

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014835.D
 Acq On : 05 Feb 2020 20:10
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:15 PM

Quant Time: Feb 06 03:31:07 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	71176	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	386860	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	349711	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	150287	30.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.13%
60) 4-Bromofluorobenzene	11.13	95	163610	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	8.71	98	468804	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	94573	19.226	ug/l 96
3) Chloromethane	1.32	50	98461	18.283	ug/l 94
4) Vinyl Chloride	1.40	62	115331	19.073	ug/l 100
5) Bromomethane	1.64	94	71940	19.065	ug/l 98
6) Chloroethane	1.72	64	64704	18.981	ug/l 97
7) Trichlorofluoromethane	1.93	101	134045	20.020	ug/l 99
8) Diethyl Ether	2.18	74	57763	19.751	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	77274	19.727	ug/l 100
10) 1,1-Dichloroethene	2.37	96	79170	20.093	ug/l 94
11) Methyl Iodide	2.50	142	105897	20.040	ug/l 97
12) Methyl Acetate	2.76	43	143763	20.198	ug/l 99
13) Acrolein	2.28	56	62881	84.107	ug/l 99
14) Acrylonitrile	3.13	53	228983	94.019	ug/l 98
15) Acetone	2.43	58	74704	91.494	ug/l 87
16) Carbon Disulfide	2.56	76	196197	18.130	ug/l 98
17) Allyl chloride	2.72	41	135090	18.526	ug/l 93
18) Methylene Chloride	2.85	84	91325	19.804	ug/l 95
19) trans-1,2-Dichloroethene	3.16	96	84495	19.921	ug/l 97
20) Diisopropyl ether	3.84	45	284079	19.690	ug/l 98
21) 1,1-Dichloroethane	3.69	63	152888	19.507	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	97151	19.932	ug/l 98
23) tert-Butyl Alcohol	3.02	59	99863	99.146	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	269392	20.544	ug/l 99
25) Chloroform	5.20	83	151947	20.013	ug/l 99
26) Cyclohexane	5.57	56	135063	18.682	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	110460	19.469	ug/l 99
30) 2-Butanone	4.65	43	340310	94.688	ug/l 100
31) 2,2-Dichloropropane	4.58	77	118388	19.501	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	129415	20.618	ug/l 98
33) Carbon Tetrachloride	5.78	117	109859	20.387	ug/l 97
34) Benzene	6.14	78	347086	19.797	ug/l 98
35) Methacrylonitrile	5.03	41	67543	18.817	ug/l 91
36) 1,2-Dichloroethane	6.18	62	125936	20.641	ug/l 98
37) Trichloroethene	7.21	130	98887	20.600	ug/l 96
38) Methylcyclohexane	7.46	83	133642	18.918	ug/l 98
39) 1,2-Dichloropropane	7.51	63	88156	19.337	ug/l 95
40) Dibromomethane	7.65	93	57661	19.680	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	115172	20.073	ug/l	99
42) Vinyl Acetate	3.80	43	1082502	97.721	ug/l	99
43) Ethyl Acetate	4.82	43	128417	19.738	ug/l	98
44) Isopropyl Acetate	6.43	43	208097	19.827	ug/l	100
45) 1,4-Dioxane	7.73	88	43205	411.524	ug/l	95
46) Methyl methacrylate	7.76	41	99819	19.340	ug/l	98
47) n-amyl Acetate	10.89	43	173796	19.762	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	126331	20.167	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	138721	19.654	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	91282	20.475	ug/l	98
51) Ethyl methacrylate	9.17	69	137095	19.749	ug/l	97
52) 1,3-Dichloropropane	9.36	76	150659	19.945	ug/l	98
53) Dibromochloromethane	9.57	129	93599	20.525	ug/l	100
54) 1,2-Dibromoethane	9.67	107	94980	20.542	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	296761	93.021	ug/l	99
56) Bromoform	10.85	173	69555	19.802	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	648346	98.448	ug/l	99
59) 2-Hexanone	9.48	43	489300	96.069	ug/l	99
61) Tetrachloroethene	9.33	164	108214	20.936	ug/l	92
62) Toluene	8.78	91	377854	20.365	ug/l	100
64) Chlorobenzene	10.14	112	237417	20.498	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	88338	20.650	ug/l	100
66) Ethyl Benzene	10.25	91	411575	20.366	ug/l	97
67) m/p-Xylenes	10.35	106	317125	40.967	ug/l	99
68) o-Xylene	10.70	106	152401	20.218	ug/l	99
69) Styrene	10.71	104	256752	20.103	ug/l	100
70) Isopropylbenzene	11.01	105	407850	20.653	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	134630	20.239	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	112367m	19.748	ug/l	
73) Bromobenzene	11.25	156	108849	20.793	ug/l	97
74) n-propylbenzene	11.35	91	461262	20.441	ug/l	100
75) 2-Chlorotoluene	11.42	91	273285	20.207	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	337963	20.539	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	41482	18.942	ug/l	98
78) 4-Chlorotoluene	11.51	91	310935	20.245	ug/l	98
79) tert-butylbenzene	11.76	119	320950	20.845	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	338203	20.607	ug/l	99
81) sec-Butylbenzene	11.94	105	384057	20.158	ug/l	98
82) p-Isopropyltoluene	12.06	119	361364	20.776	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	189692	20.753	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	186451	20.575	ug/l	100
85) n-Butylbenzene	12.39	91	295901	19.444	ug/l	99
86) Hexachloroethane	12.59	117	60612	19.433	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	188862	20.478	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	29513	20.770	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	129103	21.208	ug/l	99
90) Hexachlorobutadiene	13.78	225	62870	20.669	ug/l	99
91) Naphthalene	13.83	128	391704	21.316	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	131848	21.279	ug/l	99

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ClientSampleId :
VSTDCCC020EC

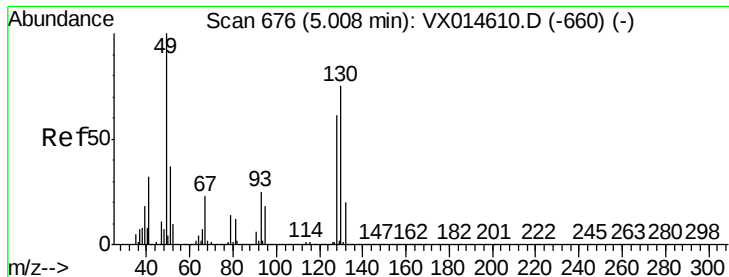
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

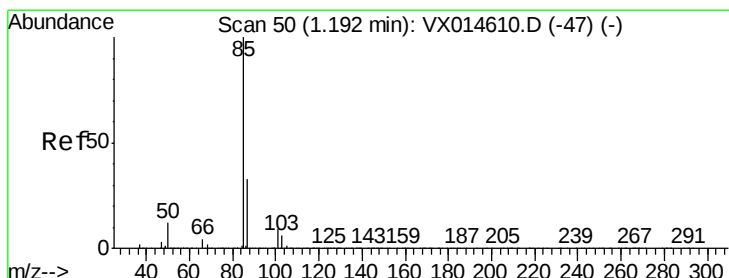
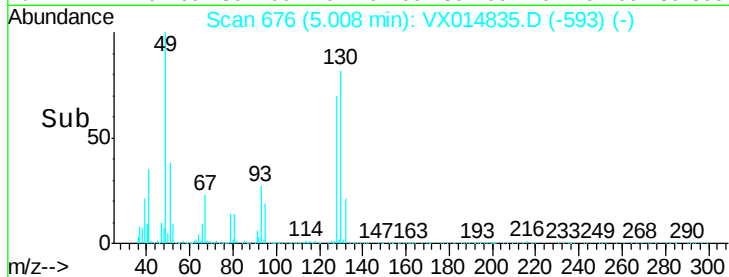
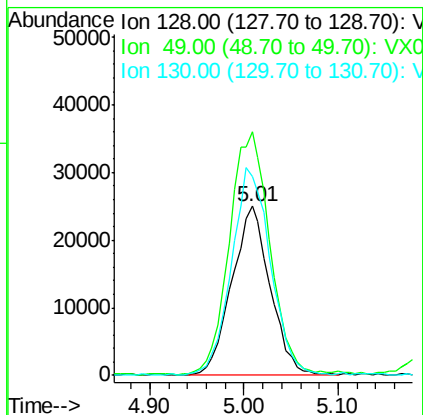
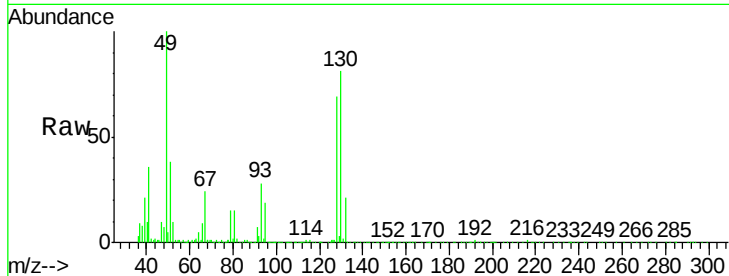
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	71176
Ion	Ratio	Lower	Upper
128	100		
49	150.6	0.0	405.0
130	124.6	0.0	321.5

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#2

Dichlorodifluoromethane

Concen: 19.226 ug/l

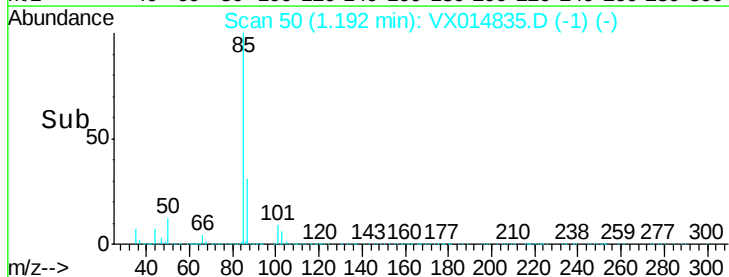
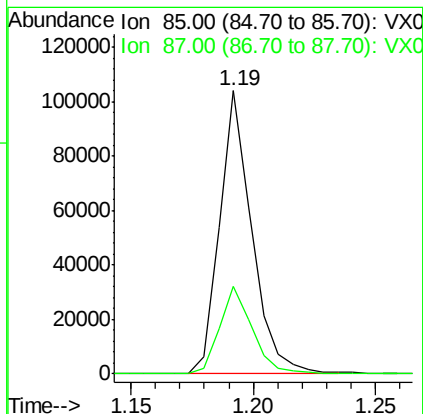
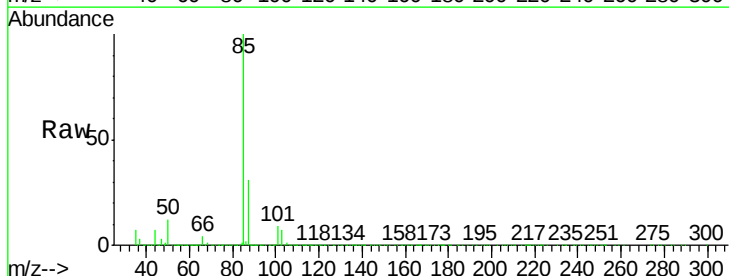
RT: 1.19 min Scan# 50

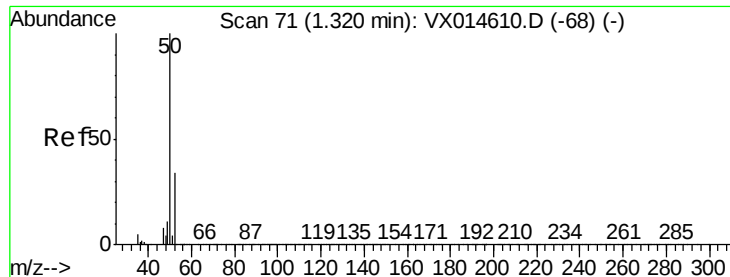
Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tgt Ion:	85	Resp:	94573
Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.3	48.9





#3

Chloromethane

Concen: 18.283 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 98461

Ion Ratio Lower Upper

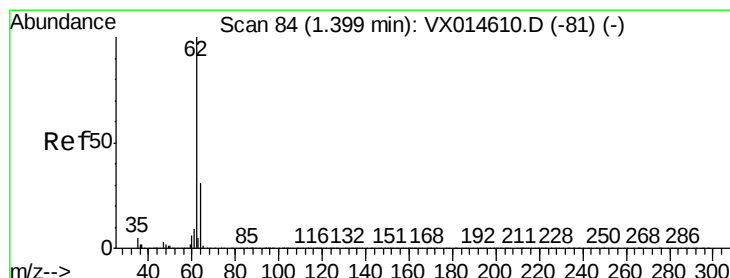
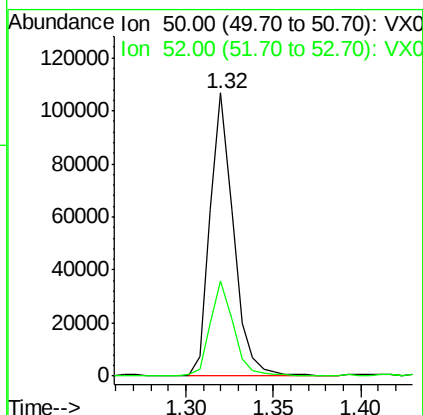
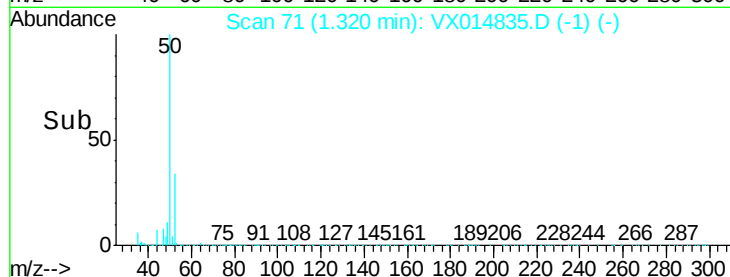
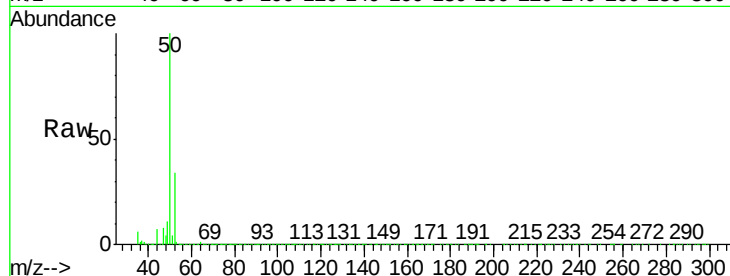
50 100

52 33.6 24.3 36.5

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#4

Vinyl Chloride

Concen: 19.073 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014835.D

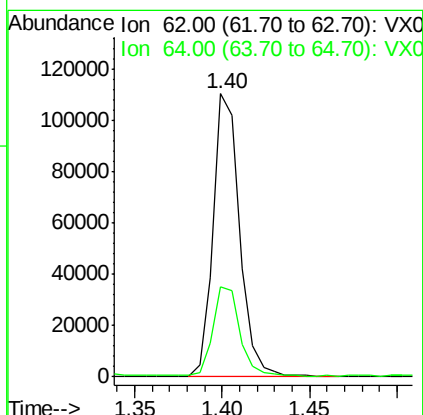
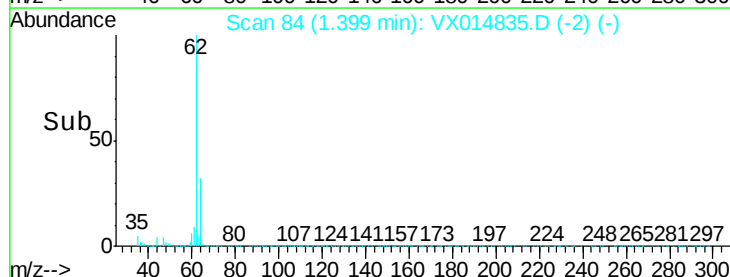
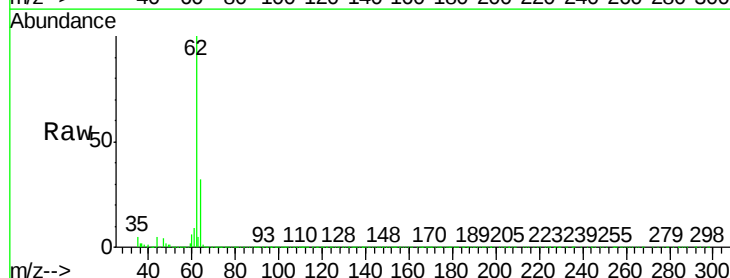
Acq: 05 Feb 2020 20:10

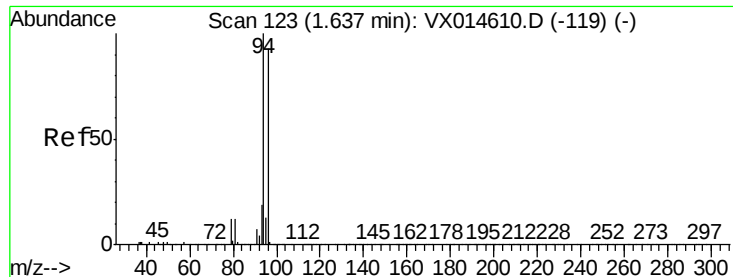
Tgt Ion: 62 Resp: 115331

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 19.065 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 71940

Ion Ratio Lower Upper

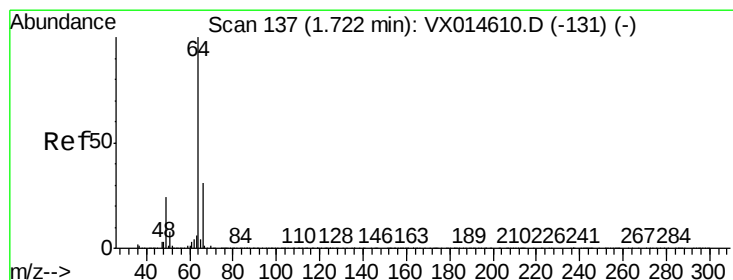
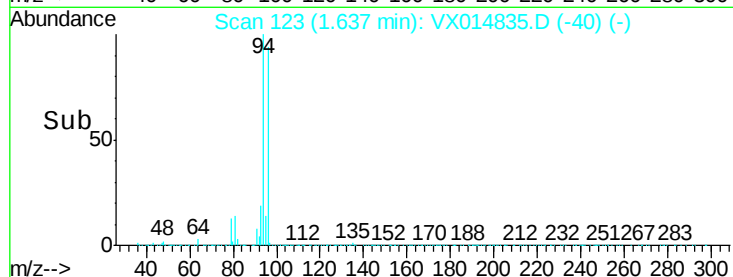
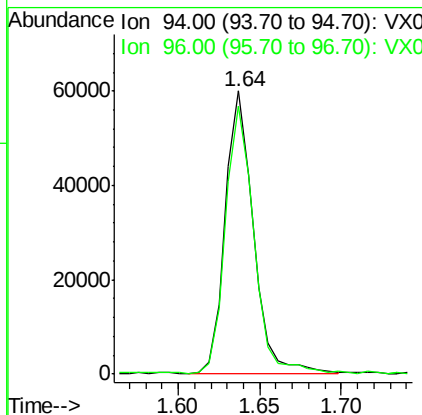
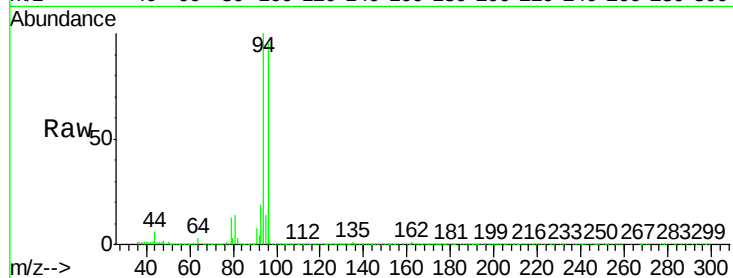
94 100

96 94.6 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 18.981 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014835.D

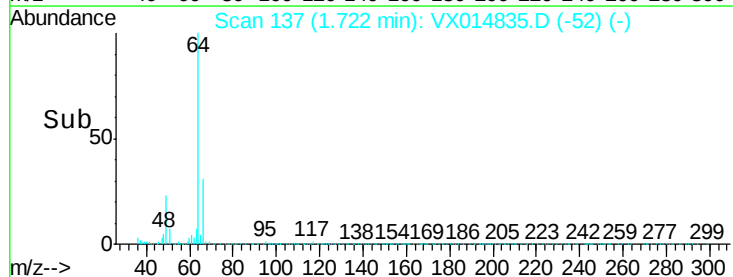
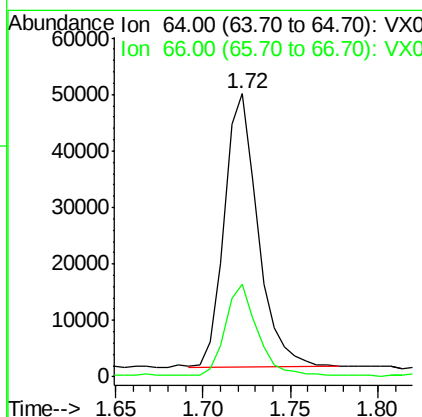
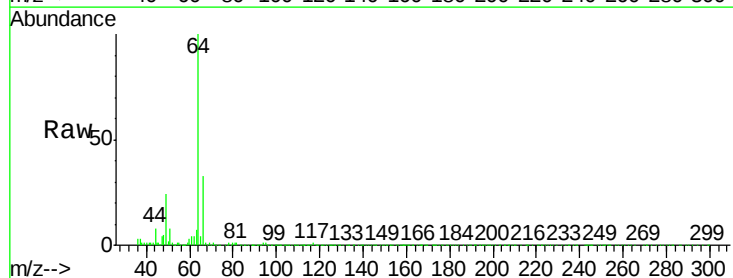
Acq: 05 Feb 2020 20:10

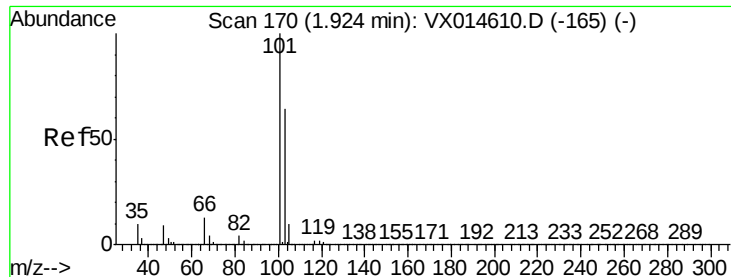
Tgt Ion: 64 Resp: 64704

Ion Ratio Lower Upper

64 100

66 33.4 25.2 37.8





#7

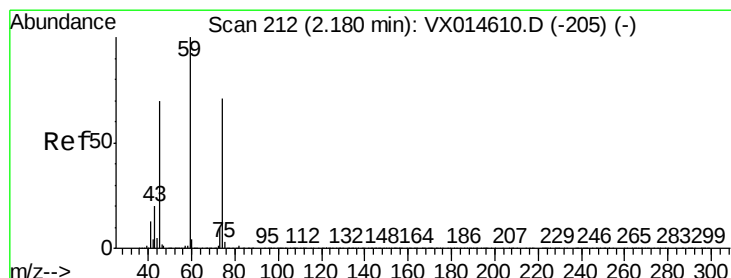
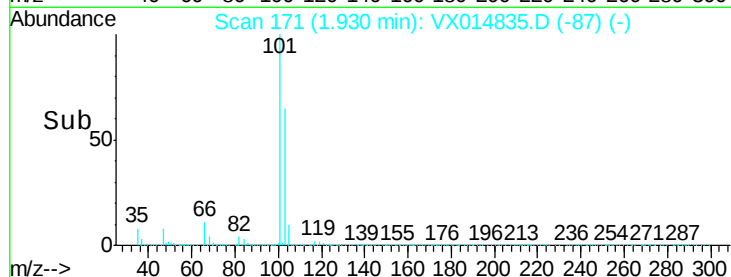
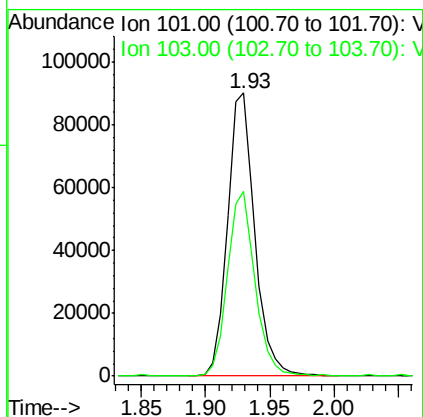
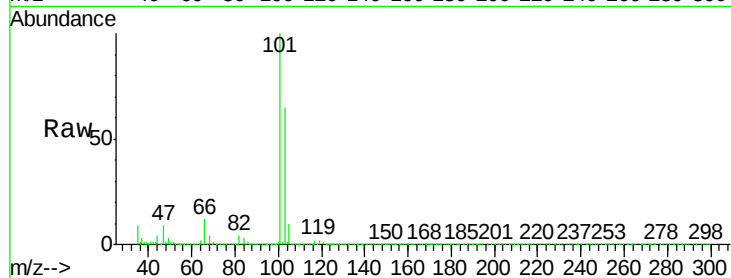
Trichlorofluoromethane
Concen: 20.020 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014835.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.6	77.4

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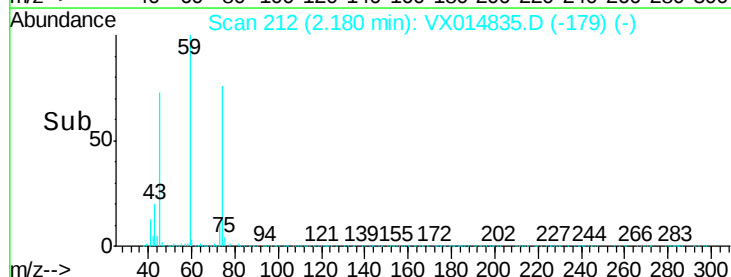
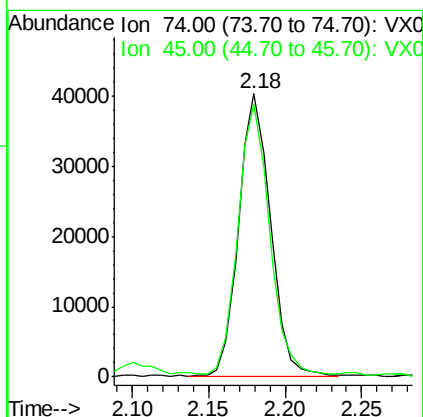
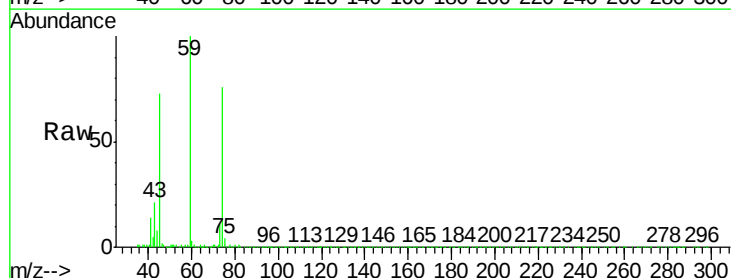
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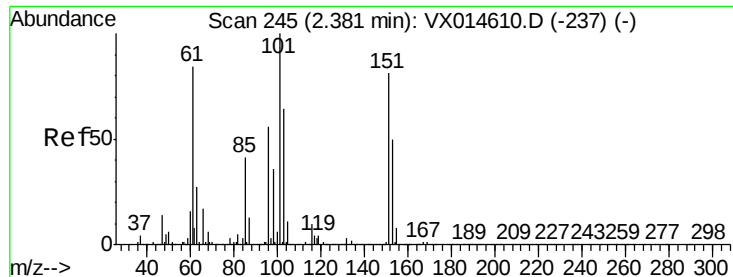


#8

Diethyl Ether
Concen: 19.751 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.727 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

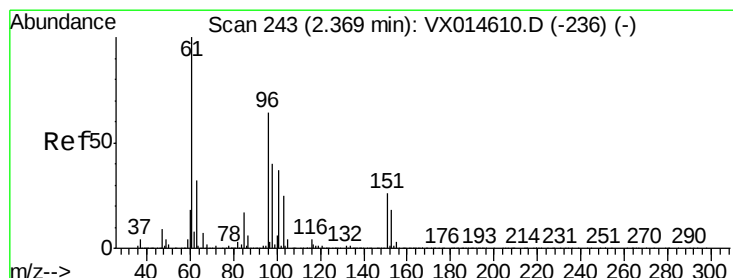
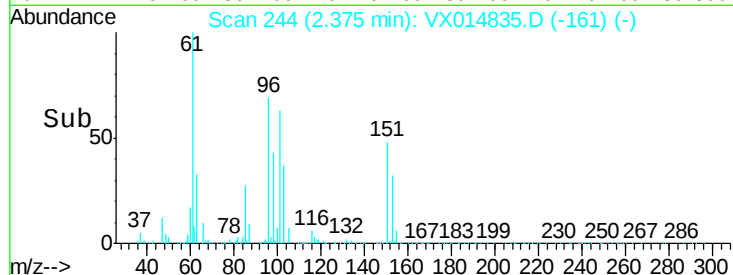
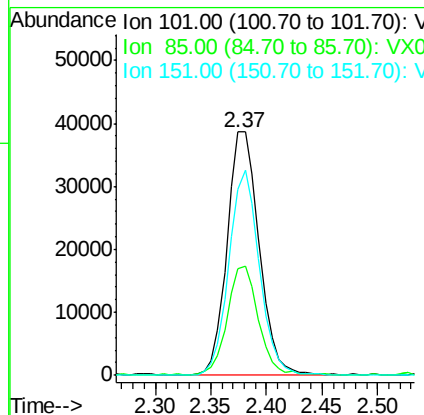
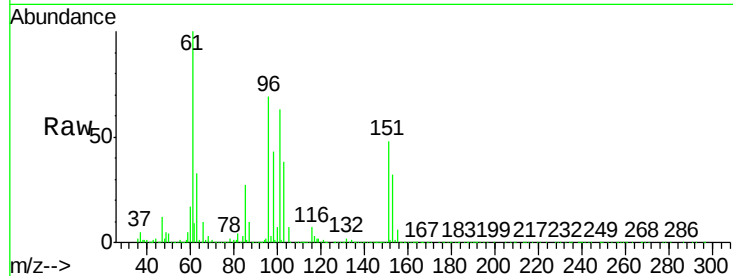
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	77274
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	85.6
151	80.1	0.0	159.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.093 ug/l

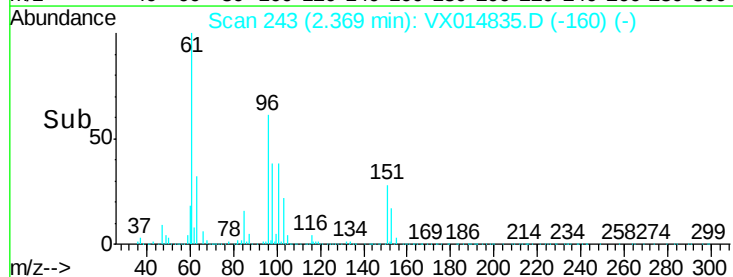
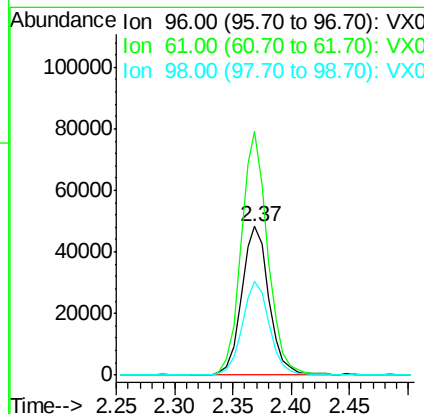
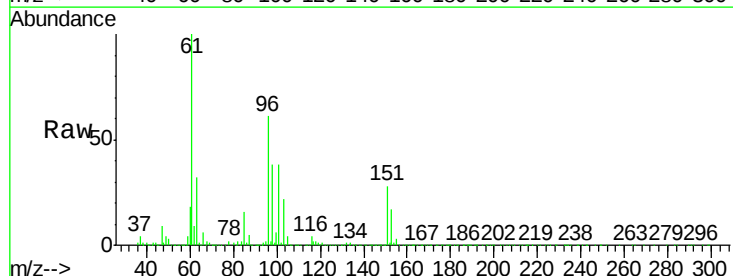
RT: 2.37 min Scan# 243

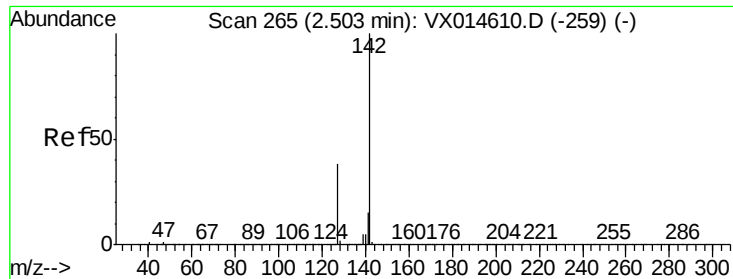
Delta R.T. 0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tgt Ion:	96	Resp:	79170
Ion Ratio	Lower	Upper	
96	100		
61	163.6	123.0	184.6
98	63.0	51.4	77.0





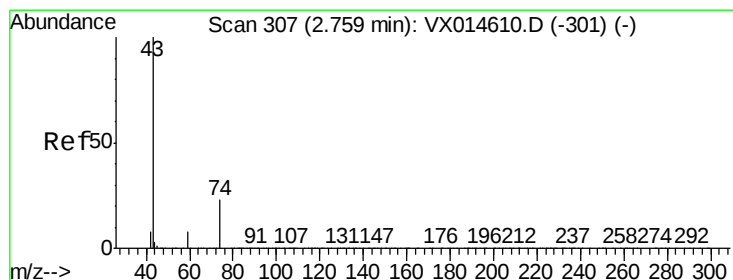
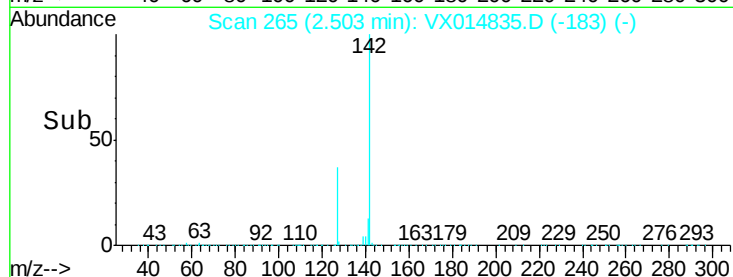
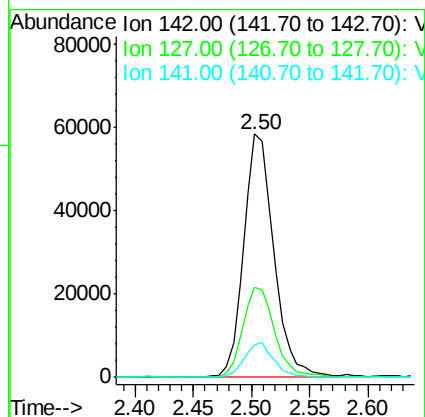
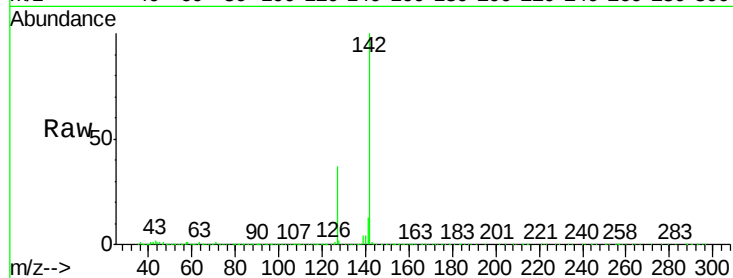
#11
Methvl Iodide
Concen: 20.040 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.7	19.5	58.5
141	12.9	7.0	20.9

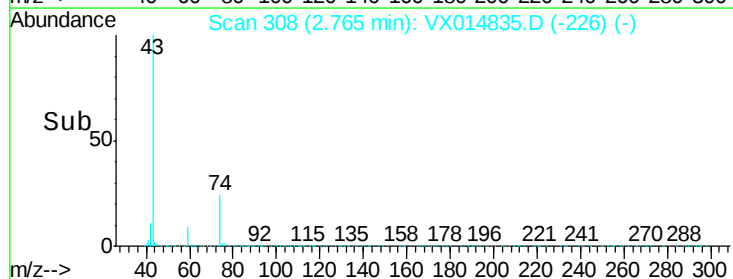
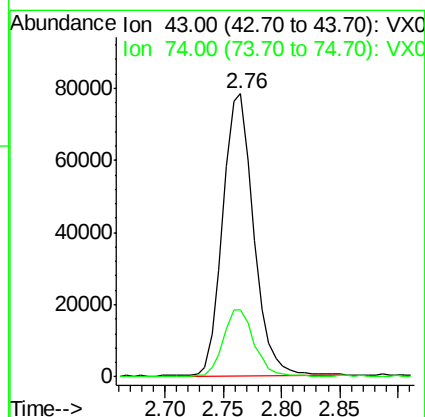
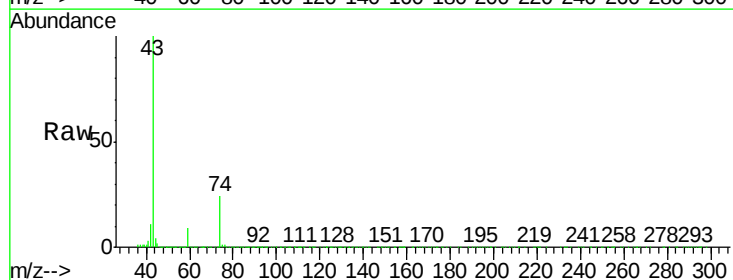
Manual Integrations
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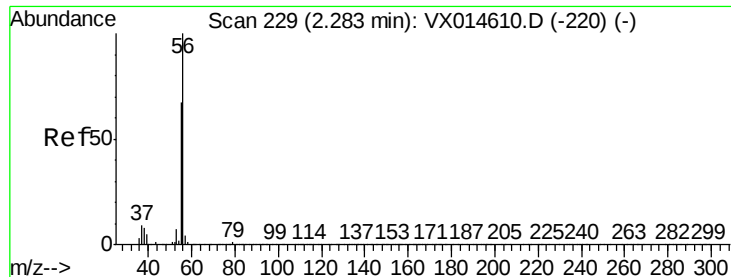
MMDadoda
2/6/2020 1:32:15 PM



#12
Methyl Acetate
Concen: 20.198 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.5	27.7





#13

Acrolein

Concen: 84.107 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 62881

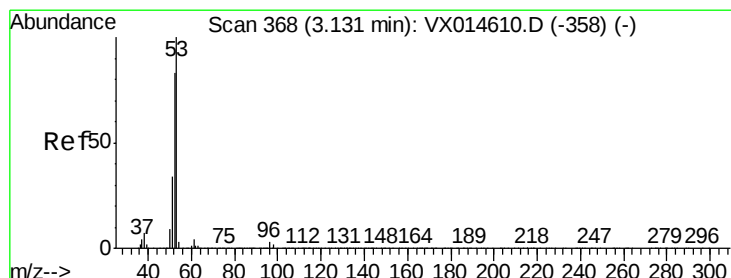
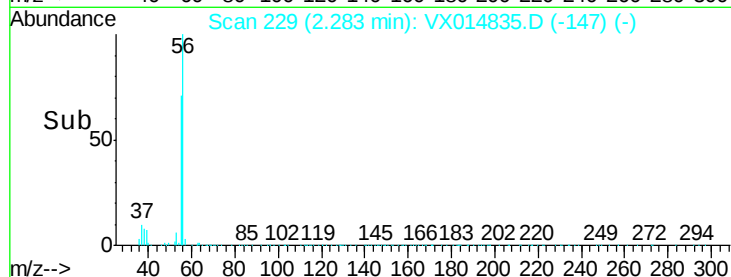
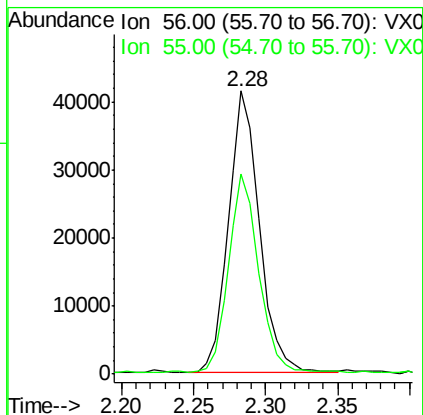
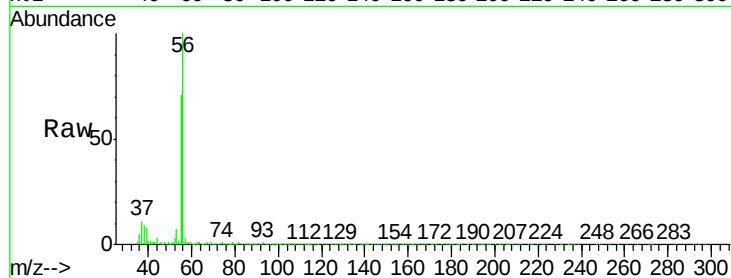
Ion Ratio Lower Upper

56 100

55 69.1 54.9 82.3

Manual Integrations
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2/6/2020 1:32:15 PM



#14

Acrylonitrile

Concen: 94.019 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

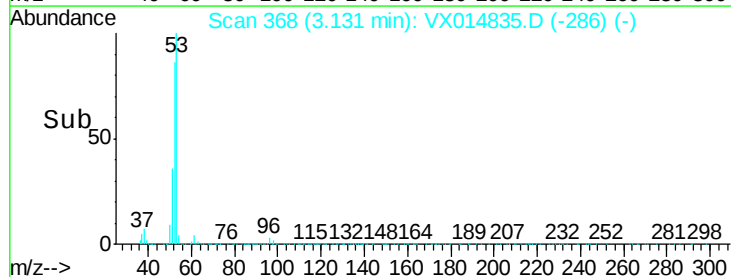
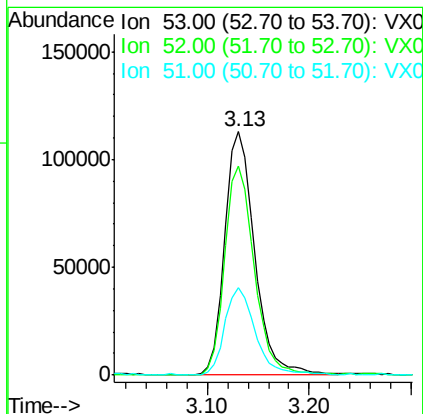
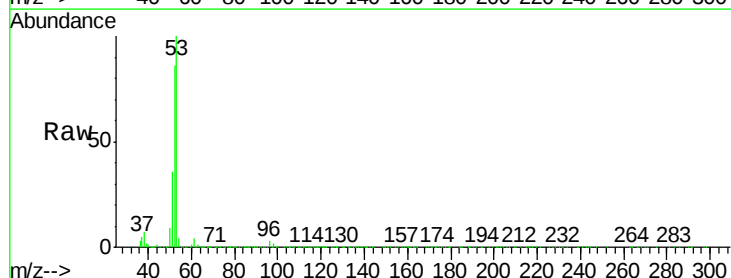
Tgt Ion: 53 Resp: 228983

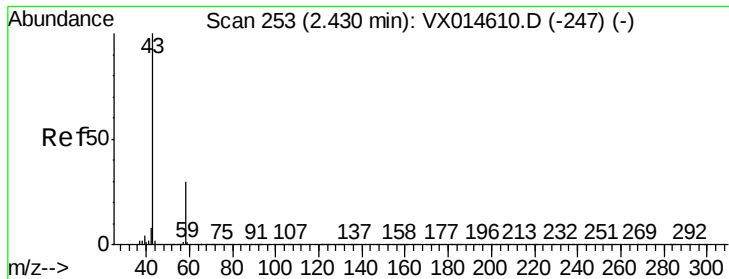
Ion Ratio Lower Upper

53 100

52 84.4 41.5 124.6

51 36.7 17.8 53.5





#15

Acetone

Concen: 91.494 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 74704

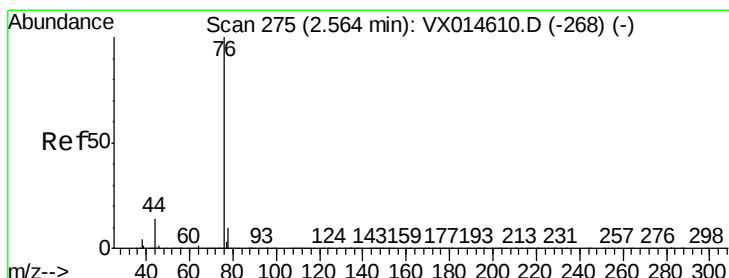
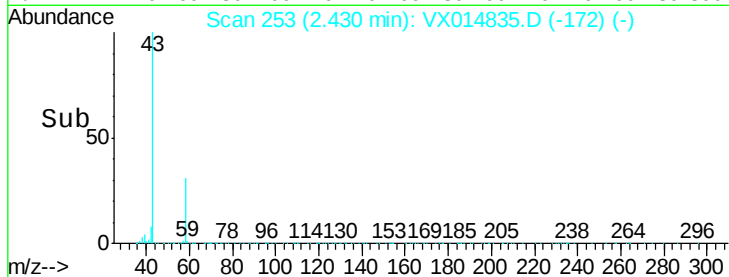
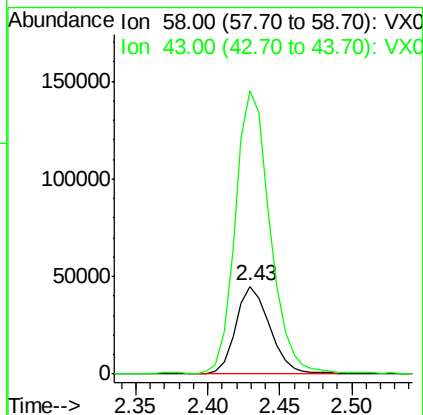
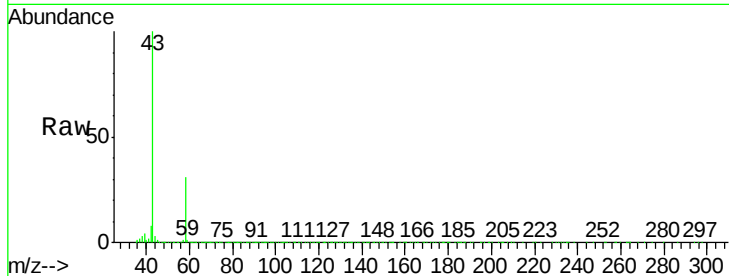
Ion Ratio Lower Upper

58 100

43 320.1 236.3 354.5

Manual Integrations
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#16

Carbon Disulfide

Concen: 18.130 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014835.D

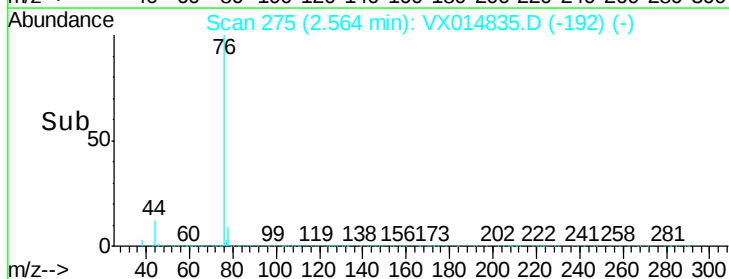
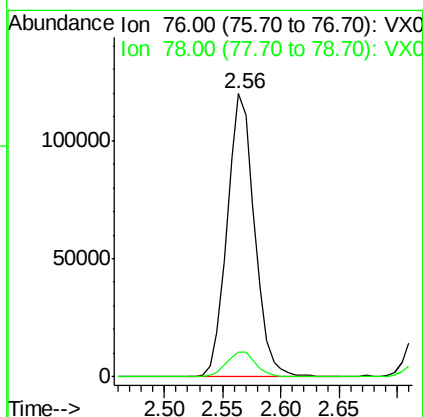
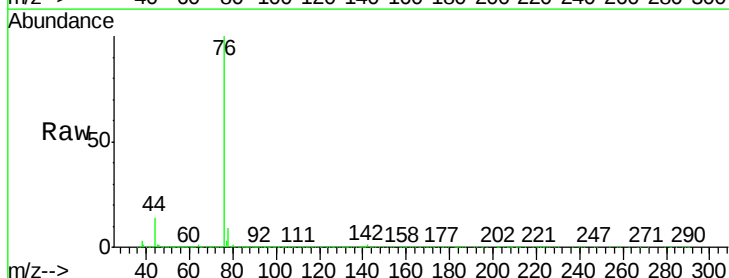
Acq: 05 Feb 2020 20:10

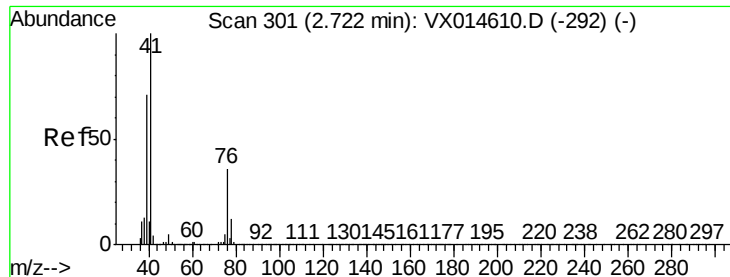
Tgt Ion: 76 Resp: 196197

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.8





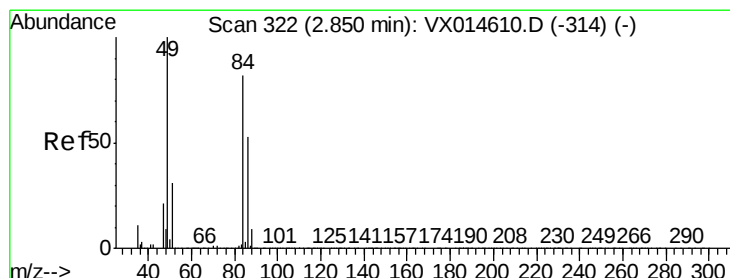
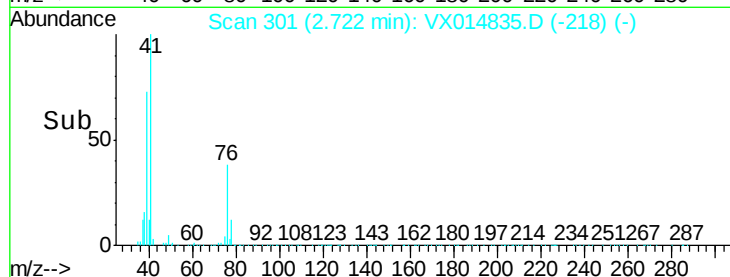
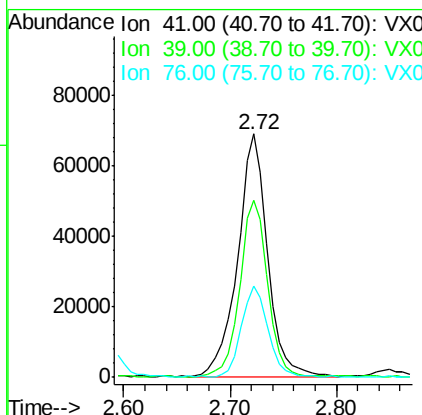
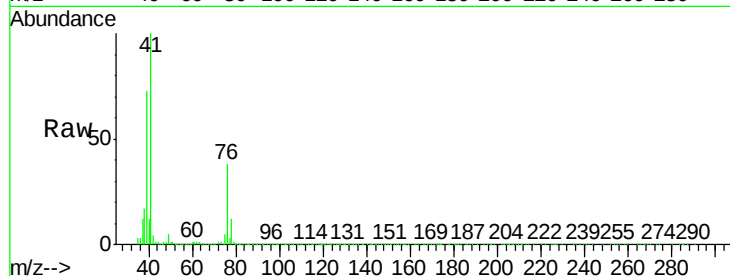
#17
Allvl chloride
Concen: 18.526 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	33.4	100.2
76	37.2	17.0	50.9

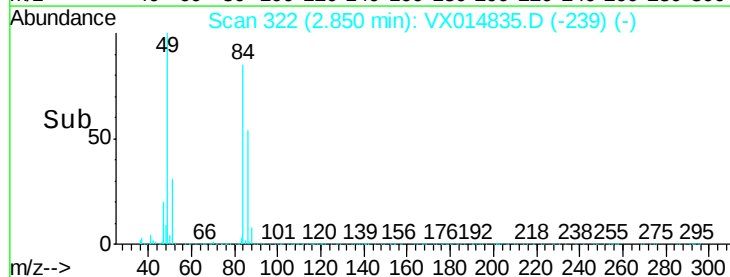
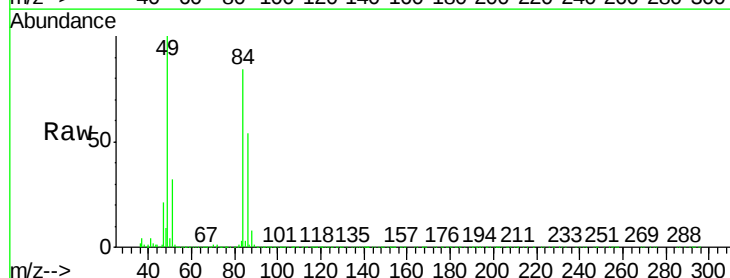
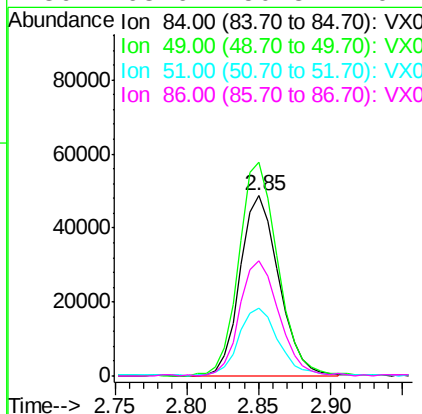
Manual Integrations
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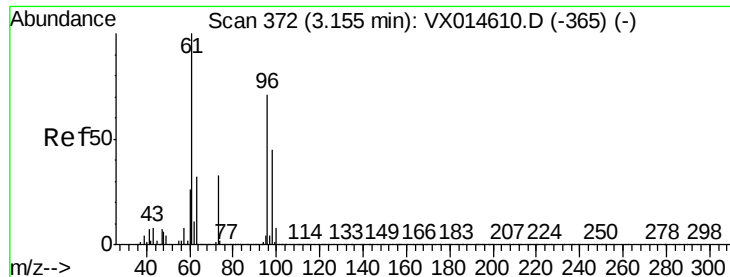
MMDadoda
2/6/2020 1:32:15 PM



#18
Methylene Chloride
Concen: 19.804 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.3	102.2	153.2
51	36.7	31.4	47.0
86	63.6	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 19.921 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

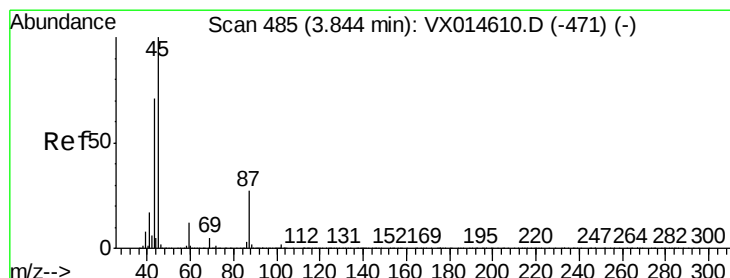
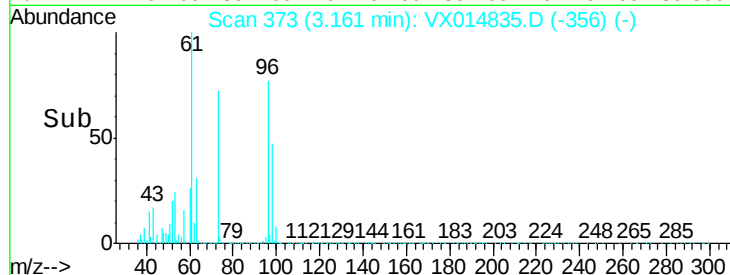
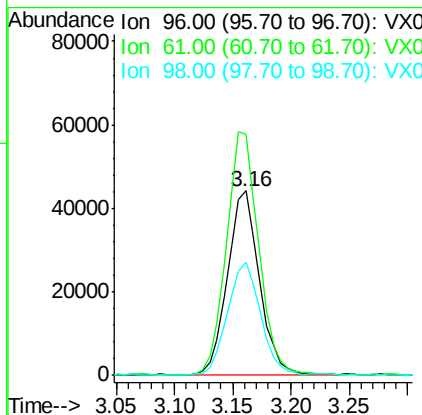
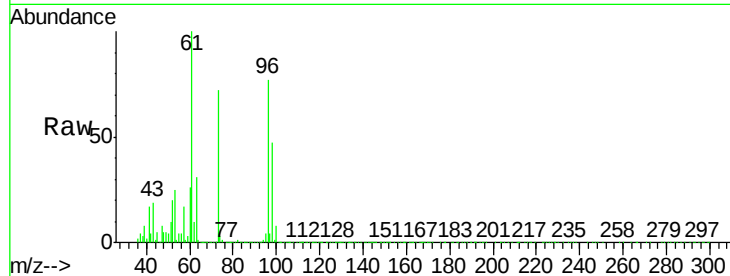
ClientSampleId :

VSTDCCC020EC

Tot Ion:	96	Resp:	84495
Ion	Ratio	Lower	Upper
96	100		
61	130.4	106.6	159.8
98	61.0	51.6	77.4

Manual Integrations
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2/6/2020 1:32:15 PM



#20

Diisopropyl ether

Concen: 19.690 ug/l

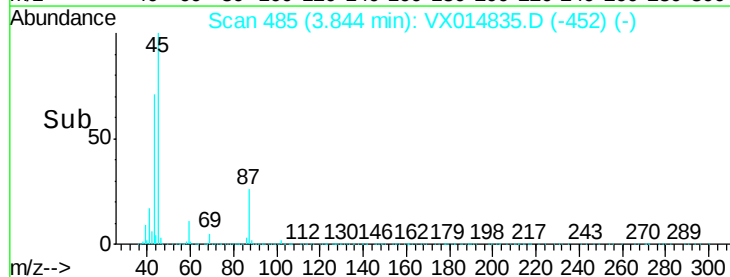
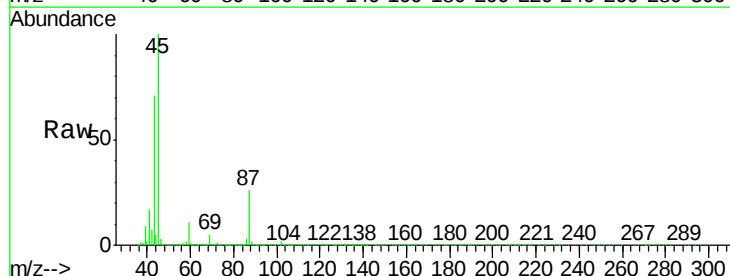
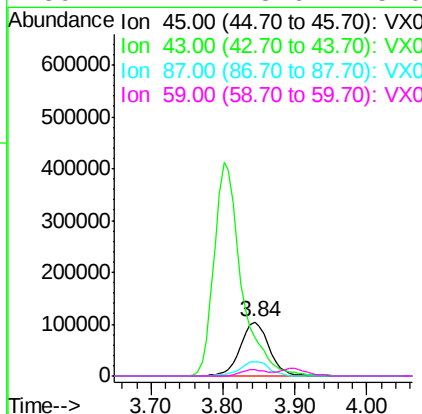
RT: 3.84 min Scan# 485

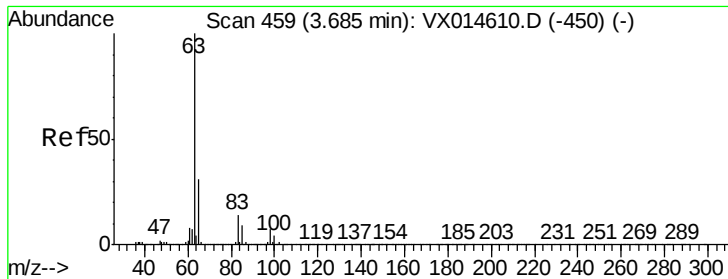
Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tgt Ion:	45	Resp:	284079
Ion	Ratio	Lower	Upper
45	100		
43	71.1	55.9	83.9
87	26.4	22.2	33.2
59	11.1	8.6	13.0





#21

1,1-Dichloroethane

Concen: 19.507 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

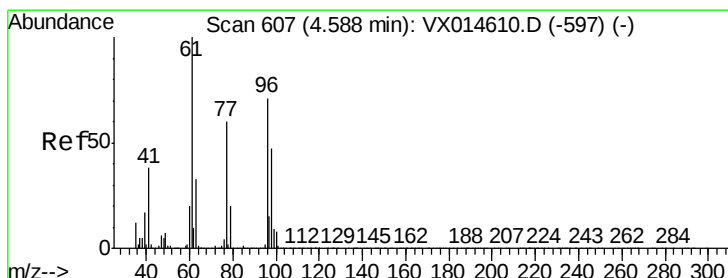
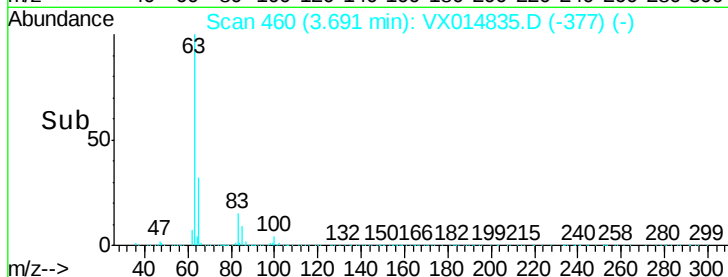
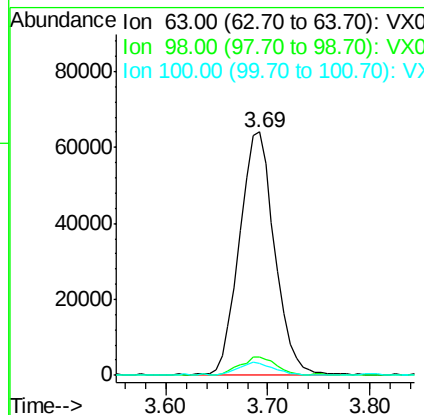
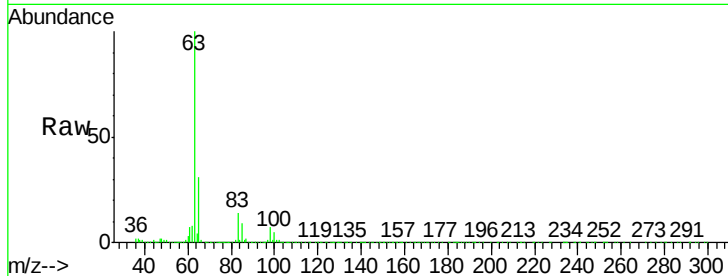
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	152888
Ion Ratio	Lower	Upper	
63	100		
98	7.2	3.4	10.1
100	4.5	2.5	7.4

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#22

cis-1,2-Dichloroethene

Concen: 19.932 ug/l

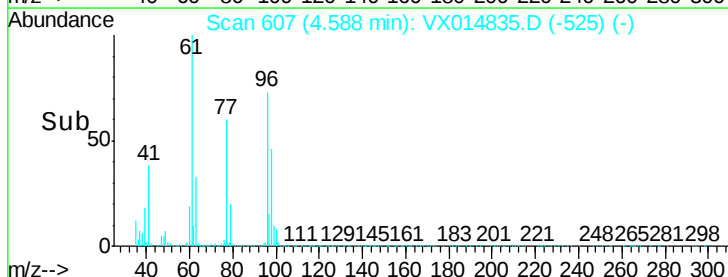
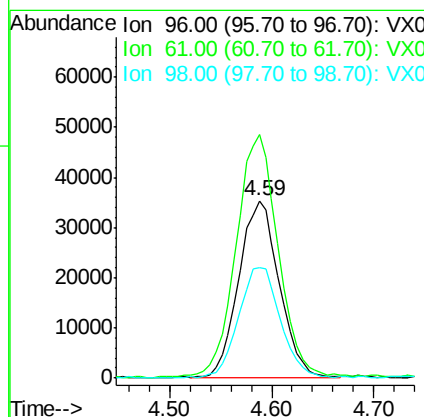
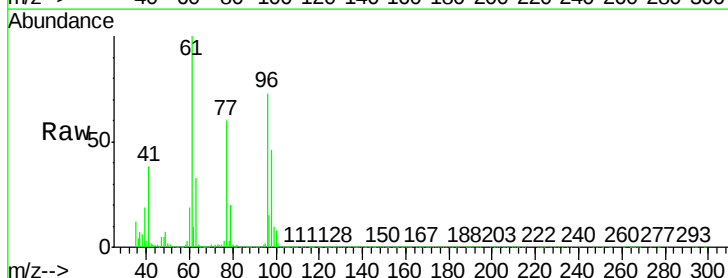
RT: 4.59 min Scan# 607

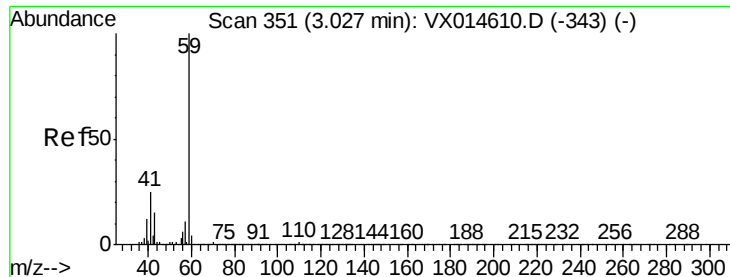
Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tgt Ion:	96	Resp:	97151
Ion Ratio	Lower	Upper	
96	100		
61	142.1	112.4	168.6
98	64.5	50.3	75.5





#23

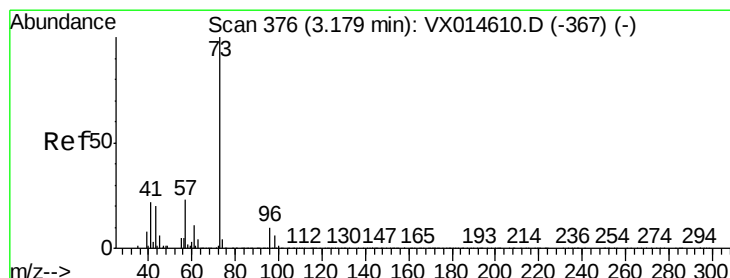
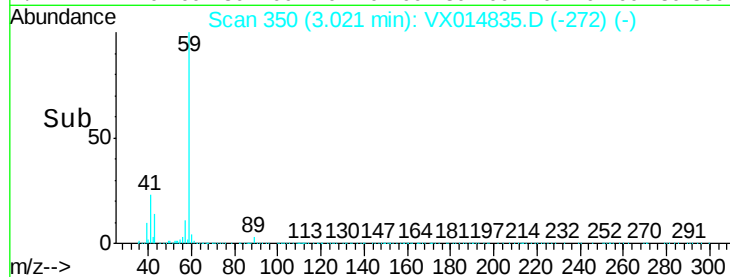
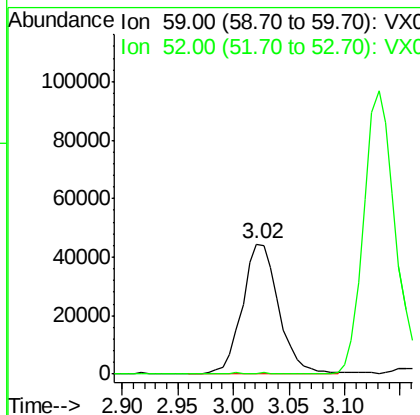
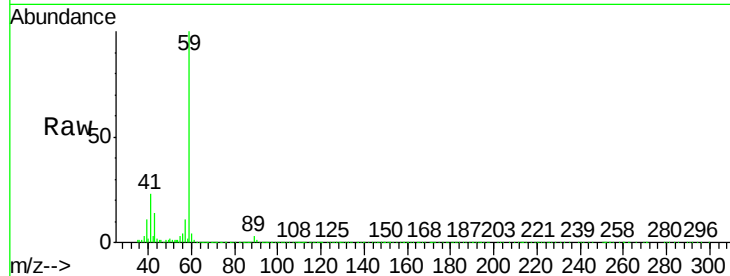
tert-Butyl Alcohol
Concen: 99.146 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.2	0.2#

Manual Integrations
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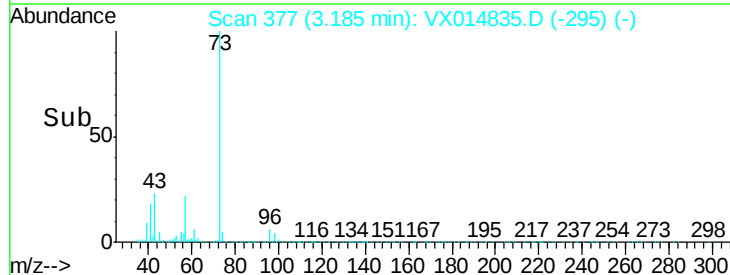
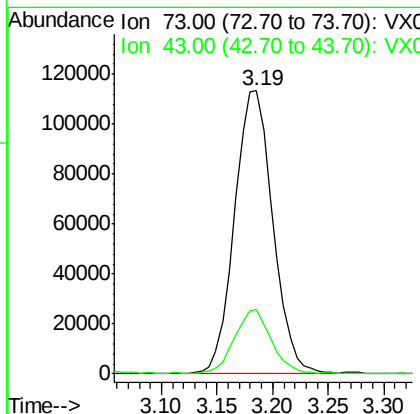
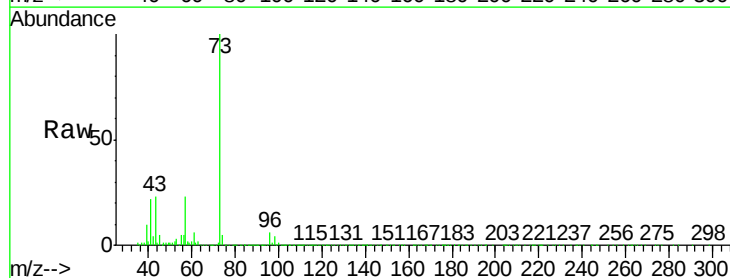
MMDadoda
2/6/2020 1:32:15 PM

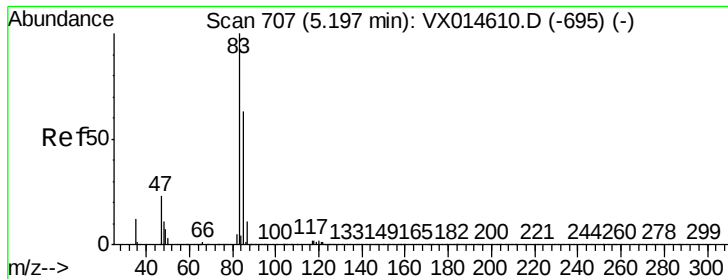


#24

Methyl tert-Butyl Ether
Concen: 20.544 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.5	16.6	25.0





#25

Chloroform

Concen: 20.013 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 151947

Ion Ratio Lower Upper

83 100

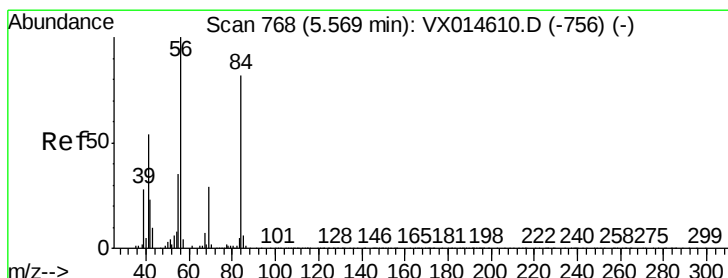
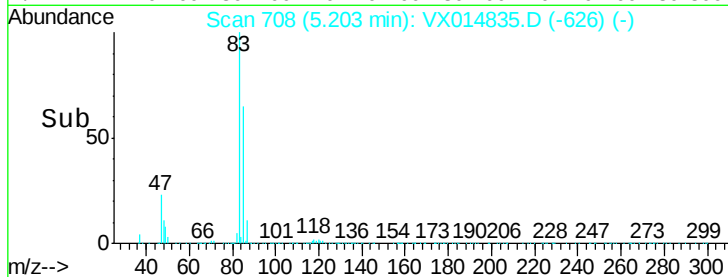
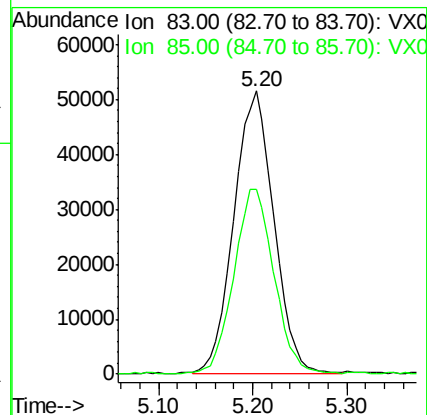
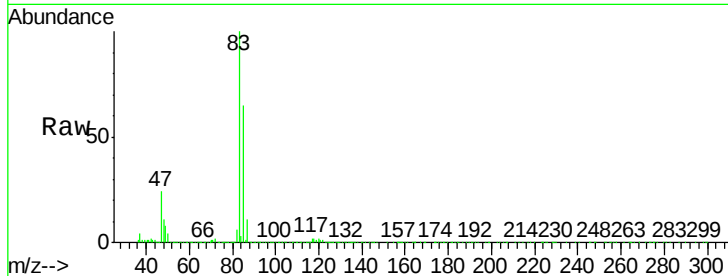
85 65.2 52.7 79.1

Manual Integrations

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2/6/2020 1:32:15 PM



#26

Cyclohexane

Concen: 18.682 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

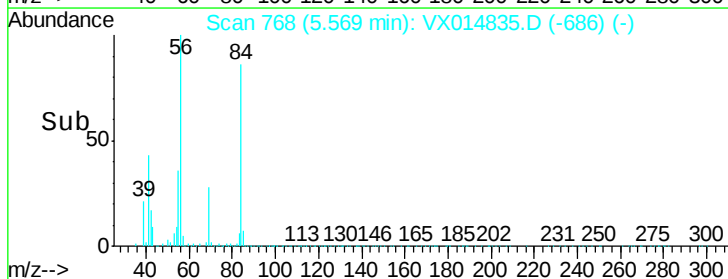
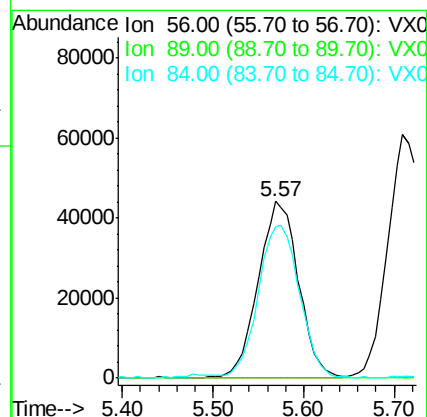
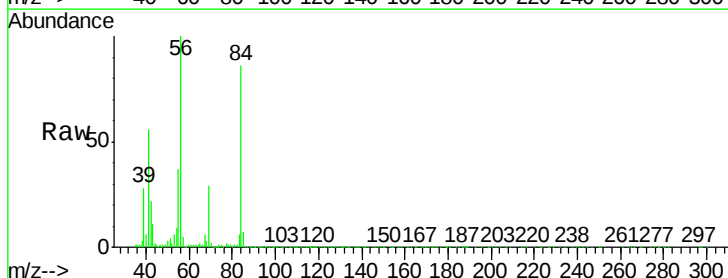
Tgt Ion: 56 Resp: 135063

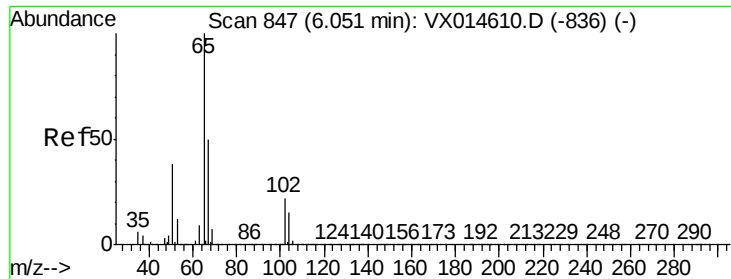
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1#

84 88.8 70.8 106.2





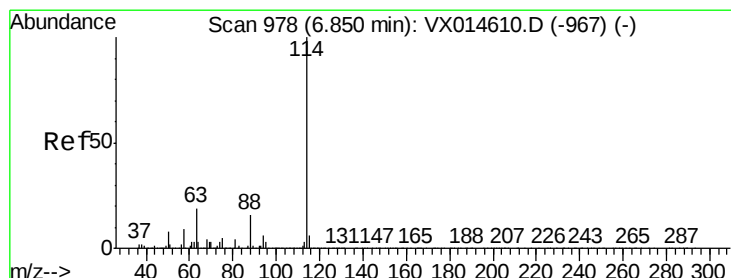
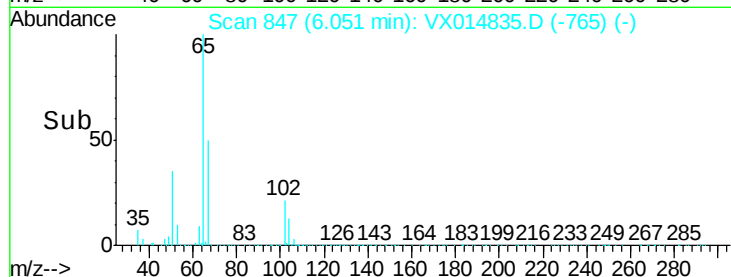
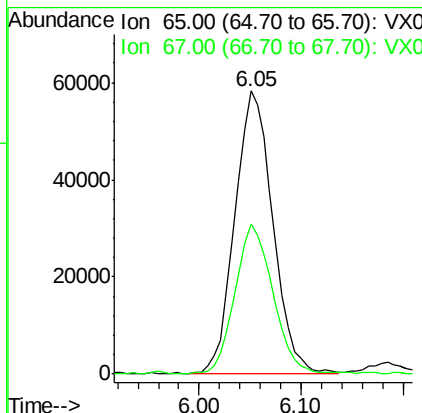
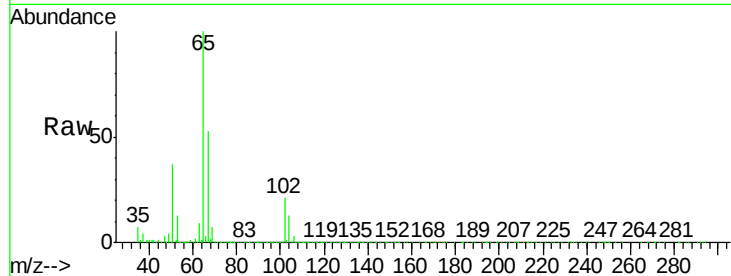
#27
 1,2-Dichloroethane-d4
 Concen: 30.040 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	43.1	64.7

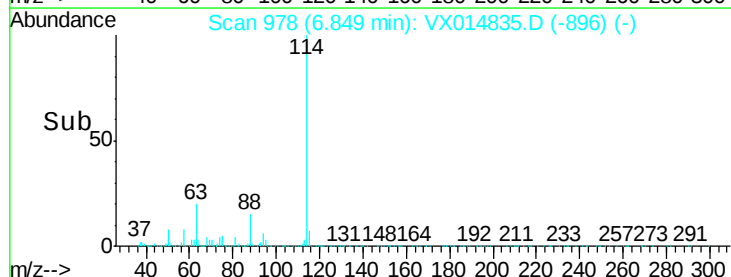
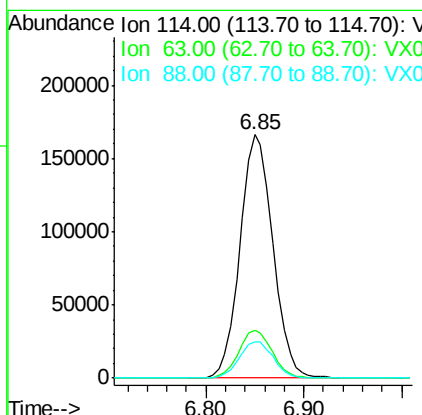
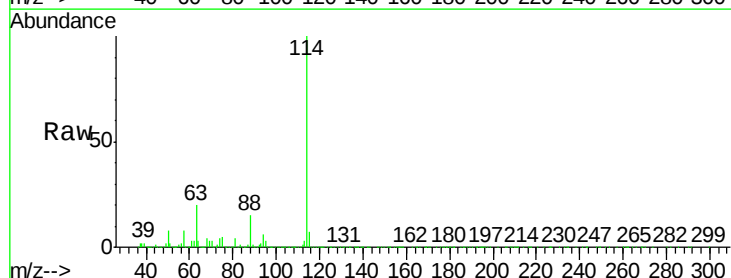
Manual Integrations
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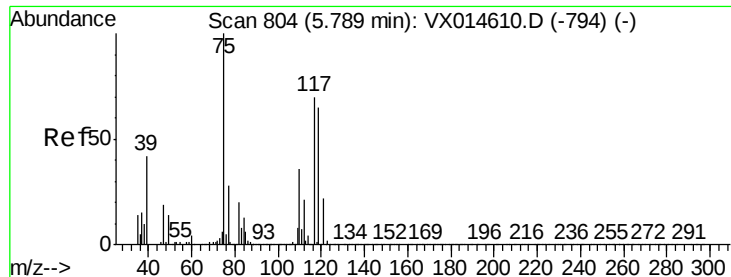
MMDadoda
 2/6/2020 1:32:15 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.1	24.1
88	15.5	12.5	18.7





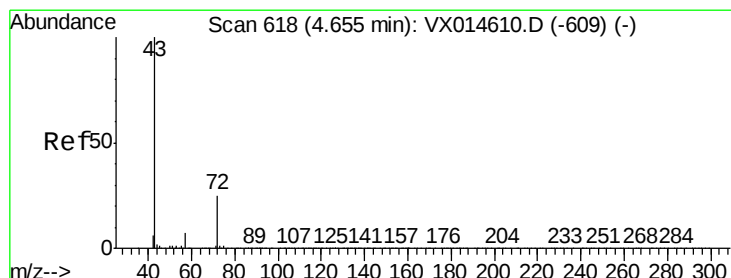
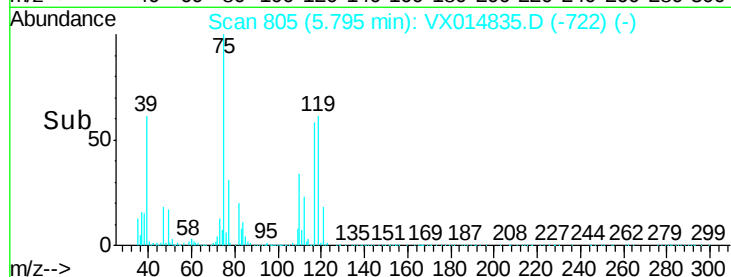
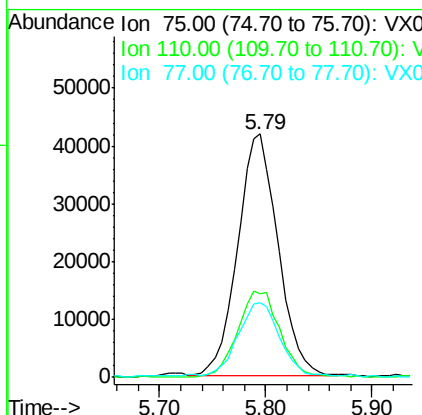
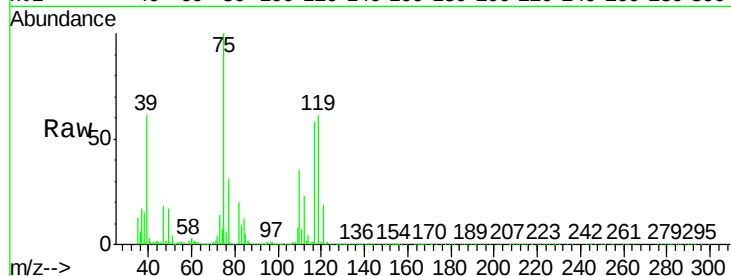
#29
 1,1-Dichloropropene
 Concen: 19.469 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	110460
Ion Ratio	Lower	Upper	
75	100		
110	38.0	0.0	73.8
77	31.4	0.0	62.4

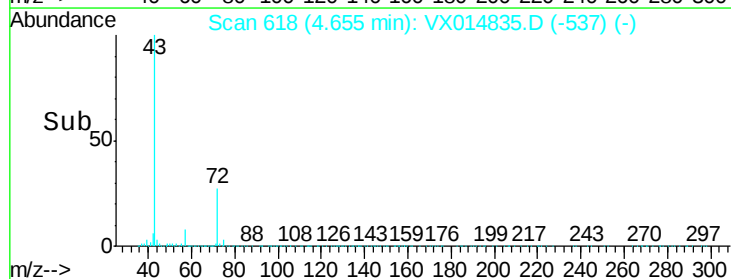
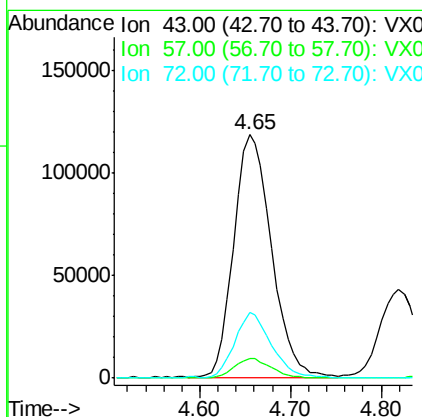
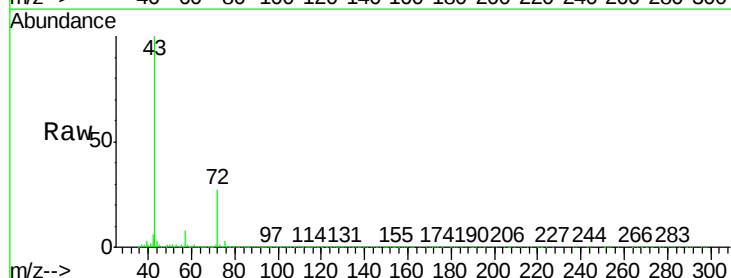
Manual Integrations
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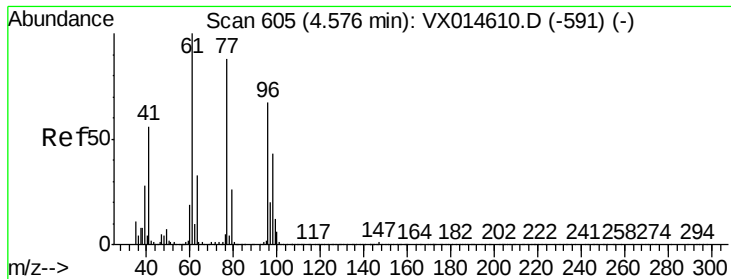
MMDadoda
 2/6/2020 1:32:15 PM



#30
 2-Butanone
 Concen: 94.688 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Tgt Ion:	43	Resp:	340310
Ion Ratio	Lower	Upper	
43	100		
57	7.7	6.2	9.2
72	25.6	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.501 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tot Ion: 77 Resp: 118388

Ion Ratio Lower Upper

77 100

97 23.5 19.7 29.5

Instrument :

MSVOA_X

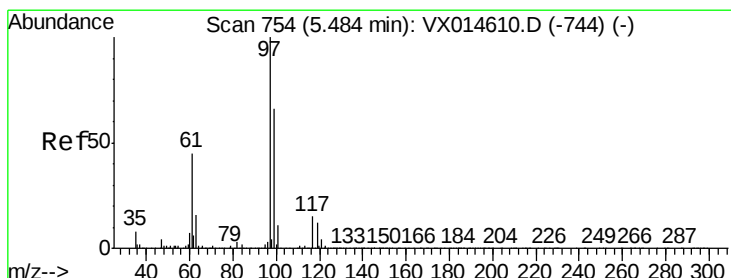
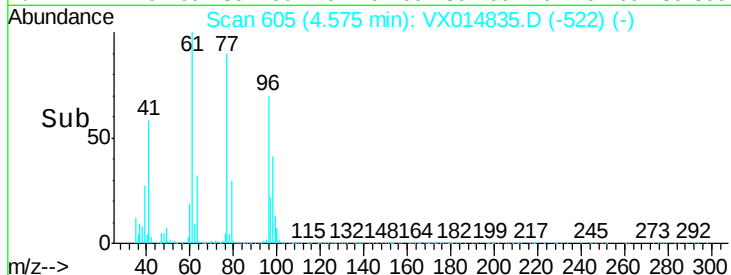
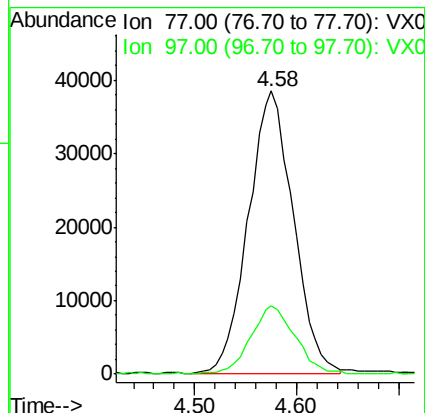
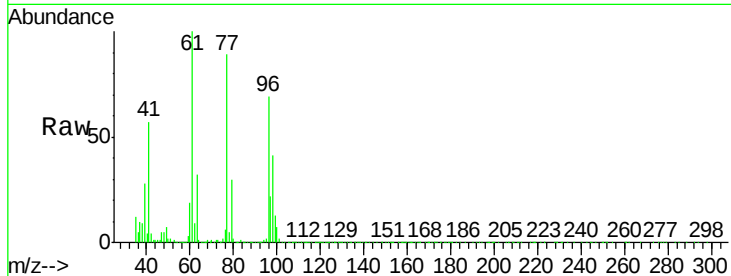
ClientSampleId :

VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda

2/6/2020 1:32:15 PM



#32

1,1,1-Trichloroethane

Concen: 20.618 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

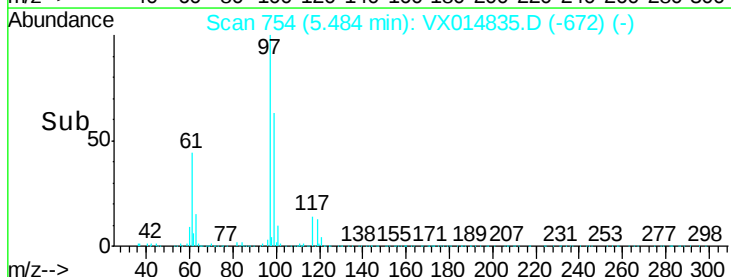
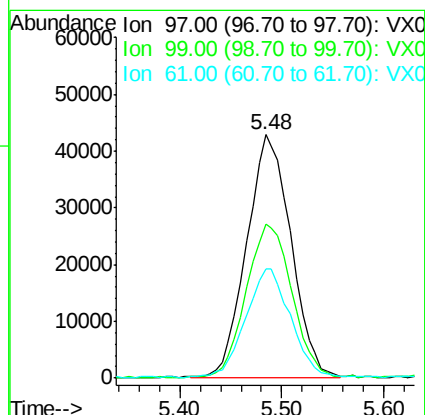
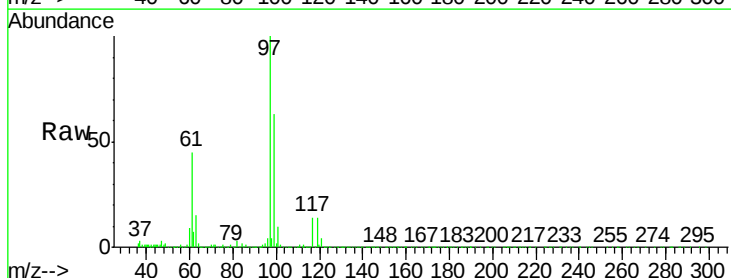
Tgt Ion: 97 Resp: 129415

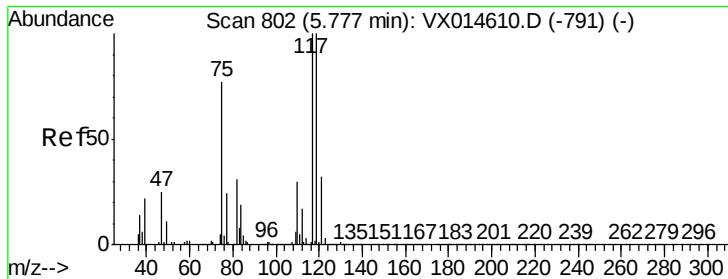
Ion Ratio Lower Upper

97 100

99 65.4 51.9 77.9

61 43.7 36.8 55.2





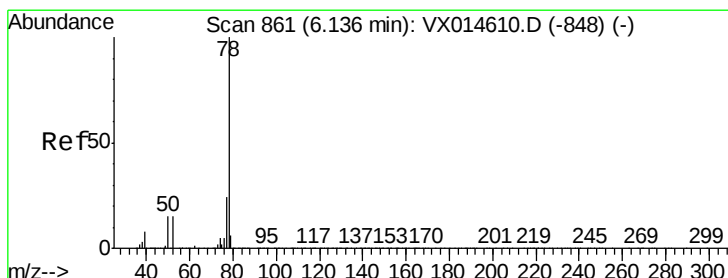
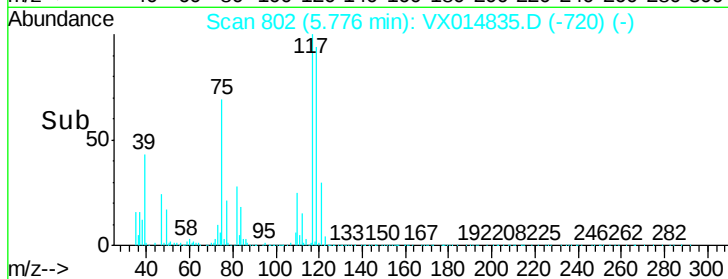
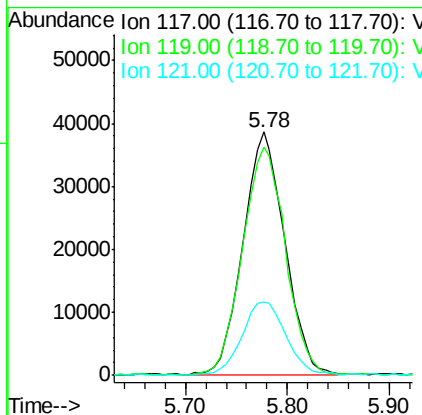
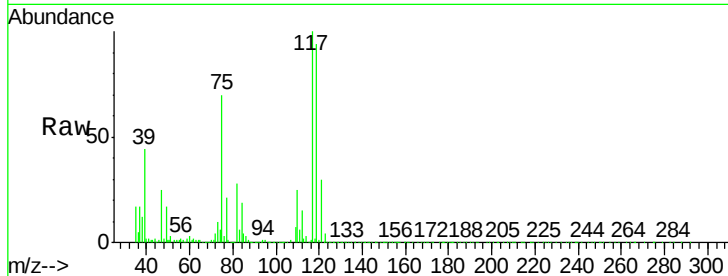
#33
Carbon Tetrachloride
Concen: 20.387 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		109859		
119	93.7	77.2	115.8		
121	30.0	24.8	37.2		

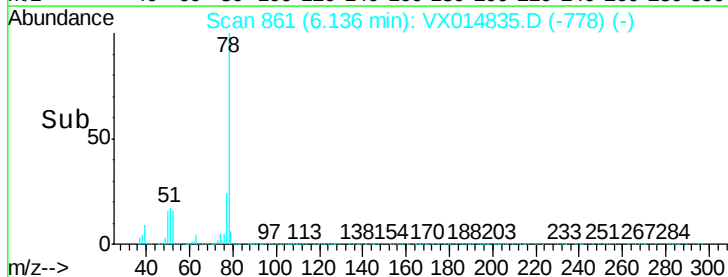
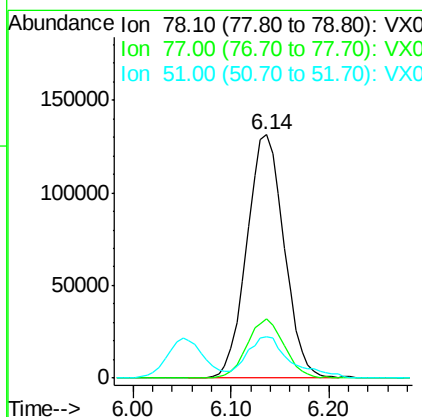
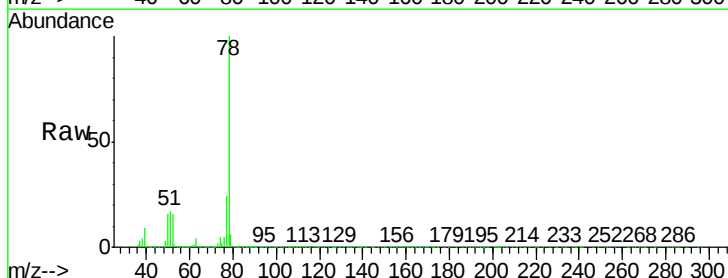
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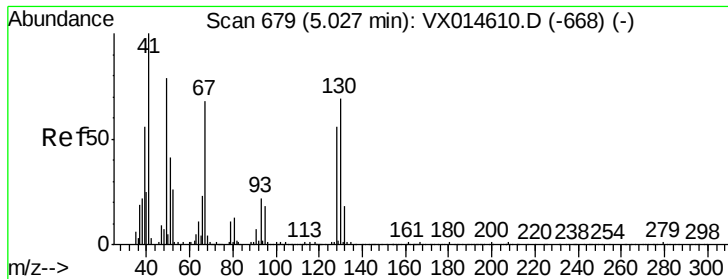
MMDadoda
2/6/2020 1:32:15 PM



#34
Benzene
Concen: 19.797 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		347086		
77	24.1	18.2	27.2		
51	15.5	12.4	18.6		





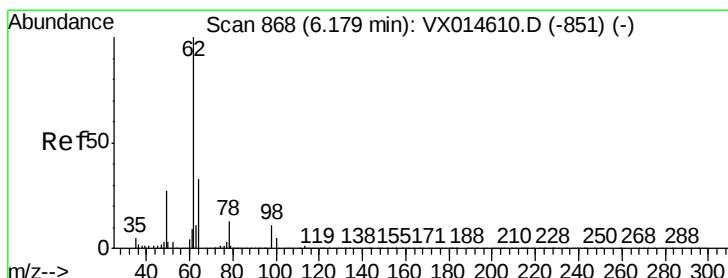
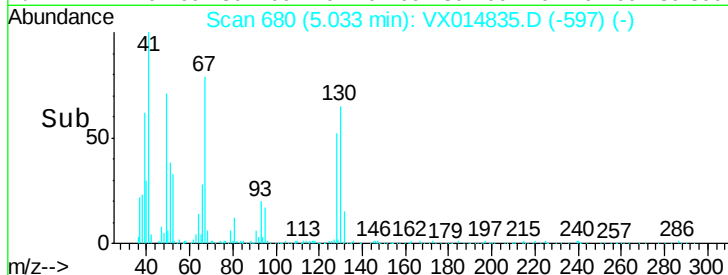
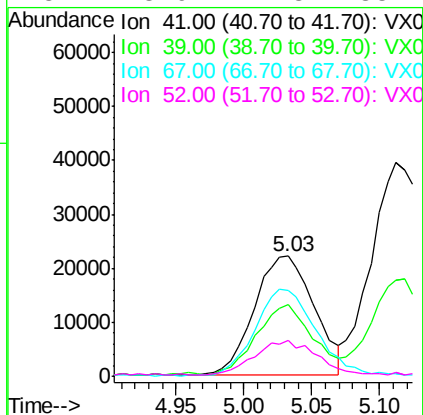
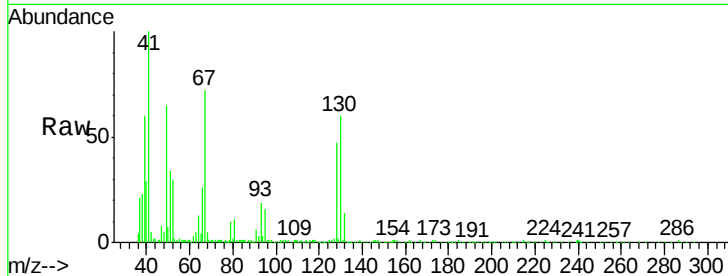
#35
Methacrylonitrile
Concen: 18.817 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.3	26.7	80.1
67	72.6	31.5	94.5
52	28.9	12.8	38.4

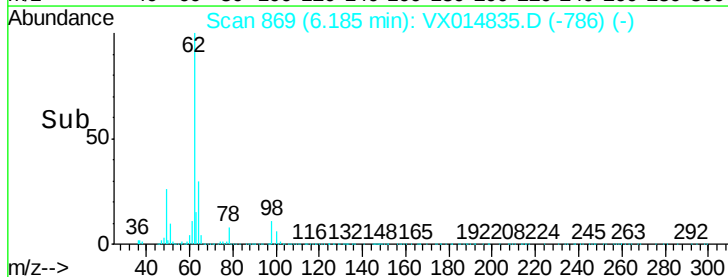
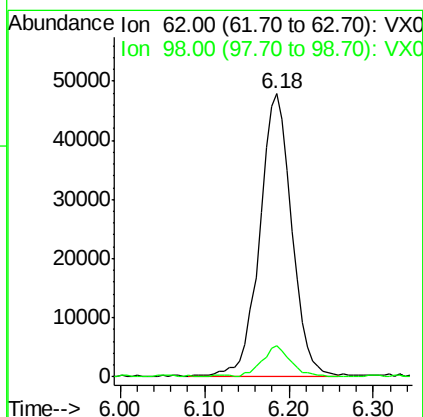
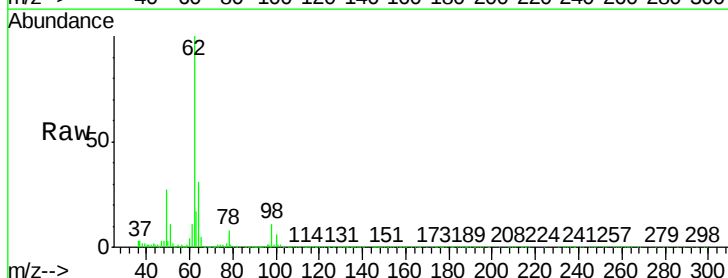
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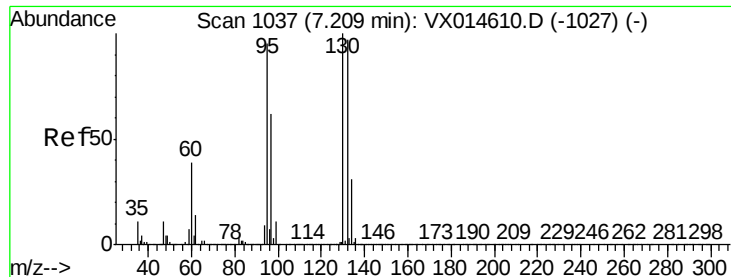
MMDadoda
2/6/2020 1:32:15 PM



#36
1,2-Dichloroethane
Concen: 20.641 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.4	12.6





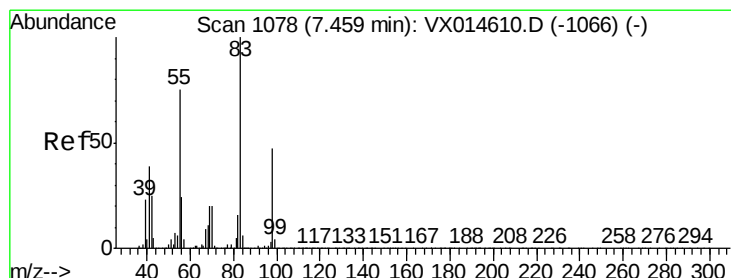
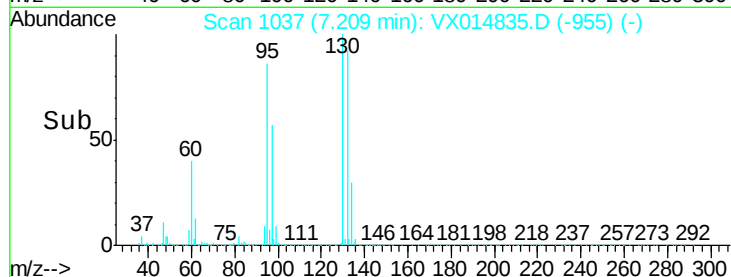
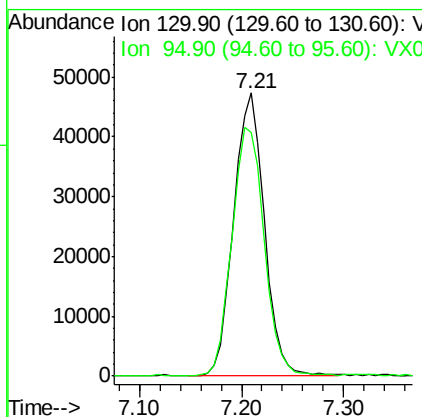
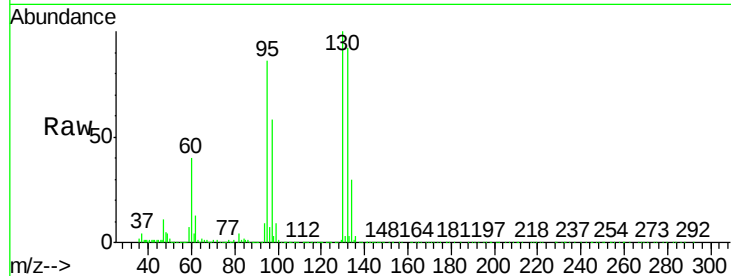
#37
 Trichloroethene
 Concen: 20.600 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 98887
 Ion Ratio Lower Upper
 130 100
 95 85.6 71.7 107.5

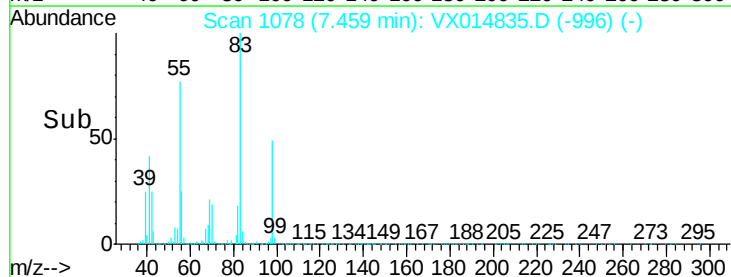
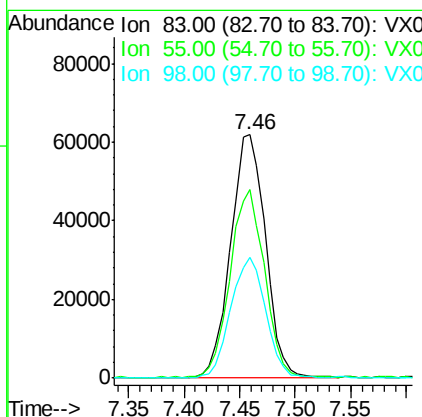
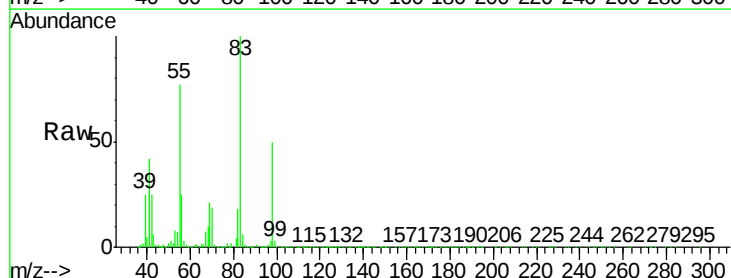
Manual Integrations
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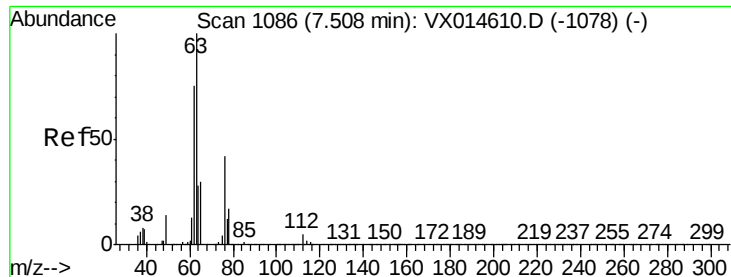
MMDadoda
 2/6/2020 1:32:15 PM



#38
 Methylcyclohexane
 Concen: 18.918 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Tgt Ion: 83 Resp: 133642
 Ion Ratio Lower Upper
 83 100
 55 76.0 39.4 118.1
 98 50.1 25.1 75.3





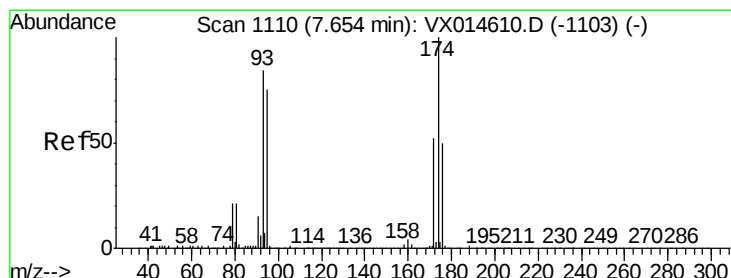
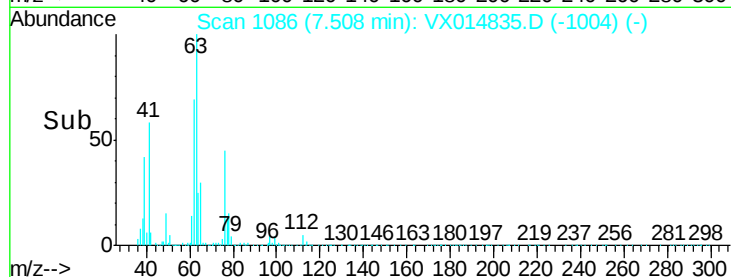
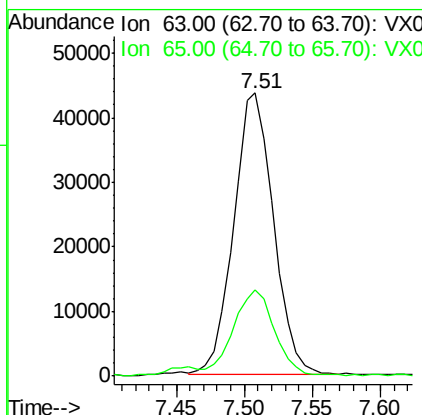
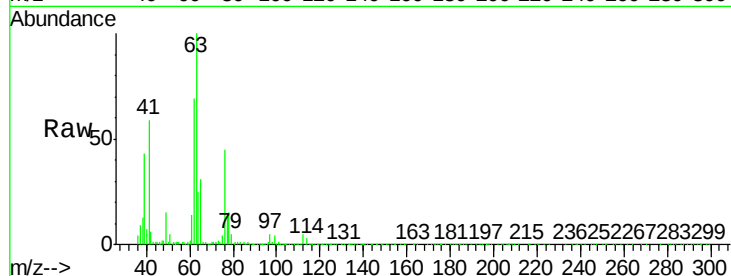
#39
 1,2-Dichloropropane
 Concen: 19.337 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	22.1	33.1

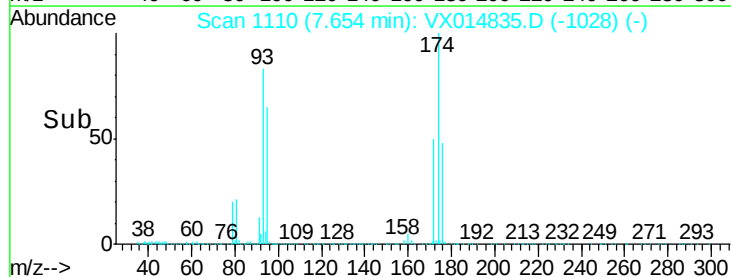
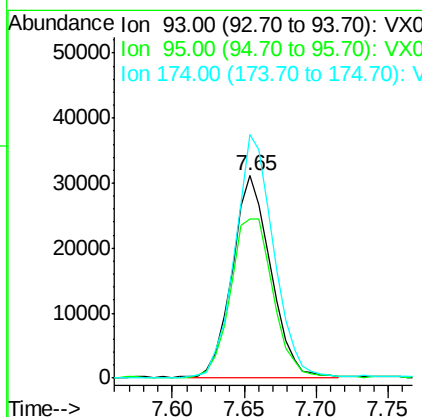
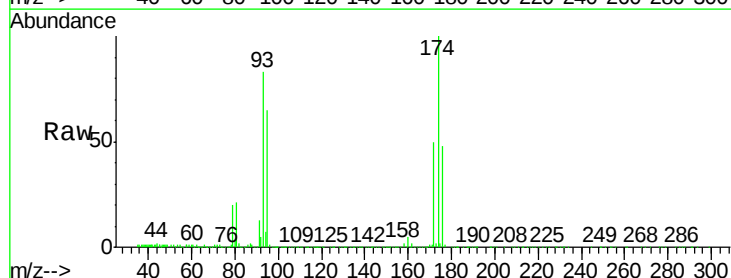
Manual Integrations
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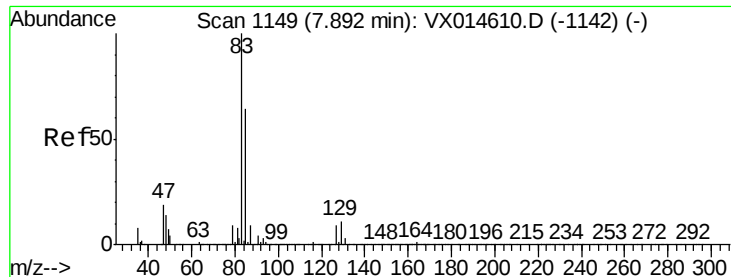
MMDadoda
 2/6/2020 1:32:15 PM



#40
 Dibromomethane
 Concen: 19.680 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.5	0.0	164.4
174	122.3	0.0	228.8





#41

Bromodichloromethane

Concen: 20.073 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

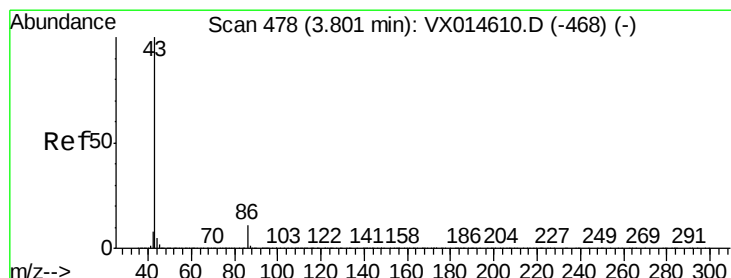
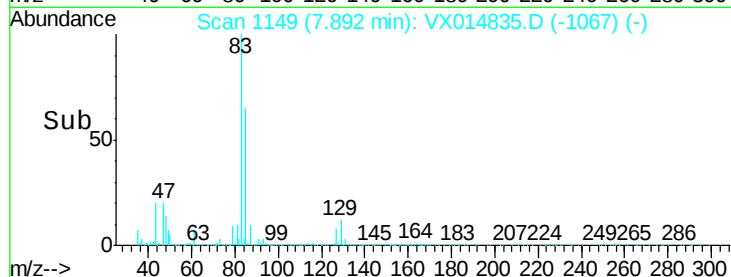
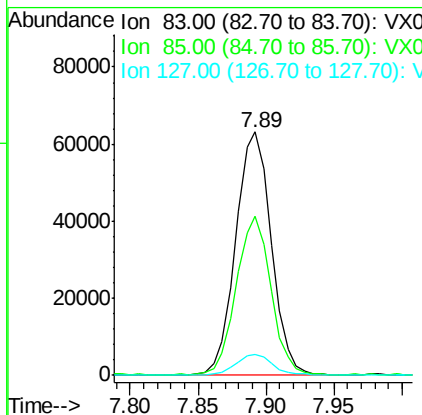
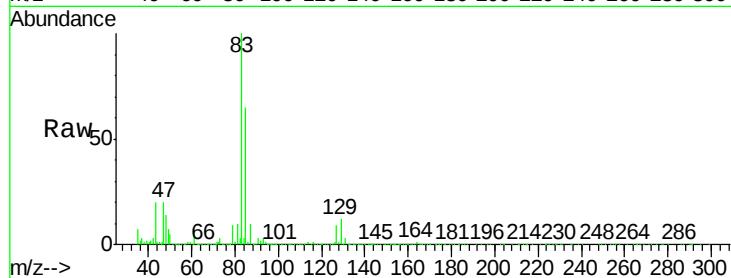
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	115172
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.6	77.4
127	8.4	6.0	9.0

Manual Integrations
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MMDadoda
2/6/2020 1:32:15 PM



#42

Vinyl Acetate

Concen: 97.721 ug/l

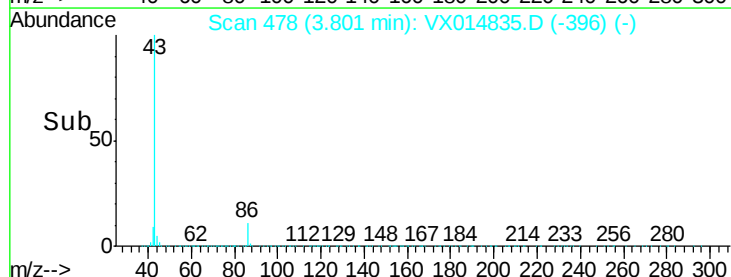
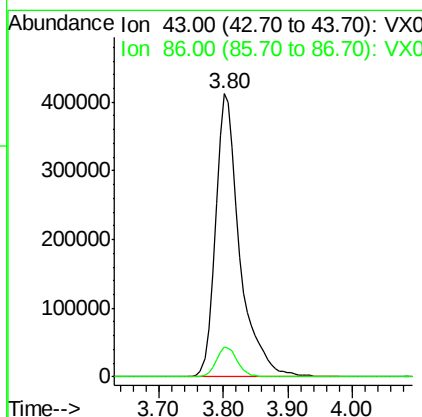
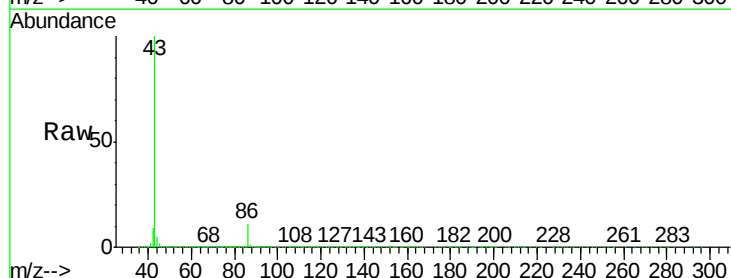
RT: 3.80 min Scan# 478

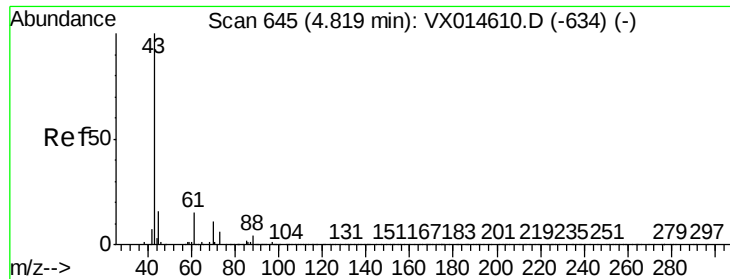
Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tgt Ion:	43	Resp:	1082502
Ion Ratio	Lower	Upper	
43	100		
86	9.2	7.7	11.5





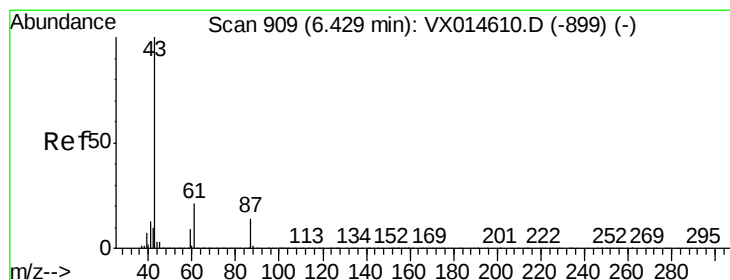
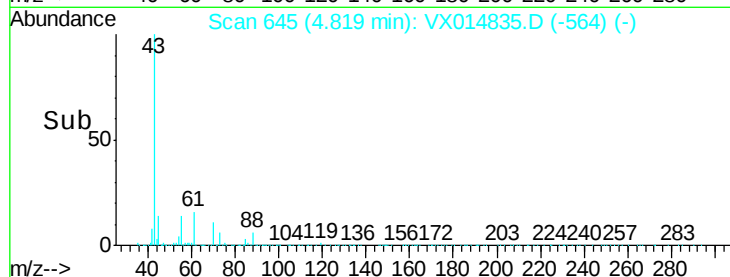
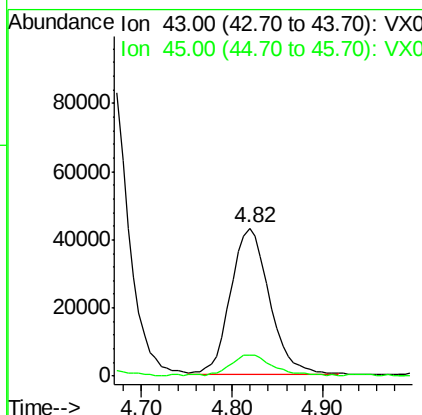
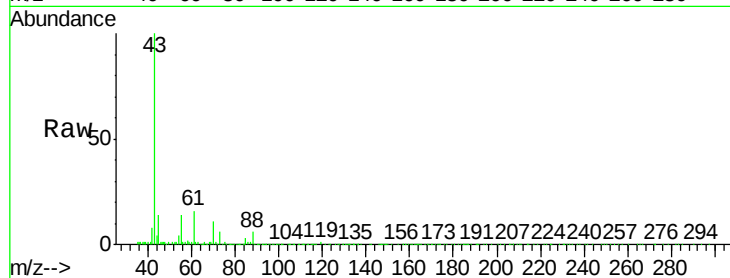
#43
Ethyl Acetate
Concen: 19.738 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	13.9	11.8	17.8

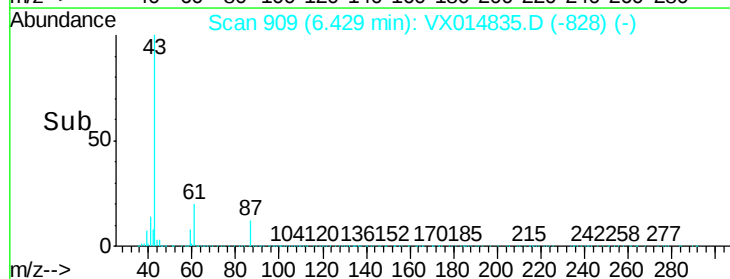
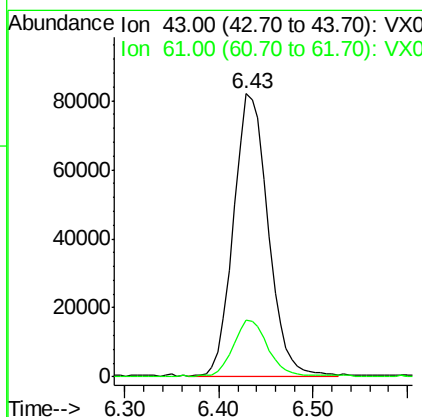
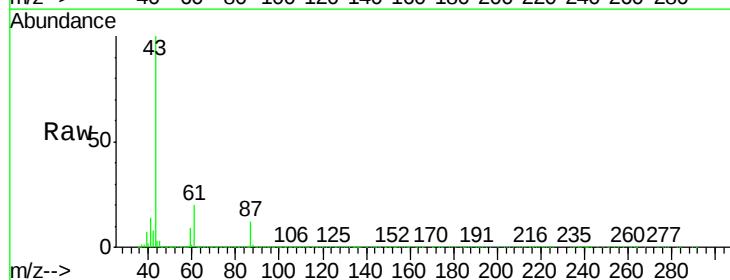
Manual Integrations
APPROVED

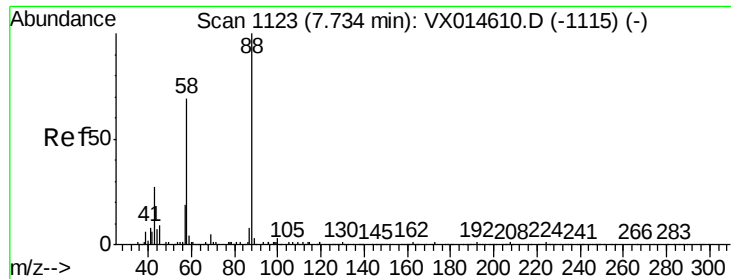
MMDadoda
2/6/2020 1:32:15 PM



#44
Isopropyl Acetate
Concen: 19.827 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.9	23.9





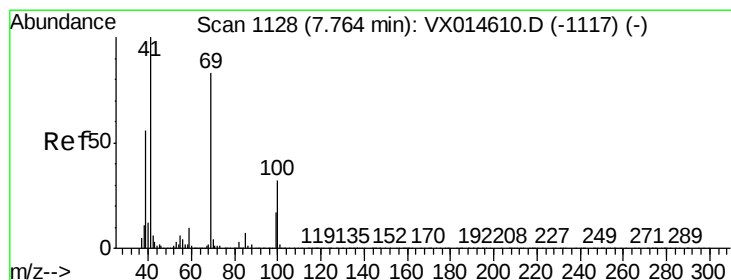
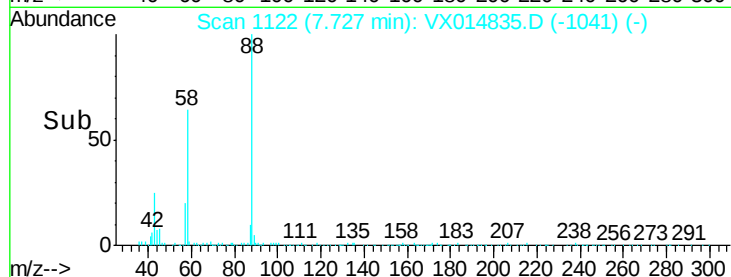
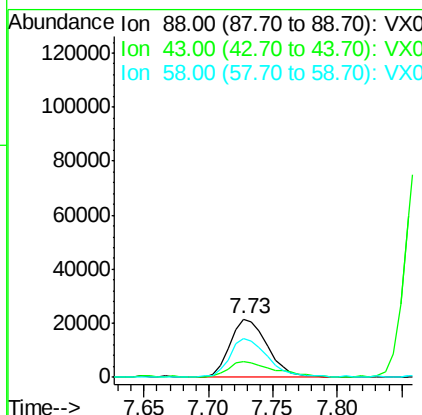
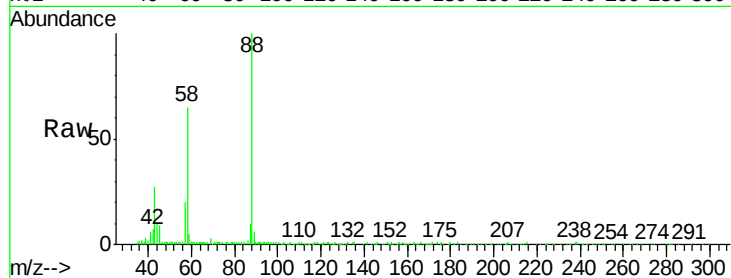
#45
1,4-Dioxane
Concen: 411.524 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.4	38.2
58	65.5	56.5	84.7

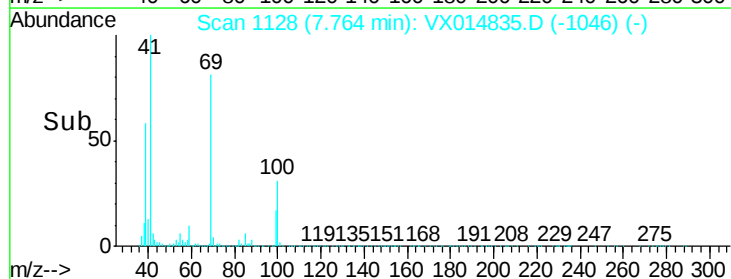
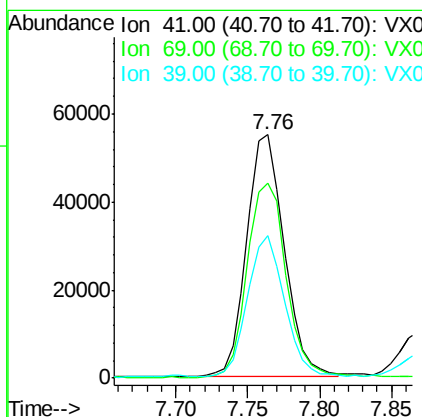
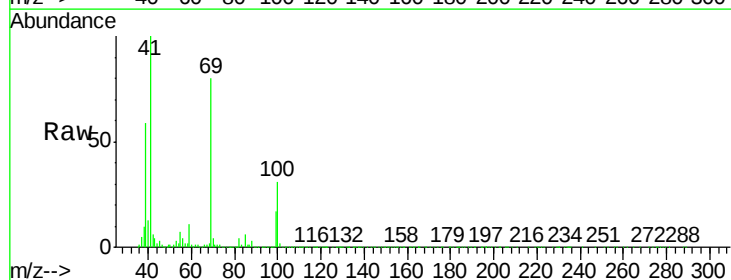
Manual Integrations
APPROVED

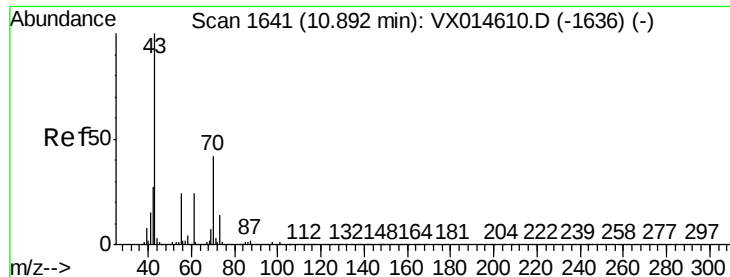
MMDadoda
2/6/2020 1:32:15 PM



#46
Methyl methacrylate
Concen: 19.340 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.2	40.6	122.0
39	58.0	27.8	83.3





#47

n-amvl Acetate

Concen: 19.762 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 173796

Ion Ratio Lower Upper

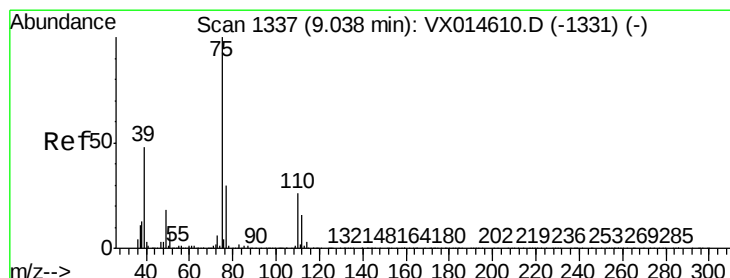
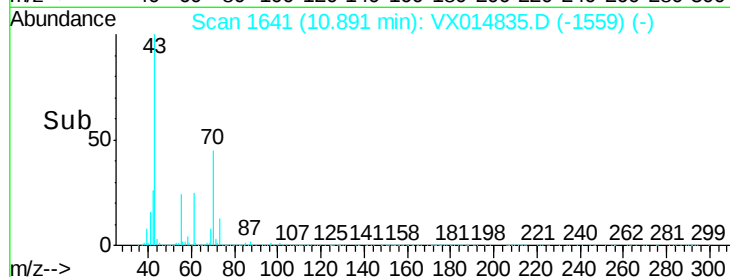
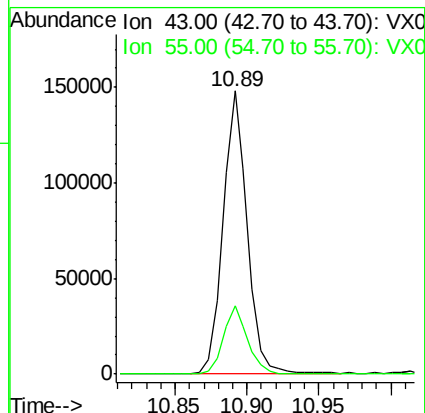
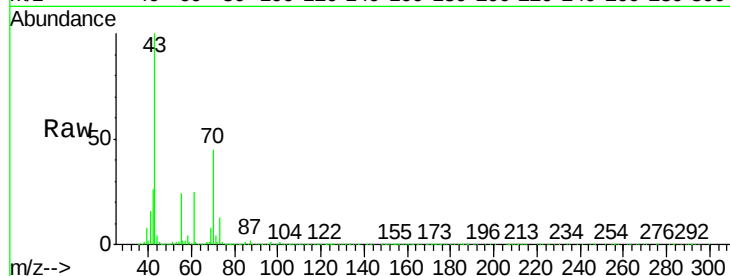
43 100

55 24.1 19.4 29.2

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 20.167 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014835.D

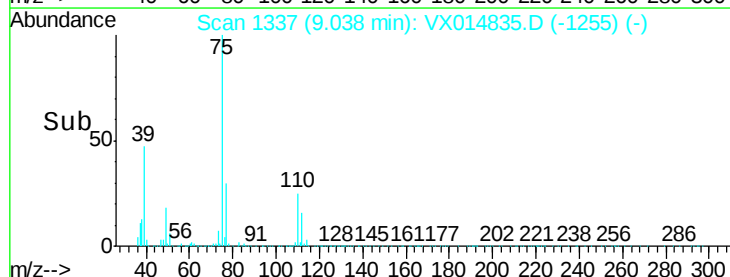
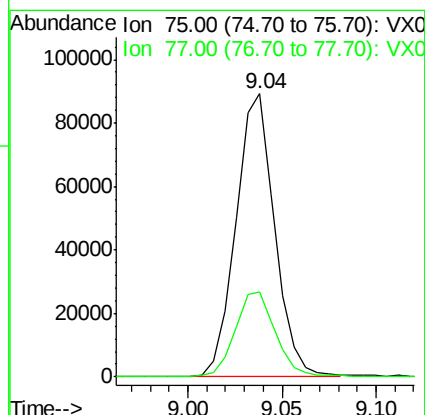
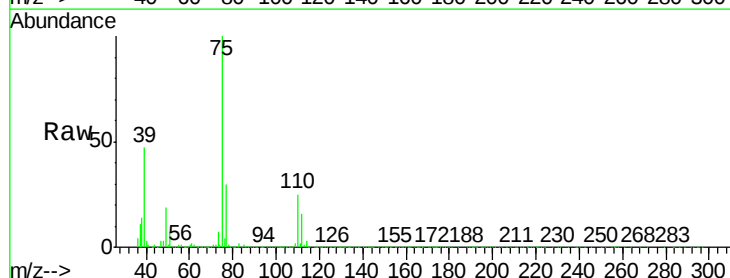
Acq: 05 Feb 2020 20:10

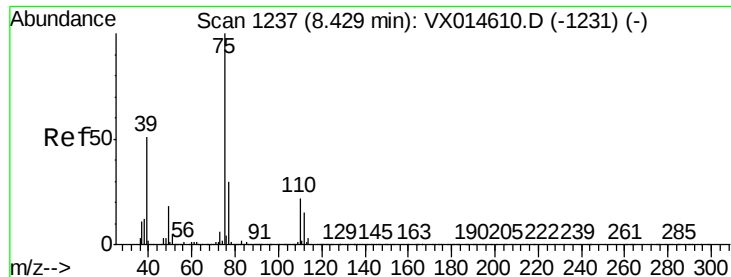
Tgt Ion: 75 Resp: 126331

Ion Ratio Lower Upper

75 100

77 29.9 26.0 39.0





#49

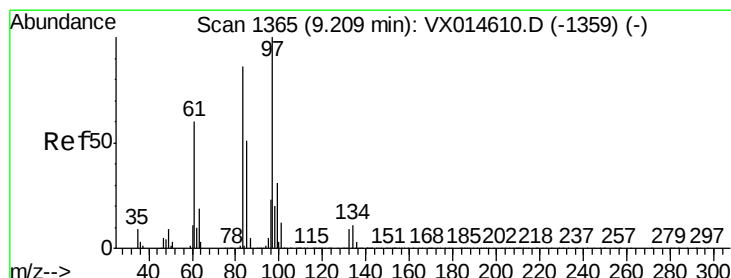
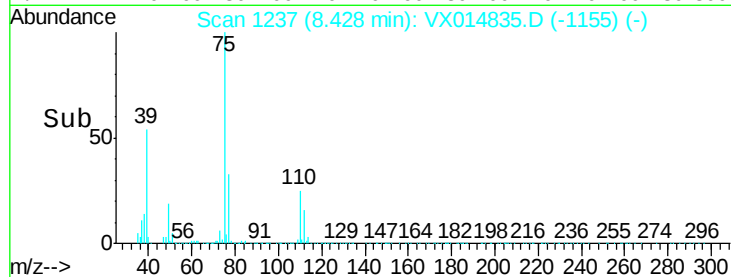
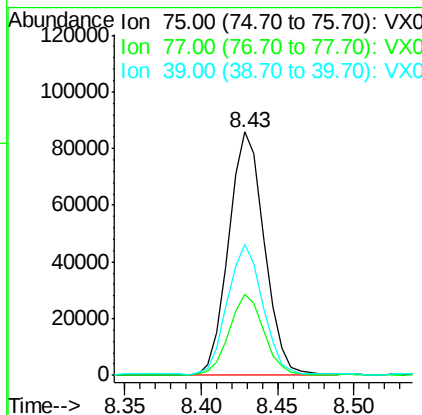
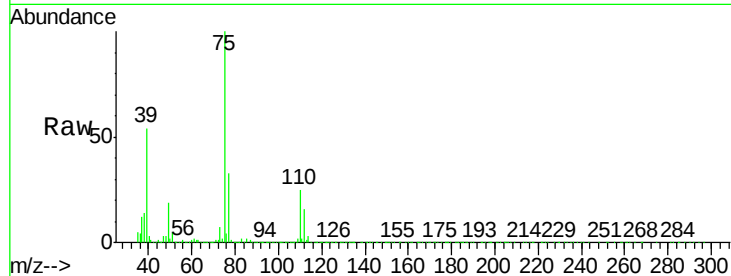
cis-1,3-Dichloropropene
Concen: 19.654 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.8	37.2
39	53.9	41.1	61.7

Manual Integrations
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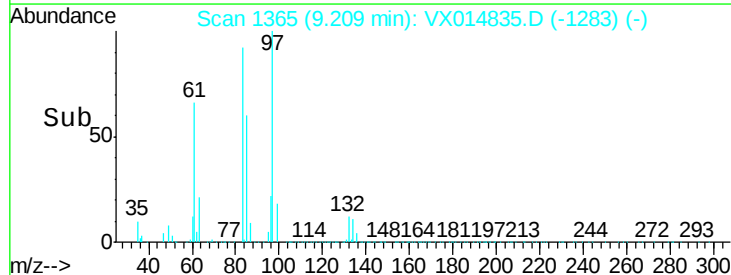
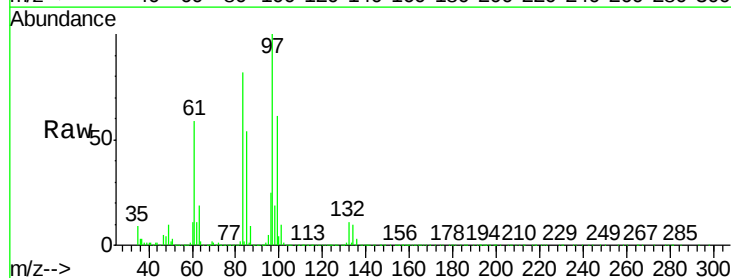
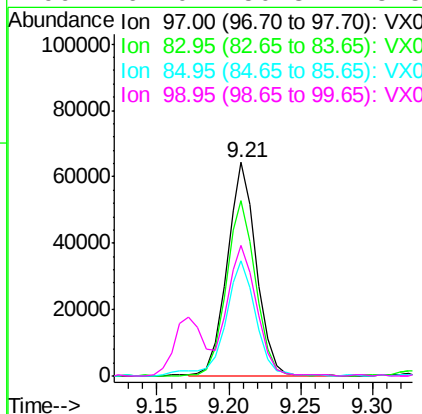
MMDadoda
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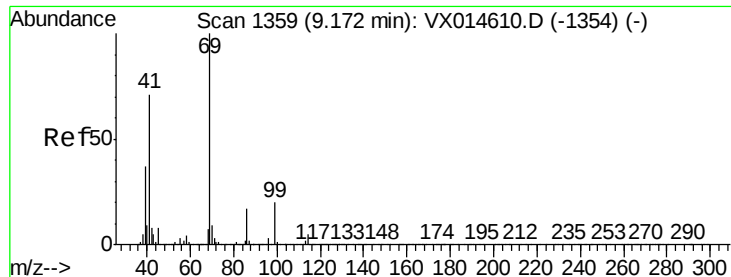


#50

1,1,2-Trichloroethane
Concen: 20.475 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.6	68.1	102.1
85	53.6	42.7	64.1
99	61.0	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.749 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 69 Resp: 137095

Ion Ratio Lower Upper

69 100

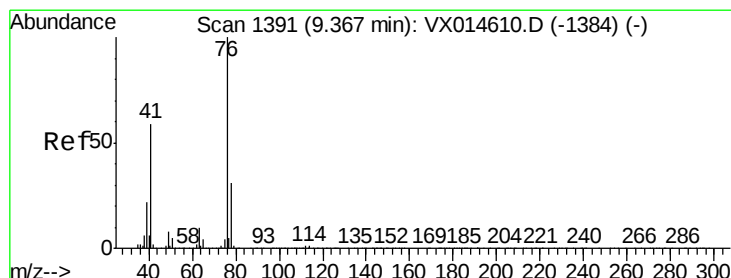
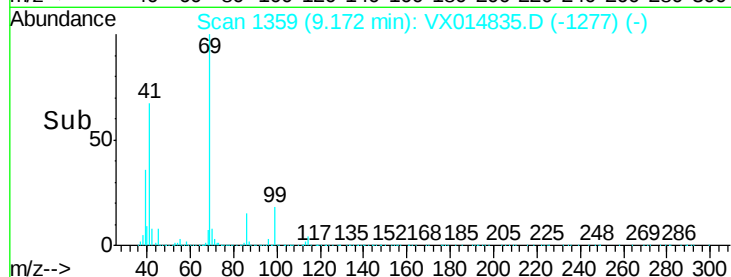
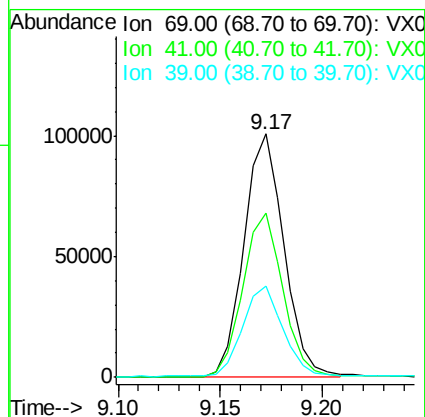
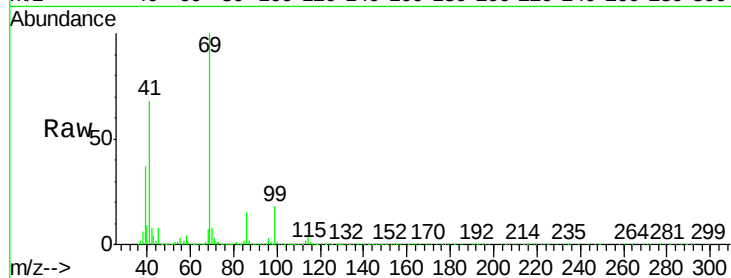
41 67.3 35.4 106.1

39 36.7 17.8 53.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.945 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014835.D

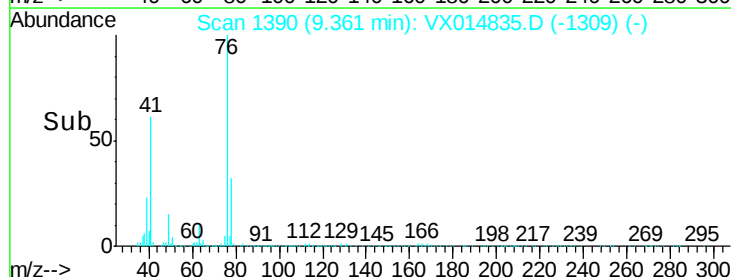
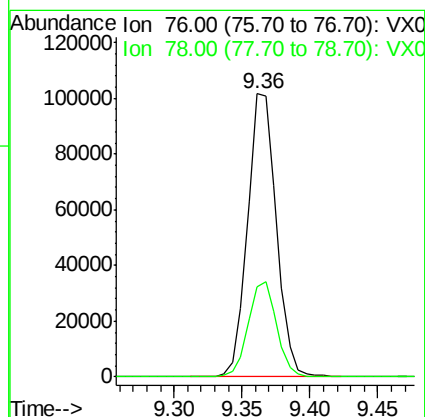
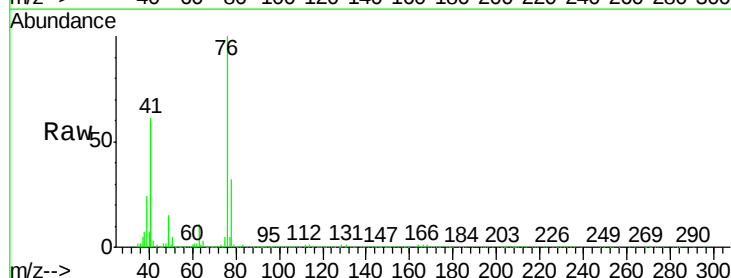
Acq: 05 Feb 2020 20:10

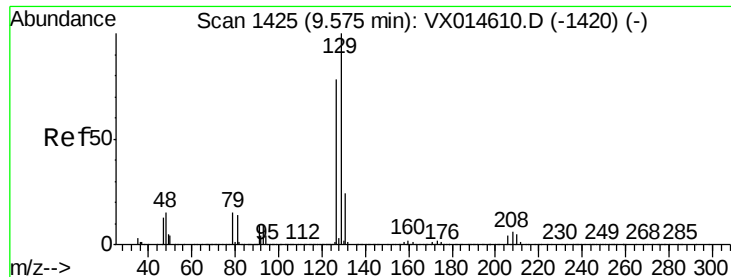
Tgt Ion: 76 Resp: 150659

Ion Ratio Lower Upper

76 100

78 32.9 0.0 63.4





#53

Dibromochloromethane

Concen: 20.525 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion:129 Resp: 93599

Ion Ratio Lower Upper

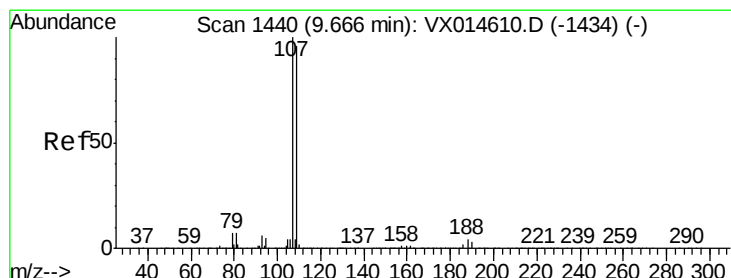
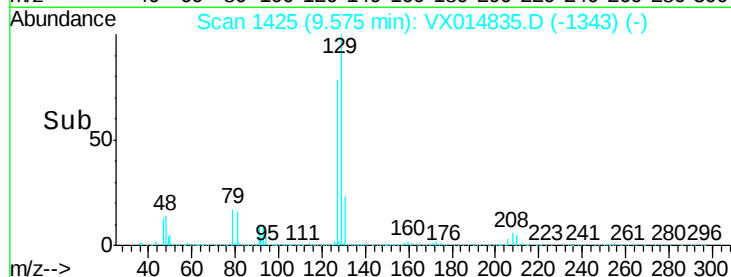
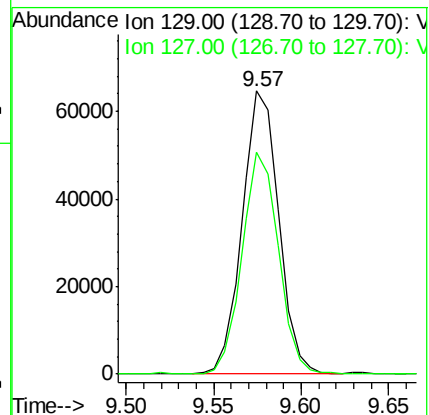
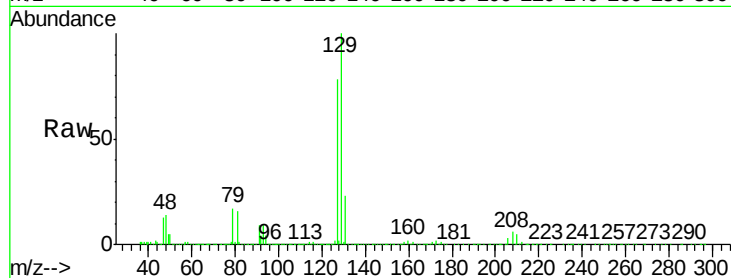
129 100

127 78.5 39.1 117.5

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 20.542 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014835.D

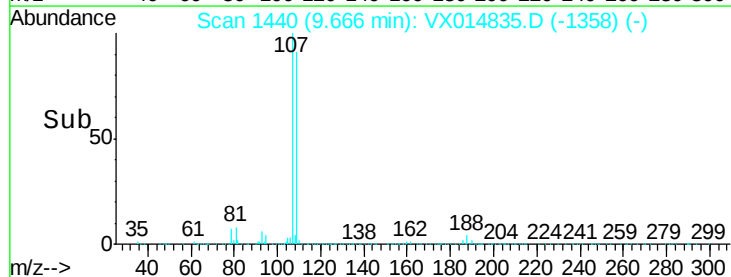
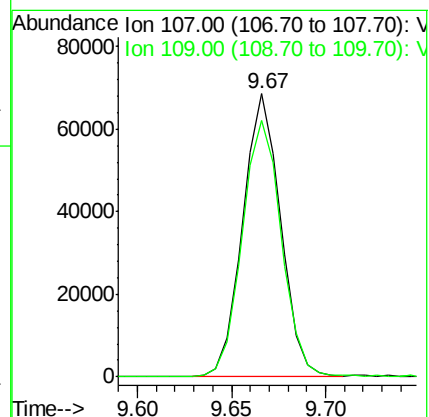
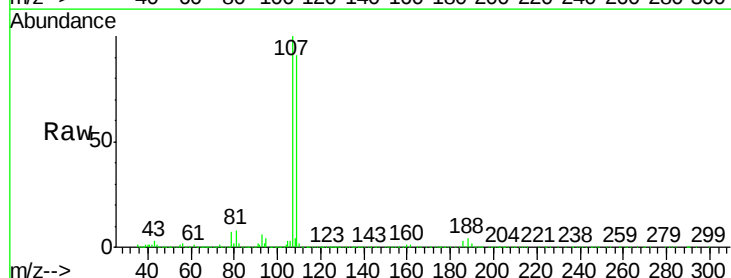
Acq: 05 Feb 2020 20:10

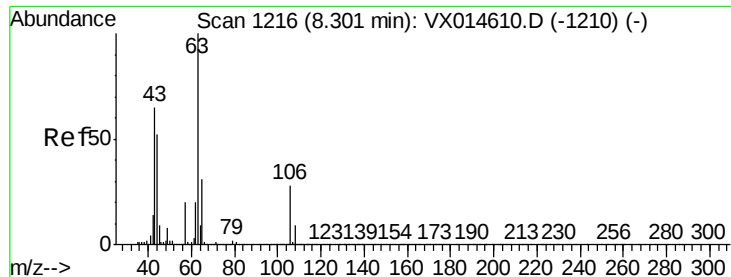
Tgt Ion:107 Resp: 94980

Ion Ratio Lower Upper

107 100

109 94.6 77.2 115.8





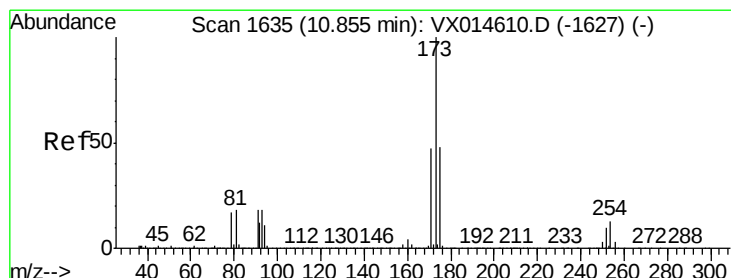
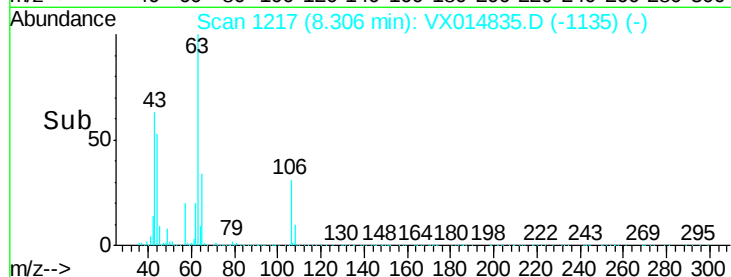
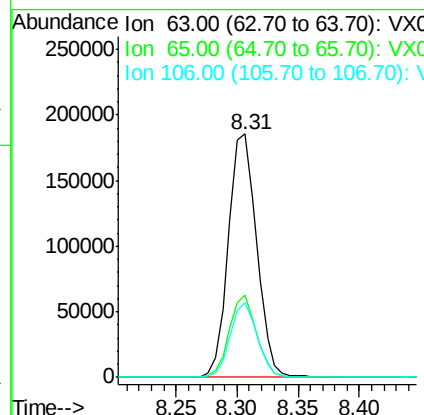
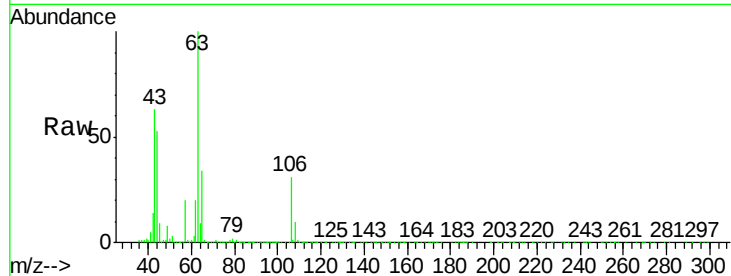
#55
2-Chloroethyl vinyl ether
Concen: 93.021 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.8	38.6
106	29.4	22.9	34.3

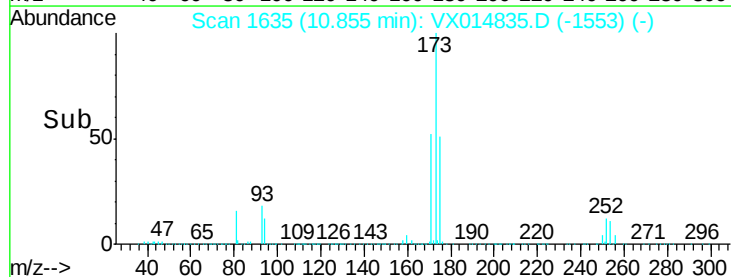
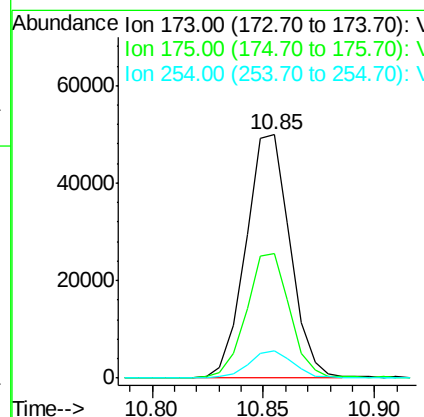
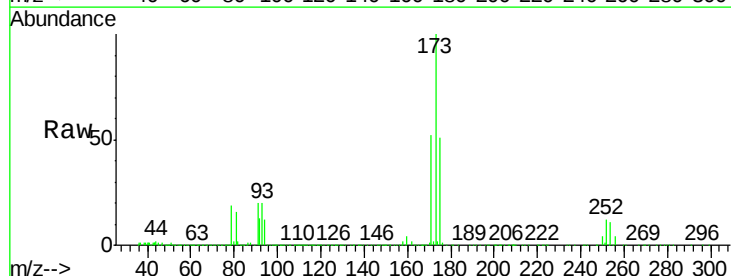
Manual Integrations
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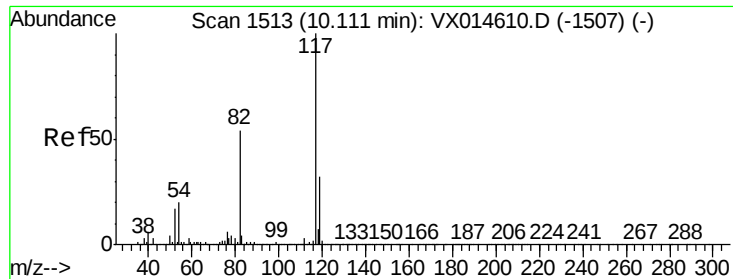
MMDadoda
2/6/2020 1:32:15 PM



#56
Bromoform
Concen: 19.802 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.2	39.5	59.3
254	11.1	8.2	12.4





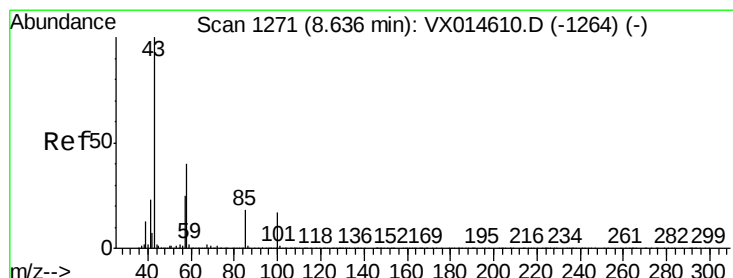
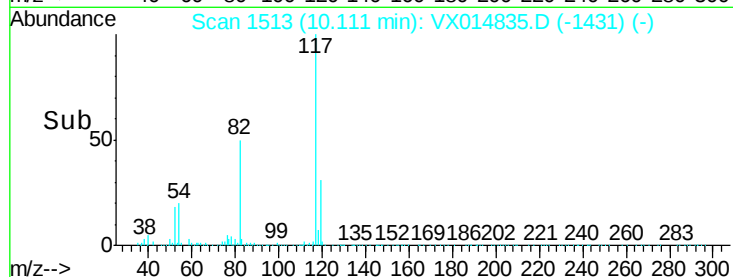
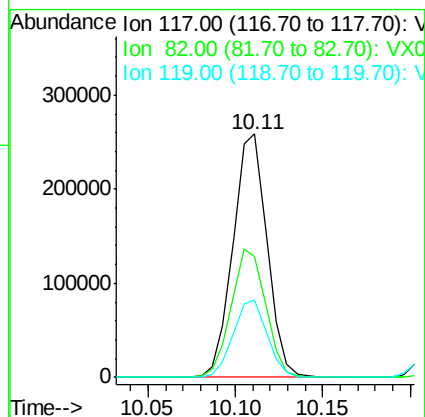
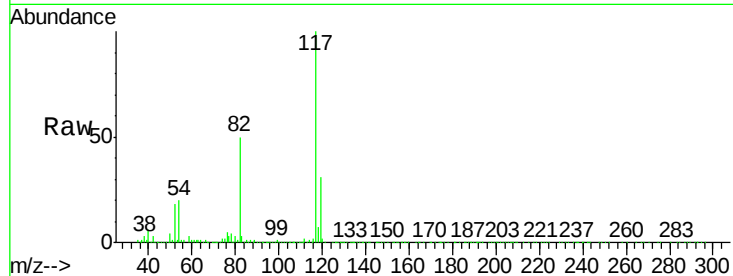
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.8	65.6
119	31.9	25.8	38.6

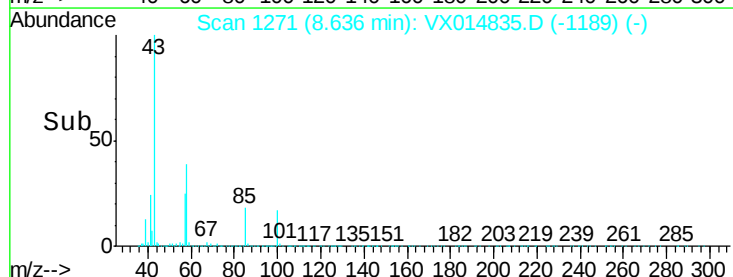
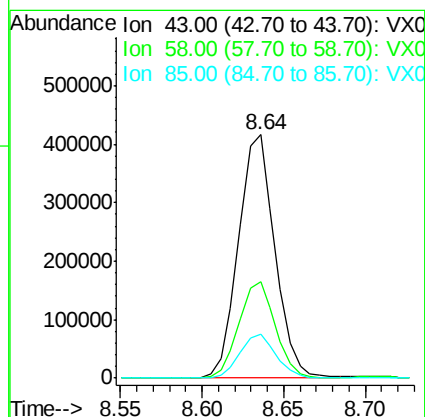
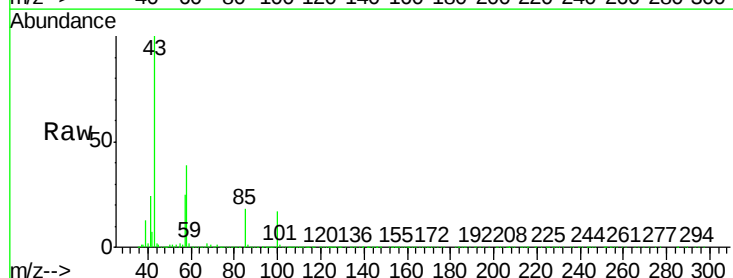
Manual Integrations
APPROVED

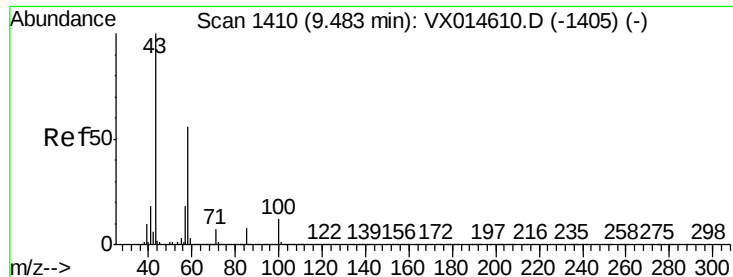
MMDadoda
2/6/2020 1:32:15 PM



#58
4-Methyl-2-Pentanone
Concen: 98.448 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.2	46.8
85	17.9	14.2	21.2





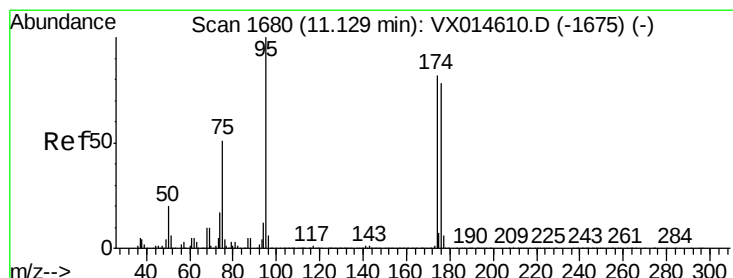
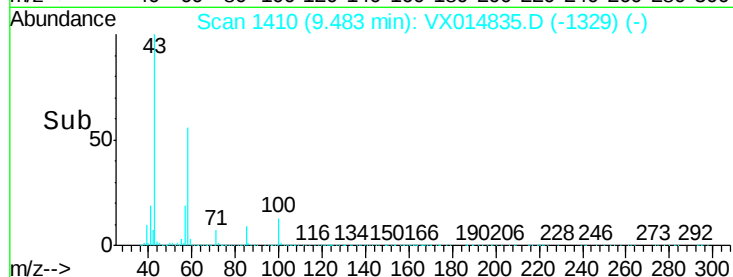
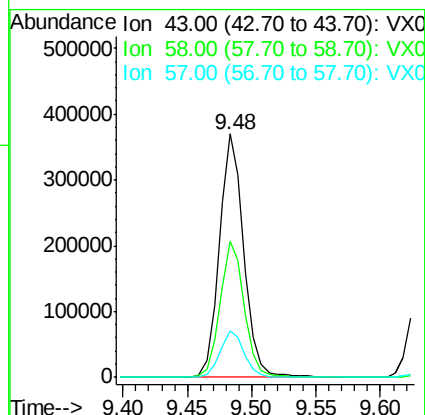
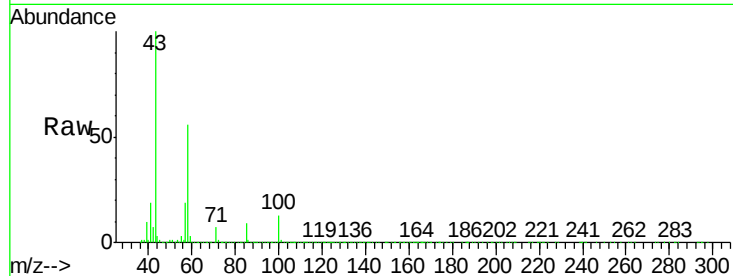
#59
2-Hexanone
Concen: 96.069 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.8	65.6
57	19.3	15.4	23.0

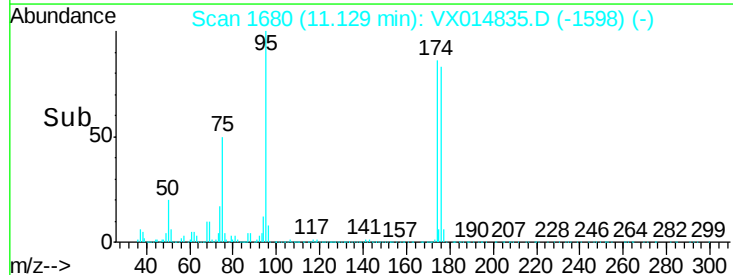
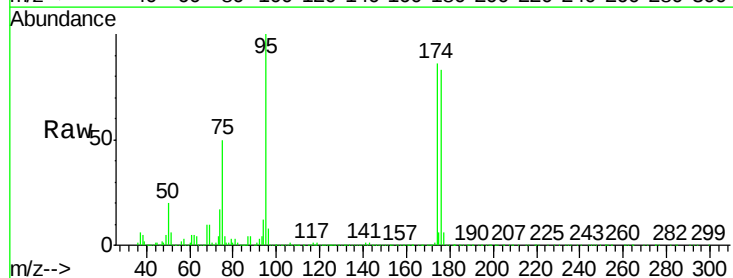
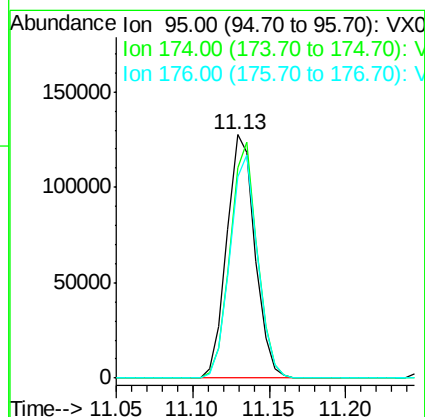
Manual Integrations
APPROVED

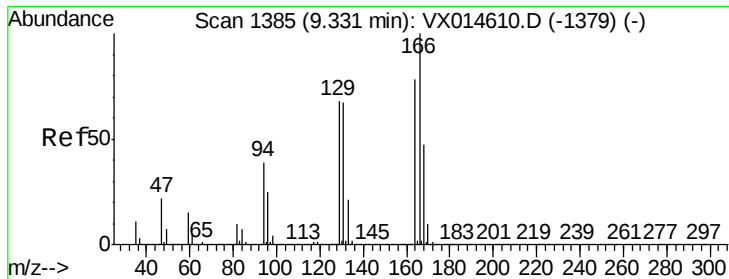
MMDadoda
2/6/2020 1:32:15 PM



#60
4-Bromofluorobenzene
Concen: 29.236 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	70.2	105.2
176	89.8	68.3	102.5





#61

Tetrachloroethene

Concen: 20.936 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

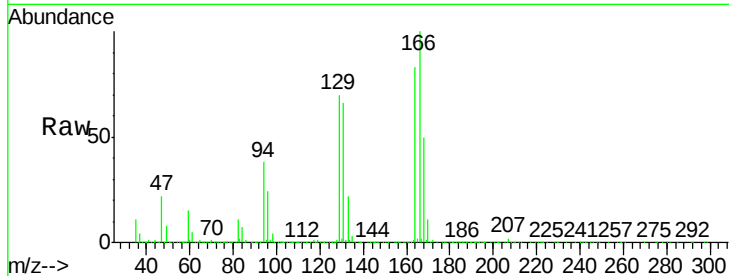
VSTDCCC020EC

Tot Ion:	164	Resp:	108214
Ion Ratio	Lower	Upper	
164	100		
166	121.0	104.2	156.2
129	84.0	71.6	107.4
131	79.4	71.7	107.5

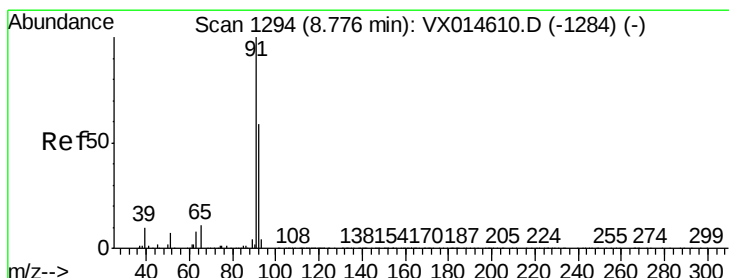
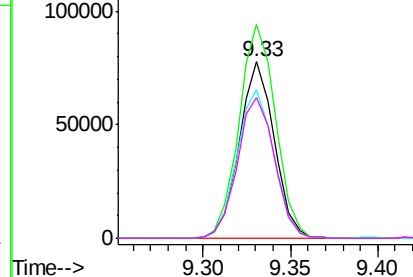
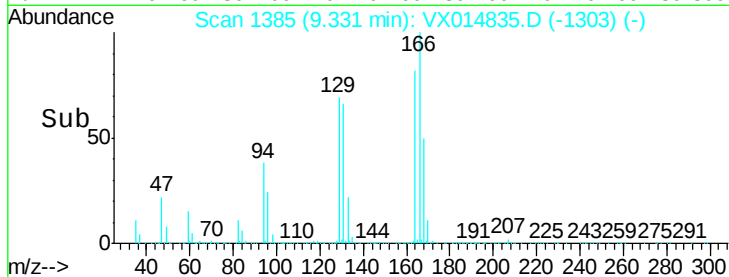
Manual Integrations
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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.365 ug/l

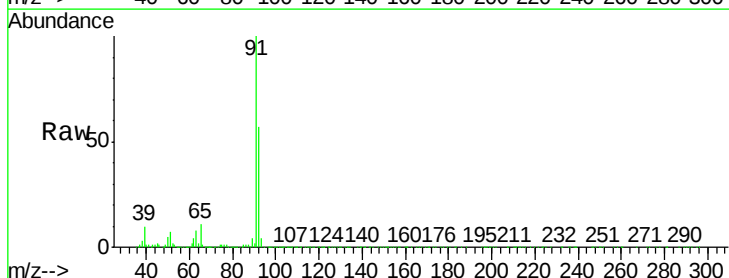
RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

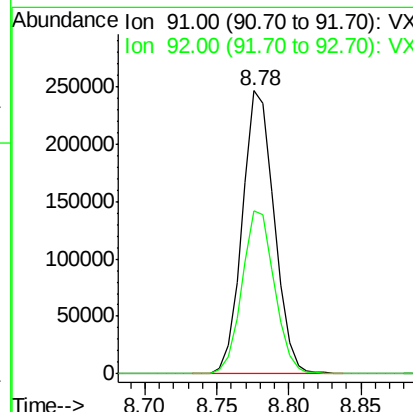
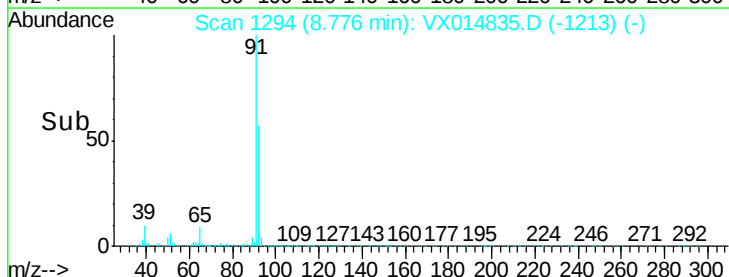
Lab File: VX014835.D

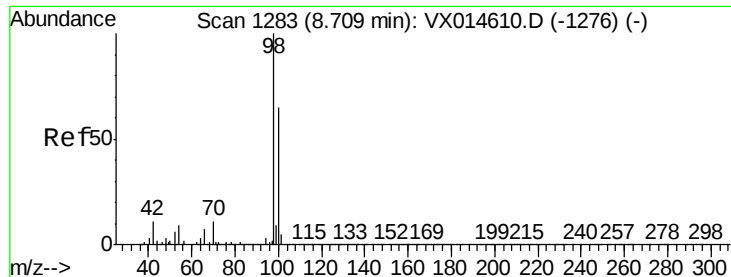
Acq: 05 Feb 2020 20:10

Tgt Ion:	91	Resp:	377854
Ion Ratio	Lower	Upper	
91	100		
92	58.1	46.4	69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.678 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 468804

Ion Ratio Lower Upper

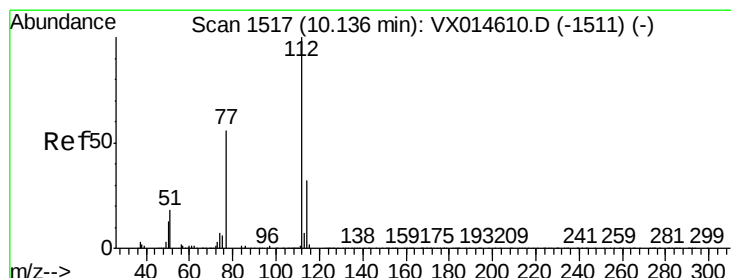
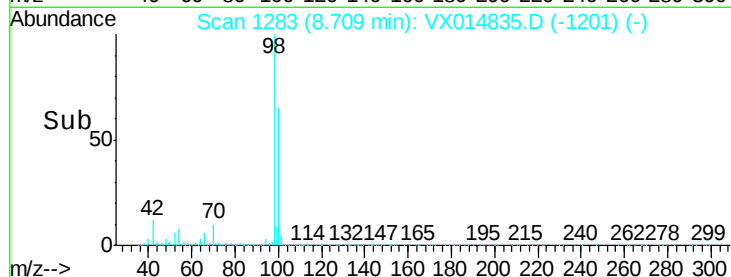
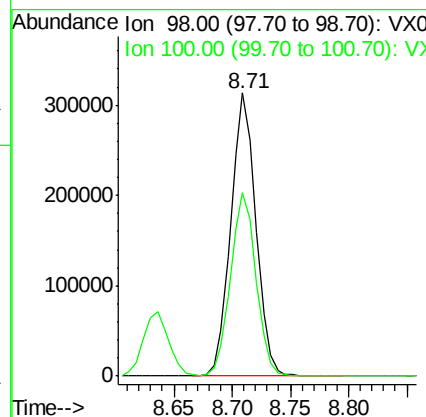
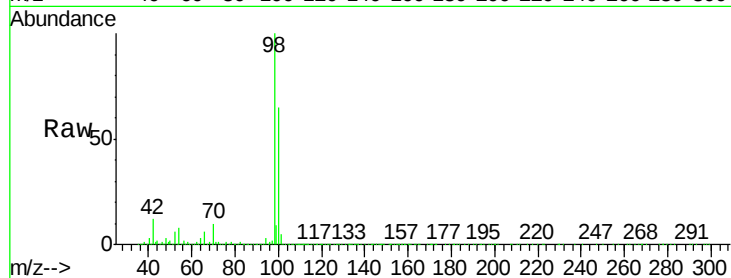
98 100

100 65.8 52.2 78.2

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#64

Chlorobenzene

Concen: 20.498 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014835.D

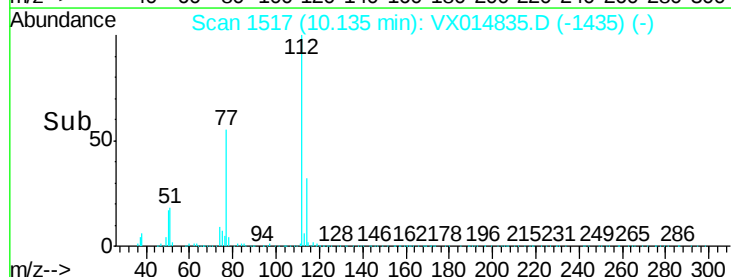
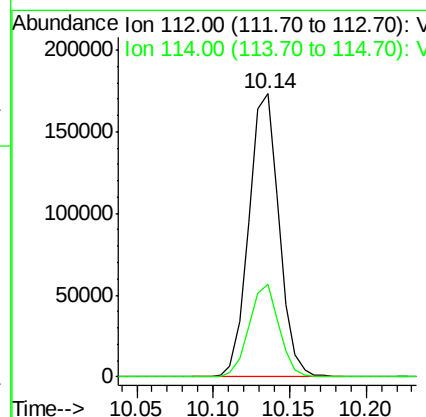
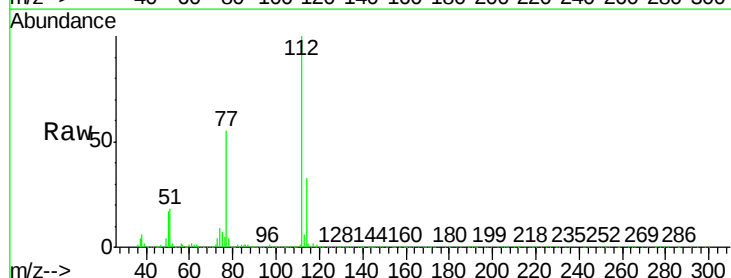
Acq: 05 Feb 2020 20:10

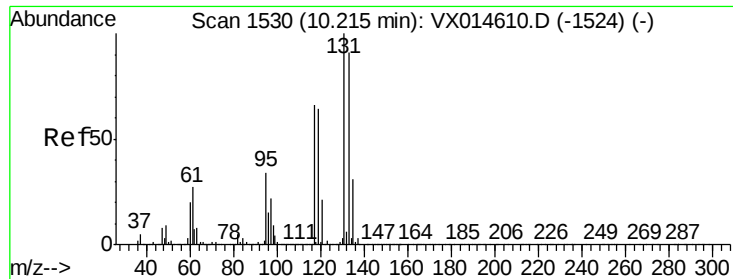
Tgt Ion: 112 Resp: 237417

Ion Ratio Lower Upper

112 100

114 32.5 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.650 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

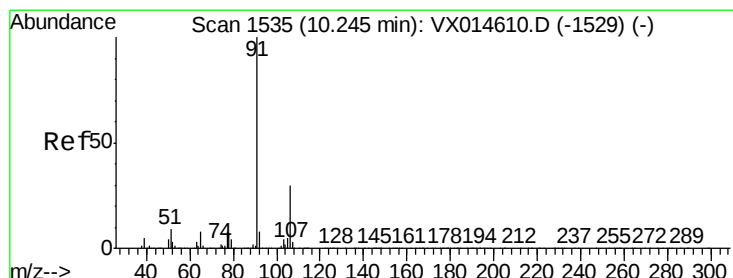
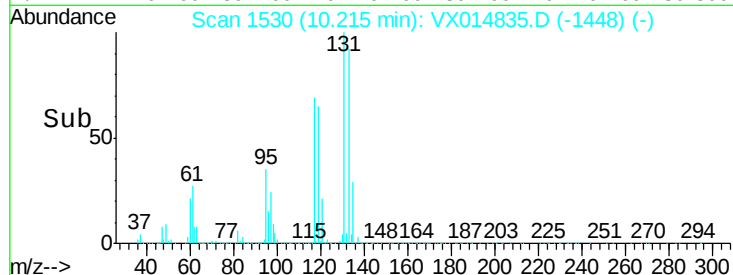
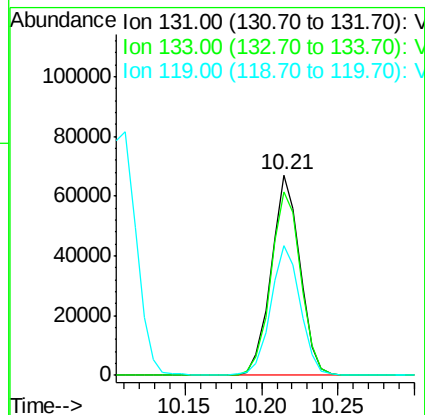
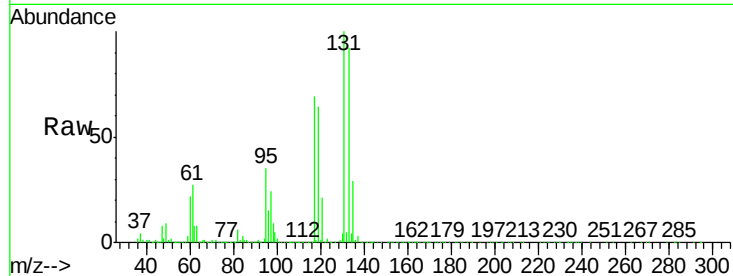
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	88338
Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	189.8
119	66.0	0.0	132.2

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#66

Ethyl Benzene

Concen: 20.366 ug/l

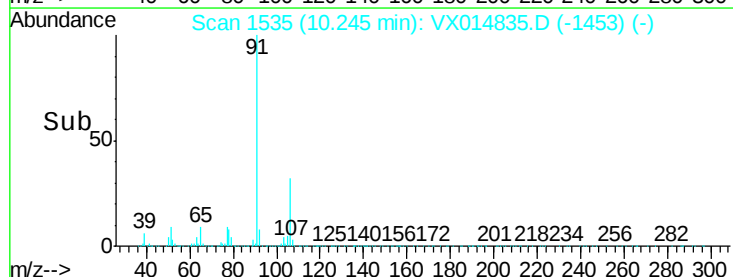
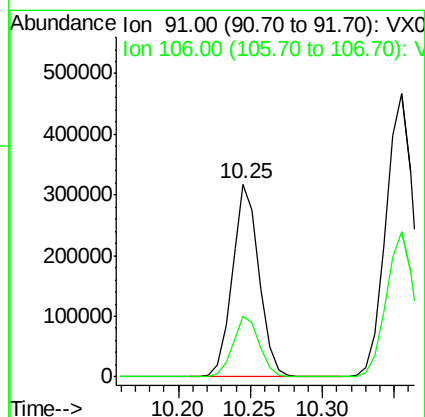
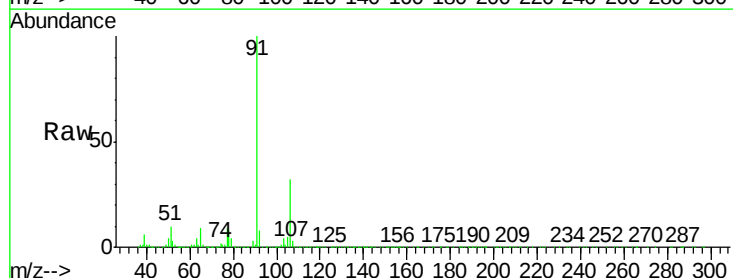
RT: 10.25 min Scan# 1535

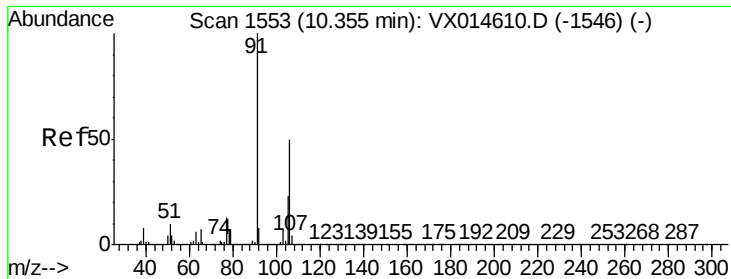
Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tgt Ion:	91	Resp:	411575
Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.2





#67

m/p-Xvlenes

Concen: 40.967 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 317125

Ion Ratio Lower Upper

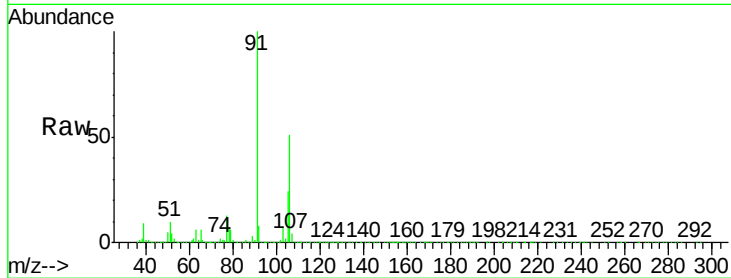
106 100

91 197.6 159.3 238.9

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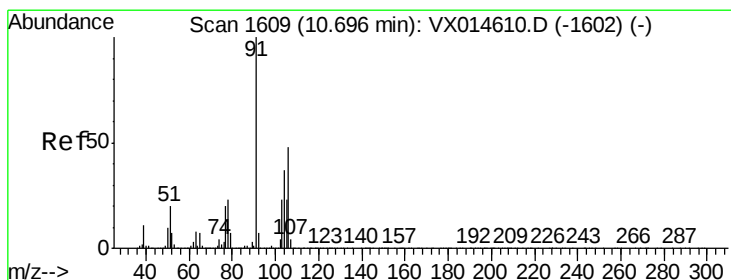
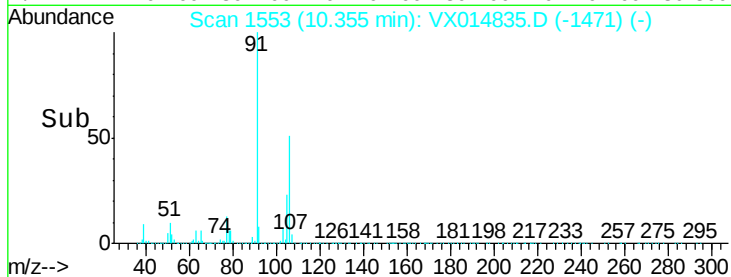
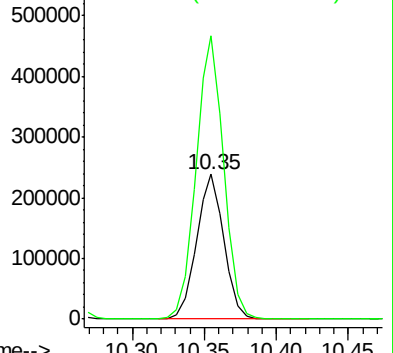
MMMadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.218 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014835.D

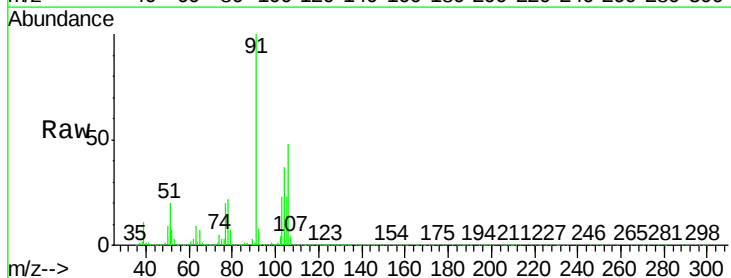
Acq: 05 Feb 2020 20:10

Tgt Ion:106 Resp: 152401

Ion Ratio Lower Upper

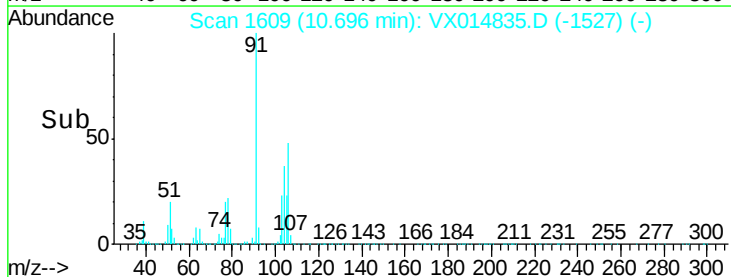
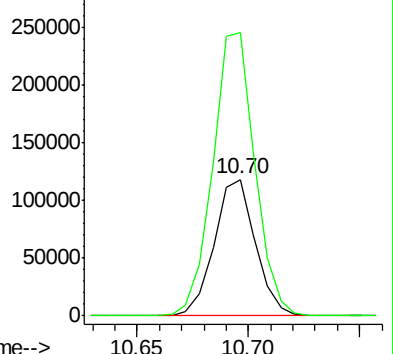
106 100

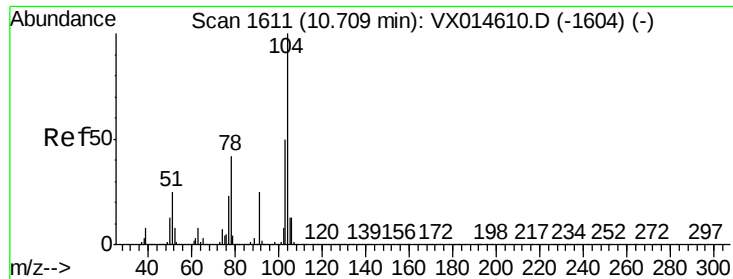
91 212.0 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





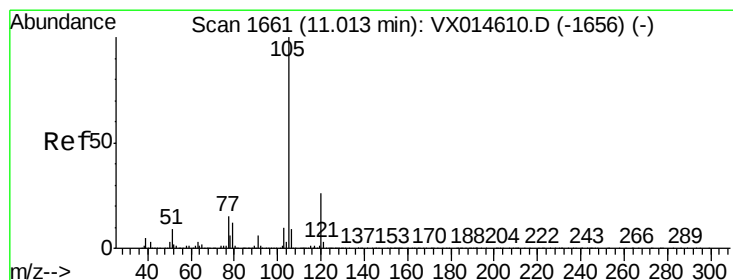
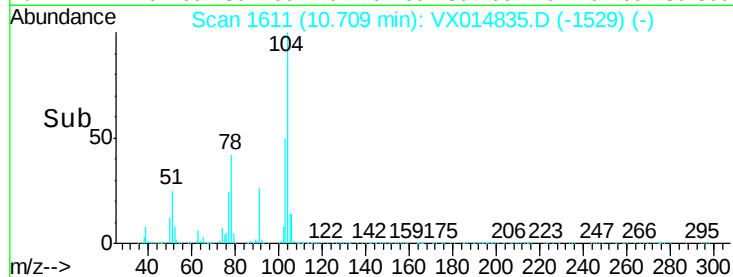
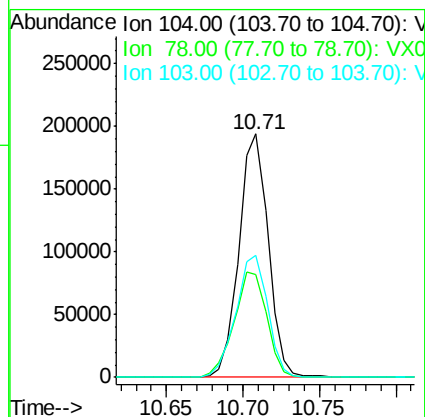
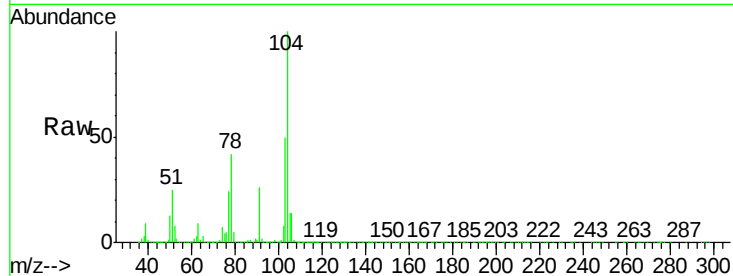
#69
Stvrene
Concen: 20.103 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	104	Resp:	256752
Ion Ratio	Lower	Upper	
104	100		
78	48.3	38.9	58.3
103	54.9	44.2	66.2

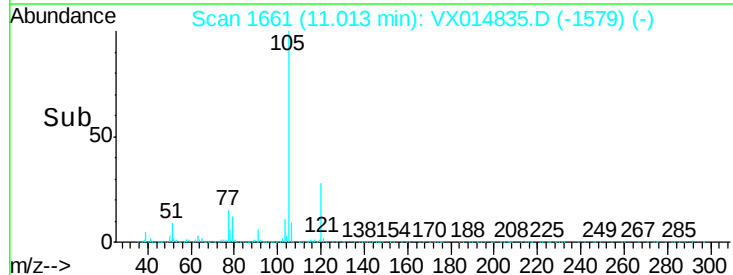
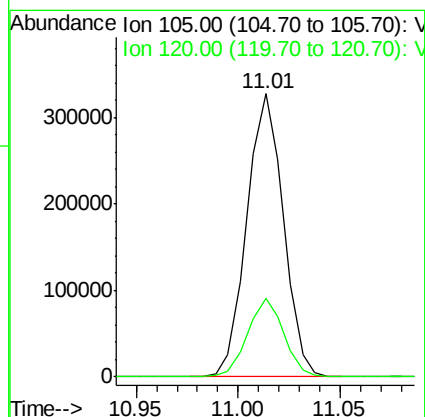
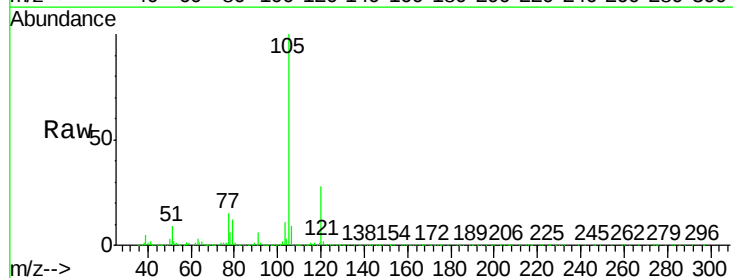
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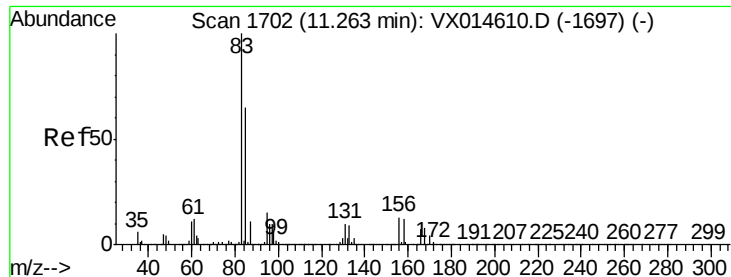
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#70
Isopropylbenzene
Concen: 20.653 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion:	105	Resp:	407850
Ion Ratio	Lower	Upper	
105	100		
120	27.1	19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 20.239 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

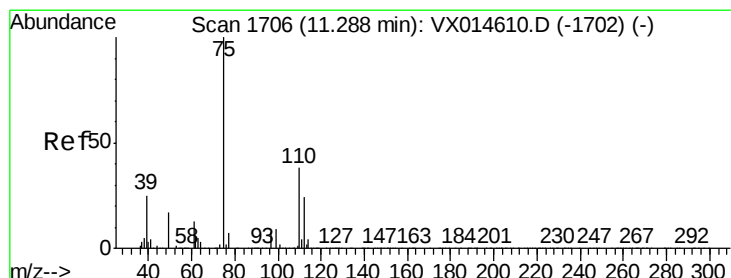
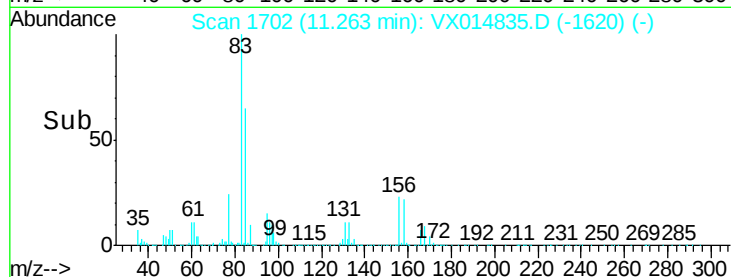
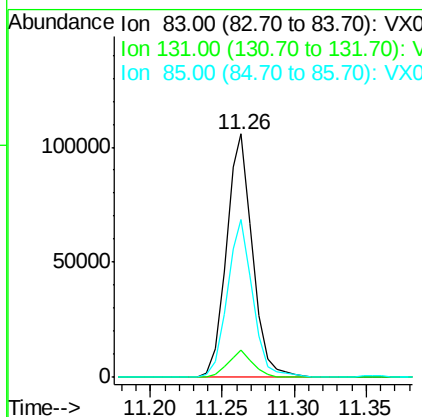
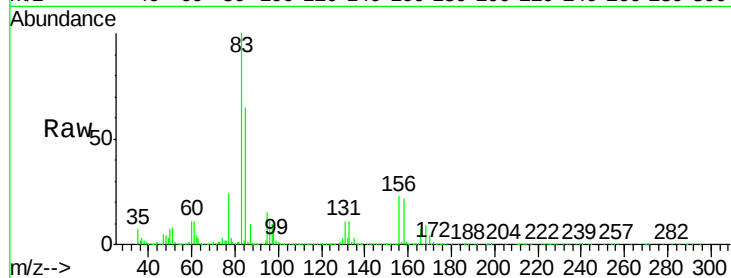
ClientSampled :

VSTDCCC020EC

Tot Ion:	83	Resp:	134630
Ion Ratio		Lower	Upper
83	100		
131	10.6	4.9	14.7
85	63.1	31.6	94.7

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 19.748 ug/l m

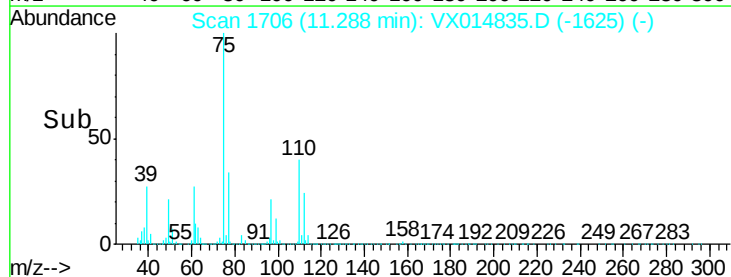
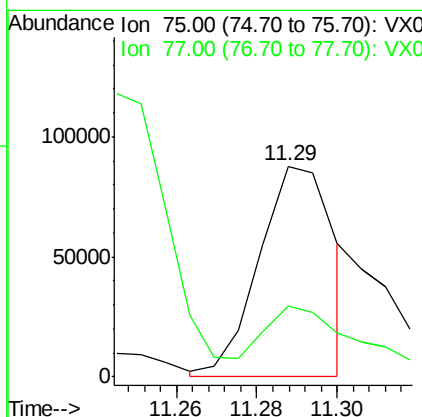
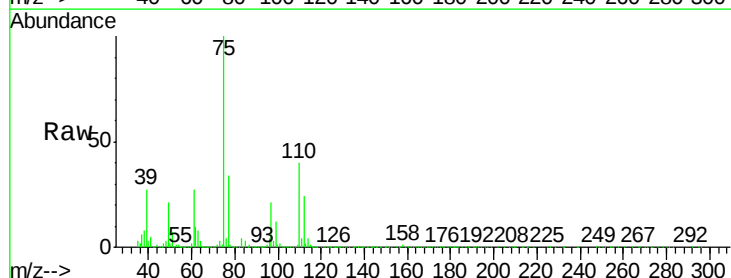
RT: 11.29 min Scan# 1706

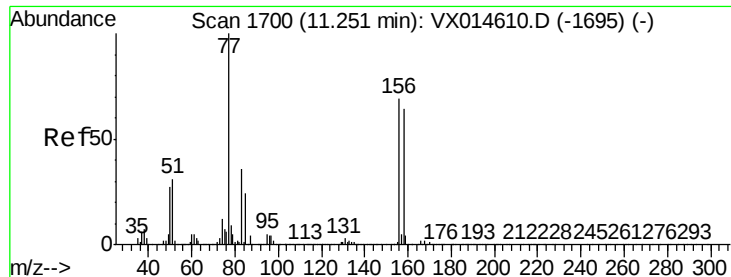
Delta R.T. -0.01 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tgt Ion:	75	Resp:	112367
Ion Ratio		Lower	Upper
75	100		
77	40.1	0.0	68.4





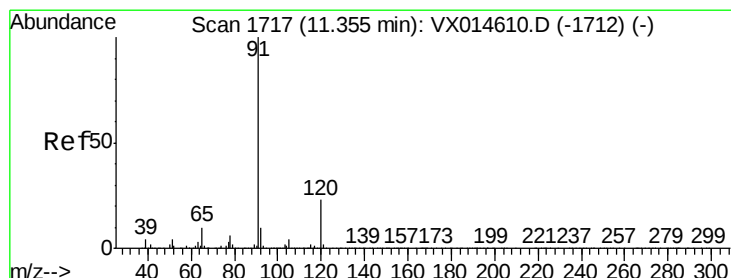
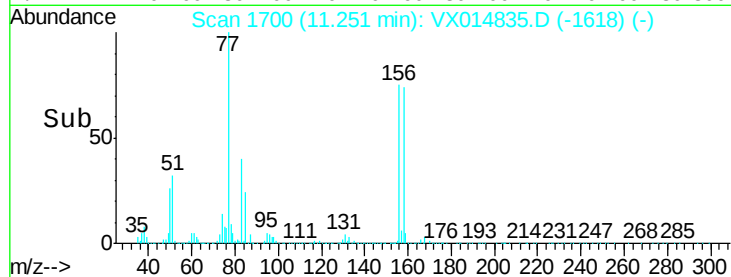
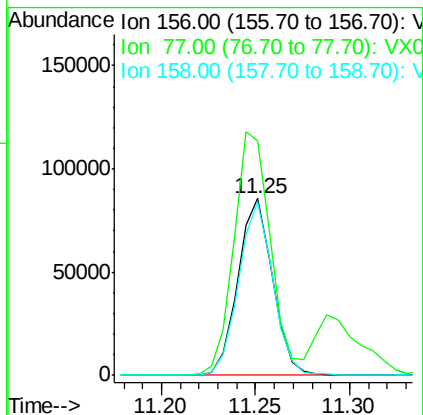
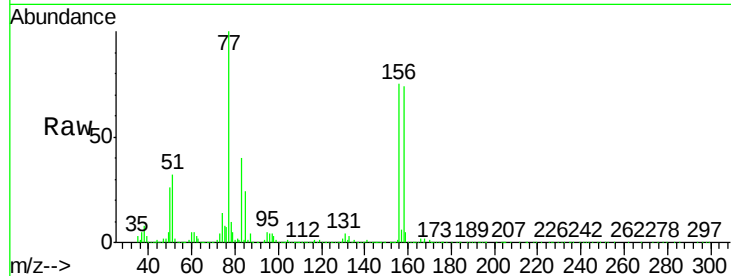
#73
Bromobenzene
Concen: 20.793 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	146.7		0.0	304.6	
158	97.0		0.0	195.2	

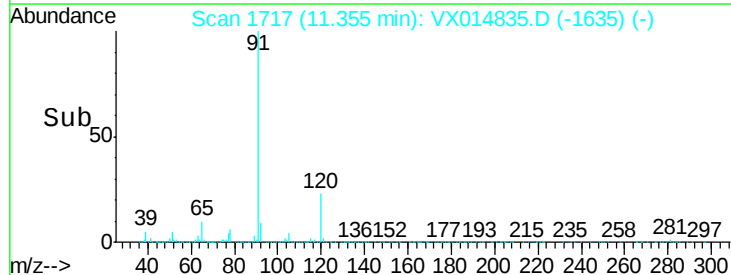
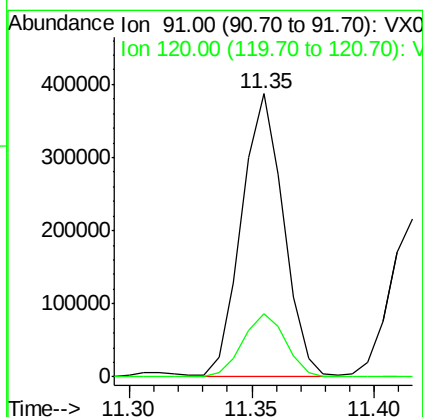
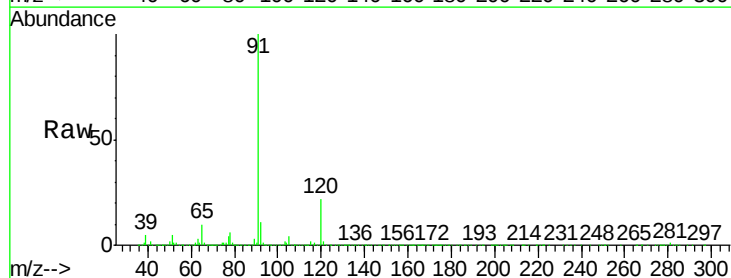
Manual Integrations
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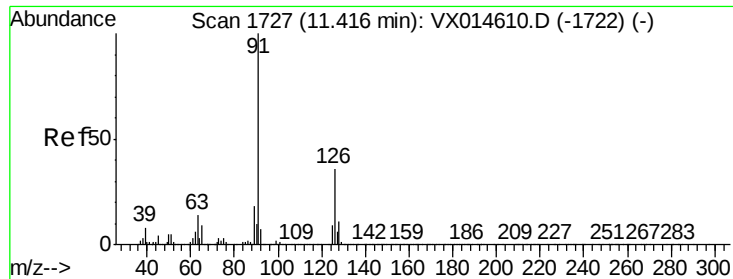
MMDadoda
2/6/2020 1:32:15 PM



#74
n-propylbenzene
Concen: 20.441 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.6		0.0	44.8	





#75

2-Chlorotoluene

Concen: 20.207 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 273285

Ion Ratio Lower Upper

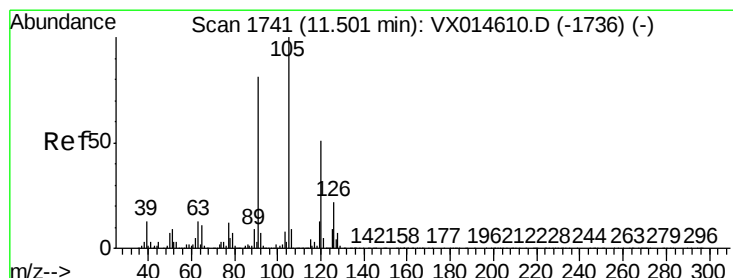
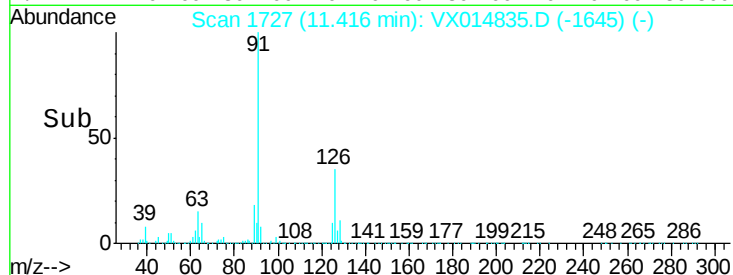
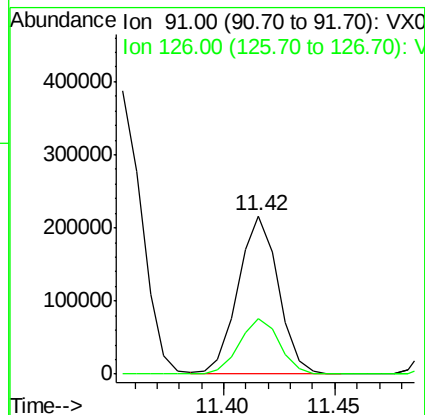
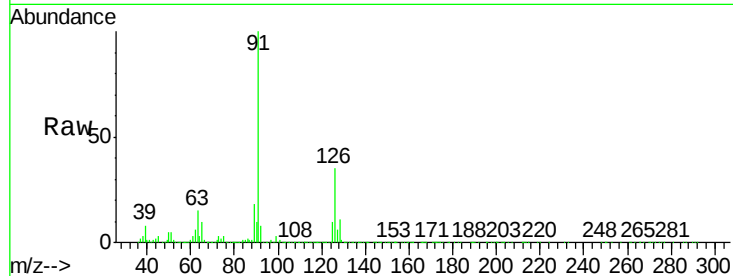
91 100

126 34.6 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 20.539 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014835.D

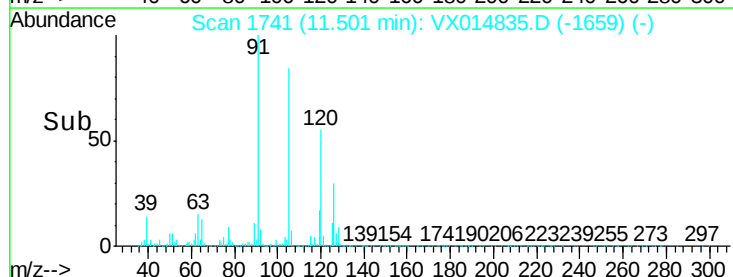
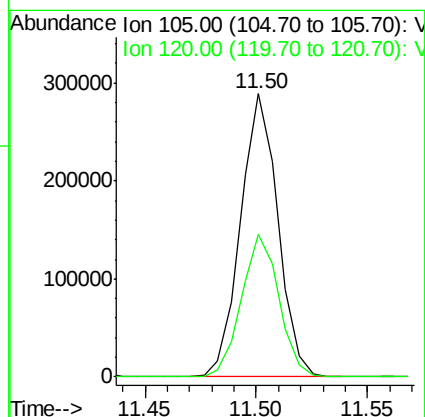
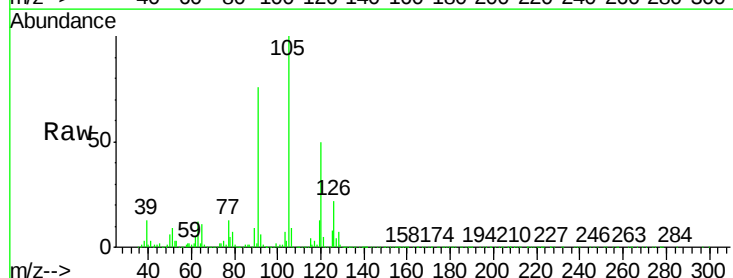
Acq: 05 Feb 2020 20:10

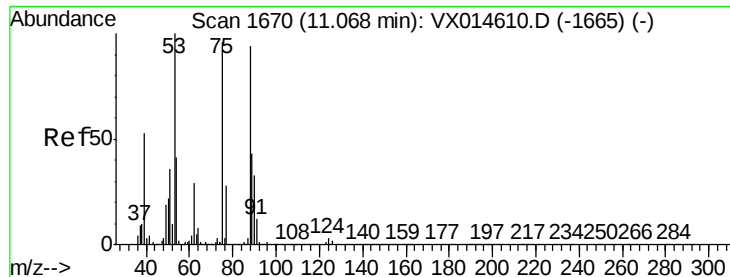
Tgt Ion: 105 Resp: 337963

Ion Ratio Lower Upper

105 100

120 50.6 0.0 100.6





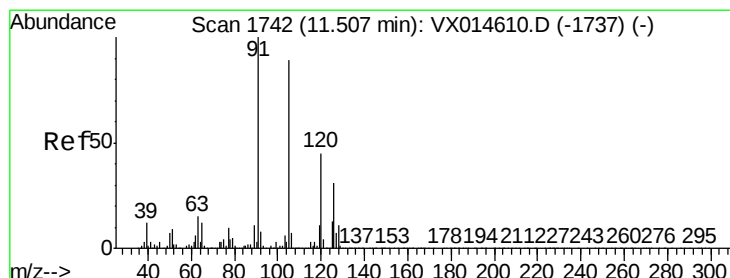
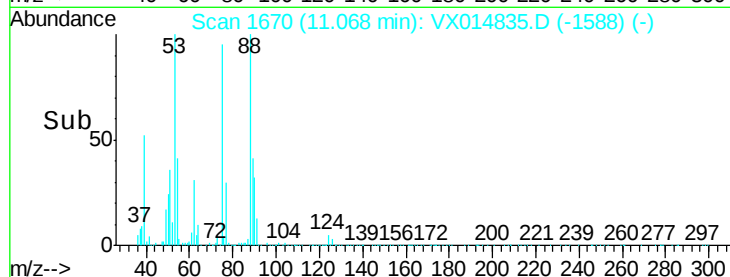
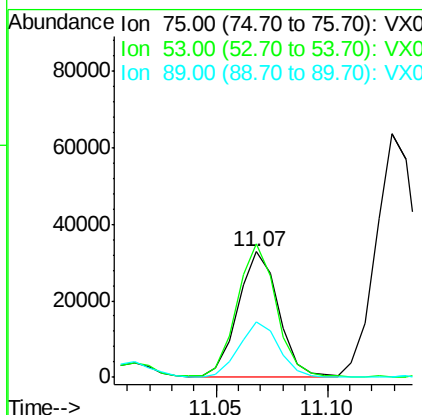
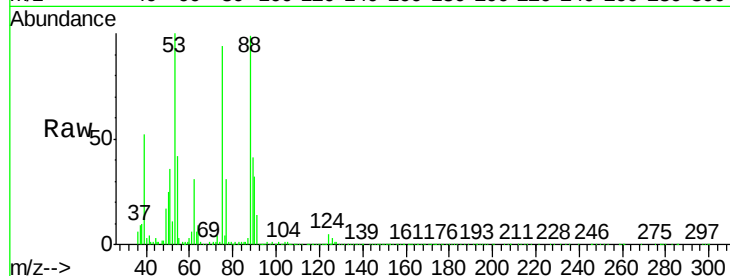
#77
t-1,4-Dichloro-2-butene
Concen: 18.942 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.7	54.4	163.1
89	43.7	21.9	65.5

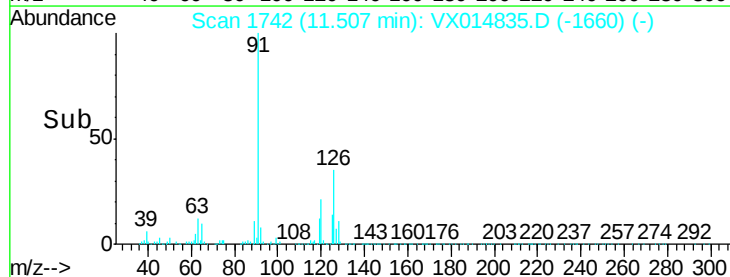
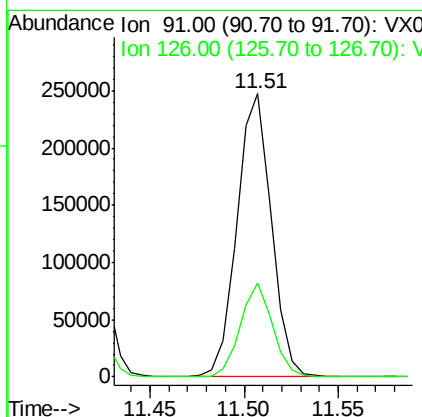
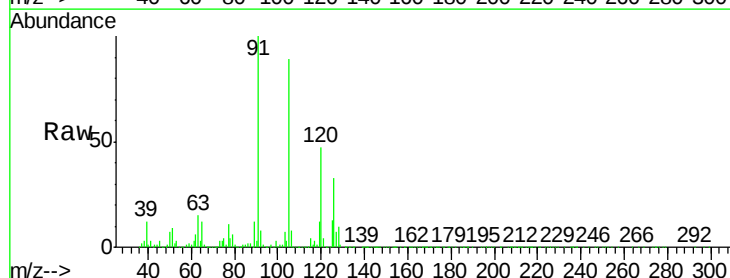
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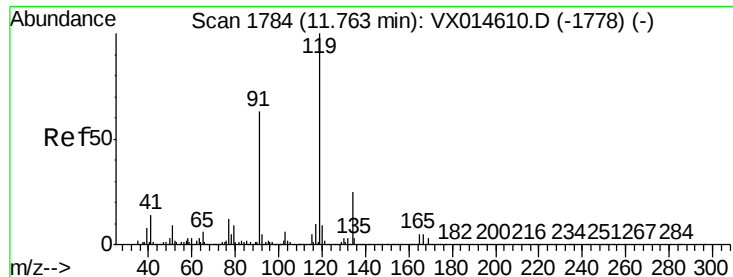
MMDadoda
2/6/2020 1:32:15 PM



#78
4-Chlorotoluene
Concen: 20.245 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	0.0	59.6





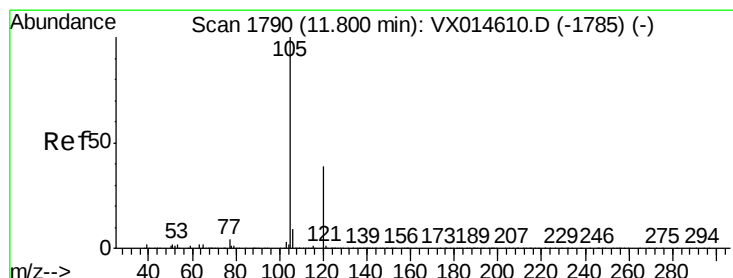
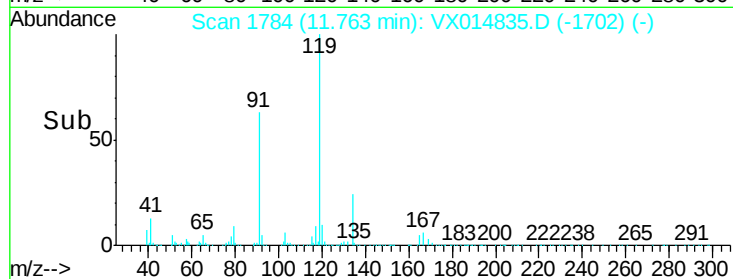
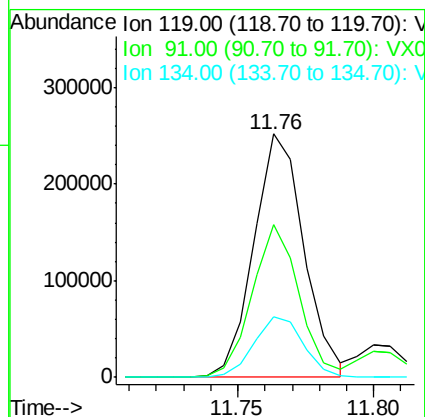
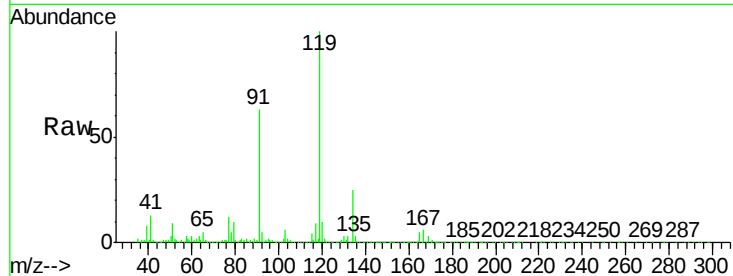
#79
tert-butylbenzene
Concen: 20.845 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100				
91	58.9	0.0	112.6		
134	24.7	0.0	49.8		

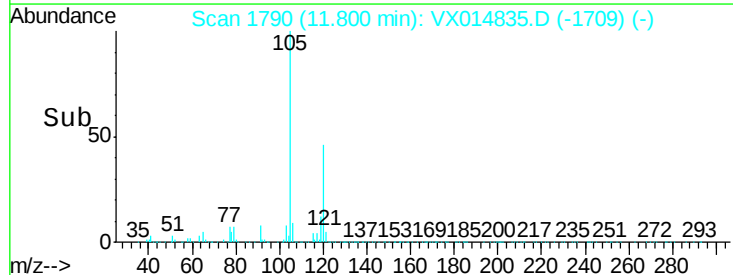
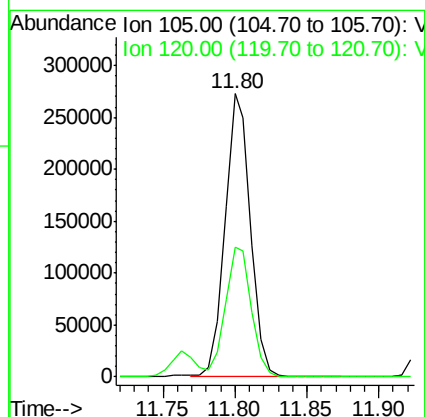
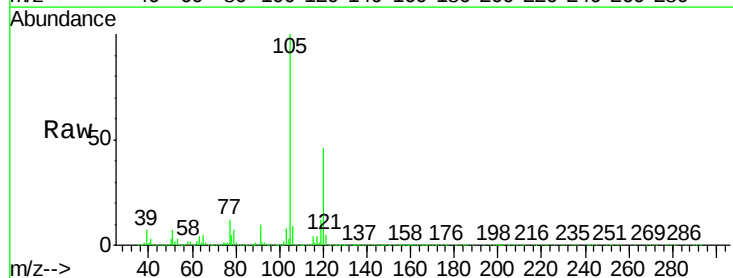
Manual Integrations
APPROVED

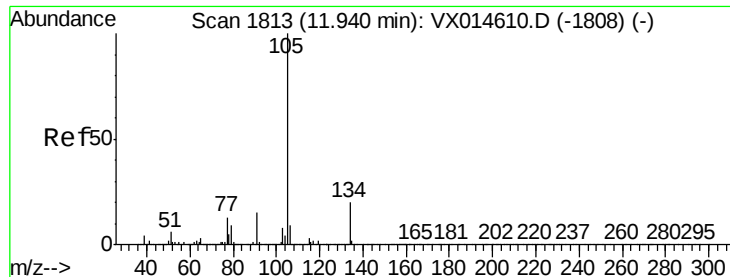
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#80
1,2,4-Trimethylbenzene
Concen: 20.607 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
120	46.5	0.0	92.0		





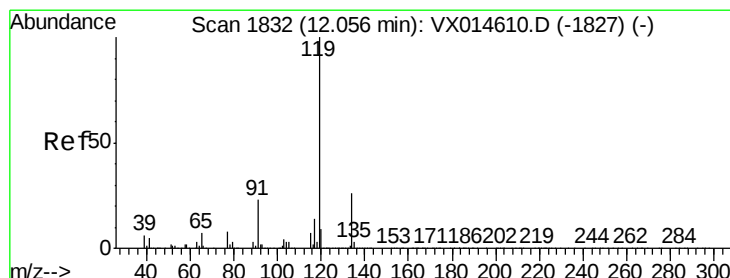
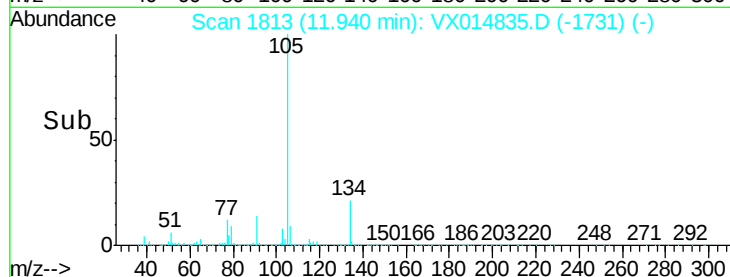
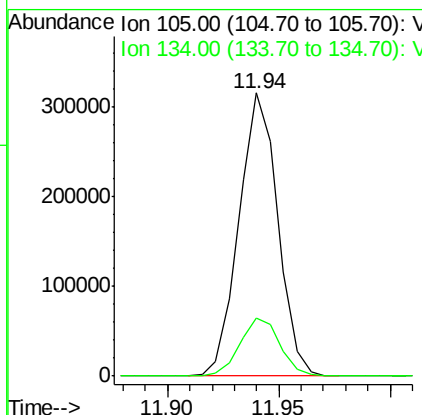
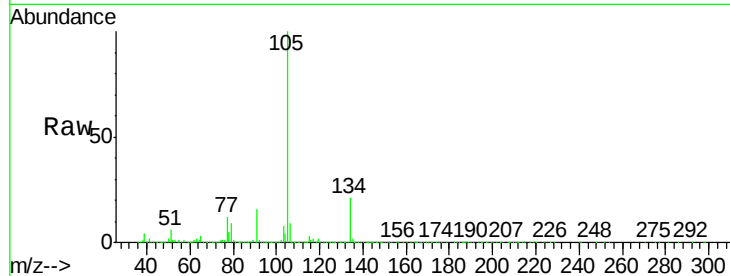
#81
 sec-Butylbenzene
 Concen: 20.158 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	384057		
134	21.0	0.0	40.2	

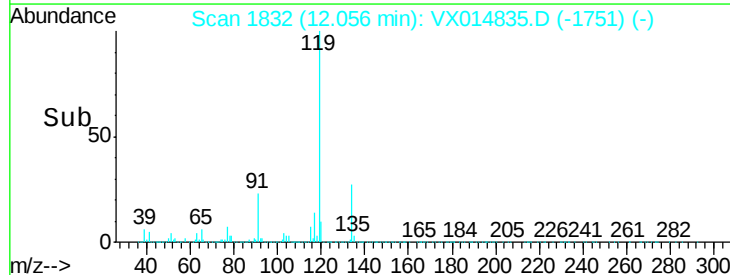
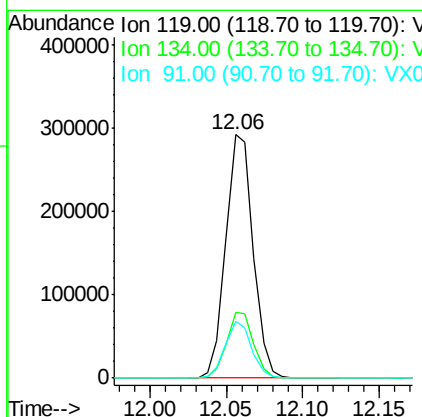
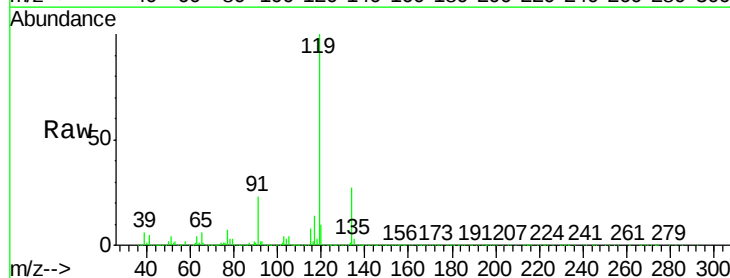
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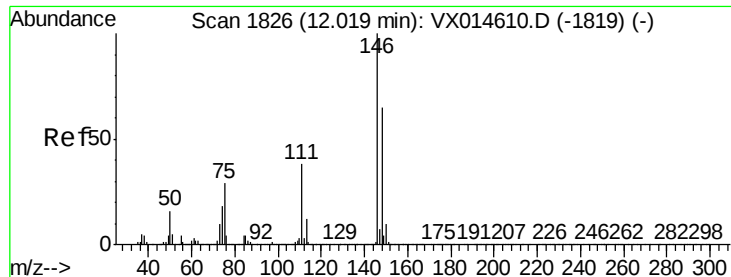
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 2/6/2020 1:32:15 PM



#82
 p-Isopropyltoluene
 Concen: 20.776 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	361364		
134	26.4	0.0	53.8	
91	22.3	0.0	45.0	





#83

1,3-Dichlorobenzene

Concen: 20.753 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Instrument :

MSVOA_X

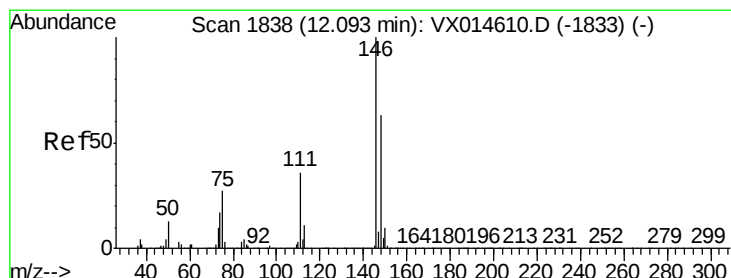
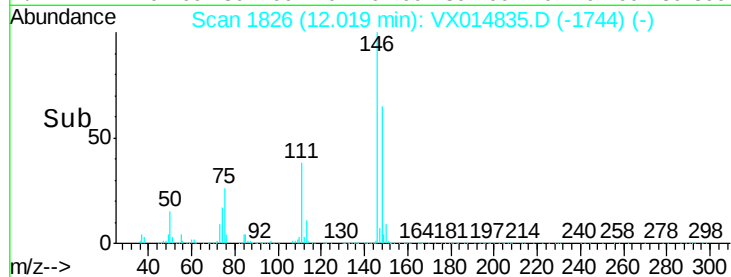
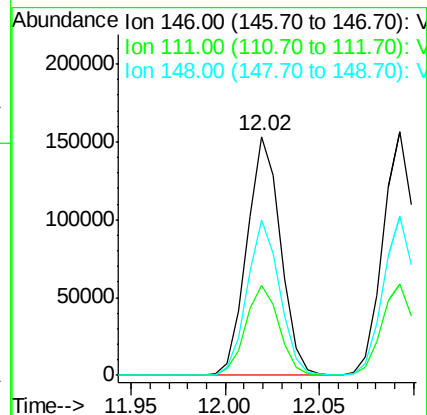
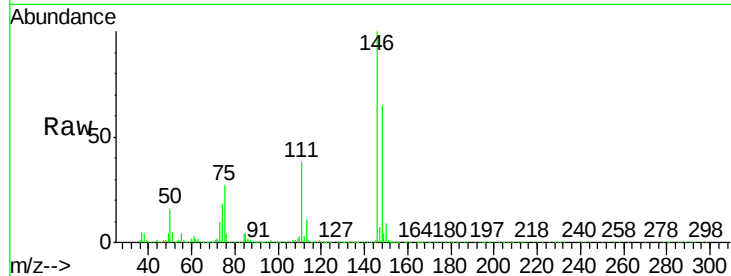
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	189692
Ion Ratio	Lower	Upper	
146	100		
111	37.2	19.3	57.9
148	62.9	32.2	96.6

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 20.575 ug/l

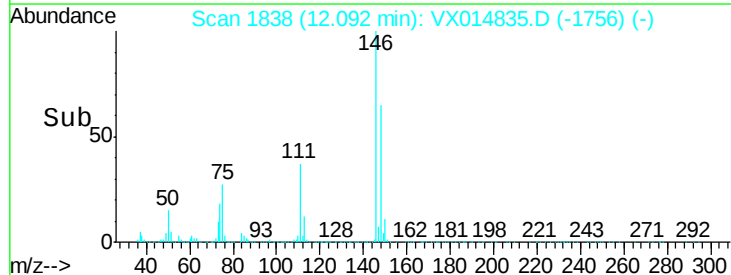
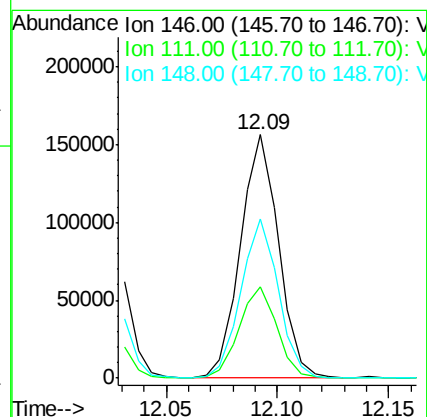
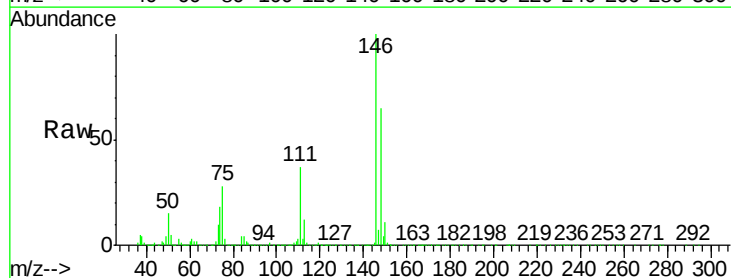
RT: 12.09 min Scan# 1838

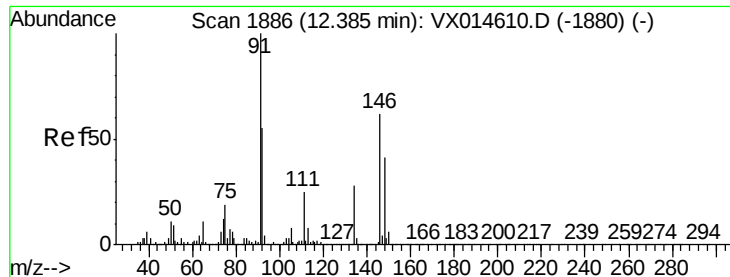
Delta R.T. 0.00 min

Lab File: VX014835.D

Acq: 05 Feb 2020 20:10

Tgt Ion:	146	Resp:	186451
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.4	55.4
148	64.3	32.0	96.0





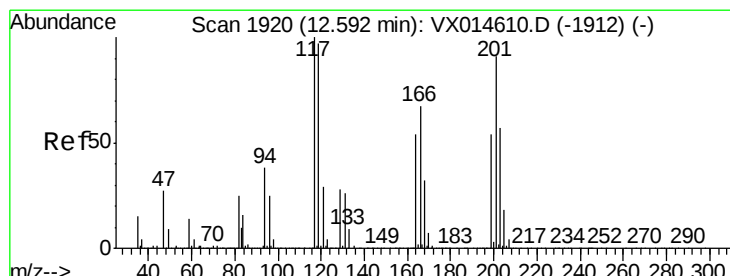
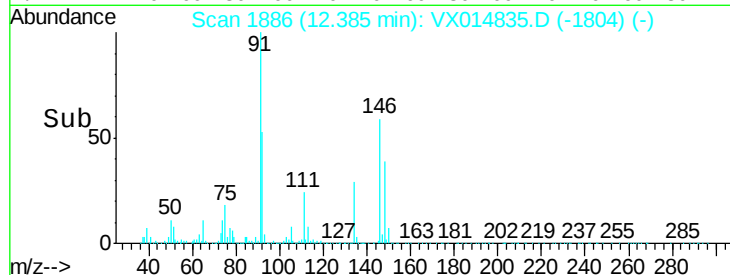
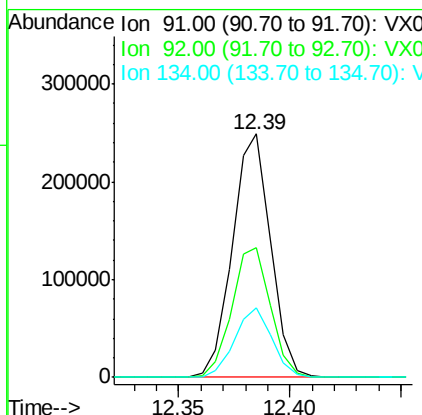
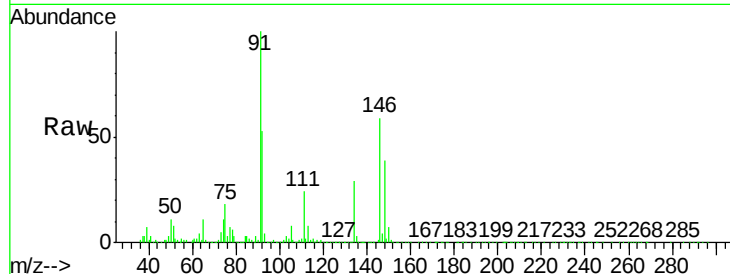
#85
n-Butylbenzene
Concen: 19.444 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	91	Resp:	295901
Ion Ratio		Lower	Upper
91	100		
92	54.2	0.0	109.0
134	28.3	0.0	54.0

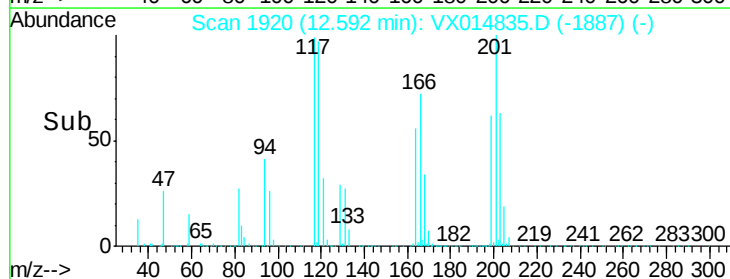
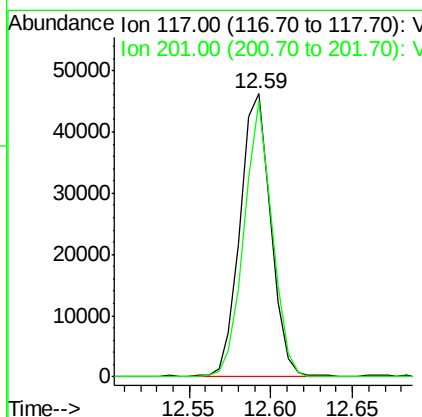
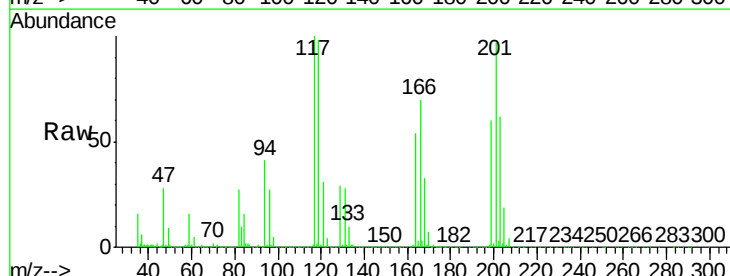
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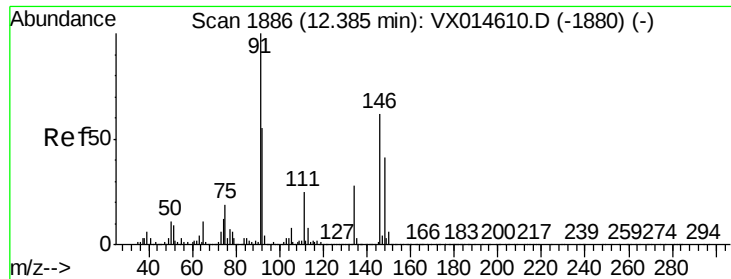
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#86
Hexachloroethane
Concen: 19.433 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion:	117	Resp:	60612
Ion Ratio		Lower	Upper
117	100		
201	89.4	44.8	134.3





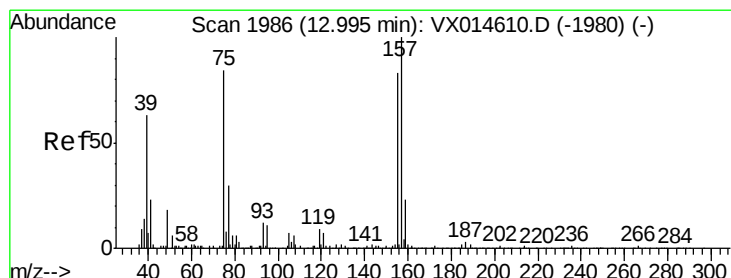
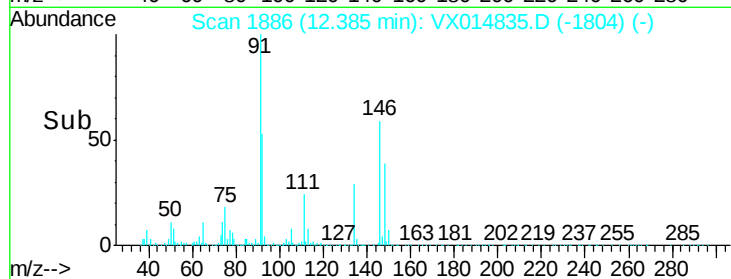
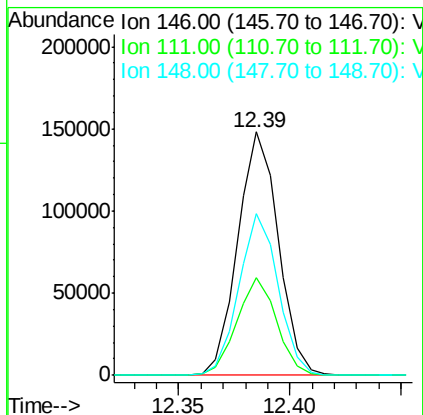
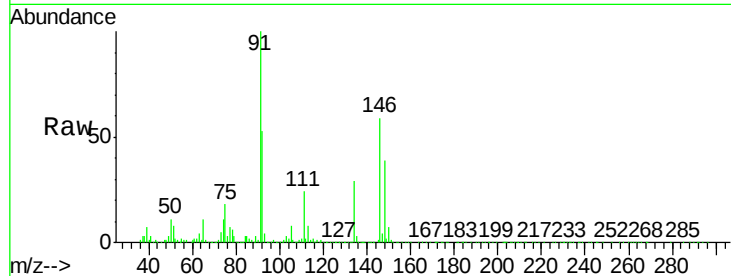
#87
 1,2-Dichlorobenzene
 Concen: 20.478 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.2
148	64.0	32.0	96.2

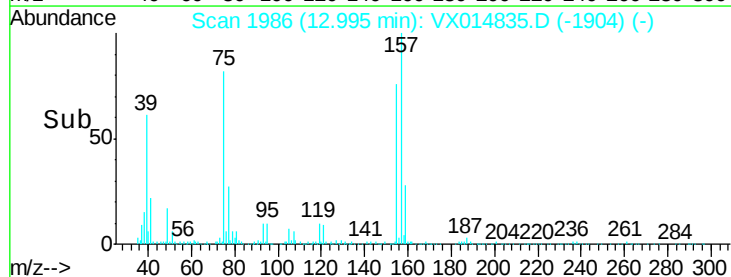
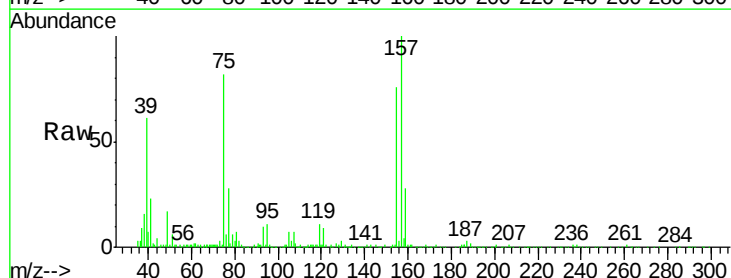
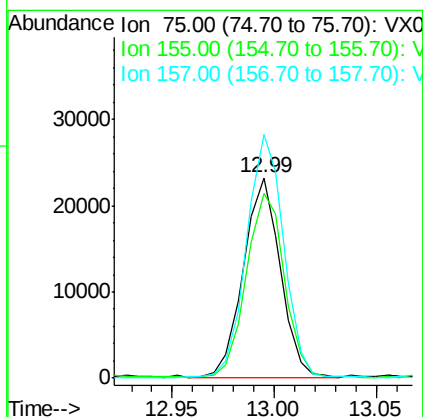
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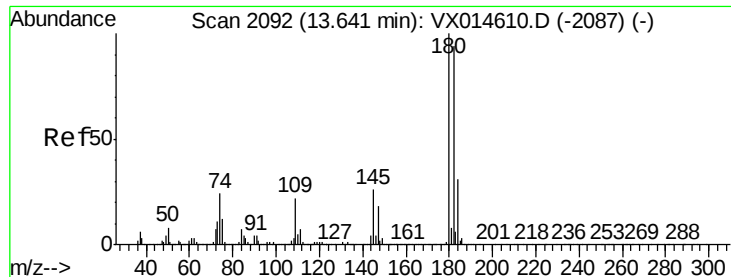
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.770 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014835.D
 Acq: 05 Feb 2020 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	73.8	110.6
157	122.3	95.0	142.4





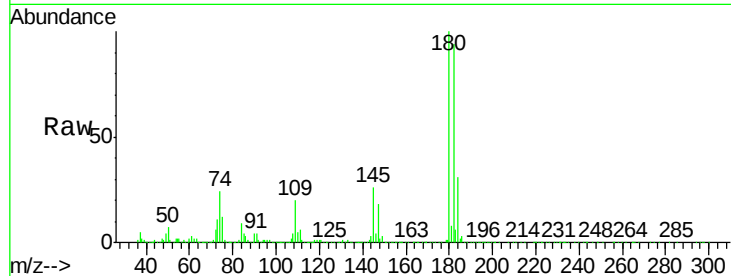
#89
1,2,4-Trichlorobenzene
Concen: 21.208 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

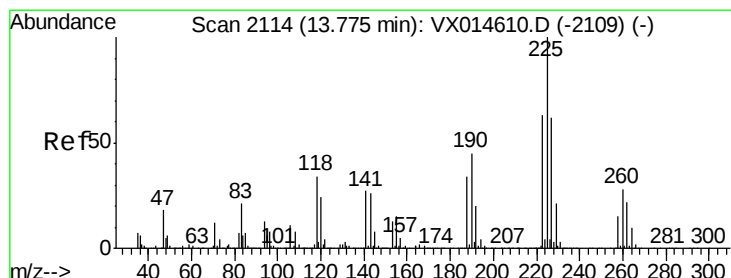
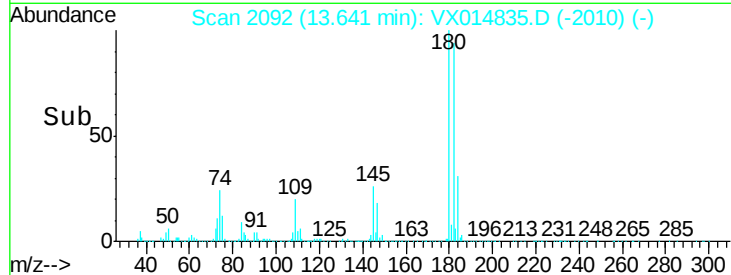
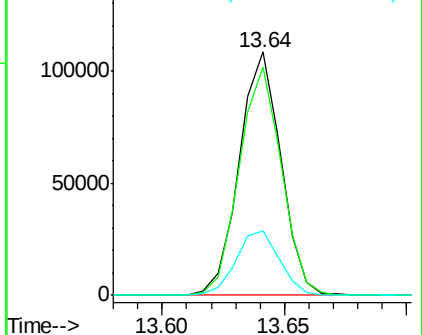
Tot Ion:	180	Resp:	129103
Ion Ratio	Lower	Upper	
180	100		
182	94.4	76.4	114.6
145	27.7	21.9	32.9

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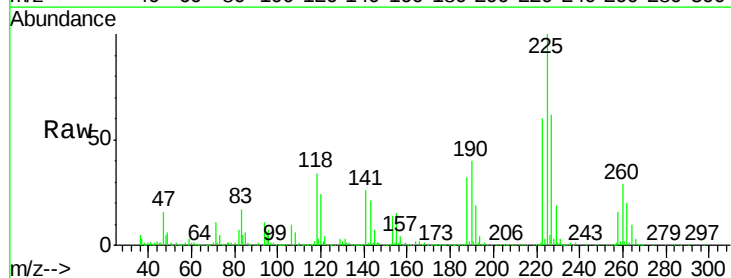


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

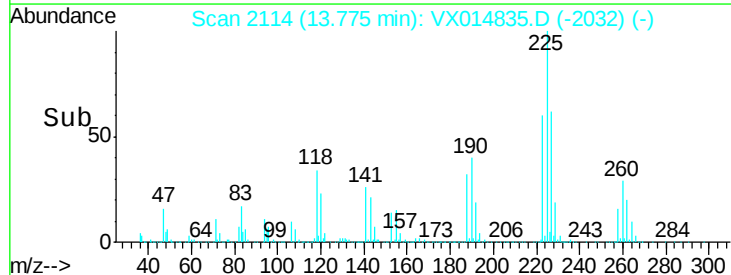
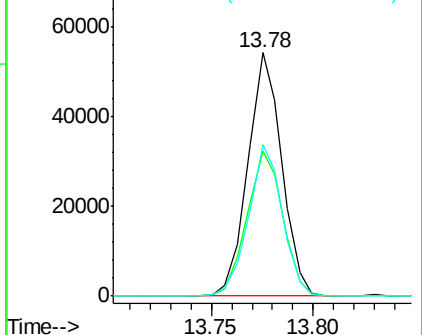


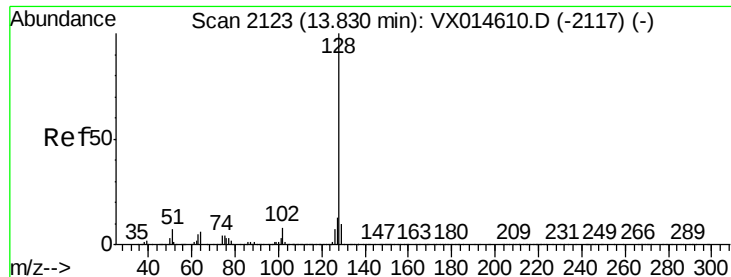
#90
Hexachlorobutadiene
Concen: 20.669 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion:	225	Resp:	62870
Ion Ratio	Lower	Upper	
225	100		
223	62.9	0.0	127.4
227	61.9	0.0	122.8



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





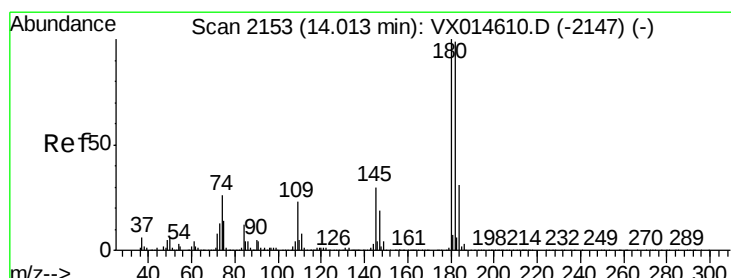
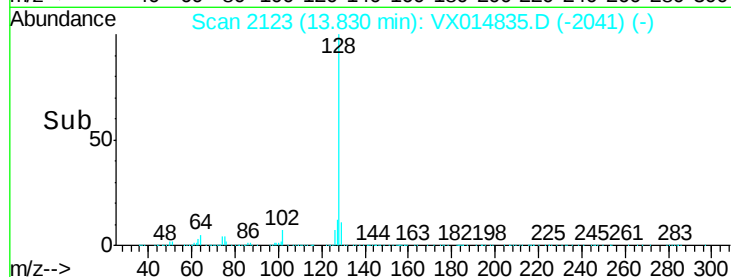
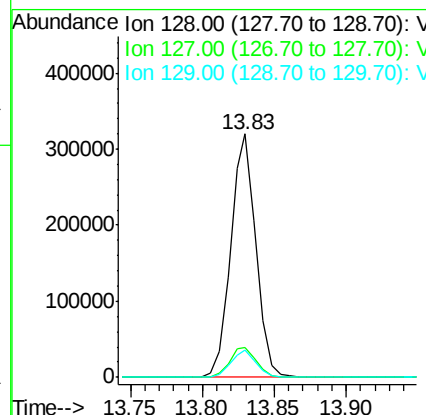
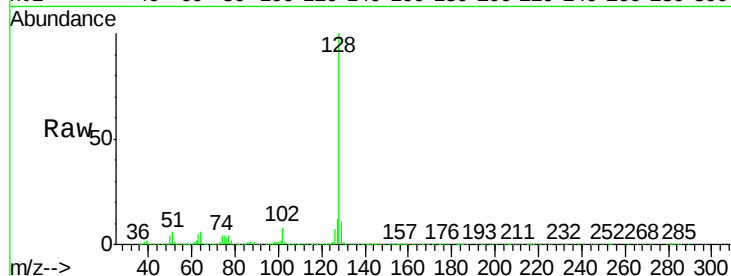
#91
Naphthalene
Concen: 21.316 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	391704
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.0	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 21.279 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014835.D
Acq: 05 Feb 2020 20:10

Tgt Ion:	180	Resp:	131848
Ion Ratio	Lower	Upper	
180	100		
182	95.9	0.0	192.8
145	29.8	0.0	60.0

