

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008049.D
 Acq On : 13 Mar 2019 15:18
 Operator : JC/SP
 Sample : VX0313WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:18:01 AM

Quant Time: Mar 14 04:37:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148111	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	120722	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
35) Dibromofluoromethane	5.51	113	107330	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	8.71	98	403866	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.13	95	142625	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	34980	17.578	ug/l	99
3) Chloromethane	1.33	50	45774	17.849	ug/l	99
4) Vinyl Chloride	1.41	62	48039	18.853	ug/l	98
5) Bromomethane	1.64	94	25657	20.798	ug/l	99
6) Chloroethane	1.73	64	27501	16.246	ug/l	99
7) Trichlorofluoromethane	1.93	101	55959	16.867	ug/l	98
8) Diethyl Ether	2.19	74	24969	17.380	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	35714	17.372	ug/l	99
10) Methyl Iodide	2.51	142	54023	18.523	ug/l	97
11) Tert butyl alcohol	3.07	59	46652	84.900	ug/l	100
12) 1,1-Dichloroethene	2.38	96	34685	17.502	ug/l	92
13) Acrolein	2.30	56	19775	64.742	ug/l	99
14) Allyl chloride	2.73	41	65048	15.621	ug/l	99
15) Acrylonitrile	3.15	53	114859	82.813	ug/l	99
16) Acetone	2.45	43	93748	65.918	ug/l	98
17) Carbon Disulfide	2.57	76	96831	15.783	ug/l	100
18) Methyl Acetate	2.78	43	53367	17.663	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	123570	18.125	ug/l	98
20) Methylene Chloride	2.86	84	38949	17.208	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	37965	17.411	ug/l	94
22) Diisopropyl ether	3.87	45	144487	18.928	ug/l	98
23) Vinyl Acetate	3.82	43	593151	88.610	ug/l	99
24) 1,1-Dichloroethane	3.70	63	74770	18.201	ug/l	97
25) 2-Butanone	4.70	43	174059	86.448	ug/l	97
26) 2,2-Dichloropropane	4.59	77	47544	17.469	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	47259	18.940	ug/l	98
28) Bromochloromethane	5.02	49	36753	19.191	ug/l	97
29) Tetrahydrofuran	5.15	42	116992	93.152	ug/l	99
30) Chloroform	5.21	83	75195	19.351	ug/l	99
31) Cyclohexane	5.58	56	69540	18.419	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	62071	19.252	ug/l	98
36) 1,1-Dichloropropene	5.80	75	56266	18.376	ug/l	99
37) Ethyl Acetate	4.85	43	66209	18.221	ug/l	99
38) Carbon Tetrachloride	5.78	117	53125	18.276	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67057	18.074	ug/l	98
40) Benzene	6.15	78	176283	19.339	ug/l	98
41) Methacrylonitrile	5.06	41	37357	18.857	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56779	19.047	ug/l	100
43) Isopropyl Acetate	6.46	43	101424	18.861	ug/l	99
44) Trichloroethene	7.21	130	48705	19.388	ug/l	99
45) 1,2-Dichloropropane	7.52	63	47477	19.720	ug/l	100
46) Dibromomethane	7.66	93	29416	19.306	ug/l	100
47) Bromodichloromethane	7.90	83	53502	18.521	ug/l	98
48) Methyl methacrylate	7.77	41	53360	18.873	ug/l	97
49) 1,4-Dioxane	7.75	88	21418	368.774	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	335970	97.148	ug/l	99
52) Toluene	8.79	92	108245	19.450	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	55718	18.480	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	65013	19.094	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45150	20.041	ug/l	99
56) Ethyl methacrylate	9.18	69	67680	20.008	ug/l	98
57) 1,3-Dichloropropane	9.37	76	74485	19.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	192234	109.865	ug/l	99
59) 2-Hexanone	9.49	43	251951	93.838	ug/l	100
60) Dibromochloromethane	9.58	129	43442	18.448	ug/l	99
61) 1,2-Dibromoethane	9.67	107	46693	19.521	ug/l	100
64) Tetrachloroethene	9.34	164	48418	19.484	ug/l	97
65) Chlorobenzene	10.14	112	119676	19.072	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	42920	19.084	ug/l	98
67) Ethyl Benzene	10.25	91	200149	19.377	ug/l	99
68) m/p-Xylenes	10.36	106	152599	38.327	ug/l	100
69) o-Xylene	10.69	106	73919	19.230	ug/l	99
70) Styrene	10.71	104	122159	19.421	ug/l	100
71) Bromoform	10.85	173	33682	17.439	ug/l #	99
73) Isopropylbenzene	11.02	105	199229	19.889	ug/l	100
74) N-amyl acetate	10.90	43	84711	18.524	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	65819	19.049	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	62950m	20.254	ug/l	
77) Bromobenzene	11.26	156	53549	19.499	ug/l	98
78) n-propylbenzene	11.36	91	217753	19.595	ug/l	99
79) 2-Chlorotoluene	11.42	91	132028	19.431	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	164549	19.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	16996	17.480	ug/l	95
82) 4-Chlorotoluene	11.51	91	149359	19.182	ug/l	99
83) tert-Butylbenzene	11.77	119	159793	19.241	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	168707	19.961	ug/l	99
85) sec-Butylbenzene	11.94	105	193625	19.796	ug/l	100
86) p-Isopropyltoluene	12.06	119	171621	19.593	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	91918	18.919	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	93152	18.722	ug/l	99
89) n-Butylbenzene	12.38	91	138986	18.728	ug/l	99
90) Hexachloroethane	12.60	117	27286	18.631	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	93314	19.333	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12981	17.976	ug/l	99

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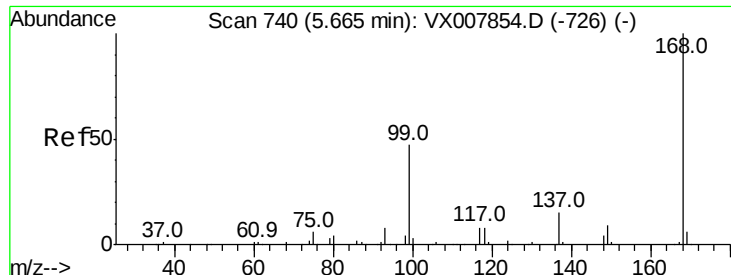
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	63046	18.594	ug/l	100
94) Hexachlorobutadiene	13.78	225	34502	19.463	ug/l	99
95) Naphthalene	13.83	128	188278	19.271	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	64218	19.012	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion:168 Resp: 232922

Ion Ratio Lower Upper

168 100

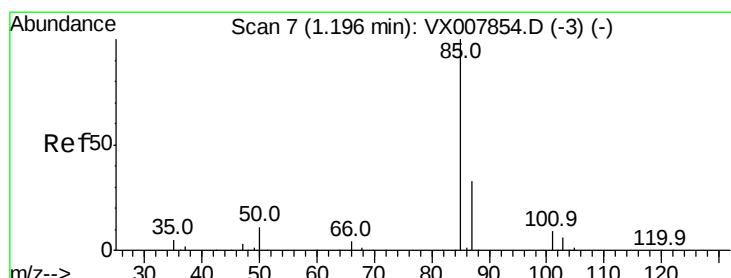
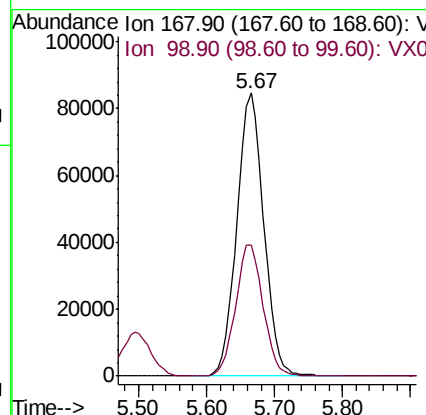
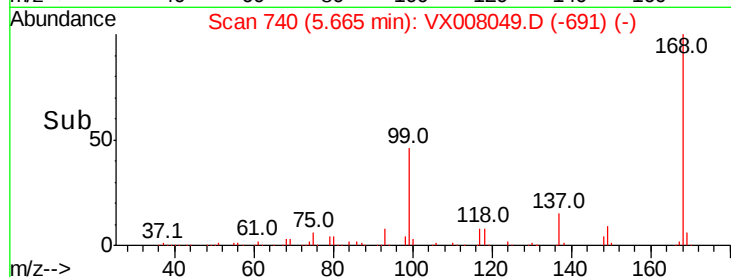
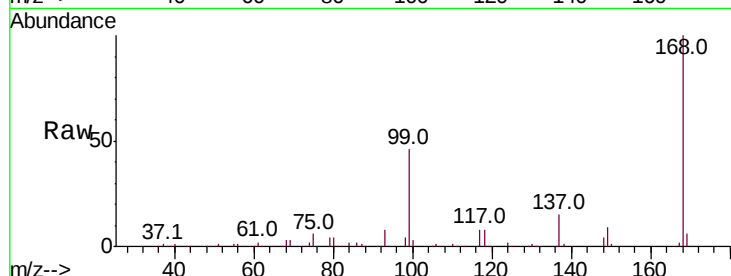
99 46.0 37.6 56.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.578 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008049.D

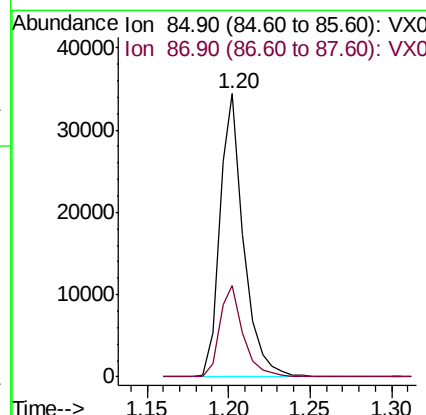
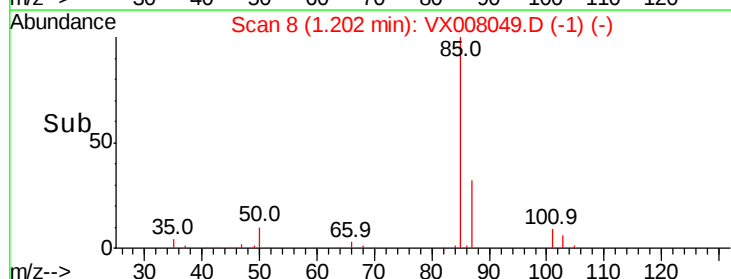
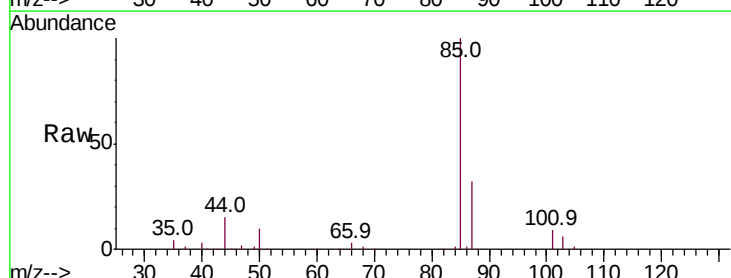
Acq: 13 Mar 2019 15:18

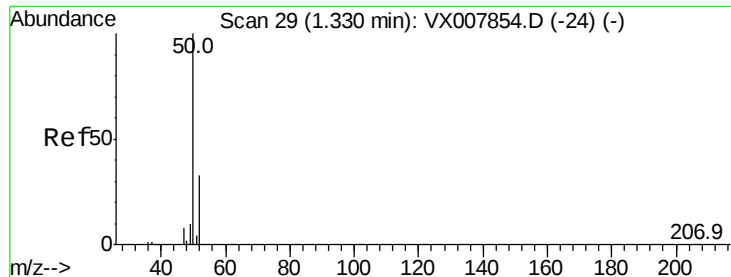
Tgt Ion: 85 Resp: 34980

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1





#3

Chloromethane

Concen: 17.849 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 50 Resp: 45774

Ion Ratio Lower Upper

50 100

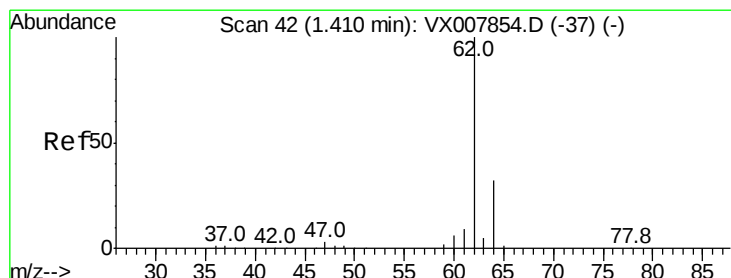
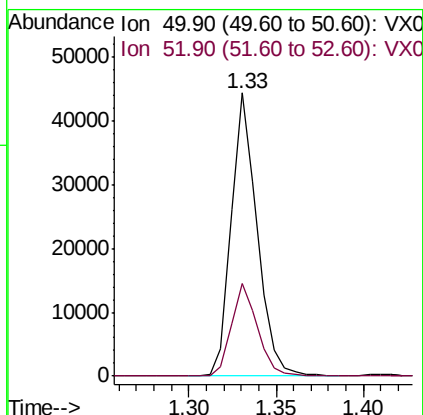
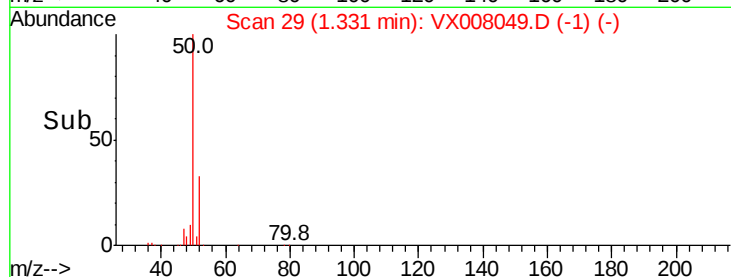
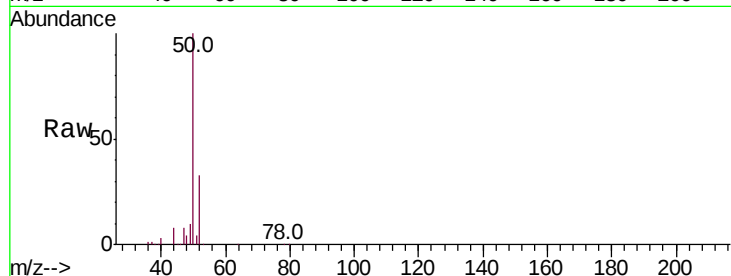
52 32.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.853 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008049.D

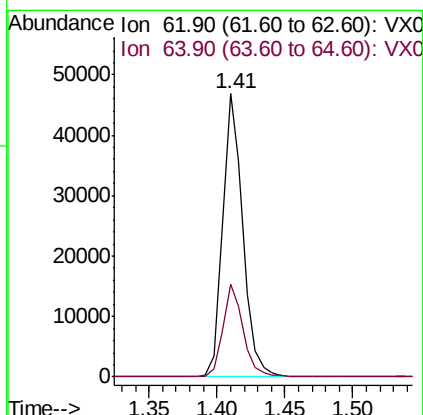
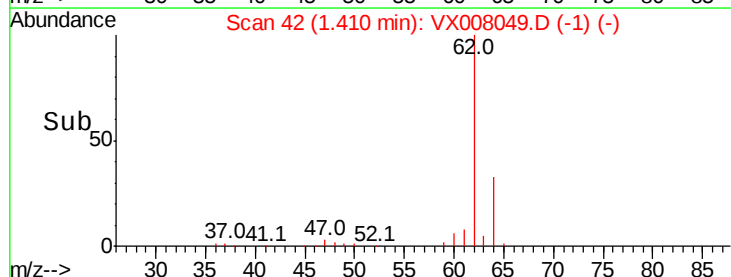
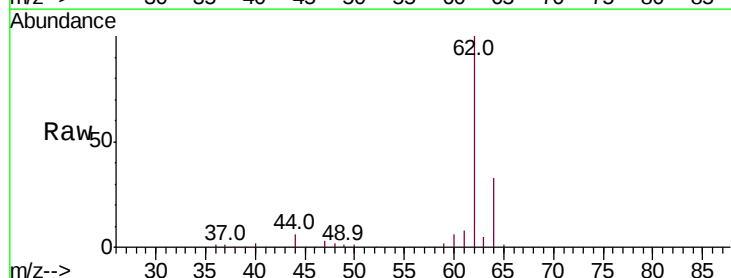
Acq: 13 Mar 2019 15:18

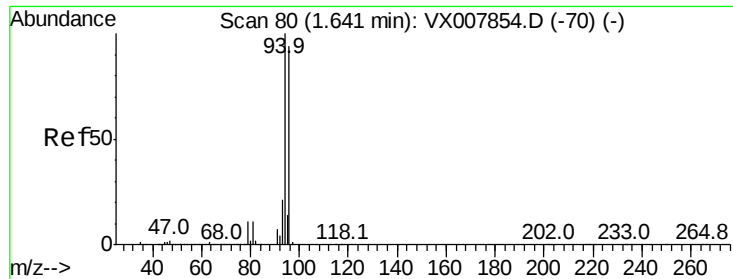
Tgt Ion: 62 Resp: 48039

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 20.798 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 94 Resp: 25657

Ion Ratio Lower Upper

94 100

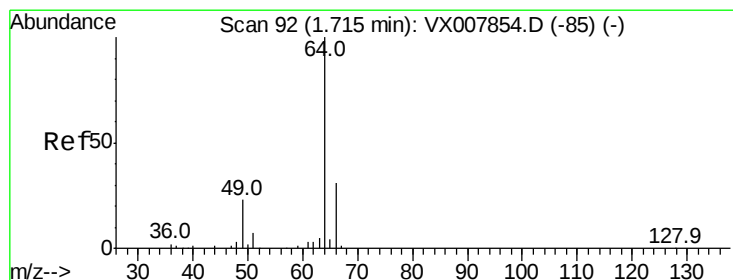
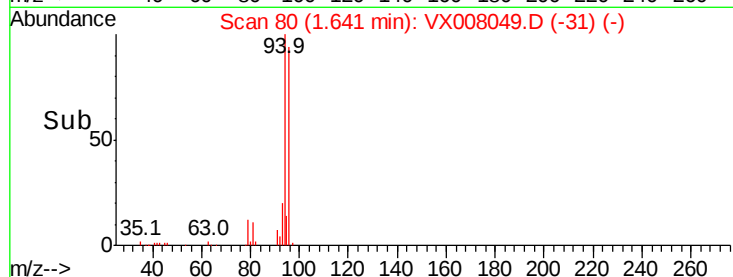
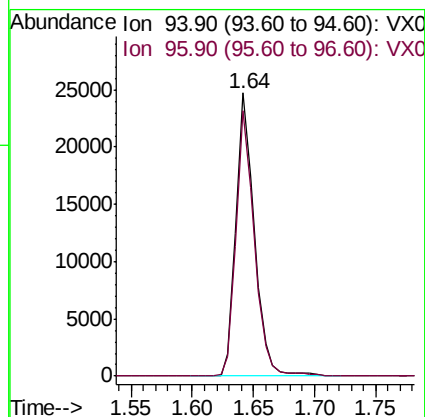
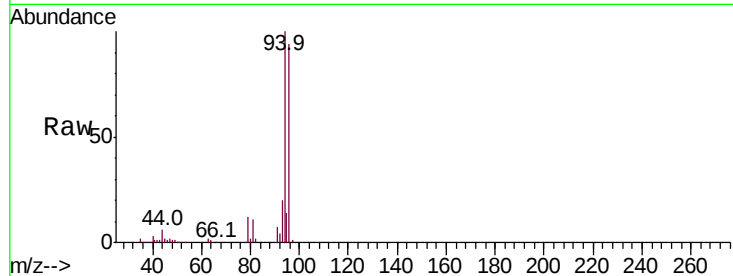
96 93.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 16.246 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008049.D

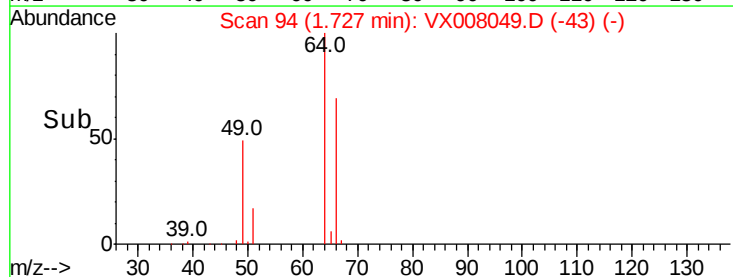
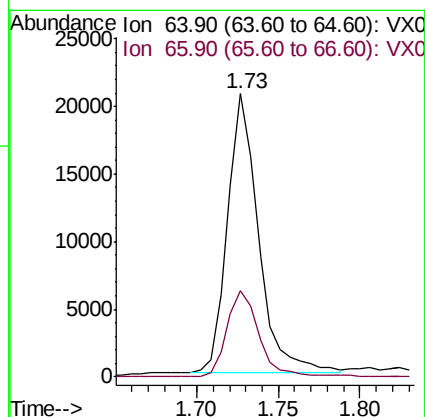
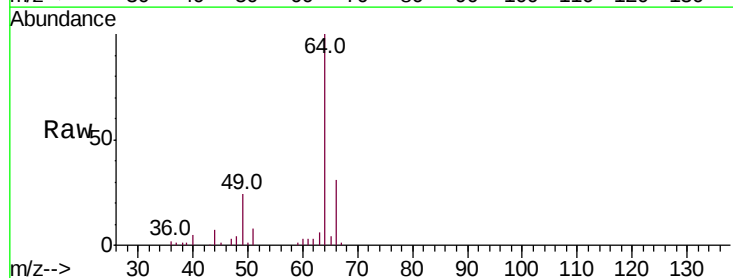
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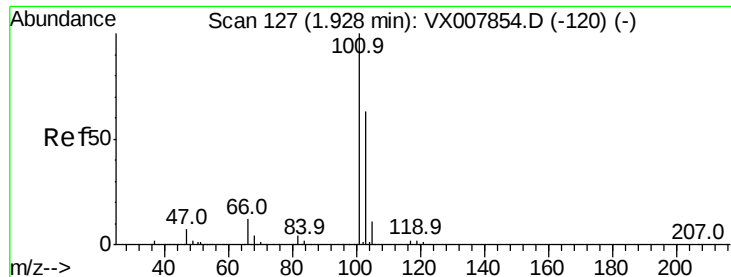
Tgt Ion: 64 Resp: 27501

Ion Ratio Lower Upper

64 100

66 30.9 25.2 37.8





#7

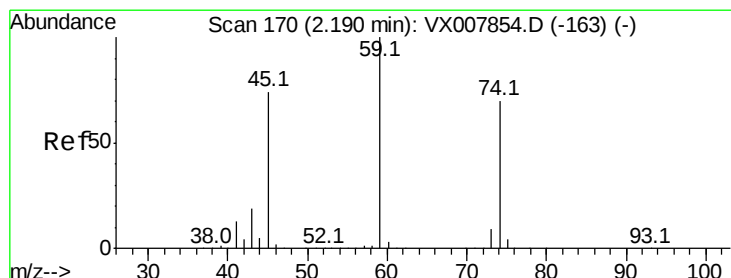
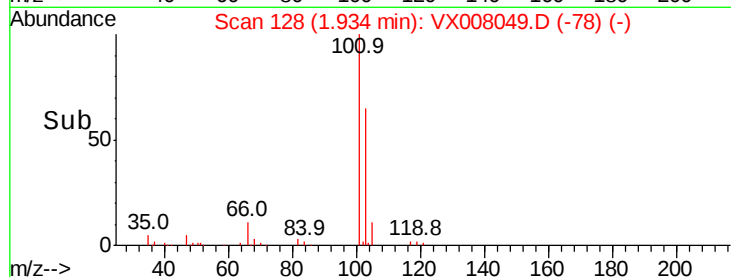
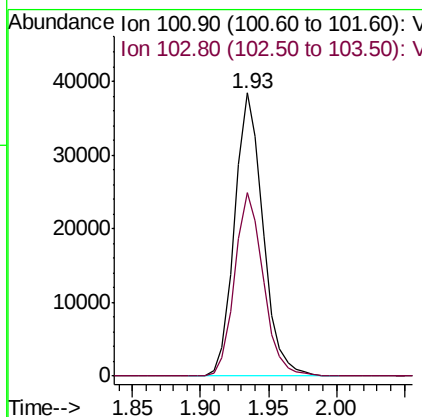
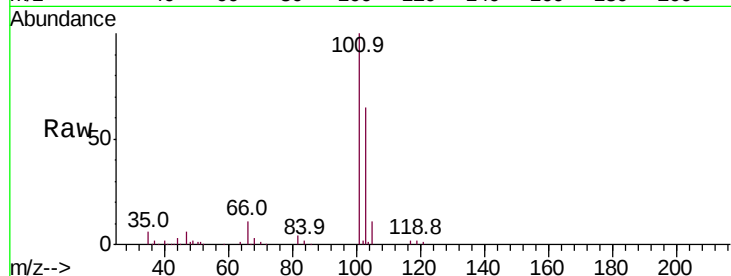
Trichlorofluoromethane
Concen: 16.867 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion:101 Resp: 55959
Ion Ratio Lower Upper
101 100
103 64.8 50.4 75.6

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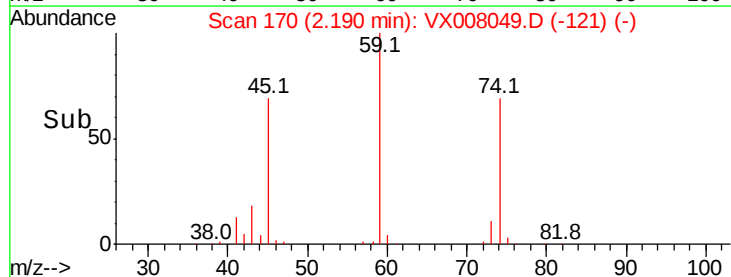
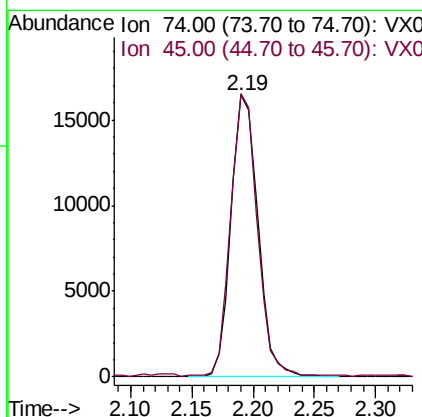
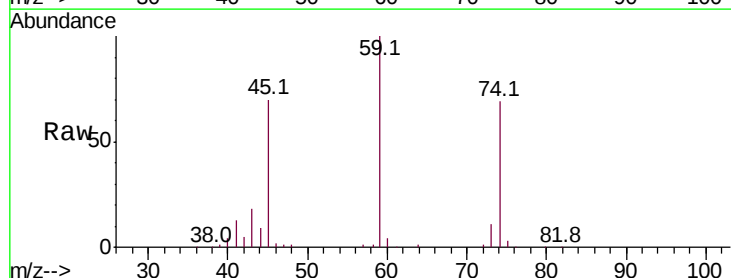
MMDadoda
3/14/2019 10:18:01 AM

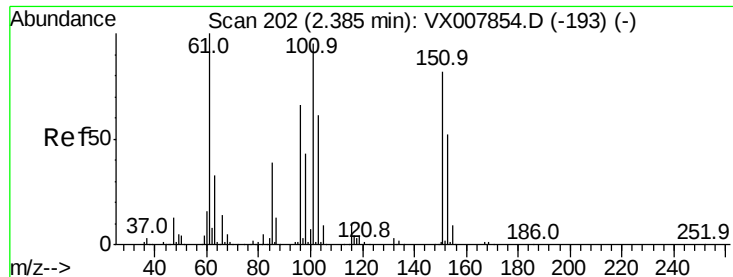


#8

Diethyl Ether
Concen: 17.380 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion: 74 Resp: 24969
Ion Ratio Lower Upper
74 100
45 98.5 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.372 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

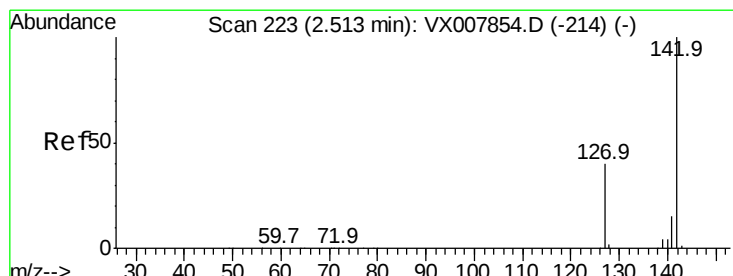
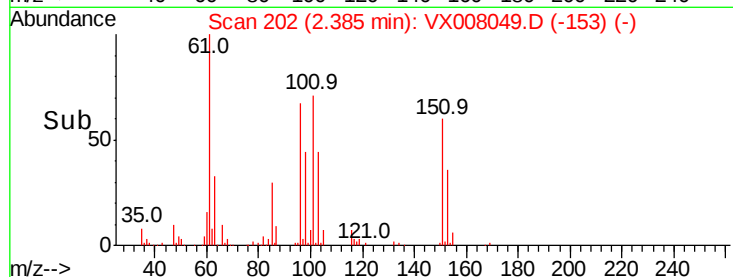
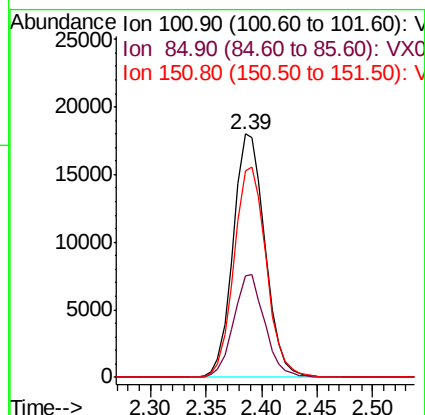
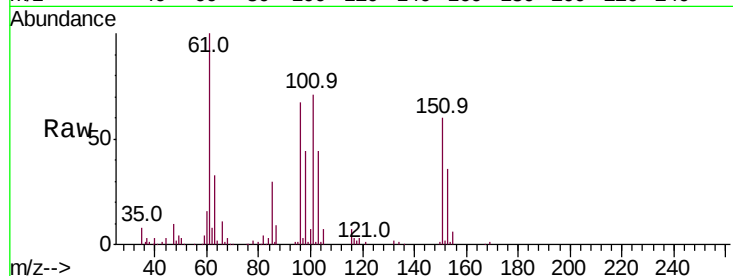
ClientSampleId :

VX0313WBSD01

Tot Ion:	101	Resp:	35714
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.8	50.6
151	87.2	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.523 ug/l

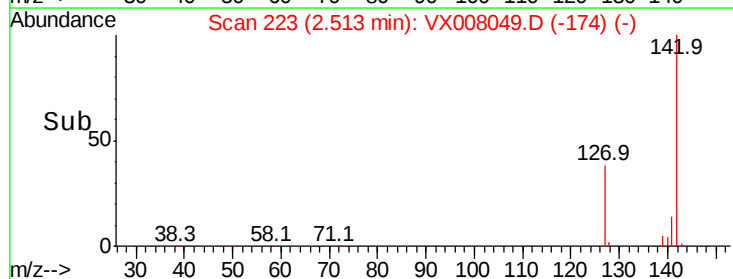
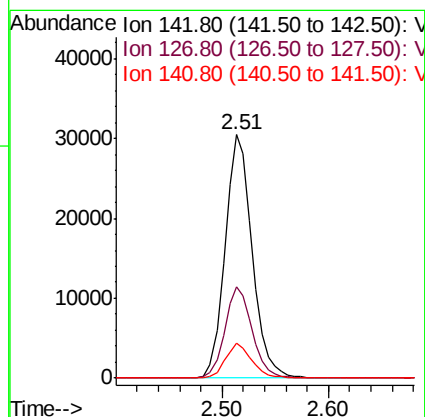
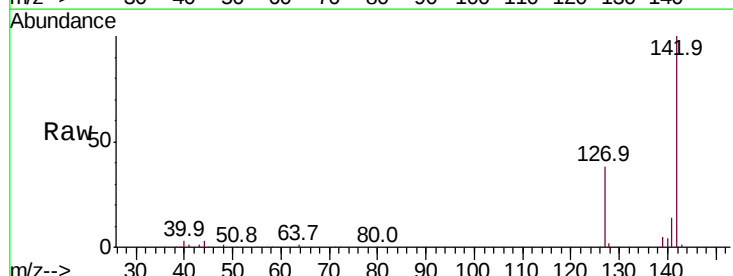
RT: 2.51 min Scan# 223

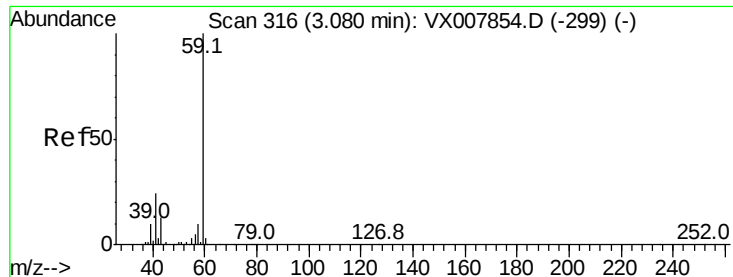
Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	142	Resp:	54023
Ion Ratio	Lower	Upper	
142	100		
127	37.6	32.1	48.1
141	14.1	11.4	17.2





#11

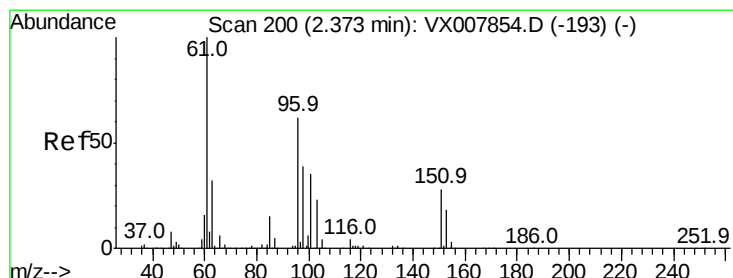
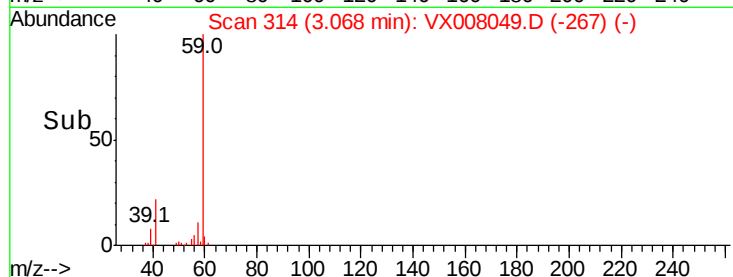
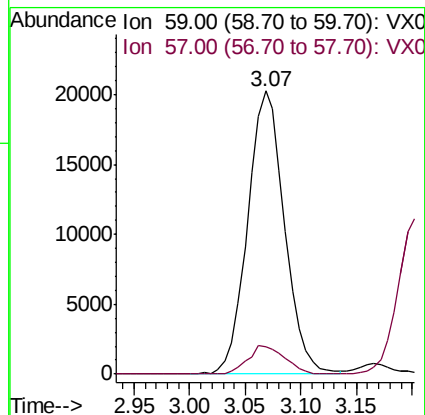
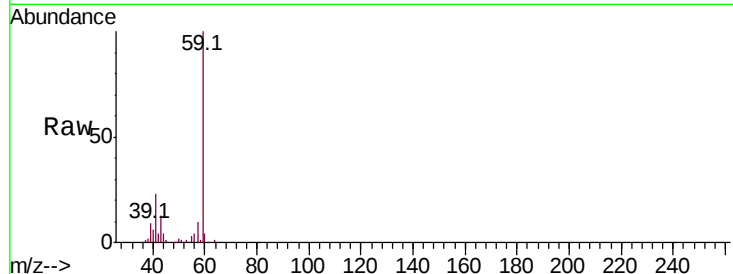
Tert butyl alcohol
 Concen: 84.900 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX008049.D
 Acq: 13 Mar 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
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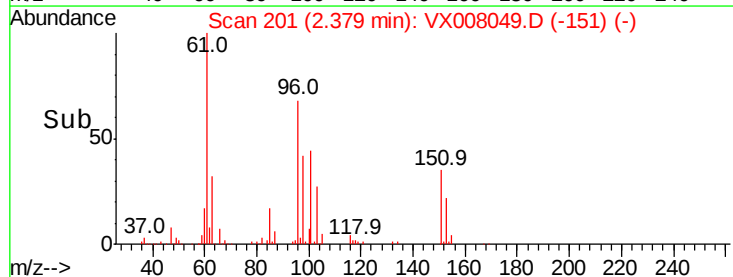
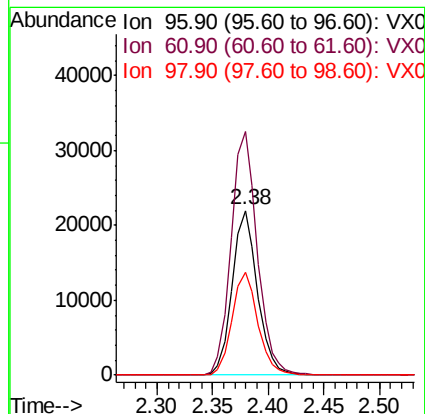
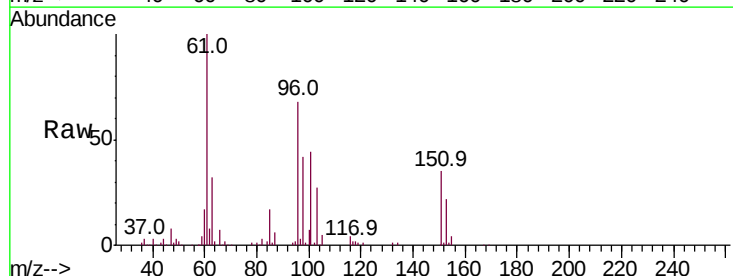
MMDadoda
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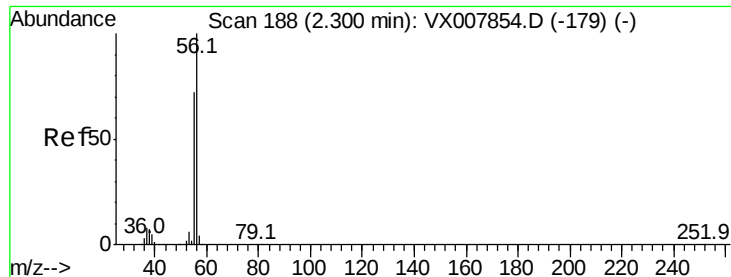


#12

1,1-Dichloroethene
 Concen: 17.502 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX008049.D
 Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.0	129.8	194.6
98	62.7	51.0	76.6





#13

Acrolein

Concen: 64.742 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 56 Resp: 19775

Ion Ratio Lower Upper

56 100

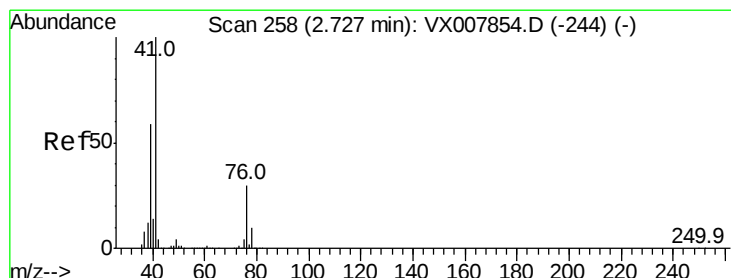
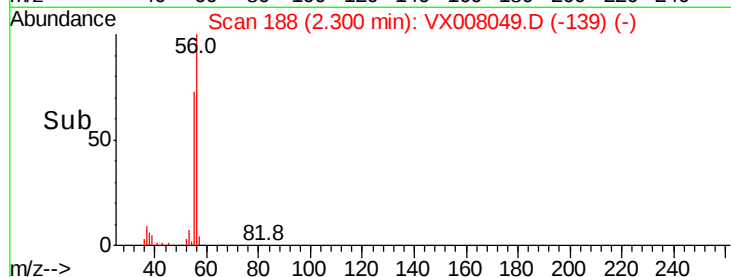
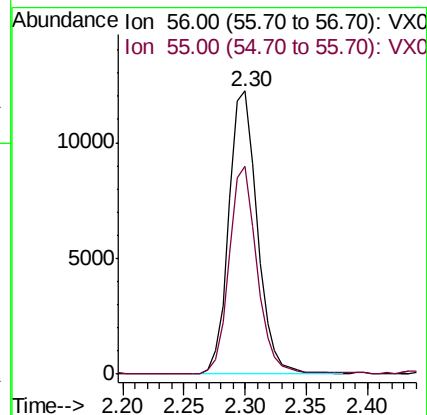
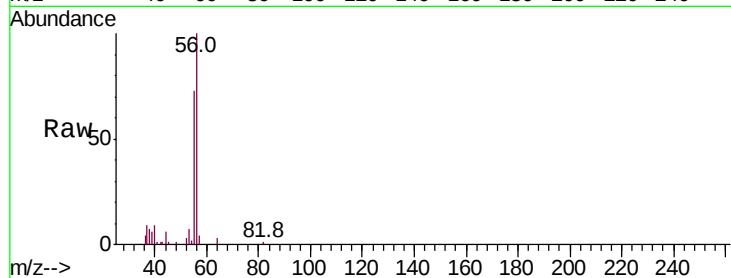
55 71.6 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 15.621 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

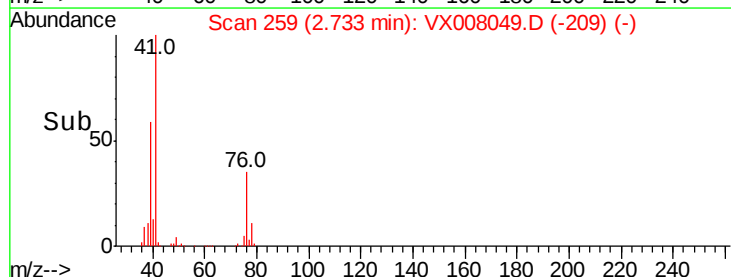
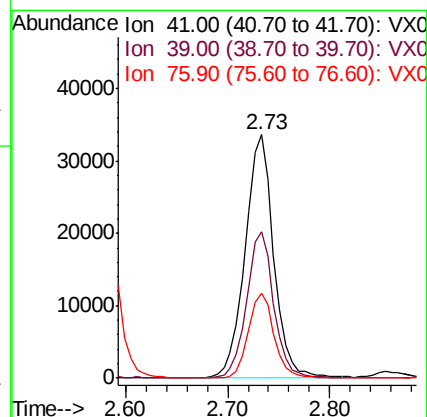
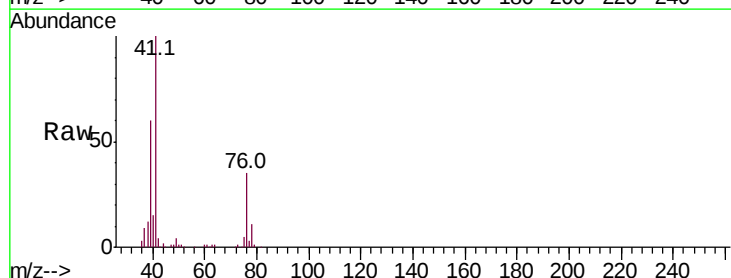
Tgt Ion: 41 Resp: 65048

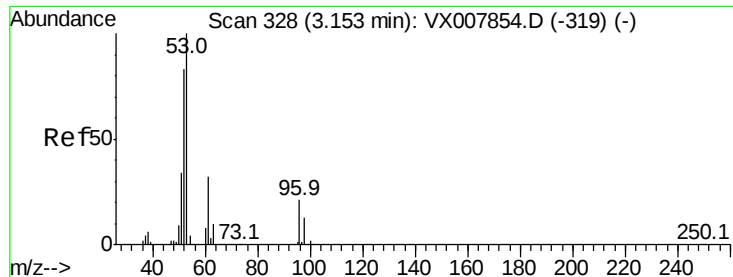
Ion Ratio Lower Upper

41 100

39 57.6 46.1 69.1

76 31.8 24.0 36.0





#15

Acrylonitrile

Concen: 82.813 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

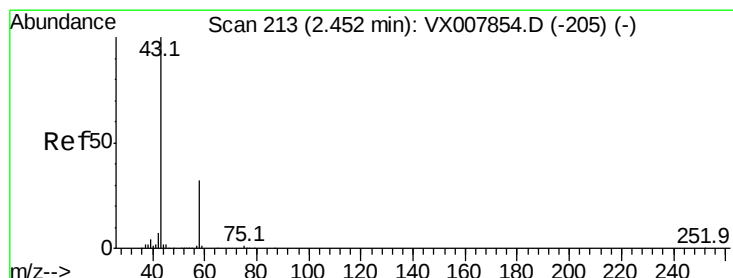
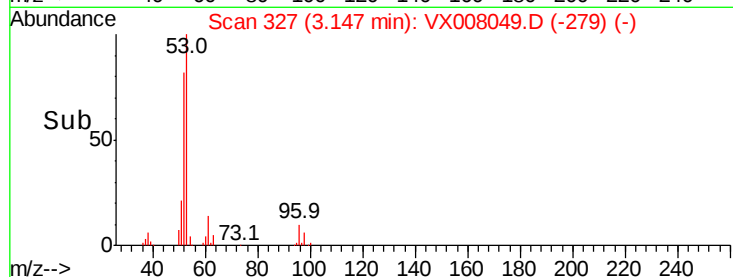
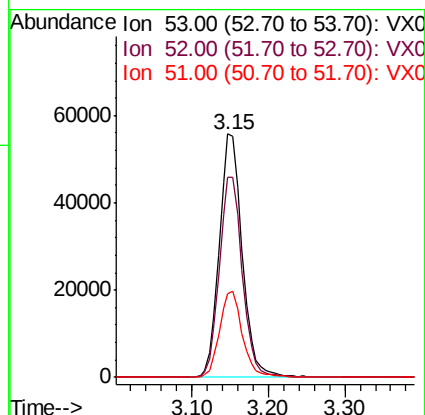
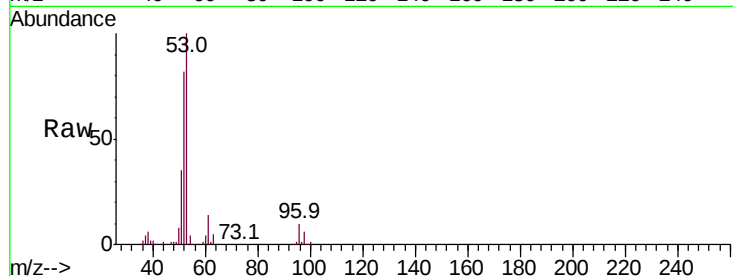
ClientSampleId :

VX0313WBSD01

Tot Ion:	53	Resp:	114859
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.0	99.0
51	35.7	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 65.918 ug/l

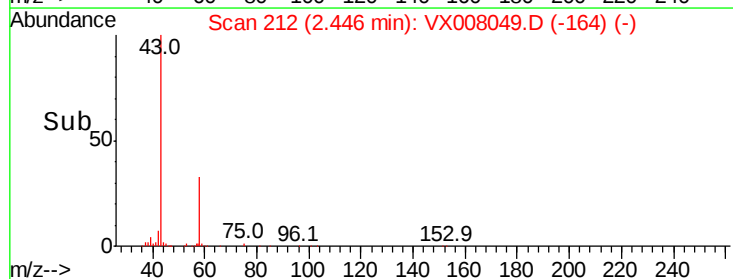
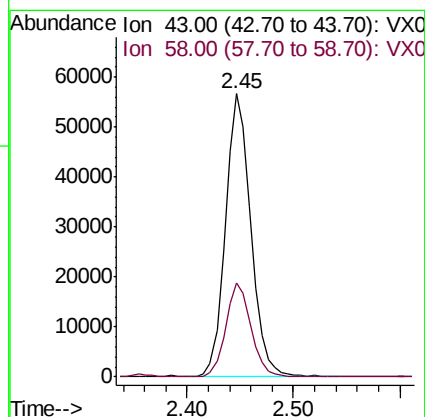
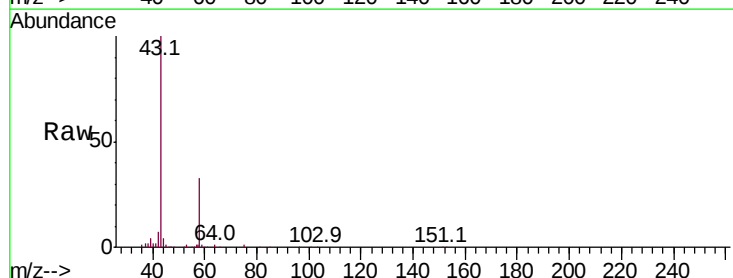
RT: 2.45 min Scan# 212

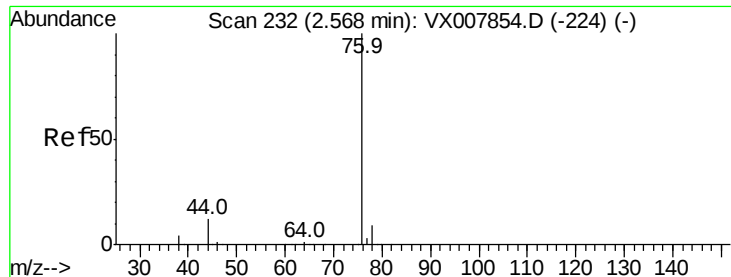
Delta R.T. -0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	43	Resp:	93748
Ion Ratio	Lower	Upper	
43	100		
58	33.0	25.5	38.3





#17

Carbon Disulfide

Concen: 15.783 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 76 Resp: 96831

Ion Ratio Lower Upper

76 100

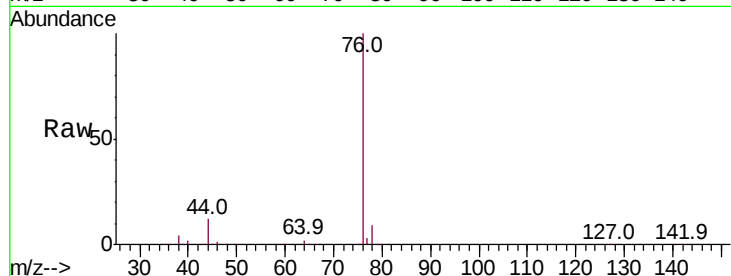
78 8.8 7.2 10.8

Manual Integrations

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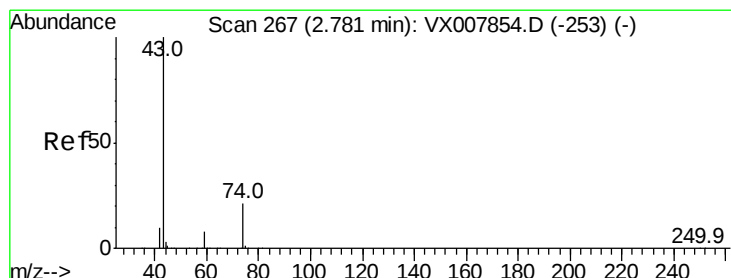
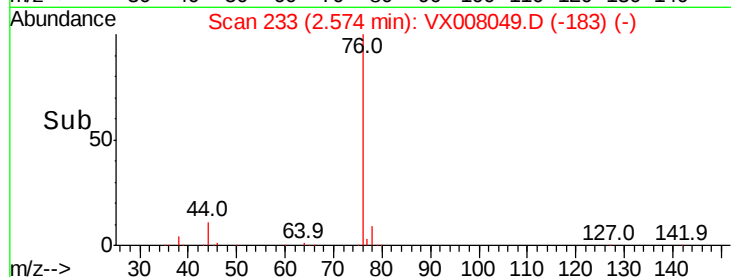
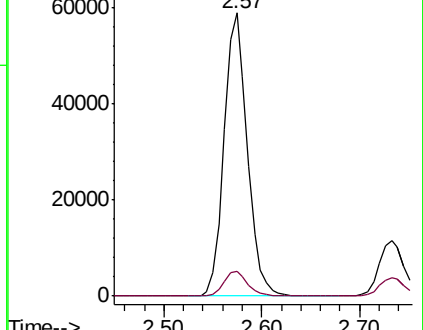
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.663 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008049.D

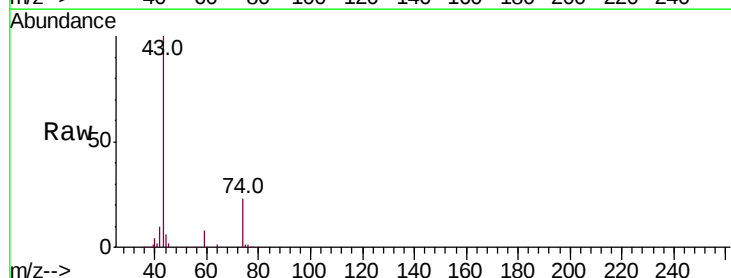
Acq: 13 Mar 2019 15:18

Tgt Ion: 43 Resp: 53367

Ion Ratio Lower Upper

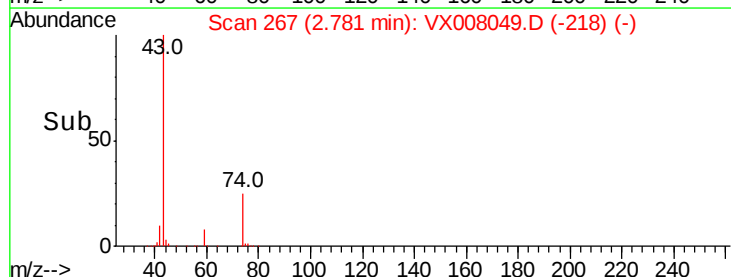
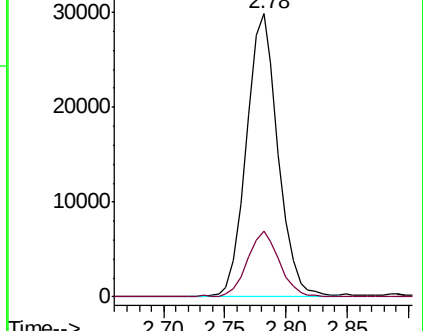
43 100

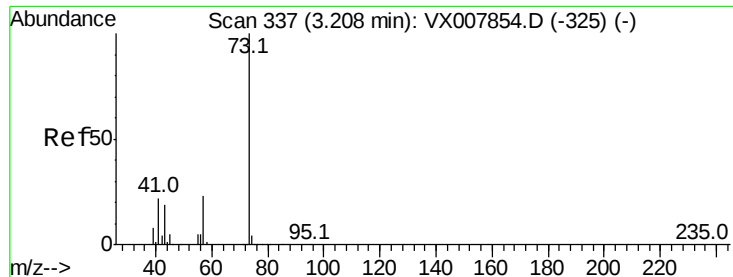
74 23.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





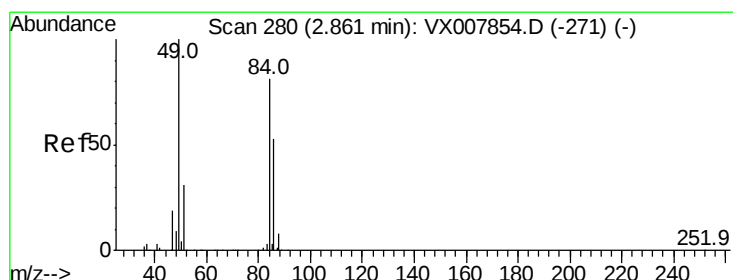
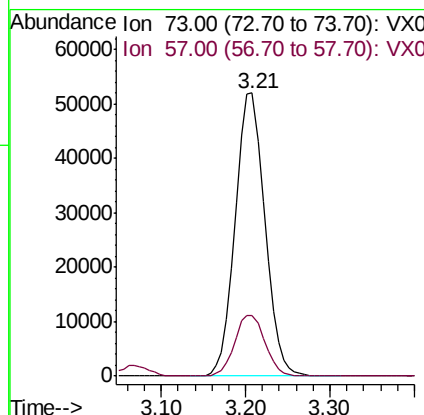
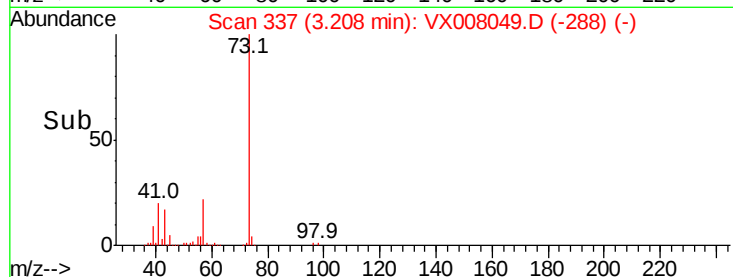
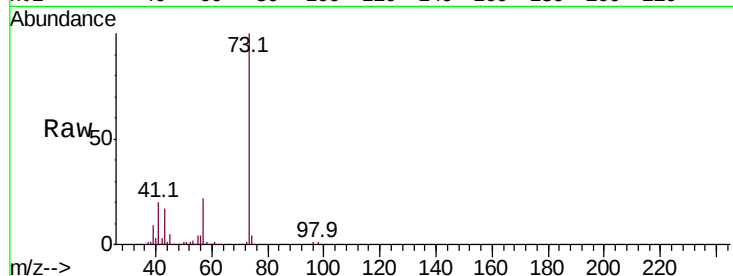
#19
Methvl tert-butvl Ether
Concen: 18.125 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.2	27.4

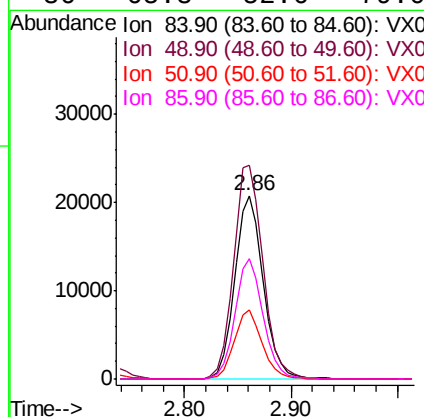
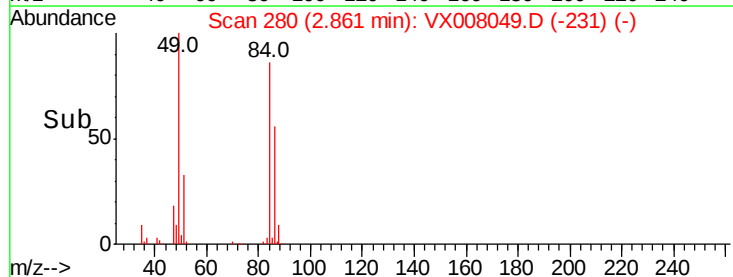
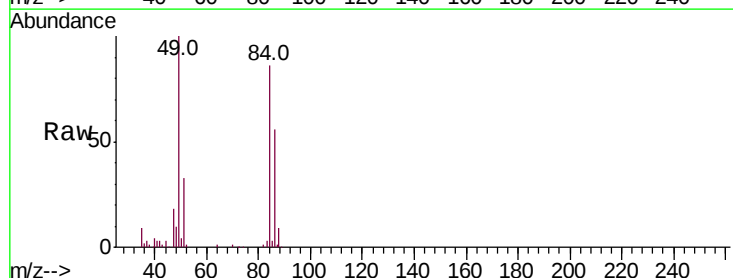
Manual Integrations
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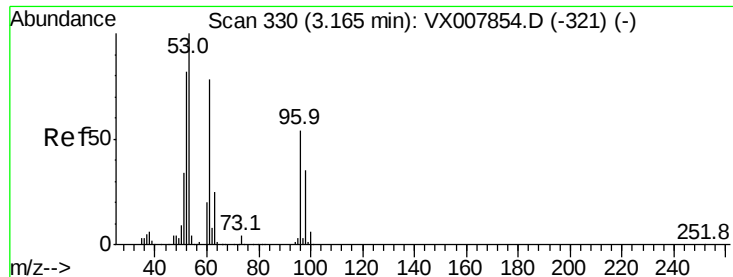
MMDadoda
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#20
Methylene Chloride
Concen: 17.208 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.7	99.3	148.9
51	37.9	31.3	46.9
86	65.8	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 17.411 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 96 Resp: 37965

Ion Ratio Lower Upper

96 100

61 134.3 114.4 171.6

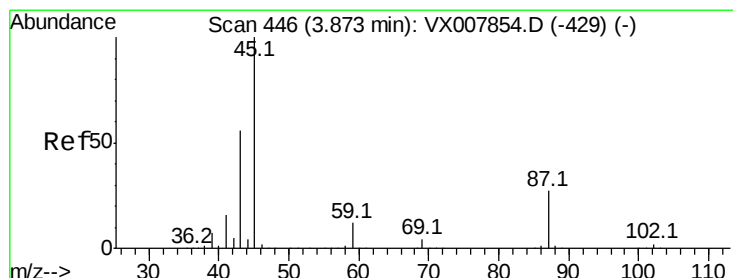
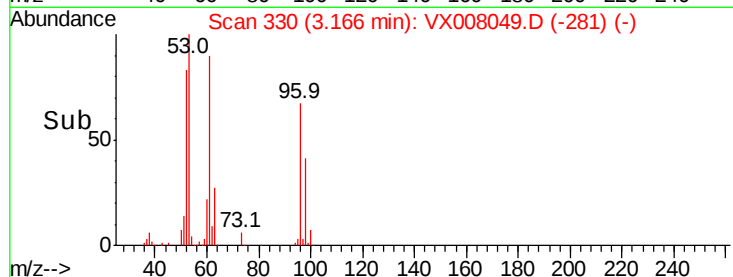
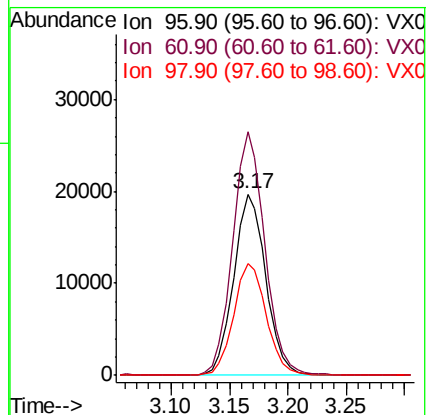
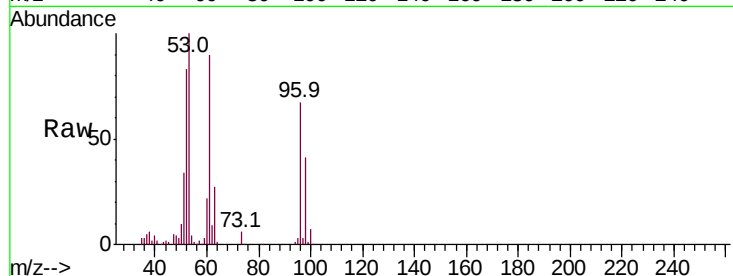
98 61.6 51.1 76.7

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#22

Diisopropyl ether

Concen: 18.928 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion: 45 Resp: 144487

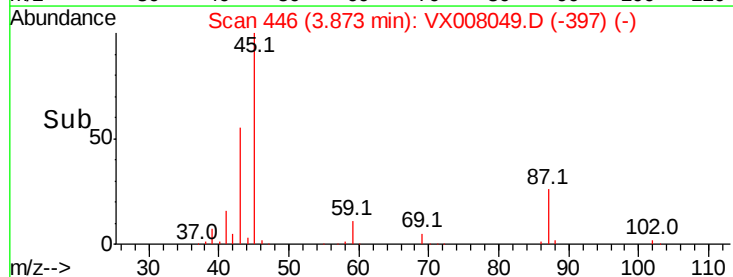
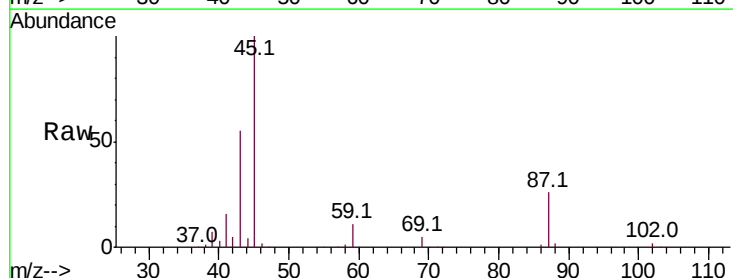
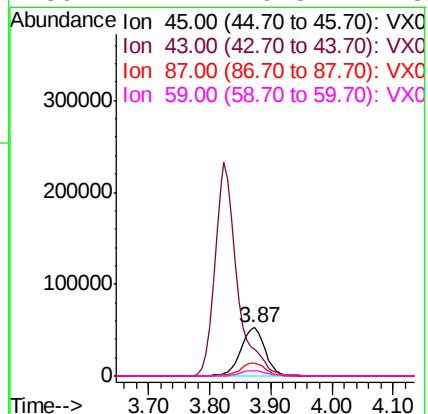
Ion Ratio Lower Upper

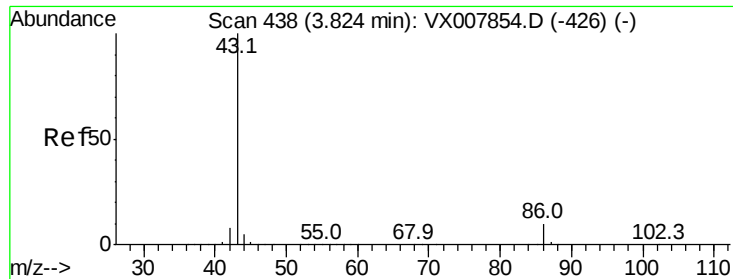
45 100

43 55.0 45.3 67.9

87 26.5 21.4 32.0

59 11.1 9.5 14.3





#23

Vinyl Acetate

Concen: 88.610 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleID :

VX0313WBSD01

Tot Ion: 43 Resp: 593151

Ion Ratio Lower Upper

43 100

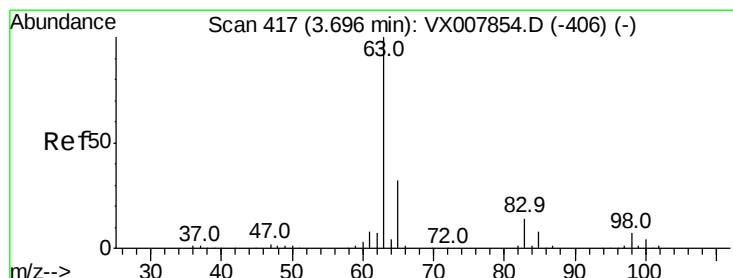
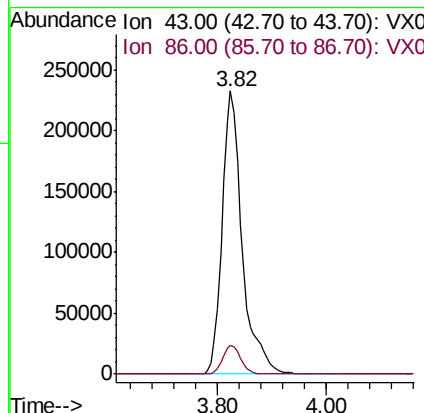
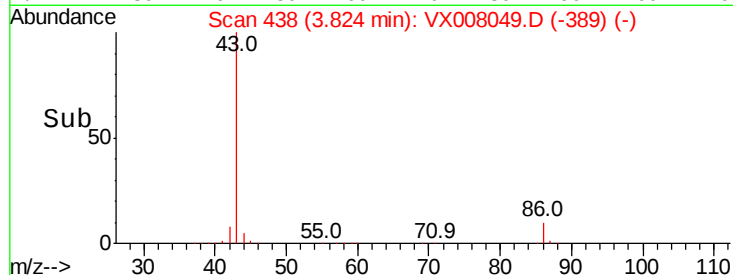
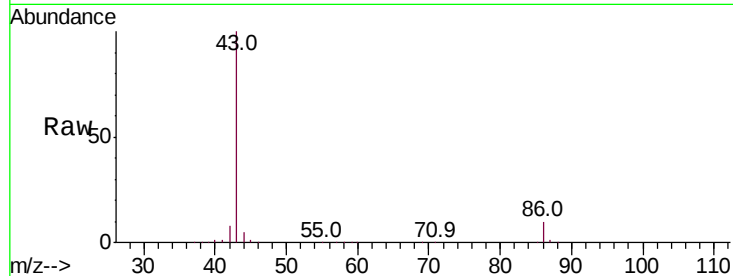
86 10.2 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.201 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

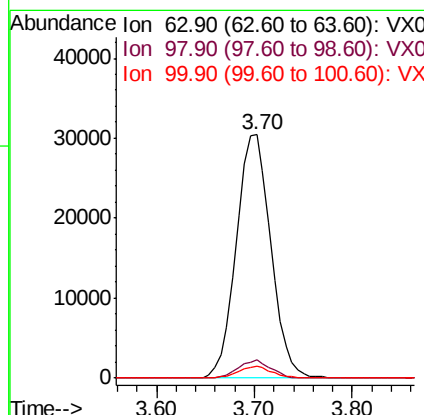
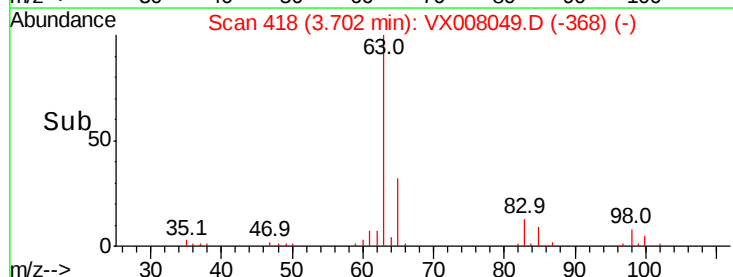
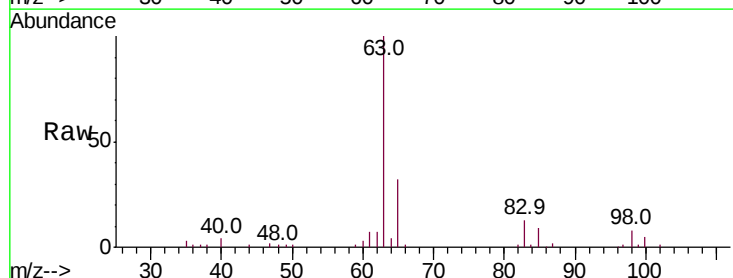
Tgt Ion: 63 Resp: 74770

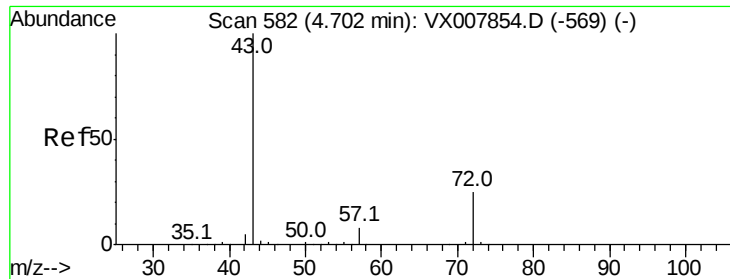
Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.8

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 86.448 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 43 Resp: 174059

Ion Ratio Lower Upper

43 100

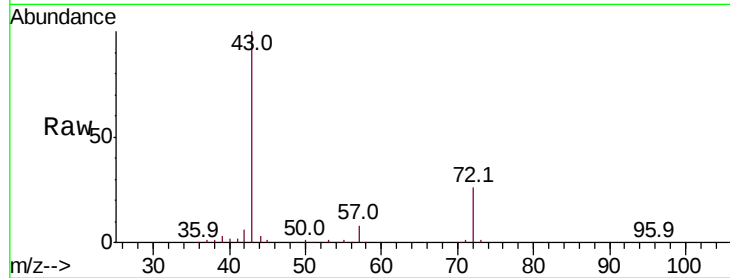
72 26.3 19.9 29.9

Manual Integrations

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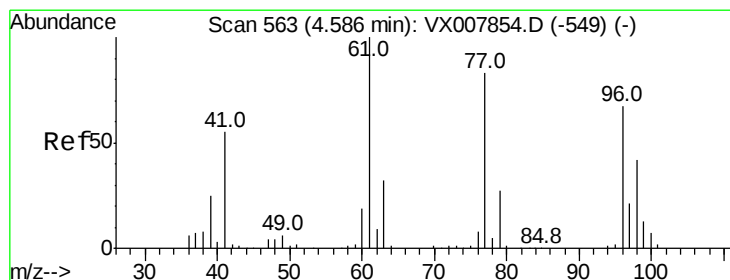
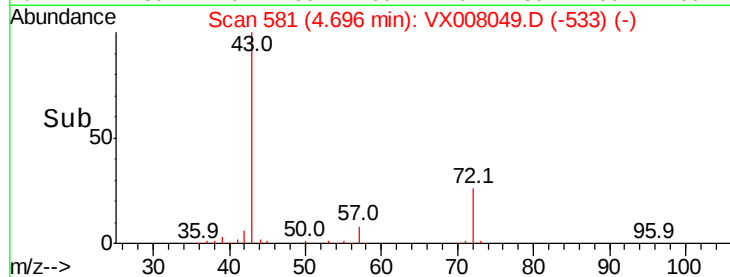
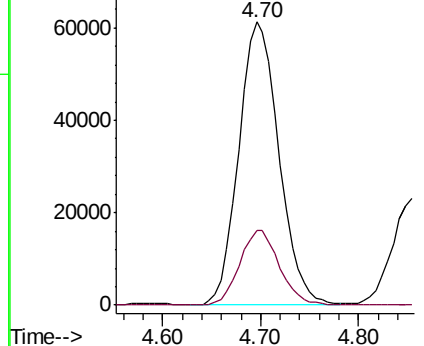
MMDadoda

3/14/2019 10:18:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.469 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008049.D

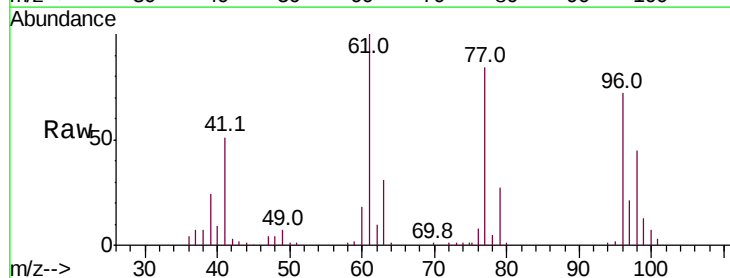
Acq: 13 Mar 2019 15:18

Tgt Ion: 77 Resp: 47544

Ion Ratio Lower Upper

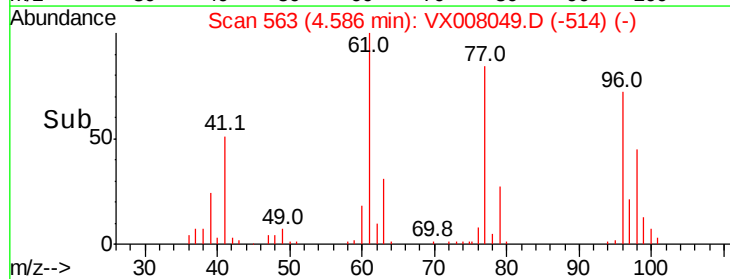
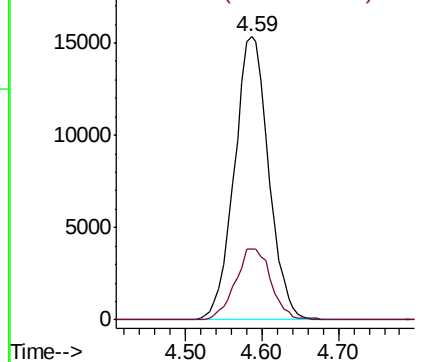
77 100

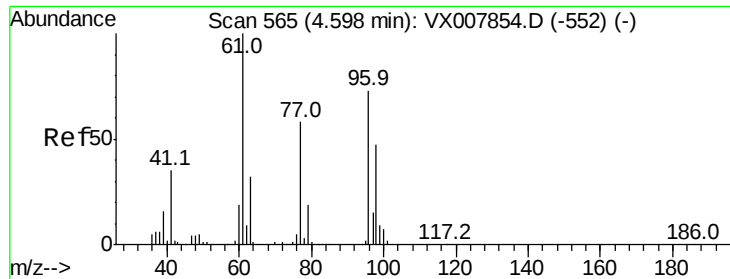
97 26.0 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

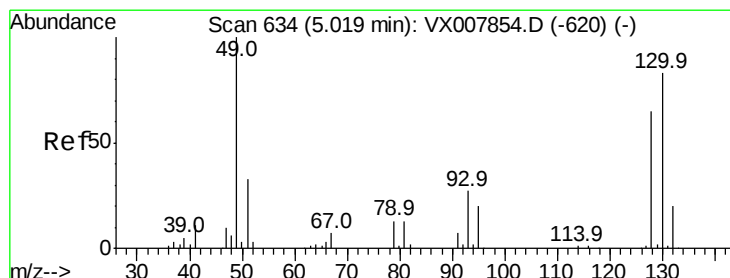
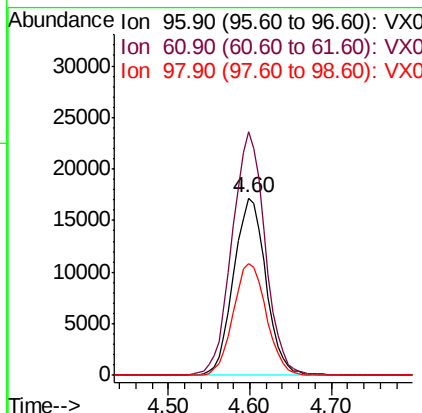
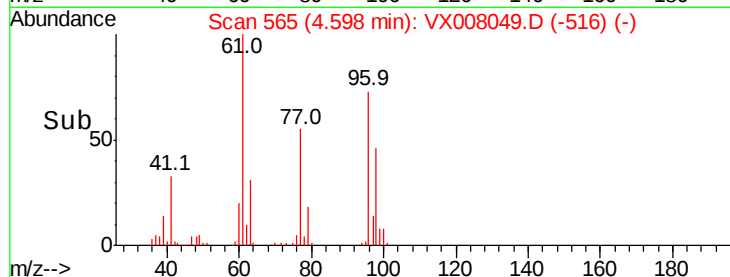
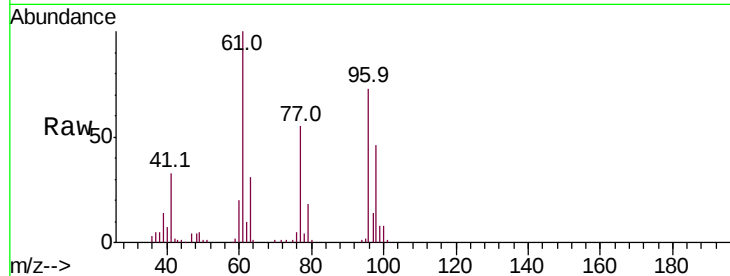
cis-1,2-Dichloroethene
Concen: 18.940 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	288.0
98	64.6	0.0	129.0

Manual Integrations
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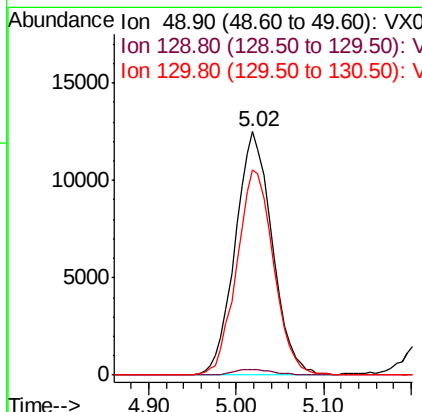
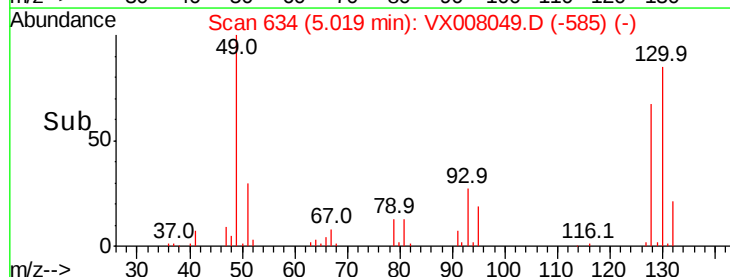
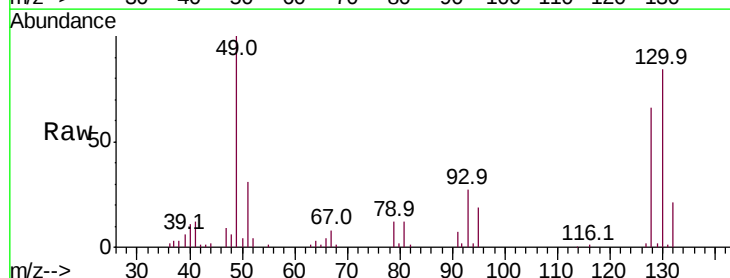
MMDadoda
3/14/2019 10:18:01 AM

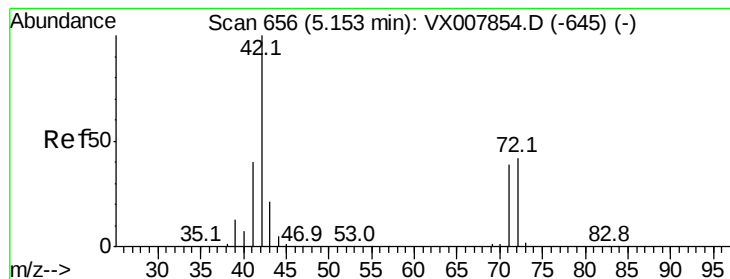


#28

Bromochloromethane
Concen: 19.191 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	83.8	65.0	97.4





#29

Tetrahydrofuran

Concen: 93.152 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

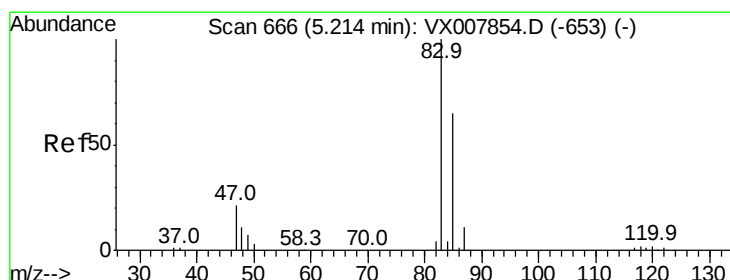
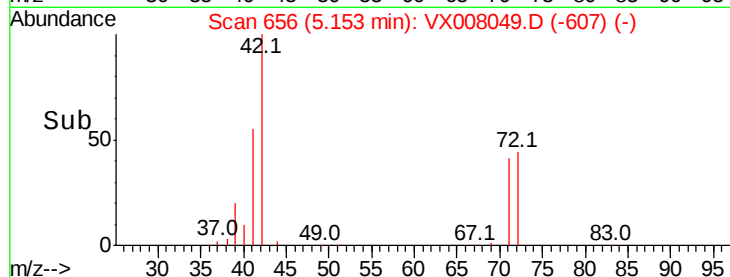
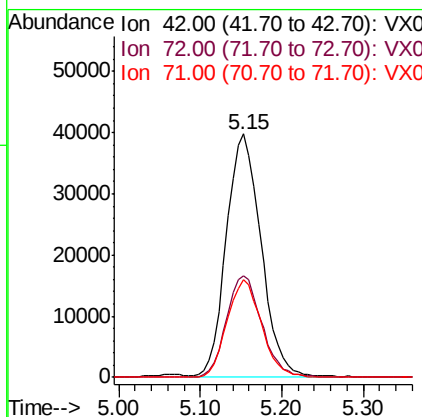
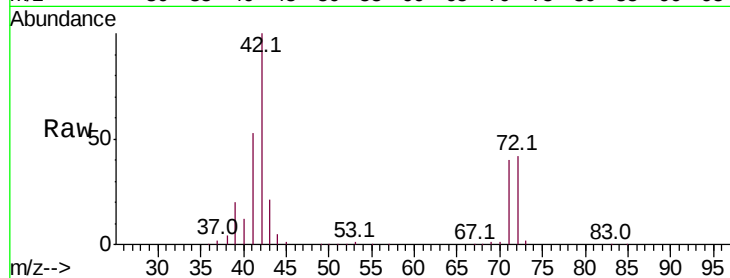
ClientSampleId :

VX0313WBSD01

Tot Ion:	42	Resp:	116992
Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.8	50.6
71	40.0	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 19.351 ug/l

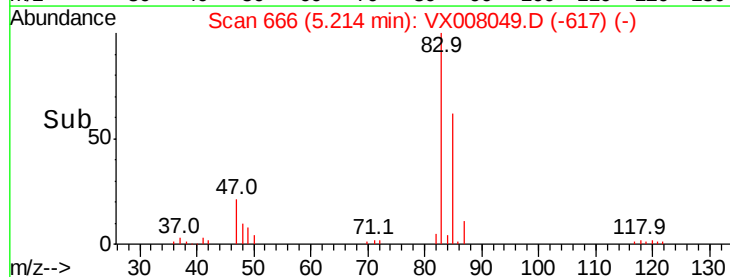
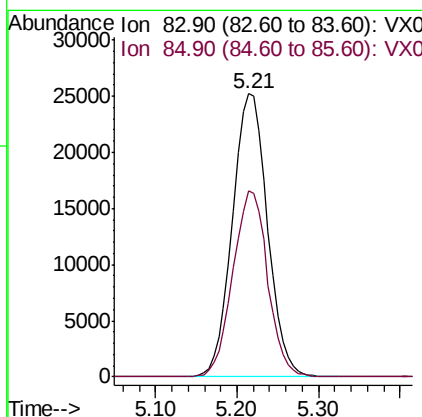
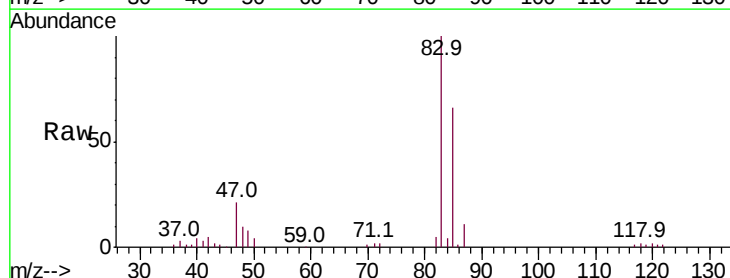
RT: 5.21 min Scan# 666

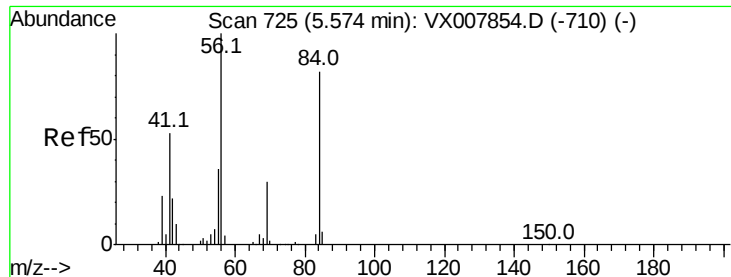
Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	83	Resp:	75195
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.6





#31

Cyclohexane

Concen: 18.419 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

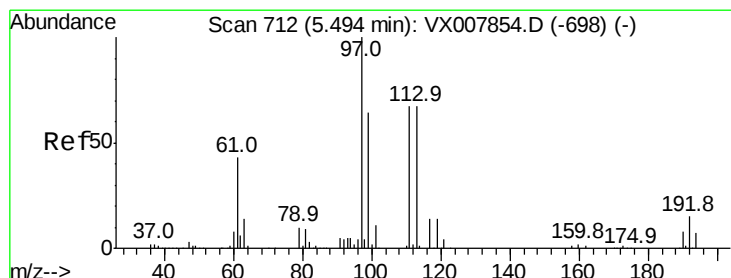
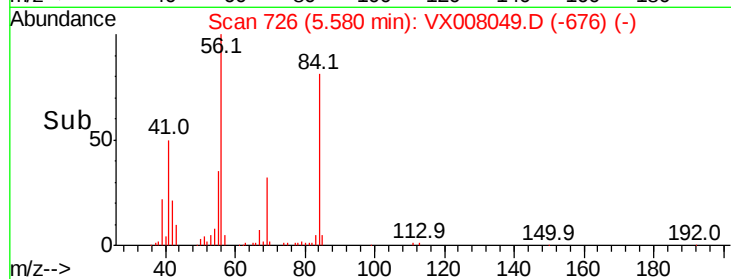
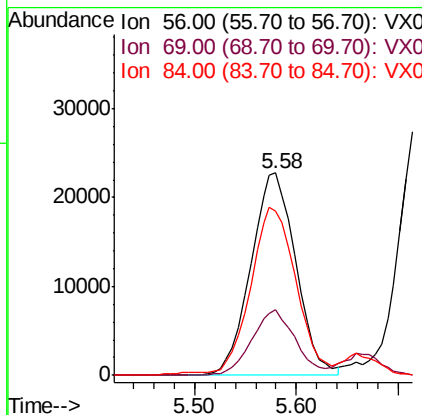
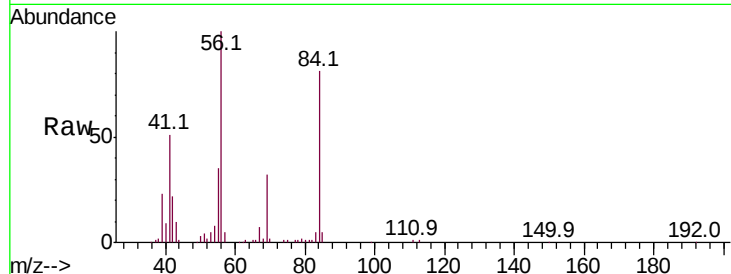
ClientSampleId :

VX0313WBSD01

Tot Ion:	56	Resp:	69540
Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.0	36.0
84	79.5	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.252 ug/l

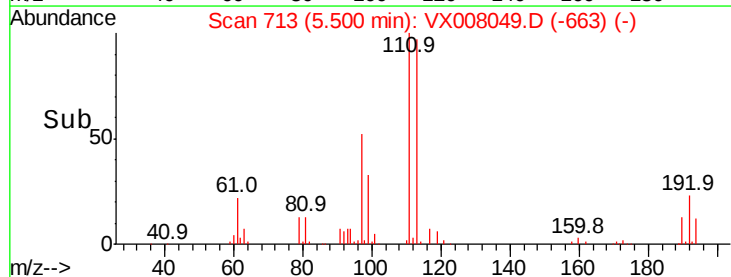
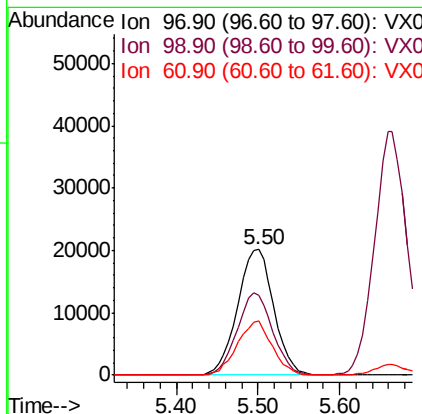
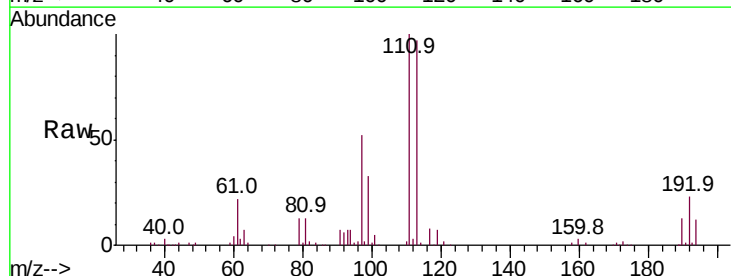
RT: 5.50 min Scan# 713

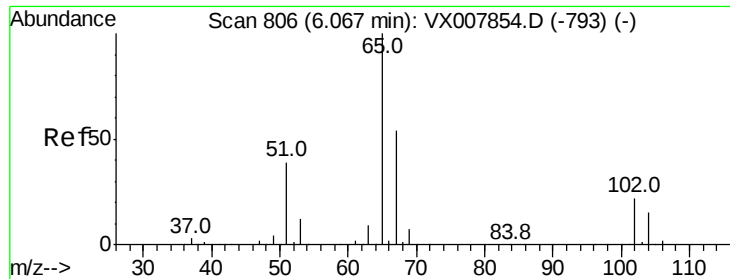
Delta R.T. 0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	97	Resp:	62071
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	41.8	34.9	52.3





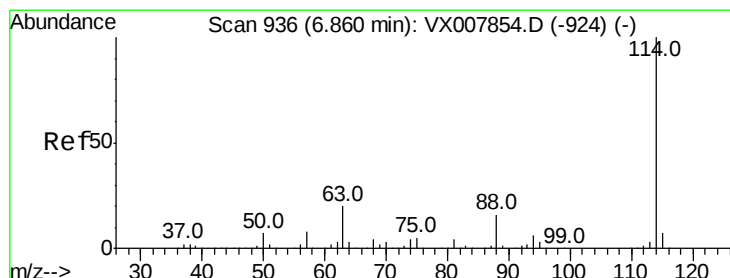
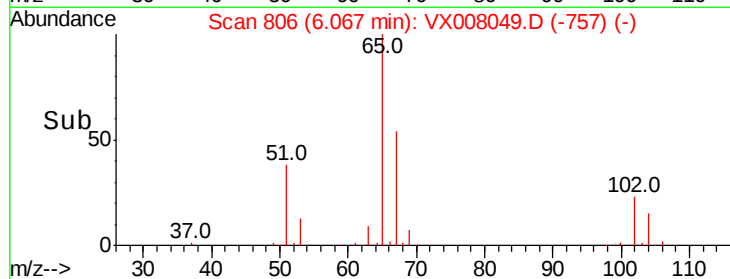
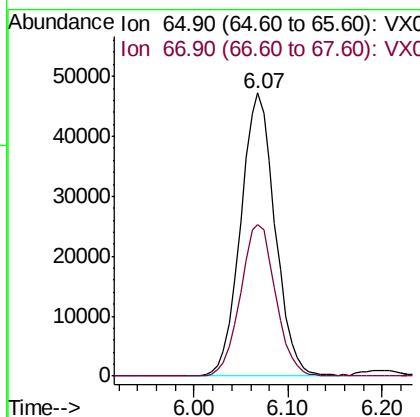
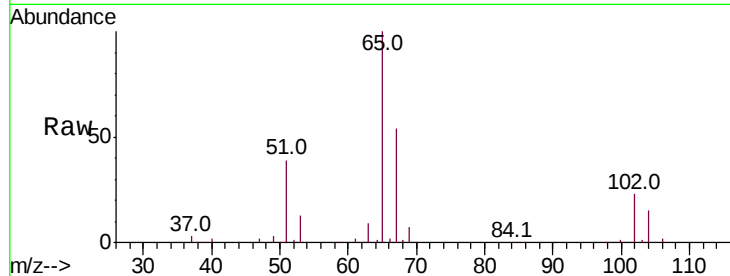
#33
 1,2-Dichloroethane-d4
 Concen: 49.132 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008049.D
 Acq: 13 Mar 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	110.0

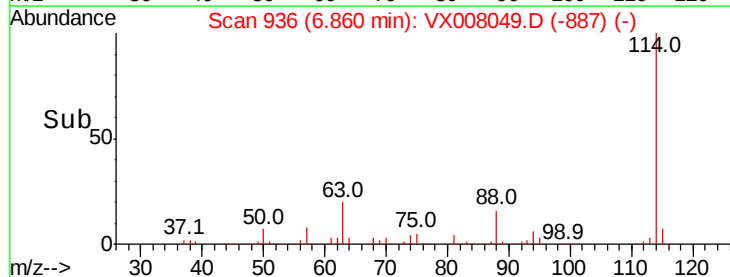
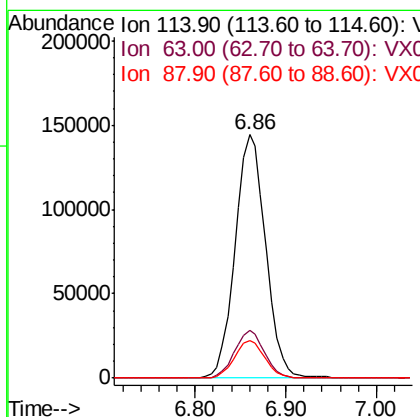
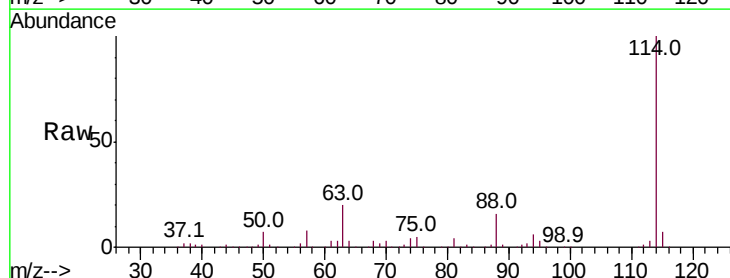
Manual Integrations
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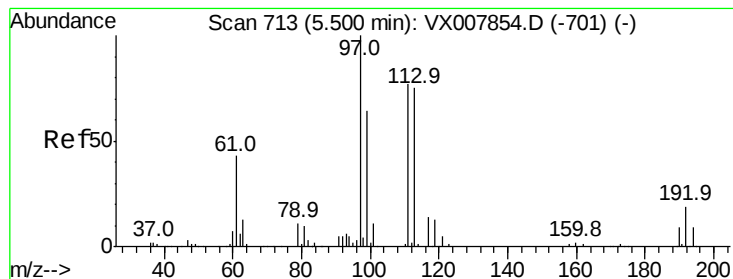
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008049.D
 Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	15.6	0.0	31.4





#35

Dibromofluoromethane

Concen: 49.619 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

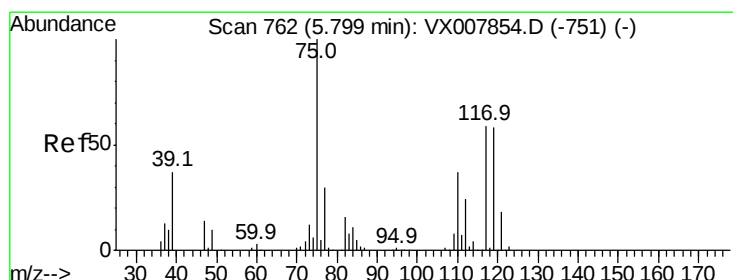
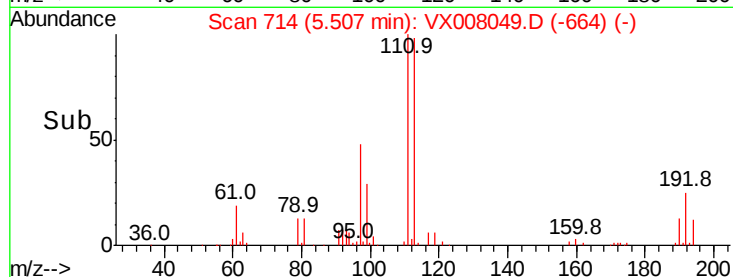
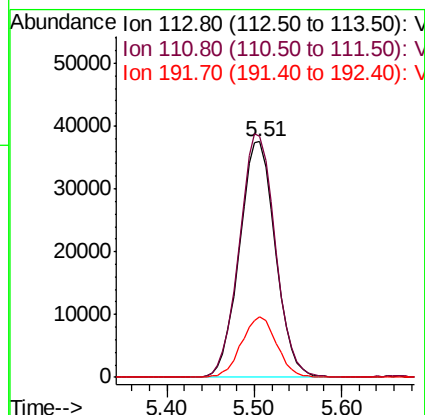
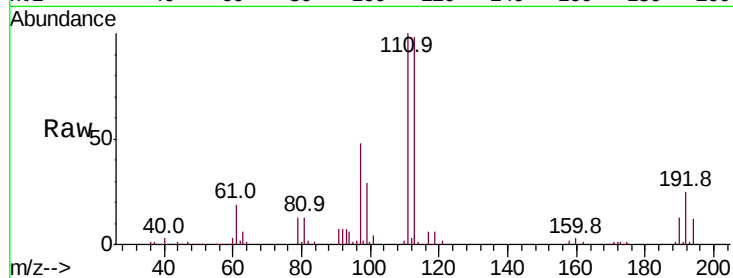
ClientSampleId :

VX0313WBSD01

Tot Ion:	113	Resp:	107330
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.4	122.0
192	25.1	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 18.376 ug/l

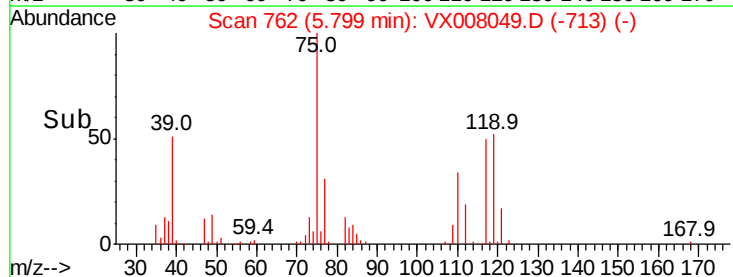
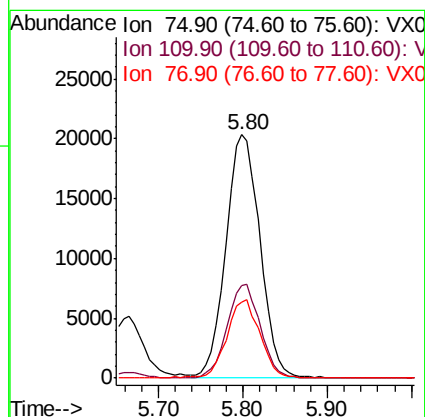
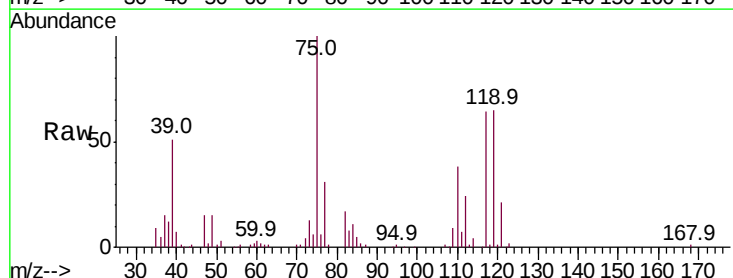
RT: 5.80 min Scan# 762

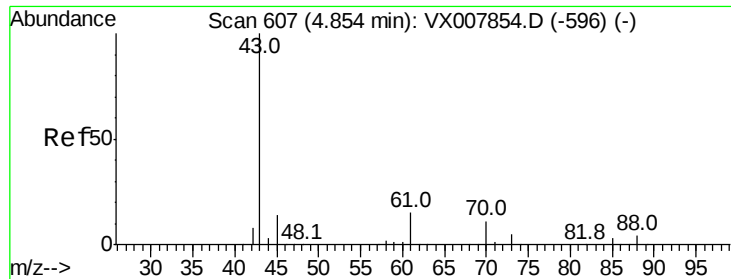
Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	75	Resp:	56266
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.4	55.0
77	30.9	25.0	37.4





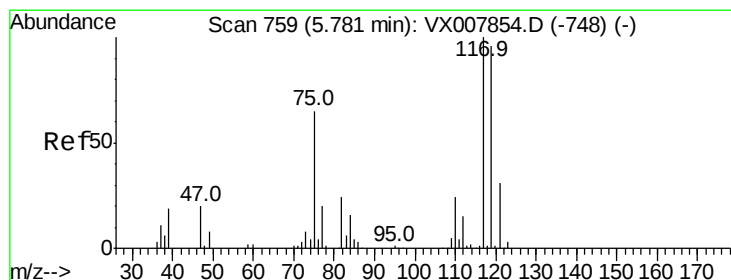
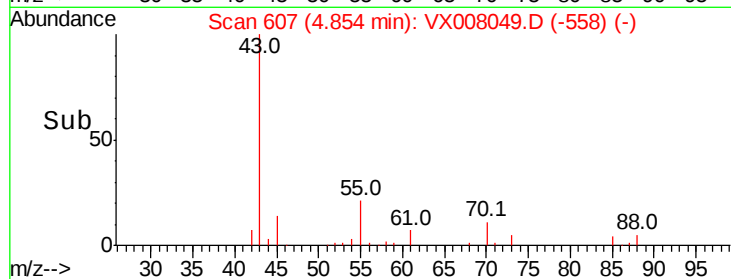
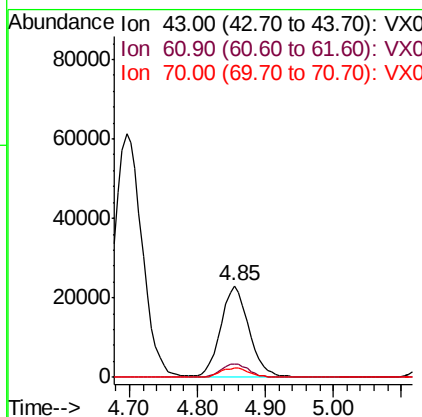
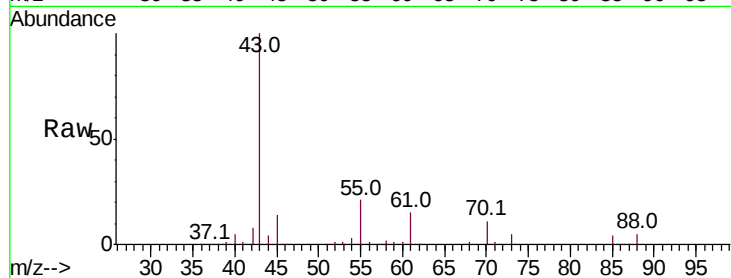
#37
Ethyl Acetate
Concen: 18.221 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	10.8	8.5	12.7

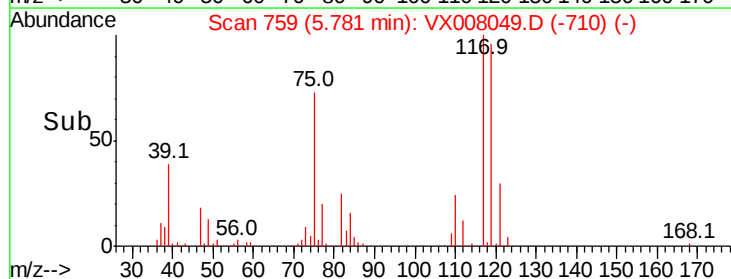
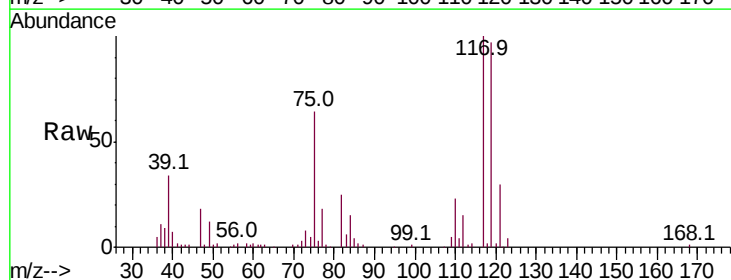
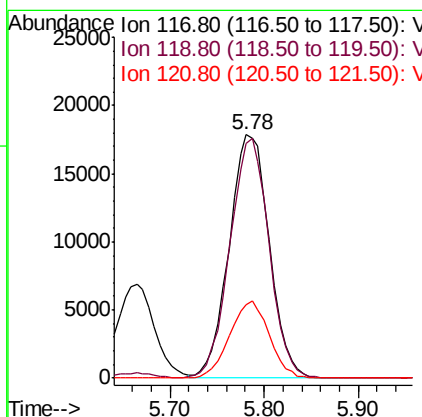
Manual Integrations
APPROVED

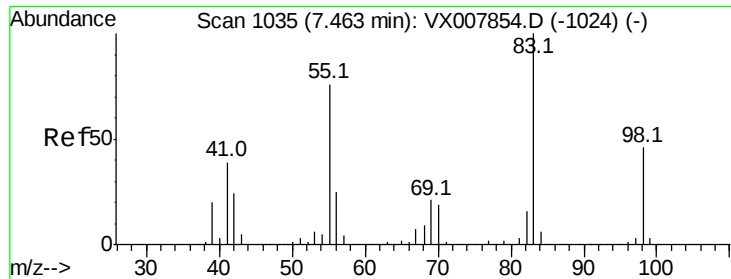
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#38
Carbon Tetrachloride
Concen: 18.276 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.2	114.2
121	30.0	24.6	36.8





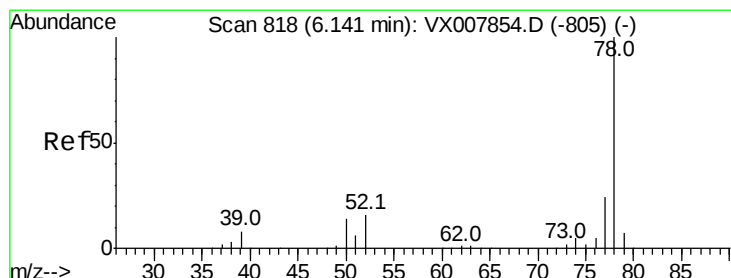
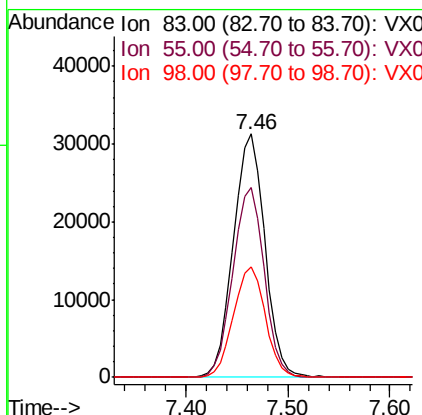
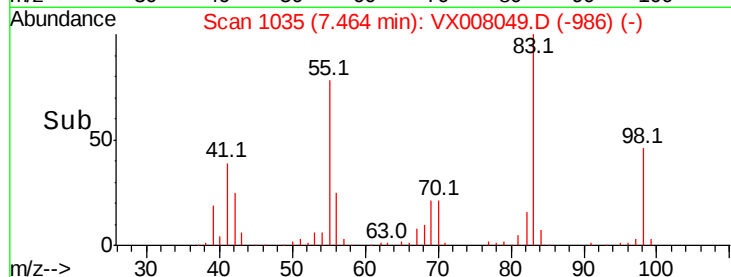
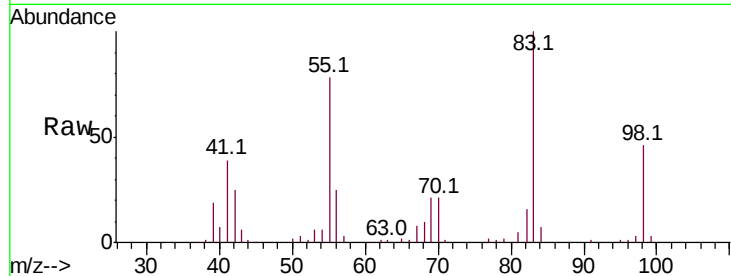
#39
Methylvlcyclohexane
Concen: 18.074 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	60.4	90.6
98	45.5	36.5	54.7

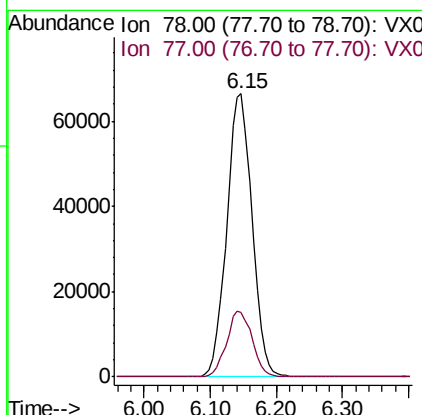
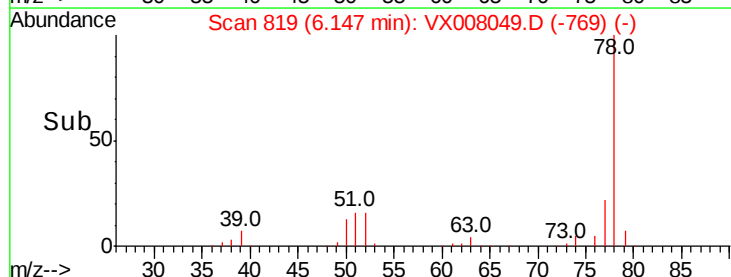
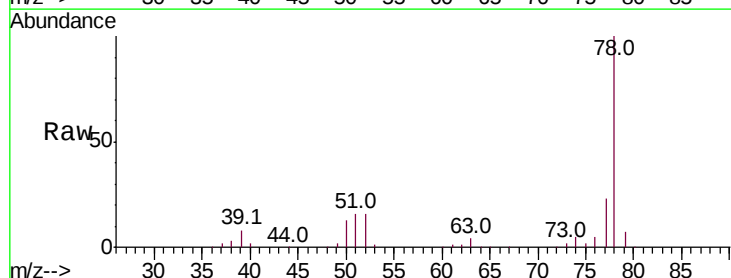
Manual Integrations
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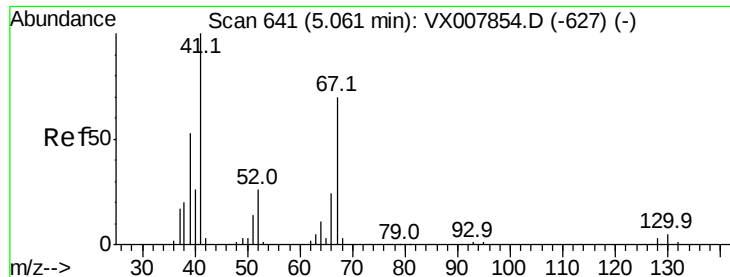
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#40
Benzene
Concen: 19.339 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





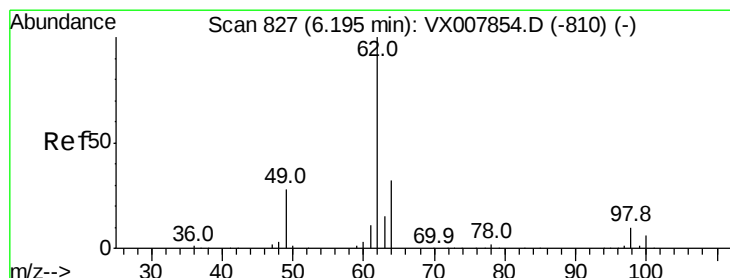
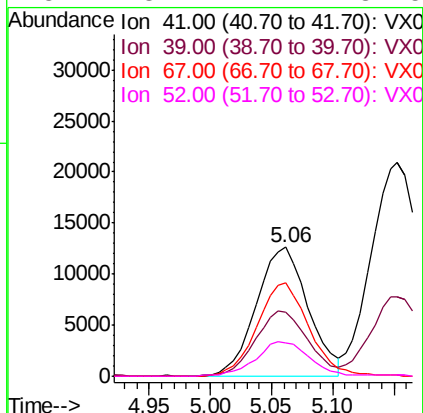
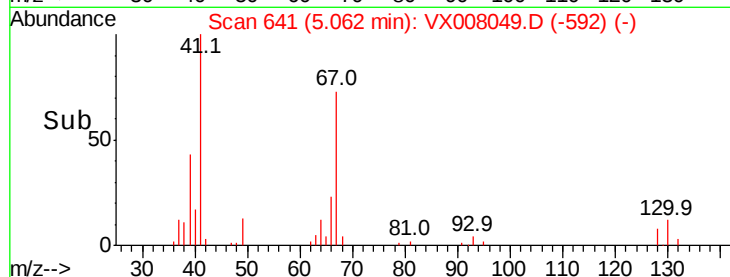
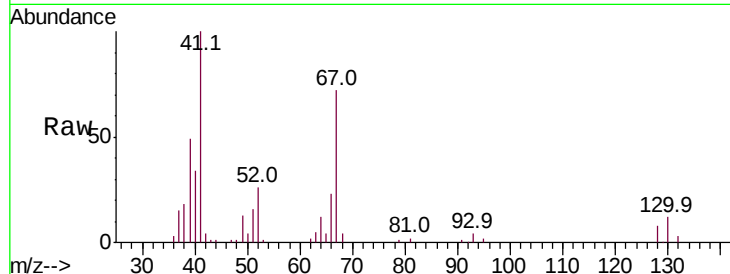
#41
Methacrylonitrile
Concen: 18.857 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.2	41.6	62.4	
67	72.0	55.8	83.6	
52	28.2	21.7	32.5	

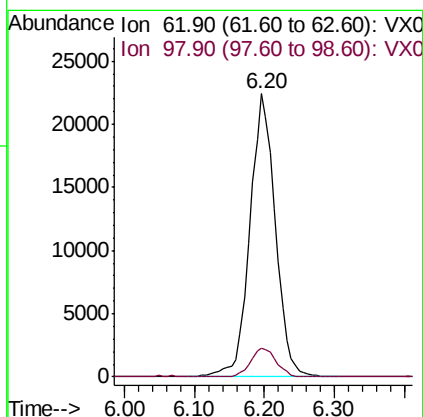
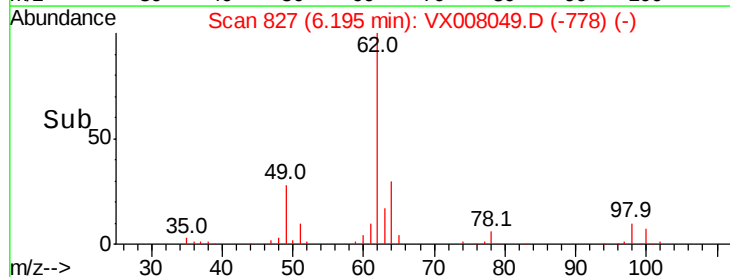
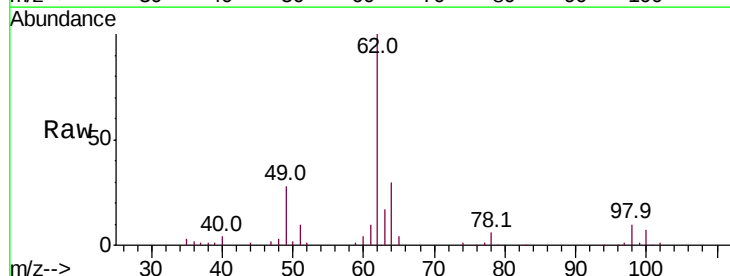
Manual Integrations
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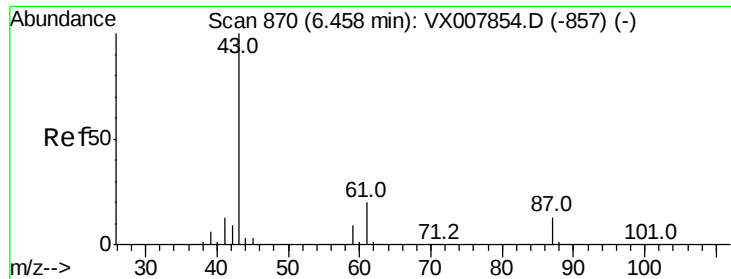
MMDadoda
3/14/2019 10:18:01 AM



#42
1,2-Dichloroethane
Concen: 19.047 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

Isopropyl Acetate

Concen: 18.861 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

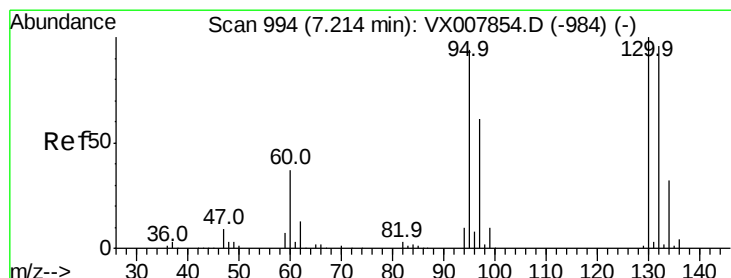
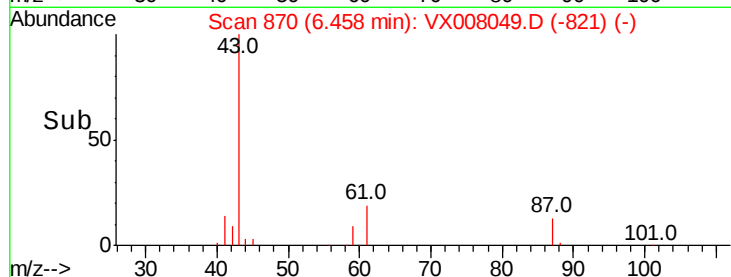
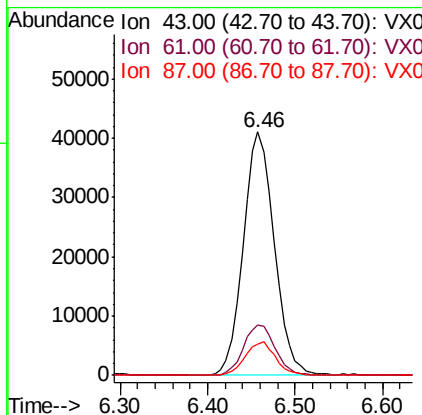
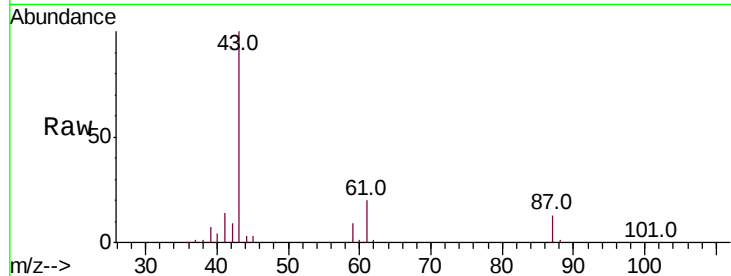
ClientSampleId :

VX0313WBSD01

Tot Ion:	43	Resp:	101424
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.3	24.5
87	13.4	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 19.388 ug/l

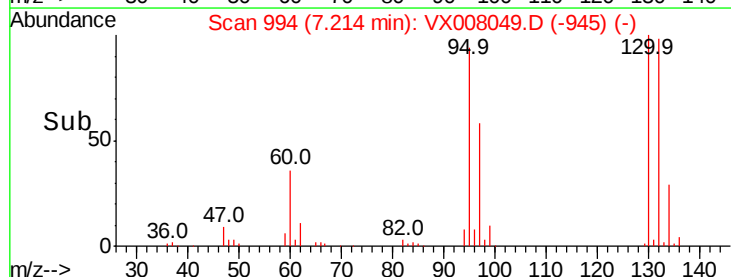
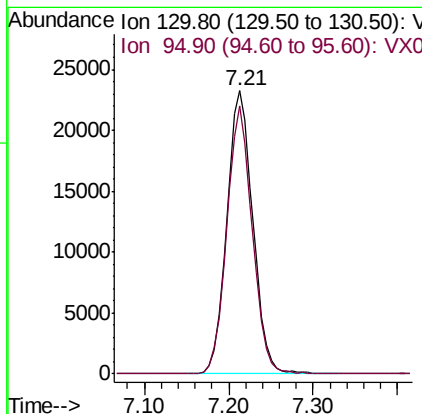
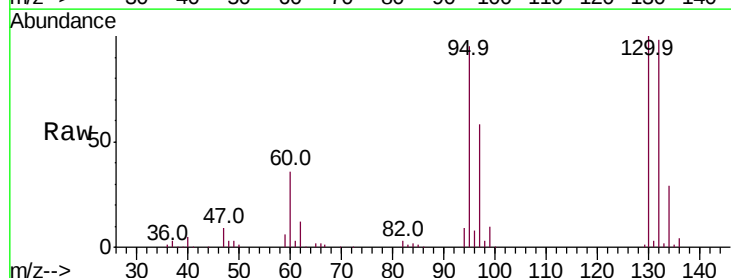
RT: 7.21 min Scan# 994

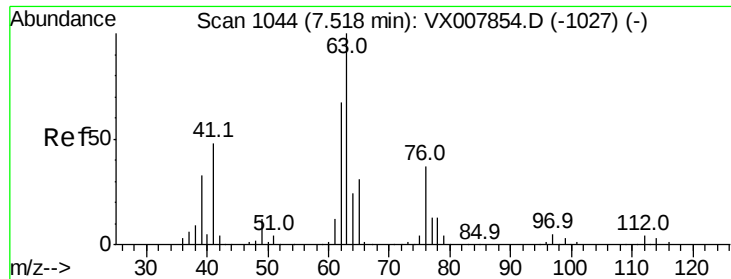
Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	130	Resp:	48705
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.720 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 63 Resp: 47477

Ion Ratio Lower Upper

63 100

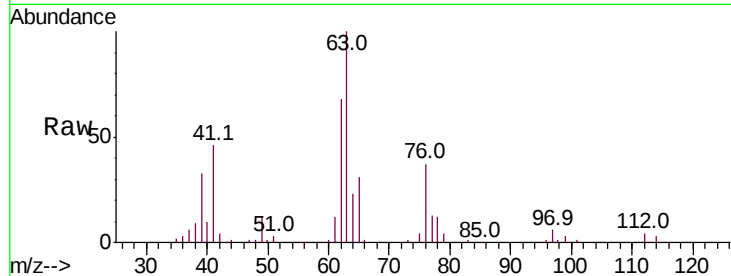
65 30.8 24.7 37.1

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

25000

20000

15000

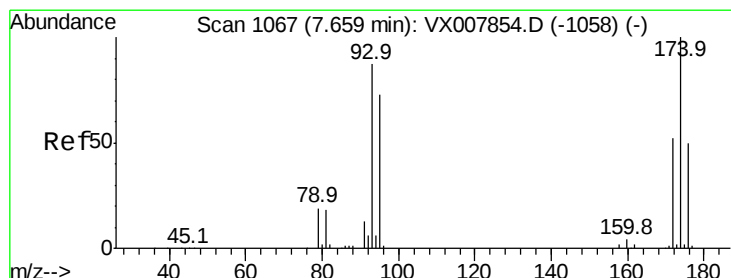
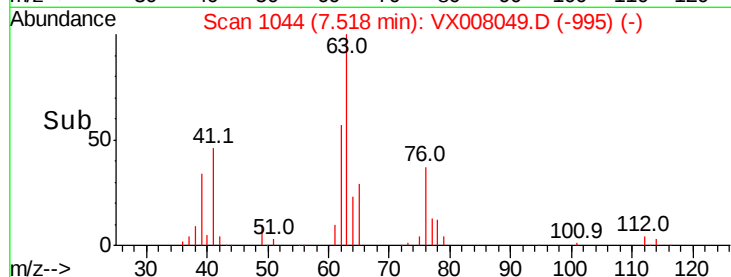
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 19.306 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

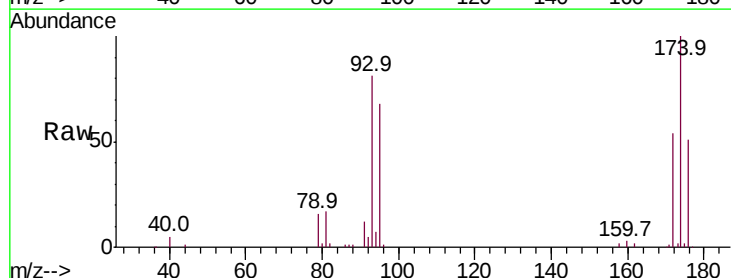
Tgt Ion: 93 Resp: 29416

Ion Ratio Lower Upper

93 100

95 83.6 66.8 100.2

174 121.2 97.3 145.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

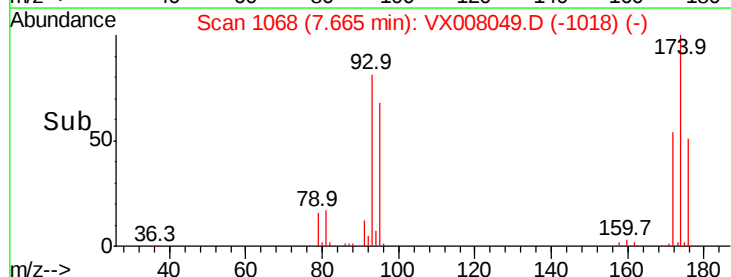
10000

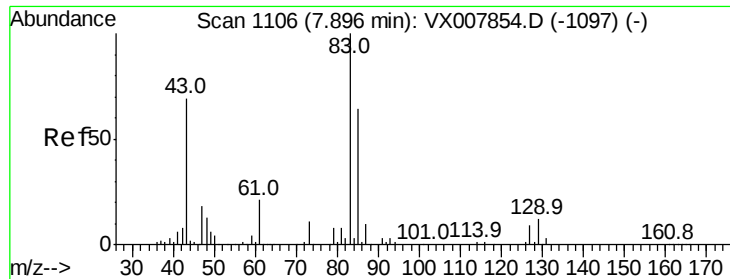
5000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 18.521 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

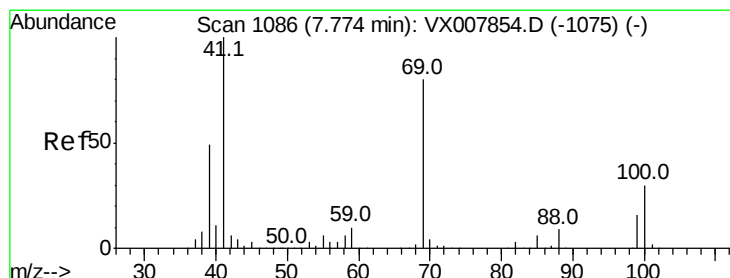
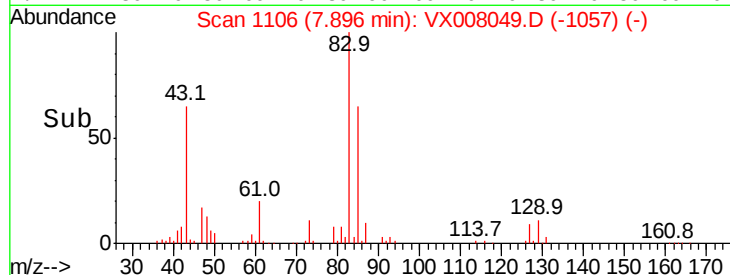
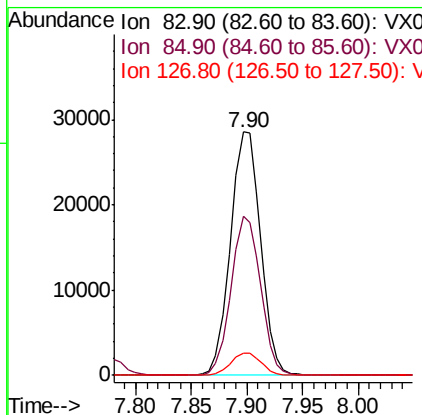
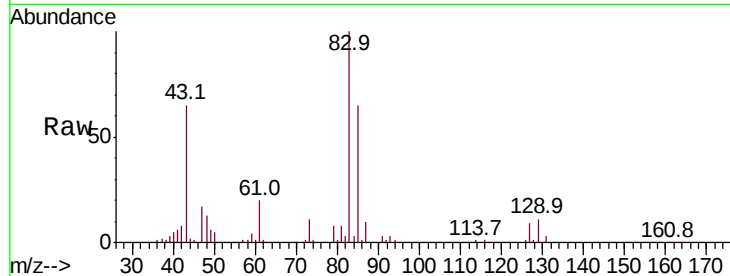
ClientSampleId :

VX0313WBSD01

Tot Ion:	83	Resp:	53502
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.9	76.3
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.873 ug/l

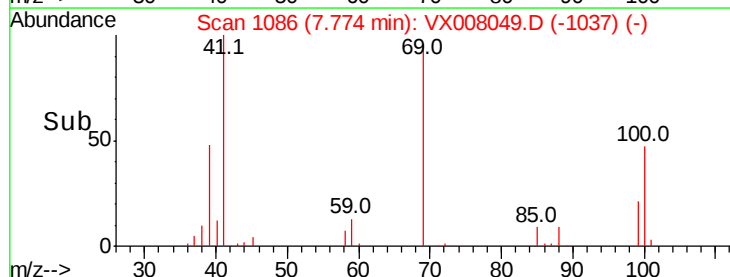
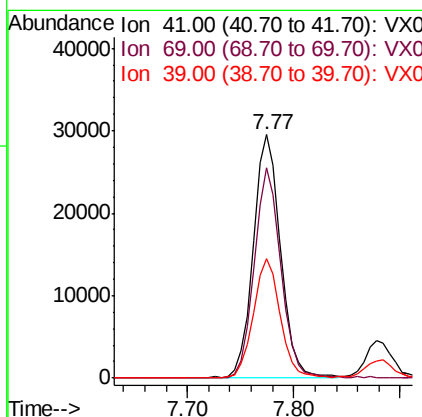
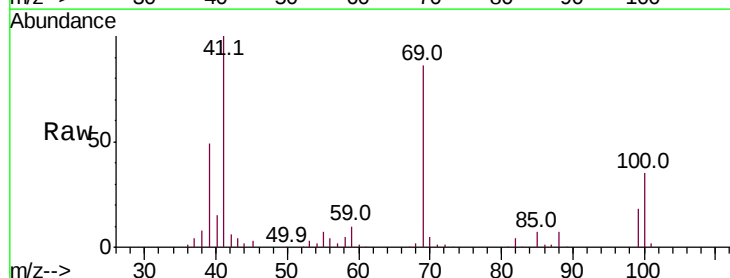
RT: 7.77 min Scan# 1086

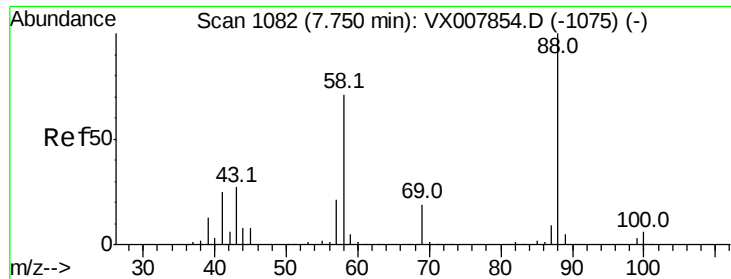
Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	41	Resp:	53360
Ion Ratio	Lower	Upper	
41	100		
69	84.4	65.2	97.8
39	48.4	39.4	59.2





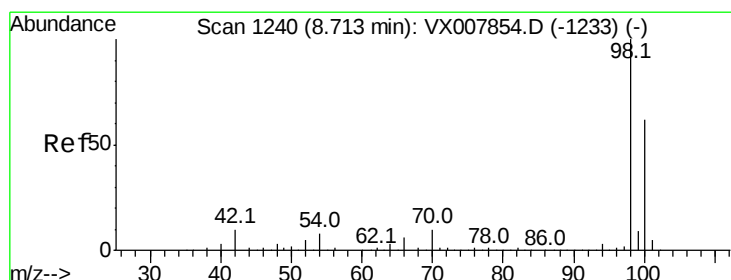
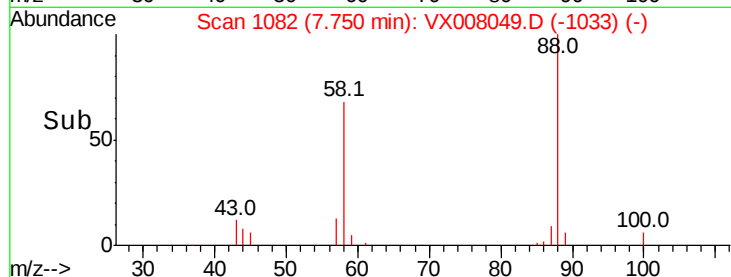
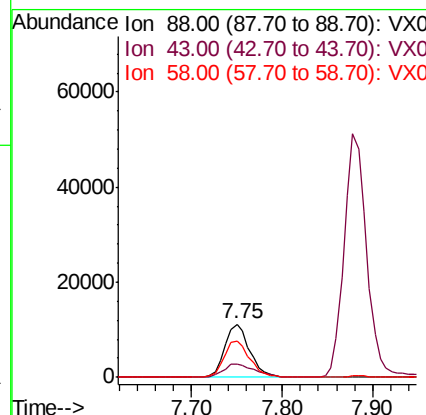
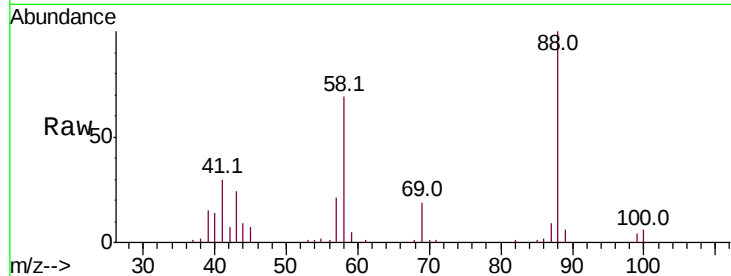
#49
1,4-Dioxane
Concen: 368.774 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.1	37.7
58	71.2	57.8	86.6

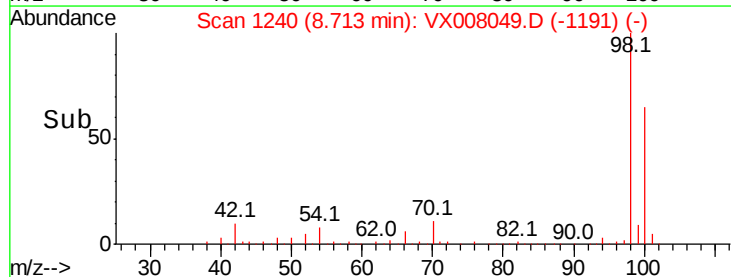
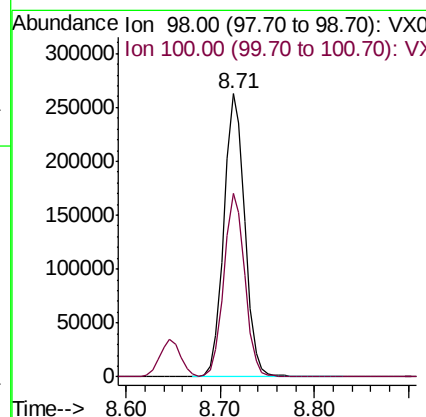
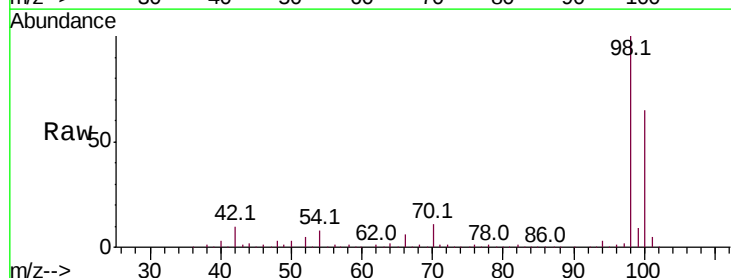
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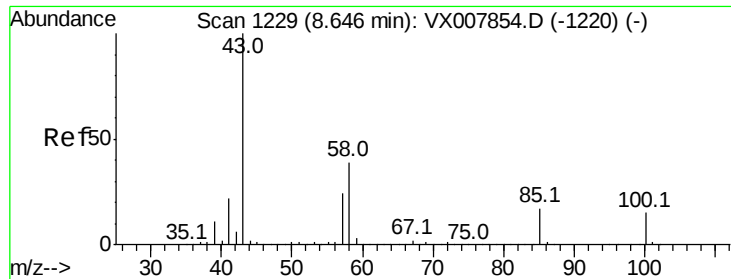
MMDadoda
3/14/2019 10:18:01 AM



#50
Toluene-d8
Concen: 50.839 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 97.148 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 43 Resp: 335970

Ion Ratio Lower Upper

43 100

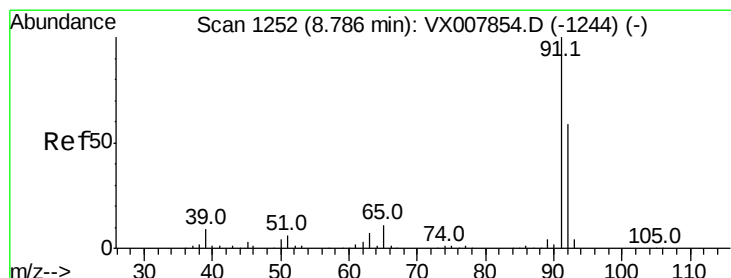
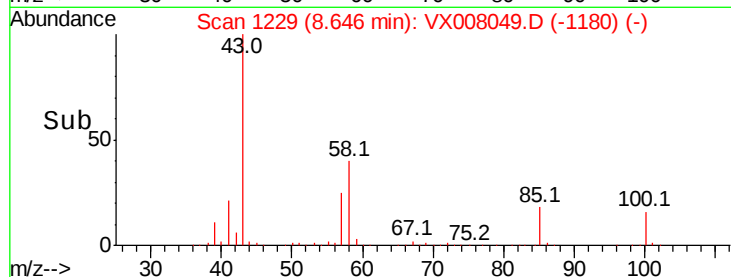
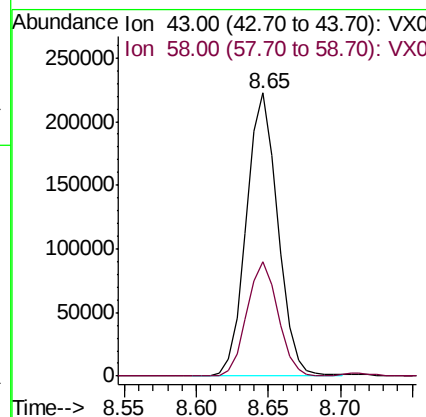
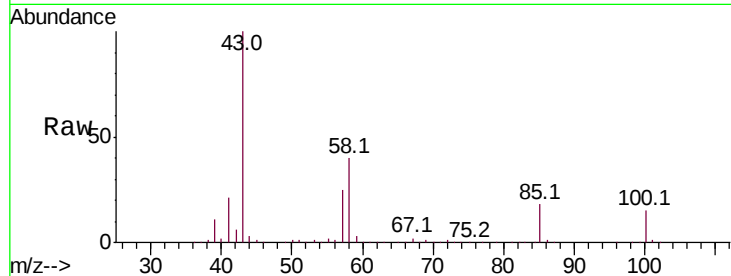
58 39.8 31.3 46.9

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#52

Toluene

Concen: 19.450 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008049.D

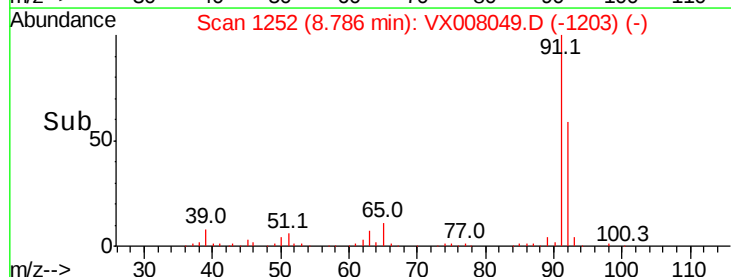
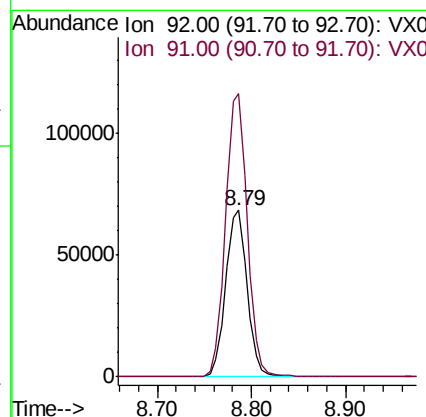
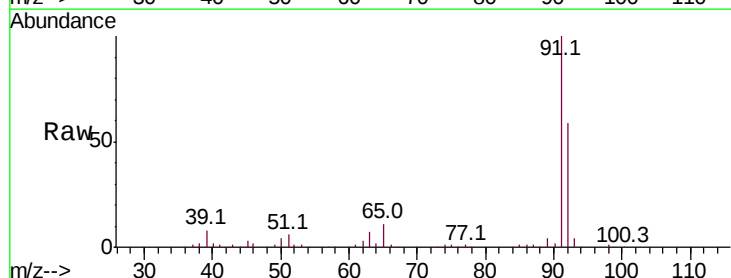
Acq: 13 Mar 2019 15:18

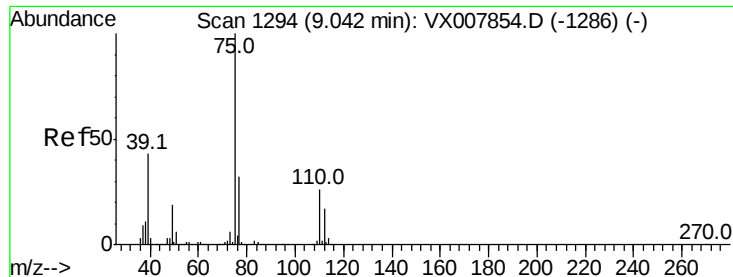
Tgt Ion: 92 Resp: 108245

Ion Ratio Lower Upper

92 100

91 171.9 137.4 206.0





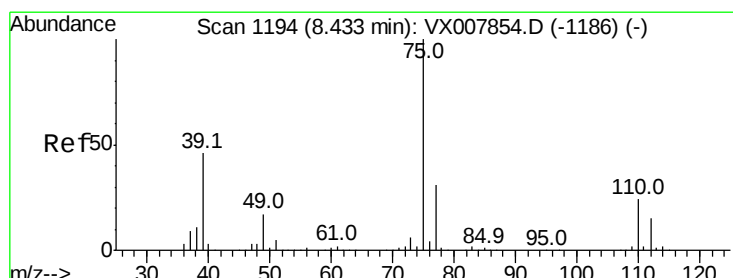
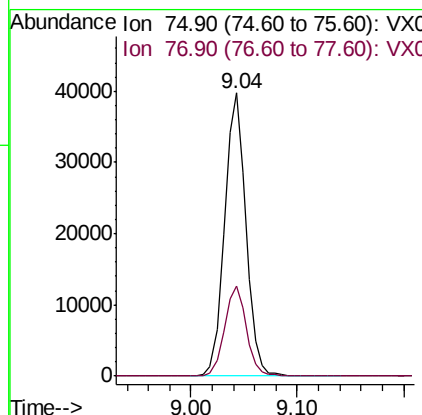
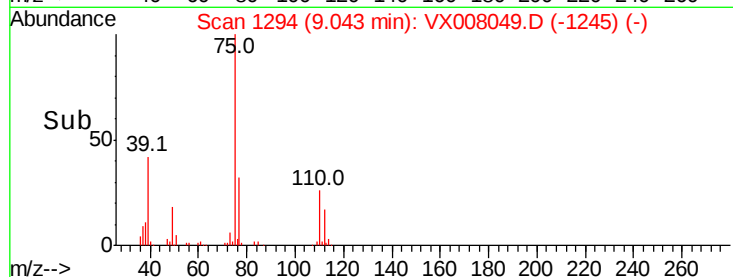
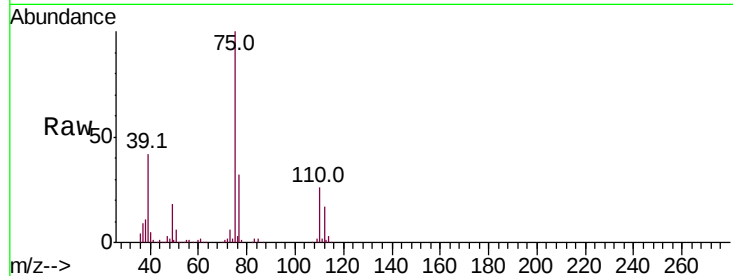
#53
t-1,3-Dichloropropene
Concen: 18.480 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion: 75 Resp: 55718
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

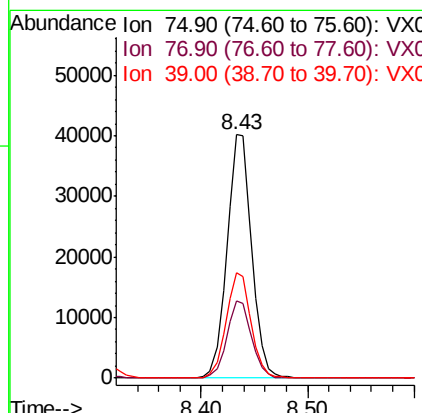
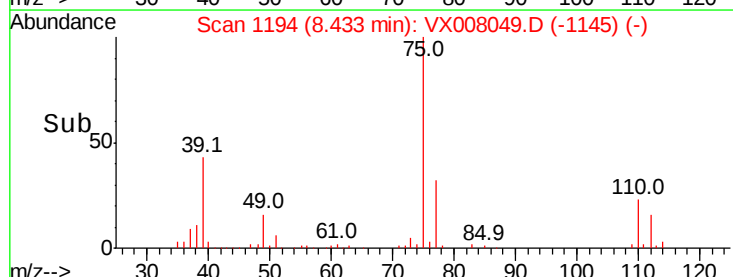
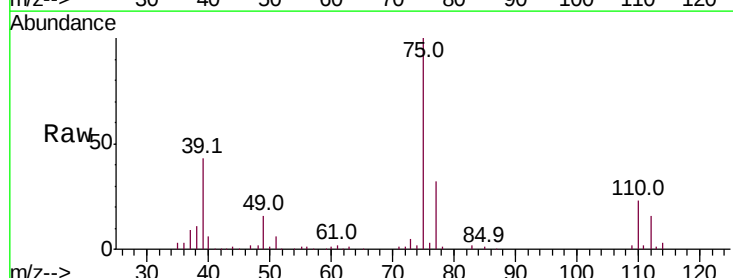
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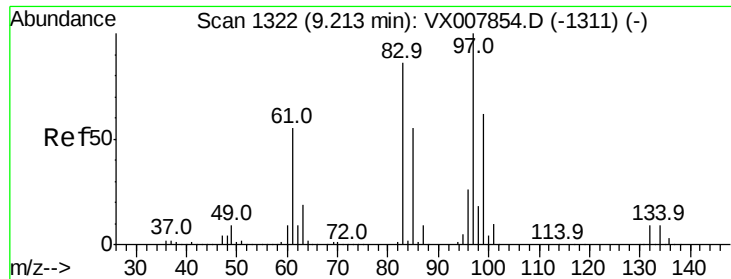
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#54
cis-1,3-Dichloropropene
Concen: 19.094 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion: 75 Resp: 65013
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 43.4 36.6 54.8





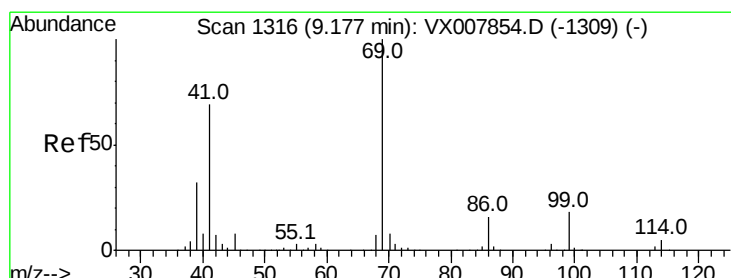
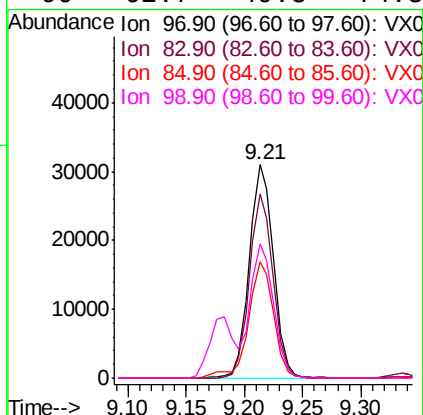
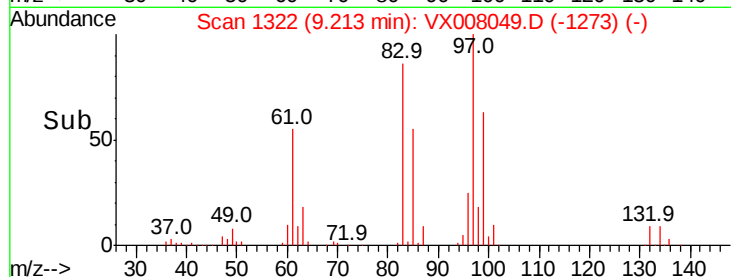
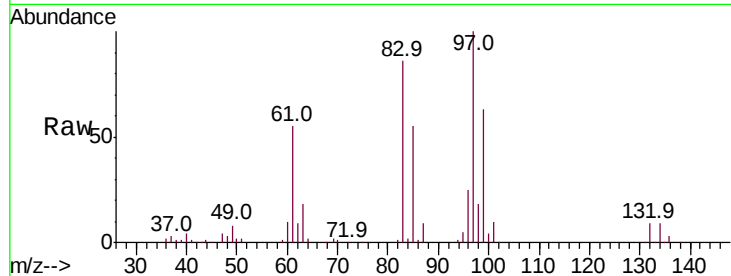
#55
1,1,2-Trichloroethane
Concen: 20.041 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion:	97	Resp:	45150
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.1	103.7
85	54.7	44.3	66.5
99	62.7	49.8	74.8

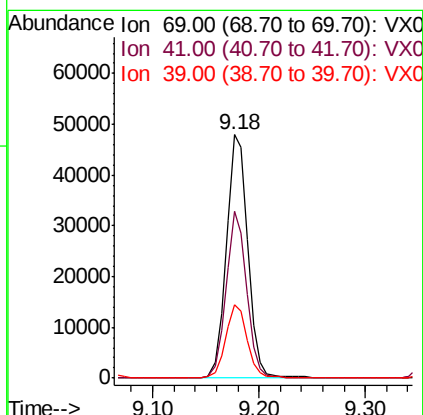
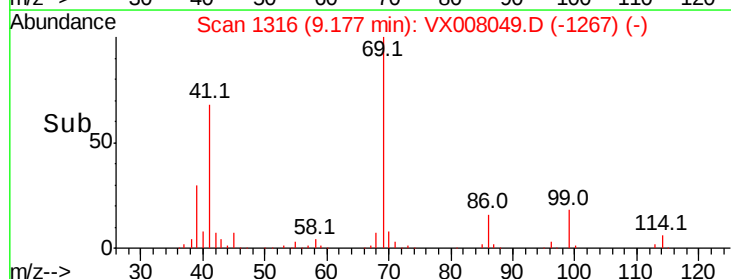
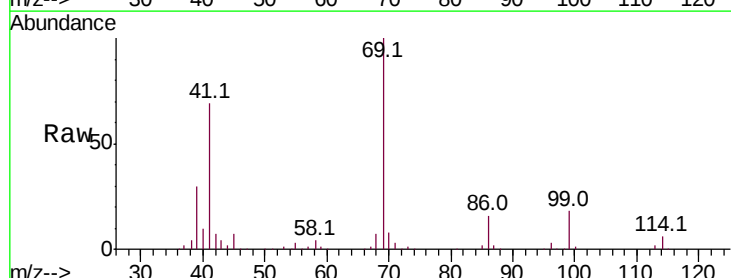
Manual Integrations
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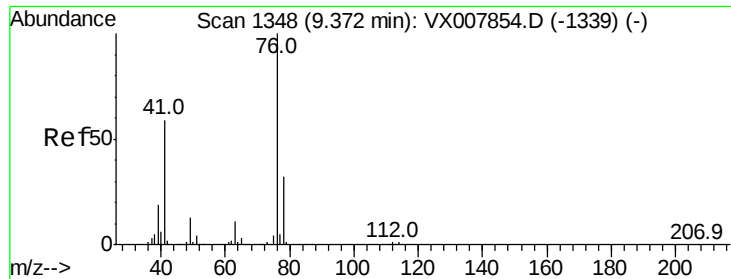
MMDadoda
3/14/2019 10:18:01 AM



#56
Ethyl methacrylate
Concen: 20.008 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion:	69	Resp:	67680
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.2	81.4
39	29.6	25.0	37.4





#57

1,3-Dichloropropane

Concen: 19.691 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 76 Resp: 74485

Ion Ratio Lower Upper

76 100

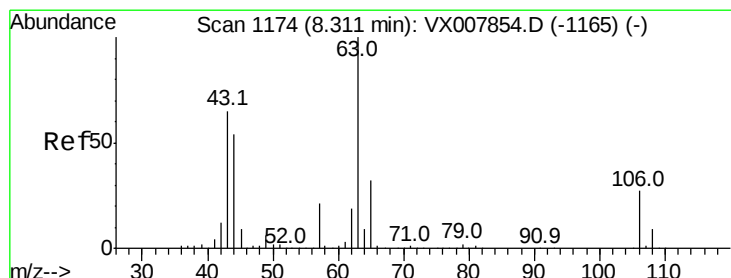
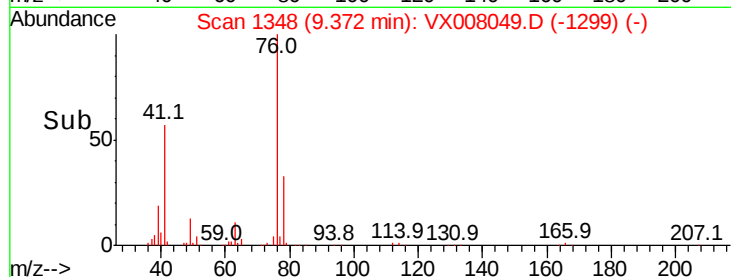
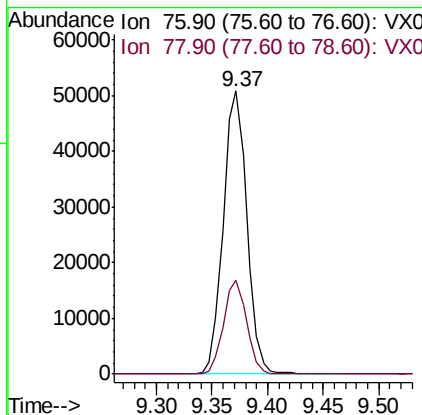
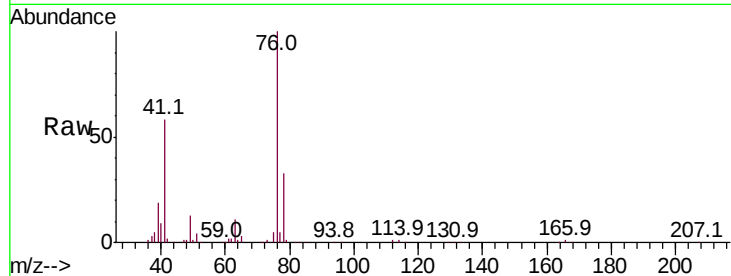
78 32.5 25.5 38.3

Manual Integrations

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3/14/2019 10:18:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 109.865 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008049.D

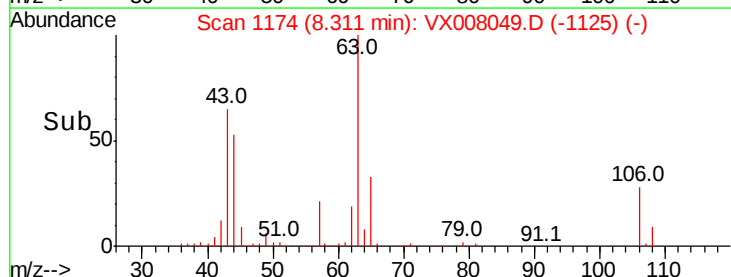
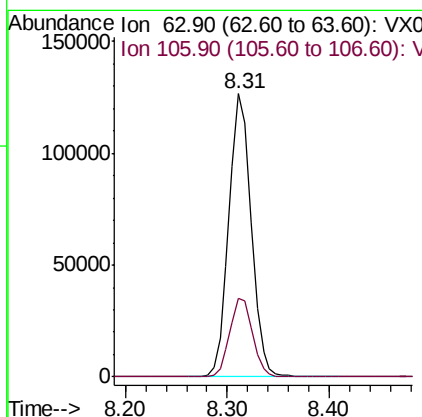
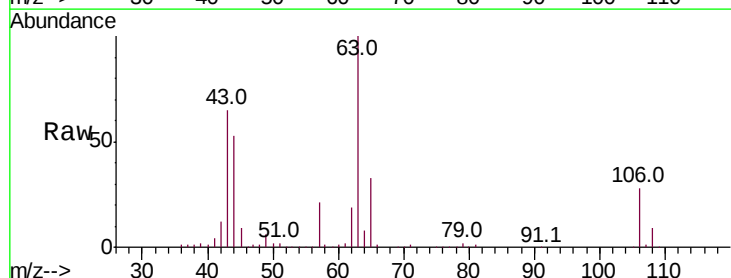
Acq: 13 Mar 2019 15:18

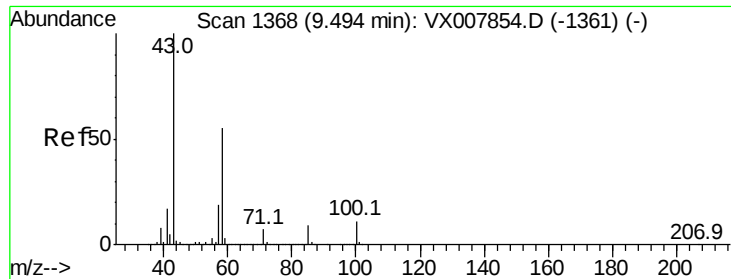
Tgt Ion: 63 Resp: 192234

Ion Ratio Lower Upper

63 100

106 28.4 22.2 33.2





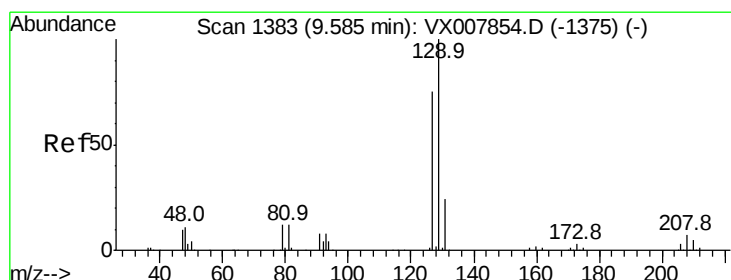
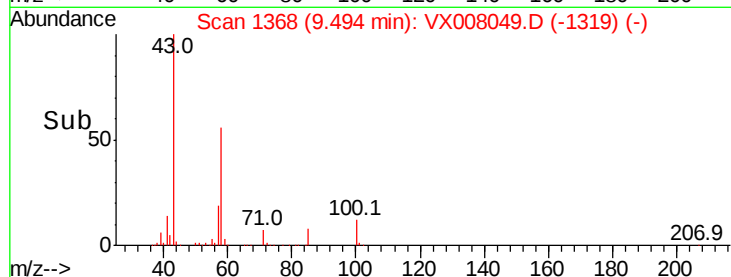
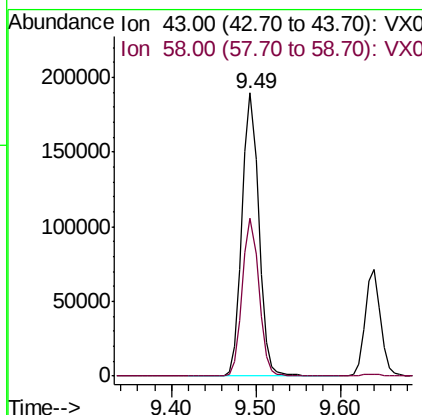
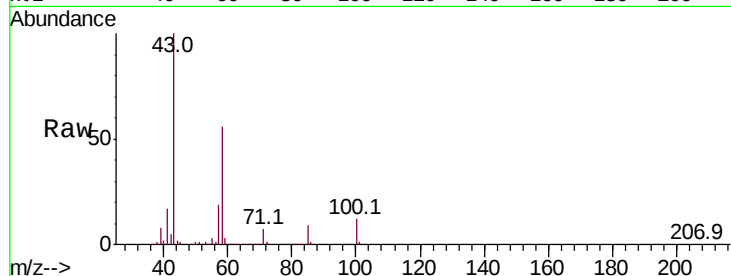
#59
2-Hexanone
Concen: 93.838 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion: 43 Resp: 251951
Ion Ratio Lower Upper
43 100
58 55.3 27.6 82.7

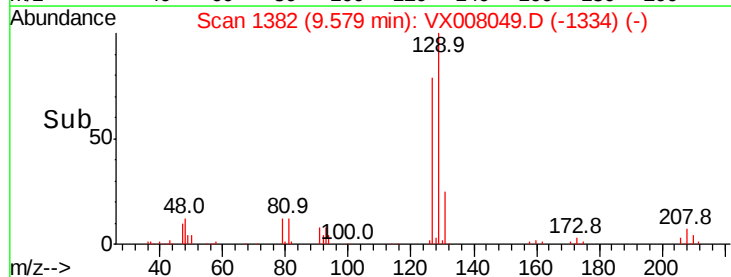
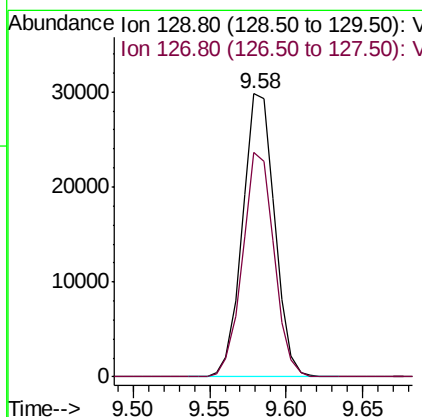
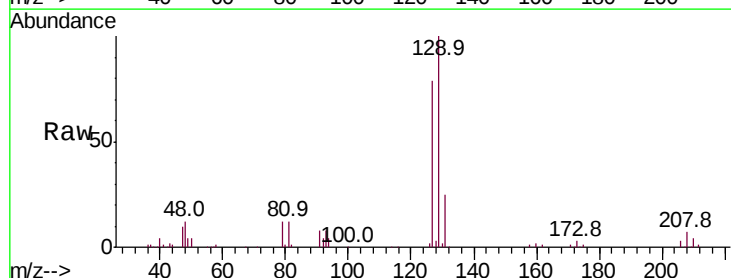
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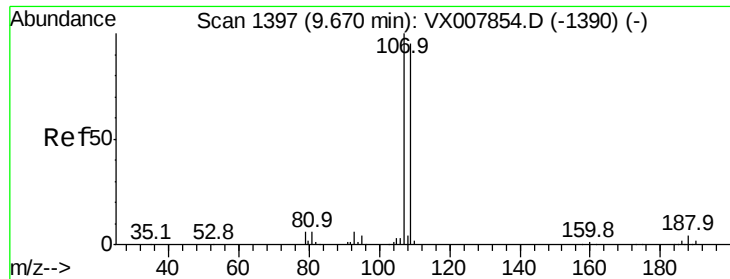
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#60
Dibromochloromethane
Concen: 18.448 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion: 129 Resp: 43442
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.8





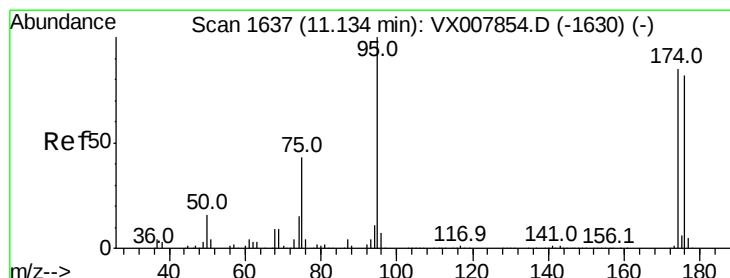
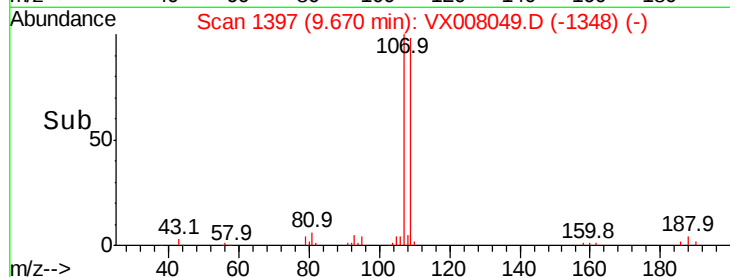
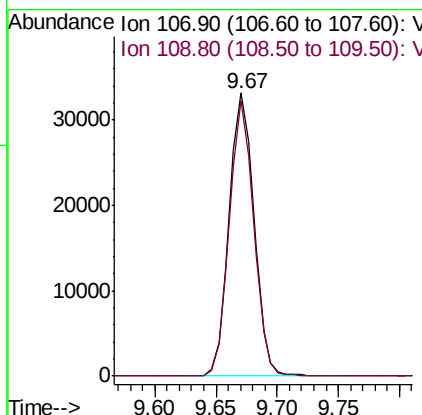
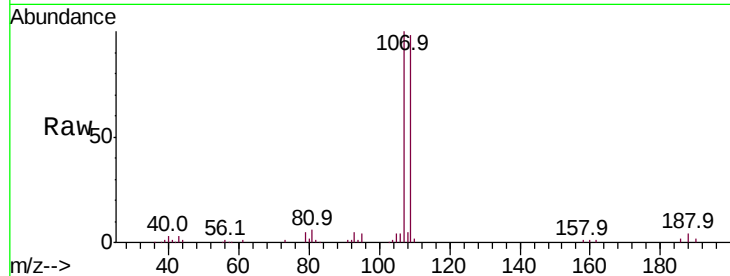
#61
 1,2-Dibromoethane
 Concen: 19.521 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008049.D
 Acq: 13 Mar 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.8	113.8

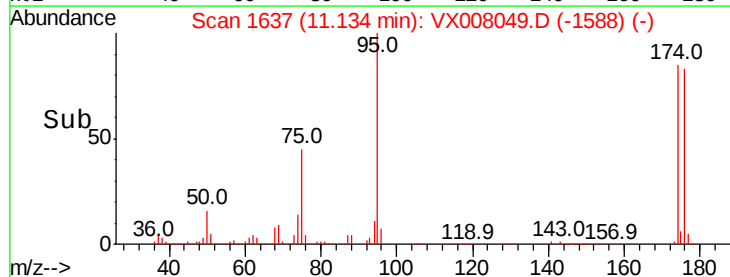
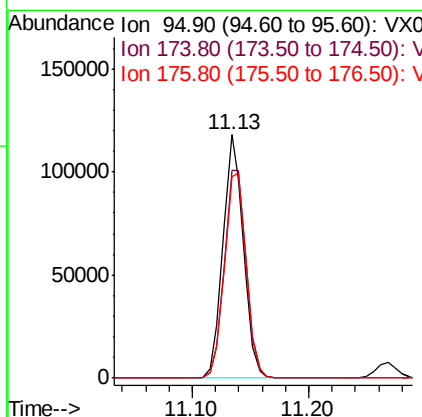
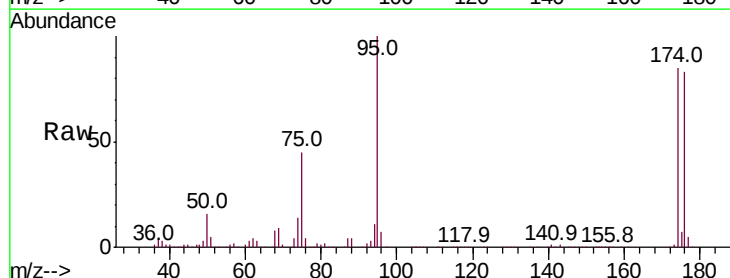
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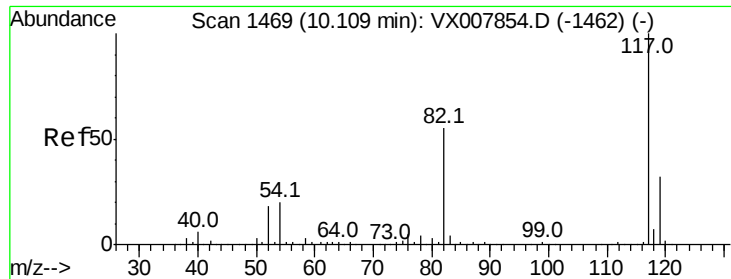
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#62
 4-Bromofluorobenzene
 Concen: 51.209 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008049.D
 Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	182.8
176	90.2	0.0	178.0





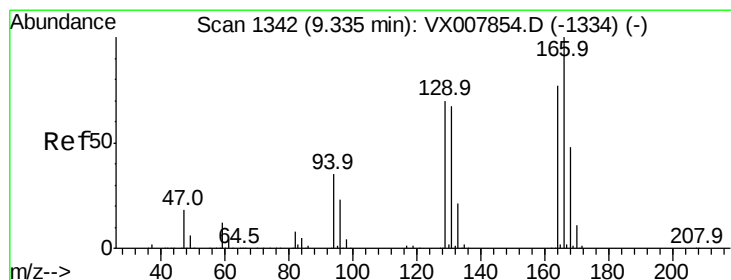
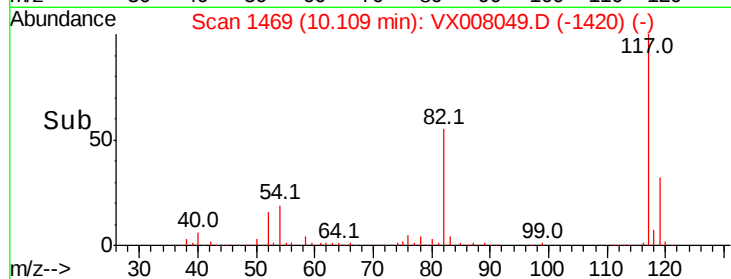
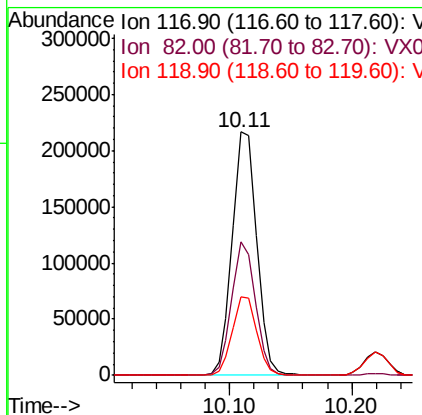
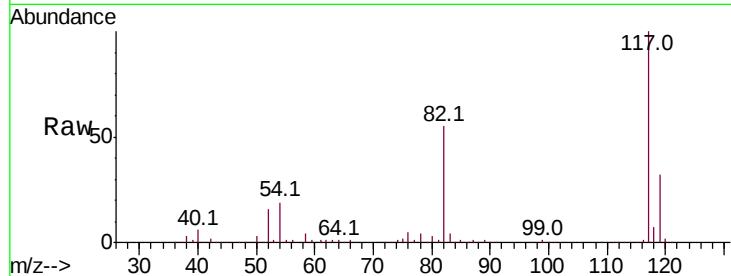
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299874		
82	55.1	44.3	66.5	
119	32.4	25.3	37.9	

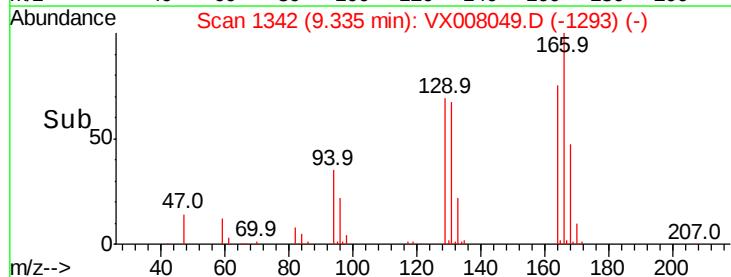
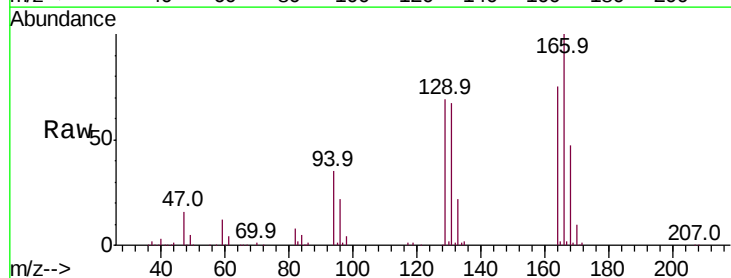
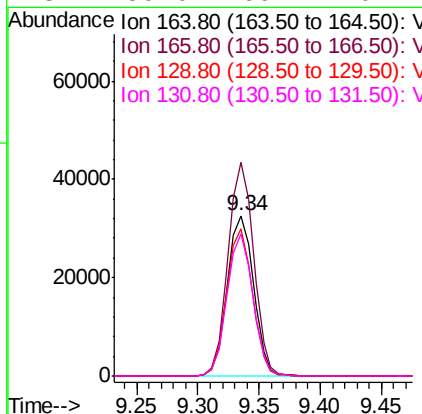
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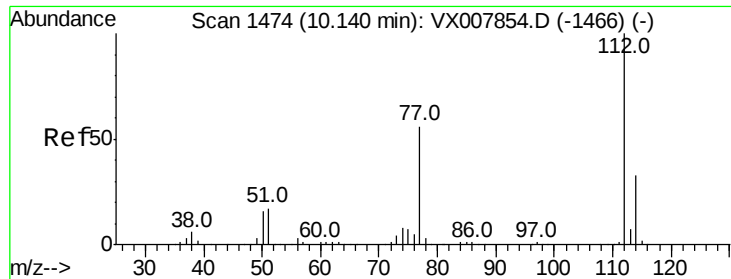
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#64
Tetrachloroethene
Concen: 19.484 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48418		
166	133.3	103.4	155.0	
129	91.6	72.2	108.4	
131	89.0	69.4	104.2	





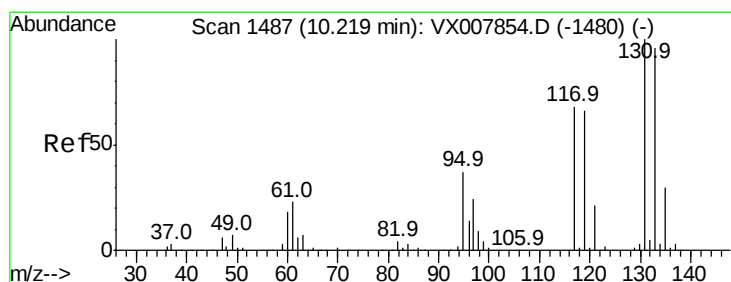
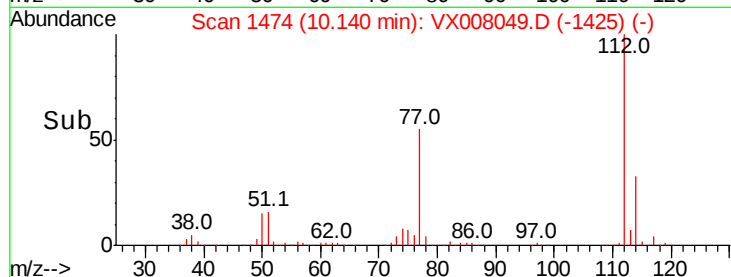
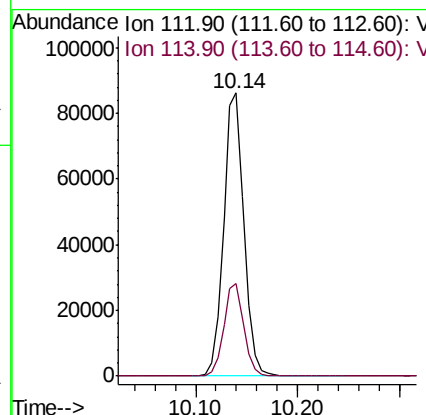
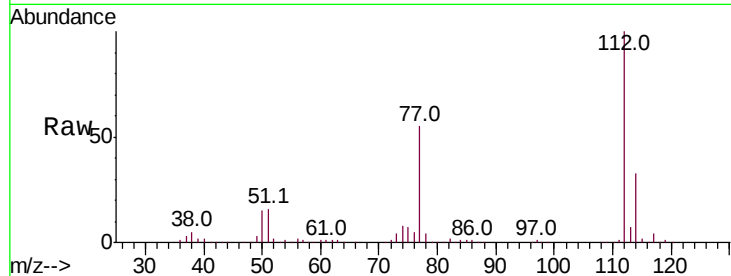
#65
Chlorobenzene
Concen: 19.072 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion:112 Resp: 119676
Ion Ratio Lower Upper
112 100
114 32.9 26.0 39.0

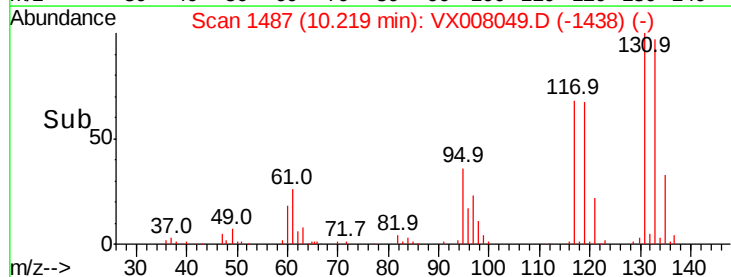
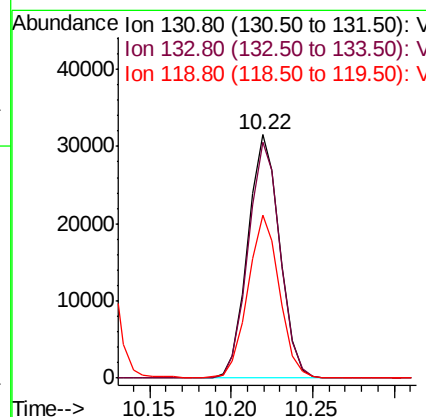
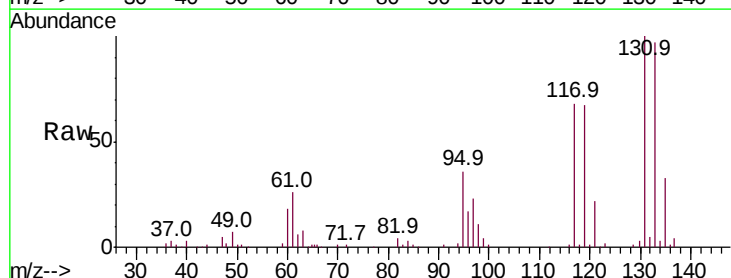
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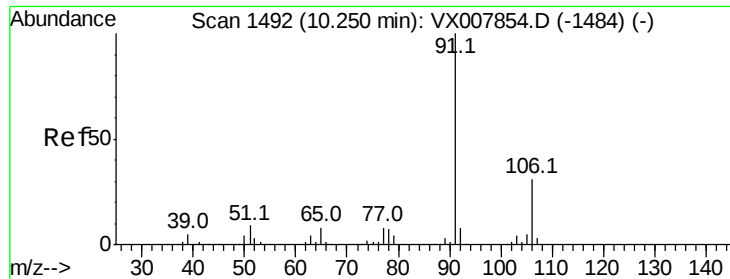
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.084 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion:131 Resp: 42920
Ion Ratio Lower Upper
131 100
133 97.0 47.8 143.3
119 66.5 32.5 97.5





#67

Ethyl Benzene

Concen: 19.377 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleID :

VX0313WBSD01

Tot Ion: 91 Resp: 200149

Ion Ratio Lower Upper

91 100

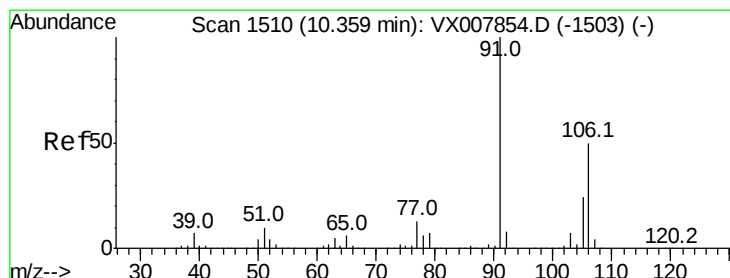
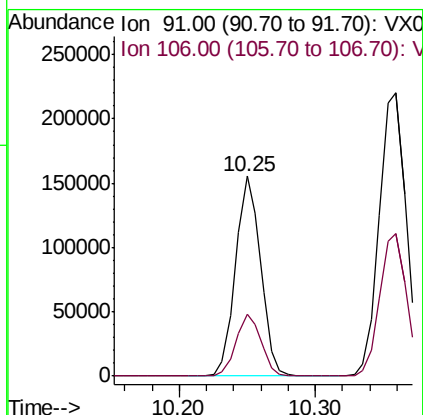
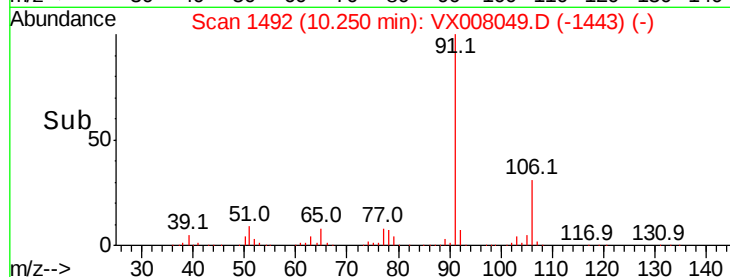
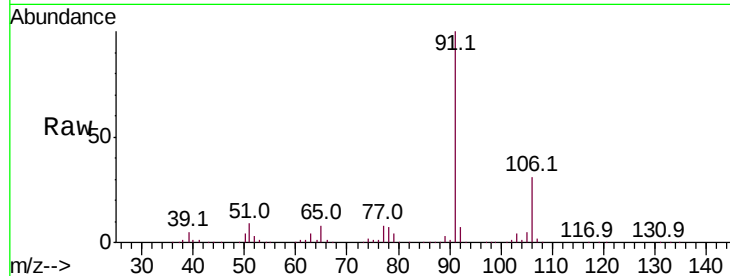
106 30.9 25.2 37.8

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#68

m/p-Xylenes

Concen: 38.327 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008049.D

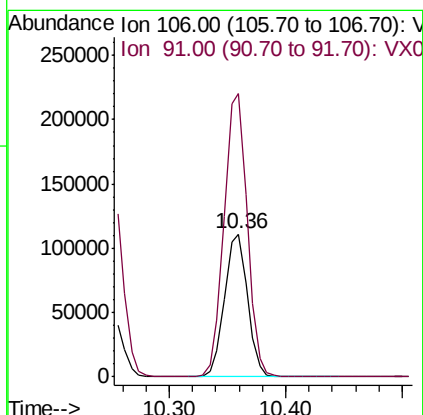
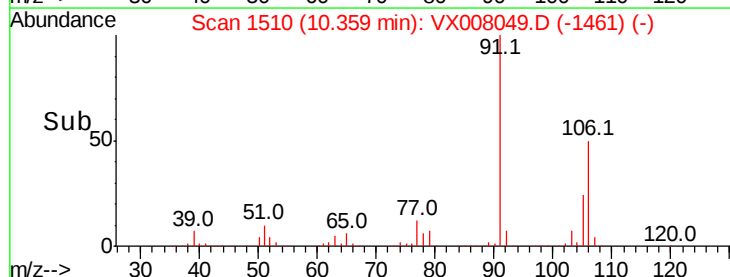
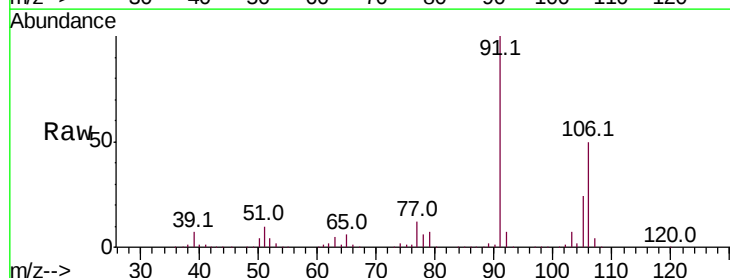
Acq: 13 Mar 2019 15:18

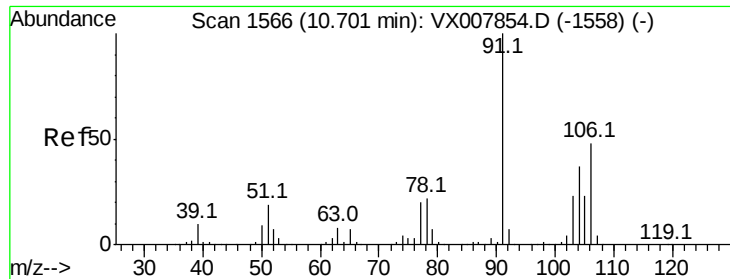
Tgt Ion: 106 Resp: 152599

Ion Ratio Lower Upper

106 100

91 199.4 159.8 239.6





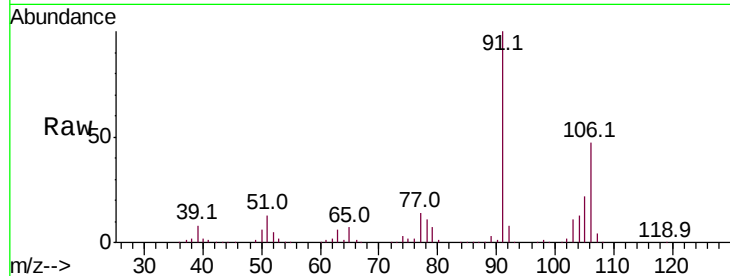
#69
o-Xylene
Concen: 19.230 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

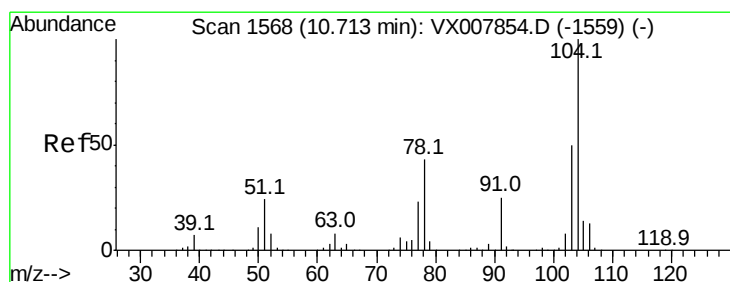
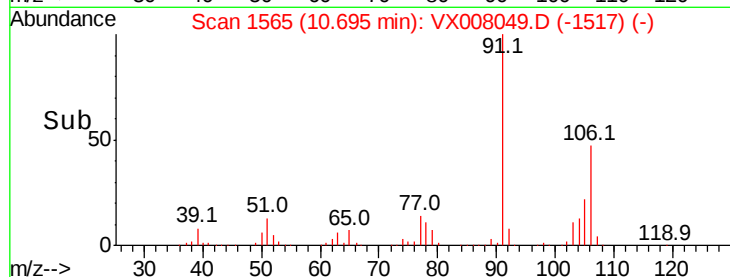
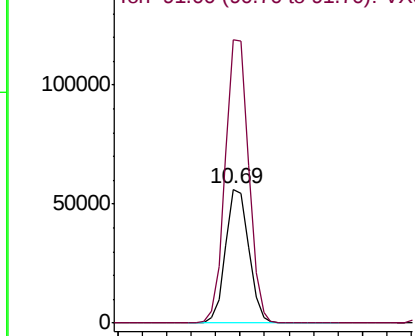
Tot Ion:106 Resp: 73919
Ion Ratio Lower Upper
106 100
91 213.8 106.3 318.9

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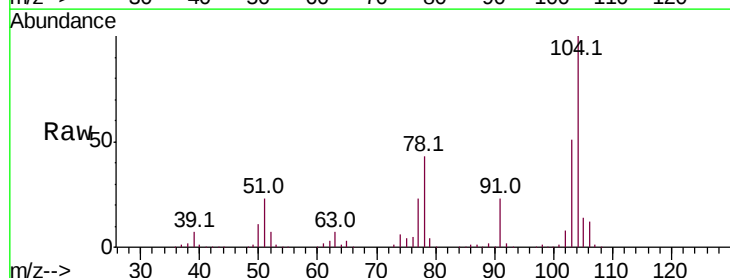


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

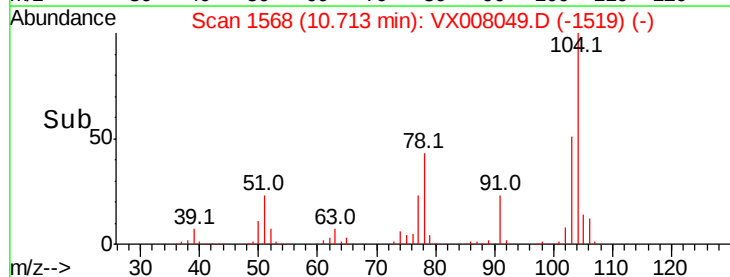
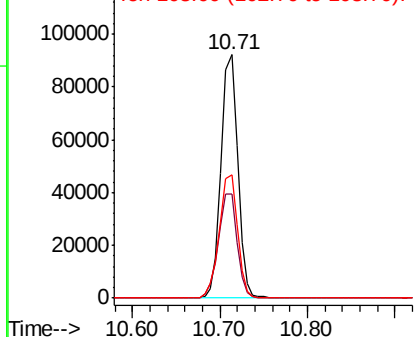


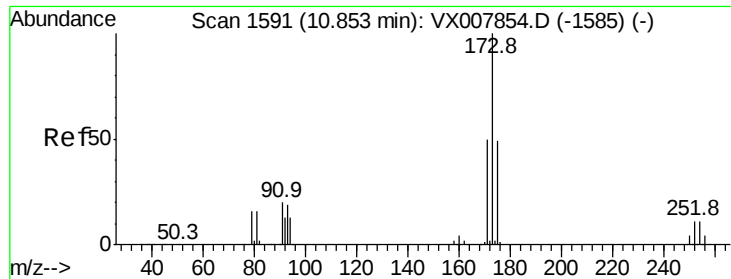
#70
Styrene
Concen: 19.421 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion:104 Resp: 122159
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 55.1 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.439 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion:173 Resp: 33682

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.9

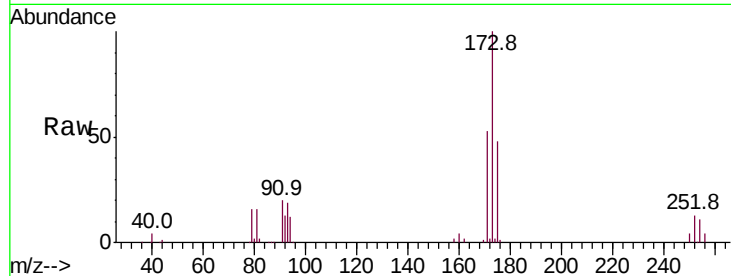
254 0.1 0.1 0.1#

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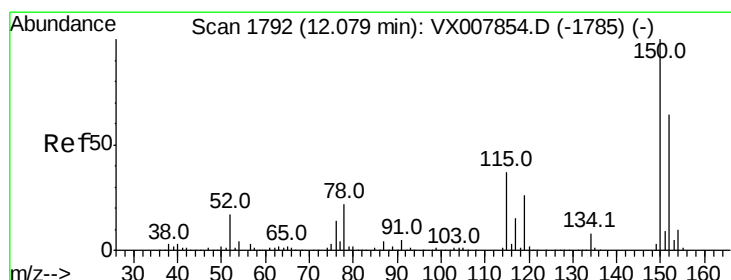
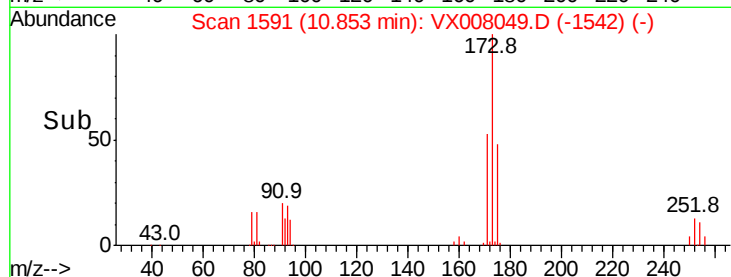
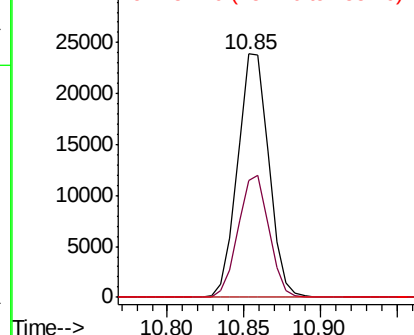
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

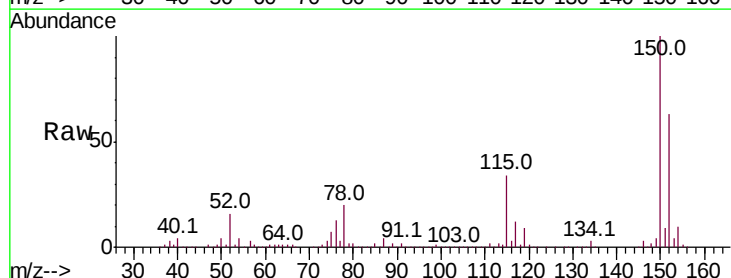
Tgt Ion:152 Resp: 148111

Ion Ratio Lower Upper

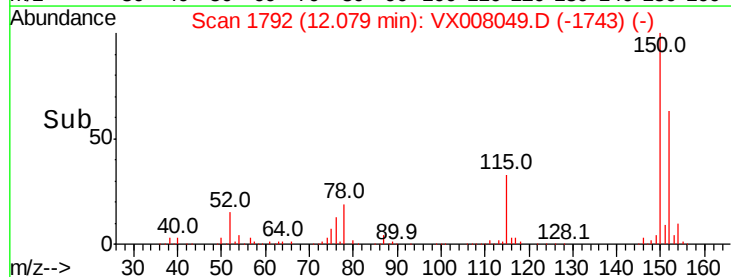
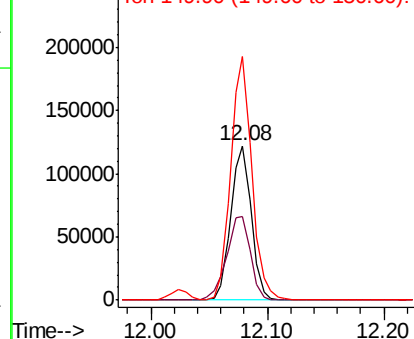
152 100

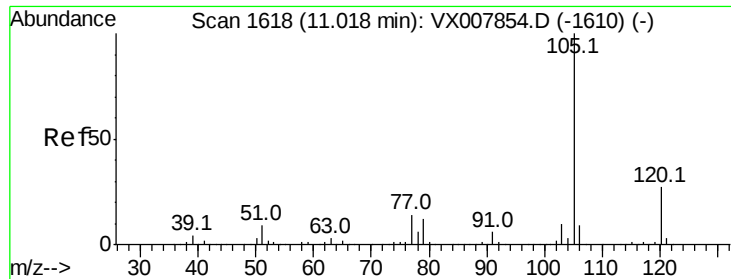
115 62.8 38.6 115.7

150 162.4 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.889 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion:105 Resp: 199229

Ion Ratio Lower Upper

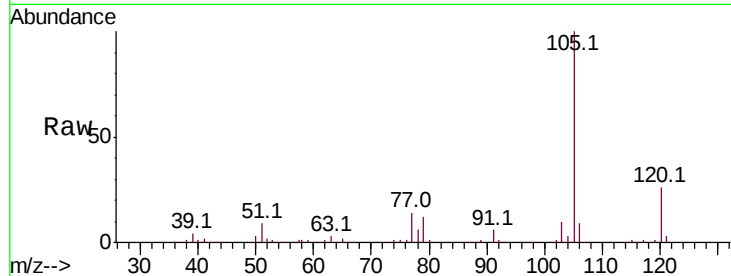
105 100

120 26.5 13.4 40.1

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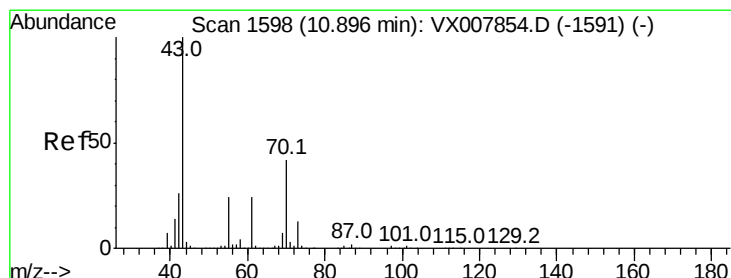
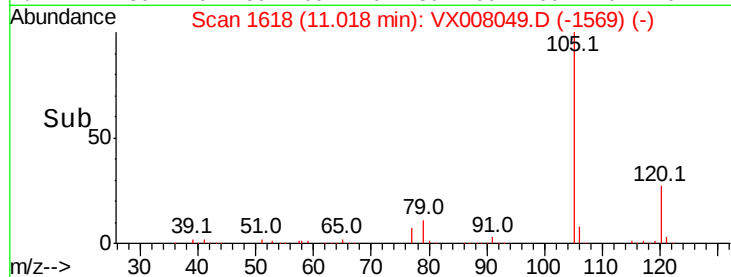
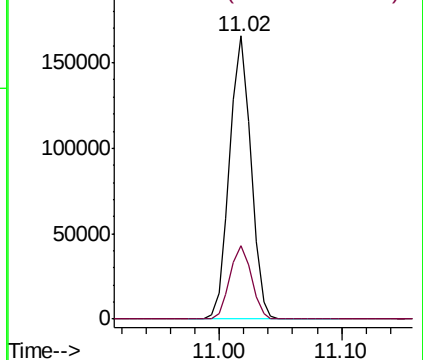
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.524 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion: 43 Resp: 84711

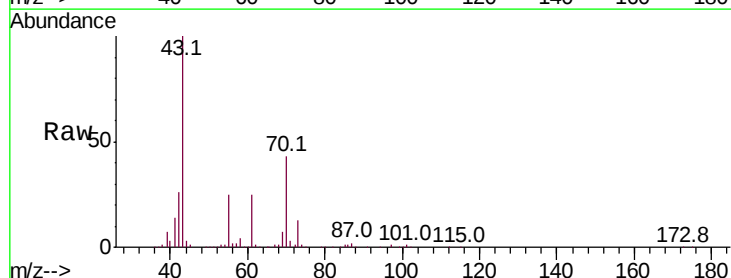
Ion Ratio Lower Upper

43 100

70 42.6 33.5 50.3

55 25.3 19.2 28.8

61 24.7 19.0 28.6

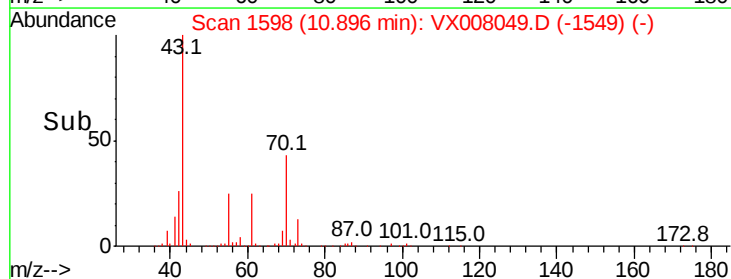
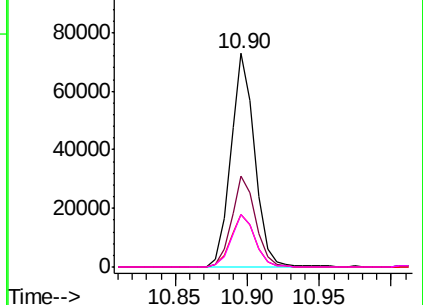


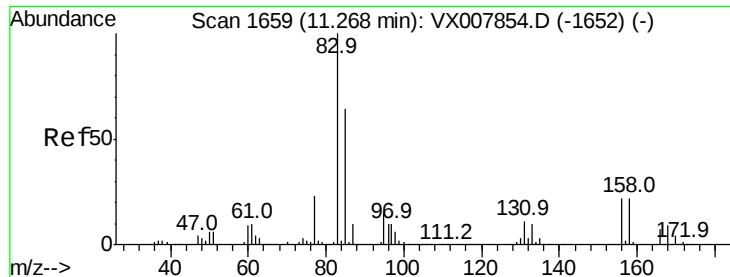
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.049 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampled :

VX0313WBSD01

Tot Ion: 83 Resp: 65819

Ion Ratio Lower Upper

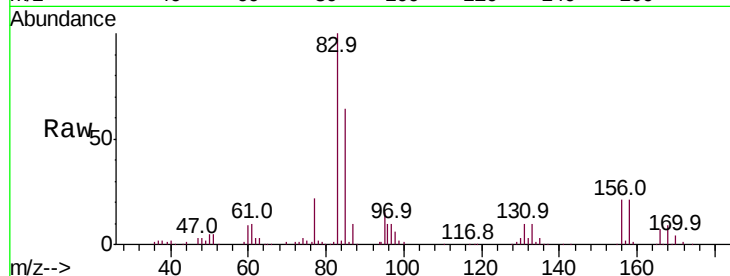
83 100

131 10.8 5.4 16.2

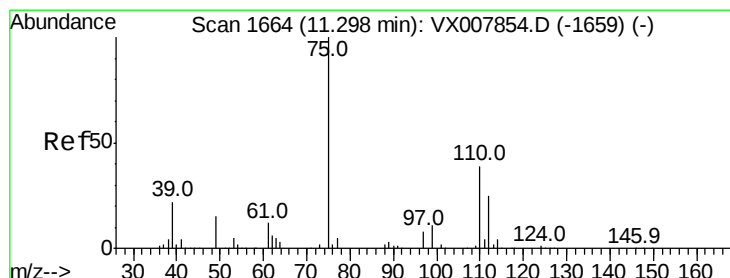
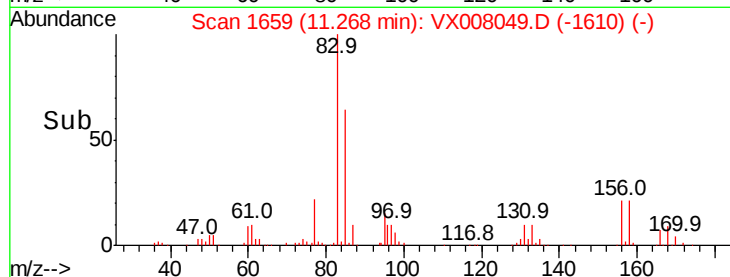
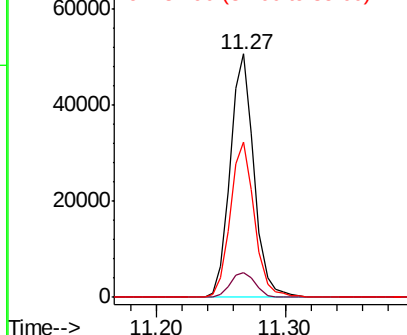
85 65.0 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.254 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX008049.D

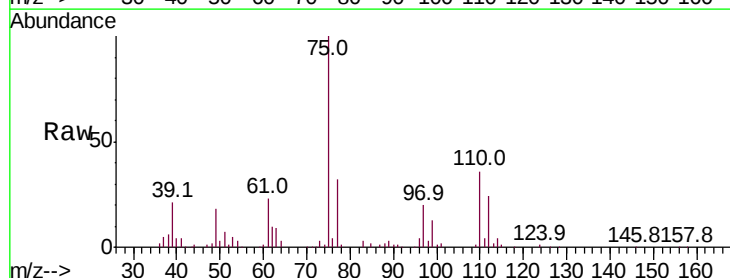
Acq: 13 Mar 2019 15:18

Tgt Ion: 75 Resp: 62950

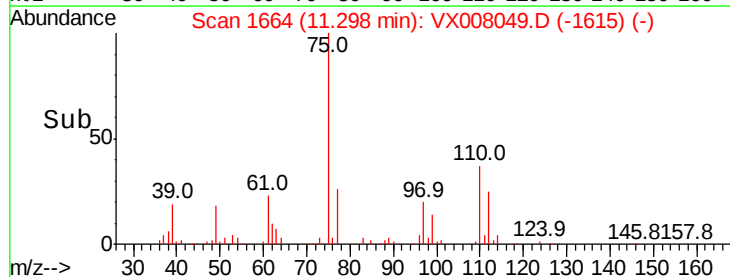
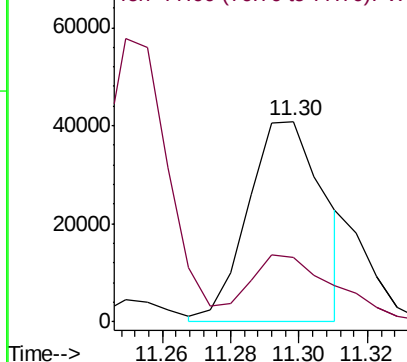
Ion Ratio Lower Upper

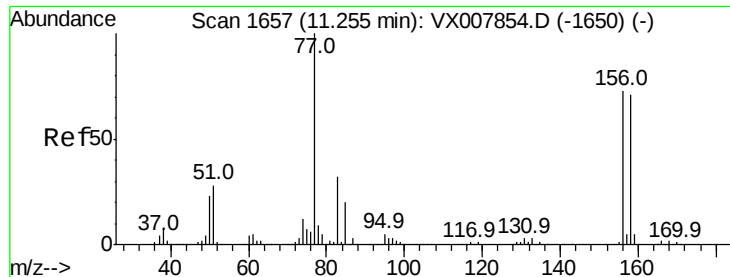
75 100

77 38.5 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.499 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion:156 Resp: 53549

Ion Ratio Lower Upper

156 100

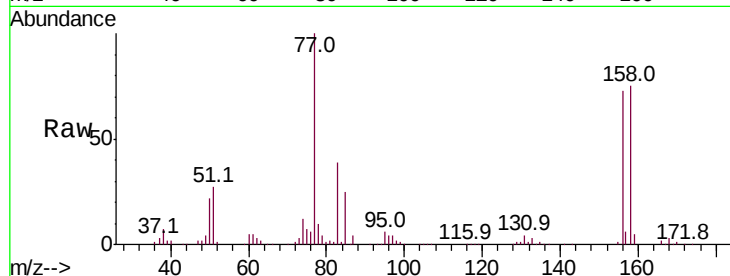
77 142.4 72.0 215.9

158 99.3 48.6 145.9

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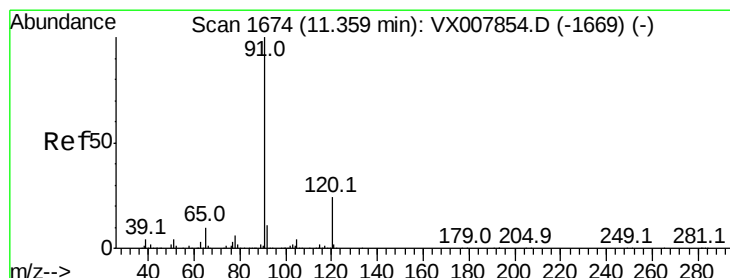
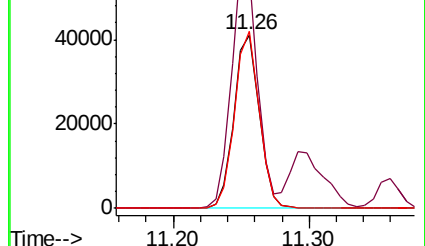
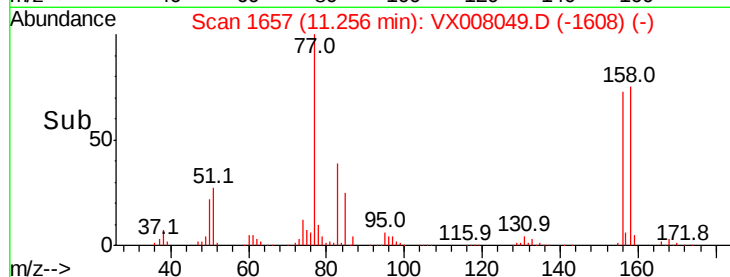
3/14/2019 10:18:01 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.595 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008049.D

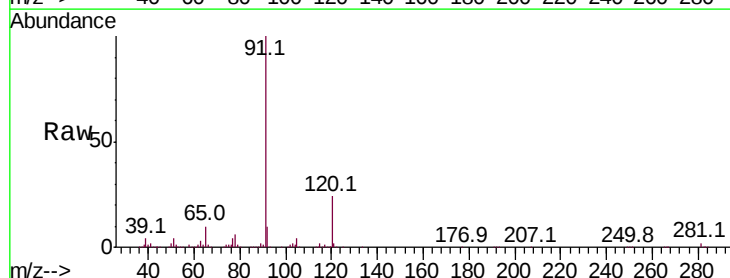
Acq: 13 Mar 2019 15:18

Tgt Ion: 91 Resp: 217753

Ion Ratio Lower Upper

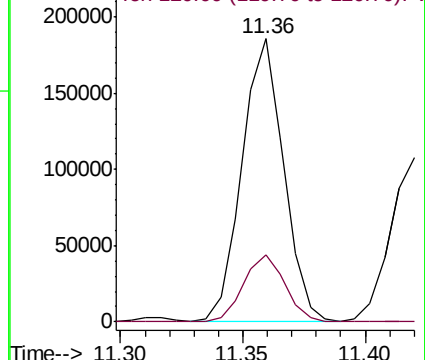
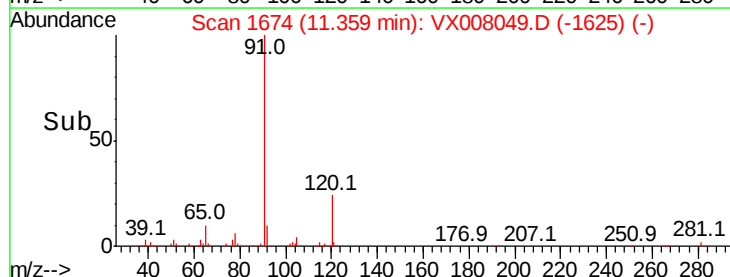
91 100

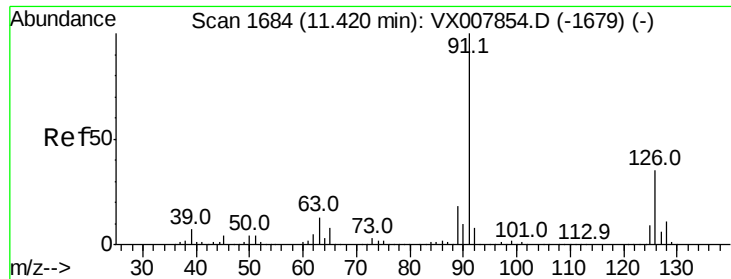
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.431 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampleId :

VX0313WBSD01

Tot Ion: 91 Resp: 132028

Ion Ratio Lower Upper

91 100

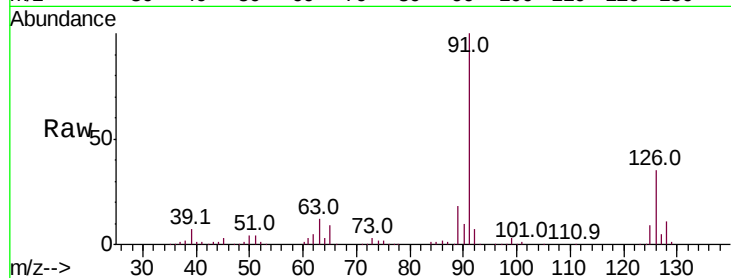
126 35.1 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

200000

150000

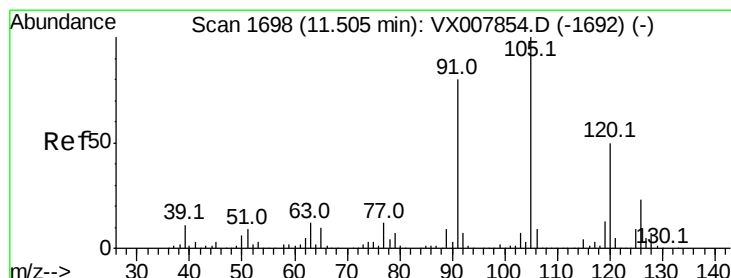
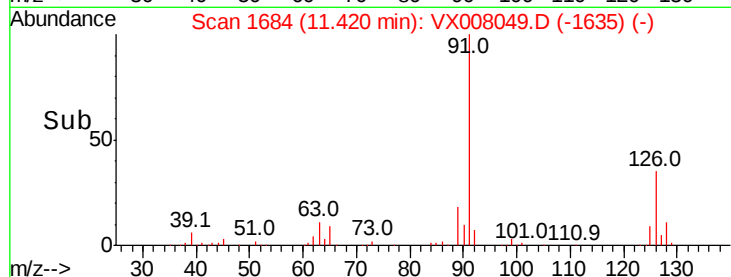
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.959 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008049.D

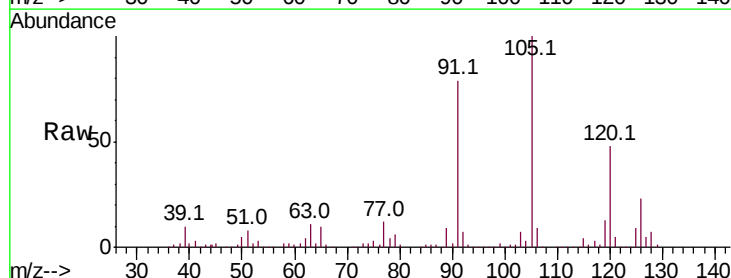
Acq: 13 Mar 2019 15:18

Tgt Ion: 105 Resp: 164549

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

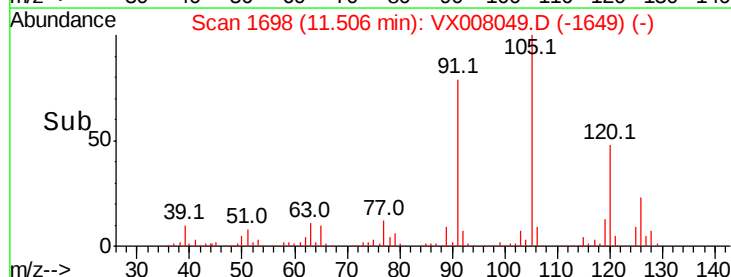
100000

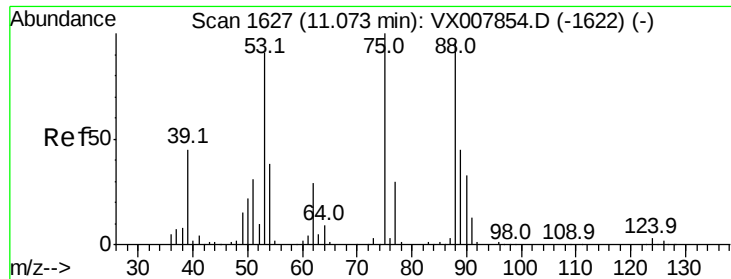
50000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.480 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampled :

VX0313WBSD01

Tot Ion: 75 Resp: 16996

Ion Ratio Lower Upper

75 100

53 101.8 76.1 114.1

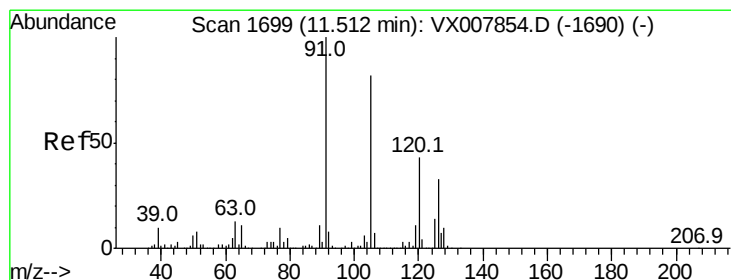
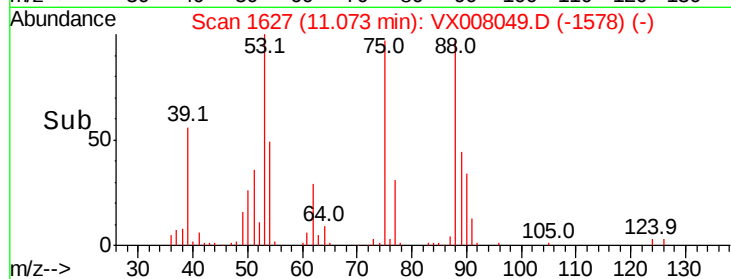
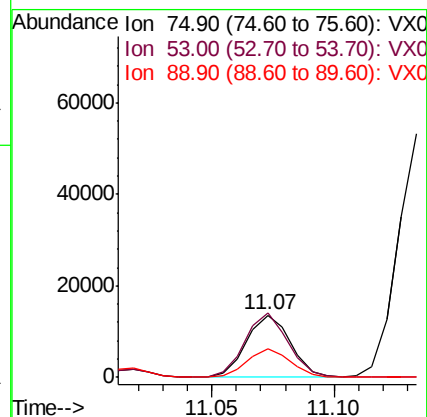
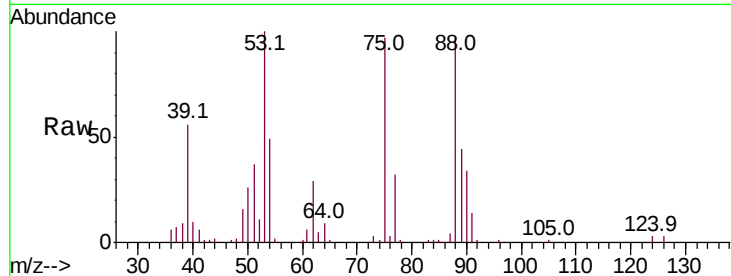
89 45.8 36.3 54.5

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#82

4-Chlorotoluene

Concen: 19.182 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008049.D

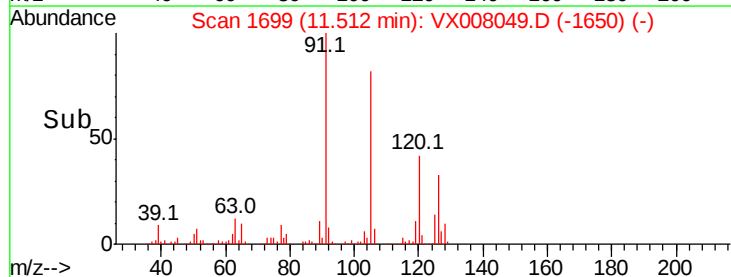
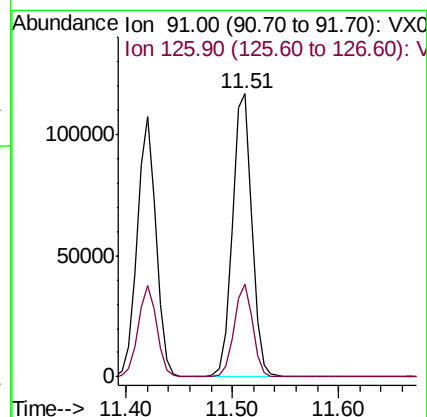
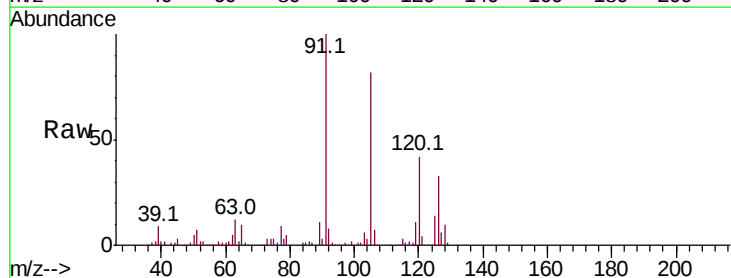
Acq: 13 Mar 2019 15:18

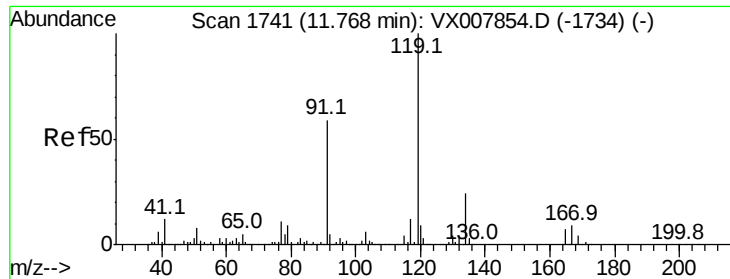
Tgt Ion: 91 Resp: 149359

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8





#83

tert-Butylbenzene

Concen: 19.241 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

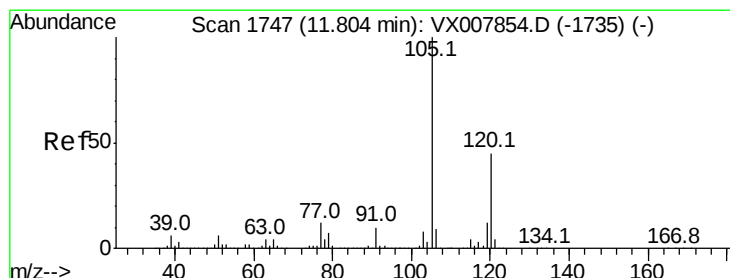
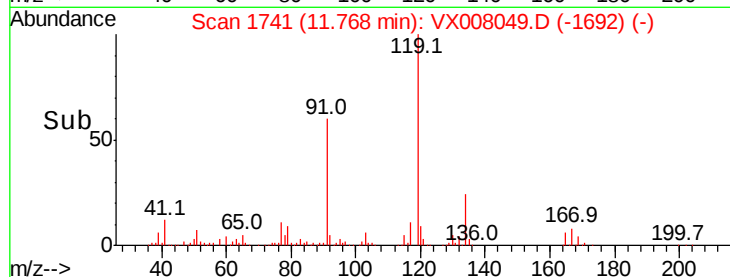
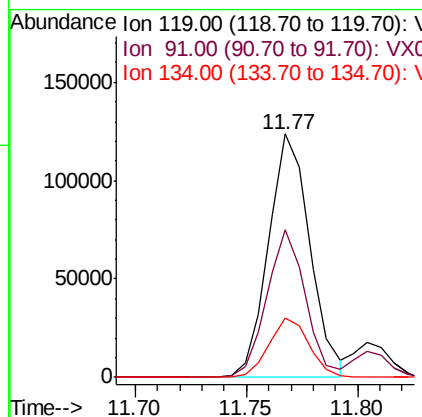
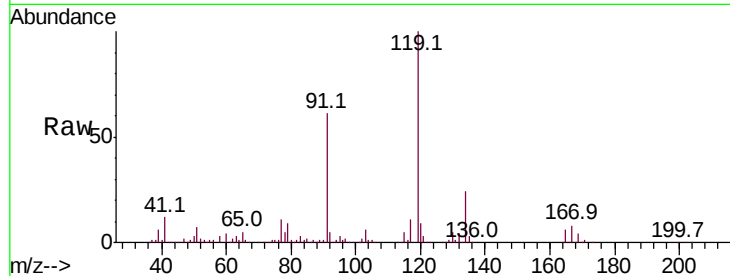
ClientSampleId :

VX0313WBSD01

Tot Ion:	119	Resp:	159793
Ion Ratio	Lower	Upper	
119	100		
91	56.6	27.1	81.3
134	23.7	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 19.961 ug/l

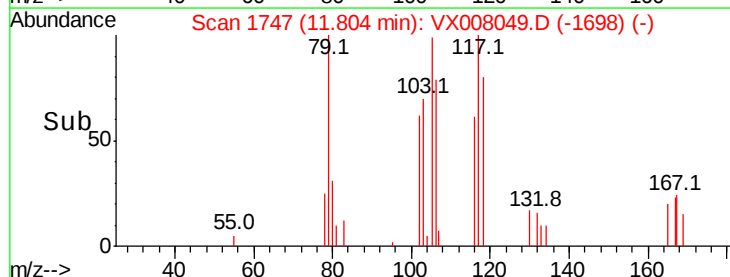
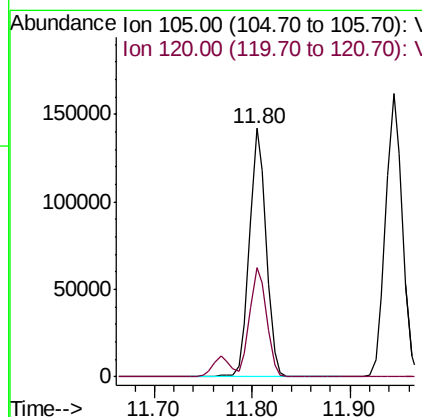
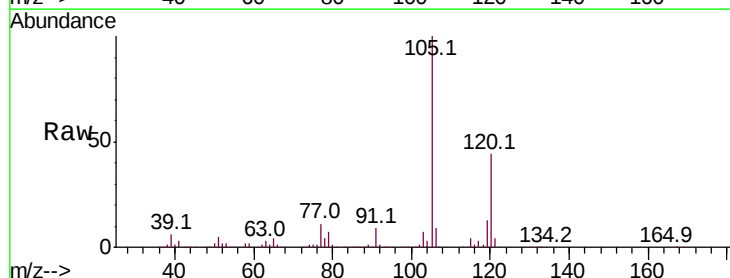
RT: 11.80 min Scan# 1747

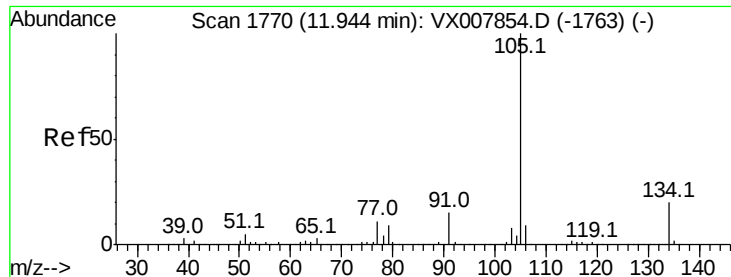
Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	105	Resp:	168707
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.796 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

ClientSampled :

VX0313WBSD01

Tot Ion:105 Resp: 193625

Ion Ratio Lower Upper

105 100

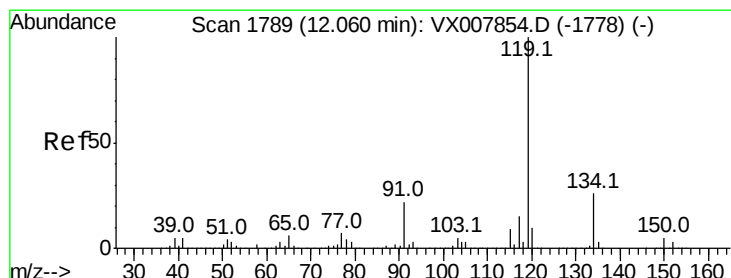
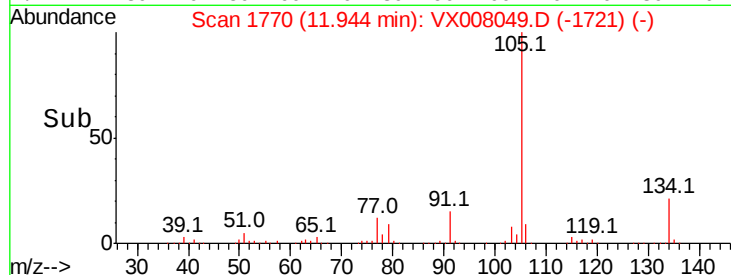
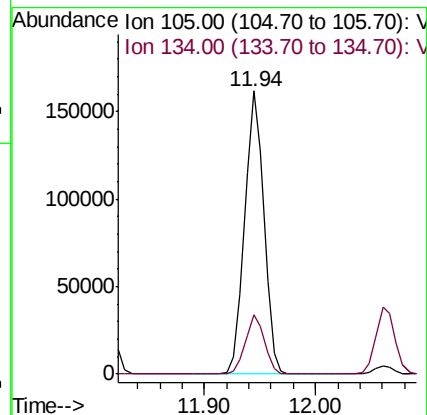
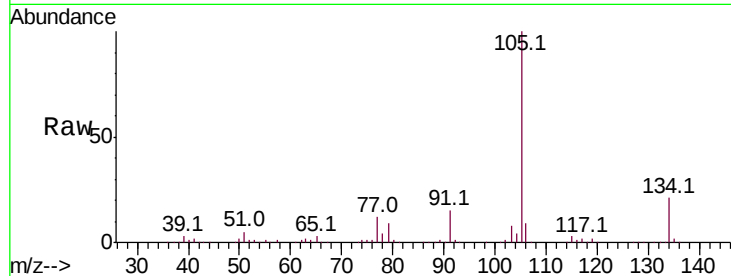
134 20.6 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.593 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

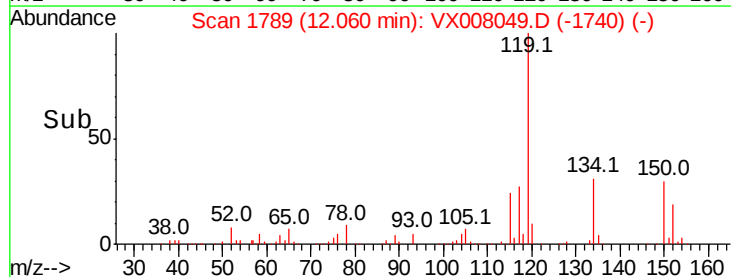
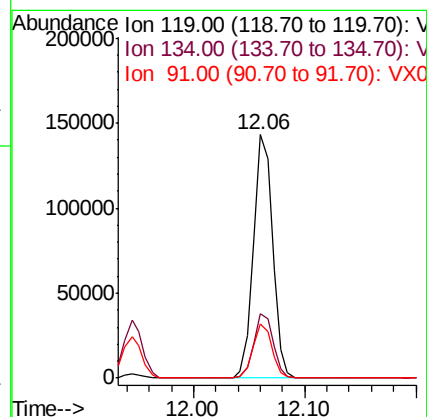
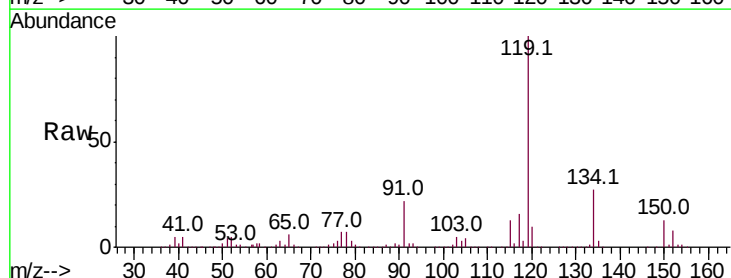
Tgt Ion:119 Resp: 171621

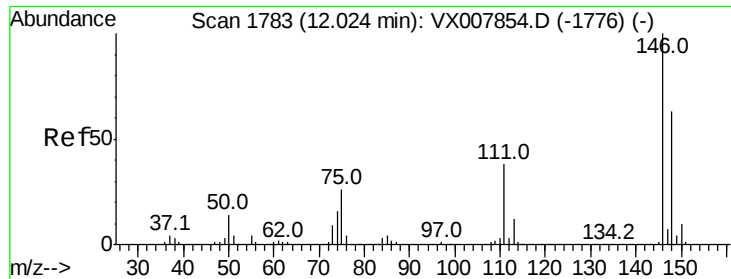
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 22.1 10.9 32.7





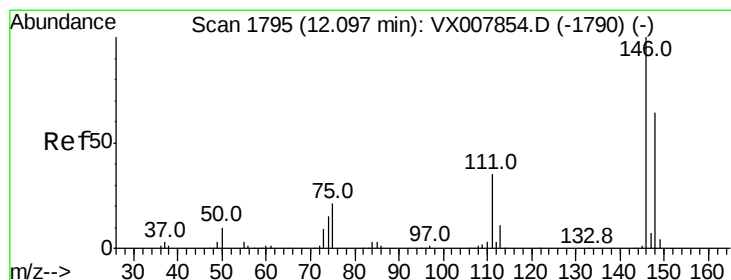
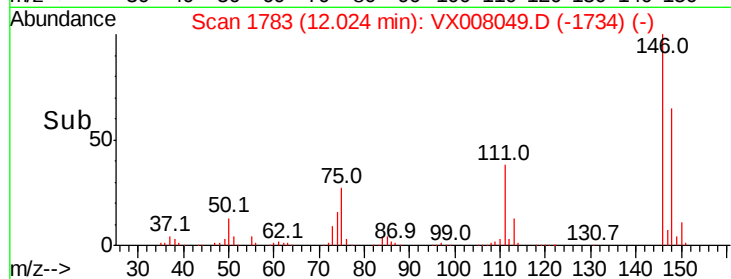
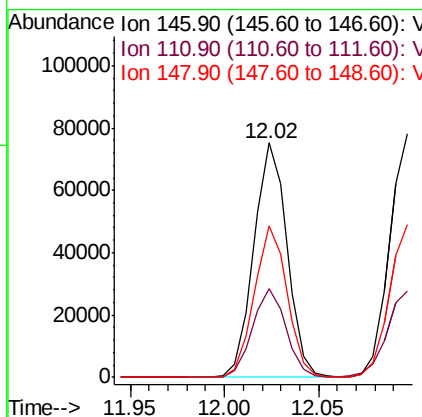
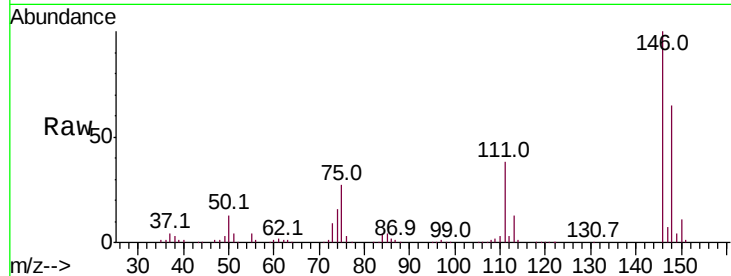
#87
 1,3-Dichlorobenzene
 Concen: 18.919 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008049.D
 Acq: 13 Mar 2019 15:18

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.7
148	64.1	31.7	95.1

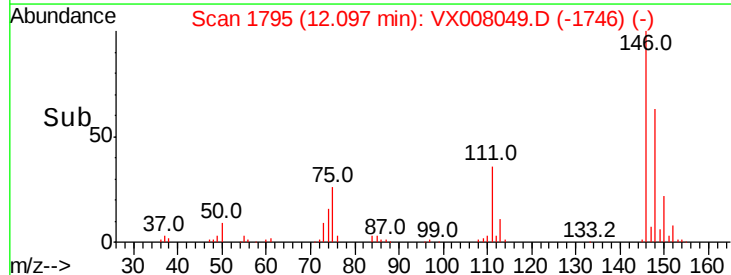
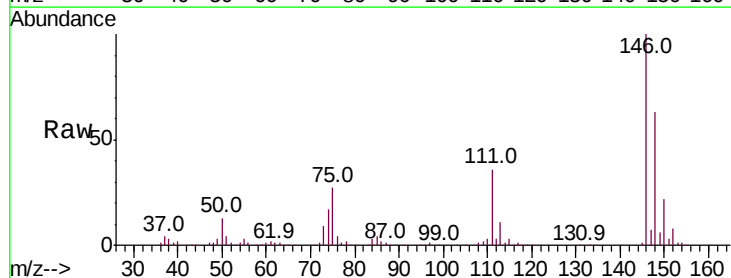
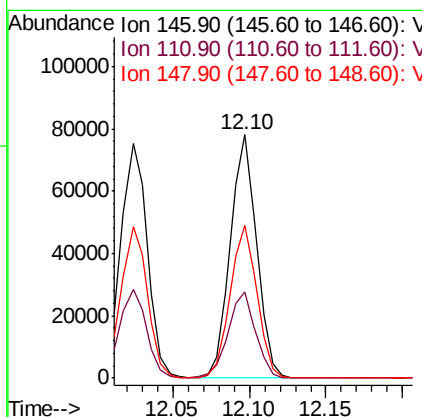
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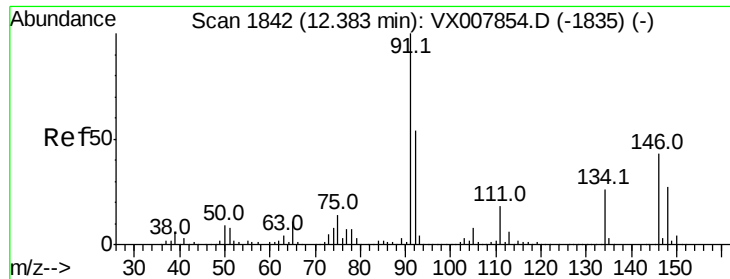
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#88
 1,4-Dichlorobenzene
 Concen: 18.722 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008049.D
 Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.0
148	64.0	32.2	96.6





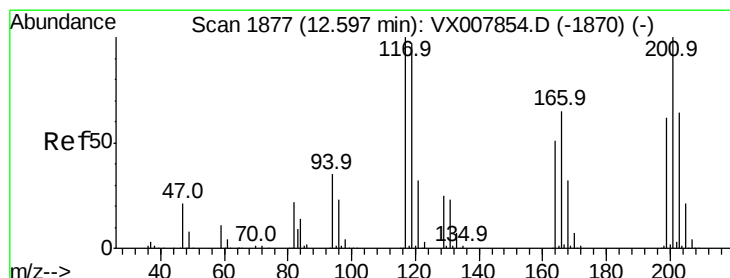
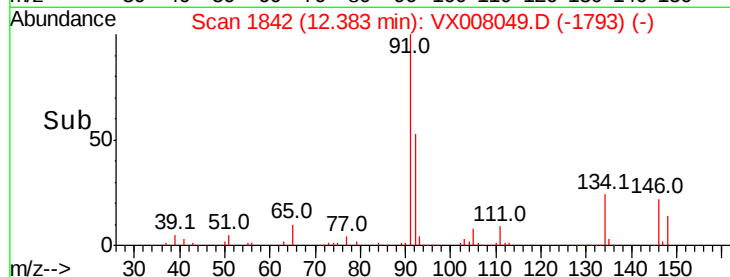
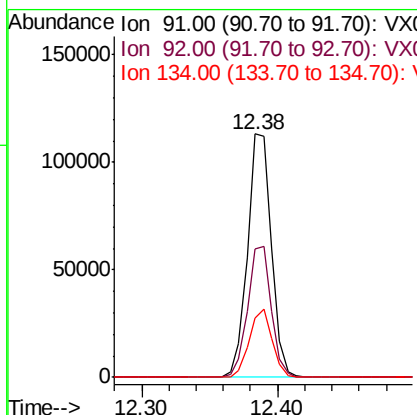
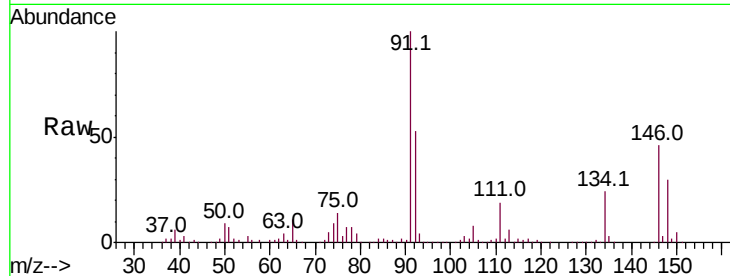
#89
n-Butylbenzene
Concen: 18.728 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	27.0	13.7	41.0

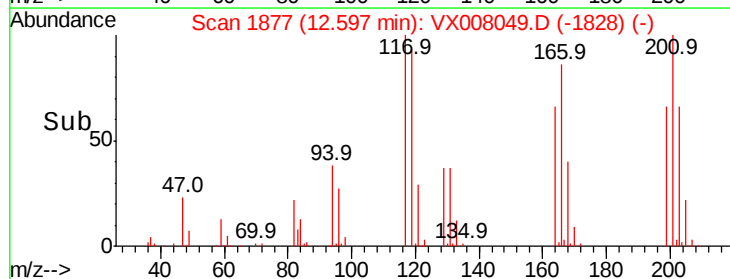
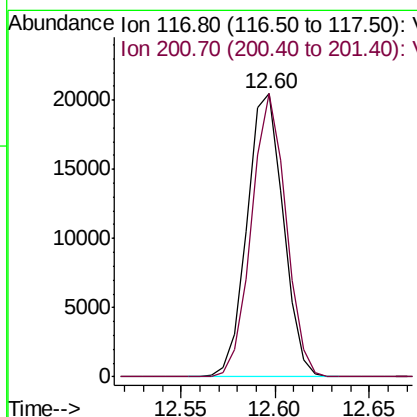
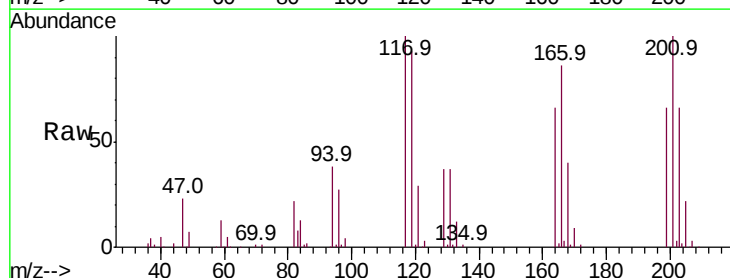
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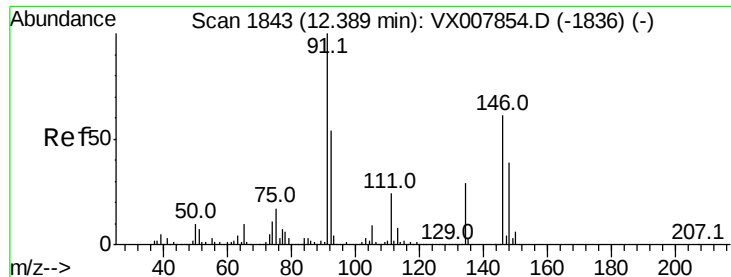
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3/14/2019 10:18:01 AM



#90
Hexachloroethane
Concen: 18.631 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.0	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 19.333 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Instrument :

MSVOA_X

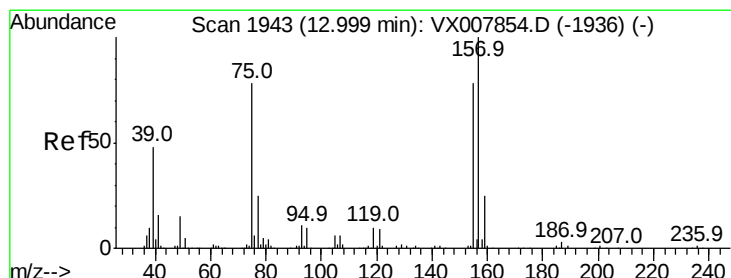
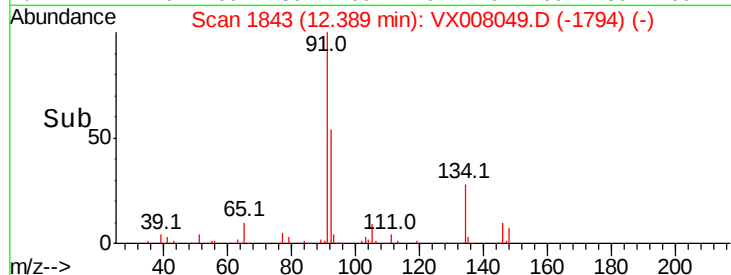
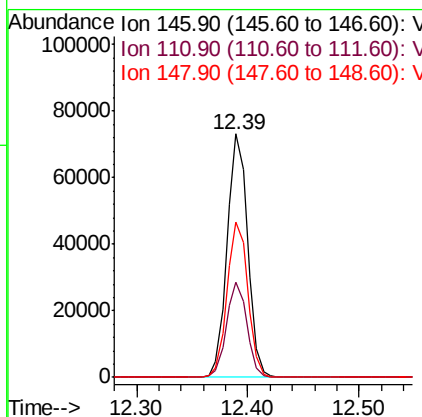
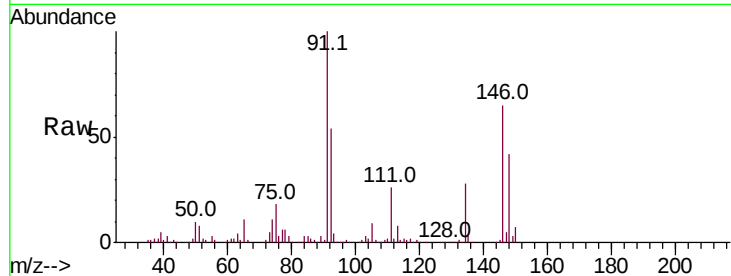
ClientSampleId :

VX0313WBSD01

Tot Ion:	146	Resp:	93314
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.6	58.8
148	64.4	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.976 ug/l

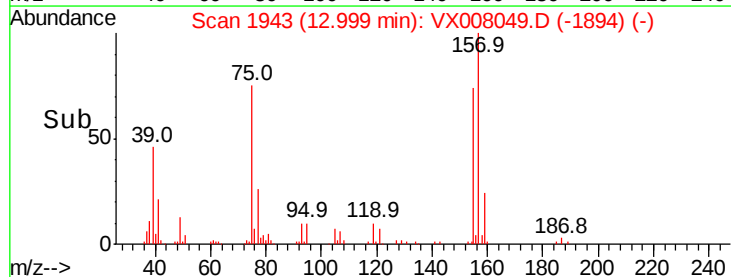
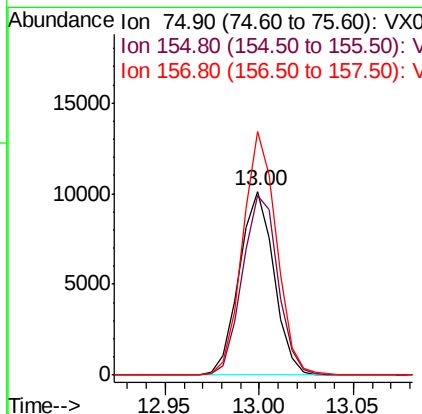
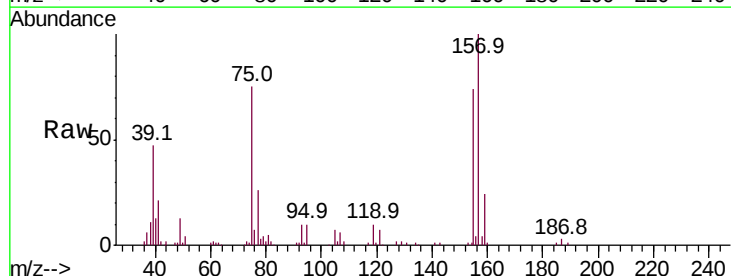
RT: 13.00 min Scan# 1943

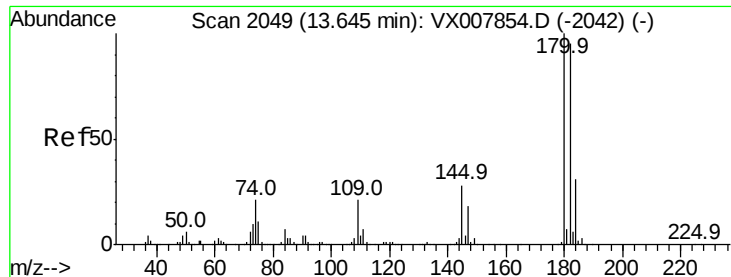
Delta R.T. 0.00 min

Lab File: VX008049.D

Acq: 13 Mar 2019 15:18

Tgt Ion:	75	Resp:	12981
Ion Ratio	Lower	Upper	
75	100		
155	99.8	49.7	149.1
157	128.4	63.8	191.4





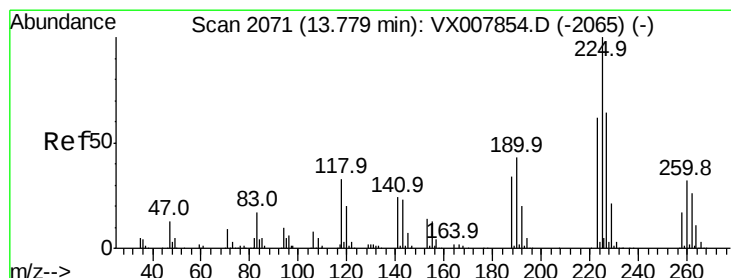
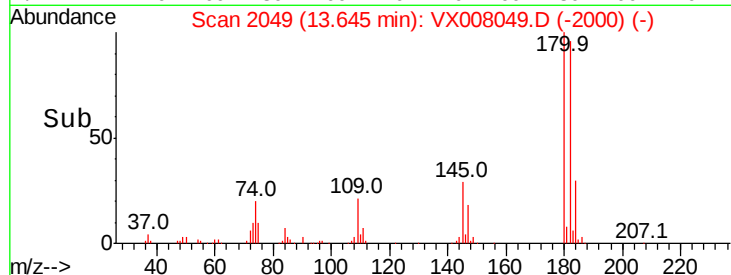
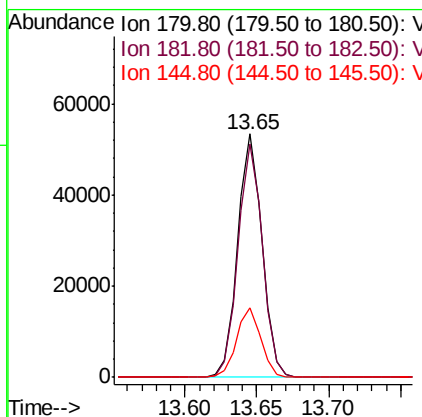
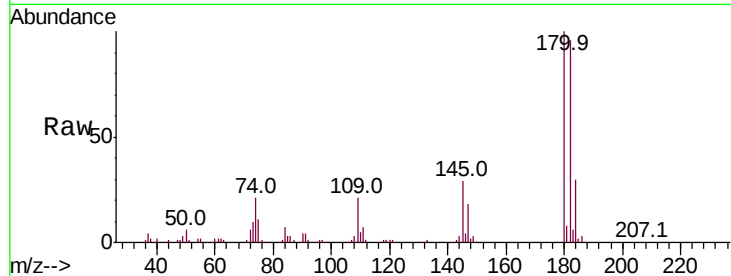
#93
1,2,4-Trichlorobenzene
Concen: 18.594 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	28.5	14.1	42.4

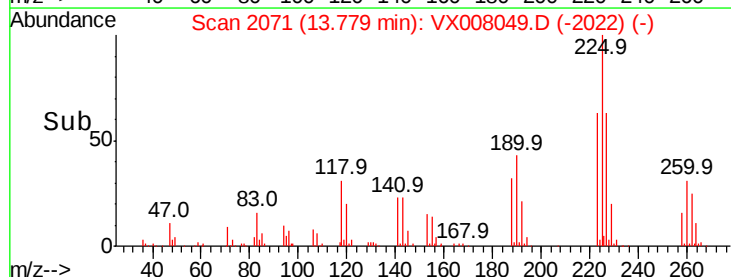
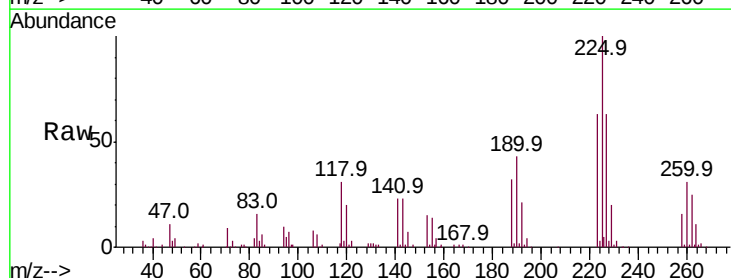
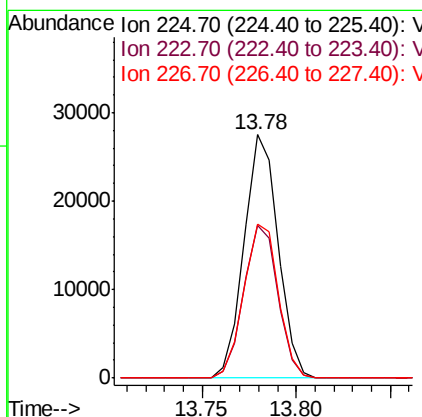
Manual Integrations
APPROVED

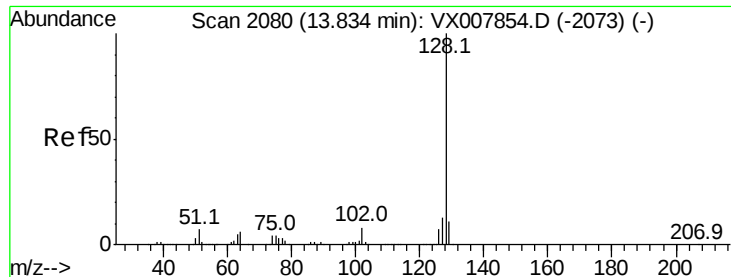
MMDadoda
3/14/2019 10:18:01 AM



#94
Hexachlorobutadiene
Concen: 19.463 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.1	93.2
227	64.4	32.0	96.0





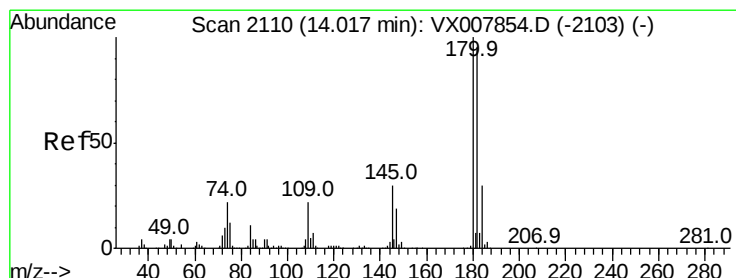
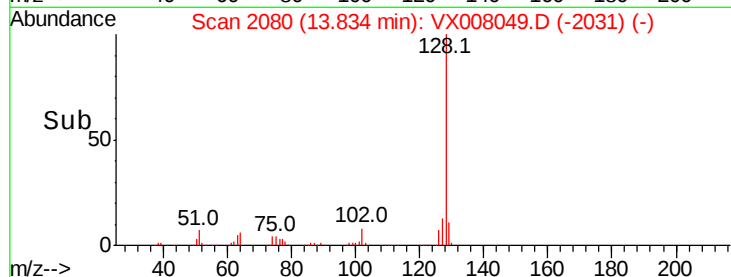
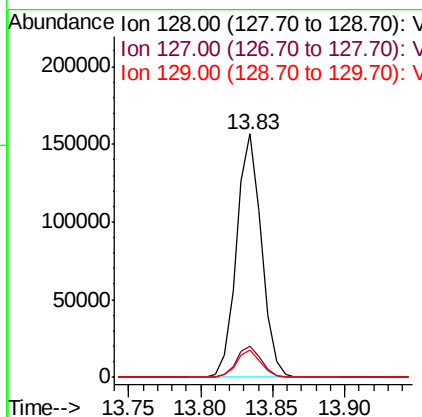
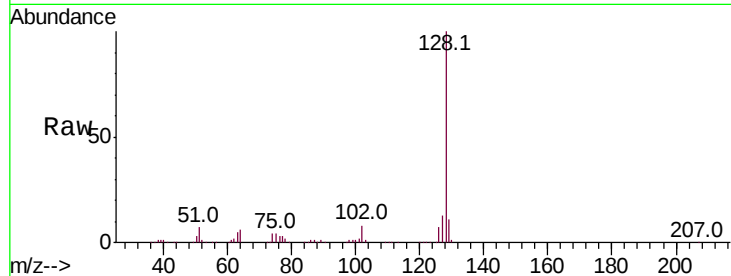
#95
Naphthalene
Concen: 19.271 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Instrument :
MSVOA_X
ClientSampleId :
VX0313WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	188278		
127	12.7		10.3	15.5
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:18:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.012 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008049.D
Acq: 13 Mar 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	64218		
182	94.6		47.5	142.5
145	30.2		14.8	44.3

