

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071620\
 Data File : VX017386.D
 Acq On : 16 Jul 2020 13:03
 Operator : JC/SP
 Sample : VX0716WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0716WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2020 4:44:12 PM

Quant Time: Jul 17 01:14:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	317374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	490236	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	251324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	196707	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	5.46	113	165323	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	8.70	98	588753	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.12	95	214434	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	60368	22.479	ug/l	99
3) Chloromethane	1.31	50	65511	21.668	ug/l	97
4) Vinyl Chloride	1.39	62	66178	22.126	ug/l	98
5) Bromomethane	1.63	94	44460	22.834	ug/l	97
6) Chloroethane	1.72	64	40730	21.574	ug/l	100
7) Trichlorofluoromethane	1.92	101	104152	20.631	ug/l	98
8) Diethyl Ether	2.17	74	37668	21.109	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	62805	21.840	ug/l	99
10) Methyl Iodide	2.49	142	70239	19.928	ug/l	98
11) Tert butyl alcohol	3.01	59	70191	104.589	ug/l	98
12) 1,1-Dichloroethene	2.36	96	61679	21.355	ug/l	94
13) Acrolein	2.27	56	27918	75.887	ug/l	95
14) Allyl chloride	2.71	41	110785	22.137	ug/l	93
15) Acrylonitrile	3.12	53	179289	110.203	ug/l	98
16) Acetone	2.42	43	150078	105.609	ug/l	96
17) Carbon Disulfide	2.55	76	182365	21.645	ug/l	99
18) Methyl Acetate	2.75	43	79403	22.622	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	199284	20.321	ug/l	98
20) Methylene Chloride	2.84	84	75471	21.767	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	68844	20.833	ug/l	99
22) Diisopropyl ether	3.82	45	217968	22.865	ug/l	99
23) Vinyl Acetate	3.79	43	929452	110.862	ug/l	100
24) 1,1-Dichloroethane	3.67	63	121854	21.750	ug/l	98
25) 2-Butanone	4.64	43	243782	108.007	ug/l	99
26) 2,2-Dichloropropane	4.55	77	105039	20.145	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	74476	20.552	ug/l	98
28) Bromochloromethane	4.98	49	53668	20.736	ug/l	93
29) Tetrahydrofuran	5.09	42	159632	109.258	ug/l	97
30) Chloroform	5.18	83	126414	20.972	ug/l	97
31) Cyclohexane	5.55	56	96134	20.960	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	115666	20.757	ug/l	98
36) 1,1-Dichloropropene	5.78	75	89679	19.888	ug/l	99
37) Ethyl Acetate	4.79	43	96300	20.650	ug/l	98
38) Carbon Tetrachloride	5.76	117	103517	19.607	ug/l	96

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Instrument :
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 ClientSampleID :
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Manual Integrations
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MMDadoda
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	92375	18.864	ug/l	88
40) Benzene	6.11	78	272570	21.033	ug/l	98
41) Methacrylonitrile	5.00	41	51473	20.560	ug/l	99
42) 1,2-Dichloroethane	6.16	62	101542	20.167	ug/l	100
43) Isopropyl Acetate	6.42	43	148947	19.989	ug/l	98
44) Trichloroethene	7.19	130	77527	19.585	ug/l	97
45) 1,2-Dichloropropane	7.49	63	72199	21.773	ug/l	95
46) Dibromomethane	7.64	93	48841	20.423	ug/l	95
47) Bromodichloromethane	7.88	83	102397	20.480	ug/l	99
48) Methyl methacrylate	7.74	41	72215	20.195	ug/l	99
49) 1,4-Dioxane	7.71	88	31849	435.234	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	491162	108.100	ug/l	98
52) Toluene	8.76	92	171032	20.566	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	104875	19.471	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	115862	20.168	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	72490	20.904	ug/l	99
56) Ethyl methacrylate	9.16	69	93165	18.923	ug/l	99
57) 1,3-Dichloropropane	9.35	76	118070	20.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	254929	101.979	ug/l	97
59) 2-Hexanone	9.47	43	359089	104.712	ug/l	97
60) Dibromochloromethane	9.56	129	82305	19.428	ug/l	99
61) 1,2-Dibromoethane	9.65	107	75254	19.948	ug/l	97
64) Tetrachloroethene	9.32	164	82018	20.309	ug/l	94
65) Chlorobenzene	10.12	112	183350	19.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	74678	19.781	ug/l	98
67) Ethyl Benzene	10.24	91	304784	19.308	ug/l	100
68) m/p-Xylenes	10.34	106	243107	40.477	ug/l	97
69) o-Xylene	10.68	106	110726	19.293	ug/l	98
70) Styrene	10.70	104	195230	19.818	ug/l	99
71) Bromoform	10.84	173	61205	19.212	ug/l #	97
73) Isopropylbenzene	11.00	105	305928	19.418	ug/l	99
74) N-amyl acetate	10.88	43	125449	19.898	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	102421	21.411	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	100280m	21.593	ug/l	
77) Bromobenzene	11.24	156	84611	18.856	ug/l	96
78) n-propylbenzene	11.34	91	350552	19.812	ug/l	100
79) 2-Chlorotoluene	11.40	91	214935	19.712	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	257297	19.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	33228	18.151	ug/l	95
82) 4-Chlorotoluene	11.49	91	256896	19.880	ug/l	100
83) tert-Butylbenzene	11.76	119	237447	18.367	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	265937	19.683	ug/l	100
85) sec-Butylbenzene	11.93	105	292195	19.306	ug/l	99
86) p-Isopropyltoluene	12.05	119	271621	18.967	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	153667	19.143	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	156671	19.319	ug/l	98
89) n-Butylbenzene	12.37	91	231856	18.983	ug/l	98
90) Hexachloroethane	12.58	117	53167	19.555	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	147556	19.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	22735	18.012	ug/l	91

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	91709	17.514	ug/l	98
94) Hexachlorobutadiene	13.76	225	41732	19.542	ug/l	99
95) Naphthalene	13.82	128	274149	17.806	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	91210	18.032	ug/l	98

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

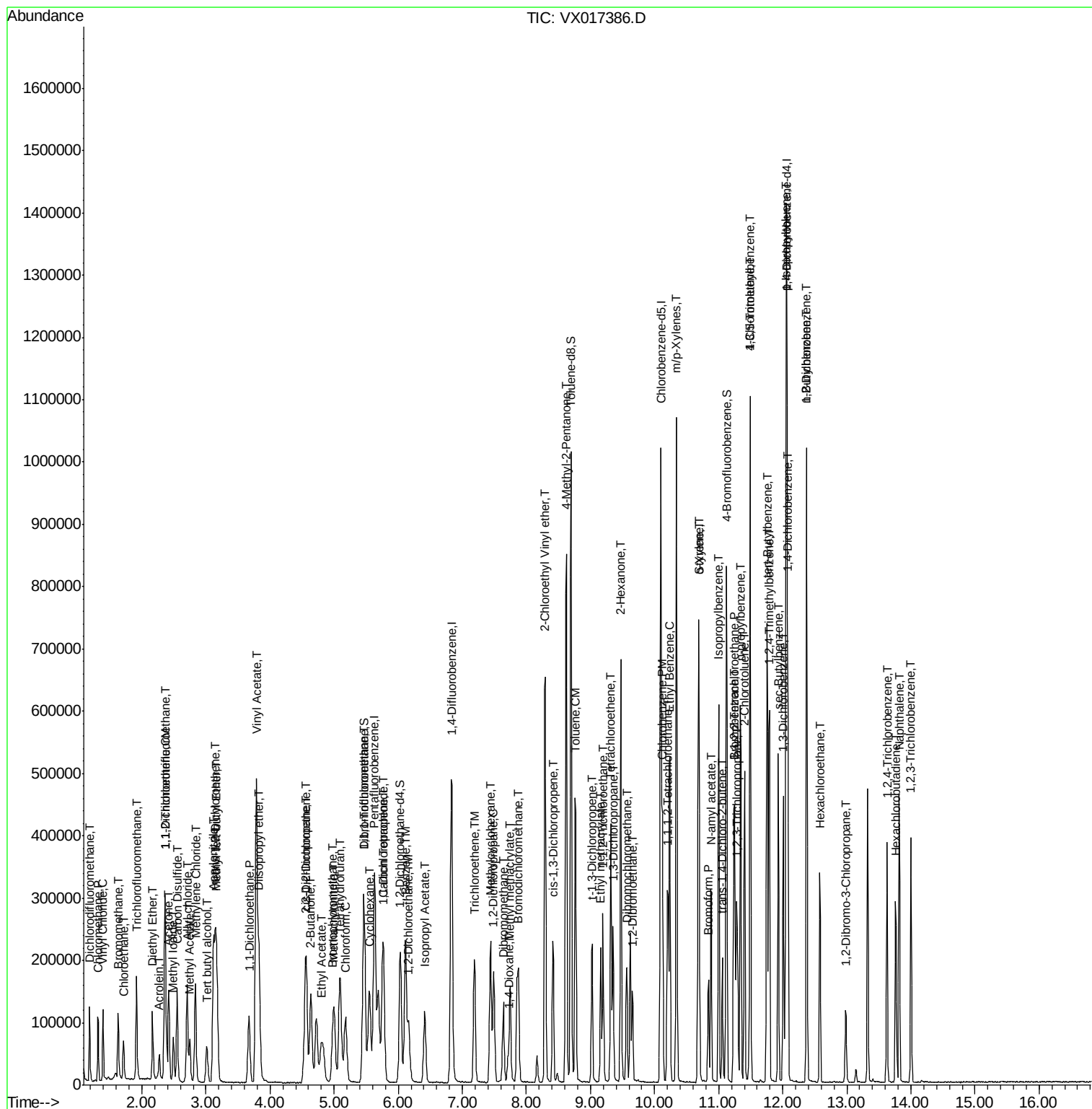
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Data File : VX0717386.D
Acq On : 16 Jul 2020 13:03
Operator : JC/SP
Sample : VX0716WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

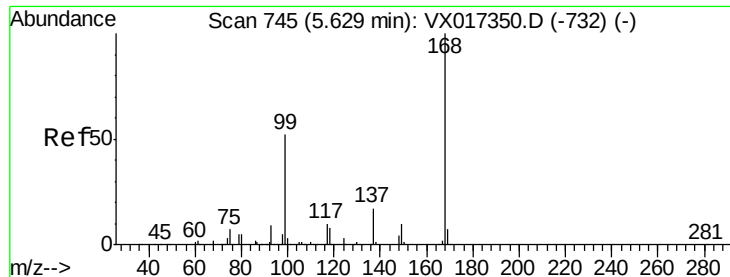
Instrument :
MSVOA_X
ClientSampled :
VX0716WBS01

Manual Integrations
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MMDadoda
7/17/2020 4:44:12 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:168 Resp: 317374

Ion Ratio Lower Upper

168 100

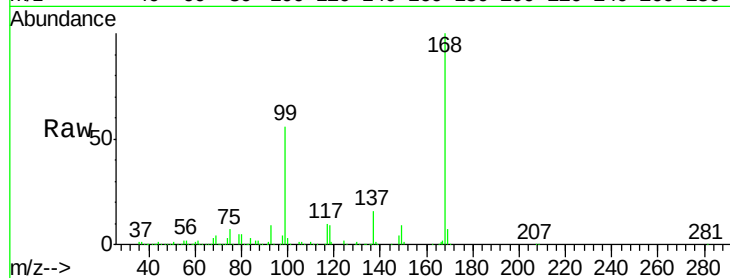
99 55.8 41.6 62.4

Manual Integrations

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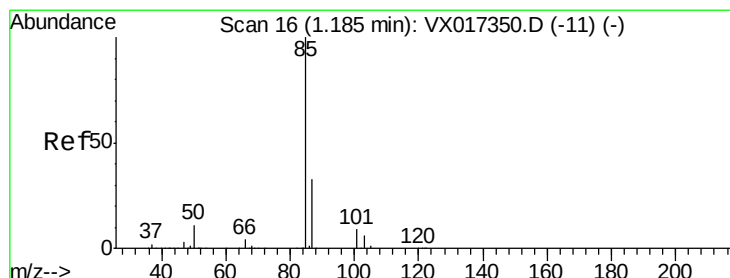
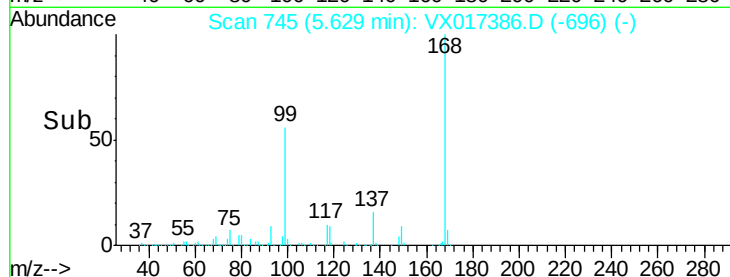
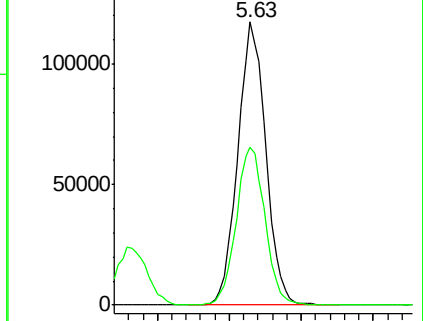
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.479 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017386.D

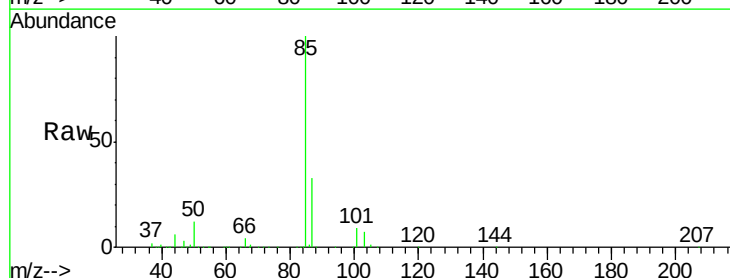
Acq: 16 Jul 2020 13:03

Tgt Ion: 85 Resp: 60368

Ion Ratio Lower Upper

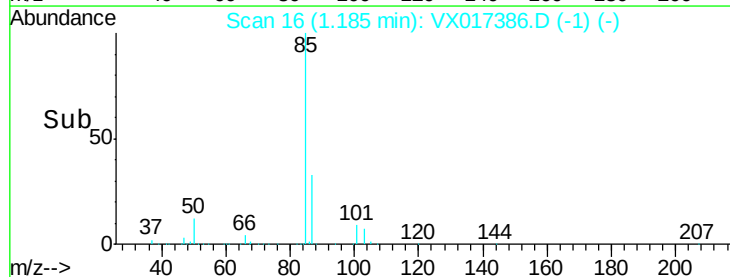
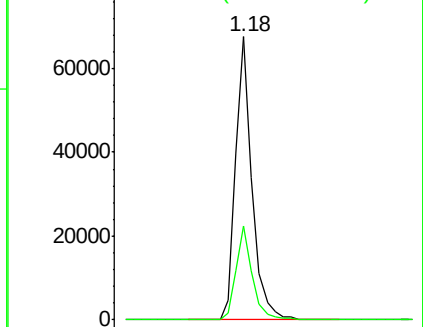
85 100

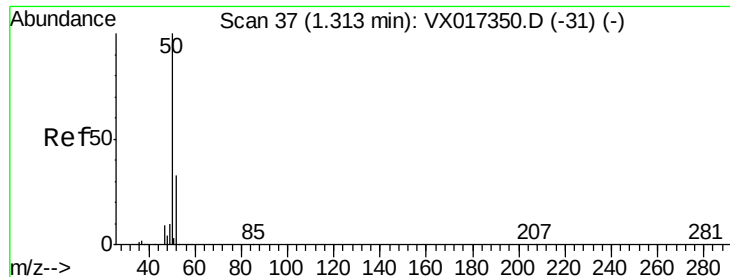
87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 21.668 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 50 Resp: 65511

Ion Ratio Lower Upper

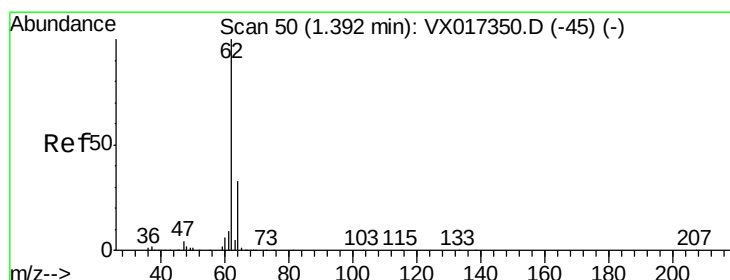
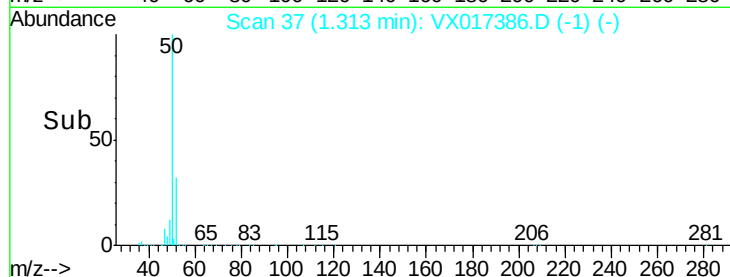
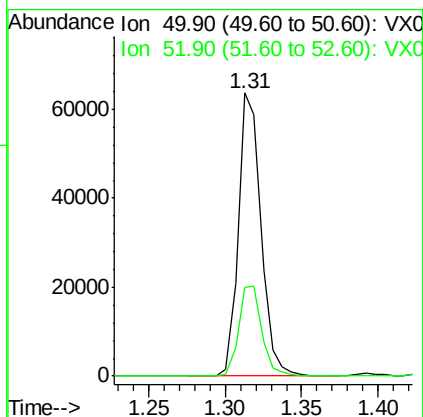
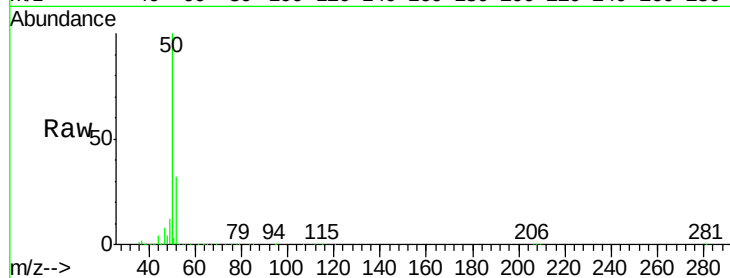
50 100

52 31.4 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.126 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017386.D

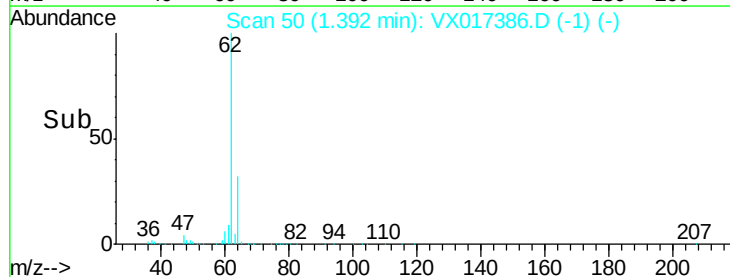
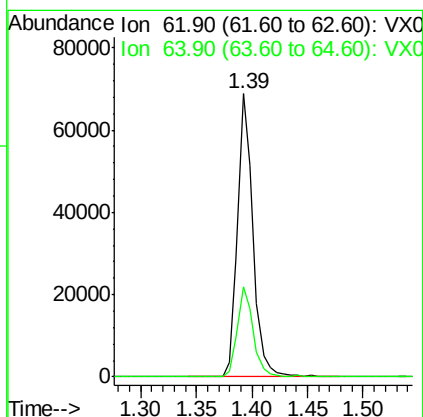
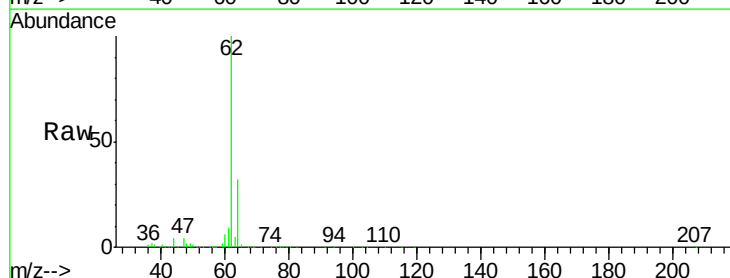
Acq: 16 Jul 2020 13:03

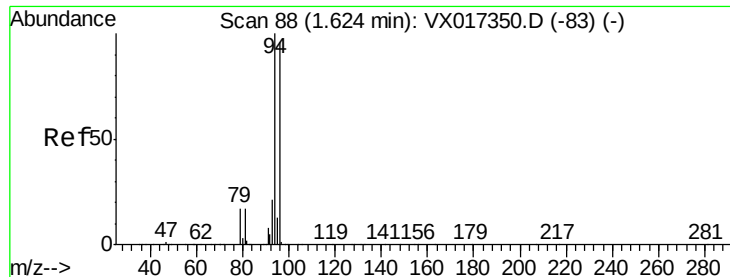
Tgt Ion: 62 Resp: 66178

Ion Ratio Lower Upper

62 100

64 31.9 26.3 39.5





#5

Bromomethane

Concen: 22.834 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 94 Resp: 44460

Ion Ratio Lower Upper

94 100

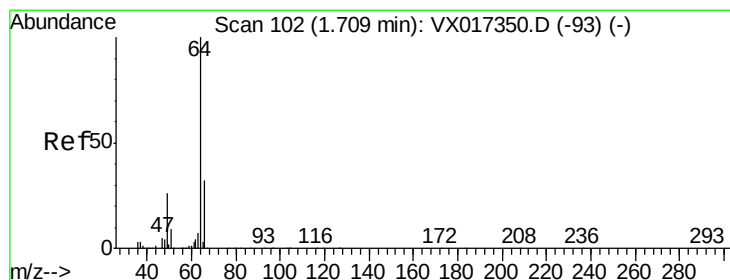
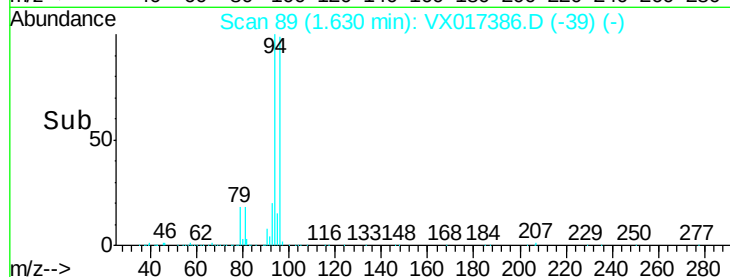
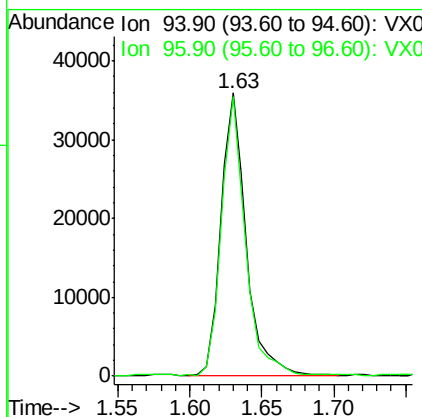
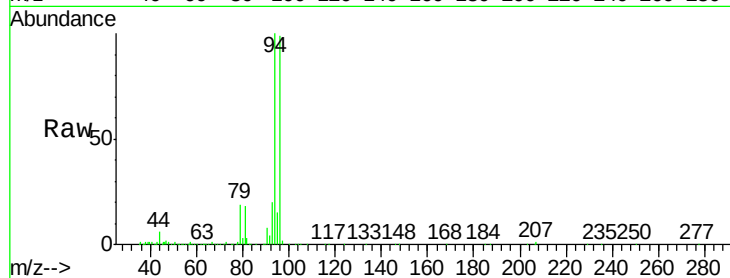
96 98.5 76.6 115.0

Manual Integrations

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#6

Chloroethane

Concen: 21.574 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017386.D

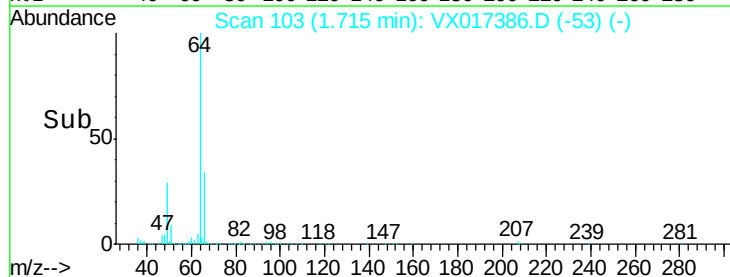
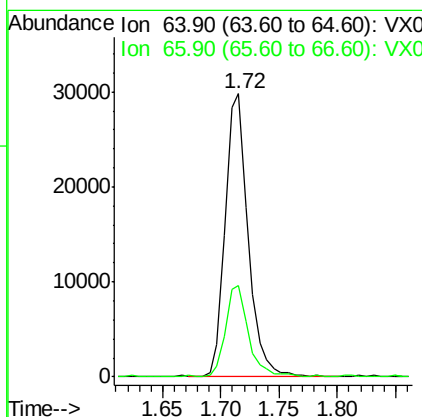
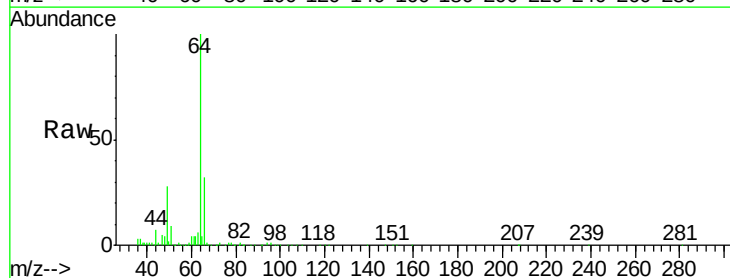
Acq: 16 Jul 2020 13:03

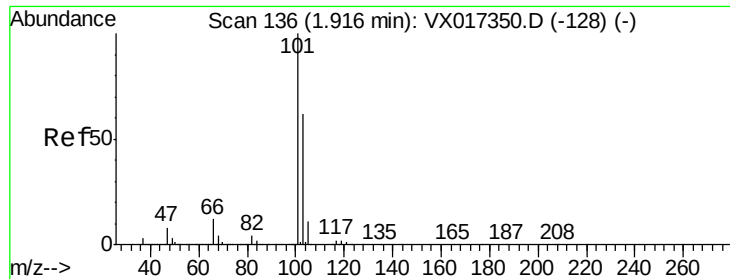
Tgt Ion: 64 Resp: 40730

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5





#7

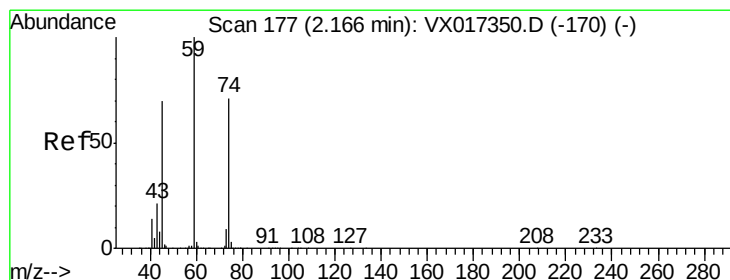
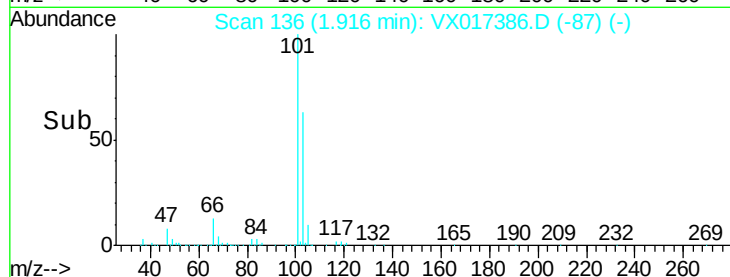
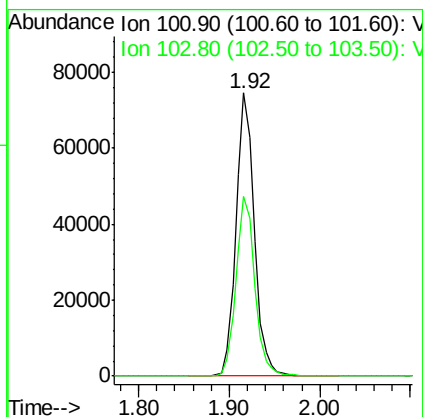
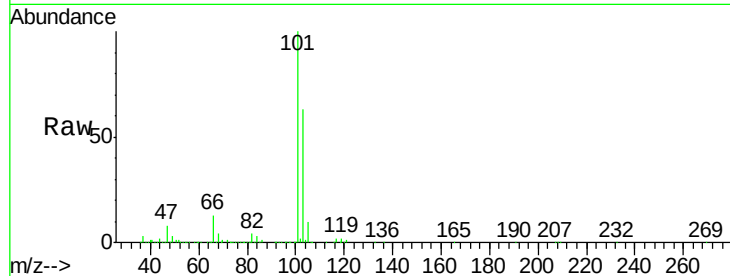
Trichlorofluoromethane
Concen: 20.631 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	49.6	74.4

Manual Integrations
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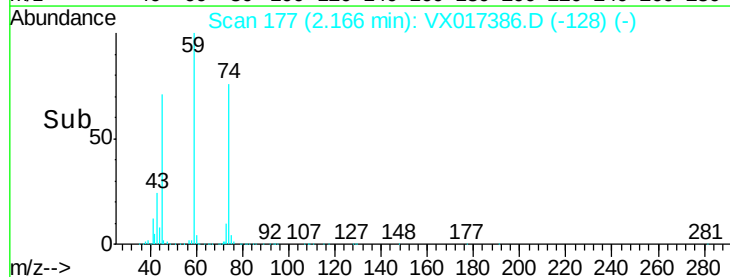
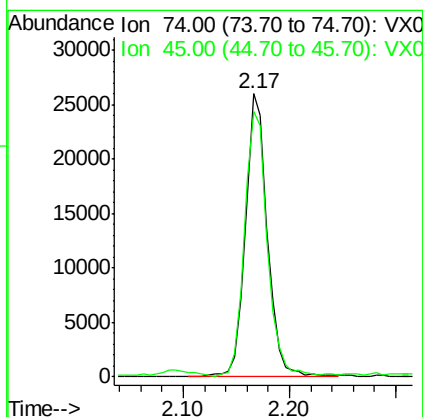
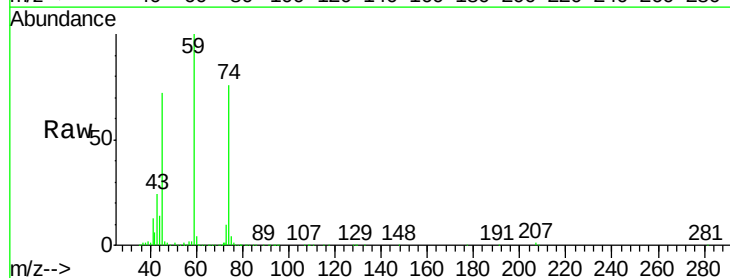
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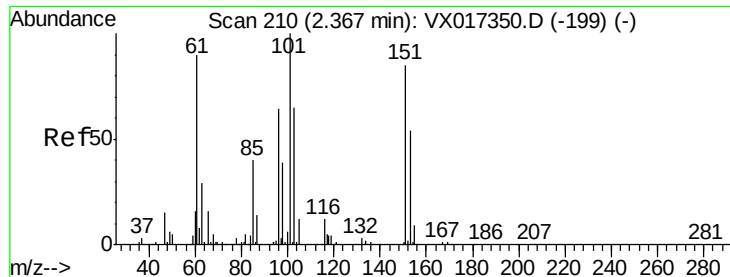


#8

Diethyl Ether
Concen: 21.109 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.840 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

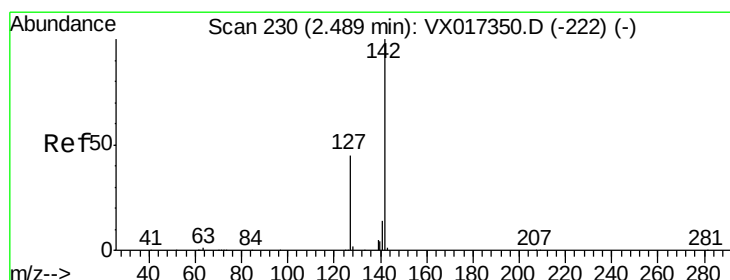
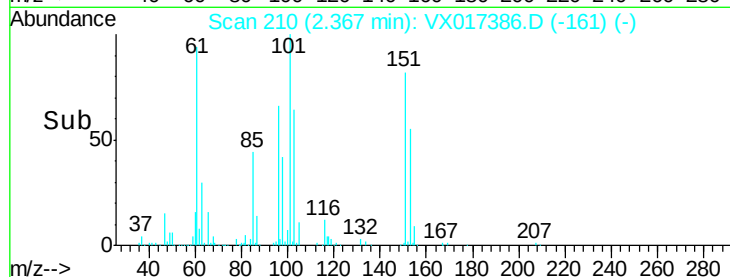
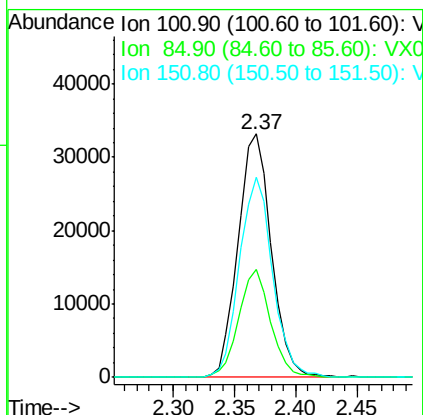
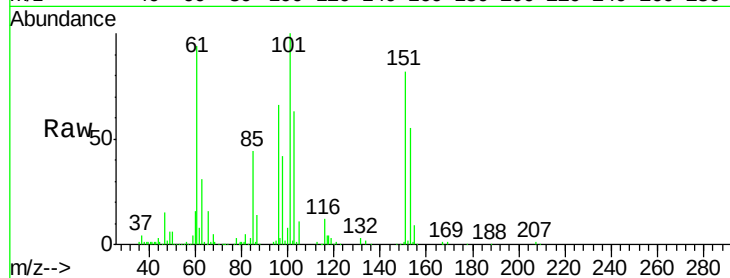
ClientSampleId :

VX0716WBS01

Tot Ion:	101	Resp:	62805
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.7	50.5
151	82.2	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.928 ug/l

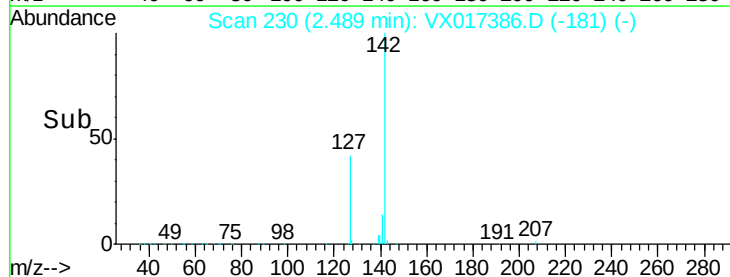
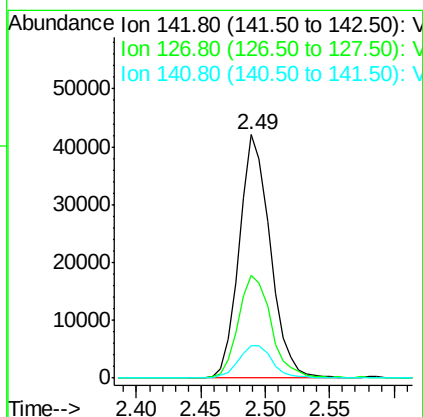
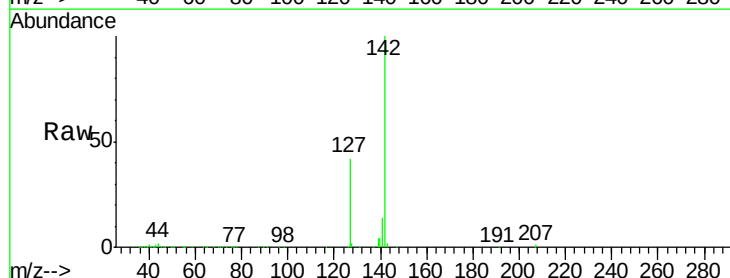
RT: 2.49 min Scan# 230

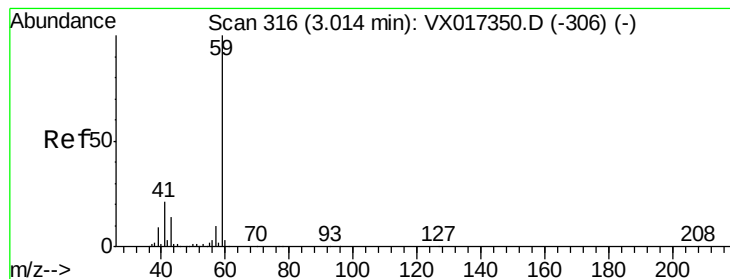
Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Tgt Ion:	142	Resp:	70239
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.8	55.2
141	14.6	11.4	17.0





#11

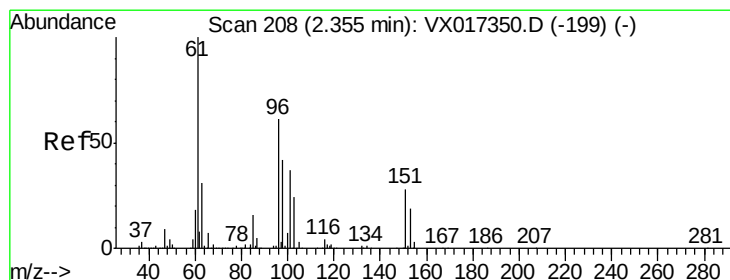
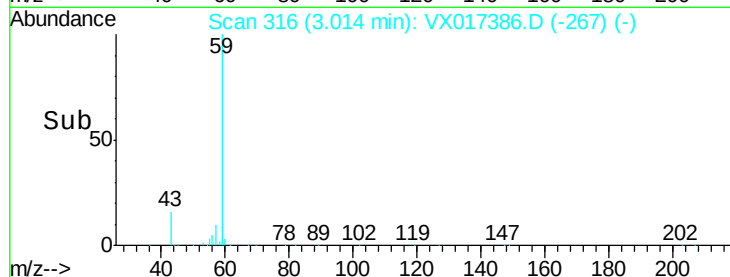
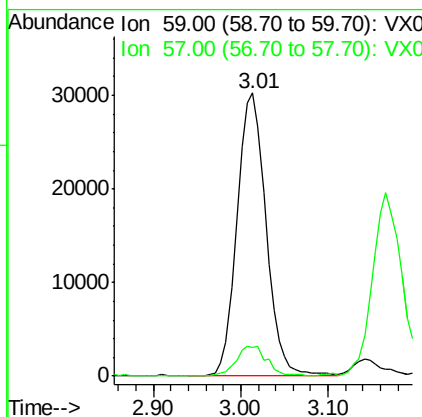
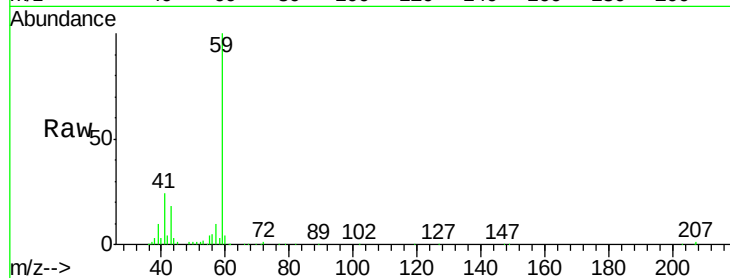
Tert butyl alcohol
Concen: 104.589 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.3	12.5

Manual Integrations
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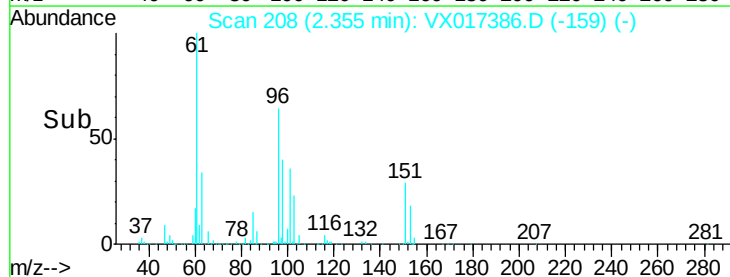
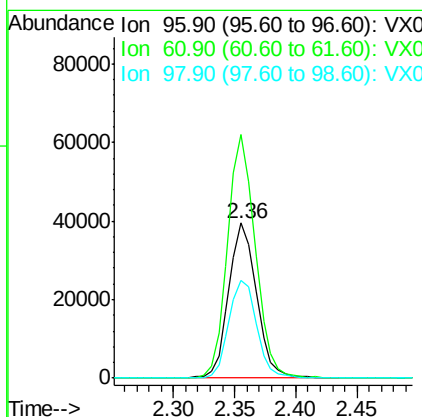
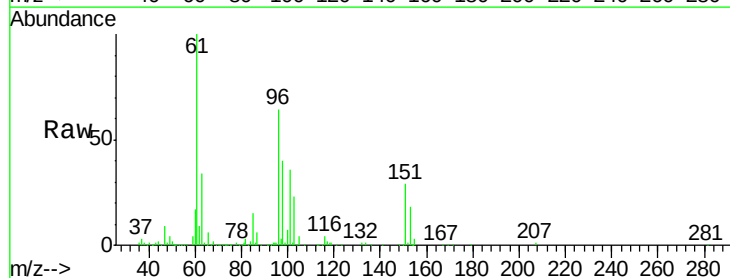
MMDadoda
7/17/2020 4:44:12 PM

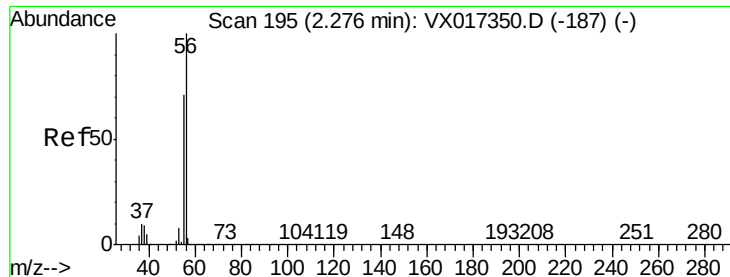


#12

1,1-Dichloroethene
Concen: 21.355 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	131.5	197.3
98	63.0	55.1	82.7





#13

Acrolein

Concen: 75.887 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 56 Resp: 27918

Ion Ratio Lower Upper

56 100

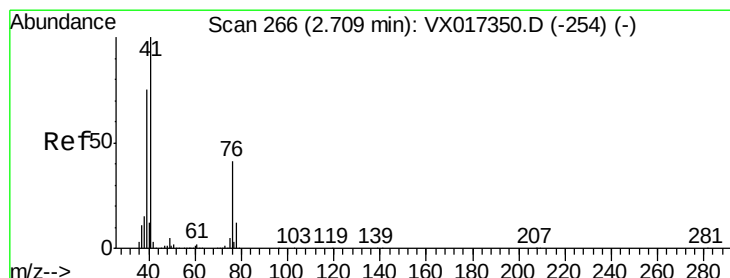
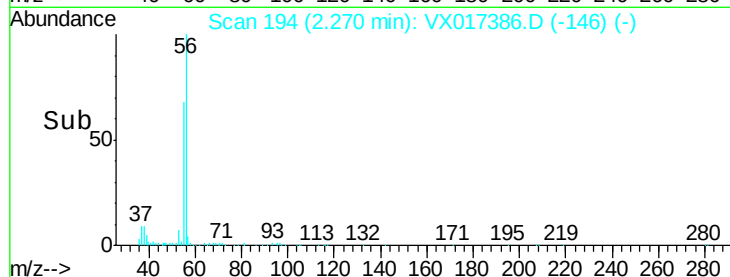
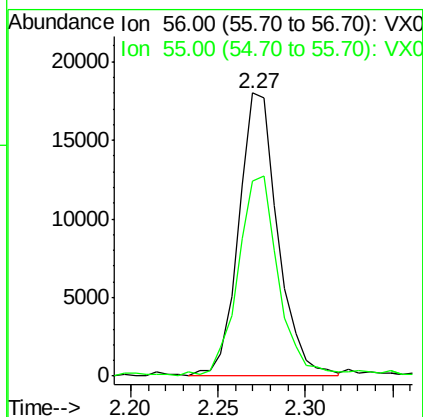
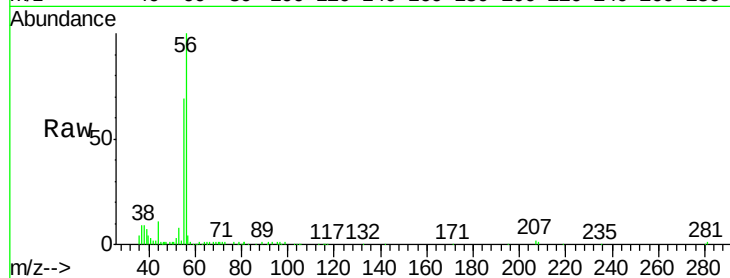
55 75.5 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 22.137 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

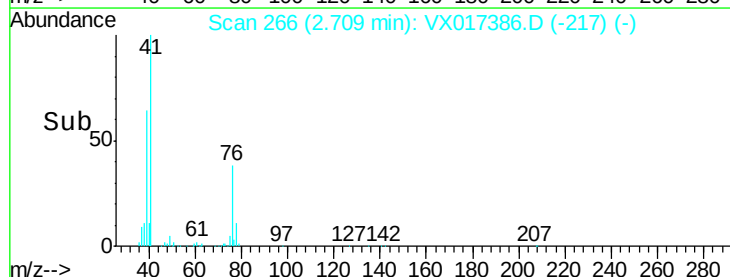
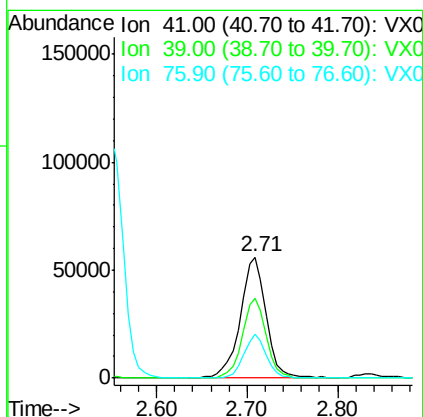
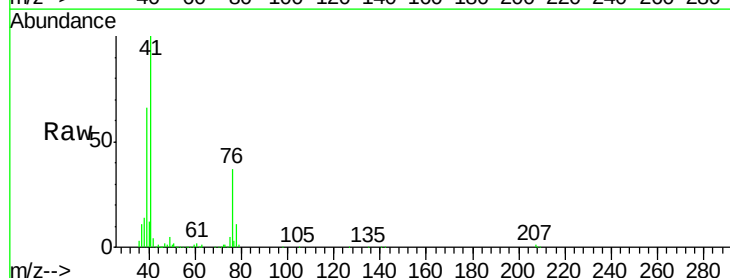
Tgt Ion: 41 Resp: 110785

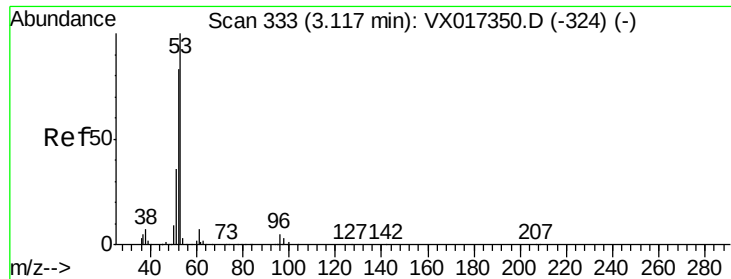
Ion Ratio Lower Upper

41 100

39 60.5 53.0 79.4

76 31.0 28.2 42.2





#15

Acrylonitrile

Concen: 110.203 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

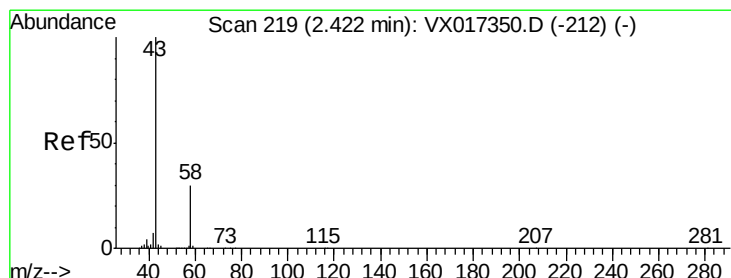
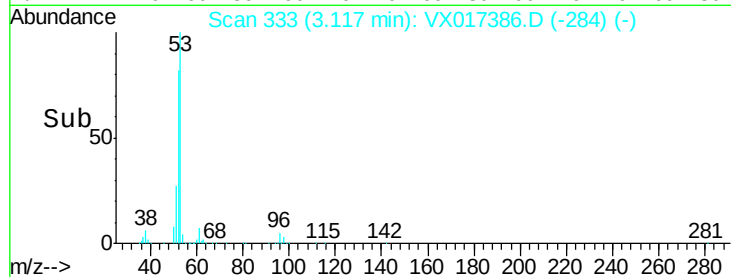
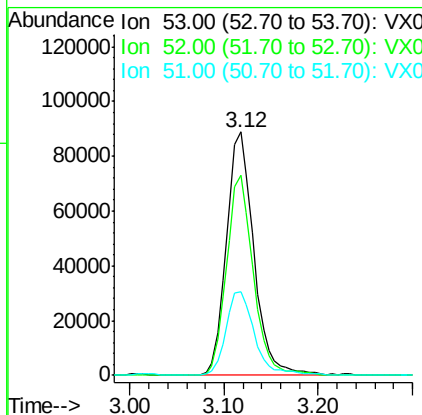
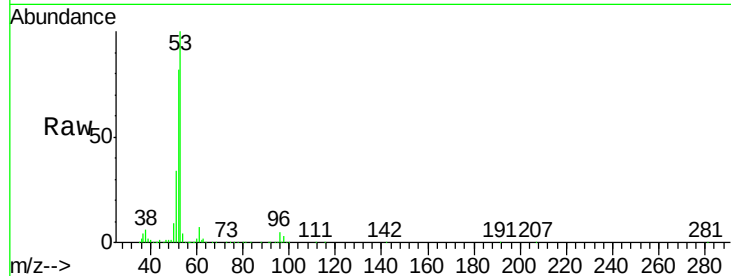
ClientSampleId :

VX0716WBS01

Tot Ion	53	Resp	179289
Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.8	98.6
51	36.1	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 105.609 ug/l

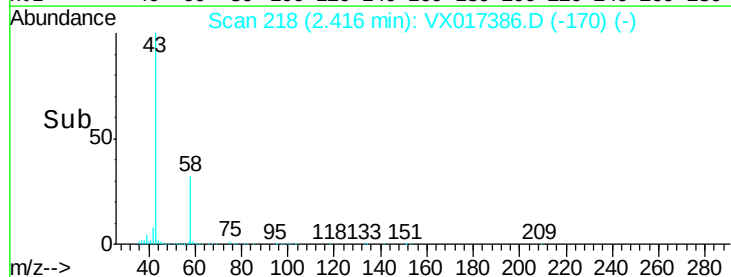
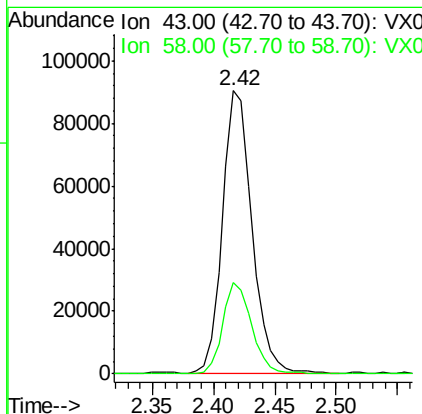
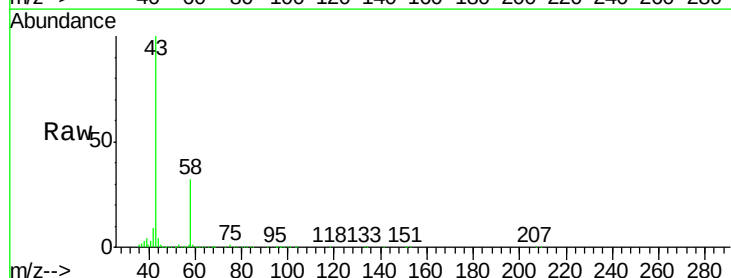
RT: 2.42 min Scan# 218

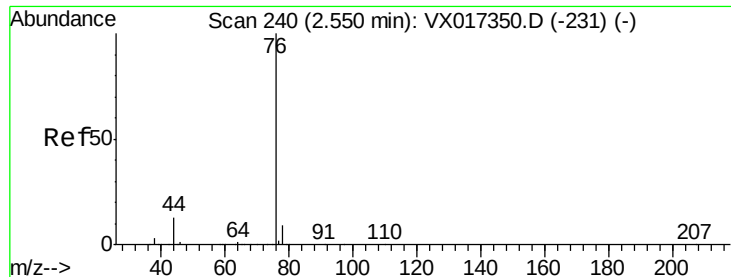
Delta R.T. -0.01 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Tgt Ion	43	Resp	150078
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.2	36.2





#17

Carbon Disulfide

Concen: 21.645 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 76 Resp: 182365

Ion Ratio Lower Upper

76 100

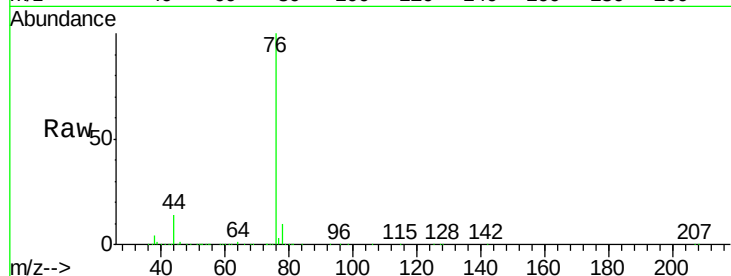
78 9.6 7.3 10.9

Manual Integrations

APPROVED

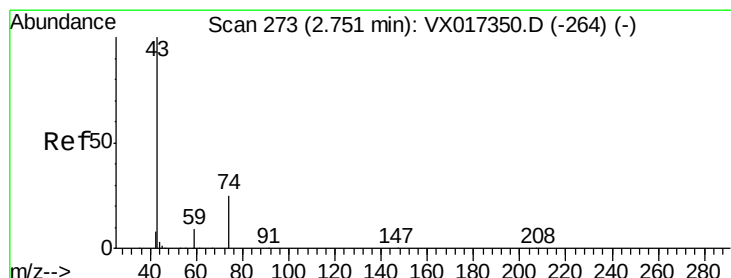
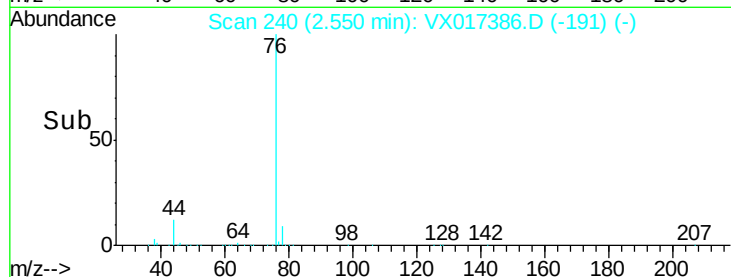
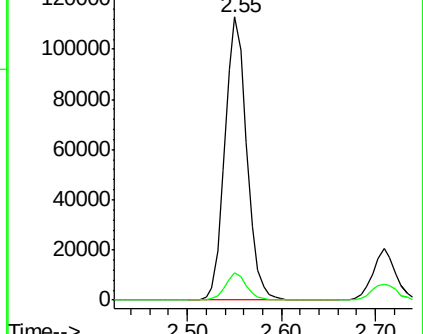
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.622 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX017386.D

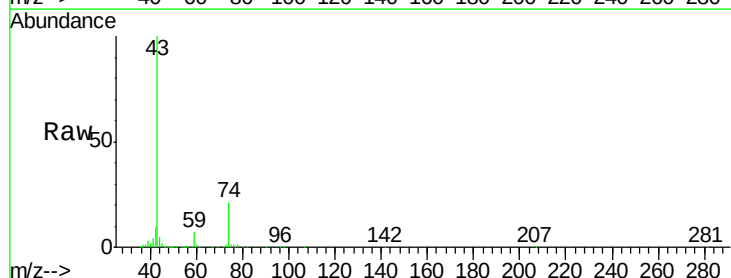
Acq: 16 Jul 2020 13:03

Tgt Ion: 43 Resp: 79403

Ion Ratio Lower Upper

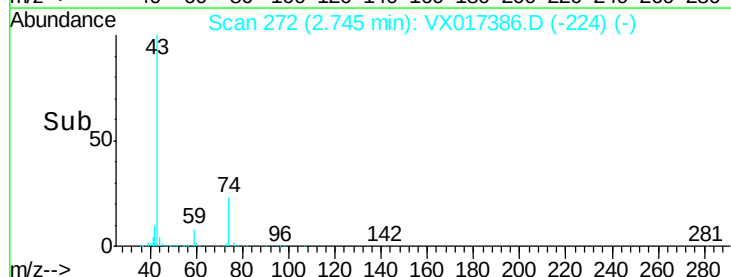
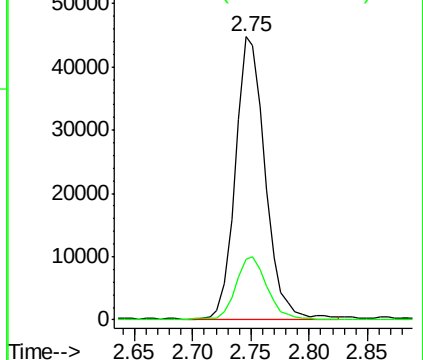
43 100

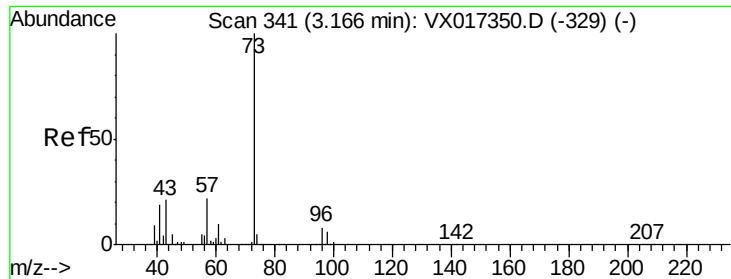
74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

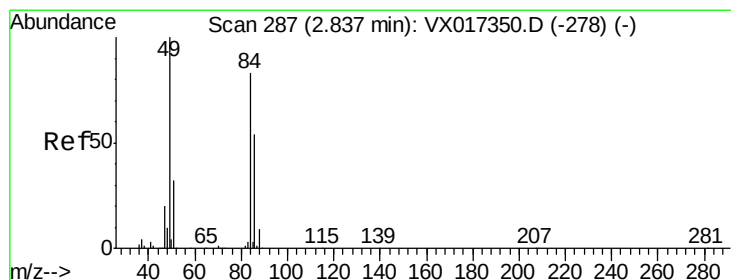
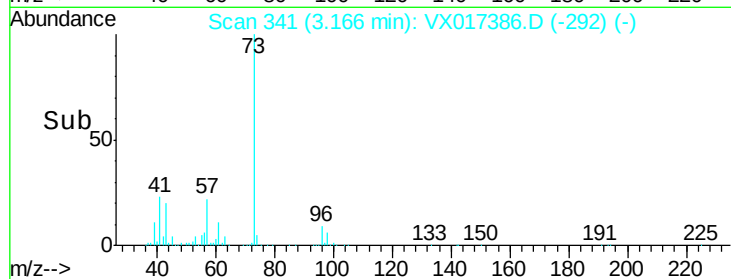
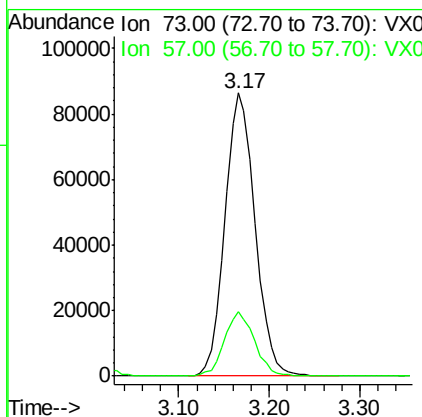
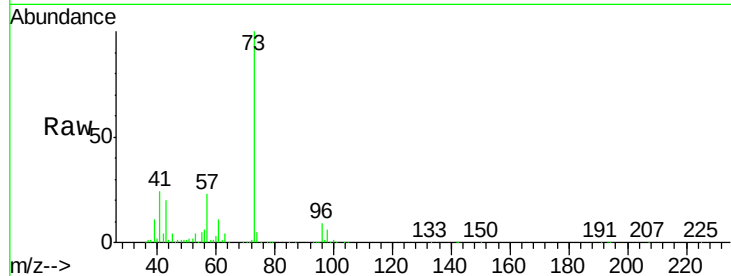
Methyl tert-butyl Ether
 Concen: 20.321 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.5	26.3

Manual Integrations
 APPROVED

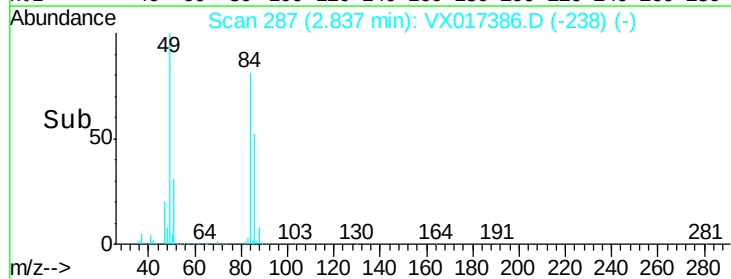
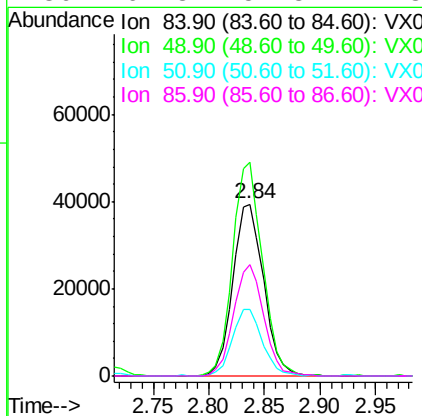
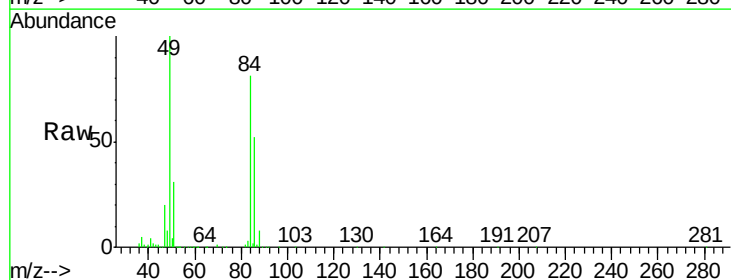
MMDadoda
 7/17/2020 4:44:12 PM

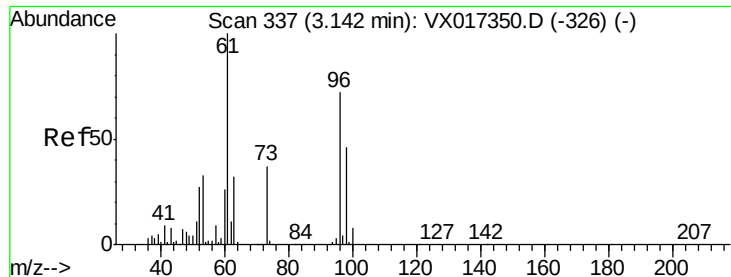


#20

Methylene Chloride
 Concen: 21.767 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.8	95.8	143.8
51	38.4	31.0	46.4
86	64.3	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 20.833 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

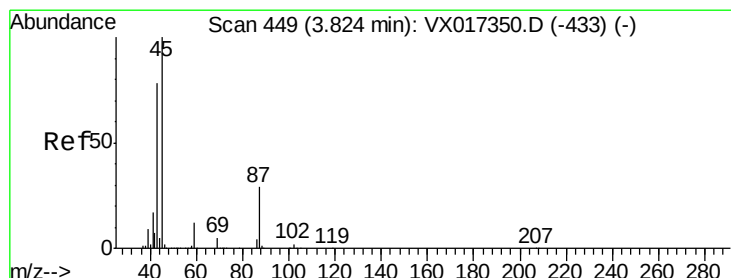
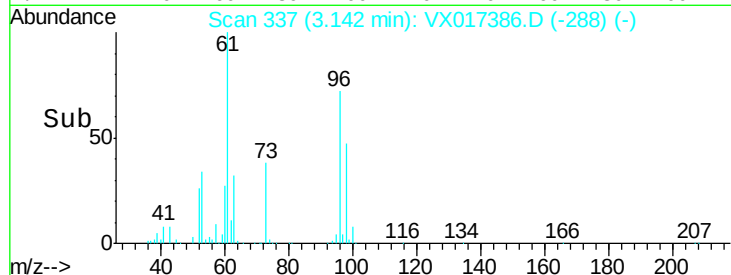
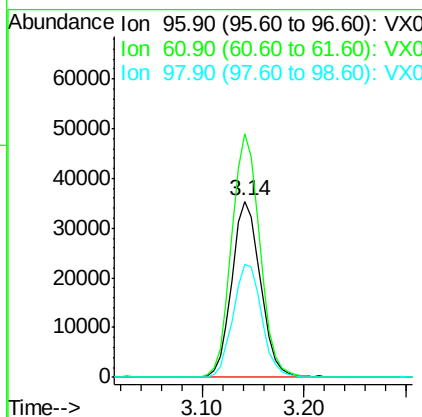
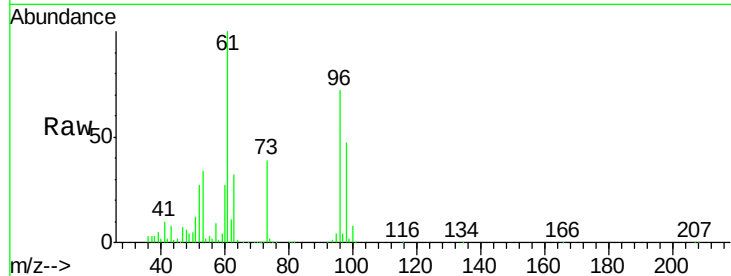
ClientSampleId :

VX0716WBS01

Tot Ion:	96	Resp:	68844
Ion	Ratio	Lower	Upper
96	100		
61	137.7	111.1	166.7
98	64.3	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.865 ug/l

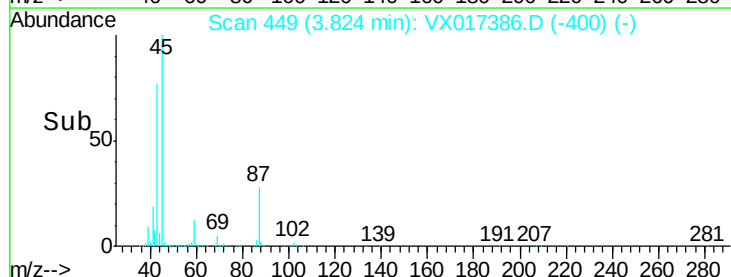
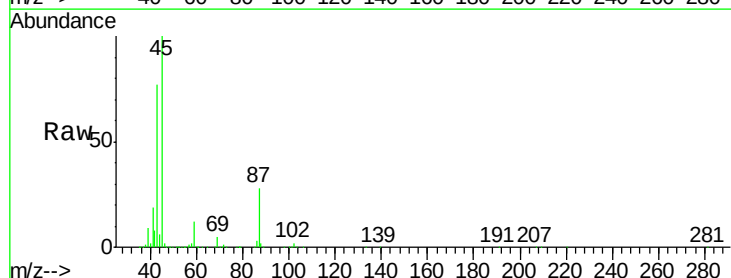
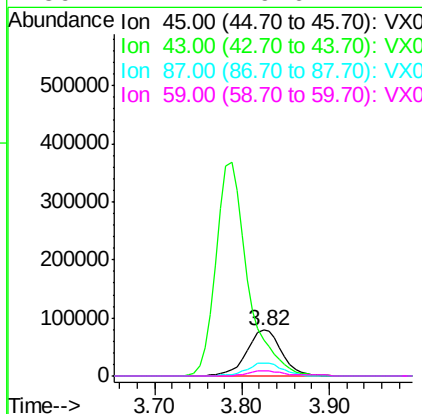
RT: 3.82 min Scan# 449

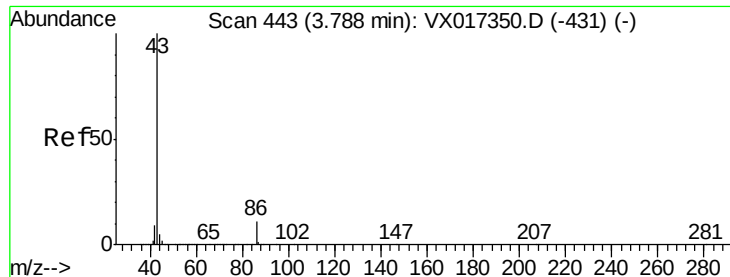
Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Tgt Ion:	45	Resp:	217968
Ion	Ratio	Lower	Upper
45	100		
43	76.5	62.2	93.2
87	28.3	23.0	34.6
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 110.862 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 43 Resp: 929452

Ion Ratio Lower Upper

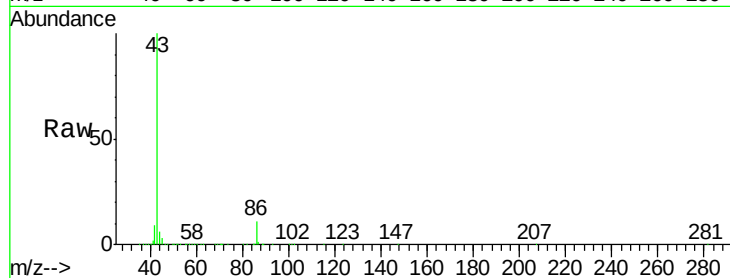
43 100

86 11.2 9.0 13.4

Manual Integrations
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7/17/2020 4:44:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

400000

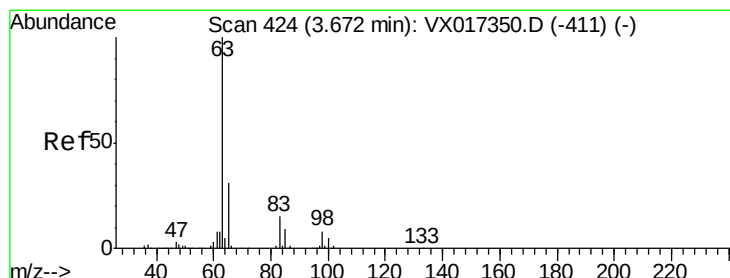
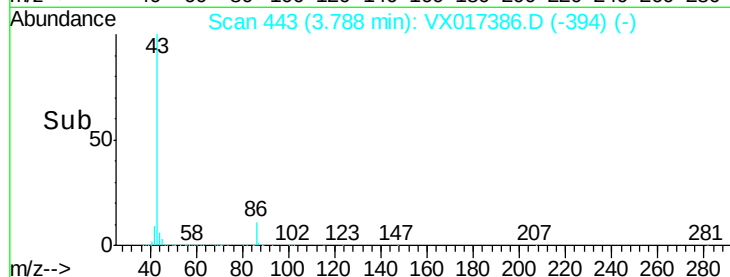
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.750 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

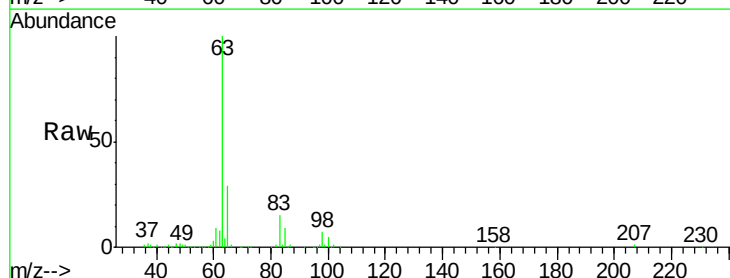
Tgt Ion: 63 Resp: 121854

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.5

100 4.9 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

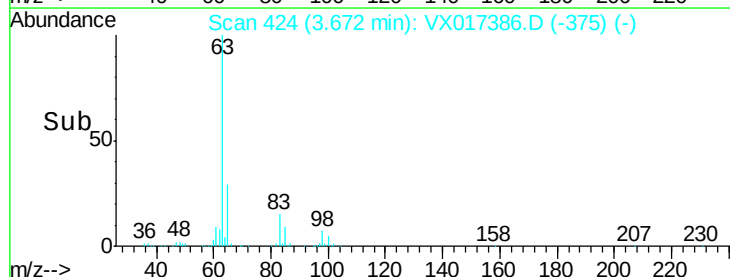
60000

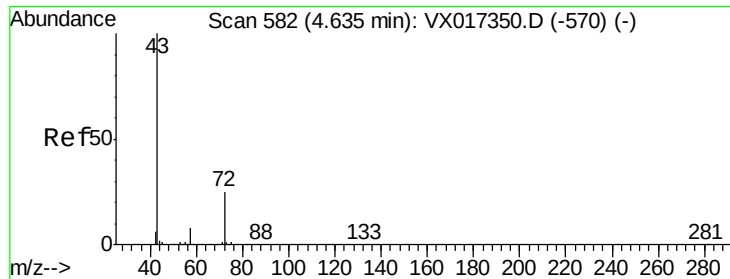
40000

20000

0

Time-->





#25

2-Butanone

Concen: 108.007 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 43 Resp: 243782

Ion Ratio Lower Upper

43 100

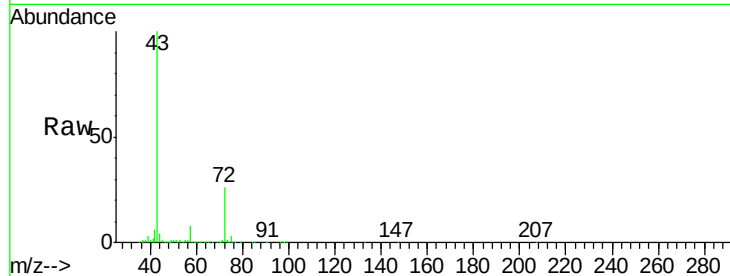
72 25.9 20.4 30.6

Manual Integrations

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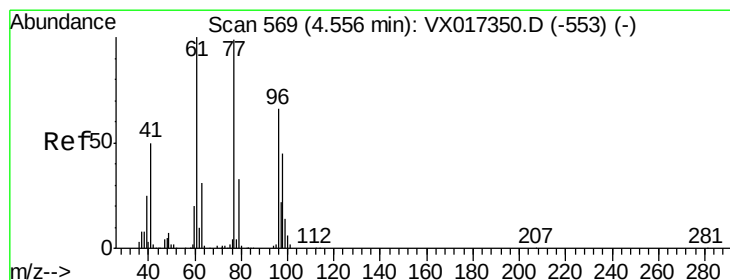
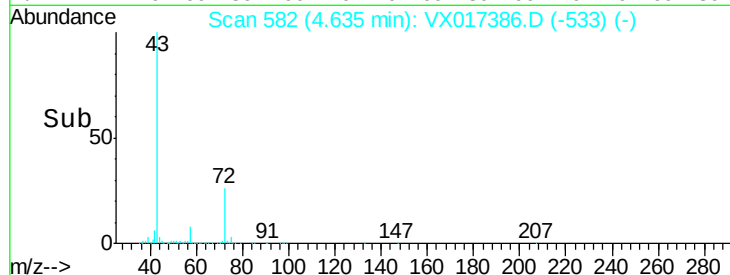
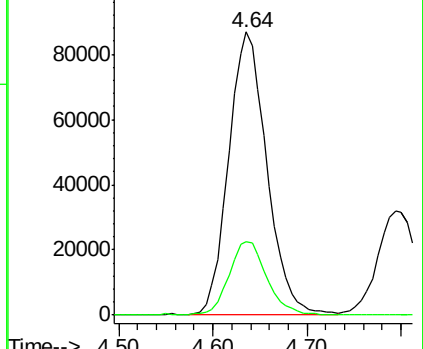
MMDadoda

7/17/2020 4:44:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.145 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017386.D

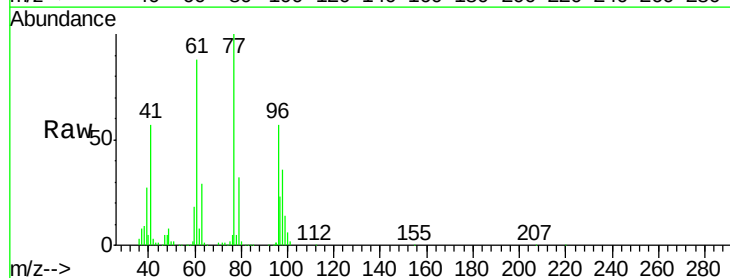
Acq: 16 Jul 2020 13:03

Tgt Ion: 77 Resp: 105039

Ion Ratio Lower Upper

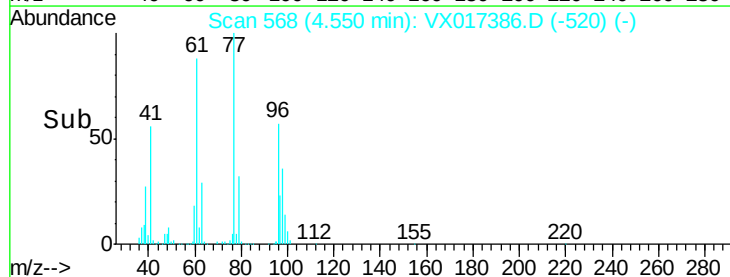
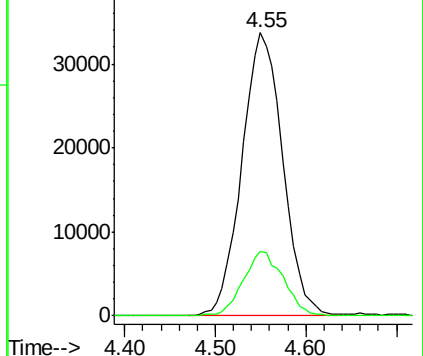
77 100

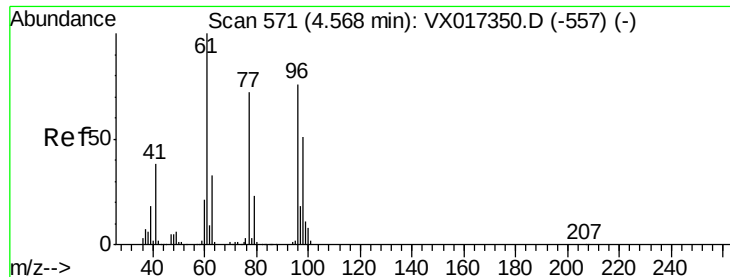
97 22.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

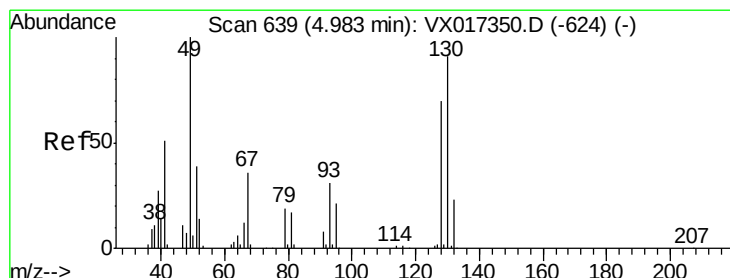
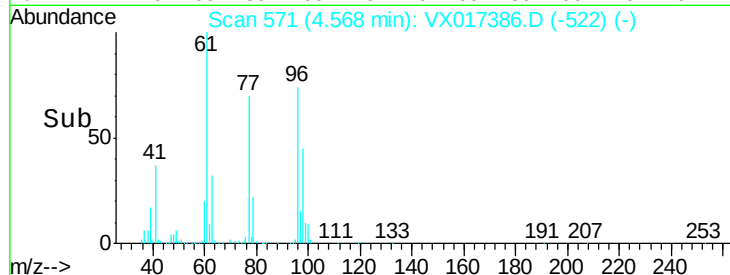
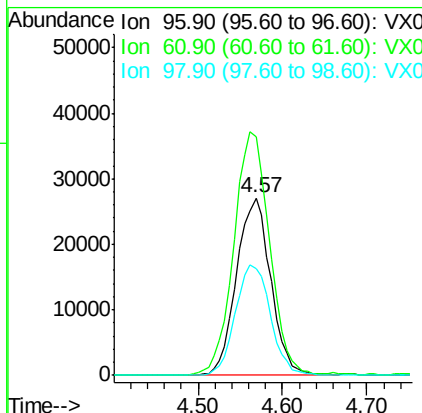
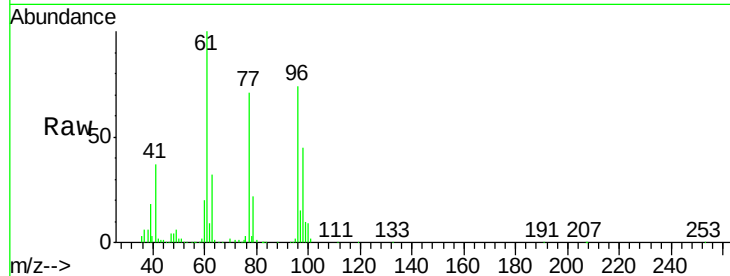
cis-1,2-Dichloroethene
Concen: 20.552 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	281.2
98	63.9	0.0	131.4

Manual Integrations
APPROVED

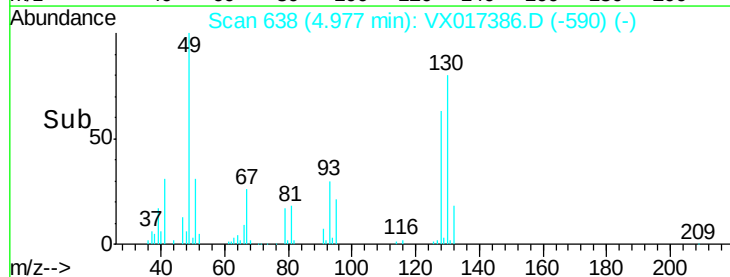
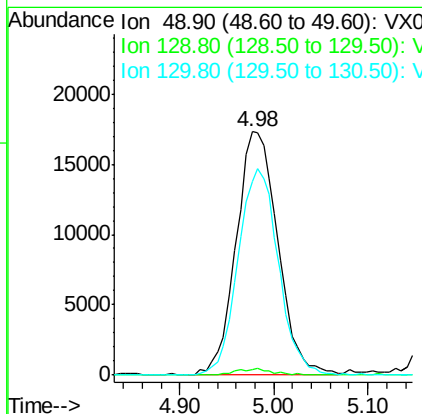
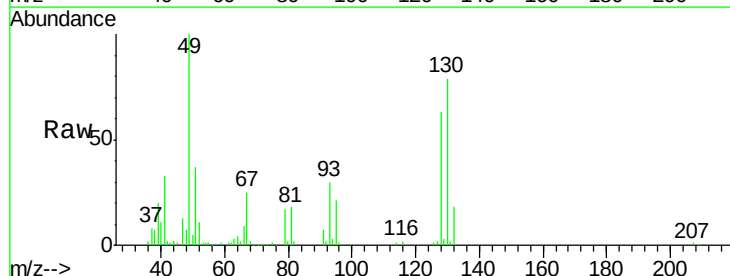
MMDadoda
7/17/2020 4:44:12 PM

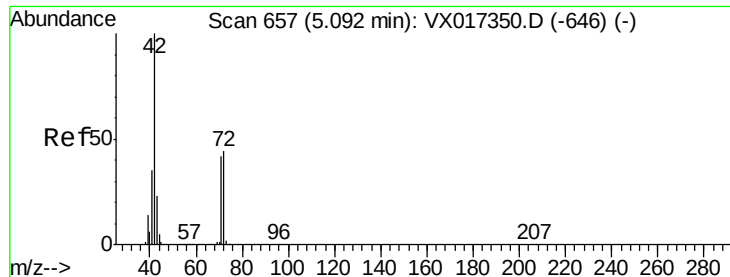


#28

Bromochloromethane
Concen: 20.736 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	82.3	71.1	106.7





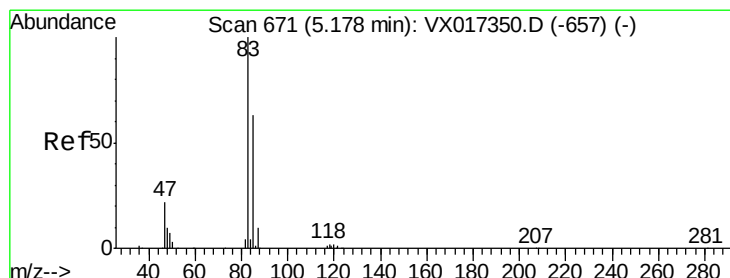
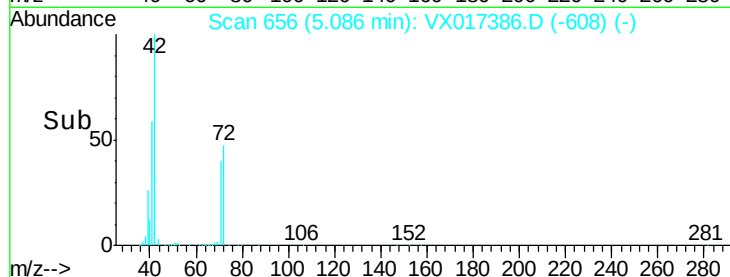
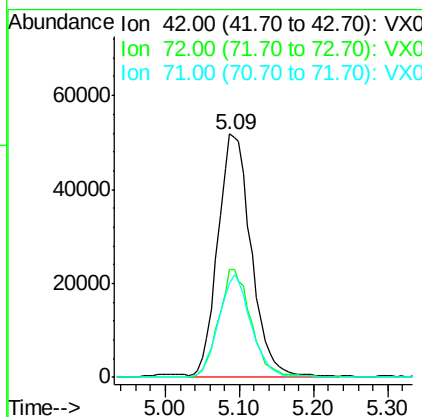
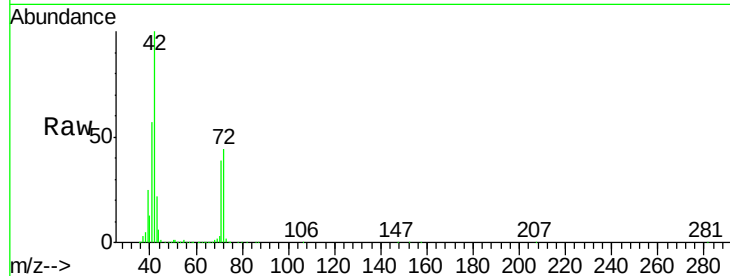
#29
Tetrahydrofuran
Concen: 109.258 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	37.2	55.8
71	41.5	34.4	51.6

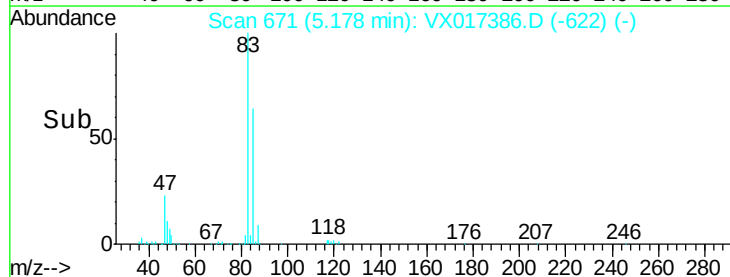
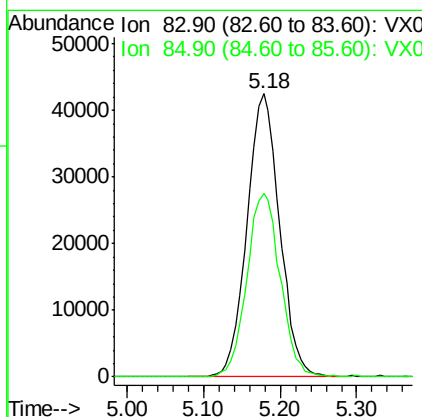
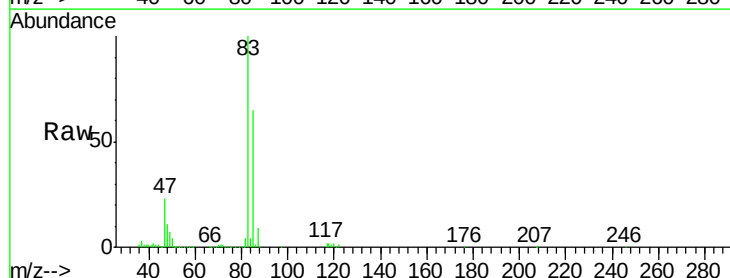
Manual Integrations
APPROVED

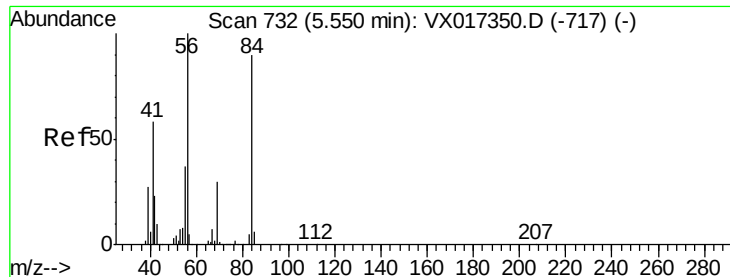
MMDadoda
7/17/2020 4:44:12 PM



#30
Chloroform
Concen: 20.972 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.4





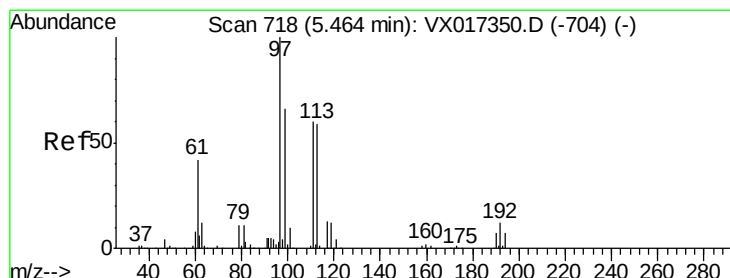
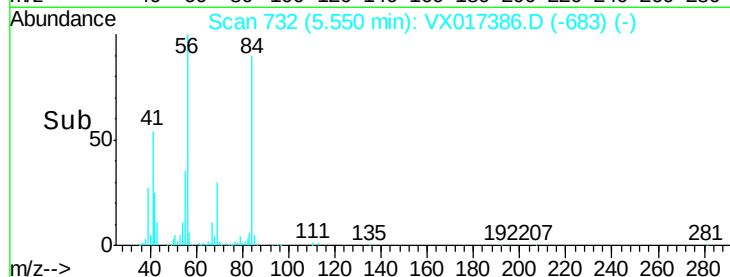
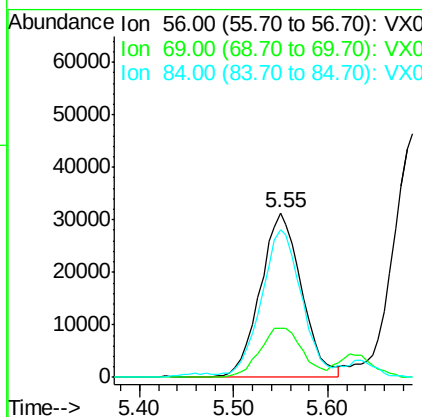
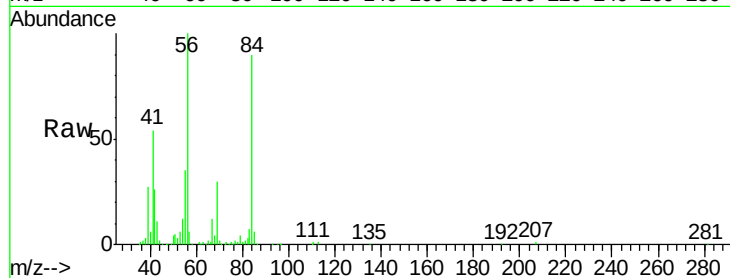
#31
Cyclohexane
Concen: 20.960 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	30.0	23.7	35.5	
84	88.0	71.8	107.6	

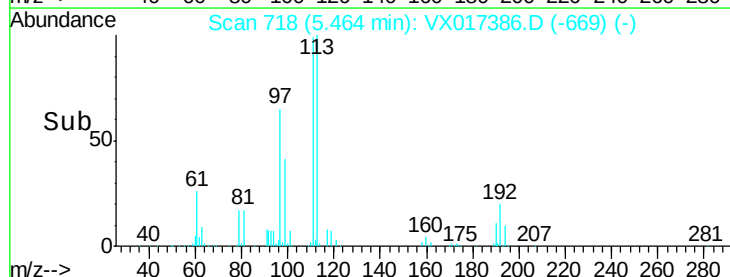
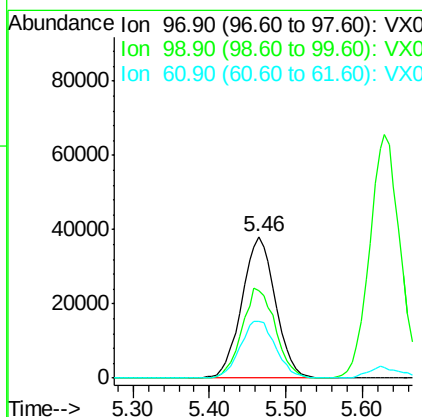
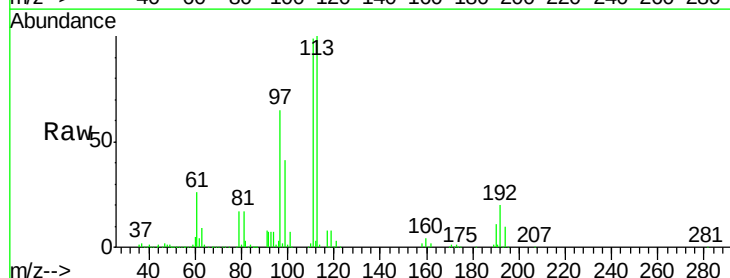
Manual Integrations
APPROVED

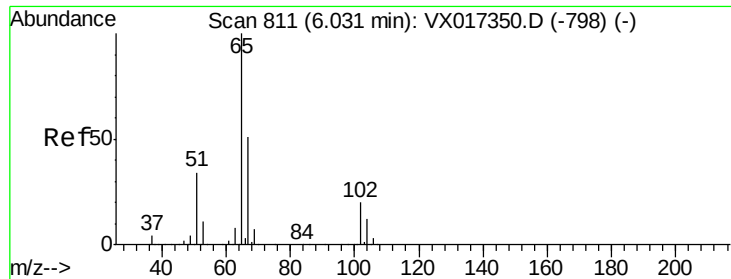
MMDadoda
7/17/2020 4:44:12 PM



#32
1,1,1-Trichloroethane
Concen: 20.757 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.4	51.2	76.8	
61	43.3	32.7	49.1	





#33

1,2-Dichloroethane-d4

Concen: 49.383 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

VX0716WBS01

Tot Ion: 65 Resp: 196707

Ion Ratio Lower Upper

65 100

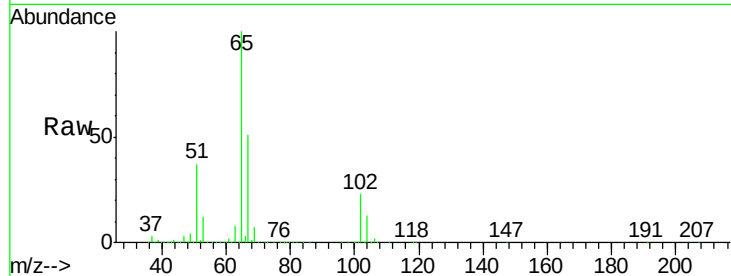
67 52.0 0.0 101.6

Manual Integrations

APPROVED

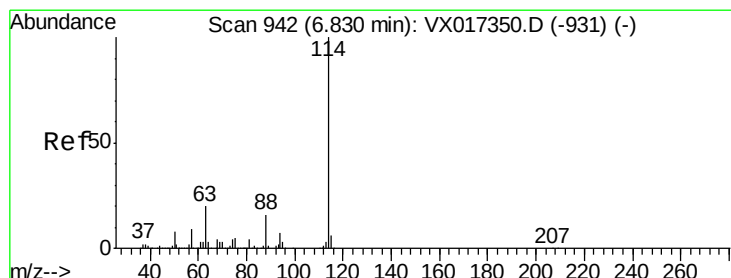
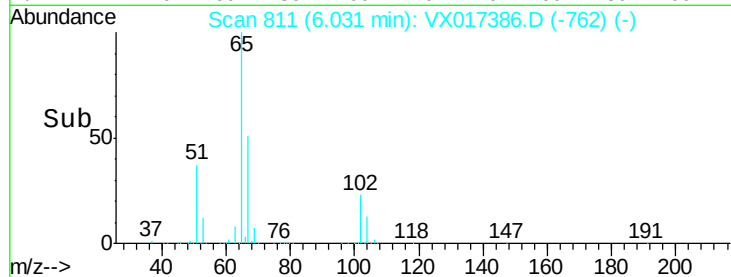
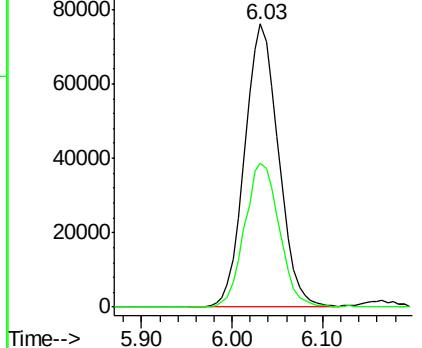
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

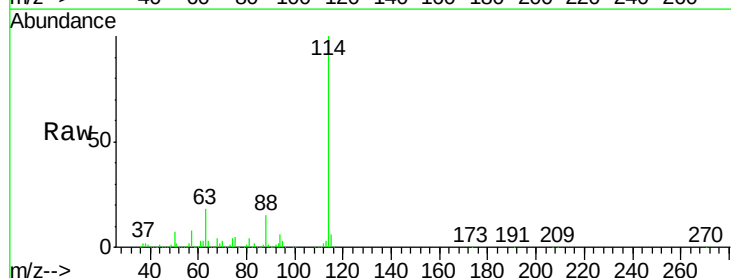
Tgt Ion: 114 Resp: 490236

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.0

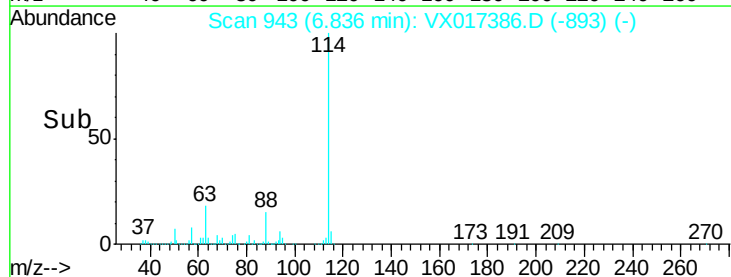
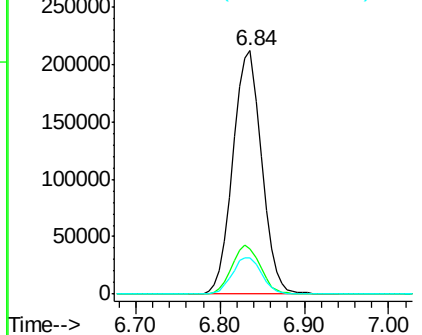
88 14.8 0.0 32.8

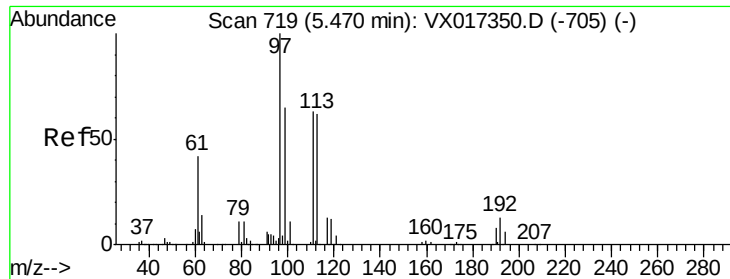


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





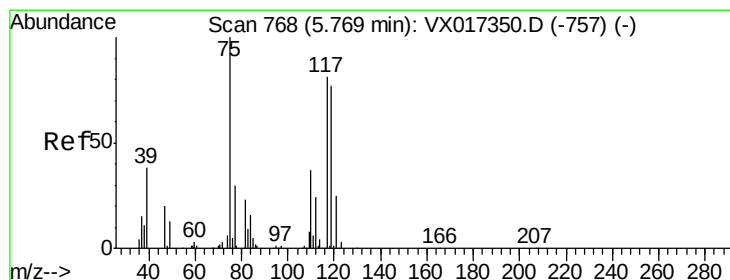
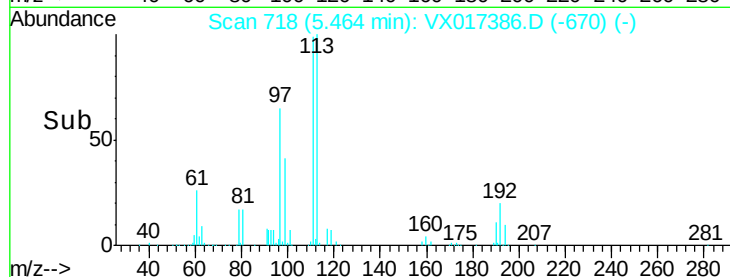
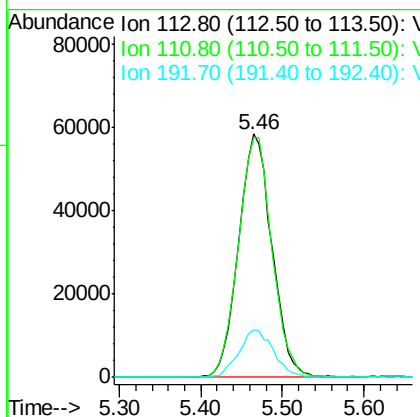
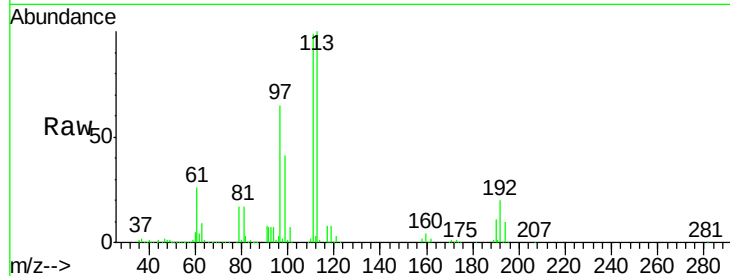
#35
Dibromofluoromethane
Concen: 50.063 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165323		
111	100.3	82.4	123.6	
192	20.4	17.2	25.8	

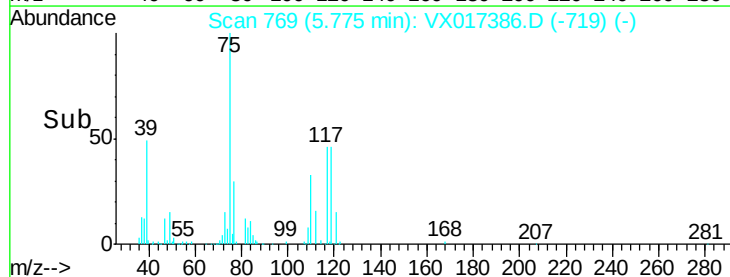
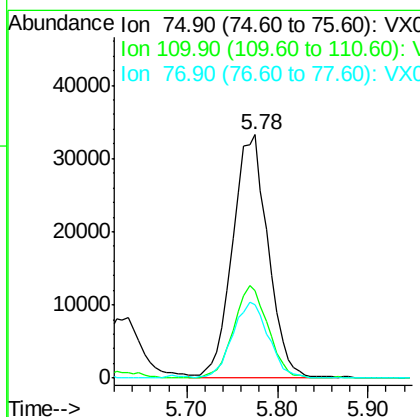
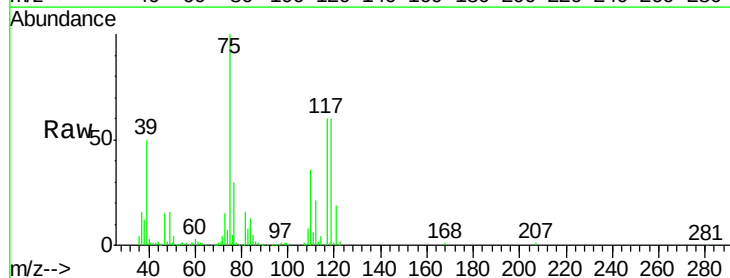
Manual Integrations
APPROVED

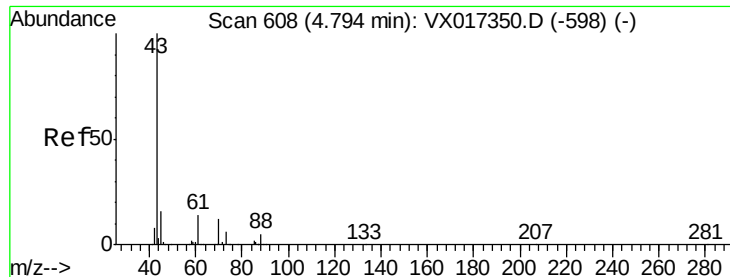
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.888 ug/l
RT: 5.78 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89679		
110	36.9	18.6	55.8	
77	32.0	24.9	37.3	





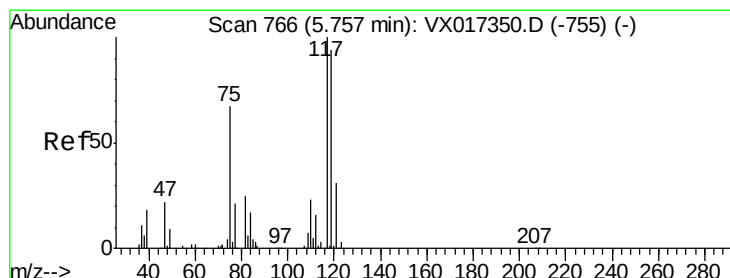
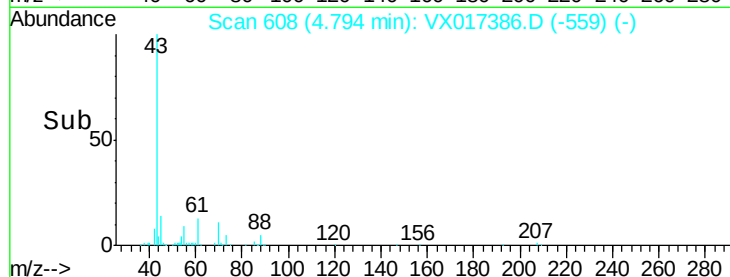
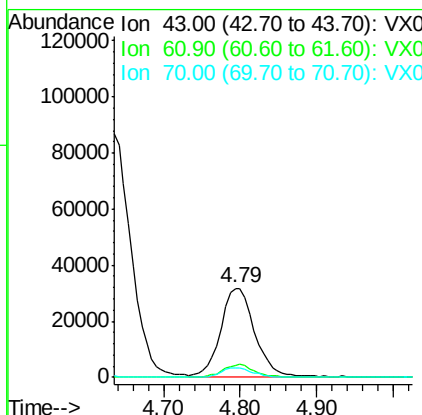
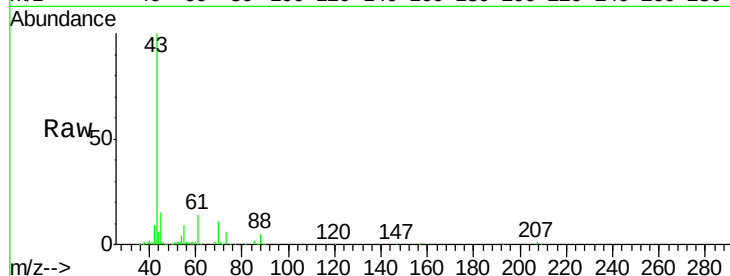
#37
Ethyl Acetate
Concen: 20.650 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.7	16.1
70	10.6	9.0	13.6

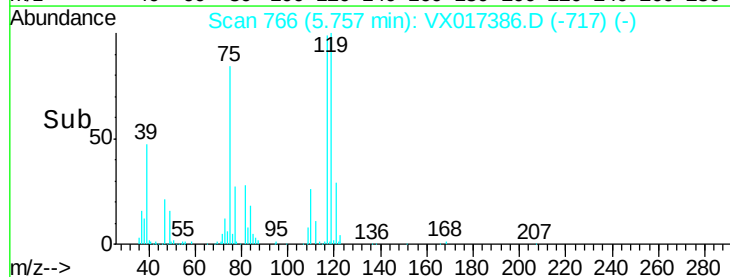
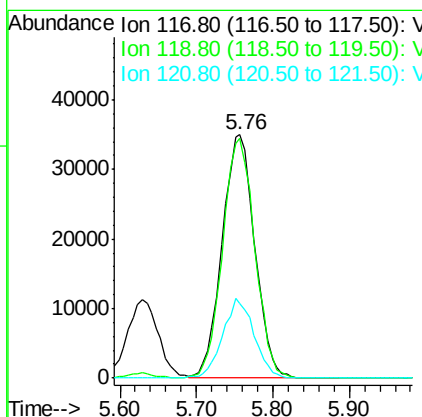
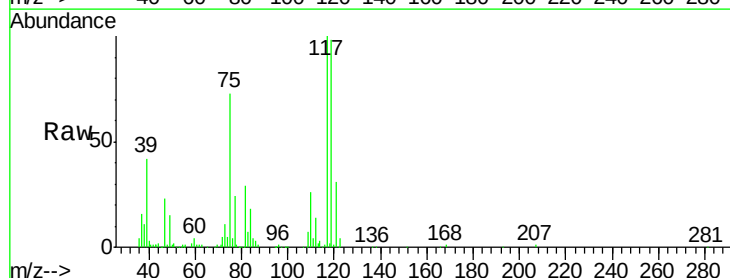
Manual Integrations
APPROVED

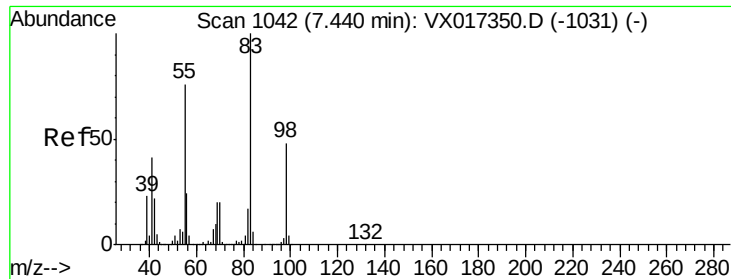
MMDadoda
7/17/2020 4:44:12 PM



#38
Carbon Tetrachloride
Concen: 19.607 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	74.7	112.1
121	30.5	24.5	36.7





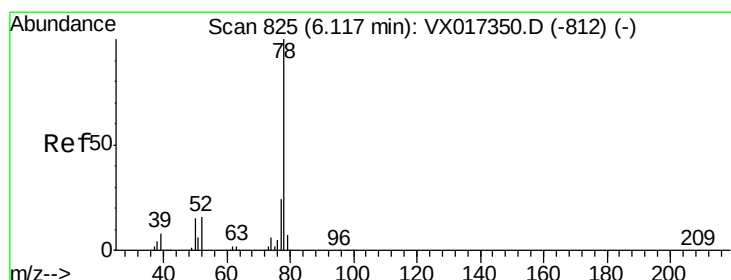
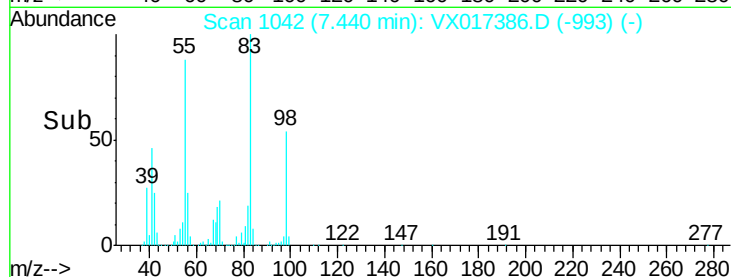
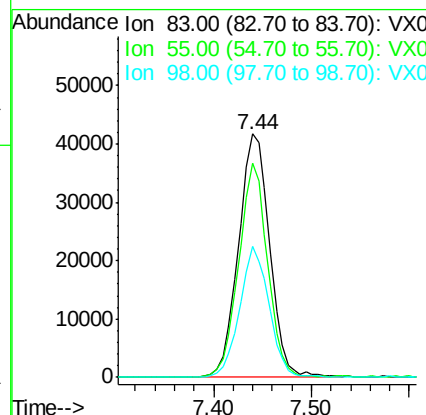
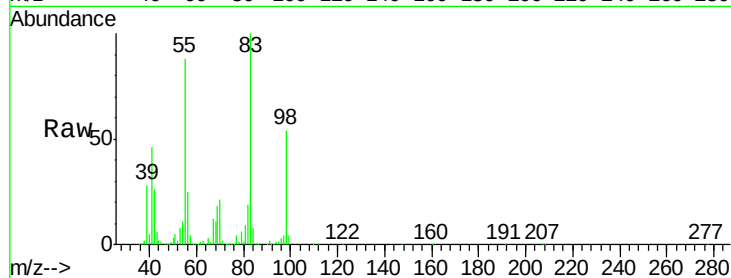
#39
Methylvlcyclohexane
Concen: 18.864 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	61.2	91.8
98	54.0	38.1	57.1

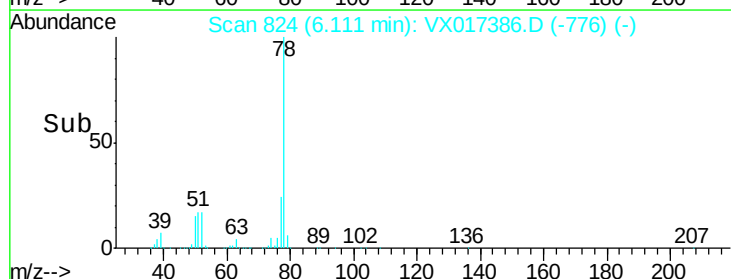
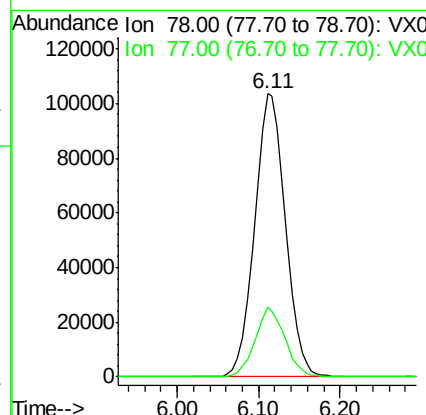
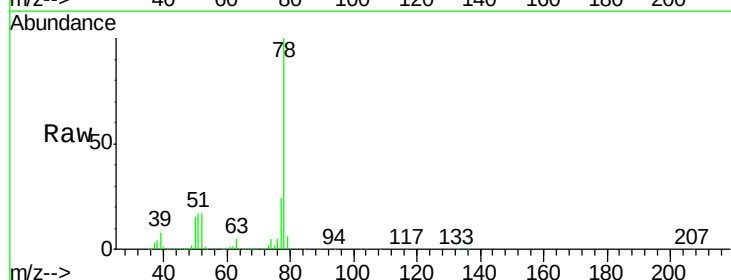
Manual Integrations
APPROVED

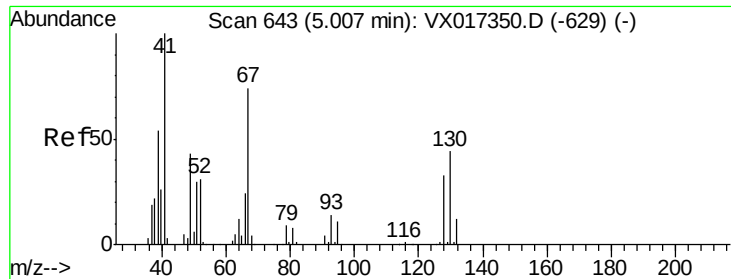
MMDadoda
7/17/2020 4:44:12 PM



#40
Benzene
Concen: 21.033 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.9	28.3





#41

Methacrylonitrile

Concen: 20.560 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.01 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 41 Resp: 51473

Ion Ratio Lower Upper

41 100

39 55.0 43.8 65.8

67 72.6 58.7 88.1

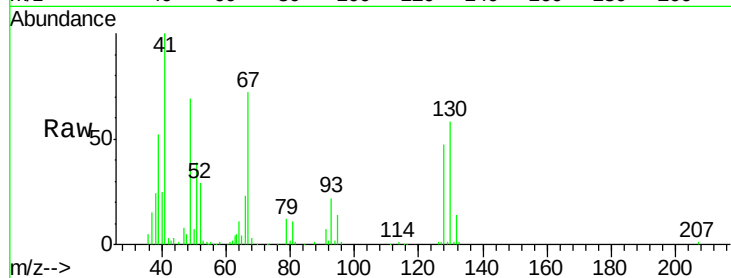
52 29.7 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

7/17/2020 4:44:12 PM

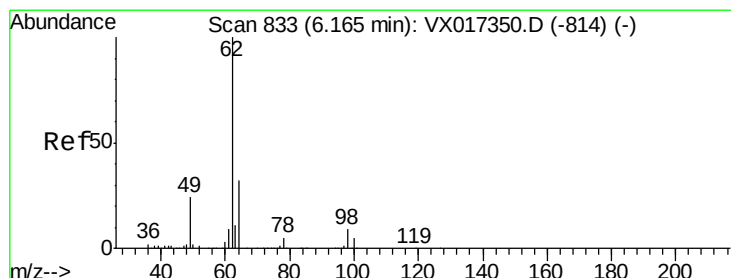
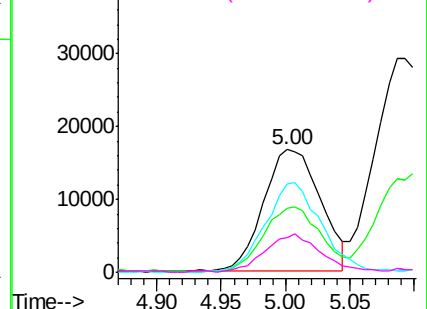
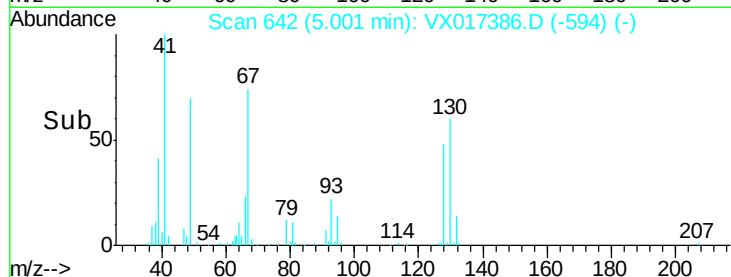


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.167 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017386.D

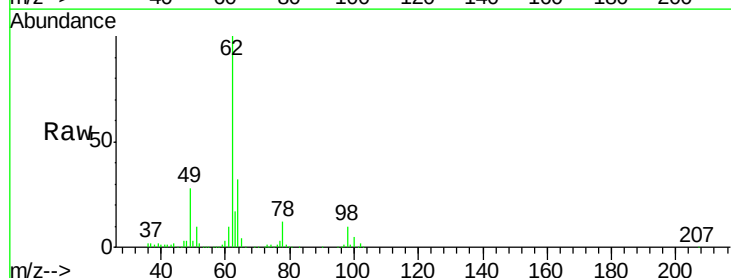
Acq: 16 Jul 2020 13:03

Tgt Ion: 62 Resp: 101542

Ion Ratio Lower Upper

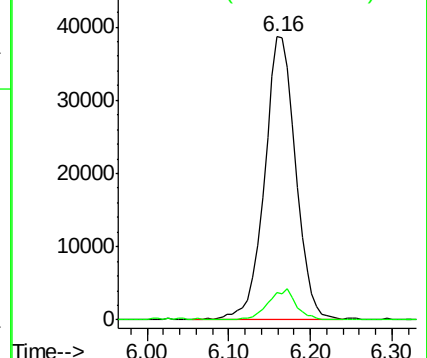
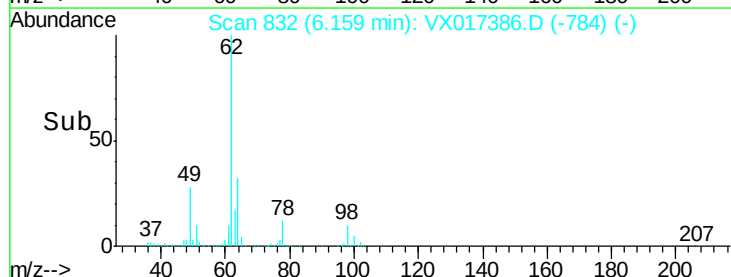
62 100

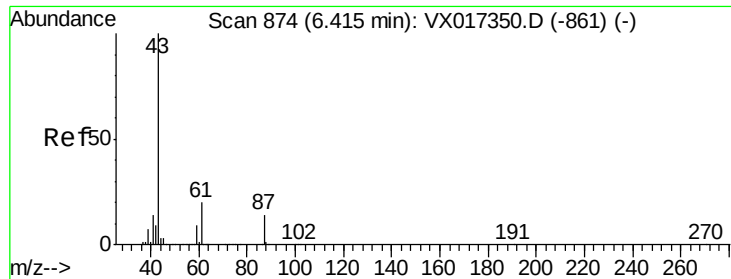
98 9.9 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





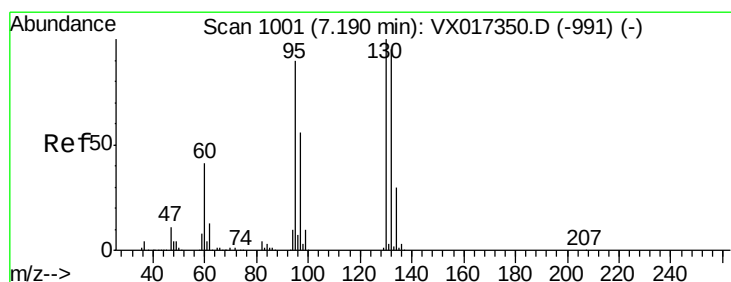
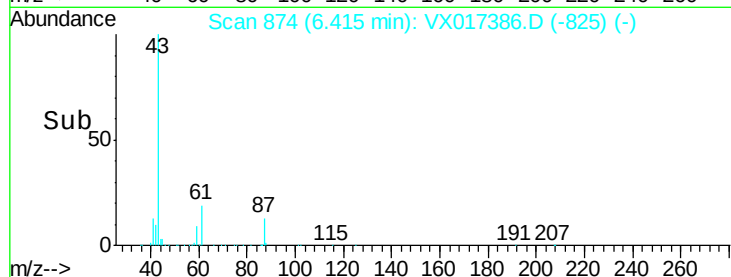
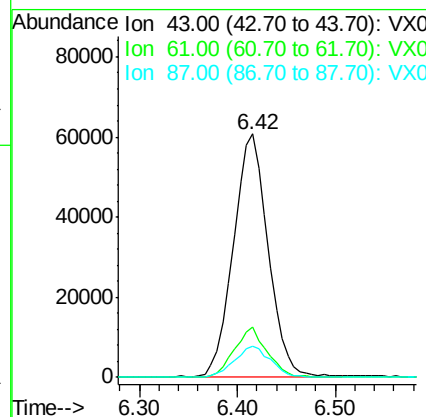
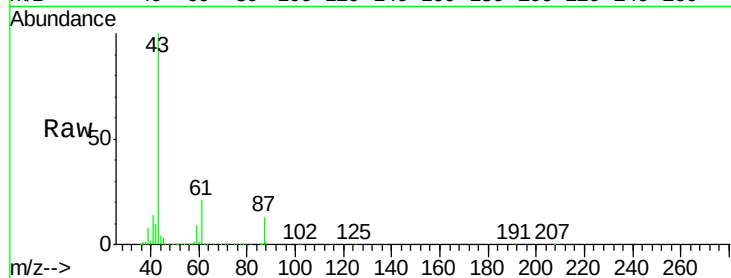
#43
Isopropyl Acetate
Concen: 19.989 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.4	24.6
87	13.3	11.2	16.8

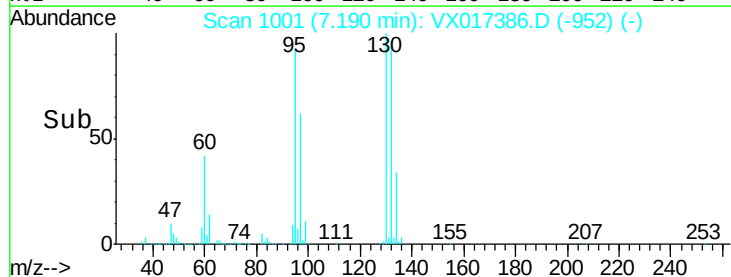
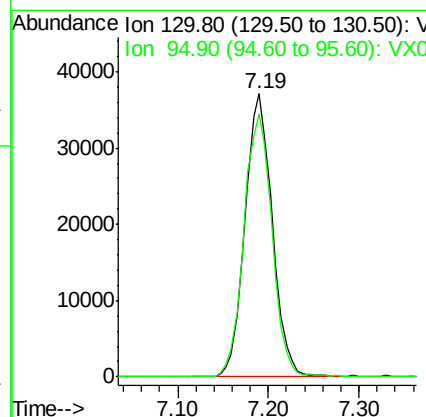
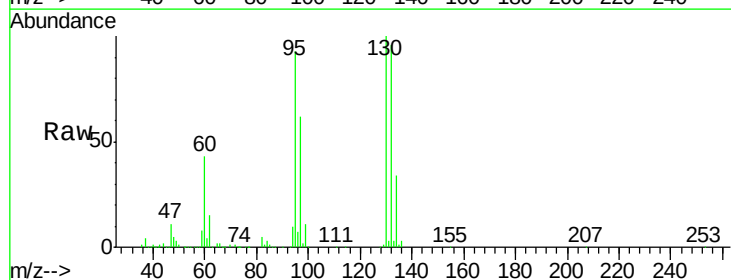
Manual Integrations
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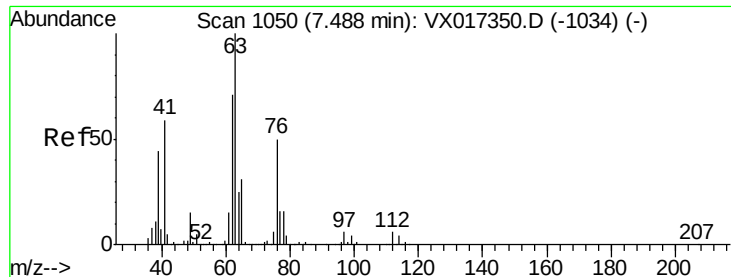
MMDadoda
7/17/2020 4:44:12 PM



#44
Trichloroethene
Concen: 19.585 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	180.2





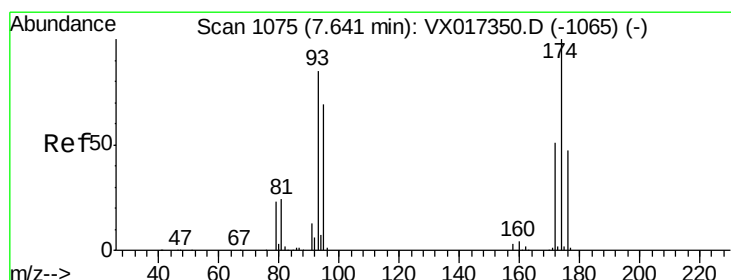
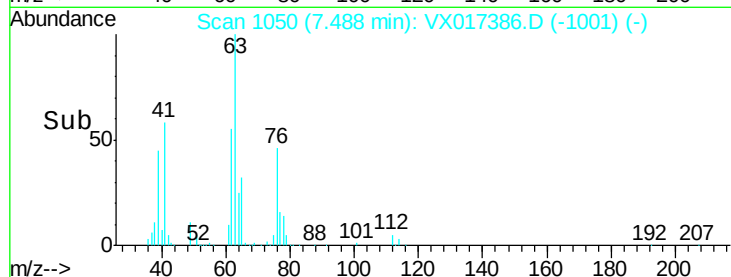
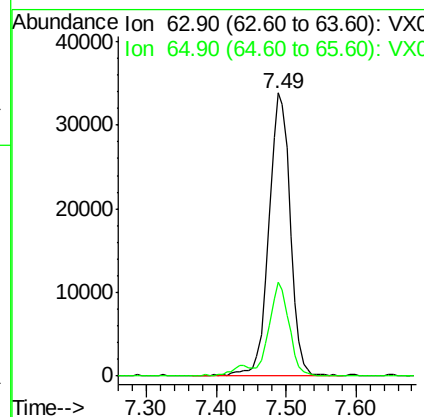
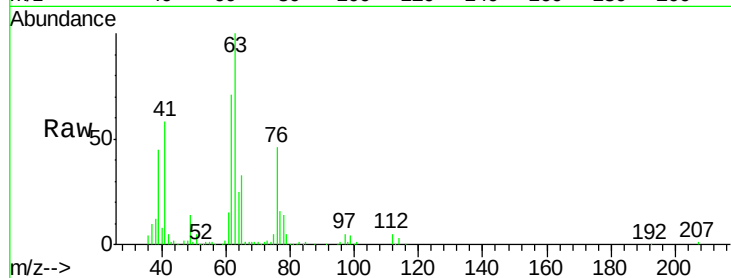
#45
 1,2-Dichloropropane
 Concen: 21.773 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	24.5	36.7

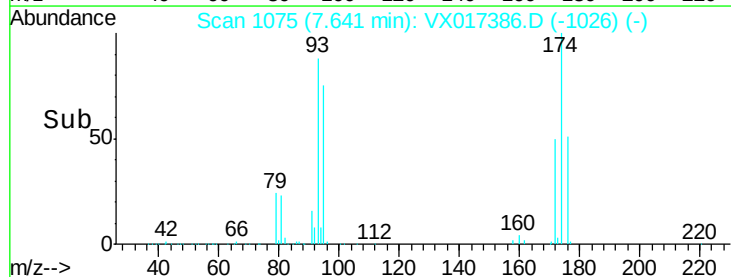
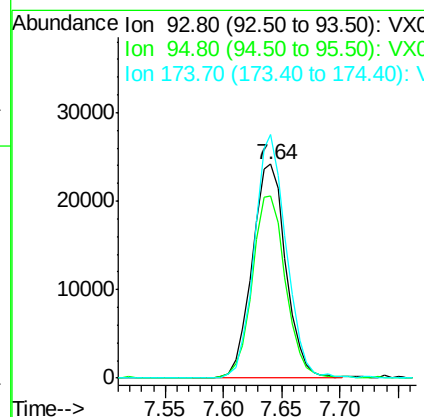
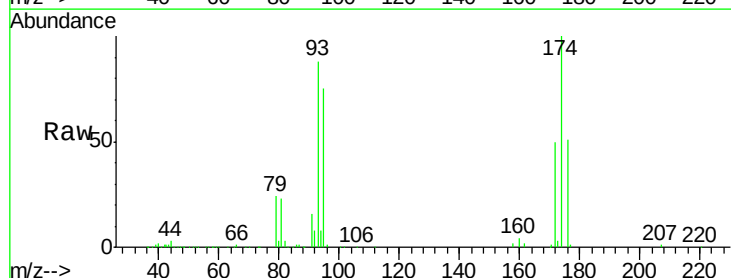
Manual Integrations
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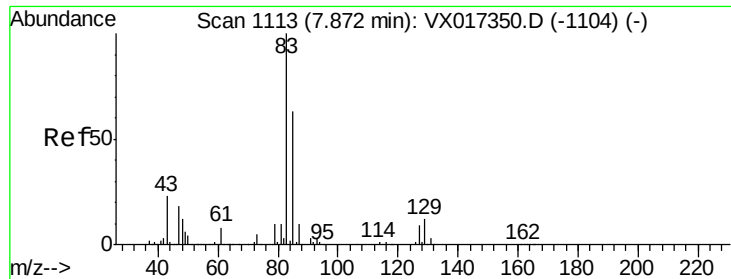
MMDadoda
 7/17/2020 4:44:12 PM



#46
 Dibromomethane
 Concen: 20.423 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.4	98.2
174	107.6	91.2	136.8





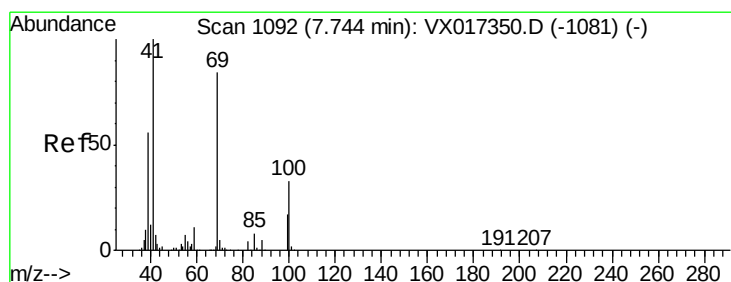
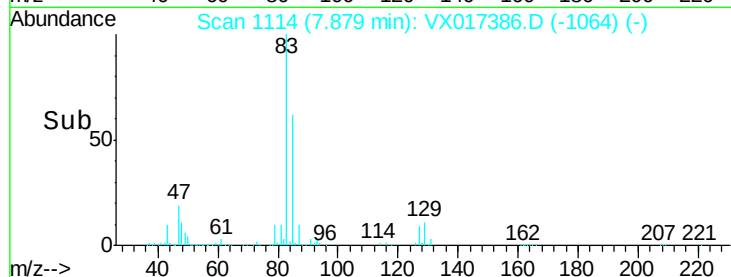
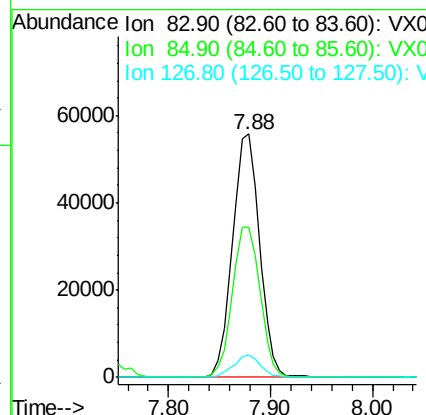
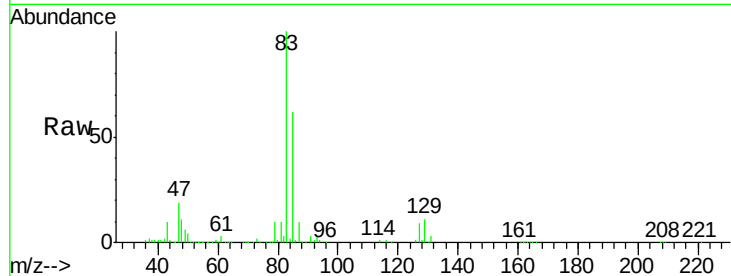
#47
 Bromodichloromethane
 Concen: 20.480 ug/l
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	102397		
85	61.7	50.2	75.4	
127	9.2	7.1	10.7	

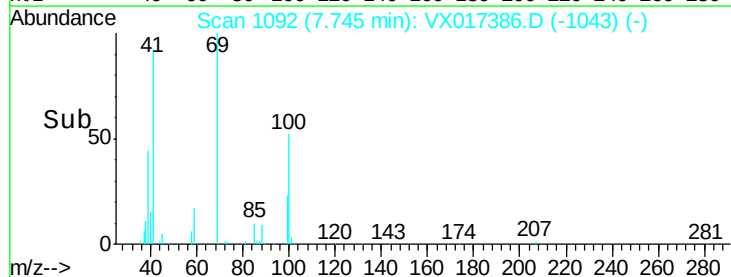
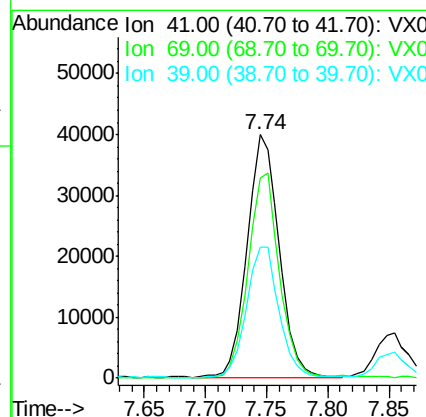
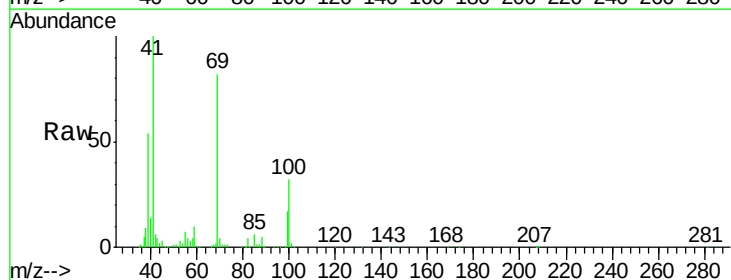
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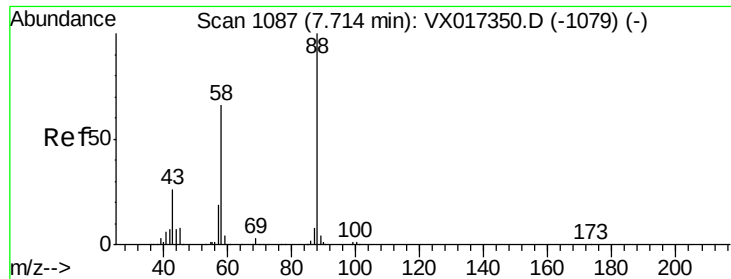
MMDadoda
 7/17/2020 4:44:12 PM



#48
 Methyl methacrylate
 Concen: 20.195 ug/l
 RT: 7.74 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	72215		
69	83.9	67.8	101.6	
39	55.2	45.1	67.7	





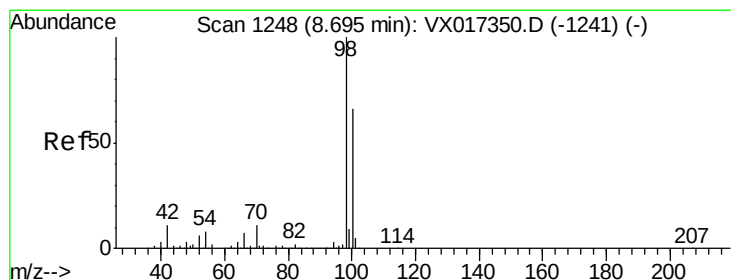
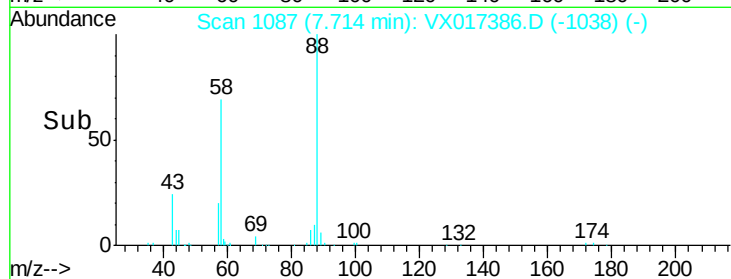
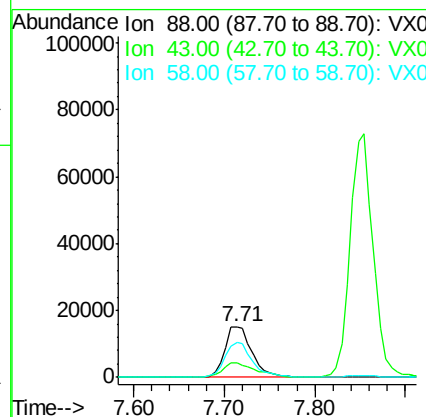
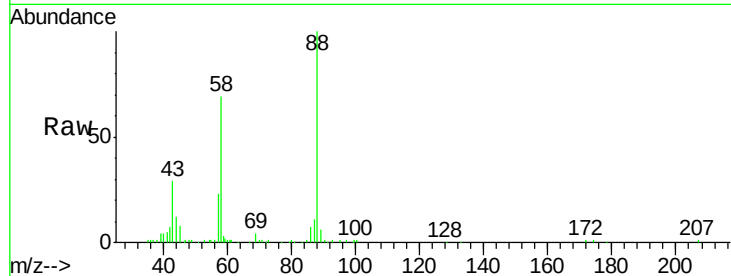
#49
1,4-Dioxane
Concen: 435.234 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	25.6	38.4
58	69.2	53.9	80.9

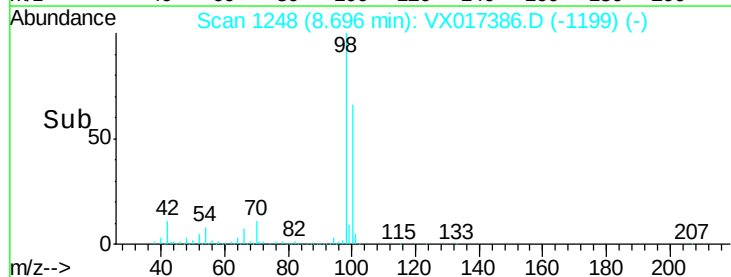
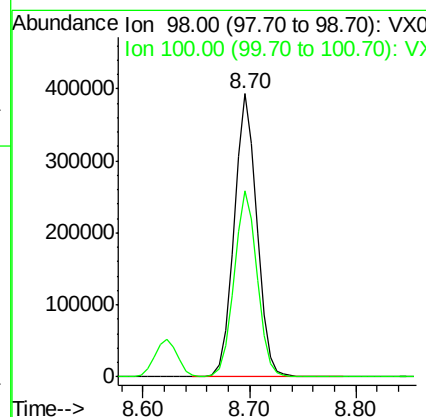
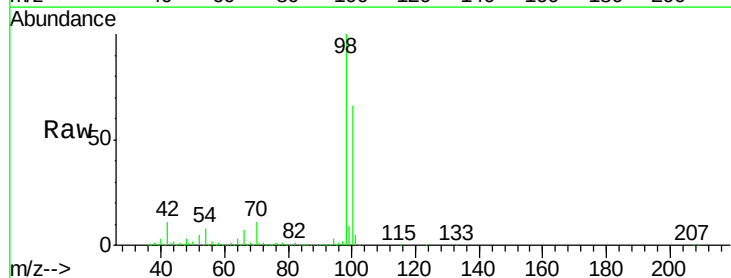
Manual Integrations
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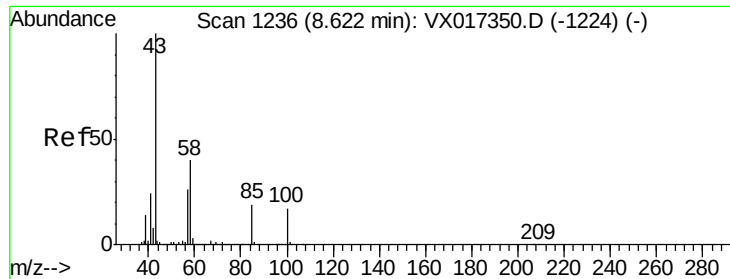
MMDadoda
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#50
Toluene-d8
Concen: 49.426 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.2





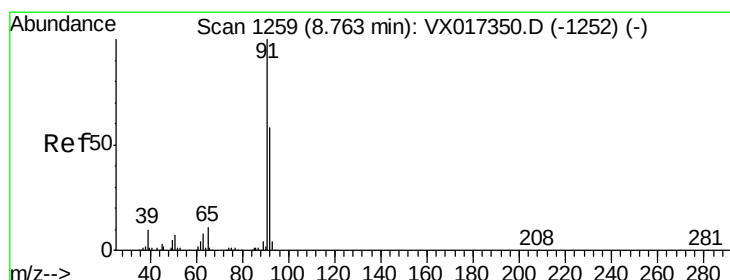
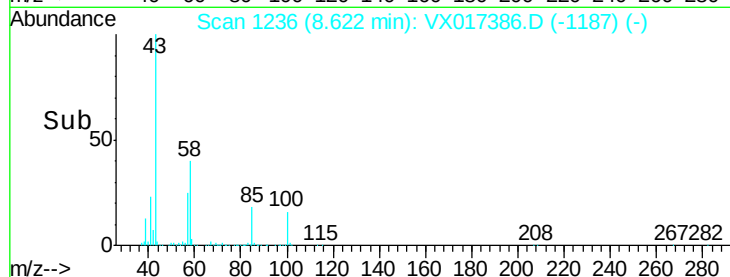
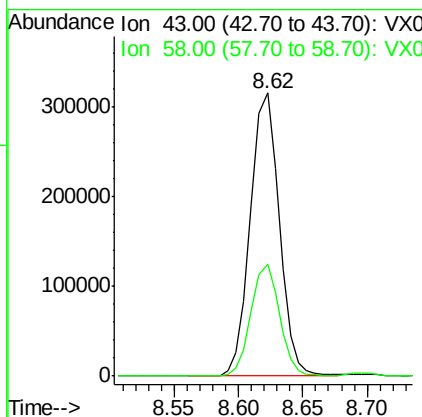
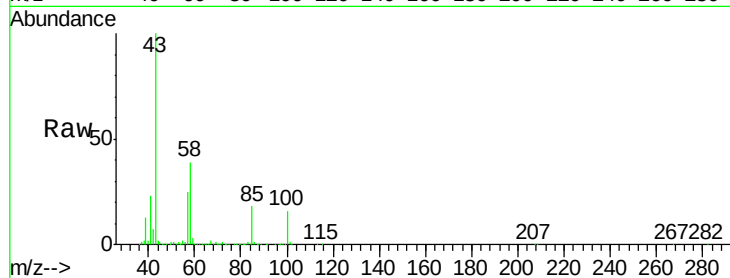
#51
4-Methyl-2-Pentanone
Concen: 108.100 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.2	48.2

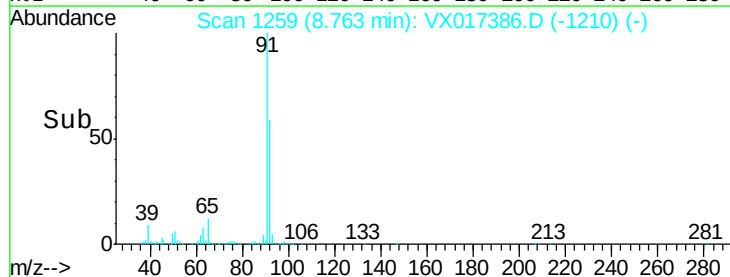
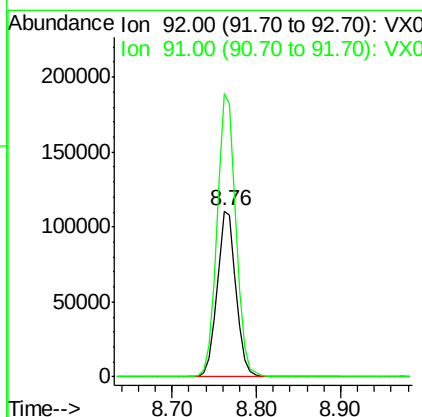
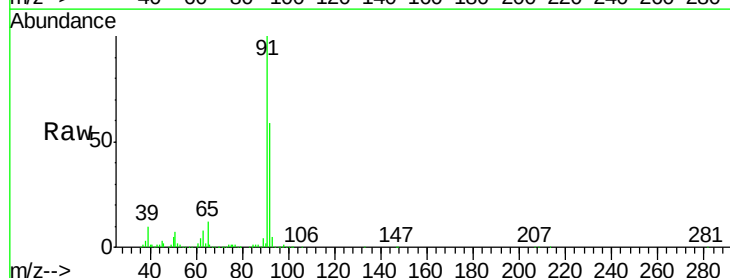
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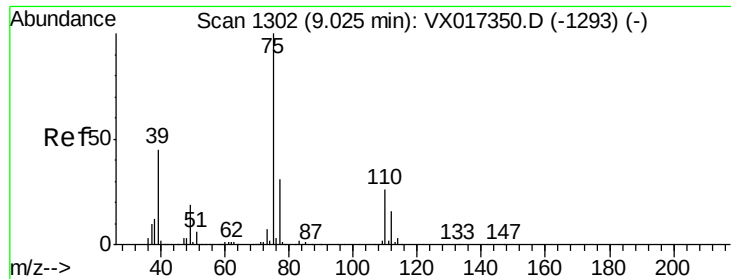
MMDadoda
7/17/2020 4:44:12 PM



#52
Toluene
Concen: 20.566 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.7	205.1





#53

t-1,3-Dichloropropene

Concen: 19.471 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 75 Resp: 104875

Ion Ratio Lower Upper

75 100

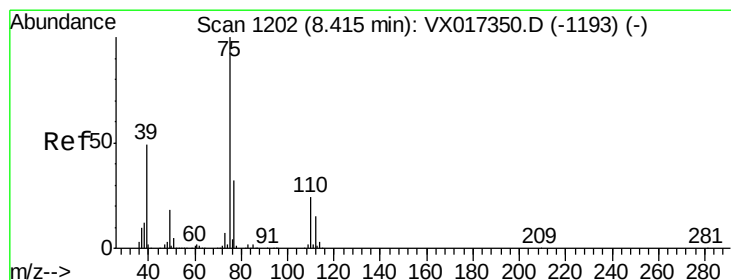
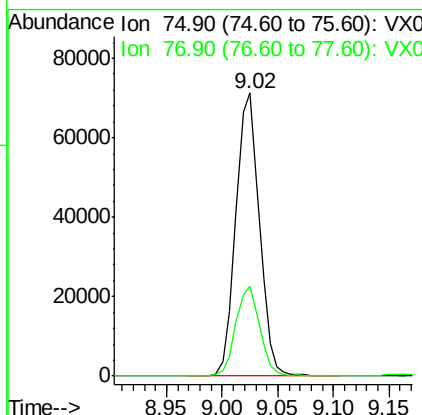
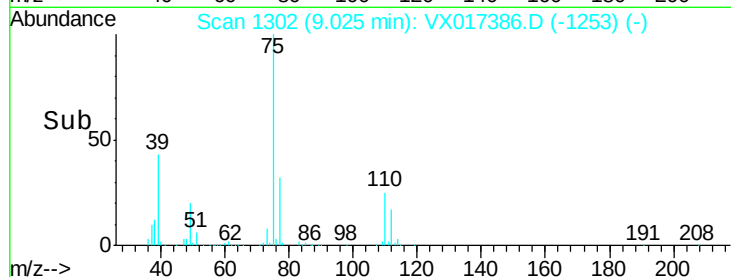
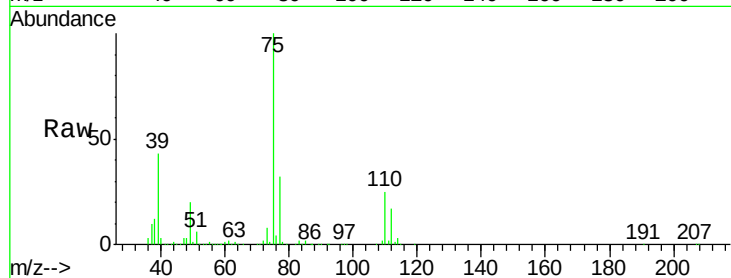
77 31.8 25.0 37.6

Manual Integrations

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MMDadoda

7/17/2020 4:44:12 PM



#54

cis-1,3-Dichloropropene

Concen: 20.168 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

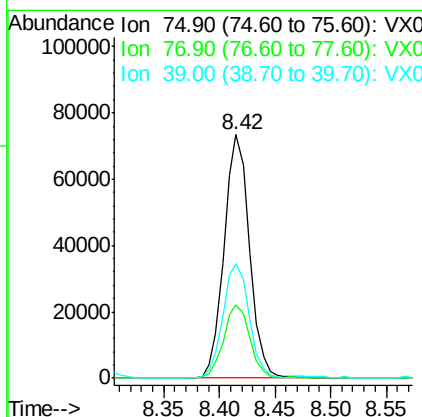
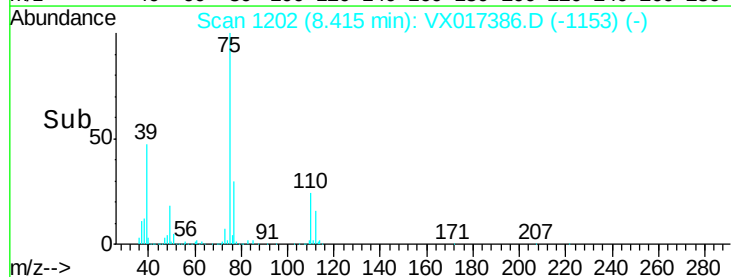
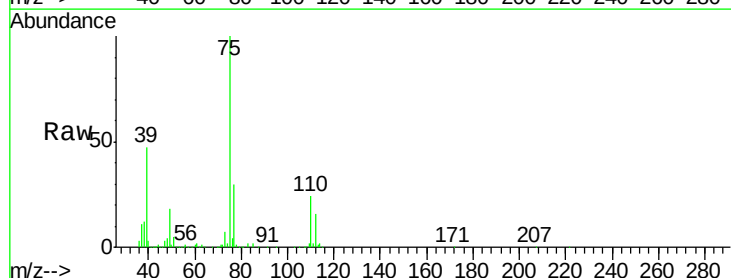
Tgt Ion: 75 Resp: 115862

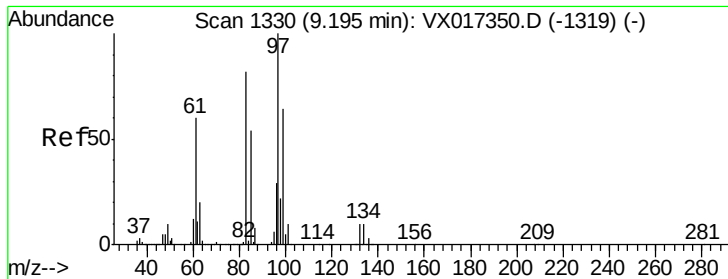
Ion Ratio Lower Upper

75 100

77 30.0 25.3 37.9

39 46.8 38.9 58.3





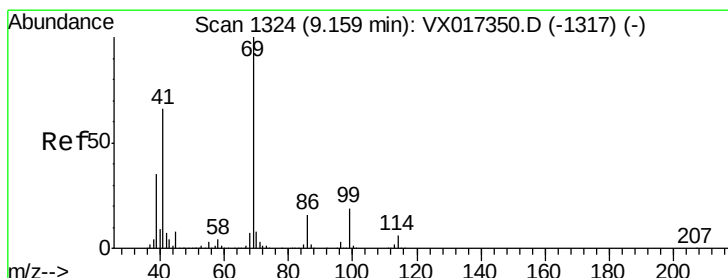
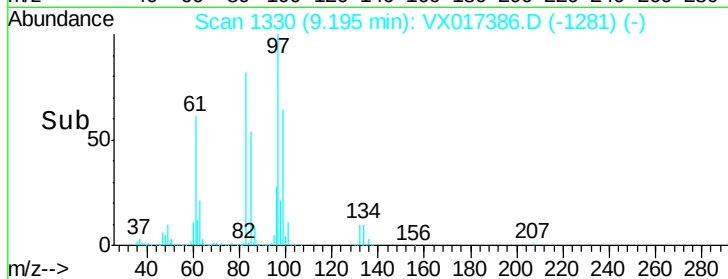
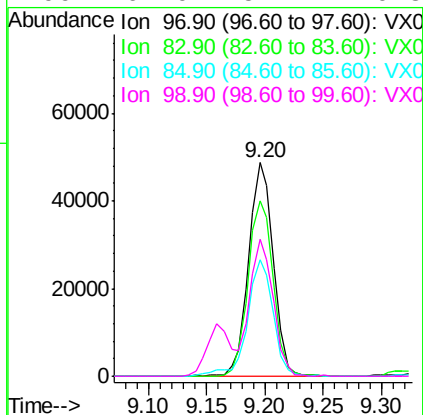
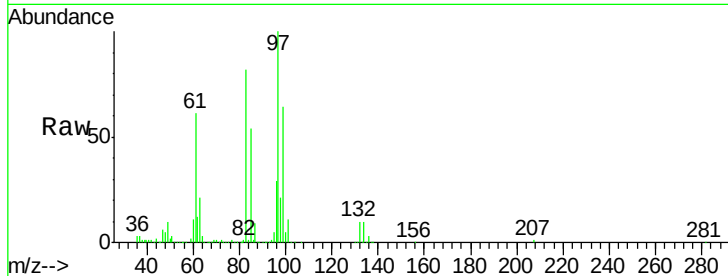
#55
 1,1,2-Trichloroethane
 Concen: 20.904 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		72490		
83	81.8	65.8	98.6		
85	54.4	42.8	64.2		
99	64.0	51.2	76.8		

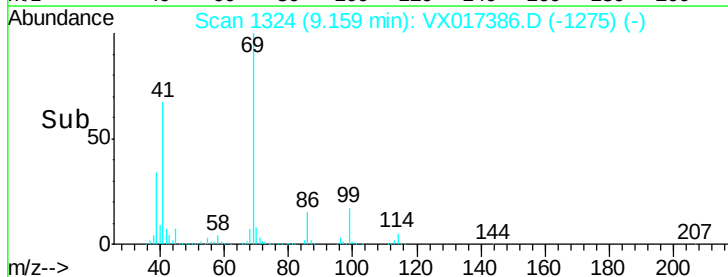
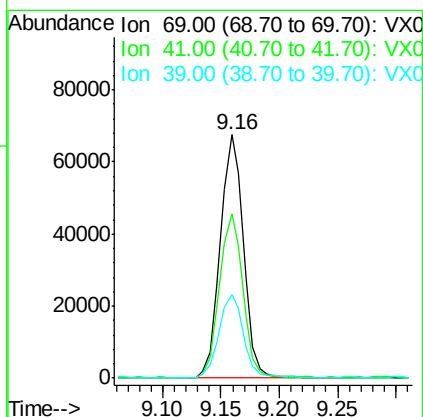
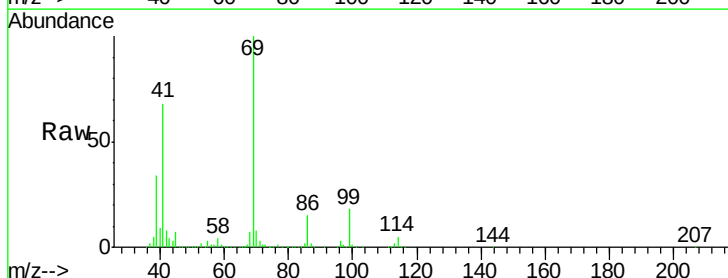
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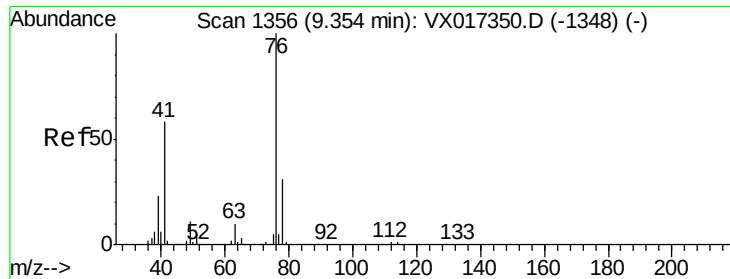
MMDadoda
 7/17/2020 4:44:12 PM



#56
 Ethyl methacrylate
 Concen: 18.923 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		93165		
41	67.3	52.6	78.8		
39	35.6	28.8	43.2		





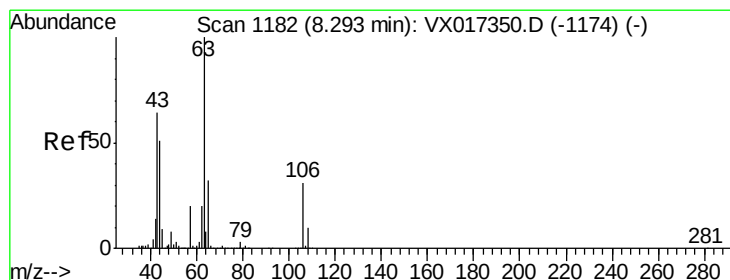
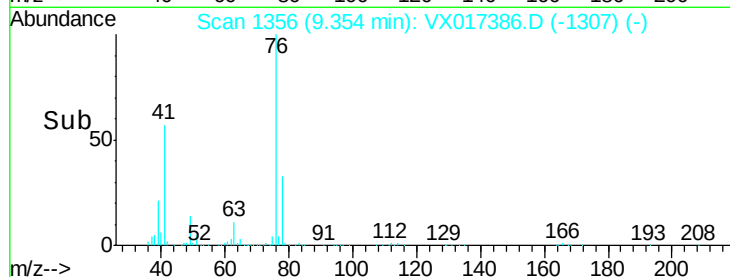
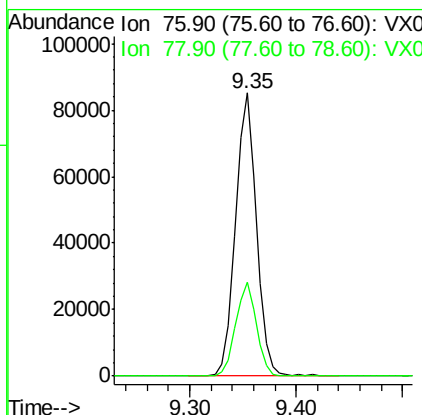
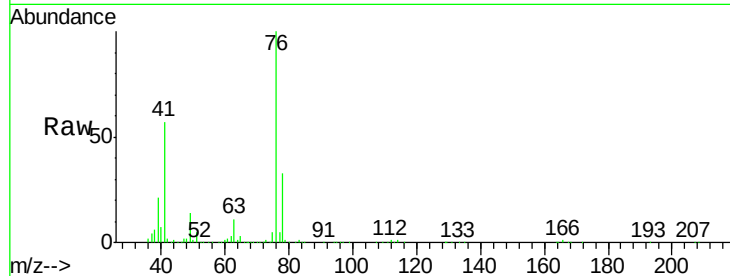
#57
 1,3-Dichloropropane
 Concen: 20.468 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion: 76 Resp: 118070
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6

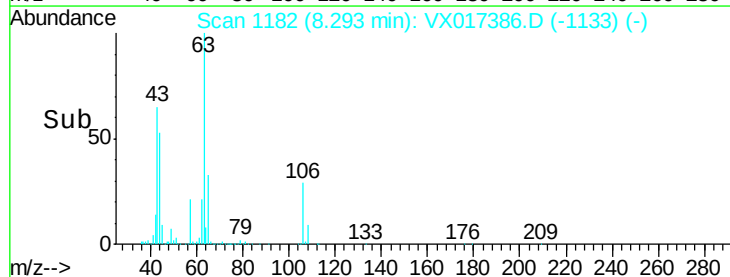
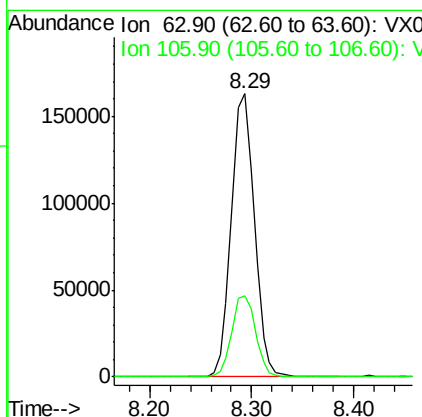
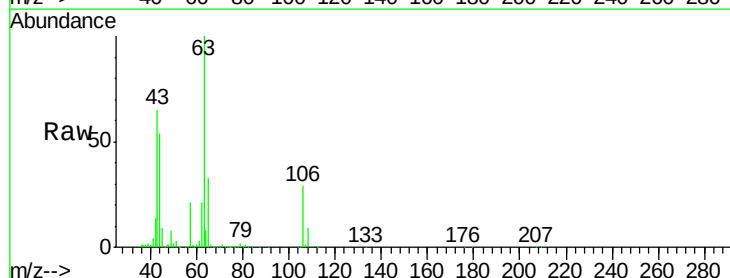
Manual Integrations
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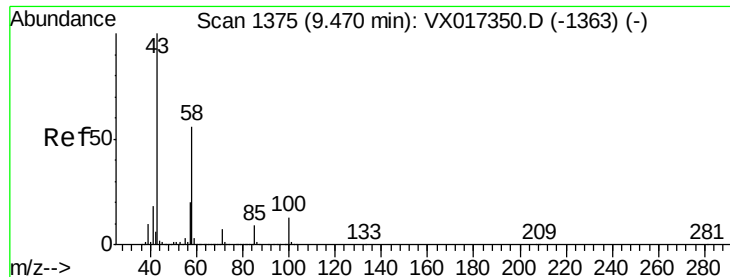
MMDadoda
 7/17/2020 4:44:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.979 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion: 63 Resp: 254929
 Ion Ratio Lower Upper
 63 100
 106 29.4 24.8 37.2





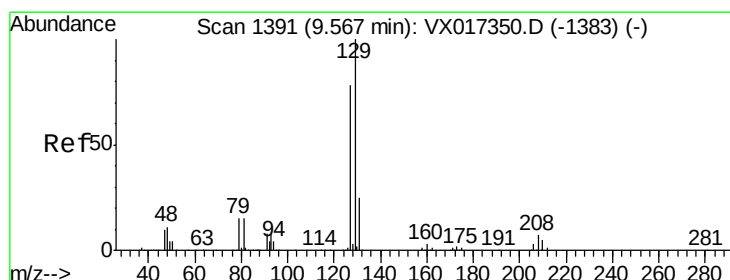
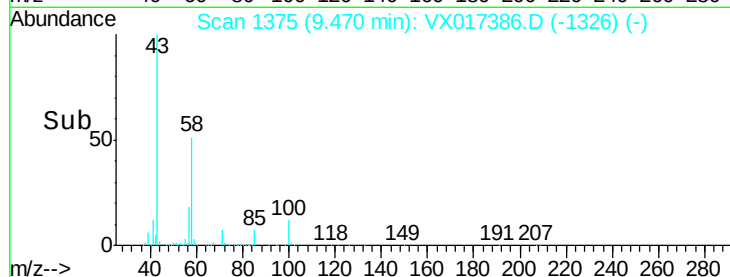
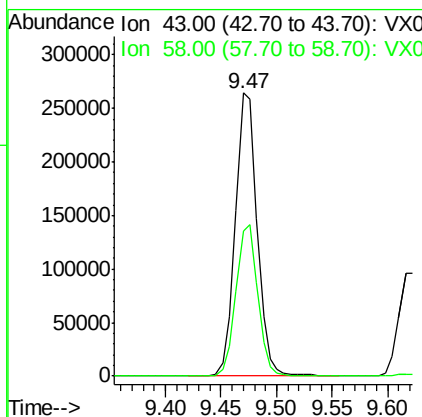
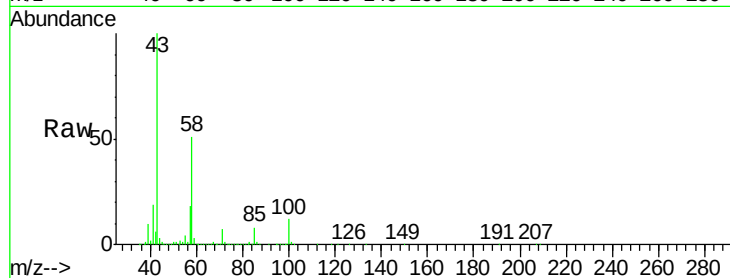
#59
2-Hexanone
Concen: 104.712 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion: 43 Resp: 359089
Ion Ratio Lower Upper
43 100
58 54.0 28.1 84.3

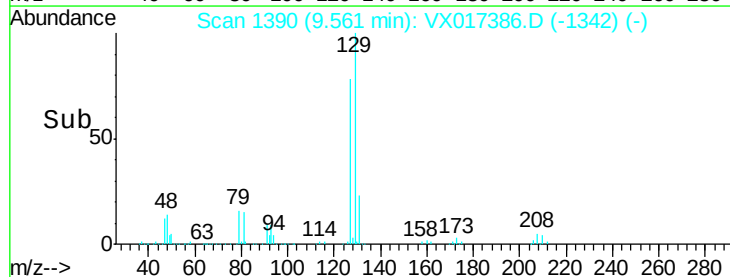
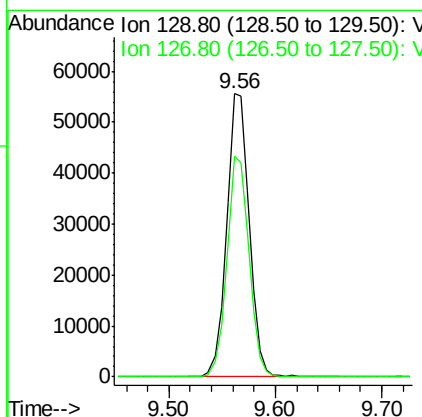
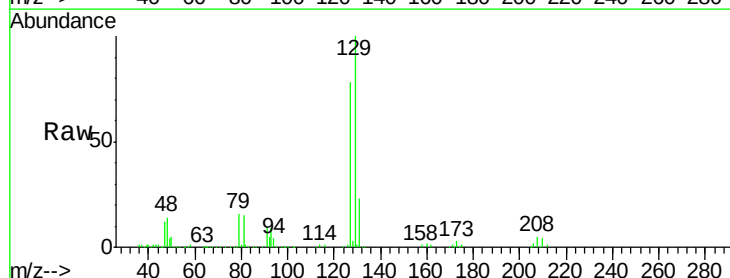
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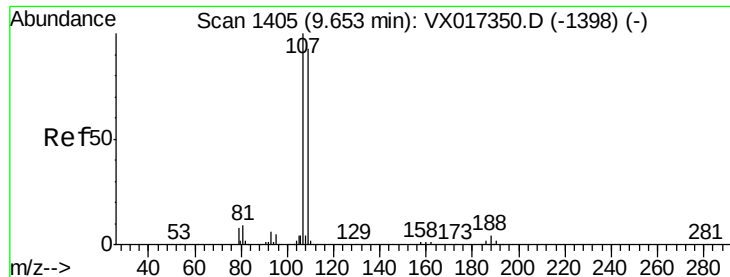
MMDadoda
7/17/2020 4:44:12 PM



#60
Dibromochloromethane
Concen: 19.428 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion: 129 Resp: 82305
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6





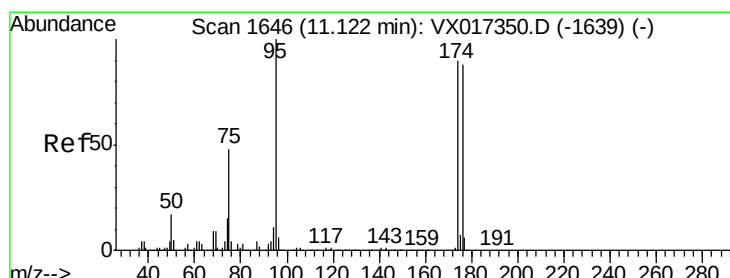
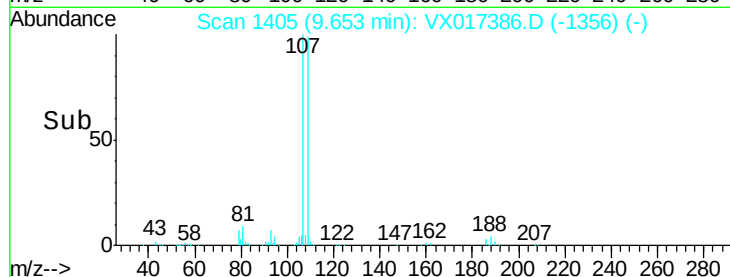
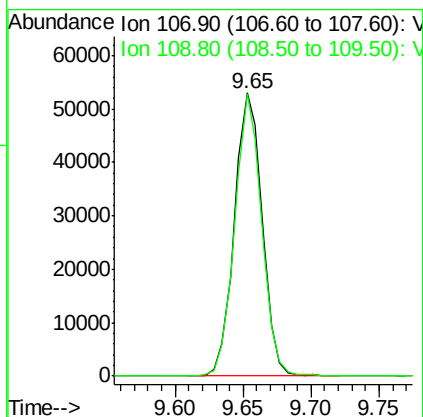
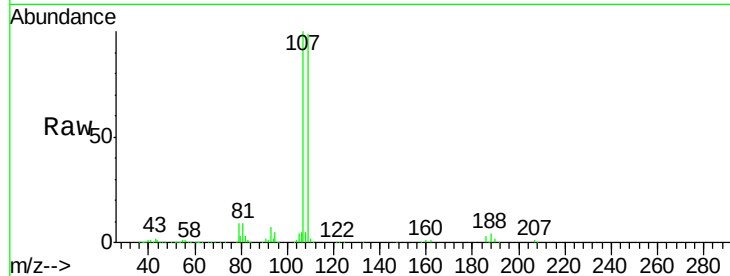
#61
 1,2-Dibromoethane
 Concen: 19.948 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.0	112.4

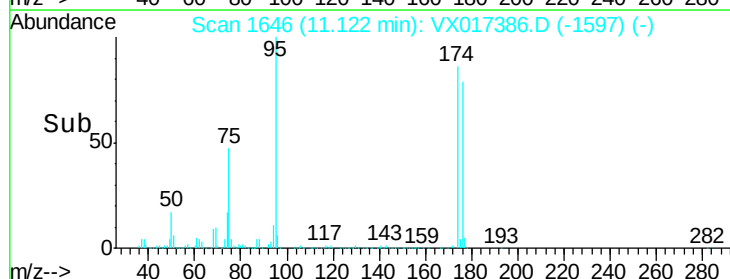
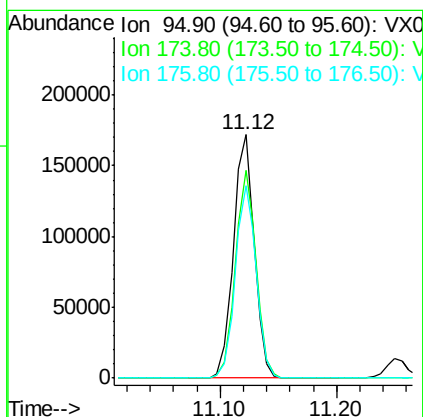
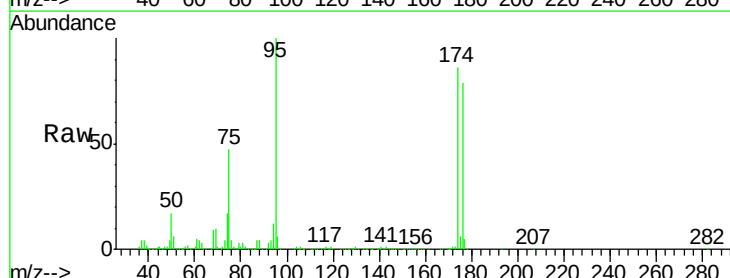
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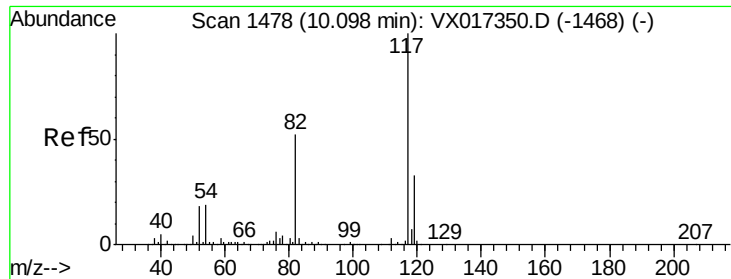
MMDadoda
 7/17/2020 4:44:12 PM



#62
 4-Bromofluorobenzene
 Concen: 45.319 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	175.8
176	79.0	0.0	164.6





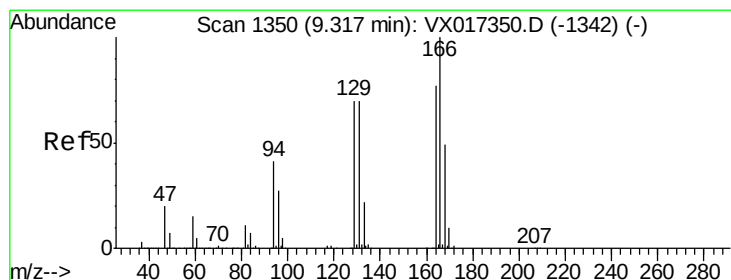
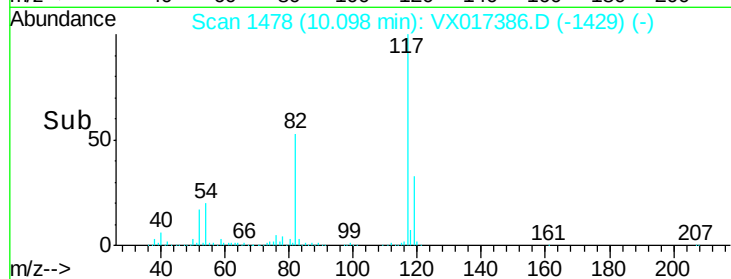
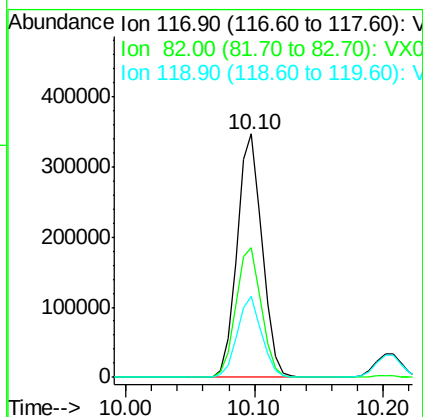
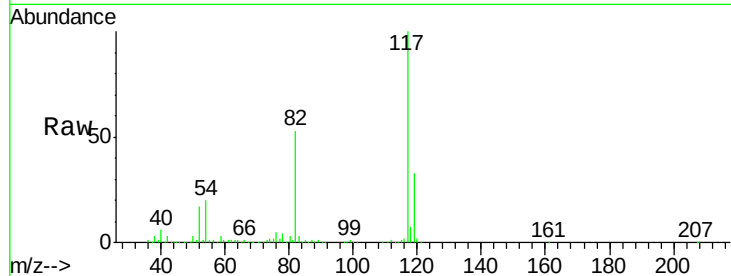
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	466601		
82	53.5	42.0	63.0	
119	33.1	26.3	39.5	

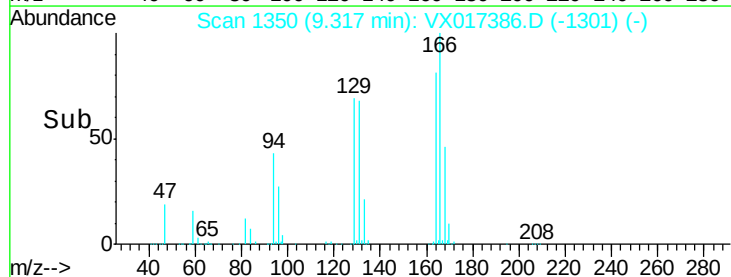
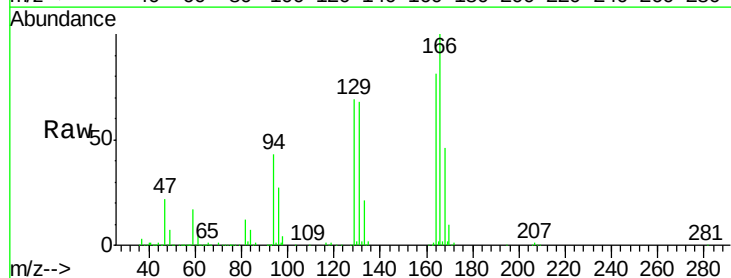
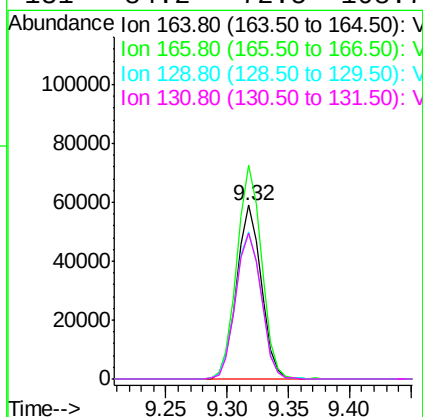
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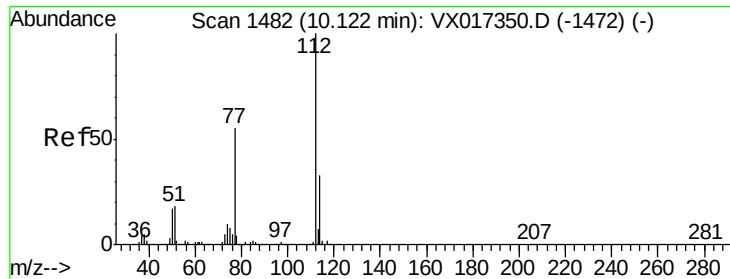
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#64
Tetrachloroethene
Concen: 20.309 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82018		
166	123.1	103.9	155.9	
129	84.7	72.9	109.3	
131	84.2	72.5	108.7	





#65

Chlorobenzene

Concen: 19.336 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampled :

VX0716WBS01

Tot Ion:112 Resp: 183350

Ion Ratio Lower Upper

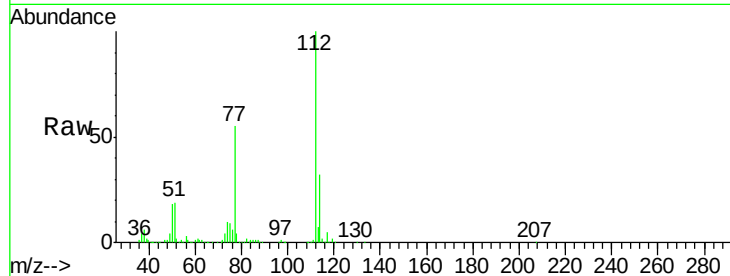
112 100

114 32.1 26.0 39.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.12

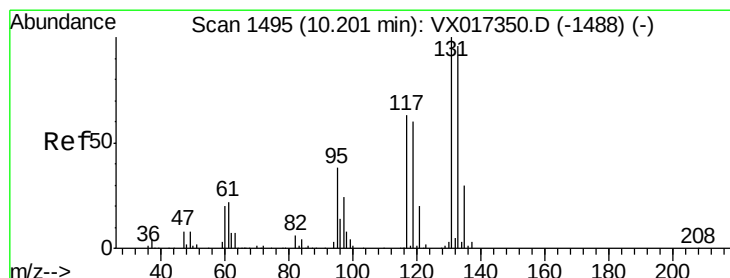
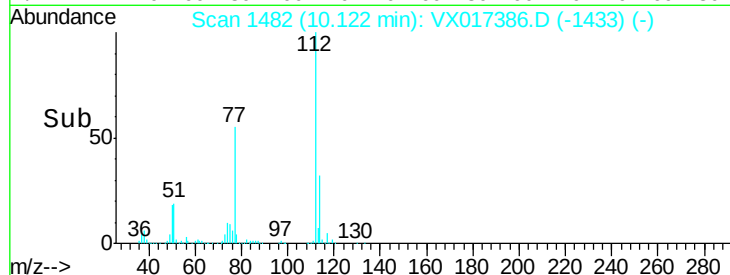
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.781 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

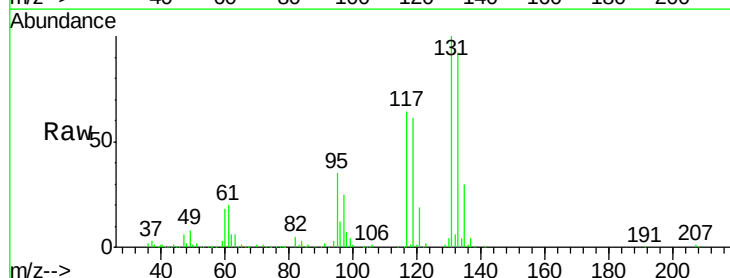
Tgt Ion:131 Resp: 74678

Ion Ratio Lower Upper

131 100

133 94.3 48.4 145.2

119 62.2 31.2 93.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

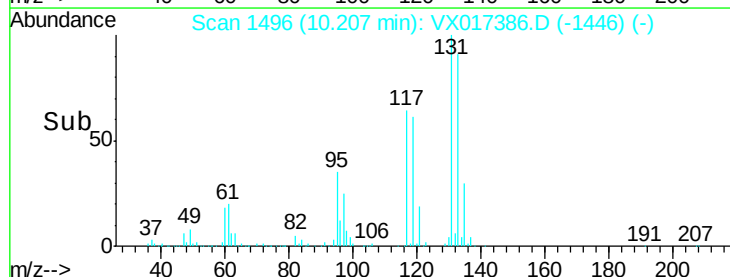
60000

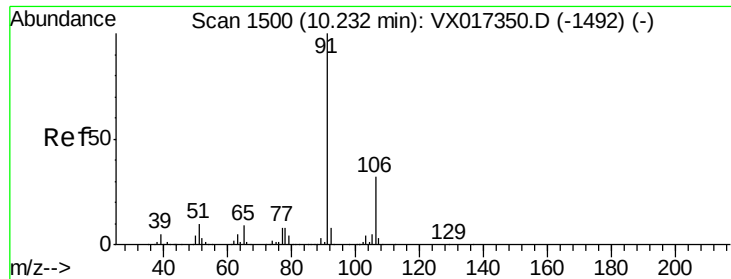
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.308 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 91 Resp: 304784

Ion Ratio Lower Upper

91 100

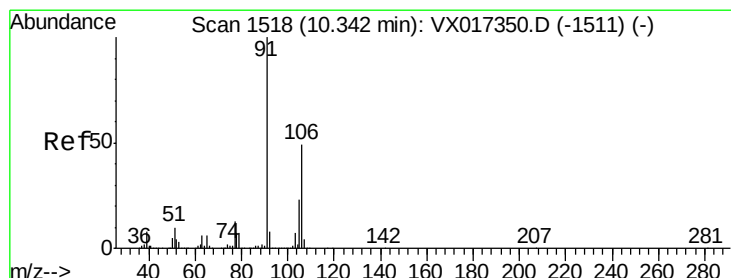
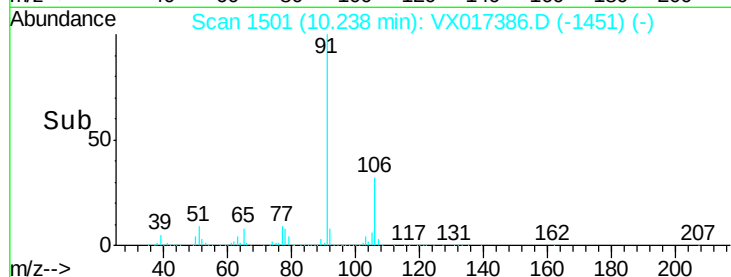
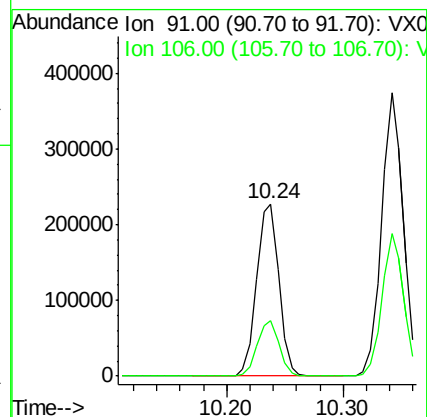
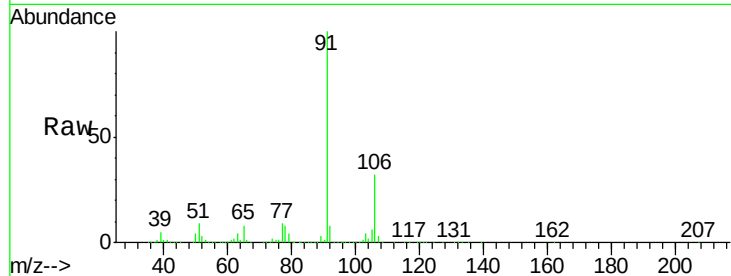
106 32.2 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.477 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017386.D

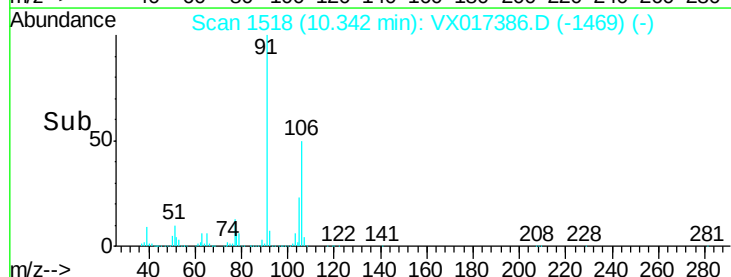
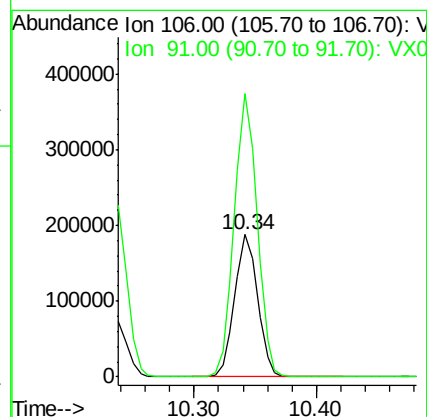
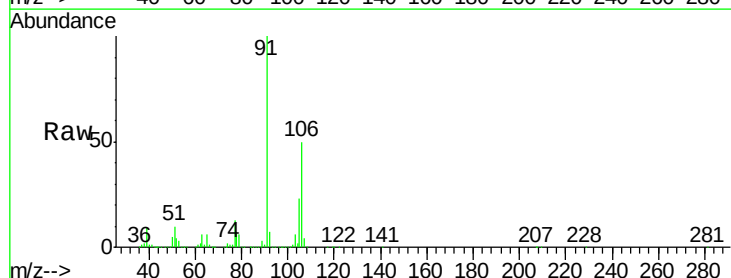
Acq: 16 Jul 2020 13:03

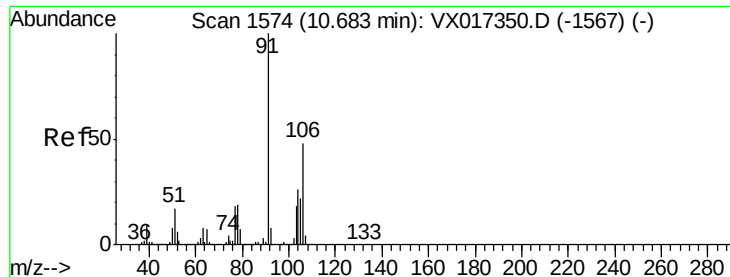
Tgt Ion: 106 Resp: 243107

Ion Ratio Lower Upper

106 100

91 199.2 162.5 243.7





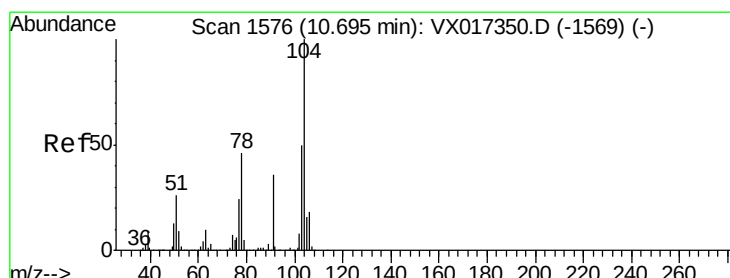
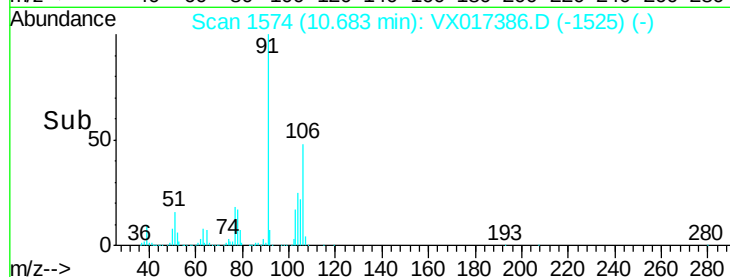
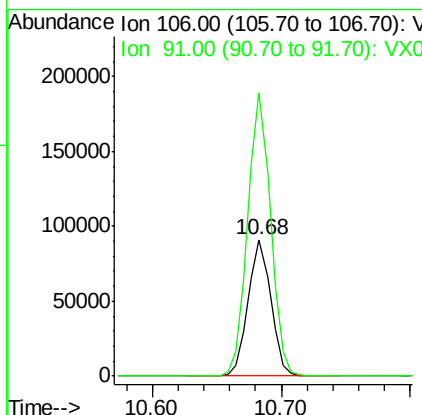
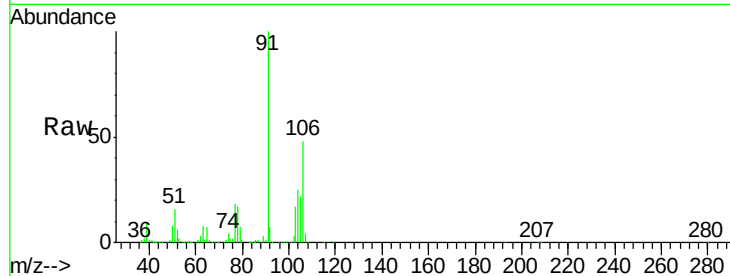
#69
o-Xylene
Concen: 19.293 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion:106 Resp: 110726
Ion Ratio Lower Upper
106 100
91 208.5 106.1 318.1

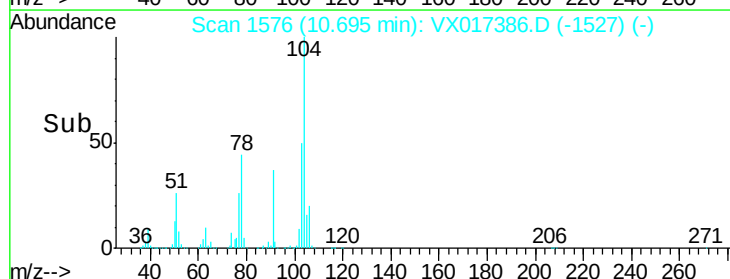
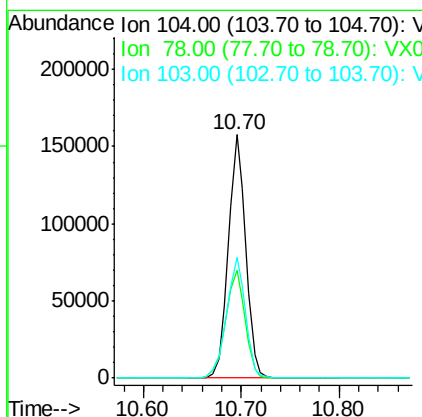
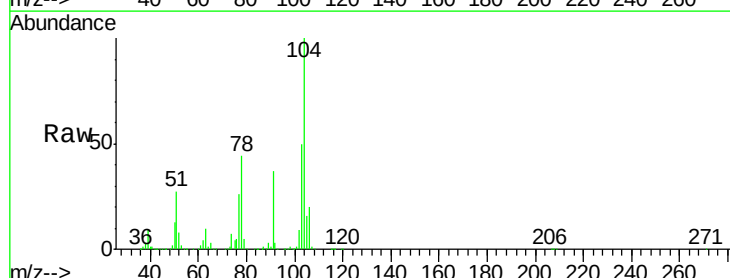
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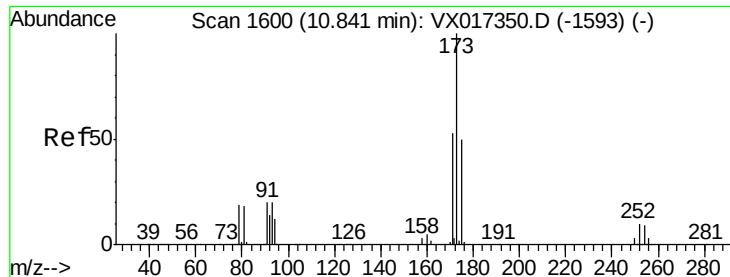
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#70
Styrene
Concen: 19.818 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion:104 Resp: 195230
Ion Ratio Lower Upper
104 100
78 49.6 40.8 61.2
103 54.0 43.3 64.9





#71

Bromoform

Concen: 19.212 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:173 Resp: 61205

Ion Ratio Lower Upper

173 100

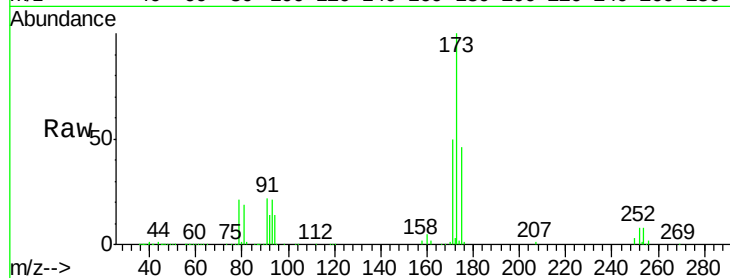
175 47.6 24.7 74.1

254 0.2 0.1 0.1#

Manual Integrations
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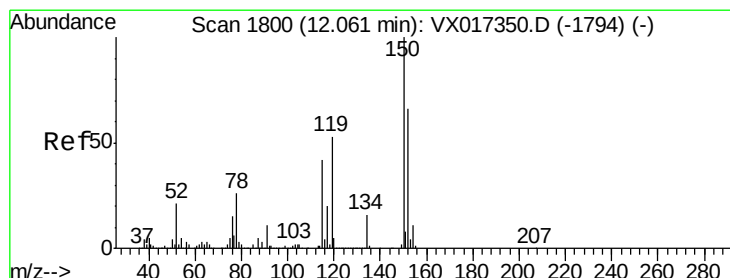
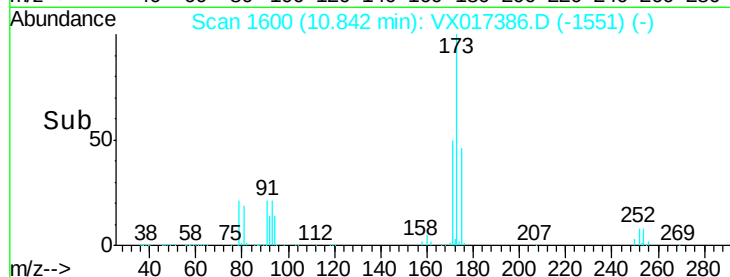
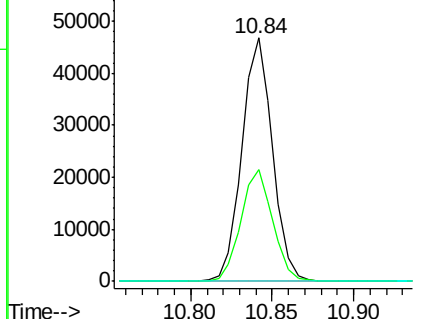
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

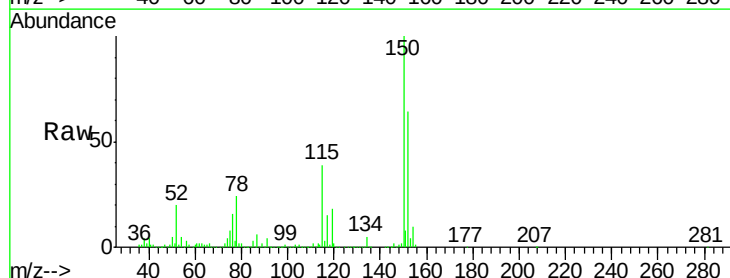
Tgt Ion:152 Resp: 251324

Ion Ratio Lower Upper

152 100

115 66.4 39.9 119.7

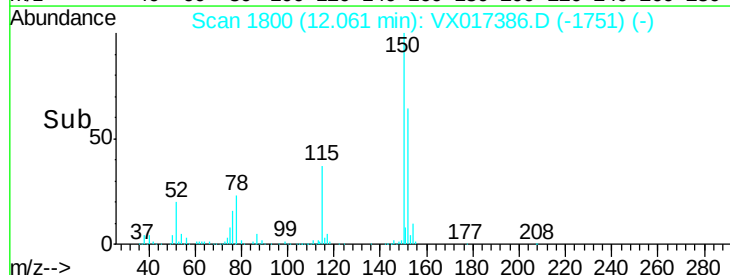
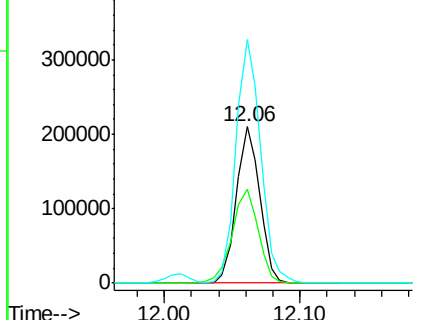
150 164.2 0.0 343.4

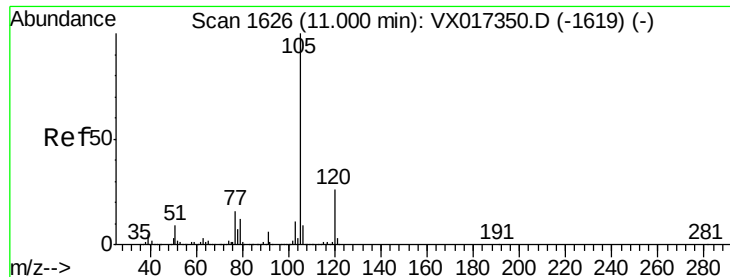


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.418 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 105 Resp: 305928

Ion Ratio Lower Upper

105 100

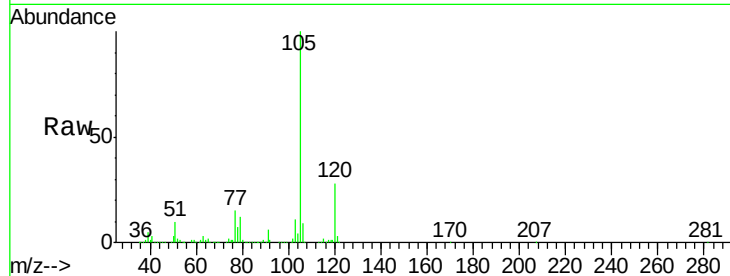
120 27.0 13.3 39.8

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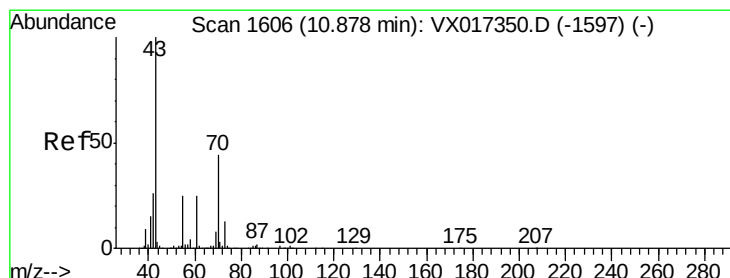
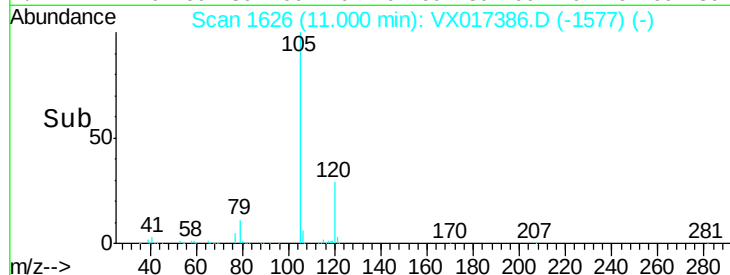
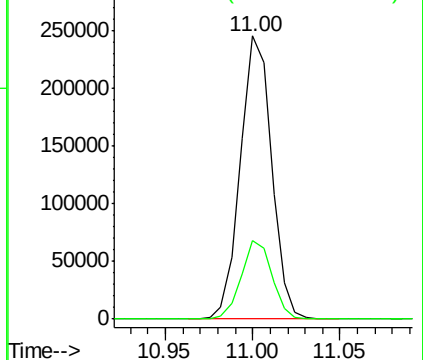
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.898 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Tgt Ion: 43 Resp: 125449

Ion Ratio Lower Upper

43 100

70 42.6 35.7 53.5

55 25.0 20.3 30.5

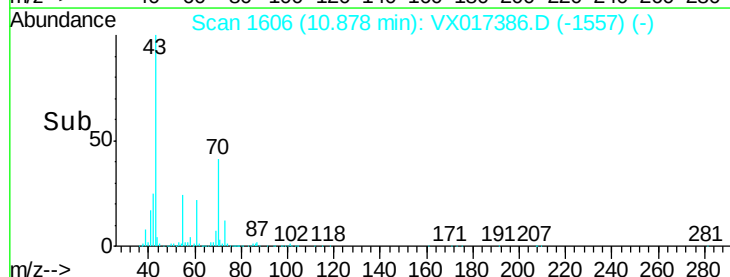
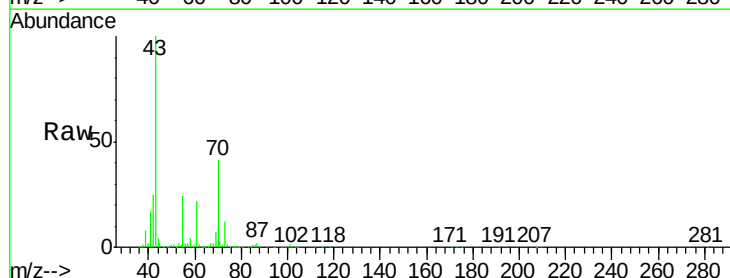
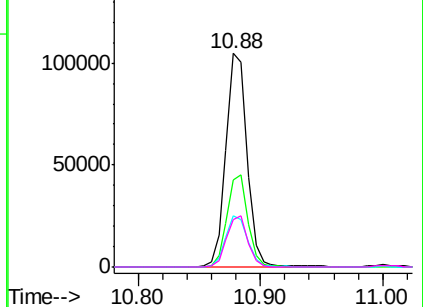
61 23.9 20.0 30.0

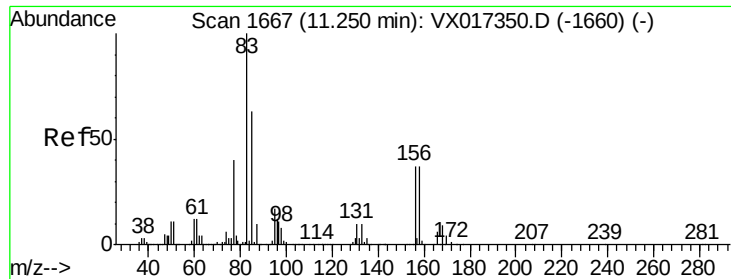
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.411 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

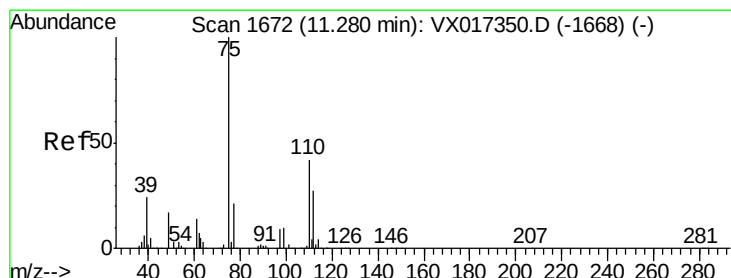
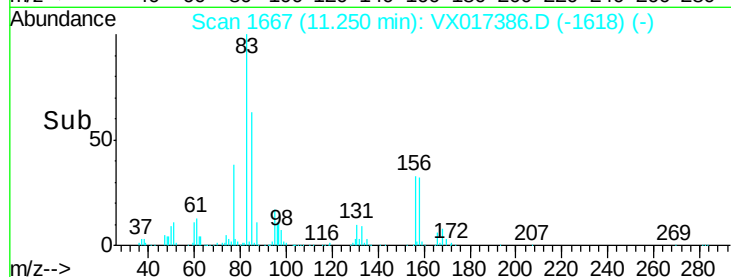
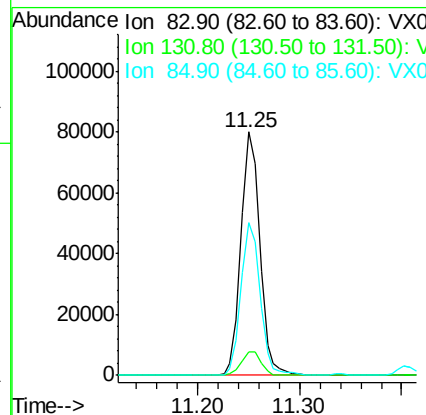
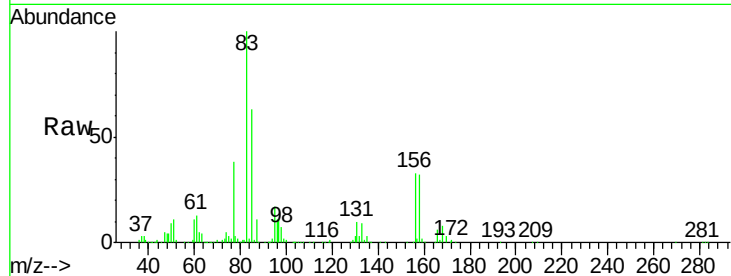
ClientSampled :

VX0716WBS01

Tot Ion:	83	Resp:	102421
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.5	16.7
85	63.8	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.593 ug/l m

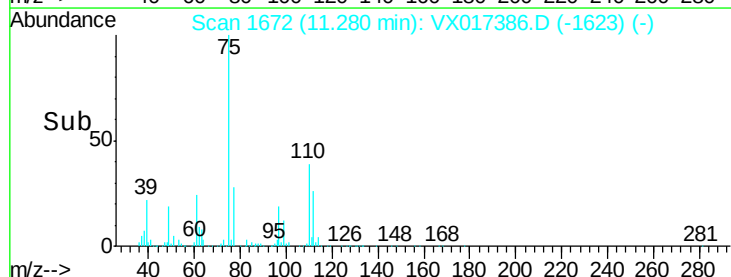
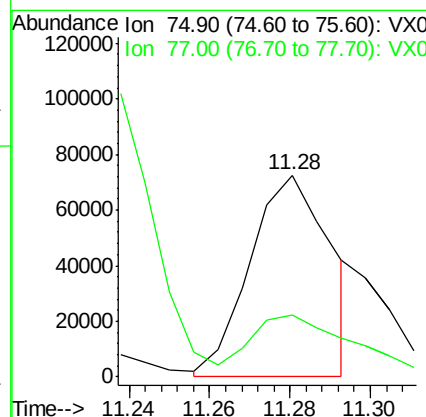
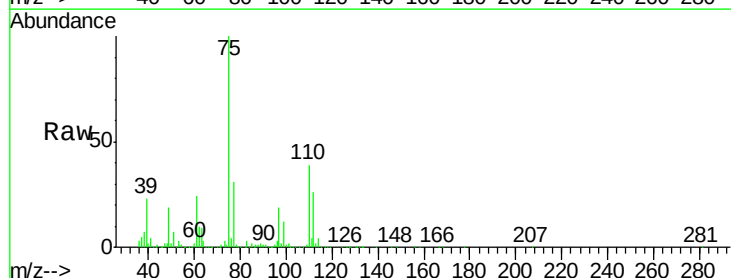
RT: 11.28 min Scan# 1672

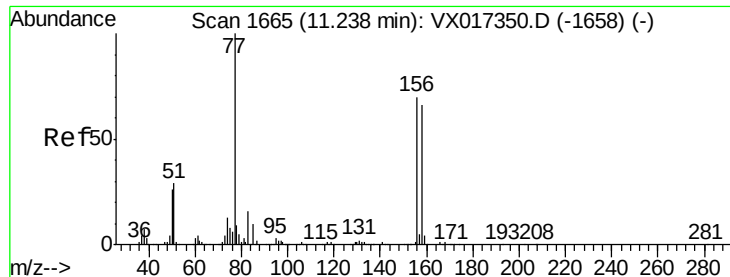
Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Tgt Ion:	75	Resp:	100280
Ion Ratio	Lower	Upper	
75	100		
77	39.4	20.3	60.9





#77

Bromobenzene

Concen: 18.856 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

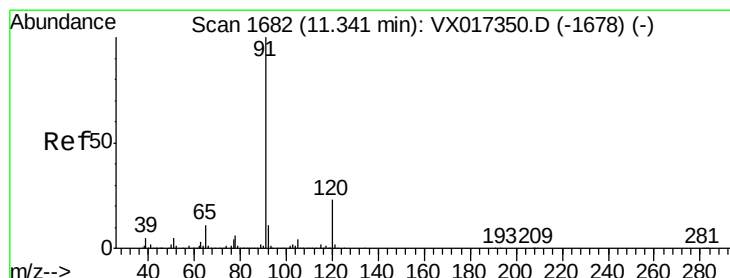
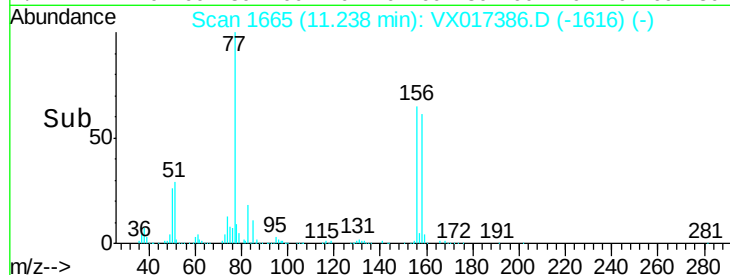
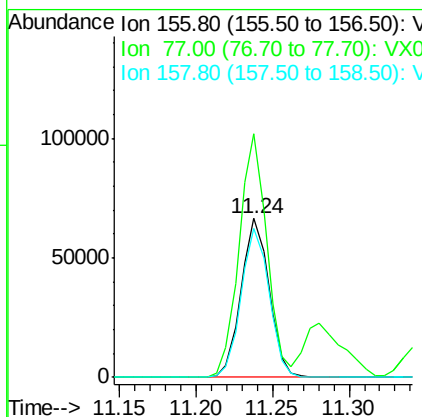
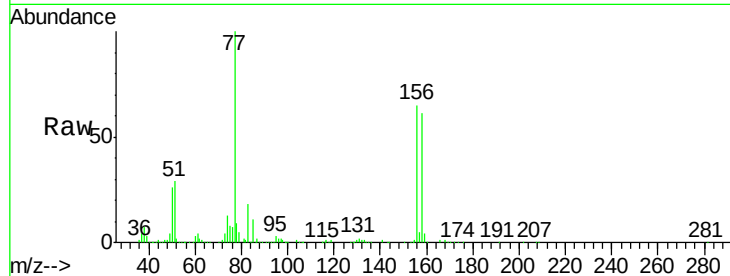
ClientSampled :

VX0716WBS01

Tot Ion:	156	Resp:	84611
Ion Ratio	Lower	Upper	
156	100		
77	152.0	72.1	216.3
158	94.4	47.4	142.3

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#78

n-propylbenzene

Concen: 19.812 ug/l

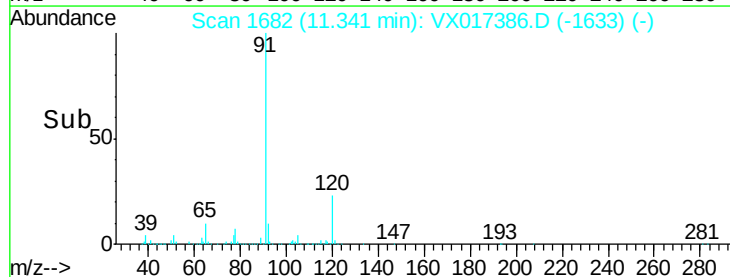
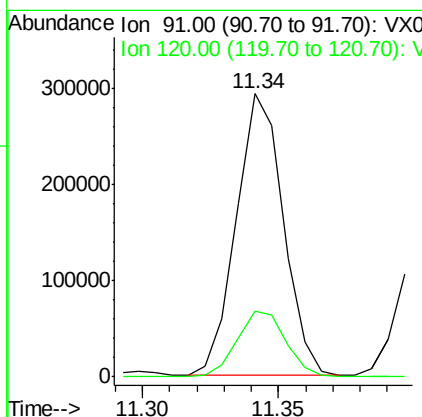
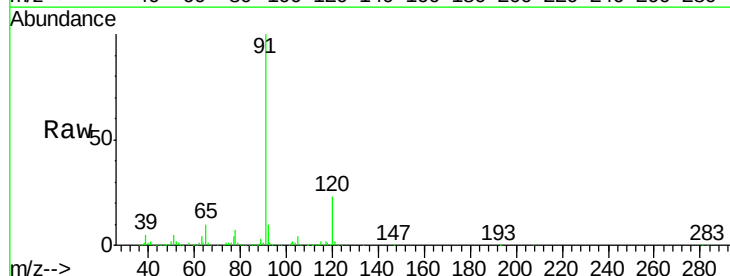
RT: 11.34 min Scan# 1682

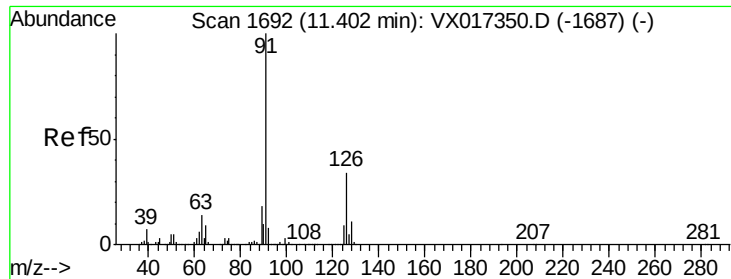
Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Tgt Ion:	91	Resp:	350552
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.9





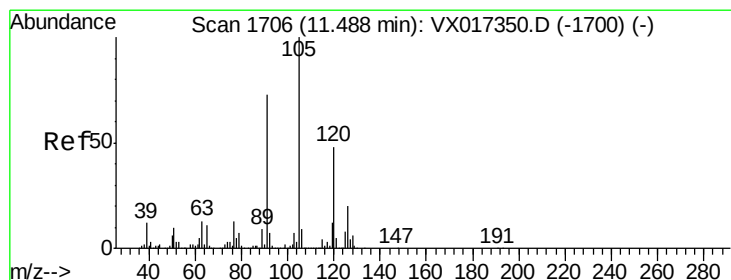
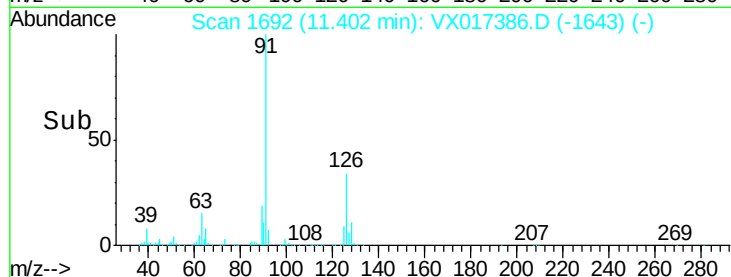
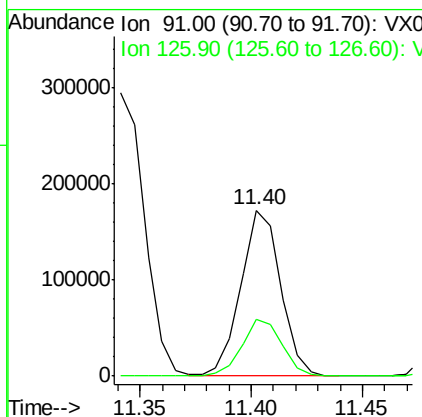
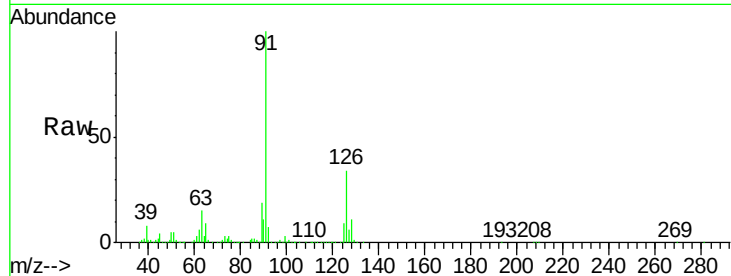
#79
 2-Chlorotoluene
 Concen: 19.712 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion: 91 Resp: 214935
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.4 52.3

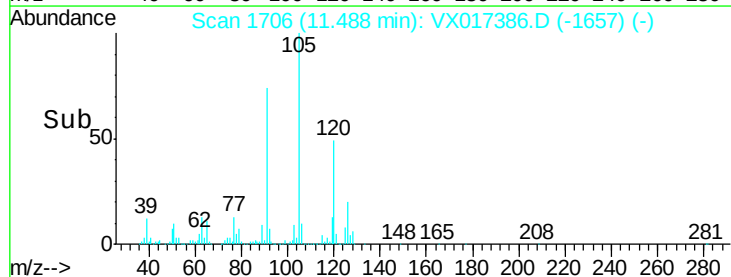
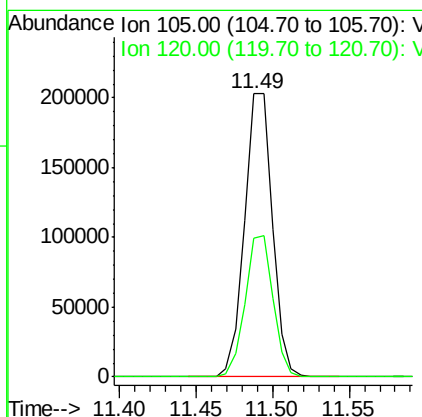
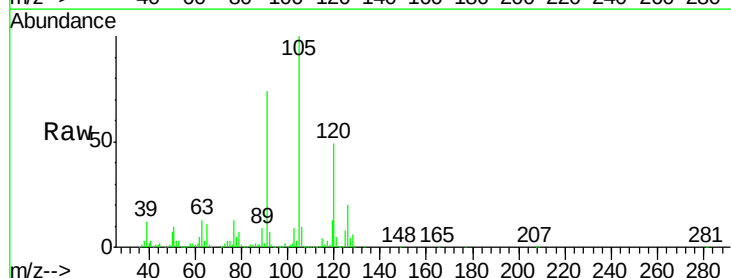
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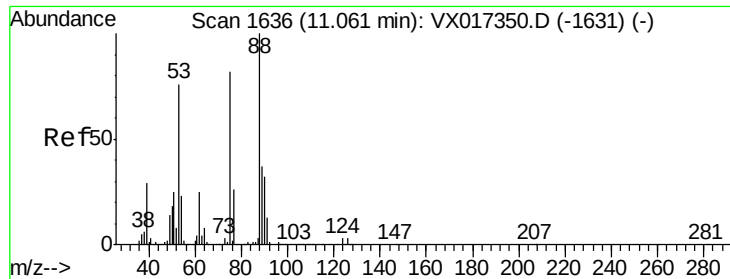
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.239 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion: 105 Resp: 257297
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.151 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Instrument :

MSVOA_X

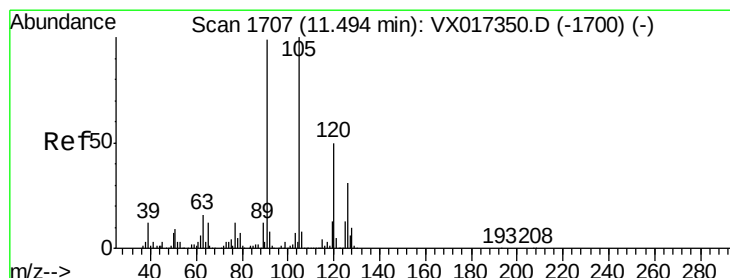
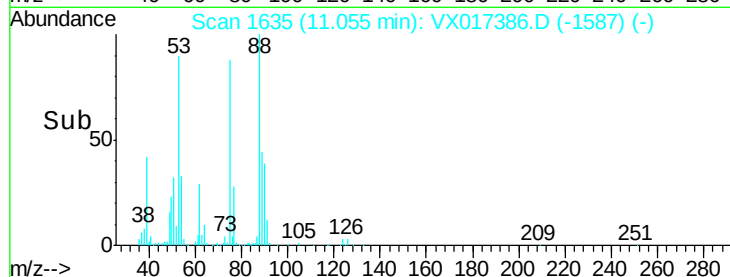
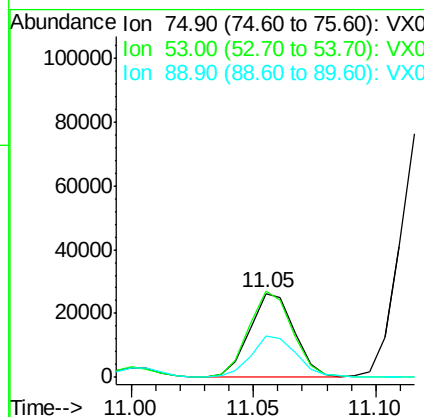
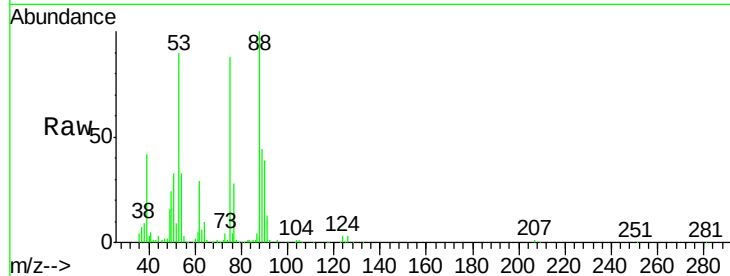
ClientSampleId :

VX0716WBS01

Tot Ion:	75	Resp:	33228
Ion	Ratio	Lower	Upper
75	100		
53	100.2	76.5	114.7
89	51.3	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.880 ug/l

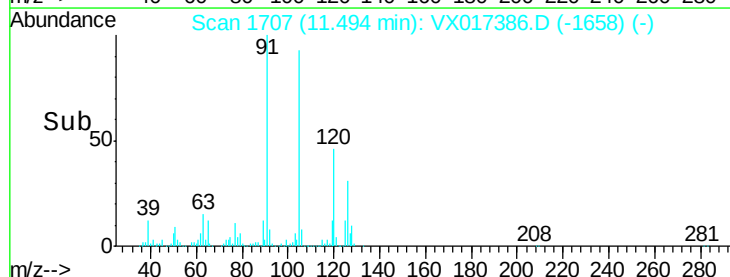
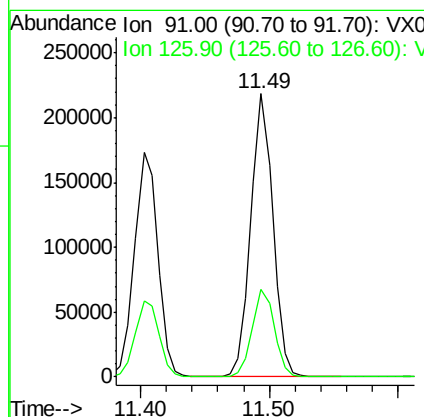
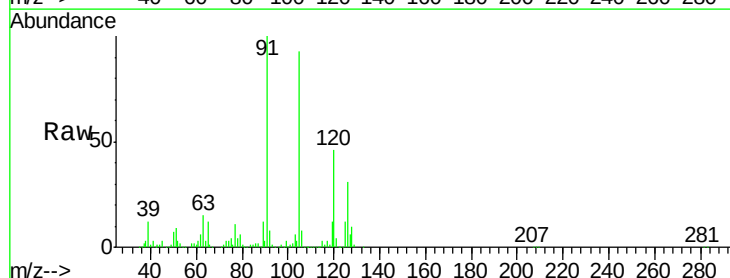
RT: 11.49 min Scan# 1707

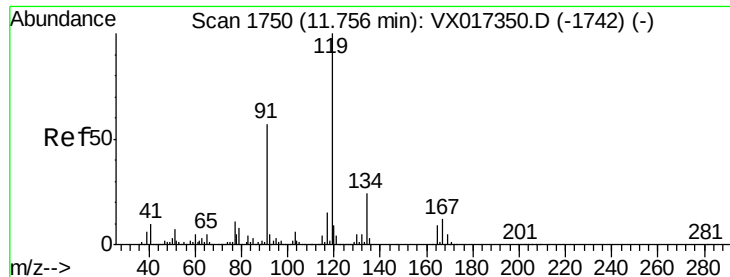
Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Tgt Ion:	91	Resp:	256896
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.2





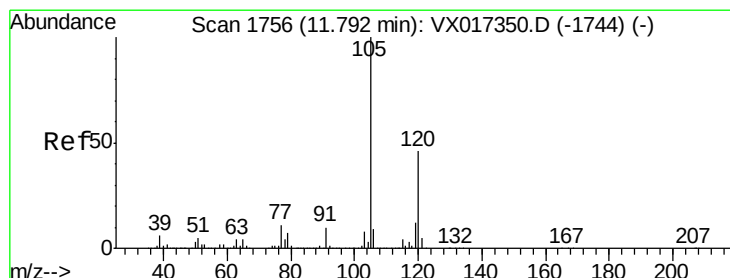
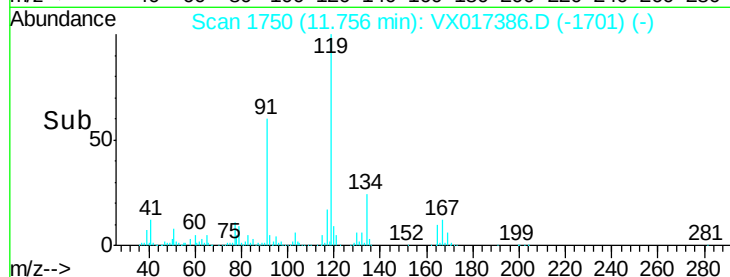
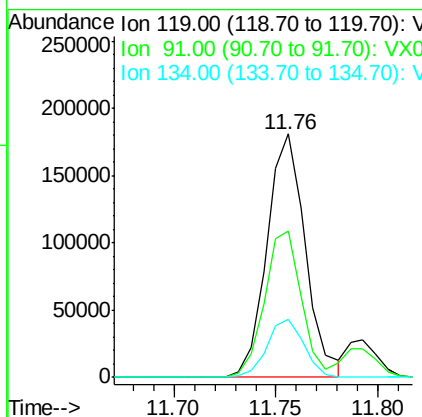
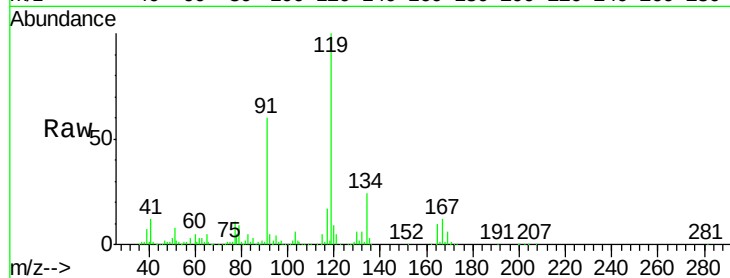
#83
 tert-Butylbenzene
 Concen: 18.367 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	237447		
91	57.6	28.5	85.6	
134	23.0	11.9	35.9	

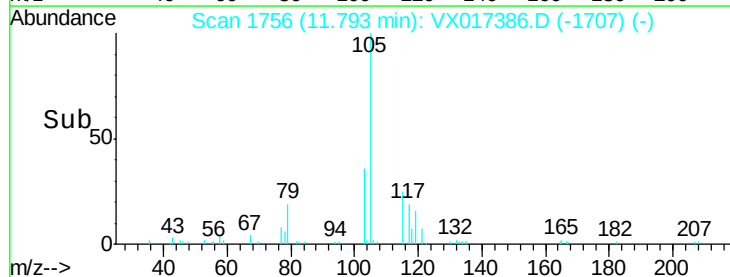
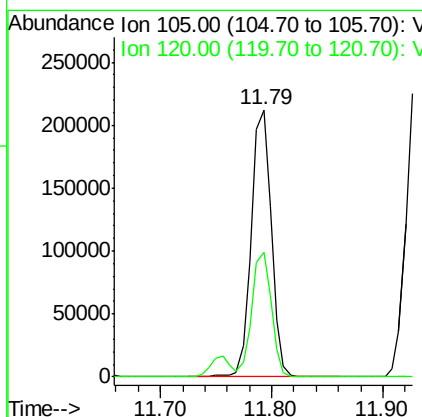
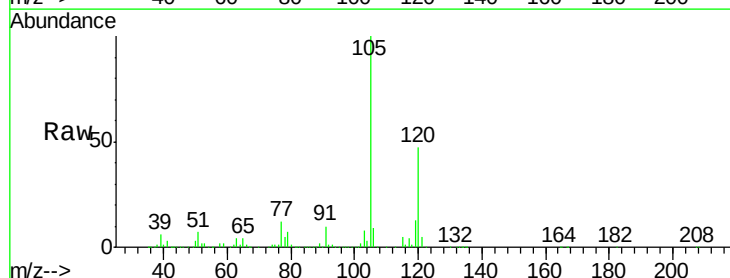
Manual Integrations
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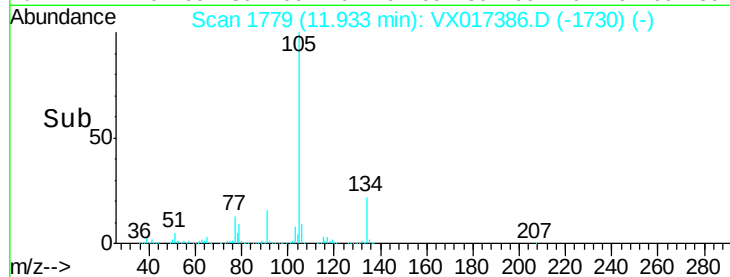
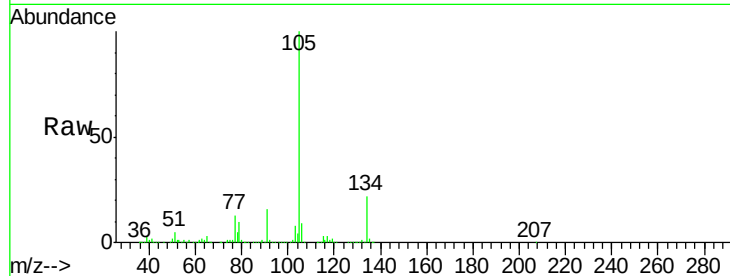
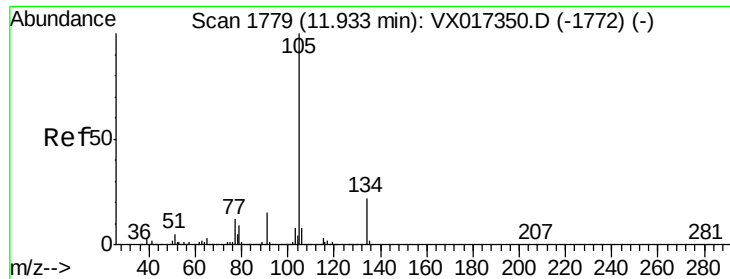
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.683 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	265937		
120	45.9	22.8	68.4	





#85

sec-Butylbenzene

Concen: 19.306 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

Tot Ion:105 Resp: 292195

Ion Ratio Lower Upper

105 100

134 20.4 10.5 31.5

Instrument :

MSVOA_X

ClientSampled :

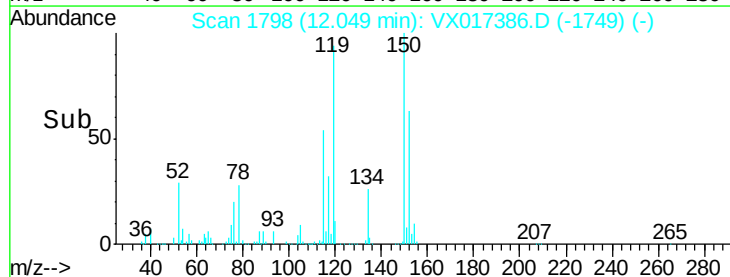
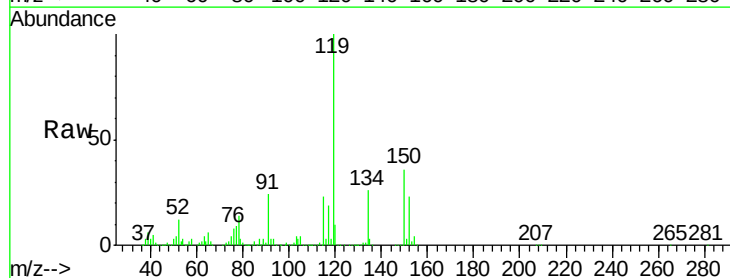
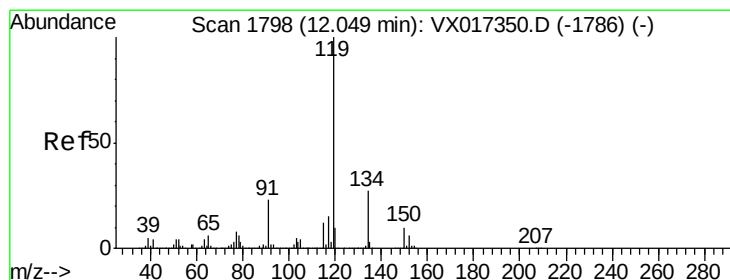
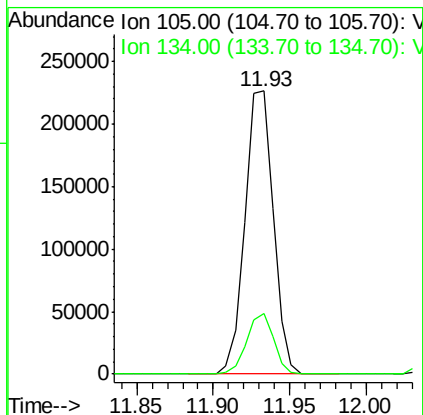
VX0716WBS01

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#86

p-Isopropyltoluene

Concen: 18.967 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017386.D

Acq: 16 Jul 2020 13:03

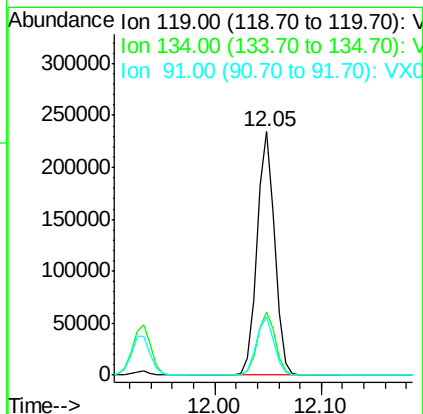
Tgt Ion:119 Resp: 271621

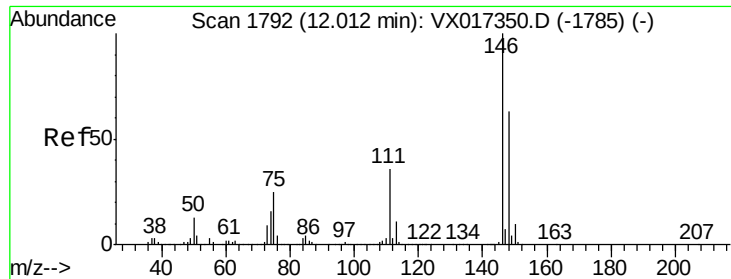
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

91 24.2 11.8 35.3





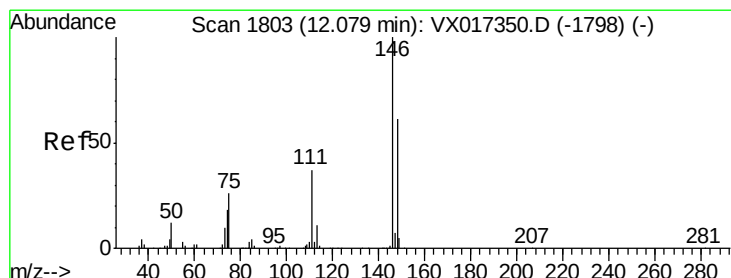
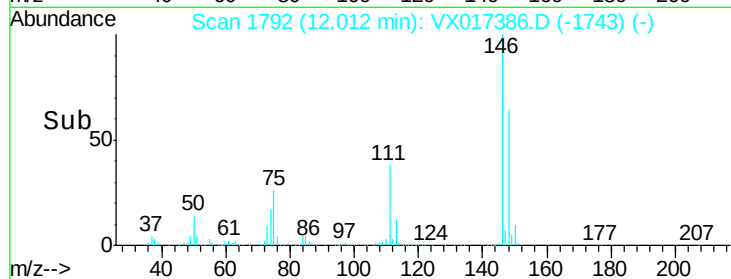
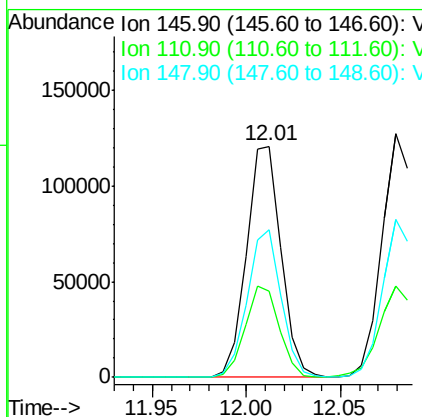
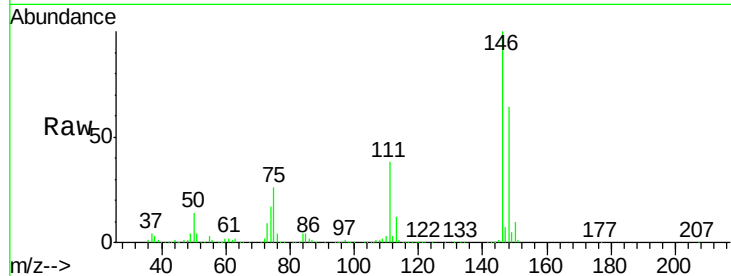
#87
 1,3-Dichlorobenzene
 Concen: 19.143 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.2	57.6
148	62.3	31.6	95.0

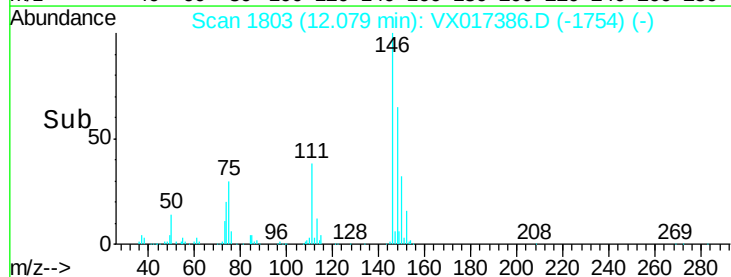
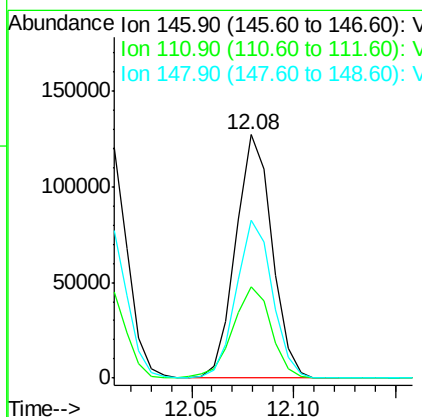
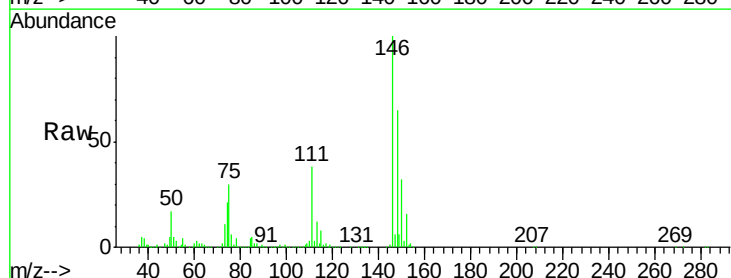
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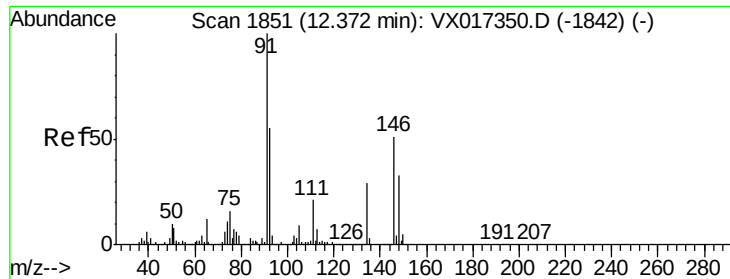
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#88
 1,4-Dichlorobenzene
 Concen: 19.319 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.9	56.9
148	64.8	31.9	95.9





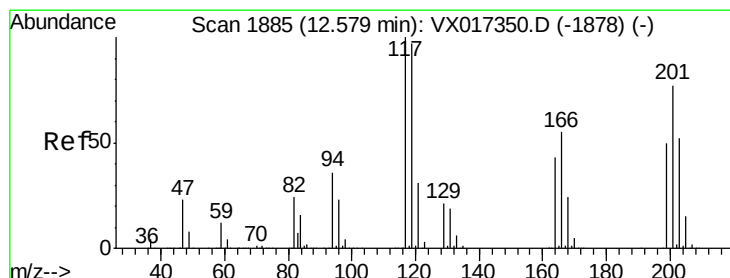
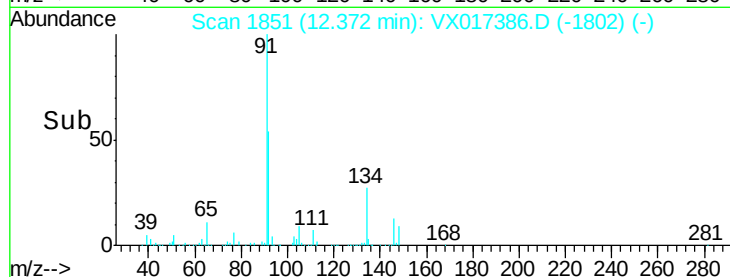
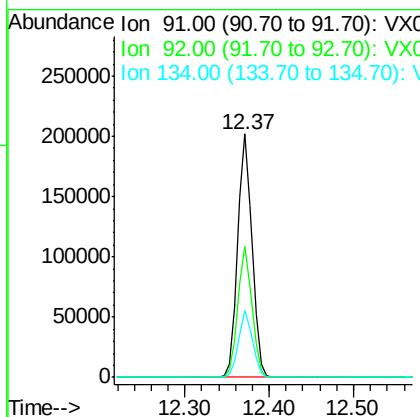
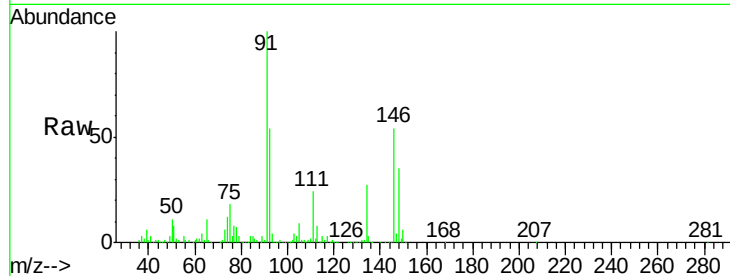
#89
n-Butylbenzene
Concen: 18.983 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	81.0
134	26.5	14.1	42.2

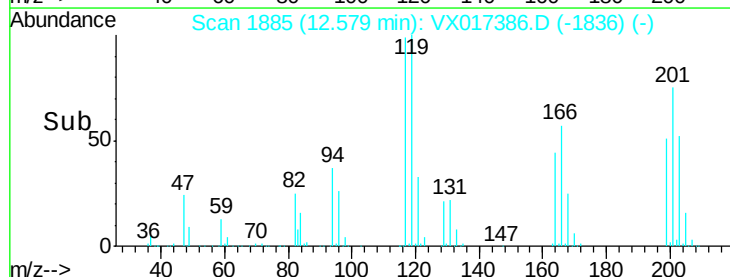
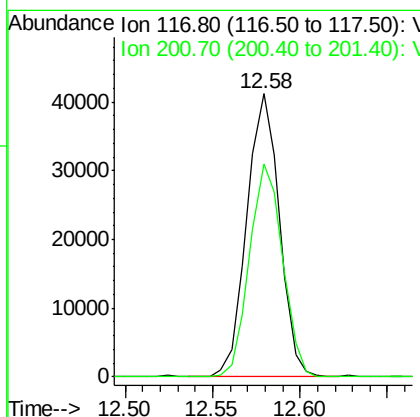
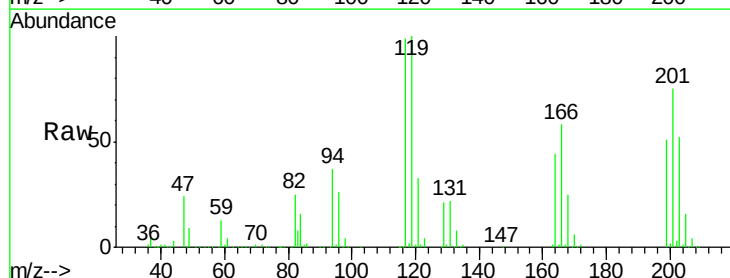
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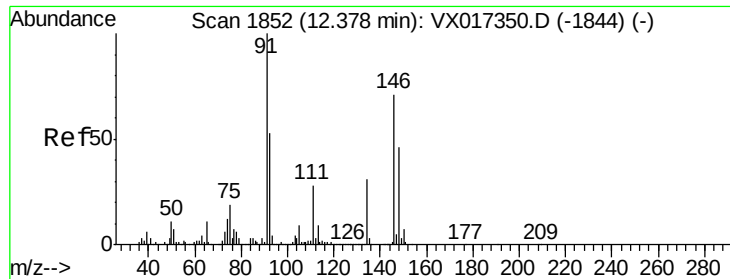
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#90
Hexachloroethane
Concen: 19.555 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.7	41.0	123.0





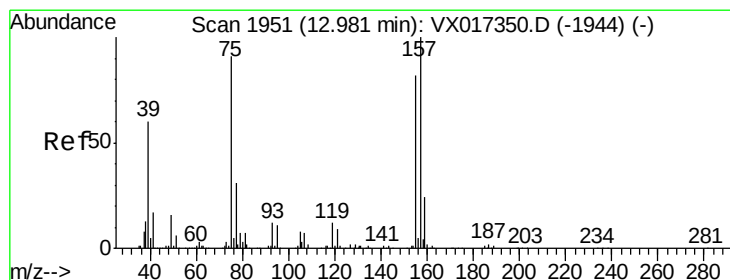
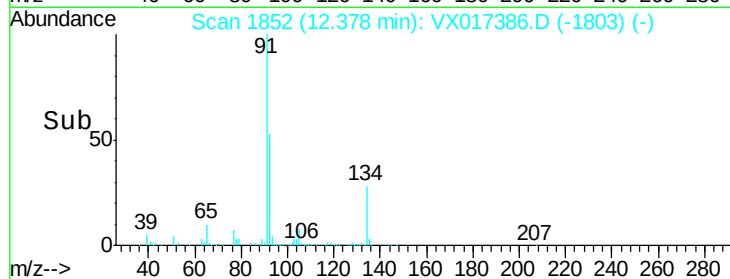
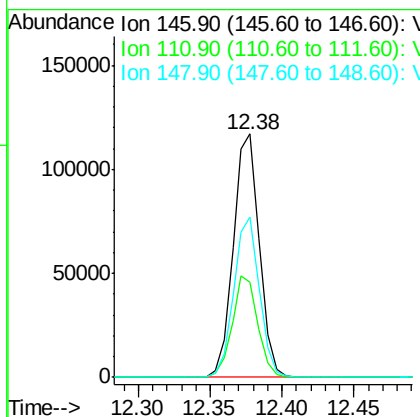
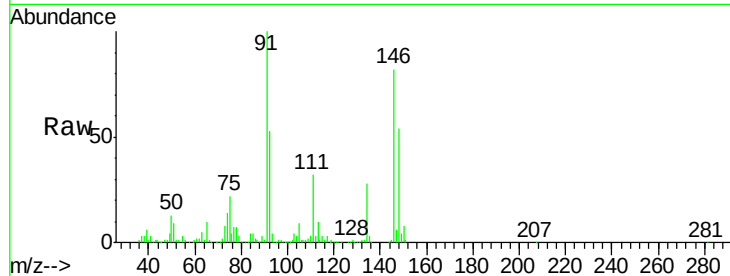
#91
 1,2-Dichlorobenzene
 Concen: 19.561 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	61.0
148	65.1	32.0	96.0

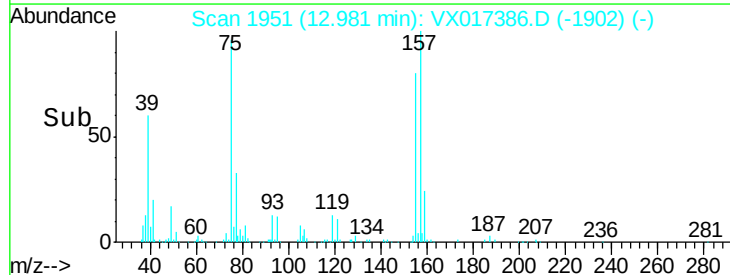
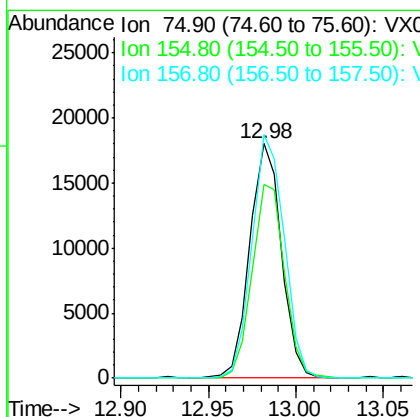
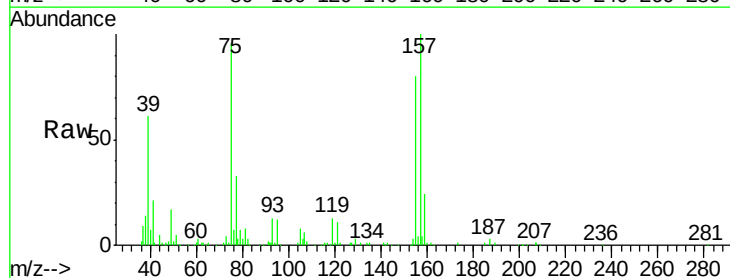
Manual Integrations
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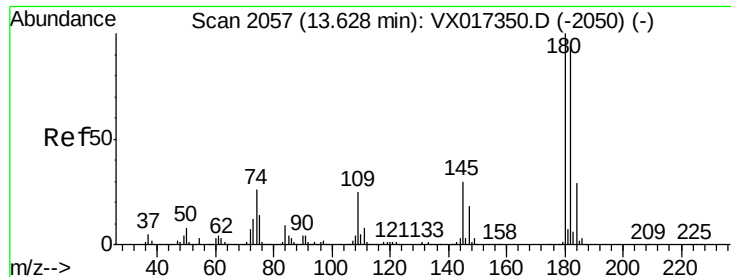
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.012 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	46.5	139.3
157	105.4	58.0	173.9





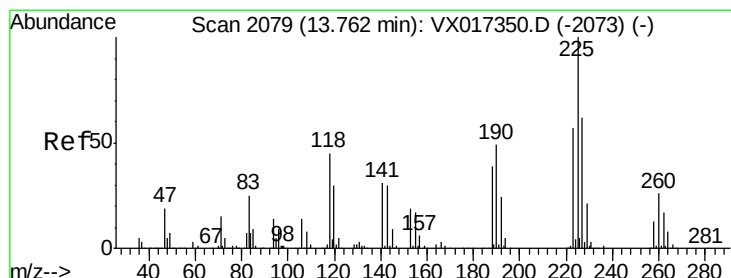
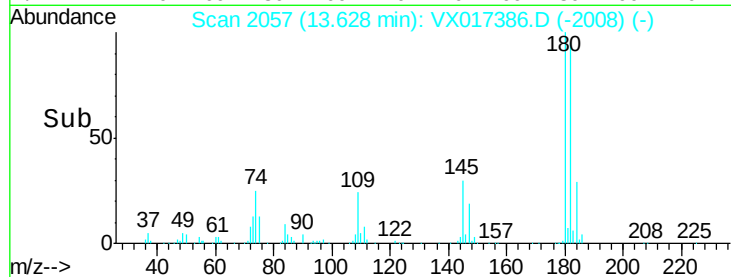
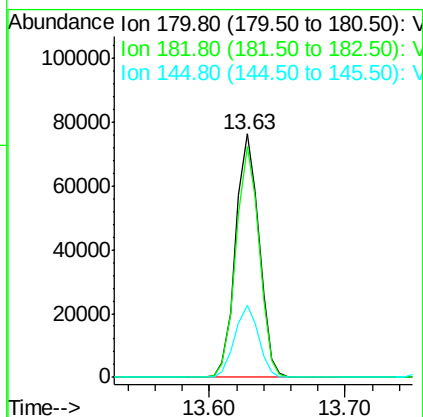
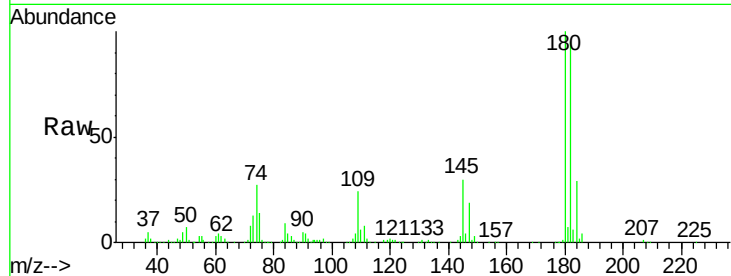
#93
 1,2,4-Trichlorobenzene
 Concen: 17.514 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.0
145	29.9	15.3	45.8

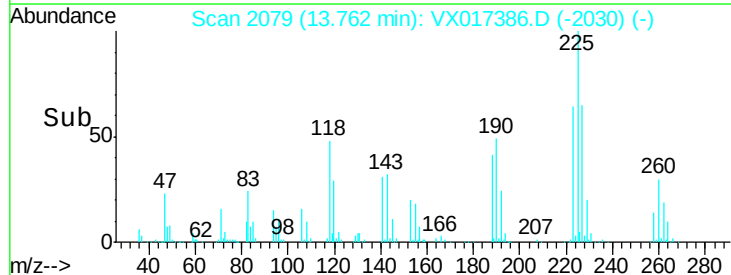
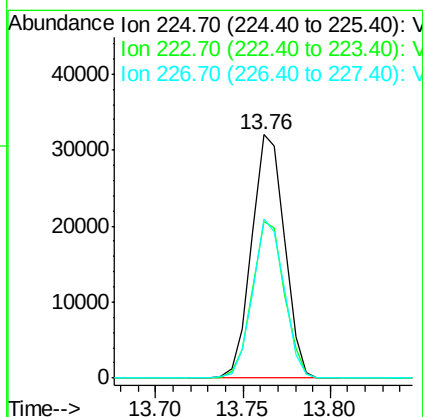
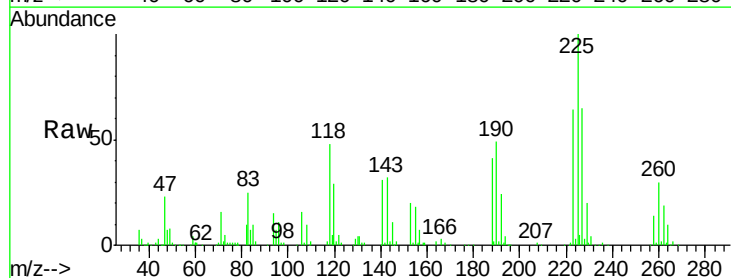
Manual Integrations
 APPROVED

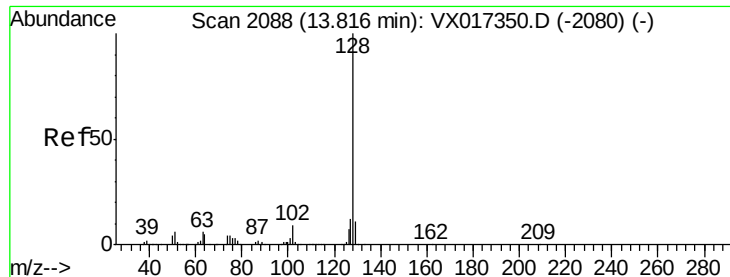
MMDadoda
 7/17/2020 4:44:12 PM



#94
 Hexachlorobutadiene
 Concen: 19.542 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX017386.D
 Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	62.4	31.6	95.0





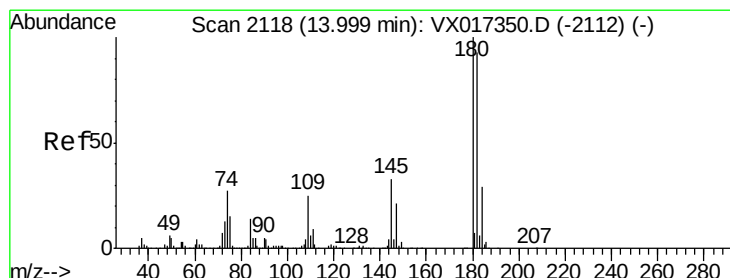
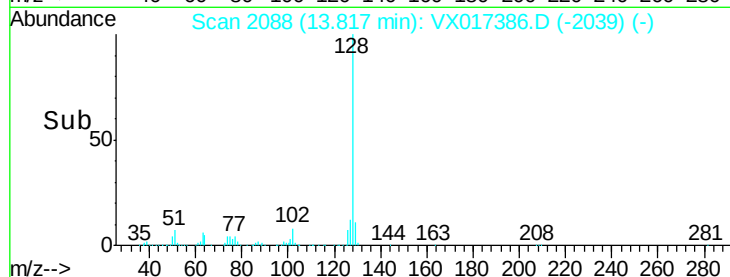
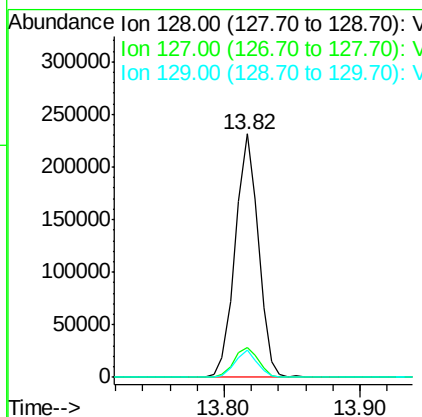
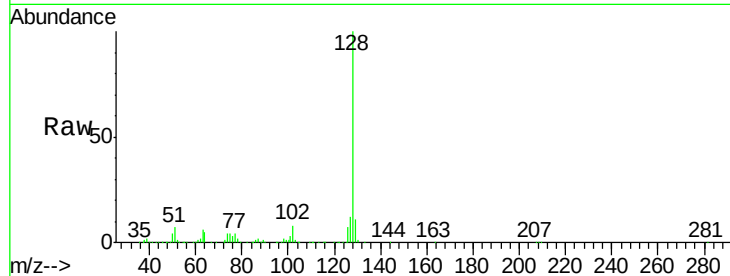
#95
Naphthalene
Concen: 17.806 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/17/2020 4:44:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.032 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017386.D
Acq: 16 Jul 2020 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.8	146.3
145	32.3	16.6	49.7

