

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014628.D
 Acq On : 16 Jan 2020 10:07
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 11:23:20 AM

Quant Time: Jan 17 06:07:22 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	71822	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	397153	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	358846	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	155197	30.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.47%
60) 4-Bromofluorobenzene	11.13	95	174569	30.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.33%
63) Toluene-d8	8.71	98	495723	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	104602	21.074	ug/l 98
3) Chloromethane	1.32	50	111122	20.448	ug/l 97
4) Vinyl Chloride	1.40	62	126217	20.685	ug/l 98
5) Bromomethane	1.64	94	65445	17.188	ug/l 96
6) Chloroethane	1.72	64	70646	20.538	ug/l 99
7) Trichlorofluoromethane	1.93	101	137040	20.284	ug/l 97
8) Diethyl Ether	2.18	74	59144	20.042	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	84060	21.266	ug/l 98
10) 1,1-Dichloroethene	2.37	96	80145	20.158	ug/l 95
11) Methyl Iodide	2.50	142	100088	18.771	ug/l 99
12) Methyl Acetate	2.76	43	141922	19.760	ug/l 97
13) Acrolein	2.28	56	65422	86.718	ug/l 94
14) Acrylonitrile	3.13	53	238357	96.987	ug/l 99
15) Acetone	2.43	58	91915	111.560	ug/l 81
16) Carbon Disulfide	2.56	76	214562	19.649	ug/l 99
17) Allyl chloride	2.72	41	140522	19.097	ug/l 95
18) Methylene Chloride	2.85	84	94086	20.220	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	86377	20.181	ug/l 95
20) Diisopropyl ether	3.84	45	292537	20.094	ug/l 92
21) 1,1-Dichloroethane	3.69	63	156798	19.826	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	97312	19.786	ug/l 97
23) tert-Butyl Alcohol	3.02	59	93776	92.265	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	261096	19.732	ug/l 99
25) Chloroform	5.20	83	154525	20.170	ug/l 96
26) Cyclohexane	5.57	56	144881	19.860	ug/l 99
29) 1,1-Dichloropropene	5.79	75	117354	20.148	ug/l 99
30) 2-Butanone	4.65	43	381282	103.338	ug/l 99
31) 2,2-Dichloropropane	4.57	77	122841	19.711	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	128319	19.913	ug/l 99
33) Carbon Tetrachloride	5.78	117	108891	19.683	ug/l 98
34) Benzene	6.13	78	357718	19.875	ug/l 99
35) Methacrylonitrile	5.03	41	68261	18.524	ug/l 95
36) 1,2-Dichloroethane	6.19	62	123984	19.795	ug/l 99
37) Trichloroethene	7.20	130	98517	19.991	ug/l 93
38) Methylcyclohexane	7.45	83	146209	20.161	ug/l 99
39) 1,2-Dichloropropane	7.50	63	93949	20.073	ug/l 96
40) Dibromomethane	7.65	93	60567	20.136	ug/l 98

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 1/17/2020 11:23:20 AM

Quant Time: Jan 17 06:07:22 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)
41) Bromodichloromethane	7.89	83	115052	19.533	ug/l	98
42) Vinyl Acetate	3.80	43	1113276	97.894	ug/l	99
43) Ethyl Acetate	4.81	43	127811	19.136	ug/l	99
44) Isopropyl Acetate	6.43	43	205725	19.093	ug/l	100
45) 1,4-Dioxane	7.73	88	42622	395.450	ug/l	98
46) Methyl methacrylate	7.76	41	100855	19.034	ug/l	98
47) n-amyl Acetate	10.89	43	166510	18.443	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	124091	19.296	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	140010	19.322	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	91182	19.922	ug/l	95
51) Ethyl methacrylate	9.17	69	133317	18.707	ug/l	97
52) 1,3-Dichloropropane	9.36	76	153576	19.804	ug/l	99
53) Dibromochloromethane	9.57	129	92093	19.672	ug/l	97
54) 1,2-Dibromoethane	9.67	107	93900	19.782	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	317875	97.057	ug/l	99
56) Bromoform	10.85	173	67000	18.580	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	660075	97.678	ug/l	100
59) 2-Hexanone	9.48	43	529643	101.342	ug/l	99
61) Tetrachloroethene	9.33	164	106316	20.045	ug/l	97
62) Toluene	8.78	91	385903	20.270	ug/l	99
64) Chlorobenzene	10.13	112	238584	20.074	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	86074	19.609	ug/l	100
66) Ethyl Benzene	10.25	91	417236	20.120	ug/l	98
67) m/p-Xylenes	10.36	106	317977	40.032	ug/l	97
68) o-Xylene	10.70	106	152487	19.714	ug/l	99
69) Styrene	10.71	104	259122	19.772	ug/l	98
70) Isopropylbenzene	11.01	105	408678	20.168	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	131034	19.197	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	114348m	19.585	ug/l	
73) Bromobenzene	11.25	156	106411	19.810	ug/l	99
74) n-propylbenzene	11.35	91	465688	20.112	ug/l	98
75) 2-Chlorotoluene	11.42	91	280023	20.179	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	337962	20.016	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	40389	17.974	ug/l	96
78) 4-Chlorotoluene	11.51	91	315527	20.021	ug/l	98
79) tert-butylbenzene	11.76	119	314492	19.906	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	344875	20.479	ug/l	100
81) sec-Butylbenzene	11.94	105	397711	20.343	ug/l	98
82) p-Isopropyltoluene	12.06	119	360970	20.225	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	189453	20.199	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	189183	20.345	ug/l	98
85) n-Butylbenzene	12.39	91	307730	19.707	ug/l	99
86) Hexachloroethane	12.59	117	60499	18.903	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	189469	20.021	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27394	18.788	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	123283	19.736	ug/l	98
90) Hexachlorobutadiene	13.78	225	62315	19.965	ug/l	97
91) Naphthalene	13.83	128	358729	19.025	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	126440	19.886	ug/l	98

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Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
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1/17/2020 11:23:20 AM

Quant Time: Jan 17 06:07:22 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

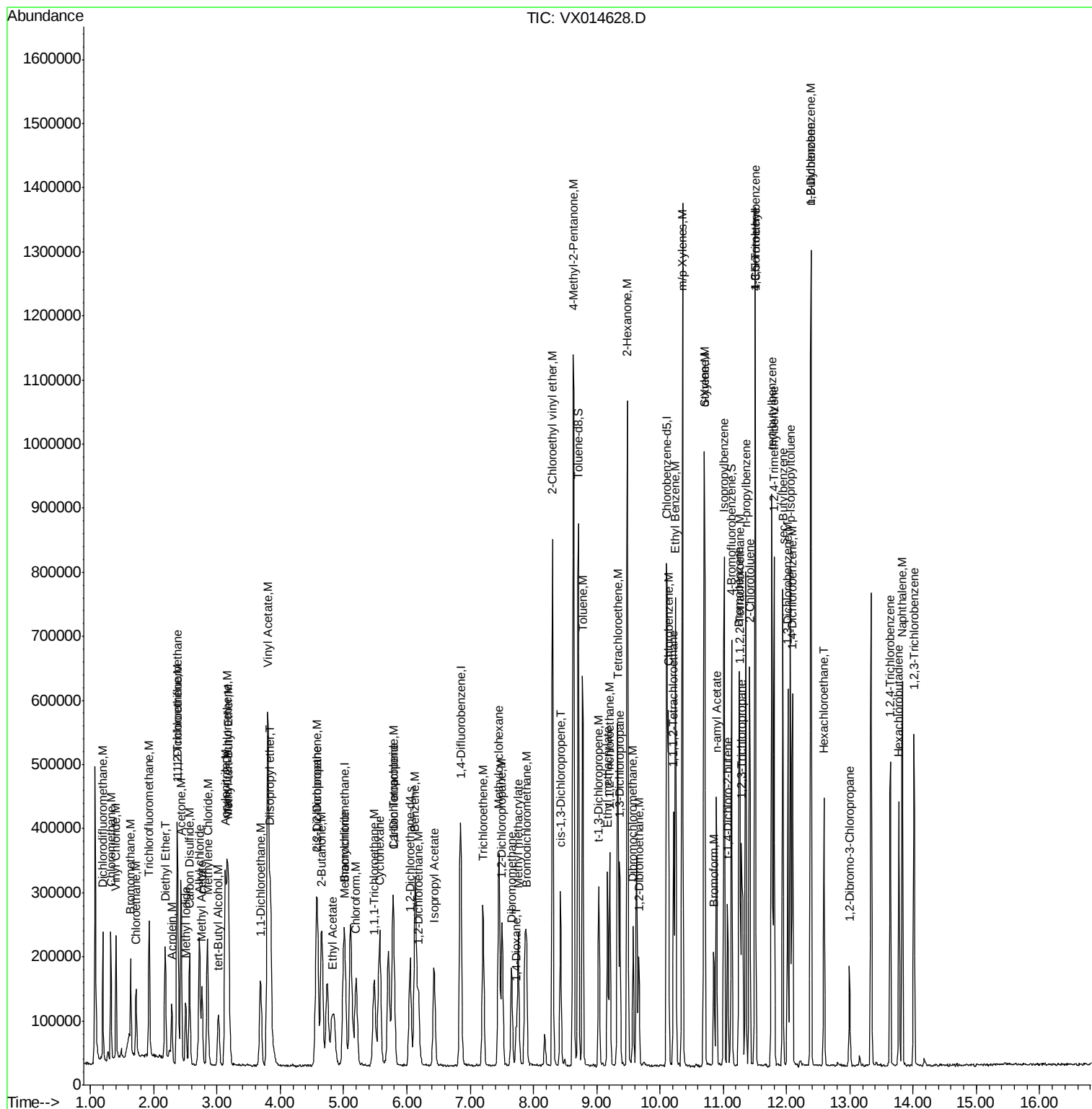
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Data File : VX014628.D
Acq On : 16 Jan 2020 10:07
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

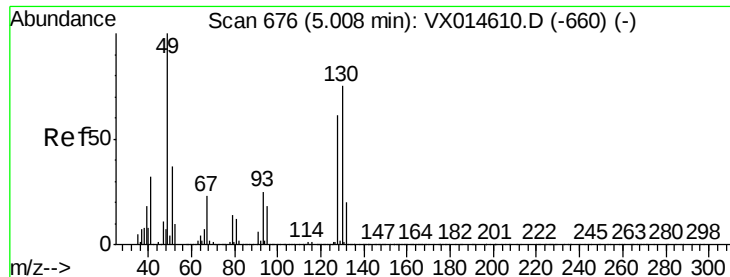
Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

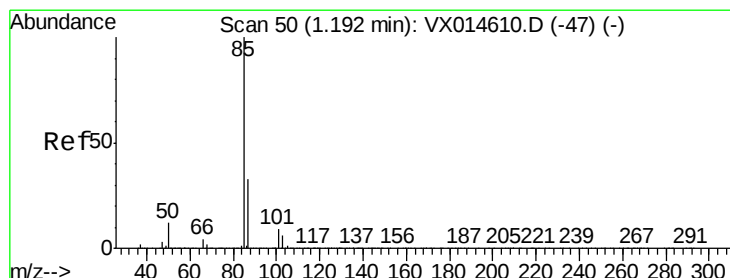
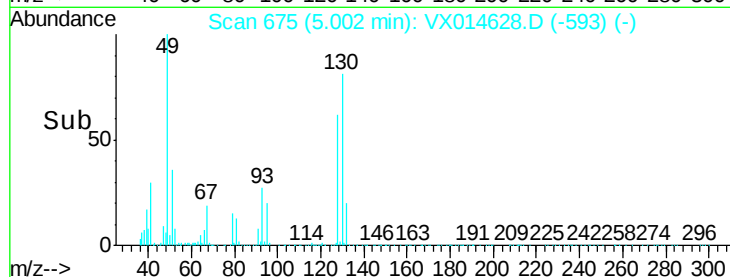
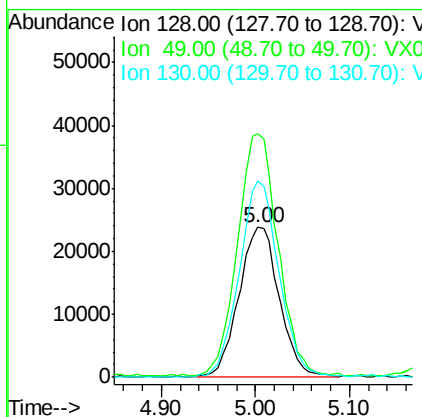
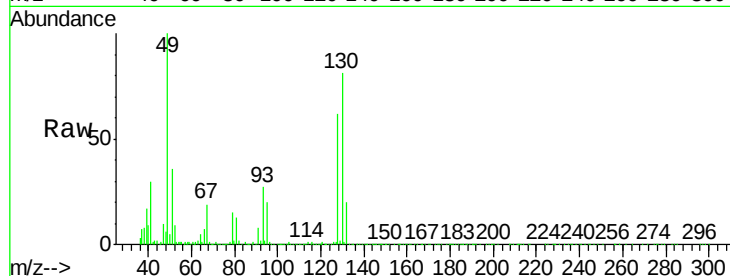
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	161.4	0.0	405.0
130	128.5	0.0	321.5

Manual Integrations
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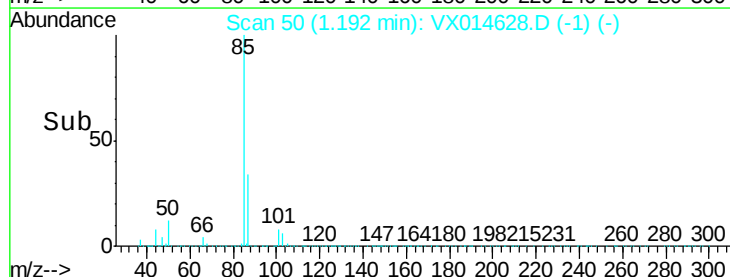
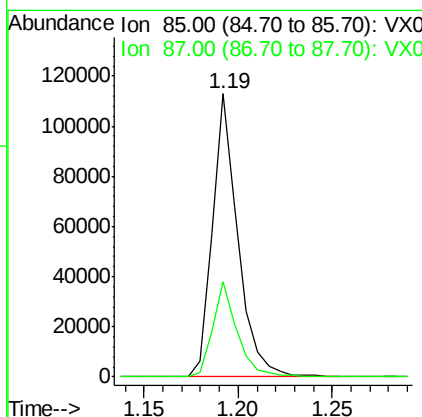
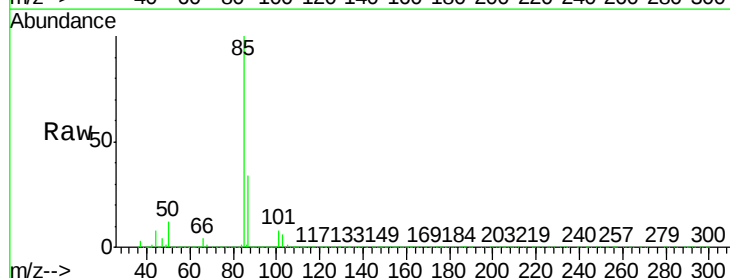
MMDadoda
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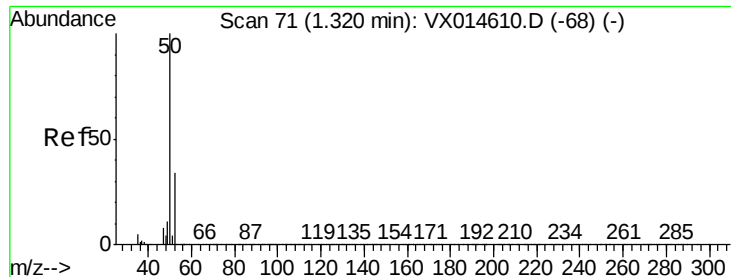


#2

Dichlorodifluoromethane
Concen: 21.074 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.3	48.9





#3

Chloromethane

Concen: 20.448 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 111122

Ion Ratio Lower Upper

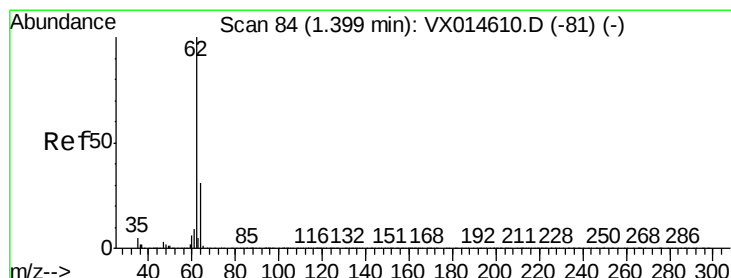
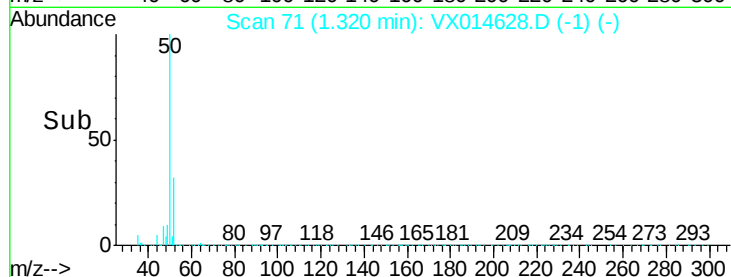
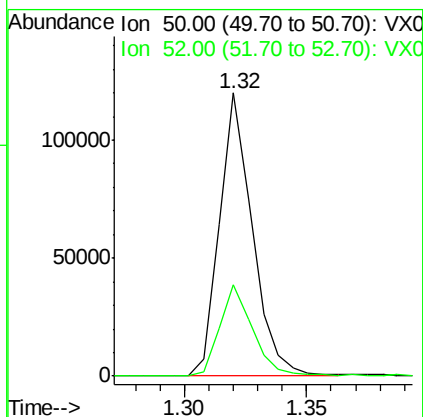
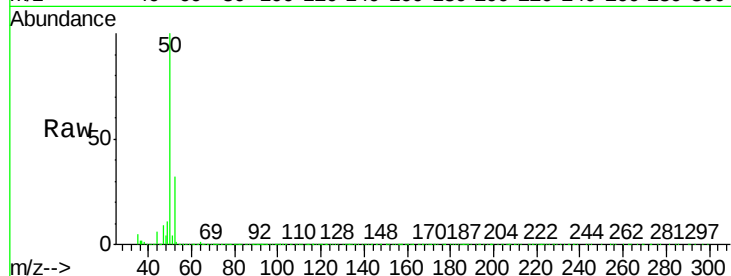
50 100

52 32.2 24.3 36.5

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#4

Vinyl Chloride

Concen: 20.685 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014628.D

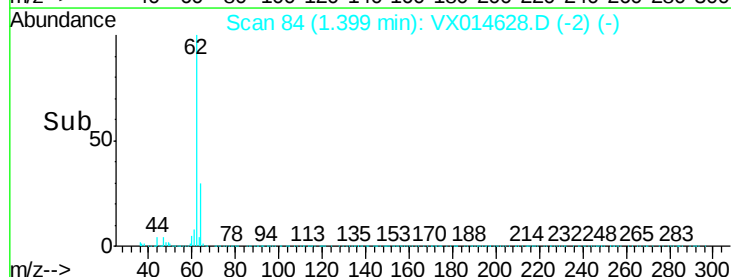
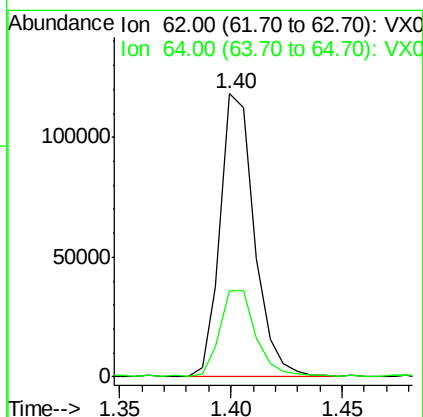
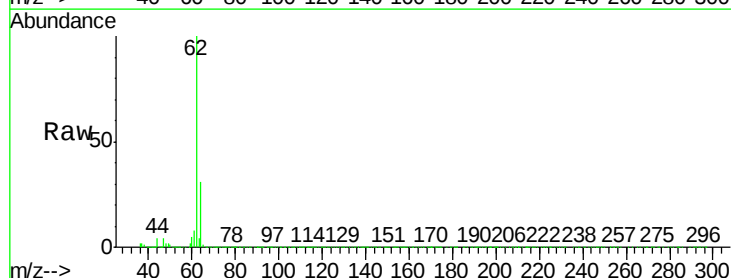
Acq: 16 Jan 2020 10:07

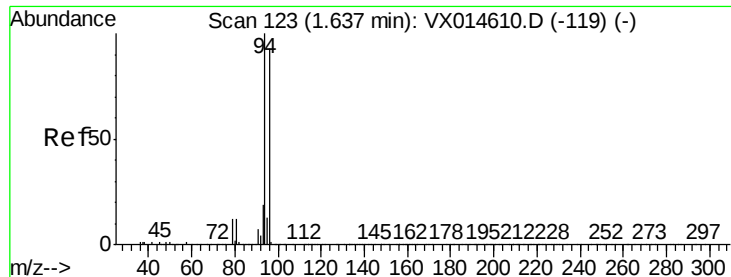
Tgt Ion: 62 Resp: 126217

Ion Ratio Lower Upper

62 100

64 30.4 25.2 37.8





#5

Bromomethane

Concen: 17.188 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 65445

Ion Ratio Lower Upper

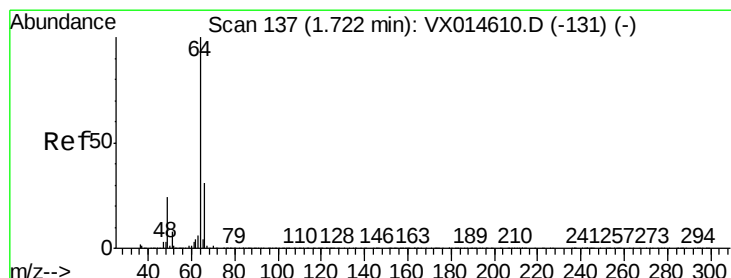
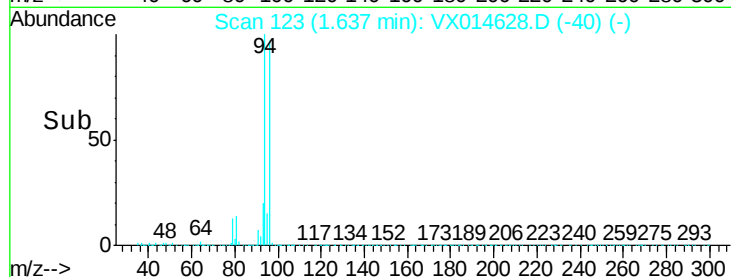
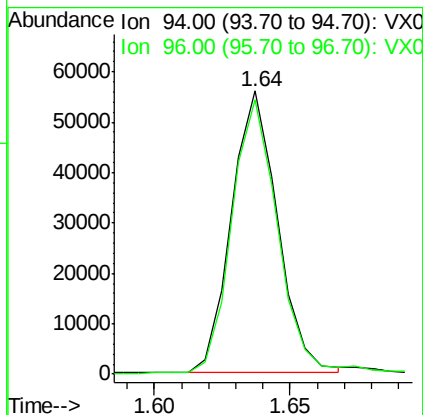
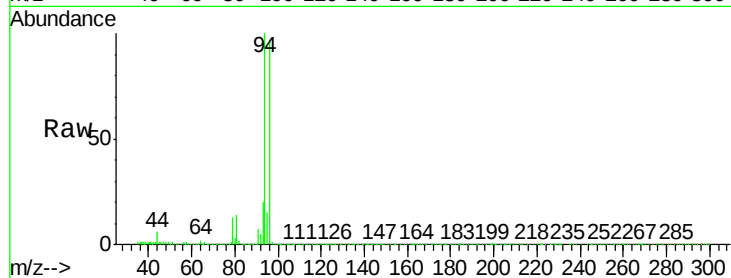
94 100

96 96.7 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 20.538 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014628.D

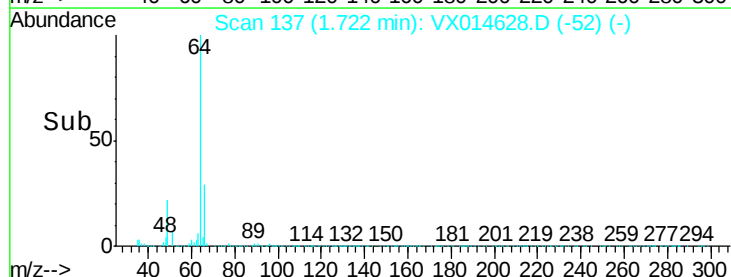
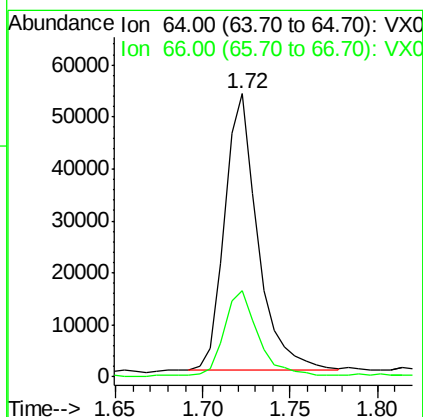
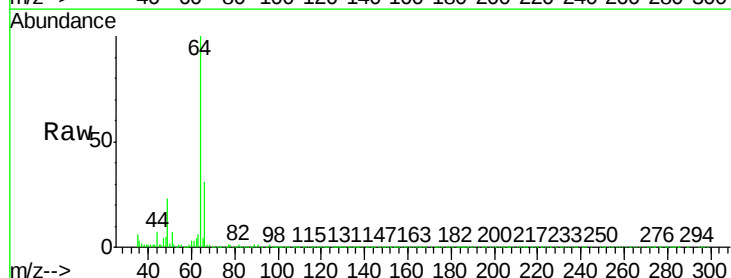
Acq: 16 Jan 2020 10:07

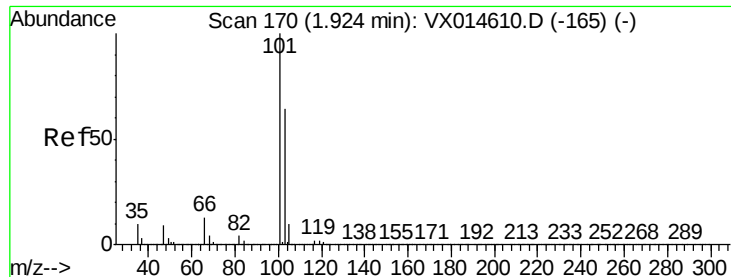
Tgt Ion: 64 Resp: 70646

Ion Ratio Lower Upper

64 100

66 30.9 25.2 37.8





#7

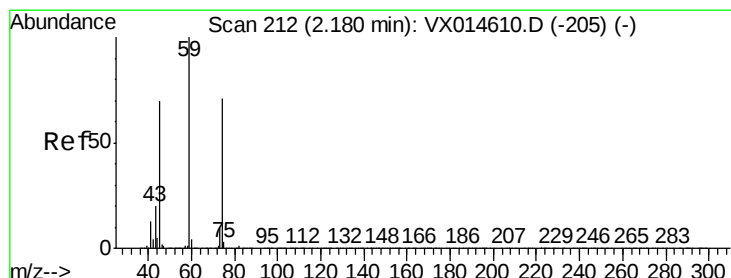
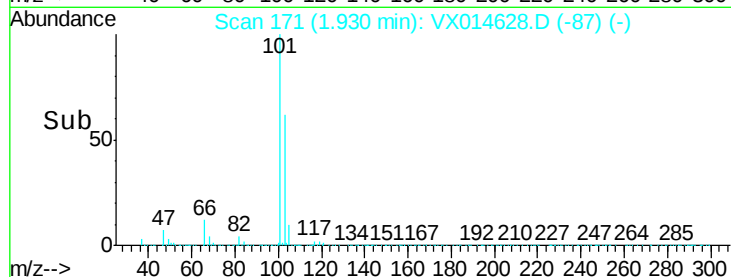
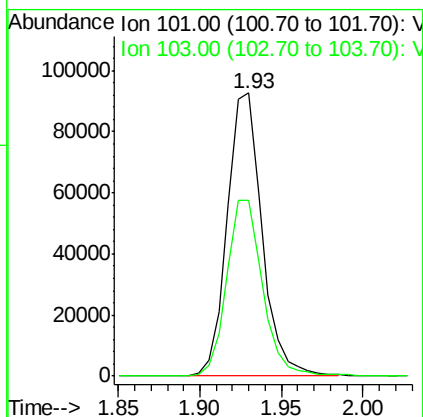
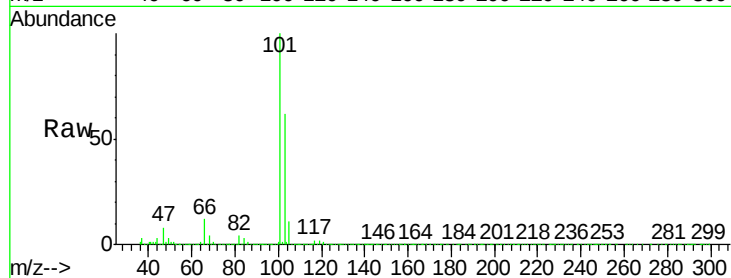
Trichlorofluoromethane
Concen: 20.284 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.6	77.4

Manual Integrations
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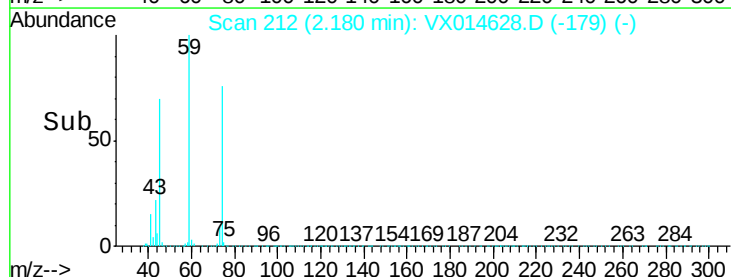
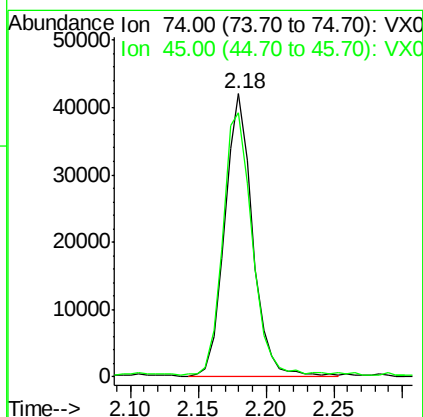
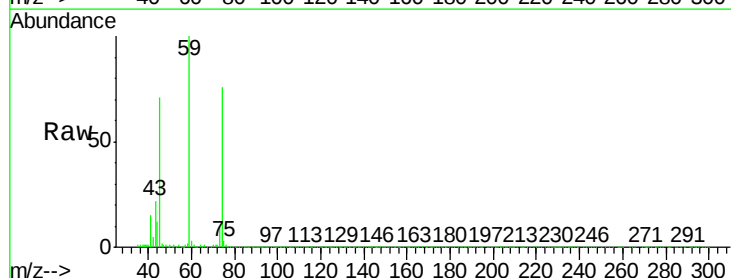
MMDadoda
1/17/2020 11:23:20 AM

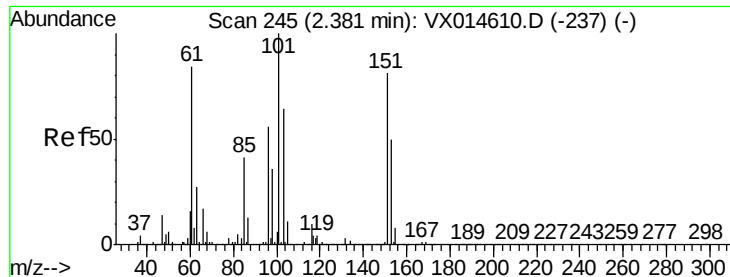


#8

Diethyl Ether
Concen: 20.042 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.266 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

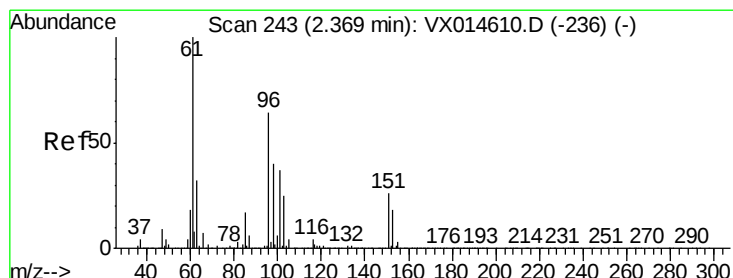
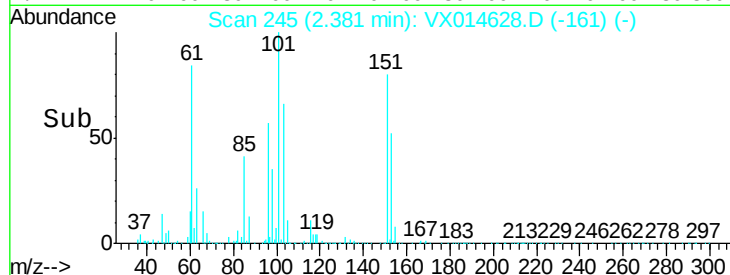
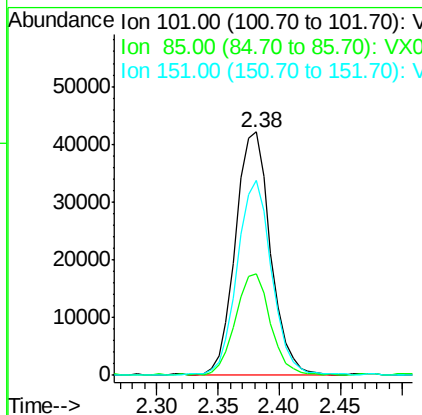
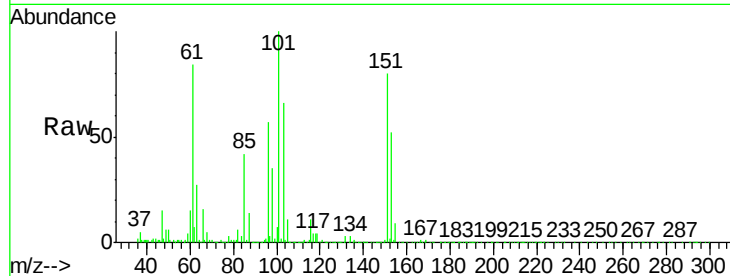
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	84060
Ion Ratio	Lower	Upper	
101	100		
85	40.7	0.0	85.6
151	78.2	0.0	159.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.158 ug/l

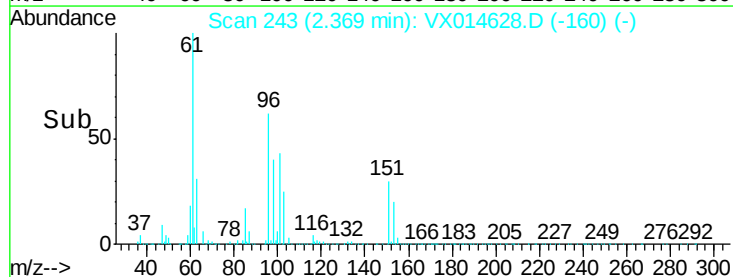
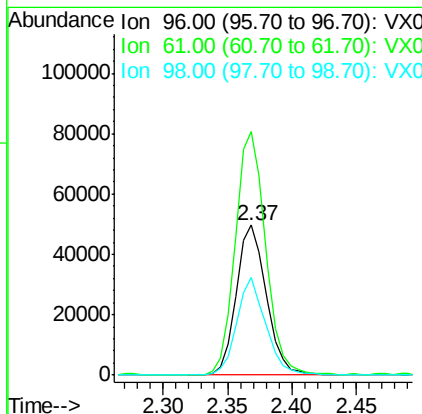
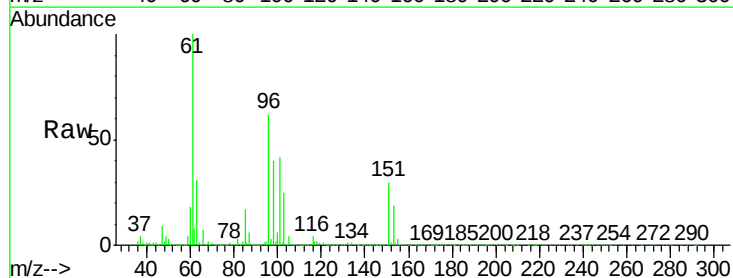
RT: 2.37 min Scan# 243

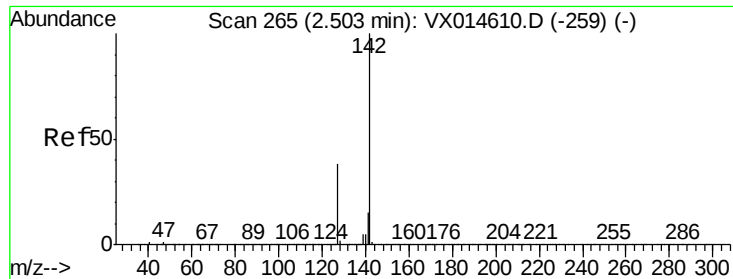
Delta R.T. 0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion:	96	Resp:	80145
Ion Ratio	Lower	Upper	
96	100		
61	162.4	123.0	184.6
98	65.3	51.4	77.0





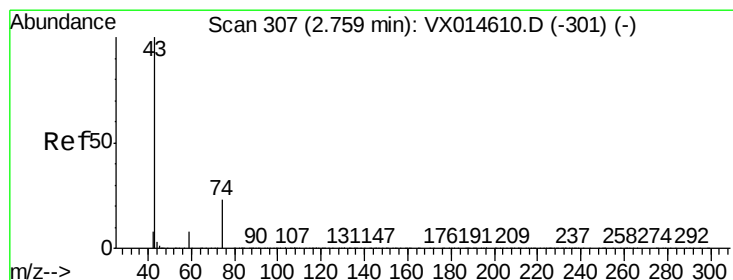
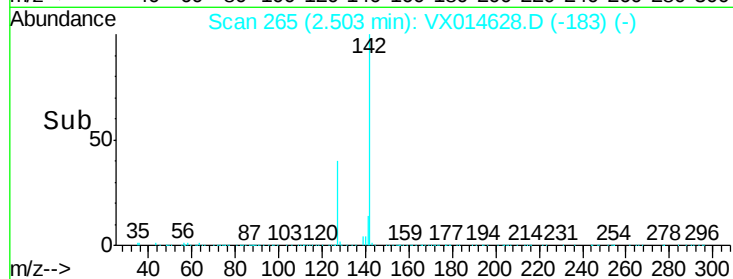
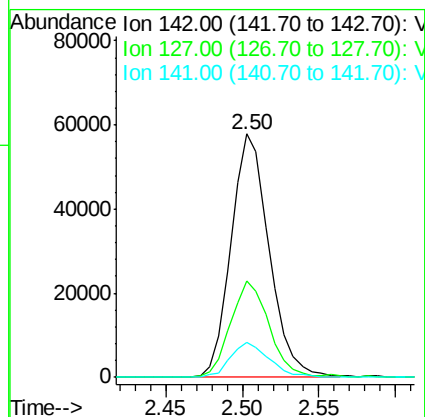
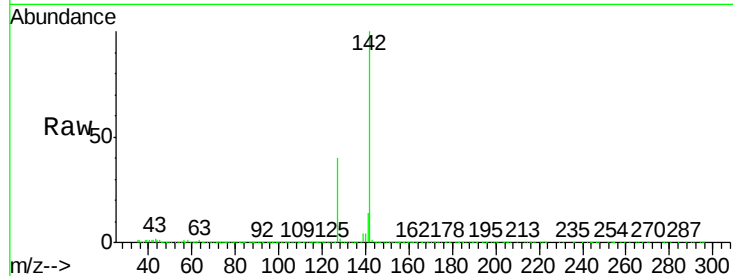
#11
Methvl Iodide
Concen: 18.771 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	19.5	58.5
141	14.1	7.0	20.9

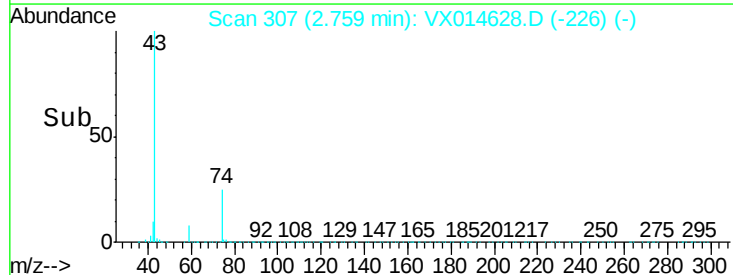
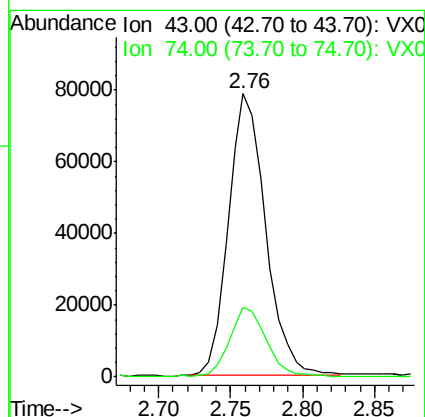
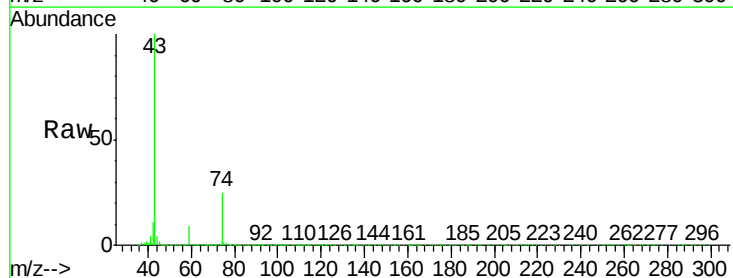
Manual Integrations
APPROVED

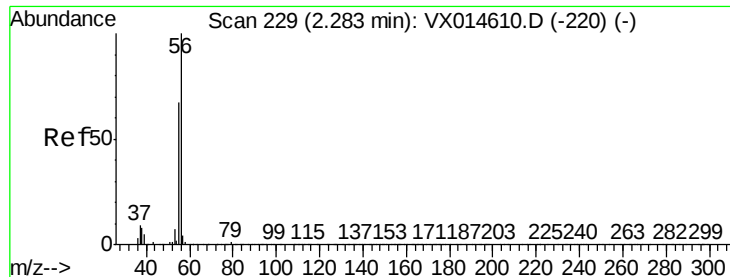
MMDadoda
1/17/2020 11:23:20 AM



#12
Methyl Acetate
Concen: 19.760 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.5	27.7





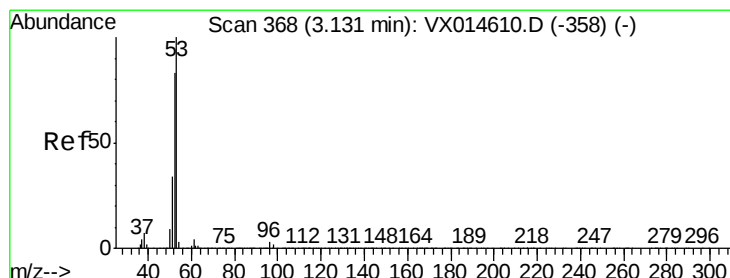
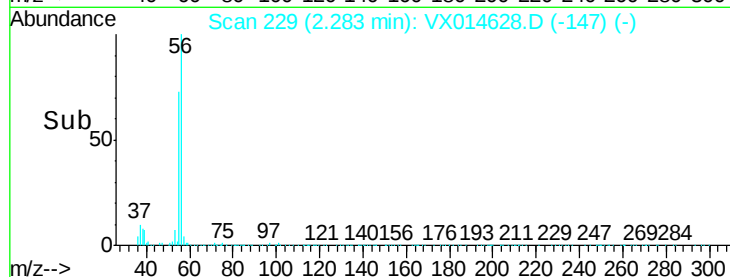
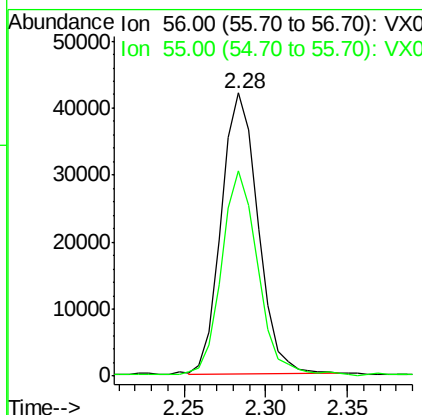
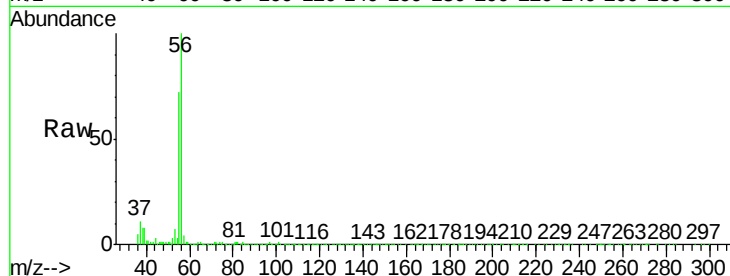
#13
Acrolein
Concen: 86.718 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.1	54.9	82.3	

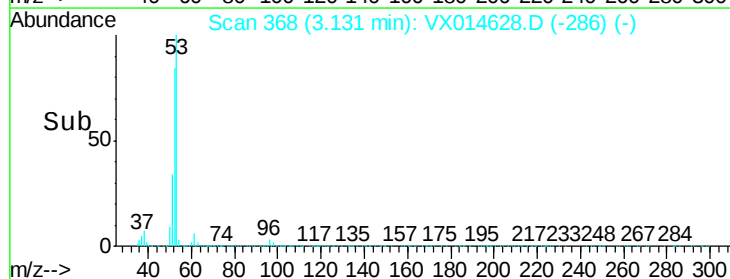
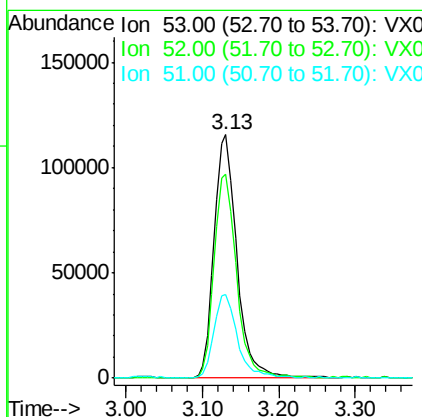
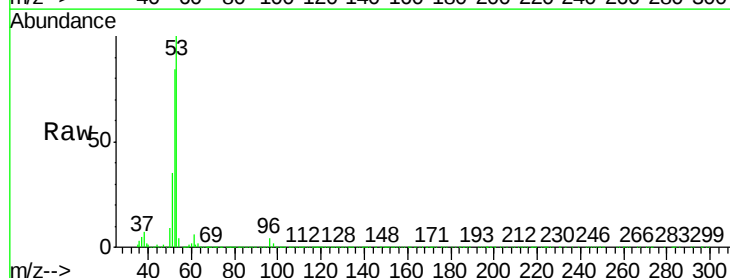
Manual Integrations
APPROVED

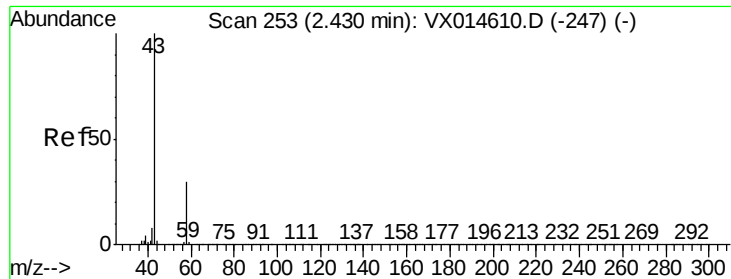
MMDadoda
1/17/2020 11:23:20 AM



#14
Acrylonitrile
Concen: 96.987 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.0	41.5	124.6	
51	35.3	17.8	53.5	





#15

Acetone

Concen: 111.560 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 91915

Ion Ratio Lower Upper

58 100

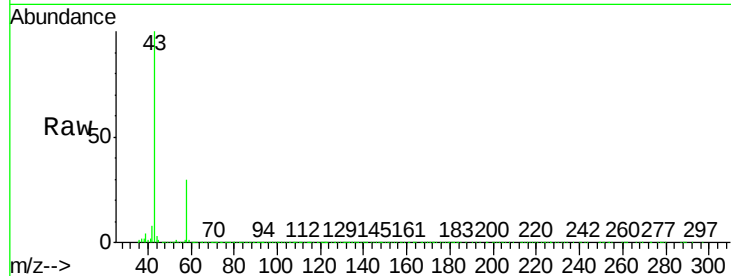
43 332.6 236.3 354.5

Manual Integrations

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MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

200000

150000

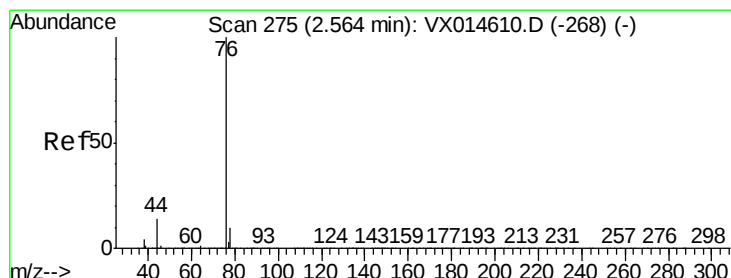
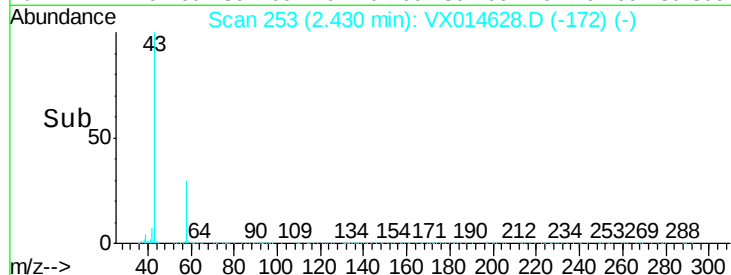
100000

50000

0

2.35 2.40 2.45 2.50

Time-->



#16

Carbon Disulfide

Concen: 19.649 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014628.D

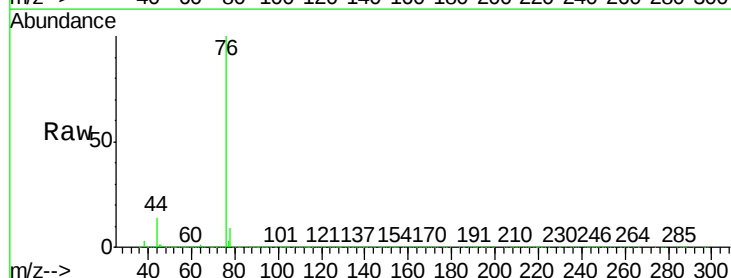
Acq: 16 Jan 2020 10:07

Tgt Ion: 76 Resp: 214562

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

150000

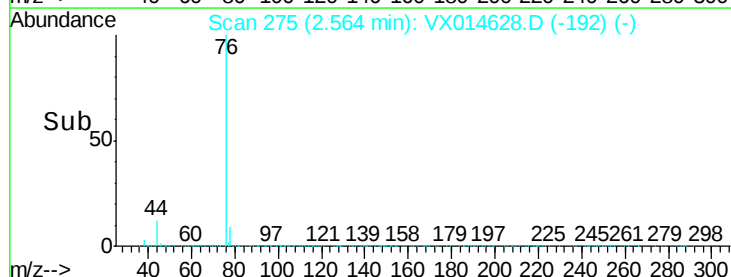
100000

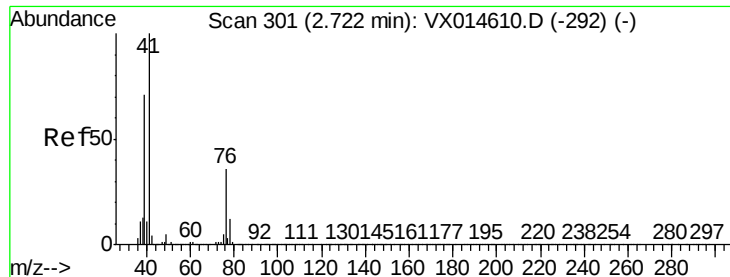
50000

0

2.50 2.55 2.60 2.65

Time-->





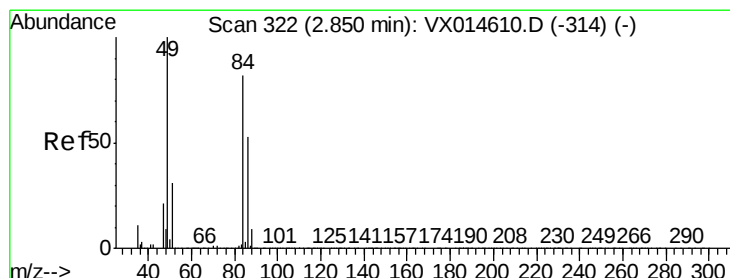
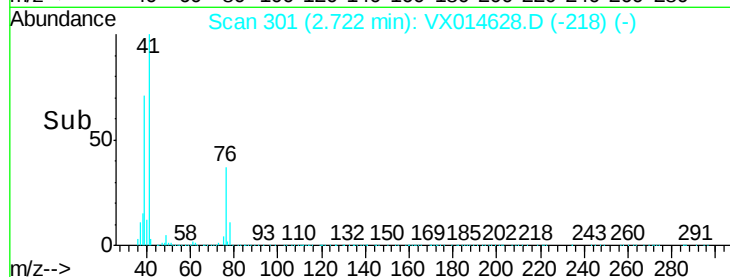
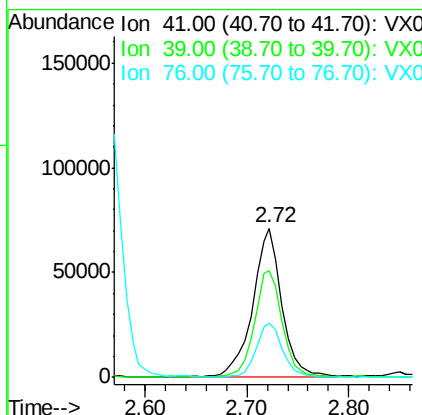
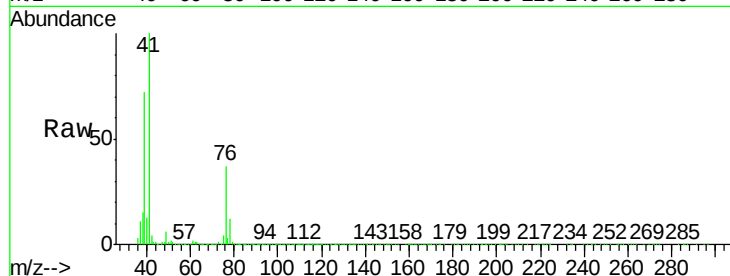
#17
Allvl chloride
Concen: 19.097 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.3	33.4	100.2
76	36.3	17.0	50.9

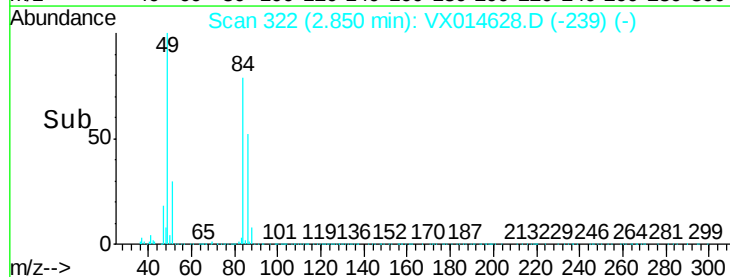
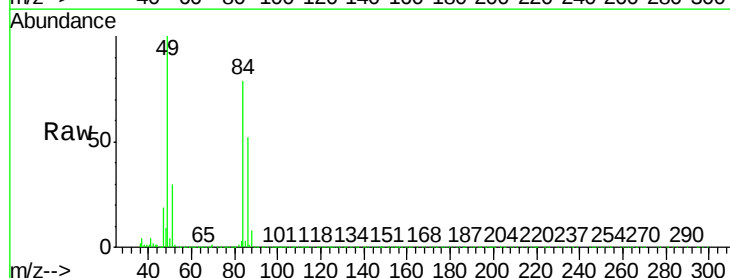
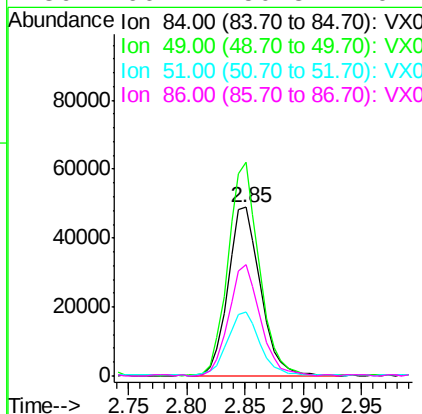
Manual Integrations
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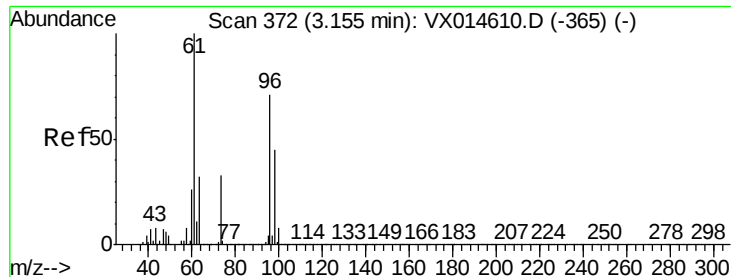
MMDadoda
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#18
Methylene Chloride
Concen: 20.220 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	102.2	153.2
51	38.0	31.4	47.0
86	66.2	50.8	76.2





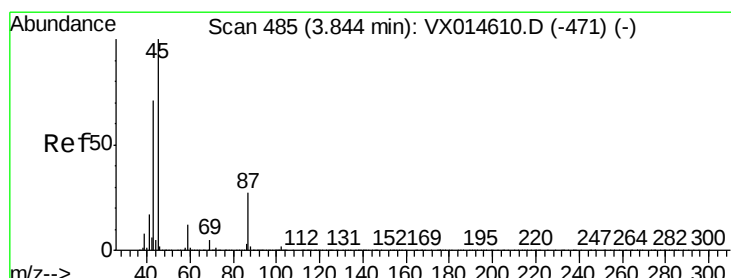
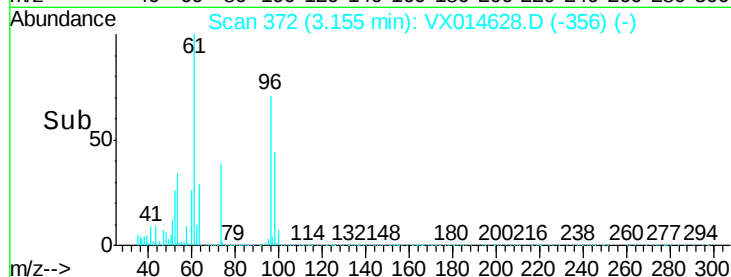
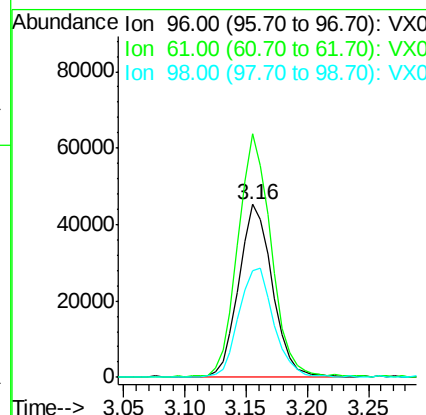
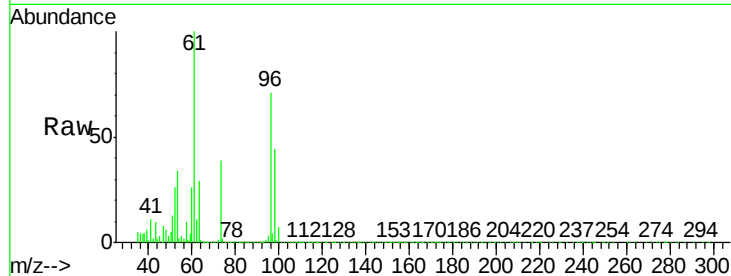
#19
trans-1,2-Dichloroethene
Concen: 20.181 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	106.6	159.8
98	62.0	51.6	77.4

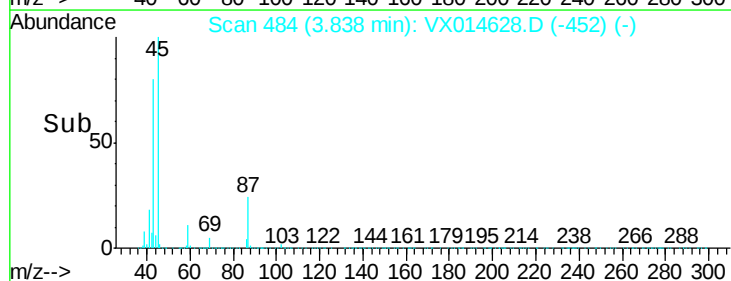
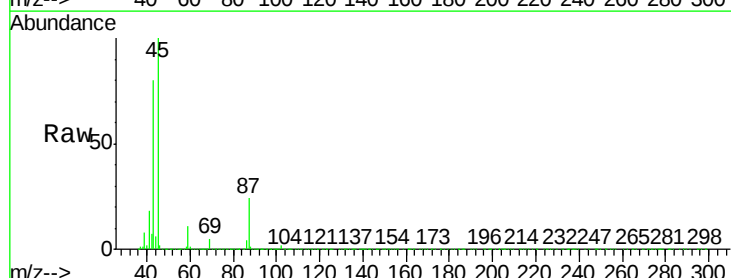
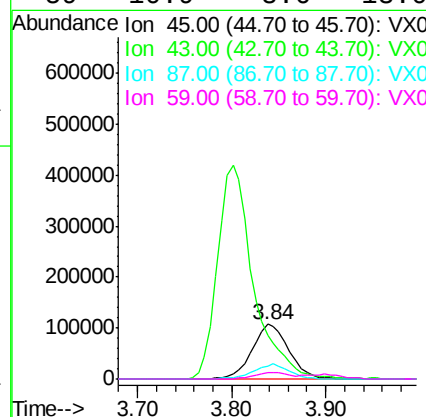
Manual Integrations
APPROVED

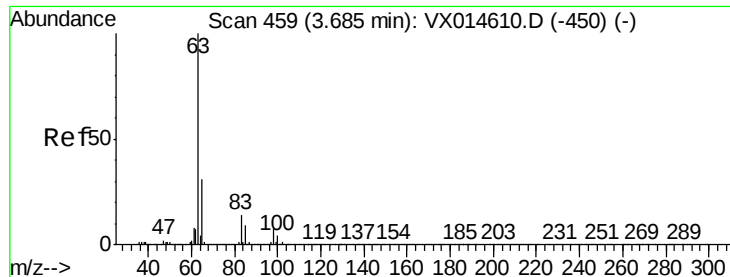
MMDadoda
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#20
Diisopropyl ether
Concen: 20.094 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.5	55.9	83.9
87	23.6	22.2	33.2
59	10.9	8.6	13.0





#21

1,1-Dichloroethane

Concen: 19.826 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

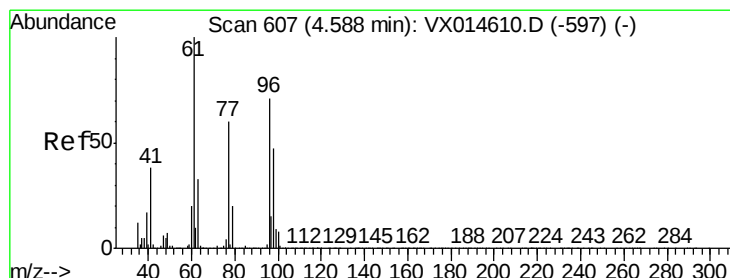
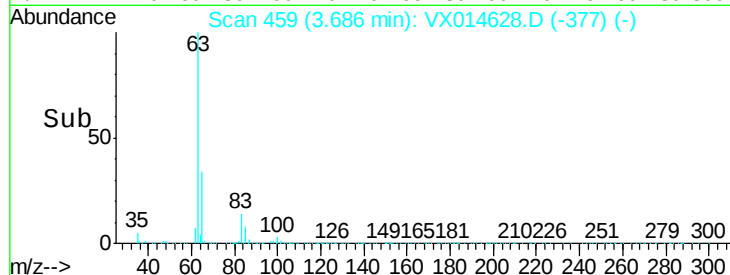
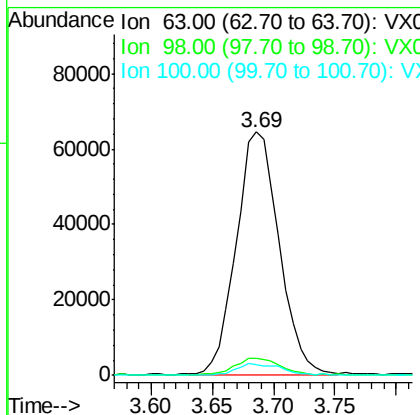
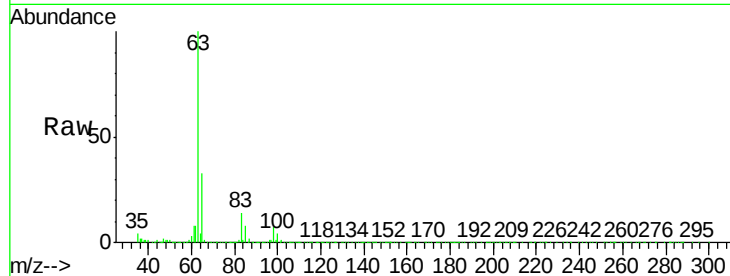
ClientSampleId :

VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	100		156798		
98	6.8	3.4	10.1		
100	4.0	2.5	7.4		

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.786 ug/l

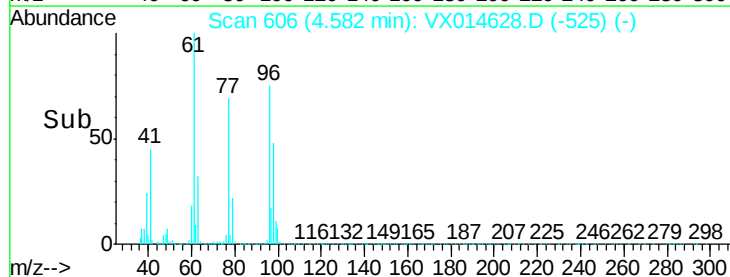
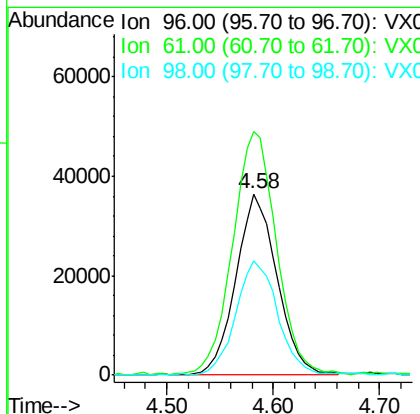
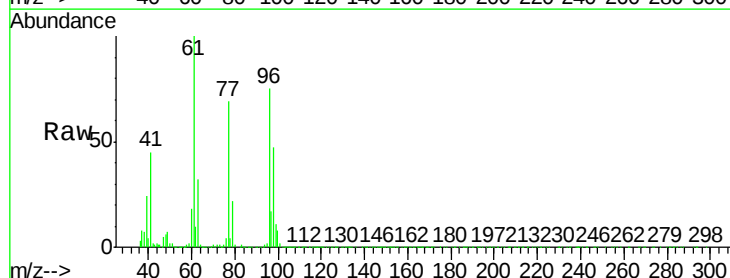
RT: 4.58 min Scan# 606

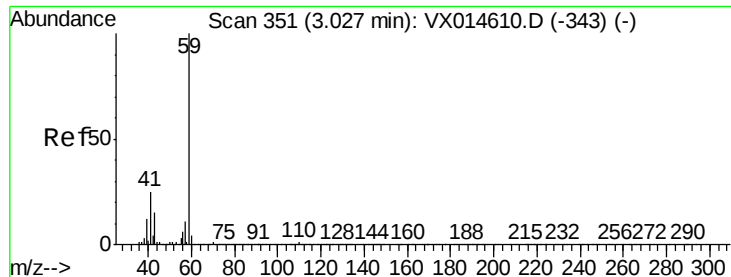
Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		97312		
61	144.3	112.4	168.6		
98	64.0	50.3	75.5		





#23

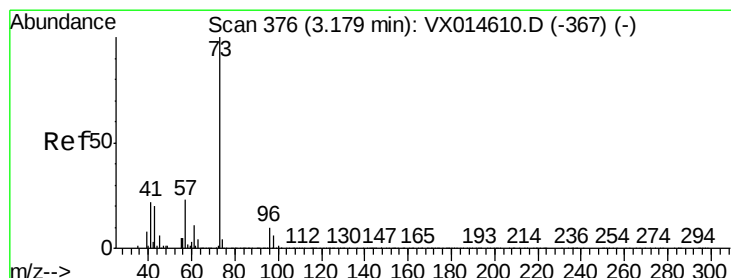
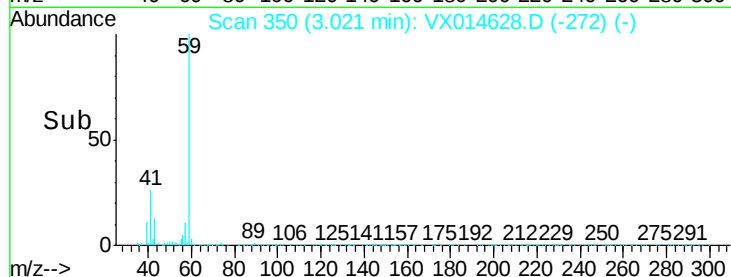
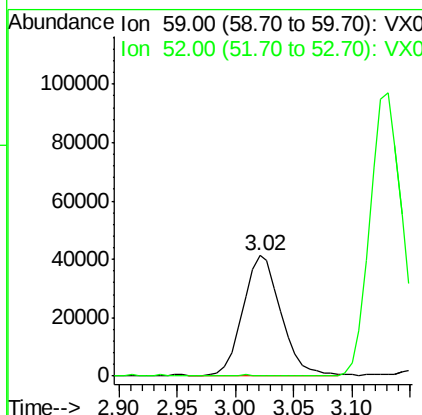
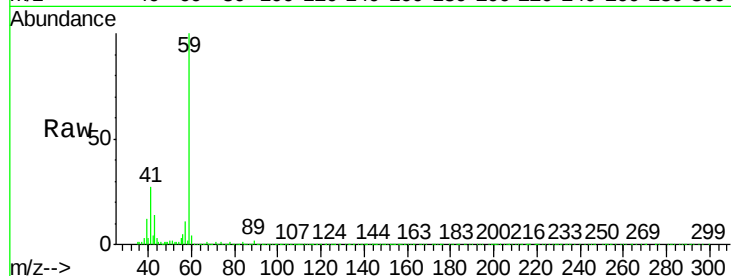
tert-Butyl Alcohol
Concen: 92.265 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.8	0.2	0.2#

Manual Integrations
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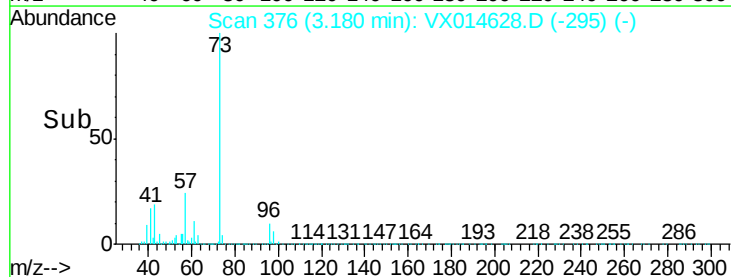
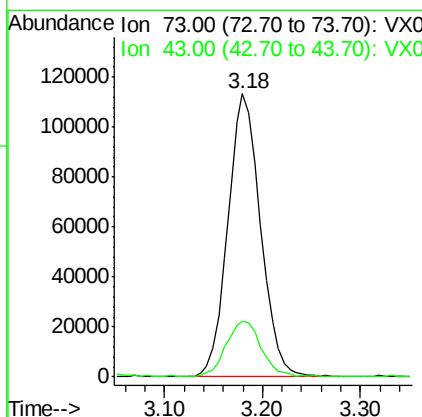
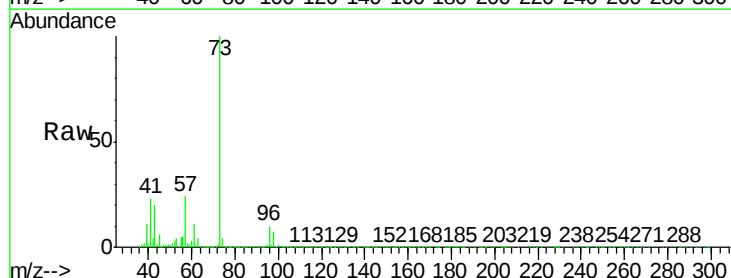
MMDadoda
1/17/2020 11:23:20 AM

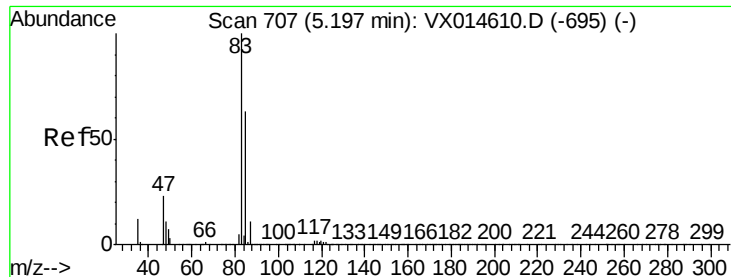


#24

Methyl tert-Butyl Ether
Concen: 19.732 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.6	25.0





#25

Chloroform

Concen: 20.170 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 154525

Ion Ratio Lower Upper

83 100

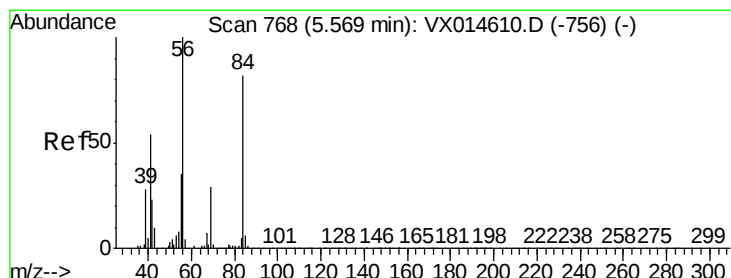
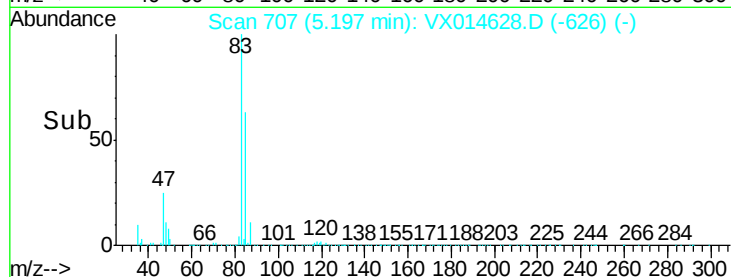
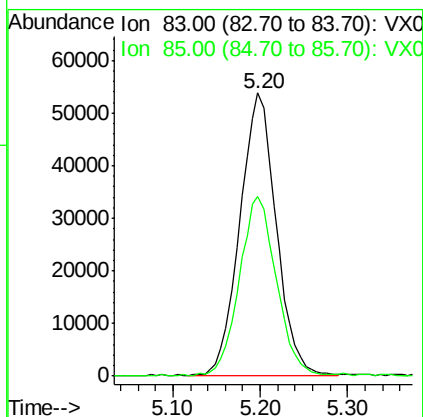
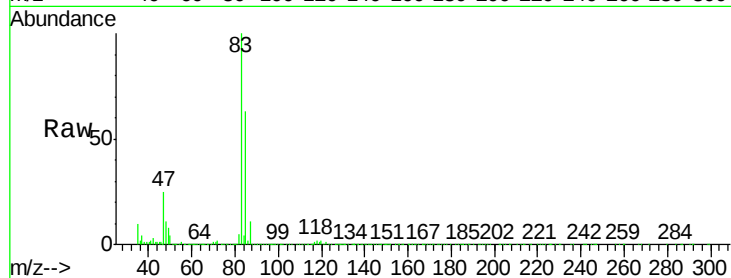
85 63.1 52.7 79.1

Manual Integrations

APPROVED

MMDadoda

1/17/2020 11:23:20 AM



#26

Cyclohexane

Concen: 19.860 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

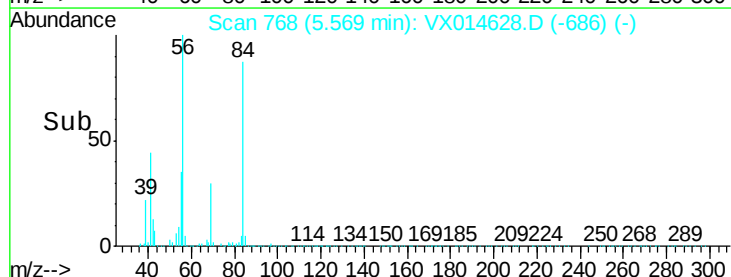
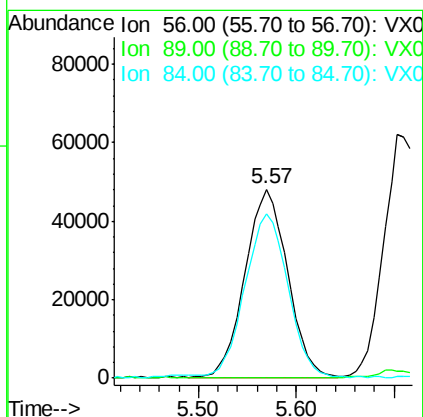
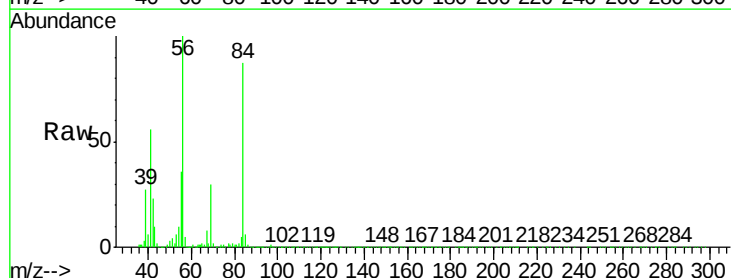
Tgt Ion: 56 Resp: 144881

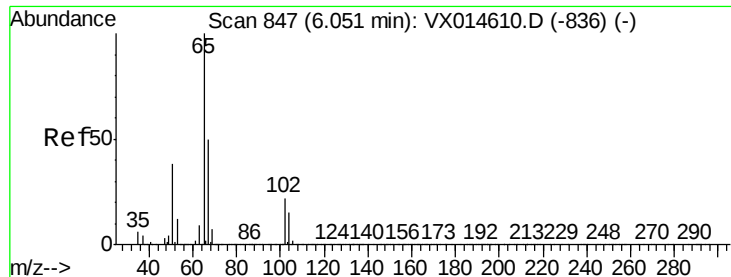
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 87.4 70.8 106.2





#27

1,2-Dichloroethane-d4

Concen: 30.743 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

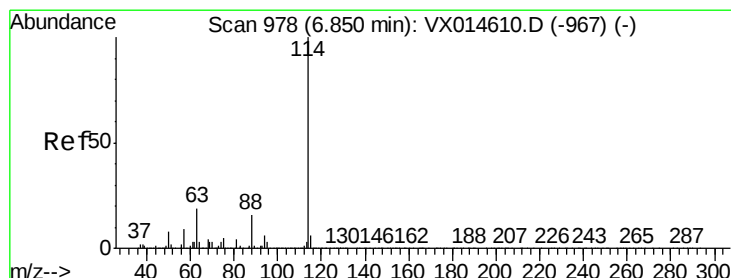
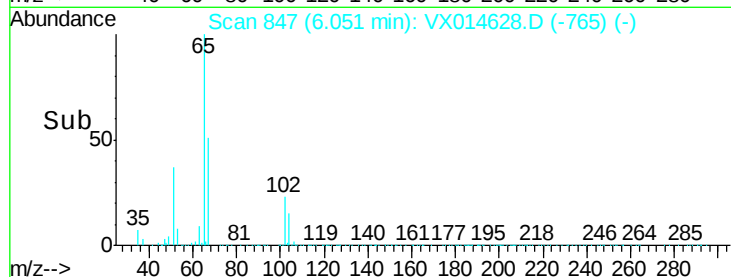
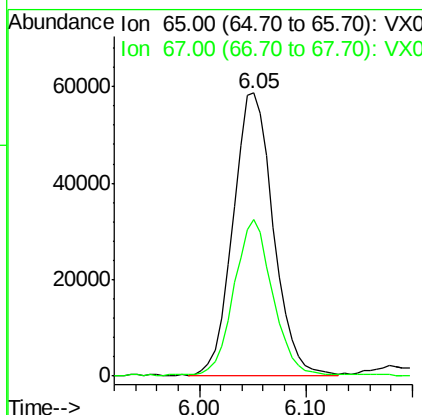
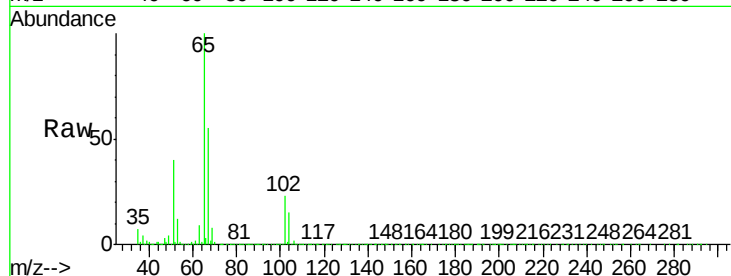
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	43.1	64.7

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

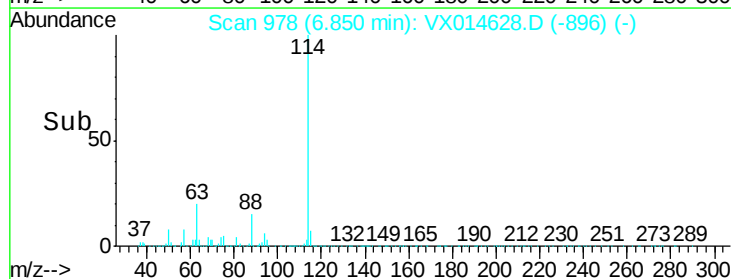
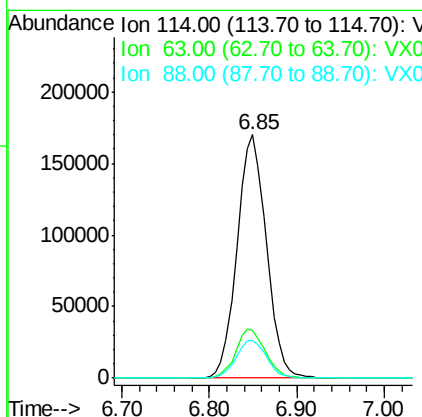
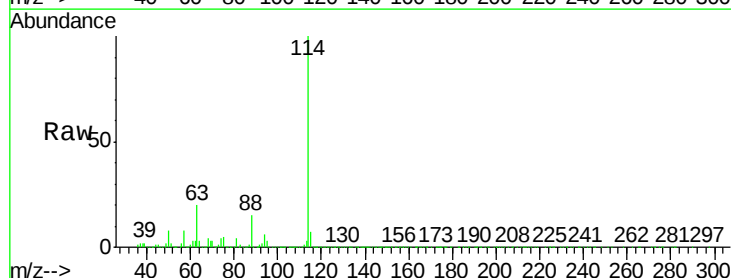
RT: 6.85 min Scan# 978

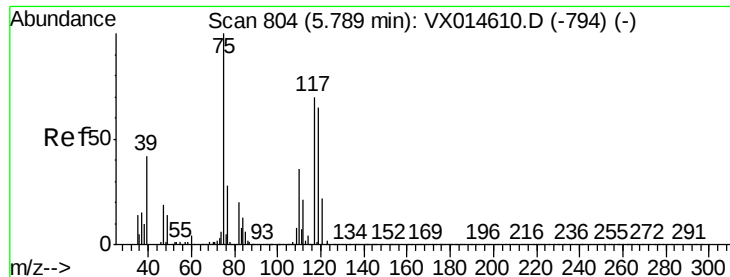
Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	15.8	12.5	18.7





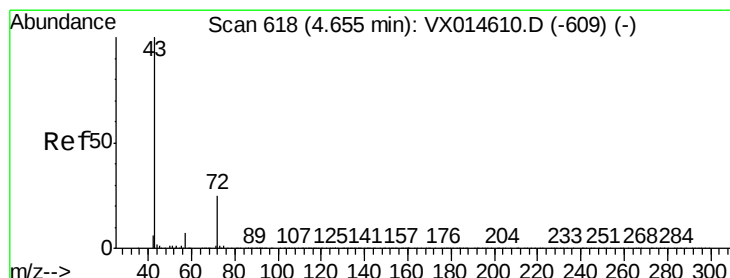
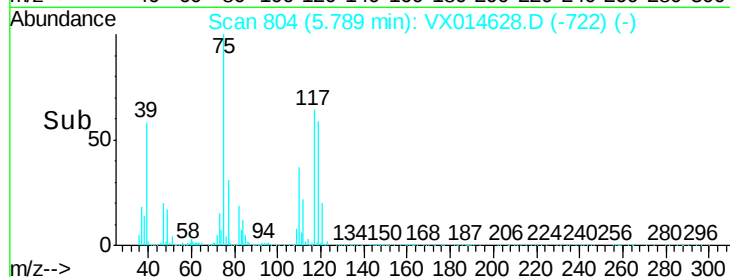
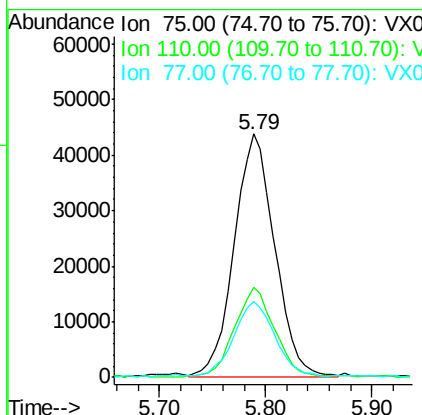
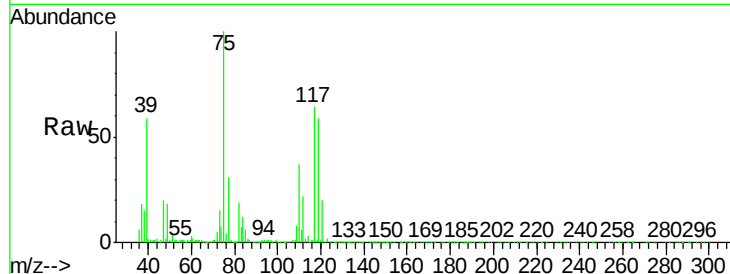
#29
 1,1-Dichloropropene
 Concen: 20.148 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.7	0.0	73.8
77	32.0	0.0	62.4

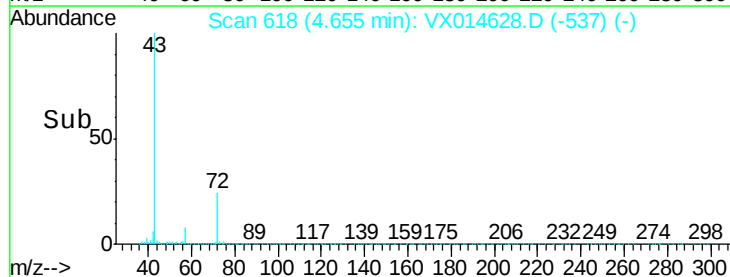
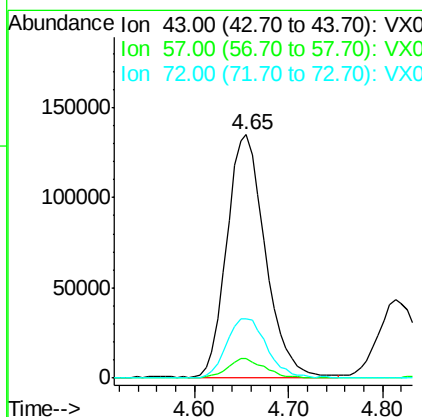
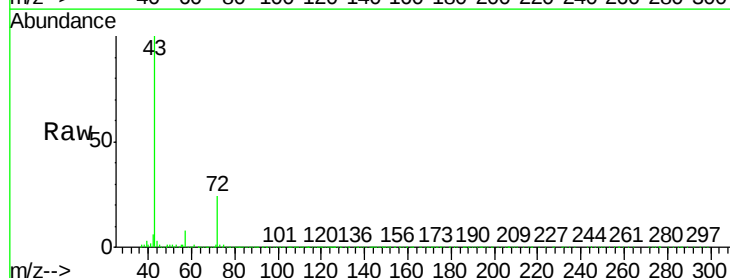
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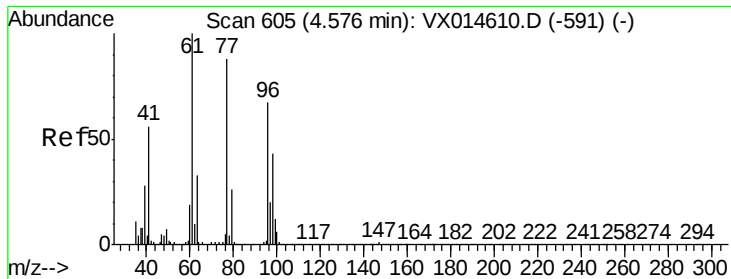
MMDadoda
 1/17/2020 11:23:20 AM



#30
 2-Butanone
 Concen: 103.338 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.2	9.2
72	25.2	20.3	30.5





#31

2,2-Dichloropropane

Concen: 19.711 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 122841

Ion Ratio Lower Upper

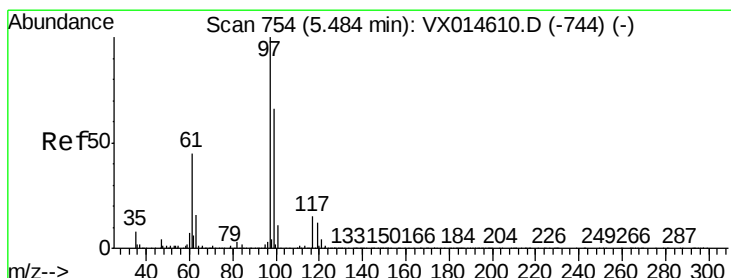
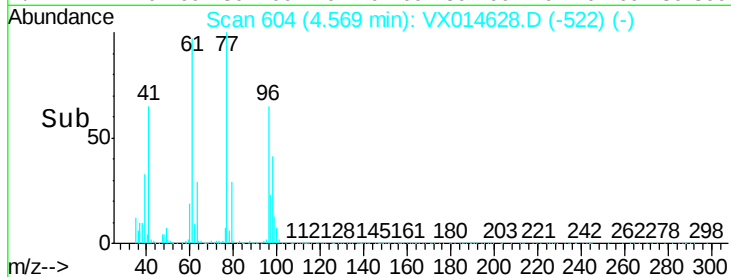
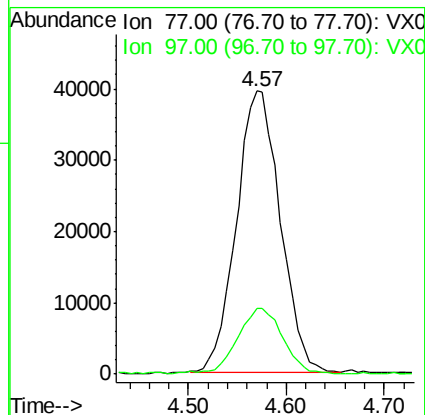
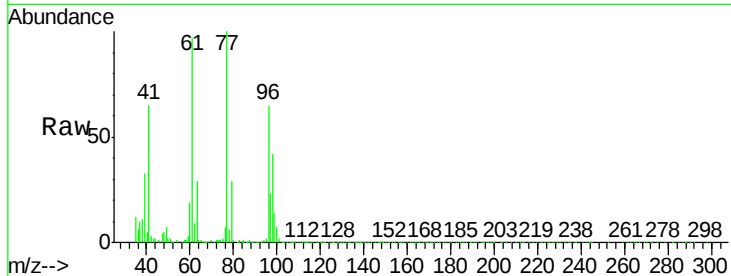
77 100

97 22.7 19.7 29.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.913 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

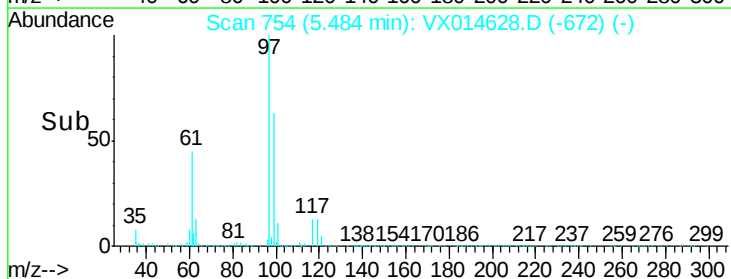
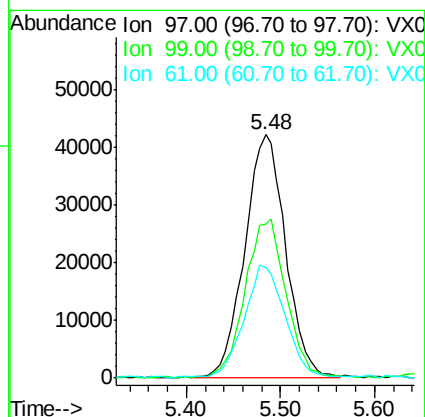
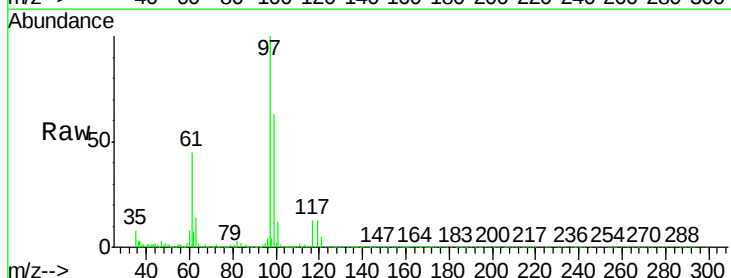
Tgt Ion: 97 Resp: 128319

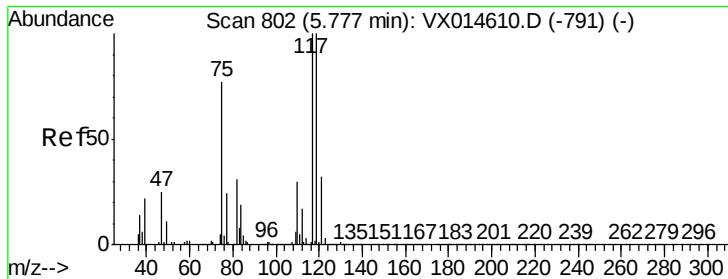
Ion Ratio Lower Upper

97 100

99 64.4 51.9 77.9

61 45.3 36.8 55.2





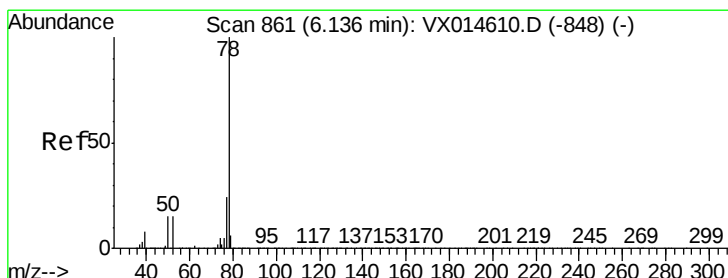
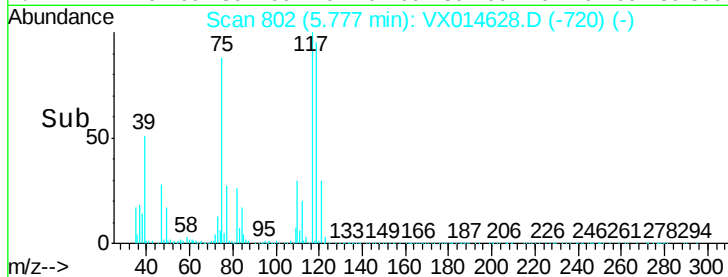
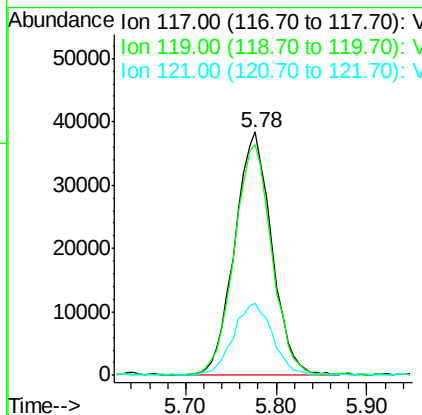
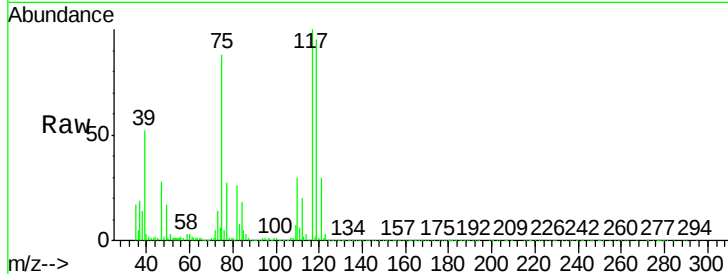
#33
Carbon Tetrachloride
Concen: 19.683 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.2	115.8
121	29.8	24.8	37.2

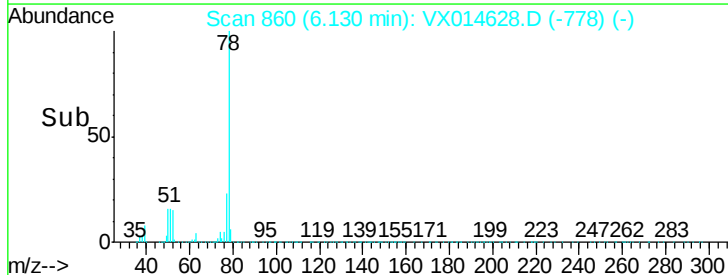
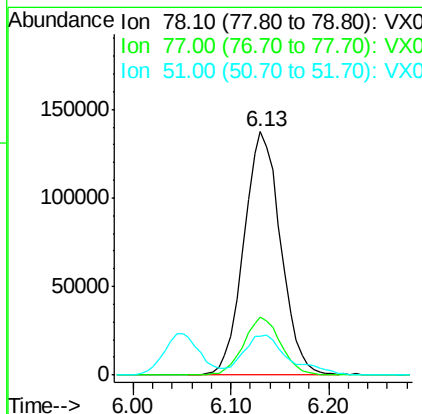
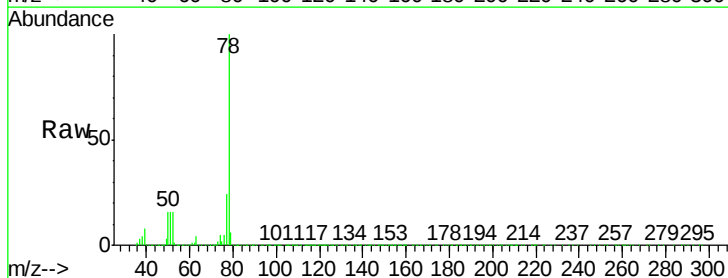
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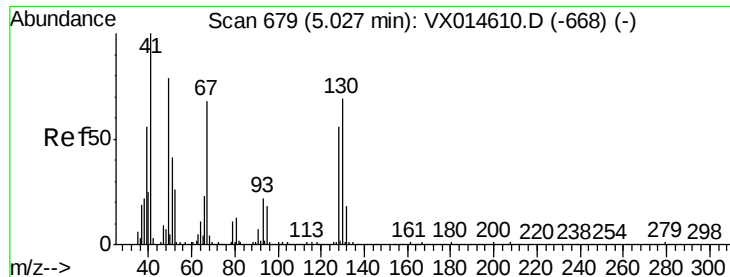
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#34
Benzene
Concen: 19.875 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2
51	15.2	12.4	18.6





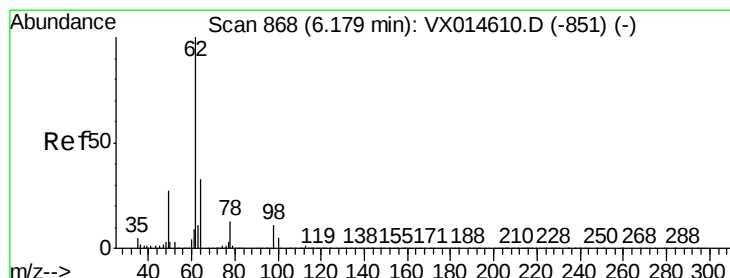
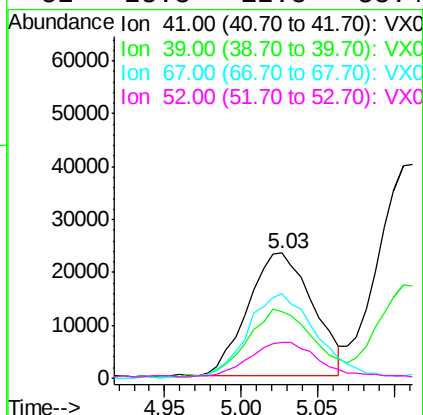
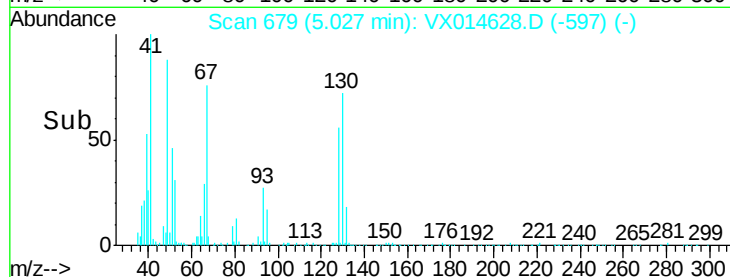
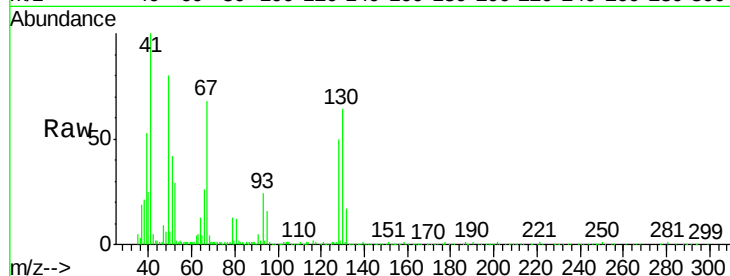
#35
Methacrylonitrile
Concen: 18.524 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.9	26.7	80.1	
67	68.2	31.5	94.5	
52	28.3	12.8	38.4	

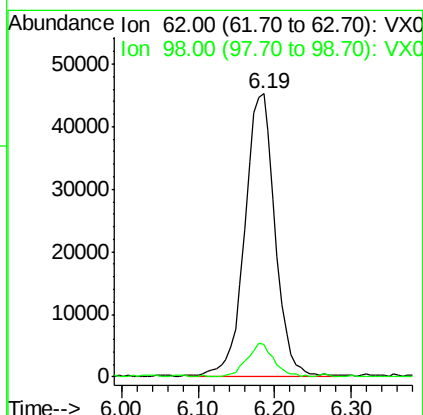
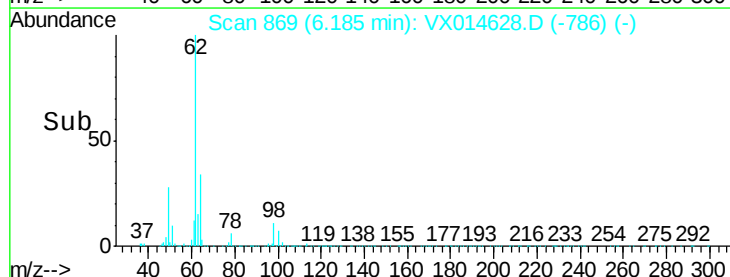
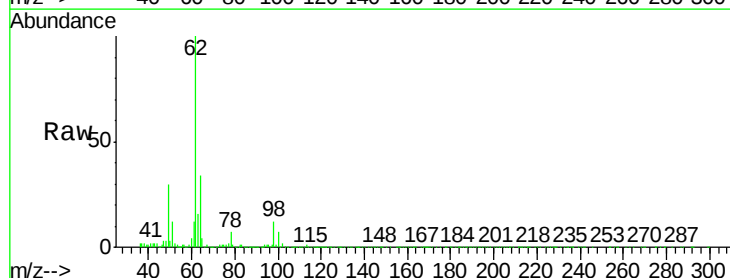
Manual Integrations
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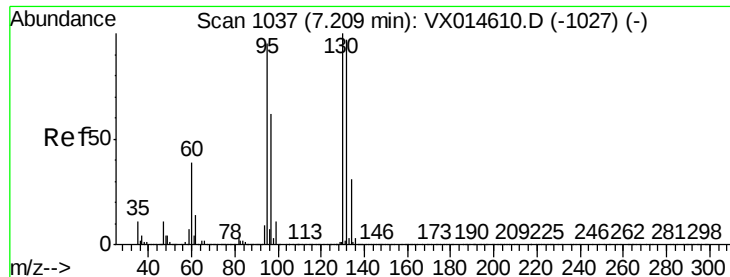
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.795 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	8.4	12.6	





#37

Trichloroethene

Concen: 19.991 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 98517

Ion Ratio Lower Upper

130 100

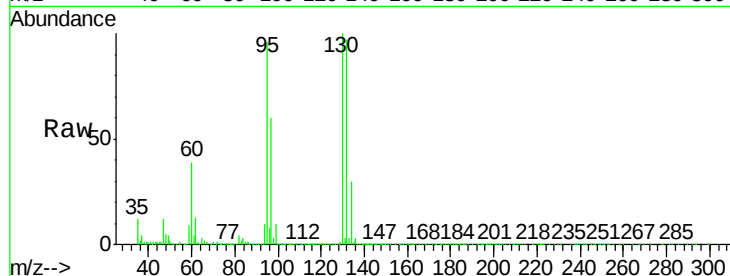
95 96.3 71.7 107.5

Manual Integrations

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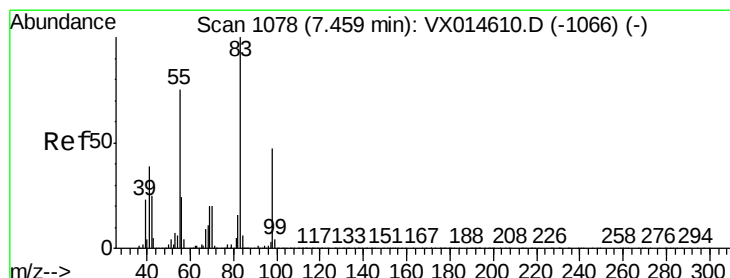
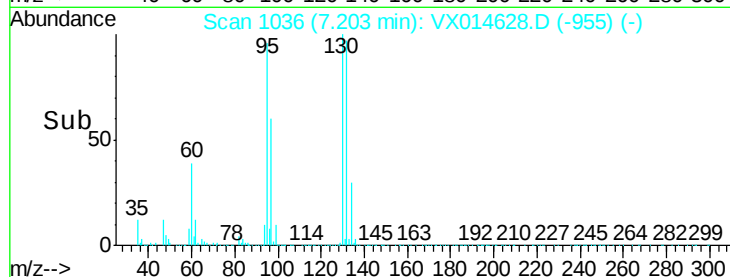
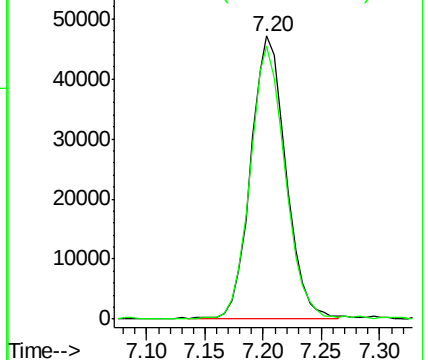
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 20.161 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

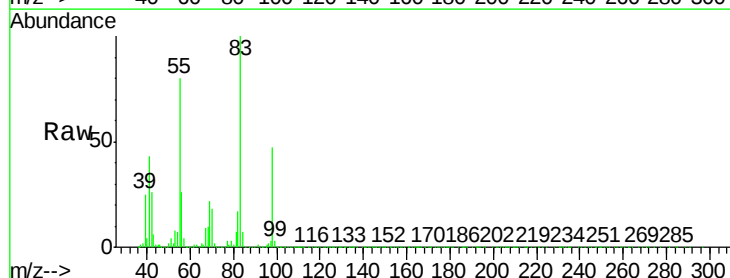
Tgt Ion: 83 Resp: 146209

Ion Ratio Lower Upper

83 100

55 78.6 39.4 118.1

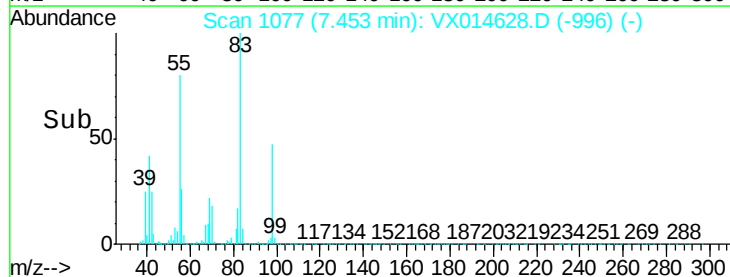
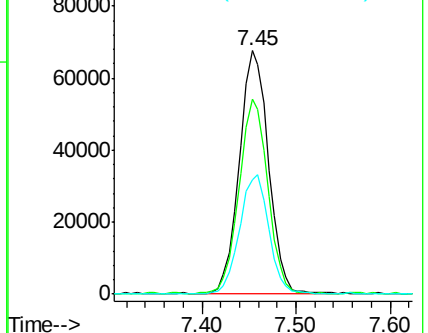
98 48.9 25.1 75.3

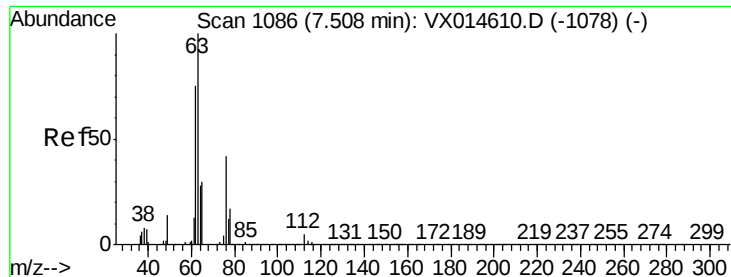


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





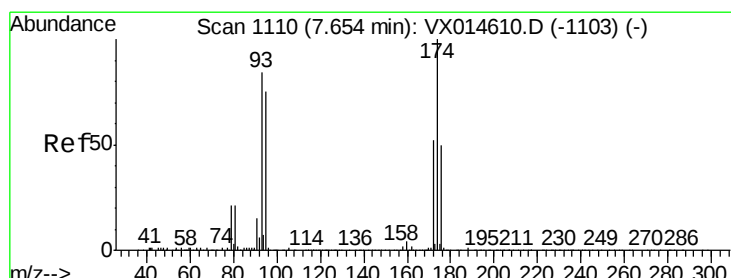
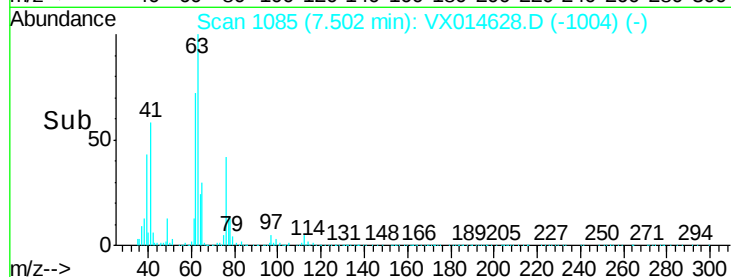
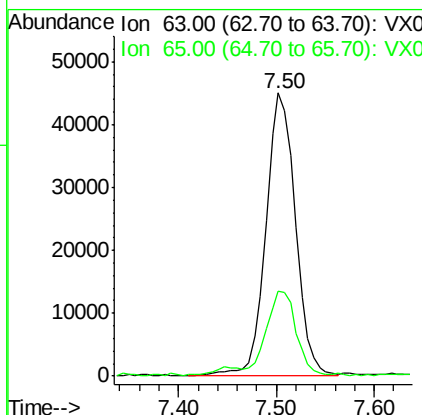
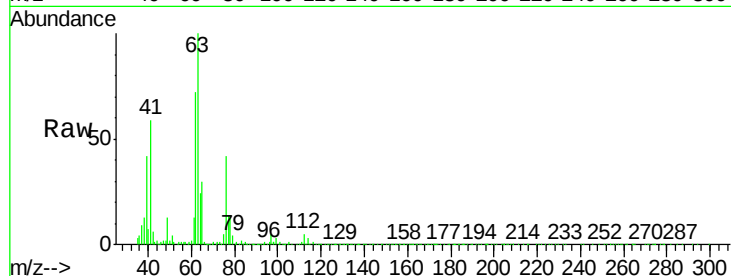
#39
 1,2-Dichloropropane
 Concen: 20.073 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	22.1	33.1

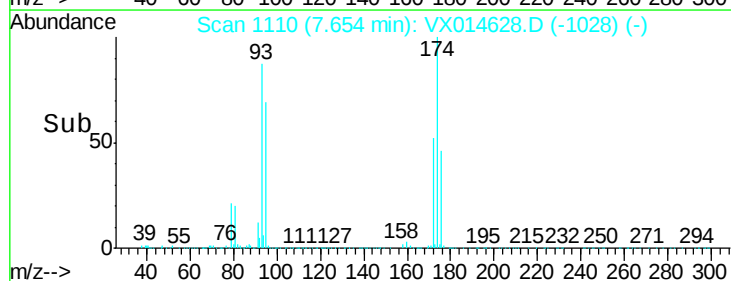
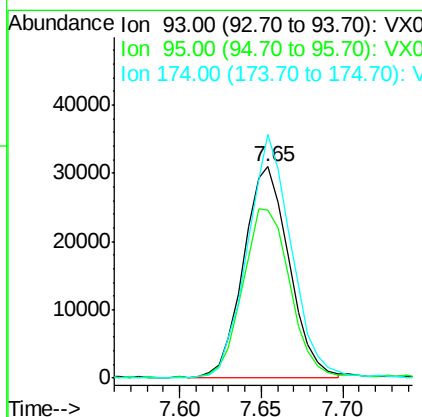
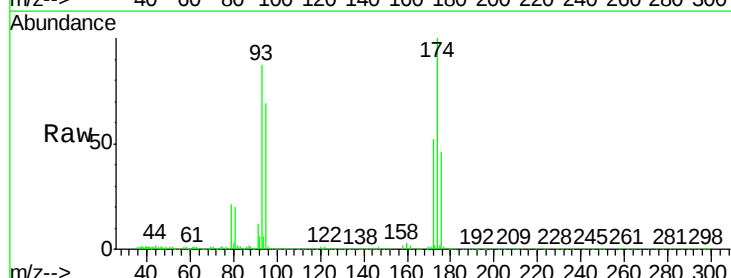
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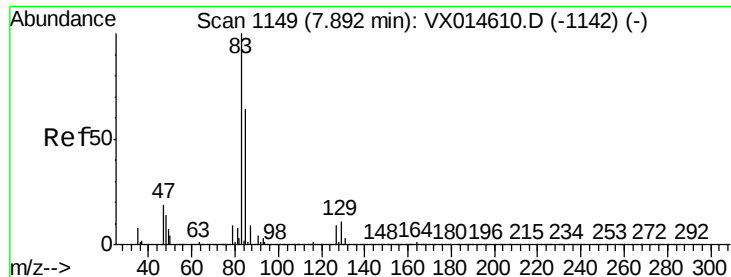
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 1/17/2020 11:23:20 AM



#40
 Dibromomethane
 Concen: 20.136 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	0.0	164.4
174	110.7	0.0	228.8





#41

Bromodichloromethane

Concen: 19.533 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

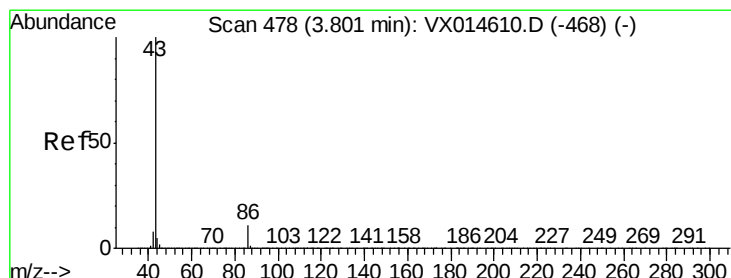
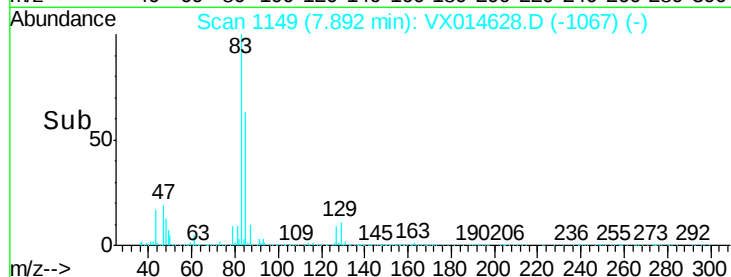
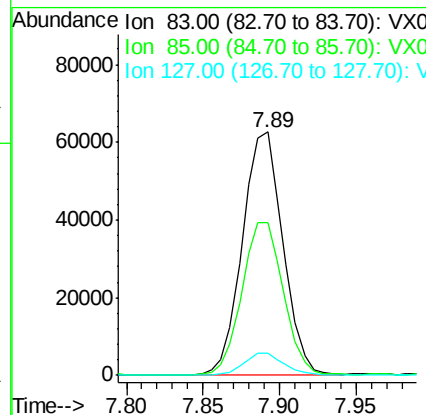
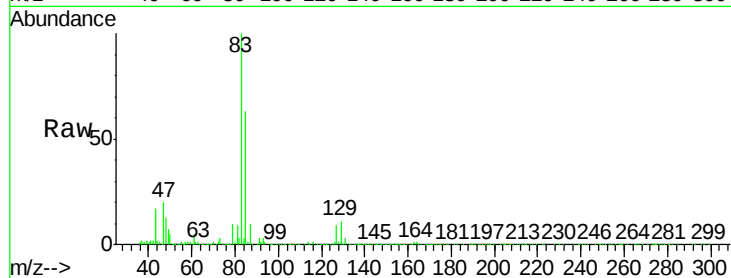
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	115052
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.6	77.4
127	8.8	6.0	9.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 97.894 ug/l

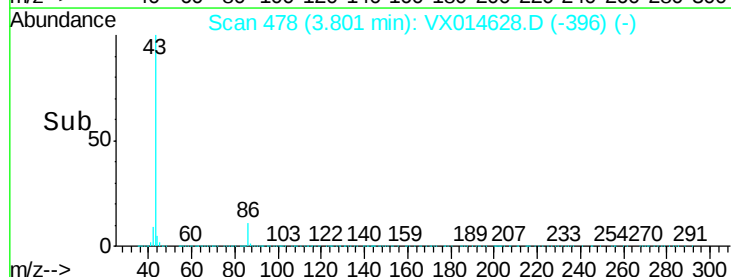
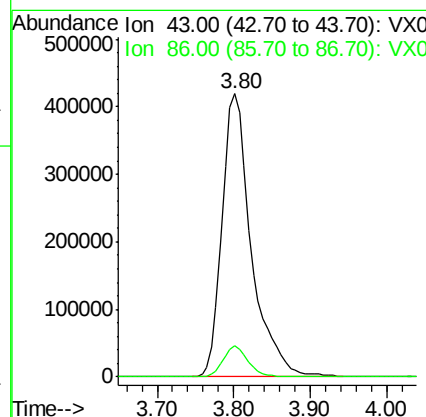
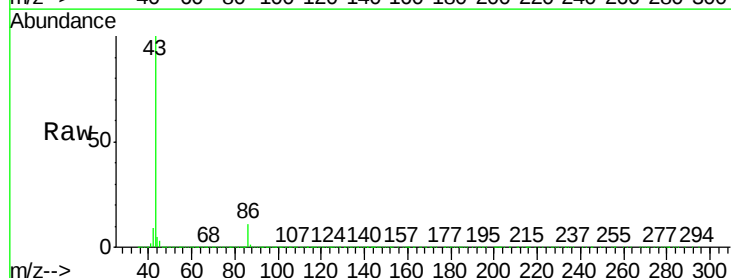
RT: 3.80 min Scan# 478

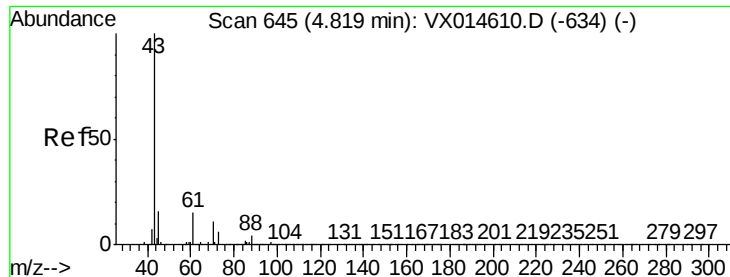
Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion:	43	Resp:	1113276
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.7	11.5





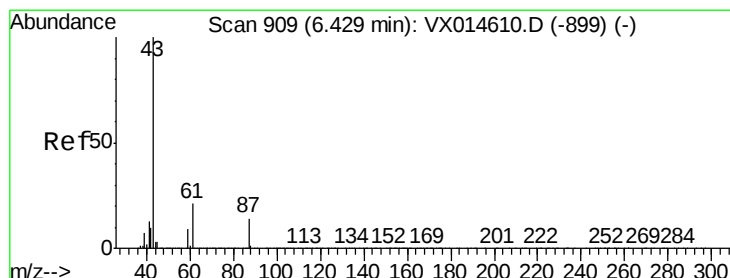
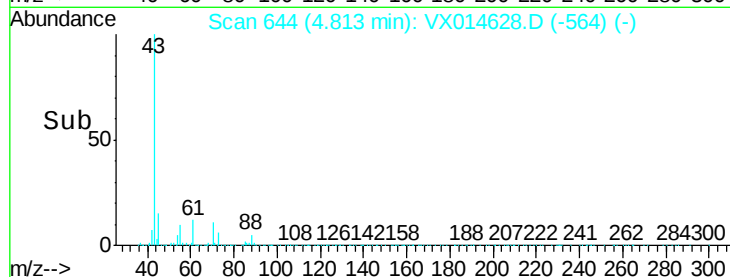
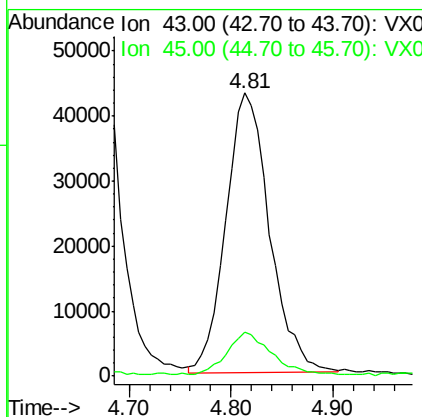
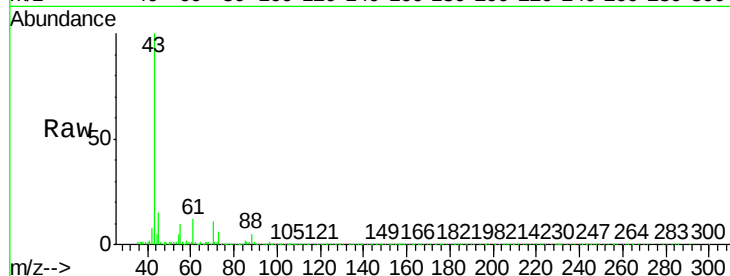
#43
Ethyl Acetate
Concen: 19.136 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	15.3	11.8	17.8

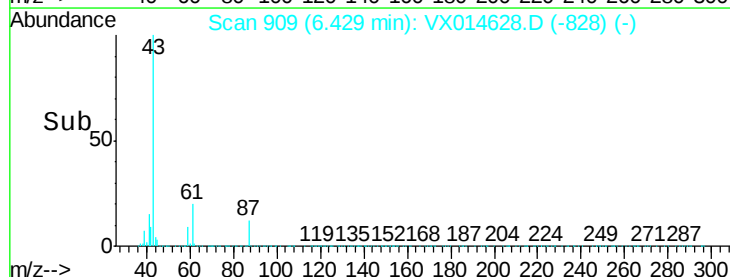
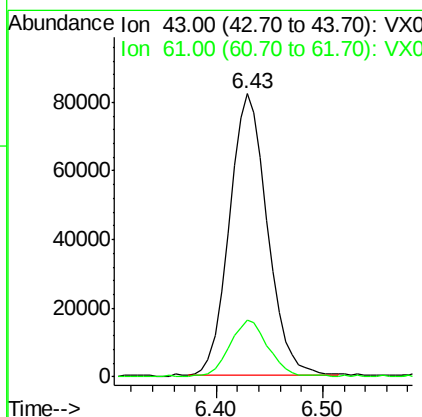
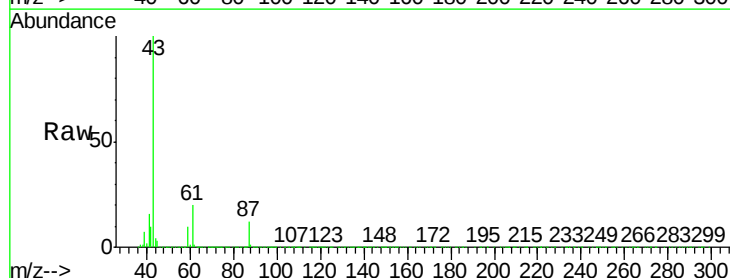
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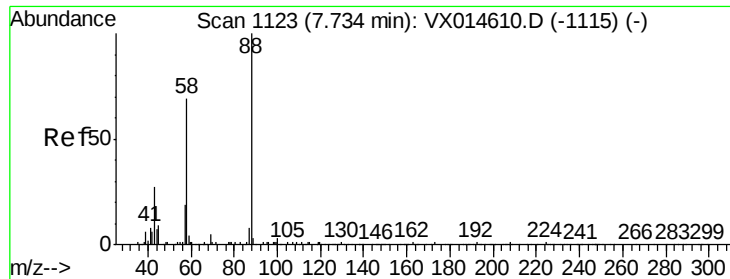
MMDadoda
1/17/2020 11:23:20 AM



#44
Isopropyl Acetate
Concen: 19.093 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.9	23.9





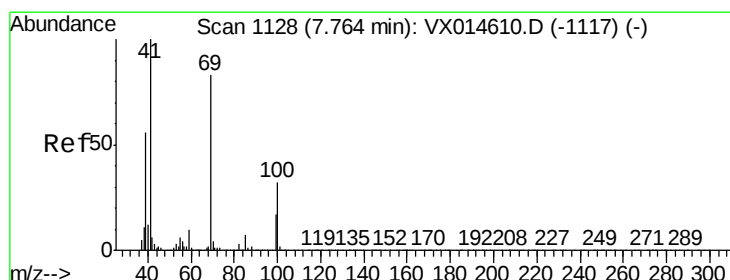
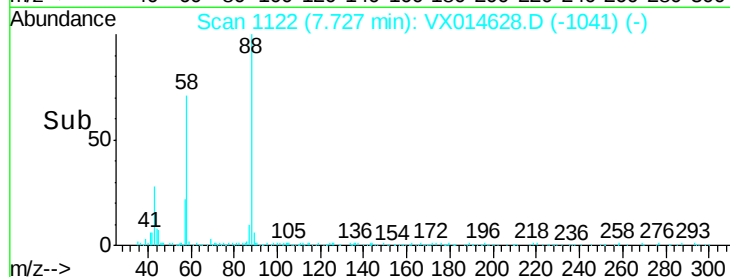
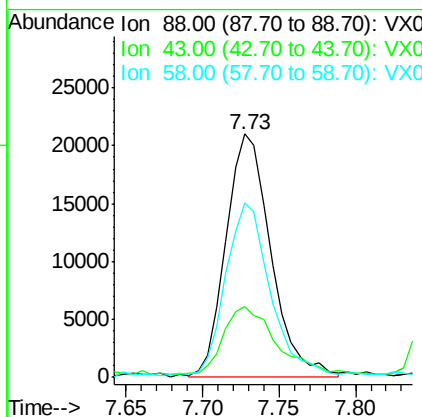
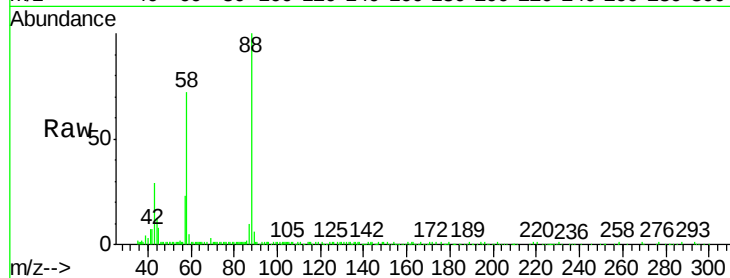
#45
1,4-Dioxane
Concen: 395.450 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	88	Resp:	42622
Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.4	38.2
58	68.6	56.5	84.7

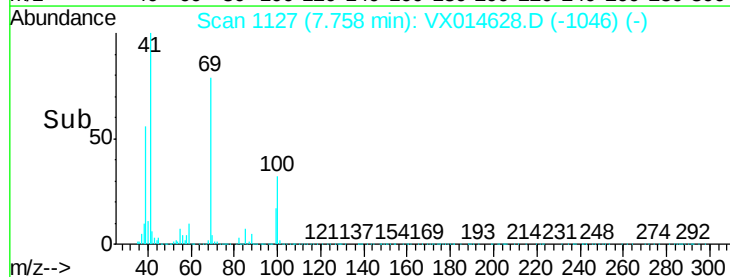
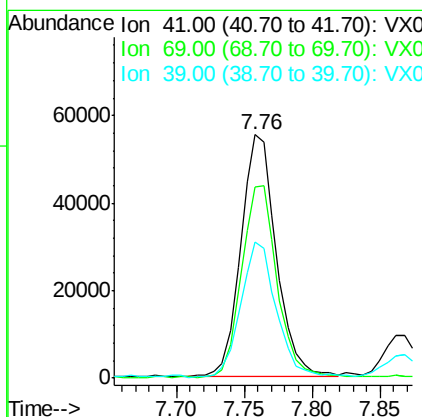
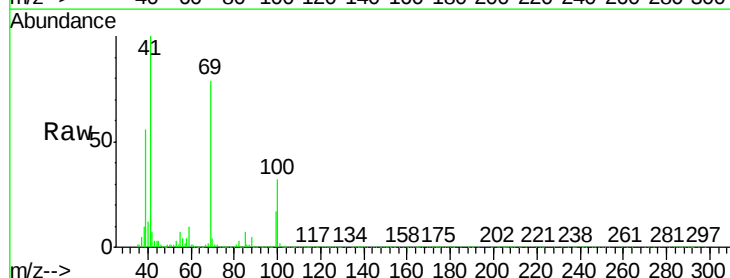
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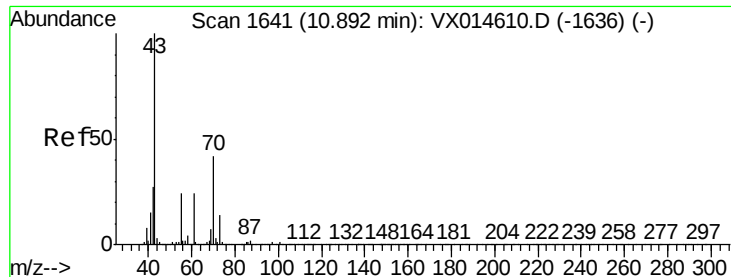
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#46
Methyl methacrylate
Concen: 19.034 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion:	41	Resp:	100855
Ion	Ratio	Lower	Upper
41	100		
69	78.6	40.6	122.0
39	56.4	27.8	83.3





#47

n-amvl Acetate

Concen: 18.443 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 166510

Ion Ratio Lower Upper

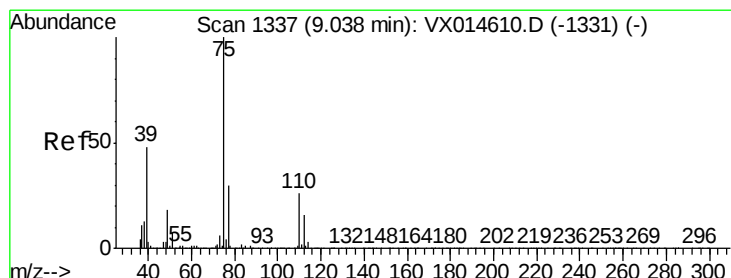
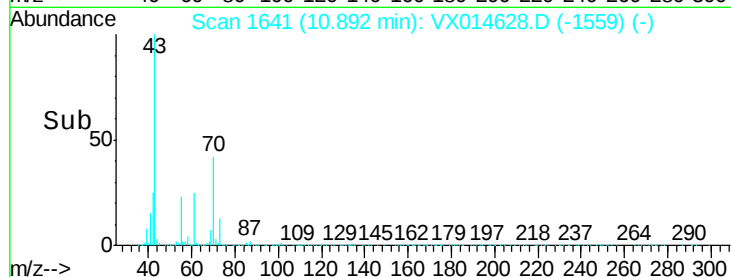
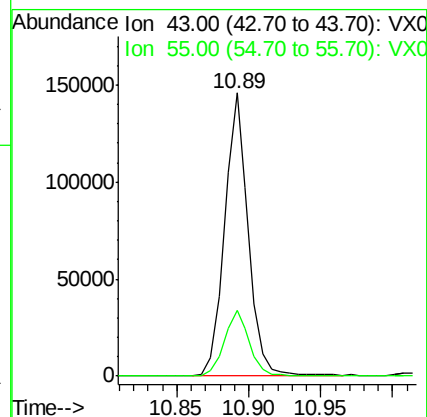
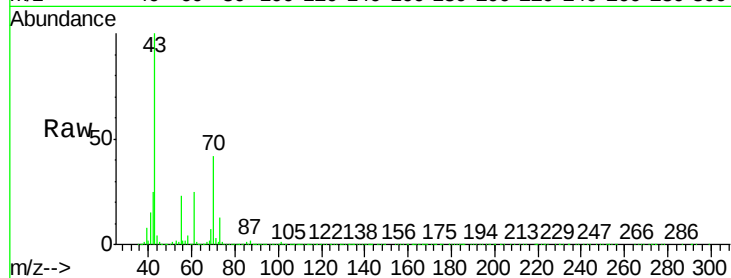
43 100

55 24.0 19.4 29.2

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#48

t-1,3-Dichloropropene

Concen: 19.296 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014628.D

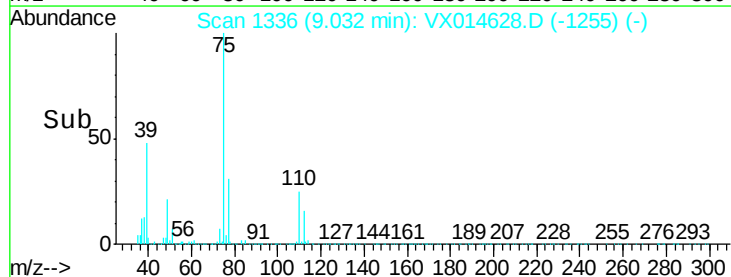
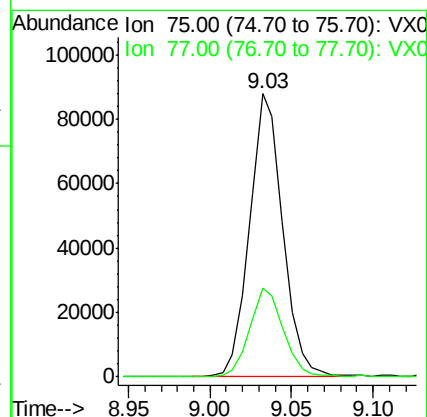
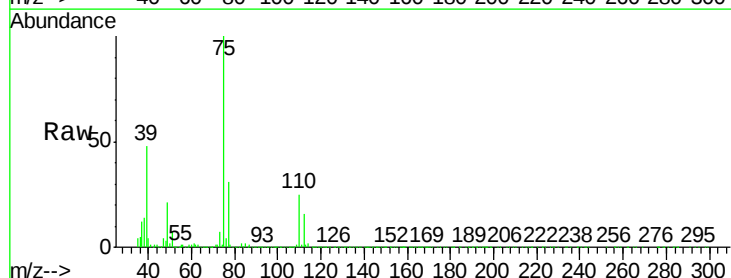
Acq: 16 Jan 2020 10:07

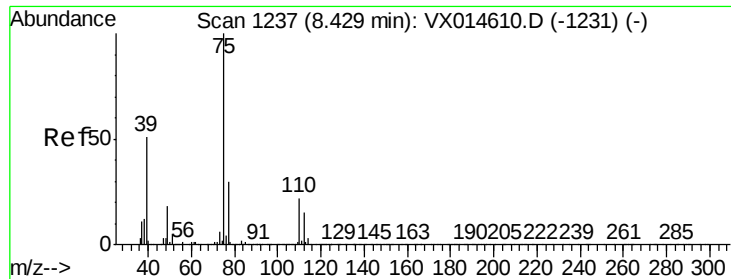
Tgt Ion: 75 Resp: 124091

Ion Ratio Lower Upper

75 100

77 31.1 26.0 39.0





#49

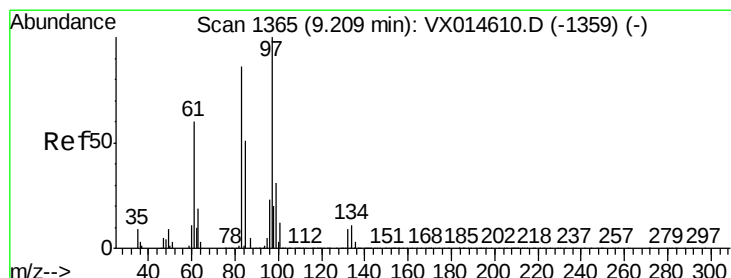
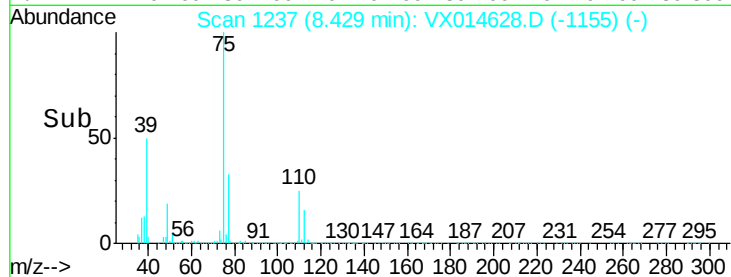
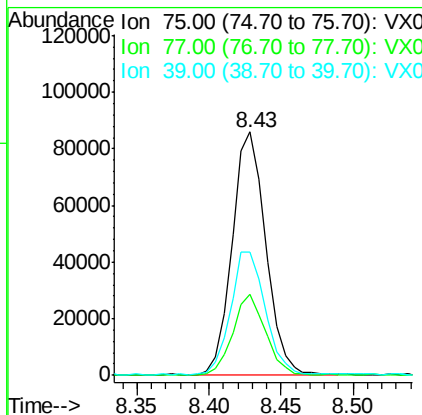
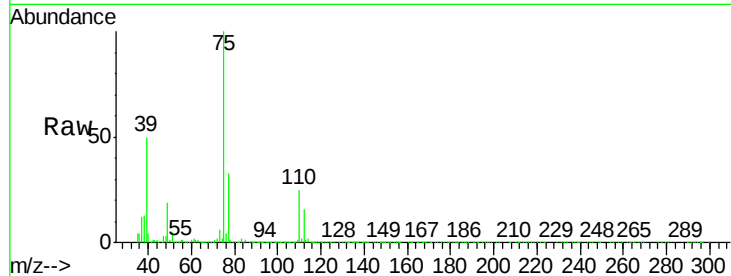
cis-1,3-Dichloropropene
Concen: 19.322 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.8	37.2
39	50.3	41.1	61.7

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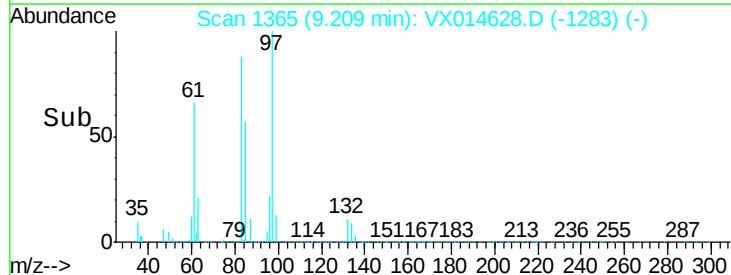
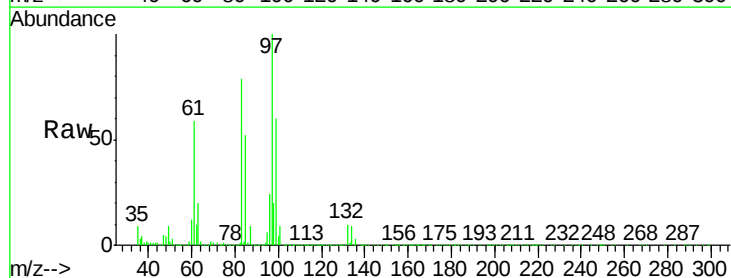
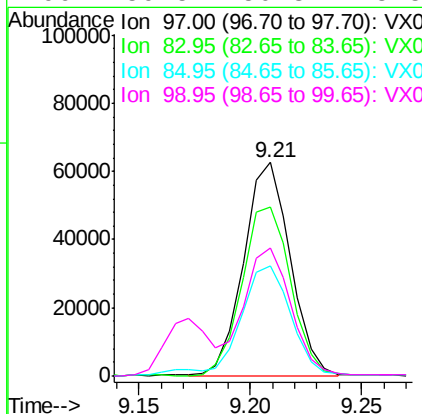
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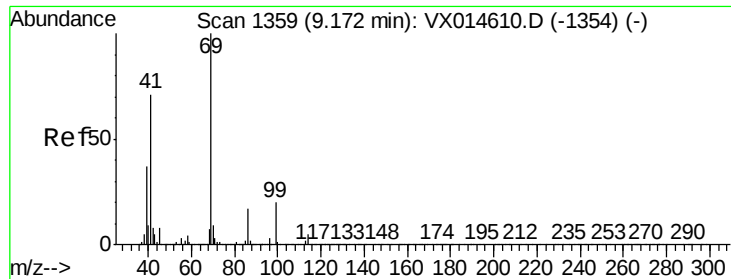


#50

1,1,2-Trichloroethane
Concen: 19.922 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.6	68.1	102.1
85	50.8	42.7	64.1
99	59.5	50.3	75.5





#51

Ethyl methacrylate

Concen: 18.707 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

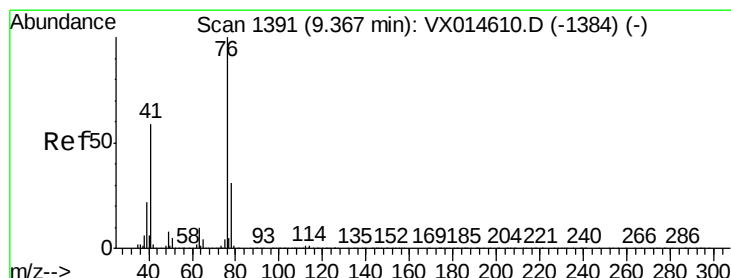
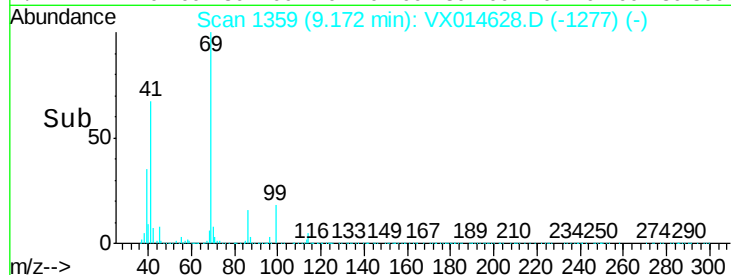
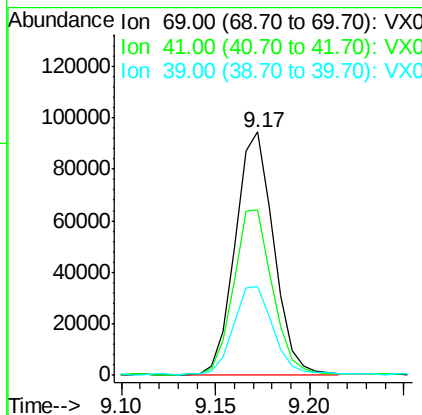
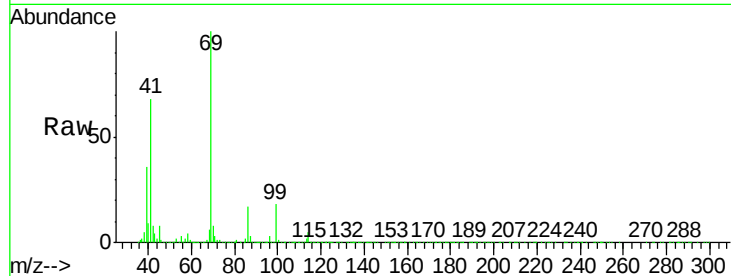
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	133317
Ion Ratio	Lower	Upper	
69	100		
41	67.9	35.4	106.1
39	35.9	17.8	53.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.804 ug/l

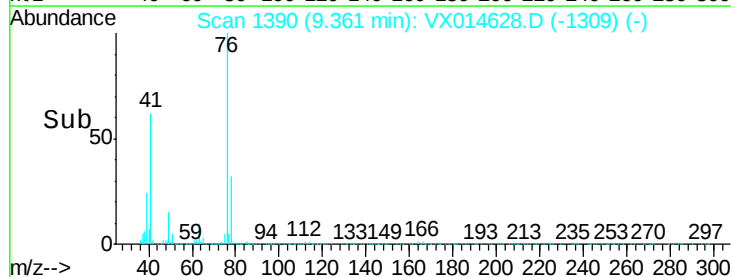
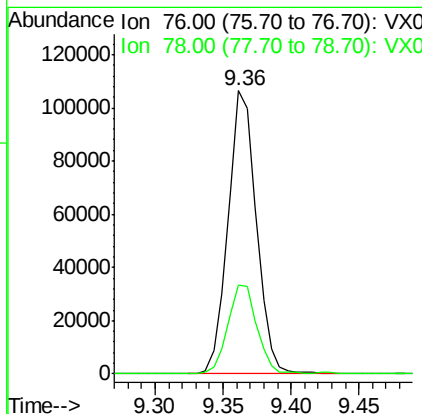
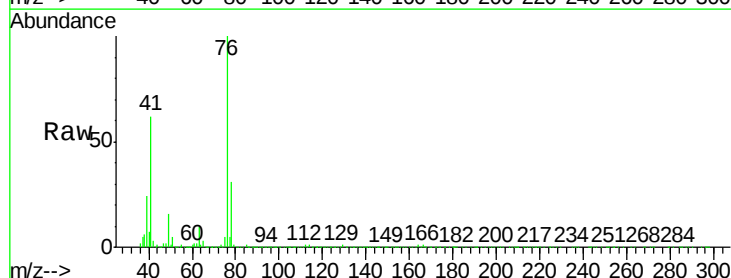
RT: 9.36 min Scan# 1390

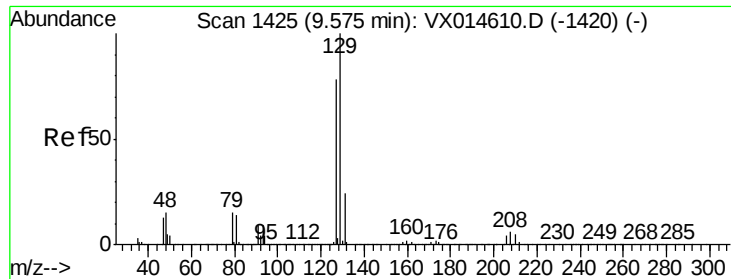
Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion:	76	Resp:	153576
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	63.4





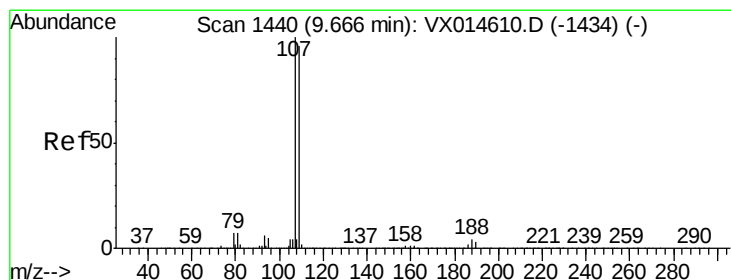
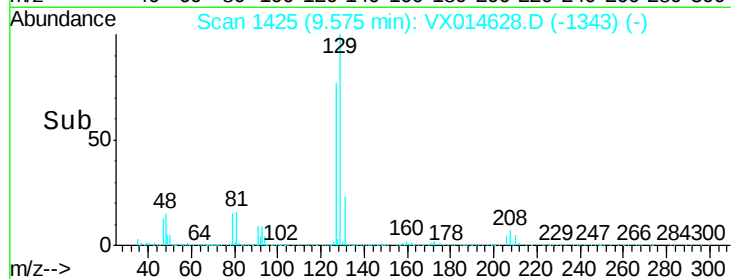
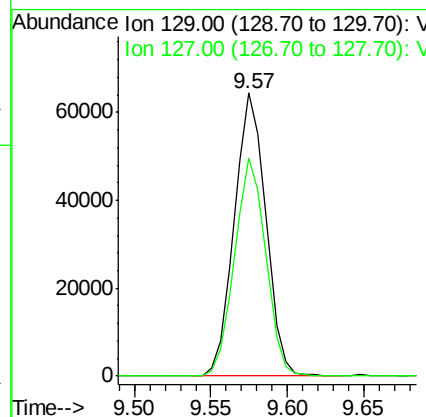
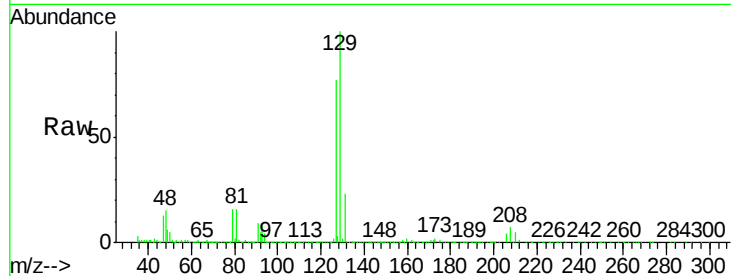
#53
 Dibromochloromethane
 Concen: 19.672 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.1	117.5

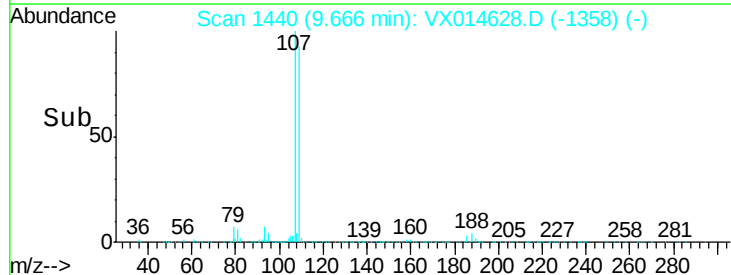
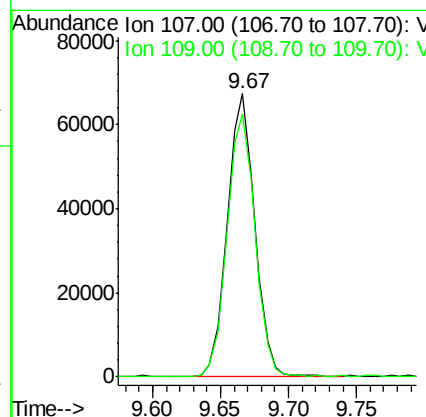
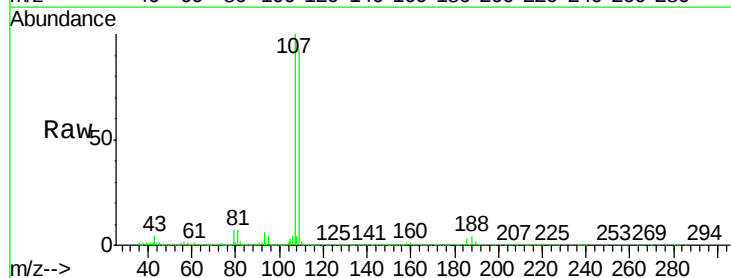
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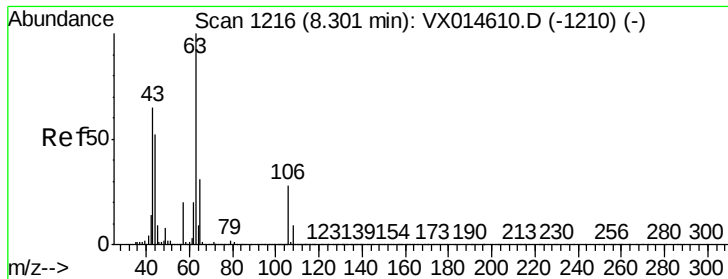
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#54
 1,2-Dibromoethane
 Concen: 19.782 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	77.2	115.8





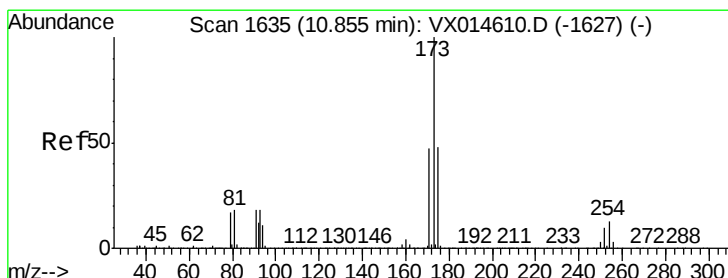
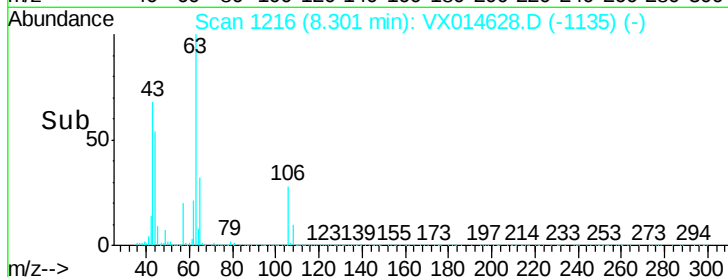
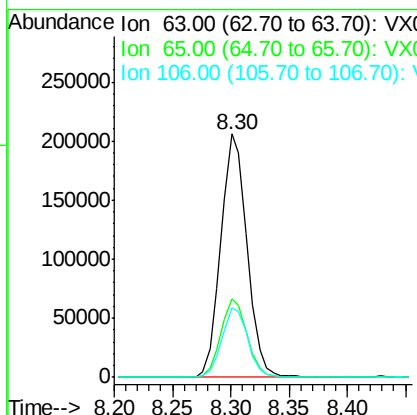
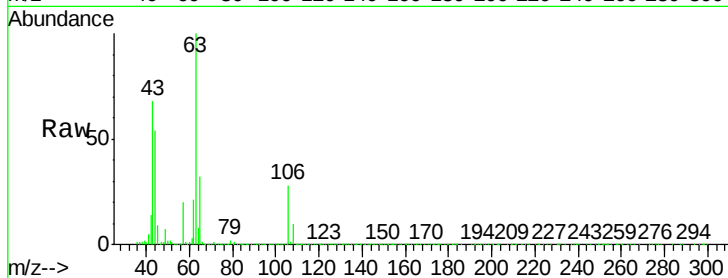
#55
2-Chloroethyl vinyl ether
Concen: 97.057 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.8	38.6
106	28.3	22.9	34.3

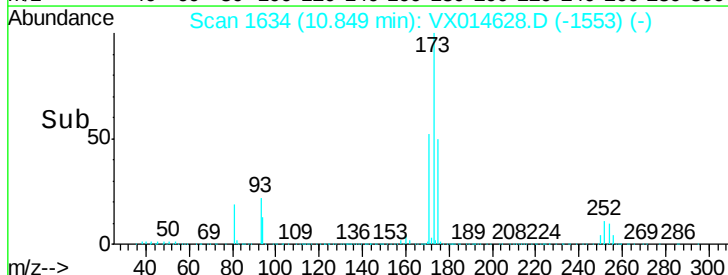
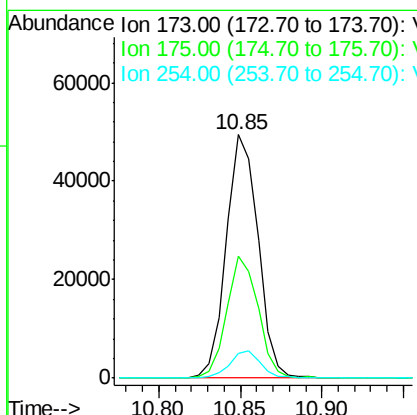
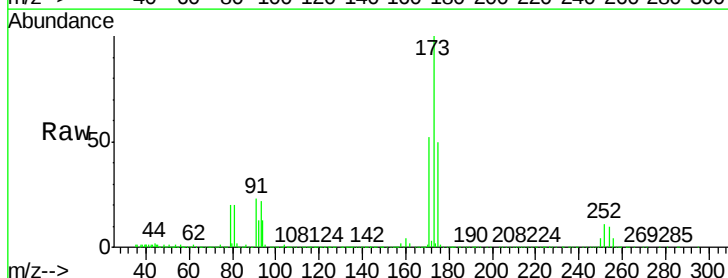
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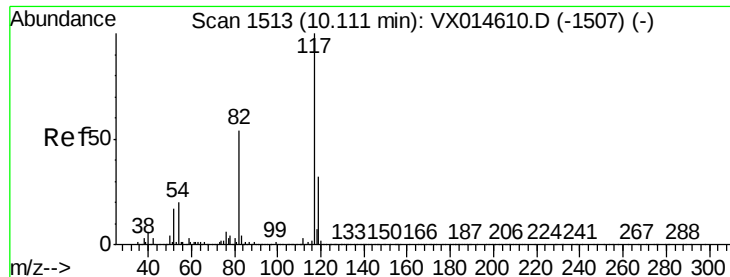
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#56
Bromoform
Concen: 18.580 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.5	59.3
254	10.8	8.2	12.4





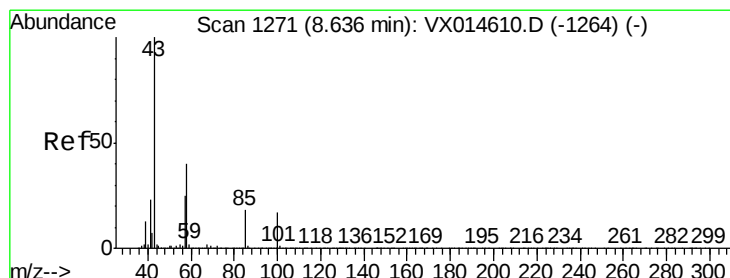
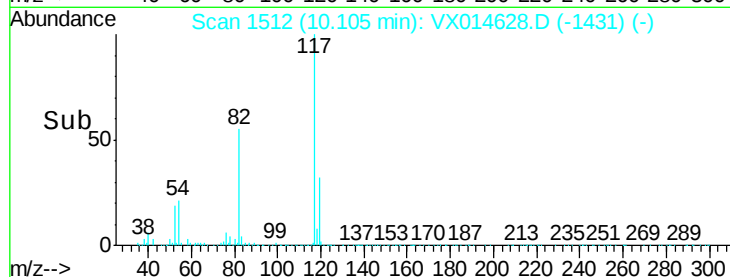
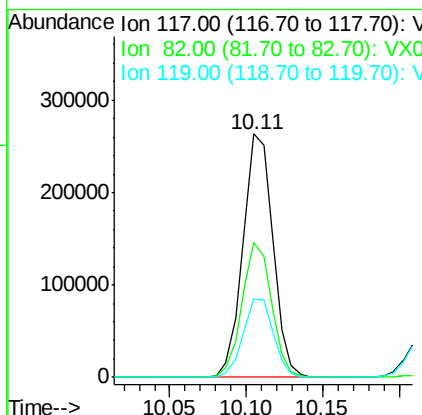
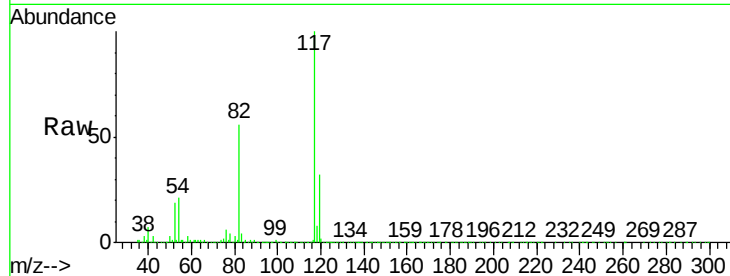
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	358846		
82	54.4		43.8	65.6
119	32.6		25.8	38.6

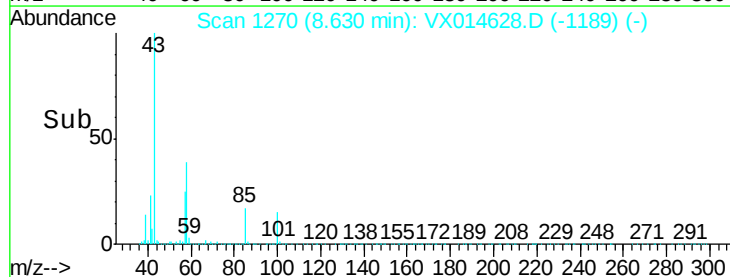
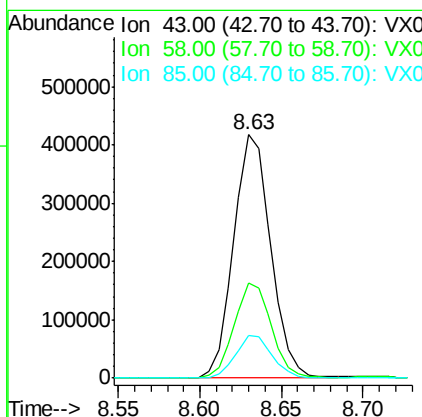
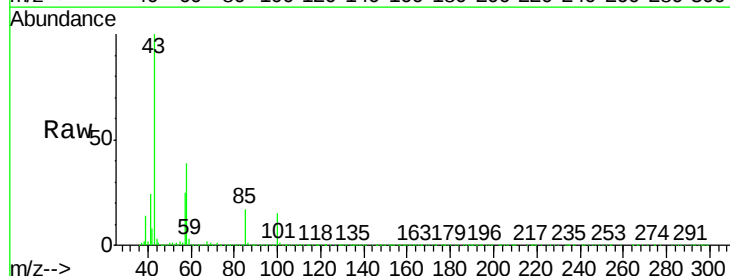
Manual Integrations
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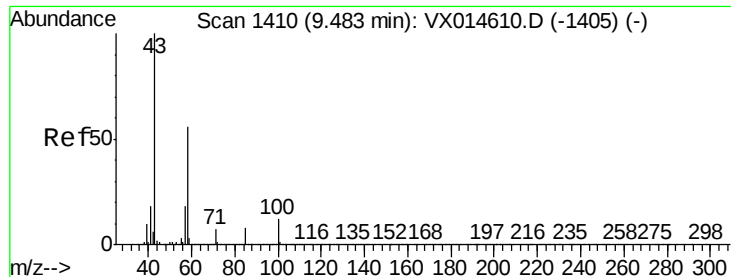
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 97.678 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	660075		
58	38.9		31.2	46.8
85	17.4		14.2	21.2





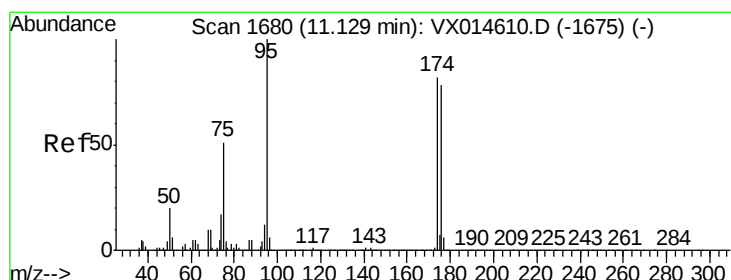
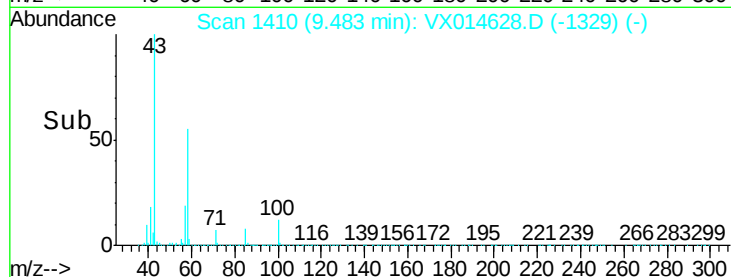
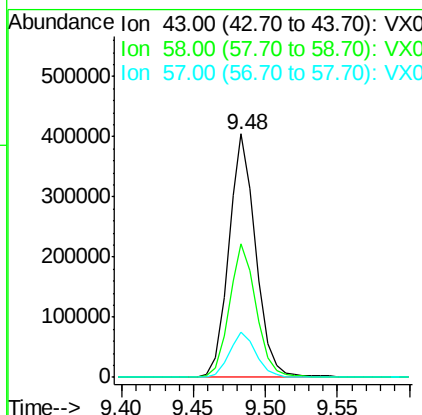
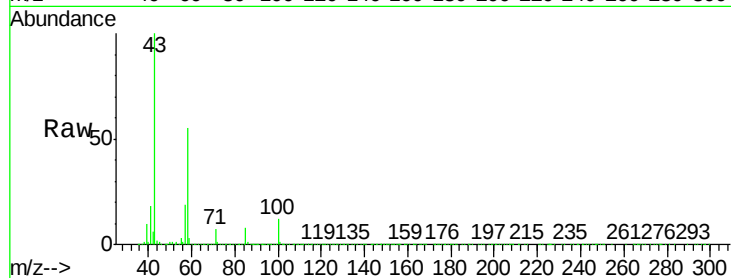
#59
2-Hexanone
Concen: 101.342 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	43.8	65.6
57	18.4	15.4	23.0

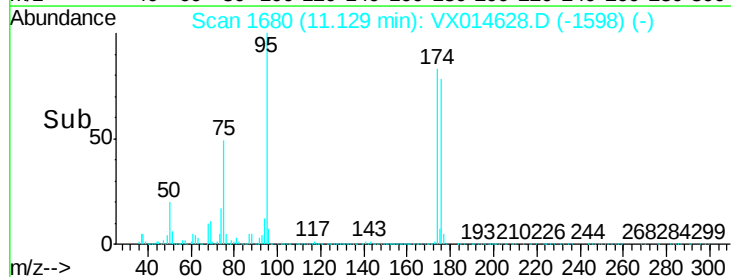
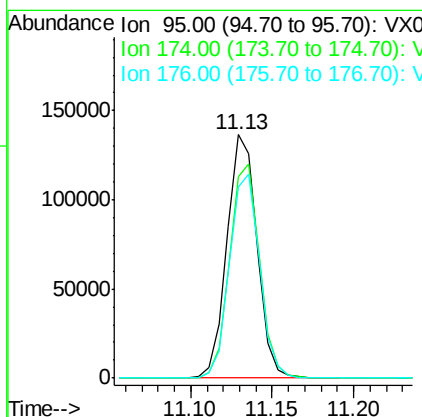
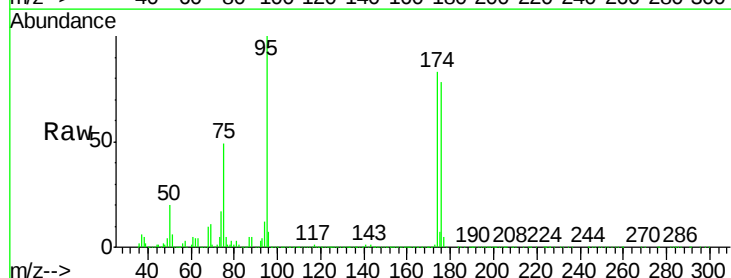
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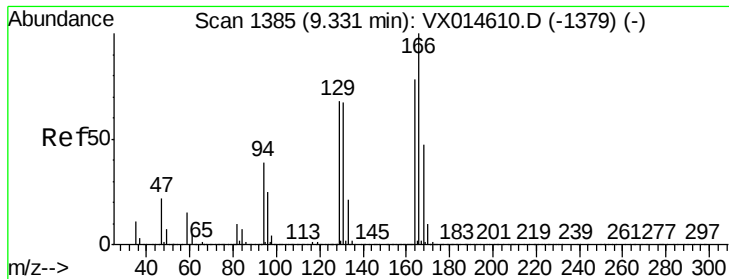
MMDadoda
1/17/2020 11:23:20 AM



#60
4-Bromofluorobenzene
Concen: 30.401 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.4	70.2	105.2
176	84.0	68.3	102.5





#61

Tetrachloroethene

Concen: 20.045 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

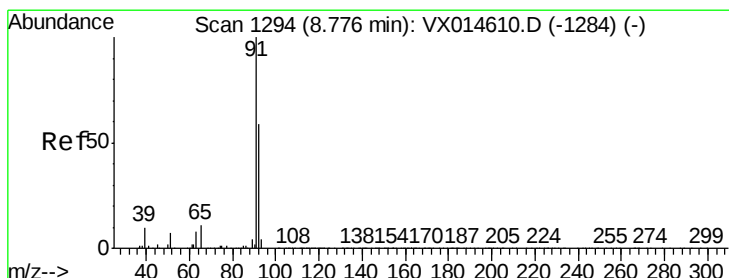
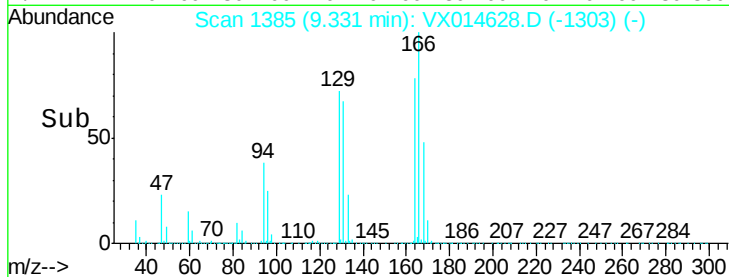
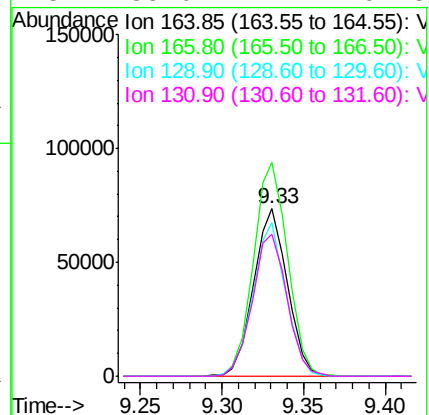
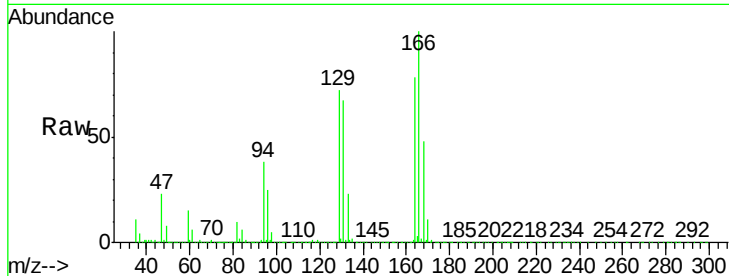
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.4	104.2	156.2
129	91.2	71.6	107.4
131	85.0	71.7	107.5

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#62

Toluene

Concen: 20.270 ug/l

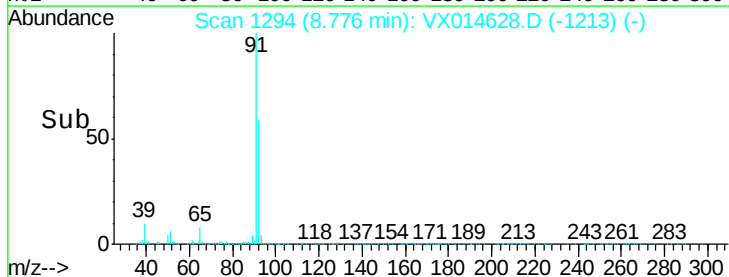
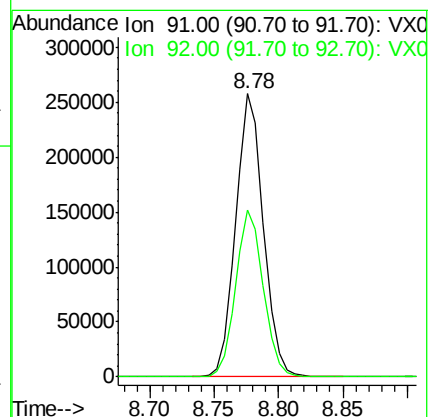
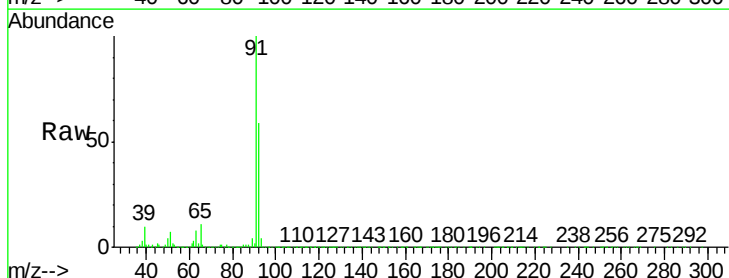
RT: 8.78 min Scan# 1294

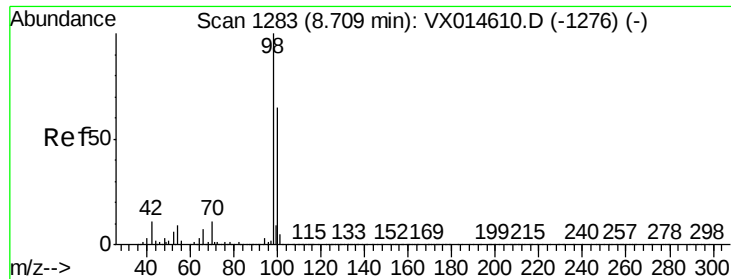
Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	46.4	69.6





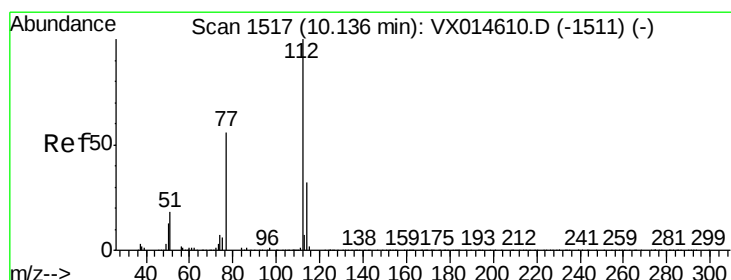
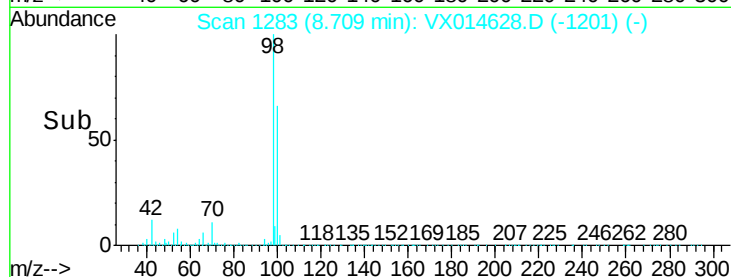
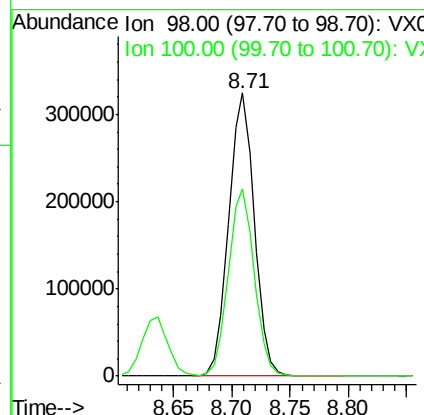
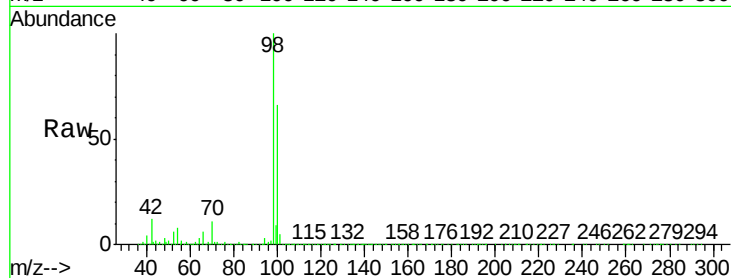
#63
Toluene-d8
Concen: 30.583 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 495723
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.2

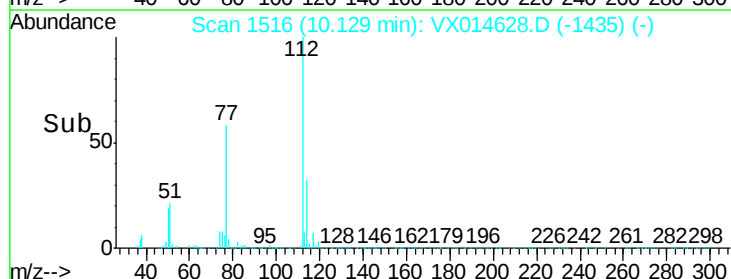
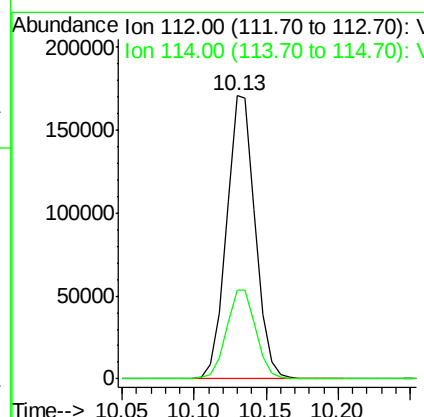
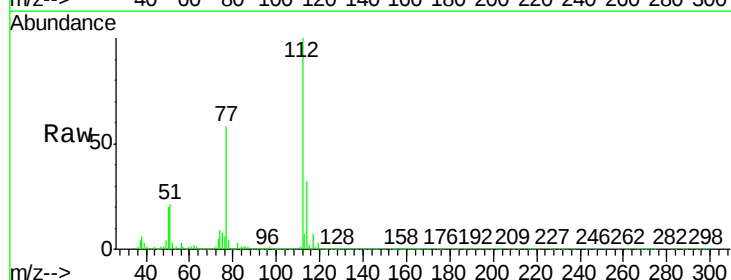
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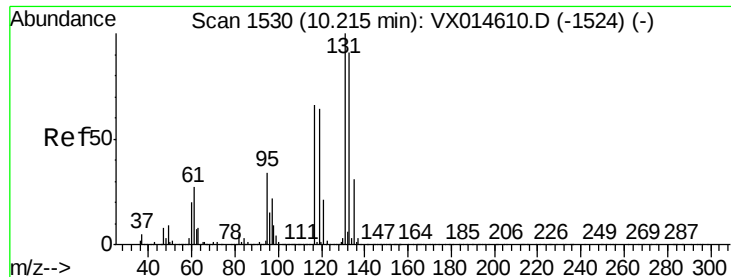
MMDadoda
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#64
Chlorobenzene
Concen: 20.074 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion: 112 Resp: 238584
Ion Ratio Lower Upper
112 100
114 31.5 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 19.609 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

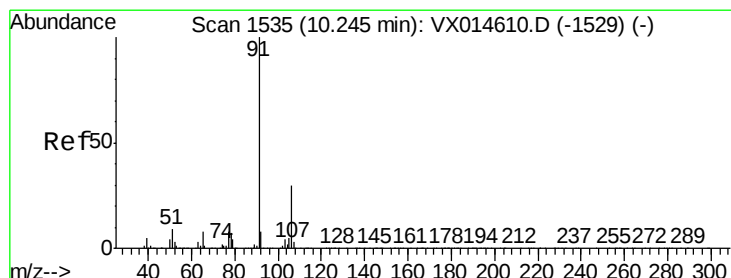
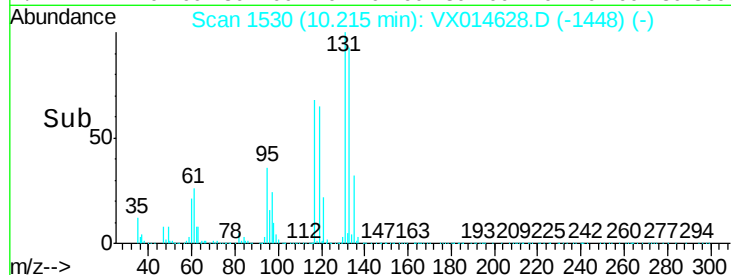
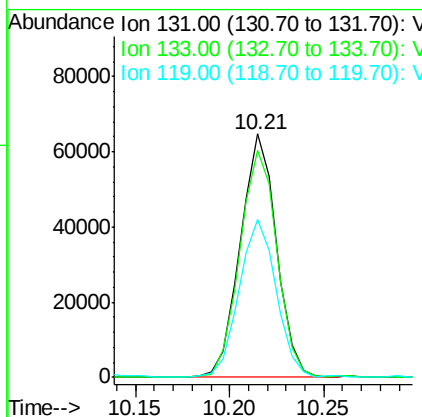
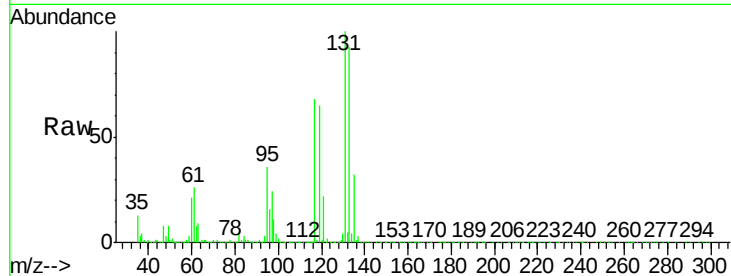
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	86074
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	189.8
119	66.1	0.0	132.2

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#66

Ethyl Benzene

Concen: 20.120 ug/l

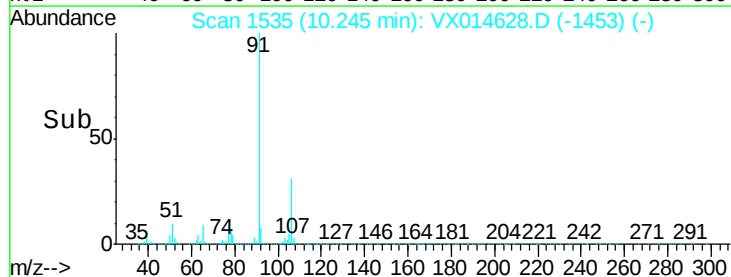
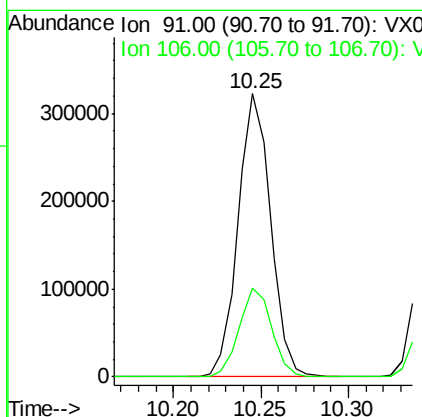
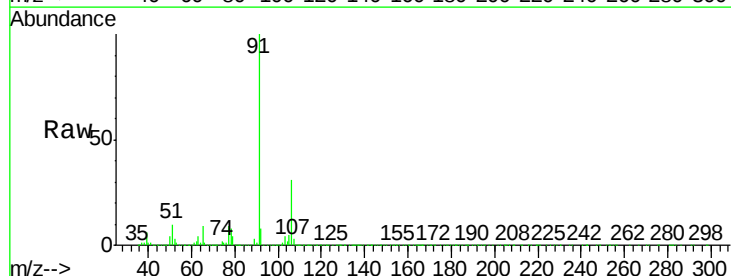
RT: 10.25 min Scan# 1535

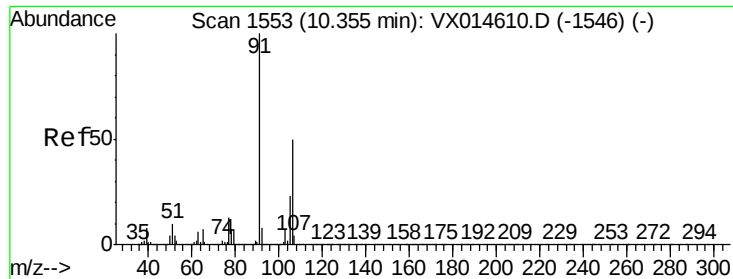
Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion:	91	Resp:	417236
Ion Ratio	Lower	Upper	
91	100		
106	31.2	24.2	36.2





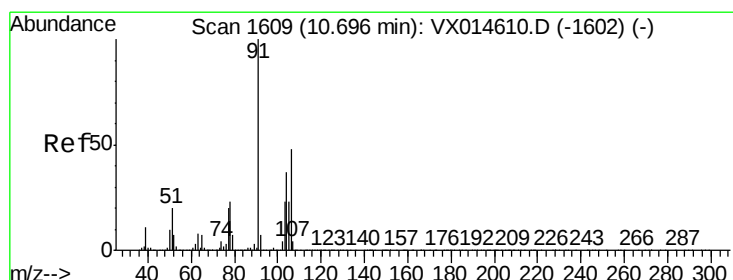
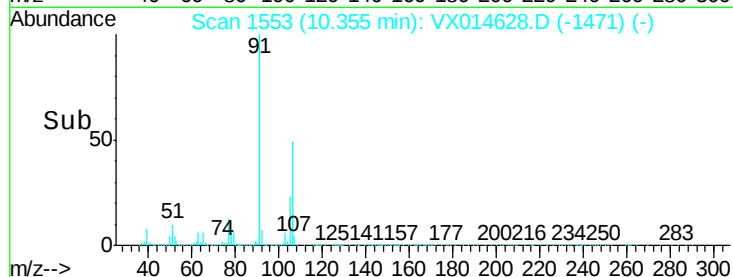
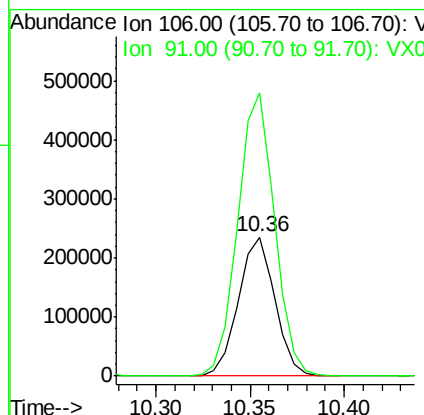
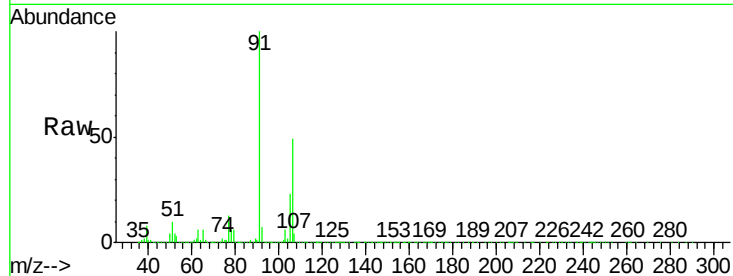
#67
m/p-Xvlenes
Concen: 40.032 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 317977
Ion Ratio Lower Upper
106 100
91 203.0 159.3 238.9

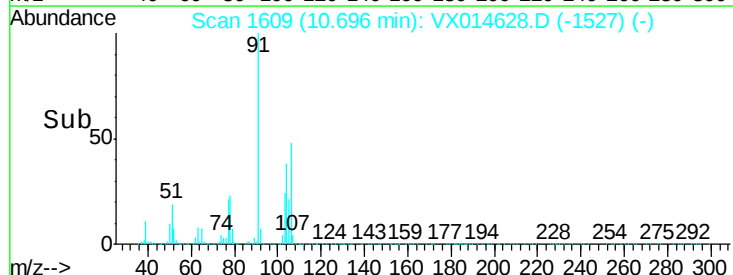
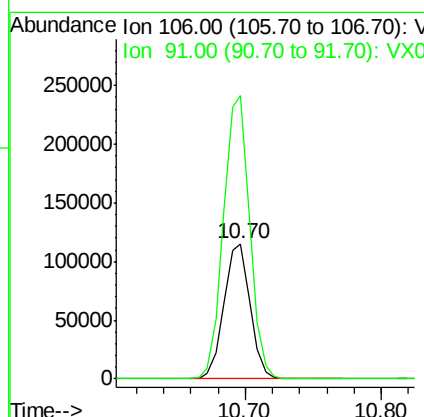
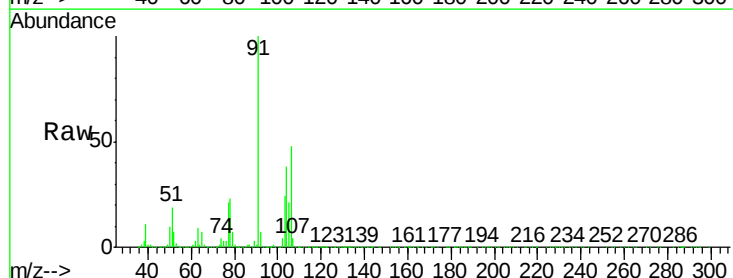
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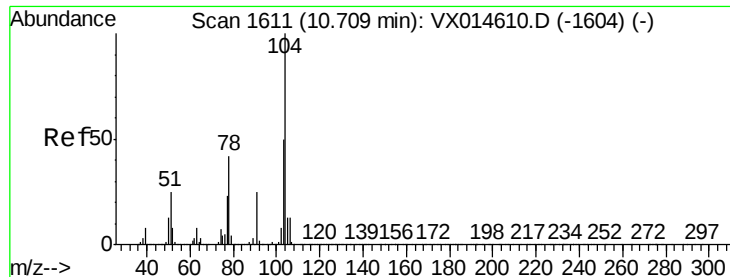
MMDadoda
1/17/2020 11:23:20 AM



#68
o-Xylene
Concen: 19.714 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion:106 Resp: 152487
Ion Ratio Lower Upper
106 100
91 210.7 104.8 314.6





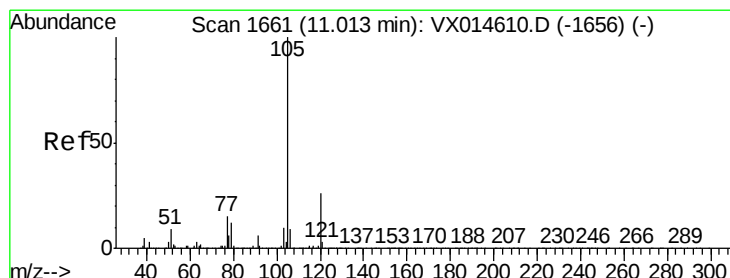
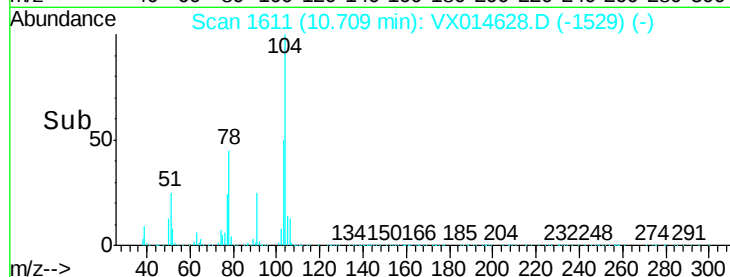
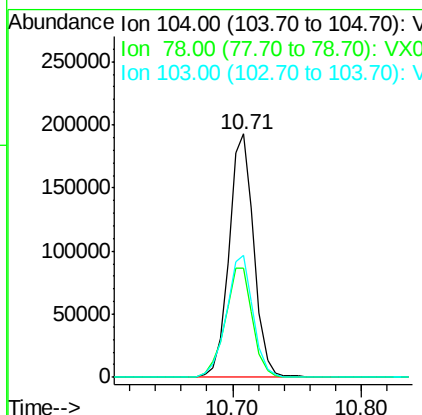
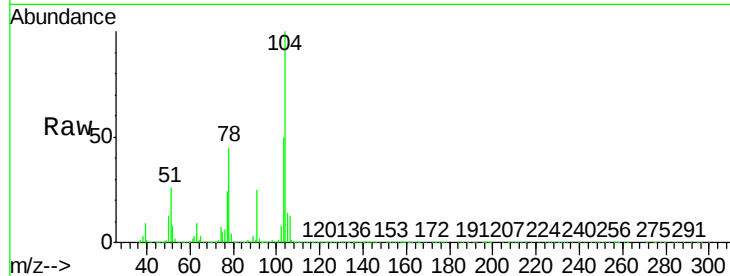
#69
Stvrene
Concen: 19.772 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	259122		
78	50.0	38.9	58.3	
103	53.4	44.2	66.2	

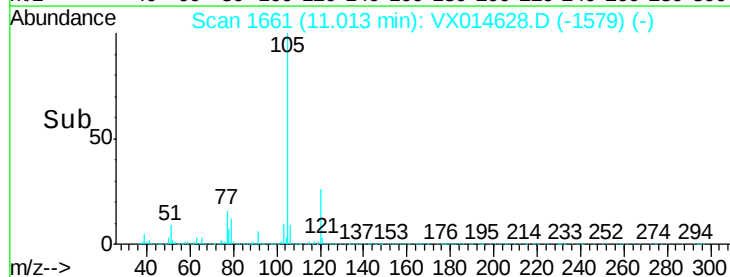
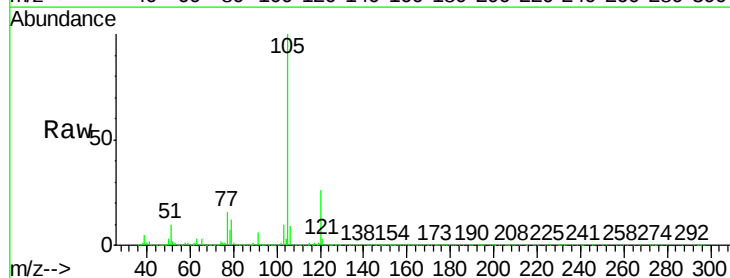
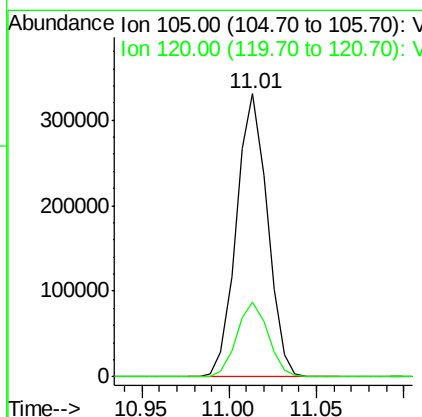
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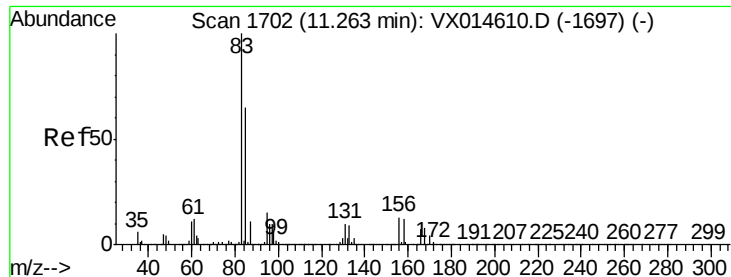
MMDadoda
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#70
Isopropylbenzene
Concen: 20.168 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	408678		
120	26.8	19.1	35.5	





#71

1,1,2,2-Tetrachloroethane

Concen: 19.197 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

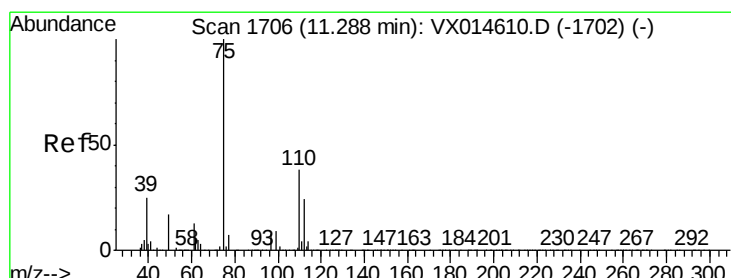
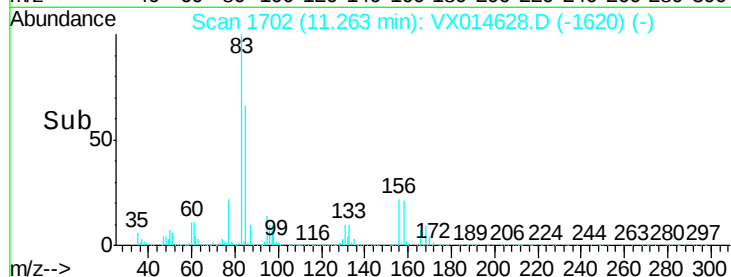
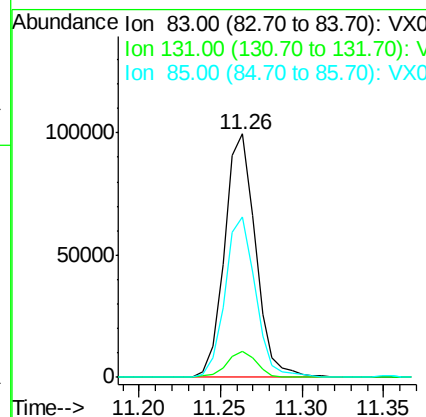
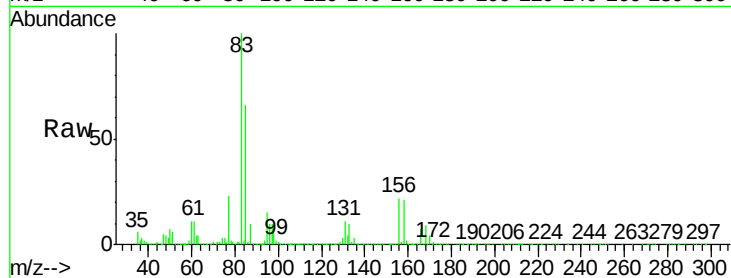
ClientSampled :

VSTDCCC020

Tot Ion:	83	Resp:	131034
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	64.9	31.6	94.7

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#72

1,2,3-Trichloropropane

Concen: 19.585 ug/l m

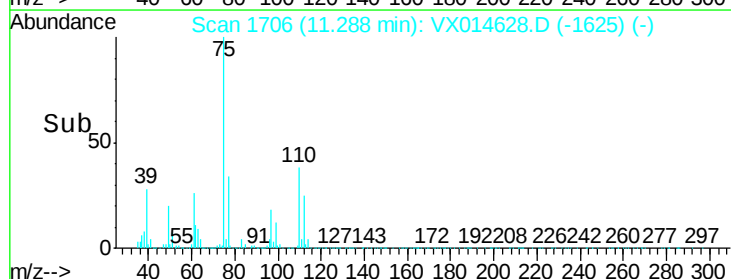
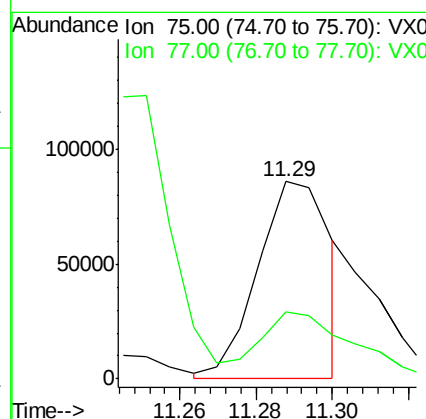
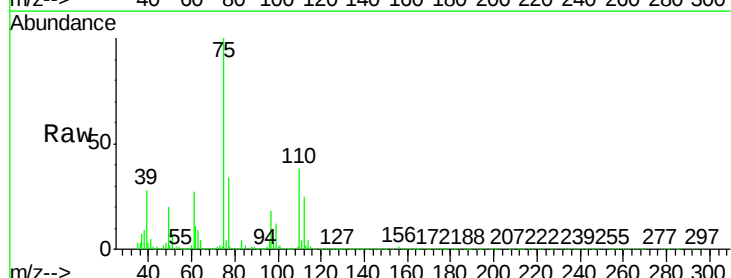
RT: 11.29 min Scan# 1706

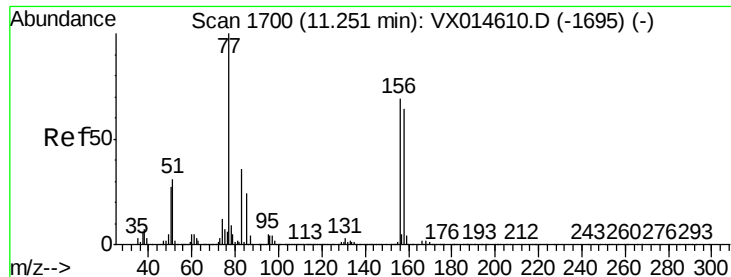
Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion:	75	Resp:	114348
Ion Ratio	Lower	Upper	
75	100		
77	41.9	0.0	68.4





#73

Bromobenzene

Concen: 19.810 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

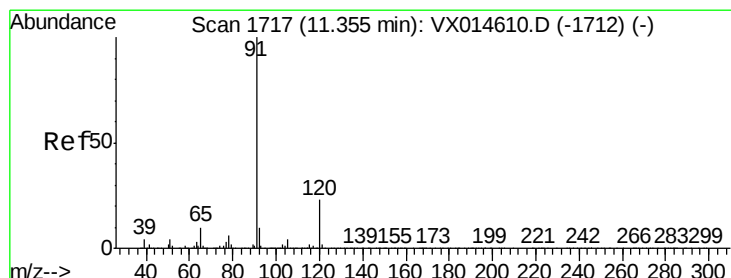
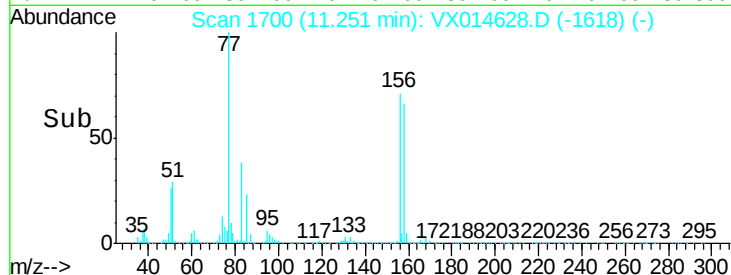
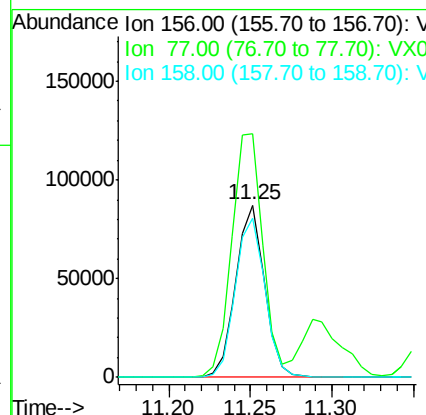
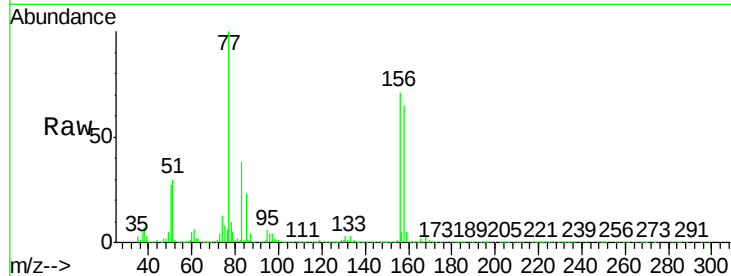
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
156	100	106411		
77	152.6	0.0	304.6	
158	95.6	0.0	195.2	

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#74

n-propylbenzene

Concen: 20.112 ug/l

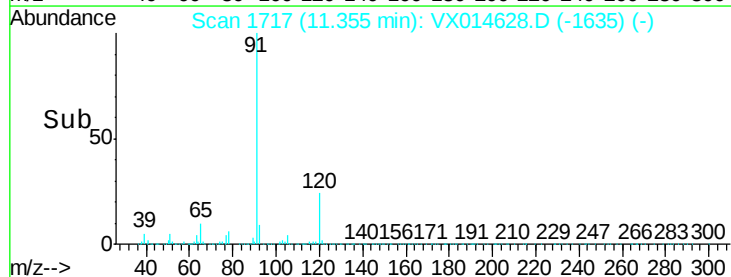
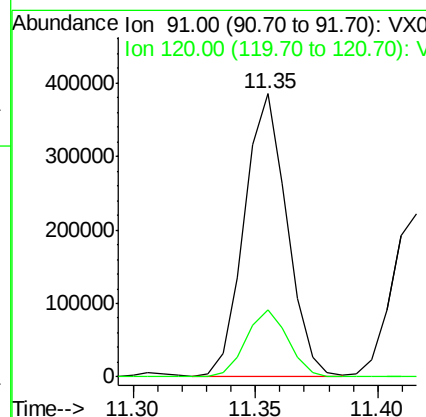
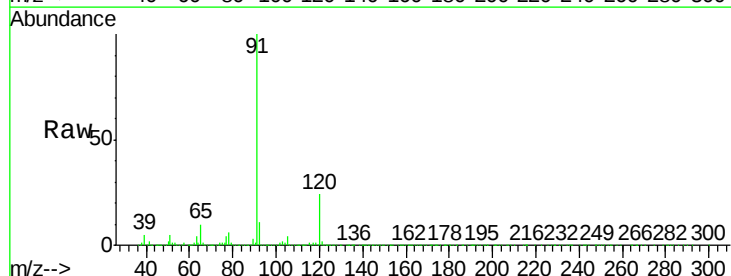
RT: 11.35 min Scan# 1717

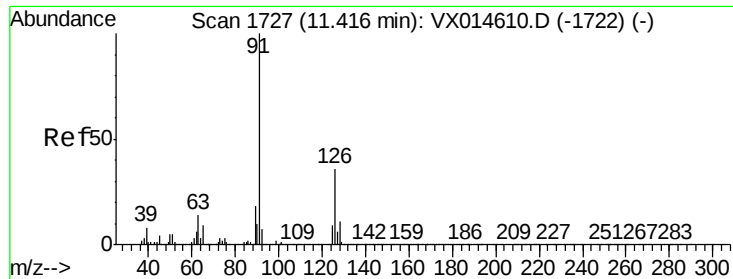
Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	465688		
120	23.2	0.0	44.8	





#75

2-Chlorotoluene

Concen: 20.179 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 280023

Ion Ratio Lower Upper

91 100

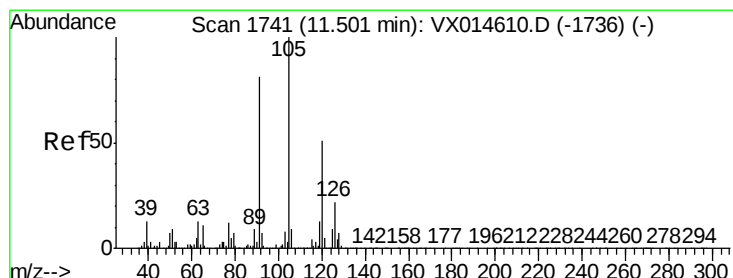
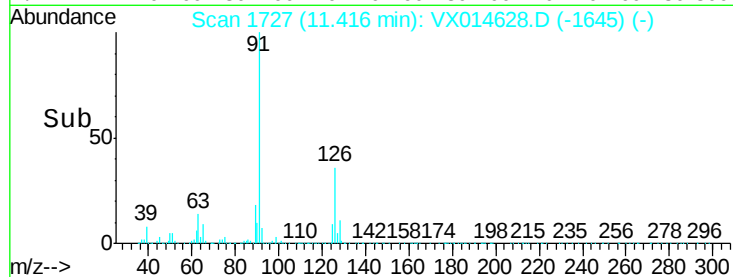
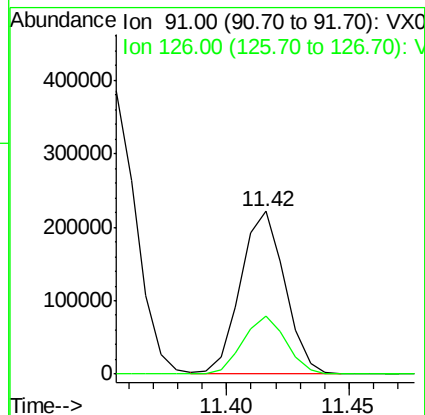
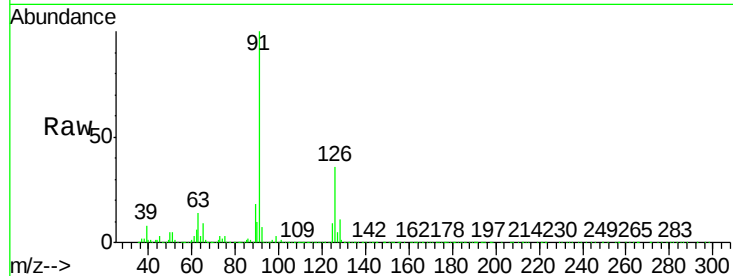
126 34.6 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 20.016 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014628.D

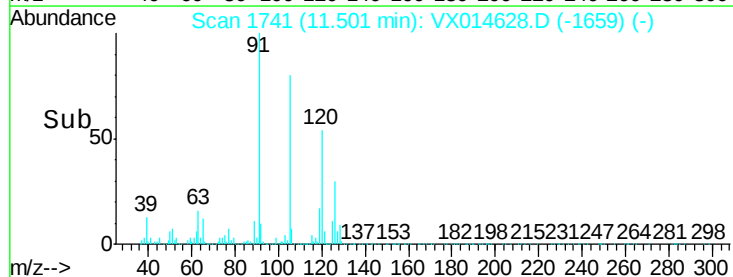
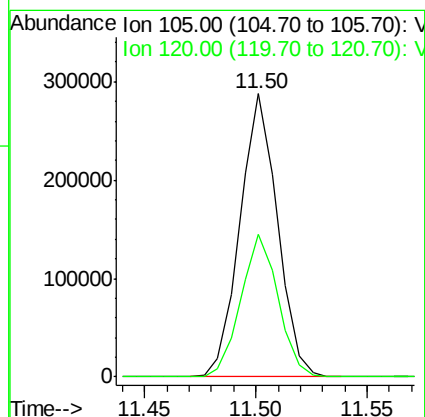
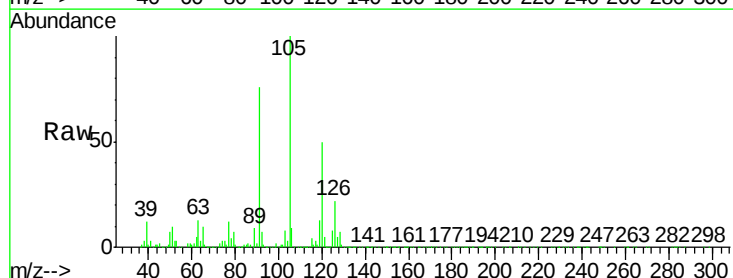
Acq: 16 Jan 2020 10:07

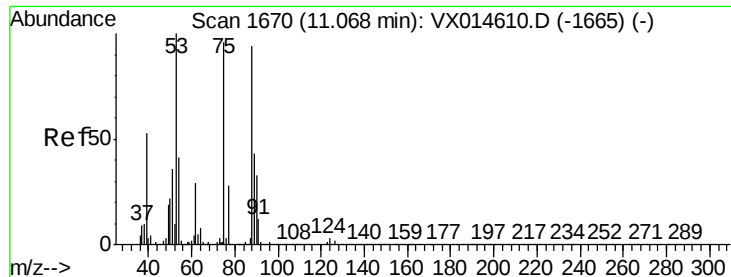
Tgt Ion: 105 Resp: 337962

Ion Ratio Lower Upper

105 100

120 50.2 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.974 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

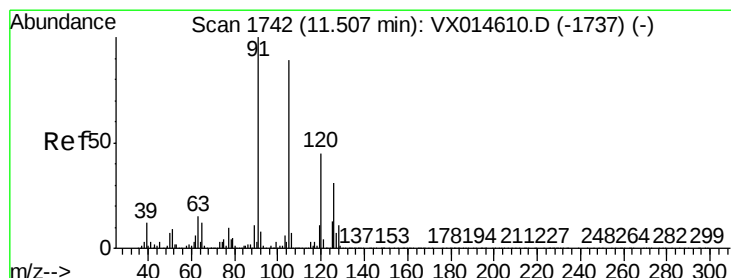
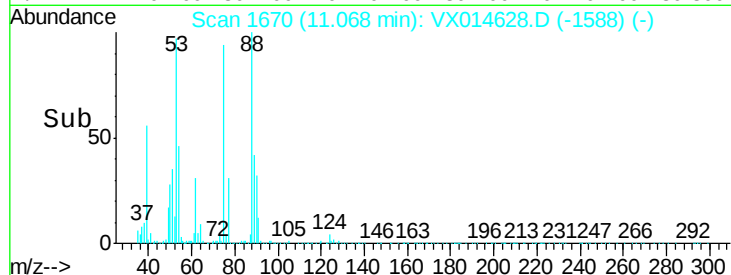
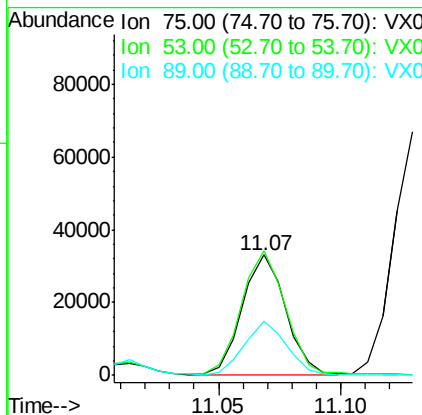
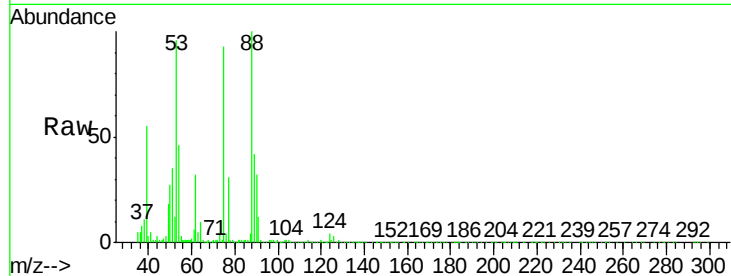
ClientSampled :

VSTDCCC020

Tot Ion:	75	Resp:	40389
Ion	Ratio	Lower	Upper
75	100		
53	103.0	54.4	163.1
89	45.0	21.9	65.5

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#78

4-Chlorotoluene

Concen: 20.021 ug/l

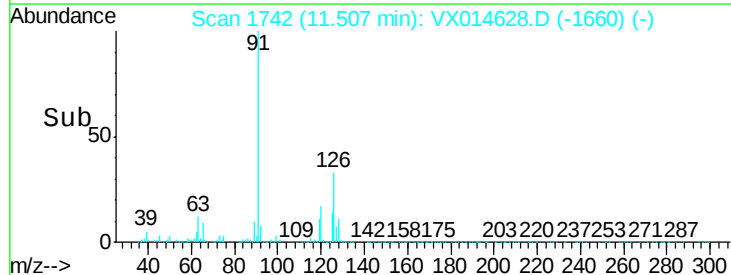
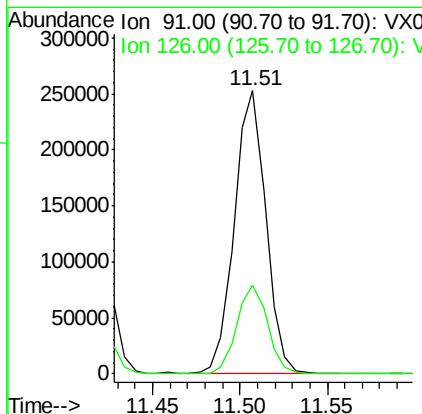
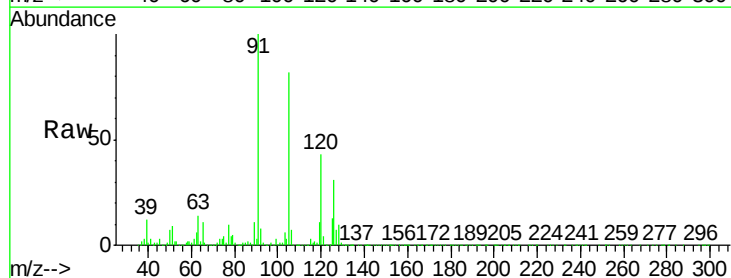
RT: 11.51 min Scan# 1742

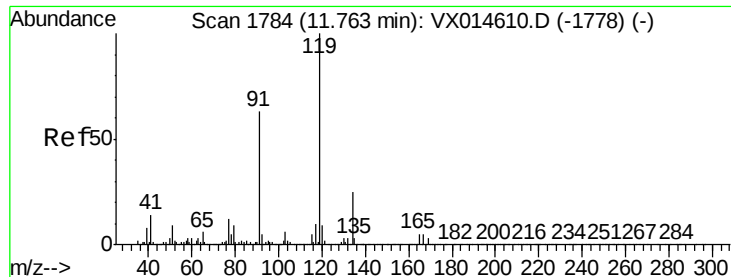
Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion:	91	Resp:	315527
Ion	Ratio	Lower	Upper
91	100		
126	30.8	0.0	59.6





#79

tert-butylbenzene

Concen: 19.906 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

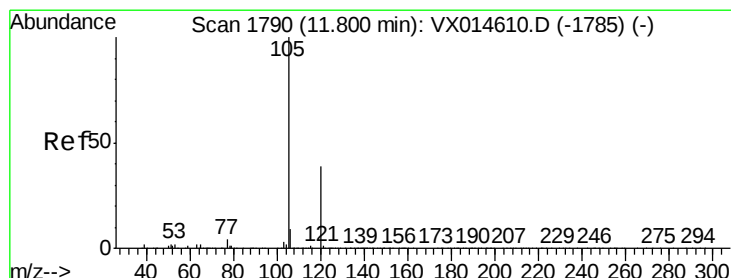
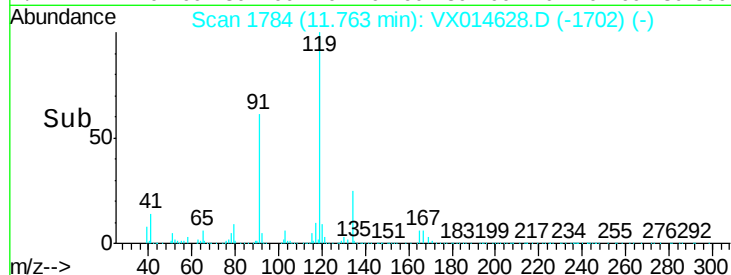
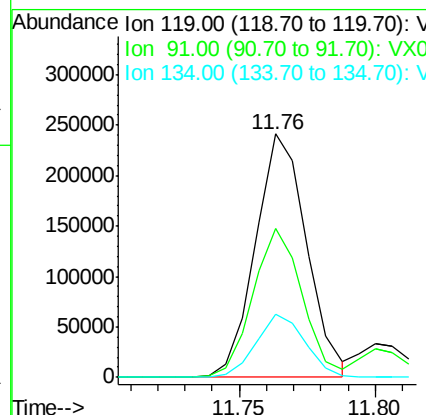
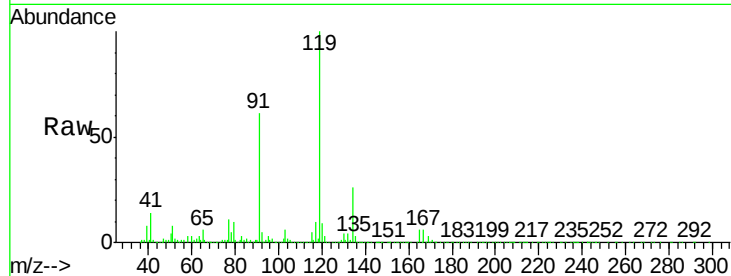
ClientSampleId :

VSTDCCC020

Tot Ion:	119	Resp:	314492
Ion Ratio	Lower	Upper	
119	100		
91	59.1	0.0	112.6
134	25.0	0.0	49.8

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#80

1,2,4-Trimethylbenzene

Concen: 20.479 ug/l

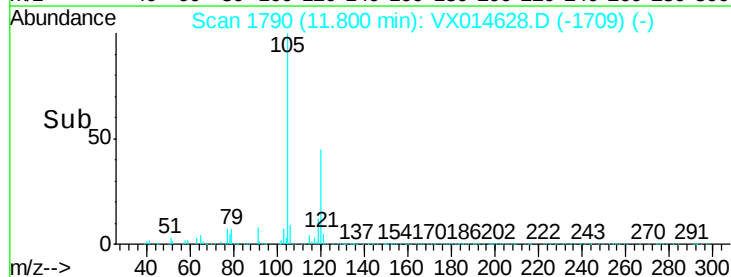
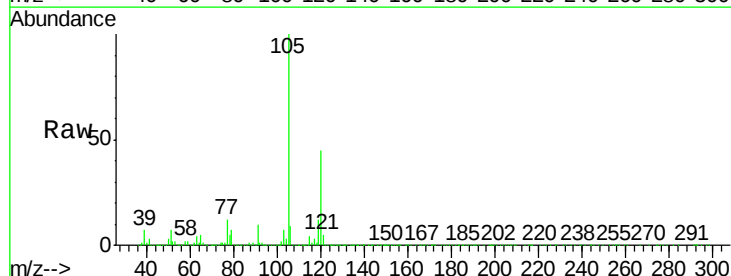
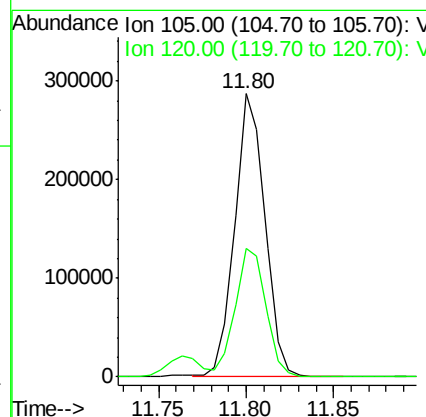
RT: 11.80 min Scan# 1790

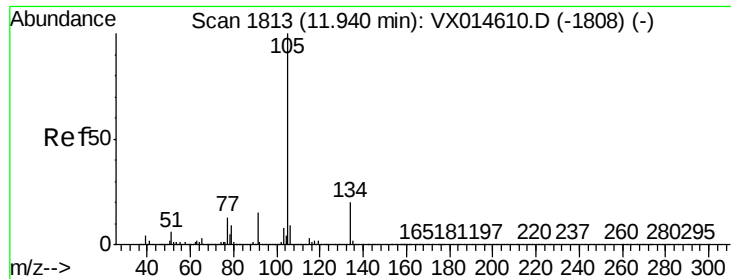
Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Tgt Ion:	105	Resp:	344875
Ion Ratio	Lower	Upper	
105	100		
120	45.7	0.0	92.0





#81

sec-Butylbenzene

Concen: 20.343 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 397711

Ion Ratio Lower Upper

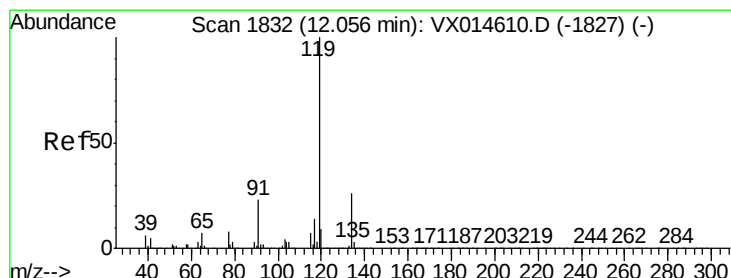
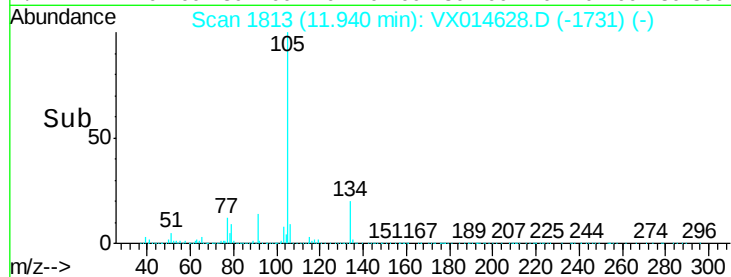
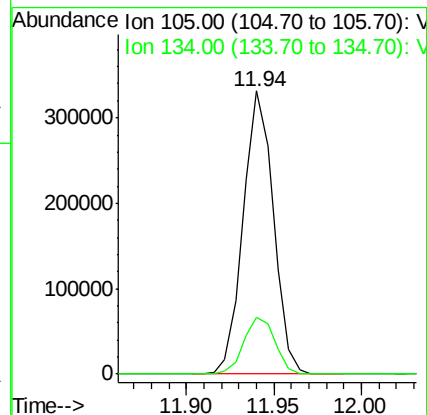
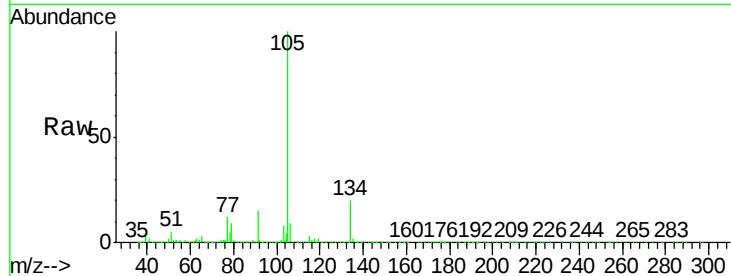
105 100

134 20.9 0.0 40.2

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#82

p-Isopropyltoluene

Concen: 20.225 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014628.D

Acq: 16 Jan 2020 10:07

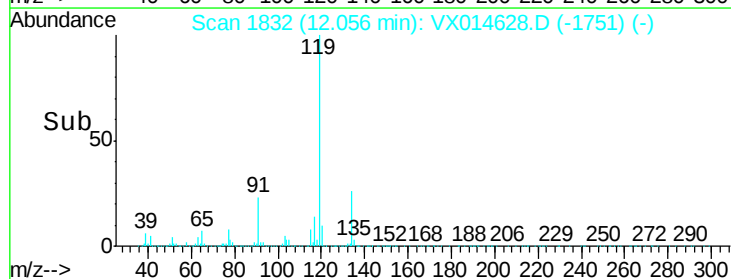
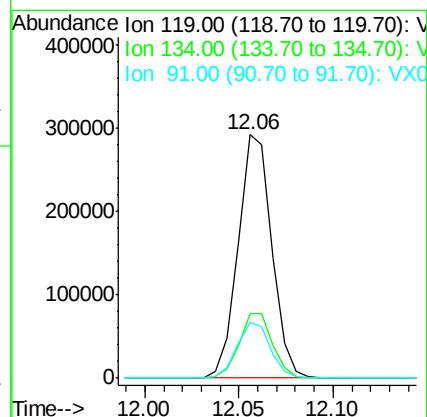
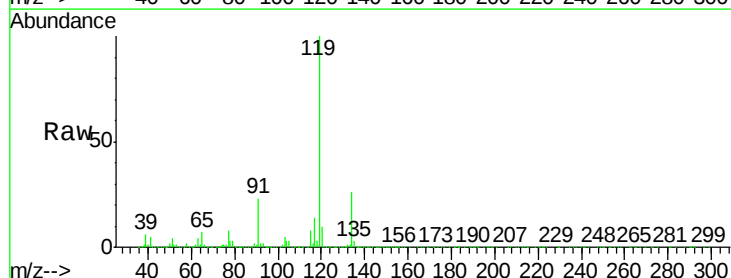
Tgt Ion:119 Resp: 360970

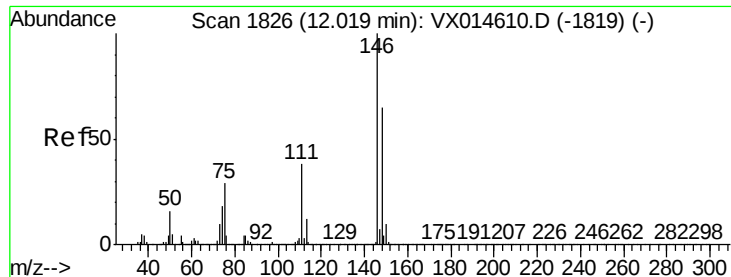
Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.8

91 22.7 0.0 45.0





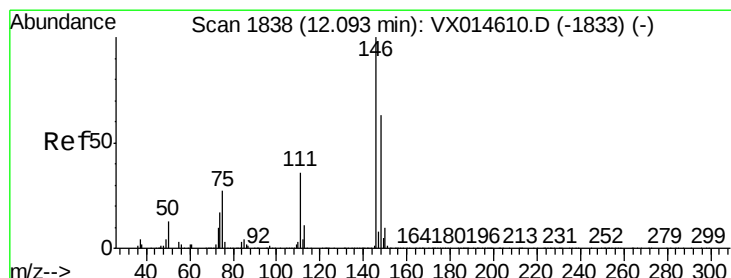
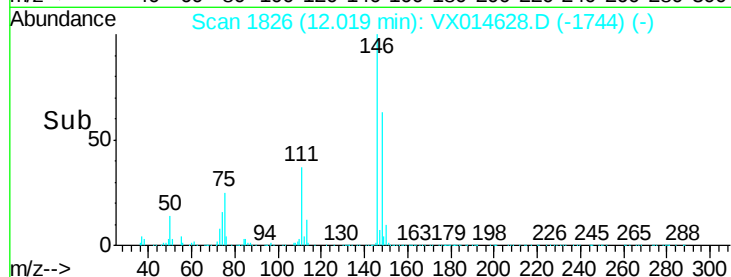
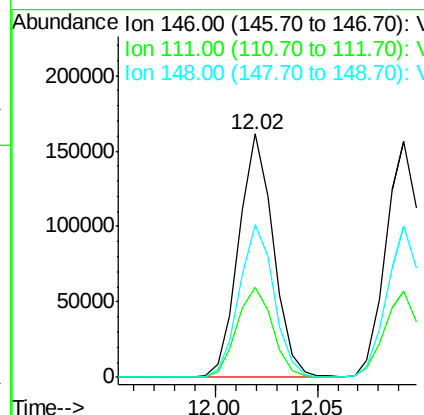
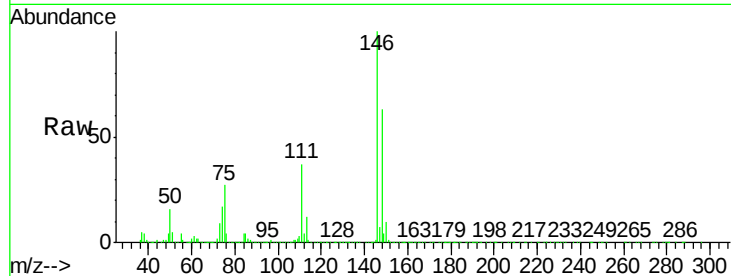
#83
 1,3-Dichlorobenzene
 Concen: 20.199 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.3	57.9
148	62.9	32.2	96.6

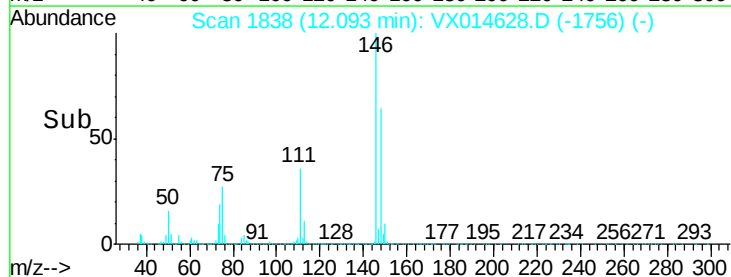
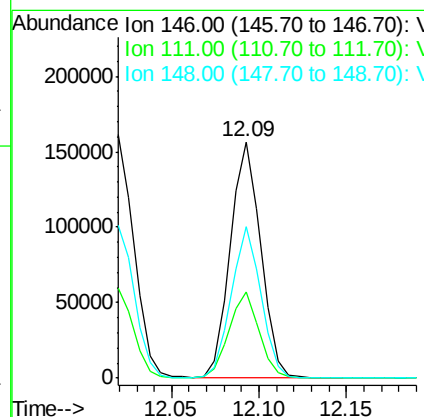
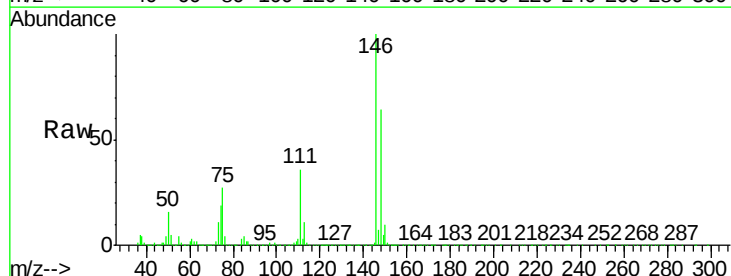
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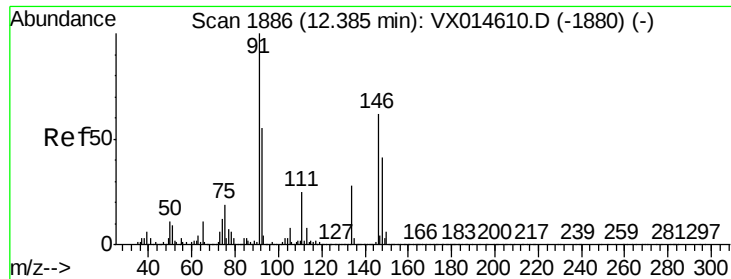
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#84
 1,4-Dichlorobenzene
 Concen: 20.345 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.4	55.4
148	62.9	32.0	96.0





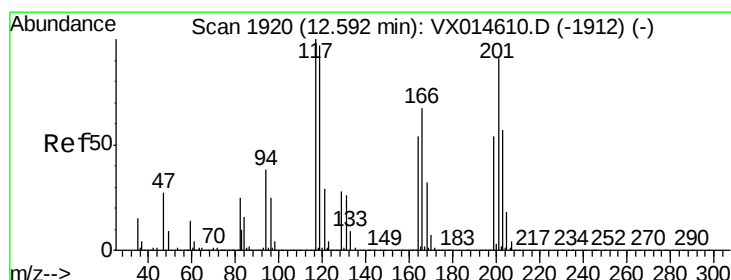
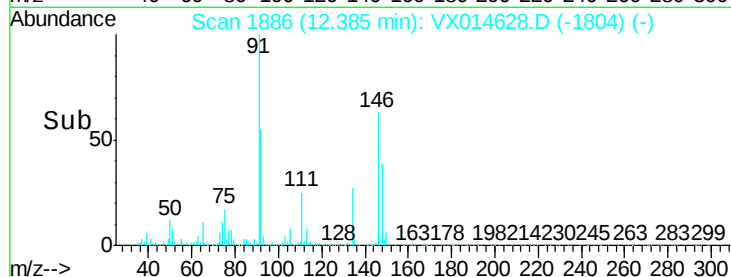
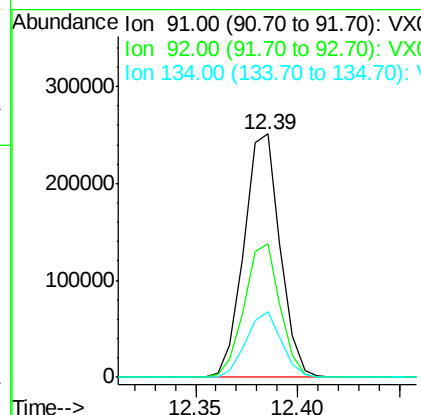
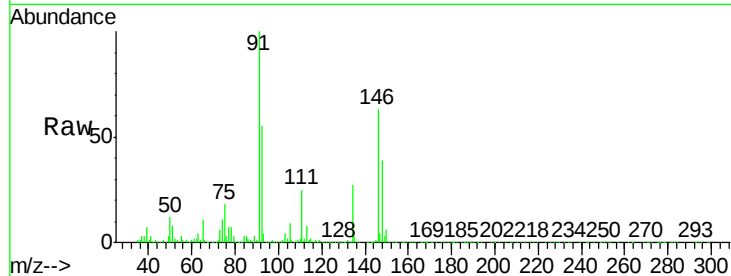
#85
n-Butylbenzene
Concen: 19.707 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	307730		
92	54.3	0.0	109.0	
134	26.3	0.0	54.0	

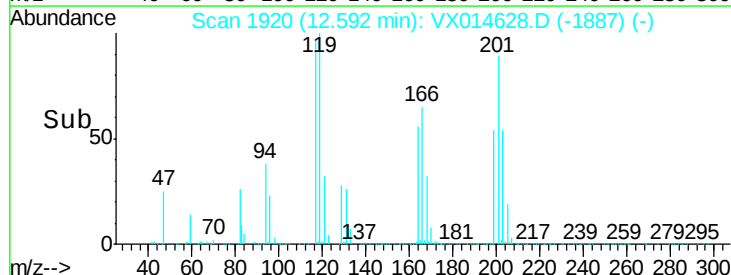
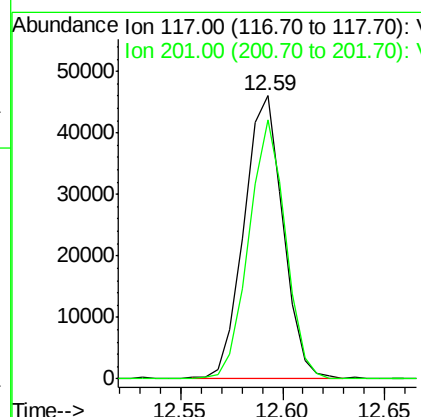
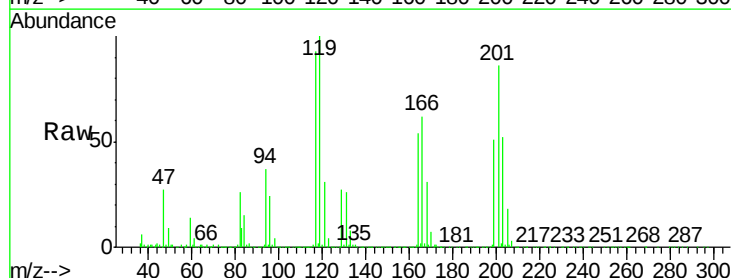
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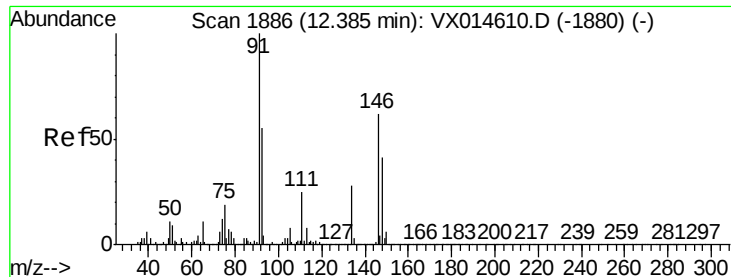
MMDadoda
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#86
Hexachloroethane
Concen: 18.903 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60499		
201	87.1	44.8	134.3	





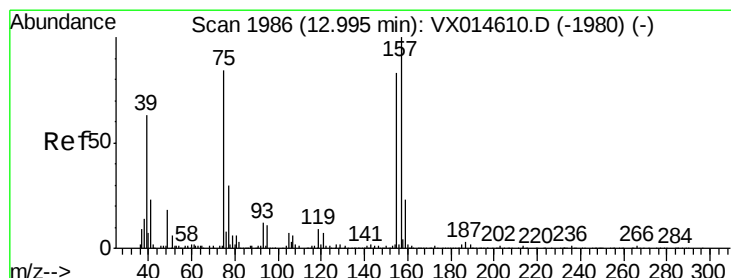
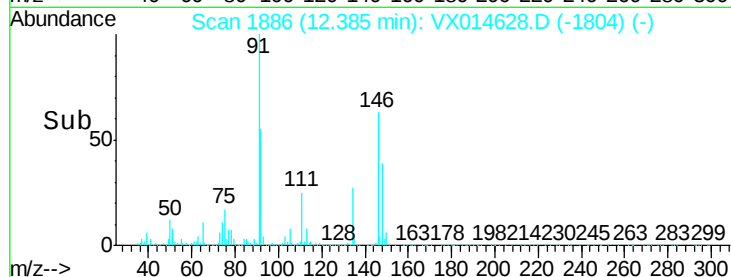
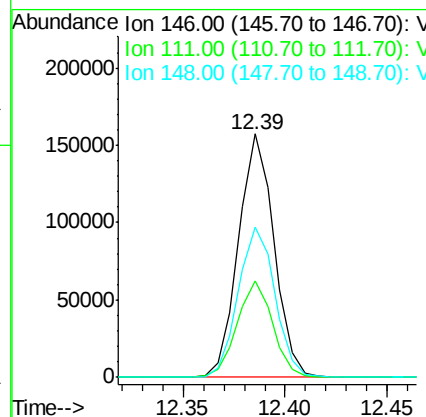
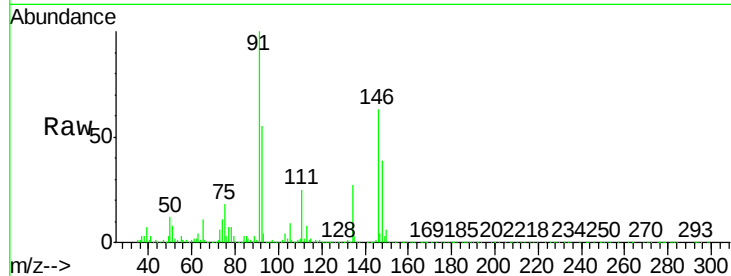
#87
 1,2-Dichlorobenzene
 Concen: 20.021 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189469		
111	39.6	20.1	60.2	
148	63.7	32.0	96.2	

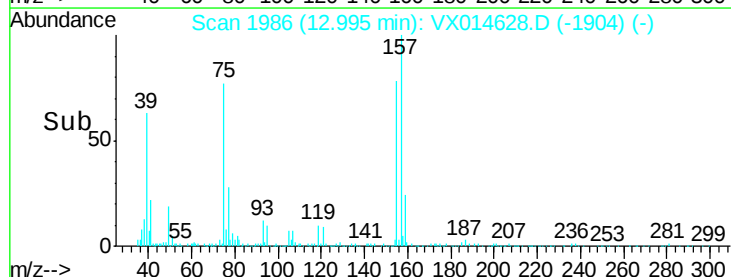
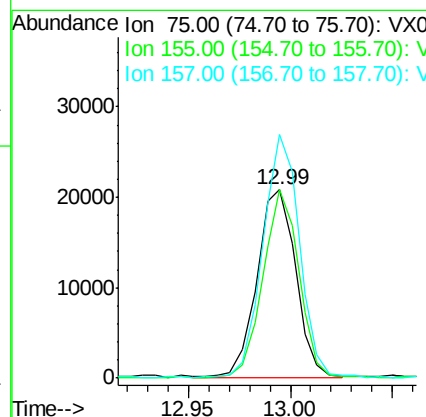
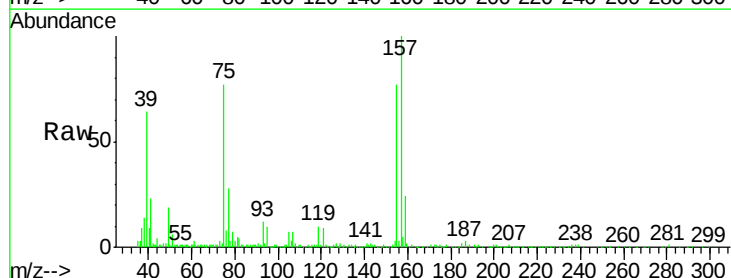
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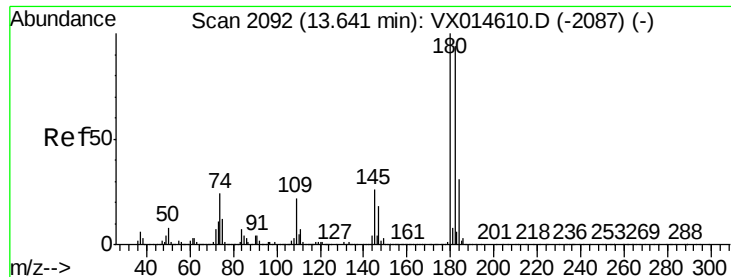
MMDadoda
 1/17/2020 11:23:20 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.788 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014628.D
 Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27394		
155	93.2	73.8	110.6	
157	122.8	95.0	142.4	





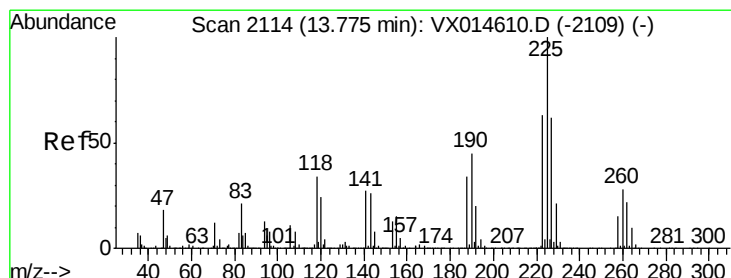
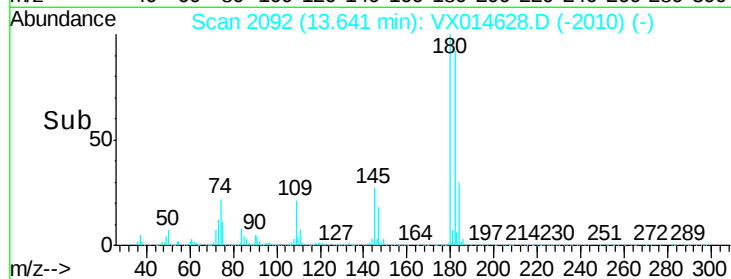
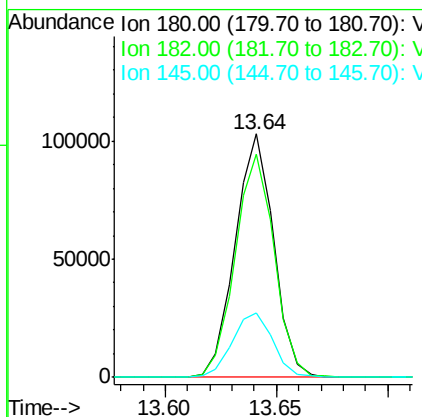
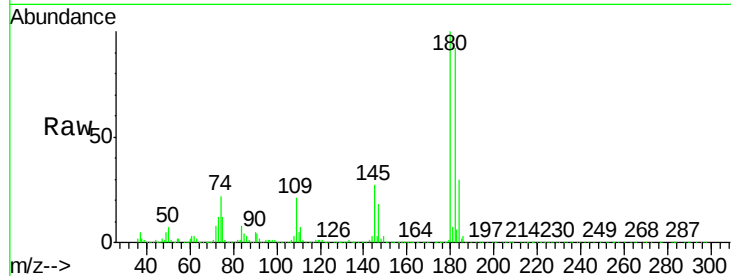
#89
1,2,4-Trichlorobenzene
Concen: 19.736 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123283		
182	93.3	76.4	114.6	
145	28.2	21.9	32.9	

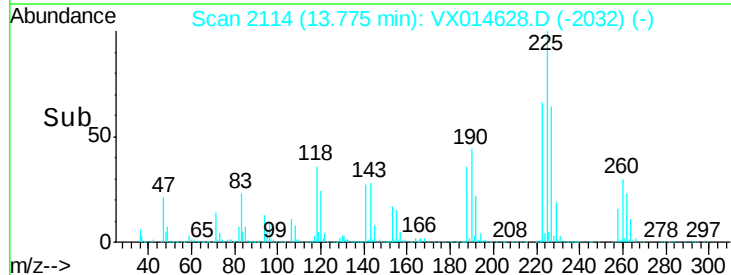
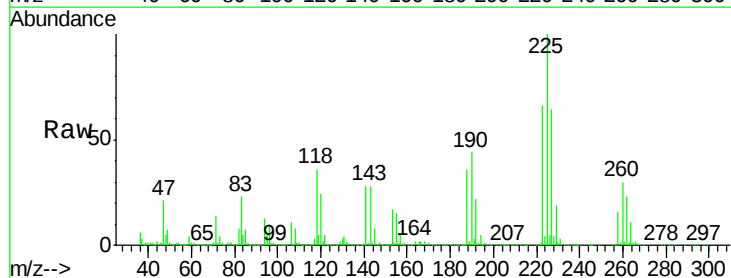
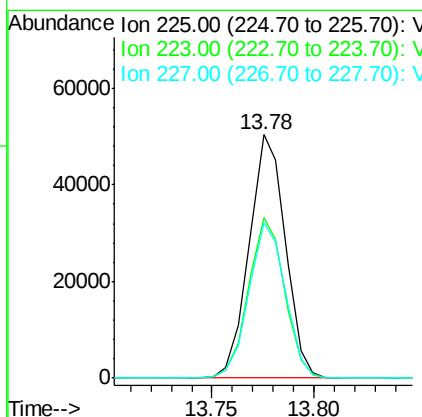
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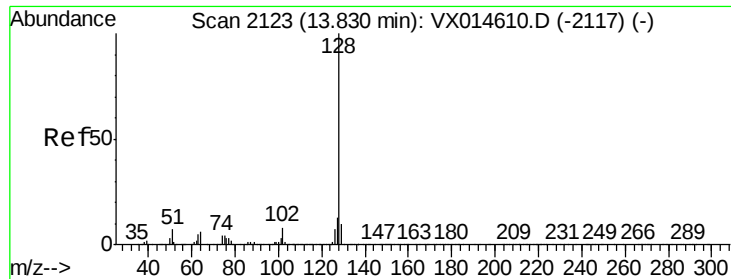
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1/17/2020 11:23:20 AM



#90
Hexachlorobutadiene
Concen: 19.965 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62315		
223	65.6	0.0	127.4	
227	64.1	0.0	122.8	





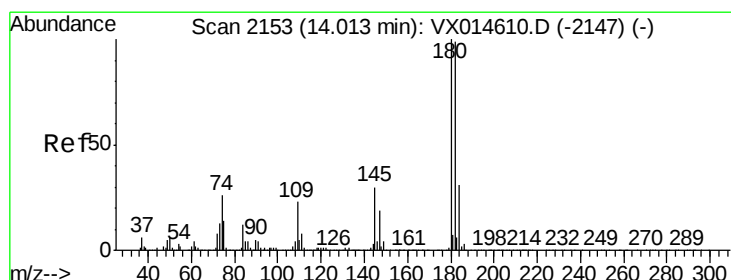
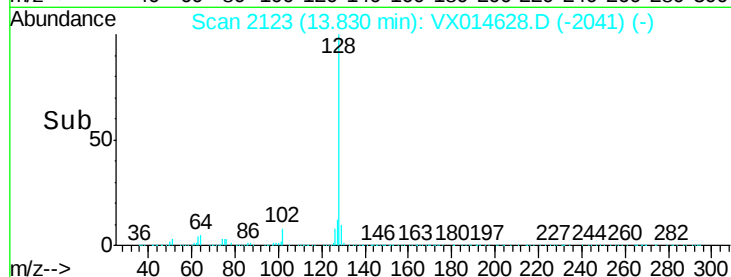
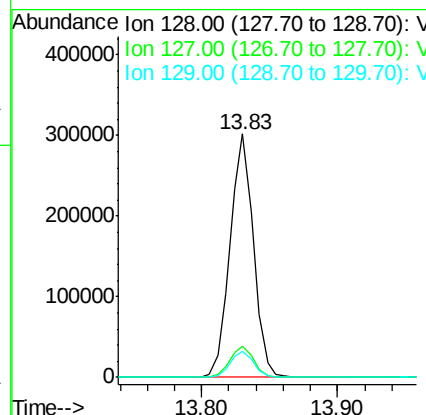
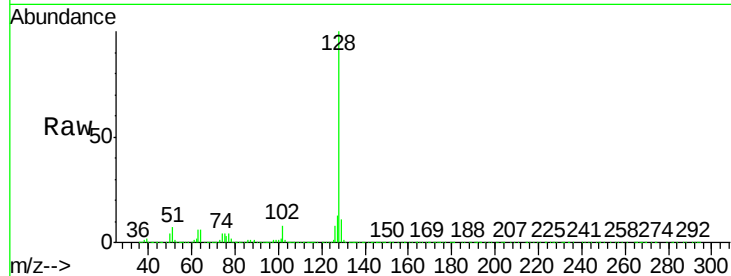
#91
Naphthalene
Concen: 19.025 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		358729		
127	12.8		10.4	15.6	
129	10.9		8.9	13.3	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.886 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014628.D
Acq: 16 Jan 2020 10:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		126440		
182	94.4		0.0	192.8	
145	29.7		0.0	60.0	

