

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008177.D
 Acq On : 18 Mar 2019 20:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:36:39 AM

Quant Time: Mar 19 03:35:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	49858	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	273684	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	240702	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	126279	30.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.50%
60) 4-Bromofluorobenzene	11.13	95	120180	29.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.73%
63) Toluene-d8	8.71	98	354426	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	43307	19.385	ug/l 97
3) Chloromethane	1.33	50	55704	19.781	ug/l 98
4) Vinyl Chloride	1.41	62	55199	19.009	ug/l 99
5) Bromomethane	1.65	94	34096	14.745	ug/l 99
6) Chloroethane	1.73	64	35648	19.638	ug/l 99
7) Trichlorofluoromethane	1.93	101	70860	19.380	ug/l 93
8) Diethyl Ether	2.19	74	41306	20.923	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49938	20.136	ug/l 92
10) 1,1-Dichloroethene	2.38	96	49033	20.929	ug/l 88
11) Methyl Iodide	2.51	142	61067	20.479	ug/l 100
12) Methyl Acetate	2.78	43	81625	21.287	ug/l 92
13) Acrolein	2.29	56	52454	88.954	ug/l 99
14) Acrylonitrile	3.14	53	171678	100.899	ug/l 97
15) Acetone	2.45	58	50448	92.278	ug/l 95
16) Carbon Disulfide	2.57	76	147355	19.729	ug/l 98
17) Allyl chloride	2.73	41	102998	20.115	ug/l 97
18) Methylene Chloride	2.86	84	56325	20.633	ug/l 84
19) trans-1,2-Dichloroethene	3.17	96	50867	20.210	ug/l 86
20) Diisopropyl ether	3.85	45	210354	20.976	ug/l # 79
21) 1,1-Dichloroethane	3.70	63	107820	21.068	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	58574	20.414	ug/l # 83
23) tert-Butyl Alcohol	3.04	59	64139	102.317	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	178581	21.012	ug/l 98
25) Chloroform	5.21	83	100455	20.807	ug/l 95
26) Cyclohexane	5.59	56	98337	20.155	ug/l # 84
29) 1,1-Dichloropropene	5.81	75	74944	20.575	ug/l 93
30) 2-Butanone	4.67	43	247828	97.060	ug/l 94
31) 2,2-Dichloropropane	4.59	77	68579m	18.668	ug/l
32) 1,1,1-Trichloroethane	5.50	97	80598	20.890	ug/l # 94
33) Carbon Tetrachloride	5.79	117	66514	20.542	ug/l 97
34) Benzene	6.15	78	229532	21.073	ug/l 97
35) Methacrylonitrile	5.04	41	52813	21.260	ug/l 87
36) 1,2-Dichloroethane	6.20	62	85455	21.616	ug/l 97
37) Trichloroethene	7.21	130	52924	20.390	ug/l 85
38) Methylcyclohexane	7.46	83	85356	19.292	ug/l 88
39) 1,2-Dichloropropane	7.51	63	62321	21.009	ug/l 98
40) Dibromomethane	7.66	93	38626	21.268	ug/l 88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	71295	20.301	ug/l	99
42) Vinyl Acetate	3.82	43	910376	106.016	ug/l #	94
43) Ethyl Acetate	4.84	43	98083m	21.667	ug/l	
44) Isopropyl Acetate	6.45	43	149004	21.221	ug/l	97
45) 1,4-Dioxane	7.74	88	26651	406.324	ug/l #	85
46) Methyl methacrylate	7.77	41	77147	20.824	ug/l	91
47) n-amyl Acetate	10.90	43	123838	20.640	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	75170	19.366	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	84714	19.617	ug/l	92
50) 1,1,2-Trichloroethane	9.21	97	55483	21.278	ug/l	97
51) Ethyl methacrylate	9.18	69	88144	20.852	ug/l	93
52) 1,3-Dichloropropane	9.37	76	98783	21.158	ug/l	99
53) Dibromochloromethane	9.58	129	50997	20.226	ug/l	98
54) 1,2-Dibromoethane	9.67	107	56963	20.931	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	323083	107.354	ug/l	95
56) Bromoform	10.85	173	34937	19.260	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	488562	106.129	ug/l	96
59) 2-Hexanone	9.49	43	369695	101.787	ug/l	96
61) Tetrachloroethene	9.34	164	50675	20.904	ug/l	97
62) Toluene	8.79	91	234762	20.623	ug/l	99
64) Chlorobenzene	10.13	112	140204	20.694	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	48406	20.376	ug/l	96
66) Ethyl Benzene	10.25	91	245190	20.166	ug/l	95
67) m/p-Xylenes	10.36	106	179699	40.007	ug/l	91
68) o-Xylene	10.69	106	88454	20.494	ug/l	92
69) Styrene	10.71	104	142602	20.283	ug/l	96
70) Isopropylbenzene	11.02	105	235396	20.226	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	86949	21.329	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	86617m	24.639	ug/l	
73) Bromobenzene	11.26	156	55530	20.156	ug/l	78
74) n-propylbenzene	11.36	91	270076	19.600	ug/l	95
75) 2-Chlorotoluene	11.42	91	165574	20.454	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	192750	20.028	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	23425	18.544	ug/l	97
78) 4-Chlorotoluene	11.51	91	184720	19.810	ug/l	91
79) tert-butylbenzene	12.06	119	192566	19.649	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	195672	20.143	ug/l	97
81) sec-Butylbenzene	11.94	105	226258	19.686	ug/l	97
82) p-Isopropyltoluene	12.06	119	192566	19.649	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	96790	19.604	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	96852	19.765	ug/l	96
85) n-Butylbenzene	12.38	91	170031	18.399	ug/l	96
86) Hexachloroethane	12.60	117	32234	19.187	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	99368	20.198	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	17620	19.518	ug/l #	75
89) 1,2,4-Trichlorobenzene	13.65	180	61139	19.078	ug/l	99
90) Hexachlorobutadiene	13.78	225	31068	18.682	ug/l	99
91) Naphthalene	13.83	128	204122	19.666	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	62500	19.527	ug/l	98

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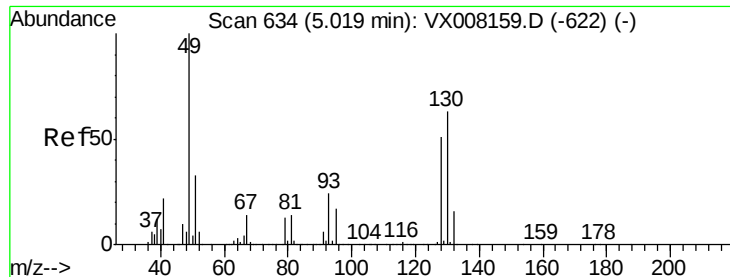
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 49858

Ion Ratio Lower Upper

128 100

49 198.8 0.0 350.8

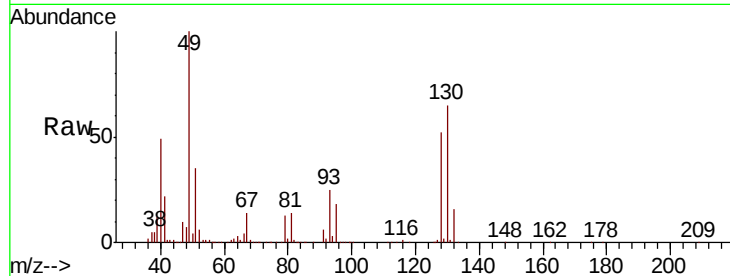
130 129.8 0.0 325.8

Manual Integrations

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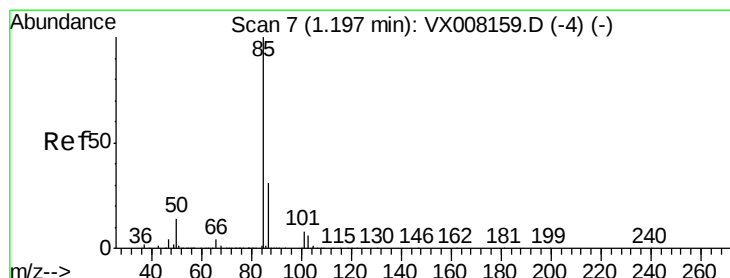
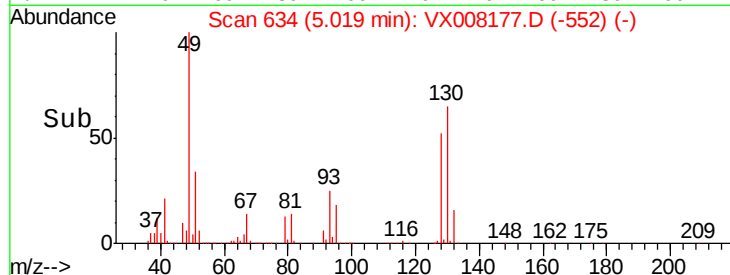
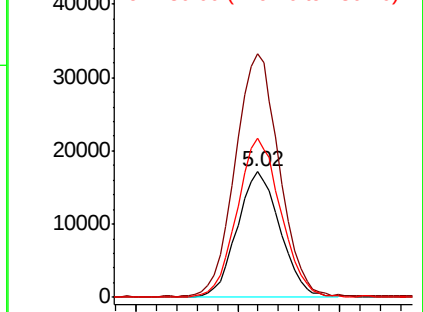
3/19/2019 9:36:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.385 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008177.D

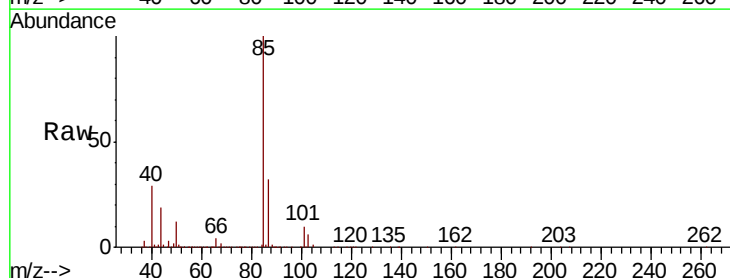
Acq: 18 Mar 2019 20:14

Tgt Ion: 85 Resp: 43307

Ion Ratio Lower Upper

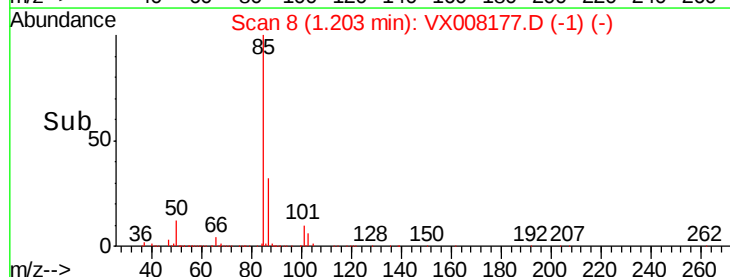
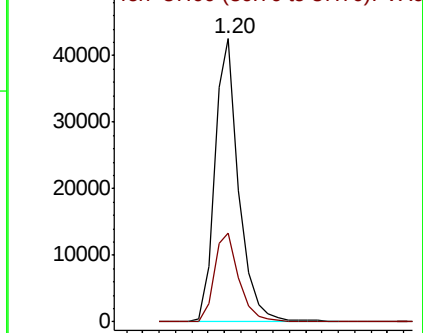
85 100

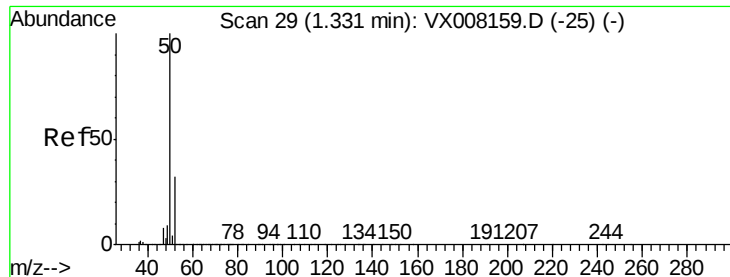
87 31.5 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.781 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 55704

Ion Ratio Lower Upper

50 100

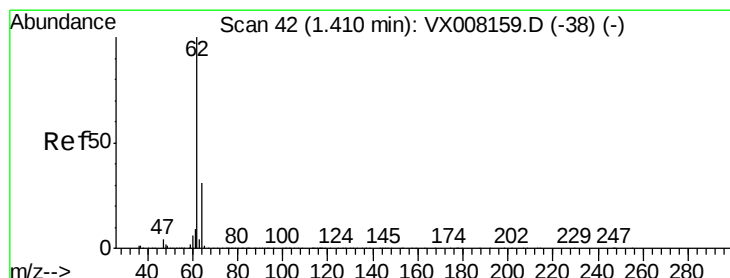
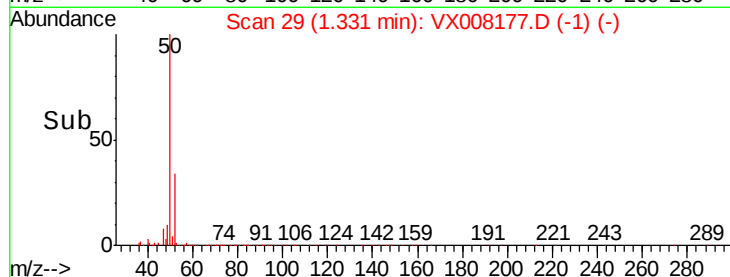
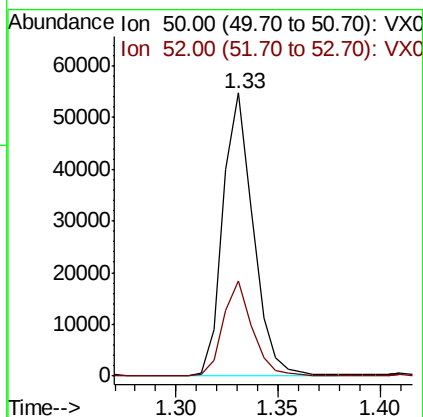
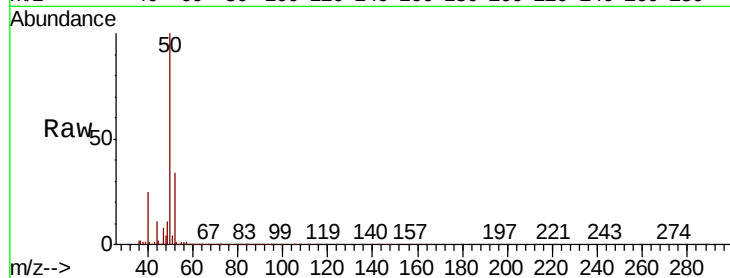
52 33.5 27.5 41.3

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#4

Vinyl Chloride

Concen: 19.009 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008177.D

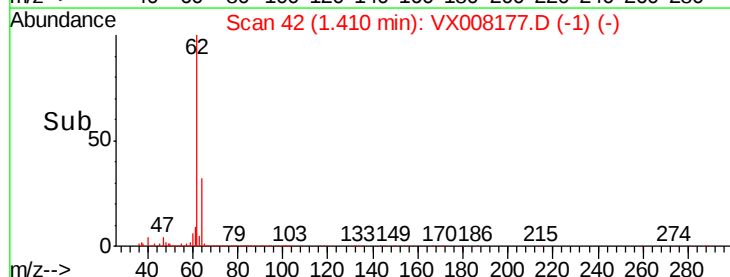
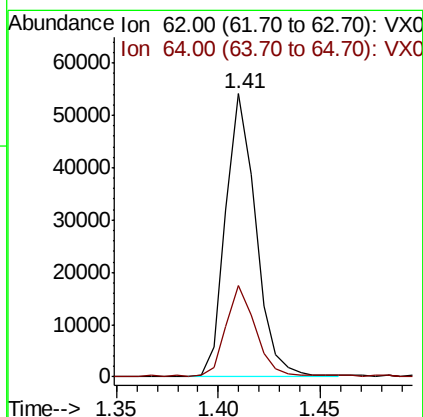
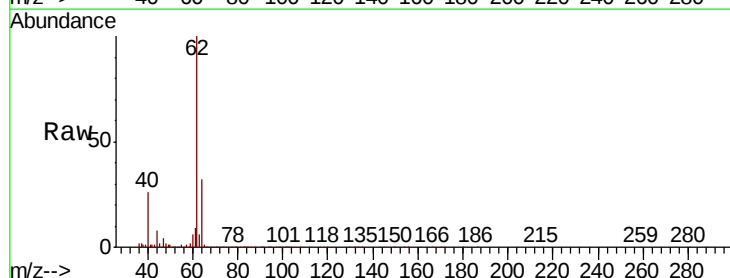
Acq: 18 Mar 2019 20:14

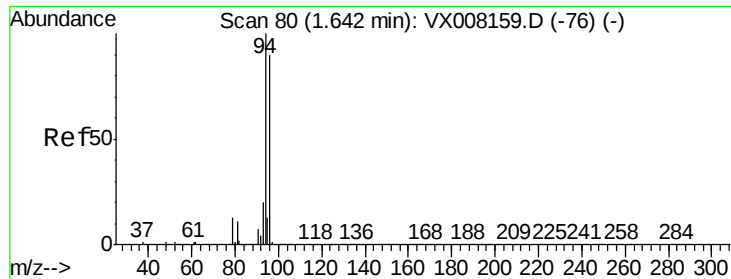
Tgt Ion: 62 Resp: 55199

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 14.745 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 34096

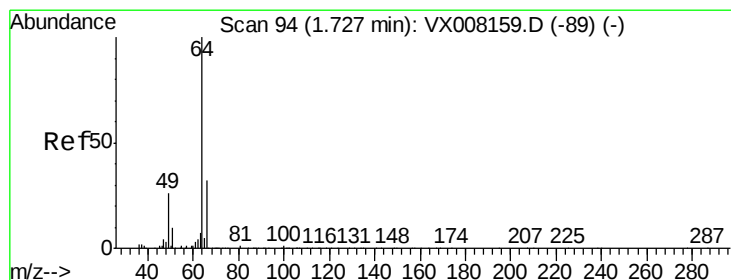
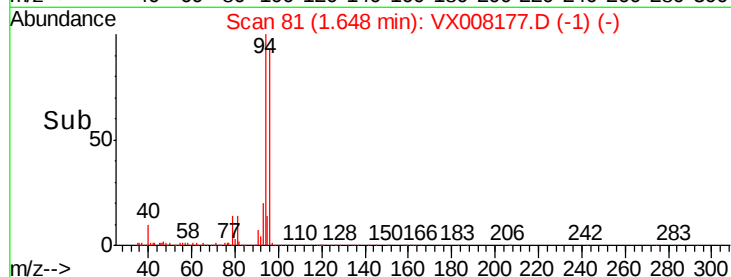
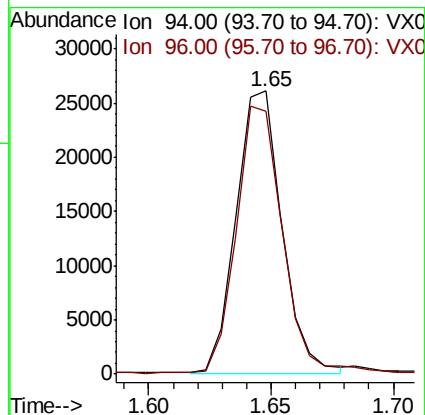
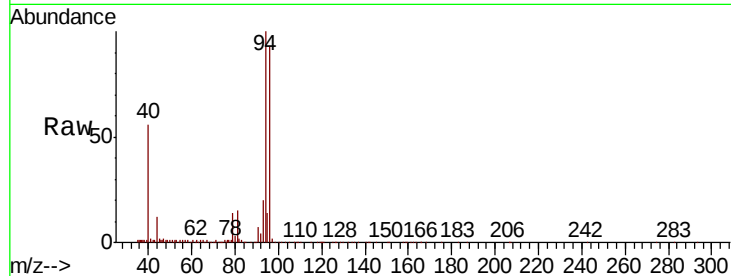
Ion Ratio Lower Upper

94 100

96 93.1 75.6 113.4

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#6

Chloroethane

Concen: 19.638 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX008177.D

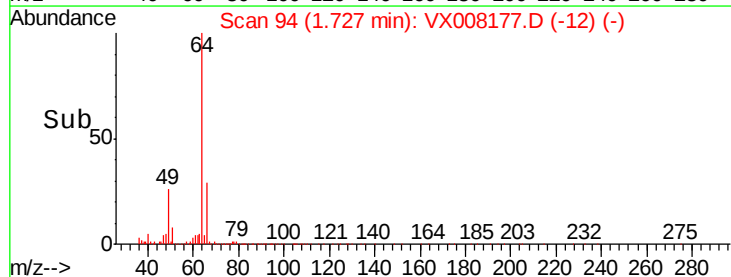
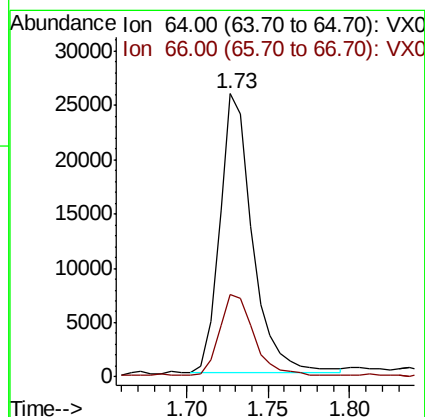
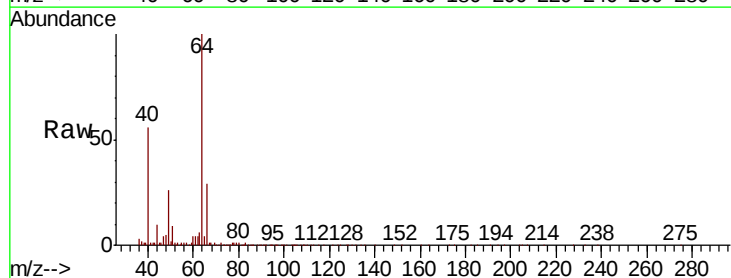
Acq: 18 Mar 2019 20:14

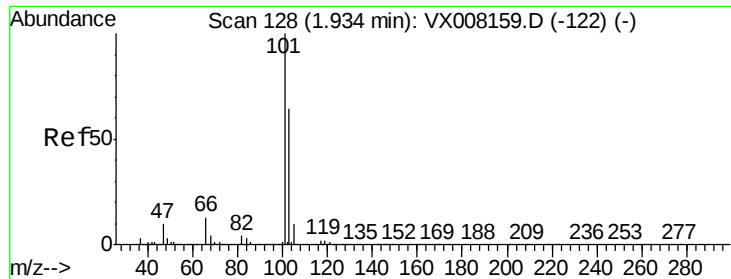
Tgt Ion: 64 Resp: 35648

Ion Ratio Lower Upper

64 100

66 29.2 23.9 35.9





#7

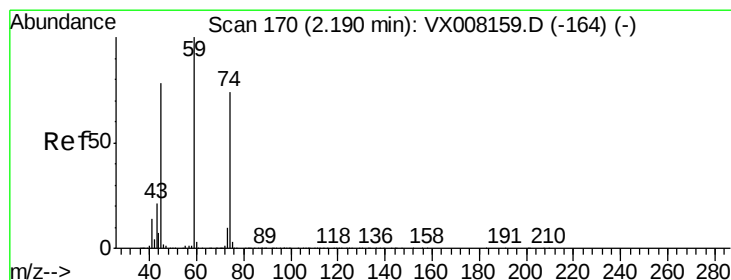
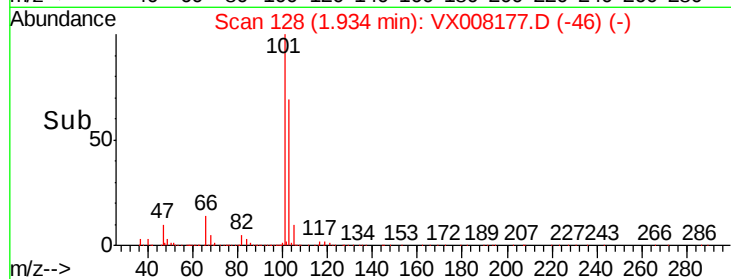
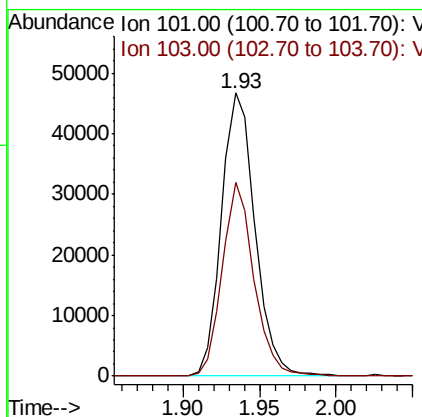
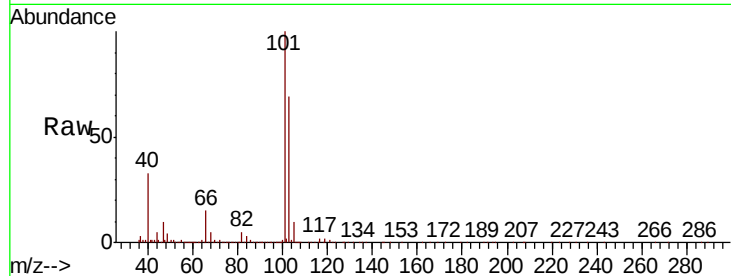
Trichlorofluoromethane
Concen: 19.380 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	50.4	75.6

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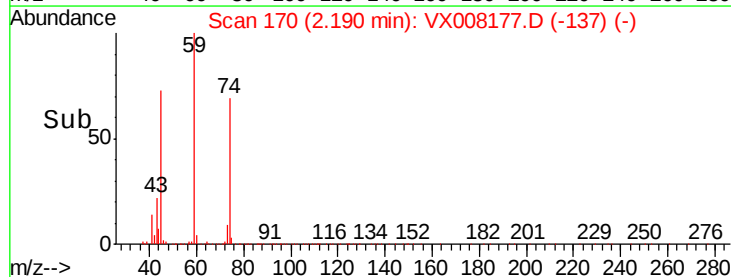
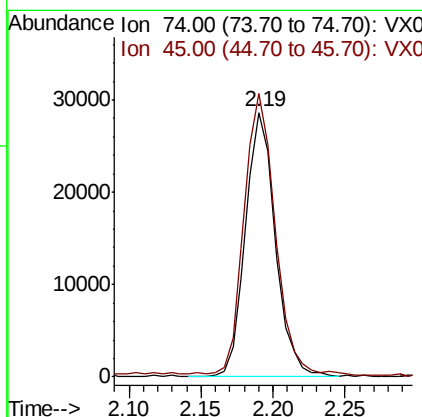
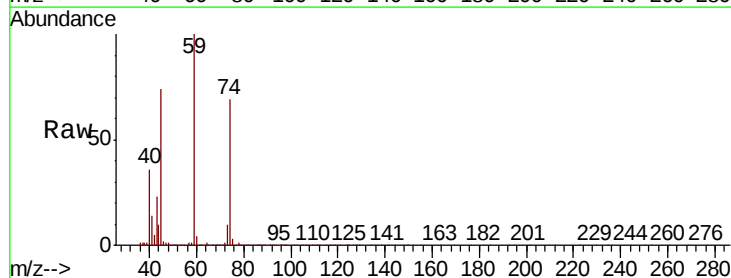
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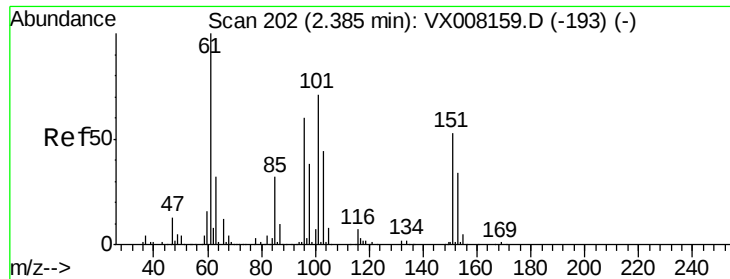


#8

Diethyl Ether
Concen: 20.923 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.9	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.136 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

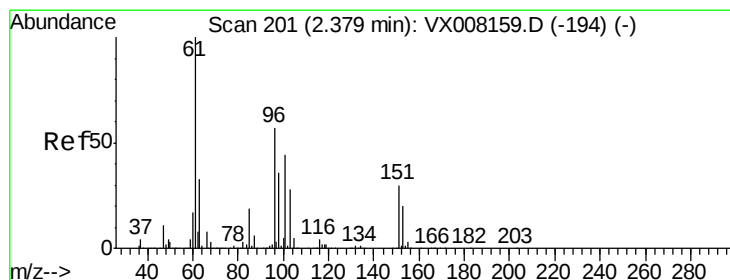
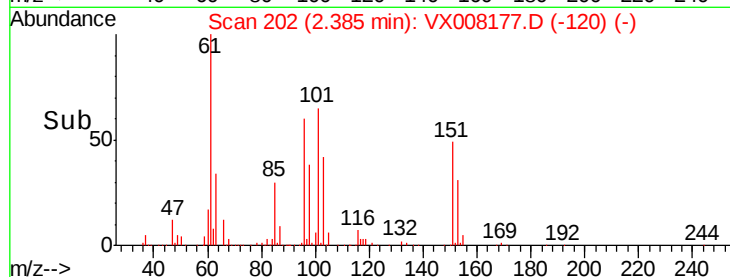
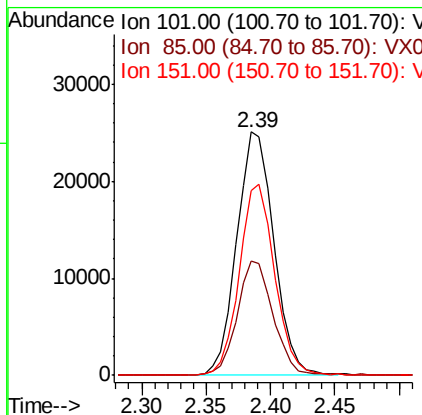
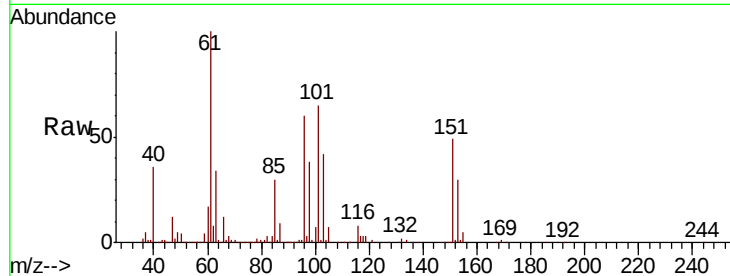
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	49938
Ion Ratio	Lower	Upper	
101	100		
85	45.8	0.0	86.8
151	75.1	0.0	169.2

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#10

1,1-Dichloroethene

Concen: 20.929 ug/l

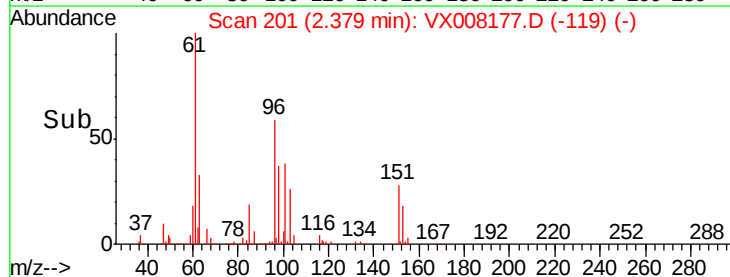
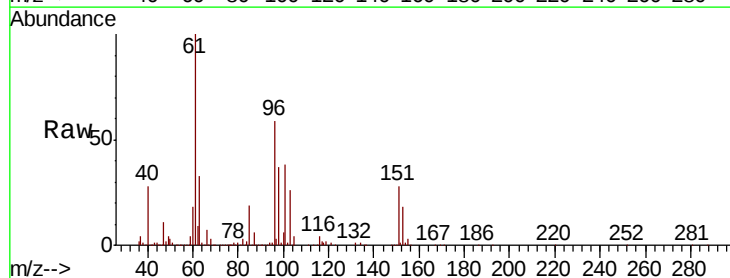
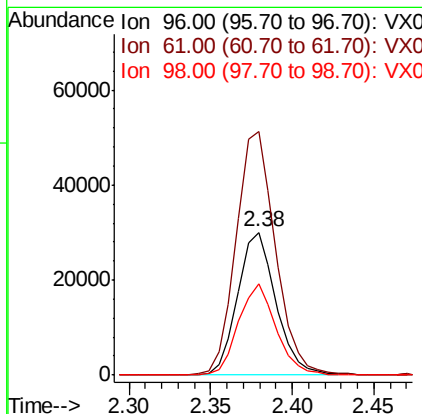
RT: 2.38 min Scan# 201

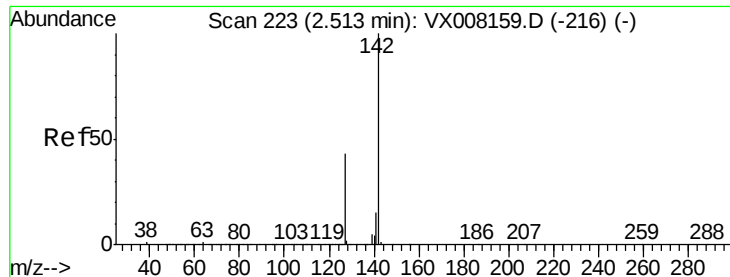
Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Tgt Ion:	96	Resp:	49033
Ion Ratio	Lower	Upper	
96	100		
61	170.3	120.2	180.2
98	63.3	49.0	73.4





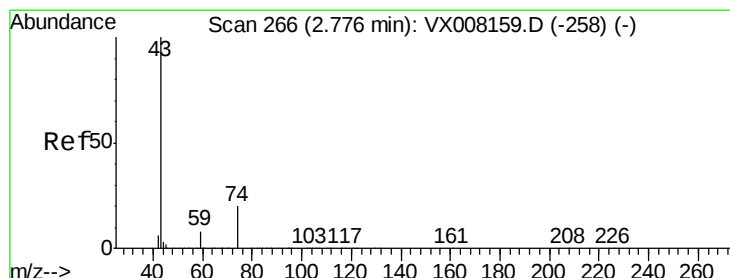
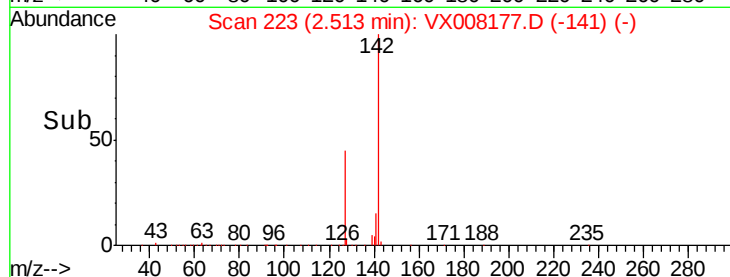
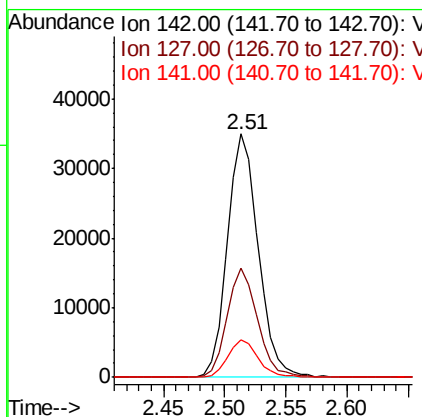
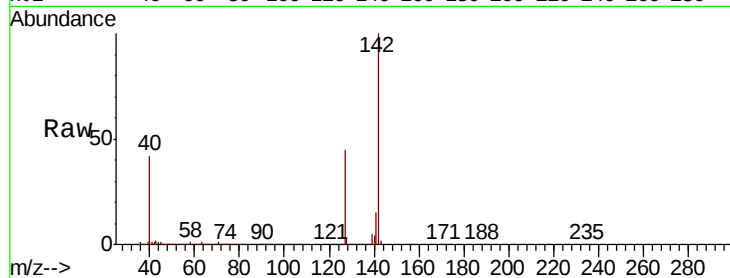
#11
Methyl Iodide
Concen: 20.479 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.5	22.1	66.5
141	15.1	7.4	22.3

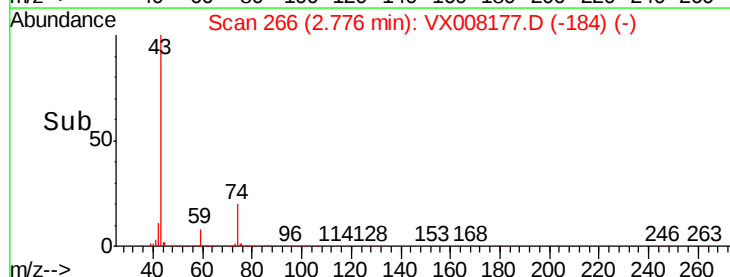
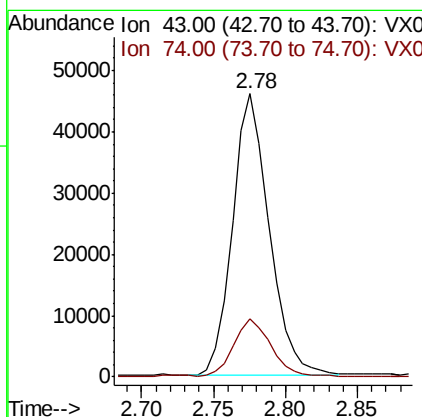
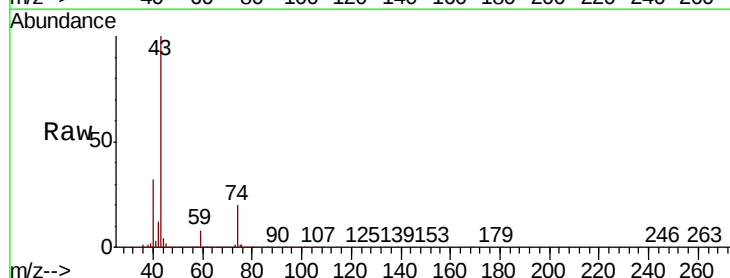
Manual Integrations
APPROVED

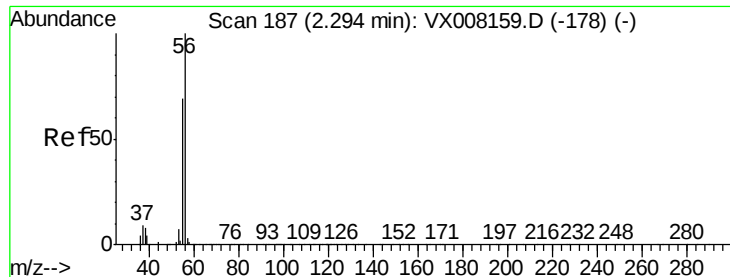
MMDadoda
3/19/2019 9:36:39 AM



#12
Methyl Acetate
Concen: 21.287 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	19.4	29.0





#13

Acrolein

Concen: 88.954 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 52454

Ion Ratio Lower Upper

56 100

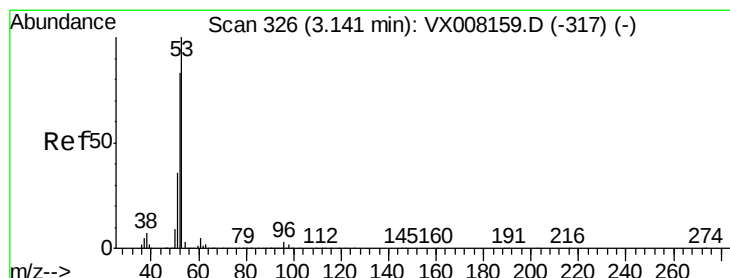
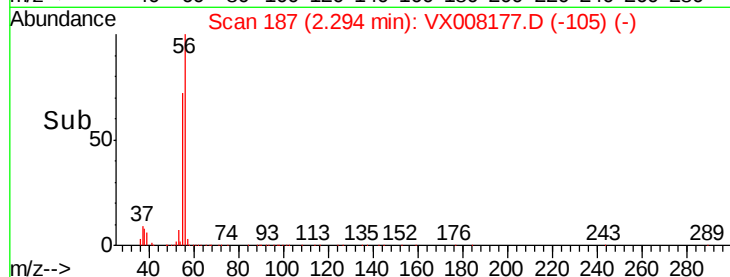
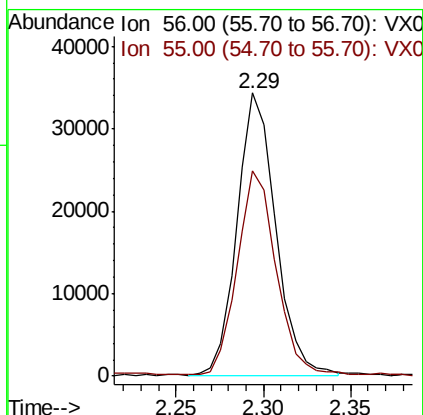
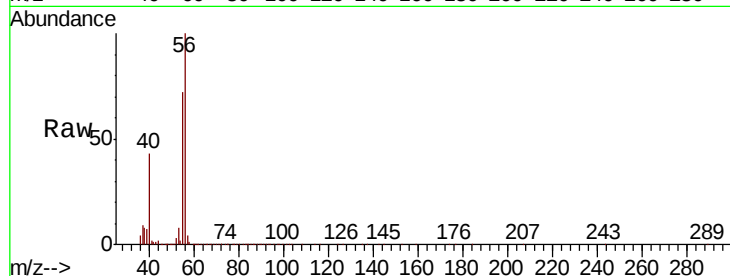
55 72.6 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 100.899 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

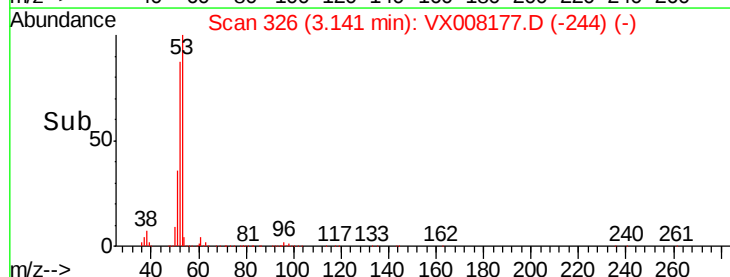
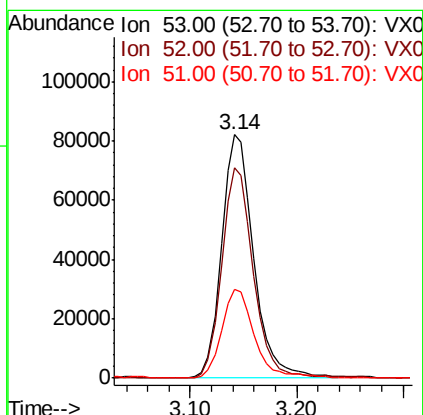
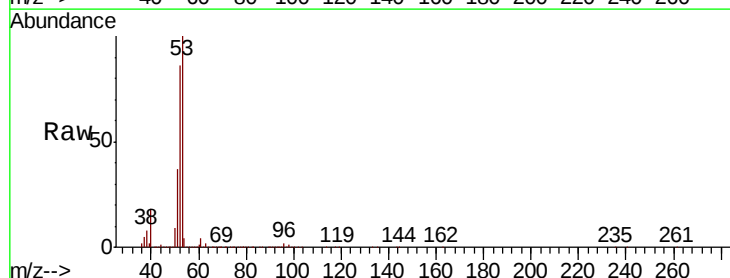
Tgt Ion: 53 Resp: 171678

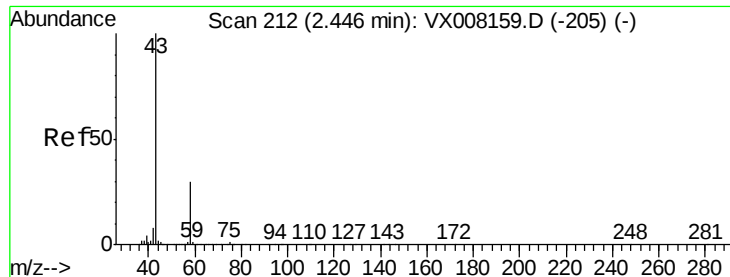
Ion Ratio Lower Upper

53 100

52 85.0 41.3 124.1

51 37.0 17.5 52.6





#15

Acetone

Concen: 92.278 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 50448

Ion Ratio Lower Upper

58 100

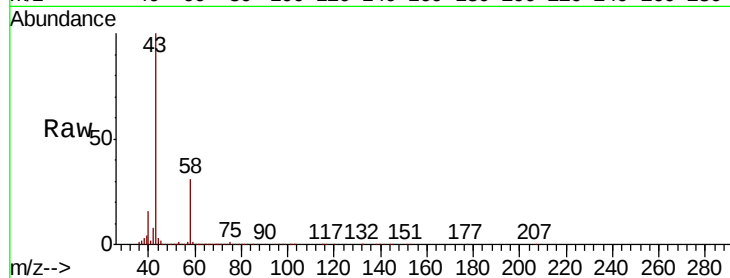
43 322.1 249.8 374.6

Manual Integrations

APPROVED

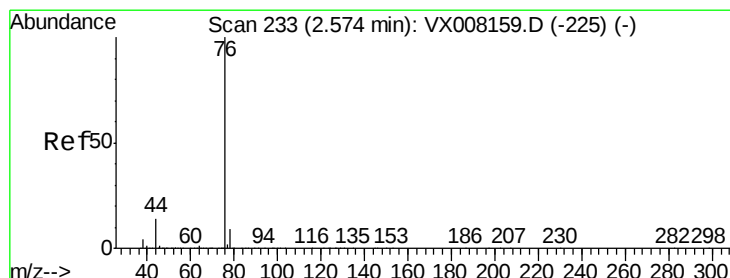
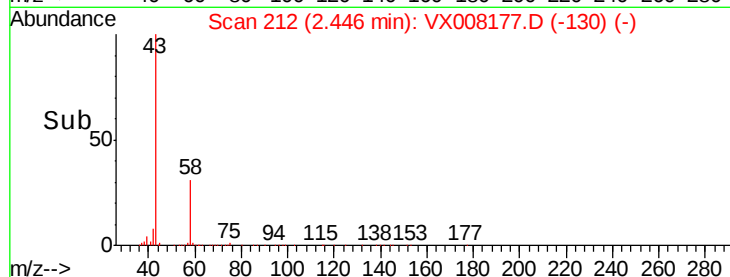
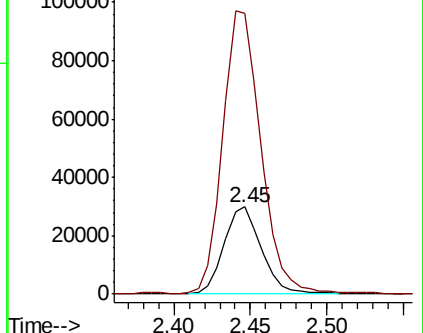
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.729 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX008177.D

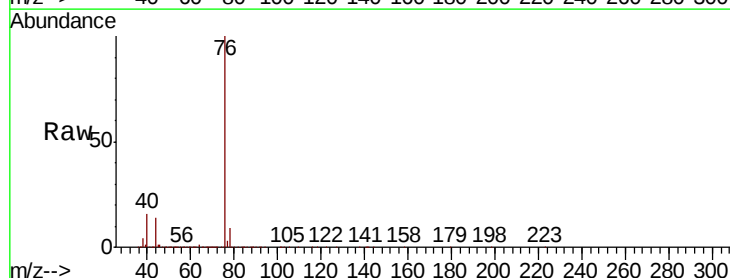
Acq: 18 Mar 2019 20:14

Tgt Ion: 76 Resp: 147355

Ion Ratio Lower Upper

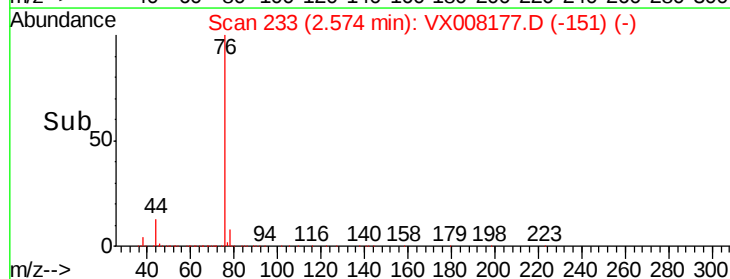
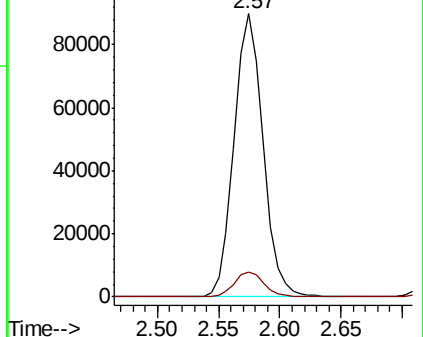
76 100

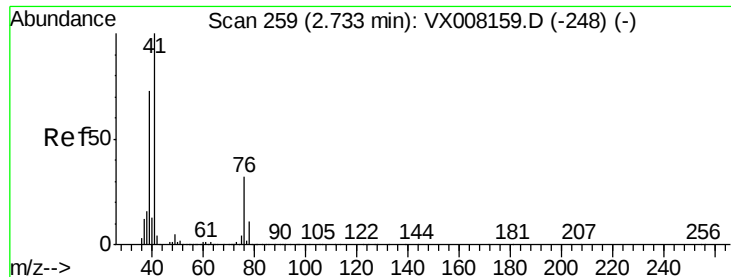
78 8.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





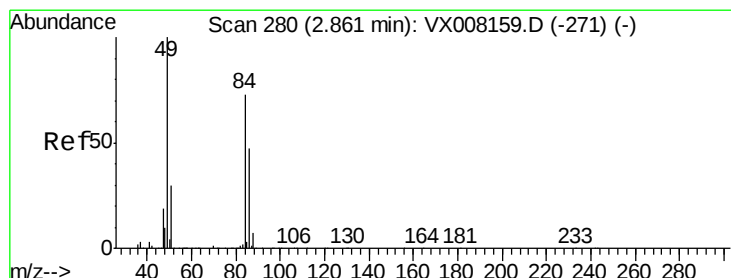
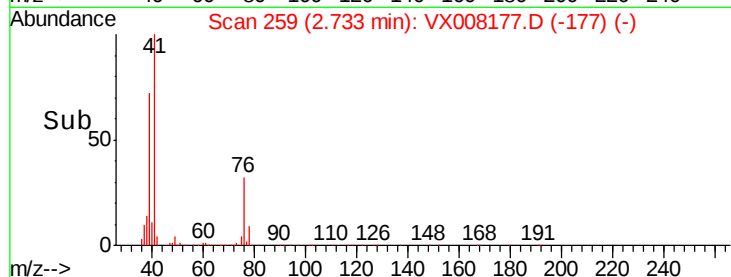
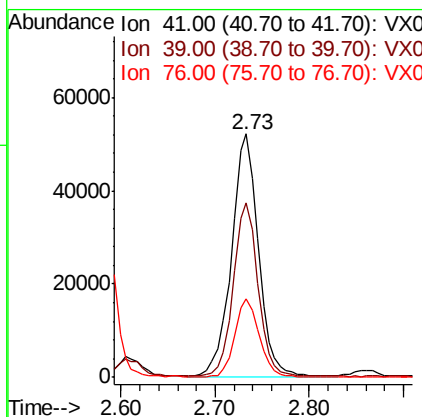
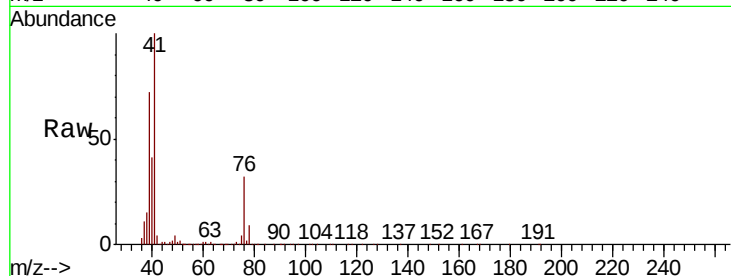
#17
Allvl chloride
Concen: 20.115 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	102998
Ion	Ratio	Lower	Upper
41	100		
39	71.4	35.8	107.4
76	32.2	18.3	54.9

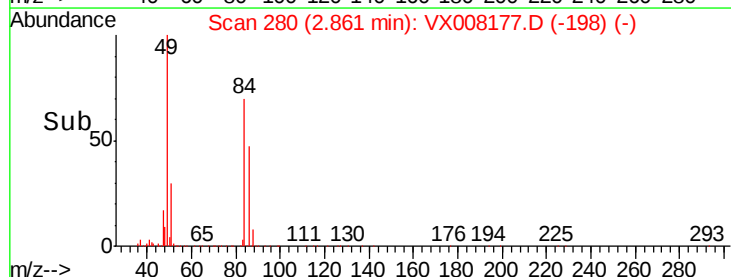
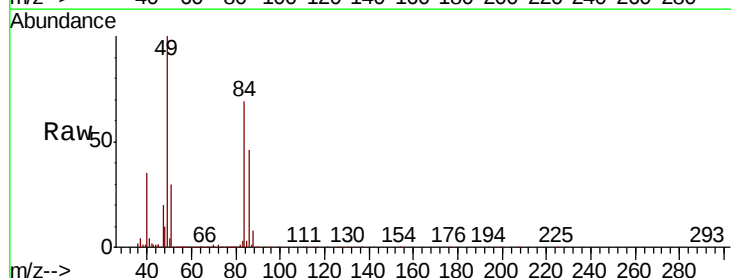
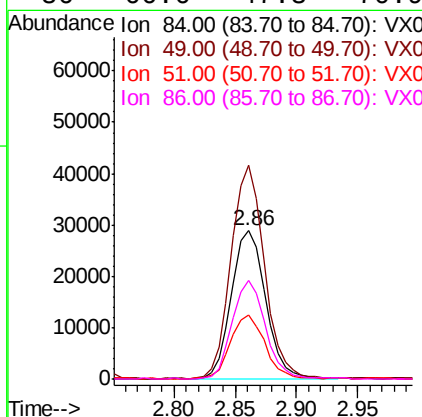
Manual Integrations
APPROVED

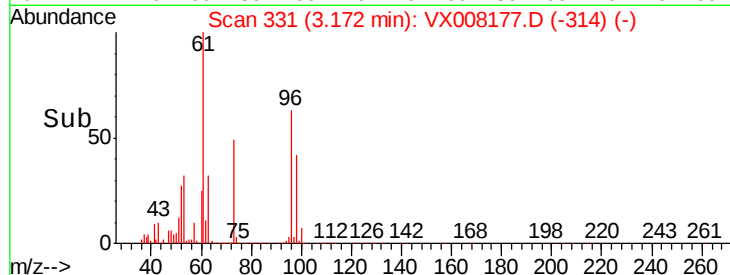
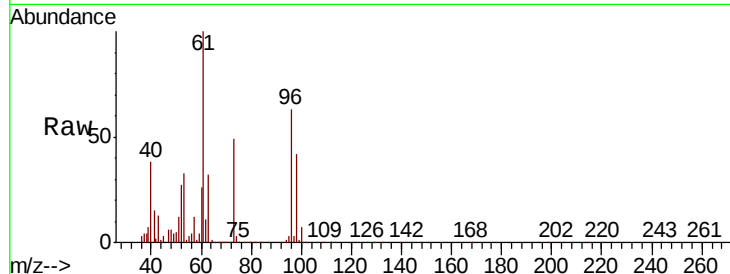
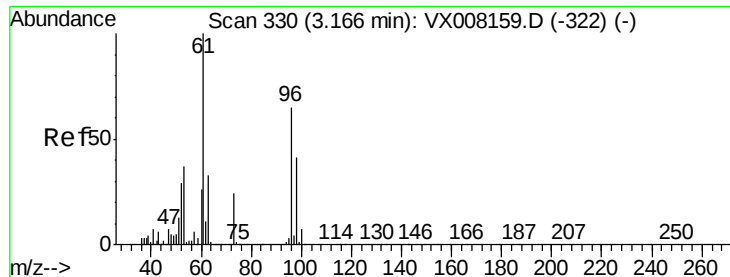
MMDadoda
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#18
Methylene Chloride
Concen: 20.633 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion:	84	Resp:	56325
Ion	Ratio	Lower	Upper
84	100		
49	143.6	96.1	144.1
51	43.3	29.1	43.7
86	66.6	47.3	70.9





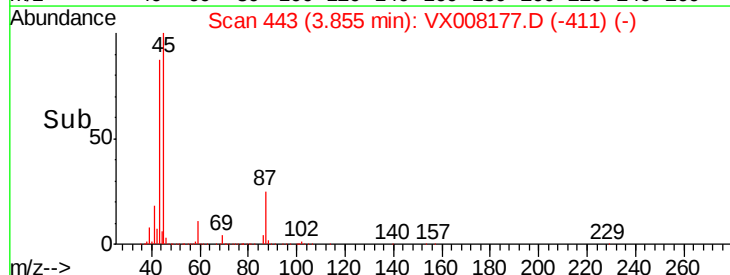
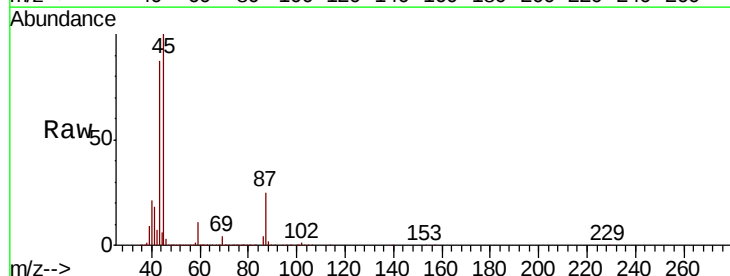
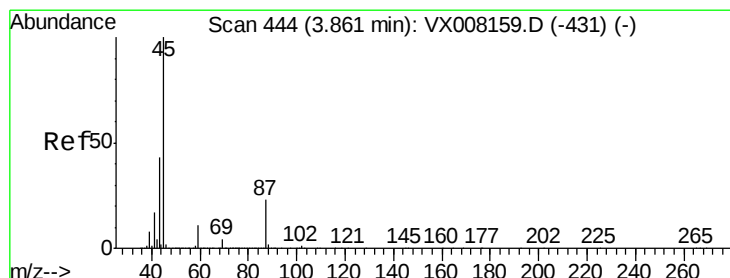
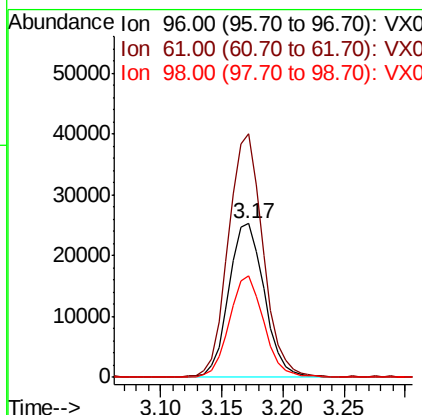
#19
trans-1,2-Dichloroethene
Concen: 20.210 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.5	109.9	164.9
98	66.6	50.4	75.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

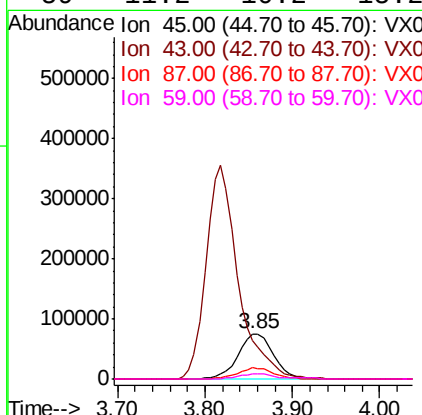
Manual Integrations
APPROVED

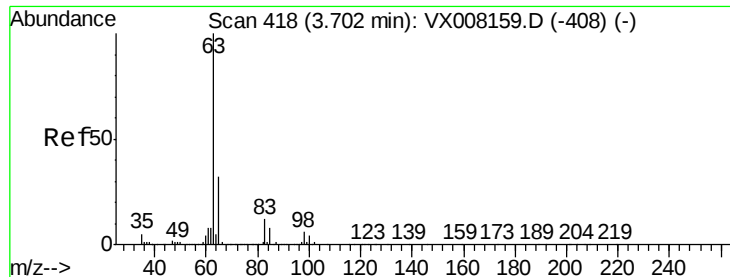
MMDadoda
3/19/2019 9:36:39 AM



#20
Diisopropyl ether
Concen: 20.976 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.01 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	85.8	50.6	76.0#
87	24.6	24.5	36.7
59	11.2	10.2	15.2





#21

1,1-Dichloroethane

Concen: 21.068 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

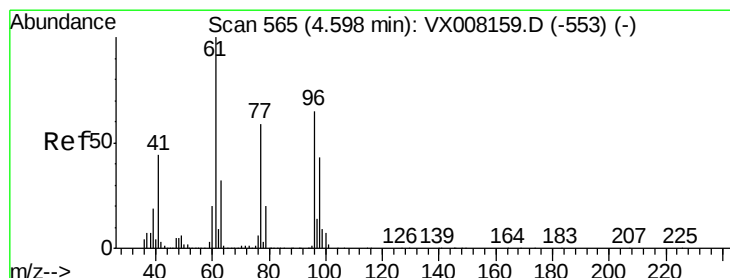
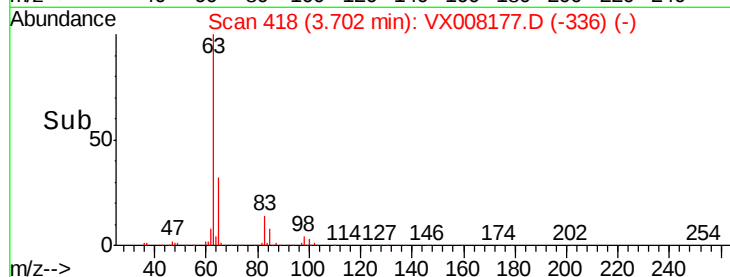
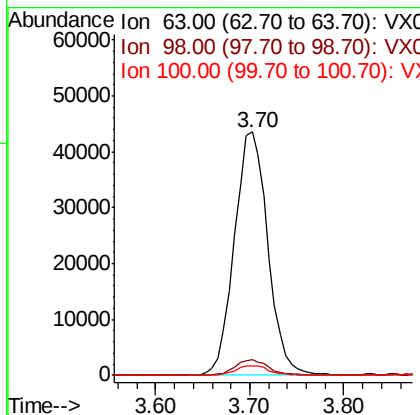
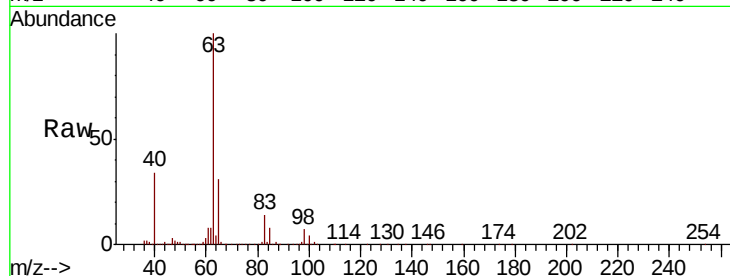
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.8	11.4
100	3.7	2.4	7.1

Manual Integrations
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3/19/2019 9:36:39 AM



#22

cis-1,2-Dichloroethene

Concen: 20.414 ug/l

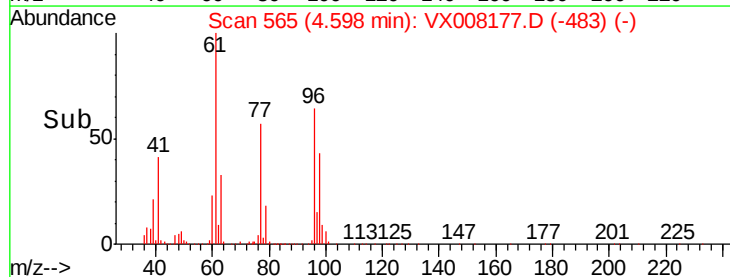
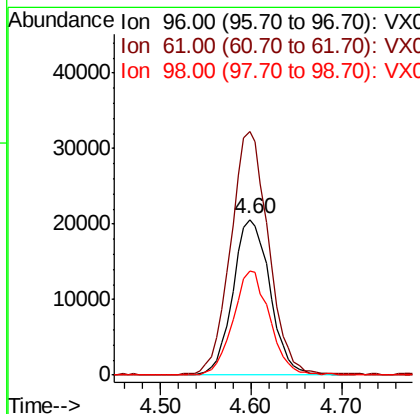
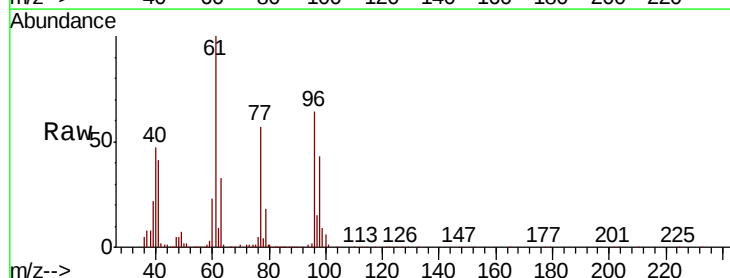
RT: 4.60 min Scan# 565

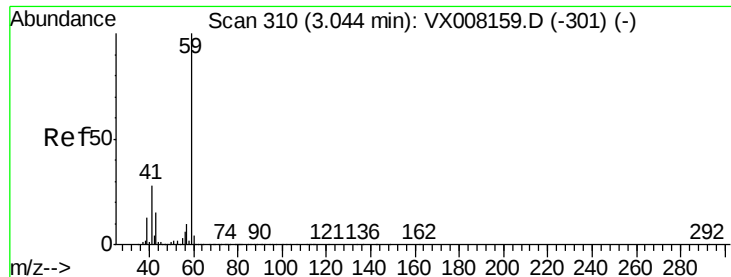
Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	103.5	155.3#
98	65.7	52.1	78.1





#23

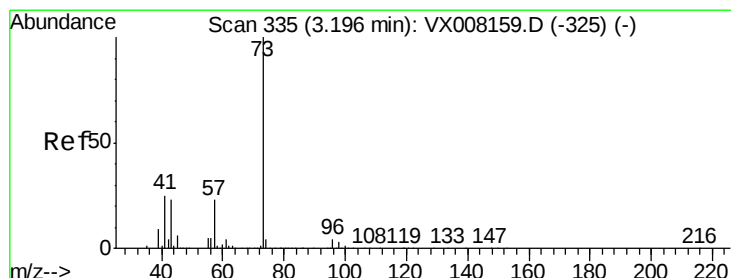
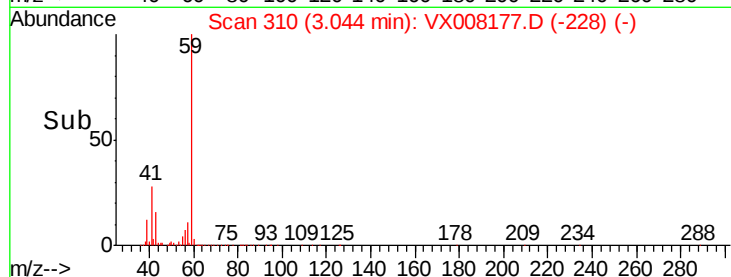
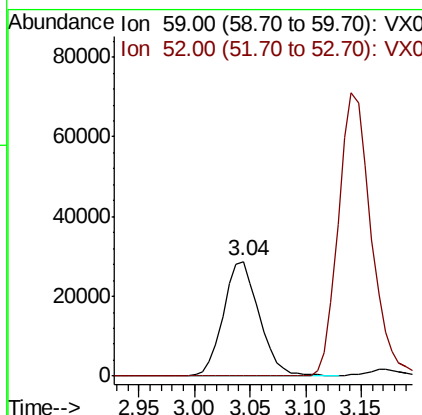
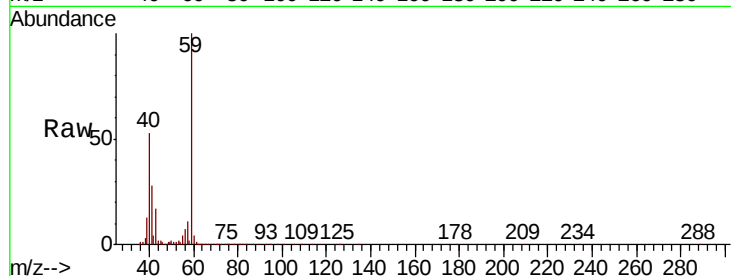
tert-Butyl Alcohol
Concen: 102.317 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 59 Resp: 64139
Ion Ratio Lower Upper
59 100
52 0.5 0.2 0.2#

Manual Integrations
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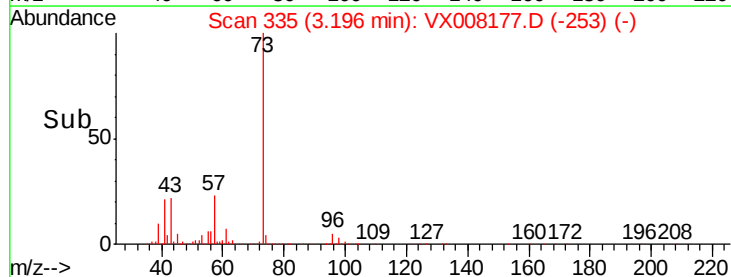
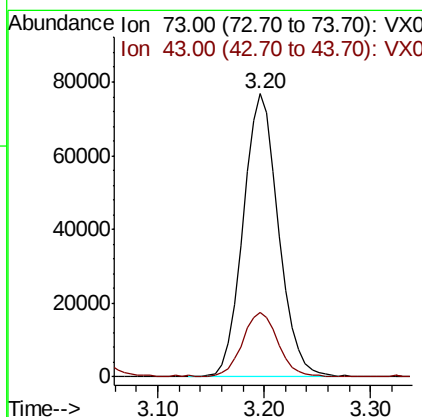
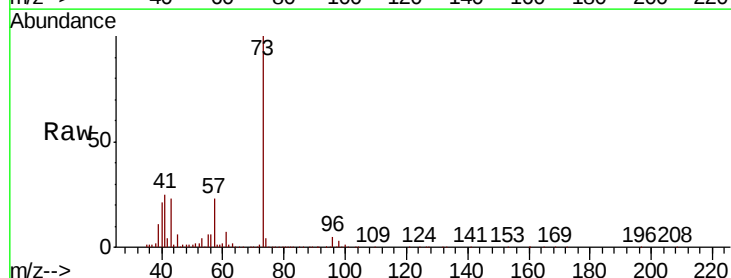
MMDadoda
3/19/2019 9:36:39 AM

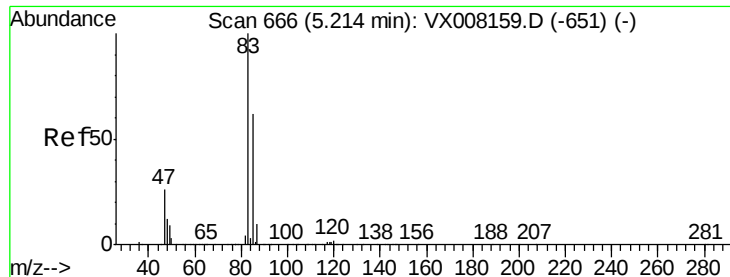


#24

Methyl tert-Butyl Ether
Concen: 21.012 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion: 73 Resp: 178581
Ion Ratio Lower Upper
73 100
43 22.5 17.1 25.7





#25

Chloroform

Concen: 20.807 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 100455

Ion Ratio Lower Upper

83 100

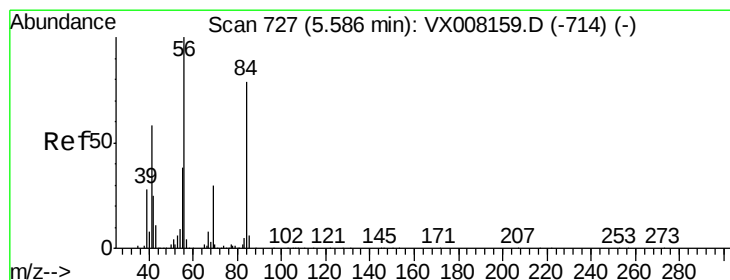
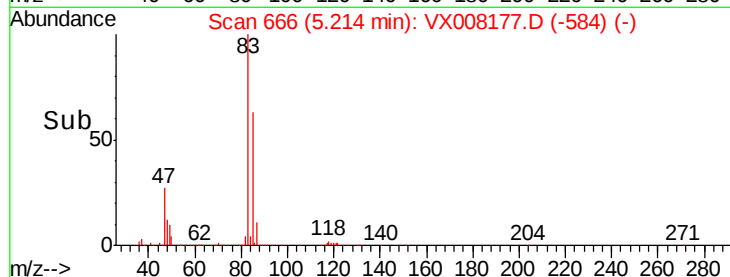
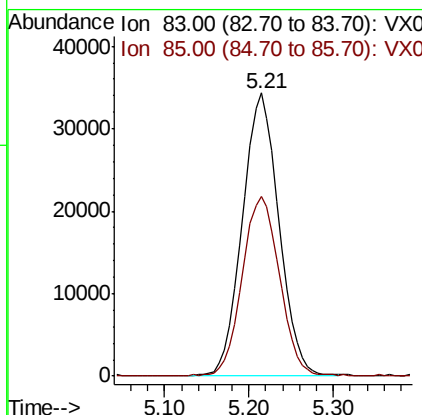
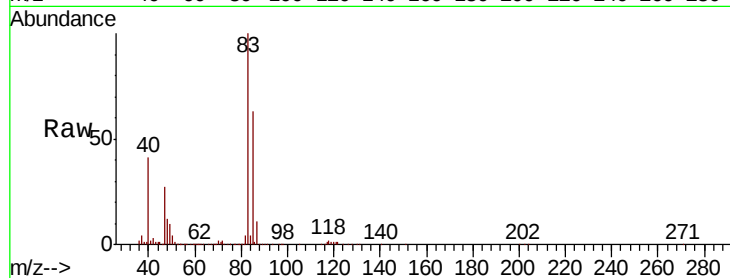
85 63.3 53.8 80.6

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:36:39 AM



#26

Cyclohexane

Concen: 20.155 ug/l

RT: 5.59 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

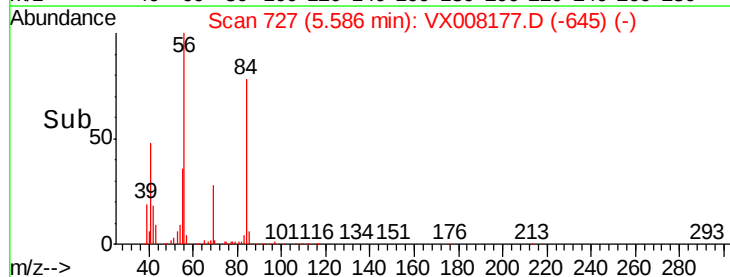
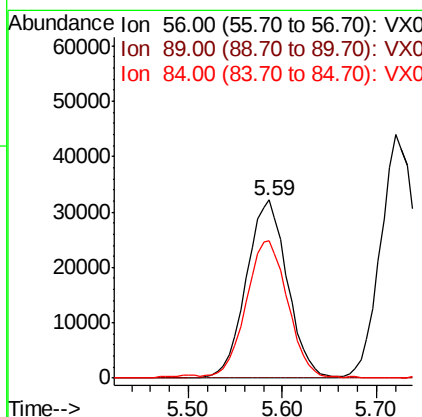
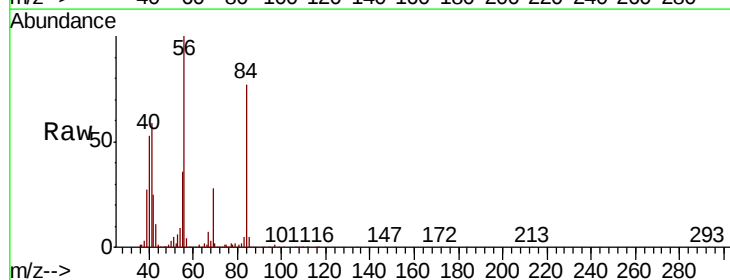
Tgt Ion: 56 Resp: 98337

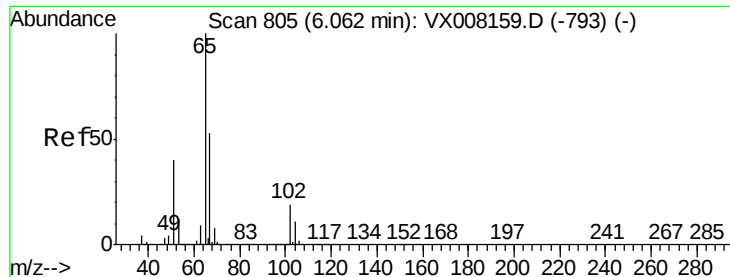
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 76.8 73.9 110.9





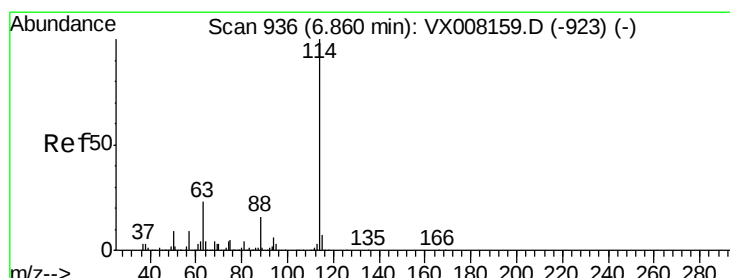
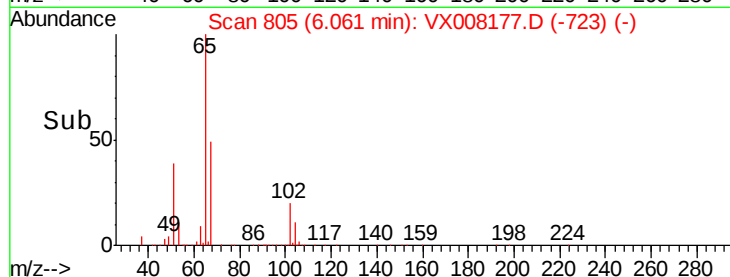
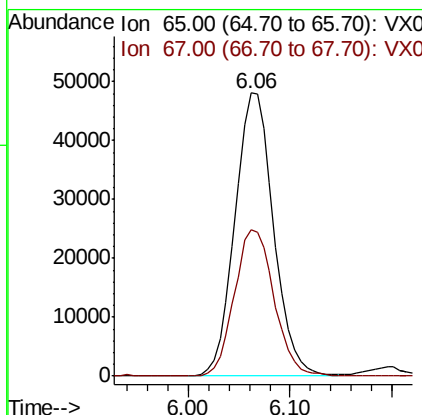
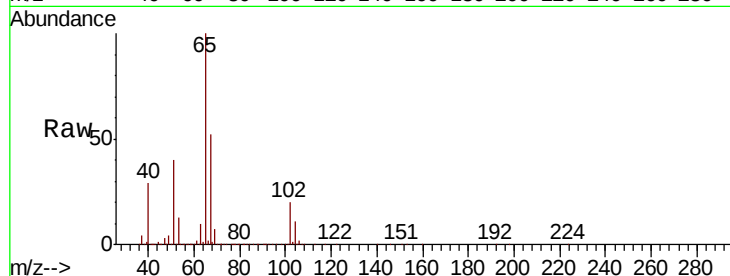
#27
 1,2-Dichloroethane-d4
 Concen: 30.448 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	42.9	64.3

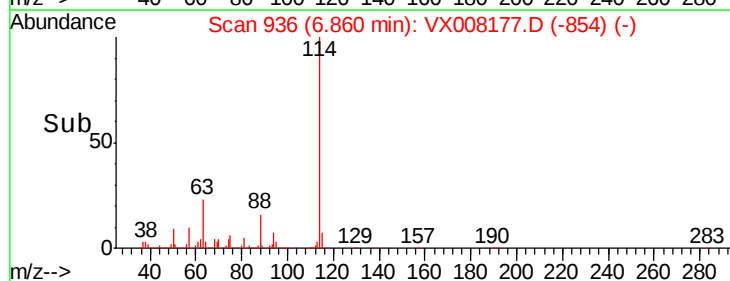
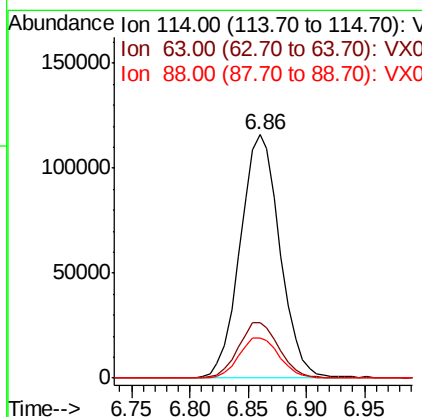
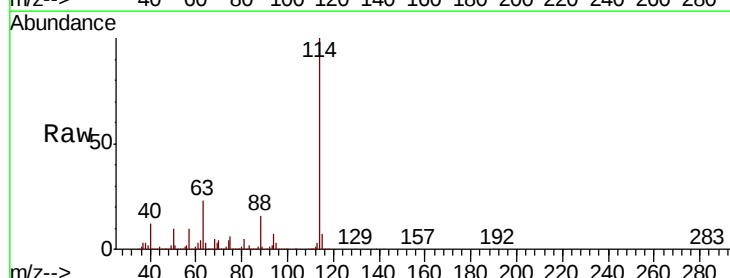
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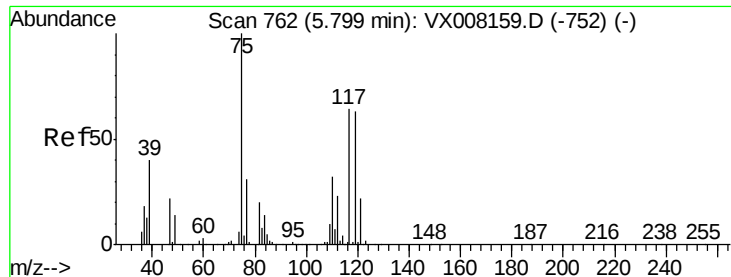
MMDadoda
 3/19/2019 9:36:39 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	14.2	21.4#
88	17.0	11.9	17.9





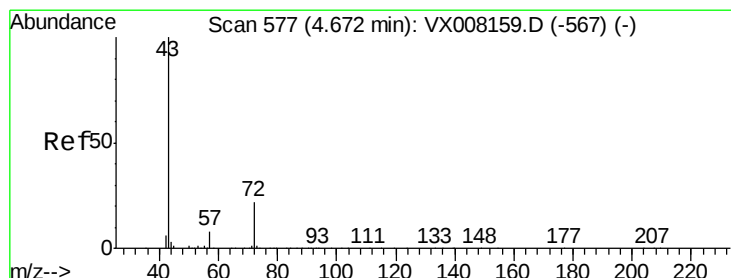
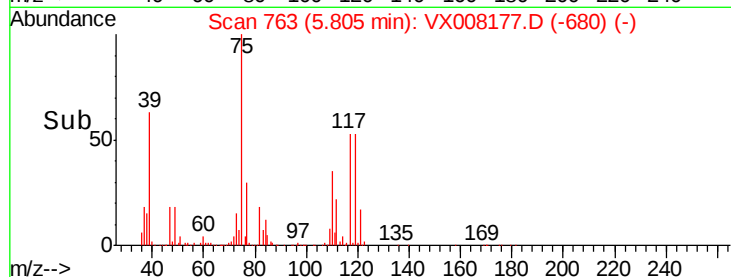
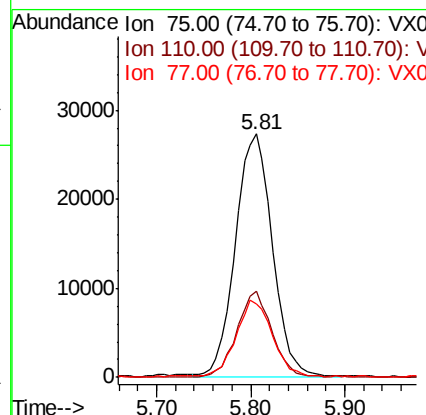
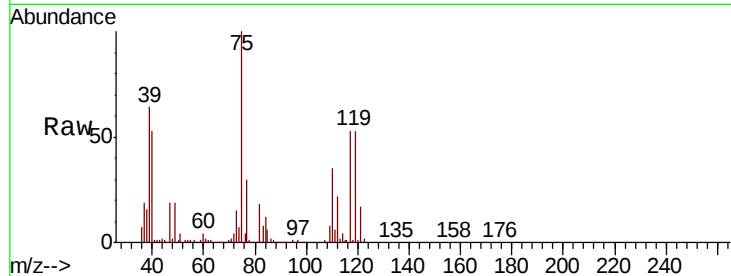
#29
 1,1-Dichloropropene
 Concen: 20.575 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.5	0.0	80.8
77	30.8	0.0	62.4

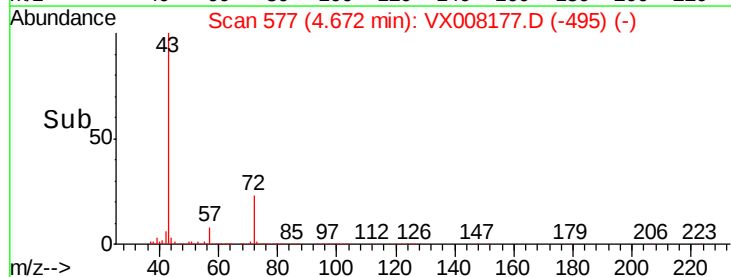
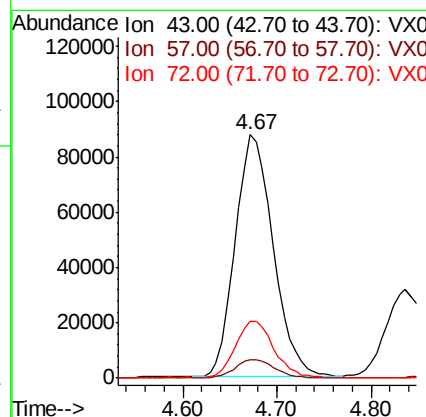
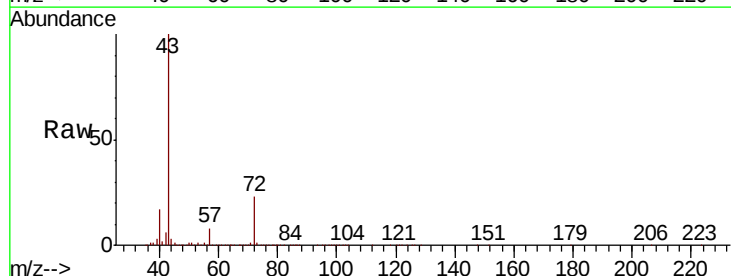
Manual Integrations
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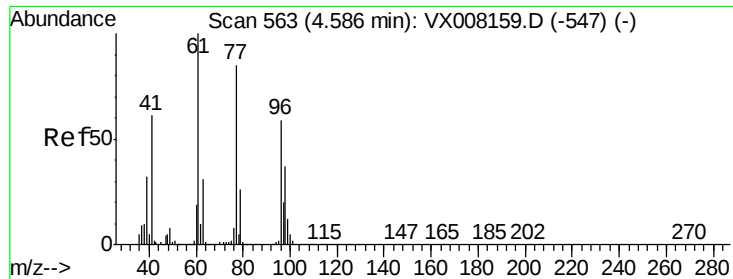
MMDadoda
 3/19/2019 9:36:39 AM



#30
 2-Butanone
 Concen: 97.060 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	7.0	10.6
72	23.5	21.5	32.3





#31

2,2-Dichloropropane

Concen: 18.668 ug/l m

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 68579

Ion Ratio Lower Upper

77 100

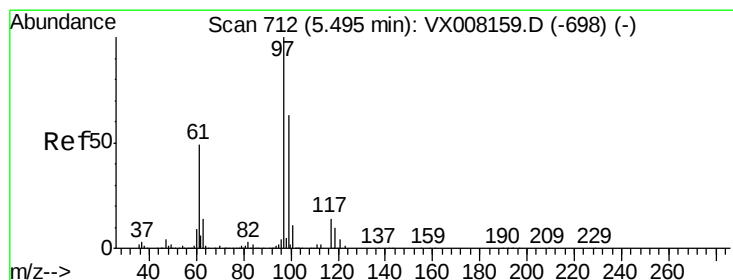
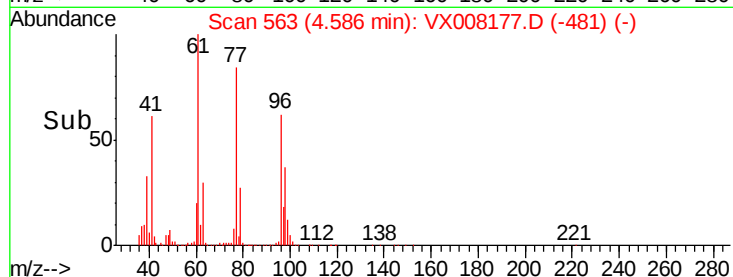
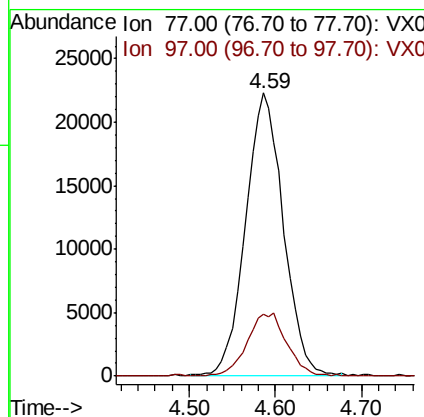
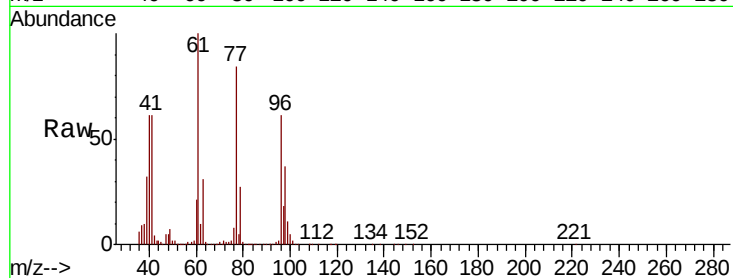
97 0.1 20.6 31.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.890 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

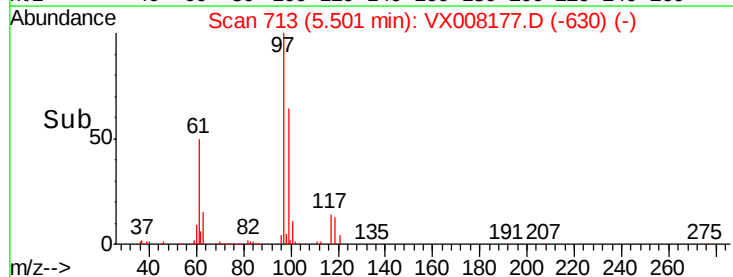
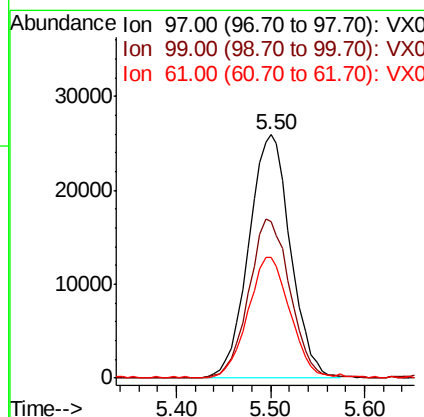
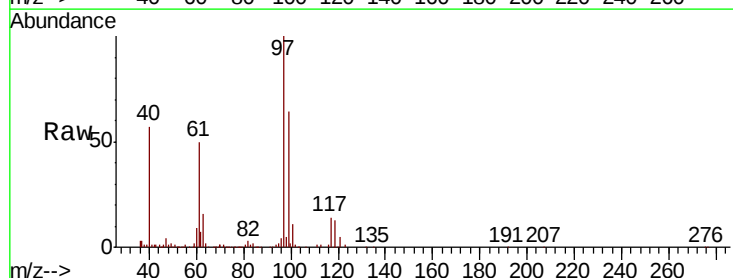
Tgt Ion: 97 Resp: 80598

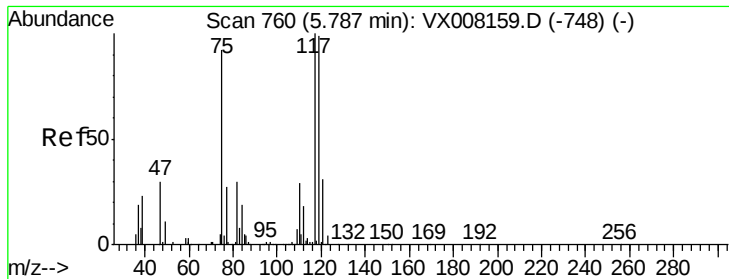
Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 50.0 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 20.542 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

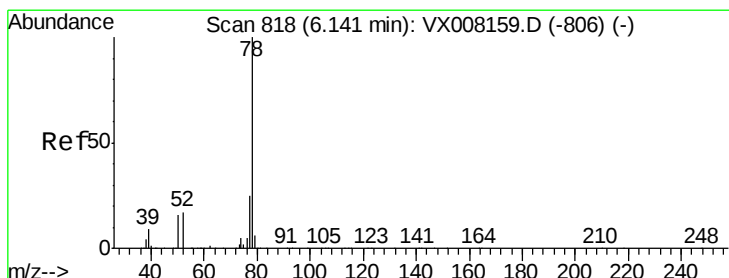
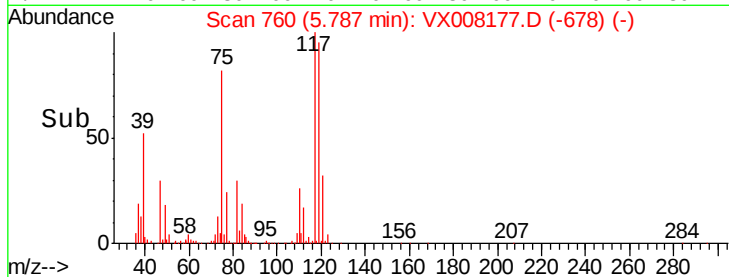
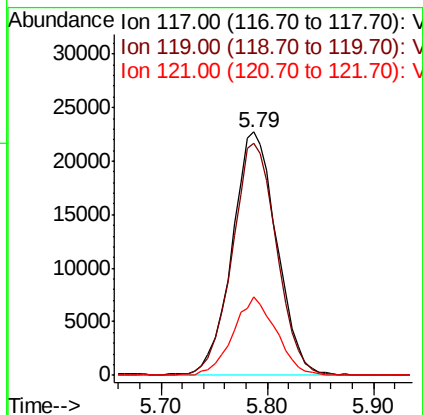
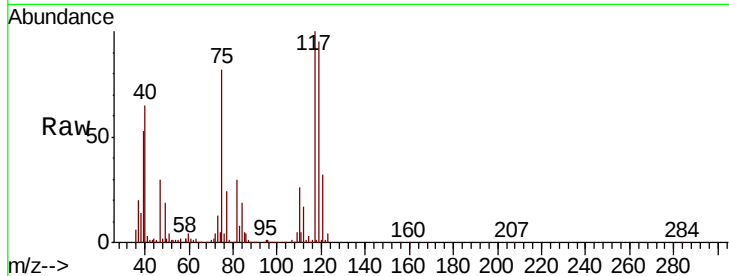
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.1	117.1
121	32.1	27.0	40.6

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#34

Benzene

Concen: 21.073 ug/l

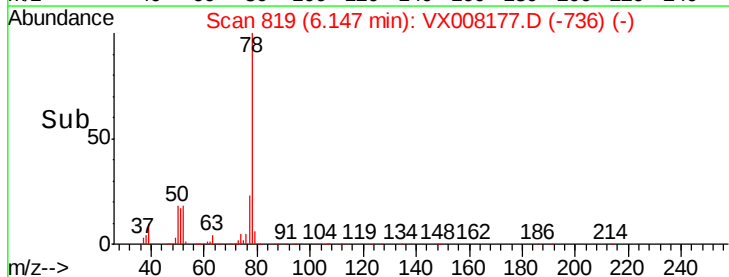
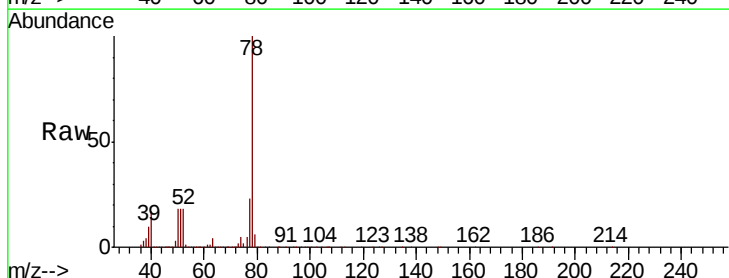
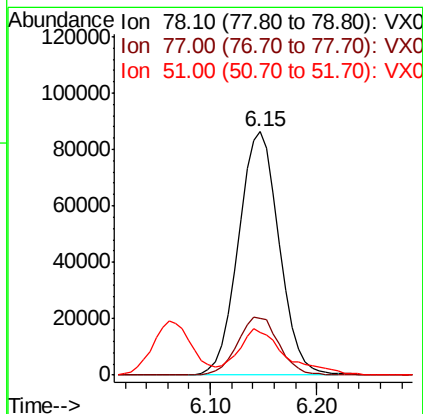
RT: 6.15 min Scan# 819

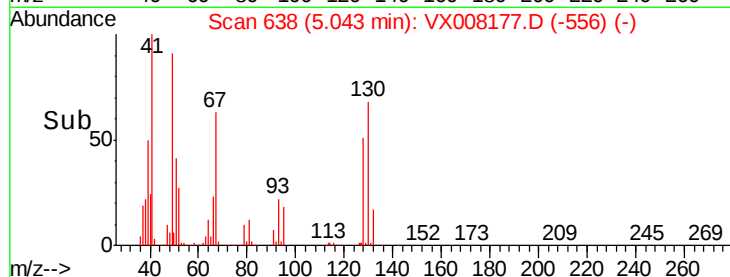
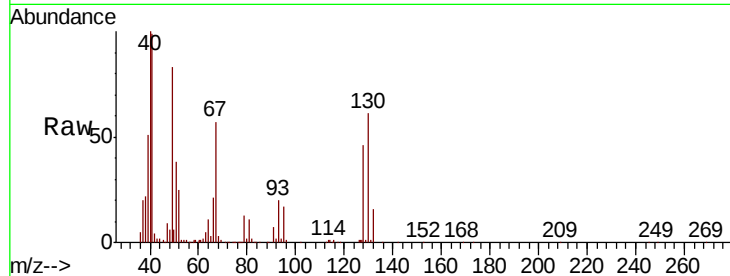
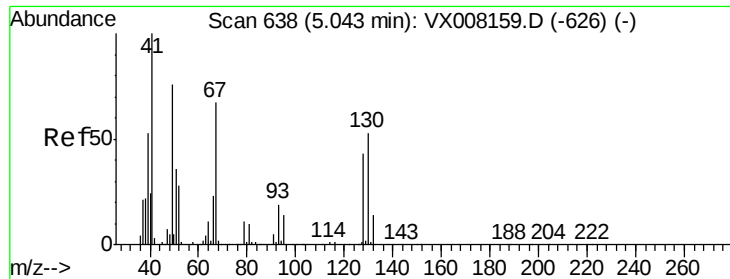
Delta R.T. 0.01 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

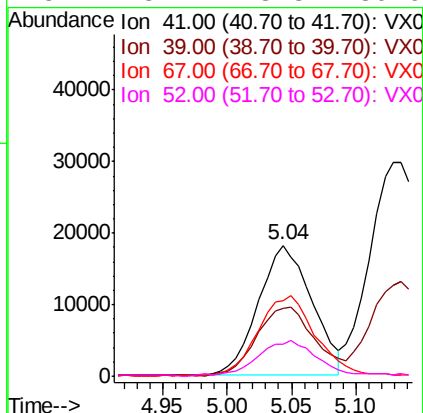
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7
51	16.1	10.8	16.2





#35
Methacrylonitrile
Concen: 21.260 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

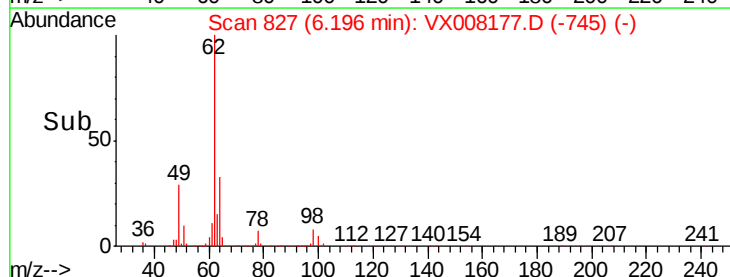
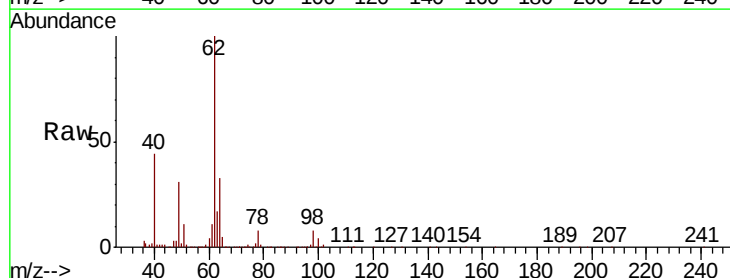
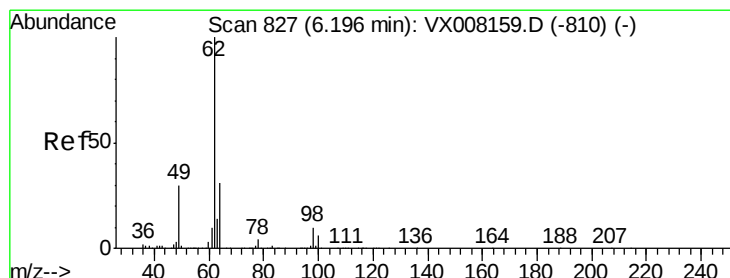
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	27.4	82.0	
67	57.2	37.9	113.6	
52	25.1	13.3	39.9	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

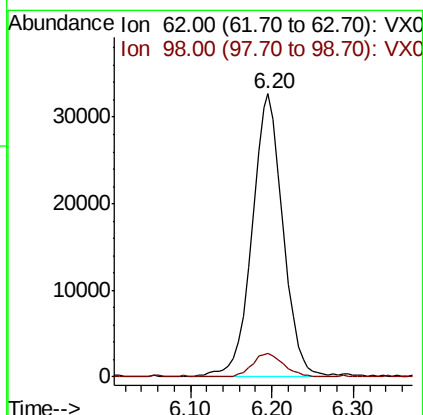
Manual Integrations
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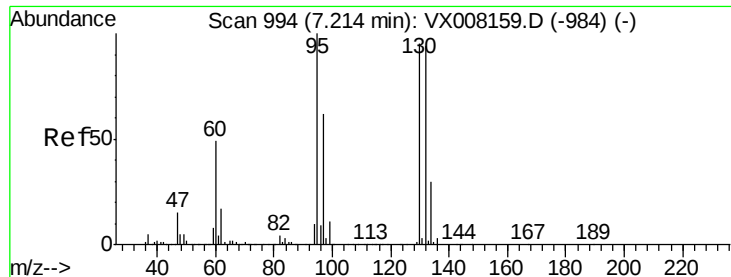
MMDadoda
3/19/2019 9:36:39 AM



#36
1,2-Dichloroethane
Concen: 21.616 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	7.8	11.8	





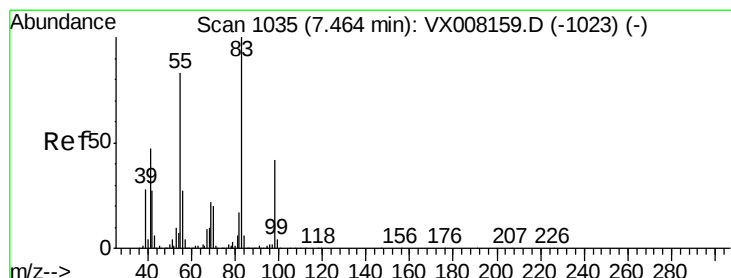
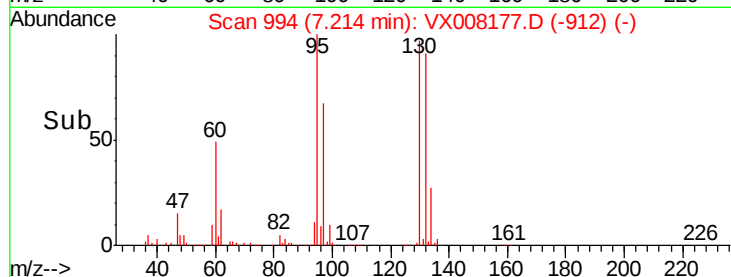
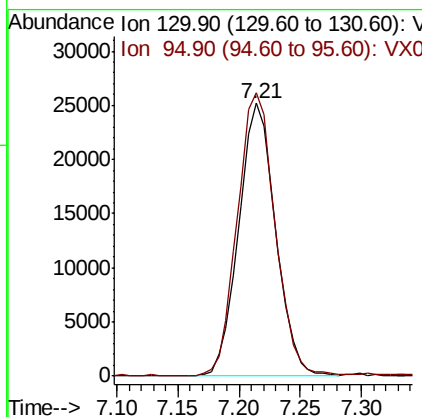
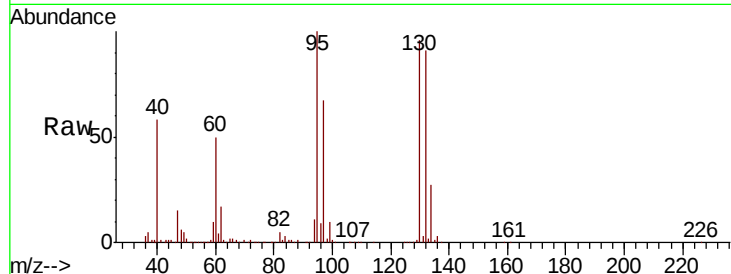
#37
 Trichloroethene
 Concen: 20.390 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 52924
 Ion Ratio Lower Upper
 130 100
 95 103.5 71.3 106.9

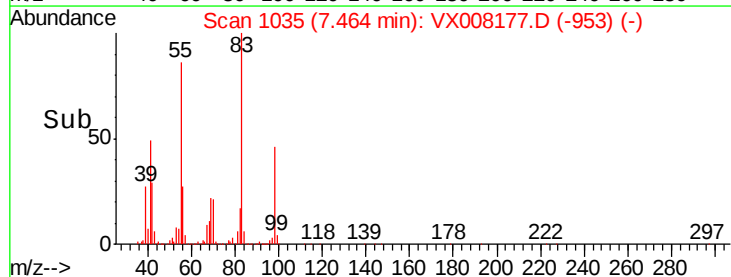
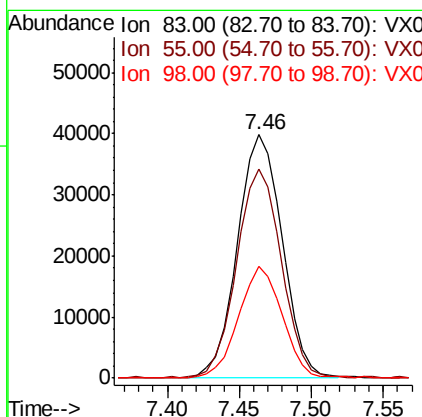
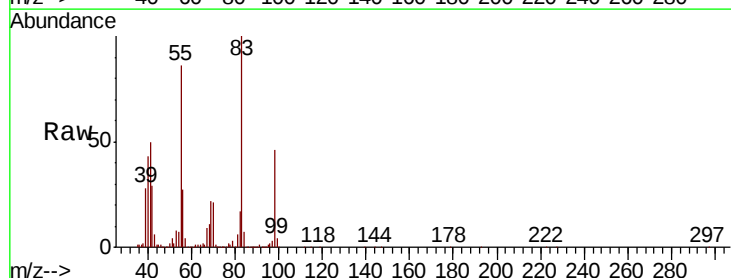
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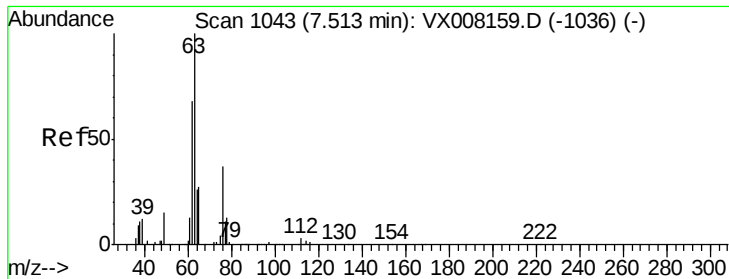
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.292 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion: 83 Resp: 85356
 Ion Ratio Lower Upper
 83 100
 55 86.0 36.0 108.0
 98 45.3 23.8 71.4





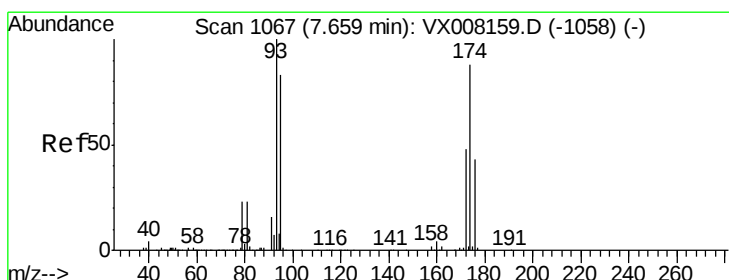
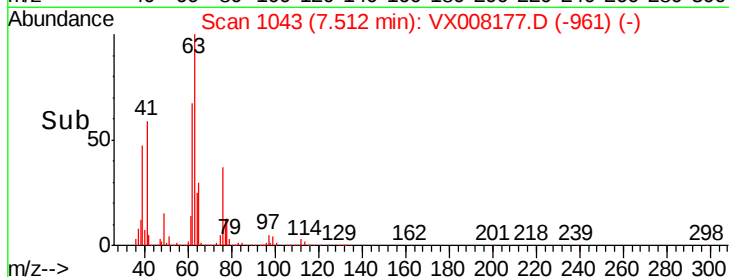
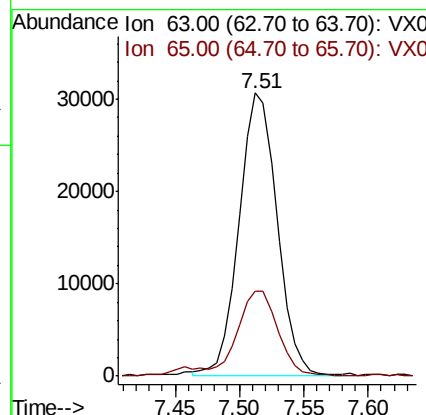
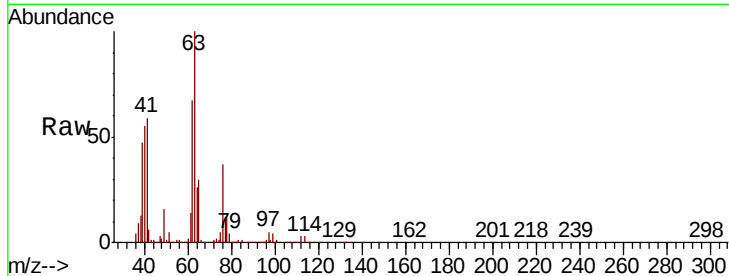
#39
 1,2-Dichloropropane
 Concen: 21.009 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.6	37.0

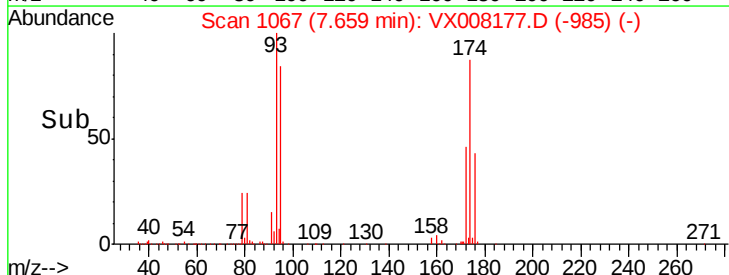
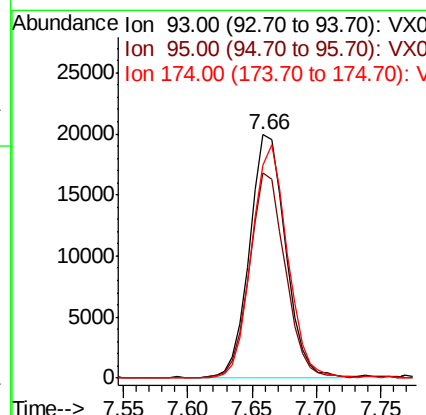
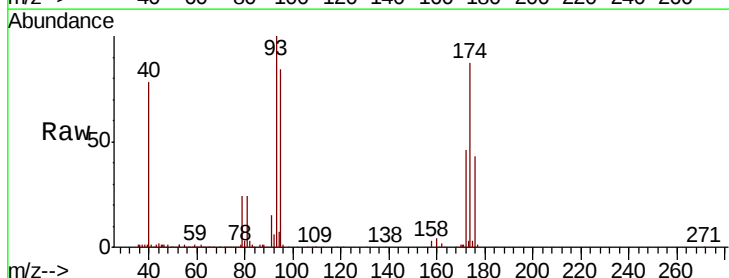
Manual Integrations
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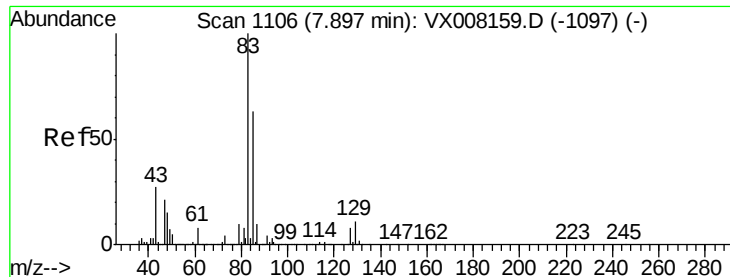
MMDadoda
 3/19/2019 9:36:39 AM



#40
 Dibromomethane
 Concen: 21.268 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	158.8
174	94.4	0.0	224.2





#41

Bromodichloromethane

Concen: 20.301 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

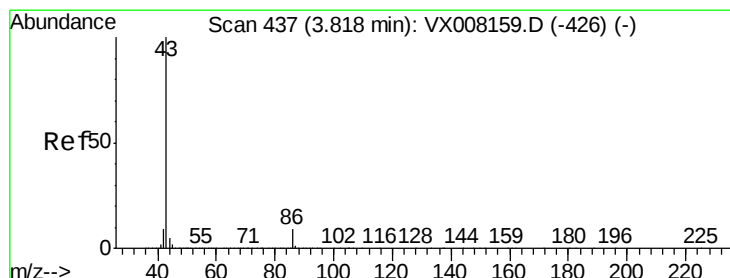
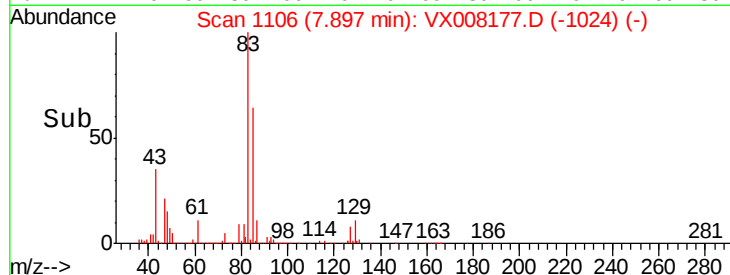
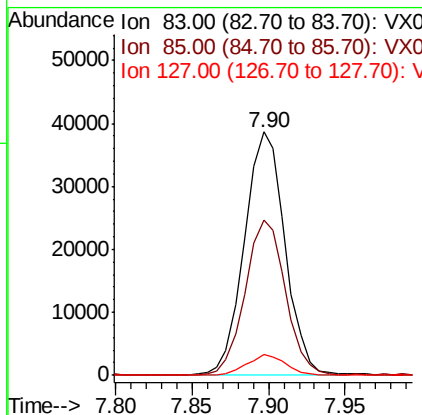
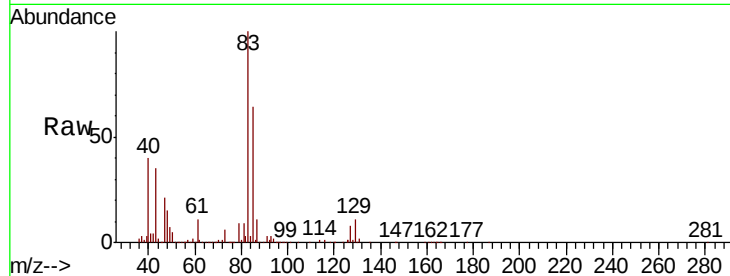
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	71295
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.1	76.7
127	8.4	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 106.016 ug/l

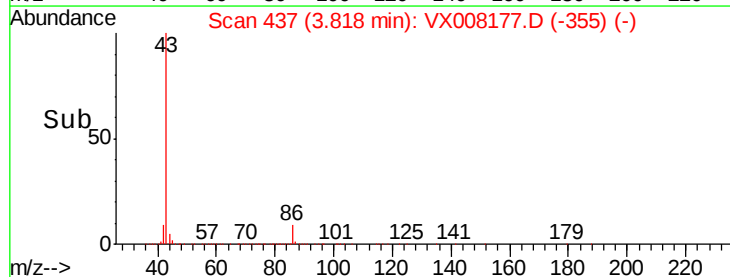
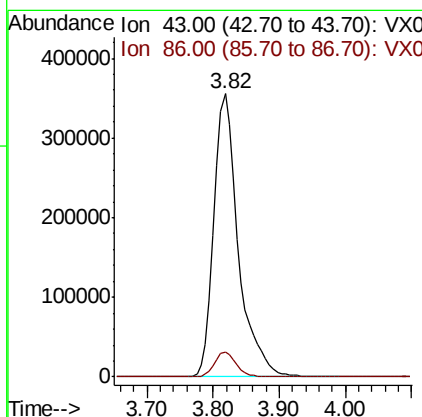
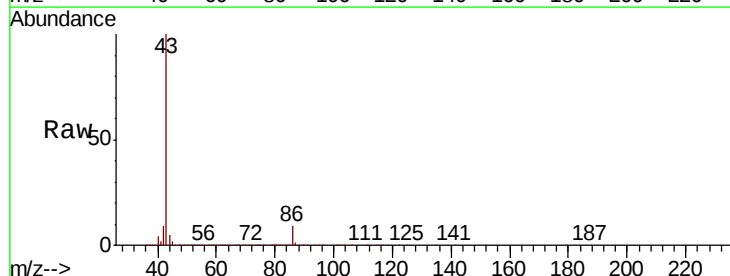
RT: 3.82 min Scan# 437

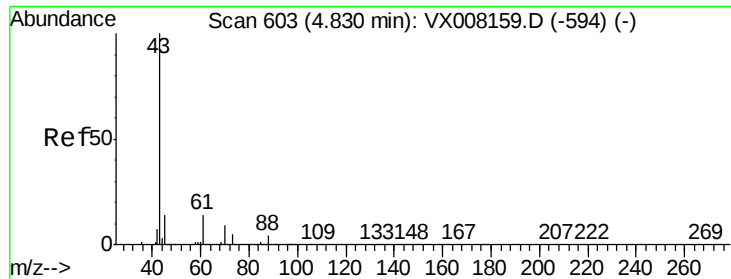
Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Tgt Ion:	43	Resp:	910376
Ion Ratio	Lower	Upper	
43	100		
86	7.9	8.2	12.2#





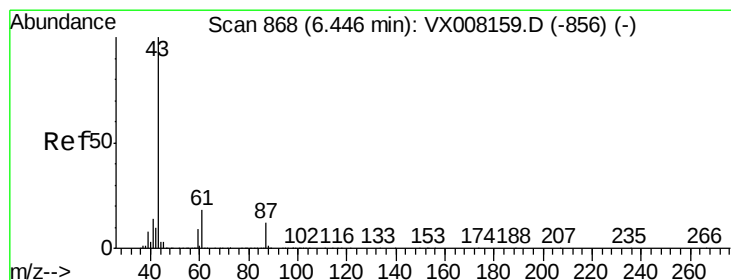
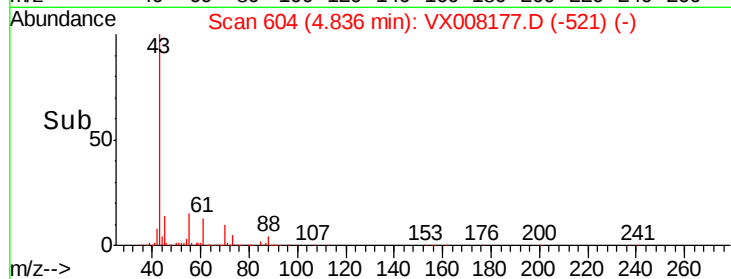
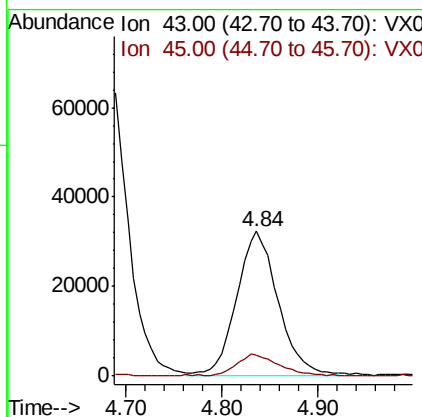
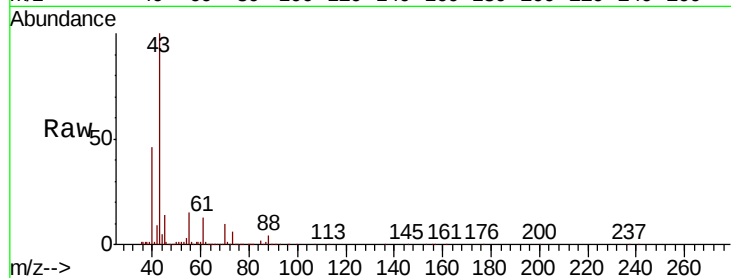
#43
Ethyl Acetate
Concen: 21.667 ug/l m
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	0.0	6.9	10.3	

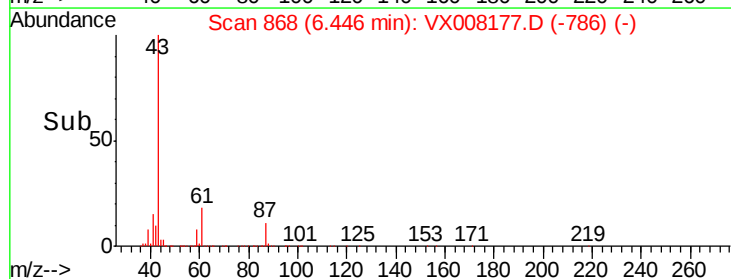
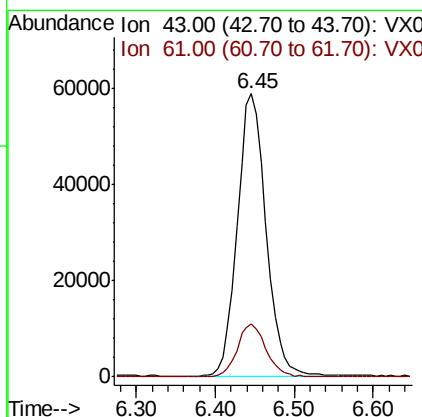
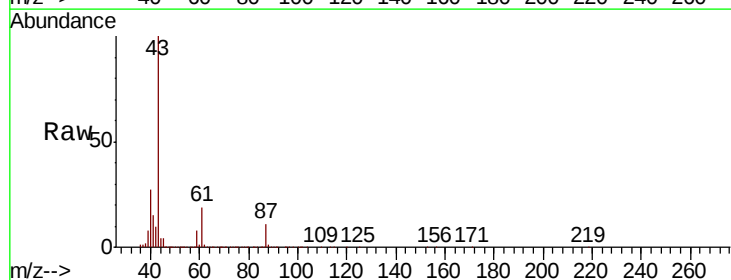
Manual Integrations
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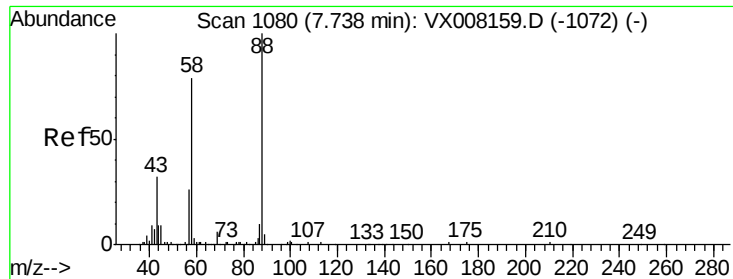
MMDadoda
3/19/2019 9:36:39 AM



#44
Isopropyl Acetate
Concen: 21.221 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	43	Ratio	Lower	Upper
43	100			
61	18.6	16.1	24.1	





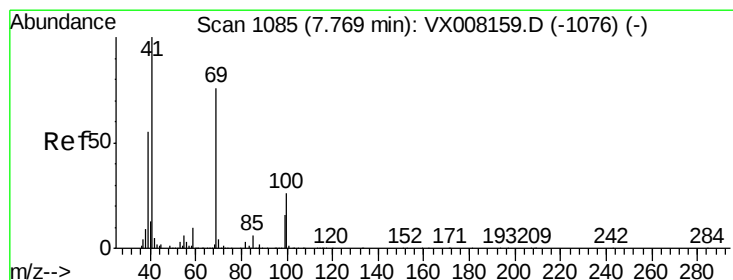
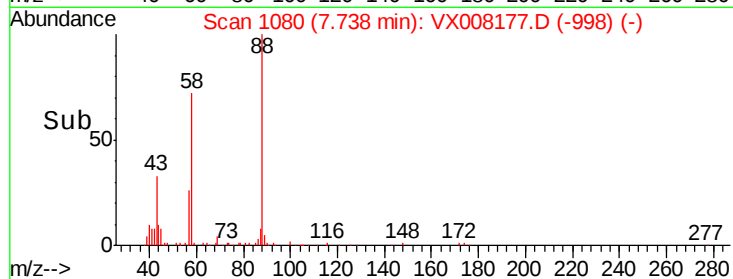
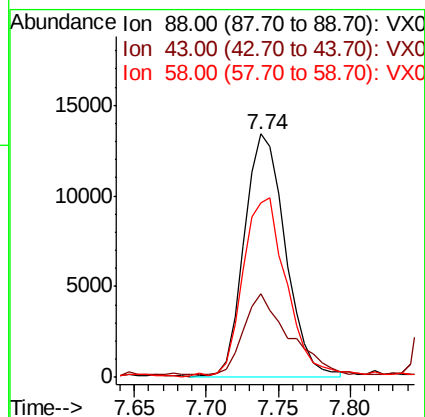
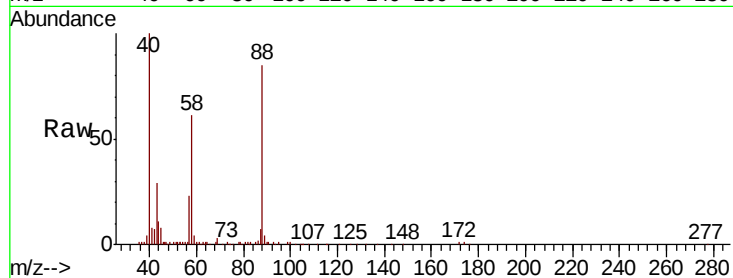
#45
 1,4-Dioxane
 Concen: 406.324 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	23.6	35.4#
58	76.2	51.6	77.4

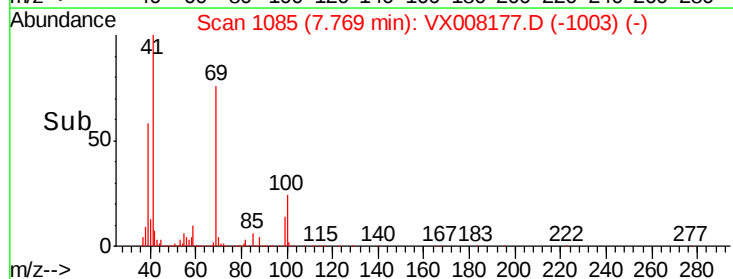
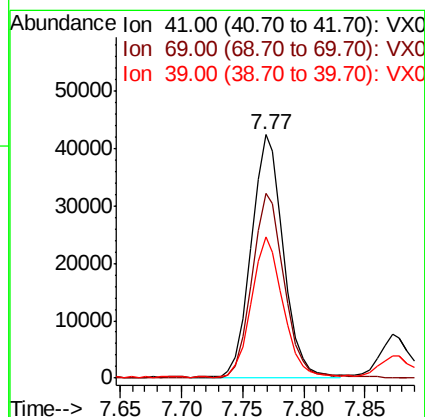
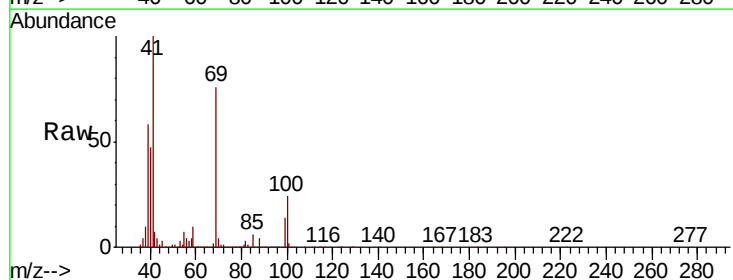
Manual Integrations
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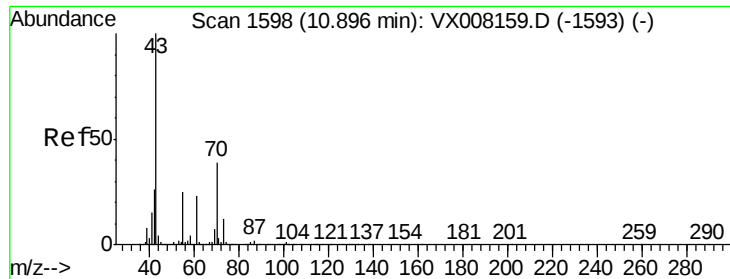
MMDadoda
 3/19/2019 9:36:39 AM



#46
 Methyl methacrylate
 Concen: 20.824 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.9	44.2	132.6
39	57.7	29.9	89.8





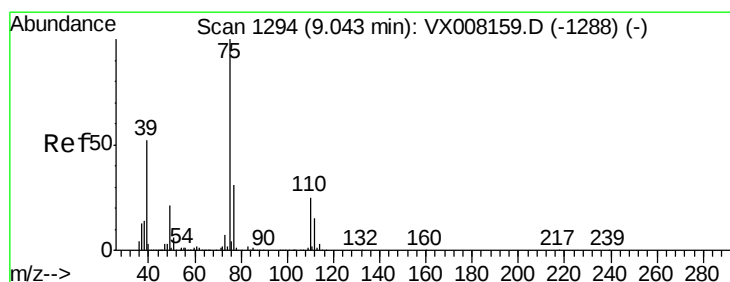
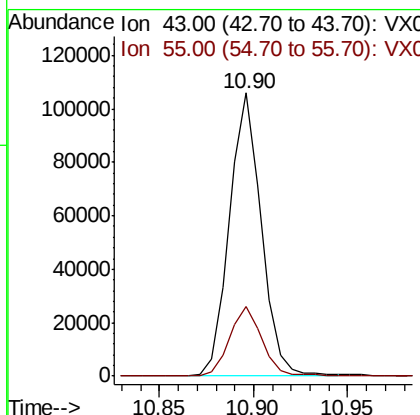
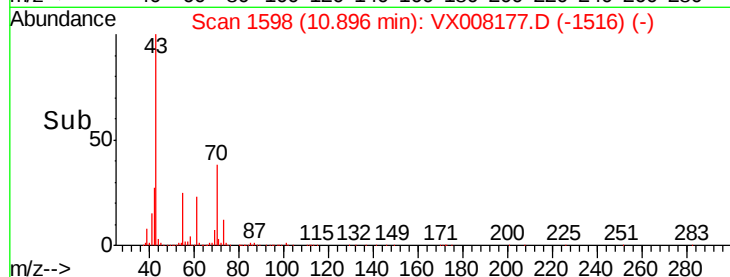
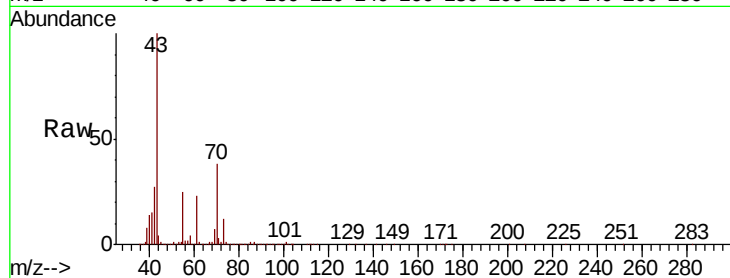
#47
n-amvl Acetate
Concen: 20.640 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
55	24.7	20.8	31.2

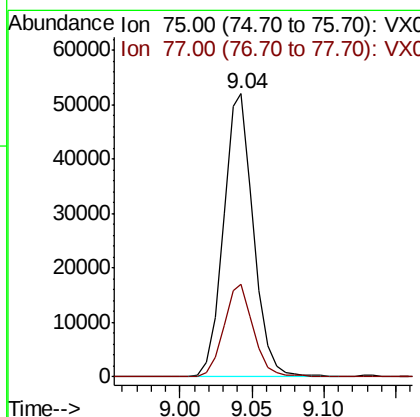
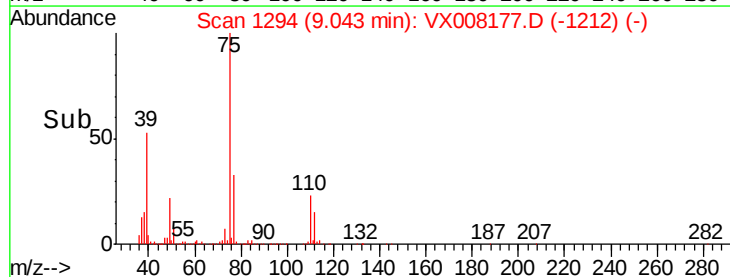
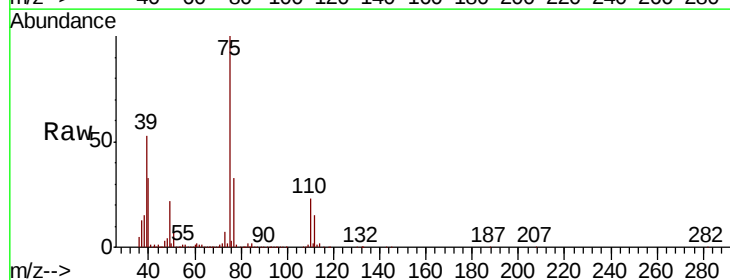
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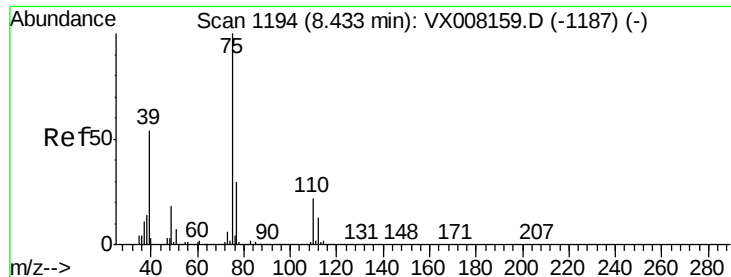
MMDadoda
3/19/2019 9:36:39 AM



#48
t-1,3-Dichloropropene
Concen: 19.366 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.5	36.7





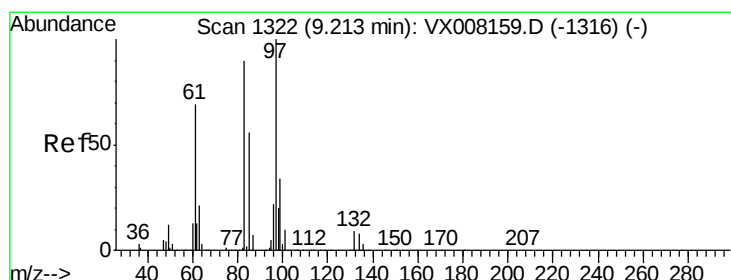
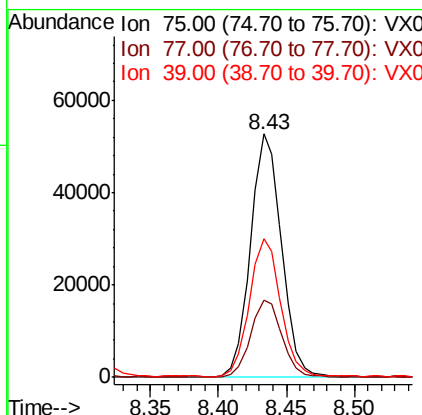
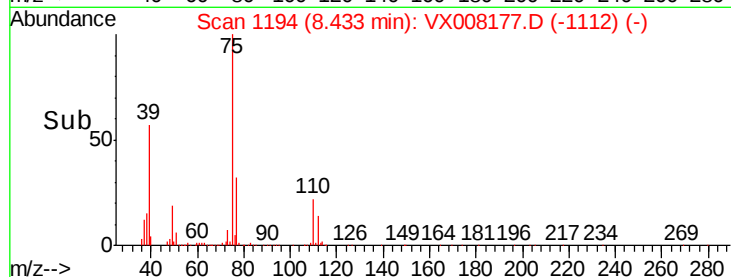
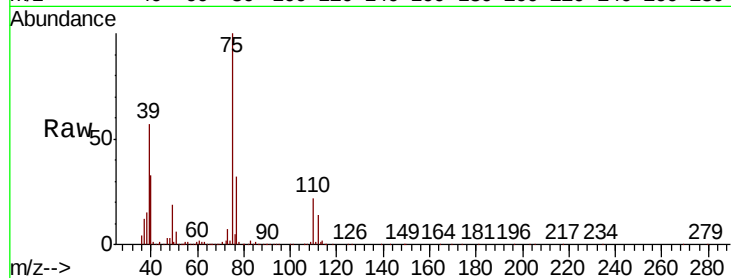
#49
 cis-1,3-Dichloropropene
 Concen: 19.617 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	84714
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.0	37.4
39	56.3	38.5	57.7

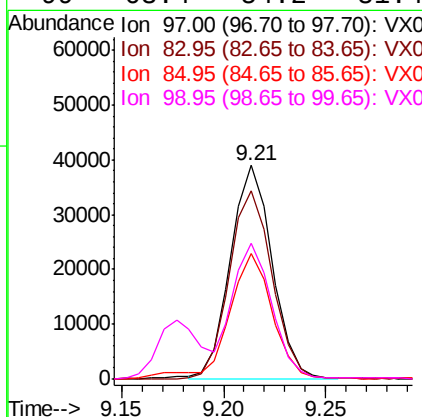
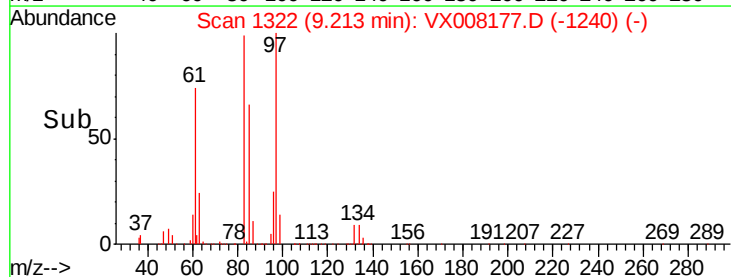
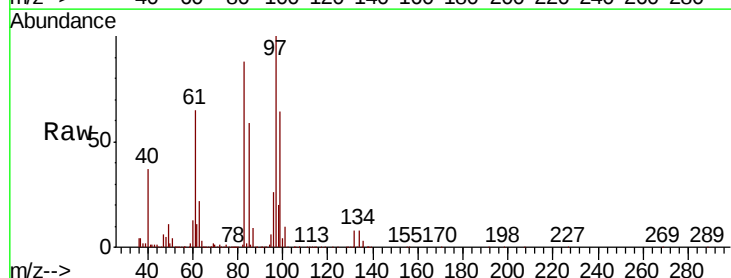
Manual Integrations
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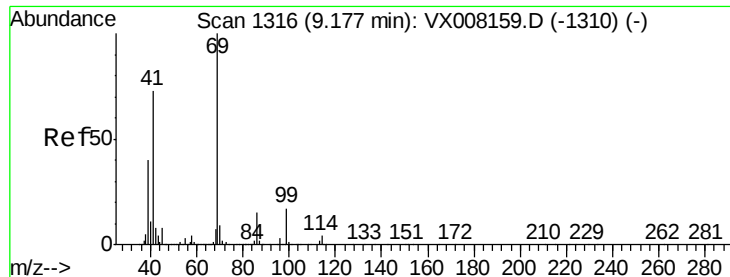
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 21.278 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion:	97	Resp:	55483
Ion Ratio	Lower	Upper	
97	100		
83	87.8	72.0	108.0
85	58.4	45.0	67.6
99	63.4	54.2	81.4





#51

Ethyl methacrylate

Concen: 20.852 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

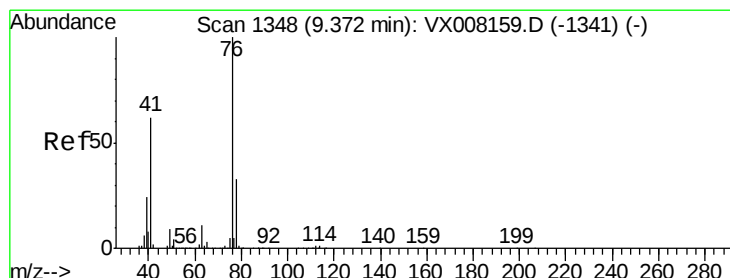
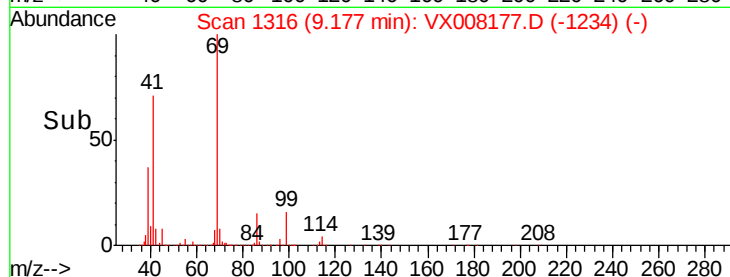
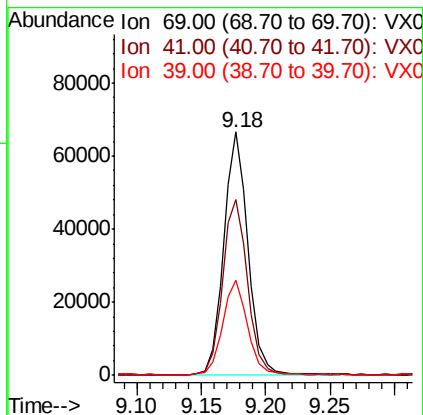
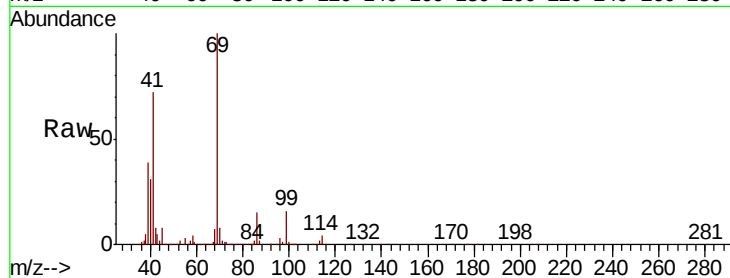
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	88144
Ion	Ratio	Lower	Upper
69	100		
41	72.2	32.1	96.5
39	38.6	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.158 ug/l

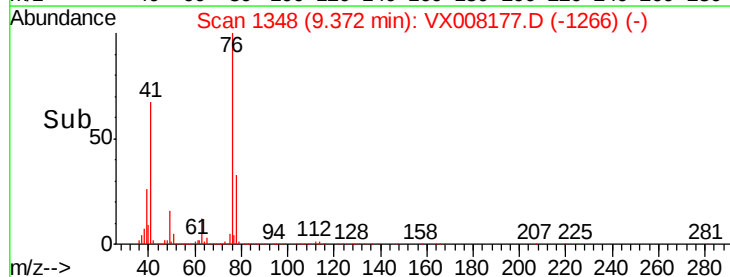
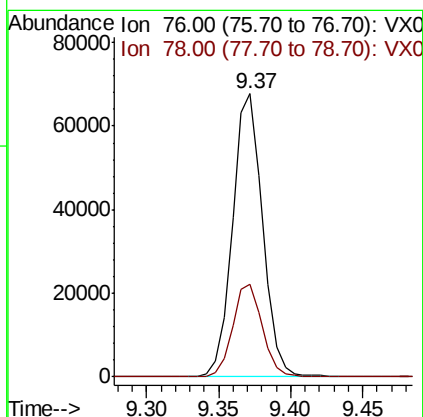
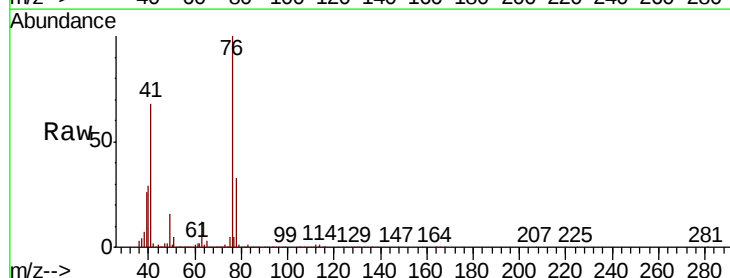
RT: 9.37 min Scan# 1348

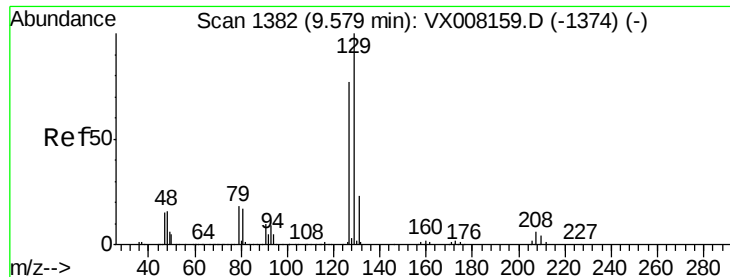
Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Tgt Ion:	76	Resp:	98783
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.2





#53

Dibromochloromethane

Concen: 20.226 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 50997

Ion Ratio Lower Upper

129 100

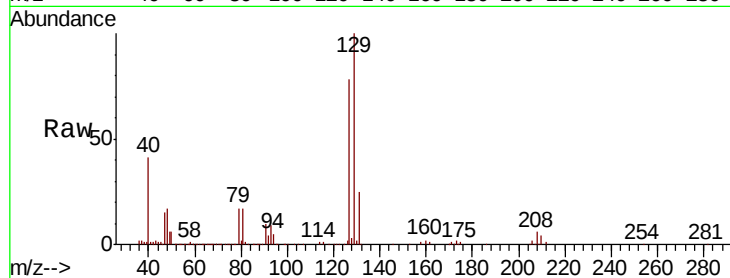
127 75.4 38.4 115.2

Manual Integrations

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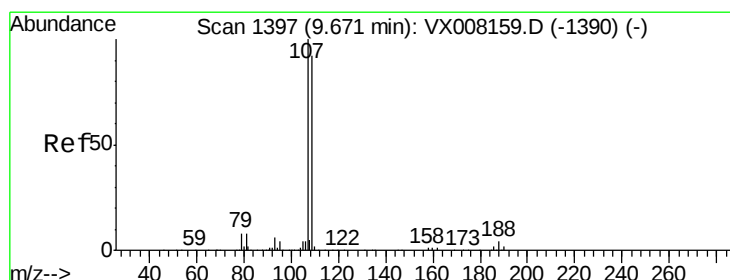
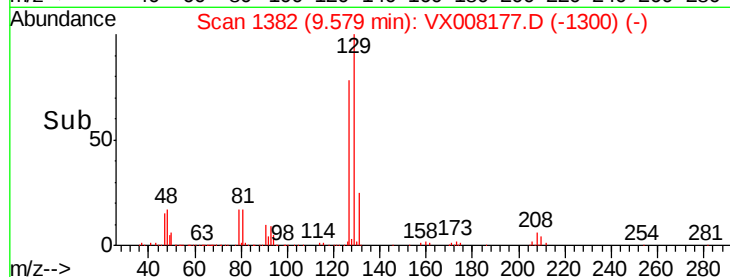
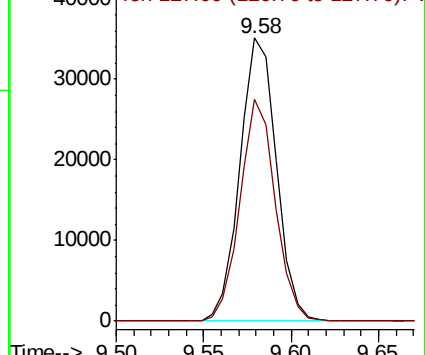
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.931 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008177.D

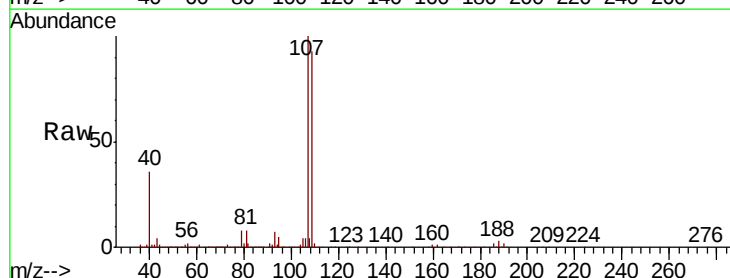
Acq: 18 Mar 2019 20:14

Tgt Ion:107 Resp: 56963

Ion Ratio Lower Upper

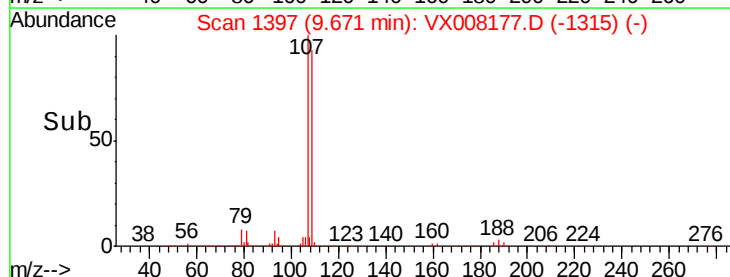
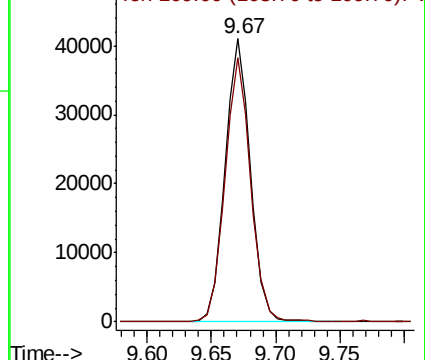
107 100

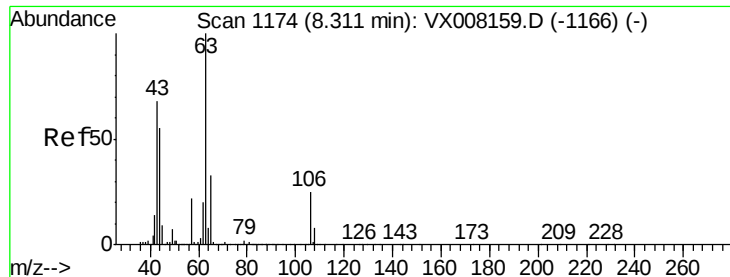
109 93.0 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 107.354 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 323083

Ion Ratio Lower Upper

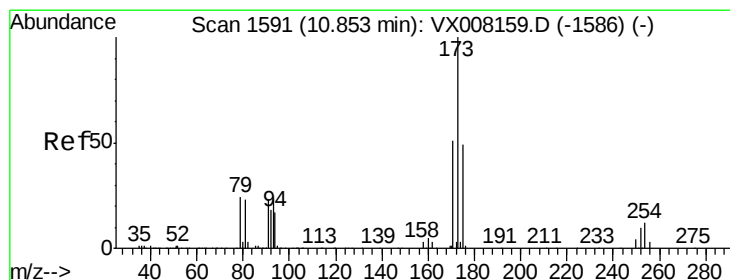
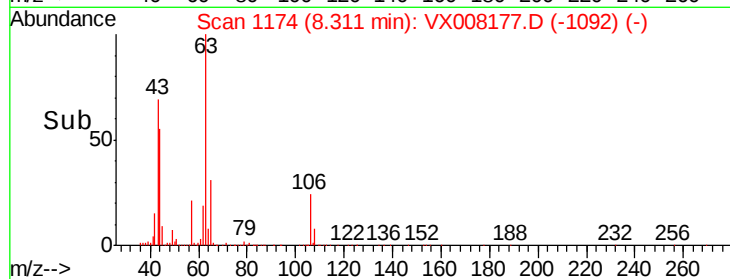
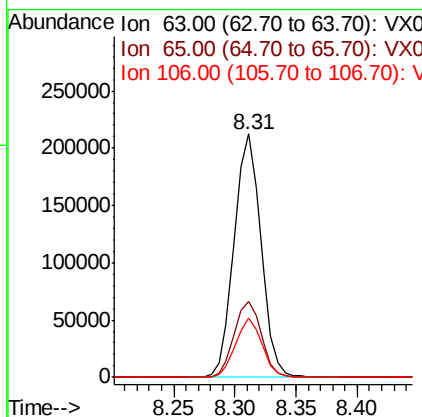
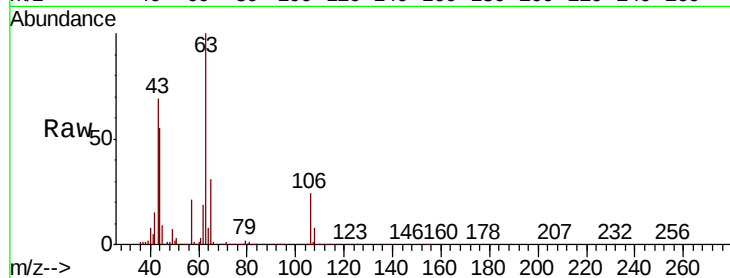
63 100

65 31.7 25.7 38.5

106 24.0 23.7 35.5

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#56

Bromoform

Concen: 19.260 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

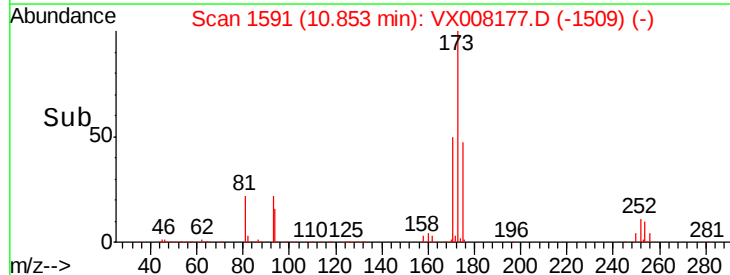
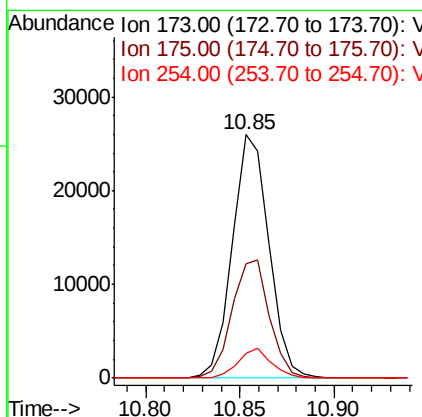
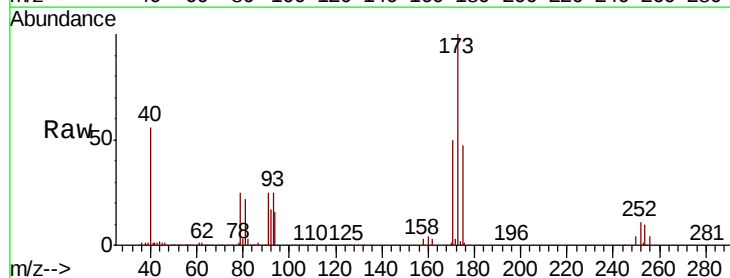
Tgt Ion:173 Resp: 34937

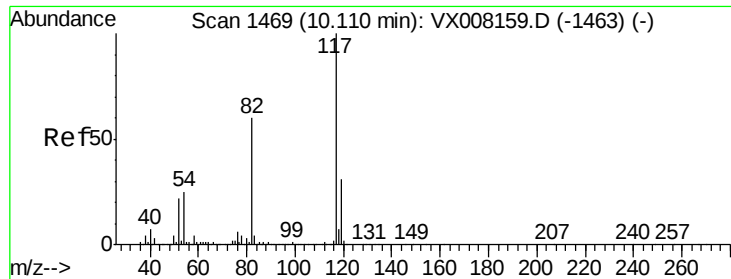
Ion Ratio Lower Upper

173 100

175 49.7 38.5 57.7

254 11.2 7.4 11.2#





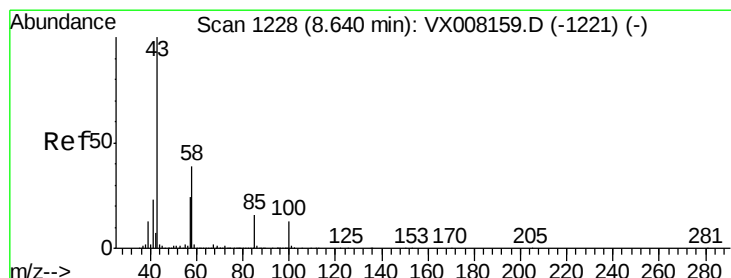
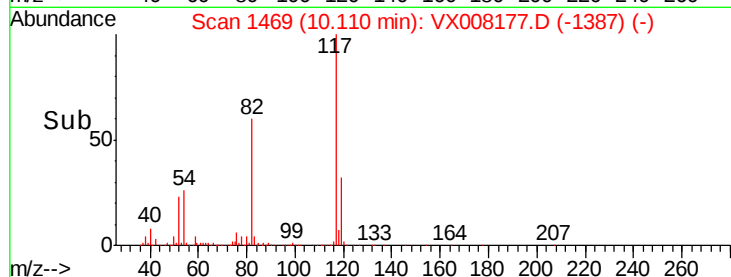
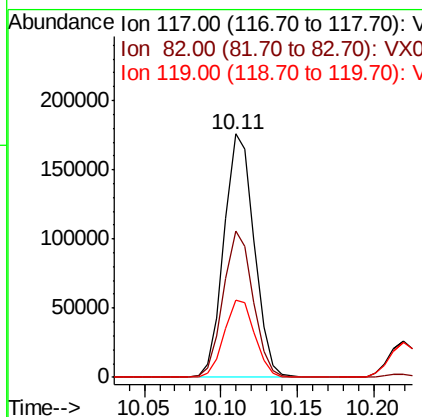
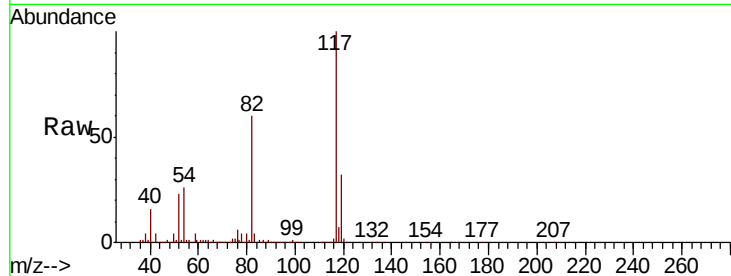
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240702		
82	59.3		40.4	60.6
119	32.1		25.8	38.6

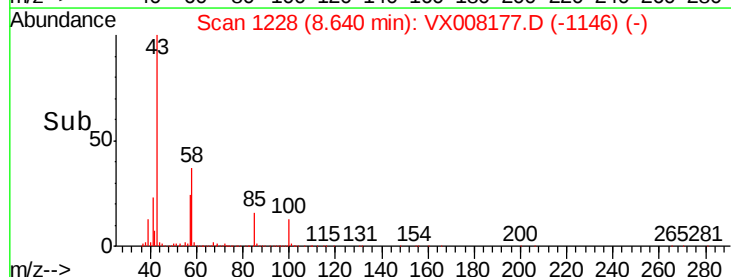
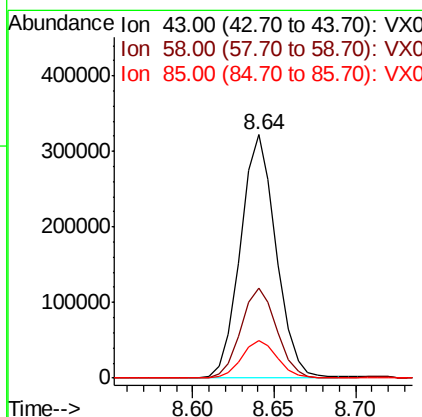
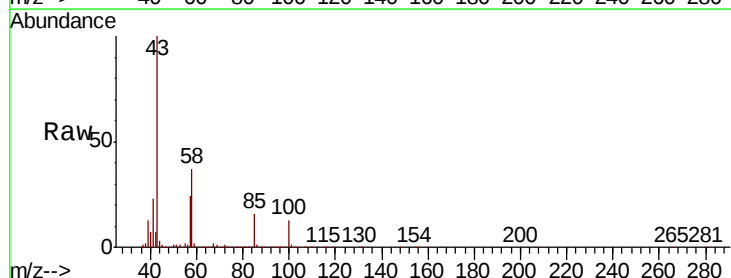
Manual Integrations
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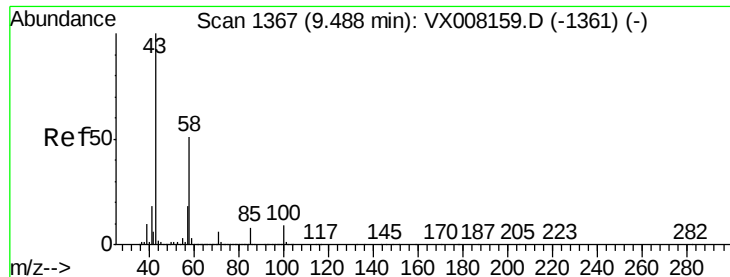
MMDadoda
3/19/2019 9:36:39 AM



#58
4-Methyl-2-Pentanone
Concen: 106.129 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	488562		
58	37.4		31.4	47.0
85	15.5		15.0	22.6





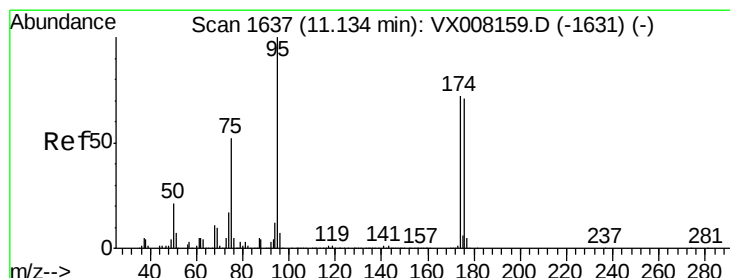
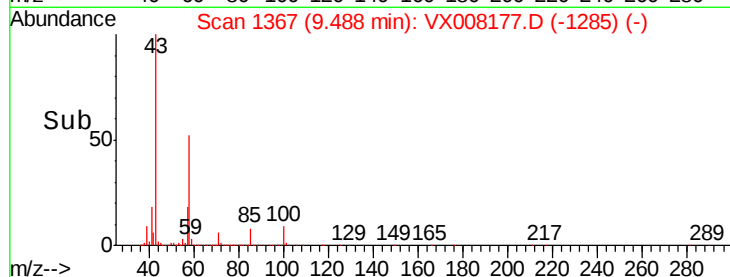
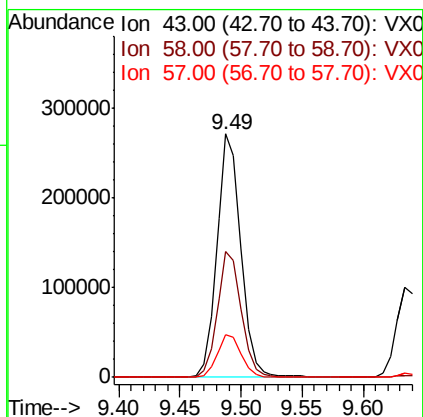
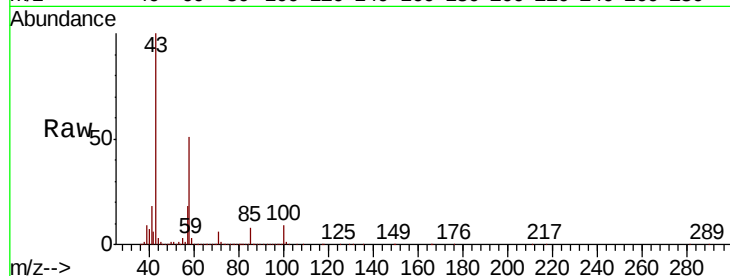
#59
2-Hexanone
Concen: 101.787 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	43.9	65.9
57	17.8	14.9	22.3

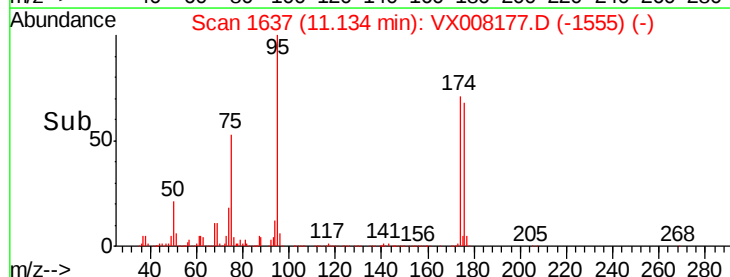
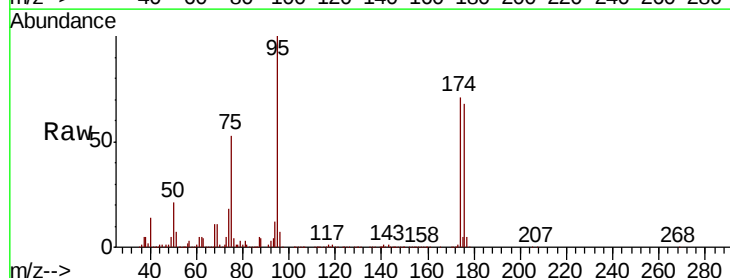
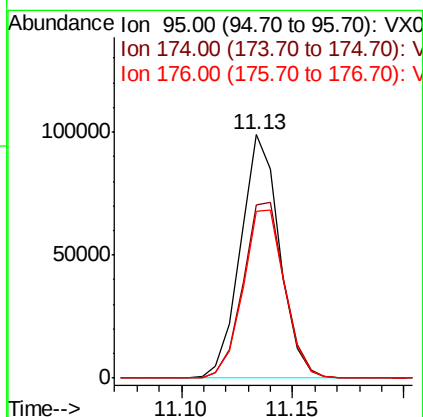
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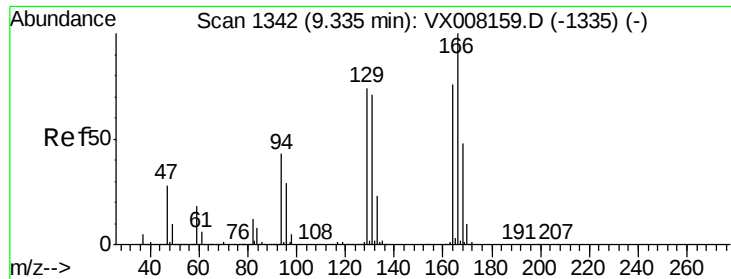
MMDadoda
3/19/2019 9:36:39 AM



#60
4-Bromofluorobenzene
Concen: 29.917 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	74.9	112.3
176	74.2	70.7	106.1





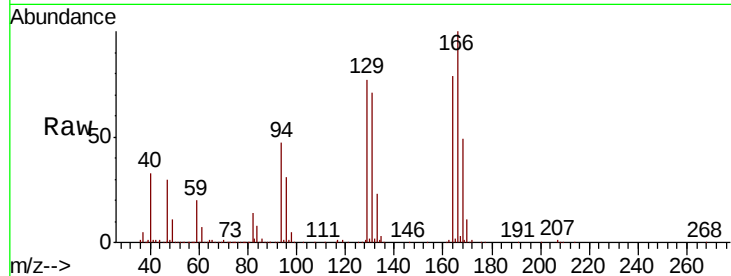
#61
Tetrachloroethene
Concen: 20.904 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.9	155.9
129	97.5	74.7	112.1
131	90.0	71.7	107.5

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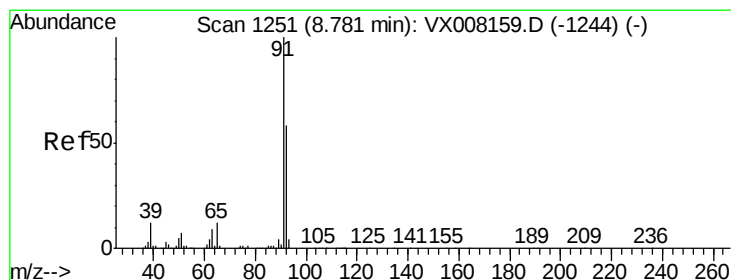
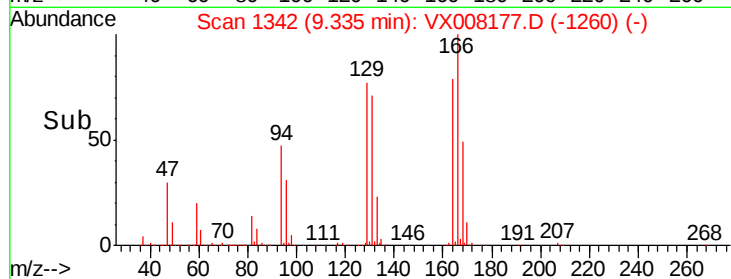
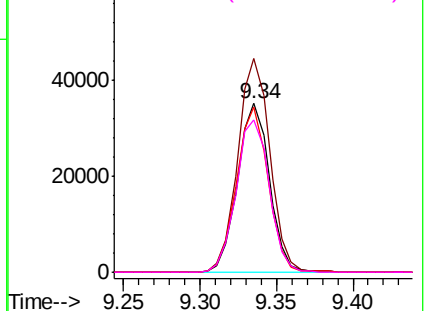
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

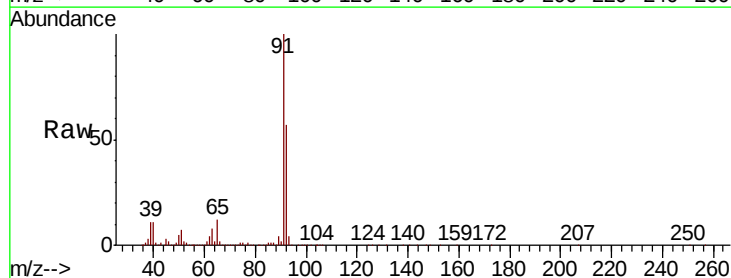
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.623 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

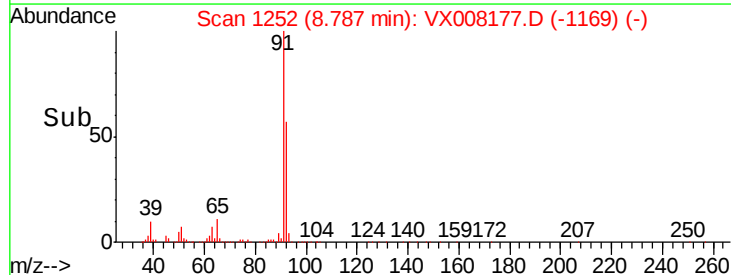
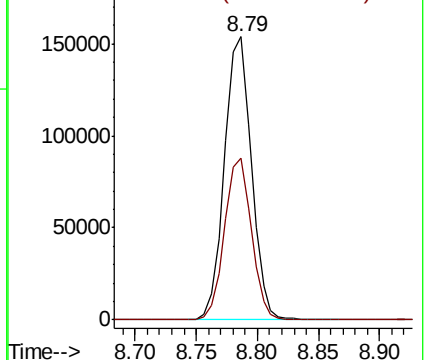
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	46.4	69.6

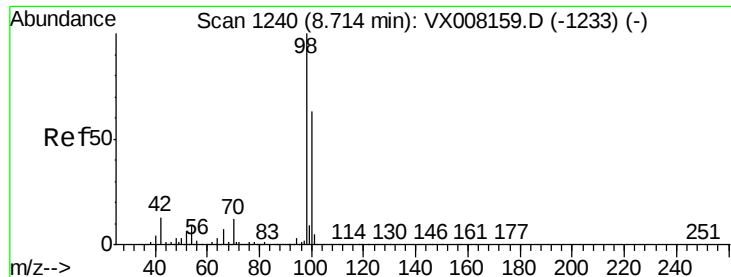


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.305 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 354426

Ion Ratio Lower Upper

98 100

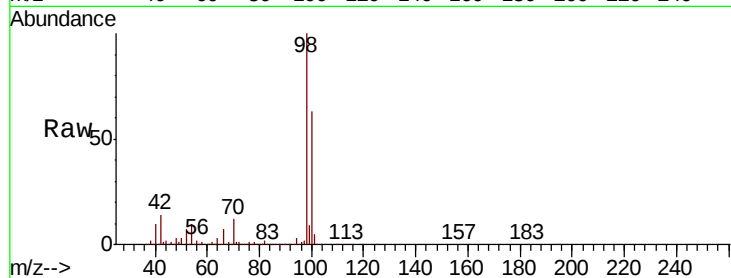
100 62.7 50.9 76.3

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

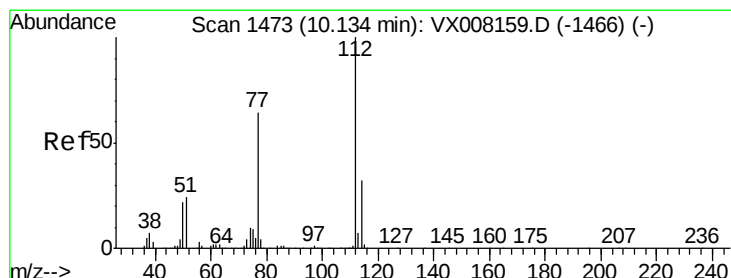
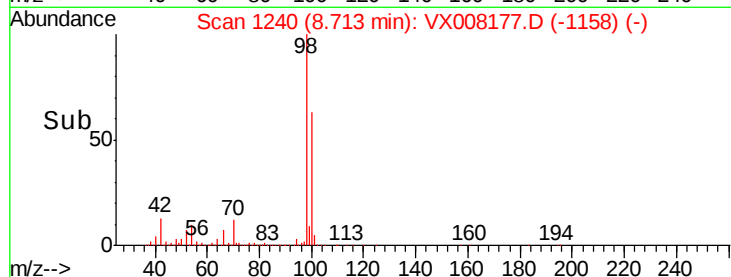
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 20.694 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008177.D

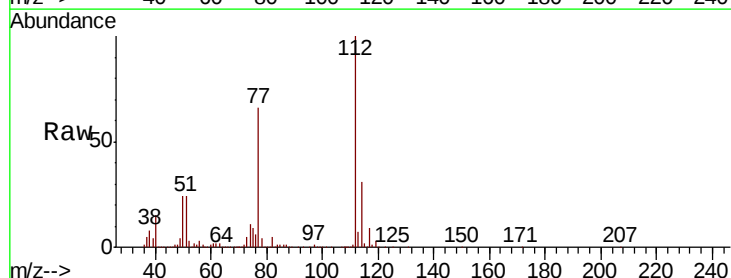
Acq: 18 Mar 2019 20:14

Tgt Ion: 112 Resp: 140204

Ion Ratio Lower Upper

112 100

114 30.9 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

100000

80000

60000

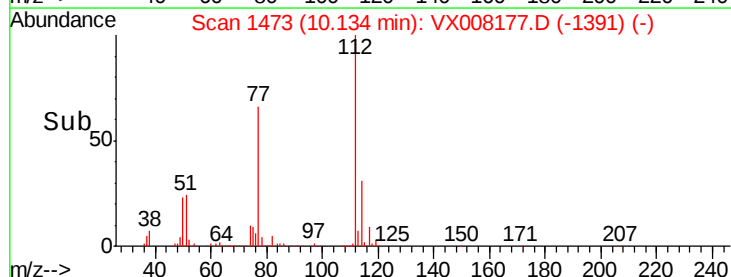
40000

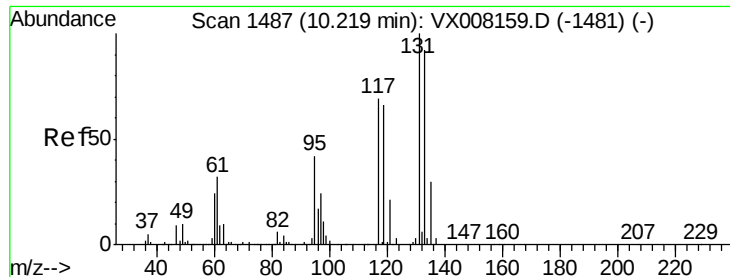
20000

0

10.05 10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.376 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

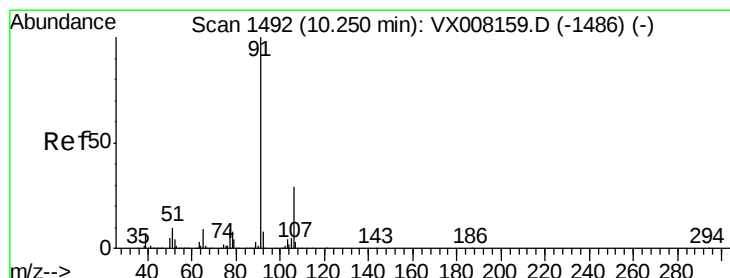
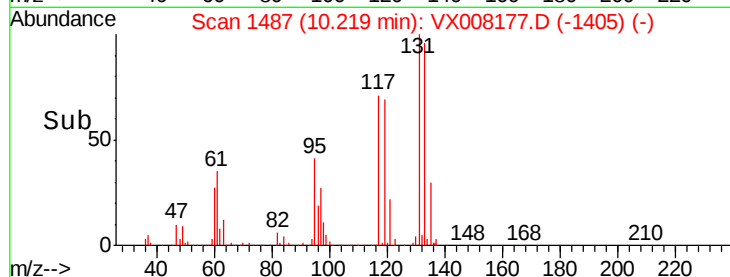
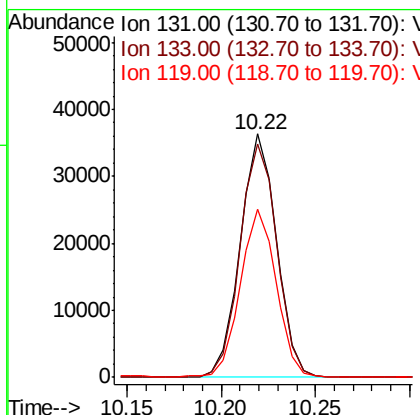
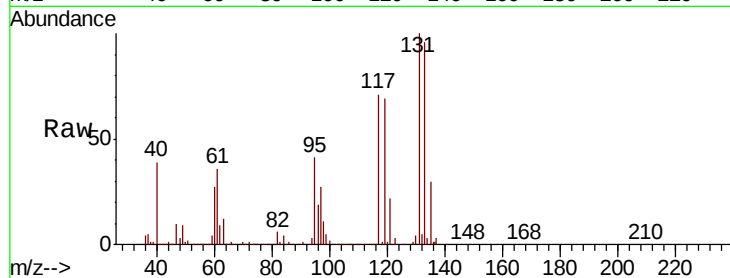
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	48406
Ion Ratio	Lower	Upper	
131	100		
133	98.2	0.0	191.6
119	68.7	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.166 ug/l

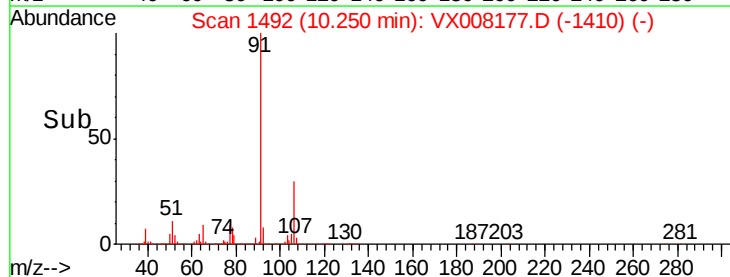
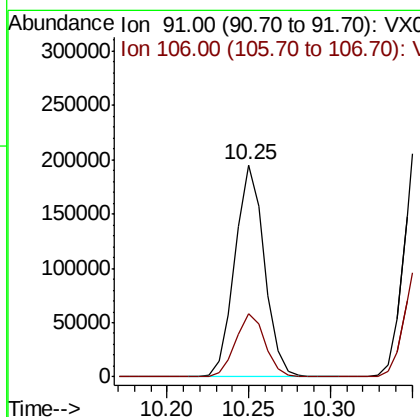
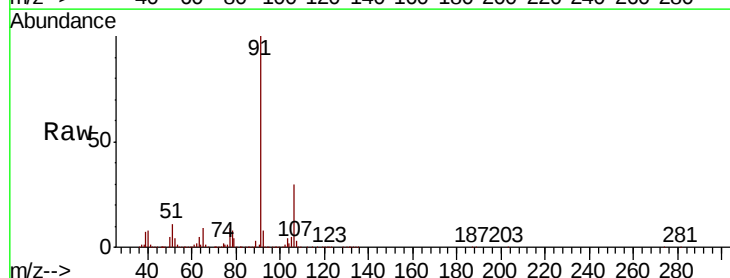
RT: 10.25 min Scan# 1492

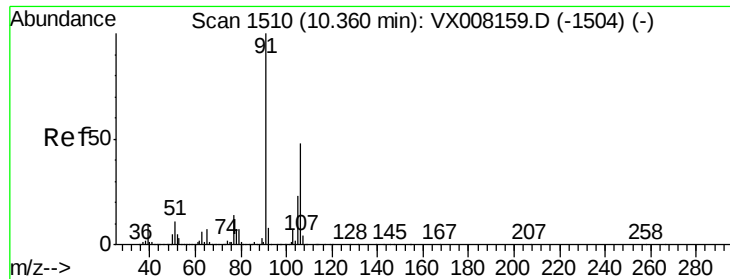
Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Tgt Ion:	91	Resp:	245190
Ion Ratio	Lower	Upper	
91	100		
106	29.6	26.0	39.0





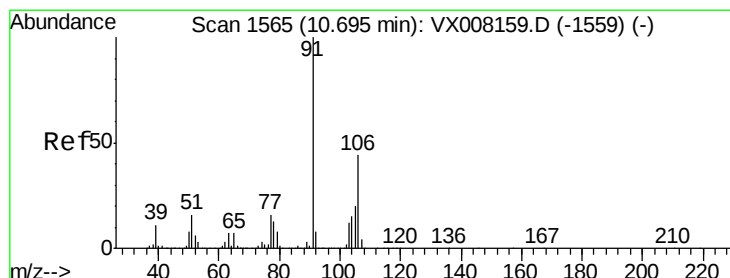
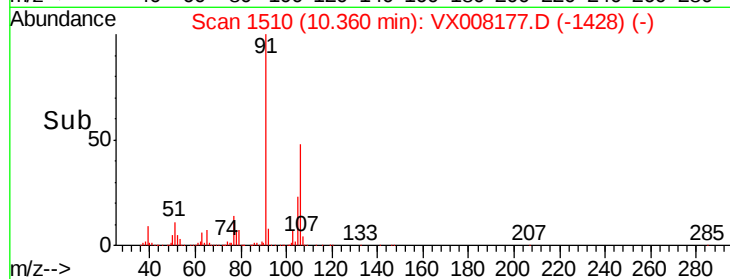
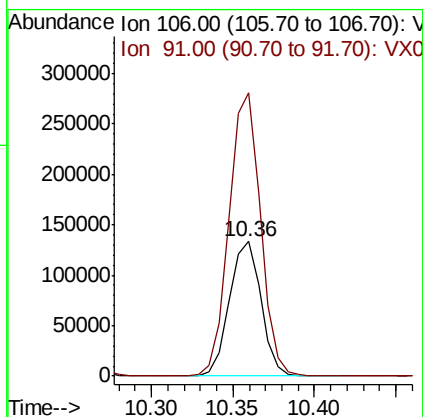
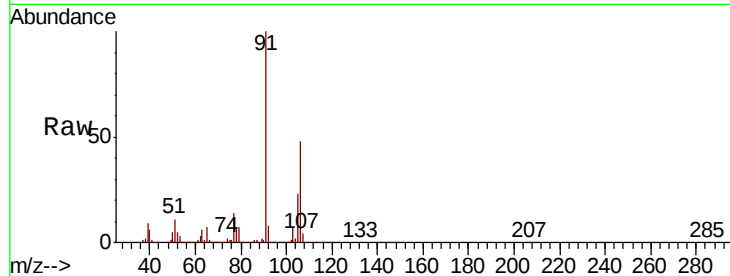
#67
m/p-Xylenes
Concen: 40.007 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	157.0	235.4

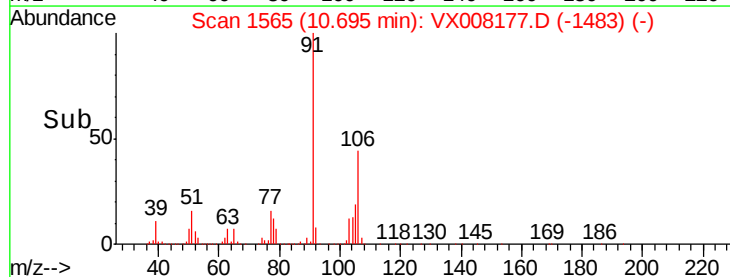
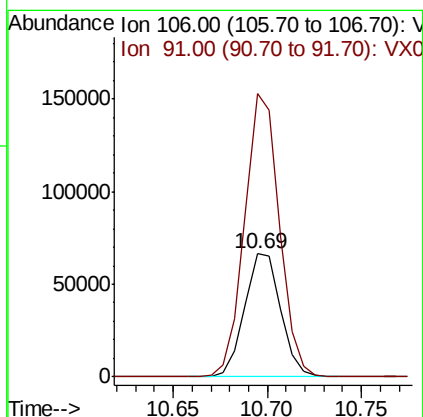
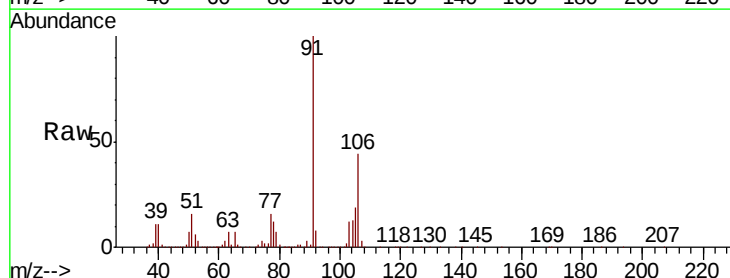
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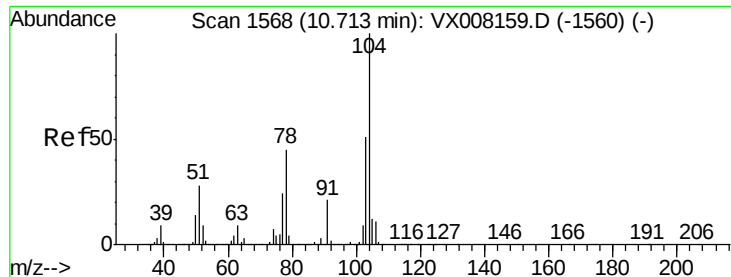
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#68
o-Xylene
Concen: 20.494 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
106	100		
91	221.9	104.4	313.2





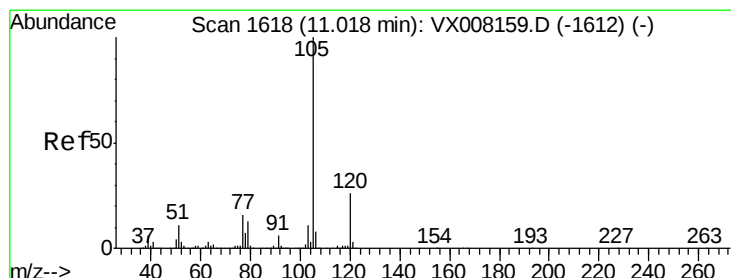
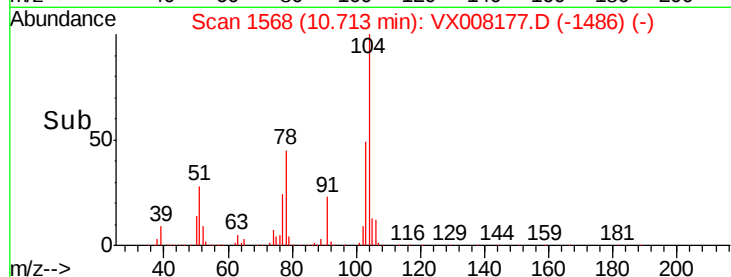
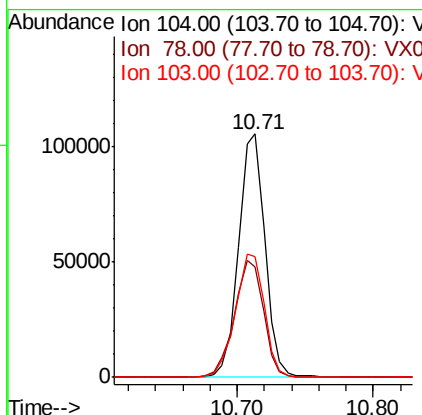
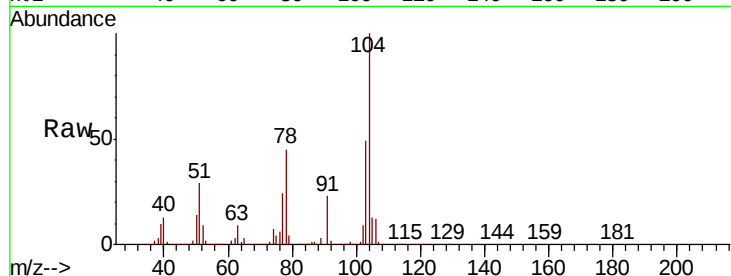
#69
Stvrene
Concen: 20.283 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	38.2	57.2
103	55.7	45.0	67.4

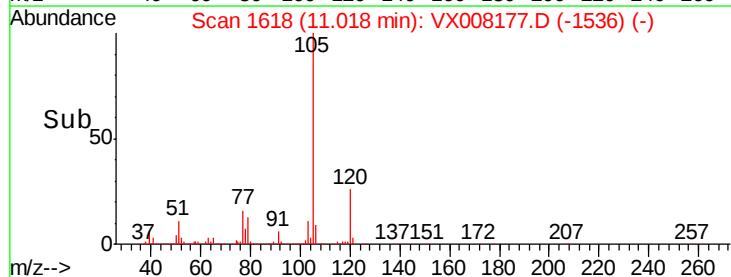
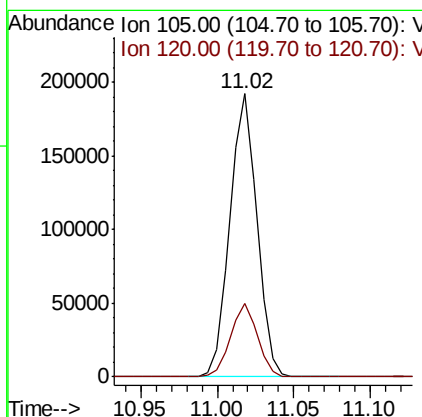
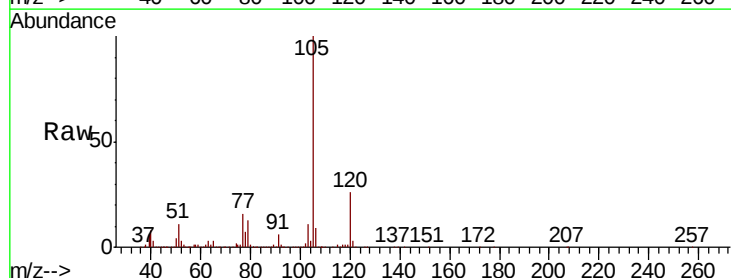
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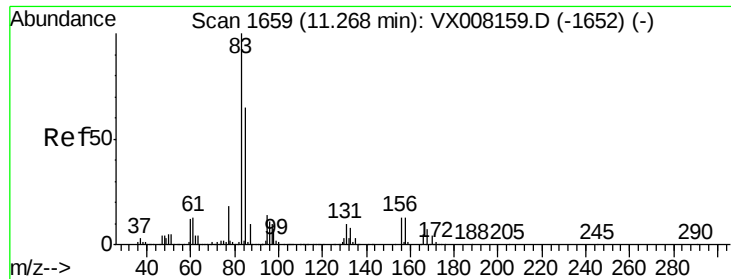
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#70
Isopropylbenzene
Concen: 20.226 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 21.329 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

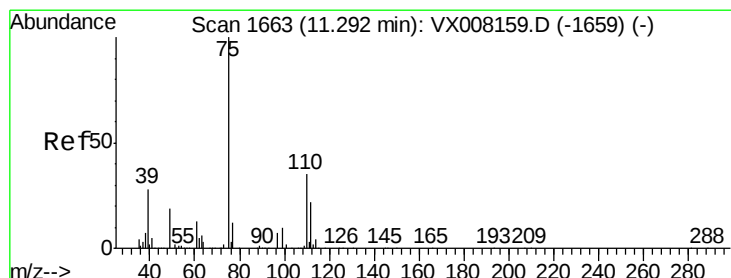
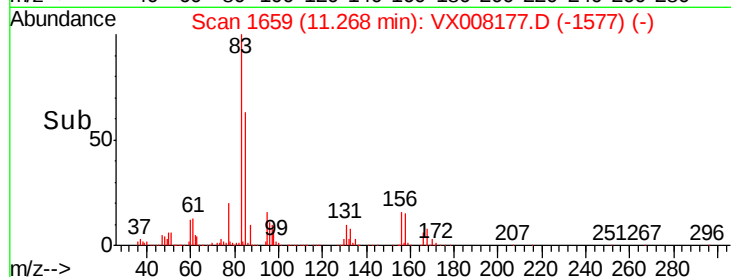
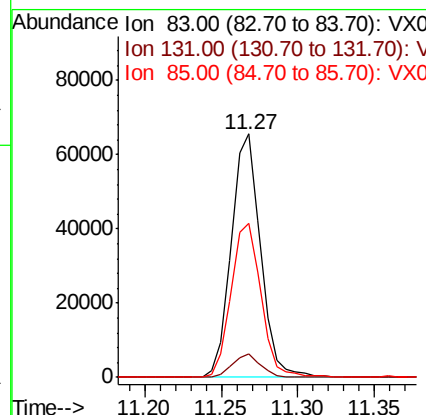
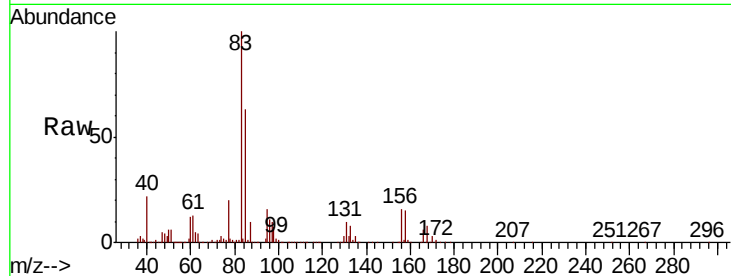
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	86949
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.4	16.2
85	65.0	32.8	98.4

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#72

1,2,3-Trichloropropane

Concen: 24.639 ug/l m

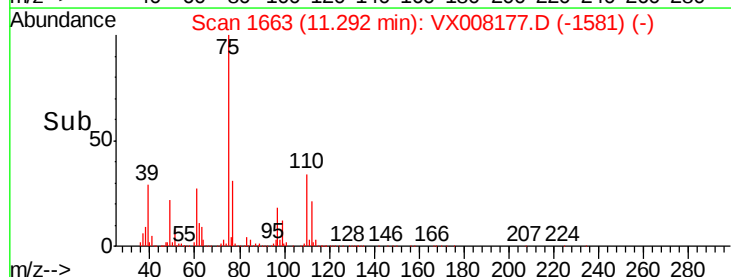
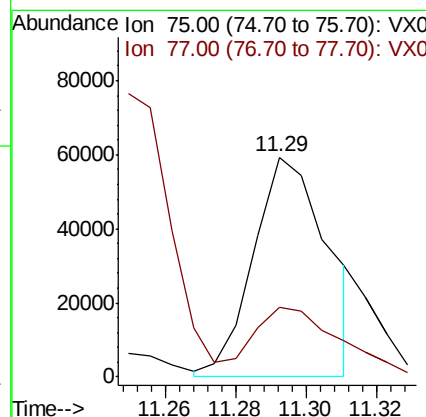
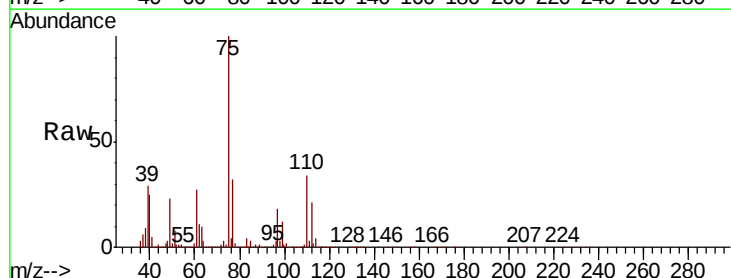
RT: 11.29 min Scan# 1663

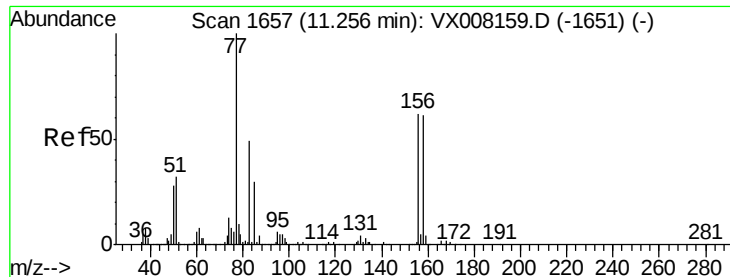
Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Tgt Ion:	75	Resp:	86617
Ion Ratio	Lower	Upper	
75	100		
77	37.4	0.0	76.4





#73

Bromobenzene

Concen: 20.156 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 55530

Ion Ratio Lower Upper

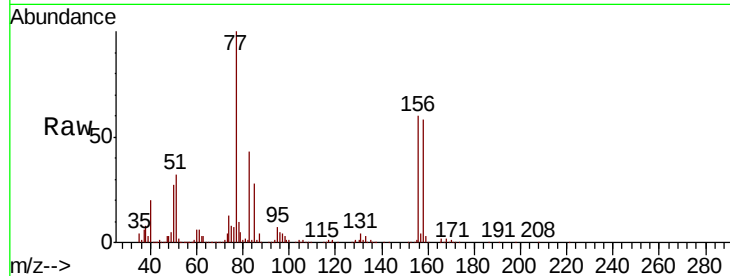
156 100

77 180.3 0.0 271.4

158 97.2 0.0 194.0

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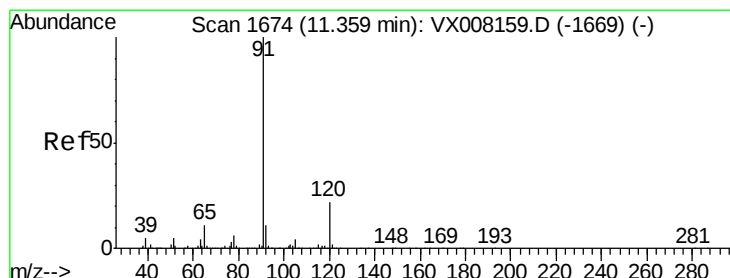
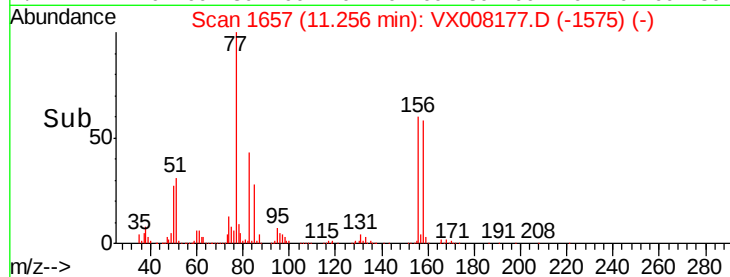
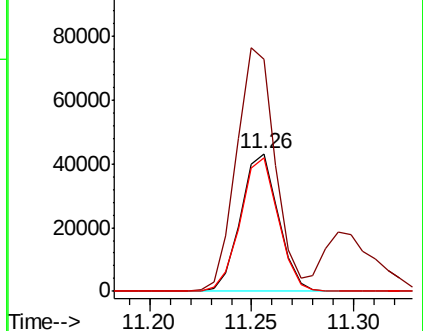
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.600 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008177.D

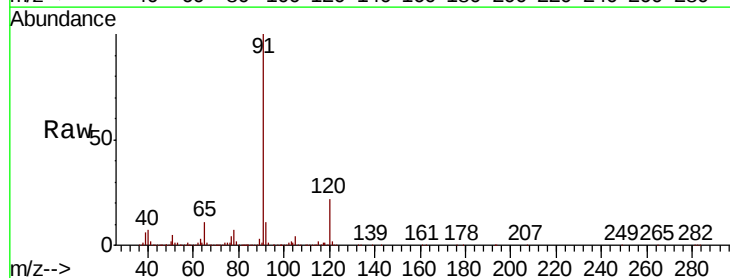
Acq: 18 Mar 2019 20:14

Tgt Ion: 91 Resp: 270076

Ion Ratio Lower Upper

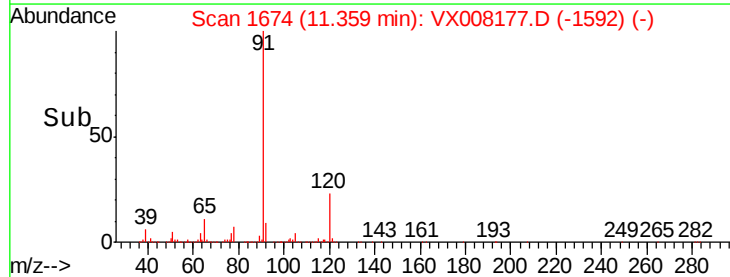
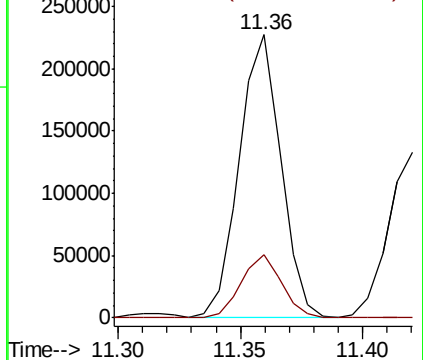
91 100

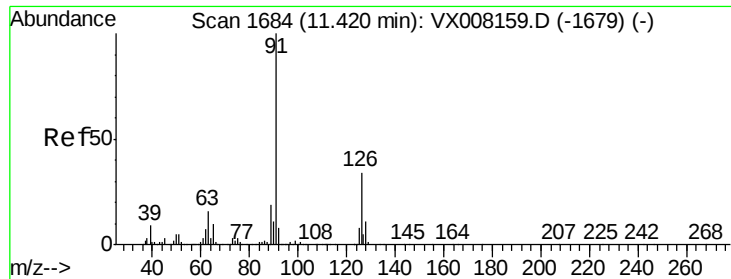
120 21.9 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.454 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 165574

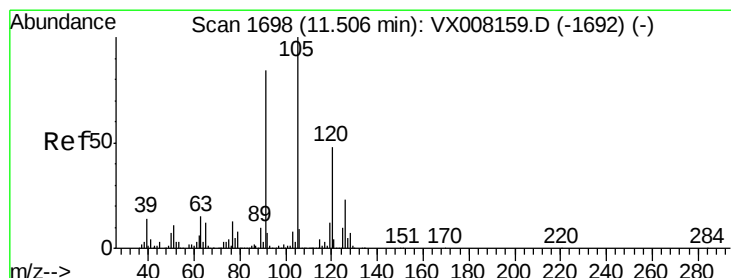
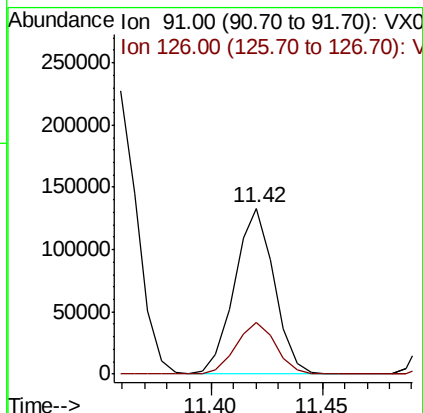
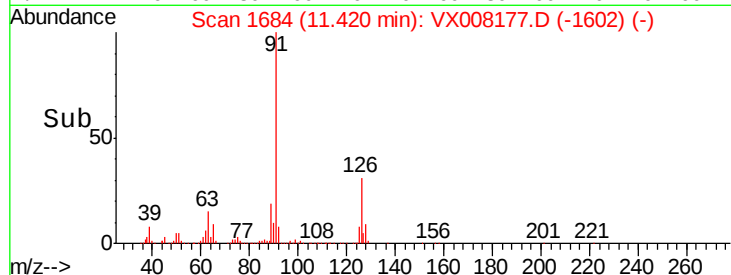
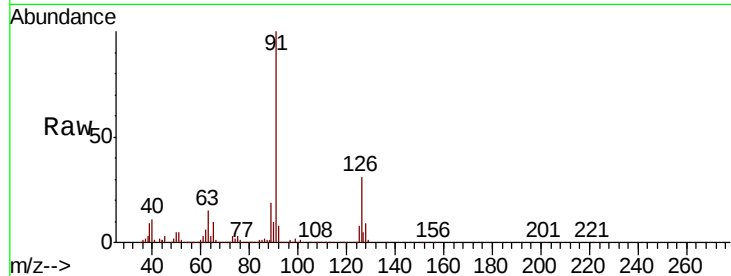
Ion Ratio Lower Upper

91 100

126 31.7 0.0 75.2

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#76

1,3,5-Trimethylbenzene

Concen: 20.028 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008177.D

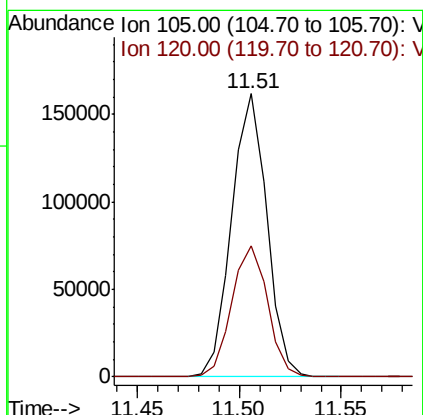
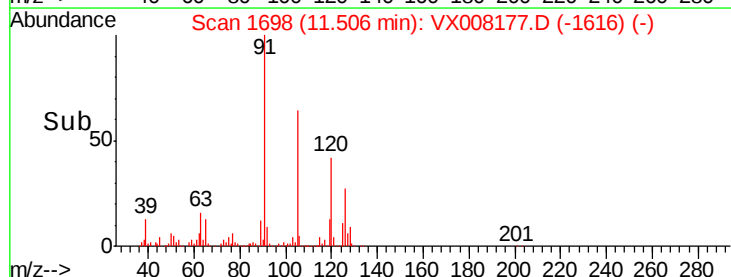
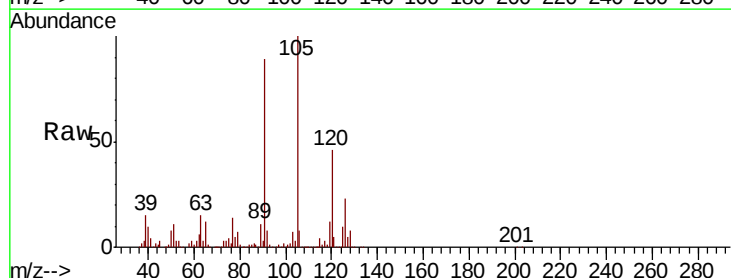
Acq: 18 Mar 2019 20:14

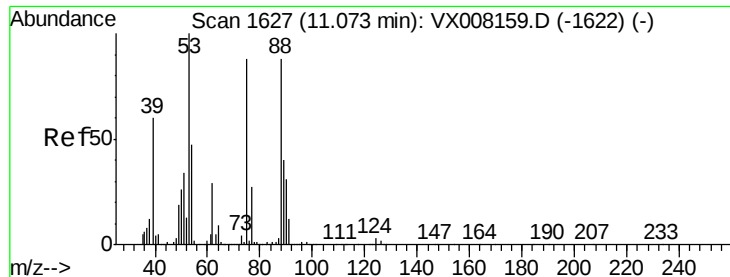
Tgt Ion: 105 Resp: 192750

Ion Ratio Lower Upper

105 100

120 47.3 0.0 101.0





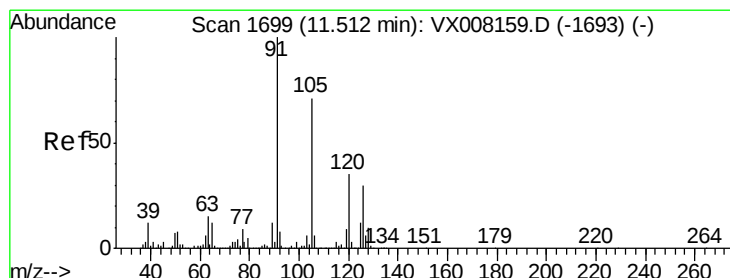
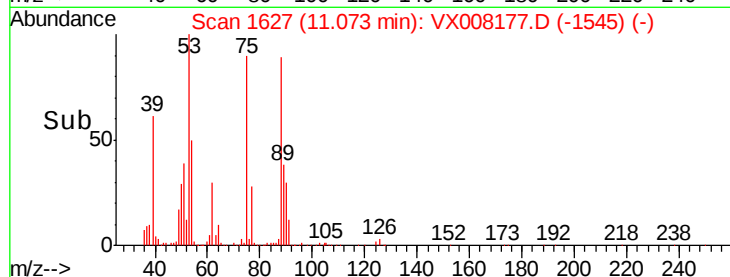
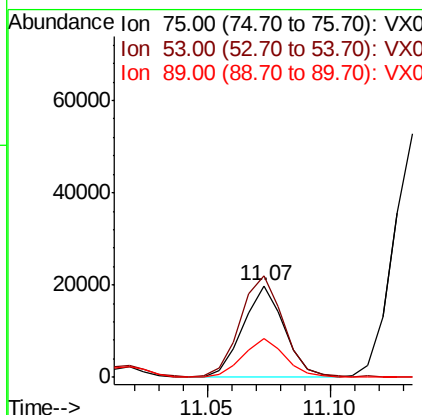
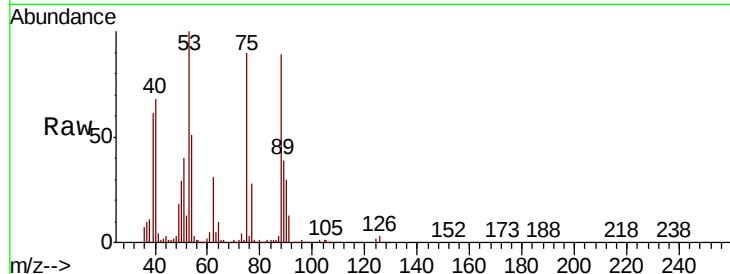
#77
t-1,4-Dichloro-2-butene
Concen: 18.544 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.4	55.5	166.7
89	42.8	24.4	73.2

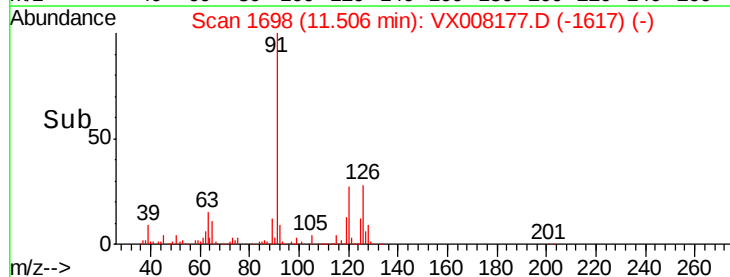
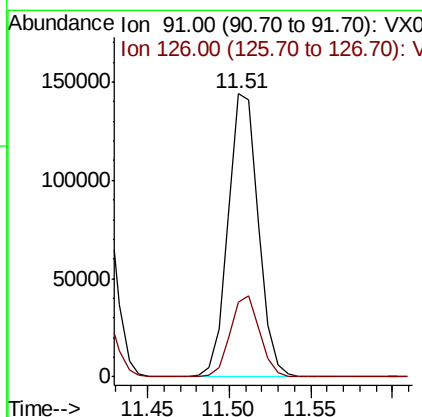
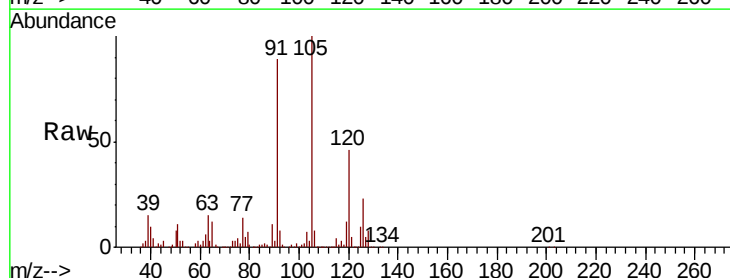
Manual Integrations
APPROVED

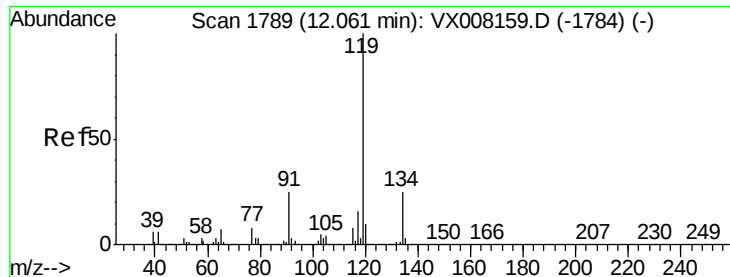
MMDadoda
3/19/2019 9:36:39 AM



#78
4-Chlorotoluene
Concen: 19.810 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	0.0	66.2





#79

tert-butylbenzene

Concen: 19.649 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Instrument :

MSVOA_X

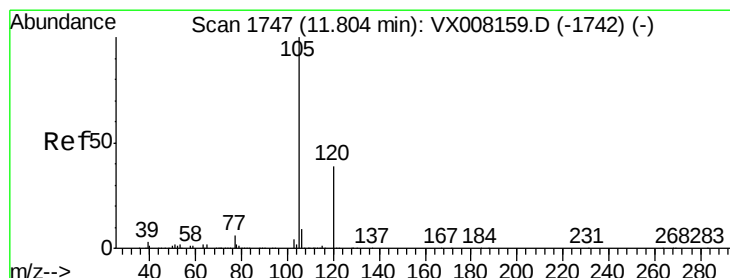
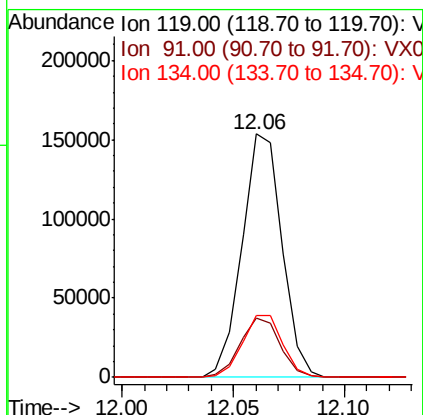
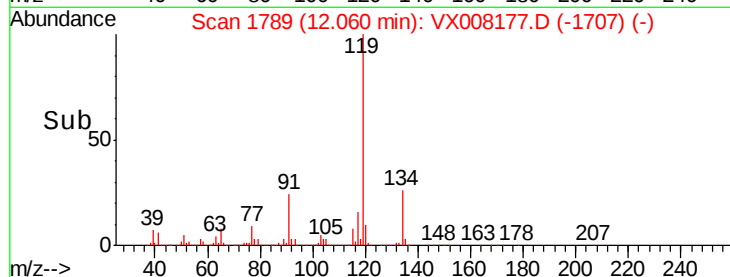
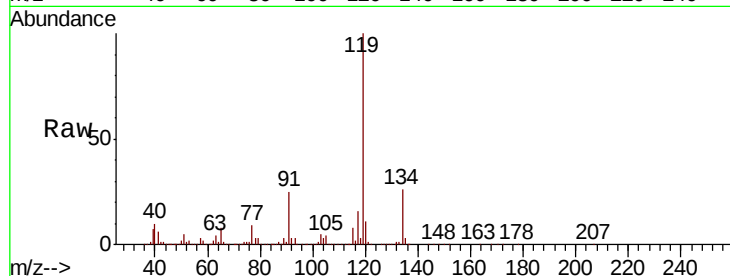
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192566		
91	24.5	0.0	45.0	
134	26.1	0.0	55.4	

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#80

1,2,4-Trimethylbenzene

Concen: 20.143 ug/l

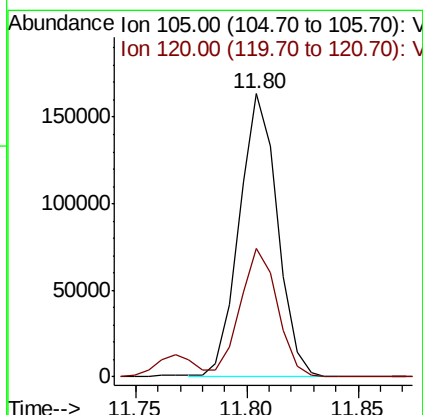
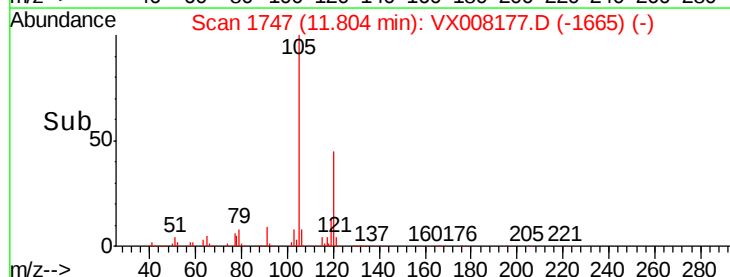
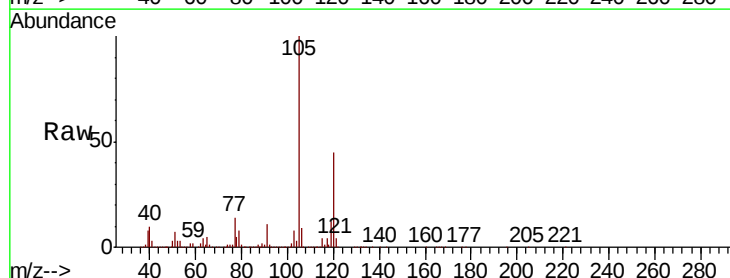
RT: 11.80 min Scan# 1747

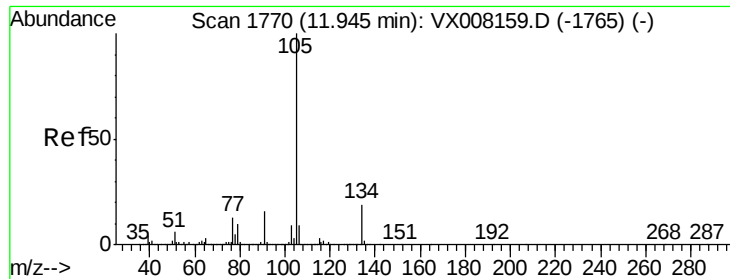
Delta R.T. -0.00 min

Lab File: VX008177.D

Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	195672		
120	45.0	0.0	94.0	





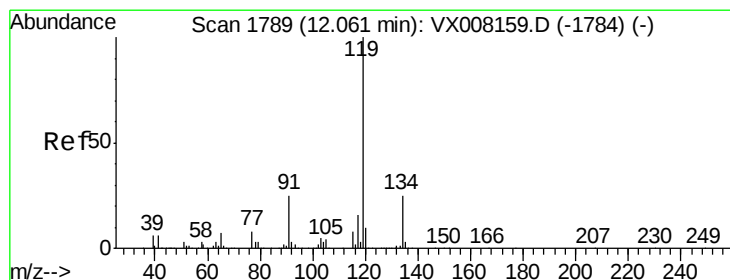
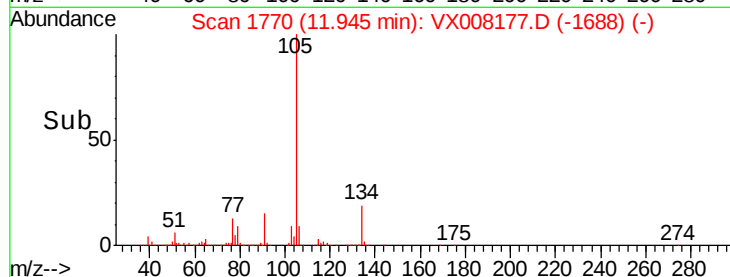
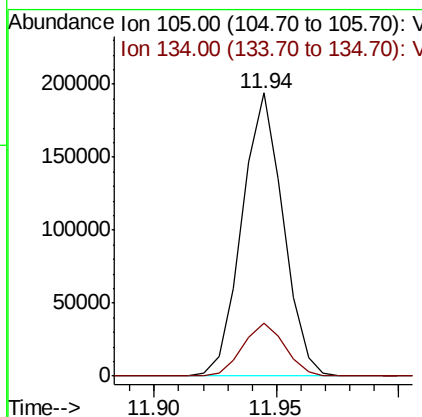
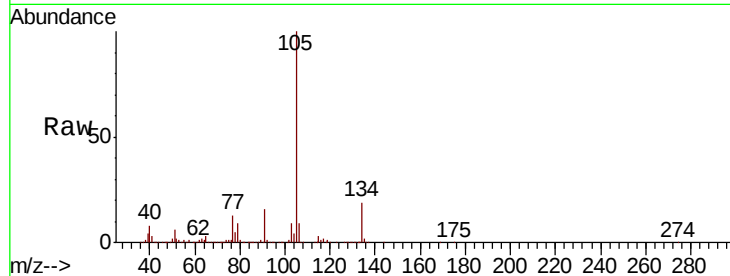
#81
sec-Butylbenzene
Concen: 19.686 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	226258		
134	19.4	0.0	41.8	

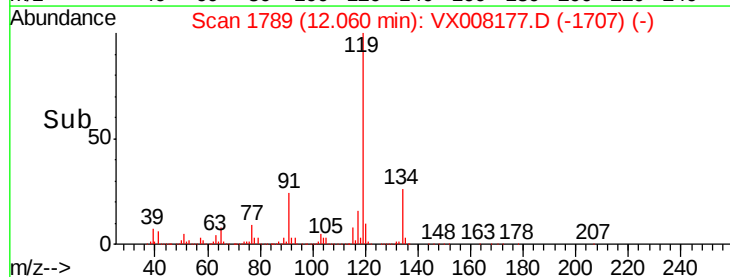
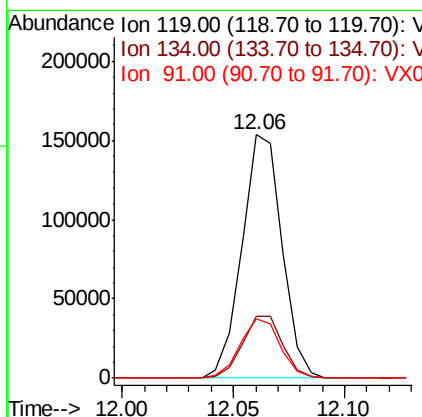
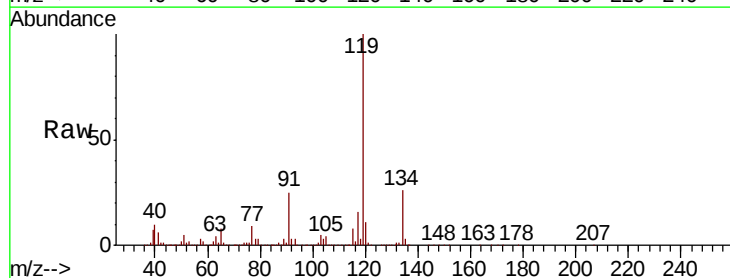
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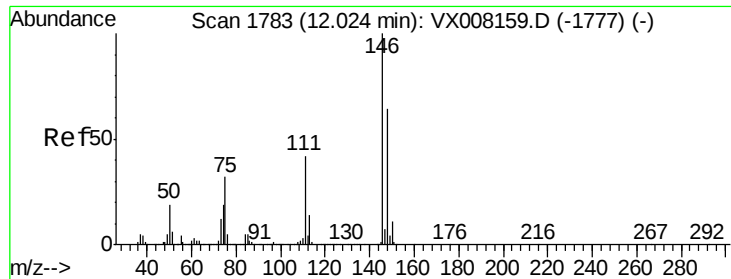
MMDadoda
3/19/2019 9:36:39 AM



#82
p-Isopropyltoluene
Concen: 19.649 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	192566		
134	26.1	0.0	55.4	
91	24.5	0.0	45.0	





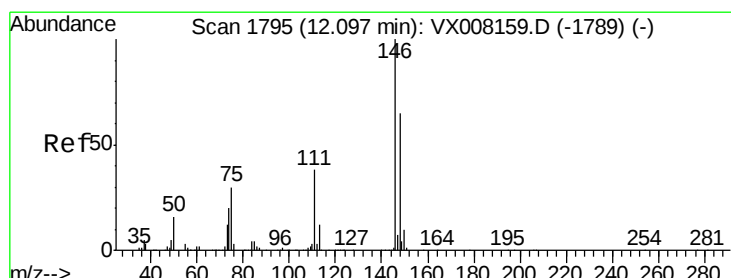
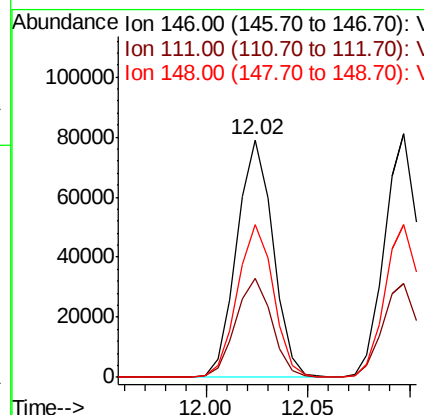
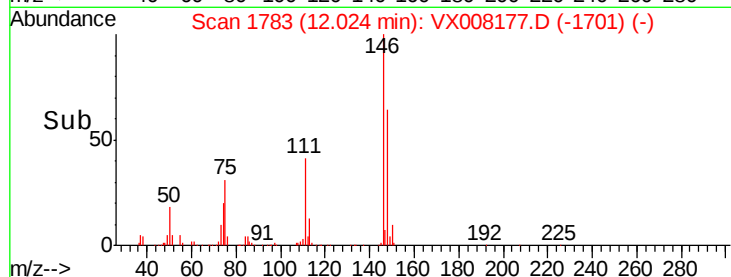
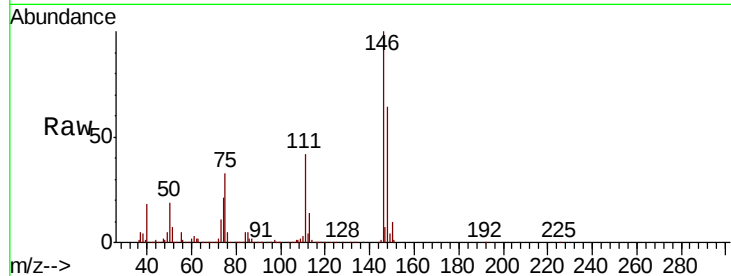
#83
 1,3-Dichlorobenzene
 Concen: 19.604 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	18.8	56.3
148	64.6	30.6	91.8

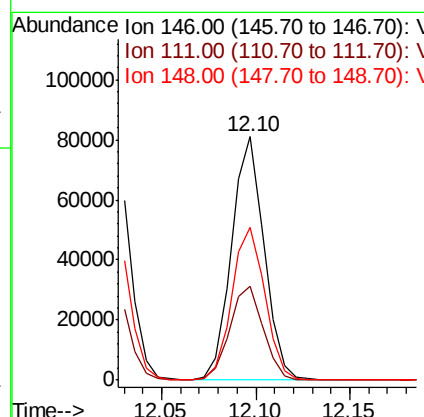
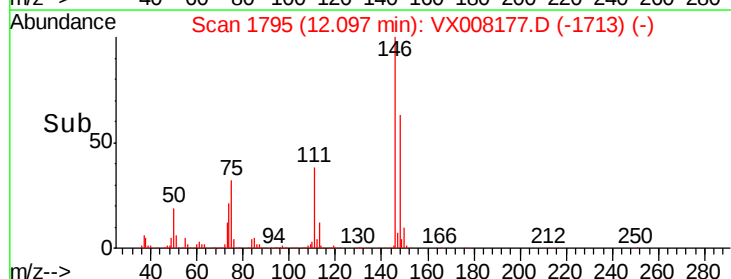
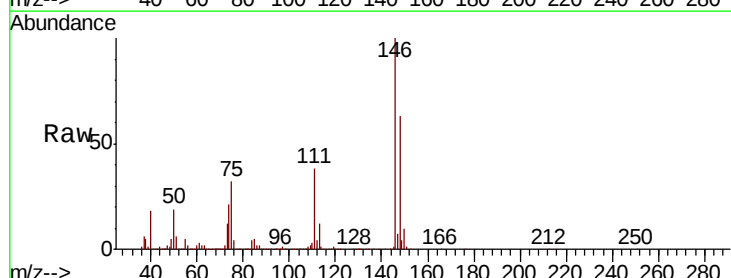
Manual Integrations
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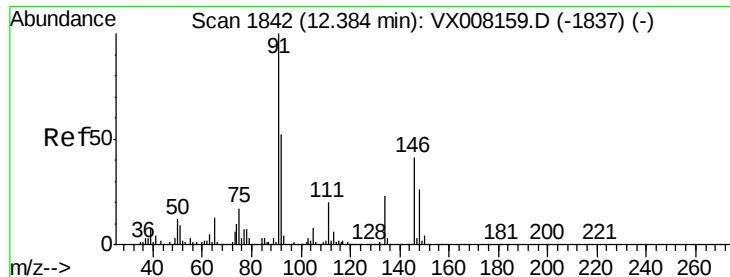
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#84
 1,4-Dichlorobenzene
 Concen: 19.765 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	17.6	52.8
148	63.8	31.4	94.2





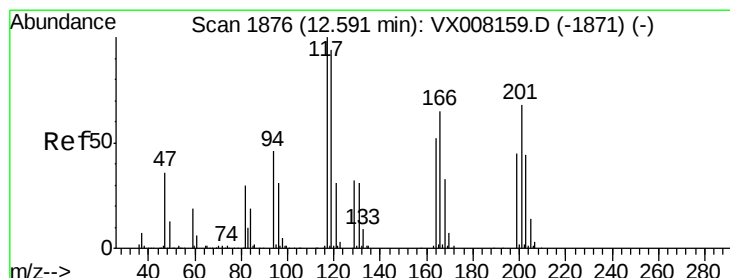
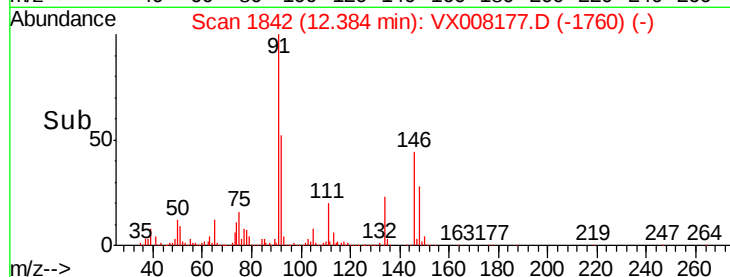
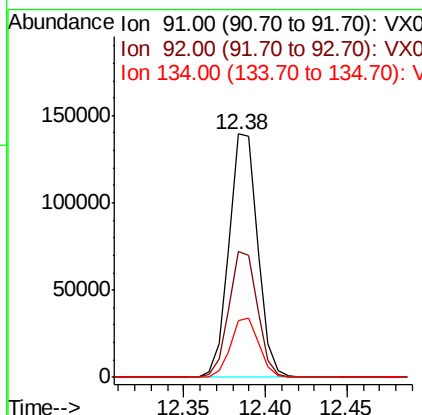
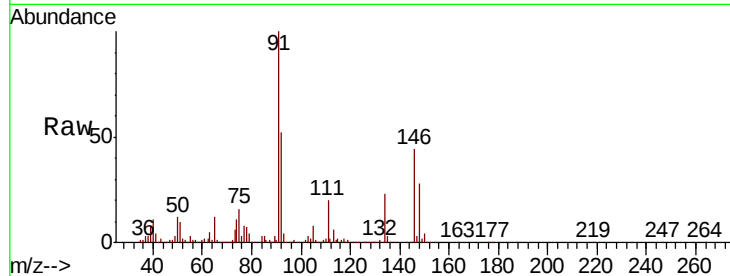
#85
n-Butylbenzene
Concen: 18.399 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	170031		
92	51.7	0.0	105.2	
134	24.1	0.0	56.4	

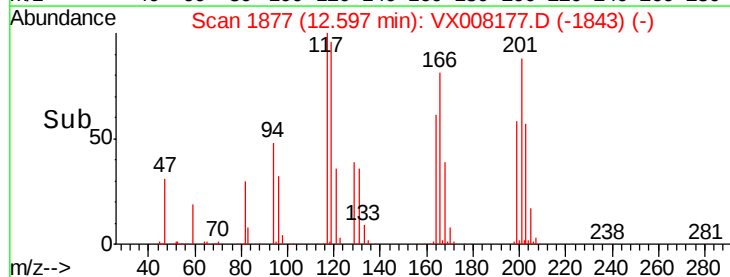
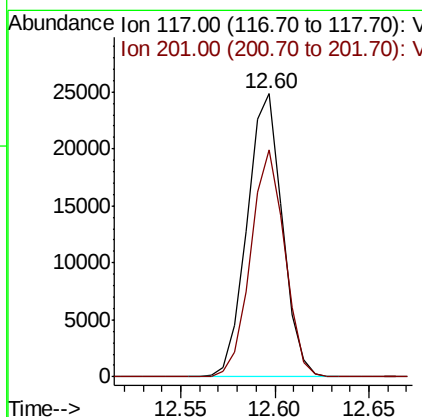
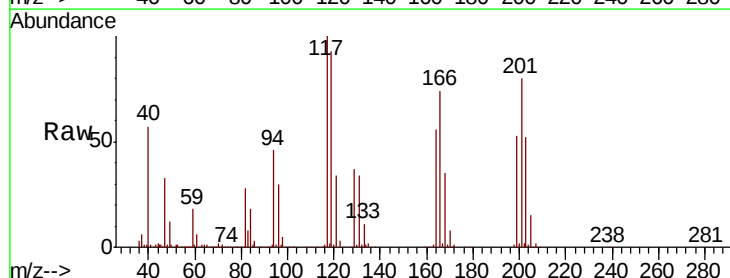
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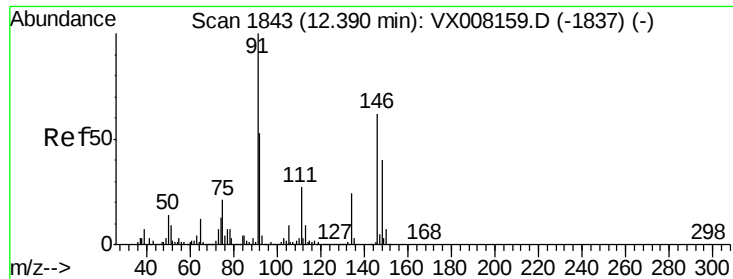
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#86
Hexachloroethane
Concen: 19.187 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32234		
201	77.3	41.1	123.3	





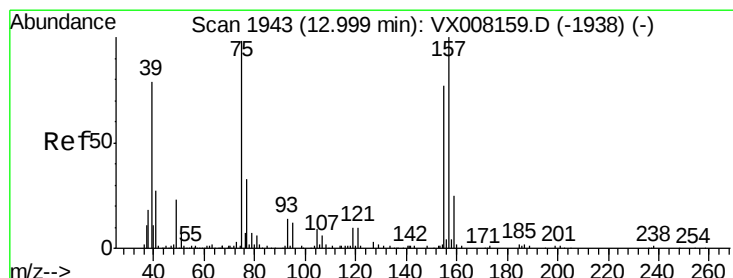
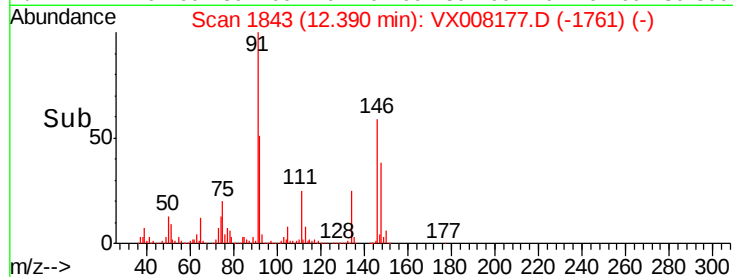
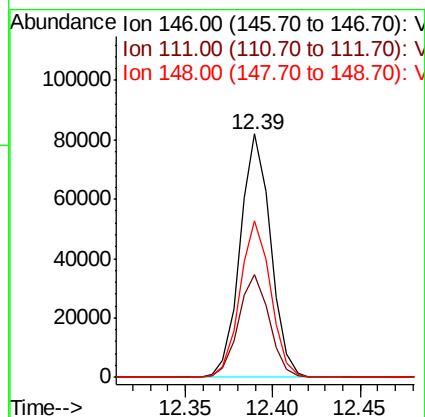
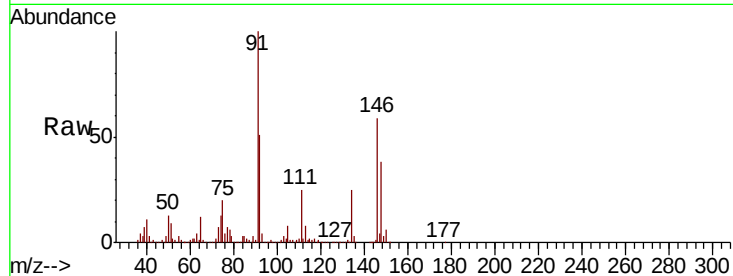
#87
 1,2-Dichlorobenzene
 Concen: 20.198 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	19.3	57.8
148	64.6	32.1	96.3

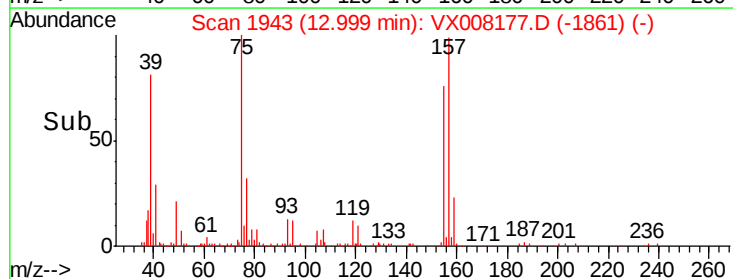
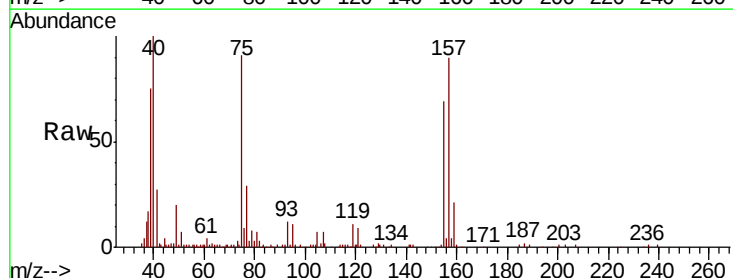
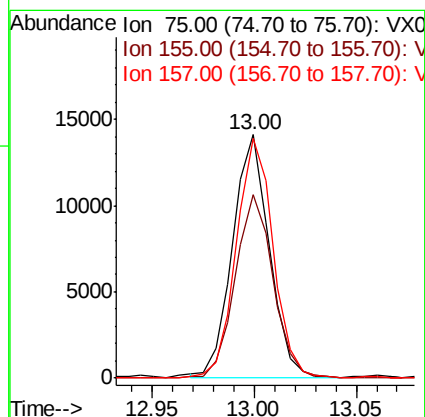
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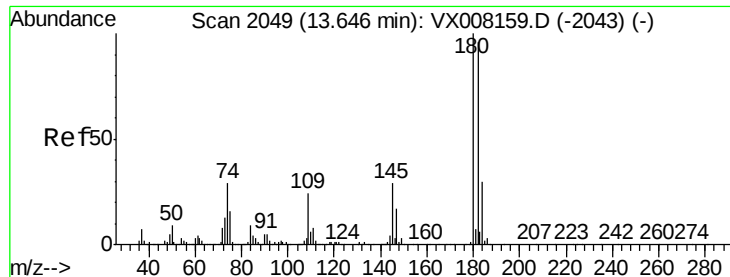
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 3/19/2019 9:36:39 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.518 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	81.0	121.6#
157	98.3	103.2	154.8#





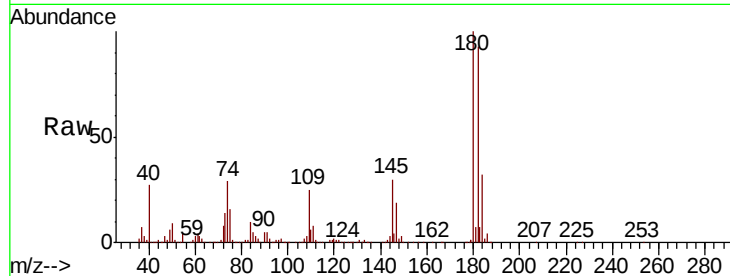
#89
 1,2,4-Trichlorobenzene
 Concen: 19.078 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.6	113.4
145	30.7	23.0	34.6

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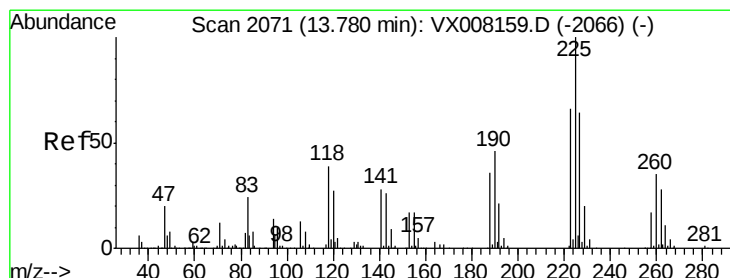
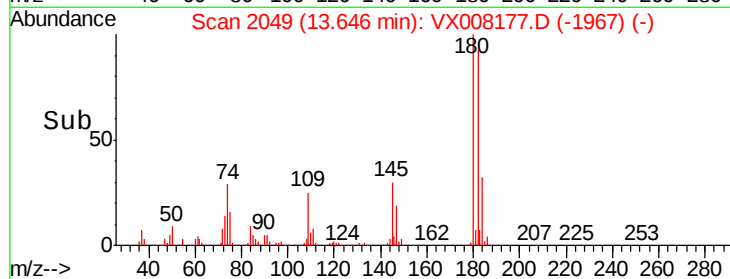
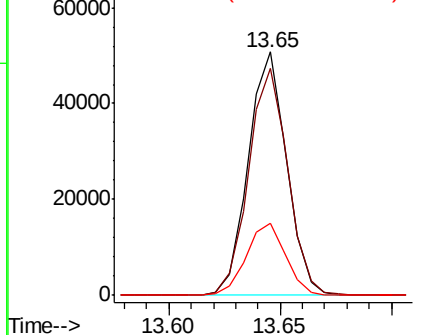


Abundance

Ion 180.00 (179.70 to 180.70): V

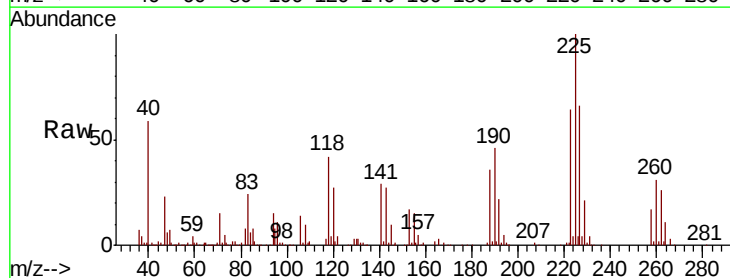
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.682 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008177.D
 Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	123.8
227	64.4	0.0	124.4

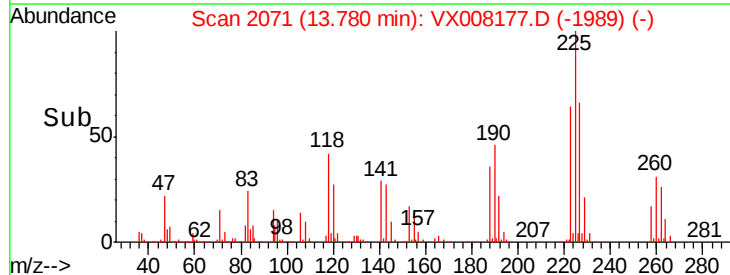
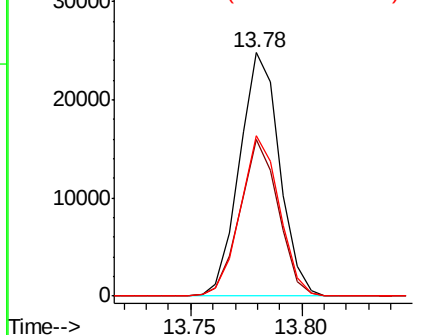


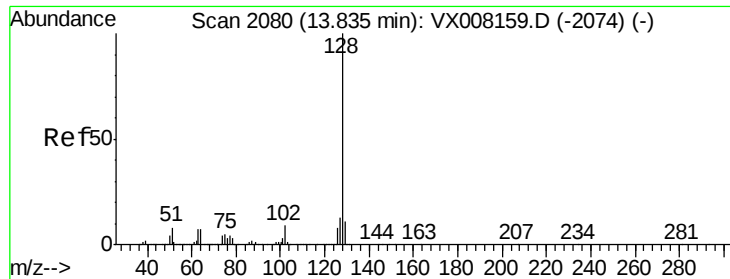
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





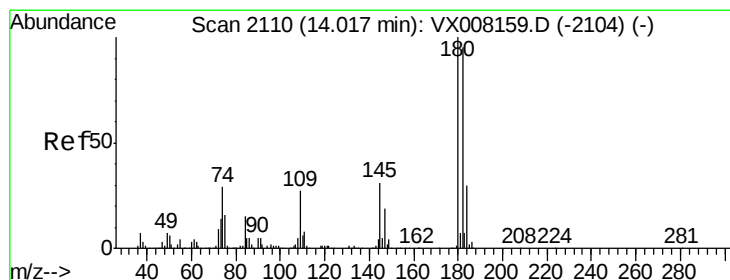
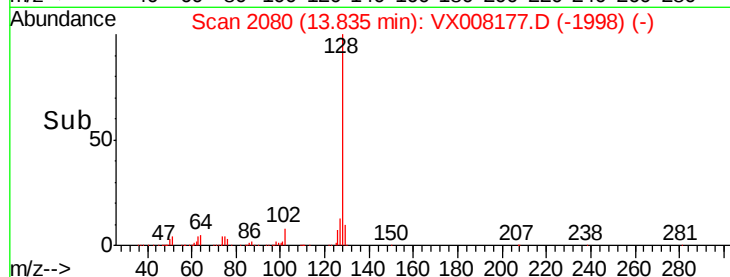
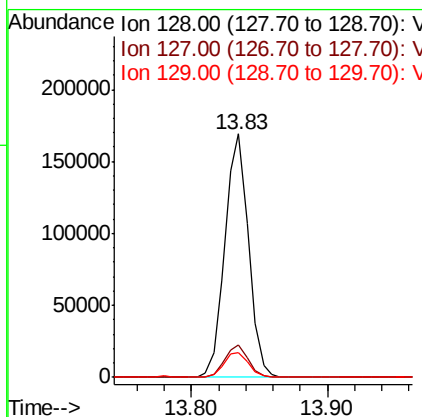
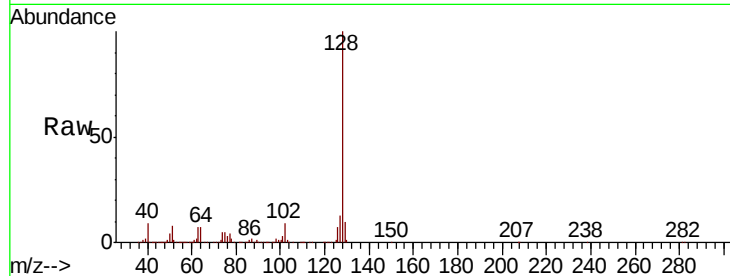
#91
Naphthalene
Concen: 19.666 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.8	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 19.527 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008177.D
Acq: 18 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.0
145	33.3	0.0	63.0

