

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062520\
 Data File : VX016952.D
 Acq On : 25 Jun 2020 14:12
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 3:33:57 PM

Quant Time: Jun 26 09:03:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 08:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	39813	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	218274	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	206450	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	93477	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	11.12	95	106395	30.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.00%
63) Toluene-d8	8.70	98	269186	29.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	322526	166.593	ug/l 97
3) Chloromethane	1.31	50	379133	144.409	ug/l 100
4) Vinyl Chloride	1.39	62	388450	145.087	ug/l 95
5) Bromomethane	1.62	94	242096	125.583	ug/l 98
6) Chloroethane	1.70	64	254391	147.323	ug/l 99
7) Trichlorofluoromethane	1.91	101	638186	146.567	ug/l 98
8) Diethyl Ether	2.17	74	232507	146.752	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	324886	140.587	ug/l 98
10) 1,1-Dichloroethene	2.35	96	331735	145.550	ug/l 93
11) Methyl Iodide	2.49	142	510574	167.775	ug/l 98
12) Methyl Acetate	2.75	43	427040	148.538	ug/l 99
13) Acrolein	2.28	56	357444	787.932	ug/l 100
14) Acrylonitrile	3.12	53	1026648	753.965	ug/l 99
15) Acetone	2.42	58	260939	740.498	ug/l 100
16) Carbon Disulfide	2.54	76	1031230	143.927	ug/l 99
17) Allyl chloride	2.70	41	638030	149.539	ug/l 99
18) Methylene Chloride	2.83	84	386975	140.964	ug/l 97
19) trans-1,2-Dichloroethene	3.14	96	378691	146.643	ug/l 99
20) Diisopropyl ether	3.82	45	1290026	151.289	ug/l 97
21) 1,1-Dichloroethane	3.67	63	690631	146.887	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	430378	149.689	ug/l 98
23) tert-Butyl Alcohol	3.03	59	452826	2837.071	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	1232361	151.429	ug/l 99
25) Chloroform	5.18	83	704385	147.760	ug/l 99
26) Cyclohexane	5.55	56	599656	146.204	ug/l # 96
29) 1,1-Dichloropropene	5.77	75	530421	149.171	ug/l 99
30) 2-Butanone	4.64	43	1423758	768.180	ug/l 100
31) 2,2-Dichloropropane	4.56	77	595158	145.945	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	643510	149.564	ug/l 98
33) Carbon Tetrachloride	5.76	117	571940	149.893	ug/l 97
34) Benzene	6.11	78	1541929	148.927	ug/l 98
35) Methacrylonitrile	5.01	41	313258	153.147	ug/l 97
36) 1,2-Dichloroethane	6.17	62	582299	146.849	ug/l 98
37) Trichloroethene	7.19	130	417460	147.764	ug/l 95
38) Methylcyclohexane	7.44	83	605869	149.620	ug/l 100
39) 1,2-Dichloropropane	7.49	63	399693	148.178	ug/l 97
40) Dibromomethane	7.64	93	278956	150.053	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	582303	151.264	ug/l	94
42) Vinyl Acetate	3.79	43	5769833	772.515	ug/l	100
43) Ethyl Acetate	4.80	43	582605	152.140	ug/l	99
44) Isopropyl Acetate	6.42	43	977712	154.504	ug/l	99
45) 1,4-Dioxane	7.71	88	194748	3050.546	ug/l	97
46) Methyl methacrylate	7.74	41	470700	160.732	ug/l	96
47) n-amyl Acetate	10.88	43	906002	161.976	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	664003	156.001	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	682448	152.562	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	390606	150.551	ug/l	98
51) Ethyl methacrylate	9.16	69	654065	164.267	ug/l	97
52) 1,3-Dichloropropane	9.35	76	666668	149.666	ug/l	98
53) Dibromochloromethane	9.57	129	465270	156.023	ug/l	99
54) 1,2-Dibromoethane	9.65	107	421133	152.967	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	1634128	779.894	ug/l	100
56) Bromoform	10.84	173	347201	164.019	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	2928928	770.190	ug/l	99
59) 2-Hexanone	9.48	43	2198700	774.701	ug/l	99
61) Tetrachloroethene	9.32	164	372441	141.459	ug/l	96
62) Toluene	8.77	91	1650790	146.193	ug/l	99
64) Chlorobenzene	10.12	112	1059770	149.806	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	403322	151.444	ug/l	100
66) Ethyl Benzene	10.24	91	1886067	150.620	ug/l	99
67) m/p-Xylenes	10.34	106	1440723	304.995	ug/l	98
68) o-Xylene	10.68	106	699778	154.219	ug/l	99
69) Styrene	10.70	104	1245992	160.372	ug/l	98
70) Isopropylbenzene	11.00	105	1900025	154.384	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	576956	152.646	ug/l	98
72) 1,1,2,3-Trichloropropane	11.28	75	529105m	145.770	ug/l	
73) Bromobenzene	11.24	156	473609	152.479	ug/l	98
74) n-propylbenzene	11.35	91	2239013	153.222	ug/l	100
75) 2-Chlorotoluene	11.41	91	1296378	152.136	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	1600912	154.971	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	231184	157.163	ug/l	97
78) 4-Chlorotoluene	11.49	91	1551443	153.773	ug/l	97
79) tert-butylbenzene	11.76	119	1543217	155.941	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	1590109	153.322	ug/l	99
81) sec-Butylbenzene	11.93	105	1835645	153.204	ug/l	99
82) p-Isopropyltoluene	12.05	119	1653652	152.854	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	826700	148.523	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	852331	152.404	ug/l	99
85) n-Butylbenzene	12.37	91	1569950	156.780	ug/l	99
86) Hexachloroethane	12.58	117	331680	156.661	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	790989	151.825	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	134337	156.216	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	555297	157.982	ug/l	94
90) Hexachlorobutadiene	13.77	225	199649	149.314	ug/l	98
91) Naphthalene	13.82	128	1804308	156.607	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	521502	152.033	ug/l	95

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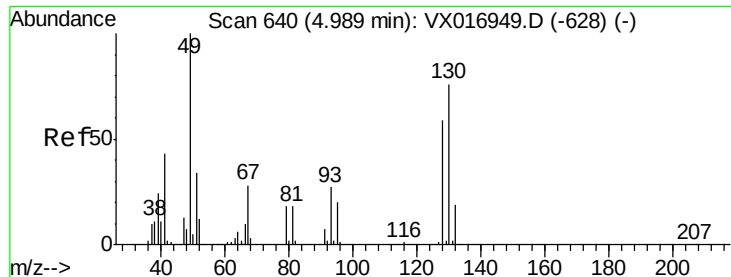
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

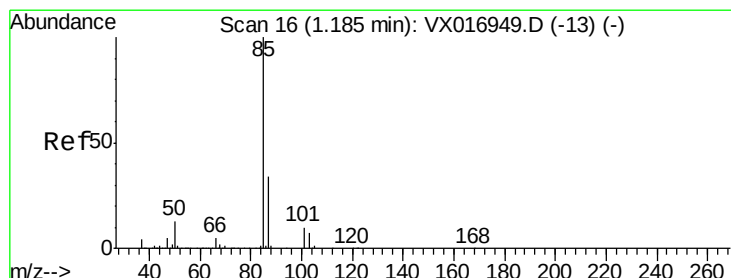
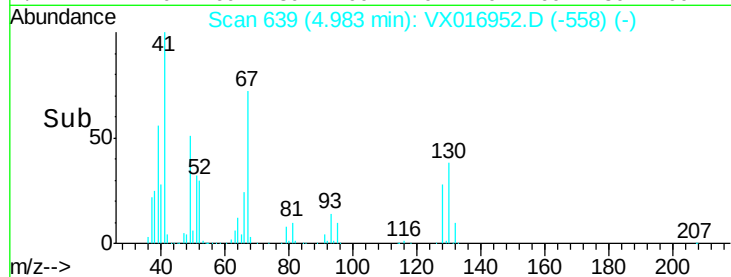
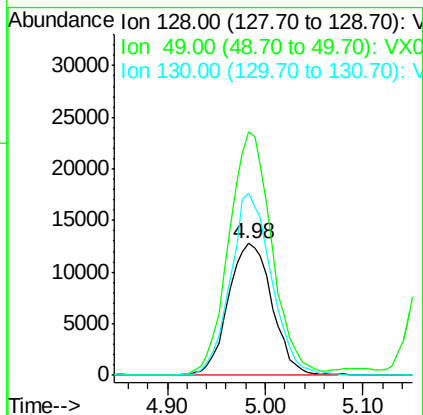
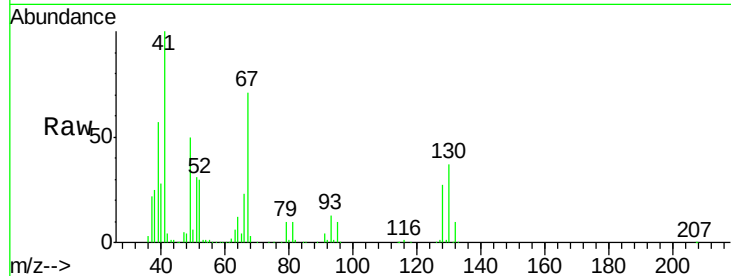
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	181.3	0.0	428.0
130	129.6	0.0	318.0

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#2

Dichlorodifluoromethane

Concen: 166.593 ug/l

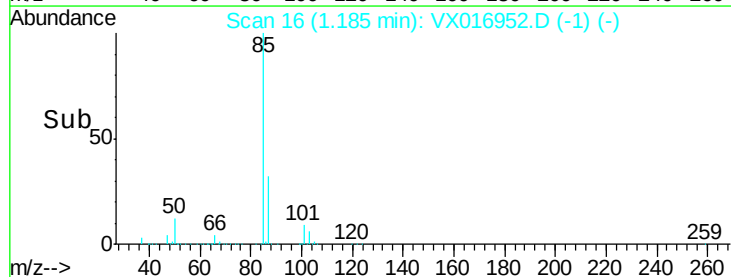
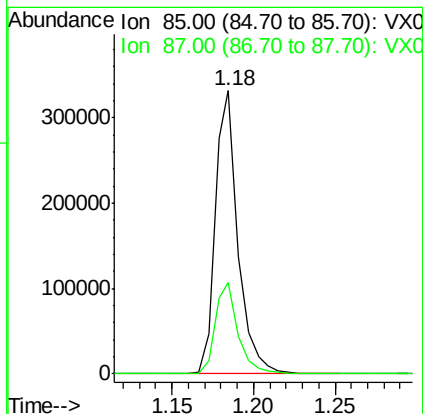
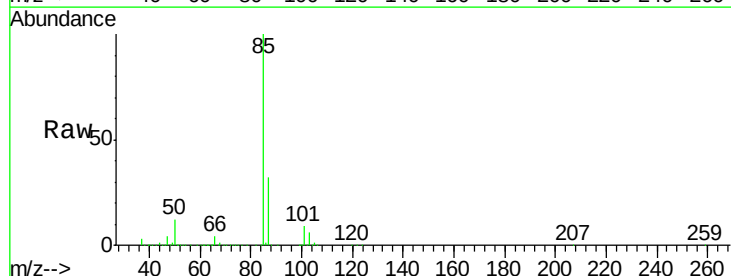
RT: 1.18 min Scan# 16

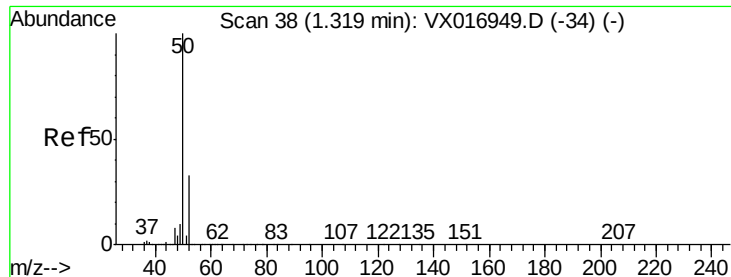
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.9	50.7





#3

Chloromethane

Concen: 144.409 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 379133

Ion Ratio Lower Upper

50 100

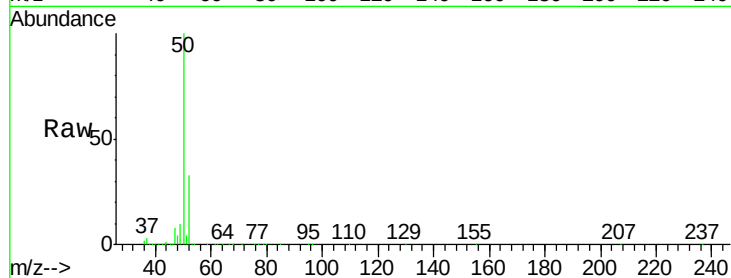
52 33.1 26.5 39.7

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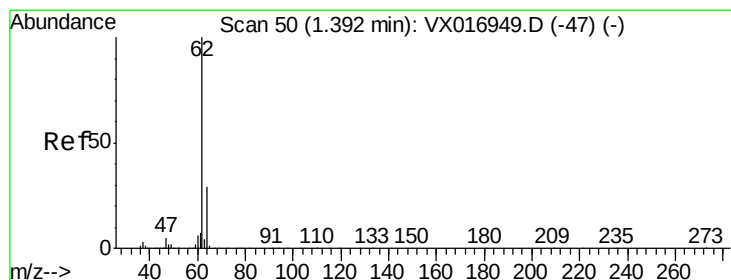
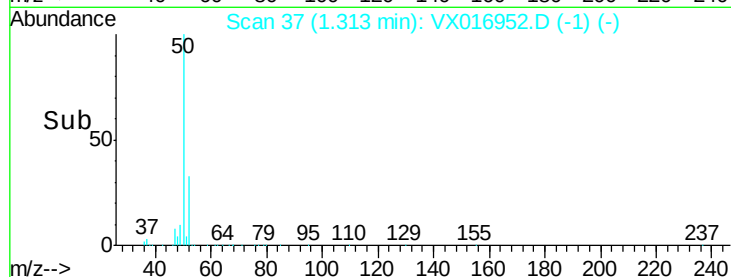
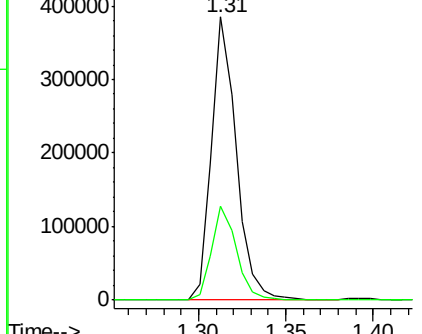
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 145.087 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016952.D

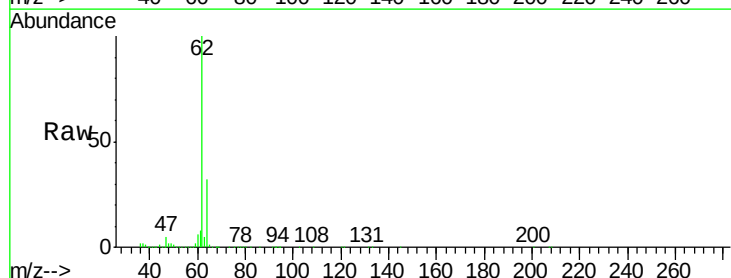
Acq: 25 Jun 2020 14:12

Tgt Ion: 62 Resp: 388450

Ion Ratio Lower Upper

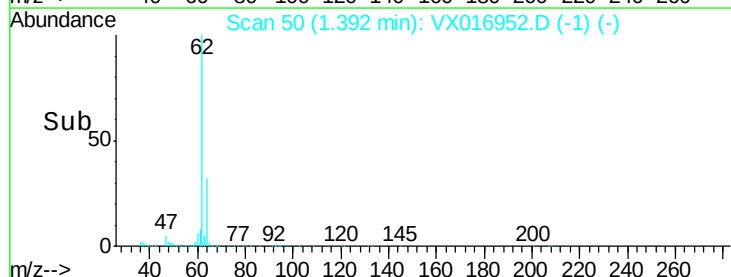
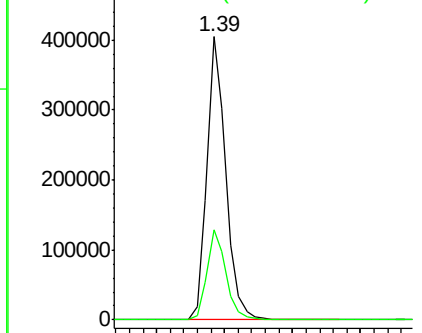
62 100

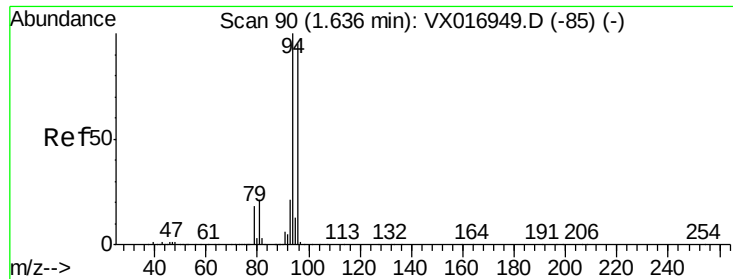
64 31.9 23.4 35.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 125.583 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

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MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 242096

Ion Ratio Lower Upper

94 100

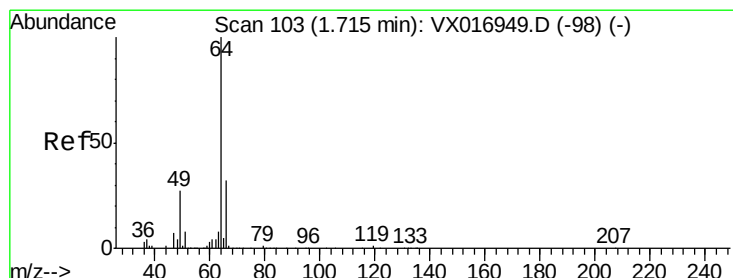
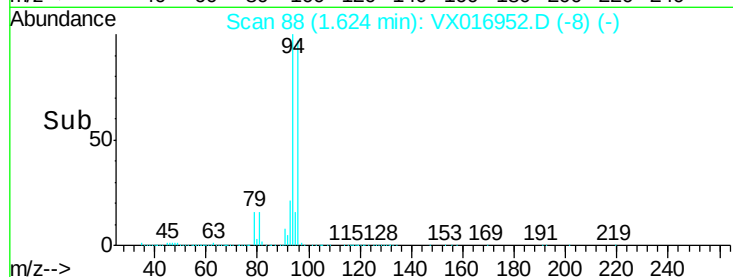
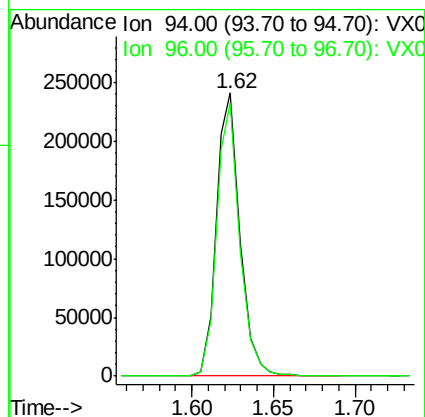
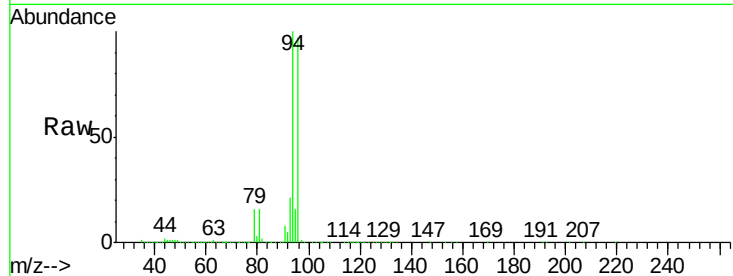
96 96.7 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 147.323 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.02 min

Lab File: VX016952.D

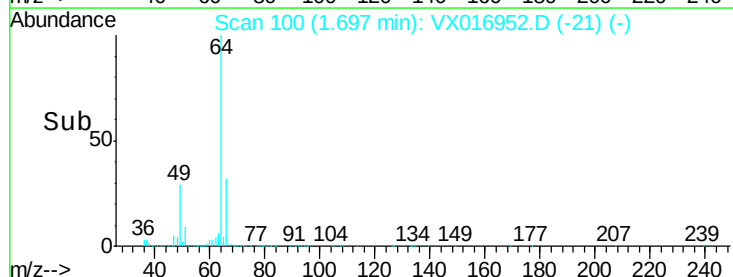
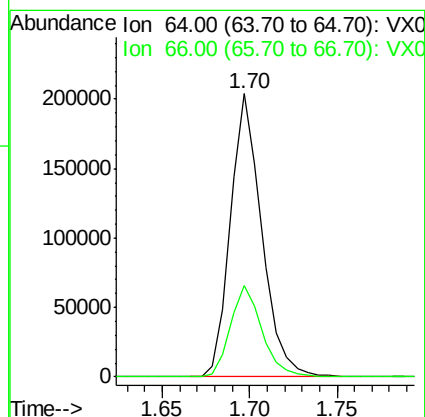
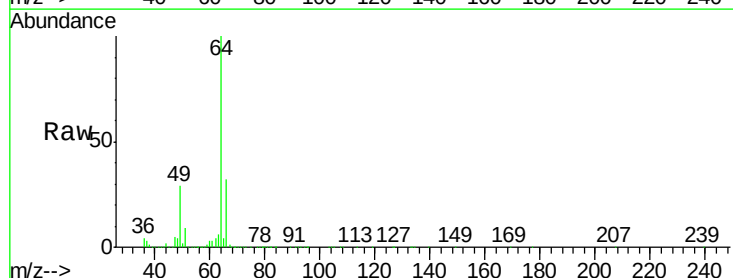
Acq: 25 Jun 2020 14:12

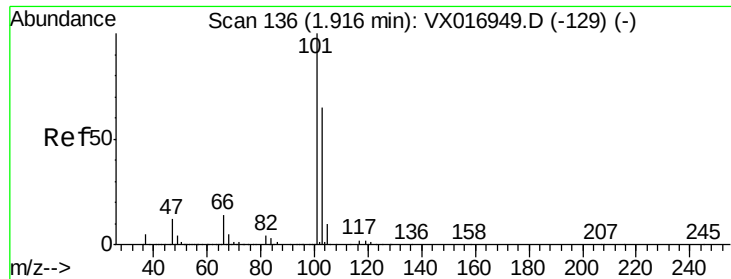
Tgt Ion: 64 Resp: 254391

Ion Ratio Lower Upper

64 100

66 32.3 26.1 39.1





#7

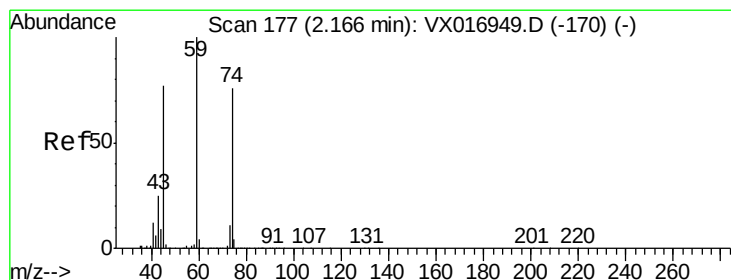
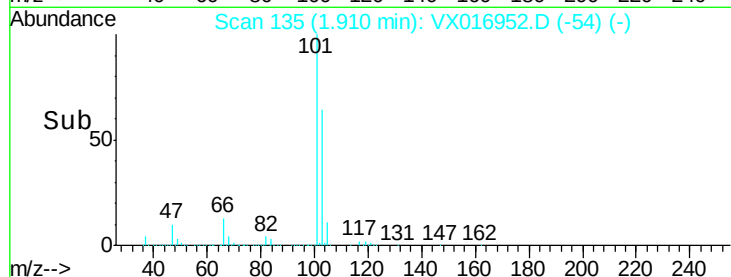
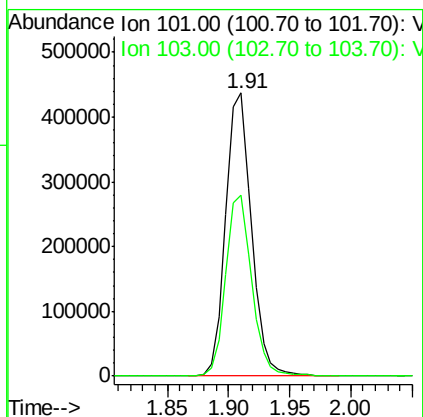
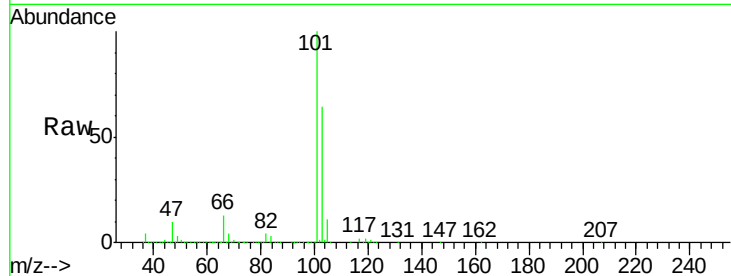
Trichlorofluoromethane
Concen: 146.567 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

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VSTDICC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		638186		
103	63.9	52.1	78.1		

Manual Integrations
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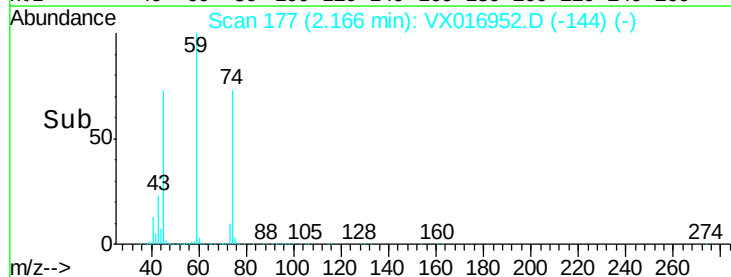
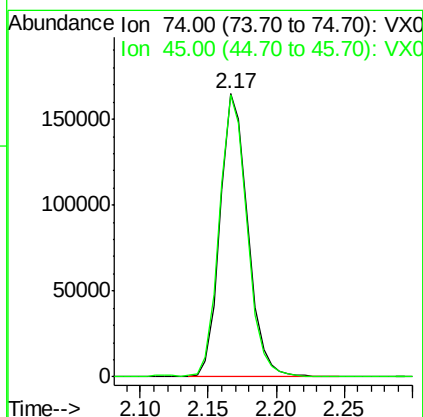
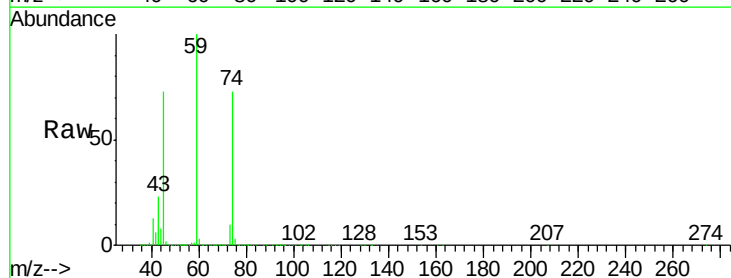
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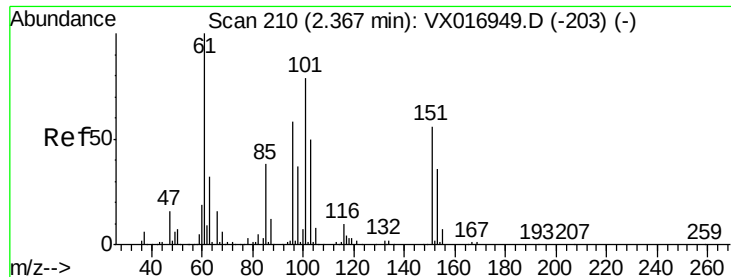


#8

Diethyl Ether
Concen: 146.752 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		232507		
45	100.0	19.8	178.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.587 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

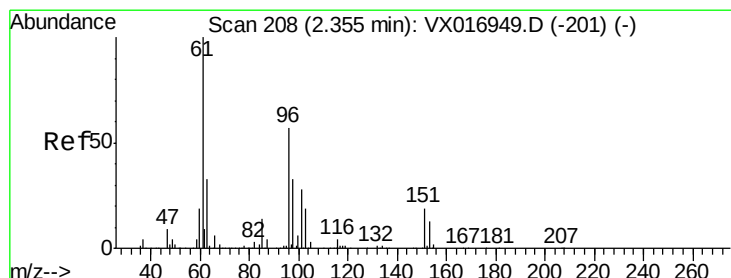
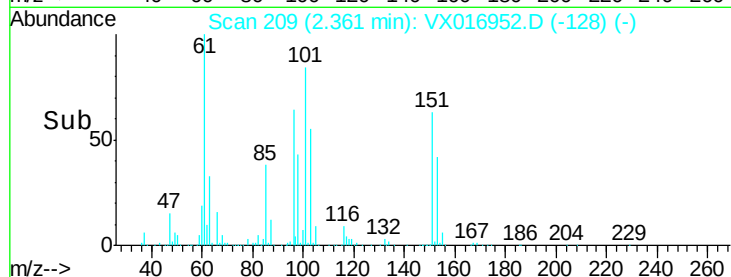
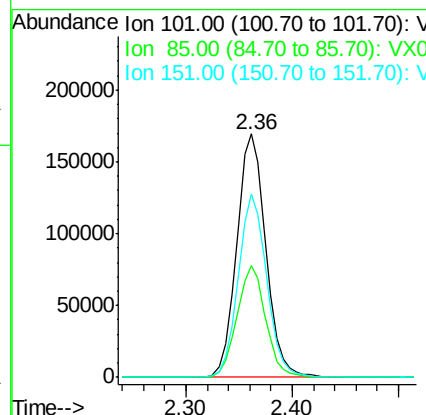
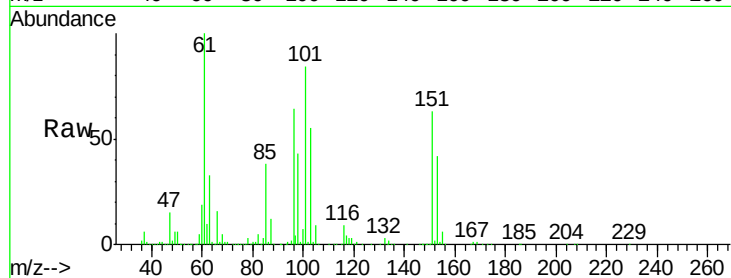
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	324886
Ion Ratio	Lower	Upper	
101	100		
85	45.3	0.0	94.6
151	74.0	0.0	145.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 145.550 ug/l

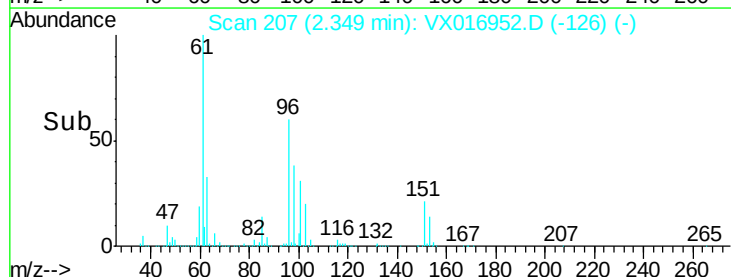
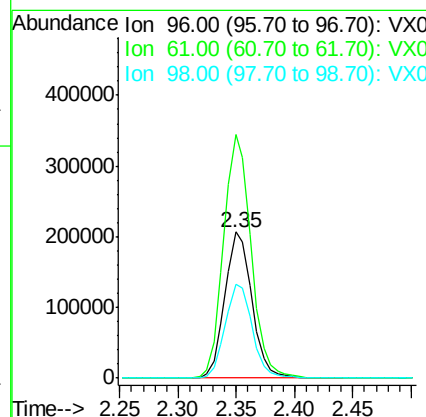
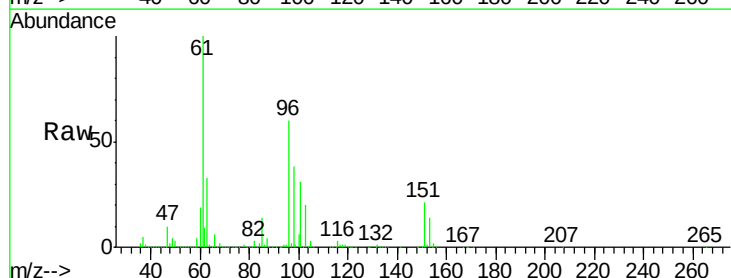
RT: 2.35 min Scan# 207

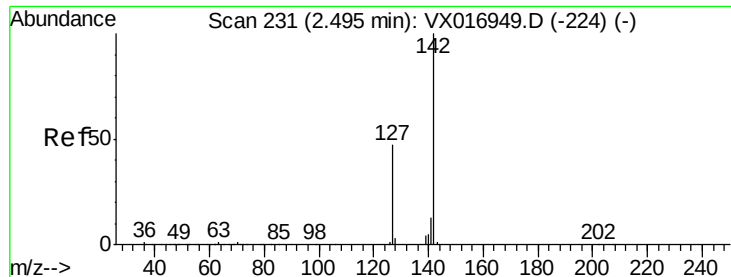
Delta R.T. -0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	96	Resp:	331735
Ion Ratio	Lower	Upper	
96	100		
61	166.9	141.3	211.9
98	64.2	47.0	70.4





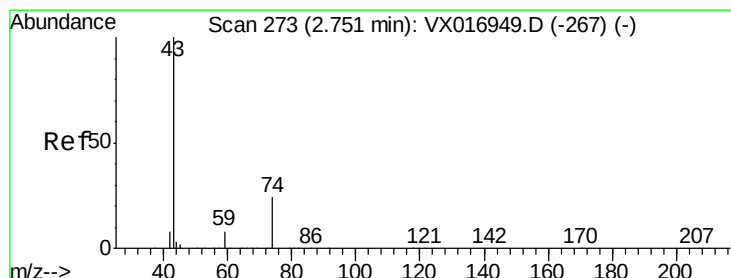
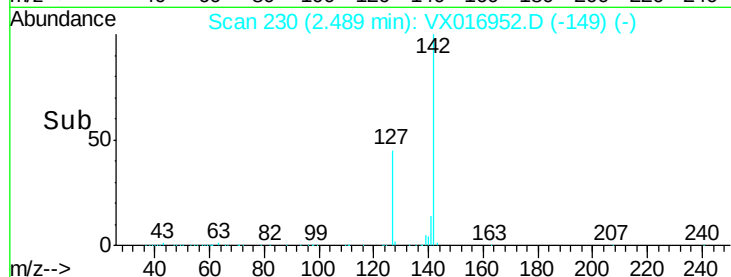
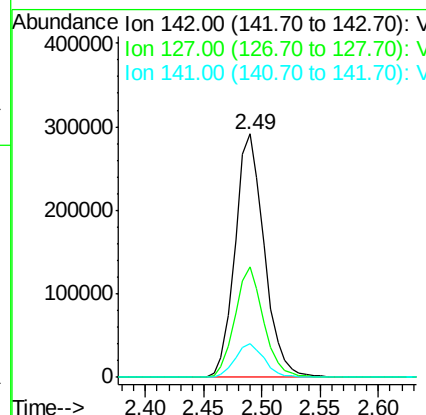
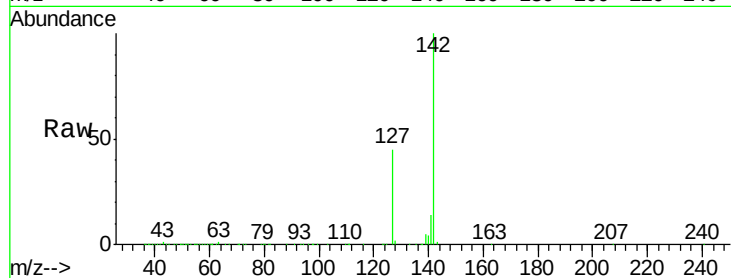
#11
Methyl Iodide
Concen: 167.775 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.3	23.3	69.9
141	14.0	6.7	20.1

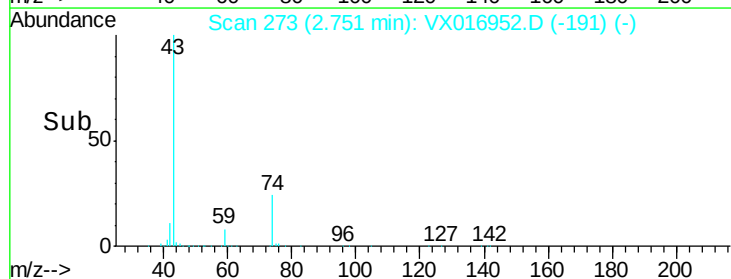
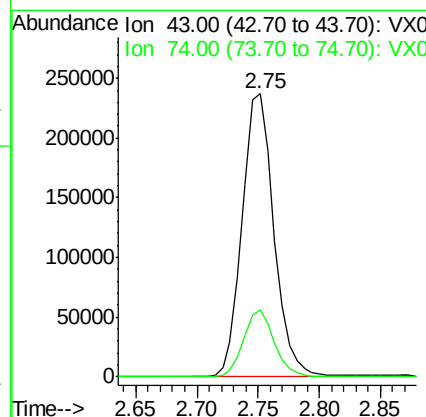
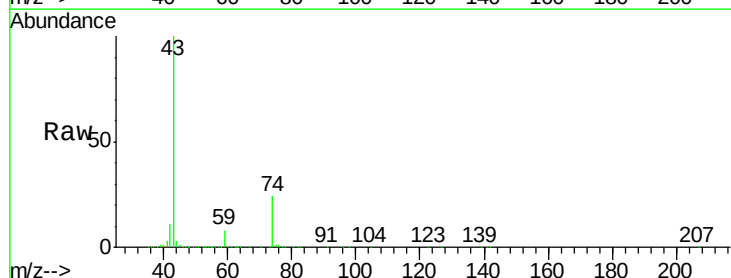
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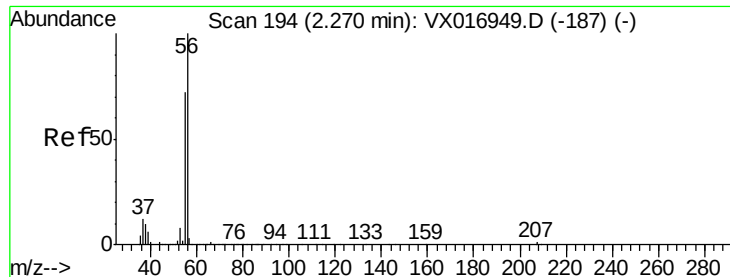
MMDadoda
6/26/2020 3:33:57 PM



#12
Methyl Acetate
Concen: 148.538 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





#13

Acrolein

Concen: 787.932 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 56 Resp: 357444

Ion Ratio Lower Upper

56 100

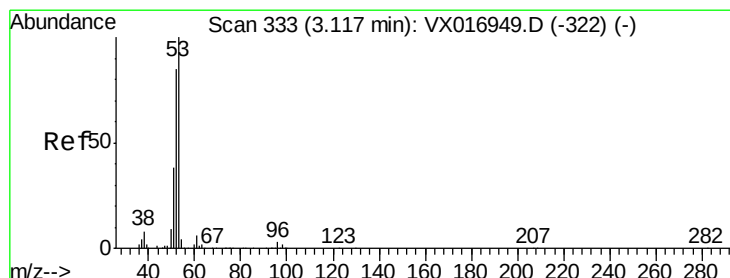
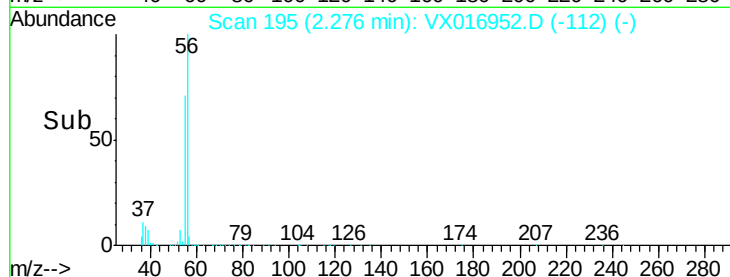
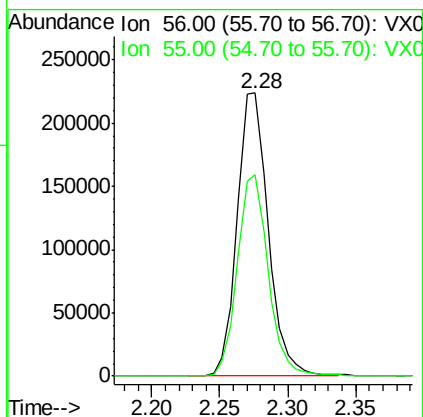
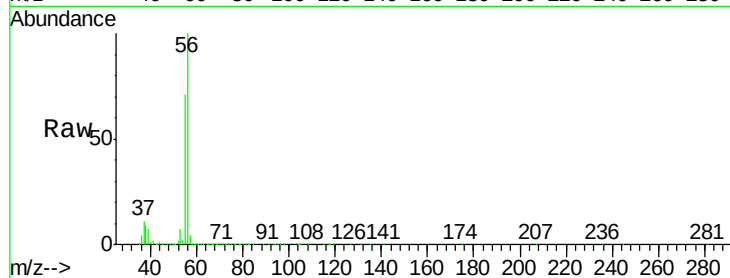
55 70.1 56.2 84.4

Manual Integrations

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#14

Acrylonitrile

Concen: 753.965 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

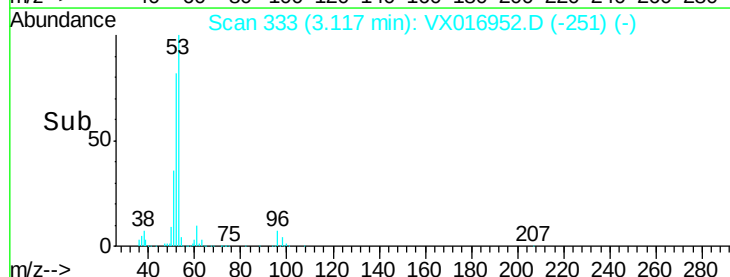
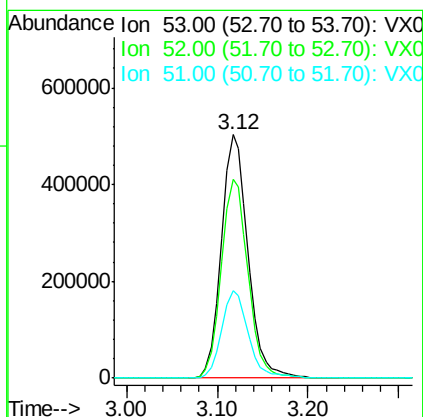
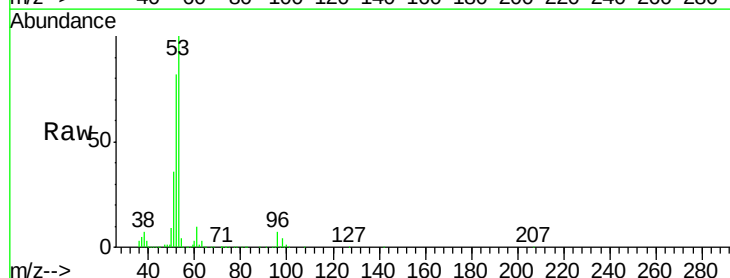
Tgt Ion: 53 Resp: 1026648

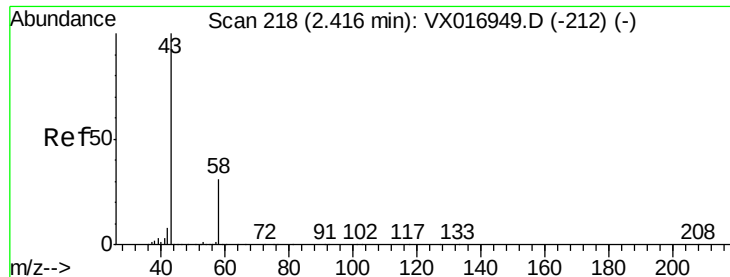
Ion Ratio Lower Upper

53 100

52 82.1 40.6 121.8

51 36.2 18.4 55.4





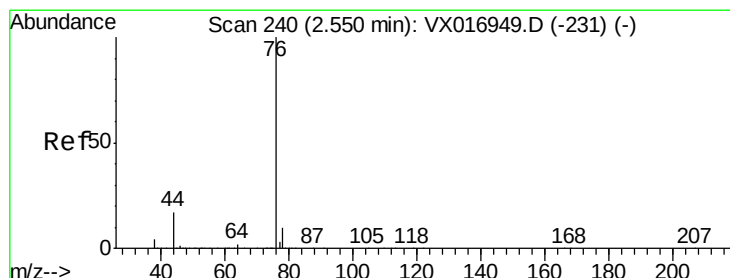
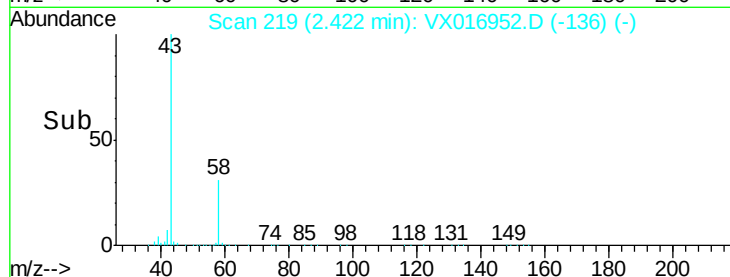
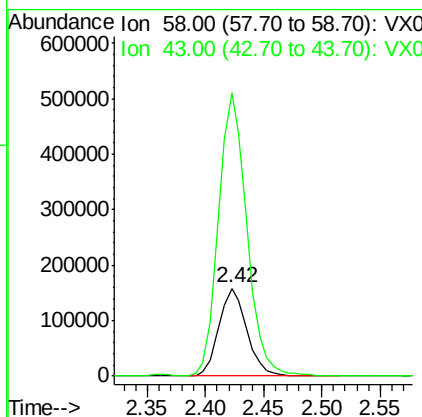
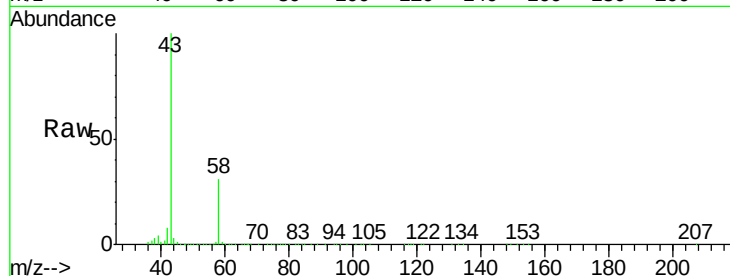
#15
Acetone
Concen: 740.498 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 58 Resp: 260939
Ion Ratio Lower Upper
58 100
43 321.3 257.6 386.4

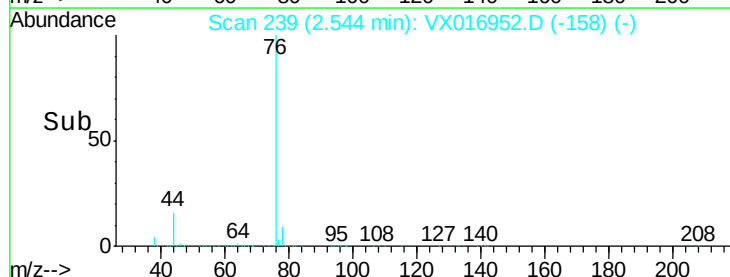
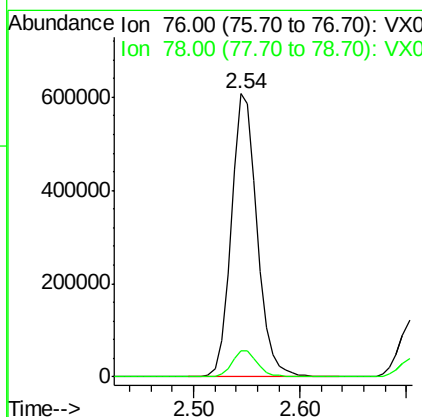
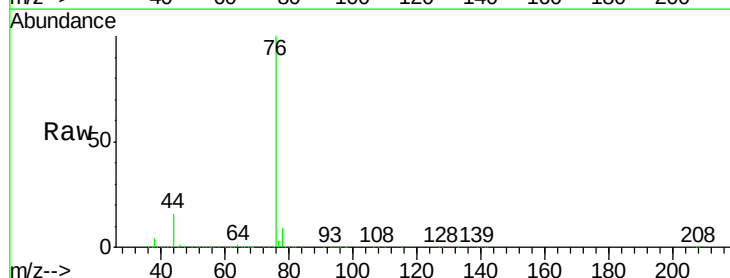
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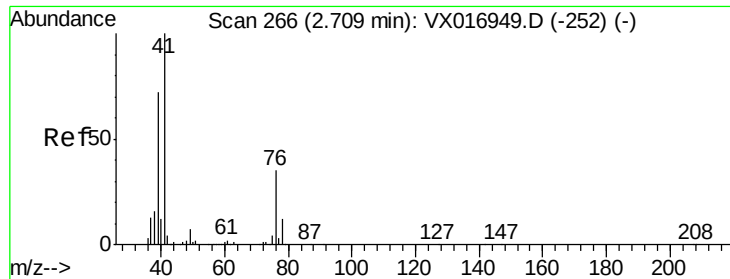
MMDadoda
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#16
Carbon Disulfide
Concen: 143.927 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion: 76 Resp: 1031230
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4





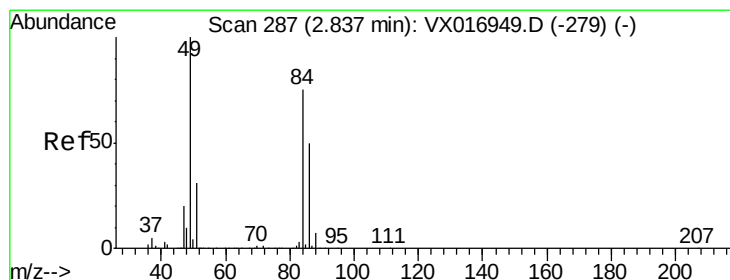
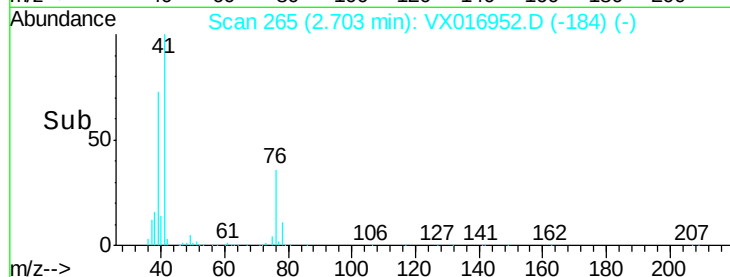
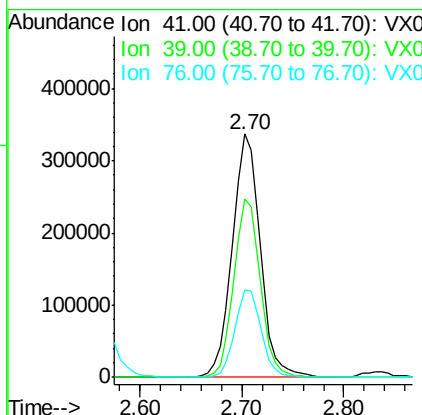
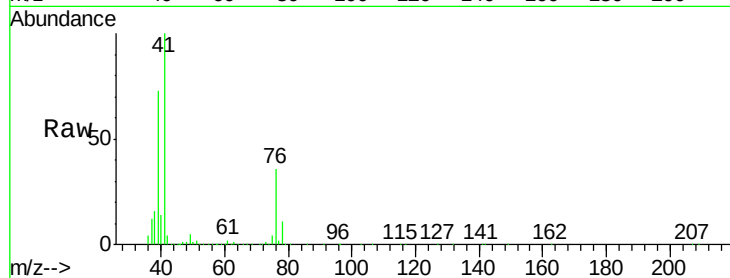
#17
Allvl chloride
Concen: 149.539 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.1	35.9	107.8
76	36.0	17.6	52.8

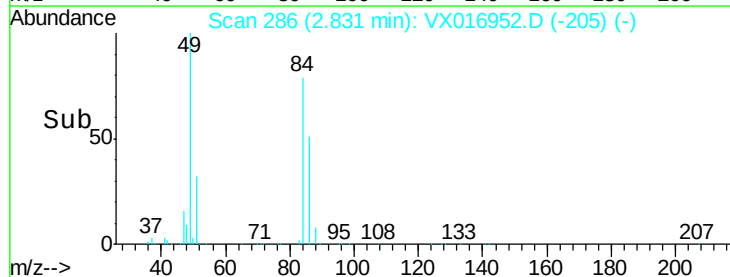
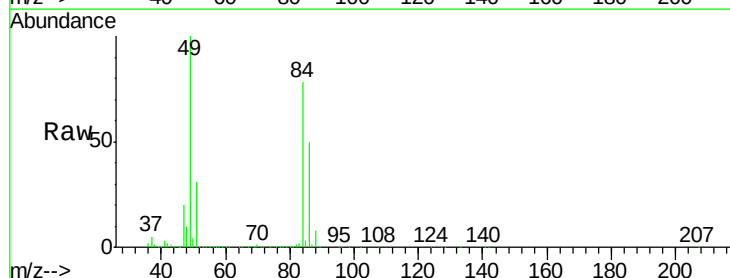
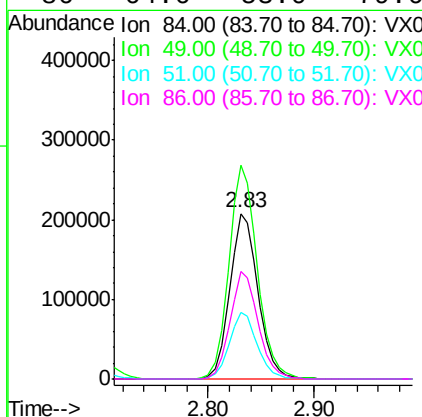
Manual Integrations
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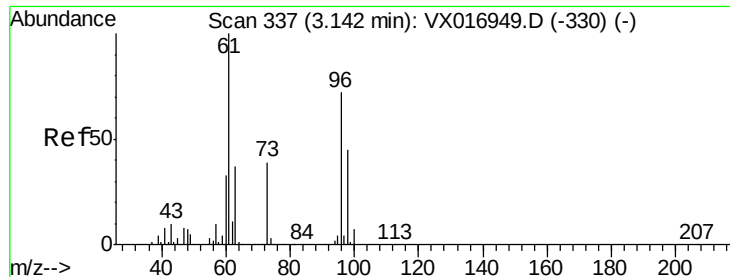
MMDadoda
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#18
Methylene Chloride
Concen: 140.964 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.9	106.6	159.8
51	40.1	32.7	49.1
86	64.6	53.0	79.6





#19

trans-1,2-Dichloroethene

Concen: 146.643 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

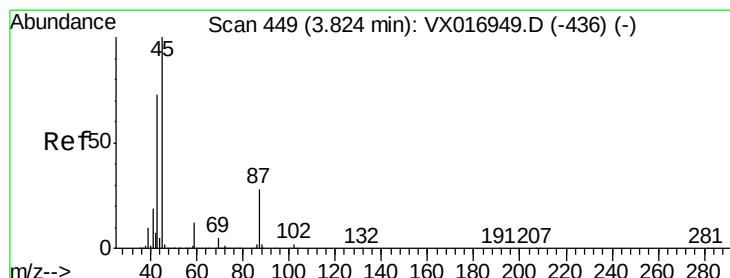
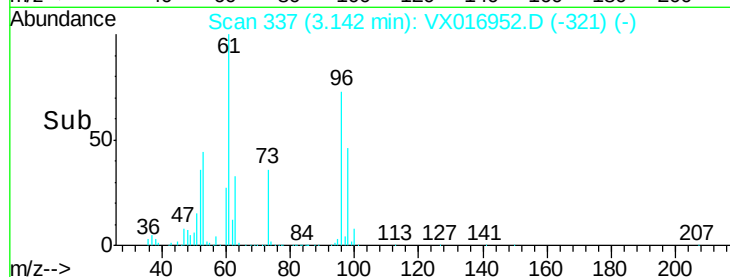
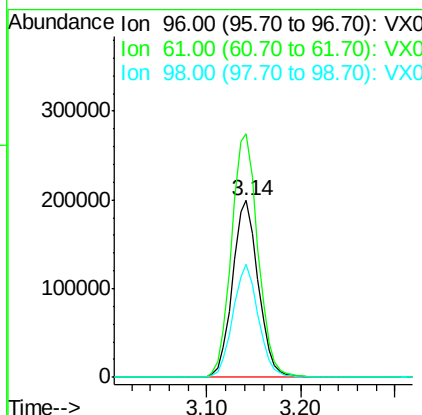
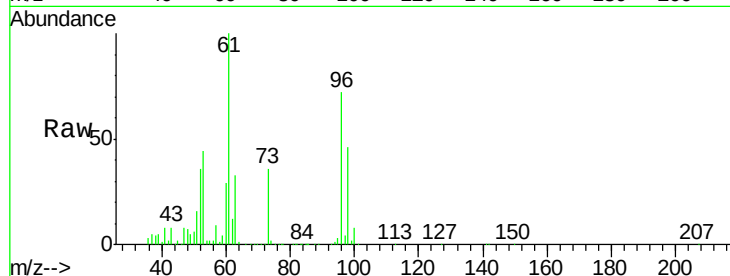
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	378691
Ion	Ratio	Lower	Upper
96	100		
61	137.9	110.6	165.8
98	64.0	49.8	74.6

Manual Integrations
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#20

Diisopropyl ether

Concen: 151.289 ug/l

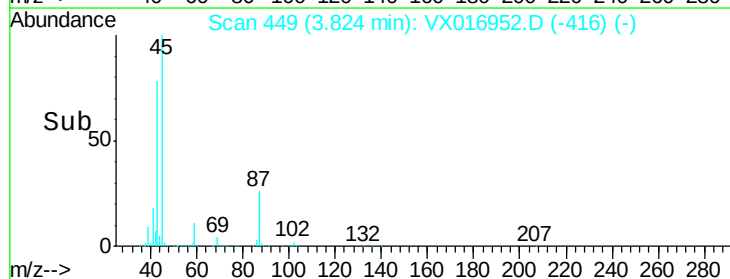
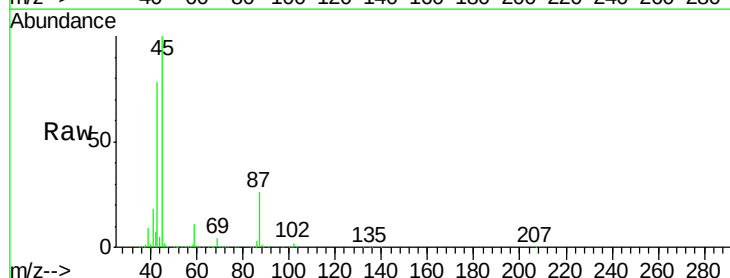
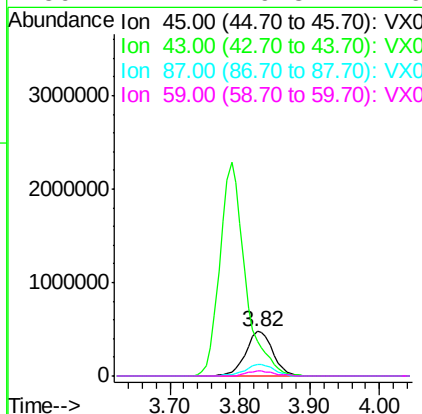
RT: 3.82 min Scan# 449

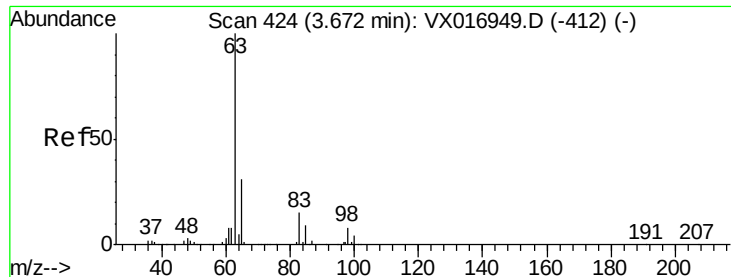
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	45	Resp:	1290026
Ion	Ratio	Lower	Upper
45	100		
43	77.8	63.9	95.9
87	25.5	22.2	33.4
59	11.4	9.8	14.6





#21

1,1-Dichloroethane

Concen: 146.887 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

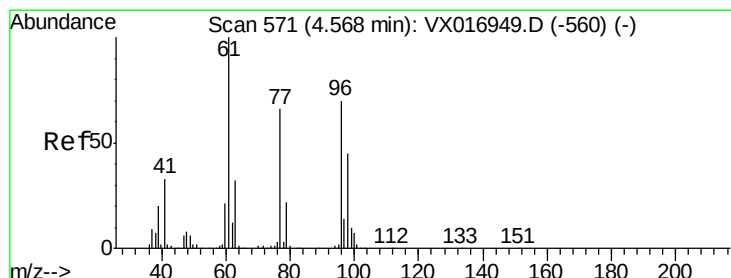
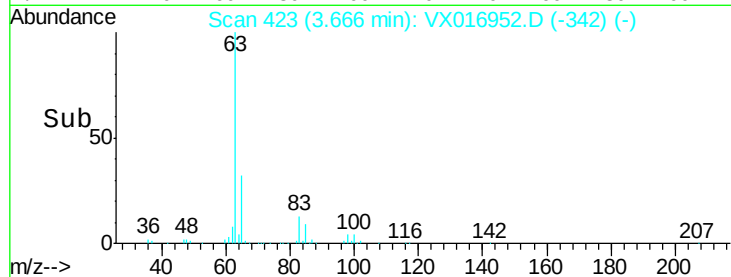
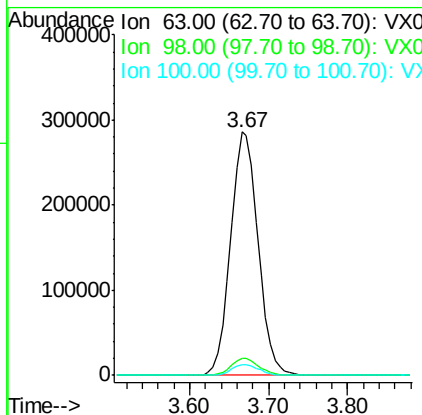
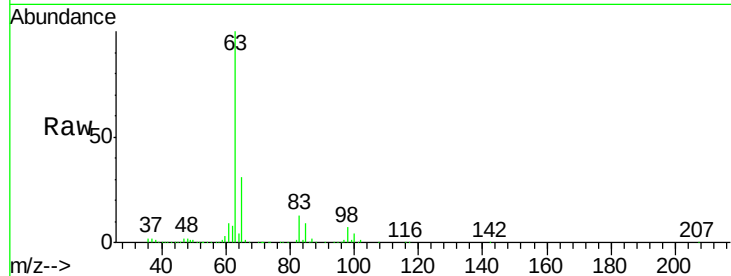
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	690631
Ion Ratio		Lower	Upper
63	100		
98	7.0	3.8	11.4
100	4.2	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 149.689 ug/l

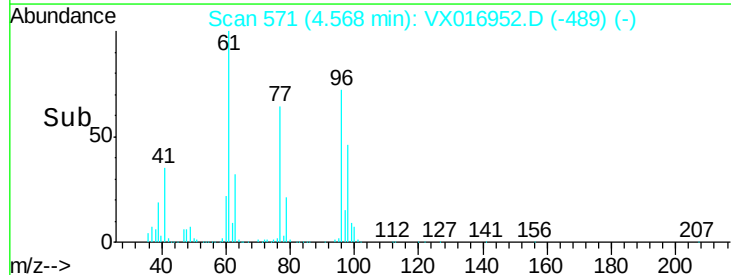
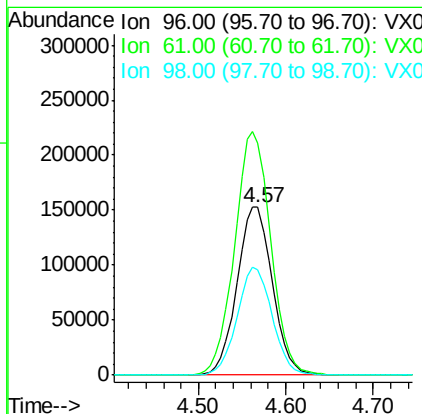
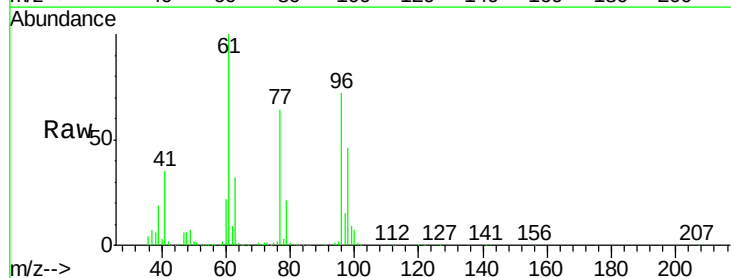
RT: 4.57 min Scan# 571

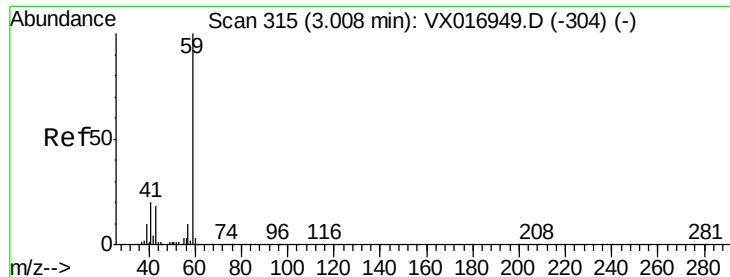
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	96	Resp:	430378
Ion Ratio		Lower	Upper
96	100		
61	148.1	120.8	181.2
98	63.7	51.7	77.5





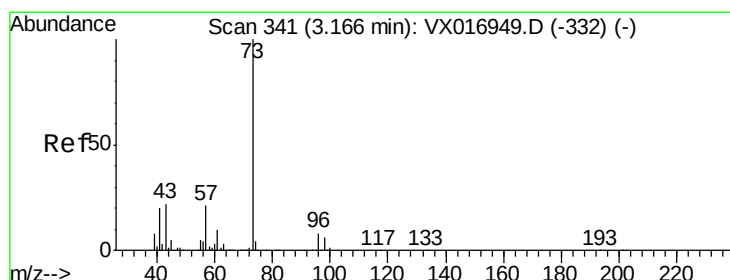
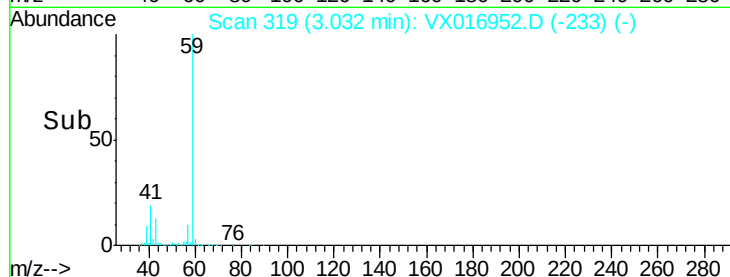
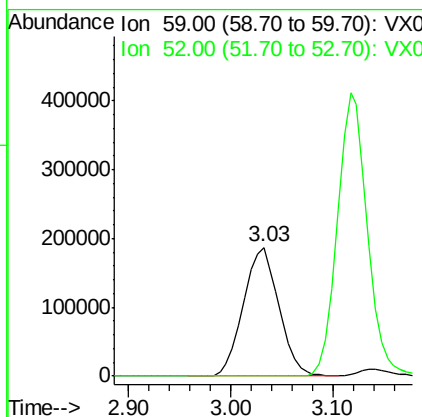
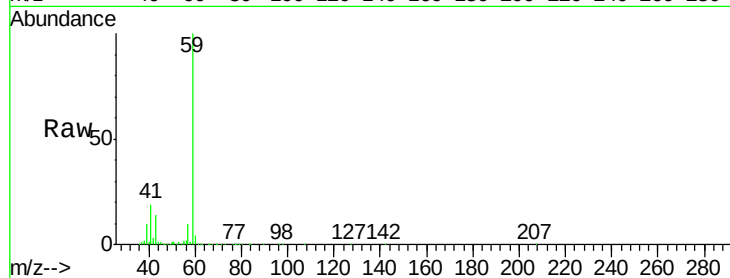
#23
tert-Butyl Alcohol
Concen: 2837.071 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

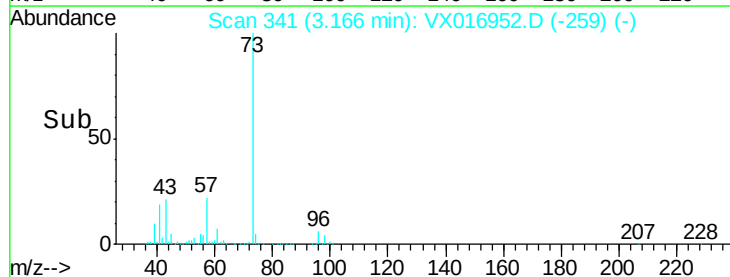
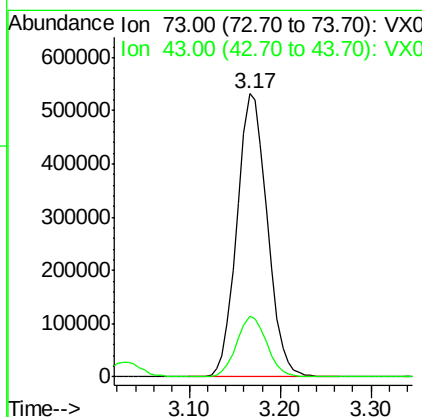
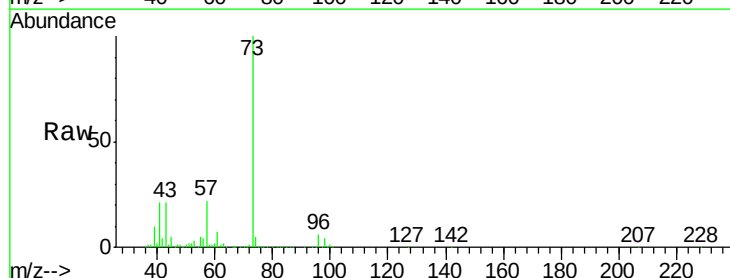
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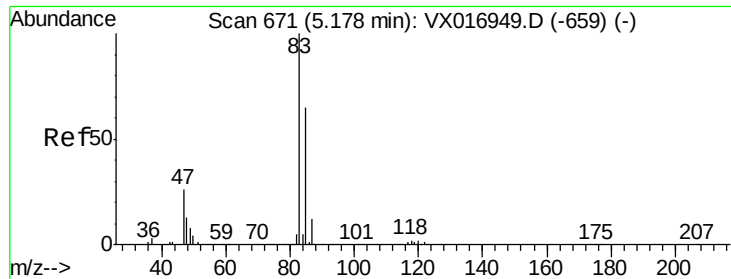
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#24
Methyl tert-Butyl Ether
Concen: 151.429 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.2	25.8





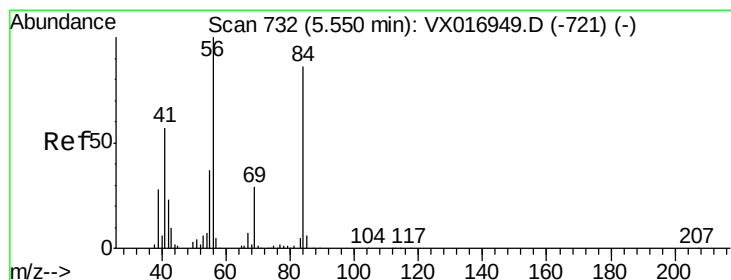
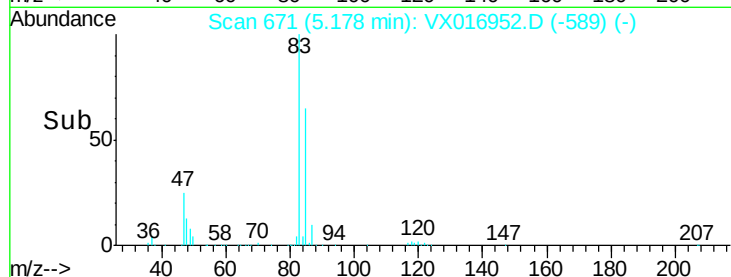
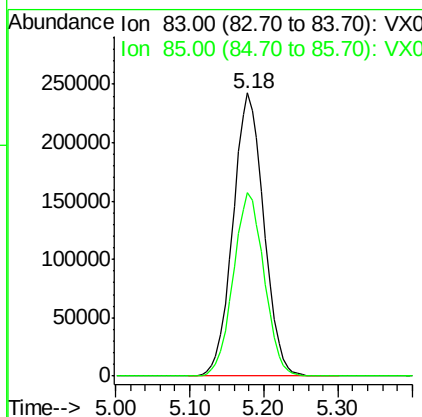
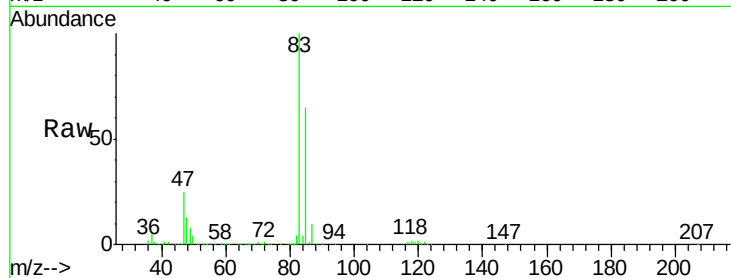
#25
Chloroform
Concen: 147.760 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
83	83	100		
85	85	64.6	52.1	78.1

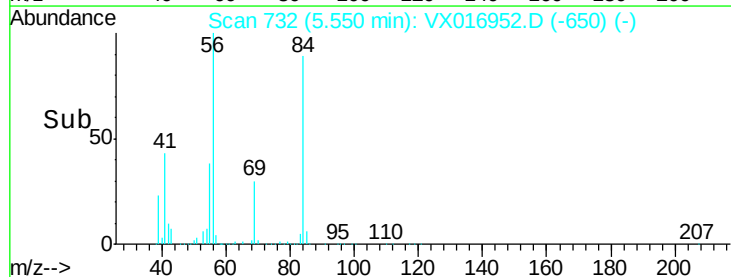
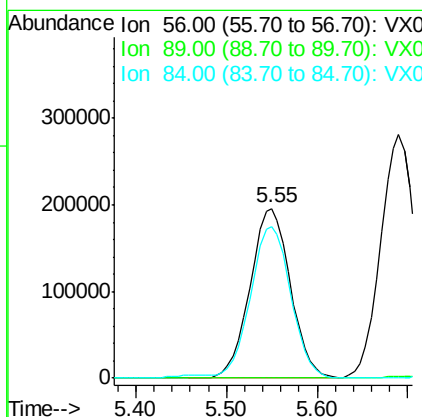
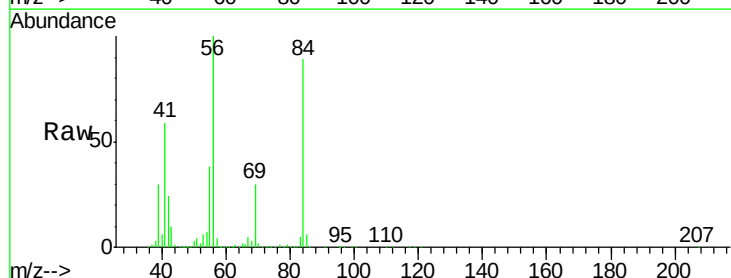
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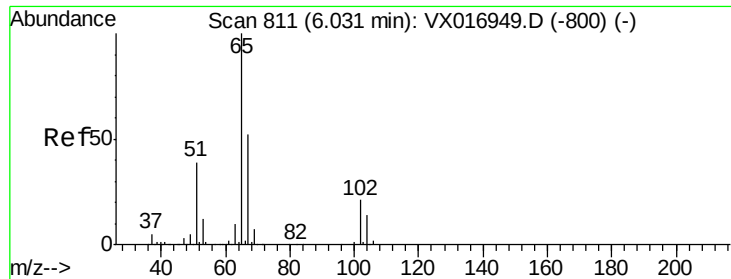
MMDadoda
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#26
Cyclohexane
Concen: 146.204 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ion	Ratio	Lower	Upper
56	56	100		
89	89	0.0	0.0	0.0#
84	84	89.8	69.0	103.6





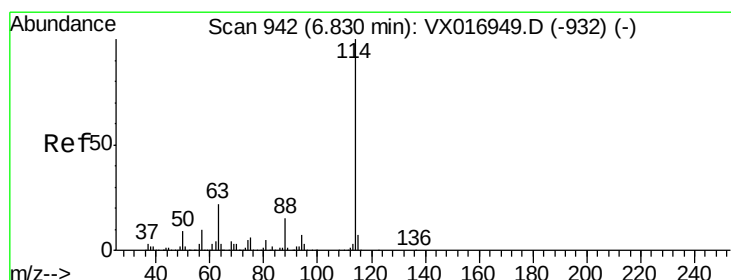
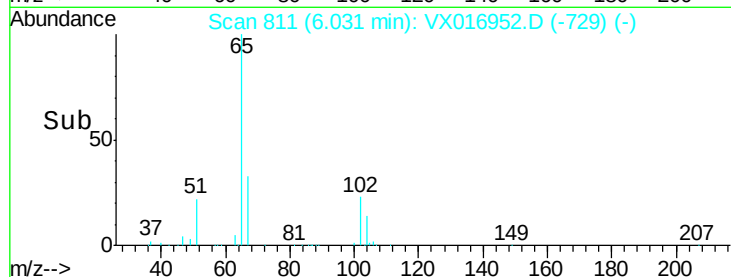
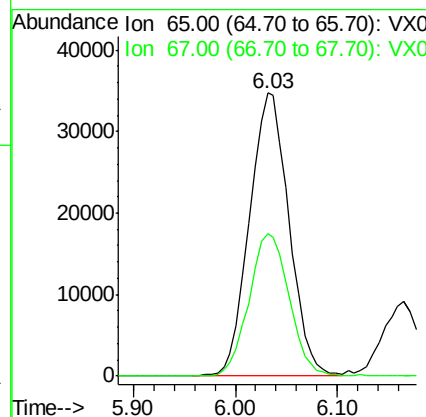
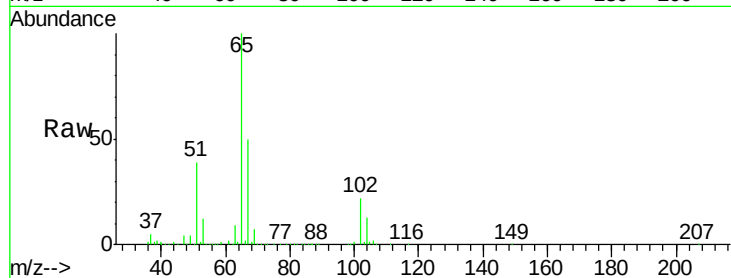
#27
 1,2-Dichloroethane-d4
 Concen: 30.165 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016952.D
 Acq: 25 Jun 2020 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	41.5	62.3

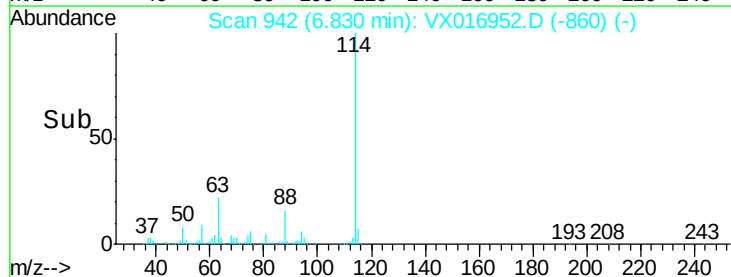
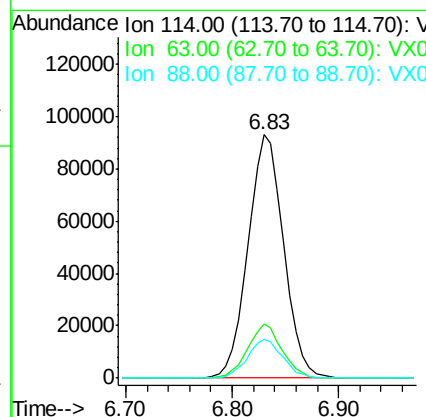
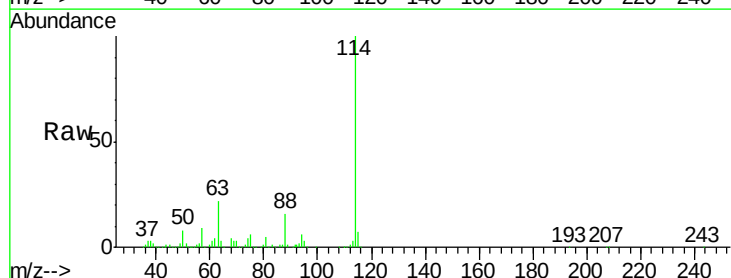
Manual Integrations
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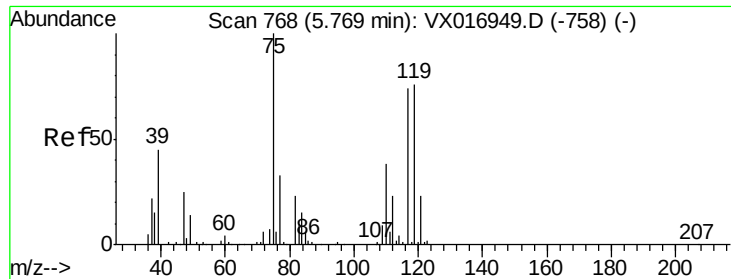
MMDadoda
 6/26/2020 3:33:57 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016952.D
 Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	17.4	26.2
88	15.8	13.0	19.6





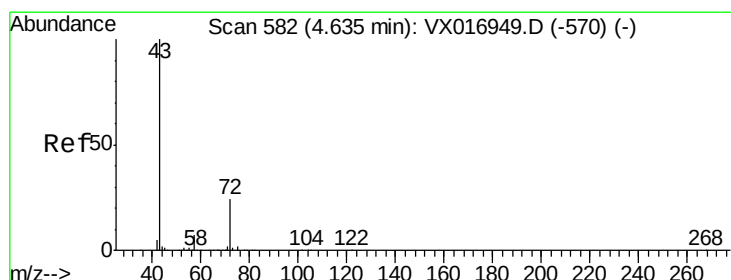
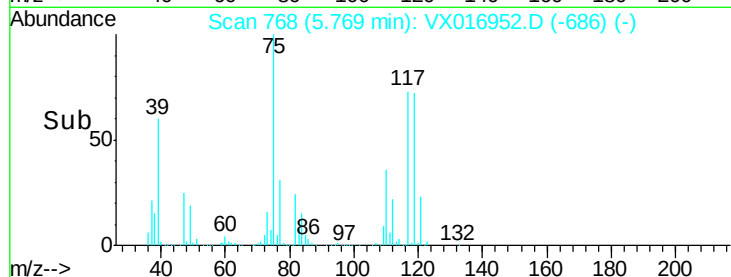
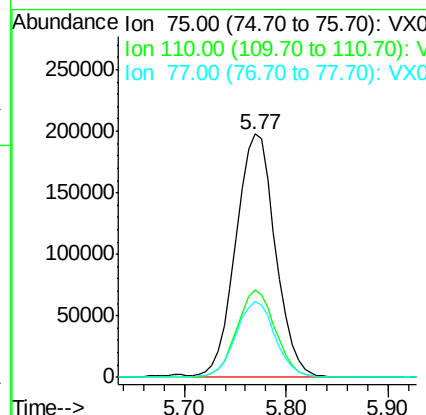
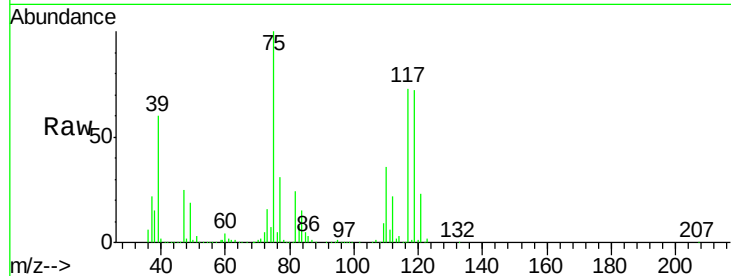
#29
 1,1-Dichloropropene
 Concen: 149.171 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX016952.D
 Acq: 25 Jun 2020 14:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.2	0.0	71.6	
77	31.1	0.0	64.0	

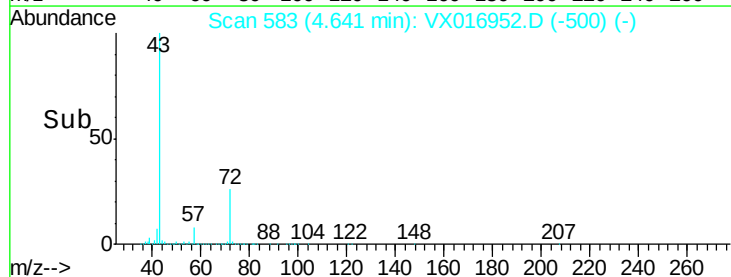
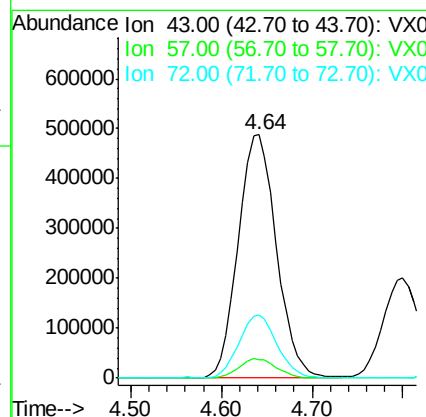
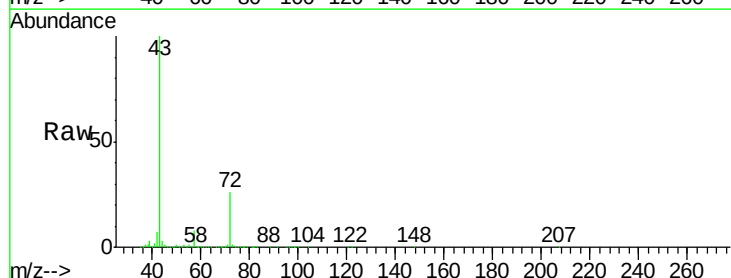
Manual Integrations
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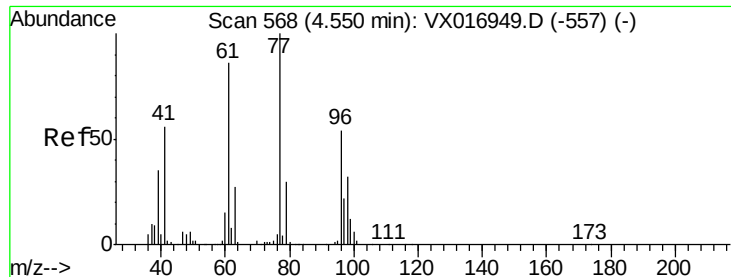
MMDadoda
 6/26/2020 3:33:57 PM



#30
 2-Butanone
 Concen: 768.180 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VX016952.D
 Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.0	6.2	9.4	
72	25.7	20.6	31.0	





#31

2,2-Dichloropropane

Concen: 145.945 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 595158

Ion Ratio Lower Upper

77 100

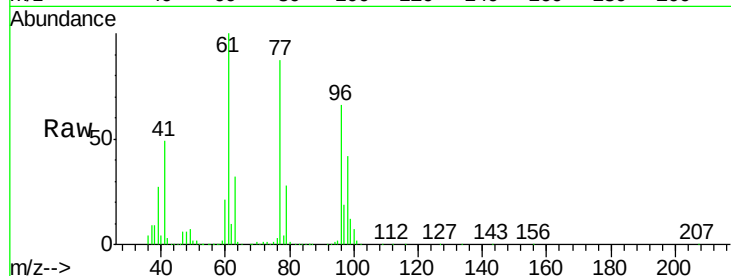
97 22.3 18.5 27.7

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

4.56

200000

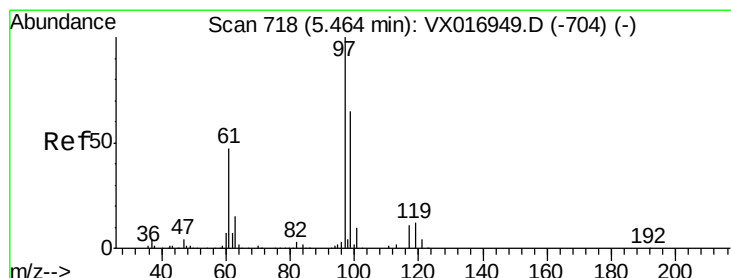
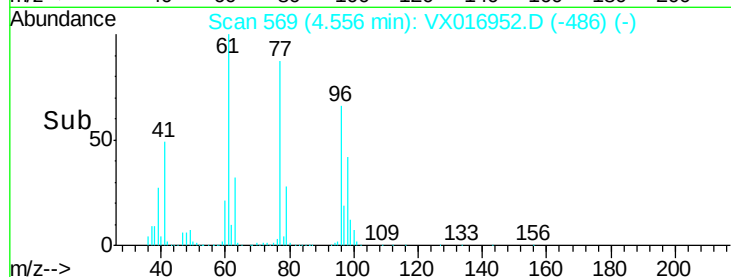
150000

100000

50000

0

Time-->



#32

1,1,1-Trichloroethane

Concen: 149.564 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

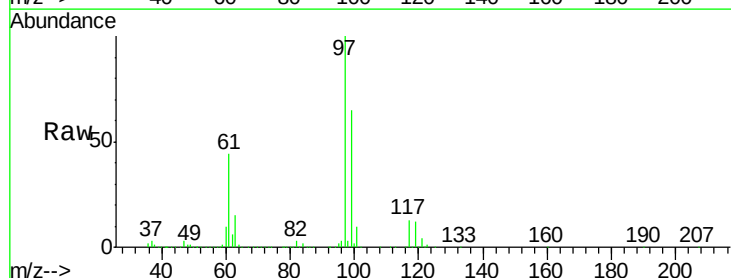
Tgt Ion: 97 Resp: 643510

Ion Ratio Lower Upper

97 100

99 63.8 52.2 78.2

61 44.6 36.9 55.3



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

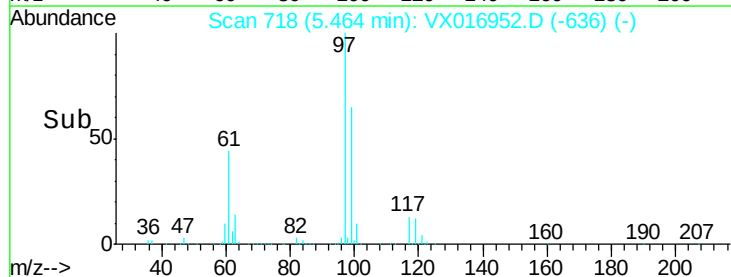
150000

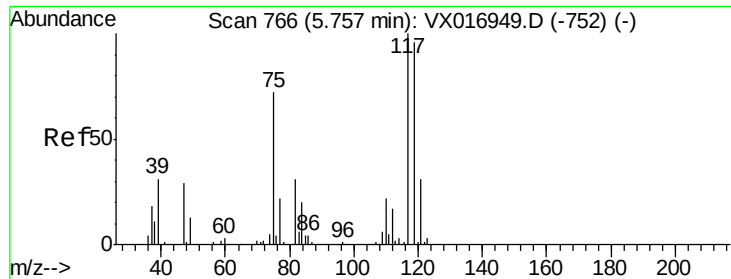
100000

50000

0

Time-->





#33

Carbon Tetrachloride

Concen: 149.893 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

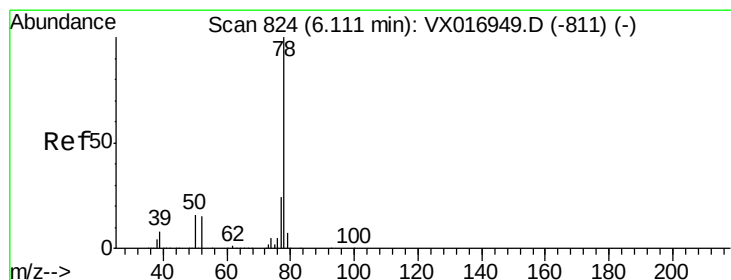
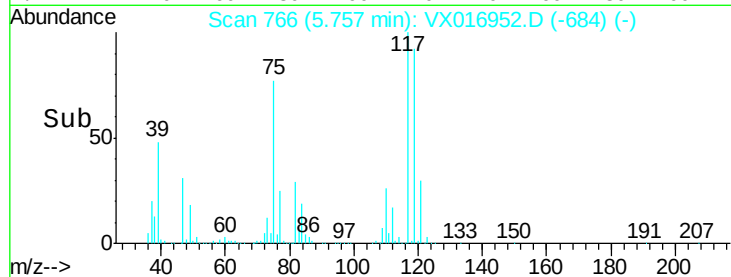
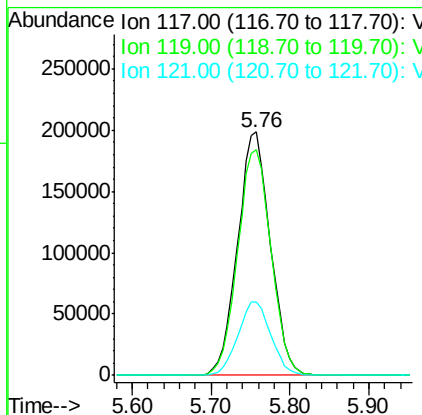
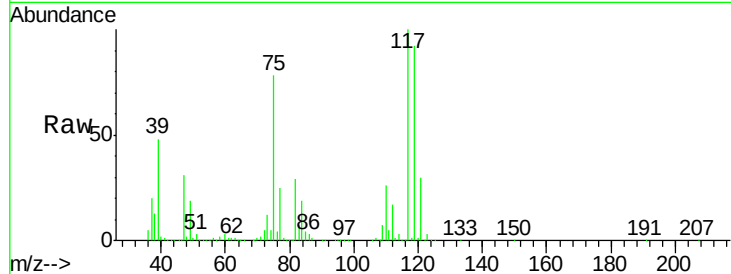
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	571940
Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.0	115.4
121	30.3	25.0	37.4

Manual Integrations
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#34

Benzene

Concen: 148.927 ug/l

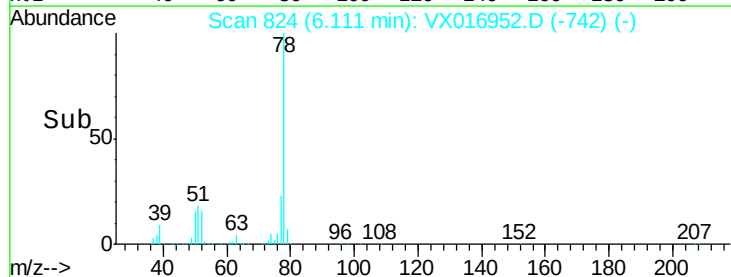
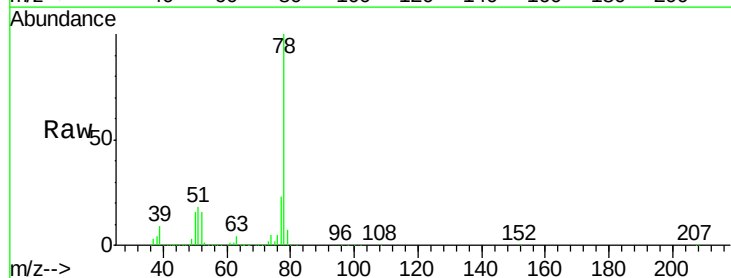
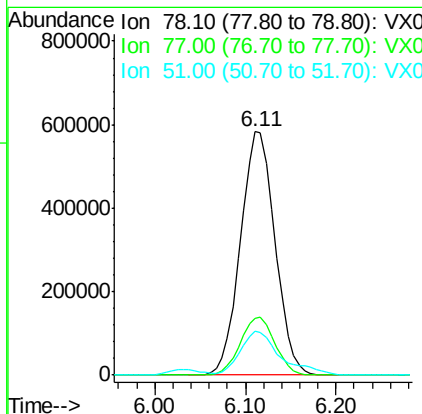
RT: 6.11 min Scan# 824

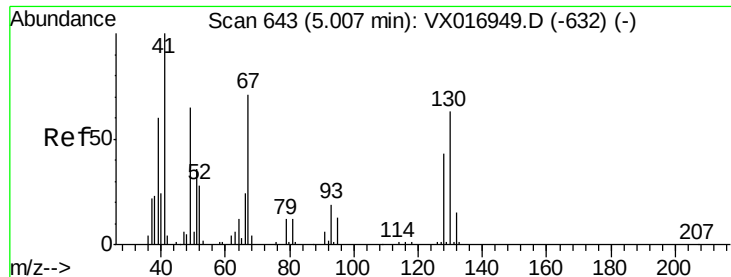
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	78	Resp:	1541929
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6
51	17.7	12.8	19.2





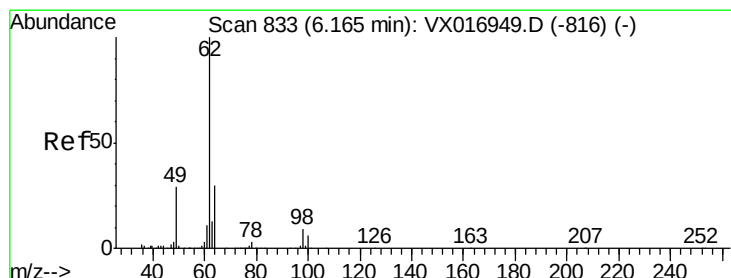
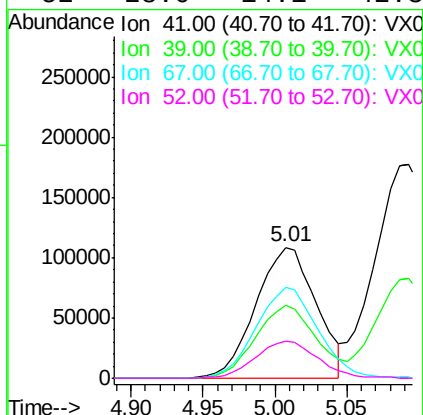
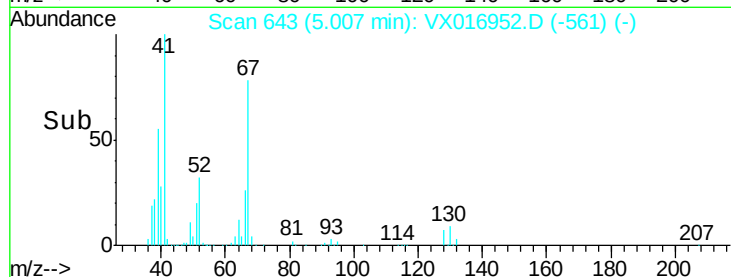
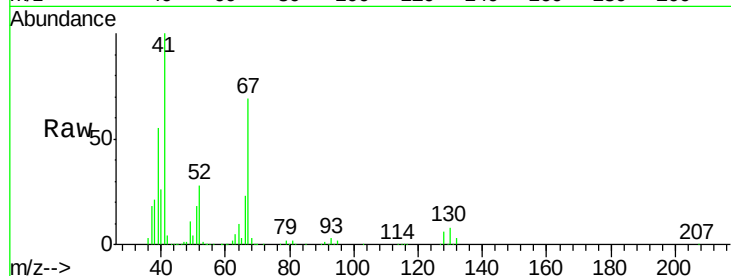
#35
Methacrylonitrile
Concen: 153.147 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	29.8	89.5	
67	69.2	35.3	105.9	
52	28.0	14.1	42.3	

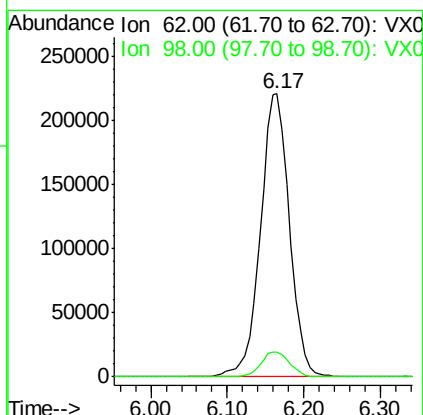
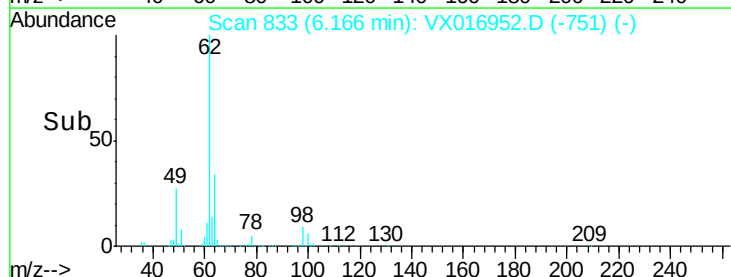
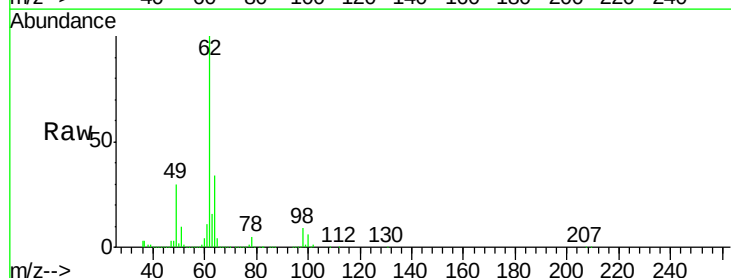
Manual Integrations
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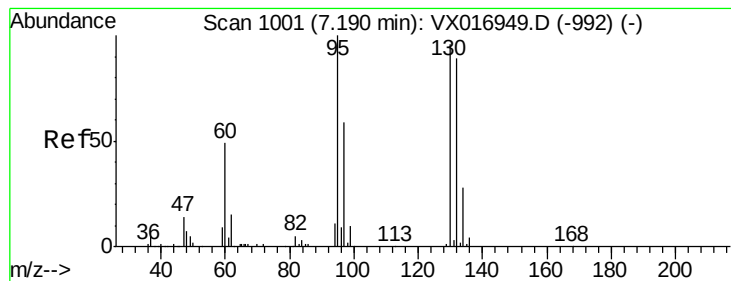
MMDadoda
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#36
1,2-Dichloroethane
Concen: 146.849 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	7.6	11.4	





#37

Trichloroethene

Concen: 147.764 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 417460

Ion Ratio Lower Upper

130 100

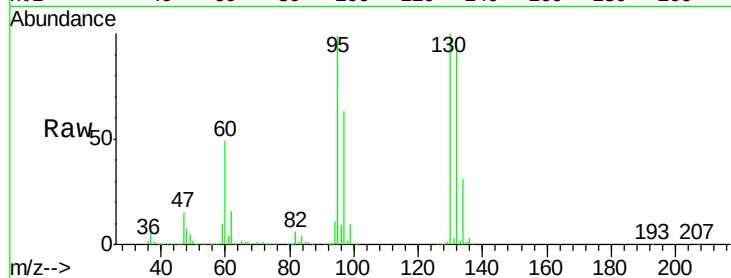
95 98.6 83.1 124.7

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

200000

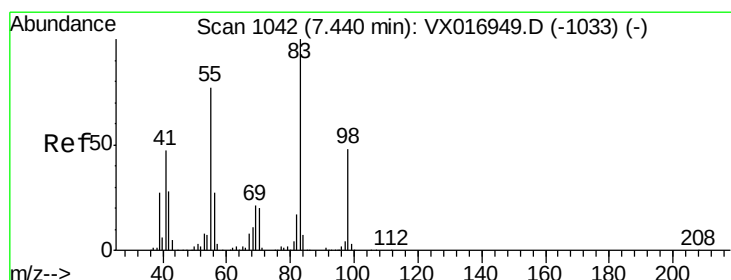
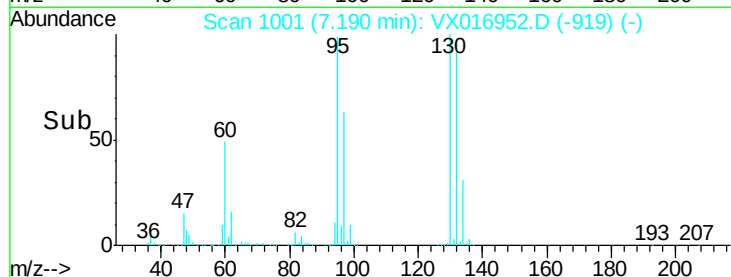
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 149.620 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

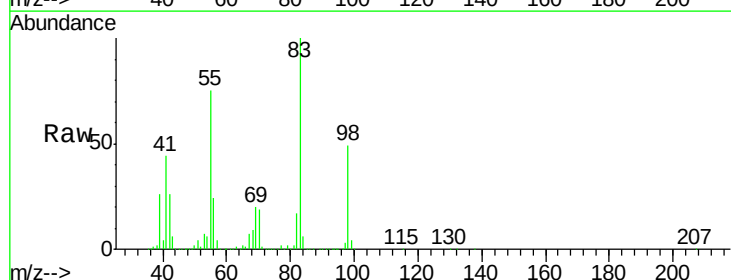
Tgt Ion: 83 Resp: 605869

Ion Ratio Lower Upper

83 100

55 76.2 38.1 114.5

98 49.4 24.6 73.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.44

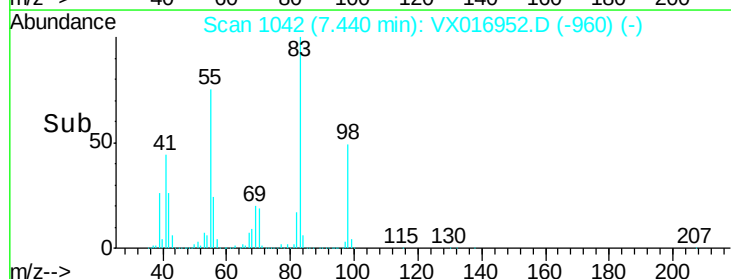
300000

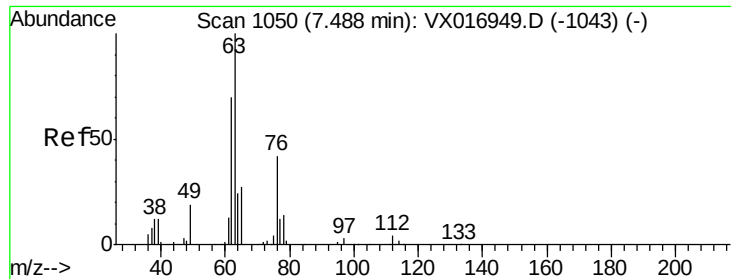
200000

100000

0

Time-->





#39

1,2-Dichloropropane

Concen: 148.178 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 399693

Ion Ratio Lower Upper

63 100

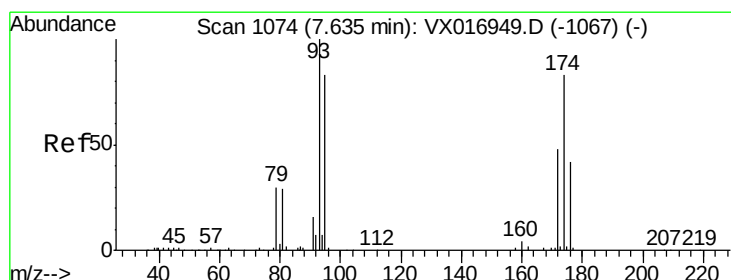
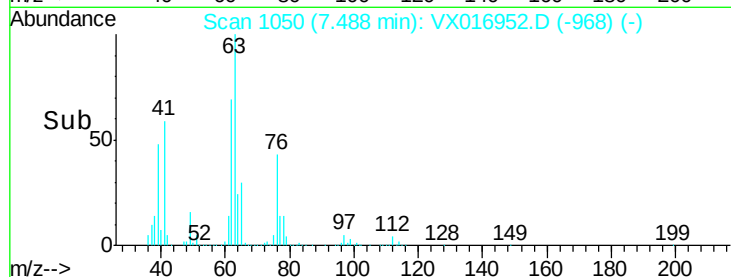
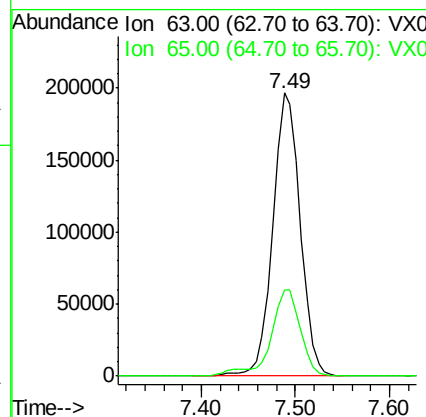
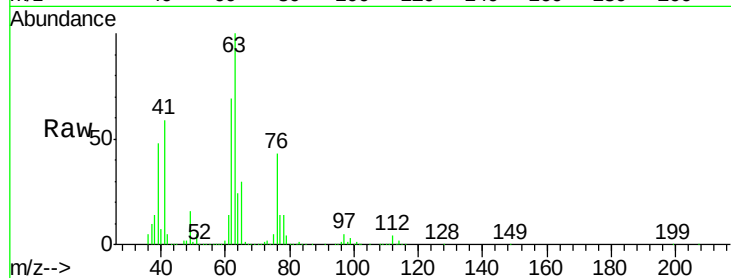
65 30.3 22.8 34.2

Manual Integrations

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#40

Dibromomethane

Concen: 150.053 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

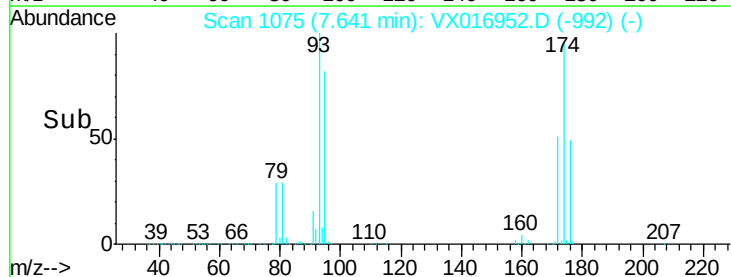
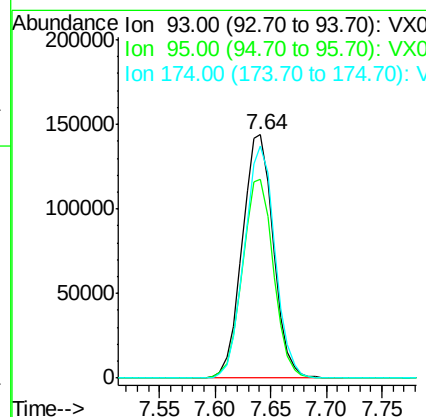
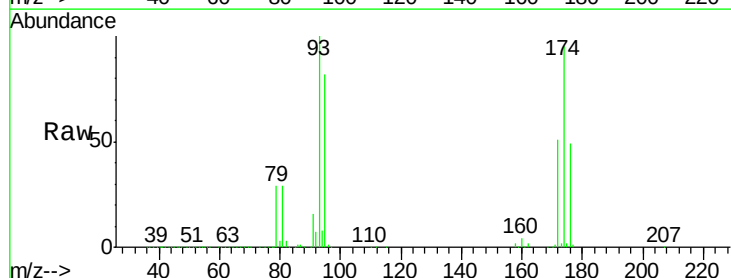
Tgt Ion: 93 Resp: 278956

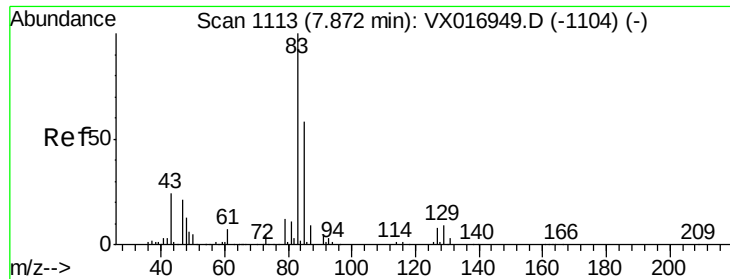
Ion Ratio Lower Upper

93 100

95 81.6 0.0 165.4

174 94.5 0.0 192.0





#41

Bromodichloromethane

Concen: 151.264 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

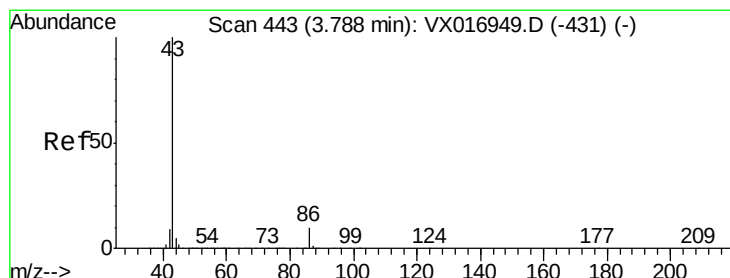
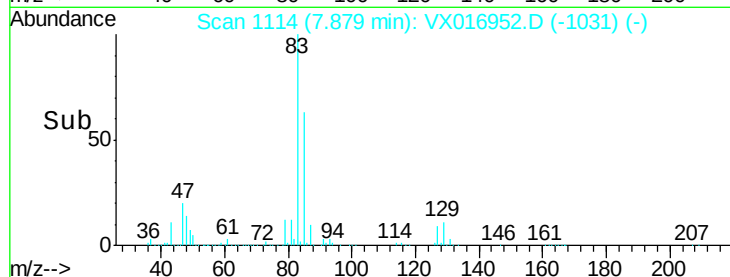
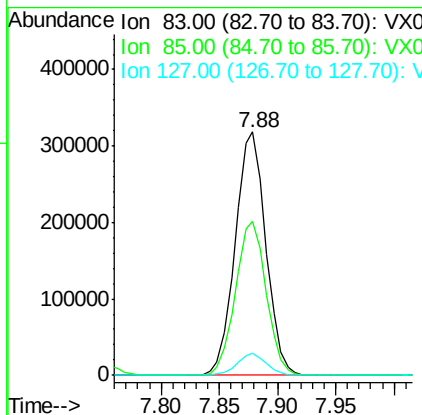
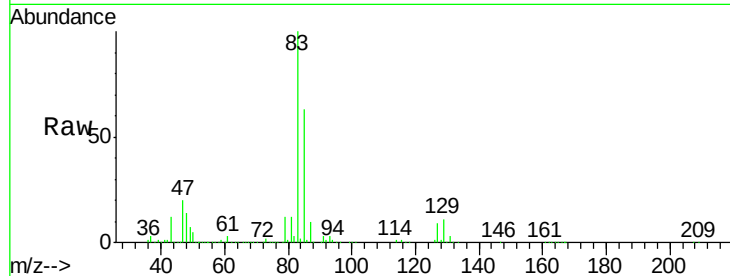
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	582303
Ion Ratio	Lower	Upper	
83	100		
85	63.3	46.7	70.1
127	8.9	6.5	9.7

Manual Integrations
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#42

Vinyl Acetate

Concen: 772.515 ug/l

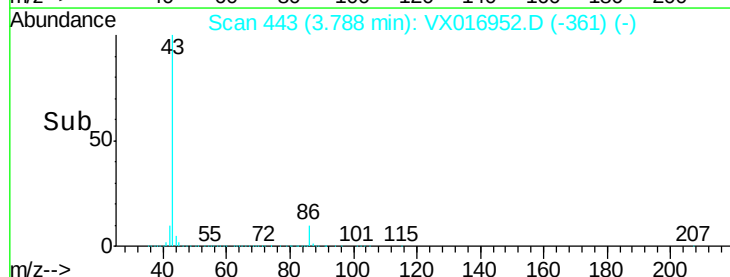
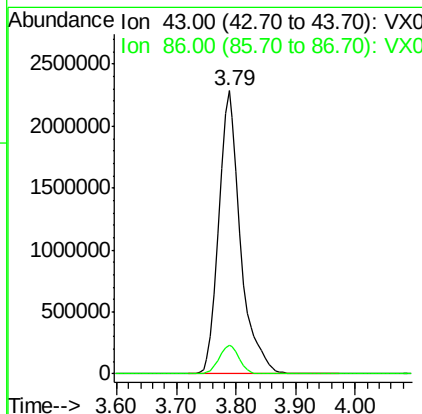
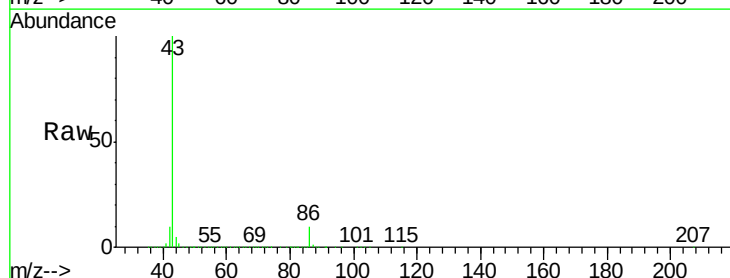
RT: 3.79 min Scan# 443

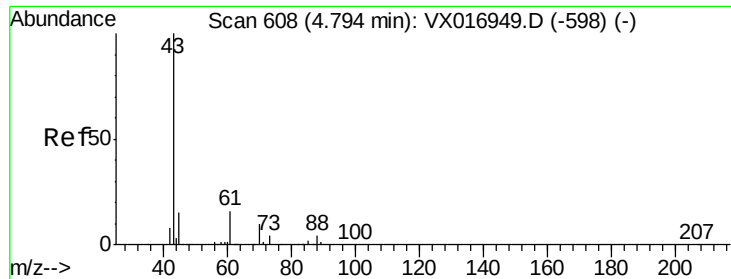
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	43	Resp:	5769833
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.4	11.2





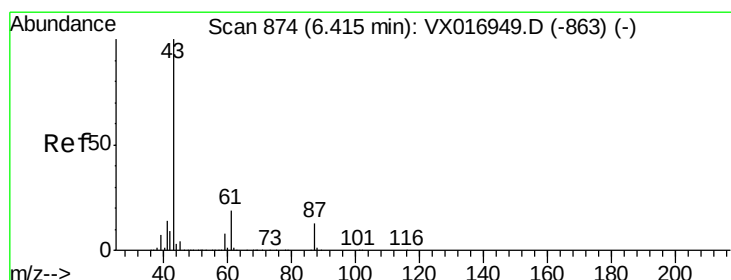
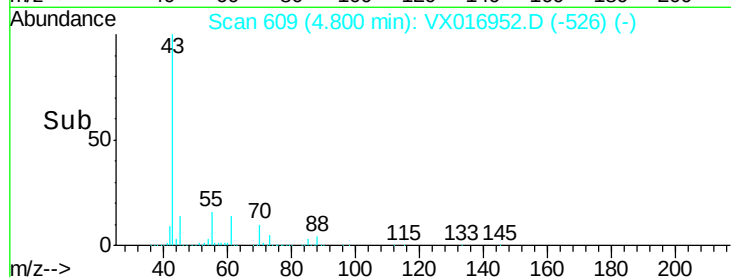
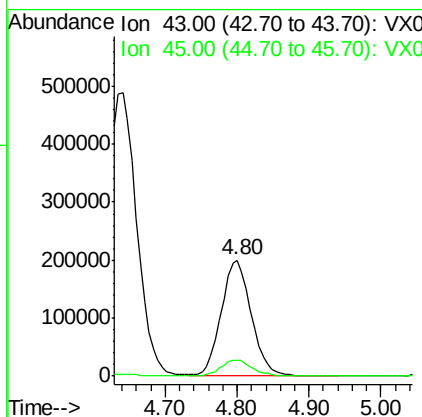
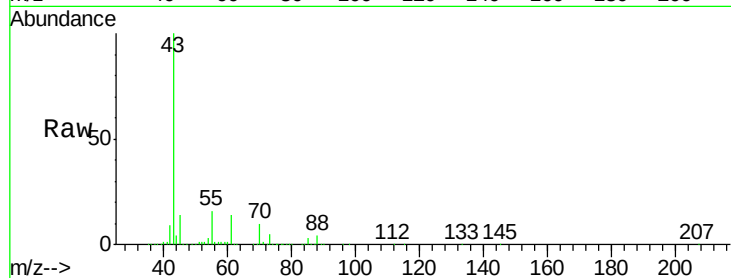
#43
Ethyl Acetate
Concen: 152.140 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 582605
Ion Ratio Lower Upper
43 100
45 14.4 11.8 17.6

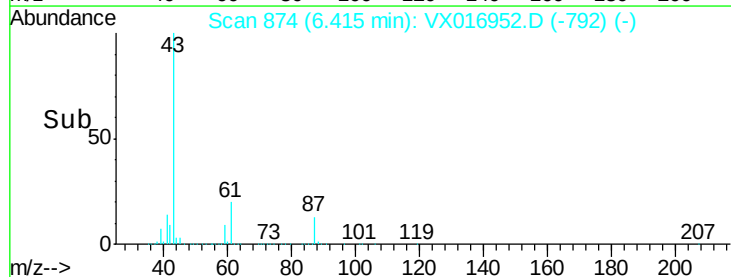
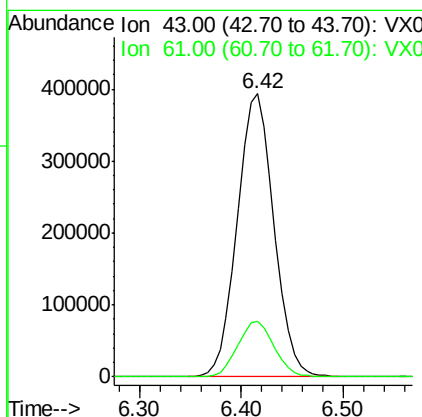
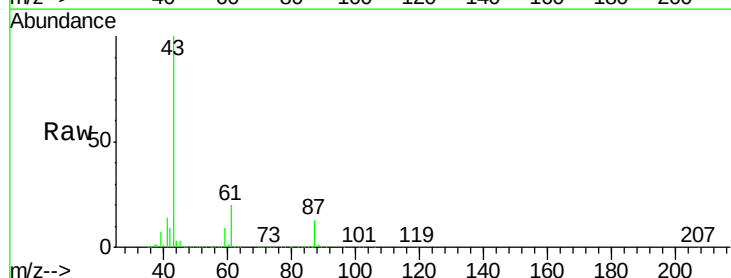
Manual Integrations
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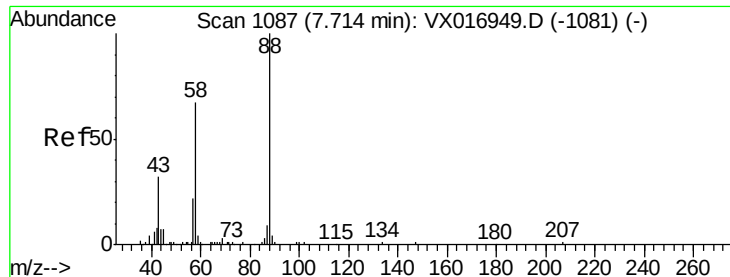
MMDadoda
6/26/2020 3:33:57 PM



#44
Isopropyl Acetate
Concen: 154.504 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion: 43 Resp: 977712
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.2





#45

1,4-Dioxane

Concen: 3050.546 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

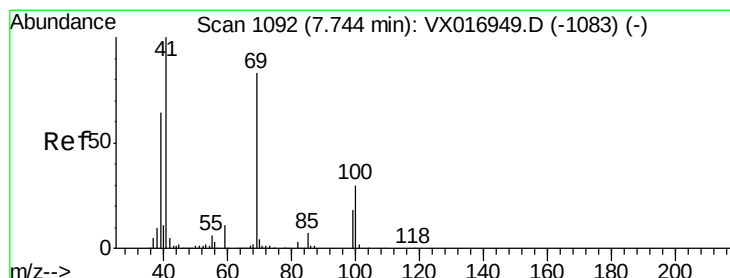
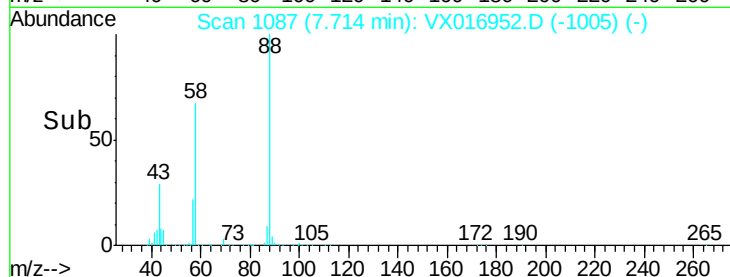
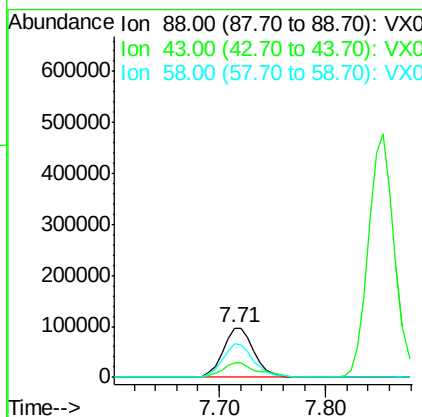
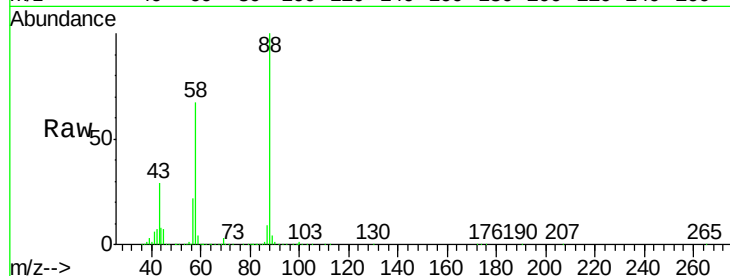
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	194748
Ion	Ratio	Lower	Upper
88	100		
43	33.1	28.9	43.3
58	68.8	56.7	85.1

Manual Integrations
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#46

Methyl methacrylate

Concen: 160.732 ug/l

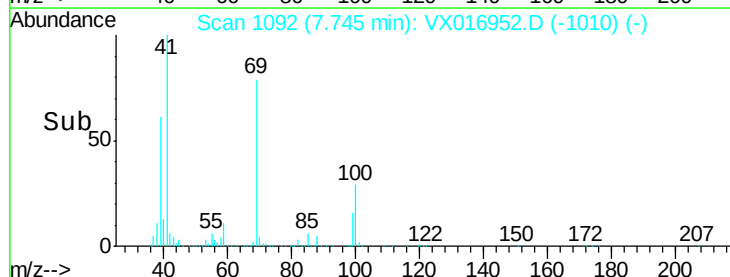
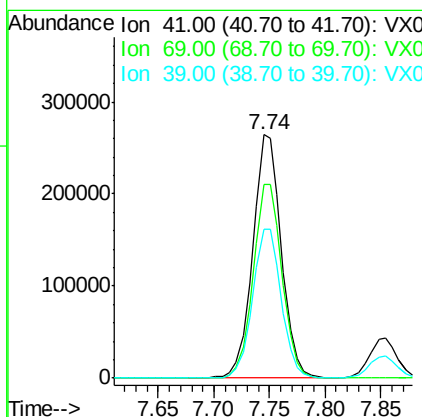
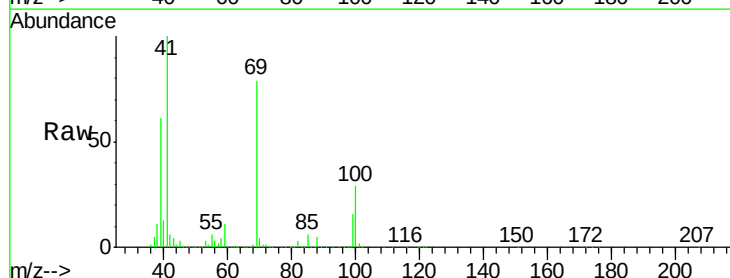
RT: 7.74 min Scan# 1092

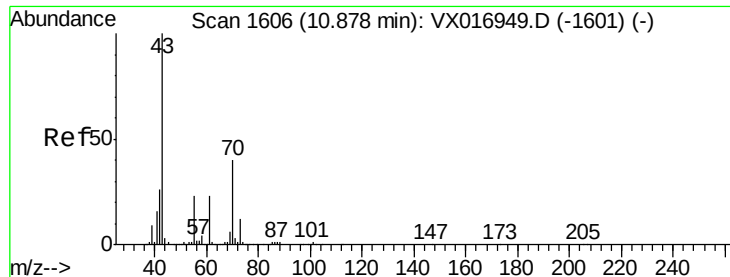
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	41	Resp:	470700
Ion	Ratio	Lower	Upper
41	100		
69	79.4	41.3	123.9
39	61.3	32.0	96.2





#47

n-amvl Acetate

Concen: 161.976 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 906002

Ion Ratio Lower Upper

43 100

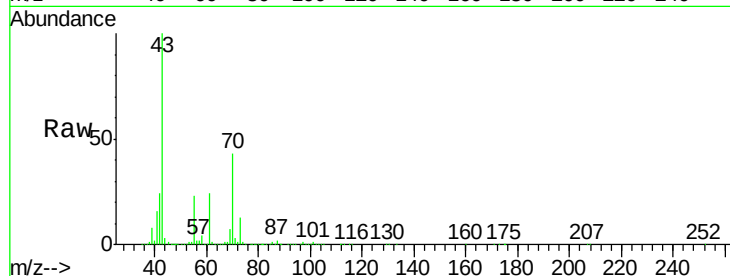
55 22.3 18.6 27.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.88

800000

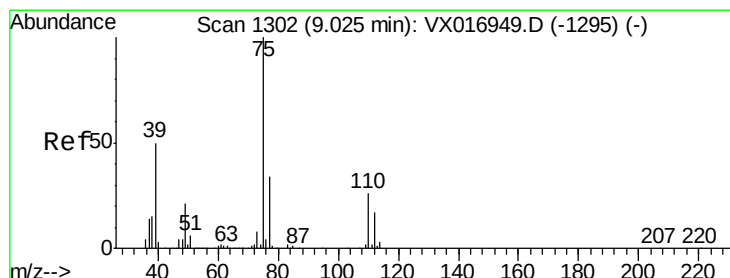
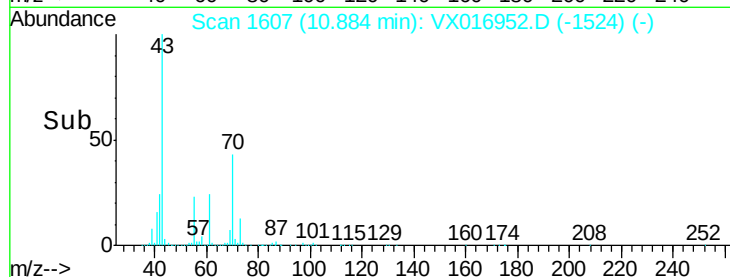
600000

400000

200000

0

Time--> 10.80 10.90 11.00



#48

t-1,3-Dichloropropene

Concen: 156.001 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016952.D

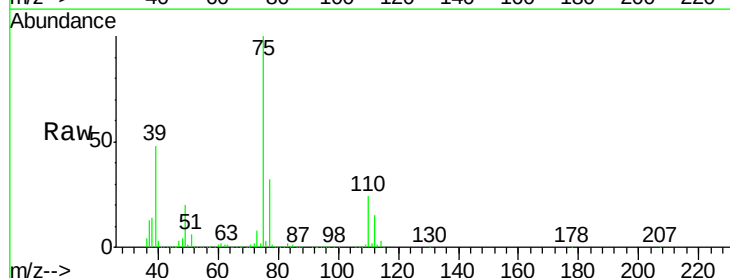
Acq: 25 Jun 2020 14:12

Tgt Ion: 75 Resp: 664003

Ion Ratio Lower Upper

75 100

77 31.9 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.02

500000

400000

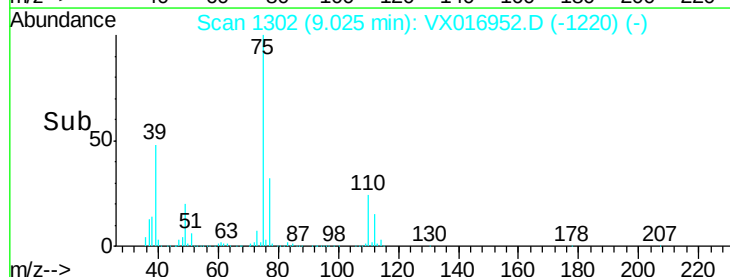
300000

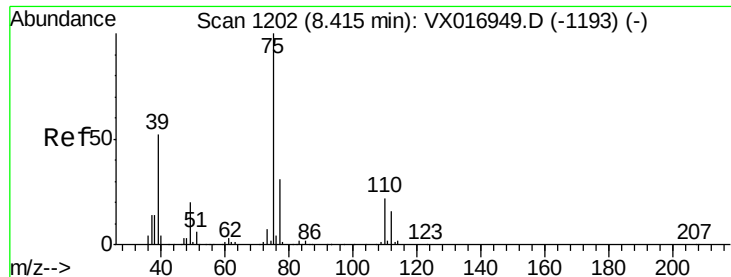
200000

100000

0

Time--> 8.95 9.00 9.05 9.10





#49

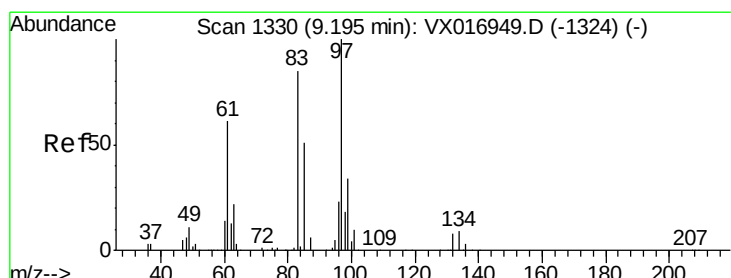
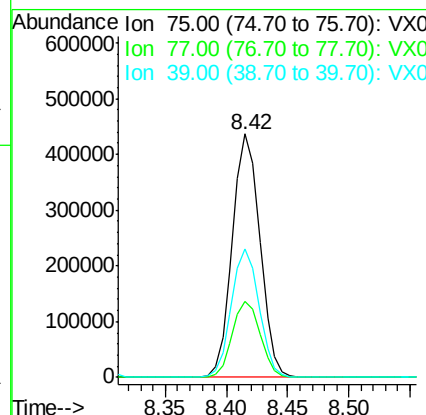
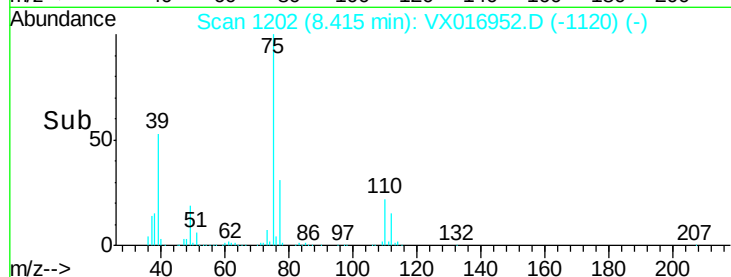
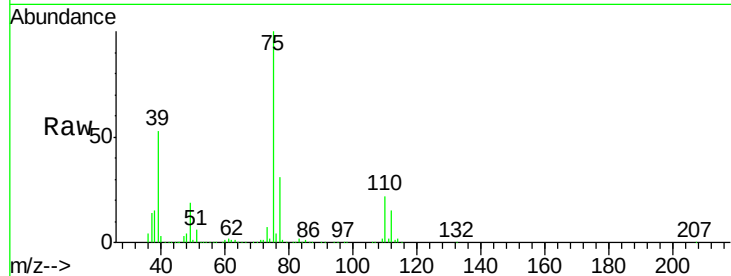
cis-1,3-Dichloropropene
Concen: 152.562 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	52.8	41.8	62.6

Manual Integrations
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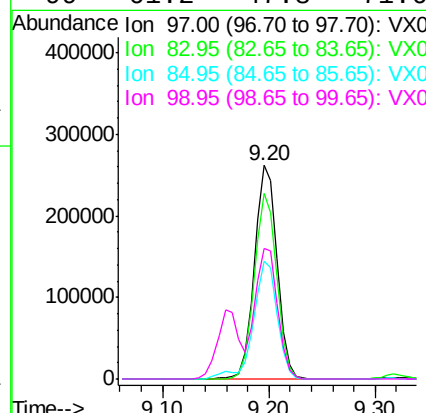
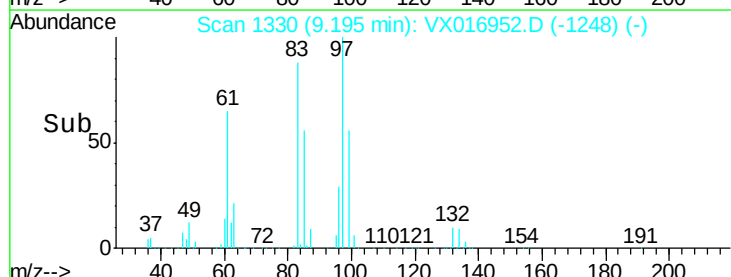
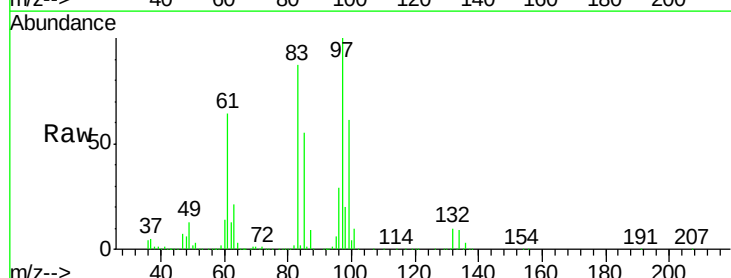
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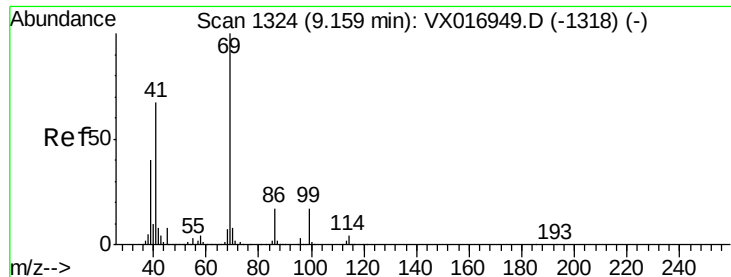


#50

1,1,2-Trichloroethane
Concen: 150.551 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	67.4	101.0
85	55.0	42.9	64.3
99	61.2	47.8	71.6





#51

Ethyl methacrylate

Concen: 164.267 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

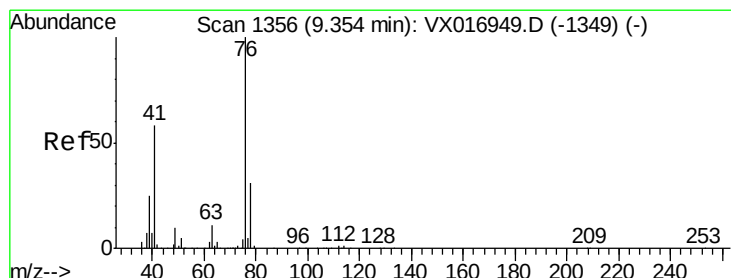
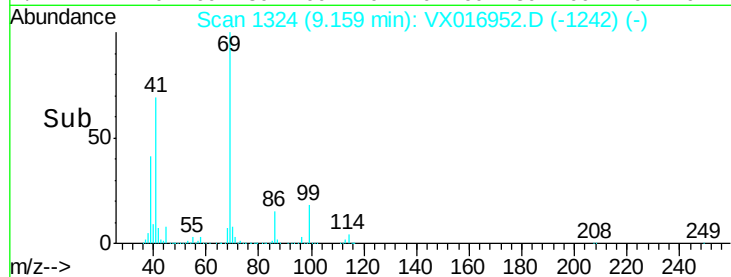
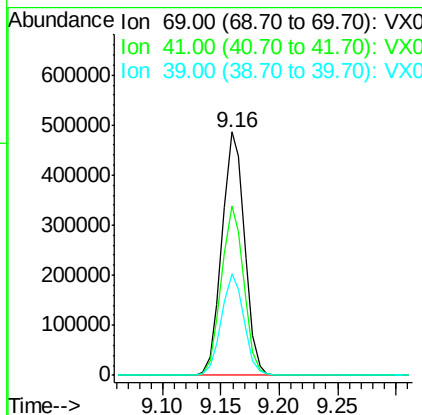
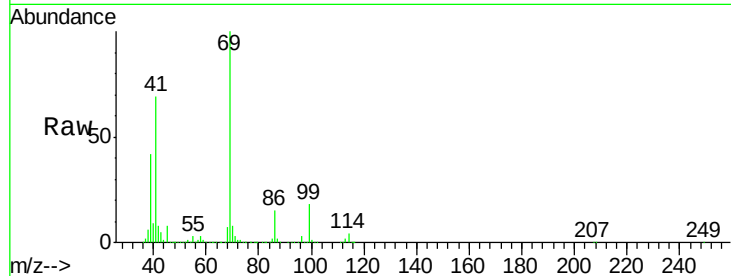
ClientSampleId :

VSTDICC150

Tot Ion:	69	Resp:	654065
Ion Ratio	Lower	Upper	
69	100		
41	69.3	33.7	101.1
39	41.6	19.9	59.7

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 149.666 ug/l

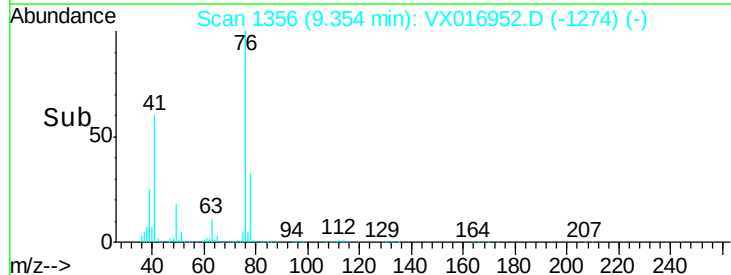
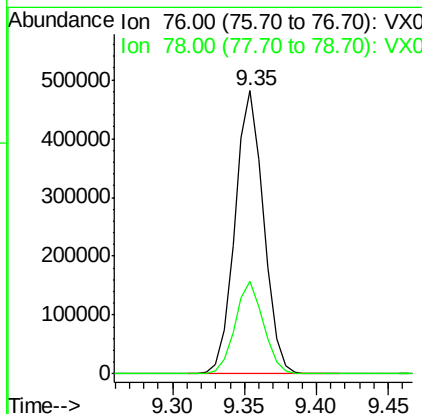
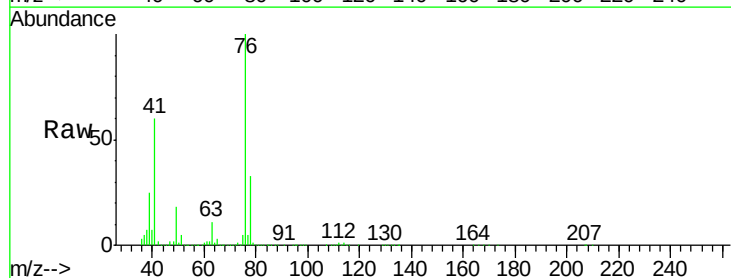
RT: 9.35 min Scan# 1356

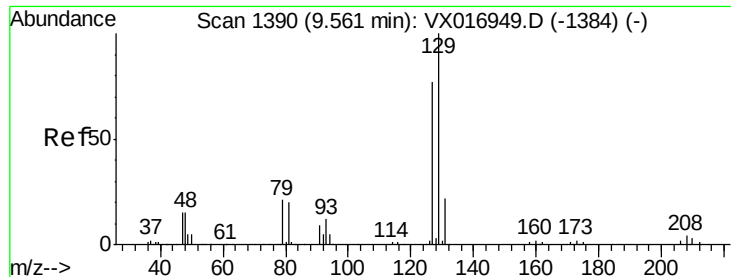
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	76	Resp:	666668
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	62.4





#53

Dibromochloromethane

Concen: 156.023 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 465270

Ion Ratio Lower Upper

129 100

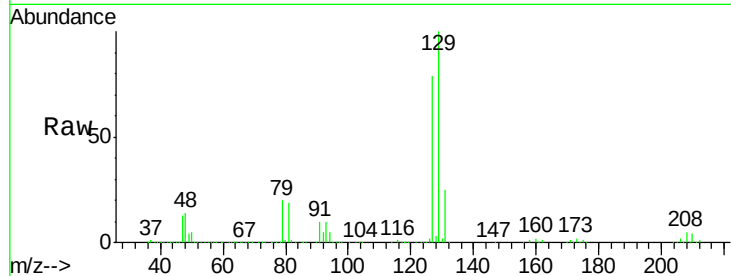
127 78.2 38.7 116.1

Manual Integrations

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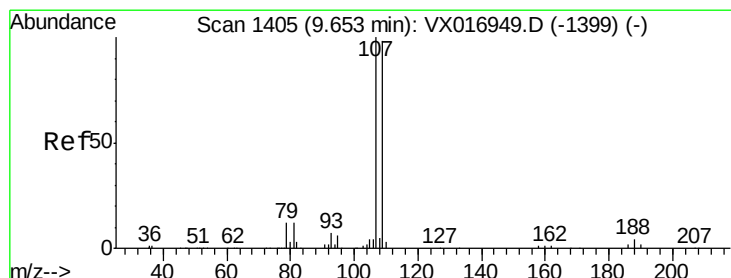
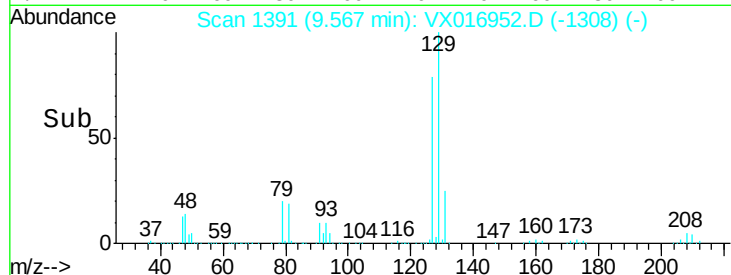
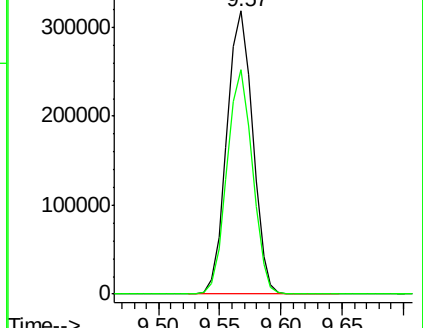
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 152.967 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016952.D

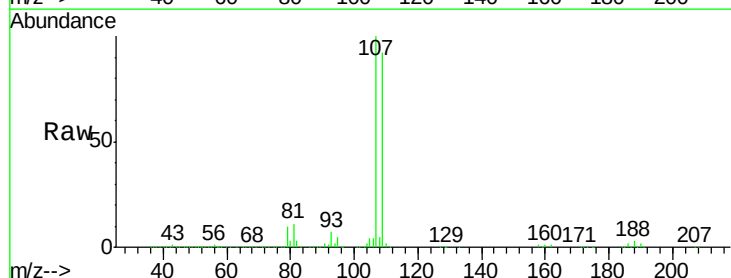
Acq: 25 Jun 2020 14:12

Tgt Ion:107 Resp: 421133

Ion Ratio Lower Upper

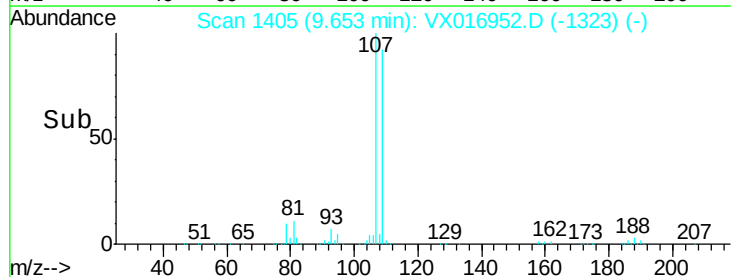
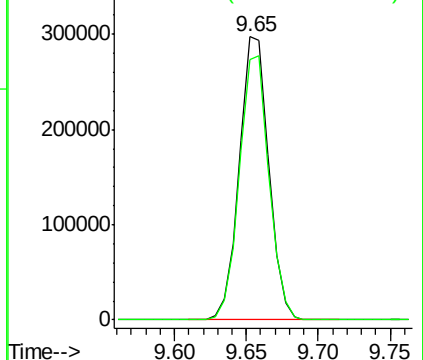
107 100

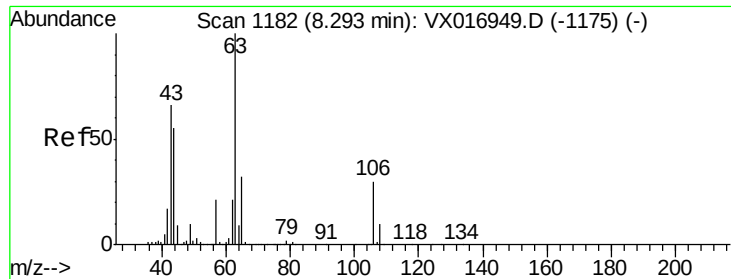
109 94.0 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 779.894 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1634128

Ion Ratio Lower Upper

63 100

65 32.2 25.9 38.9

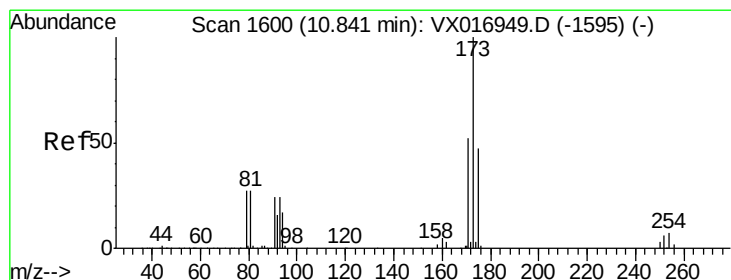
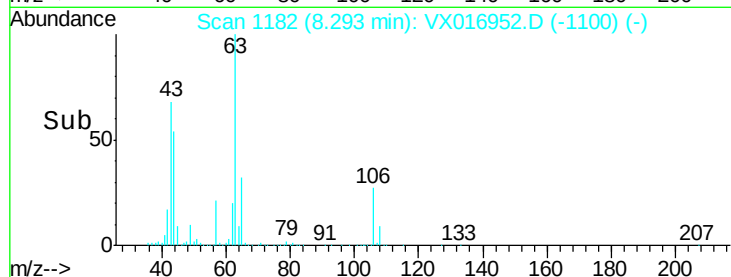
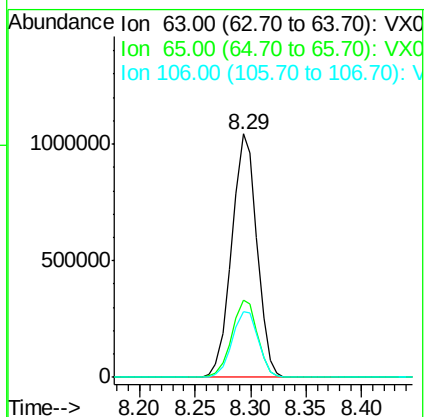
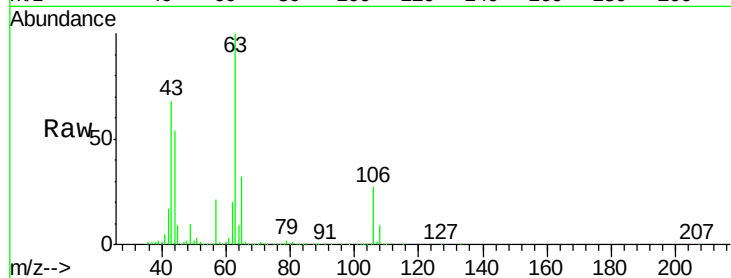
106 28.2 22.6 33.8

Manual Integrations

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#56

Bromoform

Concen: 164.019 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

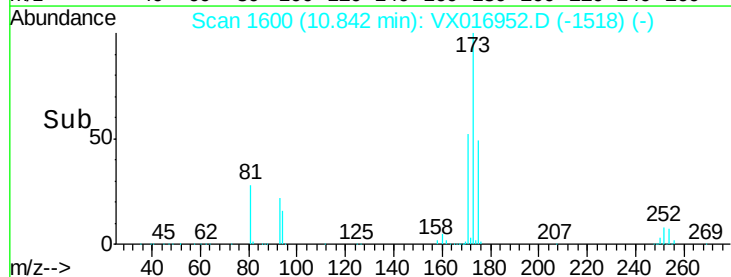
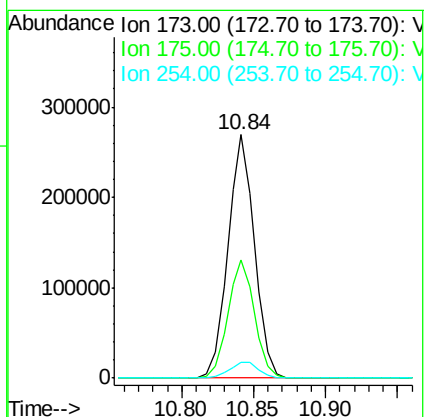
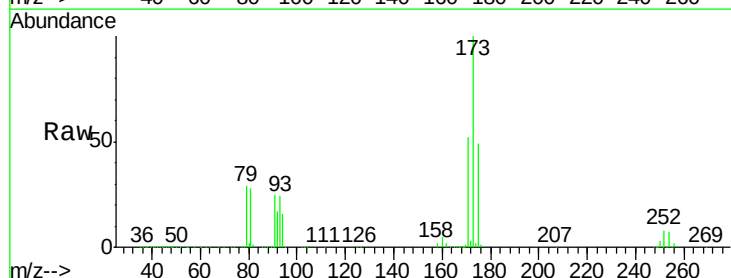
Tgt Ion:173 Resp: 347201

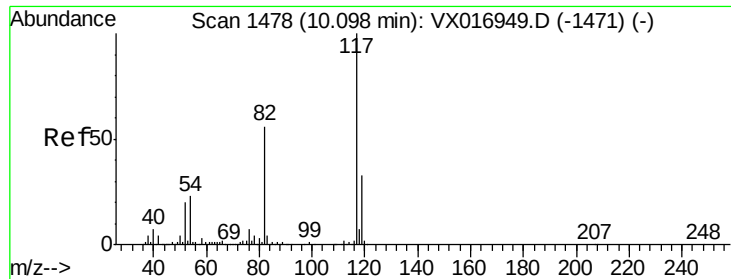
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 7.1 5.8 8.6





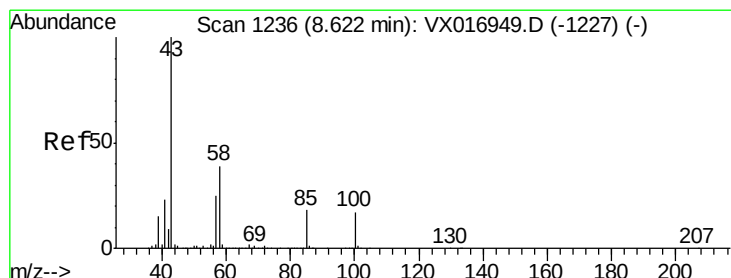
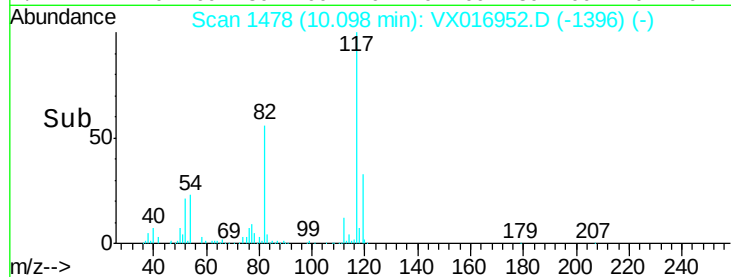
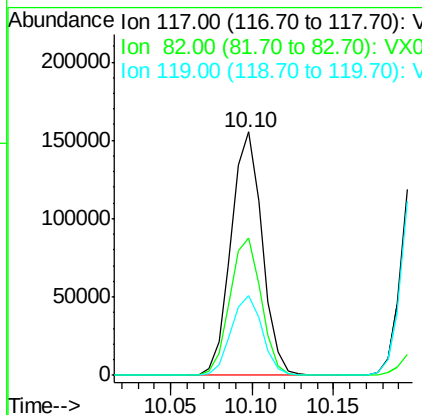
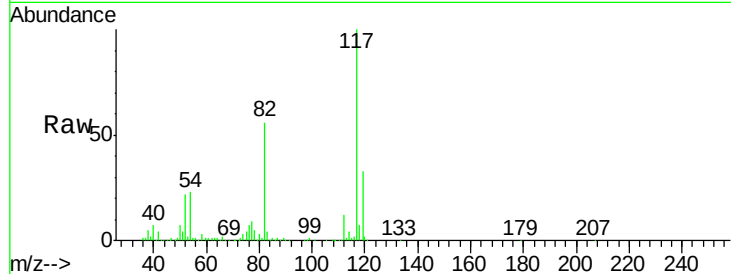
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.9	67.3
119	32.8	25.8	38.8

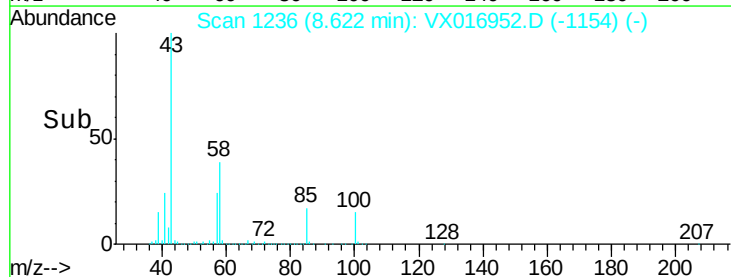
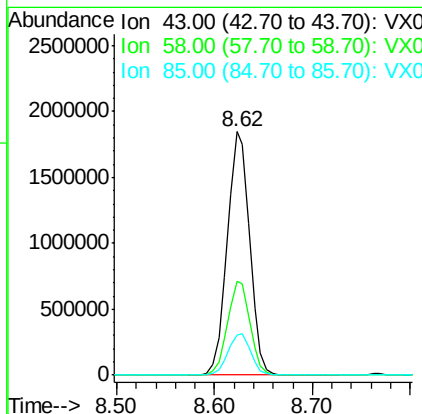
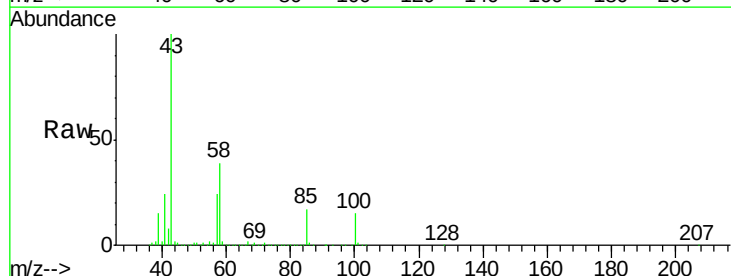
Manual Integrations
APPROVED

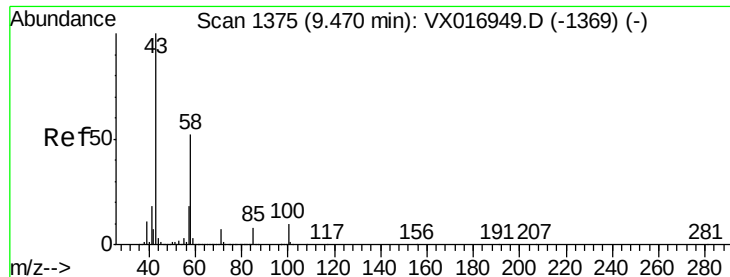
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 770.190 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.4	45.6
85	17.2	13.5	20.3





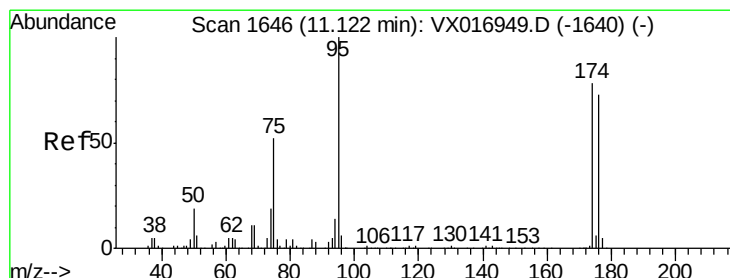
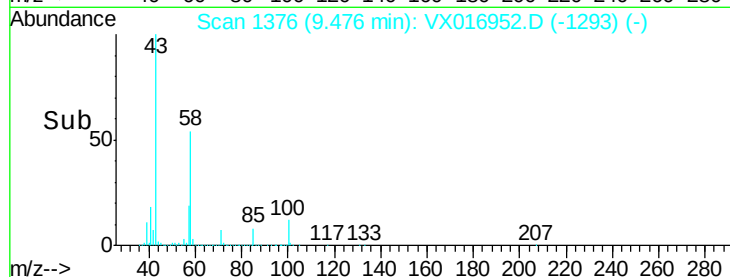
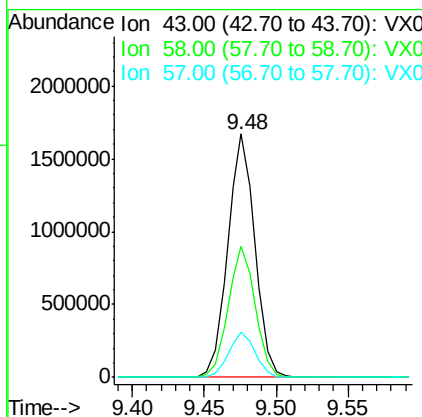
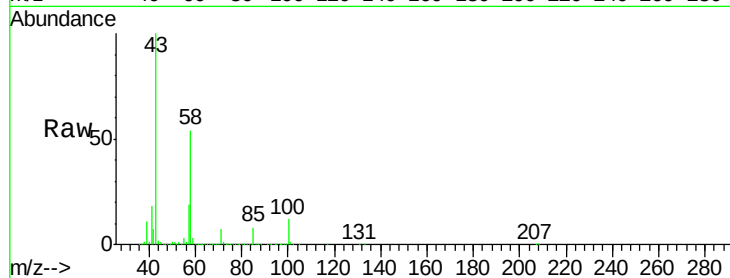
#59
2-Hexanone
Concen: 774.701 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2198700
Ion Ratio Lower Upper
43 100
58 53.8 42.3 63.5
57 18.6 14.1 21.1

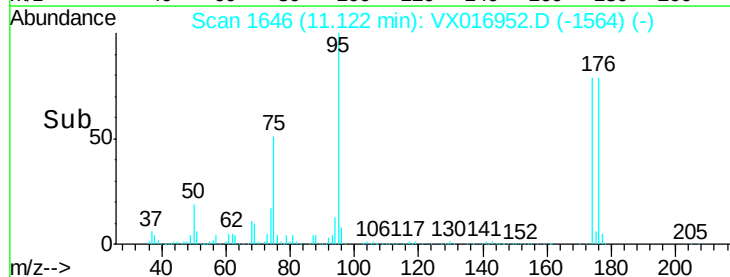
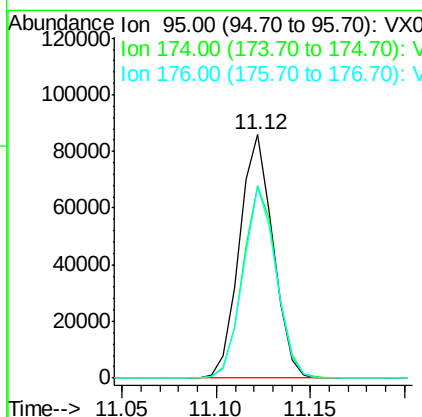
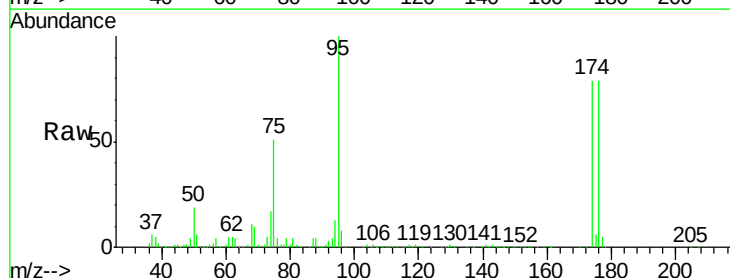
Manual Integrations
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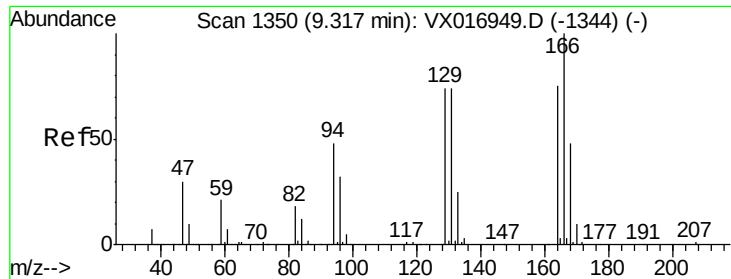
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.902 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion: 95 Resp: 106395
Ion Ratio Lower Upper
95 100
174 79.3 62.2 93.4
176 77.0 58.9 88.3





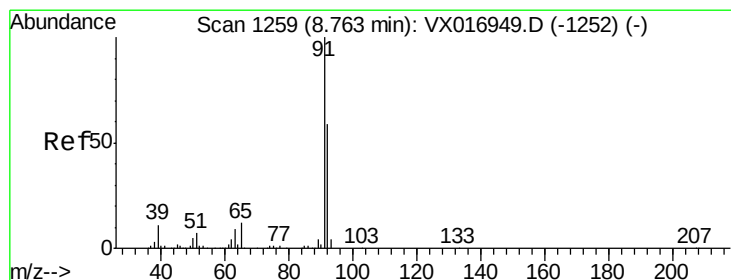
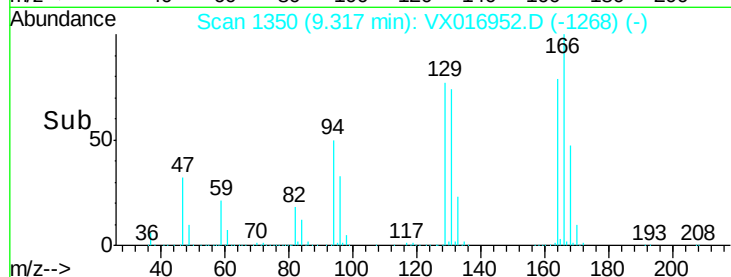
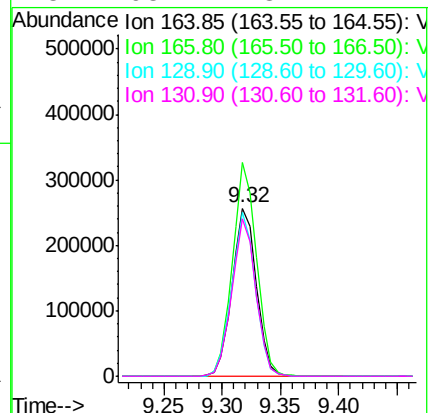
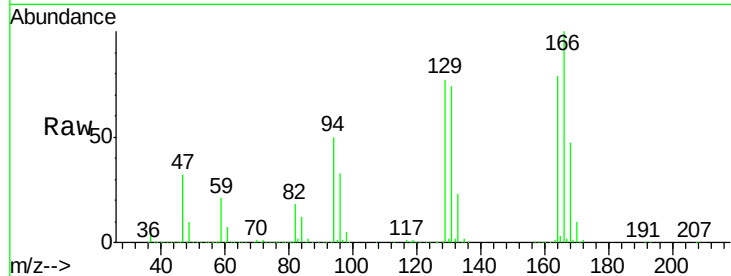
#61
Tetrachloroethene
Concen: 141.459 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	106.3	159.5
129	97.3	78.9	118.3
131	93.7	78.2	117.4

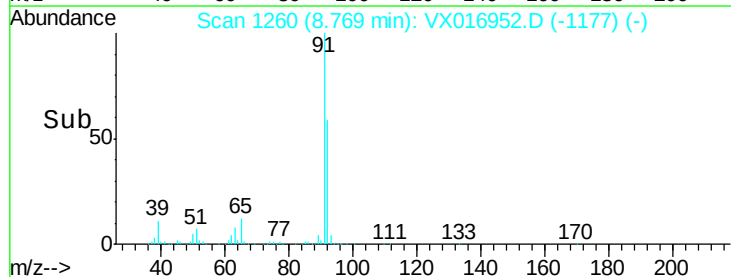
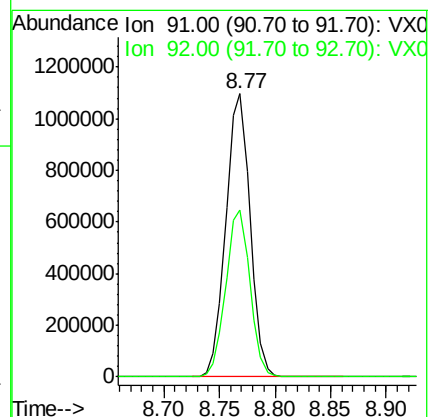
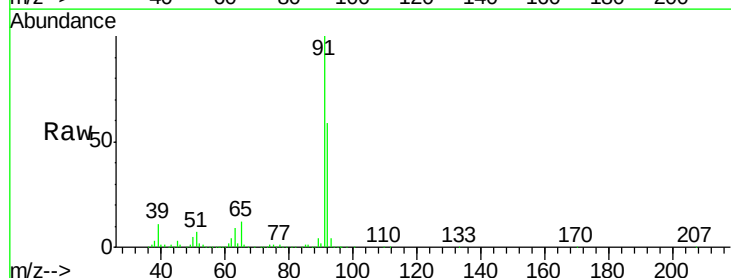
Manual Integrations
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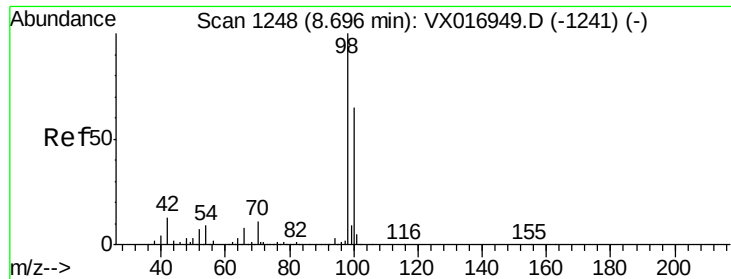
MMDadoda
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#62
Toluene
Concen: 146.193 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.0	46.8	70.2





#63

Toluene-d8

Concen: 29.579 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 98 Resp: 269186

Ion Ratio Lower Upper

98 100

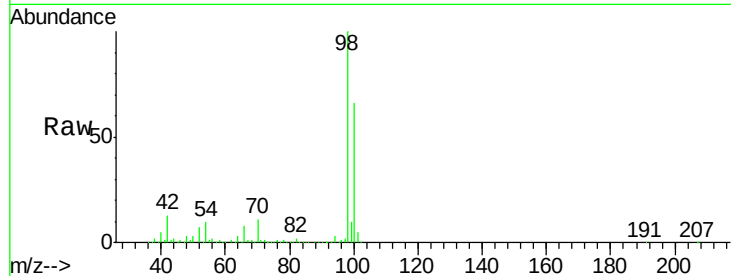
100 66.3 52.3 78.5

Manual Integrations

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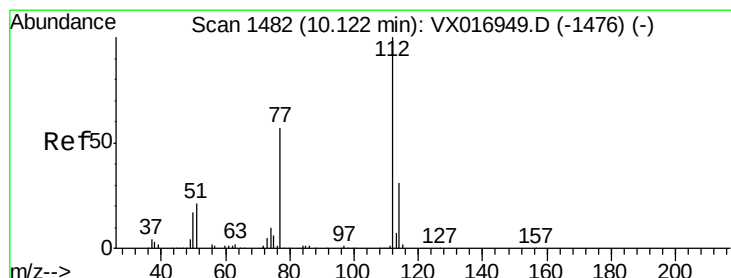
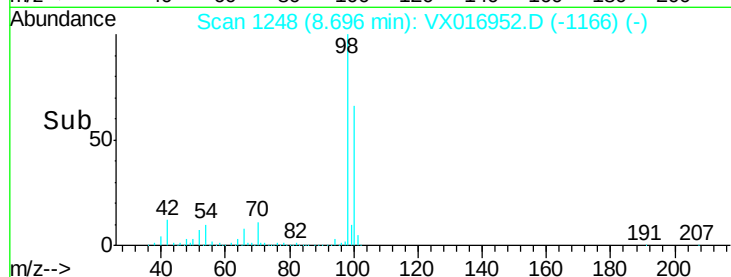
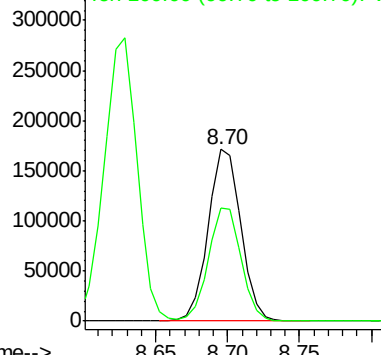
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 149.806 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016952.D

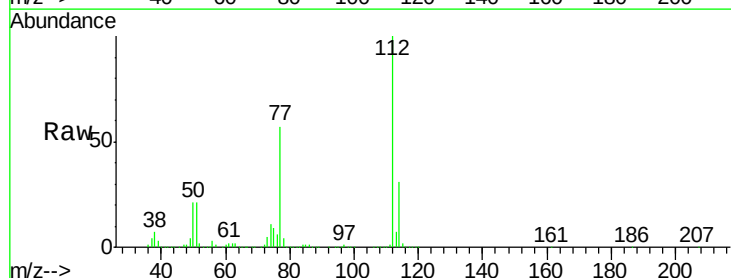
Acq: 25 Jun 2020 14:12

Tgt Ion: 112 Resp: 1059770

Ion Ratio Lower Upper

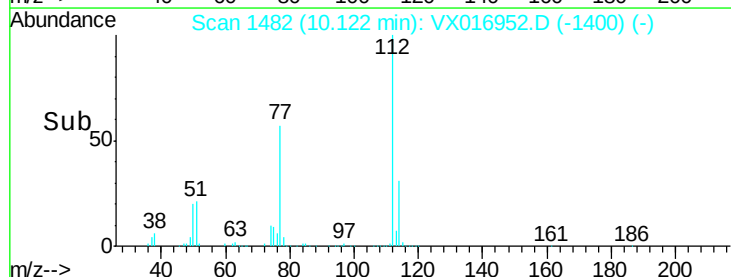
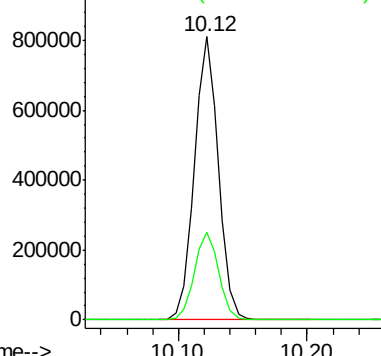
112 100

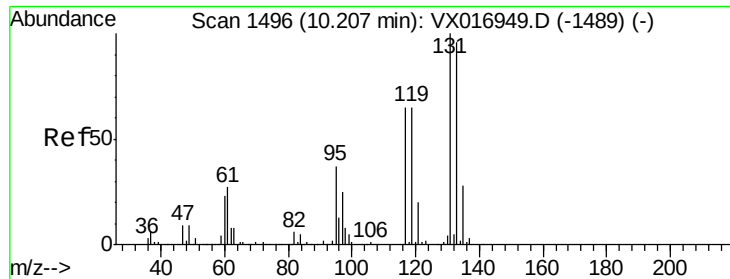
114 31.1 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 151.444 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

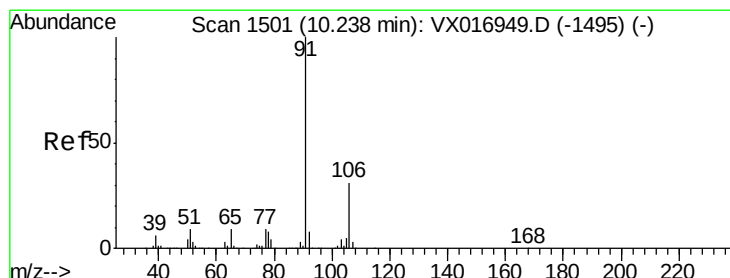
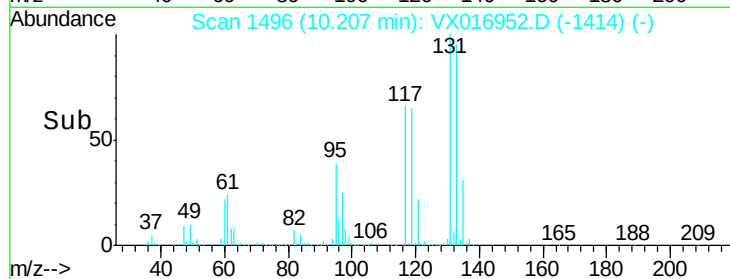
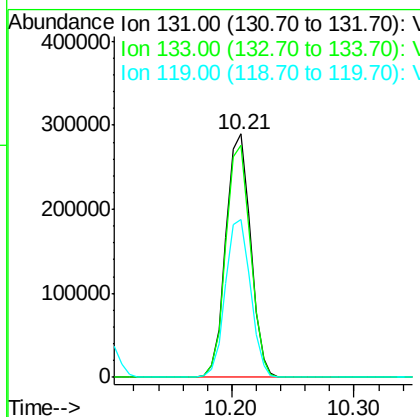
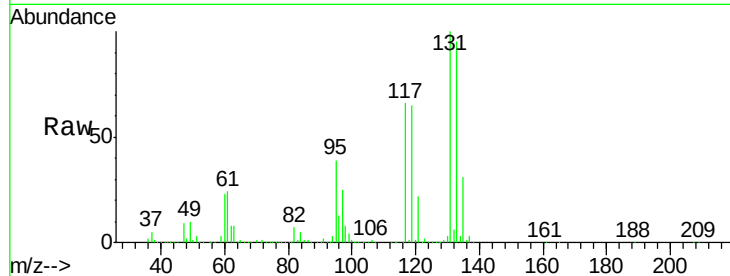
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	403322
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	190.2
119	66.0	0.0	133.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 150.620 ug/l

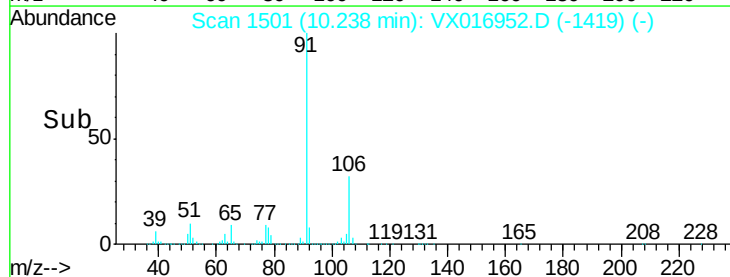
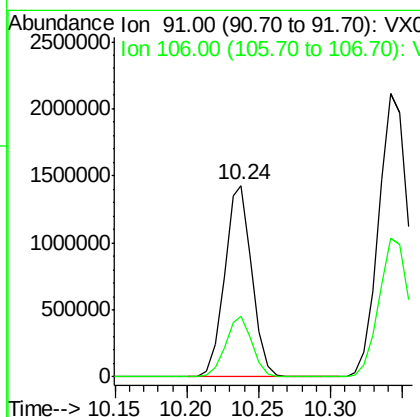
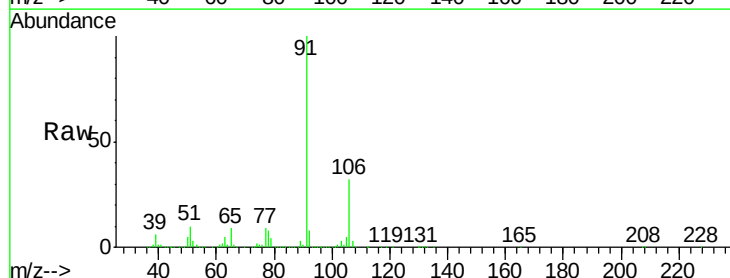
RT: 10.24 min Scan# 1501

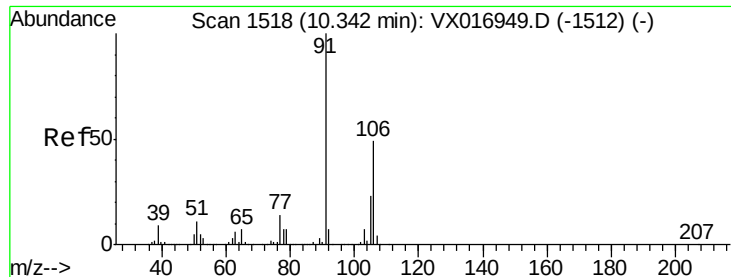
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	91	Resp:	1886067
Ion Ratio	Lower	Upper	
91	100		
106	31.7	24.8	37.2





#67

m/p-Xylenes

Concen: 304.995 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 1440723

Ion Ratio Lower Upper

106 100

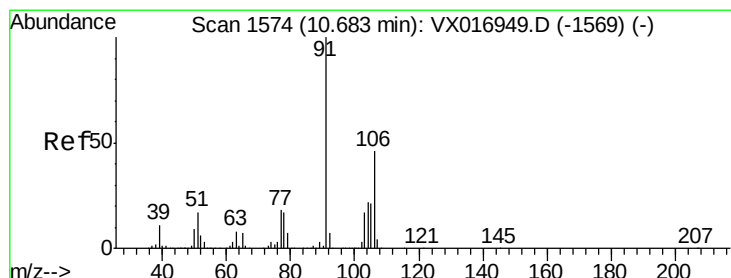
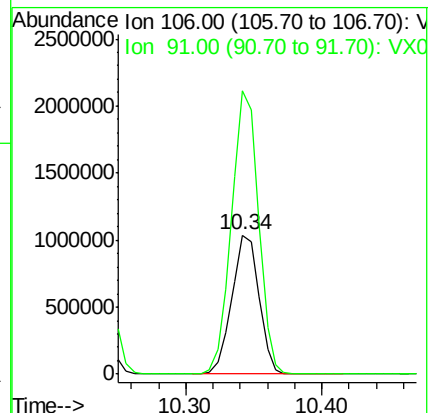
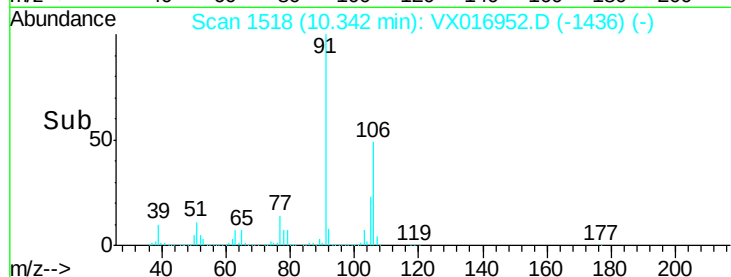
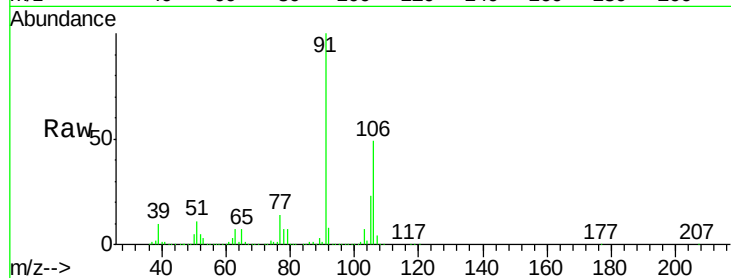
91 202.3 164.5 246.7

Manual Integrations

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#68

o-Xylene

Concen: 154.219 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016952.D

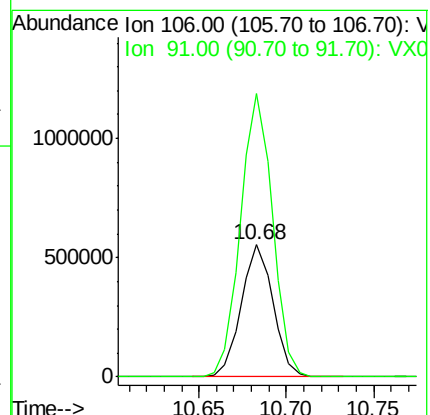
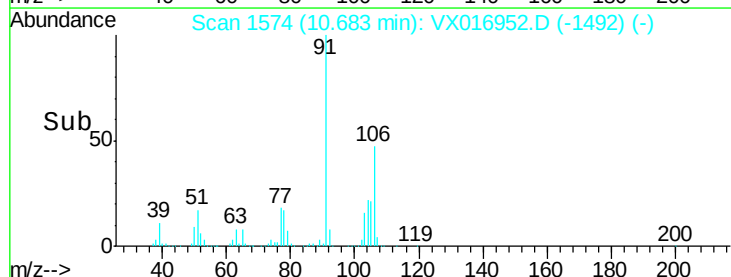
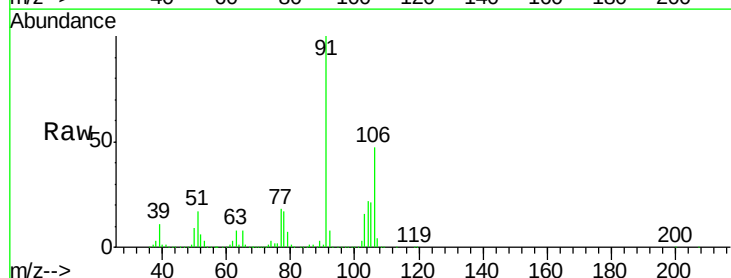
Acq: 25 Jun 2020 14:12

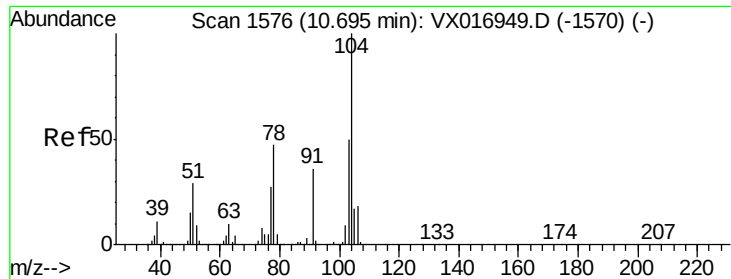
Tgt Ion:106 Resp: 699778

Ion Ratio Lower Upper

106 100

91 215.6 107.3 321.9





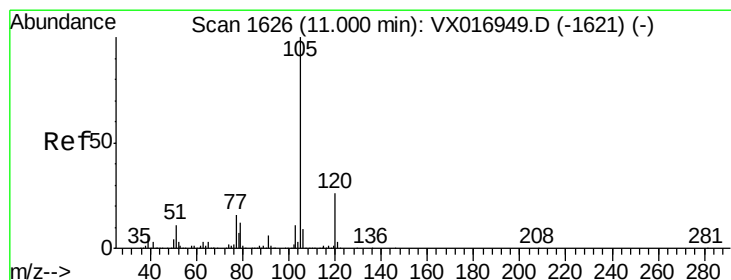
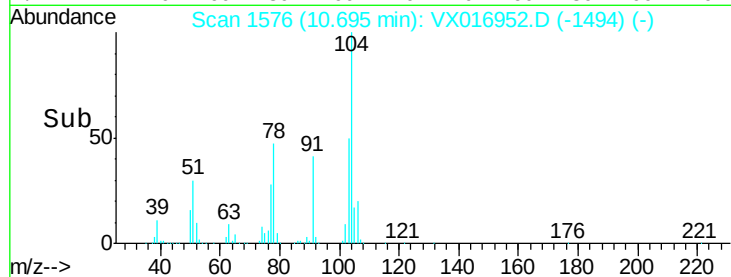
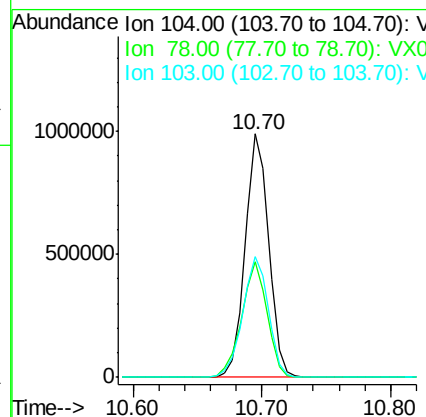
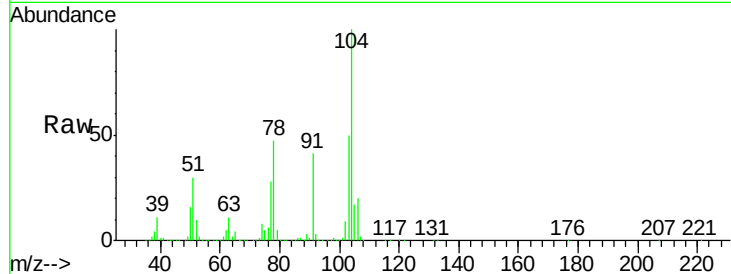
#69
Stvrene
Concen: 160.372 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.6	64.0
103	54.2	44.1	66.1

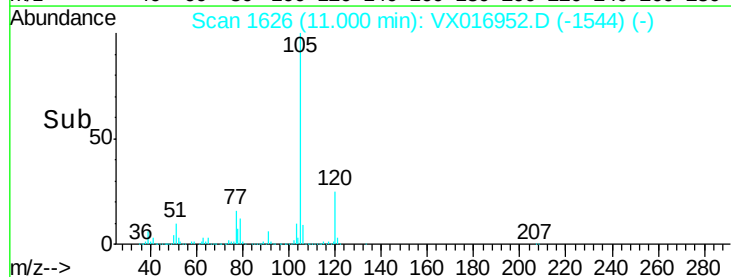
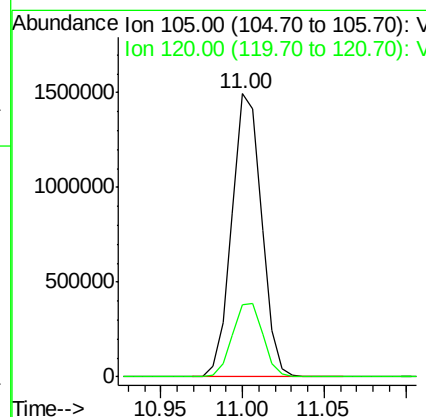
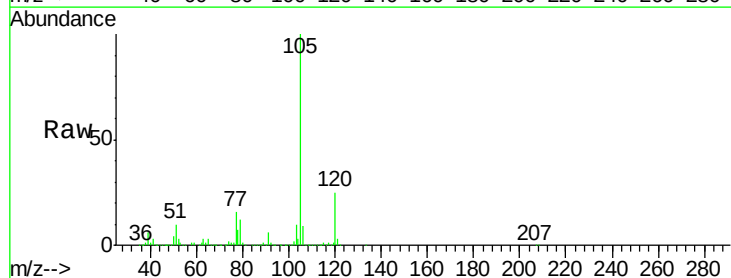
Manual Integrations
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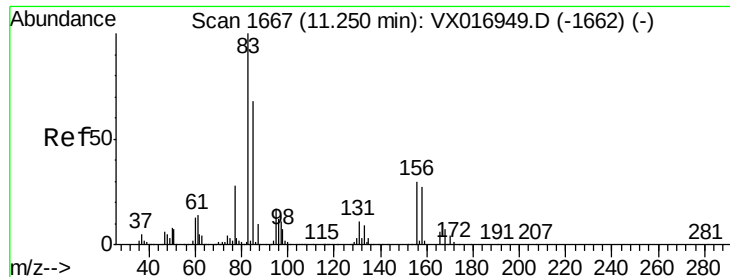
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#70
Isopropylbenzene
Concen: 154.384 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 152.646 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 576956

Ion Ratio Lower Upper

83 100

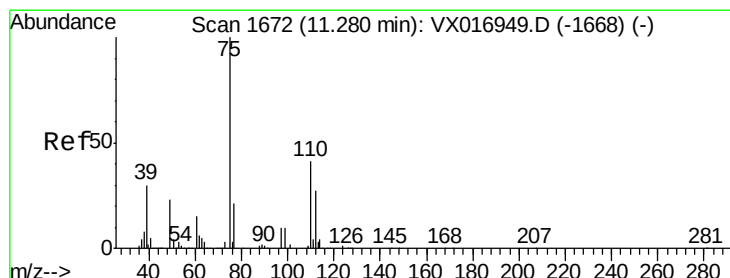
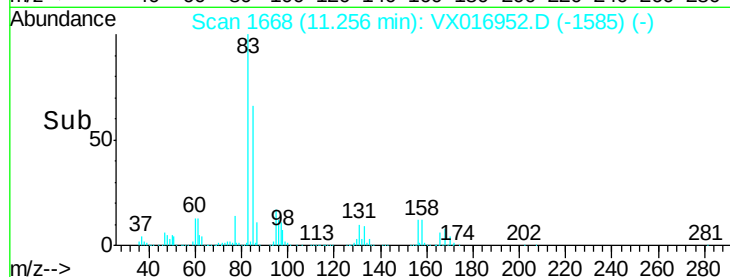
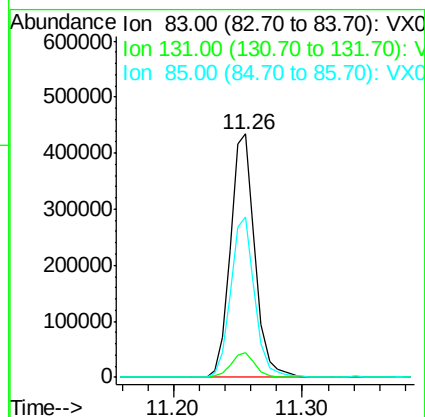
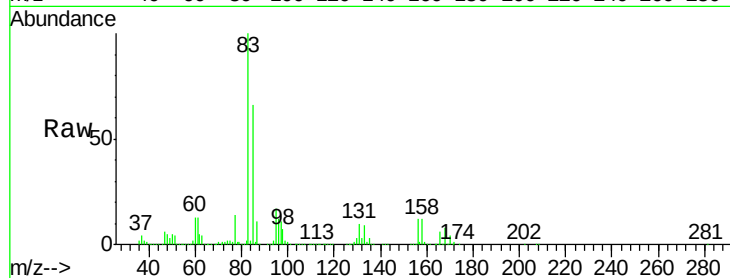
131 10.0 5.2 15.6

85 64.8 33.1 99.3

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#72

1,2,3-Trichloropropane

Concen: 145.770 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016952.D

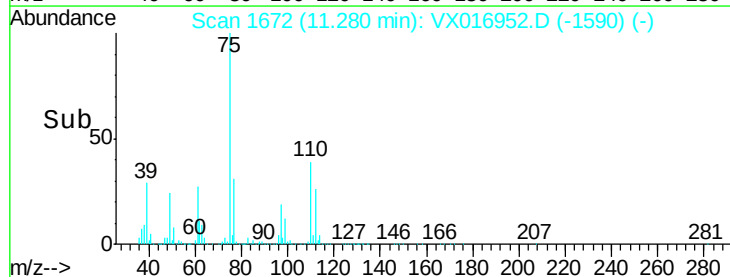
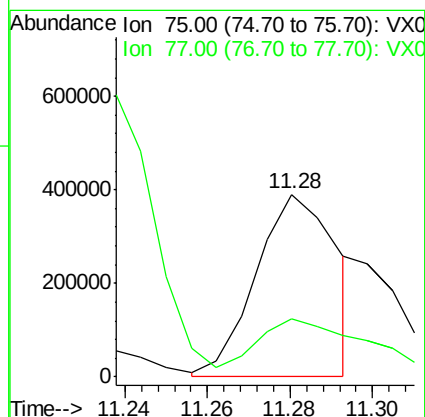
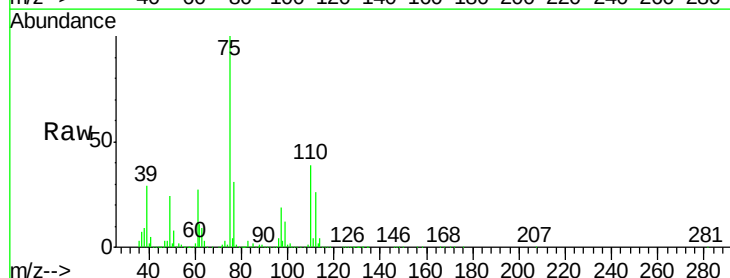
Acq: 25 Jun 2020 14:12

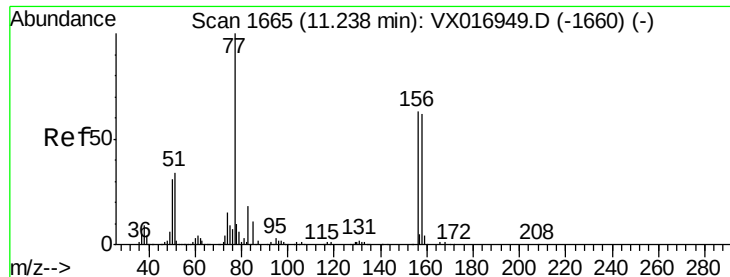
Tgt Ion: 75 Resp: 529105

Ion Ratio Lower Upper

75 100

77 43.6 0.0 77.2





#73

Bromobenzene

Concen: 152.479 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

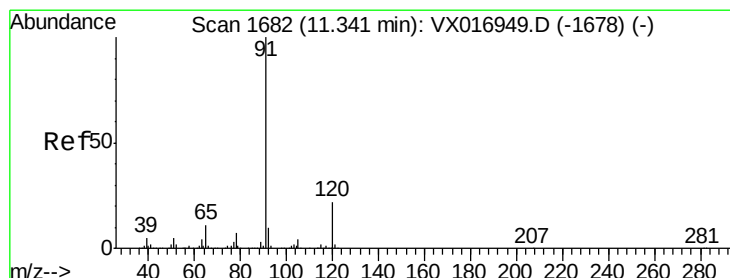
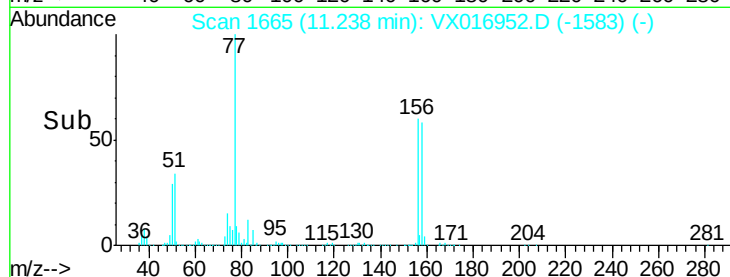
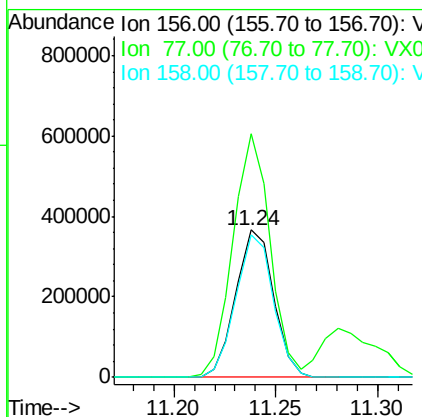
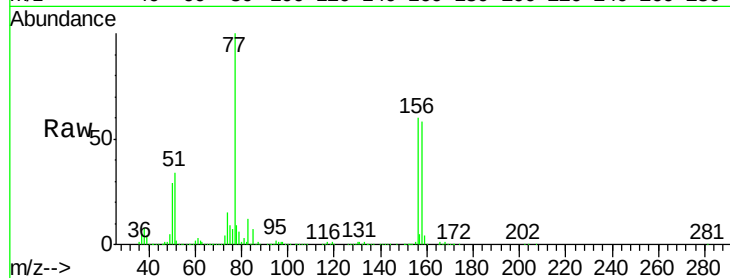
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.5	0.0	317.2
158	95.9	0.0	188.4

Manual Integrations
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#74

n-propylbenzene

Concen: 153.222 ug/l

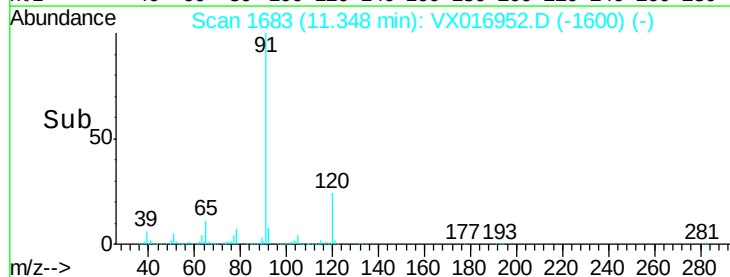
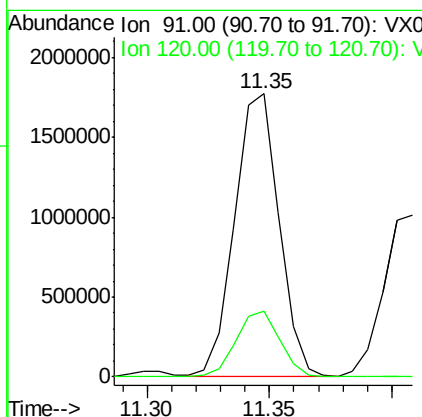
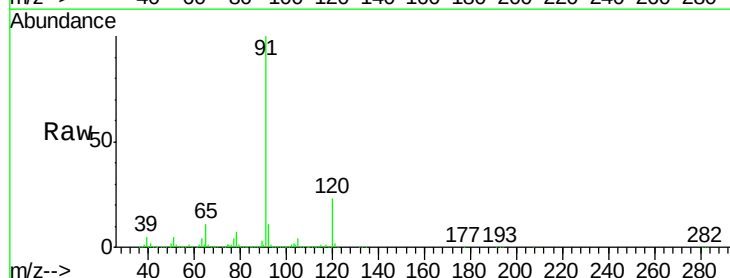
RT: 11.35 min Scan# 1683

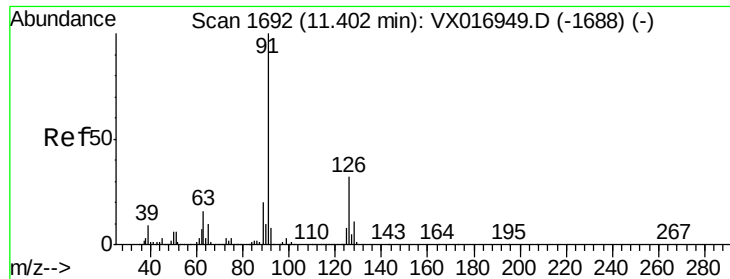
Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	0.0	45.6





#75

2-Chlorotoluene

Concen: 152.136 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1296378

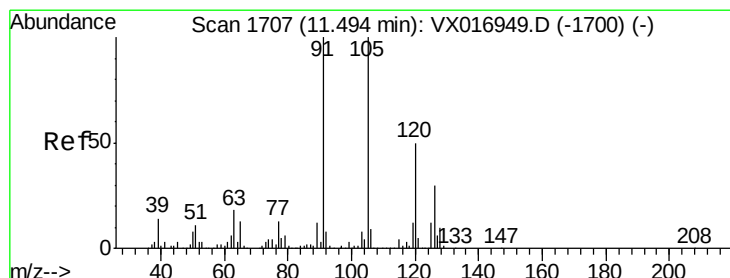
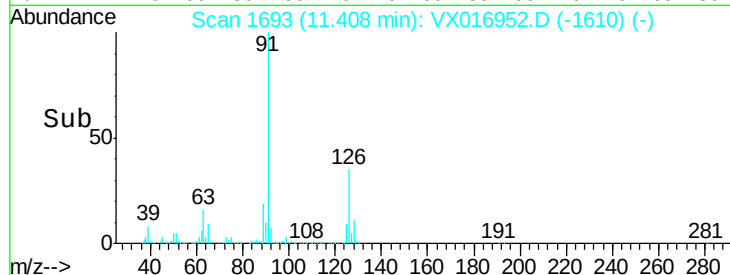
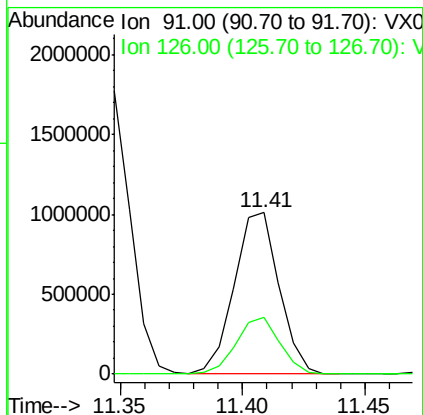
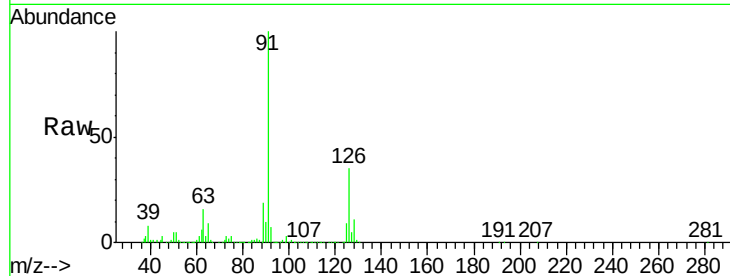
Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.0

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#76

1,3,5-Trimethylbenzene

Concen: 154.971 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016952.D

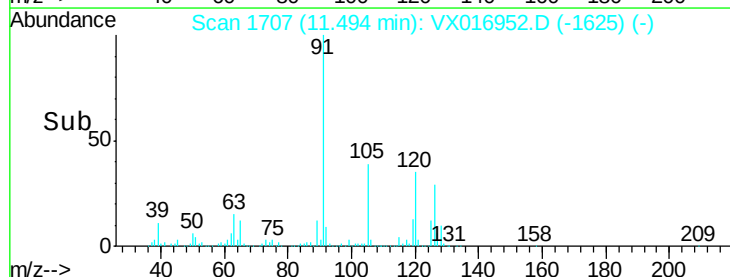
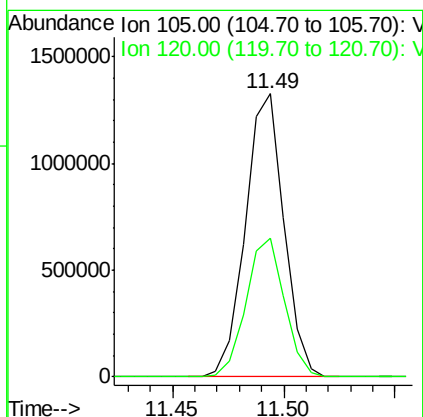
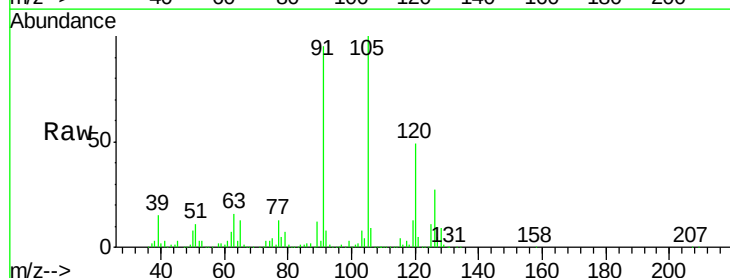
Acq: 25 Jun 2020 14:12

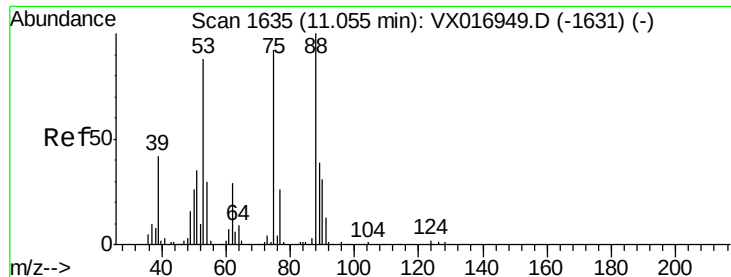
Tgt Ion: 105 Resp: 1600912

Ion Ratio Lower Upper

105 100

120 48.8 0.0 99.4





#77

t-1,4-Dichloro-2-butene

Concen: 157.163 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

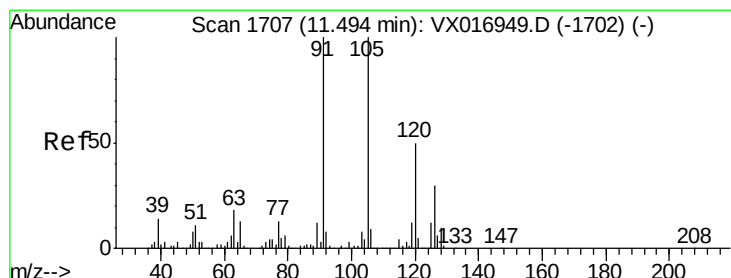
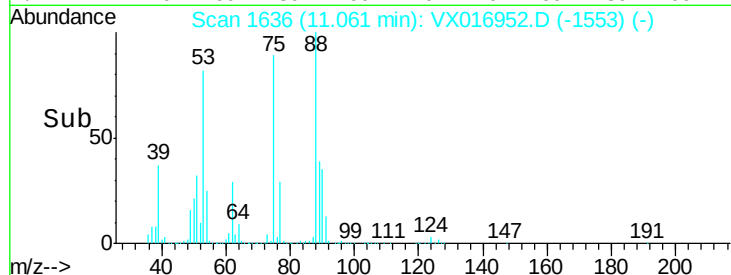
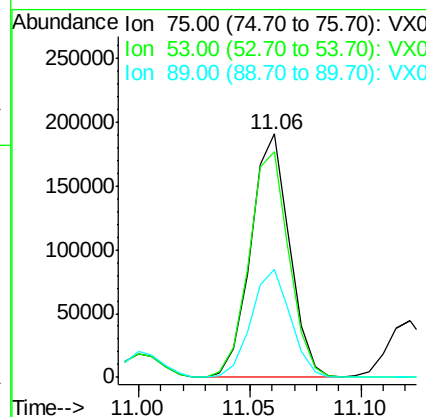
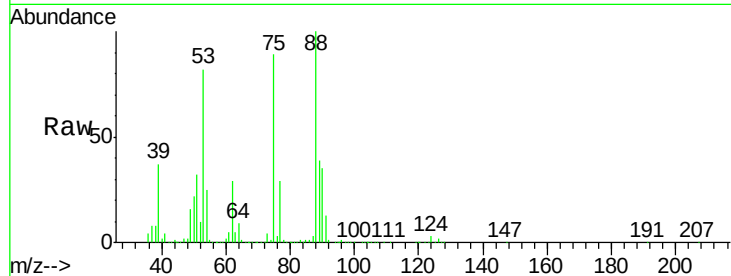
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	231184
Ion	Ratio	Lower	Upper
75	100		
53	92.7	47.6	142.9
89	44.4	21.1	63.4

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#78

4-Chlorotoluene

Concen: 153.773 ug/l

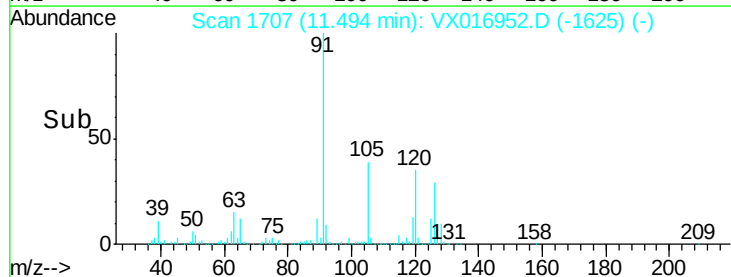
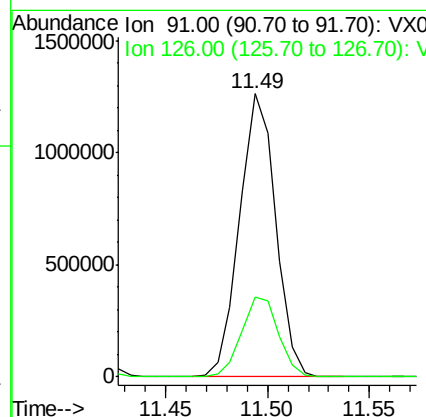
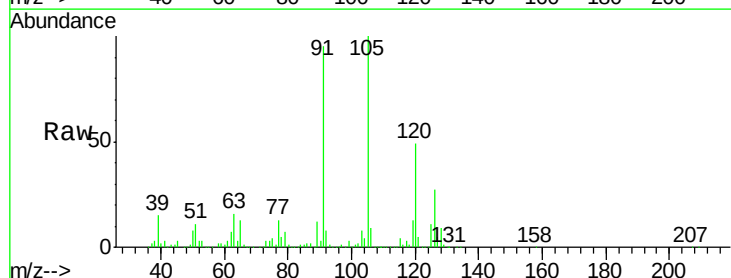
RT: 11.49 min Scan# 1707

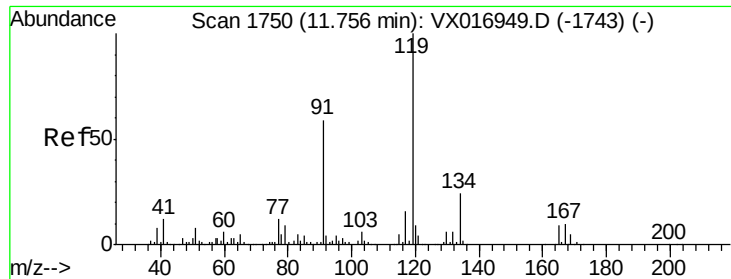
Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Tgt Ion:	91	Resp:	1551443
Ion	Ratio	Lower	Upper
91	100		
126	28.8	0.0	60.6





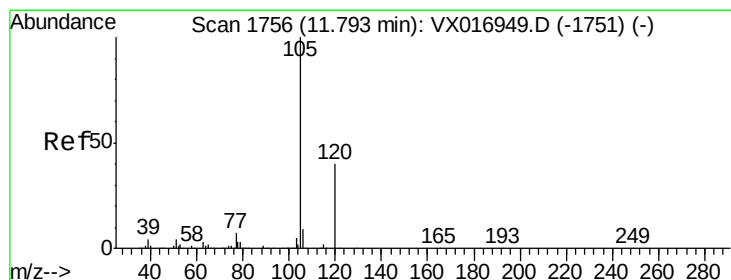
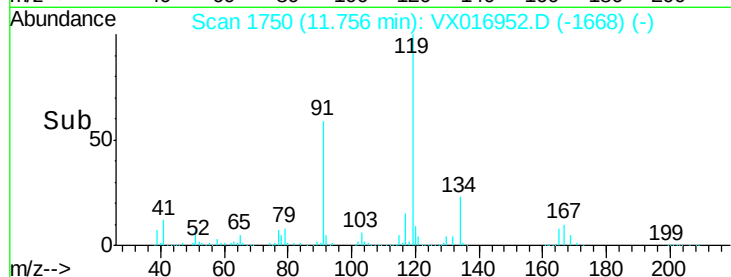
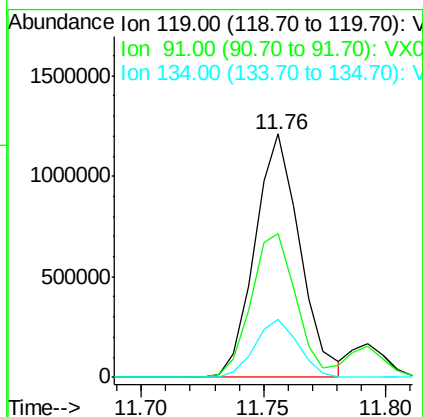
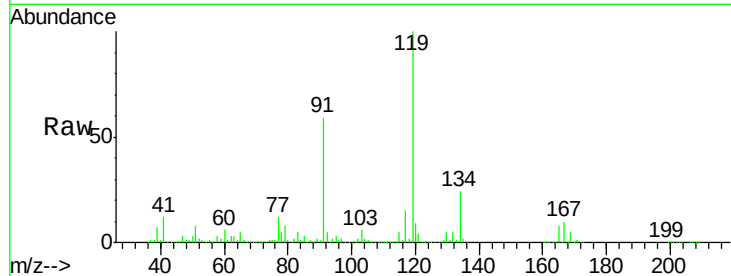
#79
tert-butylbenzene
Concen: 155.941 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.6	0.0	115.2
134	23.2	0.0	45.8

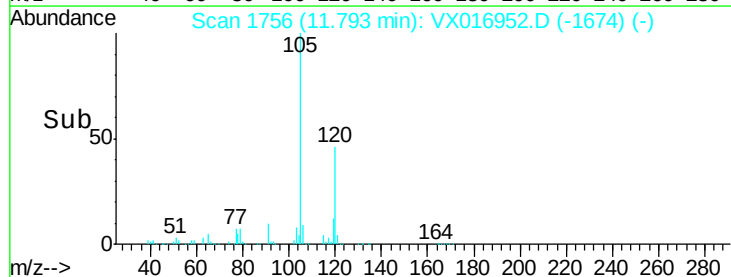
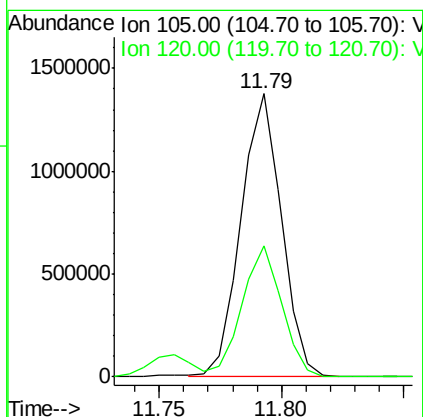
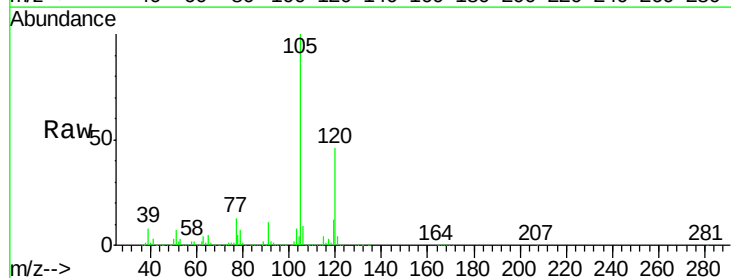
Manual Integrations
APPROVED

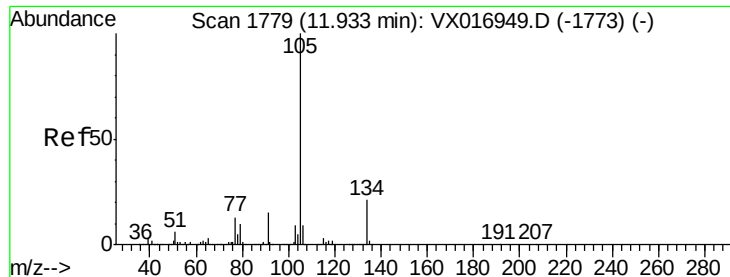
MMDadoda
6/26/2020 3:33:57 PM



#80
1,2,4-Trimethylbenzene
Concen: 153.322 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	0.0	89.8





#81

sec-Butylbenzene

Concen: 153.204 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1835645

Ion Ratio Lower Upper

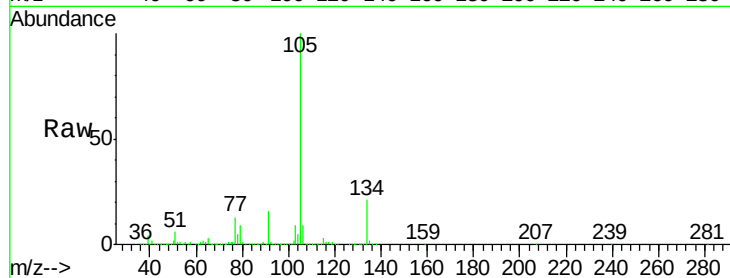
105 100

134 20.1 0.0 41.2

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

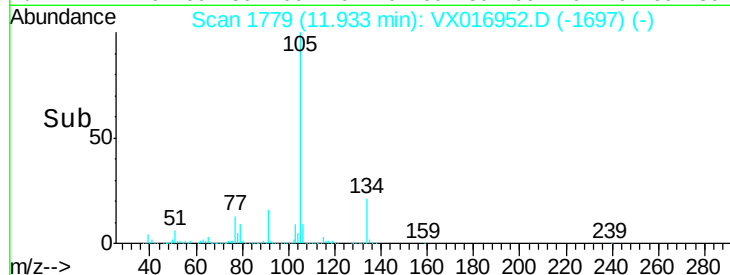
1500000

1000000

500000

0

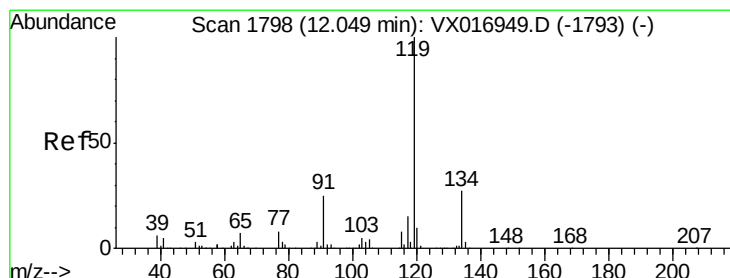
Time-->



11.93

11.90

11.95



#82

p-Isopropyltoluene

Concen: 152.854 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

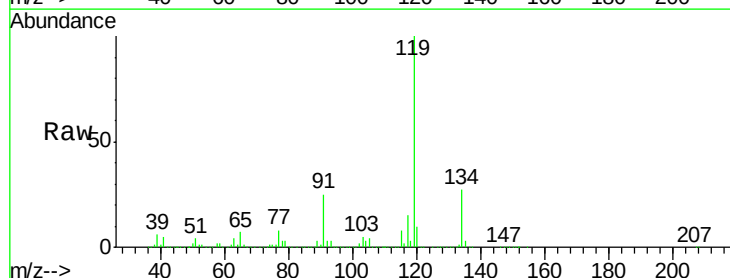
Tgt Ion:119 Resp: 1653652

Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.0

91 24.6 0.0 49.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2000000

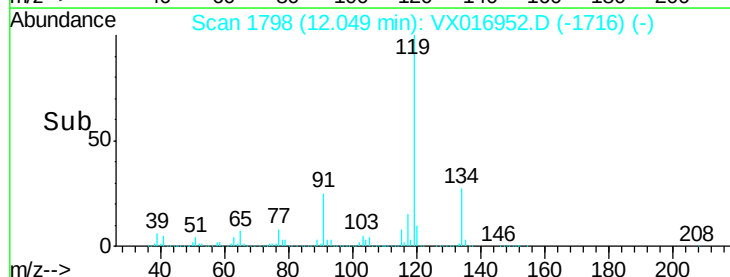
1500000

1000000

500000

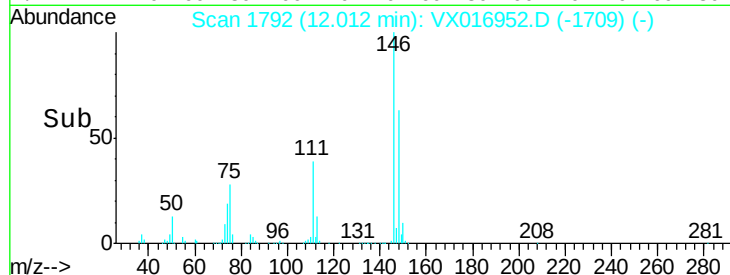
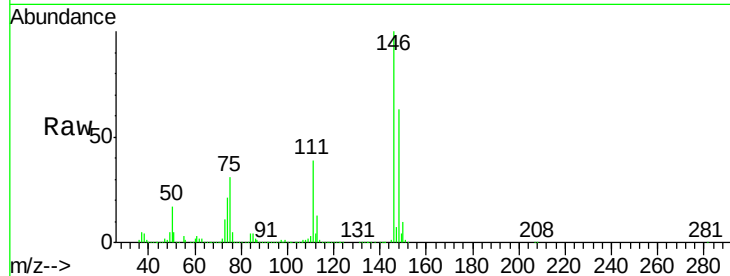
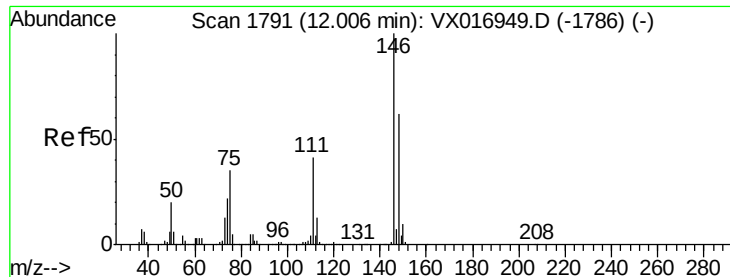
0

Time-->



12.05

12.00



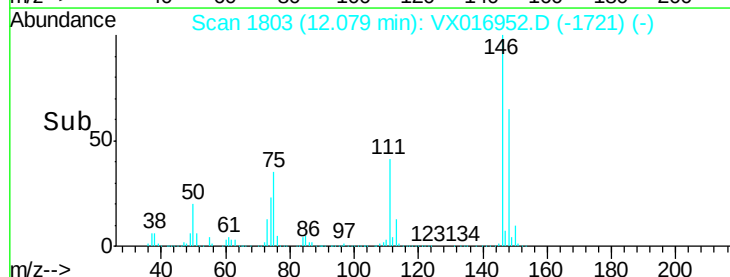
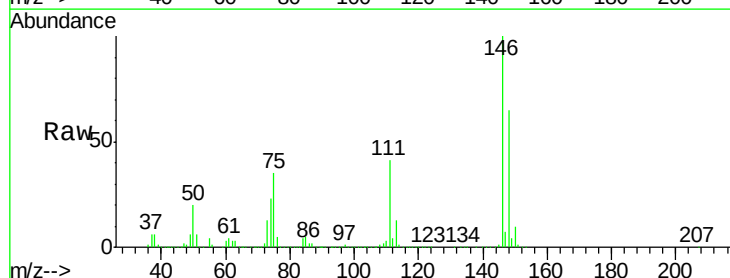
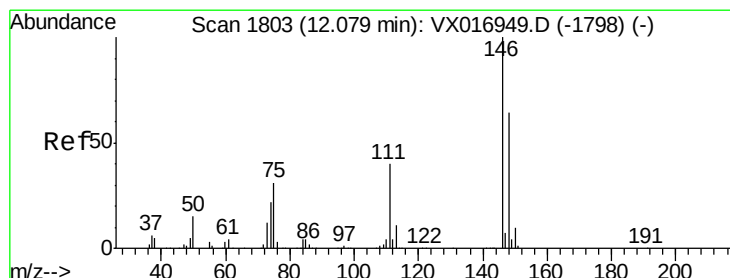
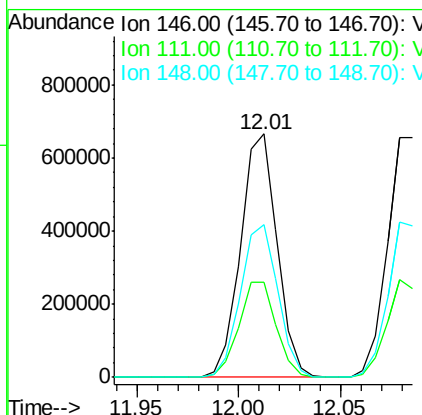
#83
1,3-Dichlorobenzene
Concen: 148.523 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.5	58.5
148	64.3	31.8	95.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

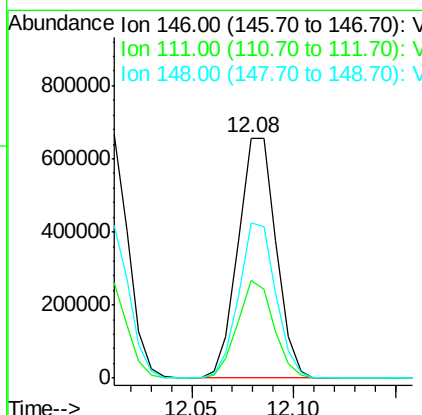
Manual Integrations
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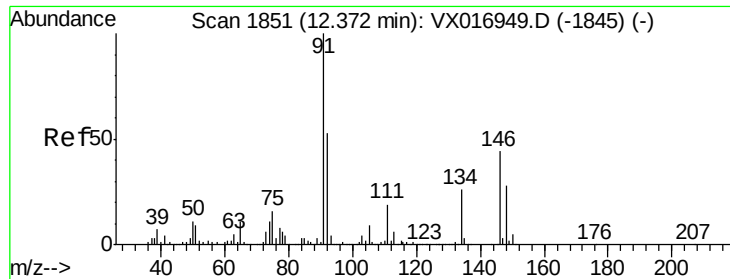
MMDadoda
6/26/2020 3:33:57 PM



#84
1,4-Dichlorobenzene
Concen: 152.404 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VX016952.D
Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.2
148	62.8	32.1	96.3





#85

n-Butylbenzene

Concen: 156.780 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1569950

Ion Ratio Lower Upper

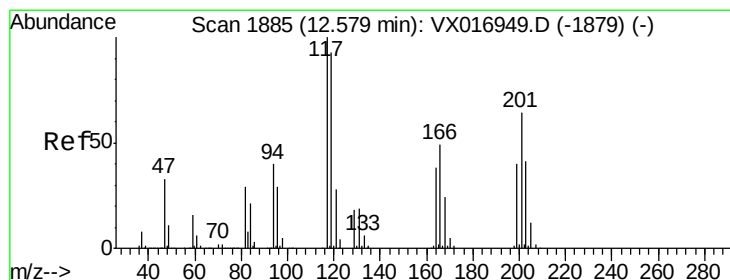
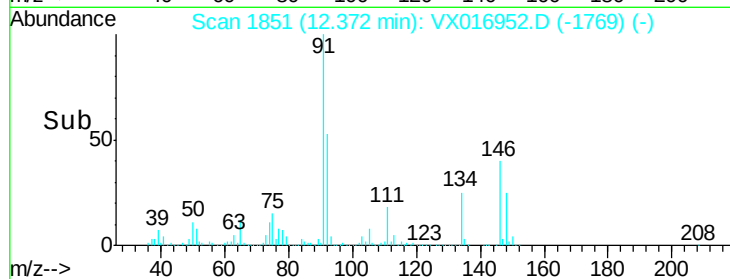
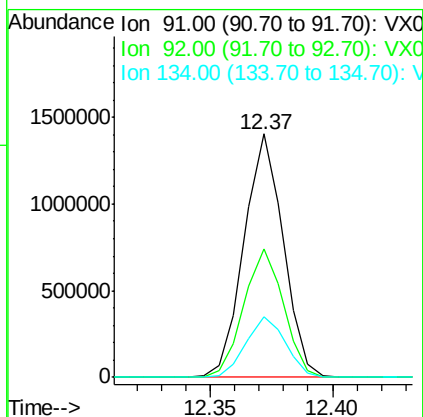
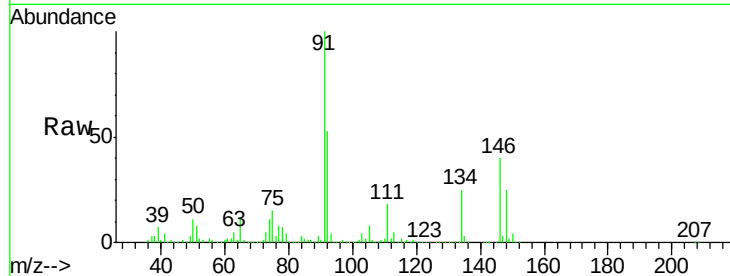
91 100

92 53.5 0.0 105.8

134 25.4 0.0 52.2

Manual Integrations
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#86

Hexachloroethane

Concen: 156.661 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX016952.D

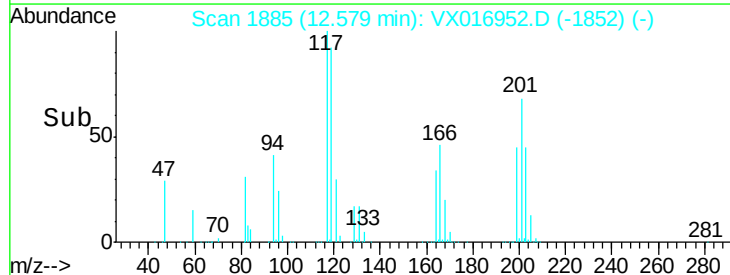
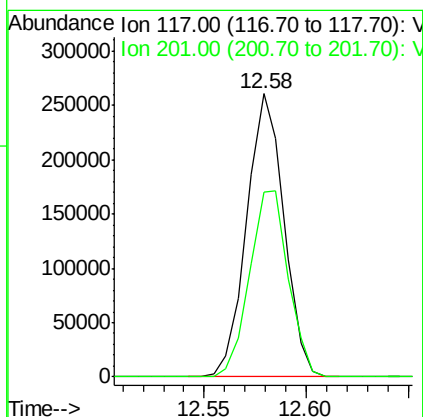
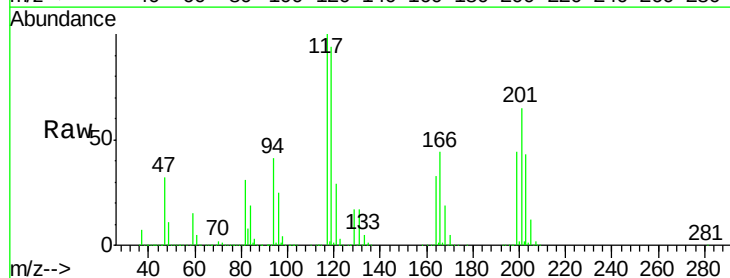
Acq: 25 Jun 2020 14:12

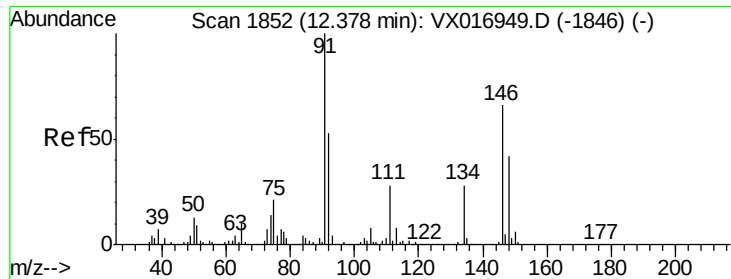
Tgt Ion: 117 Resp: 331680

Ion Ratio Lower Upper

117 100

201 68.7 34.6 103.9





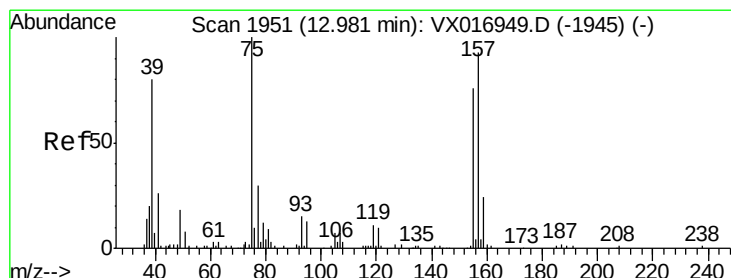
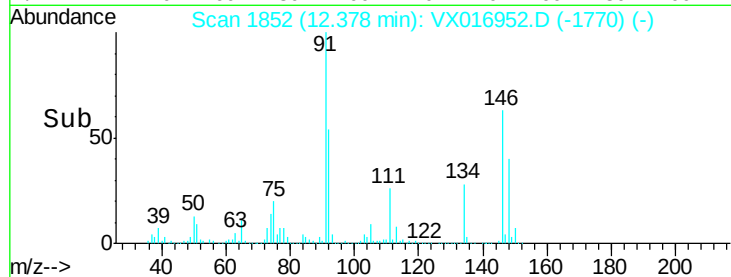
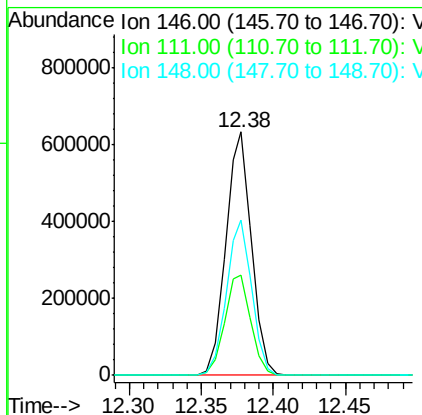
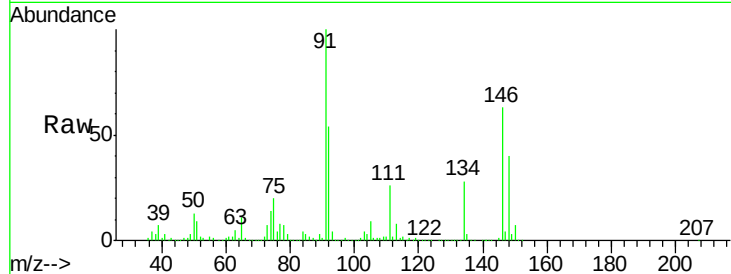
#87
 1,2-Dichlorobenzene
 Concen: 151.825 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016952.D
 Acq: 25 Jun 2020 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	790989		
111	42.2		21.1	63.1
148	63.2		32.1	96.3

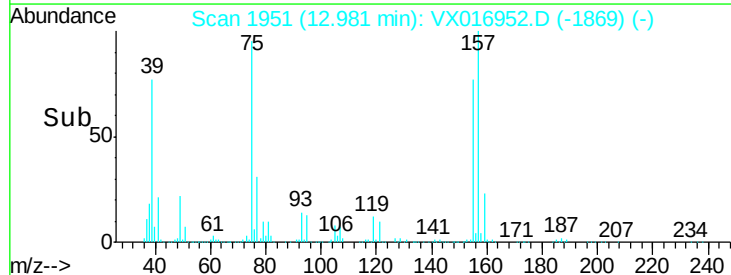
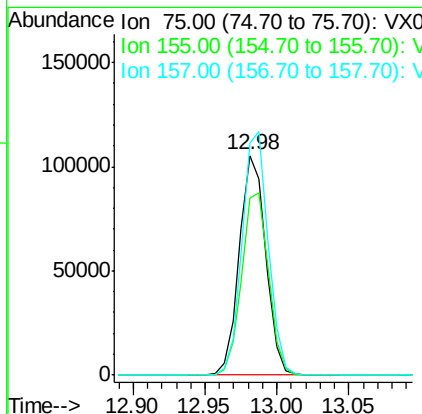
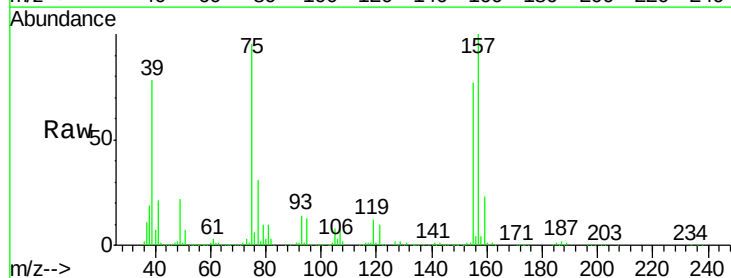
Manual Integrations
 APPROVED

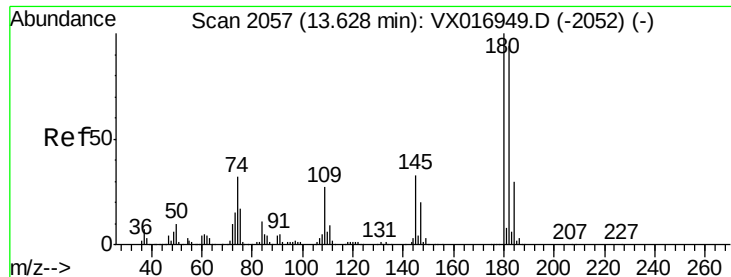
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 156.216 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016952.D
 Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134337		
155	83.9		65.0	97.6
157	108.6		83.0	124.4





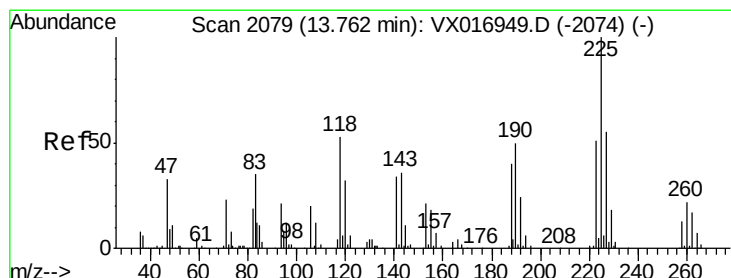
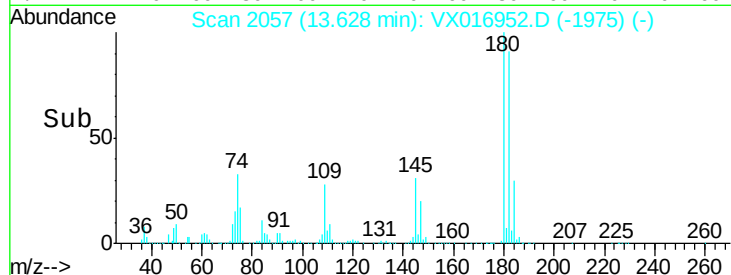
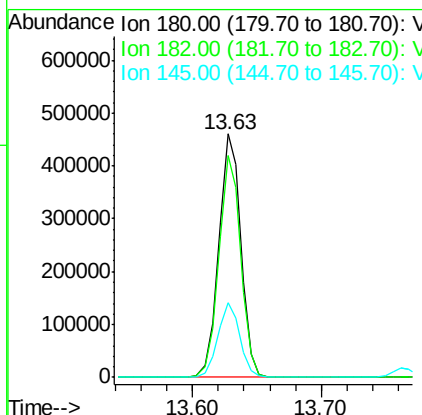
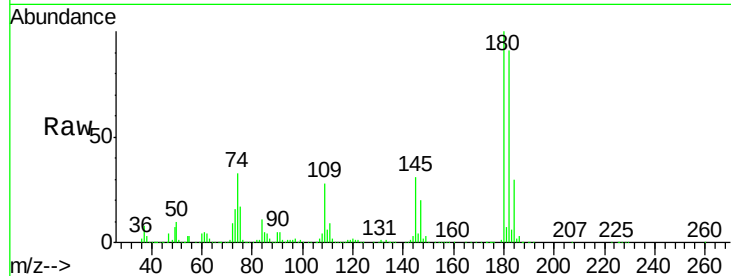
#89
 1,2,4-Trichlorobenzene
 Concen: 157.982 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016952.D
 Acq: 25 Jun 2020 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.2	77.7	116.5
145	30.4	26.2	39.2

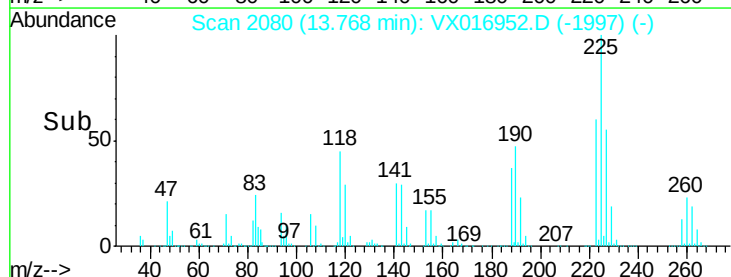
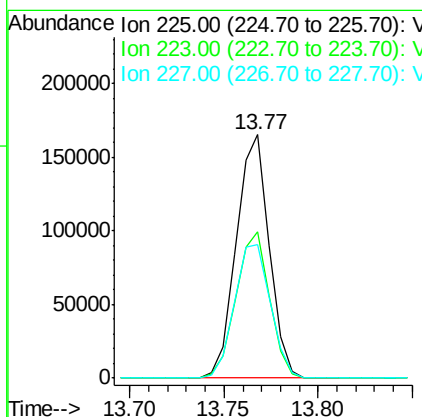
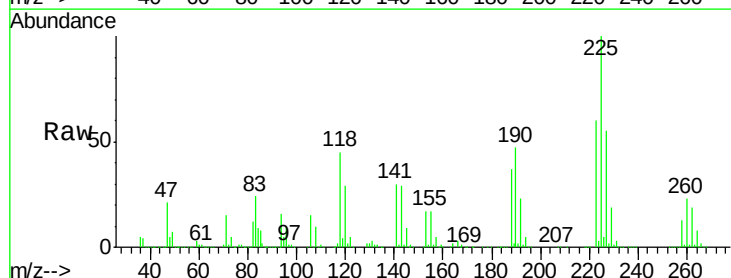
Manual Integrations
 APPROVED

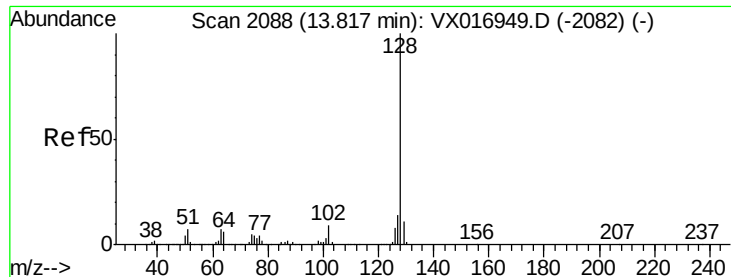
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 149.314 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX016952.D
 Acq: 25 Jun 2020 14:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	0.0	125.0
227	59.7	0.0	124.0





#91

Naphthalene

Concen: 156.607 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1804308

Ion Ratio Lower Upper

128 100

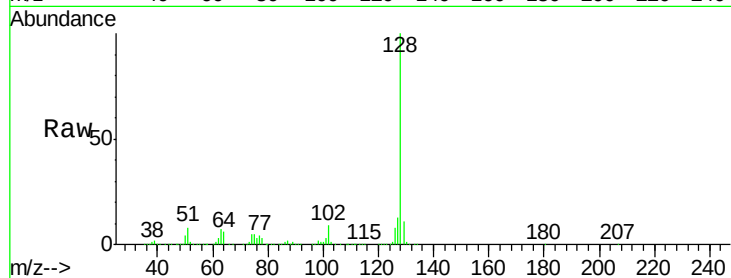
127 13.3 10.5 15.7

129 11.2 9.0 13.4

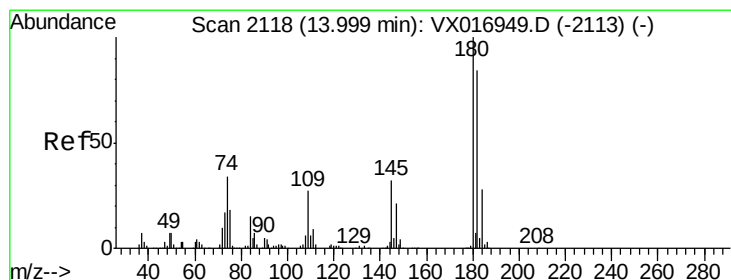
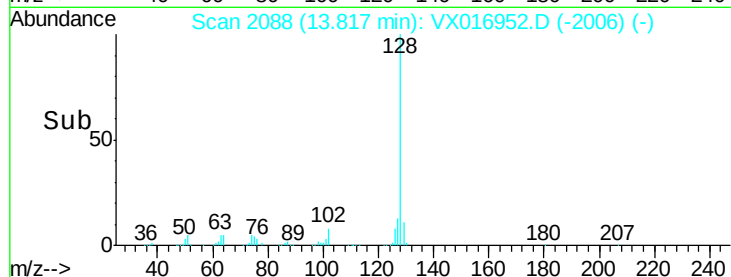
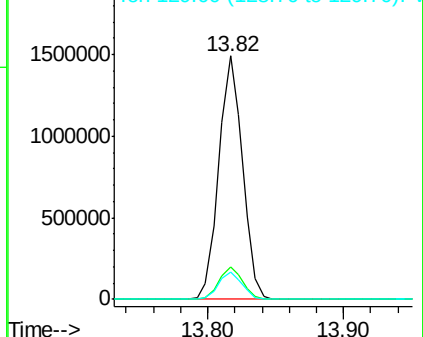
Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 152.033 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016952.D

Acq: 25 Jun 2020 14:12

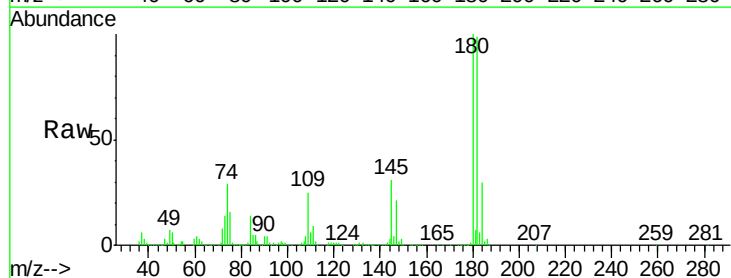
Tgt Ion:180 Resp: 521502

Ion Ratio Lower Upper

180 100

182 98.0 0.0 184.8

145 33.4 0.0 68.0



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

