

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014824.D
 Acq On : 05 Feb 2020 15:54
 Operator : JC/SP
 Sample : L1377-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MS

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:45 PM

Quant Time: Feb 06 03:57:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	66800	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	363894	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	332010	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	142479	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	11.13	95	157425	29.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.77%
63) Toluene-d8	8.71	98	452331	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	87851	19.030	ug/l 98
3) Chloromethane	1.32	50	95284	18.852	ug/l 97
4) Vinyl Chloride	1.40	62	109278	19.255	ug/l 99
5) Bromomethane	1.64	94	60952	17.211	ug/l 98
6) Chloroethane	1.72	64	61325	19.169	ug/l 93
7) Trichlorofluoromethane	1.93	101	126880	20.192	ug/l 98
8) Diethyl Ether	2.18	74	55124	20.084	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71790	19.527	ug/l 97
10) 1,1-Dichloroethene	2.37	96	70533	19.074	ug/l 98
11) Methyl Iodide	2.50	142	91596	18.470	ug/l 99
12) Methyl Acetate	2.76	43	129065	19.321	ug/l 96
13) Acrolein	2.28	56	64050	91.282	ug/l 99
14) Acrylonitrile	3.13	53	218379	95.539	ug/l 99
15) Acetone	2.43	58	56987	74.367	ug/l 86
16) Carbon Disulfide	2.56	76	184397	18.156	ug/l 98
17) Allyl chloride	2.72	41	127301	18.601	ug/l 91
18) Methylene Chloride	2.85	84	83085	19.198	ug/l 96
19) trans-1,2-Dichloroethene	3.16	96	76773	19.286	ug/l 97
20) Diisopropyl ether	3.84	45	263533	19.463	ug/l 98
21) 1,1-Dichloroethane	3.69	63	144486	19.642	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	89569	19.580	ug/l 97
23) tert-Butyl Alcohol	3.02	59	85497	90.444	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	245212	19.925	ug/l 98
25) Chloroform	5.20	83	142373	19.980	ug/l 97
26) Cyclohexane	5.57	56	126157	18.593	ug/l 99
29) 1,1-Dichloropropene	5.79	75	103685	19.428	ug/l 99
30) 2-Butanone	4.65	43	295023	87.268	ug/l 99
31) 2,2-Dichloropropane	4.58	77	109936	19.252	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	118007	19.987	ug/l 99
33) Carbon Tetrachloride	5.78	117	99961	19.721	ug/l 99
34) Benzene	6.14	78	320474	19.433	ug/l 97
35) Methacrylonitrile	5.03	41	63864	18.915	ug/l 93
36) 1,2-Dichloroethane	6.18	62	118541	20.655	ug/l 98
37) Trichloroethene	7.21	130	87349	19.345	ug/l 98
38) Methylcyclohexane	7.46	83	125427	18.876	ug/l 99
39) 1,2-Dichloropropane	7.50	63	82789	19.306	ug/l 99
40) Dibromomethane	7.65	93	54827	19.894	ug/l 99

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Manual Integrations
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Quant Time: Feb 06 03:57:08 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	106865	19.801	ug/l	96
42) Vinyl Acetate	3.80	43	988544	94.871	ug/l	100
43) Ethyl Acetate	4.82	43	111695	18.251	ug/l	99
44) Isopropyl Acetate	6.43	43	188148	19.058	ug/l	99
45) 1,4-Dioxane	7.73	88	34477	349.116	ug/l	98
46) Methyl methacrylate	7.76	41	93778	19.316	ug/l	97
47) n-amyl Acetate	10.89	43	155972	18.855	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	114661	19.460	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	124858	18.806	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	84058	20.044	ug/l	98
51) Ethyl methacrylate	9.17	69	123238	18.874	ug/l	97
52) 1,3-Dichloropropane	9.37	76	141750	19.950	ug/l	100
53) Dibromochloromethane	9.57	129	84759	19.760	ug/l	98
54) 1,2-Dibromoethane	9.67	107	86791	19.955	ug/l	98
56) Bromoform	10.85	173	63082	19.093	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	594885	95.147	ug/l	99
59) 2-Hexanone	9.48	43	448872	92.830	ug/l	100
61) Tetrachloroethene	9.33	164	85615	17.447	ug/l	98
62) Toluene	8.78	91	349527	19.843	ug/l	99
64) Chlorobenzene	10.13	112	215498	19.598	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	79371	19.543	ug/l	98
66) Ethyl Benzene	10.25	91	377630	19.682	ug/l	100
67) m/p-Xylenes	10.35	106	287880	39.172	ug/l	100
68) o-Xylene	10.70	106	139274	19.462	ug/l	100
69) Styrene	10.71	104	233024	19.218	ug/l	99
70) Isopropylbenzene	11.01	105	369658	19.717	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	125784	19.917	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	102982m	19.064	ug/l	
73) Bromobenzene	11.25	156	97626	19.644	ug/l	98
74) n-propylbenzene	11.35	91	417325	19.480	ug/l	98
75) 2-Chlorotoluene	11.42	91	249891	19.463	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	308014	19.717	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	36955	17.775	ug/l	95
78) 4-Chlorotoluene	11.51	91	286110	19.621	ug/l	97
79) tert-butylbenzene	11.76	119	296851	20.308	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	302648	19.424	ug/l	99
81) sec-Butylbenzene	11.94	105	353888	19.565	ug/l	100
82) p-Isopropyltoluene	12.06	119	321038	19.442	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	170541	19.653	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	173079	20.118	ug/l	98
85) n-Butylbenzene	12.39	91	267966	18.547	ug/l	99
86) Hexachloroethane	12.59	117	54779	18.500	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	171550	19.592	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	25847	19.160	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	112461	19.459	ug/l	98
90) Hexachlorobutadiene	13.78	225	55607	19.256	ug/l	100
91) Naphthalene	13.83	128	344849	19.767	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	118026	20.063	ug/l	98

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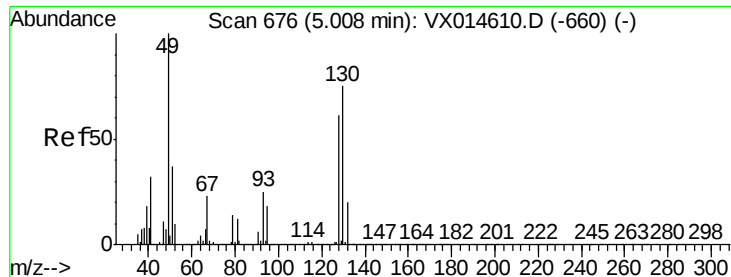
Manual Integrations
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2/6/2020 1:32:45 PM

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QLast Update : Wed Jan 15 12:41:12 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

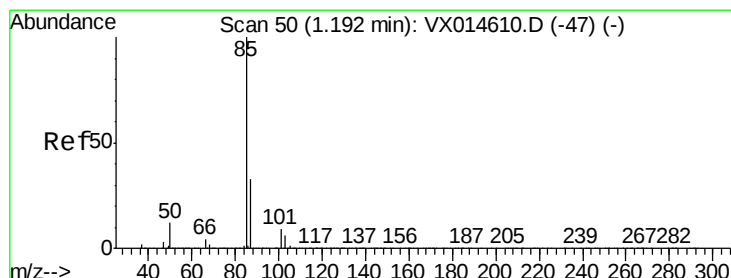
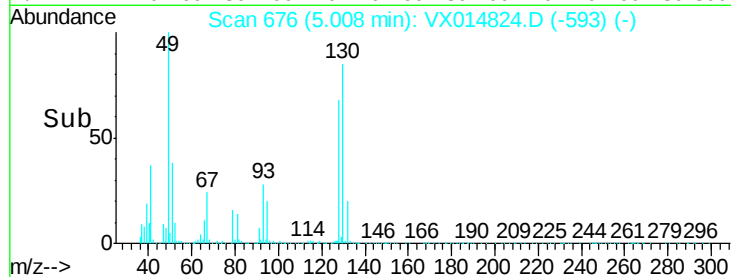
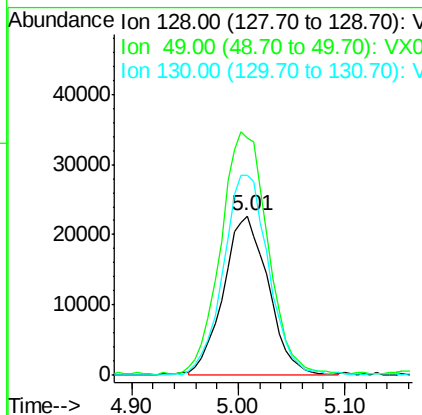
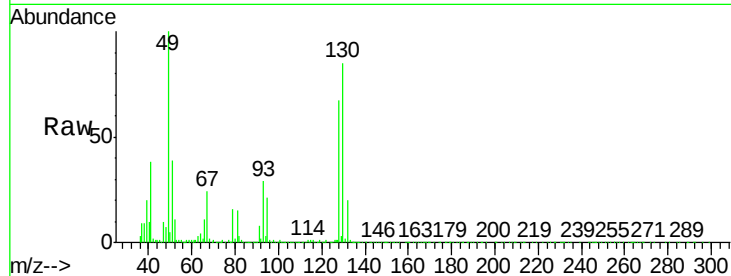
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Lower	Upper
128	100		
49	157.6	0.0	405.0
130	127.6	0.0	321.5

Manual Integrations
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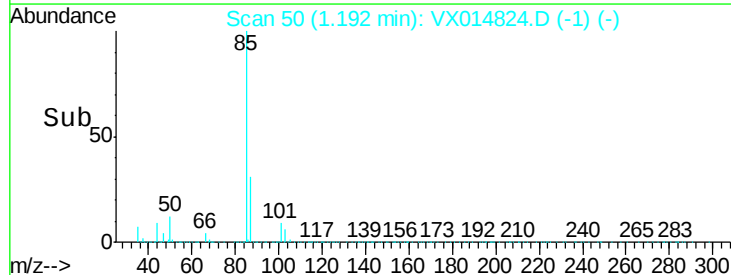
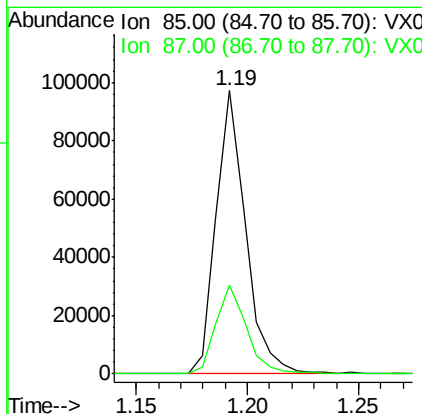
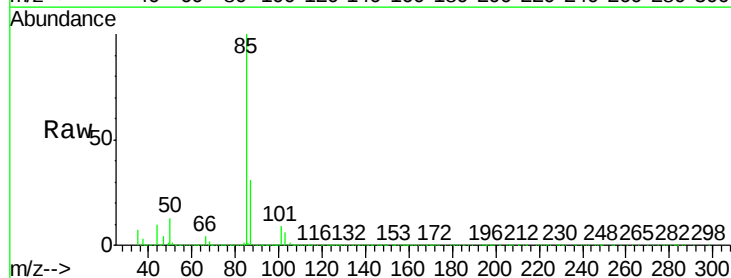
MMDadoda
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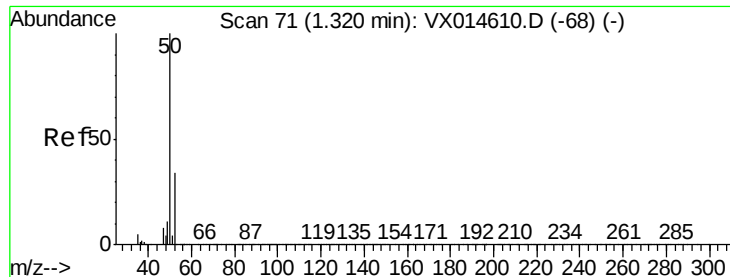


#2

Dichlorodifluoromethane
Concen: 19.030 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.3	48.9





#3

Chloromethane

Concen: 18.852 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion: 50 Resp: 95284

Ion Ratio Lower Upper

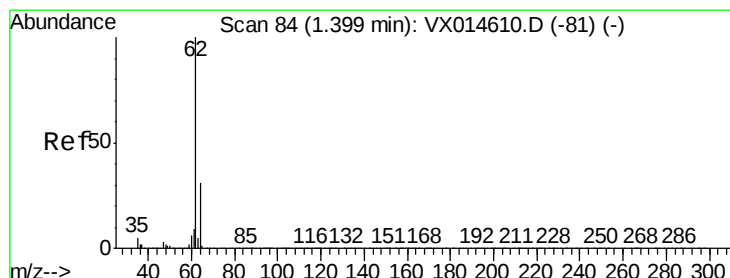
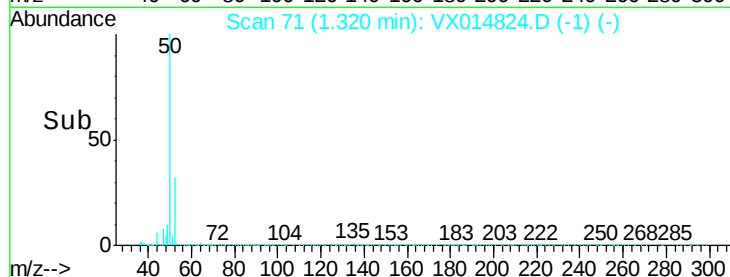
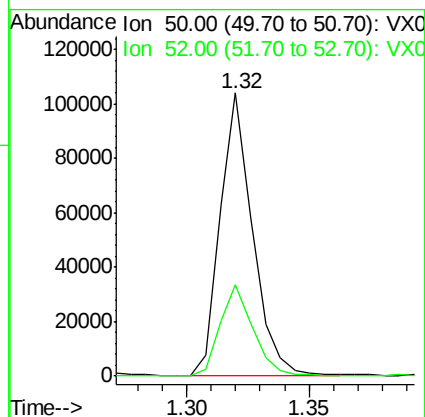
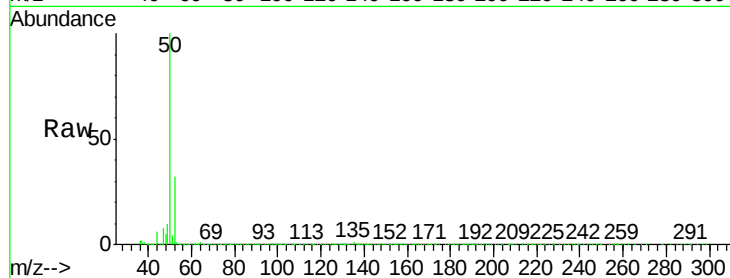
50 100

52 32.1 24.3 36.5

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#4

Vinyl Chloride

Concen: 19.255 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014824.D

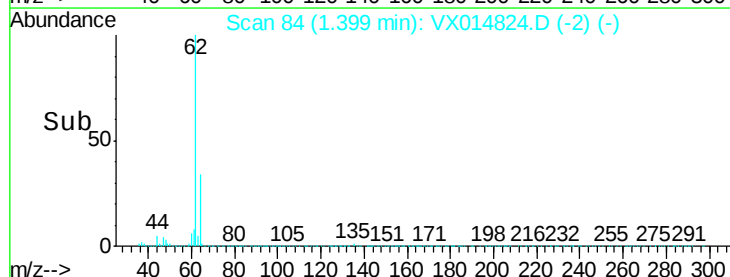
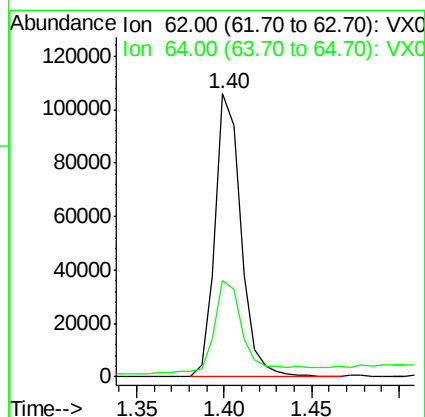
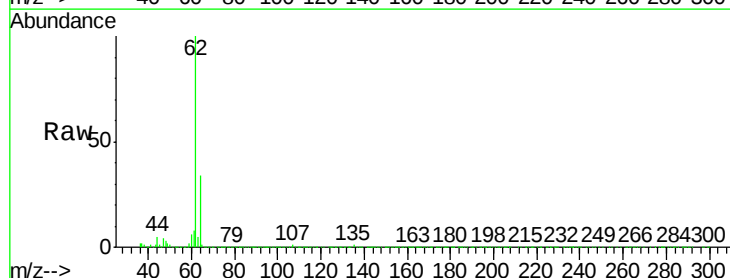
Acq: 05 Feb 2020 15:54

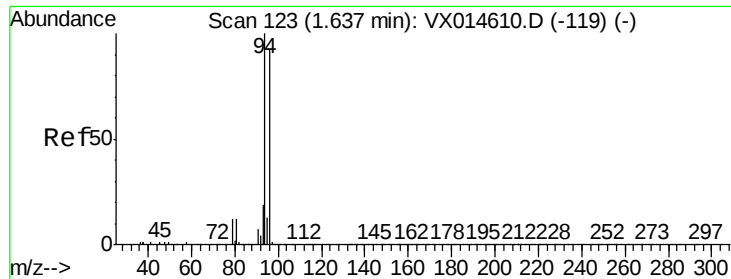
Tgt Ion: 62 Resp: 109278

Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8





#5

Bromomethane

Concen: 17.211 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampled :

BW-2MS

Tot Ion: 94 Resp: 60952

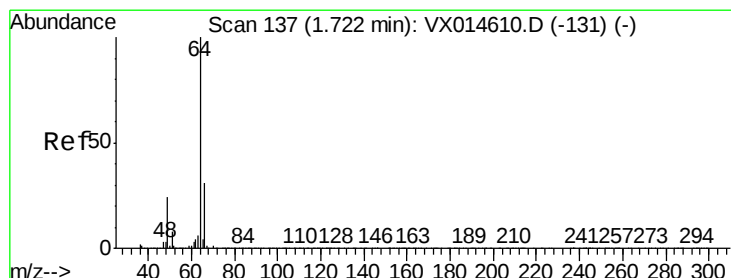
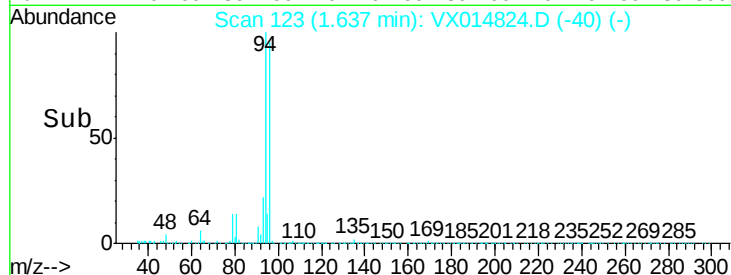
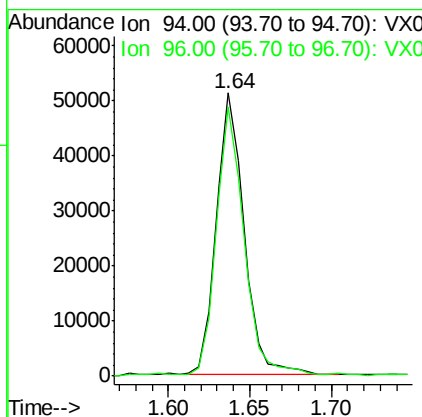
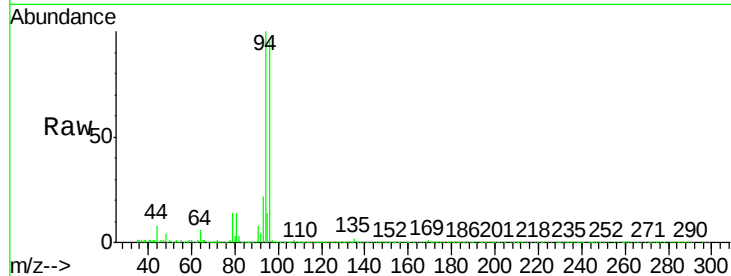
Ion Ratio Lower Upper

94 100

96 95.3 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 19.169 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014824.D

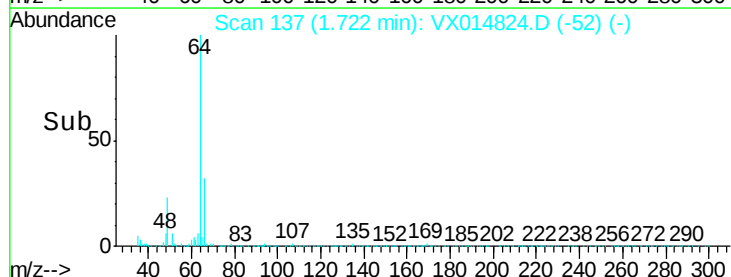
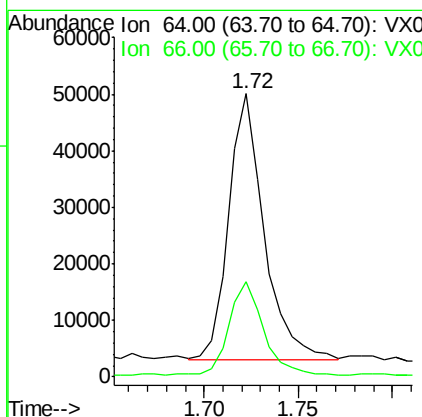
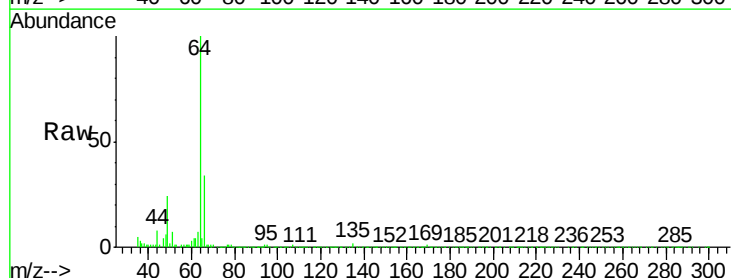
Acq: 05 Feb 2020 15:54

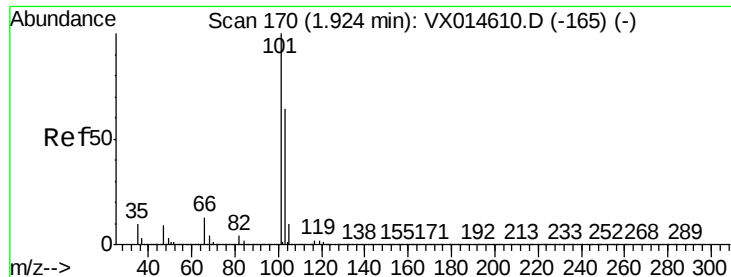
Tgt Ion: 64 Resp: 61325

Ion Ratio Lower Upper

64 100

66 35.3 25.2 37.8





#7

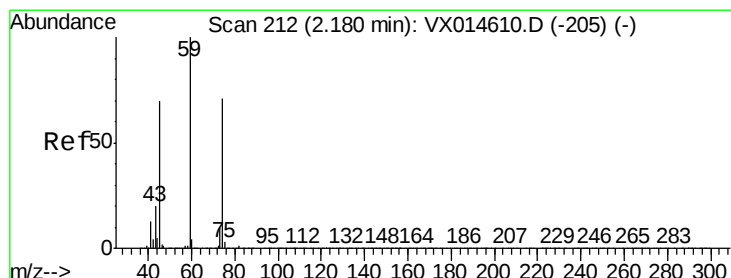
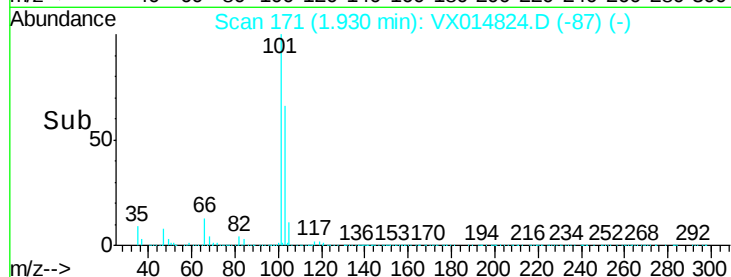
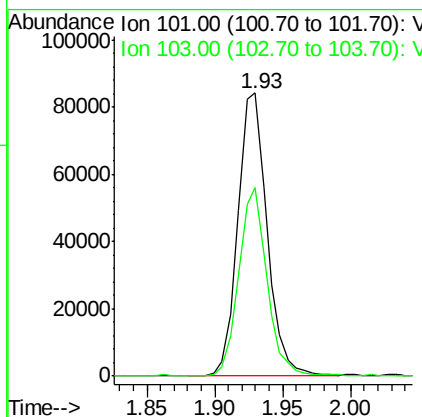
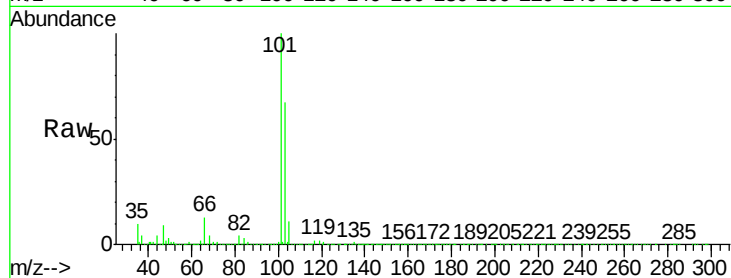
Trichlorofluoromethane
Concen: 20.192 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.6	77.4

Manual Integrations
APPROVED

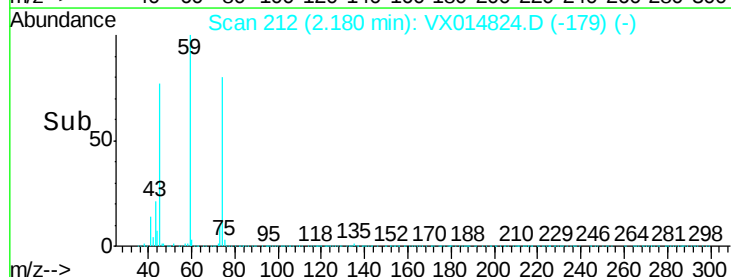
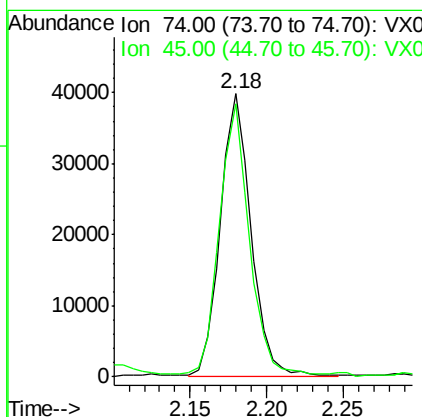
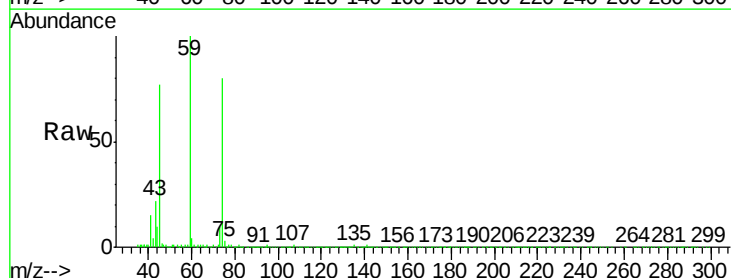
MMDadoda
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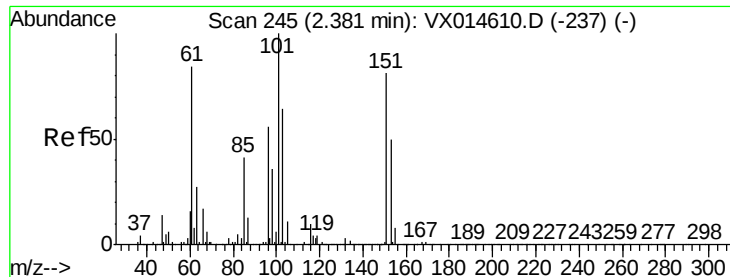


#8

Diethyl Ether
Concen: 20.084 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.527 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

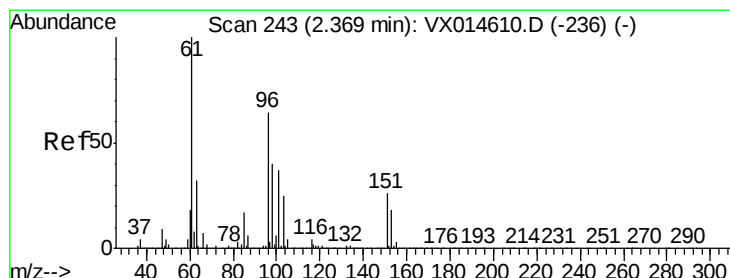
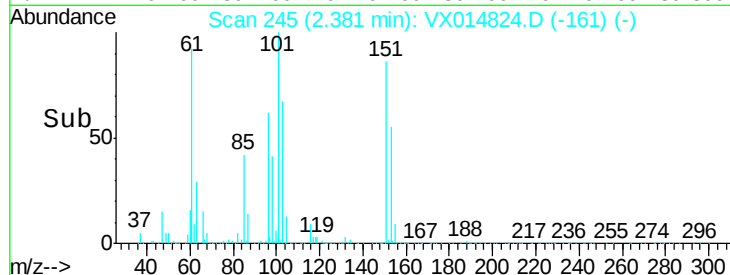
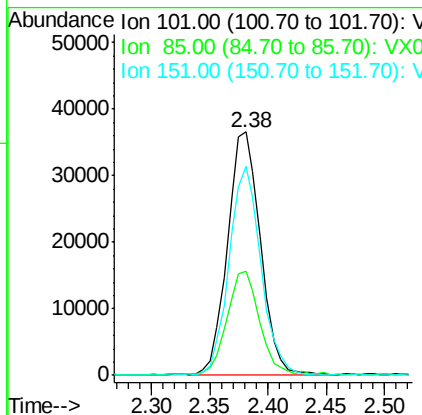
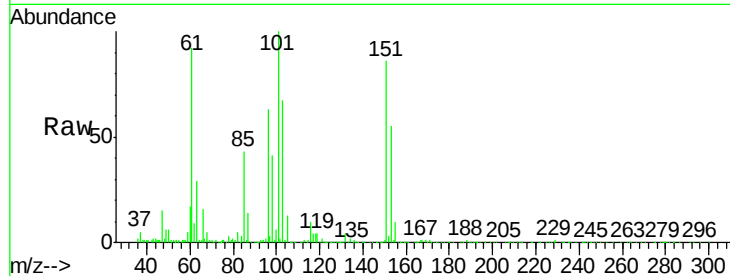
ClientSampled :

BW-2MS

Tot Ion:	101	Resp:	71790
Ion Ratio	Lower	Upper	
101	100		
85	42.0	0.0	85.6
151	83.0	0.0	159.4

Manual Integrations
APPROVED

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2/6/2020 1:32:45 PM



#10

1,1-Dichloroethene

Concen: 19.074 ug/l

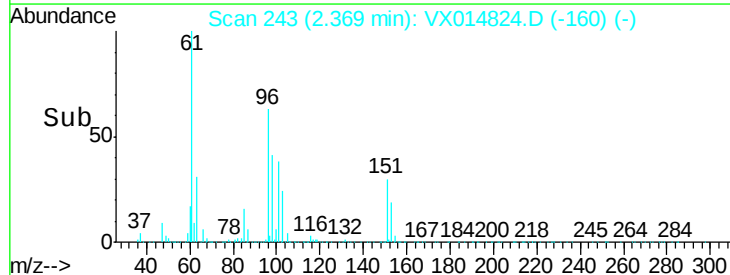
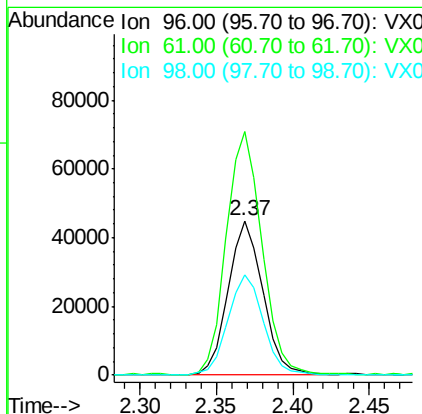
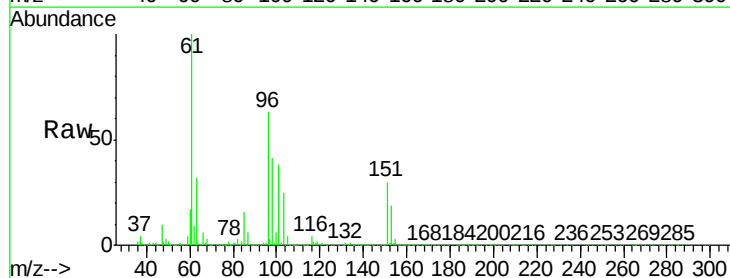
RT: 2.37 min Scan# 243

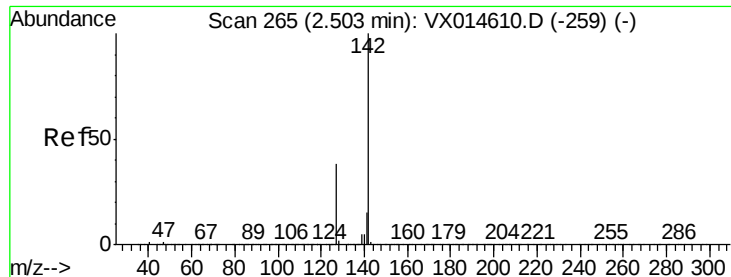
Delta R.T. 0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Tgt Ion:	96	Resp:	70533
Ion Ratio	Lower	Upper	
96	100		
61	157.7	123.0	184.6
98	64.5	51.4	77.0





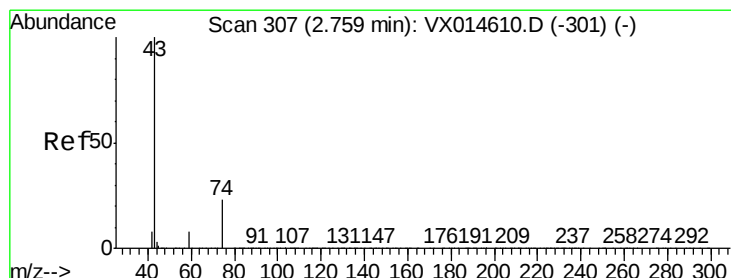
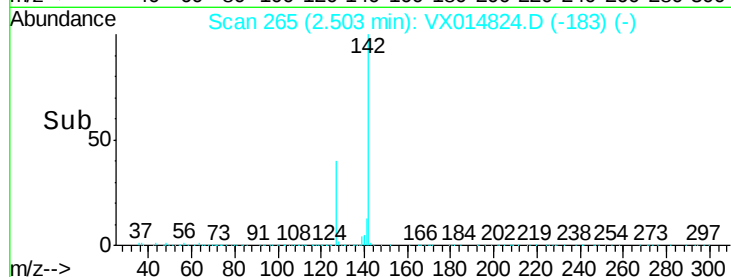
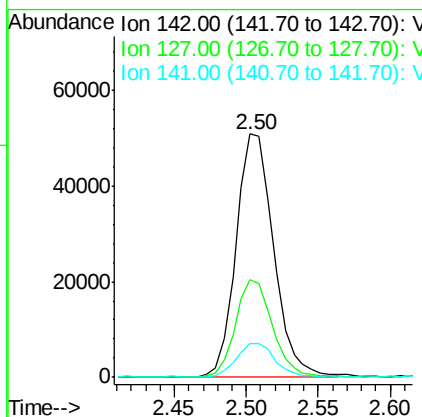
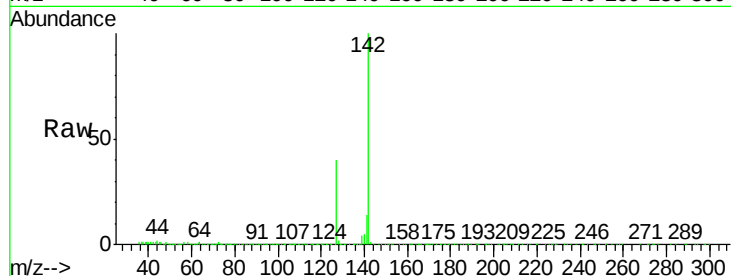
#11
Methvl Iodide
Concen: 18.470 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.1	19.5	58.5
141	13.6	7.0	20.9

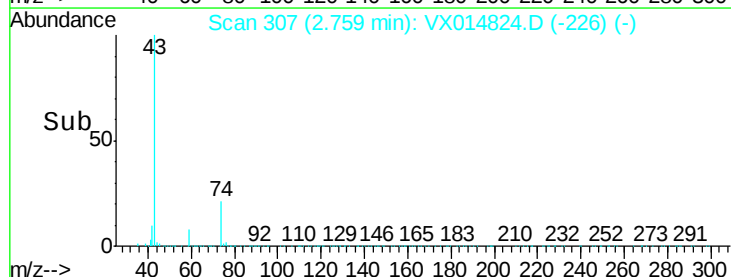
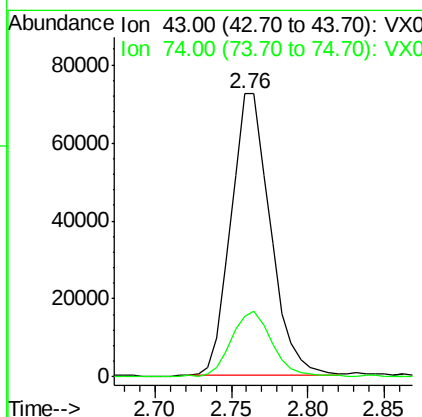
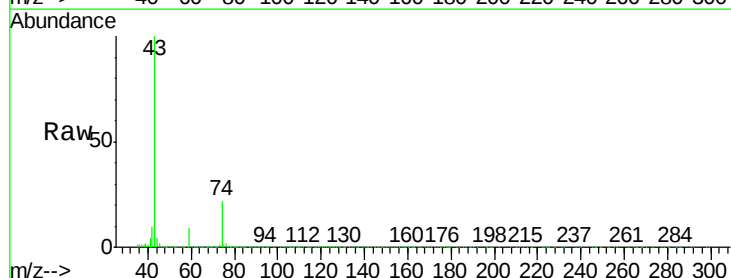
Manual Integrations
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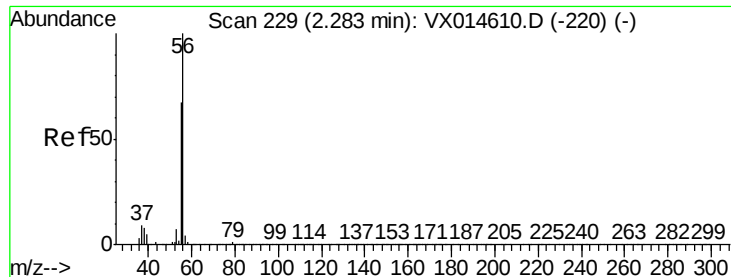
MMDadoda
2/6/2020 1:32:45 PM



#12
Methyl Acetate
Concen: 19.321 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	18.5	27.7





#13

Acrolein

Concen: 91.282 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion: 56 Resp: 64050

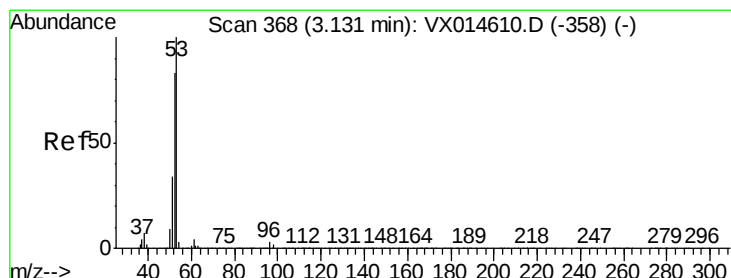
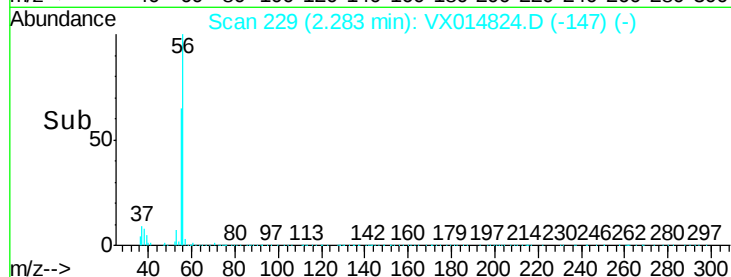
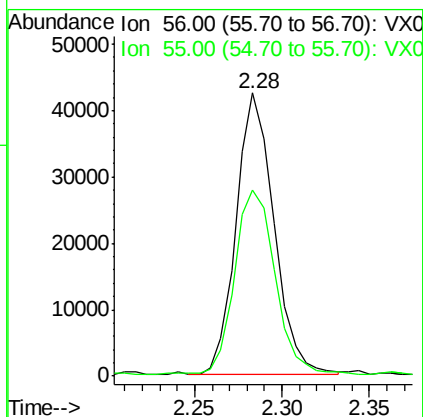
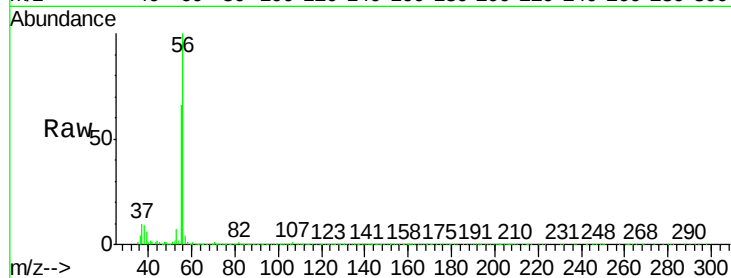
Ion Ratio Lower Upper

56 100

55 69.4 54.9 82.3

Manual Integrations
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#14

Acrylonitrile

Concen: 95.539 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

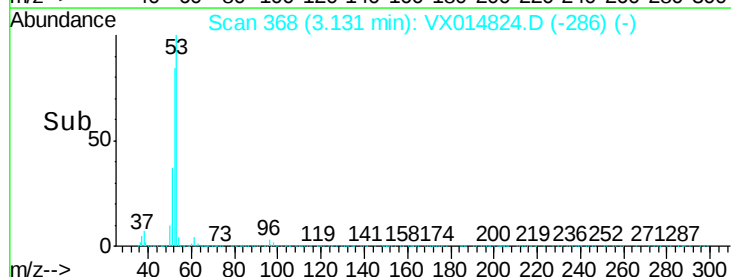
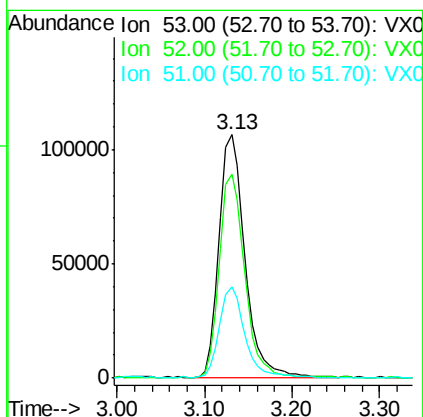
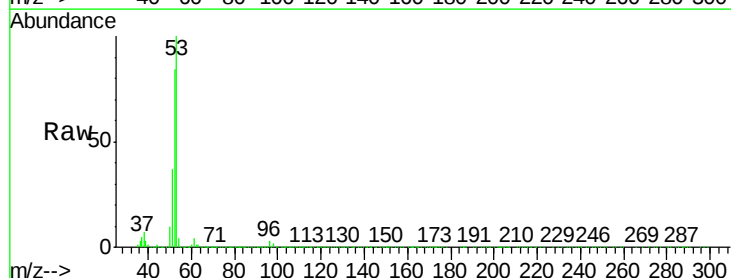
Tgt Ion: 53 Resp: 218379

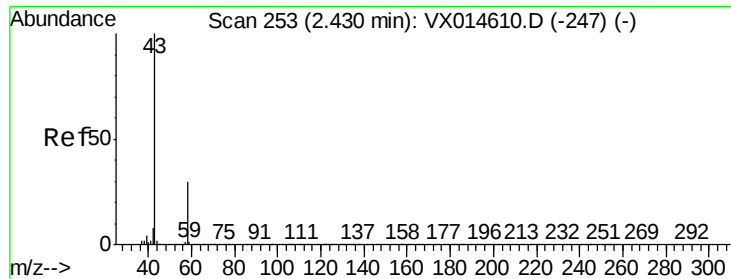
Ion Ratio Lower Upper

53 100

52 82.4 41.5 124.6

51 36.8 17.8 53.5





#15

Acetone

Concen: 74.367 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion: 58 Resp: 56987

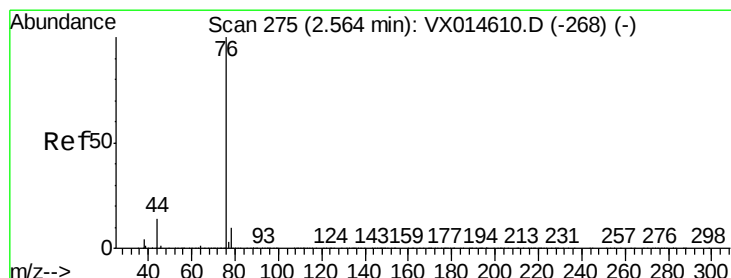
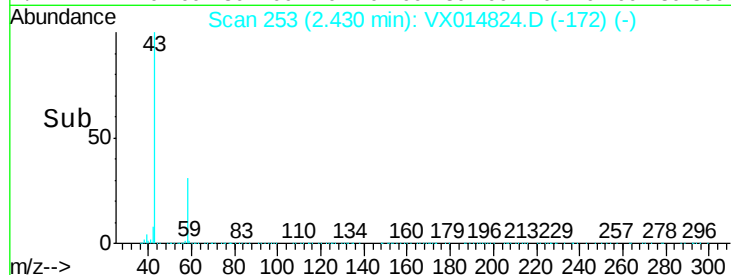
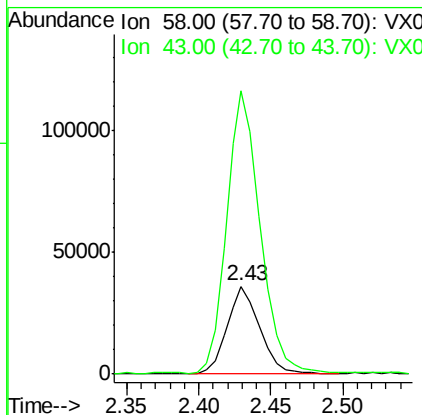
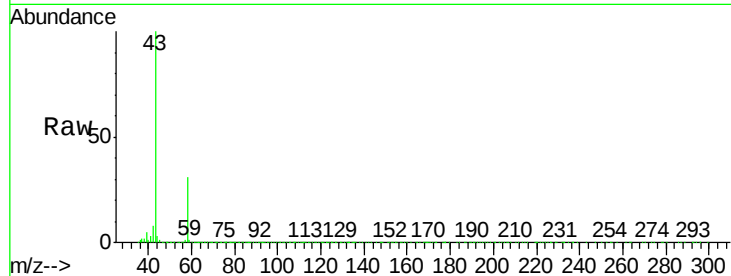
Ion Ratio Lower Upper

58 100

43 322.8 236.3 354.5

Manual Integrations
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#16

Carbon Disulfide

Concen: 18.156 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014824.D

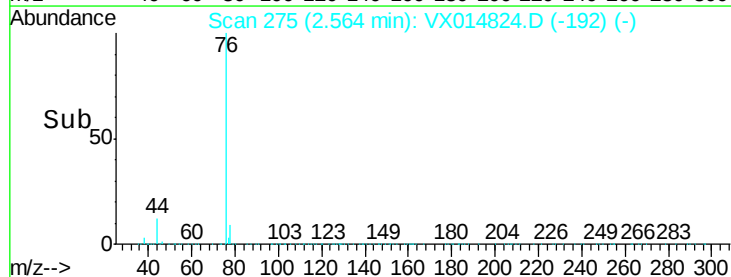
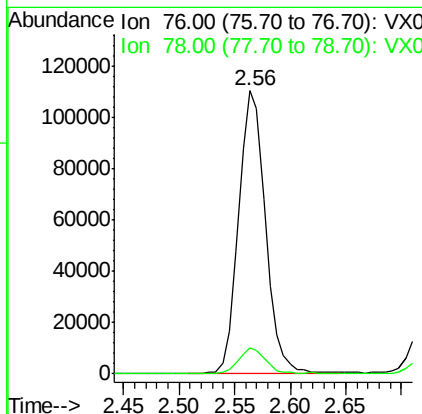
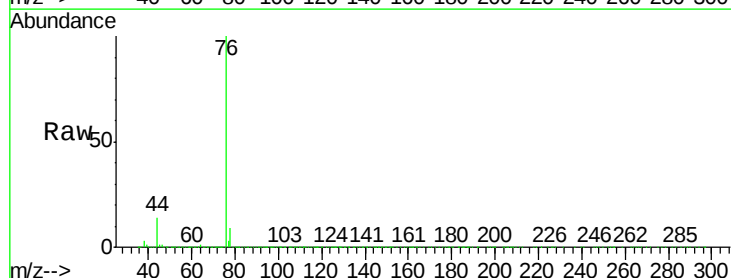
Acq: 05 Feb 2020 15:54

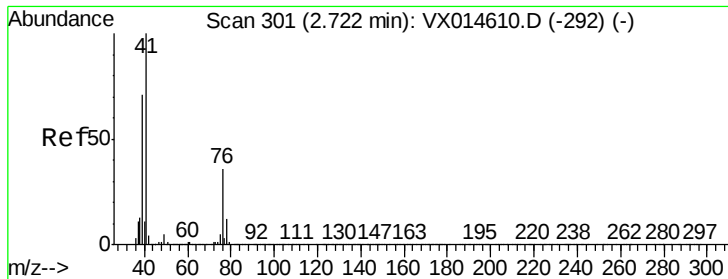
Tgt Ion: 76 Resp: 184397

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.8





#17

Allvl chloride

Concen: 18.601 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

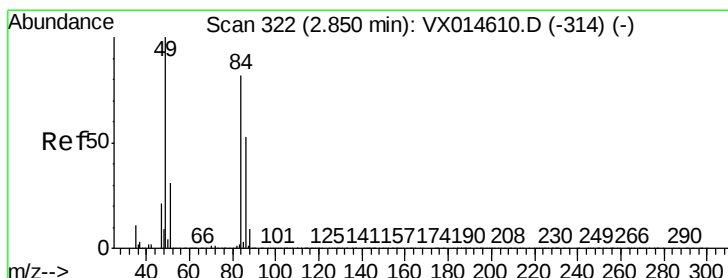
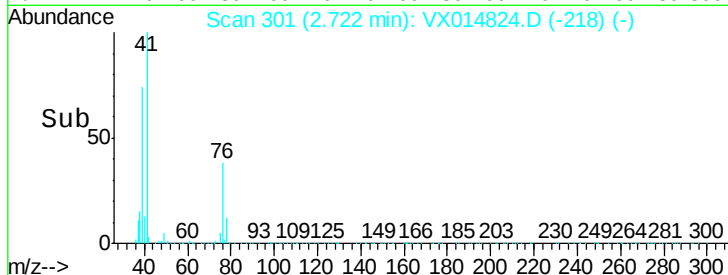
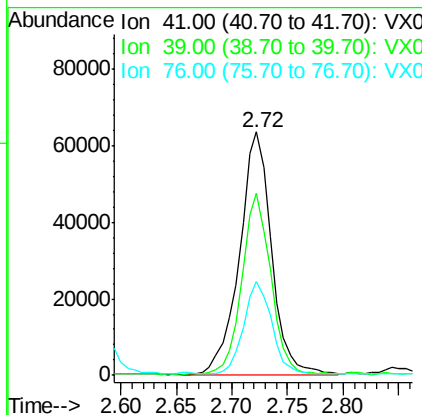
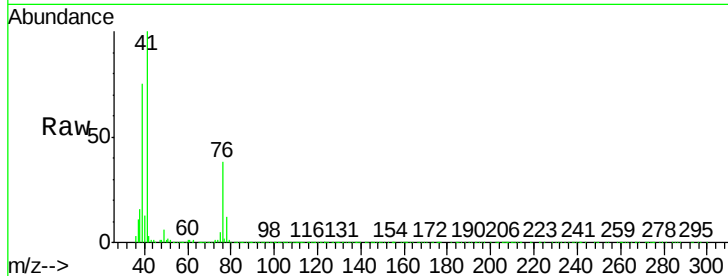
ClientSampleId :

BW-2MS

Tot Ion:	41	Resp:	127301
Ion Ratio		Lower	Upper
41	100		
39	74.8	33.4	100.2
76	38.1	17.0	50.9

Manual Integrations
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#18

Methylene Chloride

Concen: 19.198 ug/l

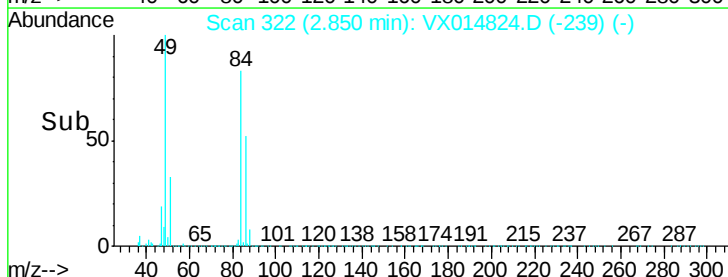
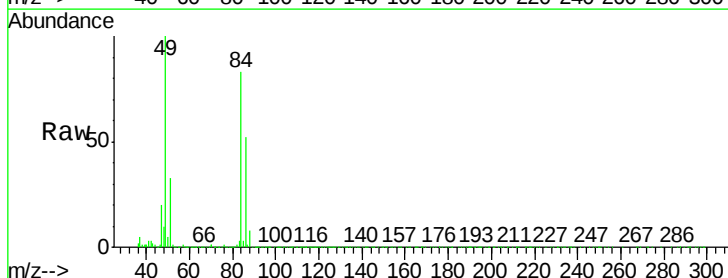
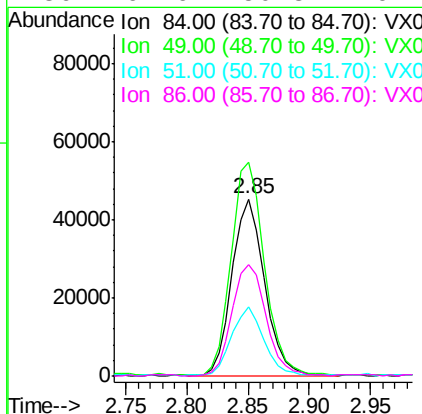
RT: 2.85 min Scan# 322

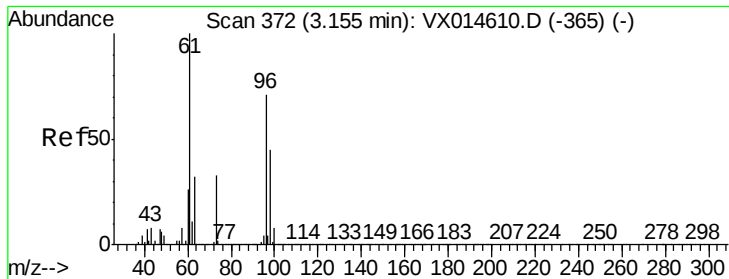
Delta R.T. 0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Tgt Ion:	84	Resp:	83085
Ion Ratio		Lower	Upper
84	100		
49	120.5	102.2	153.2
51	38.8	31.4	47.0
86	62.6	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 19.286 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

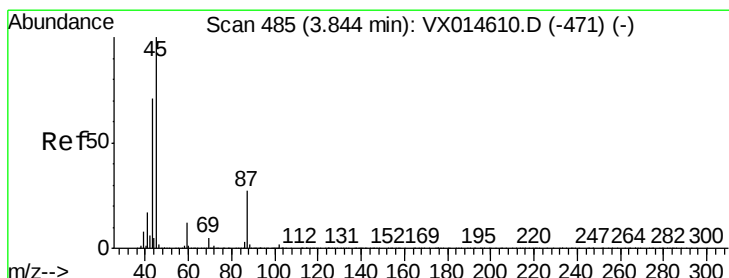
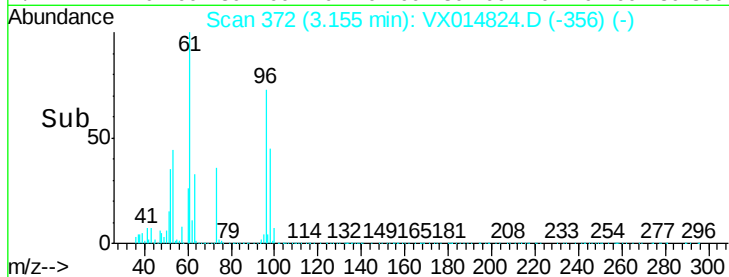
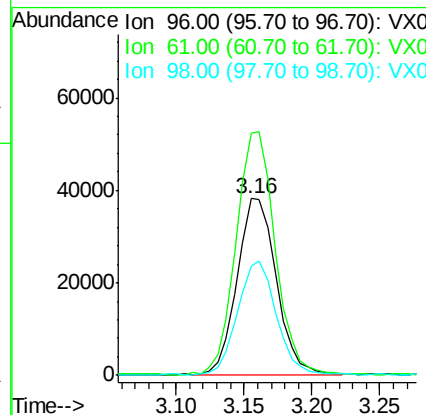
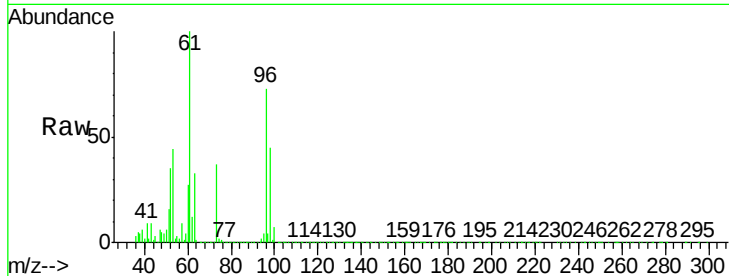
ClientSampleId :

BW-2MS

Tot Ion:	96	Resp:	76773
Ion	Ratio	Lower	Upper
96	100		
61	137.2	106.6	159.8
98	61.7	51.6	77.4

Manual Integrations
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#20

Diisopropyl ether

Concen: 19.463 ug/l

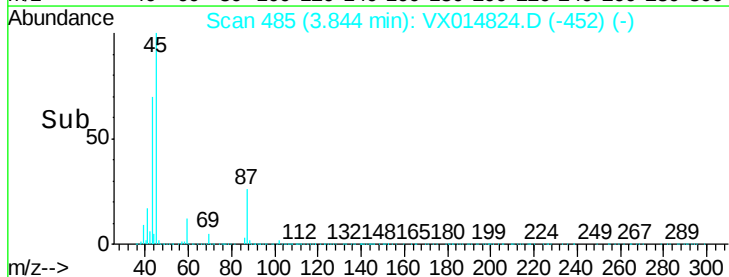
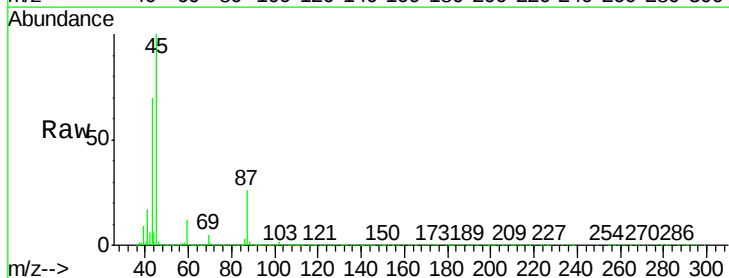
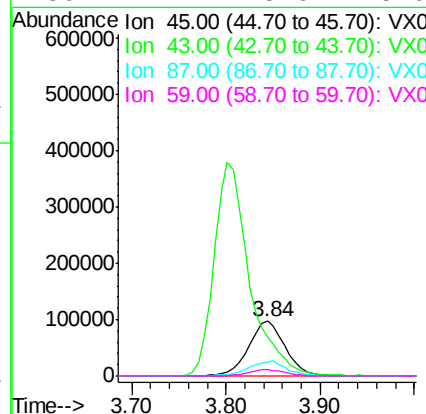
RT: 3.84 min Scan# 485

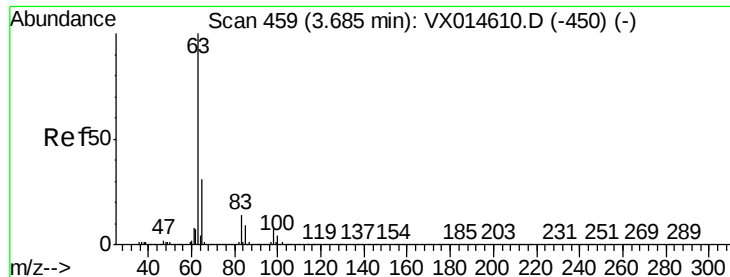
Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Tgt Ion:	45	Resp:	263533
Ion	Ratio	Lower	Upper
45	100		
43	69.0	55.9	83.9
87	25.7	22.2	33.2
59	12.1	8.6	13.0





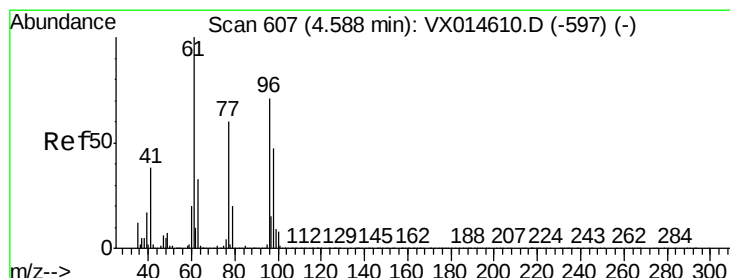
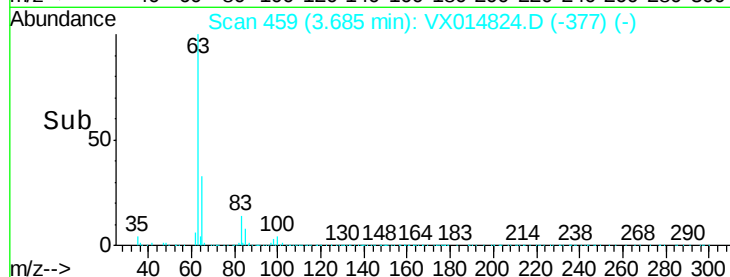
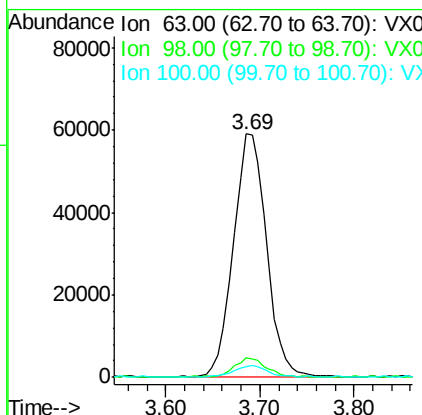
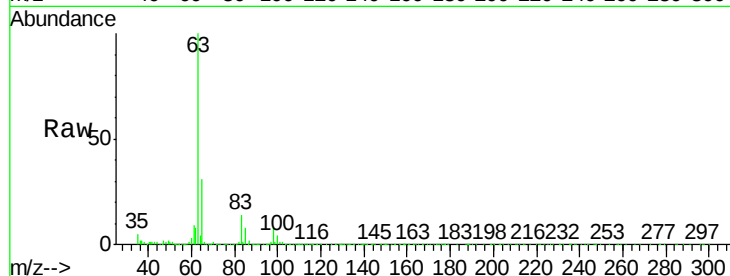
#21
 1,1-Dichloroethane
 Concen: 19.642 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
63	100	144486		
98	8.1	3.4	10.1	
100	4.3	2.5	7.4	

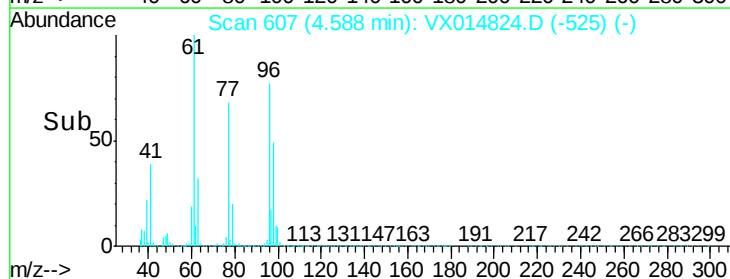
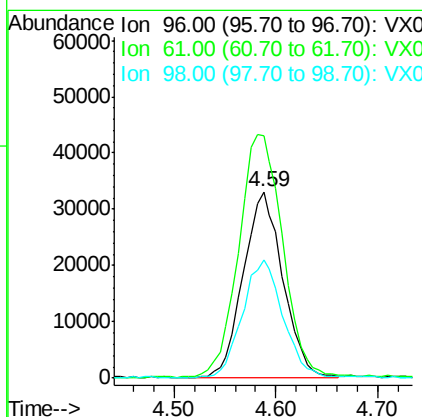
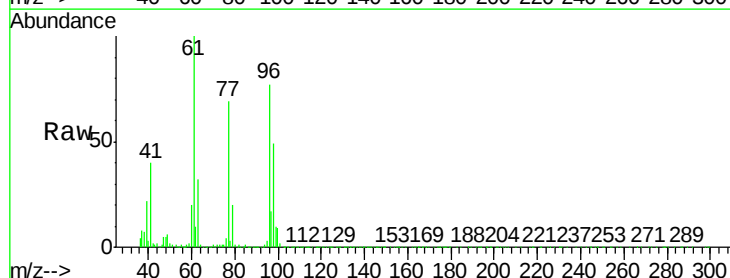
Manual Integrations
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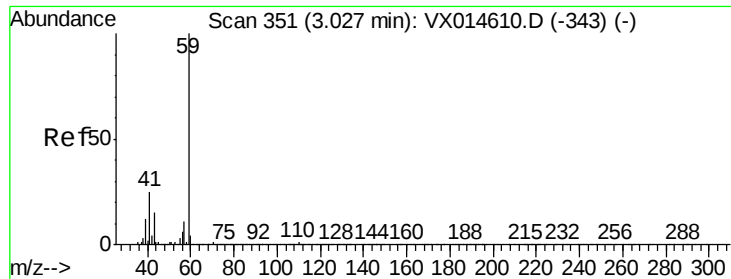
MMDadoda
 2/6/2020 1:32:45 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.580 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	89569		
61	144.1	112.4	168.6	
98	64.8	50.3	75.5	





#23

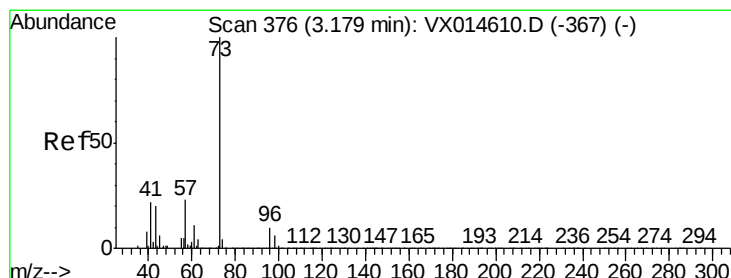
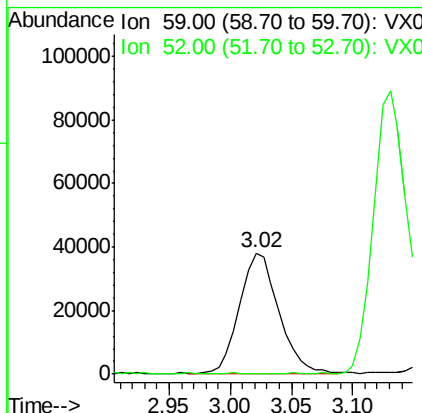
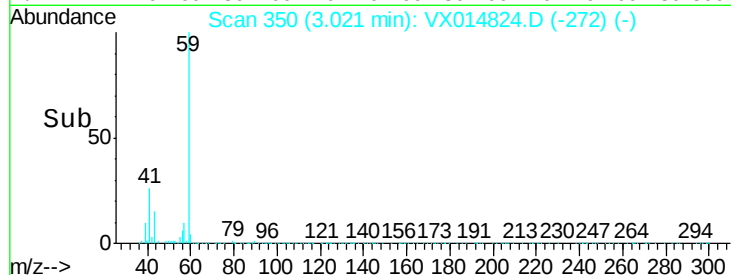
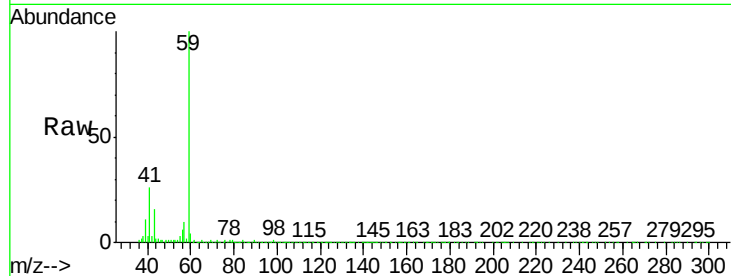
tert-Butyl Alcohol
 Concen: 90.444 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Instrument :
 MSVOA_X
 ClientSampled :
 BW-2MS

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

Manual Integrations
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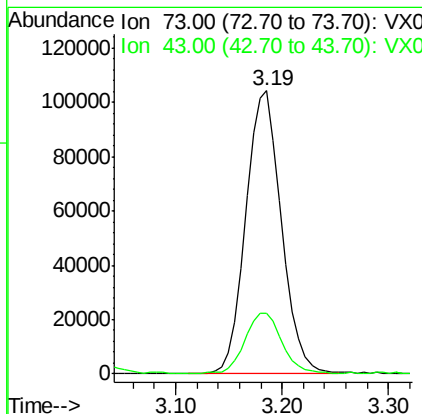
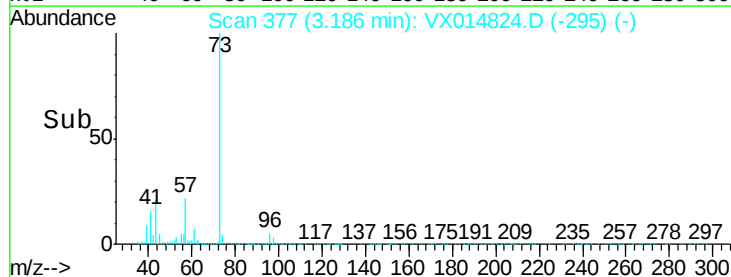
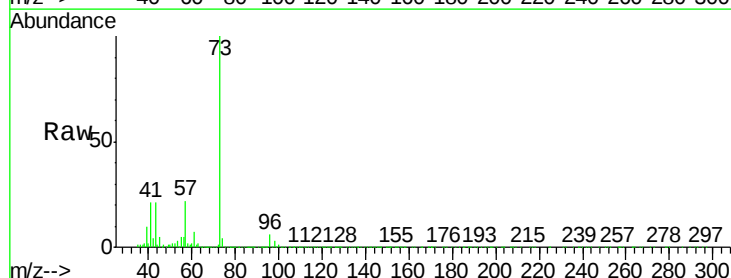
MMDadoda
 2/6/2020 1:32:45 PM

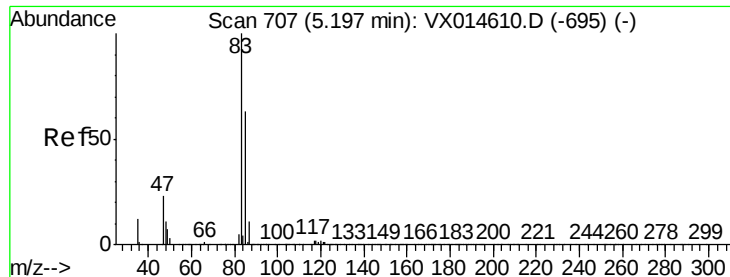


#24

Methyl tert-Butyl Ether
 Concen: 19.925 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.9	16.6	25.0





#25

Chloroform

Concen: 19.980 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampled :

BW-2MS

Tot Ion: 83 Resp: 142373

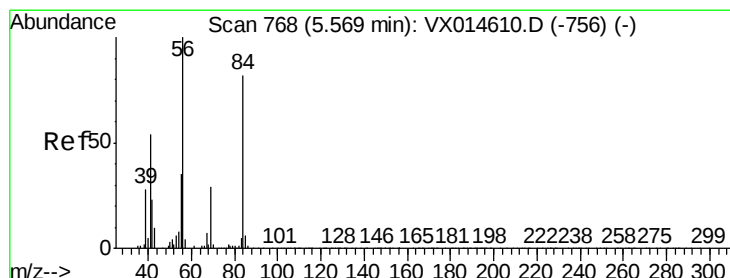
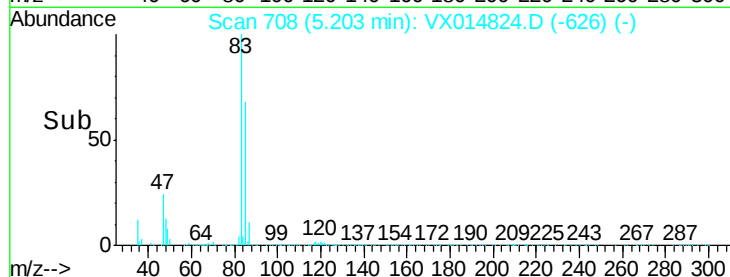
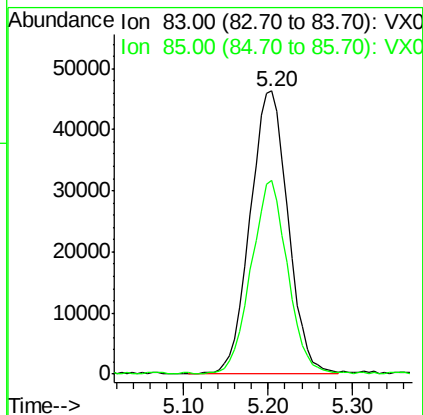
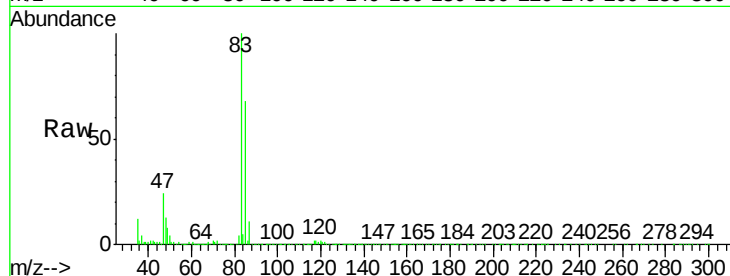
Ion Ratio Lower Upper

83 100

85 67.9 52.7 79.1

Manual Integrations
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#26

Cyclohexane

Concen: 18.593 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

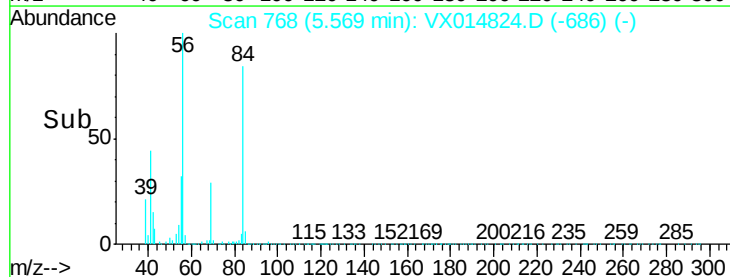
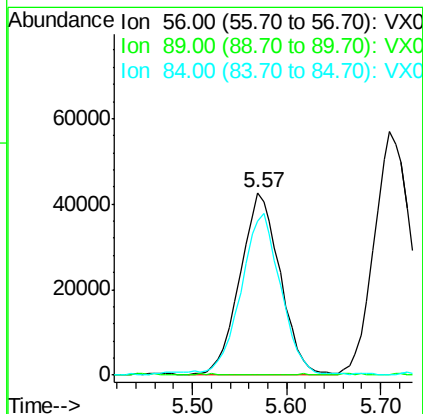
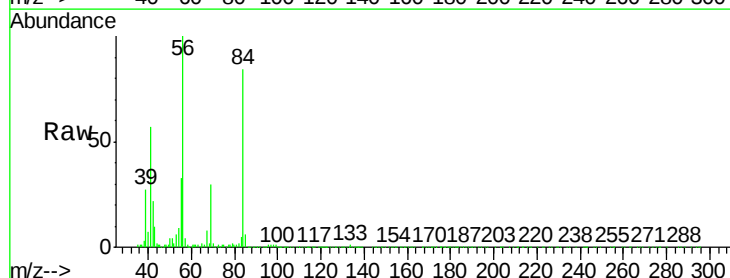
Tgt Ion: 56 Resp: 126157

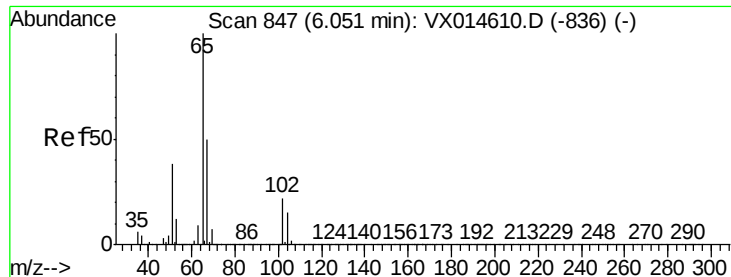
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 87.8 70.8 106.2





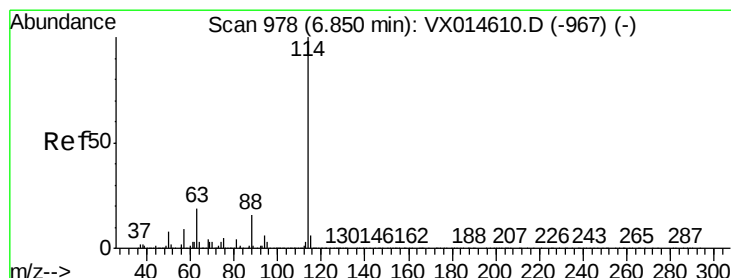
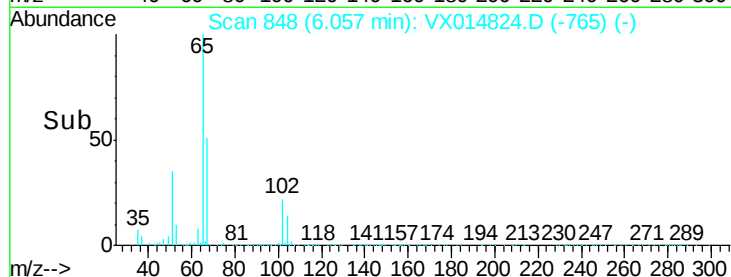
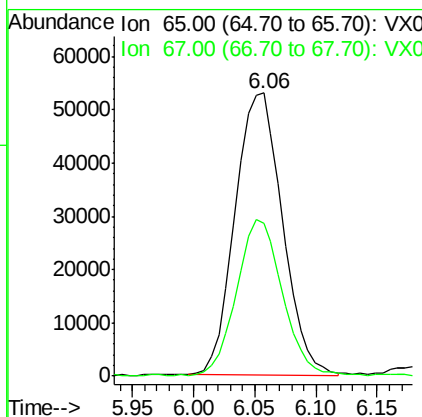
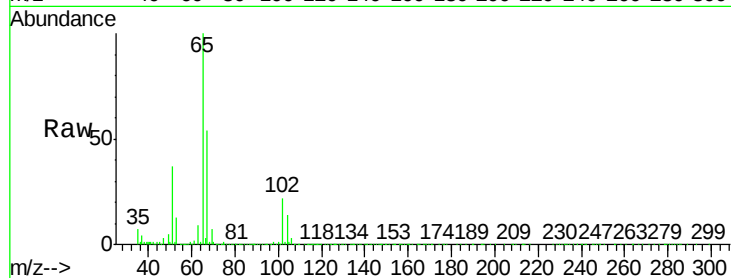
#27
 1,2-Dichloroethane-d4
 Concen: 30.345 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	43.1	64.7

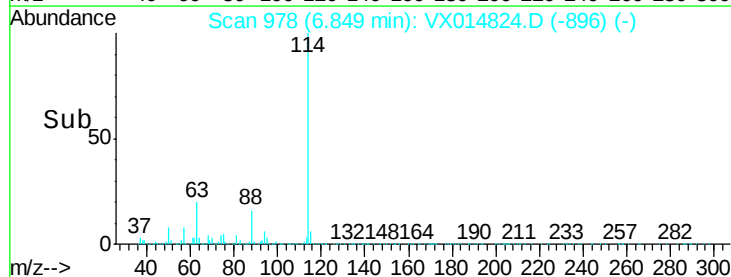
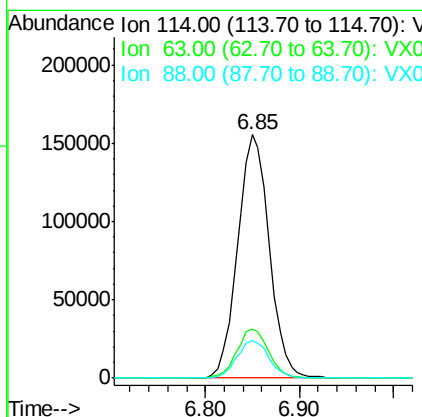
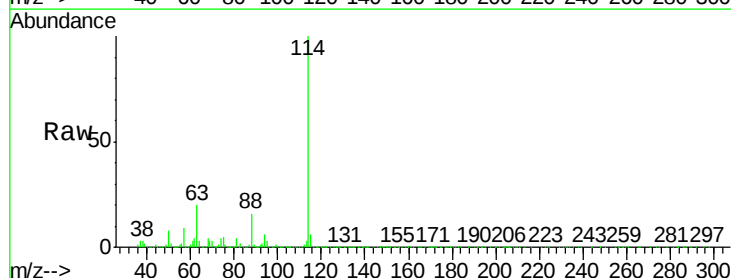
Manual Integrations
 APPROVED

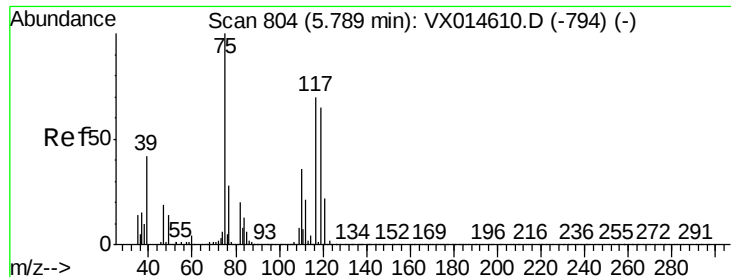
MMDadoda
 2/6/2020 1:32:45 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	15.5	12.5	18.7





#29

1,1-Dichloropropene

Concen: 19.428 ug/l

RT: 5.79 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

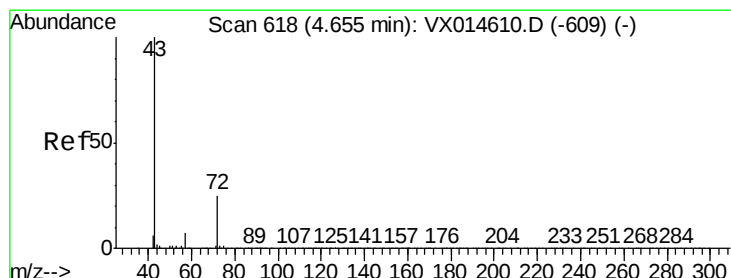
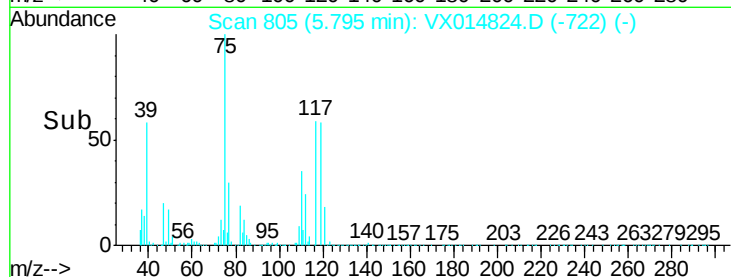
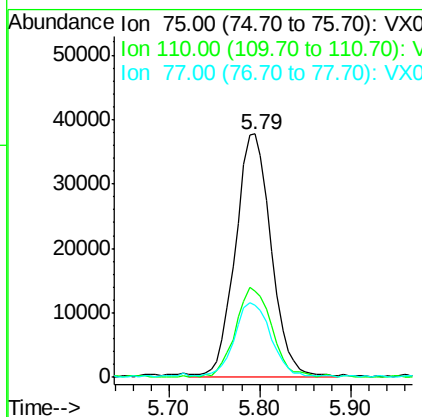
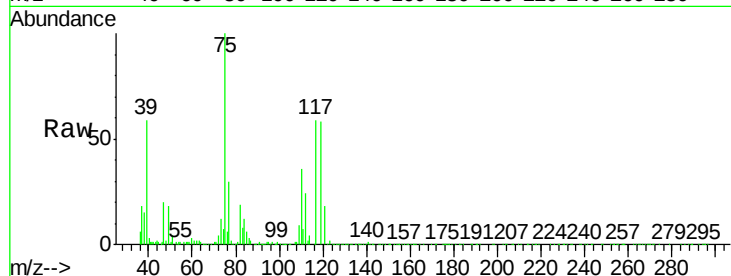
ClientSampleId :

BW-2MS

Tot Ion:	75	Resp:	103685
Ion Ratio	Lower	Upper	
75	100		
110	37.3	0.0	73.8
77	30.3	0.0	62.4

Manual Integrations
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2/6/2020 1:32:45 PM



#30

2-Butanone

Concen: 87.268 ug/l

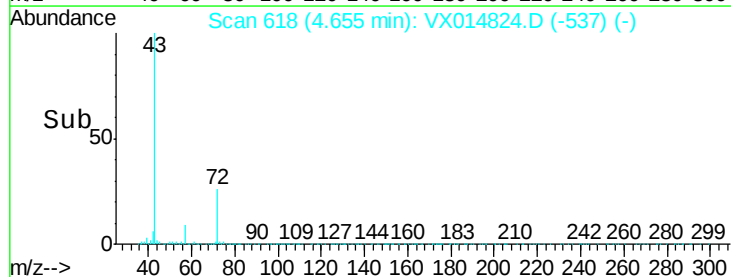
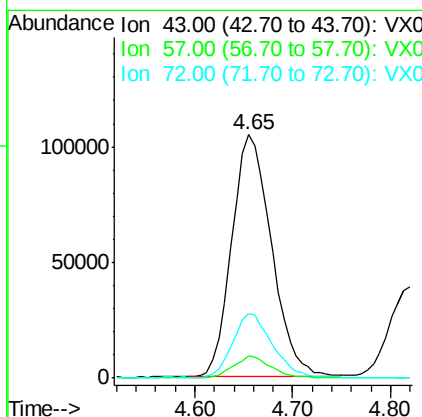
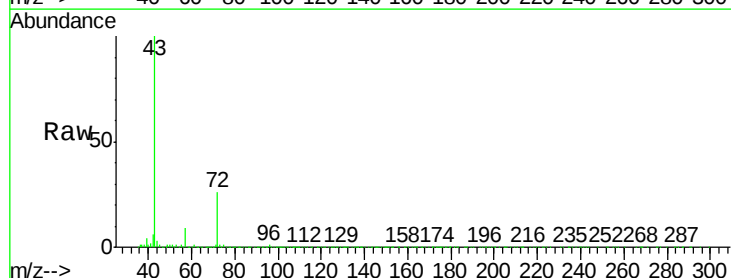
RT: 4.65 min Scan# 618

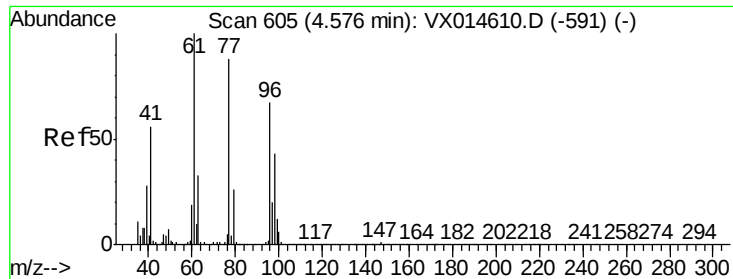
Delta R.T. -0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Tgt Ion:	43	Resp:	295023
Ion Ratio	Lower	Upper	
43	100		
57	8.8	6.2	9.2
72	25.5	20.3	30.5





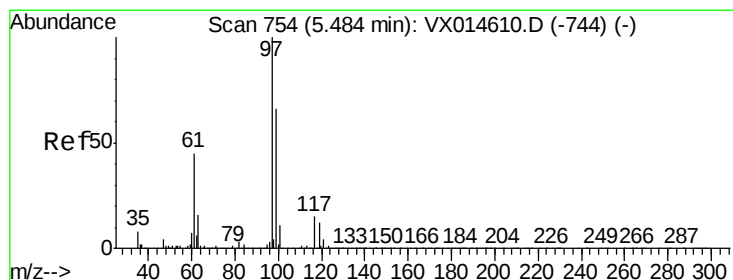
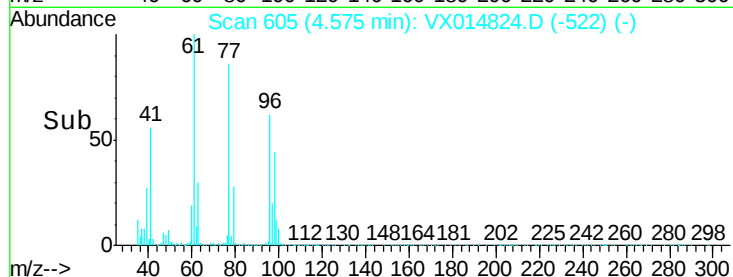
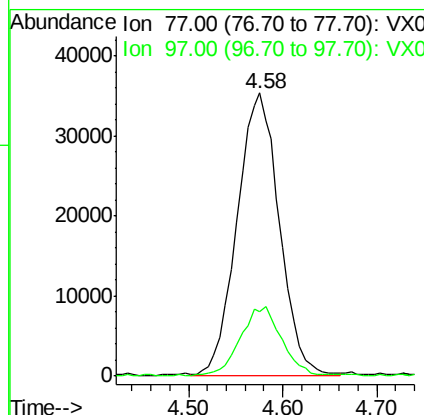
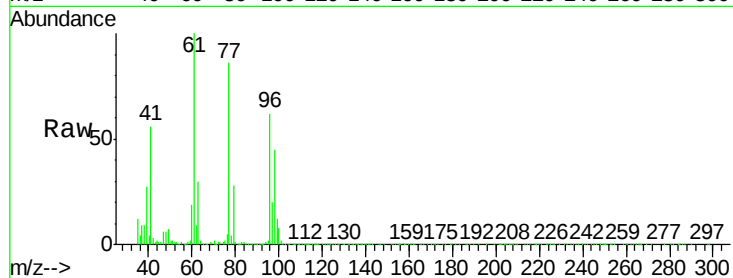
#31
 2,2-Dichloropropane
 Concen: 19.252 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MS

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.6	19.7	29.5

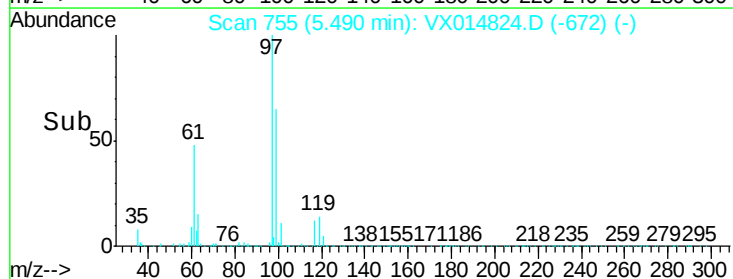
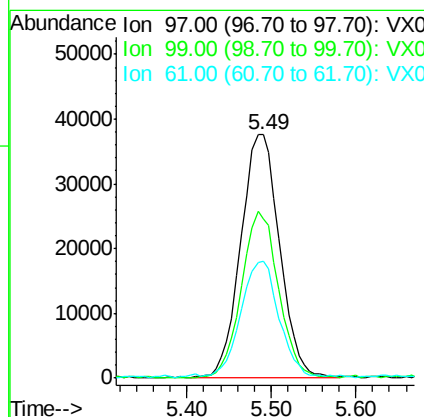
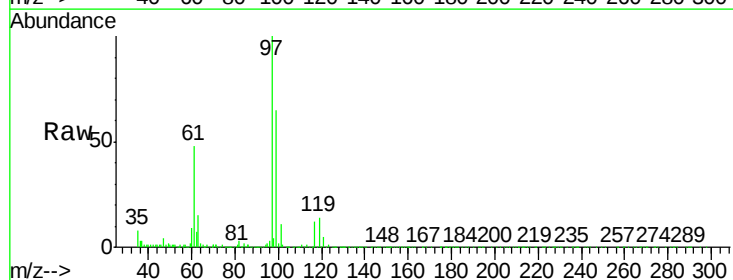
Manual Integrations
 APPROVED

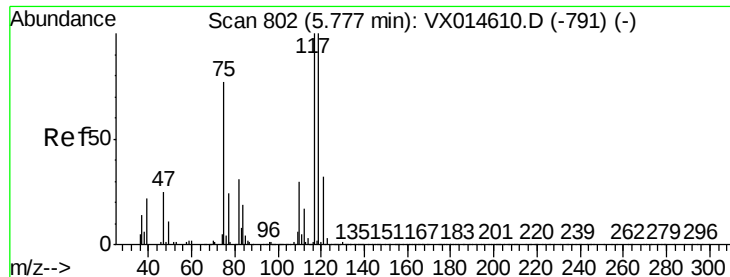
MMDadoda
 2/6/2020 1:32:45 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.987 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	45.6	36.8	55.2





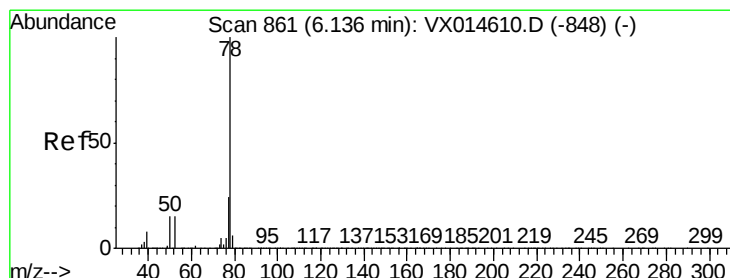
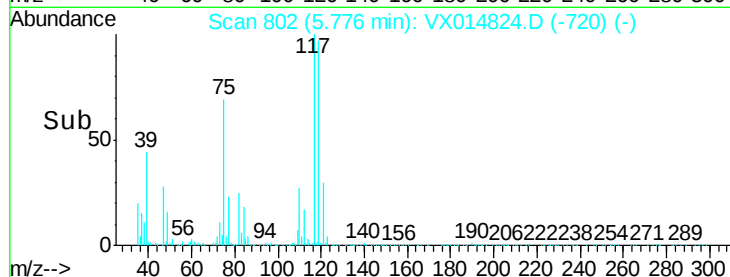
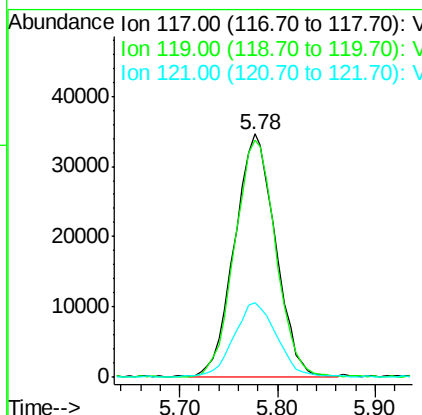
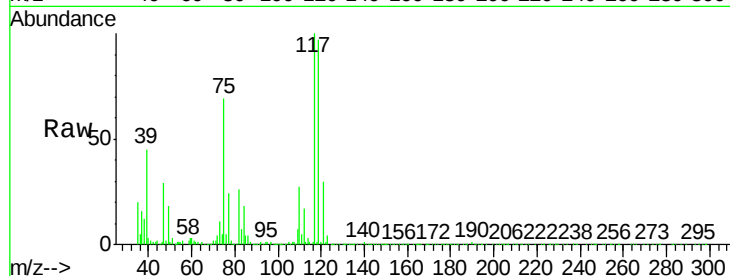
#33
Carbon Tetrachloride
Concen: 19.721 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.2	115.8
121	30.1	24.8	37.2

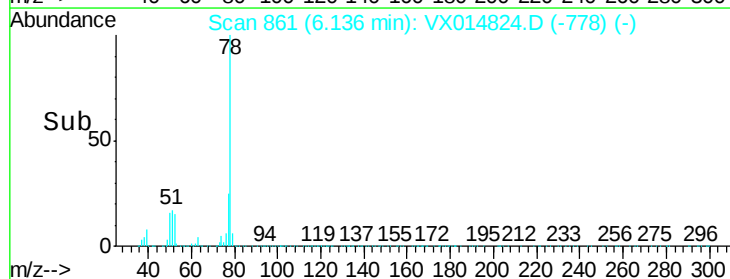
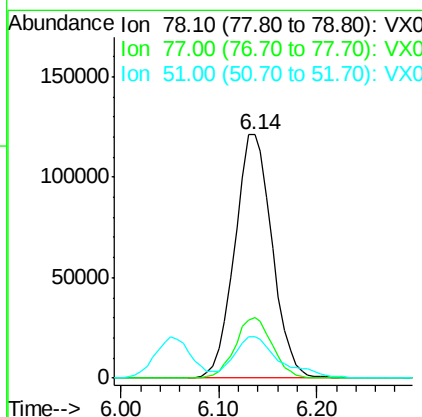
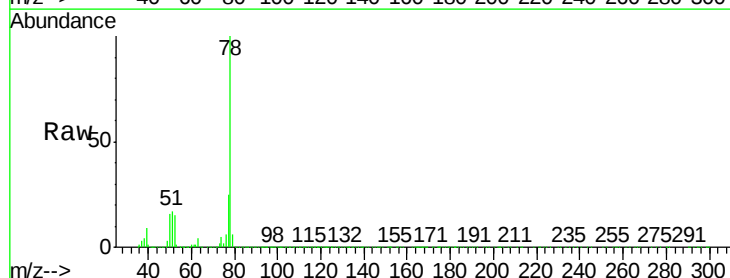
Manual Integrations
APPROVED

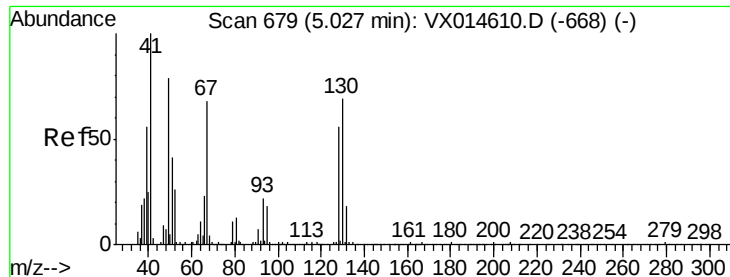
MMDadoda
2/6/2020 1:32:45 PM



#34
Benzene
Concen: 19.433 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.2	27.2
51	16.5	12.4	18.6





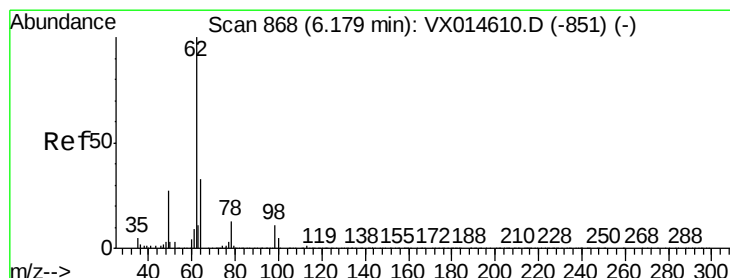
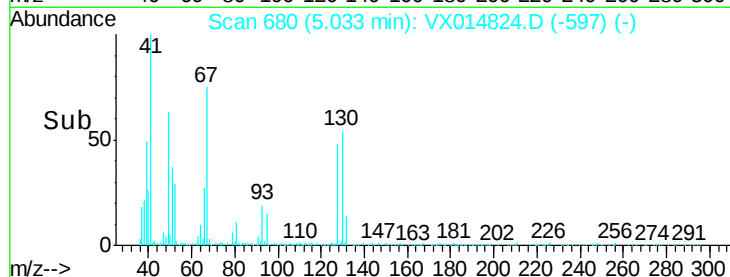
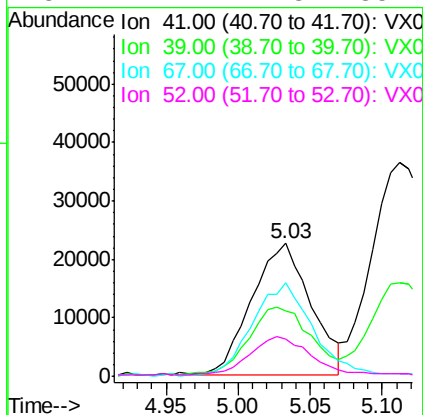
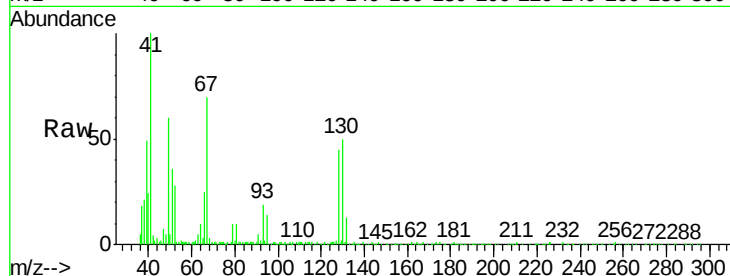
#35
Methacrylonitrile
Concen: 18.915 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampled :
BW-2MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.5	26.7	80.1	
67	69.9	31.5	94.5	
52	27.1	12.8	38.4	

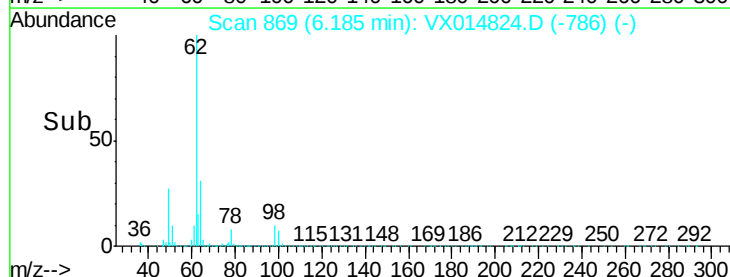
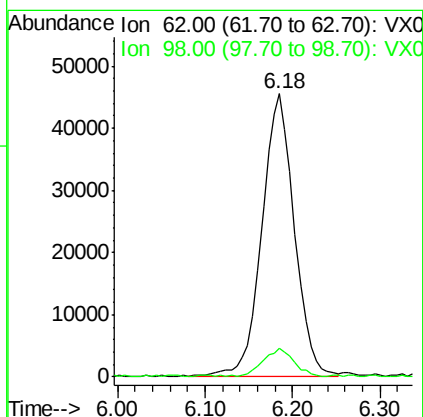
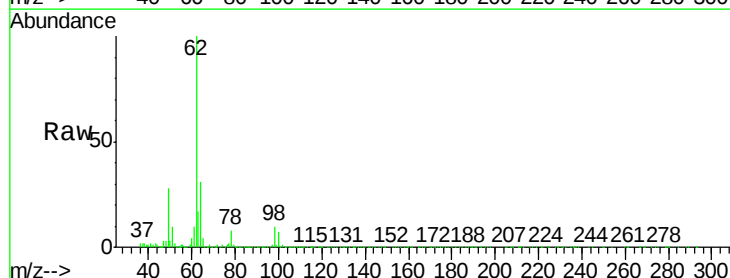
Manual Integrations
APPROVED

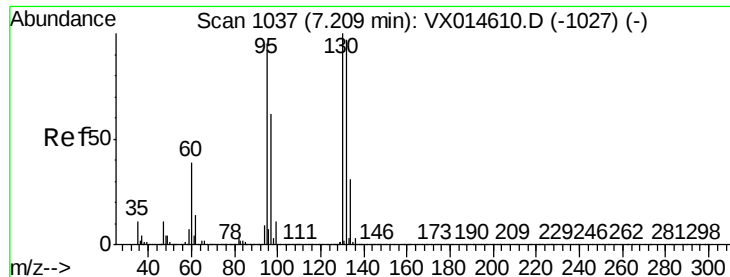
MMDadoda
2/6/2020 1:32:45 PM



#36
1,2-Dichloroethane
Concen: 20.655 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	8.4	12.6	





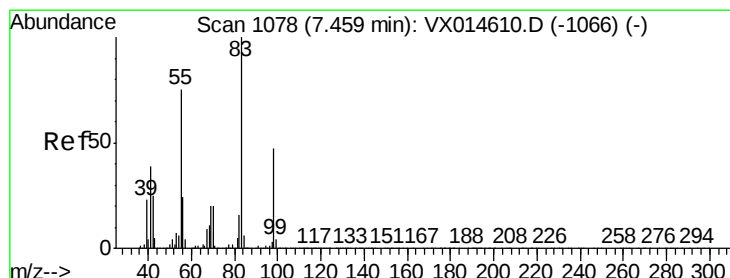
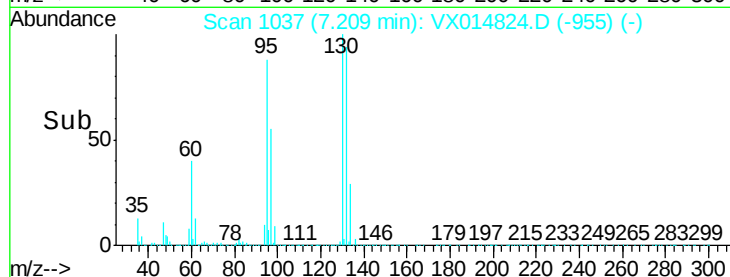
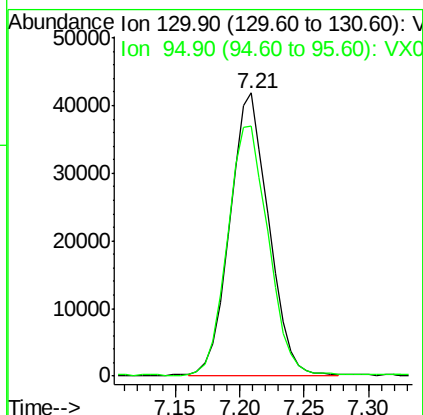
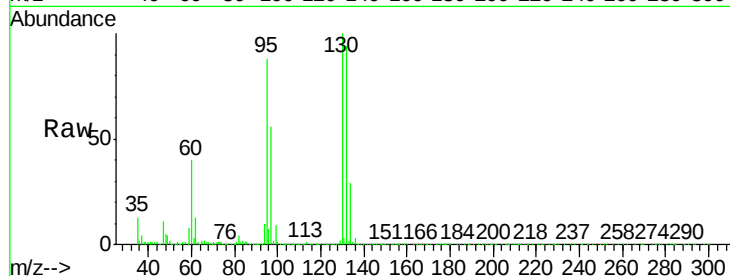
#37
Trichloroethene
Concen: 19.345 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion:130 Resp: 87349
Ion Ratio Lower Upper
130 100
95 88.2 71.7 107.5

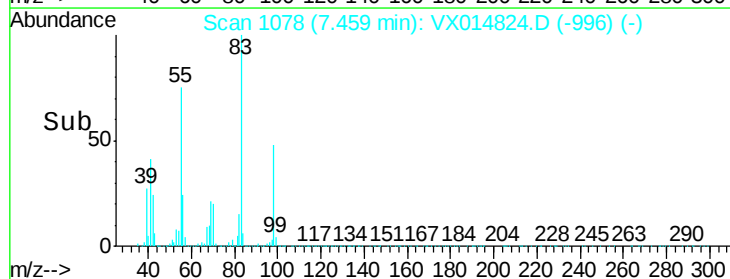
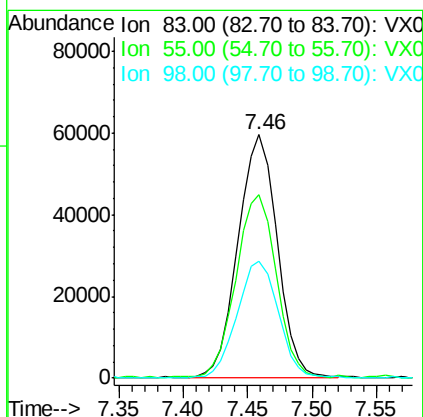
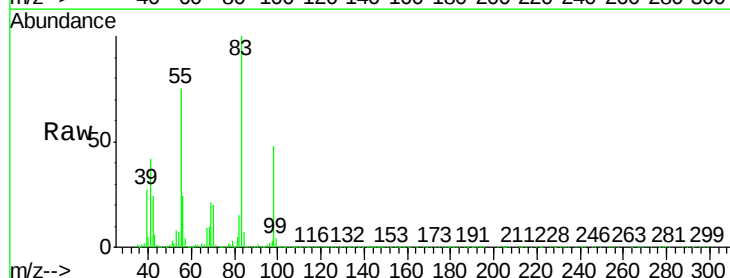
Manual Integrations
APPROVED

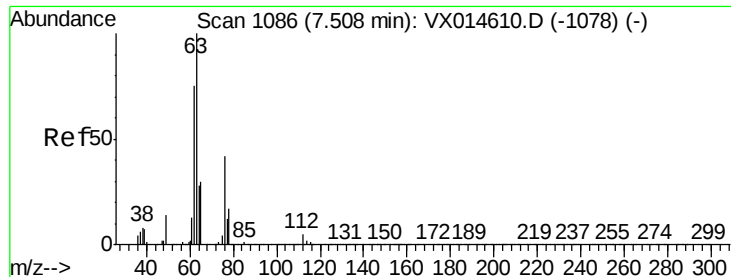
MMDadoda
2/6/2020 1:32:45 PM



#38
Methylcyclohexane
Concen: 18.876 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion: 83 Resp: 125427
Ion Ratio Lower Upper
83 100
55 77.2 39.4 118.1
98 50.4 25.1 75.3





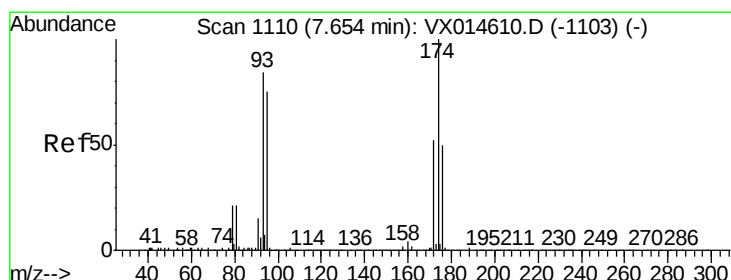
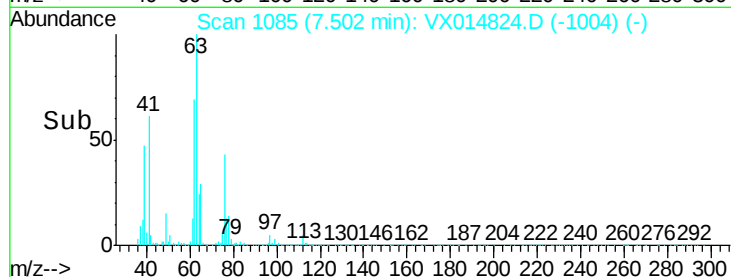
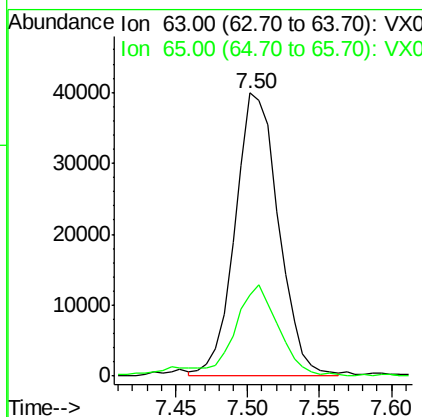
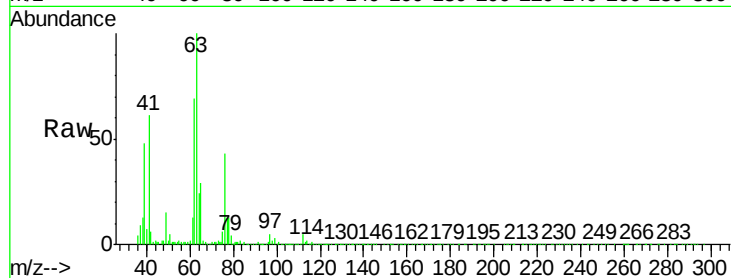
#39
 1,2-Dichloropropane
 Concen: 19.306 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.3	22.1	33.1

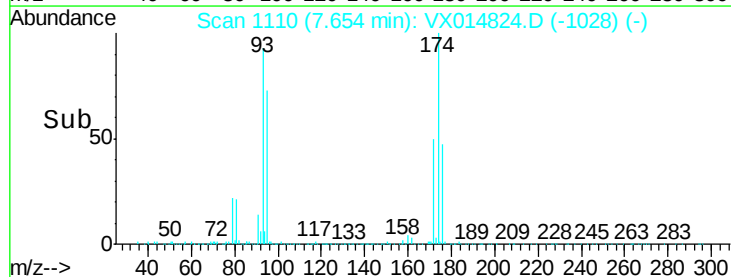
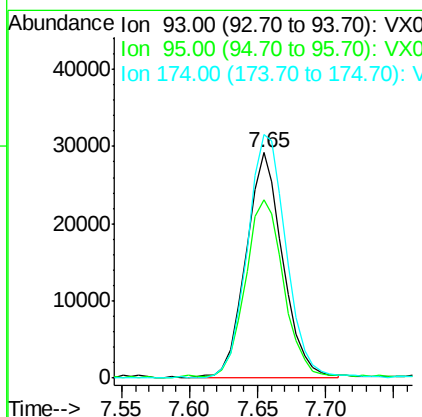
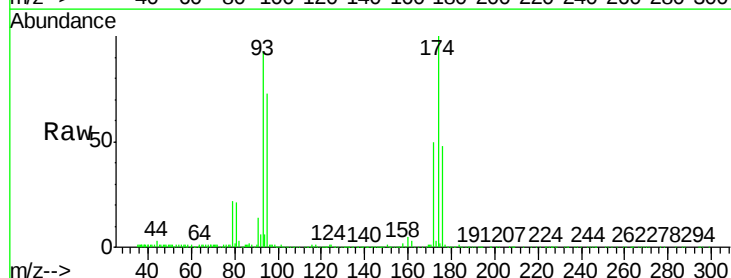
Manual Integrations
 APPROVED

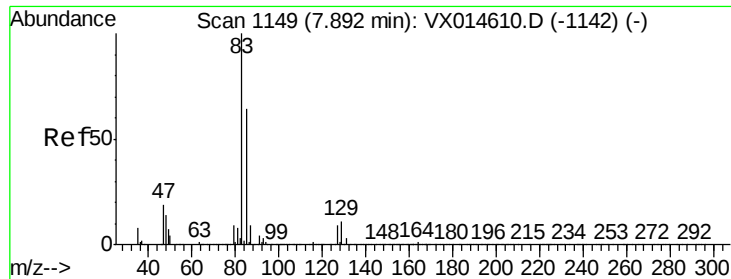
MMDadoda
 2/6/2020 1:32:45 PM



#40
 Dibromomethane
 Concen: 19.894 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	0.0	164.4
174	115.9	0.0	228.8





#41

Bromodichloromethane

Concen: 19.801 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

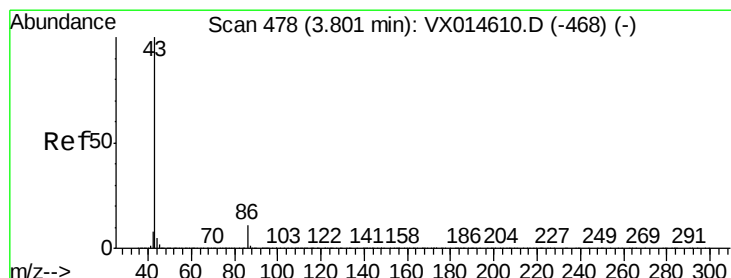
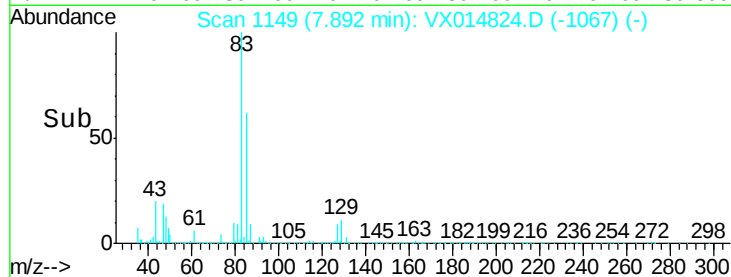
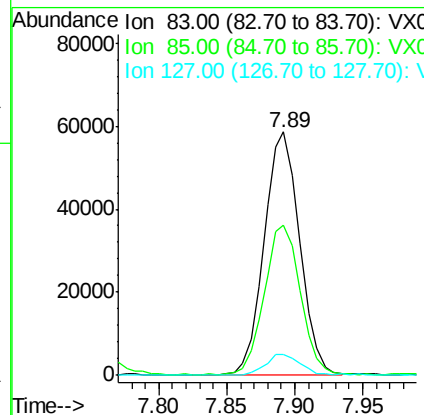
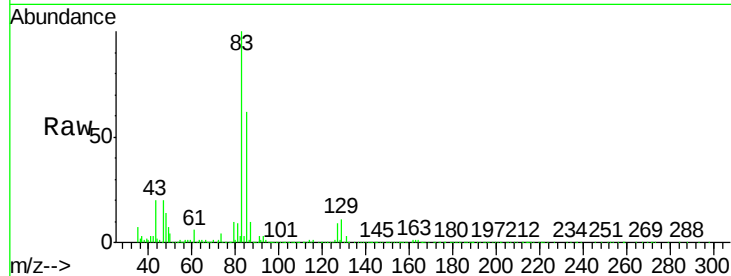
ClientSampleId :

BW-2MS

Tot Ion:	83	Resp:	106865
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.6	77.4
127	8.5	6.0	9.0

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:45 PM



#42

Vinyl Acetate

Concen: 94.871 ug/l

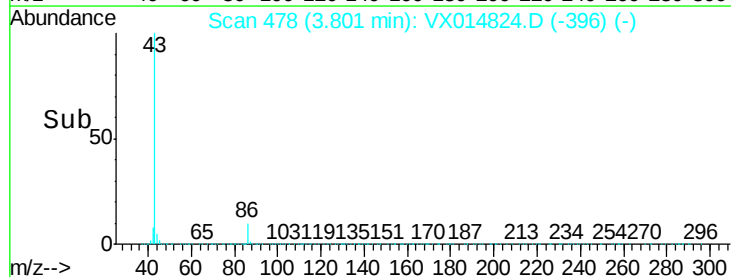
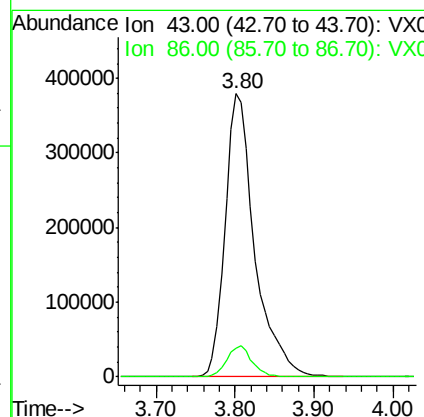
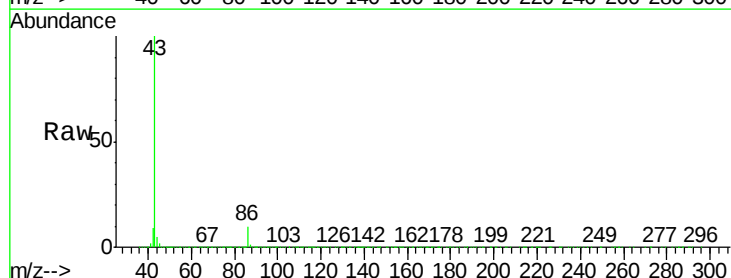
RT: 3.80 min Scan# 478

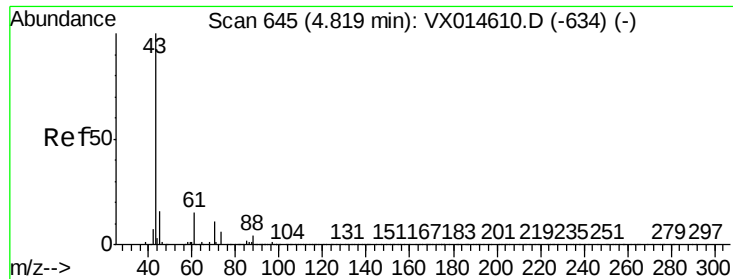
Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Tgt Ion:	43	Resp:	988544
Ion Ratio	Lower	Upper	
43	100		
86	9.5	7.7	11.5





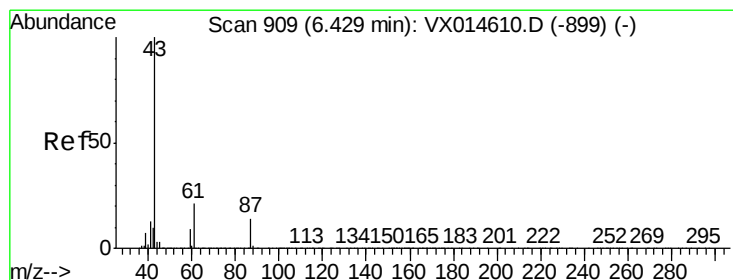
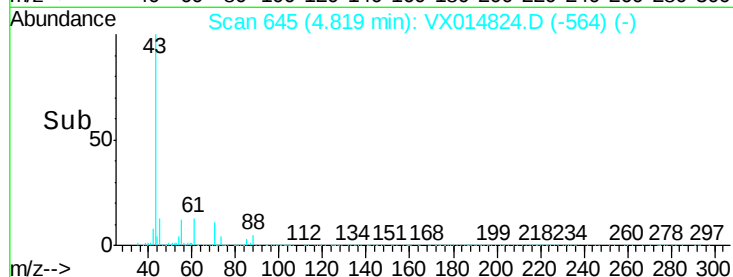
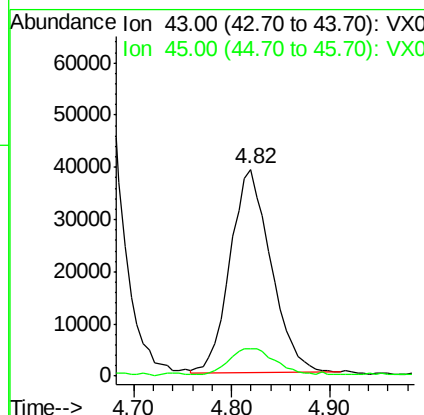
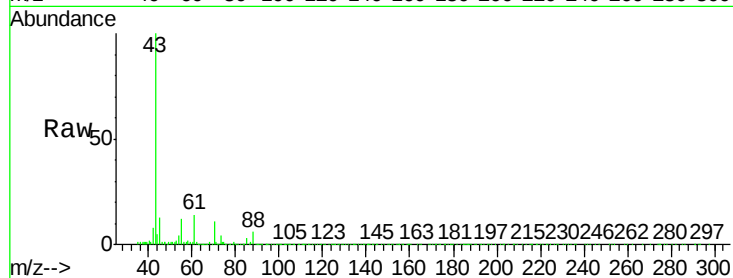
#43
Ethyl Acetate
Concen: 18.251 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion: 43 Resp: 111695
Ion Ratio Lower Upper
43 100
45 14.6 11.8 17.8

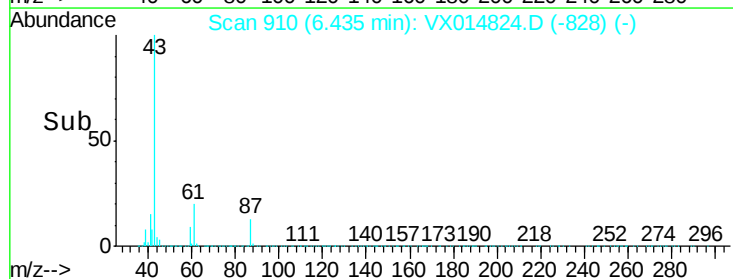
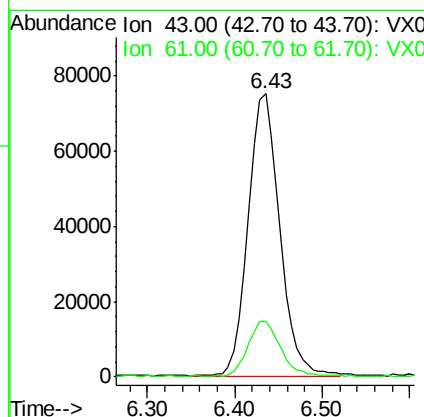
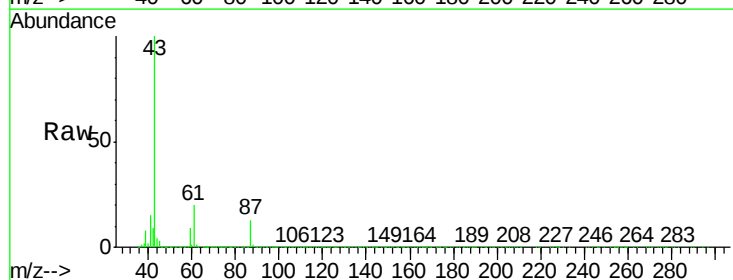
Manual Integrations
APPROVED

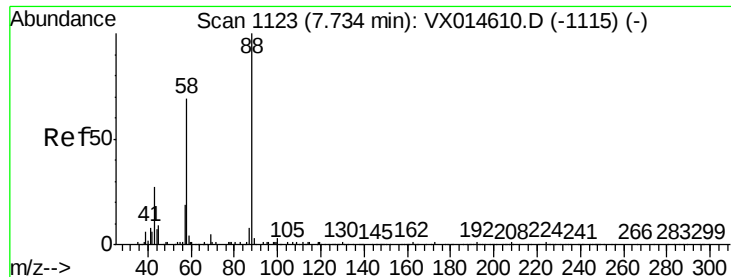
MMDadoda
2/6/2020 1:32:45 PM



#44
Isopropyl Acetate
Concen: 19.058 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion: 43 Resp: 188148
Ion Ratio Lower Upper
43 100
61 19.5 15.9 23.9





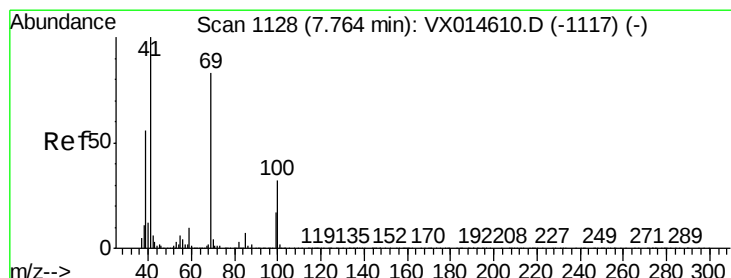
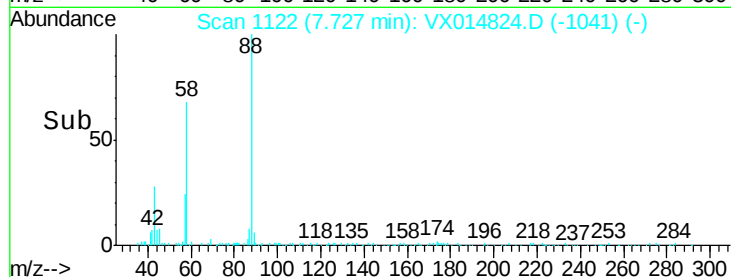
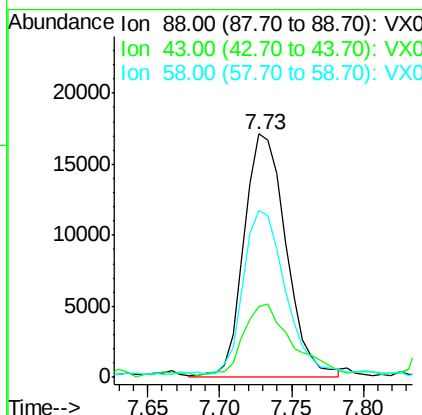
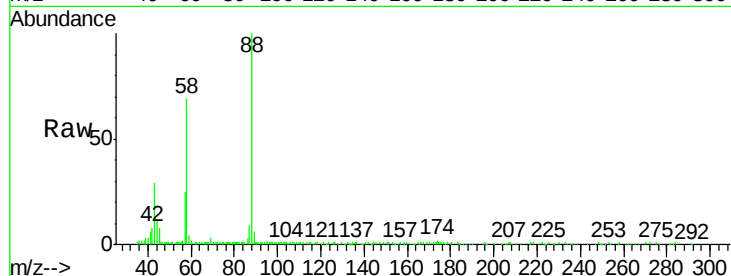
#45
1,4-Dioxane
Concen: 349.116 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion:	88	Resp:	34477
Ion	Ratio	Lower	Upper
88	100		
43	31.2	25.4	38.2
58	68.1	56.5	84.7

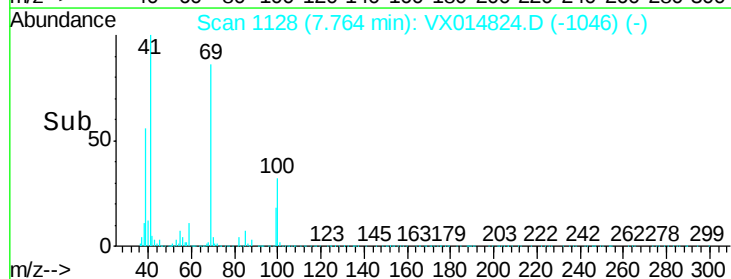
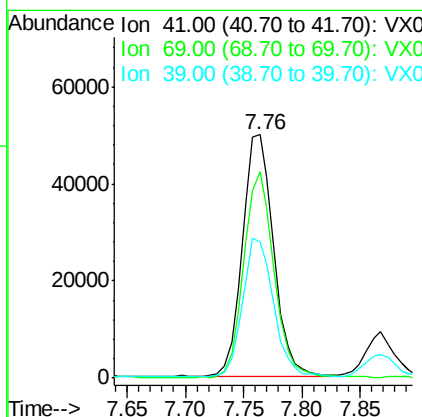
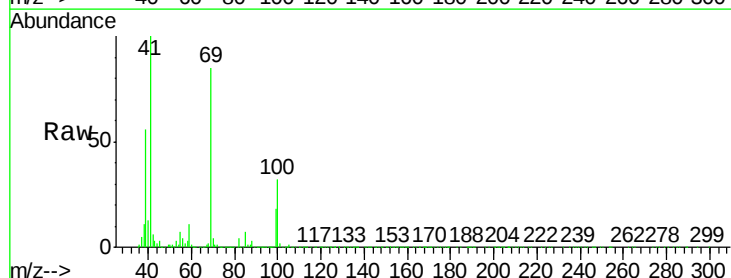
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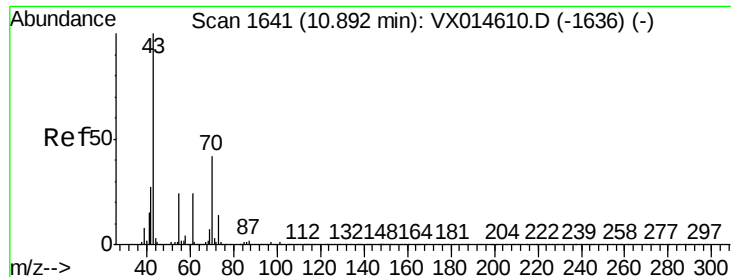
MMDadoda
2/6/2020 1:32:45 PM



#46
Methyl methacrylate
Concen: 19.316 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion:	41	Resp:	93778
Ion	Ratio	Lower	Upper
41	100		
69	85.2	40.6	122.0
39	55.3	27.8	83.3





#47

n-amvl Acetate

Concen: 18.855 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion: 43 Resp: 155972

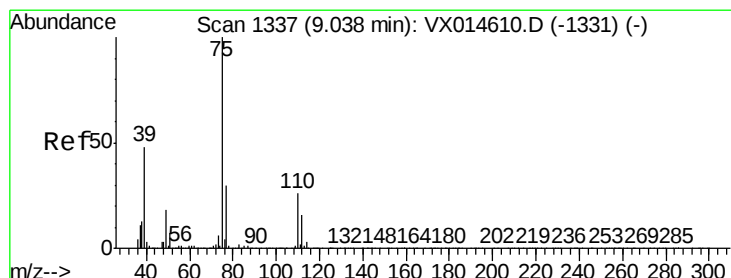
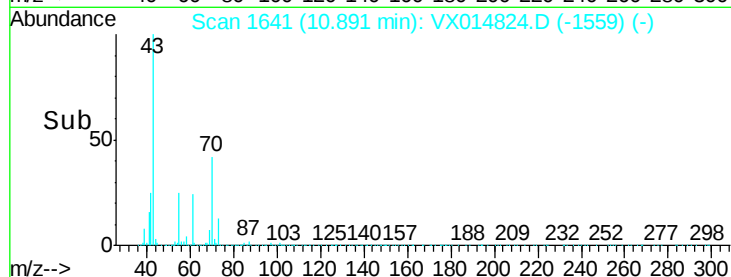
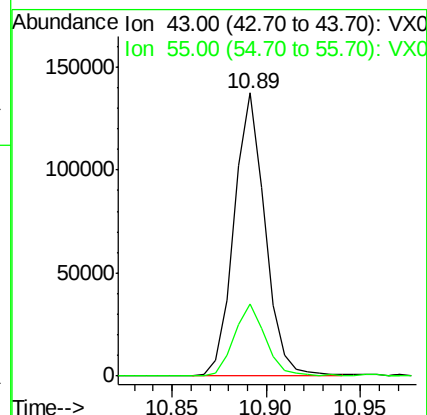
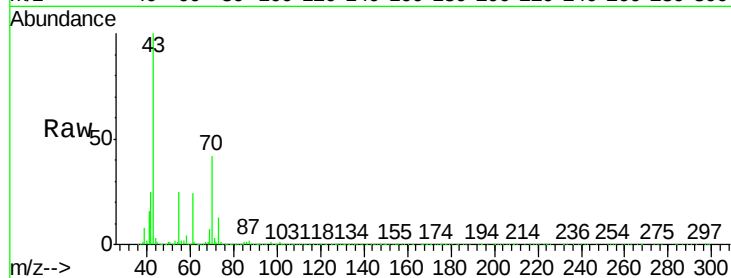
Ion Ratio Lower Upper

43 100

55 25.5 19.4 29.2

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:45 PM



#48

t-1,3-Dichloropropene

Concen: 19.460 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014824.D

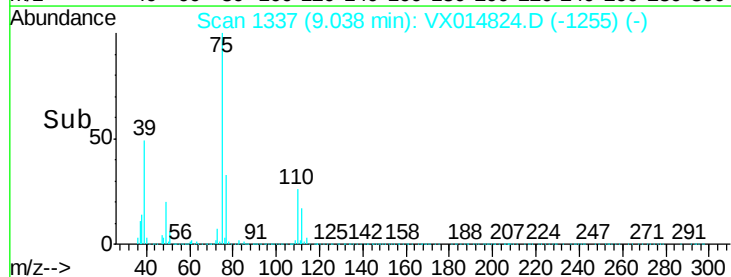
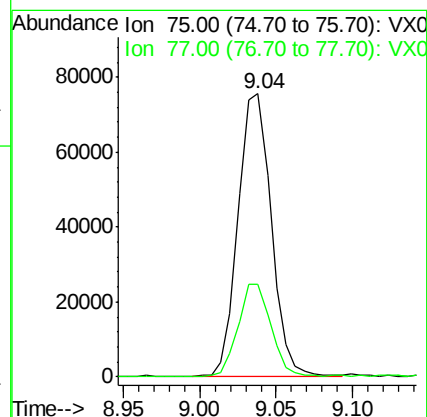
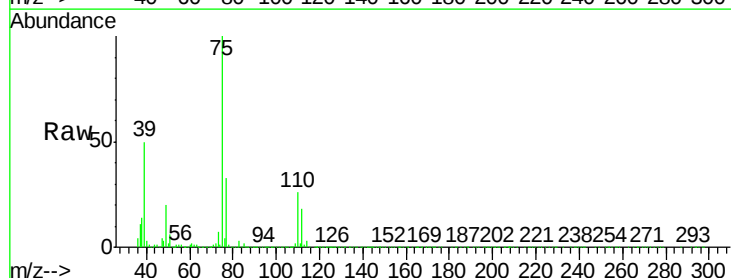
Acq: 05 Feb 2020 15:54

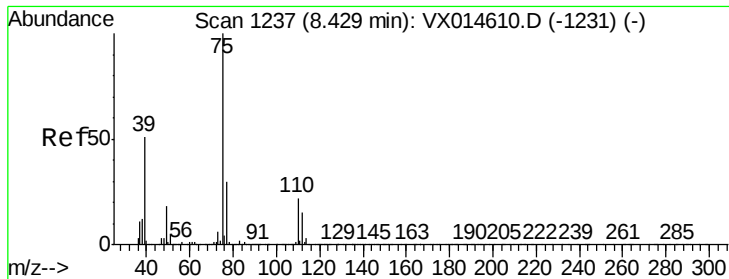
Tgt Ion: 75 Resp: 114661

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0





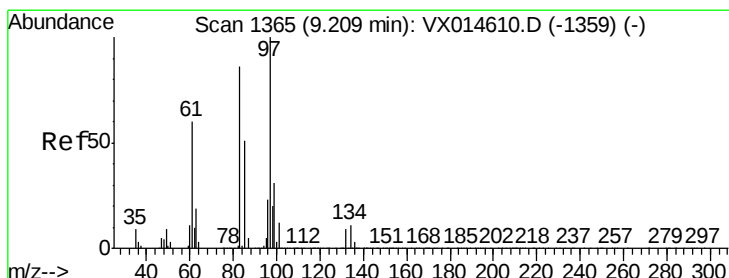
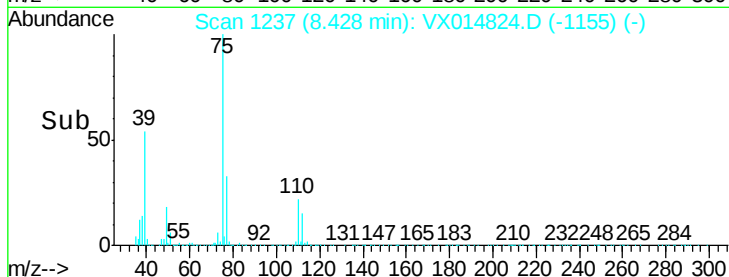
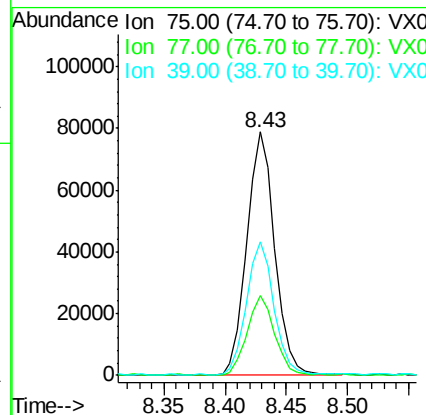
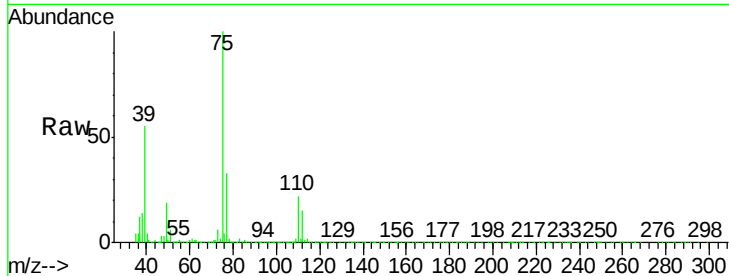
#49
 cis-1,3-Dichloropropene
 Concen: 18.806 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Instrument :
 MSVOA_X
 ClientSampled :
 BW-2MS

Tot Ion:	75	Resp:	124858
Ion Ratio	Lower	Upper	
75	100		
77	32.7	24.8	37.2
39	54.5	41.1	61.7

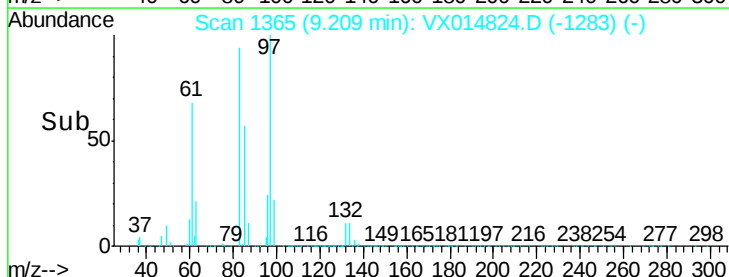
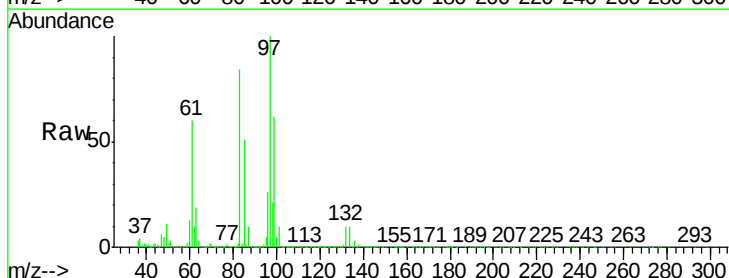
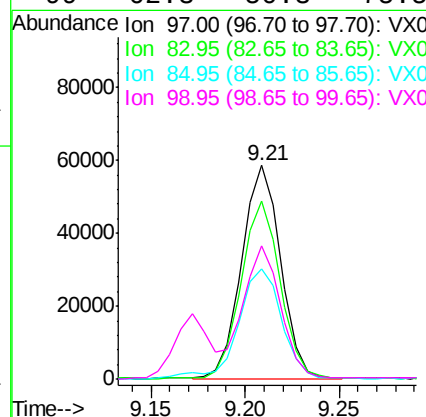
Manual Integrations
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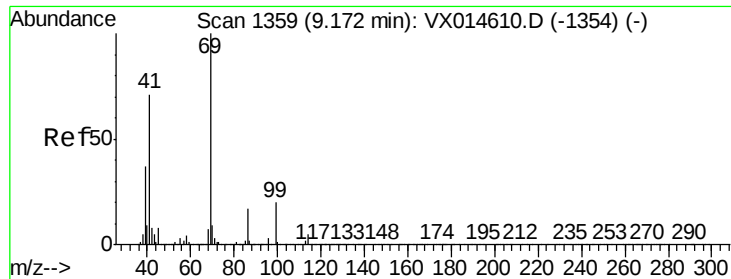
MMDadoda
 2/6/2020 1:32:45 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.044 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Tgt Ion:	97	Resp:	84058
Ion Ratio	Lower	Upper	
97	100		
83	83.6	68.1	102.1
85	51.3	42.7	64.1
99	62.3	50.3	75.5





#51

Ethyl methacrylate

Concen: 18.874 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

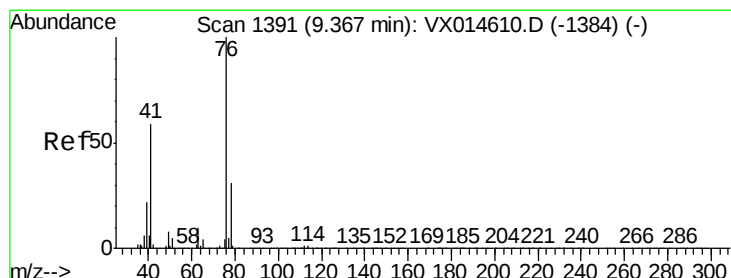
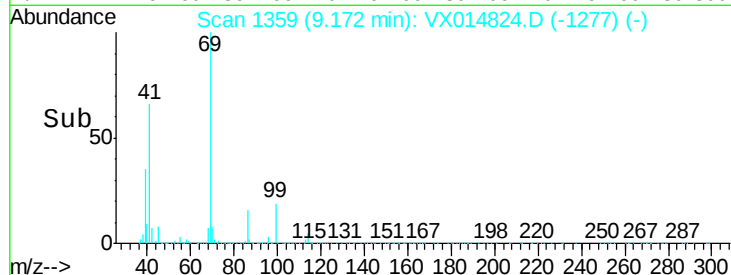
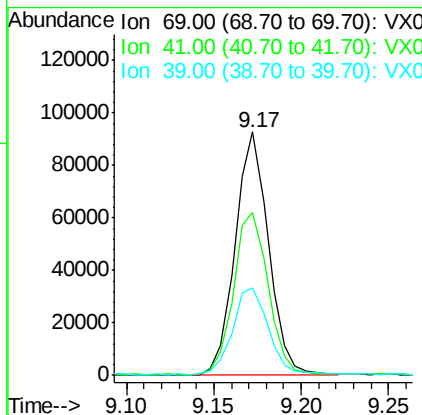
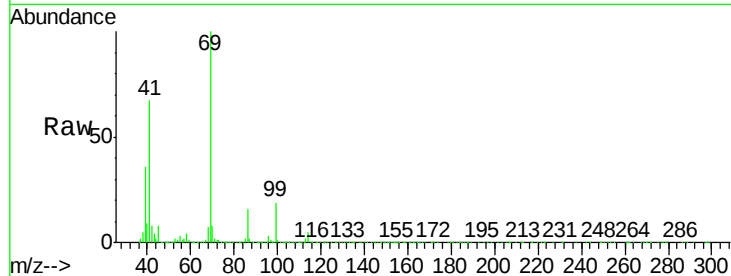
ClientSampleId :

BW-2MS

Tot Ion:	69	Resp:	123238
Ion Ratio	Lower	Upper	
69	100		
41	67.1	35.4	106.1
39	35.9	17.8	53.3

Manual Integrations
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MMDadoda
2/6/2020 1:32:45 PM



#52

1,3-Dichloropropane

Concen: 19.950 ug/l

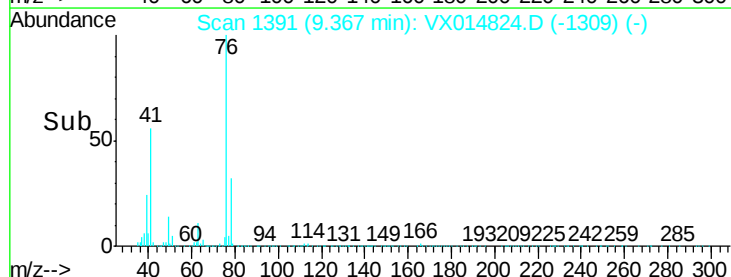
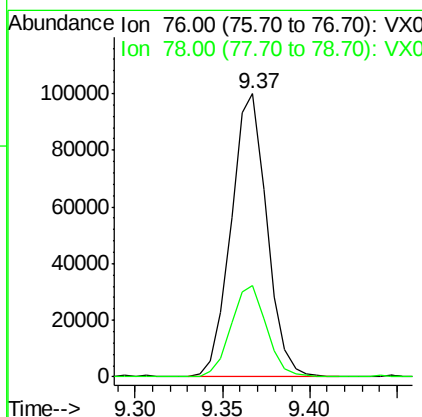
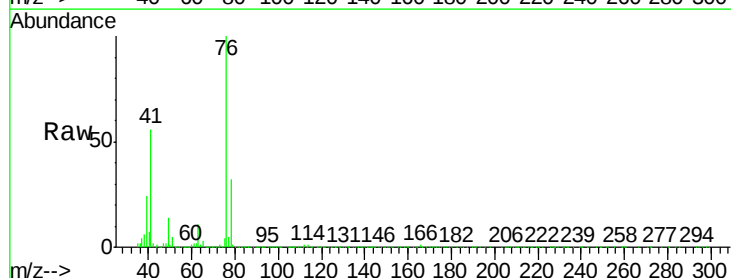
RT: 9.37 min Scan# 1391

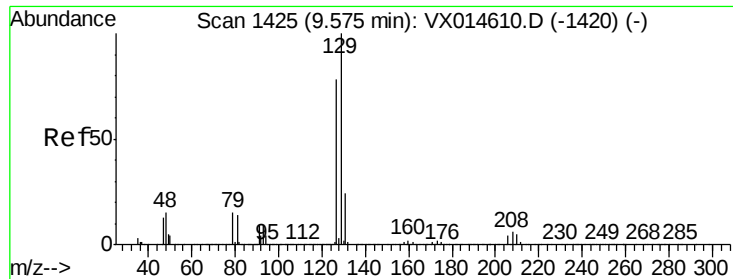
Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Tgt Ion:	76	Resp:	141750
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	63.4





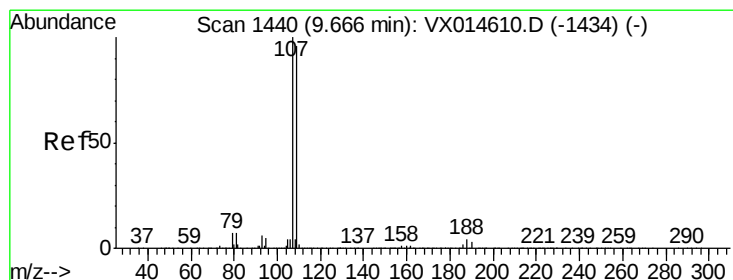
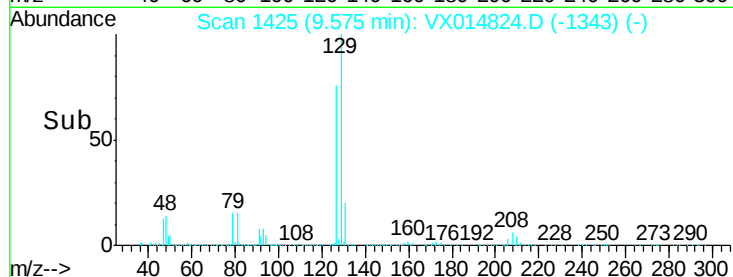
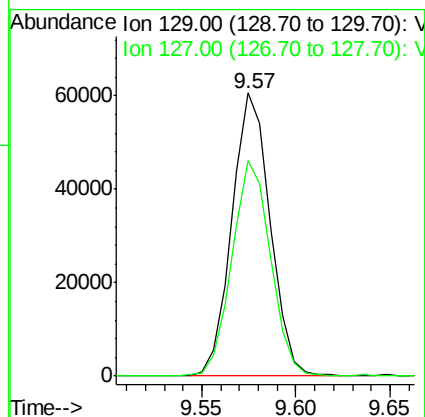
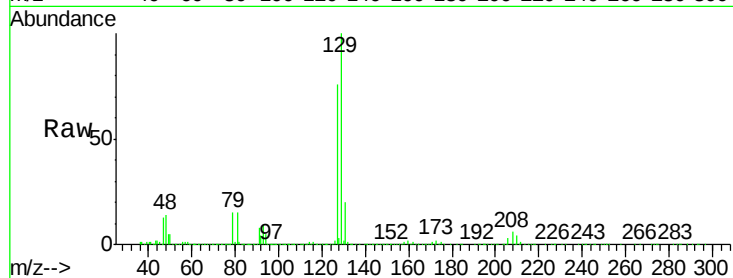
#53
Dibromochloromethane
Concen: 19.760 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.1	117.5

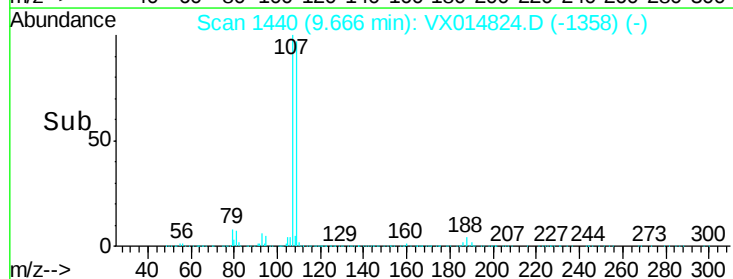
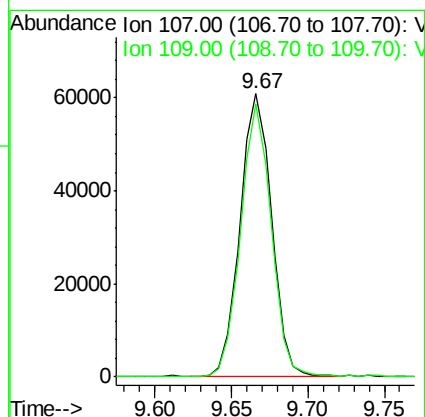
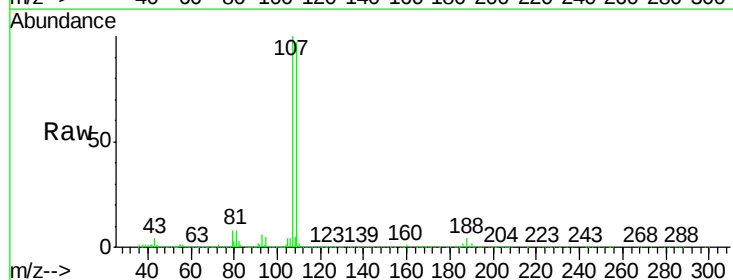
Manual Integrations
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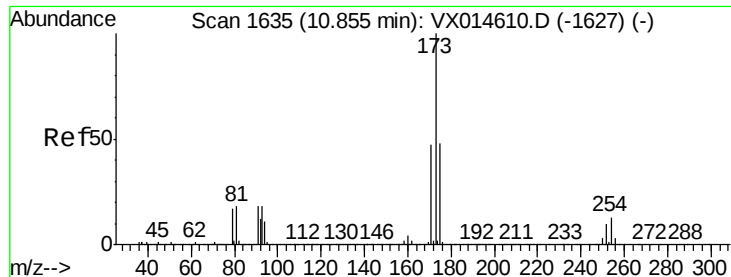
MMDadoda
2/6/2020 1:32:45 PM



#54
1,2-Dibromoethane
Concen: 19.955 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	77.2	115.8





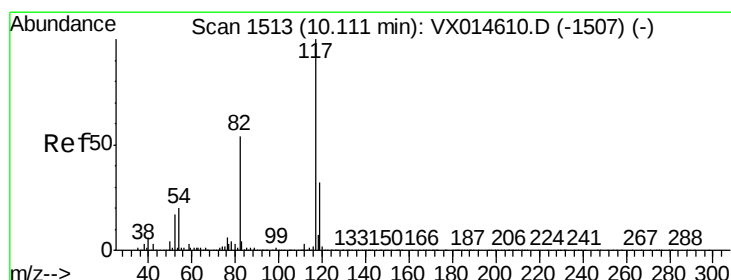
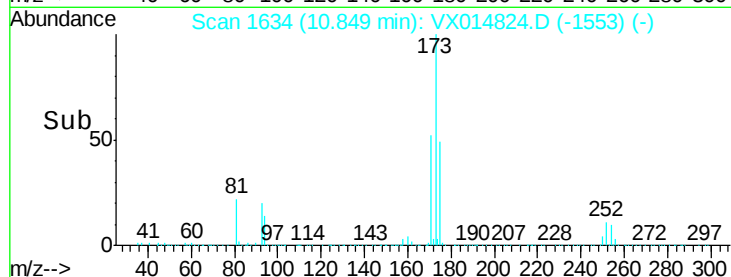
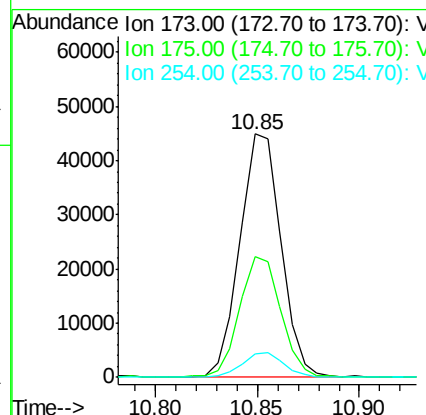
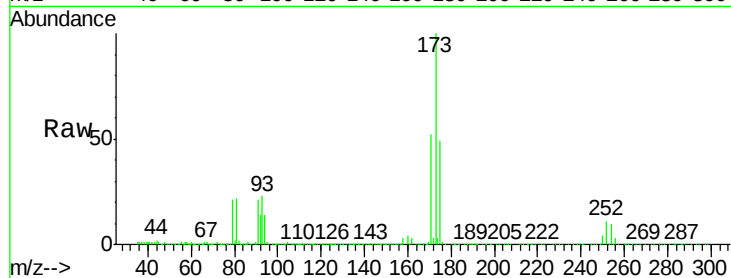
#56
Bromoform
Concen: 19.093 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampled :
BW-2MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	39.5	59.3
254	10.3	8.2	12.4

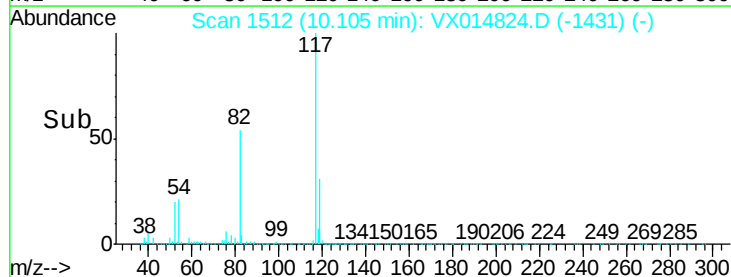
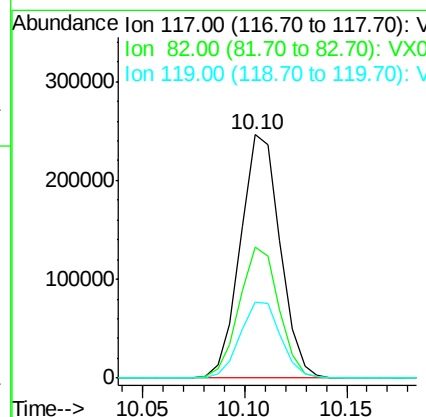
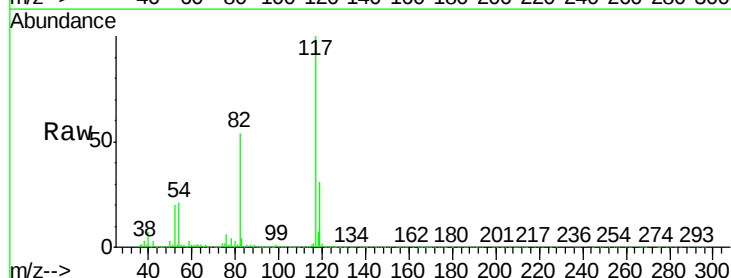
Manual Integrations
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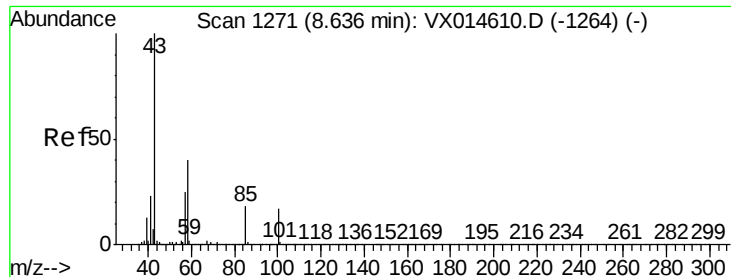
MMDadoda
2/6/2020 1:32:45 PM



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.8	65.6
119	31.9	25.8	38.6





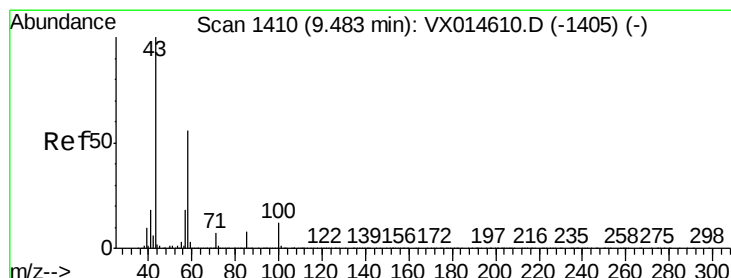
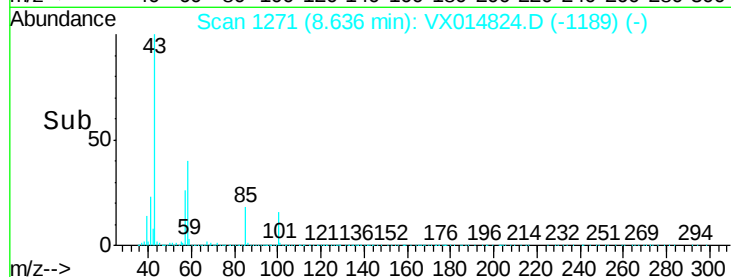
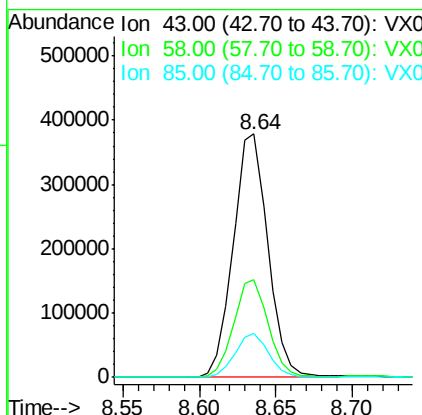
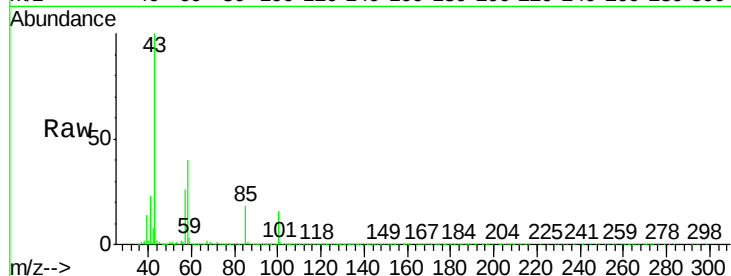
#58
4-Methyl-2-Pentanone
Concen: 95.147 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampled :
BW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	39.9	31.2	46.8	
85	17.6	14.2	21.2	

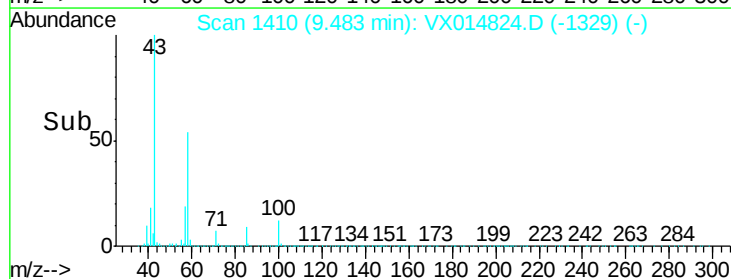
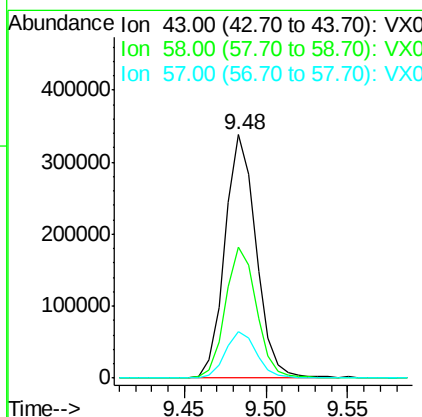
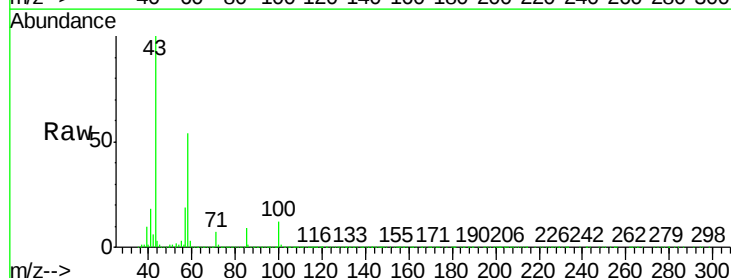
Manual Integrations
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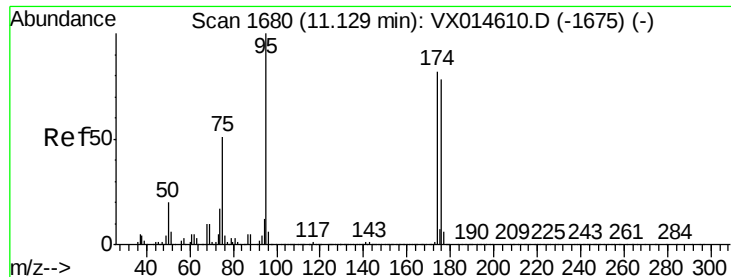
MMDadoda
2/6/2020 1:32:45 PM



#59
2-Hexanone
Concen: 92.830 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
58	54.4	43.8	65.6	
57	19.0	15.4	23.0	





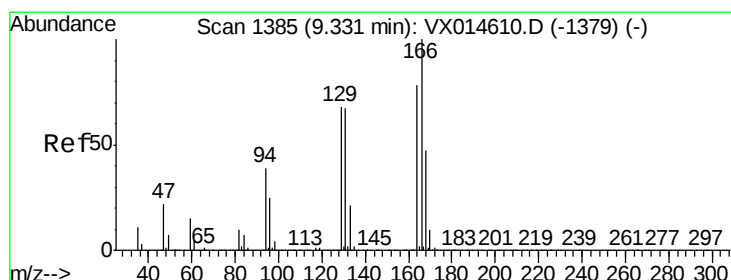
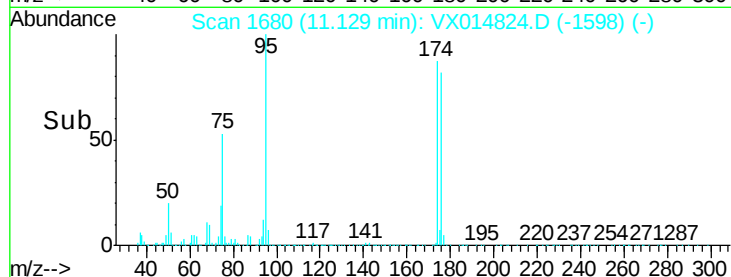
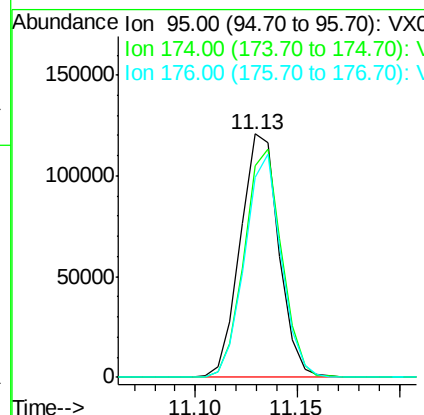
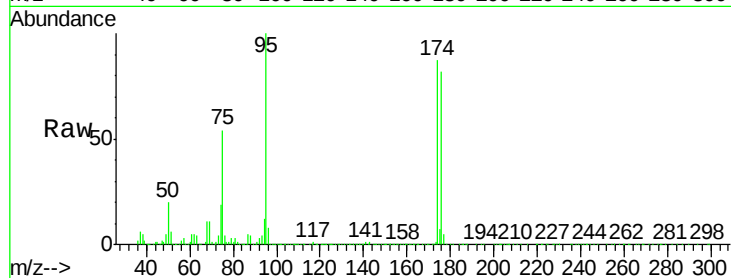
#60
4-Bromofluorobenzene
Concen: 29.631 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	157425		
174	91.8	70.2	105.2	
176	87.3	68.3	102.5	

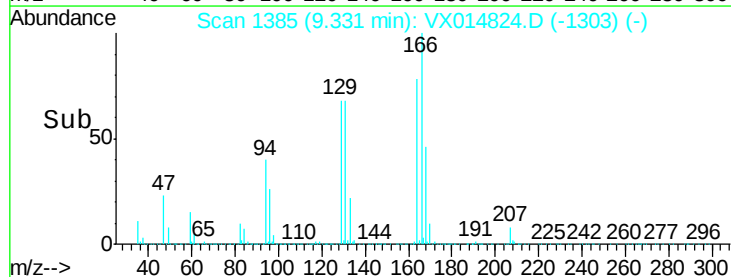
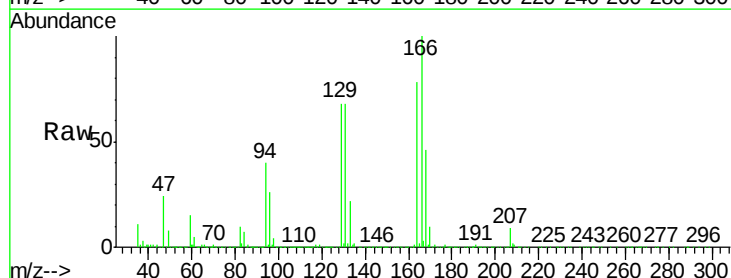
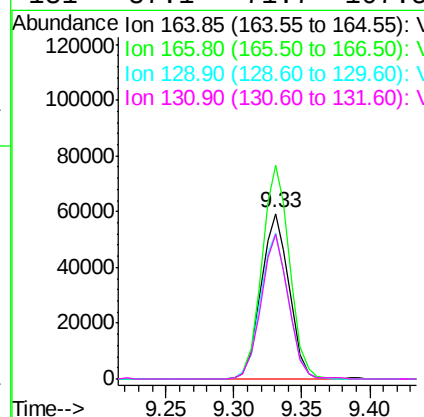
Manual Integrations
APPROVED

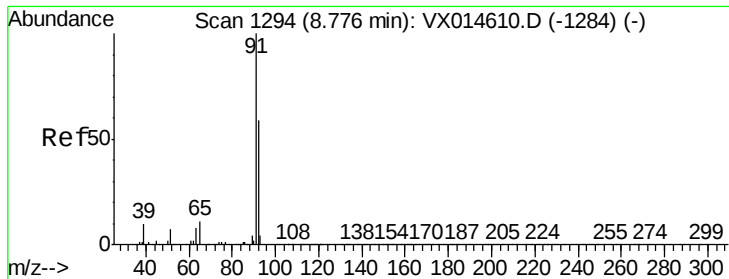
MMDadoda
2/6/2020 1:32:45 PM



#61
Tetrachloroethene
Concen: 17.447 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85615		
166	128.8	104.2	156.2	
129	88.1	71.6	107.4	
131	87.1	71.7	107.5	





#62

Toluene

Concen: 19.843 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampled :

BW-2MS

Tot Ion: 91 Resp: 349527

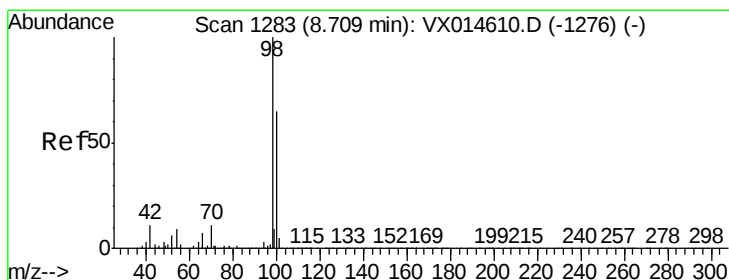
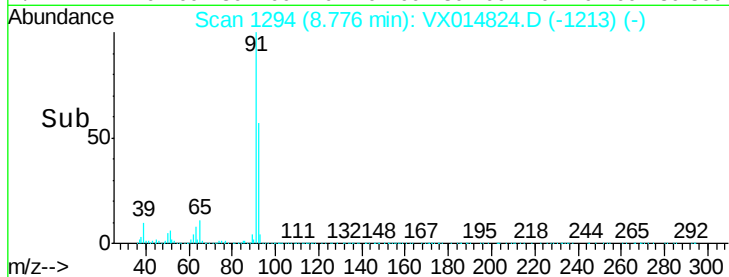
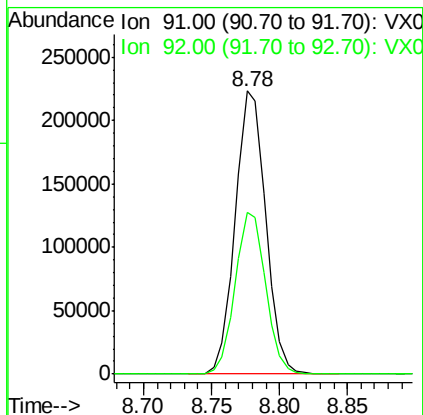
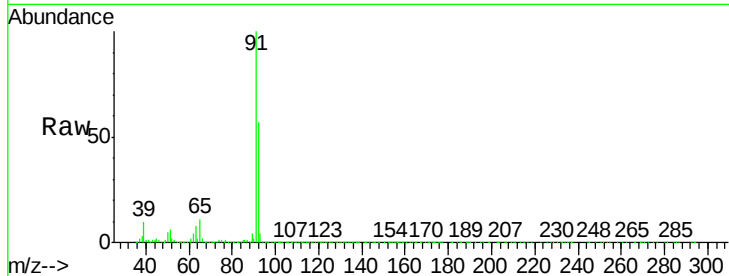
Ion Ratio Lower Upper

91 100

92 57.3 46.4 69.6

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:45 PM



#63

Toluene-d8

Concen: 30.162 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014824.D

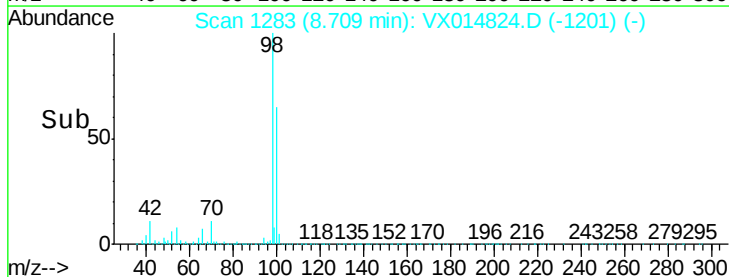
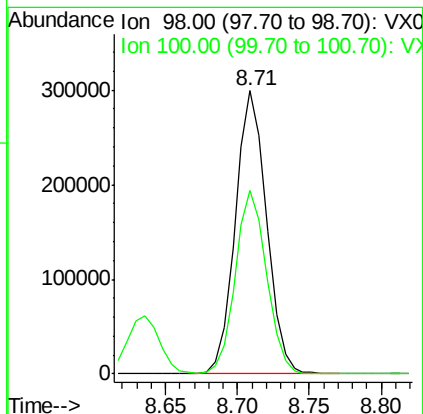
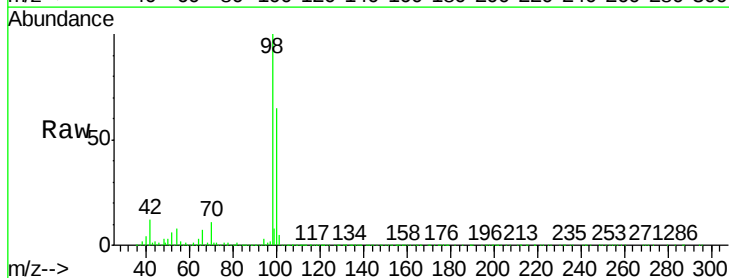
Acq: 05 Feb 2020 15:54

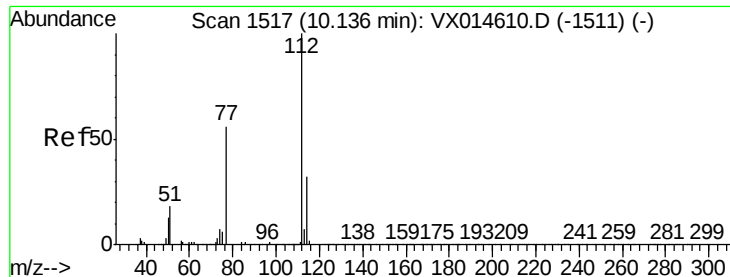
Tgt Ion: 98 Resp: 452331

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





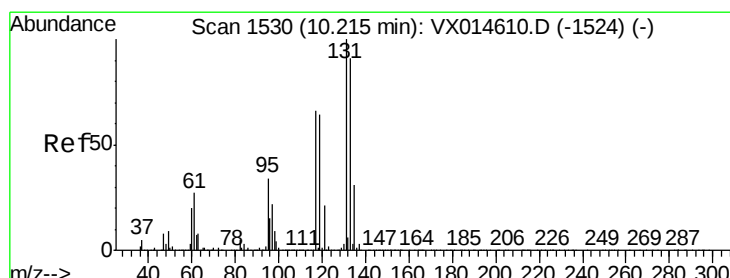
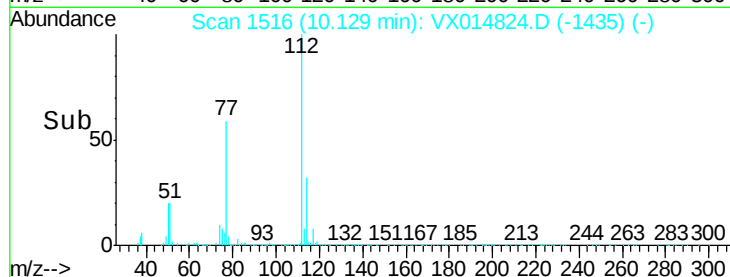
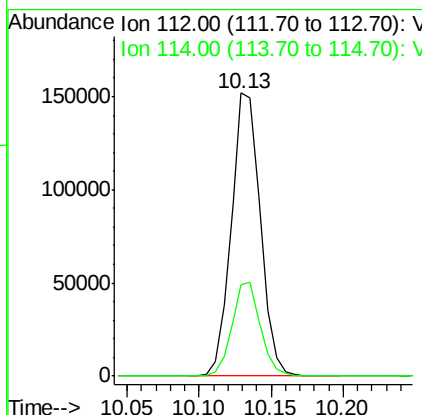
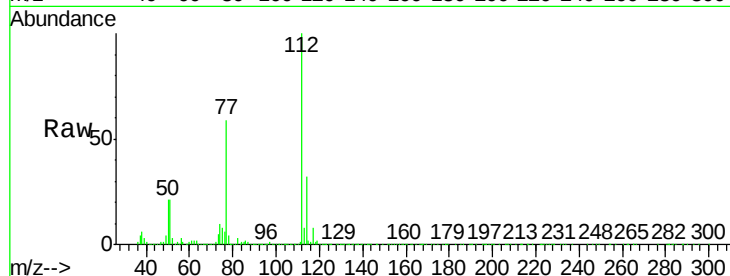
#64
Chlorobenzene
Concen: 19.598 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	215498		
114	32.1	24.4	36.6	

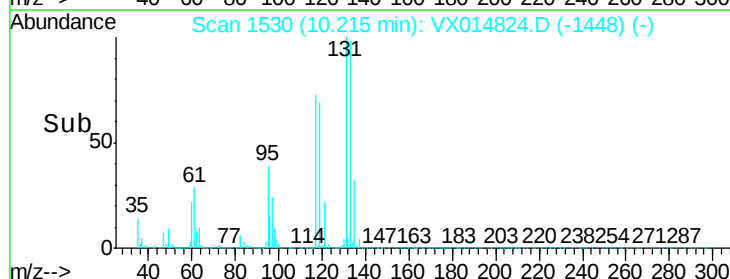
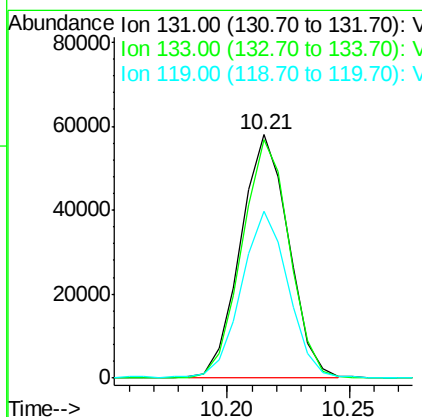
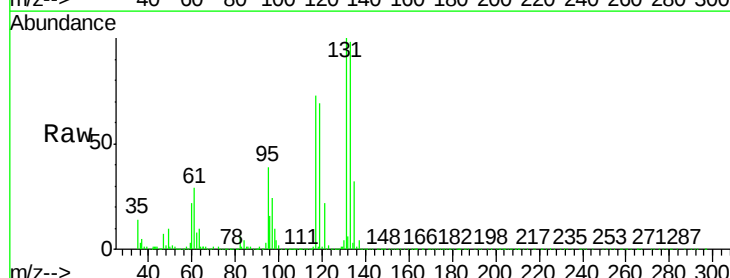
Manual Integrations
APPROVED

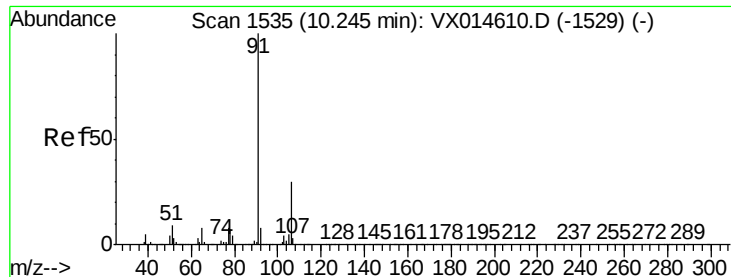
MMDadoda
2/6/2020 1:32:45 PM



#65
1,1,1,2-Tetrachloroethane
Concen: 19.543 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	79371		
133	97.1	0.0	189.8	
119	66.8	0.0	132.2	





#66

Ethyl Benzene

Concen: 19.682 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion: 91 Resp: 377630

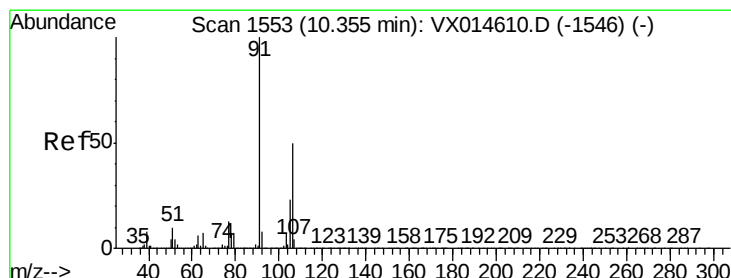
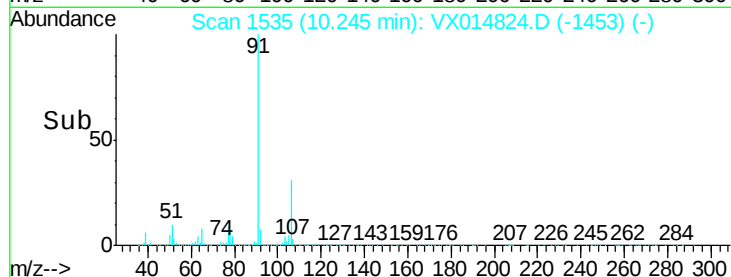
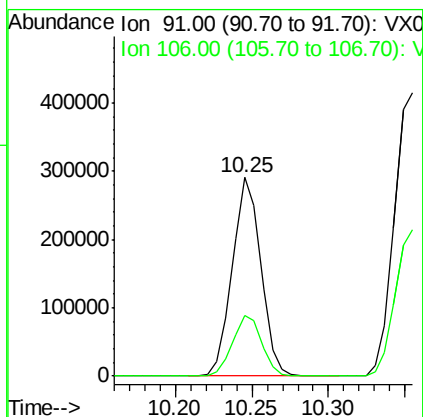
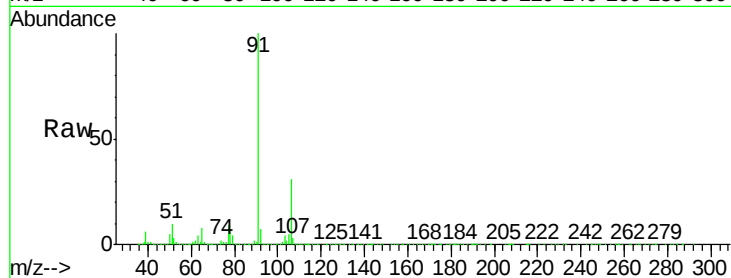
Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.2

Manual Integrations
APPROVED

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2/6/2020 1:32:45 PM



#67

m/p-Xylenes

Concen: 39.172 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014824.D

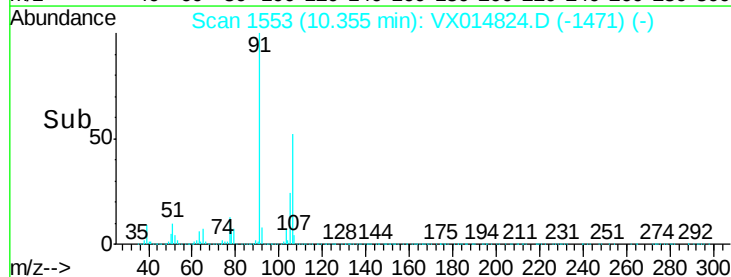
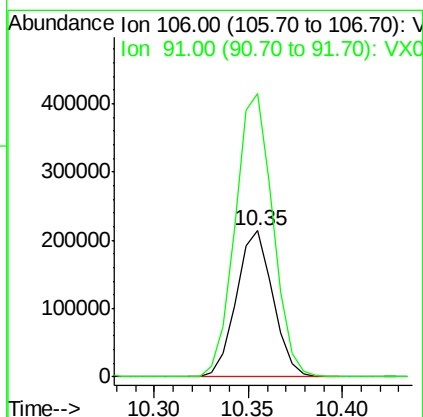
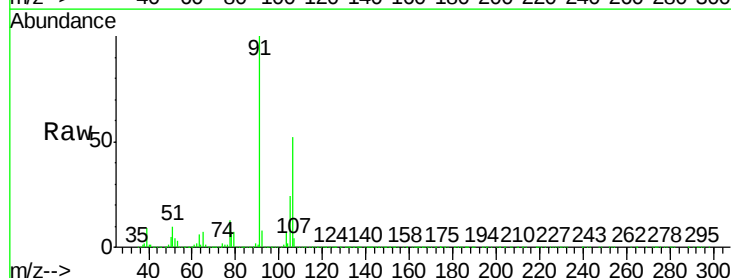
Acq: 05 Feb 2020 15:54

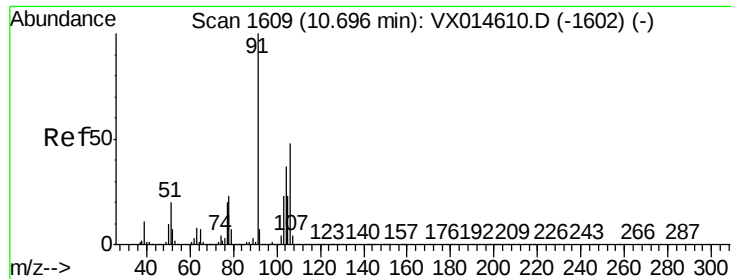
Tgt Ion: 106 Resp: 287880

Ion Ratio Lower Upper

106 100

91 198.9 159.3 238.9





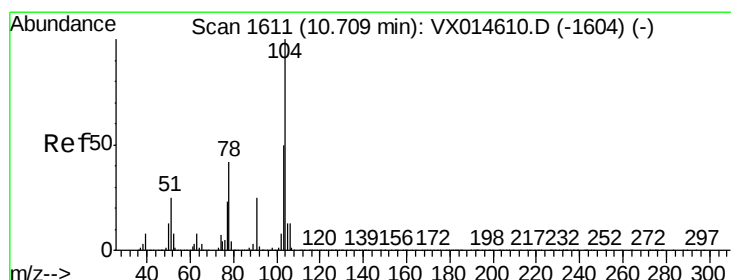
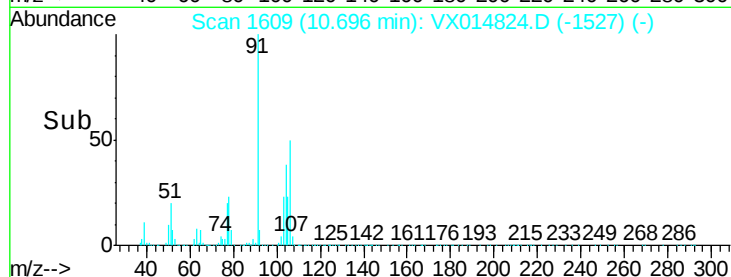
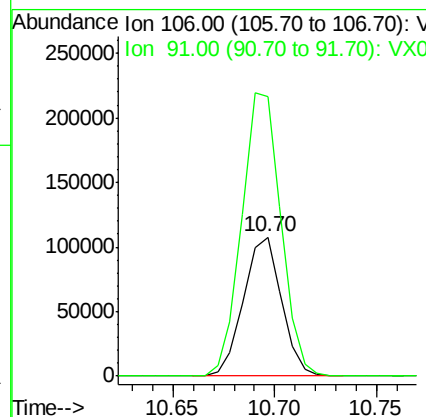
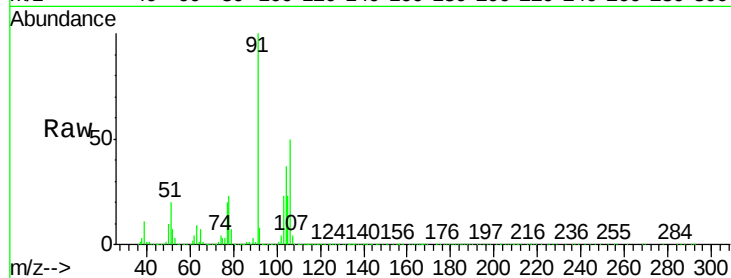
#68
o-Xylene
Concen: 19.462 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
Client Sampled :
BW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
106	100	139274		
91	210.1	104.8	314.6	

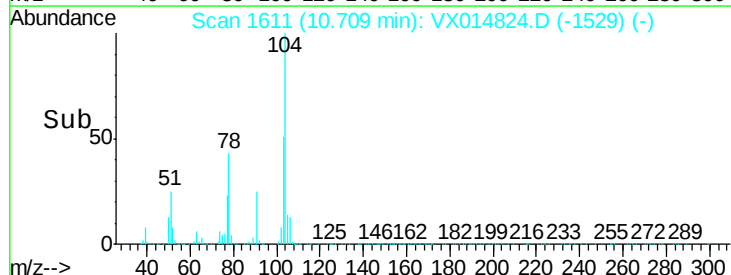
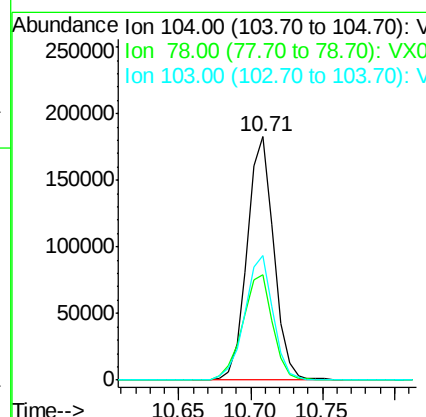
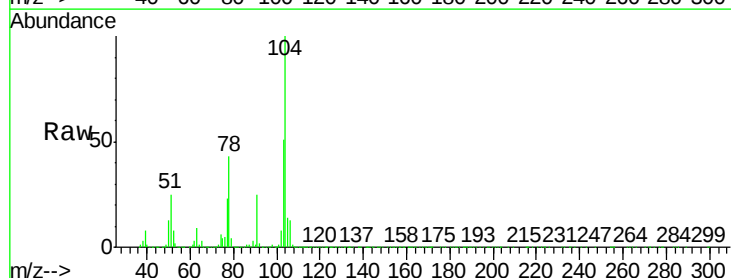
Manual Integrations
APPROVED

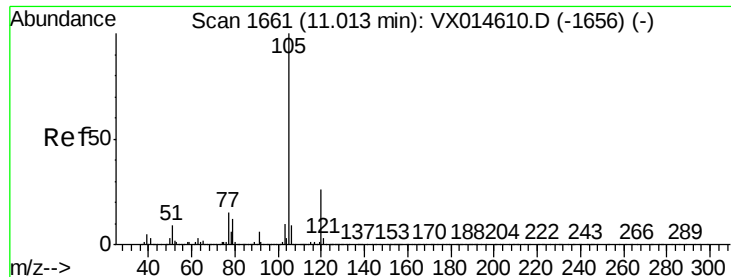
MMDadoda
2/6/2020 1:32:45 PM



#69
Styrene
Concen: 19.218 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	233024		
78	49.1	38.9	58.3	
103	54.9	44.2	66.2	





#70

Isopropylbenzene

Concen: 19.717 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion: 105 Resp: 369658

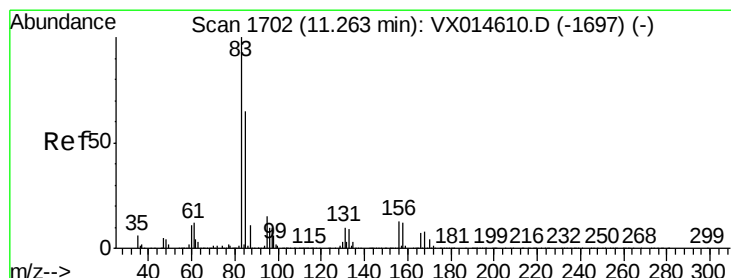
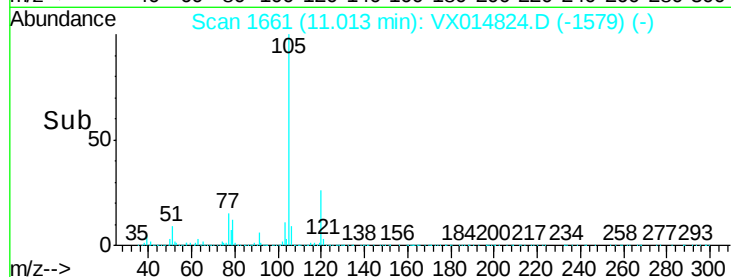
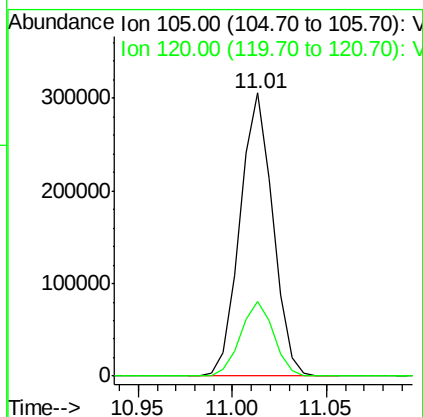
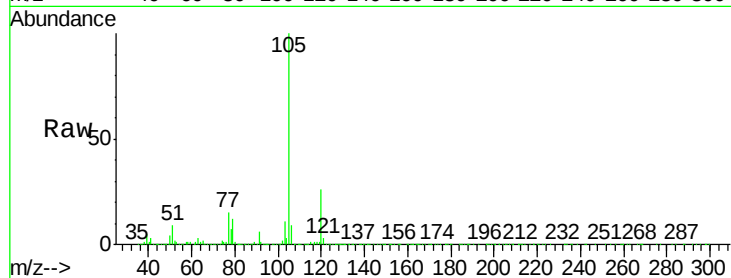
Ion Ratio Lower Upper

105 100

120 26.5 19.1 35.5

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:45 PM



#71

1,1,2,2-Tetrachloroethane

Concen: 19.917 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

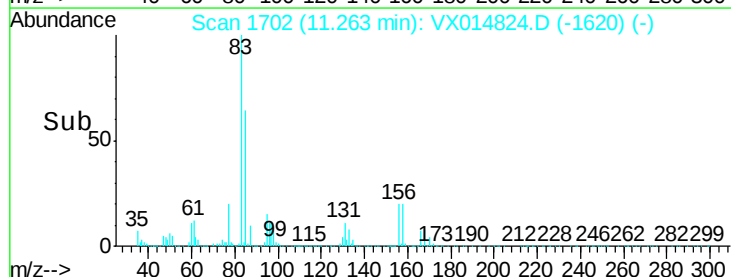
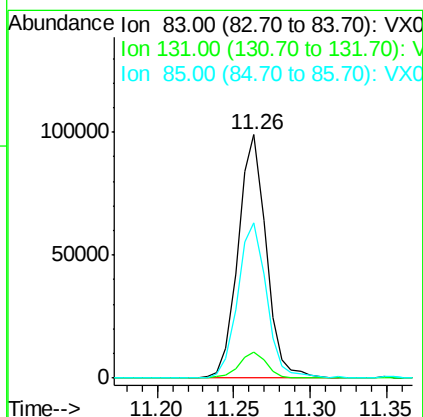
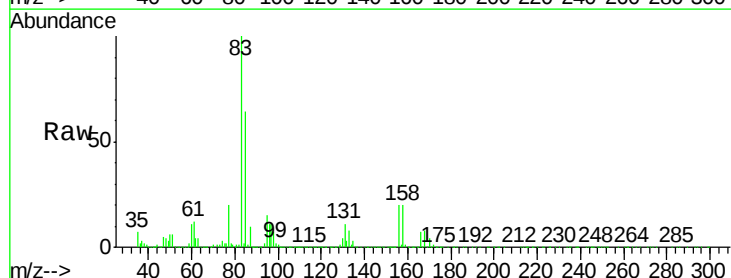
Tgt Ion: 83 Resp: 125784

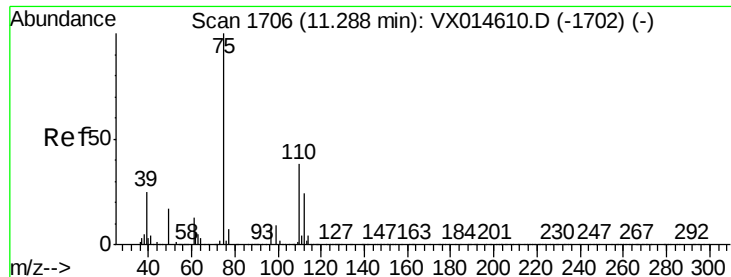
Ion Ratio Lower Upper

83 100

131 10.7 4.9 14.7

85 65.3 31.6 94.7





#72

1,2,3-Trichloropropane

Concen: 19.064 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion: 75 Resp: 102982

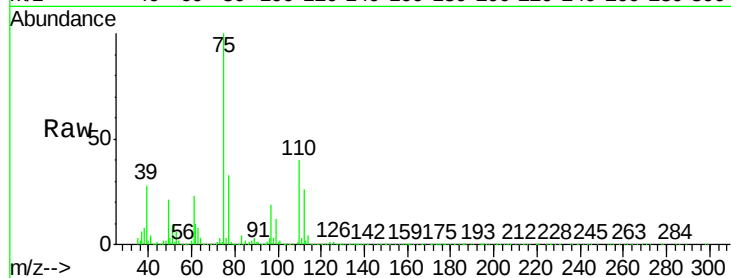
Ion Ratio Lower Upper

75 100

77 44.4 0.0 68.4

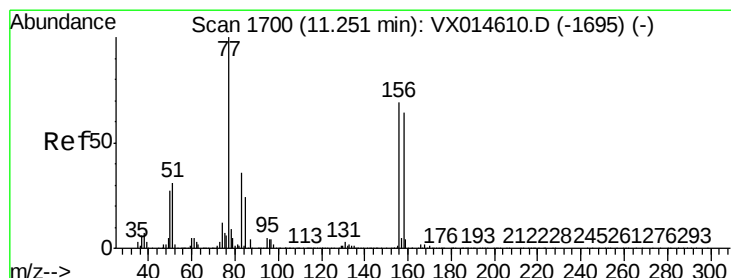
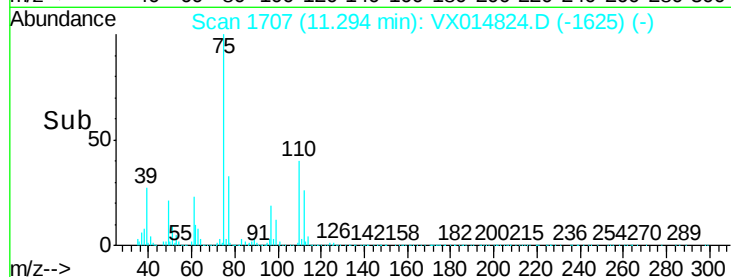
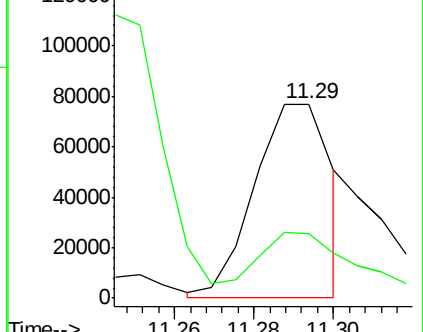
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#73

Bromobenzene

Concen: 19.644 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

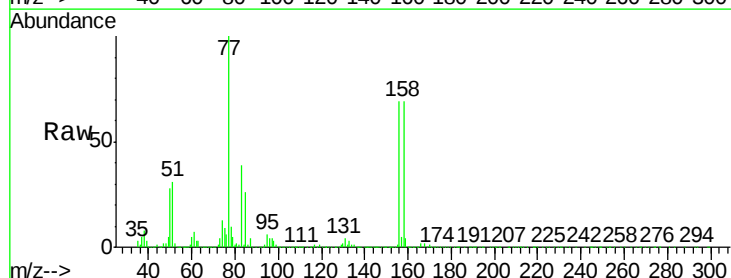
Tgt Ion: 156 Resp: 97626

Ion Ratio Lower Upper

156 100

77 149.0 0.0 304.6

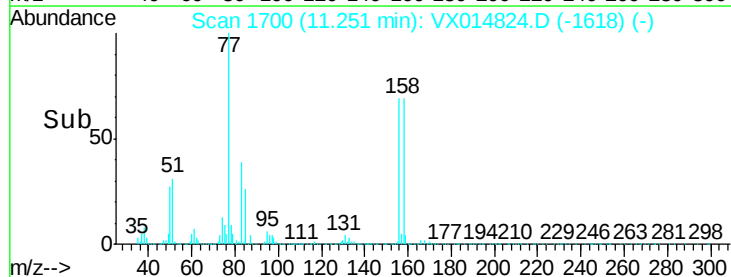
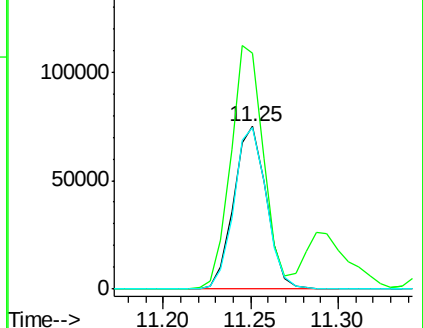
158 98.8 0.0 195.2

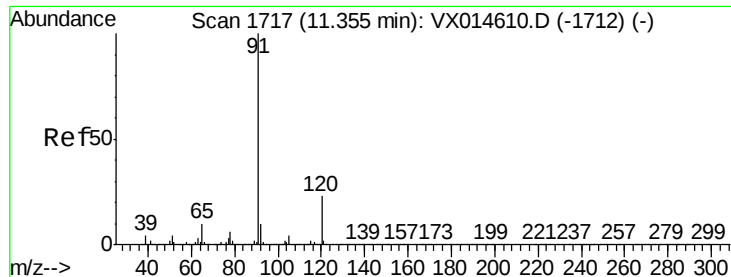


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 19.480 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion: 91 Resp: 417325

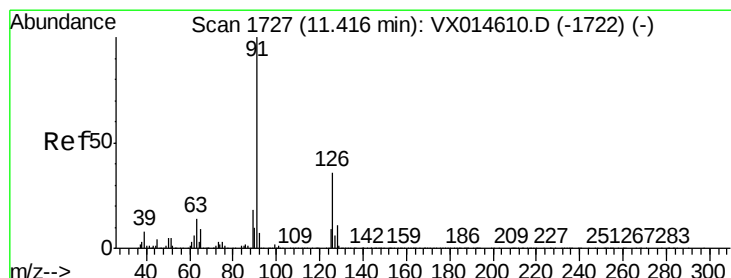
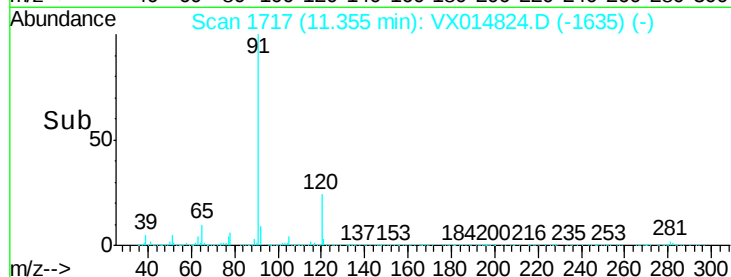
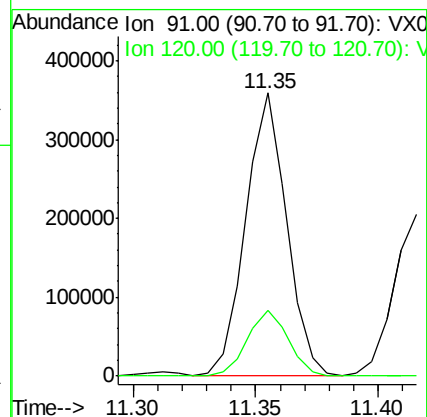
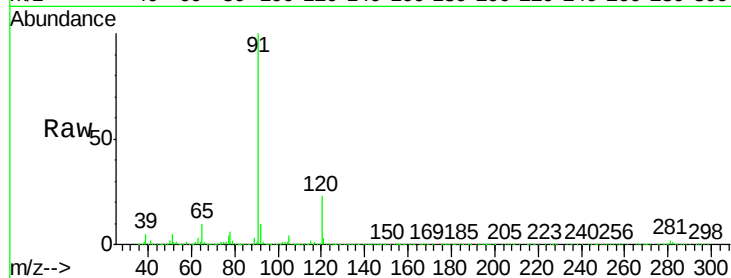
Ion Ratio Lower Upper

91 100

120 23.2 0.0 44.8

Manual Integrations
APPROVED

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2/6/2020 1:32:45 PM



#75

2-Chlorotoluene

Concen: 19.463 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014824.D

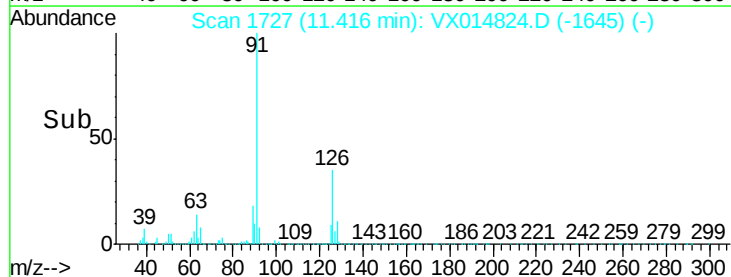
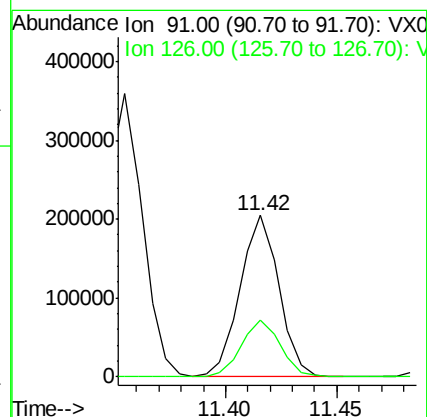
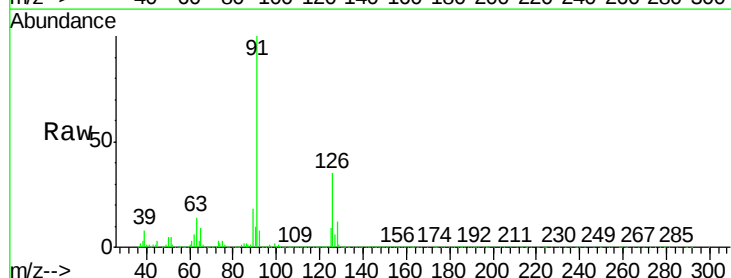
Acq: 05 Feb 2020 15:54

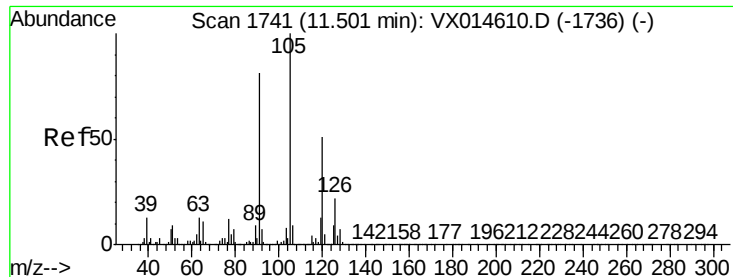
Tgt Ion: 91 Resp: 249891

Ion Ratio Lower Upper

91 100

126 35.1 0.0 70.8





#76

1,3,5-Trimethylbenzene

Concen: 19.717 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampleId :

BW-2MS

Tot Ion:105 Resp: 308014

Ion Ratio Lower Upper

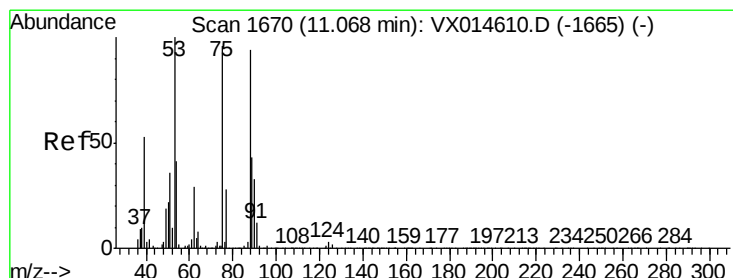
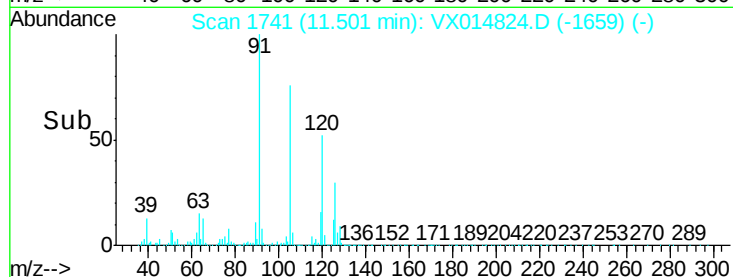
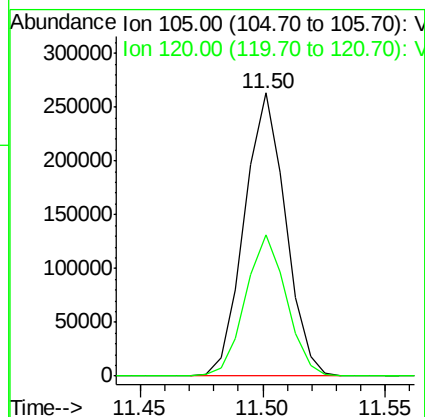
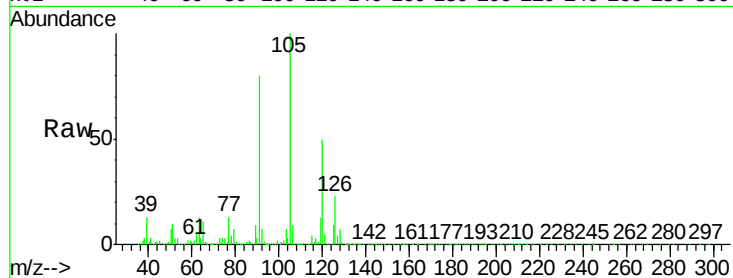
105 100

120 49.8 0.0 100.6

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#77

t-1,4-Dichloro-2-butene

Concen: 17.775 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

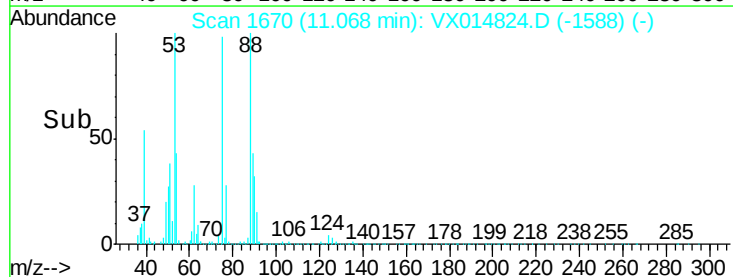
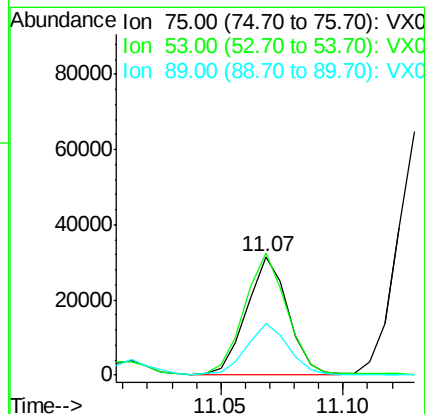
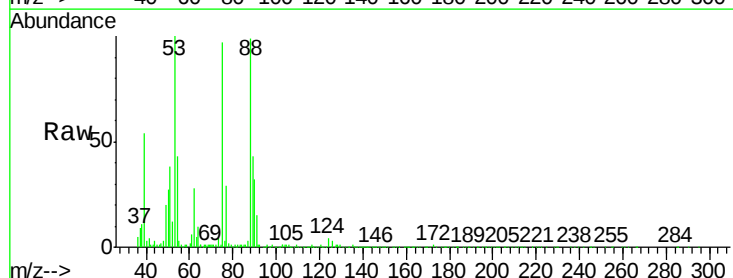
Tgt Ion: 75 Resp: 36955

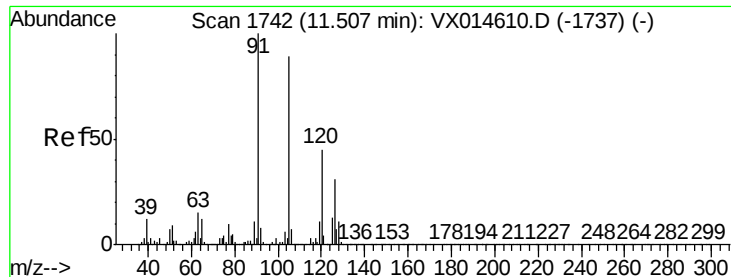
Ion Ratio Lower Upper

75 100

53 101.9 54.4 163.1

89 43.7 21.9 65.5





#78

4-Chlorotoluene

Concen: 19.621 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

ClientSampled :

BW-2MS

Tot Ion: 91 Resp: 286110

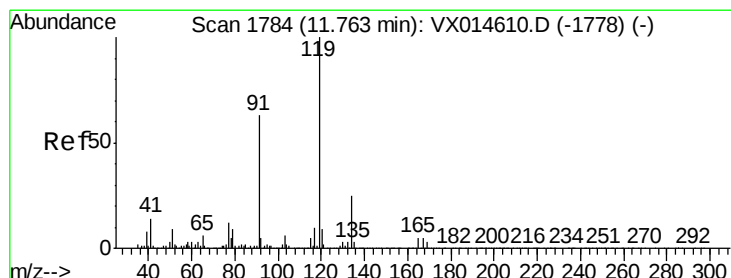
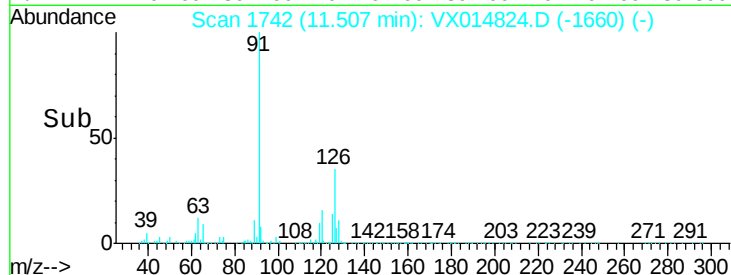
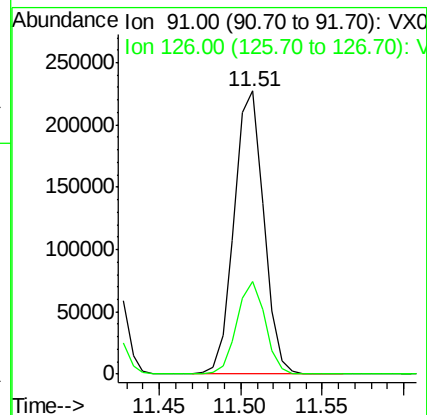
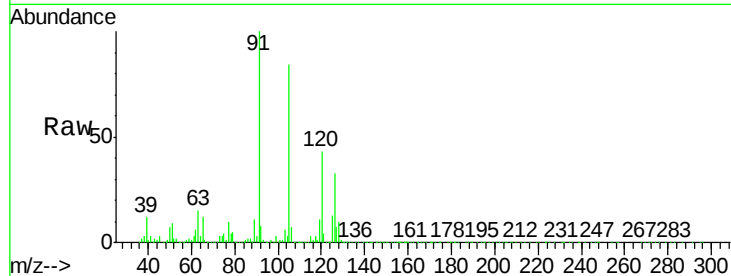
Ion Ratio Lower Upper

91 100

126 31.5 0.0 59.6

Manual Integrations
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#79

tert-butylbenzene

Concen: 20.308 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

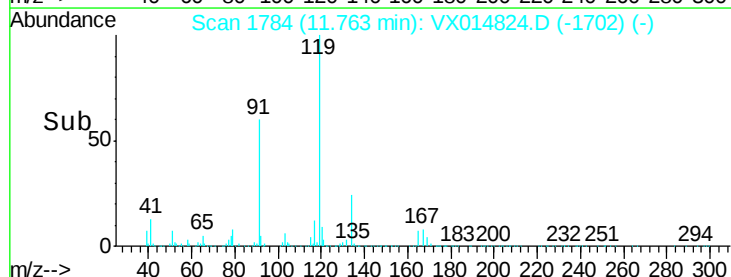
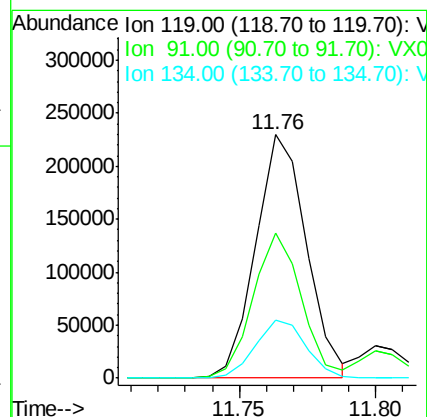
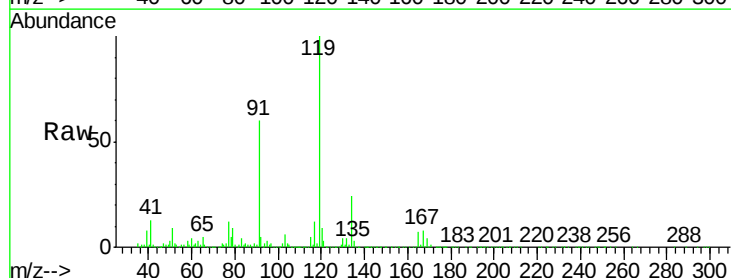
Tgt Ion: 119 Resp: 296851

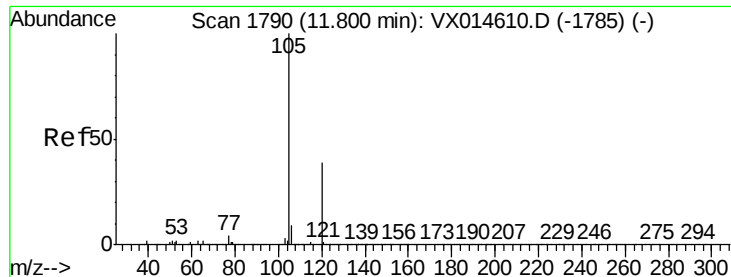
Ion Ratio Lower Upper

119 100

91 56.7 0.0 112.6

134 24.1 0.0 49.8





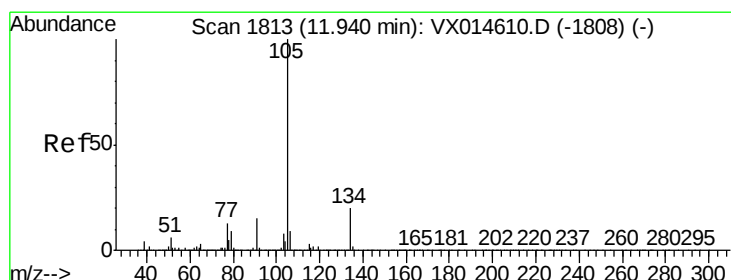
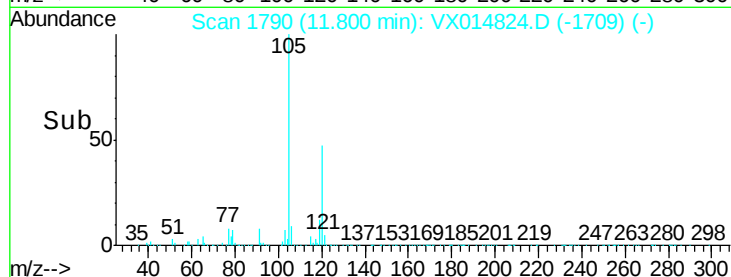
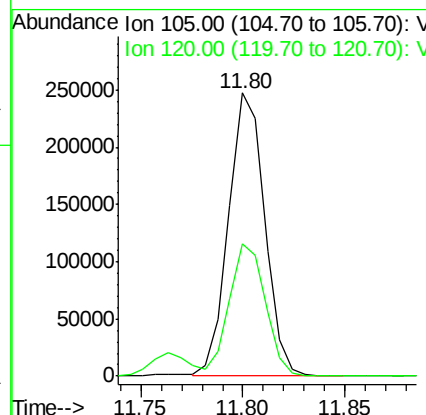
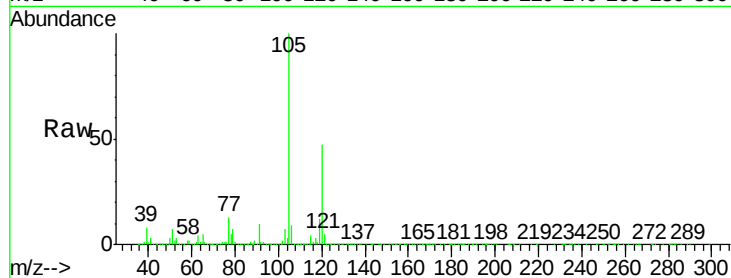
#80
1,2,4-Trimethylbenzene
Concen: 19.424 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	302648		
120	46.6	0.0	92.0	

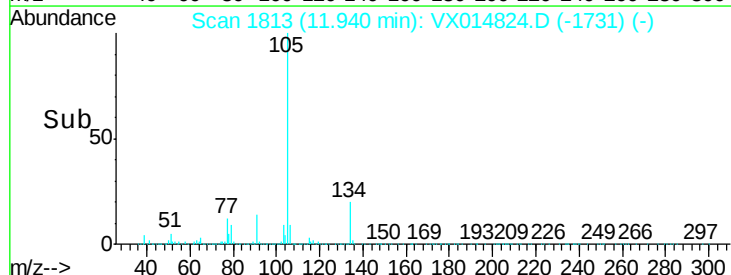
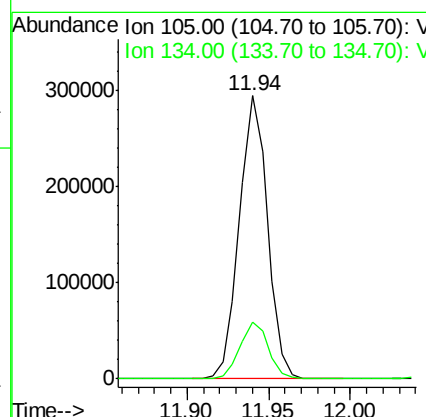
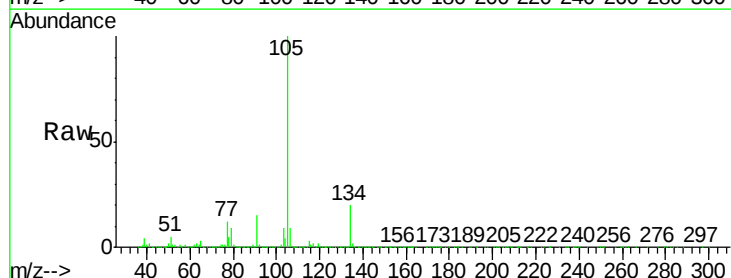
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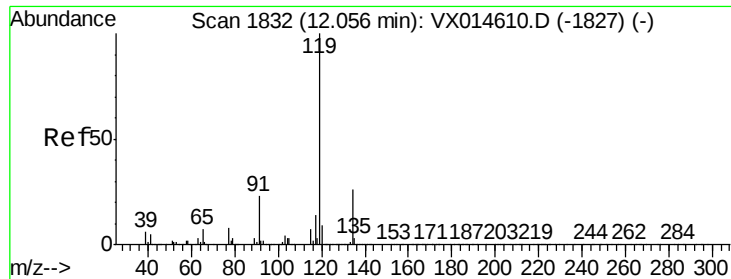
MMDadoda
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#81
sec-Butylbenzene
Concen: 19.565 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	353888		
134	20.0	0.0	40.2	





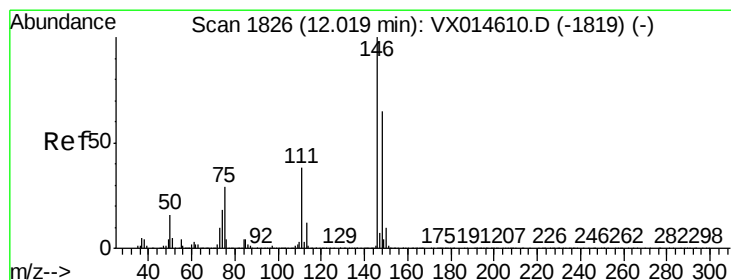
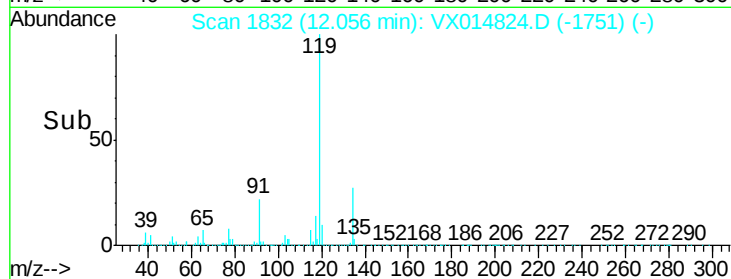
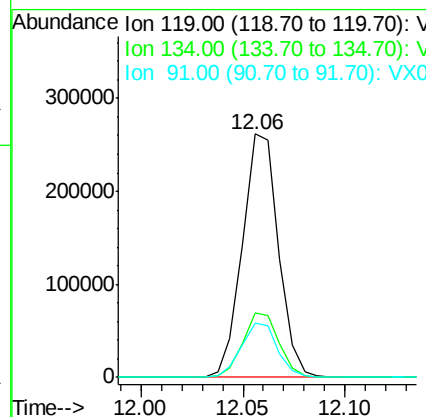
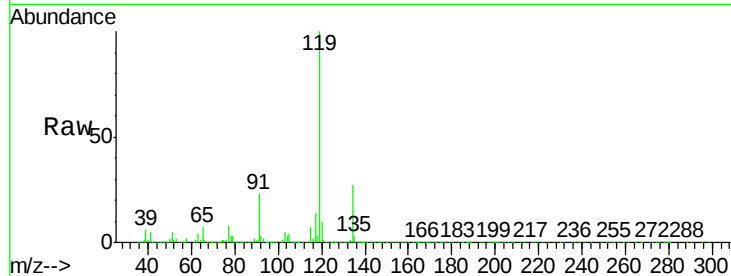
#82
p-Isopropyltoluene
Concen: 19.442 ug/l
RT: 12.06 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	26.4	0.0	53.8
91	22.1	0.0	45.0

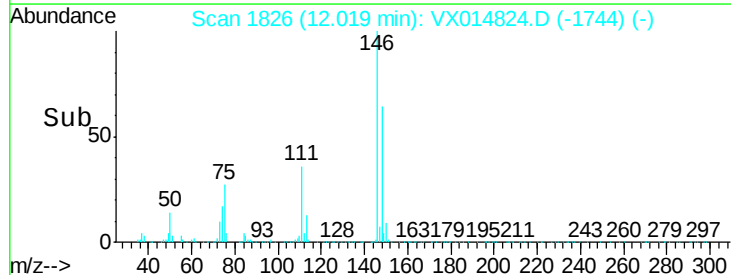
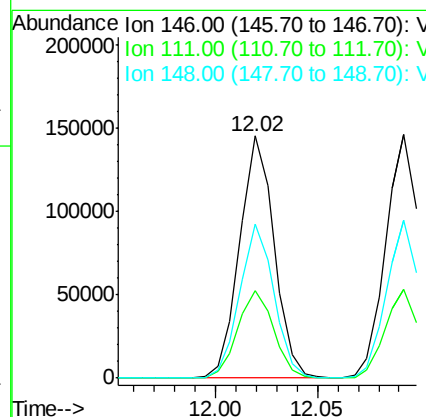
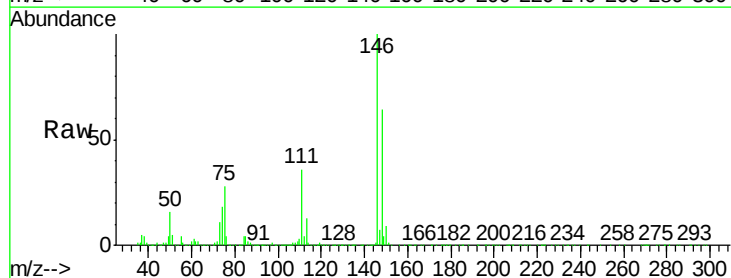
Manual Integrations
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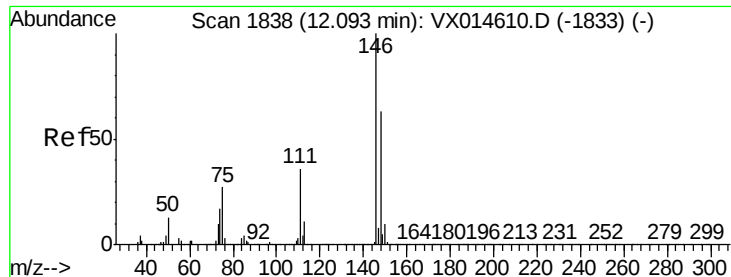
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#83
1,3-Dichlorobenzene
Concen: 19.653 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	36.9	19.3	57.9
148	63.0	32.2	96.6





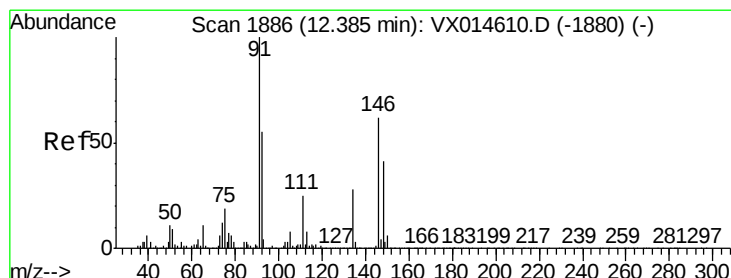
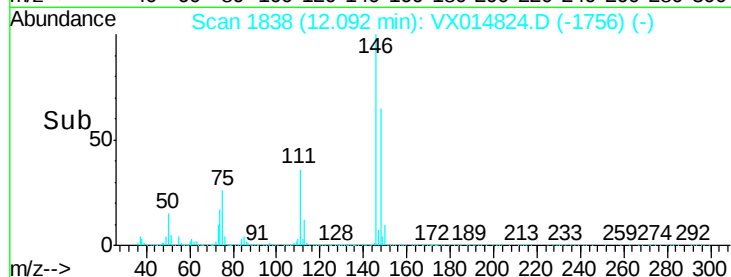
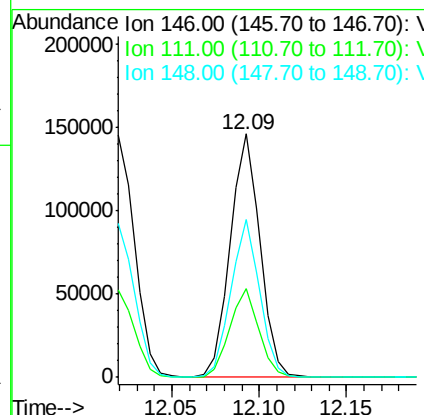
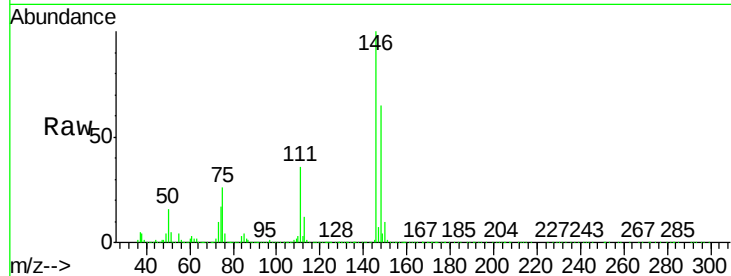
#84
1,4-Dichlorobenzene
Concen: 20.118 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.4	55.4
148	62.5	32.0	96.0

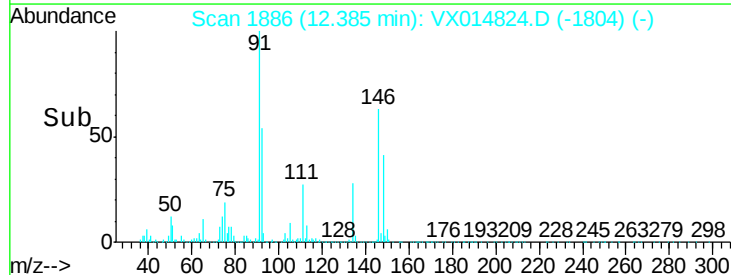
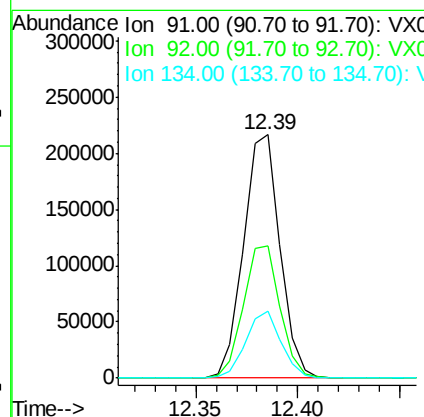
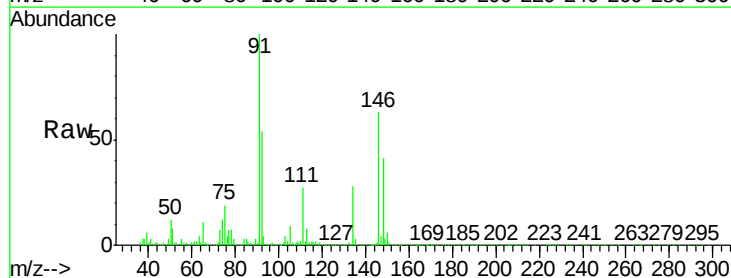
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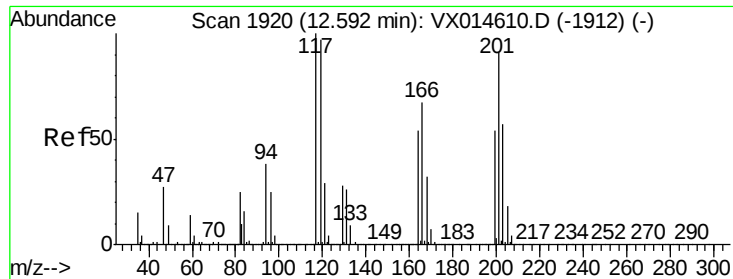
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2/6/2020 1:32:45 PM



#85
n-Butylbenzene
Concen: 18.547 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	0.0	109.0
134	26.6	0.0	54.0





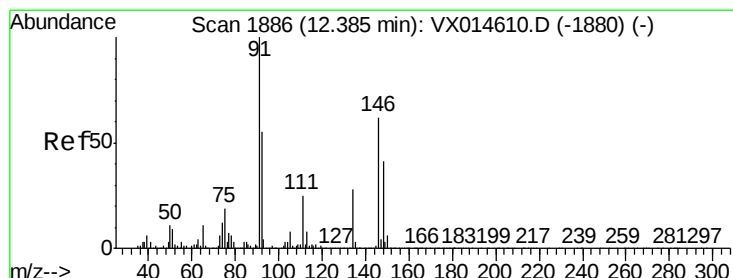
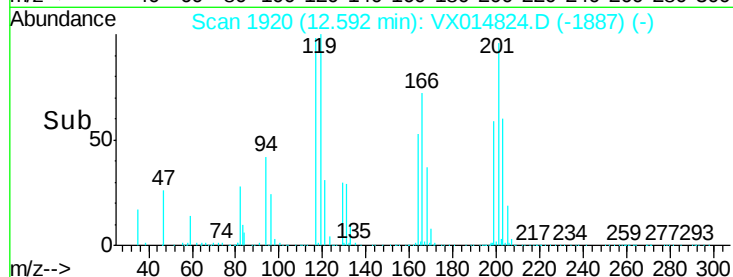
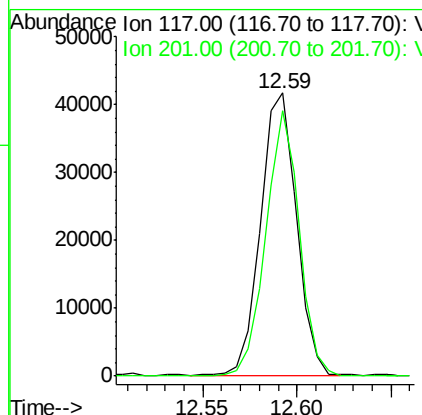
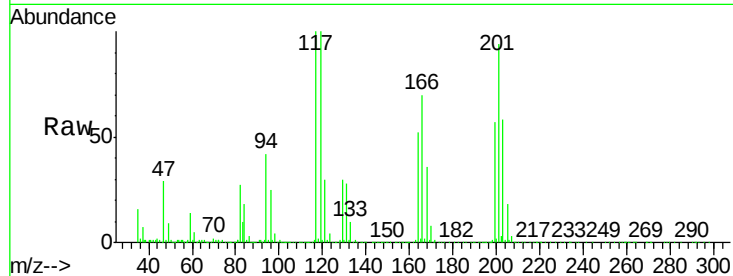
#86
Hexachloroethane
Concen: 18.500 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion:117 Resp: 54779
Ion Ratio Lower Upper
117 100
201 87.6 44.8 134.3

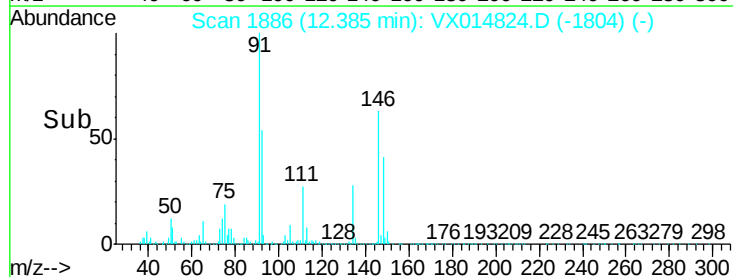
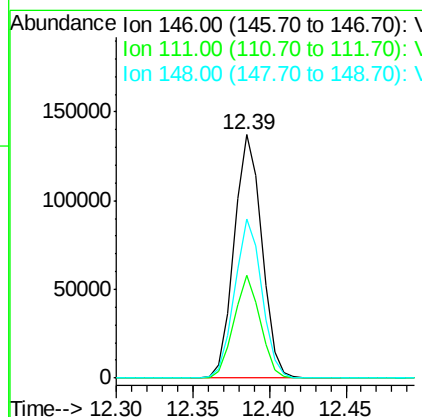
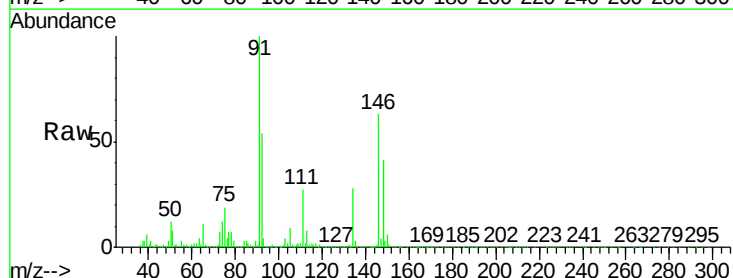
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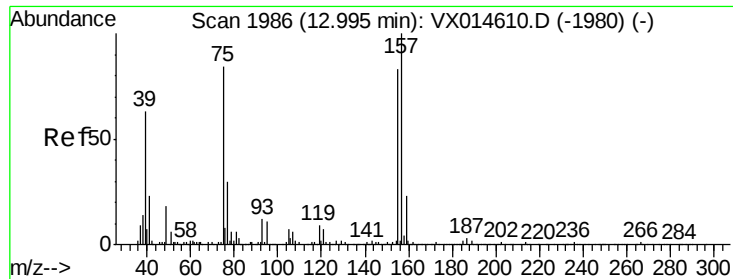
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2/6/2020 1:32:45 PM



#87
1,2-Dichlorobenzene
Concen: 19.592 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion:146 Resp: 171550
Ion Ratio Lower Upper
146 100
111 39.9 20.1 60.2
148 64.4 32.0 96.2





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.160 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Instrument :

MSVOA_X

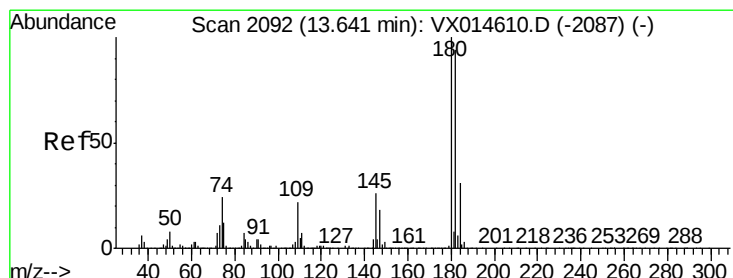
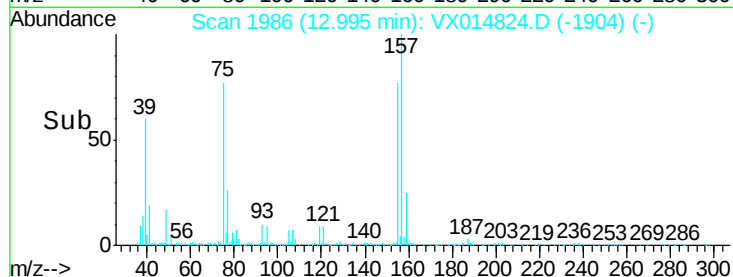
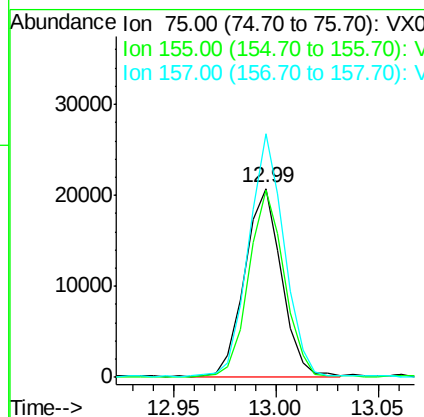
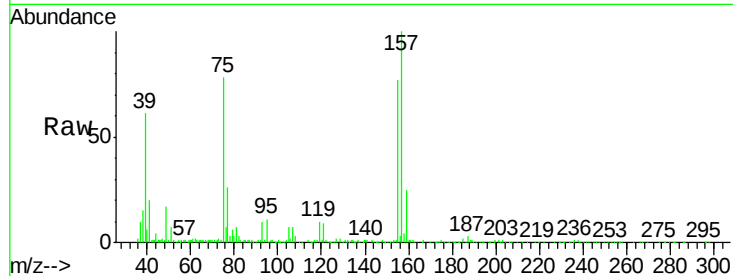
ClientSampled :

BW-2MS

Tot Ion:	75	Resp:	25847
Ion Ratio	Lower	Upper	
75	100		
155	96.3	73.8	110.6
157	124.3	95.0	142.4

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#89

1,2,4-Trichlorobenzene

Concen: 19.459 ug/l

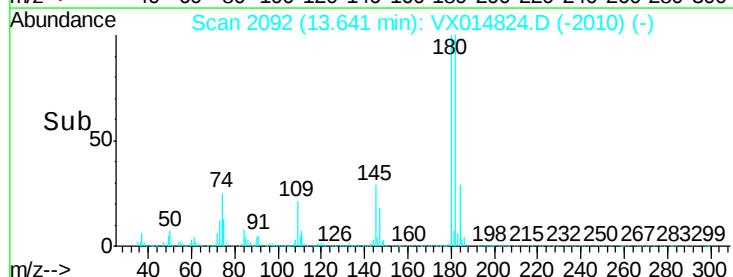
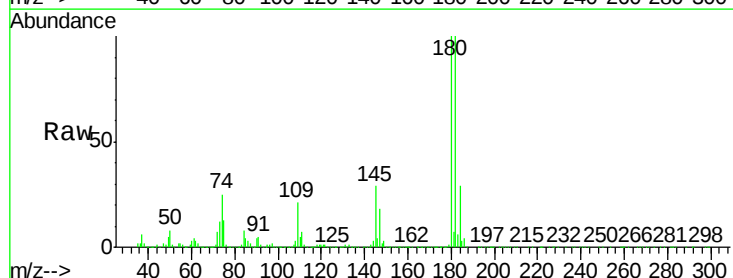
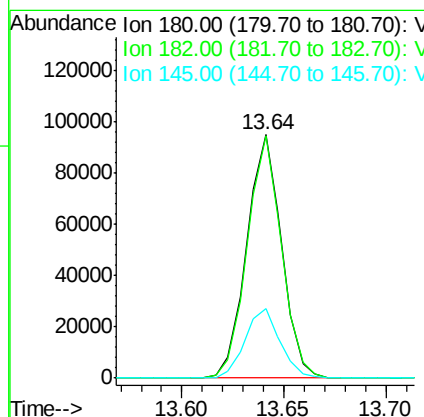
RT: 13.64 min Scan# 2092

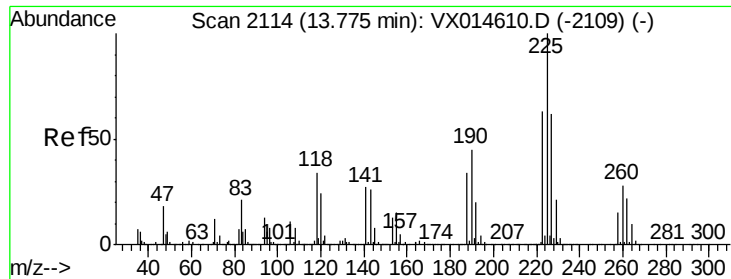
Delta R.T. 0.00 min

Lab File: VX014824.D

Acq: 05 Feb 2020 15:54

Tgt Ion:	180	Resp:	112461
Ion Ratio	Lower	Upper	
180	100		
182	97.7	76.4	114.6
145	28.7	21.9	32.9





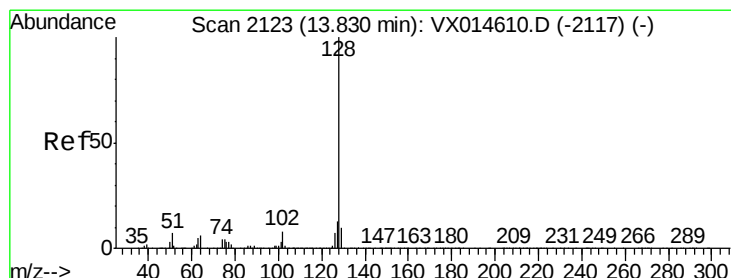
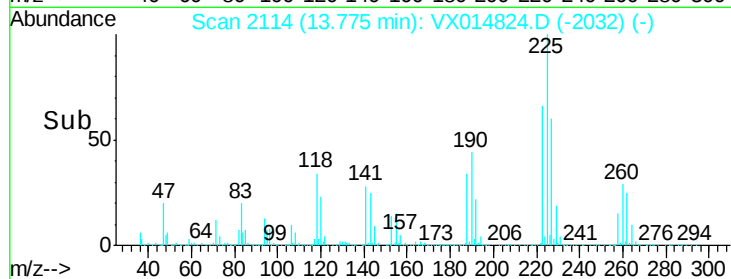
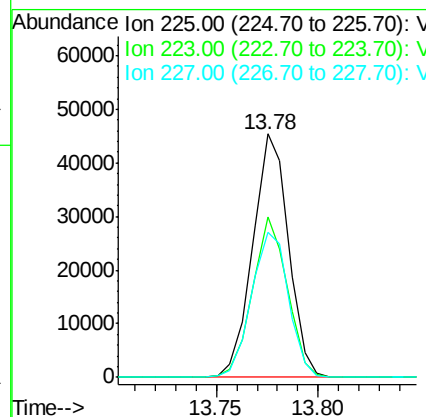
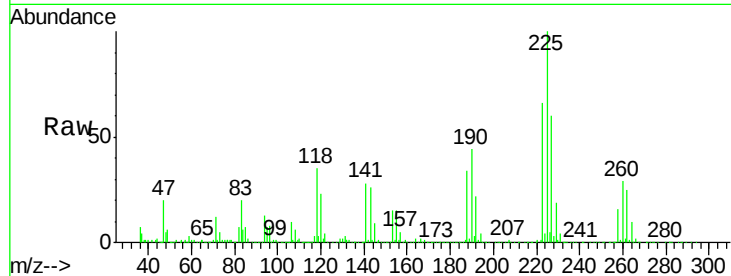
#90
Hexachlorobutadiene
Concen: 19.256 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Instrument :
MSVOA_X
ClientSampleId :
BW-2MS

Tot Ion	Ratio	Lower	Upper
225	100		
223	64.1	0.0	127.4
227	61.1	0.0	122.8

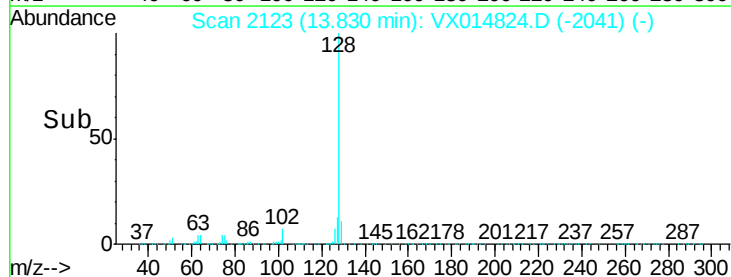
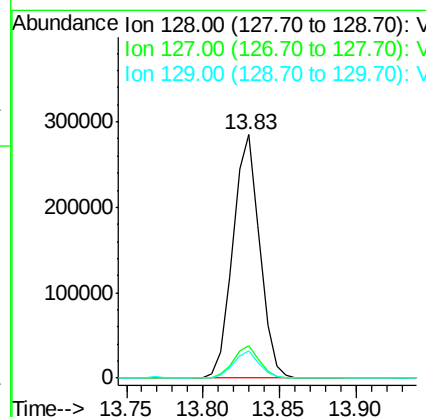
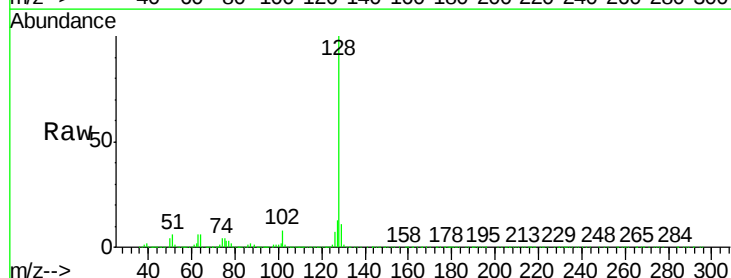
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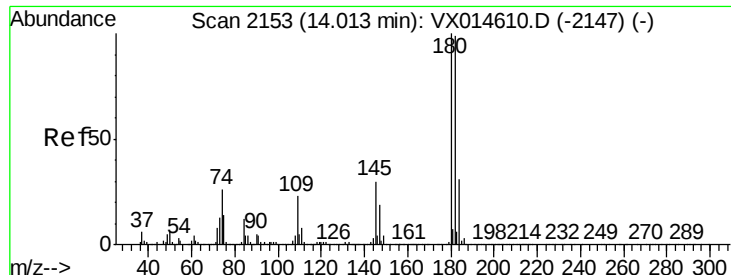
MMDadoda
2/6/2020 1:32:45 PM



#91
Naphthalene
Concen: 19.767 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014824.D
Acq: 05 Feb 2020 15:54

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.9	13.3





#92
 1,2,3-Trichlorobenzene
 Concen: 20.063 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014824.D
 Acq: 05 Feb 2020 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.5	0.0	192.8
145	29.6	0.0	60.0

Manual Integrations
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 2/6/2020 1:32:45 PM

