

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO020520\
 Data File : VX014825.D
 Acq On : 05 Feb 2020 16:17
 Operator : JC/SP
 Sample : L1377-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MSD

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:50 PM

Quant Time: Feb 06 04:00:15 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	69319	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	376670	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	339356	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	147717	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	11.13	95	162238	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	8.71	98	466032	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	96714	20.188	ug/l 99
3) Chloromethane	1.32	50	99580	18.986	ug/l 94
4) Vinyl Chloride	1.40	62	114486	19.440	ug/l 98
5) Bromomethane	1.64	94	66953	18.219	ug/l 98
6) Chloroethane	1.72	64	66167	19.930	ug/l 94
7) Trichlorofluoromethane	1.93	101	130857	20.068	ug/l 99
8) Diethyl Ether	2.18	74	57193	20.080	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78276	20.518	ug/l 98
10) 1,1-Dichloroethene	2.37	96	76104	19.832	ug/l 97
11) Methyl Iodide	2.51	142	102827	19.981	ug/l 100
12) Methyl Acetate	2.76	43	139163	20.075	ug/l 97
13) Acrolein	2.28	56	65629	90.134	ug/l 100
14) Acrylonitrile	3.13	53	230044	96.985	ug/l 99
15) Acetone	2.43	58	59012	74.211	ug/l 79
16) Carbon Disulfide	2.56	76	196015	18.599	ug/l 99
17) Allyl chloride	2.72	41	134217	18.899	ug/l 94
18) Methylene Chloride	2.85	84	87649	19.516	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	80764	19.551	ug/l 99
20) Diisopropyl ether	3.84	45	277455	19.747	ug/l 99
21) 1,1-Dichloroethane	3.69	63	151210	19.809	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	94072	19.817	ug/l 98
23) tert-Butyl Alcohol	3.02	59	89006	90.734	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	259506	20.320	ug/l 98
25) Chloroform	5.20	83	149366	20.200	ug/l 99
26) Cyclohexane	5.58	56	133692	18.988	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	109100	19.749	ug/l 99
30) 2-Butanone	4.65	43	318346	90.973	ug/l 100
31) 2,2-Dichloropropane	4.58	77	115800	19.591	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	123667	20.235	ug/l 99
33) Carbon Tetrachloride	5.78	117	106984	20.390	ug/l 99
34) Benzene	6.14	78	341396	20.000	ug/l 97
35) Methacrylonitrile	5.03	41	68669	19.648	ug/l 97
36) 1,2-Dichloroethane	6.18	62	120785	20.332	ug/l 100
37) Trichloroethene	7.21	130	91936	19.670	ug/l 99
38) Methylcyclohexane	7.46	83	132619	19.281	ug/l 98
39) 1,2-Dichloropropane	7.51	63	87105	19.623	ug/l 94
40) Dibromomethane	7.65	93	57918	20.303	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	112783	20.189	ug/l	99
42) Vinyl Acetate	3.80	43	1047103	97.082	ug/l	99
43) Ethyl Acetate	4.83	43	121648	19.203	ug/l	96
44) Isopropyl Acetate	6.43	43	201837	19.751	ug/l	99
45) 1,4-Dioxane	7.73	88	36004	352.213	ug/l	97
46) Methyl methacrylate	7.76	41	98792	19.658	ug/l	99
47) n-amyl Acetate	10.89	43	165589	19.339	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	120766	19.801	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	132647	19.302	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	89536	20.626	ug/l	98
51) Ethyl methacrylate	9.17	69	131378	19.438	ug/l	97
52) 1,3-Dichloropropane	9.37	76	148312	20.166	ug/l	100
53) Dibromochloromethane	9.57	129	88988	20.042	ug/l	100
54) 1,2-Dibromoethane	9.67	107	91807	20.393	ug/l	99
56) Bromoform	10.85	173	67241	19.661	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	634193	99.238	ug/l	99
59) 2-Hexanone	9.48	43	477546	96.622	ug/l	99
61) Tetrachloroethene	9.33	164	90940	18.131	ug/l	99
62) Toluene	8.78	91	368329	20.458	ug/l	100
64) Chlorobenzene	10.14	112	229132	20.386	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.21	131	85329	20.556	ug/l	99
66) Ethyl Benzene	10.25	91	398429	20.317	ug/l	100
67) m/p-Xylenes	10.35	106	305215	40.632	ug/l	100
68) o-Xylene	10.70	106	147511	20.166	ug/l	99
69) Styrene	10.71	104	245100	19.777	ug/l	99
70) Isopropylbenzene	11.01	105	392155	20.464	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	136368	21.126	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	110013m	19.924	ug/l	
73) Bromobenzene	11.25	156	103152	20.306	ug/l	98
74) n-propylbenzene	11.35	91	443971	20.275	ug/l	99
75) 2-Chlorotoluene	11.42	91	268998	20.497	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	326999	20.479	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	39081	18.391	ug/l	97
78) 4-Chlorotoluene	11.51	91	303150	20.340	ug/l	99
79) tert-butylbenzene	11.76	119	311983	20.881	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	324473	20.374	ug/l	100
81) sec-Butylbenzene	11.94	105	374496	20.256	ug/l	98
82) p-Isopropyltoluene	12.06	119	340928	20.200	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	178520	20.127	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	181268	20.613	ug/l	99
85) n-Butylbenzene	12.39	91	288326	19.524	ug/l	98
86) Hexachloroethane	12.59	117	59601	19.692	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	183646	20.520	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27598	20.015	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	120696	20.432	ug/l	99
90) Hexachlorobutadiene	13.78	225	59350	20.107	ug/l	99
91) Naphthalene	13.83	128	369140	20.701	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	126871	21.100	ug/l	98

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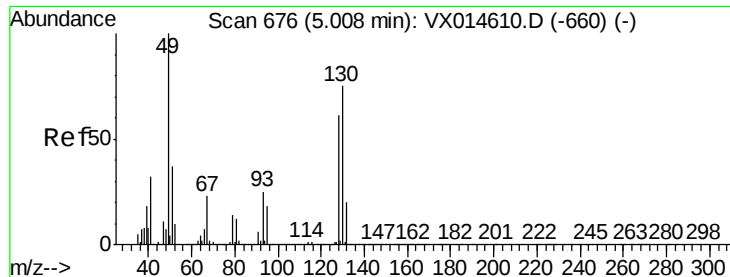
Manual Integrations
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Quant Time: Feb 06 04:00:15 2020
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QLast Update : Wed Jan 15 12:41:12 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

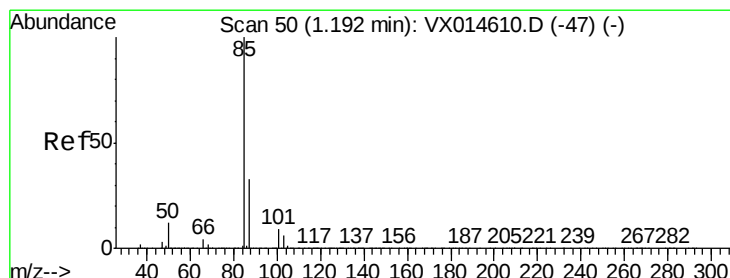
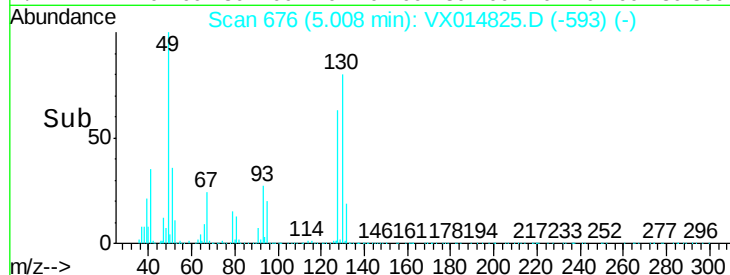
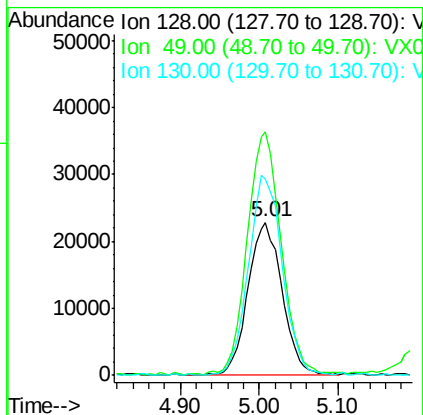
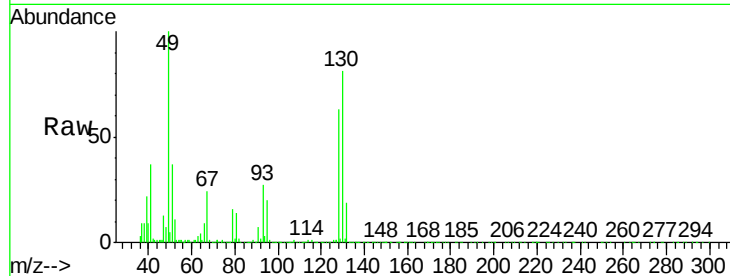
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
128	100		
49	151.5	0.0	405.0
130	127.9	0.0	321.5

Manual Integrations
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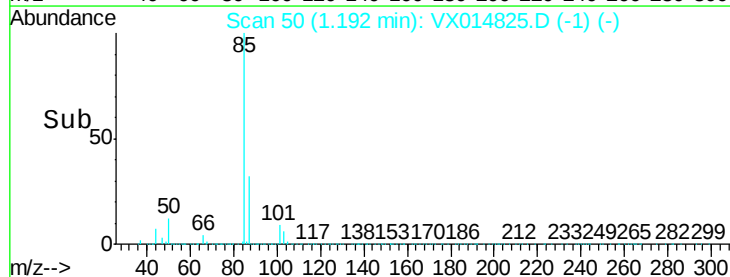
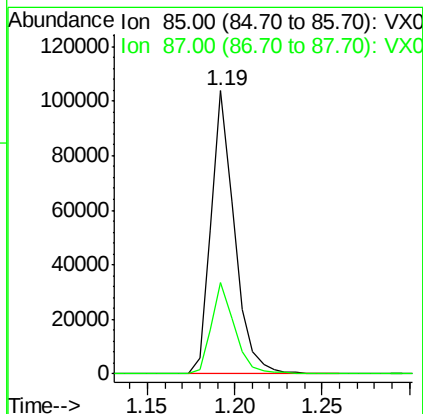
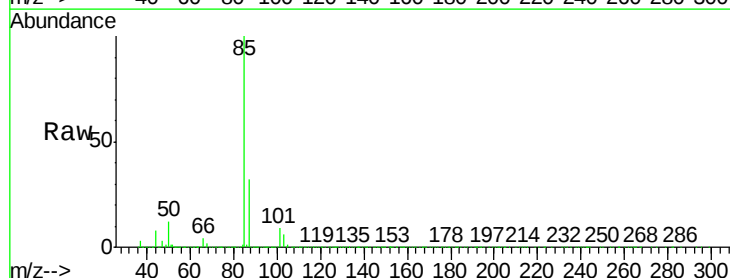
MMDadoda
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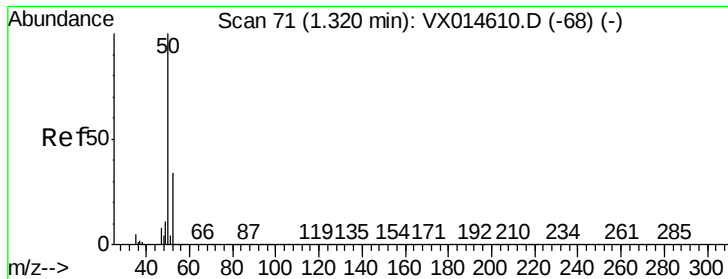


#2

Dichlorodifluoromethane
Concen: 20.188 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.3	48.9





#3

Chloromethane

Concen: 18.986 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 50 Resp: 99580

Ion Ratio Lower Upper

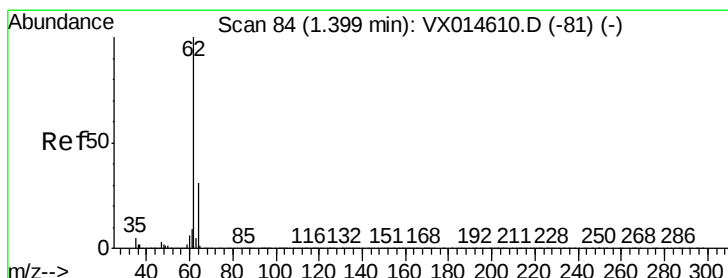
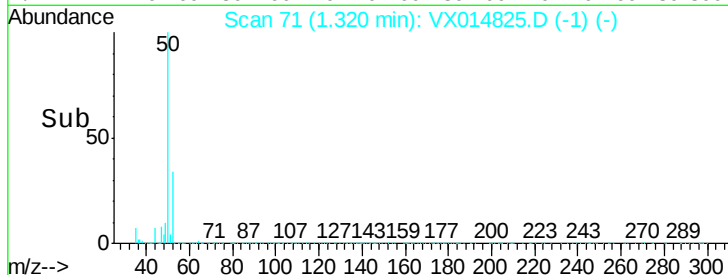
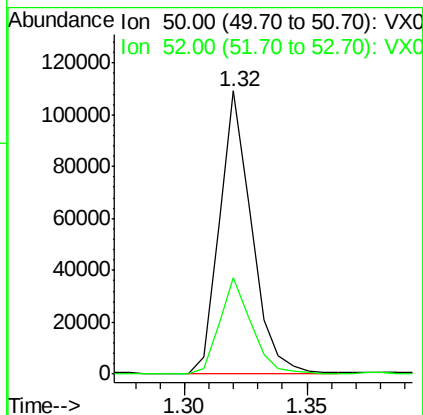
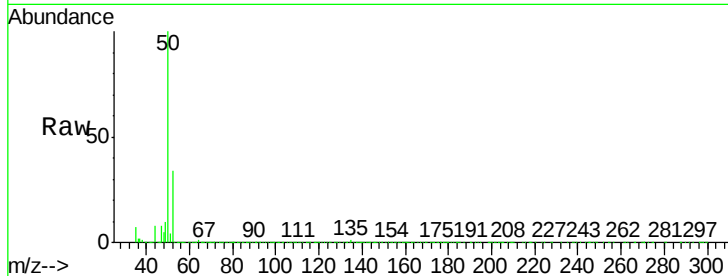
50 100

52 33.9 24.3 36.5

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#4

Vinyl Chloride

Concen: 19.440 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014825.D

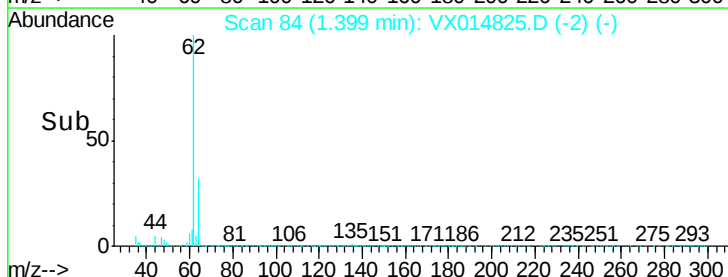
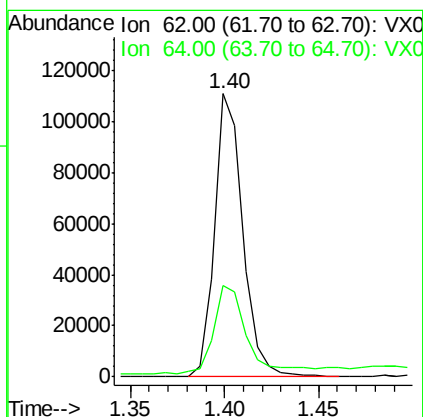
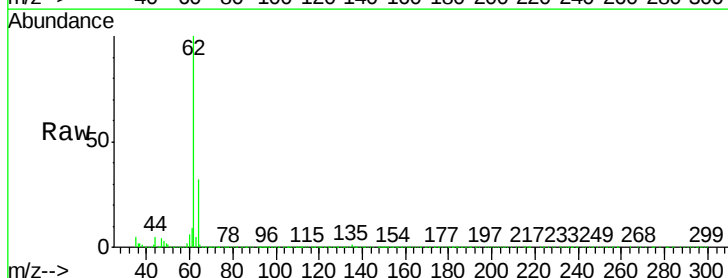
Acq: 05 Feb 2020 16:17

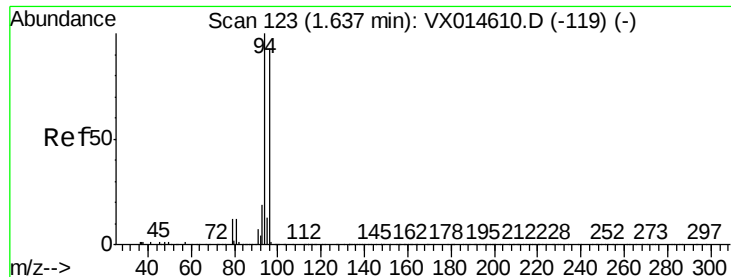
Tgt Ion: 62 Resp: 114486

Ion Ratio Lower Upper

62 100

64 30.3 25.2 37.8





#5

Bromomethane

Concen: 18.219 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 94 Resp: 66953

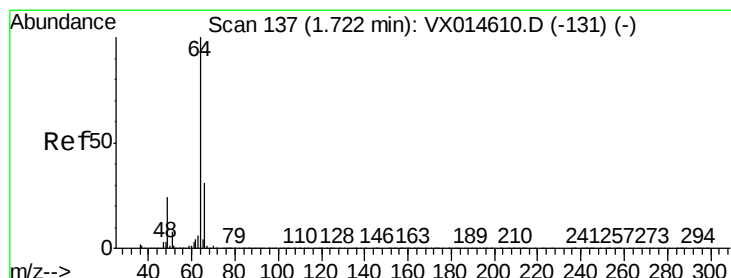
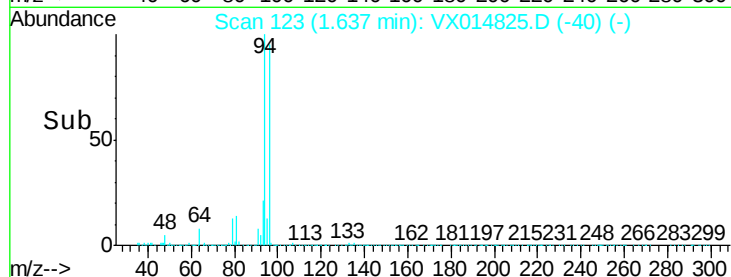
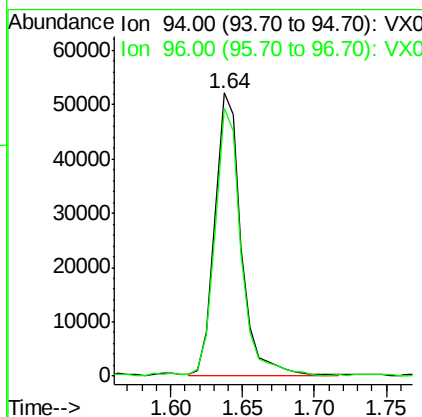
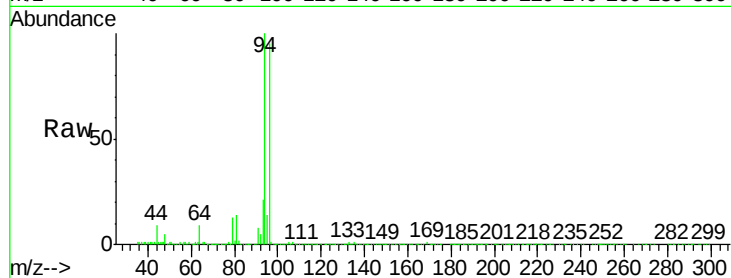
Ion Ratio Lower Upper

94 100

96 94.6 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 19.930 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014825.D

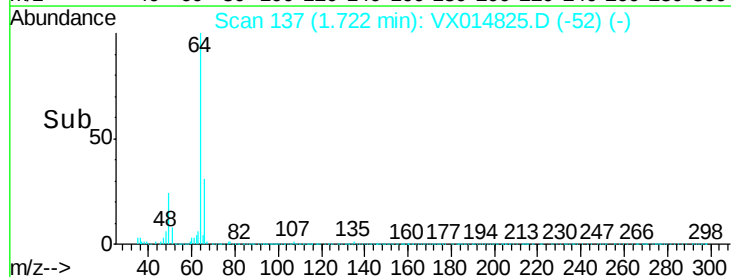
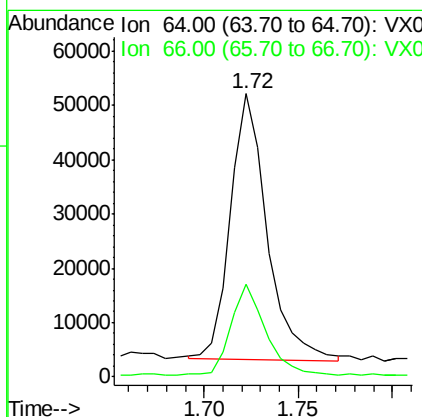
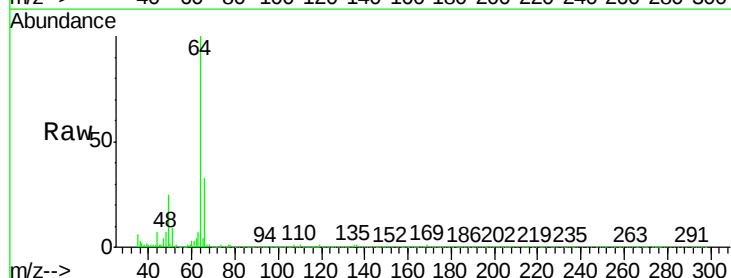
Acq: 05 Feb 2020 16:17

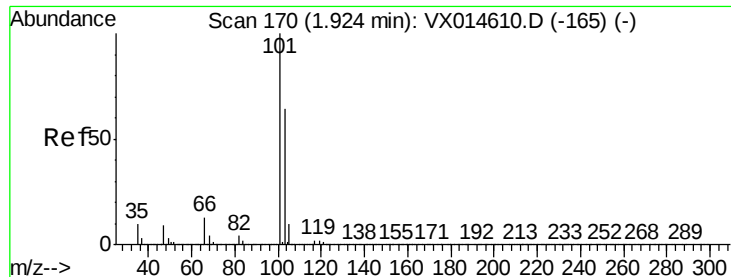
Tgt Ion: 64 Resp: 66167

Ion Ratio Lower Upper

64 100

66 34.7 25.2 37.8





#7

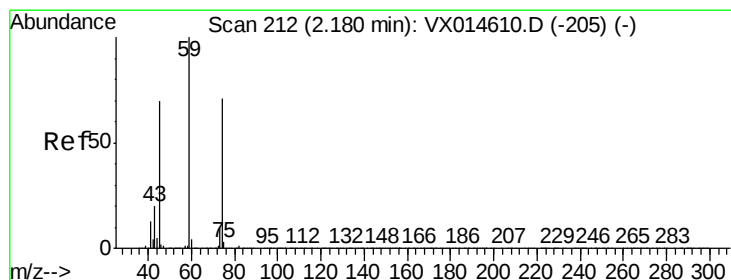
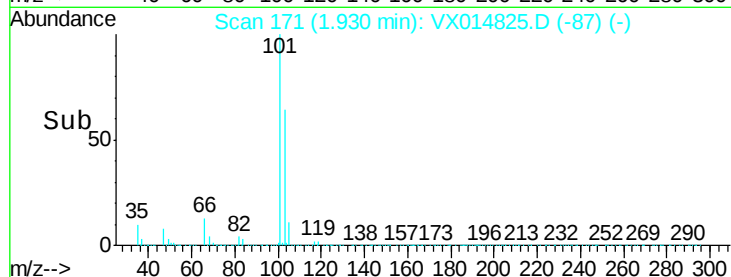
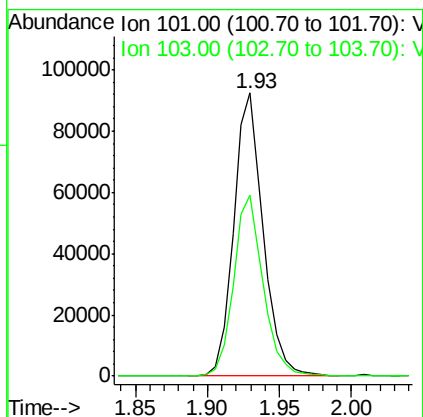
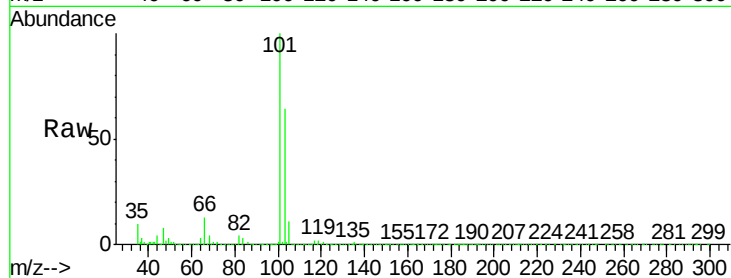
Trichlorofluoromethane
Concen: 20.068 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
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ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	130857		
103	63.8	51.6	77.4	

Manual Integrations
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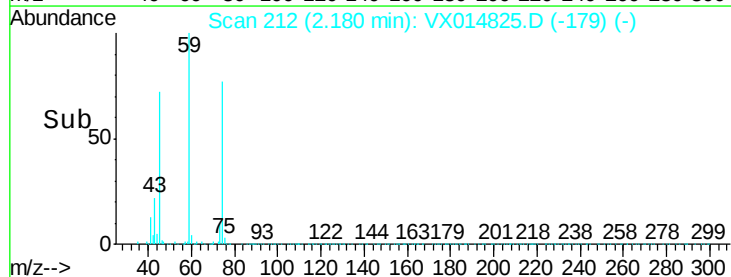
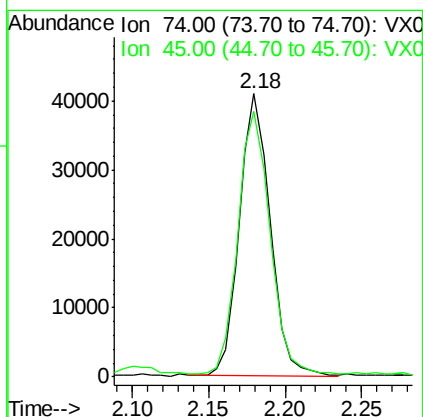
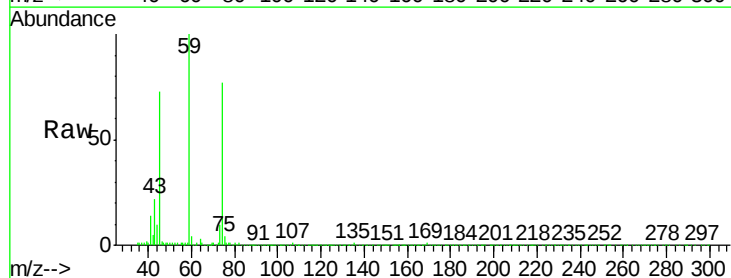
MMDadoda
2/6/2020 1:32:50 PM

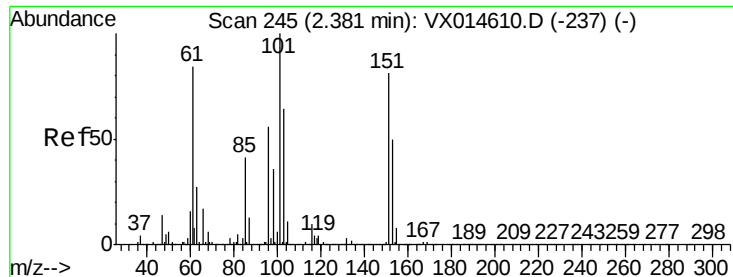


#8

Diethyl Ether
Concen: 20.080 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57193		
45	98.1	20.6	185.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.518 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

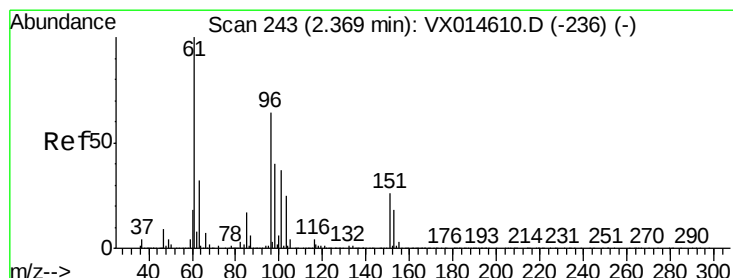
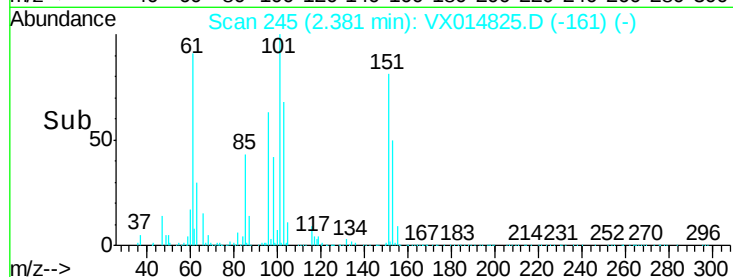
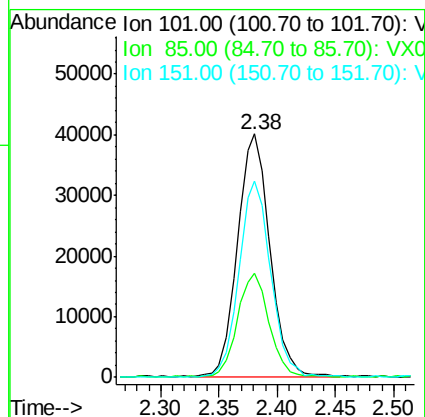
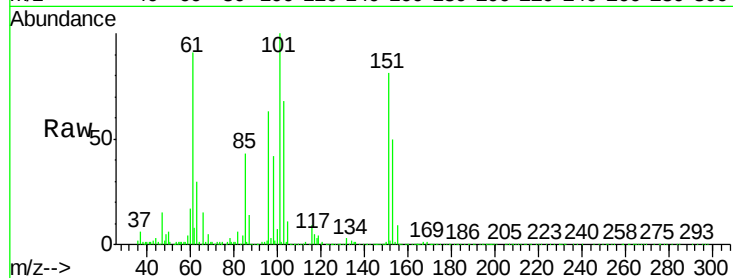
ClientSampled :

BW-2MSD

Tot Ion:	101	Resp:	78276
Ion Ratio	Lower	Upper	
101	100		
85	41.2	0.0	85.6
151	78.4	0.0	159.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.832 ug/l

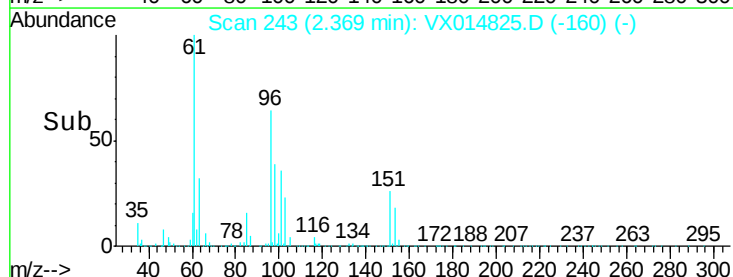
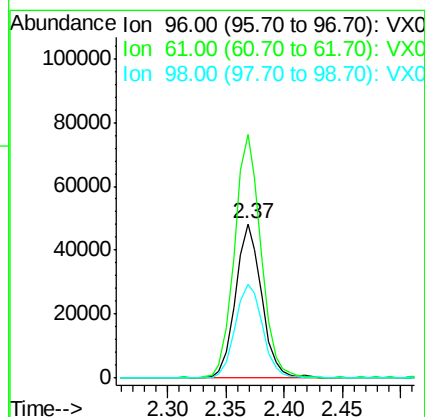
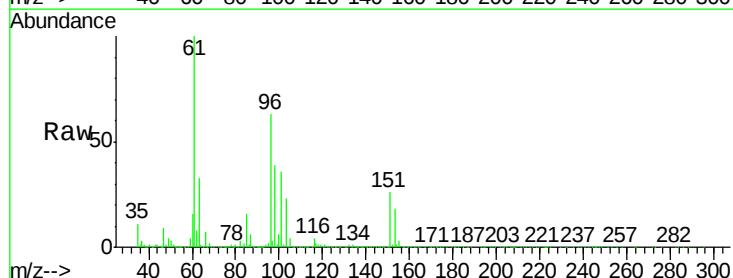
RT: 2.37 min Scan# 243

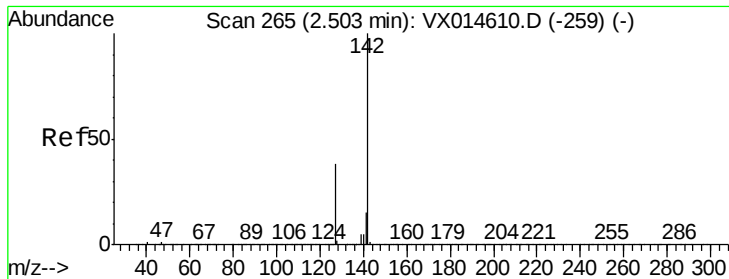
Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Tgt Ion:	96	Resp:	76104
Ion Ratio	Lower	Upper	
96	100		
61	157.6	123.0	184.6
98	61.0	51.4	77.0





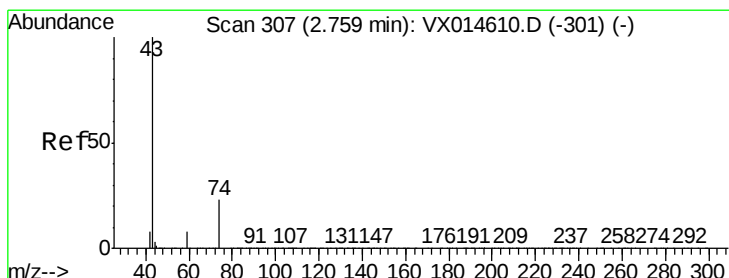
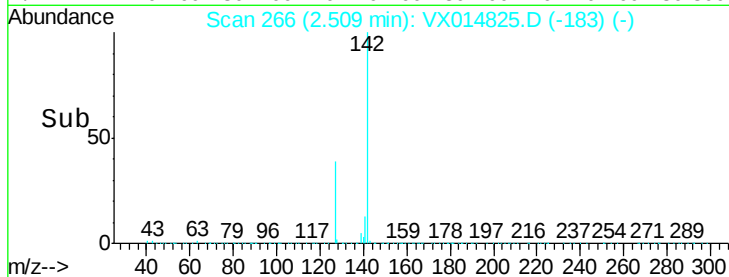
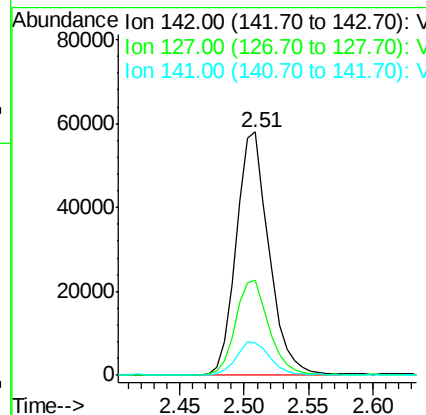
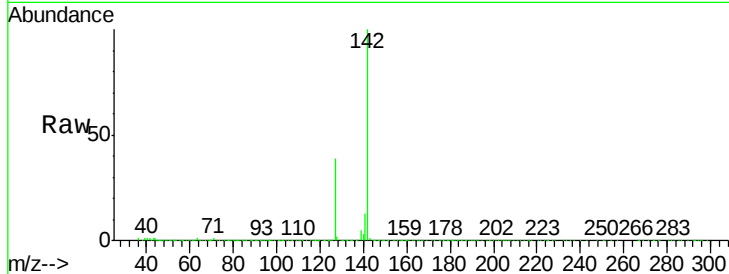
#11
Methvl Iodide
Concen: 19.981 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.0	19.5	58.5
141	13.2	7.0	20.9

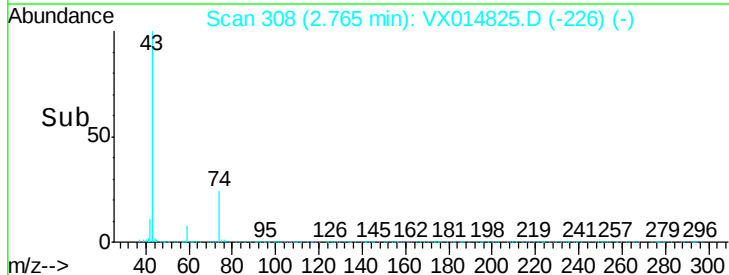
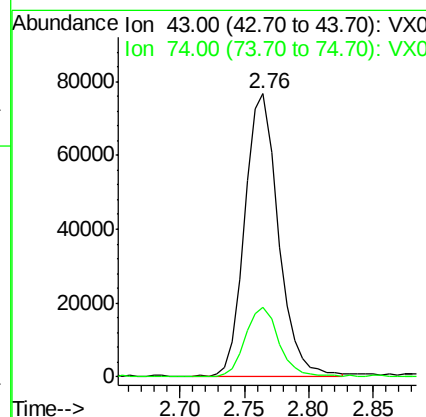
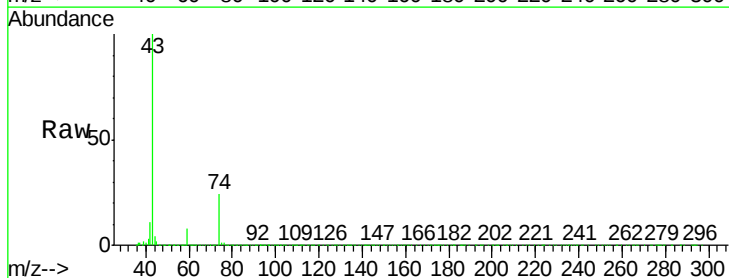
Manual Integrations
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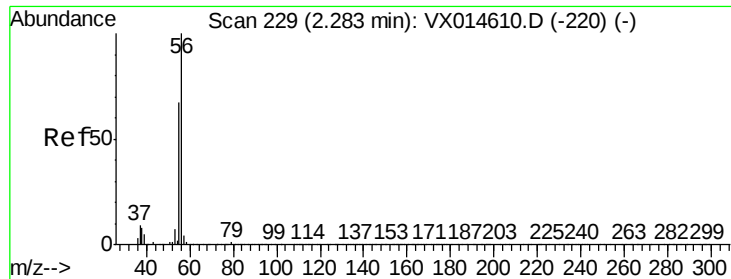
MMDadoda
2/6/2020 1:32:50 PM



#12
Methyl Acetate
Concen: 20.075 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.5	27.7





#13

Acrolein

Concen: 90.134 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 56 Resp: 65629

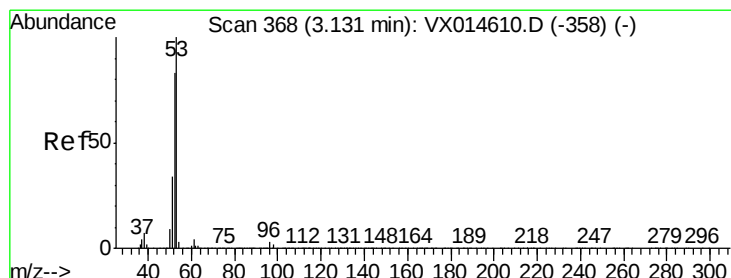
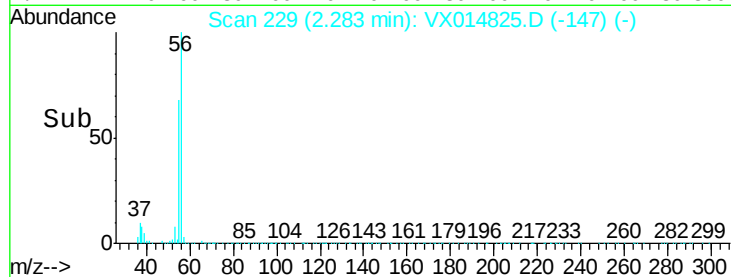
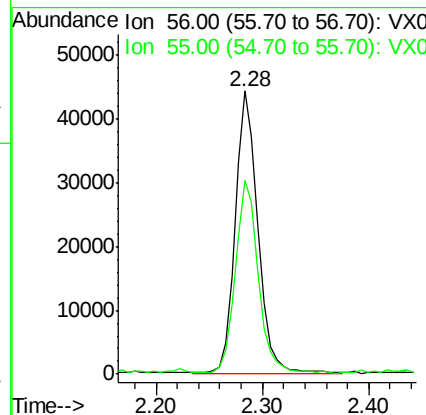
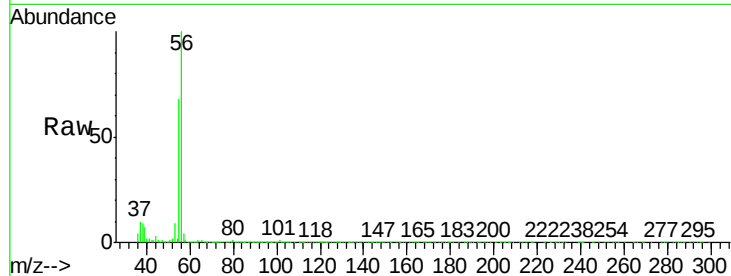
Ion Ratio Lower Upper

56 100

55 68.6 54.9 82.3

Manual Integrations
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#14

Acrylonitrile

Concen: 96.985 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

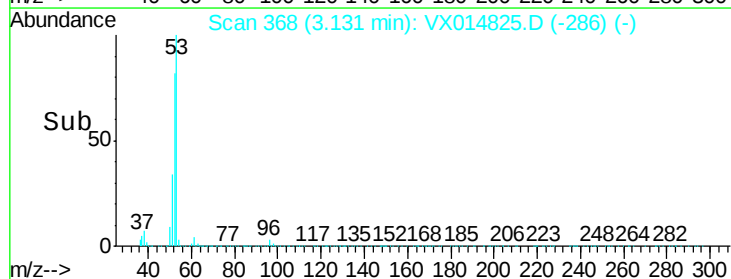
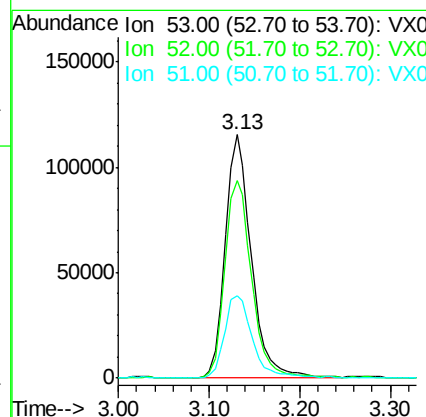
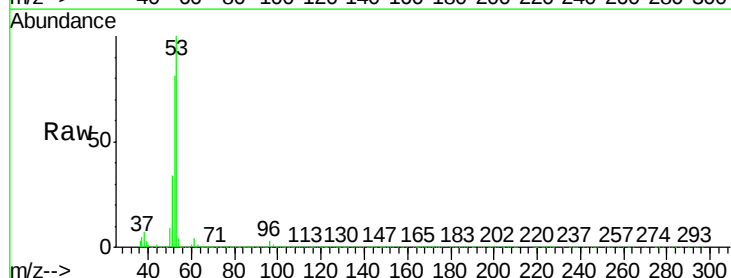
Tgt Ion: 53 Resp: 230044

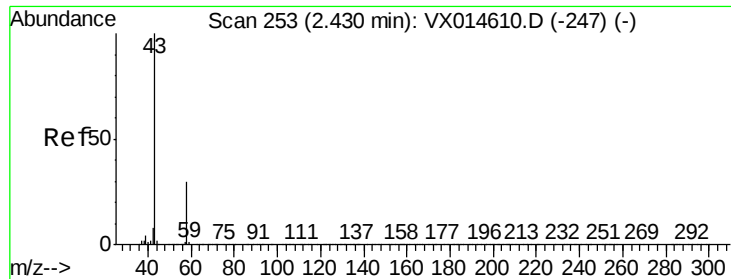
Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.6

51 35.9 17.8 53.5





#15

Acetone

Concen: 74.211 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 58 Resp: 59012

Ion Ratio Lower Upper

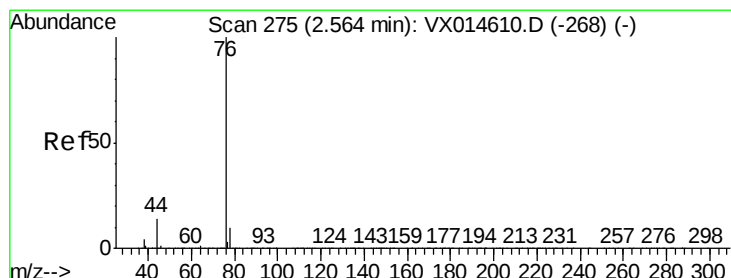
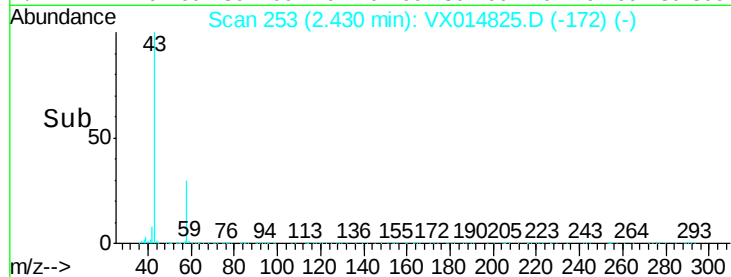
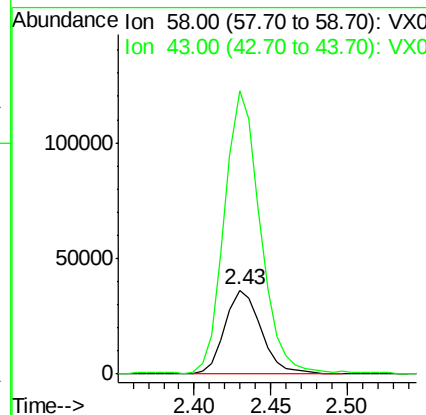
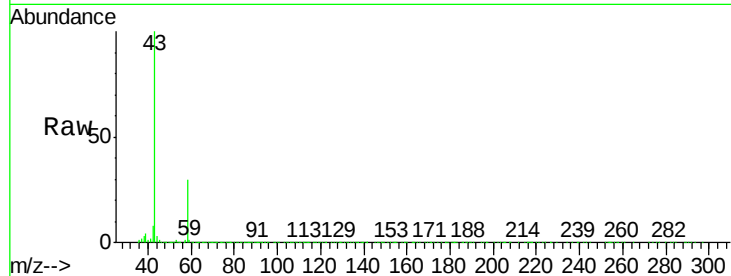
58 100

43 336.2 236.3 354.5

Manual Integrations
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#16

Carbon Disulfide

Concen: 18.599 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014825.D

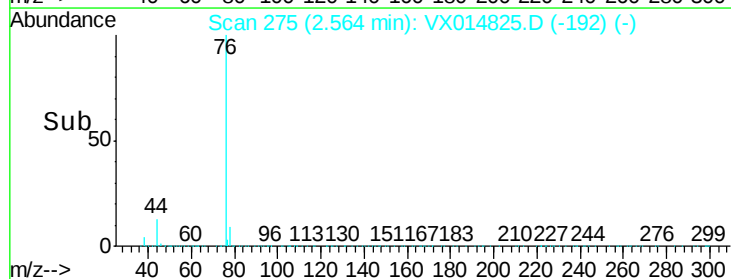
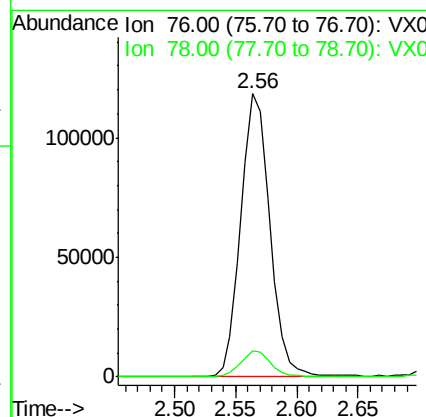
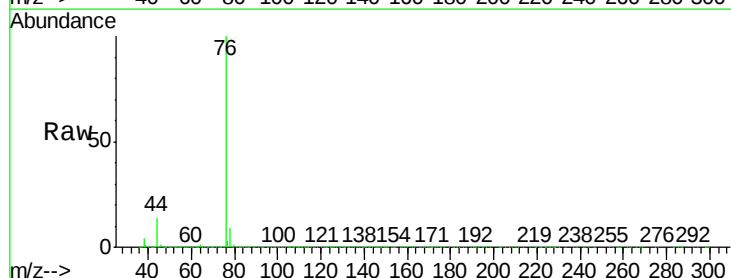
Acq: 05 Feb 2020 16:17

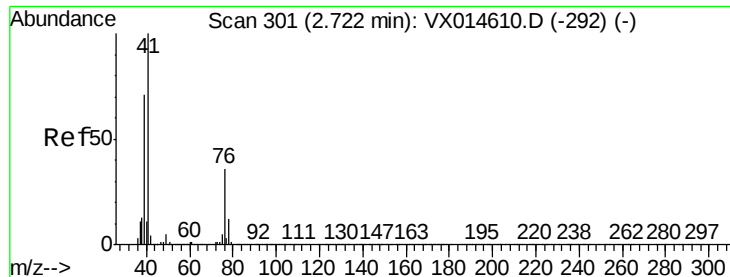
Tgt Ion: 76 Resp: 196015

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.8





#17

Allvl chloride

Concen: 18.899 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

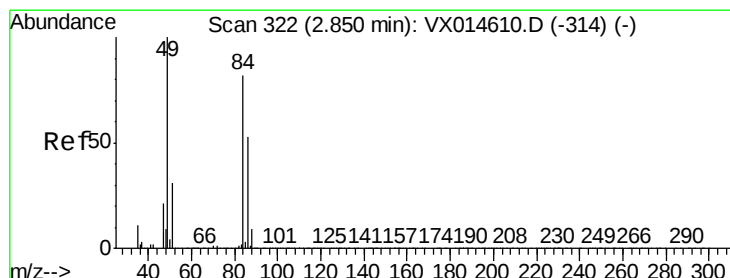
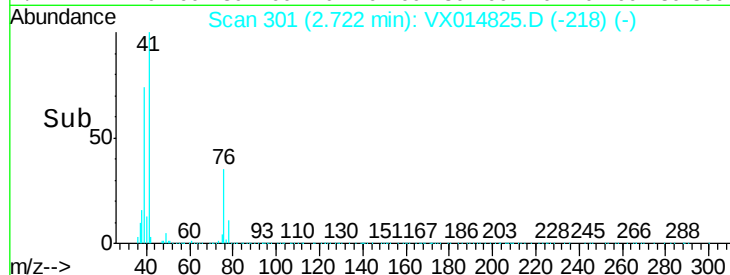
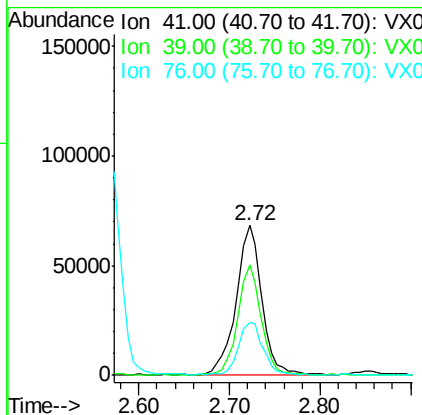
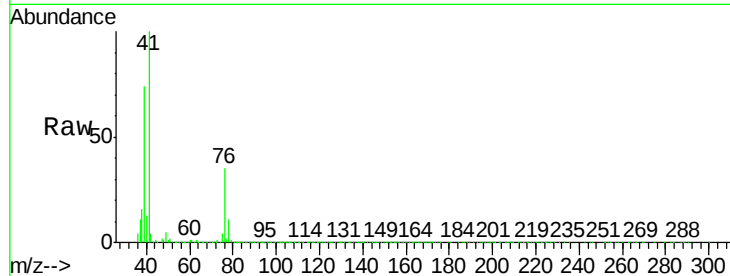
ClientSampleId :

BW-2MSD

Tot Ion:	41	Resp:	134217
Ion Ratio		Lower	Upper
41	100		
39	73.9	33.4	100.2
76	34.6	17.0	50.9

Manual Integrations
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#18

Methylene Chloride

Concen: 19.516 ug/l

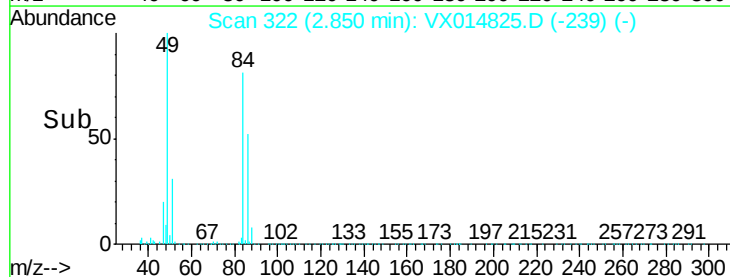
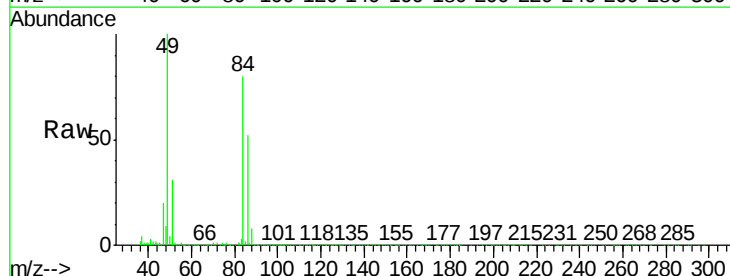
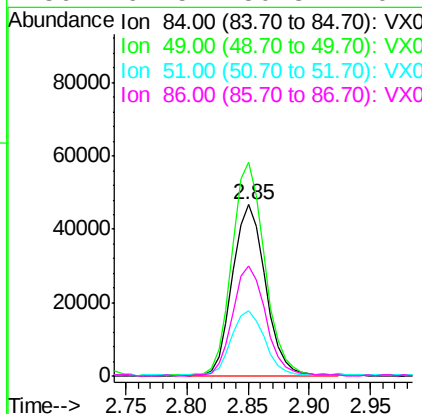
RT: 2.85 min Scan# 322

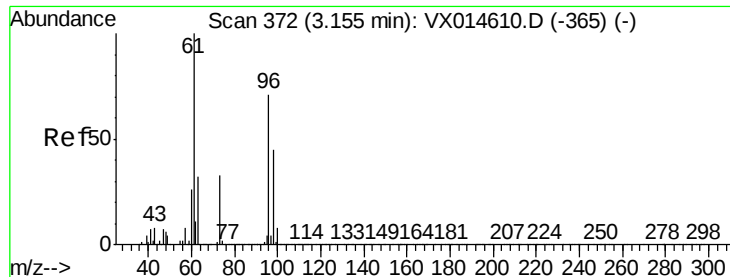
Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Tgt Ion:	84	Resp:	87649
Ion Ratio		Lower	Upper
84	100		
49	124.4	102.2	153.2
51	37.6	31.4	47.0
86	64.5	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 19.551 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

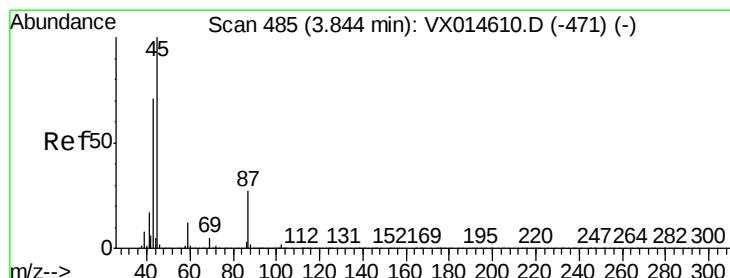
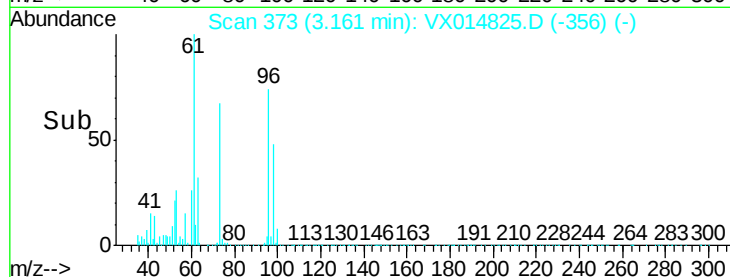
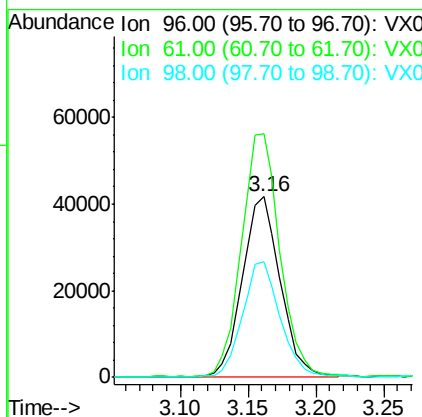
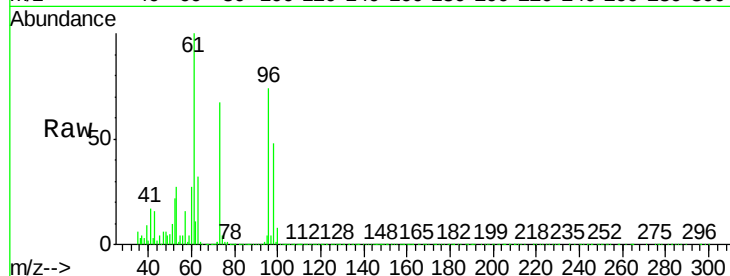
ClientSampleId :

BW-2MSD

Tot Ion:	96	Resp:	80764
Ion	Ratio	Lower	Upper
96	100		
61	135.1	106.6	159.8
98	64.0	51.6	77.4

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#20

Diisopropyl ether

Concen: 19.747 ug/l

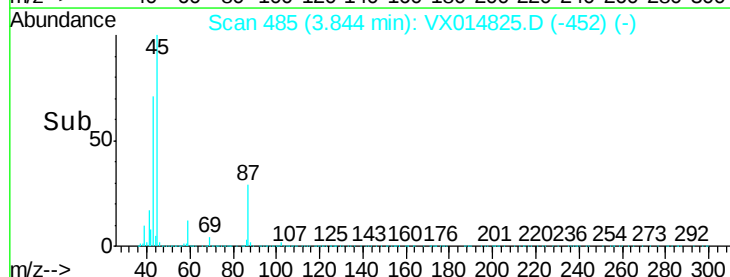
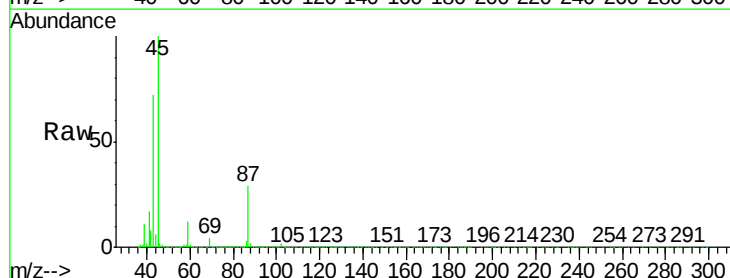
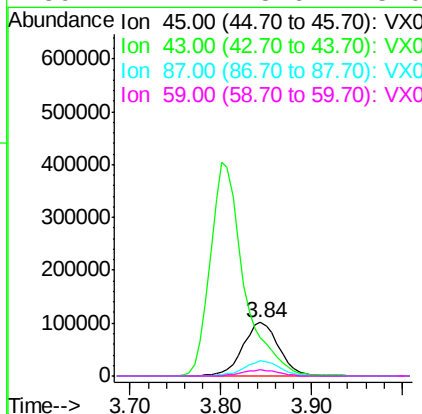
RT: 3.84 min Scan# 485

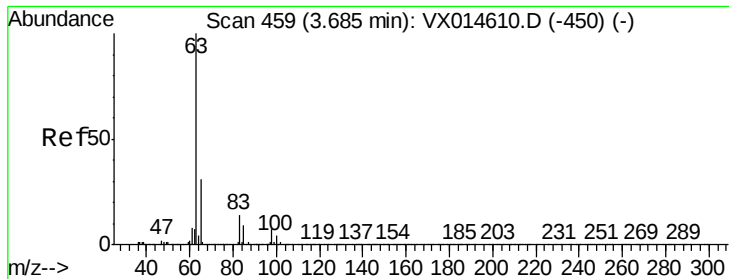
Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Tgt Ion:	45	Resp:	277455
Ion	Ratio	Lower	Upper
45	100		
43	70.6	55.9	83.9
87	28.7	22.2	33.2
59	11.7	8.6	13.0





#21

1,1-Dichloroethane

Concen: 19.809 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

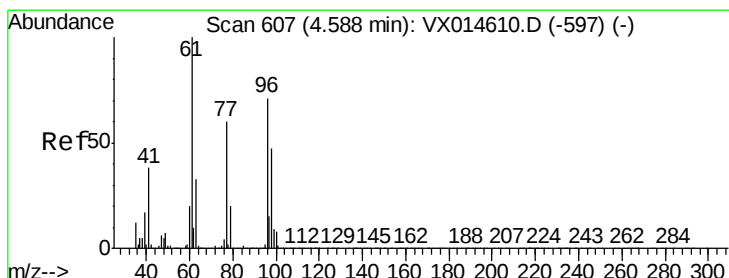
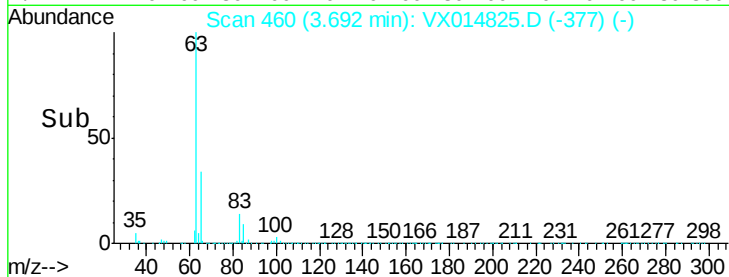
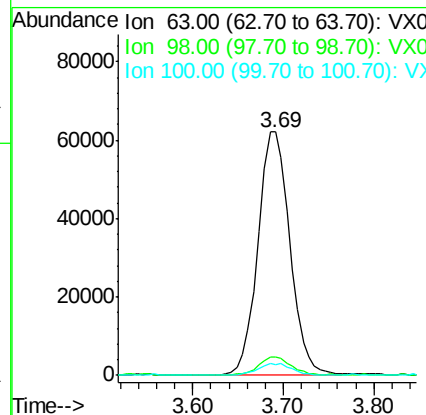
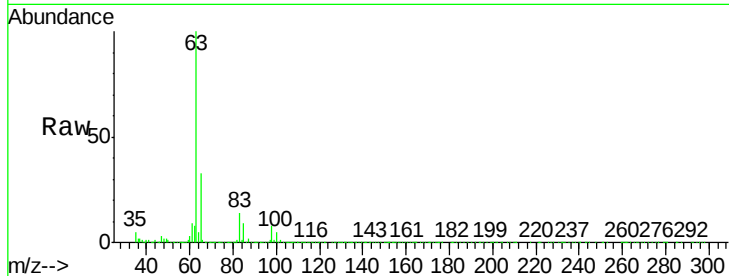
ClientSampleId :

BW-2MSD

Tot Ion:	63	Resp:	151210
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.4	10.1
100	4.3	2.5	7.4

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.817 ug/l

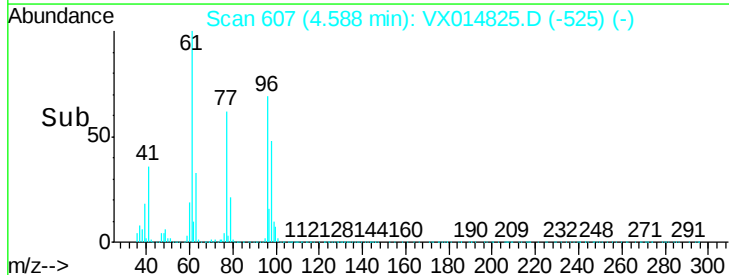
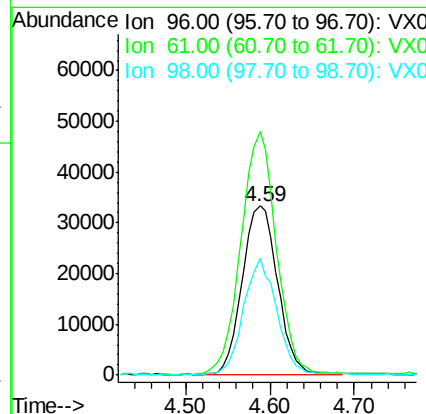
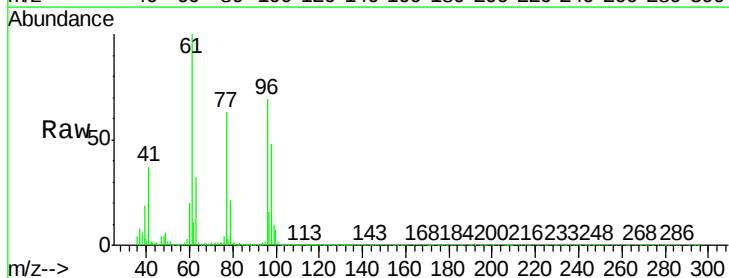
RT: 4.59 min Scan# 607

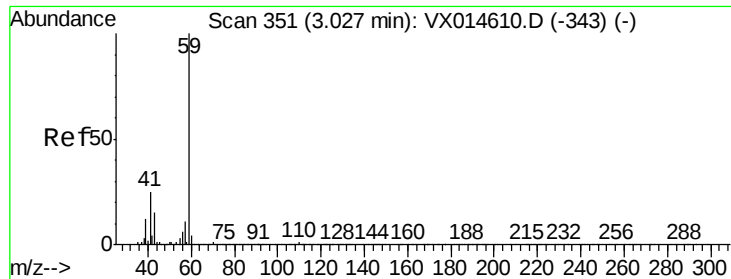
Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Tgt Ion:	96	Resp:	94072
Ion Ratio	Lower	Upper	
96	100		
61	143.4	112.4	168.6
98	64.2	50.3	75.5





#23

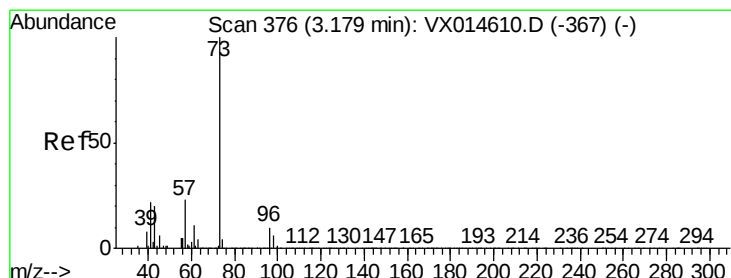
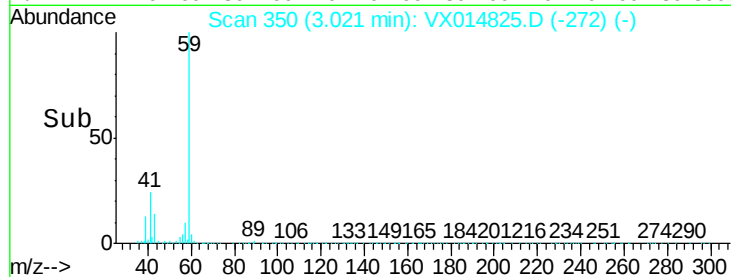
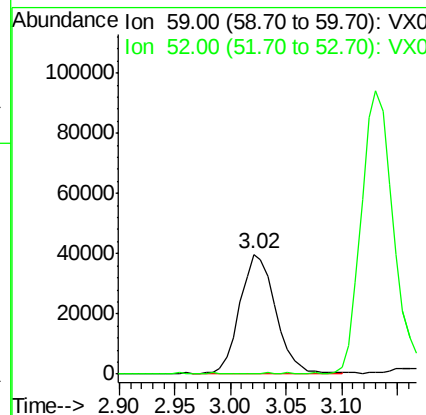
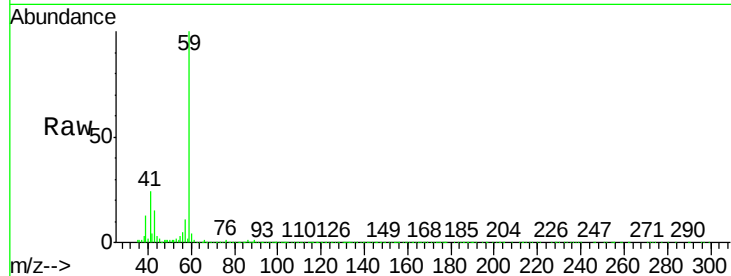
tert-Butyl Alcohol
 Concen: 90.734 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Instrument :
 MSVOA_X
 ClientSampled :
 BW-2MSD

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

Manual Integrations
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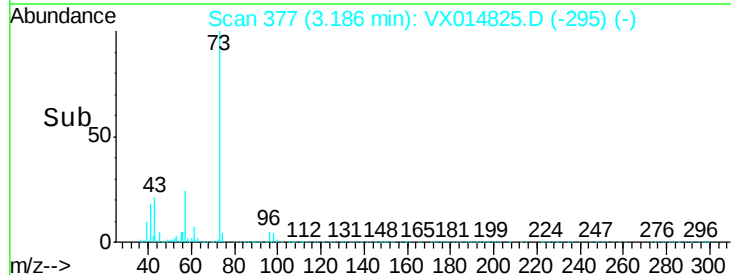
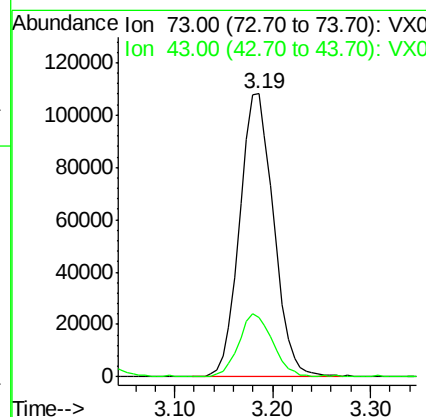
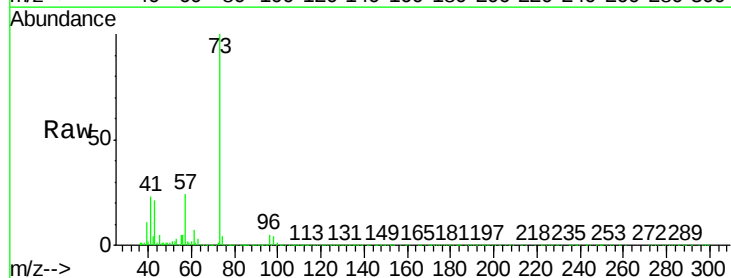
MMDadoda
 2/6/2020 1:32:50 PM

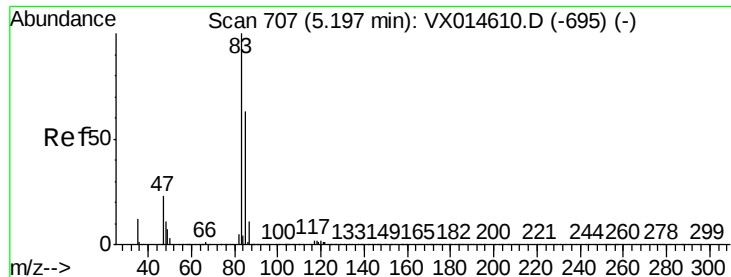


#24

Methyl tert-Butyl Ether
 Concen: 20.320 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.7	16.6	25.0





#25

Chloroform

Concen: 20.200 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampled :

BW-2MSD

Tot Ion: 83 Resp: 149366

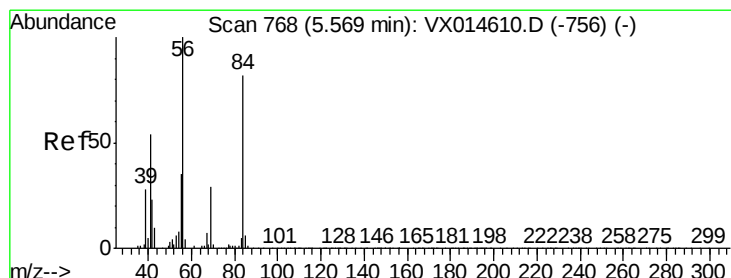
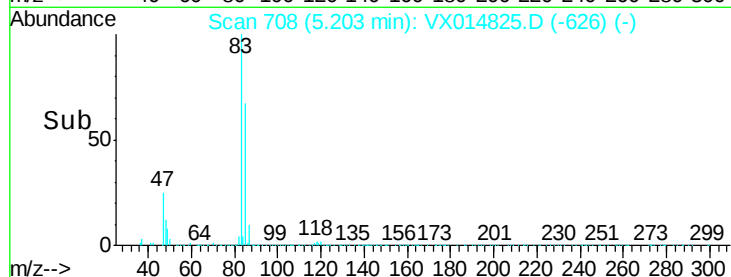
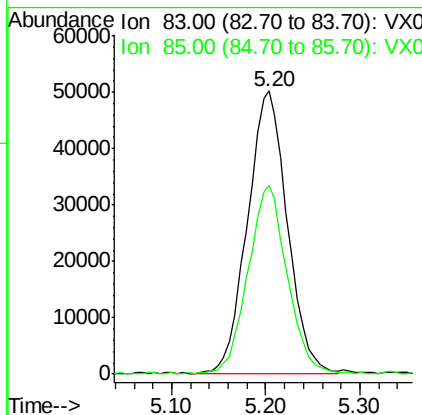
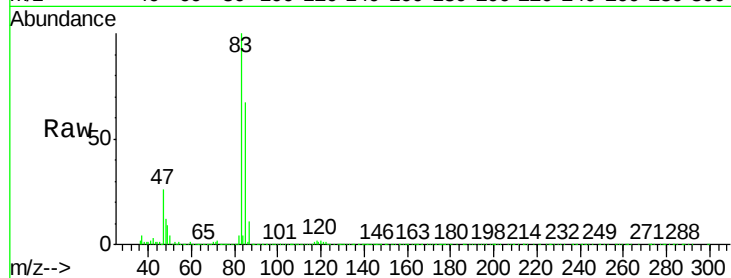
Ion Ratio Lower Upper

83 100

85 66.4 52.7 79.1

Manual Integrations
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2/6/2020 1:32:50 PM



#26

Cyclohexane

Concen: 18.988 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

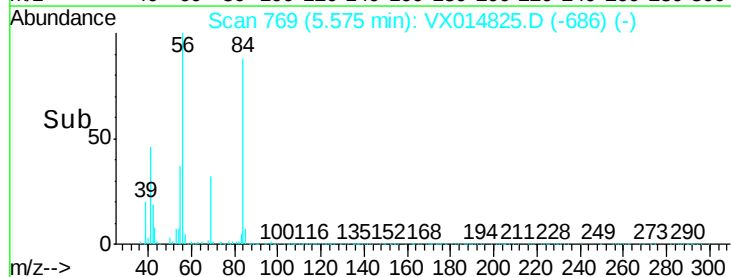
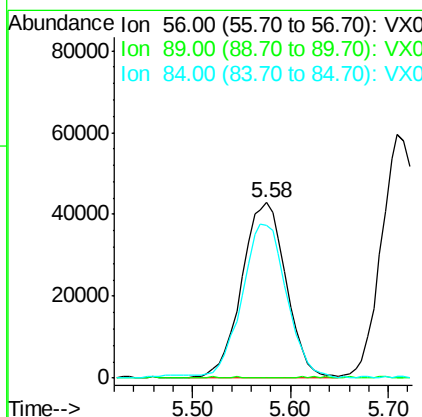
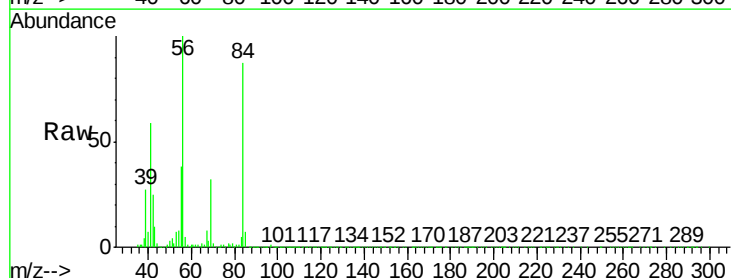
Tgt Ion: 56 Resp: 133692

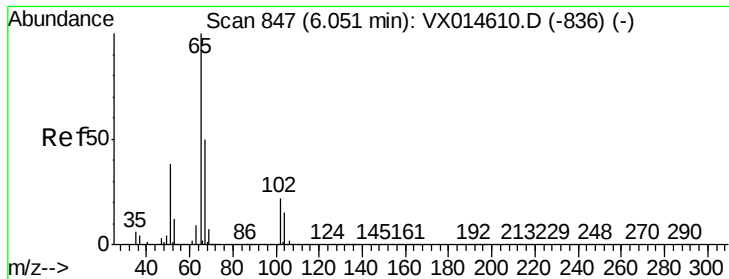
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1#

84 88.2 70.8 106.2





#27

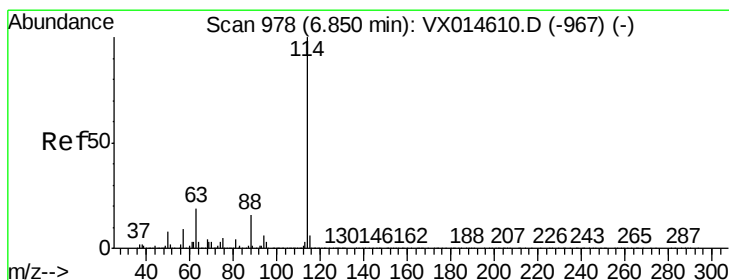
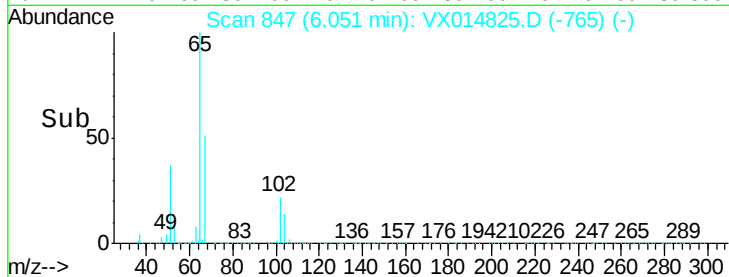
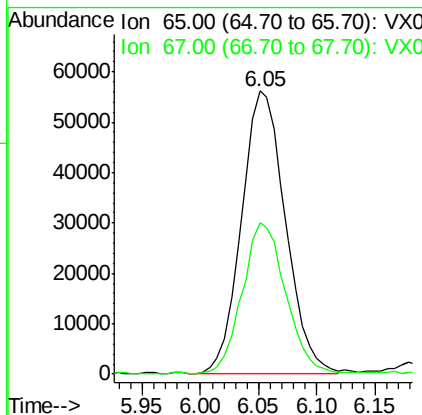
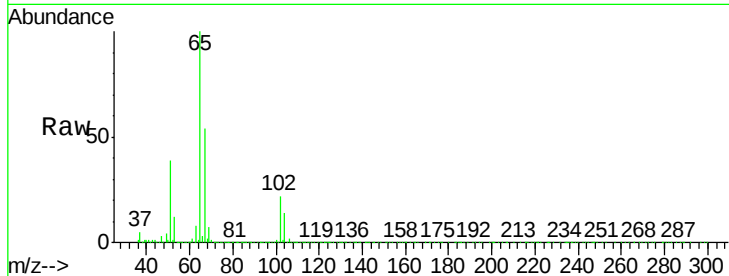
1,2-Dichloroethane-d4
Concen: 30.317 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	43.1	64.7

Manual Integrations
APPROVED

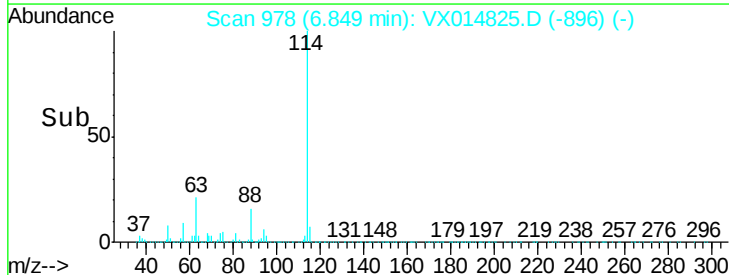
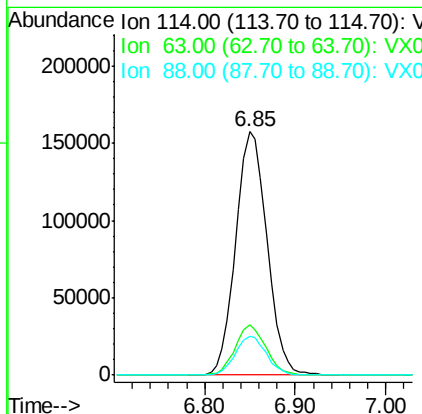
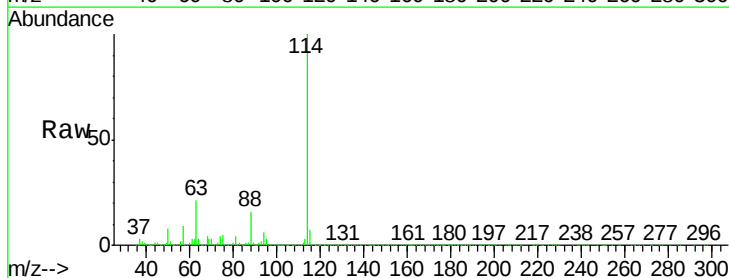
MMDadoda
2/6/2020 1:32:50 PM

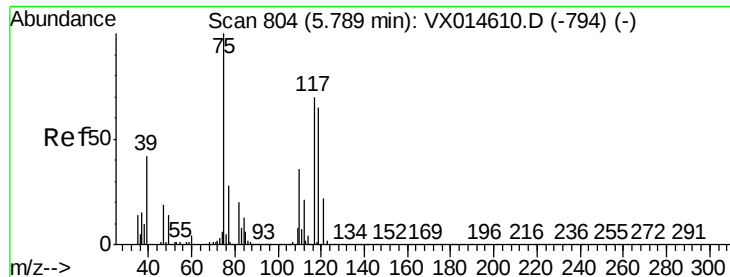


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.1	24.1
88	15.8	12.5	18.7





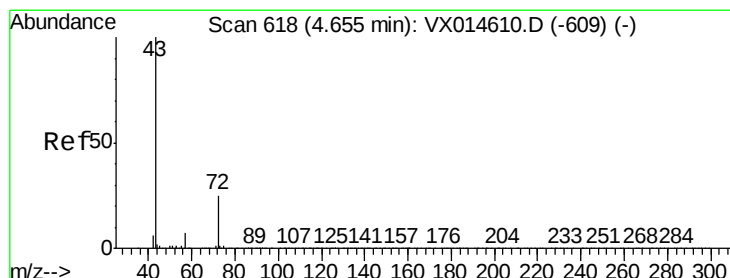
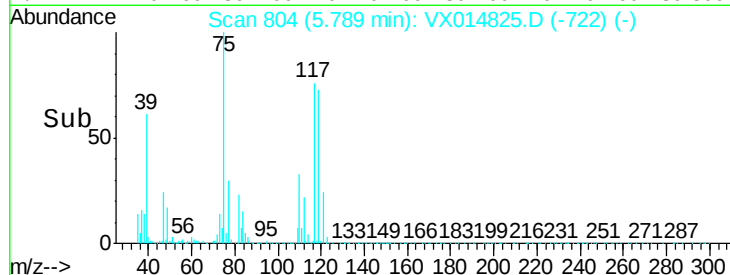
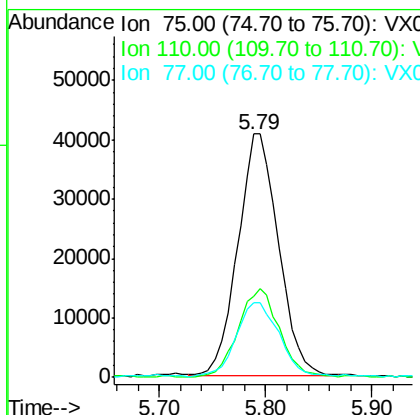
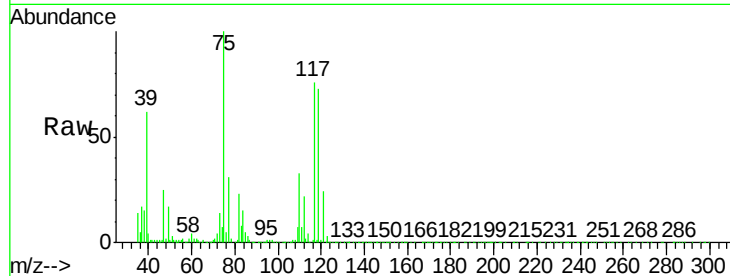
#29
 1,1-Dichloropropene
 Concen: 19.749 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Instrument :
 MSVOA_X
 ClientSampled :
 BW-2MSD

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.7	0.0	73.8
77	32.1	0.0	62.4

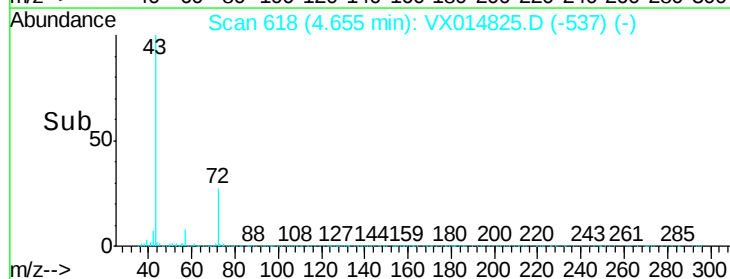
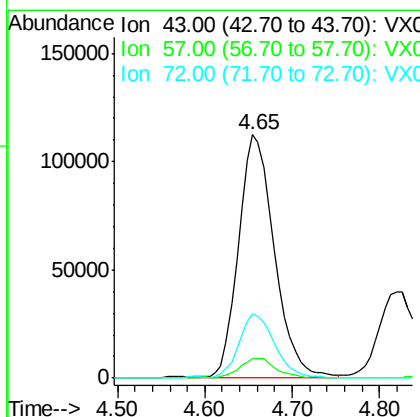
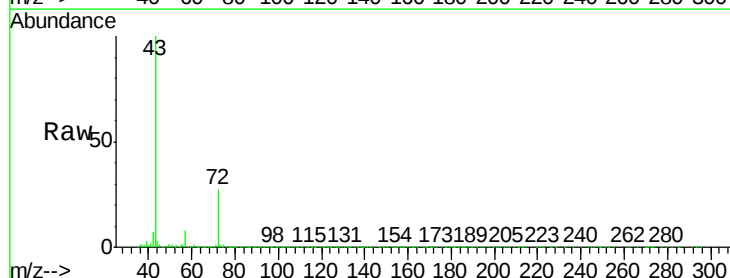
Manual Integrations
 APPROVED

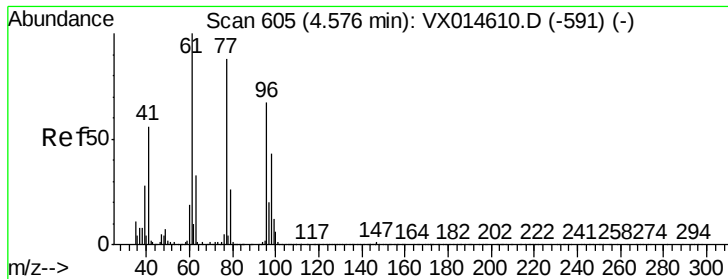
MMDadoda
 2/6/2020 1:32:50 PM



#30
 2-Butanone
 Concen: 90.973 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.2	9.2
72	25.7	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.591 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 77 Resp: 115800

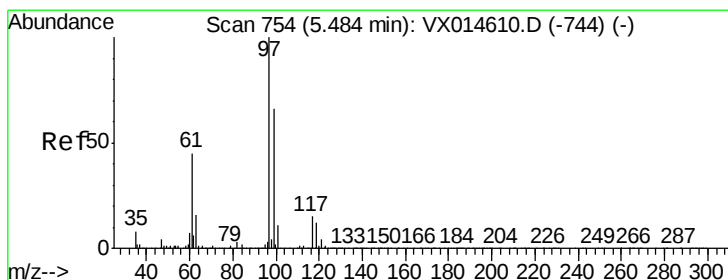
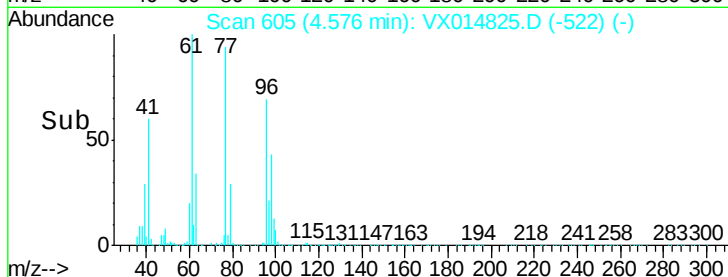
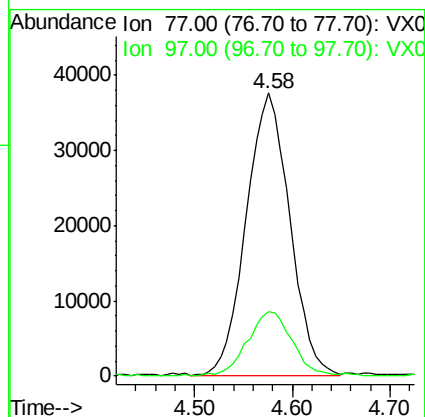
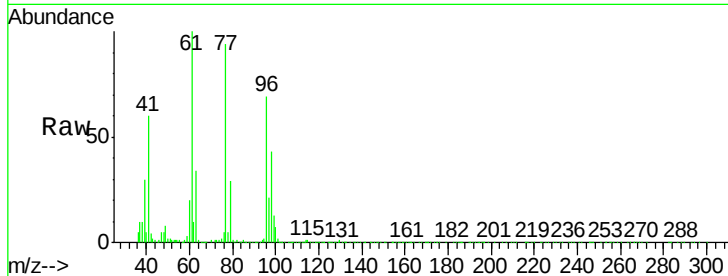
Ion Ratio Lower Upper

77 100

97 23.0 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:50 PM



#32

1,1,1-Trichloroethane

Concen: 20.235 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

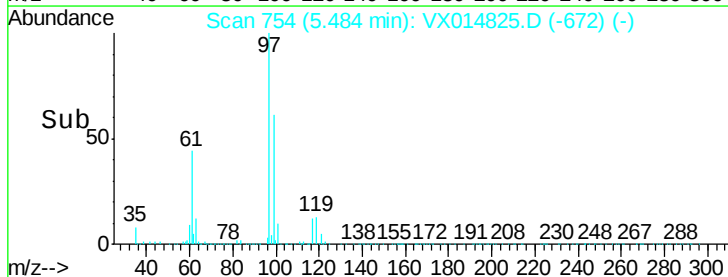
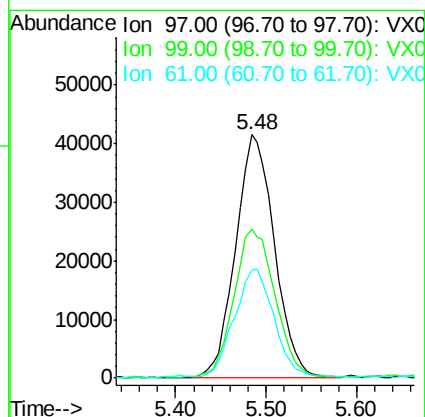
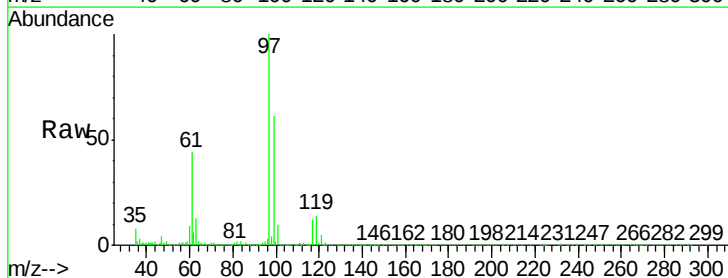
Tgt Ion: 97 Resp: 123667

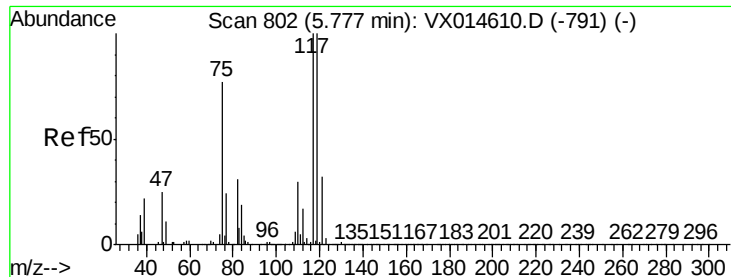
Ion Ratio Lower Upper

97 100

99 63.7 51.9 77.9

61 45.6 36.8 55.2





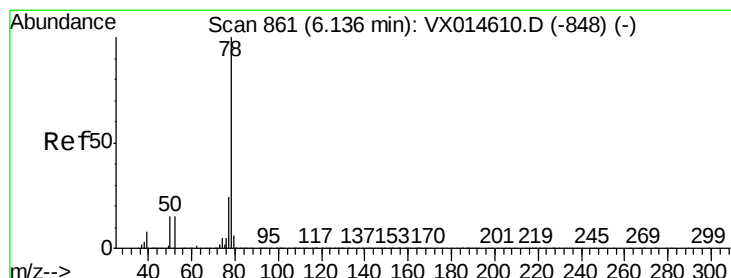
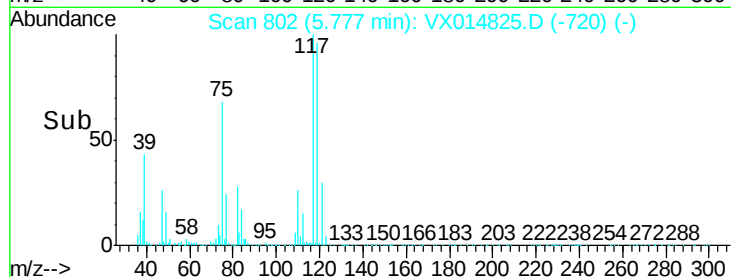
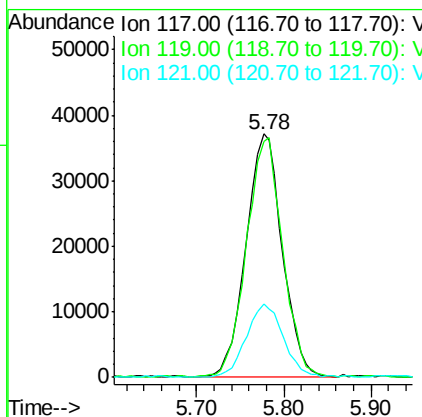
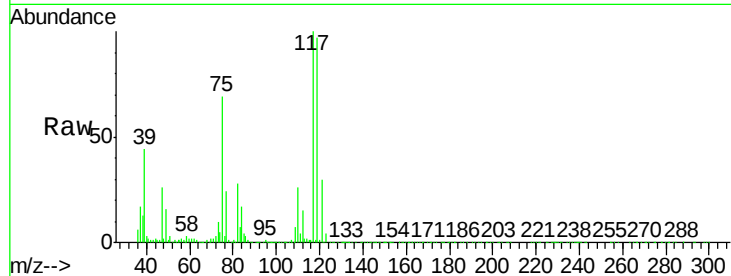
#33
Carbon Tetrachloride
Concen: 20.390 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	30.1	24.8	37.2

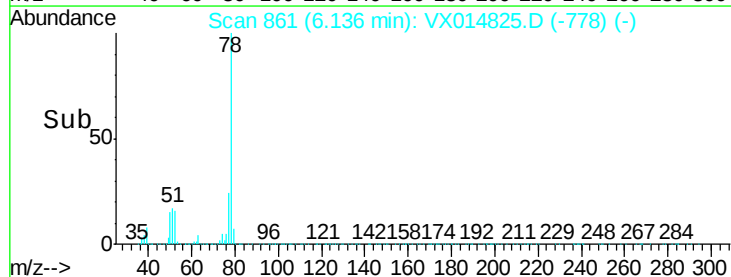
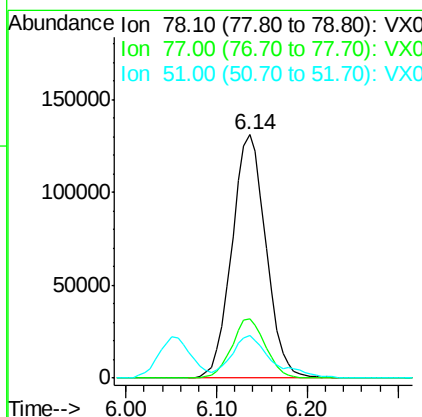
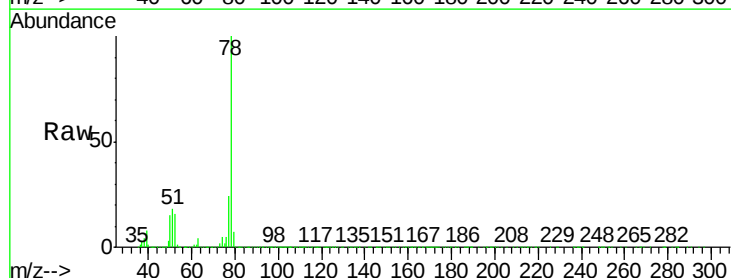
Manual Integrations
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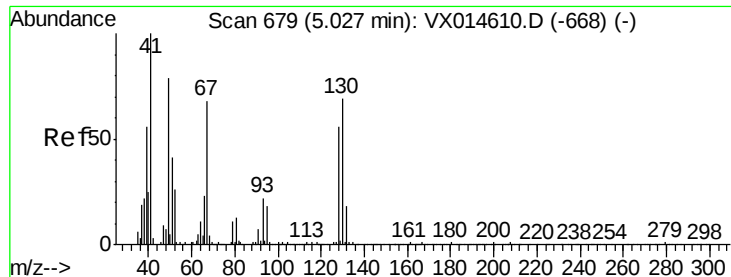
MMDadoda
2/6/2020 1:32:50 PM



#34
Benzene
Concen: 20.000 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.2	27.2
51	17.3	12.4	18.6





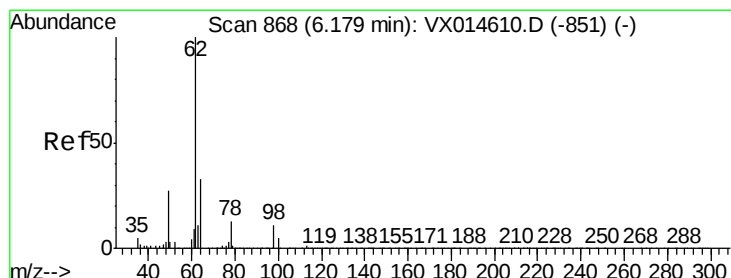
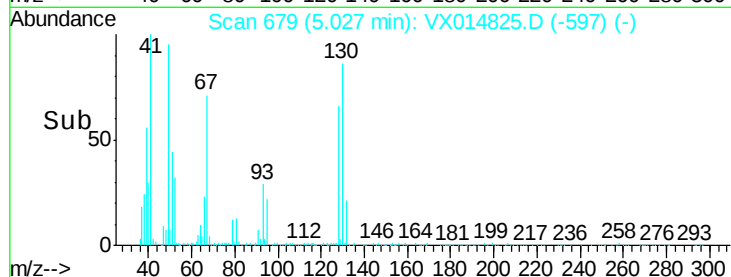
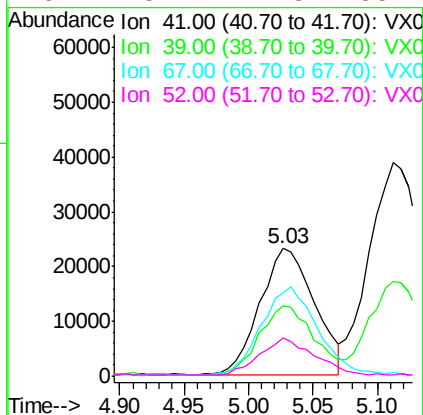
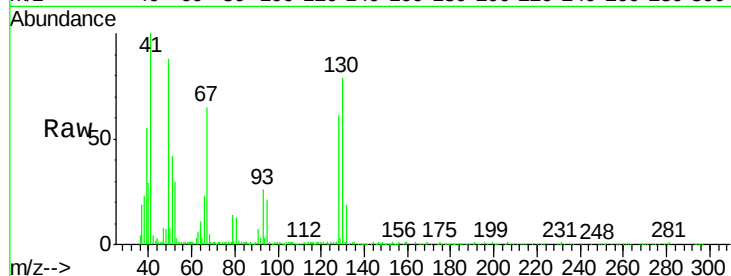
#35
Methacrylonitrile
Concen: 19.648 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	26.7	80.1	
67	64.9	31.5	94.5	
52	28.2	12.8	38.4	

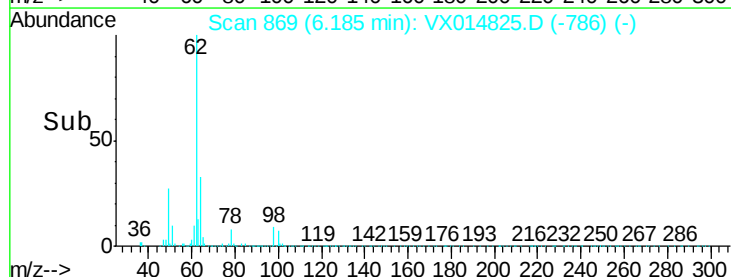
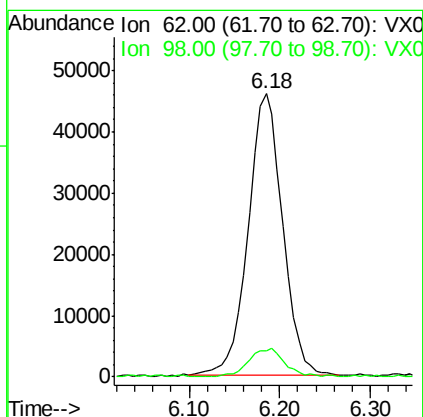
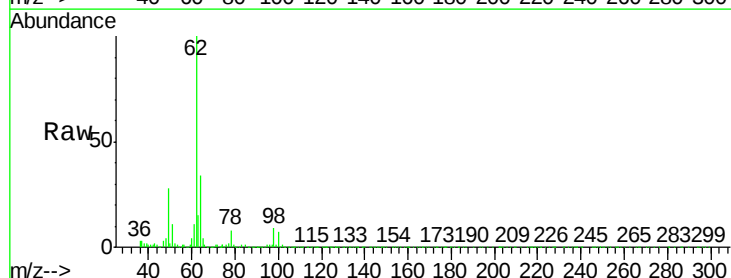
Manual Integrations
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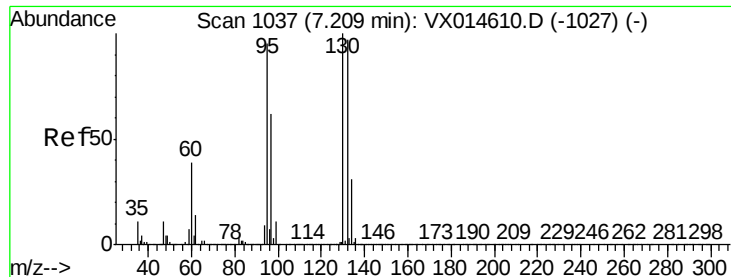
MMDadoda
2/6/2020 1:32:50 PM



#36
1,2-Dichloroethane
Concen: 20.332 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	8.4	12.6	





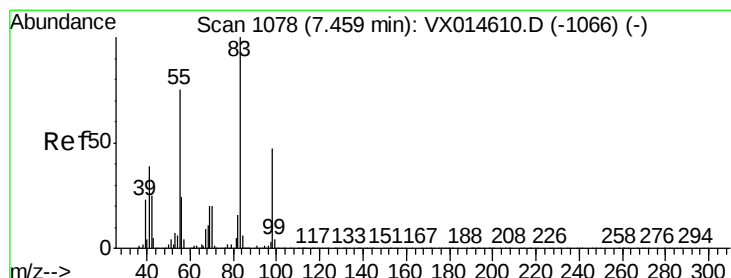
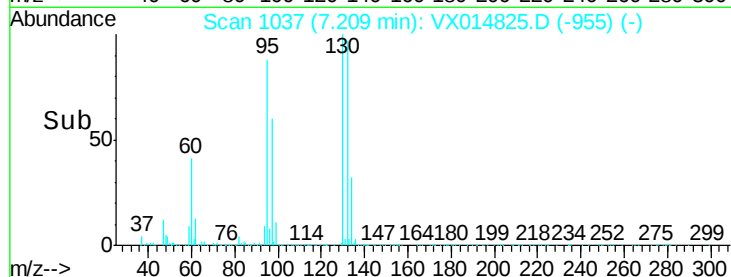
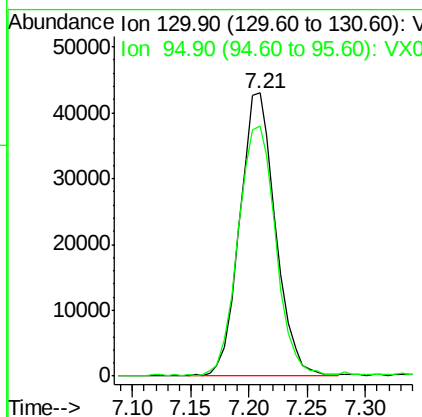
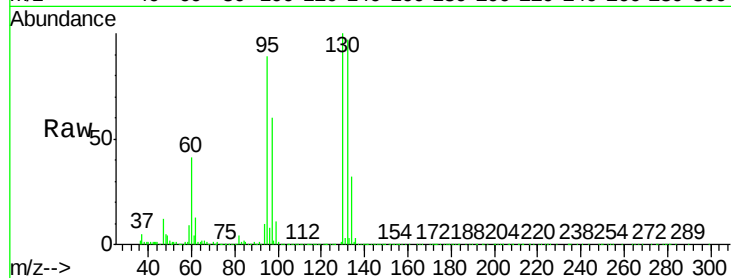
#37
 Trichloroethene
 Concen: 19.670 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MSD

Tot Ion:130 Resp: 91936
 Ion Ratio Lower Upper
 130 100
 95 88.3 71.7 107.5

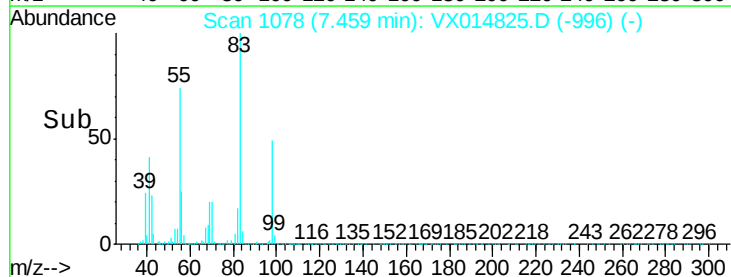
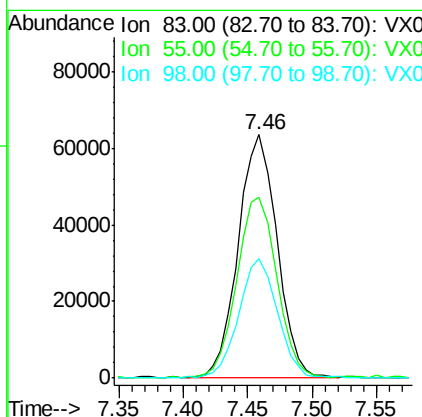
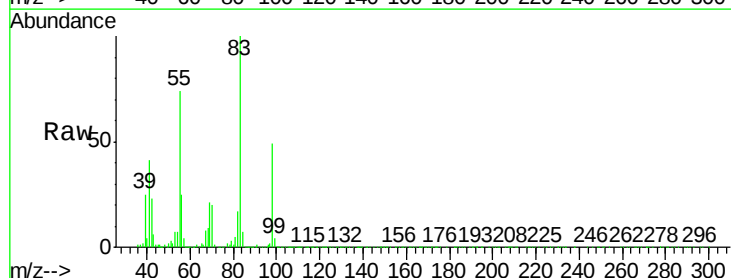
Manual Integrations
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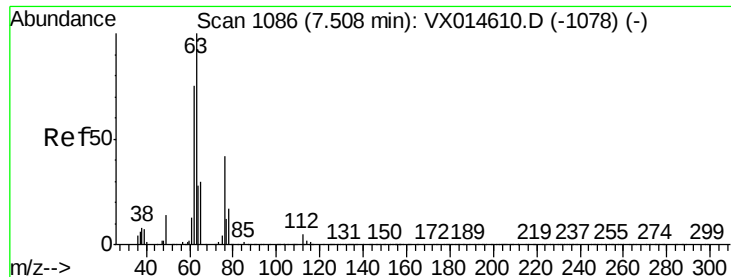
MMDadoda
 2/6/2020 1:32:50 PM



#38
 Methylcyclohexane
 Concen: 19.281 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Tgt Ion: 83 Resp: 132619
 Ion Ratio Lower Upper
 83 100
 55 76.8 39.4 118.1
 98 48.3 25.1 75.3





#39

1,2-Dichloropropane

Concen: 19.623 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 63 Resp: 87105

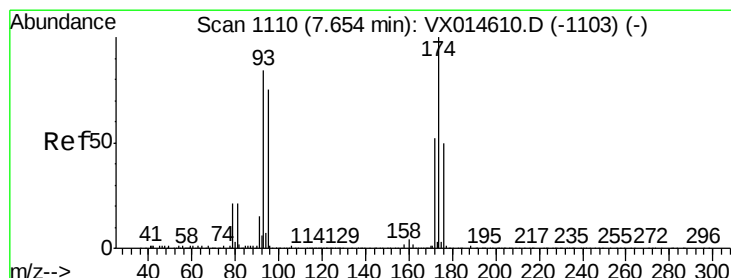
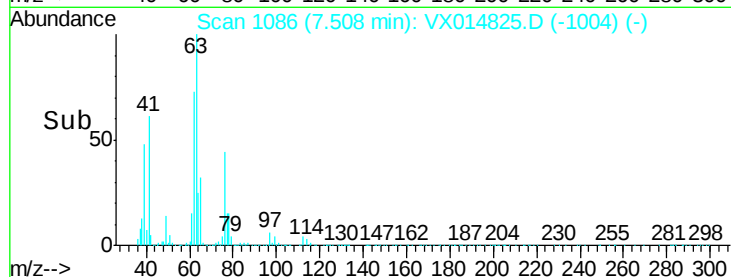
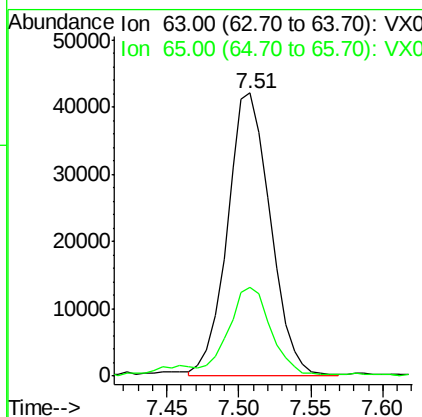
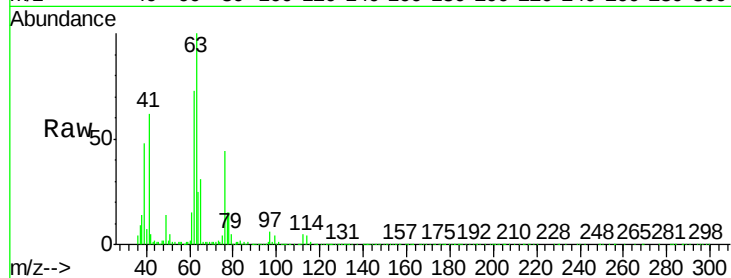
Ion Ratio Lower Upper

63 100

65 30.9 22.1 33.1

Manual Integrations
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2/6/2020 1:32:50 PM



#40

Dibromomethane

Concen: 20.303 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

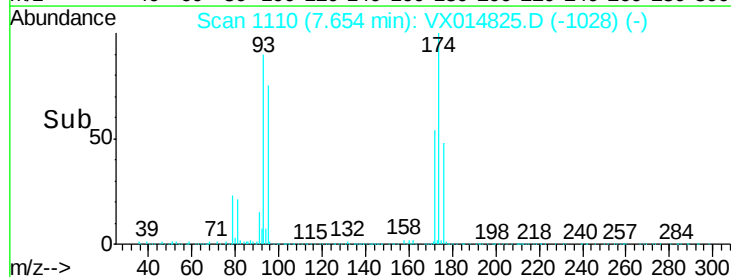
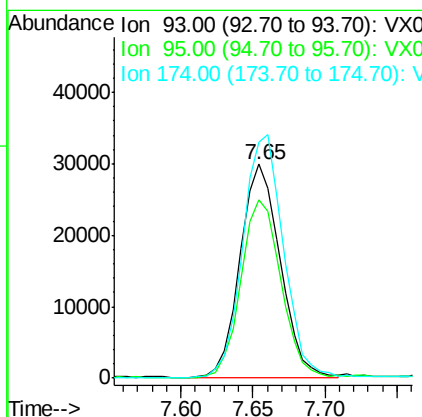
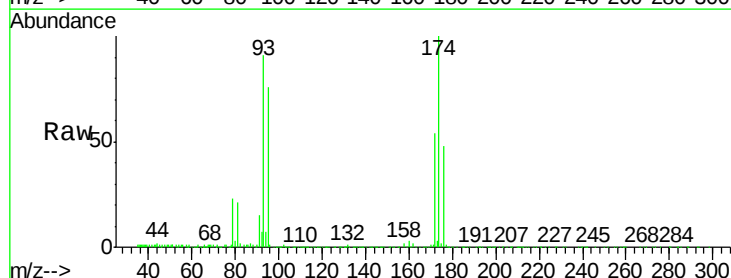
Tgt Ion: 93 Resp: 57918

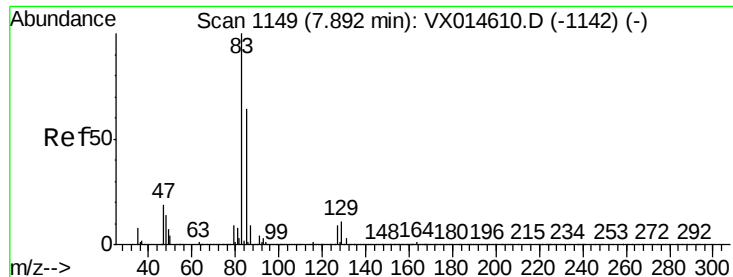
Ion Ratio Lower Upper

93 100

95 82.2 0.0 164.4

174 115.4 0.0 228.8





#41

Bromodichloromethane

Concen: 20.189 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

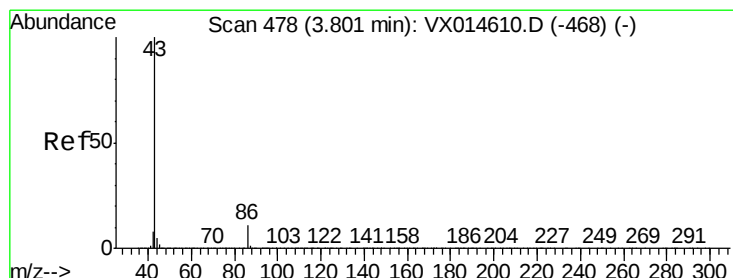
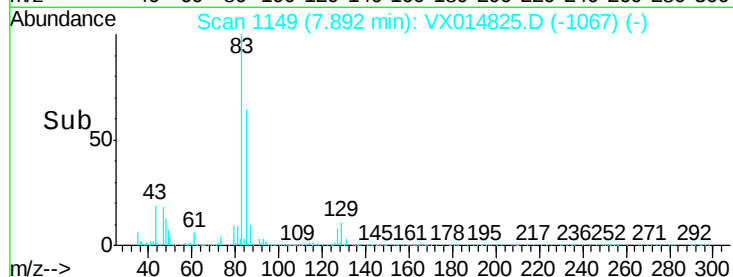
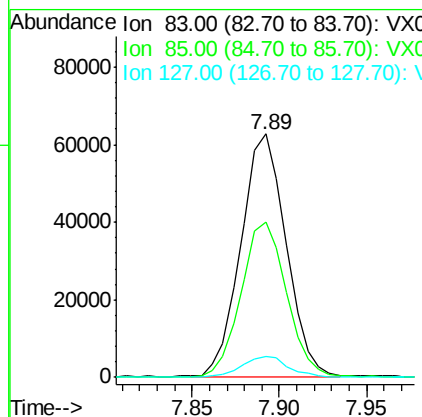
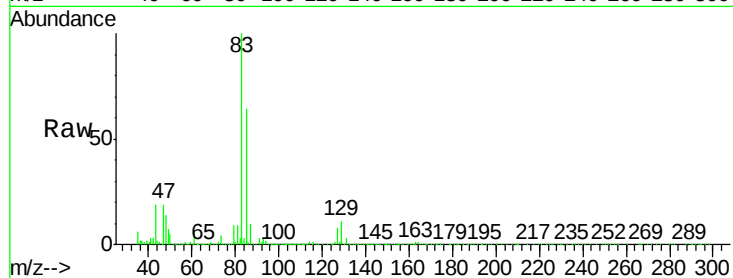
ClientSampleId :

BW-2MSD

Tot Ion:	83	Resp:	112783
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.6	77.4
127	8.4	6.0	9.0

Manual Integrations
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MMDadoda
2/6/2020 1:32:50 PM



#42

Vinyl Acetate

Concen: 97.082 ug/l

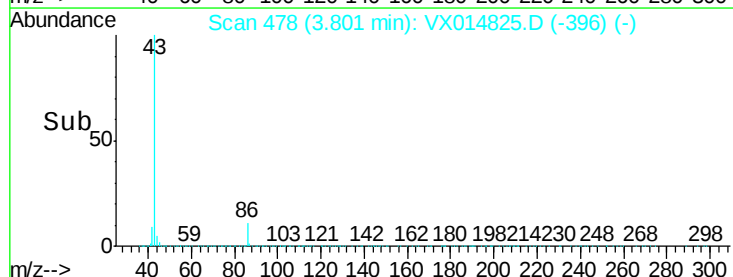
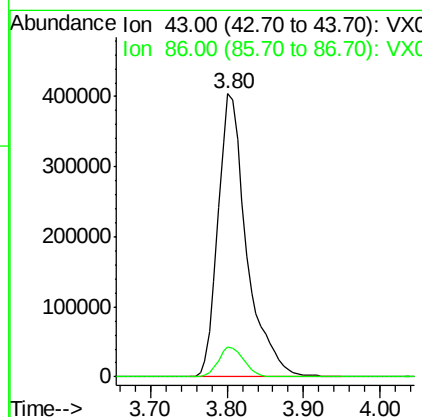
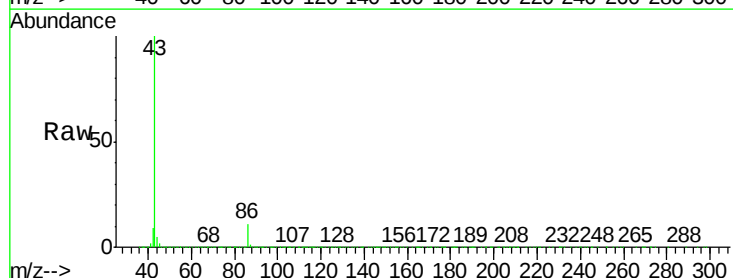
RT: 3.80 min Scan# 478

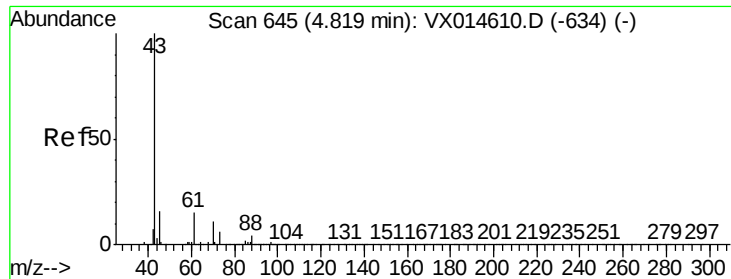
Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Tgt Ion:	43	Resp:	1047103
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.7	11.5





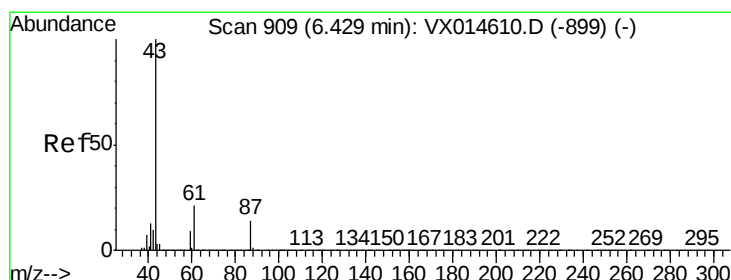
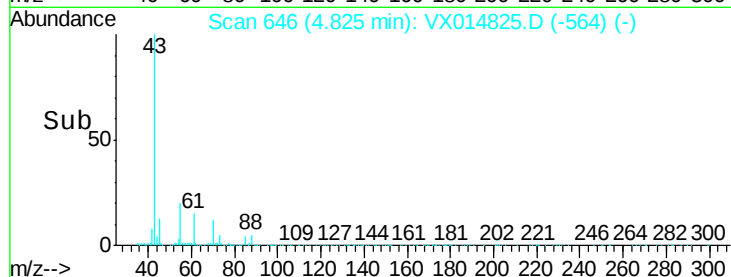
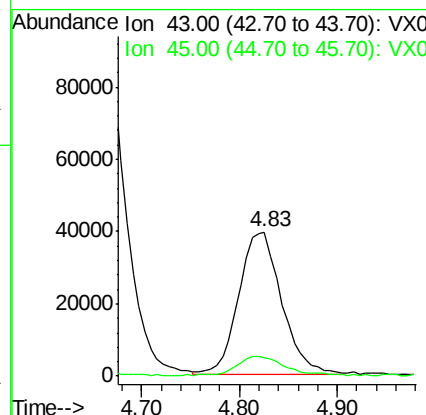
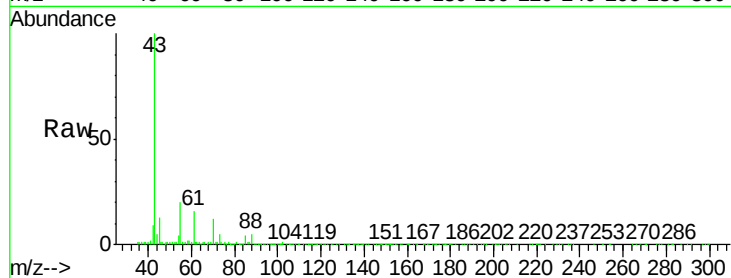
#43
Ethyl Acetate
Concen: 19.203 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
43	100		
45	13.2	11.8	17.8

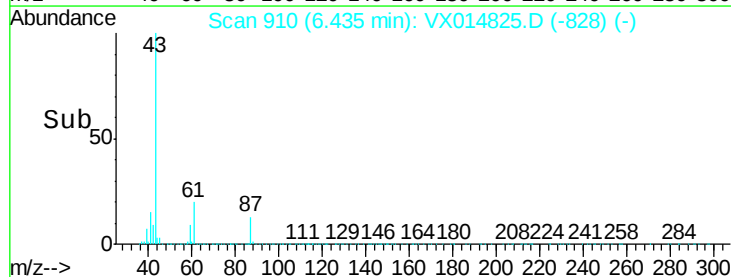
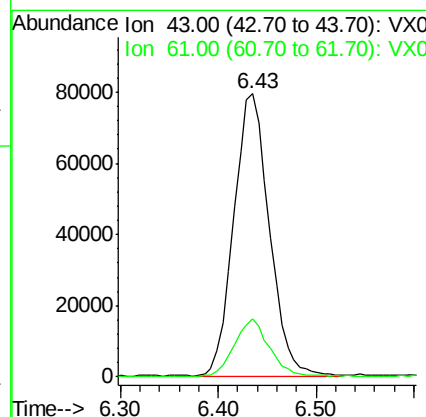
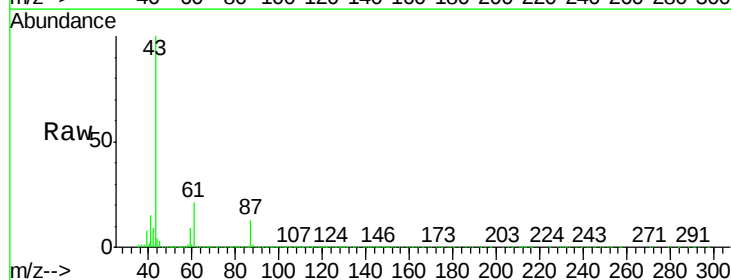
Manual Integrations
APPROVED

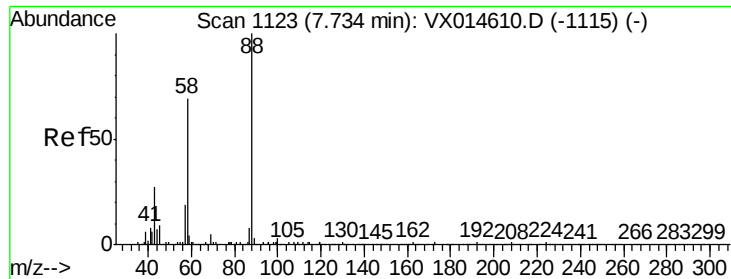
MMDadoda
2/6/2020 1:32:50 PM



#44
Isopropyl Acetate
Concen: 19.751 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.9	23.9





#45

1,4-Dioxane

Concen: 352.213 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

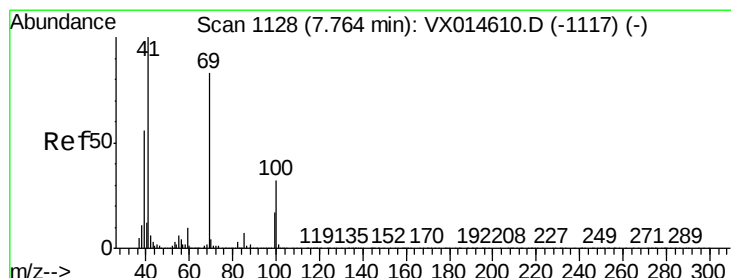
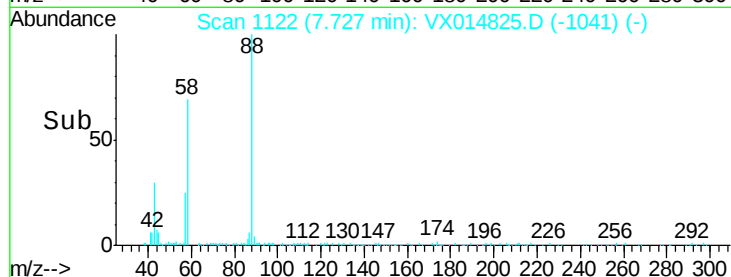
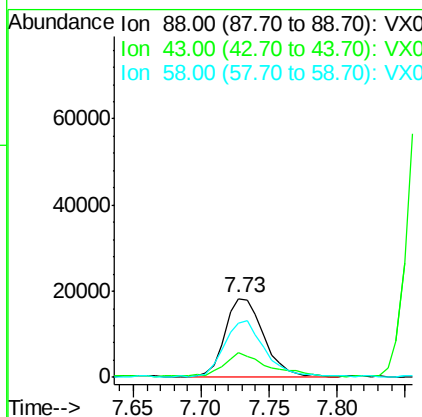
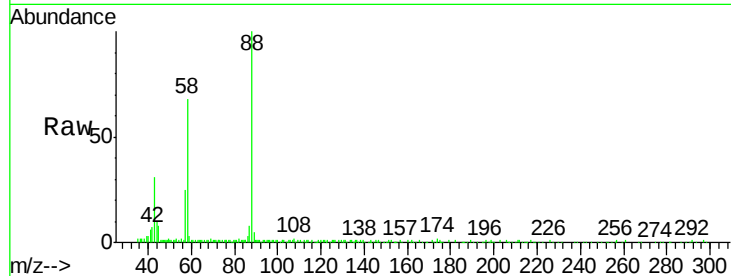
ClientSampleId :

BW-2MSD

Tot Ion:	88	Resp:	36004
Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.4	38.2
58	73.8	56.5	84.7

Manual Integrations
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#46

Methyl methacrylate

Concen: 19.658 ug/l

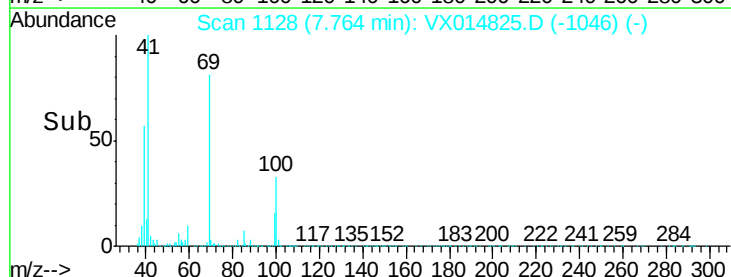
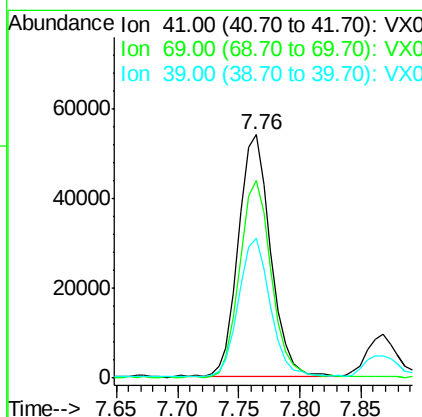
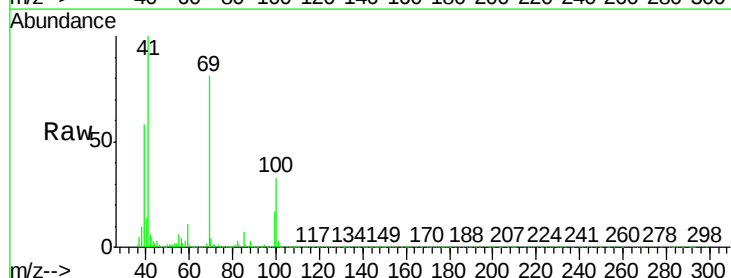
RT: 7.76 min Scan# 1128

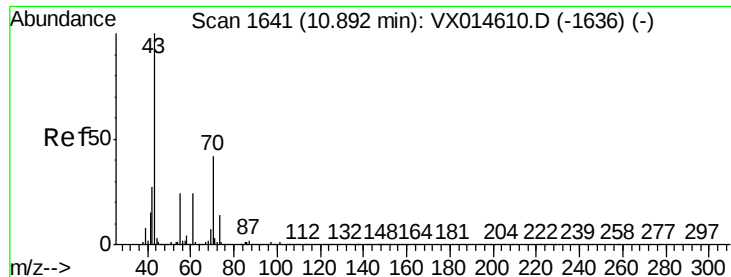
Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Tgt Ion:	41	Resp:	98792
Ion	Ratio	Lower	Upper
41	100		
69	81.1	40.6	122.0
39	57.4	27.8	83.3





#47

n-amvl Acetate

Concen: 19.339 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 43 Resp: 165589

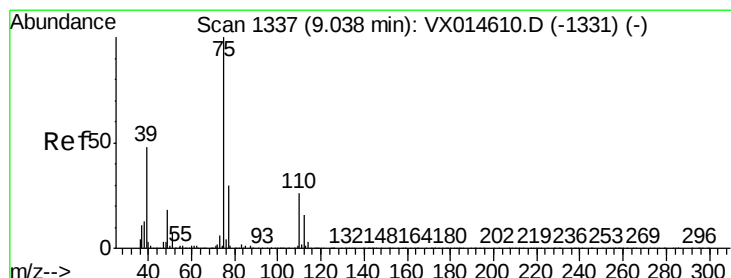
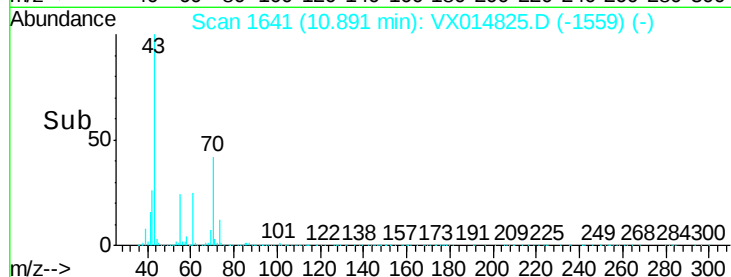
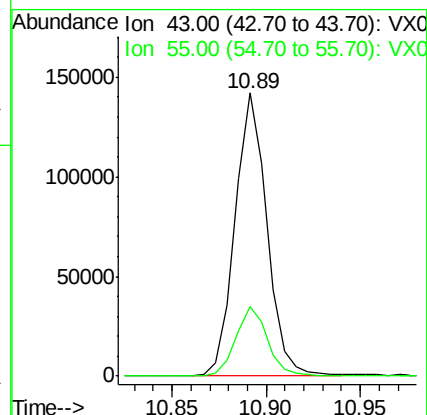
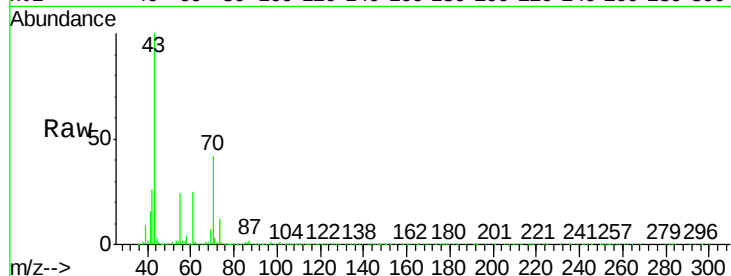
Ion Ratio Lower Upper

43 100

55 24.4 19.4 29.2

Manual Integrations
APPROVED

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#48

t-1,3-Dichloropropene

Concen: 19.801 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX014825.D

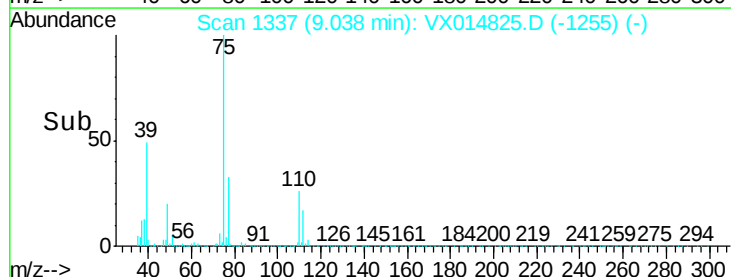
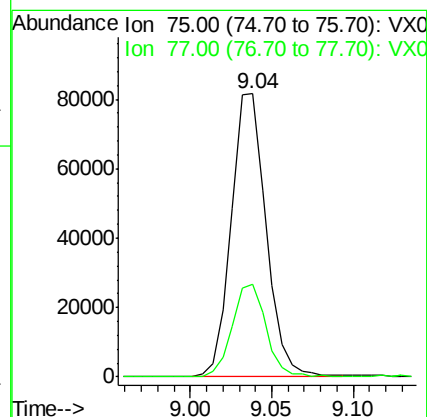
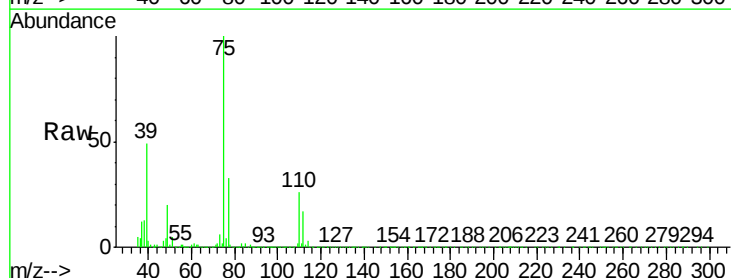
Acq: 05 Feb 2020 16:17

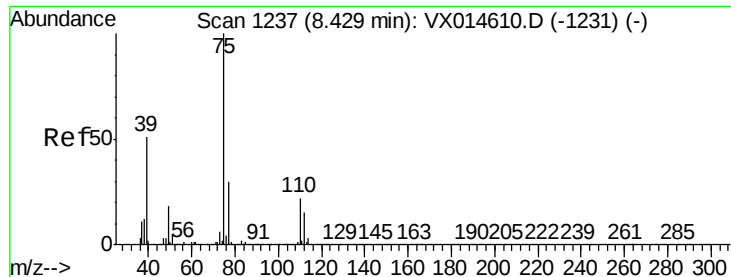
Tgt Ion: 75 Resp: 120766

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0





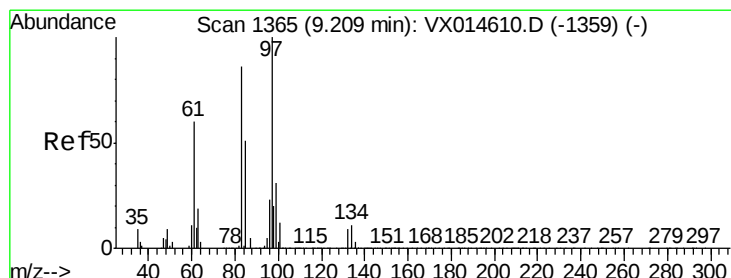
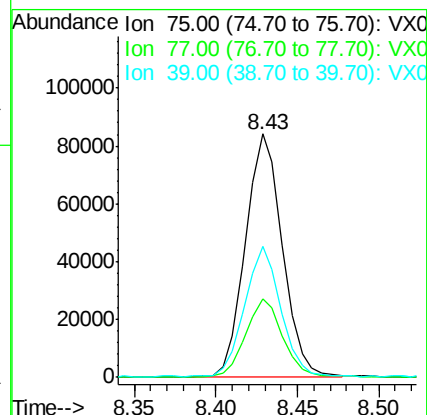
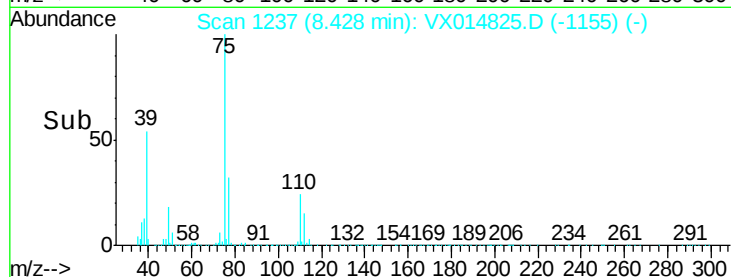
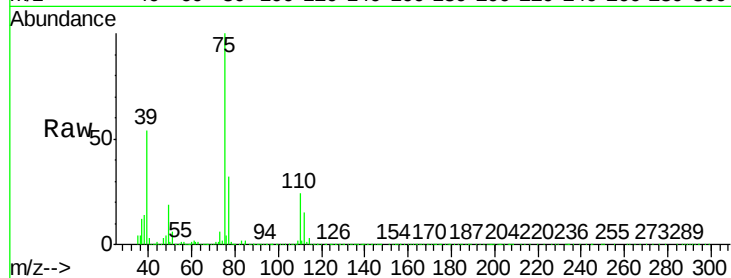
#49
 cis-1,3-Dichloropropene
 Concen: 19.302 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Instrument :
 MSVOA_X
 ClientSampled :
 BW-2MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2
39	53.3	41.1	61.7

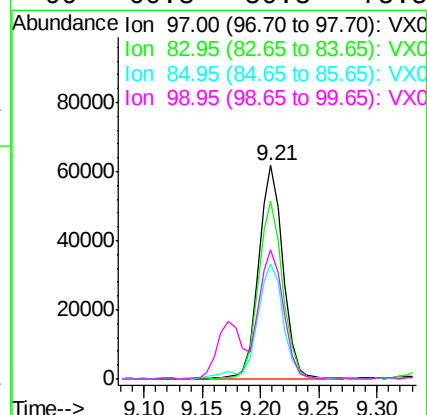
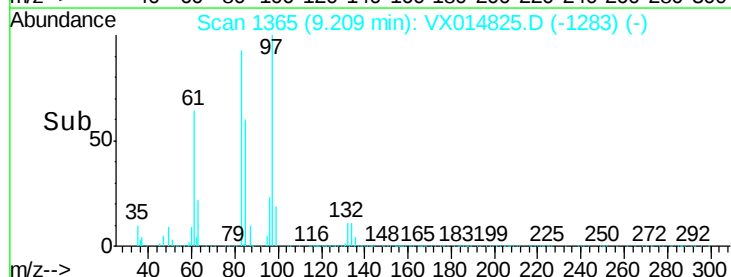
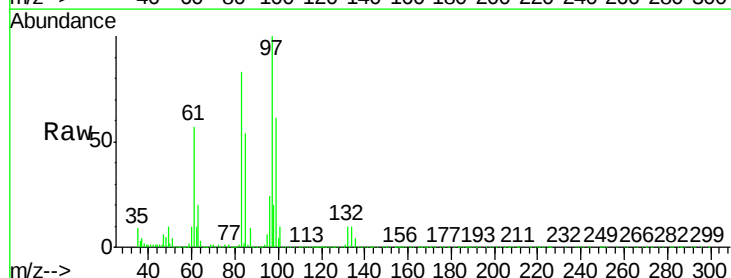
Manual Integrations
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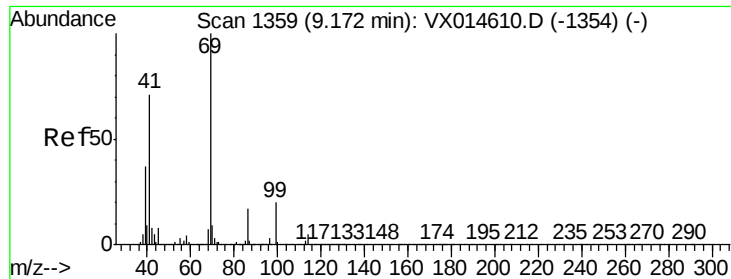
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.626 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.2	68.1	102.1
85	53.9	42.7	64.1
99	60.3	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.438 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

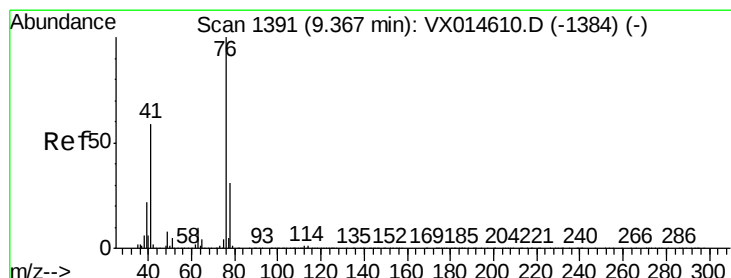
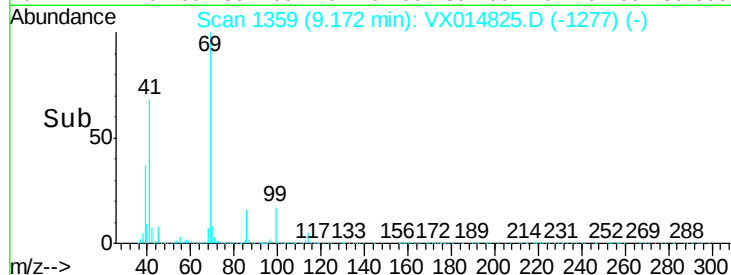
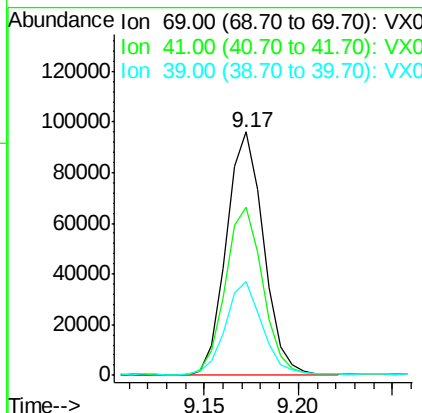
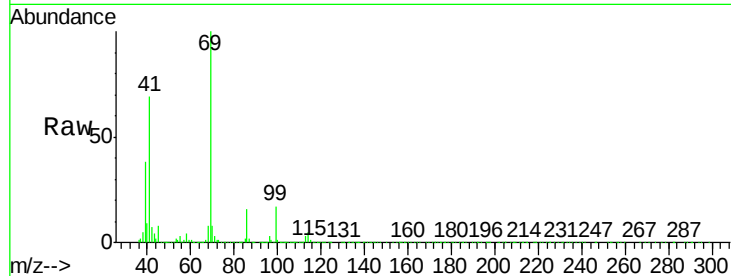
ClientSampleId :

BW-2MSD

Tot Ion:	69	Resp:	131378
Ion	Ratio	Lower	Upper
69	100		
41	68.9	35.4	106.1
39	38.0	17.8	53.3

Manual Integrations
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2/6/2020 1:32:50 PM



#52

1,3-Dichloropropane

Concen: 20.166 ug/l

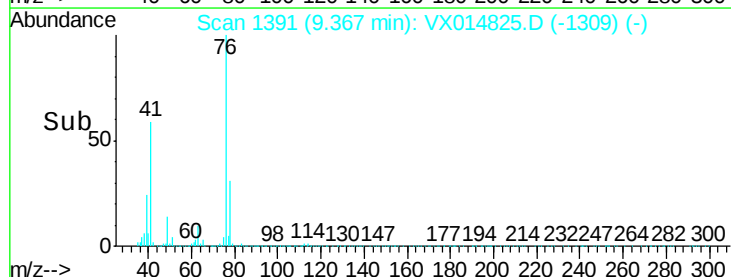
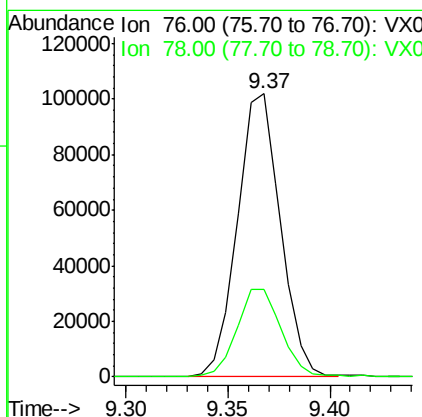
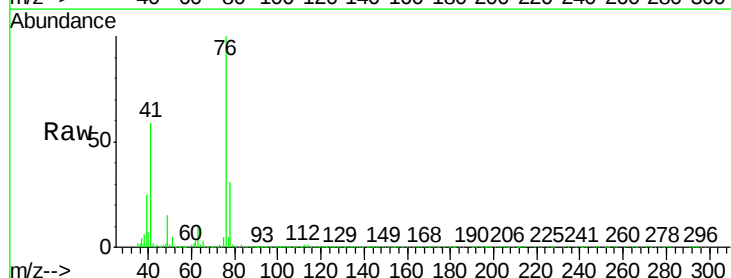
RT: 9.37 min Scan# 1391

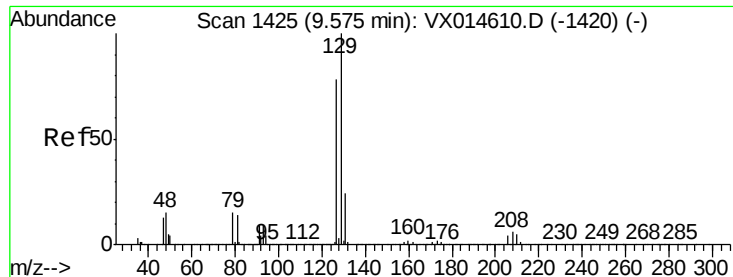
Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Tgt Ion:	76	Resp:	148312
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.4





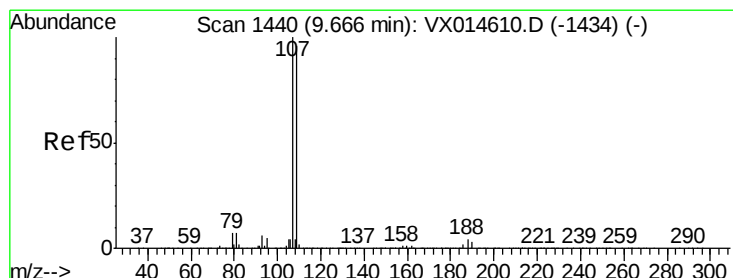
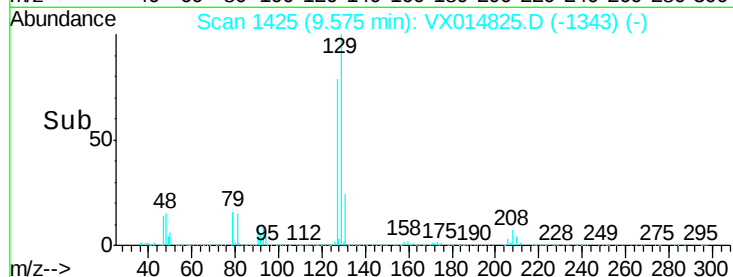
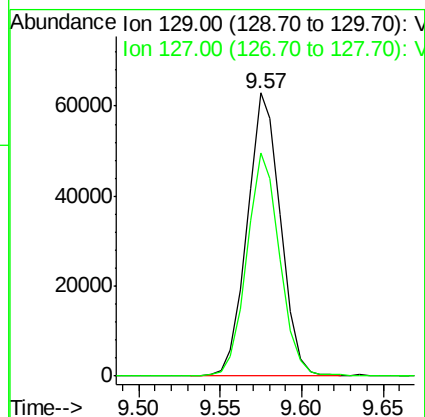
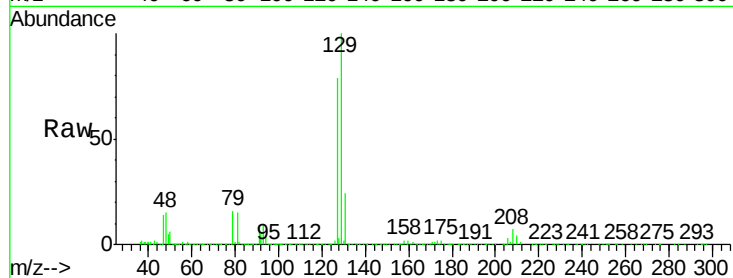
#53
Dibromochloromethane
Concen: 20.042 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		88988		
127	78.1	39.1	117.5		

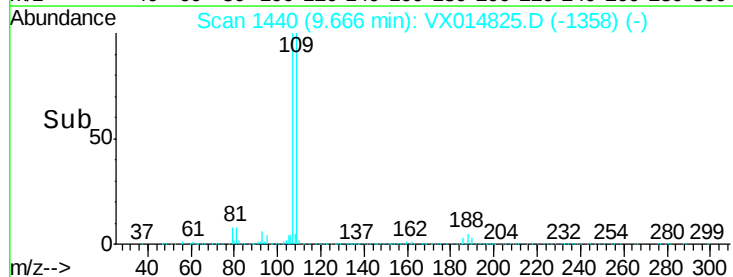
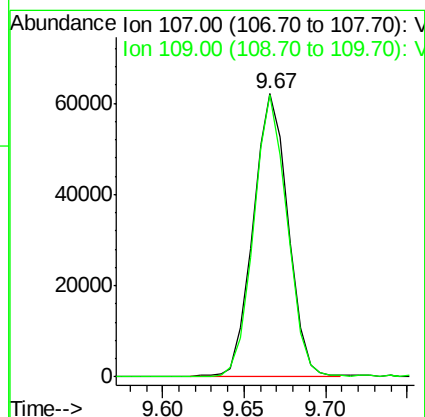
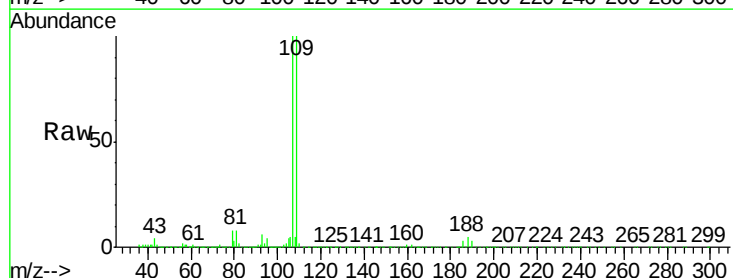
Manual Integrations
APPROVED

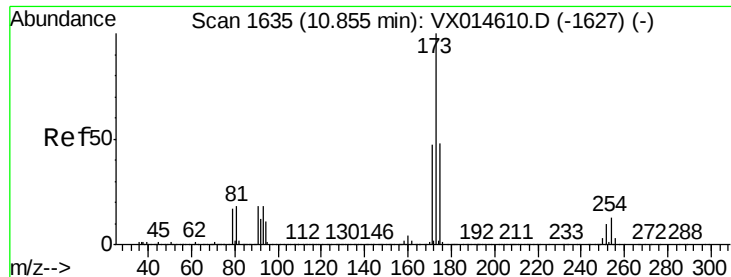
MMDadoda
2/6/2020 1:32:50 PM



#54
1,2-Dibromoethane
Concen: 20.393 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		91807		
109	95.9	77.2	115.8		





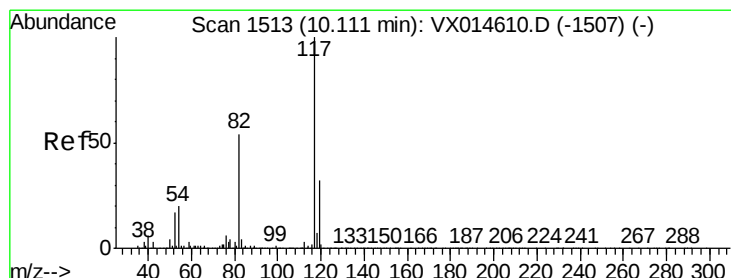
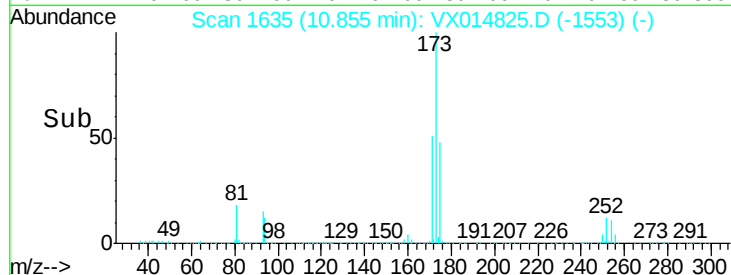
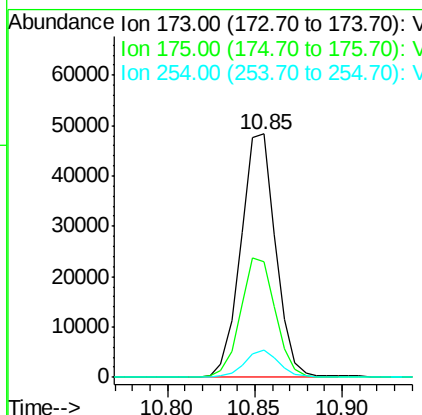
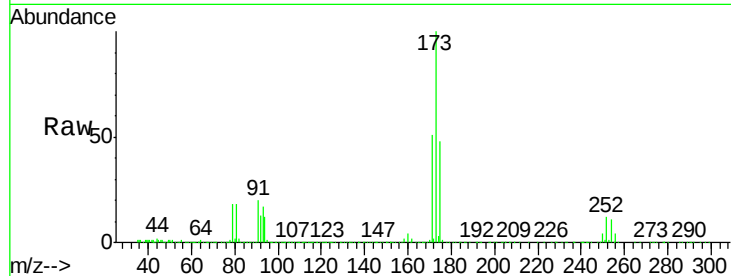
#56
Bromoform
Concen: 19.661 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.5	59.3
254	11.3	8.2	12.4

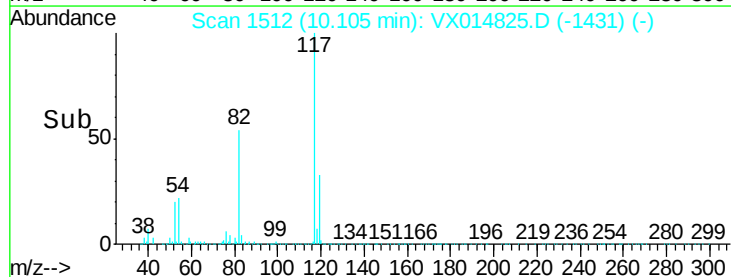
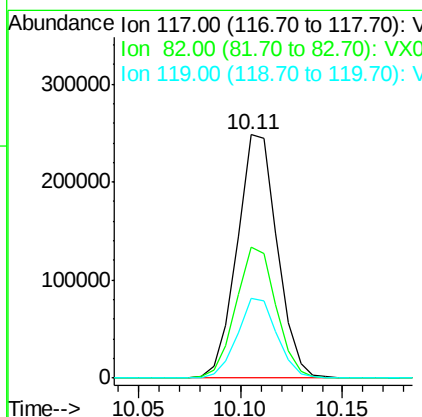
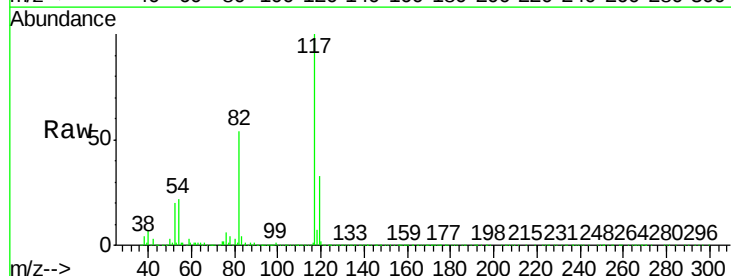
Manual Integrations
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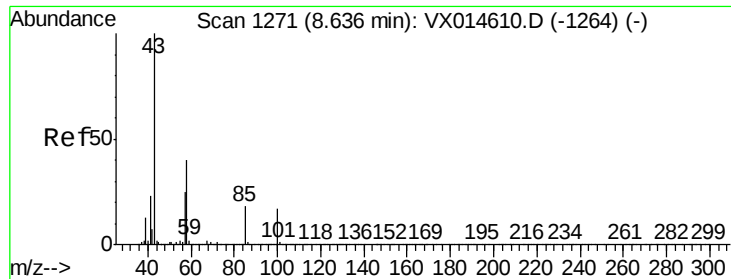
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2/6/2020 1:32:50 PM



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.8	65.6
119	32.3	25.8	38.6





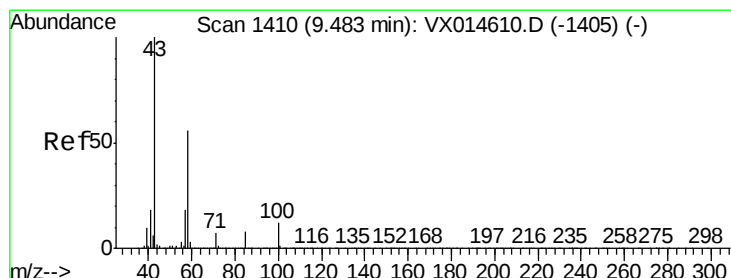
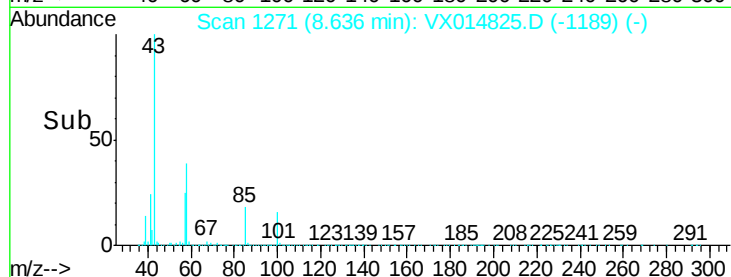
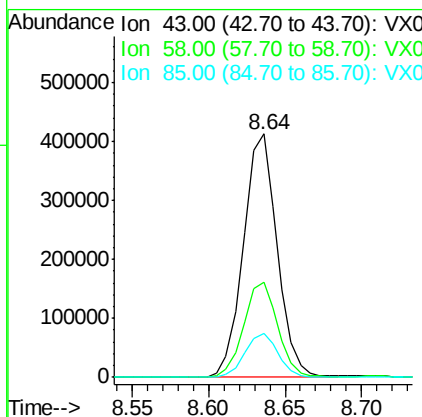
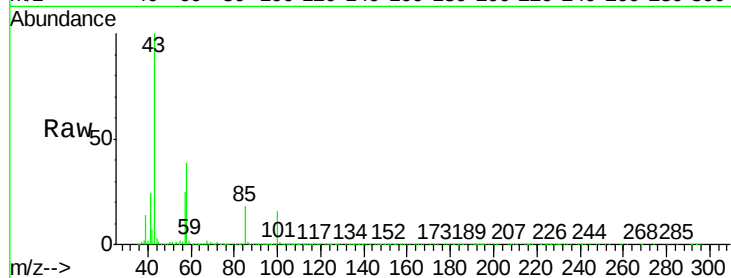
#58
4-Methyl-2-Pentanone
Concen: 99.238 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampled :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.2	46.8
85	17.8	14.2	21.2

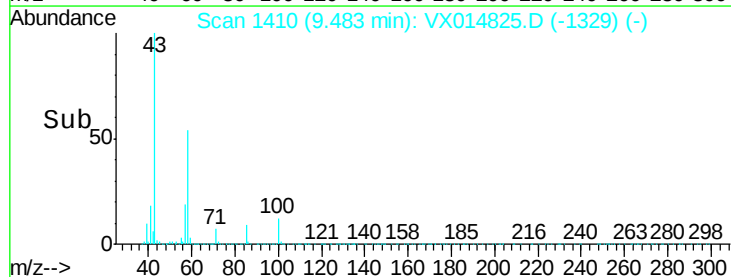
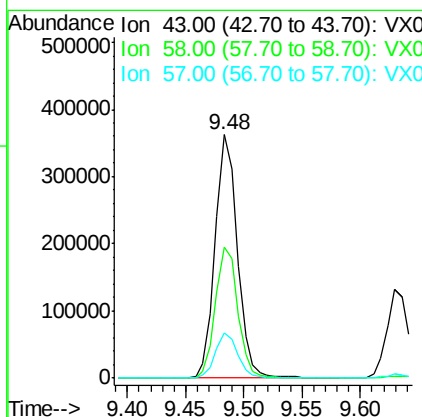
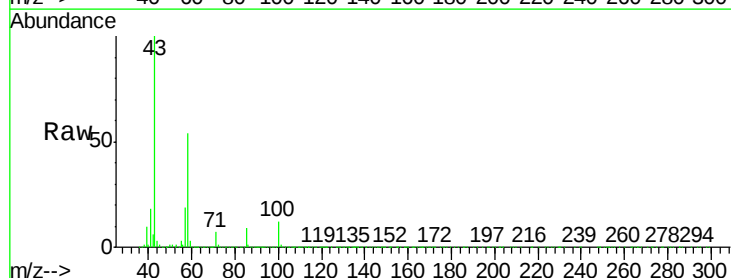
Manual Integrations
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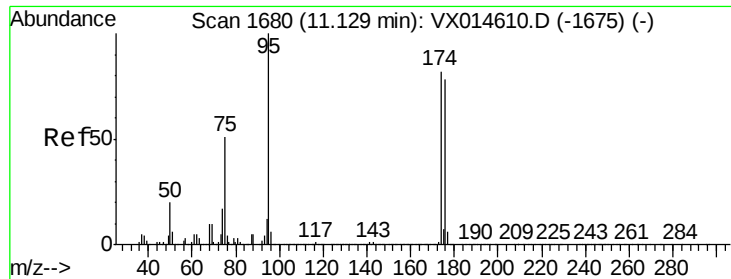
MMDadoda
2/6/2020 1:32:50 PM



#59
2-Hexanone
Concen: 96.622 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.8	65.6
57	18.6	15.4	23.0





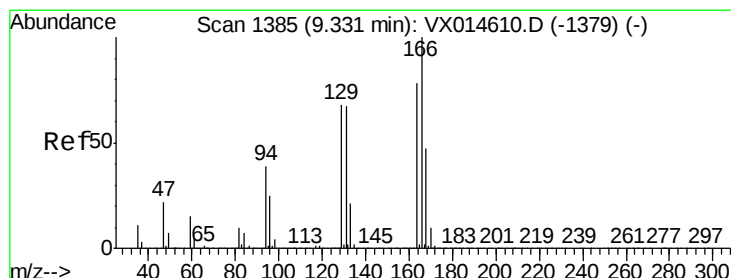
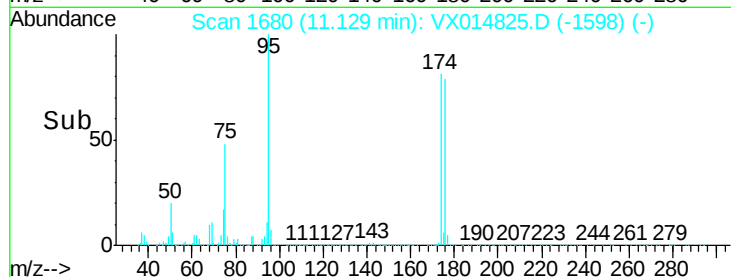
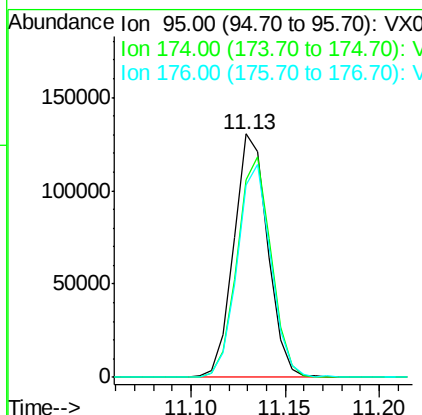
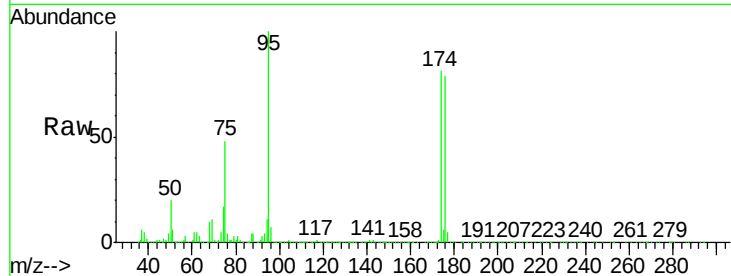
#60
4-Bromofluorobenzene
Concen: 29.876 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	162238		
174	90.9	70.2	105.2	
176	87.1	68.3	102.5	

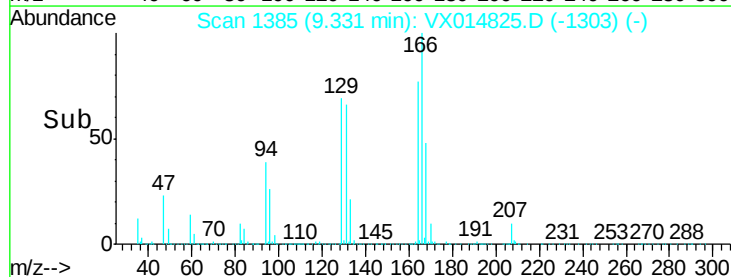
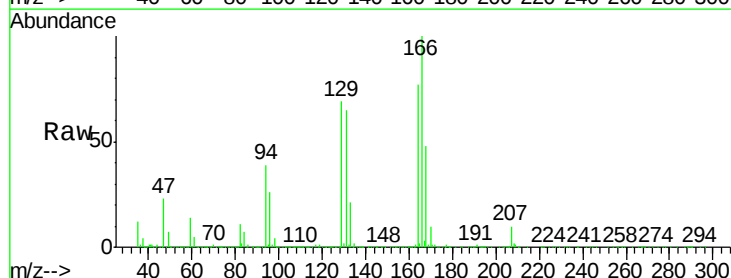
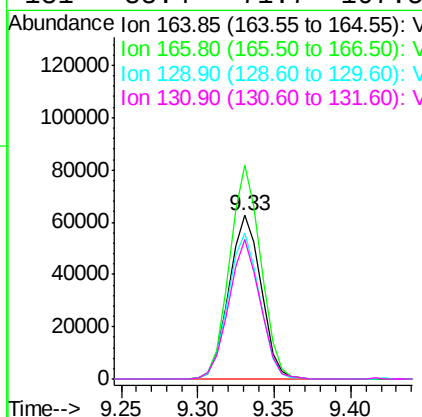
Manual Integrations
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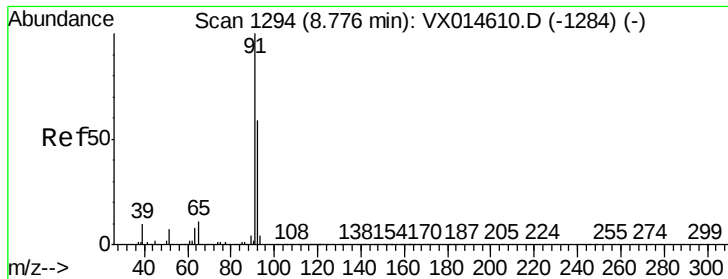
MMDadoda
2/6/2020 1:32:50 PM



#61
Tetrachloroethene
Concen: 18.131 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90940		
166	130.6	104.2	156.2	
129	89.4	71.6	107.4	
131	85.4	71.7	107.5	





#62

Toluene

Concen: 20.458 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 91 Resp: 368329

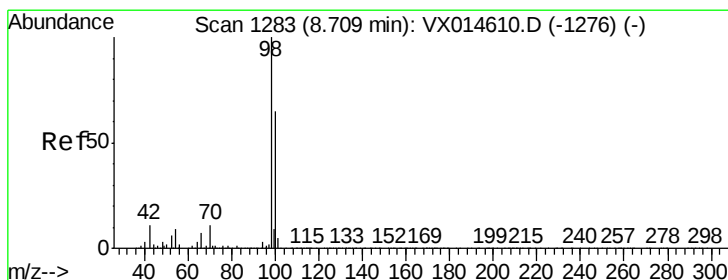
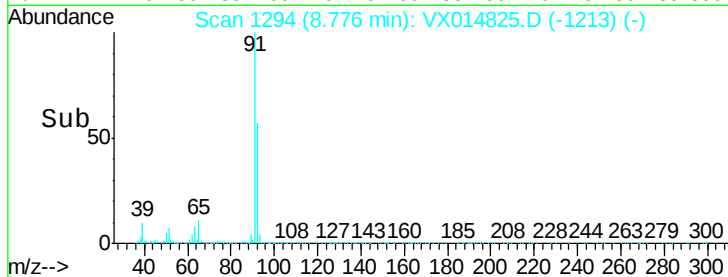
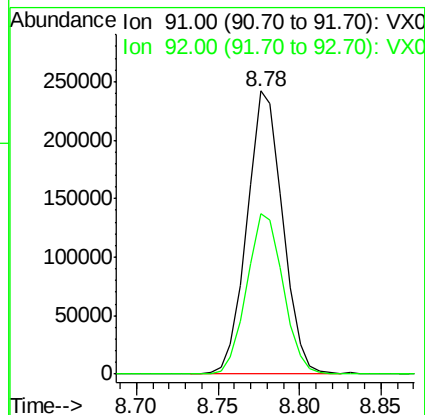
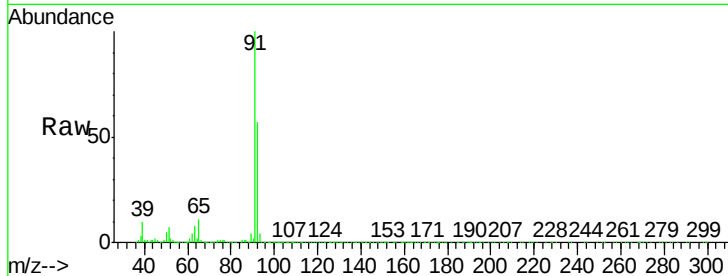
Ion Ratio Lower Upper

91 100

92 58.0 46.4 69.6

Manual Integrations
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#63

Toluene-d8

Concen: 30.403 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014825.D

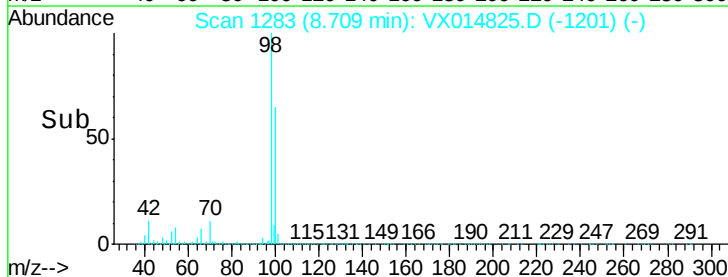
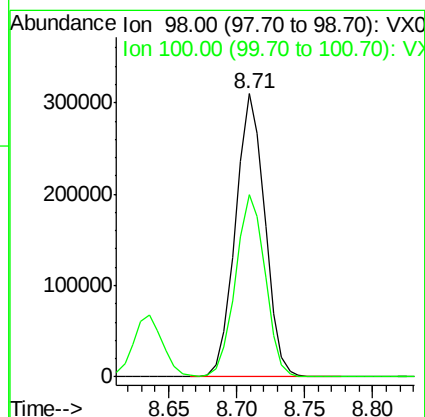
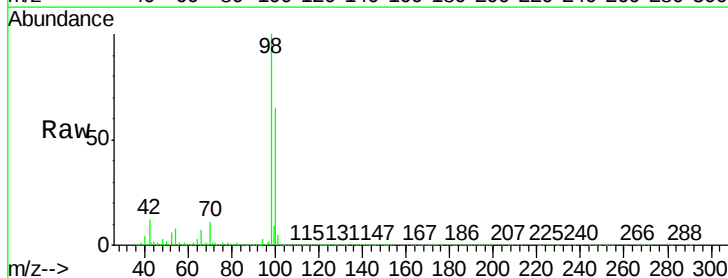
Acq: 05 Feb 2020 16:17

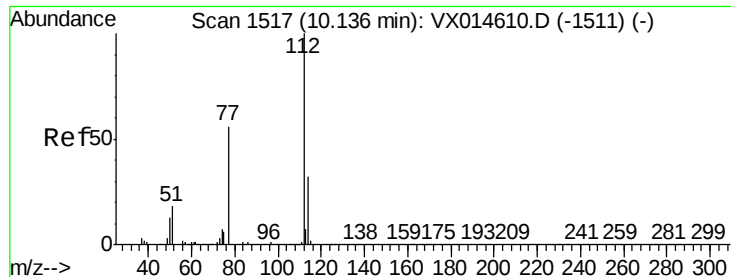
Tgt Ion: 98 Resp: 466032

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#64

Chlorobenzene

Concen: 20.386 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion:112 Resp: 229132

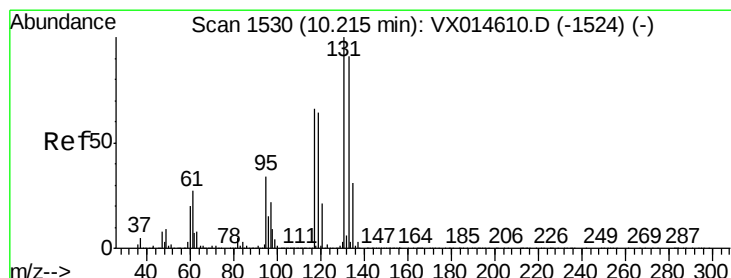
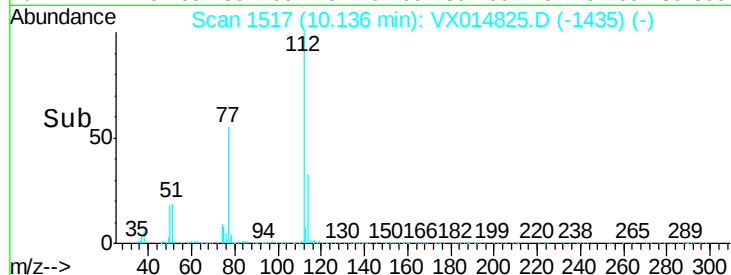
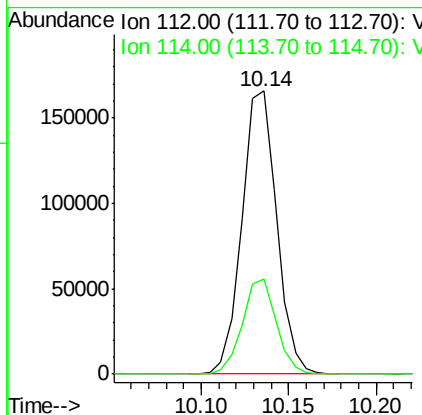
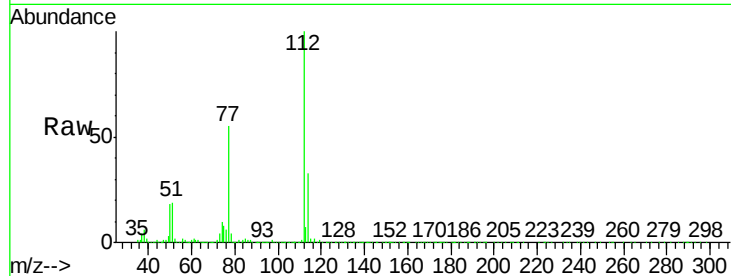
Ion Ratio Lower Upper

112 100

114 33.4 24.4 36.6

Manual Integrations
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#65

1,1,1,2-Tetrachloroethane

Concen: 20.556 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

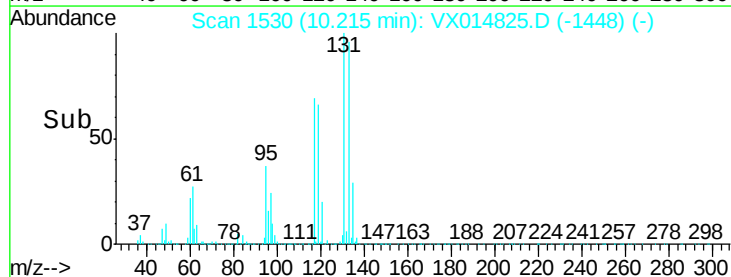
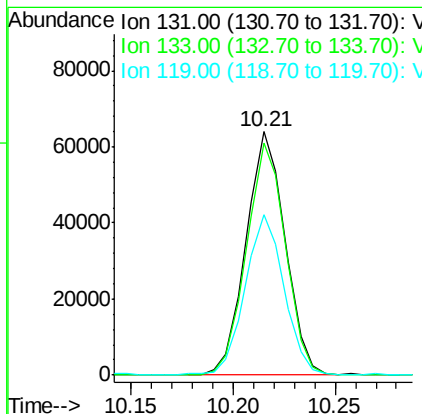
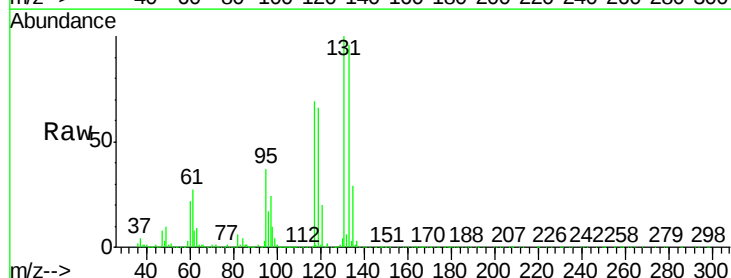
Tgt Ion:131 Resp: 85329

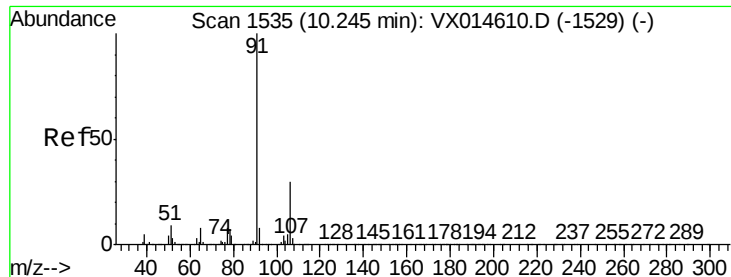
Ion Ratio Lower Upper

131 100

133 95.4 0.0 189.8

119 65.6 0.0 132.2





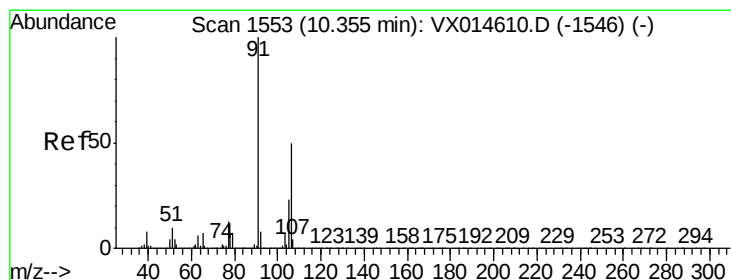
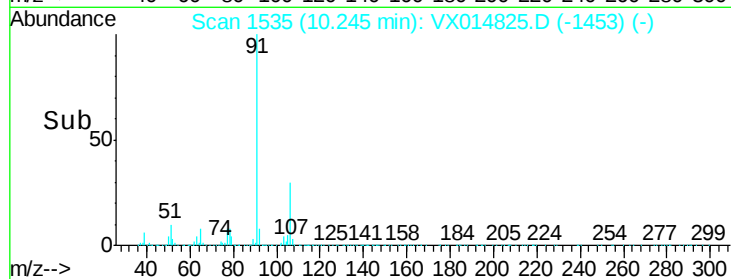
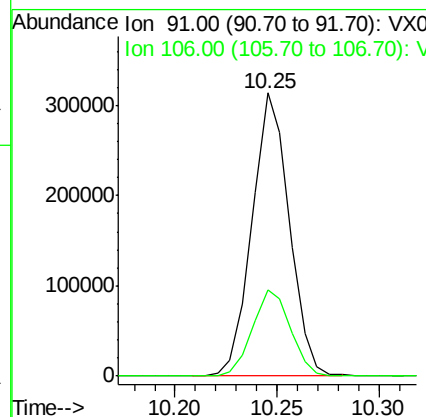
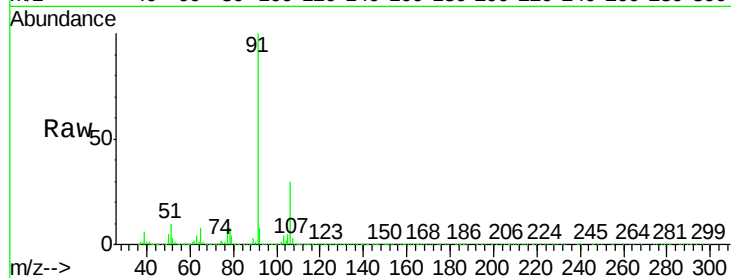
#66
Ethyl Benzene
Concen: 20.317 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.2

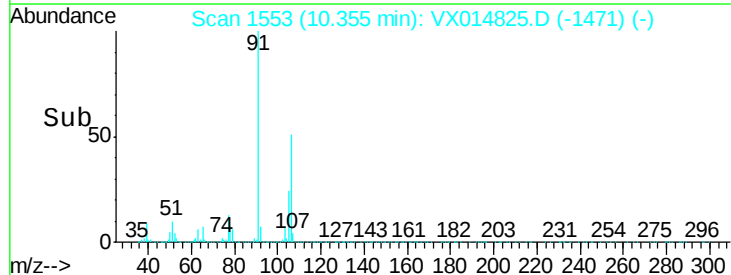
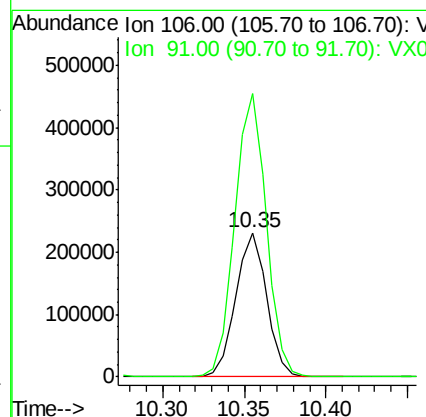
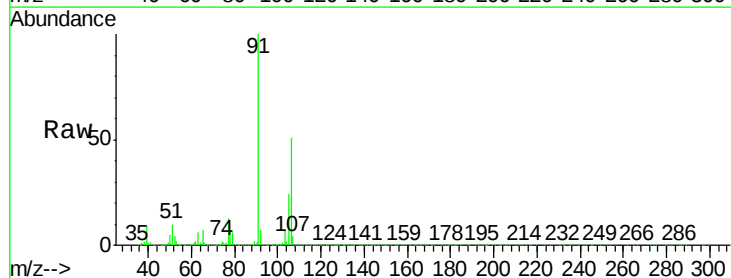
Manual Integrations
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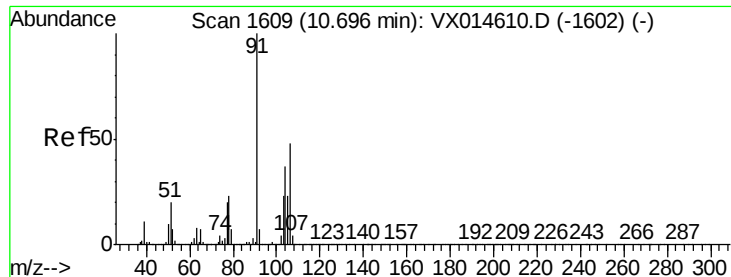
MMDadoda
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#67
m/p-Xylenes
Concen: 40.632 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.5	159.3	238.9





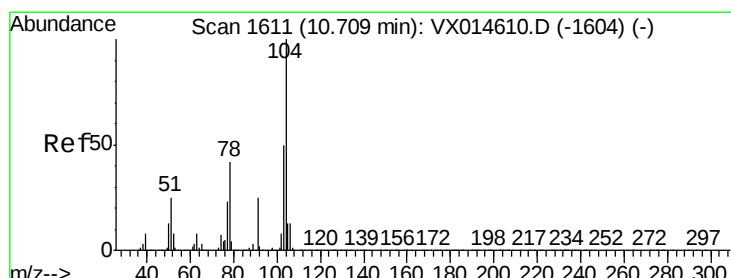
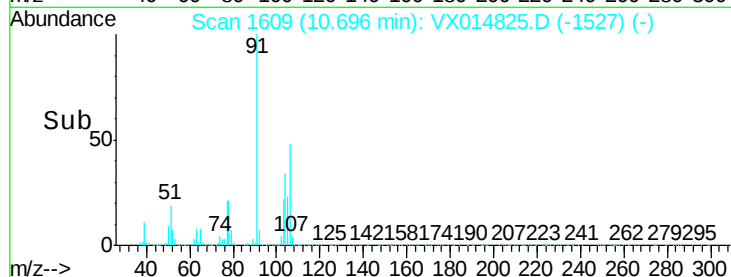
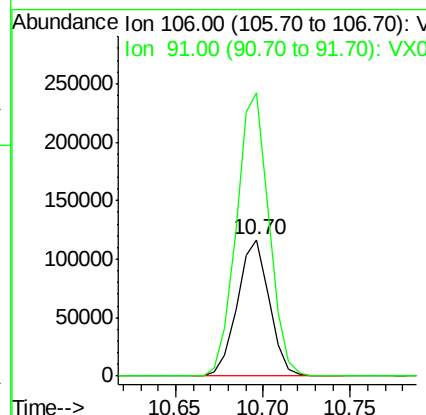
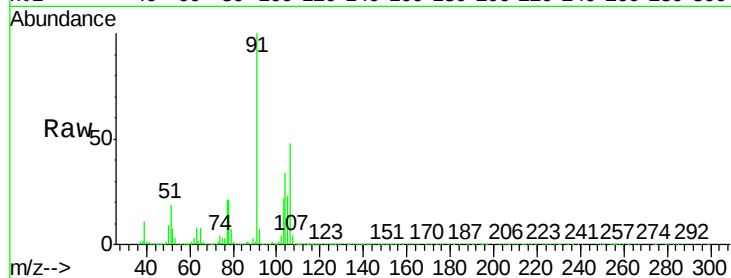
#68
o-Xylene
Concen: 20.166 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
106	100	147511		
91	210.8	104.8	314.6	

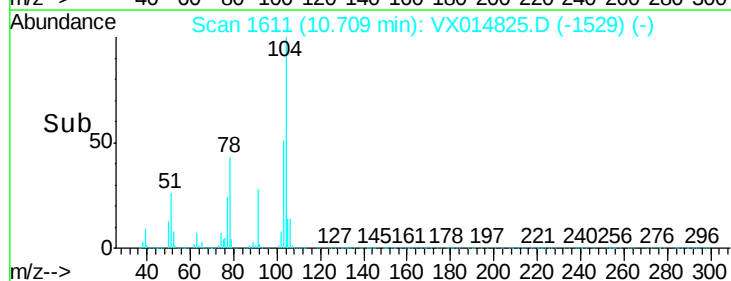
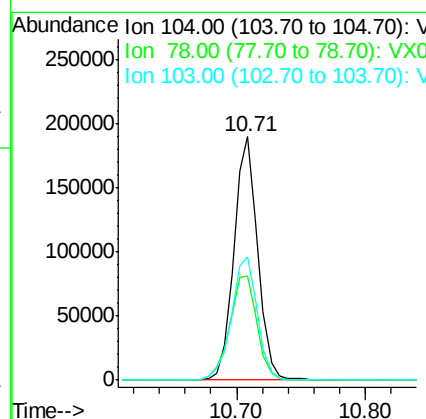
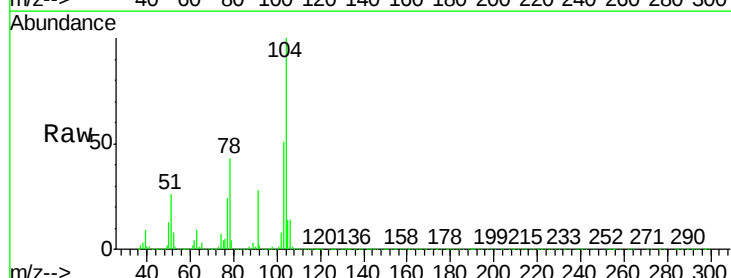
Manual Integrations
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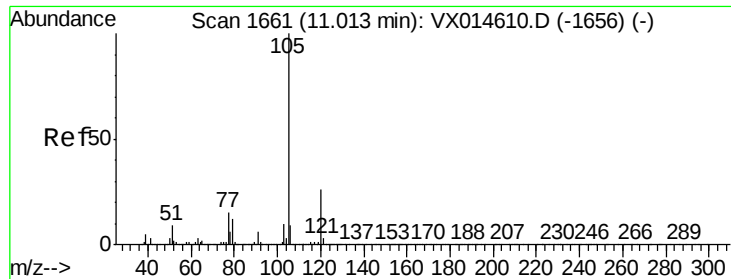
MMDadoda
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#69
Styrene
Concen: 19.777 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	245100		
78	49.2	38.9	58.3	
103	55.7	44.2	66.2	





#70

Isopropylbenzene

Concen: 20.464 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 105 Resp: 392155

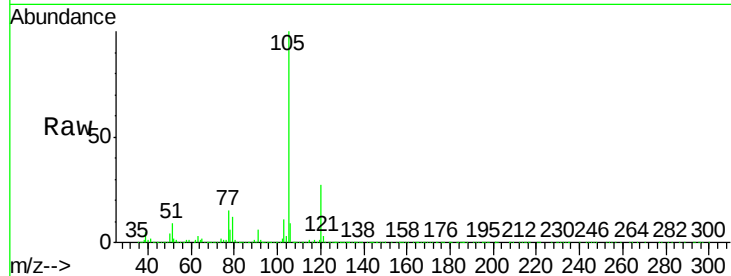
Ion Ratio Lower Upper

105 100

120 26.8 19.1 35.5

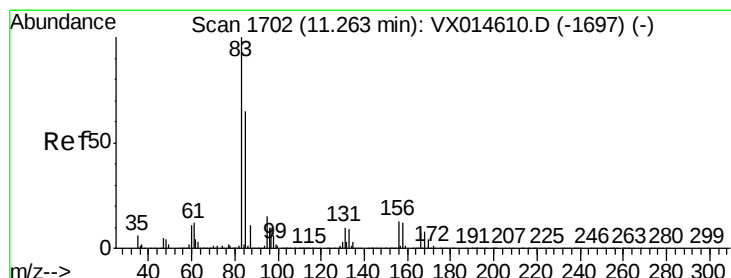
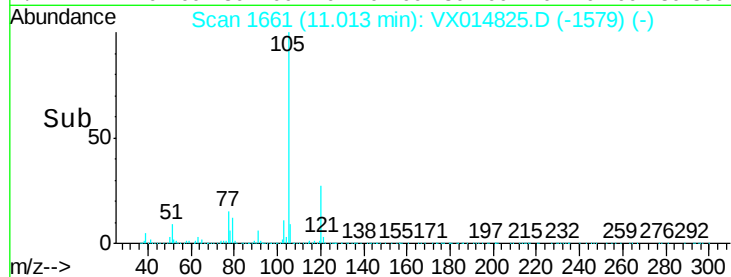
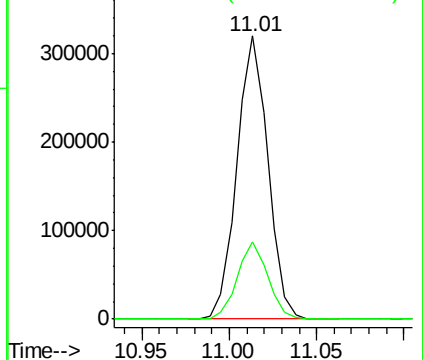
Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 21.126 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

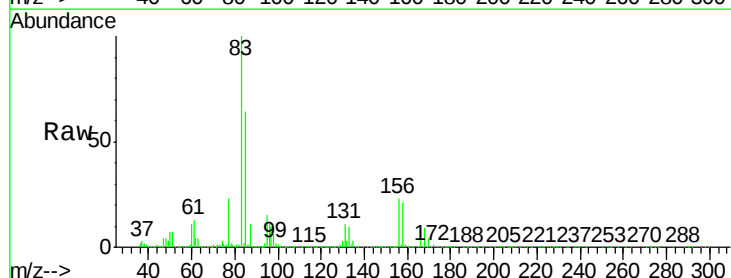
Tgt Ion: 83 Resp: 136368

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.7

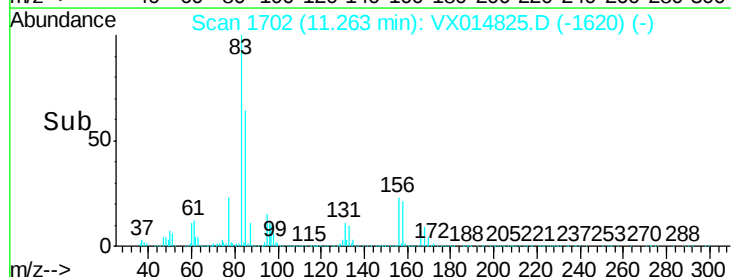
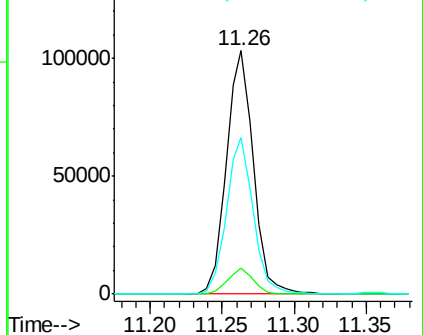
85 63.5 31.6 94.7

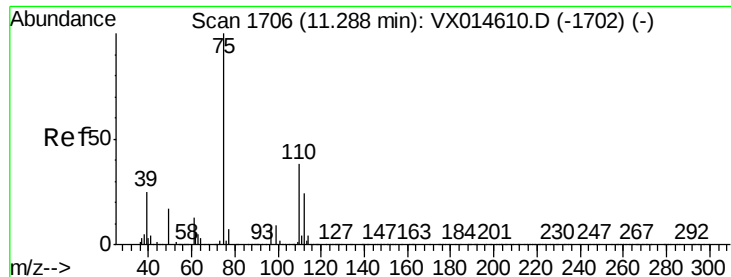


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0





#72

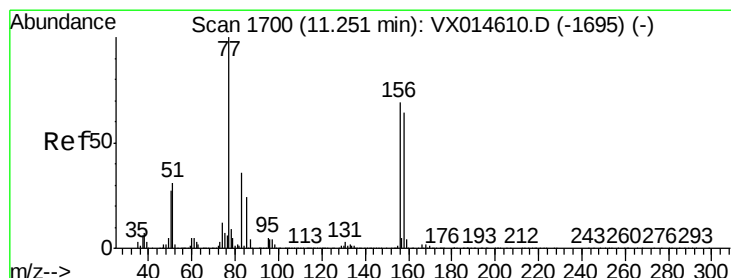
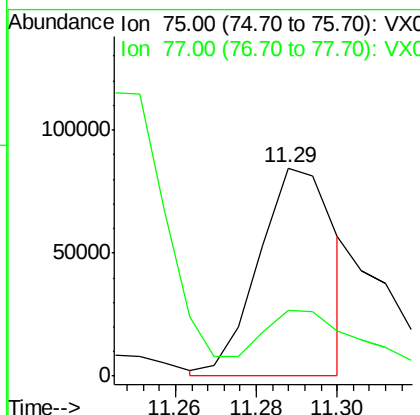
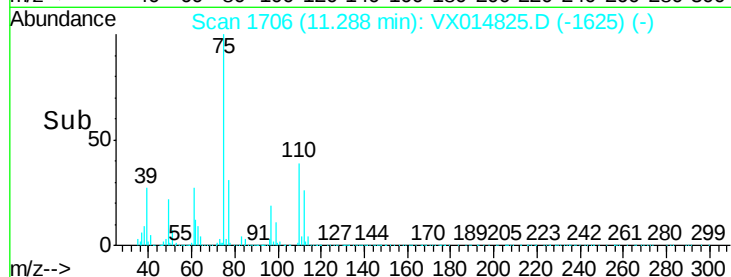
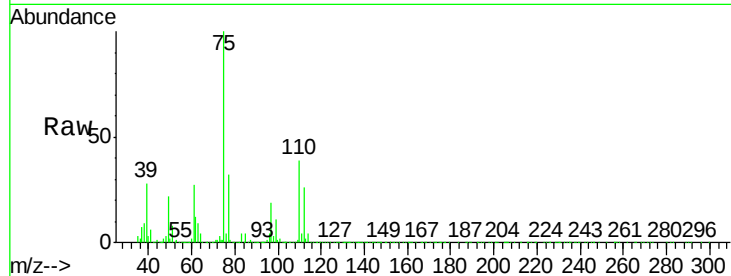
1,2,3-Trichloropropane
Concen: 19.924 ug/l m
RT: 11.29 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	41.0	0.0	68.4

Manual Integrations
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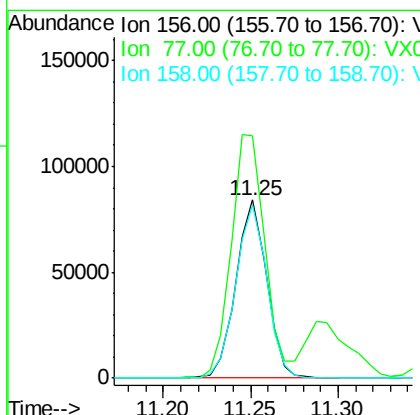
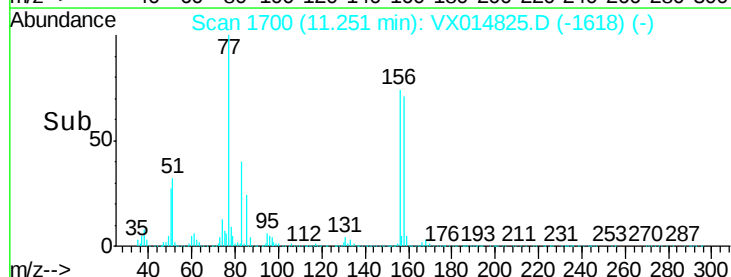
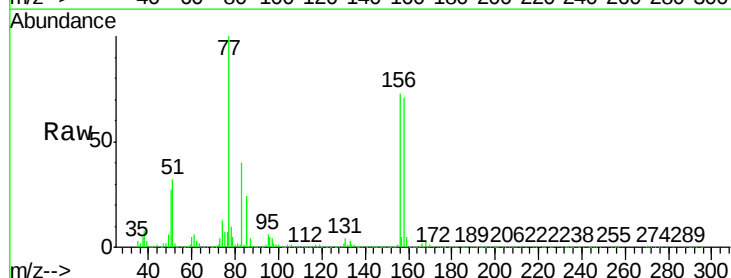
MMDadoda
2/6/2020 1:32:50 PM

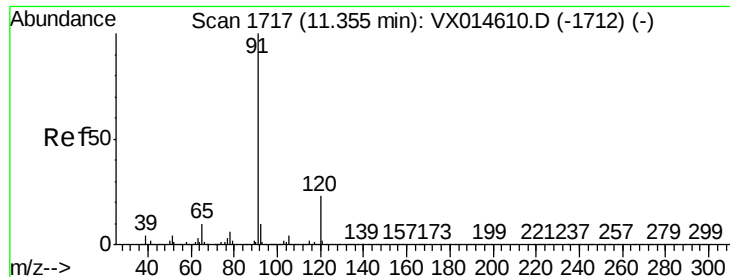


#73

Bromobenzene
Concen: 20.306 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
156	100		
77	147.8	0.0	304.6
158	98.5	0.0	195.2





#74

n-propylbenzene

Concen: 20.275 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 91 Resp: 443971

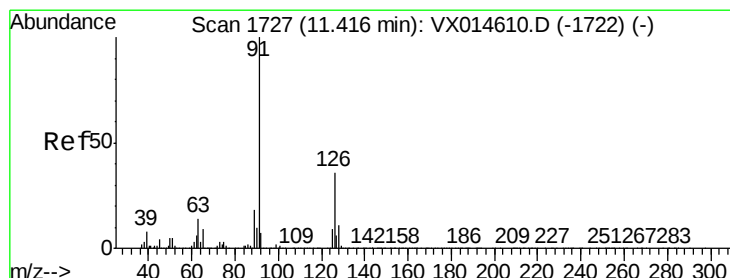
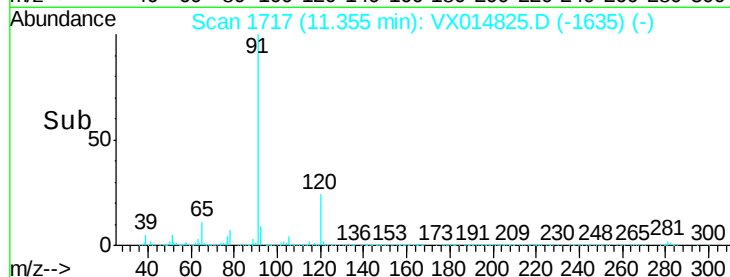
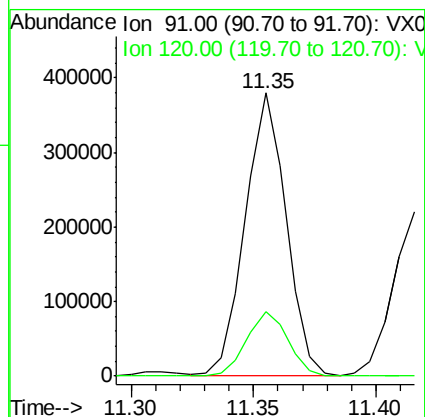
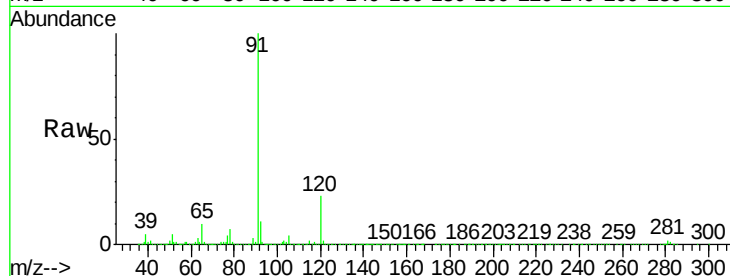
Ion Ratio Lower Upper

91 100

120 23.0 0.0 44.8

Manual Integrations
APPROVED

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#75

2-Chlorotoluene

Concen: 20.497 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014825.D

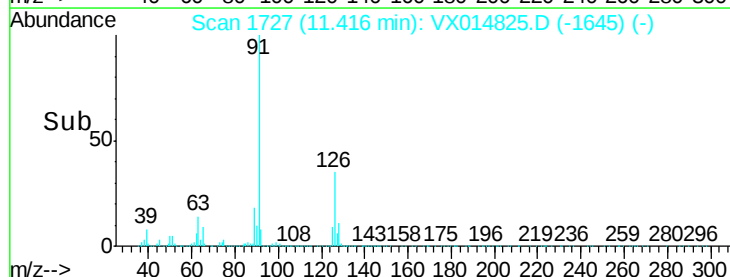
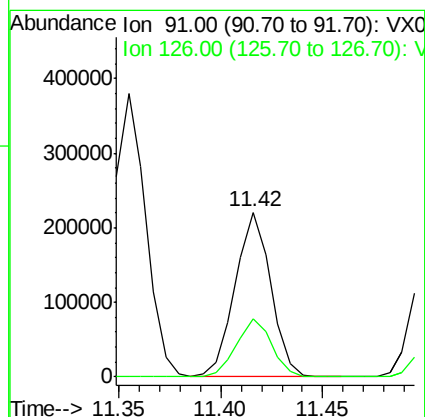
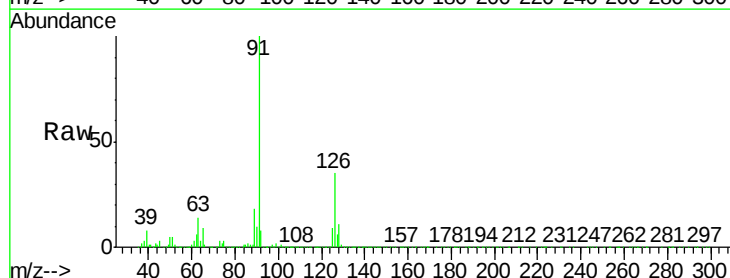
Acq: 05 Feb 2020 16:17

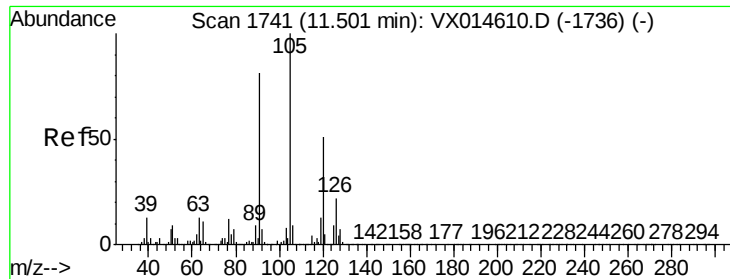
Tgt Ion: 91 Resp: 268998

Ion Ratio Lower Upper

91 100

126 34.6 0.0 70.8





#76

1,3,5-Trimethylbenzene

Concen: 20.479 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 105 Resp: 326999

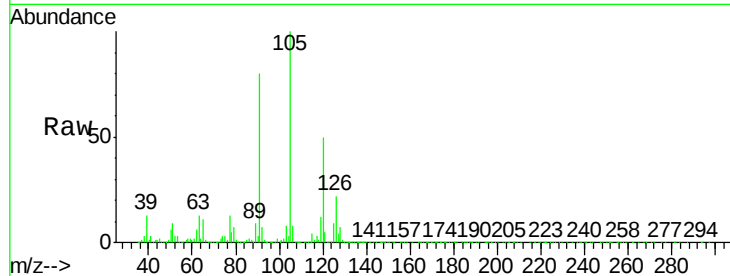
Ion Ratio Lower Upper

105 100

120 49.8 0.0 100.6

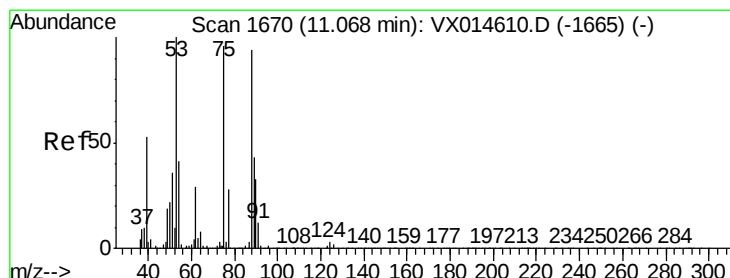
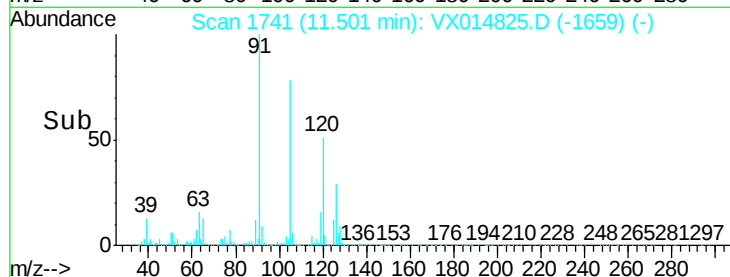
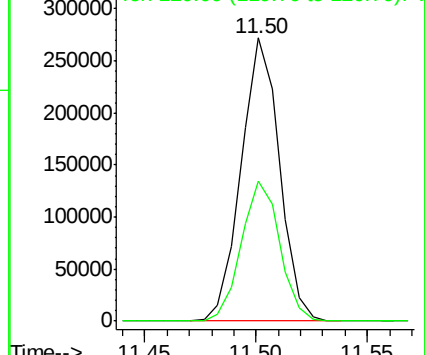
Manual Integrations
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2/6/2020 1:32:50 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 18.391 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

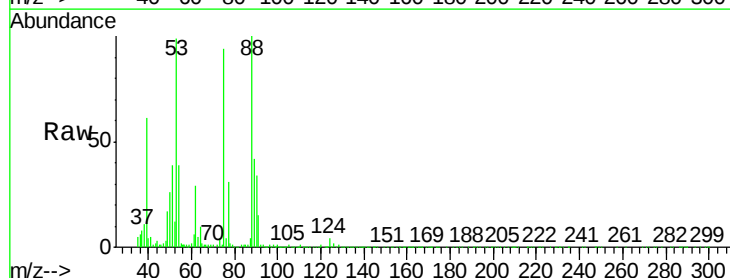
Tgt Ion: 75 Resp: 39081

Ion Ratio Lower Upper

75 100

53 104.3 54.4 163.1

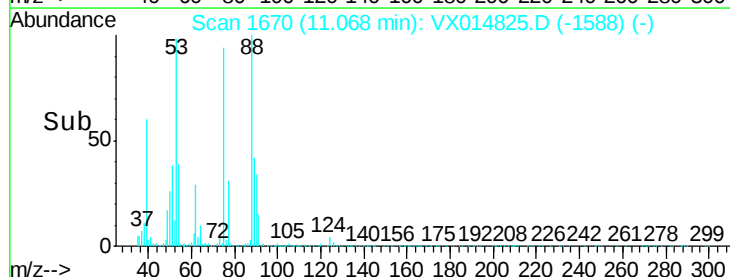
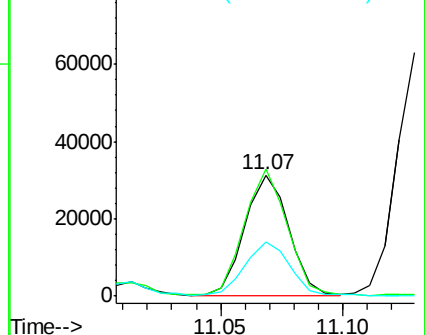
89 44.4 21.9 65.5

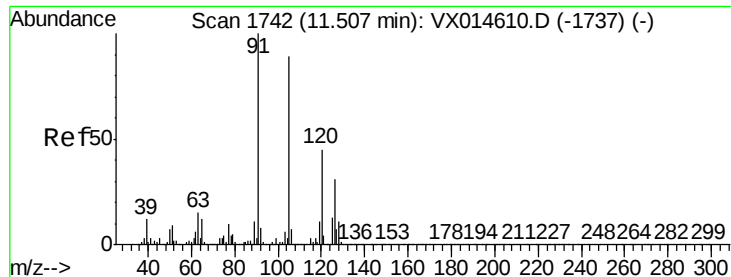


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0





#78

4-Chlorotoluene

Concen: 20.340 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampled :

BW-2MSD

Tot Ion: 91 Resp: 303150

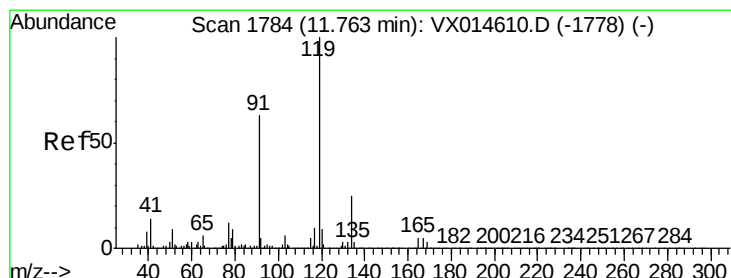
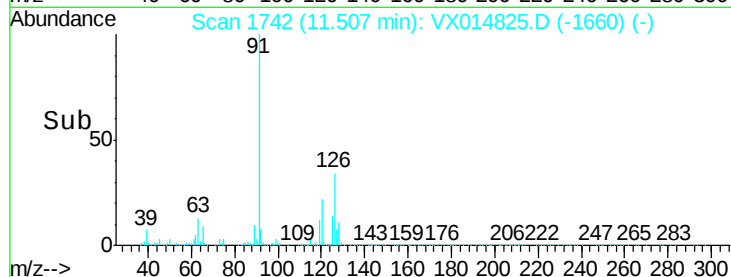
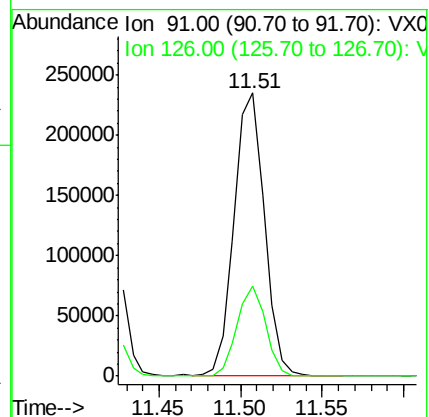
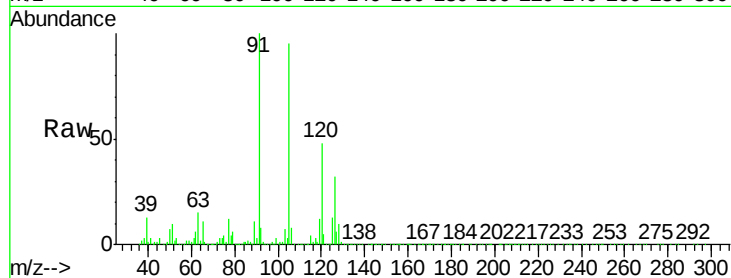
Ion Ratio Lower Upper

91 100

126 30.2 0.0 59.6

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#79

tert-butylbenzene

Concen: 20.881 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

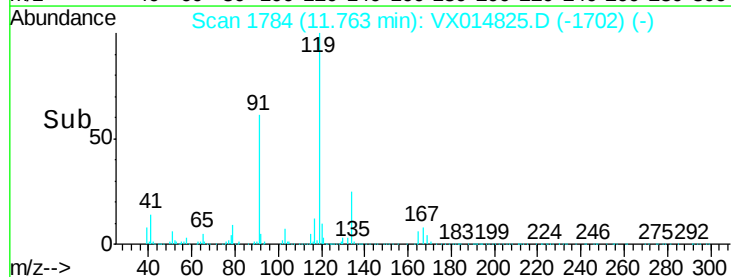
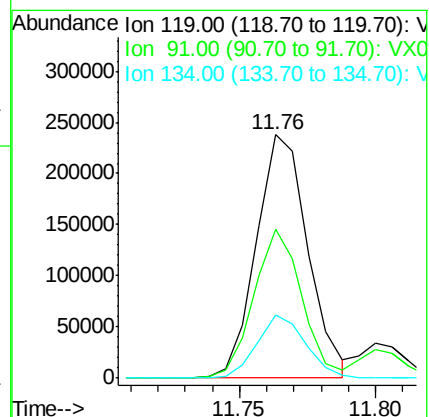
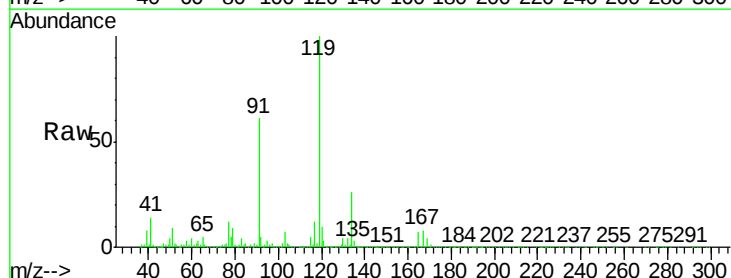
Tgt Ion: 119 Resp: 311983

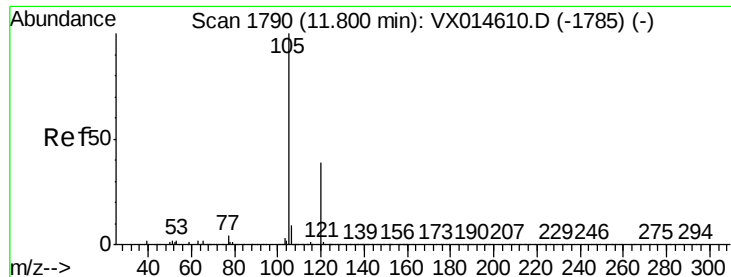
Ion Ratio Lower Upper

119 100

91 57.1 0.0 112.6

134 24.4 0.0 49.8





#80

1,2,4-Trimethylbenzene

Concen: 20.374 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion:105 Resp: 324473

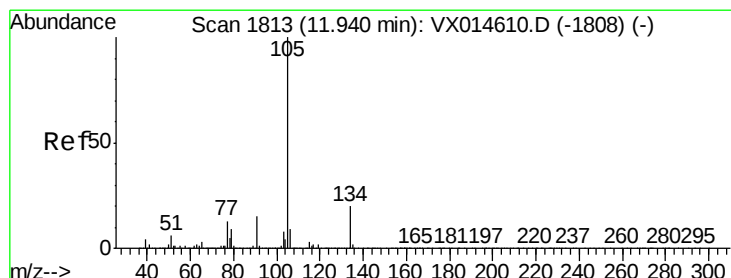
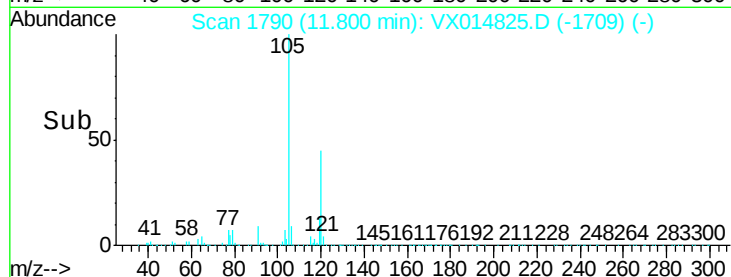
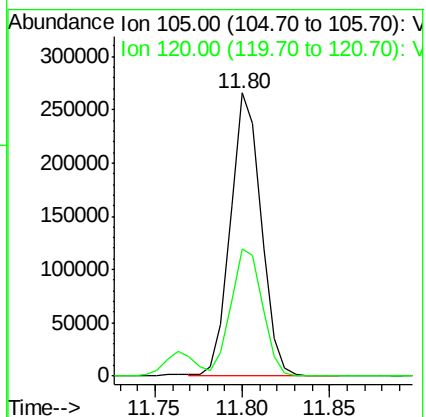
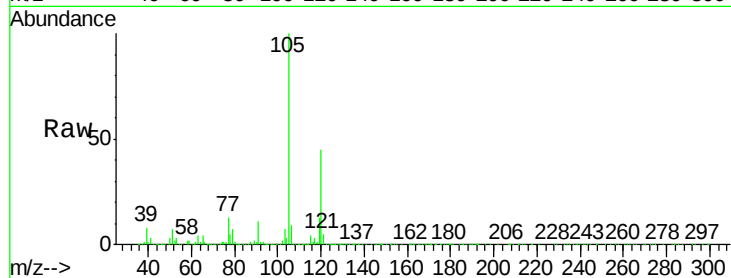
Ion Ratio Lower Upper

105 100

120 46.0 0.0 92.0

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#81

sec-Butylbenzene

Concen: 20.256 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014825.D

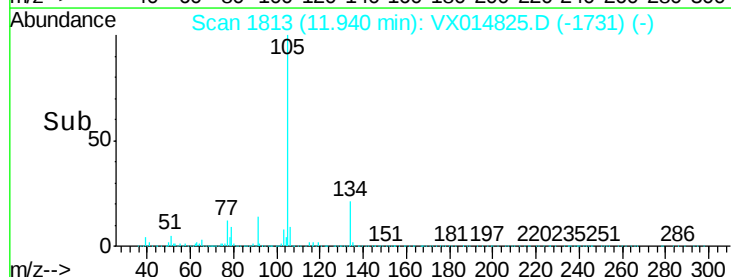
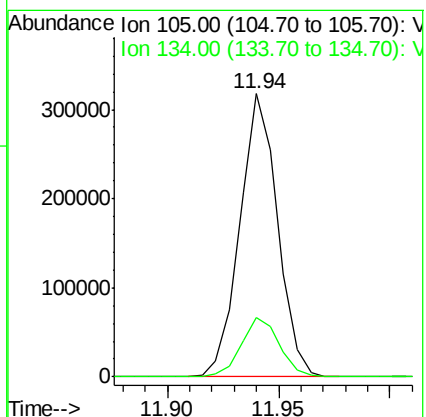
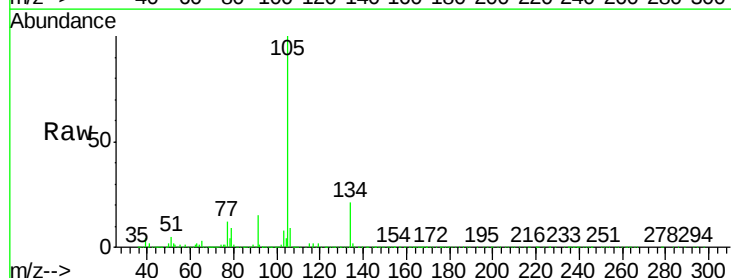
Acq: 05 Feb 2020 16:17

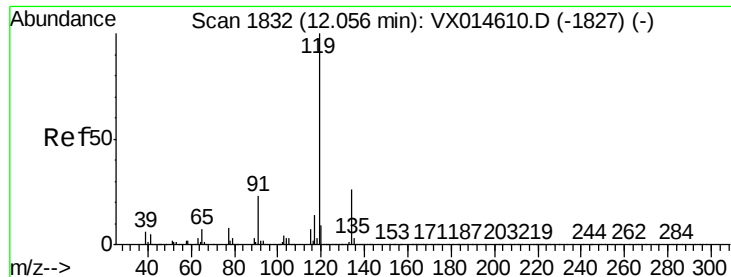
Tgt Ion:105 Resp: 374496

Ion Ratio Lower Upper

105 100

134 21.2 0.0 40.2





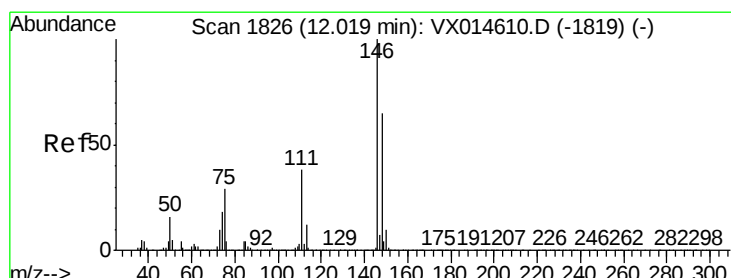
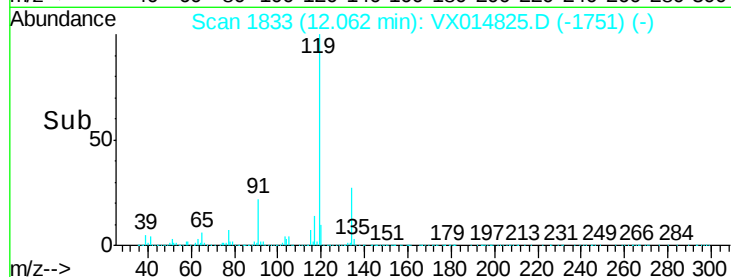
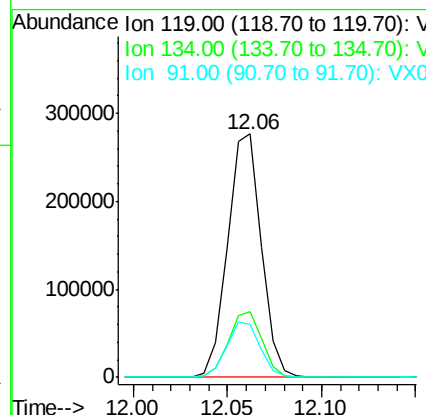
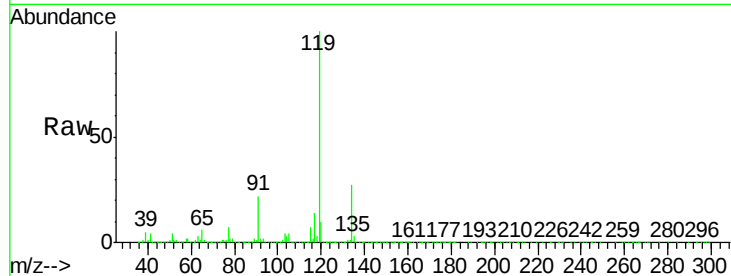
#82
 p-Isopropyltoluene
 Concen: 20.200 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MSD

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	27.2	0.0	53.8
91	22.6	0.0	45.0

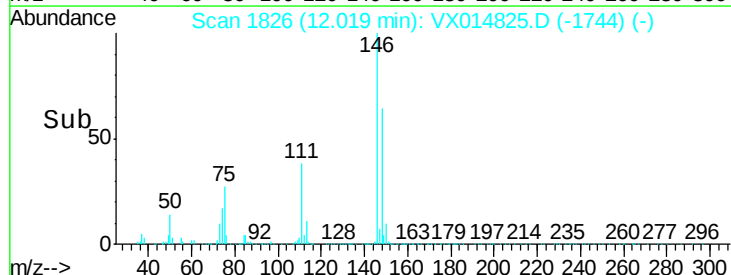
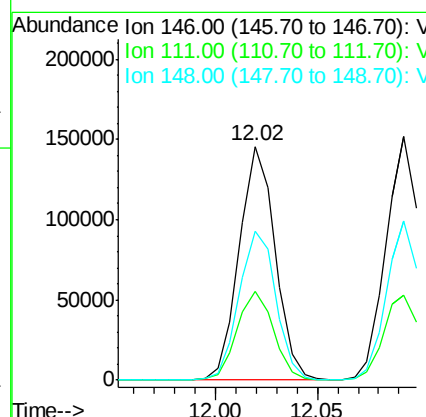
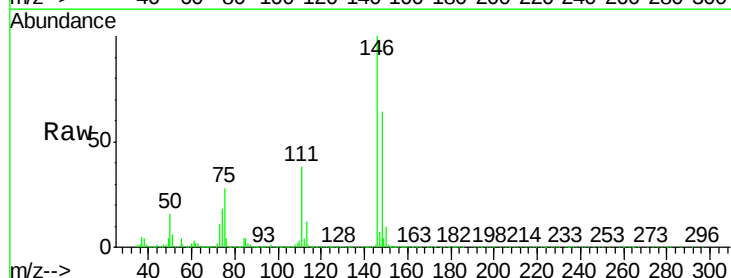
Manual Integrations
 APPROVED

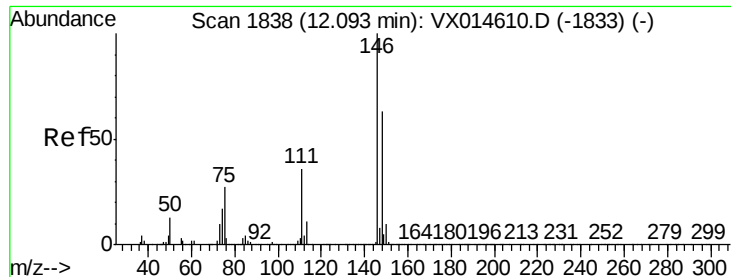
MMDadoda
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#83
 1,3-Dichlorobenzene
 Concen: 20.127 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	38.2	19.3	57.9
148	65.4	32.2	96.6





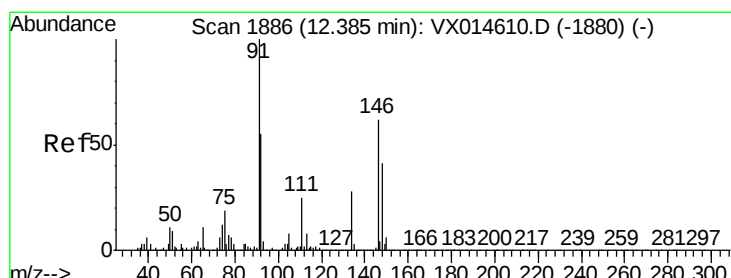
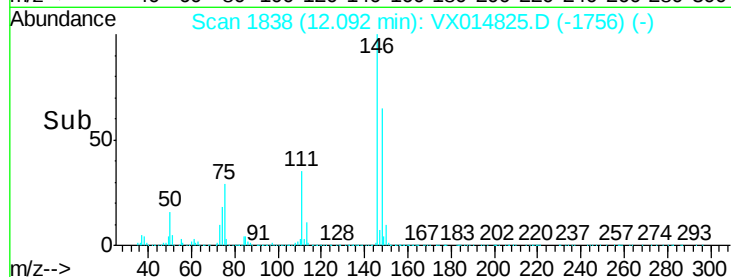
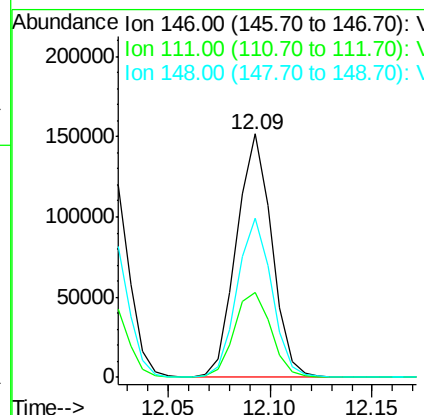
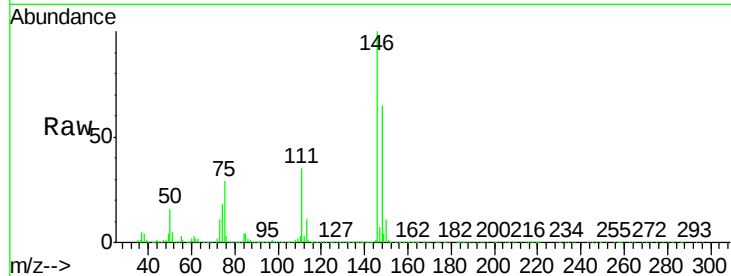
#84
 1,4-Dichlorobenzene
 Concen: 20.613 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.4
148	64.5	32.0	96.0

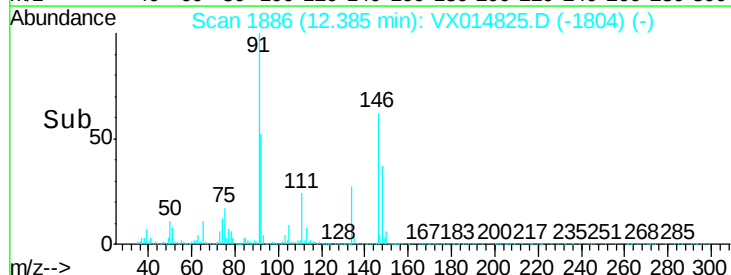
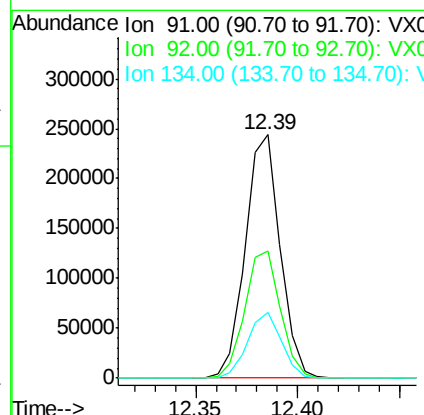
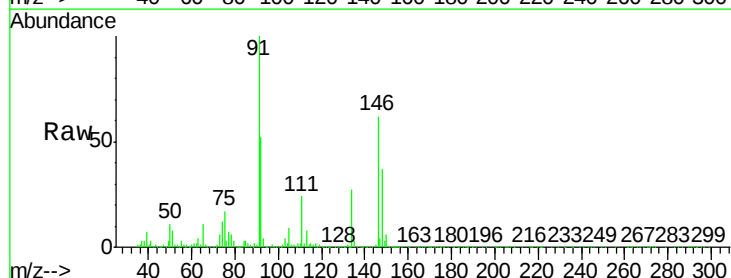
Manual Integrations
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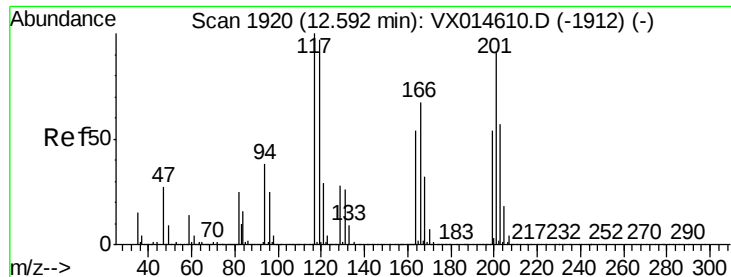
MMDadoda
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#85
 n-Butylbenzene
 Concen: 19.524 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	0.0	109.0
134	26.4	0.0	54.0





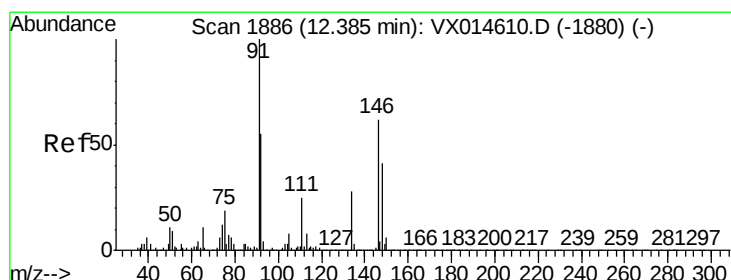
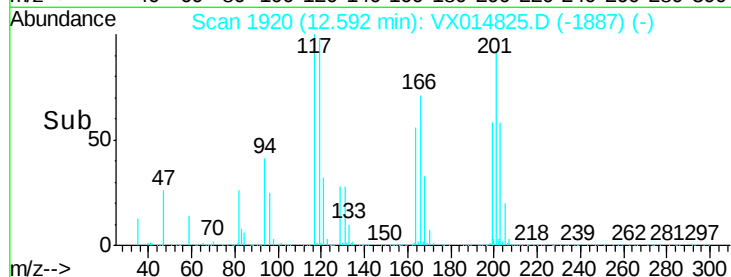
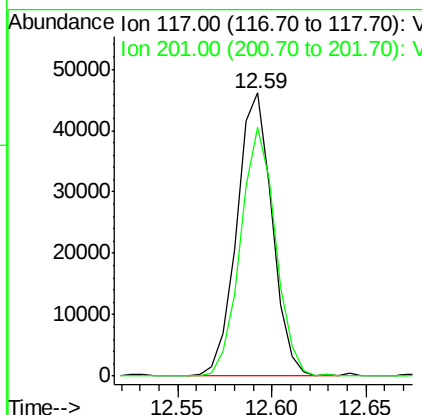
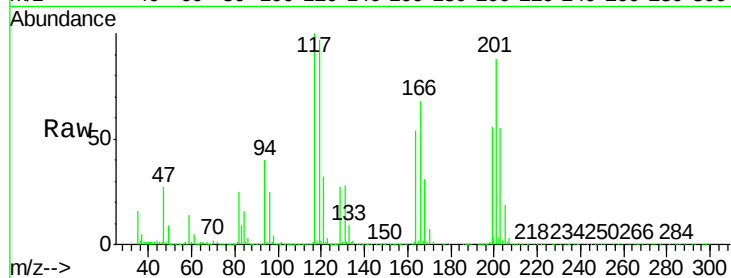
#86
Hexachloroethane
Concen: 19.692 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampled :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	59601		
201	87.1	44.8	134.3	

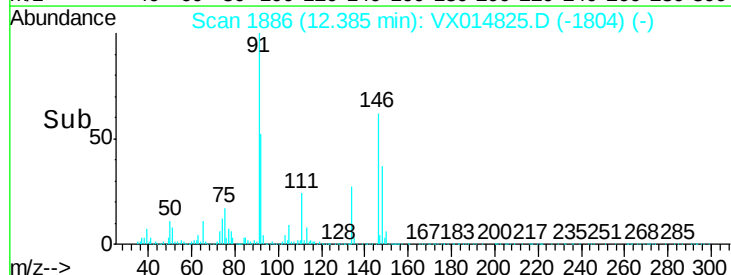
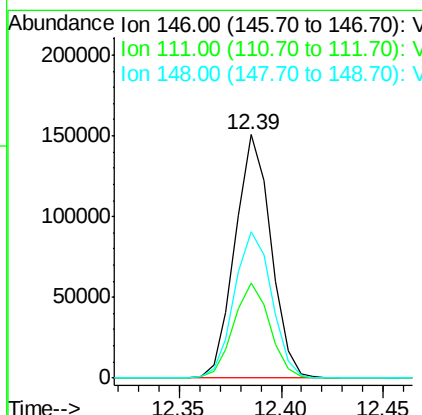
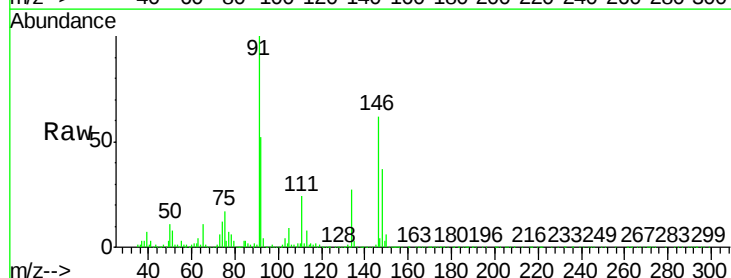
Manual Integrations
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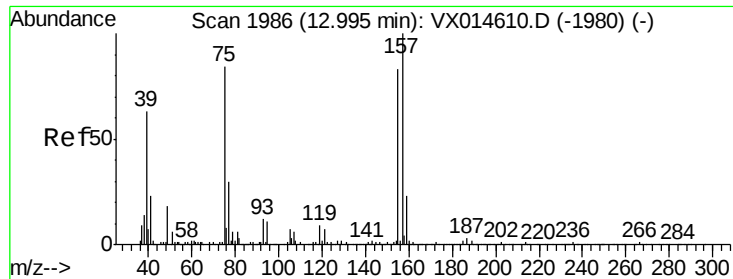
MMDadoda
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#87
1,2-Dichlorobenzene
Concen: 20.520 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183646		
111	39.4	20.1	60.2	
148	62.9	32.0	96.2	





#88

1,2-Dibromo-3-Chloropropane

Concen: 20.015 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

BW-2MSD

Tot Ion: 75 Resp: 27598

Ion Ratio Lower Upper

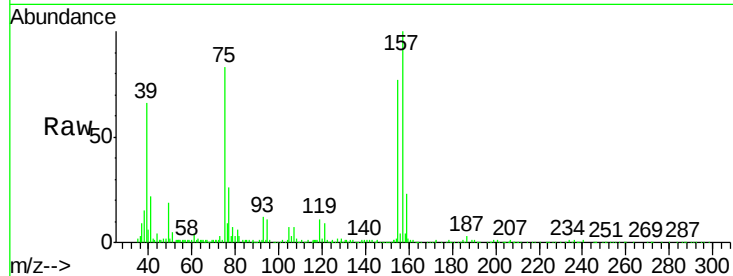
75 100

155 94.2 73.8 110.6

157 121.1 95.0 142.4

Manual Integrations
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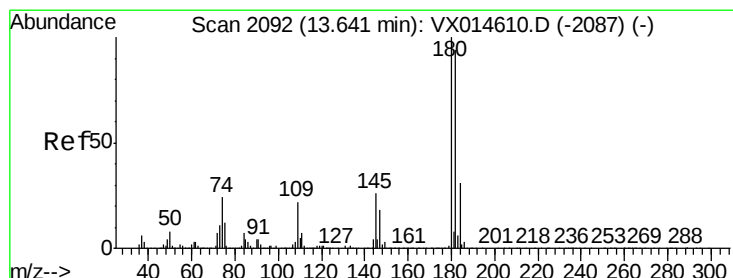
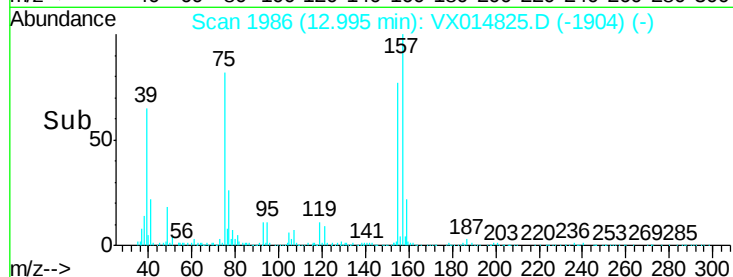
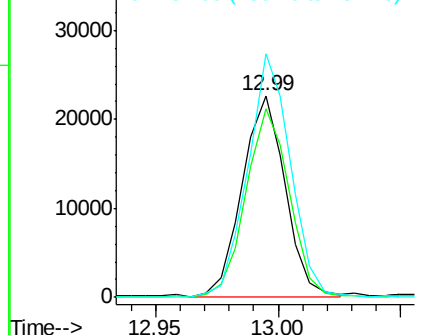
MMDadoda
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Abundance Ion 75.00 (74.70 to 75.70): VX

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#89

1,2,4-Trichlorobenzene

Concen: 20.432 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014825.D

Acq: 05 Feb 2020 16:17

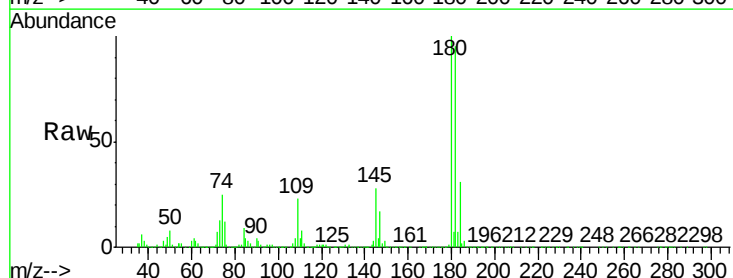
Tgt Ion: 180 Resp: 120696

Ion Ratio Lower Upper

180 100

182 96.1 76.4 114.6

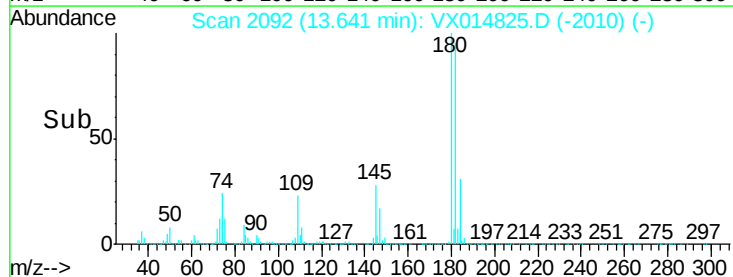
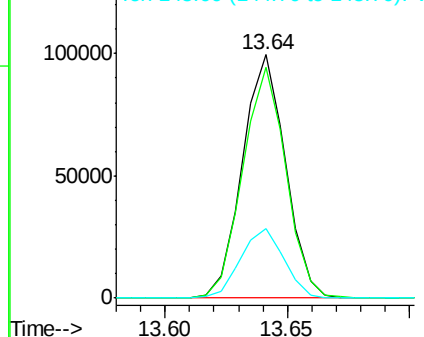
145 29.0 21.9 32.9

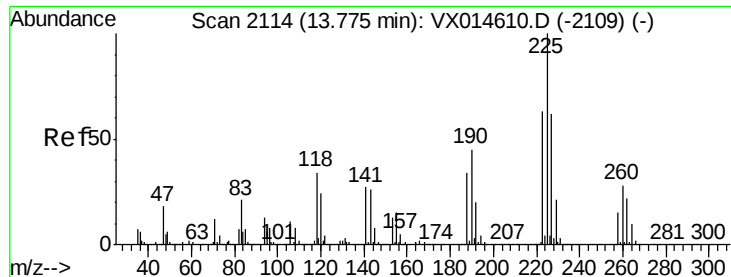


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





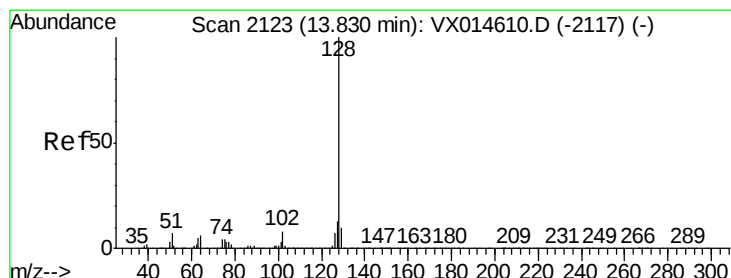
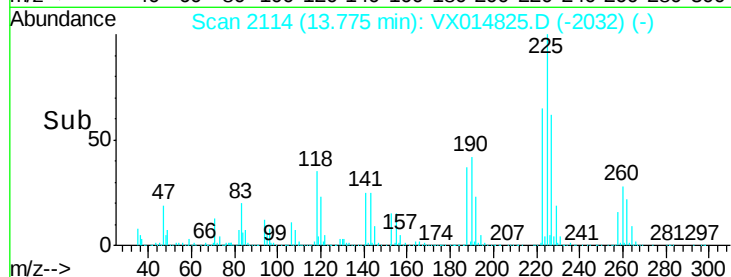
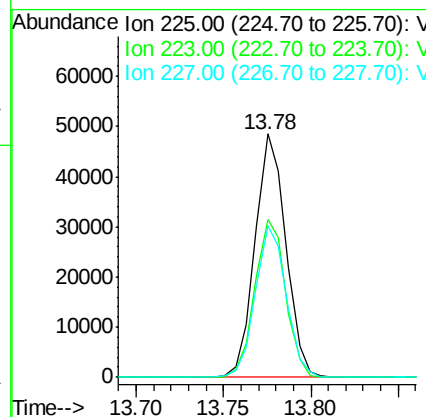
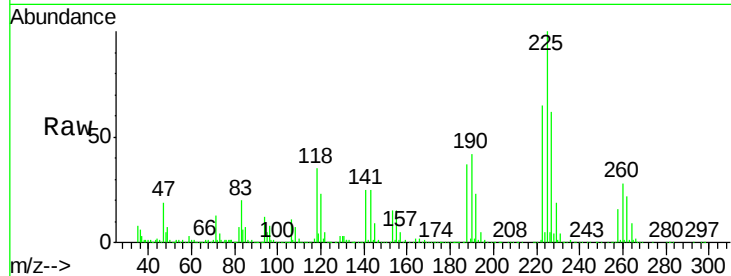
#90
Hexachlorobutadiene
Concen: 20.107 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	59350		
223	64.5	0.0	127.4	
227	62.0	0.0	122.8	

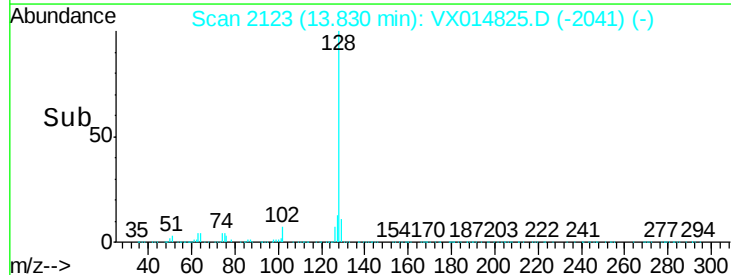
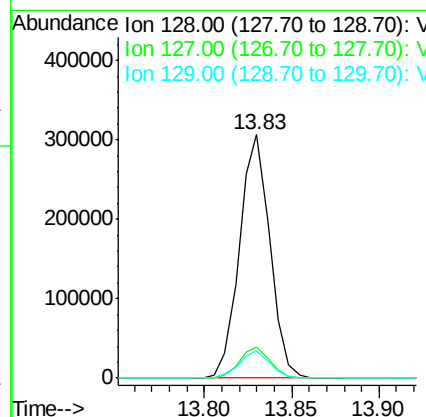
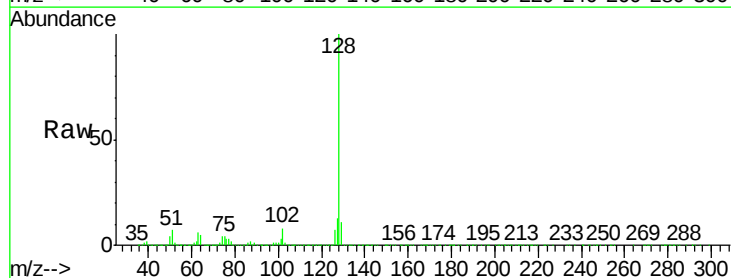
Manual Integrations
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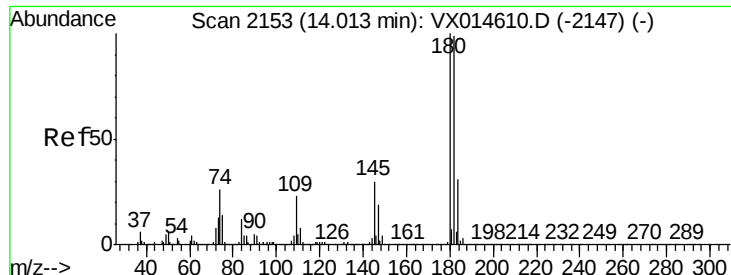
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#91
Naphthalene
Concen: 20.701 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014825.D
Acq: 05 Feb 2020 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	369140		
127	12.9	10.4	15.6	
129	11.2	8.9	13.3	





#92
 1,2,3-Trichlorobenzene
 Concen: 21.100 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX014825.D
 Acq: 05 Feb 2020 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BW-2MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.4	0.0	192.8
145	28.9	0.0	60.0

Manual Integrations
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