

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042820\
 Data File : VX015965.D
 Acq On : 28 Apr 2020 16:31
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
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 4/30/2020 2:59:56 PM

Quant Time: Apr 28 17:27:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	244589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	396193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	370336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	196123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	337172	105.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.86%	
35) Dibromofluoromethane	5.47	113	261890	105.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.94%	
50) Toluene-d8	8.70	98	973369	105.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.68%	
62) 4-Bromofluorobenzene	11.12	95	388033	107.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	245263	112.059	ug/l	98
3) Chloromethane	1.31	50	281249	106.029	ug/l	98
4) Vinyl Chloride	1.39	62	325209	107.956	ug/l	99
5) Bromomethane	1.62	94	193923	95.890	ug/l	99
6) Chloroethane	1.70	64	209214	104.409	ug/l	99
7) Trichlorofluoromethane	1.91	101	492814	108.234	ug/l	100
8) Diethyl Ether	2.17	74	199467	104.934	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	240889	106.136	ug/l	99
10) Methyl Iodide	2.49	142	363750	114.889	ug/l	100
11) Tert butyl alcohol	3.03	59	425851	548.588	ug/l	99
12) 1,1-Dichloroethene	2.35	96	248412	106.152	ug/l	97
13) Acrolein	2.27	56	103140	528.697	ug/l	98
14) Allyl chloride	2.70	41	461261	109.311	ug/l	100
15) Acrylonitrile	3.12	53	842349	547.269	ug/l	99
16) Acetone	2.42	43	733175	536.148	ug/l	98
17) Carbon Disulfide	2.54	76	725891	96.845	ug/l	99
18) Methyl Acetate	2.75	43	418882	107.944	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	929356	109.802	ug/l	100
20) Methylene Chloride	2.83	84	280964	103.789	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	277767	105.321	ug/l	98
22) Diisopropyl ether	3.82	45	915536	110.359	ug/l	98
23) Vinyl Acetate	3.79	43	4065403	564.129	ug/l	100
24) 1,1-Dichloroethane	3.67	63	504838	109.240	ug/l	99
25) 2-Butanone	4.64	43	1220912	550.956	ug/l	98
26) 2,2-Dichloropropane	4.55	77	457997	108.389	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	318239	106.333	ug/l	98
28) Bromochloromethane	4.98	49	232595	104.007	ug/l	99
29) Tetrahydrofuran	5.09	42	794493	547.073	ug/l	100
30) Chloroform	5.18	83	520902	108.396	ug/l	98
31) Cyclohexane	5.55	56	447257	108.710	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	483161	109.199	ug/l	100
36) 1,1-Dichloropropene	5.77	75	390221	103.411	ug/l	99
37) Ethyl Acetate	4.80	43	469839	108.584	ug/l	99
38) Carbon Tetrachloride	5.76	117	431619	108.292	ug/l	97

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Manual Integrations
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Quant Time: Apr 28 17:27:19 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	463563	106.204	ug/l	99
40) Benzene	6.12	78	1139098	105.797	ug/l	100
41) Methacrylonitrile	5.01	41	255849	110.465	ug/l	98
42) 1,2-Dichloroethane	6.17	62	437555	104.884	ug/l	100
43) Isopropyl Acetate	6.42	43	778179	108.605	ug/l	100
44) Trichloroethene	7.19	130	385534	99.343	ug/l	100
45) 1,2-Dichloropropane	7.49	63	295398	106.159	ug/l	100
46) Dibromomethane	7.64	93	211829	107.134	ug/l	99
47) Bromodichloromethane	7.88	83	434126	110.489	ug/l	98
48) Methyl methacrylate	7.75	41	368799	111.480	ug/l	99
49) 1,4-Dioxane	7.72	88	167383	2150.751	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	2429607	559.021	ug/l	100
52) Toluene	8.77	92	736675	107.789	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	507579	108.873	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	515683	107.547	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	297395	108.886	ug/l	99
56) Ethyl methacrylate	9.16	69	506159	113.972	ug/l	99
57) 1,3-Dichloropropane	9.35	76	508737	108.410	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1275240	555.666	ug/l	100
59) 2-Hexanone	9.48	43	1896351	558.313	ug/l	99
60) Dibromochloromethane	9.57	129	348754	114.085	ug/l	98
61) 1,2-Dibromoethane	9.66	107	327559	110.598	ug/l	99
64) Tetrachloroethene	9.32	164	459725	104.642	ug/l	97
65) Chlorobenzene	10.12	112	805432	106.782	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	312145	109.493	ug/l	98
67) Ethyl Benzene	10.24	91	1436329	106.928	ug/l	99
68) m/p-Xylenes	10.34	106	1097292	215.279	ug/l	99
69) o-Xylene	10.68	106	533704	110.285	ug/l	99
70) Styrene	10.70	104	937843	112.944	ug/l	100
71) Bromoform	10.84	173	272202	117.862	ug/l #	98
73) Isopropylbenzene	11.01	105	1433138	107.417	ug/l	99
74) N-amyl acetate	10.88	43	704963	109.557	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	332960	128.744	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	434230m	84.543	ug/l	
77) Bromobenzene	11.24	156	372276	108.400	ug/l	100
78) n-propylbenzene	11.35	91	1658626	108.068	ug/l	100
79) 2-Chlorotoluene	11.41	91	974954	106.617	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1240943	110.416	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	195311	112.154	ug/l	97
82) 4-Chlorotoluene	11.49	91	1185970	108.436	ug/l	100
83) tert-Butylbenzene	11.76	119	1074698	110.902	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	1255137	110.965	ug/l	99
85) sec-Butylbenzene	11.93	105	1446260	110.774	ug/l	99
86) p-Isopropyltoluene	12.05	119	1339462	109.530	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	658766	105.188	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	664433	104.975	ug/l	98
89) n-Butylbenzene	12.37	91	1226873	111.031	ug/l	100
90) Hexachloroethane	12.58	117	251021	116.173	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	635733	106.155	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	119035	108.067	ug/l	99

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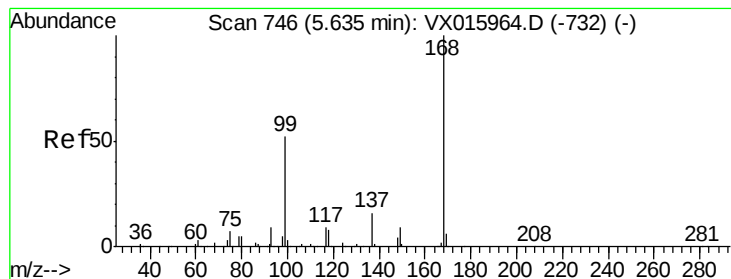
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	472111	105.032	ug/l	99
94) Hexachlorobutadiene	13.77	225	210762	104.946	ug/l	97
95) Naphthalene	13.82	128	1551651	109.449	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	457703	105.750	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 244589

Ion Ratio Lower Upper

168 100

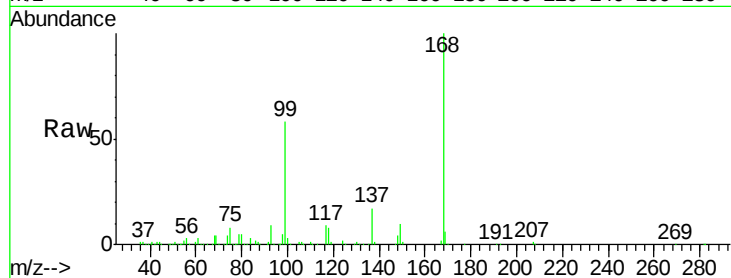
99 58.1 41.7 62.5

Manual Integrations

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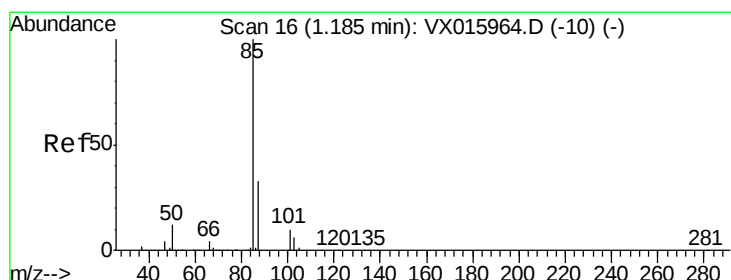
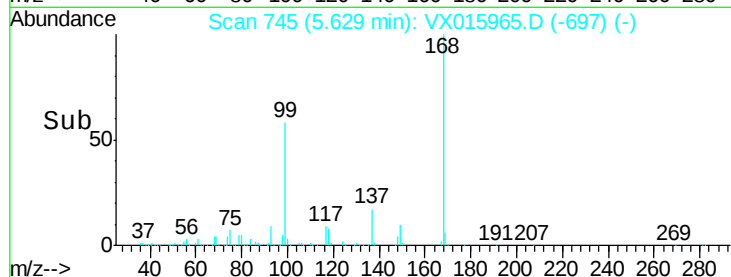
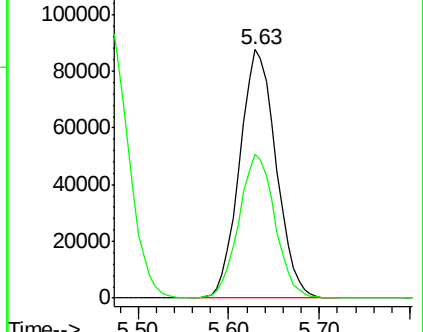
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 112.059 ug/l

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX015965.D

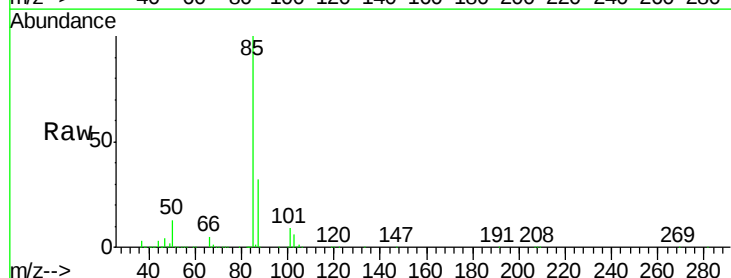
Acq: 28 Apr 2020 16:31

Tgt Ion: 85 Resp: 245263

Ion Ratio Lower Upper

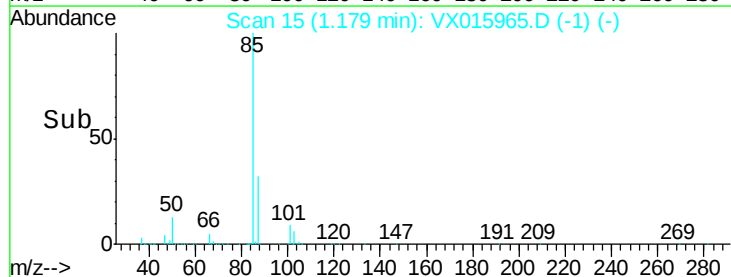
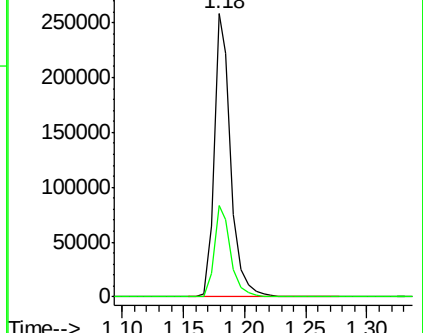
85 100

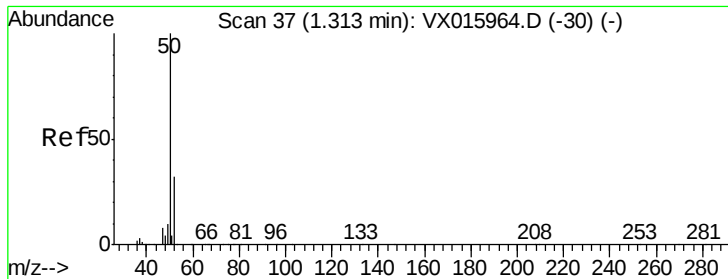
87 32.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 106.029 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 281249

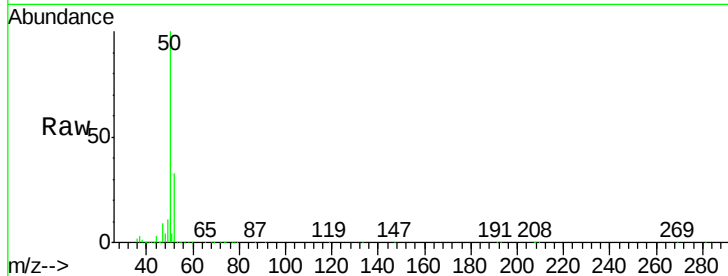
Ion Ratio Lower Upper

50 100

52 33.2 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

300000

250000

200000

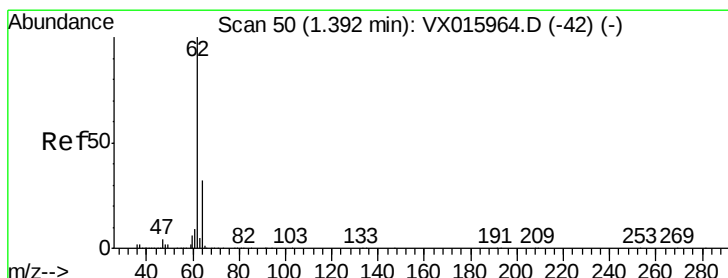
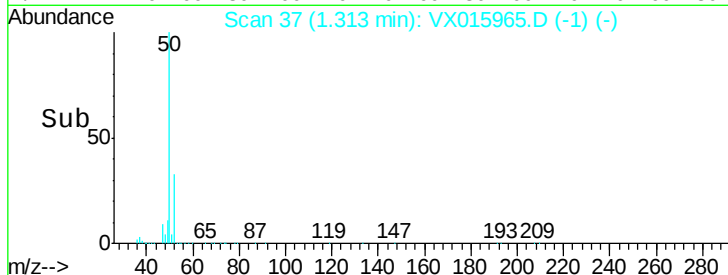
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 107.956 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015965.D

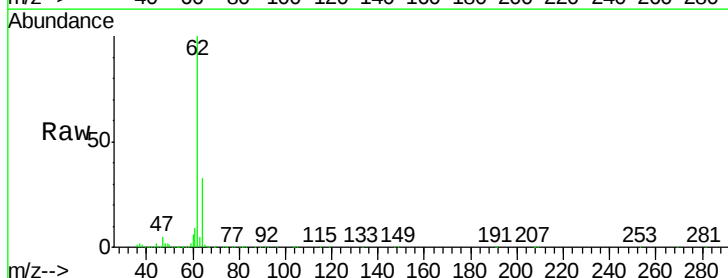
Acq: 28 Apr 2020 16:31

Tgt Ion: 62 Resp: 325209

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

400000

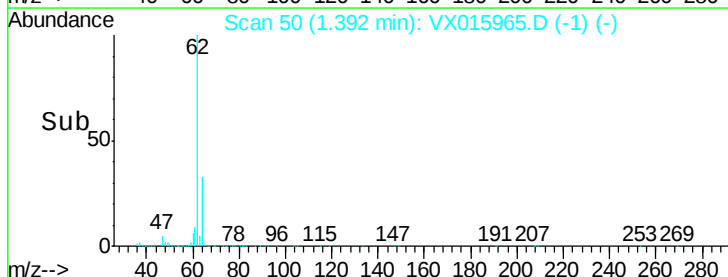
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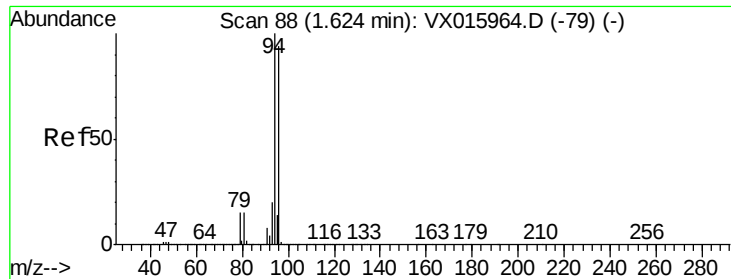
200000

100000

0

Time-->





#5

Bromomethane

Concen: 95.890 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 193923

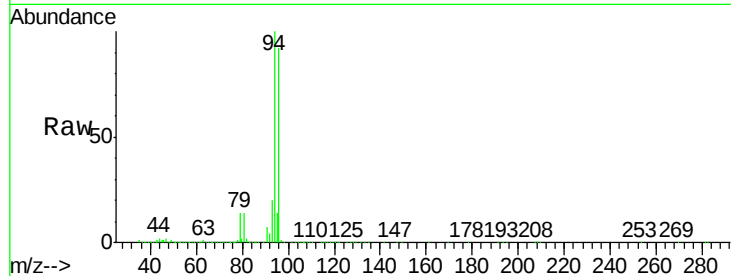
Ion Ratio Lower Upper

94 100

96 92.4 74.9 112.3

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

Ion 95.90 (95.60 to 96.60): VX0

1.62

200000

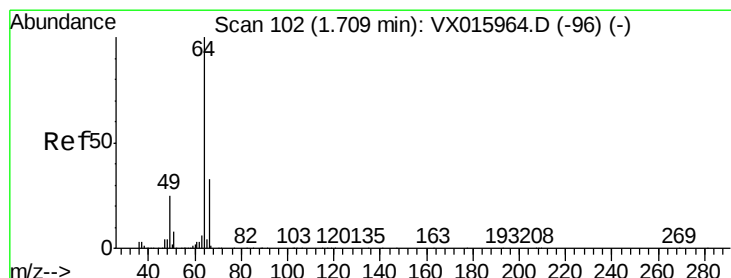
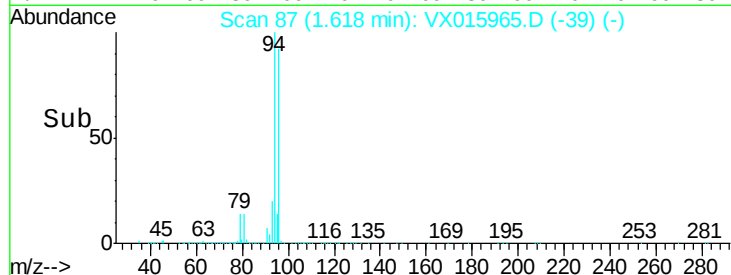
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 104.409 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX015965.D

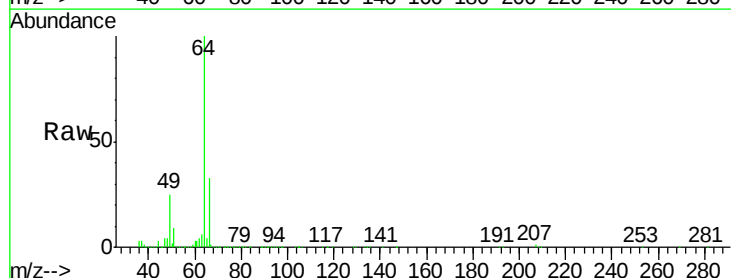
Acq: 28 Apr 2020 16:31

Tgt Ion: 64 Resp: 209214

Ion Ratio Lower Upper

64 100

66 33.3 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

200000

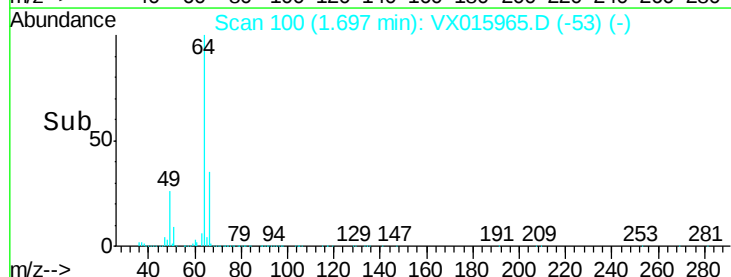
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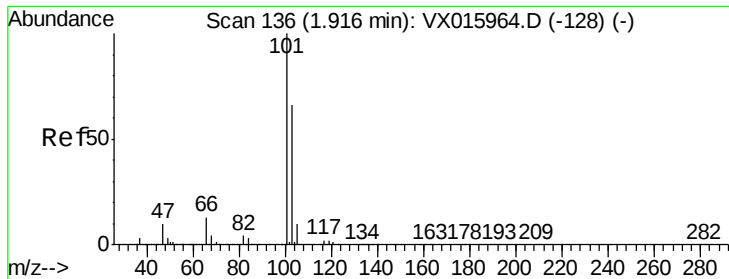
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Time-->





#7

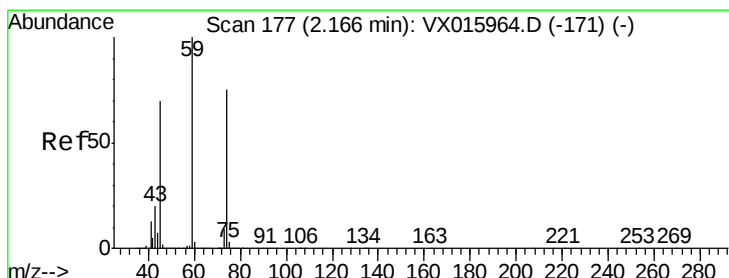
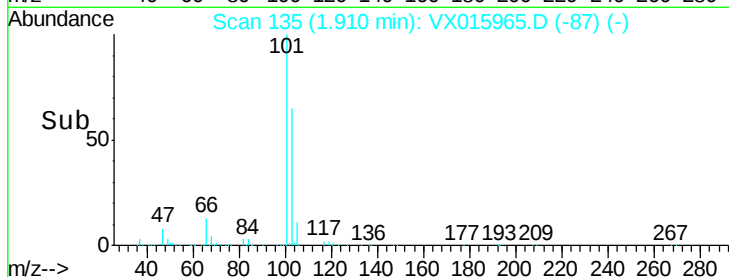
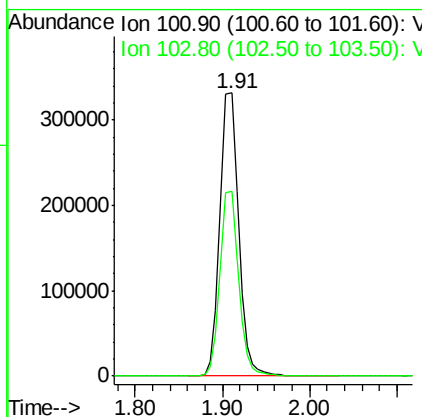
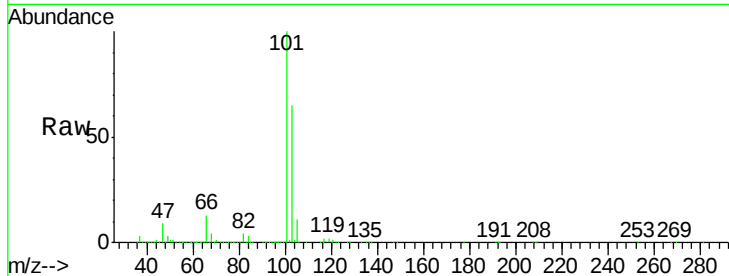
Trichlorofluoromethane
Concen: 108.234 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.4	78.6

Manual Integrations
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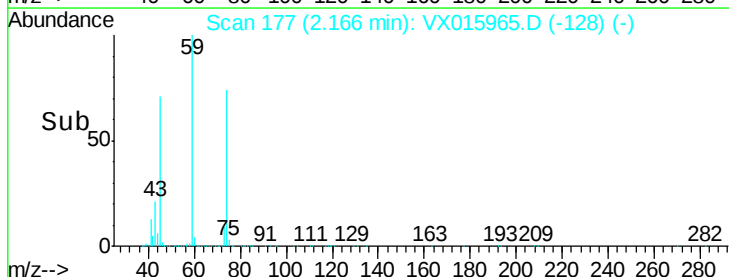
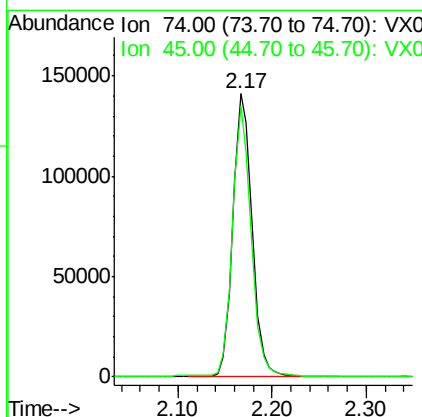
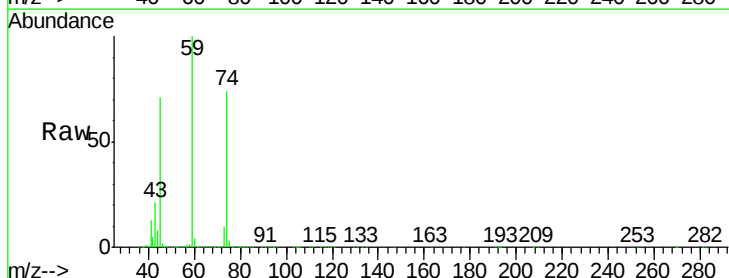
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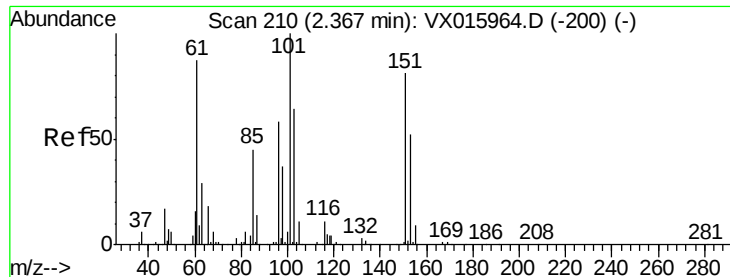


#8

Diethyl Ether
Concen: 104.934 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.0	47.1	141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 106.136 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

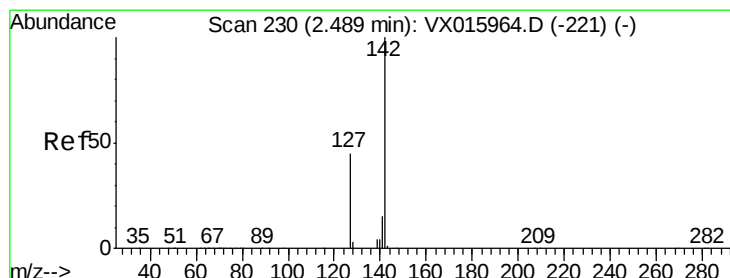
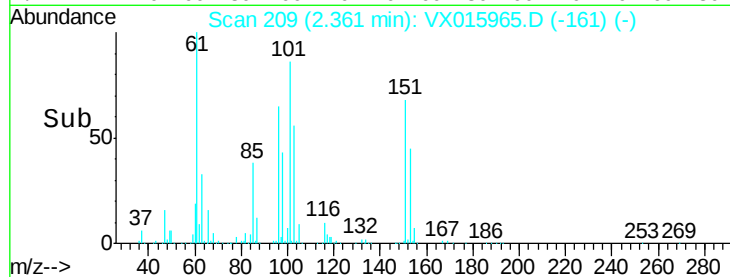
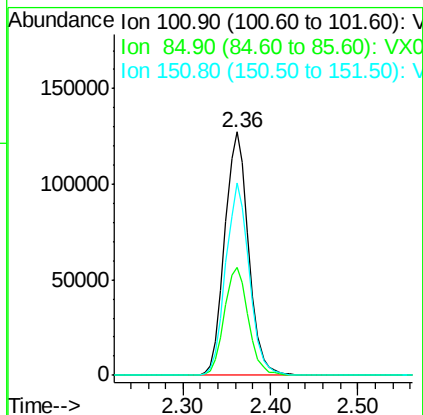
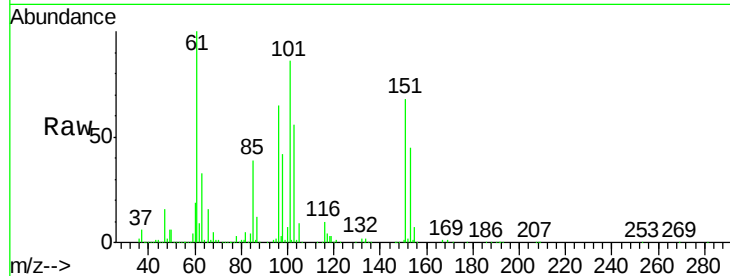
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	240889
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.3	54.5
151	78.3	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 114.889 ug/l

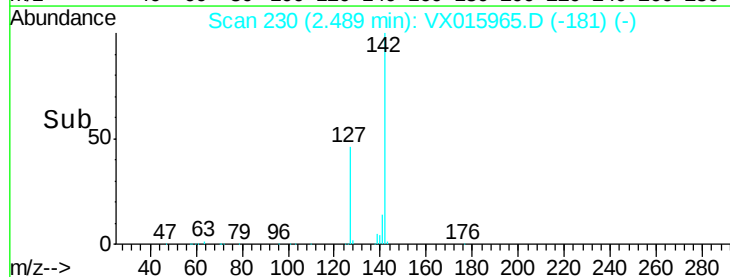
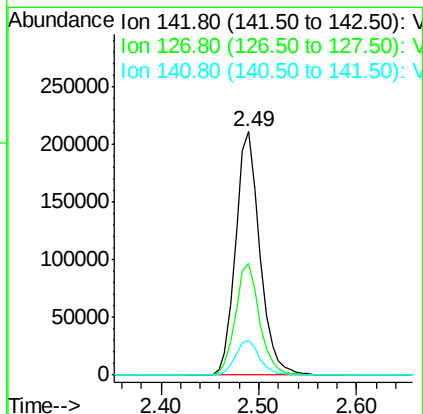
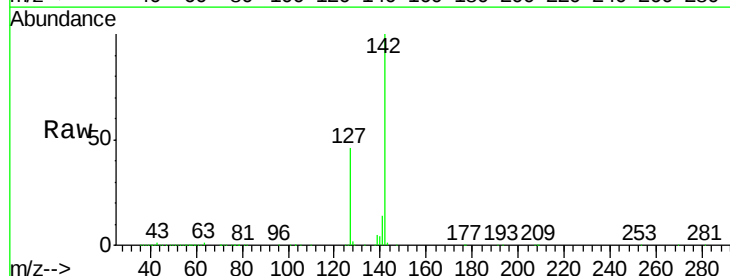
RT: 2.49 min Scan# 230

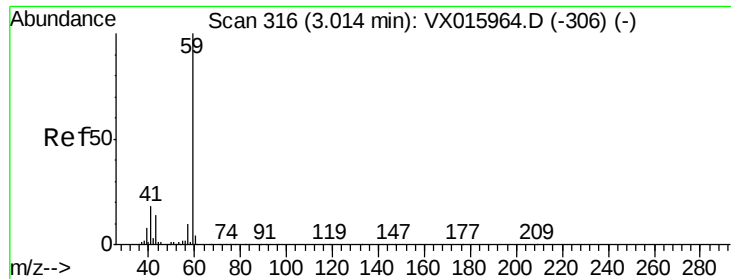
Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion:	142	Resp:	363750
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.5	54.7
141	14.4	11.6	17.4





#11

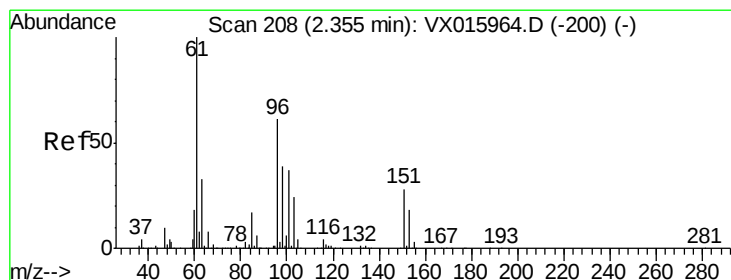
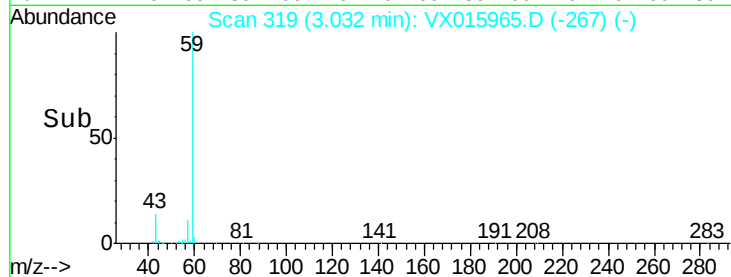
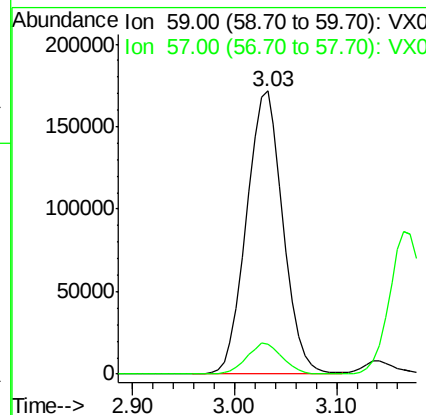
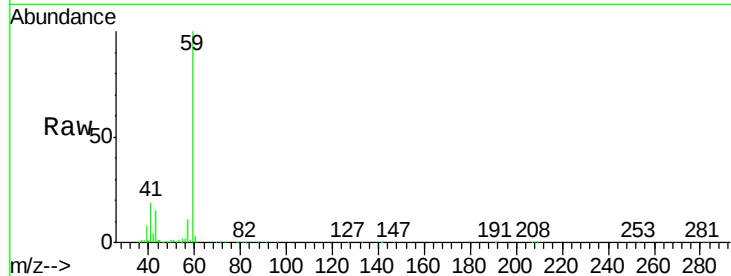
Tert butyl alcohol
 Concen: 548.588 ug/l
 RT: 3.03 min Scan# 319
 Delta R.T. 0.02 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

Manual Integrations
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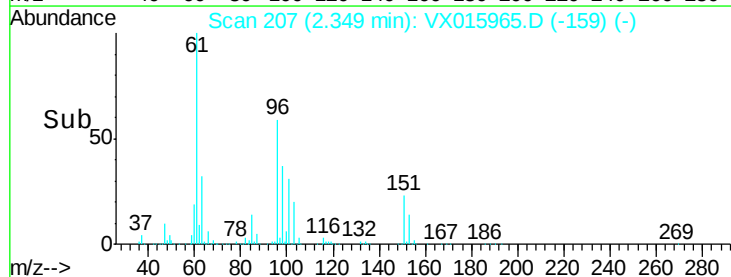
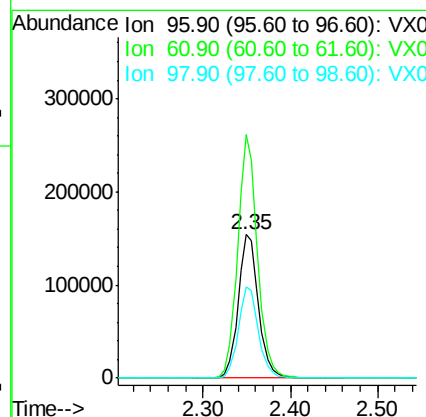
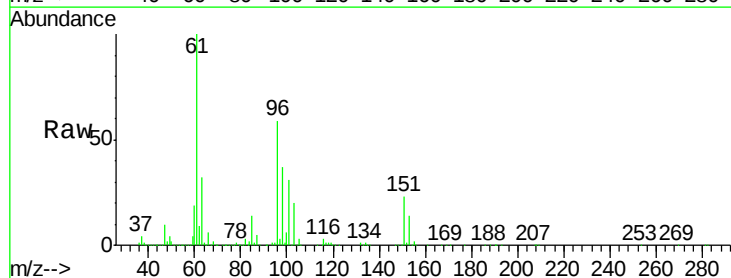
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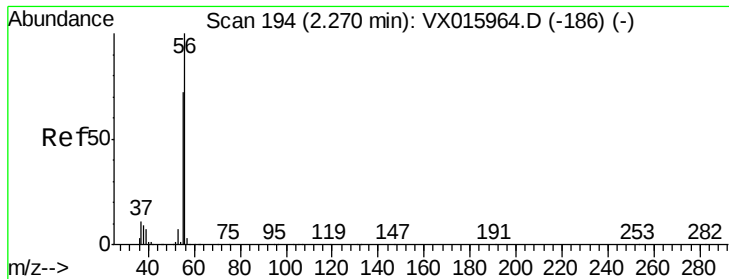


#12

1,1-Dichloroethene
 Concen: 106.152 ug/l
 RT: 2.35 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	131.0	196.4
98	63.4	50.7	76.1





#13

Acrolein

Concen: 528.697 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 103140

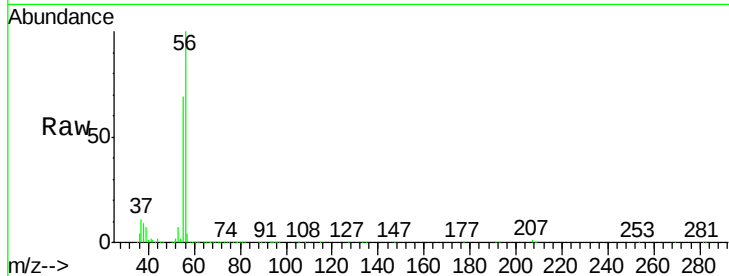
Ion Ratio Lower Upper

56 100

55 69.7 56.9 85.3

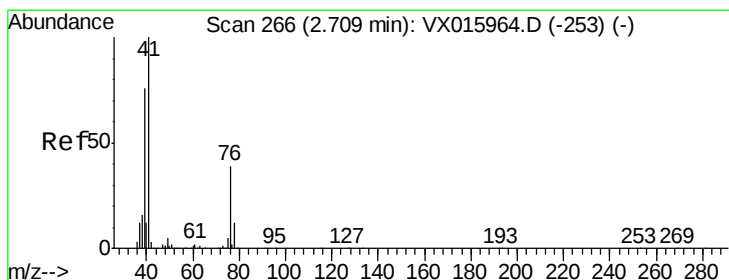
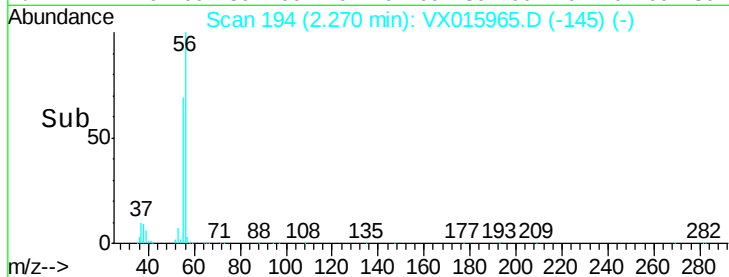
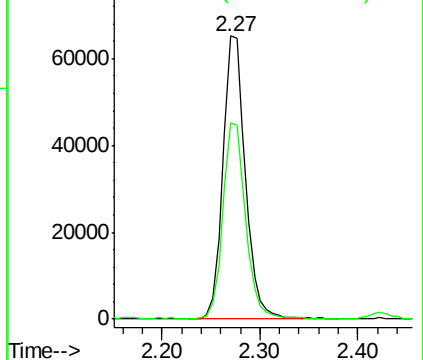
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 109.311 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

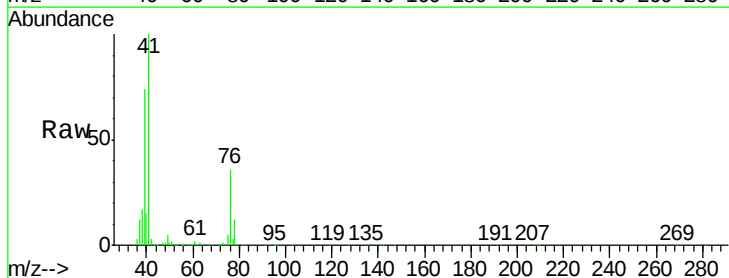
Tgt Ion: 41 Resp: 461261

Ion Ratio Lower Upper

41 100

39 69.4 55.4 83.0

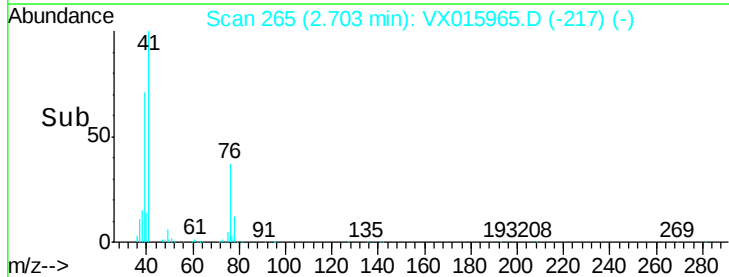
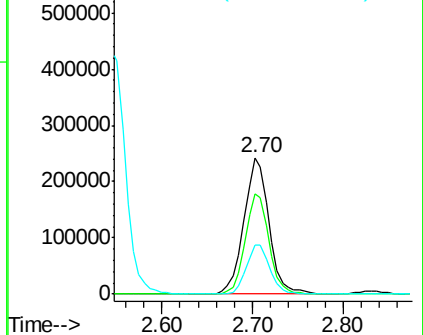
76 33.9 27.1 40.7

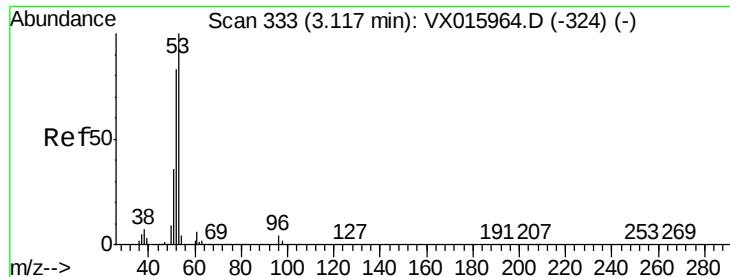


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 547.269 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

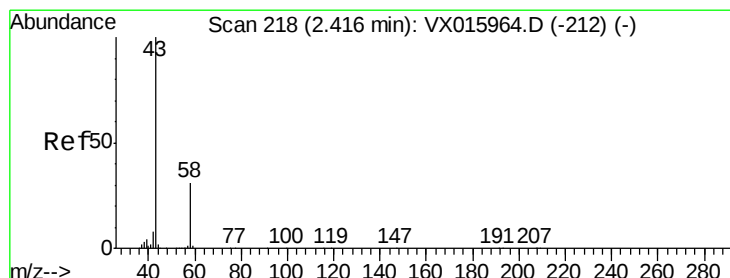
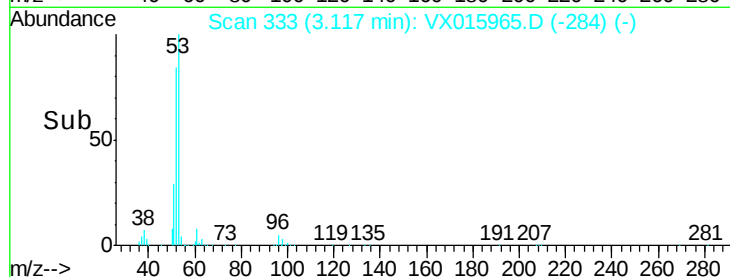
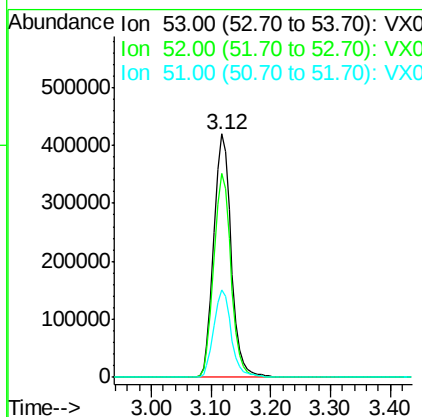
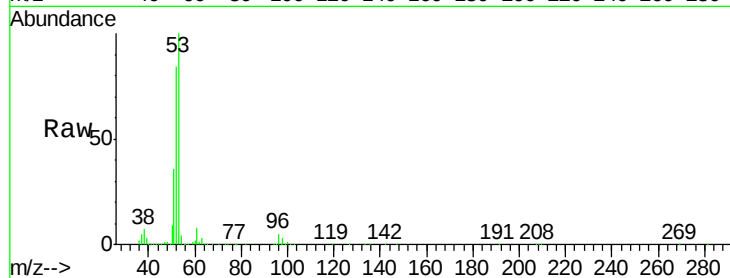
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	842349
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.5	98.3
51	36.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 536.148 ug/l

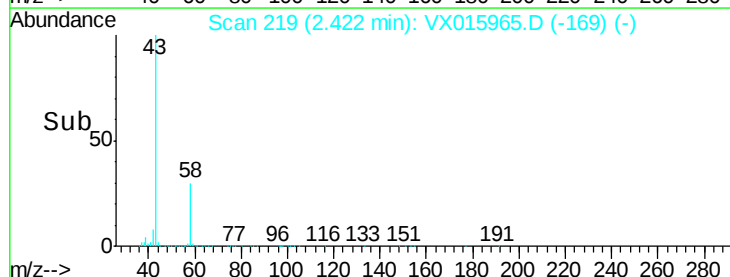
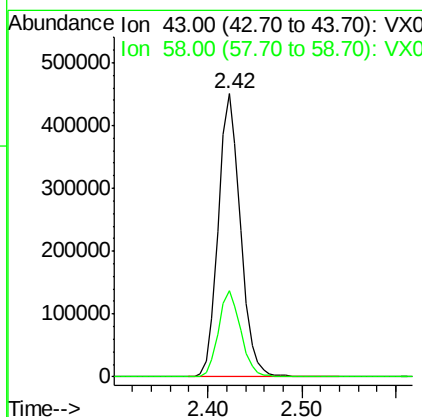
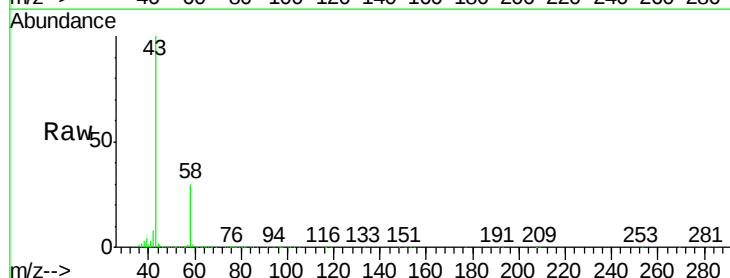
RT: 2.42 min Scan# 219

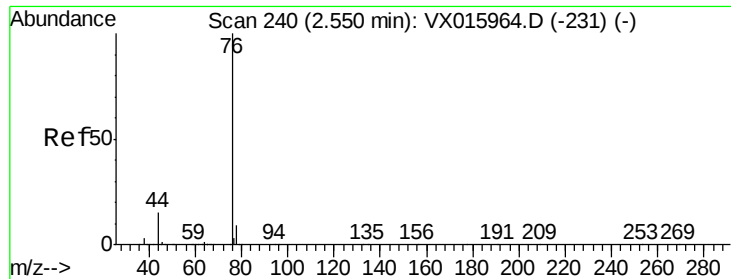
Delta R.T. 0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion:	43	Resp:	733175
Ion	Ratio	Lower	Upper
43	100		
58	30.4	25.1	37.7





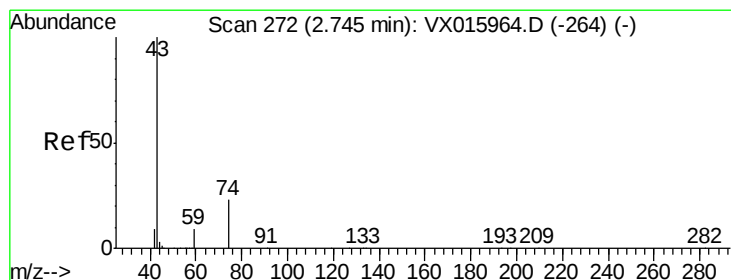
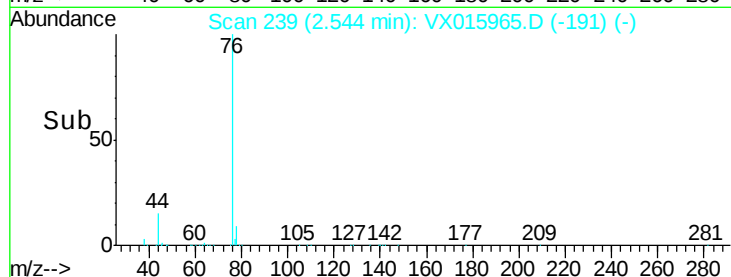
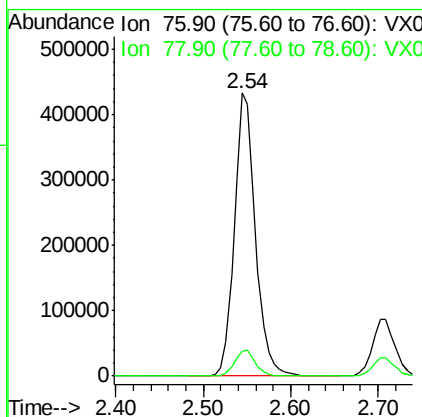
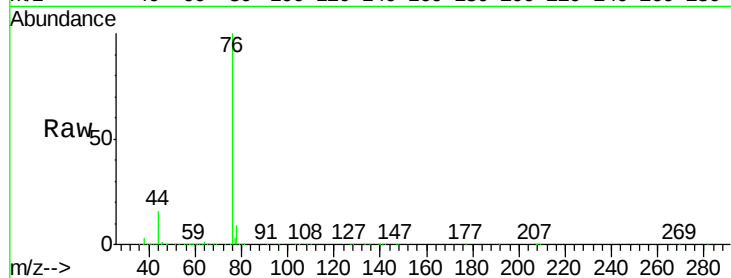
#17
Carbon Disulfide
Concen: 96.845 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

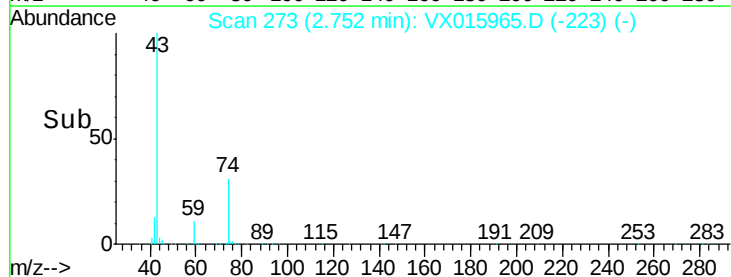
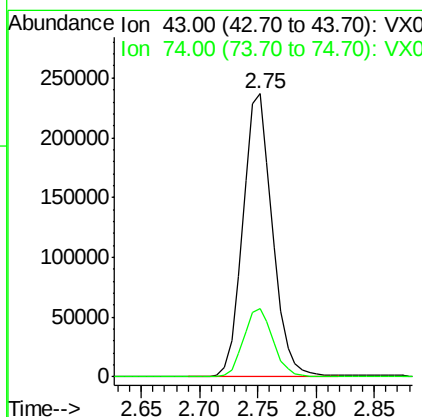
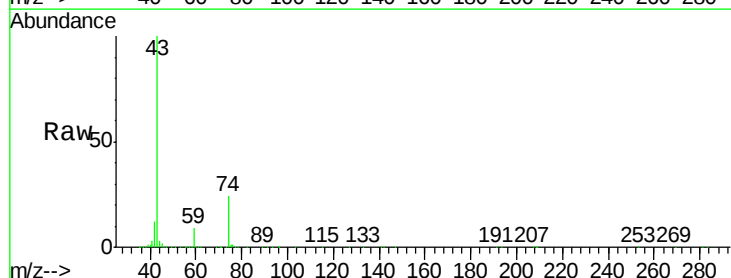
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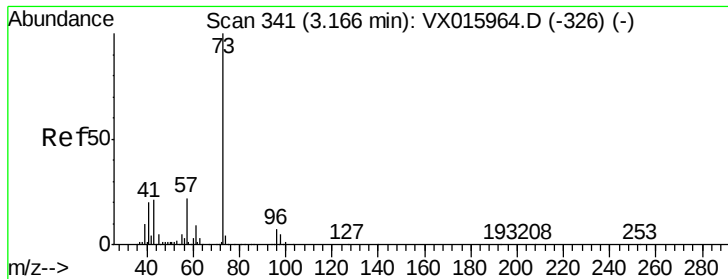
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4/30/2020 2:59:56 PM



#18
Methyl Acetate
Concen: 107.944 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.6	29.4





#19

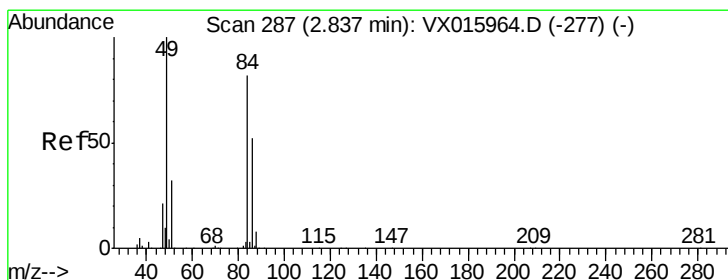
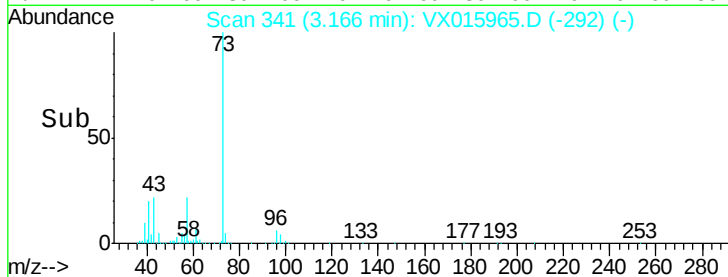
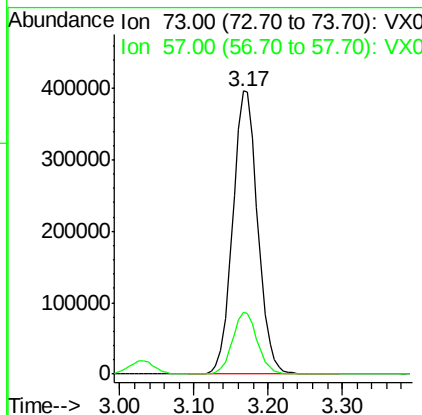
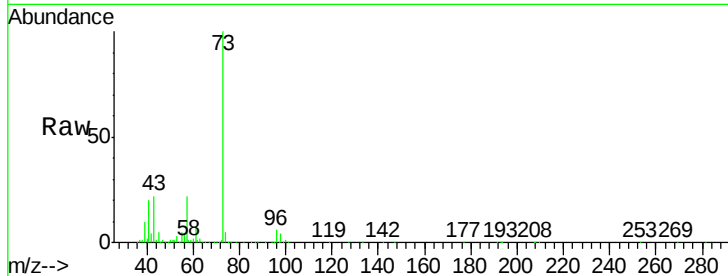
Methyl tert-butyl Ether
 Concen: 109.802 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	73	Resp	929356
Ion Ratio	100	Lower	Upper
73	100		
57	21.7	17.5	26.3

Manual Integrations
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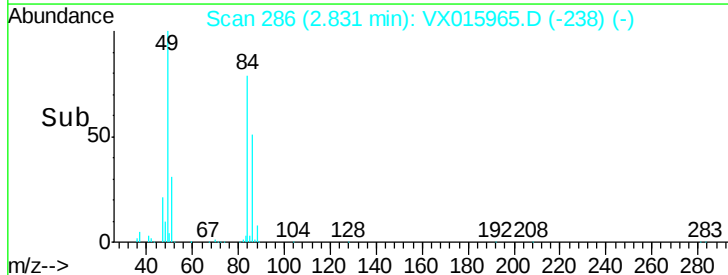
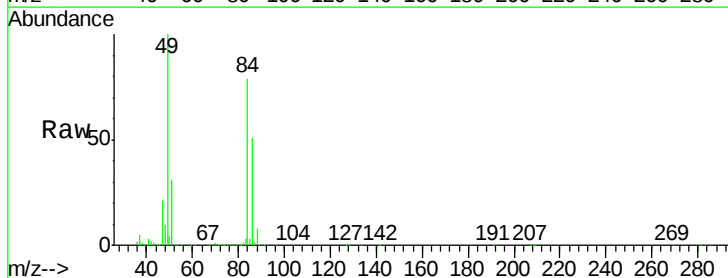
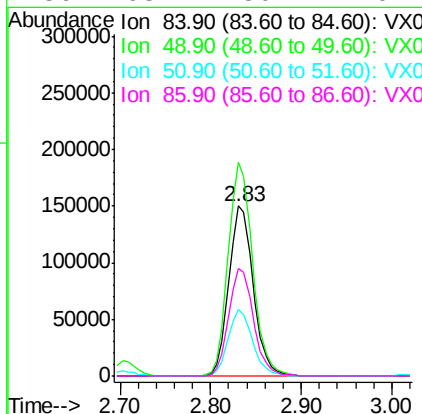
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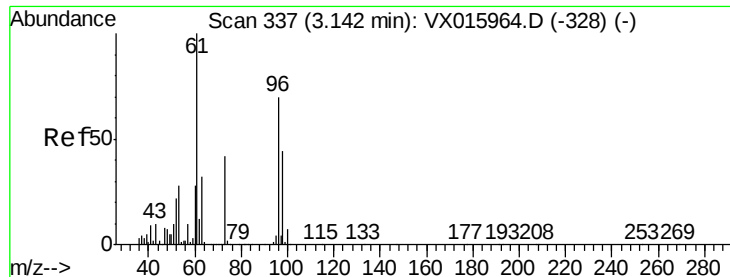


#20

Methylene Chloride
 Concen: 103.789 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Tgt Ion	84	Resp	280964
Ion Ratio	100	Lower	Upper
84	100		
49	125.7	97.9	146.9
51	39.5	31.2	46.8
86	63.7	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 105.321 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

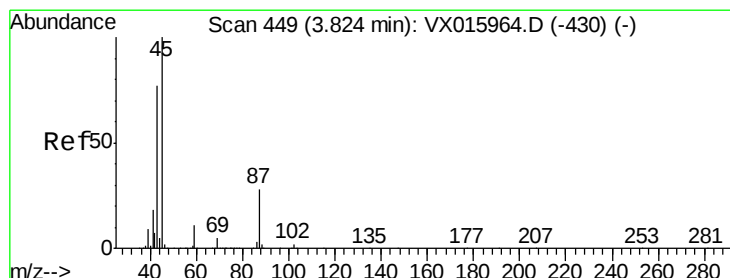
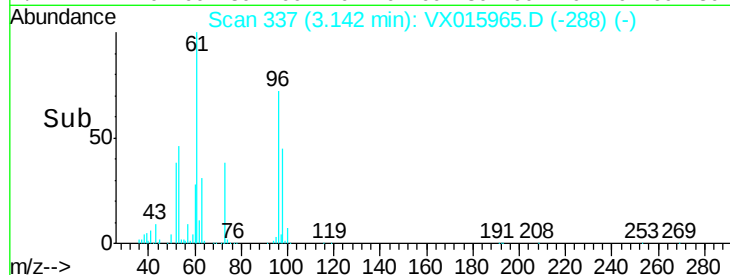
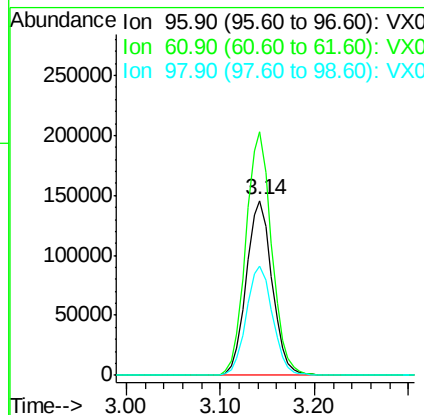
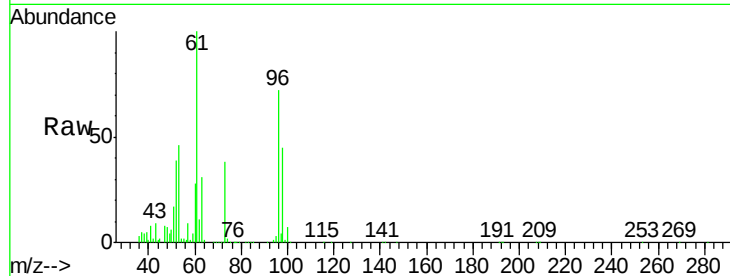
ClientSampleId :

VSTDICC100

Tot Ion:	96	Resp:	277767
Ion	Ratio	Lower	Upper
96	100		
61	139.2	113.6	170.4
98	62.2	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 110.359 ug/l

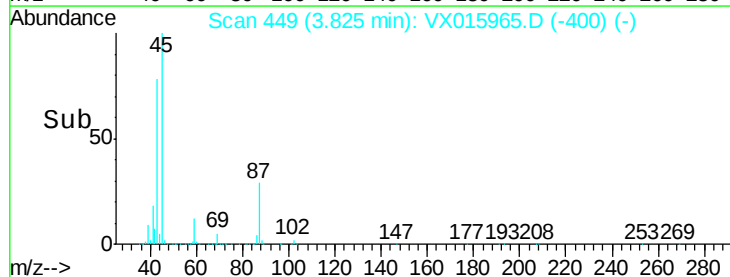
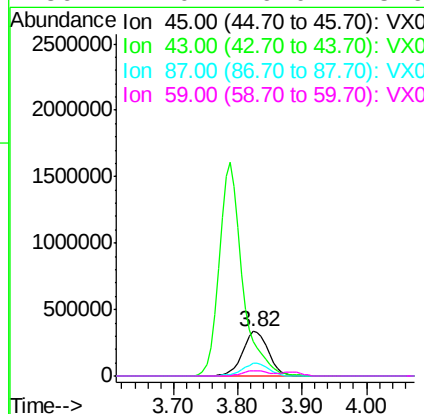
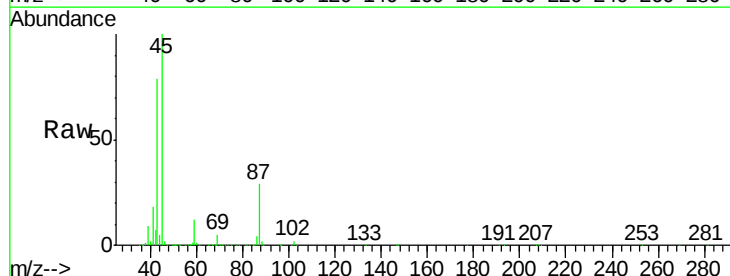
RT: 3.82 min Scan# 449

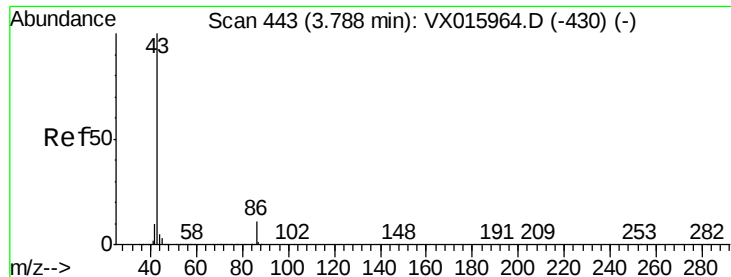
Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion:	45	Resp:	915536
Ion	Ratio	Lower	Upper
45	100		
43	78.4	61.3	91.9
87	28.8	22.6	33.8
59	12.0	9.0	13.6





#23

Vinyl Acetate

Concen: 564.129 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4065403

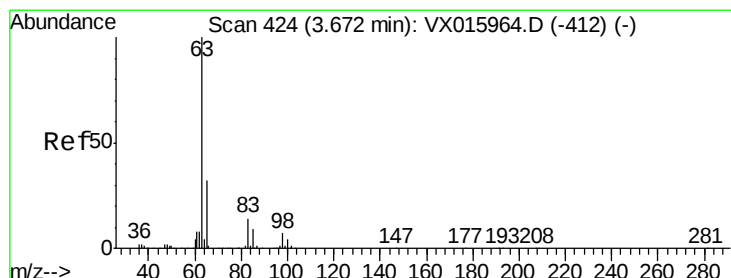
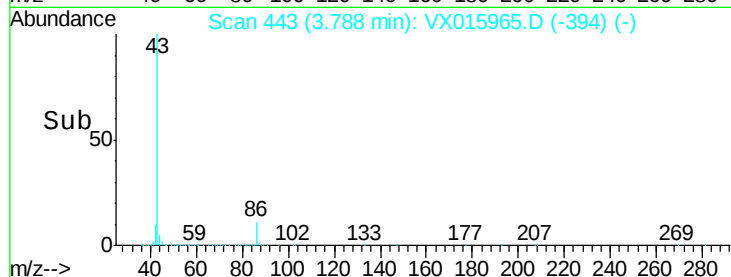
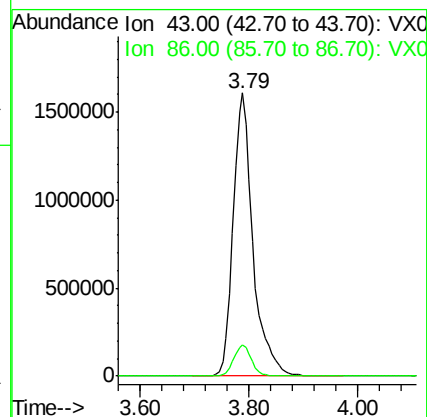
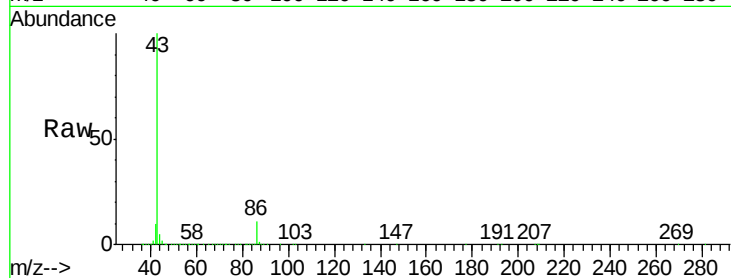
Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 109.240 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

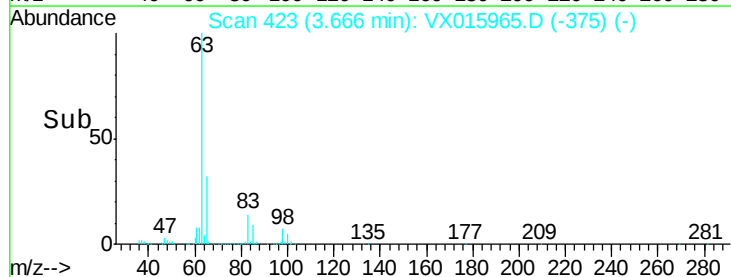
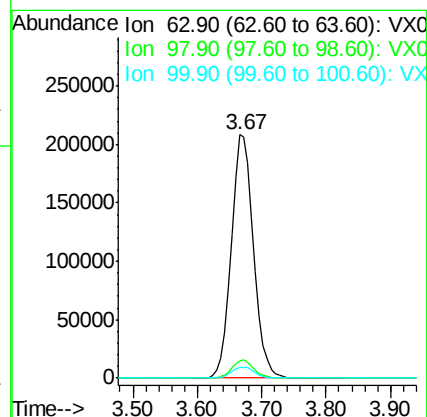
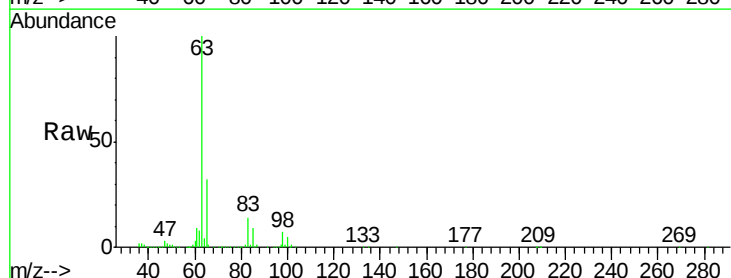
Tgt Ion: 63 Resp: 504838

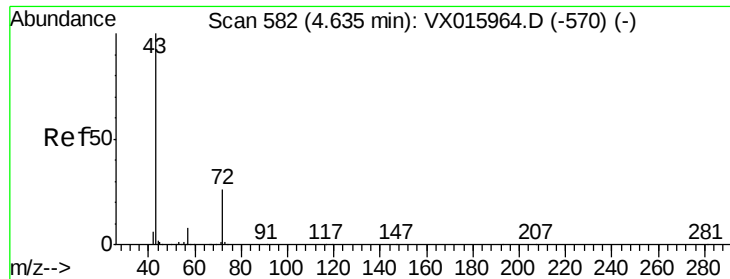
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 550.956 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tot Ion: 43 Resp: 1220912

Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

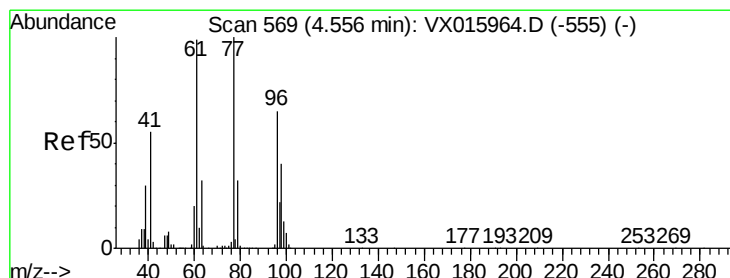
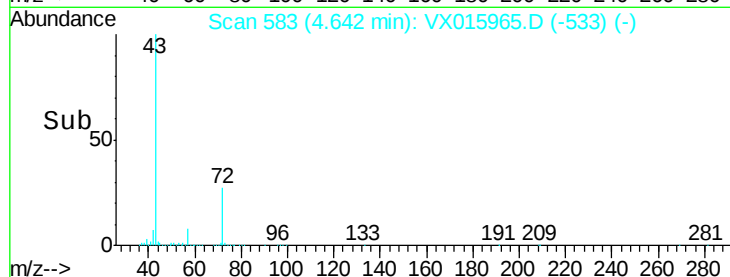
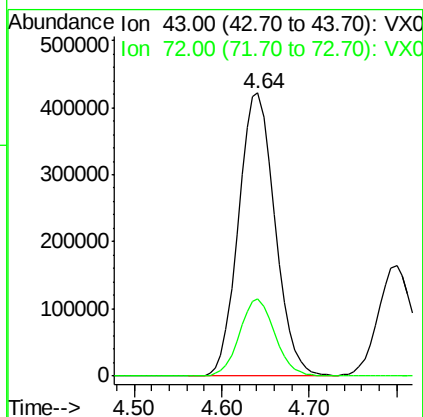
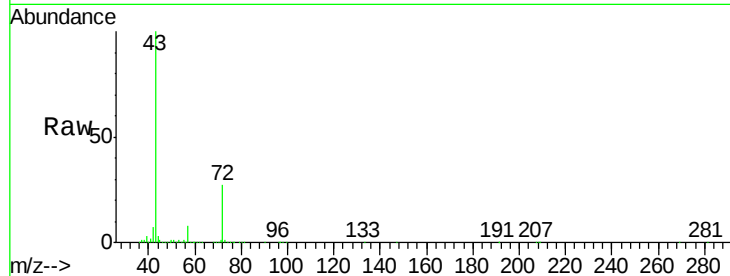
VSTDIC100

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 108.389 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015965.D

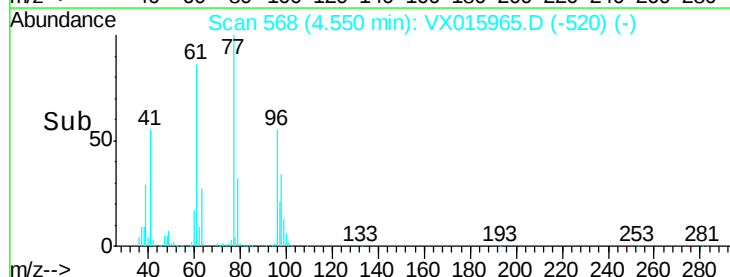
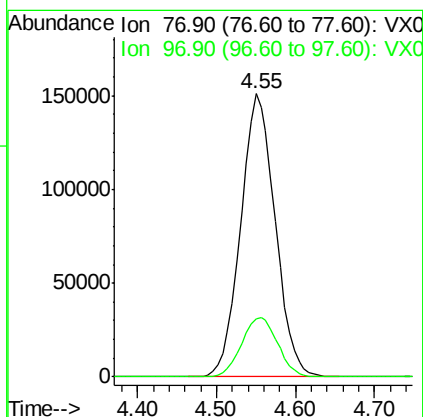
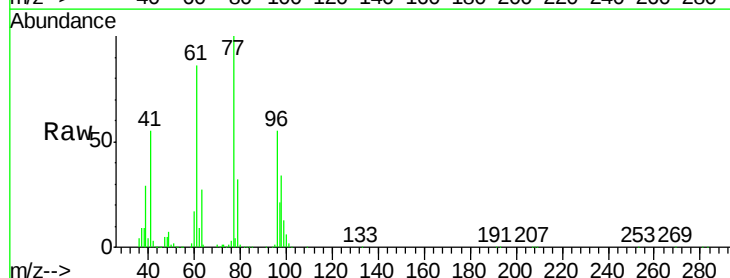
Acq: 28 Apr 2020 16:31

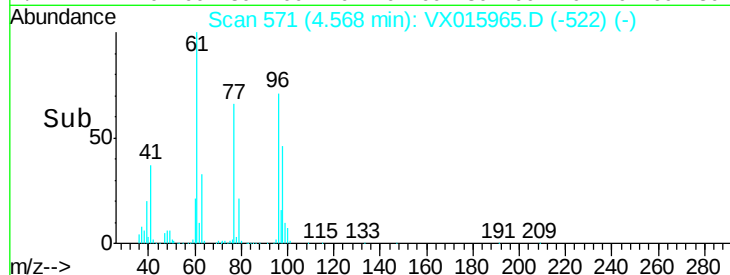
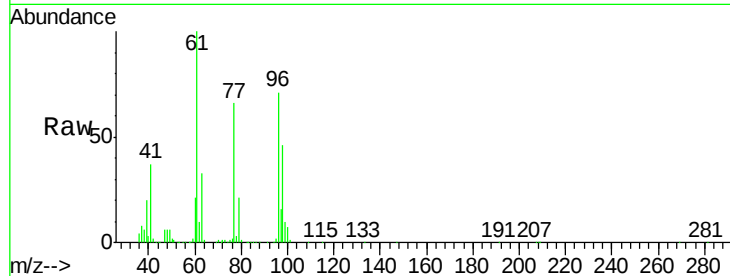
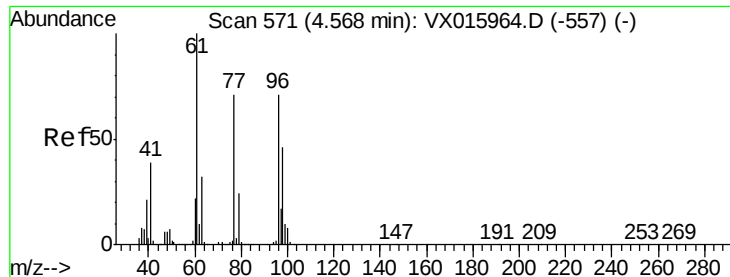
Tgt Ion: 77 Resp: 457997

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3





#27

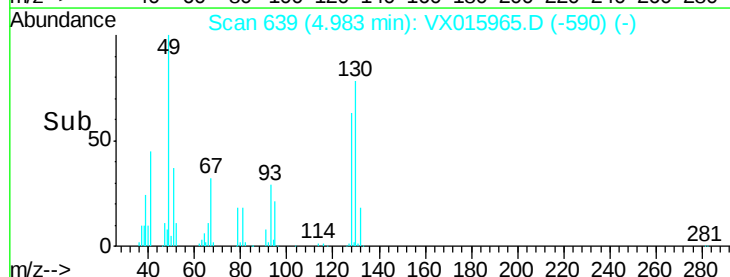
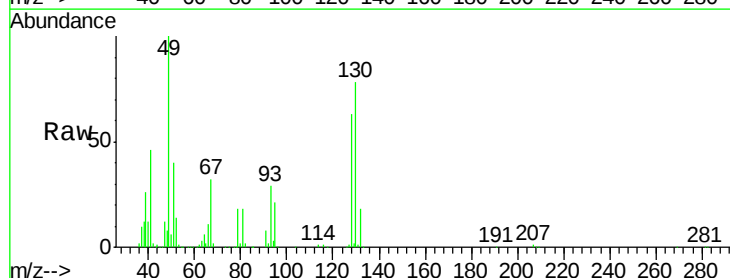
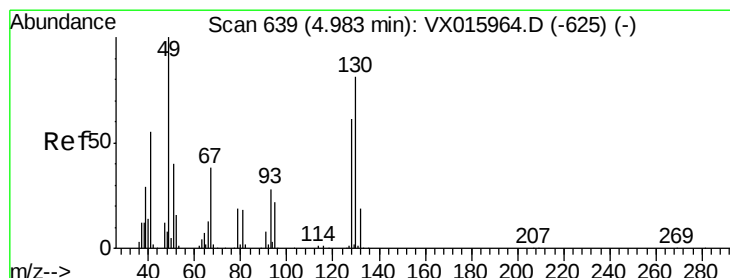
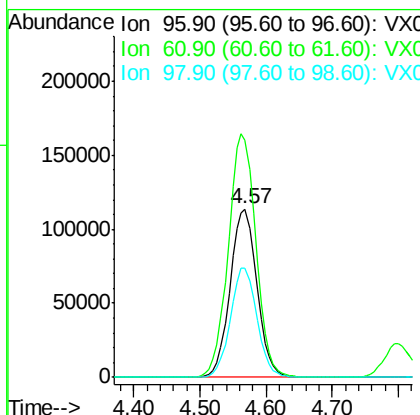
cis-1,2-Dichloroethene
Concen: 106.333 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tot Ion	Ratio	Resp	Lower	Upper
96	100	318239		
61	149.5	0.0	294.2	
98	64.5	0.0	127.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

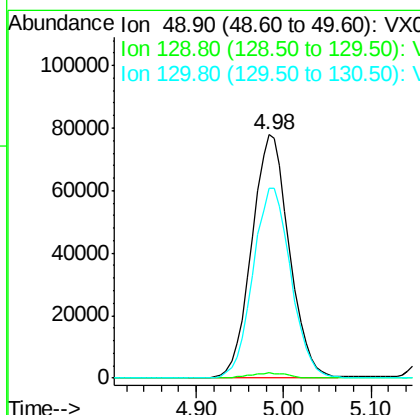
MMDadoda
4/30/2020 2:59:56 PM

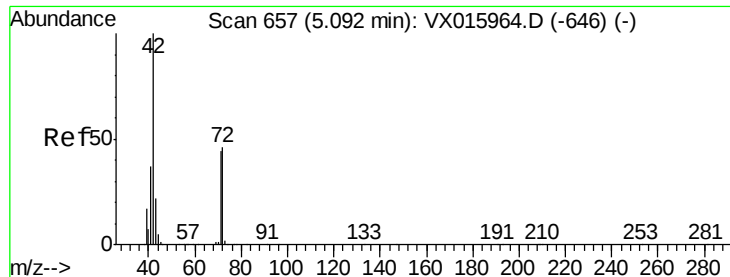


#28

Bromochloromethane
Concen: 104.007 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	232595		
129	2.2	0.0	4.6	
130	79.0	63.9	95.9	





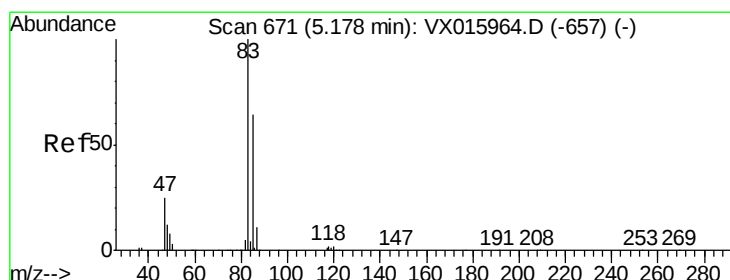
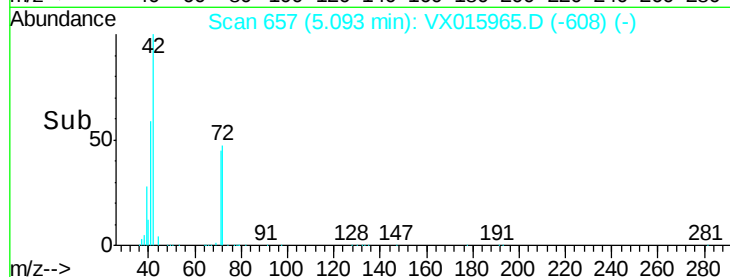
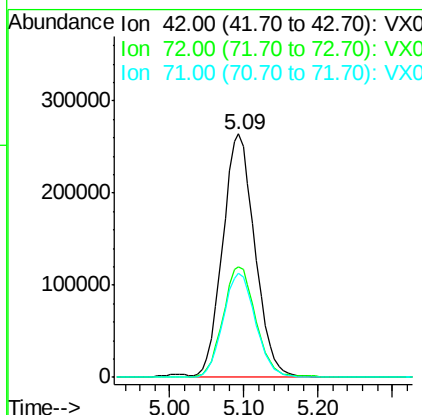
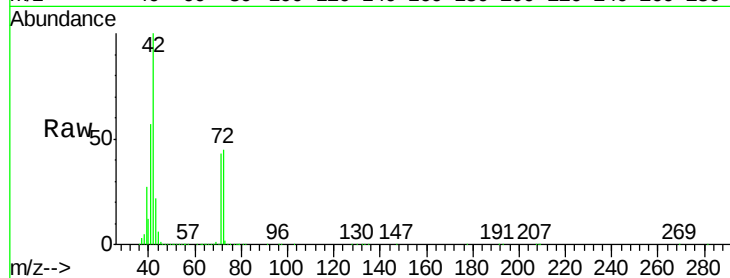
#29
Tetrahydrofuran
Concen: 547.073 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.4	56.0
71	43.2	34.6	52.0

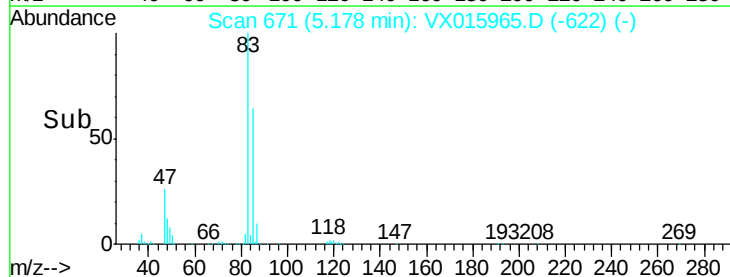
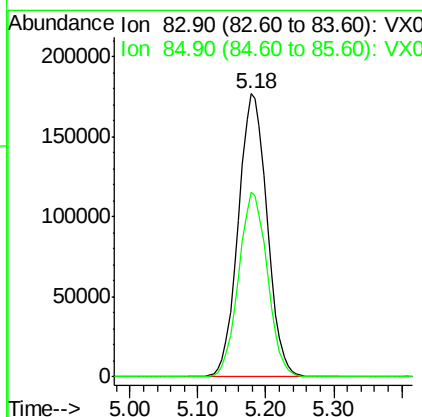
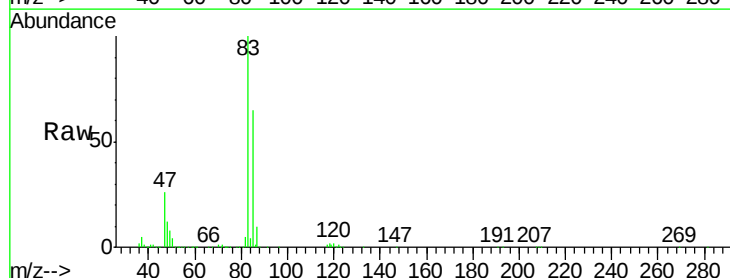
Manual Integrations
APPROVED

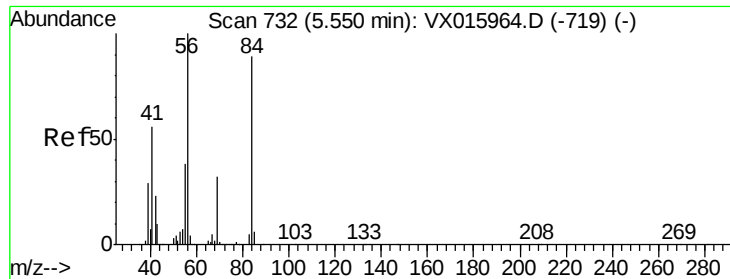
MMDadoda
4/30/2020 2:59:56 PM



#30
Chloroform
Concen: 108.396 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.4





#31

Cyclohexane

Concen: 108.710 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

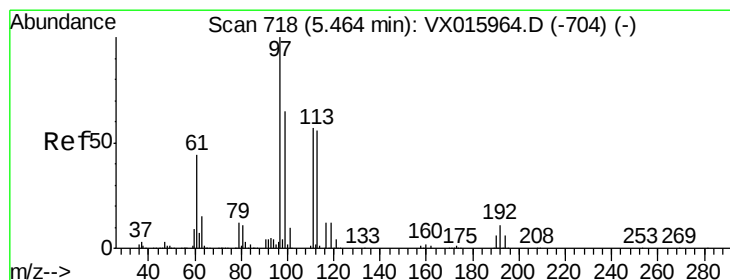
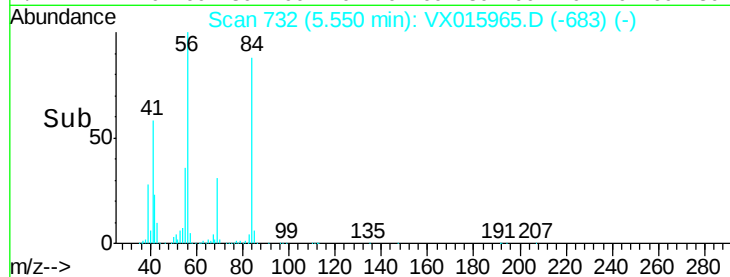
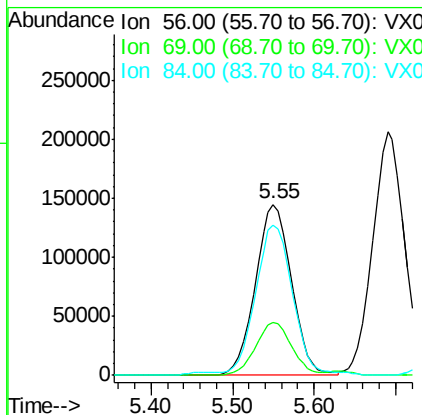
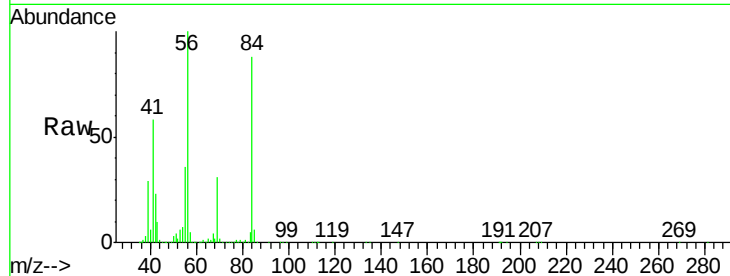
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	447257
Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.4	38.2
84	86.8	71.0	106.6

Manual Integrations
APPROVED

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4/30/2020 2:59:56 PM



#32

1,1,1-Trichloroethane

Concen: 109.199 ug/l

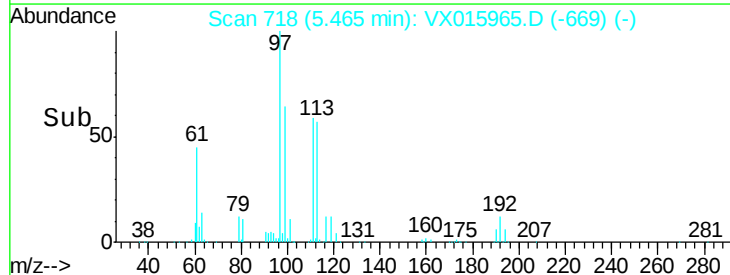
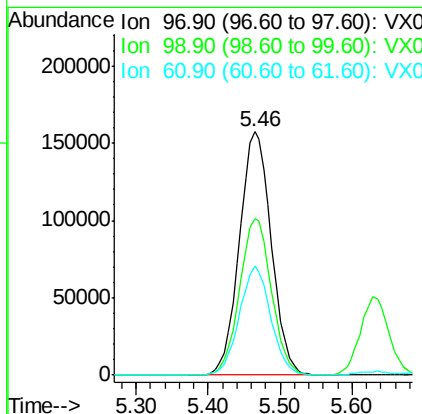
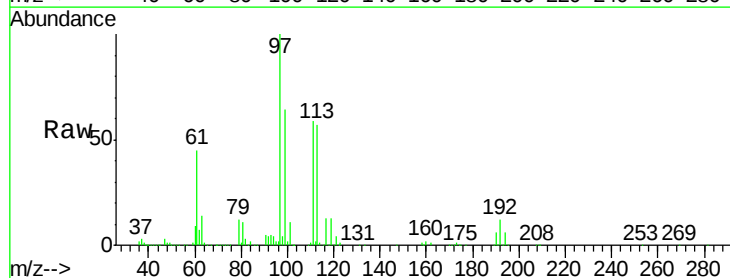
RT: 5.46 min Scan# 718

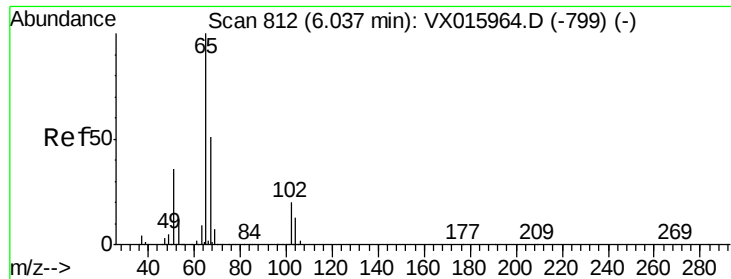
Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion:	97	Resp:	483161
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	44.1	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 105.435 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 337172

Ion Ratio Lower Upper

65 100

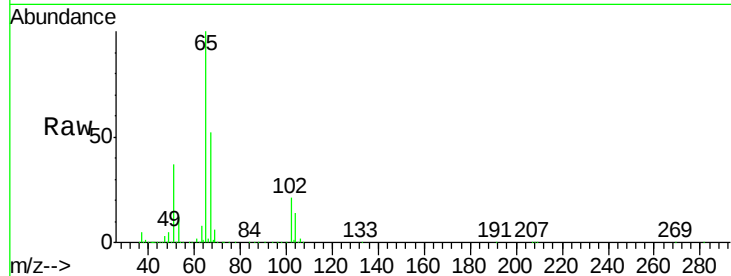
67 51.3 0.0 102.4

Manual Integrations

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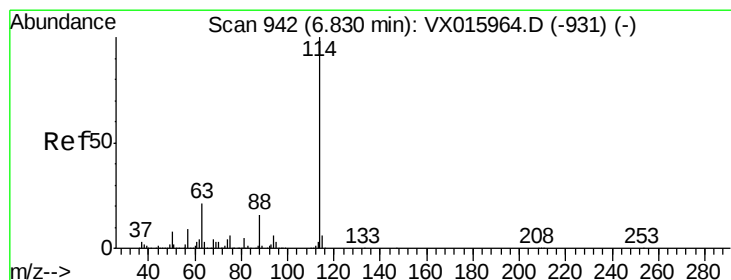
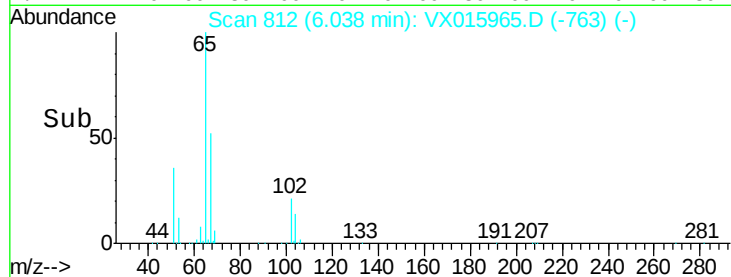
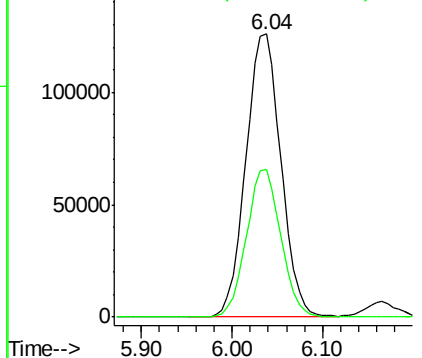
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

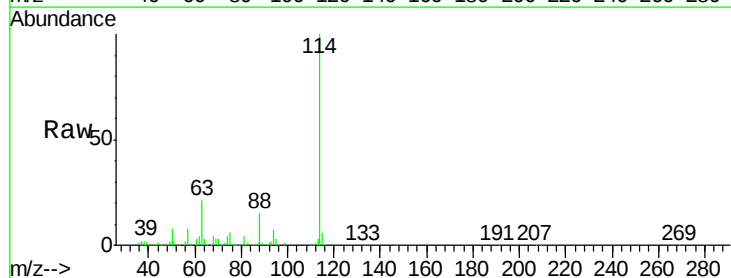
Tgt Ion: 114 Resp: 396193

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.2

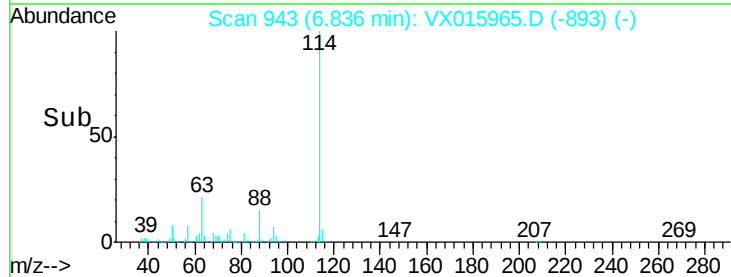
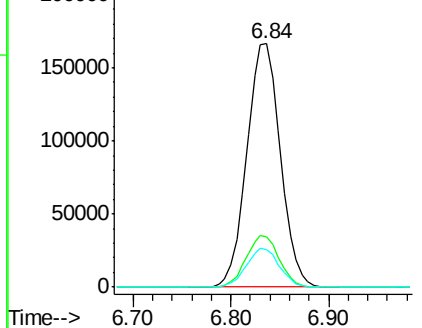
88 15.3 0.0 31.8

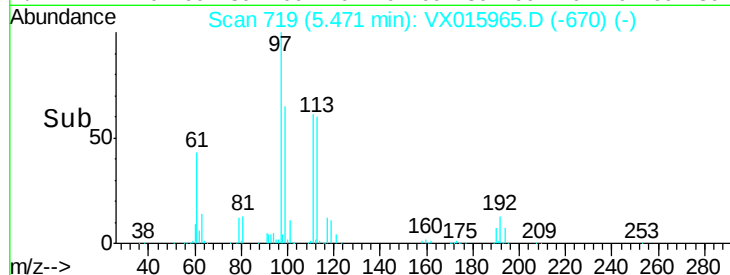
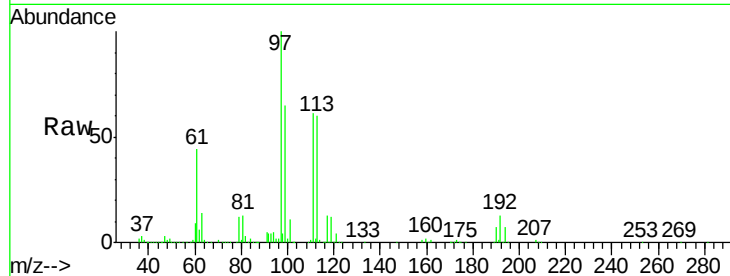
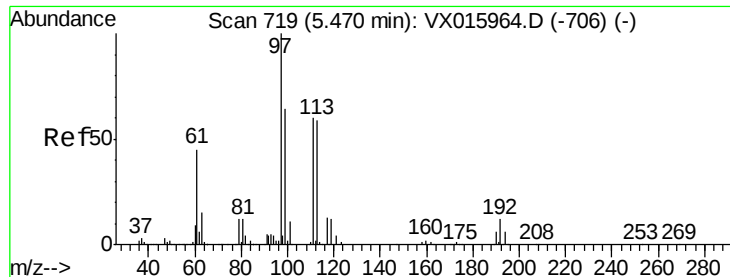


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





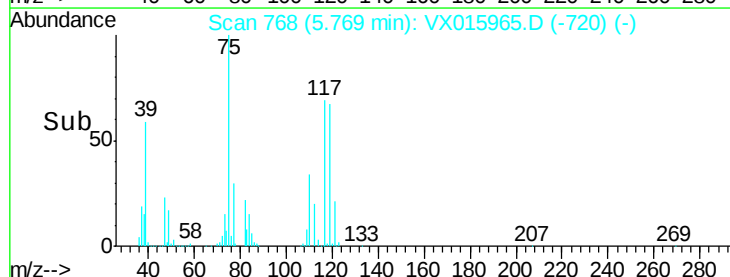
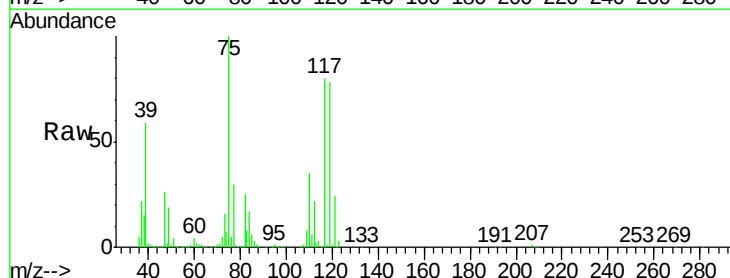
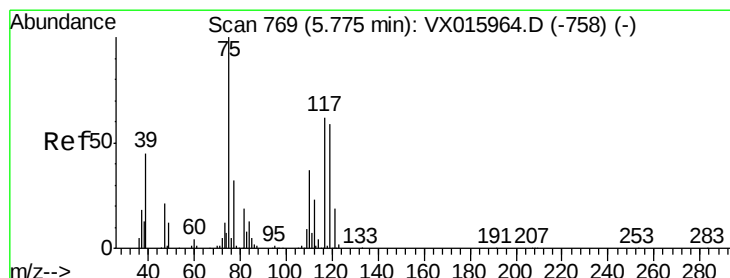
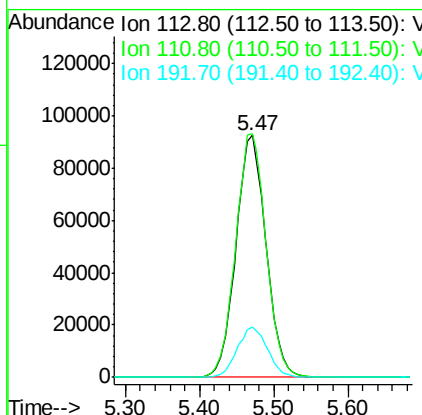
#35
Dibromofluoromethane
Concen: 105.965 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tot Ion	Ratio	Resp	Lower	Upper
113	100	261890		
111	102.0	81.8	122.8	
192	21.1	16.8	25.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

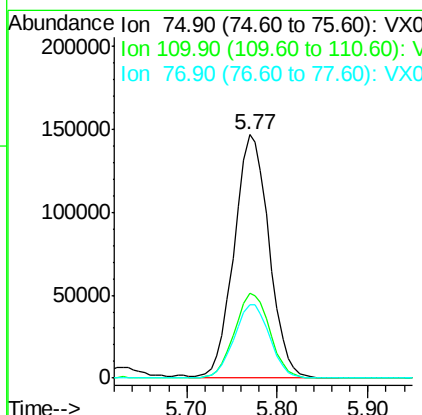
Manual Integrations
APPROVED

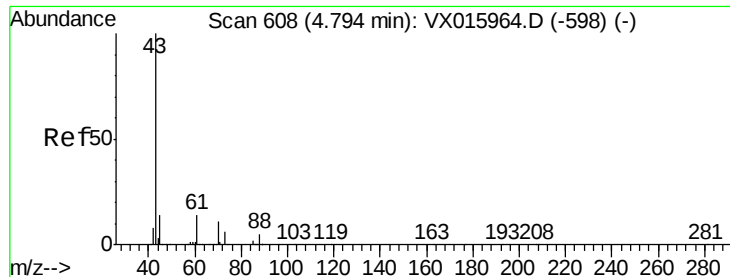
MMDadoda
4/30/2020 2:59:56 PM



#36
1,1-Dichloropropene
Concen: 103.411 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	390221		
110	35.5	17.9	53.7	
77	30.7	25.2	37.8	





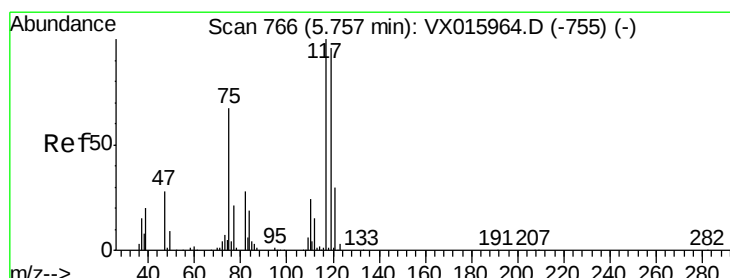
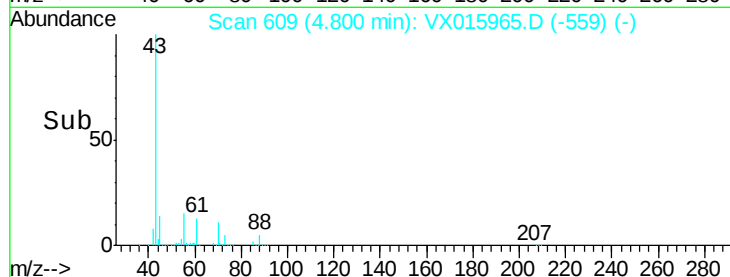
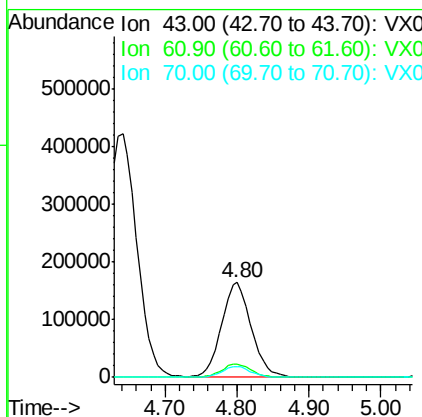
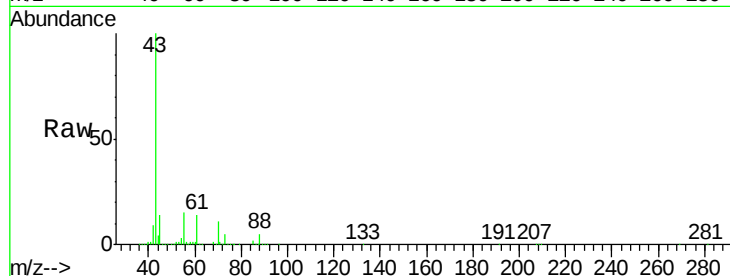
#37
Ethyl Acetate
Concen: 108.584 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	469839
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.6	17.4
70	11.1	8.9	13.3

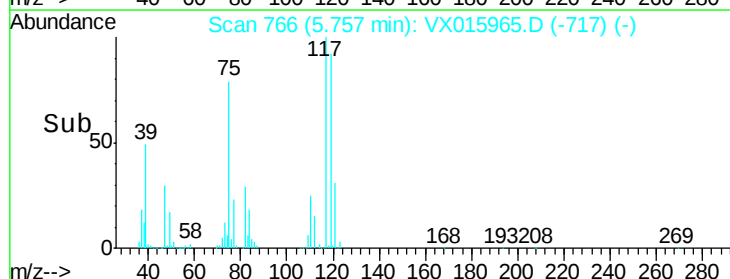
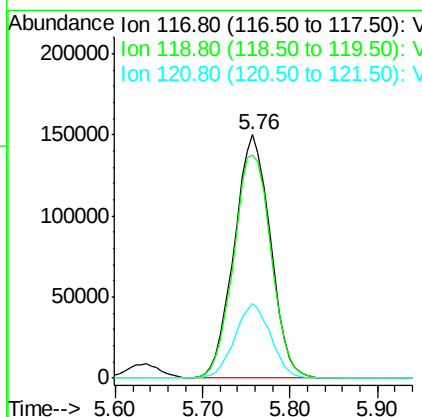
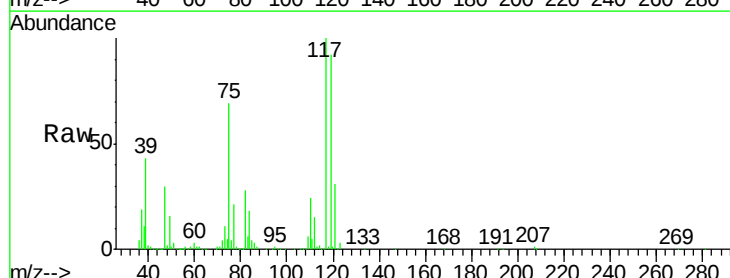
Manual Integrations
APPROVED

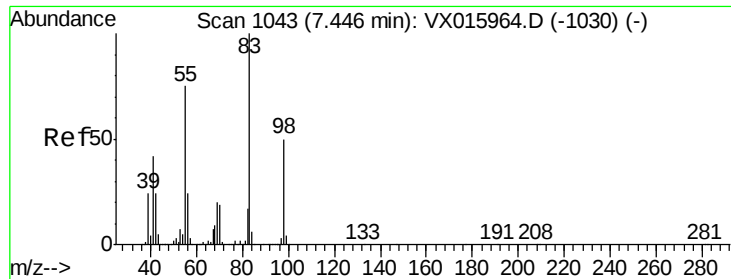
MMDadoda
4/30/2020 2:59:56 PM



#38
Carbon Tetrachloride
Concen: 108.292 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion:	117	Resp:	431619
Ion	Ratio	Lower	Upper
117	100		
119	91.7	76.2	114.4
121	30.6	24.2	36.4





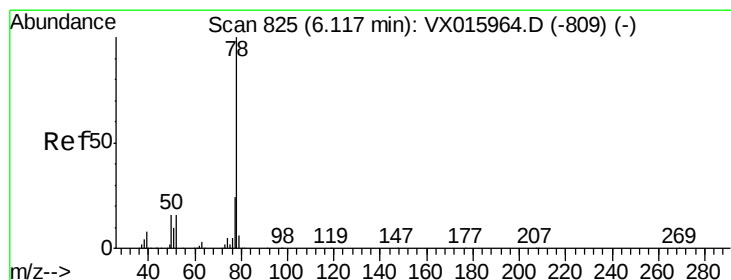
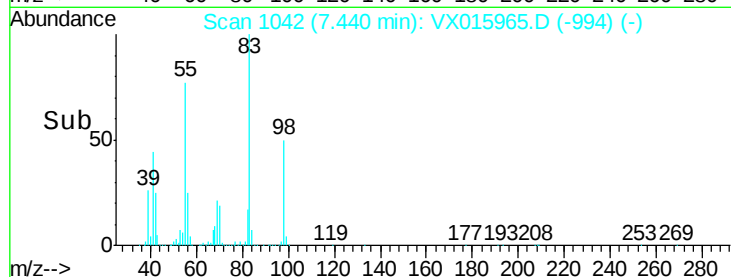
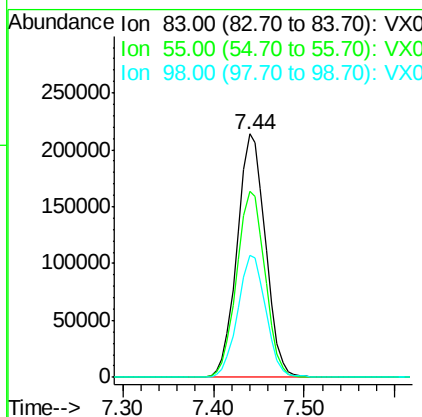
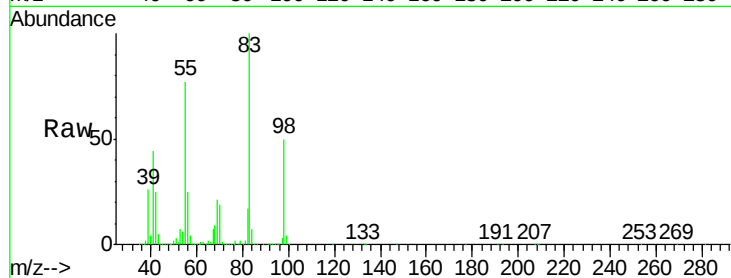
#39
Methvlcvclohexane
Concen: 106.204 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.9	89.9
98	49.9	39.9	59.9

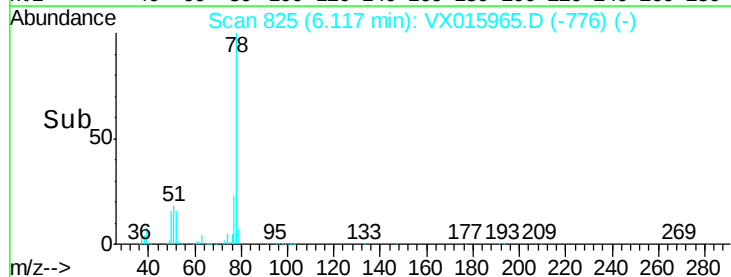
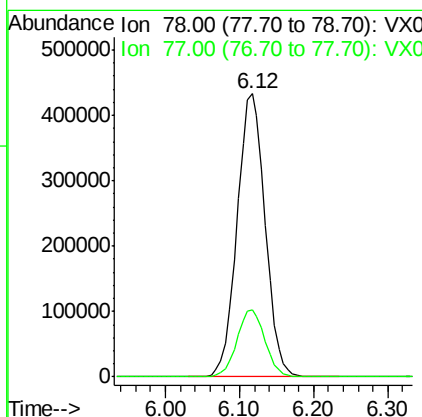
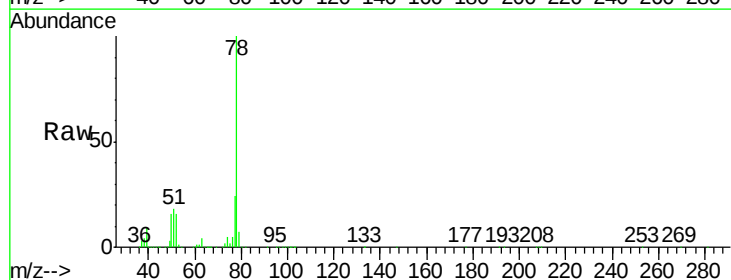
Manual Integrations
APPROVED

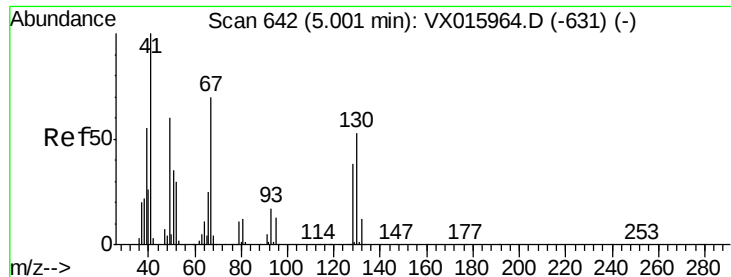
MMDadoda
4/30/2020 2:59:56 PM



#40
Benzene
Concen: 105.797 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 110.465 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 255849

Ion Ratio Lower Upper

41 100

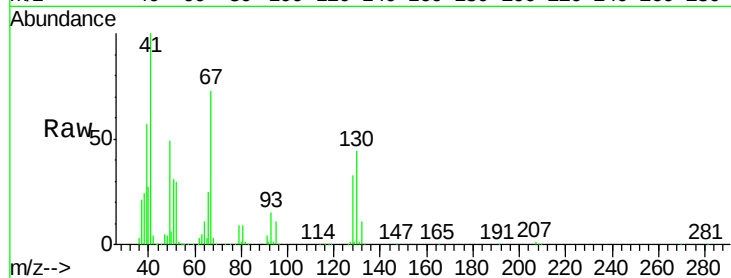
39 56.3 45.2 67.8

67 72.3 59.4 89.2

52 30.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:59:56 PM

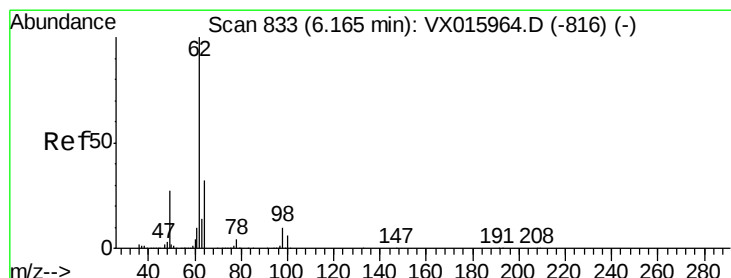
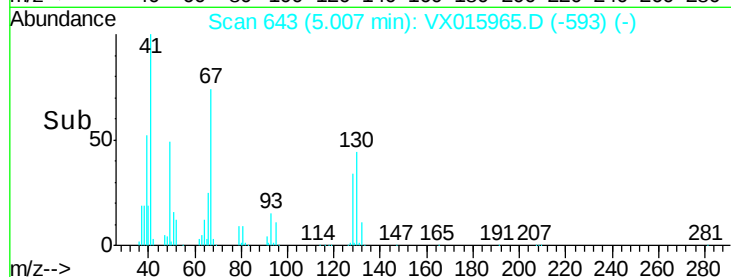
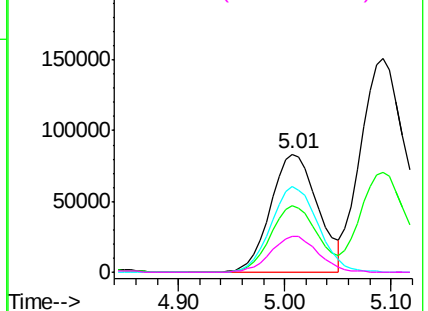


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 104.884 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX015965.D

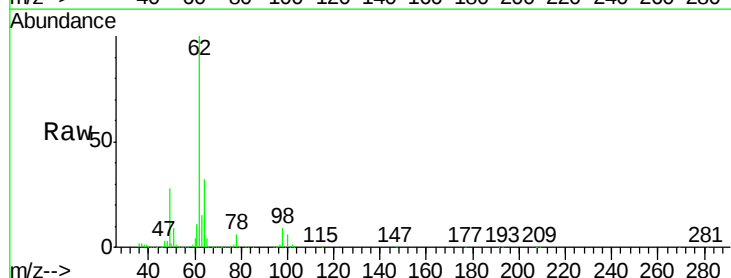
Acq: 28 Apr 2020 16:31

Tgt Ion: 62 Resp: 437555

Ion Ratio Lower Upper

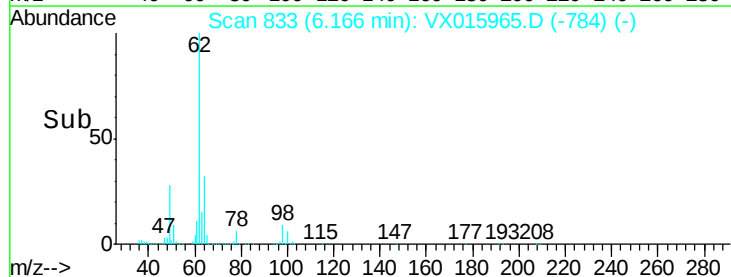
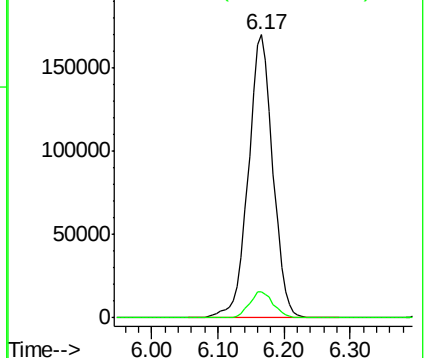
62 100

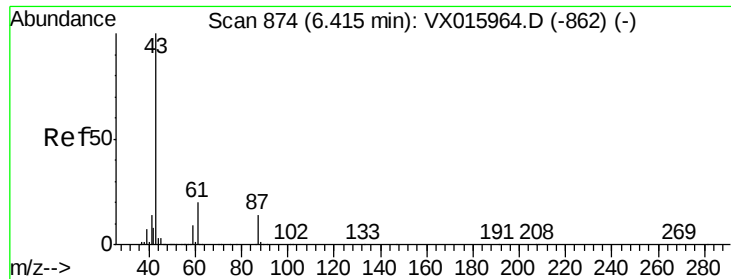
98 9.2 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

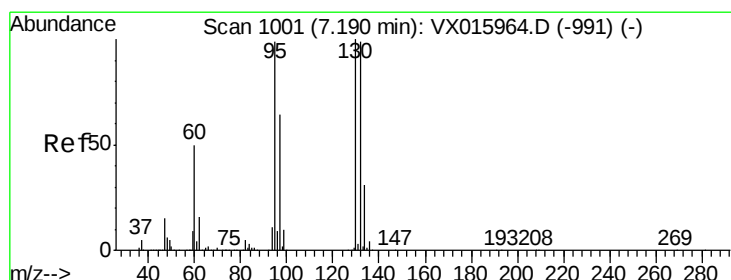
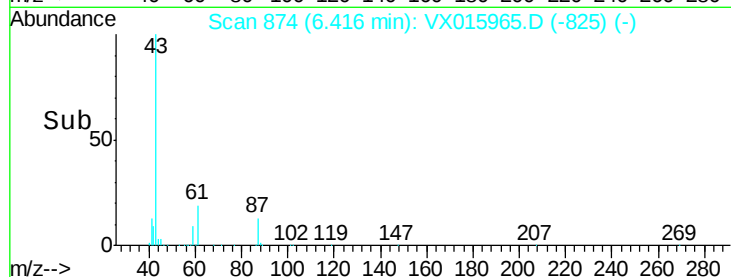
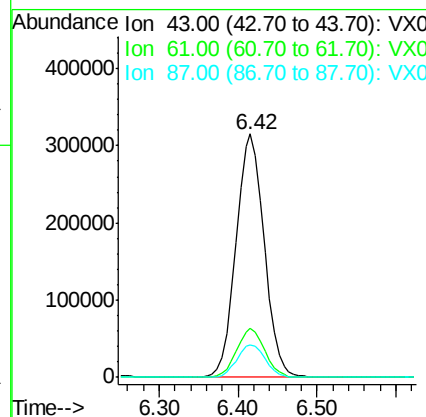
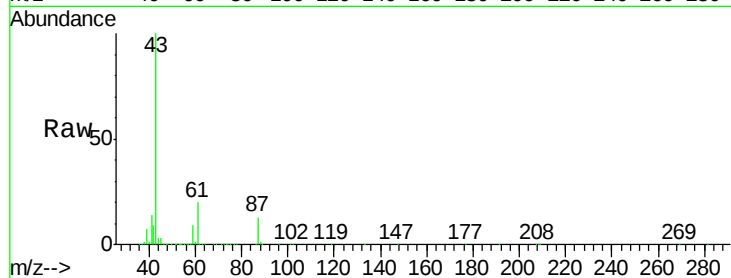
Isopropyl Acetate
 Concen: 108.605 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	43	Resp	778179
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	13.6	10.9	16.3

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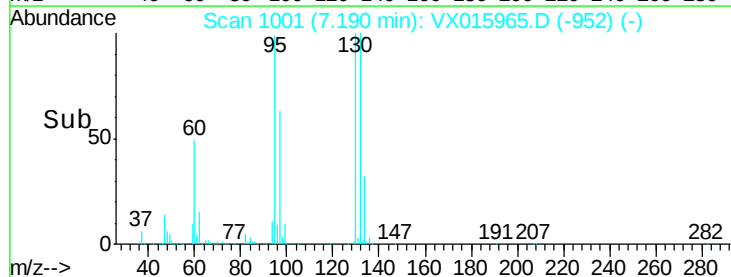
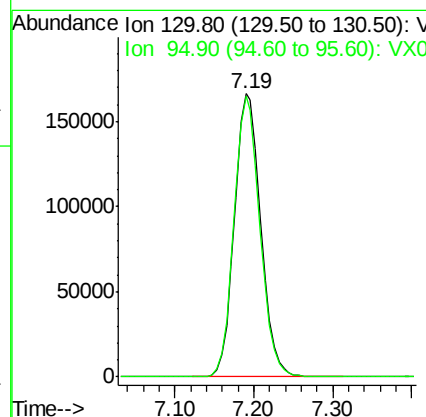
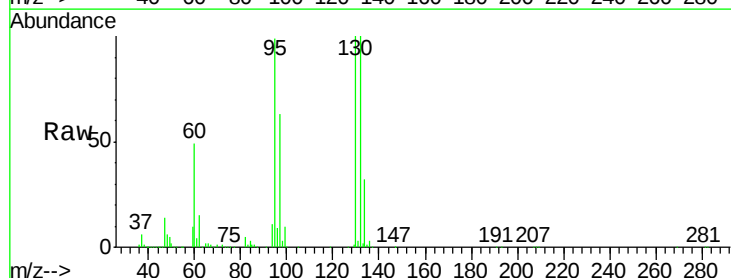
MMDadoda
 4/30/2020 2:59:56 PM

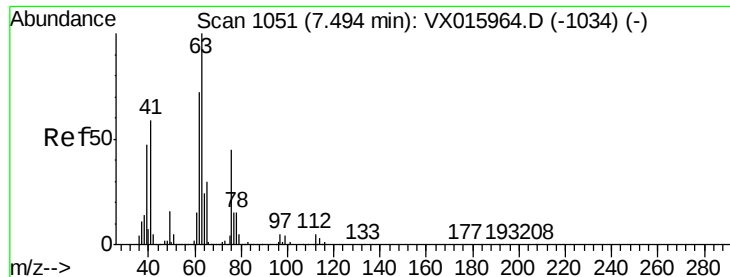


#44

Trichloroethene
 Concen: 99.343 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Tgt Ion	130	Resp	385534
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	197.4





#45

1,2-Dichloropropane

Concen: 106.159 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 295398

Ion Ratio Lower Upper

63 100

65 30.2

24.3

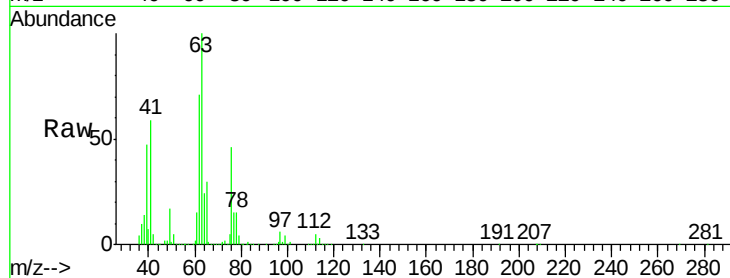
36.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

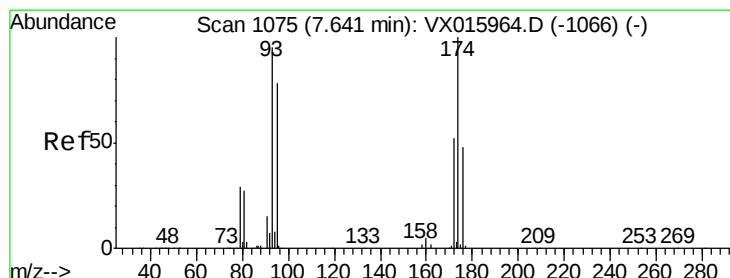
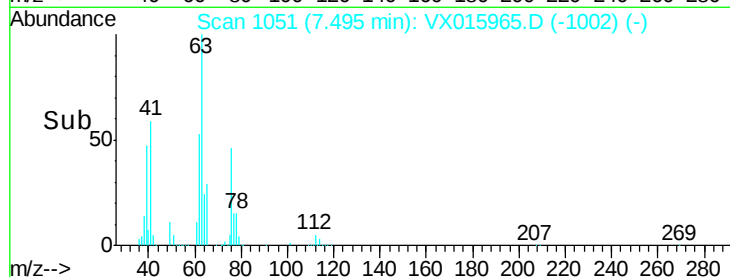
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 107.134 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion: 93 Resp: 211829

Ion Ratio Lower Upper

93 100

95 82.4

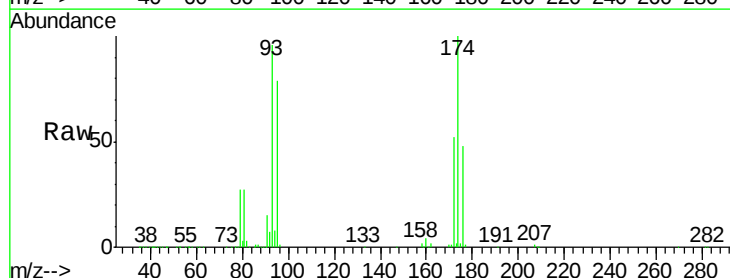
65.5

98.3

174 105.0

82.7

124.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.64

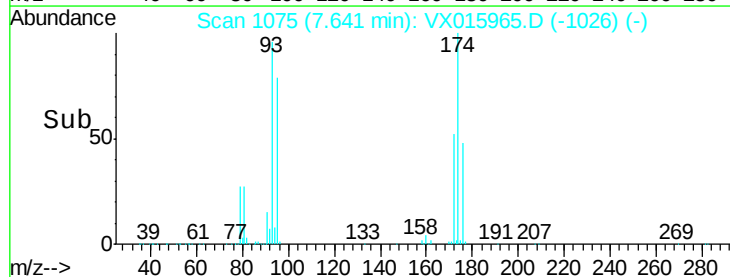
150000

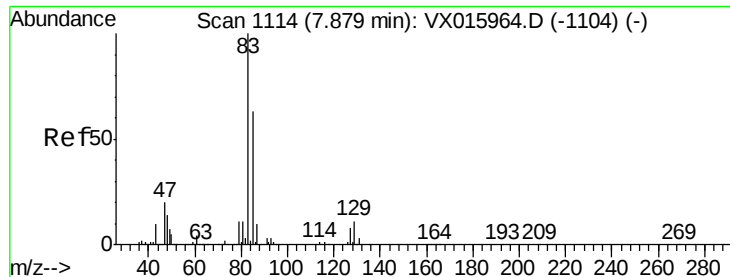
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 110.489 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

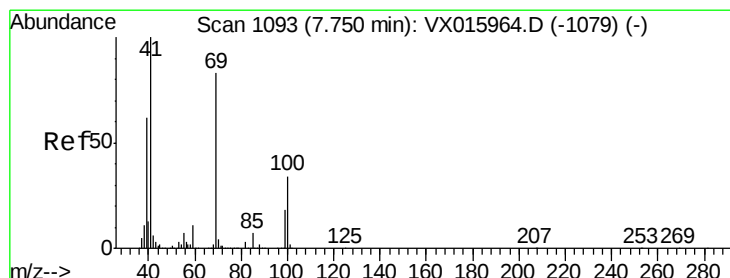
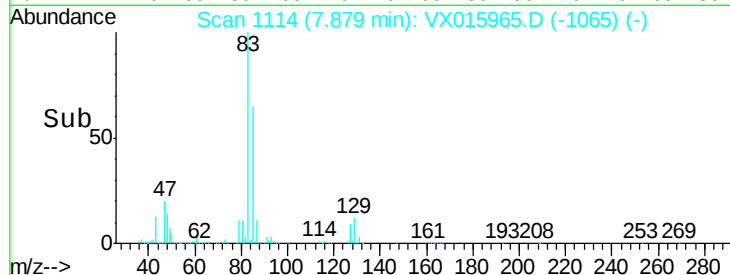
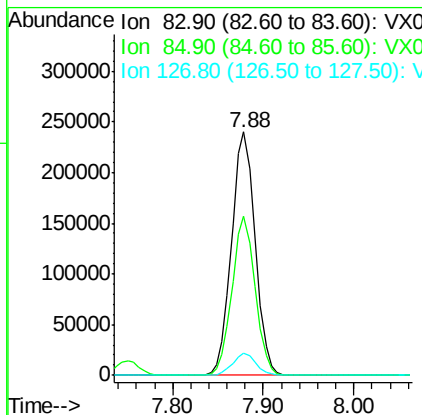
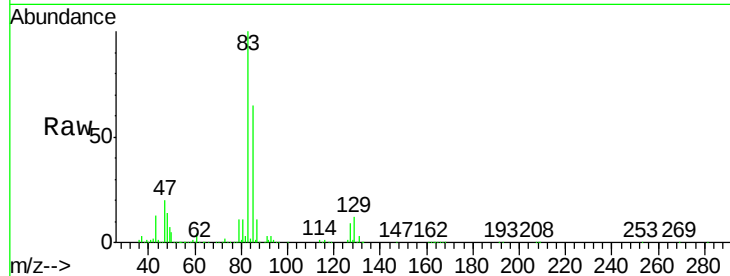
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	434126
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.6	75.8
127	8.9	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 111.480 ug/l

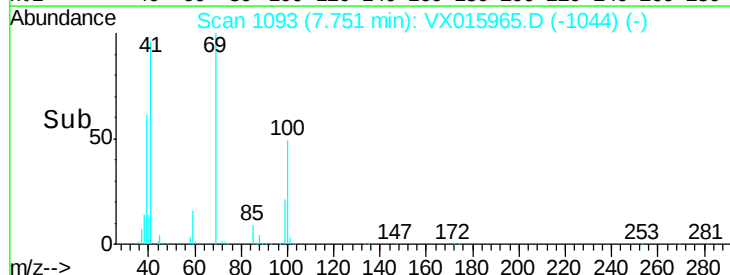
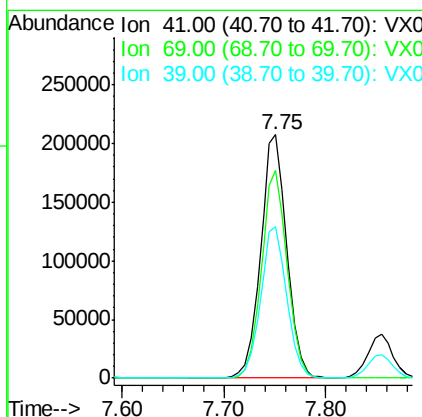
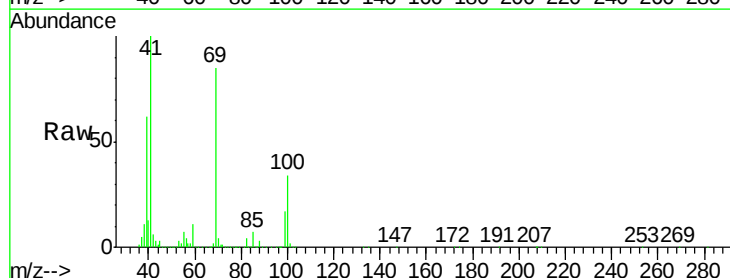
RT: 7.75 min Scan# 1093

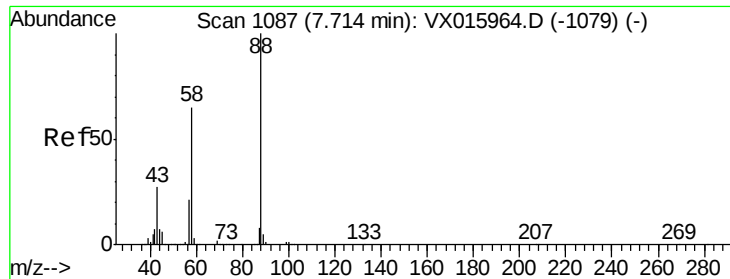
Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion:	41	Resp:	368799
Ion Ratio	Lower	Upper	
41	100		
69	83.9	66.0	99.0
39	61.9	49.0	73.4





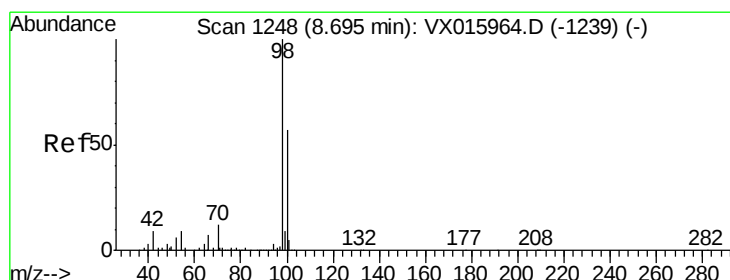
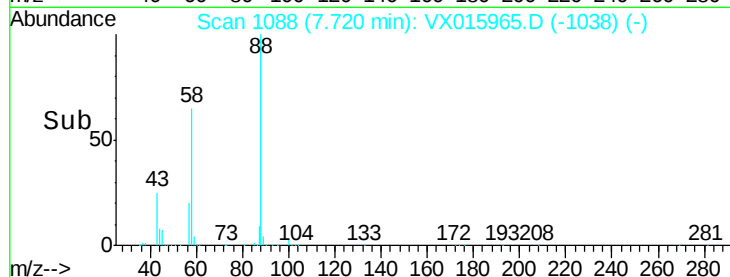
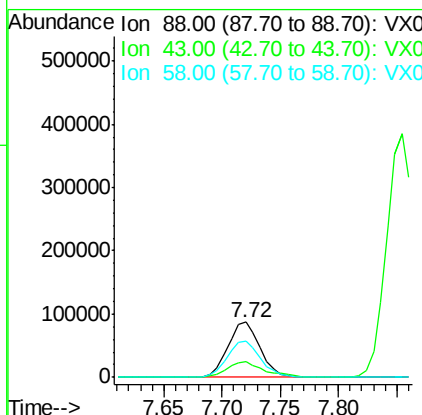
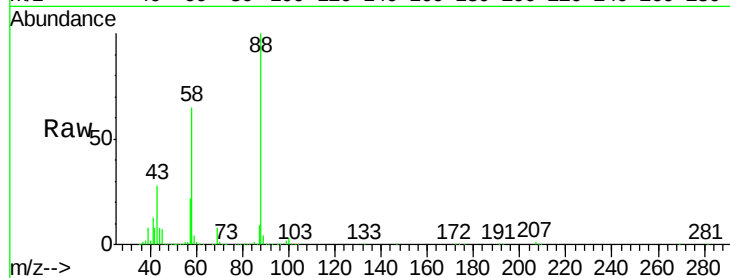
#49
1,4-Dioxane
Concen: 2150.751 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.6	39.8
58	68.7	54.8	82.2

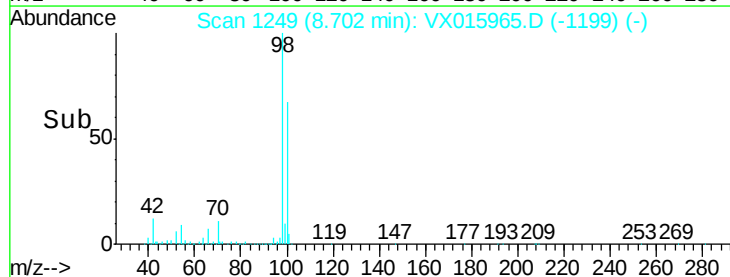
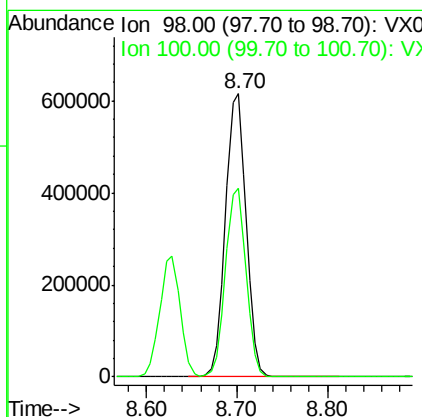
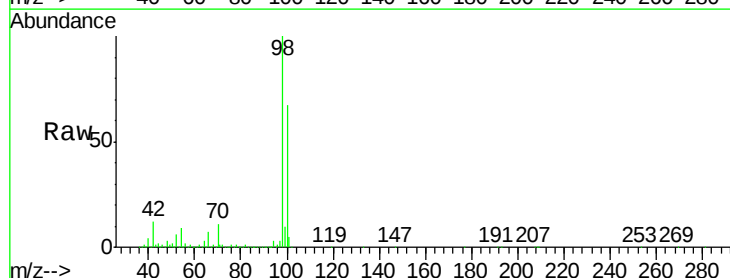
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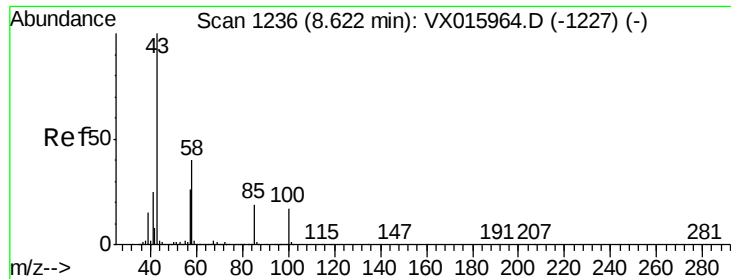
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#50
Toluene-d8
Concen: 105.337 ug/l
RT: 8.70 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7





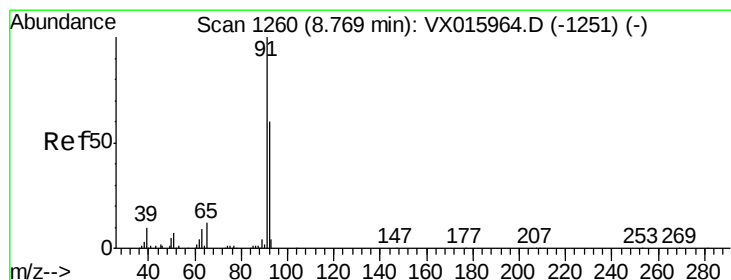
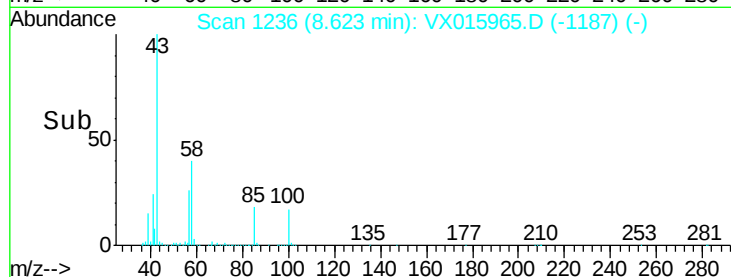
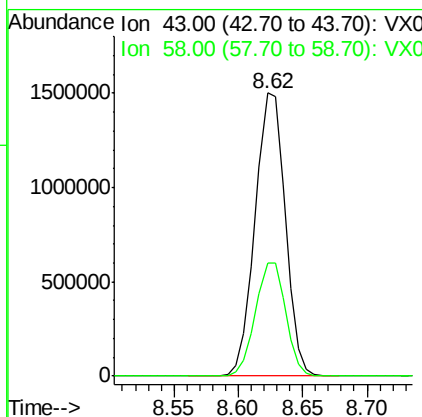
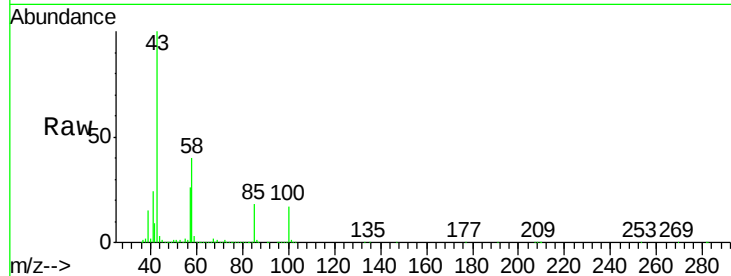
#51
4-Methyl-2-Pentanone
Concen: 559.021 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2429607
Ion Ratio Lower Upper
43 100
58 40.2 32.0 48.0

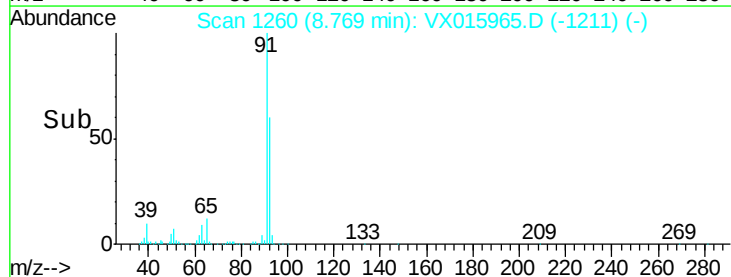
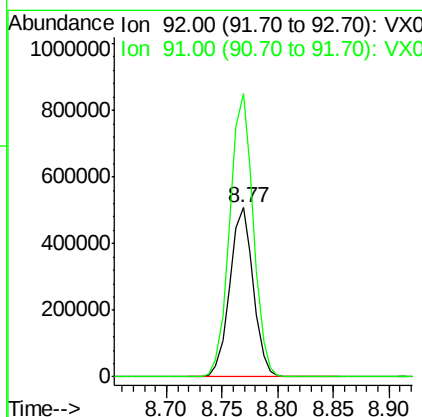
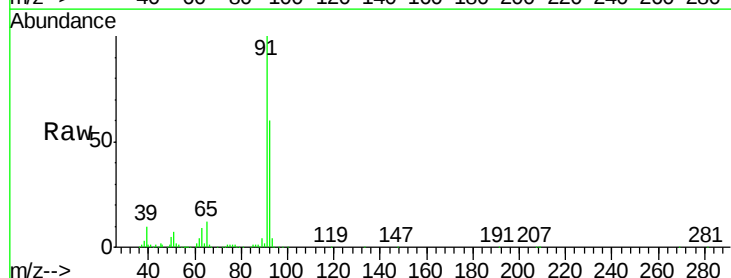
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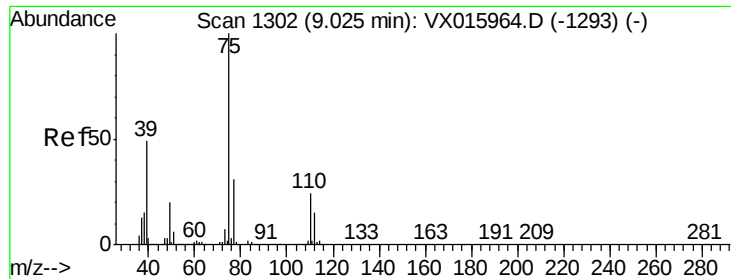
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#52
Toluene
Concen: 107.789 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion: 92 Resp: 736675
Ion Ratio Lower Upper
92 100
91 168.5 134.6 202.0





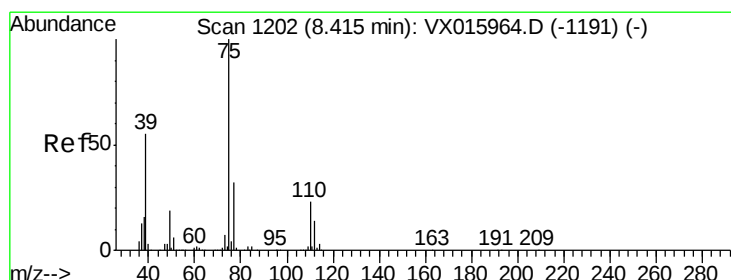
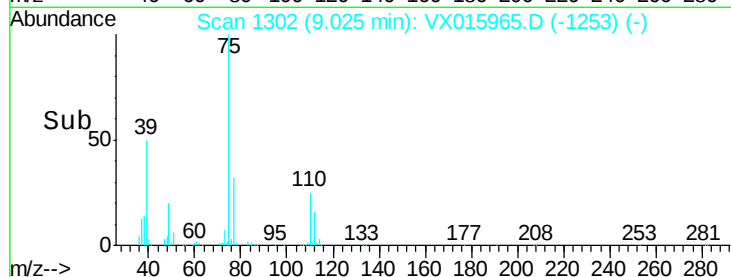
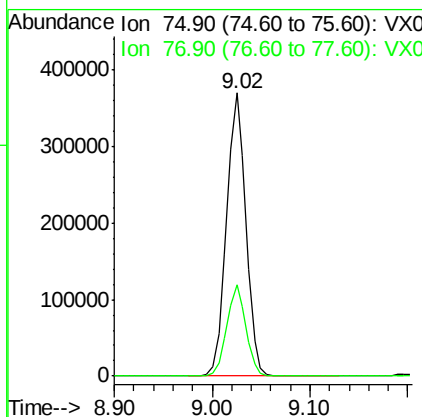
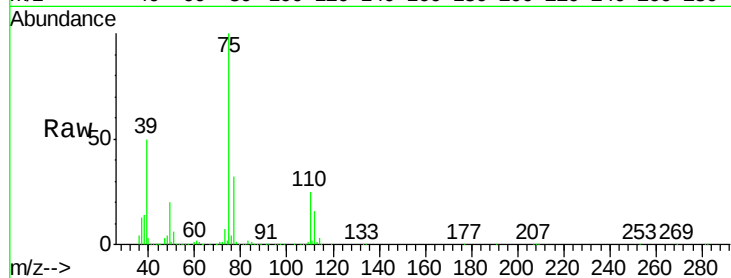
#53
t-1,3-Dichloropropene
Concen: 108.873 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3

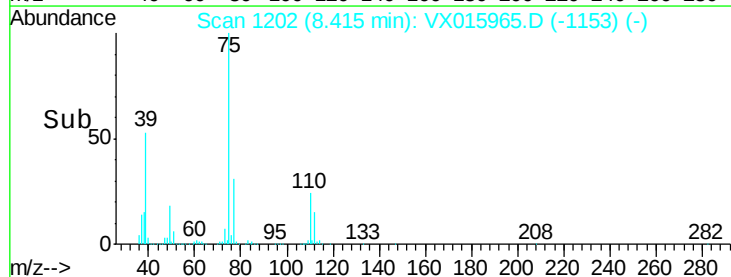
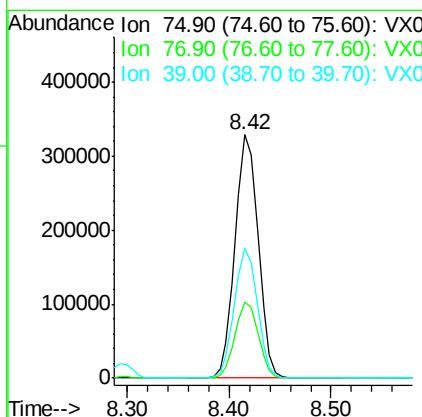
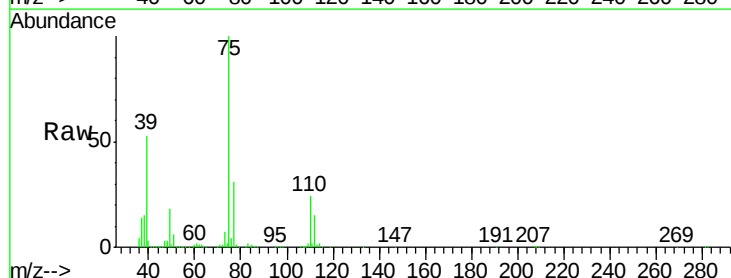
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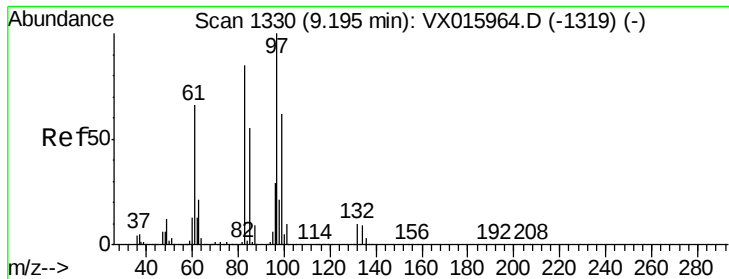
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#54
cis-1,3-Dichloropropene
Concen: 107.547 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	53.4	44.1	66.1





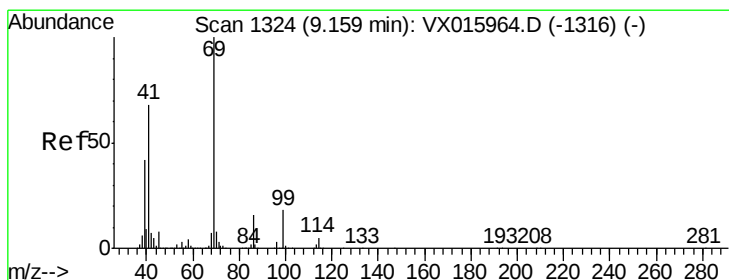
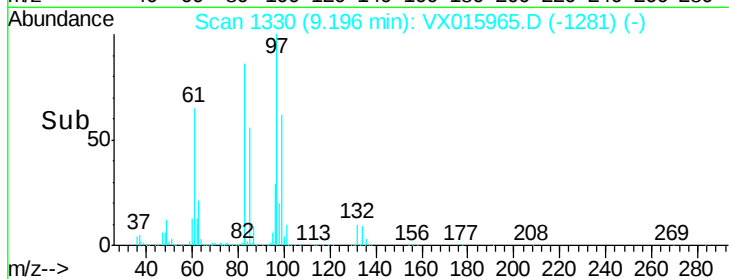
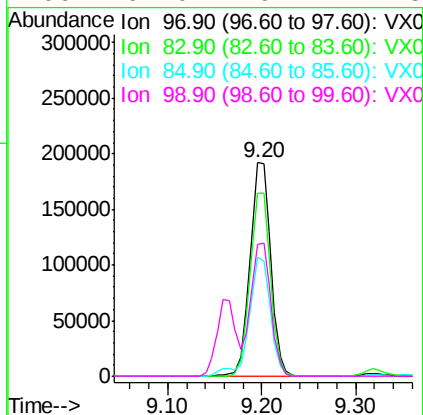
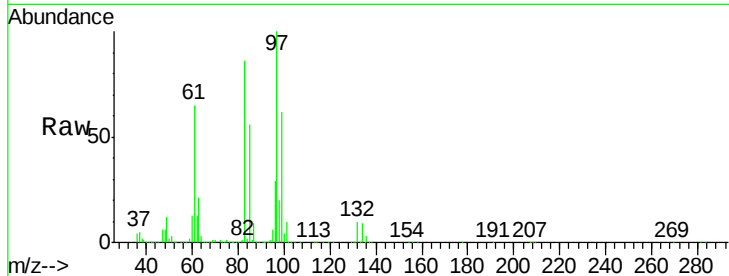
#55
 1,1,2-Trichloroethane
 Concen: 108.886 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	297395
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.2	102.2
85	55.7	43.7	65.5
99	62.0	49.7	74.5

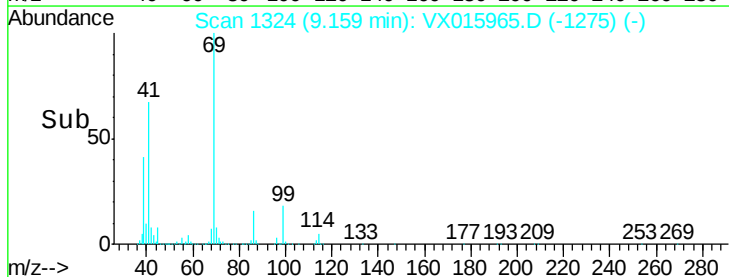
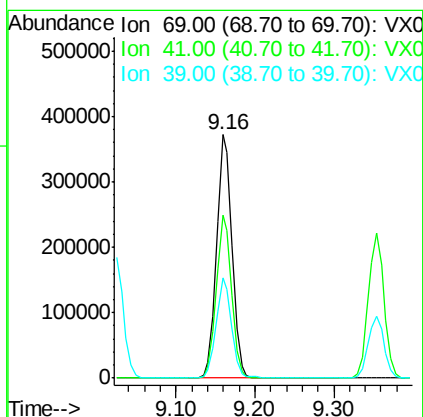
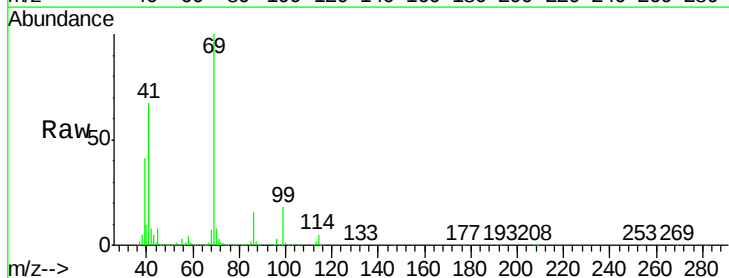
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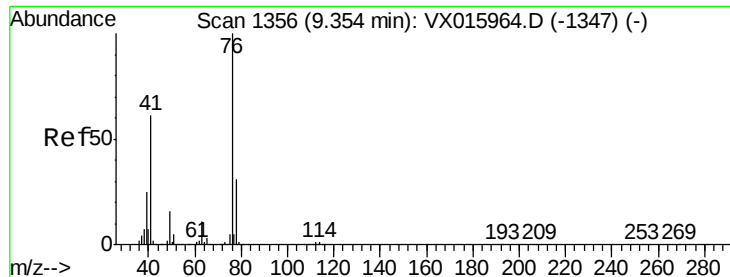
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#56
 Ethyl methacrylate
 Concen: 113.972 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Tgt Ion:	69	Resp:	506159
Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.5	80.3
39	41.0	33.4	50.0





#57

1,3-Dichloropropane

Concen: 108.410 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 508737

Ion Ratio Lower Upper

76 100

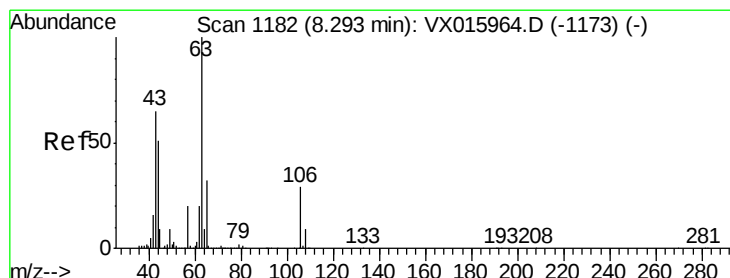
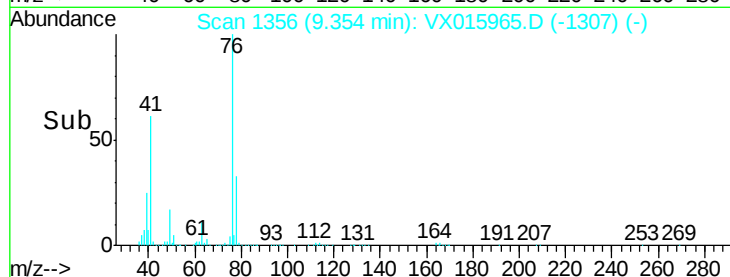
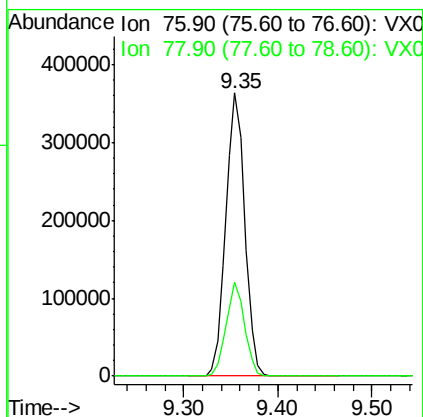
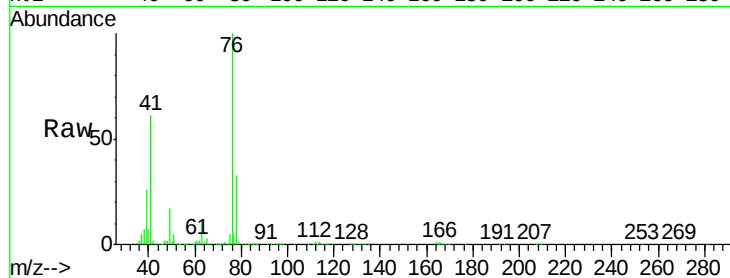
78 32.2 25.5 38.3

Manual Integrations

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4/30/2020 2:59:56 PM



#58

2-Chloroethyl Vinyl ether

Concen: 555.666 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015965.D

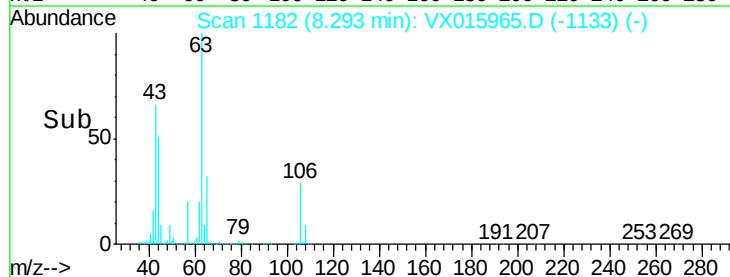
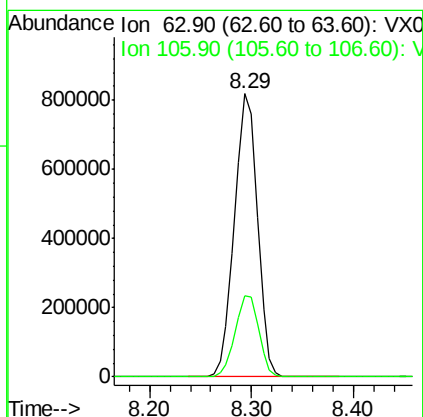
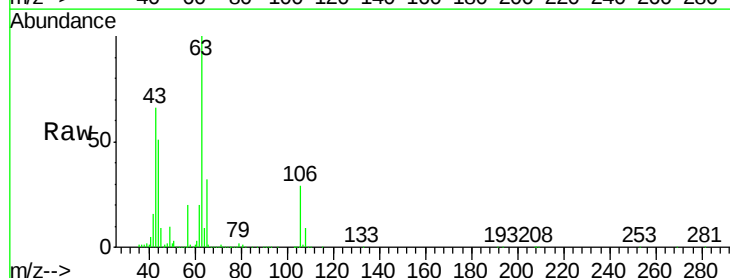
Acq: 28 Apr 2020 16:31

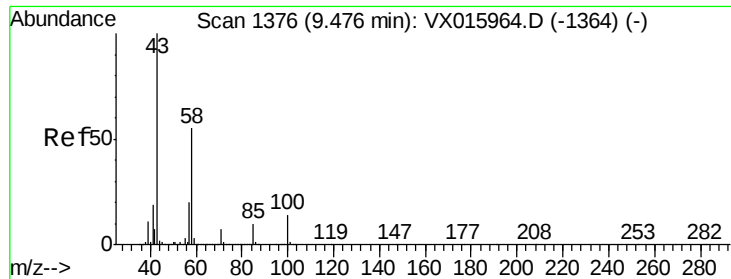
Tgt Ion: 63 Resp: 1275240

Ion Ratio Lower Upper

63 100

106 29.5 23.6 35.4





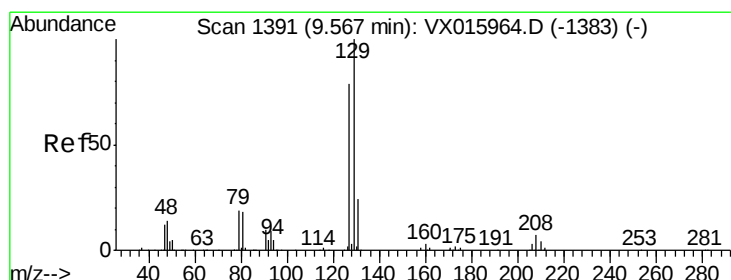
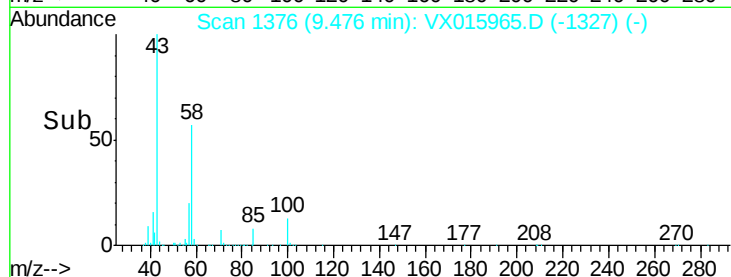
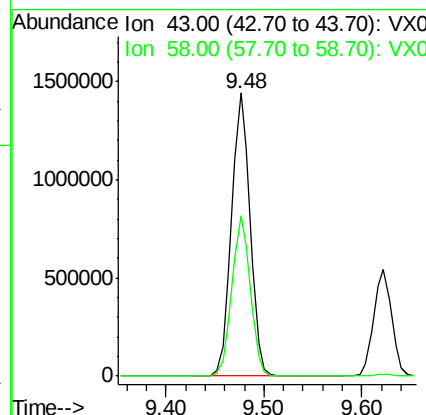
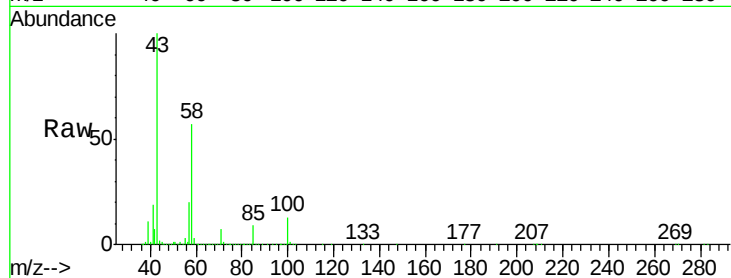
#59
2-Hexanone
Concen: 558.313 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1896351
Ion Ratio Lower Upper
43 100
58 56.2 27.7 83.1

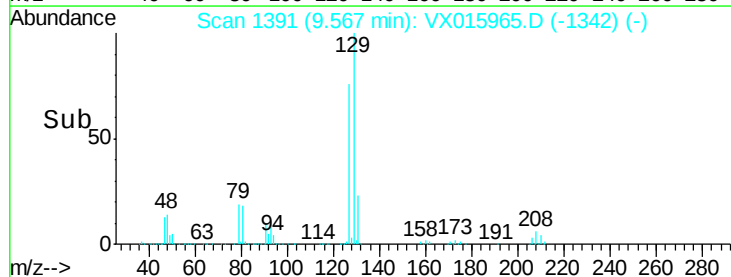
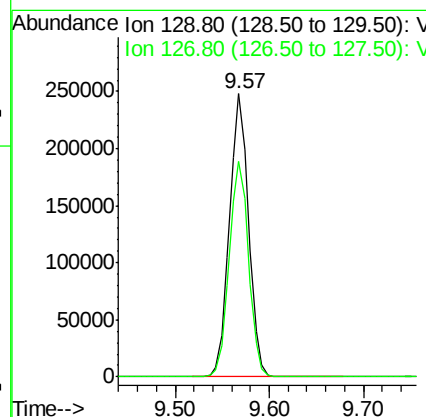
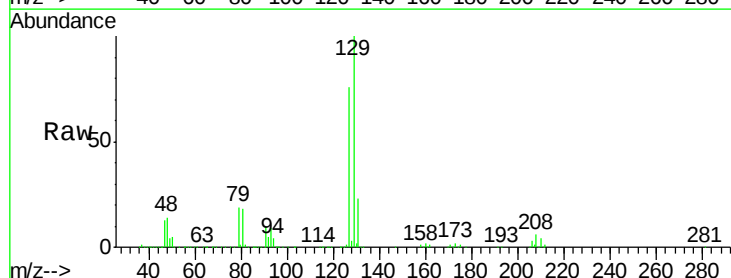
Manual Integrations
APPROVED

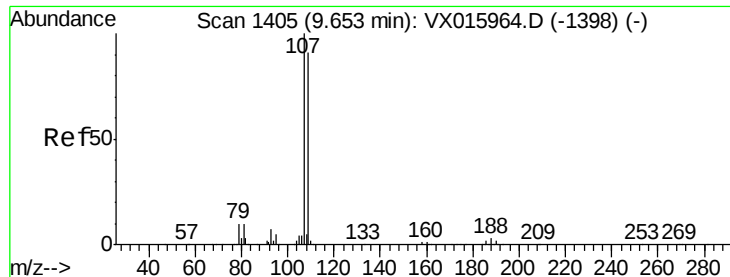
MMDadoda
4/30/2020 2:59:56 PM



#60
Dibromochloromethane
Concen: 114.085 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion: 129 Resp: 348754
Ion Ratio Lower Upper
129 100
127 77.2 39.4 118.1





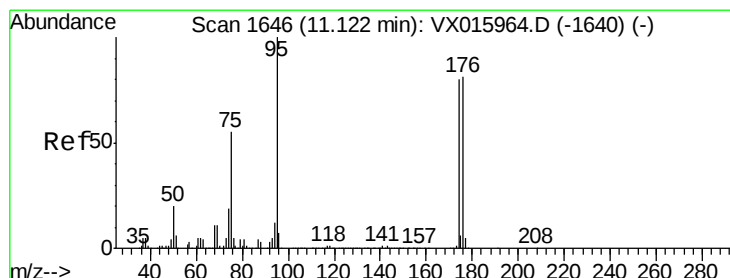
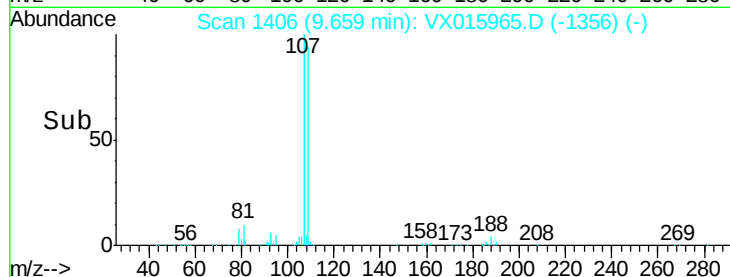
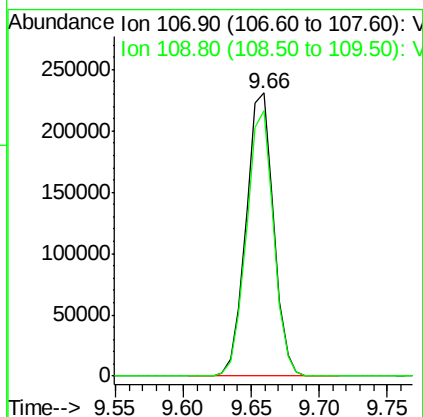
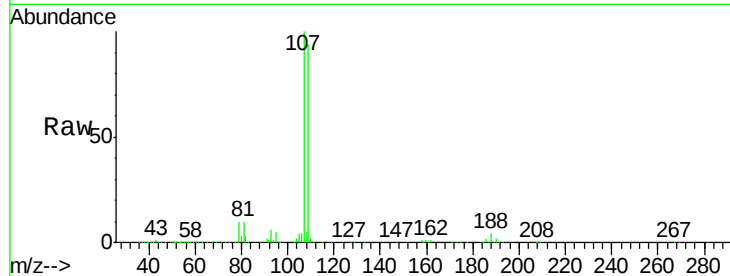
#61
 1,2-Dibromoethane
 Concen: 110.598 ug/l
 RT: 9.66 min Scan# 1406
 Delta R.T. 0.01 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.9	112.3

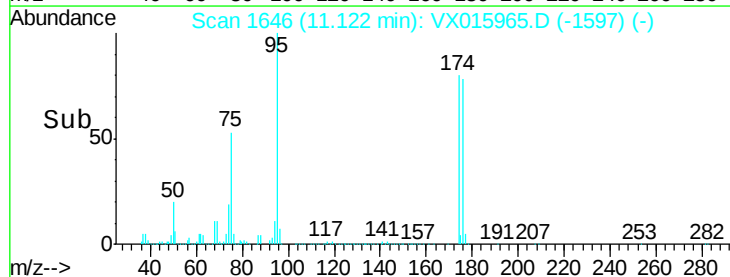
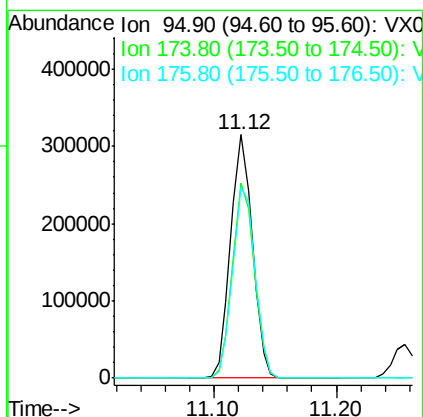
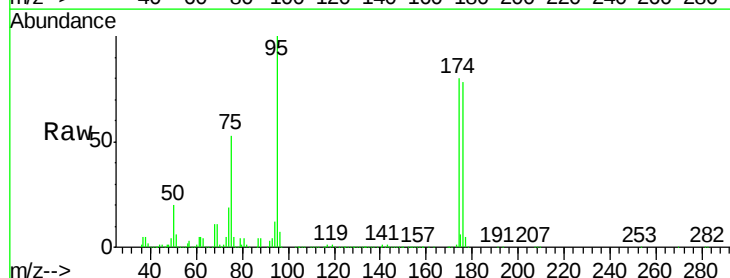
Manual Integrations
 APPROVED

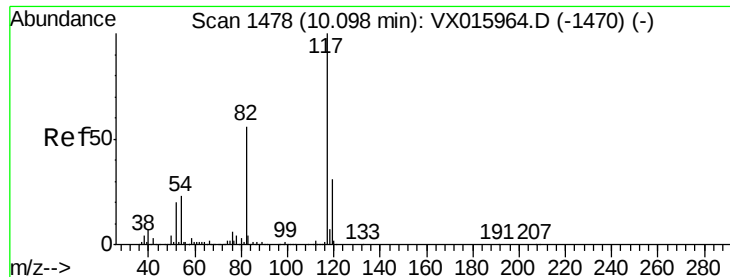
MMDadoda
 4/30/2020 2:59:56 PM



#62
 4-Bromofluorobenzene
 Concen: 107.064 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	165.0
176	80.6	0.0	163.2





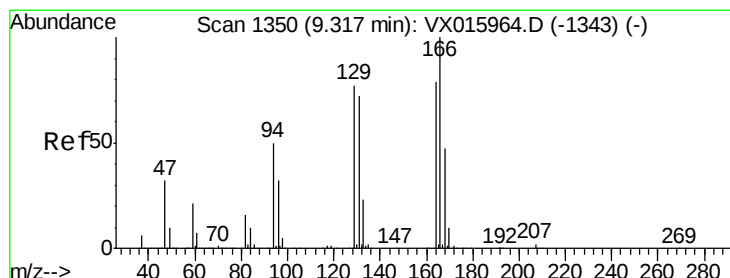
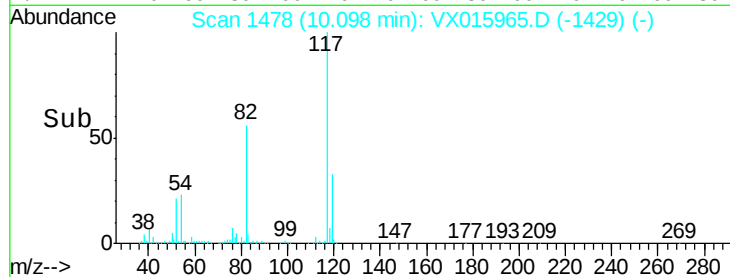
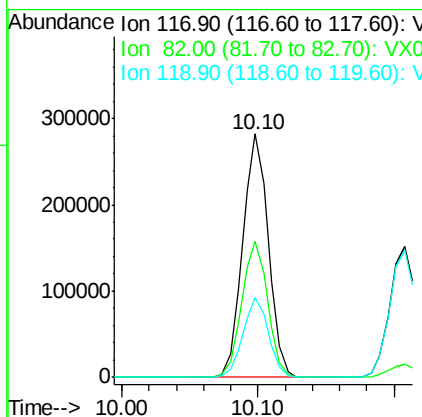
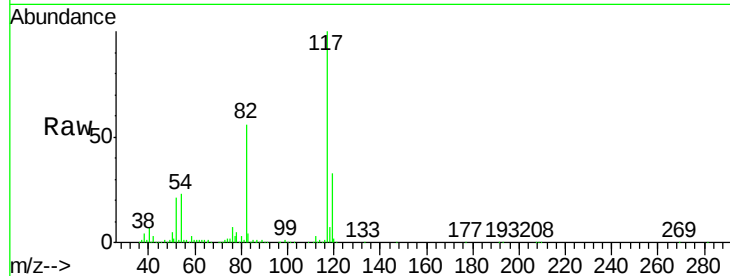
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.5	66.7
119	32.8	25.0	37.6

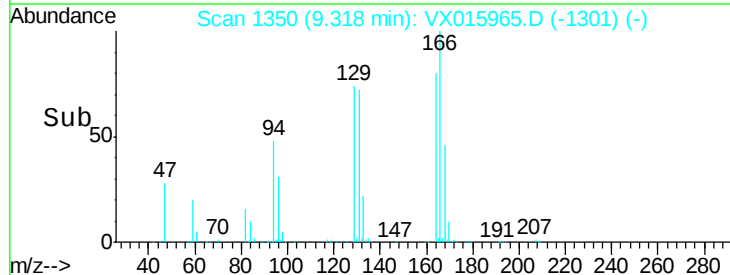
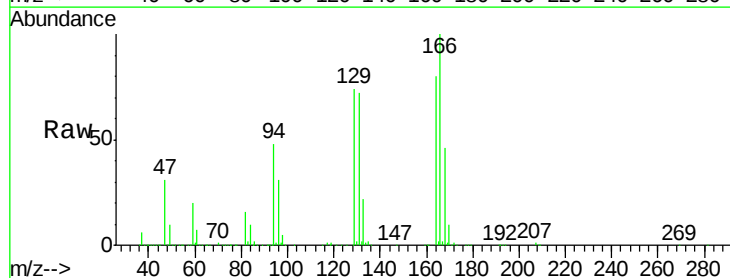
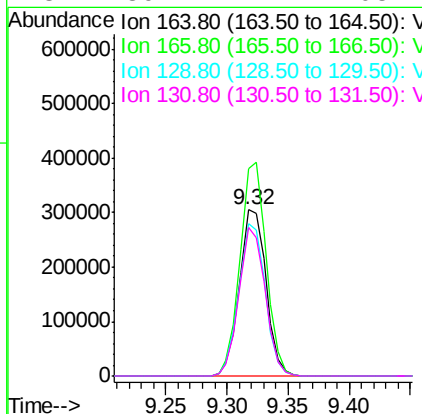
Manual Integrations
APPROVED

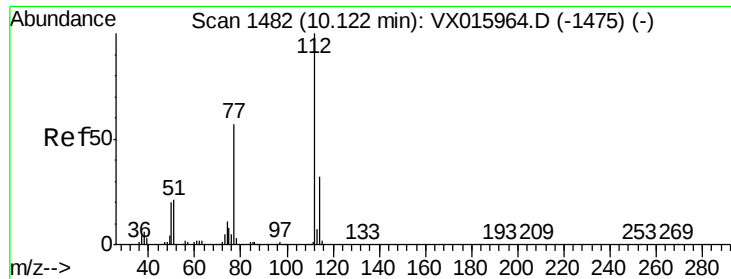
MMDadoda
4/30/2020 2:59:56 PM



#64
Tetrachloroethene
Concen: 104.642 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	101.0	151.4
129	91.5	77.4	116.0
131	89.1	72.2	108.2





#65

Chlorobenzene

Concen: 106.782 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 805432

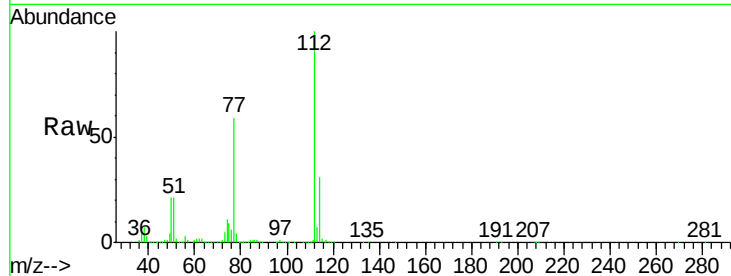
Ion Ratio Lower Upper

112 100

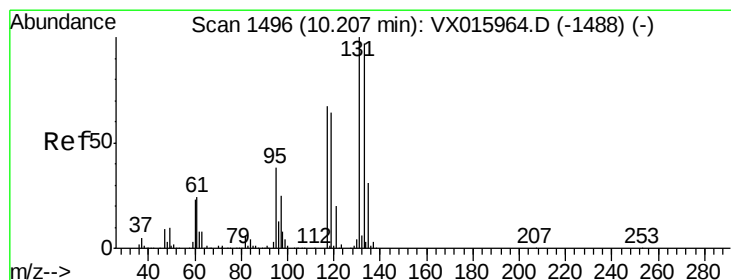
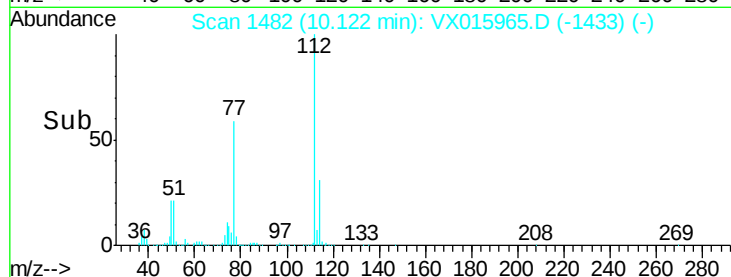
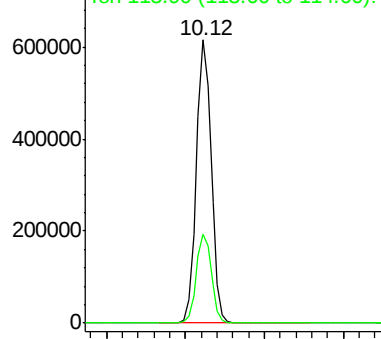
114 31.4 25.4 38.0

Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 109.493 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

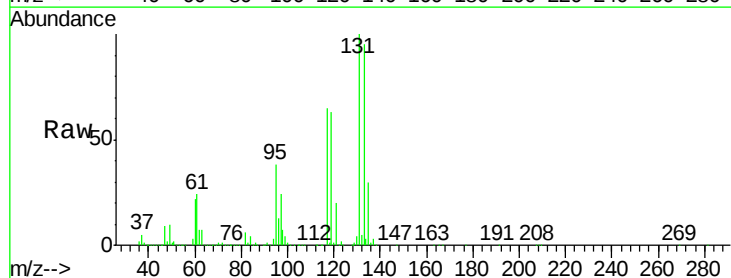
Tgt Ion:131 Resp: 312145

Ion Ratio Lower Upper

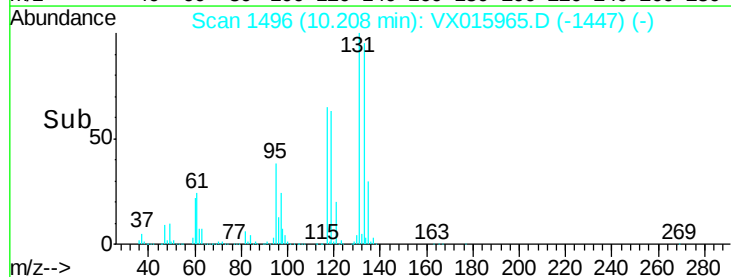
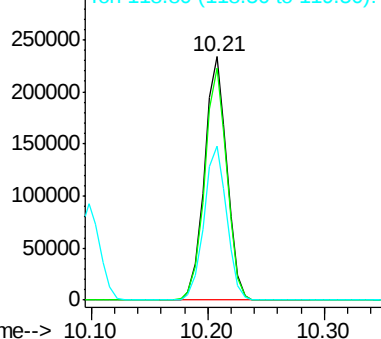
131 100

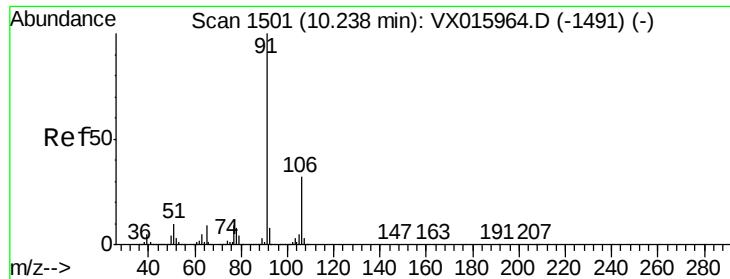
133 94.5 48.3 144.8

119 64.5 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





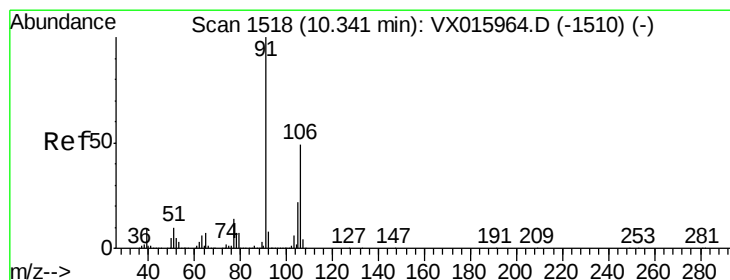
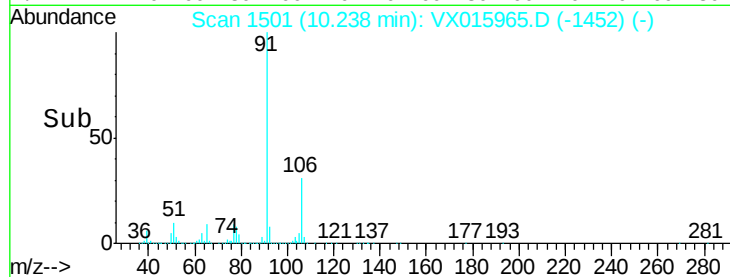
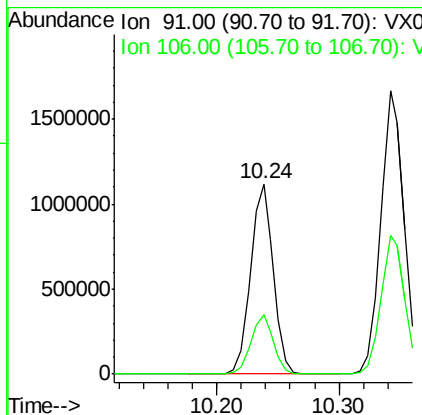
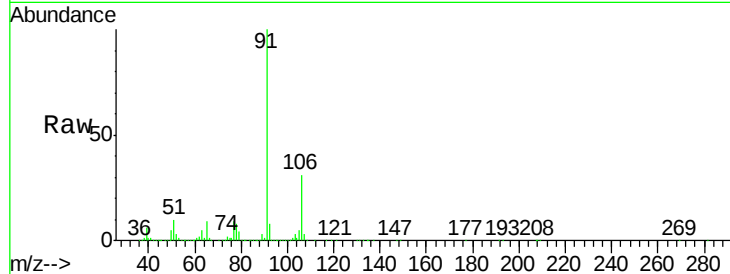
#67
Ethyl Benzene
Concen: 106.928 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1436329
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

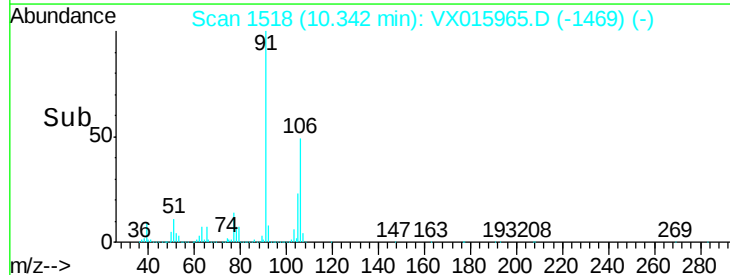
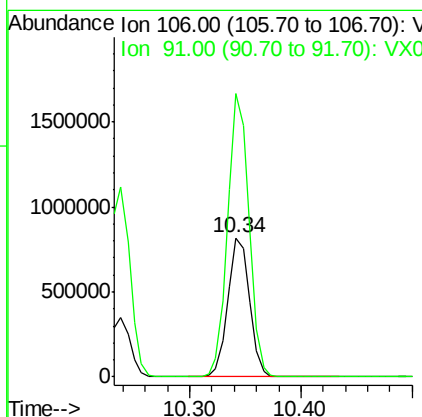
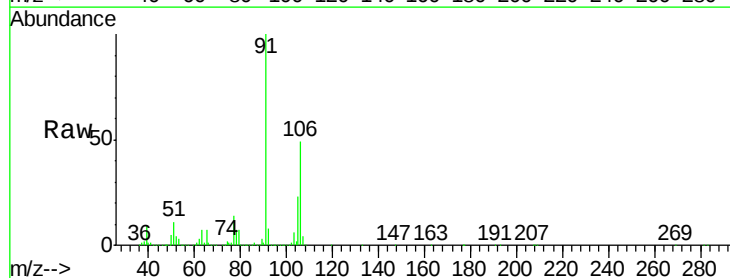
Manual Integrations
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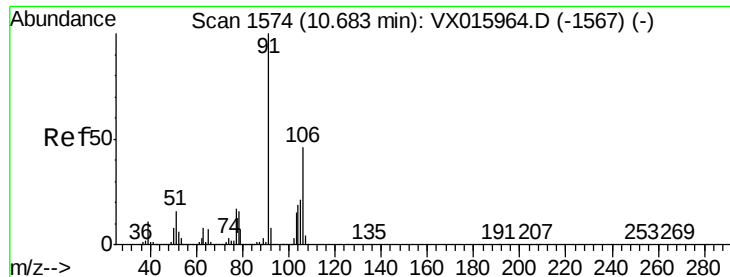
MMDadoda
4/30/2020 2:59:56 PM



#68
m/p-Xylenes
Concen: 215.279 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion: 106 Resp: 1097292
Ion Ratio Lower Upper
106 100
91 201.2 161.6 242.4





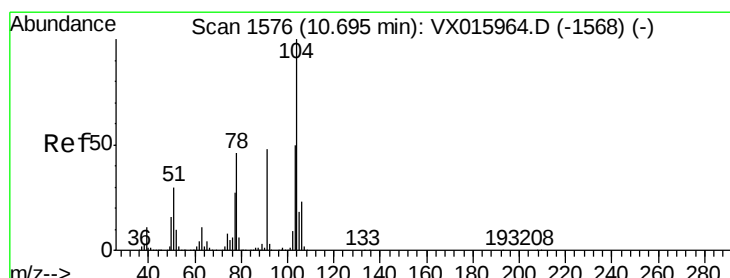
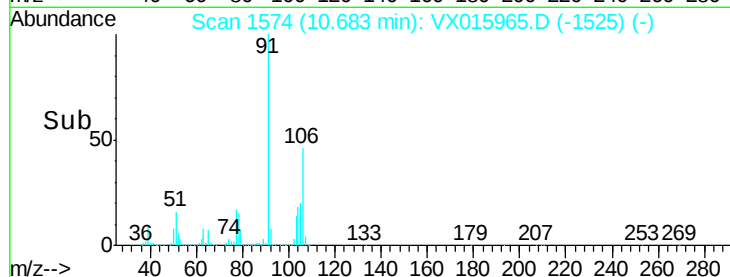
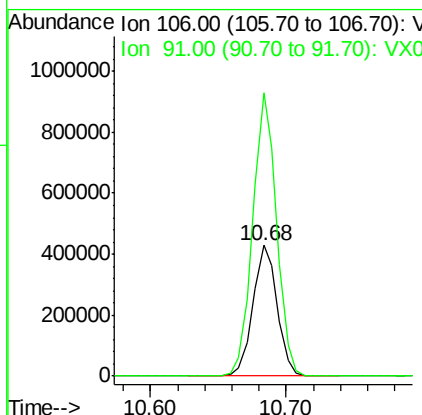
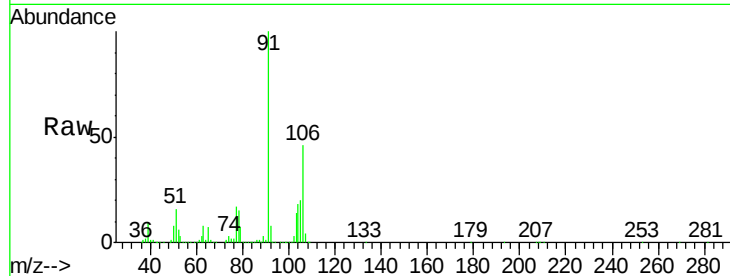
#69
o-Xylene
Concen: 110.285 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.8	106.1	318.3	

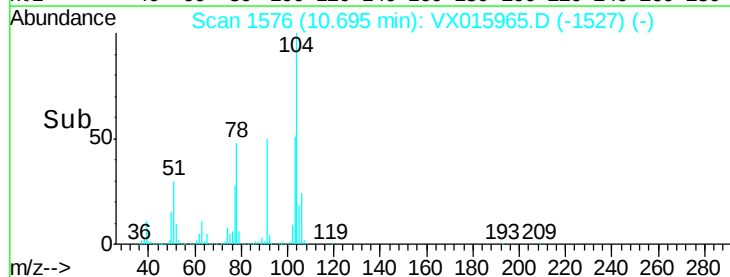
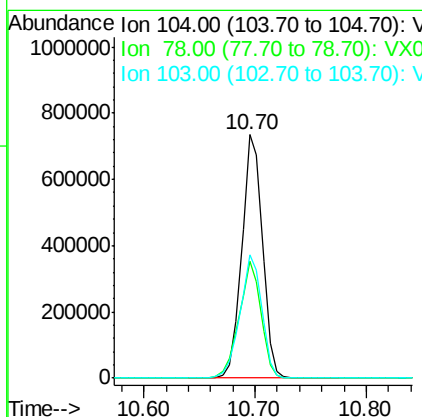
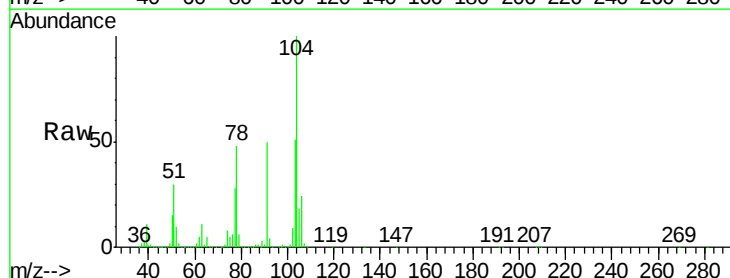
Manual Integrations
APPROVED

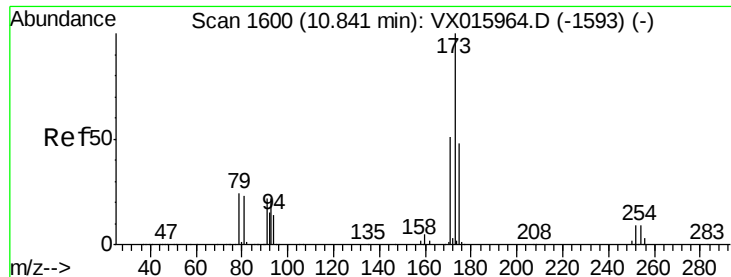
MMDadoda
4/30/2020 2:59:56 PM



#70
Styrene
Concen: 112.944 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.3	41.0	61.4	
103	53.8	43.4	65.2	





#71

Bromoform

Concen: 117.862 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 272202

Ion Ratio Lower Upper

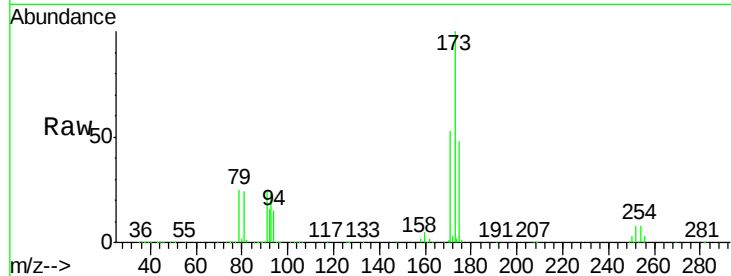
173 100

175 50.0 24.1 72.4

254 0.2 0.1 0.1#

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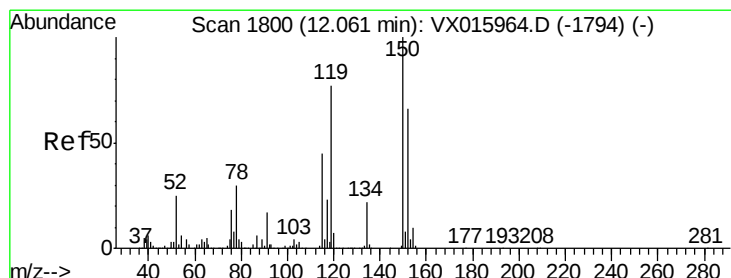
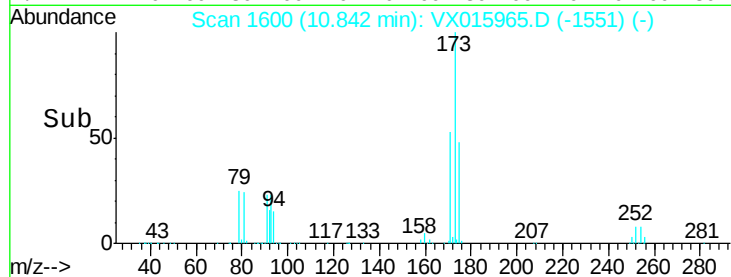
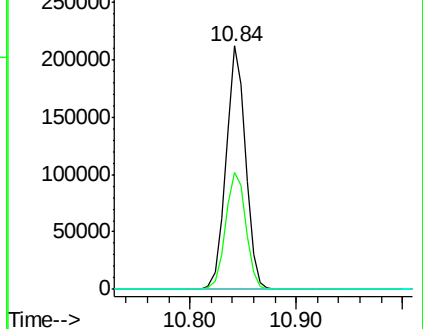
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

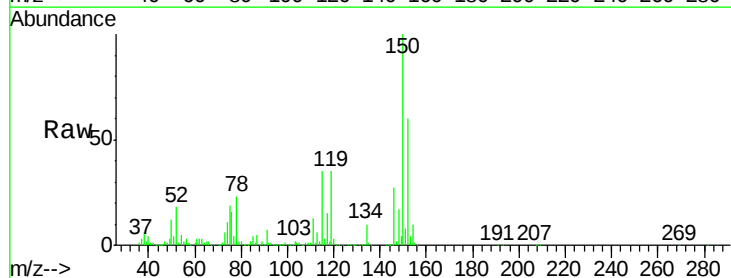
Tgt Ion:152 Resp: 196123

Ion Ratio Lower Upper

152 100

115 110.9 40.9 122.7

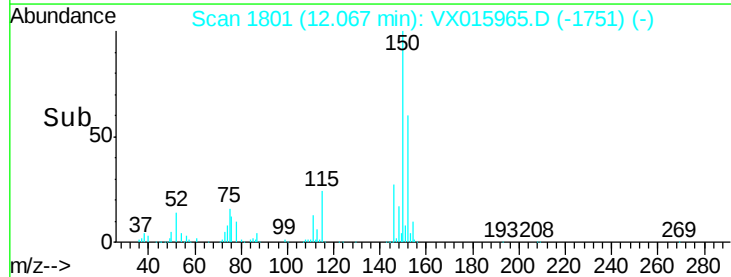
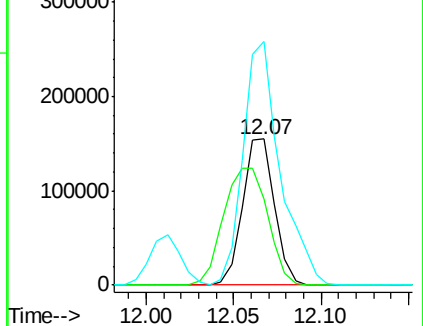
150 194.4 0.0 342.4

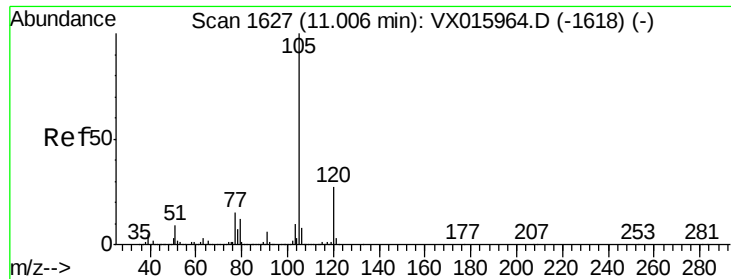


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 107.417 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1433138

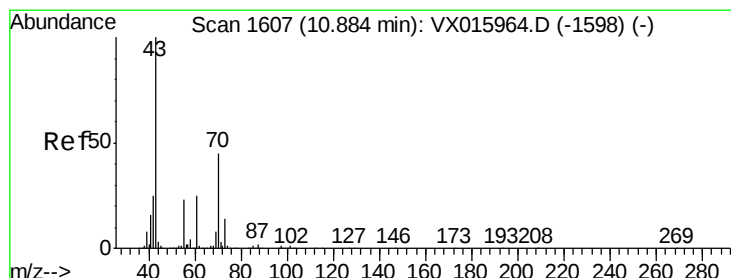
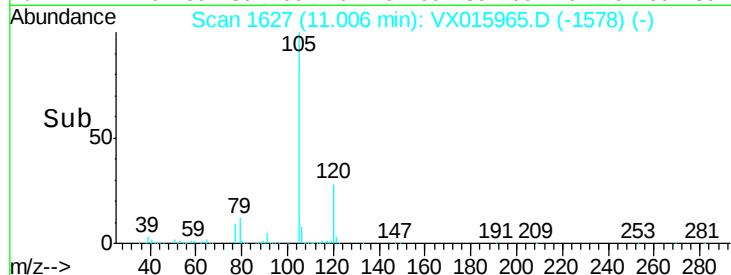
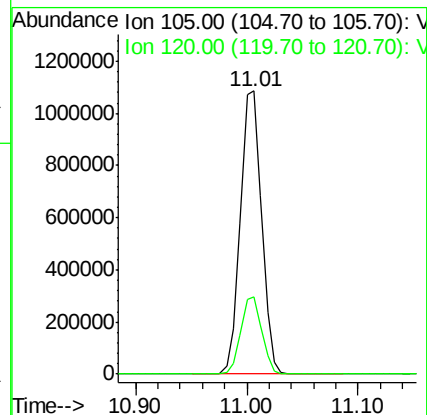
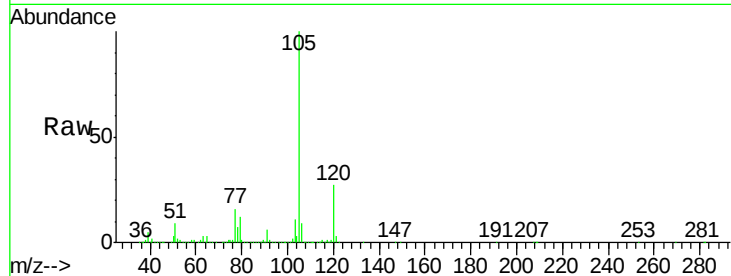
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 109.557 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion: 43 Resp: 704963

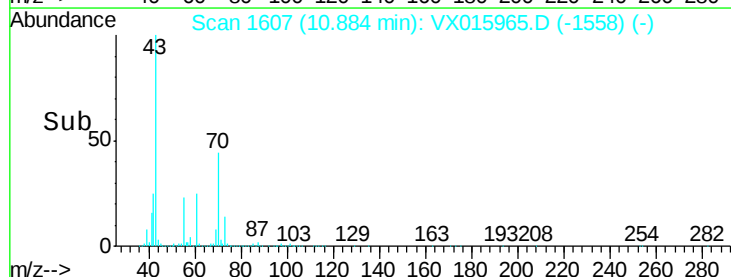
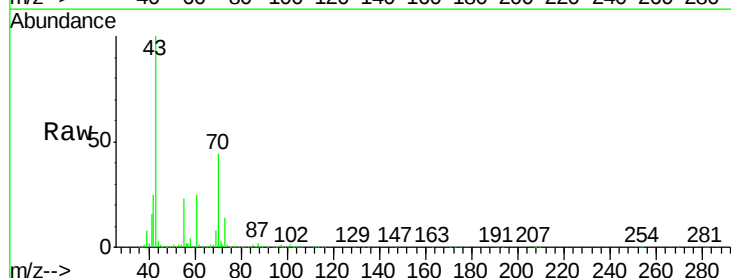
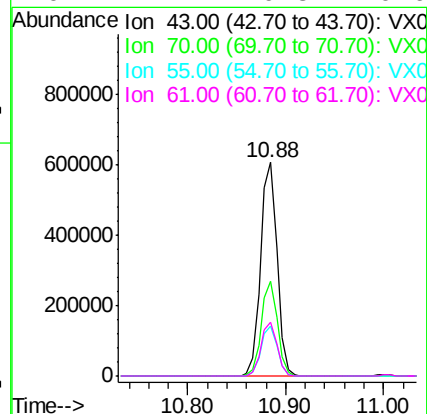
Ion Ratio Lower Upper

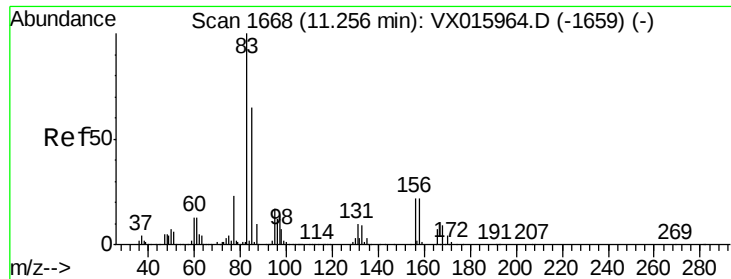
43 100

70 43.3 34.5 51.7

55 23.3 18.6 28.0

61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 128.744 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

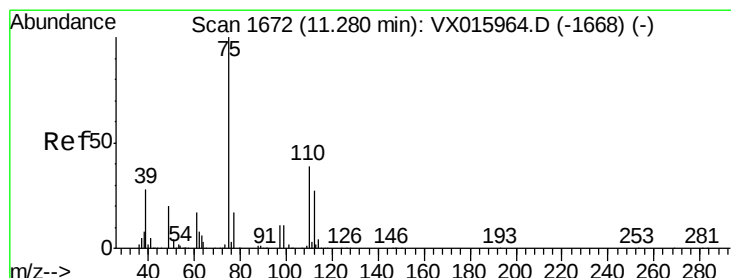
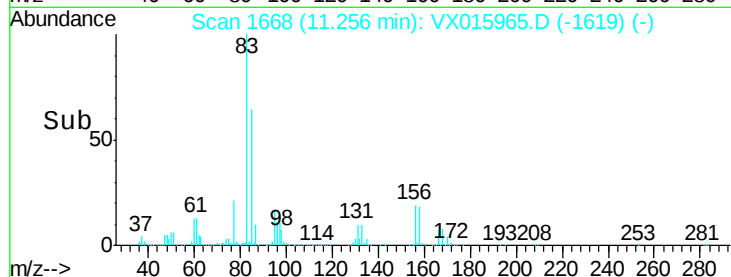
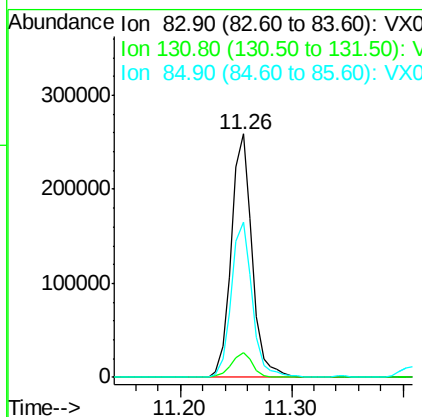
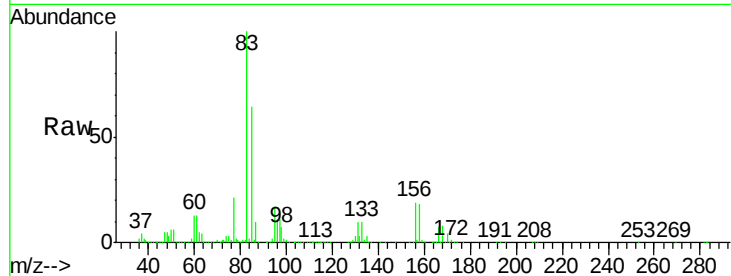
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	332960
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	64.7	32.2	96.6

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 84.543 ug/l m

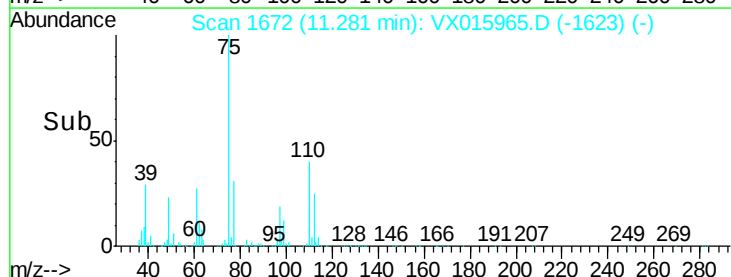
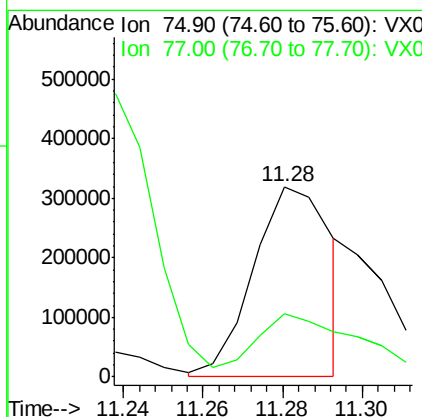
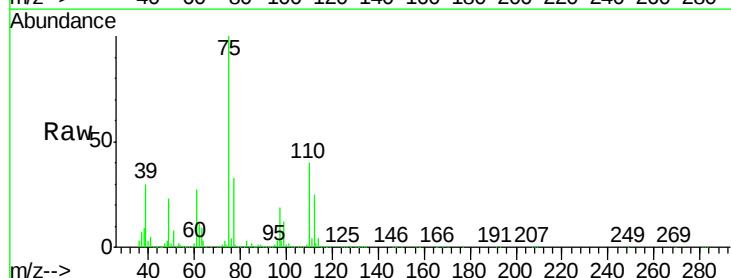
RT: 11.28 min Scan# 1672

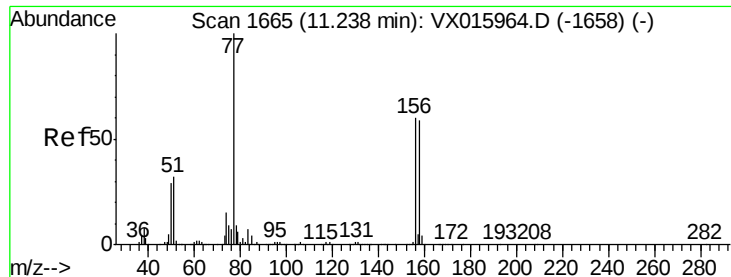
Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion:	75	Resp:	434230
Ion Ratio	Lower	Upper	
75	100		
77	44.5	21.6	65.0





#77

Bromobenzene

Concen: 108.400 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 372276

Ion Ratio Lower Upper

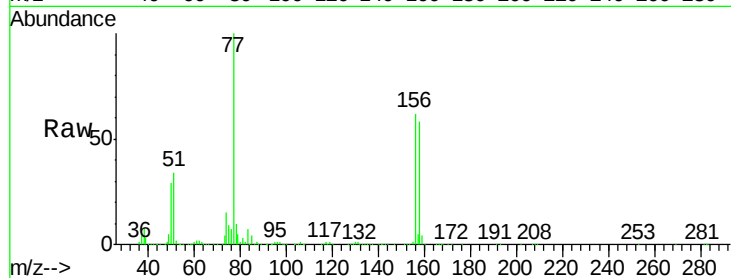
156 100

77 156.0 78.3 234.8

158 96.5 48.5 145.5

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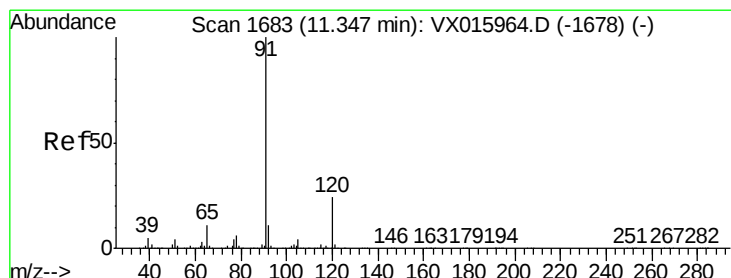
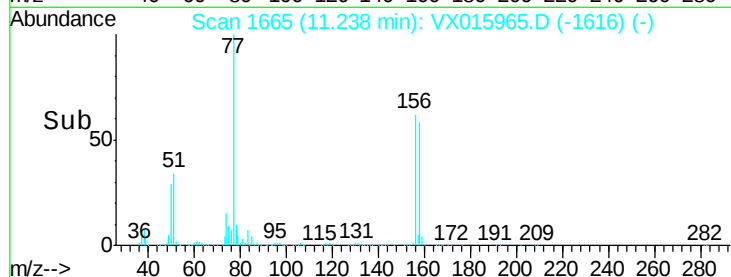
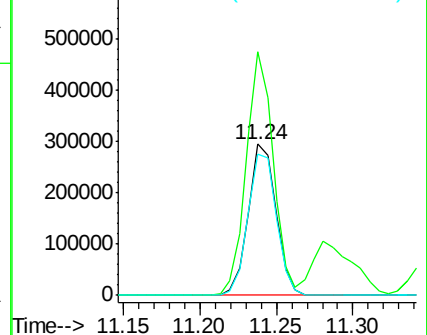
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 108.068 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX015965.D

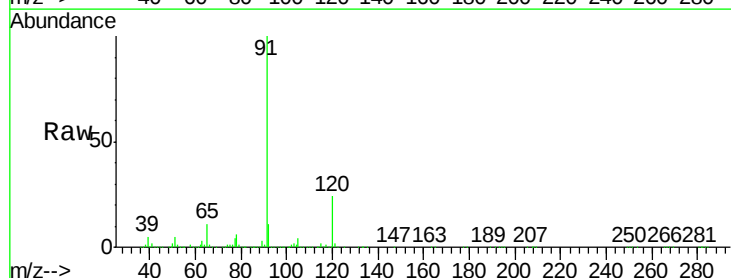
Acq: 28 Apr 2020 16:31

Tgt Ion: 91 Resp: 1658626

Ion Ratio Lower Upper

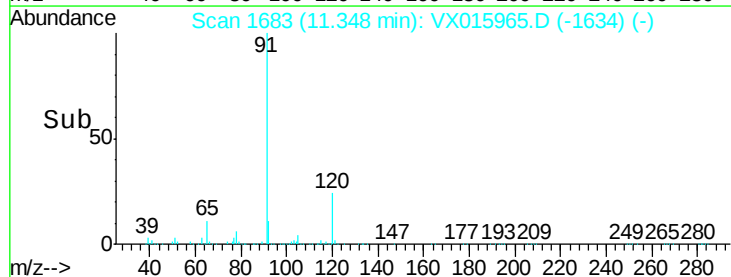
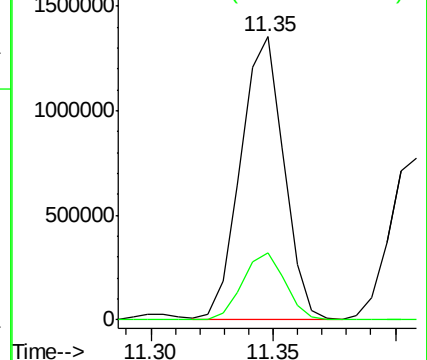
91 100

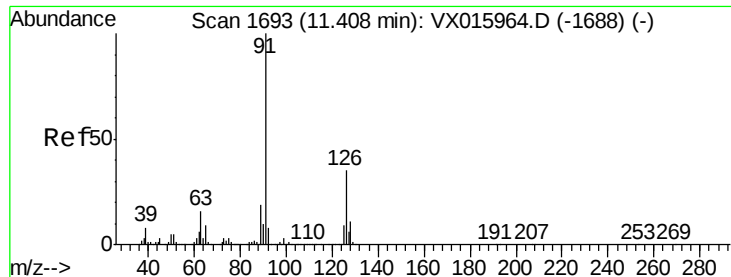
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 106.617 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 974954

Ion Ratio Lower Upper

91 100

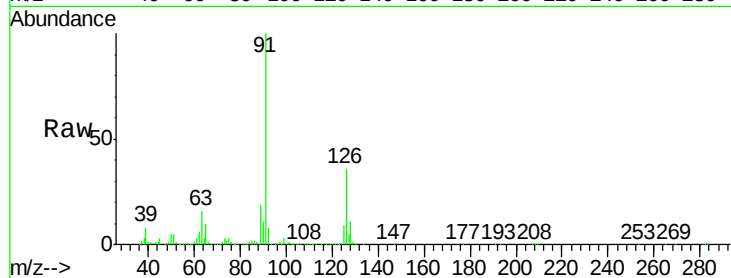
126 34.3 17.0 51.0

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Abundance Ion 91.00 (90.70 to 91.70): VX015964.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX015964.D (-1688) (-)

1500000

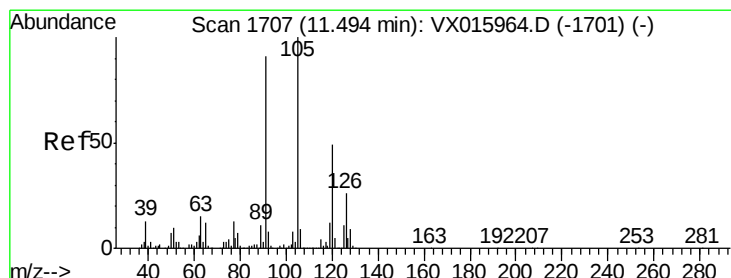
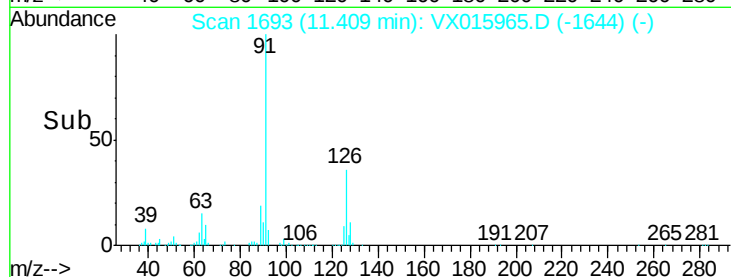
1000000

500000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 110.416 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015965.D

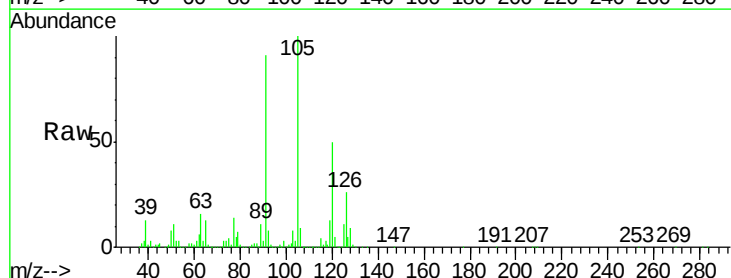
Acq: 28 Apr 2020 16:31

Tgt Ion:105 Resp: 1240943

Ion Ratio Lower Upper

105 100

120 49.6 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VX015964.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015964.D (-1701) (-)

1200000

1000000

800000

600000

400000

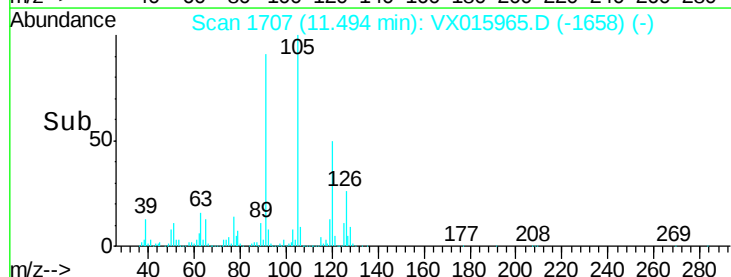
200000

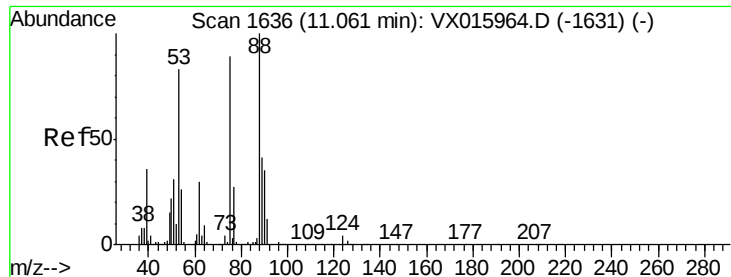
0

11.49

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 112.154 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

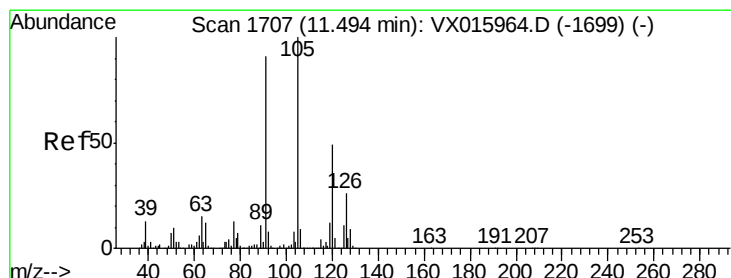
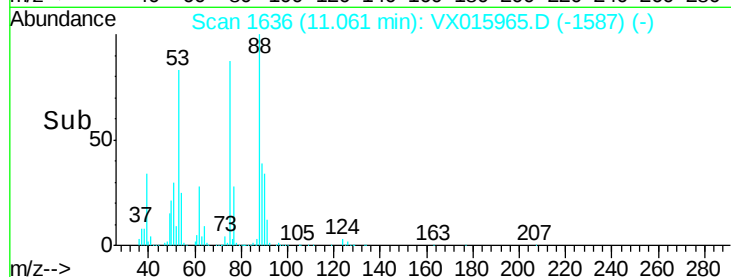
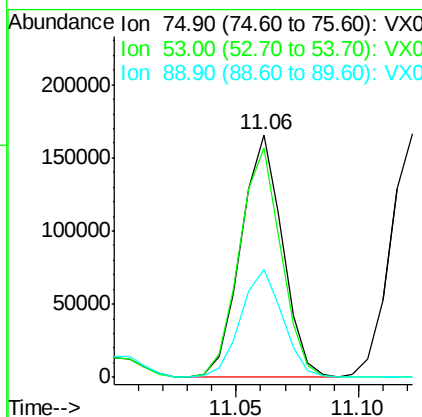
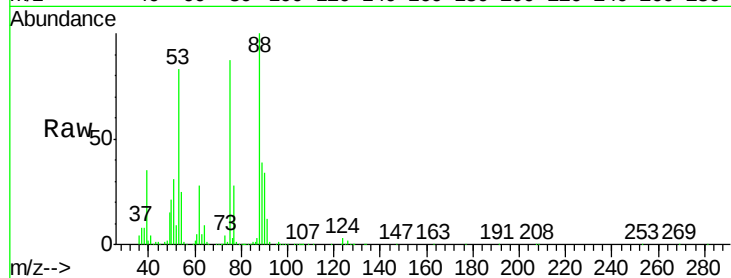
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	195311
Ion Ratio	Lower	Upper	
75	100		
53	94.9	78.3	117.5
89	45.2	37.2	55.8

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#82

4-Chlorotoluene

Concen: 108.436 ug/l

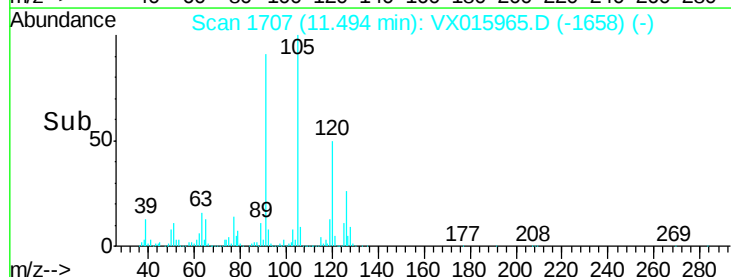
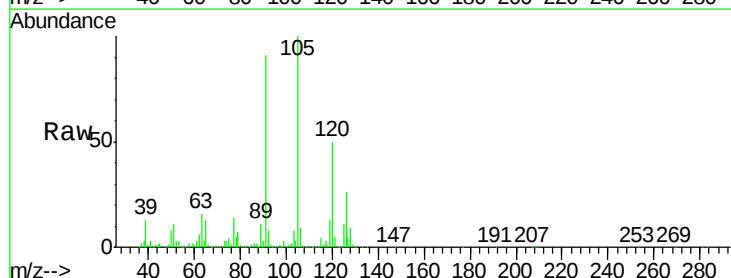
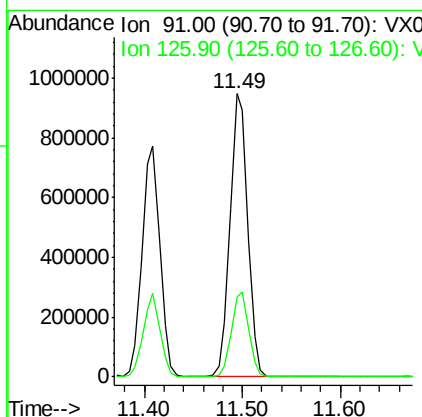
RT: 11.49 min Scan# 1707

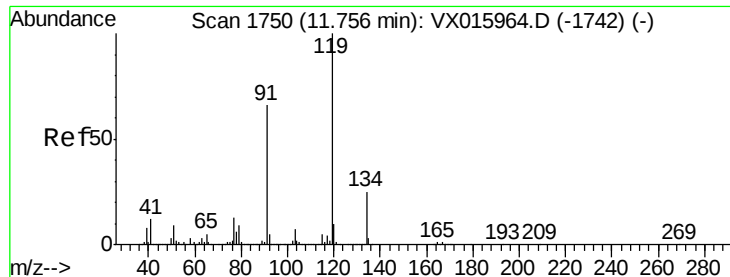
Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion:	91	Resp:	1185970
Ion Ratio	Lower	Upper	
91	100		
126	29.6	14.8	44.3





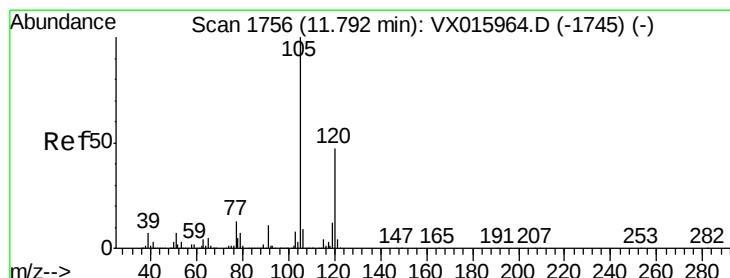
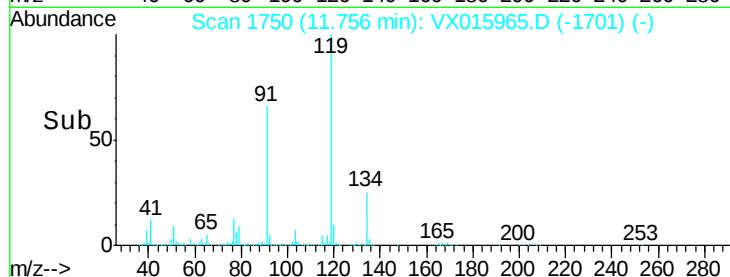
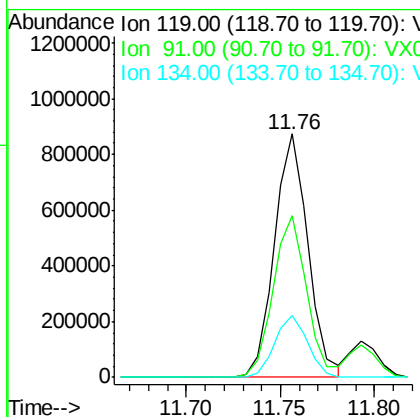
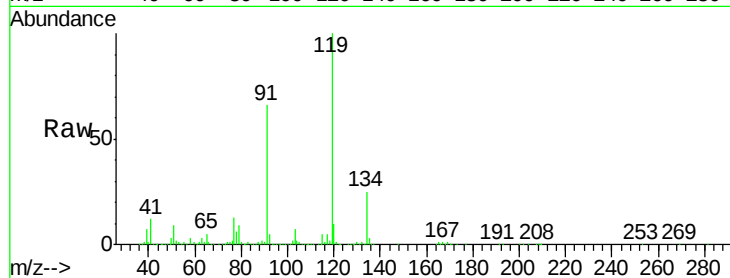
#83
tert-Butylbenzene
Concen: 110.902 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	33.5	100.4
134	24.8	12.4	37.2

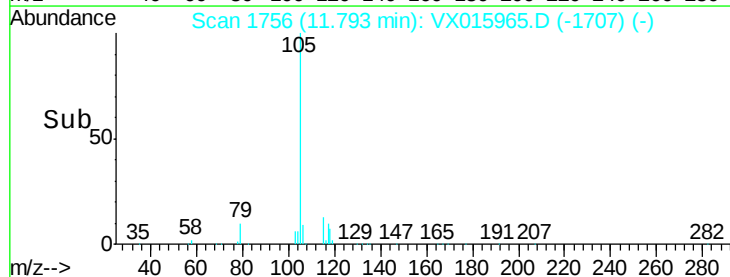
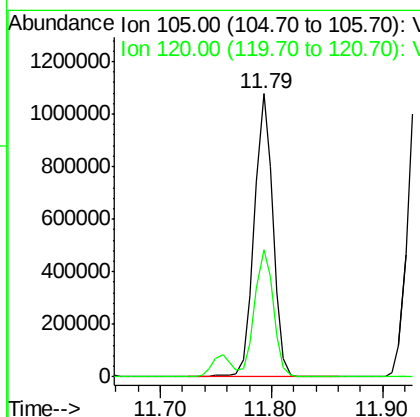
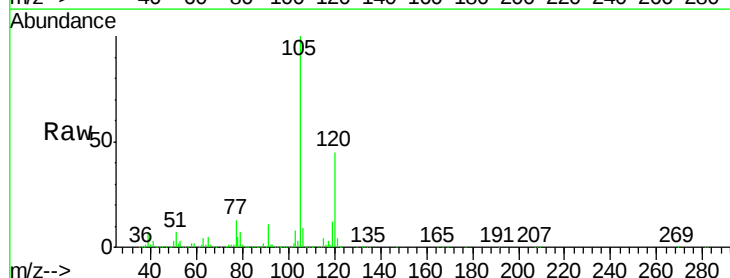
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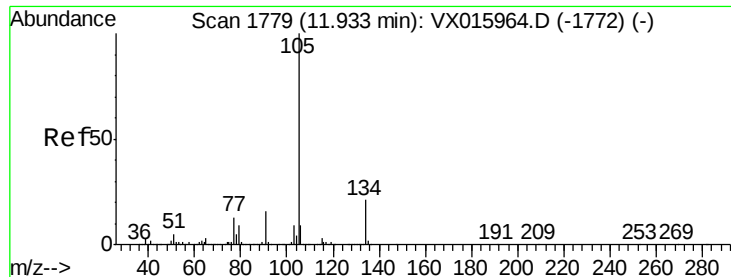
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#84
1,2,4-Trimethylbenzene
Concen: 110.965 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.8





#85

sec-Butylbenzene

Concen: 110.774 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1446260

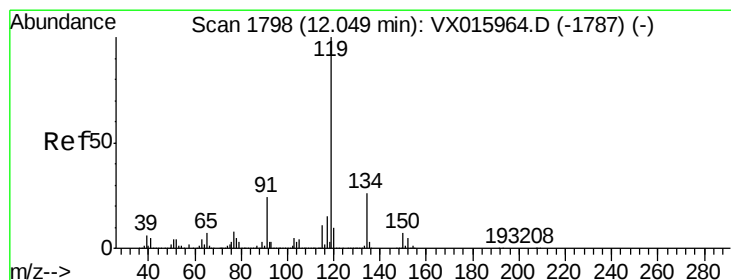
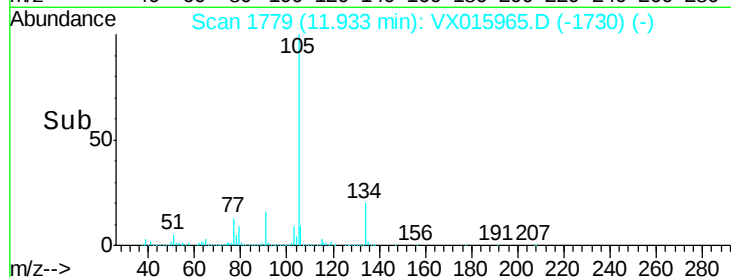
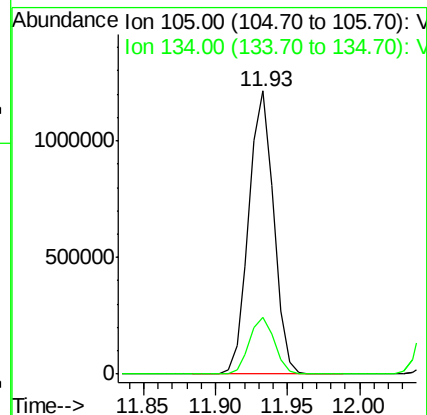
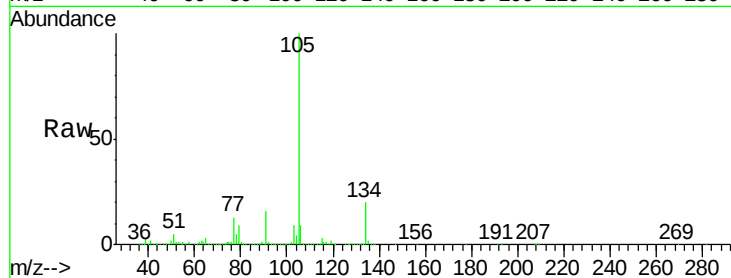
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 109.530 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

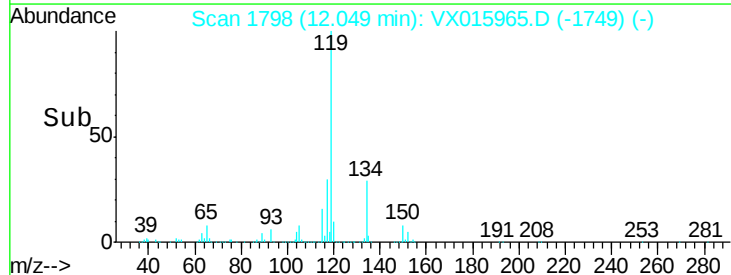
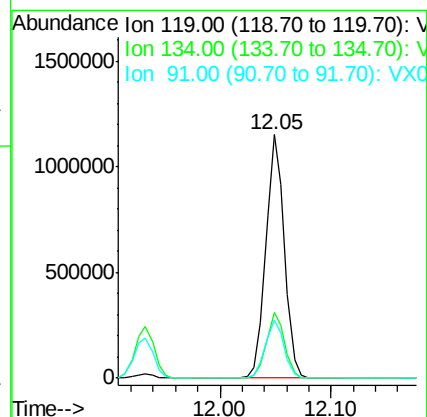
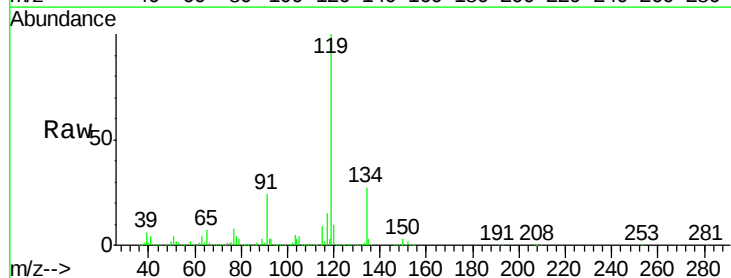
Tgt Ion:119 Resp: 1339462

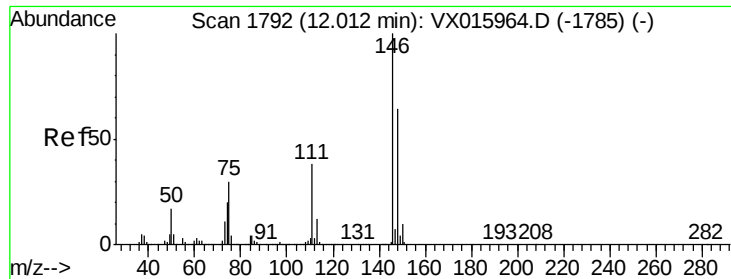
Ion Ratio Lower Upper

119 100

134 26.7 13.0 39.0

91 24.0 11.9 35.9





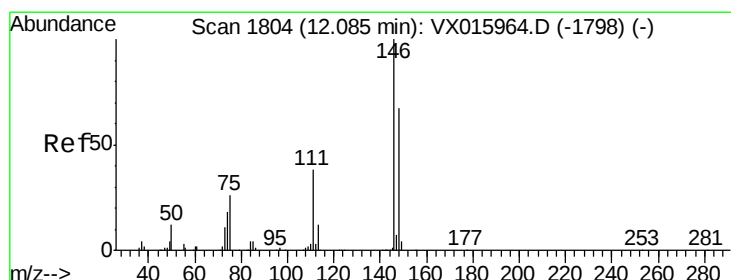
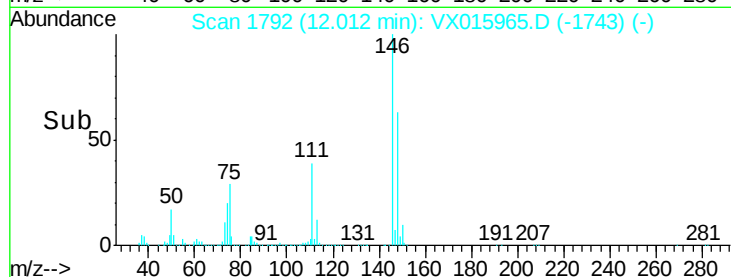
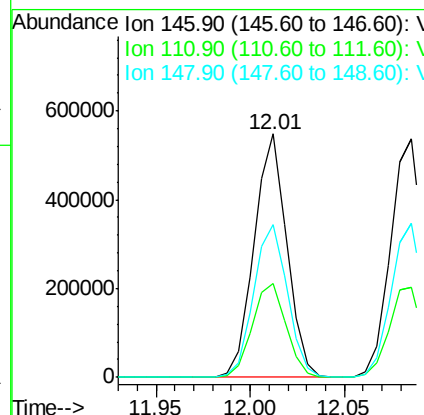
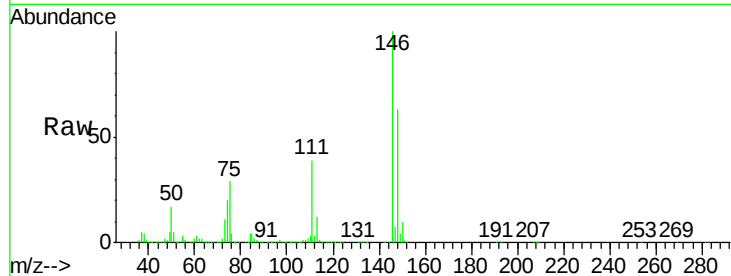
#87
 1,3-Dichlorobenzene
 Concen: 105.188 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.8
148	64.4	32.0	96.0

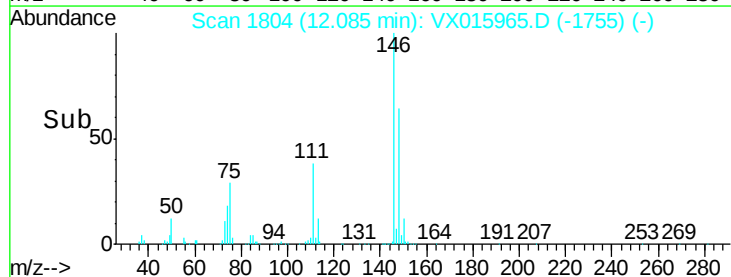
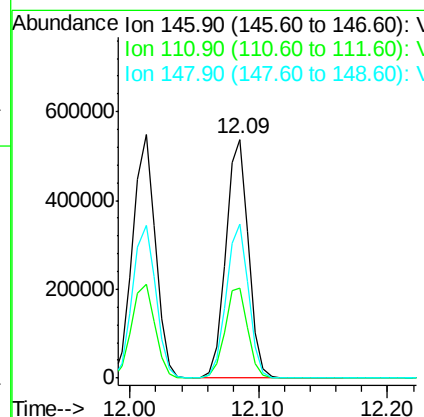
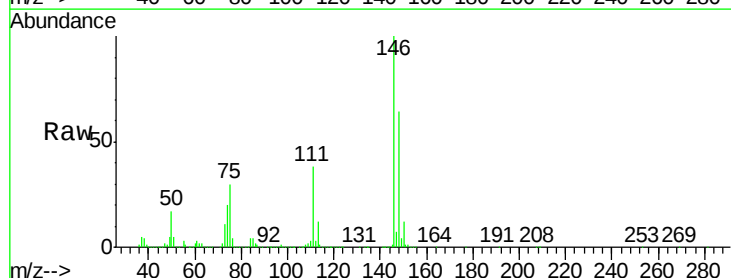
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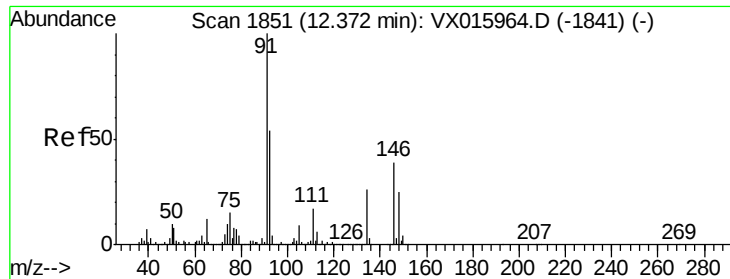
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#88
 1,4-Dichlorobenzene
 Concen: 104.975 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.0
148	63.8	32.8	98.4





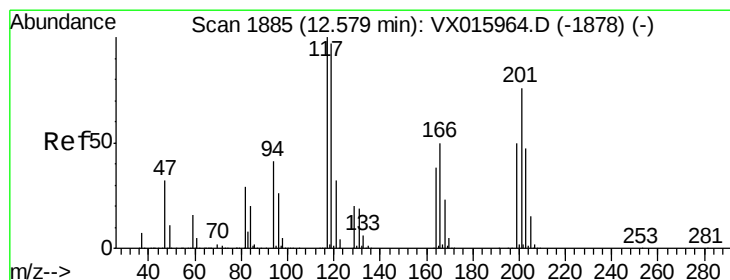
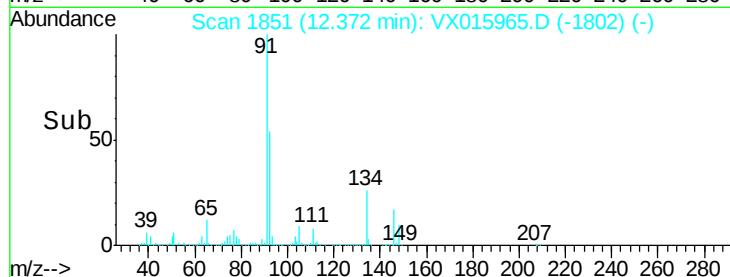
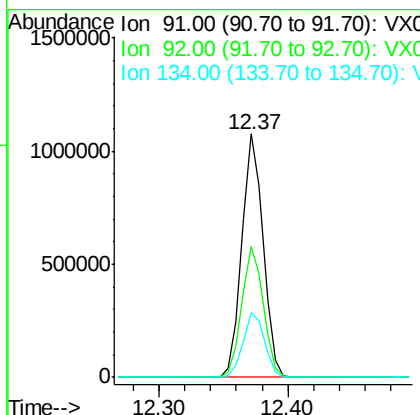
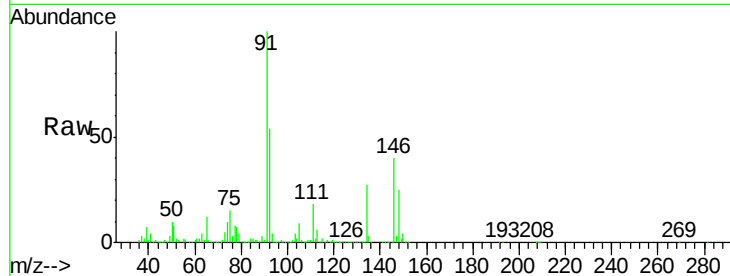
#89
n-Butylbenzene
Concen: 111.031 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	54.2	27.1	81.3	
134	27.0	13.3	39.8	

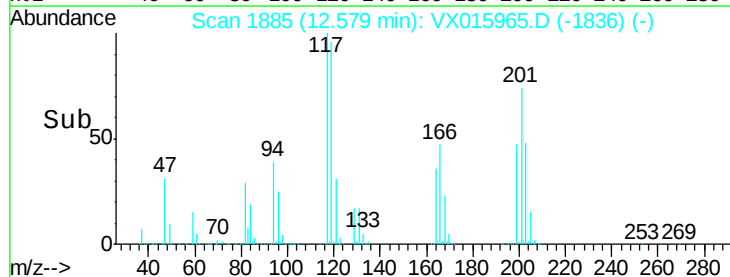
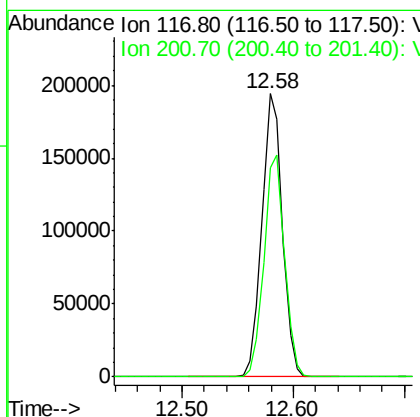
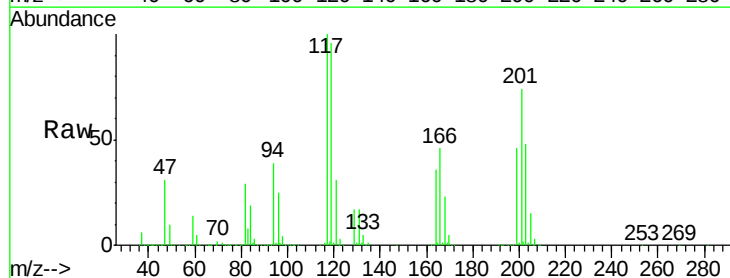
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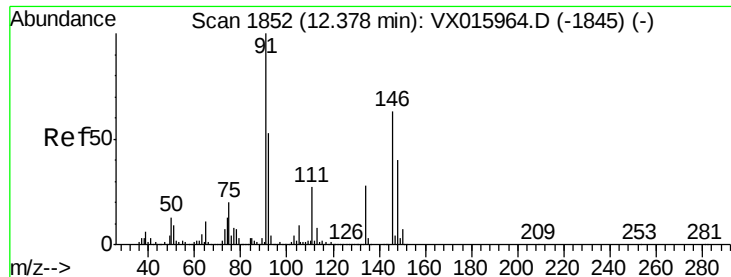
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#90
Hexachloroethane
Concen: 116.173 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015965.D
Acq: 28 Apr 2020 16:31

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	79.1	40.3	120.8	





#91

1,2-Dichlorobenzene

Concen: 106.155 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

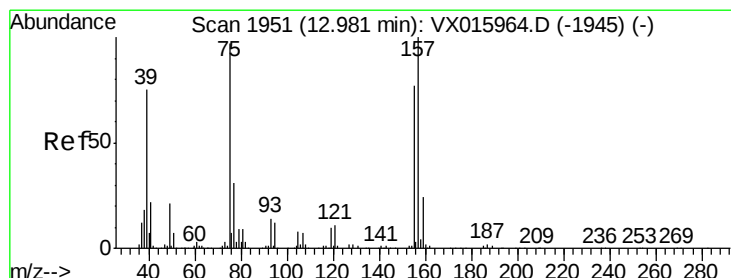
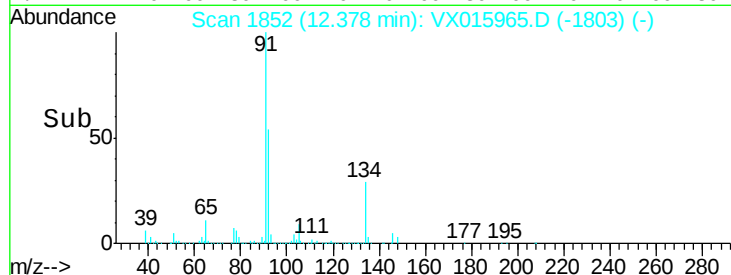
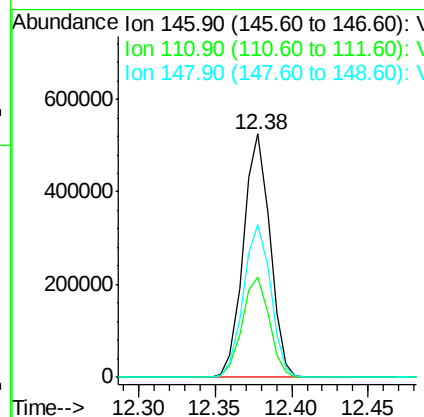
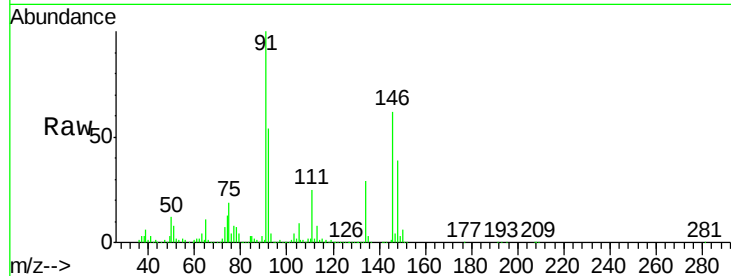
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	635733
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.1	63.3
148	64.3	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 108.067 ug/l

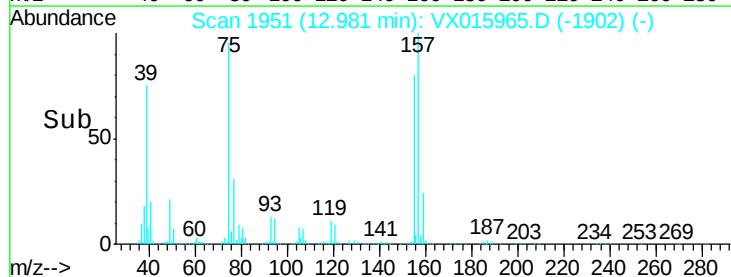
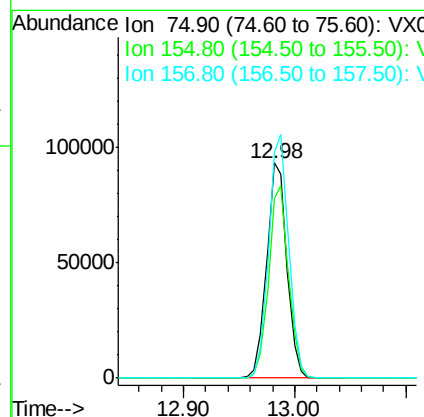
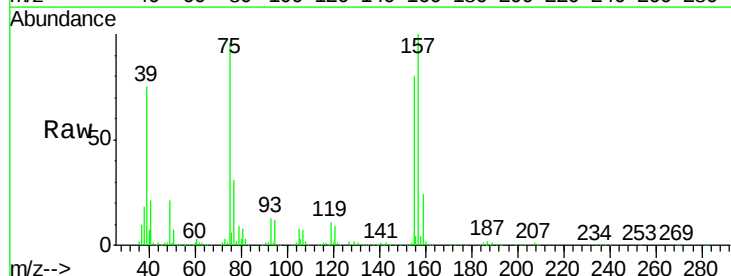
RT: 12.98 min Scan# 1951

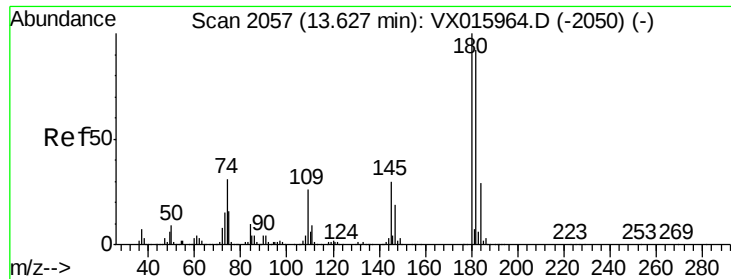
Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Tgt Ion:	75	Resp:	119035
Ion Ratio	Lower	Upper	
75	100		
155	87.5	42.5	127.6
157	112.0	56.0	168.2





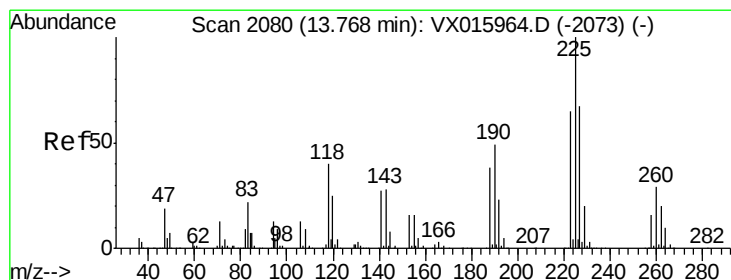
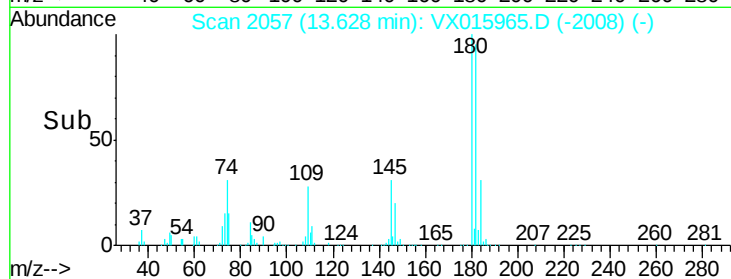
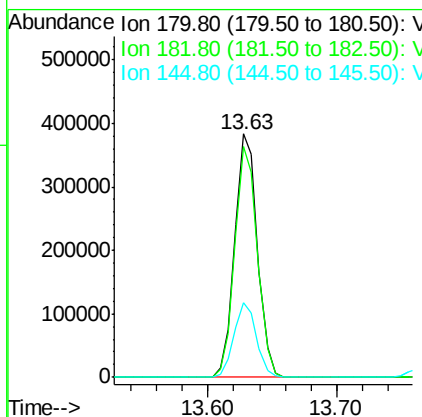
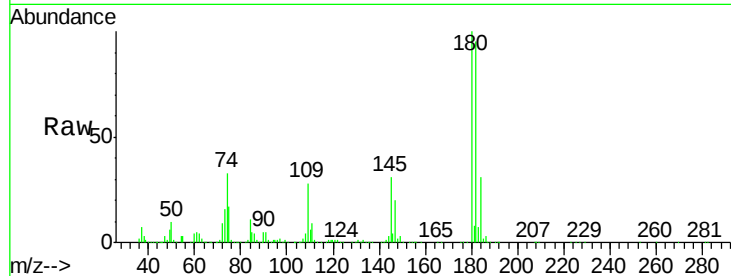
#93
 1,2,4-Trichlorobenzene
 Concen: 105.032 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	472111		
182	94.4	46.9	140.6	
145	30.5	14.7	44.1	

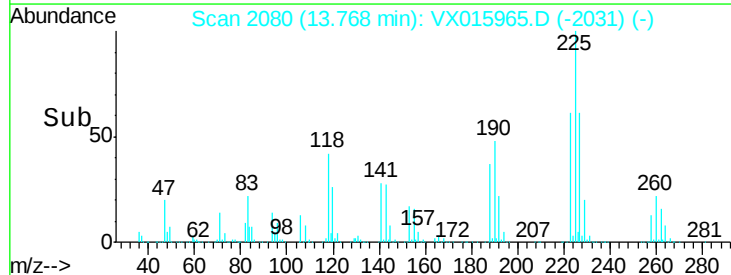
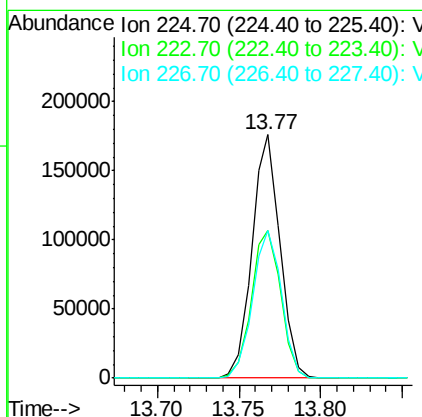
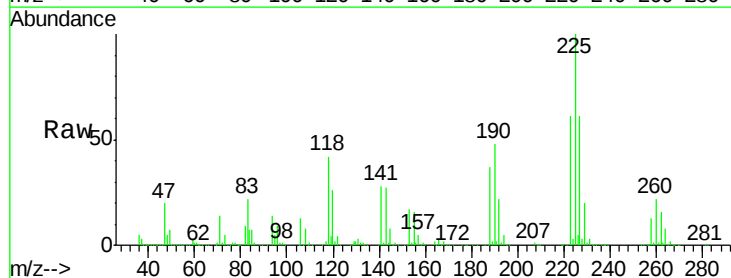
Manual Integrations
 APPROVED

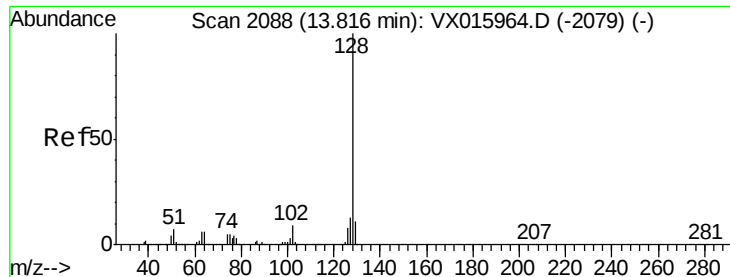
MMDadoda
 4/30/2020 2:59:56 PM



#94
 Hexachlorobutadiene
 Concen: 104.946 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015965.D
 Acq: 28 Apr 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210762		
223	63.5	32.0	96.0	
227	62.3	33.0	99.0	





#95

Naphthalene

Concen: 109.449 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1551651

Ion Ratio Lower Upper

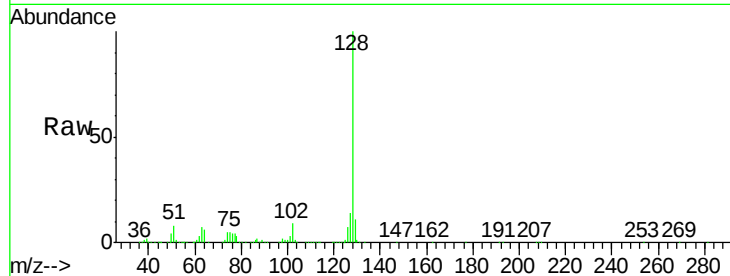
128 100

127 13.2 10.4 15.6

129 11.1 8.7 13.1

Manual Integrations
APPROVED

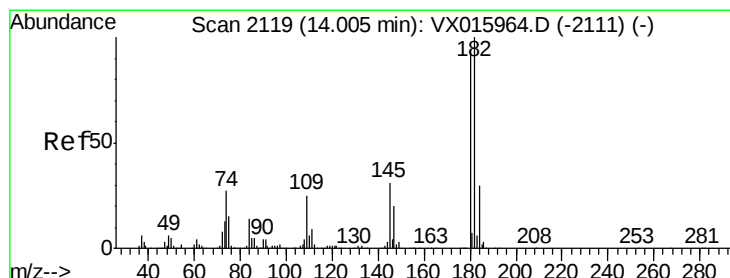
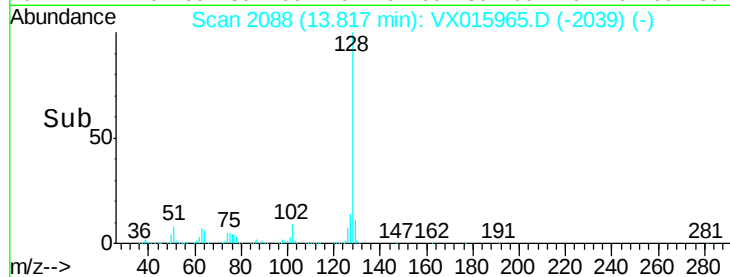
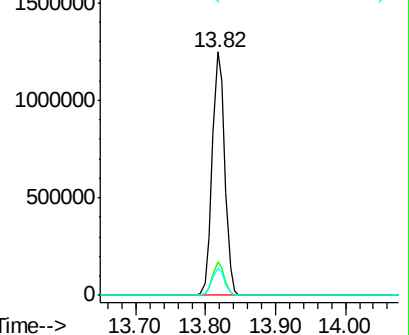
MMDadoda
4/30/2020 2:59:56 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 105.750 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015965.D

Acq: 28 Apr 2020 16:31

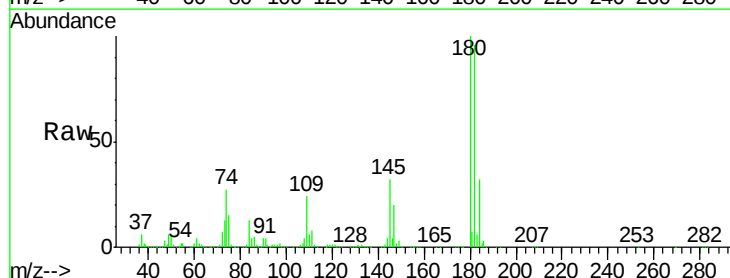
Tgt Ion:180 Resp: 457703

Ion Ratio Lower Upper

180 100

182 96.4 48.7 146.1

145 32.7 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

