

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008158.D
 Acq On : 18 Mar 2019 10:27
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:36:45 AM

Quant Time: Mar 18 12:07:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 11:50:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	56883	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	322979	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	285213	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	142588	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	11.13	95	143287	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	8.71	98	415130	29.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	16939	6.820	ug/l 99
3) Chloromethane	1.32	50	24262	7.898	ug/l 95
4) Vinyl Chloride	1.41	62	24900	7.825	ug/l 96
5) Bromomethane	1.64	94	22697	10.788	ug/l 99
6) Chloroethane	1.72	64	16503	8.608	ug/l 99
7) Trichlorofluoromethane	1.93	101	32149	8.298	ug/l 98
8) Diethyl Ether	2.19	74	14683	6.569	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	2.38	101	18756	6.789	ug/l 92
10) 1,1-Dichloroethene	2.37	96	16550m	6.324	ug/l
11) Methyl Iodide	2.51	142	16623	5.378	ug/l 97
12) Methyl Acetate	2.78	43	34216	7.855	ug/l 97
13) Acrolein	2.29	56	22362	36.326	ug/l 99
14) Acrylonitrile	3.14	53	60654	31.743	ug/l 98
15) Acetone	2.45	58	19159	28.425	ug/l 92
16) Carbon Disulfide	2.57	76	50811	6.162	ug/l 98
17) Allyl chloride	2.73	41	35108	6.335	ug/l 95
18) Methylene Chloride	2.86	84	20929	6.800	ug/l 92
19) trans-1,2-Dichloroethene	3.17	96	18441	6.558	ug/l 89
20) Diisopropyl ether	3.85	45	70600	6.333	ug/l # 86
21) 1,1-Dichloroethane	3.70	63	37067	6.470	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	21234	6.616	ug/l # 83
23) tert-Butyl Alcohol	3.05	59	21345	30.263	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	59759	6.321	ug/l 96
25) Chloroform	5.21	83	35733	6.524	ug/l 99
26) Cyclohexane	5.58	56	34342	6.451	ug/l # 86
29) 1,1-Dichloropropene	5.80	75	25960	6.298	ug/l 94
30) 2-Butanone	4.67	43	88130	28.273	ug/l 94
31) 2,2-Dichloropropane	4.59	77	25407	6.171	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	28339	6.417	ug/l # 93
33) Carbon Tetrachloride	5.78	117	24073	6.675	ug/l 88
34) Benzene	6.14	78	81248m	6.473	ug/l
35) Methacrylonitrile	5.04	41	18017	6.338	ug/l 92
36) 1,2-Dichloroethane	6.20	62	31058	6.726	ug/l # 84
37) Trichloroethene	7.21	130	19689	6.661	ug/l 82
38) Methylcyclohexane	7.46	83	33236	6.682	ug/l 88
39) 1,2-Dichloropropane	7.51	63	21492	6.297	ug/l 98
40) Dibromomethane	7.66	93	13918	6.671	ug/l 90

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:36:45 AM

Quant Time: Mar 18 12:07:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 11:50:52 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	26078	6.505	ug/l	98
42) Vinyl Acetate	3.81	43	277588	28.326	ug/l #	94
43) Ethyl Acetate	4.83	43	33750	6.325	ug/l #	85
44) Isopropyl Acetate	6.44	43	49610	6.257	ug/l	100
45) 1,4-Dioxane	7.74	88	9647m	127.805	ug/l	
46) Methyl methacrylate	7.77	41	25398	6.034	ug/l	92
47) n-amyl Acetate	10.90	43	41864	6.094	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	26315	6.184	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	30019	6.276	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	19710	6.565	ug/l	96
51) Ethyl methacrylate	9.18	69	28969	6.041	ug/l	90
52) 1,3-Dichloropropane	9.37	76	35498	6.498	ug/l	98
53) Dibromochloromethane	9.58	129	18133	6.325	ug/l	100
54) 1,2-Dibromoethane	9.67	107	20538	6.387	ug/l	98
55) 2-Chloroethyl vinyl ether	8.30	63	87701	24.508	ug/l	95
56) Bromoform	10.85	173	12994	6.392	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	161843	29.810	ug/l	96
59) 2-Hexanone	9.49	43	128037	28.942	ug/l	95
61) Tetrachloroethene	9.34	164	20004	7.121	ug/l	95
62) Toluene	8.78	91	87179	6.654	ug/l	99
64) Chlorobenzene	10.13	112	51889	6.620	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	17840	6.628	ug/l	98
66) Ethyl Benzene	10.25	91	92089	6.679	ug/l	97
67) m/p-Xylenes	10.35	106	66488	13.044	ug/l	90
68) o-Xylene	10.69	106	32576	6.623	ug/l	90
69) Styrene	10.71	104	51546	6.454	ug/l	95
70) Isopropylbenzene	11.02	105	88008	6.632	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	32162	6.646	ug/l	96
72) 1,2,3-Trichloropropane	11.29	75	27429m	6.475	ug/l	
73) Bromobenzene	11.26	156	21452	6.852	ug/l	80
74) n-propylbenzene	11.36	91	104513	6.754	ug/l	95
75) 2-Chlorotoluene	11.42	91	63652	6.845	ug/l	91
76) 1,3,5-Trimethylbenzene	11.51	105	72603	6.625	ug/l	97
77) t-1,4-Dichloro-2-butene	11.07	75	7888	5.700	ug/l	97
78) 4-Chlorotoluene	11.51	91	70559	6.698	ug/l	92
79) tert-butylbenzene	12.06	119	72842	6.641	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	73114	6.632	ug/l	95
81) sec-Butylbenzene	11.94	105	87054	6.698	ug/l	97
82) p-Isopropyltoluene	12.06	119	72842	6.641	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	37758	6.696	ug/l	94
84) 1,4-Dichlorobenzene	12.10	146	37754	6.905	ug/l	95
85) n-Butylbenzene	12.38	91	66051	6.643	ug/l	97
86) Hexachloroethane	12.60	117	12012	6.479	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	38459	6.859	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	6155	6.087	ug/l #	75
89) 1,2,4-Trichlorobenzene	13.65	180	22908	6.533	ug/l	96
90) Hexachlorobutadiene	13.78	225	12896	7.141	ug/l	95
91) Naphthalene	13.83	128	70713	6.142	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	23547	6.709	ug/l	99

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Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Time: Mar 18 12:07:13 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 11:50:52 2019
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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

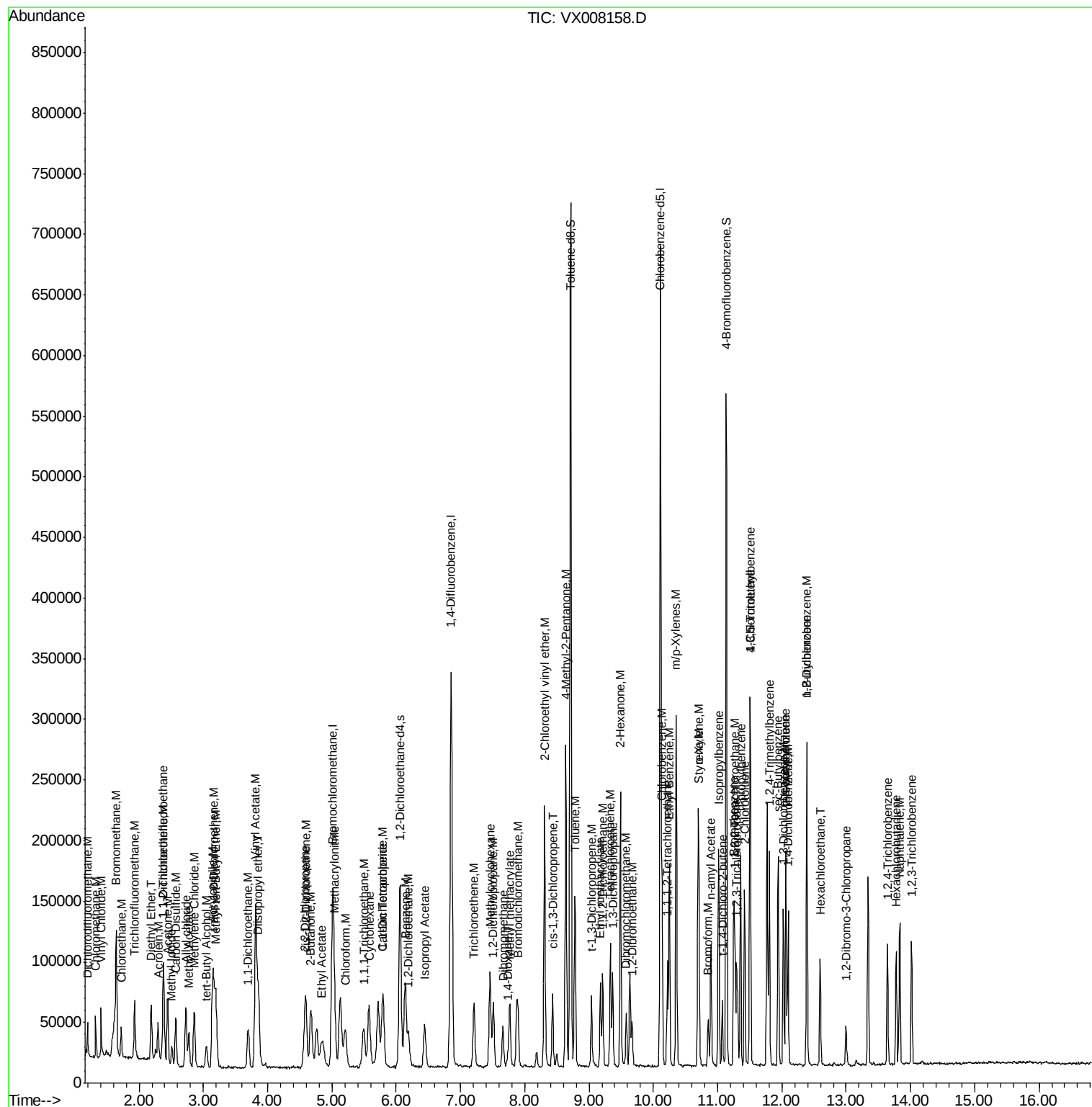
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Data File : VX008158.D
Acq On : 18 Mar 2019 10:27
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

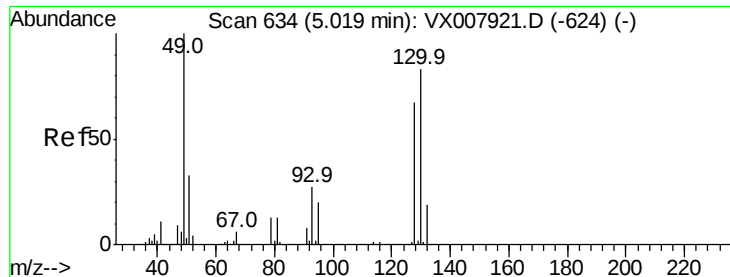
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

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3/19/2019 9:36:45 AM

Quant Time: Mar 18 12:07:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 11:50:52 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

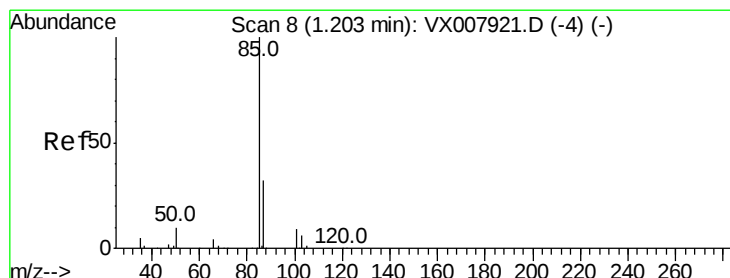
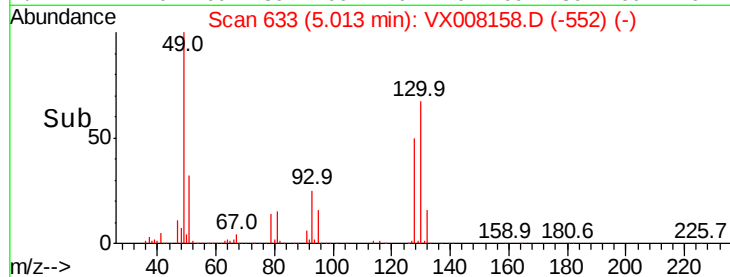
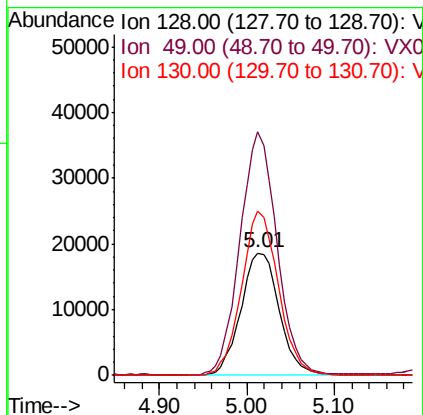
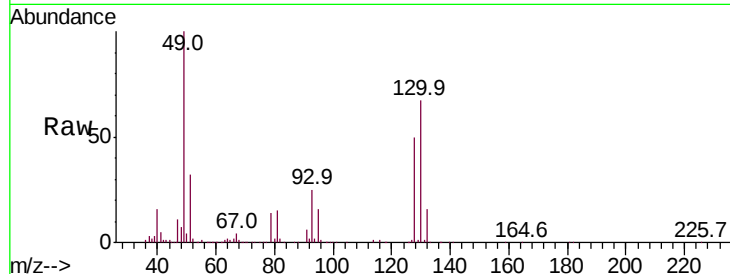
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	56883
Ion	Ratio	Lower	Upper
128	100		
49	191.0	0.0	350.8
130	128.4	0.0	325.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 6.820 ug/l

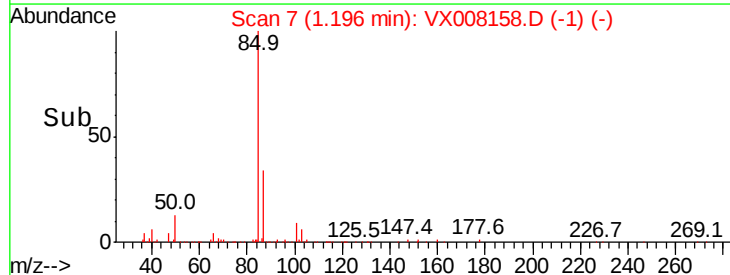
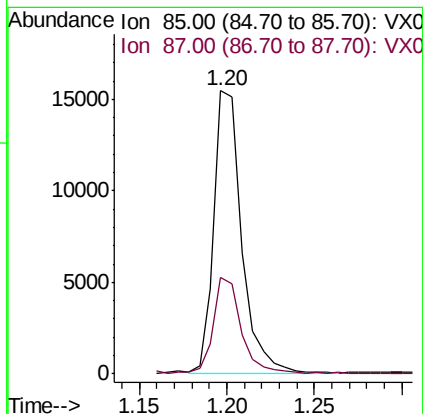
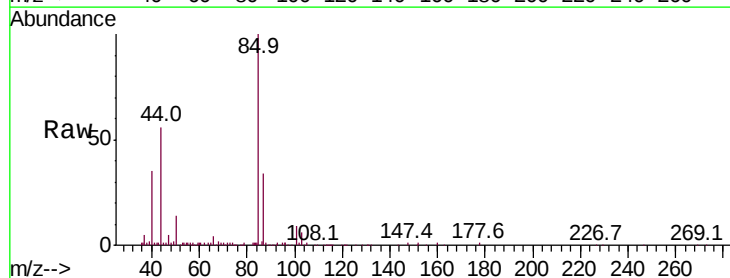
RT: 1.20 min Scan# 7

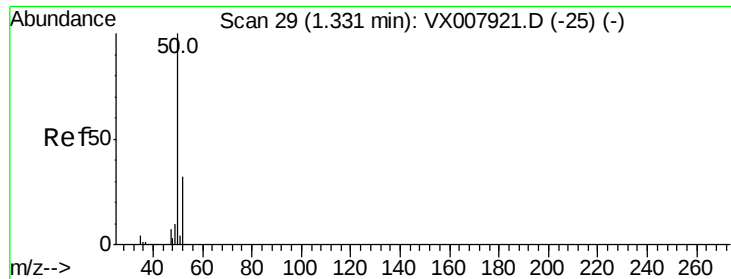
Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tgt Ion:	85	Resp:	16939
Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.6	49.8





#3

Chloromethane

Concen: 7.898 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24262

Ion Ratio Lower Upper

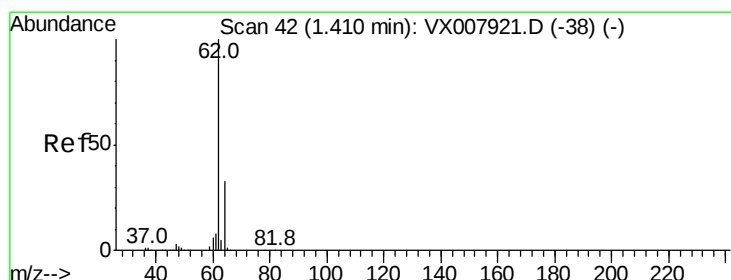
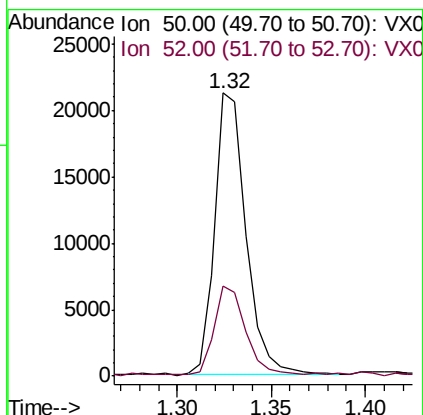
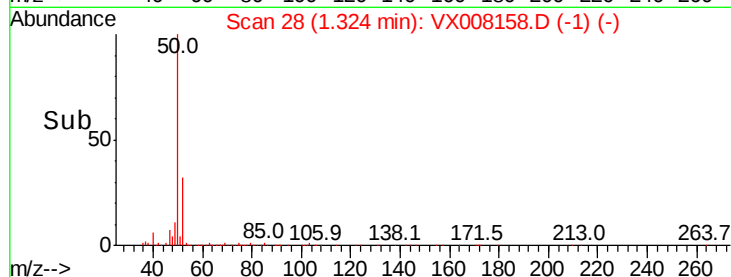
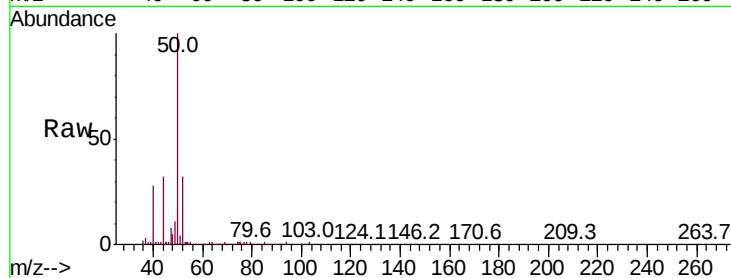
50 100

52 31.3 27.5 41.3

Manual Integrations
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3/19/2019 9:36:45 AM



#4

Vinyl Chloride

Concen: 7.825 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008158.D

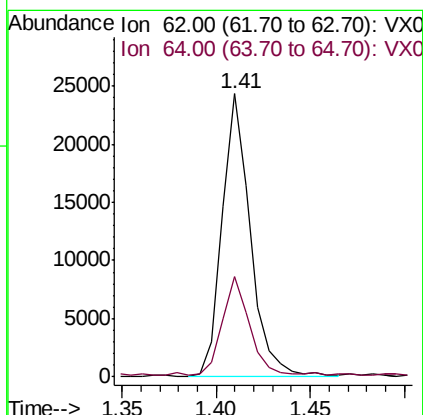
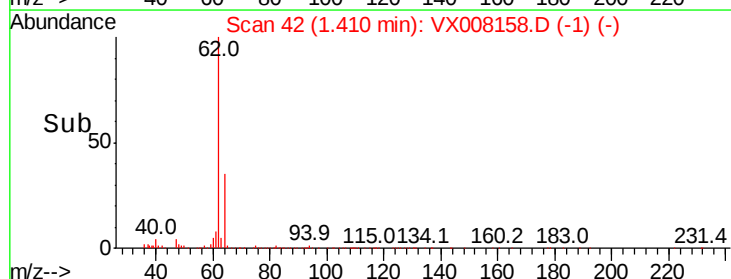
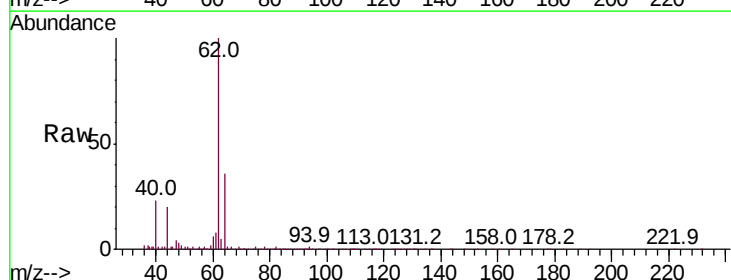
Acq: 18 Mar 2019 10:27

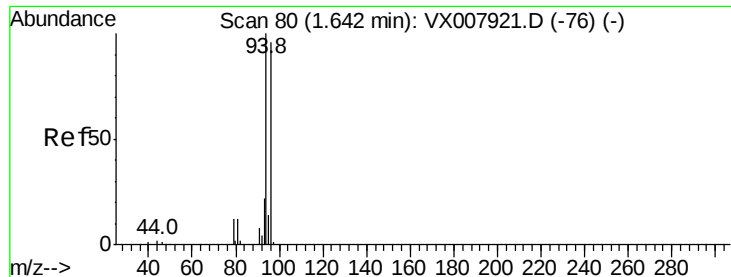
Tgt Ion: 62 Resp: 24900

Ion Ratio Lower Upper

62 100

64 34.6 25.9 38.9





#5

Bromomethane

Concen: 10.788 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 22697

Ion Ratio Lower Upper

94 100

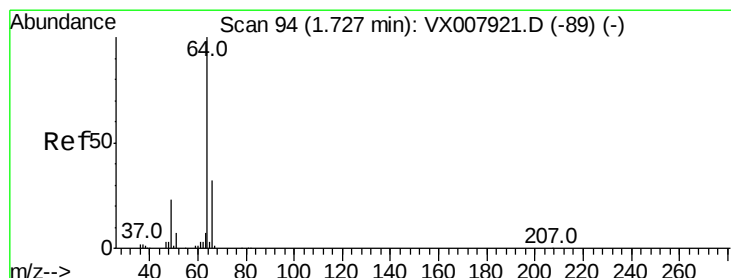
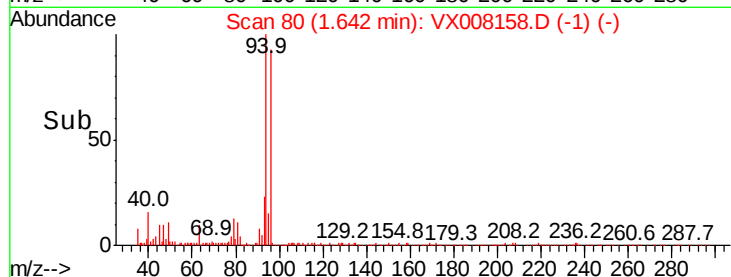
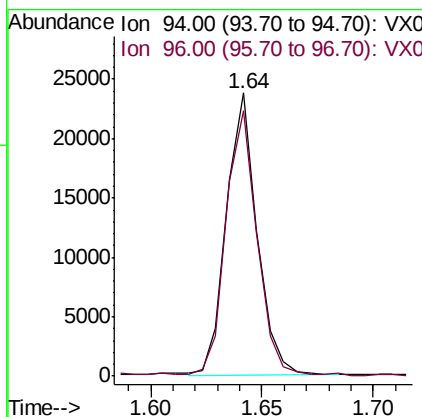
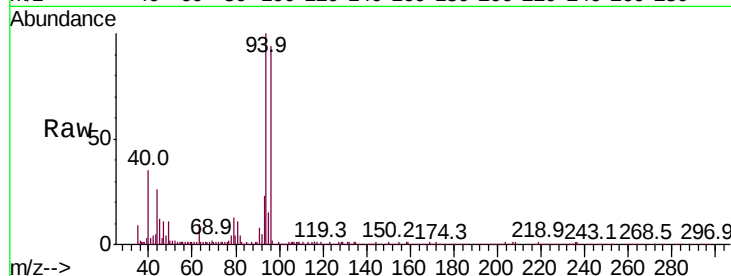
96 93.3 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 8.608 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX008158.D

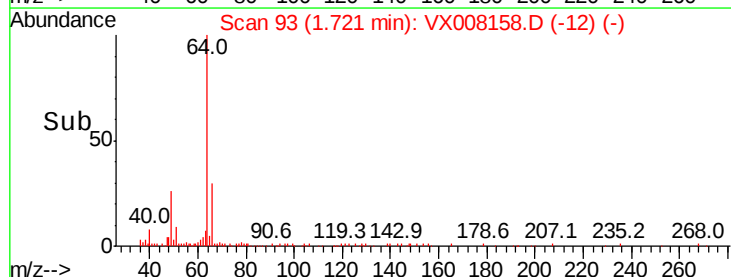
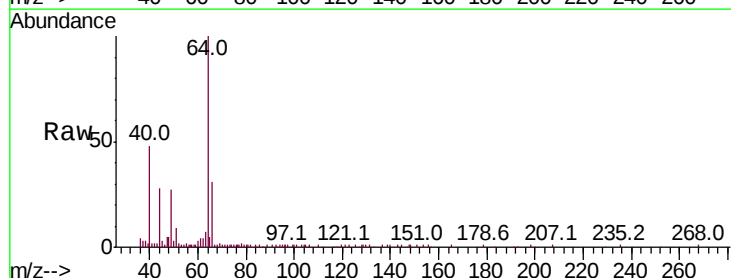
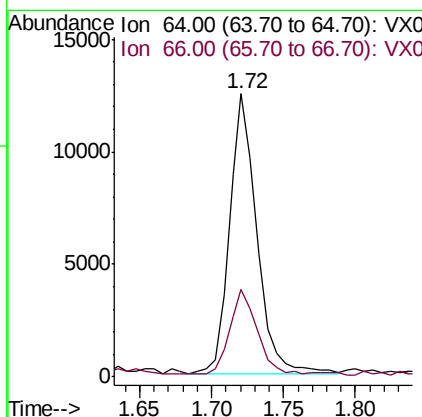
Acq: 18 Mar 2019 10:27

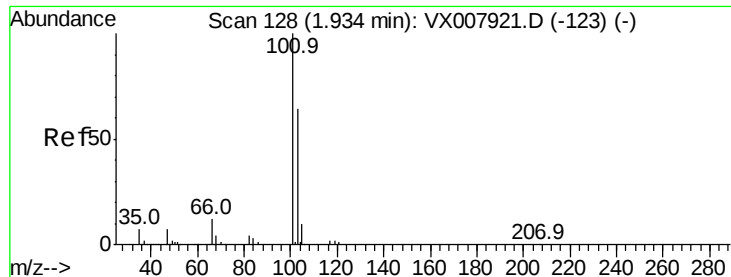
Tgt Ion: 64 Resp: 16503

Ion Ratio Lower Upper

64 100

66 30.5 23.9 35.9





#7

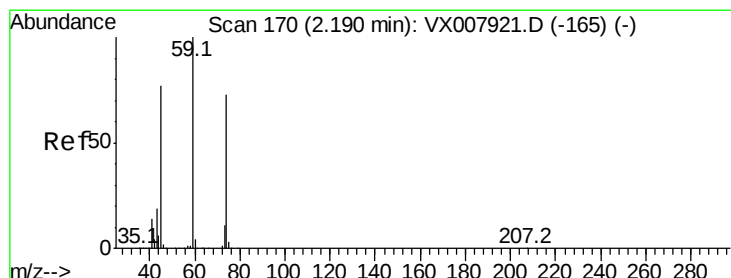
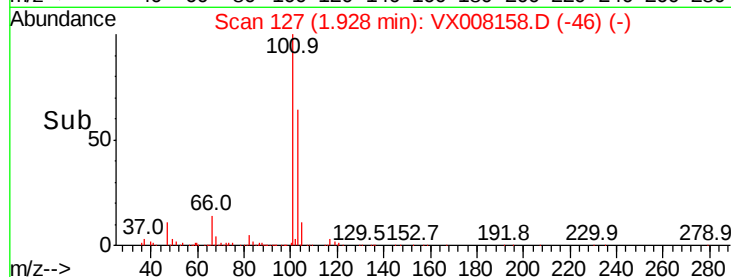
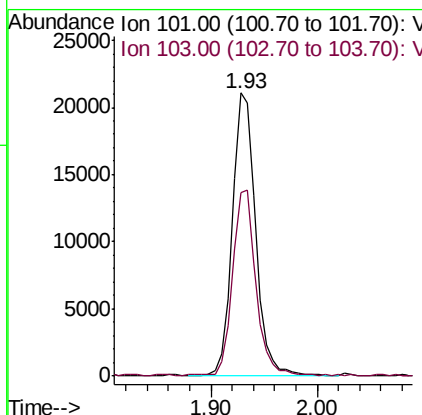
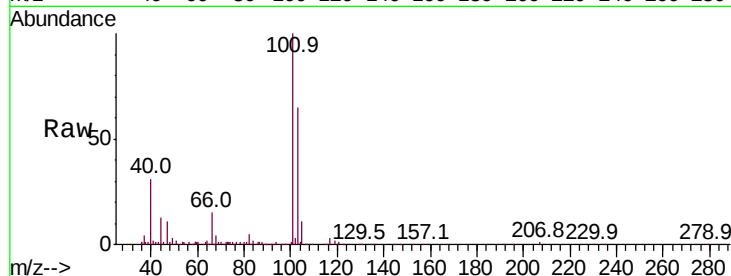
Trichlorofluoromethane
Concen: 8.298 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.4	75.6

Manual Integrations
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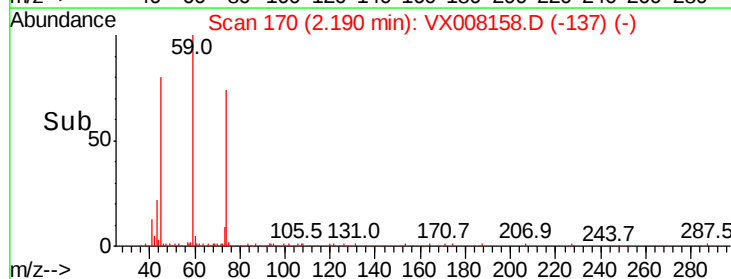
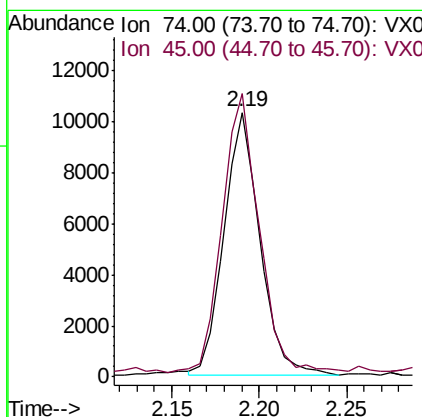
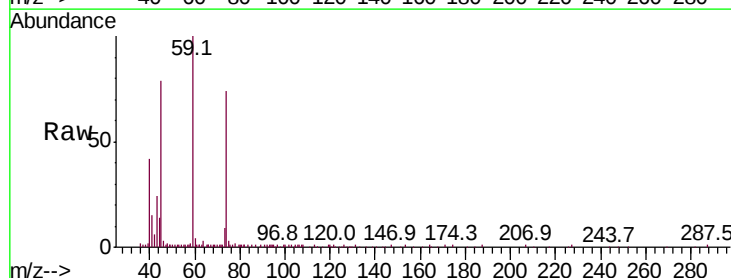
MMDadoda
3/19/2019 9:36:45 AM

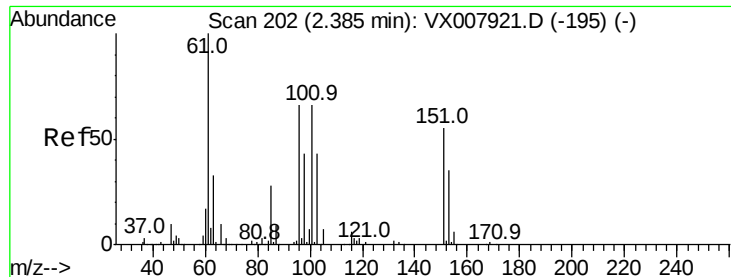


#8

Diethyl Ether
Concen: 6.569 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.789 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

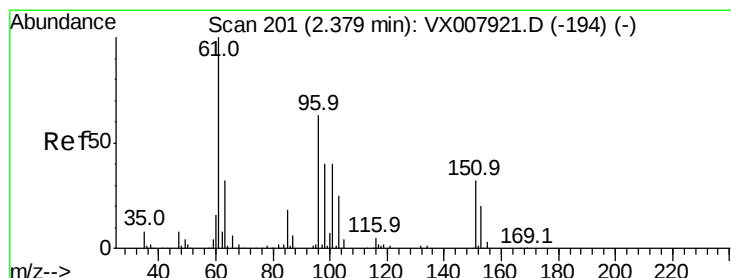
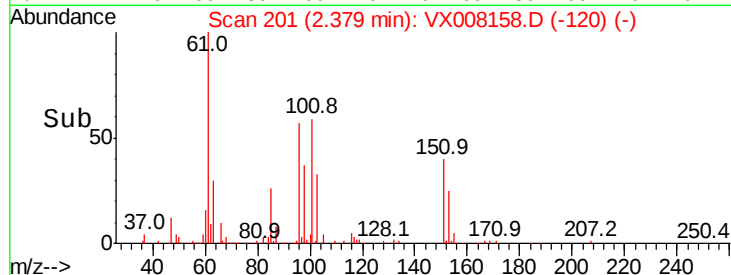
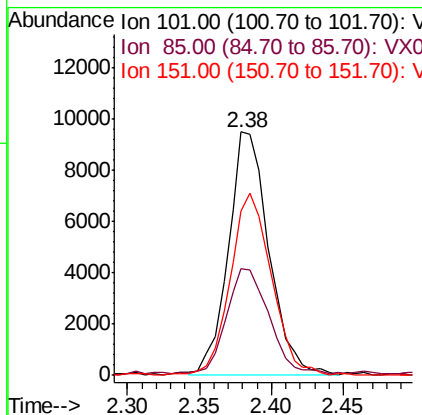
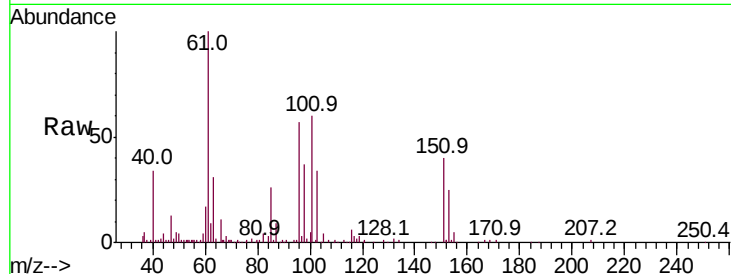
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	18756
Ion Ratio	Lower	Upper	
101	100		
85	46.9	0.0	86.8
151	75.7	0.0	169.2

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#10

1,1-Dichloroethene

Concen: 6.324 ug/l m

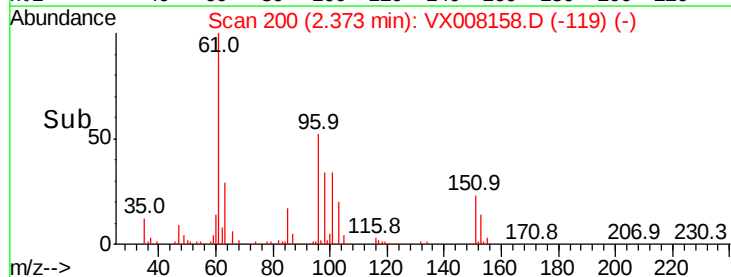
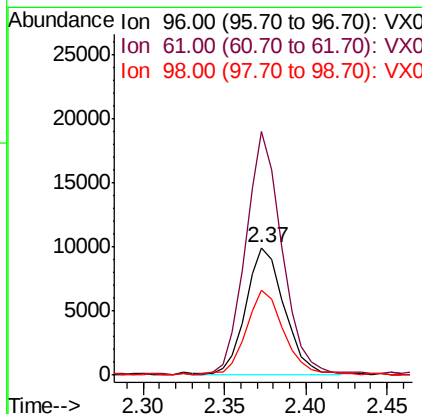
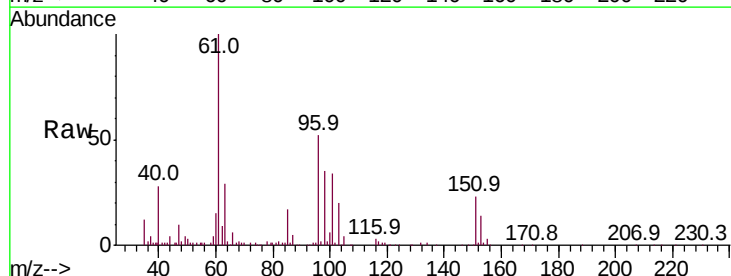
RT: 2.37 min Scan# 200

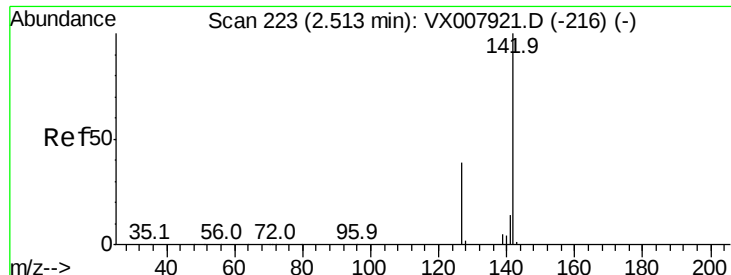
Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tgt Ion:	96	Resp:	16550
Ion Ratio	Lower	Upper	
96	100		
61	191.0	120.2	180.2#
98	66.6	49.0	73.4





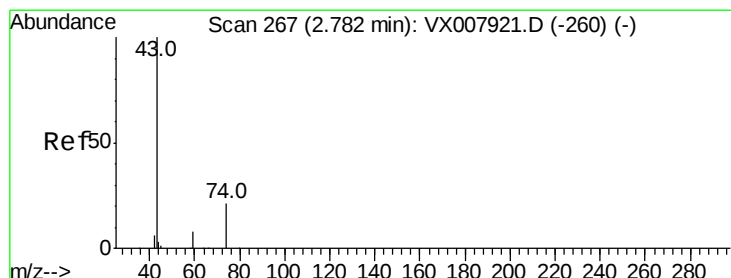
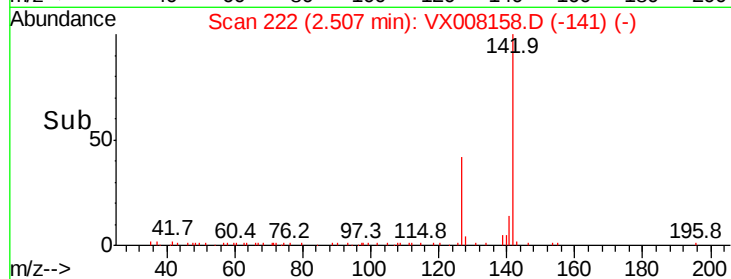
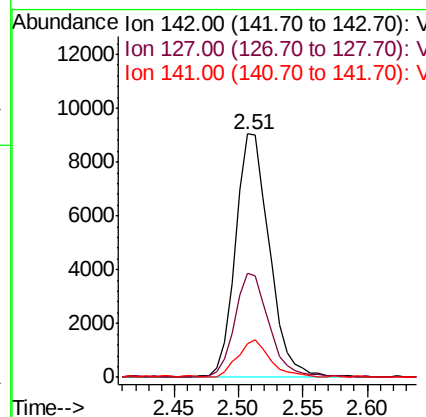
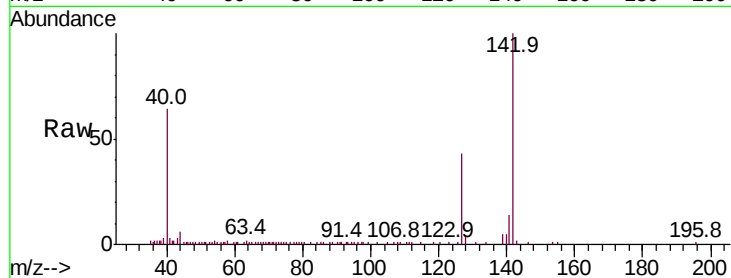
#11
Methyl Iodide
Concen: 5.378 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.8	22.1	66.5
141	13.6	7.4	22.3

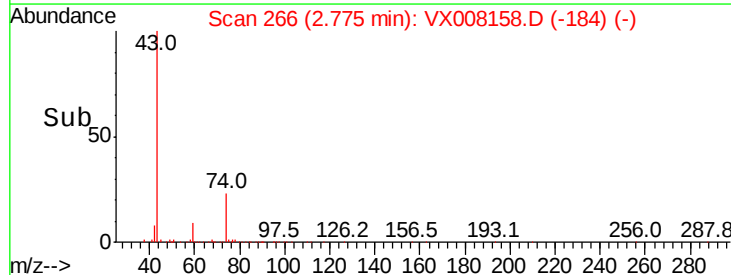
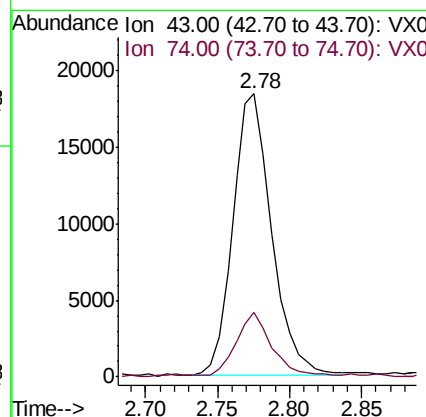
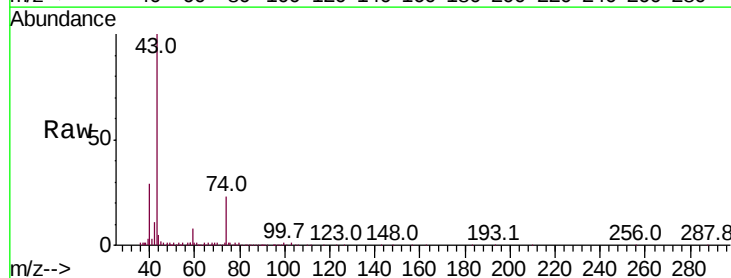
Manual Integrations
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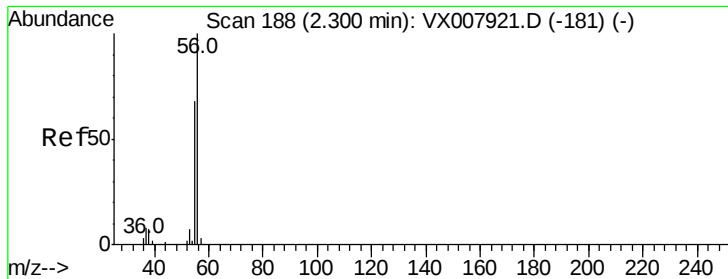
MMDadoda
3/19/2019 9:36:45 AM



#12
Methyl Acetate
Concen: 7.855 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.4	29.0





#13

Acrolein

Concen: 36.326 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 22362

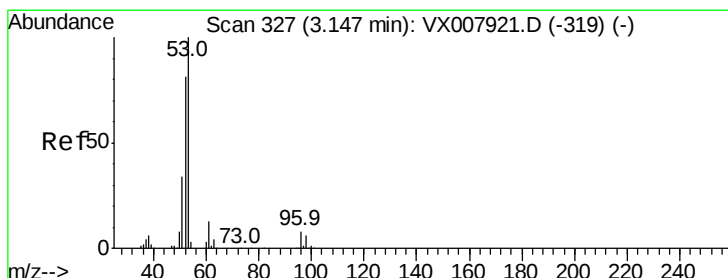
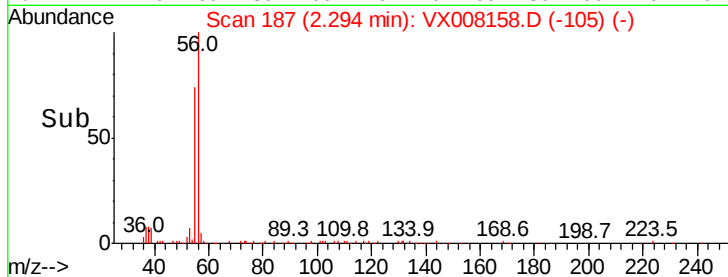
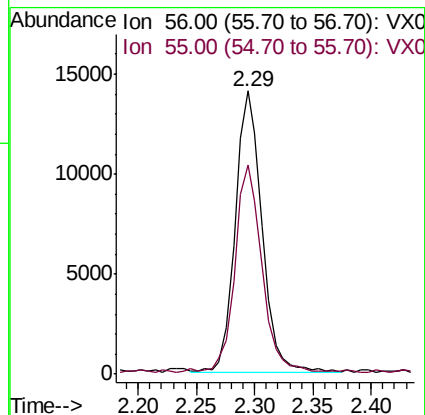
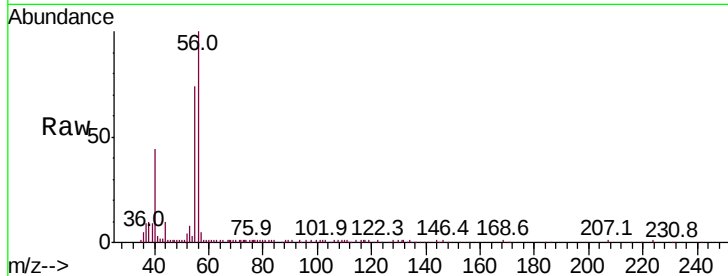
Ion Ratio Lower Upper

56 100

55 73.8 58.6 87.8

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#14

Acrylonitrile

Concen: 31.743 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

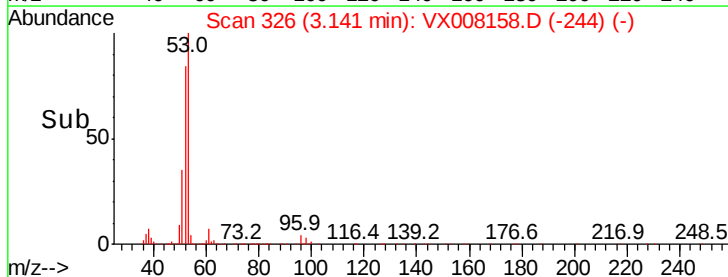
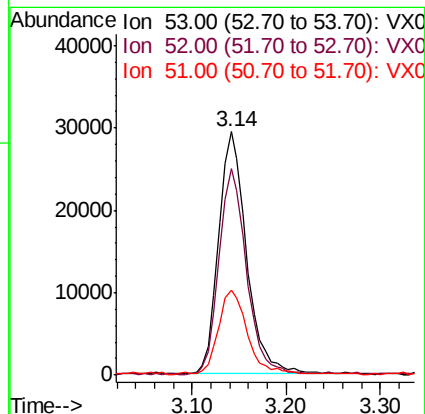
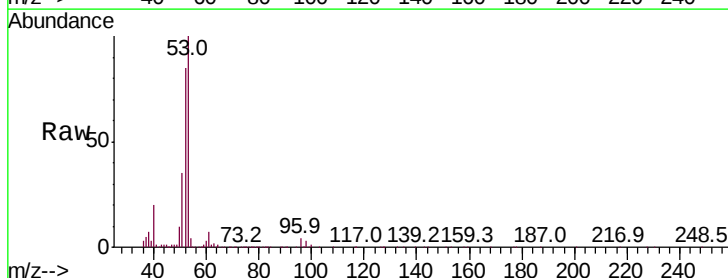
Tgt Ion: 53 Resp: 60654

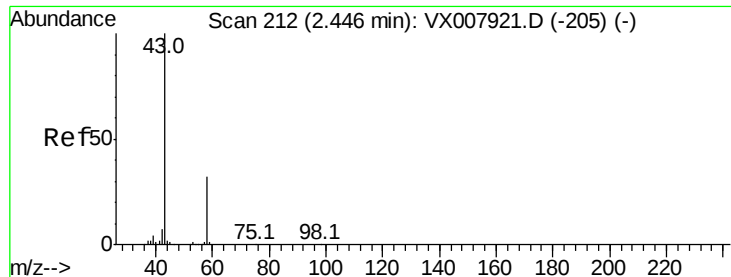
Ion Ratio Lower Upper

53 100

52 83.9 41.3 124.1

51 36.3 17.5 52.6





#15

Acetone

Concen: 28.425 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 19159

Ion Ratio Lower Upper

58 100

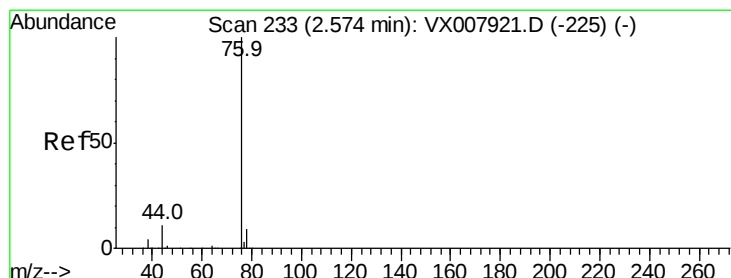
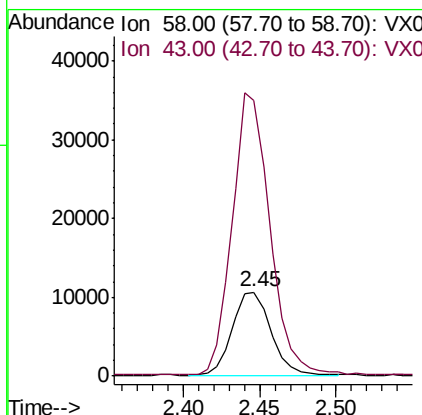
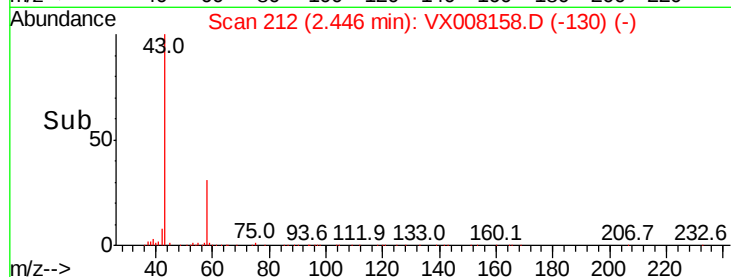
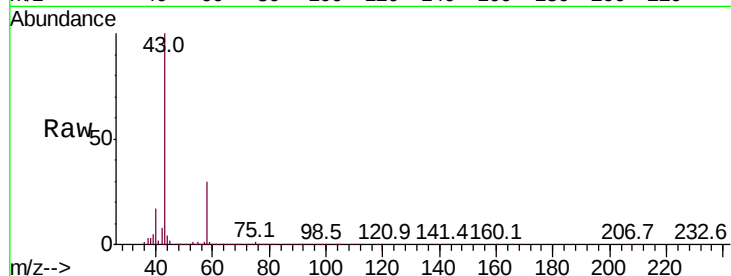
43 329.3 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 6.162 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008158.D

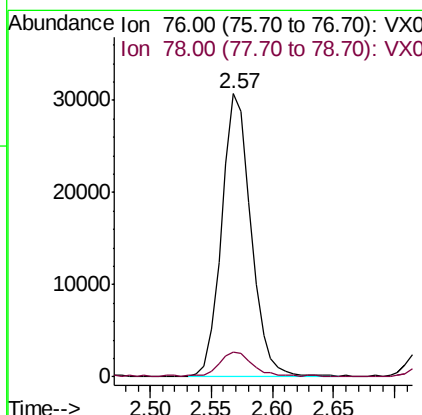
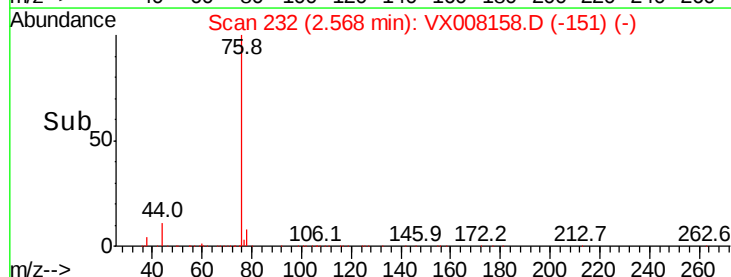
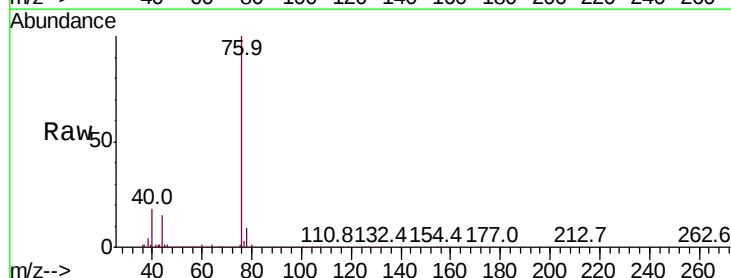
Acq: 18 Mar 2019 10:27

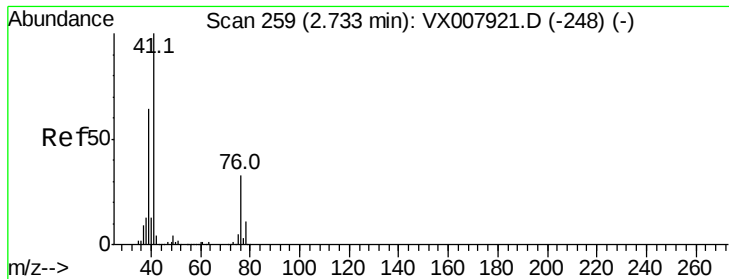
Tgt Ion: 76 Resp: 50811

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3





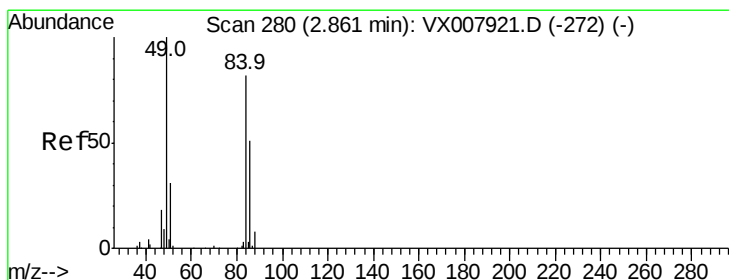
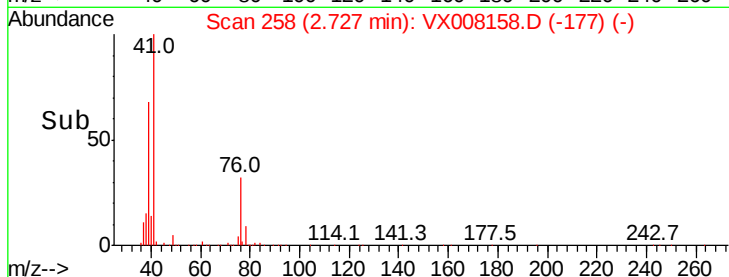
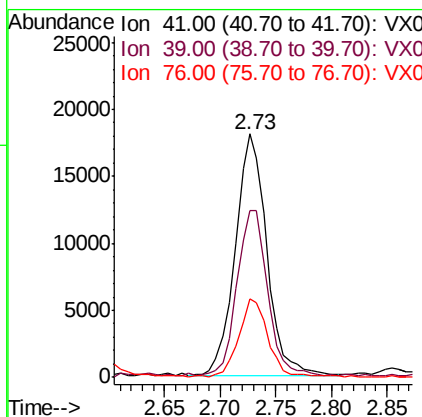
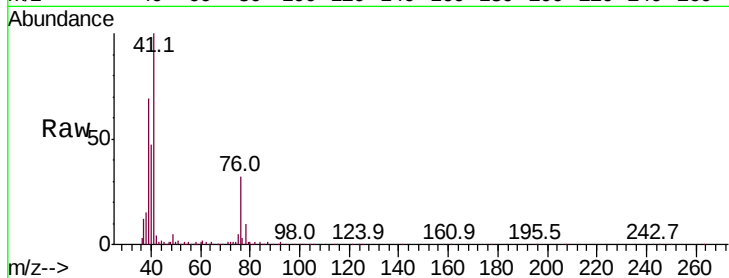
#17
Allvl chloride
Concen: 6.335 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	35108
Ion	Ratio	Lower	Upper
41	100		
39	68.3	35.8	107.4
76	31.9	18.3	54.9

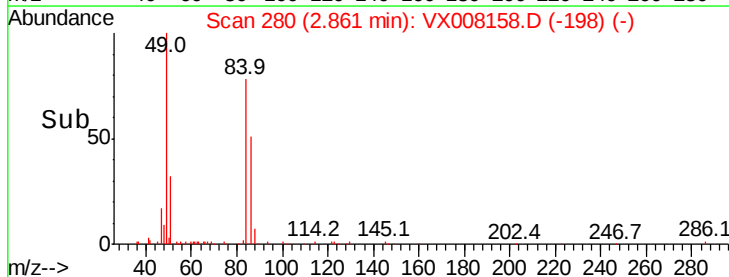
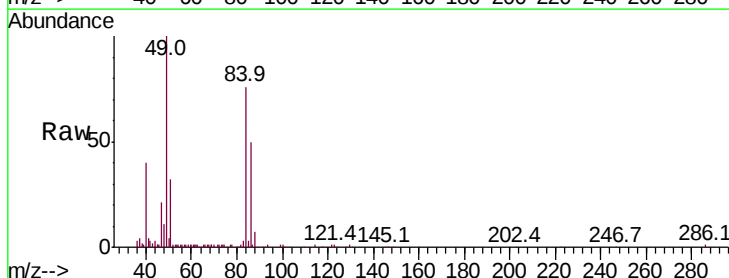
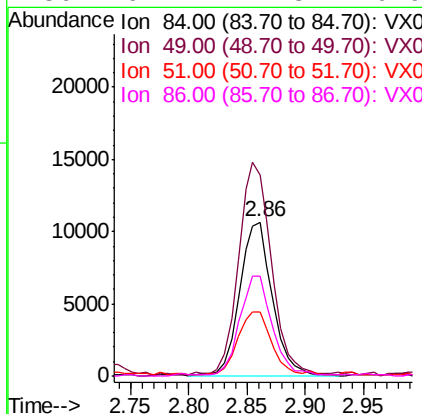
Manual Integrations
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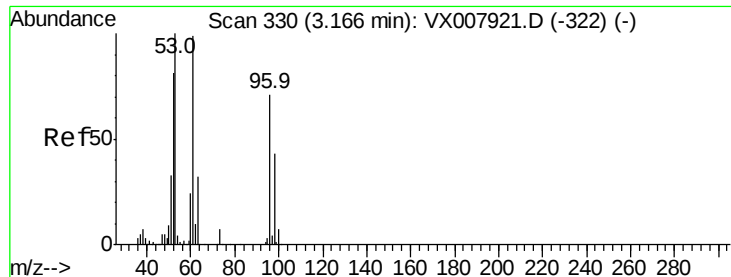
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#18
Methylene Chloride
Concen: 6.800 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion:	84	Resp:	20929
Ion	Ratio	Lower	Upper
84	100		
49	129.6	96.1	144.1
51	40.2	29.1	43.7
86	64.2	47.3	70.9





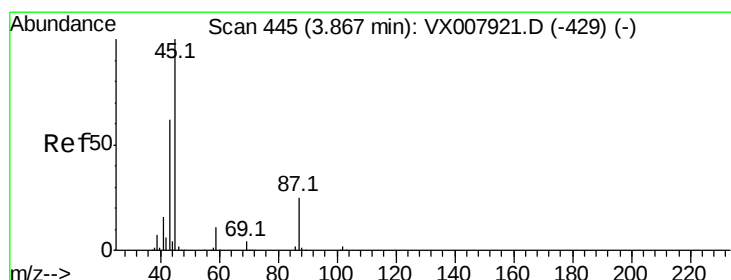
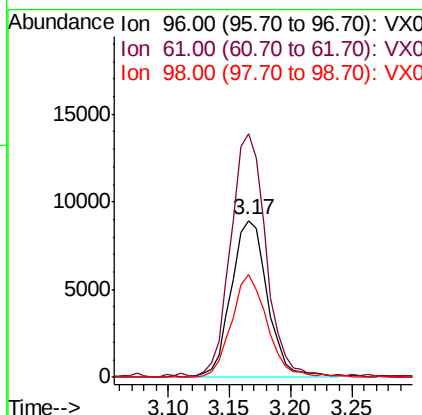
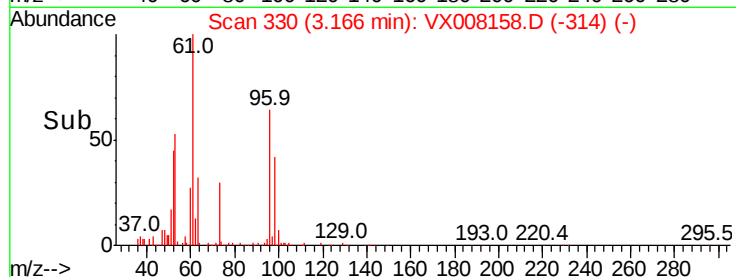
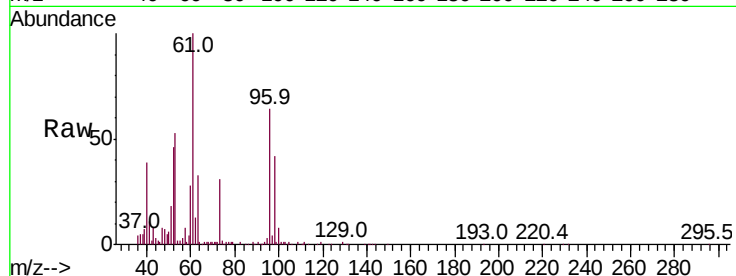
#19
trans-1,2-Dichloroethene
Concen: 6.558 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	109.9	164.9
98	65.6	50.4	75.6

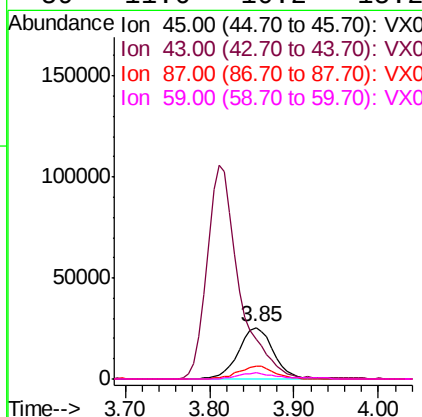
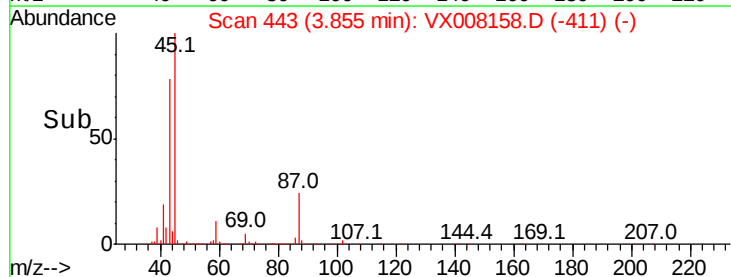
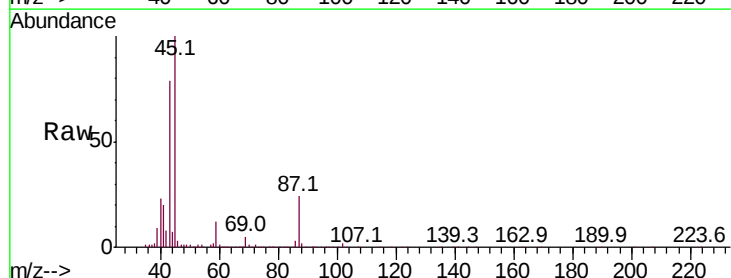
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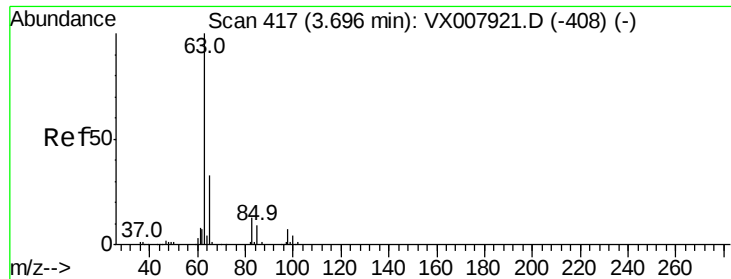
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#20
Diisopropyl ether
Concen: 6.333 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.8	50.6	76.0#
87	24.5	24.5	36.7
59	11.6	10.2	15.2





#21

1,1-Dichloroethane

Concen: 6.470 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

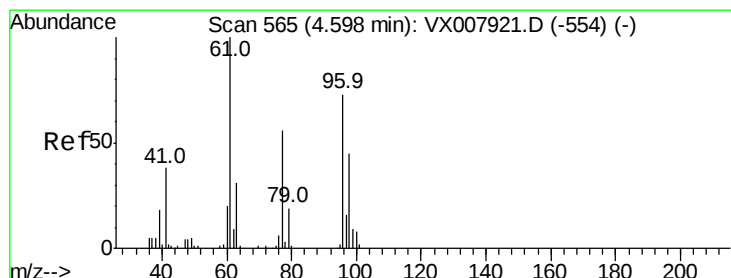
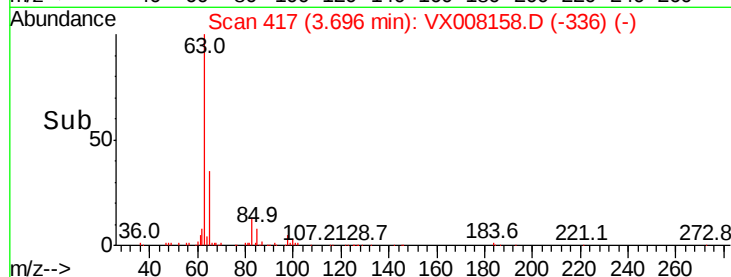
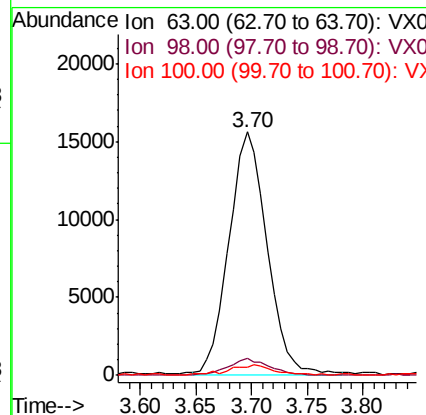
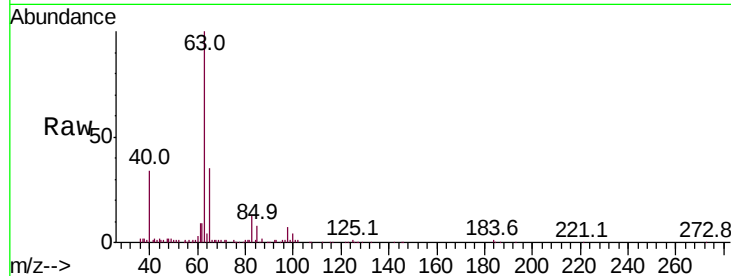
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	37067
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.8	11.4
100	3.0	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 6.616 ug/l

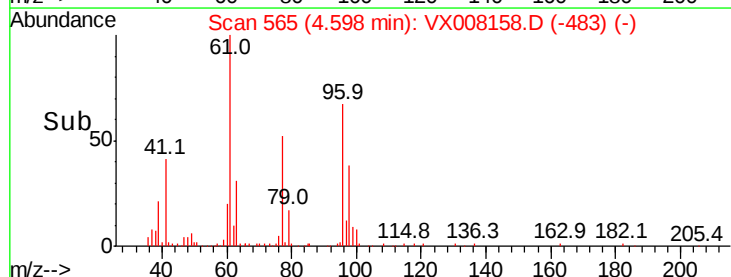
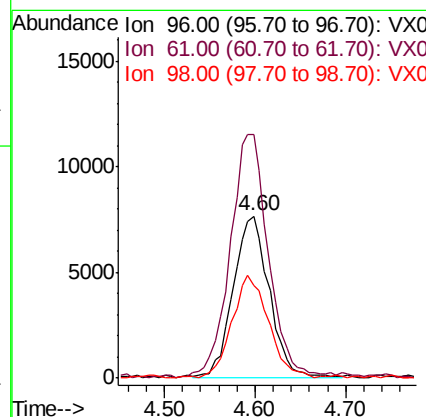
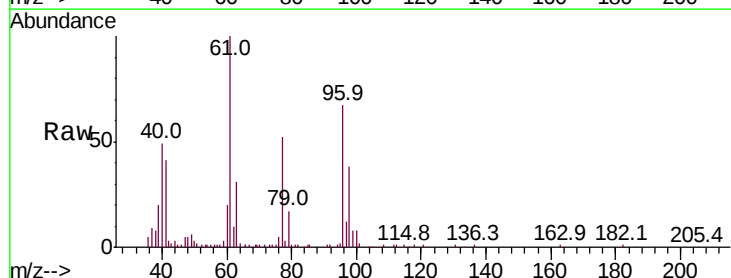
RT: 4.60 min Scan# 565

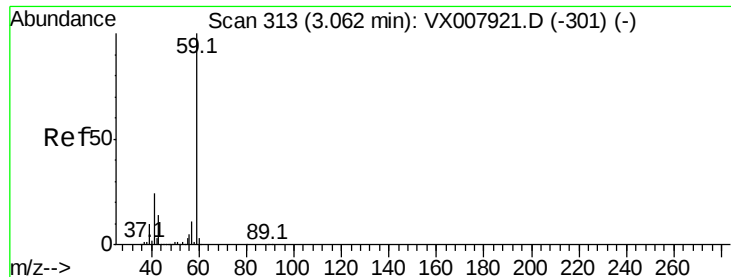
Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tgt Ion:	96	Resp:	21234
Ion Ratio	Lower	Upper	
96	100		
61	159.1	103.5	155.3#
98	64.2	52.1	78.1





#23

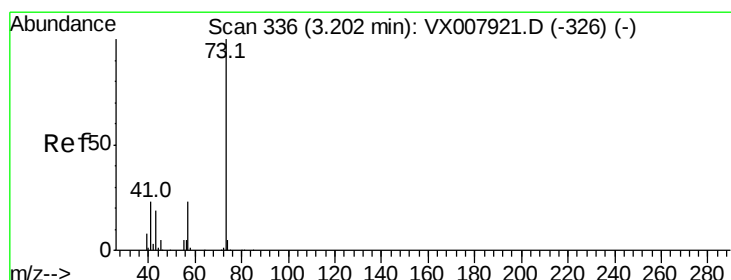
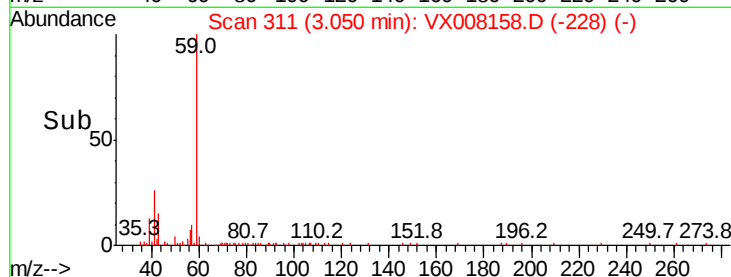
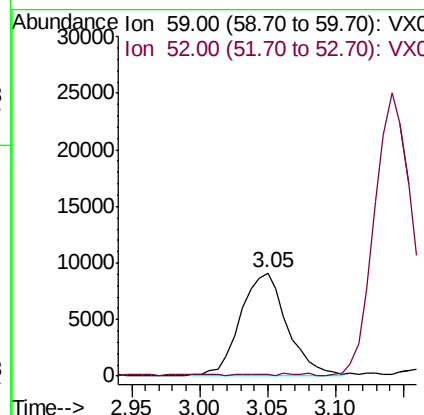
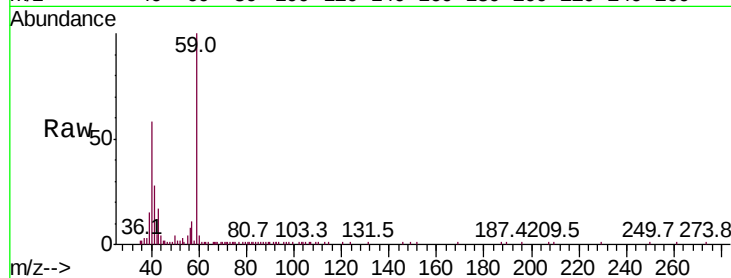
tert-Butyl Alcohol
 Concen: 30.263 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		21345		
52	0.1		0.2	0.2	0.2

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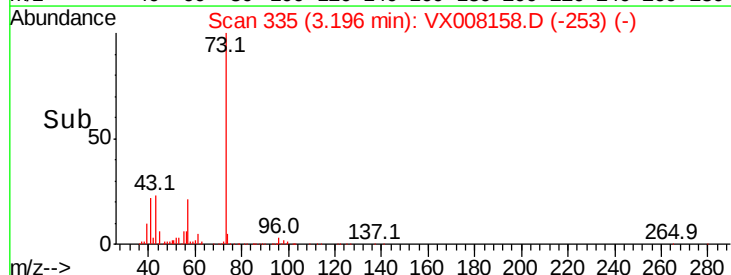
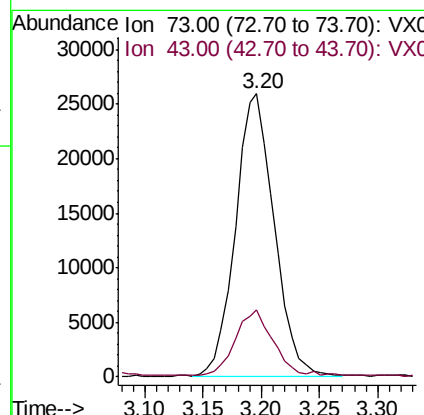
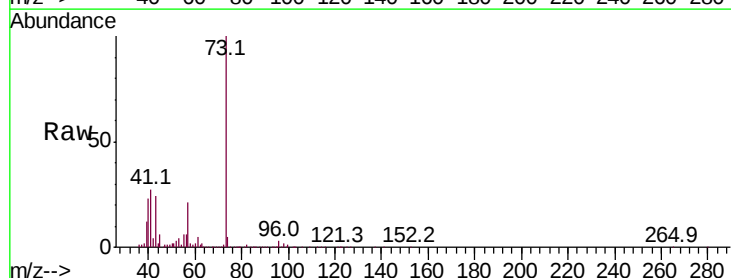
MMDadoda
 3/19/2019 9:36:45 AM

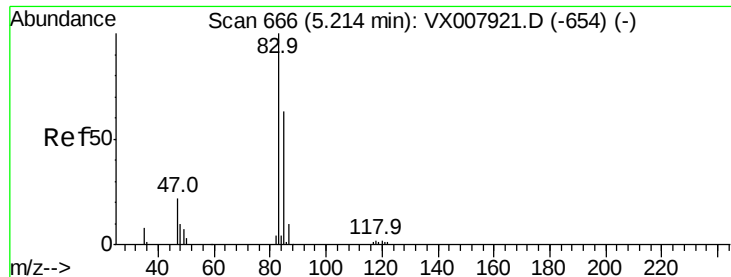


#24

Methyl tert-Butyl Ether
 Concen: 6.321 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		59759		
43	23.2		17.1	25.7	





#25

Chloroform

Concen: 6.524 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 83 Resp: 35733

Ion Ratio Lower Upper

83 100

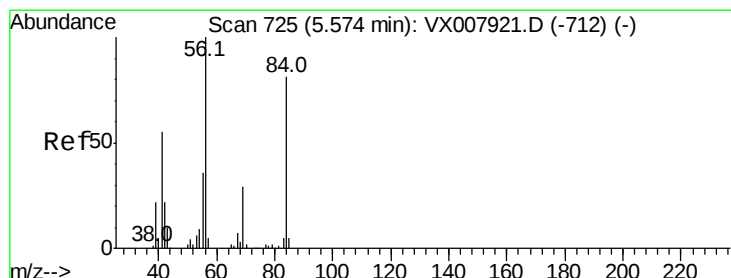
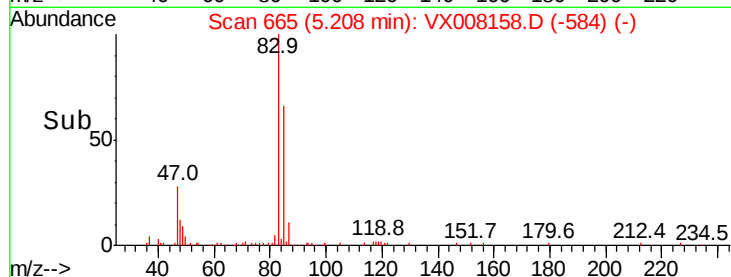
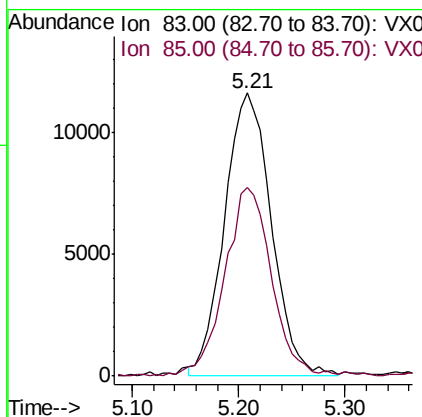
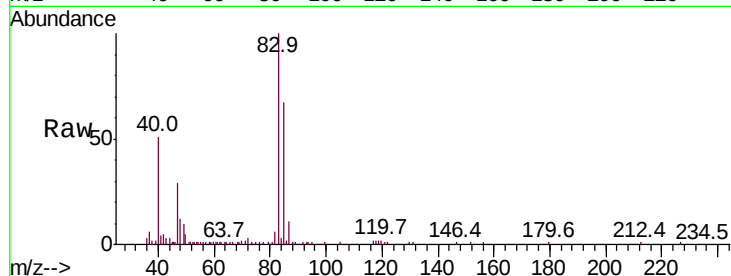
85 66.6 53.8 80.6

Manual Integrations

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#26

Cyclohexane

Concen: 6.451 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

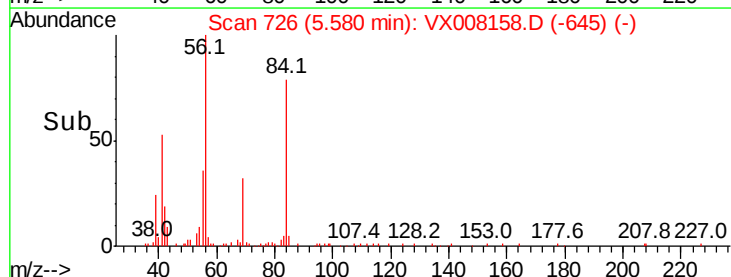
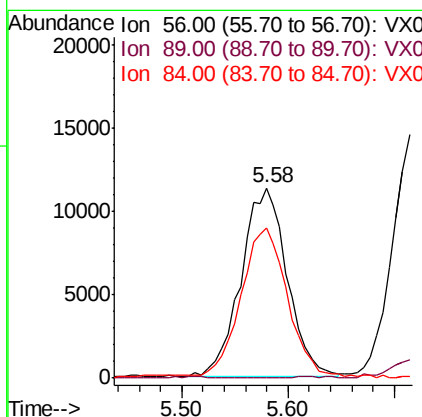
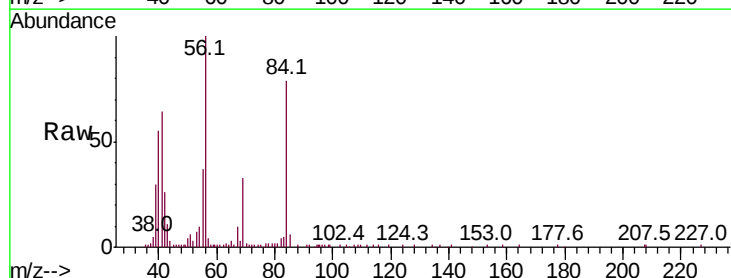
Tgt Ion: 56 Resp: 34342

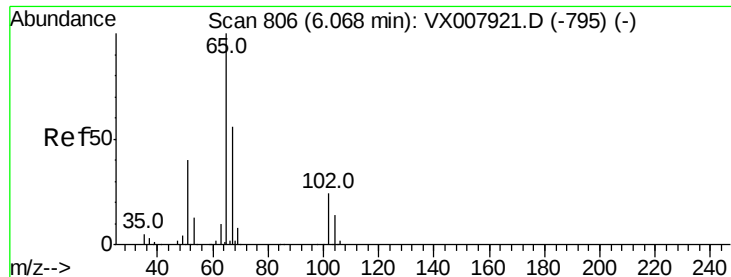
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 78.7 73.9 110.9





#27

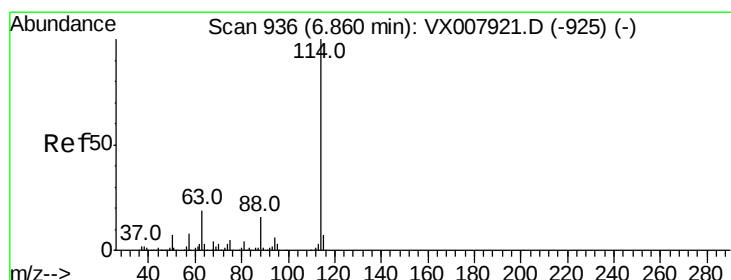
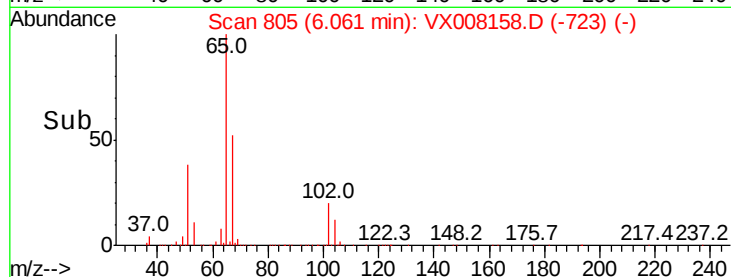
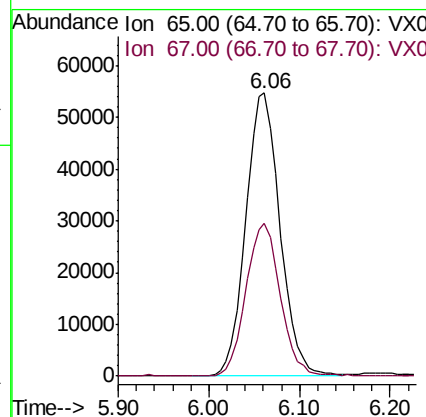
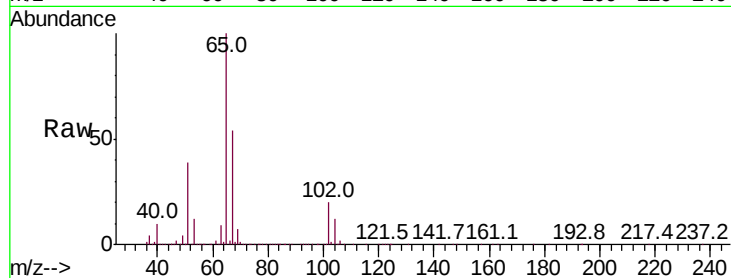
1,2-Dichloroethane-d4
Concen: 29.305 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	42.9	64.3

Manual Integrations
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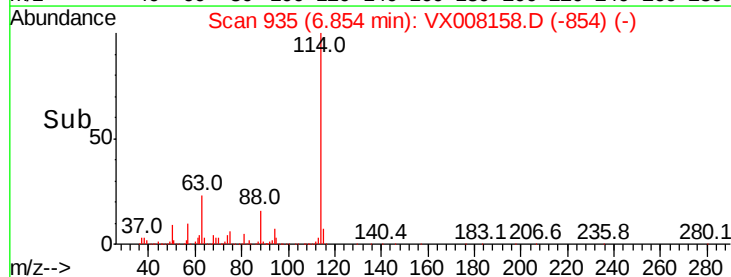
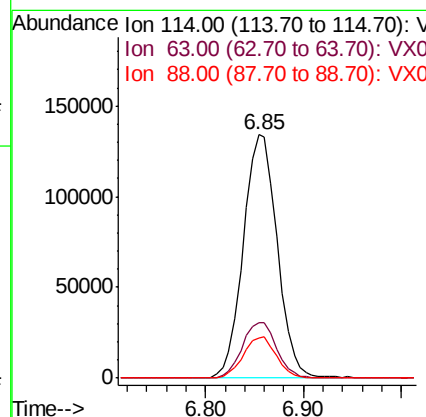
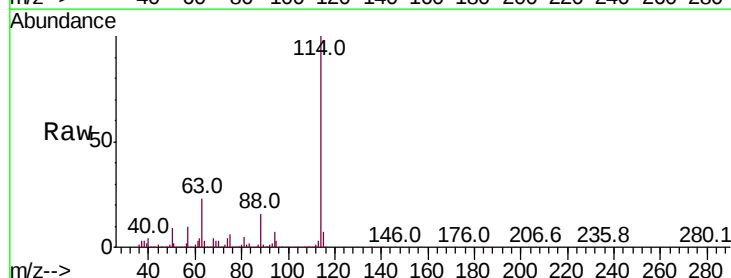
MMDadoda
3/19/2019 9:36:45 AM

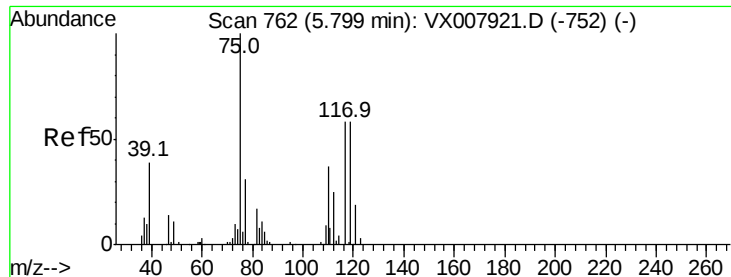


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	14.2	21.4#
88	16.6	11.9	17.9





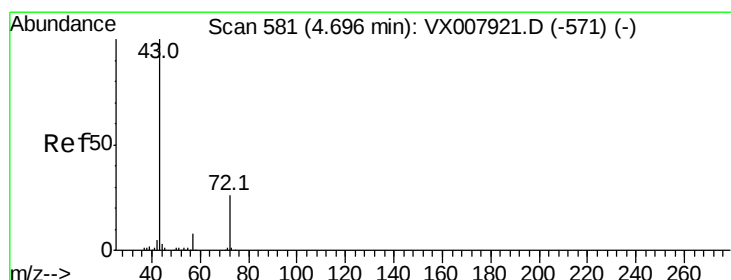
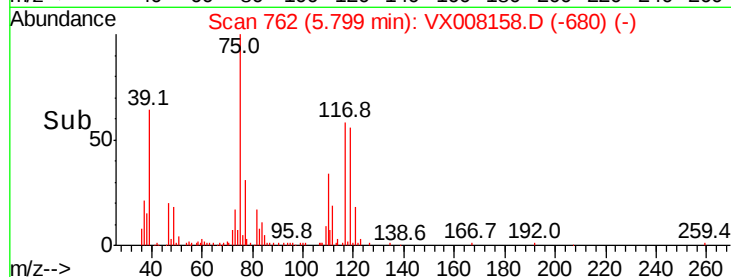
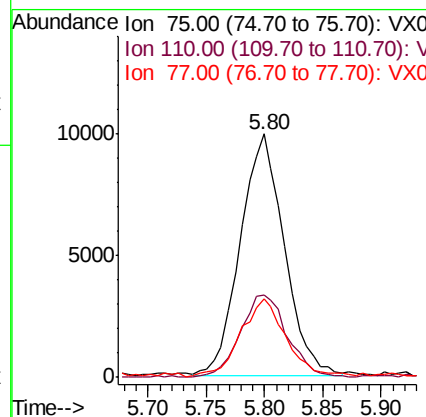
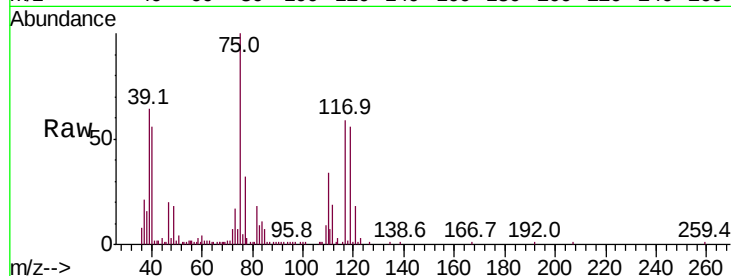
#29
 1,1-Dichloropropene
 Concen: 6.298 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	0.0	80.8	
77	34.4	0.0	62.4	

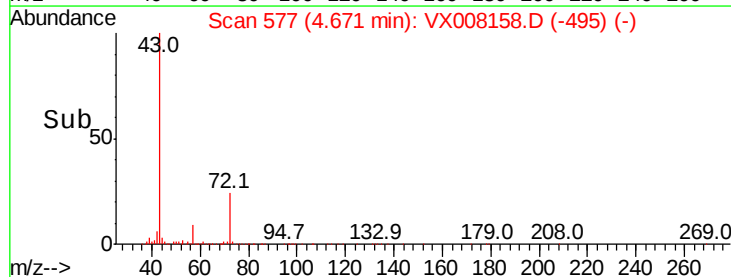
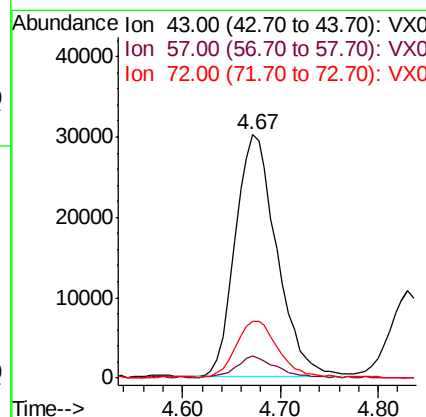
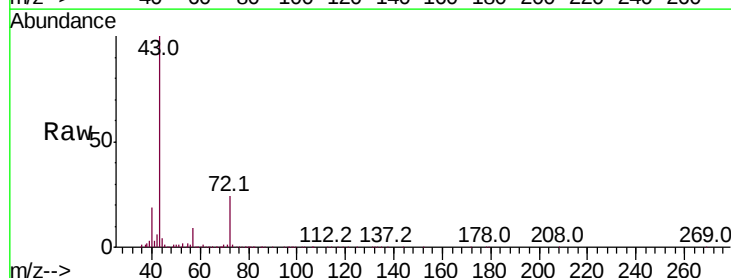
Manual Integrations
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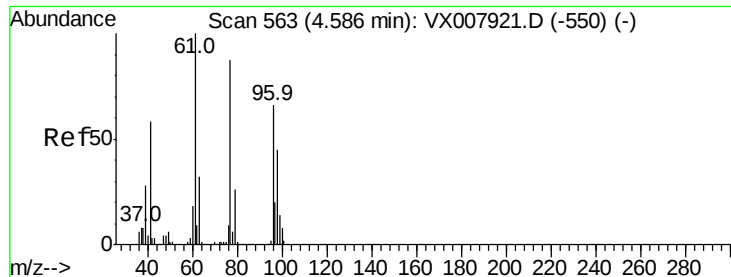
MMDadoda
 3/19/2019 9:36:45 AM



#30
 2-Butanone
 Concen: 28.273 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.4	7.0	10.6	
72	23.1	21.5	32.3	





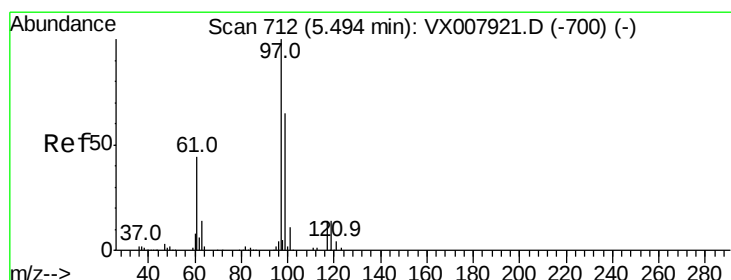
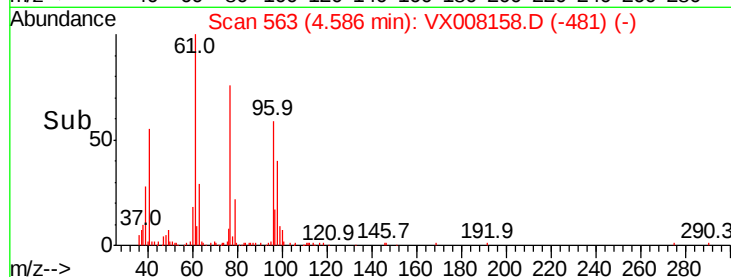
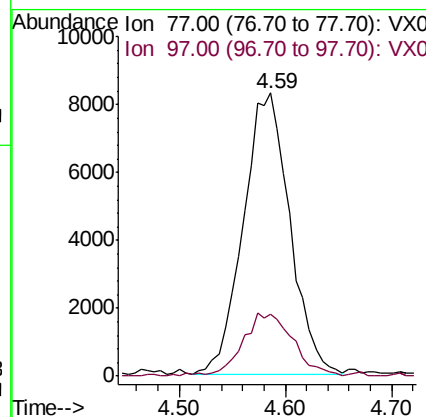
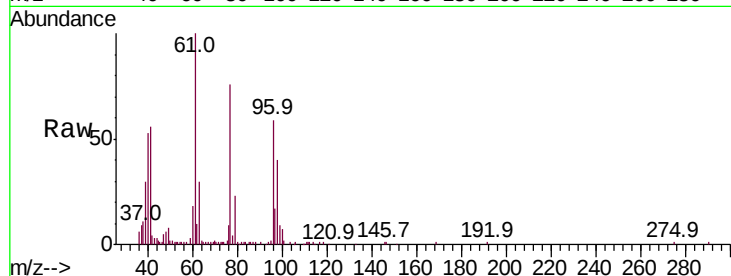
#31
 2,2-Dichloropropane
 Concen: 6.171 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 25407
 Ion Ratio Lower Upper
 77 100
 97 24.2 20.6 31.0

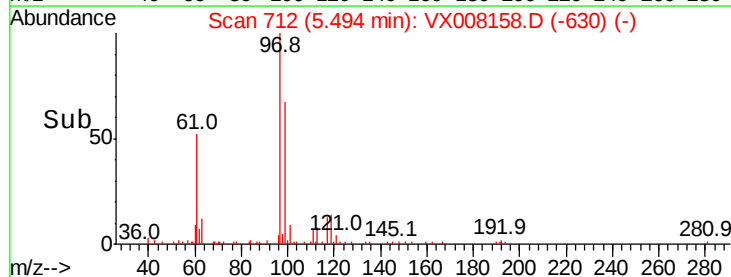
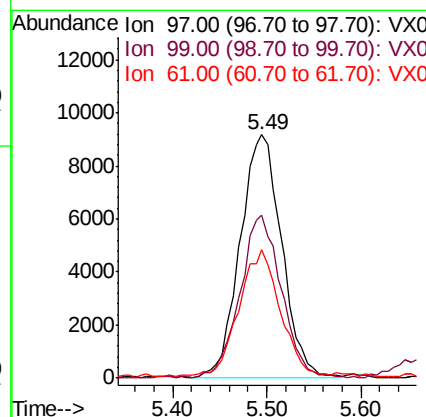
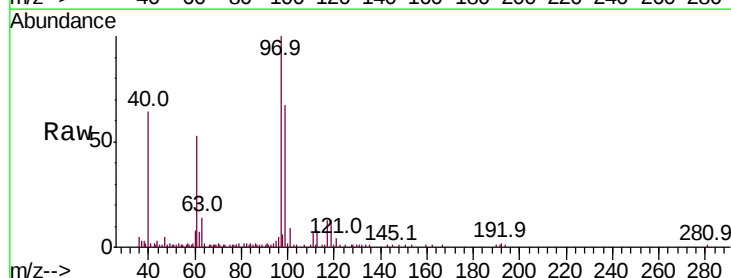
Manual Integrations
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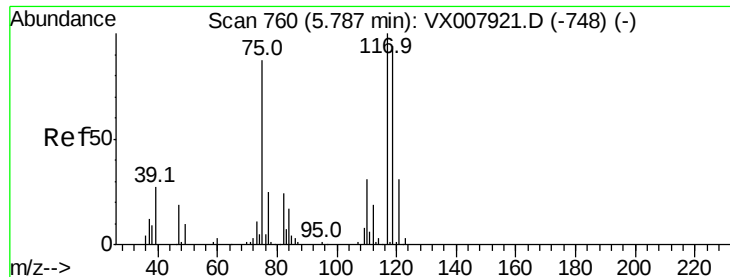
MMDadoda
 3/19/2019 9:36:45 AM



#32
 1,1,1-Trichloroethane
 Concen: 6.417 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Tgt Ion: 97 Resp: 28339
 Ion Ratio Lower Upper
 97 100
 99 66.3 51.7 77.5
 61 50.4 32.8 49.2#





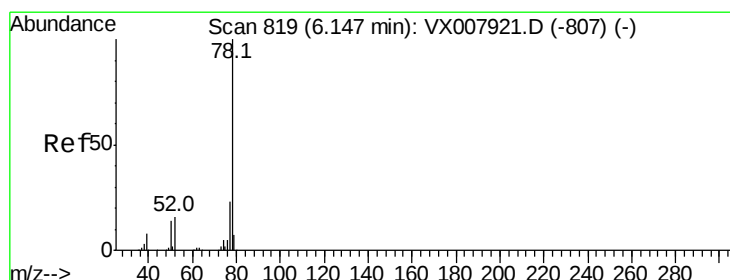
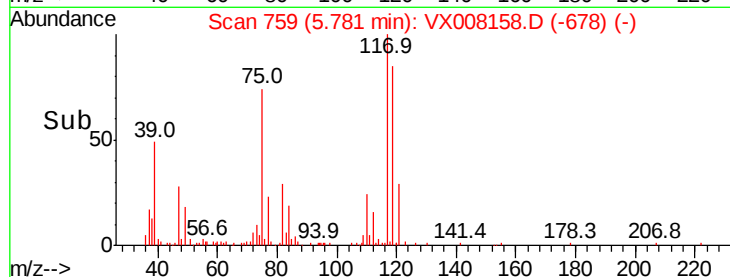
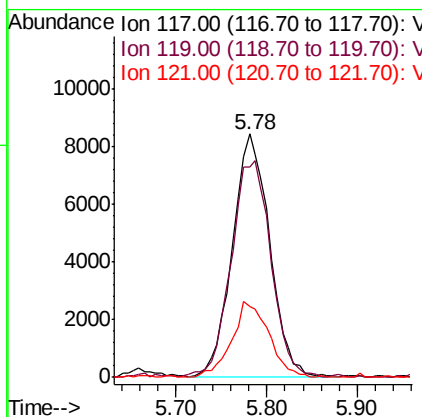
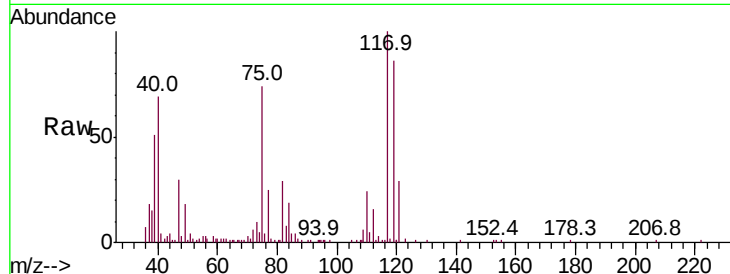
#33
Carbon Tetrachloride
Concen: 6.675 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 24073
Ion Ratio Lower Upper
117 100
119 85.2 78.1 117.1
121 28.9 27.0 40.6

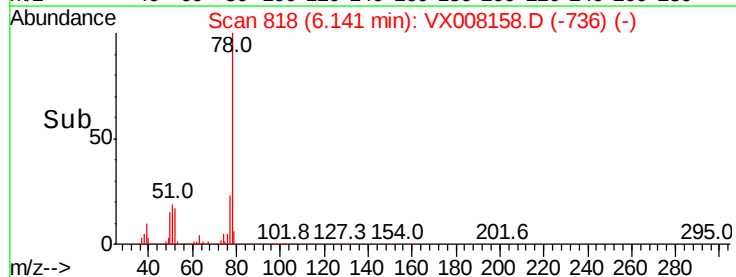
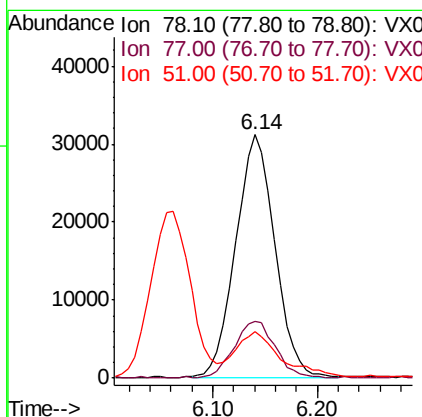
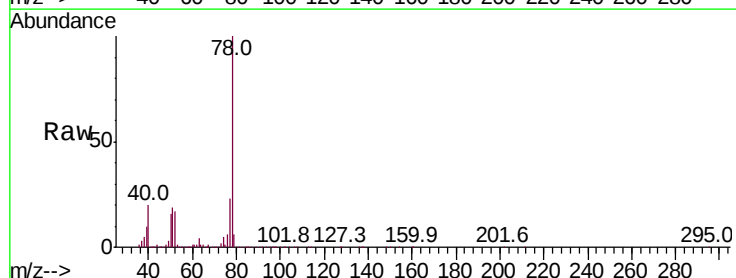
Manual Integrations
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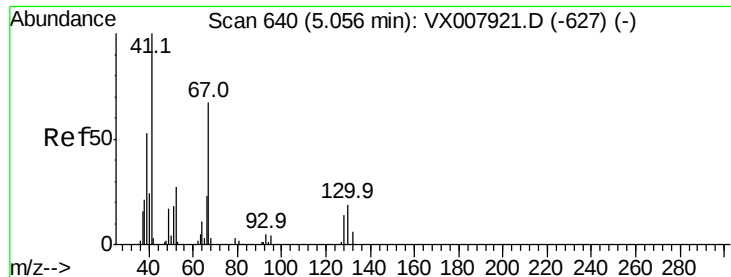
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#34
Benzene
Concen: 6.473 ug/l m
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion: 78 Resp: 81248
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7
51 19.3 10.8 16.2#





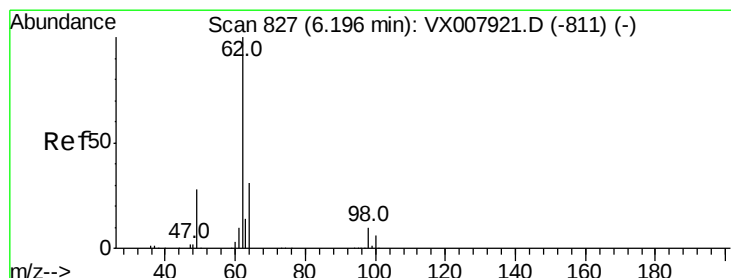
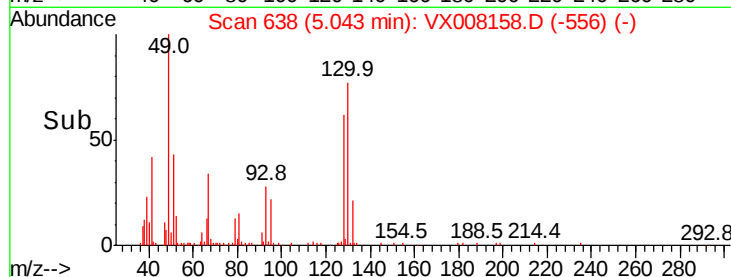
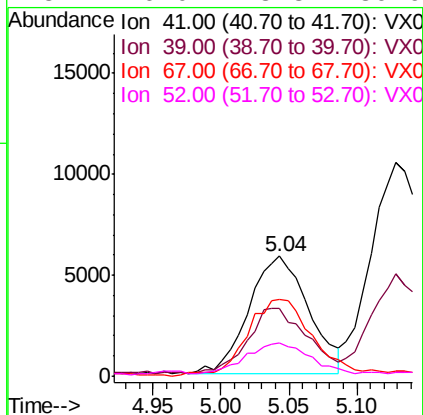
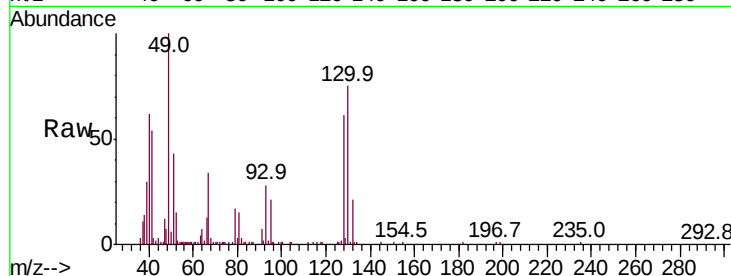
#35
Methacrylonitrile
Concen: 6.338 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	27.4	82.0
67	62.2	37.9	113.6
52	26.0	13.3	39.9

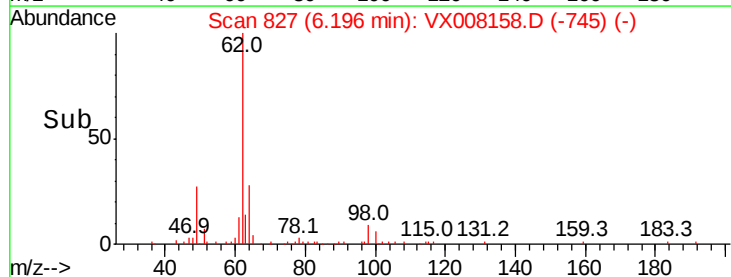
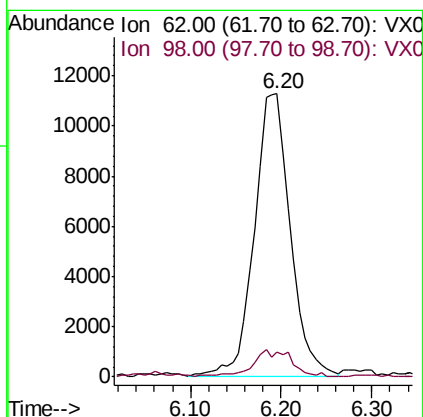
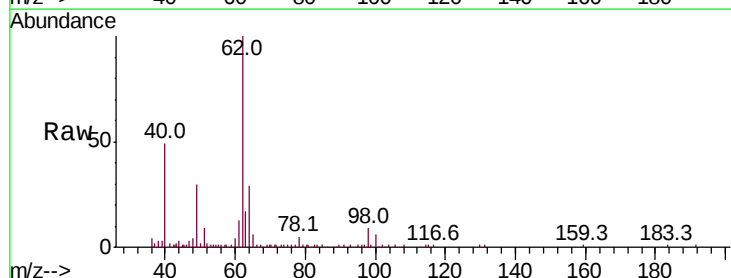
Manual Integrations
APPROVED

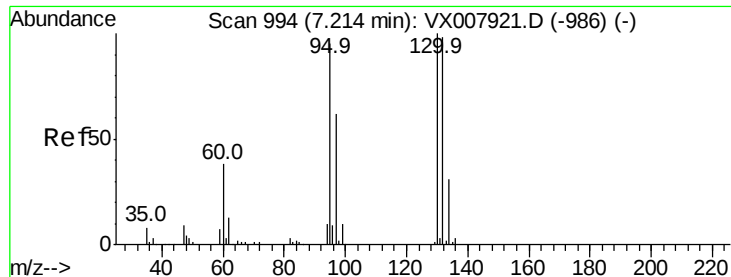
MMDadoda
3/19/2019 9:36:45 AM



#36
1,2-Dichloroethane
Concen: 6.726 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.0	7.8	11.8#





#37

Trichloroethene

Concen: 6.661 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 19689

Ion Ratio Lower Upper

130 100

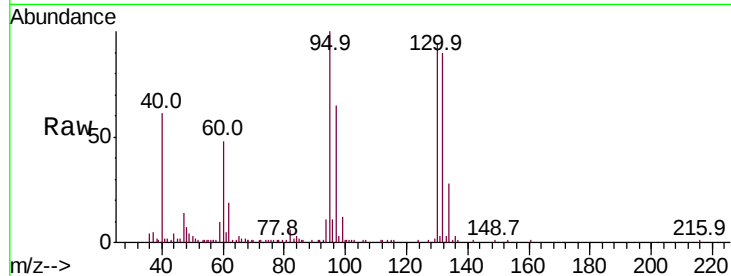
95 105.6 71.3 106.9

Manual Integrations

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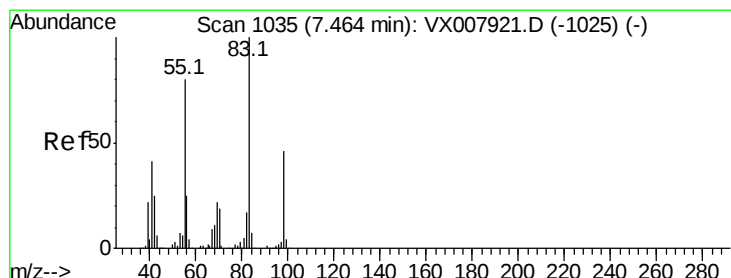
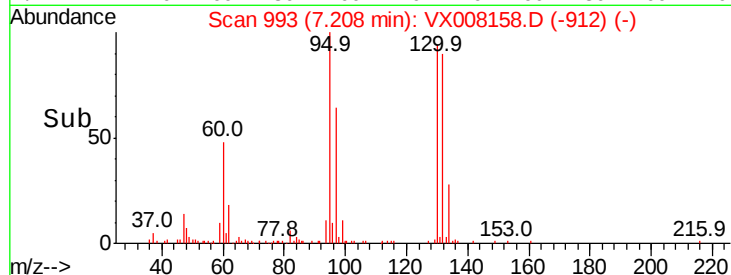
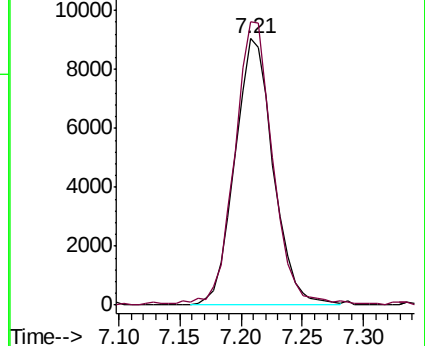
MMDadoda

3/19/2019 9:36:45 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 6.682 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

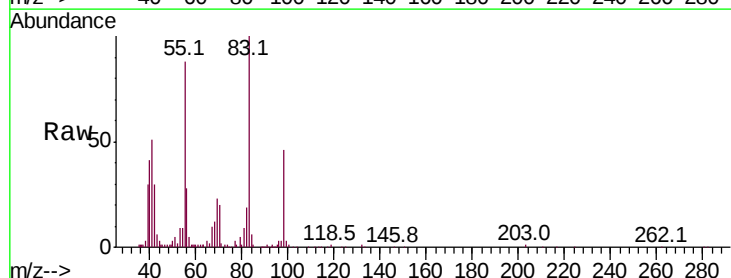
Tgt Ion: 83 Resp: 33236

Ion Ratio Lower Upper

83 100

55 86.4 36.0 108.0

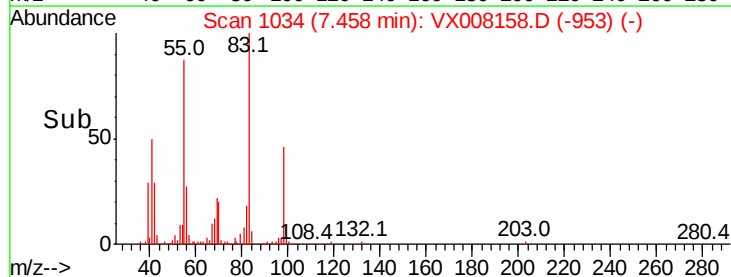
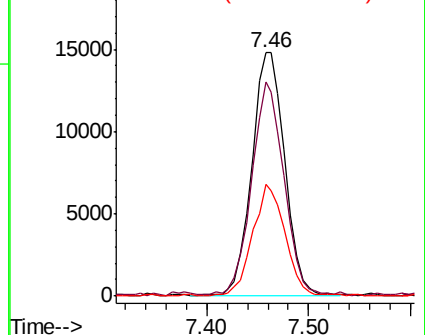
98 45.5 23.8 71.4

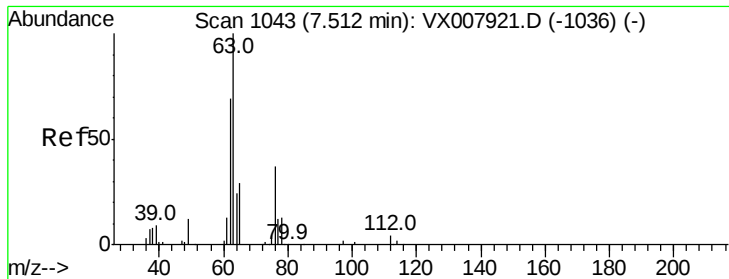


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 6.297 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 21492

Ion Ratio Lower Upper

63 100

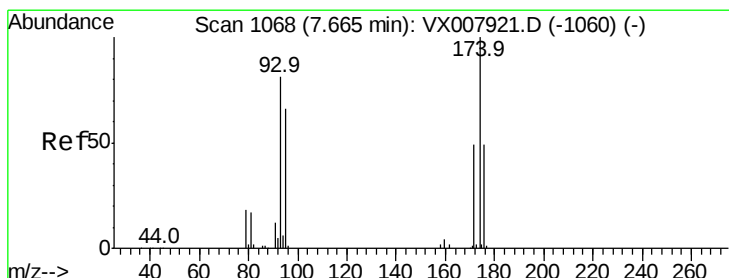
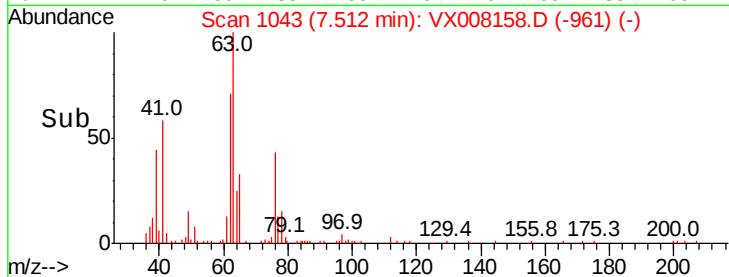
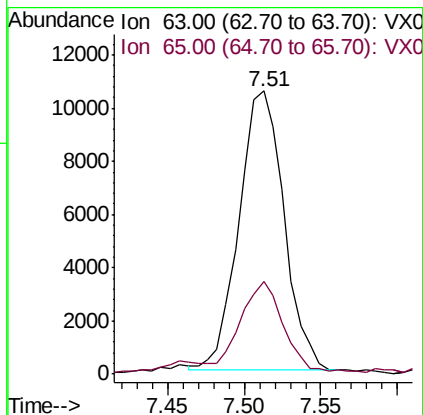
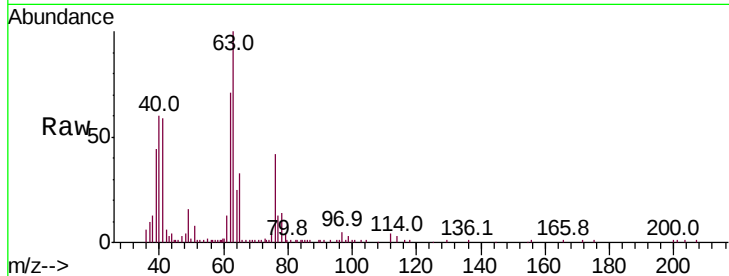
65 31.7 24.6 37.0

Manual Integrations

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#40

Dibromomethane

Concen: 6.671 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

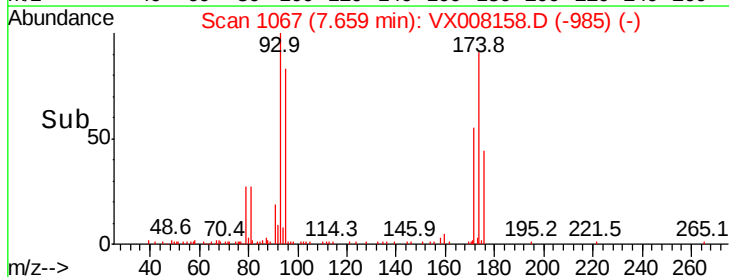
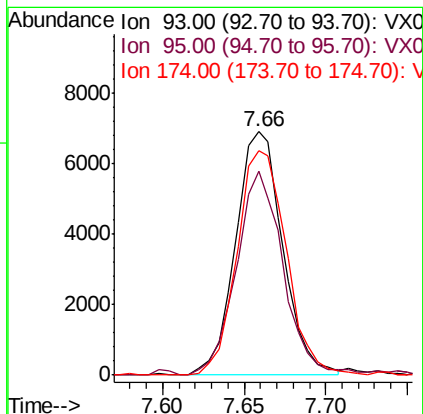
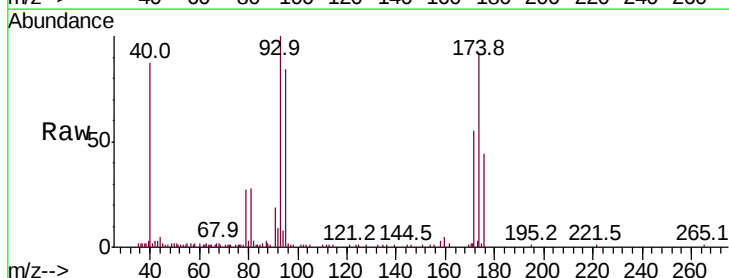
Tgt Ion: 93 Resp: 13918

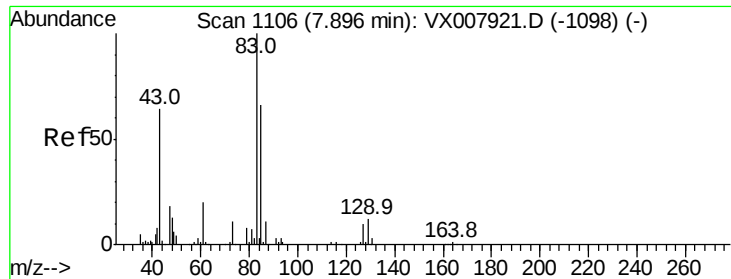
Ion Ratio Lower Upper

93 100

95 82.4 0.0 158.8

174 96.0 0.0 224.2





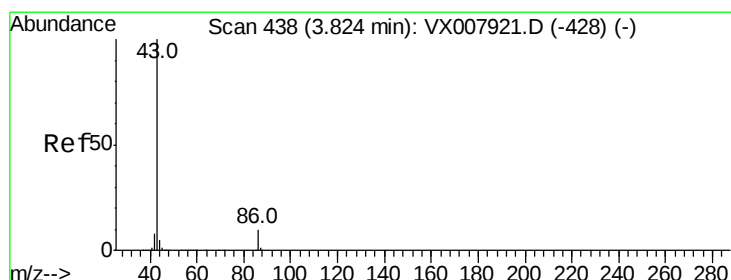
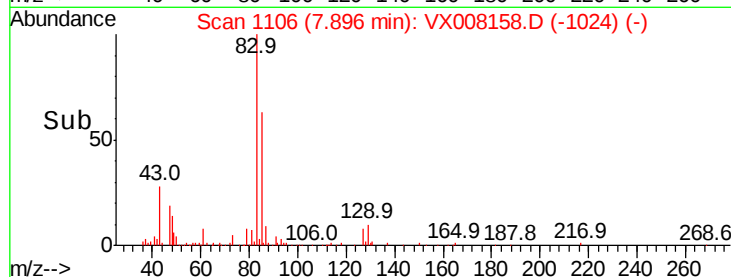
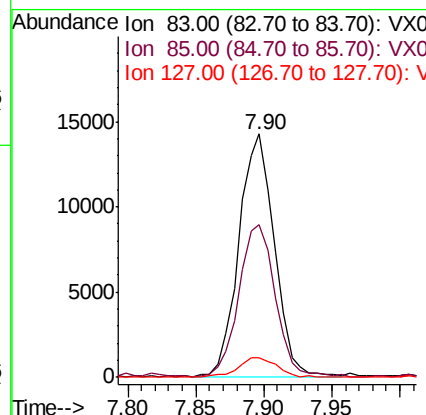
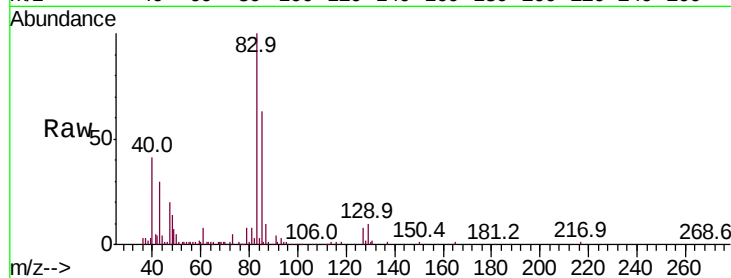
#41
Bromodichloromethane
Concen: 6.505 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.1	76.7
127	7.9	7.2	10.8

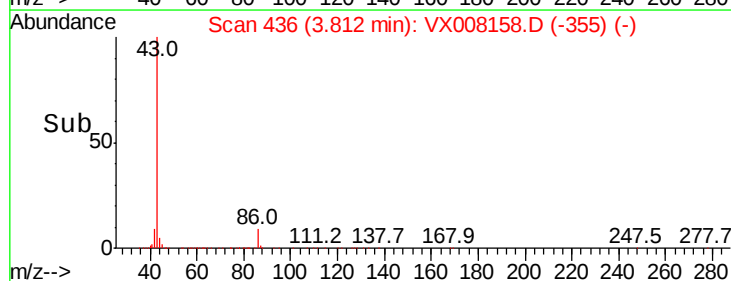
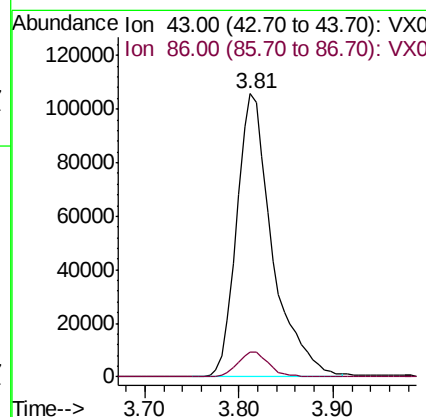
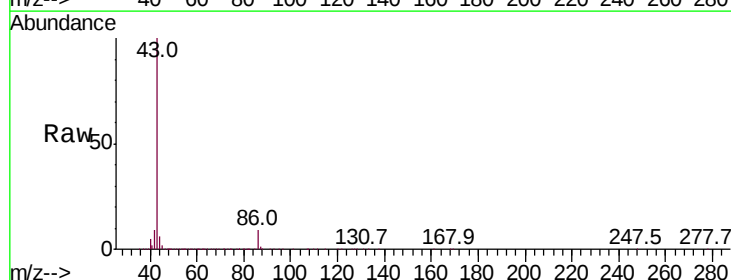
Manual Integrations
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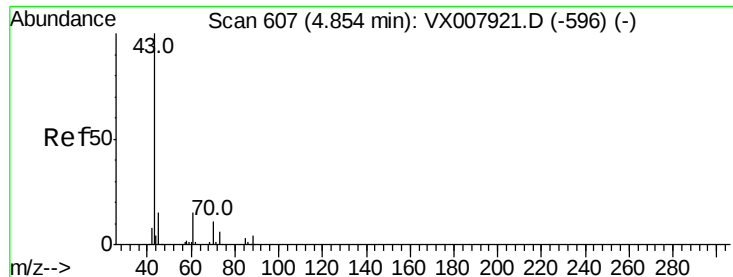
MMDadoda
3/19/2019 9:36:45 AM



#42
Vinyl Acetate
Concen: 28.326 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.8	8.2	12.2#





#43

Ethyl Acetate

Concen: 6.325 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 33750

Ion Ratio Lower Upper

43 100

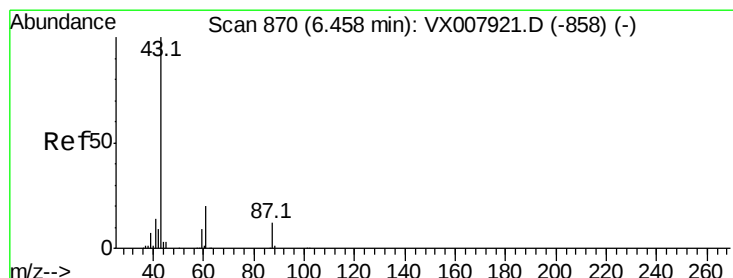
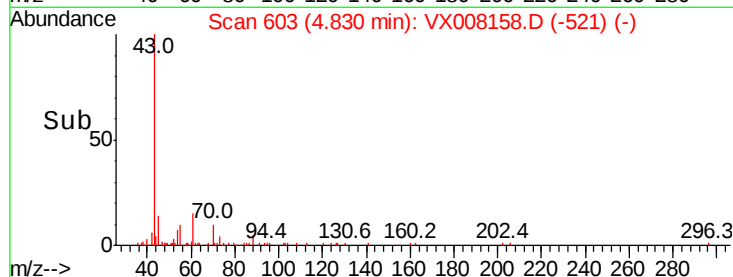
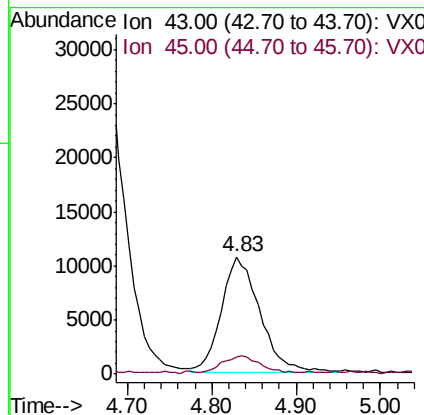
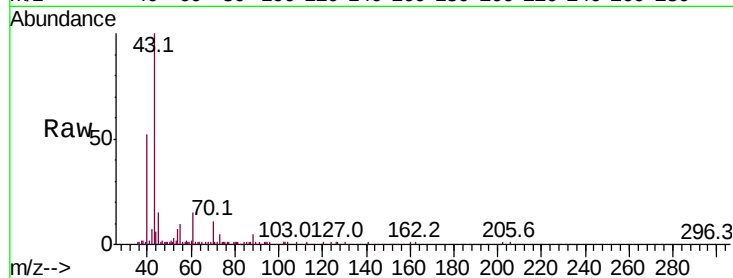
45 14.0 6.9 10.3#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 6.257 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008158.D

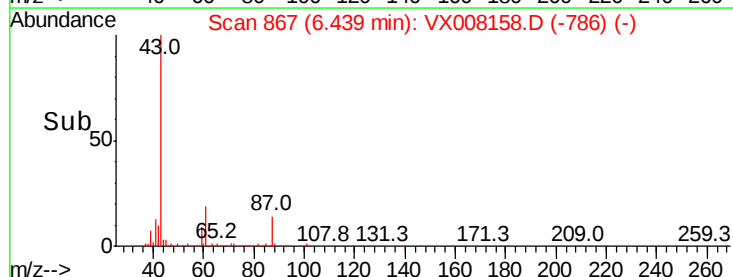
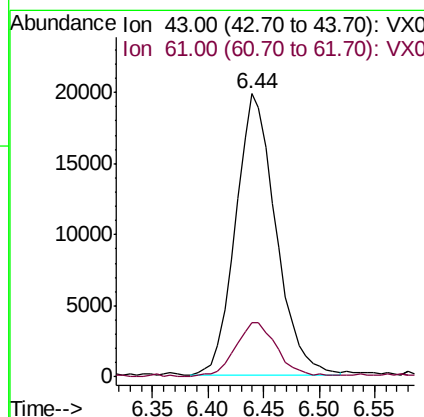
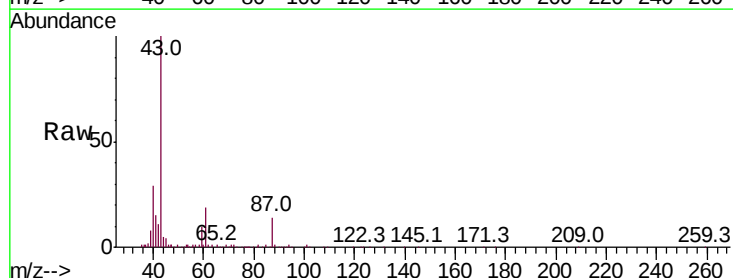
Acq: 18 Mar 2019 10:27

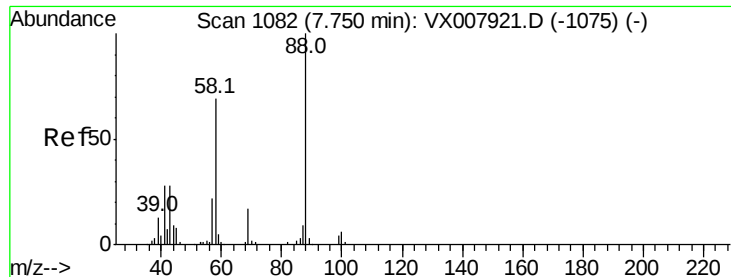
Tgt Ion: 43 Resp: 49610

Ion Ratio Lower Upper

43 100

61 19.9 16.1 24.1





#45

1,4-Dioxane

Concen: 127.805 ug/l m

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

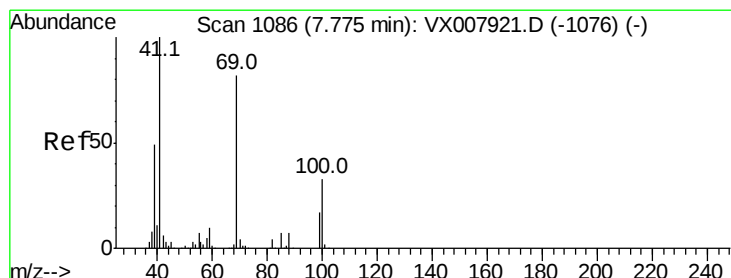
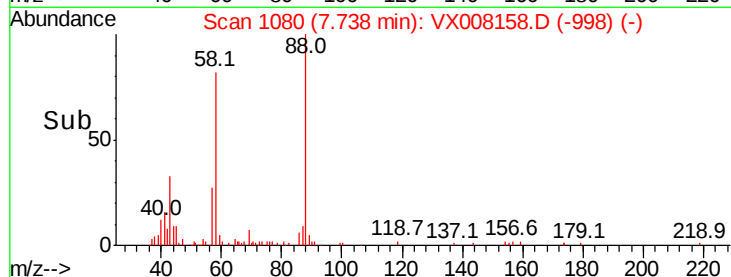
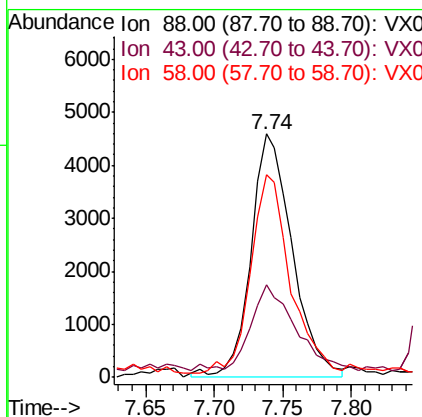
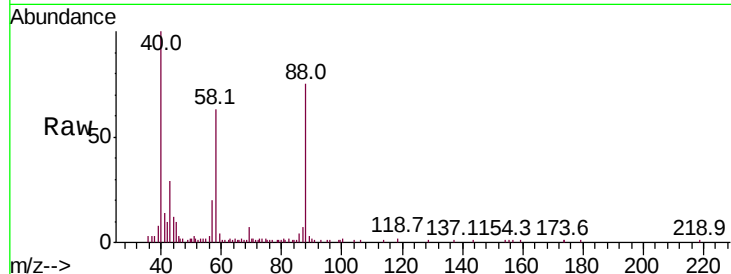
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	9647
Ion	Ratio	Lower	Upper
88	100		
43	0.6	23.6	35.4#
58	1.6	51.6	77.4#

Manual Integrations
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#46

Methyl methacrylate

Concen: 6.034 ug/l

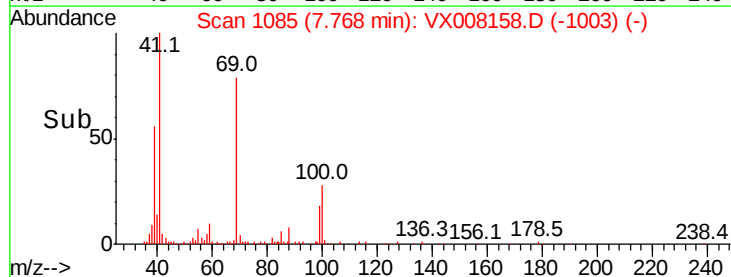
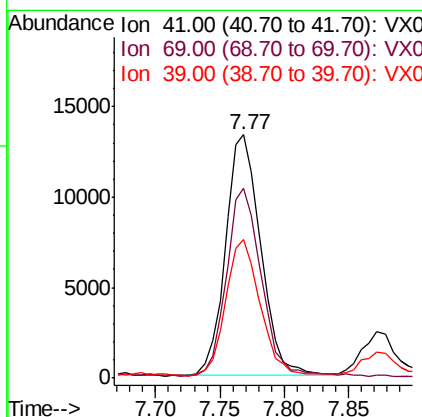
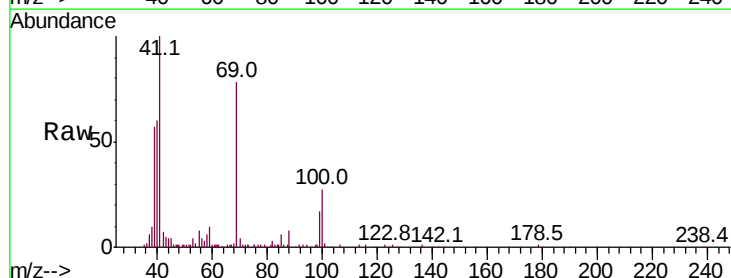
RT: 7.77 min Scan# 1085

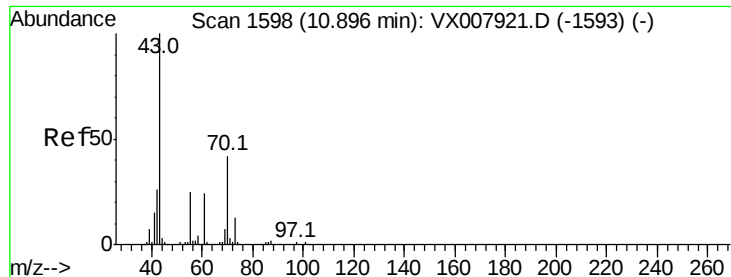
Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tgt Ion:	41	Resp:	25398
Ion	Ratio	Lower	Upper
41	100		
69	77.9	44.2	132.6
39	56.7	29.9	89.8





#47

n-amvl Acetate

Concen: 6.094 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 41864

Ion Ratio Lower Upper

43 100

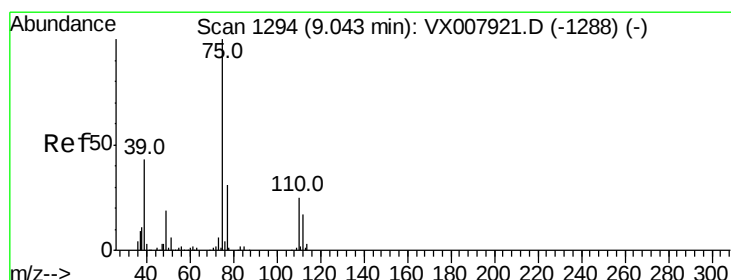
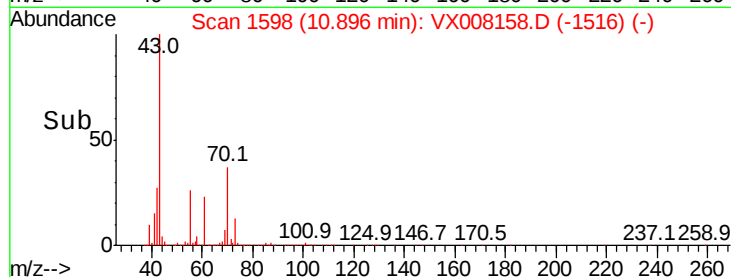
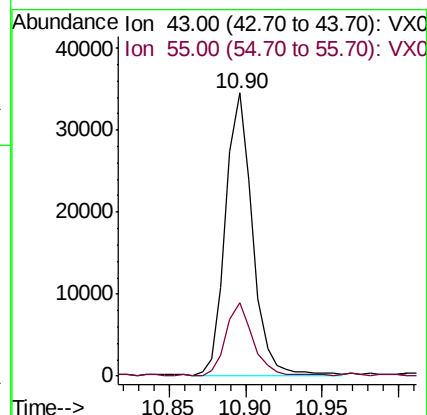
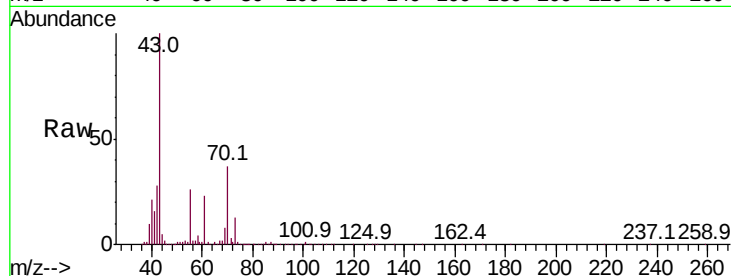
55 26.0 20.8 31.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 6.184 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008158.D

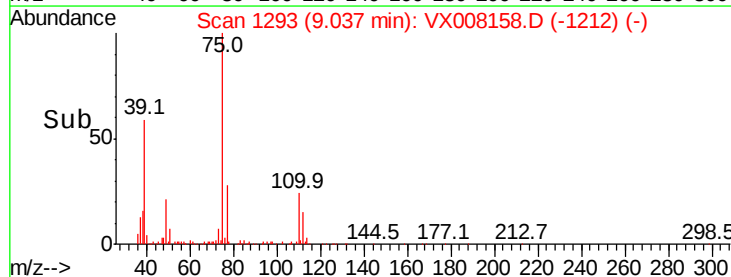
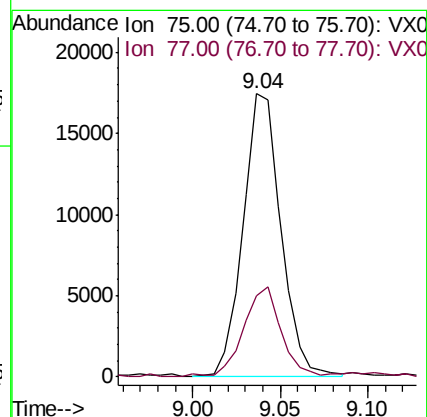
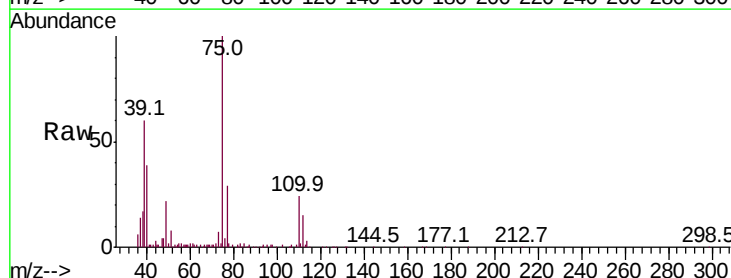
Acq: 18 Mar 2019 10:27

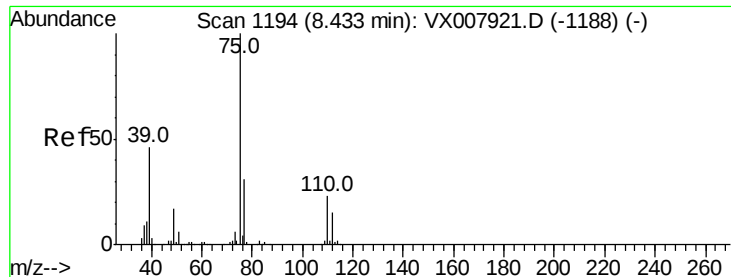
Tgt Ion: 75 Resp: 26315

Ion Ratio Lower Upper

75 100

77 27.8 24.5 36.7





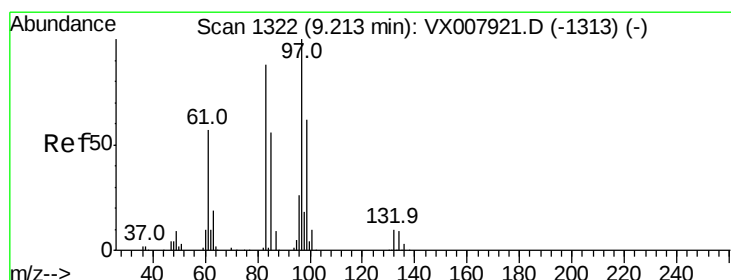
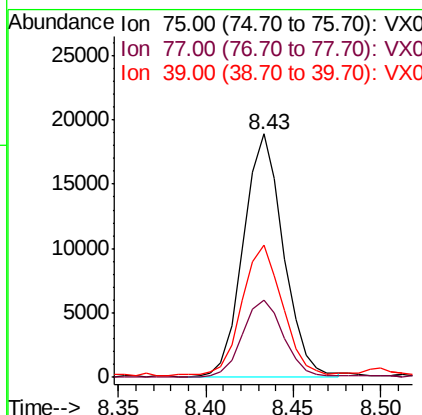
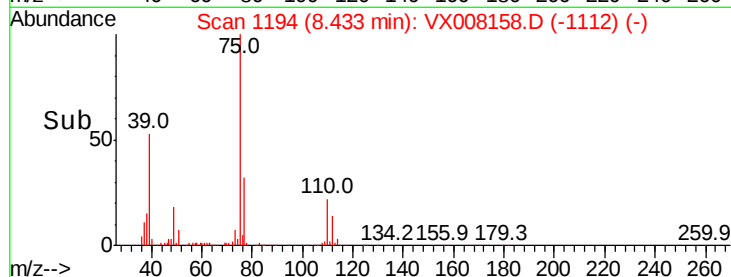
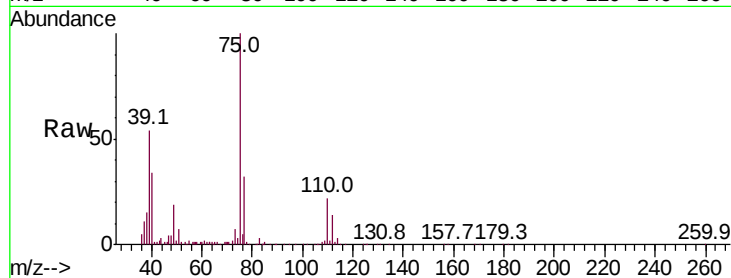
#49
 cis-1,3-Dichloropropene
 Concen: 6.276 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	53.2	38.5	57.7

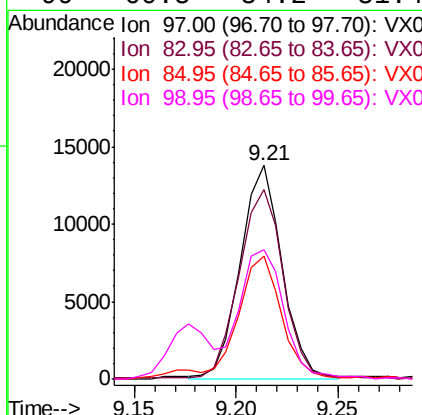
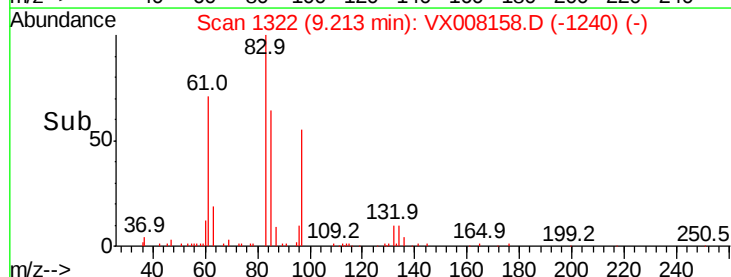
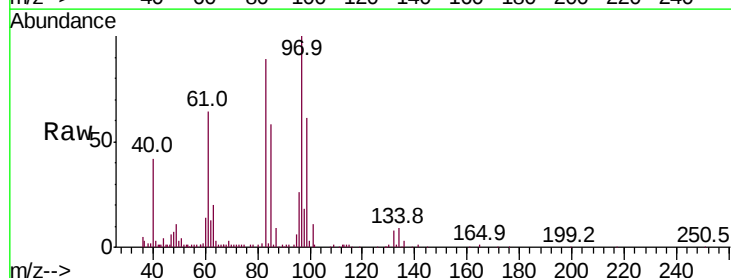
Manual Integrations
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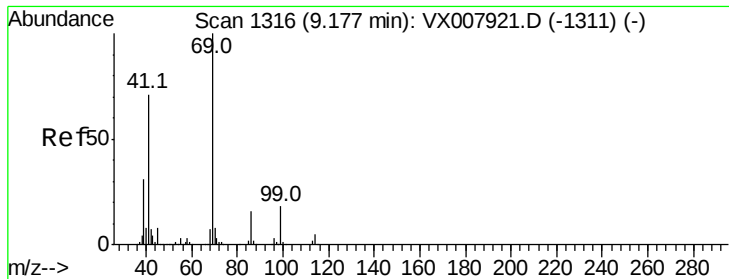
MMDadoda
 3/19/2019 9:36:45 AM



#50
 1,1,2-Trichloroethane
 Concen: 6.565 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.0	108.0
85	57.7	45.0	67.6
99	60.5	54.2	81.4





#51

Ethyl methacrylate

Concen: 6.041 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

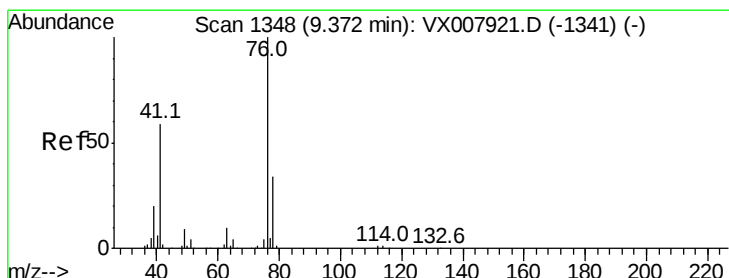
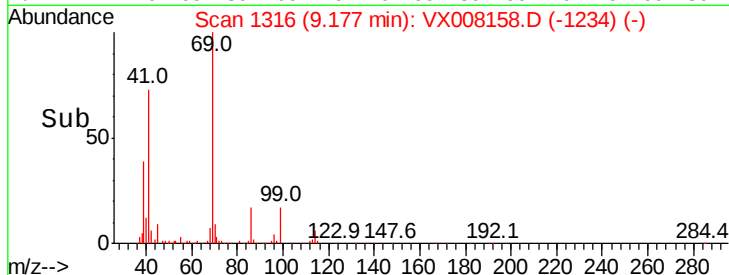
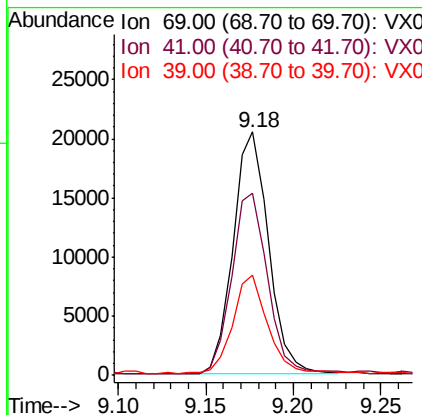
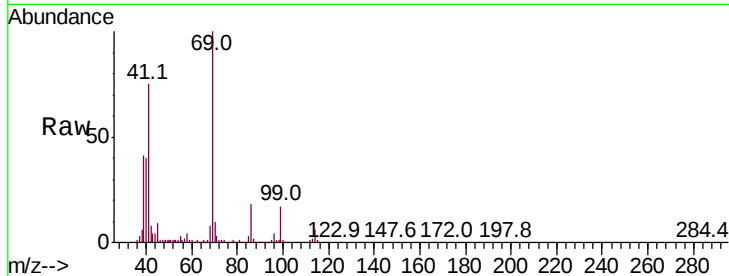
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	28969
Ion Ratio	Lower	Upper	
69	100		
41	74.4	32.1	96.5
39	40.2	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 6.498 ug/l

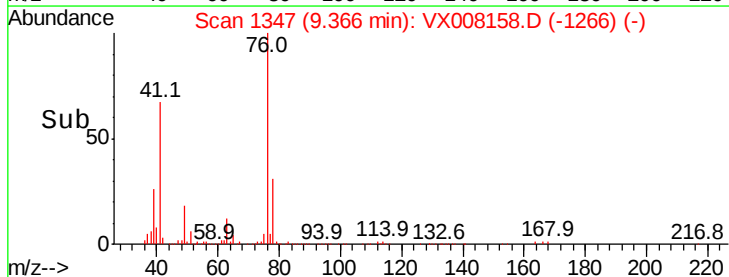
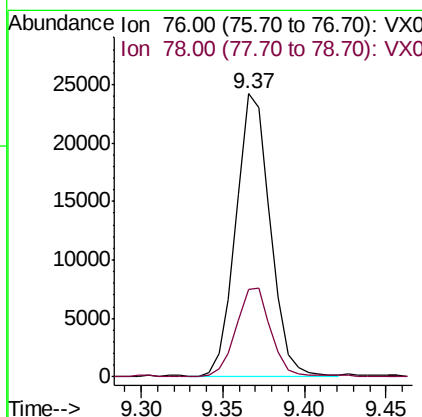
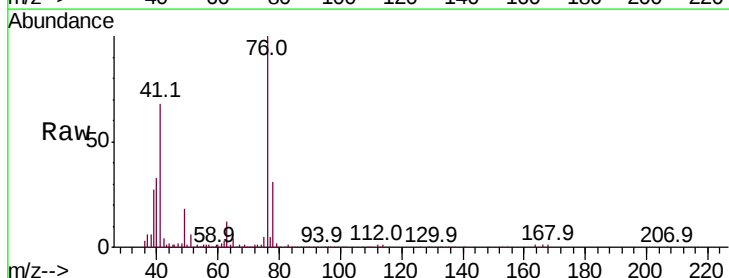
RT: 9.37 min Scan# 1347

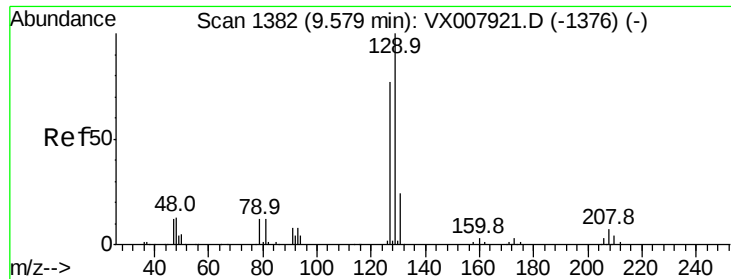
Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tgt Ion:	76	Resp:	35498
Ion Ratio	Lower	Upper	
76	100		
78	31.6	0.0	65.2





#53

Dibromochloromethane

Concen: 6.325 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tot Ion:129 Resp: 18133

Ion Ratio Lower Upper

129 100

127 77.0 38.4 115.2

Instrument :

MSVOA_X

ClientSampleId :

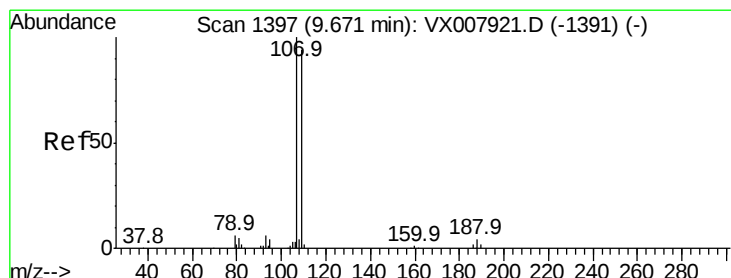
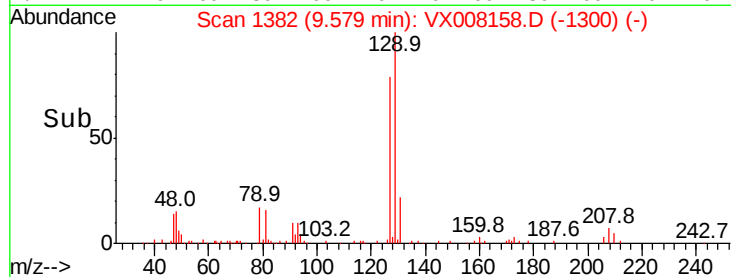
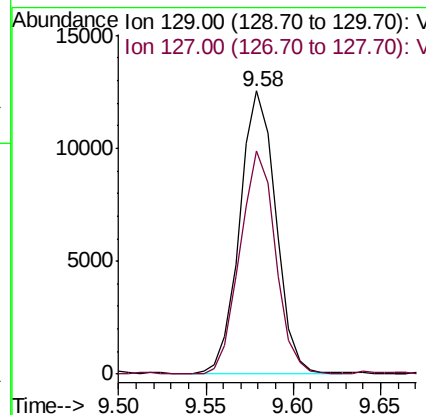
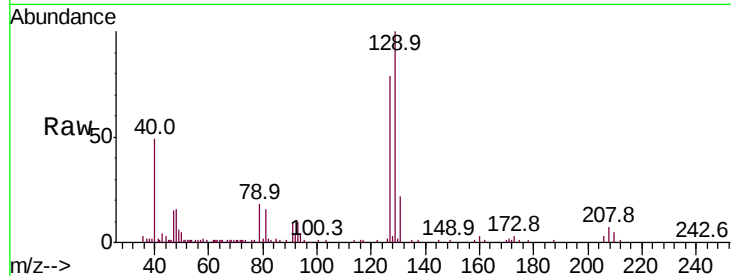
VSTDIC005

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#54

1,2-Dibromoethane

Concen: 6.387 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008158.D

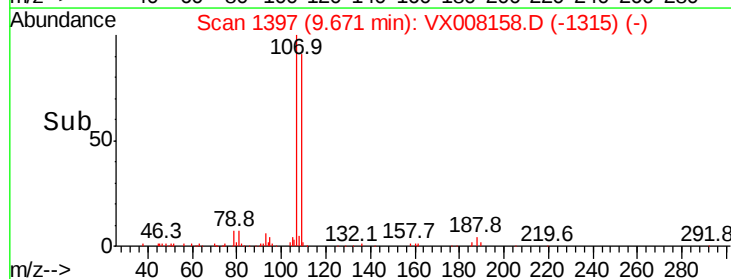
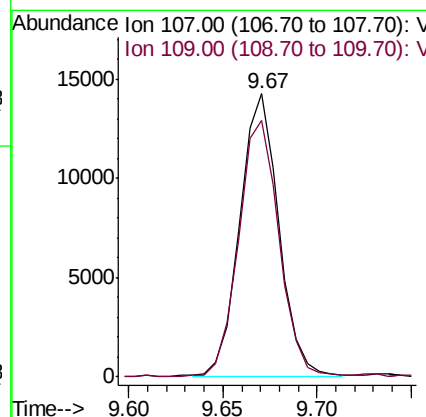
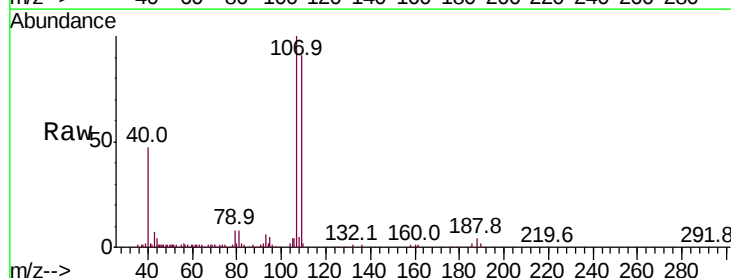
Acq: 18 Mar 2019 10:27

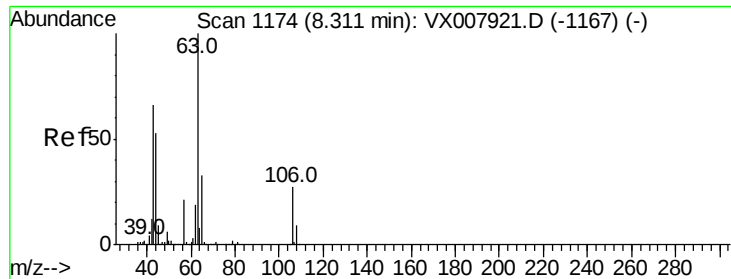
Tgt Ion:107 Resp: 20538

Ion Ratio Lower Upper

107 100

109 93.6 76.6 115.0





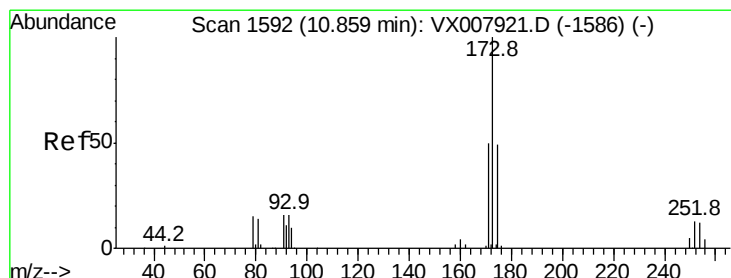
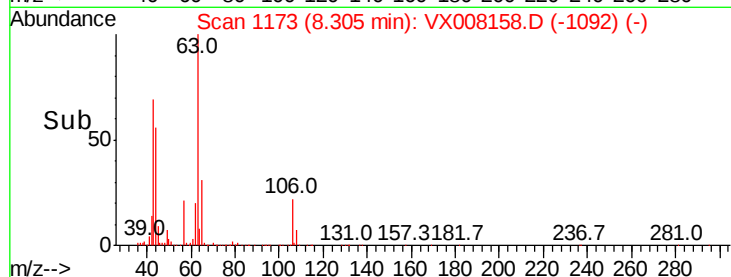
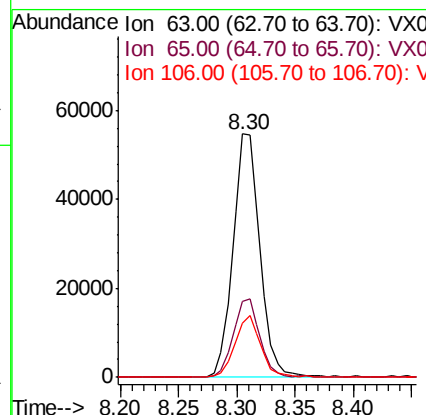
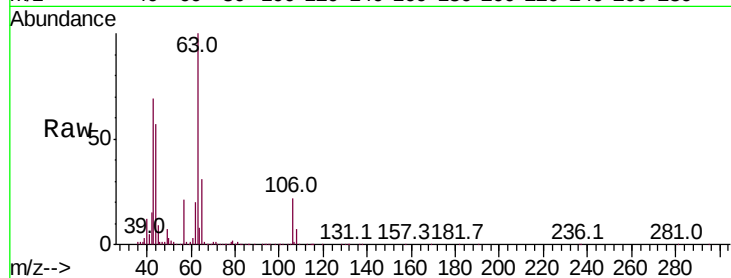
#55
2-Chloroethyl vinyl ether
Concen: 24.508 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.7	38.5
106	24.4	23.7	35.5

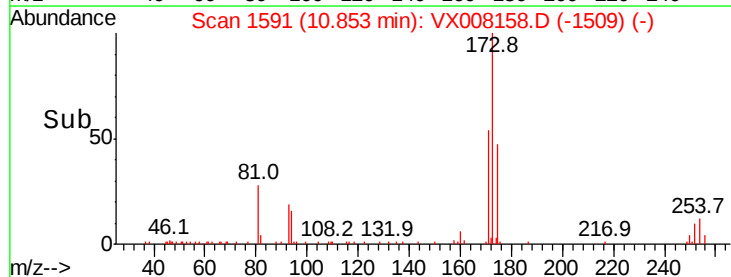
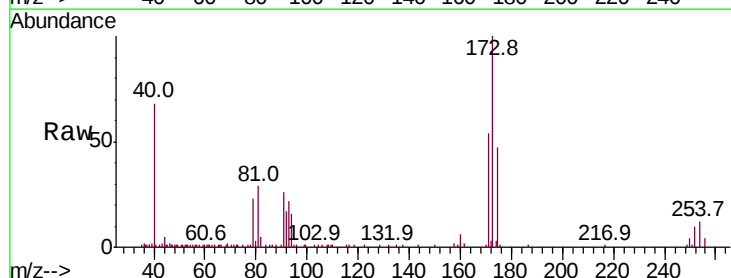
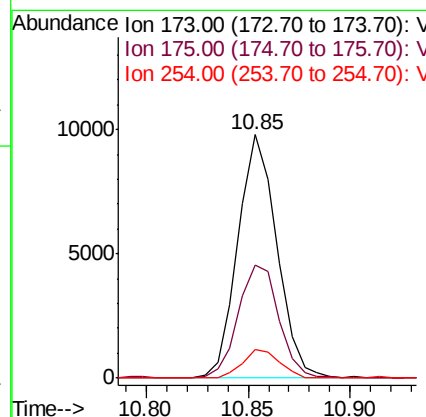
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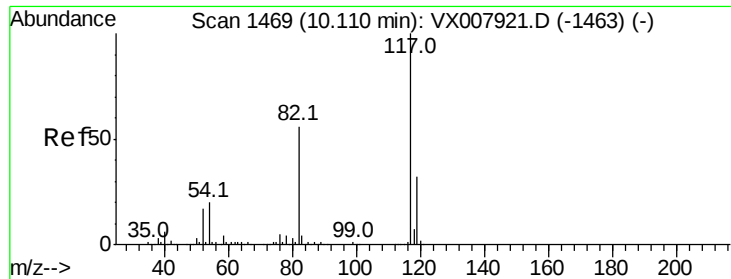
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3/19/2019 9:36:45 AM



#56
Bromoform
Concen: 6.392 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.5	57.7
254	11.0	7.4	11.2





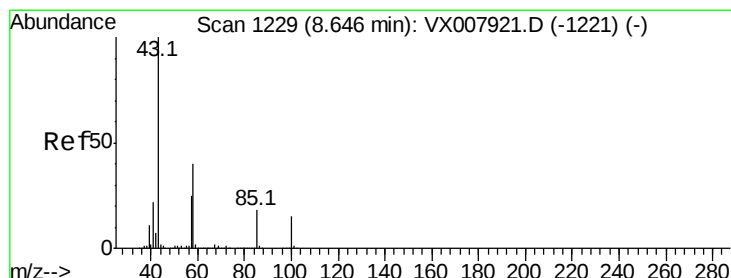
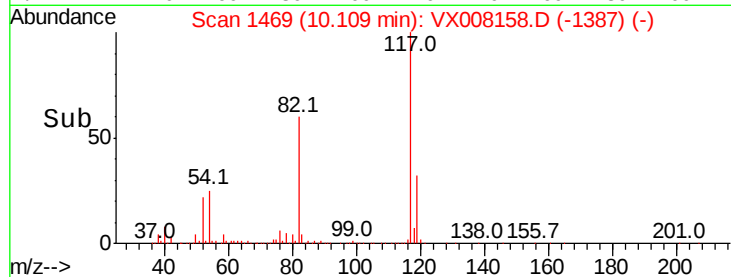
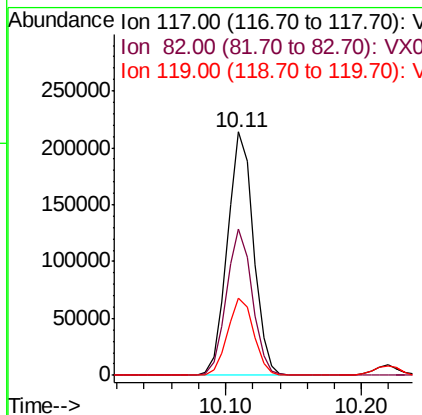
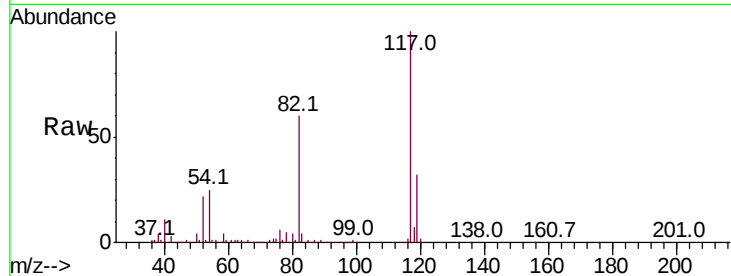
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	285213		
82	59.8		40.4	60.6
119	32.1		25.8	38.6

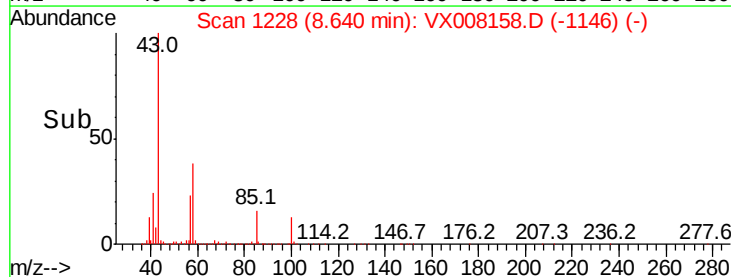
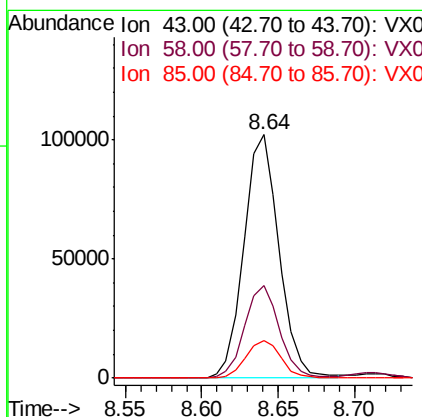
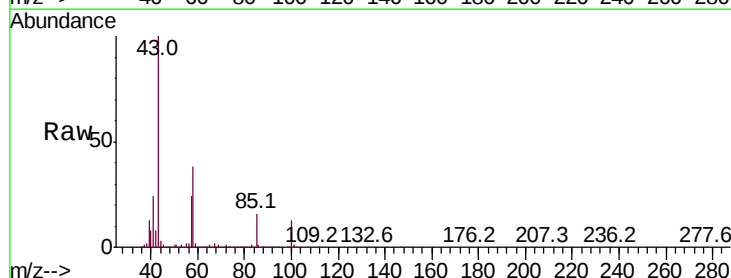
Manual Integrations
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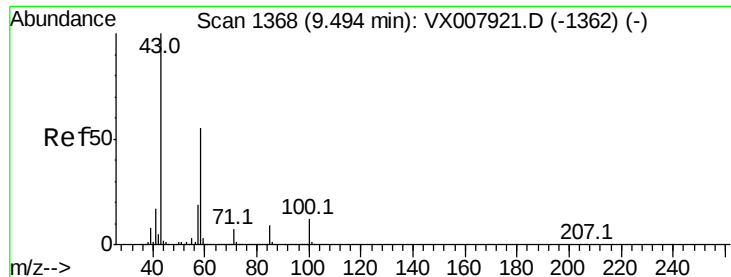
MMDadoda
3/19/2019 9:36:45 AM



#58
4-Methyl-2-Pentanone
Concen: 29.810 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	161843		
58	37.7		31.4	47.0
85	15.7		15.0	22.6





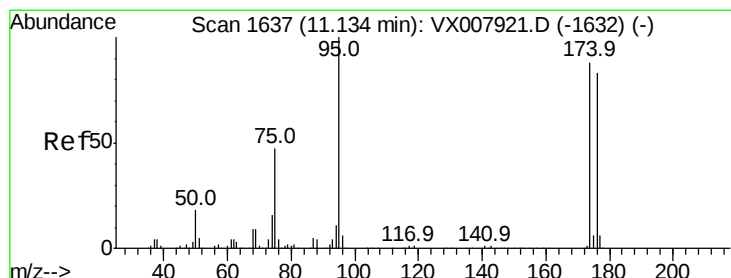
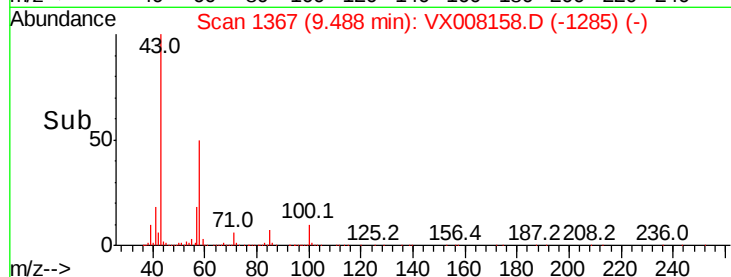
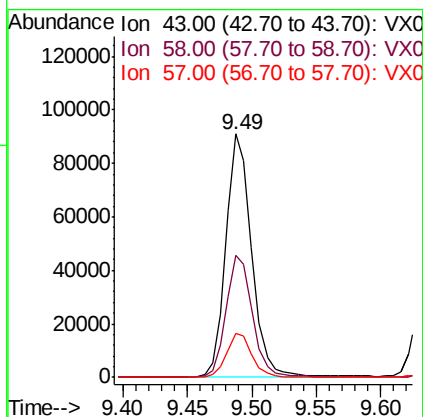
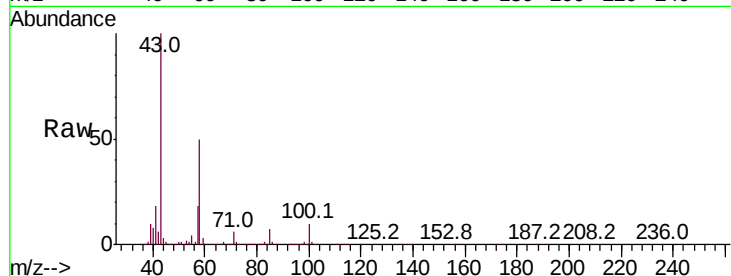
#59
2-Hexanone
Concen: 28.942 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	43.9	65.9
57	17.4	14.9	22.3

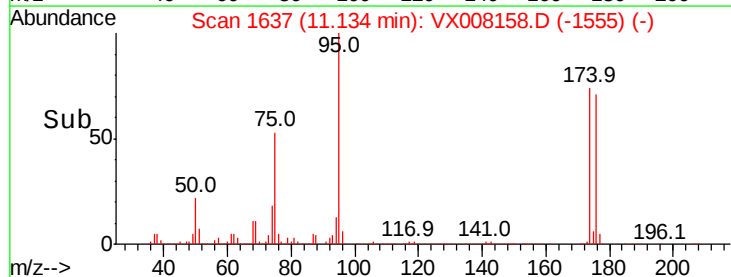
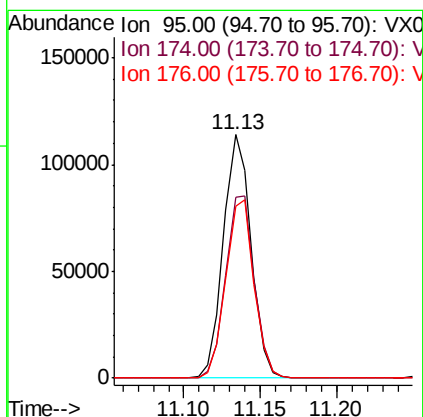
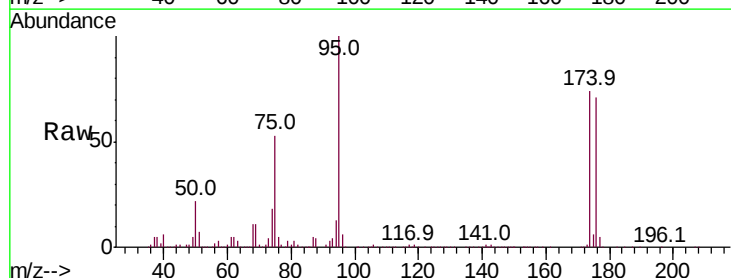
Manual Integrations
APPROVED

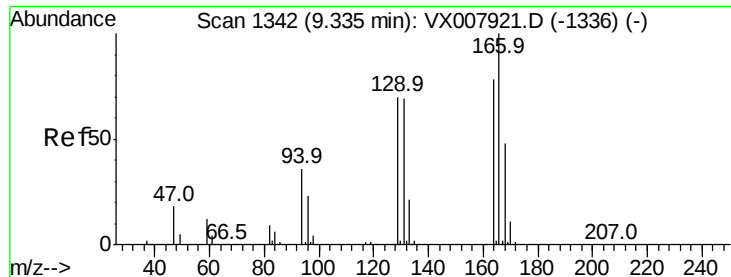
MMDadoda
3/19/2019 9:36:45 AM



#60
4-Bromofluorobenzene
Concen: 29.876 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.2	74.9	112.3
176	74.5	70.7	106.1





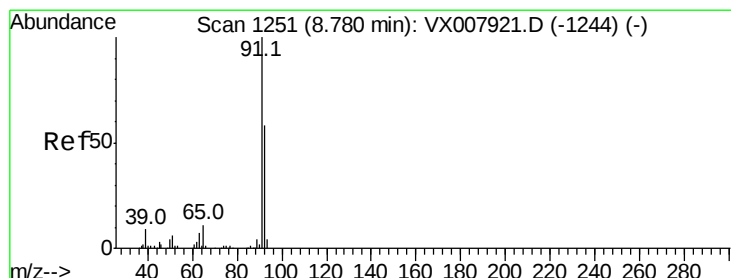
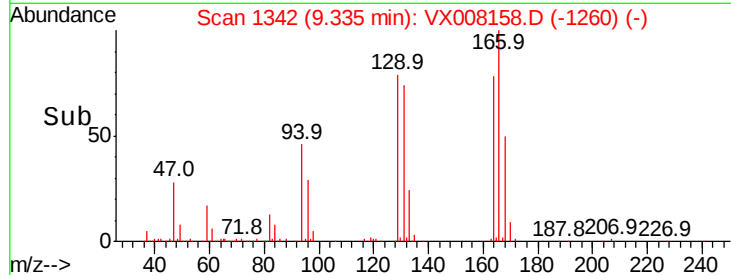
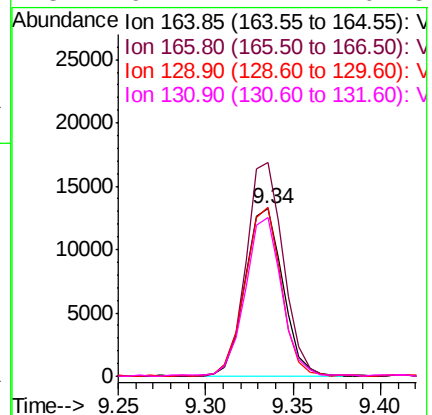
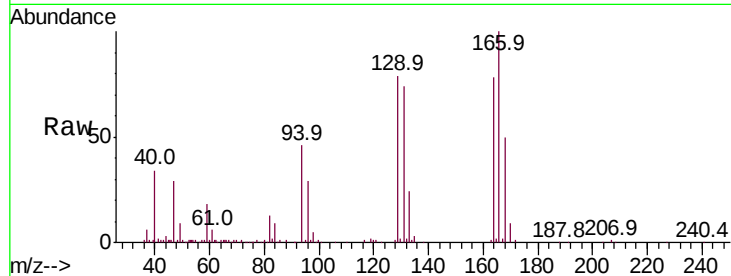
#61
Tetrachloroethene
Concen: 7.121 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.9	155.9
129	100.7	74.7	112.1
131	94.4	71.7	107.5

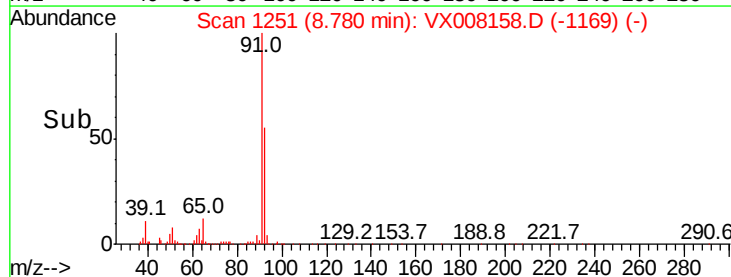
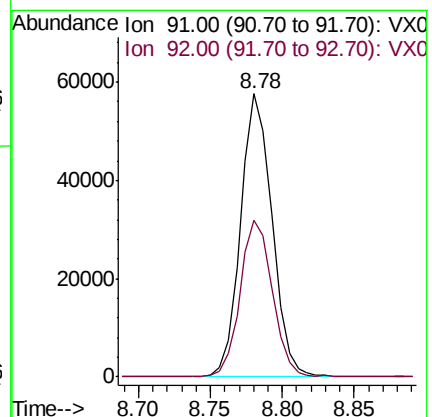
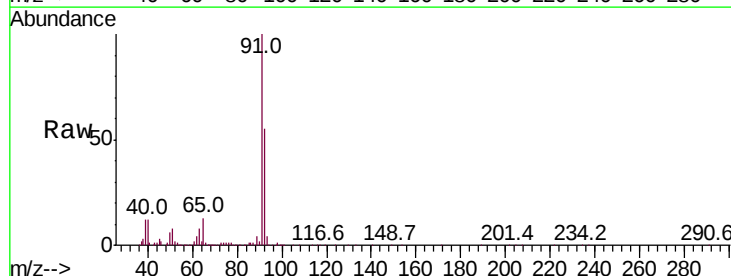
Manual Integrations
APPROVED

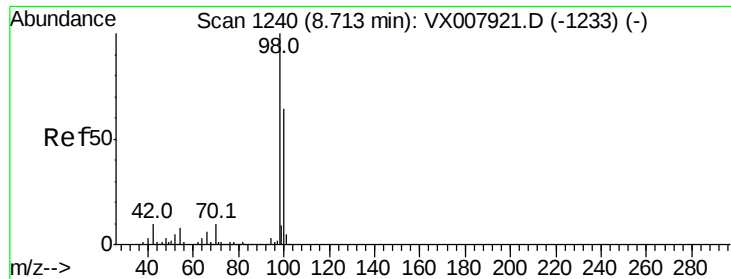
MMDadoda
3/19/2019 9:36:45 AM



#62
Toluene
Concen: 6.654 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	46.4	69.6





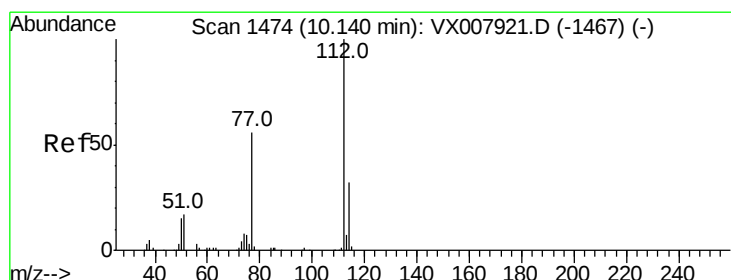
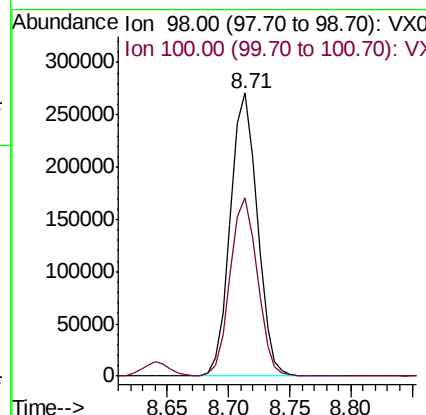
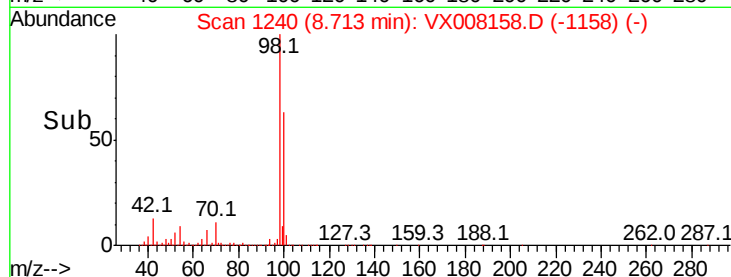
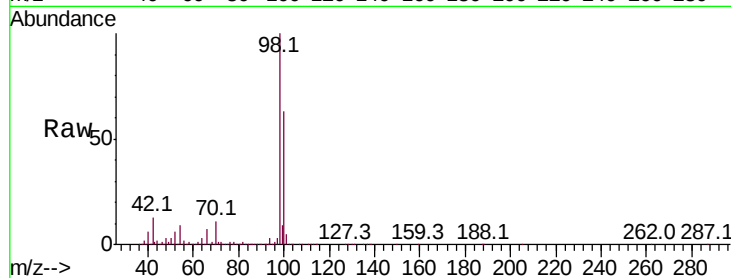
#63
Toluene-d8
Concen: 29.666 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 415130
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3

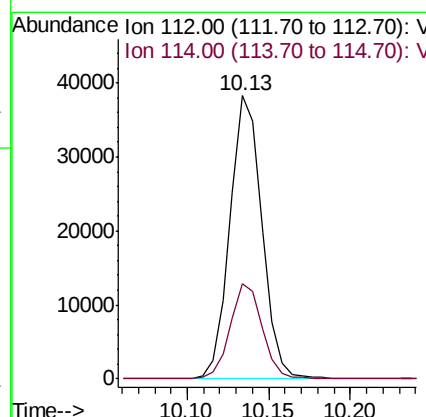
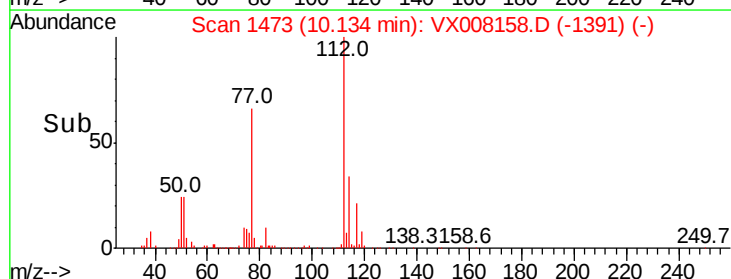
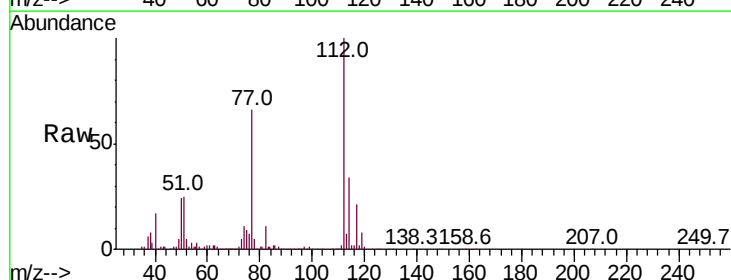
Manual Integrations
APPROVED

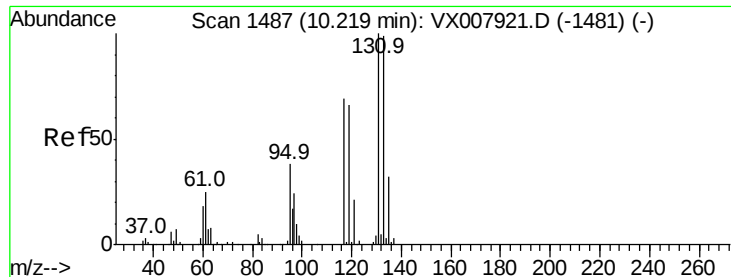
MMDadoda
3/19/2019 9:36:45 AM



#64
Chlorobenzene
Concen: 6.620 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion: 112 Resp: 51889
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 6.628 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

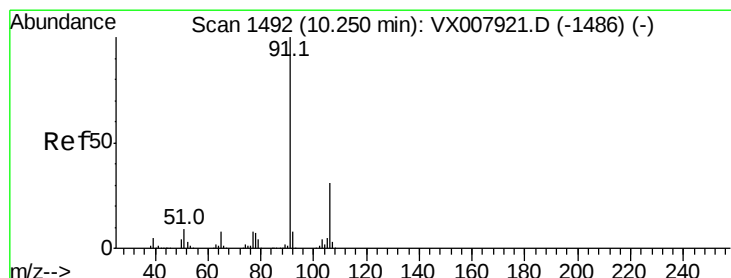
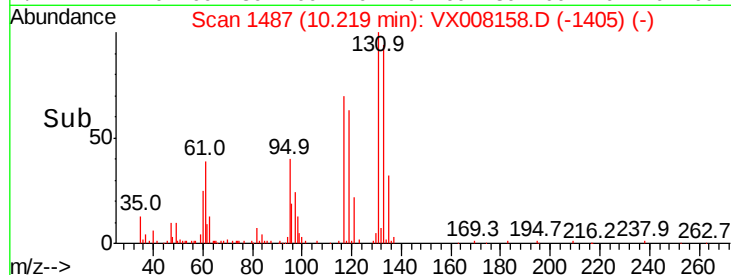
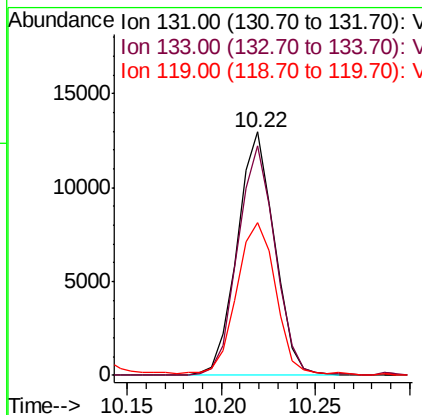
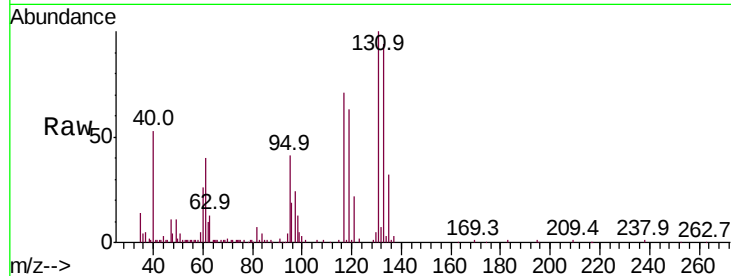
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	17840
Ion	Ratio	Lower	Upper
131	100		
133	94.5	0.0	191.6
119	65.7	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 6.679 ug/l

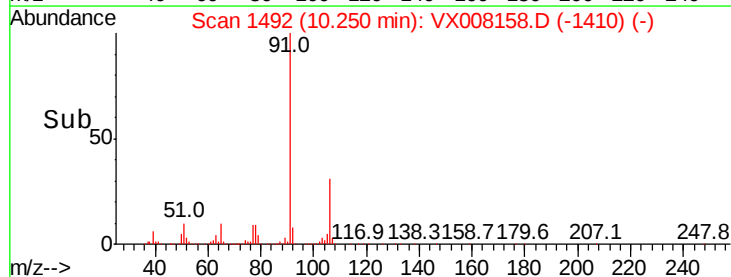
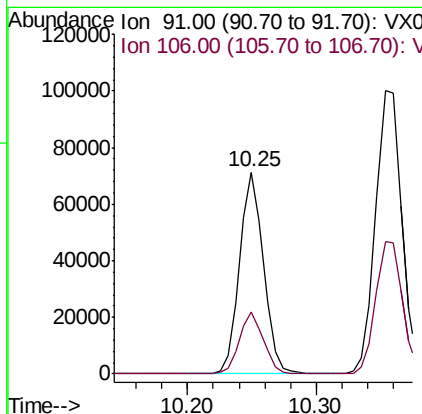
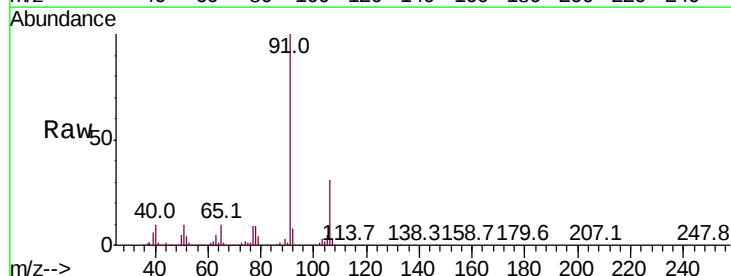
RT: 10.25 min Scan# 1492

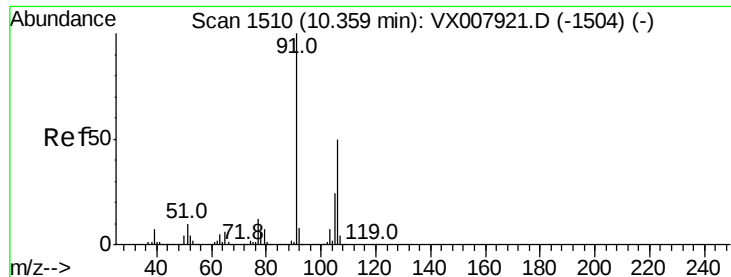
Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tgt Ion:	91	Resp:	92089
Ion	Ratio	Lower	Upper
91	100		
106	30.7	26.0	39.0





#67

m/p-Xylenes

Concen: 13.044 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 66488

Ion Ratio Lower Upper

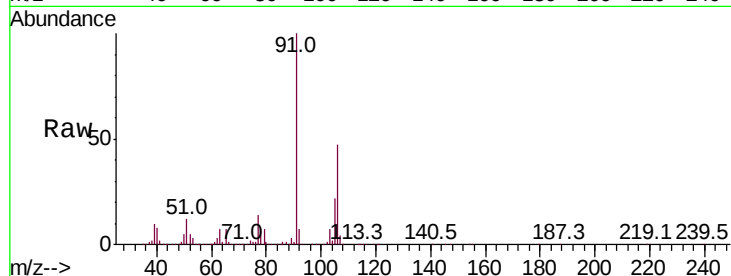
106 100

91 210.6 157.0 235.4

Manual Integrations
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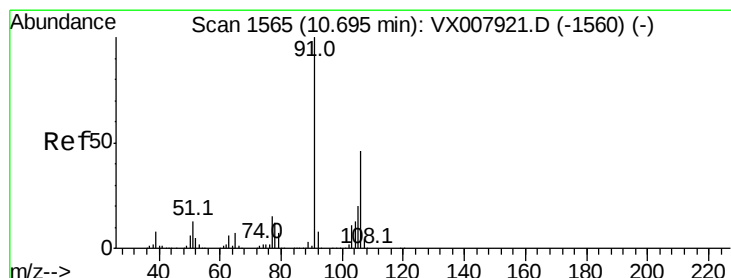
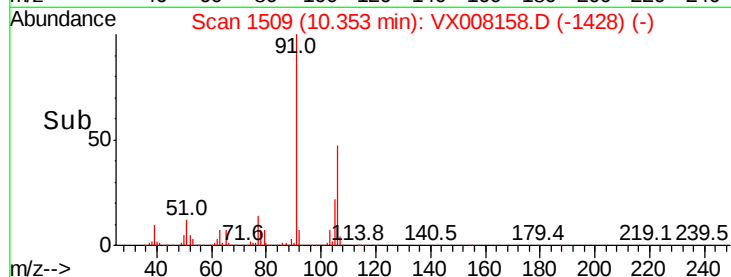
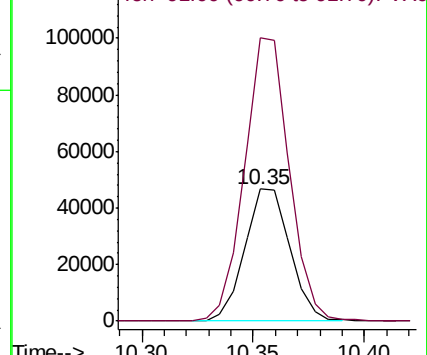
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 6.623 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX008158.D

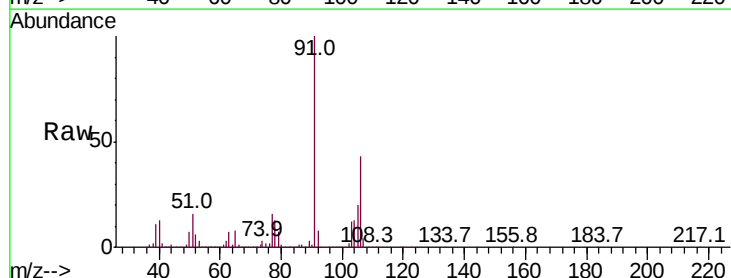
Acq: 18 Mar 2019 10:27

Tgt Ion:106 Resp: 32576

Ion Ratio Lower Upper

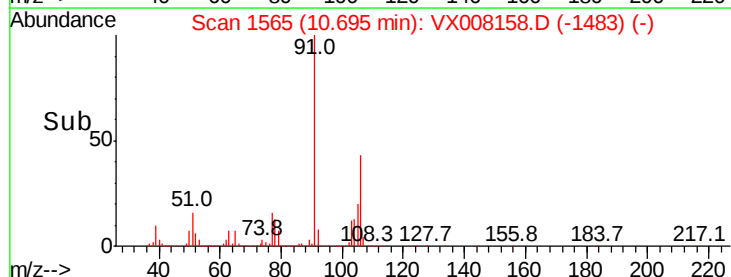
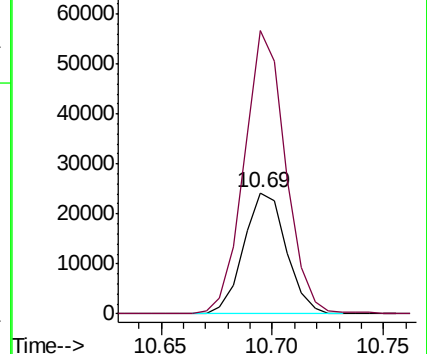
106 100

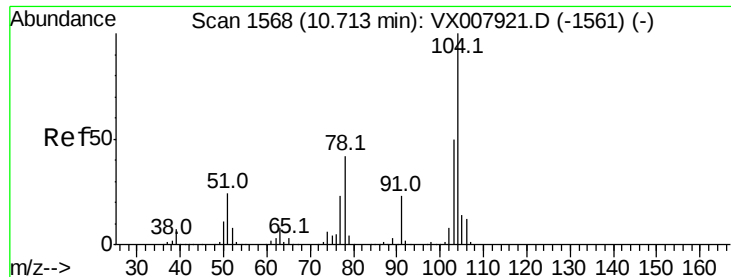
91 224.9 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





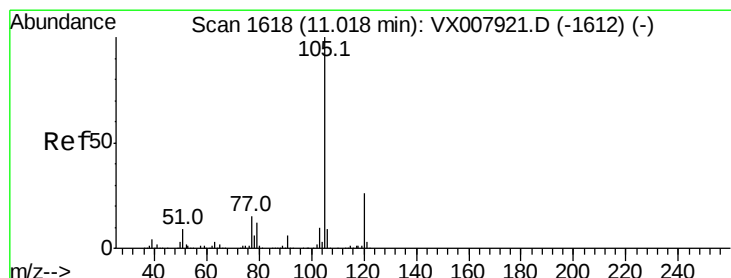
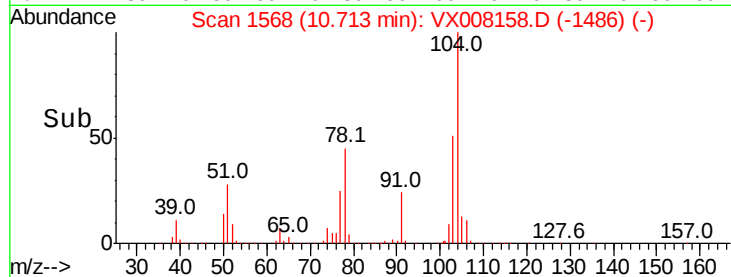
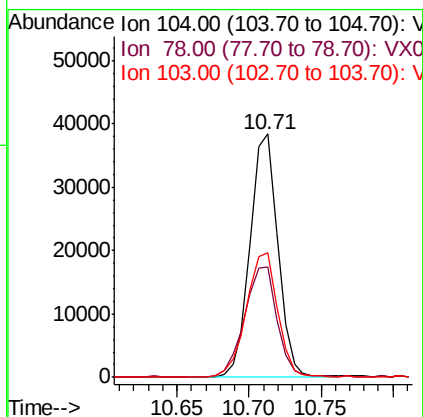
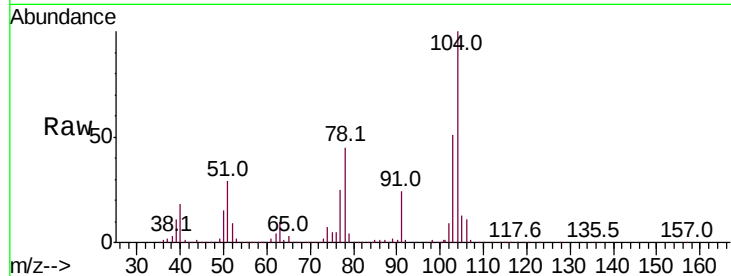
#69
Stvrene
Concen: 6.454 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.1	38.2	57.2
103	57.7	45.0	67.4

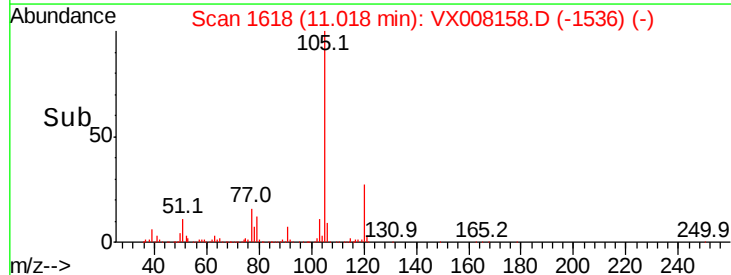
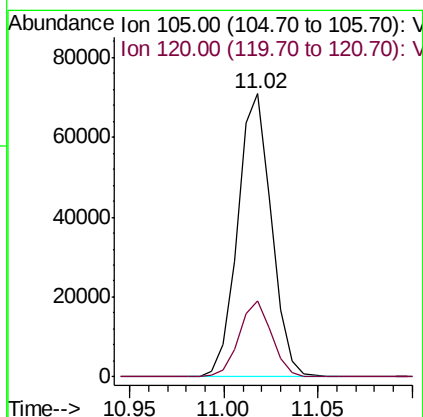
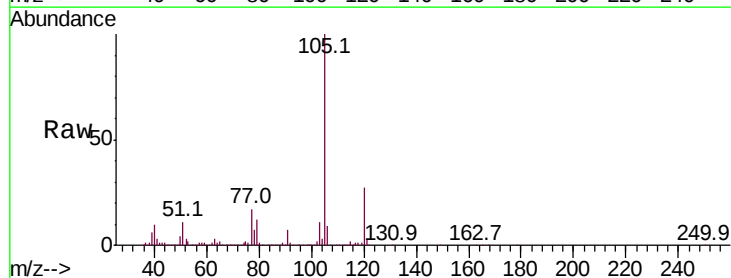
Manual Integrations
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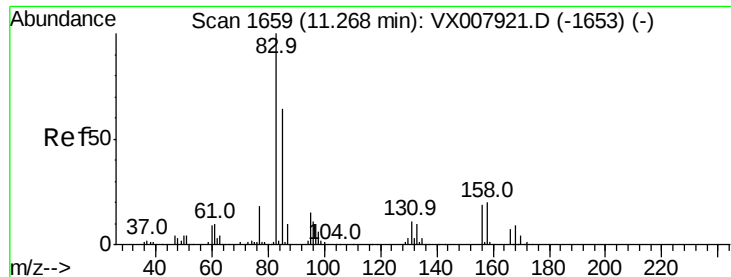
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#70
Isopropylbenzene
Concen: 6.632 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 6.646 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

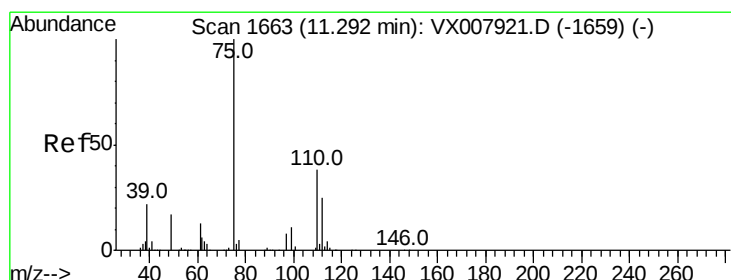
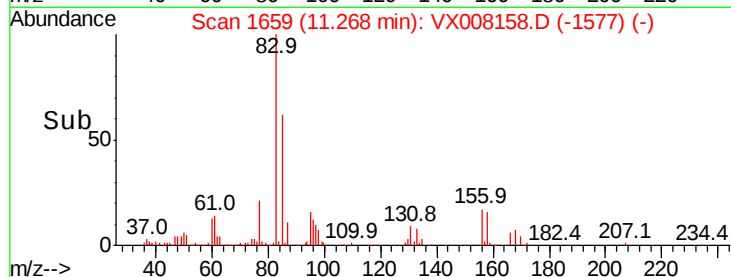
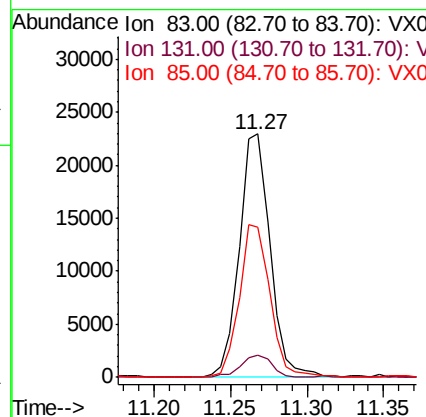
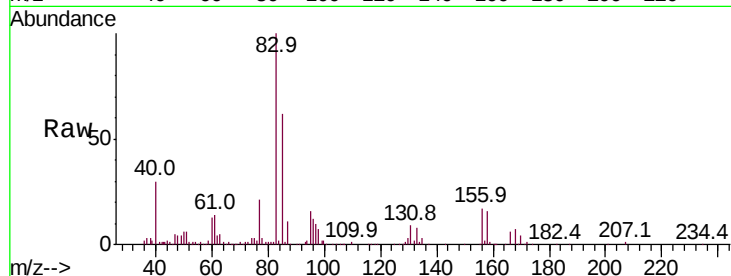
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32162
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.4	16.2
85	62.8	32.8	98.4

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#72

1,2,3-Trichloropropane

Concen: 6.475 ug/l m

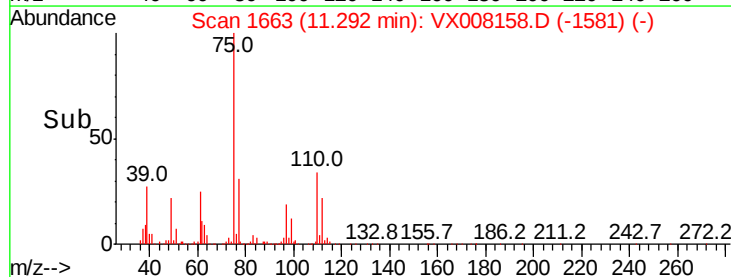
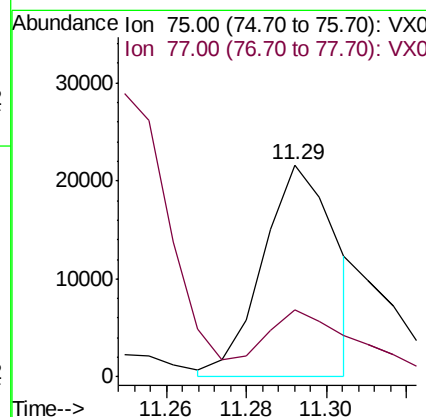
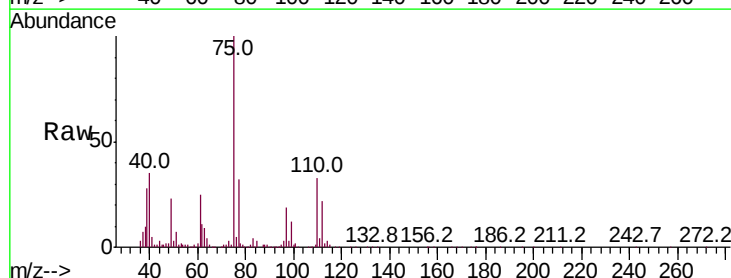
RT: 11.29 min Scan# 1663

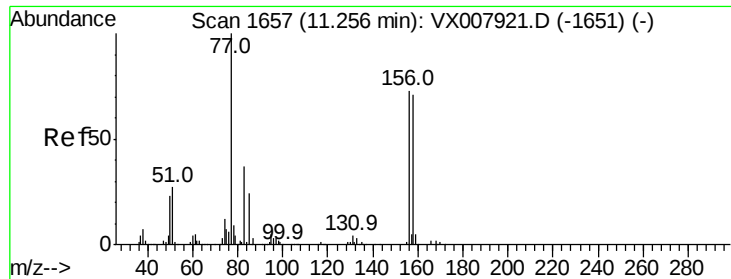
Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tgt Ion:	75	Resp:	27429
Ion Ratio	Lower	Upper	
75	100		
77	41.2	0.0	76.4





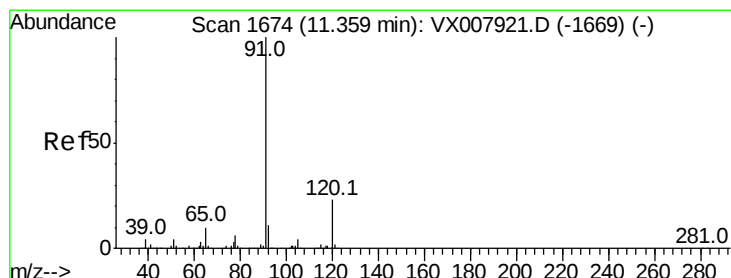
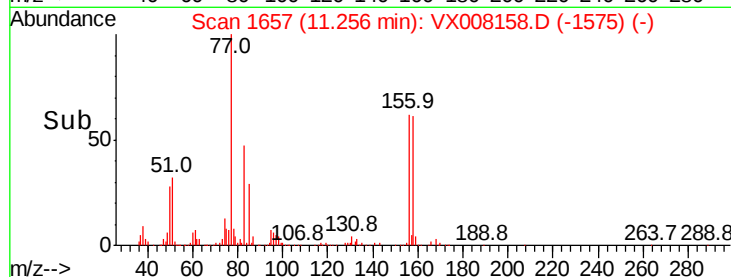
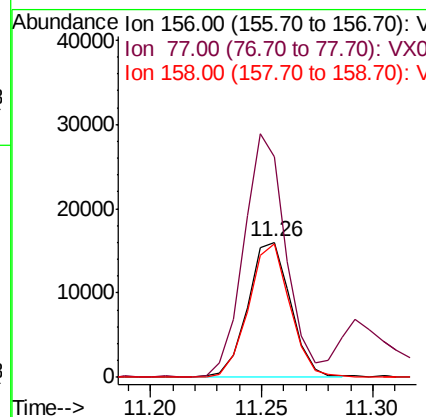
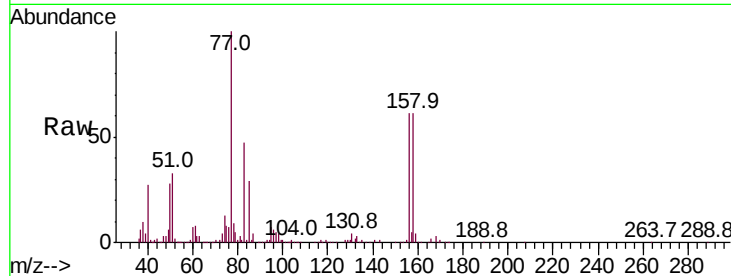
#73
Bromobenzene
Concen: 6.852 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.5	0.0	271.4
158	95.7	0.0	194.0

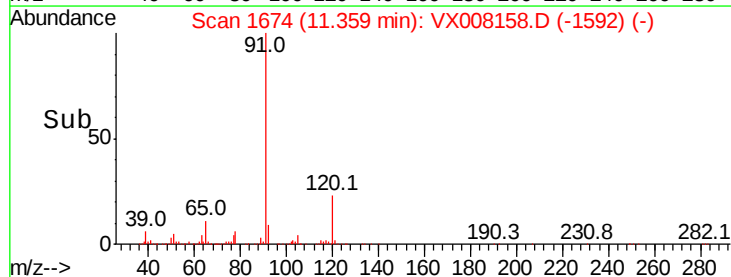
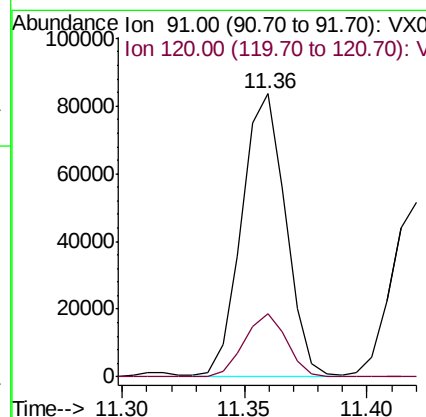
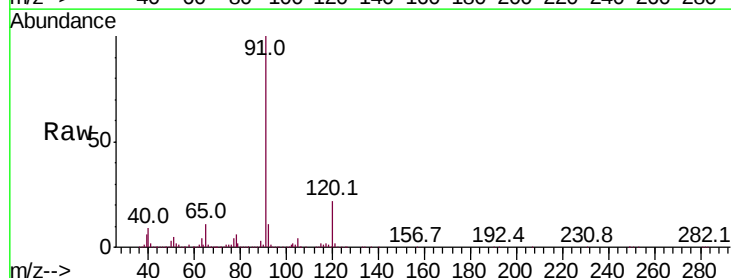
Manual Integrations
APPROVED

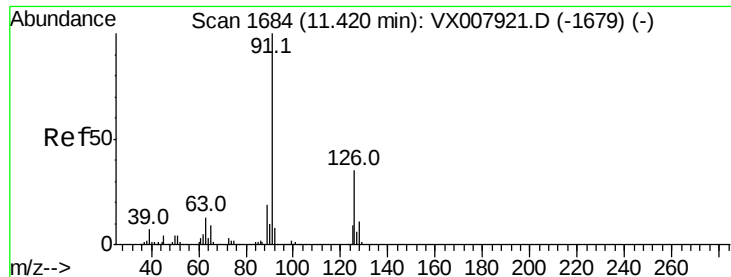
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#74
n-propylbenzene
Concen: 6.754 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 6.845 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 63652

Ion Ratio Lower Upper

91 100

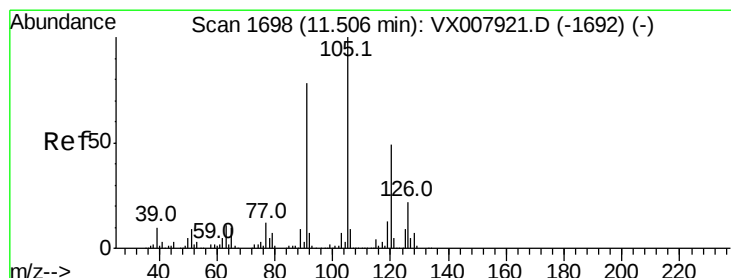
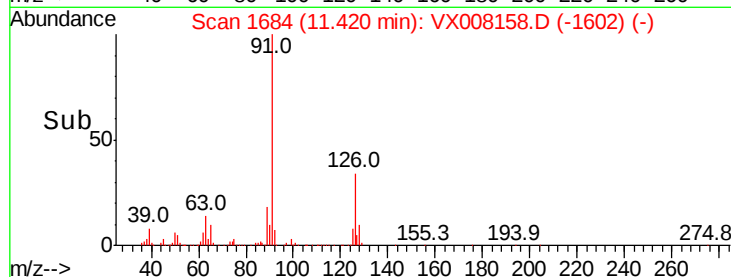
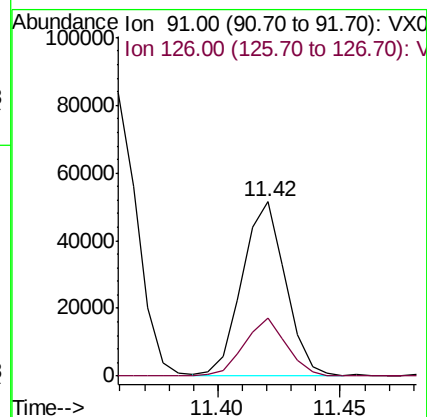
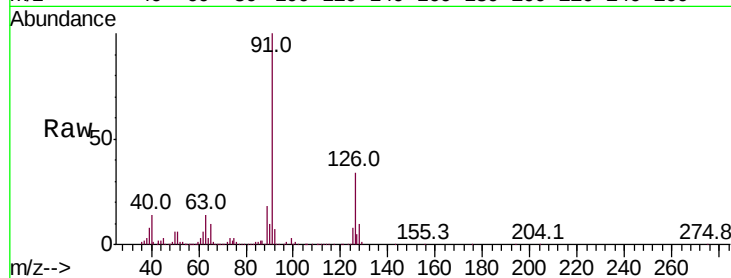
126 32.5 0.0 75.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 6.625 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008158.D

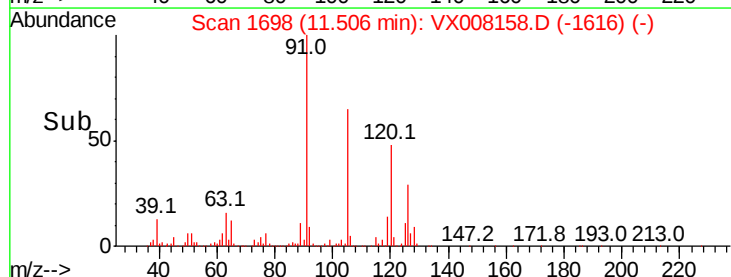
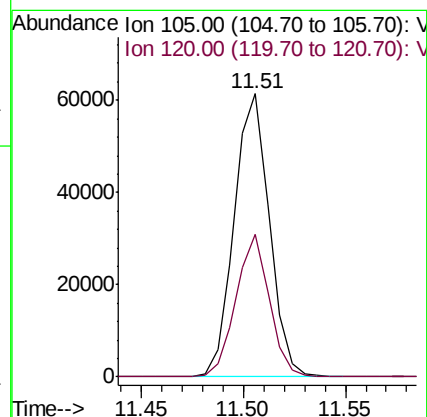
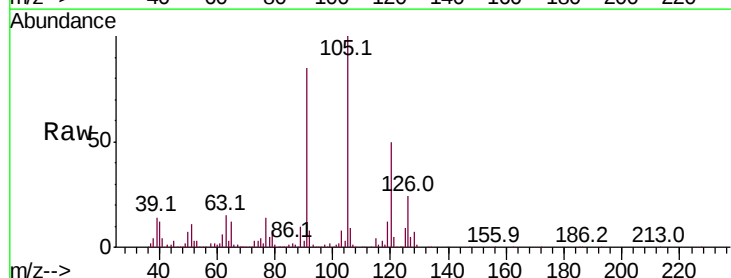
Acq: 18 Mar 2019 10:27

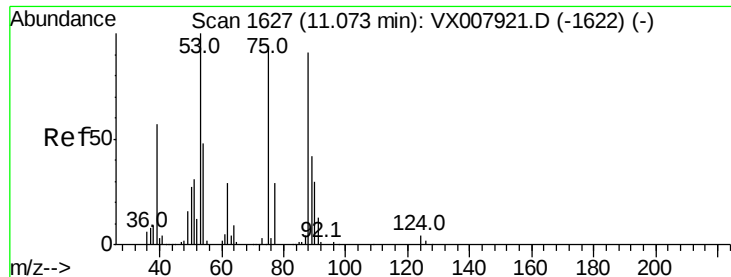
Tgt Ion: 105 Resp: 72603

Ion Ratio Lower Upper

105 100

120 48.2 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 5.700 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 7888

Ion Ratio Lower Upper

75 100

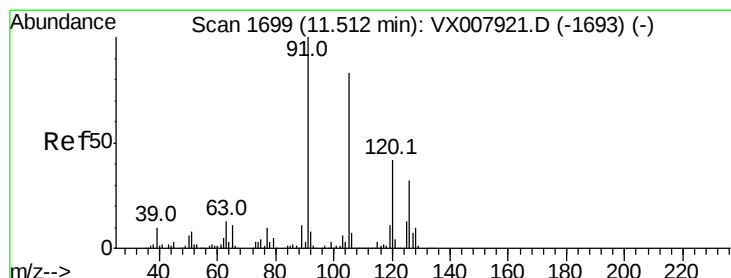
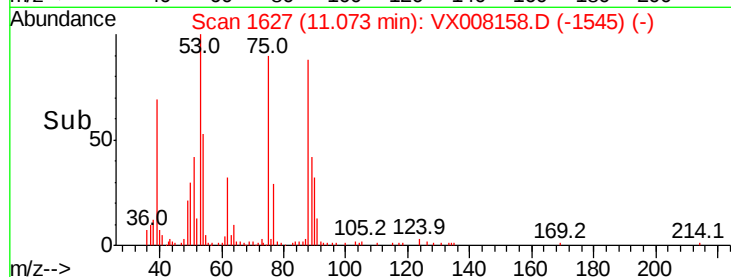
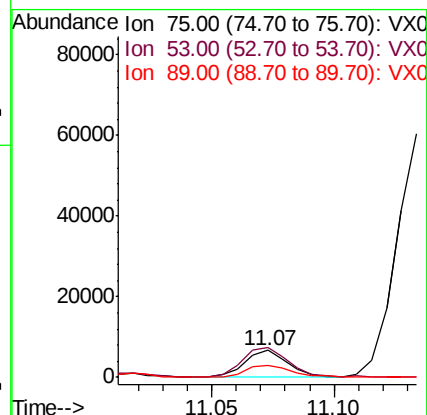
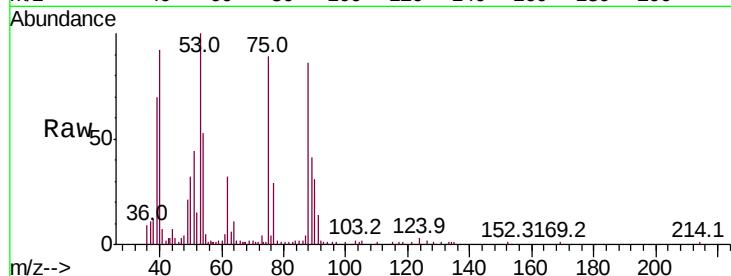
53 113.9 55.5 166.7

89 47.2 24.4 73.2

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#78

4-Chlorotoluene

Concen: 6.698 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008158.D

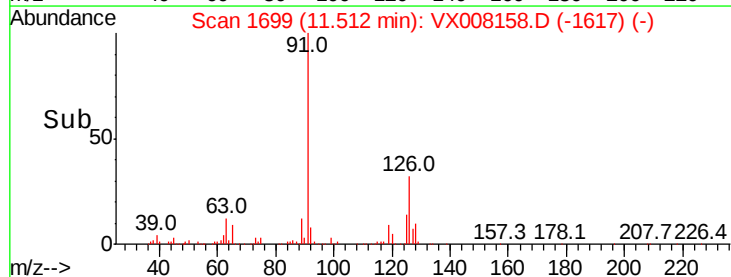
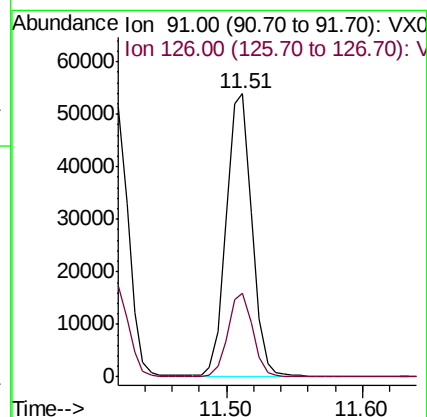
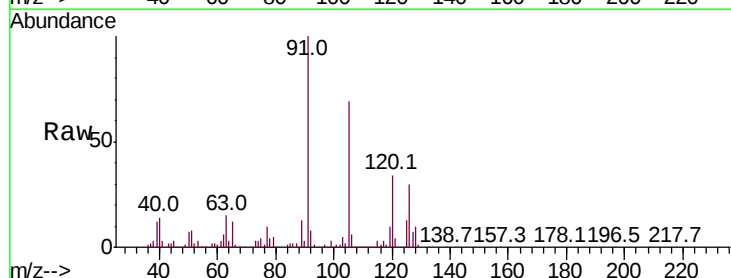
Acq: 18 Mar 2019 10:27

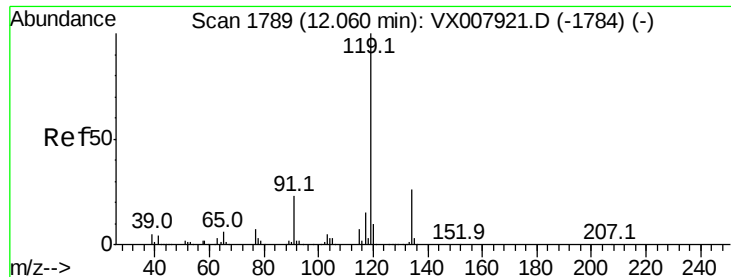
Tgt Ion: 91 Resp: 70559

Ion Ratio Lower Upper

91 100

126 28.5 0.0 66.2





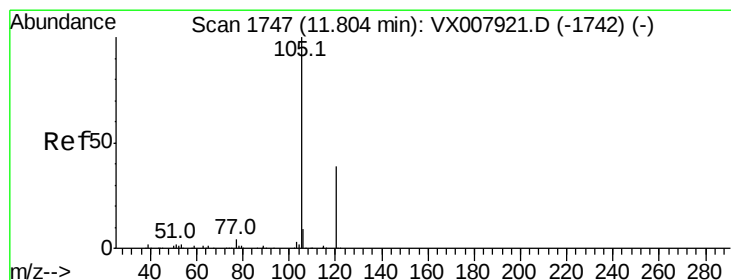
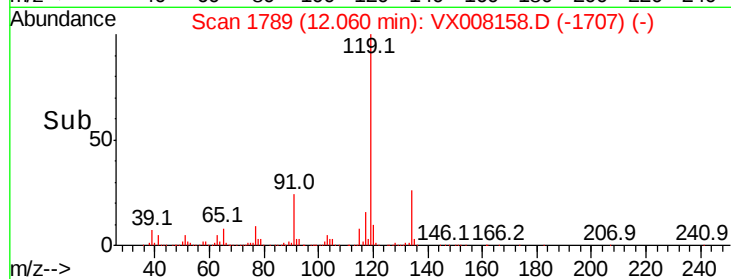
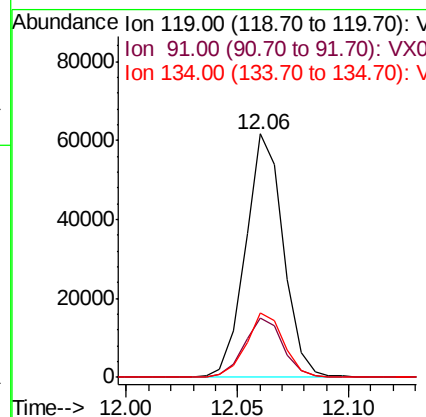
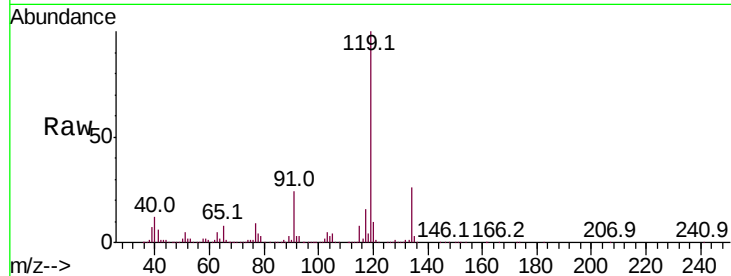
#79
tert-butylbenzene
Concen: 6.641 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	72842		
91	24.8	0.0	45.0	
134	26.2	0.0	55.4	

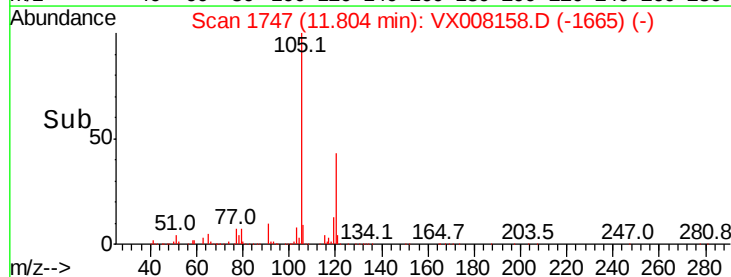
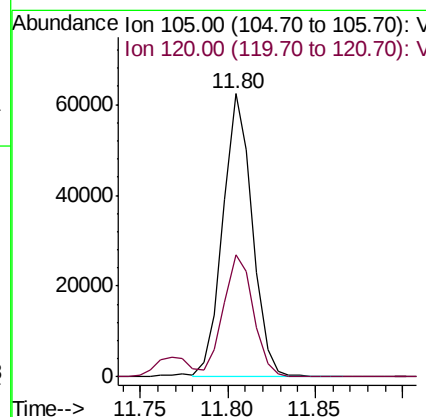
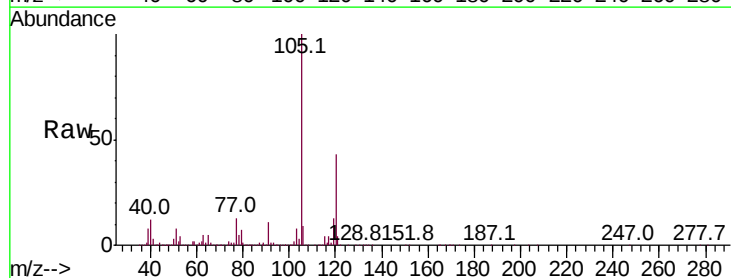
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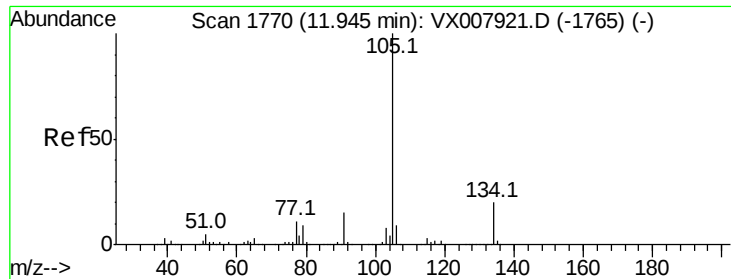
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#80
1,2,4-Trimethylbenzene
Concen: 6.632 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	73114		
120	43.6	0.0	94.0	





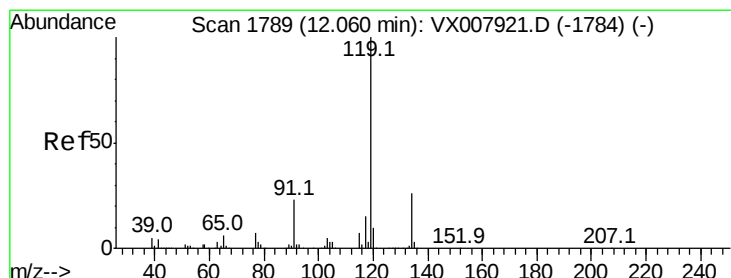
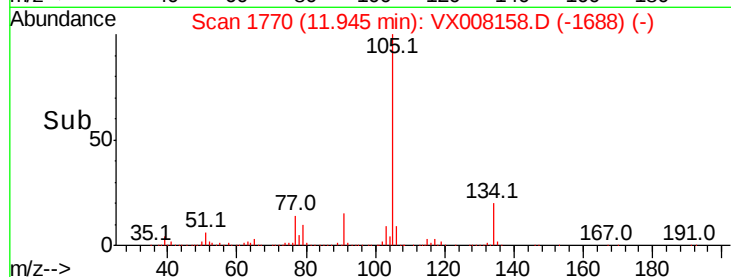
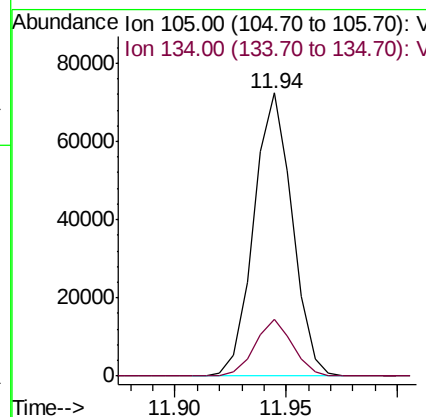
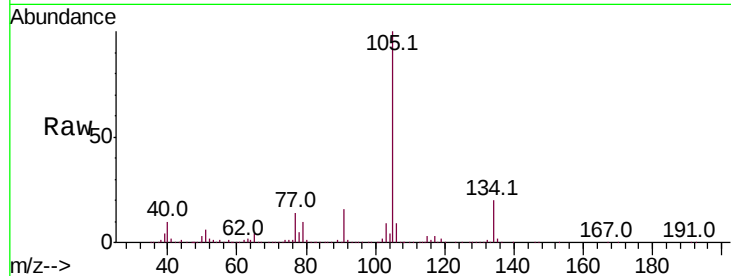
#81
 sec-Butylbenzene
 Concen: 6.698 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	87054		
134	19.5	0.0	41.8	

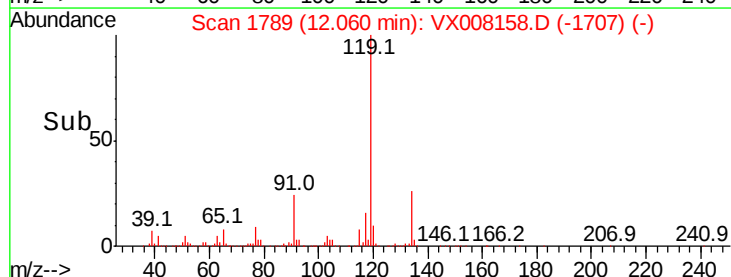
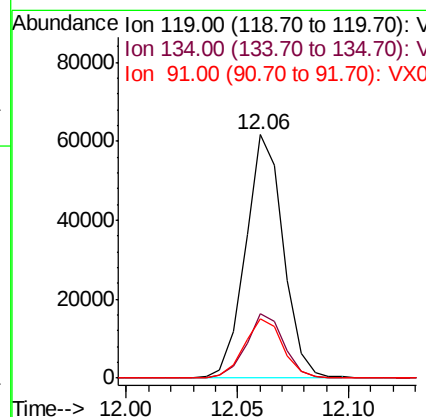
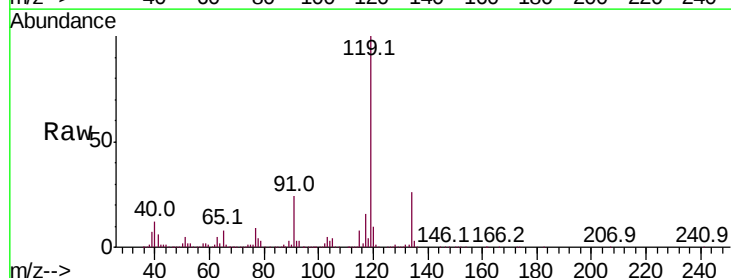
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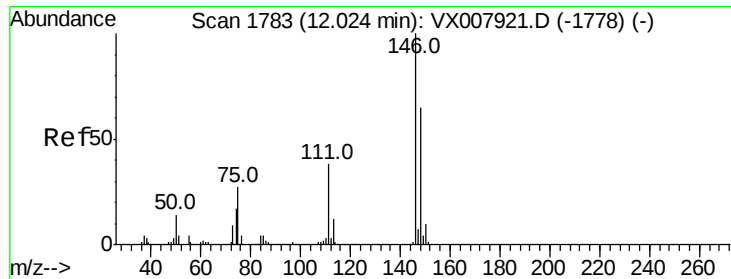
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 6.641 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	72842		
134	26.2	0.0	55.4	
91	24.8	0.0	45.0	





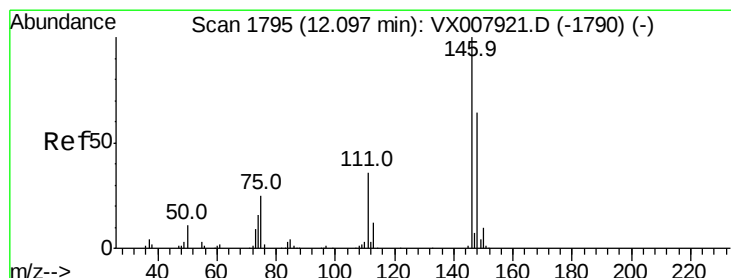
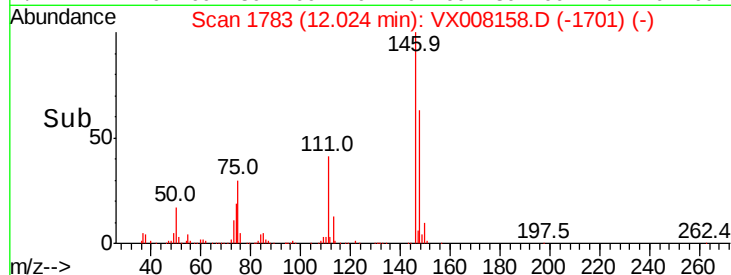
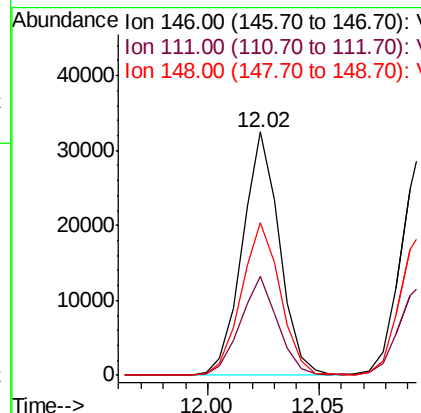
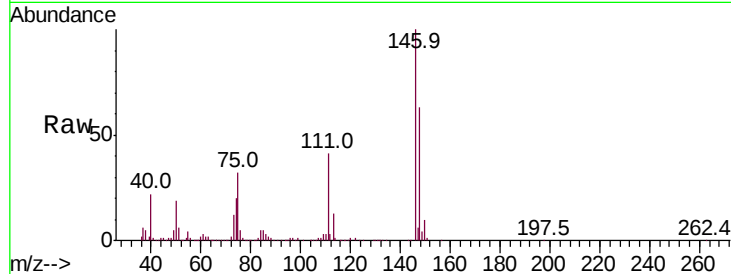
#83
 1,3-Dichlorobenzene
 Concen: 6.696 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.8	56.3
148	65.5	30.6	91.8

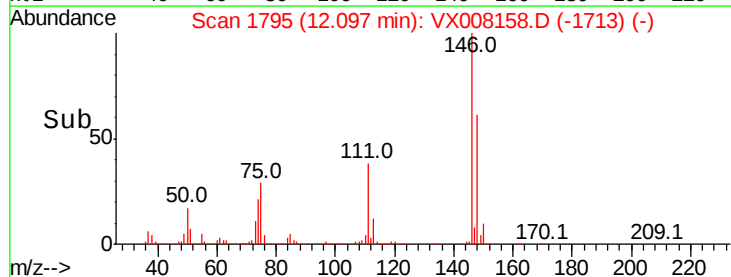
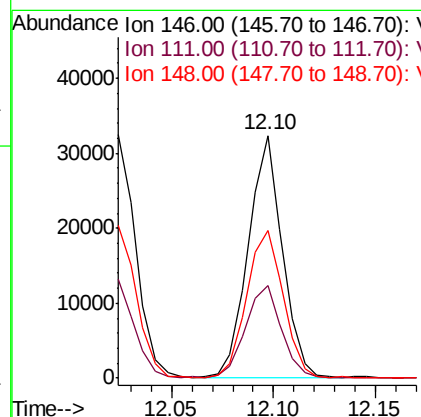
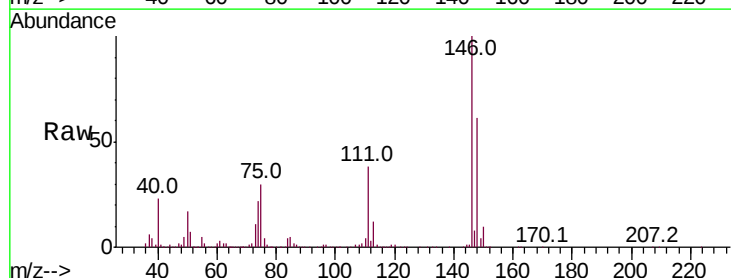
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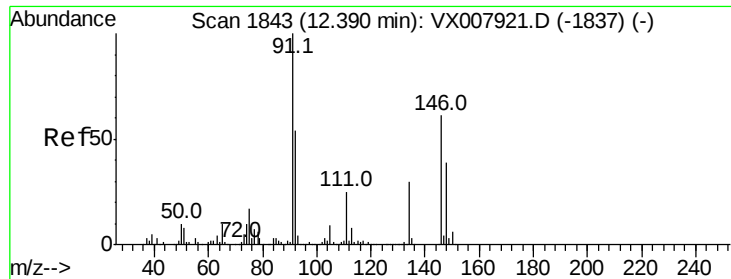
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#84
 1,4-Dichlorobenzene
 Concen: 6.905 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	17.6	52.8
148	65.1	31.4	94.2





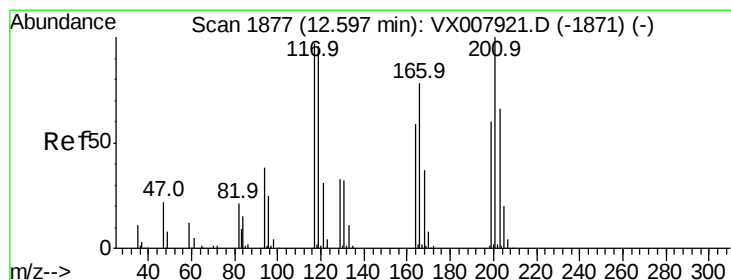
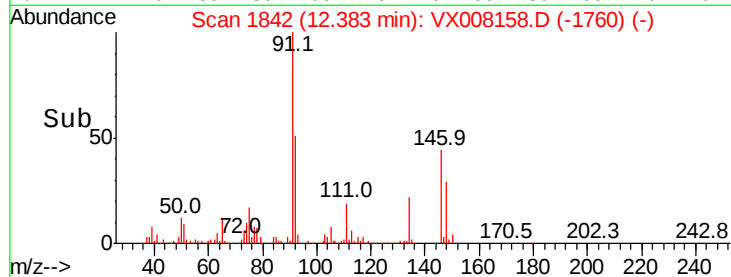
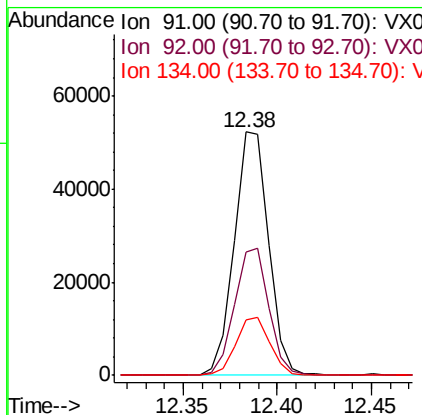
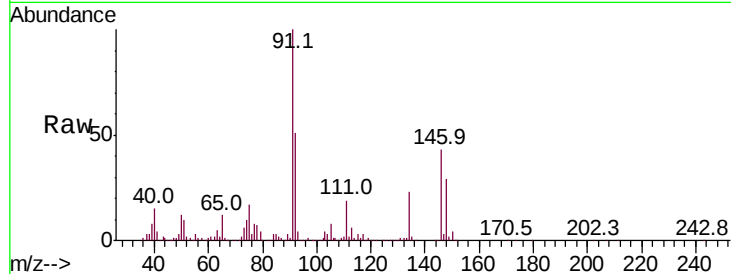
#85
n-Butylbenzene
Concen: 6.643 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
91	100	66051		
92	52.3		0.0	105.2
134	23.6		0.0	56.4

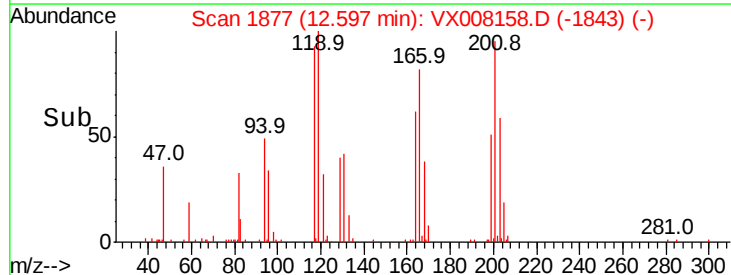
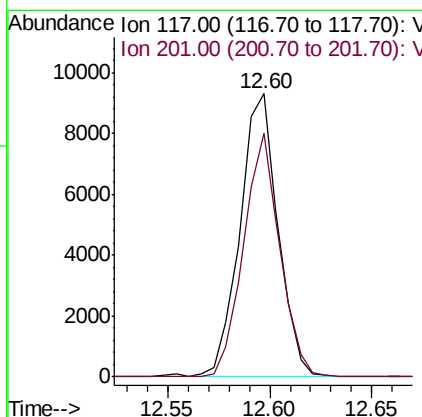
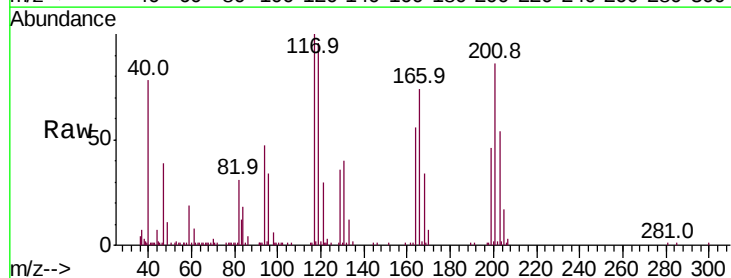
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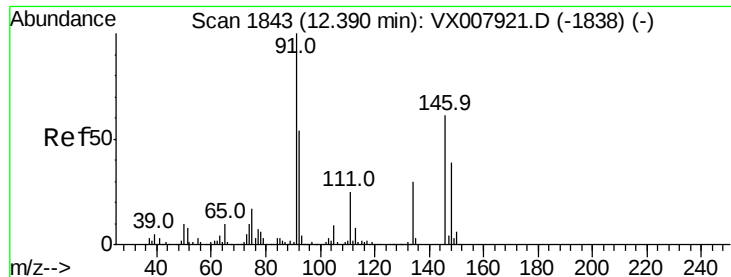
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#86
Hexachloroethane
Concen: 6.479 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	12012		
201	82.1		41.1	123.3





#87

1,2-Dichlorobenzene

Concen: 6.859 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Instrument :

MSVOA_X

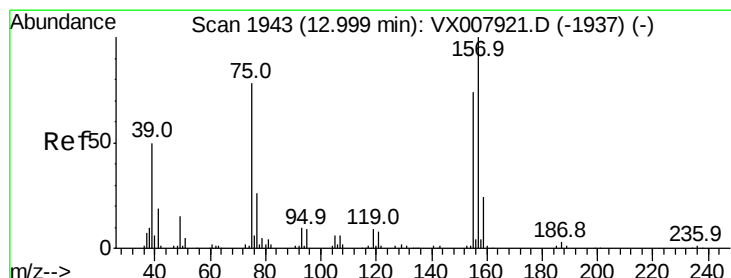
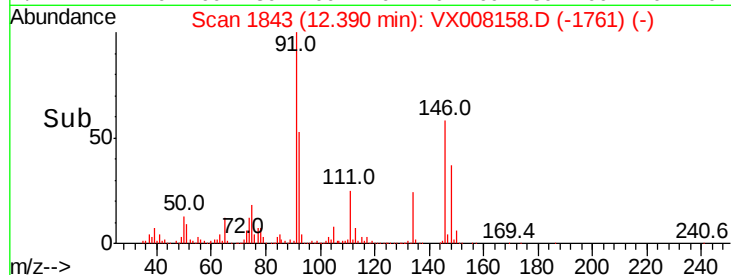
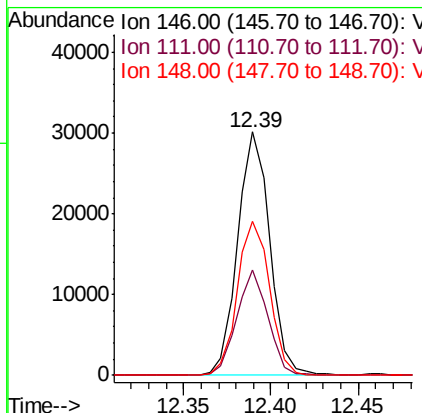
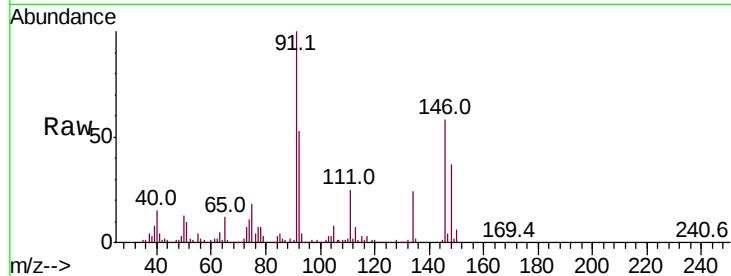
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	38459
Ion Ratio	Lower	Upper	
146	100		
111	42.2	19.3	57.8
148	63.7	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 6.087 ug/l

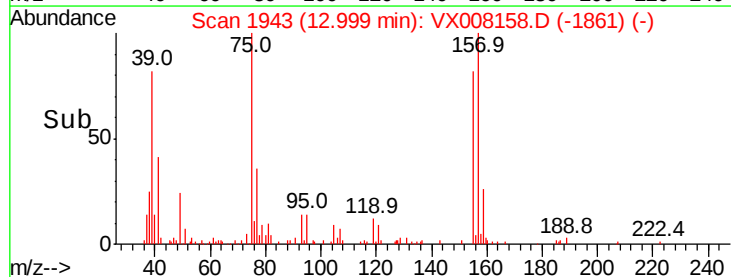
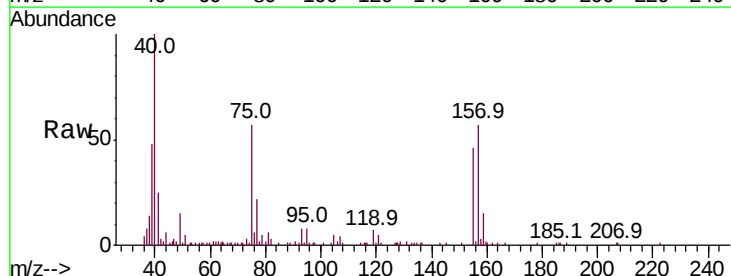
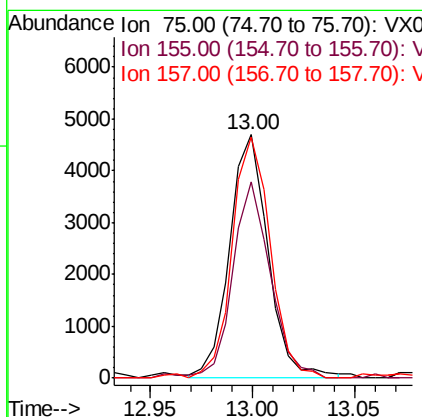
RT: 13.00 min Scan# 1943

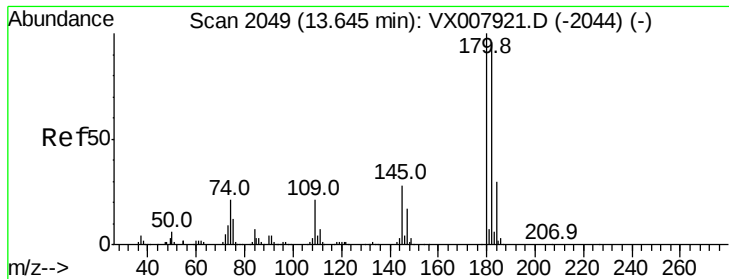
Delta R.T. -0.00 min

Lab File: VX008158.D

Acq: 18 Mar 2019 10:27

Tgt Ion:	75	Resp:	6155
Ion Ratio	Lower	Upper	
75	100		
155	78.7	81.0	121.6#
157	97.8	103.2	154.8#





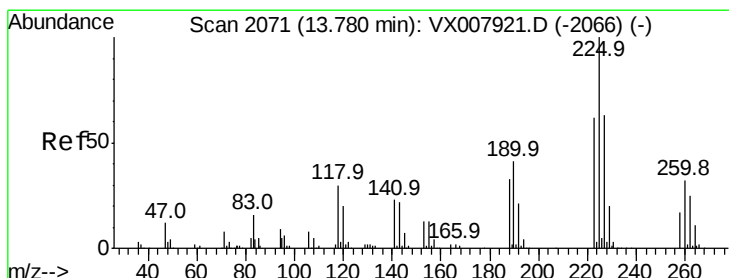
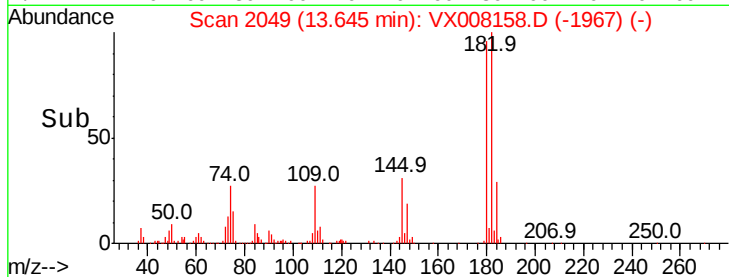
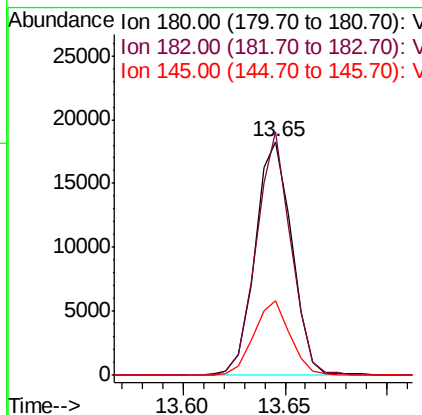
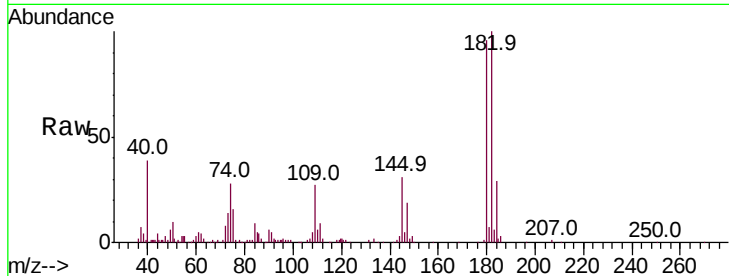
#89
 1,2,4-Trichlorobenzene
 Concen: 6.533 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	75.6	113.4
145	31.4	23.0	34.6

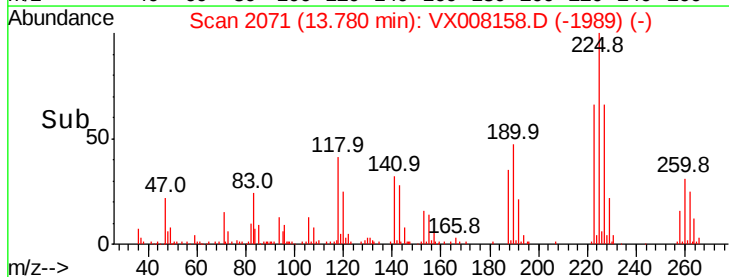
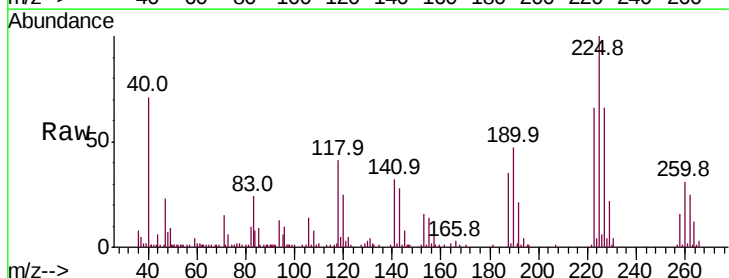
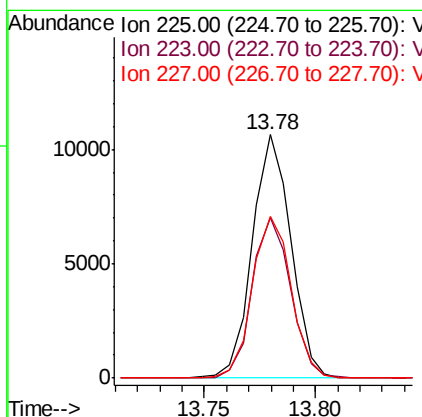
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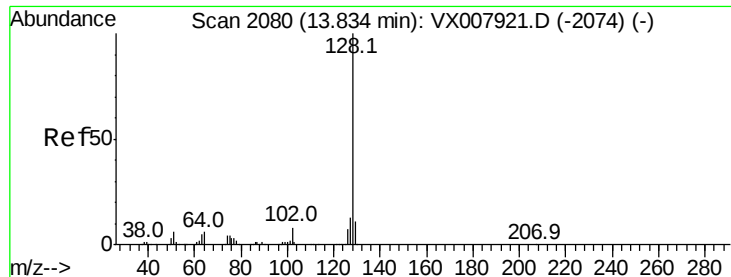
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#90
 Hexachlorobutadiene
 Concen: 7.141 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008158.D
 Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	0.0	123.8
227	66.6	0.0	124.4





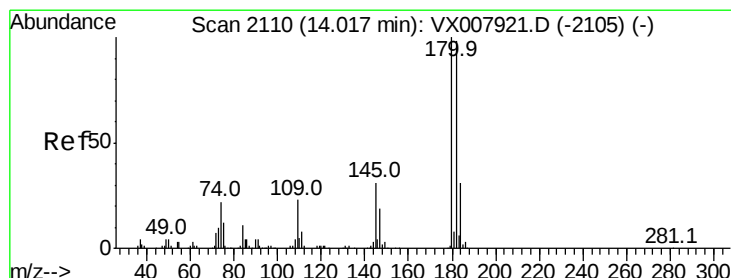
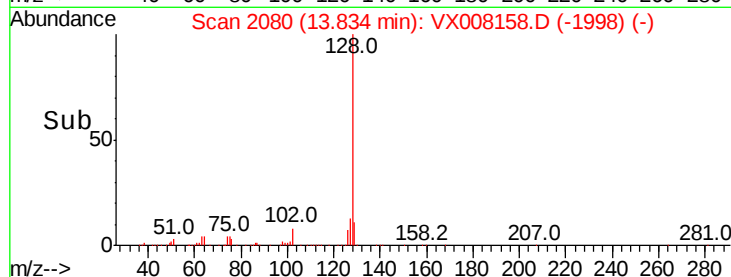
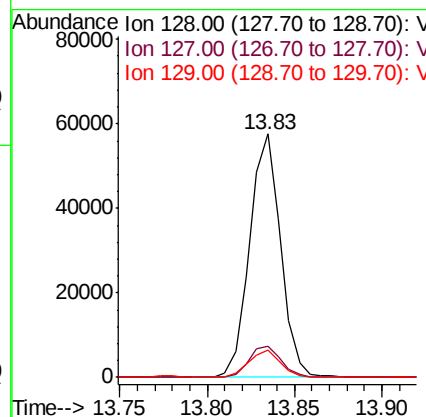
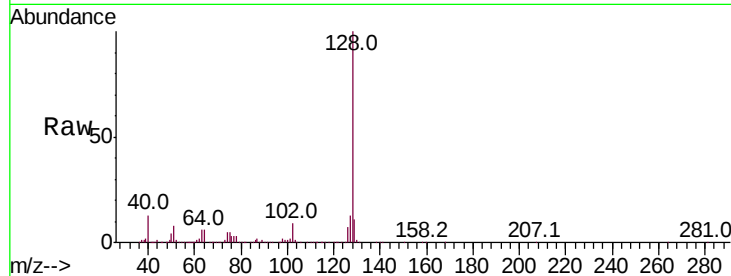
#91
Naphthalene
Concen: 6.142 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.4	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 6.709 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008158.D
Acq: 18 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	193.0
145	32.8	0.0	63.0

