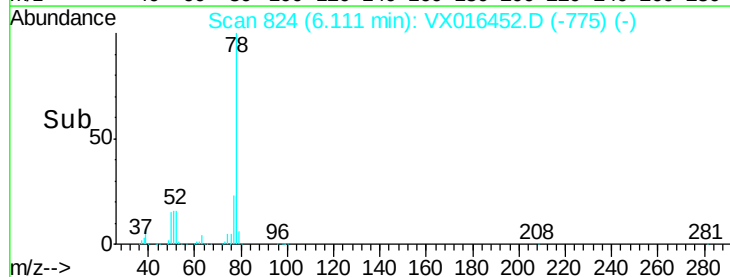
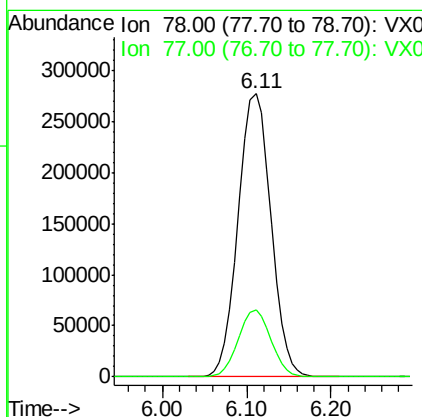
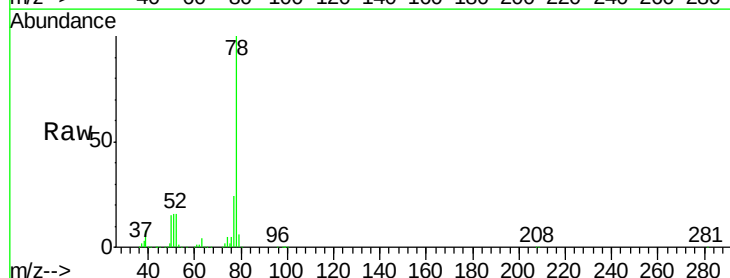
Manual Integrations
APPROVED

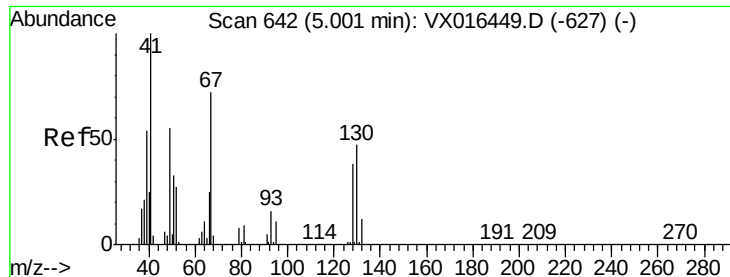
MMDadoda
5/28/2020 2:10:53 PM



#40
Benzene
Concen: 52.103 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	733697		
77	23.7		18.9	28.3





#41

Methacrylonitrile

Concen: 50.941 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

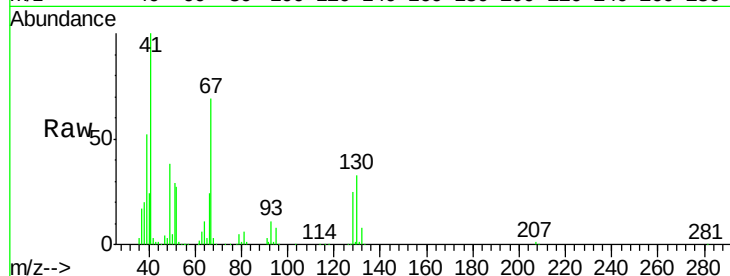
ClientSampleId :

ICVVX052720

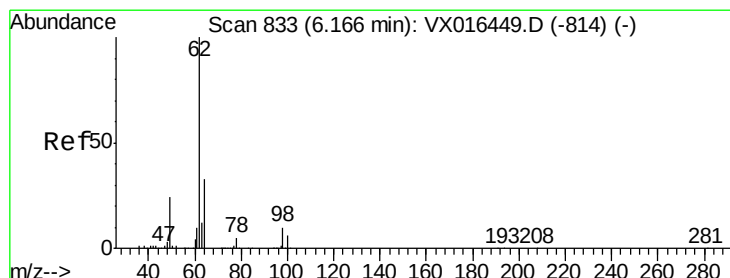
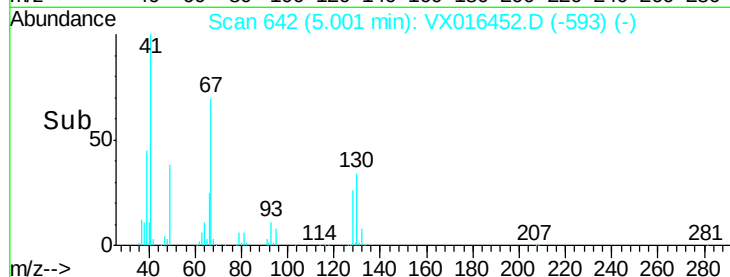
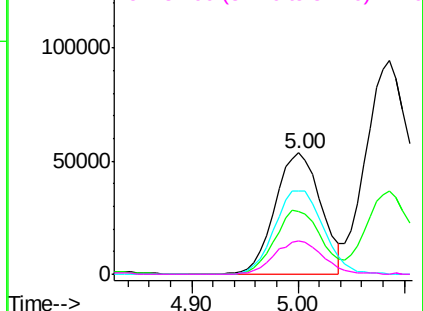
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.0	64.4
67	74.0	58.9	88.3
52	29.2	23.1	34.7

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:53 PM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.236 ug/l

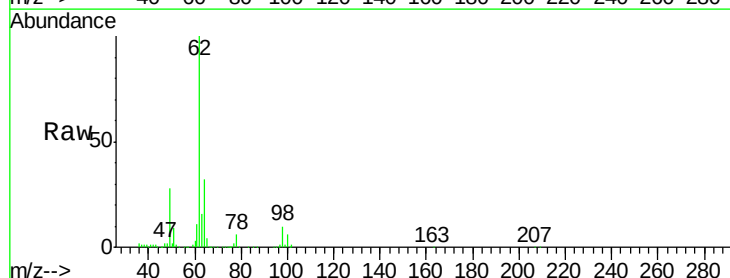
RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

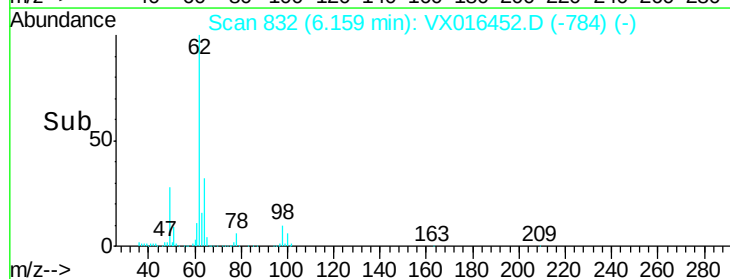
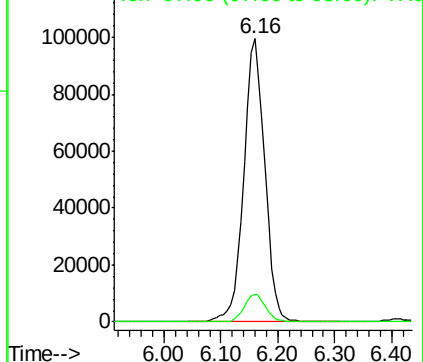
Lab File: VX016452.D

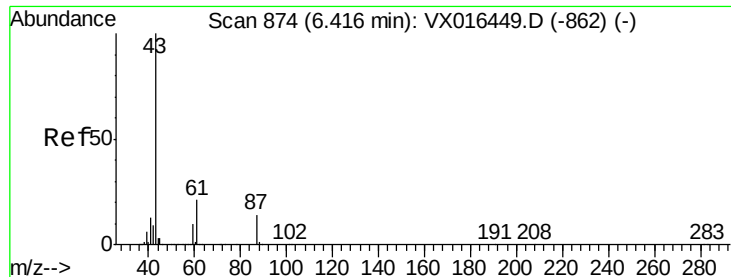
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.559 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

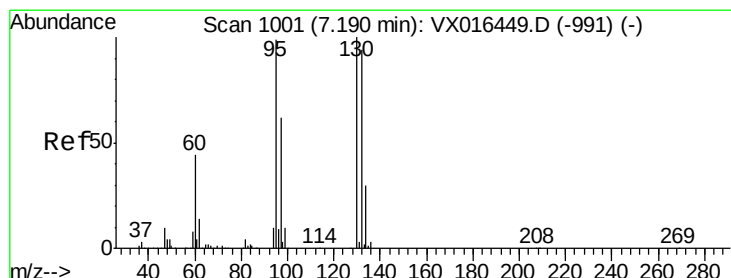
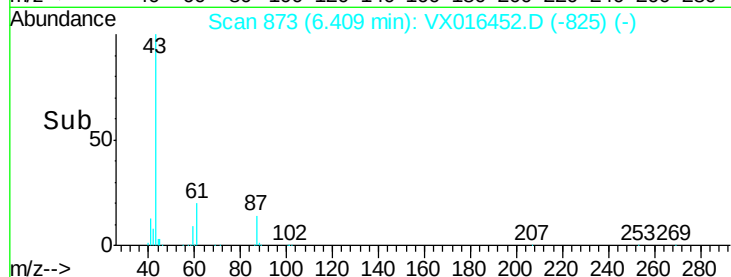
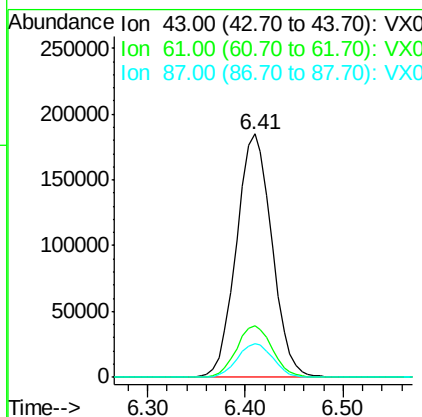
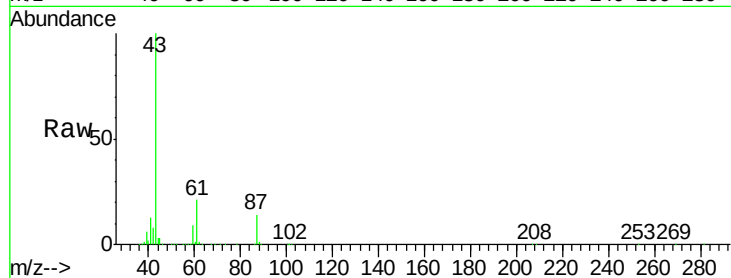
ClientSampleId :

ICVVX052720

Tot Ion:	43	Resp:	465422
Ion	Ratio	Lower	Upper
43	100		
61	21.5	16.8	25.2
87	14.1	11.2	16.8

Manual Integrations
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MMDadoda
5/28/2020 2:10:53 PM



#44

Trichloroethene

Concen: 51.113 ug/l

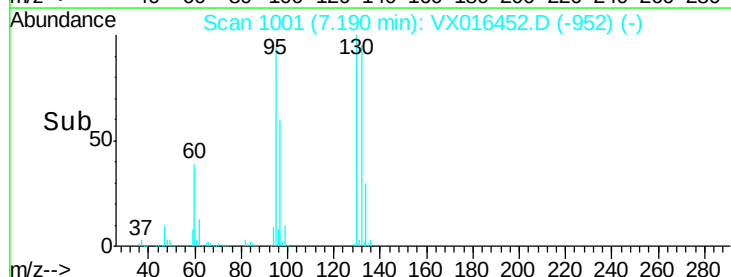
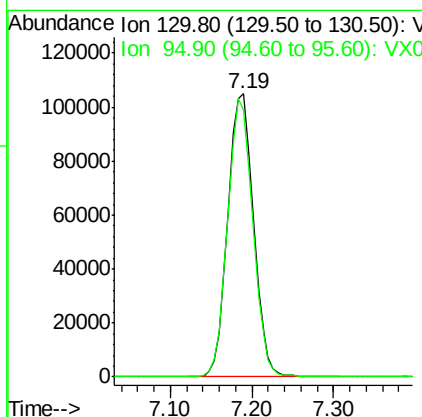
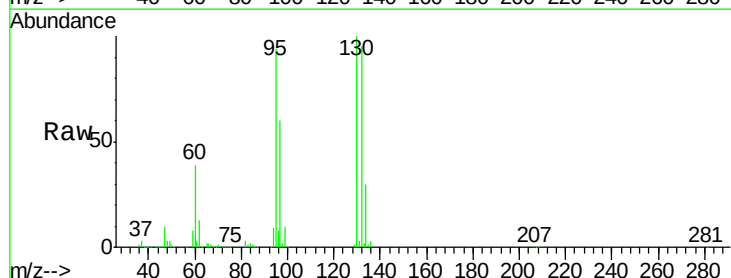
RT: 7.19 min Scan# 1001

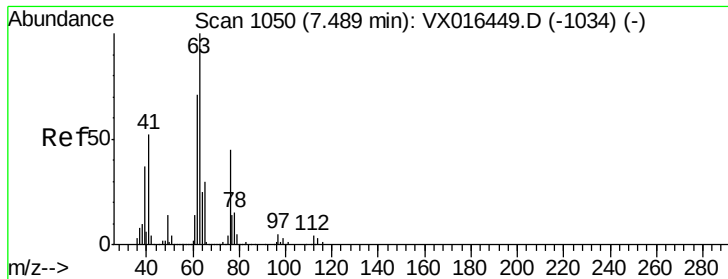
Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion:	130	Resp:	228365
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	198.2





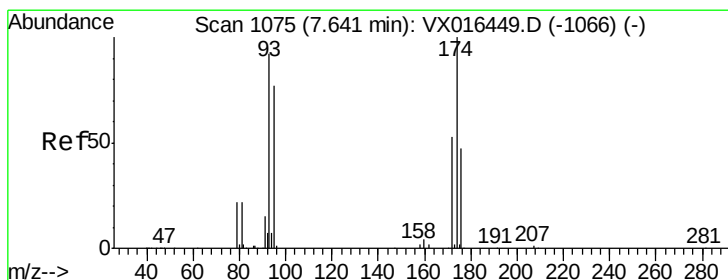
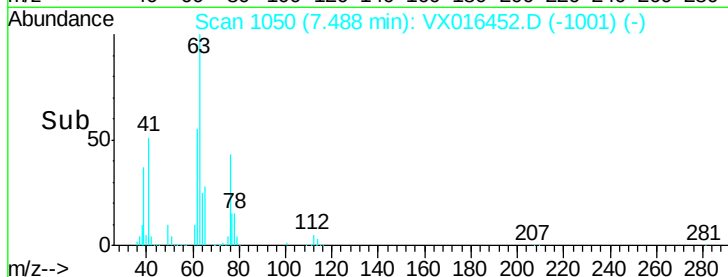
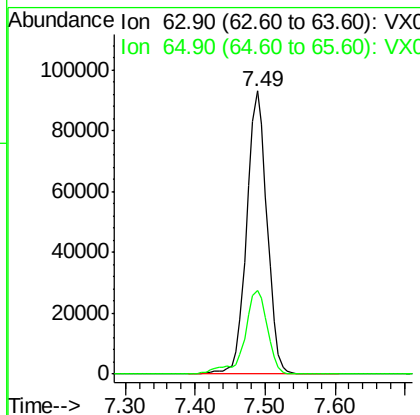
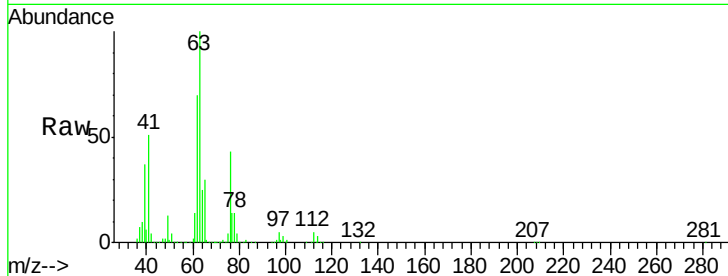
#45
 1,2-Dichloropropane
 Concen: 52.543 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.2	36.2

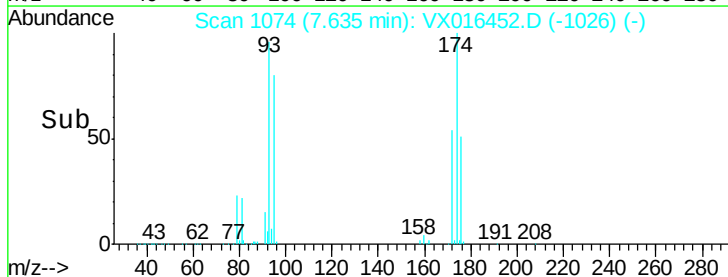
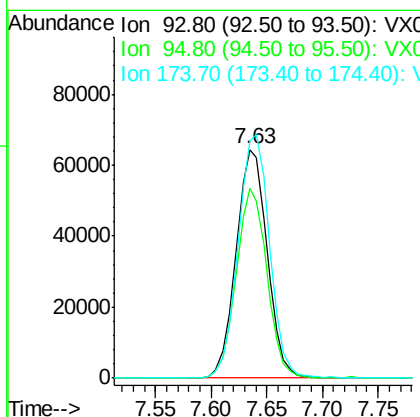
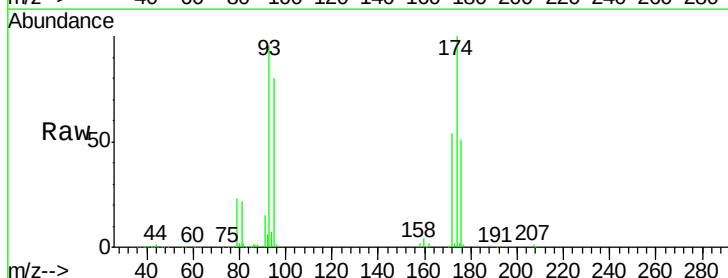
Manual Integrations
 APPROVED

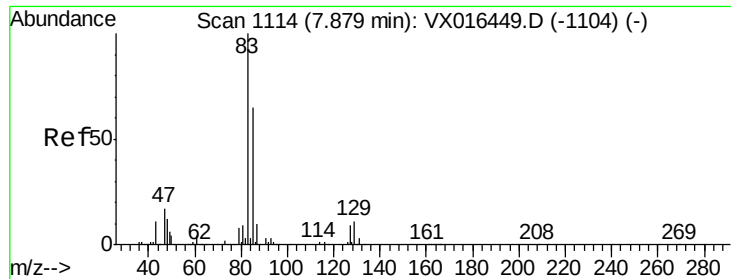
MMDadoda
 5/28/2020 2:10:53 PM



#46
 Dibromomethane
 Concen: 51.764 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.6	100.0
174	108.1	86.2	129.4





#47

Bromodichloromethane

Concen: 52.426 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

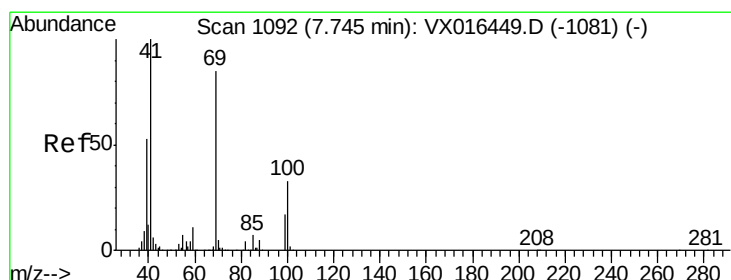
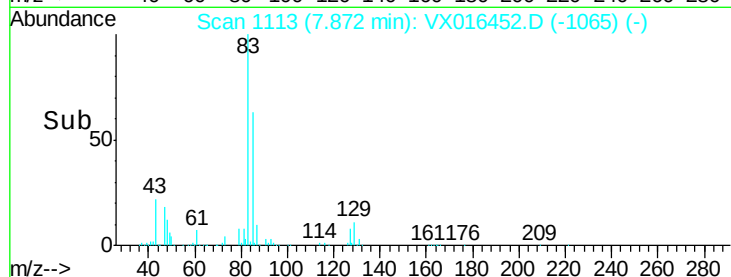
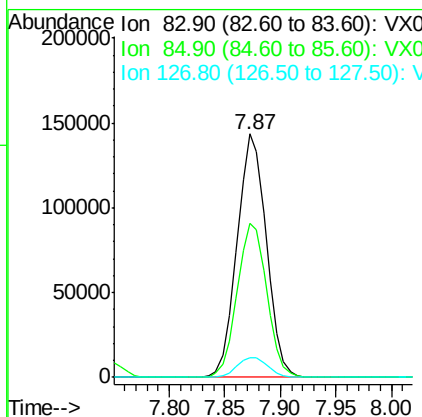
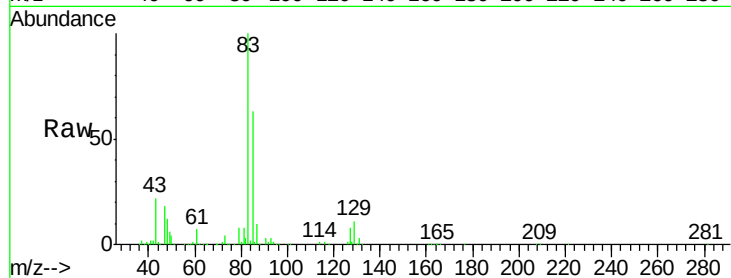
ClientSampleId :

ICVVX052720

Tot Ion:	83	Resp:	261378
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.0	78.0
127	8.3	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:53 PM



#48

Methyl methacrylate

Concen: 53.570 ug/l

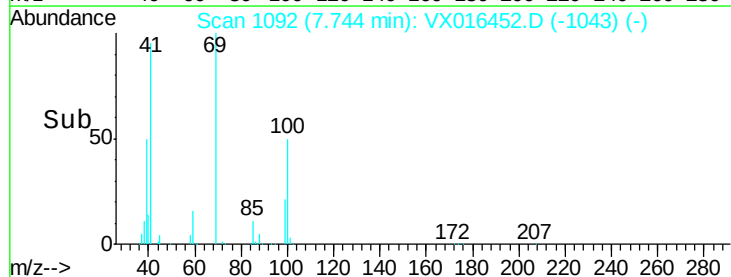
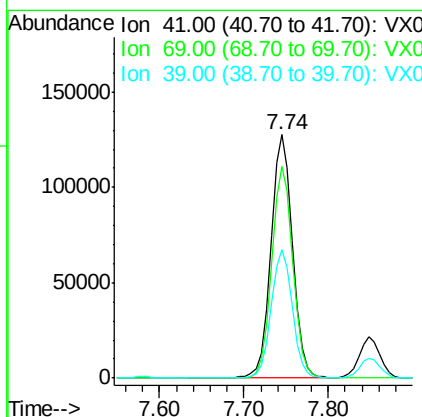
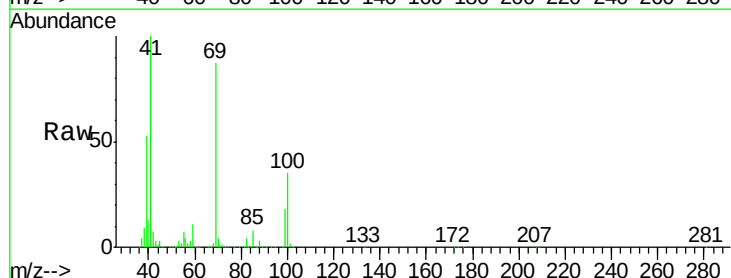
RT: 7.74 min Scan# 1092

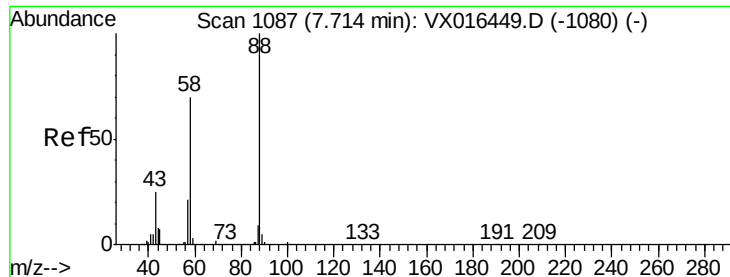
Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion:	41	Resp:	227133
Ion	Ratio	Lower	Upper
41	100		
69	85.3	68.6	102.8
39	51.8	42.4	63.6





#49

1,4-Dioxane

Concen: 1060.859 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

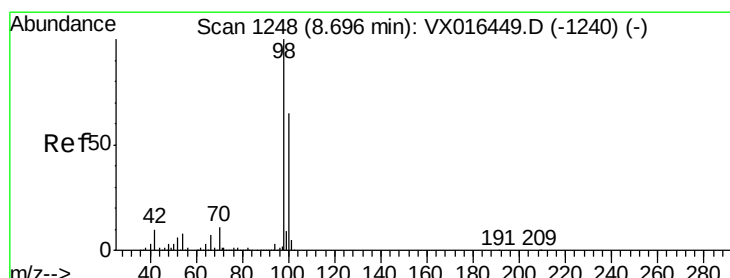
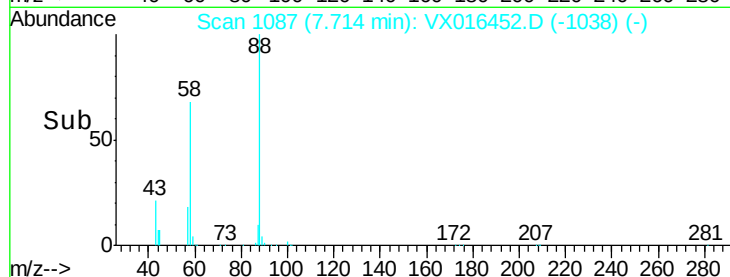
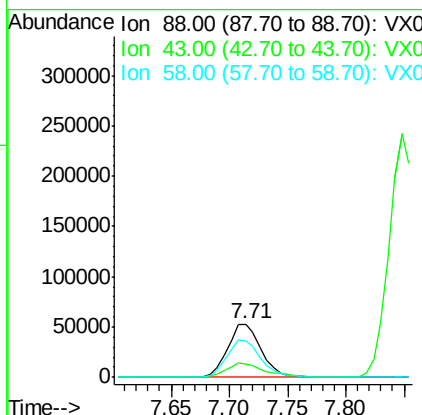
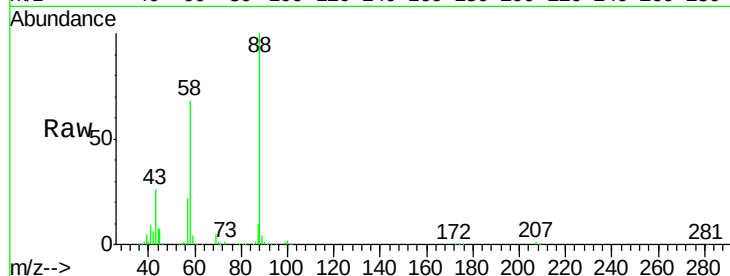
ClientSampleId :

ICVVX052720

Tot Ion:	88	Resp:	105264
Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.2	36.4
58	71.9	56.5	84.7

Manual Integrations
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#50

Toluene-d8

Concen: 52.384 ug/l

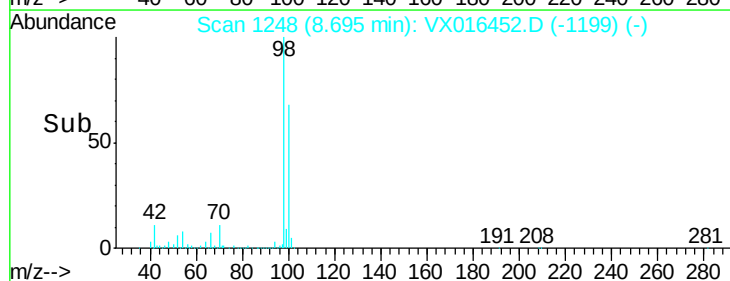
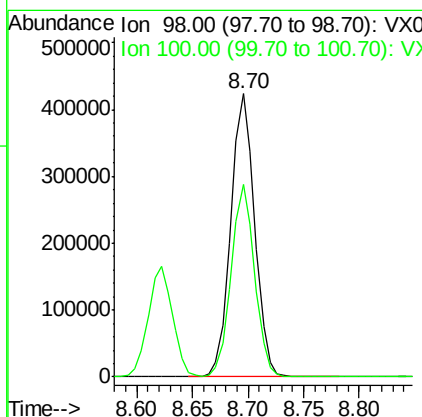
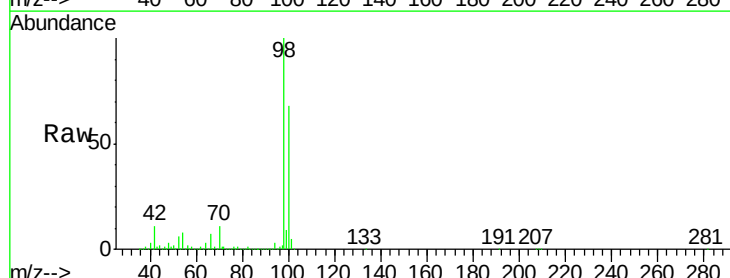
RT: 8.70 min Scan# 1248

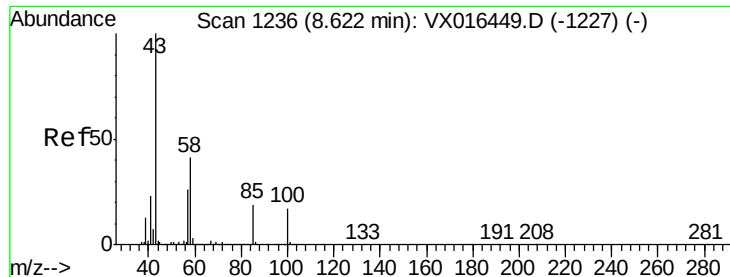
Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion:	98	Resp:	627008
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 271.981 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion: 43 Resp: 1499669

Ion Ratio Lower Upper

43 100

58 41.3

33.0

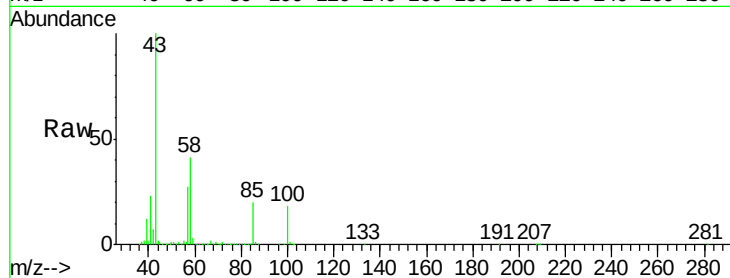
49.6

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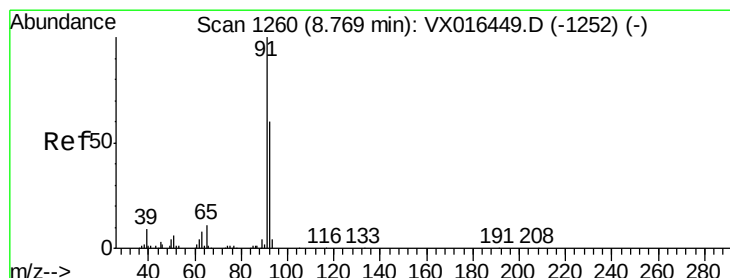
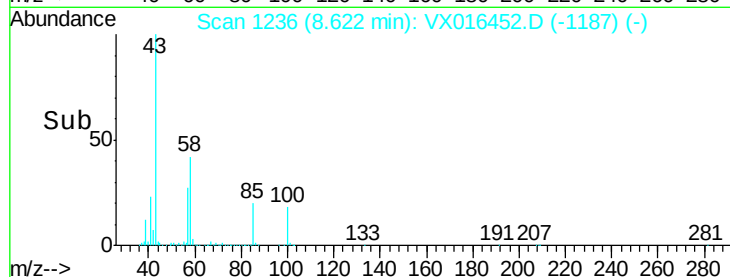
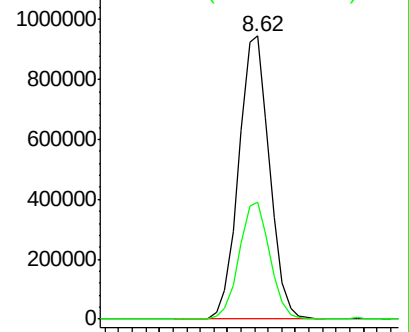
MMDadoda

5/28/2020 2:10:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.741 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion: 92 Resp: 468335

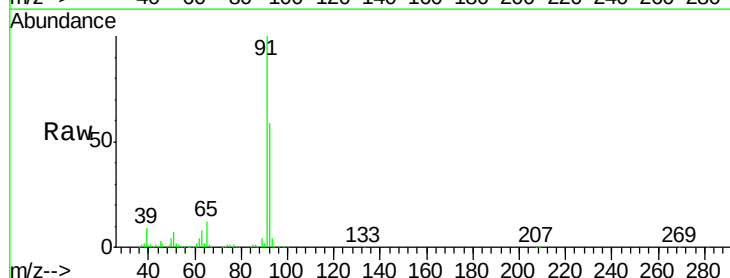
Ion Ratio Lower Upper

92 100

91 169.2

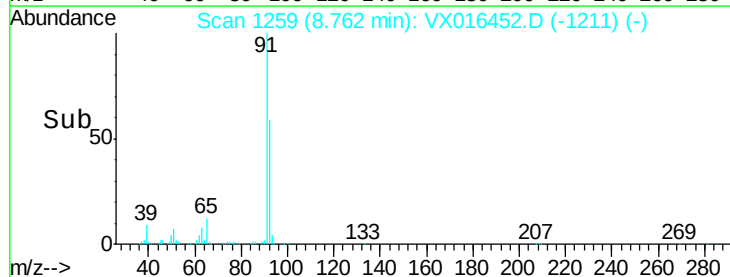
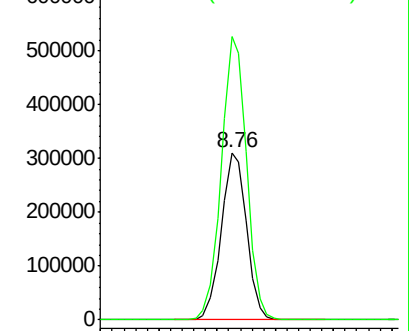
135.0

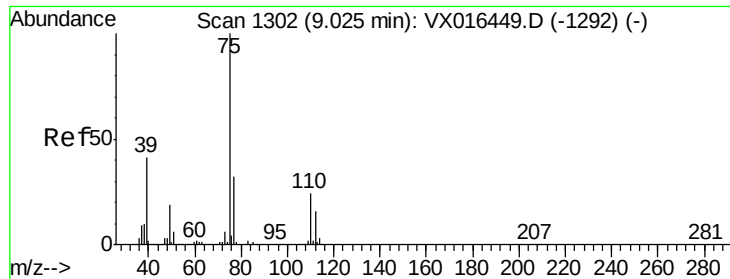
202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





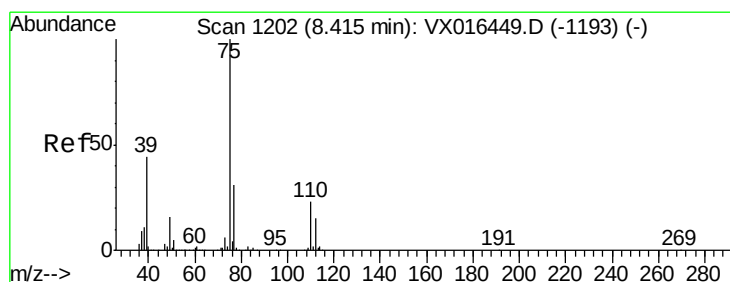
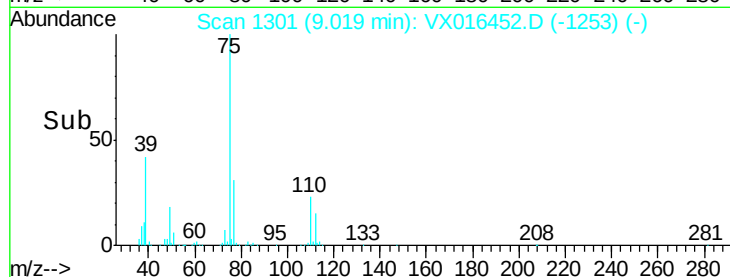
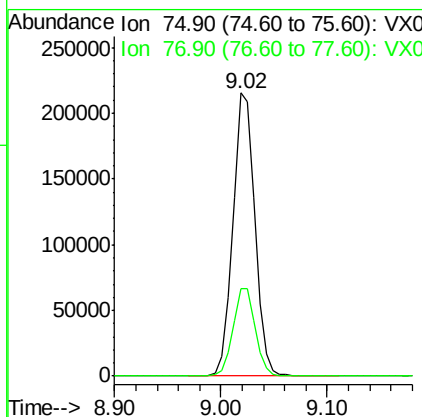
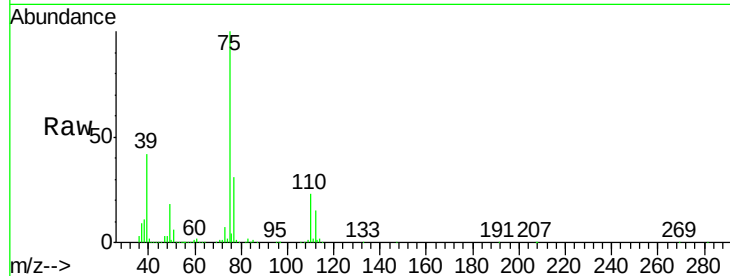
#53
t-1,3-Dichloropropene
Concen: 55.133 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
75	100	312563		
77	31.1	25.5	38.3	

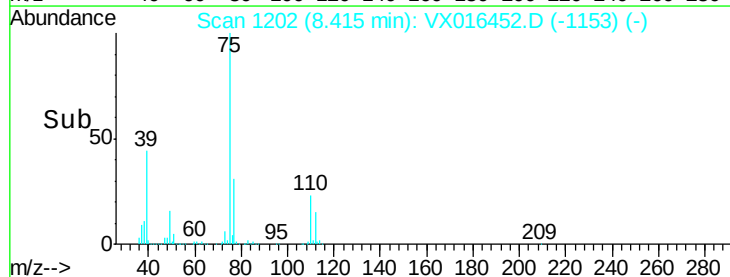
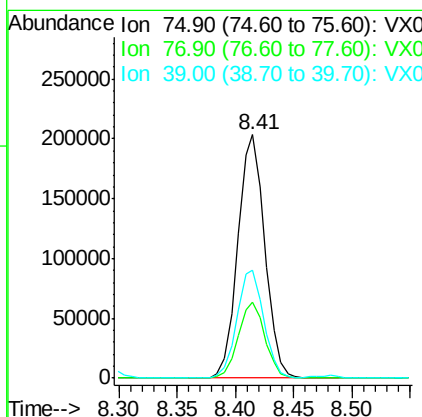
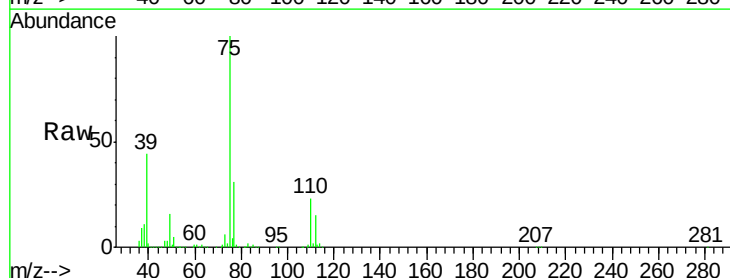
Manual Integrations
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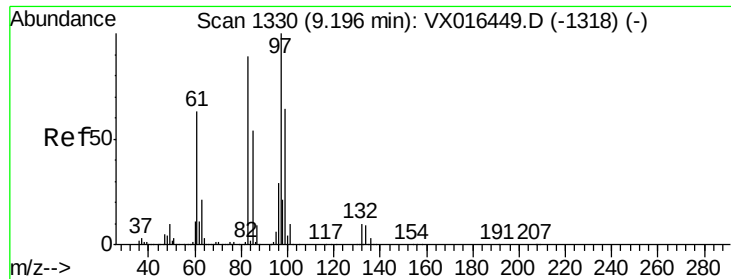
MMDadoda
5/28/2020 2:10:53 PM



#54
cis-1,3-Dichloropropene
Concen: 54.700 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	328236		
77	31.0	24.6	36.8	
39	44.2	35.3	52.9	





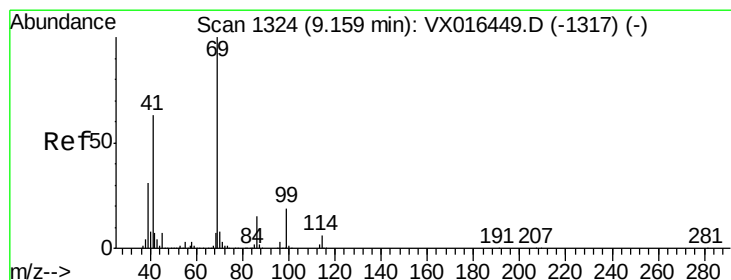
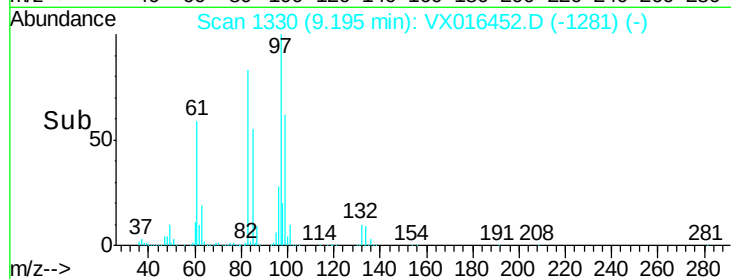
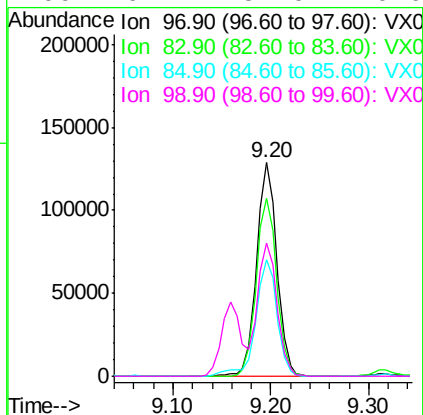
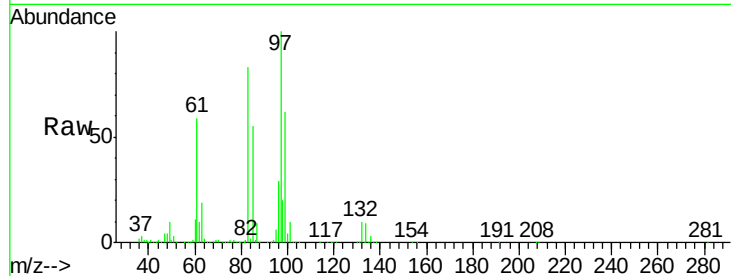
#55
 1,1,2-Trichloroethane
 Concen: 52.502 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		185364		
83	83.2	70.9	106.3		
85	54.5	43.4	65.2		
99	62.1	51.0	76.6		

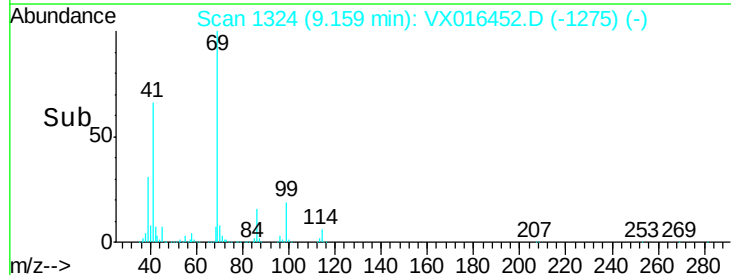
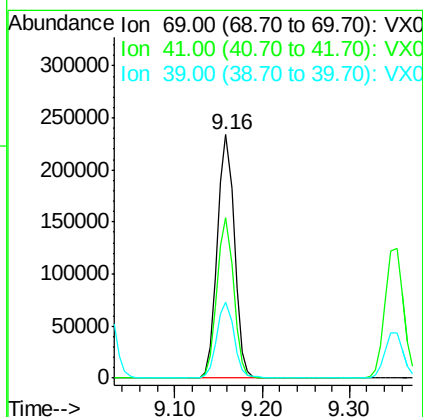
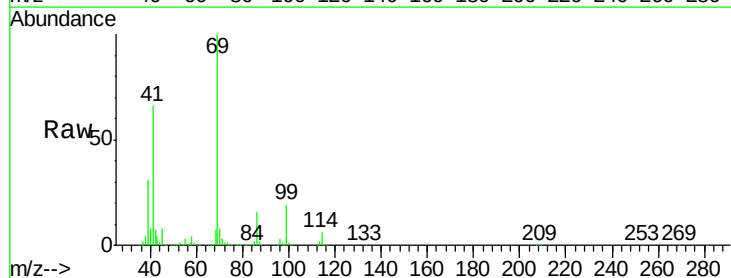
Manual Integrations
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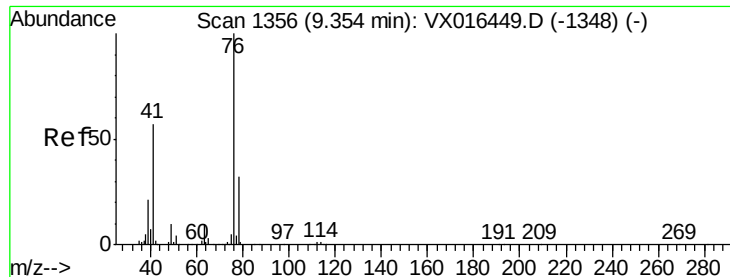
MMDadoda
 5/28/2020 2:10:53 PM



#56
 Ethyl methacrylate
 Concen: 54.872 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		315517		
41	64.2	50.7	76.1		
39	31.7	25.8	38.6		





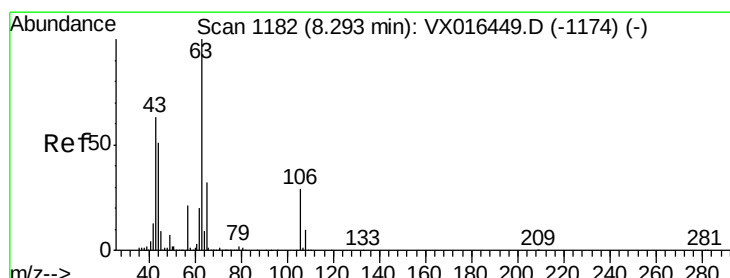
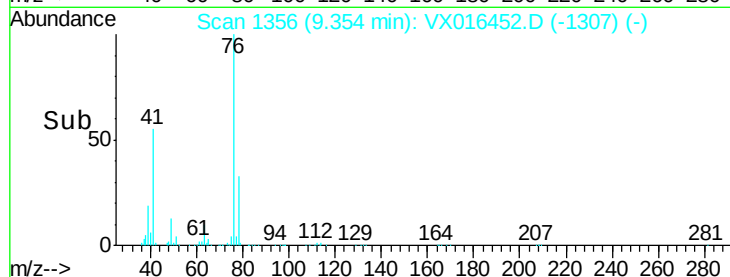
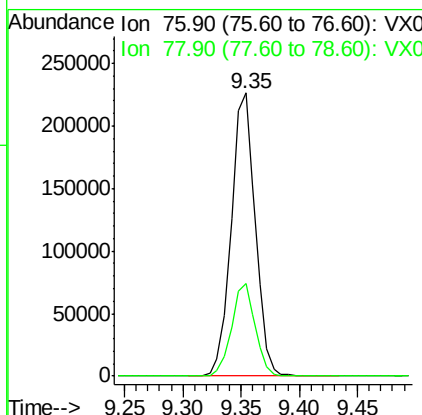
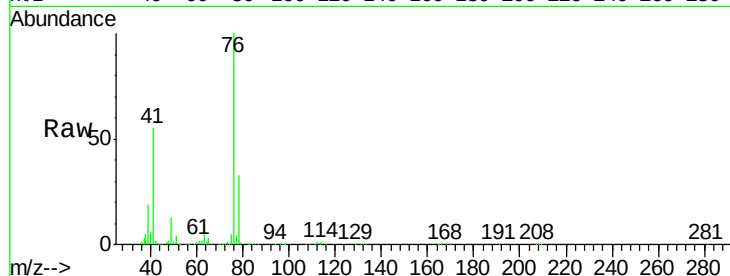
#57
 1,3-Dichloropropane
 Concen: 53.563 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

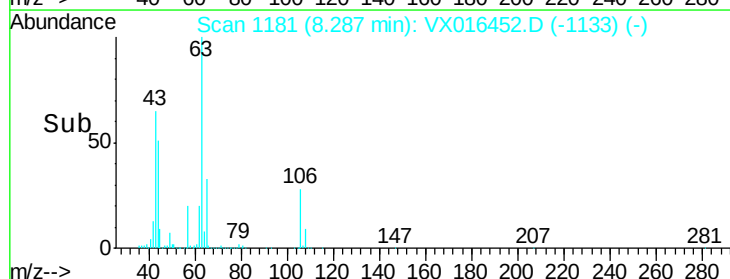
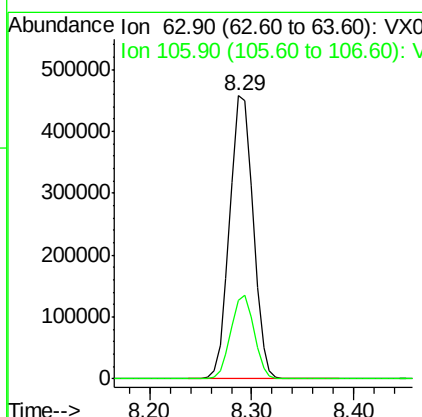
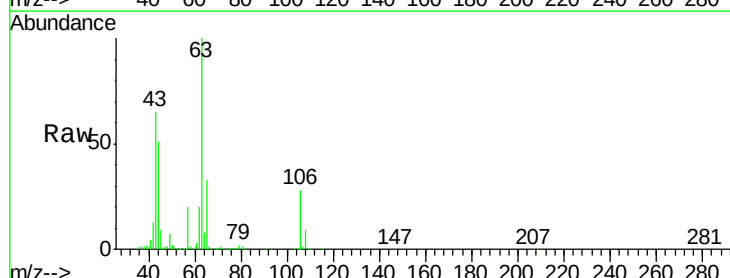
Manual Integrations
 APPROVED

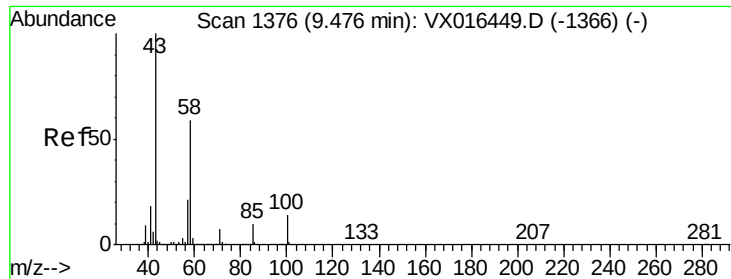
MMDadoda
 5/28/2020 2:10:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.227 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.2	34.8





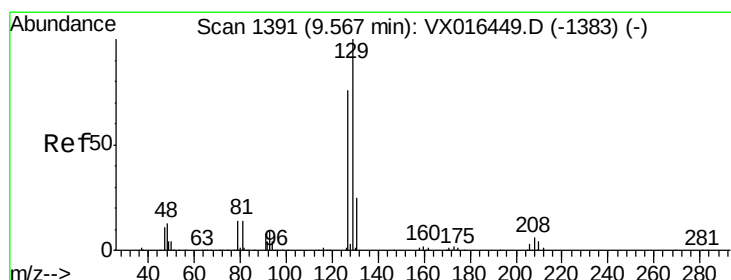
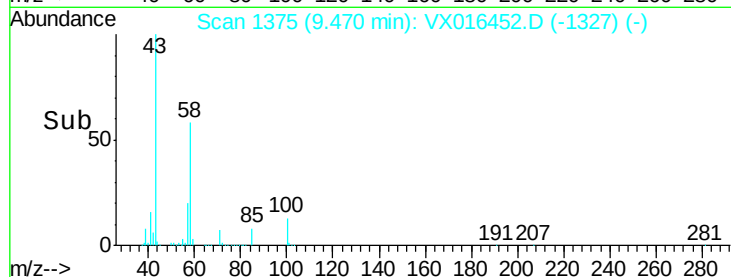
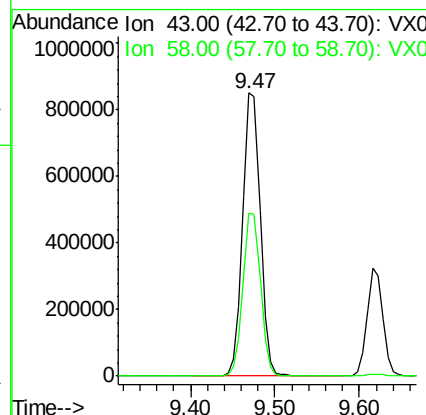
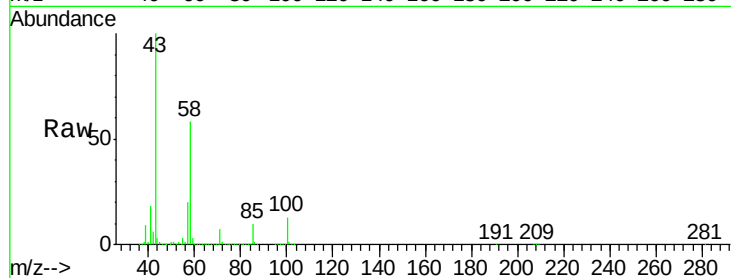
#59
2-Hexanone
Concen: 277.265 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion: 43 Resp: 1188887
Ion Ratio Lower Upper
43 100
58 57.7 28.8 86.4

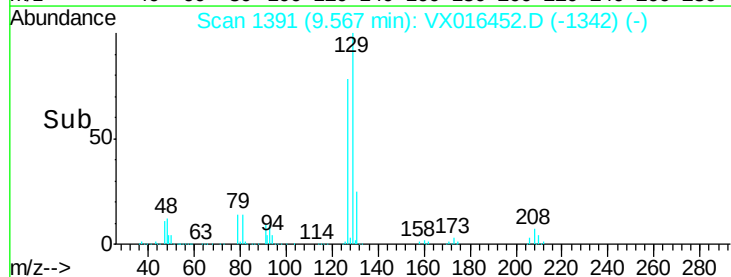
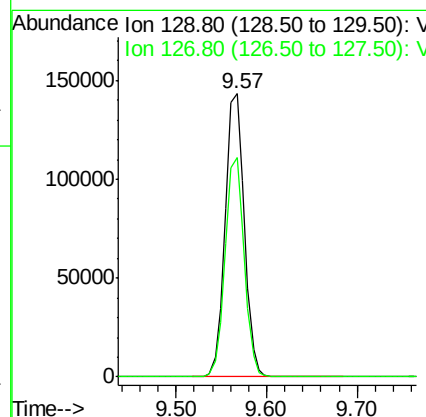
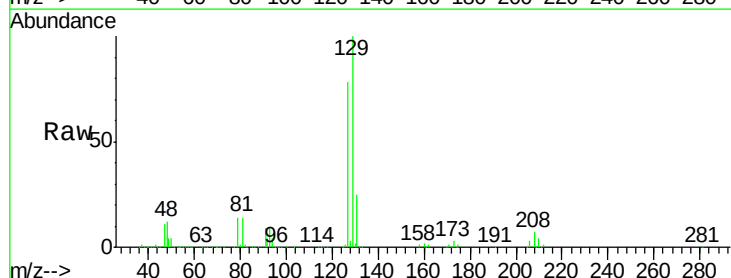
Manual Integrations
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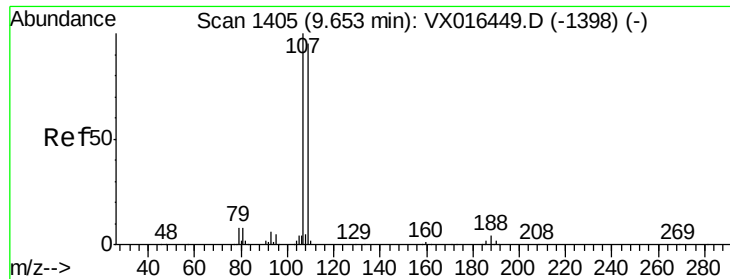
MMDadoda
5/28/2020 2:10:53 PM



#60
Dibromochloromethane
Concen: 53.252 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion: 129 Resp: 211582
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.749 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion: 107 Resp: 199434

Ion Ratio Lower Upper

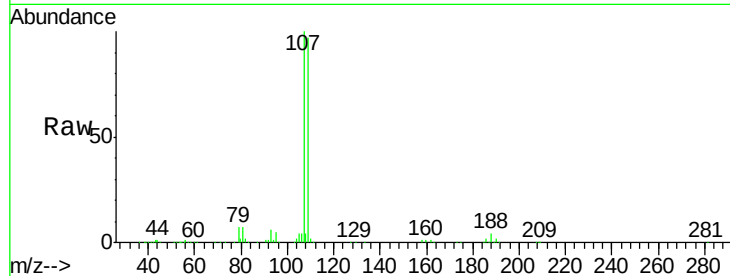
107 100

109 95.9 75.5 113.3

Manual Integrations
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MMDadoda

5/28/2020 2:10:53 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

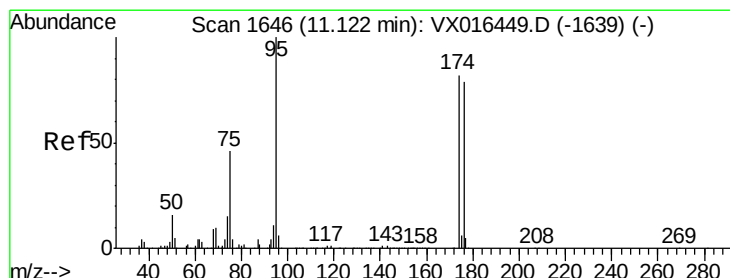
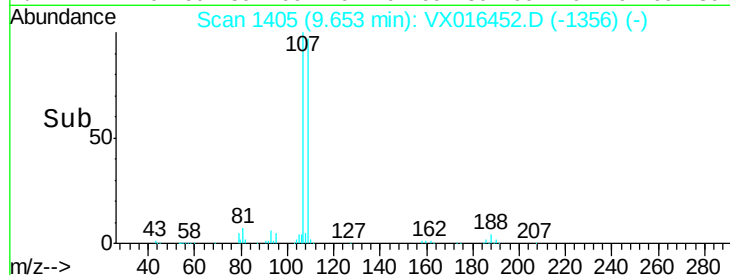
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.365 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

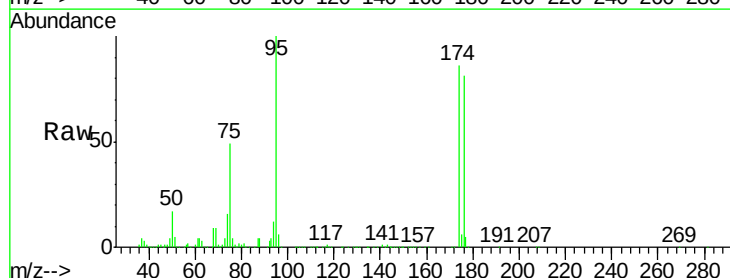
Tgt Ion: 95 Resp: 242188

Ion Ratio Lower Upper

95 100

174 81.8 0.0 163.0

176 80.1 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

250000

200000

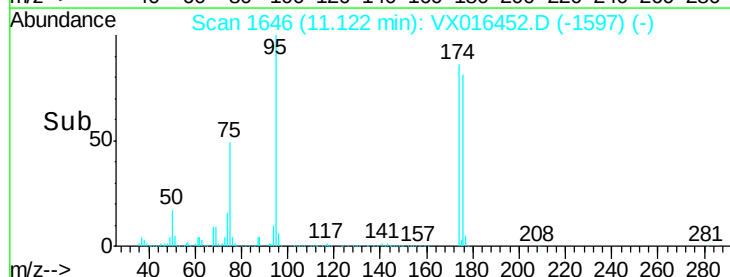
150000

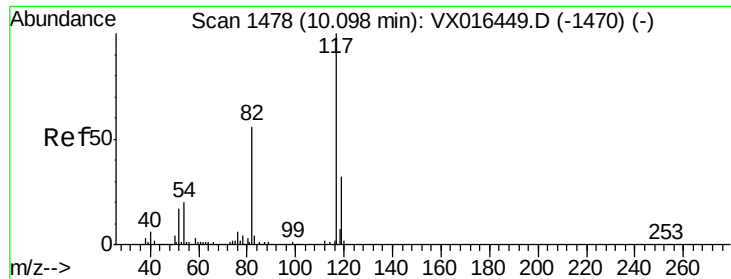
100000

50000

0

Time-->





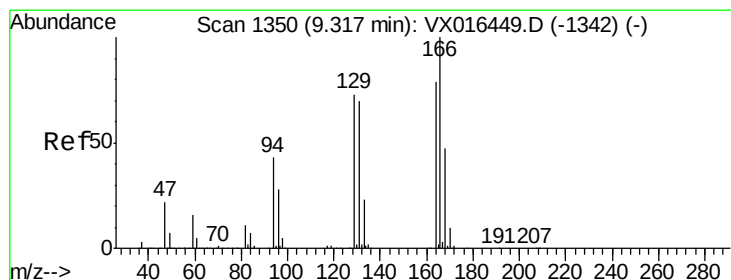
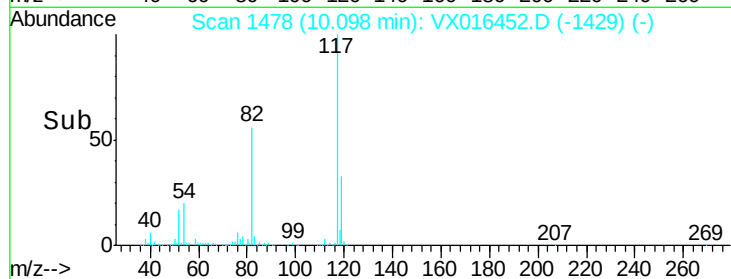
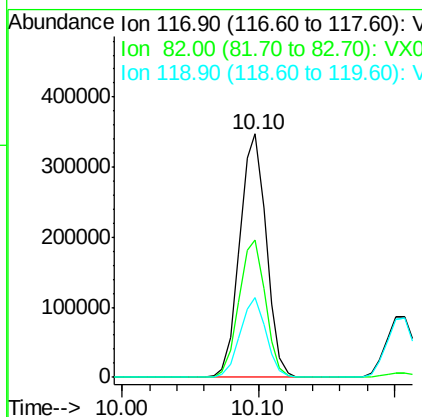
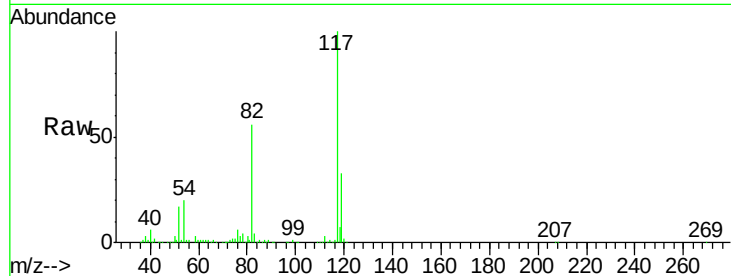
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.0	67.6
119	32.5	25.8	38.8

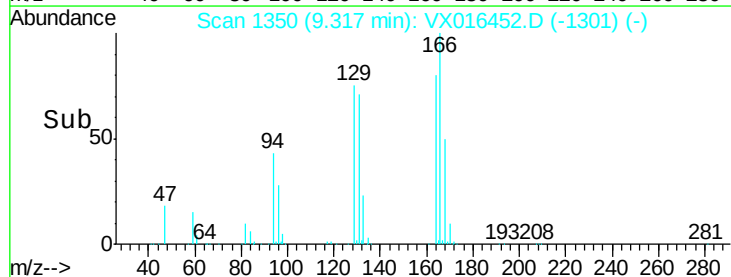
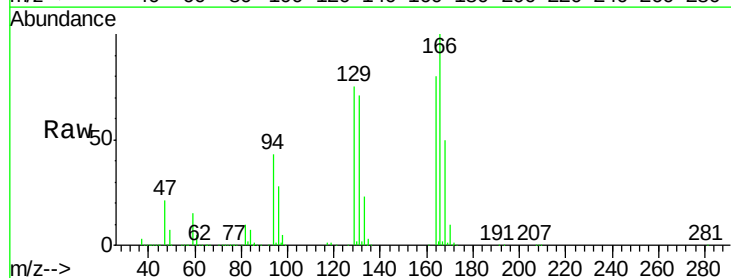
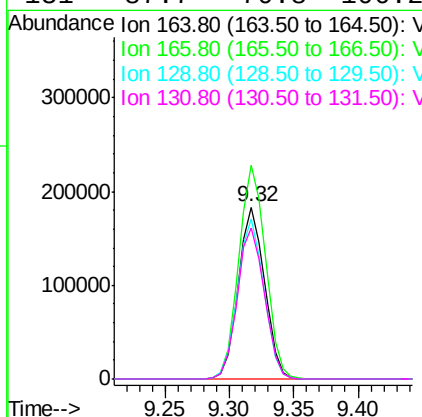
Manual Integrations
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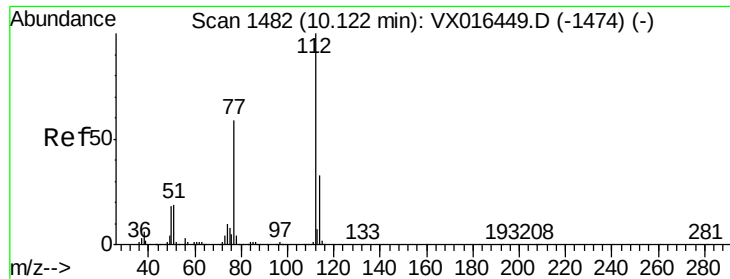
MMDadoda
5/28/2020 2:10:53 PM



#64
Tetrachloroethene
Concen: 49.107 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.9	151.3
129	93.3	73.2	109.8
131	87.7	70.8	106.2





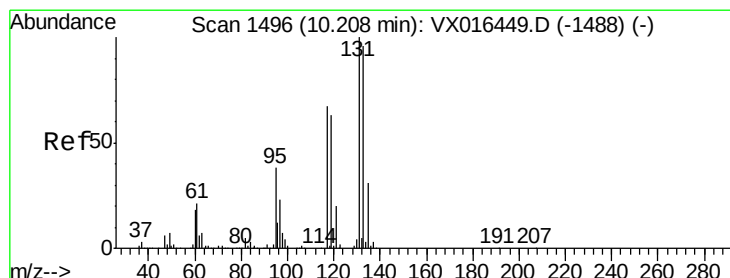
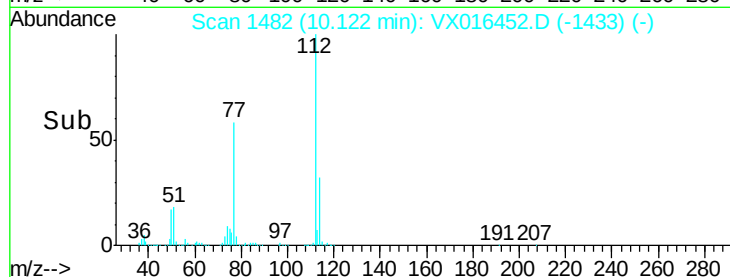
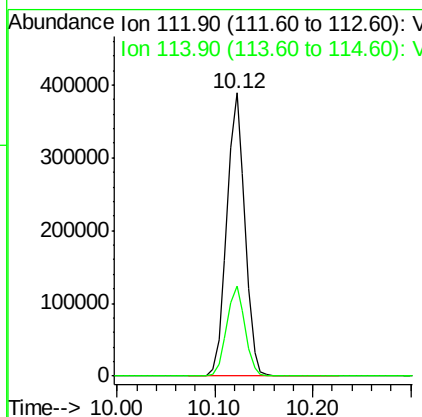
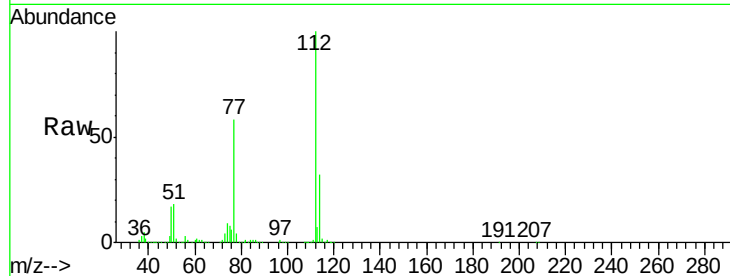
#65
Chlorobenzene
Concen: 51.949 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0

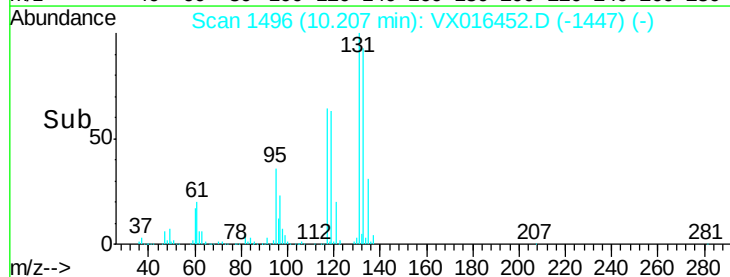
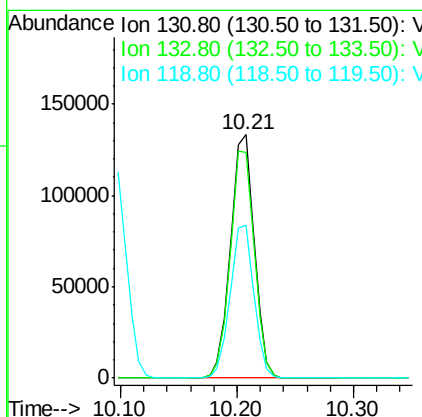
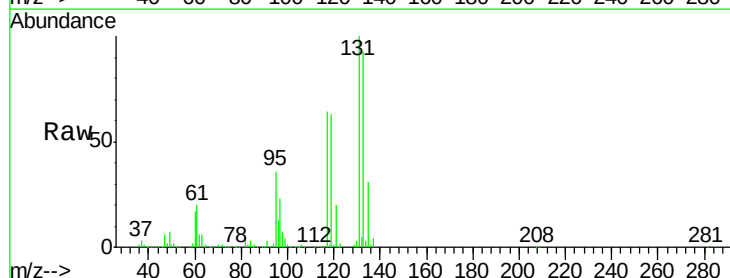
Manual Integrations
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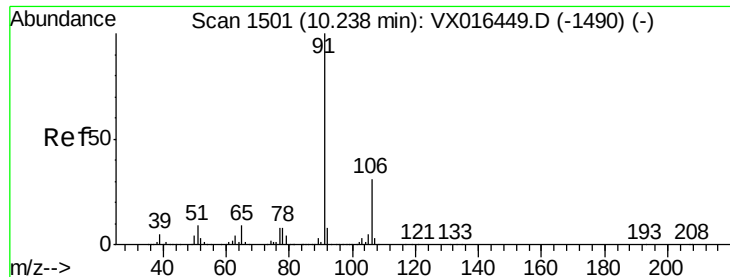
MMDadoda
5/28/2020 2:10:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.760 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.4	145.3
119	63.0	32.0	96.2





#67

Ethyl Benzene

Concen: 52.577 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampled :

ICVVX052720

Tot Ion: 91 Resp: 901305

Ion Ratio Lower Upper

91 100

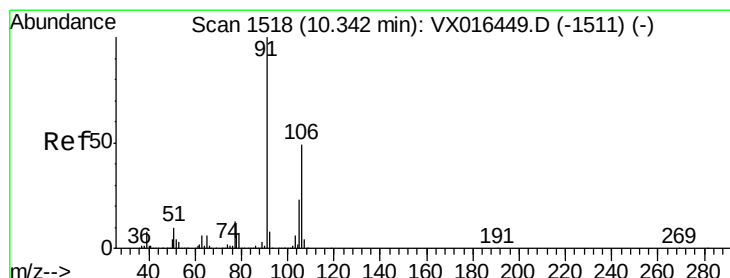
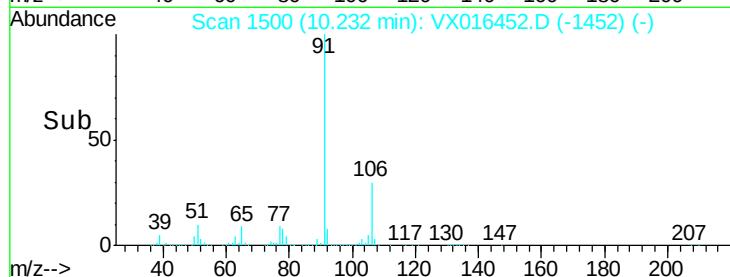
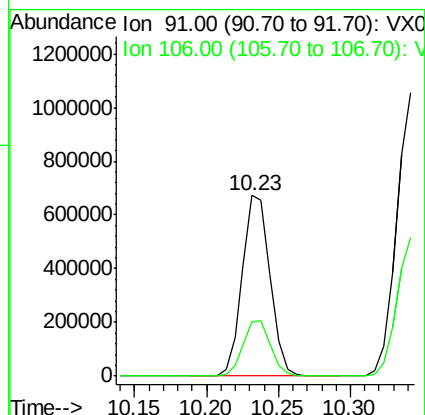
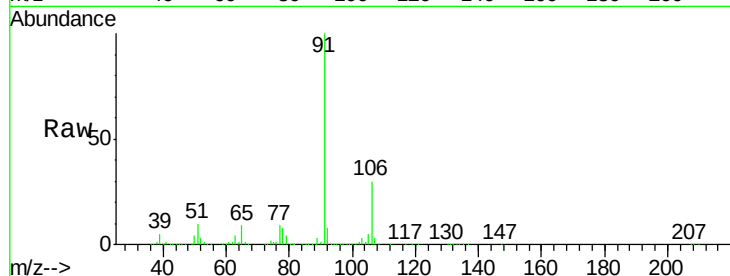
106 30.3 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.174 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016452.D

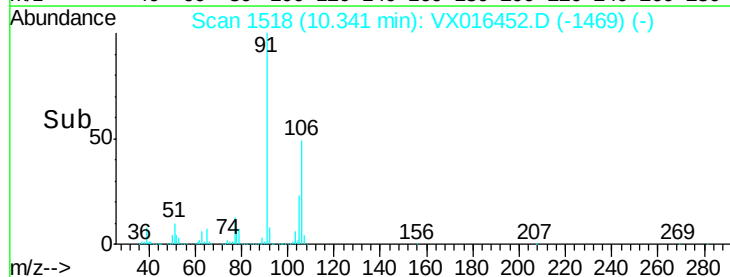
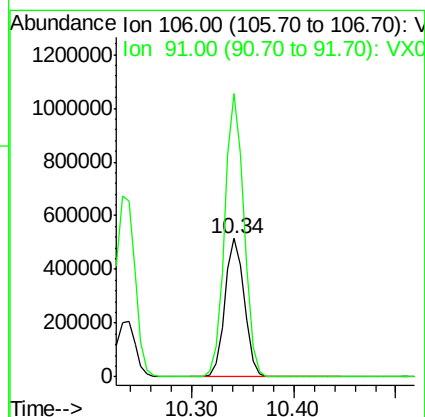
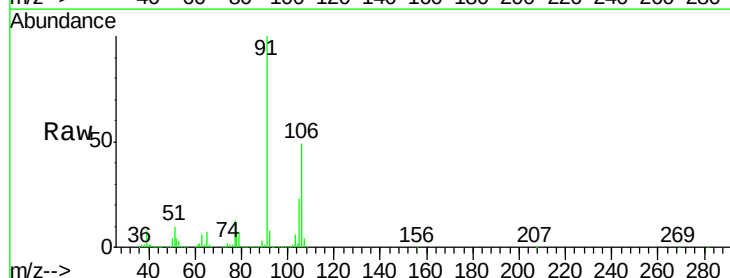
Acq: 27 May 2020 17:30

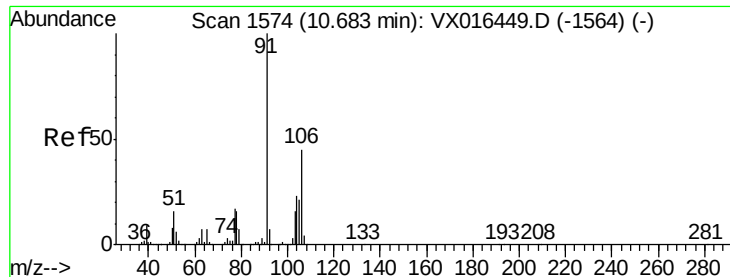
Tgt Ion: 106 Resp: 681196

Ion Ratio Lower Upper

106 100

91 203.4 163.8 245.8





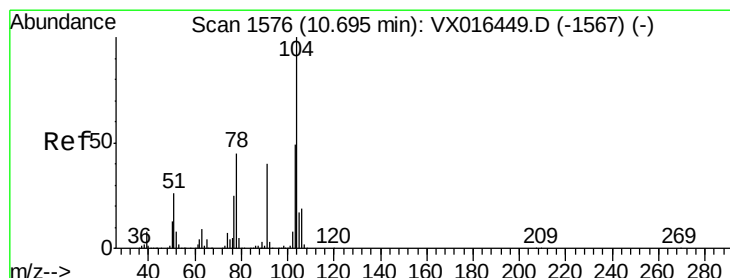
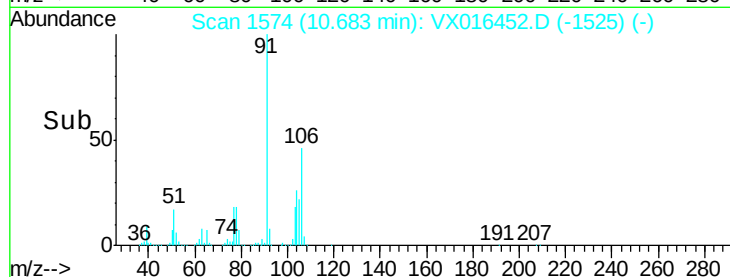
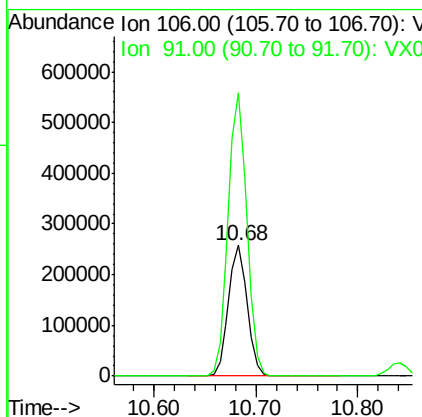
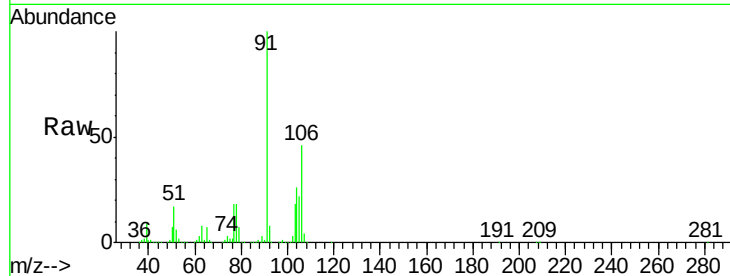
#69
o-Xylene
Concen: 52.816 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.0	109.6	325109		328.8

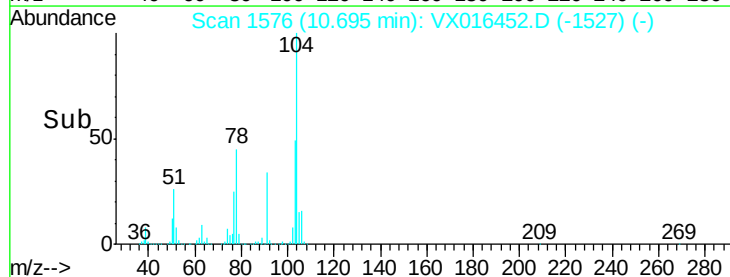
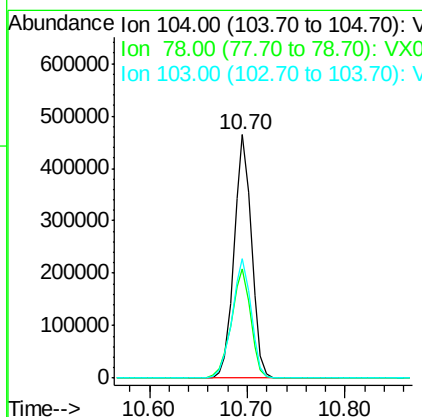
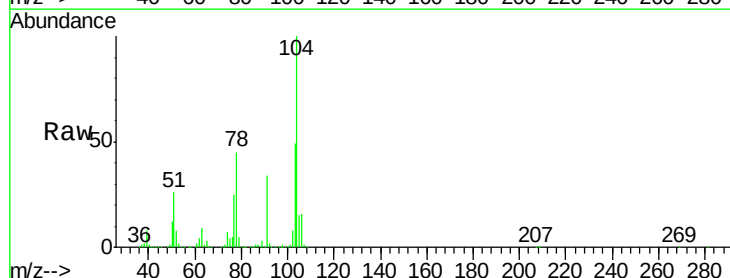
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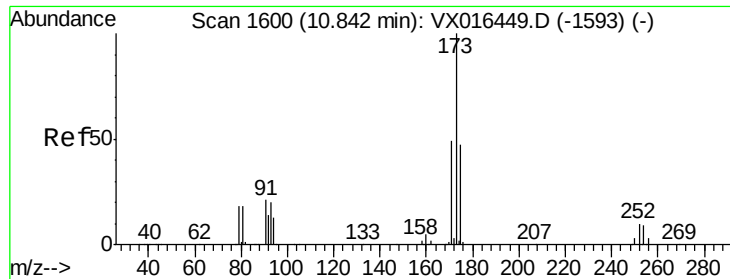
MMDadoda
5/28/2020 2:10:53 PM



#70
Styrene
Concen: 54.269 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.8	40.2	574185		60.2
103	53.6	43.1			64.7





#71

Bromoform

Concen: 52.671 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

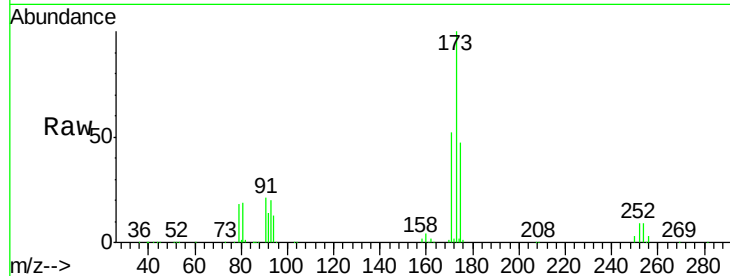
ClientSampleId :

ICVVX052720

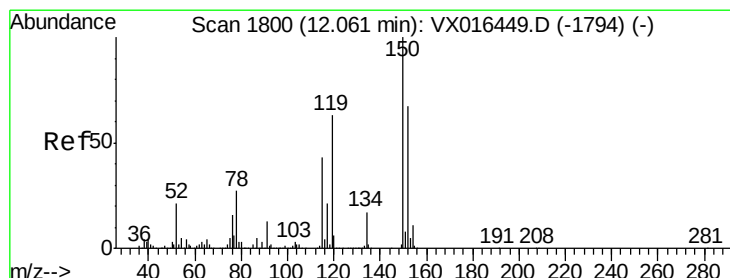
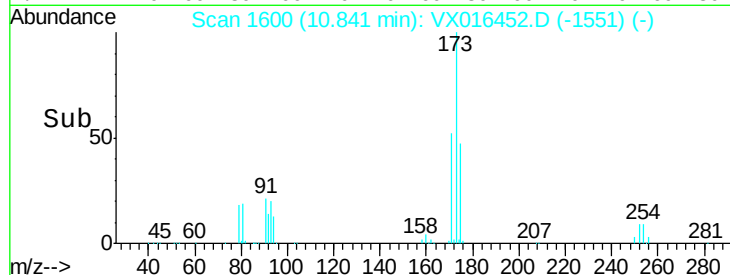
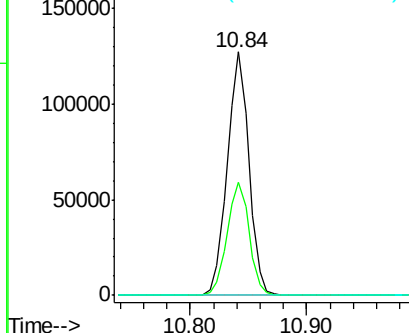
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.9	71.7
254	0.2	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

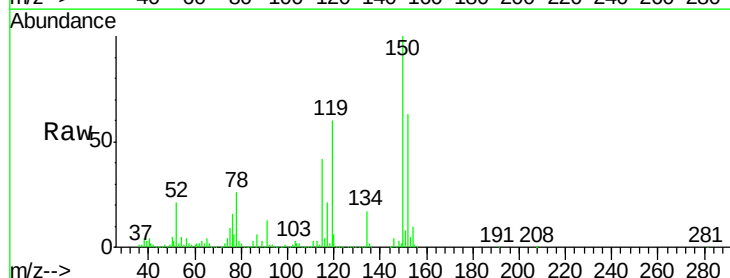
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

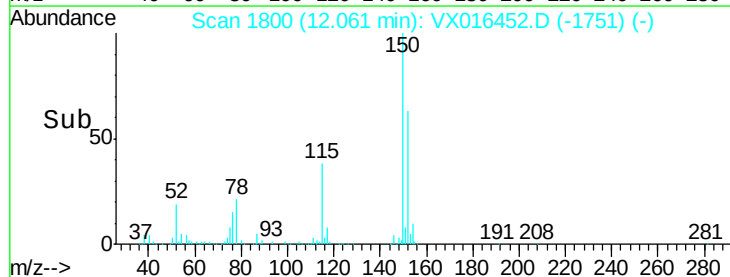
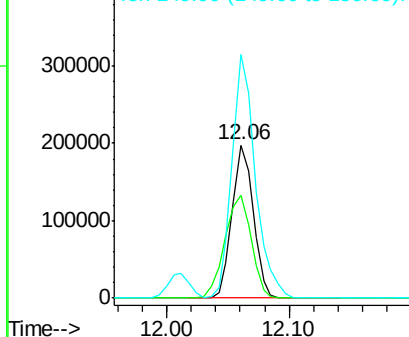
Lab File: VX016452.D

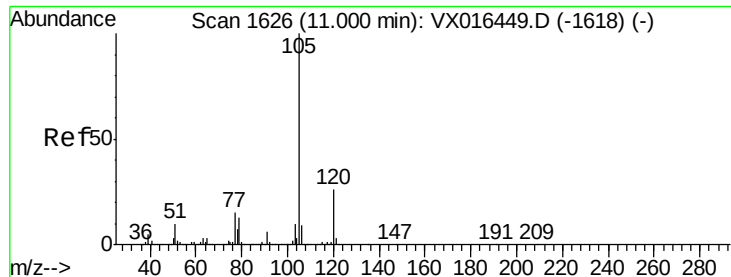
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.7	39.9	119.6
150	175.4	0.0	341.0



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





#73

Isopropylbenzene

Concen: 53.465 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion:105 Resp: 874414

Ion Ratio Lower Upper

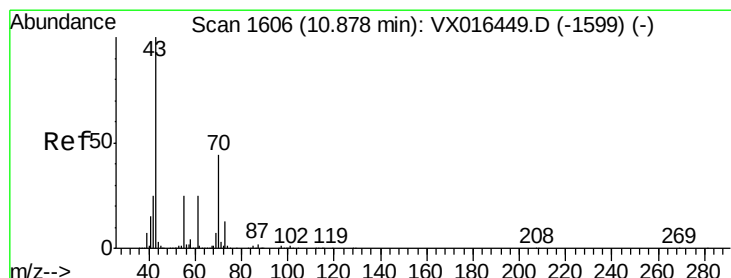
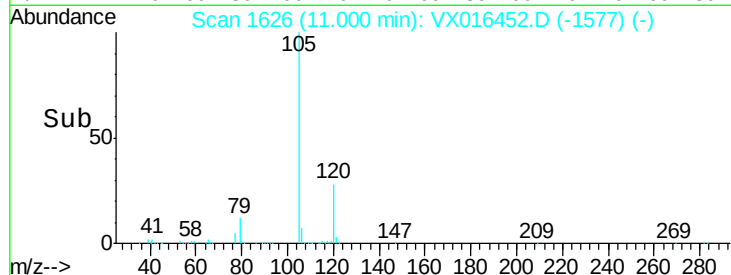
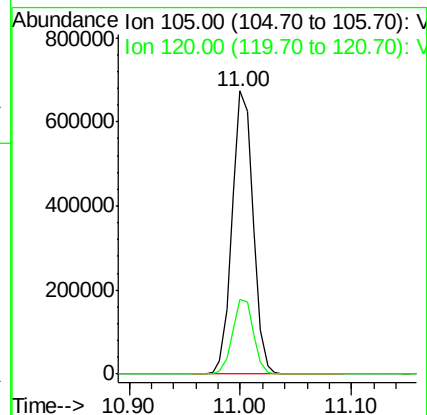
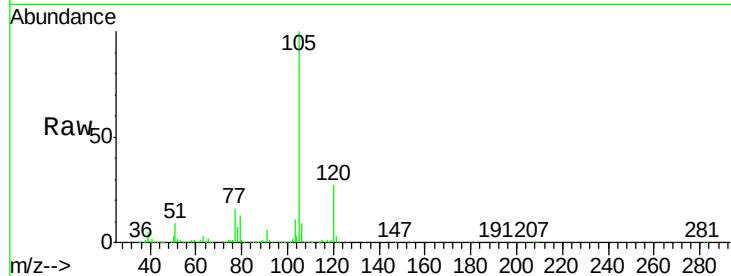
105 100

120 26.3 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 54.392 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion: 43 Resp: 409184

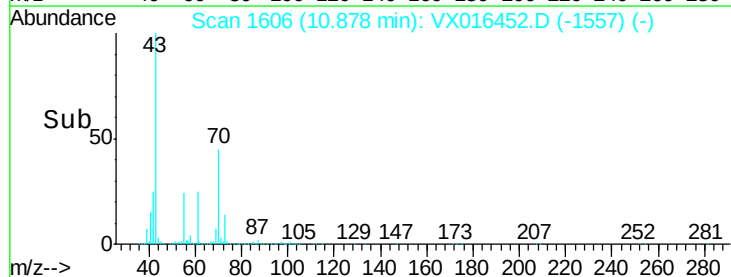
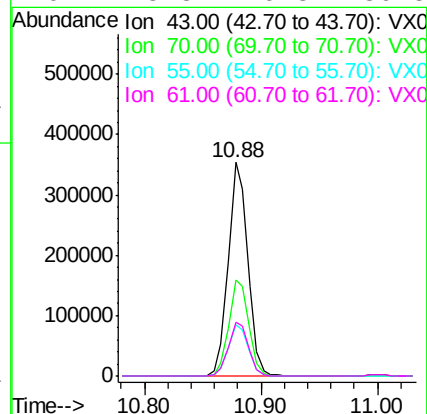
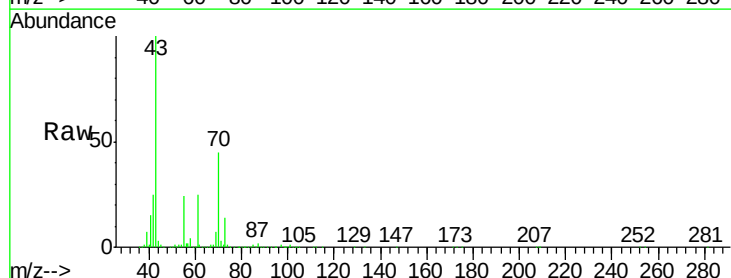
Ion Ratio Lower Upper

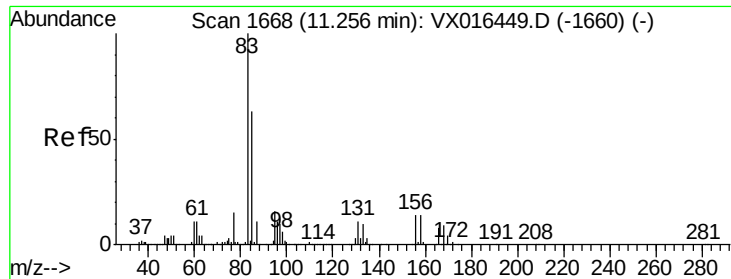
43 100

70 45.8 36.1 54.1

55 24.6 20.2 30.4

61 25.8 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 55.480 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

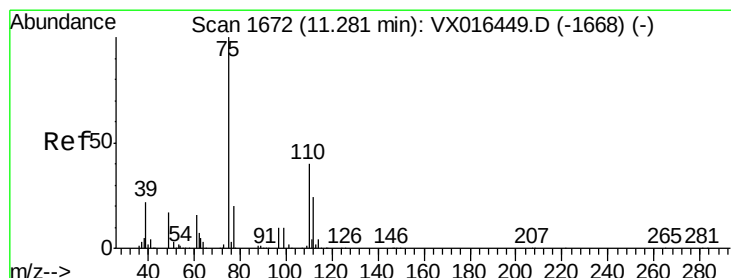
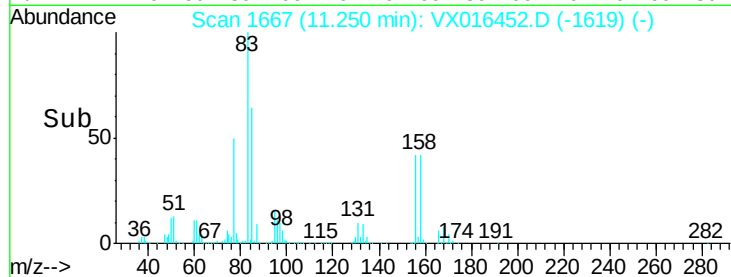
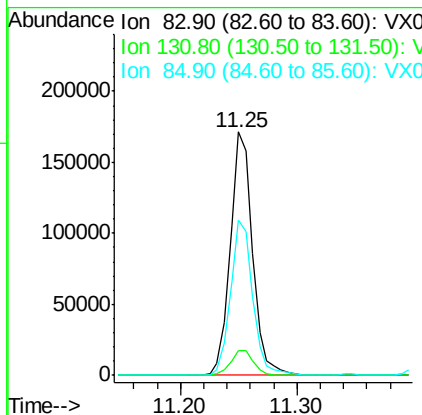
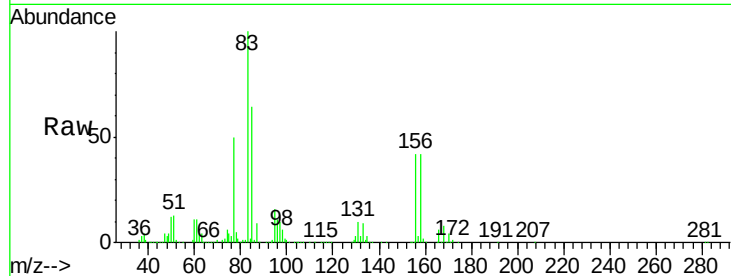
ClientSampleId :

ICVVX052720

Tot Ion:	83	Resp:	227406
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	63.9	32.0	96.2

Manual Integrations
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5/28/2020 2:10:53 PM



#76

1,2,3-Trichloropropane

Concen: 52.915 ug/l m

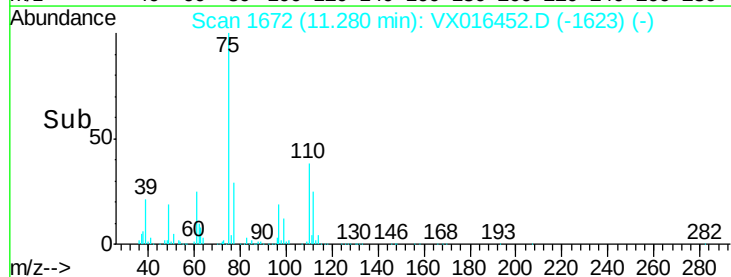
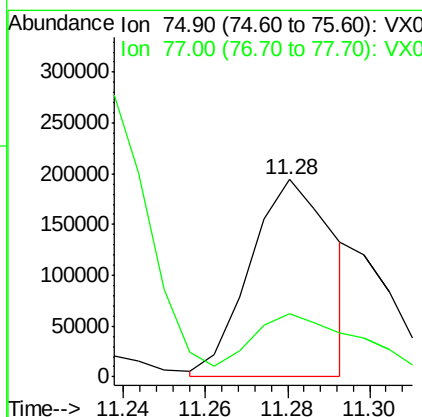
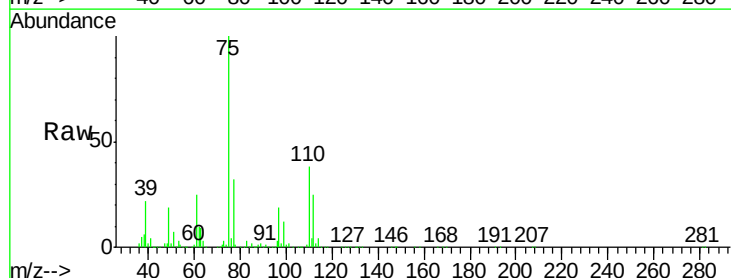
RT: 11.28 min Scan# 1672

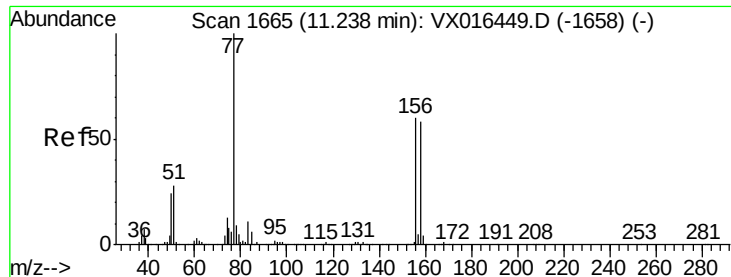
Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion:	75	Resp:	274542
Ion Ratio	Lower	Upper	
75	100		
77	42.3	21.3	63.7





#77

Bromobenzene

Concen: 51.109 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

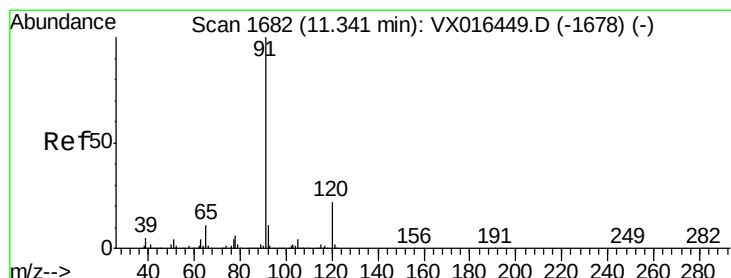
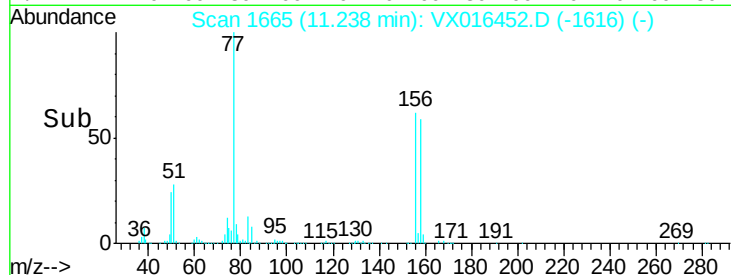
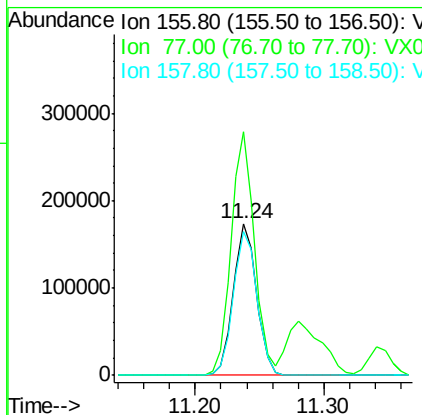
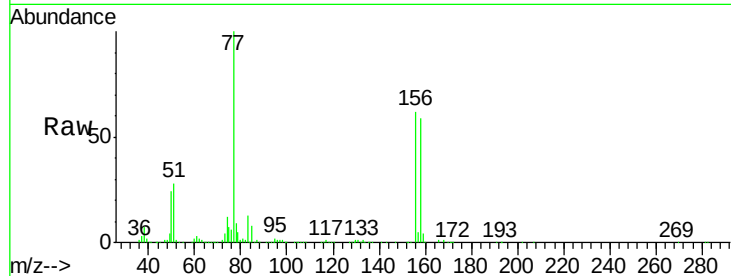
ClientSampleId :

ICVVX052720

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.4	79.6	238.8
158	97.1	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 54.005 ug/l

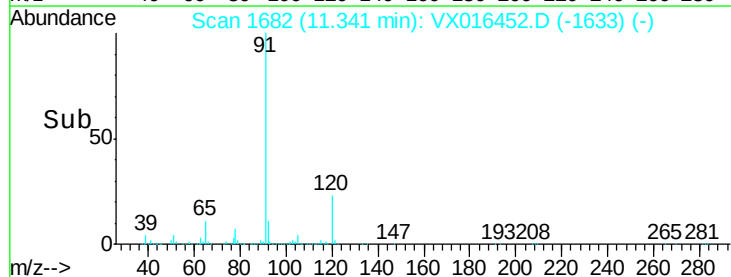
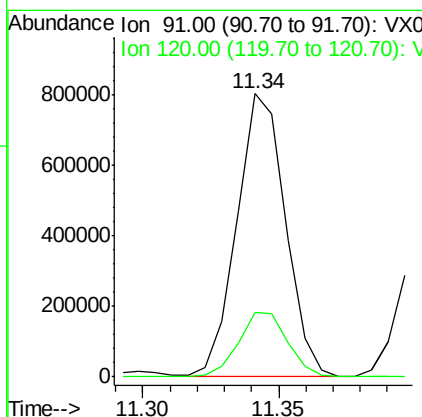
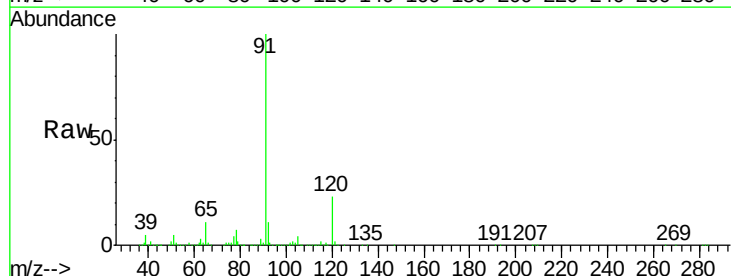
RT: 11.34 min Scan# 1682

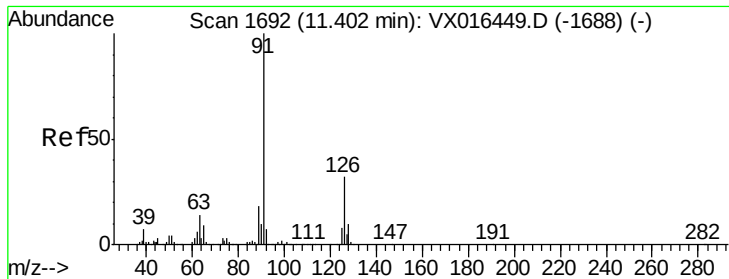
Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.6	34.7





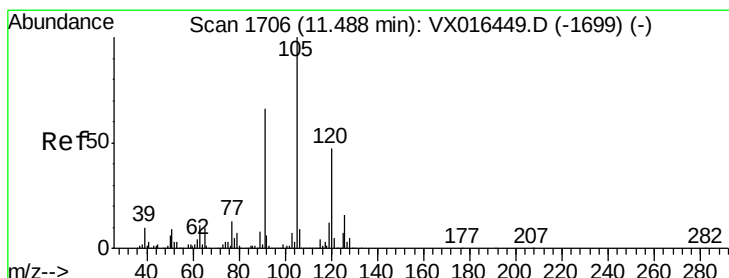
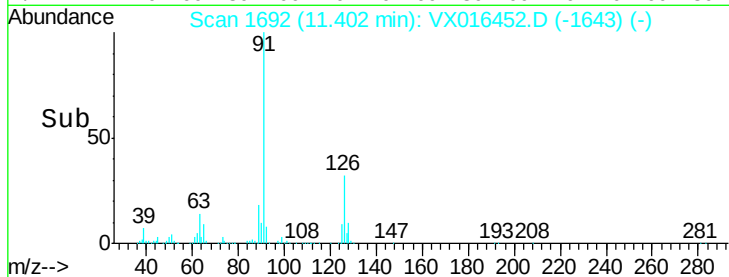
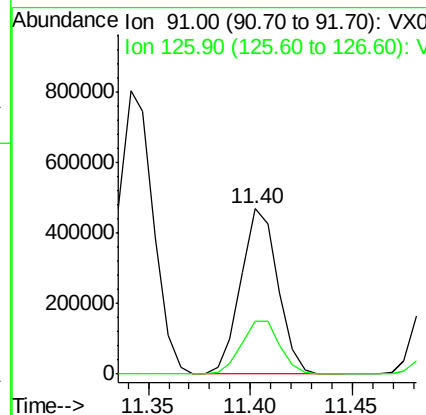
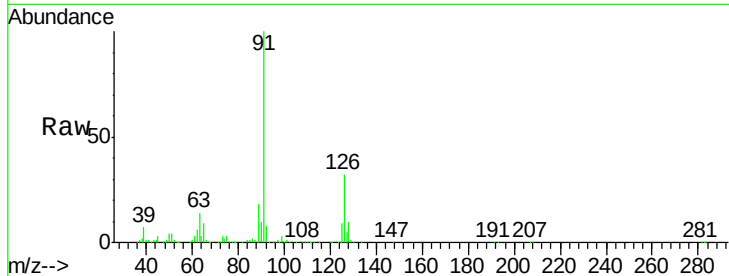
#79
 2-Chlorotoluene
 Concen: 52.913 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion: 91 Resp: 590150
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.8 50.3

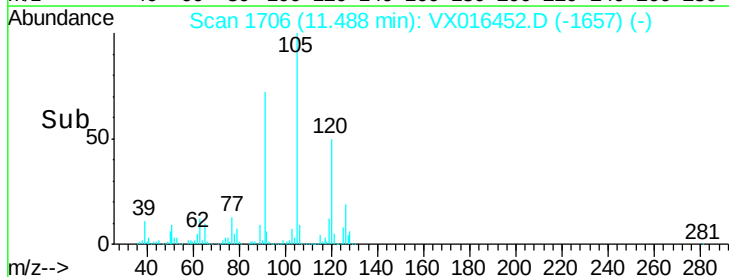
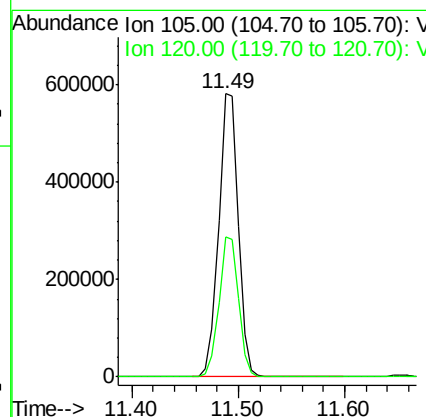
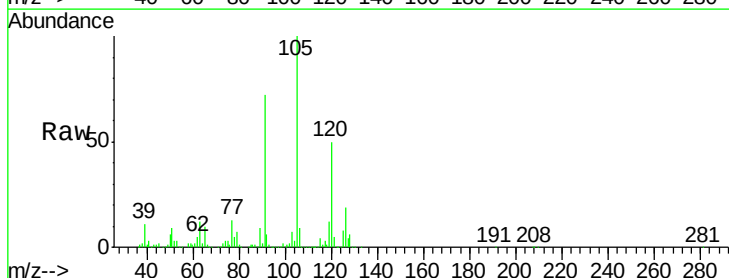
Manual Integrations
 APPROVED

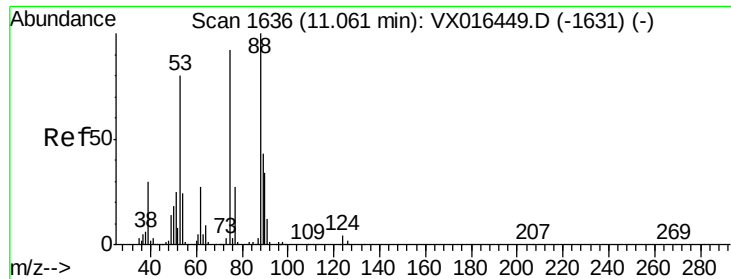
MMDadoda
 5/28/2020 2:10:53 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.965 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion: 105 Resp: 736958
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.3 72.8





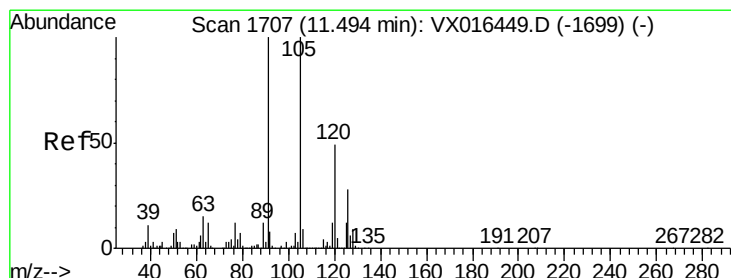
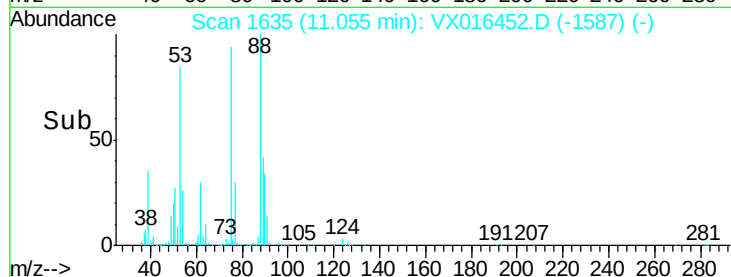
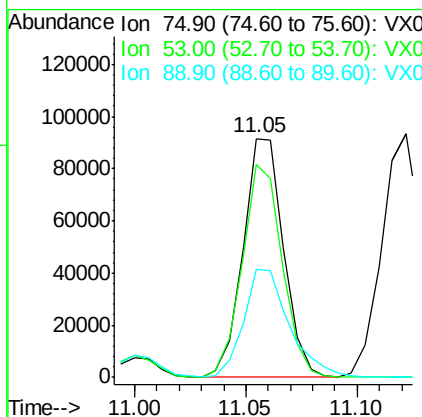
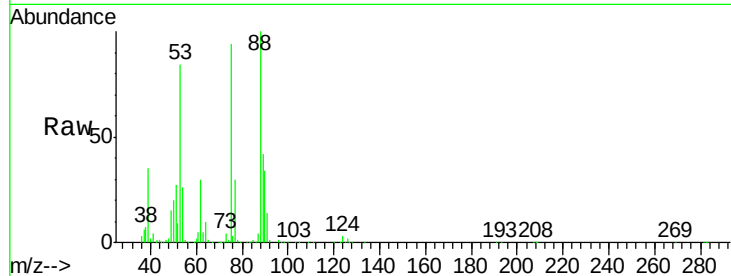
#81
trans-1,4-Dichloro-2-butene
Concen: 54.667 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	71.3	106.9
89	51.6	36.6	55.0

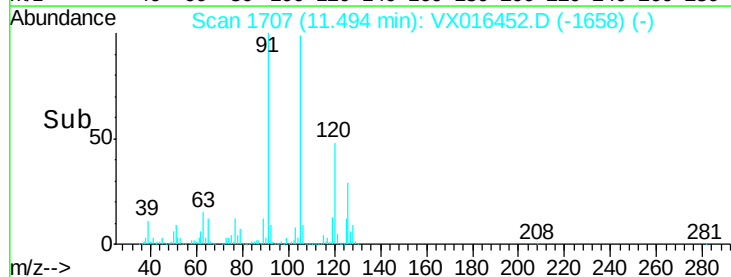
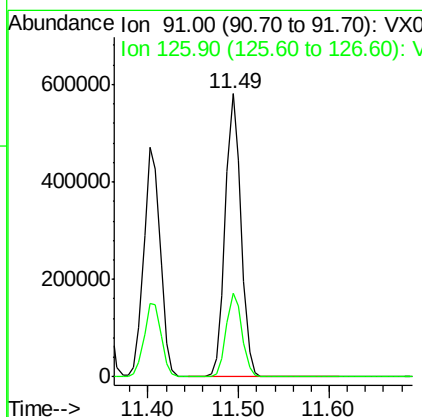
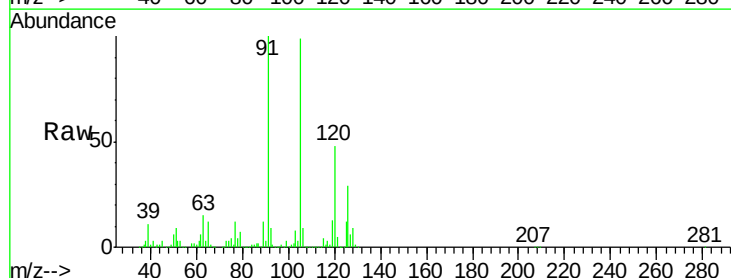
Manual Integrations
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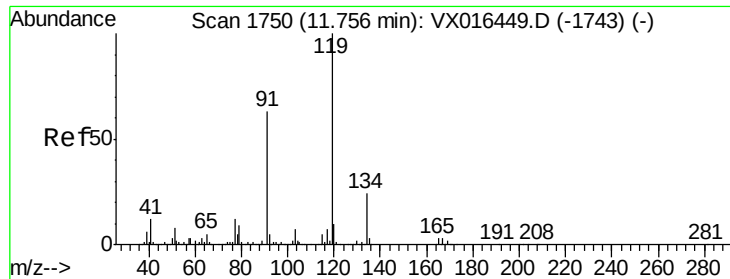
MMDadoda
5/28/2020 2:10:53 PM



#82
4-Chlorotoluene
Concen: 53.199 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.7	44.1





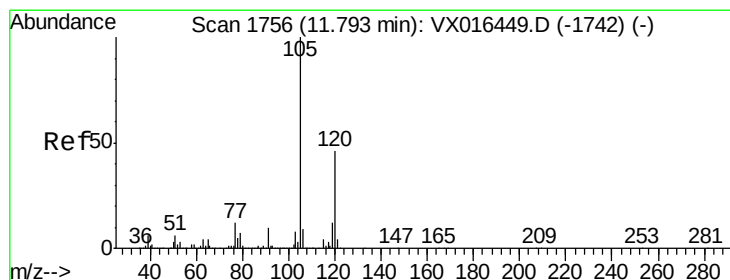
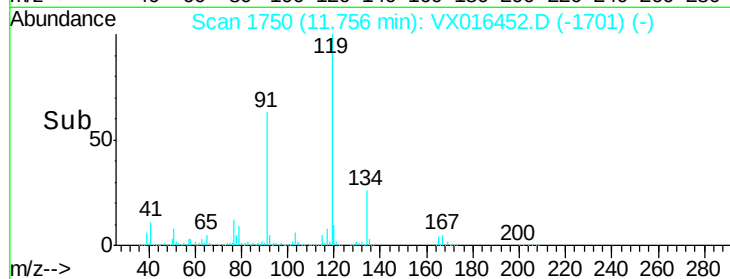
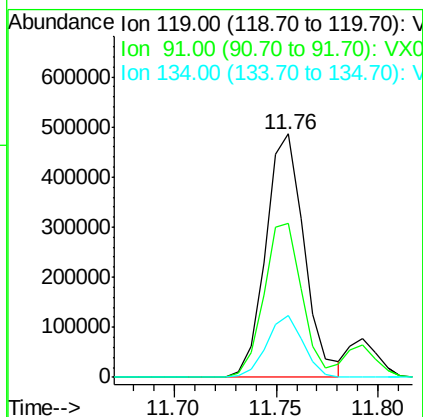
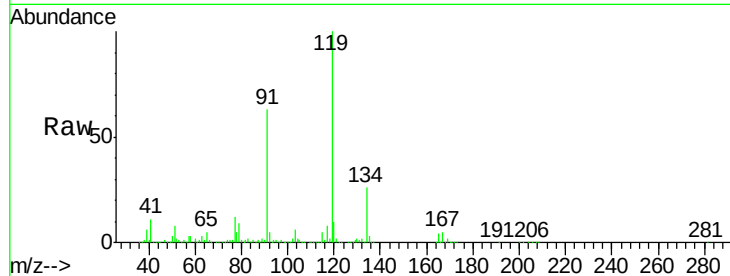
#83
 tert-Butylbenzene
 Concen: 54.822 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
119	100	639693		
91	62.1	31.3	93.8	
134	24.1	12.0	36.0	

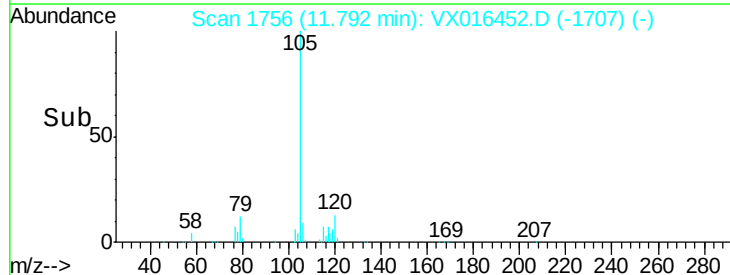
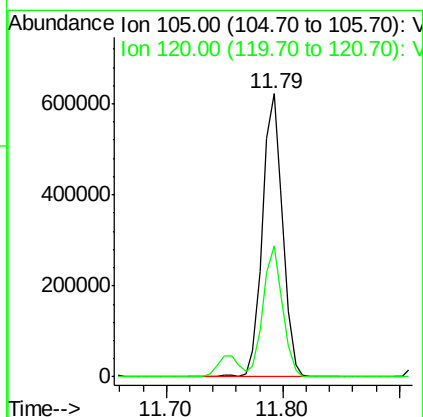
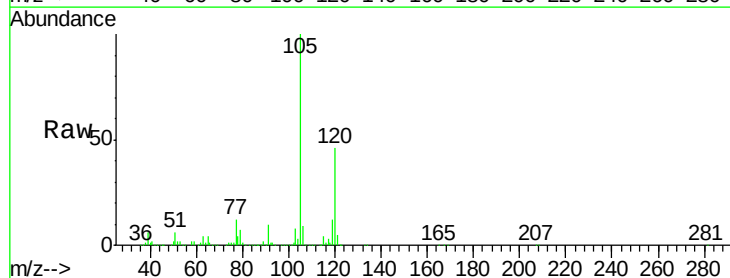
Manual Integrations
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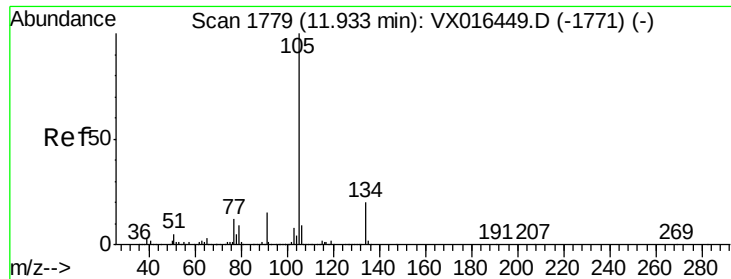
MMDadoda
 5/28/2020 2:10:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.095 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	747087		
120	44.8	22.6	67.7	





#85

sec-Butylbenzene

Concen: 55.314 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

ClientSampleId :

ICVVX052720

Tot Ion:105 Resp: 809677

Ion Ratio Lower Upper

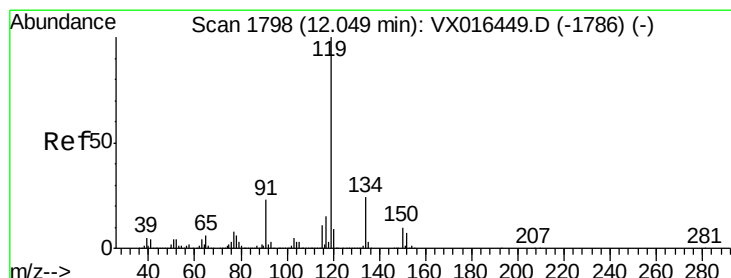
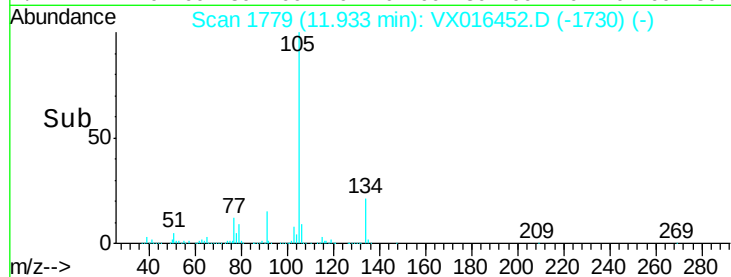
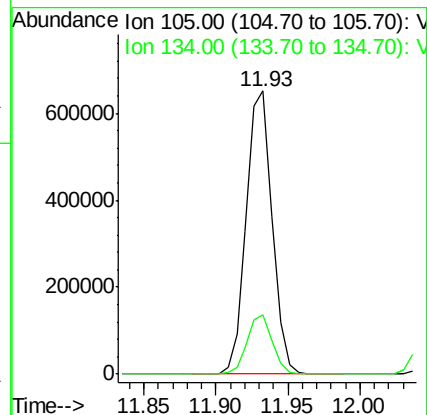
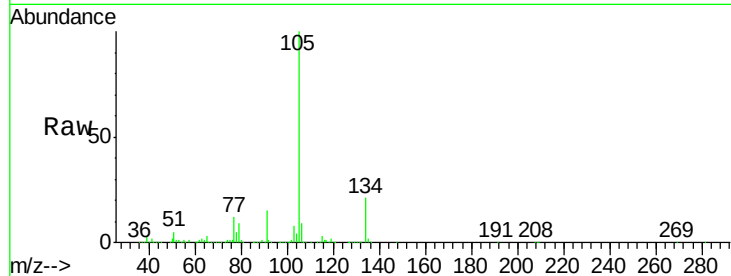
105 100

134 20.4 10.1 30.3

Manual Integrations
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5/28/2020 2:10:53 PM



#86

p-Isopropyltoluene

Concen: 55.897 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

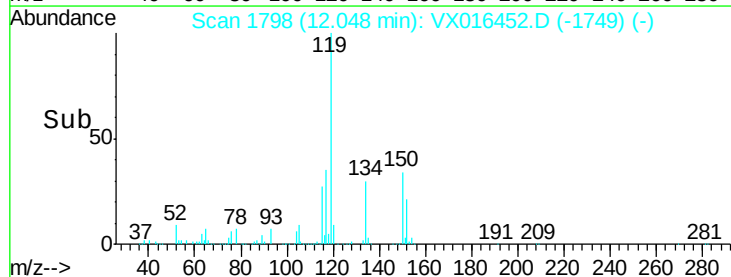
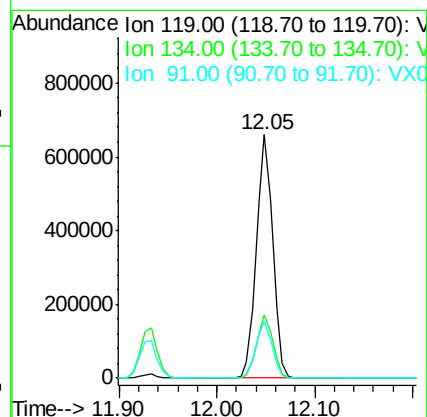
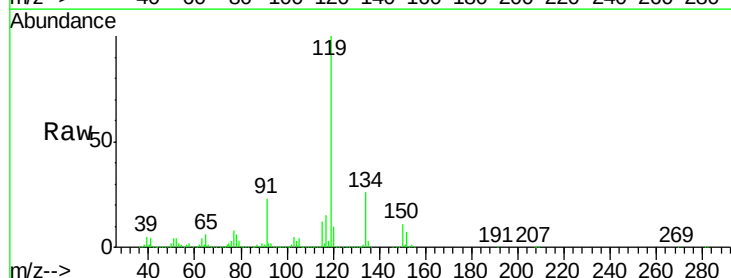
Tgt Ion:119 Resp: 766449

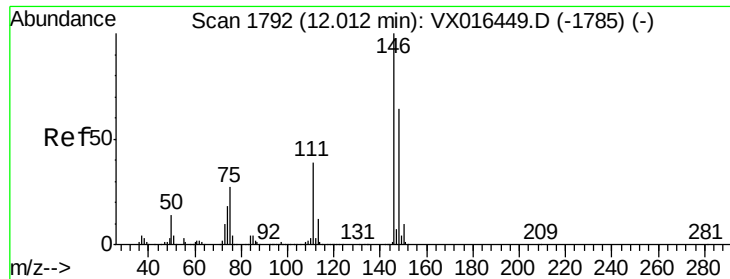
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 23.6 11.7 35.0





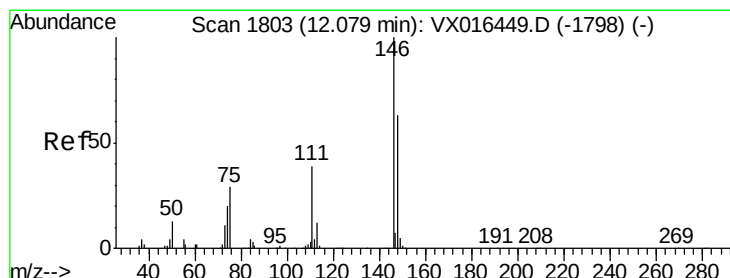
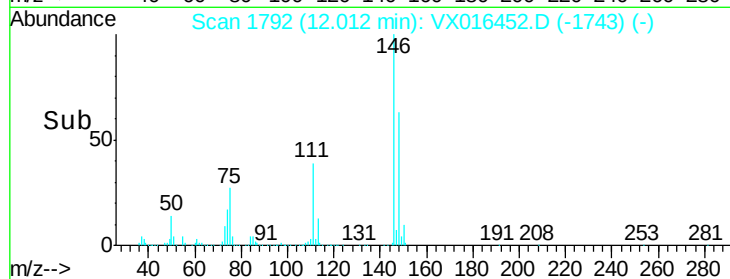
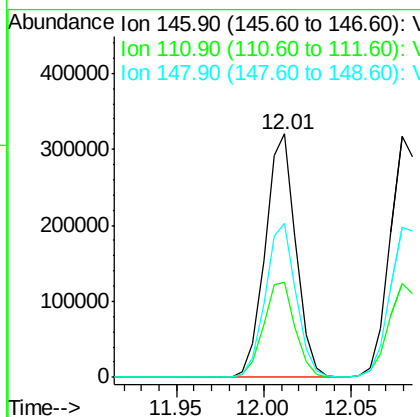
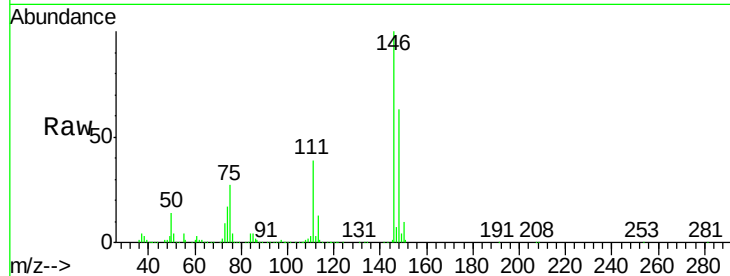
#87
 1,3-Dichlorobenzene
 Concen: 52.895 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
146	100	393102		
111	40.5	20.0	60.0	
148	63.6	31.9	95.5	

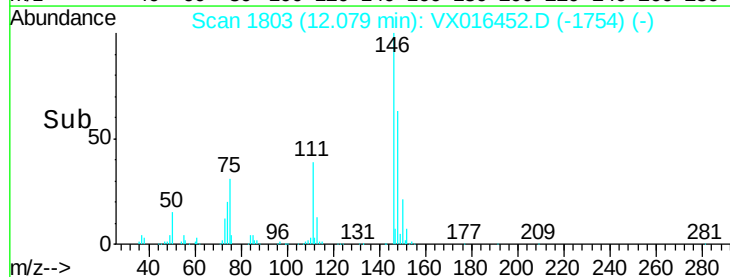
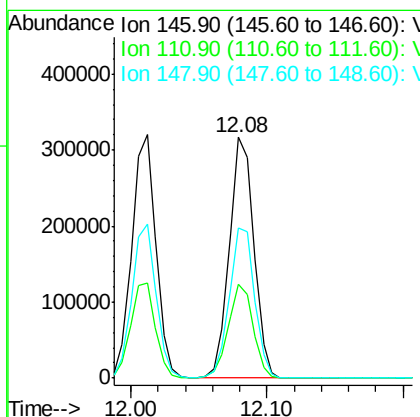
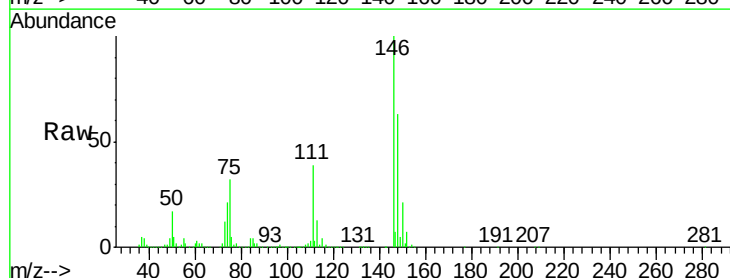
Manual Integrations
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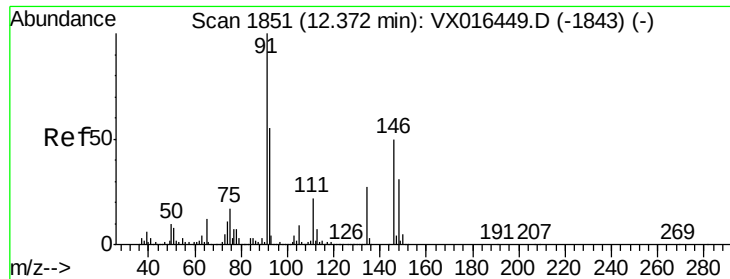
MMDadoda
 5/28/2020 2:10:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.299 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	397510		
111	39.3	19.4	58.2	
148	64.0	31.4	94.3	





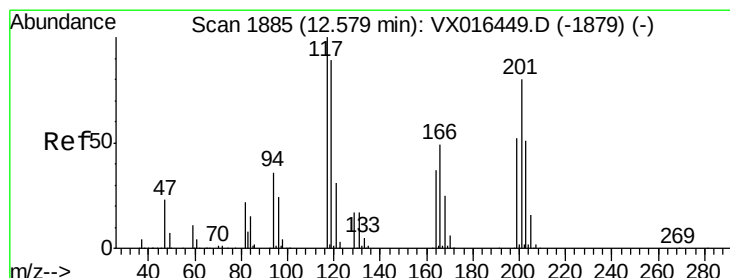
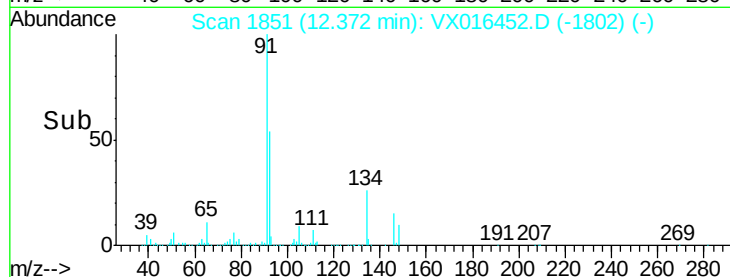
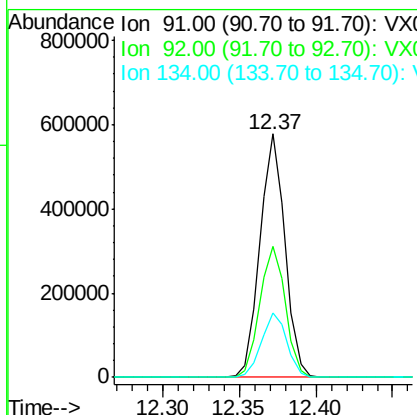
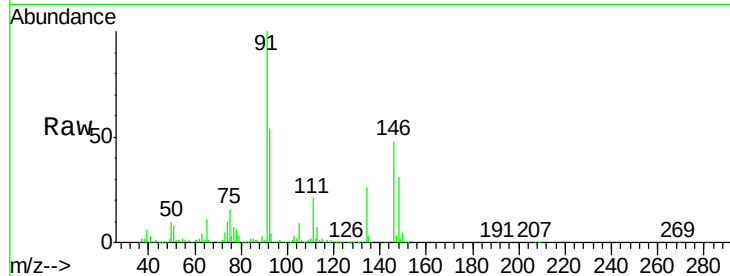
#89
n-Butylbenzene
Concen: 57.954 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Instrument :
MSVOA_X
ClientSampleId :
ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
91	100	661890		
92	55.3	27.2	81.5	
134	26.7	13.1	39.3	

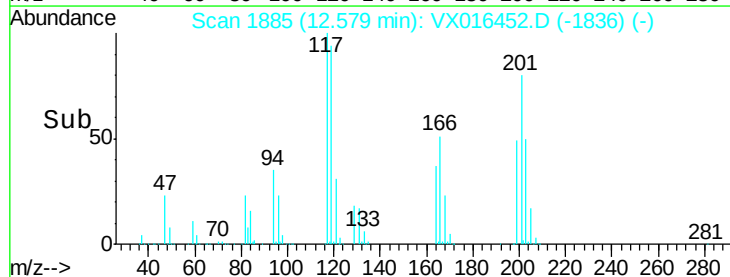
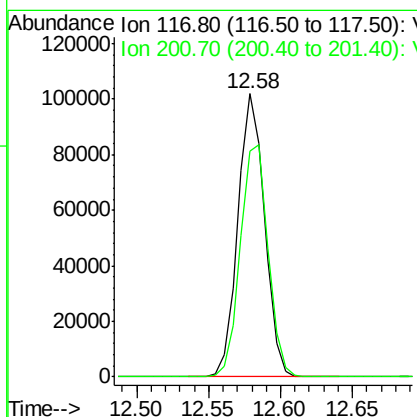
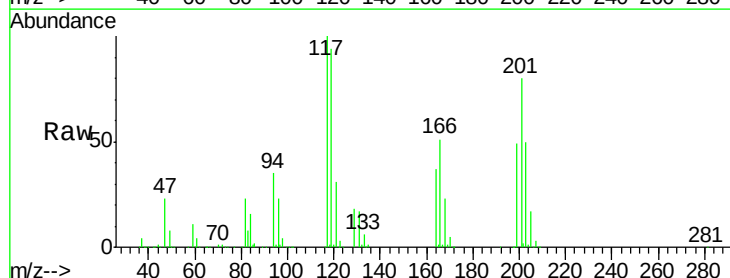
Manual Integrations
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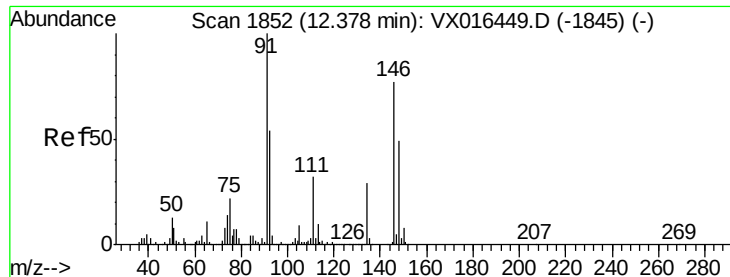
MMDadoda
5/28/2020 2:10:53 PM



#90
Hexachloroethane
Concen: 55.382 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016452.D
Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	131168		
201	84.9	43.1	129.3	





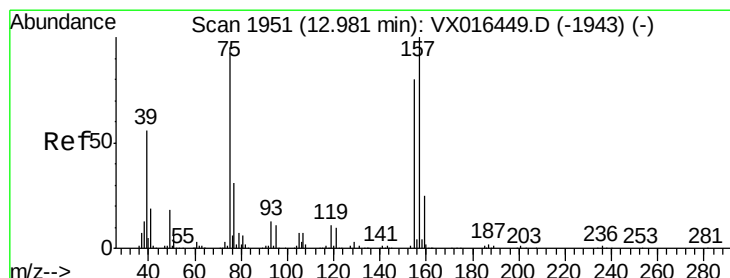
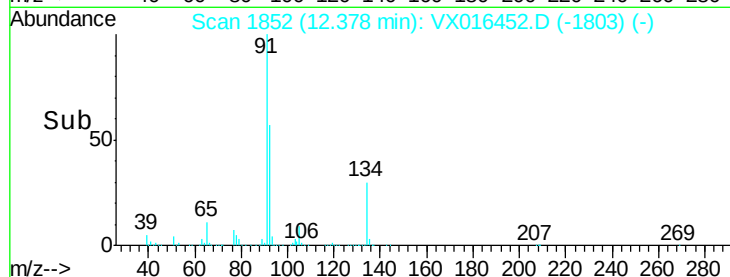
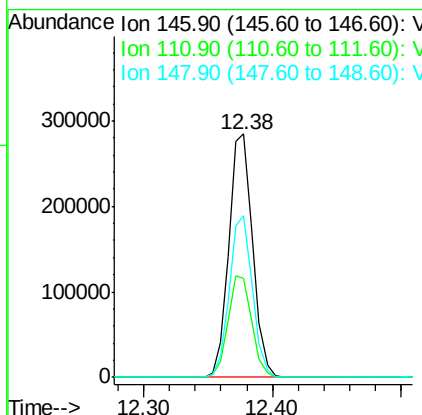
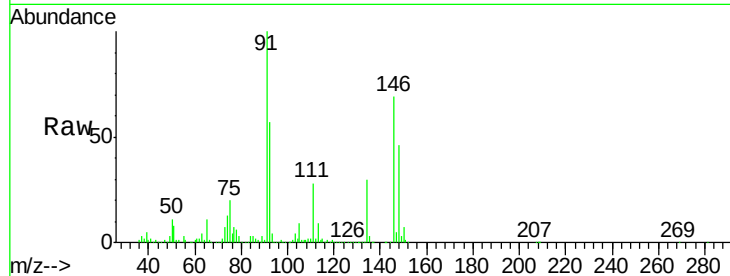
#91
 1,2-Dichlorobenzene
 Concen: 51.324 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369537		
111	41.7		21.4	64.3
148	64.6		31.9	95.7

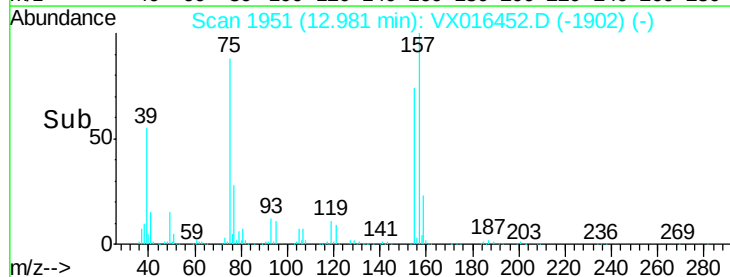
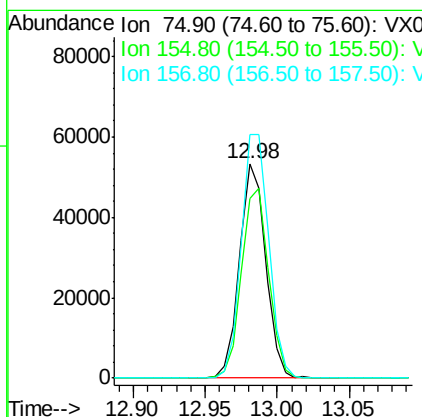
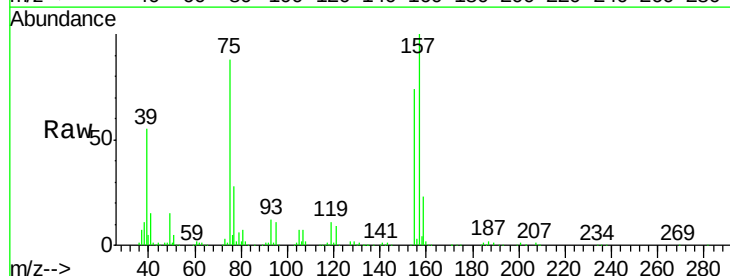
Manual Integrations
 APPROVED

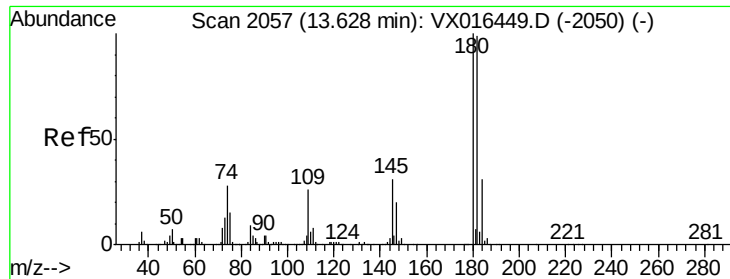
MMDadoda
 5/28/2020 2:10:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.876 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67546		
155	91.3		44.1	132.4
157	118.6		57.8	173.3





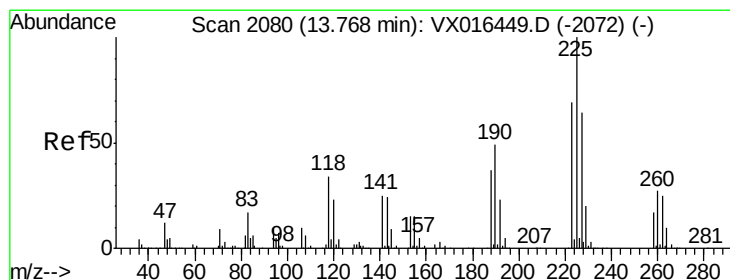
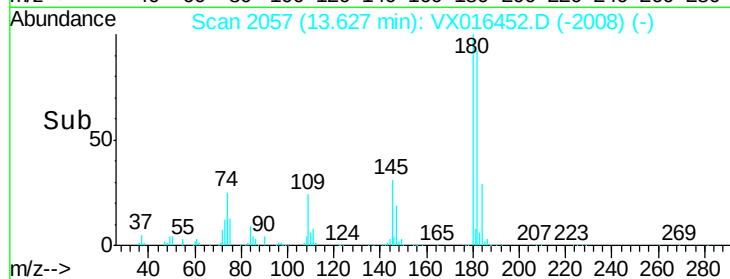
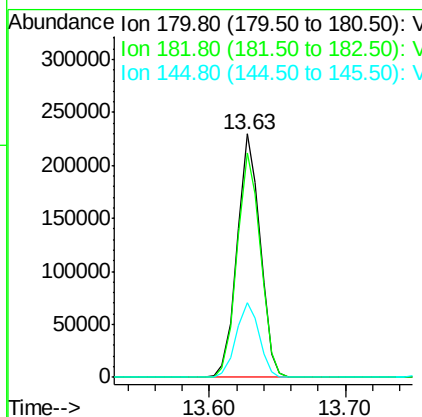
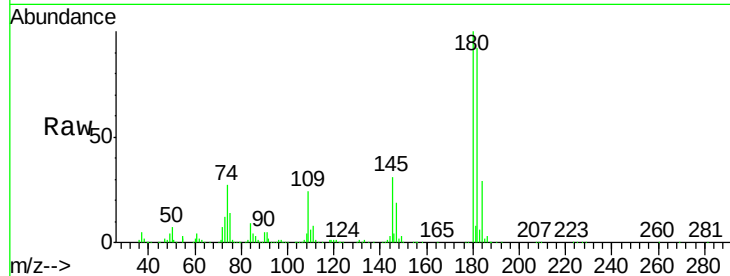
#93
 1,2,4-Trichlorobenzene
 Concen: 56.296 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX052720

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269201		
182	93.8	48.3	144.8	
145	30.8	15.4	46.2	

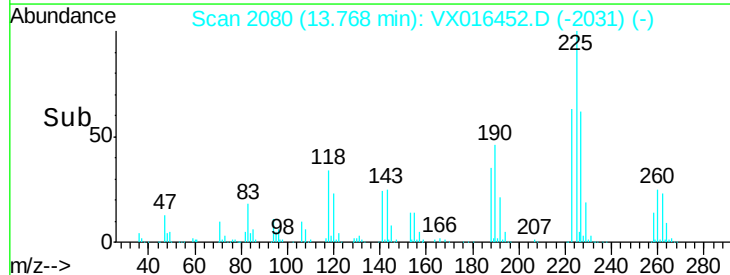
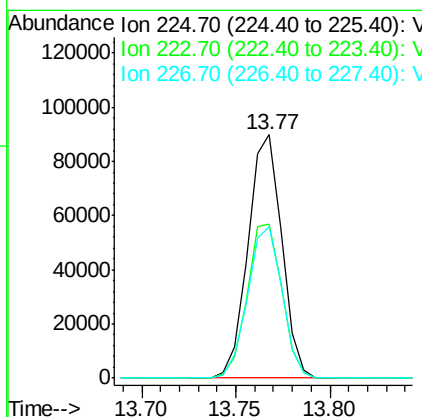
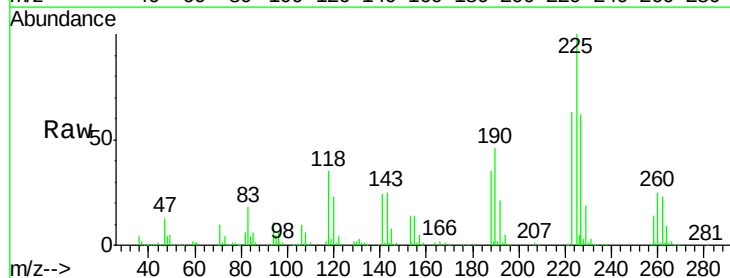
Manual Integrations
 APPROVED

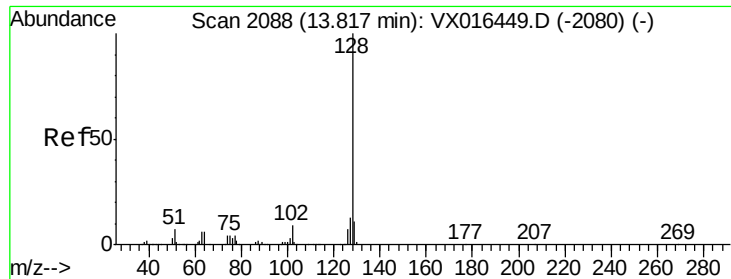
MMDadoda
 5/28/2020 2:10:53 PM



#94
 Hexachlorobutadiene
 Concen: 59.292 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016452.D
 Acq: 27 May 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	111319		
223	65.3	32.3	96.8	
227	63.6	31.6	94.7	





#95

Naphthalene

Concen: 53.763 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Instrument :

MSVOA_X

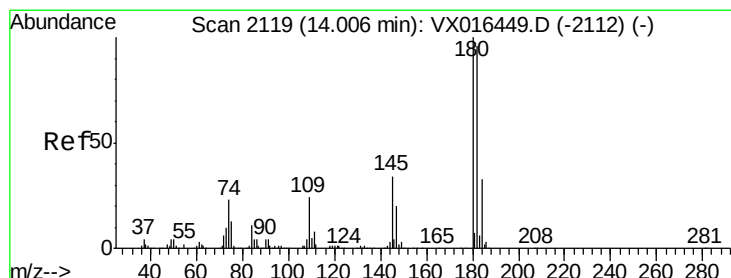
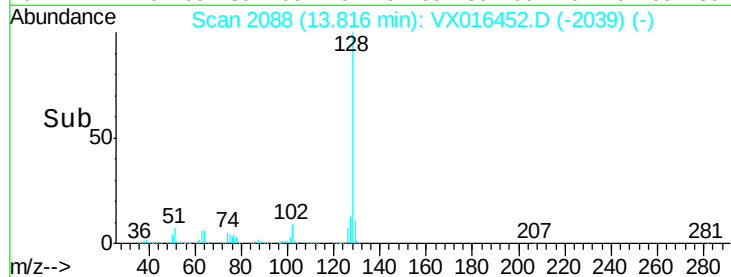
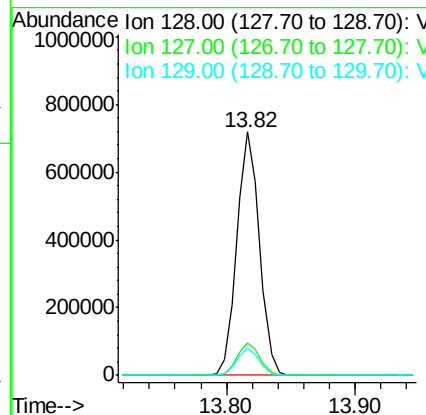
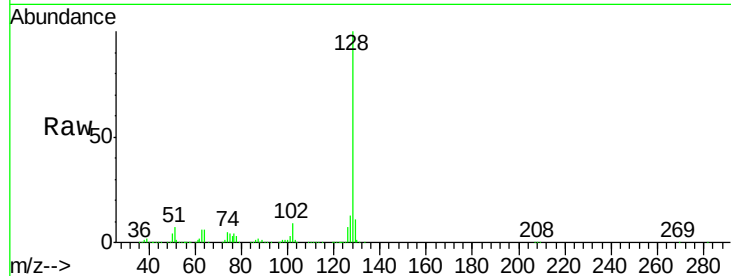
ClientSampleId :

ICVVX052720

Tot Ion:	128	Resp:	881328
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/28/2020 2:10:53 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.310 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016452.D

Acq: 27 May 2020 17:30

Tgt Ion:	180	Resp:	259113
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.6	145.8
145	32.5	16.6	49.8

