

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010381.D
 Acq On : 21 Jun 2019 13:51
 Operator : JC/SP
 Sample : VX0621WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2019 11:23:08 AM

Quant Time: Jun 22 00:09:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	422688	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	377295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186194	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	133519	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	5.50	113	133018	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	8.71	98	501105	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.13	95	173355	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	36504	18.566	ug/l	98
3) Chloromethane	1.33	50	40065	17.500	ug/l	100
4) Vinyl Chloride	1.41	62	45415	18.111	ug/l	98
5) Bromomethane	1.64	94	26262	21.497	ug/l	97
6) Chloroethane	1.72	64	27010	18.257	ug/l	99
7) Trichlorofluoromethane	1.93	101	75797	19.068	ug/l	99
8) Diethyl Ether	2.19	74	28318	19.865	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47032	19.524	ug/l	100
10) Methyl Iodide	2.51	142	50415	14.664	ug/l	100
11) Tert butyl alcohol	3.04	59	64789	93.379	ug/l	100
12) 1,1-Dichloroethene	2.37	96	45863	18.710	ug/l	99
13) Acrolein	2.29	56	33431	72.634	ug/l	98
14) Allyl chloride	2.73	41	67063	19.270	ug/l	99
15) Acrylonitrile	3.14	53	134876	98.185	ug/l	100
16) Acetone	2.45	43	120159	90.421	ug/l	98
17) Carbon Disulfide	2.57	76	115893	17.622	ug/l	99
18) Methyl Acetate	2.78	43	51830	19.569	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	147777	19.163	ug/l	100
20) Methylene Chloride	2.86	84	53151	19.435	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	49237	18.676	ug/l	98
22) Diisopropyl ether	3.86	45	141762	19.483	ug/l	90
23) Vinyl Acetate	3.82	43	621042	98.801	ug/l	100
24) 1,1-Dichloroethane	3.70	63	81935	19.481	ug/l	99
25) 2-Butanone	4.67	43	186377	95.612	ug/l	100
26) 2,2-Dichloropropane	4.58	77	66622	18.235	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	58922	19.341	ug/l	99
28) Bromochloromethane	5.02	49	36395	18.099	ug/l	97
29) Tetrahydrofuran	5.13	42	119099	98.640	ug/l	99
30) Chloroform	5.21	83	85277	18.845	ug/l	96
31) Cyclohexane	5.58	56	73584	19.212	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	78329	19.603	ug/l	99
36) 1,1-Dichloropropene	5.81	75	62562	18.626	ug/l	99
37) Ethyl Acetate	4.84	43	69014	19.972	ug/l	100
38) Carbon Tetrachloride	5.79	117	69497	19.107	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82441	18.672	ug/l	99
40) Benzene	6.15	78	203603	19.456	ug/l	100
41) Methacrylonitrile	5.04	41	34998	18.459	ug/l	94
42) 1,2-Dichloroethane	6.20	62	63887	20.056	ug/l	100
43) Isopropyl Acetate	6.45	43	111139	19.440	ug/l	99
44) Trichloroethene	7.21	130	59212	18.910	ug/l	99
45) 1,2-Dichloropropane	7.51	63	51053	19.319	ug/l	98
46) Dibromomethane	7.66	93	35985	18.979	ug/l	99
47) Bromodichloromethane	7.90	83	65175	18.757	ug/l	97
48) Methyl methacrylate	7.77	41	51929	19.541	ug/l	99
49) 1,4-Dioxane	7.74	88	29208	381.543	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	359654	98.362	ug/l	99
52) Toluene	8.79	92	130787	18.979	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	70652	18.136	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	79404	18.757	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	54886	19.312	ug/l	99
56) Ethyl methacrylate	9.18	69	81480	18.925	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84862	19.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	189319	92.587	ug/l	100
59) 2-Hexanone	9.49	43	272532	94.703	ug/l	100
60) Dibromochloromethane	9.58	129	57972	18.217	ug/l	99
61) 1,2-Dibromoethane	9.67	107	57971	18.897	ug/l	98
64) Tetrachloroethene	9.34	164	60081	19.688	ug/l	94
65) Chlorobenzene	10.14	112	146064	19.069	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	54952	19.695	ug/l	98
67) Ethyl Benzene	10.25	91	247760	19.160	ug/l	98
68) m/p-Xylenes	10.36	106	191219	38.163	ug/l	99
69) o-Xylene	10.69	106	93546	18.985	ug/l	99
70) Styrene	10.71	104	155624	18.833	ug/l	100
71) Bromoform	10.85	173	44288	18.253	ug/l	96
73) Isopropylbenzene	11.02	105	247335	19.596	ug/l	100
74) N-amyl acetate	10.90	43	95019	19.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	85078	20.354	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	67621m	19.930	ug/l	
77) Bromobenzene	11.26	156	68103	19.324	ug/l	99
78) n-propylbenzene	11.36	91	272022	19.610	ug/l	99
79) 2-Chlorotoluene	11.42	91	161122	19.506	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	205727	19.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26271	18.063	ug/l	96
82) 4-Chlorotoluene	11.51	91	180963	19.253	ug/l	98
83) tert-Butylbenzene	11.77	119	203953	19.529	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	204999	19.610	ug/l	100
85) sec-Butylbenzene	11.94	105	238497	19.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	218374	19.254	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	117478	19.096	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	115556	18.451	ug/l	99
89) n-Butylbenzene	12.38	91	182451	18.931	ug/l	100
90) Hexachloroethane	12.59	117	37101	18.918	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	117118	19.155	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17147	19.026	ug/l	95

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ClientSampleId :
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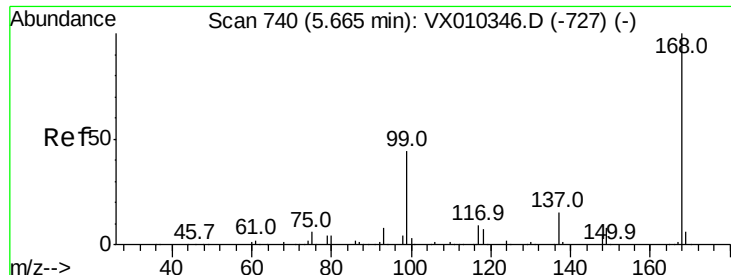
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	80702	19.033	ug/l	98
94) Hexachlorobutadiene	13.78	225	39513	19.067	ug/l	99
95) Naphthalene	13.83	128	252795	19.401	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	79332	18.818	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion:168 Resp: 282803

Ion Ratio Lower Upper

168 100

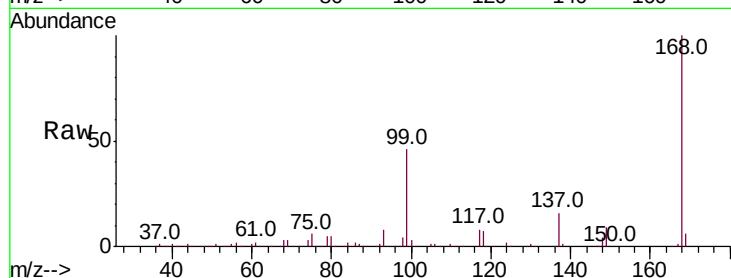
99 45.9 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

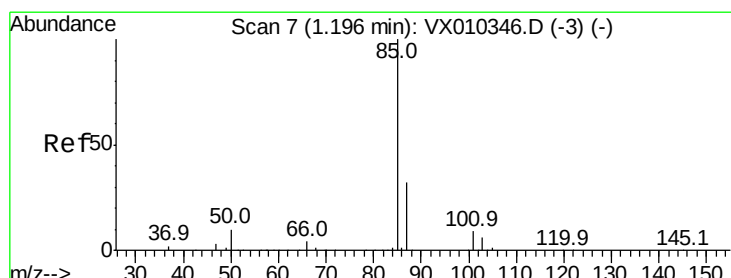
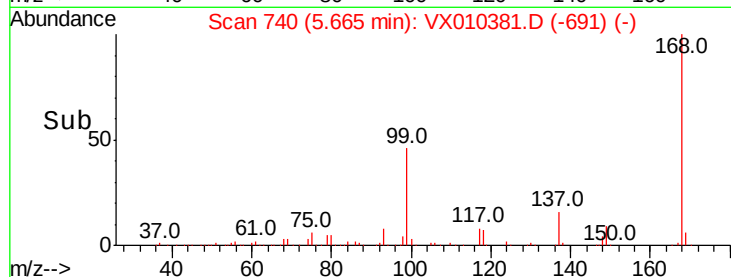
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.566 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010381.D

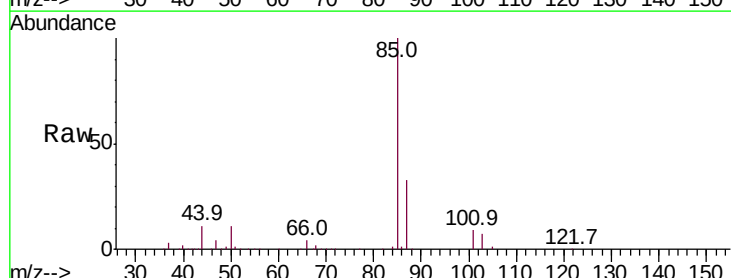
Acq: 21 Jun 2019 13:51

Tgt Ion: 85 Resp: 36504

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

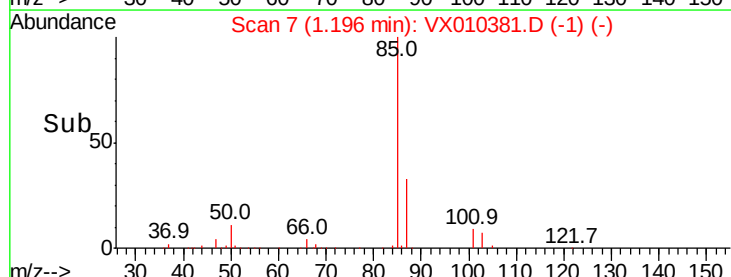
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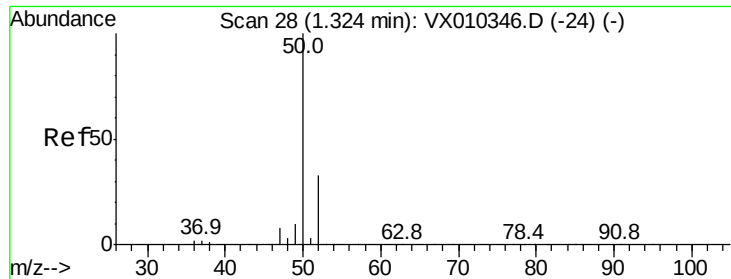
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.500 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 50 Resp: 40065

Ion Ratio Lower Upper

50 100

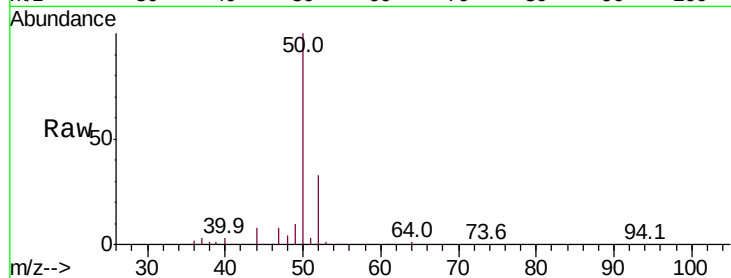
52 33.4 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

40000

30000

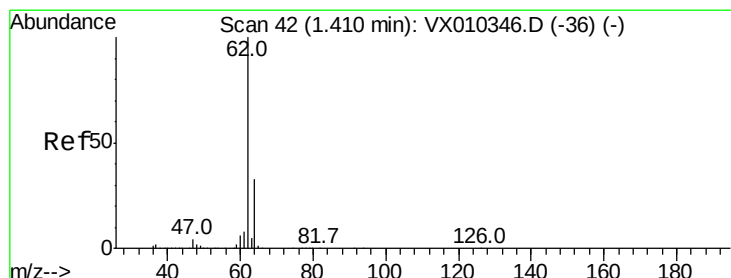
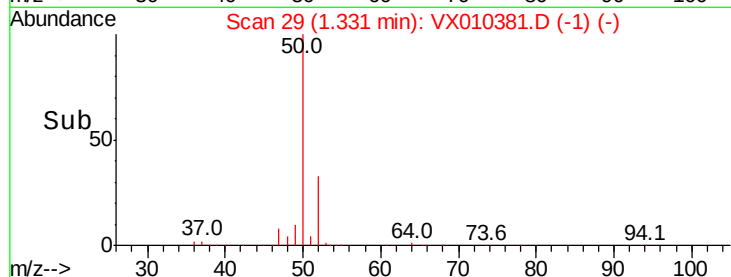
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 18.111 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010381.D

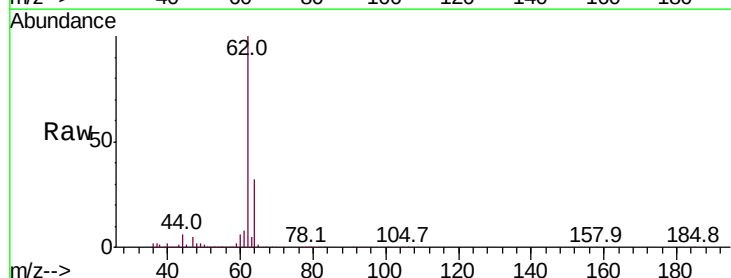
Acq: 21 Jun 2019 13:51

Tgt Ion: 62 Resp: 45415

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

50000

40000

30000

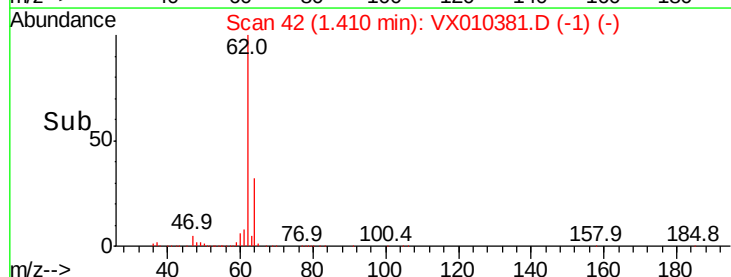
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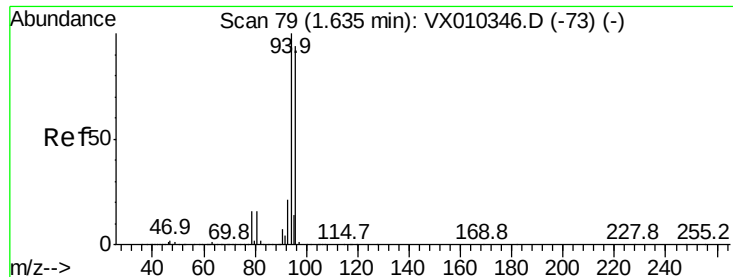
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0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 21.497 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 94 Resp: 26262

Ion Ratio Lower Upper

94 100

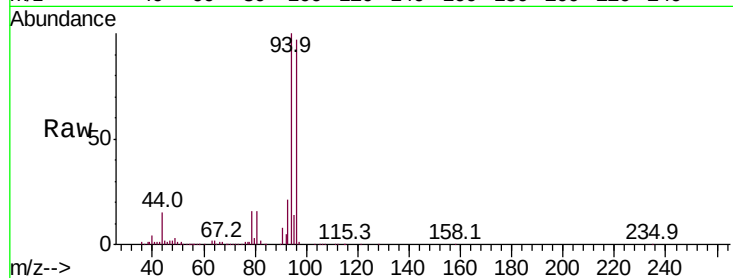
96 97.1 75.5 113.3

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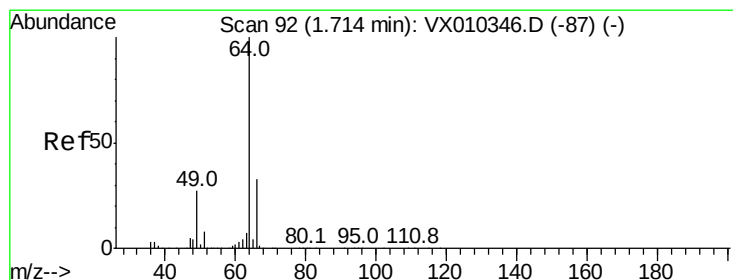
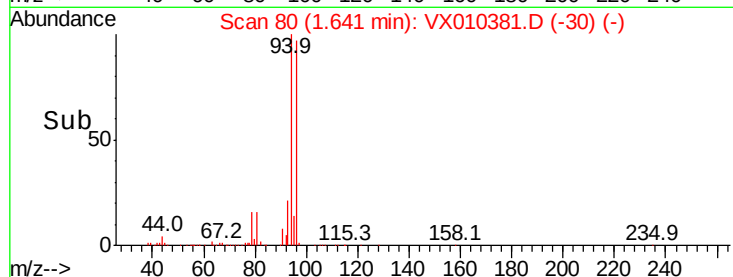
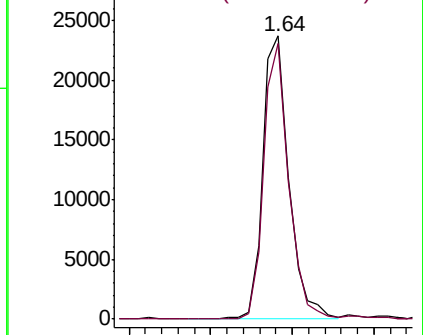
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.257 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010381.D

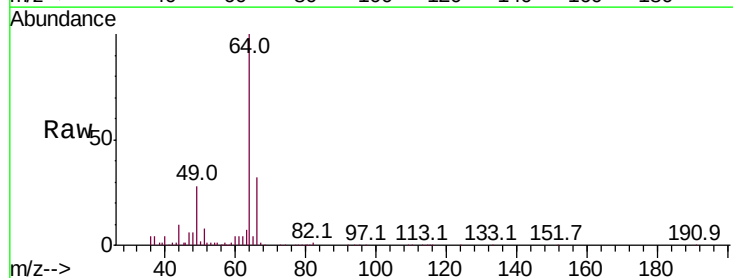
Acq: 21 Jun 2019 13:51

Tgt Ion: 64 Resp: 27010

Ion Ratio Lower Upper

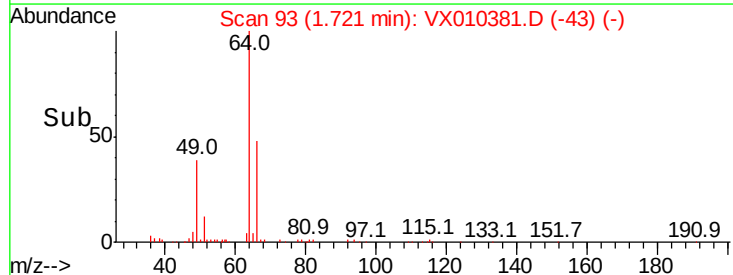
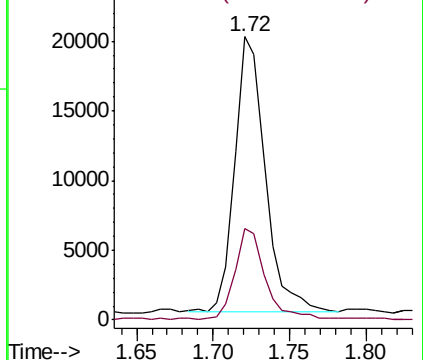
64 100

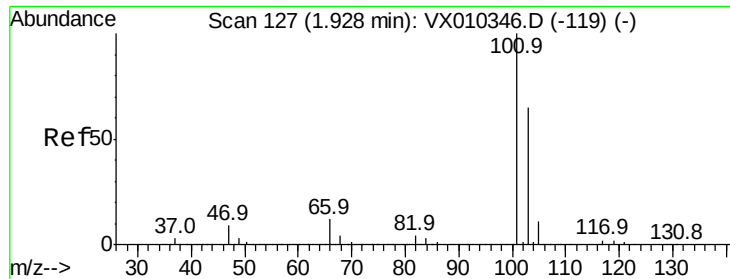
66 32.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

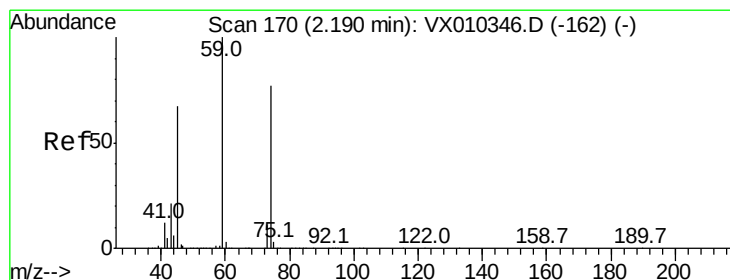
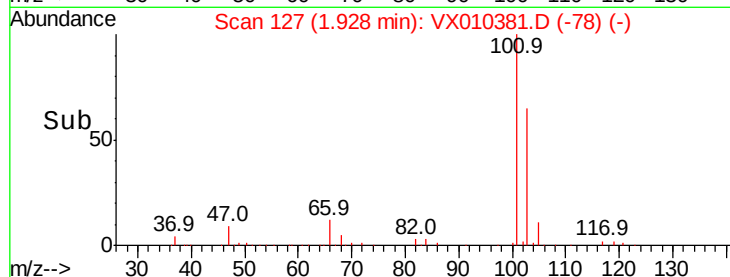
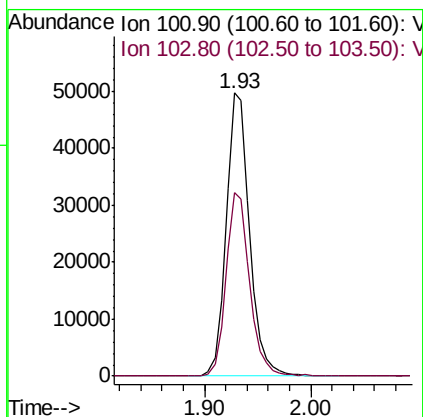
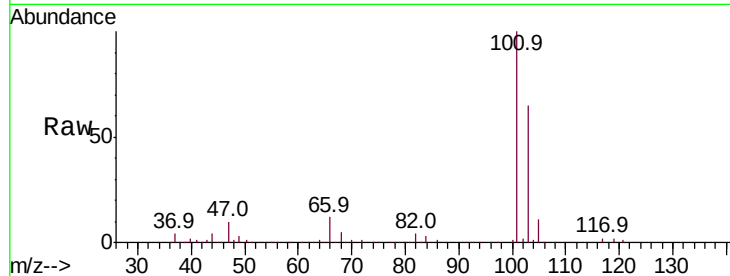
Trichlorofluoromethane
Concen: 19.068 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

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Tot Ion:101 Resp: 75797
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

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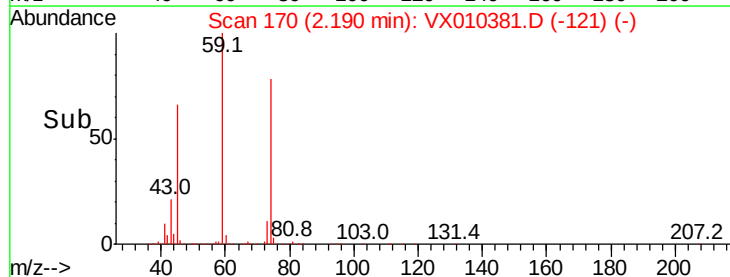
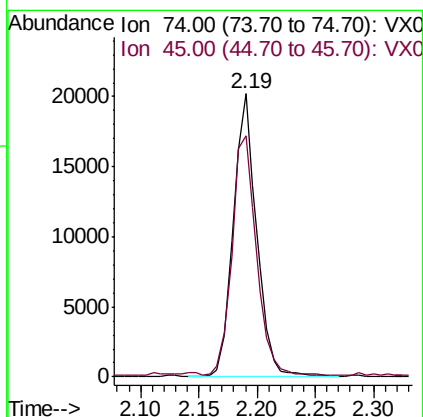
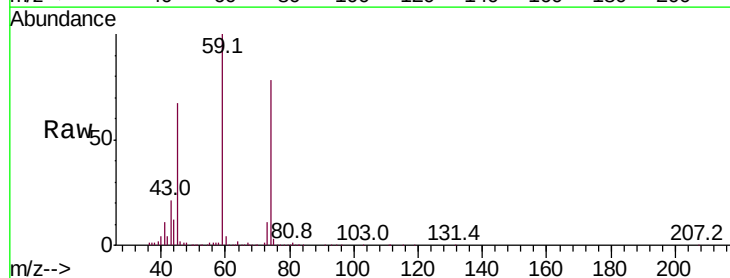
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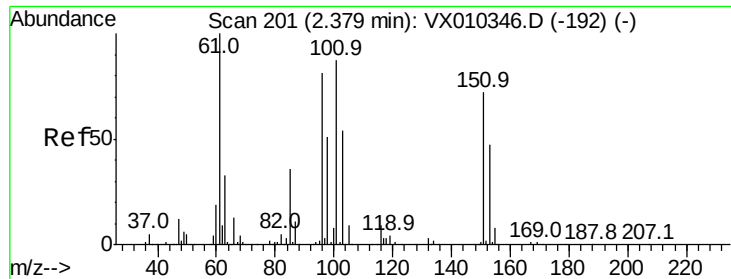


#8

Diethyl Ether
Concen: 19.865 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion: 74 Resp: 28318
Ion Ratio Lower Upper
74 100
45 88.4 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.524 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion:101 Resp: 47032

Ion Ratio Lower Upper

101 100

85 41.2 33.7 50.5

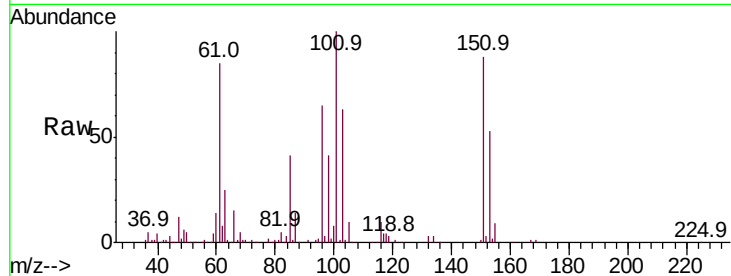
151 87.6 70.1 105.1

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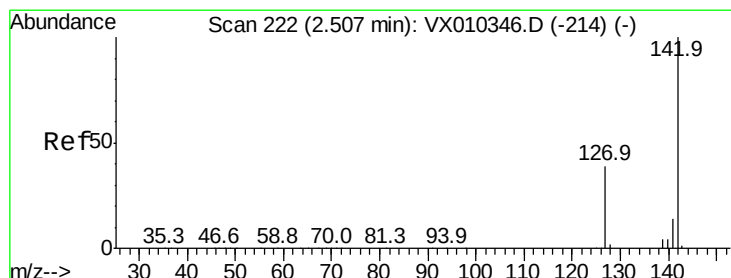
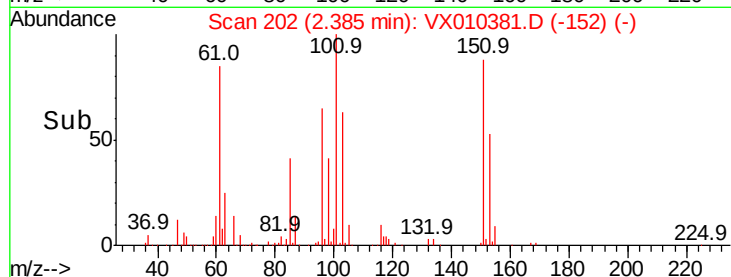
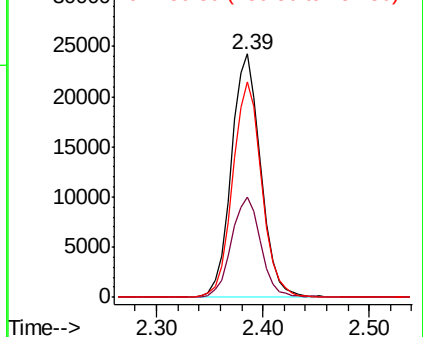
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.664 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

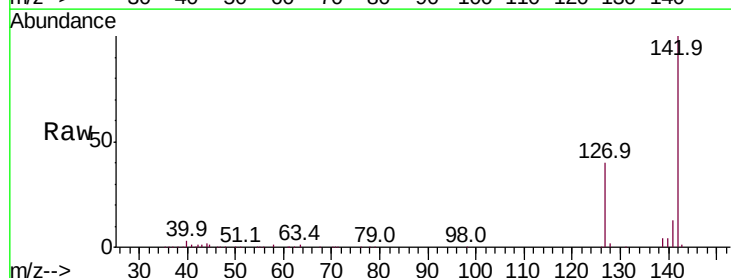
Tgt Ion:142 Resp: 50415

Ion Ratio Lower Upper

142 100

127 38.9 31.1 46.7

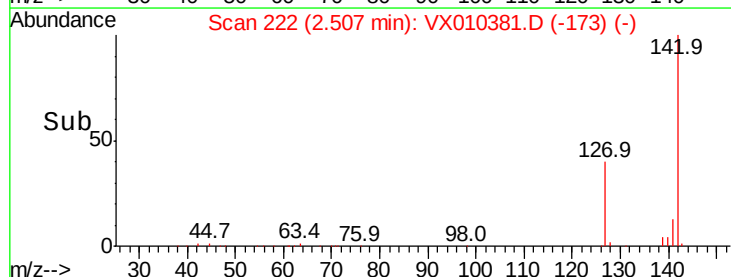
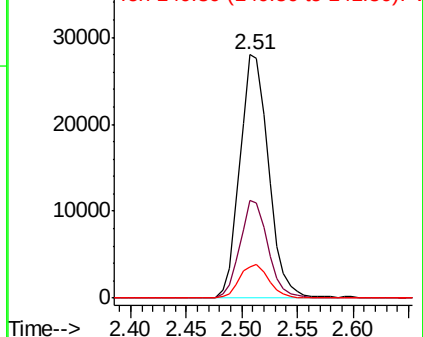
141 14.0 11.2 16.8

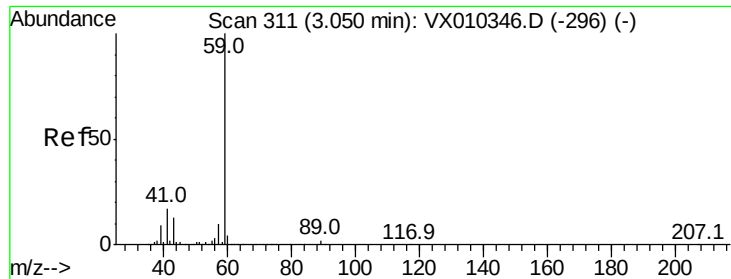


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

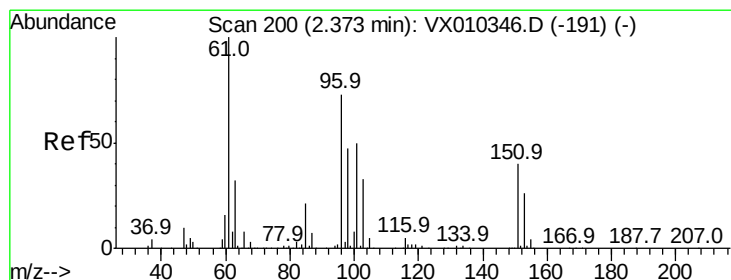
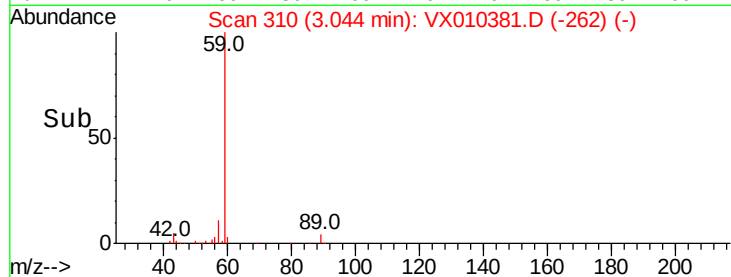
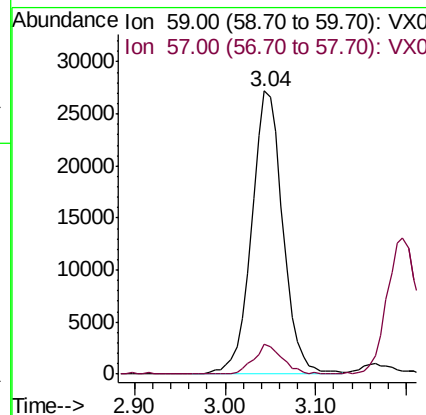
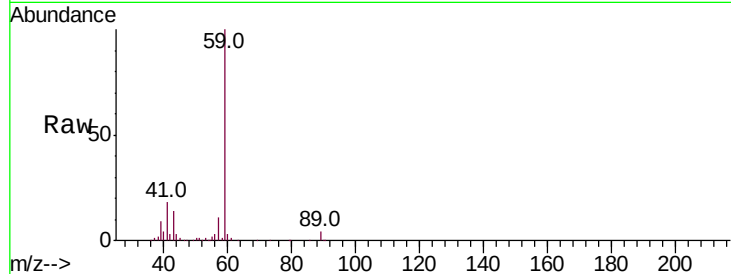
Tert butyl alcohol
Concen: 93.379 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion: 59 Resp: 64789
Ion Ratio Lower Upper
59 100
57 9.7 7.7 11.5

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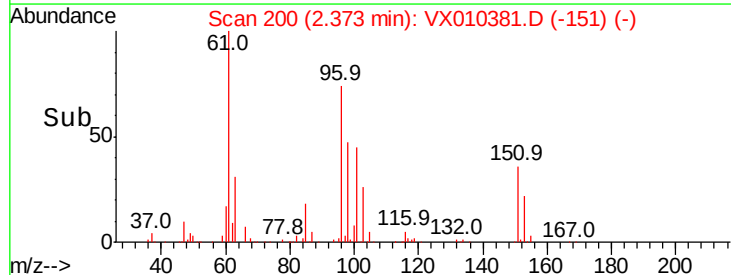
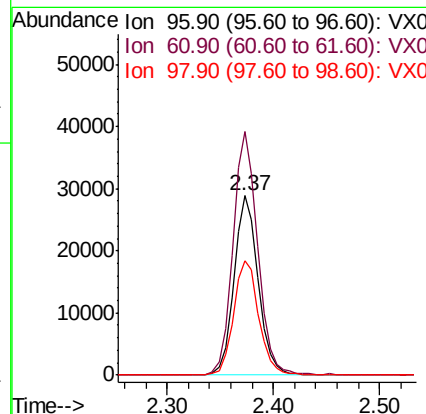
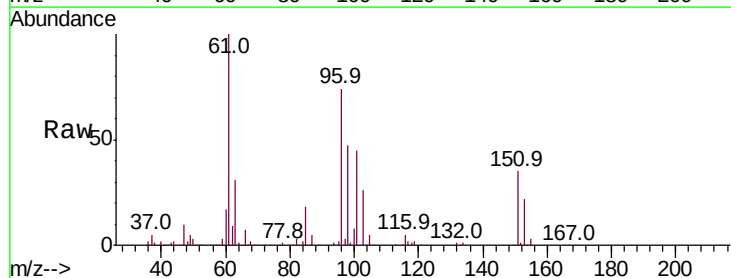
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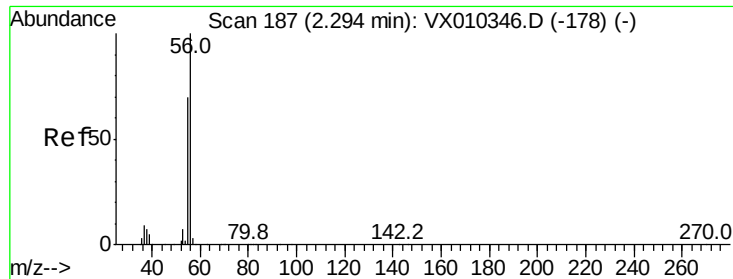


#12

1,1-Dichloroethene
Concen: 18.710 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion: 96 Resp: 45863
Ion Ratio Lower Upper
96 100
61 135.8 109.2 163.8
98 63.6 51.1 76.7





#13

Acrolein

Concen: 72.634 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 56 Resp: 33431

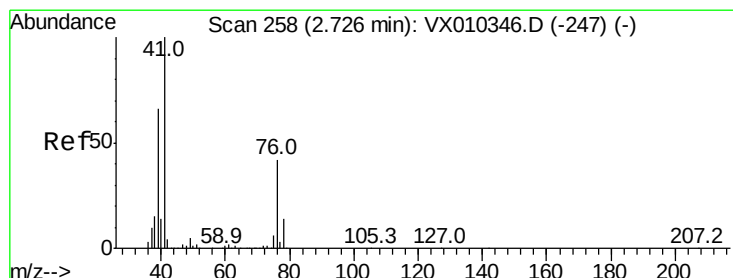
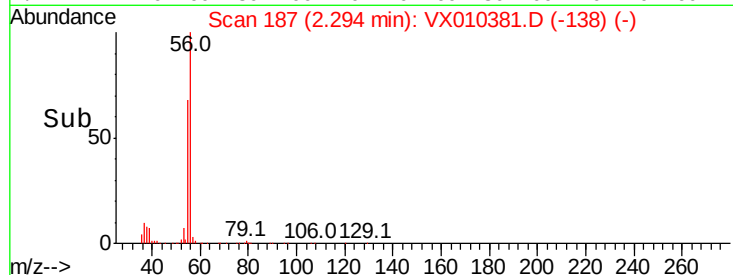
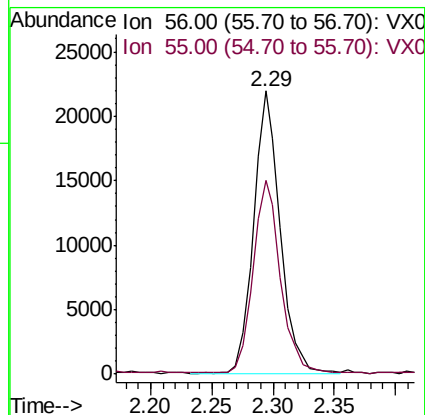
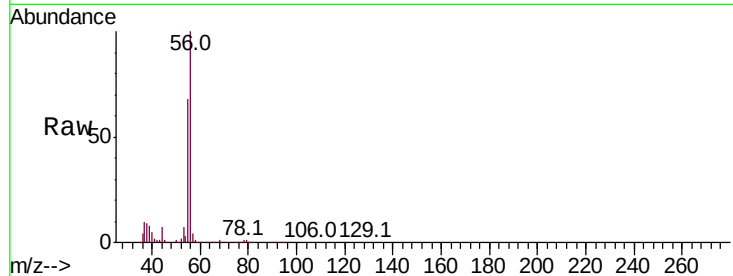
Ion Ratio Lower Upper

56 100

55 69.5 56.9 85.3

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#14

Allyl chloride

Concen: 19.270 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

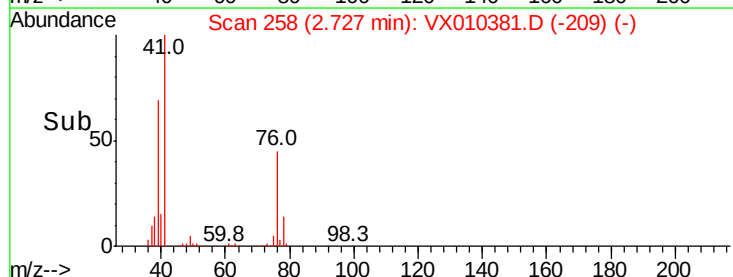
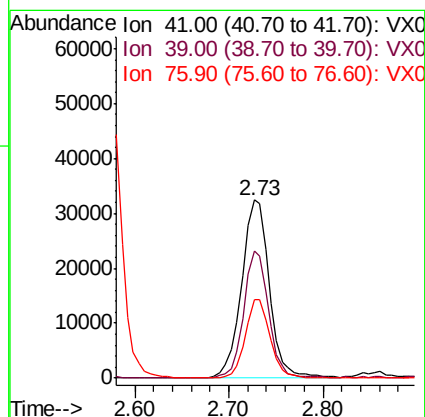
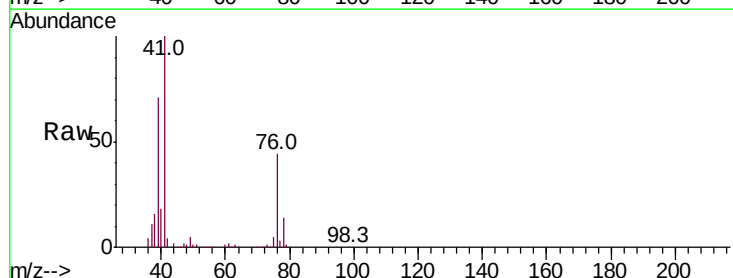
Tgt Ion: 41 Resp: 67063

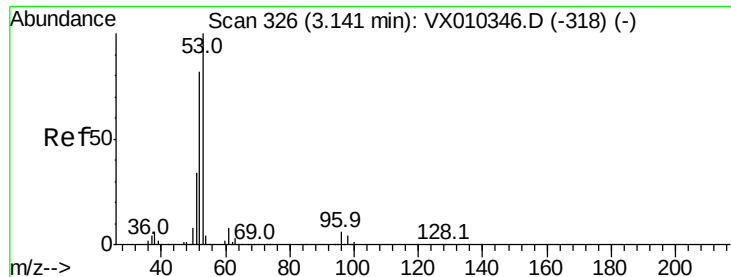
Ion Ratio Lower Upper

41 100

39 64.2 50.3 75.5

76 38.7 31.3 46.9





#15

Acrylonitrile

Concen: 98.185 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

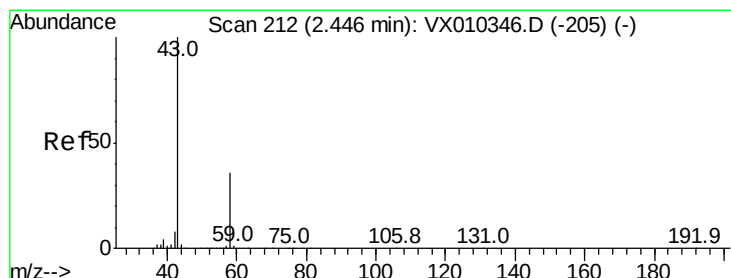
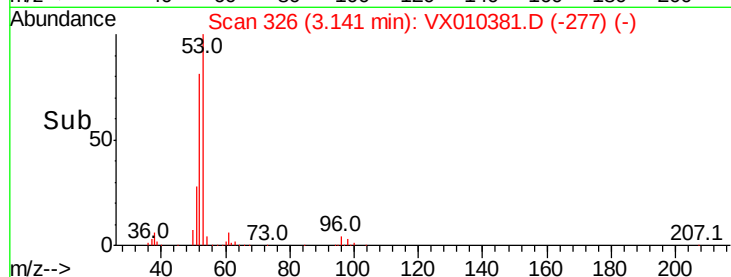
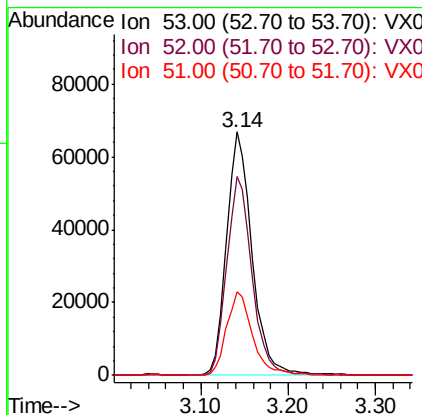
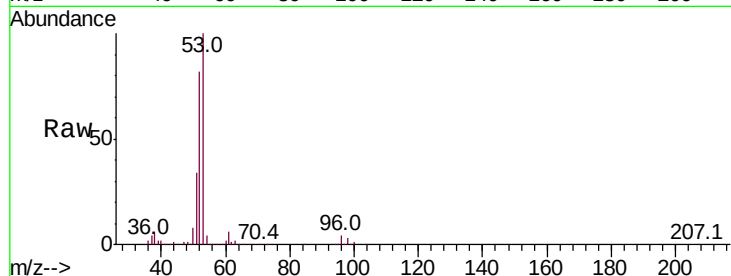
ClientSampleId :

VX0621WBSD01

Tot Ion:	53	Resp:	134876
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.5	98.3
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 90.421 ug/l

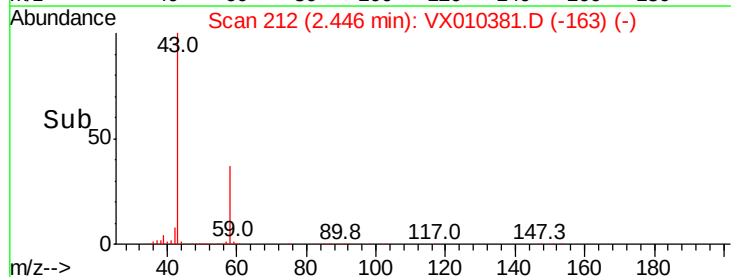
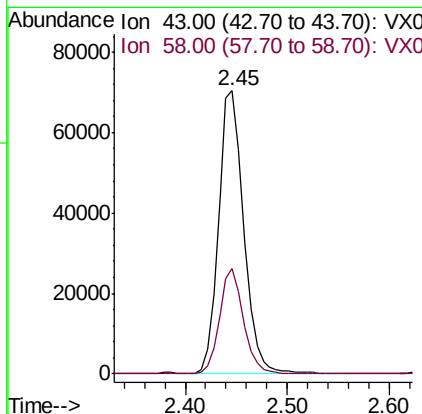
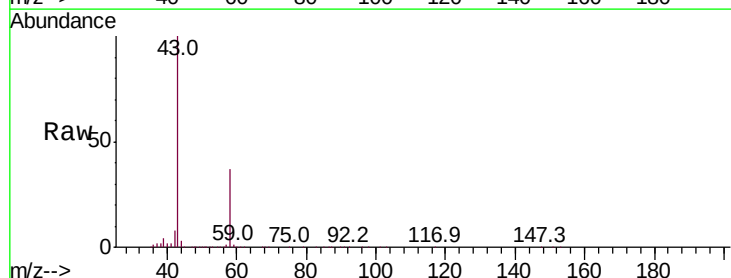
RT: 2.45 min Scan# 212

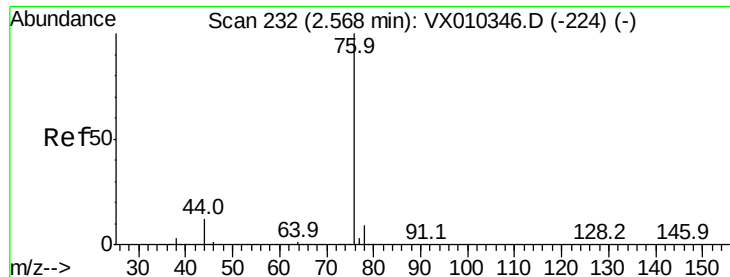
Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Tgt Ion:	43	Resp:	120159
Ion	Ratio	Lower	Upper
43	100		
58	37.2	28.9	43.3





#17

Carbon Disulfide

Concen: 17.622 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 76 Resp: 115893

Ion Ratio Lower Upper

76 100

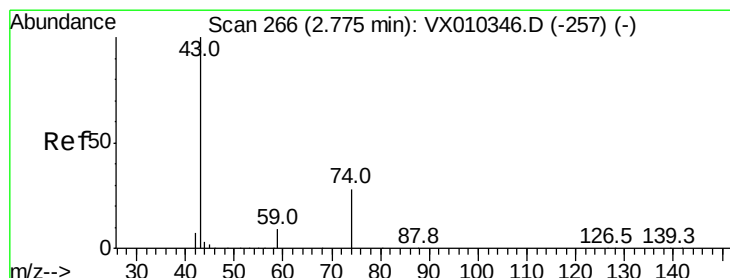
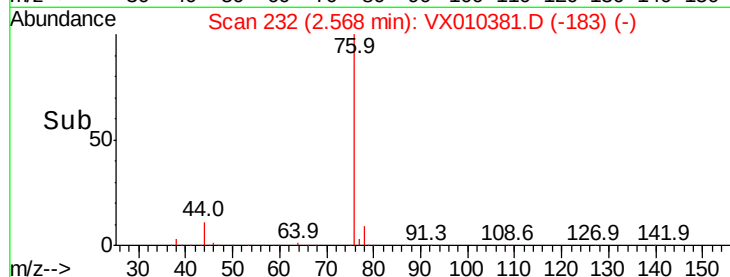
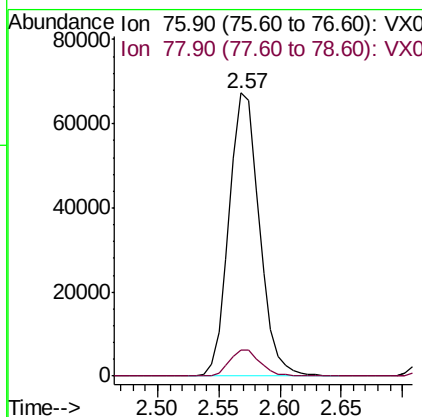
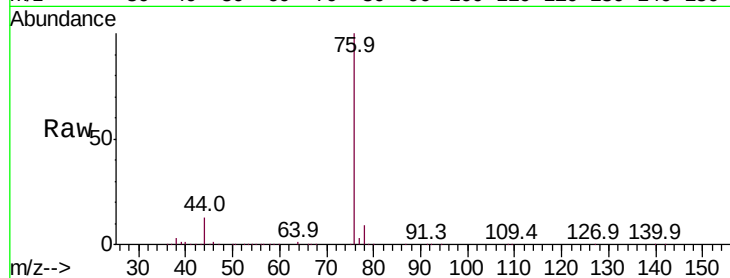
78 9.3 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 19.569 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010381.D

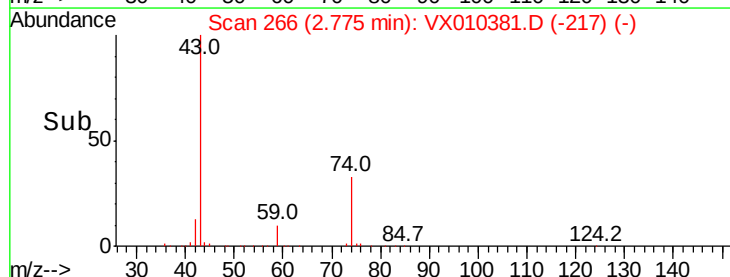
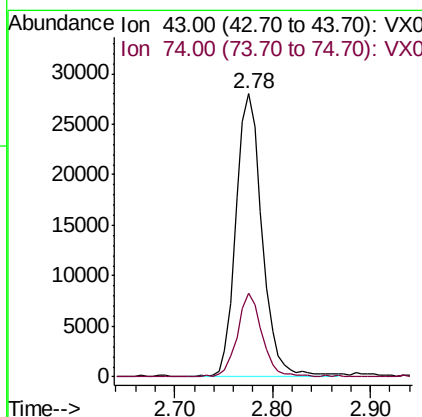
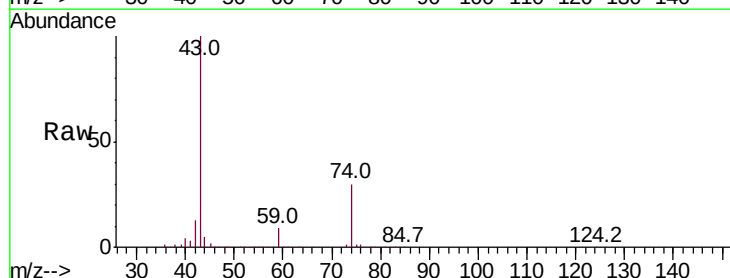
Acq: 21 Jun 2019 13:51

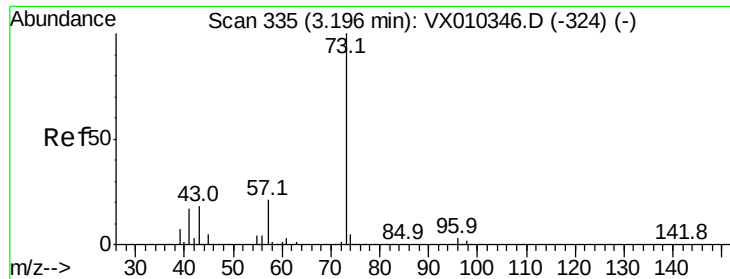
Tgt Ion: 43 Resp: 51830

Ion Ratio Lower Upper

43 100

74 28.3 21.3 31.9





#19

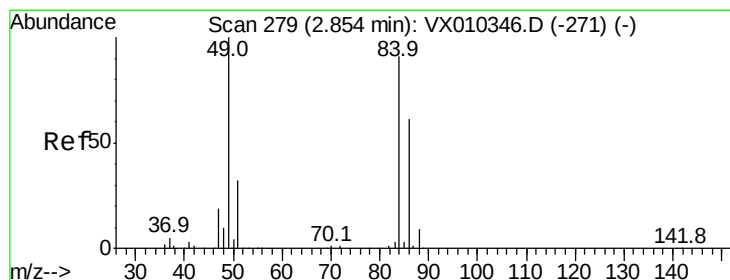
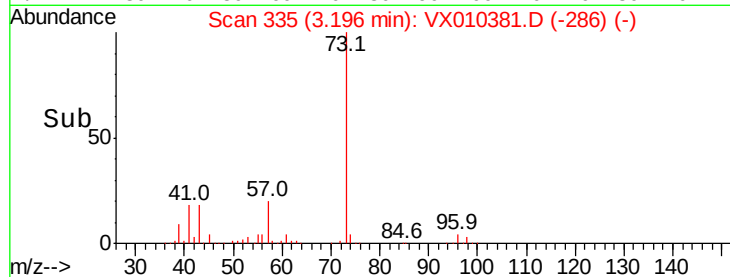
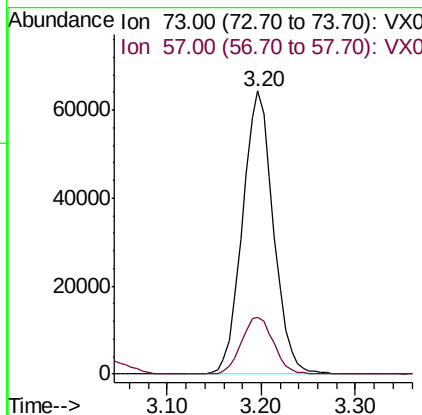
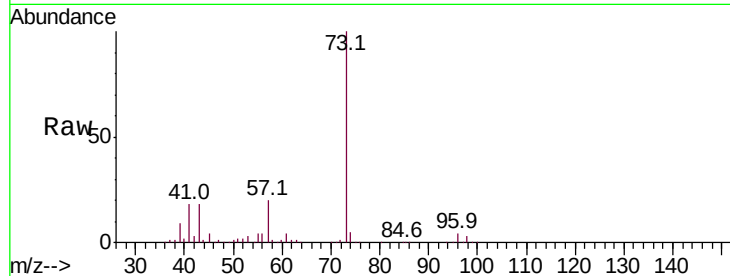
Methvl tert-butvl Ether
Concen: 19.163 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.4	24.6

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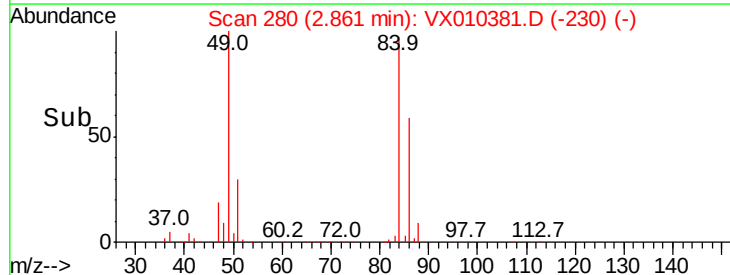
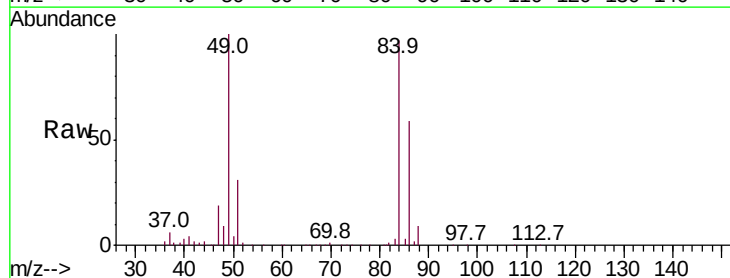
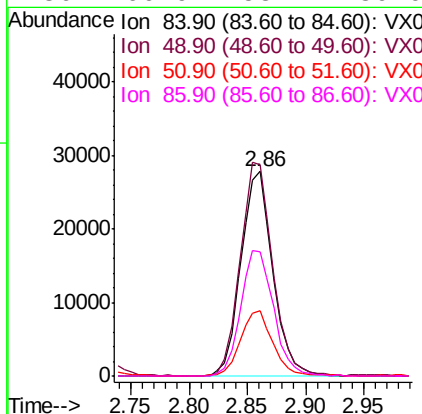
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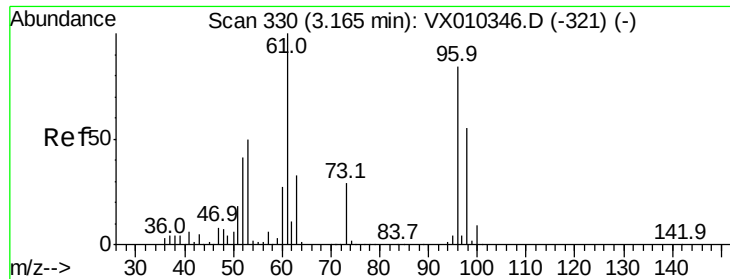


#20

Methylene Chloride
Concen: 19.435 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.1	87.5	131.3
51	31.5	27.7	41.5
86	60.9	53.4	80.0





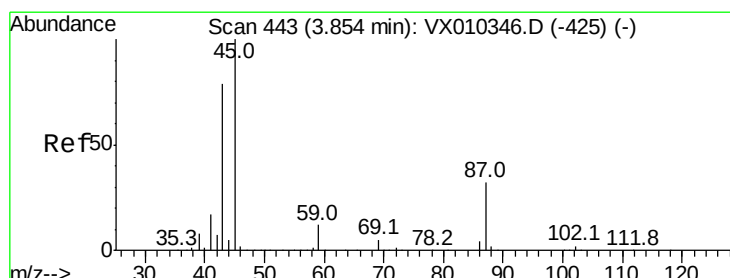
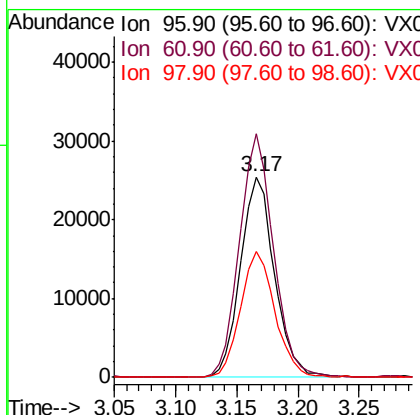
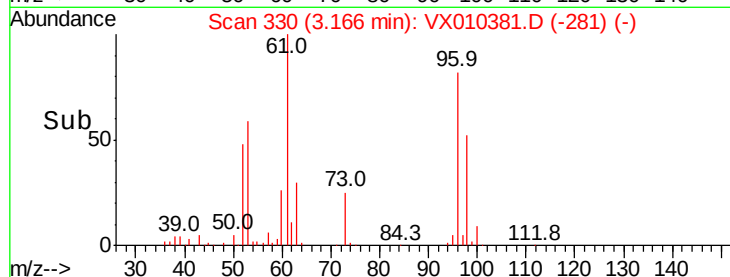
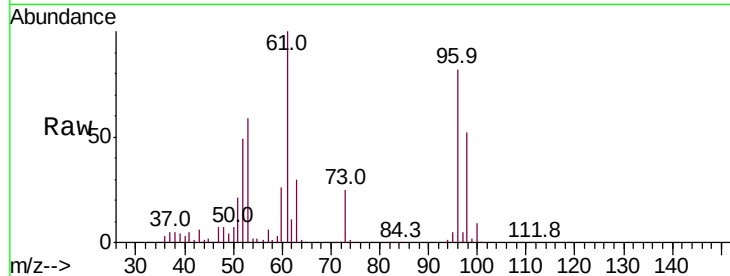
#21
 trans-1,2-Dichloroethene
 Concen: 18.676 ug/l
 RT: 3.17 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Tot Ion:	96	Resp:	49237
Ion	Ratio	Lower	Upper
96	100		
61	121.6	95.6	143.4
98	63.0	52.5	78.7

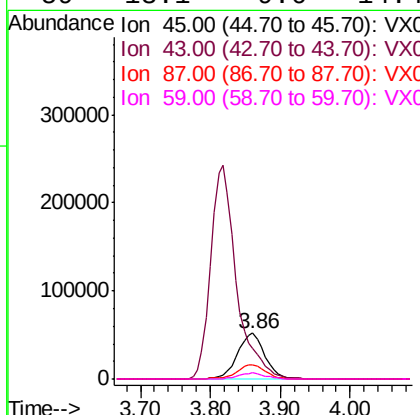
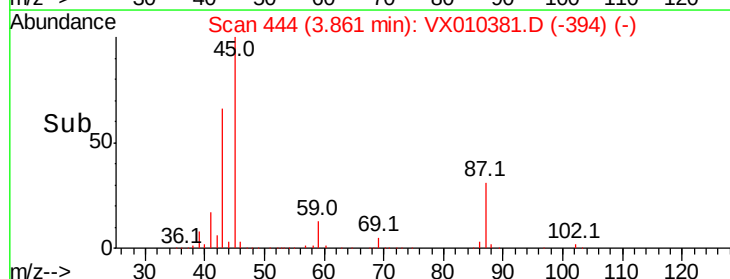
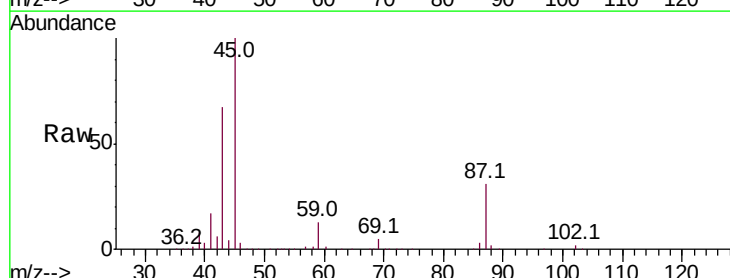
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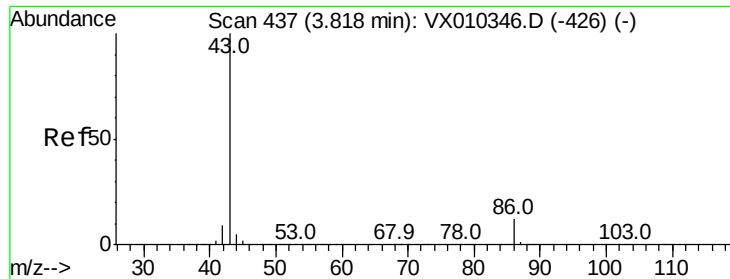
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#22
 Diisopropyl ether
 Concen: 19.483 ug/l
 RT: 3.86 min Scan# 444
 Delta R.T. 0.01 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion:	45	Resp:	141762
Ion	Ratio	Lower	Upper
45	100		
43	66.0	63.3	94.9
87	31.5	25.8	38.8
59	13.1	9.6	14.4





#23

Vinyl Acetate

Concen: 98.801 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 43 Resp: 621042

Ion Ratio Lower Upper

43 100

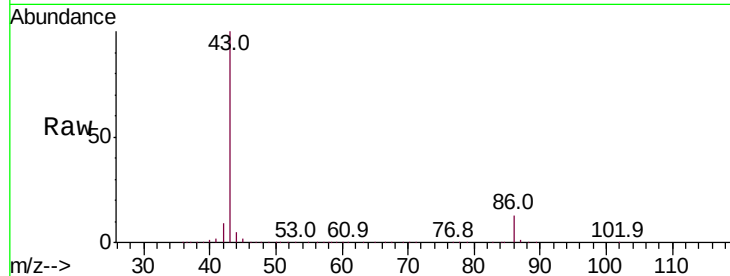
86 12.5 9.9 14.9

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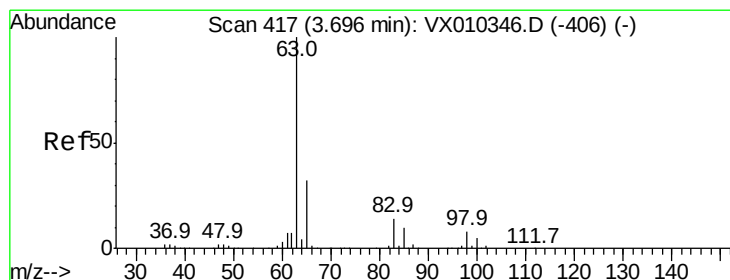
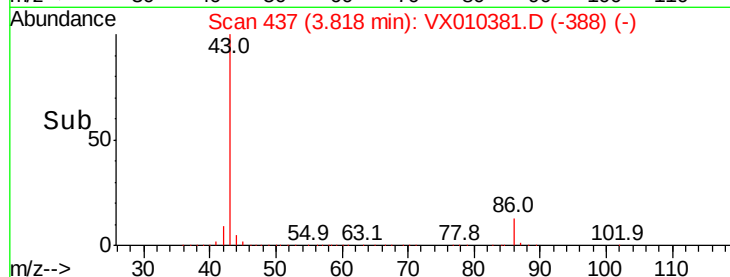
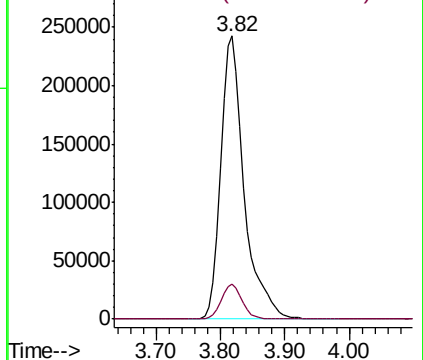
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.481 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

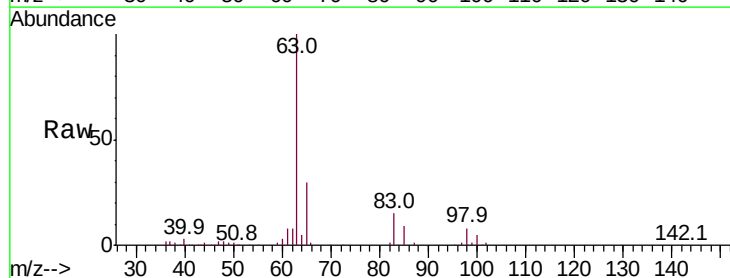
Tgt Ion: 63 Resp: 81935

Ion Ratio Lower Upper

63 100

98 8.1 3.9 11.7

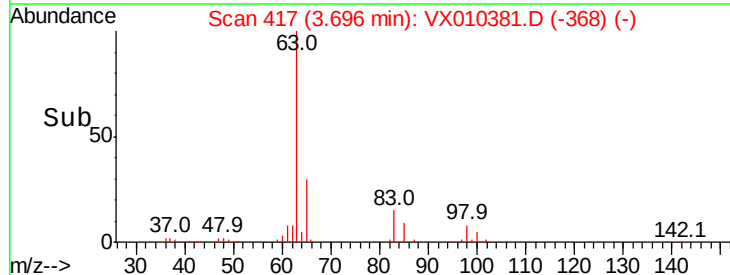
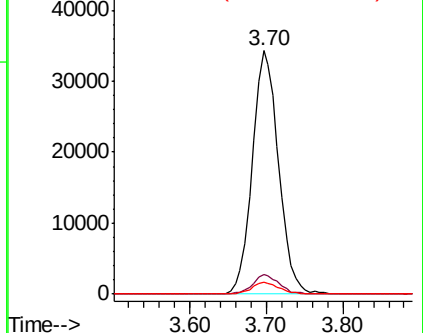
100 5.0 2.4 7.1

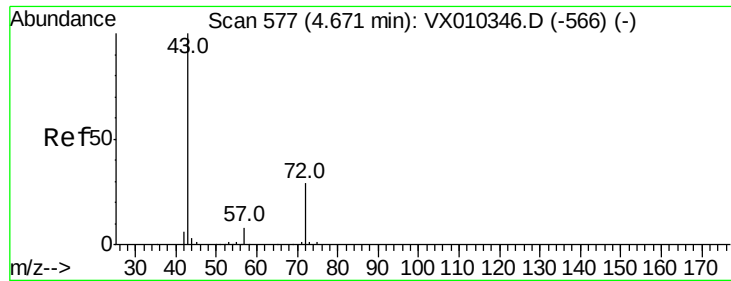


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 95.612 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 43 Resp: 186377

Ion Ratio Lower Upper

43 100

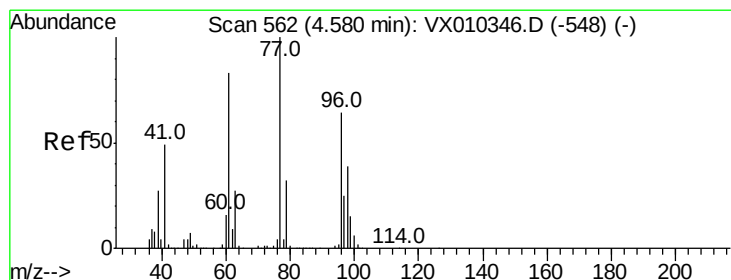
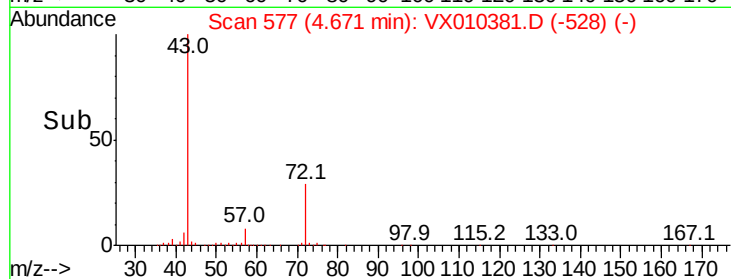
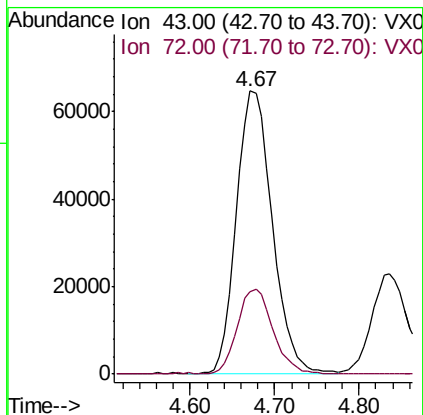
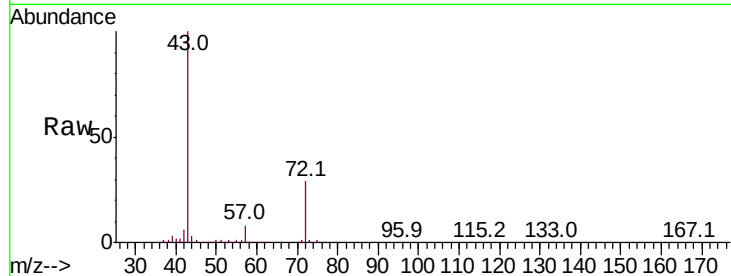
72 29.0 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.235 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010381.D

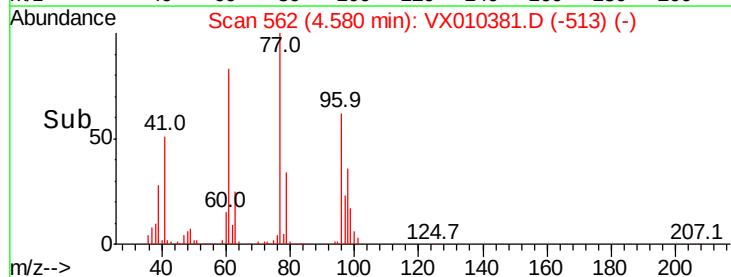
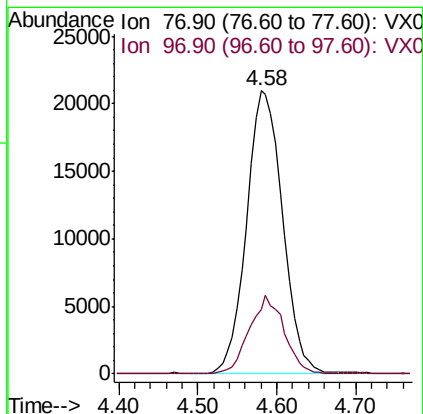
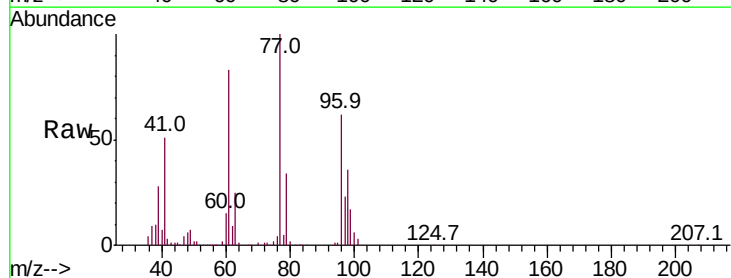
Acq: 21 Jun 2019 13:51

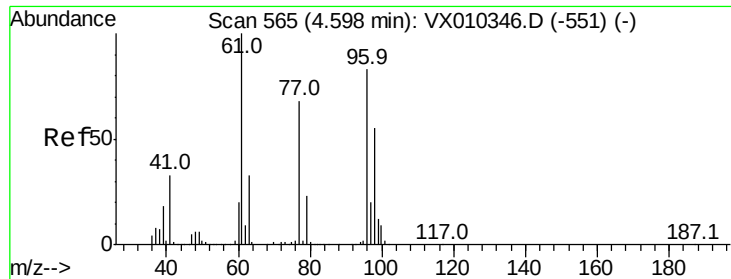
Tgt Ion: 77 Resp: 66622

Ion Ratio Lower Upper

77 100

97 26.6 13.1 39.3





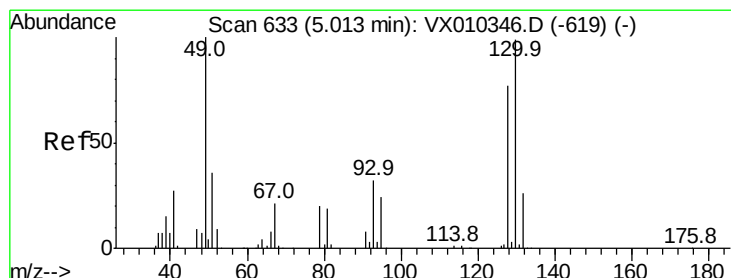
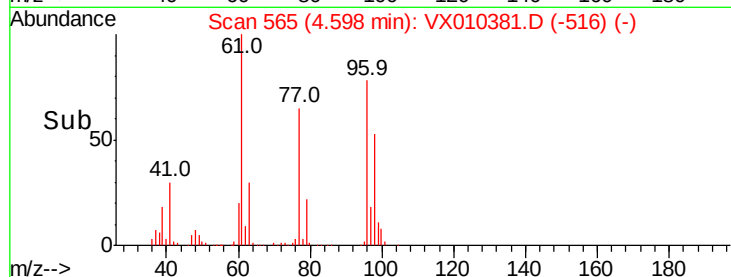
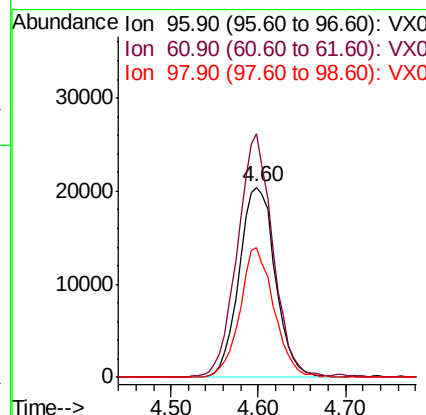
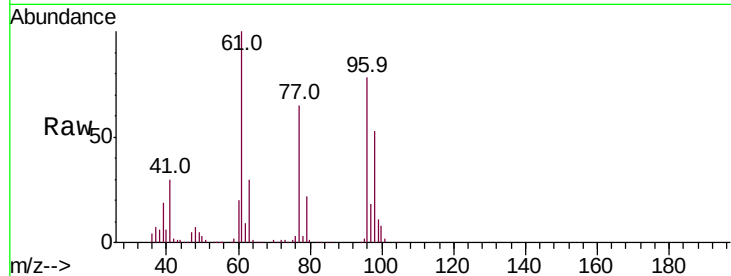
#27
 cis-1,2-Dichloroethene
 Concen: 19.341 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampled :
 VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.9	0.0	251.8
98	64.4	0.0	129.4

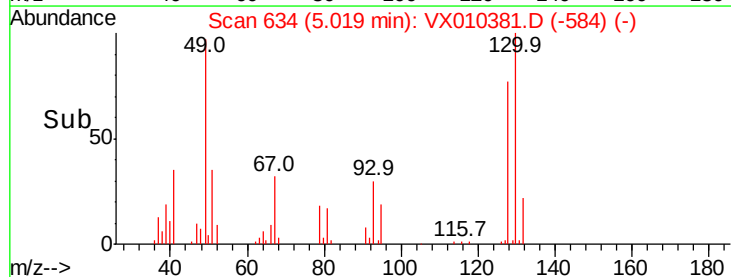
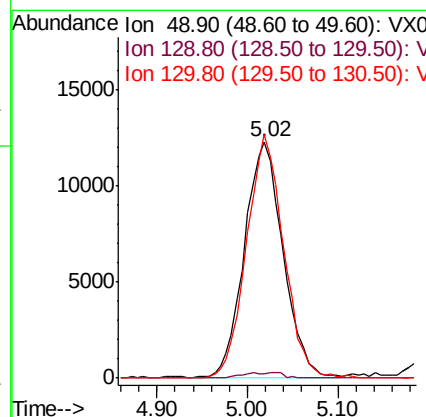
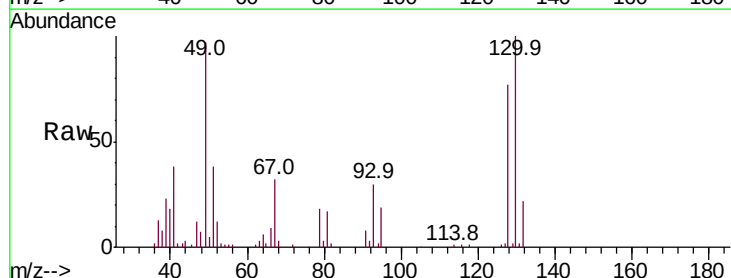
Manual Integrations
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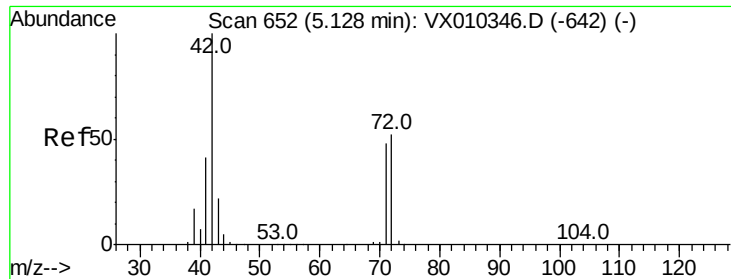
MMDadoda
 6/24/2019 11:23:08 AM



#28
 Bromochloromethane
 Concen: 18.099 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	98.3	81.4	122.0





#29

Tetrahydrofuran

Concen: 98.640 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 42 Resp: 119099

Ion Ratio Lower Upper

42 100

72 51.4 40.6 60.8

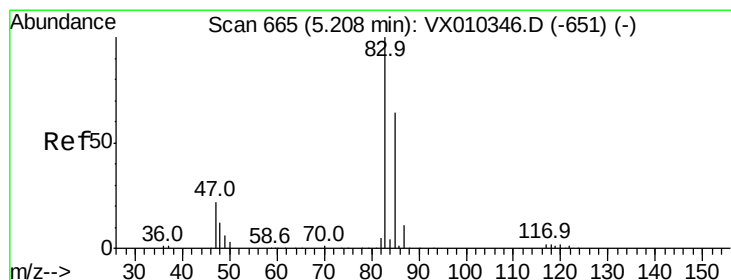
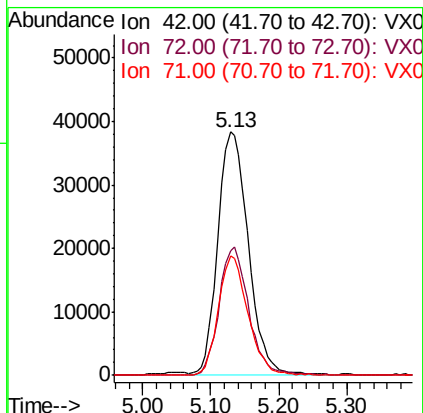
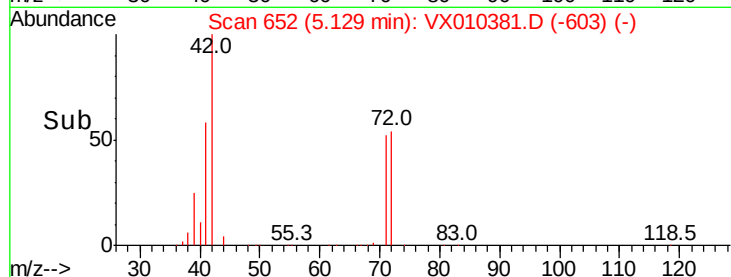
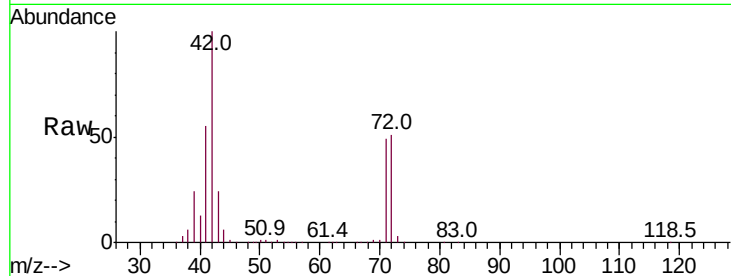
71 47.6 37.8 56.8

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#30

Chloroform

Concen: 18.845 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX010381.D

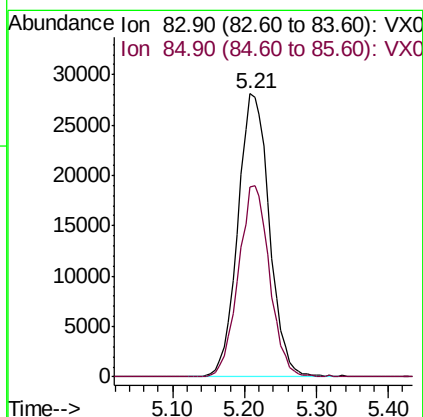
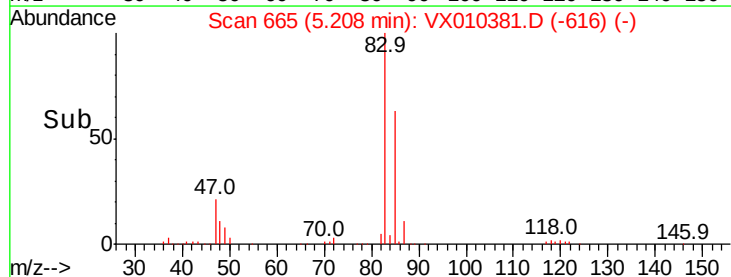
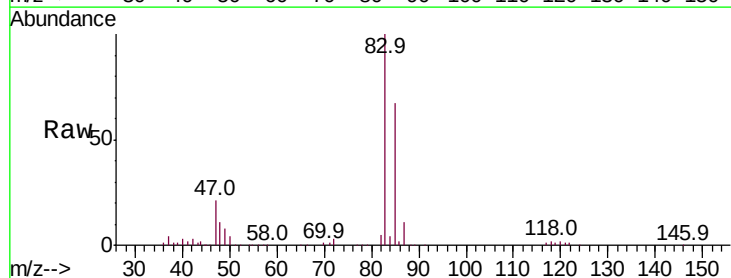
Acq: 21 Jun 2019 13:51

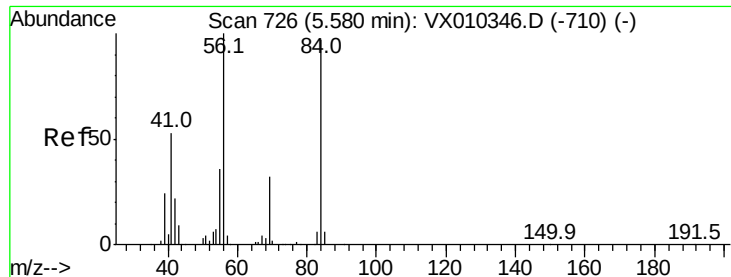
Tgt Ion: 83 Resp: 85277

Ion Ratio Lower Upper

83 100

85 67.1 50.9 76.3





#31

Cyclohexane

Concen: 19.212 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

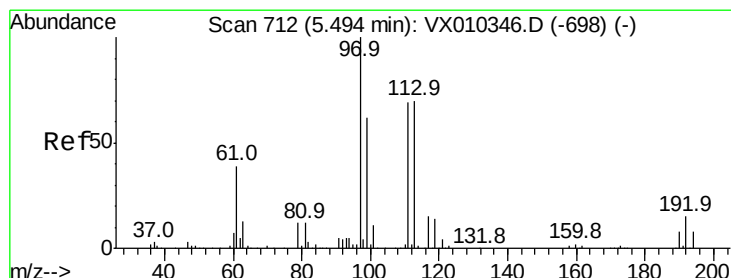
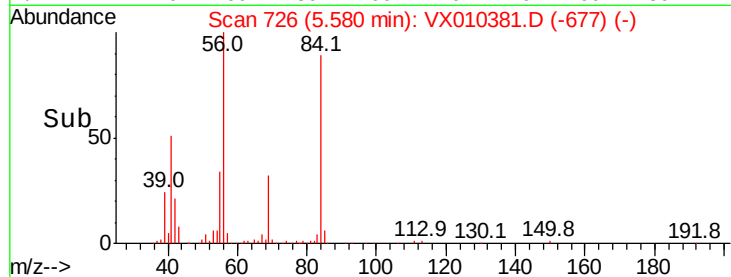
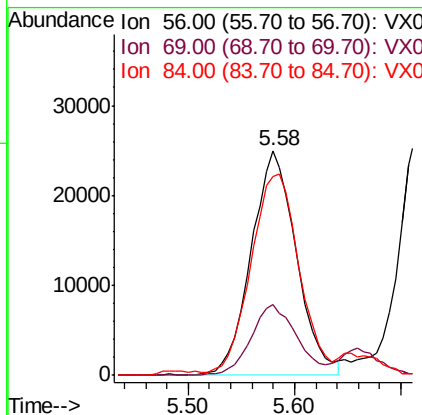
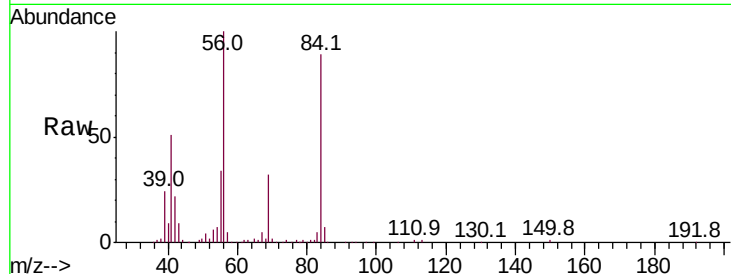
ClientSampleId :

VX0621WBSD01

Tot Ion:	56	Resp:	73584
Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.9	38.9
84	87.5	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.603 ug/l

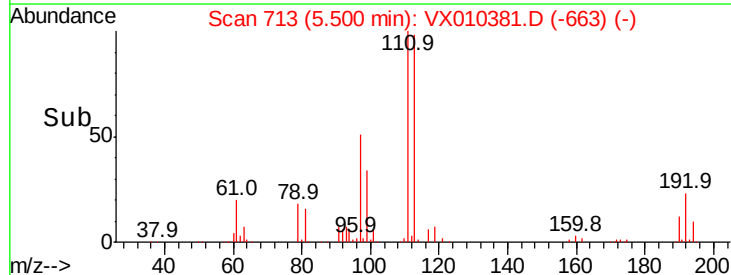
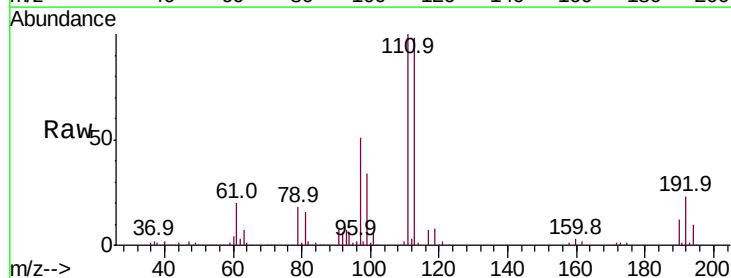
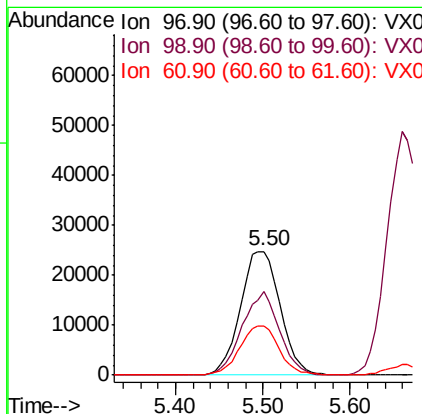
RT: 5.50 min Scan# 713

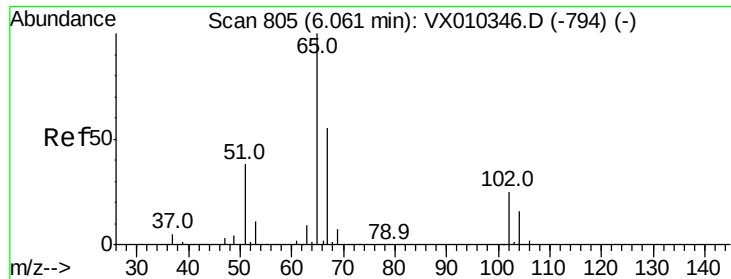
Delta R.T. 0.01 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Tgt Ion:	97	Resp:	78329
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	39.6	32.1	48.1





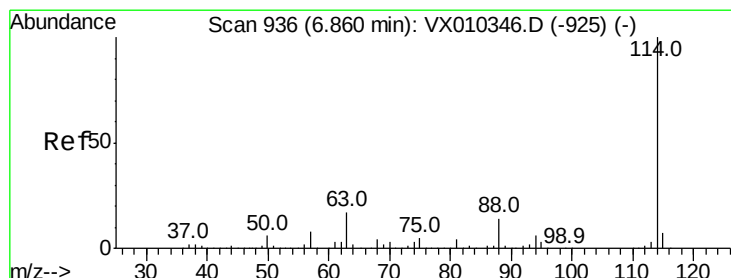
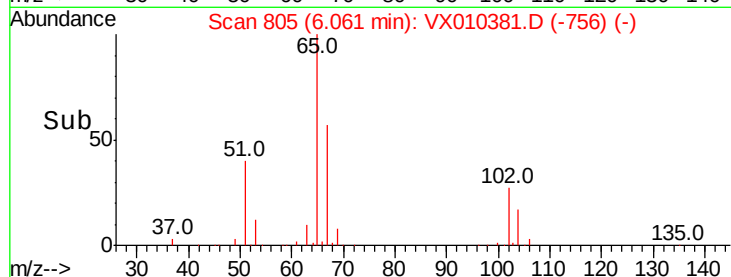
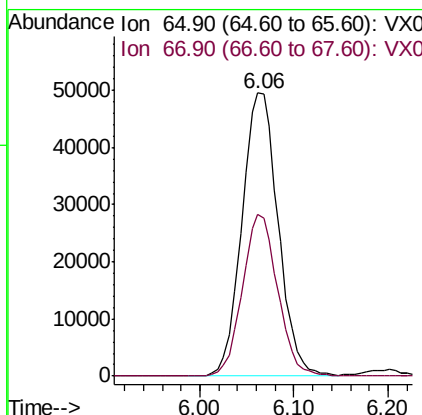
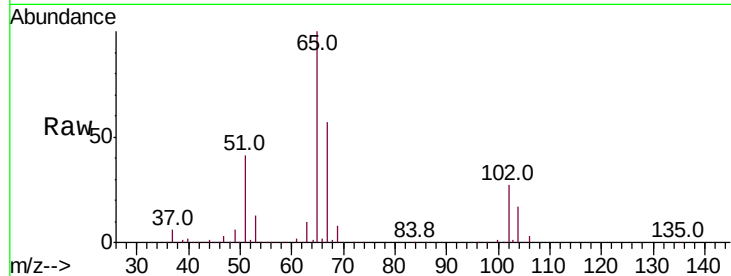
#33
 1,2-Dichloroethane-d4
 Concen: 50.355 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	110.2

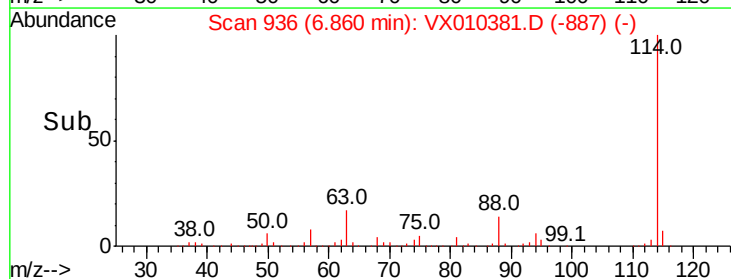
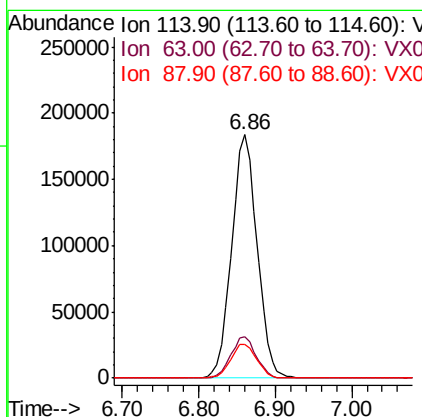
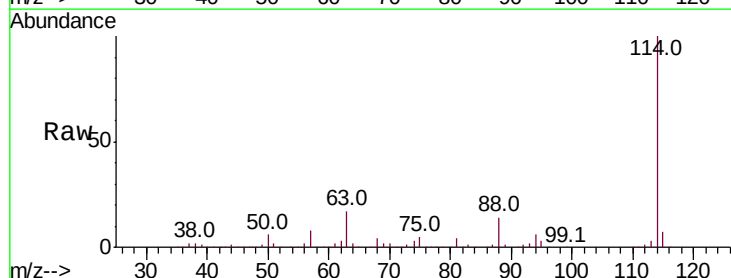
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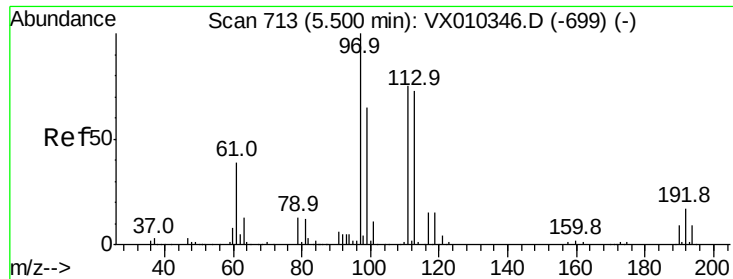
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	33.8
88	14.1	0.0	27.6





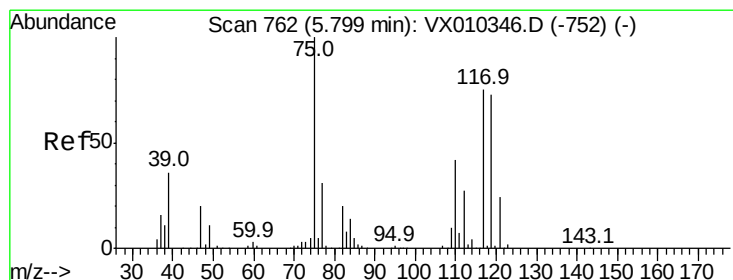
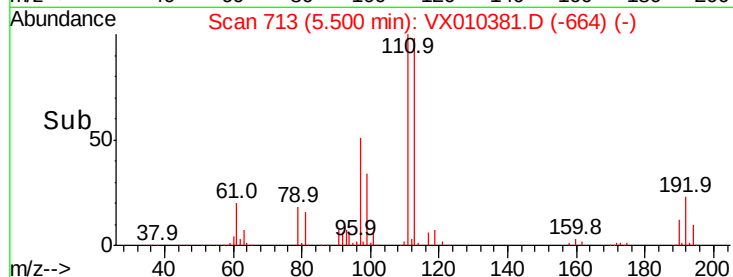
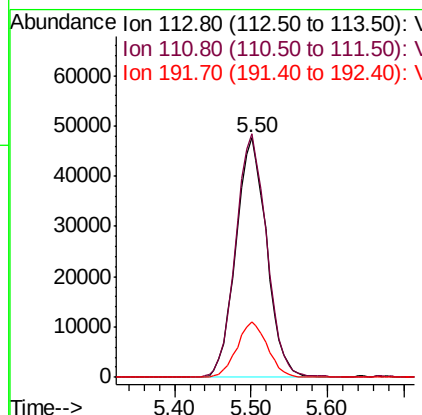
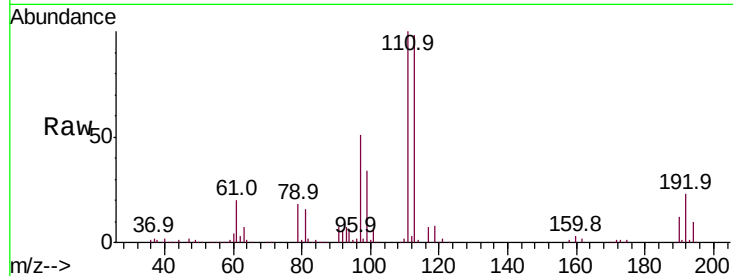
#35
 Dibromofluoromethane
 Concen: 51.435 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.3	81.2	121.8	
192	23.0	18.6	27.8	

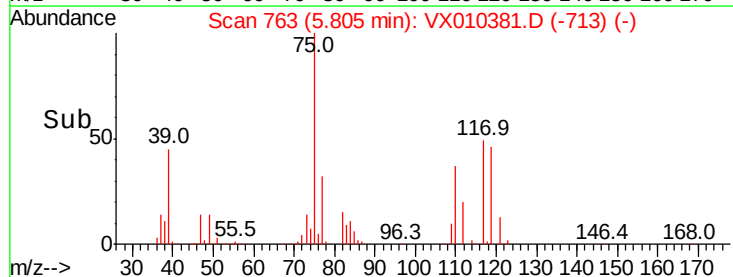
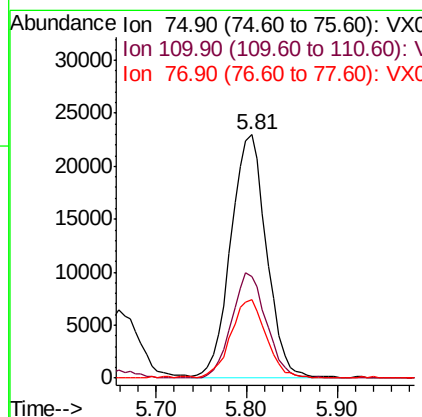
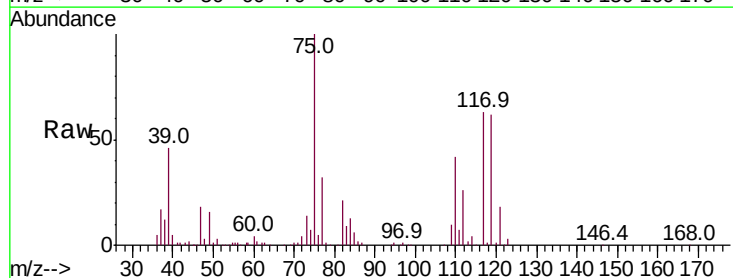
Manual Integrations
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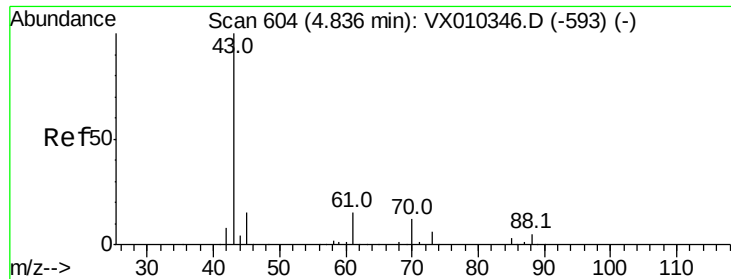
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#36
 1,1-Dichloropropene
 Concen: 18.626 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	42.0	20.8	62.2	
77	31.4	25.4	38.0	





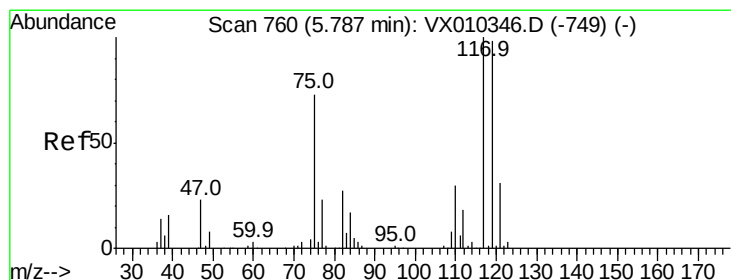
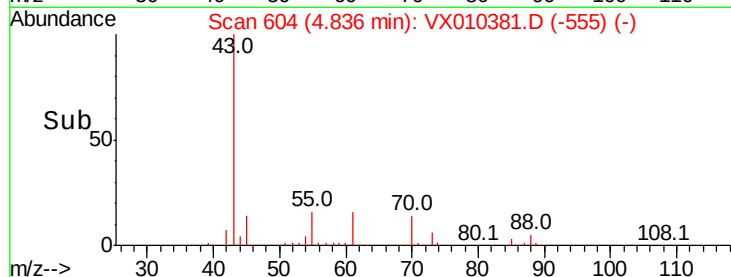
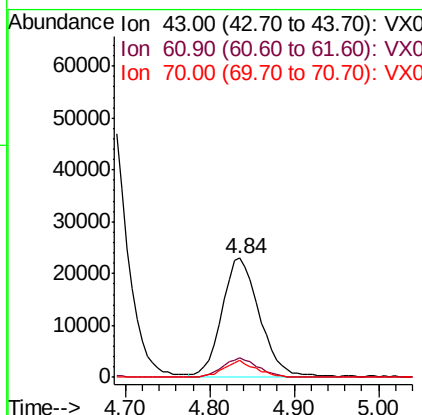
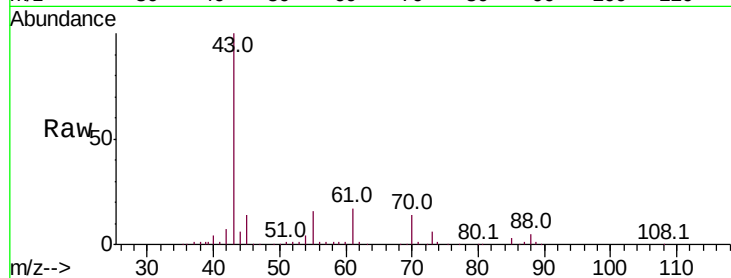
#37
Ethyl Acetate
Concen: 19.972 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.4	18.6
70	12.2	9.8	14.8

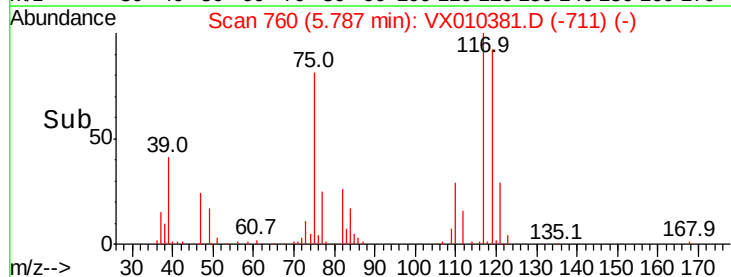
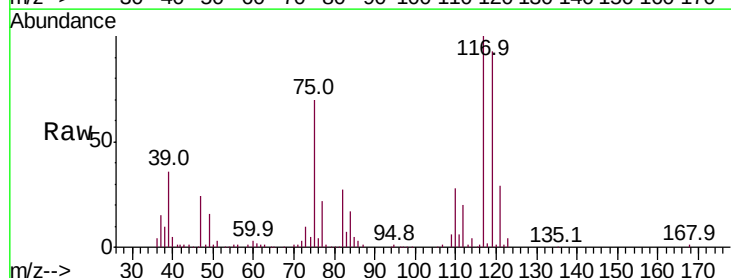
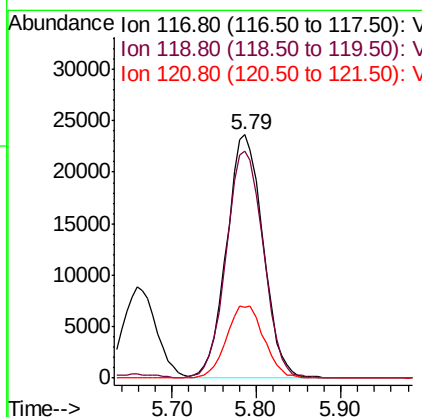
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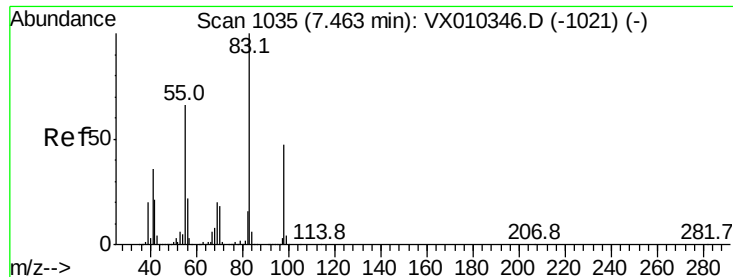
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6/24/2019 11:23:08 AM



#38
Carbon Tetrachloride
Concen: 19.107 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.2	117.4
121	29.1	24.7	37.1





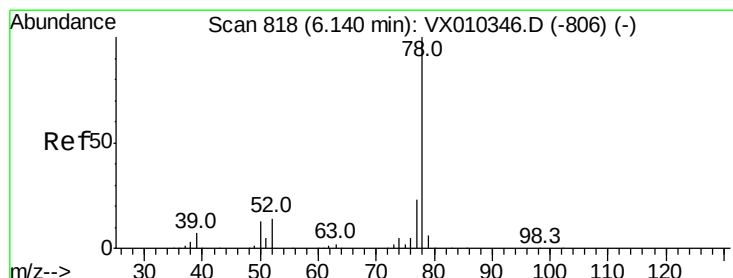
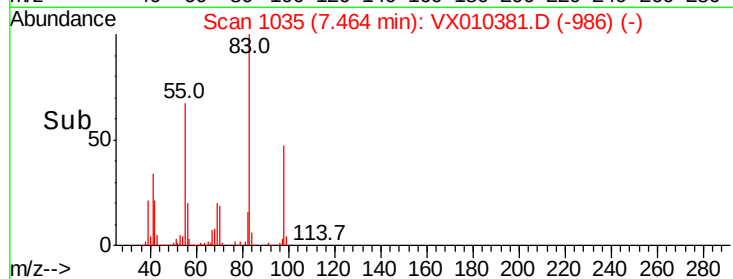
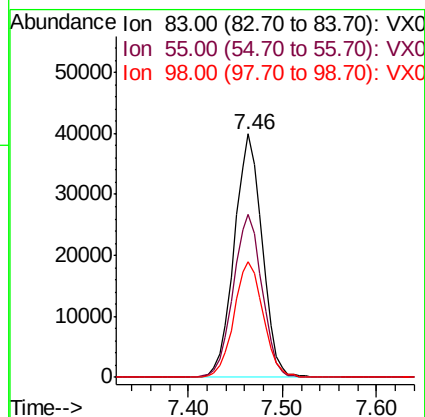
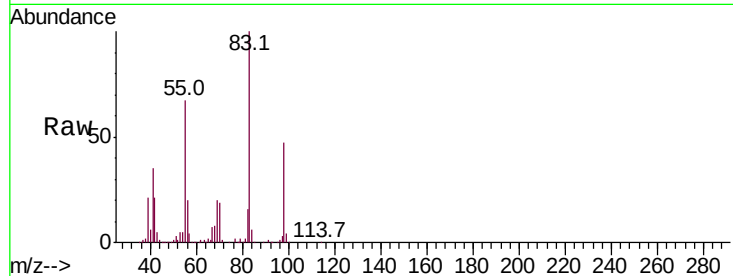
#39
Methylvlcyclohexane
Concen: 18.672 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	53.0	79.6
98	47.4	37.8	56.8

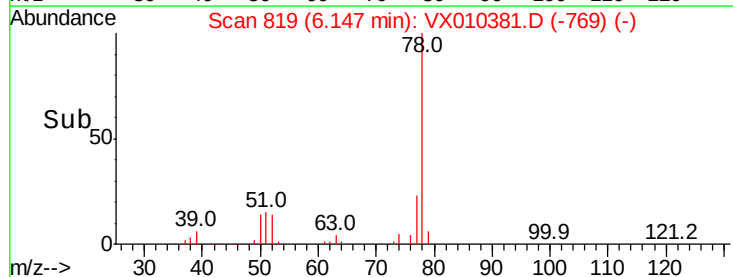
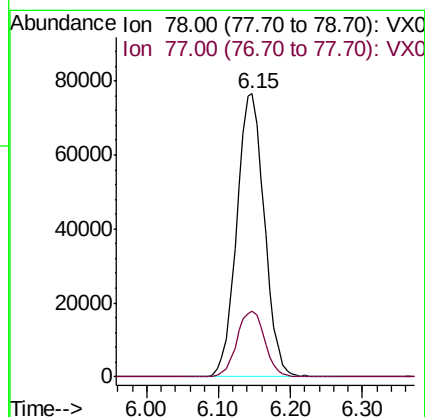
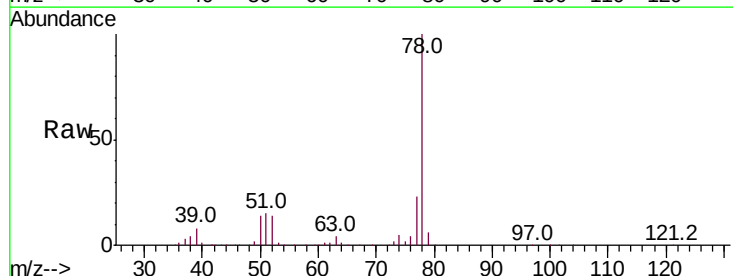
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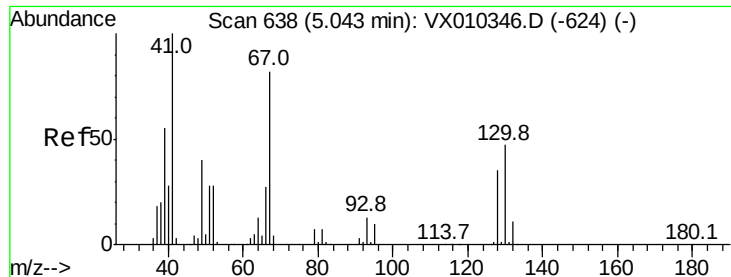
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#40
Benzene
Concen: 19.456 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





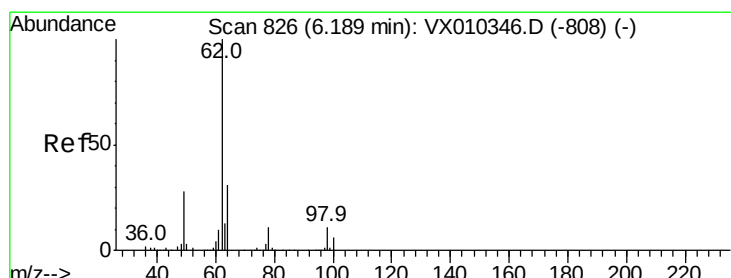
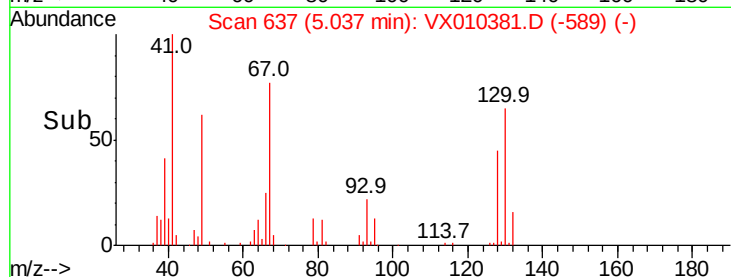
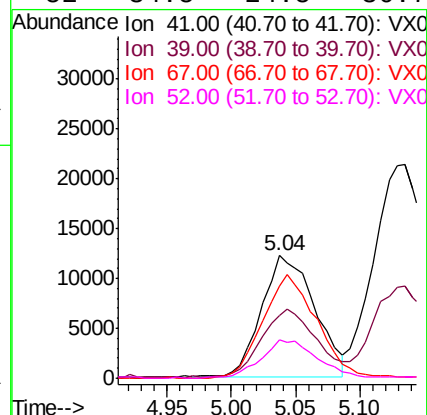
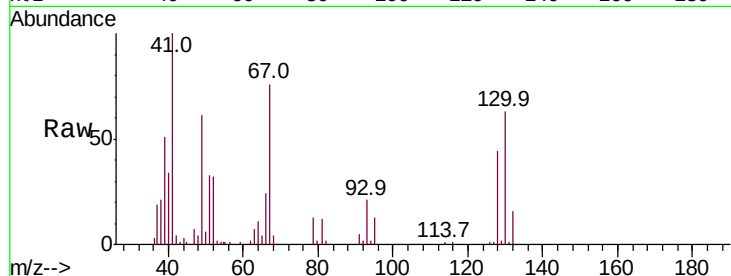
#41
Methacrylonitrile
Concen: 18.459 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.5	43.8	65.8	
67	87.2	66.6	100.0	
52	34.5	24.5	36.7	

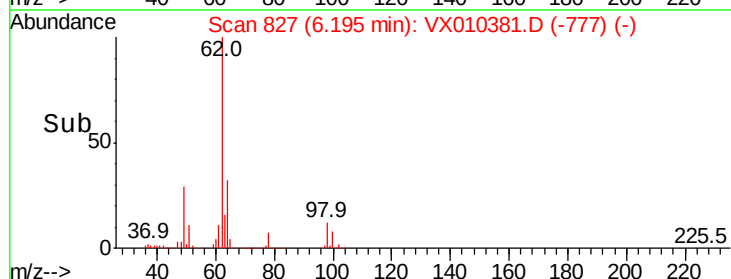
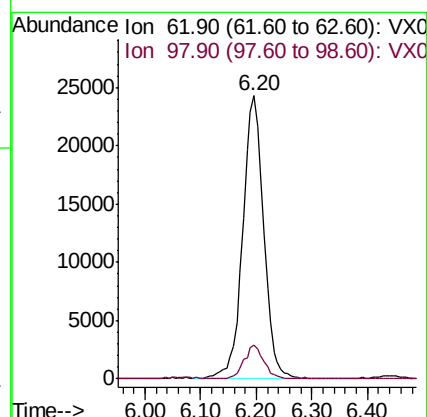
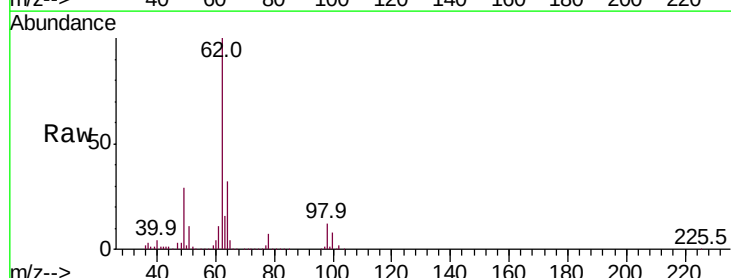
Manual Integrations
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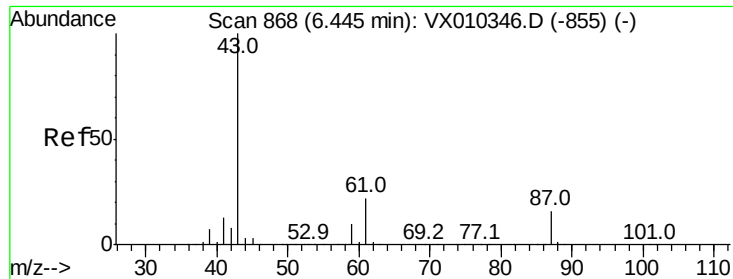
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#42
1,2-Dichloroethane
Concen: 20.056 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.0	0.0	22.2	





#43

Isopropyl Acetate

Concen: 19.440 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

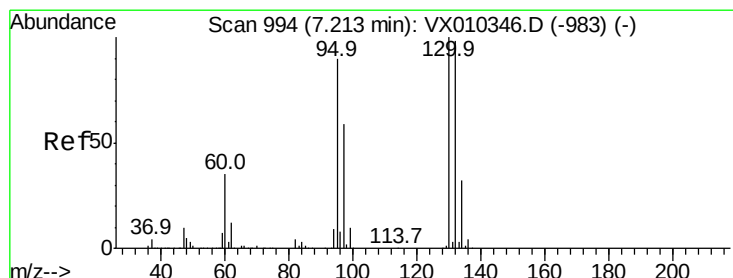
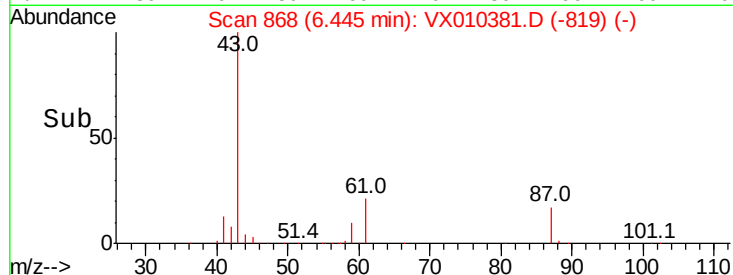
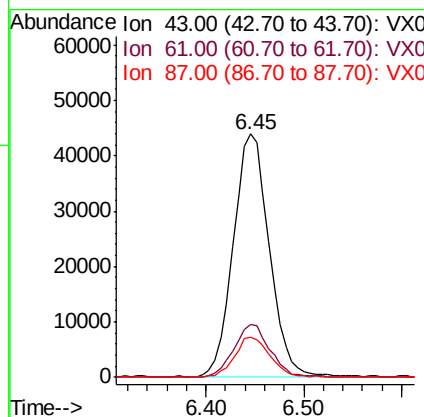
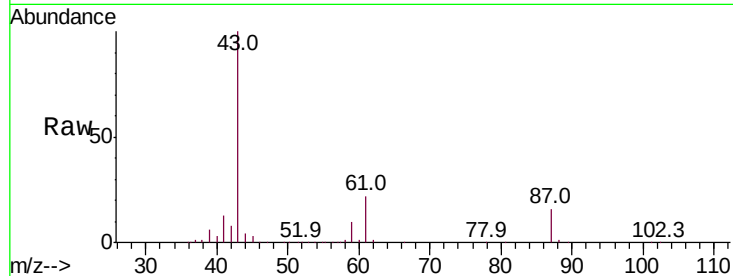
ClientSampleId :

VX0621WBSD01

Tot Ion:	43	Resp:	111139
Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.8	26.6
87	16.7	13.0	19.4

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#44

Trichloroethene

Concen: 18.910 ug/l

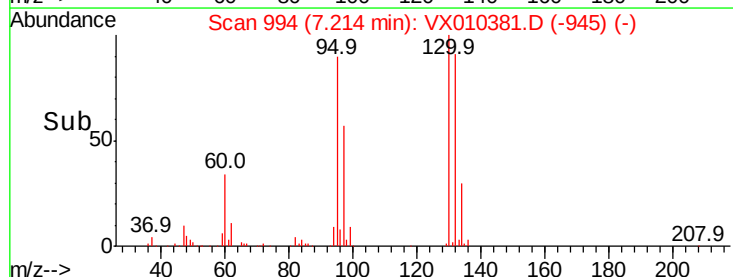
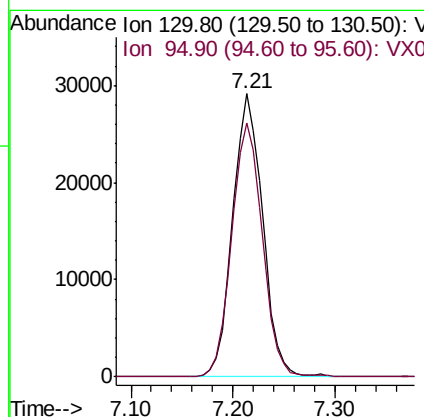
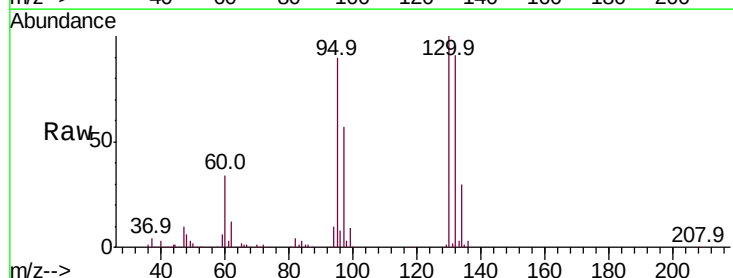
RT: 7.21 min Scan# 994

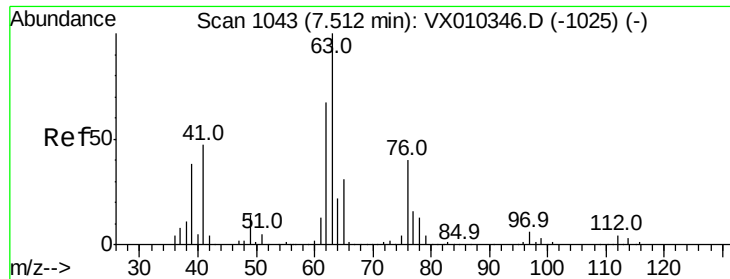
Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Tgt Ion:	130	Resp:	59212
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	180.8





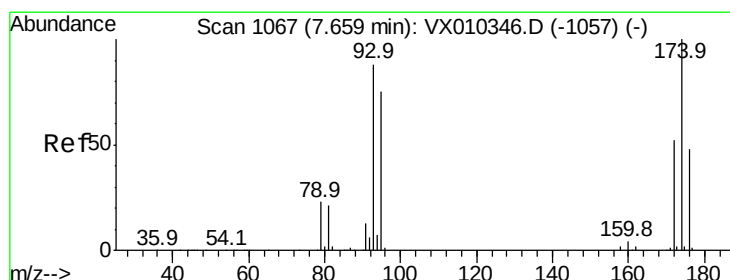
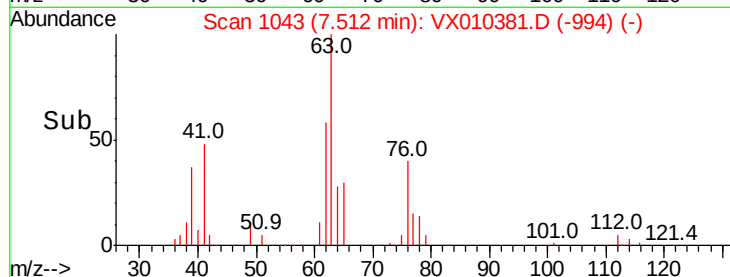
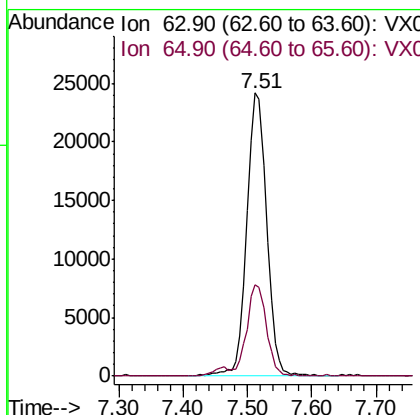
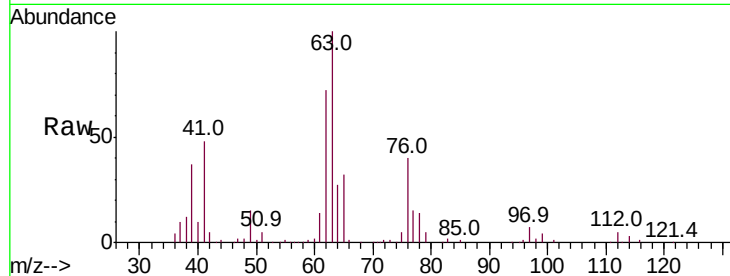
#45
 1,2-Dichloropropane
 Concen: 19.319 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Tot Ion: 63 Resp: 51053
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.8 37.2

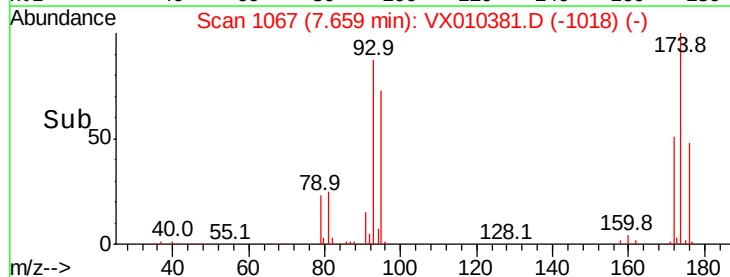
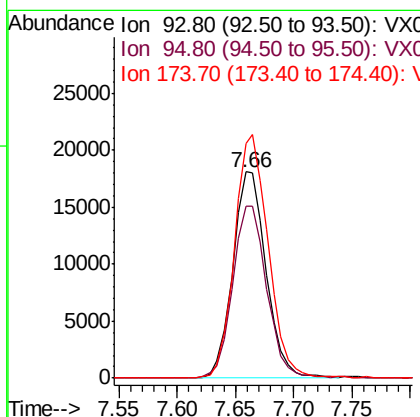
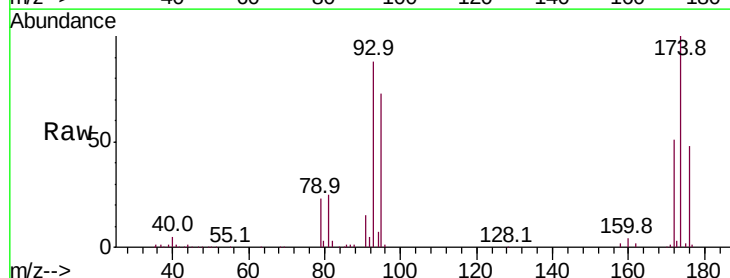
Manual Integrations
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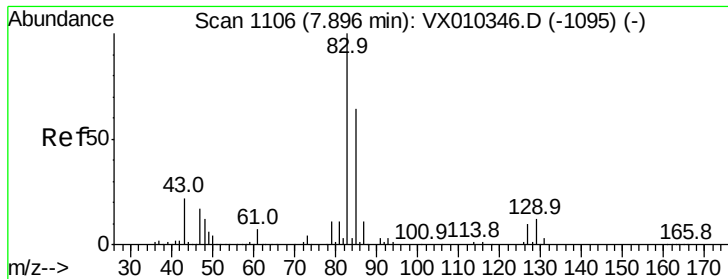
MMDadoda
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#46
 Dibromomethane
 Concen: 18.979 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion: 93 Resp: 35985
 Ion Ratio Lower Upper
 93 100
 95 85.5 67.5 101.3
 174 119.3 95.8 143.6





#47

Bromodichloromethane

Concen: 18.757 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

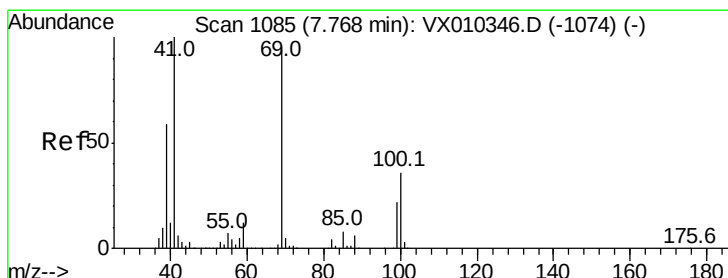
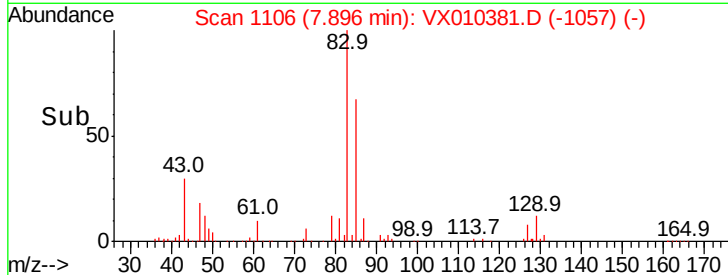
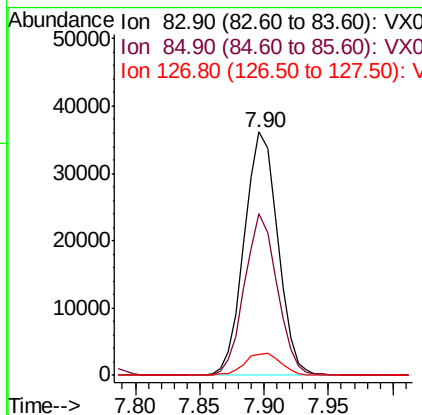
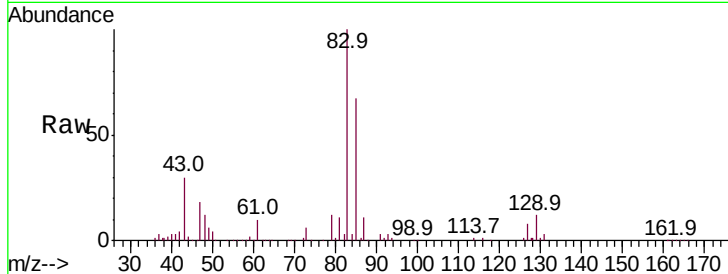
ClientSampleId :

VX0621WBSD01

Tot Ion:	83	Resp:	65175
Ion Ratio	Lower	Upper	
83	100		
85	66.6	51.5	77.3
127	8.4	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.541 ug/l

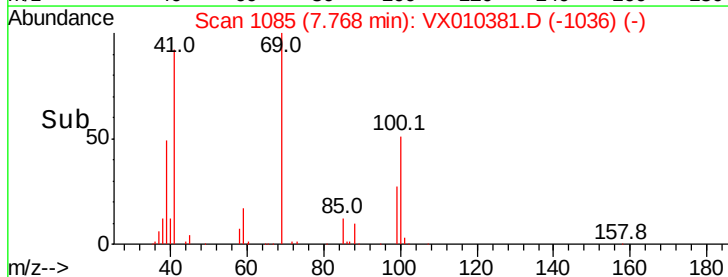
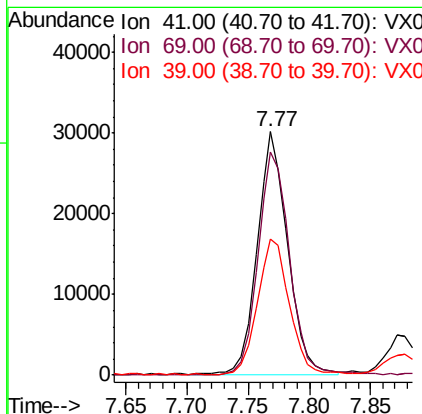
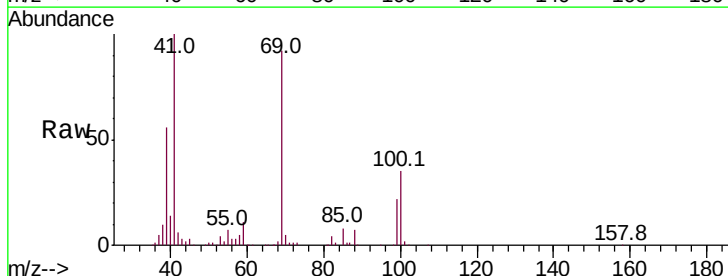
RT: 7.77 min Scan# 1085

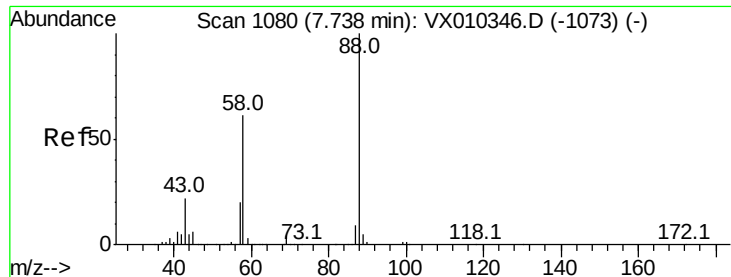
Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Tgt Ion:	41	Resp:	51929
Ion Ratio	Lower	Upper	
41	100		
69	96.3	76.1	114.1
39	58.5	47.6	71.4





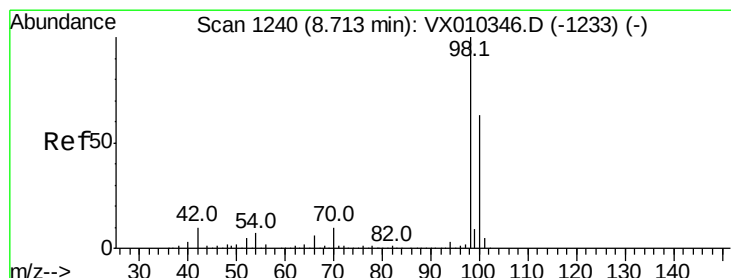
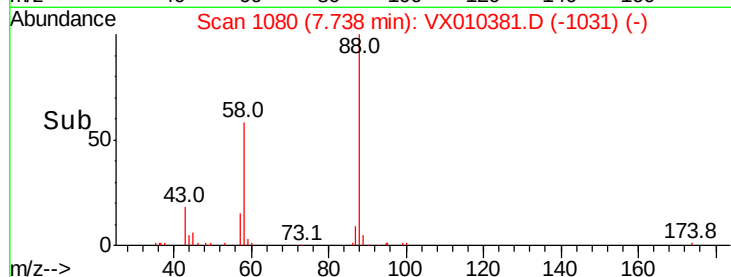
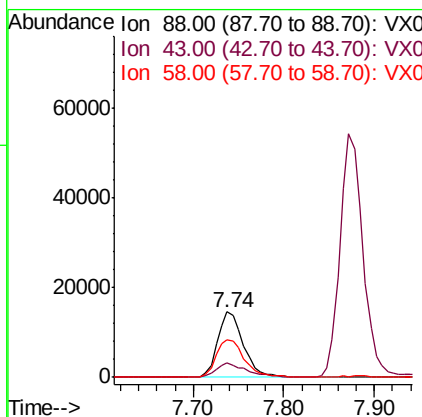
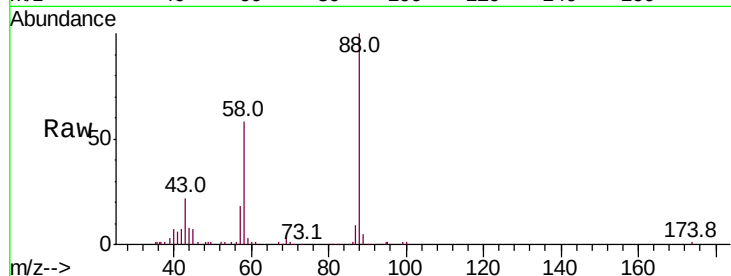
#49
1,4-Dioxane
Concen: 381.543 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.5	20.2	30.2
58	60.8	49.5	74.3

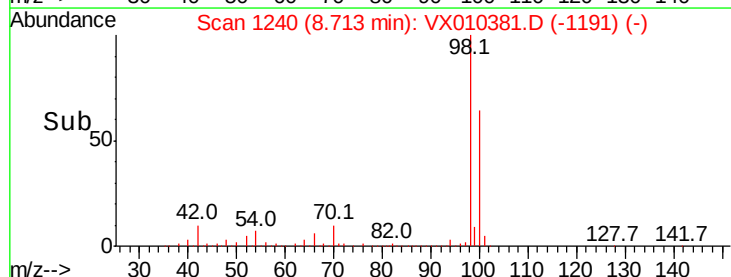
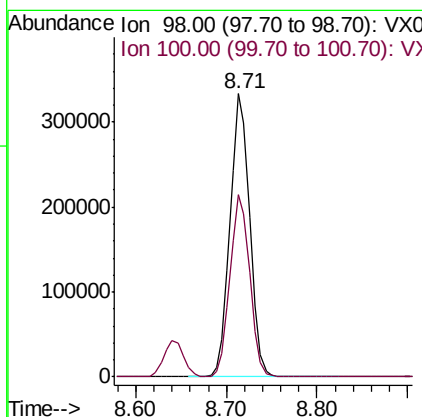
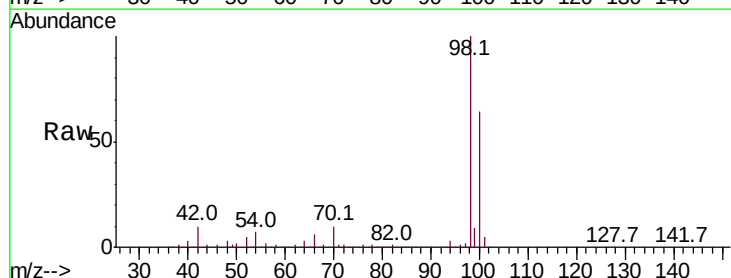
Manual Integrations
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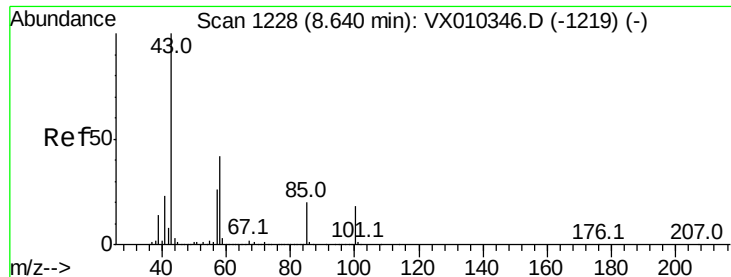
MMDadoda
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#50
Toluene-d8
Concen: 50.647 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 98.362 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleID :

VX0621WBSD01

Tot Ion: 43 Resp: 359654

Ion Ratio Lower Upper

43 100

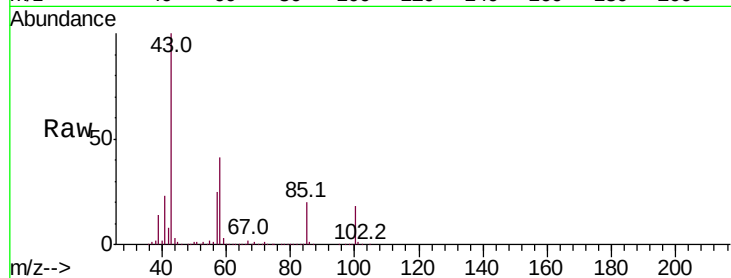
58 41.5 33.5 50.3

Manual Integrations

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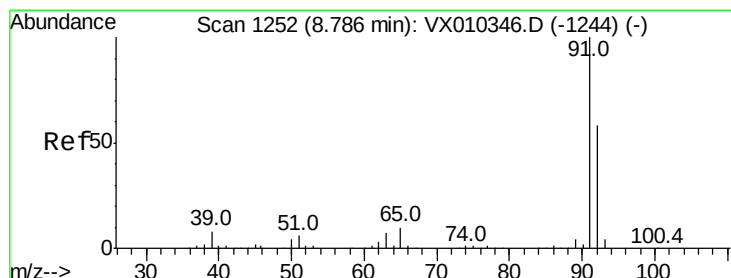
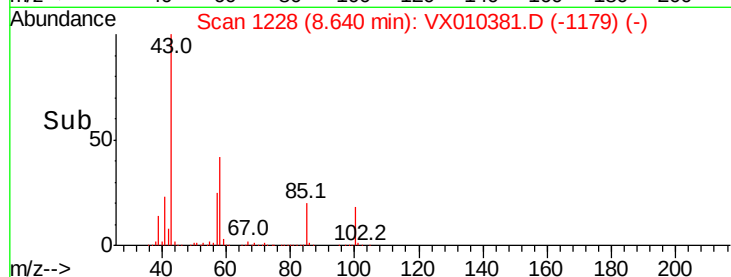
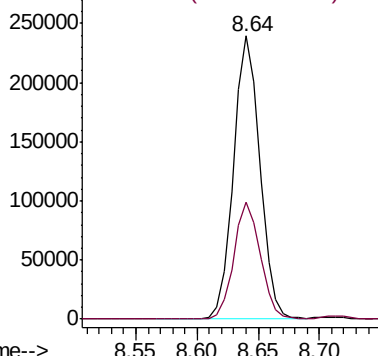
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.979 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010381.D

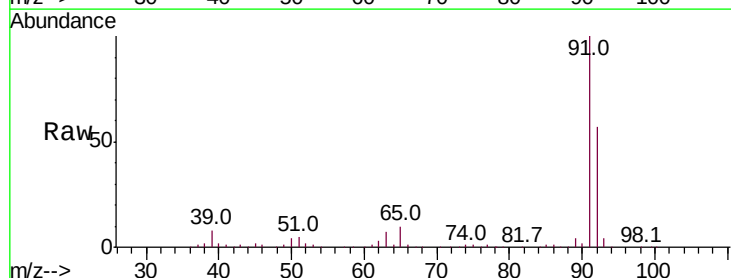
Acq: 21 Jun 2019 13:51

Tgt Ion: 92 Resp: 130787

Ion Ratio Lower Upper

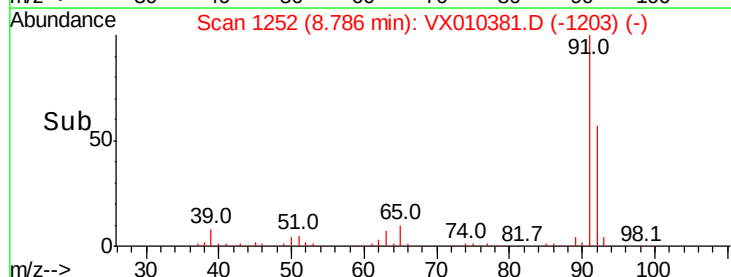
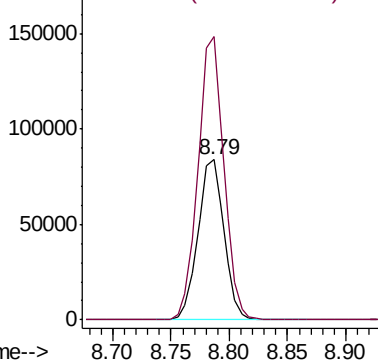
92 100

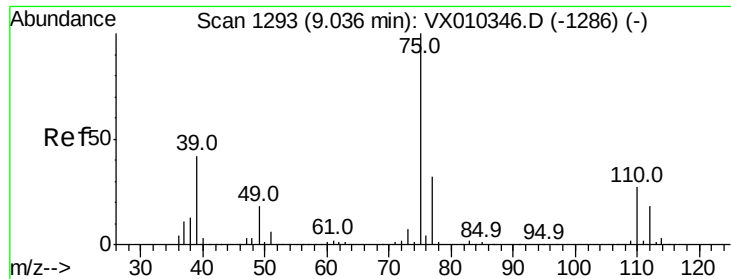
91 176.0 139.8 209.6



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: 18.136 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 75 Resp: 70652

Ion Ratio Lower Upper

75 100

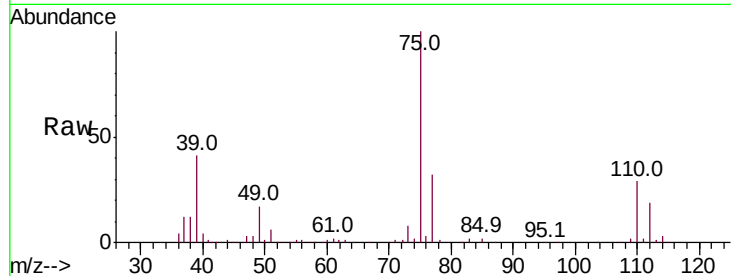
77 31.4 25.4 38.2

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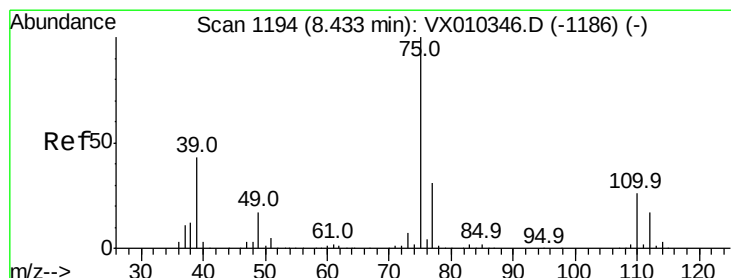
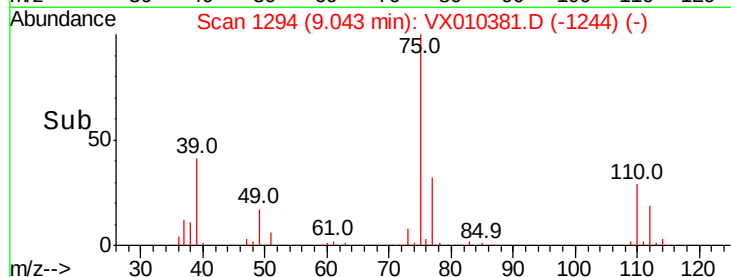
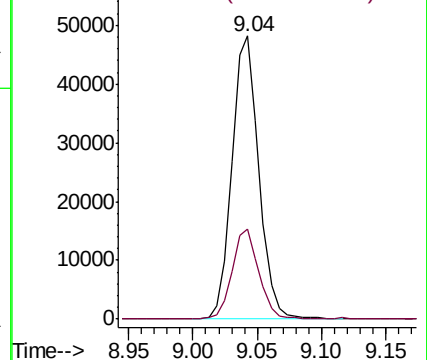
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.757 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

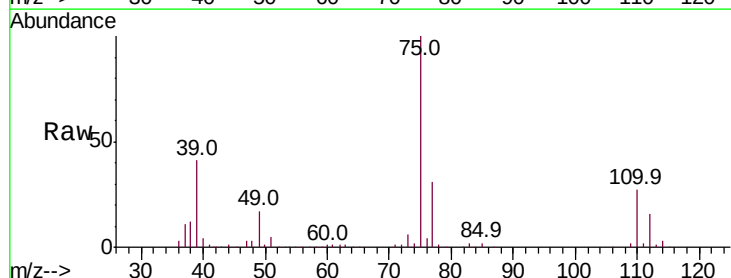
Tgt Ion: 75 Resp: 79404

Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8

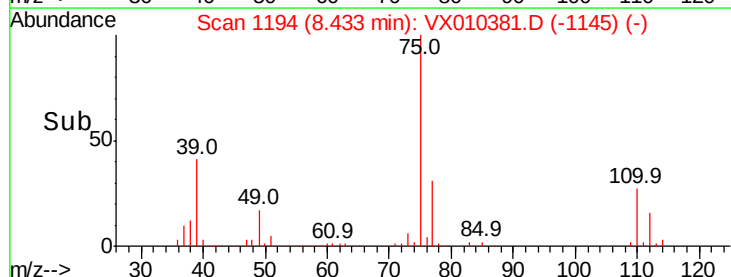
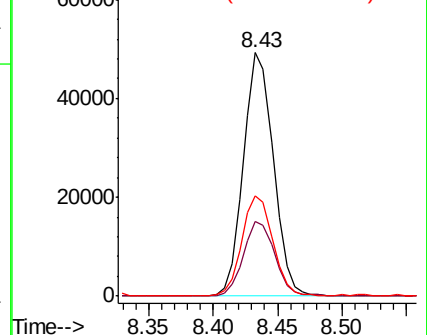
39 41.2 34.5 51.7

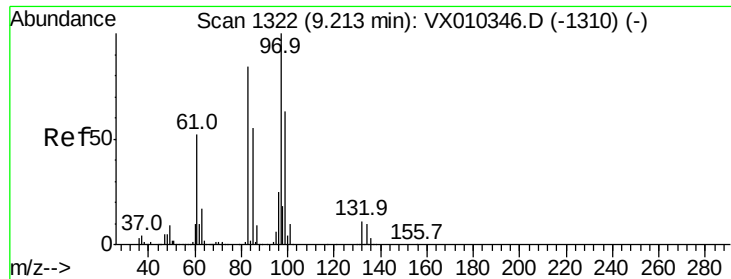


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 19.312 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 97 Resp: 54886

Ion Ratio Lower Upper

97 100

83 84.5 67.4 101.0

85 54.3 43.8 65.8

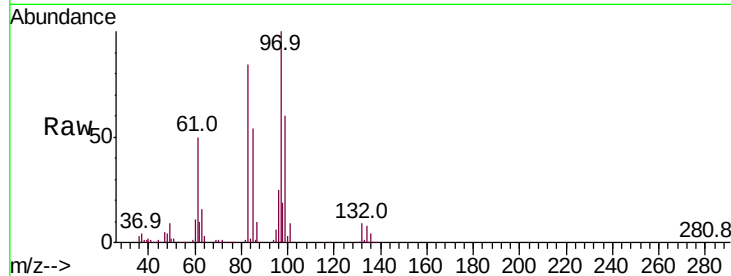
99 60.1 50.3 75.5

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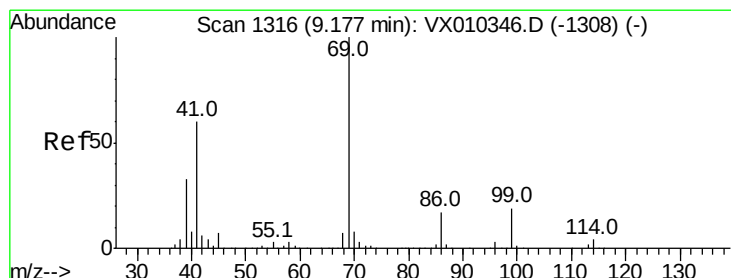
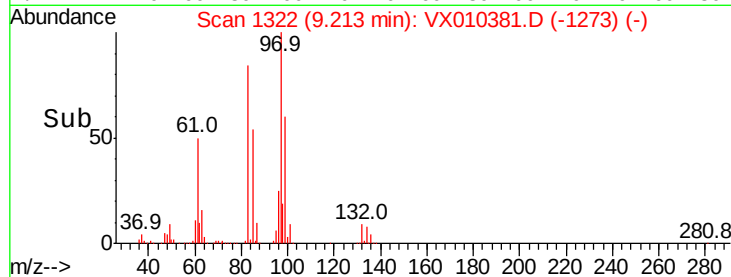
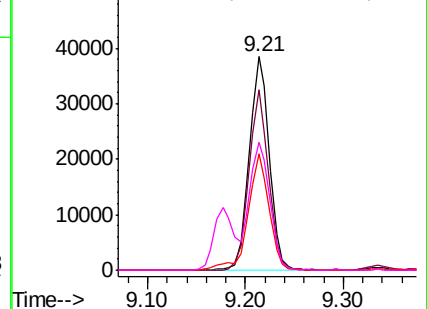


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.925 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

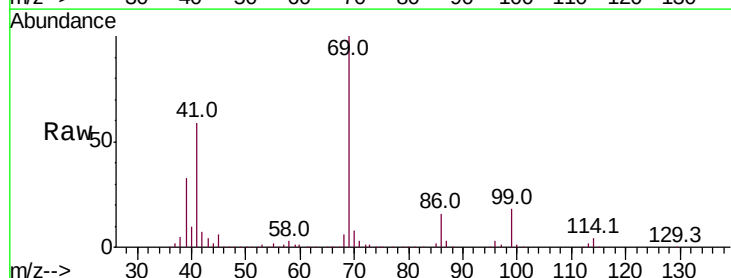
Tgt Ion: 69 Resp: 81480

Ion Ratio Lower Upper

69 100

41 58.5 47.1 70.7

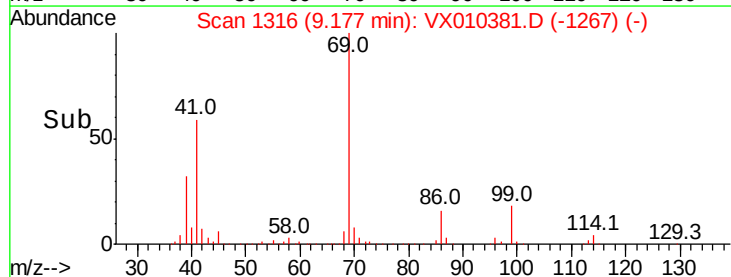
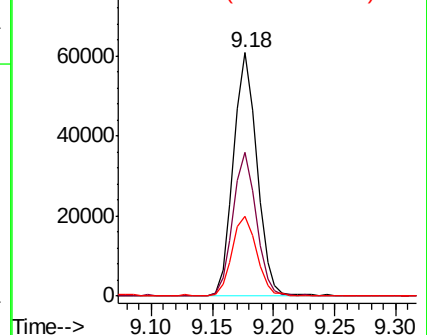
39 33.7 26.6 40.0

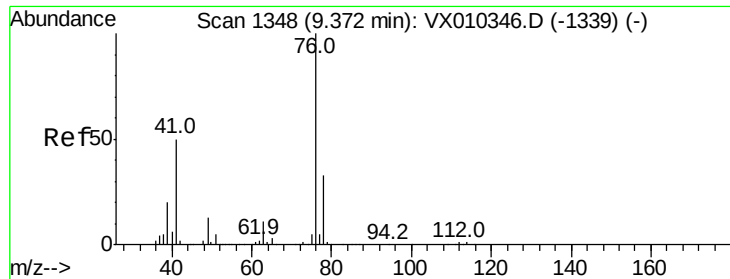


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





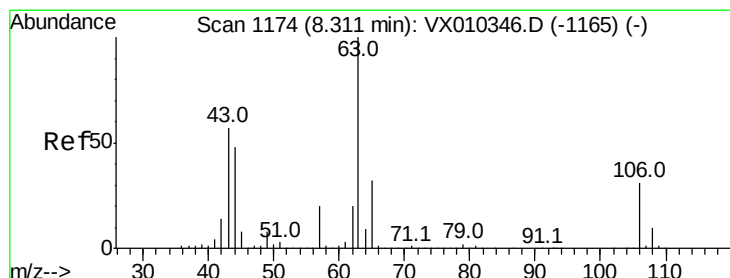
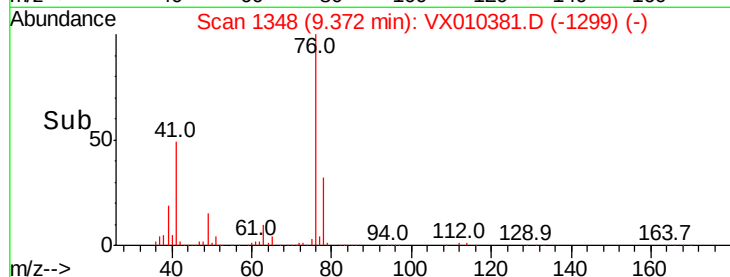
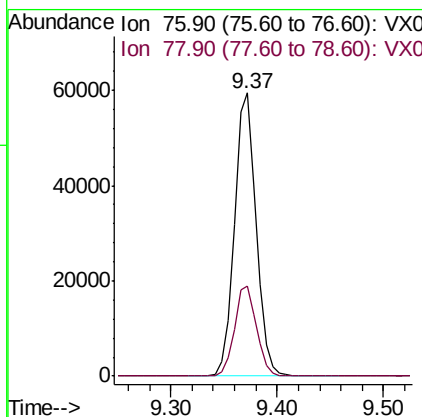
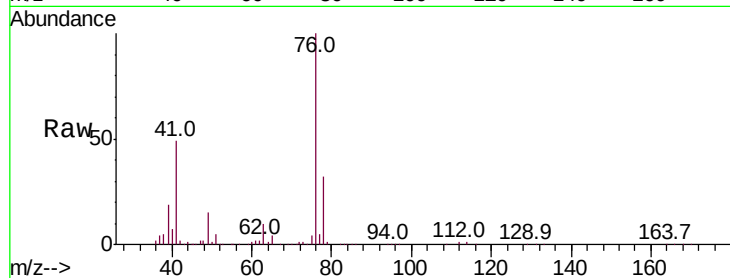
#57
 1,3-Dichloropropane
 Concen: 19.235 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Tot Ion: 76 Resp: 84862
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

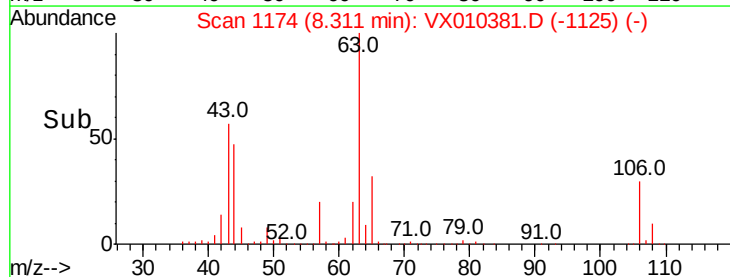
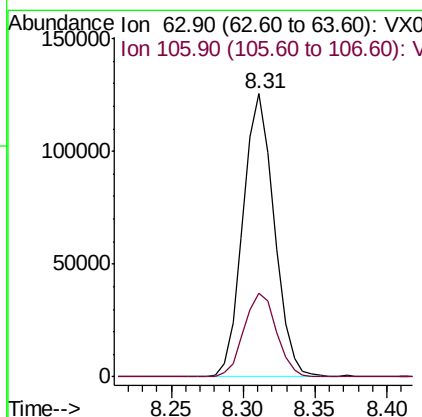
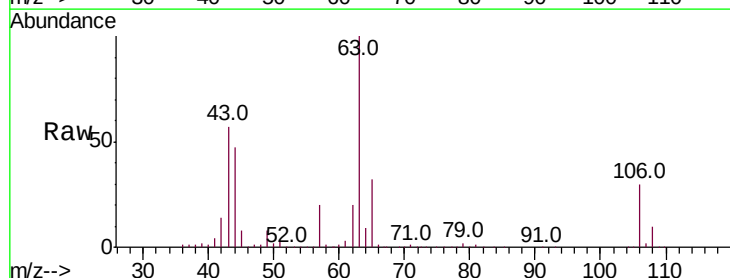
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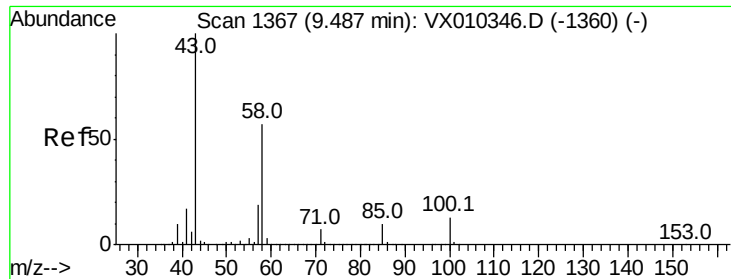
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.587 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion: 63 Resp: 189319
 Ion Ratio Lower Upper
 63 100
 106 30.9 24.7 37.1





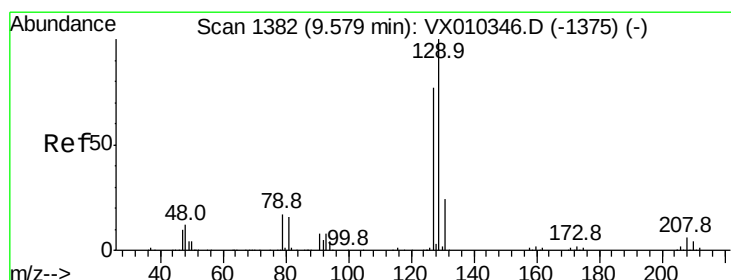
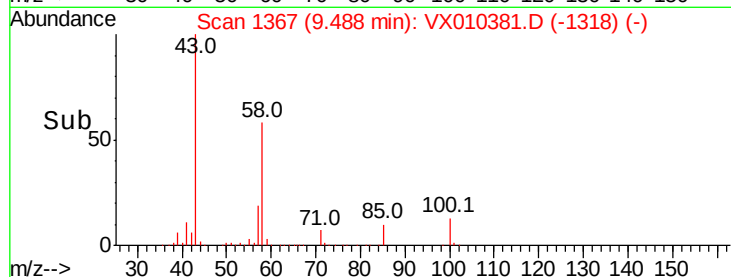
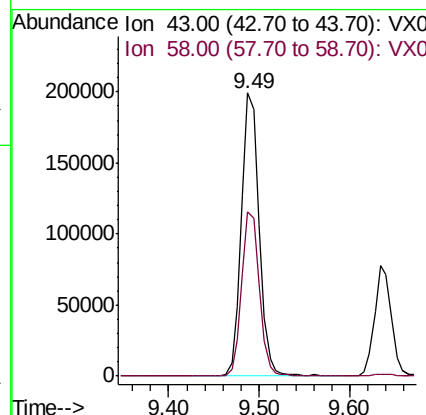
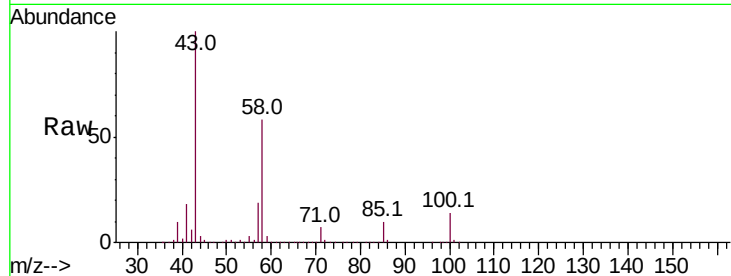
#59
2-Hexanone
Concen: 94.703 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion: 43 Resp: 272532
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.1

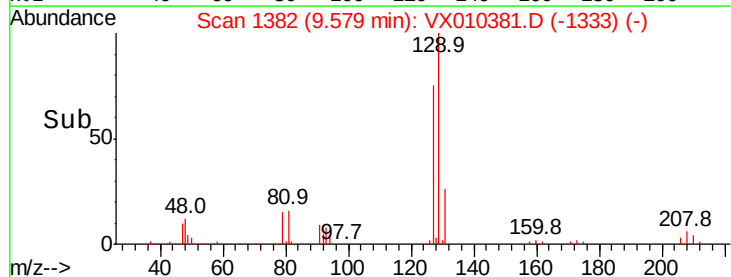
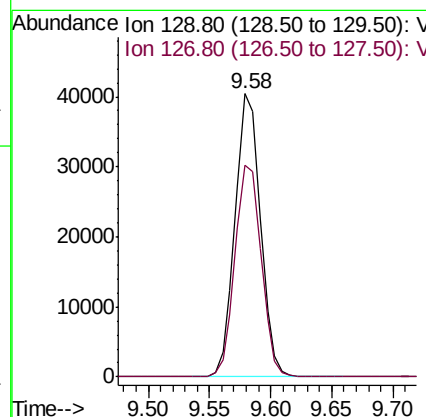
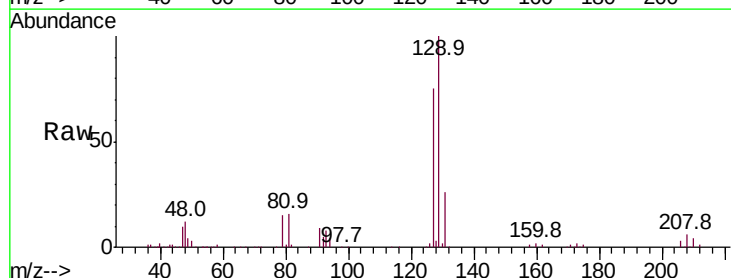
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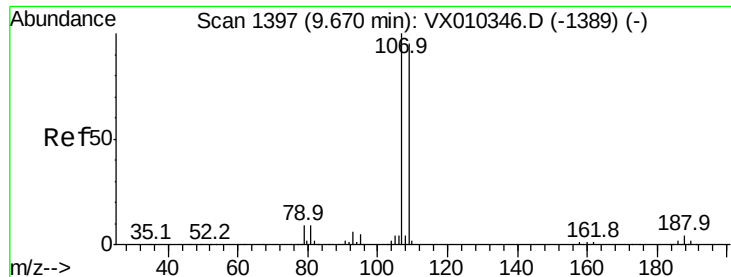
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#60
Dibromochloromethane
Concen: 18.217 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion: 129 Resp: 57972
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.897 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion:107 Resp: 57971

Ion Ratio Lower Upper

107 100

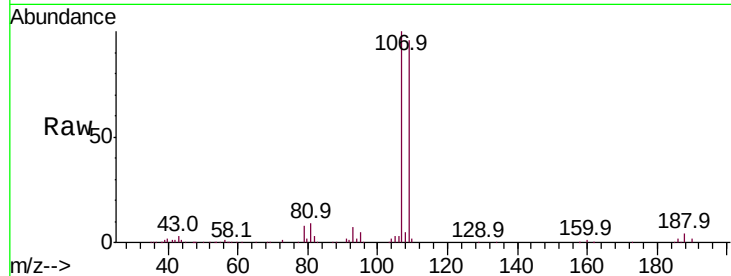
109 97.1 75.8 113.6

Manual Integrations

APPROVED

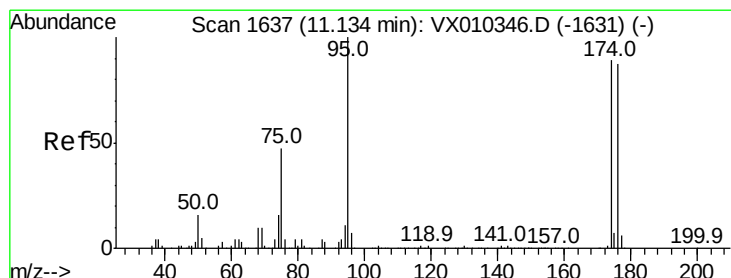
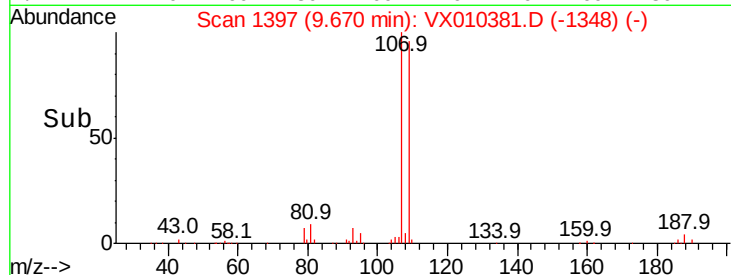
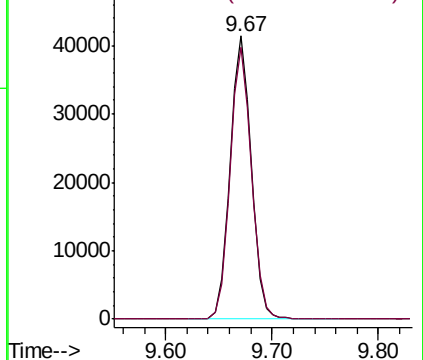
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.531 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

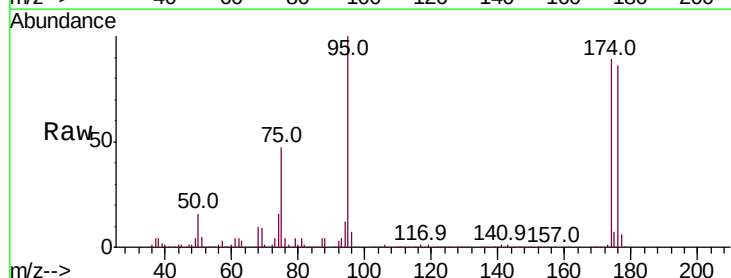
Tgt Ion: 95 Resp: 173355

Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.6

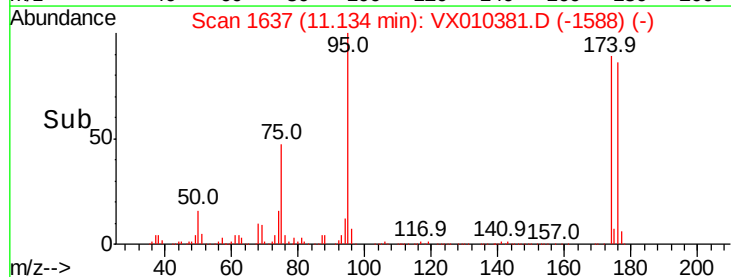
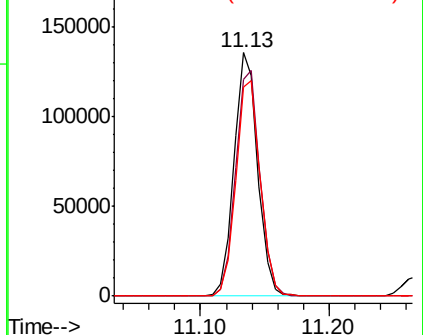
176 91.1 0.0 184.0

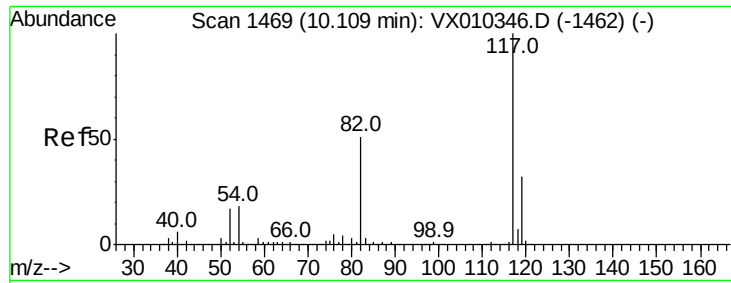


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





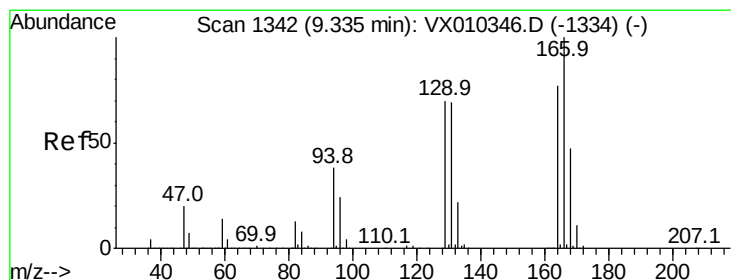
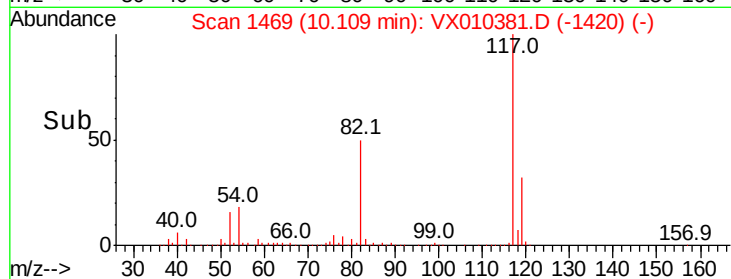
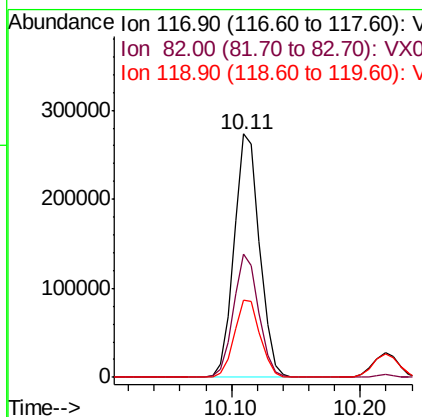
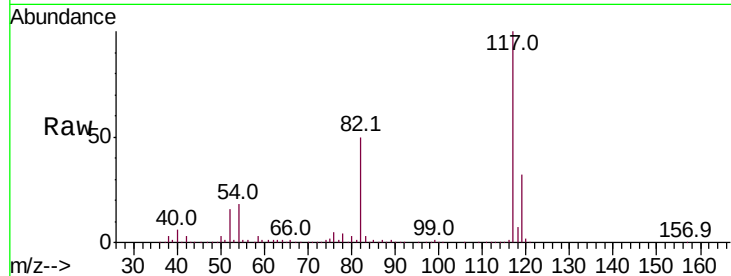
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	377295		
82	50.5	41.2	61.8	
119	31.6	25.5	38.3	

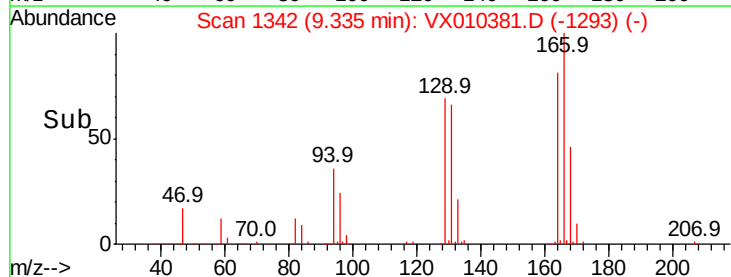
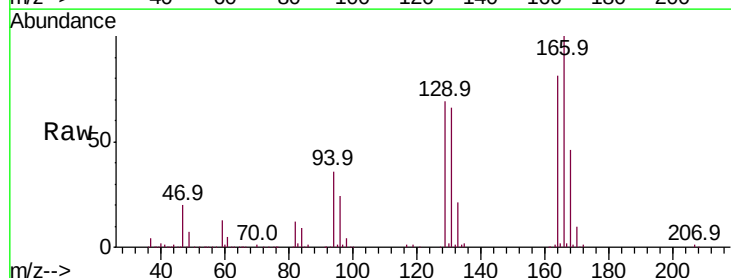
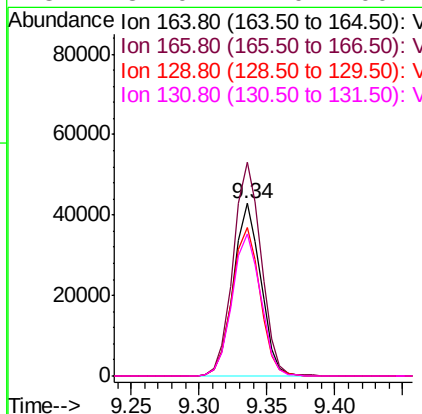
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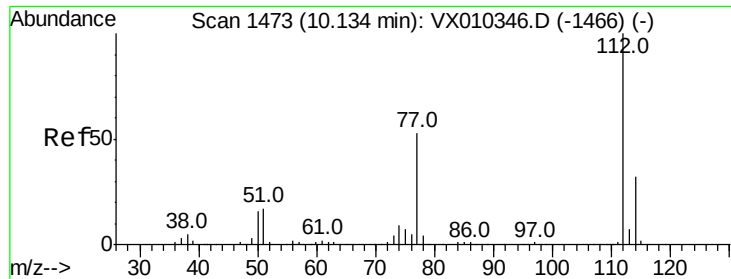
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#64
Tetrachloroethene
Concen: 19.688 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60081		
166	123.7	103.6	155.4	
129	85.7	73.0	109.4	
131	82.0	71.0	106.4	





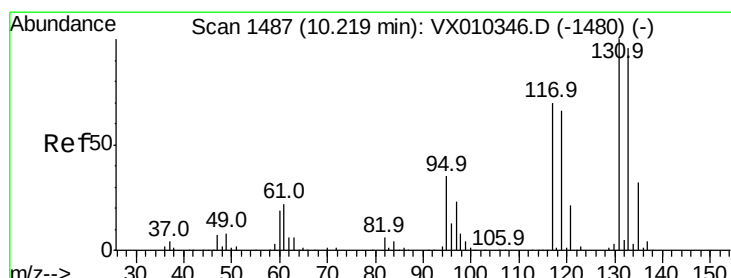
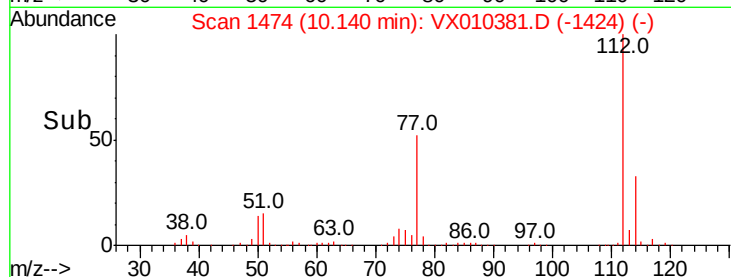
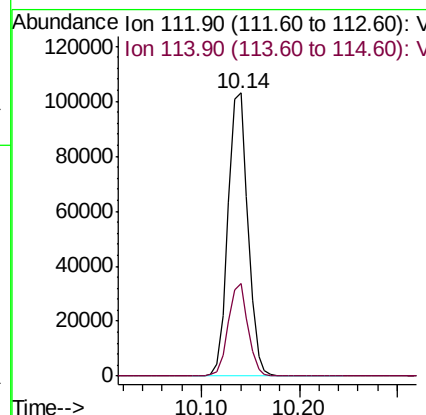
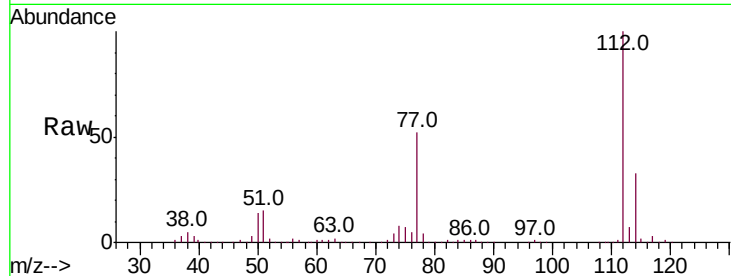
#65
Chlorobenzene
Concen: 19.069 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion:112 Resp: 146064
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2

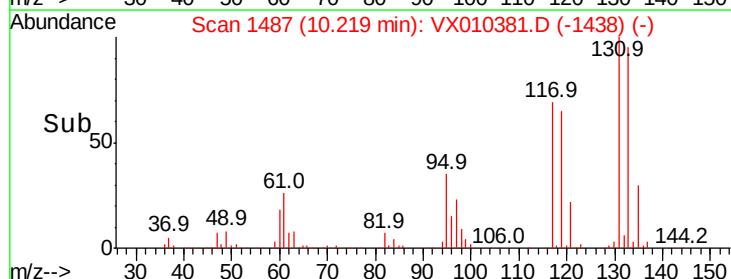
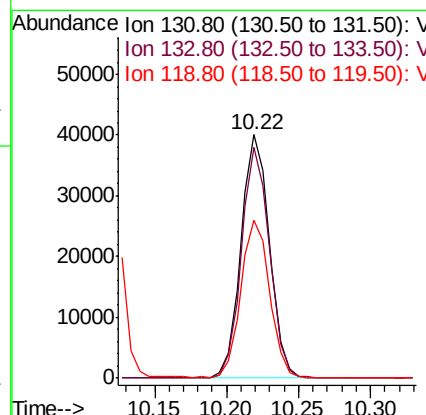
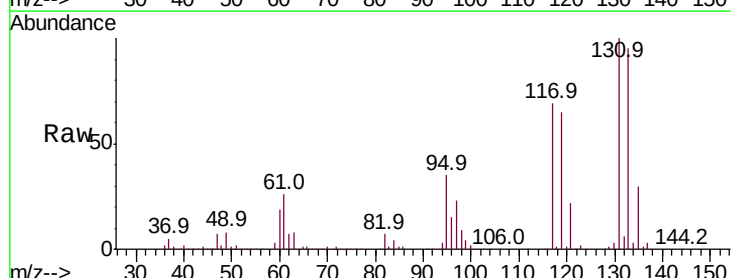
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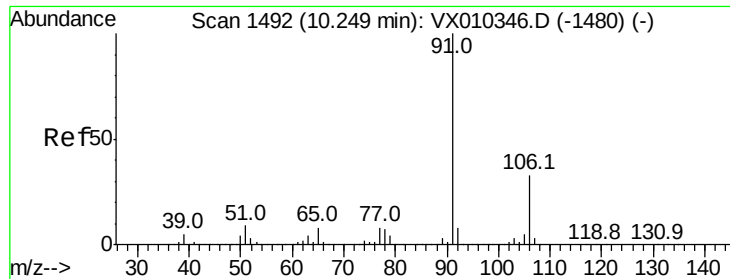
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.695 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion:131 Resp: 54952
Ion Ratio Lower Upper
131 100
133 93.7 47.7 143.1
119 66.3 32.6 97.7





#67

Ethyl Benzene

Concen: 19.160 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 91 Resp: 247760

Ion Ratio Lower Upper

91 100

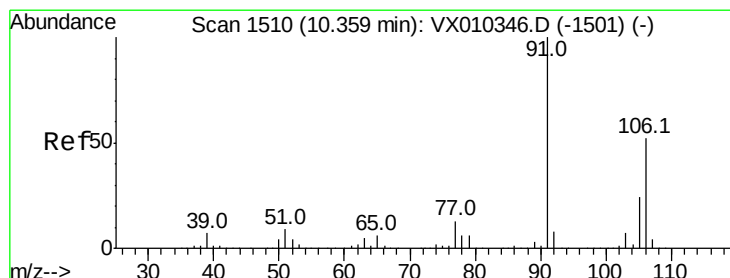
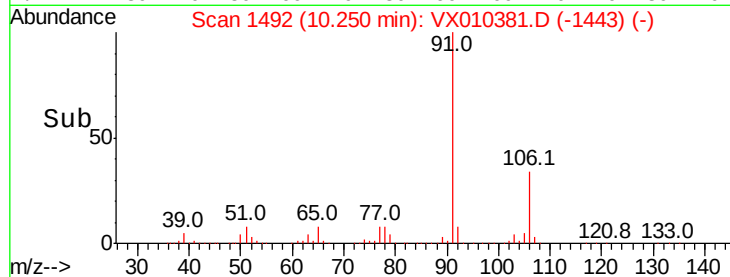
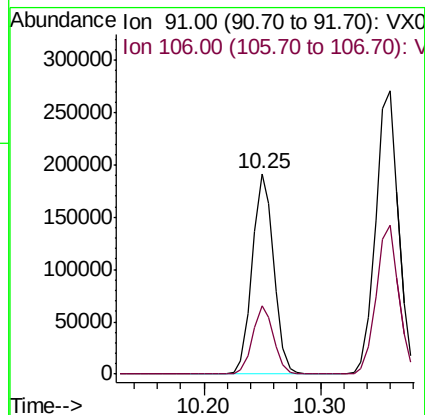
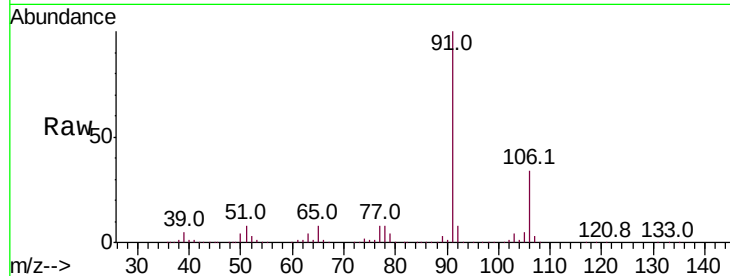
106 34.1 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.163 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010381.D

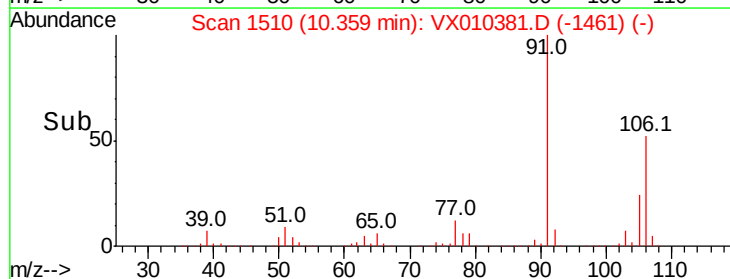
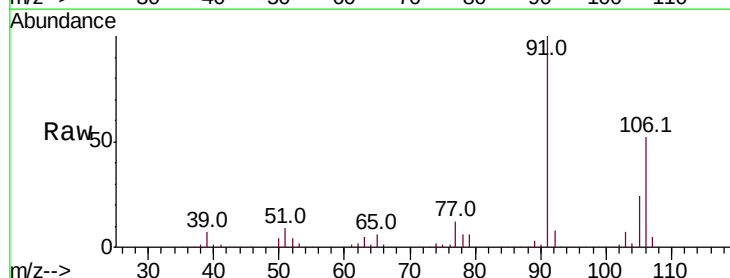
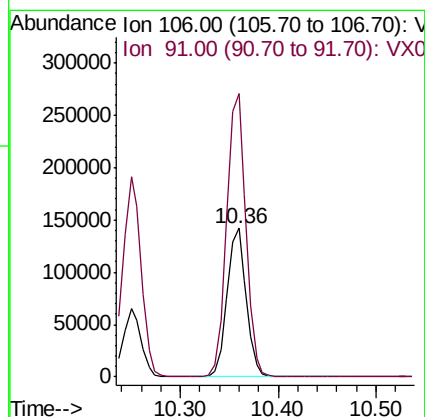
Acq: 21 Jun 2019 13:51

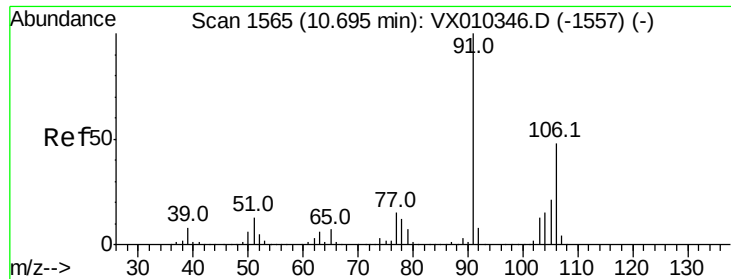
Tgt Ion: 106 Resp: 191219

Ion Ratio Lower Upper

106 100

91 192.6 155.3 232.9





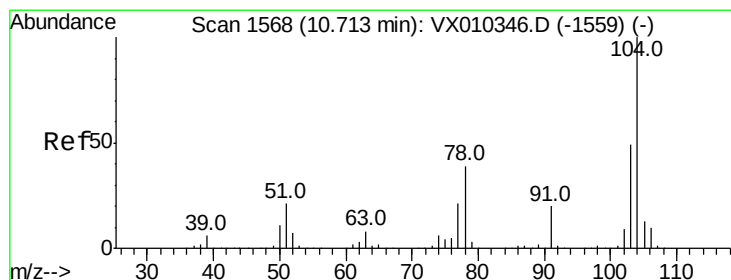
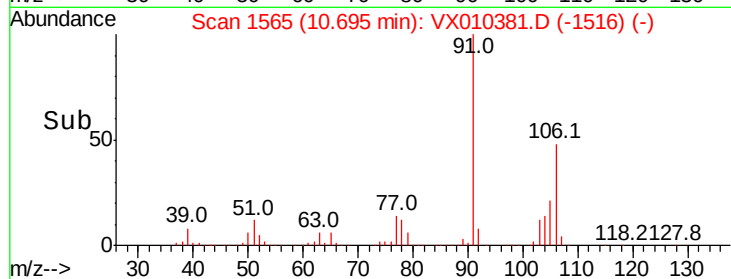
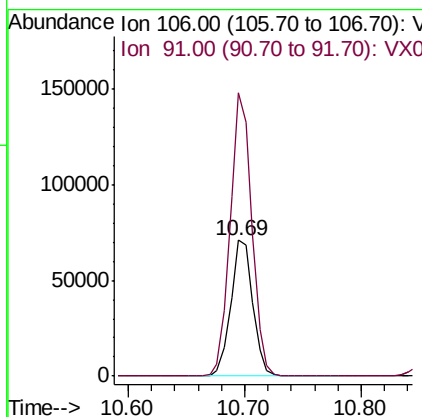
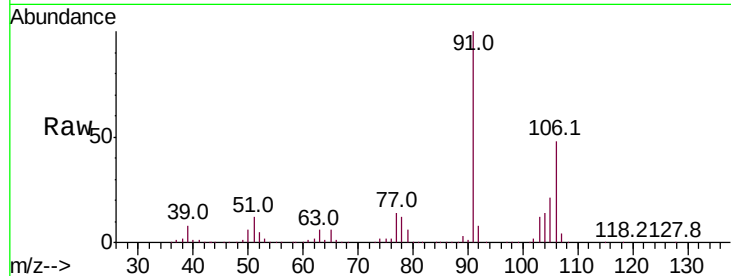
#69
o-Xylene
Concen: 18.985 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion:106 Resp: 93546
Ion Ratio Lower Upper
106 100
91 204.3 102.7 308.1

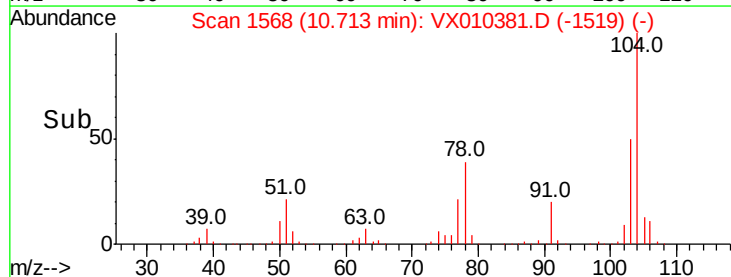
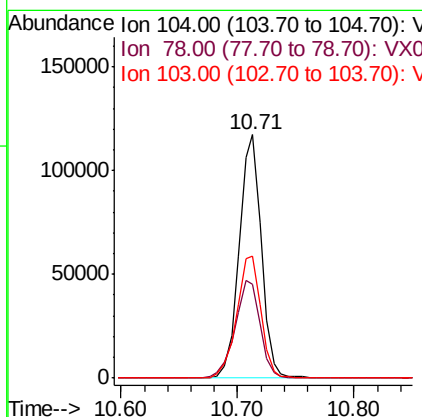
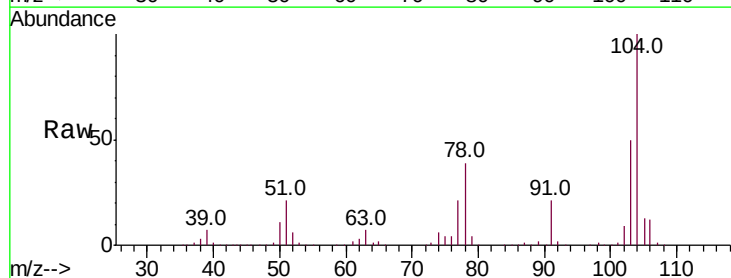
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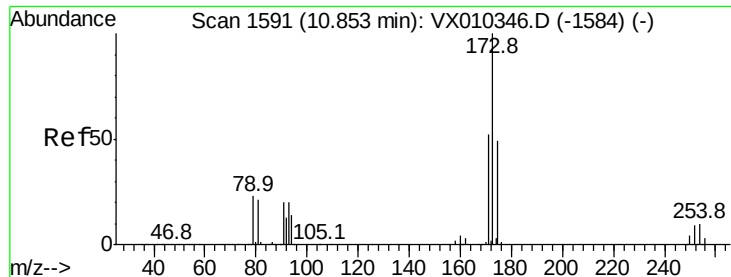
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#70
Styrene
Concen: 18.833 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion:104 Resp: 155624
Ion Ratio Lower Upper
104 100
78 45.4 36.2 54.2
103 55.2 44.2 66.4





#71

Bromoform

Concen: 18.253 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion:173 Resp: 44288

Ion Ratio Lower Upper

173 100

175 51.0 24.1 72.3

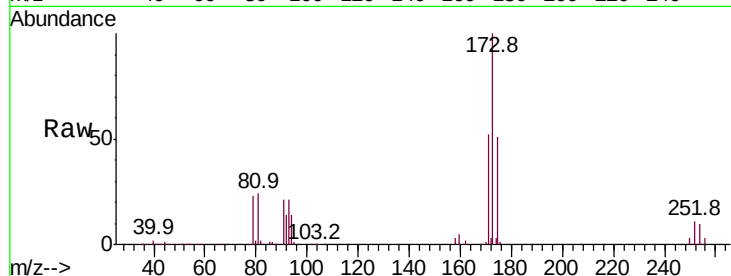
254 0.2 0.2 0.2

Manual Integrations

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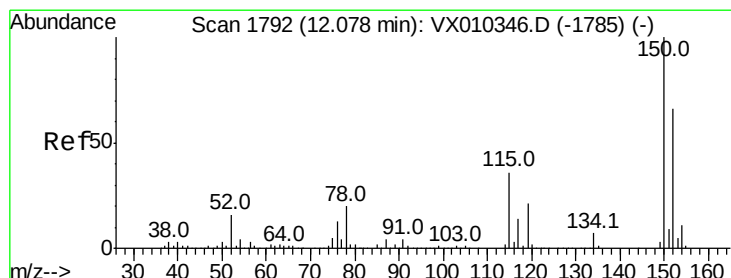
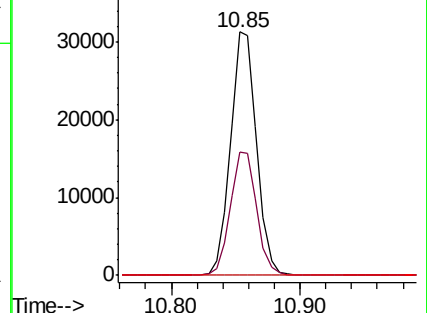
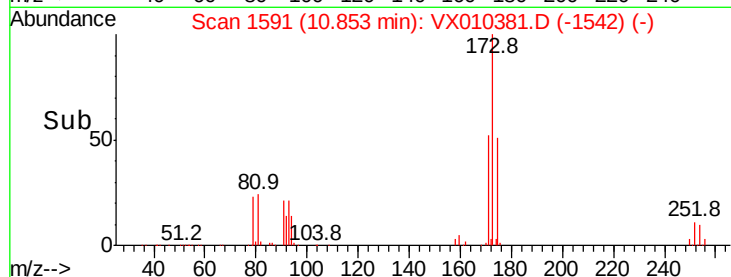
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

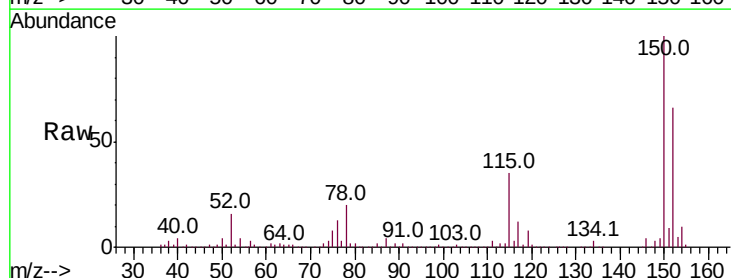
Tgt Ion:152 Resp: 186194

Ion Ratio Lower Upper

152 100

115 61.9 38.6 115.7

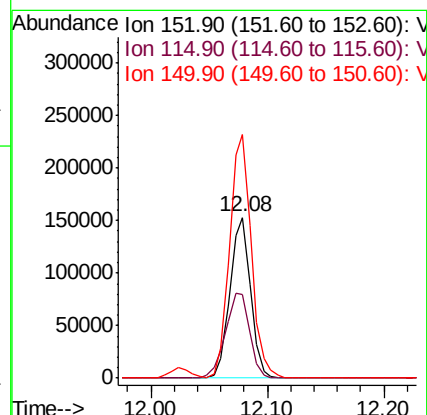
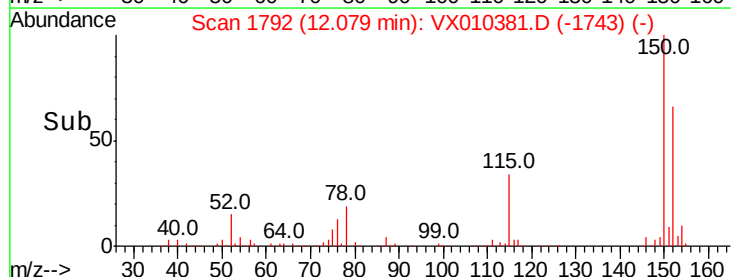
150 159.9 0.0 347.4

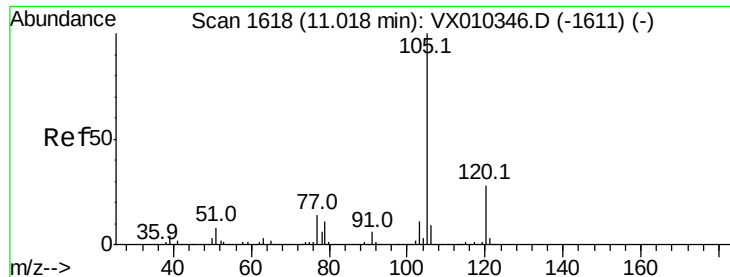


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.596 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion:105 Resp: 247335

Ion Ratio Lower Upper

105 100

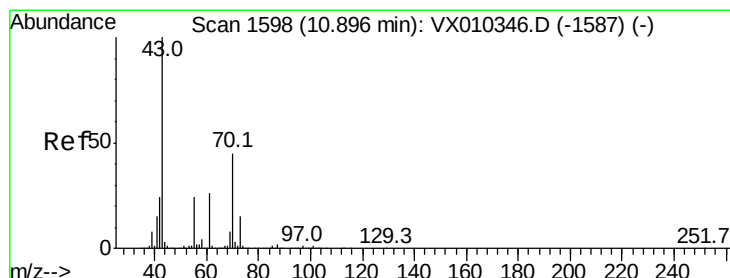
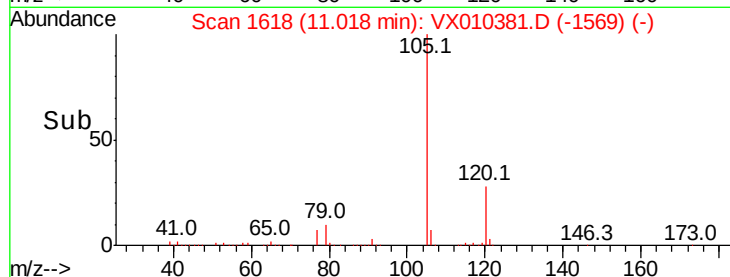
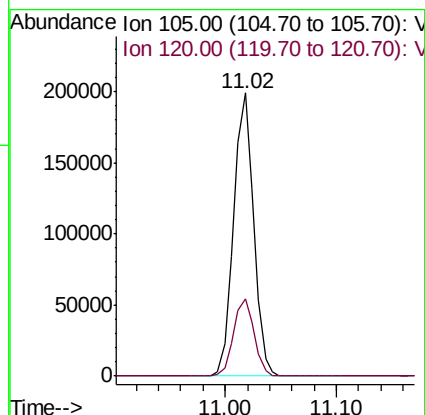
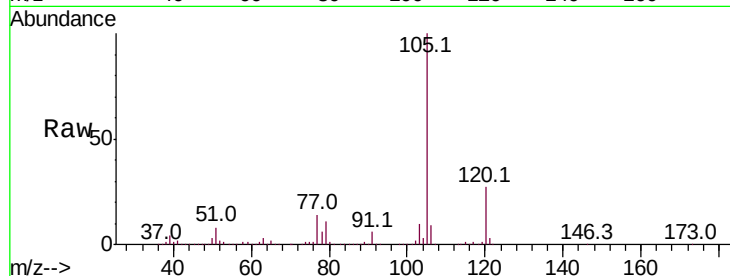
120 28.1 14.1 42.4

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#74

N-ethyl acetate

Concen: 19.920 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Tgt Ion: 43 Resp: 95019

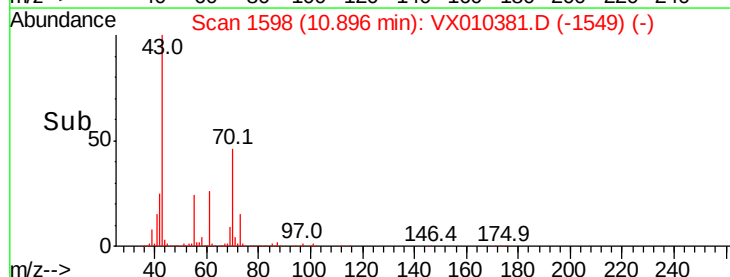
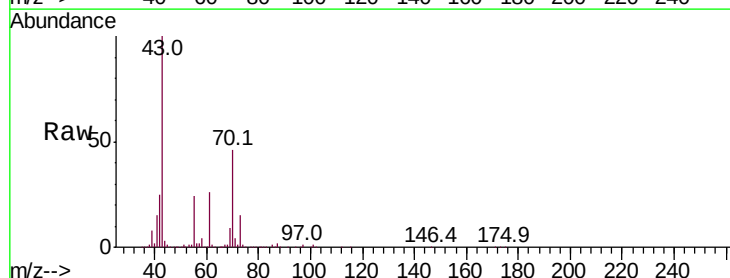
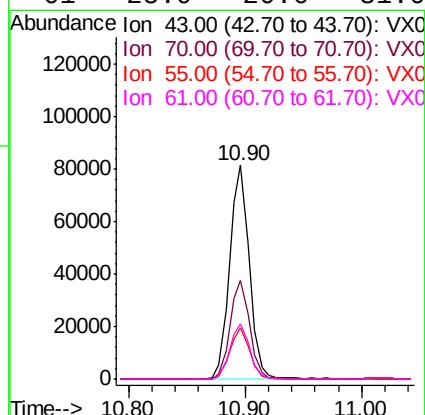
Ion Ratio Lower Upper

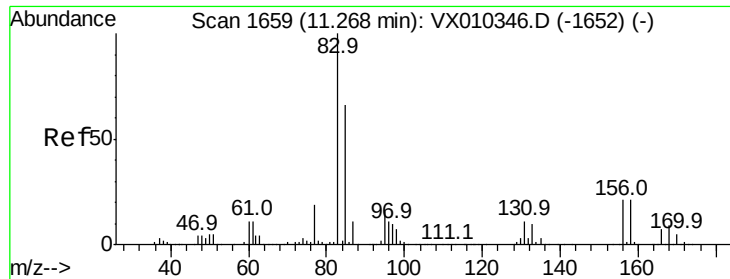
43 100

70 46.0 36.6 54.8

55 24.4 18.7 28.1

61 25.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.354 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

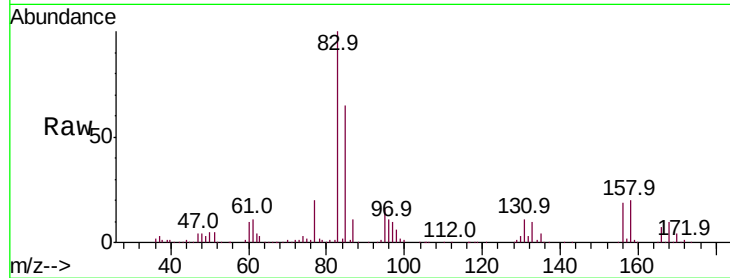
ClientSampleId :

VX0621WBSD01

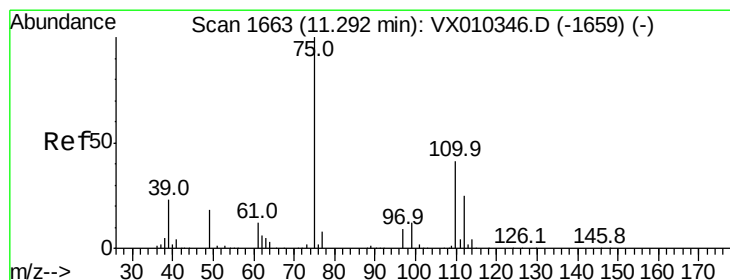
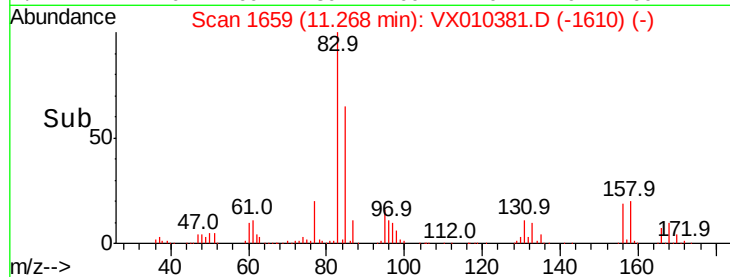
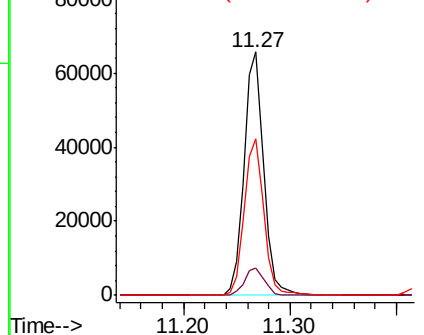
Tot Ion:	83	Resp:	85078
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	64.5	32.3	96.8

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



#76

1,2,3-Trichloropropane

Concen: 19.930 ug/l m

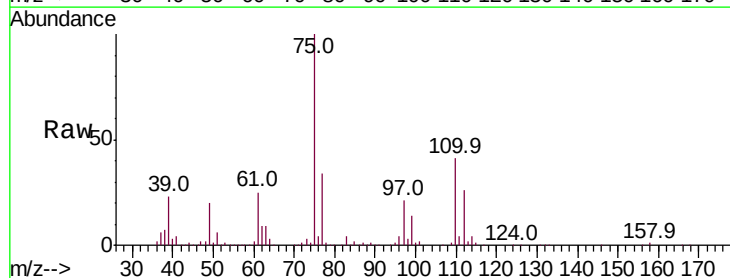
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

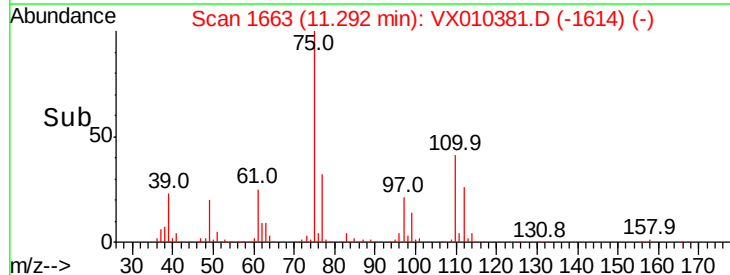
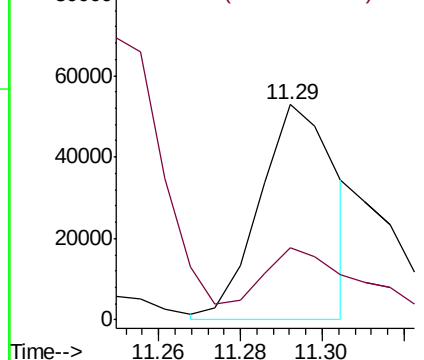
Lab File: VX010381.D

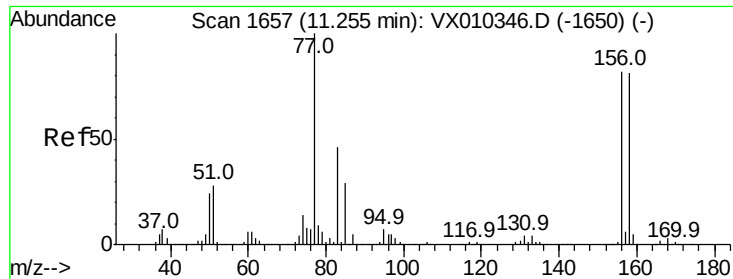
Acq: 21 Jun 2019 13:51

Tgt Ion:	75	Resp:	67621
Ion Ratio	Lower	Upper	
75	100		
77	44.8	22.6	67.8



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





#77

Bromobenzene

Concen: 19.324 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion:156 Resp: 68103

Ion Ratio Lower Upper

156 100

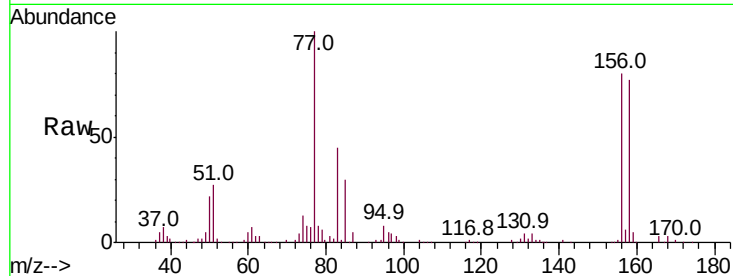
77 133.2 66.3 198.7

158 97.1 48.9 146.7

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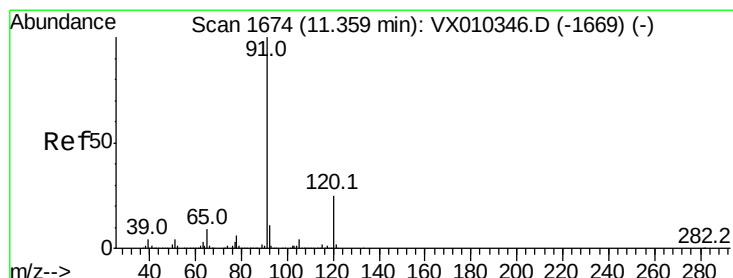
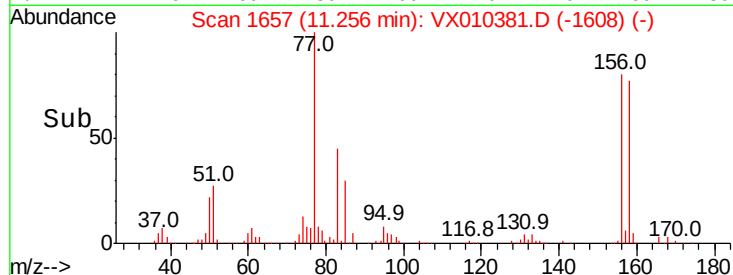
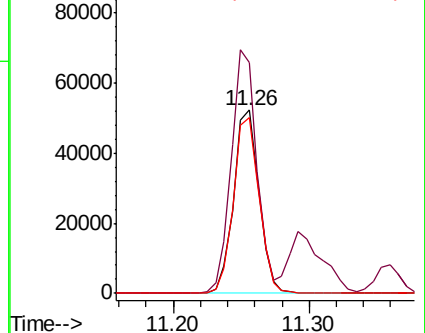
6/24/2019 11:23:08 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.610 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010381.D

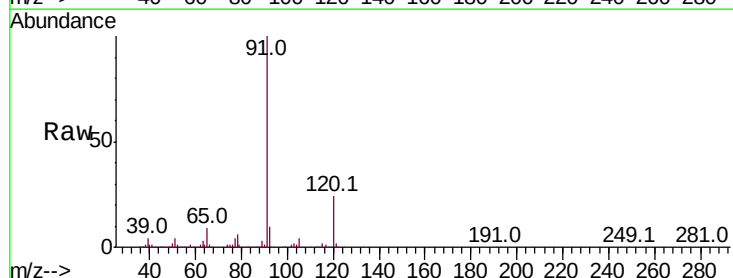
Acq: 21 Jun 2019 13:51

Tgt Ion: 91 Resp: 272022

Ion Ratio Lower Upper

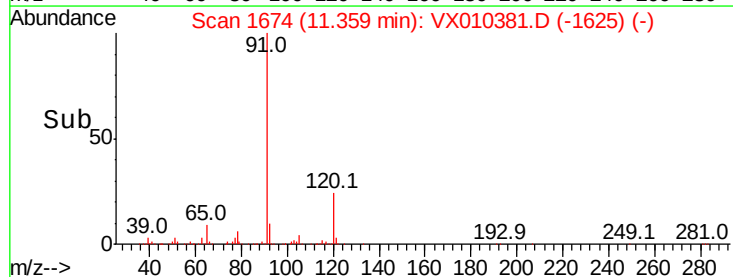
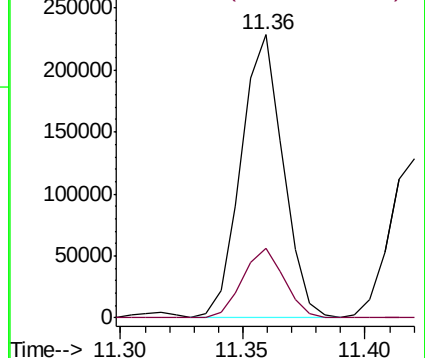
91 100

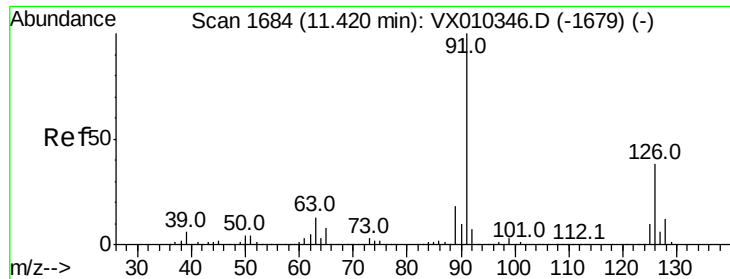
120 24.6 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.506 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion: 91 Resp: 161122

Ion Ratio Lower Upper

91 100

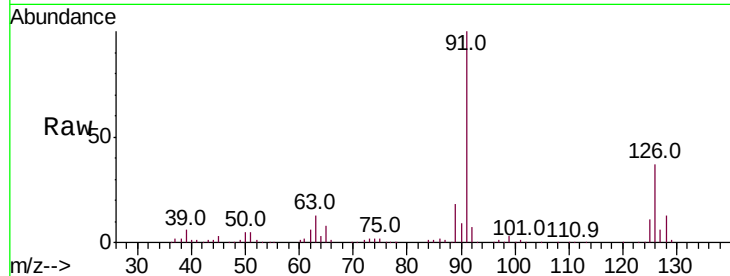
126 37.6 18.7 56.1

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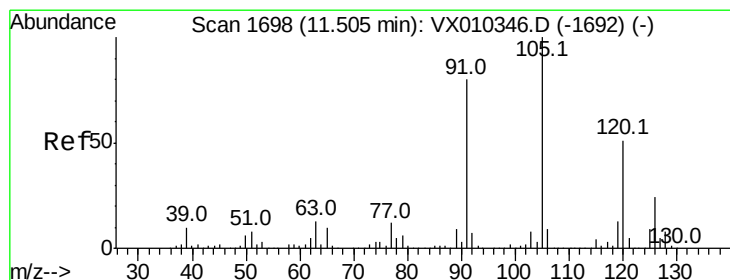
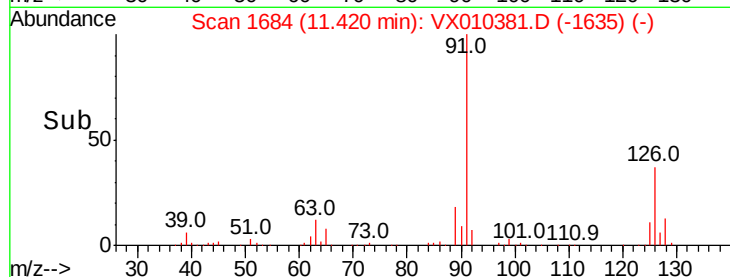
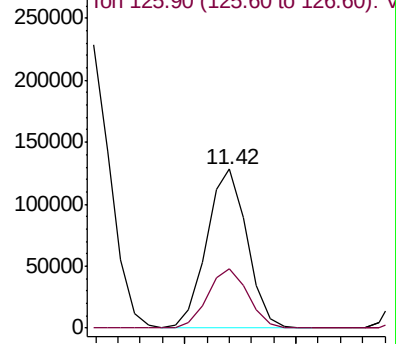
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Abundance Ion 91.00 (90.70 to 91.70): VX010381.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.772 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010381.D

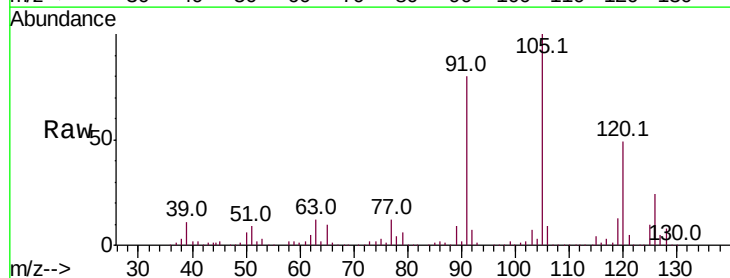
Acq: 21 Jun 2019 13:51

Tgt Ion: 105 Resp: 205727

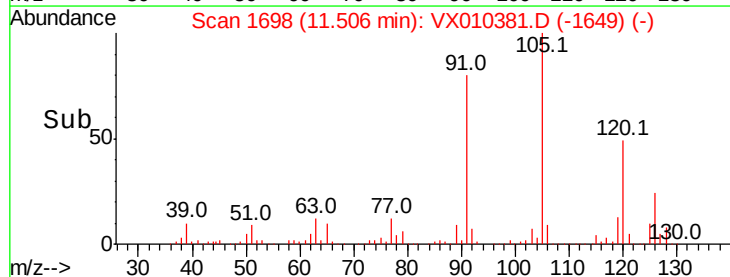
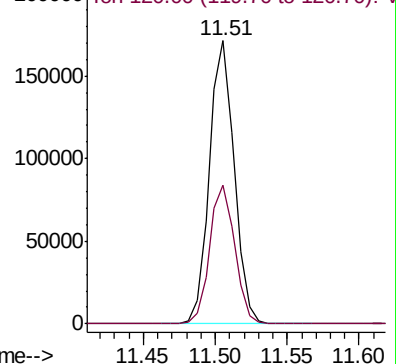
Ion Ratio Lower Upper

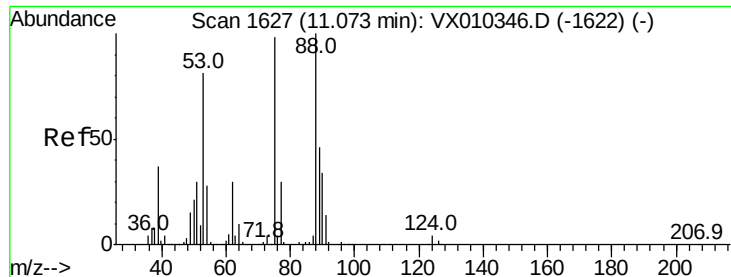
105 100

120 49.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010381.D (-1649) (-)





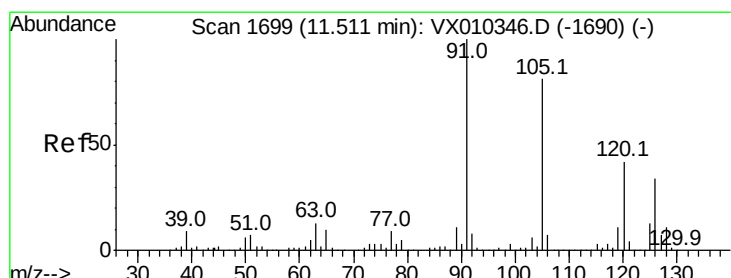
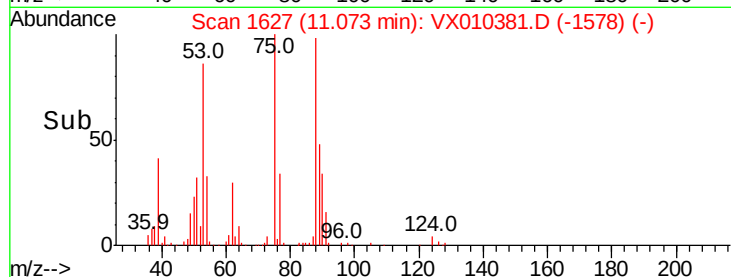
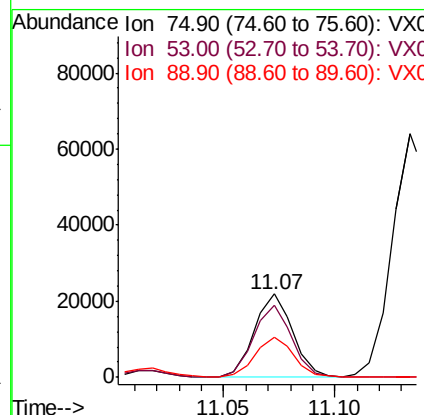
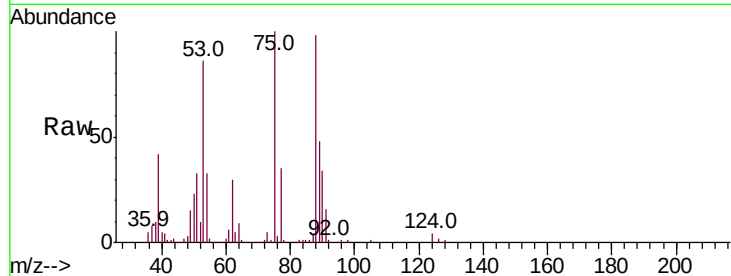
#81
trans-1,4-Dichloro-2-butene
Concen: 18.063 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.6	66.1	99.1
89	49.0	37.8	56.6

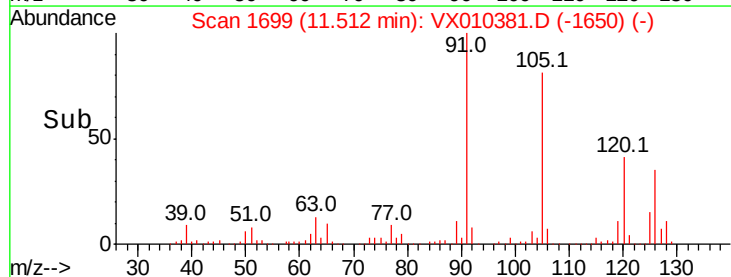
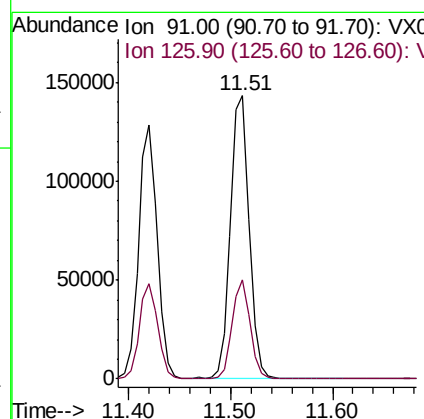
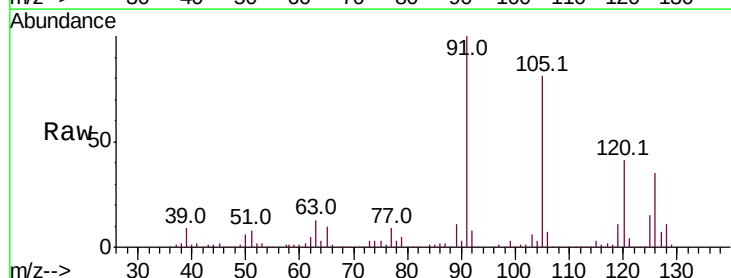
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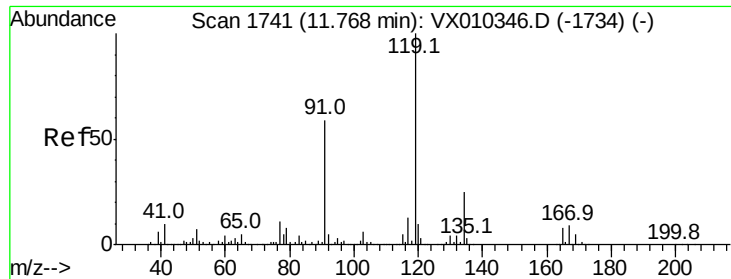
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#82
4-Chlorotoluene
Concen: 19.253 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.2	48.6





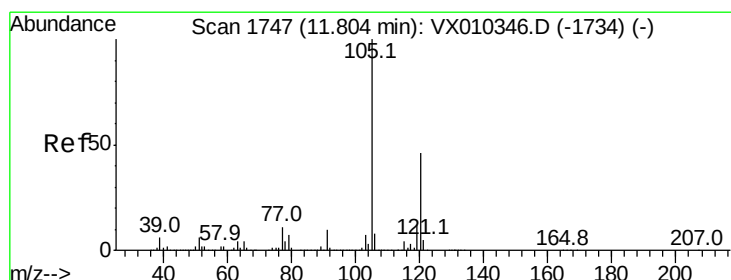
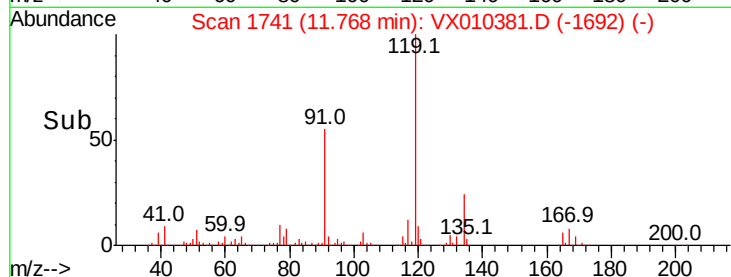
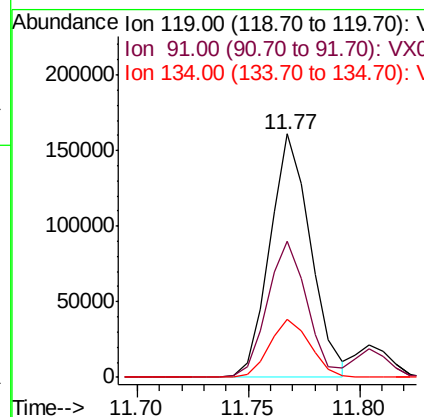
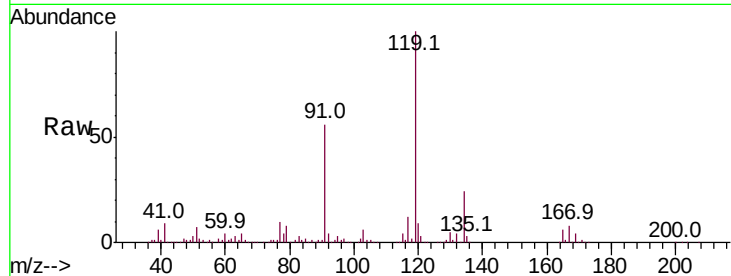
#83
tert-Butylbenzene
Concen: 19.529 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	203953		
91	54.7		27.6	82.7
134	23.9		11.8	35.4

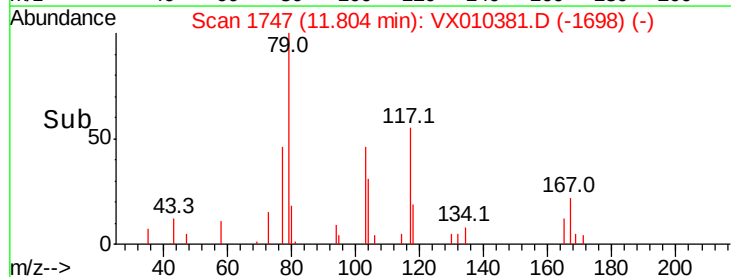
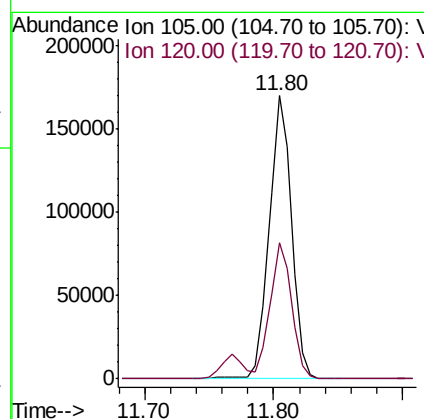
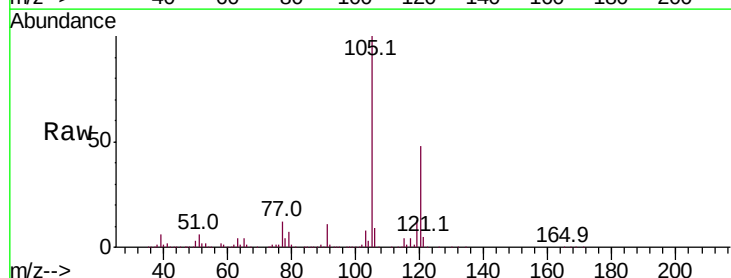
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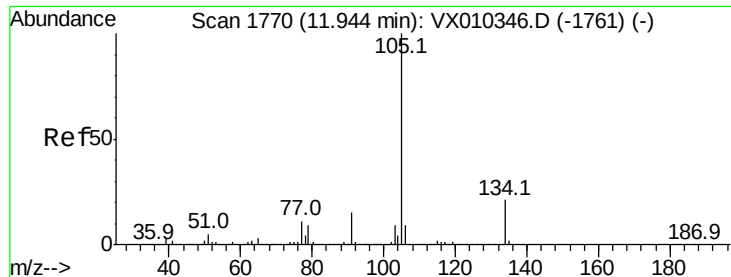
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#84
1,2,4-Trimethylbenzene
Concen: 19.610 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204999		
120	46.3		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.450 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

VX0621WBSD01

Tot Ion:105 Resp: 238497

Ion Ratio Lower Upper

105 100

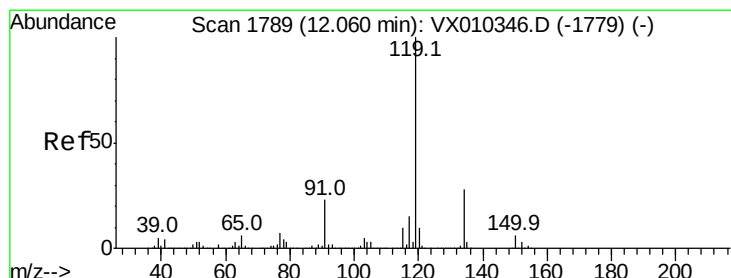
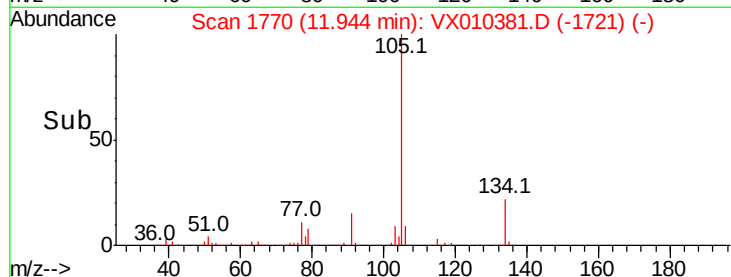
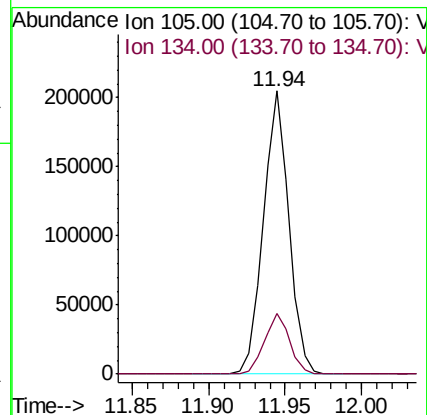
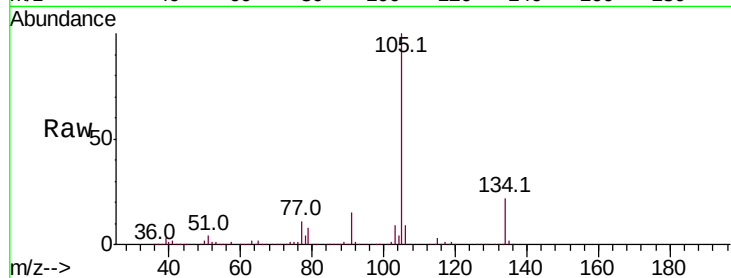
134 21.3 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.254 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

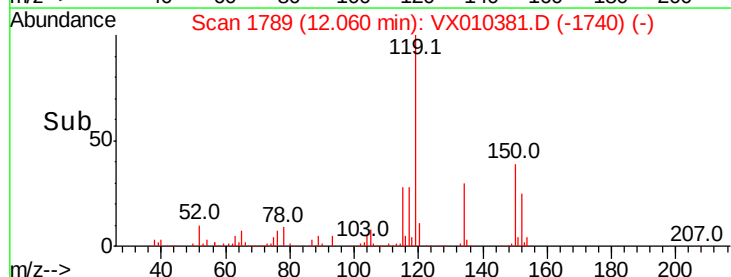
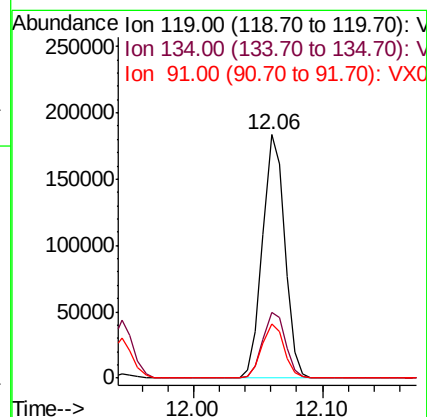
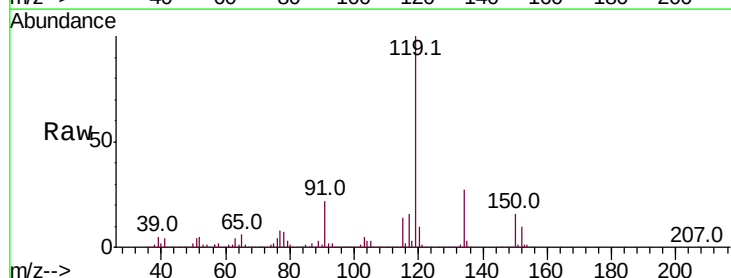
Tgt Ion:119 Resp: 218374

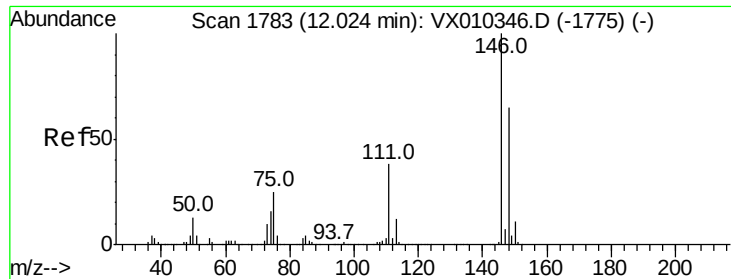
Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 22.3 11.3 33.8





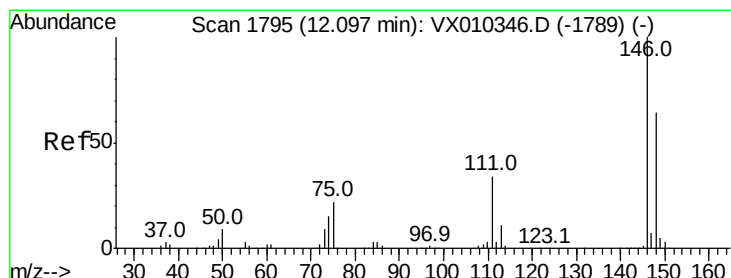
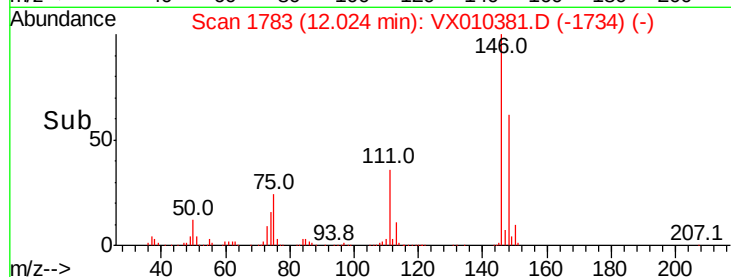
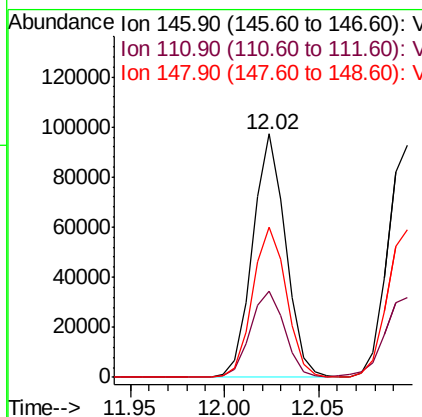
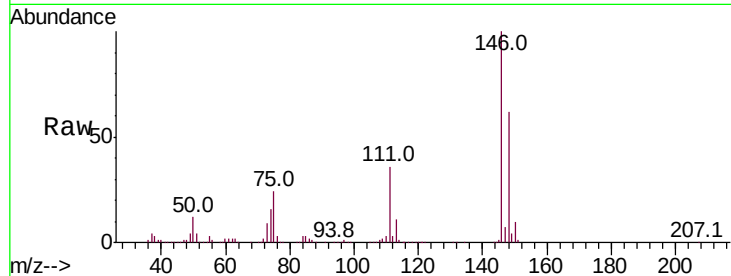
#87
 1,3-Dichlorobenzene
 Concen: 19.096 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.1
148	63.4	32.5	97.4

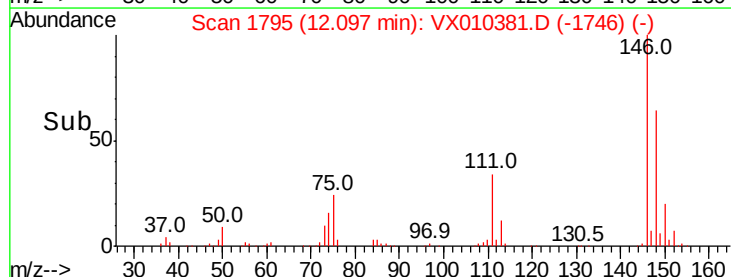
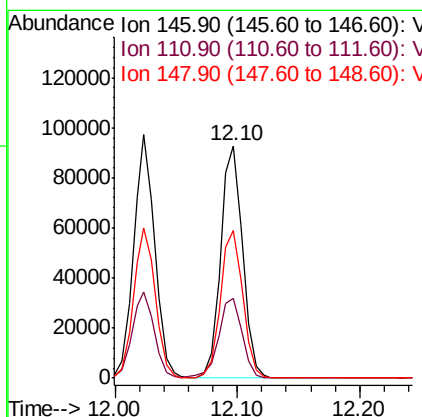
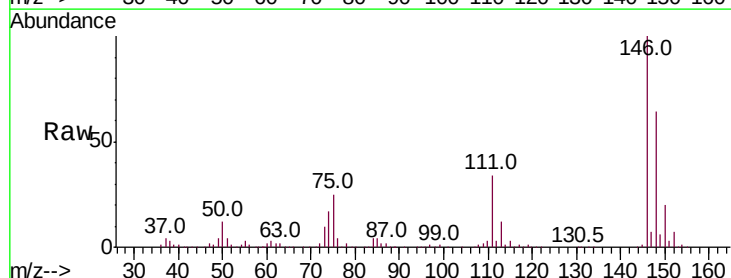
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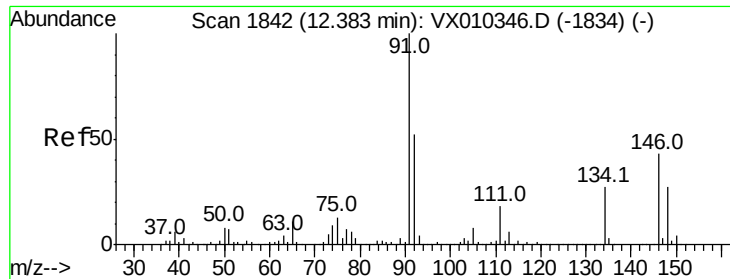
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#88
 1,4-Dichlorobenzene
 Concen: 18.451 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.3
148	64.9	32.1	96.3





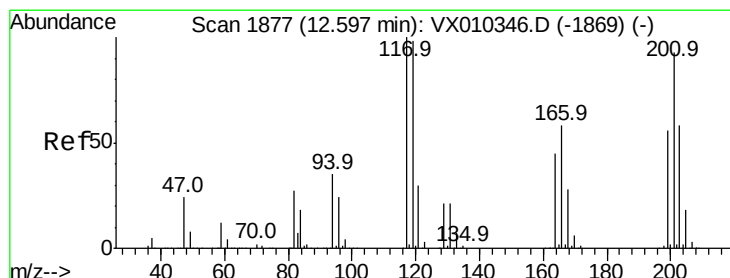
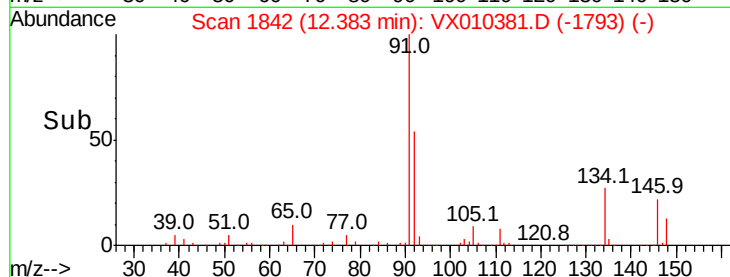
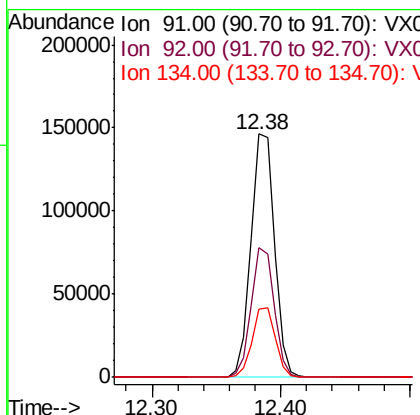
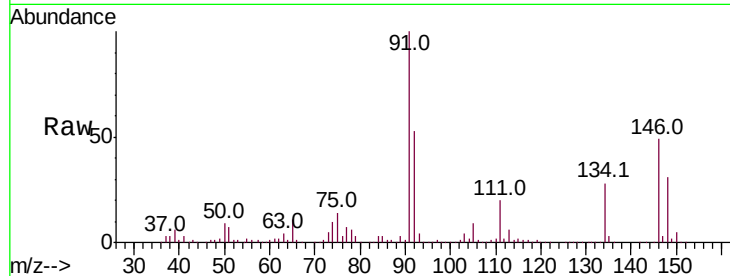
#89
n-Butylbenzene
Concen: 18.931 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Instrument :
MSVOA_X
ClientSampleId :
VX0621WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	28.0	14.1	42.4

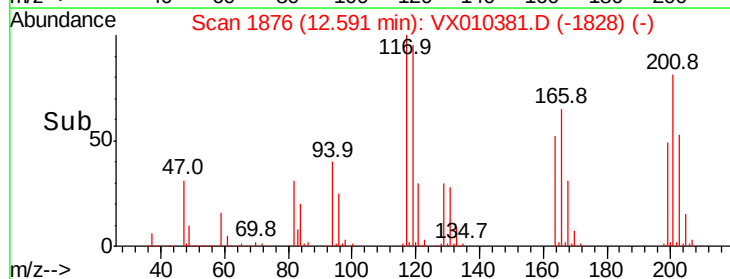
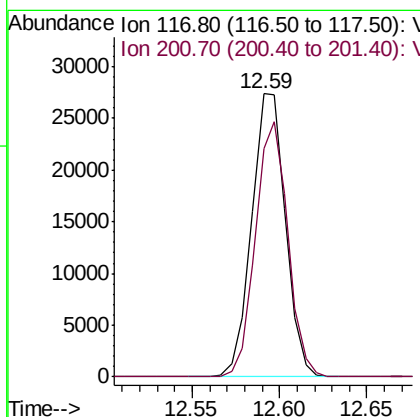
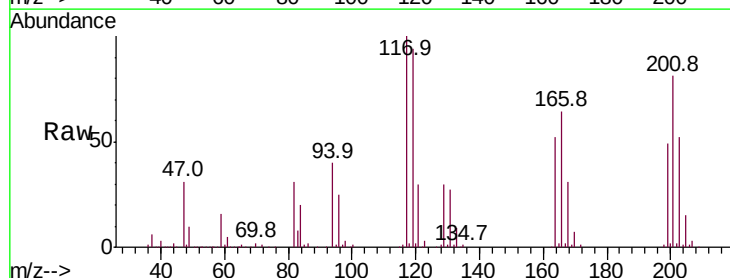
Manual Integrations
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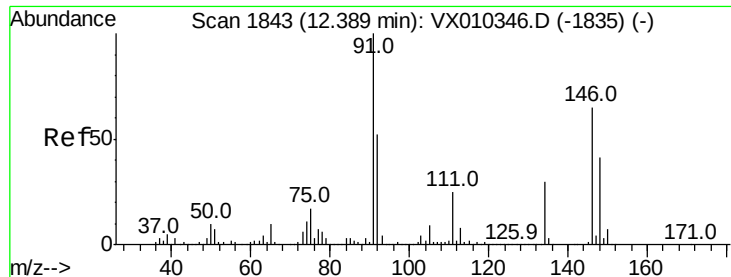
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#90
Hexachloroethane
Concen: 18.918 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010381.D
Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	44.0	131.8





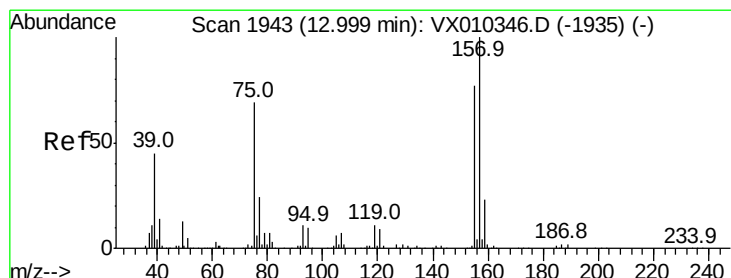
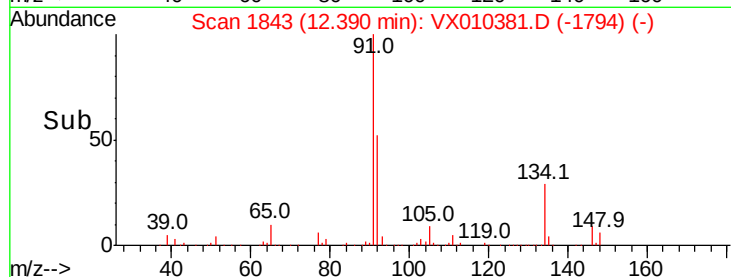
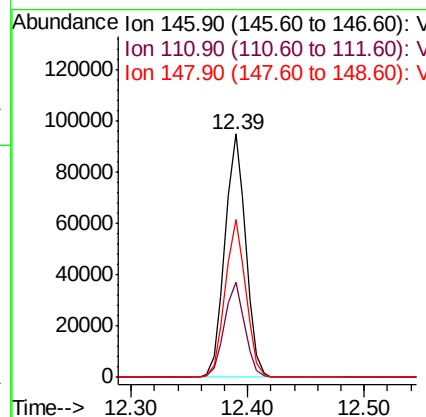
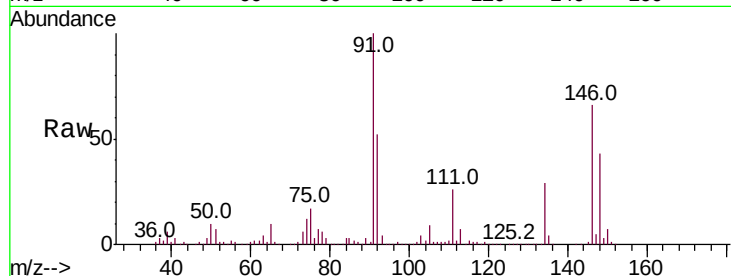
#91
 1,2-Dichlorobenzene
 Concen: 19.155 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	117118		
111	37.9	19.2	57.6	
148	64.2	32.0	96.0	

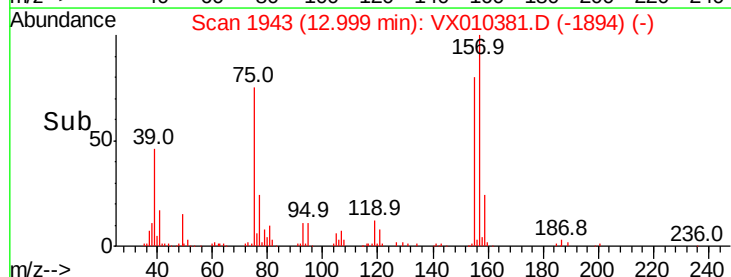
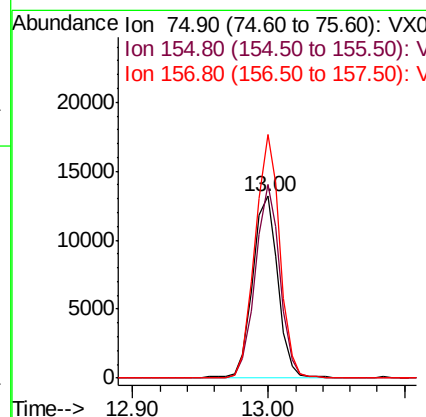
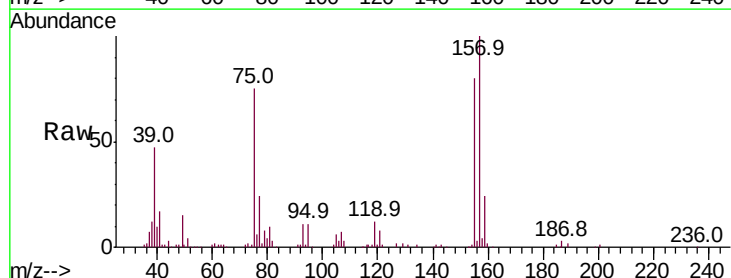
Manual Integrations
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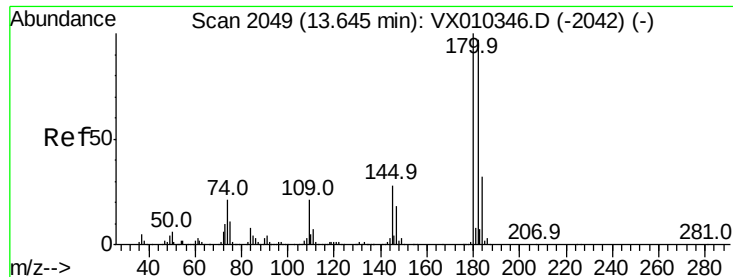
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 6/24/2019 11:23:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.026 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17147		
155	104.0	54.4	163.1	
157	131.6	69.5	208.3	





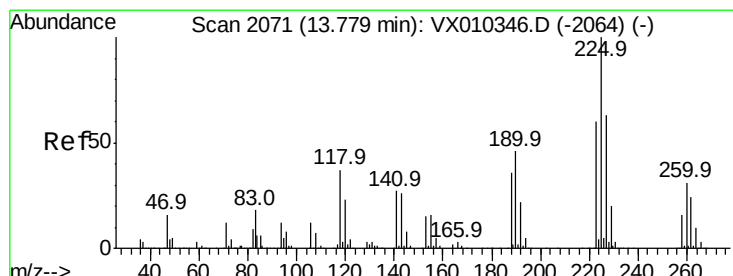
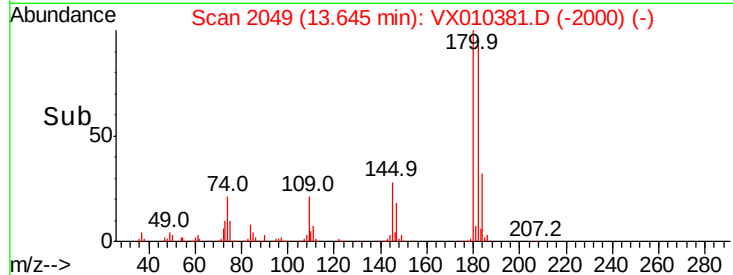
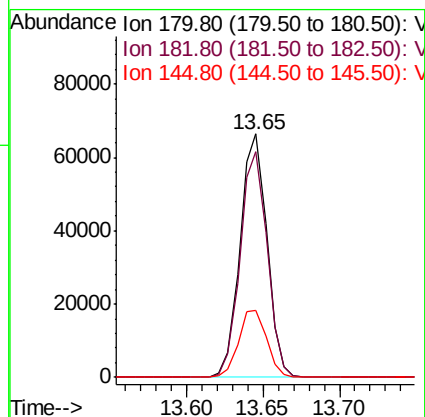
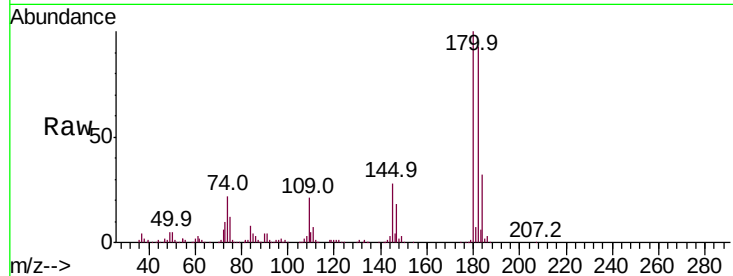
#93
 1,2,4-Trichlorobenzene
 Concen: 19.033 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0621WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	48.0	144.0	
145	28.7	14.4	43.4	

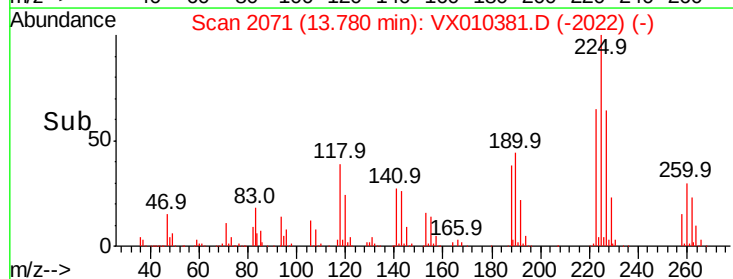
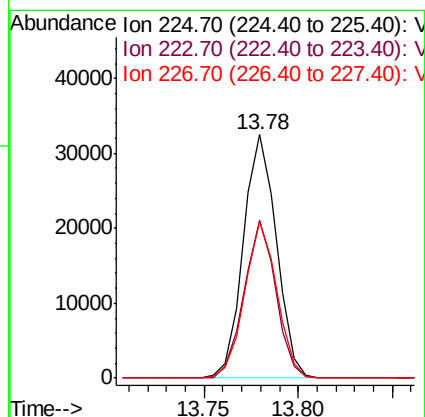
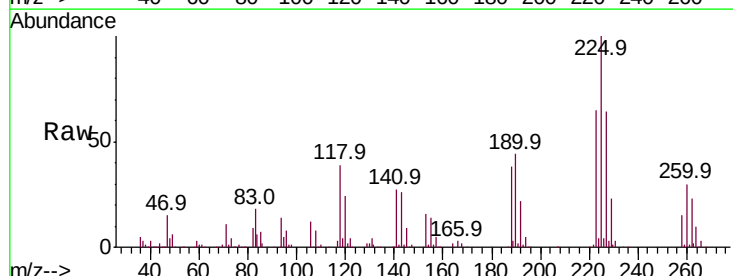
Manual Integrations
 APPROVED

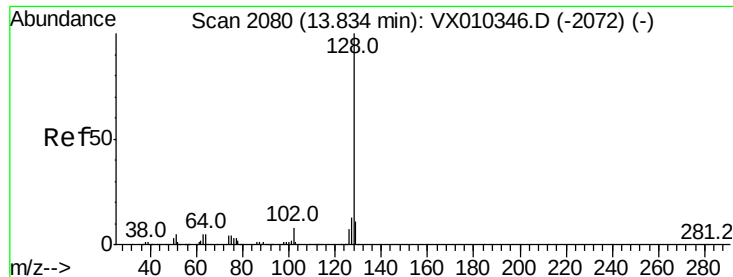
MMDadoda
 6/24/2019 11:23:08 AM



#94
 Hexachlorobutadiene
 Concen: 19.067 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010381.D
 Acq: 21 Jun 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	30.9	92.7	
227	62.8	31.9	95.5	





#95

Naphthalene

Concen: 19.401 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Instrument :

MSVOA_X

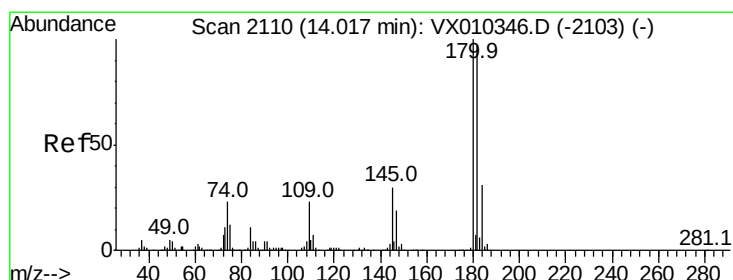
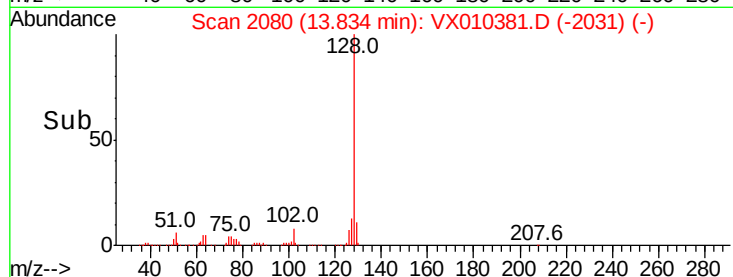
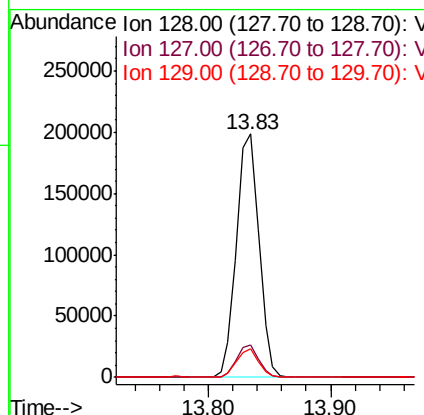
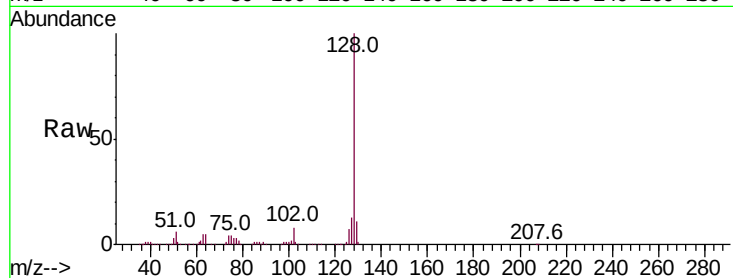
ClientSampleId :

VX0621WBSD01

Tot Ion:	128	Resp:	252795
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/24/2019 11:23:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.818 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010381.D

Acq: 21 Jun 2019 13:51

Tgt Ion:	180	Resp:	79332
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.8	143.3
145	31.1	15.2	45.6

