

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010271.D
 Acq On : 13 Jun 2019 14:39
 Operator : JC/SP
 Sample : VX0613WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 9:17:29 AM

Quant Time: Jun 14 03:51:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	284579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	423666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	384059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	137017	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	135523	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	8.71	98	513855	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.13	95	182194	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51996	19.857	ug/l	98
3) Chloromethane	1.33	50	48790	18.762	ug/l	100
4) Vinyl Chloride	1.41	62	52274	21.388	ug/l	97
5) Bromomethane	1.64	94	25913	28.096	ug/l	98
6) Chloroethane	1.72	64	31429	25.505	ug/l	95
7) Trichlorofluoromethane	1.93	101	81788	22.528	ug/l	99
8) Diethyl Ether	2.19	74	29219	23.350	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46533	18.594	ug/l	91
10) Methyl Iodide	2.51	142	65307	16.843	ug/l	99
11) Tert butyl alcohol	3.04	59	75025	110.252	ug/l	98
12) 1,1-Dichloroethene	2.37	96	47108	18.429	ug/l #	78
13) Acrolein	2.29	56	10669	85.985	ug/l	98
14) Allyl chloride	2.73	41	68047	17.636	ug/l #	87
15) Acrylonitrile	3.14	53	136977	98.481	ug/l	99
16) Acetone	2.44	43	115587	88.469	ug/l #	85
17) Carbon Disulfide	2.57	76	117804	15.950	ug/l	99
18) Methyl Acetate	2.78	43	59036	20.546	ug/l #	84
19) Methyl tert-butyl Ether	3.20	73	154559	18.821	ug/l	92
20) Methylene Chloride	2.85	84	53272	18.566	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	50453	17.836	ug/l #	79
22) Diisopropyl ether	3.85	45	143327	19.429	ug/l #	90
23) Vinyl Acetate	3.81	43	621694	94.466	ug/l #	88
24) 1,1-Dichloroethane	3.70	63	82748	18.475	ug/l #	94
25) 2-Butanone	4.67	43	190551	97.943	ug/l #	82
26) 2,2-Dichloropropane	4.58	77	63606	15.566	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	61023	19.391	ug/l	75
28) Bromochloromethane	5.01	49	34392	17.133	ug/l #	50
29) Tetrahydrofuran	5.13	42	120381	98.457	ug/l #	75
30) Chloroform	5.21	83	88091	18.938	ug/l	97
31) Cyclohexane	5.58	56	74706	18.481	ug/l #	78
32) 1,1,1-Trichloroethane	5.49	97	79283	18.130	ug/l #	93
36) 1,1-Dichloropropene	5.80	75	61312	17.738	ug/l	90
37) Ethyl Acetate	4.84	43	69104	19.215	ug/l #	92
38) Carbon Tetrachloride	5.79	117	71877	18.372	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83096	17.655	ug/l #	82
40) Benzene	6.14	78	203997	19.086	ug/l	98
41) Methacrylonitrile	5.04	41	37877	19.470	ug/l #	82
42) 1,2-Dichloroethane	6.20	62	64547	18.917	ug/l	92
43) Isopropyl Acetate	6.44	43	112826	18.763	ug/l #	89
44) Trichloroethene	7.21	130	61141	18.978	ug/l	85
45) 1,2-Dichloropropane	7.51	63	51709	19.329	ug/l	97
46) Dibromomethane	7.66	93	37627	18.774	ug/l	90
47) Bromodichloromethane	7.90	83	68681	18.340	ug/l #	96
48) Methyl methacrylate	7.77	41	52512	18.673	ug/l #	77
49) 1,4-Dioxane	7.74	88	32599	406.585	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	368438	102.566	ug/l	90
52) Toluene	8.78	92	133909	19.060	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	73555	16.981	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	82345	17.732	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	55781	19.386	ug/l	96
56) Ethyl methacrylate	9.18	69	84853	18.669	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	87035	19.213	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	203302	94.880	ug/l #	86
59) 2-Hexanone	9.49	43	289638	101.127	ug/l	88
60) Dibromochloromethane	9.58	129	63307	18.601	ug/l	98
61) 1,2-Dibromoethane	9.67	107	60431	18.857	ug/l	100
64) Tetrachloroethene	9.34	164	60120	21.076	ug/l	96
65) Chlorobenzene	10.13	112	152435	19.231	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	57491	18.860	ug/l	99
67) Ethyl Benzene	10.25	91	254105	18.831	ug/l	92
68) m/p-Xylenes	10.36	106	199294	38.166	ug/l	89
69) o-Xylene	10.69	106	99433	19.156	ug/l	88
70) Styrene	10.71	104	165326	18.806	ug/l	95
71) Bromoform	10.85	173	49174	17.548	ug/l #	100
73) Isopropylbenzene	11.02	105	260523	18.981	ug/l	96
74) N-amyl acetate	10.90	43	100656	18.552	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	88261	18.786	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	73291m	18.636	ug/l	
77) Bromobenzene	11.26	156	70893	18.783	ug/l	81
78) n-propylbenzene	11.36	91	282134	18.464	ug/l	94
79) 2-Chlorotoluene	11.42	91	166705	18.165	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	214817	18.582	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	28065	15.767	ug/l	86
82) 4-Chlorotoluene	11.51	91	191542	18.373	ug/l	90
83) tert-Butylbenzene	11.77	119	214577	18.339	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	216163	18.512	ug/l	95
85) sec-Butylbenzene	11.94	105	251015	18.414	ug/l	96
86) p-Isopropyltoluene	12.06	119	230687	18.511	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	125139	18.823	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	124853	18.630	ug/l	98
89) n-Butylbenzene	12.38	91	192029	17.901	ug/l	97
90) Hexachloroethane	12.59	117	42018	16.926	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	127004	19.650	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19134	17.307	ug/l	66

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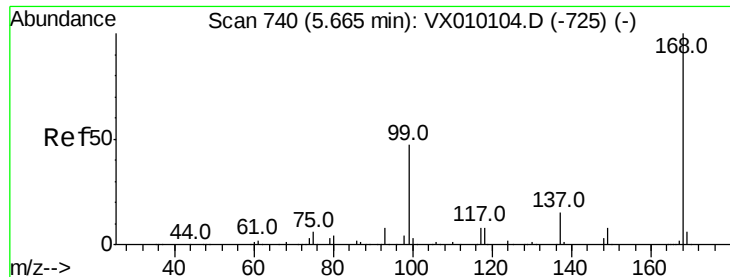
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85739	18.122	ug/l	98
94) Hexachlorobutadiene	13.78	225	41220	19.591	ug/l	99
95) Naphthalene	13.83	128	278331	18.689	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	88365	18.890	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:168 Resp: 284579

Ion Ratio Lower Upper

168 100

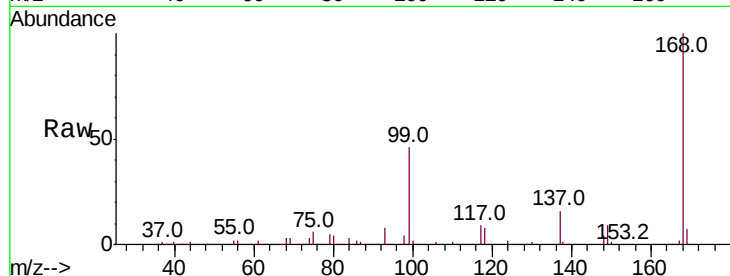
99 46.0 43.0 64.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

40000

20000

0

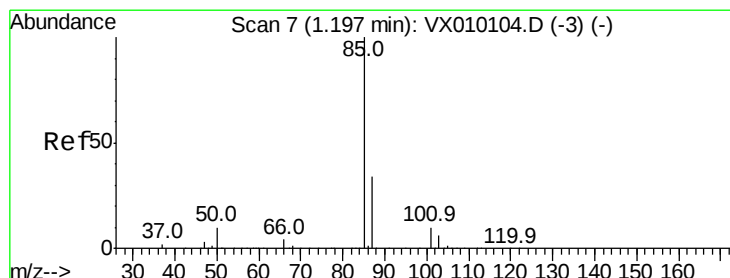
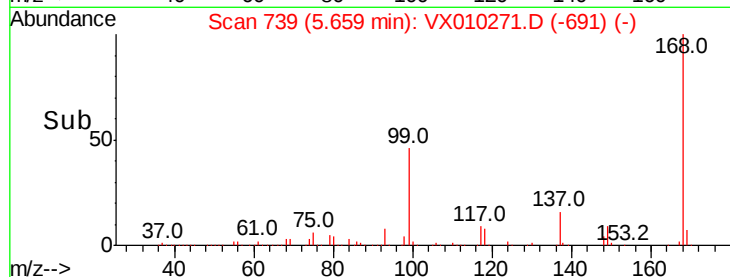
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 19.857 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010271.D

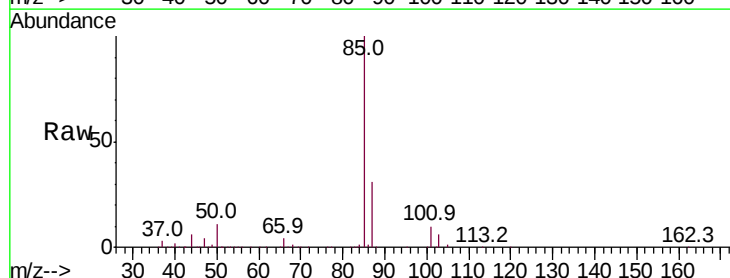
Acq: 13 Jun 2019 14:39

Tgt Ion: 85 Resp: 51996

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

20000

10000

0

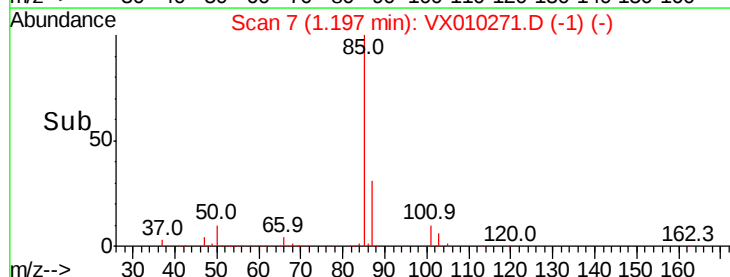
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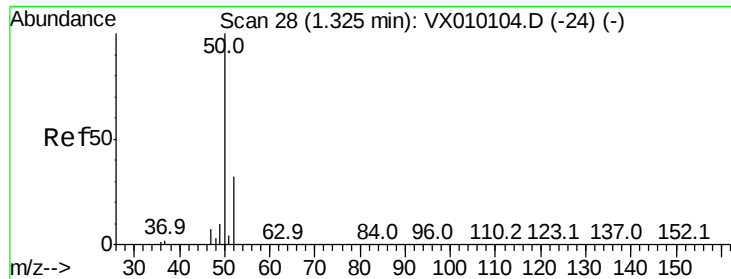
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 18.762 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 50 Resp: 48790

Ion Ratio Lower Upper

50 100

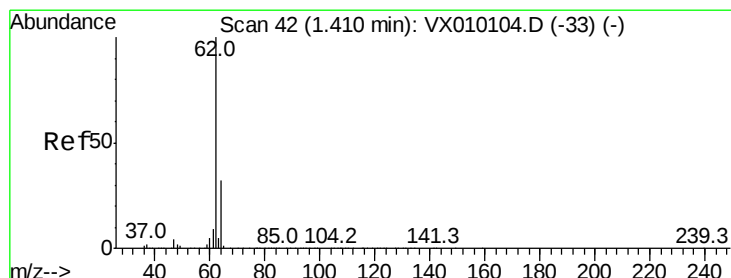
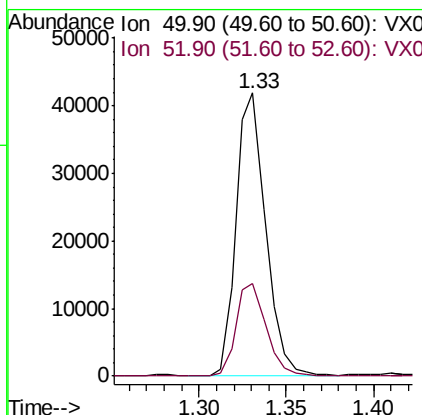
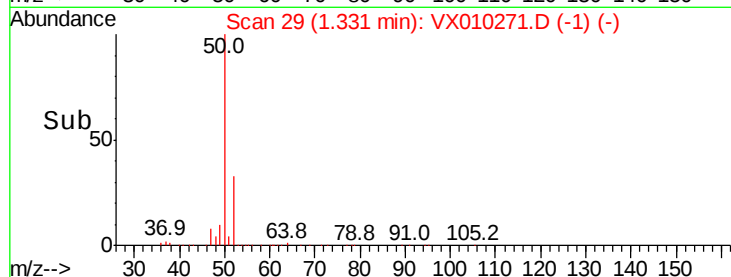
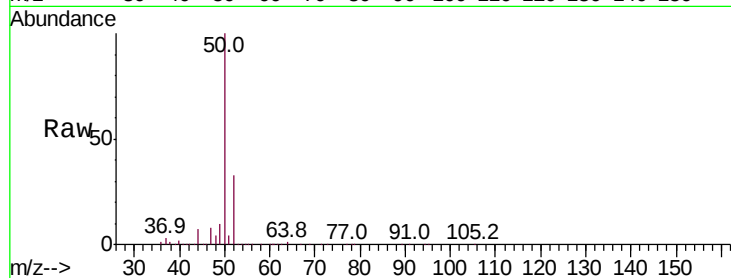
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.388 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010271.D

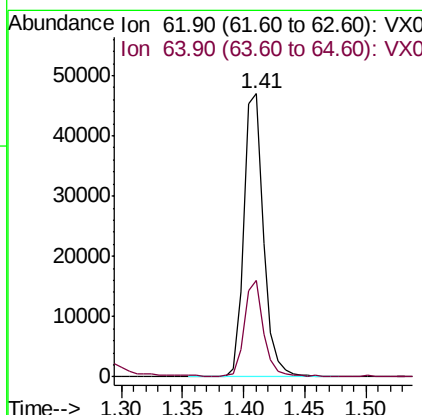
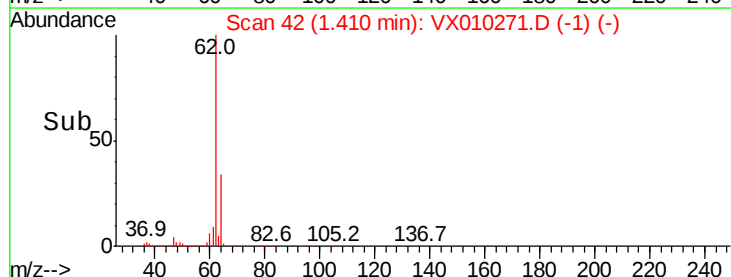
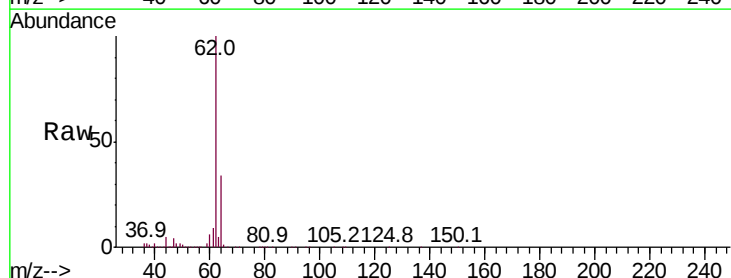
Acq: 13 Jun 2019 14:39

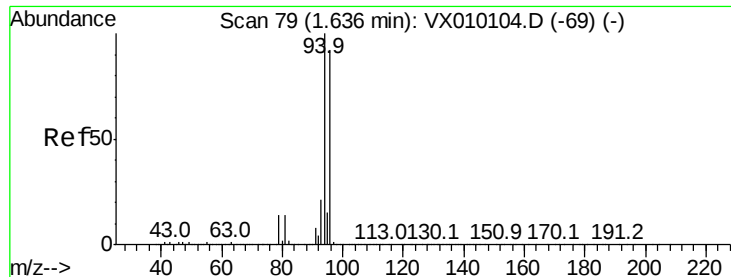
Tgt Ion: 62 Resp: 52274

Ion Ratio Lower Upper

62 100

64 33.9 25.7 38.5





#5

Bromomethane

Concen: 28.096 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 94 Resp: 25913

Ion Ratio Lower Upper

94 100

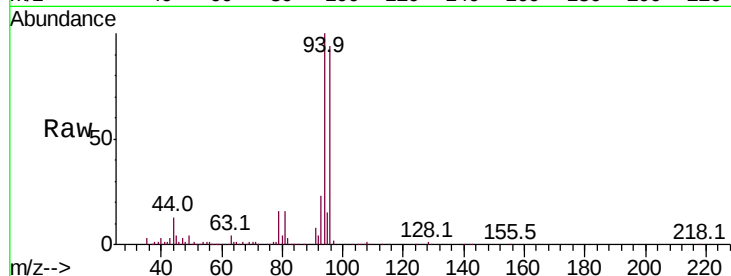
96 93.5 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

25000

20000

15000

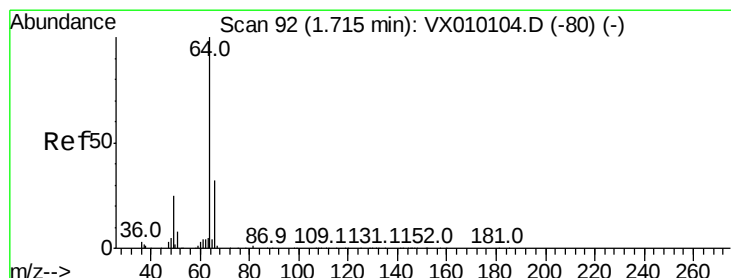
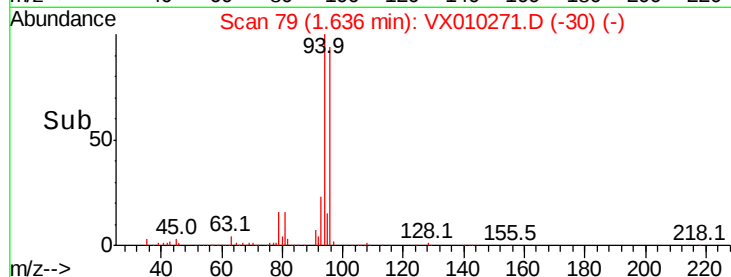
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 25.505 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010271.D

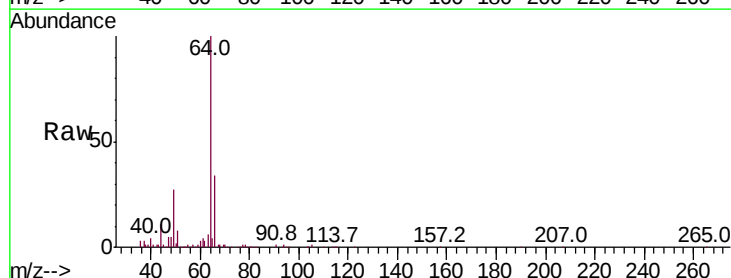
Acq: 13 Jun 2019 14:39

Tgt Ion: 64 Resp: 31429

Ion Ratio Lower Upper

64 100

66 34.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

15000

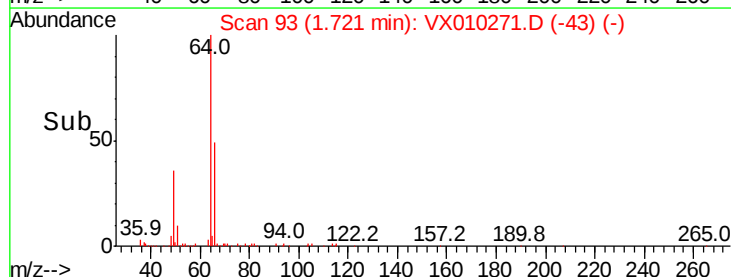
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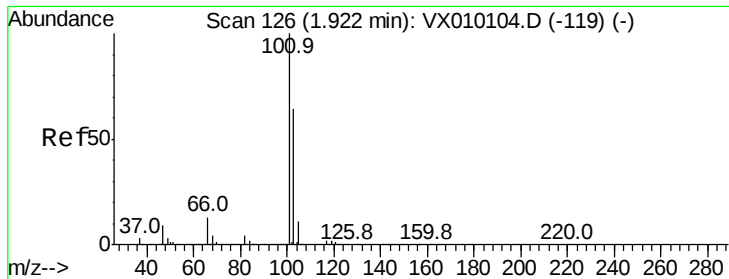
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0

Time-->

1.65 1.70 1.75 1.80





#7

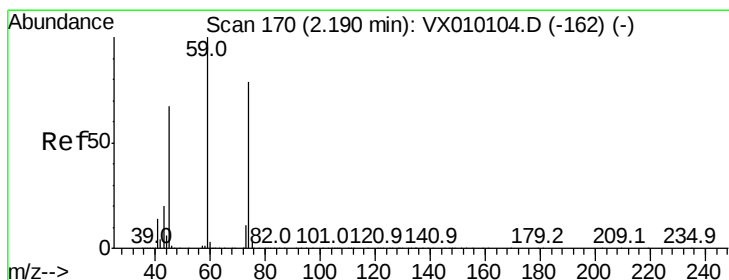
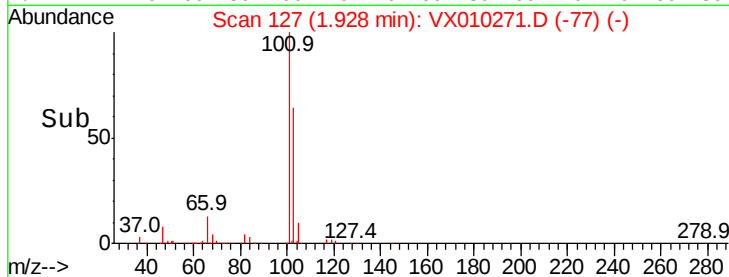
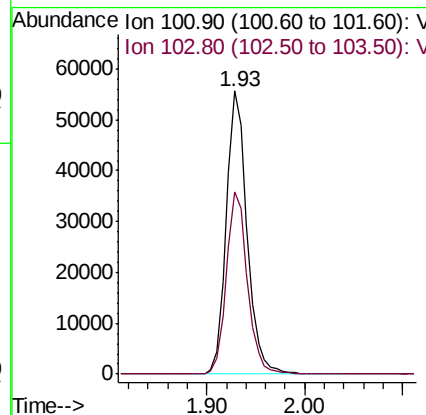
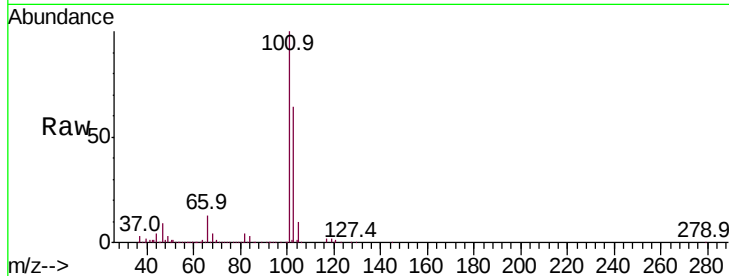
Trichlorofluoromethane
 Concen: 22.528 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX010271.D
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 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.2	78.4

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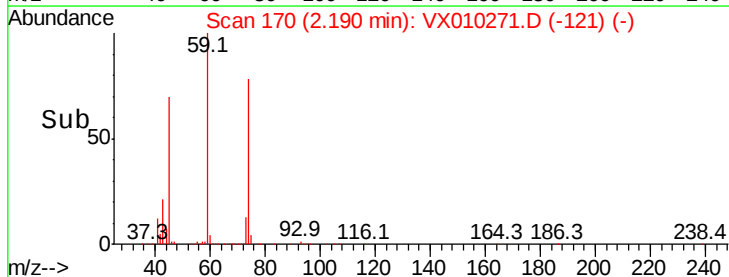
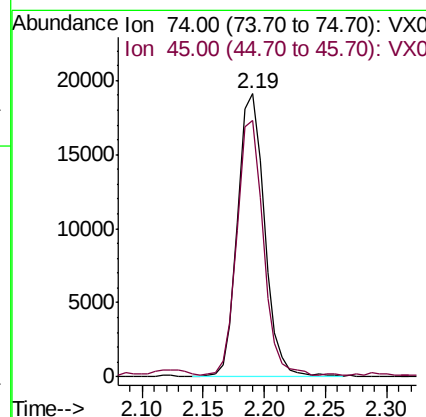
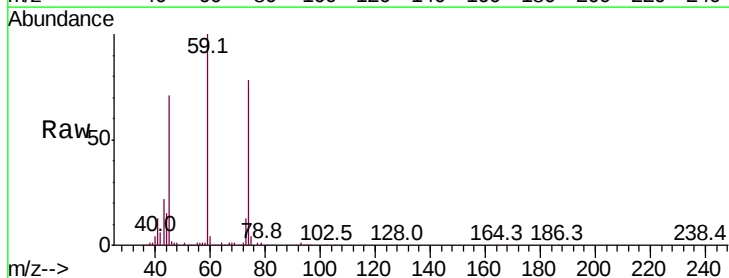
MMDadoda
 6/14/2019 9:17:29 AM

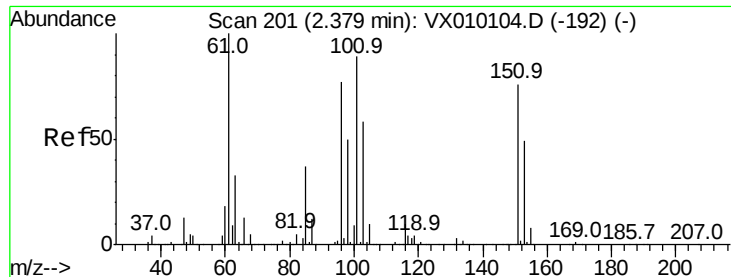


#8

Diethyl Ether
 Concen: 23.350 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.6	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.594 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

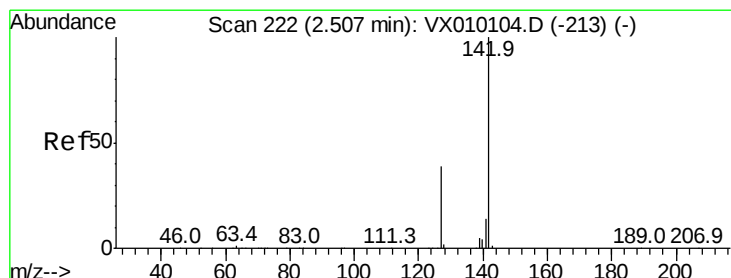
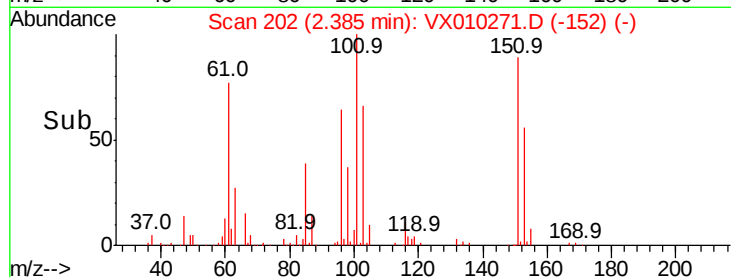
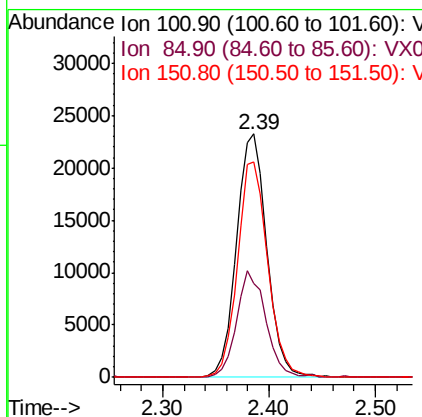
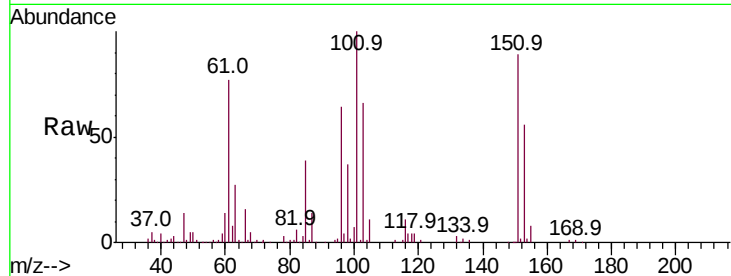
ClientSampleId :

VX0613WBS01

Tot Ion:	101	Resp:	46533
Ion Ratio	Lower	Upper	
101	100		
85	42.2	35.2	52.8
151	88.6	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 16.843 ug/l

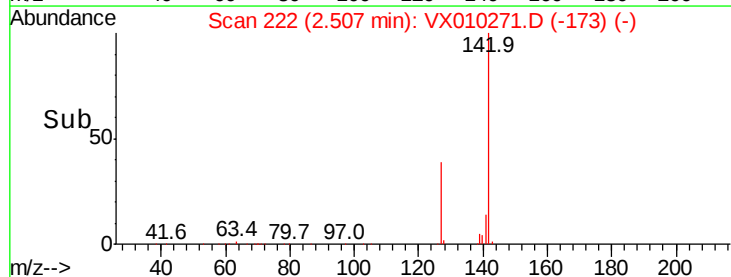
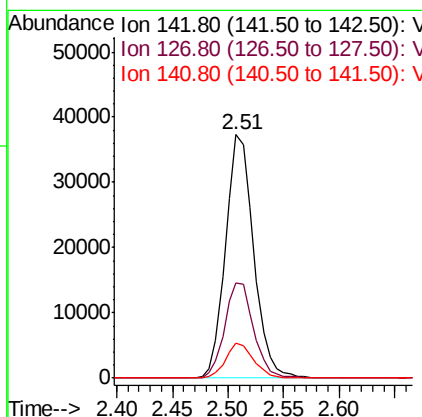
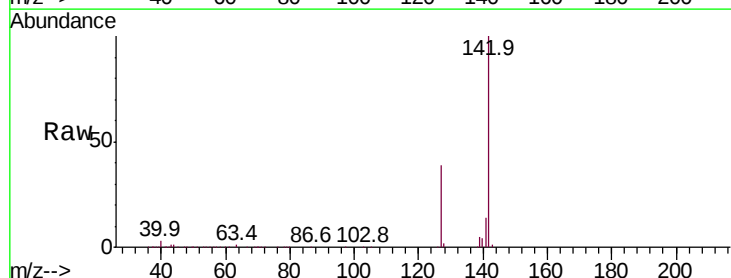
RT: 2.51 min Scan# 222

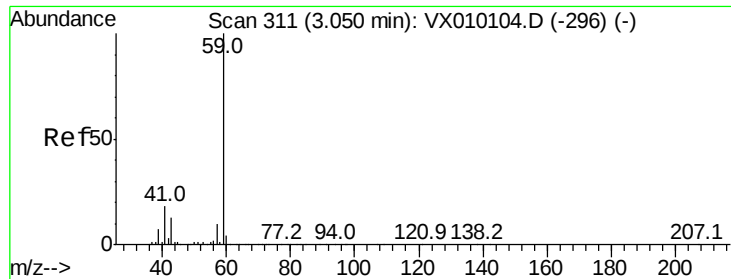
Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion:	142	Resp:	65307
Ion Ratio	Lower	Upper	
142	100		
127	40.1	33.0	49.4
141	14.2	11.4	17.0





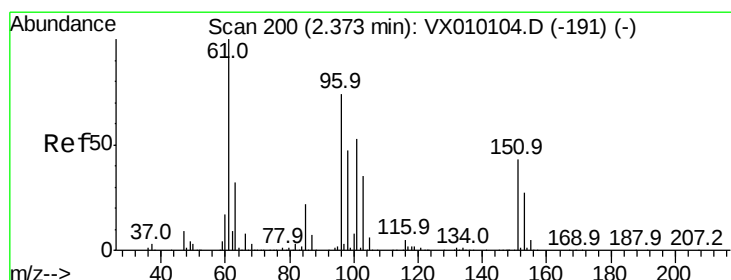
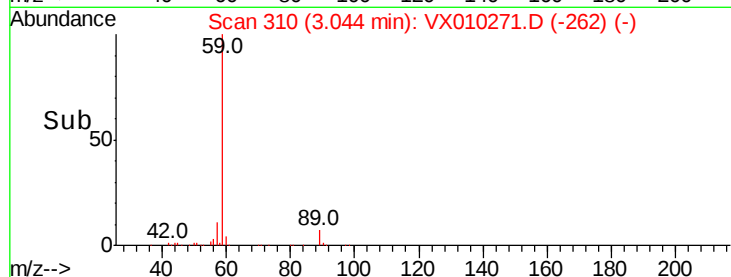
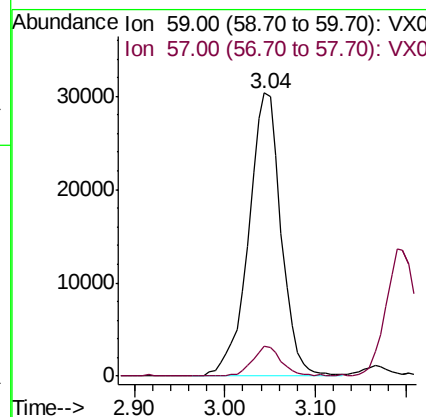
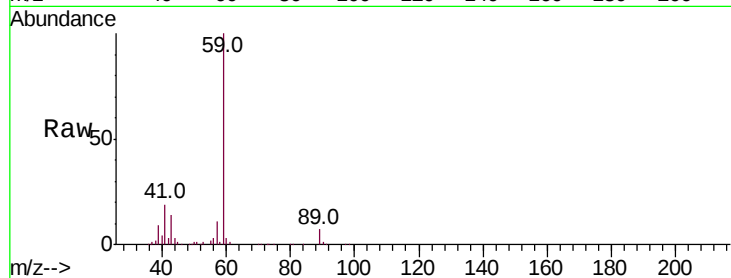
#11
Tert butyl alcohol
Concen: 110.252 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion: 59 Resp: 75025
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.2

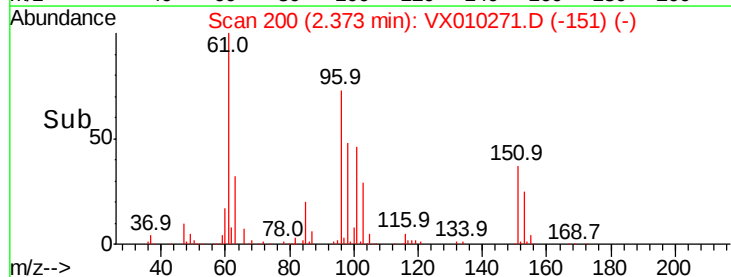
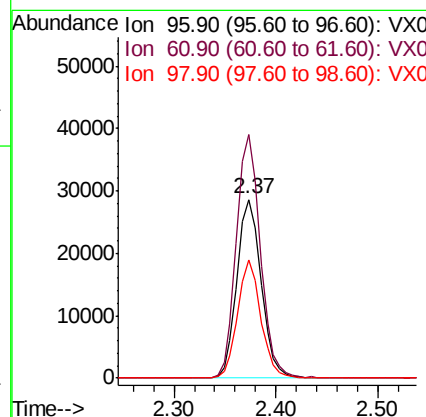
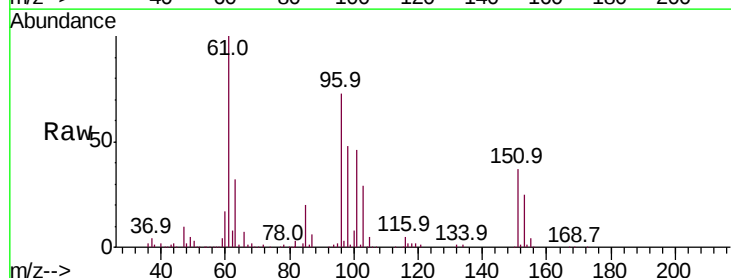
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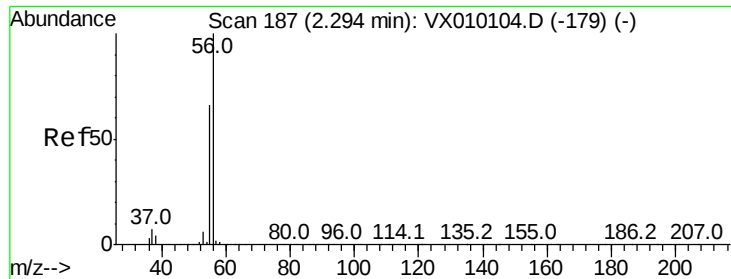
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#12
1,1-Dichloroethene
Concen: 18.429 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 96 Resp: 47108
Ion Ratio Lower Upper
96 100
61 136.2 140.7 211.1#
98 66.0 50.1 75.1





#13

Acrolein

Concen: 85.985 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 56 Resp: 10669

Ion Ratio Lower Upper

56 100

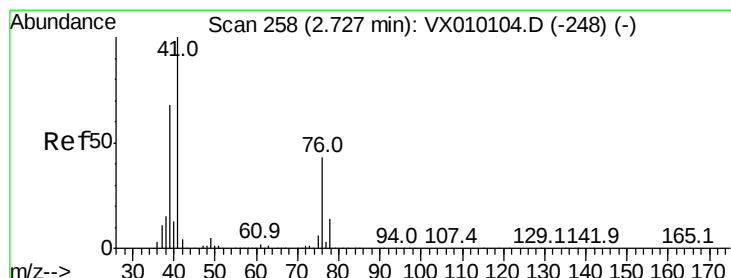
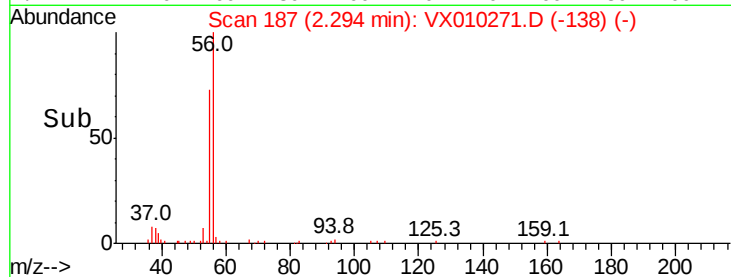
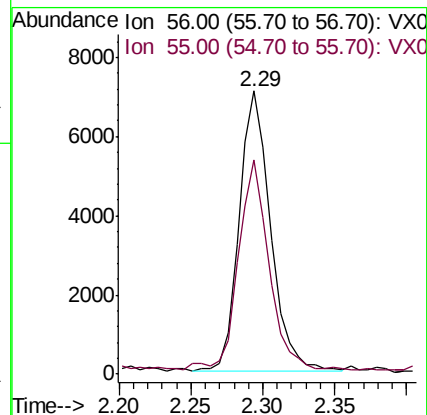
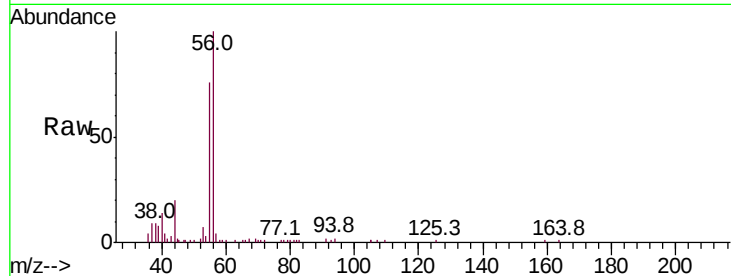
55 72.8 57.0 85.4

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#14

Allyl chloride

Concen: 17.636 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

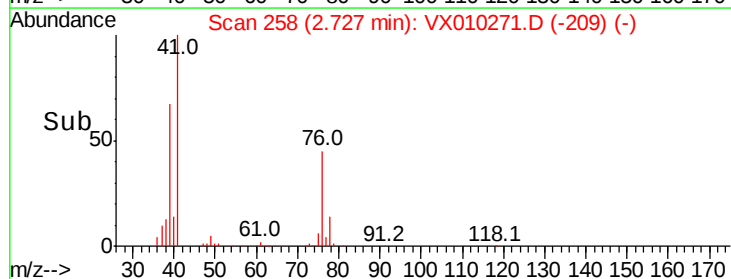
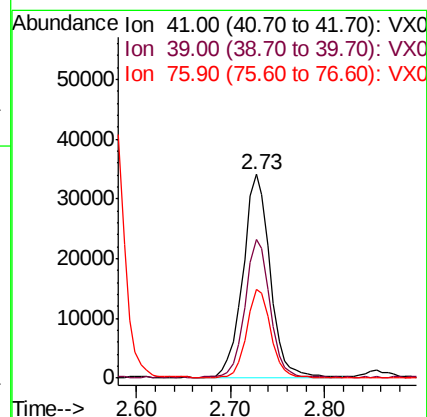
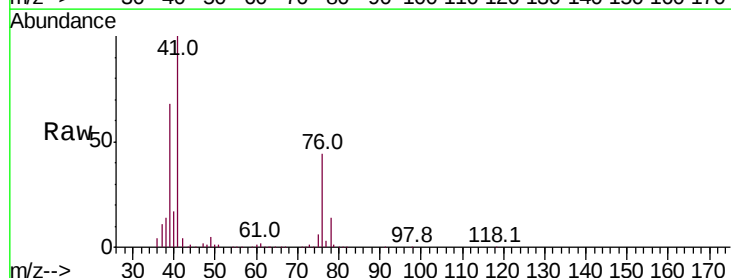
Tgt Ion: 41 Resp: 68047

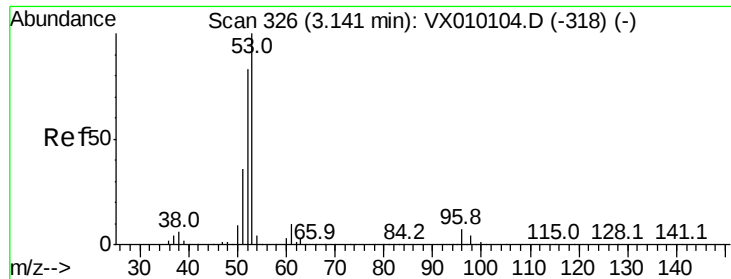
Ion Ratio Lower Upper

41 100

39 63.9 46.7 70.1

76 38.5 21.0 31.4#





#15

Acrylonitrile

Concen: 98.481 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

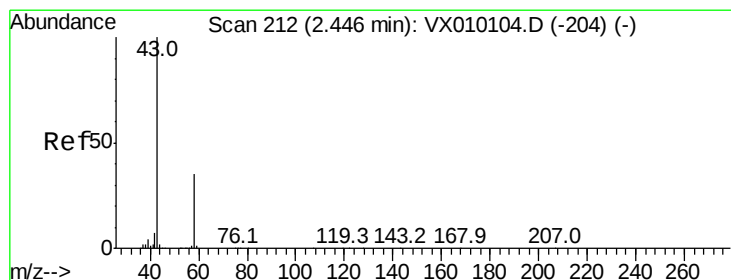
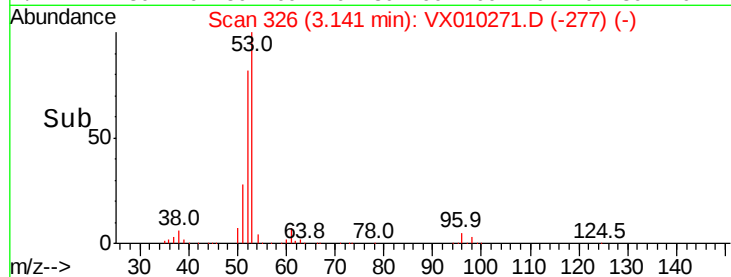
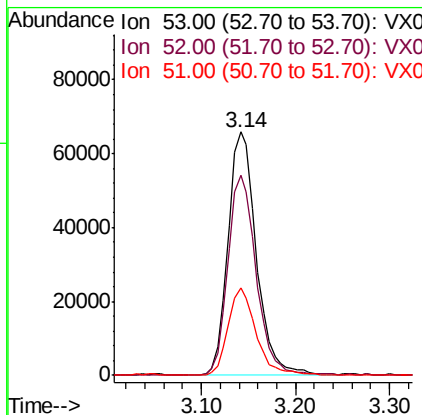
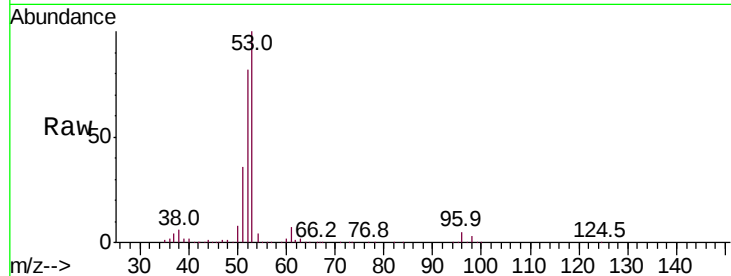
ClientSampleId :

VX0613WBS01

Tot Ion:	53	Resp:	136977
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.7	100.1
51	35.5	28.8	43.2

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#16

Acetone

Concen: 88.469 ug/l

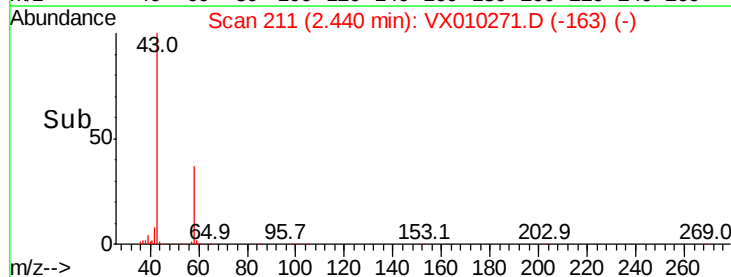
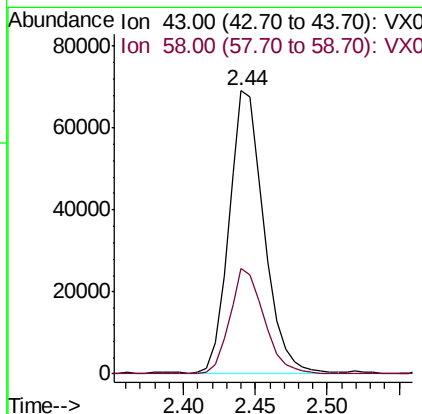
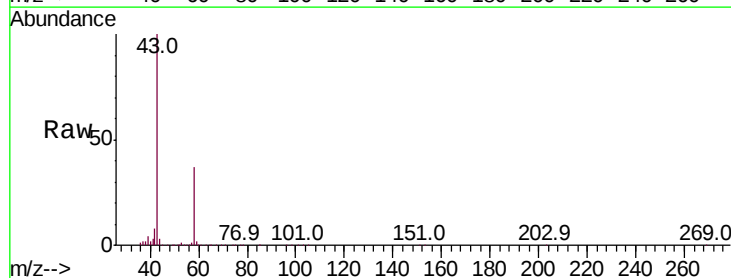
RT: 2.44 min Scan# 211

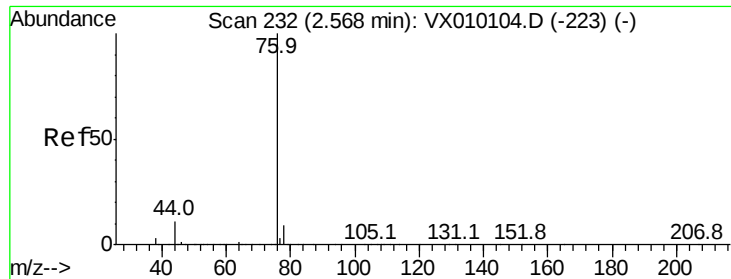
Delta R.T. -0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion:	43	Resp:	115587
Ion Ratio	Lower	Upper	
43	100		
58	37.2	23.2	34.8#





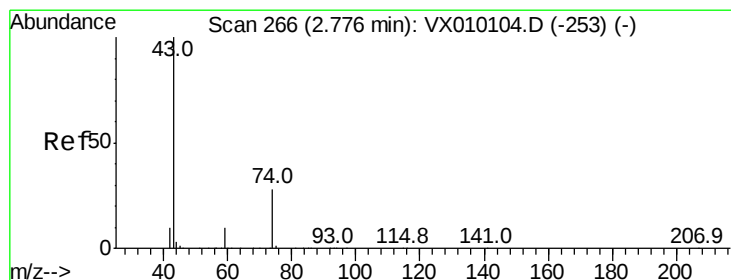
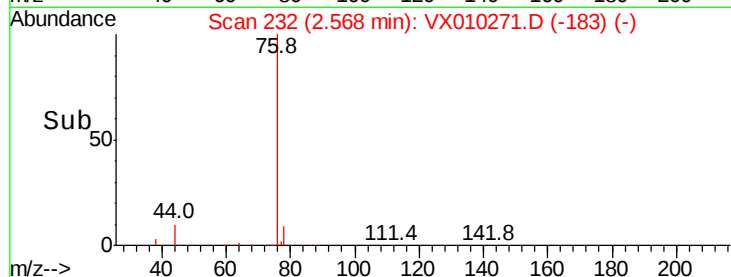
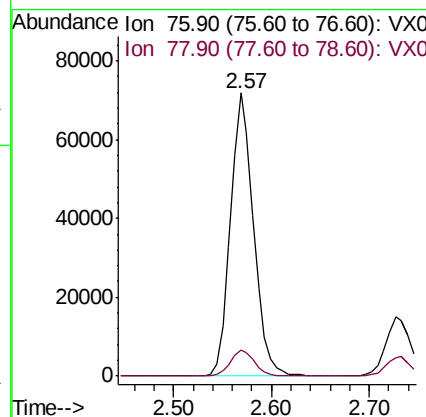
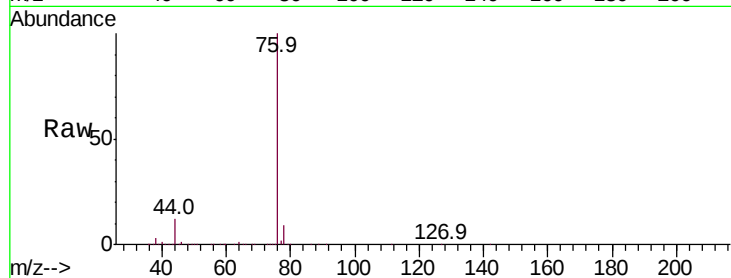
#17
Carbon Disulfide
Concen: 15.950 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

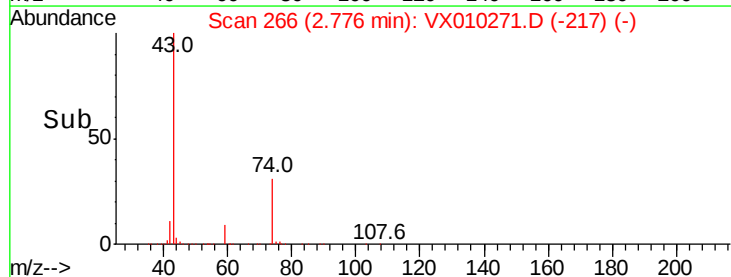
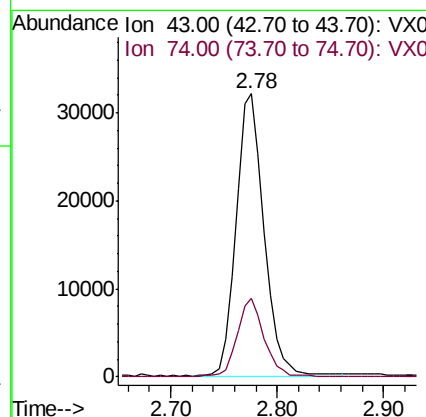
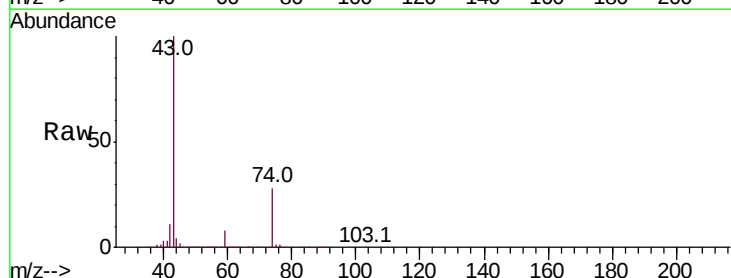
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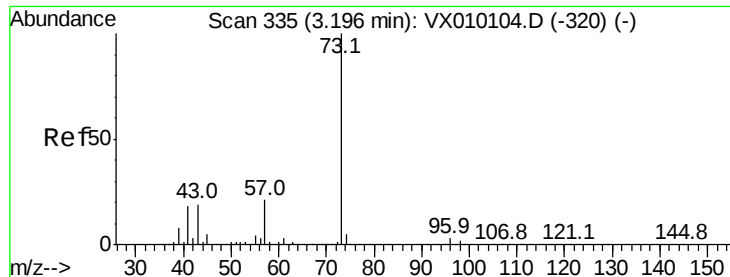
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#18
Methyl Acetate
Concen: 20.546 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	15.8	23.6#





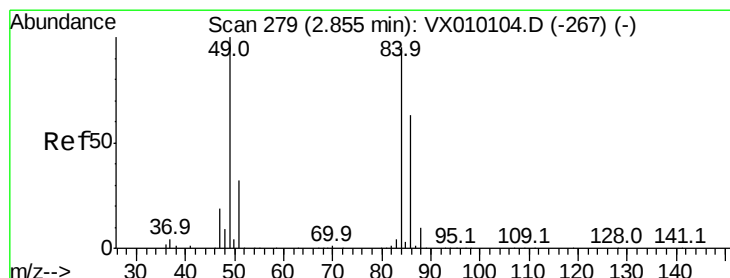
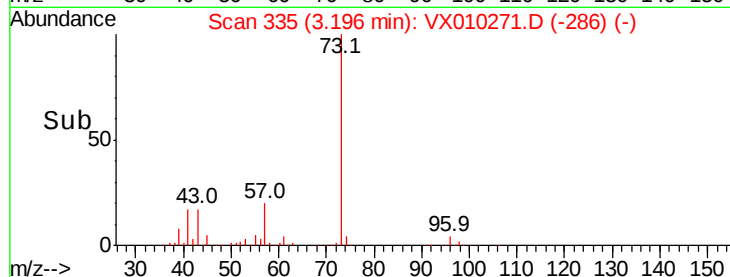
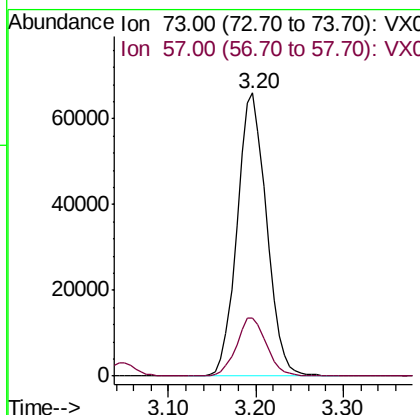
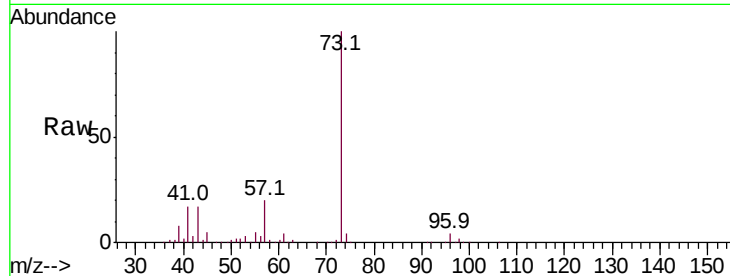
#19
Methyl tert-butyl Ether
Concen: 18.821 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion: 73 Resp: 154559
Ion Ratio Lower Upper
73 100
57 20.4 19.4 29.2

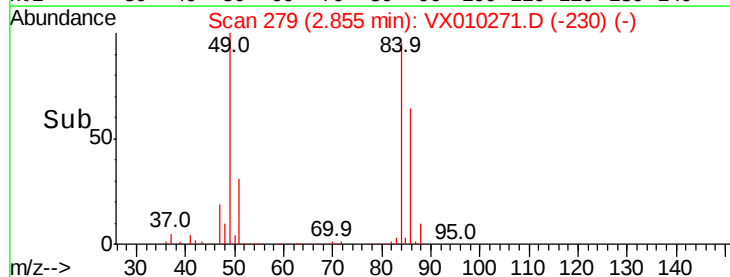
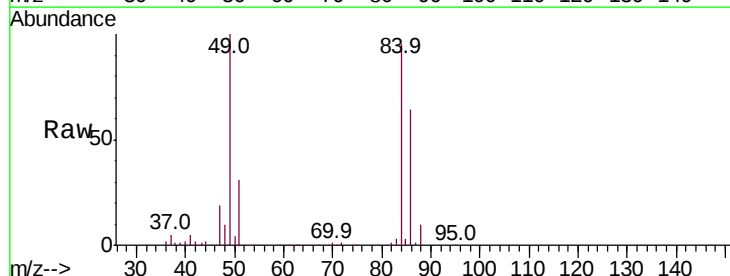
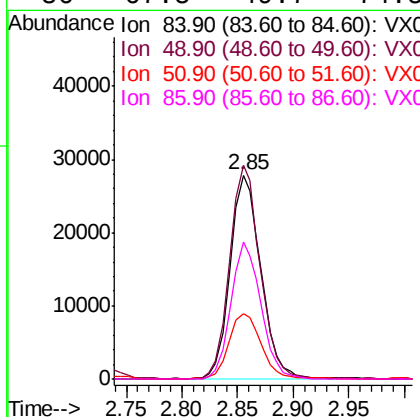
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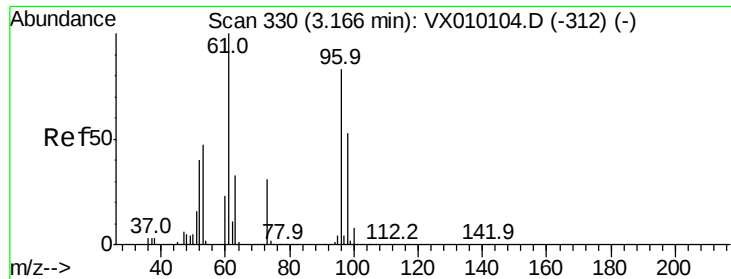
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#20
Methylene Chloride
Concen: 18.566 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion: 84 Resp: 53272
Ion Ratio Lower Upper
84 100
49 104.4 115.8 173.6#
51 32.3 34.4 51.6#
86 67.5 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 17.836 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

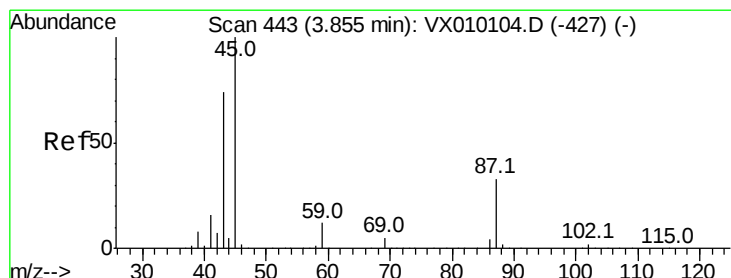
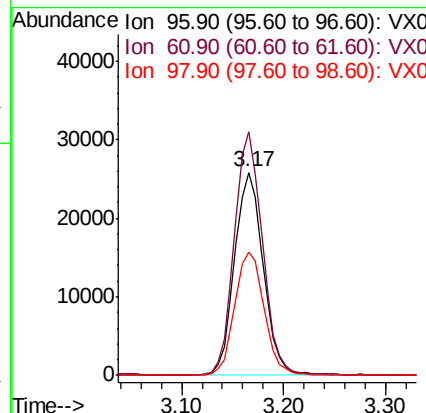
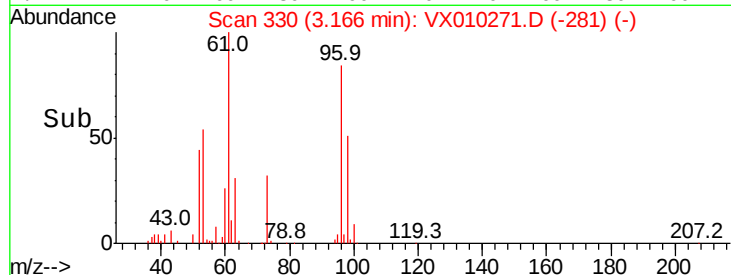
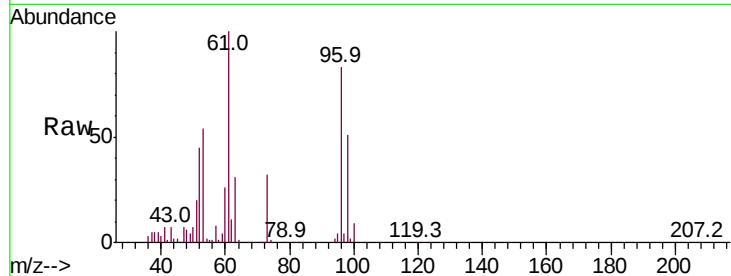
ClientSampleId :

VX0613WBS01

Tot Ion:	96	Resp:	50453
Ion	Ratio	Lower	Upper
96	100		
61	119.9	125.7	188.5#
98	60.7	49.0	73.6

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#22

Diisopropyl ether

Concen: 19.429 ug/l

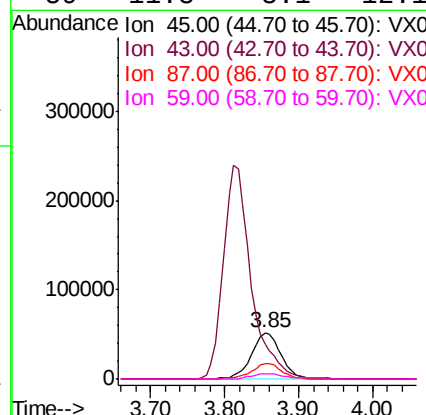
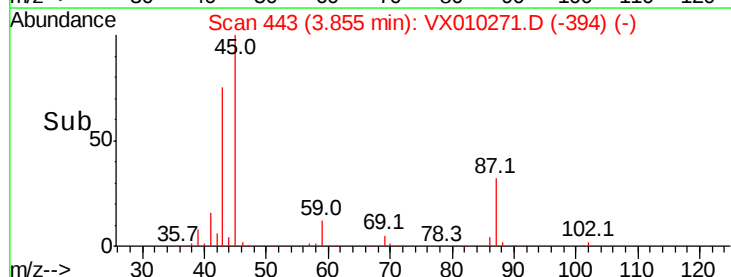
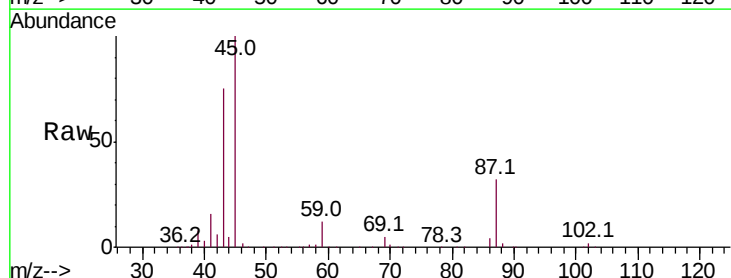
RT: 3.85 min Scan# 443

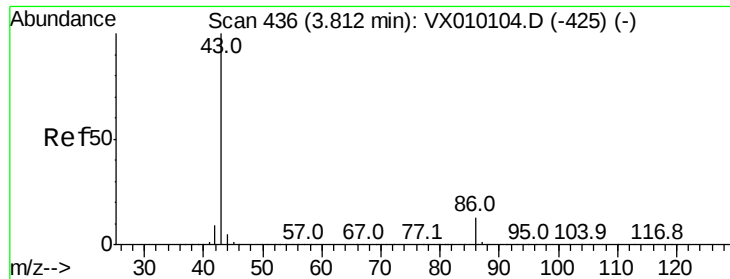
Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion:	45	Resp:	143327
Ion	Ratio	Lower	Upper
45	100		
43	74.8	65.0	97.4
87	31.8	17.3	25.9#
59	11.8	8.1	12.1





#23

Vinyl Acetate

Concen: 94.466 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 43 Resp: 621694

Ion Ratio Lower Upper

43 100

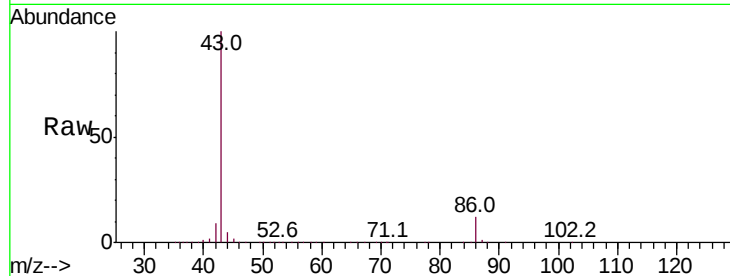
86 12.3 6.5 9.7#

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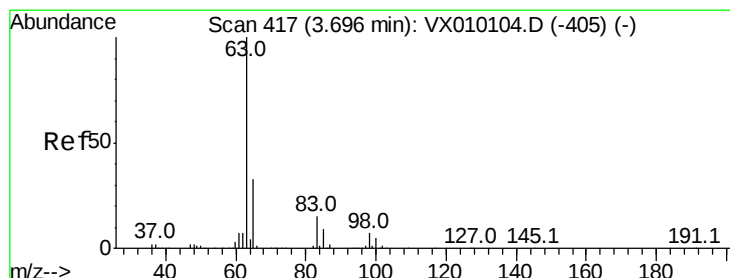
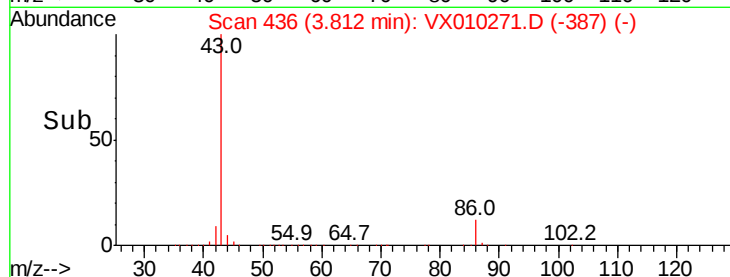
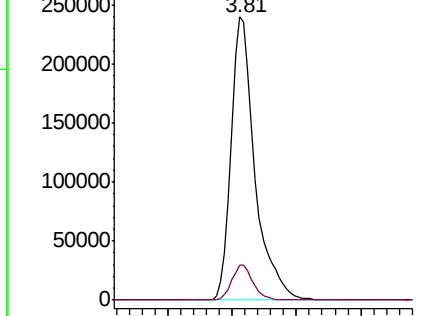
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.475 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

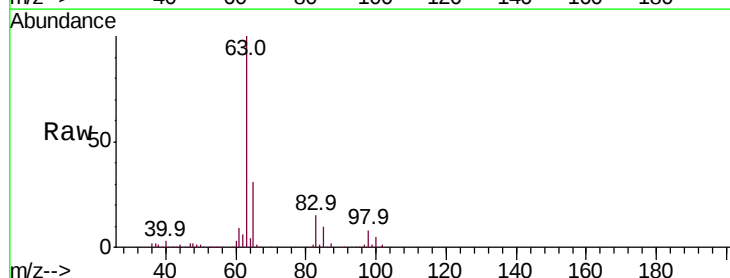
Tgt Ion: 63 Resp: 82748

Ion Ratio Lower Upper

63 100

98 8.0 2.9 8.8

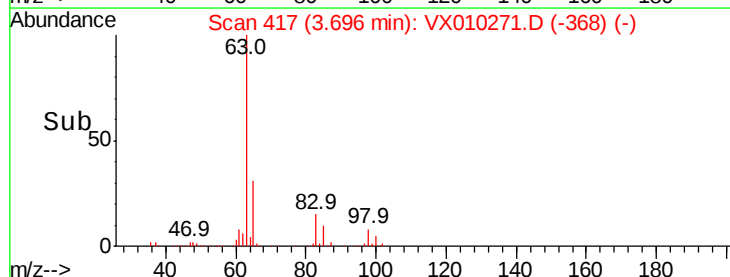
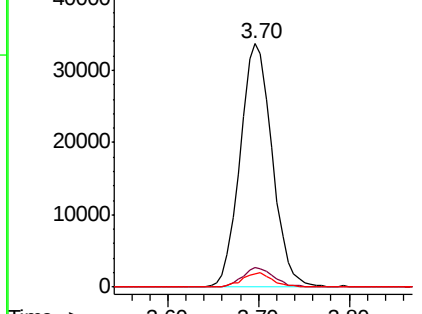
100 5.4 1.8 5.4#

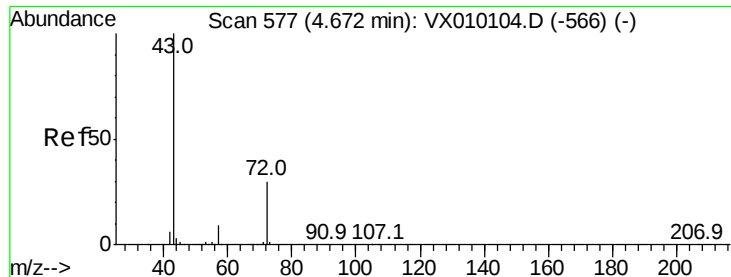


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 97.943 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 43 Resp: 190551

Ion Ratio Lower Upper

43 100

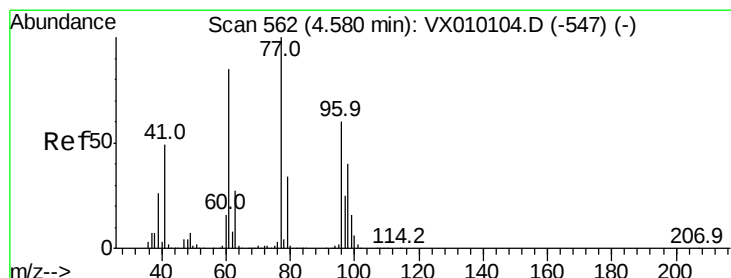
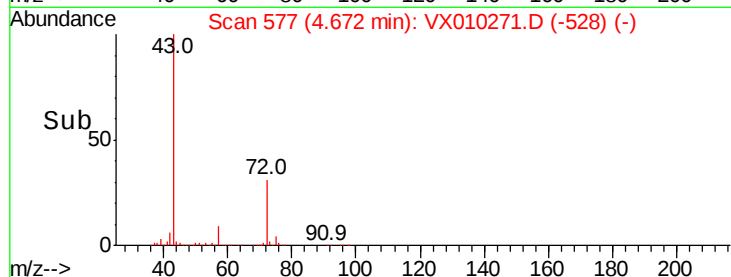
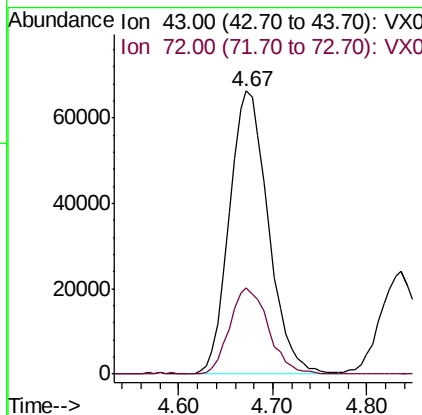
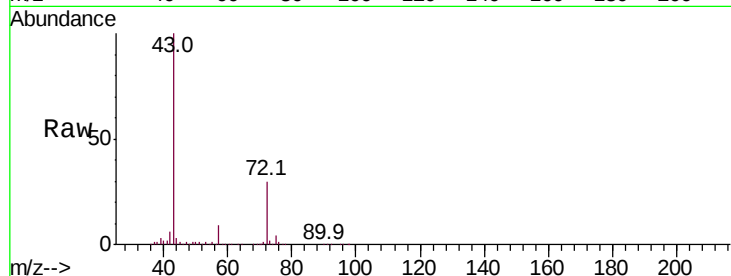
72 30.4 17.5 26.3#

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#26

2,2-Dichloropropane

Concen: 15.566 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010271.D

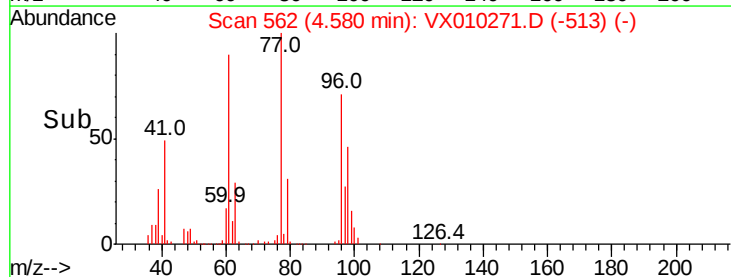
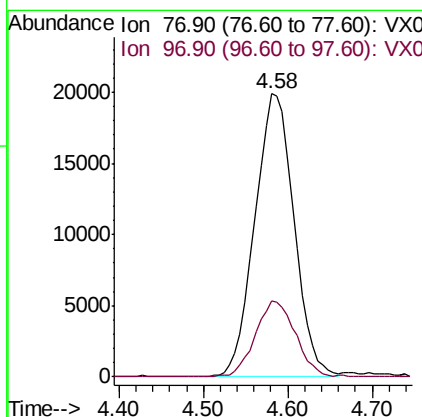
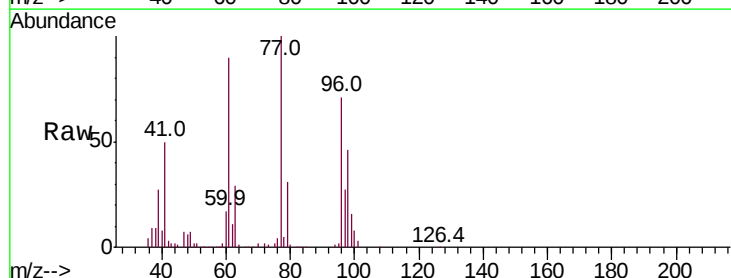
Acq: 13 Jun 2019 14:39

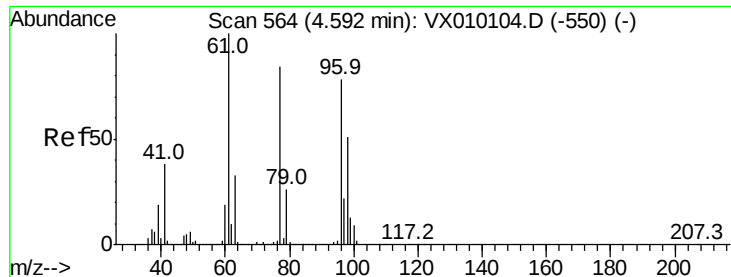
Tgt Ion: 77 Resp: 63606

Ion Ratio Lower Upper

77 100

97 27.4 11.4 34.2





#27

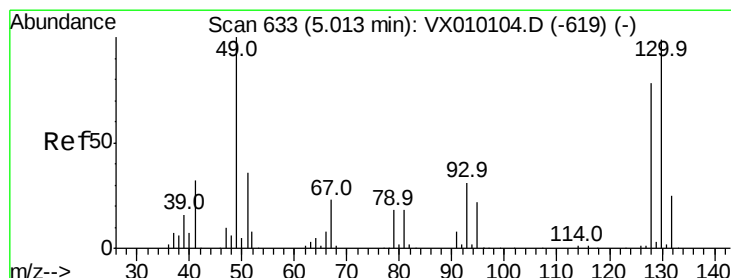
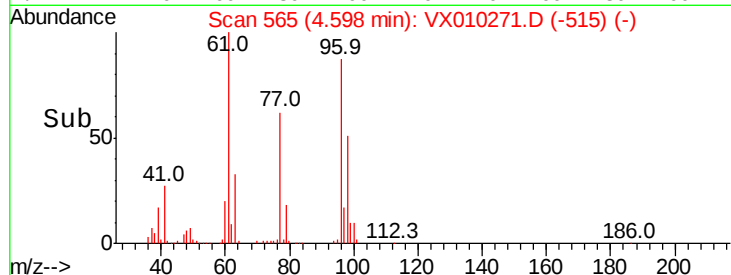
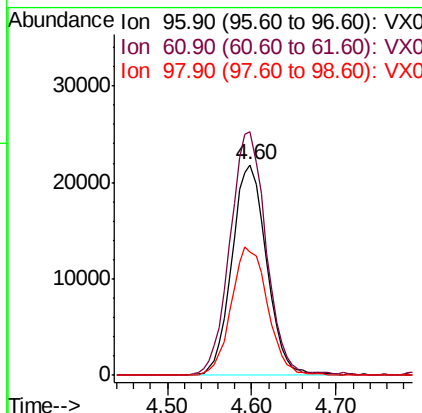
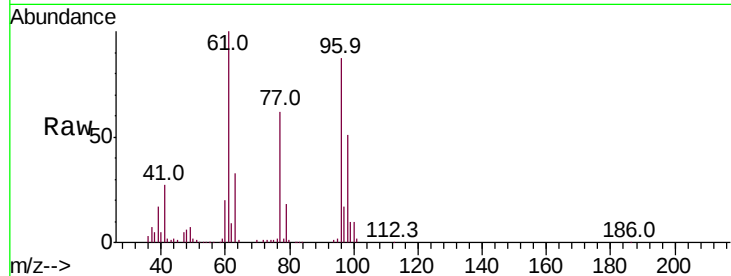
cis-1,2-Dichloroethene
Concen: 19.391 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.8	0.0	334.0
98	63.7	0.0	131.6

Manual Integrations
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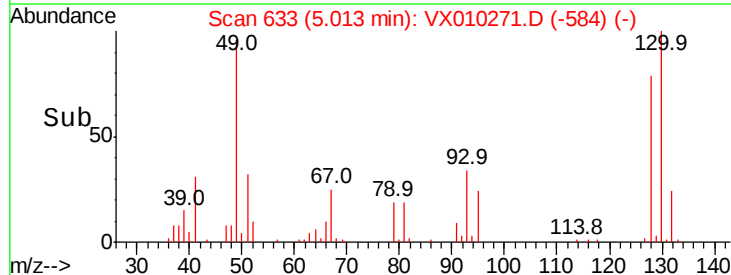
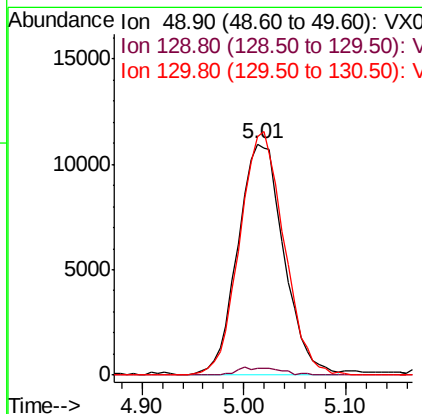
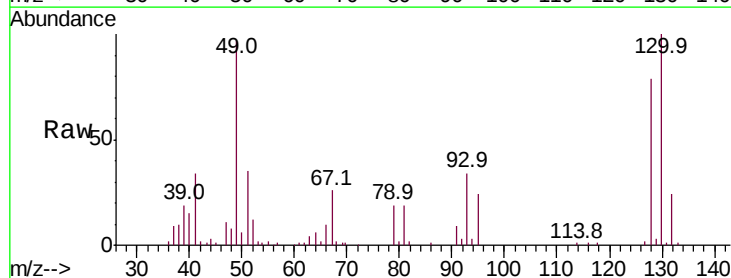
MMDadoda
6/14/2019 9:17:29 AM

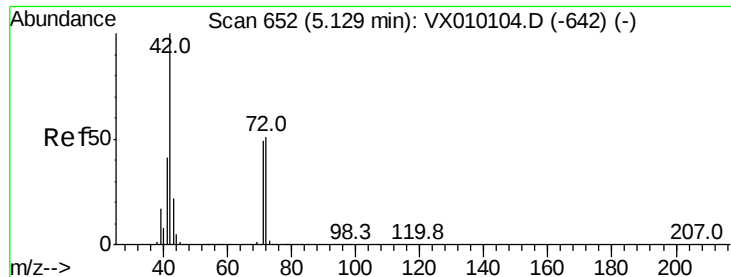


#28

Bromochloromethane
Concen: 17.133 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	101.5	49.4	74.2#





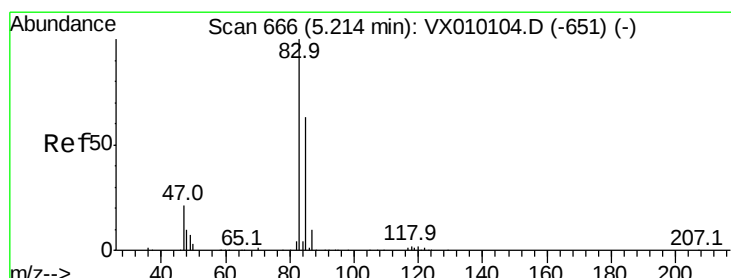
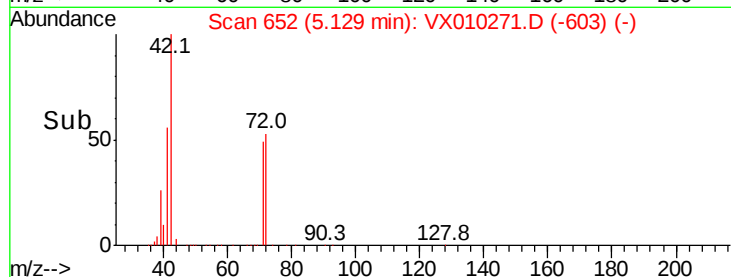
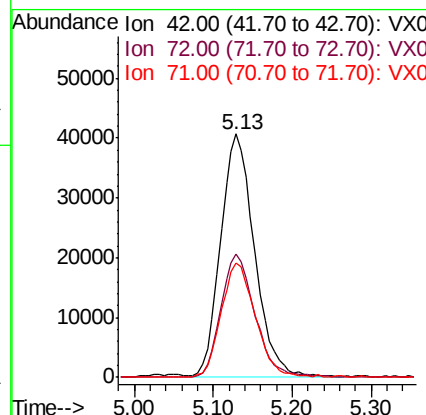
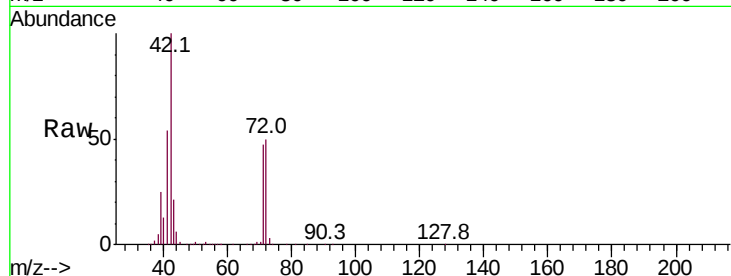
#29
Tetrahydrofuran
Concen: 98.457 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.6	29.2	43.8#
71	48.1	27.6	41.4#

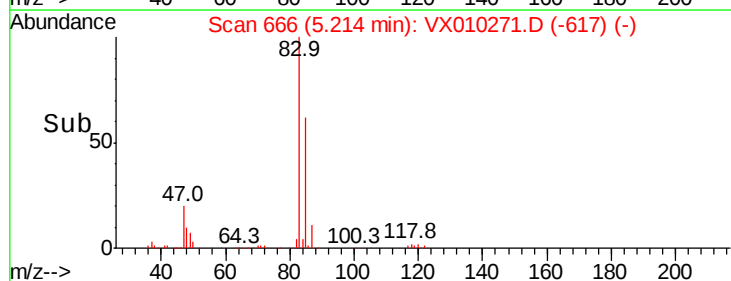
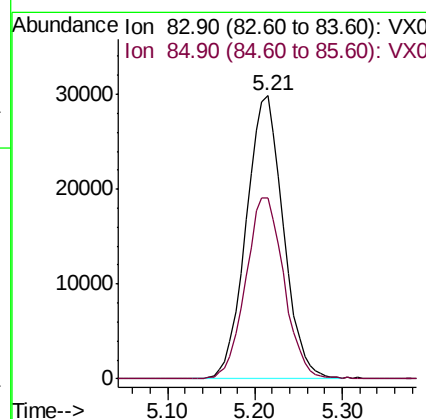
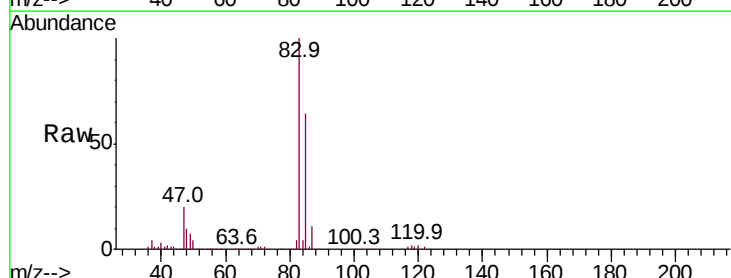
Manual Integrations
APPROVED

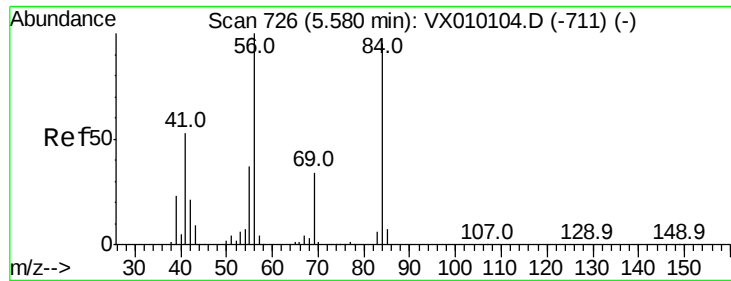
MMDadoda
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#30
Chloroform
Concen: 18.938 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8





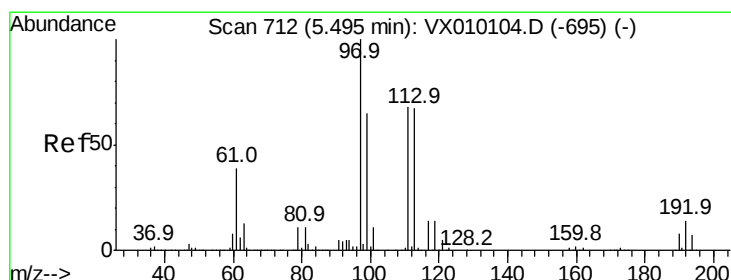
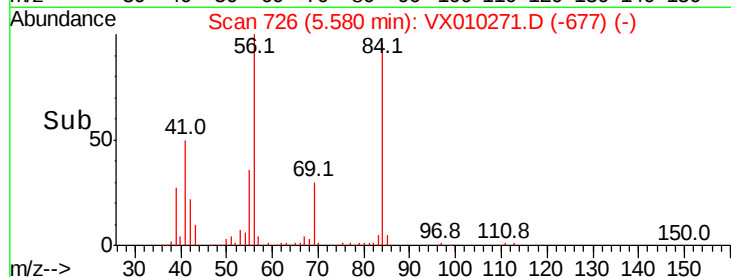
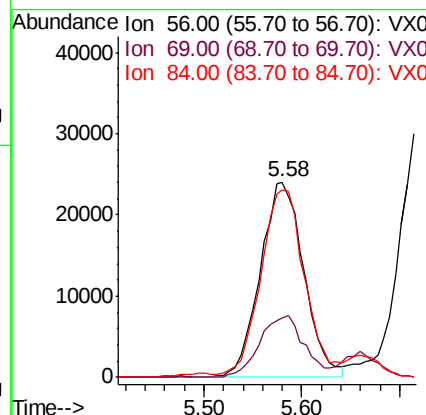
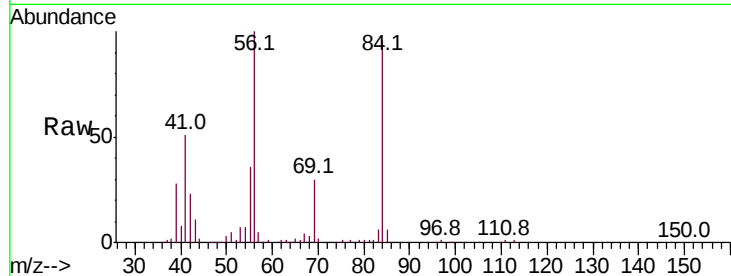
#31
Cyclohexane
Concen: 18.481 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	21.6	32.4
84	94.4	56.8	85.2#

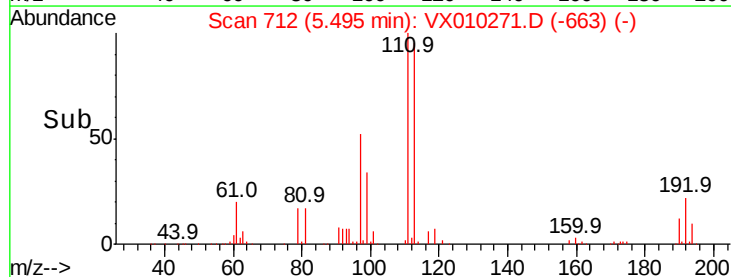
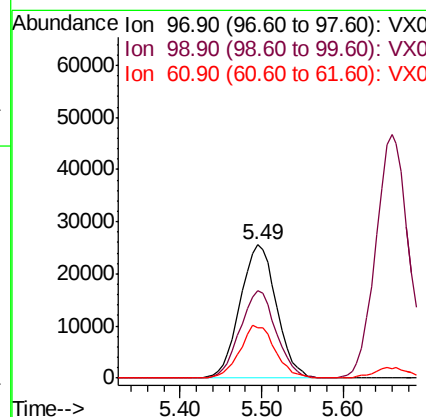
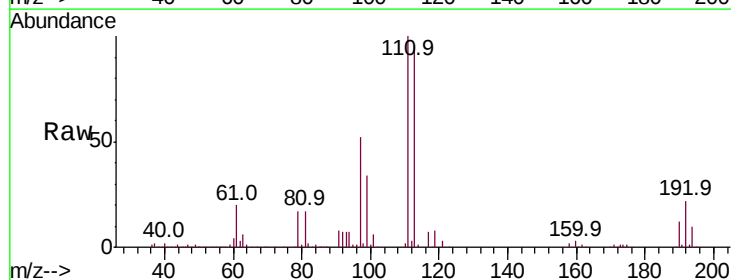
Manual Integrations
APPROVED

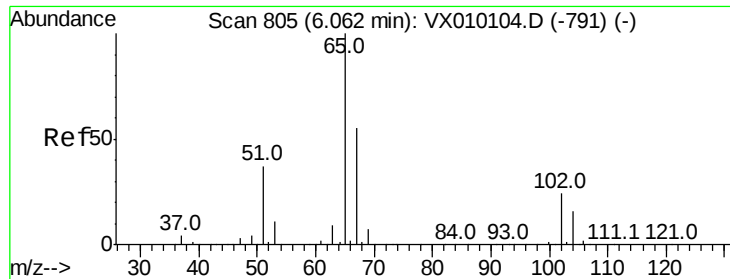
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.130 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.4
61	38.2	38.7	58.1#





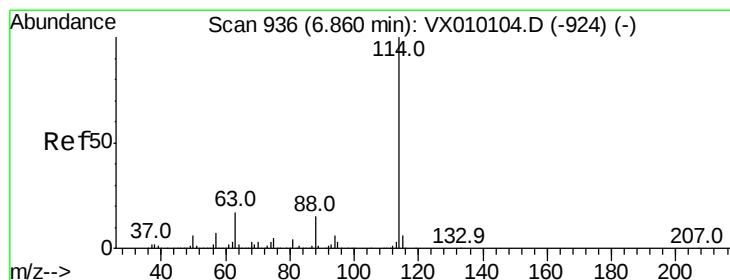
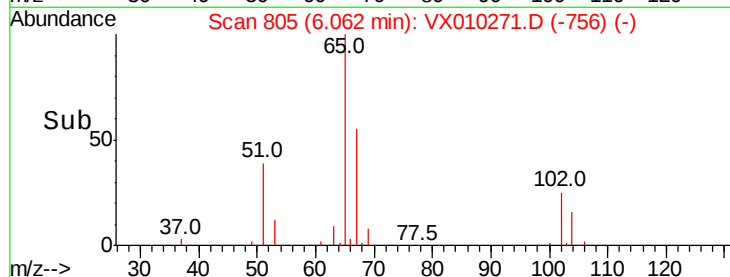
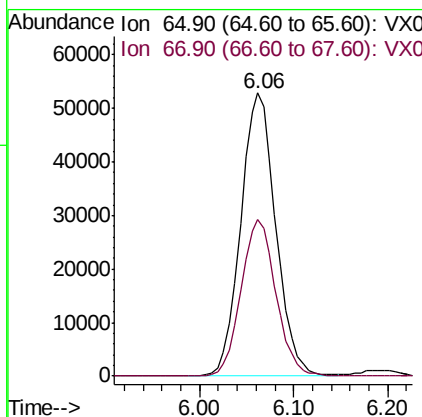
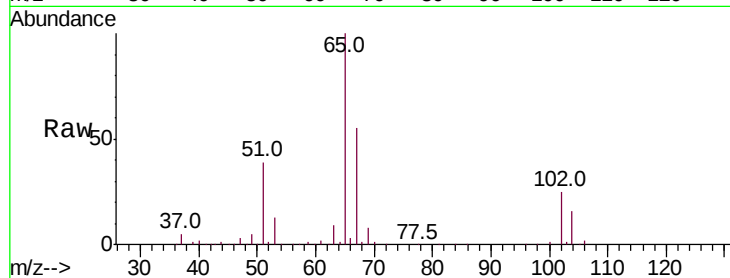
#33
 1,2-Dichloroethane-d4
 Concen: 49.325 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	108.4

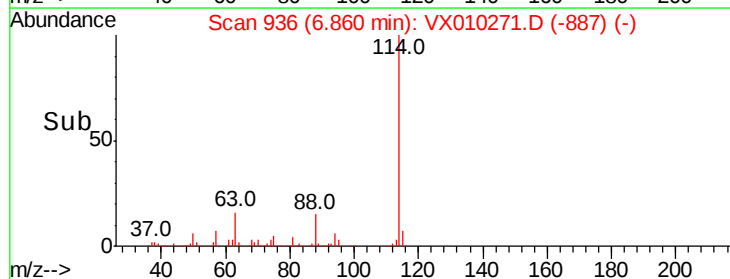
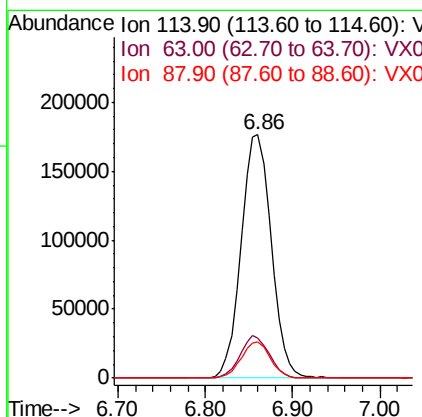
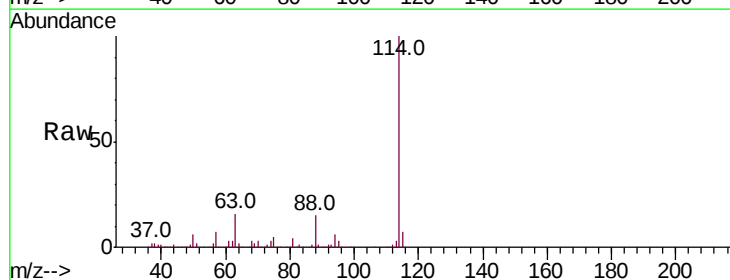
Manual Integrations
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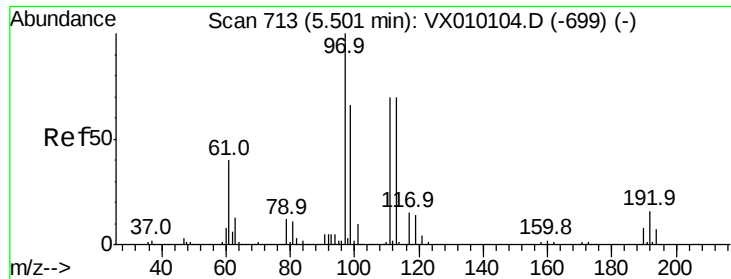
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	47.4
88	14.8	0.0	33.0





#35

Dibromofluoromethane

Concen: 51.860 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

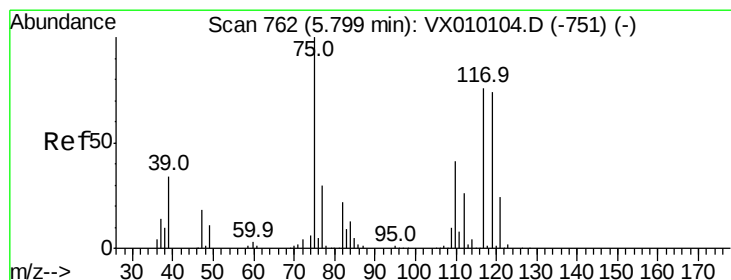
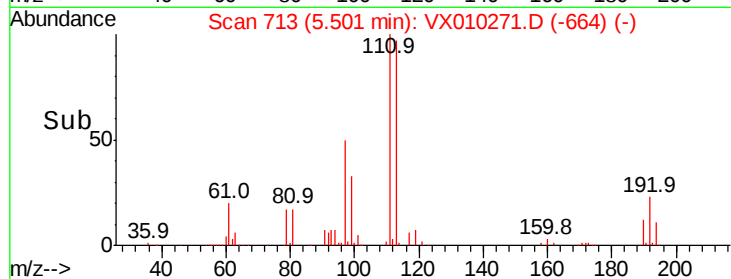
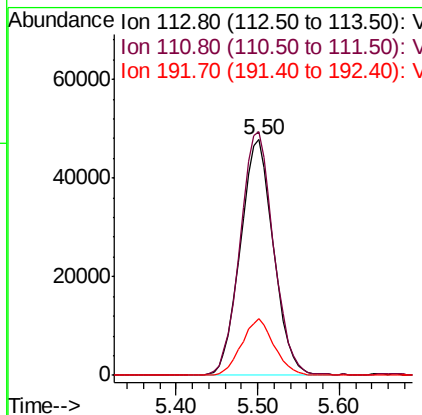
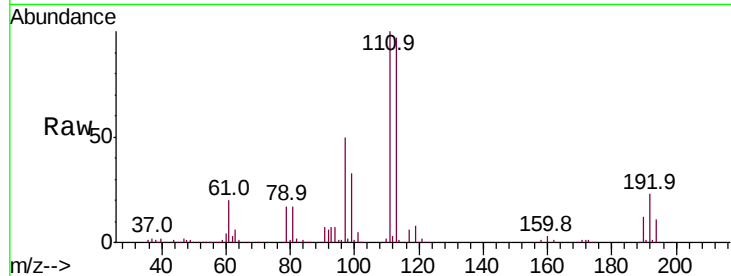
ClientSampleId :

VX0613WBS01

Tot Ion:	113	Resp:	135523
Ion Ratio	Lower	Upper	
113	100		
111	104.2	82.2	123.2
192	23.6	17.1	25.7

Manual Integrations
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6/14/2019 9:17:29 AM



#36

1,1-Dichloropropene

Concen: 17.738 ug/l

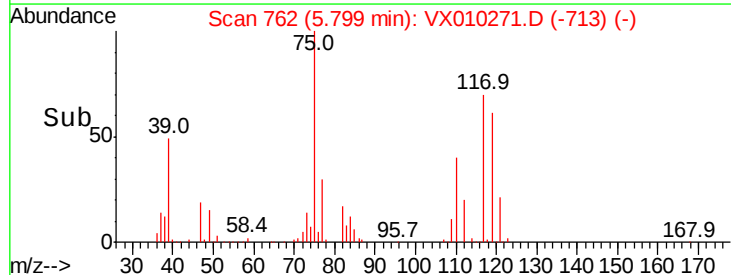
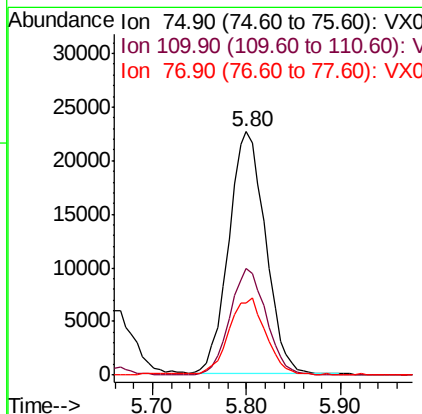
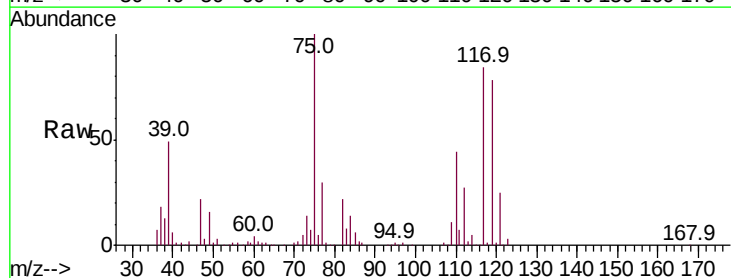
RT: 5.80 min Scan# 762

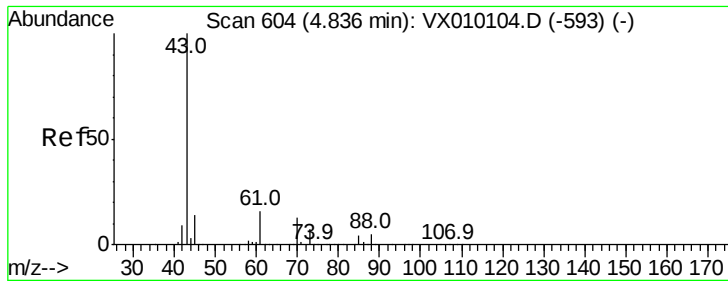
Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion:	75	Resp:	61312
Ion Ratio	Lower	Upper	
75	100		
110	43.6	16.7	50.1
77	32.1	25.0	37.4





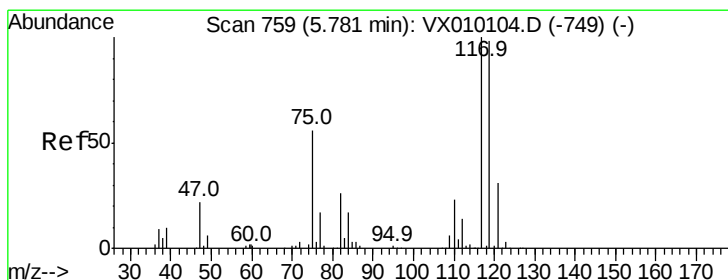
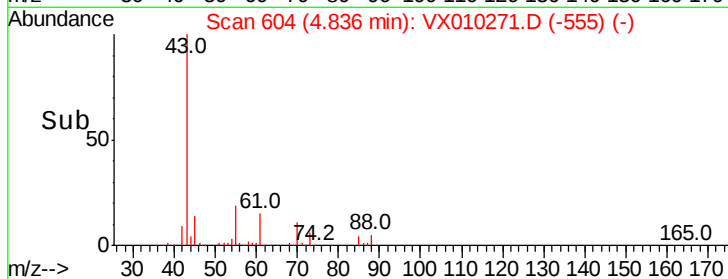
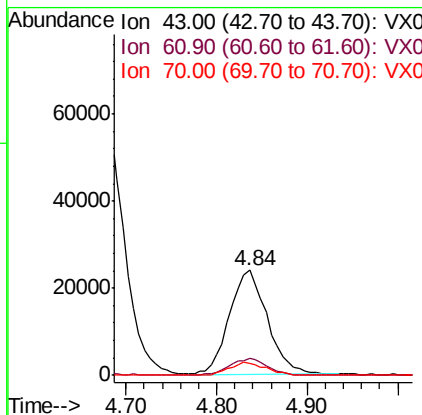
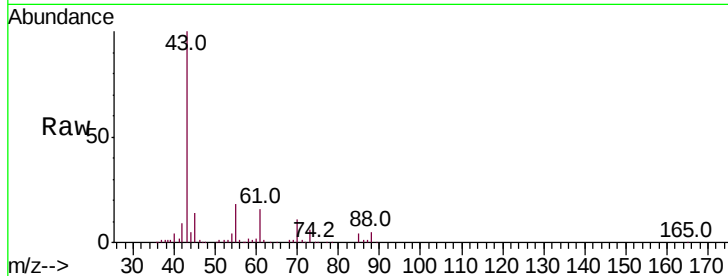
#37
Ethyl Acetate
Concen: 19.215 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.2	15.2#
70	12.7	7.4	11.2#

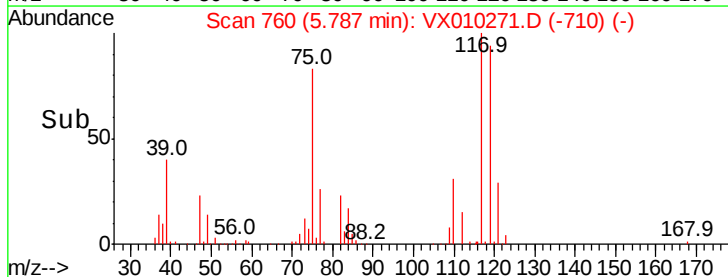
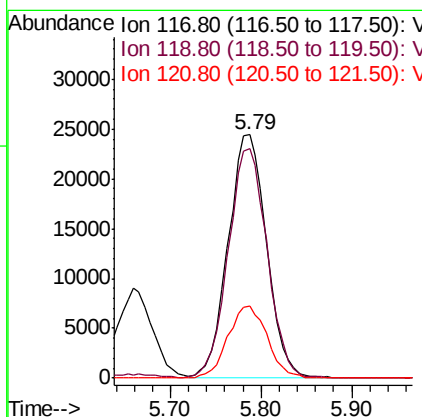
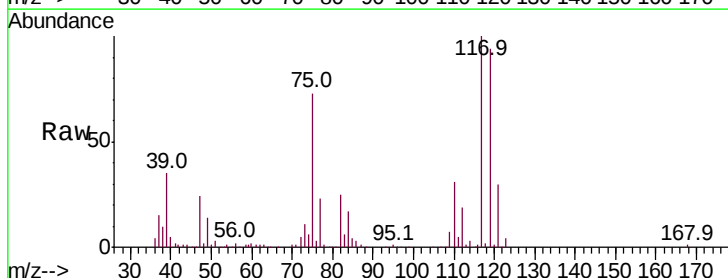
Manual Integrations
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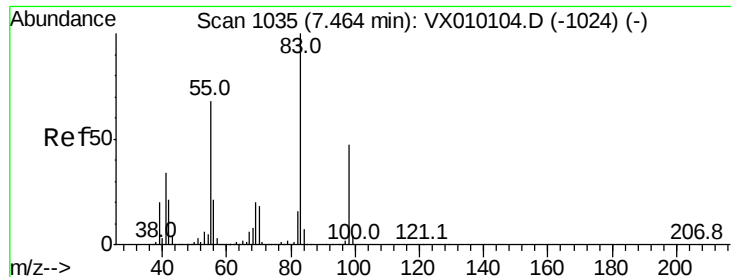
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.372 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.3	115.9
121	29.9	25.4	38.0





#39

Methvlcvclohexane

Concen: 17.655 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

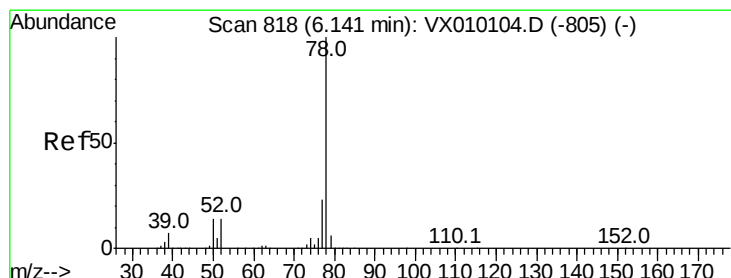
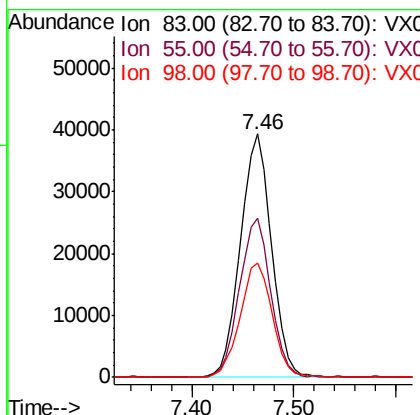
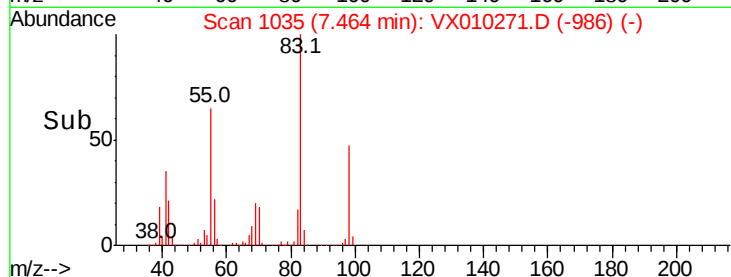
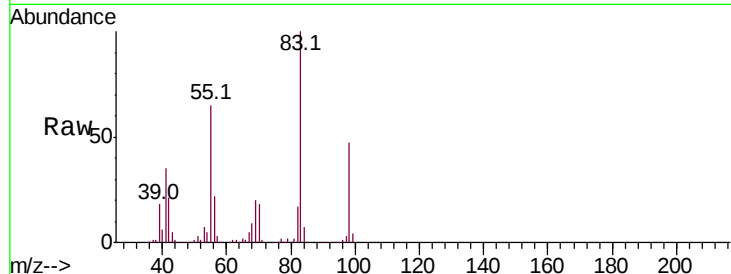
ClientSampleId :

VX0613WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.9	69.9	104.9#
98	46.9	35.1	52.7

Manual Integrations
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#40

Benzene

Concen: 19.086 ug/l

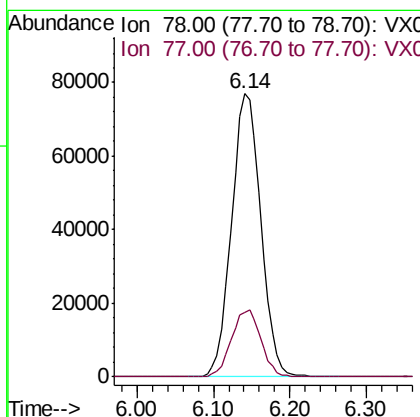
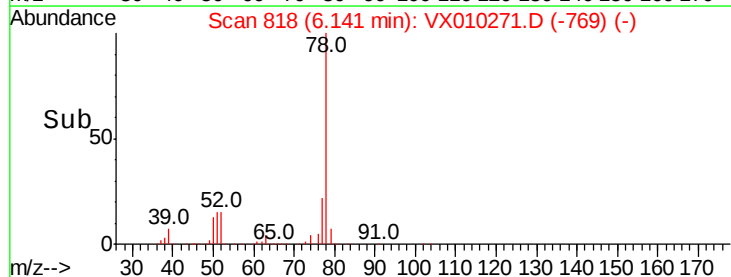
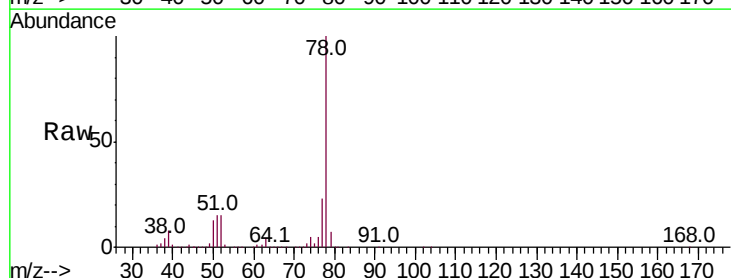
RT: 6.14 min Scan# 818

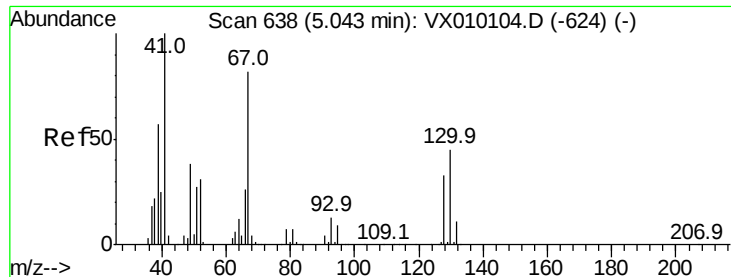
Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.2	28.8





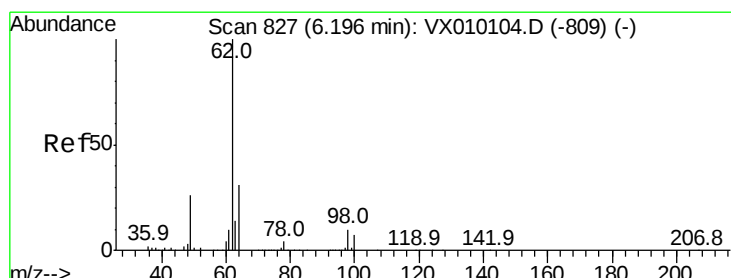
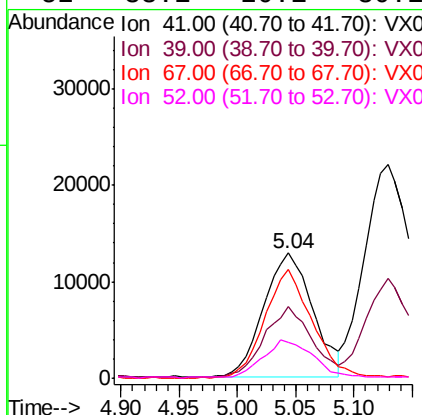
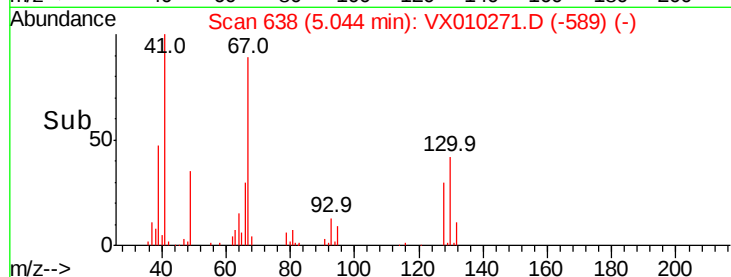
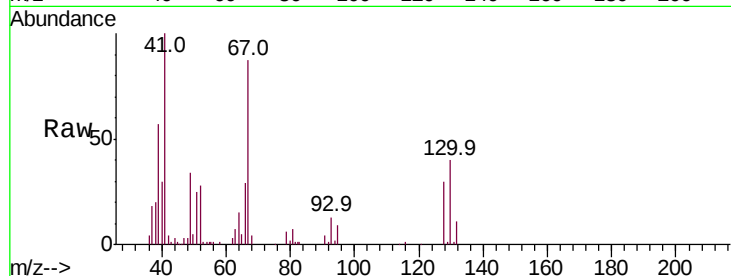
#41
Methacrylonitrile
Concen: 19.470 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	42.2	63.4	
67	84.0	48.9	73.3	
52	33.1	20.1	30.1	

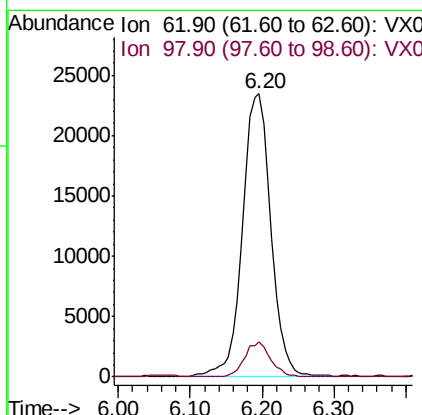
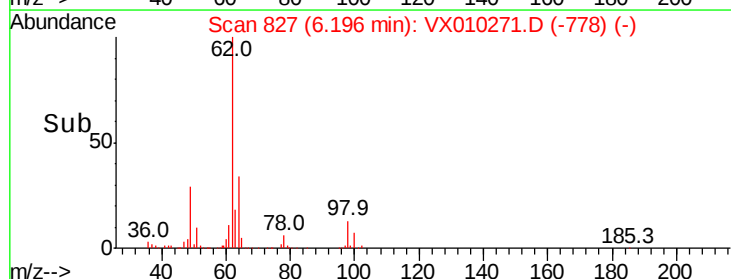
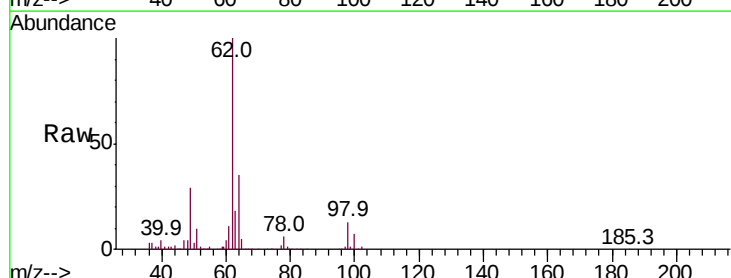
Manual Integrations
APPROVED

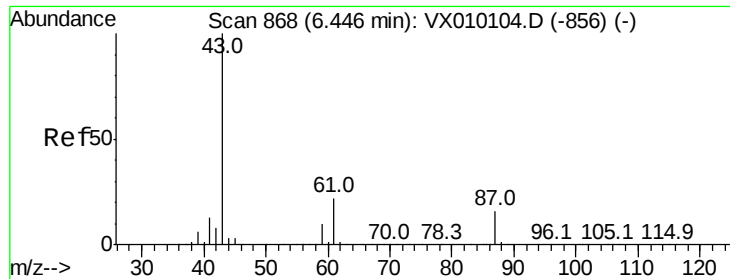
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.917 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.3	0.0	17.2	





#43

Isopropyl Acetate

Concen: 18.763 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 43 Resp: 112826

Ion Ratio Lower Upper

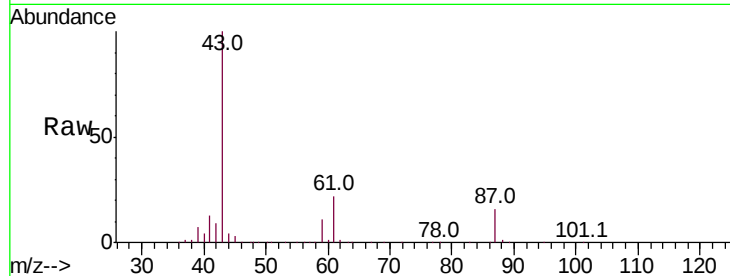
43 100

61 22.4 14.6 21.8#

87 16.5 8.7 13.1#

Manual Integrations
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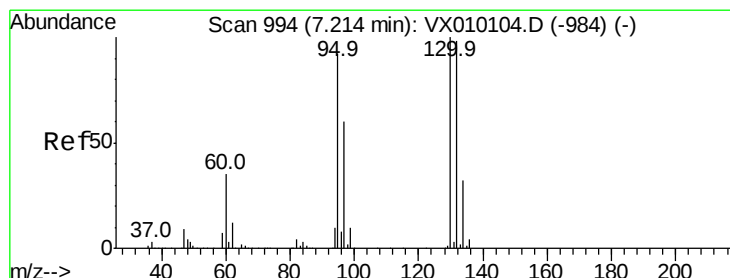
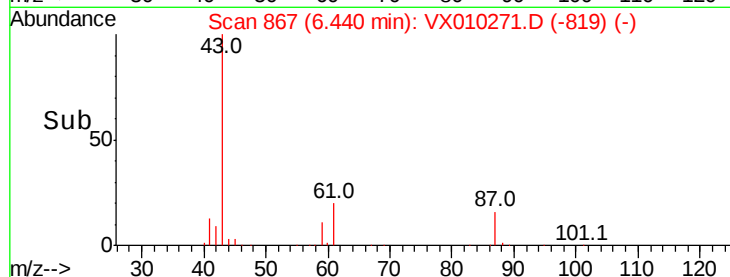
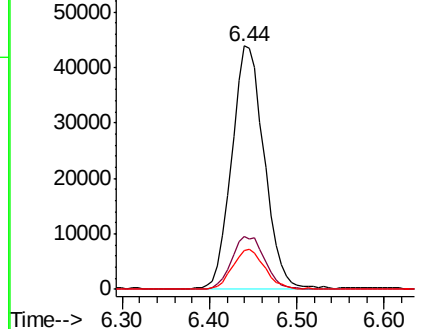
MMDadoda
6/14/2019 9:17:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.978 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010271.D

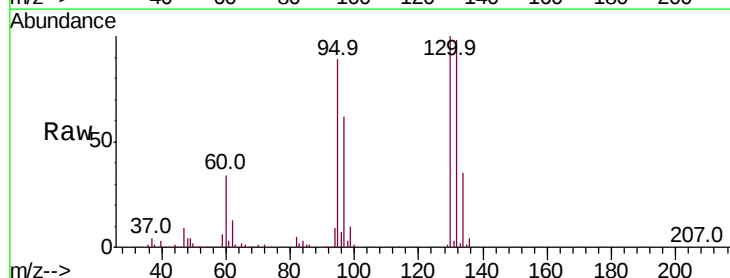
Acq: 13 Jun 2019 14:39

Tgt Ion:130 Resp: 61141

Ion Ratio Lower Upper

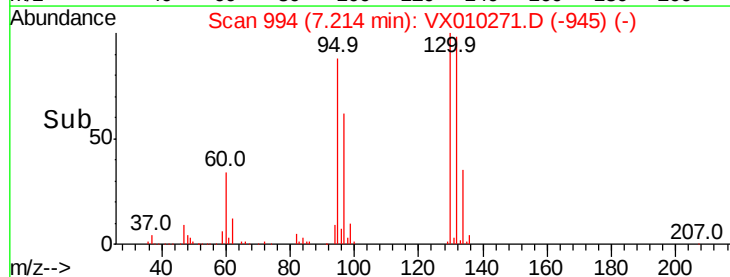
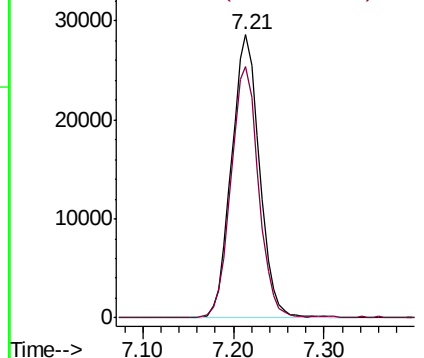
130 100

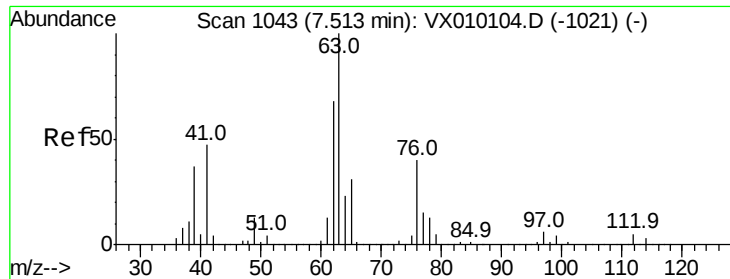
95 88.6 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.329 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 63 Resp: 51709

Ion Ratio Lower Upper

63 100

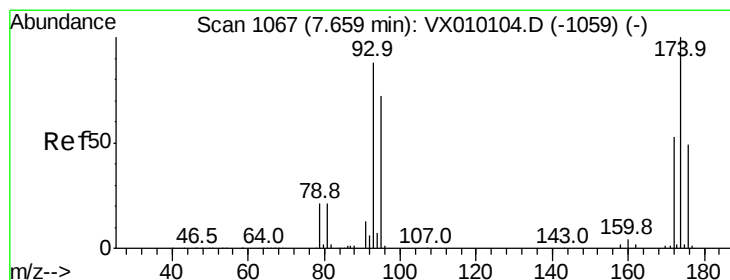
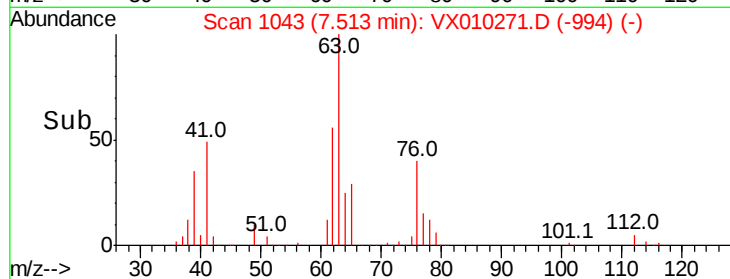
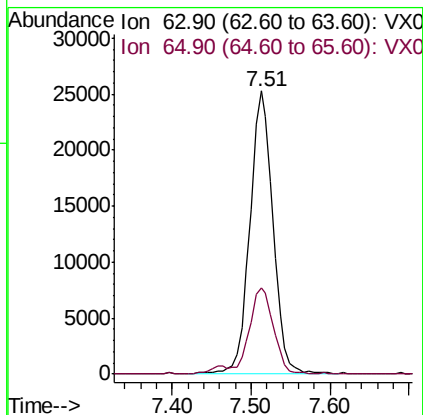
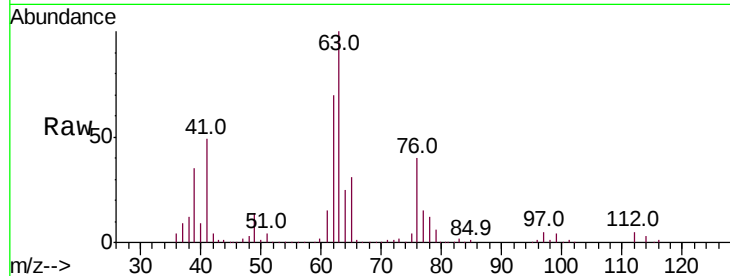
65 30.3 25.7 38.5

Manual Integrations

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#46

Dibromomethane

Concen: 18.774 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

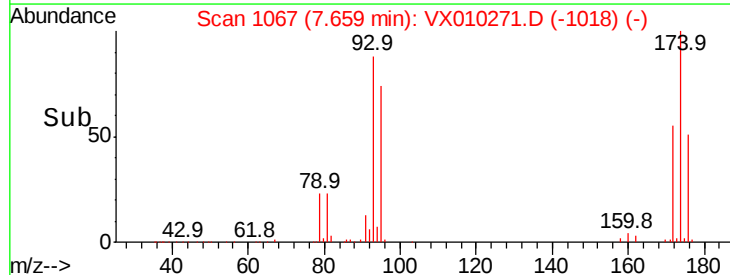
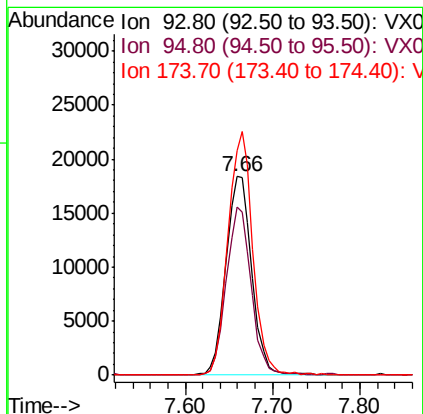
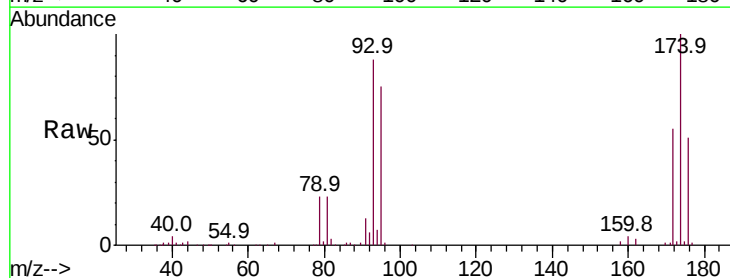
Tgt Ion: 93 Resp: 37627

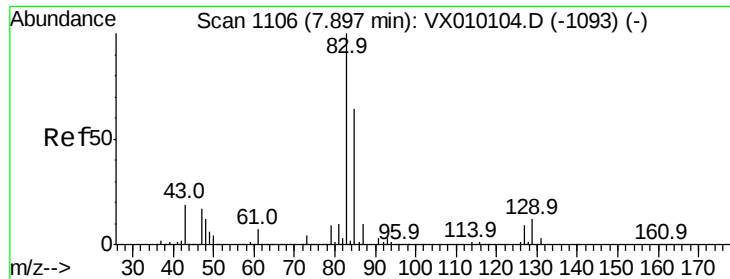
Ion Ratio Lower Upper

93 100

95 81.6 66.8 100.2

174 118.3 81.9 122.9





#47

Bromodichloromethane

Concen: 18.340 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

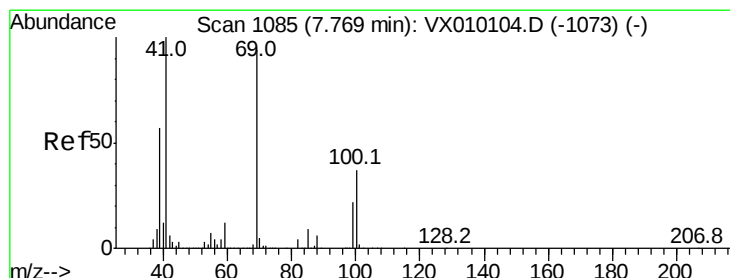
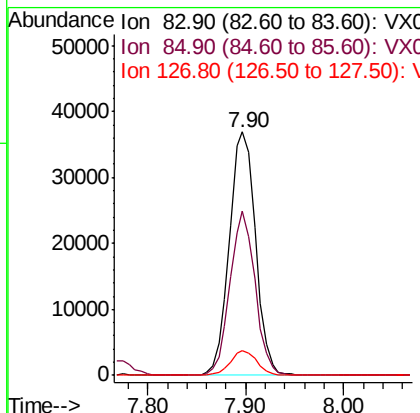
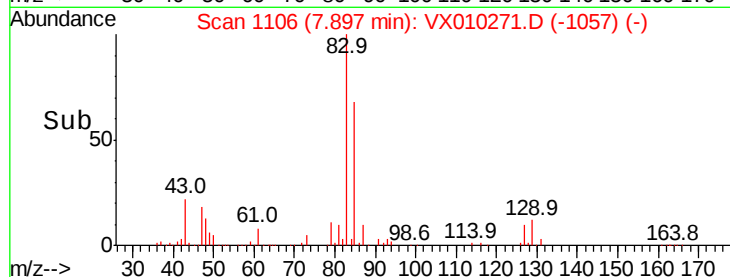
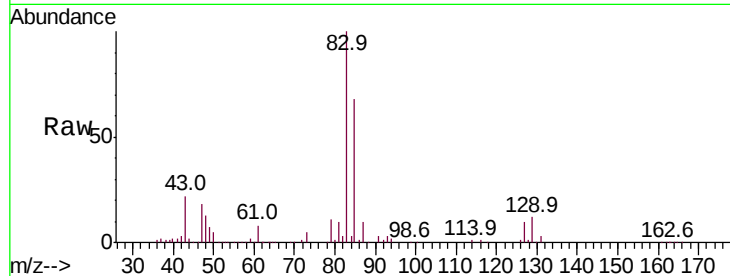
ClientSampleId :

VX0613WBS01

Tot Ion:	83	Resp:	68681
Ion Ratio	Lower	Upper	
83	100		
85	67.6	51.4	77.2
127	10.2	6.4	9.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.673 ug/l

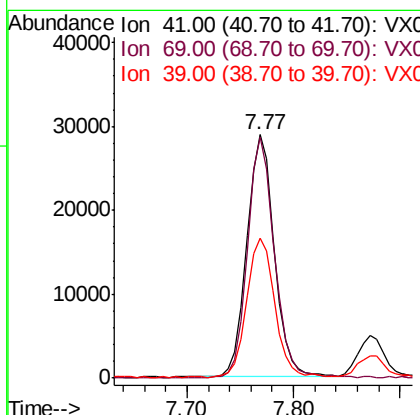
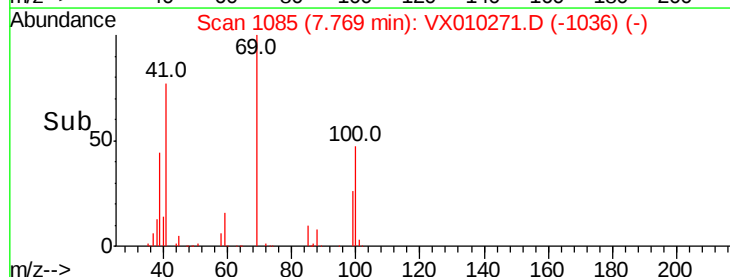
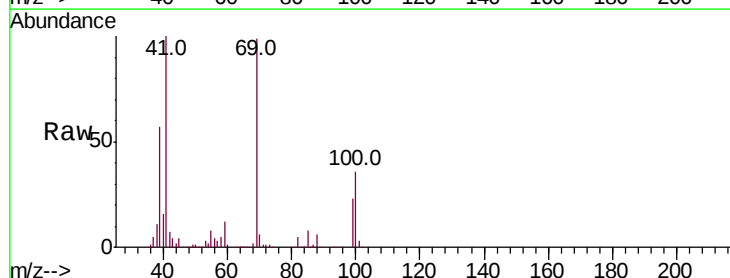
RT: 7.77 min Scan# 1085

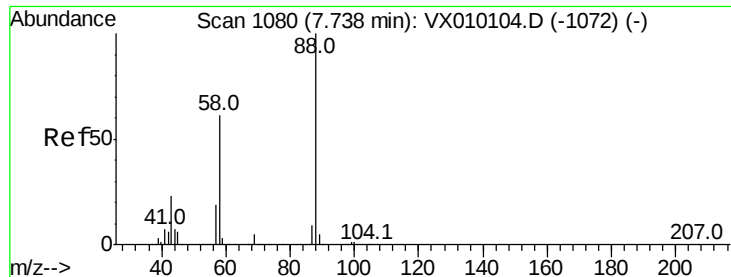
Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion:	41	Resp:	52512
Ion Ratio	Lower	Upper	
41	100		
69	96.9	56.4	84.6#
39	58.7	40.6	60.8





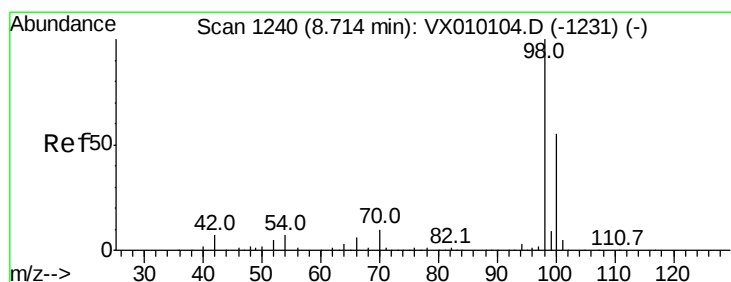
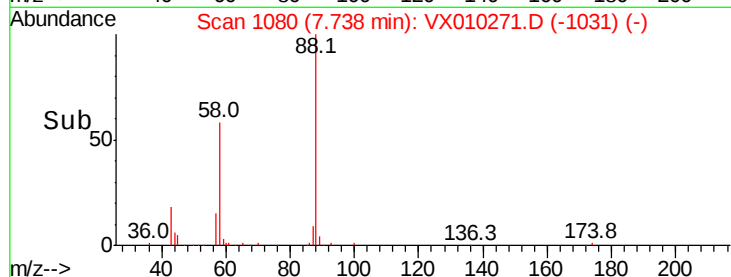
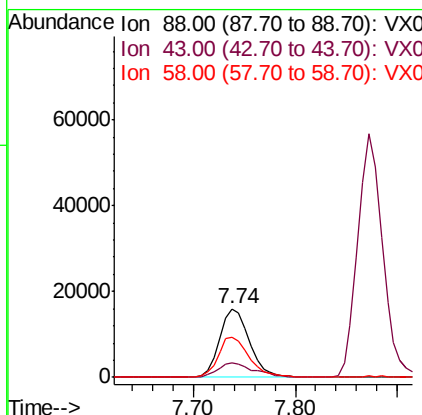
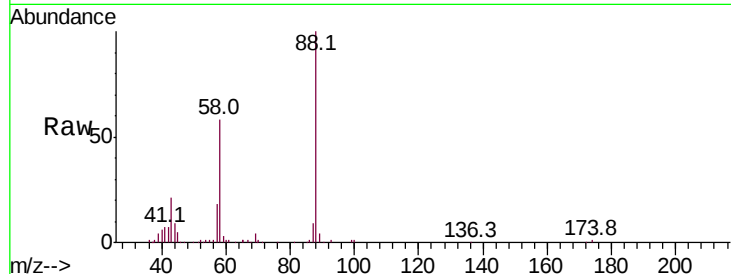
#49
1,4-Dioxane
Concen: 406.585 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.7	30.2	45.4#
58	61.5	64.0	96.0#

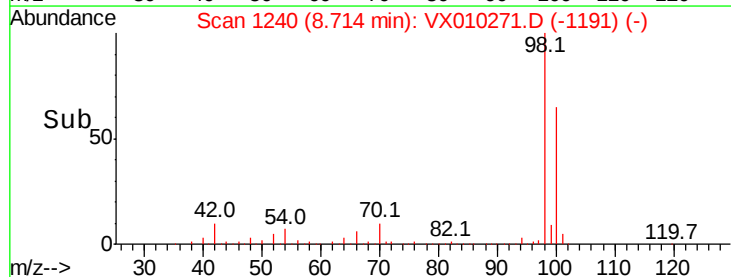
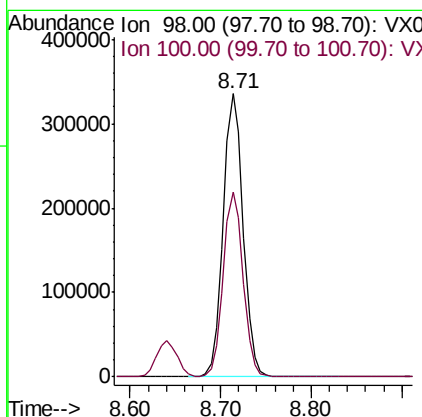
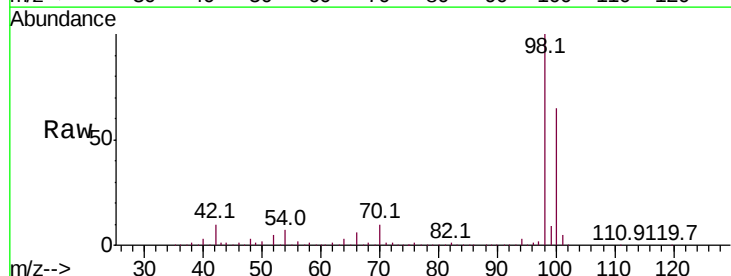
Manual Integrations
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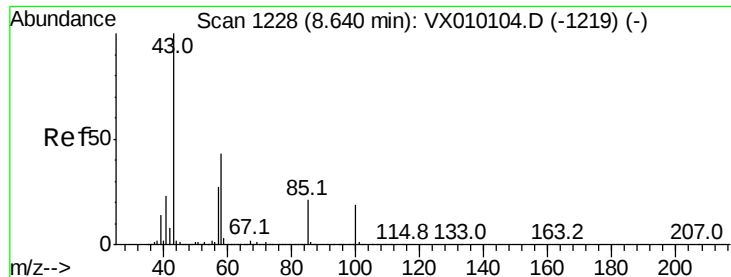
MMDadoda
6/14/2019 9:17:29 AM



#50
Toluene-d8
Concen: 52.466 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 102.566 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 43 Resp: 368438

Ion Ratio Lower Upper

43 100

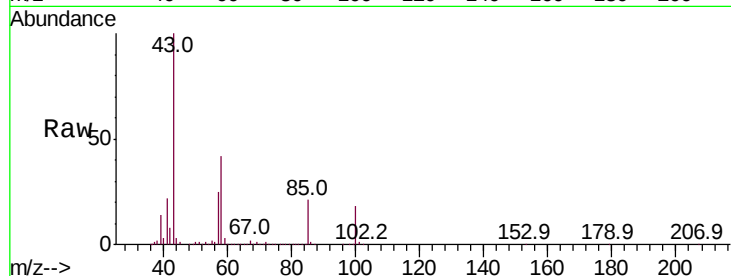
58 42.0 28.8 43.2

Manual Integrations

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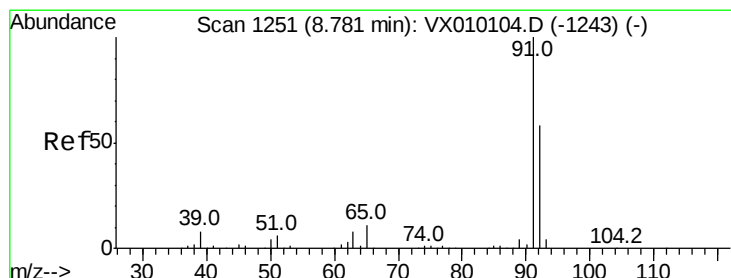
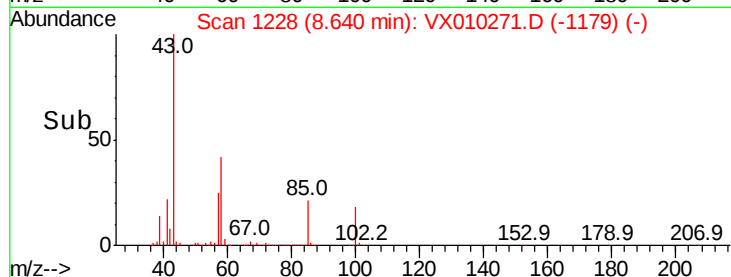
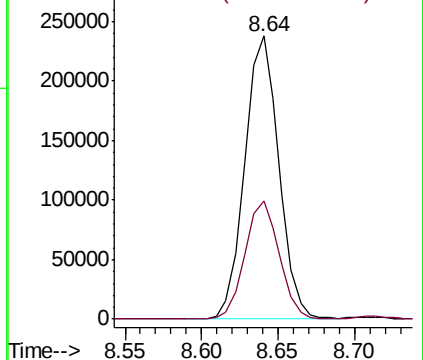
MMDadoda

6/14/2019 9:17:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.060 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010271.D

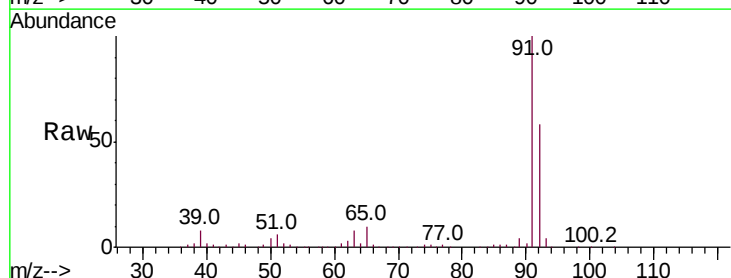
Acq: 13 Jun 2019 14:39

Tgt Ion: 92 Resp: 133909

Ion Ratio Lower Upper

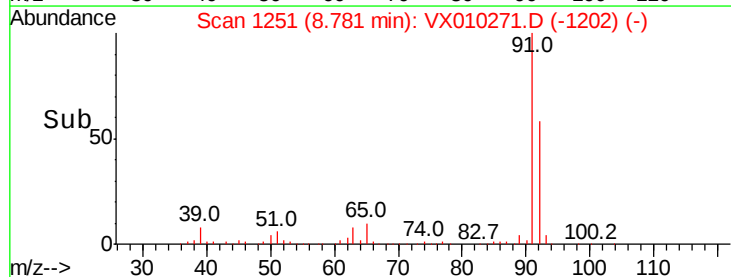
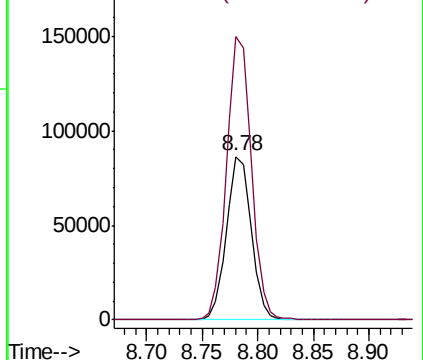
92 100

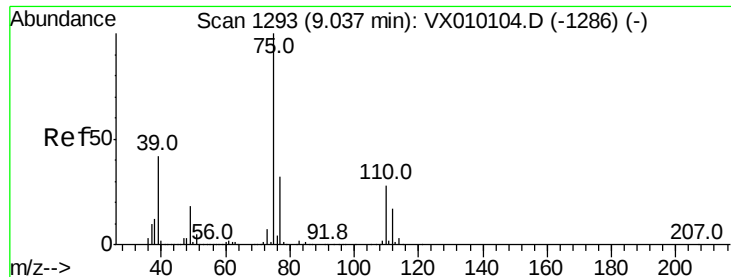
91 173.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 16.981 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 75 Resp: 73555

Ion Ratio Lower Upper

75 100

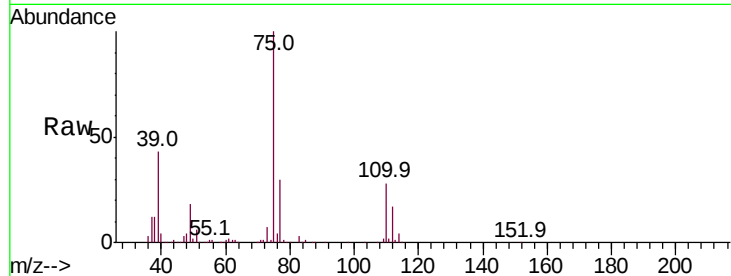
77 30.1 24.6 36.8

Manual Integrations

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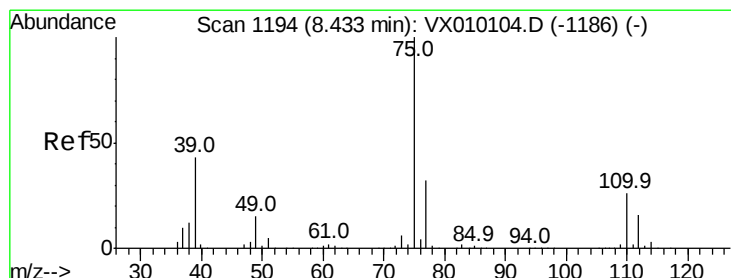
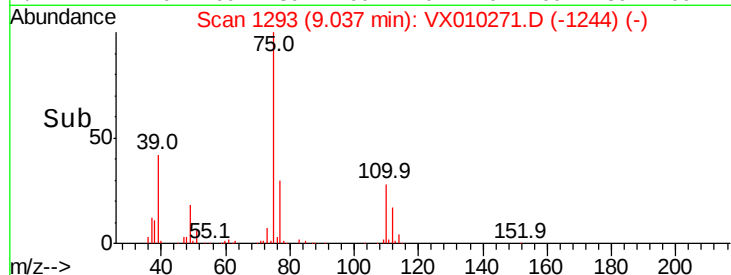
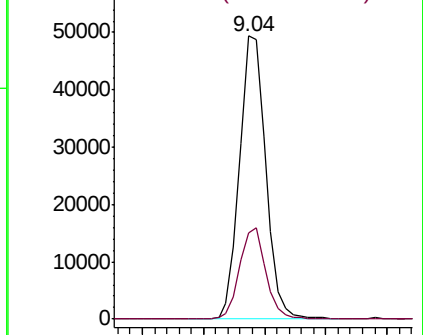
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 17.732 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

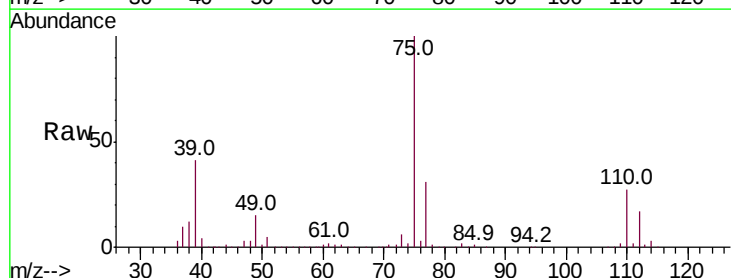
Tgt Ion: 75 Resp: 82345

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

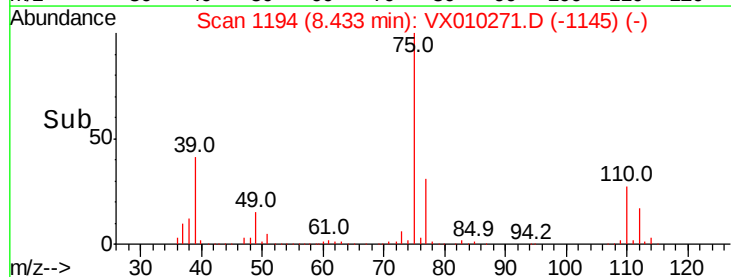
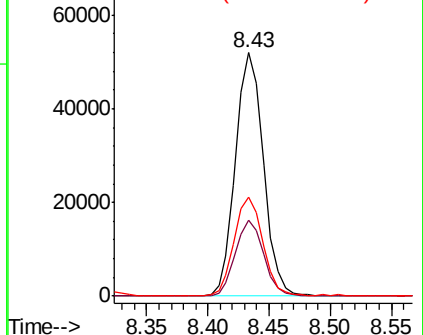
39 40.6 43.4 65.0#

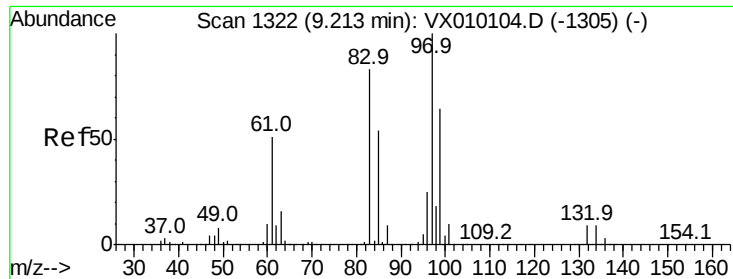


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





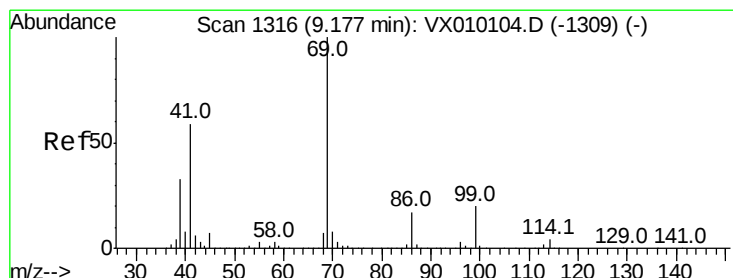
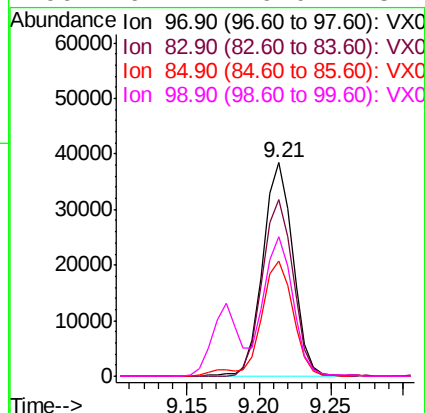
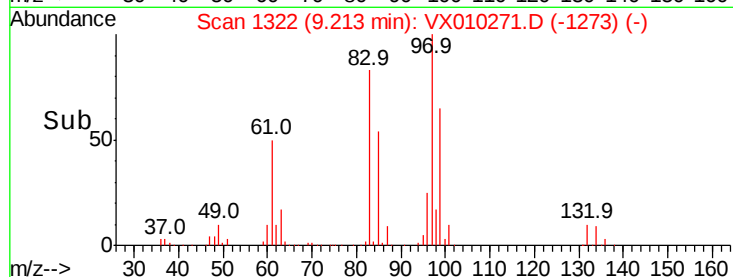
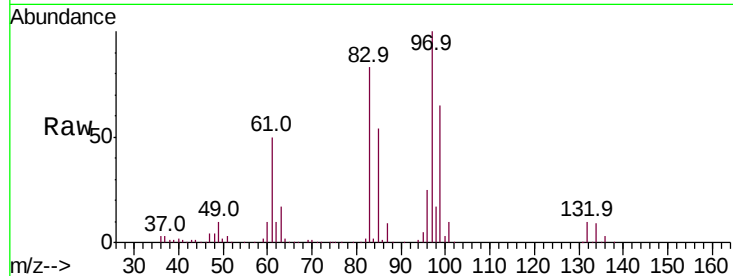
#55
1,1,2-Trichloroethane
Concen: 19.386 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.6	69.8	104.8	
85	54.1	45.3	67.9	
99	64.7	49.0	73.4	

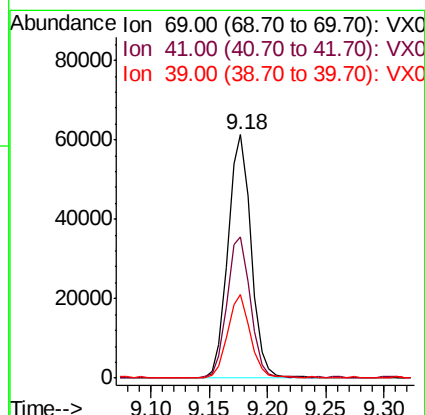
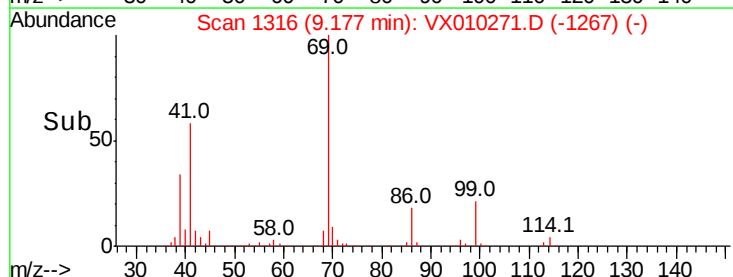
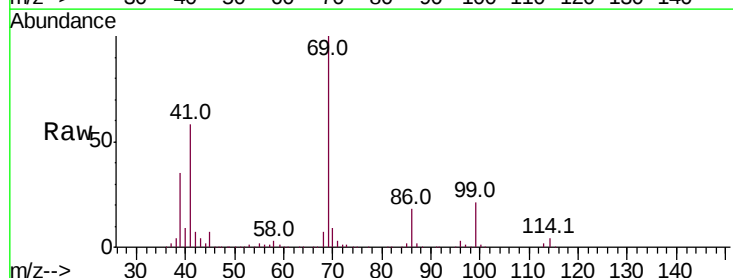
Manual Integrations
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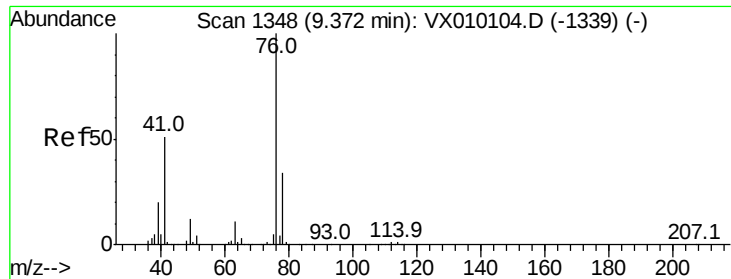
MMDadoda
6/14/2019 9:17:29 AM



#56
Ethyl methacrylate
Concen: 18.669 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	58.1	62.7	94.1#	
39	33.4	29.5	44.3	





#57

1,3-Dichloropropane

Concen: 19.213 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 76 Resp: 87035

Ion Ratio Lower Upper

76 100

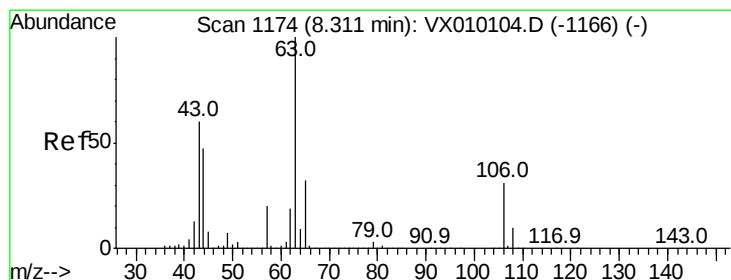
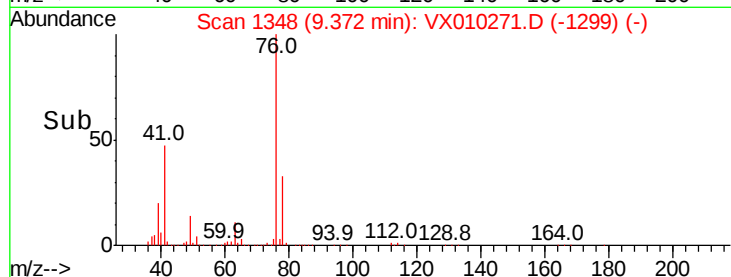
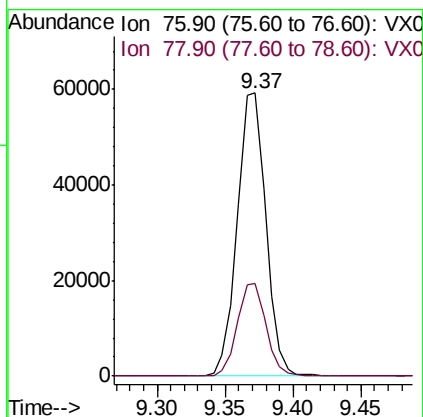
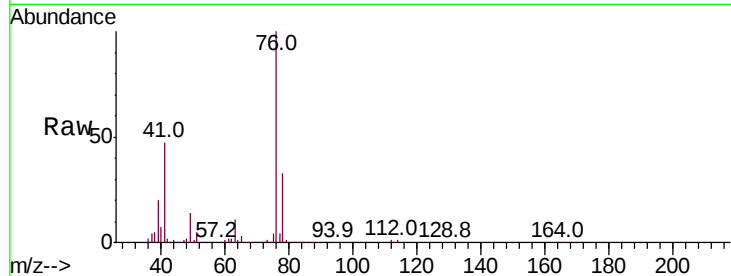
78 33.0 25.4 38.0

Manual Integrations

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MMDadoda

6/14/2019 9:17:29 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.880 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010271.D

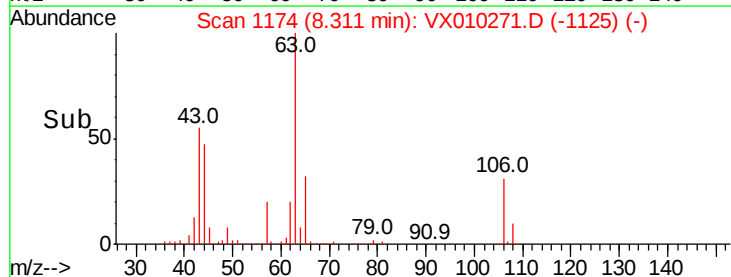
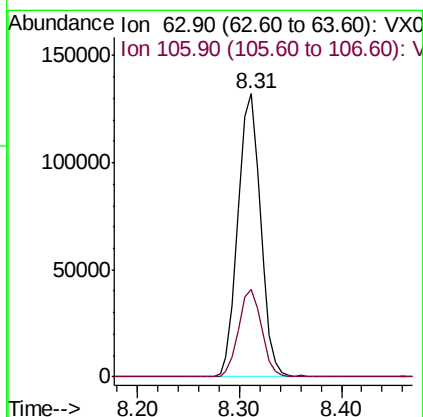
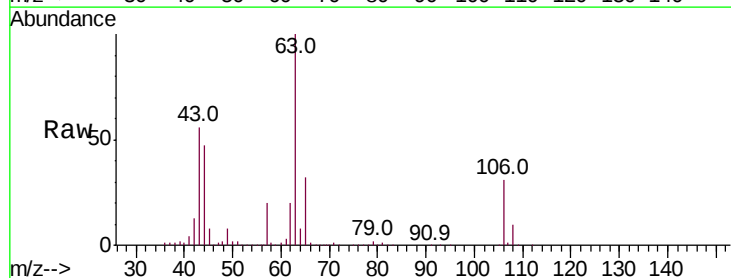
Acq: 13 Jun 2019 14:39

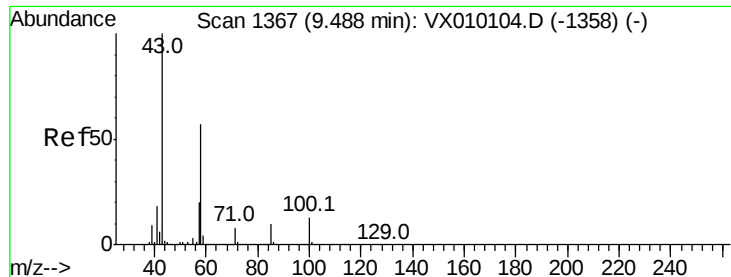
Tgt Ion: 63 Resp: 203302

Ion Ratio Lower Upper

63 100

106 31.4 19.4 29.2#





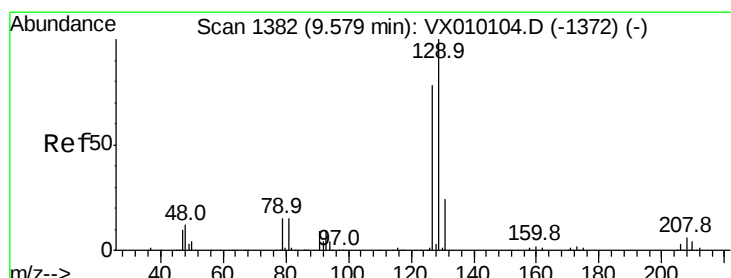
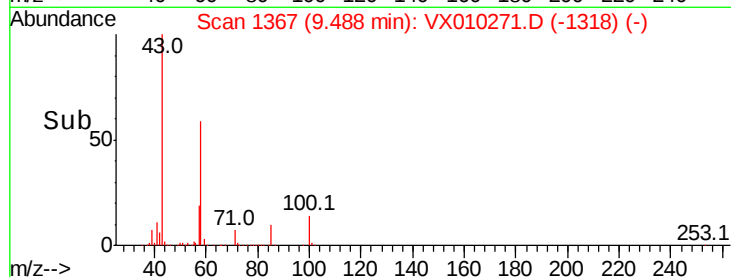
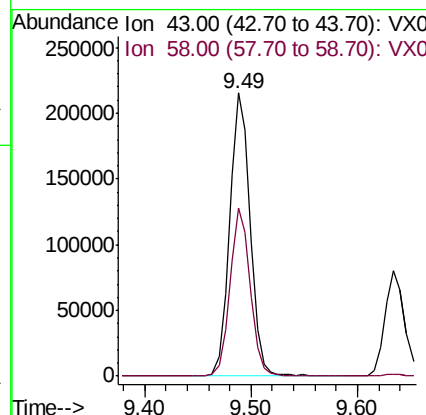
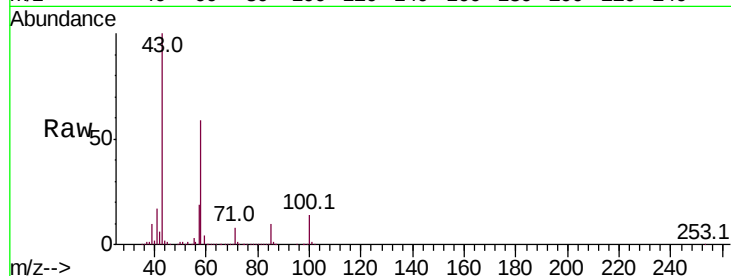
#59
2-Hexanone
Concen: 101.127 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.6	25.1	75.3

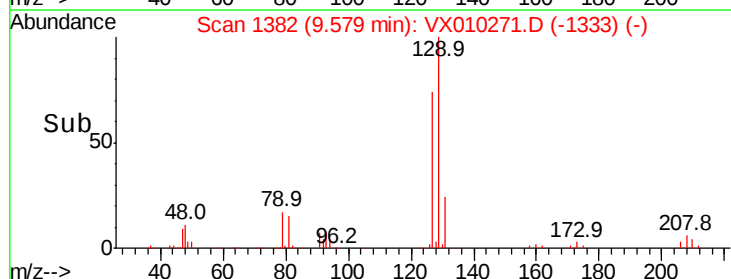
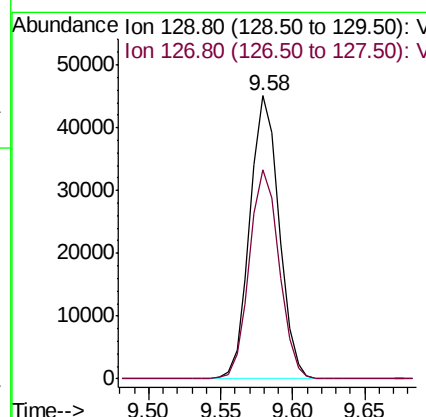
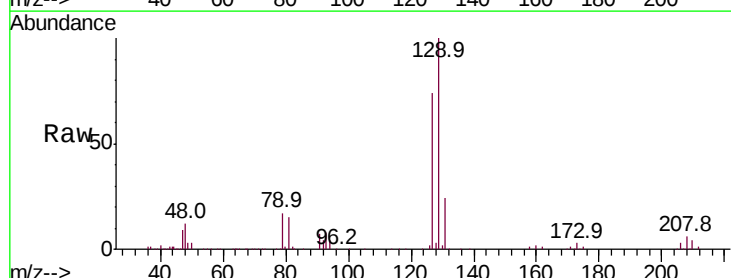
Manual Integrations
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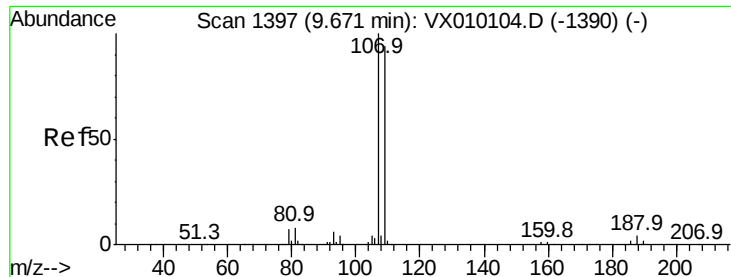
MMDadoda
6/14/2019 9:17:29 AM



#60
Dibromochloromethane
Concen: 18.601 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.5	115.5





#61

1,2-Dibromoethane

Concen: 18.857 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:107 Resp: 60431

Ion Ratio Lower Upper

107 100

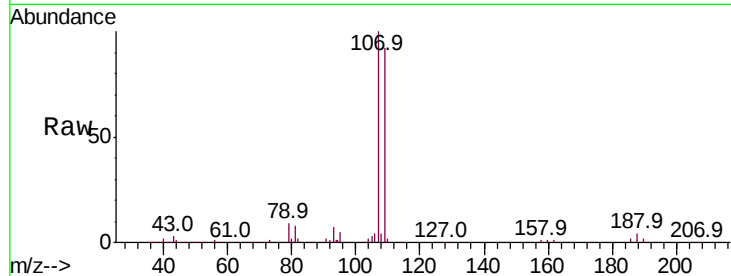
109 94.6 75.4 113.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

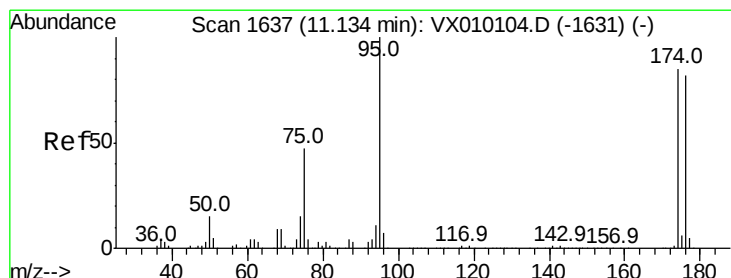
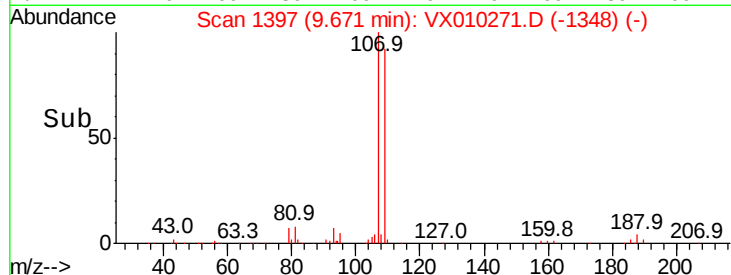
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.811 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

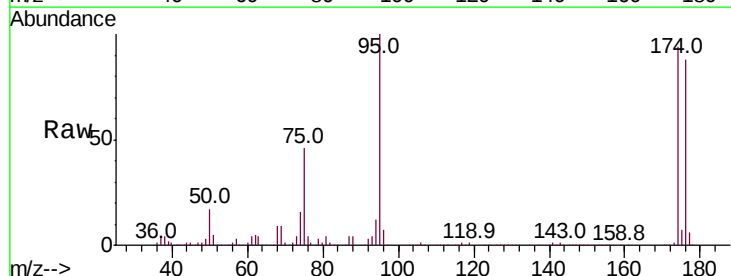
Tgt Ion: 95 Resp: 182194

Ion Ratio Lower Upper

95 100

174 95.0 0.0 160.4

176 91.7 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

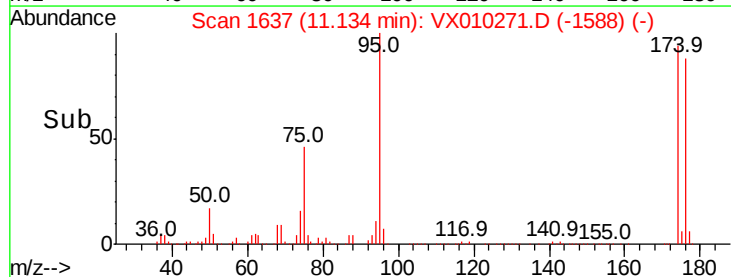
150000

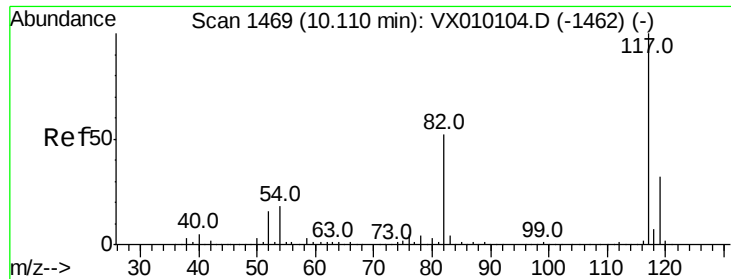
100000

50000

0

Time-->





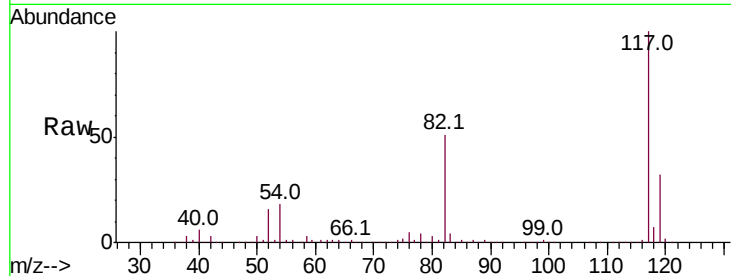
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	51.3	49.2	73.8	
119	32.5	25.2	37.8	

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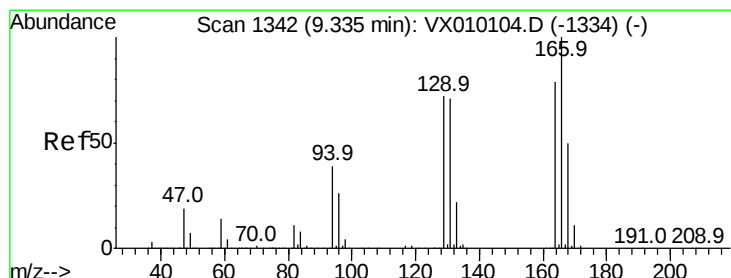
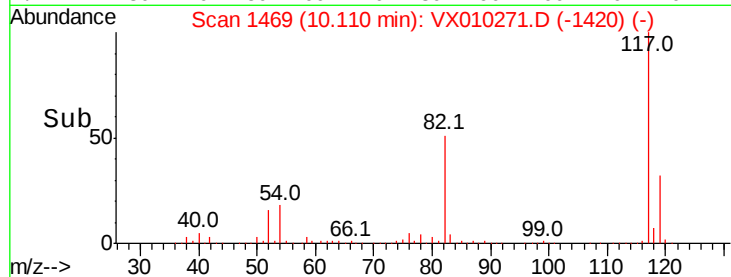
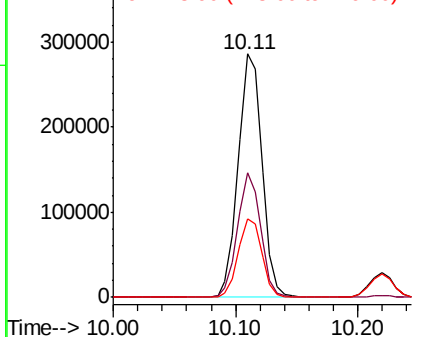


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.076 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	131.0	105.0	157.4	
129	88.2	75.1	112.7	
131	84.6	72.2	108.4	

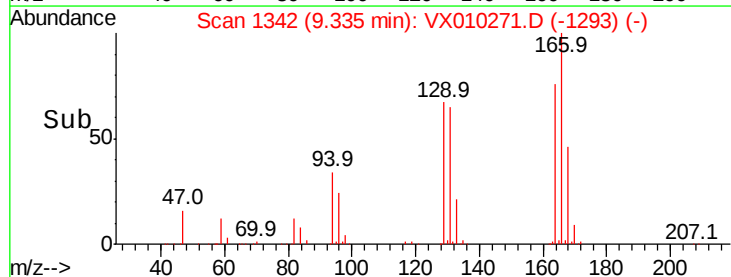
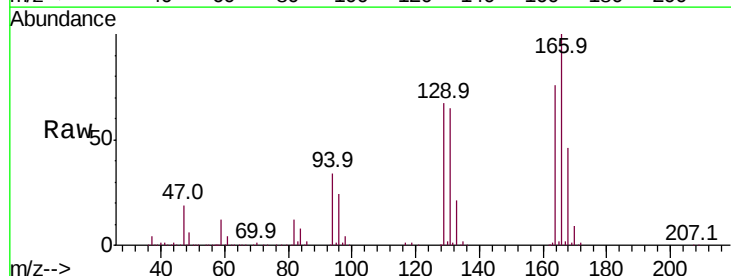
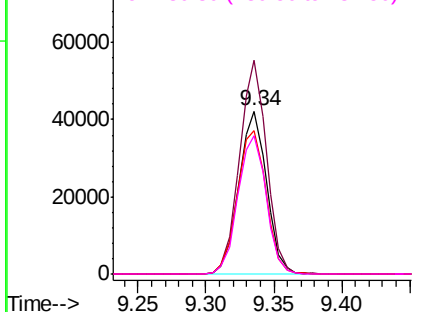
Abundance

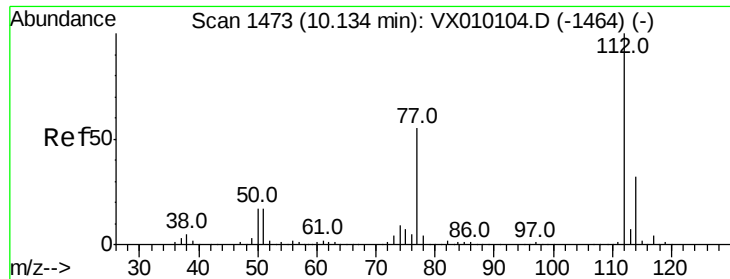
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.231 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:112 Resp: 152435

Ion Ratio Lower Upper

112 100

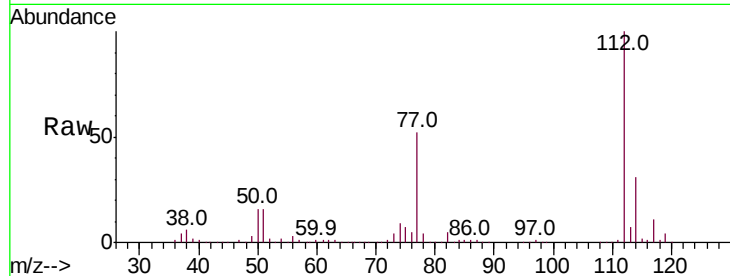
114 30.6 25.8 38.8

Manual Integrations

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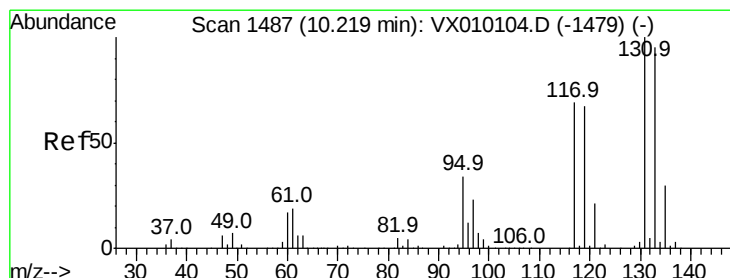
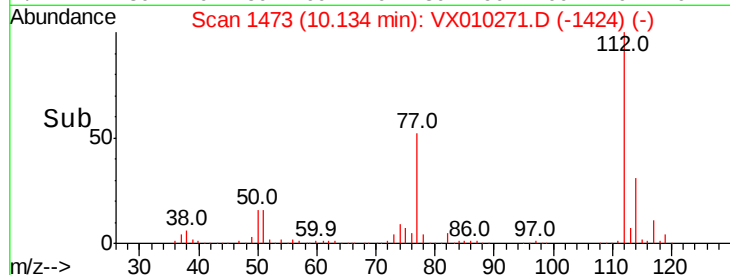
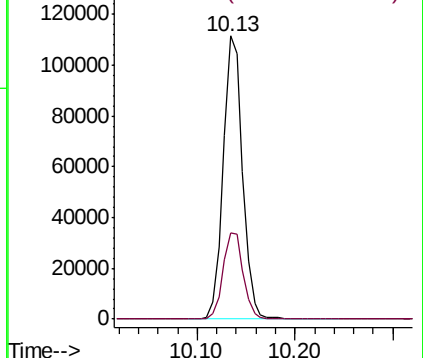
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.860 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

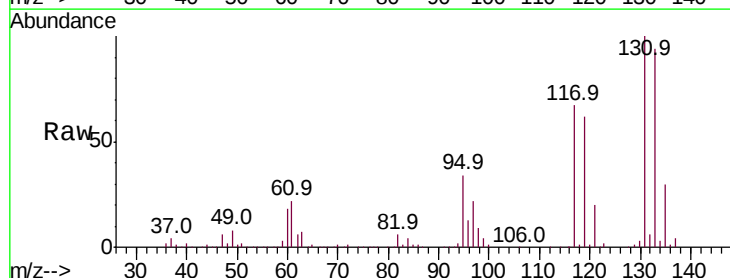
Tgt Ion:131 Resp: 57491

Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.6

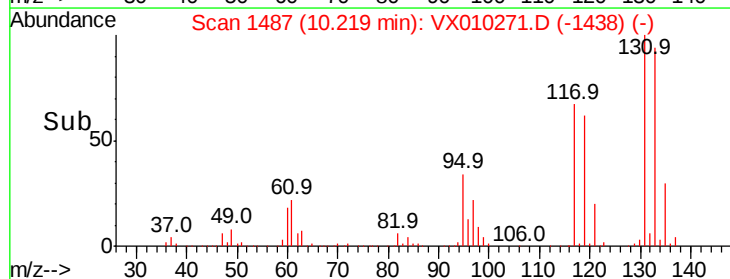
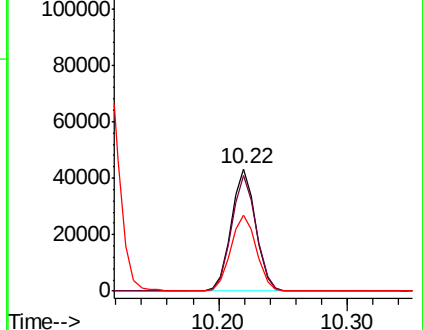
119 65.0 33.4 100.1

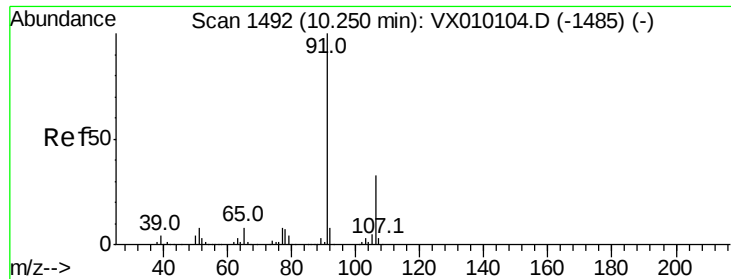


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.831 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampled :

VX0613WBS01

Tot Ion: 91 Resp: 254105

Ion Ratio Lower Upper

91 100

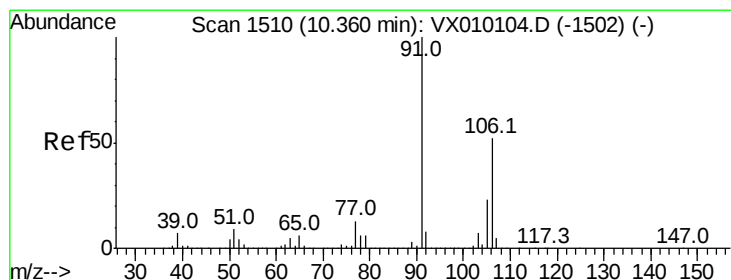
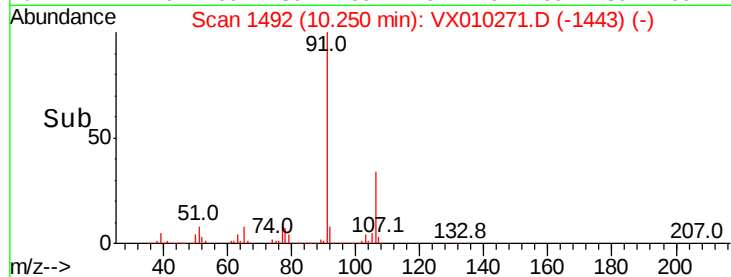
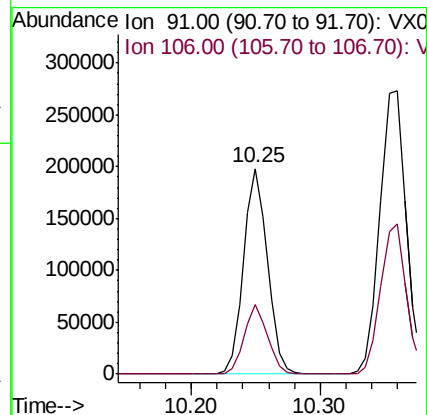
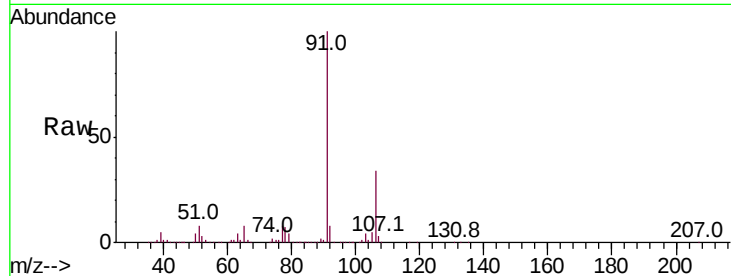
106 34.0 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.166 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010271.D

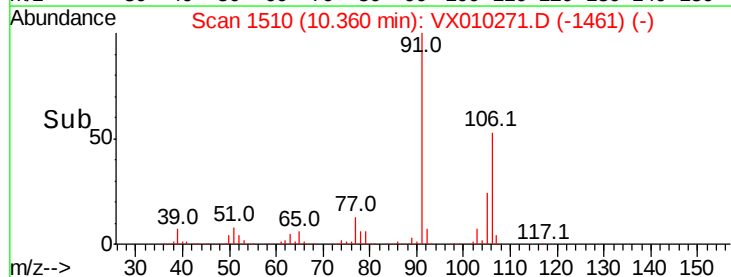
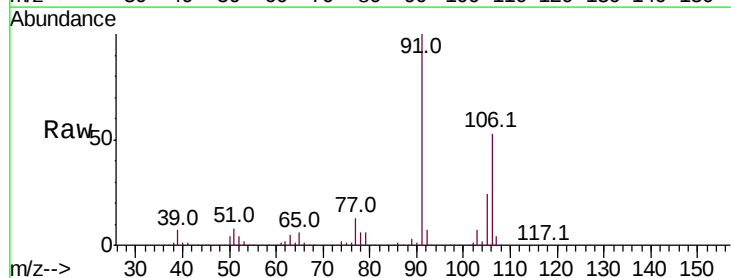
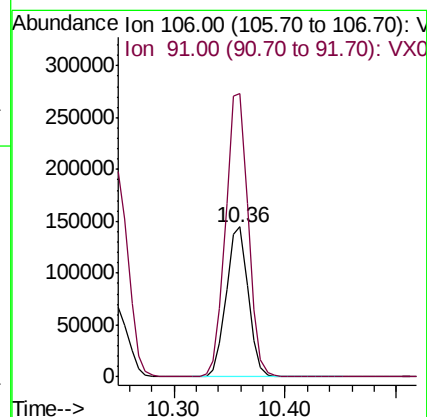
Acq: 13 Jun 2019 14:39

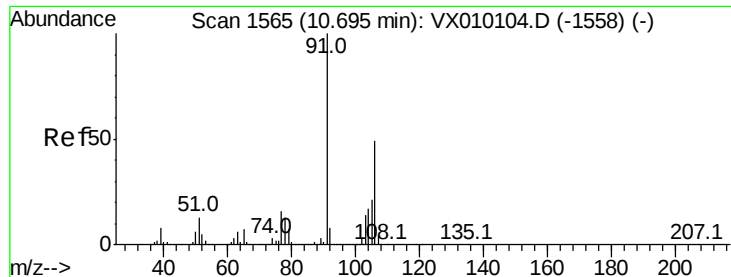
Tgt Ion: 106 Resp: 199294

Ion Ratio Lower Upper

106 100

91 192.4 167.3 250.9





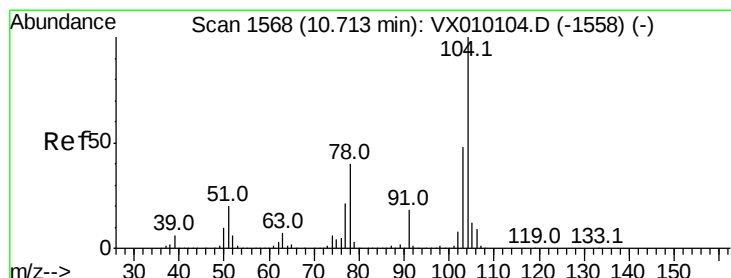
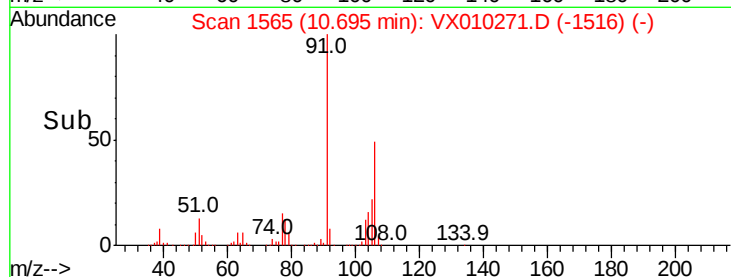
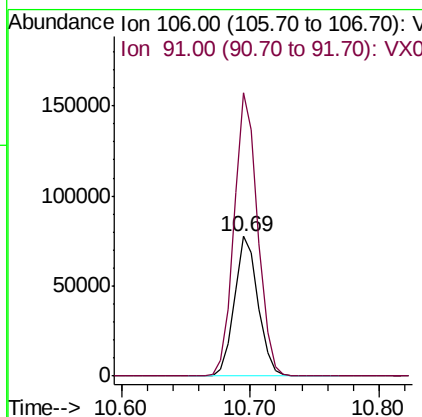
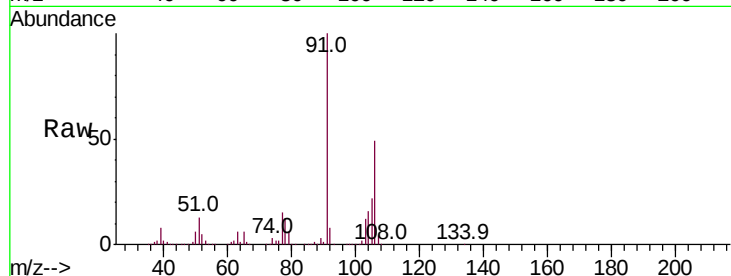
#69
o-Xylene
Concen: 19.156 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampled :
VX0613WBS01

Tot Ion:106 Resp: 99433
Ion Ratio Lower Upper
106 100
91 201.9 110.4 331.2

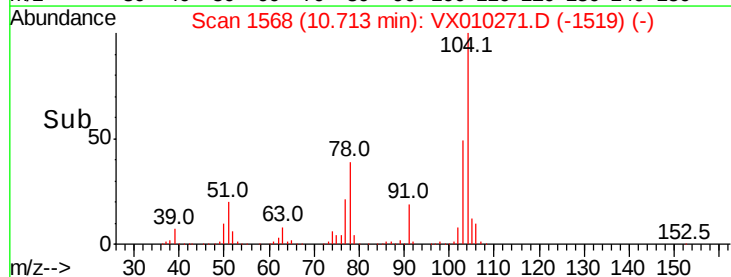
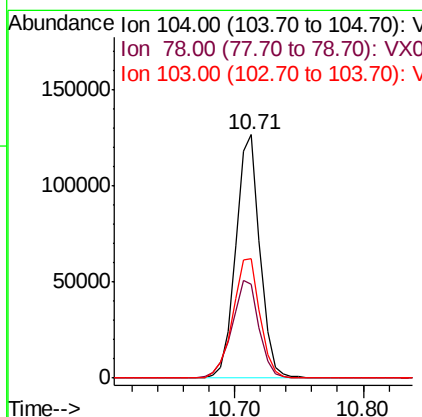
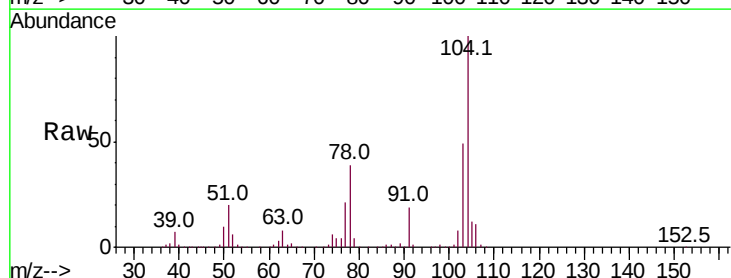
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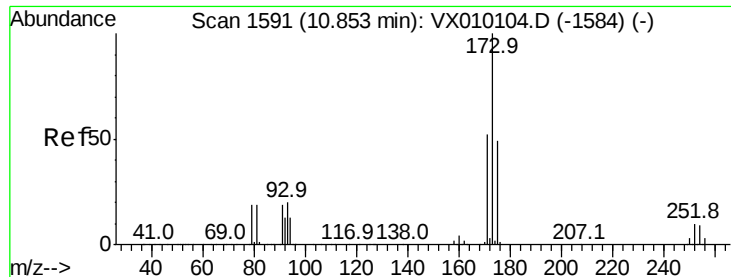
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#70
Styrene
Concen: 18.806 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion:104 Resp: 165326
Ion Ratio Lower Upper
104 100
78 45.3 42.1 63.1
103 55.3 44.1 66.1





#71

Bromoform

Concen: 17.548 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:173 Resp: 49174

Ion Ratio Lower Upper

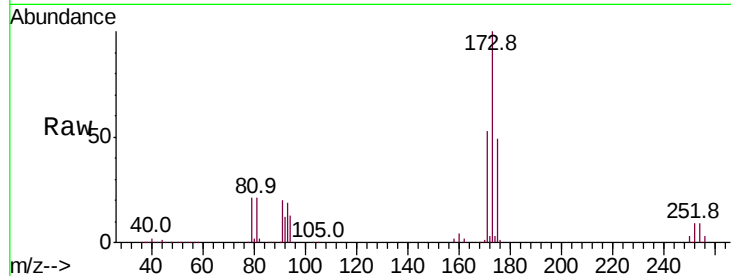
173 100

175 49.8 25.0 75.0

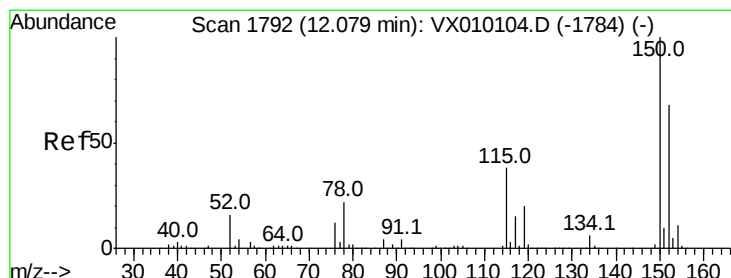
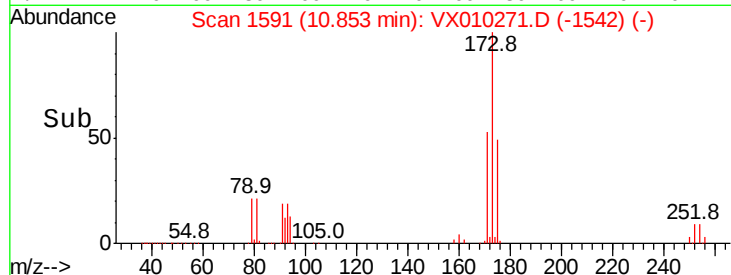
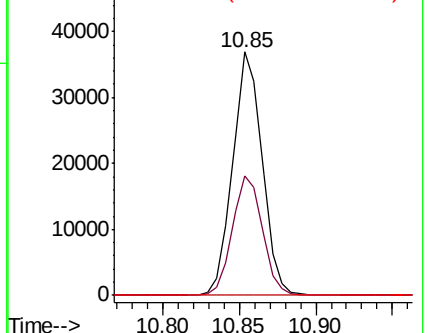
254 0.1 0.2 0.2#

Manual Integrations
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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: VX010271.D

Acq: 13 Jun 2019 14:39

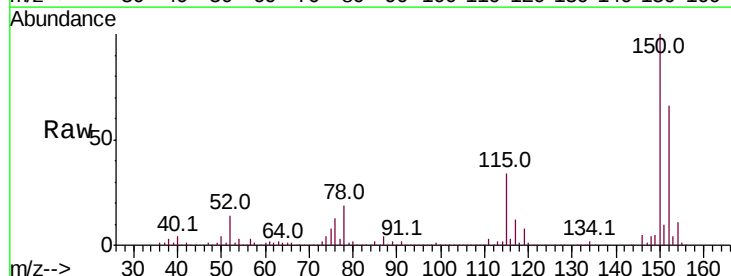
Tgt Ion:152 Resp: 196618

Ion Ratio Lower Upper

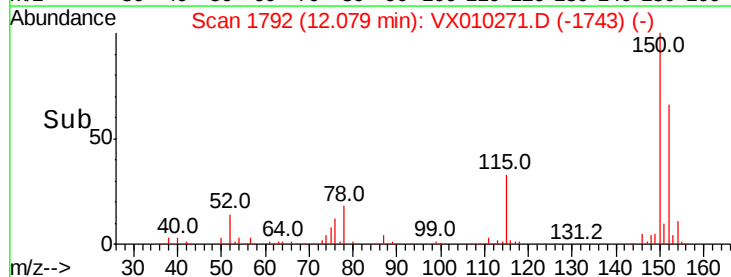
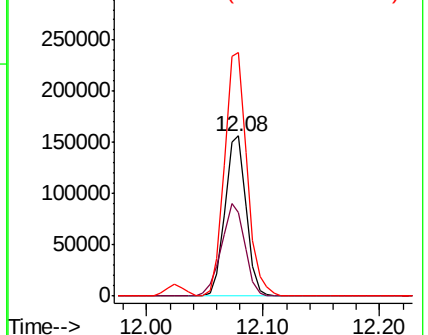
152 100

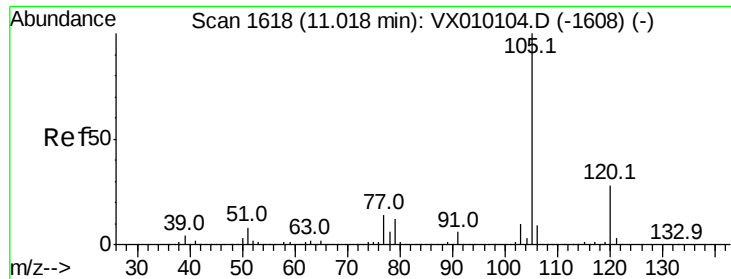
115 63.4 41.4 124.2

150 161.9 0.0 345.2



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: 18.981 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:105 Resp: 260523

Ion Ratio Lower Upper

105 100

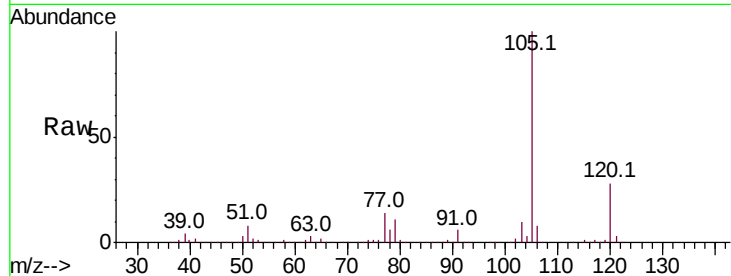
120 27.5 12.8 38.4

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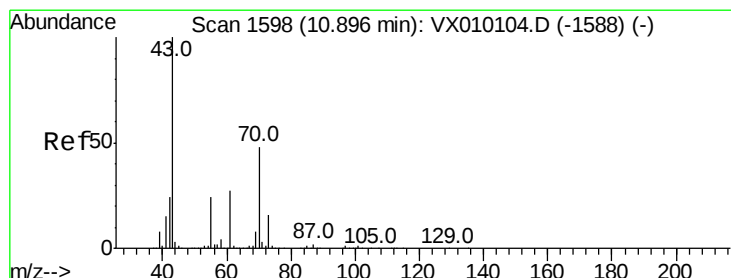
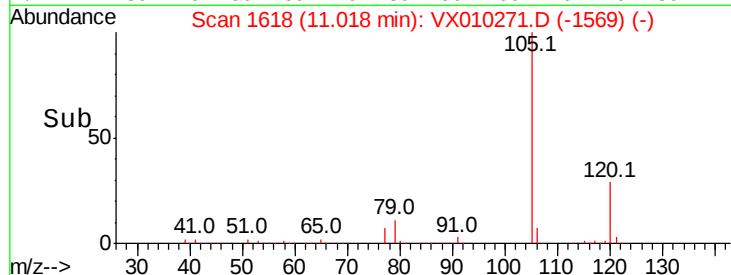
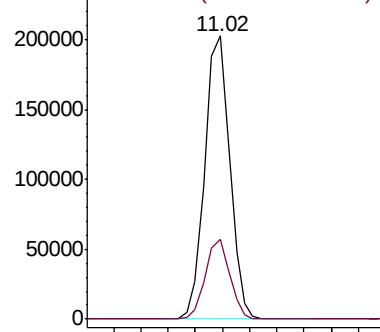
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.552 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion: 43 Resp: 100656

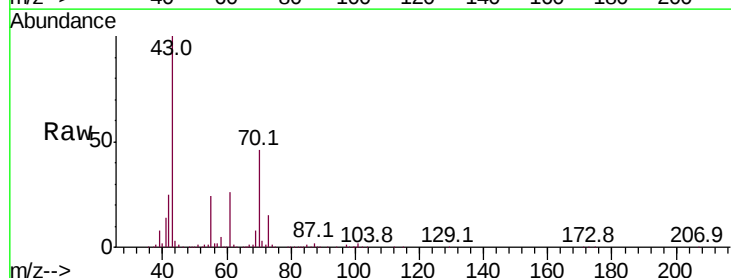
Ion Ratio Lower Upper

43 100

70 46.5 28.6 43.0#

55 24.8 17.8 26.8

61 25.9 17.7 26.5

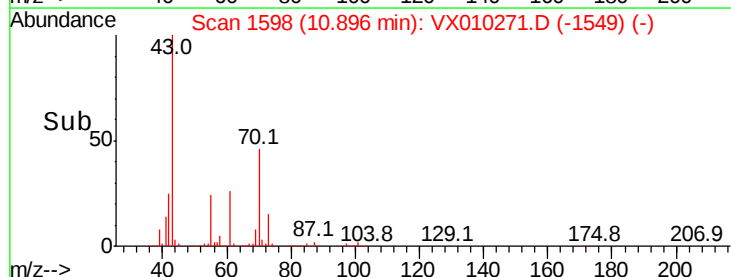
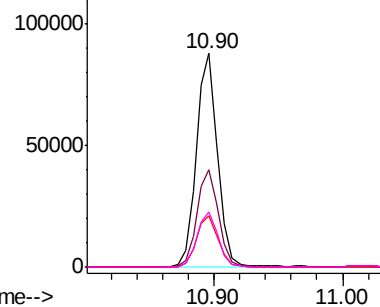


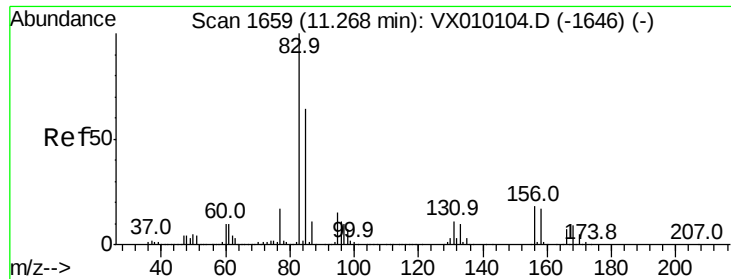
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.786 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

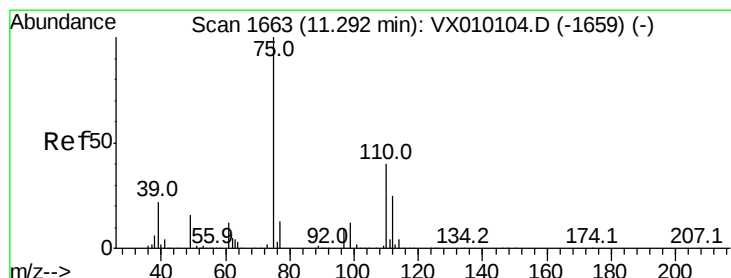
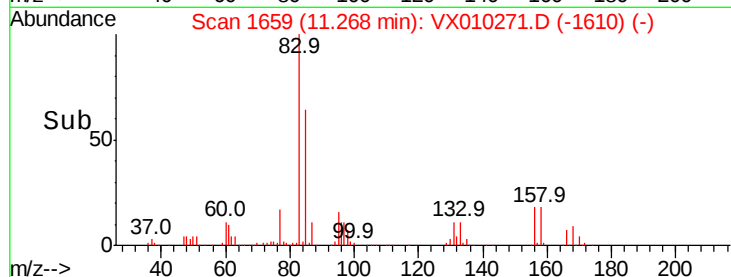
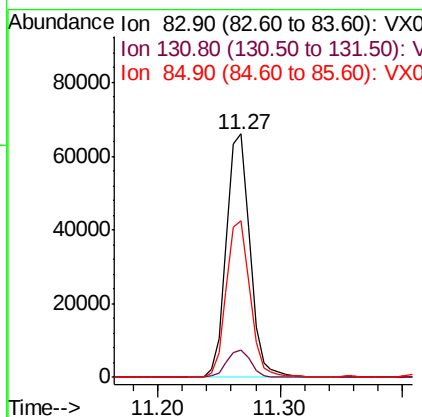
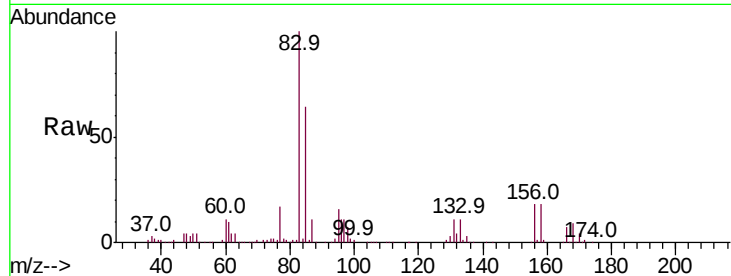
ClientSampleId :

VX0613WBS01

Tot Ion:	83	Resp:	88261
Ion Ratio	Lower	Upper	
83	100		
131	11.3	4.7	14.1
85	64.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.636 ug/l m

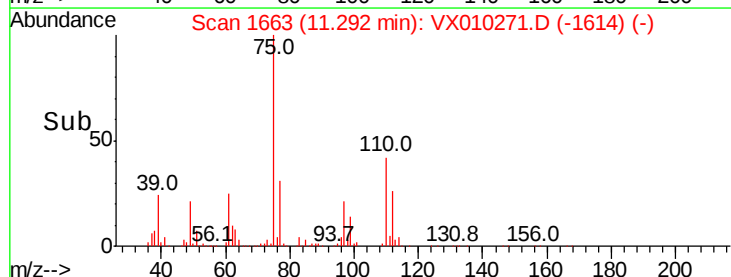
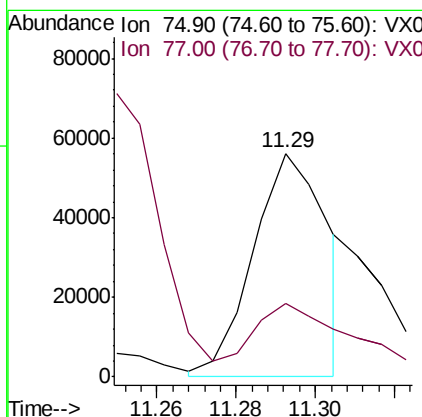
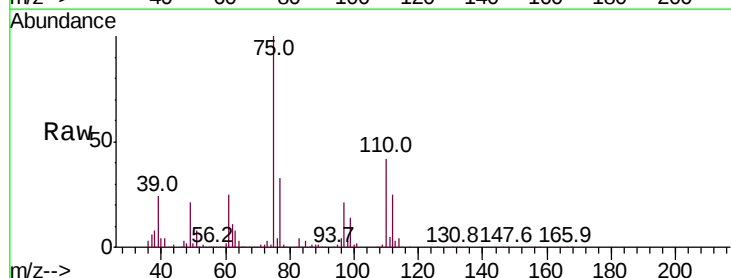
RT: 11.29 min Scan# 1663

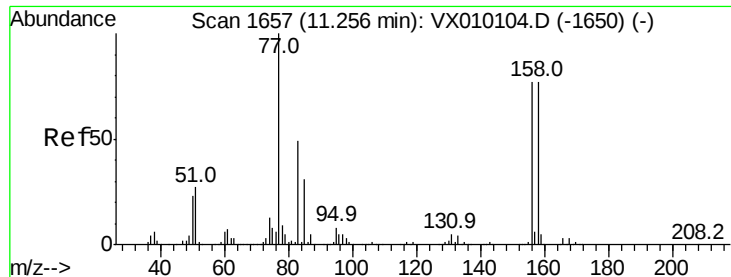
Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion:	75	Resp:	73291
Ion Ratio	Lower	Upper	
75	100		
77	44.4	22.1	66.1





#77

Bromobenzene

Concen: 18.783 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:156 Resp: 70893

Ion Ratio Lower Upper

156 100

77 131.4 86.8 260.3

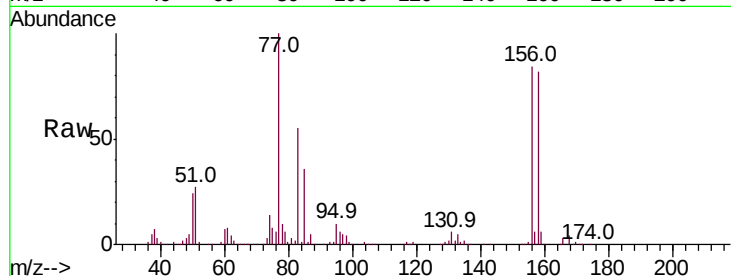
158 98.7 49.6 148.8

Manual Integrations

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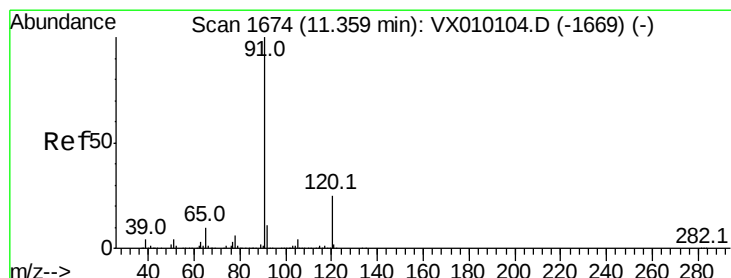
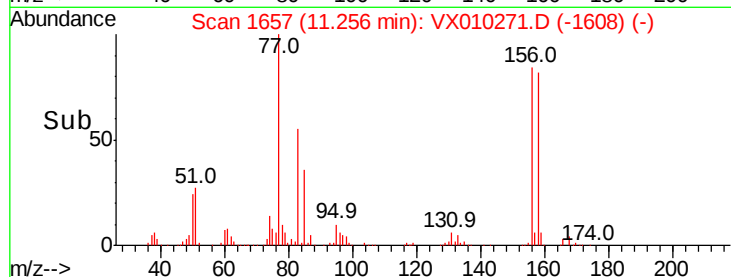
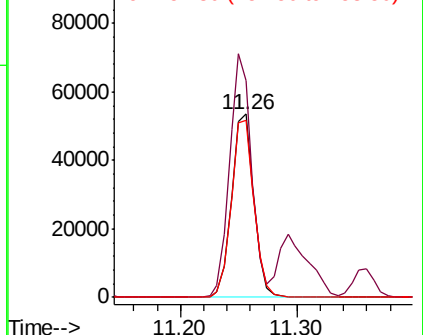
6/14/2019 9:17:29 AM



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: 18.464 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010271.D

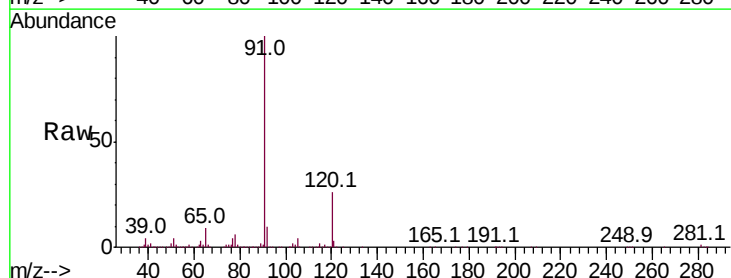
Acq: 13 Jun 2019 14:39

Tgt Ion: 91 Resp: 282134

Ion Ratio Lower Upper

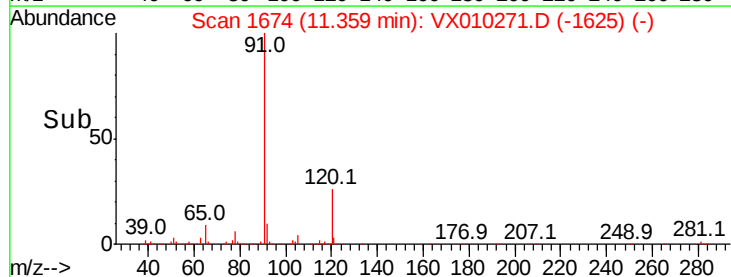
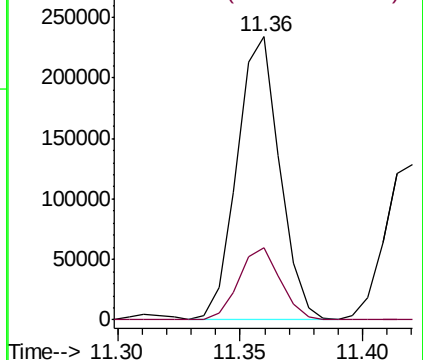
91 100

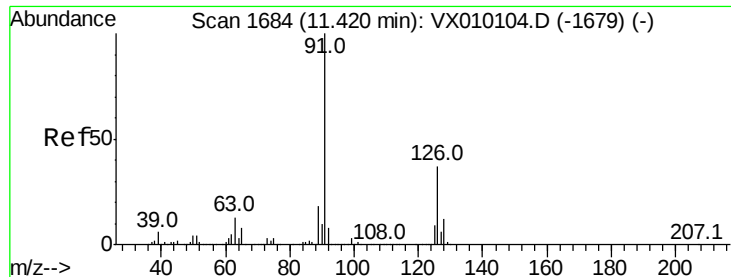
120 25.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.165 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion: 91 Resp: 166705

Ion Ratio Lower Upper

91 100

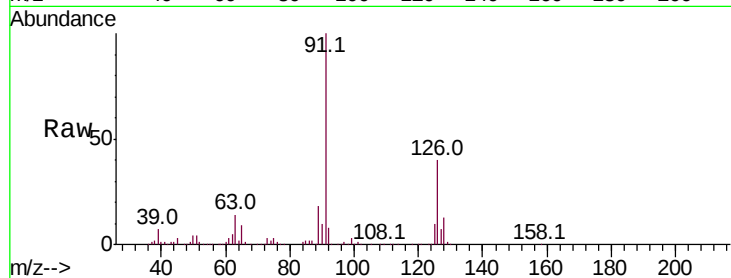
126 38.0 16.1 48.3

Manual Integrations

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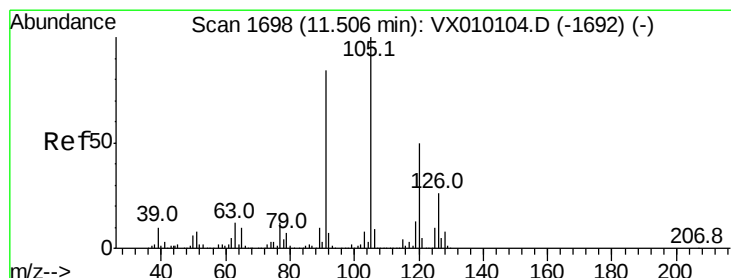
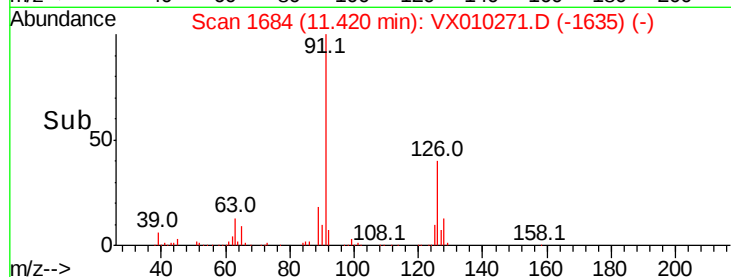
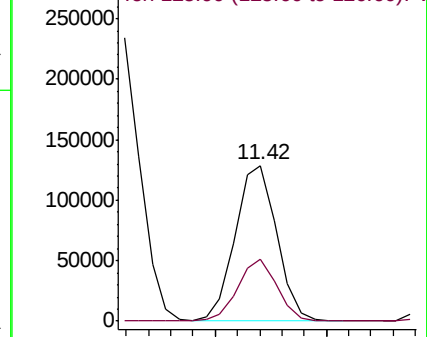
MMDadoda

6/14/2019 9:17:29 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.582 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010271.D

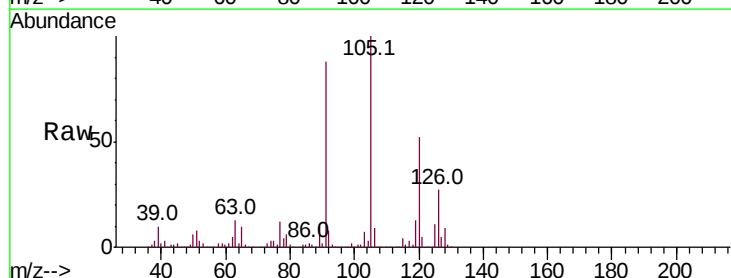
Acq: 13 Jun 2019 14:39

Tgt Ion:105 Resp: 214817

Ion Ratio Lower Upper

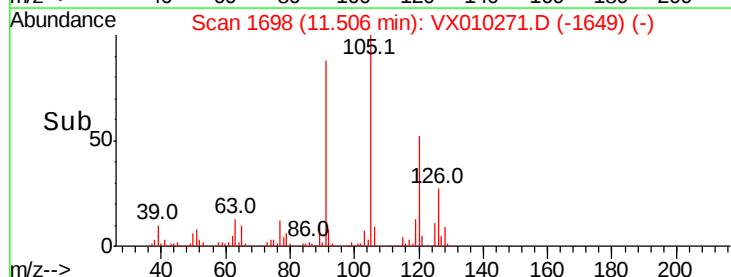
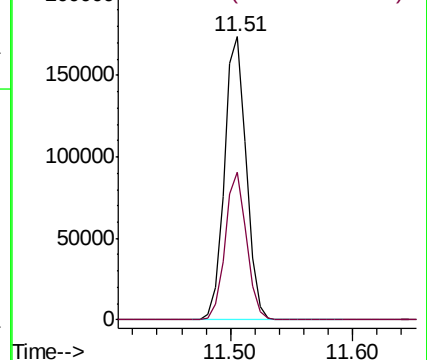
105 100

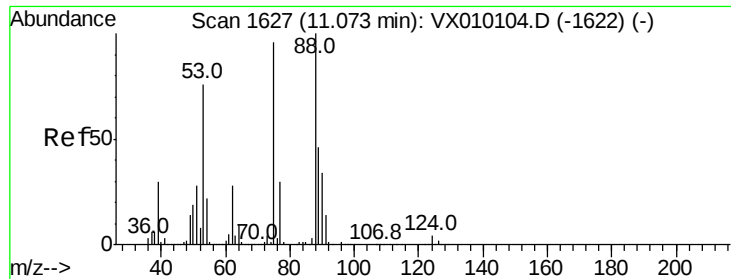
120 50.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





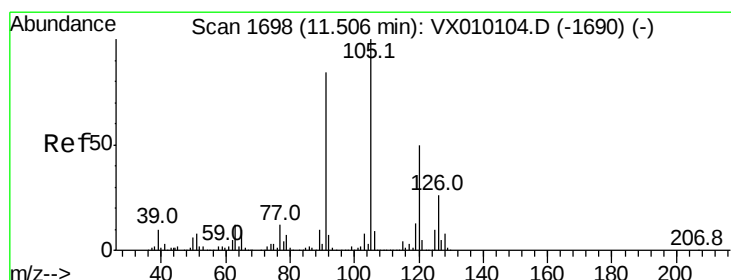
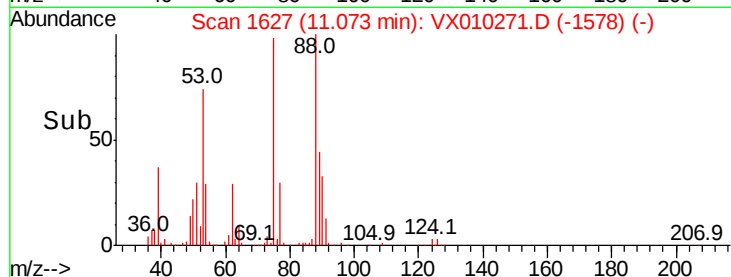
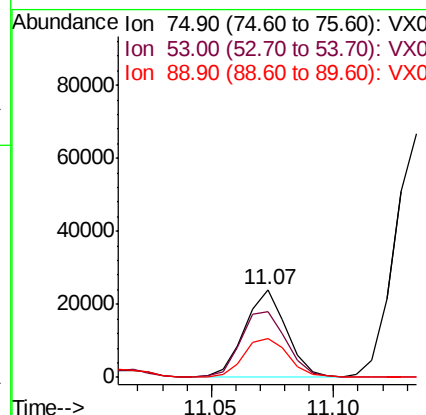
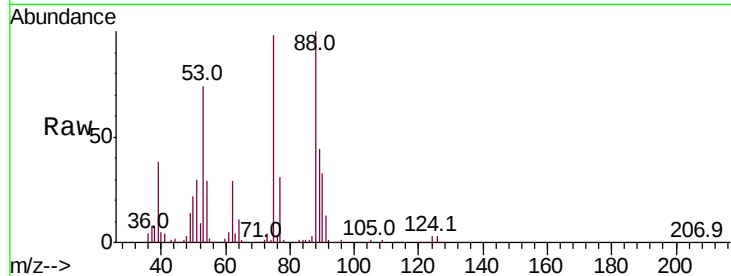
#81
trans-1,4-Dichloro-2-butene
Concen: 15.767 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	79.8	119.6
89	48.5	34.2	51.4

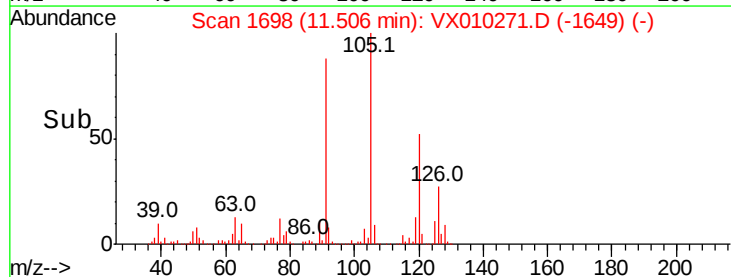
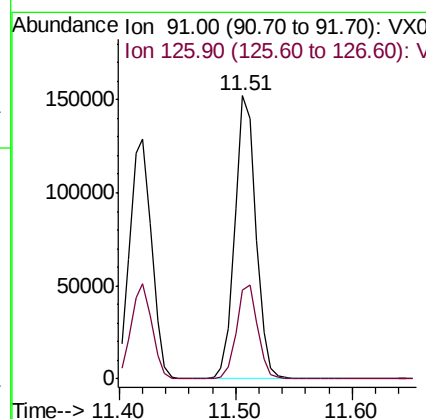
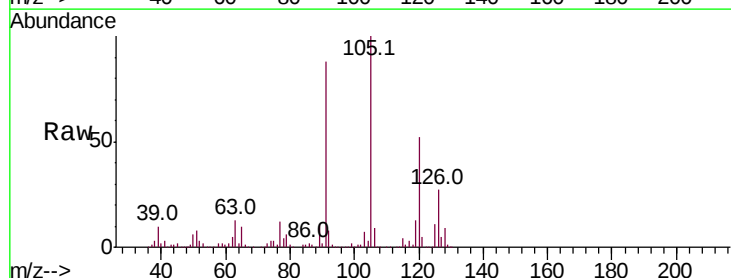
Manual Integrations
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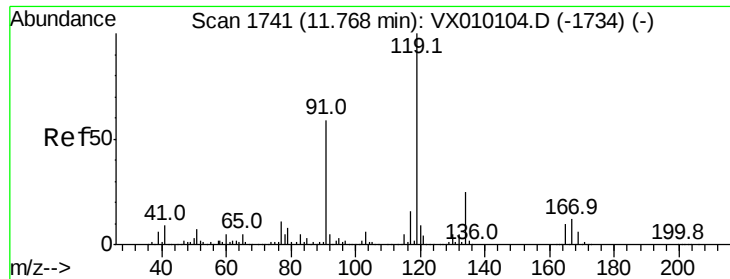
MMDadoda
6/14/2019 9:17:29 AM



#82
4-Chlorotoluene
Concen: 18.373 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	14.2	42.6





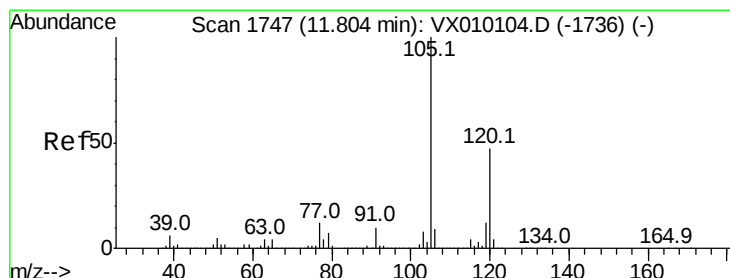
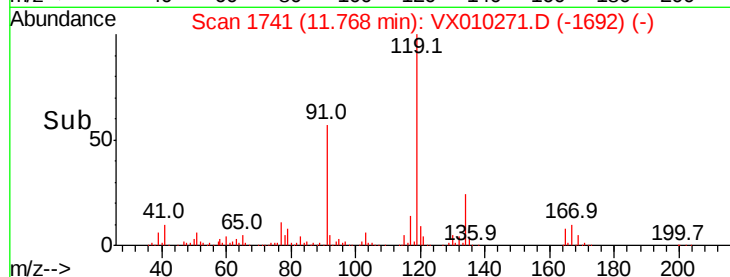
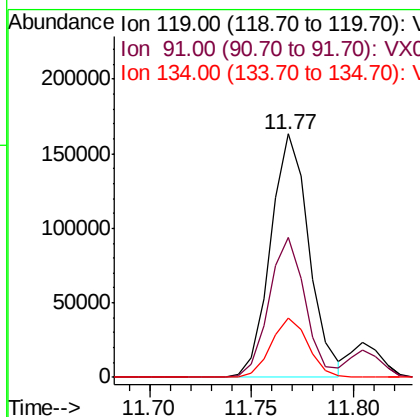
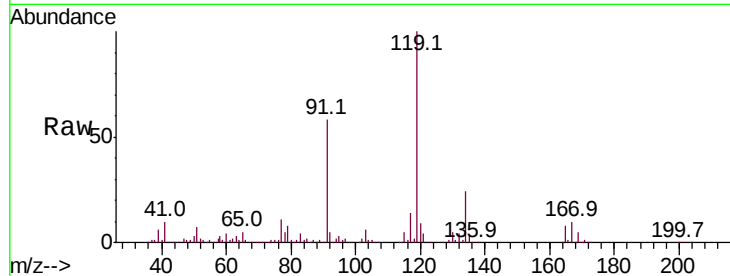
#83
tert-Butylbenzene
Concen: 18.339 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	214577		
91	54.8	30.0	90.0	
134	23.6	11.2	33.5	

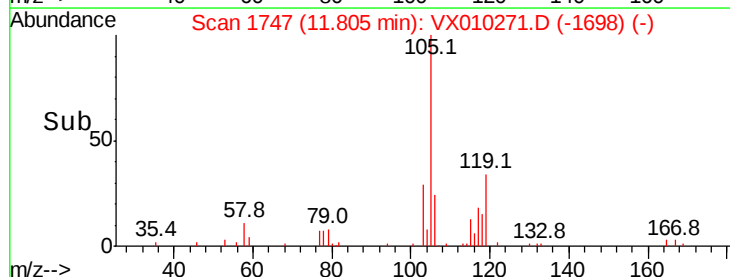
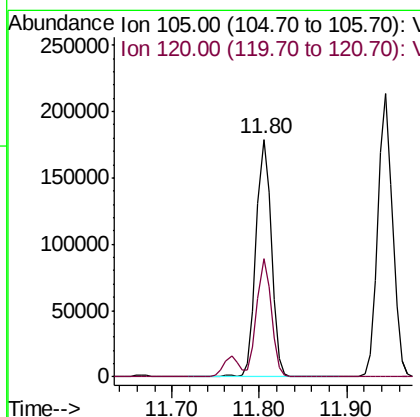
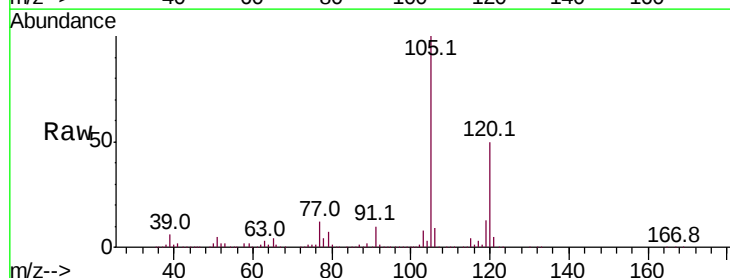
Manual Integrations
APPROVED

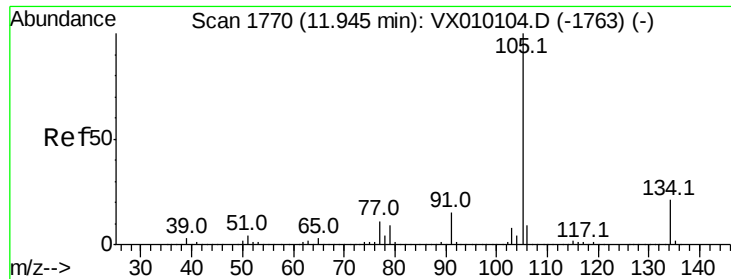
MMDadoda
6/14/2019 9:17:29 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.512 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216163		
120	47.6	22.1	66.1	





#85

sec-Butylbenzene

Concen: 18.414 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:105 Resp: 251015

Ion Ratio Lower Upper

105 100

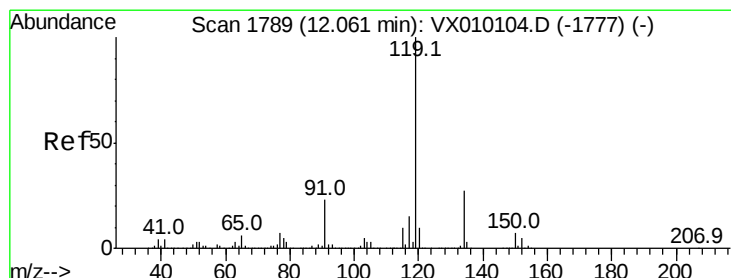
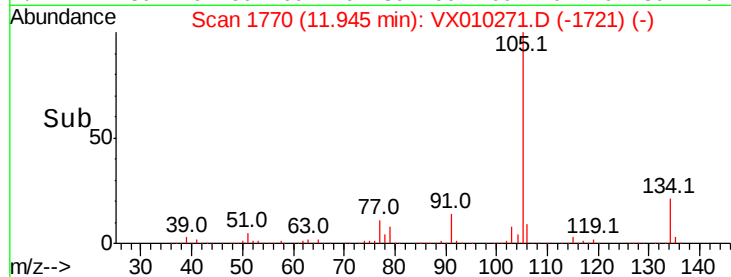
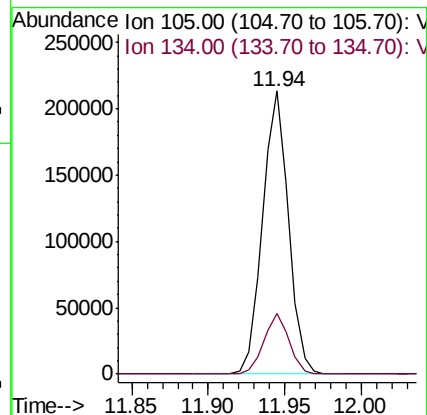
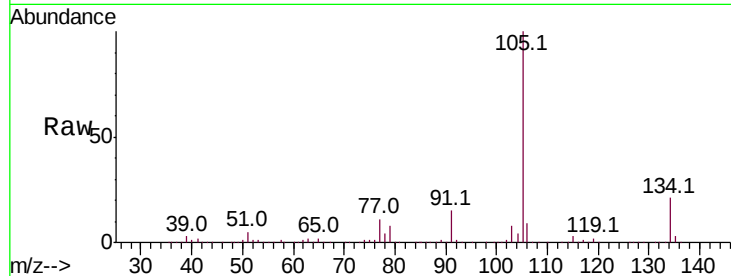
134 21.2 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.511 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

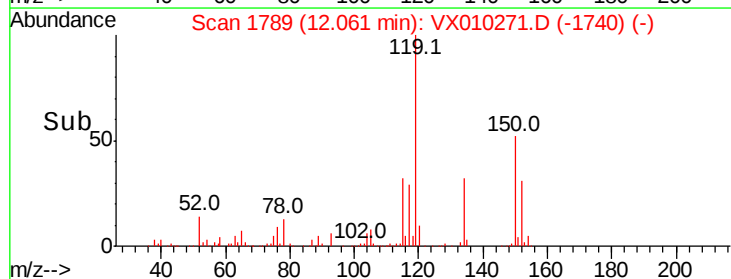
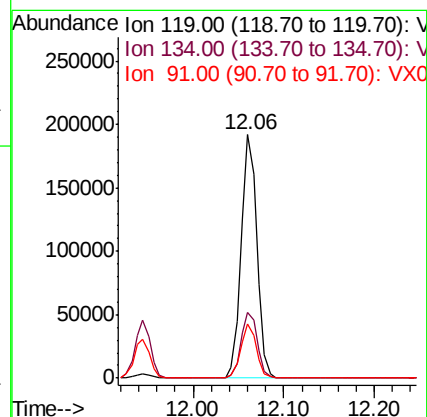
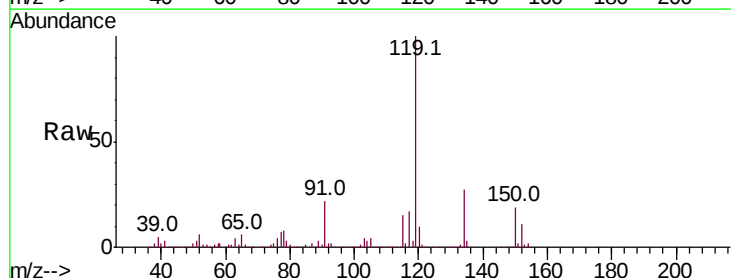
Tgt Ion:119 Resp: 230687

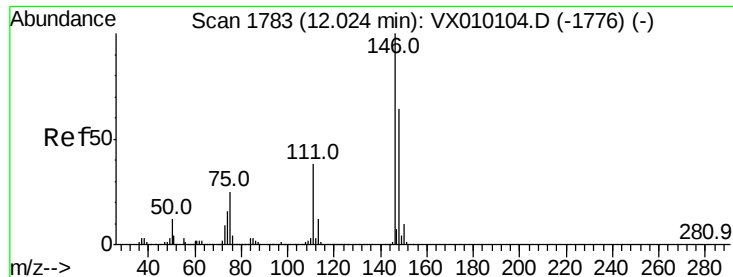
Ion Ratio Lower Upper

119 100

134 27.9 12.9 38.6

91 21.8 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 18.823 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

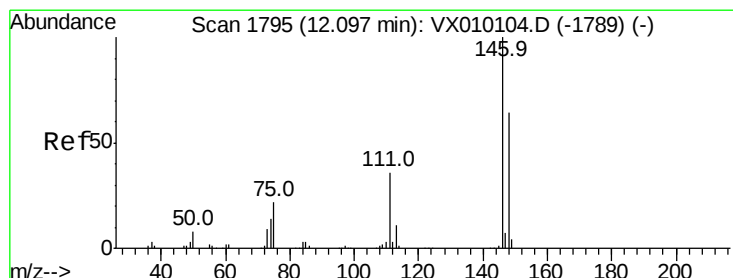
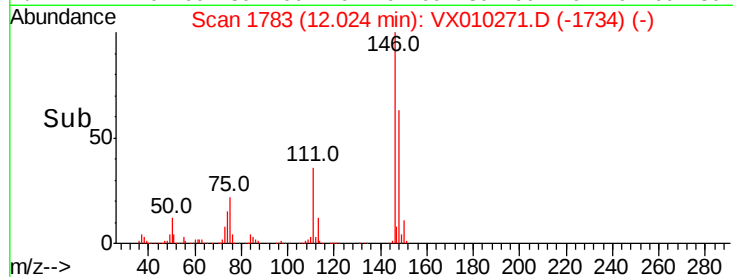
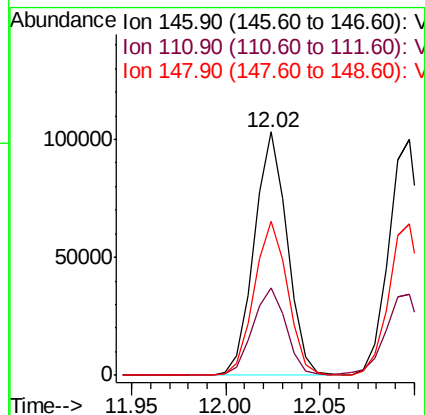
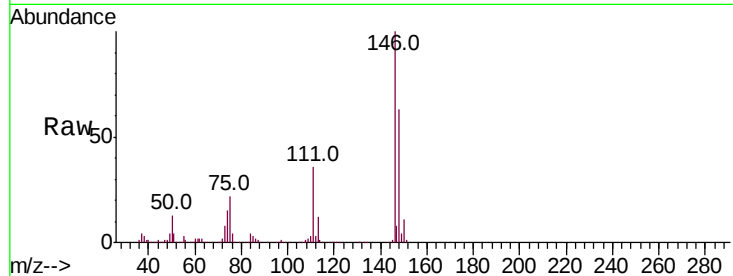
ClientSampled :

VX0613WBS01

Tot Ion:	146	Resp:	125139
Ion Ratio	Lower	Upper	
146	100		
111	36.2	20.1	60.2
148	64.0	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.630 ug/l

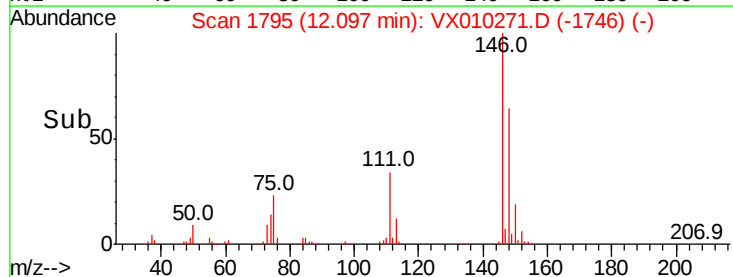
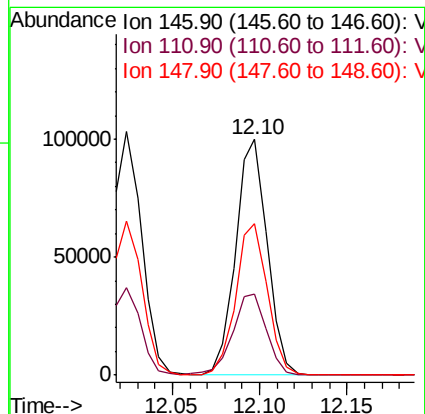
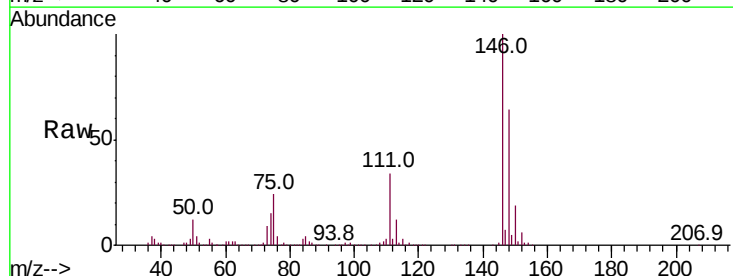
RT: 12.10 min Scan# 1795

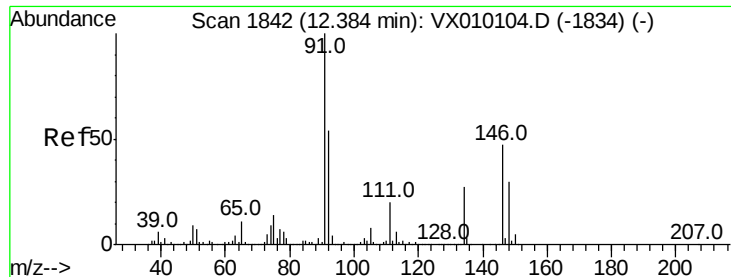
Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion:	146	Resp:	124853
Ion Ratio	Lower	Upper	
146	100		
111	37.3	20.0	59.9
148	64.5	32.3	96.9





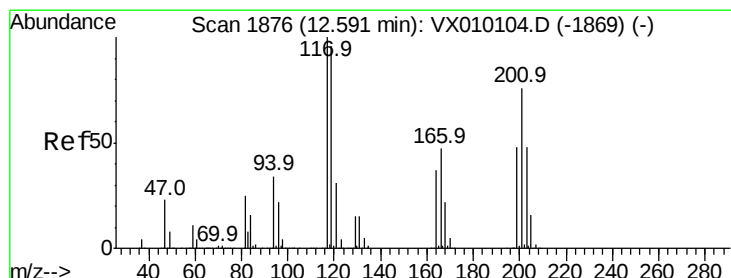
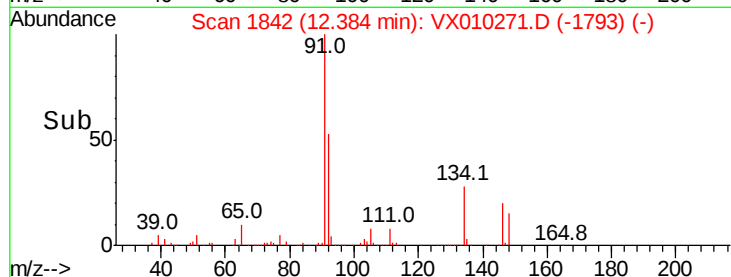
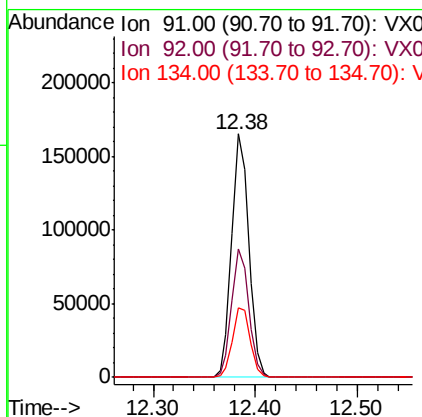
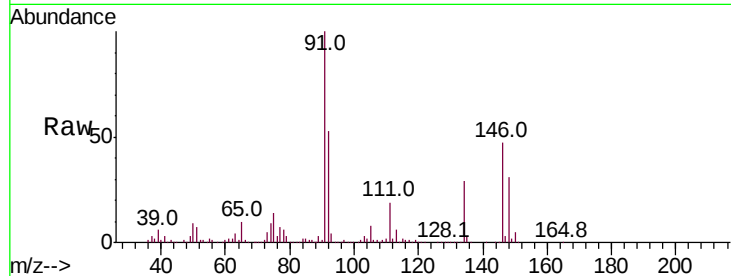
#89
n-Butylbenzene
Concen: 17.901 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Instrument :
MSVOA_X
ClientSampleId :
VX0613WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.8
134	29.1	12.3	36.8

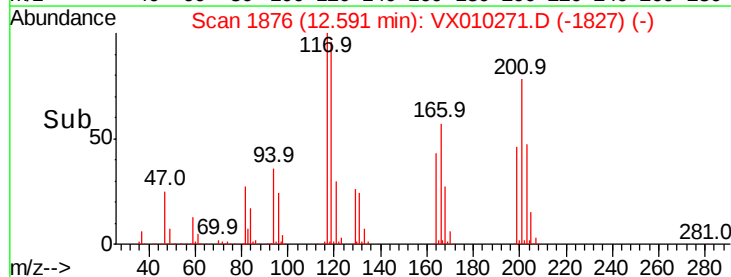
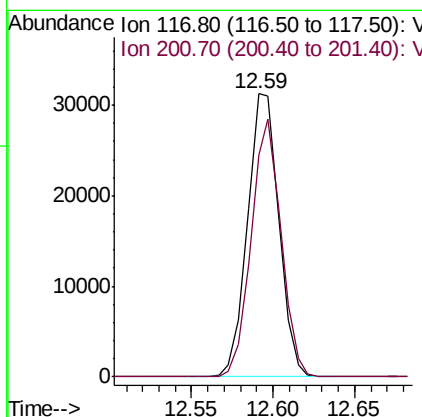
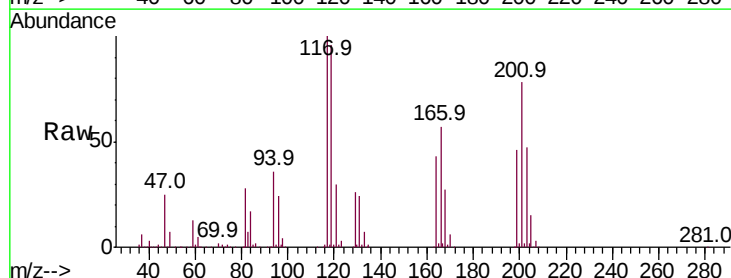
Manual Integrations
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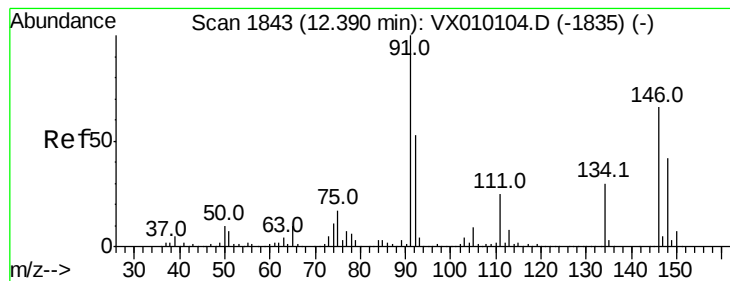
MMDadoda
6/14/2019 9:17:29 AM



#90
Hexachloroethane
Concen: 16.926 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010271.D
Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 19.650 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

VX0613WBS01

Tot Ion:146 Resp: 127004

Ion Ratio Lower Upper

146 100

111 37.8 21.1 63.1

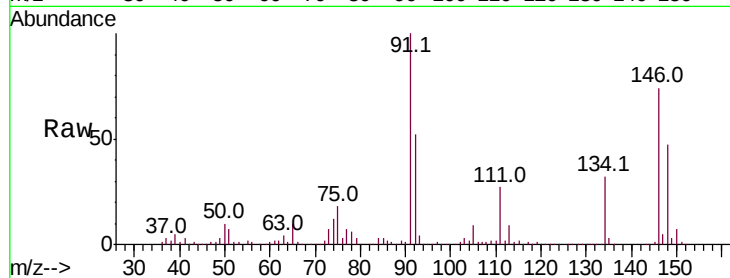
148 63.8 32.3 96.8

Manual Integrations

APPROVED

MMDadoda

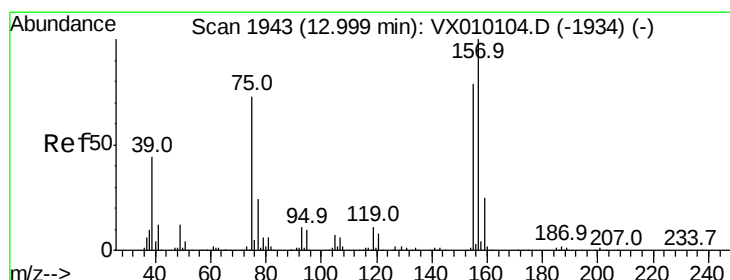
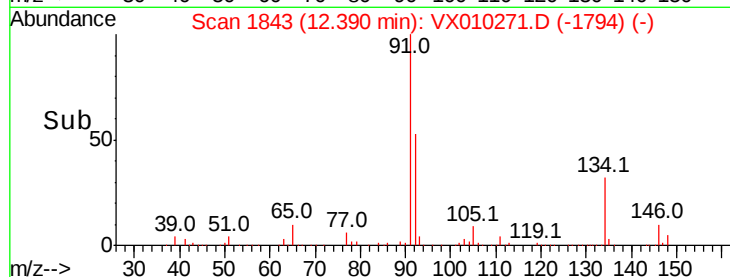
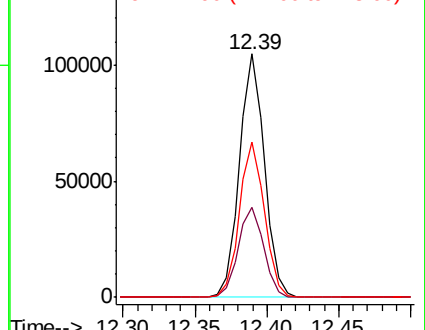
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.307 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

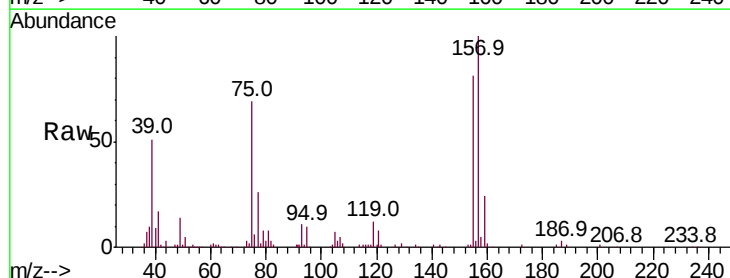
Tgt Ion: 75 Resp: 19134

Ion Ratio Lower Upper

75 100

155 106.9 39.3 117.8

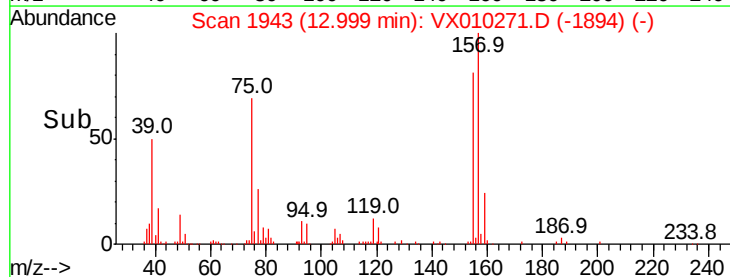
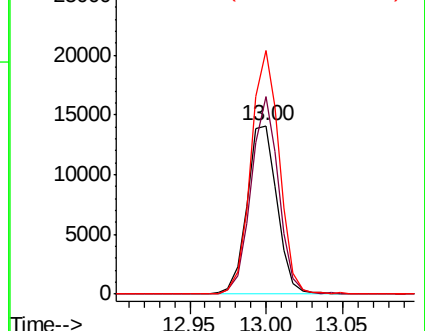
157 136.4 50.6 151.8

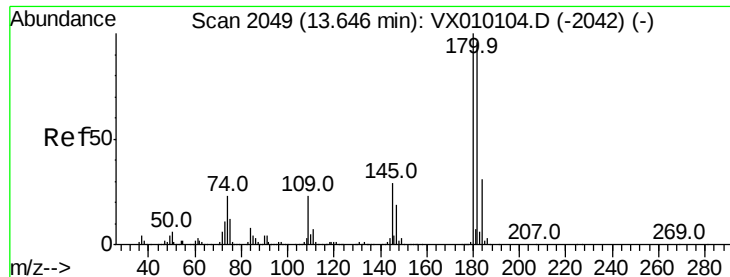


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





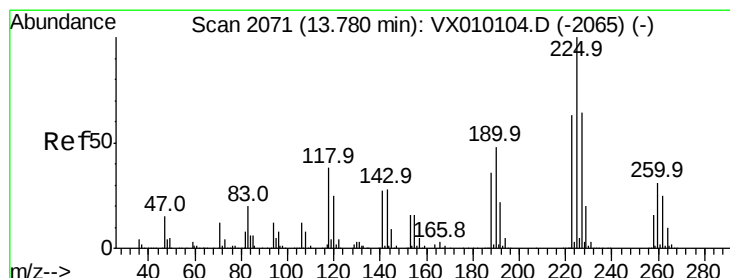
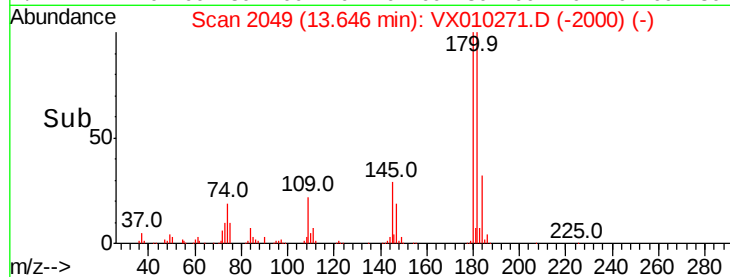
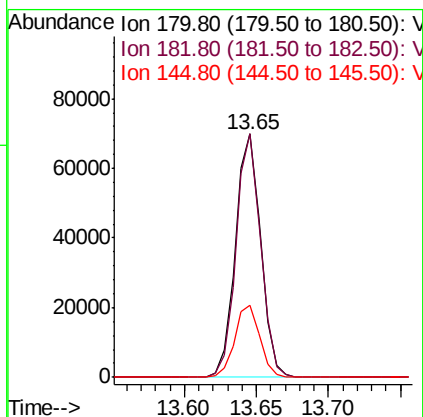
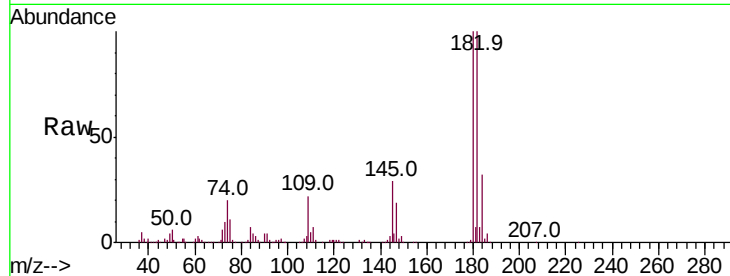
#93
 1,2,4-Trichlorobenzene
 Concen: 18.122 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.5	47.4	142.2	
145	29.4	14.5	43.5	

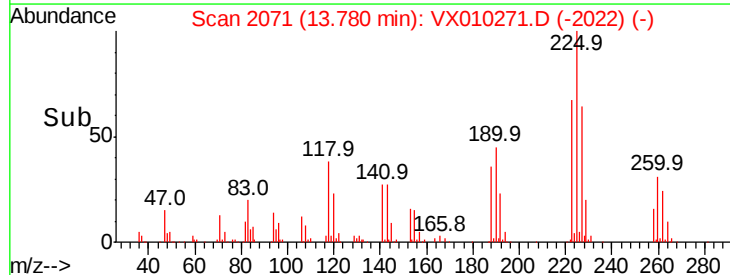
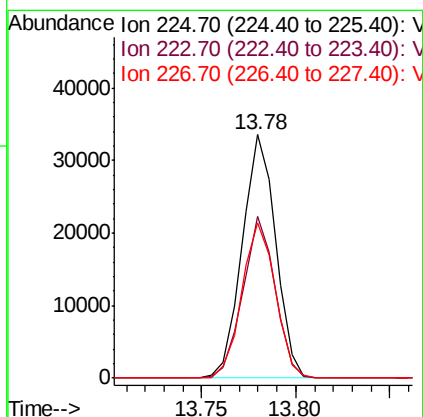
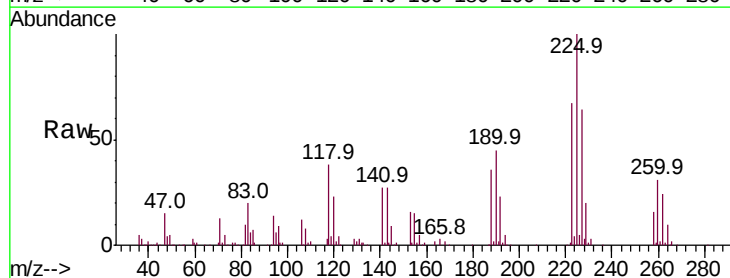
Manual Integrations
 APPROVED

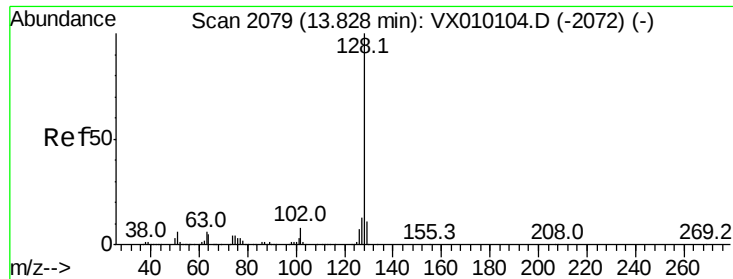
MMDadoda
 6/14/2019 9:17:29 AM



#94
 Hexachlorobutadiene
 Concen: 19.591 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010271.D
 Acq: 13 Jun 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	31.3	93.8	
227	64.1	32.3	96.8	





#95

Naphthalene

Concen: 18.689 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Instrument :

MSVOA_X

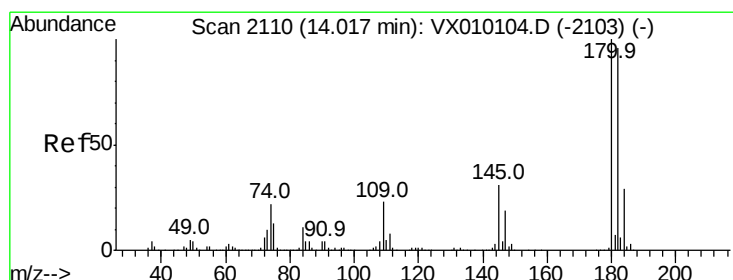
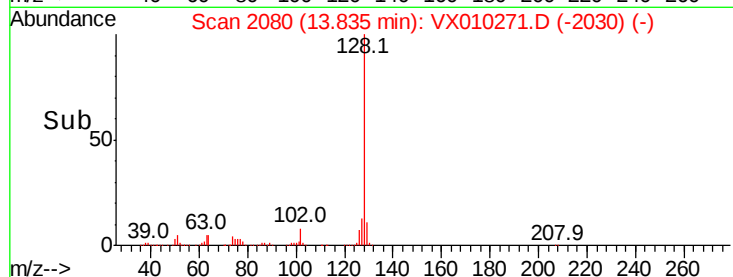
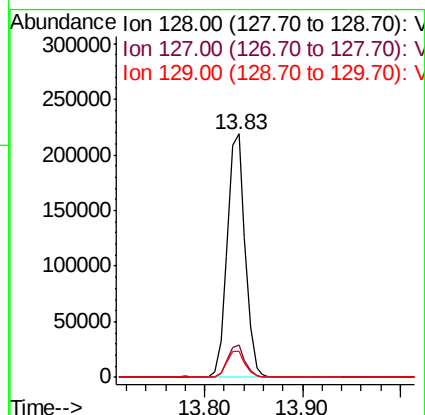
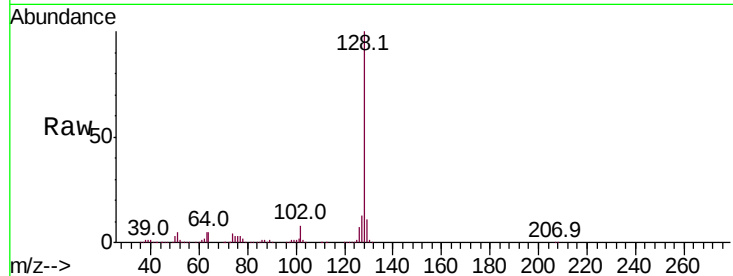
ClientSampleId :

VX0613WBS01

Tot Ion:	128	Resp:	278331
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/14/2019 9:17:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.890 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010271.D

Acq: 13 Jun 2019 14:39

Tgt Ion:	180	Resp:	88365
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	142.0
145	29.5	15.6	46.7

