

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014690.D
 Acq On : 24 Jan 2020 11:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 10:35:17 AM

Quant Time: Jan 24 22:41:49 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	5.00	128	69163	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	368202	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	340465	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	149769	30.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.70%
60) 4-Bromofluorobenzene	11.13	95	164435	30.18	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.60%
63) Toluene-d8	8.71	98	459553	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	84817	17.745	ug/l 99
3) Chloromethane	1.32	50	98398	18.803	ug/l 97
4) Vinyl Chloride	1.40	62	106823	18.180	ug/l 99
5) Bromomethane	1.64	94	66542	18.148	ug/l 97
6) Chloroethane	1.72	64	62087	18.744	ug/l 99
7) Trichlorofluoromethane	1.92	101	116956	17.976	ug/l 99
8) Diethyl Ether	2.18	74	58479	20.578	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	68731	18.056	ug/l 100
10) 1,1-Dichloroethene	2.37	96	68444	17.876	ug/l 95
11) Methyl Iodide	2.50	142	96896	18.871	ug/l 99
12) Methyl Acetate	2.76	43	147147	21.275	ug/l 98
13) Acrolein	2.28	56	87278	120.136	ug/l 96
14) Acrylonitrile	3.13	53	237649	100.417	ug/l 99
15) Acetone	2.43	58	82029	103.389	ug/l 87
16) Carbon Disulfide	2.56	76	185139	17.607	ug/l 97
17) Allyl chloride	2.72	41	132783	18.739	ug/l 96
18) Methylene Chloride	2.85	84	92291	20.596	ug/l 92
19) trans-1,2-Dichloroethene	3.15	96	77098	18.706	ug/l 95
20) Diisopropyl ether	3.84	45	290397	20.714	ug/l 95
21) 1,1-Dichloroethane	3.69	63	148656	19.519	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	93162	19.670	ug/l 97
23) tert-Butyl Alcohol	3.02	59	98240	100.373	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	263312	20.665	ug/l 100
25) Chloroform	5.20	83	149722	20.294	ug/l 96
26) Cyclohexane	5.56	56	121905	17.353	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	100808	18.668	ug/l 99
30) 2-Butanone	4.65	43	358389	104.771	ug/l 99
31) 2,2-Dichloropropane	4.58	77	111416	19.283	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	114437	19.155	ug/l 99
33) Carbon Tetrachloride	5.78	117	93893	18.307	ug/l 97
34) Benzene	6.13	78	335654	20.115	ug/l 96
35) Methacrylonitrile	5.02	41	69329	20.293	ug/l 99
36) 1,2-Dichloroethane	6.18	62	123858	21.329	ug/l 98
37) Trichloroethene	7.20	130	89607	19.613	ug/l 93
38) Methylcyclohexane	7.45	83	120146	17.870	ug/l 98
39) 1,2-Dichloropropane	7.50	63	88772	20.459	ug/l 96
40) Dibromomethane	7.65	93	58607	21.017	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	112124	20.532	ug/l	99
42) Vinyl Acetate	3.80	43	1104828	104.790	ug/l	99
43) Ethyl Acetate	4.81	43	128322	20.723	ug/l	100
44) Isopropyl Acetate	6.43	43	207821	20.804	ug/l	98
45) 1,4-Dioxane	7.73	88	41569	416.005	ug/l	94
46) Methyl methacrylate	7.76	41	100369	20.432	ug/l	95
47) n-amyl Acetate	10.89	43	165668	19.793	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	123742	20.755	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	138015	20.545	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	88454	20.846	ug/l	96
51) Ethyl methacrylate	9.17	69	133857	20.260	ug/l	95
52) 1,3-Dichloropropane	9.36	76	150154	20.886	ug/l	97
53) Dibromochloromethane	9.57	129	90446	20.839	ug/l	99
54) 1,2-Dibromoethane	9.67	107	93877	21.332	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	296384	97.610	ug/l	99
56) Bromoform	10.85	173	67943	20.323	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	658678	102.734	ug/l	99
59) 2-Hexanone	9.48	43	513085	103.474	ug/l	99
61) Tetrachloroethene	9.33	164	97819	19.438	ug/l	99
62) Toluene	8.78	91	358538	19.849	ug/l	99
64) Chlorobenzene	10.14	112	225887	20.032	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	82010	19.692	ug/l	97
66) Ethyl Benzene	10.25	91	380088	19.318	ug/l	98
67) m/p-Xylenes	10.35	106	295113	39.159	ug/l	99
68) o-Xylene	10.70	106	142667	19.441	ug/l	99
69) Styrene	10.71	104	248659	19.998	ug/l	99
70) Isopropylbenzene	11.01	105	368007	19.142	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	130832	20.202	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	112620m	20.330	ug/l	
73) Bromobenzene	11.25	156	101223	19.862	ug/l	99
74) n-propylbenzene	11.35	91	422736	19.243	ug/l	99
75) 2-Chlorotoluene	11.42	91	258566	19.638	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	310893	19.407	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	39995	18.759	ug/l	96
78) 4-Chlorotoluene	11.51	91	294409	19.689	ug/l	99
79) tert-butylbenzene	11.76	119	283659	18.924	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	315080	19.719	ug/l	100
81) sec-Butylbenzene	11.94	105	348331	18.780	ug/l	100
82) p-Isopropyltoluene	12.06	119	319941	18.894	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	176543	19.839	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	175643	19.909	ug/l	99
85) n-Butylbenzene	12.39	91	267347	18.045	ug/l	99
86) Hexachloroethane	12.59	117	56001	18.443	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	179774	20.022	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27607	19.956	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	116826	19.712	ug/l	99
90) Hexachlorobutadiene	13.78	225	55057	18.592	ug/l	99
91) Naphthalene	13.83	128	345875	19.333	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	120654	20.001	ug/l	99

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VSTDCCC020

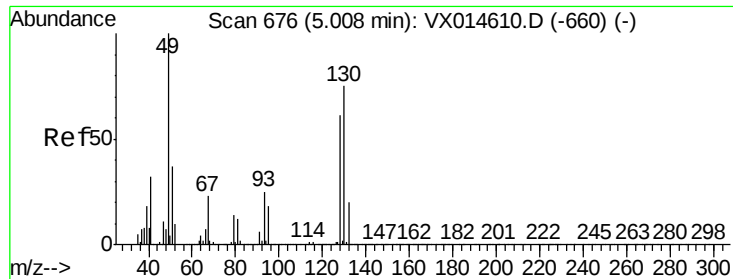
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
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QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration

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



#1

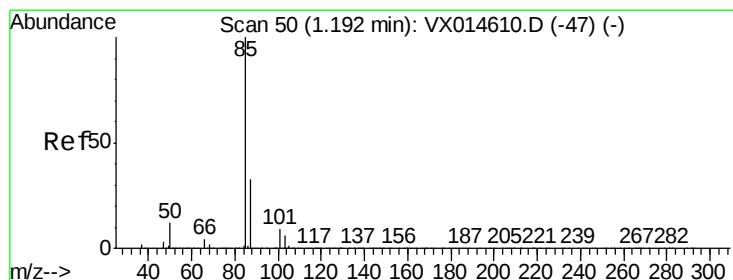
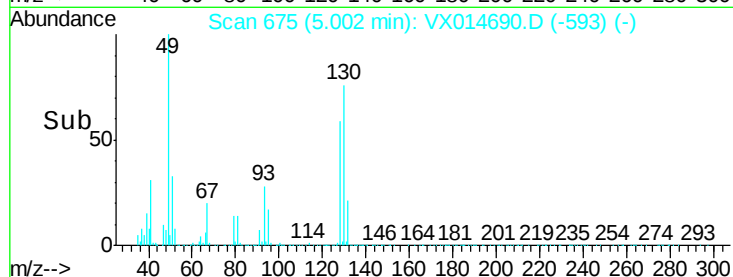
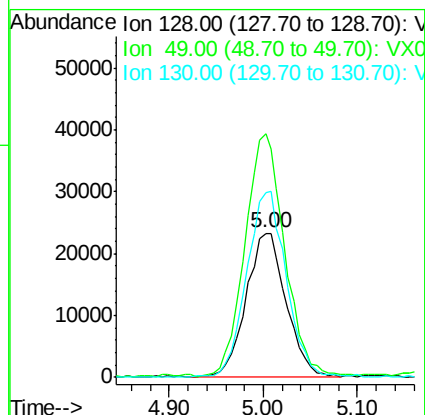
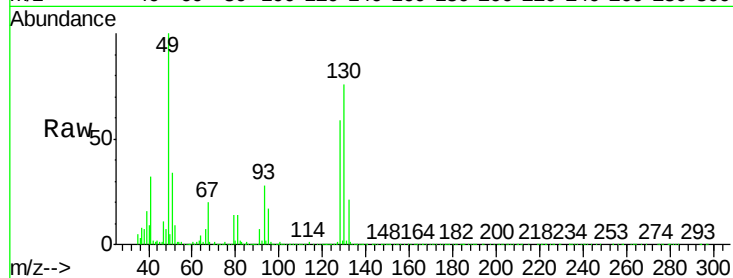
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	166.6	0.0	405.0
130	127.1	0.0	321.5

Manual Integrations
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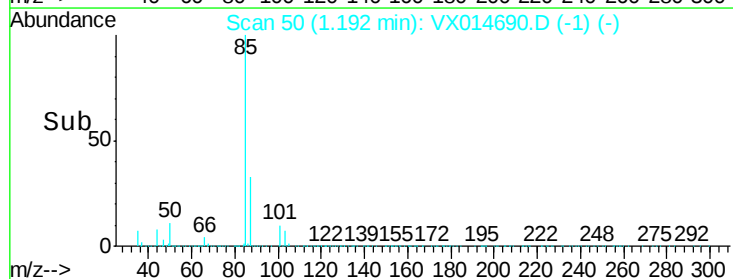
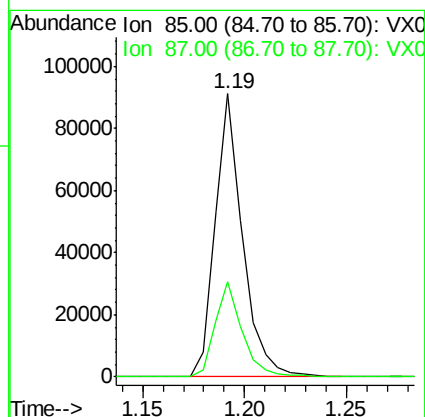
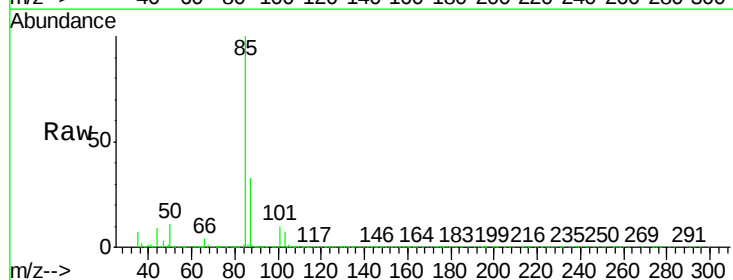
MMDadoda
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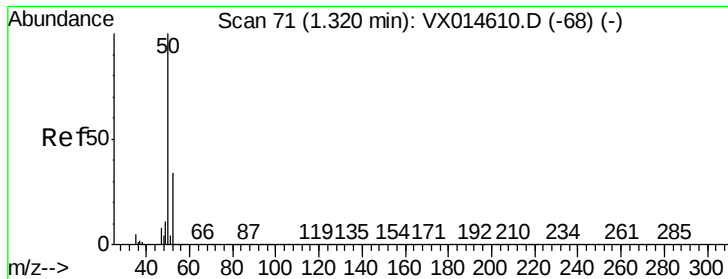


#2

Dichlorodifluoromethane
 Concen: 17.745 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.3	48.9





#3

Chloromethane

Concen: 18.803 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 98398

Ion Ratio Lower Upper

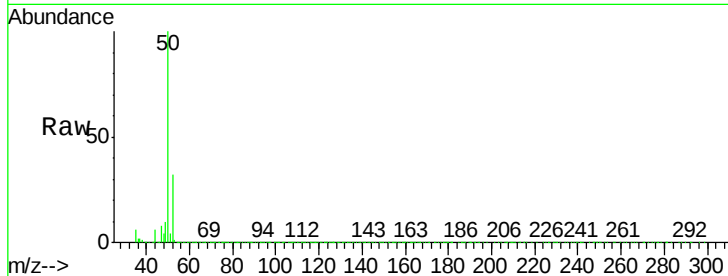
50 100

52 31.8 24.3 36.5

Manual Integrations
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1/27/2020 10:35:17 AM



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.32

120000

100000

80000

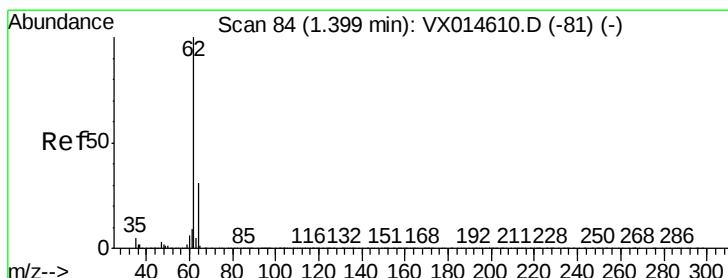
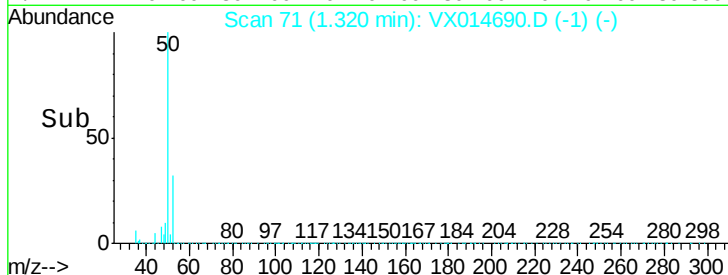
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.180 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014690.D

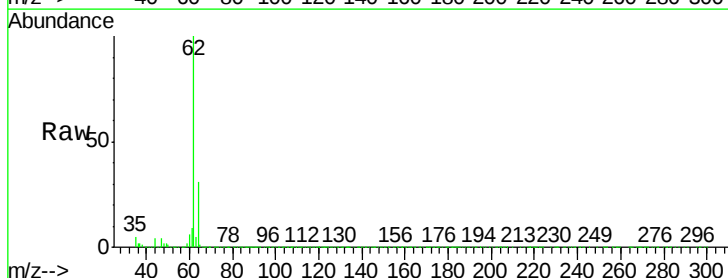
Acq: 24 Jan 2020 11:56

Tgt Ion: 62 Resp: 106823

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

1.40

120000

100000

80000

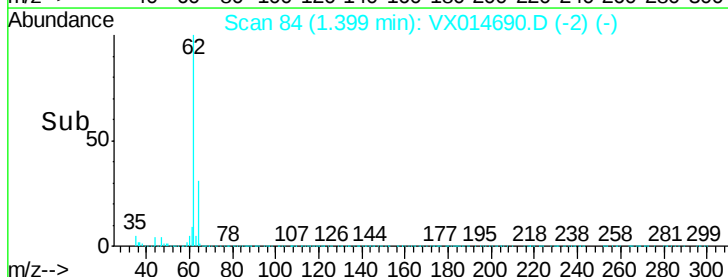
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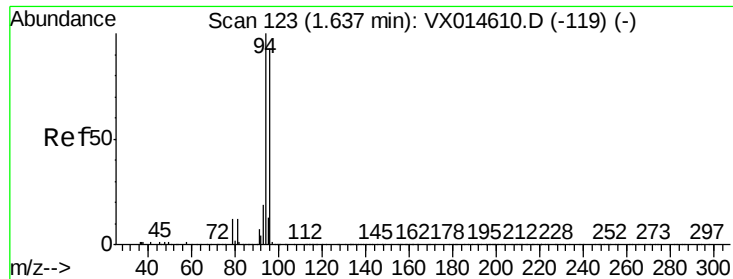
40000

20000

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Time-->





#5

Bromomethane

Concen: 18.148 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 66542

Ion Ratio Lower Upper

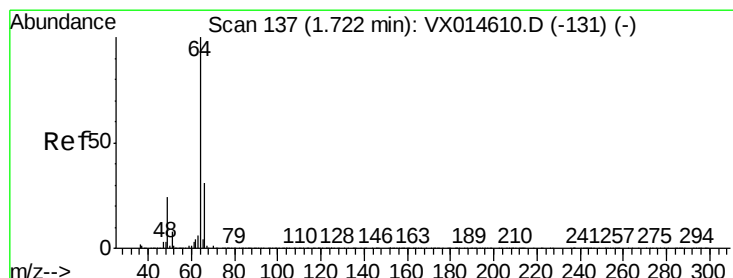
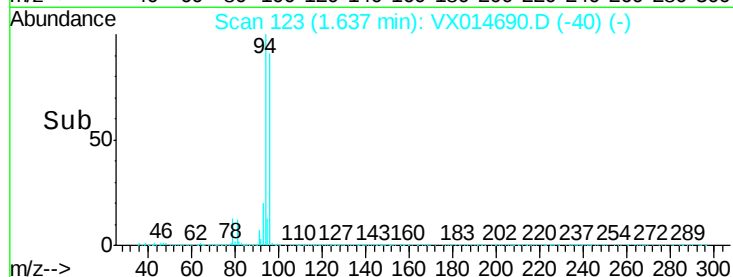
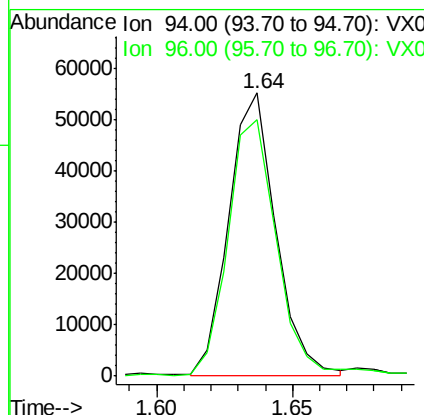
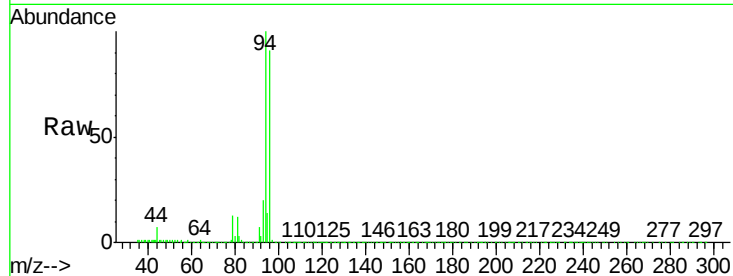
94 100

96 90.5 74.4 111.6

Manual Integrations
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1/27/2020 10:35:17 AM



#6

Chloroethane

Concen: 18.744 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014690.D

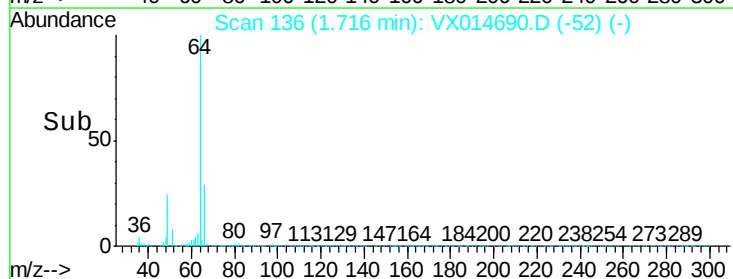
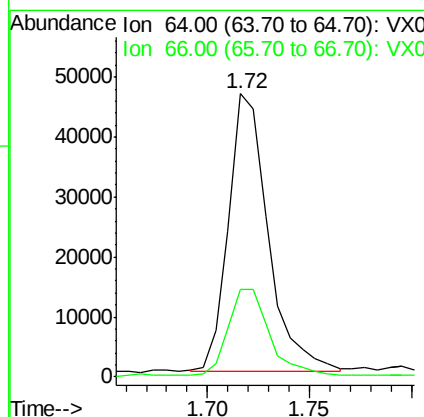
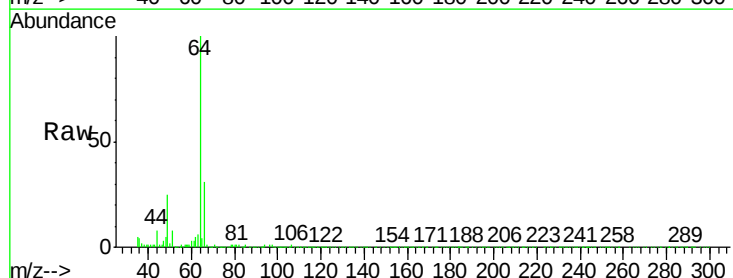
Acq: 24 Jan 2020 11:56

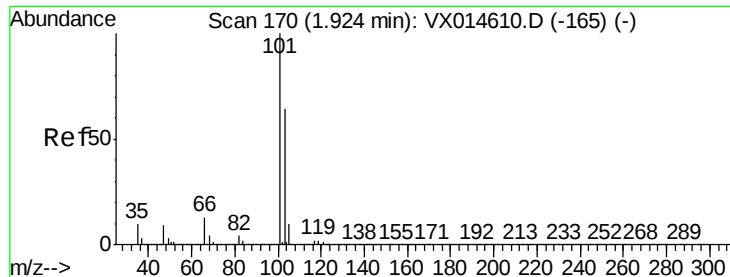
Tgt Ion: 64 Resp: 62087

Ion Ratio Lower Upper

64 100

66 30.9 25.2 37.8





#7

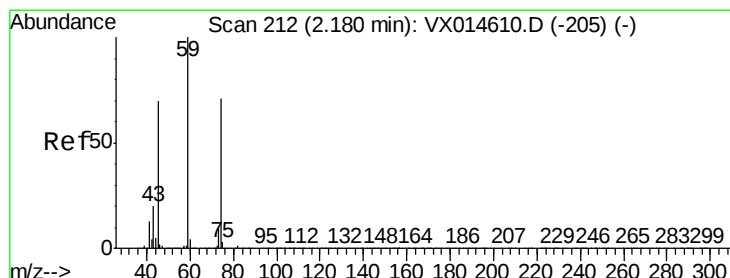
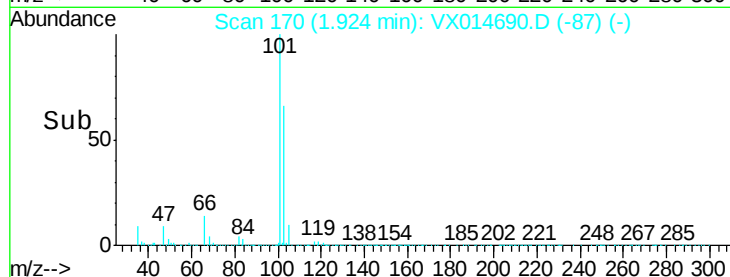
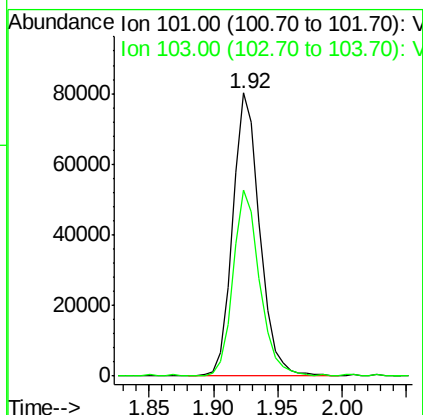
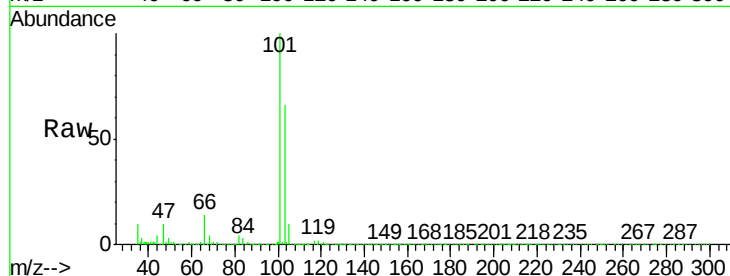
Trichlorofluoromethane
Concen: 17.976 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

Manual Integrations
APPROVED

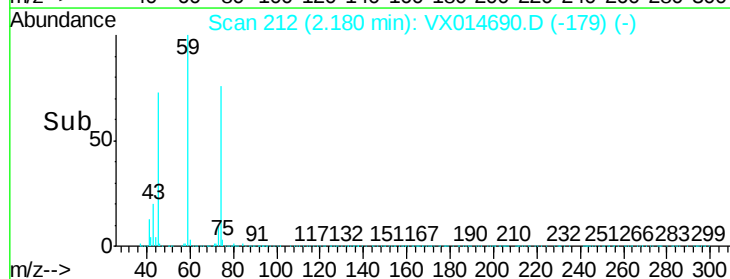
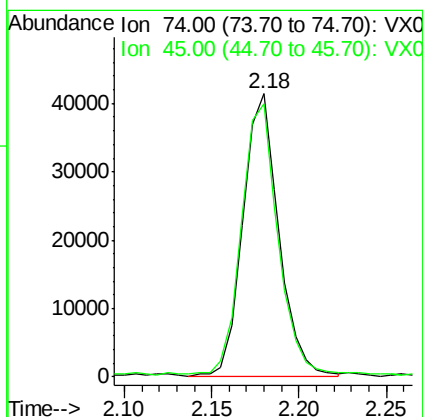
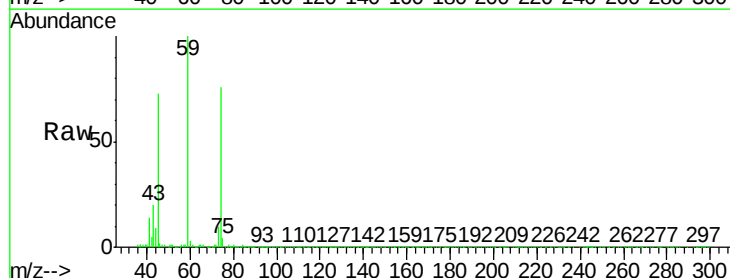
MMDadoda
1/27/2020 10:35:17 AM

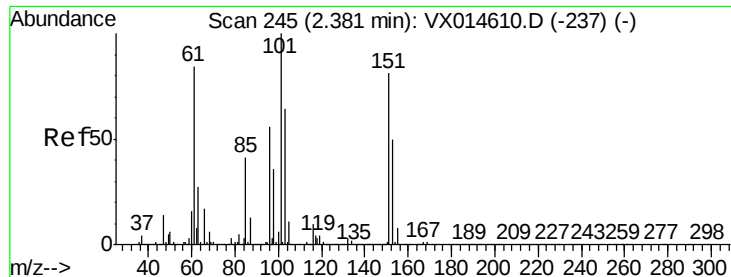


#8

Diethyl Ether
Concen: 20.578 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	20.6	185.0





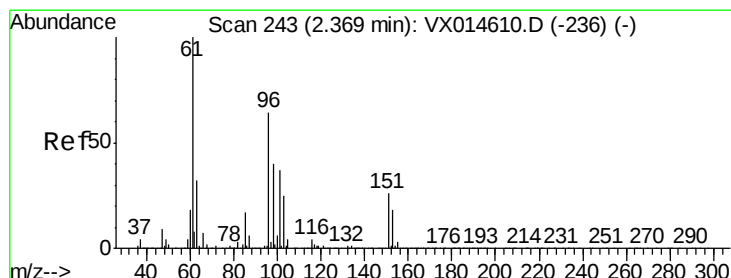
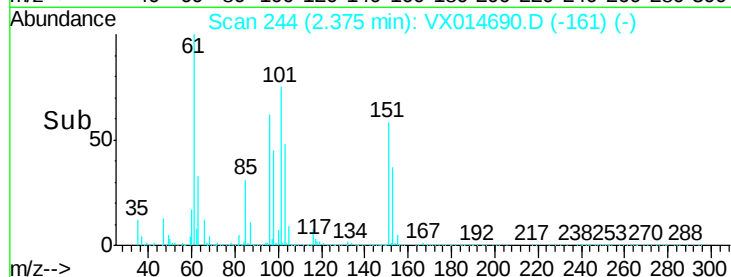
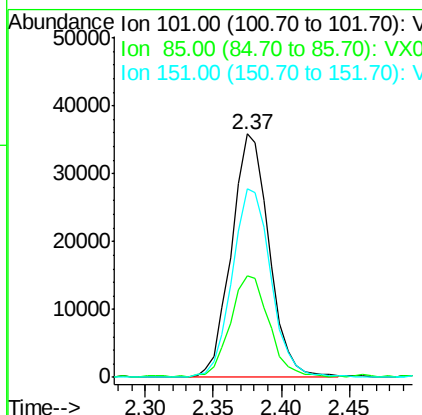
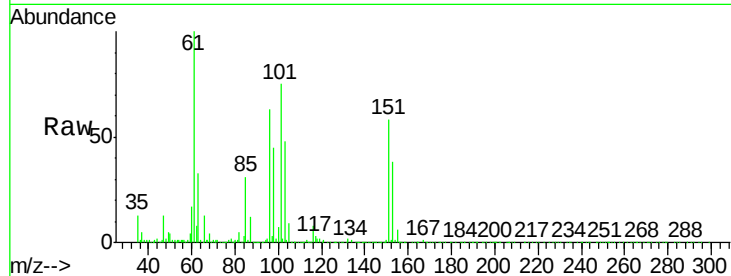
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.056 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
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VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	0.0	85.6
151	79.6	0.0	159.4

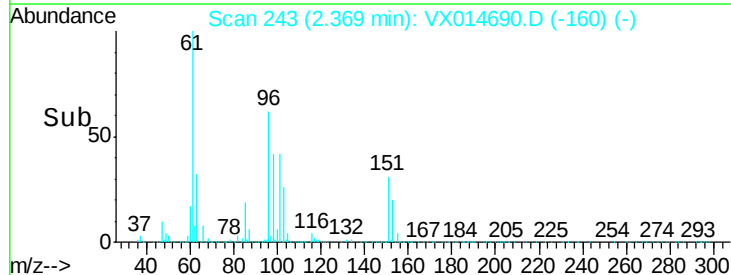
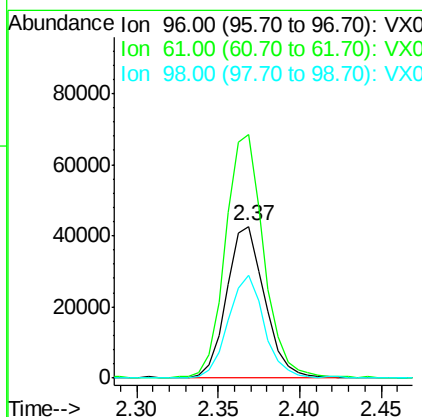
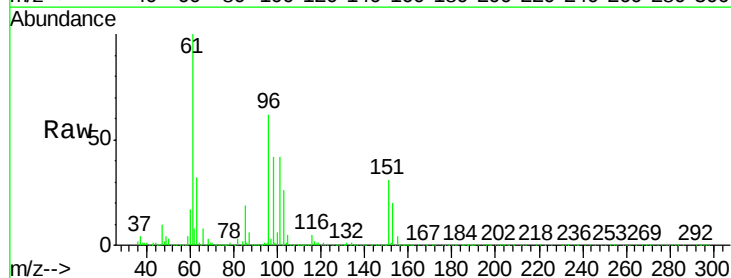
Manual Integrations
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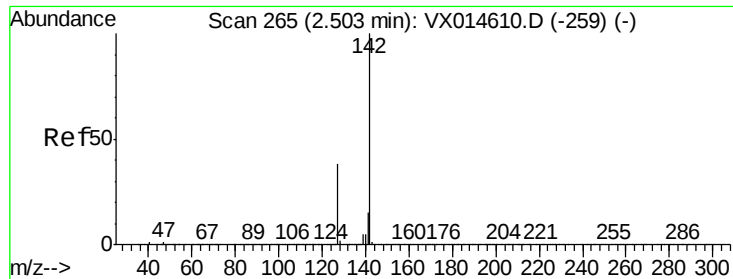
MMDadoda
1/27/2020 10:35:17 AM



#10
1,1-Dichloroethene
Concen: 17.876 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	123.0	184.6
98	67.9	51.4	77.0





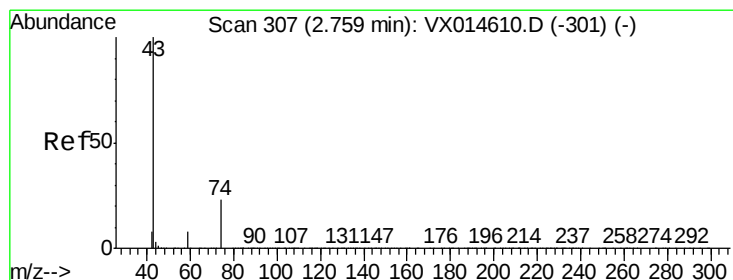
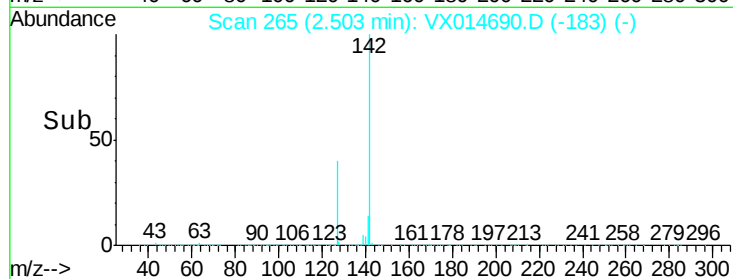
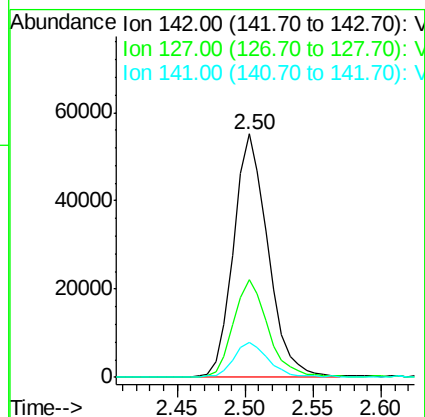
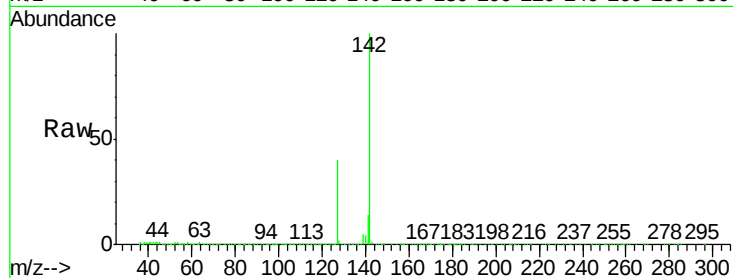
#11
Methvl Iodide
Concen: 18.871 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.6	19.5	58.5
141	14.4	7.0	20.9

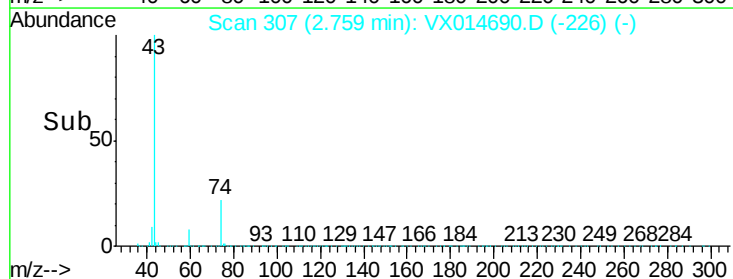
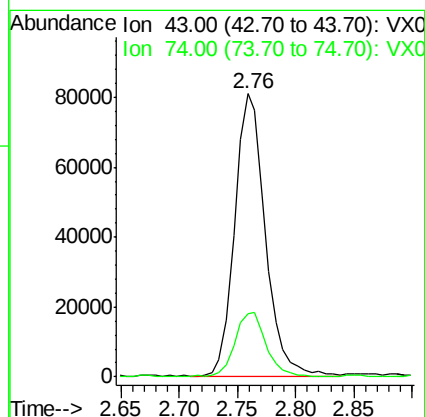
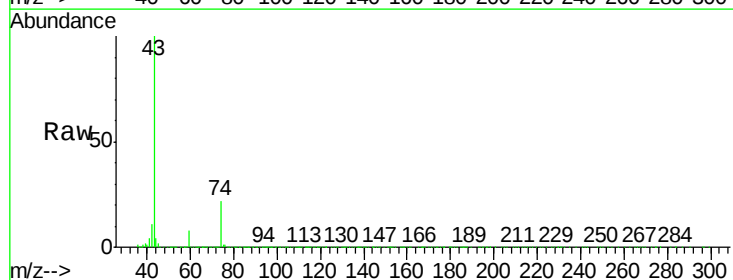
Manual Integrations
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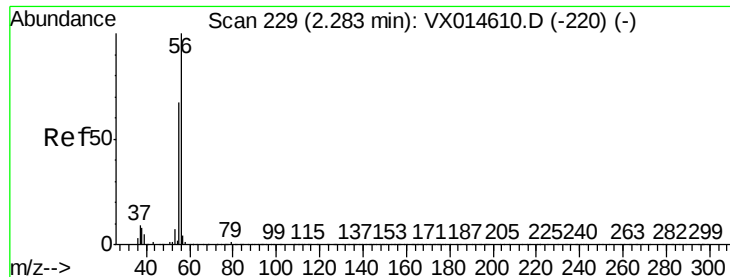
MMDadoda
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#12
Methyl Acetate
Concen: 21.275 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.5	27.7





#13

Acrolein

Concen: 120.136 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 87278

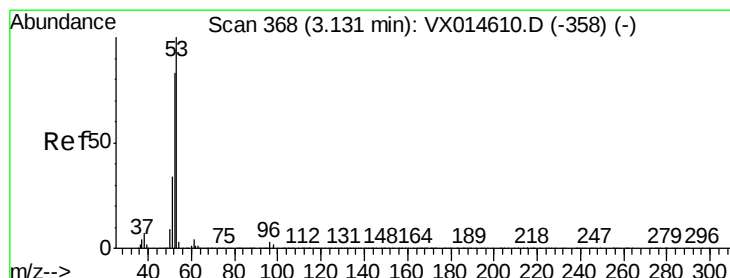
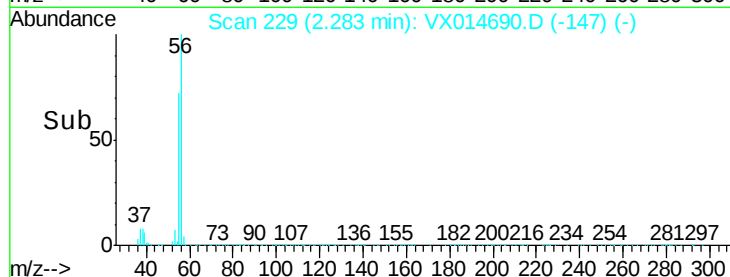
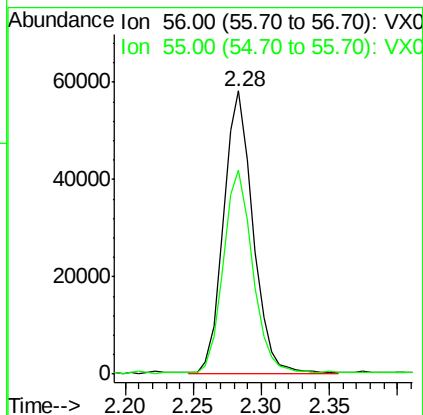
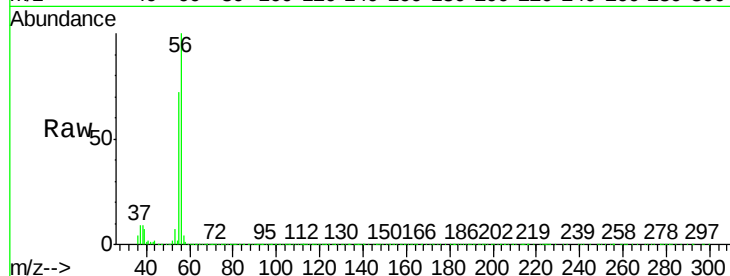
Ion Ratio Lower Upper

56 100

55 71.5 54.9 82.3

Manual Integrations
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#14

Acrylonitrile

Concen: 100.417 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

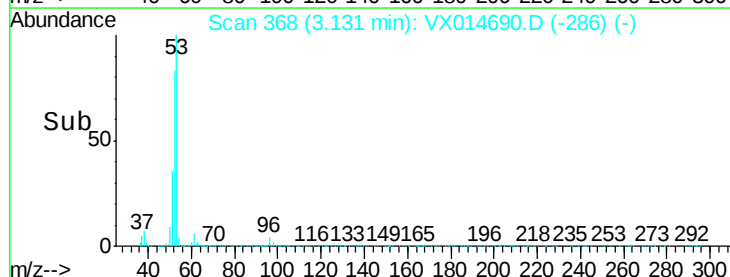
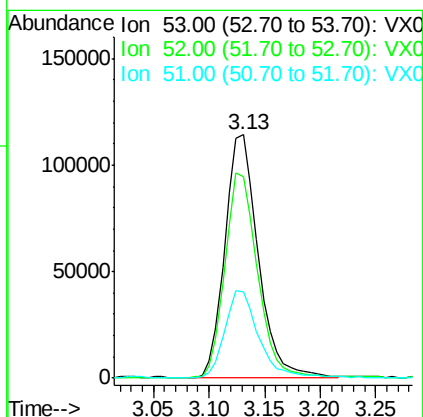
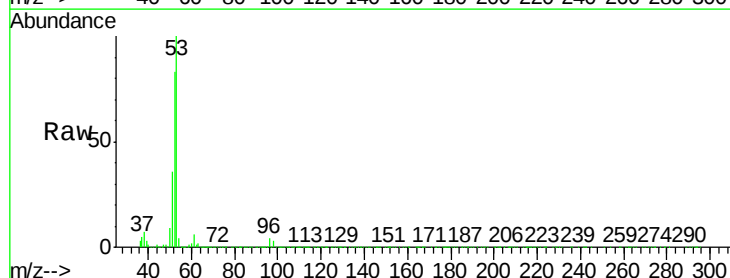
Tgt Ion: 53 Resp: 237649

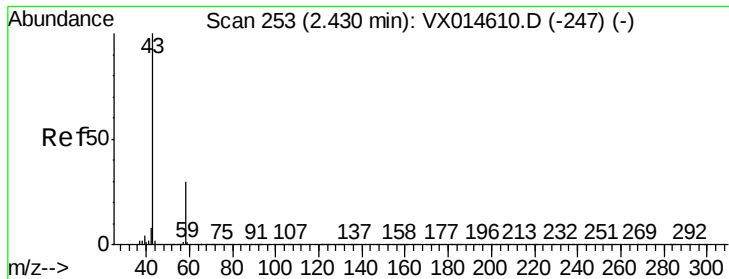
Ion Ratio Lower Upper

53 100

52 81.7 41.5 124.6

51 35.4 17.8 53.5





#15

Acetone

Concen: 103.389 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 82029

Ion Ratio Lower Upper

58 100

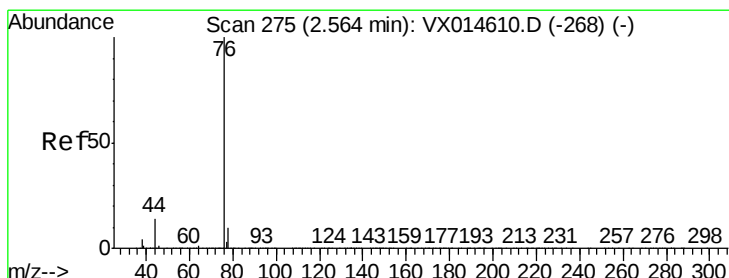
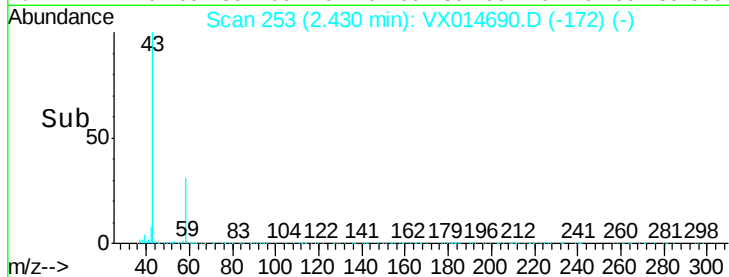
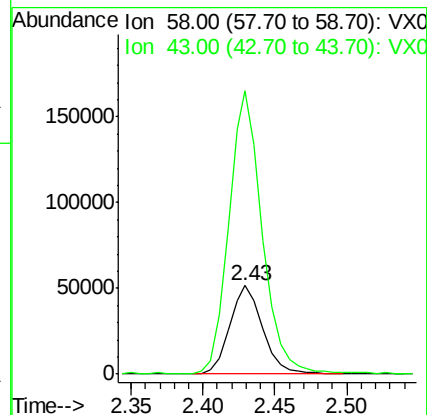
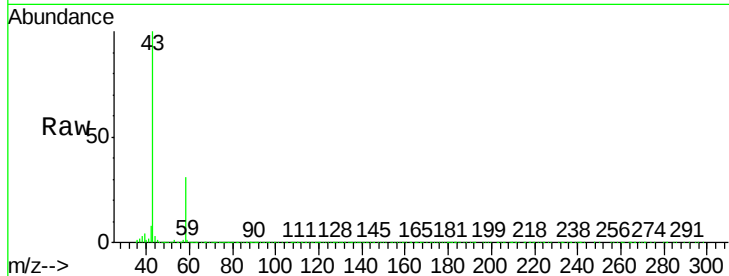
43 319.7 236.3 354.5

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.607 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014690.D

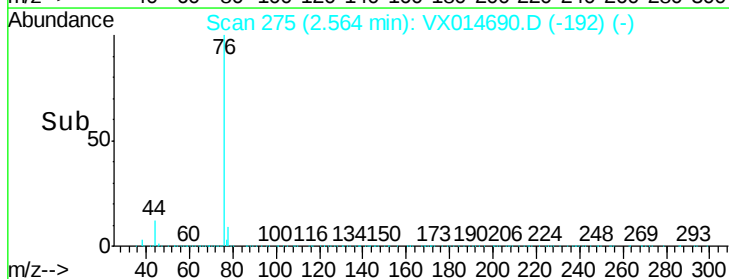
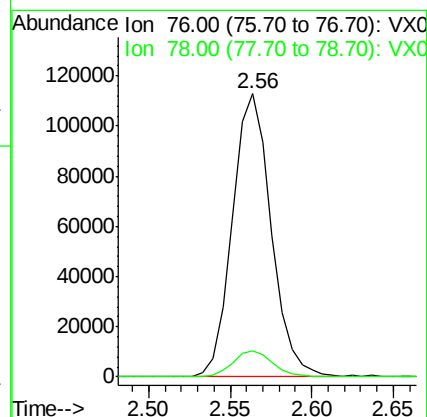
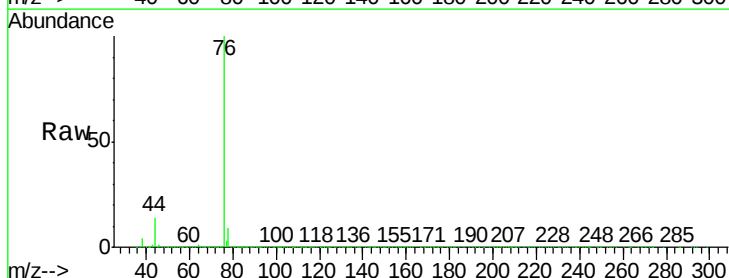
Acq: 24 Jan 2020 11:56

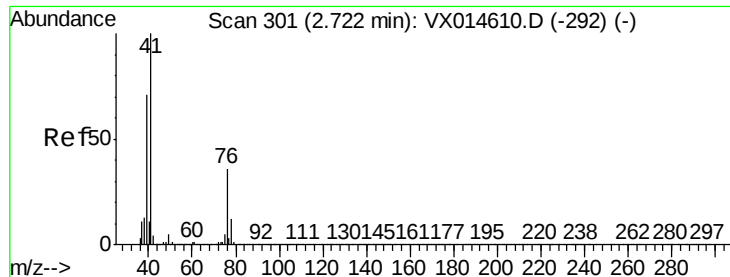
Tgt Ion: 76 Resp: 185139

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.8





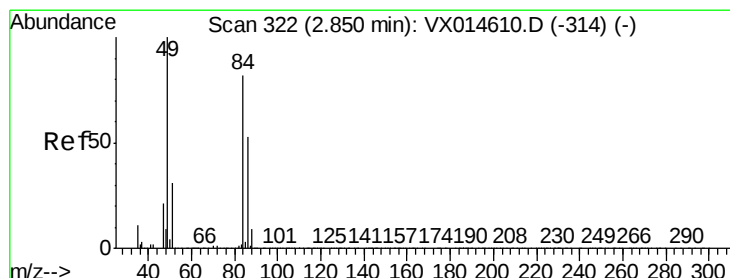
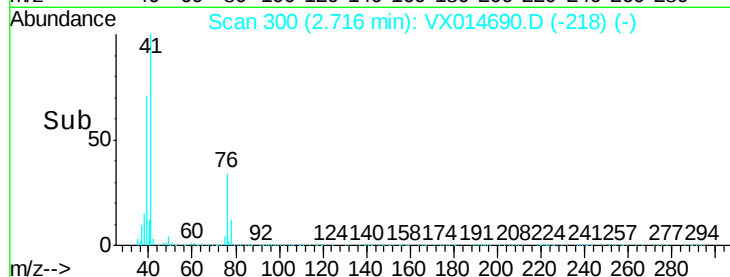
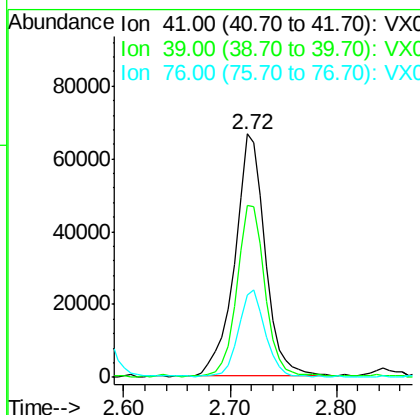
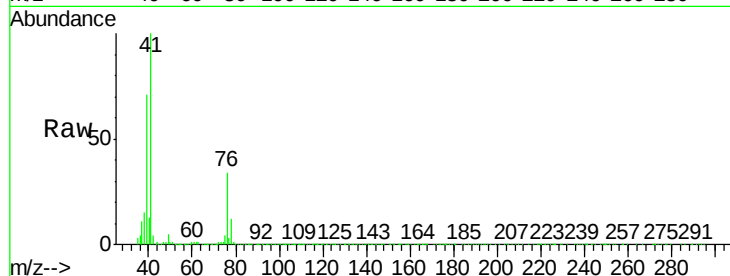
#17
Allvl chloride
Concen: 18.739 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	132783
Ion	Ratio	Lower	Upper
41	100		
39	70.8	33.4	100.2
76	33.3	17.0	50.9

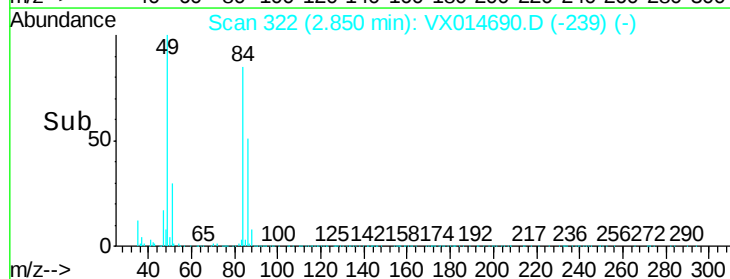
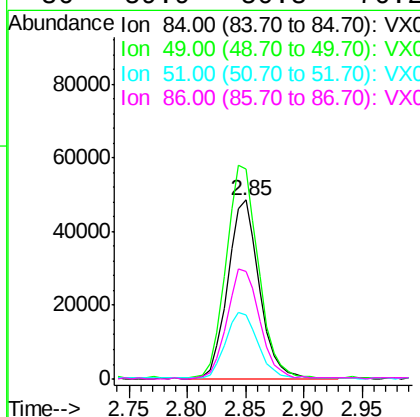
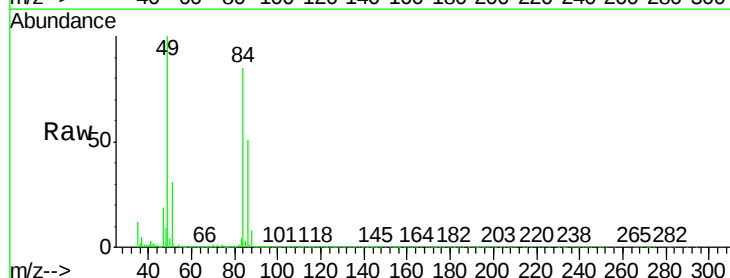
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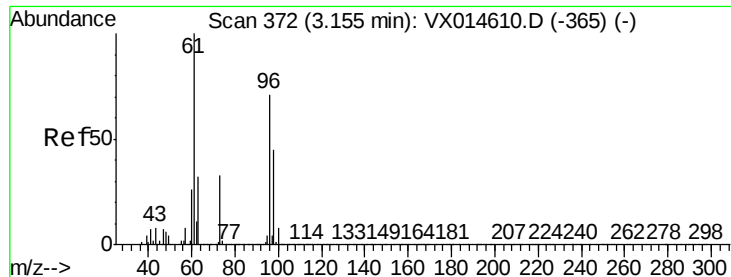
MMDadoda
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#18
Methylene Chloride
Concen: 20.596 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion:	84	Resp:	92291
Ion	Ratio	Lower	Upper
84	100		
49	116.7	102.2	153.2
51	35.4	31.4	47.0
86	59.9	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 18.706 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

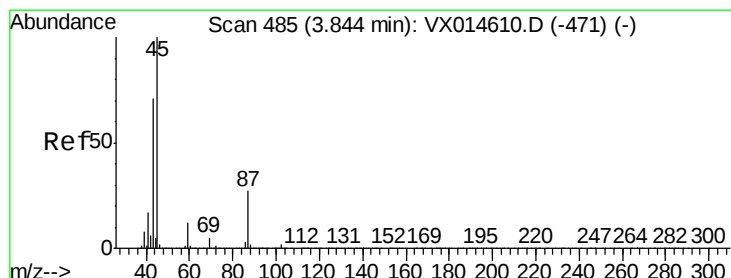
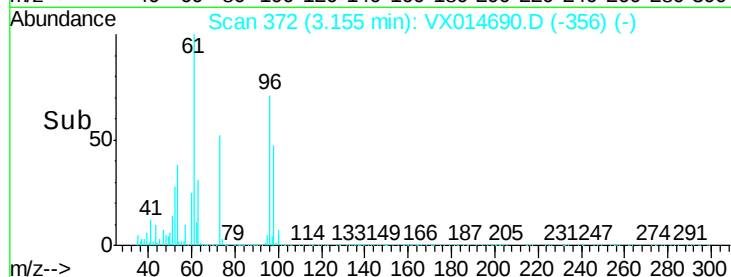
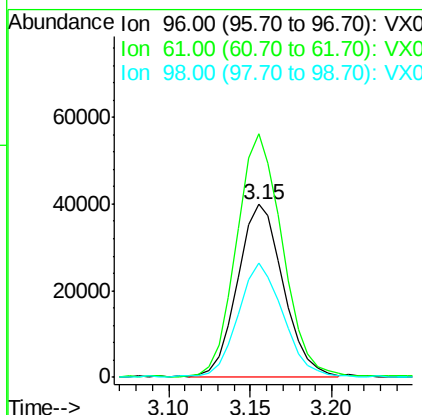
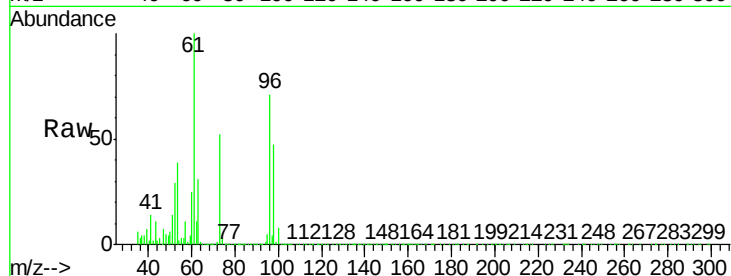
ClientSampleId :

VSTDCCC020

Tot Ion:	96	Resp:	77098
Ion	Ratio	Lower	Upper
96	100		
61	141.0	106.6	159.8
98	66.1	51.6	77.4

Manual Integrations
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#20

Diisopropyl ether

Concen: 20.714 ug/l

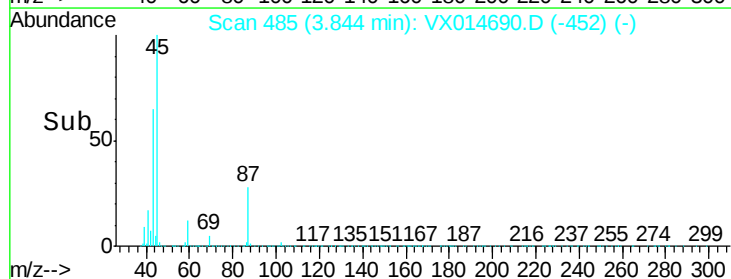
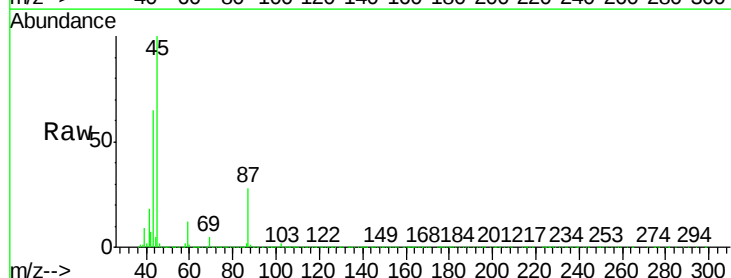
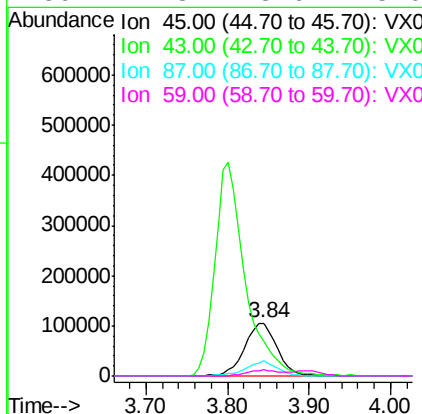
RT: 3.84 min Scan# 485

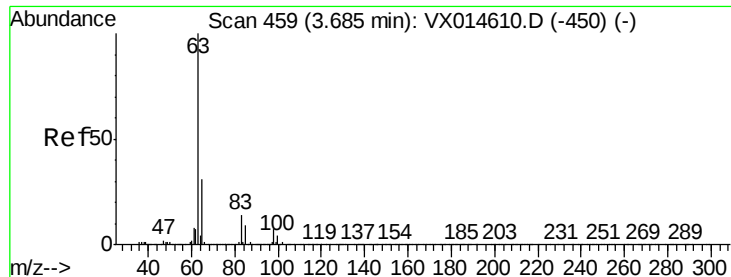
Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Tgt Ion:	45	Resp:	290397
Ion	Ratio	Lower	Upper
45	100		
43	64.3	55.9	83.9
87	28.1	22.2	33.2
59	11.3	8.6	13.0





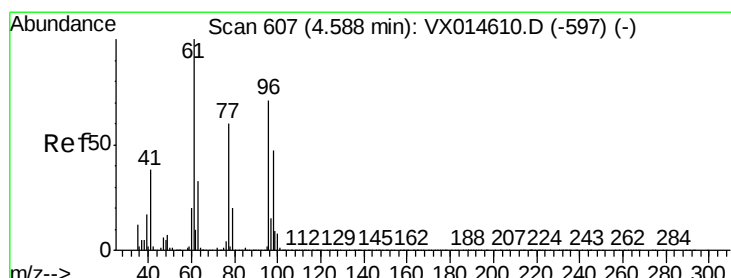
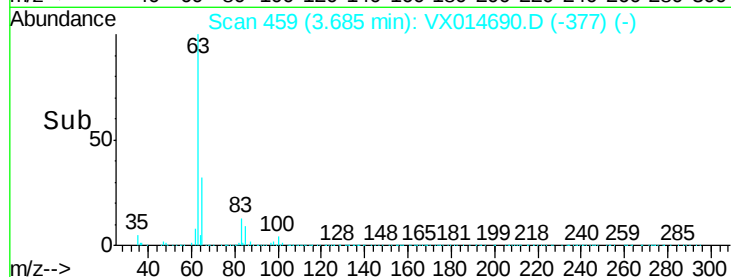
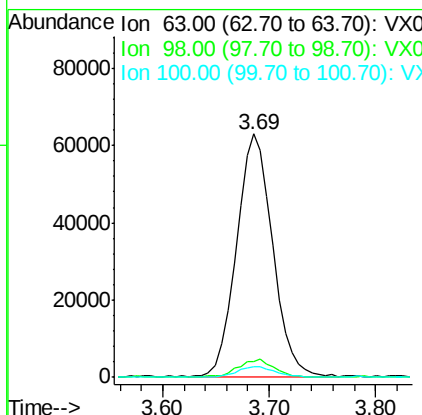
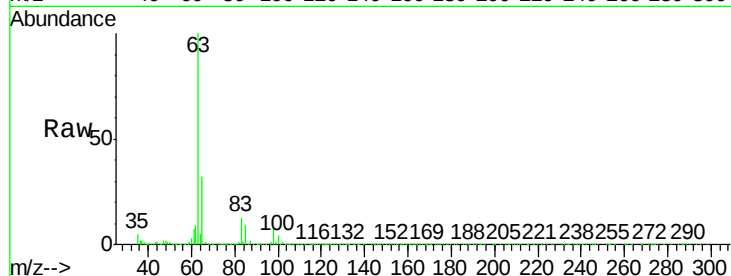
#21
1,1-Dichloroethane
Concen: 19.519 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.4	10.1
100	4.1	2.5	7.4

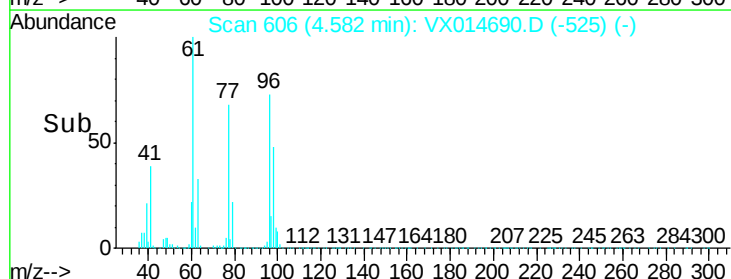
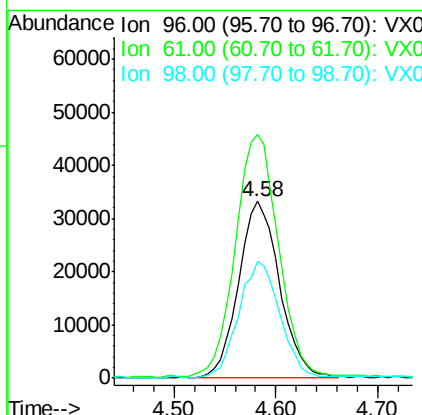
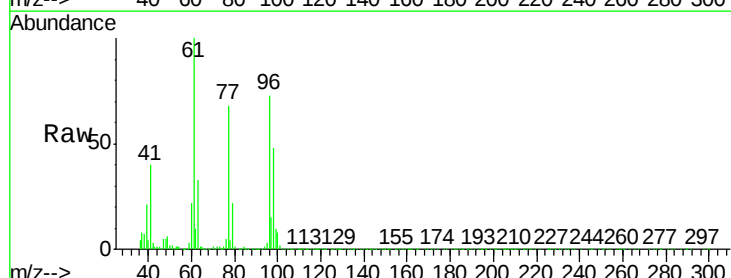
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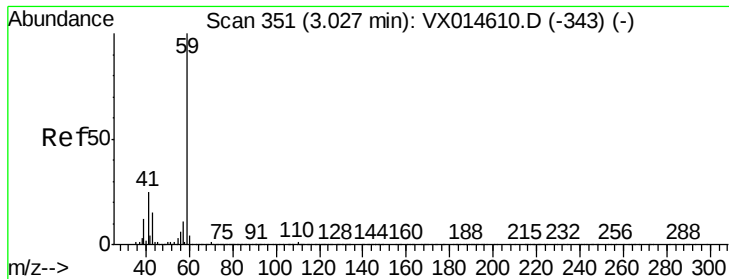
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#22
cis-1,2-Dichloroethene
Concen: 19.670 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.5	112.4	168.6
98	65.1	50.3	75.5





#23

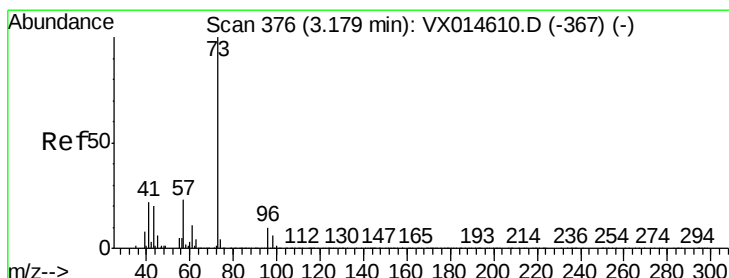
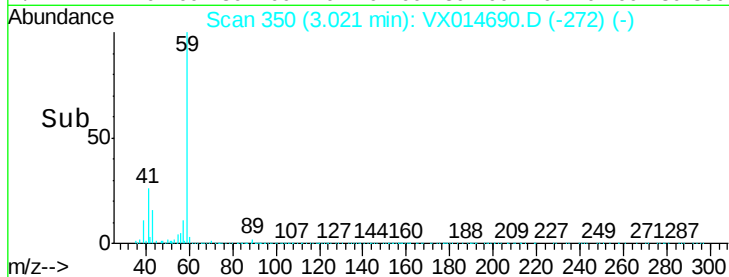
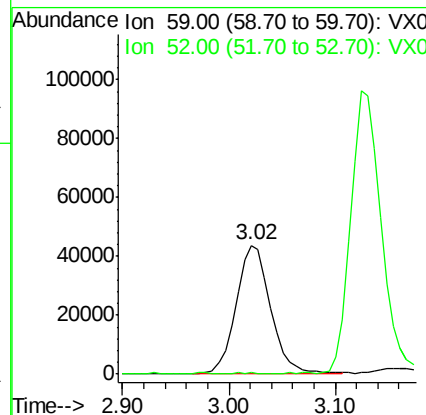
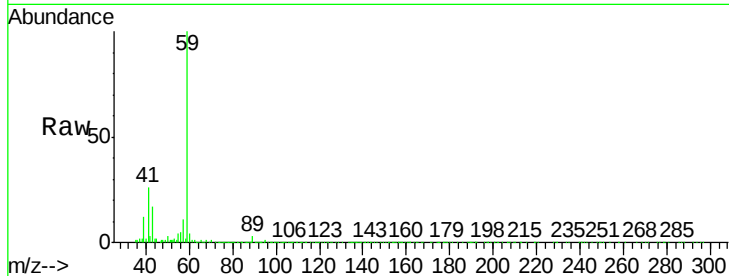
tert-Butyl Alcohol
 Concen: 100.373 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

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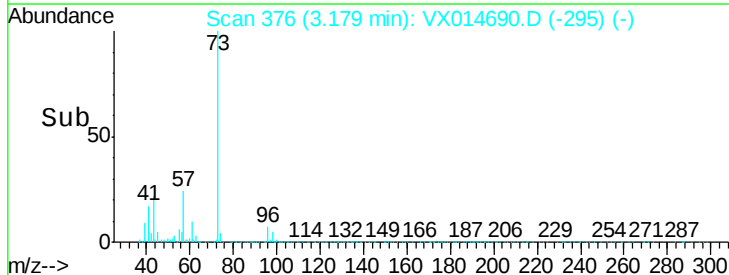
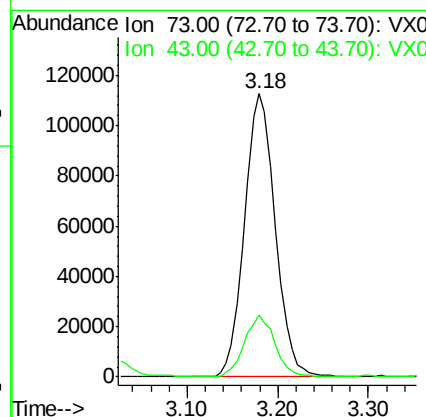
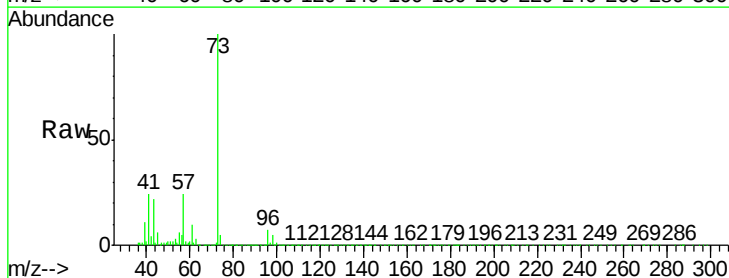
MMDadoda
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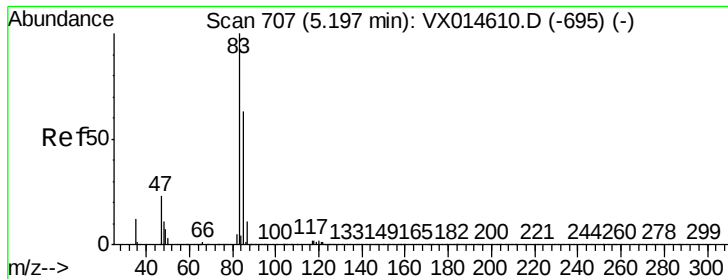


#24

Methyl tert-Butyl Ether
 Concen: 20.665 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.6	25.0





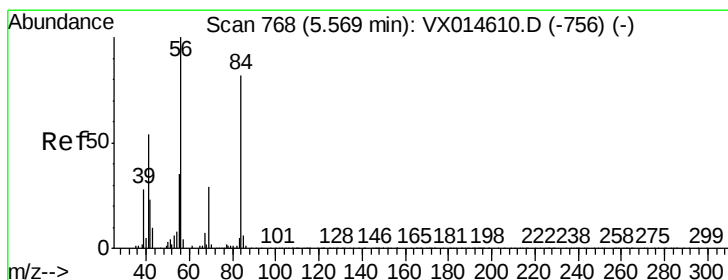
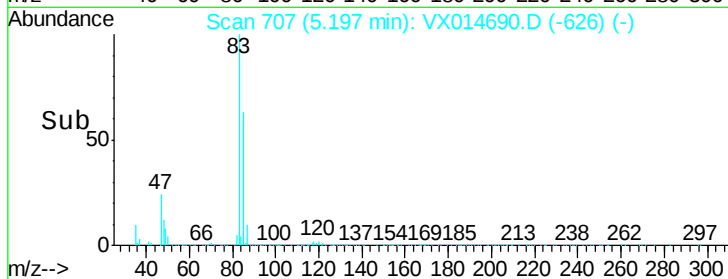
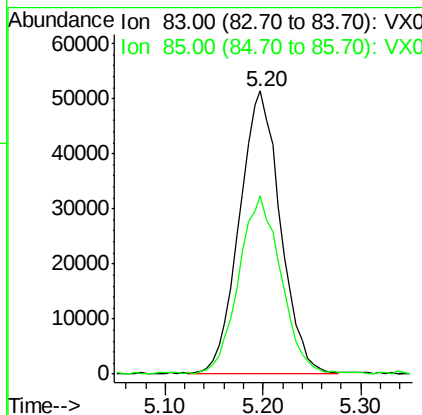
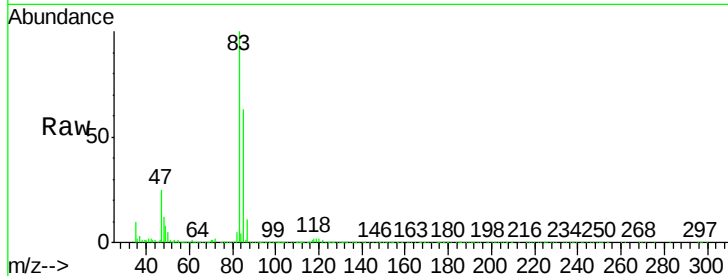
#25
Chloroform
Concen: 20.294 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.7	79.1

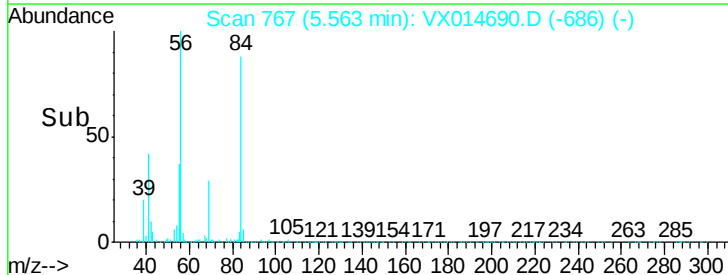
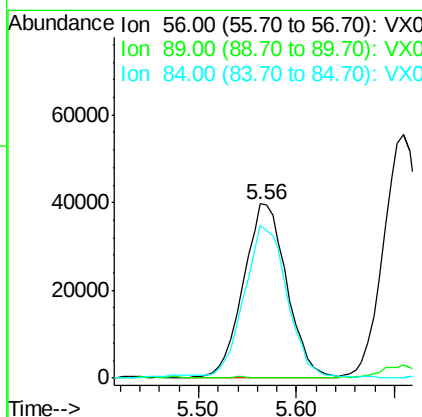
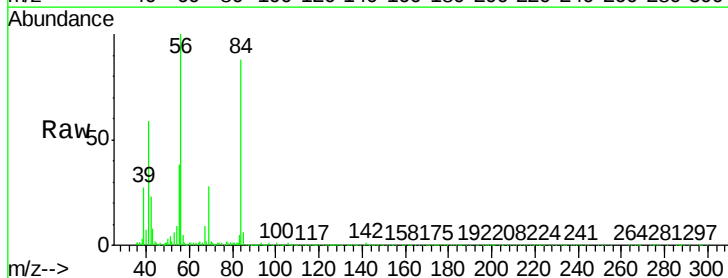
Manual Integrations
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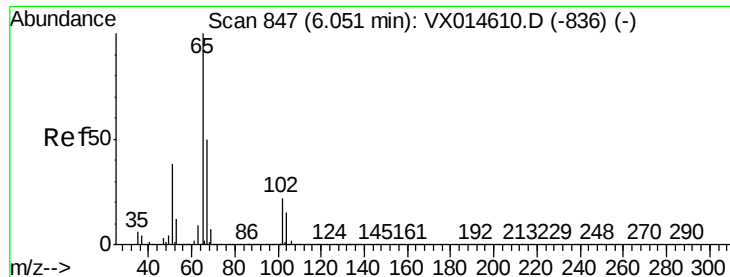
MMDadoda
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#26
Cyclohexane
Concen: 17.353 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.1	0.1#
84	86.3	70.8	106.2





#27

1,2-Dichloroethane-d4

Concen: 30.808 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 149769

Ion Ratio Lower Upper

65 100

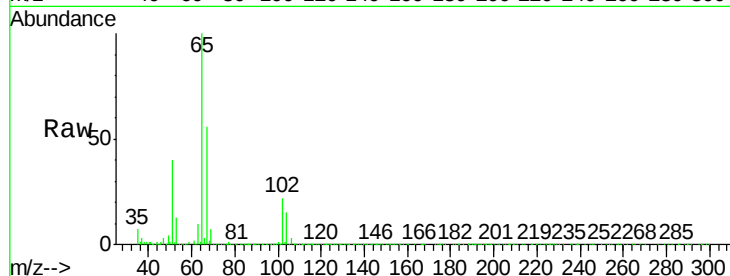
67 53.8 43.1 64.7

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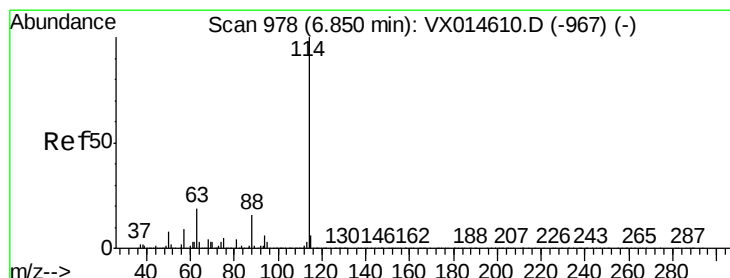
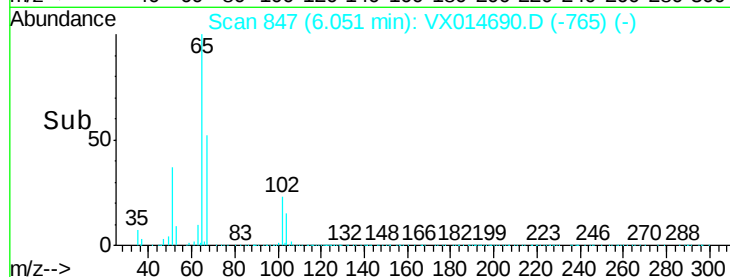
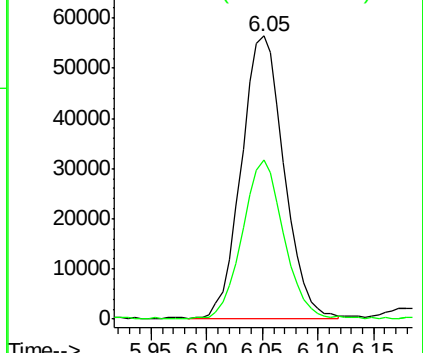
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

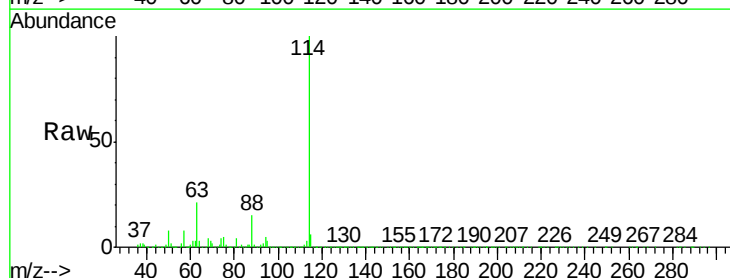
Tgt Ion: 114 Resp: 368202

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

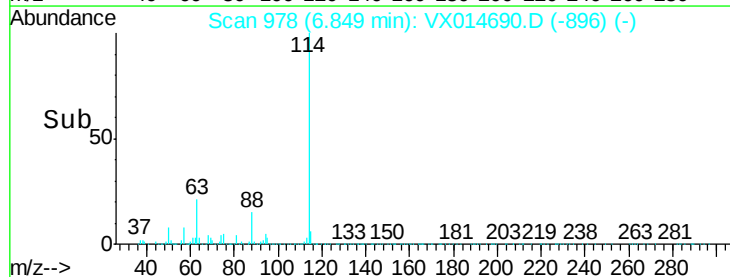
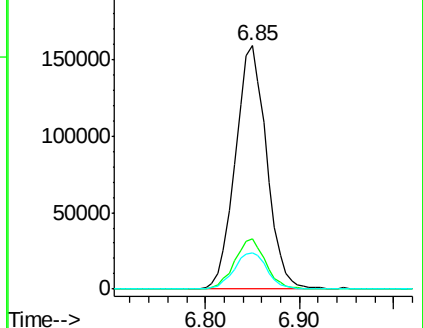
88 15.4 12.5 18.7

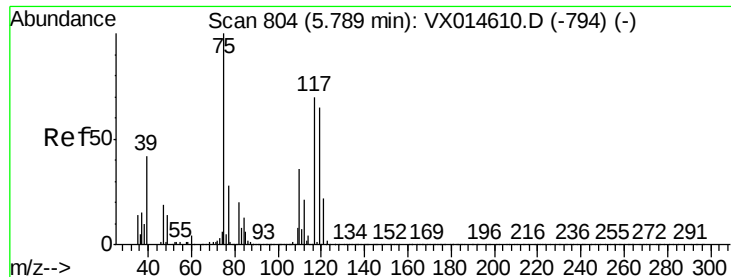


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





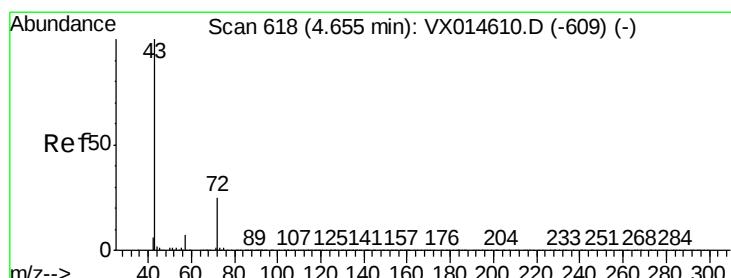
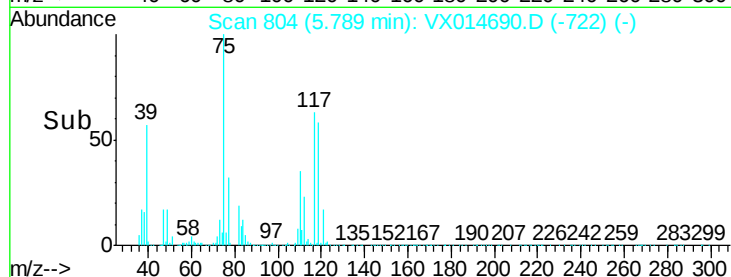
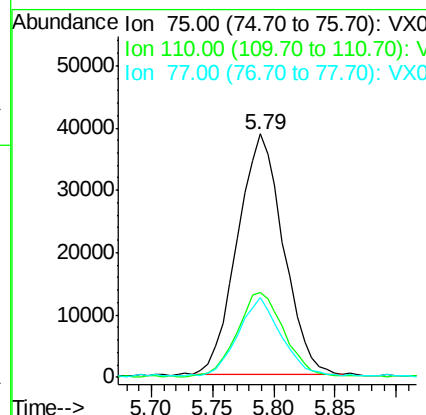
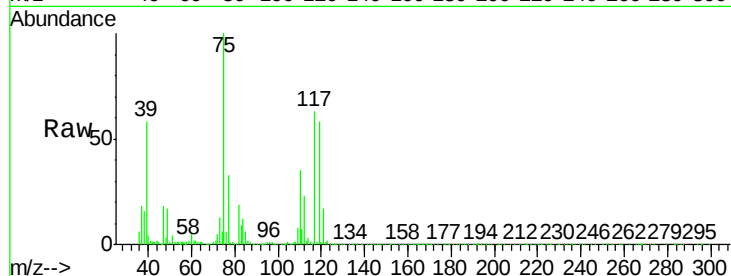
#29
1,1-Dichloropropene
Concen: 18.668 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	0.0	73.8
77	31.3	0.0	62.4

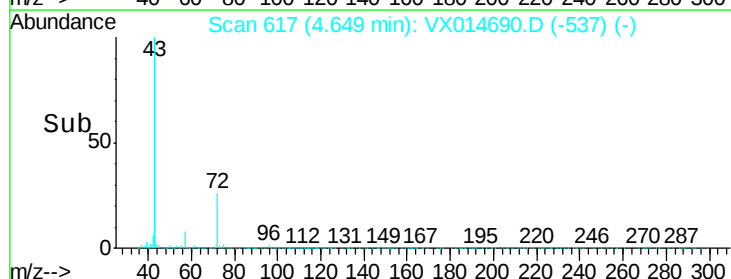
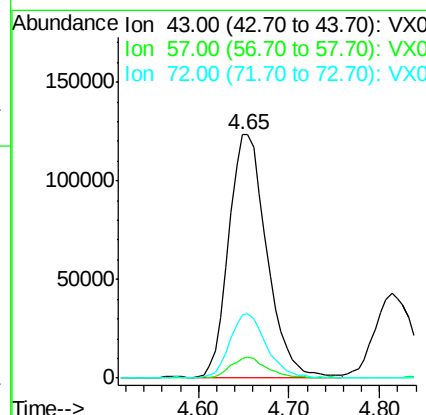
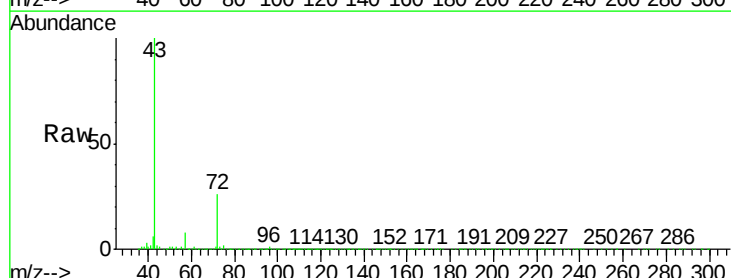
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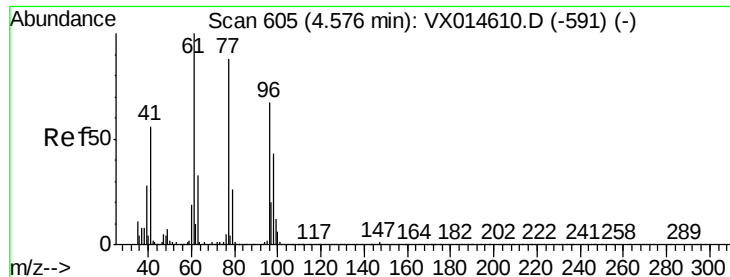
MMDadoda
1/27/2020 10:35:17 AM



#30
2-Butanone
Concen: 104.771 ug/l
RT: 4.65 min Scan# 617
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.2	9.2
72	24.8	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.283 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 111416

Ion Ratio Lower Upper

77 100

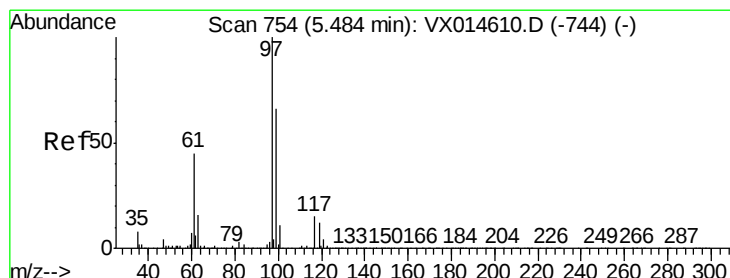
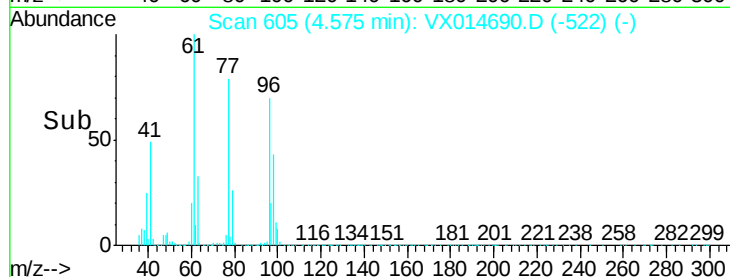
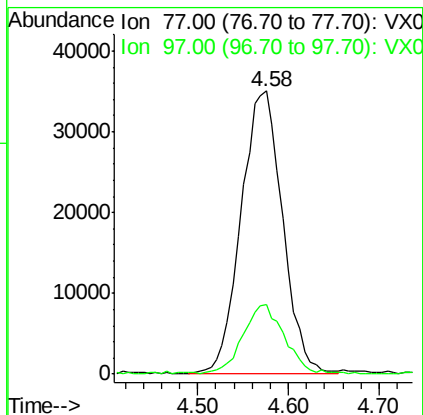
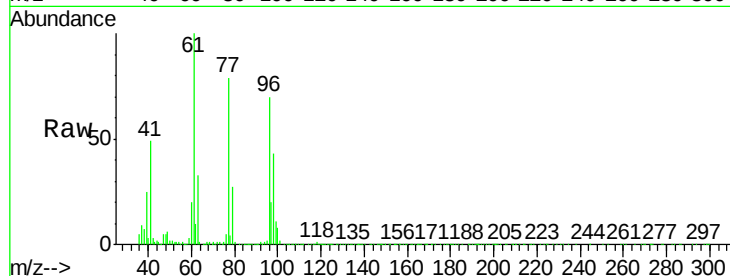
97 23.4 19.7 29.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.155 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

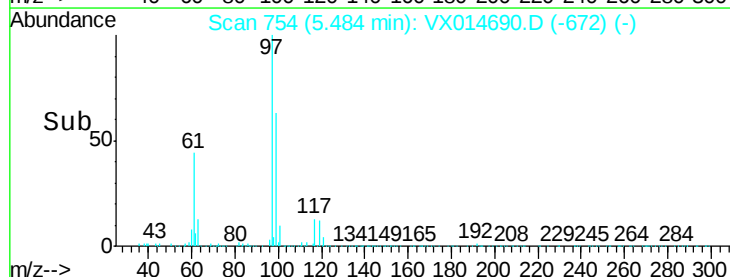
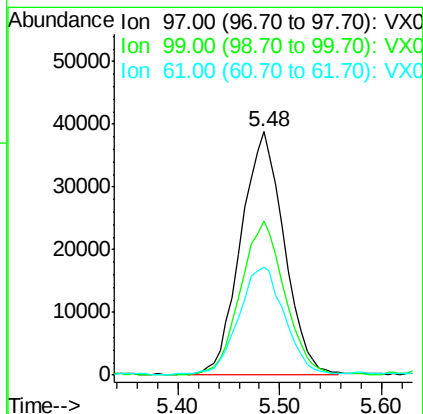
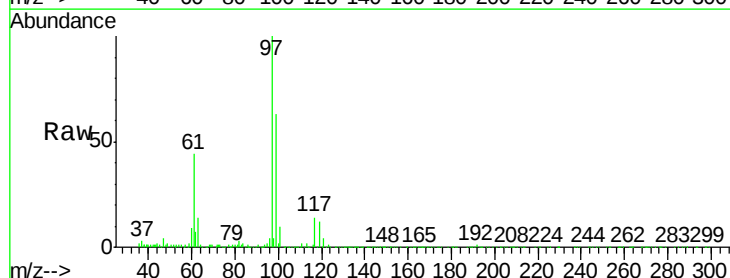
Tgt Ion: 97 Resp: 114437

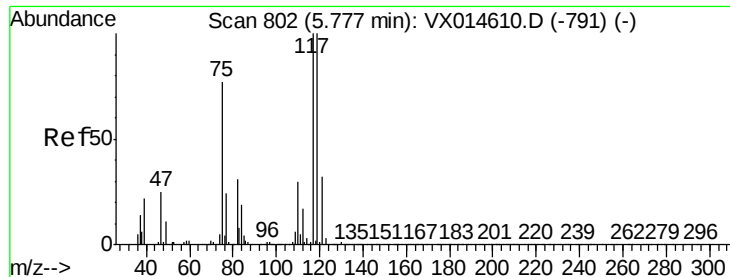
Ion Ratio Lower Upper

97 100

99 64.2 51.9 77.9

61 47.0 36.8 55.2





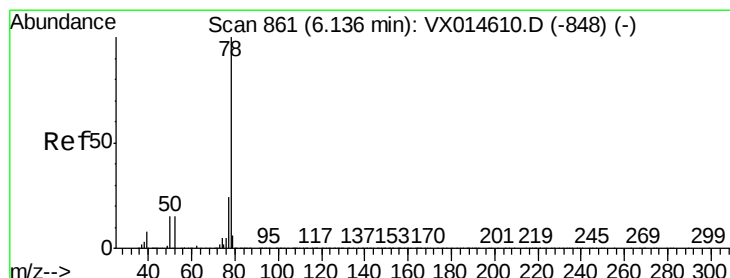
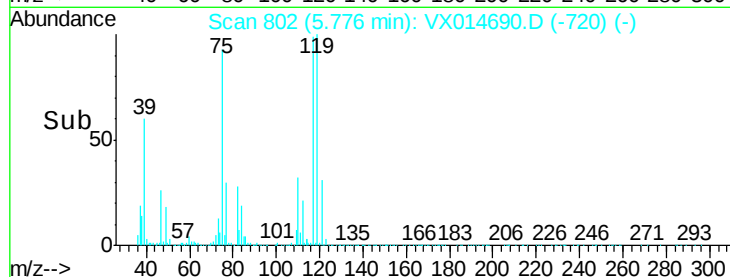
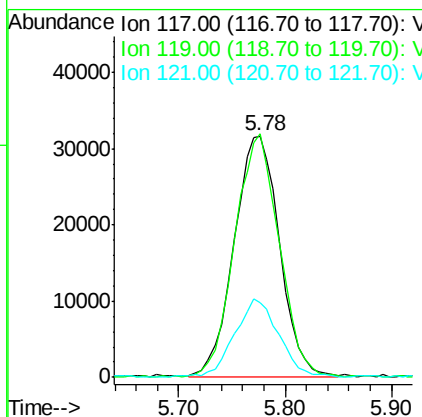
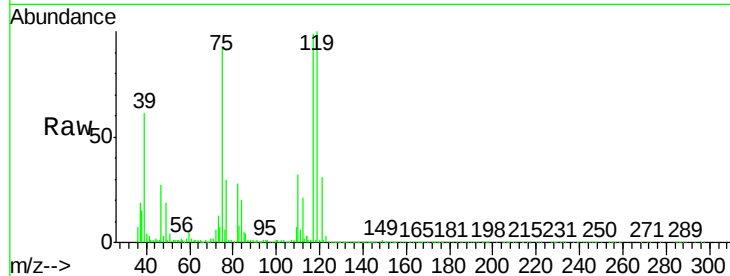
#33
Carbon Tetrachloride
Concen: 18.307 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.5	77.2	115.8
121	30.7	24.8	37.2

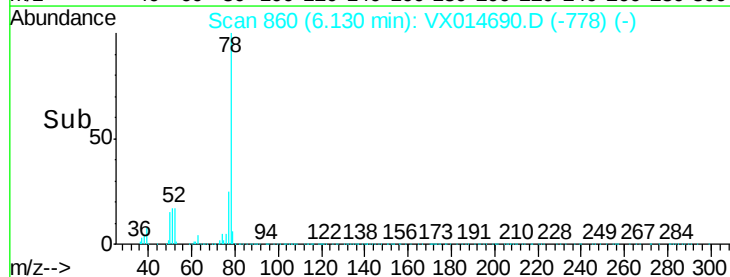
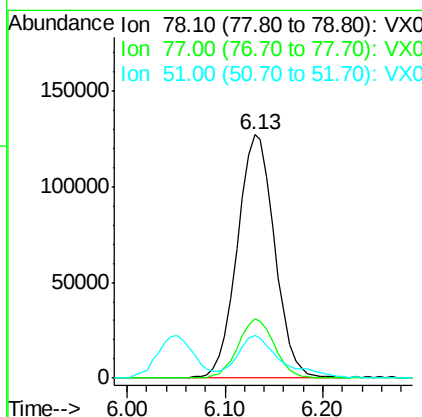
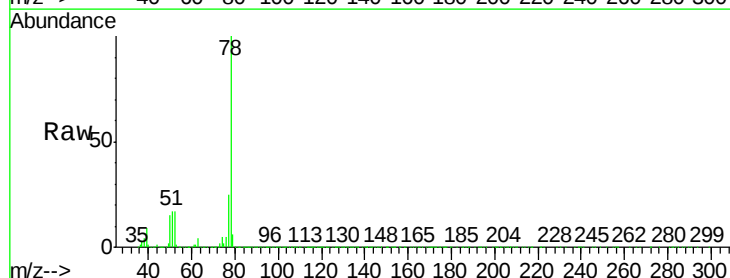
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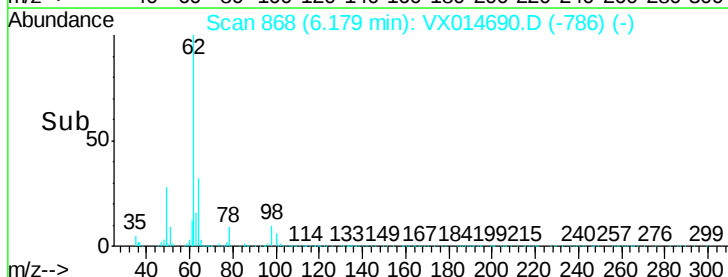
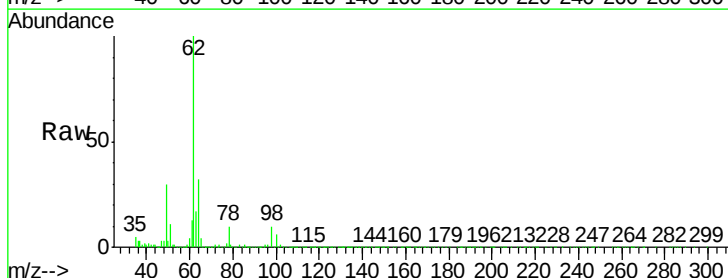
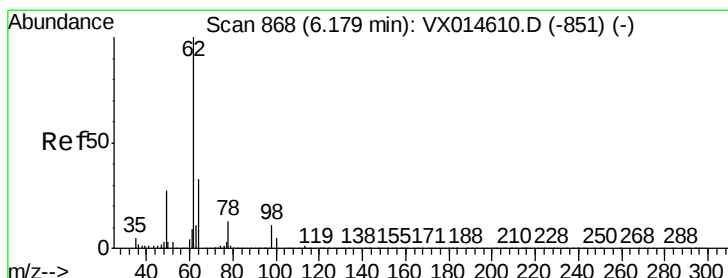
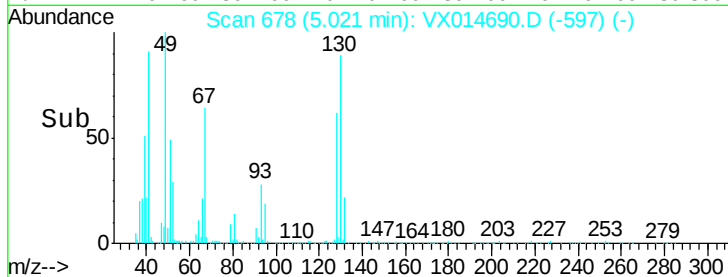
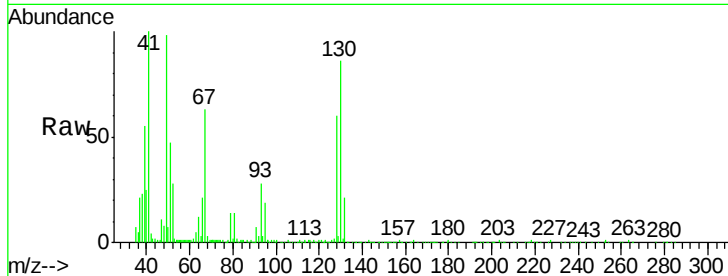
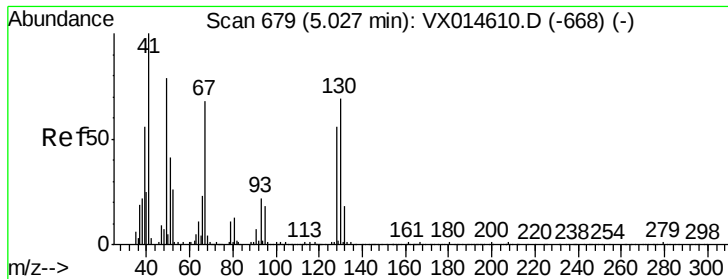
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#34
Benzene
Concen: 20.115 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

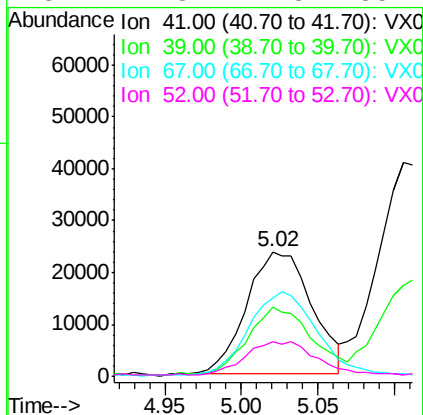
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.2	27.2
51	16.8	12.4	18.6





#35
Methacrylonitrile
Concen: 20.293 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	26.7	80.1	
67	63.0	31.5	94.5	
52	27.3	12.8	38.4	



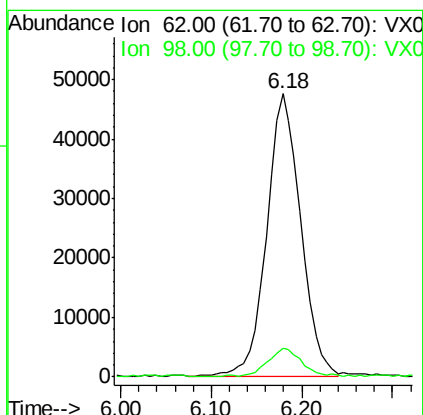
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

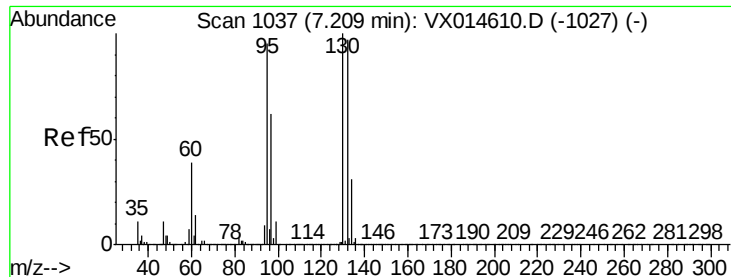
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#36
1,2-Dichloroethane
Concen: 21.329 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	8.4	12.6	





#37

Trichloroethene

Concen: 19.613 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 89607

Ion Ratio Lower Upper

130 100

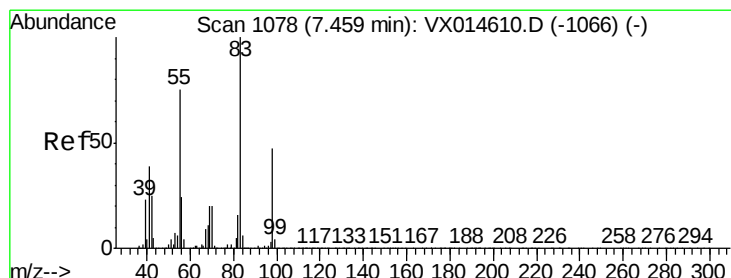
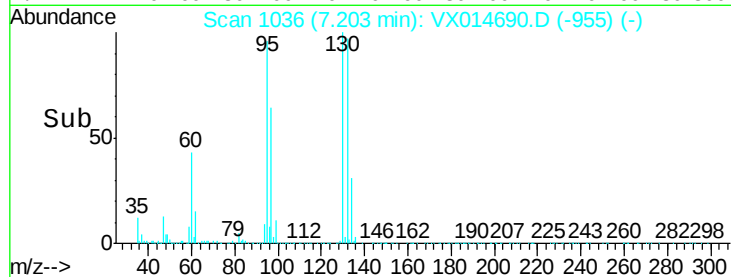
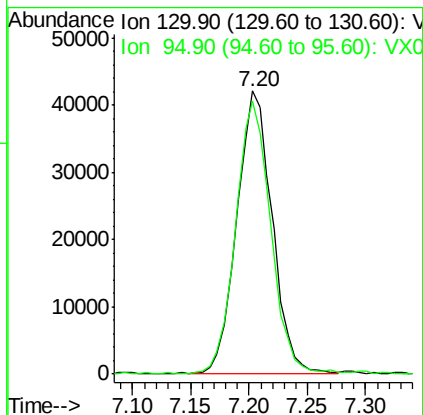
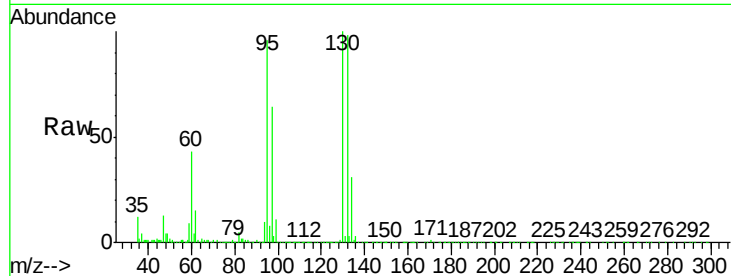
95 95.9 71.7 107.5

Manual Integrations

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#38

Methylcyclohexane

Concen: 17.870 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

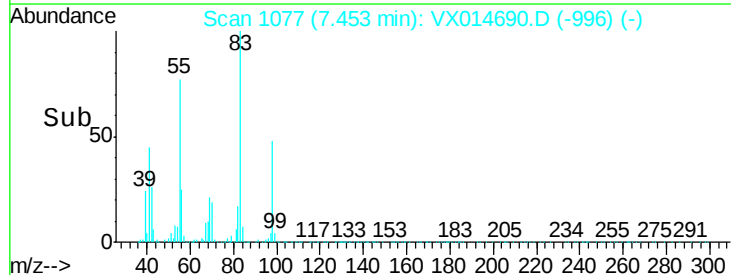
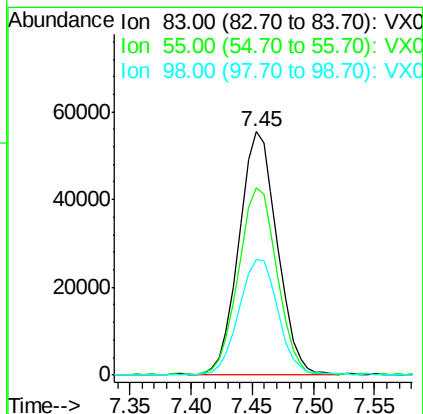
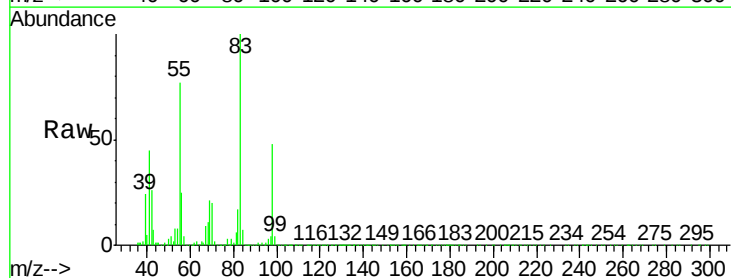
Tgt Ion: 83 Resp: 120146

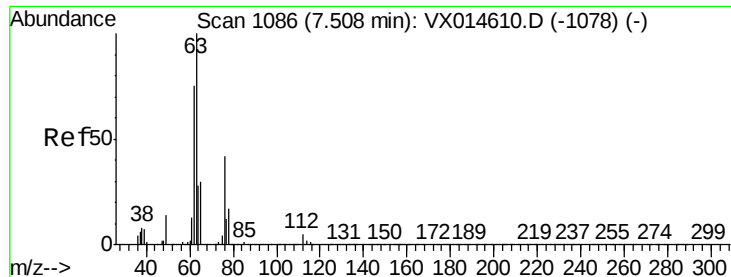
Ion Ratio Lower Upper

83 100

55 77.2 39.4 118.1

98 48.5 25.1 75.3





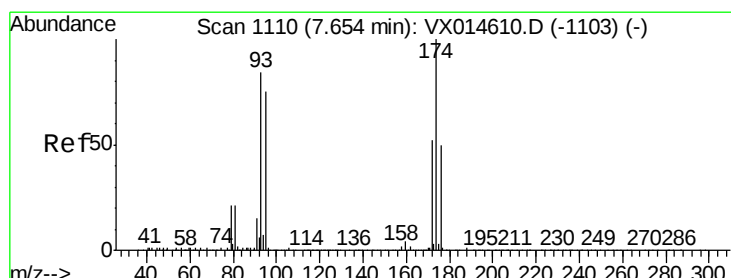
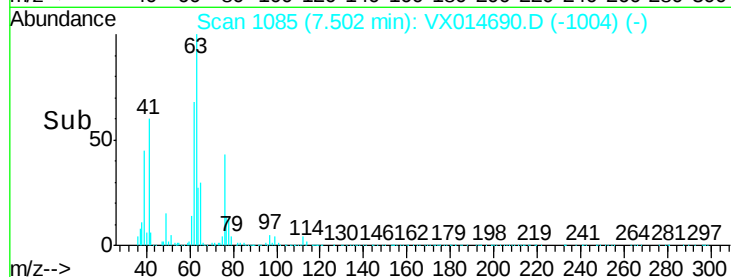
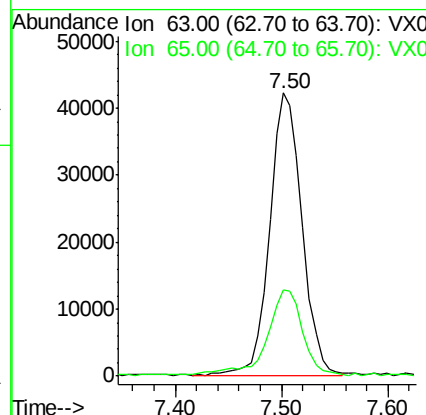
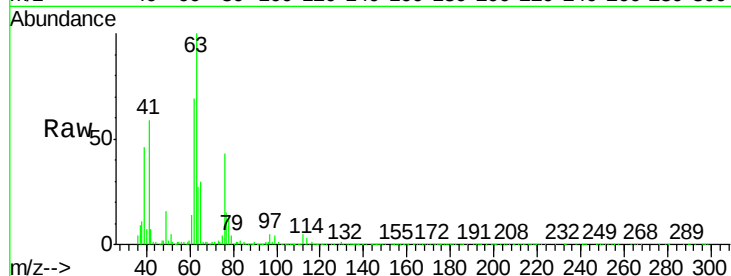
#39
 1,2-Dichloropropane
 Concen: 20.459 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.1	33.1

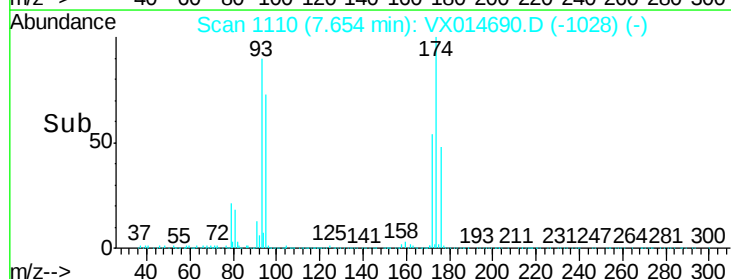
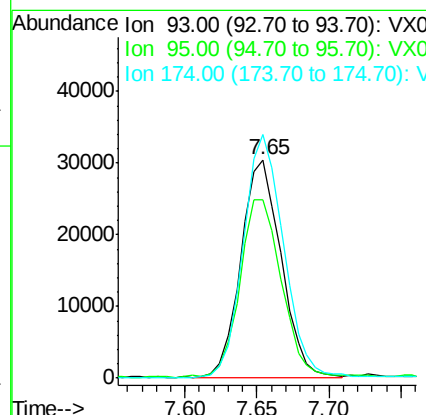
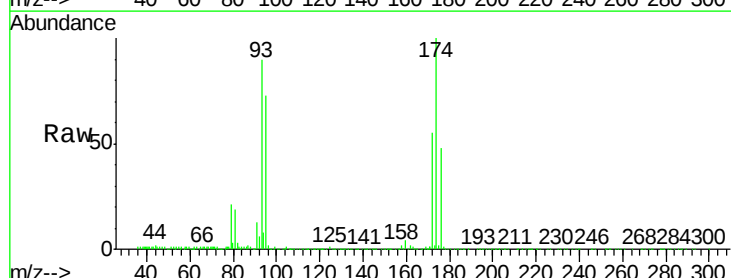
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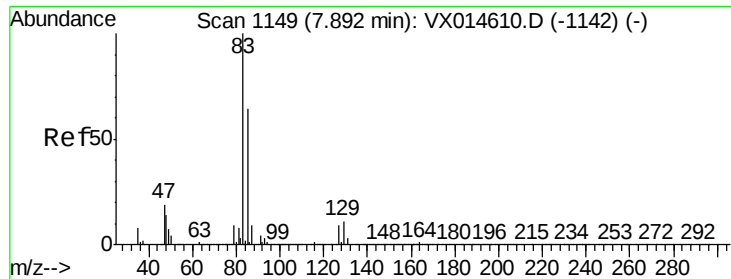
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#40
 Dibromomethane
 Concen: 21.017 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	164.4
174	113.2	0.0	228.8





#41

Bromodichloromethane

Concen: 20.532 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

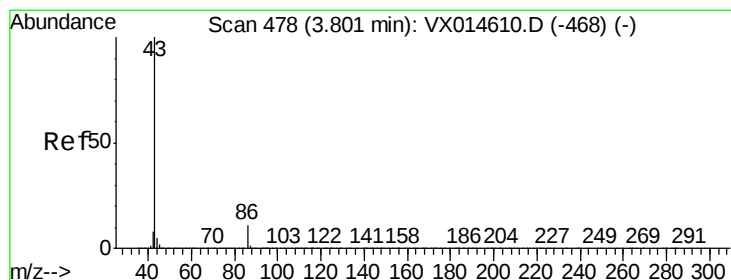
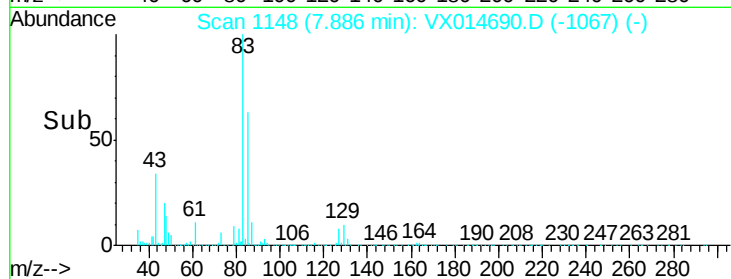
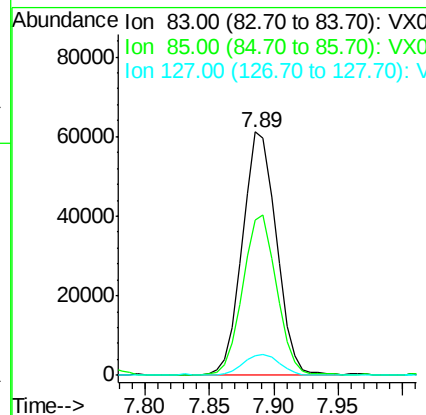
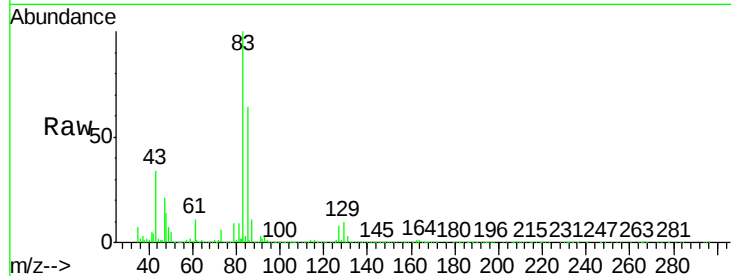
ClientSampleId :

VSTDCCC020

Tot Ion	83	Resp	112124
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.6	77.4
127	8.0	6.0	9.0

Manual Integrations
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1/27/2020 10:35:17 AM



#42

Vinyl Acetate

Concen: 104.790 ug/l

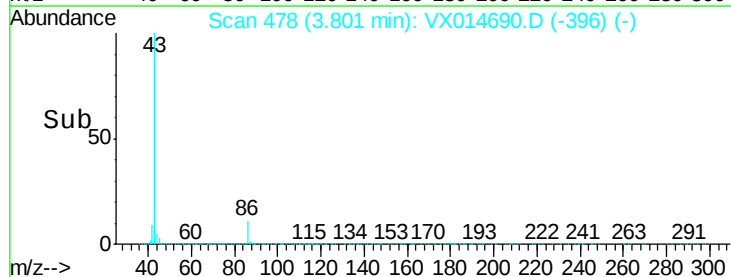
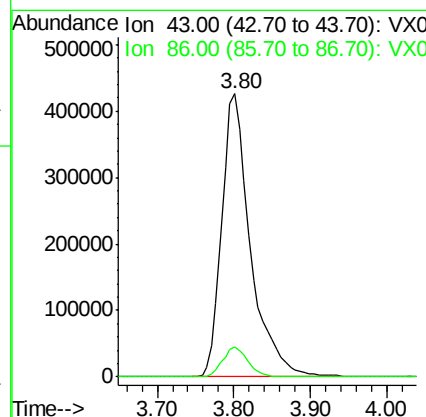
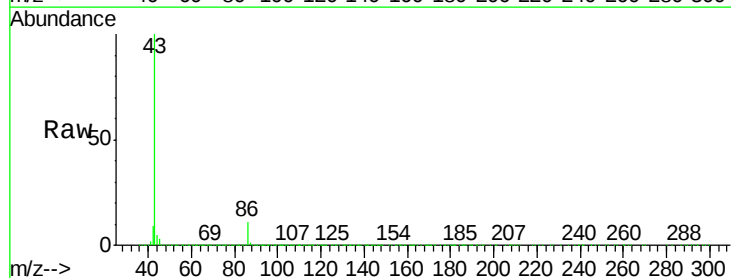
RT: 3.80 min Scan# 478

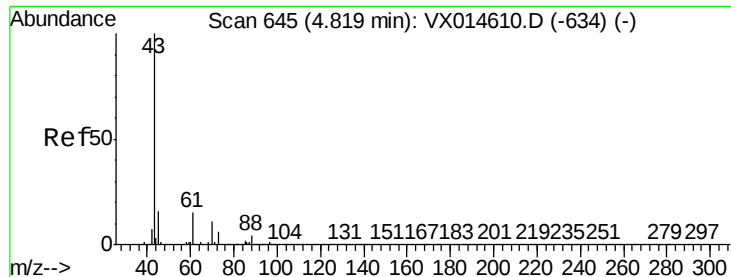
Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Tgt Ion	43	Resp	1104828
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.7	11.5





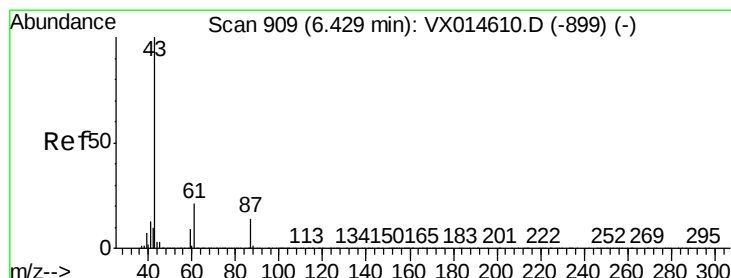
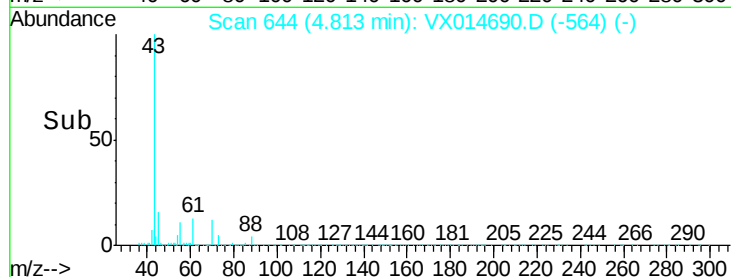
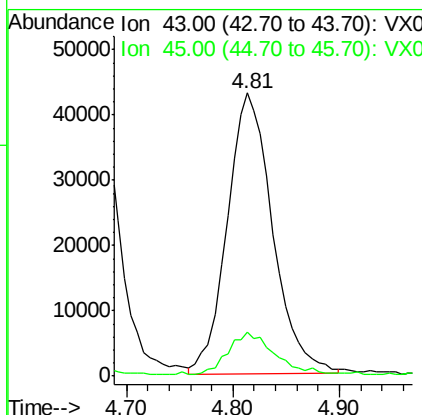
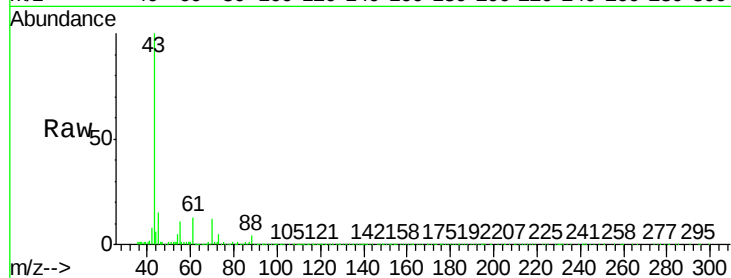
#43
Ethyl Acetate
Concen: 20.723 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	43	Resp	128322
Ion Ratio	Lower	Upper	
43	100		
45	14.6	11.8	17.8

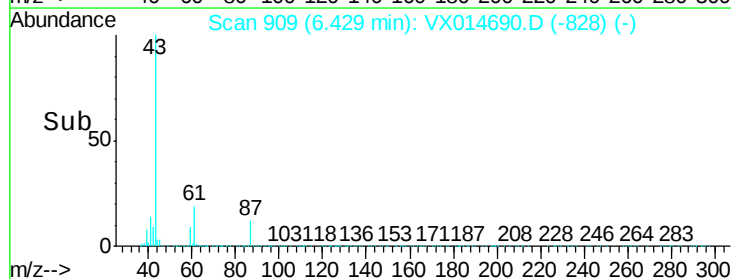
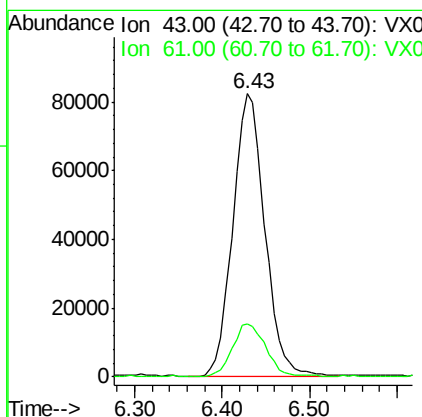
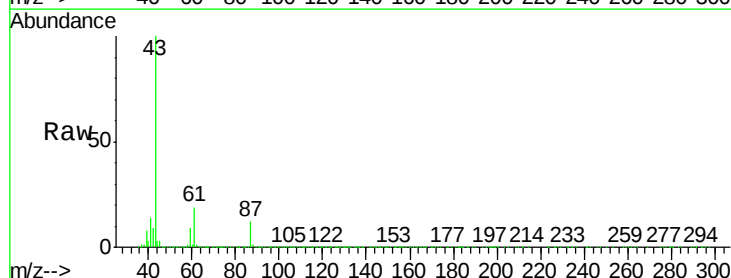
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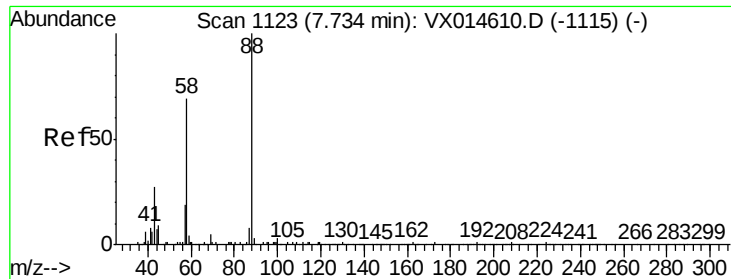
MMDadoda
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#44
Isopropyl Acetate
Concen: 20.804 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	43	Resp	207821
Ion Ratio	Lower	Upper	
43	100		
61	19.2	15.9	23.9





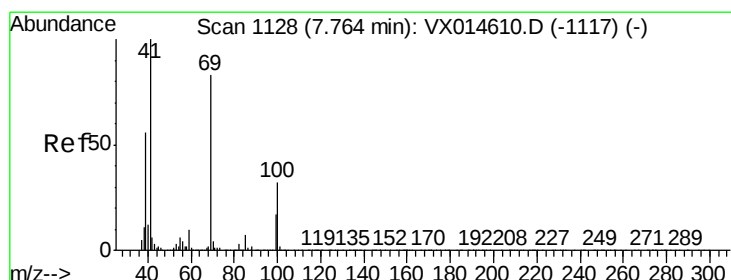
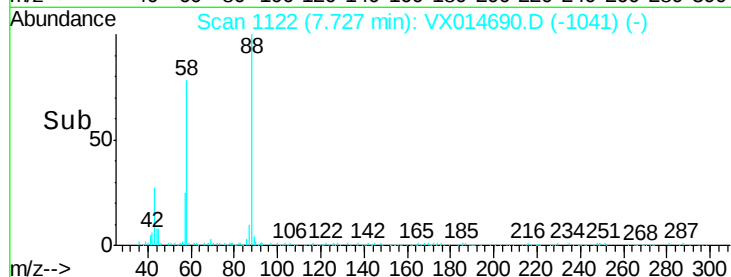
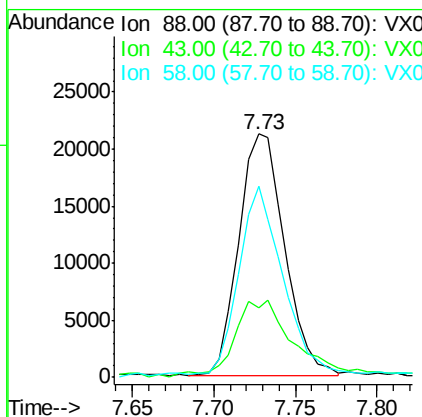
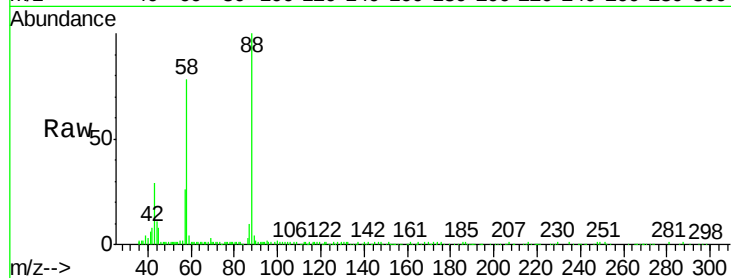
#45
1,4-Dioxane
Concen: 416.005 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	25.4	38.2
58	75.0	56.5	84.7

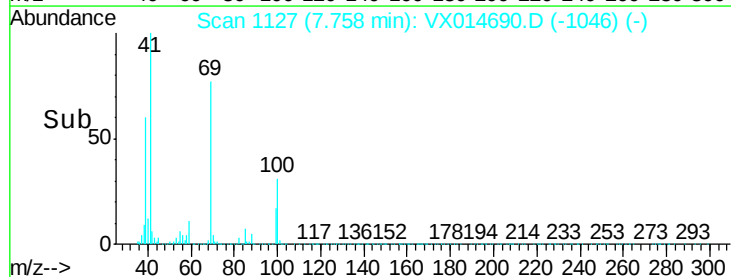
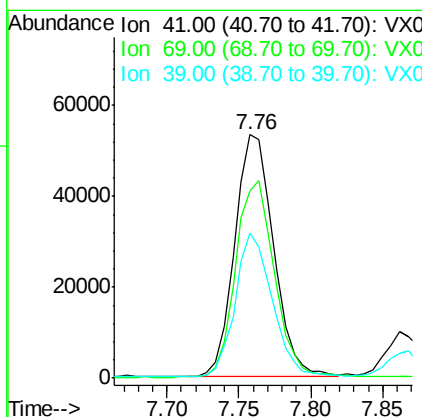
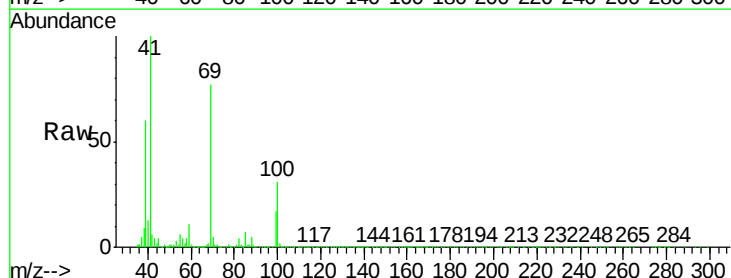
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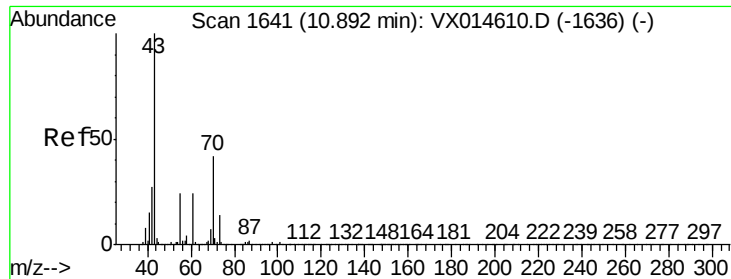
MMDadoda
1/27/2020 10:35:17 AM



#46
Methyl methacrylate
Concen: 20.432 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.0	40.6	122.0
39	59.4	27.8	83.3





#47

n-amvl Acetate

Concen: 19.793 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 165668

Ion Ratio Lower Upper

43 100

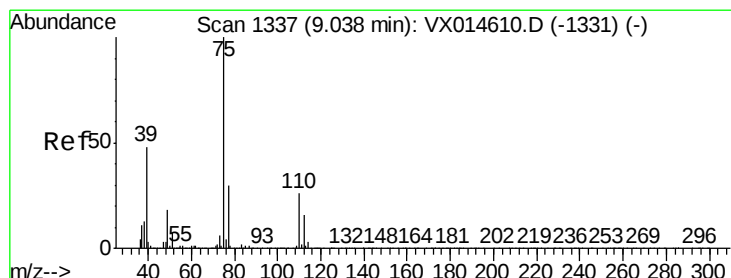
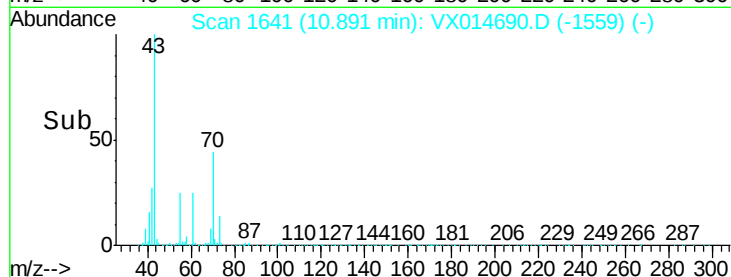
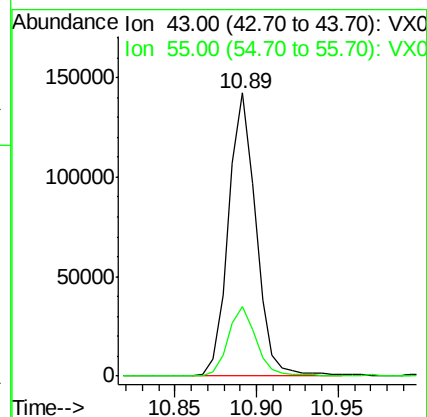
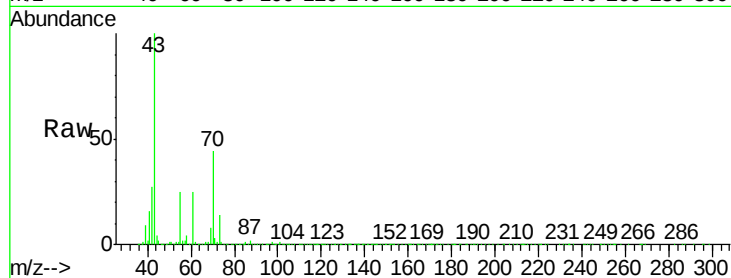
55 25.0 19.4 29.2

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#48

t-1,3-Dichloropropene

Concen: 20.755 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014690.D

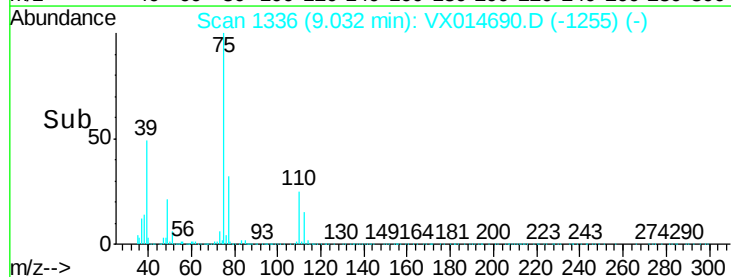
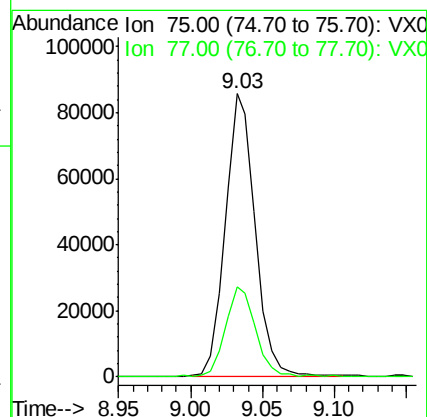
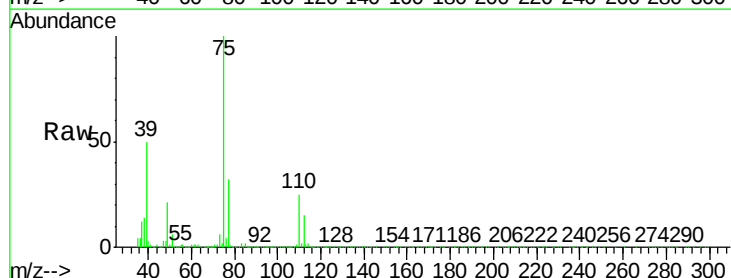
Acq: 24 Jan 2020 11:56

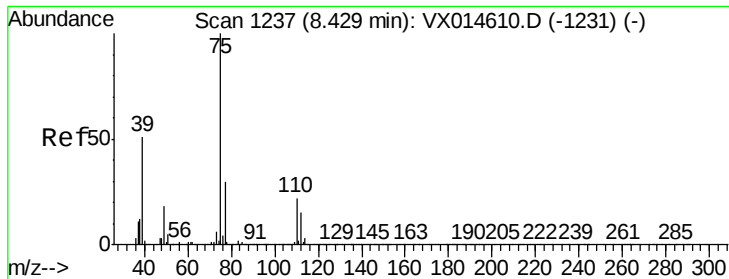
Tgt Ion: 75 Resp: 123742

Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0





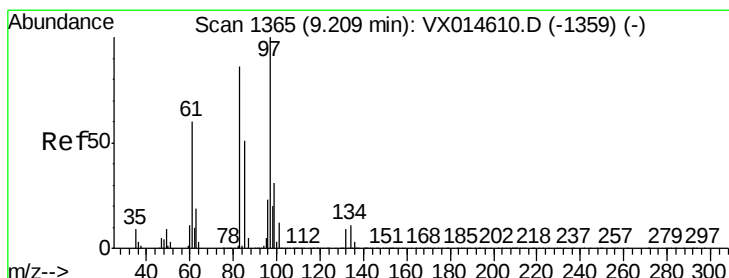
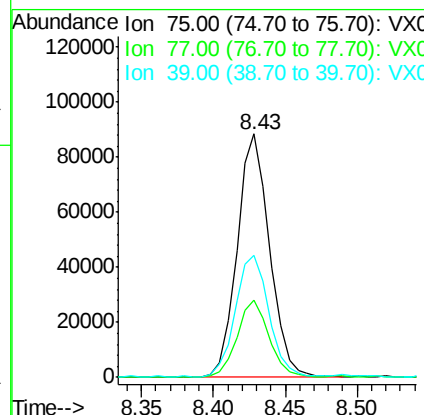
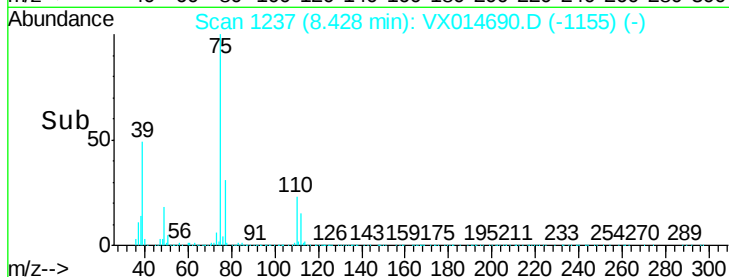
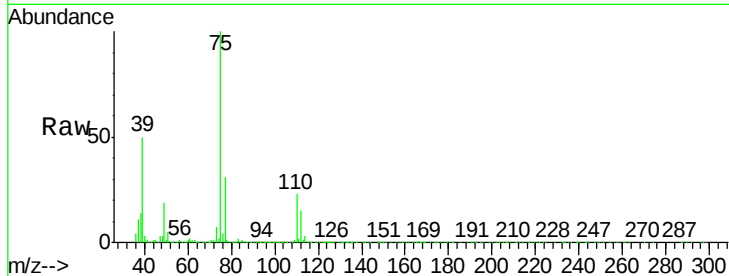
#49
 cis-1,3-Dichloropropene
 Concen: 20.545 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2
39	49.7	41.1	61.7

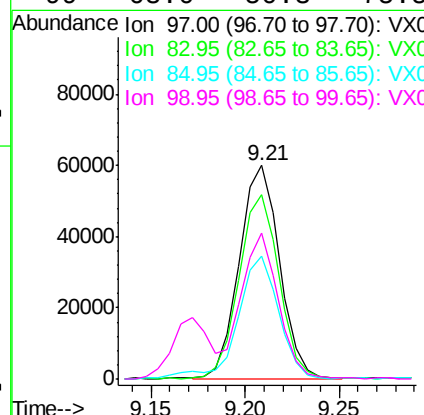
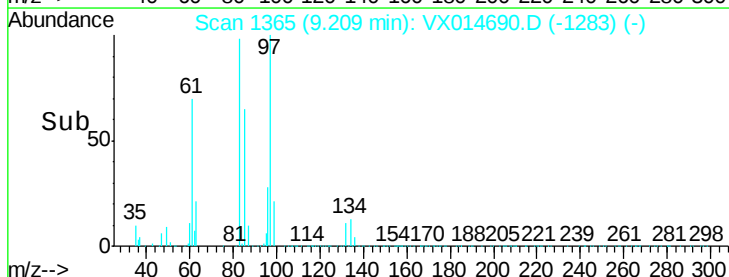
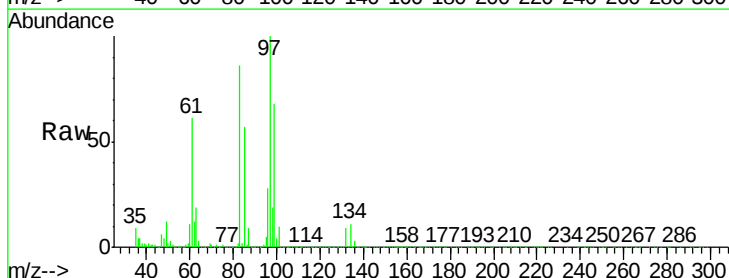
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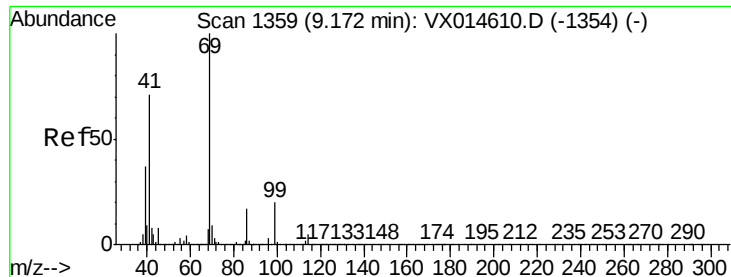
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#50
 1,1,2-Trichloroethane
 Concen: 20.846 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.1	102.1
85	57.3	42.7	64.1
99	68.0	50.3	75.5





#51

Ethyl methacrylate

Concen: 20.260 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

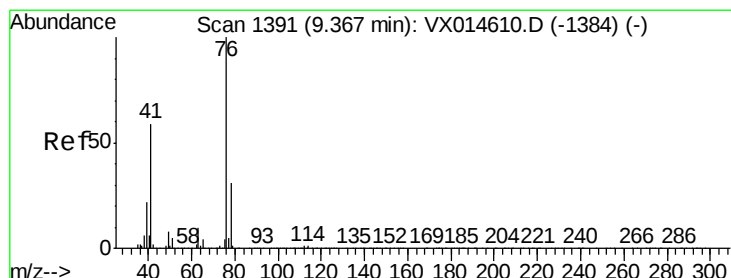
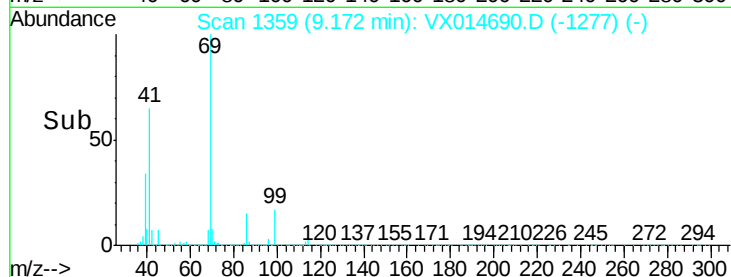
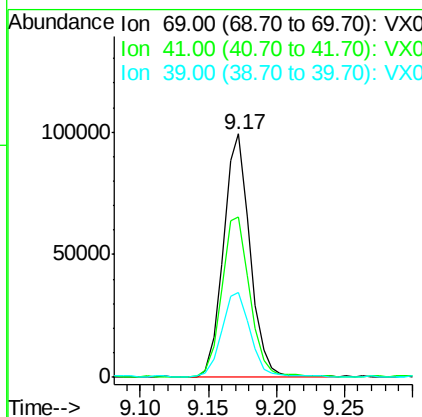
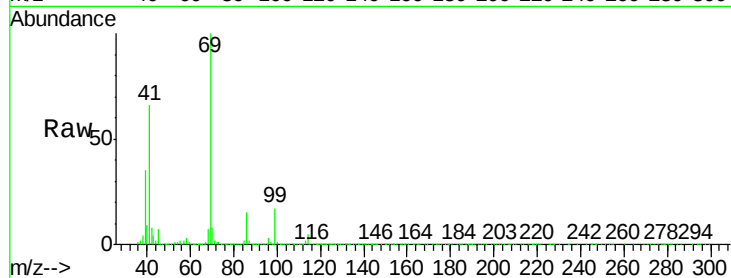
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	133857
Ion Ratio	Lower	Upper	
69	100		
41	66.0	35.4	106.1
39	34.3	17.8	53.3

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#52

1,3-Dichloropropane

Concen: 20.886 ug/l

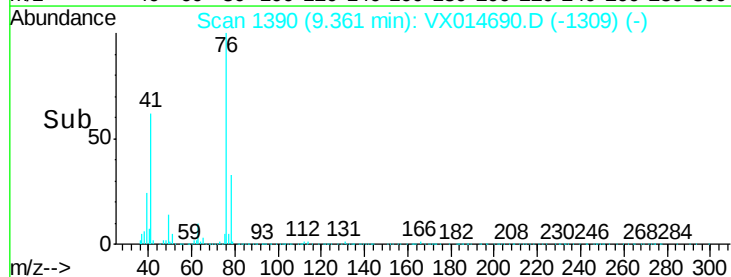
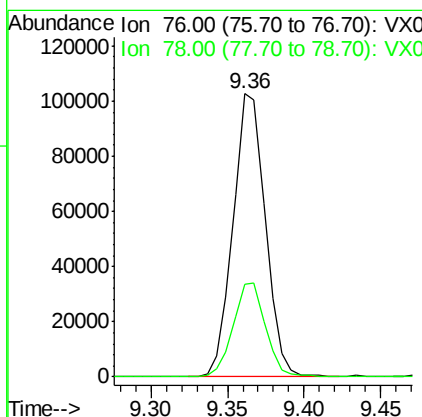
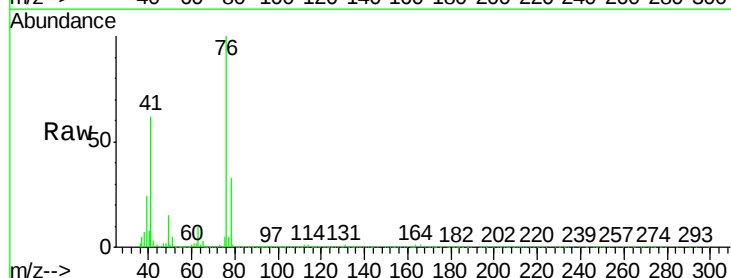
RT: 9.36 min Scan# 1390

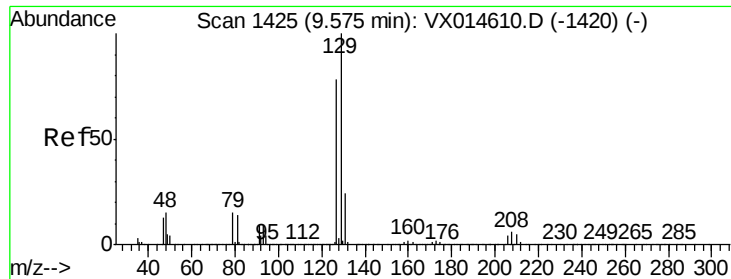
Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Tgt Ion:	76	Resp:	150154
Ion Ratio	Lower	Upper	
76	100		
78	33.1	0.0	63.4





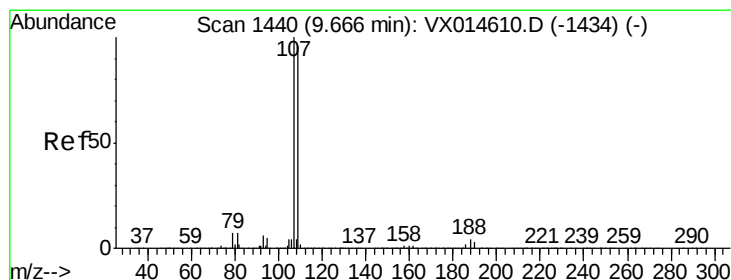
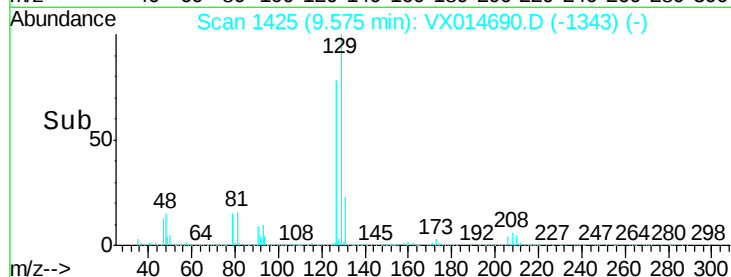
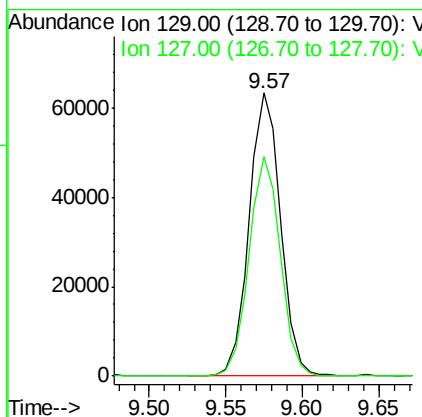
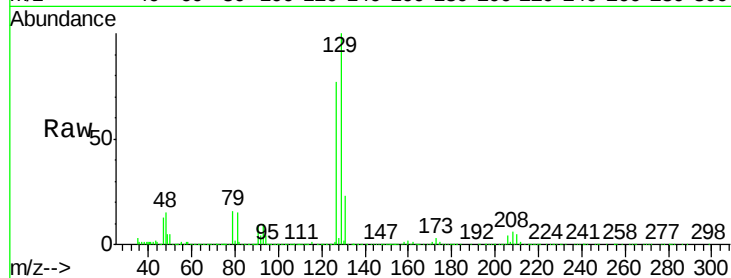
#53
Dibromochloromethane
Concen: 20.839 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:129 Resp: 90446
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.5

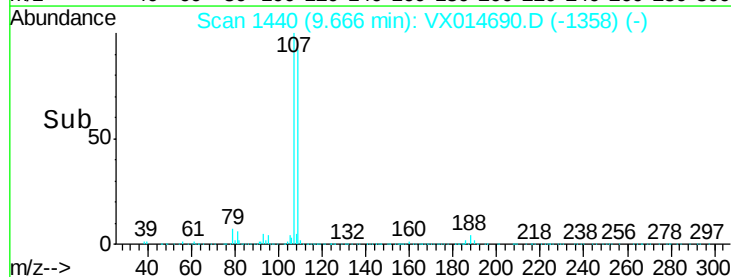
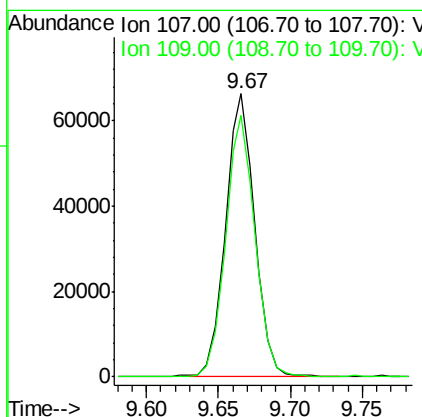
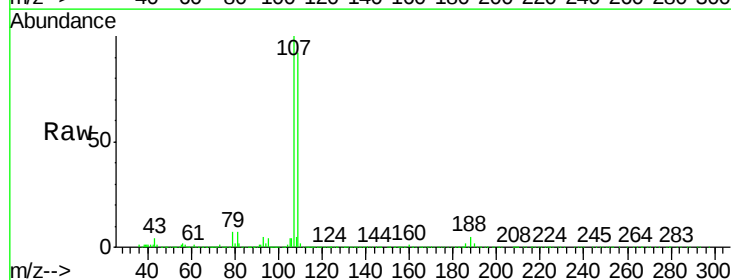
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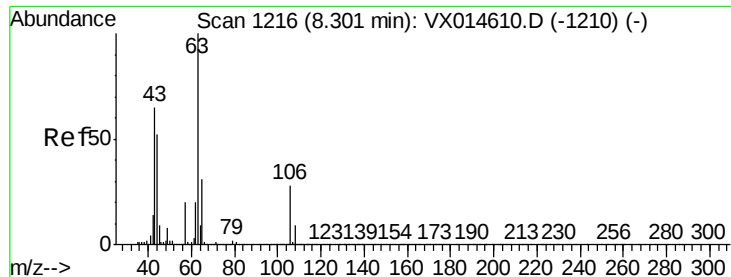
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#54
1,2-Dibromoethane
Concen: 21.332 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion:107 Resp: 93877
Ion Ratio Lower Upper
107 100
109 93.4 77.2 115.8





#55

2-Chloroethyl vinyl ether

Concen: 97.610 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

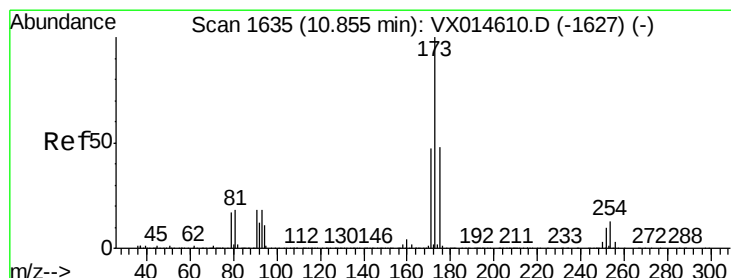
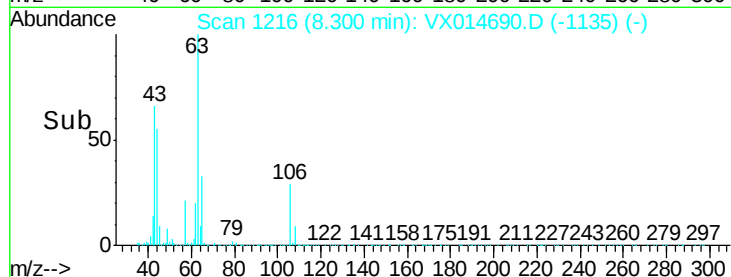
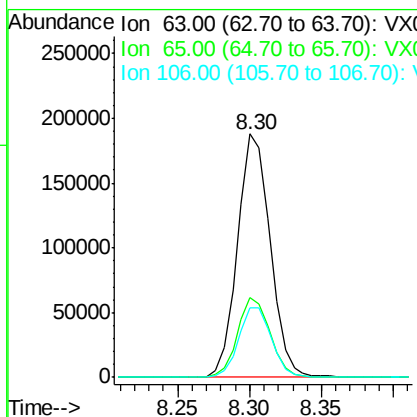
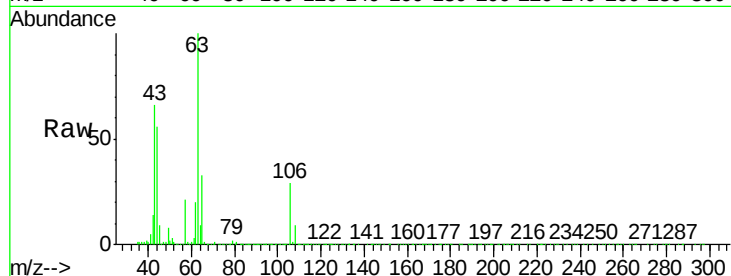
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	296384
Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.8	38.6
106	29.0	22.9	34.3

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#56

Bromoform

Concen: 20.323 ug/l

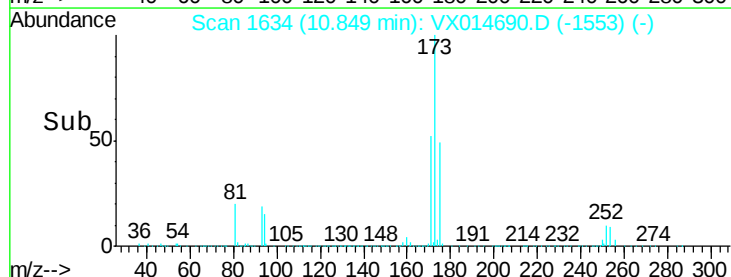
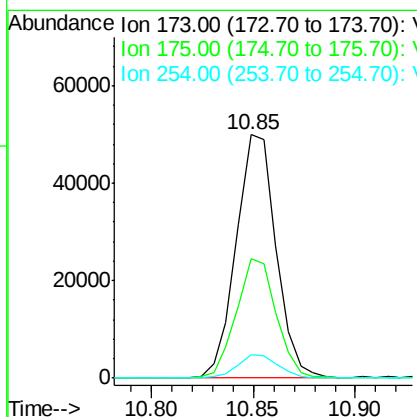
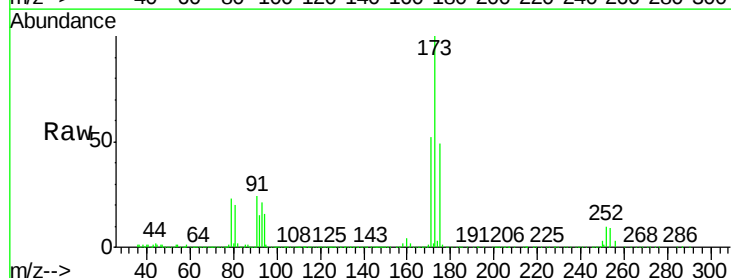
RT: 10.85 min Scan# 1634

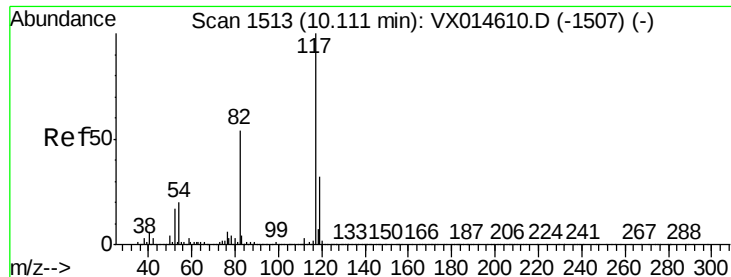
Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Tgt Ion:	173	Resp:	67943
Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.5	59.3
254	9.8	8.2	12.4





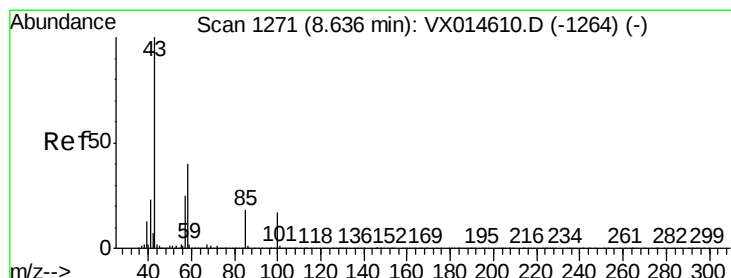
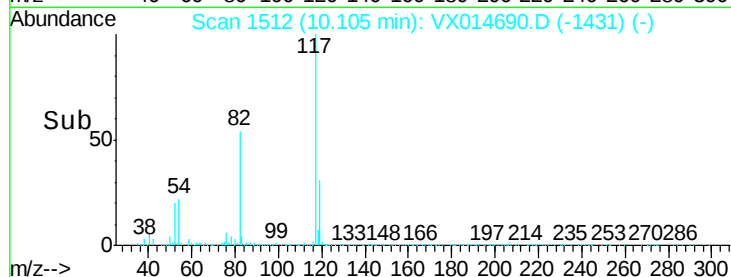
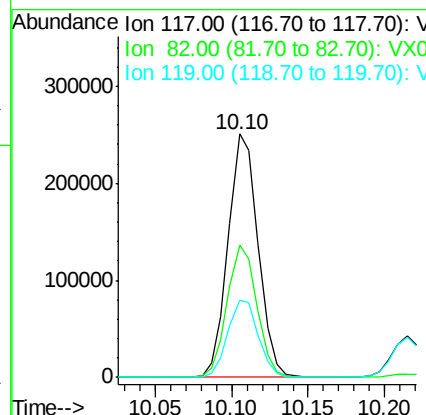
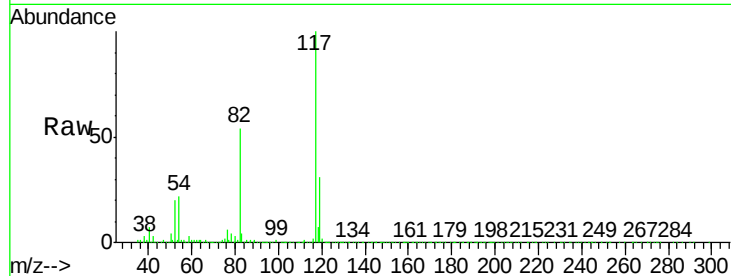
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.8	65.6
119	32.2	25.8	38.6

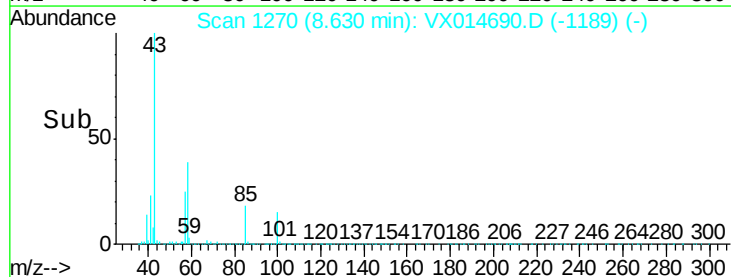
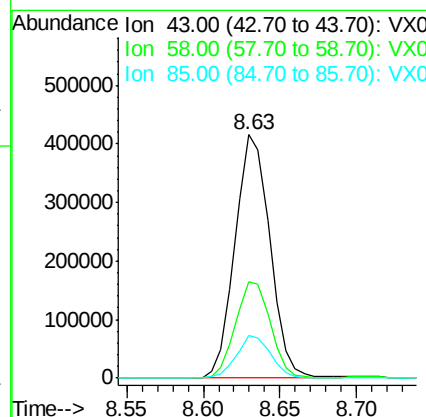
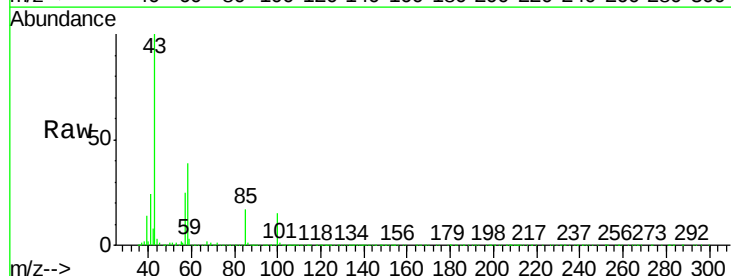
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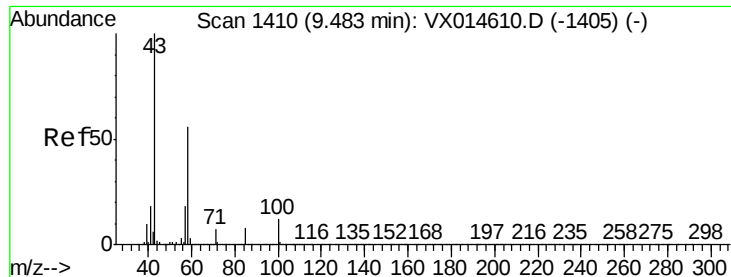
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#58
4-Methyl-2-Pentanone
Concen: 102.734 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.2	46.8
85	17.0	14.2	21.2





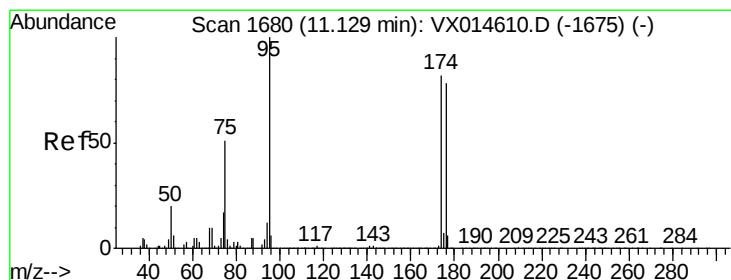
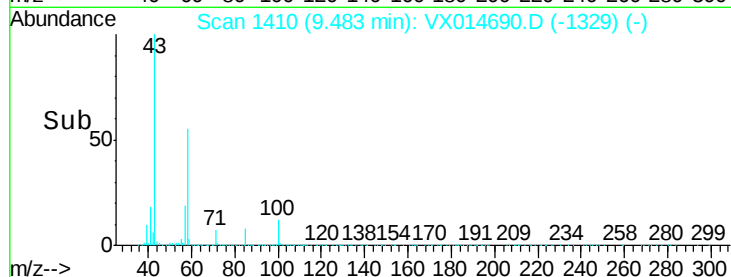
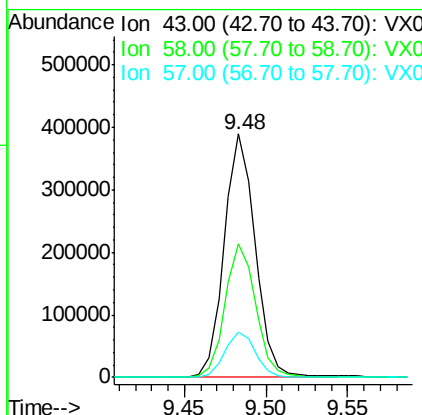
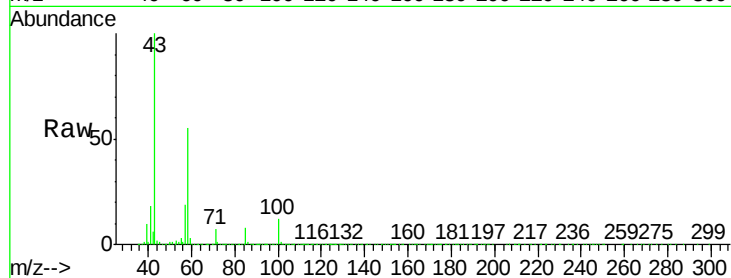
#59
2-Hexanone
Concen: 103.474 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	43.8	65.6
57	18.7	15.4	23.0

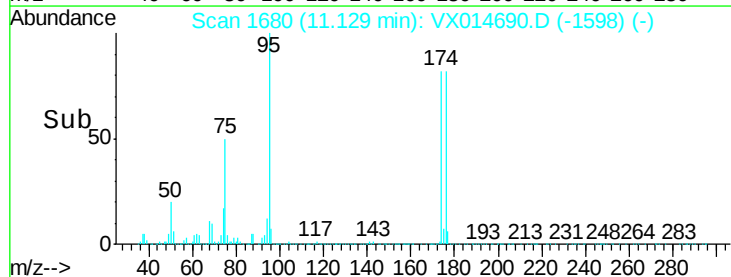
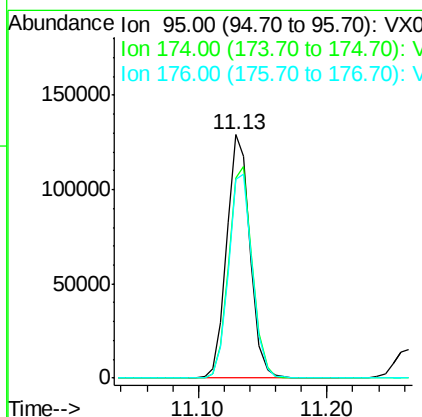
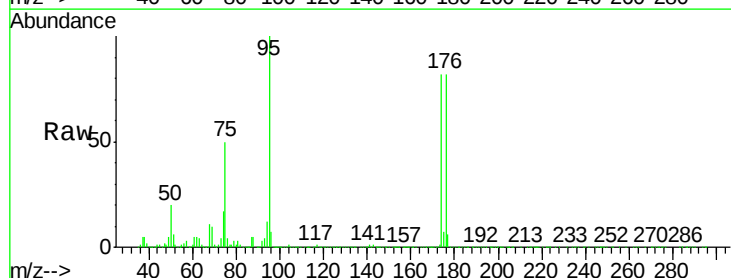
Manual Integrations
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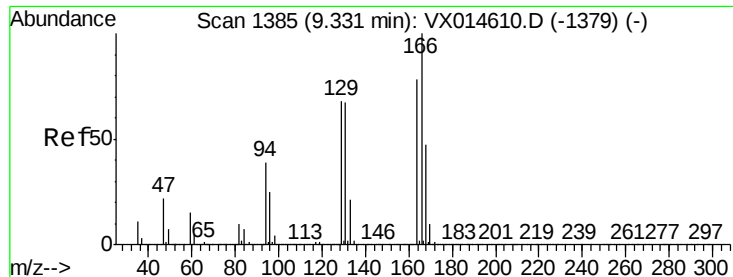
MMDadoda
1/27/2020 10:35:17 AM



#60
4-Bromofluorobenzene
Concen: 30.182 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.5	70.2	105.2
176	85.0	68.3	102.5





#61

Tetrachloroethene

Concen: 19.438 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

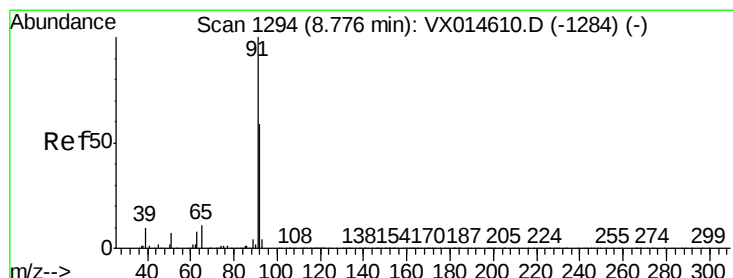
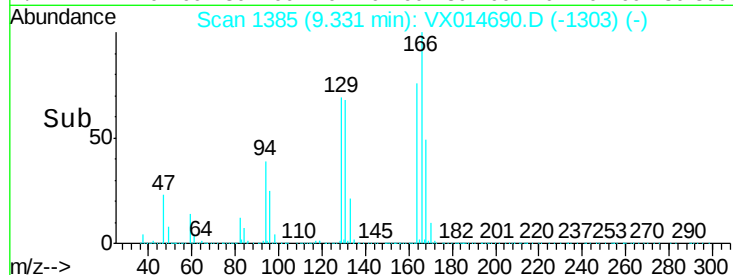
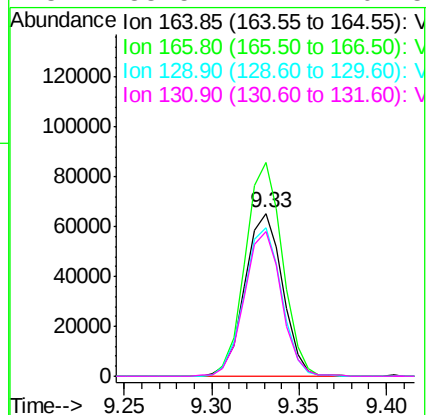
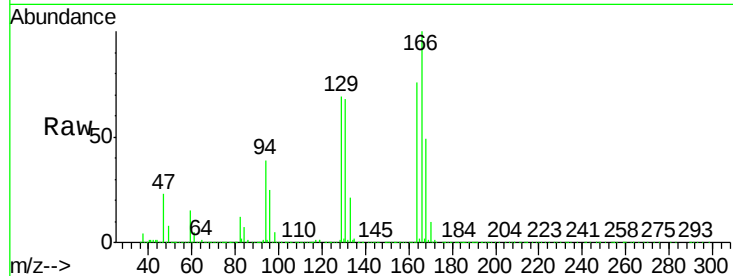
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	97819
Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.2	156.2
129	90.8	71.6	107.4
131	88.5	71.7	107.5

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#62

Toluene

Concen: 19.849 ug/l

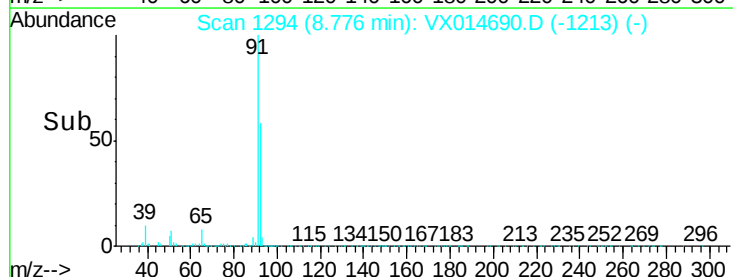
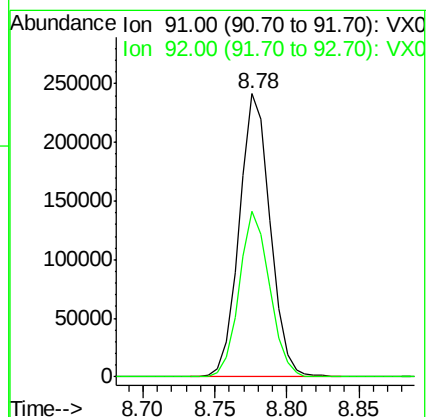
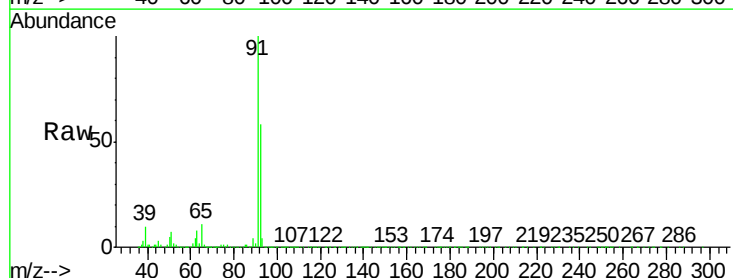
RT: 8.78 min Scan# 1294

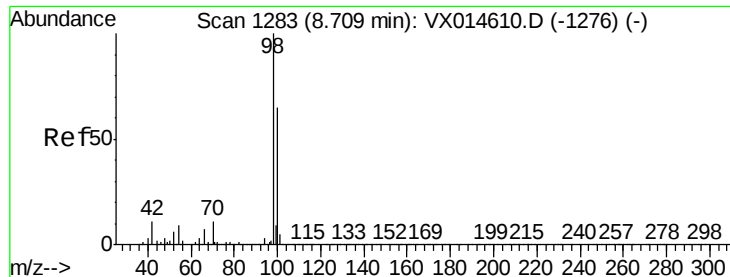
Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Tgt Ion:	91	Resp:	358538
Ion	Ratio	Lower	Upper
91	100		
92	57.5	46.4	69.6





#63

Toluene-d8

Concen: 29.883 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 459553

Ion Ratio Lower Upper

98 100

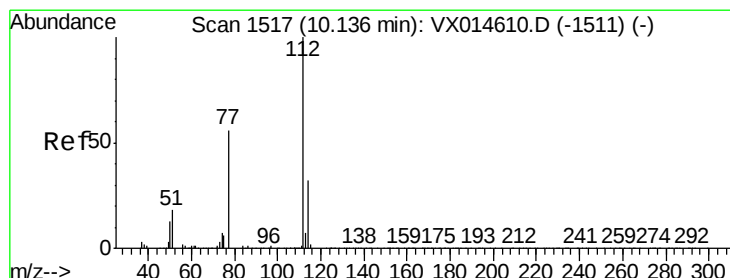
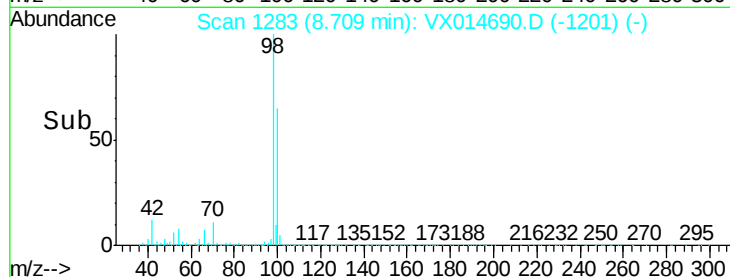
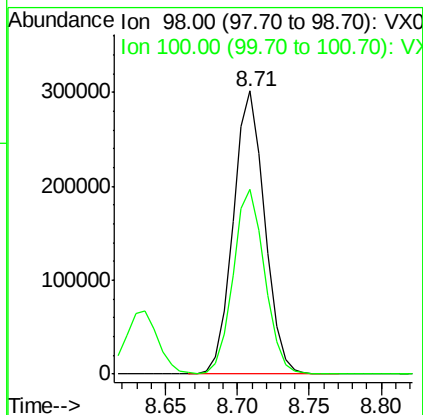
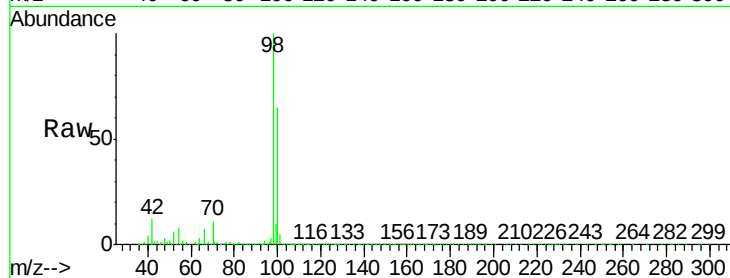
100 65.3 52.2 78.2

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#64

Chlorobenzene

Concen: 20.032 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014690.D

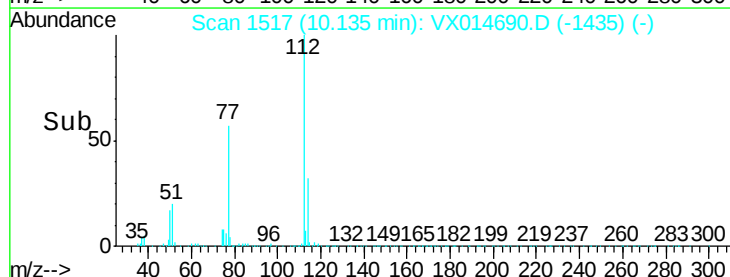
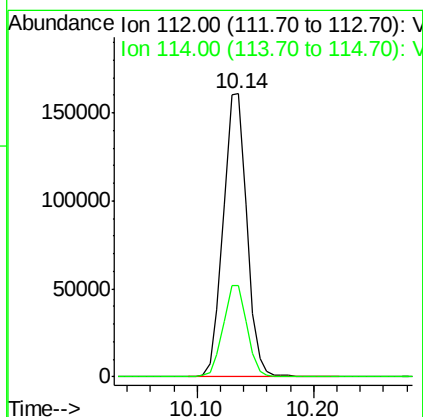
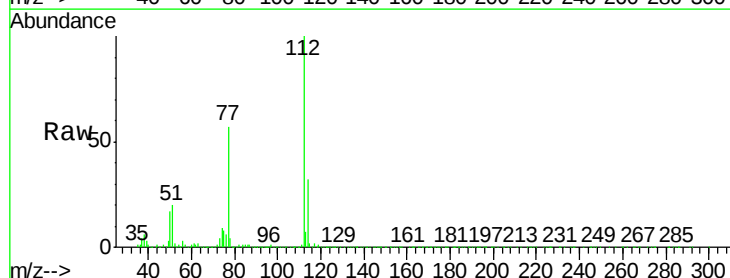
Acq: 24 Jan 2020 11:56

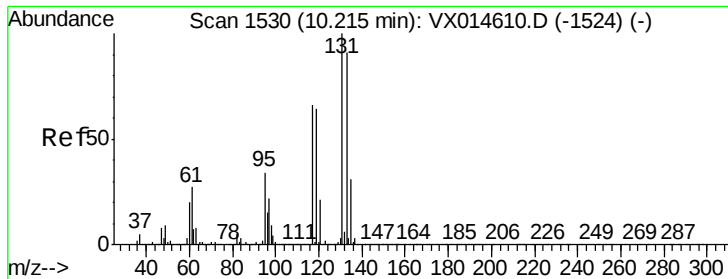
Tgt Ion: 112 Resp: 225887

Ion Ratio Lower Upper

112 100

114 32.2 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.692 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

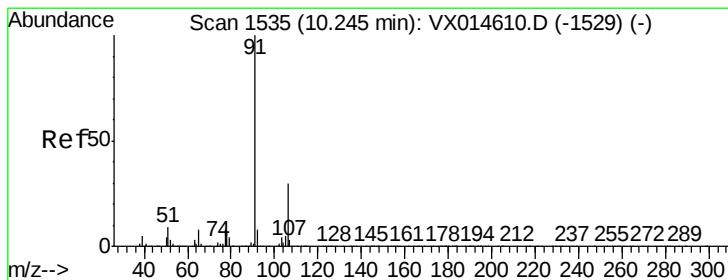
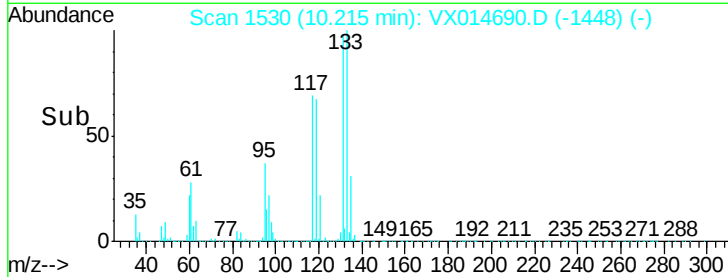
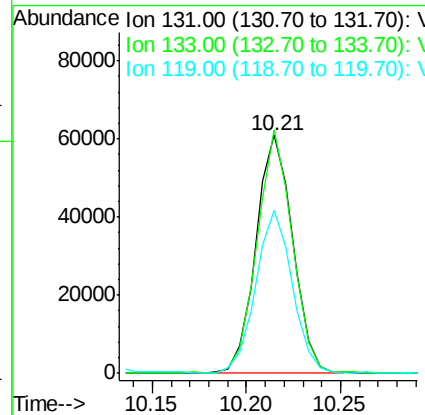
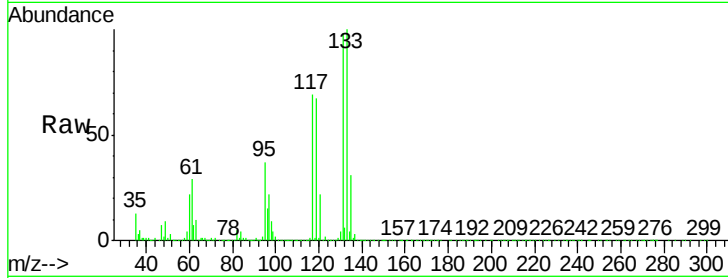
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	82010
Ion Ratio	Lower	Upper	
131	100		
133	97.9	0.0	189.8
119	68.1	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.318 ug/l

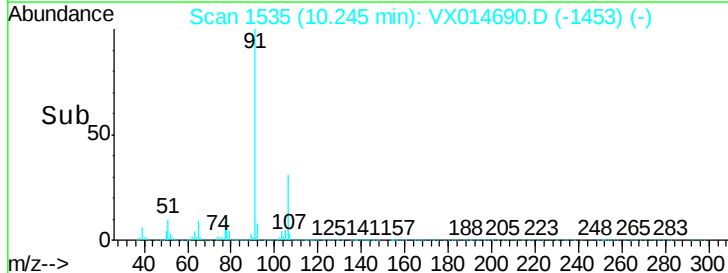
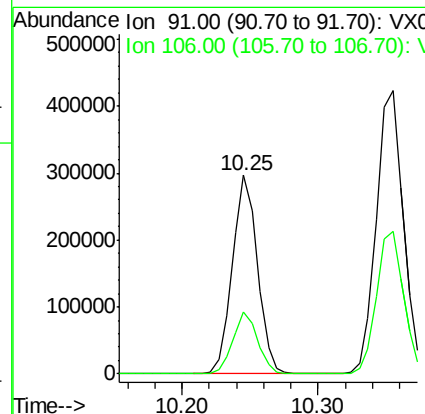
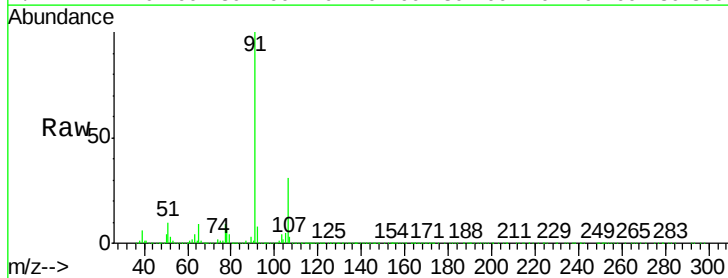
RT: 10.25 min Scan# 1535

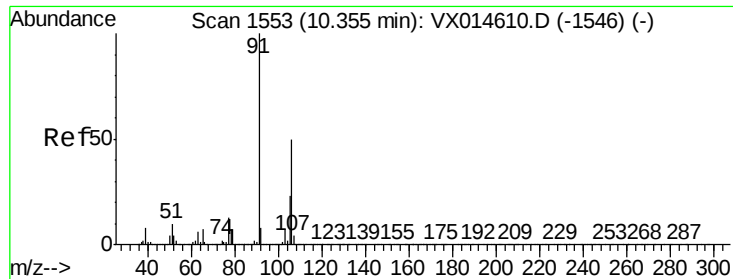
Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Tgt Ion:	91	Resp:	380088
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.2	36.2





#67

m/p-Xylenes

Concen: 39.159 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 295113

Ion Ratio Lower Upper

106 100

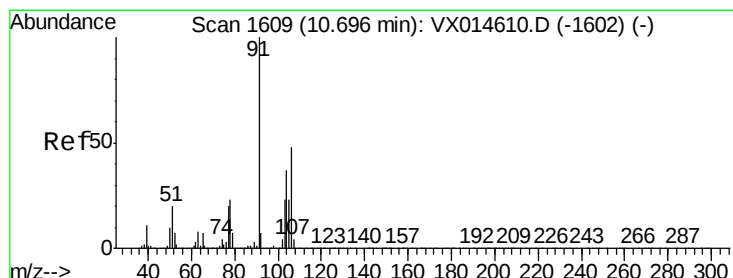
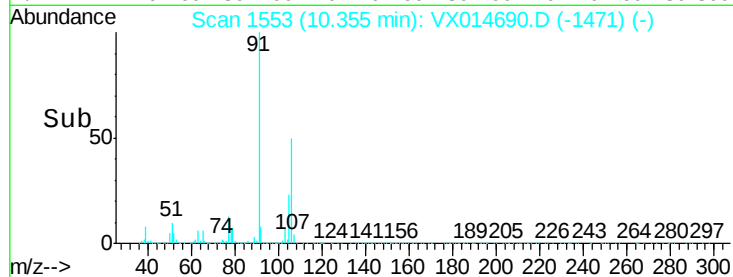
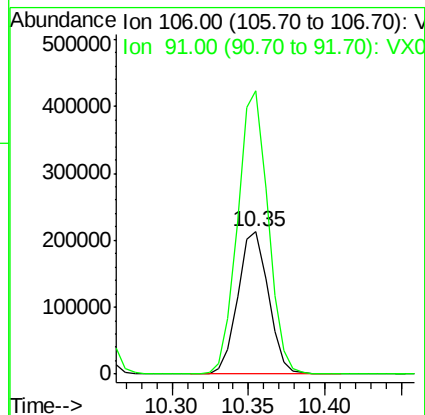
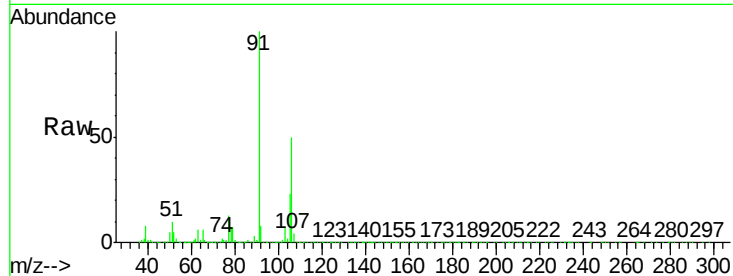
91 197.9 159.3 238.9

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#68

o-Xylene

Concen: 19.441 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014690.D

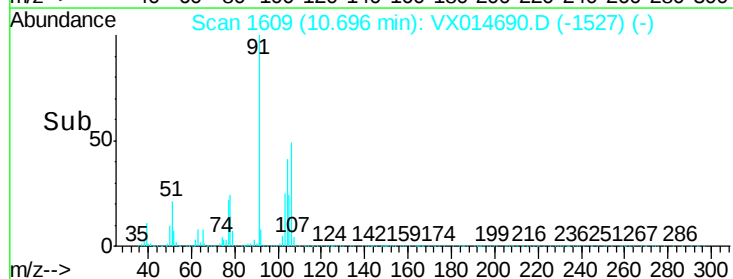
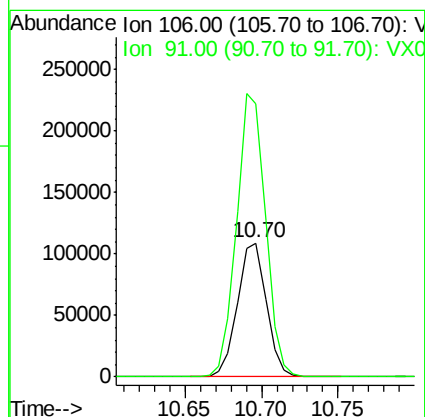
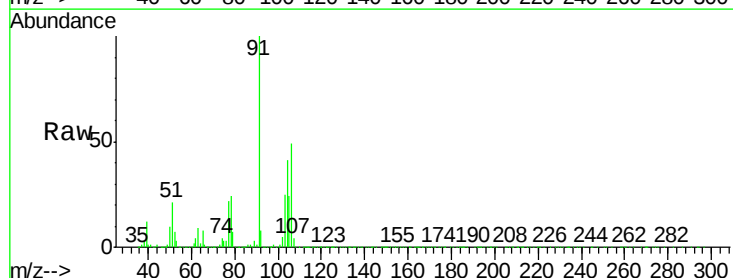
Acq: 24 Jan 2020 11:56

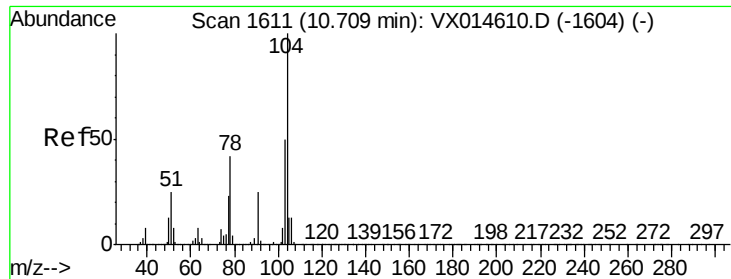
Tgt Ion:106 Resp: 142667

Ion Ratio Lower Upper

106 100

91 211.6 104.8 314.6





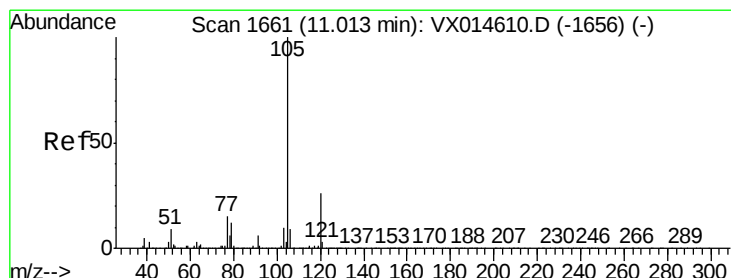
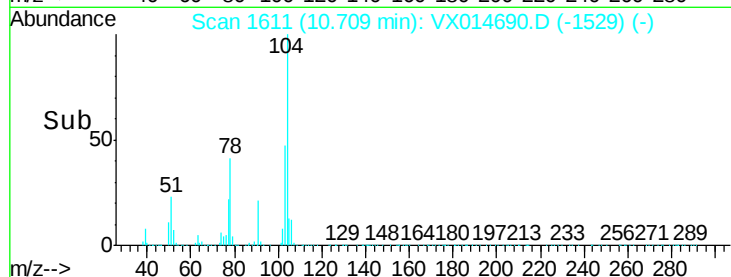
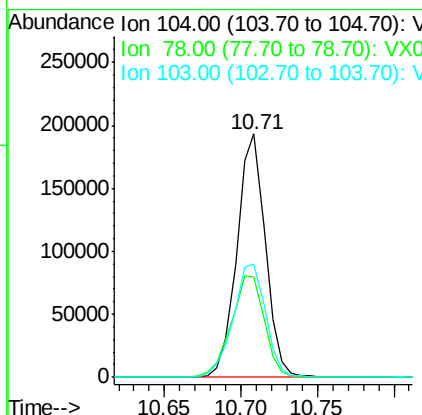
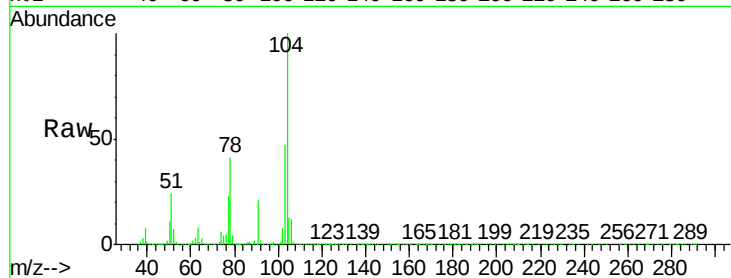
#69
Stvrene
Concen: 19.998 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		248659		
78	48.7	38.9	58.3		
103	53.4	44.2	66.2		

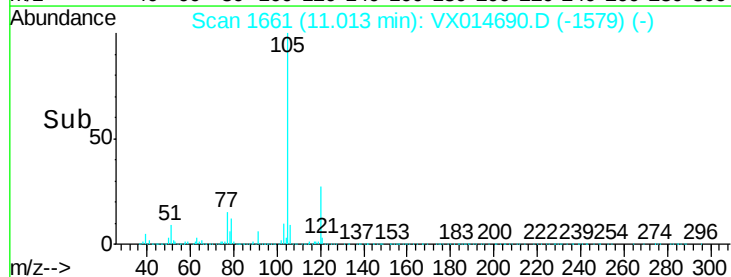
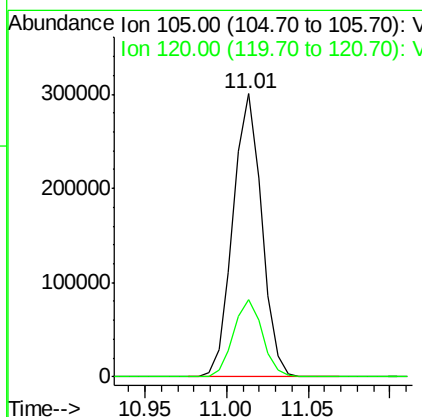
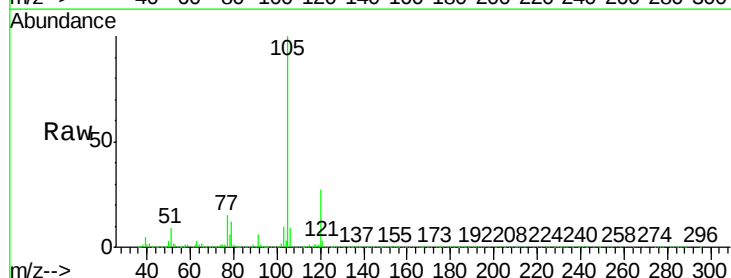
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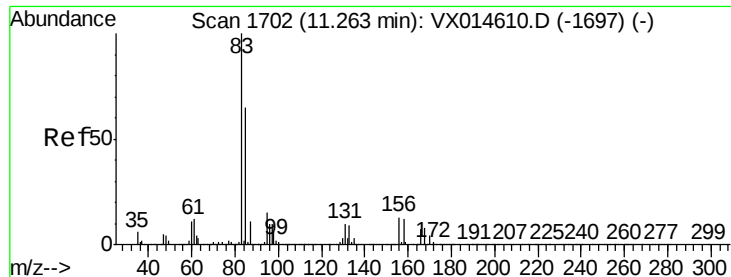
MMDadoda
1/27/2020 10:35:17 AM



#70
Isopropylbenzene
Concen: 19.142 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		368007		
120	27.3	19.1	35.5		





#71

1,1,2,2-Tetrachloroethane

Concen: 20.202 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

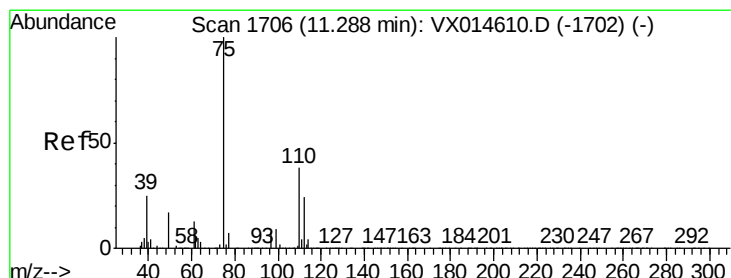
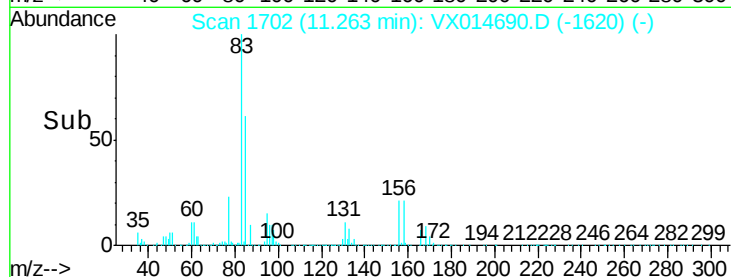
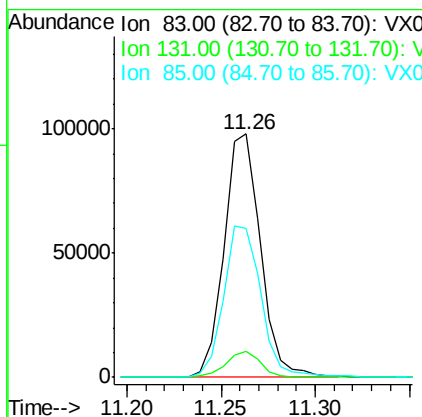
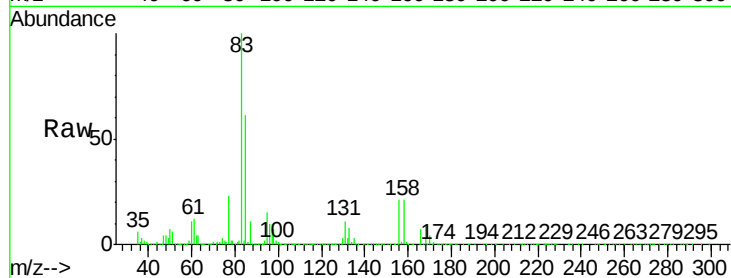
ClientSampled :

VSTDCCC020

Tot Ion:	83	Resp:	130832
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	63.8	31.6	94.7

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#72

1,2,3-Trichloropropane

Concen: 20.330 ug/l m

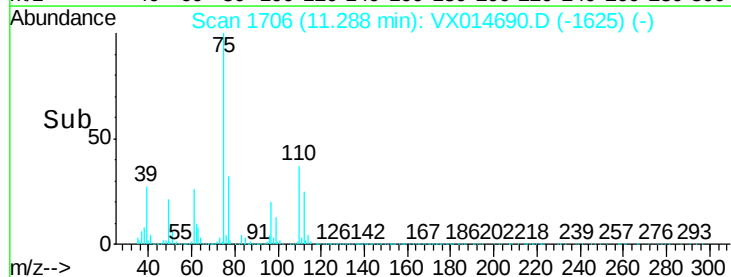
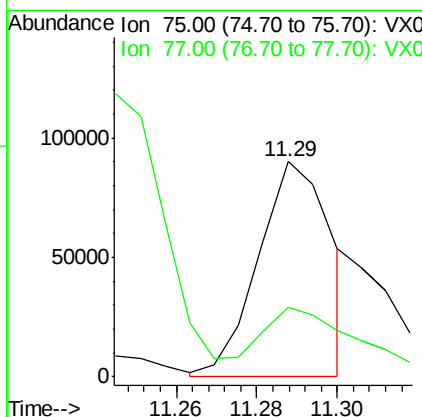
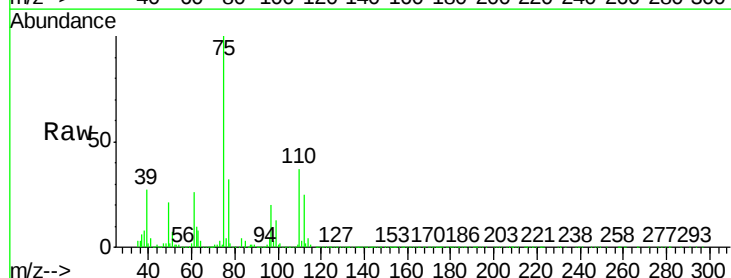
RT: 11.29 min Scan# 1706

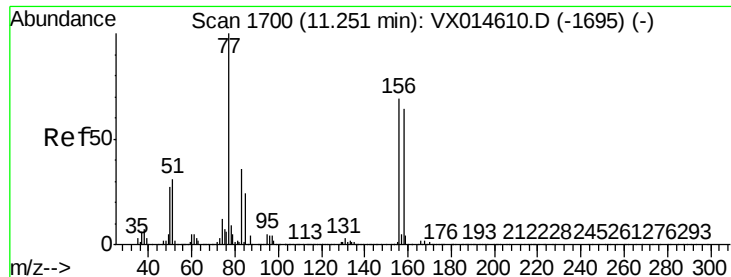
Delta R.T. -0.01 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Tgt Ion:	75	Resp:	112620
Ion Ratio	Lower	Upper	
75	100		
77	41.7	0.0	68.4





#73

Bromobenzene

Concen: 19.862 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

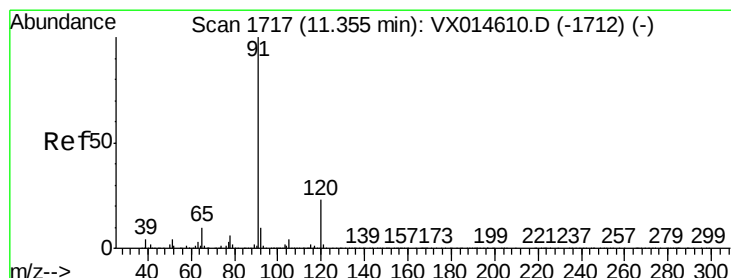
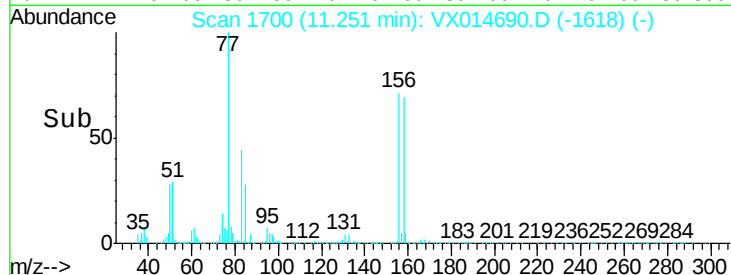
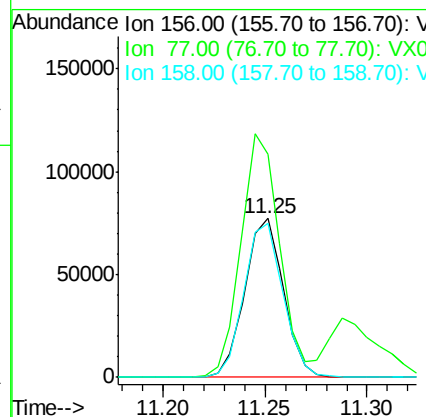
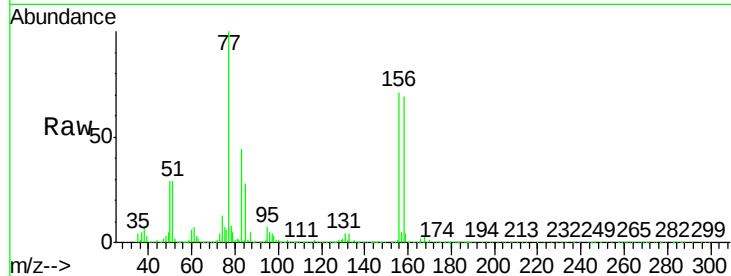
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	101223
Ion Ratio	Lower	Upper	
156	100		
77	152.4	0.0	304.6
158	98.9	0.0	195.2

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#74

n-propylbenzene

Concen: 19.243 ug/l

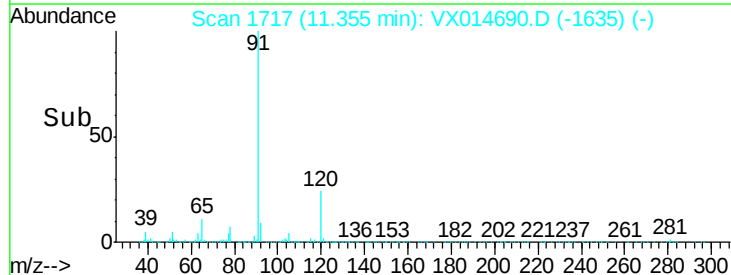
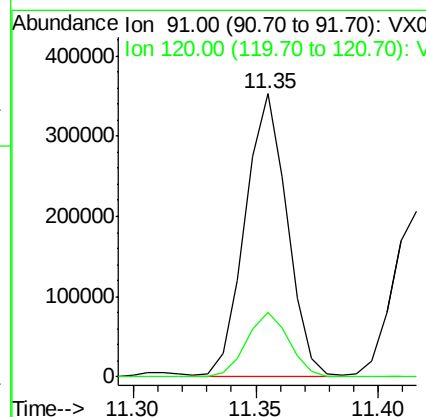
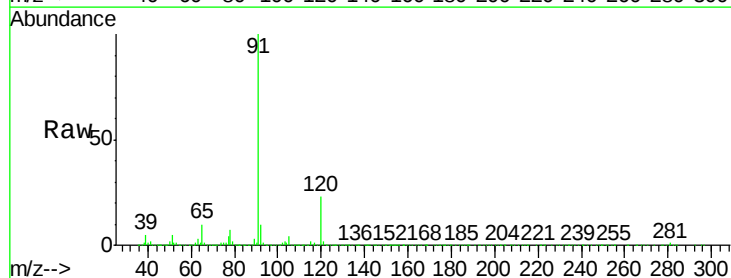
RT: 11.35 min Scan# 1717

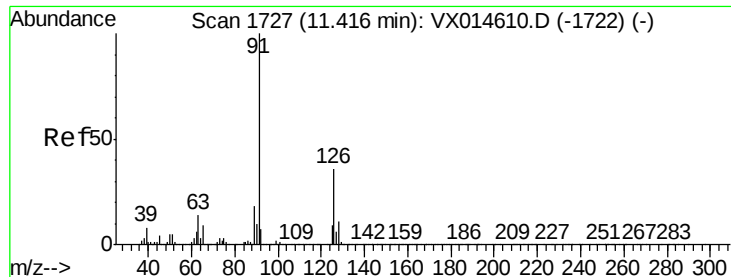
Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Tgt Ion:	91	Resp:	422736
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	44.8





#75

2-Chlorotoluene

Concen: 19.638 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 258566

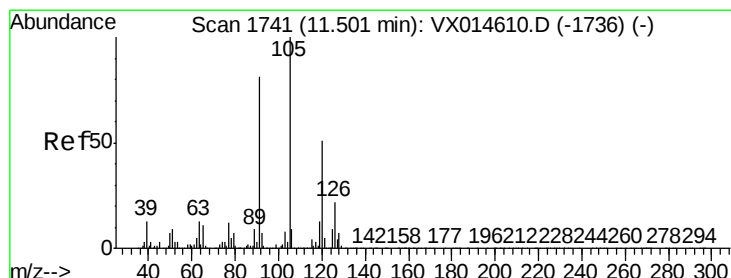
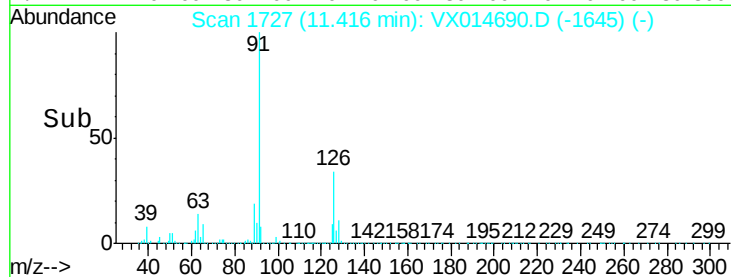
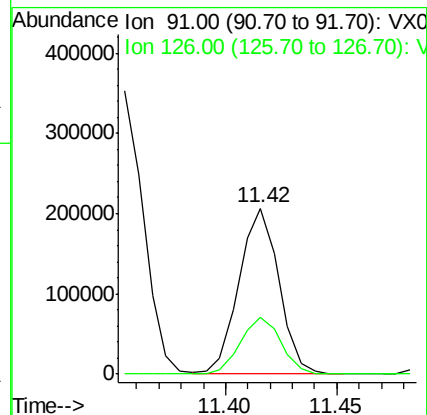
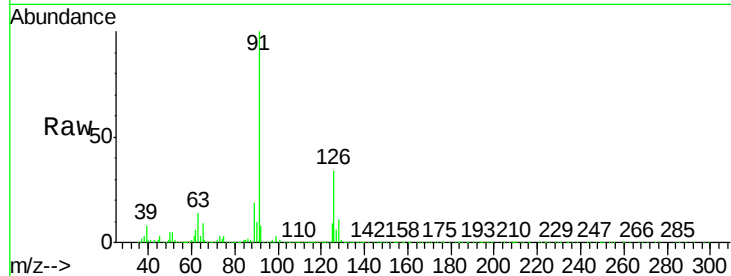
Ion Ratio Lower Upper

91 100

126 34.8 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 19.407 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014690.D

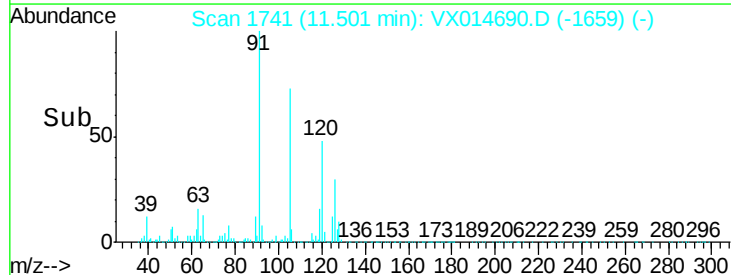
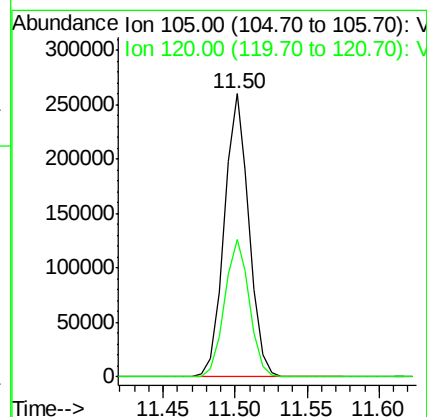
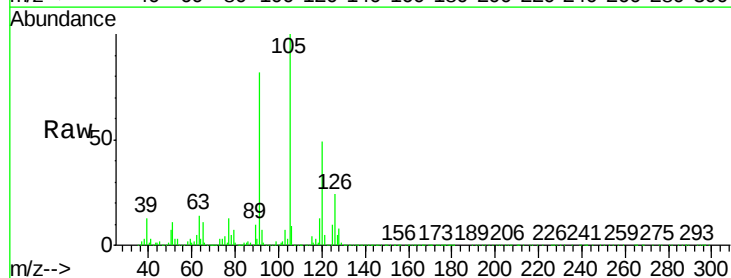
Acq: 24 Jan 2020 11:56

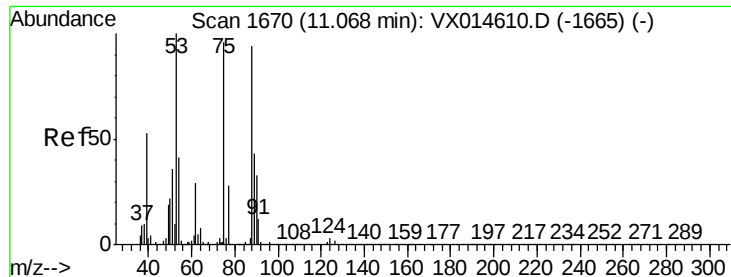
Tgt Ion: 105 Resp: 310893

Ion Ratio Lower Upper

105 100

120 48.9 0.0 100.6





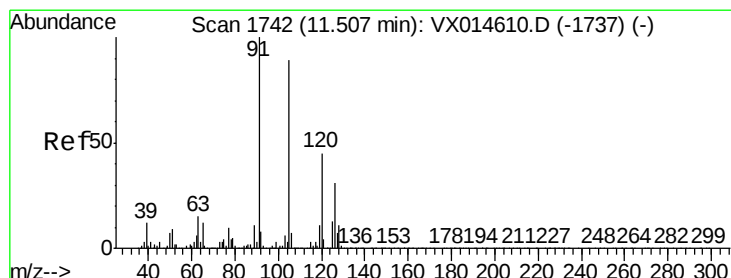
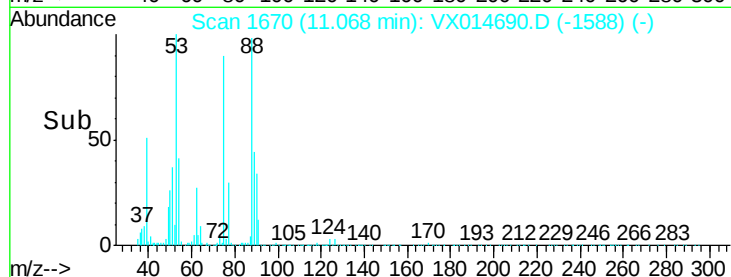
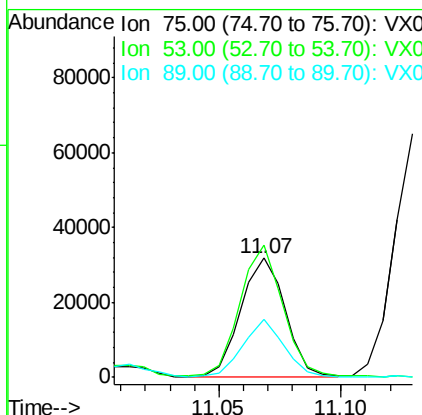
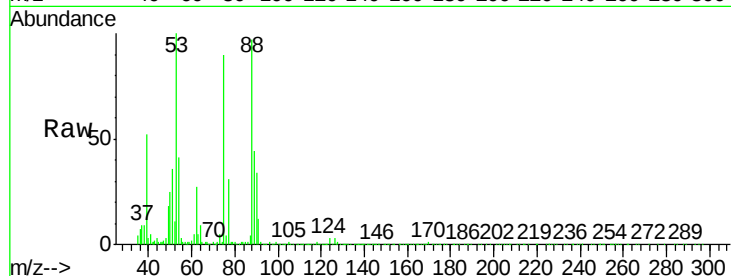
#77
t-1,4-Dichloro-2-butene
Concen: 18.759 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.1	54.4	163.1
89	48.5	21.9	65.5

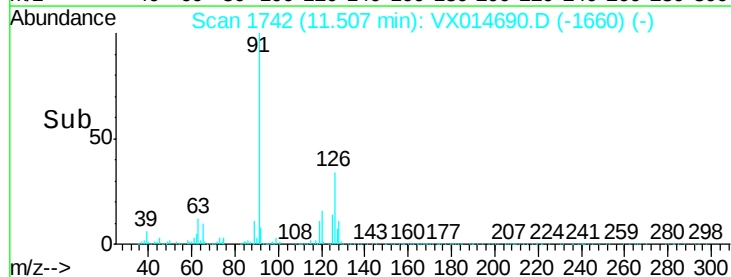
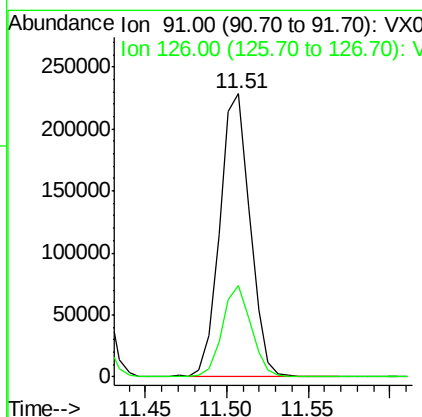
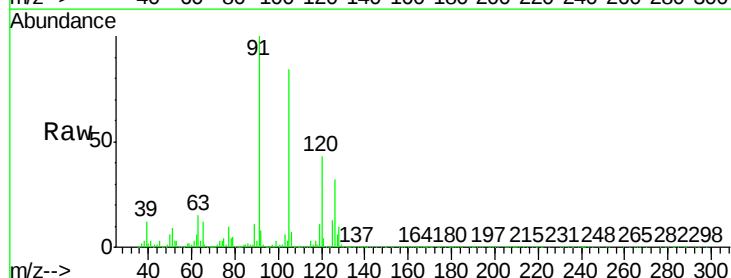
Manual Integrations
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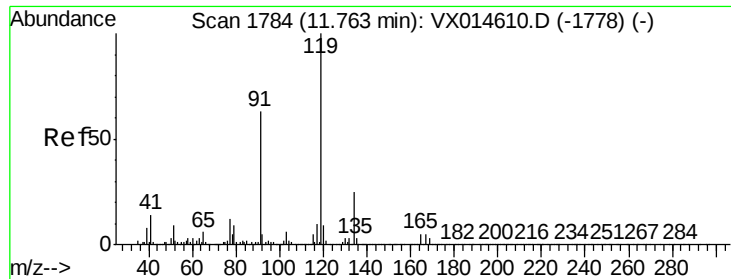
MMDadoda
1/27/2020 10:35:17 AM



#78
4-Chlorotoluene
Concen: 19.689 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	59.6





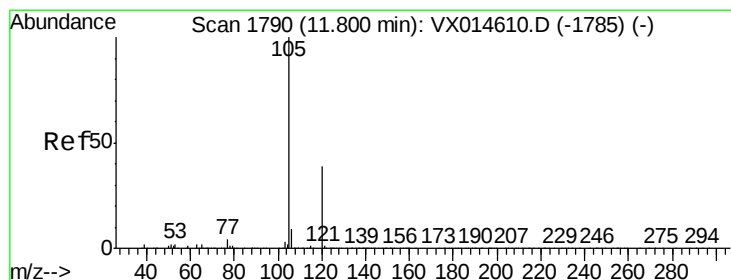
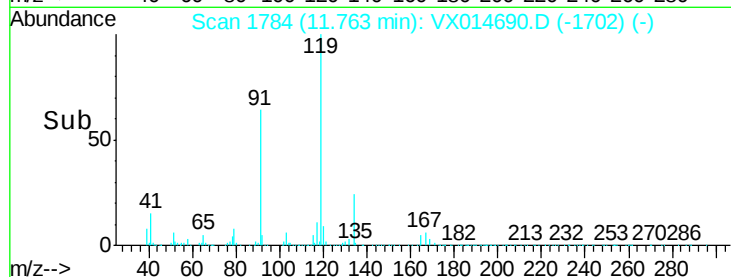
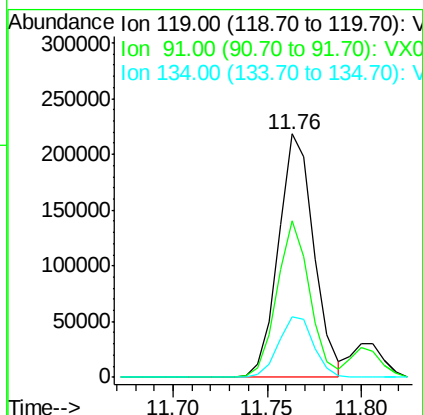
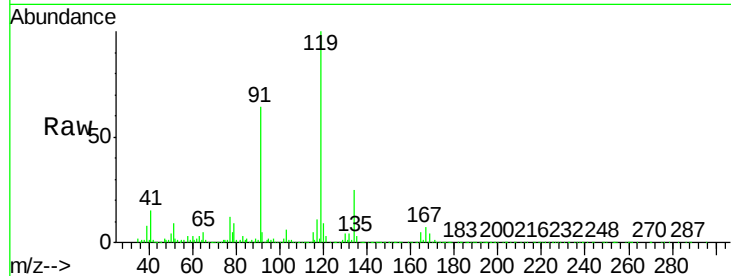
#79
tert-butylbenzene
Concen: 18.924 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283659		
91	59.4		0.0	112.6
134	24.6		0.0	49.8

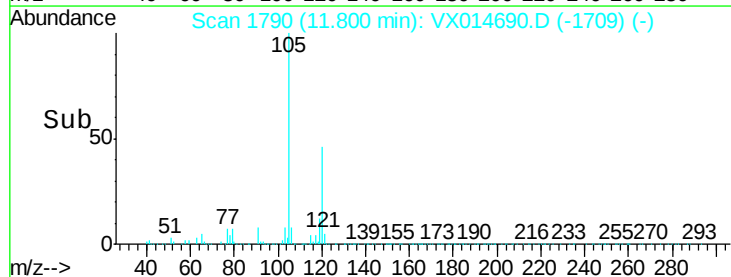
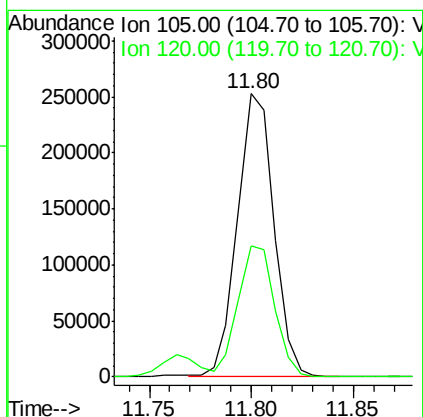
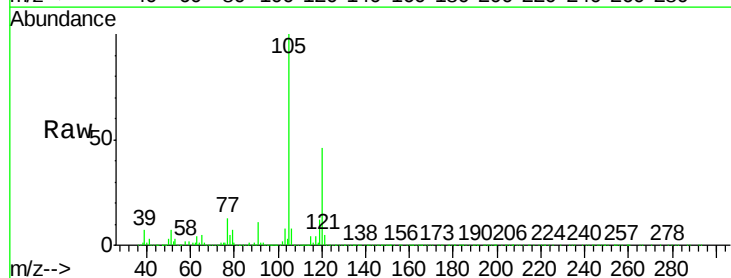
Manual Integrations
APPROVED

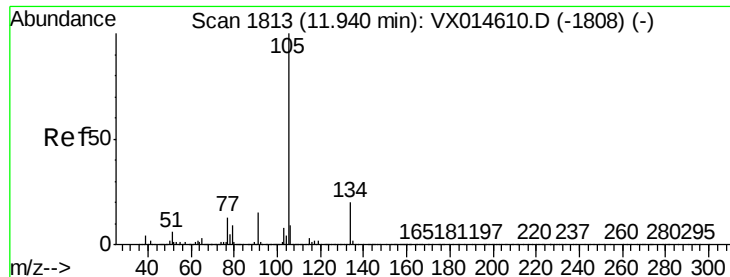
MMDadoda
1/27/2020 10:35:17 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.719 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	315080		
120	46.2		0.0	92.0





#81

sec-Butylbenzene

Concen: 18.780 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 348331

Ion Ratio Lower Upper

105 100

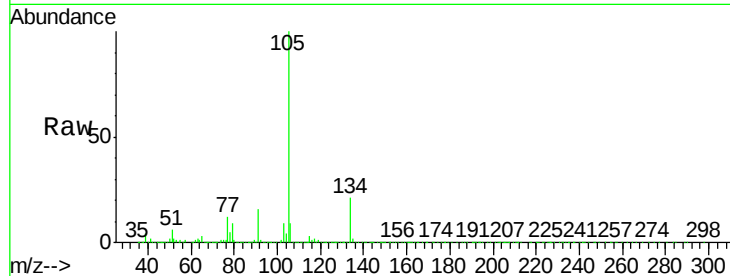
134 20.2 0.0 40.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

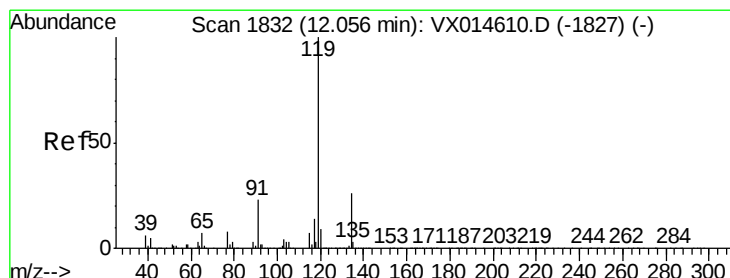
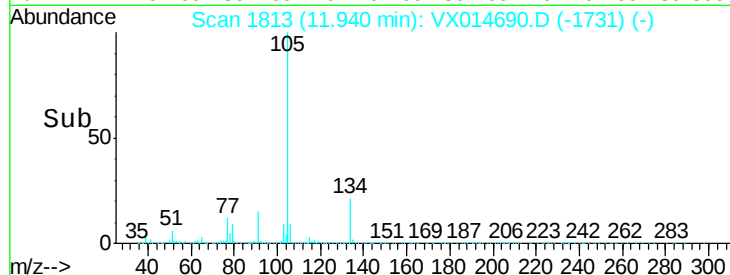
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.894 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014690.D

Acq: 24 Jan 2020 11:56

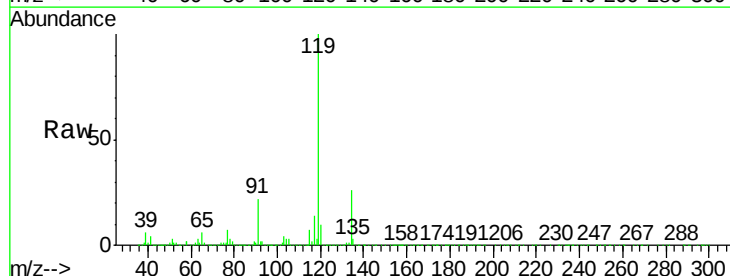
Tgt Ion:119 Resp: 319941

Ion Ratio Lower Upper

119 100

134 27.3 0.0 53.8

91 22.8 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

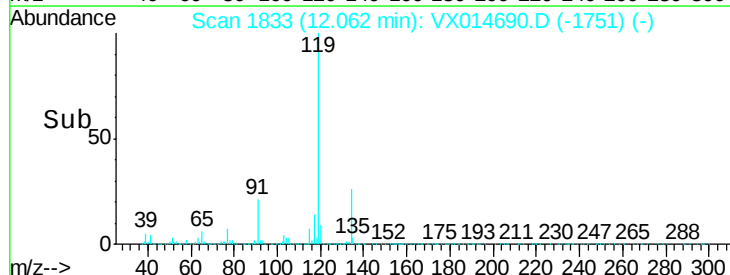
300000

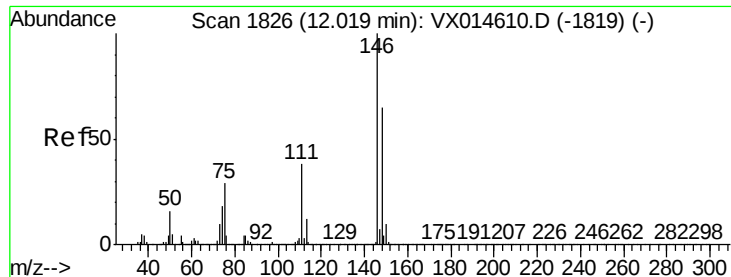
200000

100000

0

Time-->





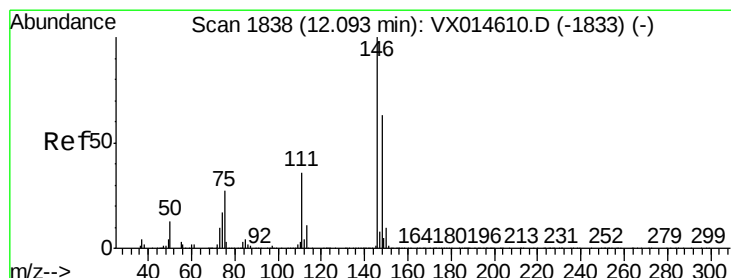
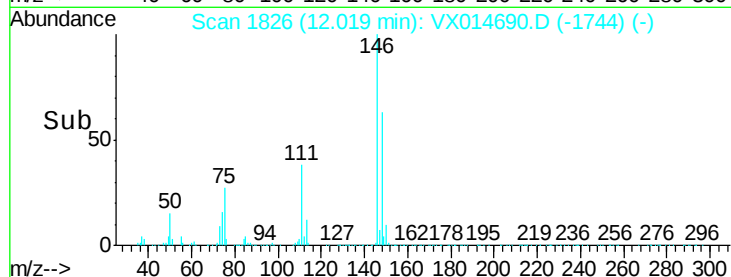
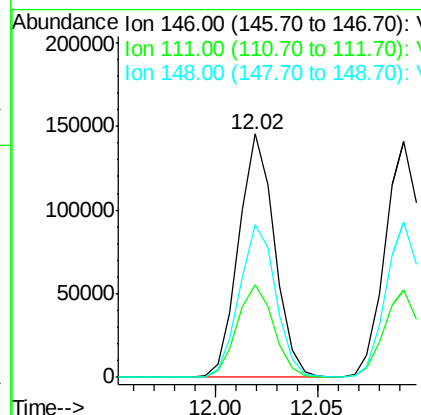
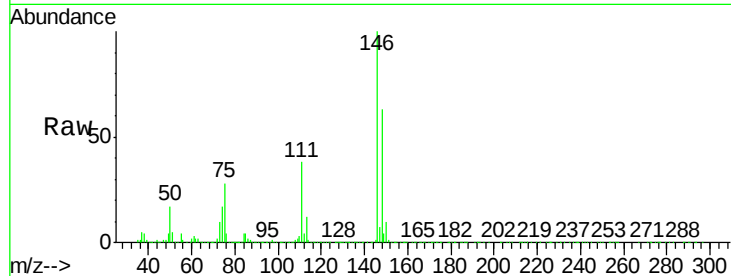
#83
 1,3-Dichlorobenzene
 Concen: 19.839 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.9	32.2	96.6

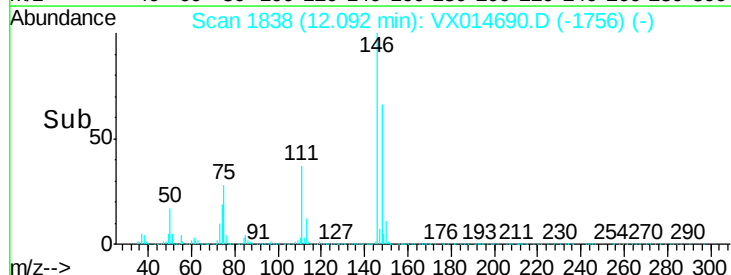
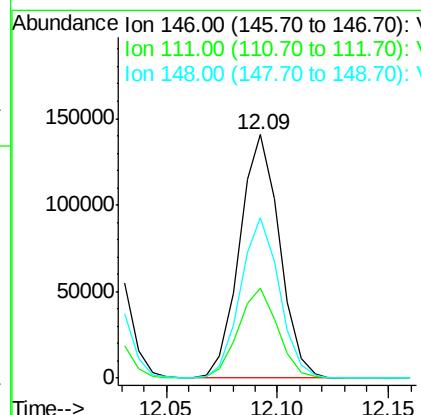
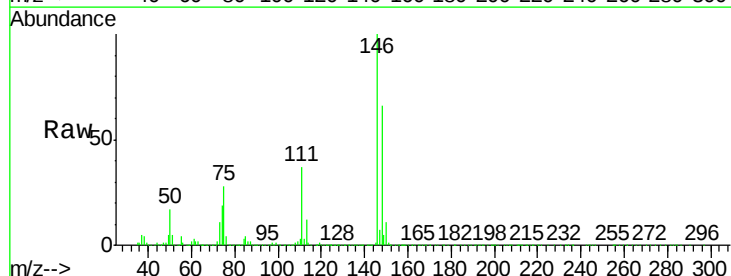
Manual Integrations
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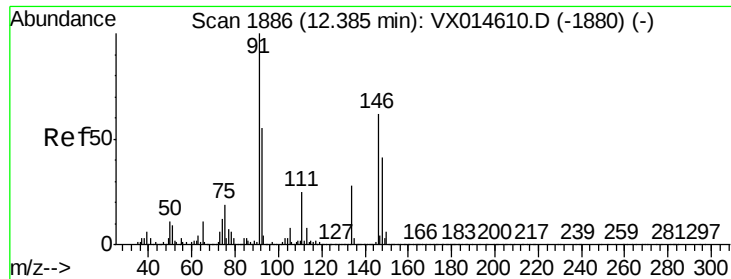
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#84
 1,4-Dichlorobenzene
 Concen: 19.909 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.4	55.4
148	64.2	32.0	96.0





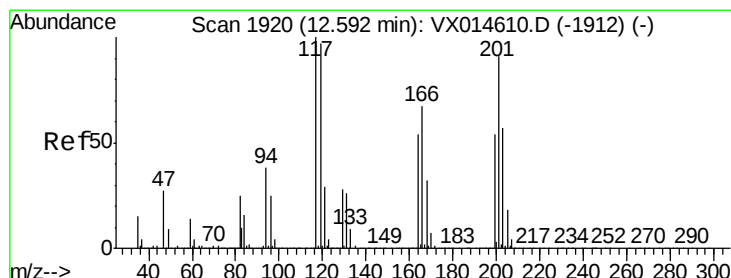
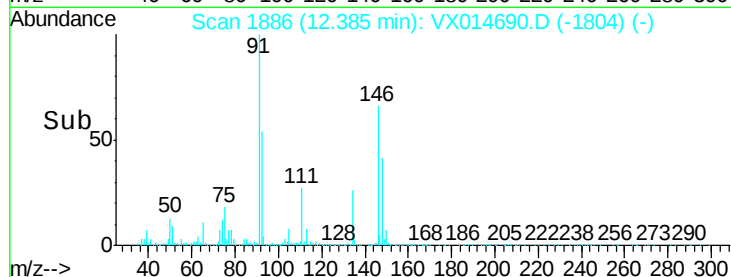
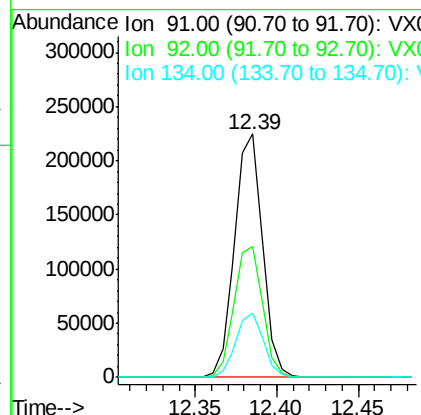
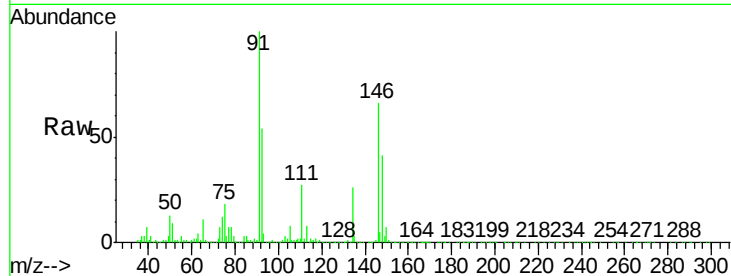
#85
n-Butylbenzene
Concen: 18.045 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	267347		
92	54.7	0.0	109.0	
134	26.0	0.0	54.0	

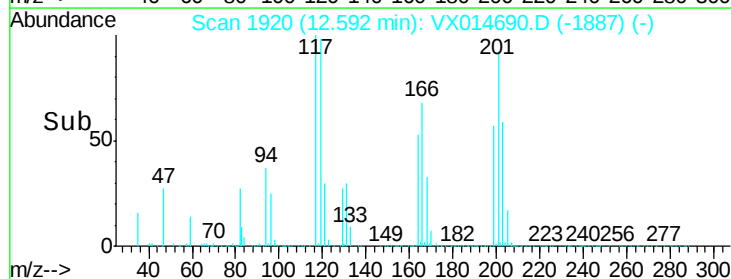
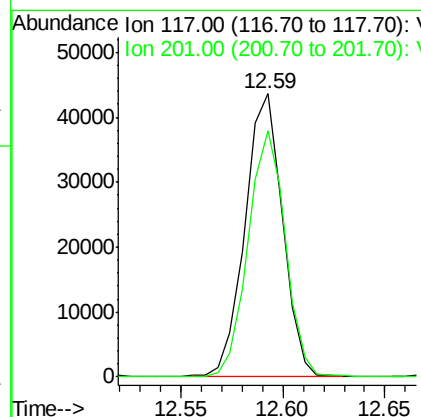
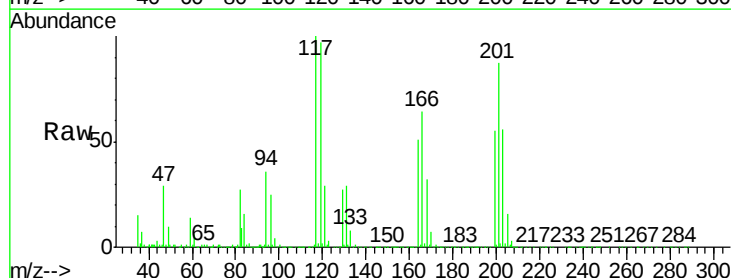
Manual Integrations
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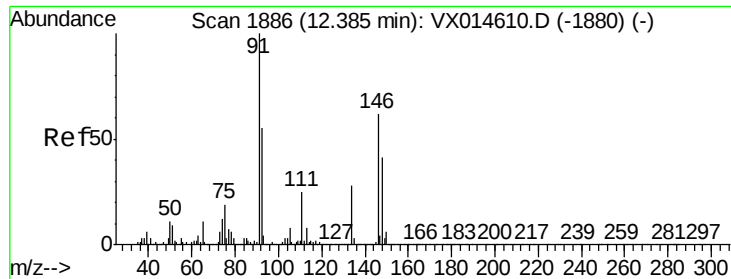
MMDadoda
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#86
Hexachloroethane
Concen: 18.443 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	56001		
201	85.8	44.8	134.3	





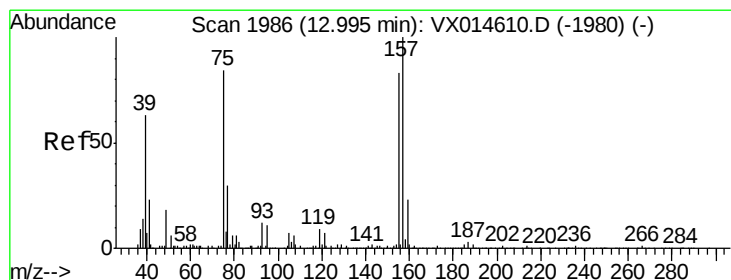
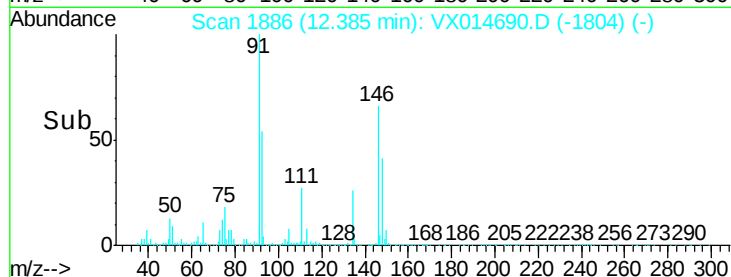
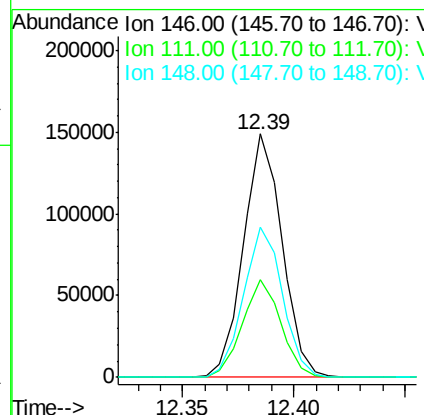
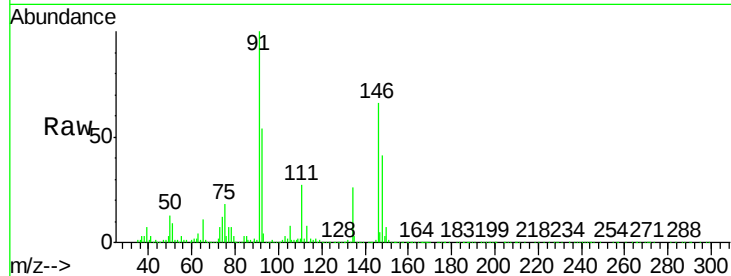
#87
 1,2-Dichlorobenzene
 Concen: 20.022 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	62.5	32.0	96.2

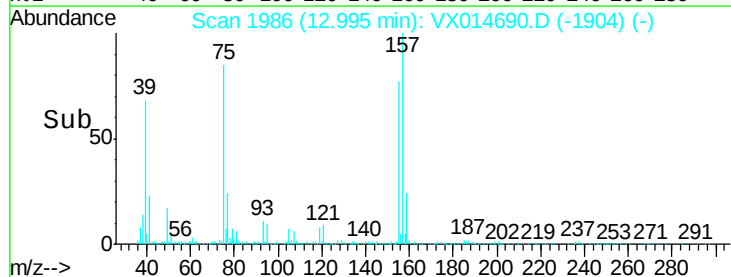
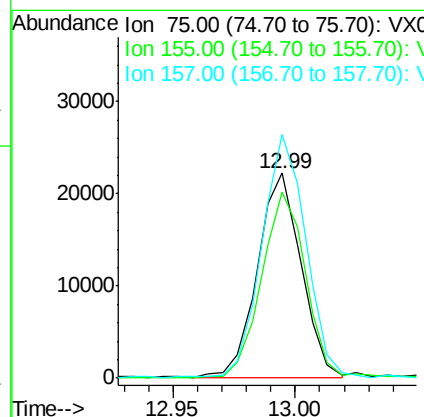
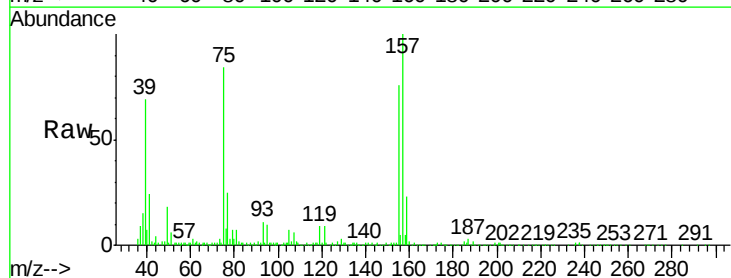
Manual Integrations
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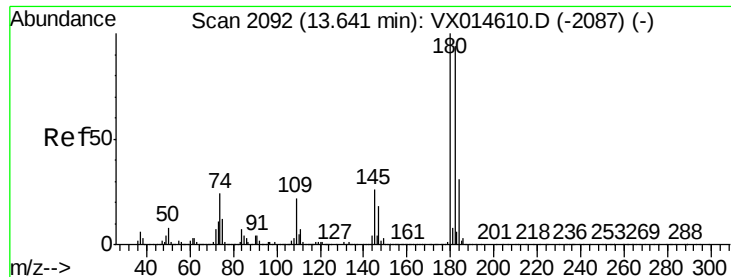
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.956 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	73.8	110.6
157	119.5	95.0	142.4





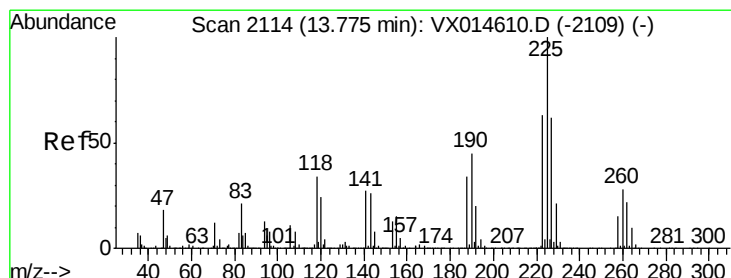
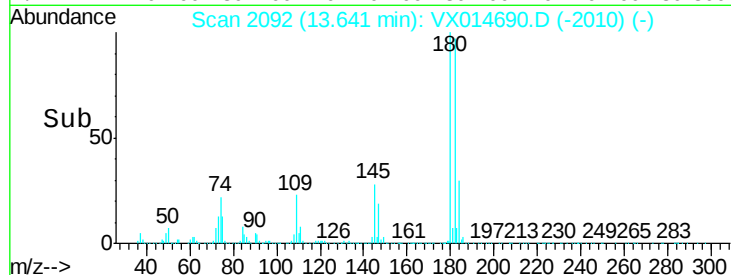
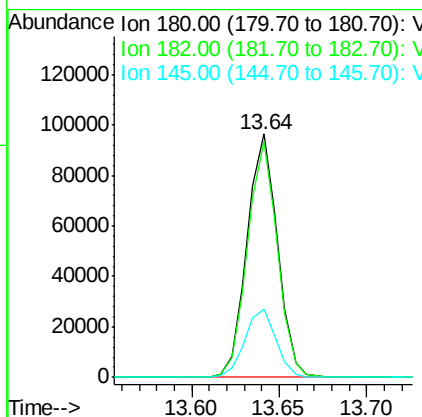
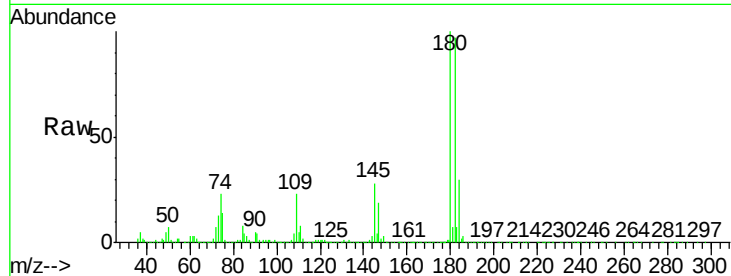
#89
 1,2,4-Trichlorobenzene
 Concen: 19.712 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116826		
182	95.2	76.4	114.6	
145	28.1	21.9	32.9	

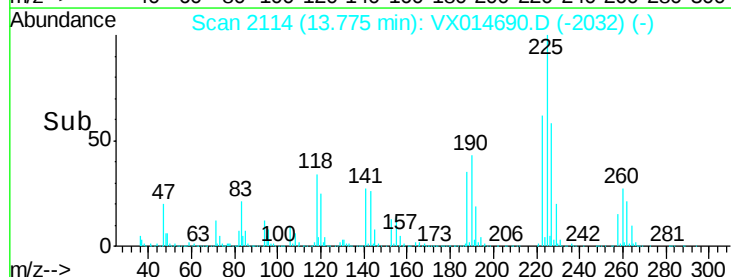
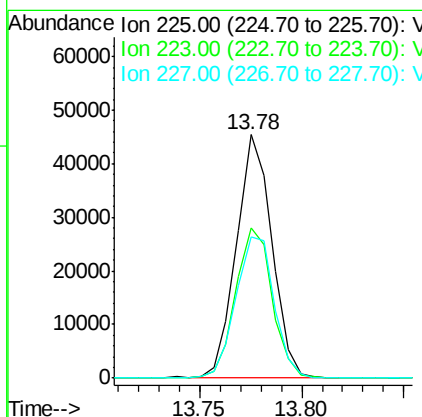
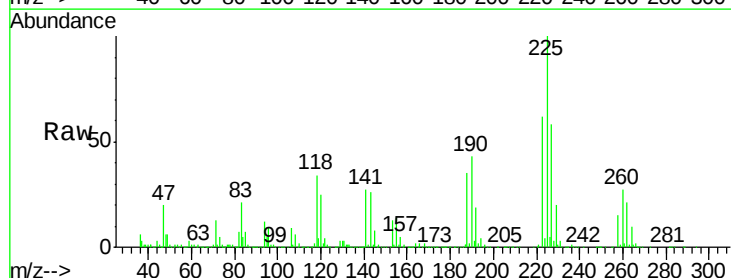
Manual Integrations
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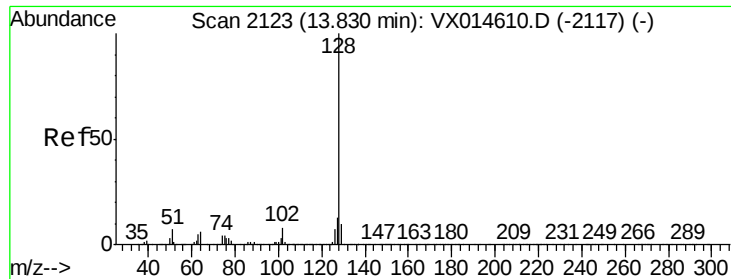
MMDadoda
 1/27/2020 10:35:17 AM



#90
 Hexachlorobutadiene
 Concen: 18.592 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014690.D
 Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55057		
223	63.3	0.0	127.4	
227	62.4	0.0	122.8	





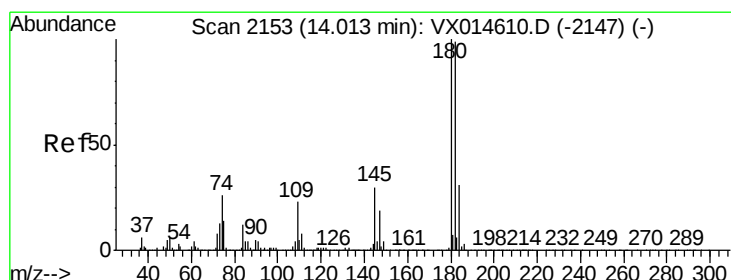
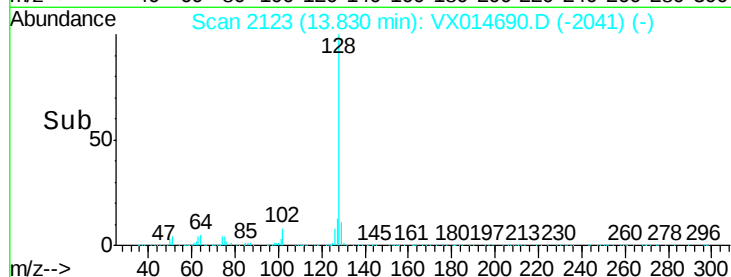
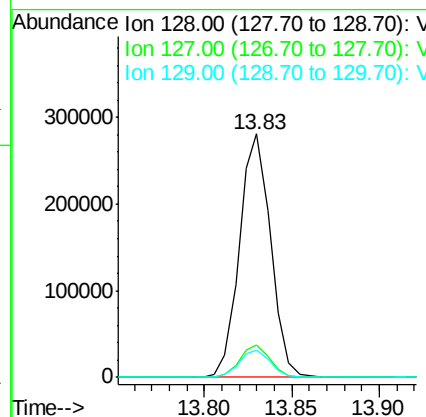
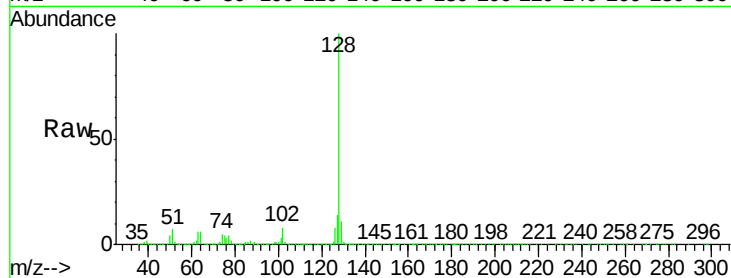
#91
Naphthalene
Concen: 19.333 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 20.001 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014690.D
Acq: 24 Jan 2020 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	192.8
145	29.6	0.0	60.0

