

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009746.D
 Acq On : 21 May 2019 14:37
 Operator : JC/SP
 Sample : VX0521WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 9:40:40 AM

Quant Time: May 22 07:46:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	163256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262081	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	101025	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
35) Dibromofluoromethane	5.50	113	74183	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
50) Toluene-d8	8.71	98	288641	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	
62) 4-Bromofluorobenzene	11.13	95	106764	44.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.34%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	25677	17.068	ug/l	95
3) Chloromethane	1.32	50	40682	19.807	ug/l	100
4) Vinyl Chloride	1.41	62	37969	18.958	ug/l	99
5) Bromomethane	1.64	94	23952	19.925	ug/l	97
6) Chloroethane	1.72	64	24330	18.921	ug/l	97
7) Trichlorofluoromethane	1.93	101	45040	18.500	ug/l	100
8) Diethyl Ether	2.19	74	20811	18.046	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27758	18.156	ug/l	99
10) Methyl Iodide	2.51	142	29297	19.571	ug/l	100
11) Tert butyl alcohol	3.04	59	47332	91.751	ug/l	98
12) 1,1-Dichloroethene	2.37	96	28281	18.462	ug/l	99
13) Acrolein	2.29	56	37734	80.767	ug/l	97
14) Allyl chloride	2.73	41	67933	18.198	ug/l	99
15) Acrylonitrile	3.14	53	116897	92.676	ug/l	99
16) Acetone	2.45	43	109183	91.237	ug/l	99
17) Carbon Disulfide	2.57	76	81727	19.003	ug/l	99
18) Methyl Acetate	2.78	43	49801	17.499	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	107133	18.010	ug/l	99
20) Methylene Chloride	2.85	84	34754	17.936	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	30474	18.344	ug/l	97
22) Diisopropyl ether	3.86	45	132386	18.441	ug/l	96
23) Vinyl Acetate	3.81	43	595432	96.857	ug/l	98
24) 1,1-Dichloroethane	3.70	63	64144	18.112	ug/l	99
25) 2-Butanone	4.68	43	175623	94.440	ug/l	97
26) 2,2-Dichloropropane	4.58	77	45287	17.180	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	35514	17.910	ug/l	98
28) Bromochloromethane	5.01	49	35899	23.742	ug/l	100
29) Tetrahydrofuran	5.13	42	116674	97.500	ug/l	97
30) Chloroform	5.21	83	57936	18.088	ug/l	96
31) Cyclohexane	5.58	56	61593	18.693	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	47810	17.930	ug/l	98
36) 1,1-Dichloropropene	5.80	75	44720	18.361	ug/l	99
37) Ethyl Acetate	4.84	43	65333	19.253	ug/l	99
38) Carbon Tetrachloride	5.79	117	40356	18.237	ug/l	99

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 9:40:40 AM

Quant Time: May 22 07:46:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	55002	18.389	ug/l	98
40) Benzene	6.14	78	140678	18.663	ug/l	100
41) Methacrylonitrile	5.04	41	36595	18.116	ug/l	98
42) 1,2-Dichloroethane	6.19	62	50244	18.582	ug/l	99
43) Isopropyl Acetate	6.45	43	100732	18.558	ug/l	100
44) Trichloroethene	7.21	130	32581	17.880	ug/l	100
45) 1,2-Dichloropropane	7.51	63	39432	18.475	ug/l	98
46) Dibromomethane	7.66	93	22094	17.826	ug/l	98
47) Bromodichloromethane	7.90	83	44071	17.826	ug/l	97
48) Methyl methacrylate	7.77	41	50191	18.638	ug/l	99
49) 1,4-Dioxane	7.74	88	19653	359.860	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	340662	96.019	ug/l	99
52) Toluene	8.78	92	85404	18.639	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	49516	17.739	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	55442	17.945	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	34046	18.213	ug/l	97
56) Ethyl methacrylate	9.18	69	60649	18.176	ug/l	96
57) 1,3-Dichloropropane	9.37	76	59760	18.167	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	162993	92.078	ug/l	100
59) 2-Hexanone	9.49	43	264325	94.861	ug/l	98
60) Dibromochloromethane	9.58	129	32528	17.817	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34155	18.101	ug/l	98
64) Tetrachloroethene	9.34	164	30393	18.545	ug/l	99
65) Chlorobenzene	10.13	112	86473	18.092	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	30866	17.813	ug/l	99
67) Ethyl Benzene	10.25	91	159943	18.183	ug/l	99
68) m/p-Xylenes	10.36	106	117834	36.658	ug/l	99
69) o-Xylene	10.69	106	57167	18.025	ug/l	100
70) Styrene	10.71	104	98694	17.904	ug/l	99
71) Bromoform	10.85	173	24605	17.473	ug/l #	98
73) Isopropylbenzene	11.02	105	151717	18.398	ug/l	99
74) N-amyl acetate	10.90	43	88619	18.433	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	57069	18.565	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	50319m	19.130	ug/l	
77) Bromobenzene	11.26	156	36868	18.013	ug/l	97
78) n-propylbenzene	11.36	91	172568	18.324	ug/l	99
79) 2-Chlorotoluene	11.42	91	105734	18.198	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	128845	18.557	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17668	17.186	ug/l	90
82) 4-Chlorotoluene	11.51	91	120666	18.384	ug/l	99
83) tert-Butylbenzene	11.77	119	122068	18.072	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	128771	18.477	ug/l	99
85) sec-Butylbenzene	11.94	105	143838	17.962	ug/l	100
86) p-Isopropyltoluene	12.06	119	131517	18.269	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	65400	17.924	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	65005	17.671	ug/l	97
89) n-Butylbenzene	12.38	91	115053	17.682	ug/l	100
90) Hexachloroethane	12.59	117	21929	17.880	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	65604	17.653	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12668	18.370	ug/l	97

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Instrument :
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ClientSampleId :
VX0521WBS01

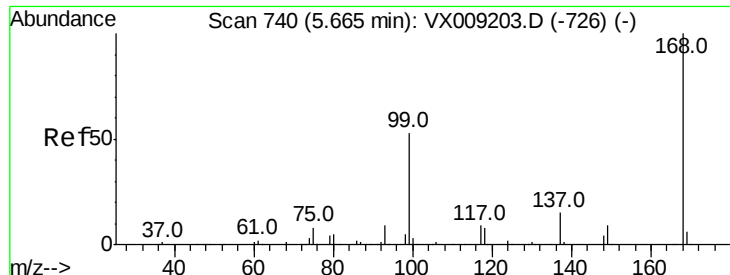
Manual Integrations
APPROVED

MMDadoda
5/22/2019 9:40:40 AM

Quant Time: May 22 07:46:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	45086	17.741	ug/l	99
94) Hexachlorobutadiene	13.78	225	23555	18.150	ug/l	99
95) Naphthalene	13.83	128	145198	17.561	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	46150	17.915	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion:168 Resp: 163256

Ion Ratio Lower Upper

168 100

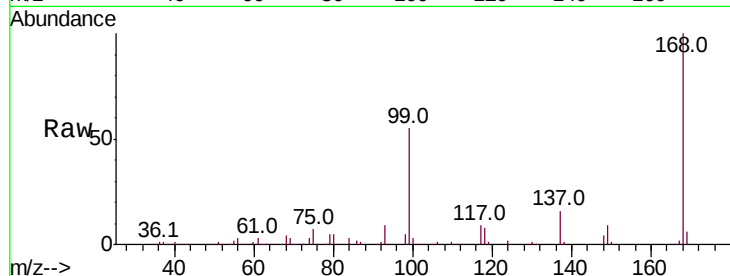
99 55.1 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

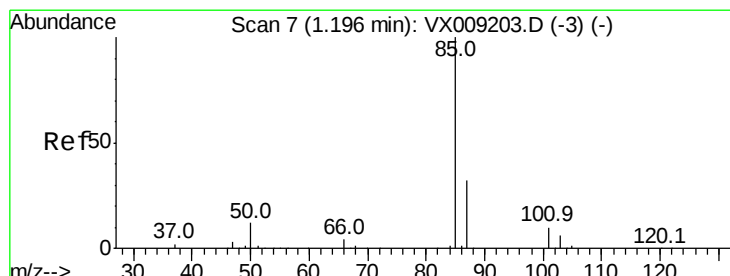
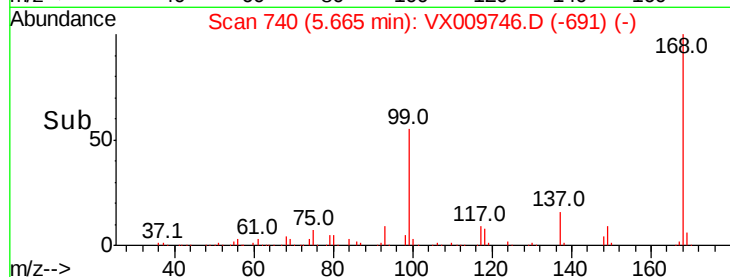
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.068 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009746.D

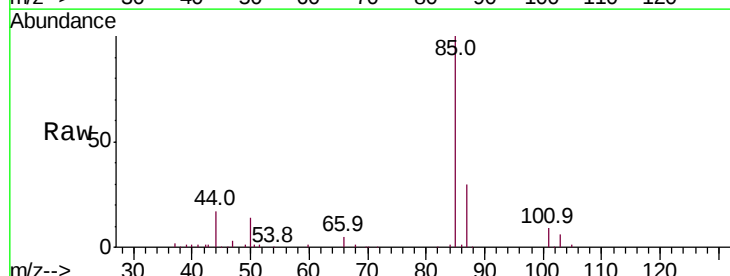
Acq: 21 May 2019 14:37

Tgt Ion: 85 Resp: 25677

Ion Ratio Lower Upper

85 100

87 29.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

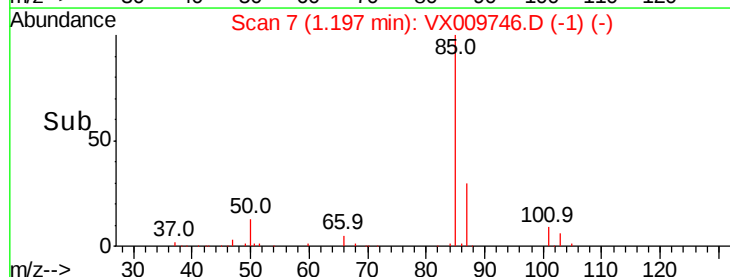
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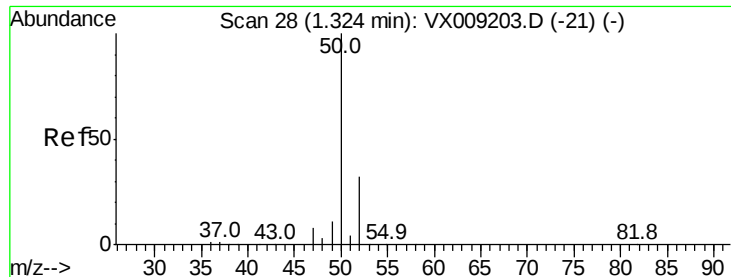
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 19.807 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 50 Resp: 40682

Ion Ratio Lower Upper

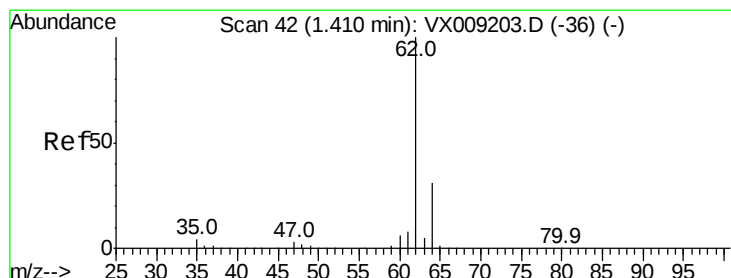
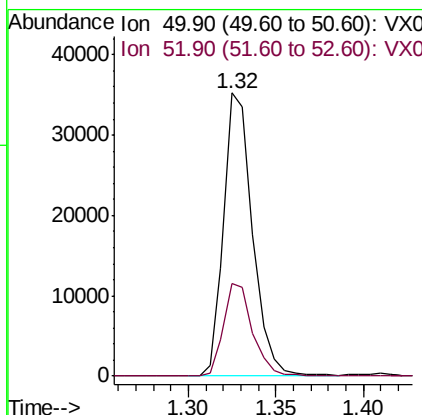
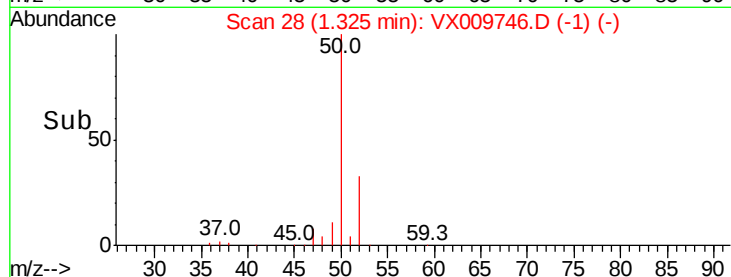
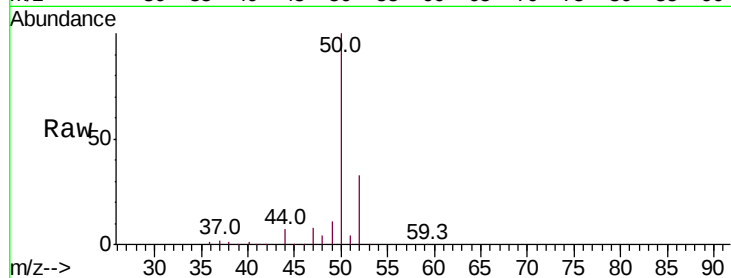
50 100

52 32.5 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.958 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009746.D

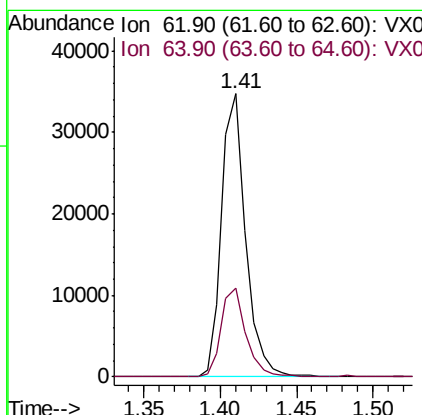
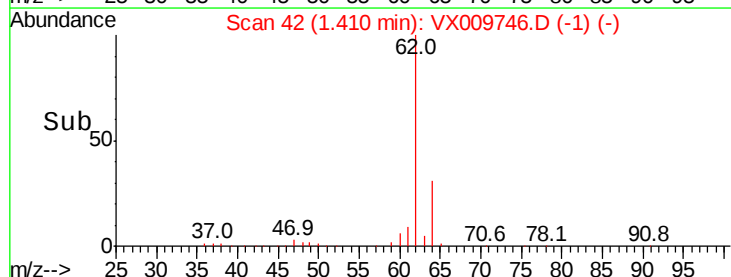
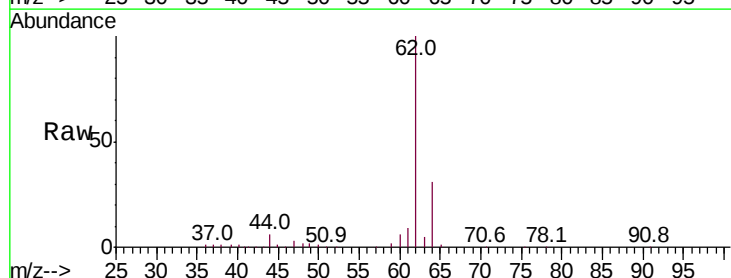
Acq: 21 May 2019 14:37

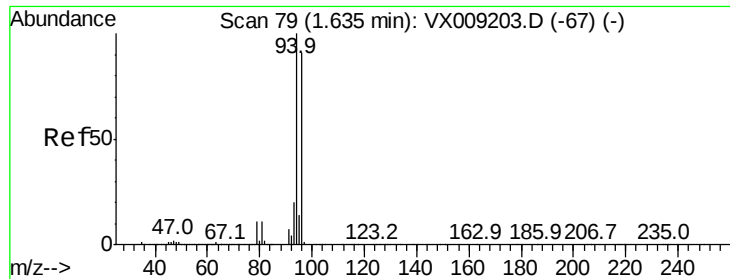
Tgt Ion: 62 Resp: 37969

Ion Ratio Lower Upper

62 100

64 31.1 24.6 36.8





#5

Bromomethane

Concen: 19.925 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 94 Resp: 23952

Ion Ratio Lower Upper

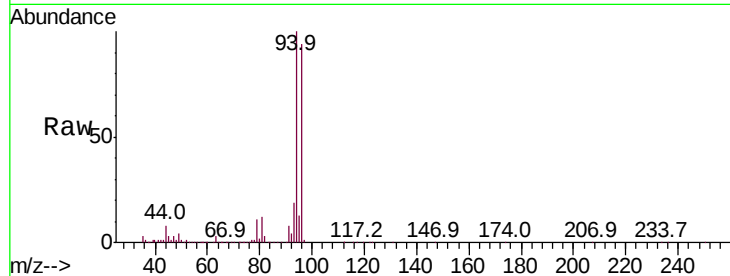
94 100

96 94.4 73.0 109.6

Manual Integrations
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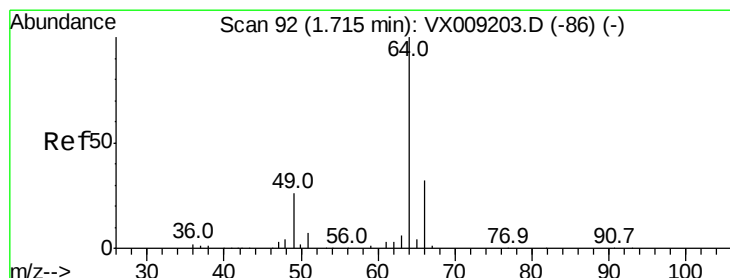
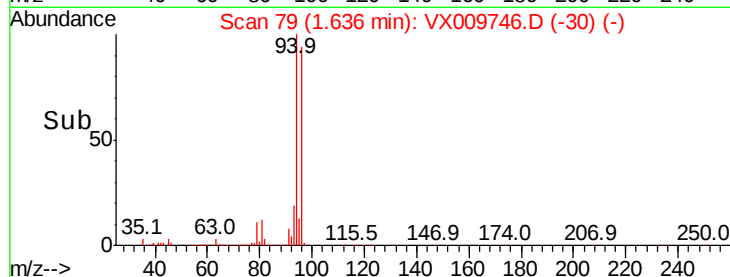
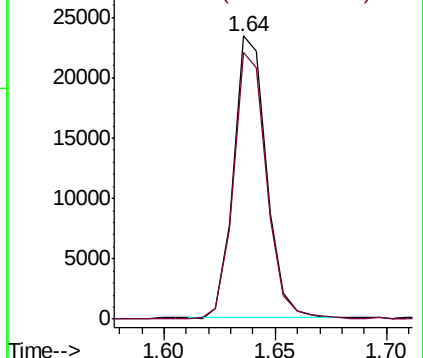
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.921 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009746.D

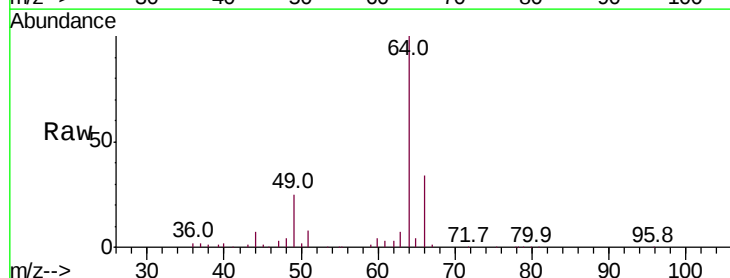
Acq: 21 May 2019 14:37

Tgt Ion: 64 Resp: 24330

Ion Ratio Lower Upper

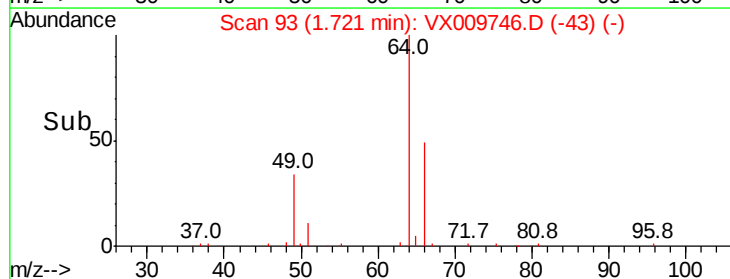
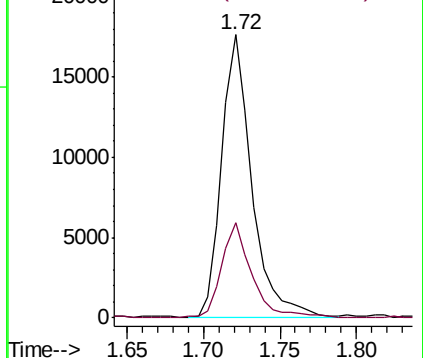
64 100

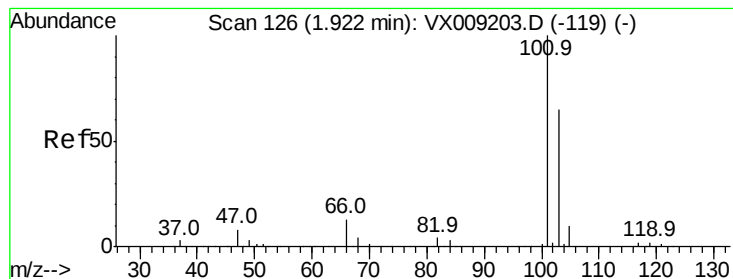
66 33.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

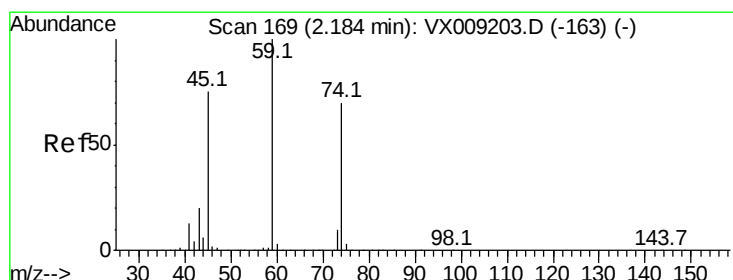
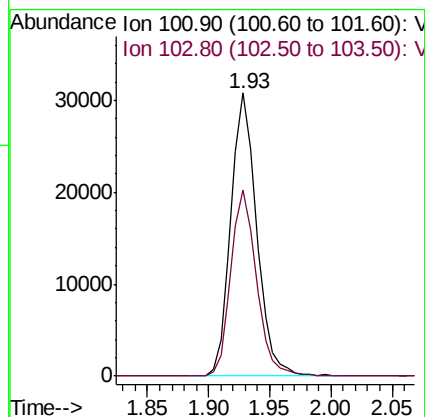
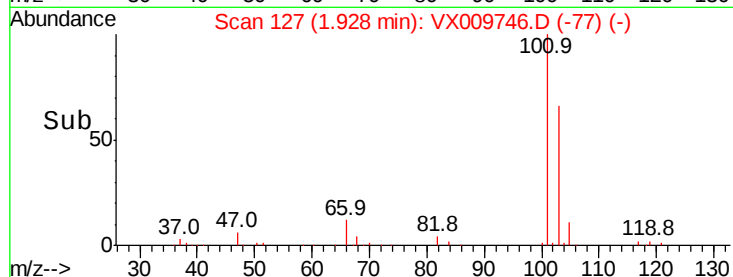
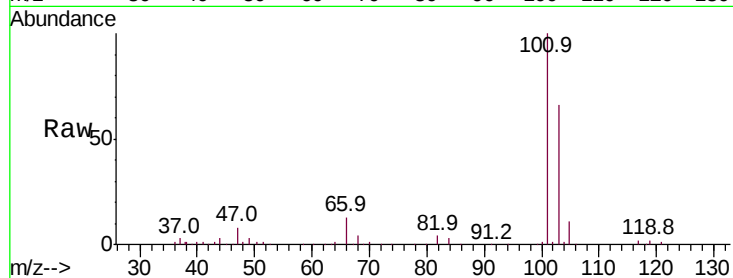
Trichlorofluoromethane
Concen: 18.500 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion:101 Resp: 45040
Ion Ratio Lower Upper
101 100
103 65.8 52.4 78.6

Manual Integrations
APPROVED

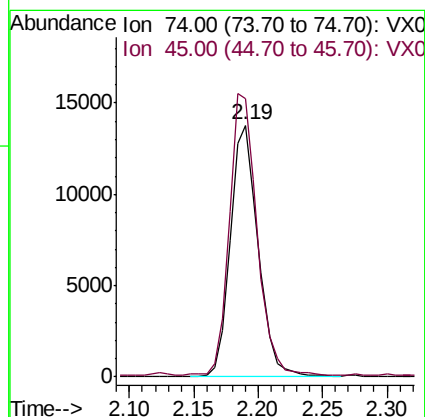
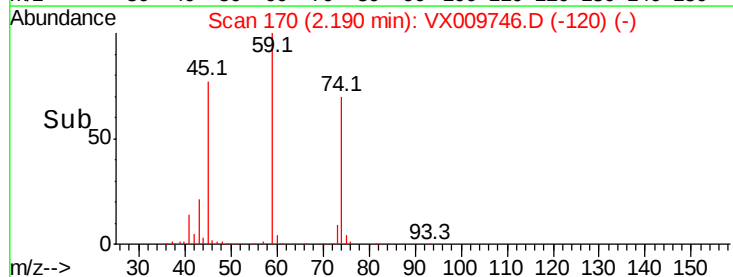
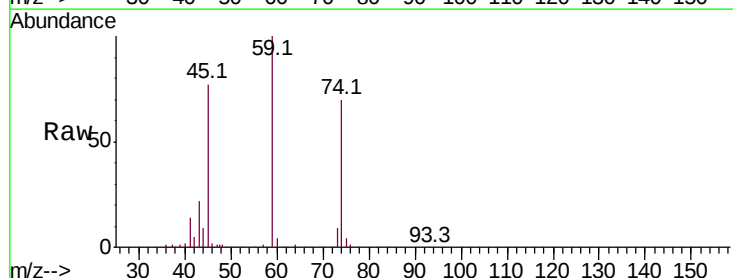
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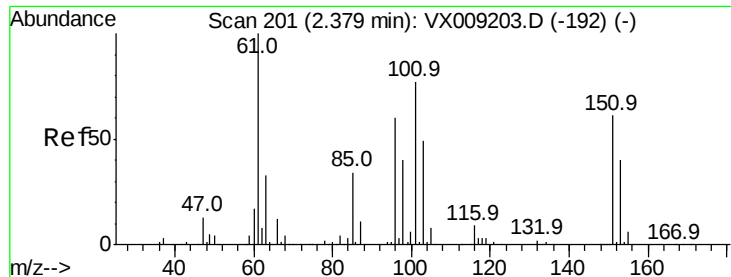


#8

Diethyl Ether
Concen: 18.046 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion: 74 Resp: 20811
Ion Ratio Lower Upper
74 100
45 111.2 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.156 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

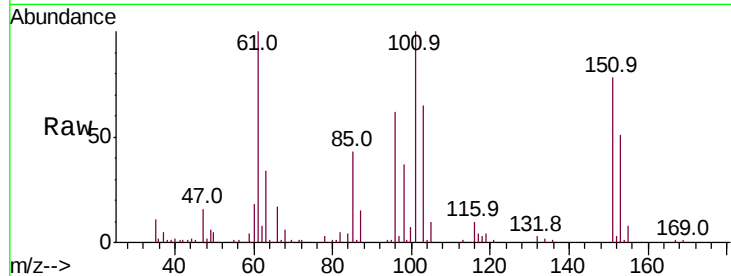
ClientSampleId :

VX0521WBS01

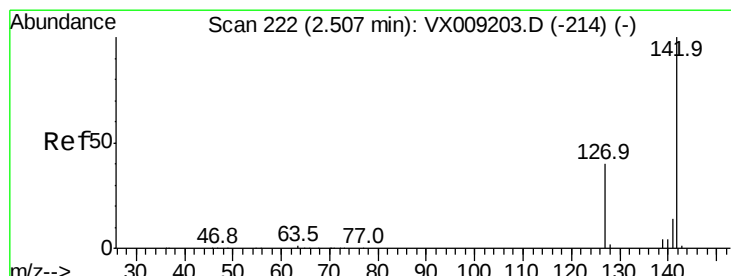
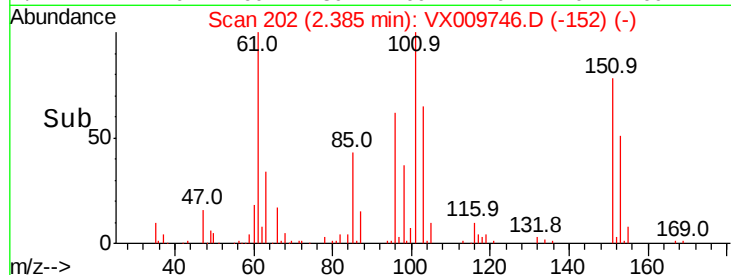
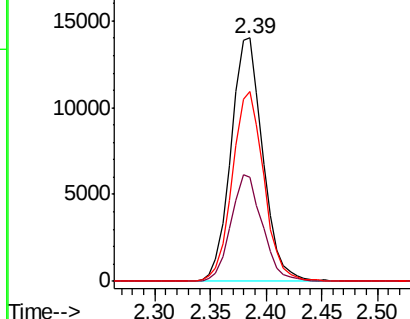
Tot Ion:	101	Resp:	27758
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.7	53.5
151	77.3	62.2	93.2

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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: 19.571 ug/l

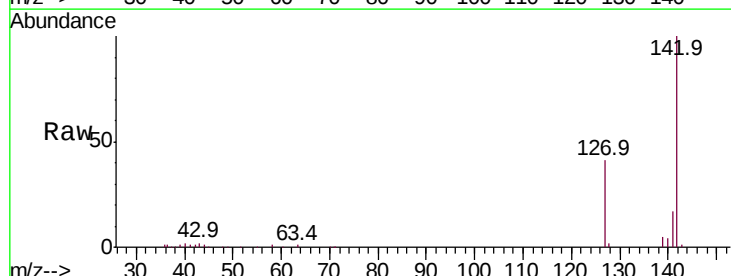
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

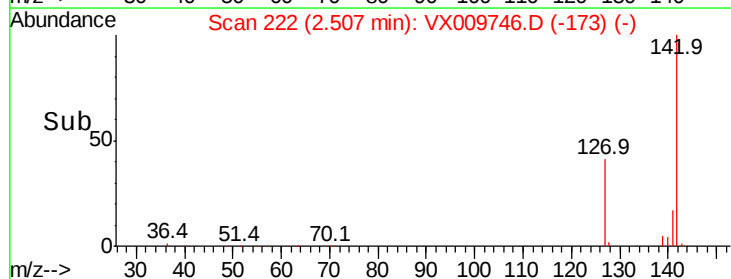
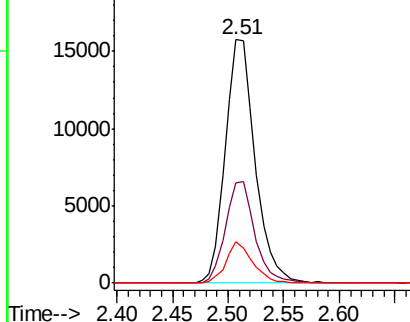
Lab File: VX009746.D

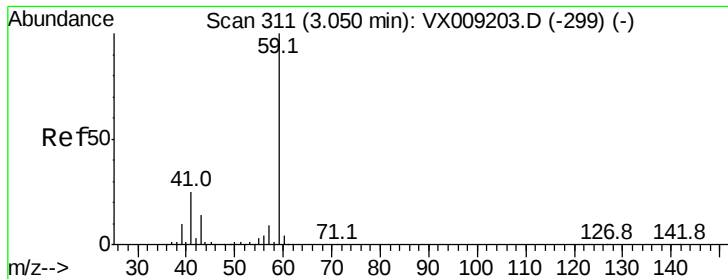
Acq: 21 May 2019 14:37

Tgt Ion:	142	Resp:	29297
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.7	49.1
141	15.1	11.5	17.3



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





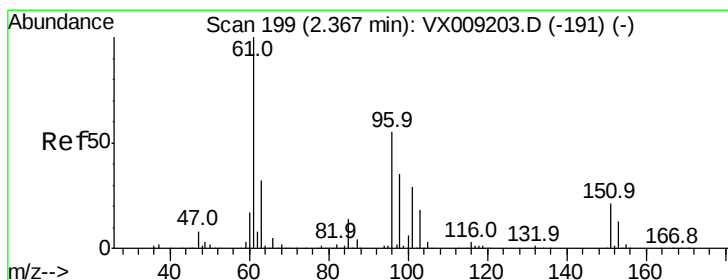
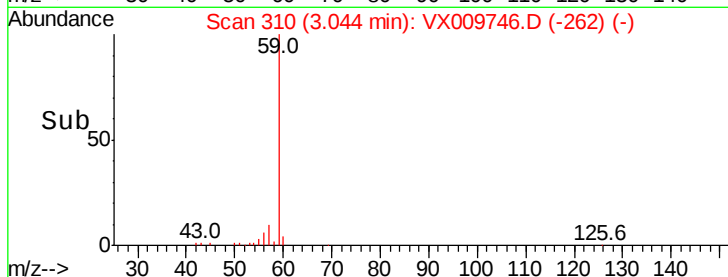
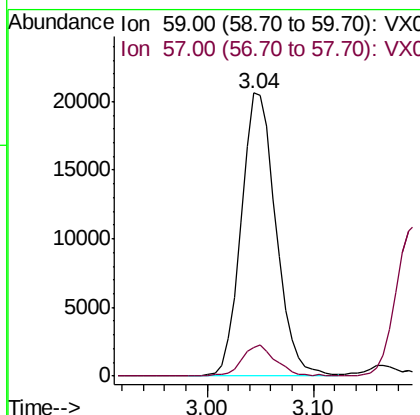
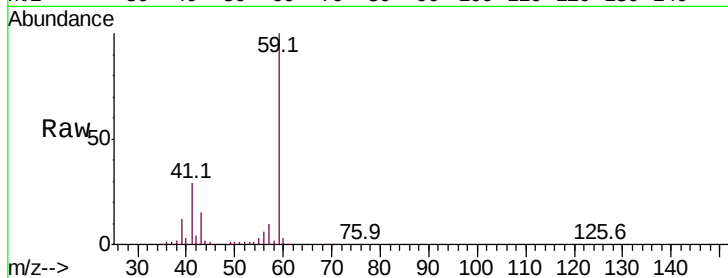
#11
Tert butyl alcohol
Concen: 91.751 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion: 59 Resp: 47332
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

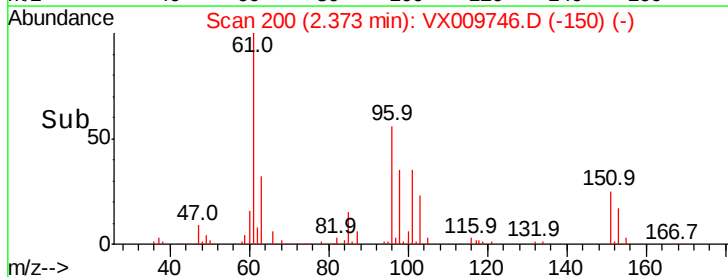
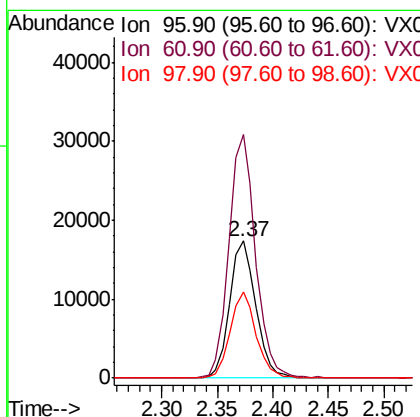
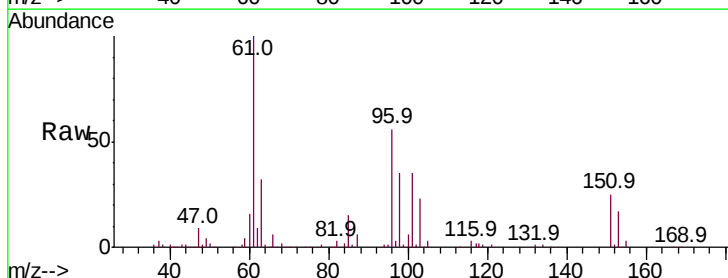
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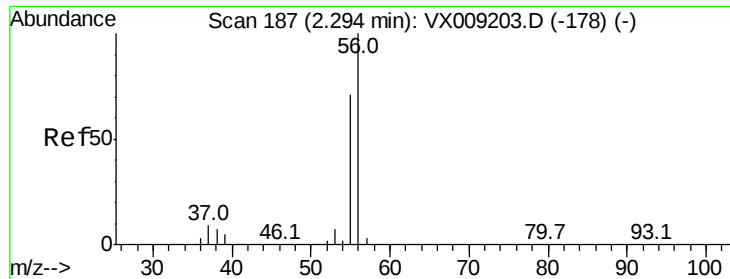
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.462 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion: 96 Resp: 28281
Ion Ratio Lower Upper
96 100
61 178.0 144.3 216.5
98 62.5 50.3 75.5





#13

Acrolein

Concen: 80.767 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 56 Resp: 37734

Ion Ratio Lower Upper

56 100

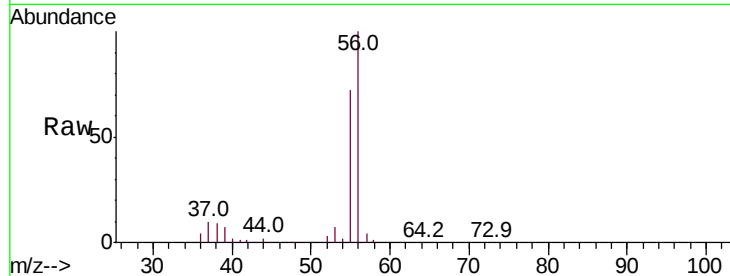
55 73.1 56.6 85.0

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

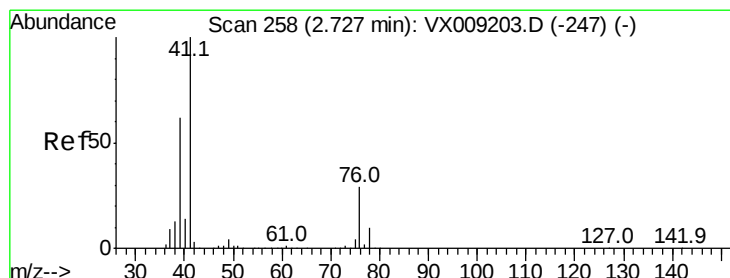
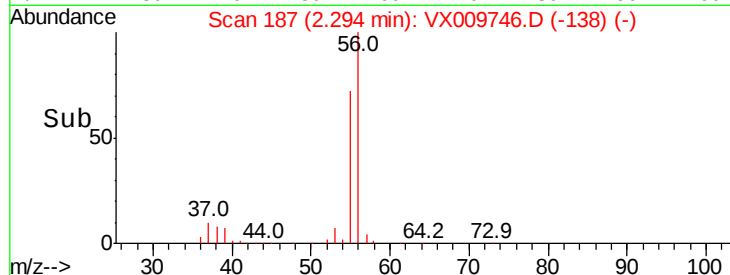
5000

0

Time-->

2.20 2.25 2.30 2.35 2.40

2.29



#14

Allyl chloride

Concen: 18.198 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

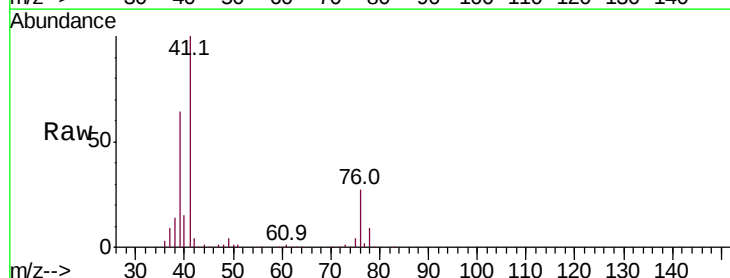
Tgt Ion: 41 Resp: 67933

Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

76 25.3 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

40000

30000

20000

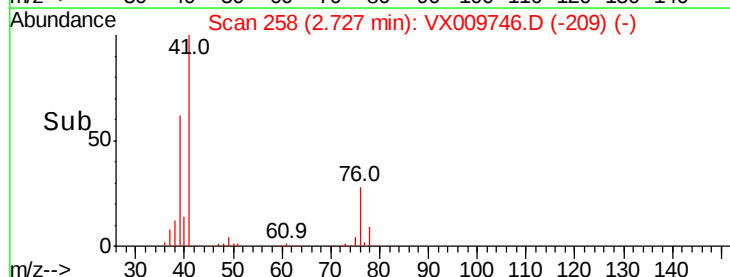
10000

0

Time-->

2.60 2.70 2.80

2.73





#15

Acrylonitrile

Concen: 92.676 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

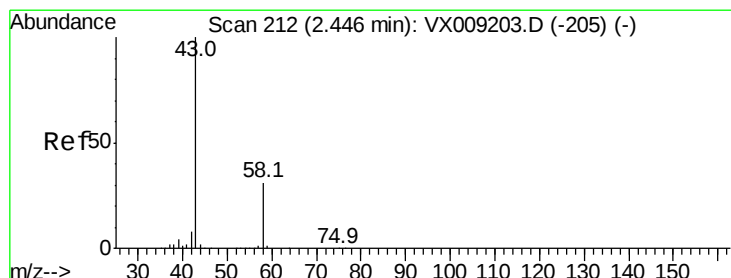
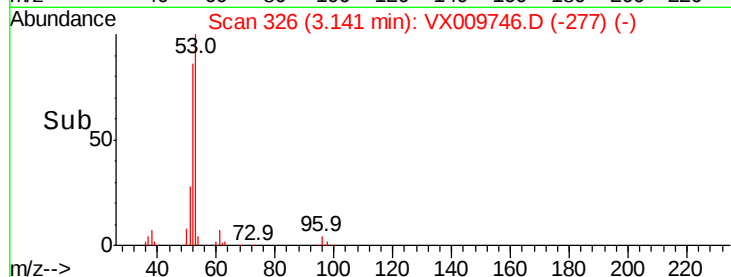
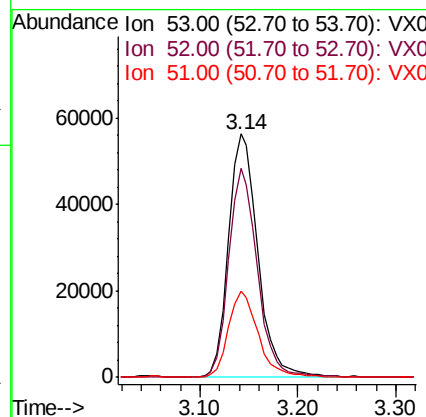
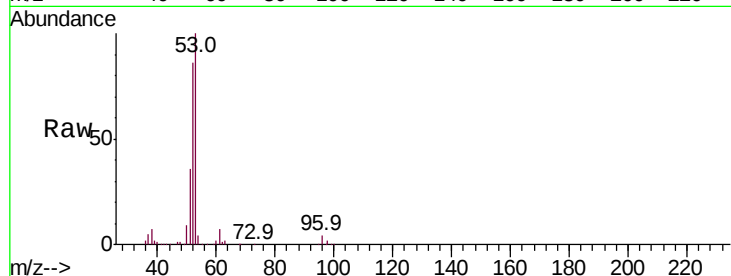
ClientSampleId :

VX0521WBS01

Tot Ion:	53	Resp:	116897
Ion Ratio		Lower	Upper
53	100		
52	84.1	66.9	100.3
51	36.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 91.237 ug/l

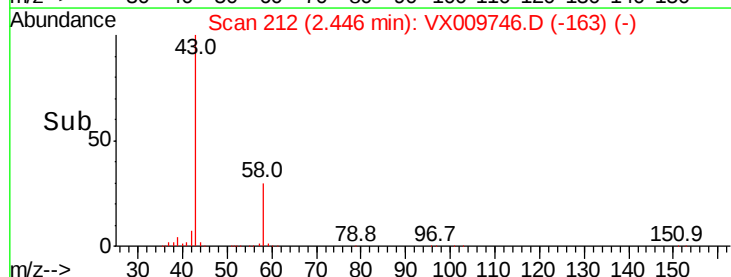
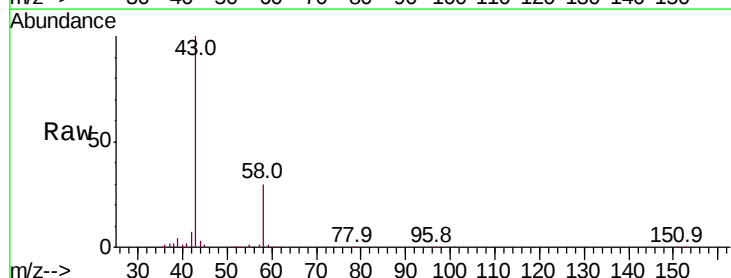
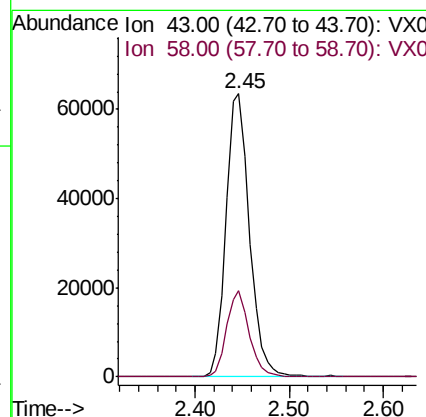
RT: 2.45 min Scan# 212

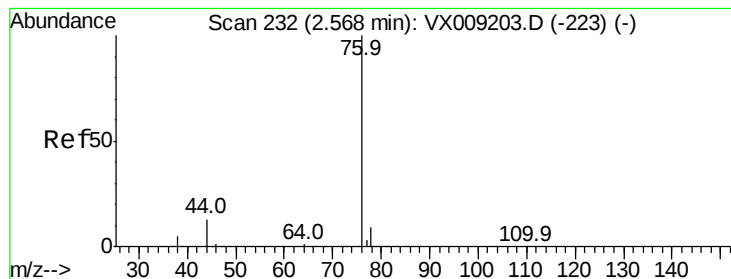
Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Tgt Ion:	43	Resp:	109183
Ion Ratio		Lower	Upper
43	100		
58	30.3	24.9	37.3





#17

Carbon Disulfide

Concen: 19.003 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 76 Resp: 81727

Ion Ratio Lower Upper

76 100

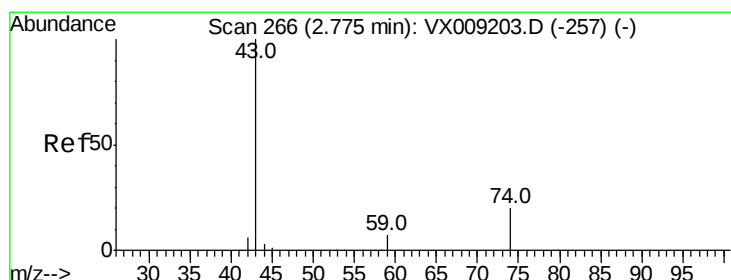
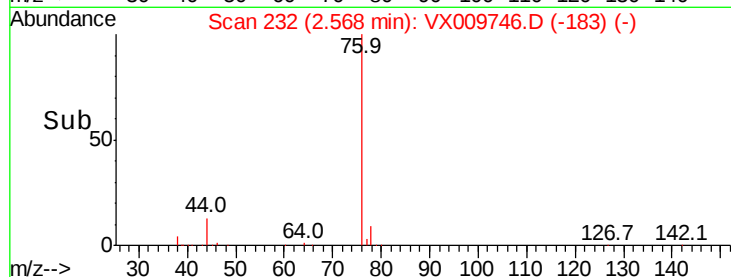
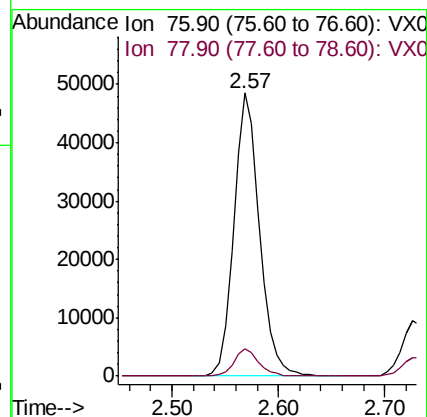
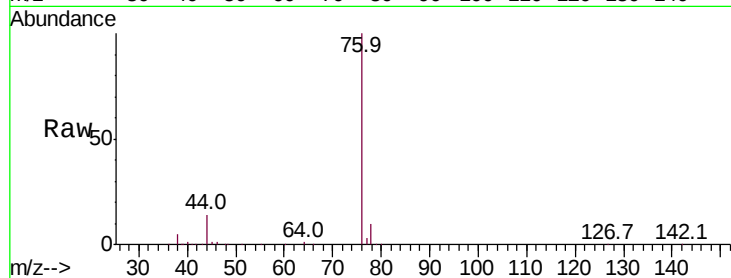
78 9.5 7.4 11.0

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#18

Methyl Acetate

Concen: 17.499 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009746.D

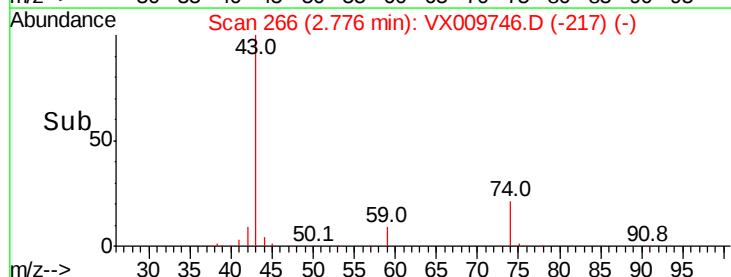
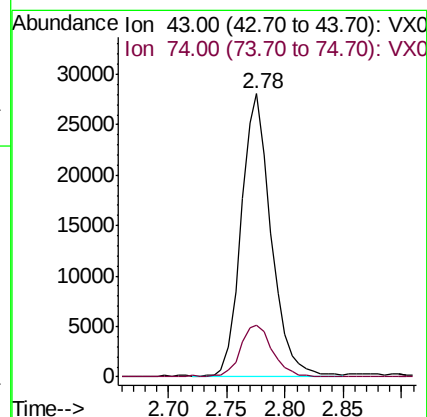
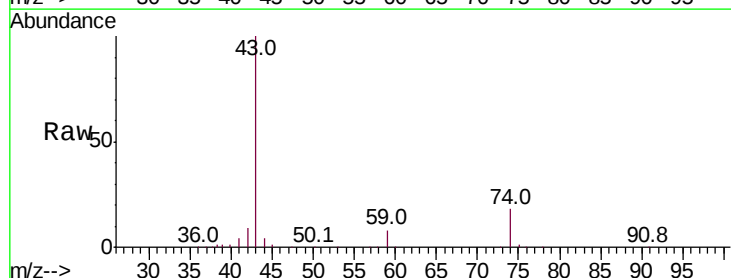
Acq: 21 May 2019 14:37

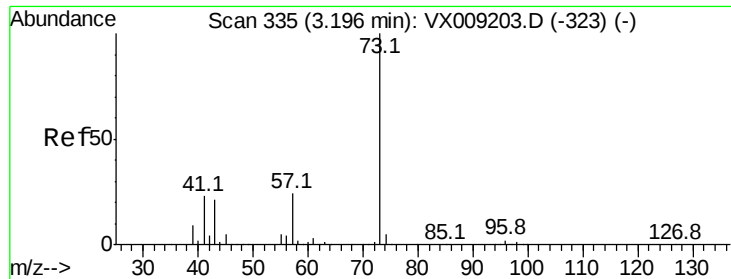
Tgt Ion: 43 Resp: 49801

Ion Ratio Lower Upper

43 100

74 19.8 16.2 24.4





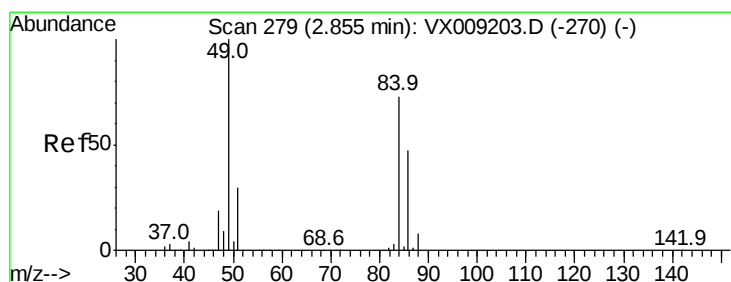
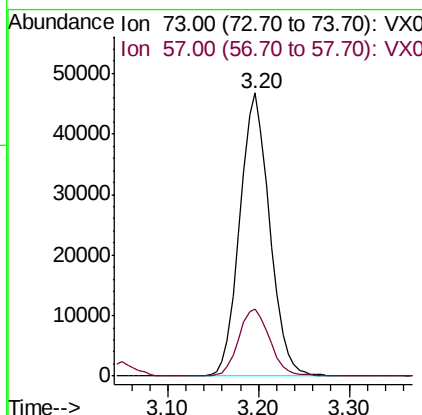
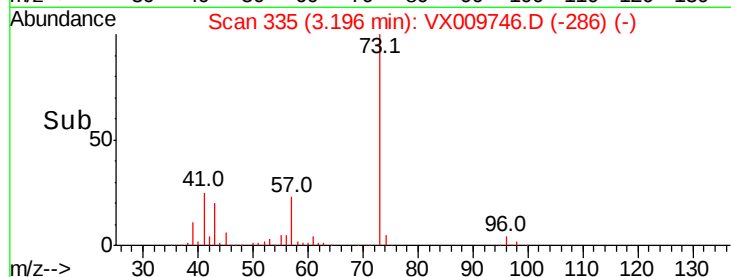
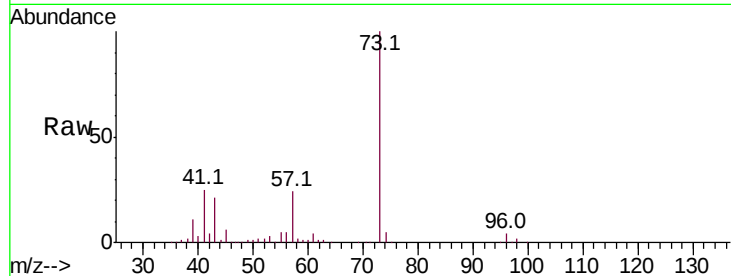
#19
Methvl tert-butvl Ether
Concen: 18.010 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion: 73 Resp: 107133
Ion Ratio Lower Upper
73 100
57 23.6 19.3 28.9

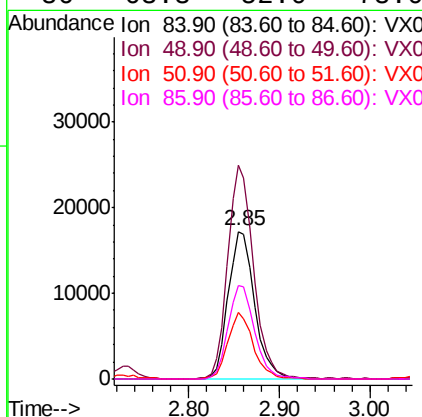
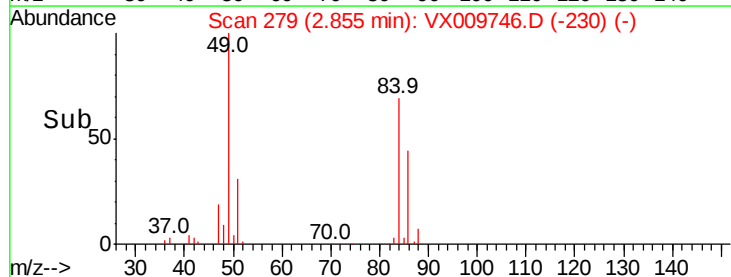
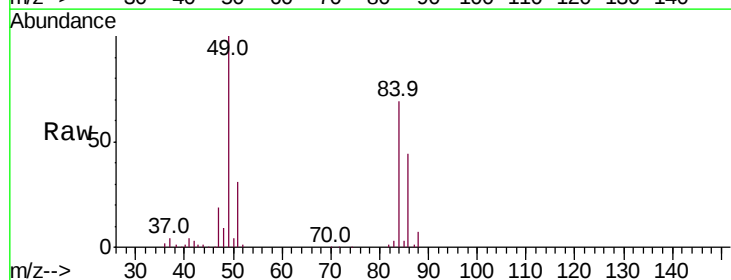
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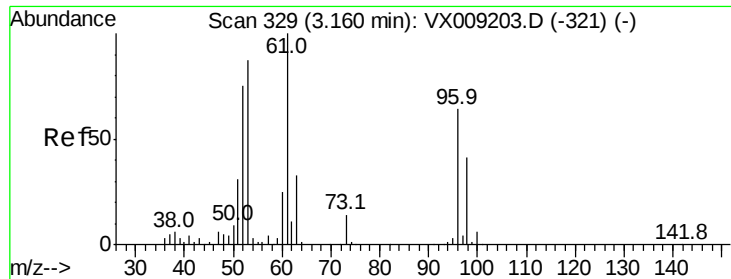
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#20
Methylene Chloride
Concen: 17.936 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion: 84 Resp: 34754
Ion Ratio Lower Upper
84 100
49 145.0 109.9 164.9
51 45.3 32.7 49.1
86 63.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.344 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 96 Resp: 30474

Ion Ratio Lower Upper

96 100

61 158.3 124.5 186.7

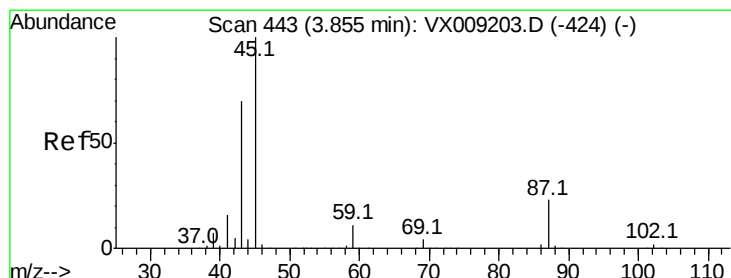
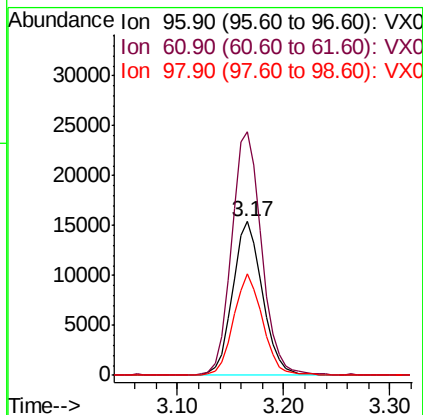
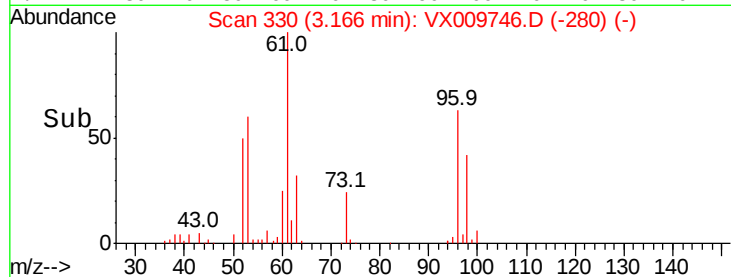
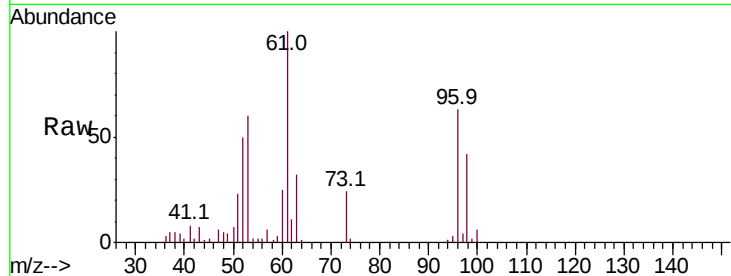
98 66.1 50.4 75.6

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#22

Diisopropyl ether

Concen: 18.441 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Tgt Ion: 45 Resp: 132386

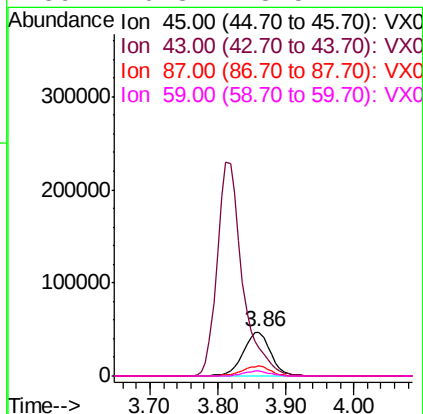
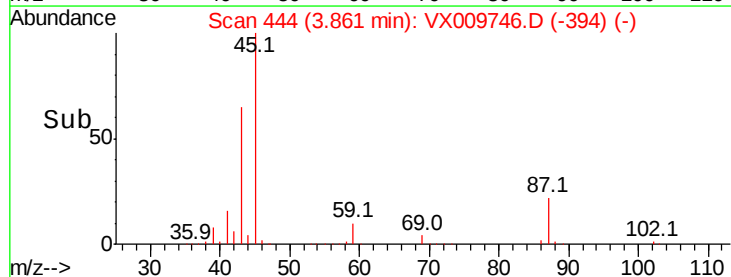
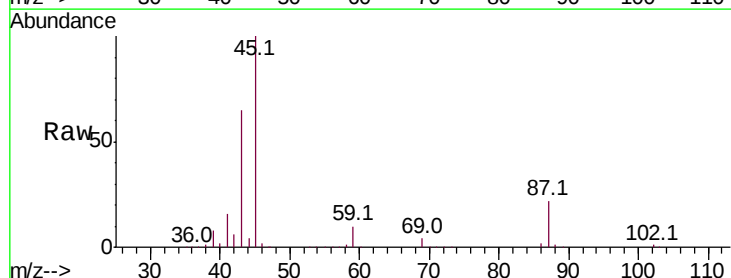
Ion Ratio Lower Upper

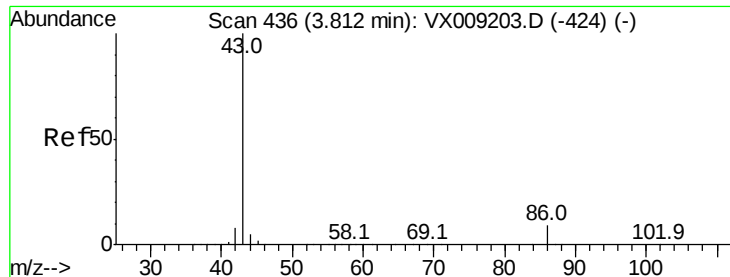
45 100

43 65.2 56.1 84.1

87 22.1 18.1 27.1

59 10.3 8.5 12.7





#23

Vinyl Acetate

Concen: 96.857 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleID :

VX0521WBS01

Tot Ion: 43 Resp: 595432

Ion Ratio Lower Upper

43 100

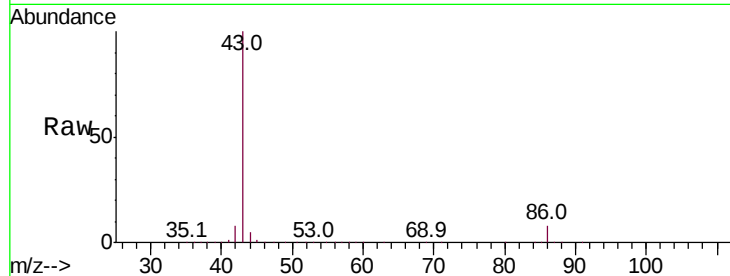
86 8.0 6.9 10.3

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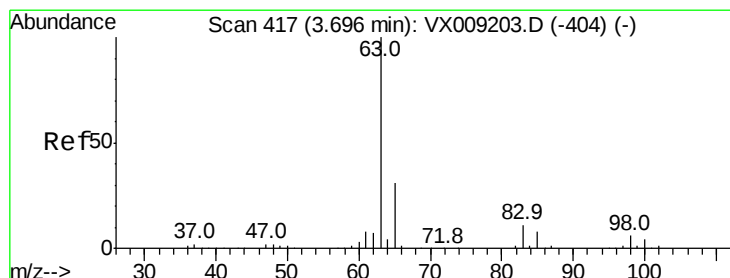
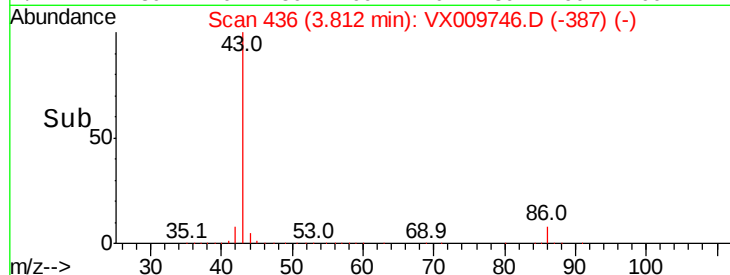
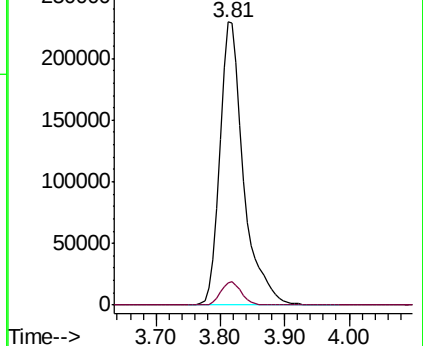
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.112 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

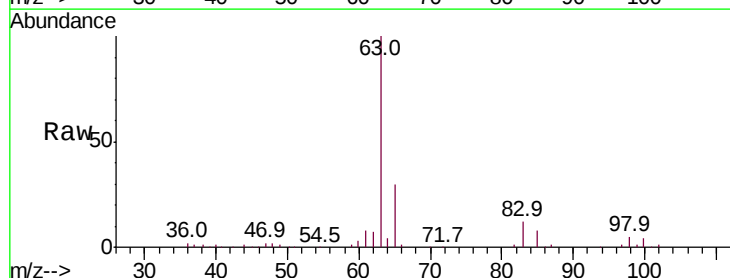
Tgt Ion: 63 Resp: 64144

Ion Ratio Lower Upper

63 100

98 5.4 3.0 9.2

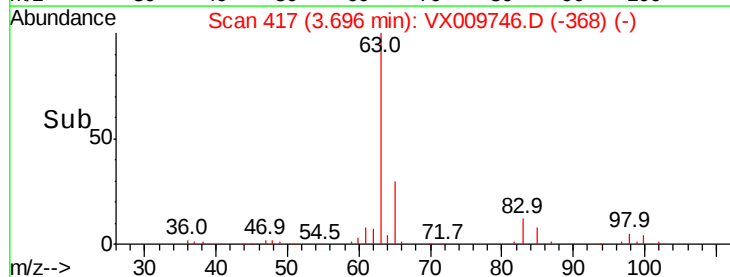
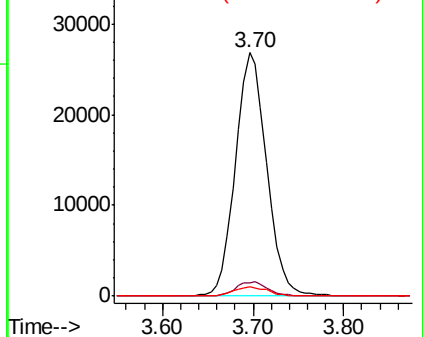
100 4.1 2.0 6.0

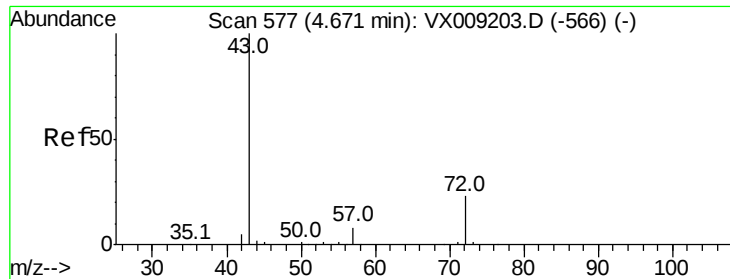


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 94.440 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 43 Resp: 175623

Ion Ratio Lower Upper

43 100

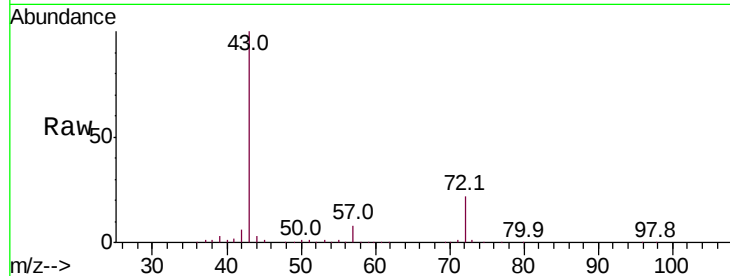
72 21.4 18.2 27.2

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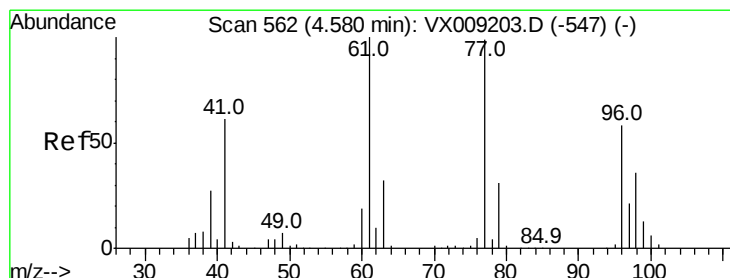
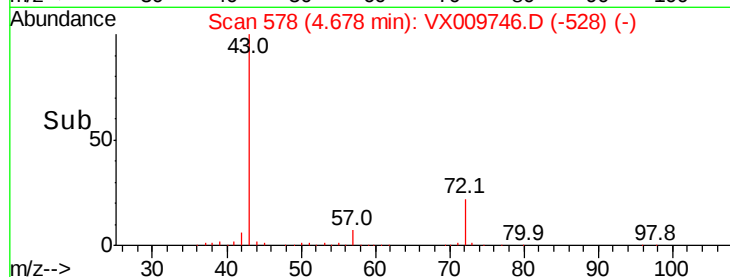
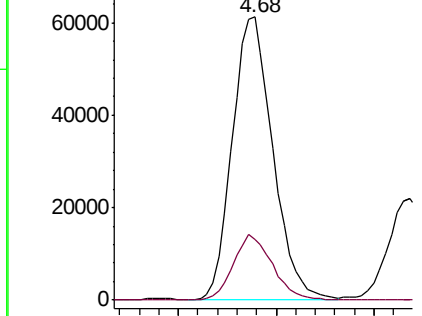
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.180 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009746.D

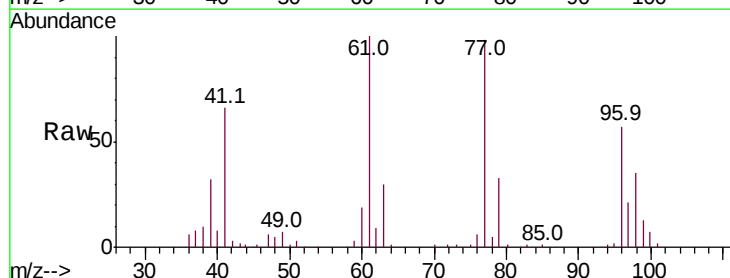
Acq: 21 May 2019 14:37

Tgt Ion: 77 Resp: 45287

Ion Ratio Lower Upper

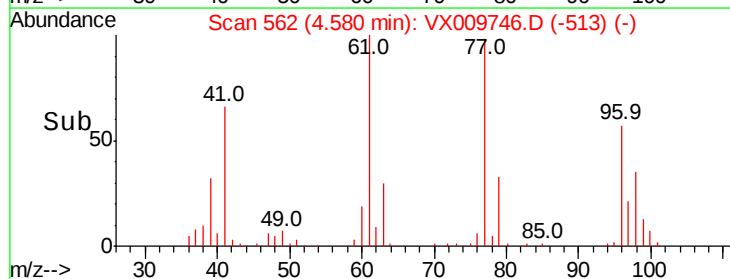
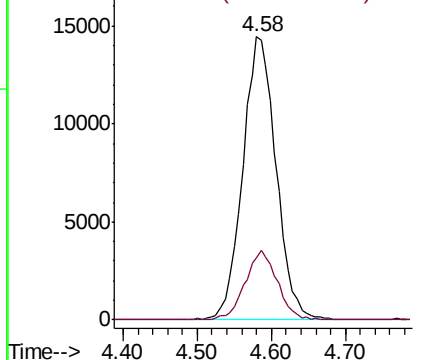
77 100

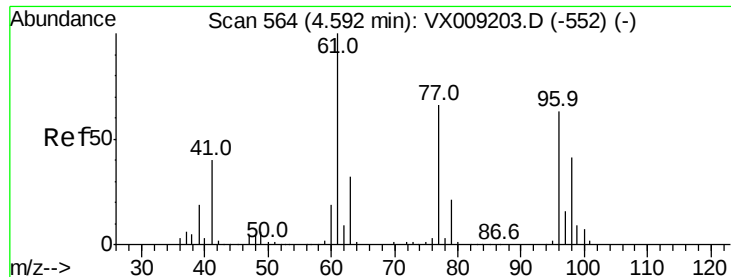
97 23.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

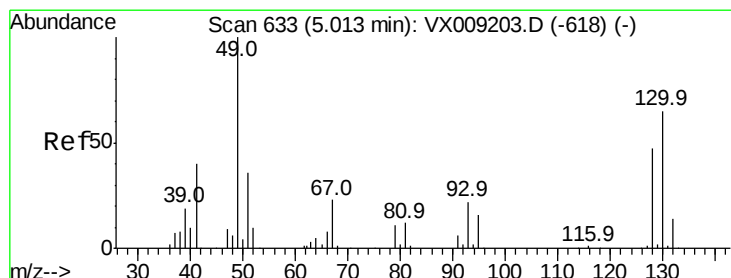
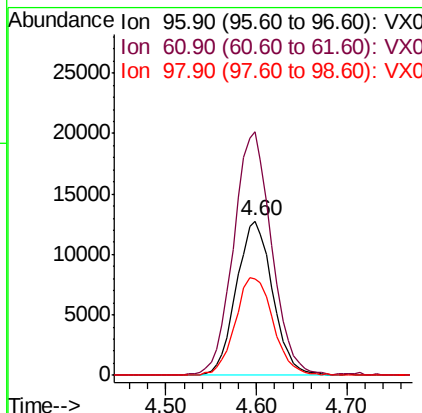
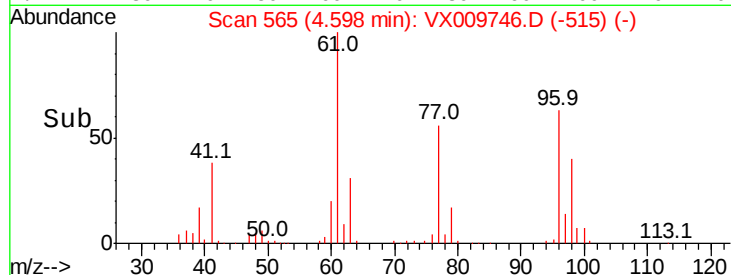
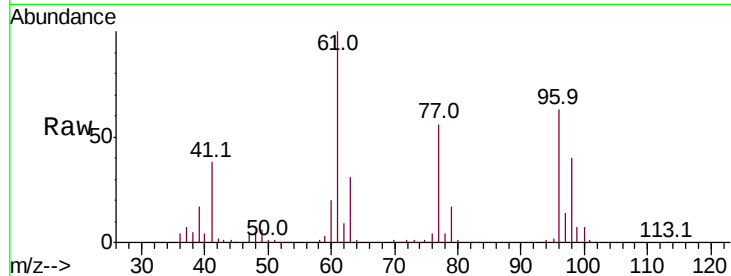
cis-1,2-Dichloroethene
Concen: 17.910 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.5	0.0	324.0
98	66.2	0.0	130.4

Manual Integrations
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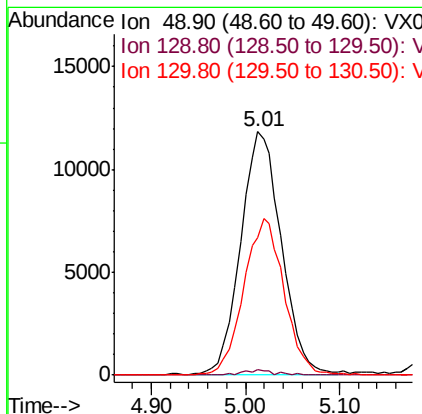
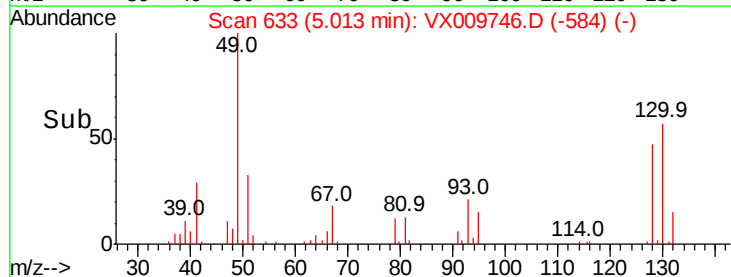
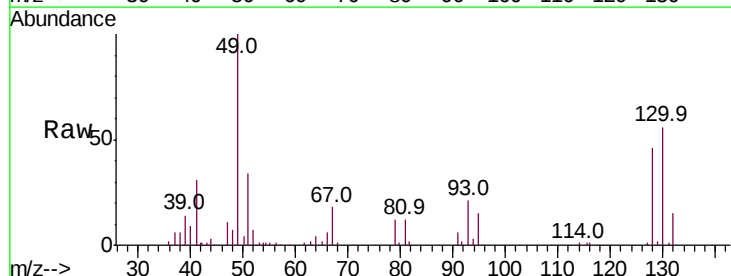
MMDadoda
5/22/2019 9:40:40 AM

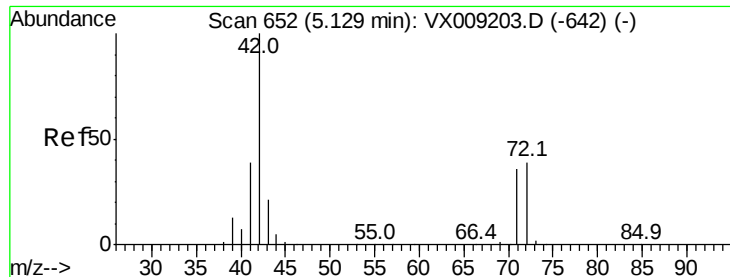


#28

Bromochloromethane
Concen: 23.742 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	63.7	51.2	76.8





#29

Tetrahydrofuran

Concen: 97.500 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

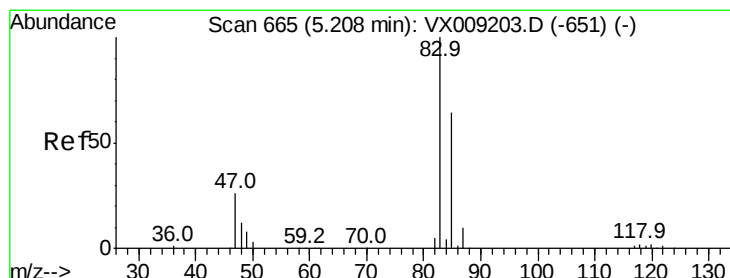
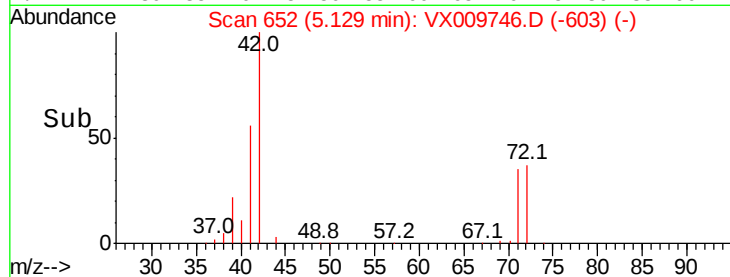
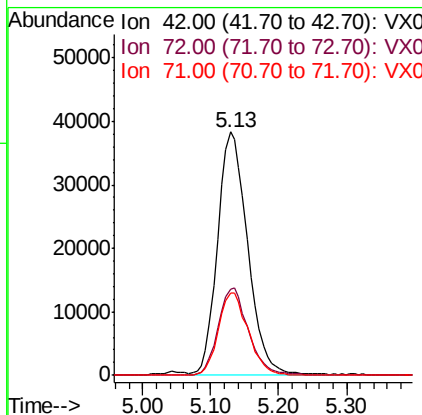
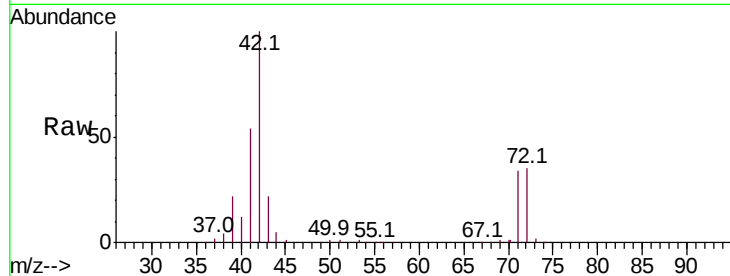
ClientSampleId :

VX0521WBS01

Tot Ion:	42	Resp:	116674
Ion Ratio	Lower	Upper	
42	100		
72	36.6	30.4	45.6
71	34.0	28.6	43.0

Manual Integrations
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5/22/2019 9:40:40 AM



#30

Chloroform

Concen: 18.088 ug/l

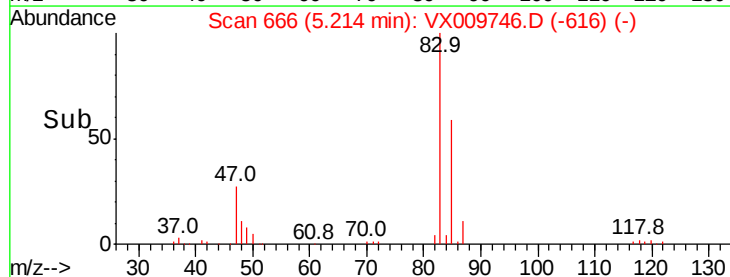
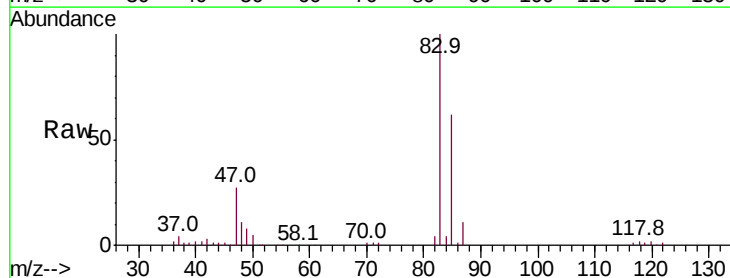
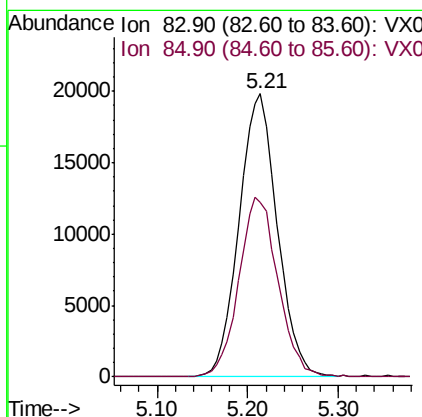
RT: 5.21 min Scan# 666

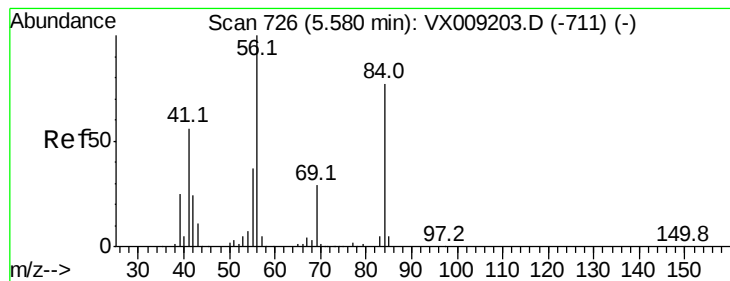
Delta R.T. 0.01 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Tgt Ion:	83	Resp:	57936
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.5	77.3





#31

Cyclohexane

Concen: 18.693 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 56 Resp: 61593

Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.0

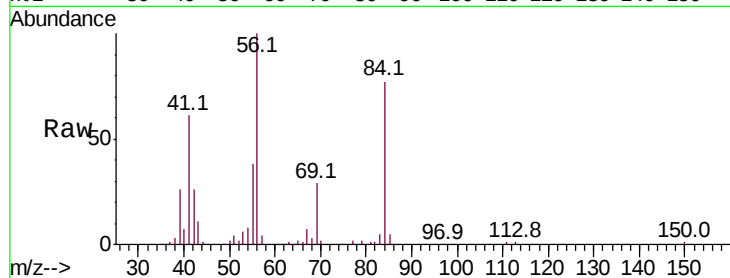
84 76.5 61.9 92.9

Manual Integrations

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MMDadoda

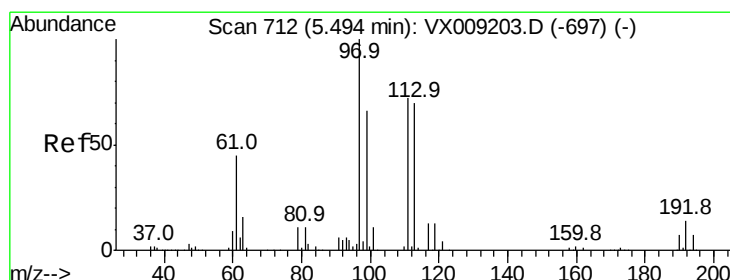
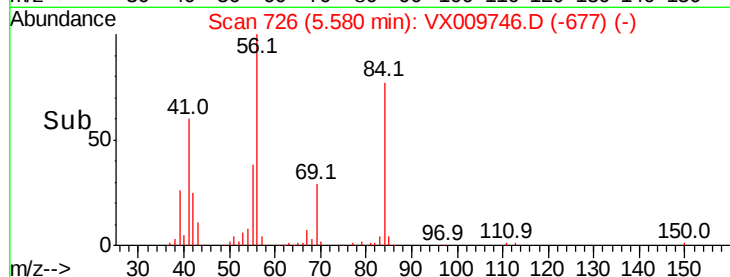
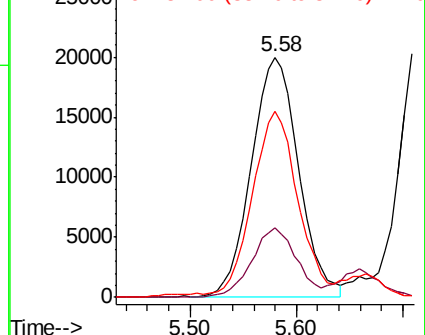
5/22/2019 9:40:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 17.930 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

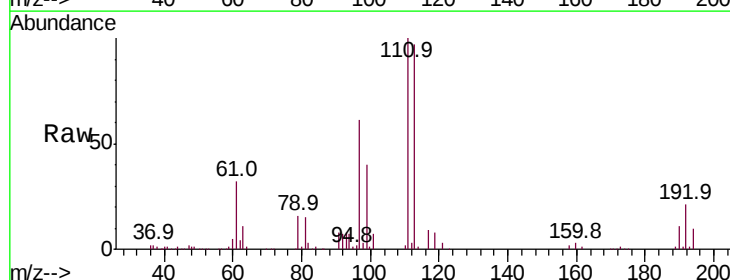
Tgt Ion: 97 Resp: 47810

Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.8

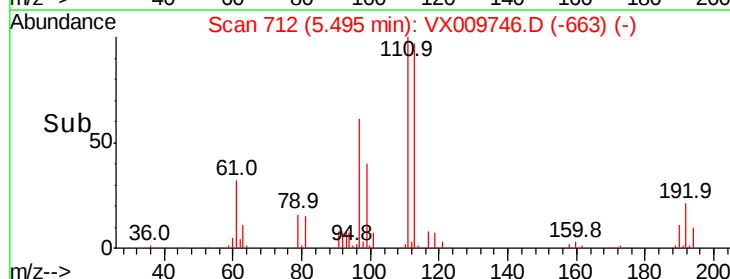
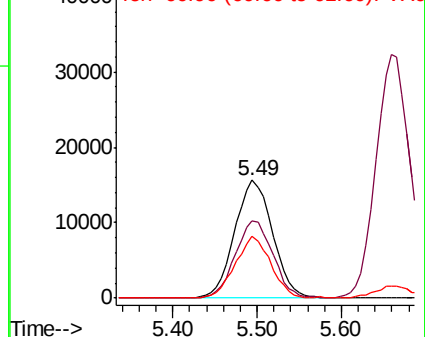
61 49.6 37.8 56.8

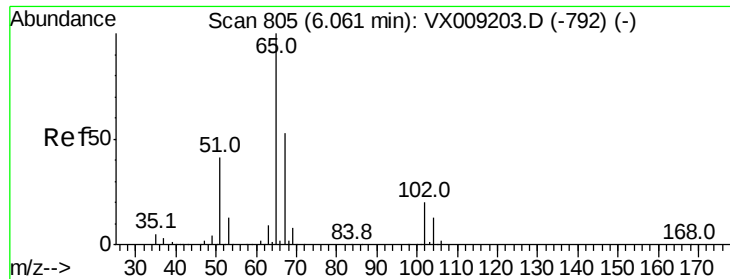


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





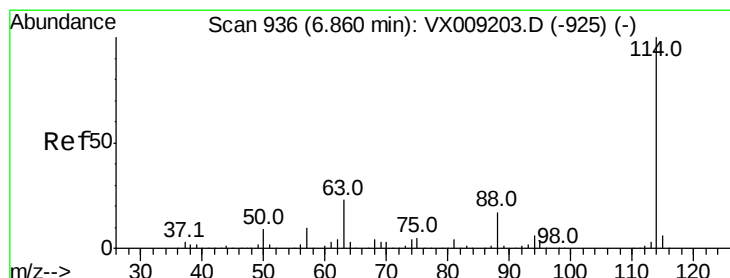
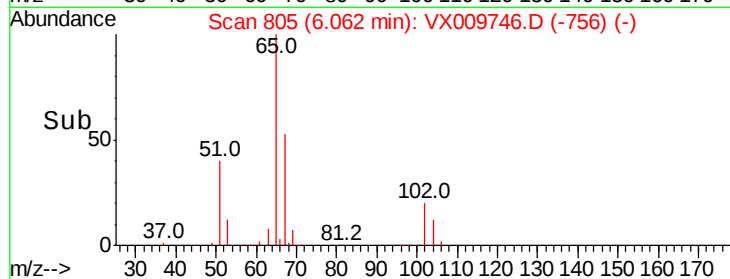
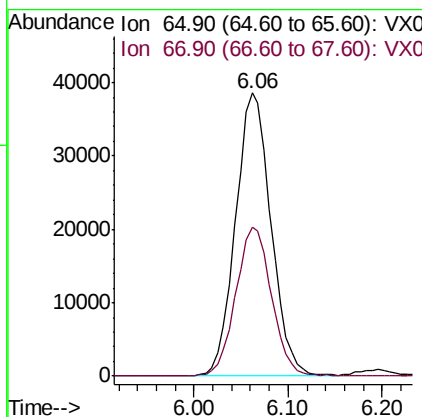
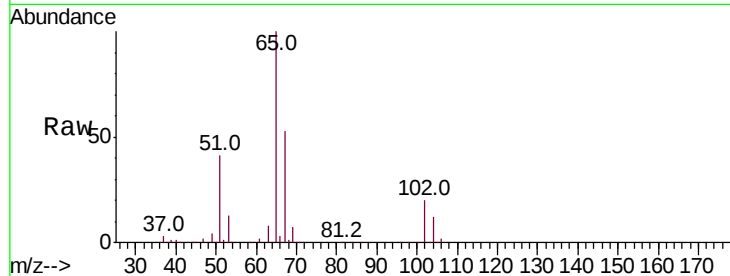
#33
 1,2-Dichloroethane-d4
 Concen: 45.330 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	106.6	

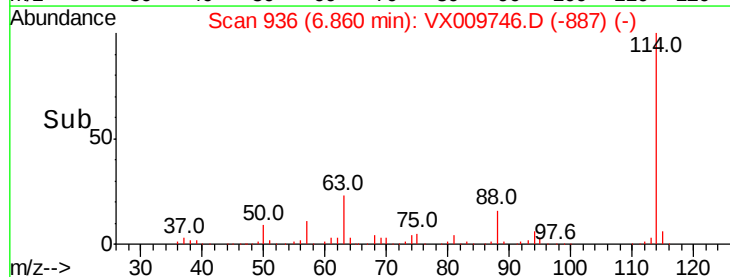
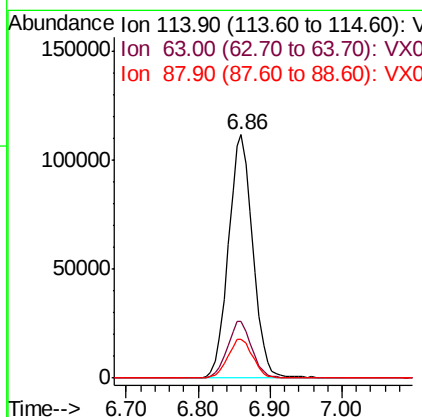
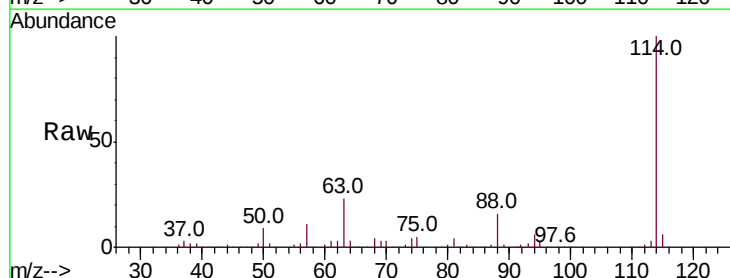
Manual Integrations
 APPROVED

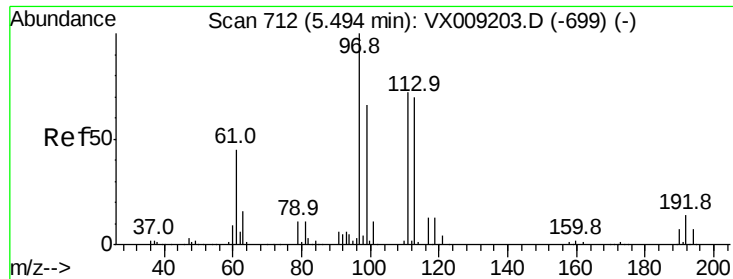
MMDadoda
 5/22/2019 9:40:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.4	0.0	45.6	
88	16.2	0.0	33.2	





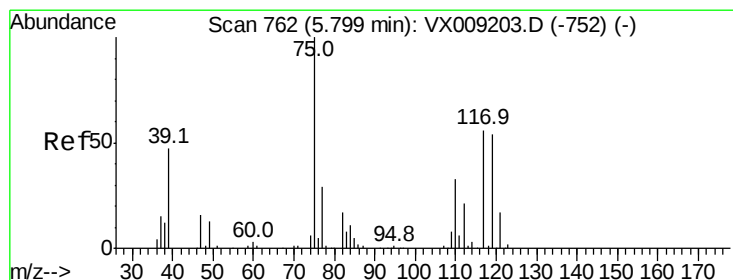
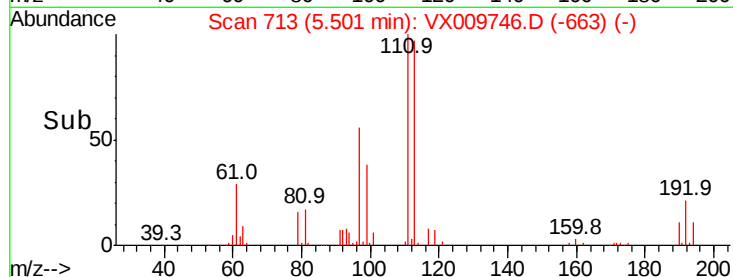
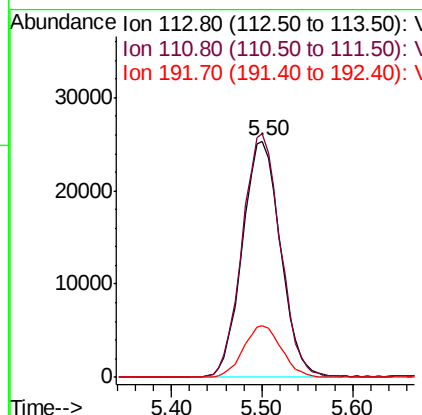
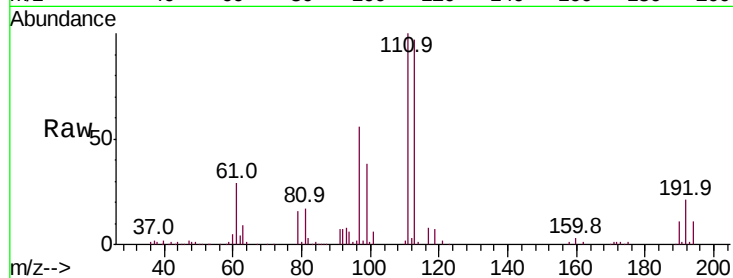
#35
 Dibromofluoromethane
 Concen: 45.026 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.8	124.2
192	21.8	17.0	25.6

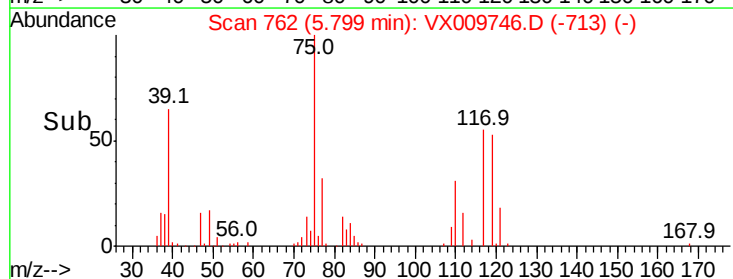
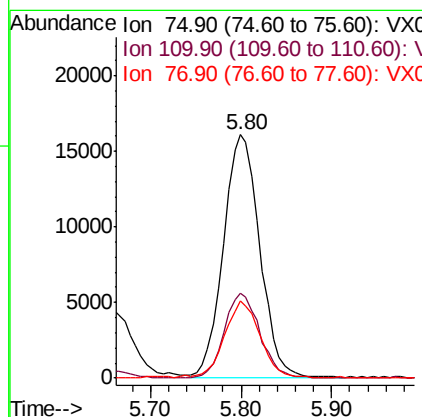
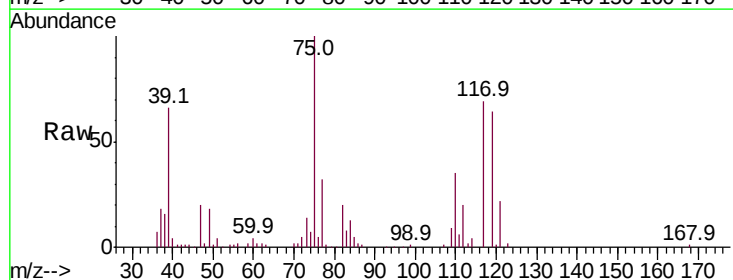
Manual Integrations
 APPROVED

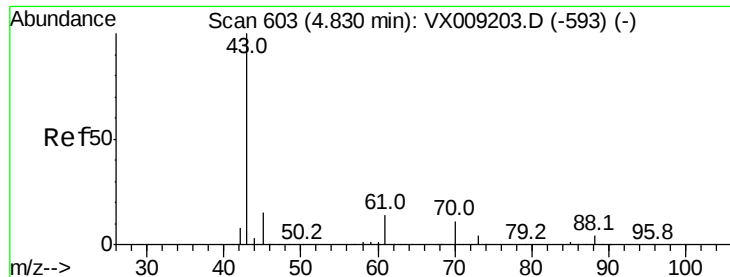
MMDadoda
 5/22/2019 9:40:40 AM



#36
 1,1-Dichloropropene
 Concen: 18.361 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	31.4	24.8	37.2





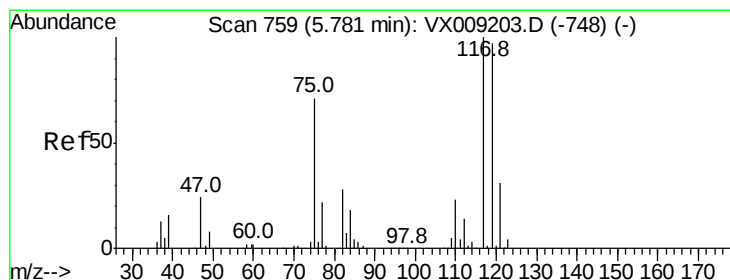
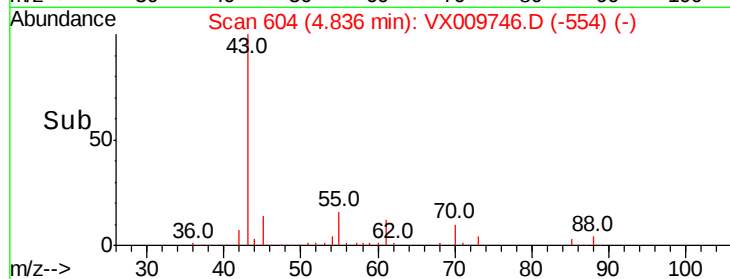
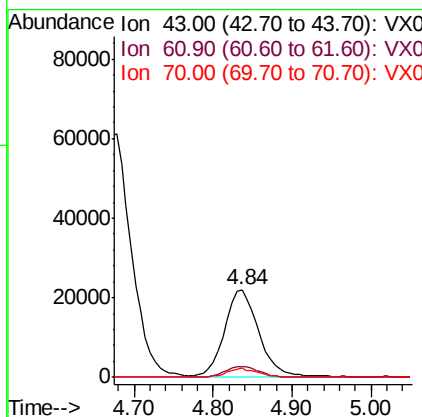
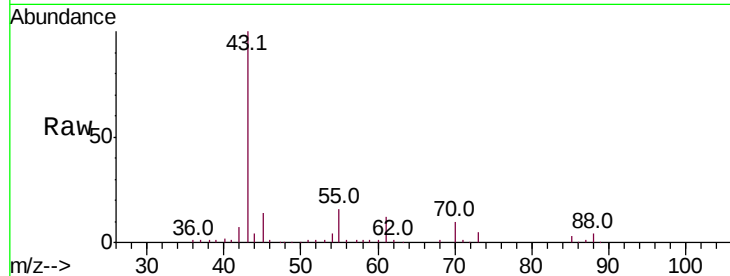
#37
Ethyl Acetate
Concen: 19.253 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.6	7.9	11.9

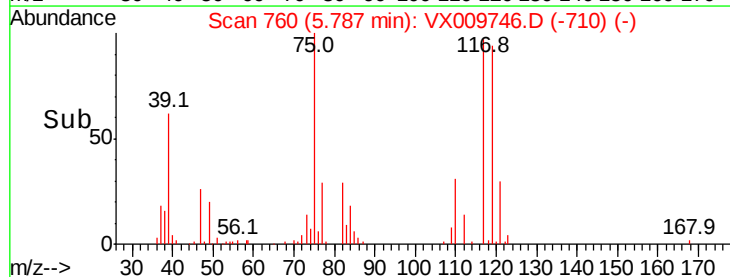
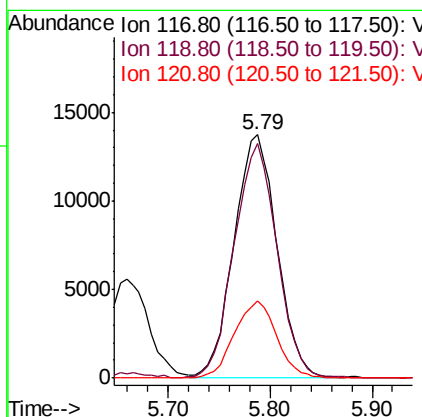
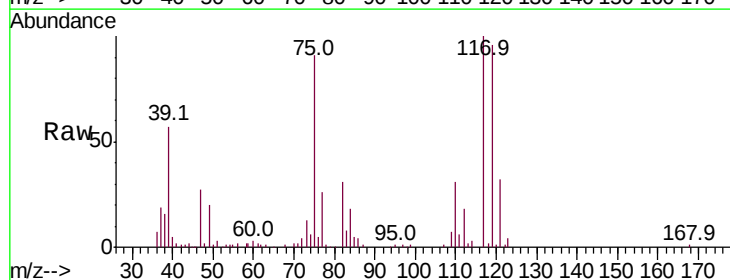
Manual Integrations
APPROVED

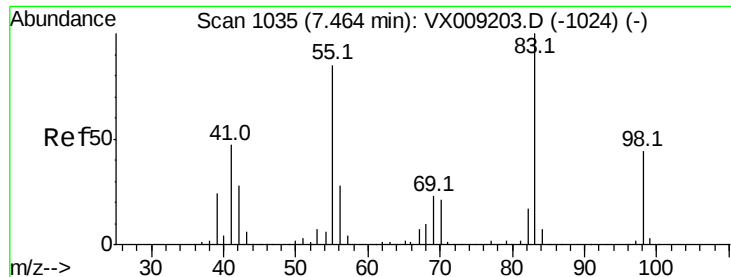
MMDadoda
5/22/2019 9:40:40 AM



#38
Carbon Tetrachloride
Concen: 18.237 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.5	116.3
121	31.7	24.7	37.1





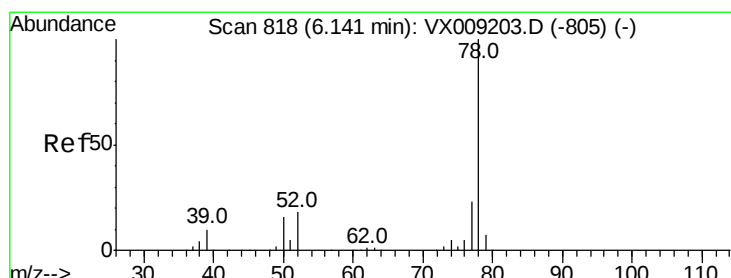
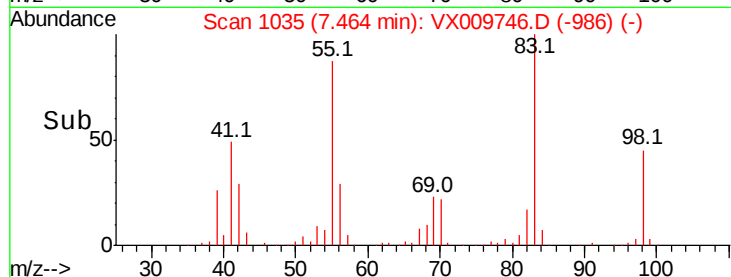
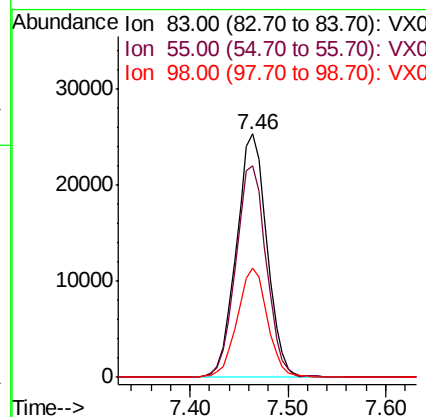
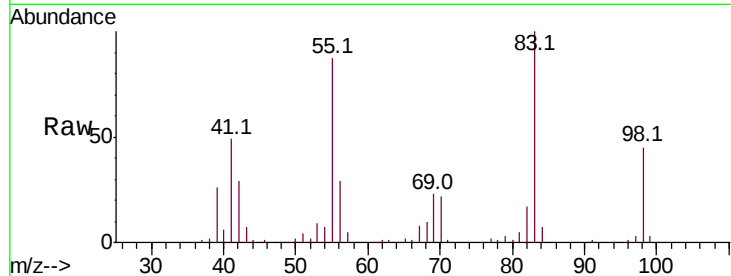
#39
Methvlcvclohexane
Concen: 18.389 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	67.7	101.5
98	44.8	35.5	53.3

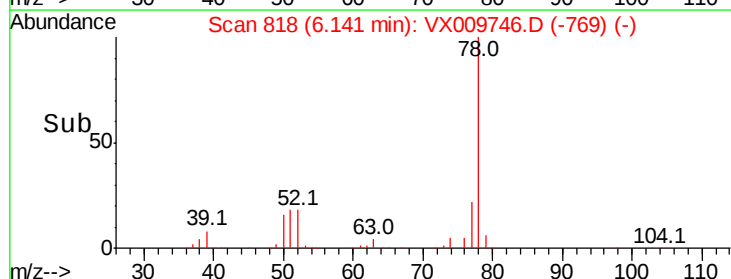
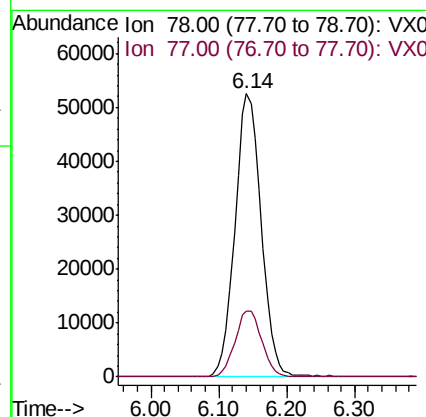
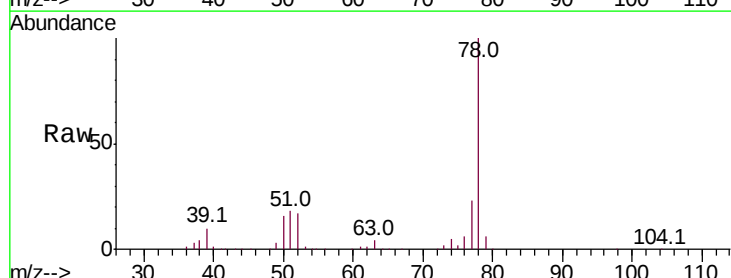
Manual Integrations
APPROVED

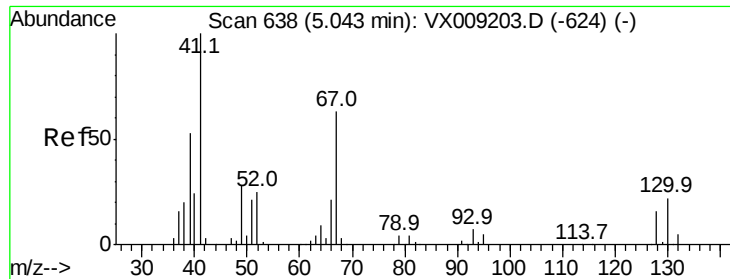
MMDadoda
5/22/2019 9:40:40 AM



#40
Benzene
Concen: 18.663 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 18.116 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

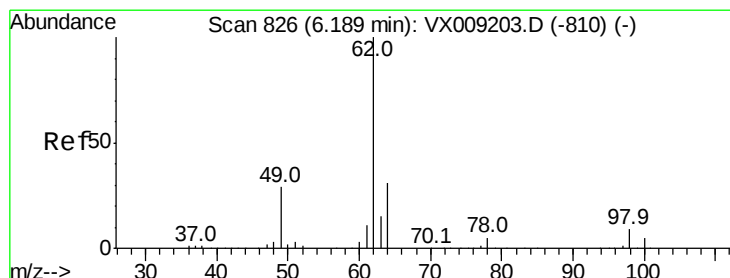
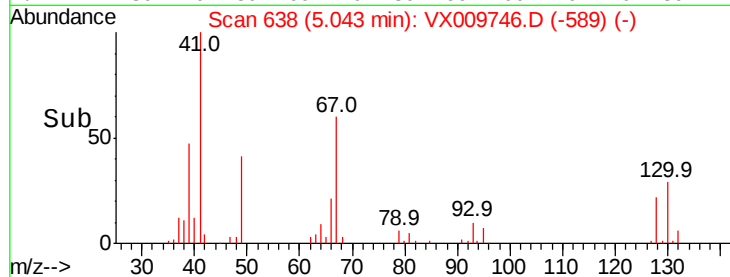
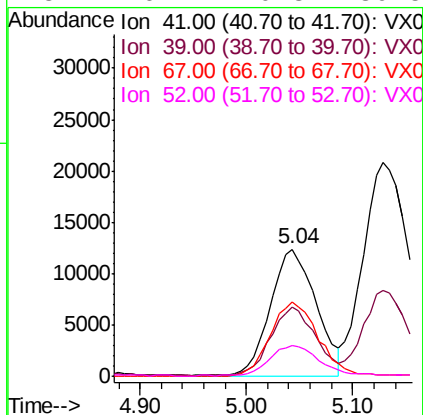
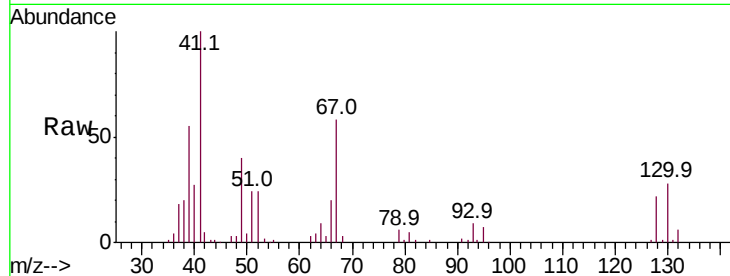
ClientSampleId :

VX0521WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	42.0	63.0	
67	61.9	49.8	74.8	
52	26.4	20.3	30.5	

Manual Integrations
APPROVED

MMDadoda
5/22/2019 9:40:40 AM



#42

1,2-Dichloroethane

Concen: 18.582 ug/l

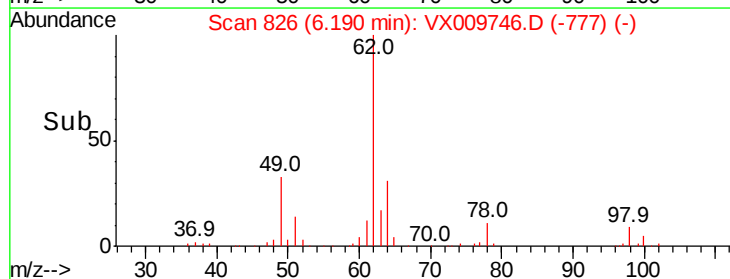
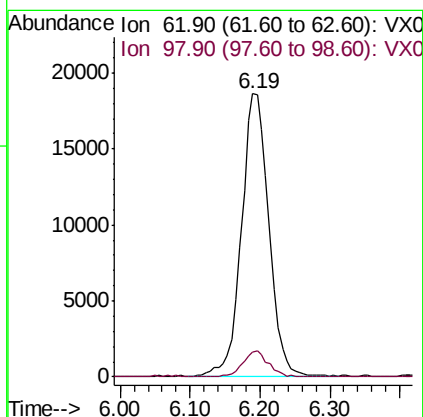
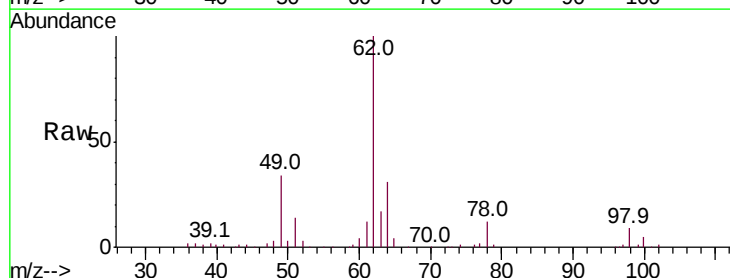
RT: 6.19 min Scan# 826

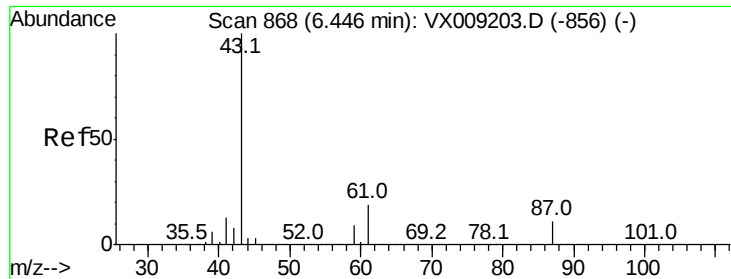
Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	18.2	





#43

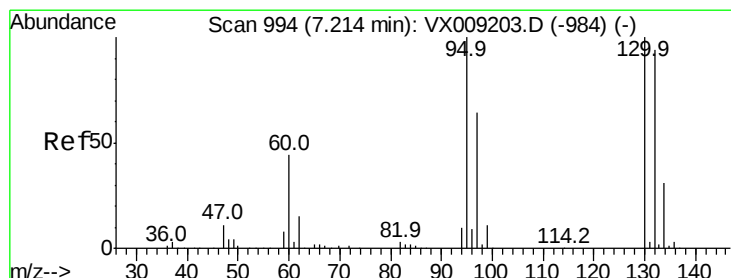
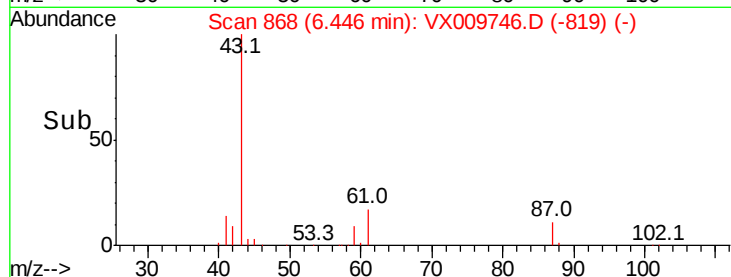
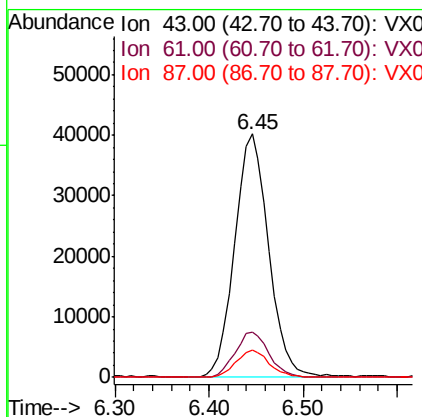
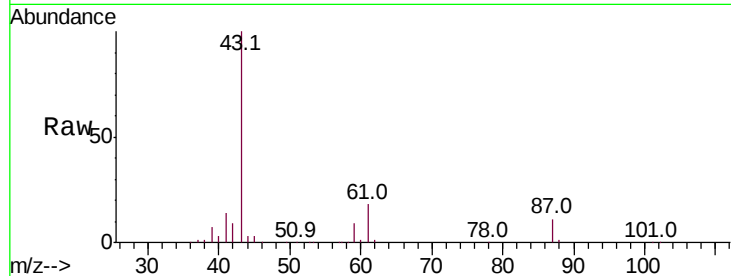
Isopropyl Acetate
 Concen: 18.558 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	11.1	9.0	13.6

Manual Integrations
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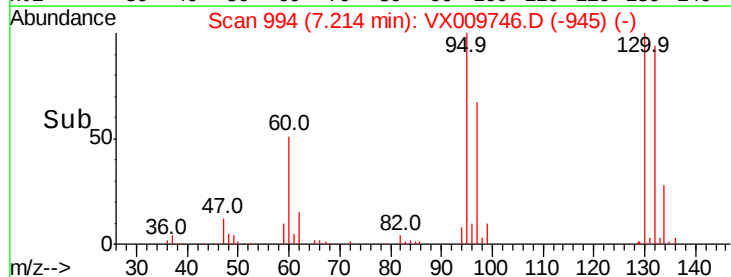
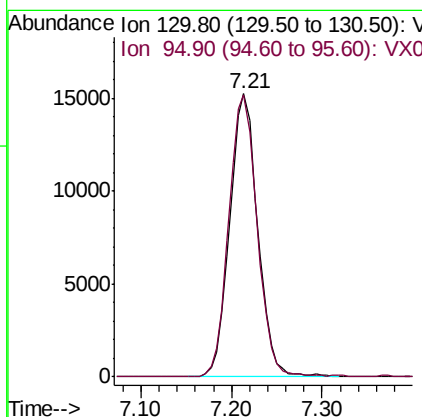
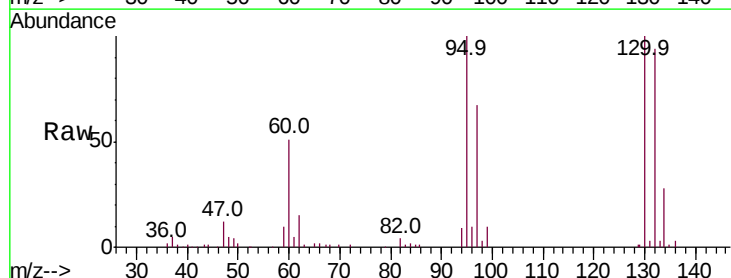
MMDadoda
 5/22/2019 9:40:40 AM

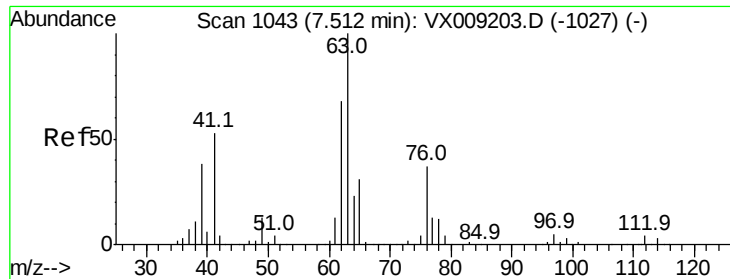


#44

Trichloroethene
 Concen: 17.880 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	199.2





#45

1,2-Dichloropropane

Concen: 18.475 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 63 Resp: 39432

Ion Ratio Lower Upper

63 100

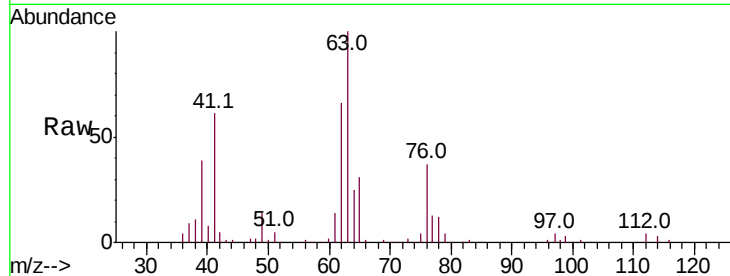
65 30.3 25.0 37.6

Manual Integrations

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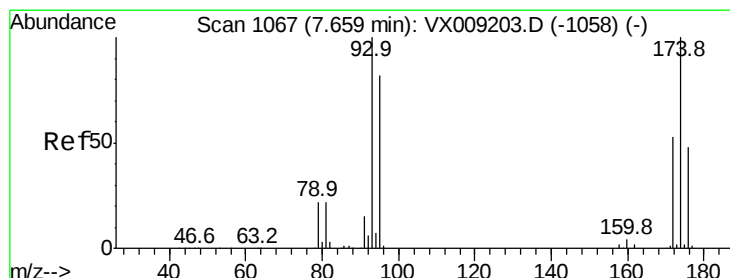
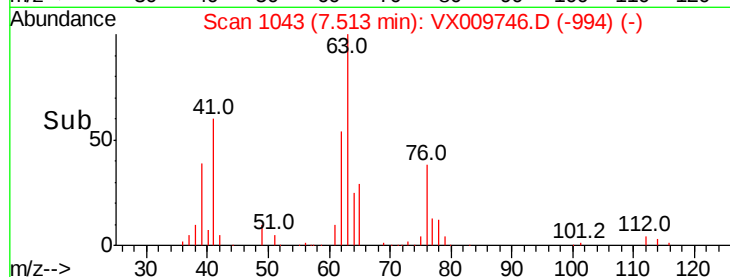
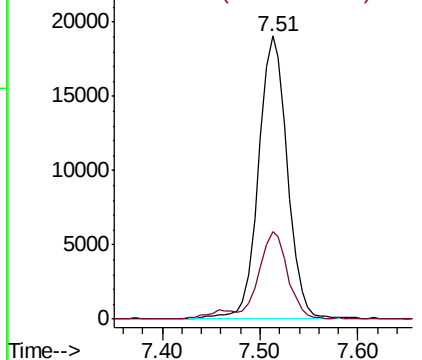
MMDadoda

5/22/2019 9:40:40 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.826 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

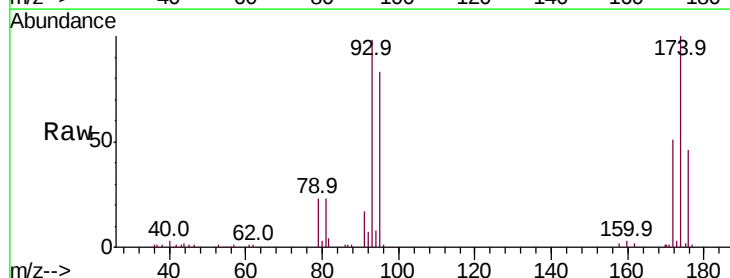
Tgt Ion: 93 Resp: 22094

Ion Ratio Lower Upper

93 100

95 84.2 66.5 99.7

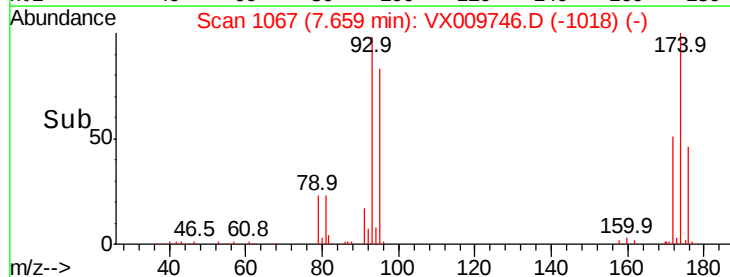
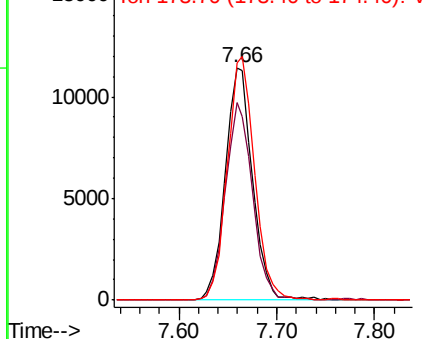
174 104.7 82.1 123.1

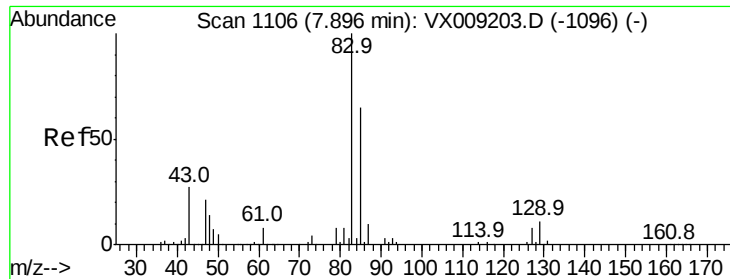


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





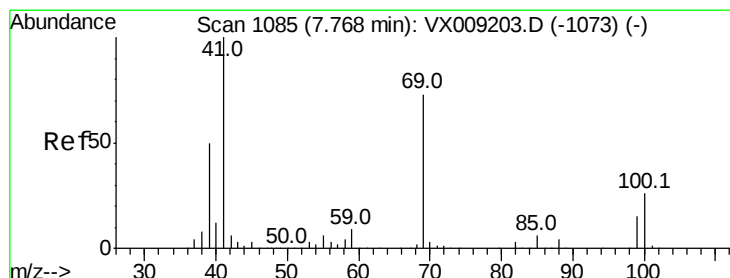
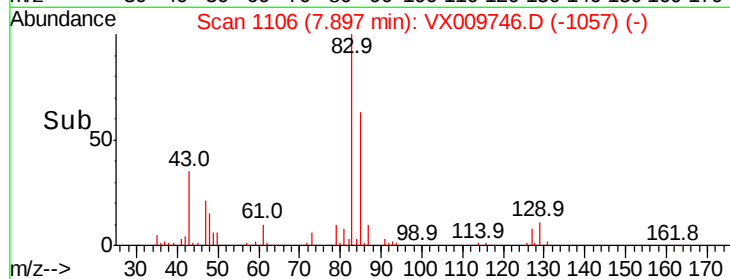
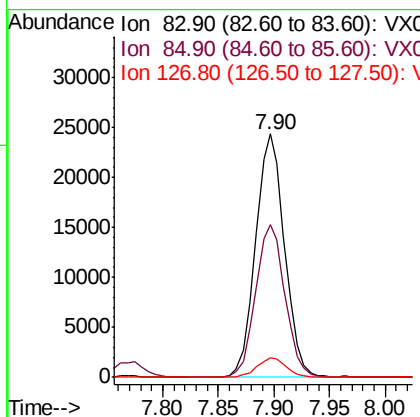
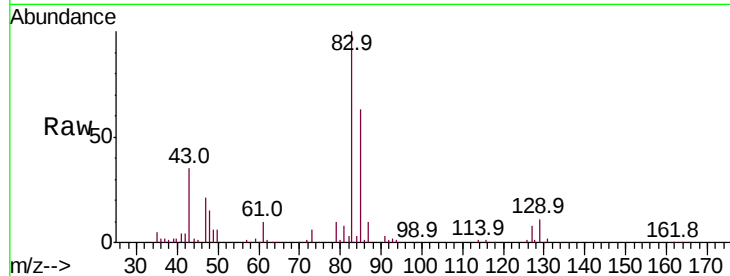
#47
Bromodichloromethane
Concen: 17.826 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.4	78.6
127	8.2	6.6	10.0

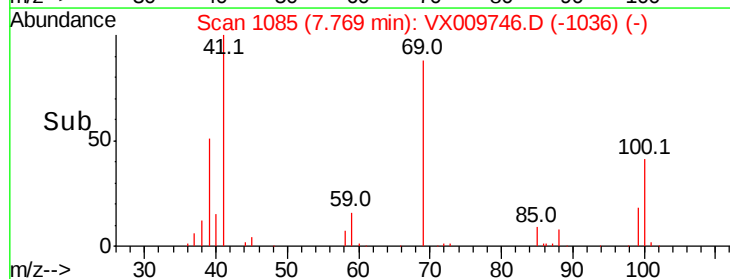
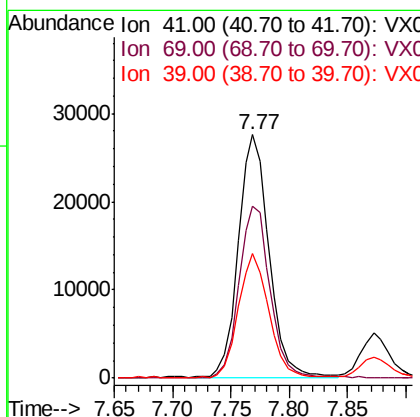
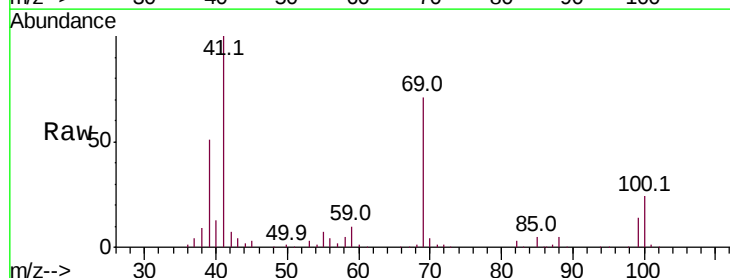
Manual Integrations
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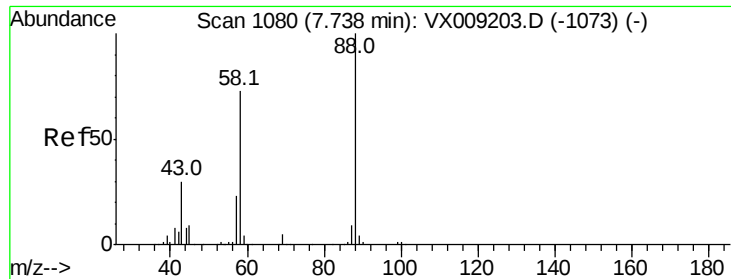
MMDadoda
5/22/2019 9:40:40 AM



#48
Methyl methacrylate
Concen: 18.638 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.9	59.1	88.7
39	50.8	40.4	60.6





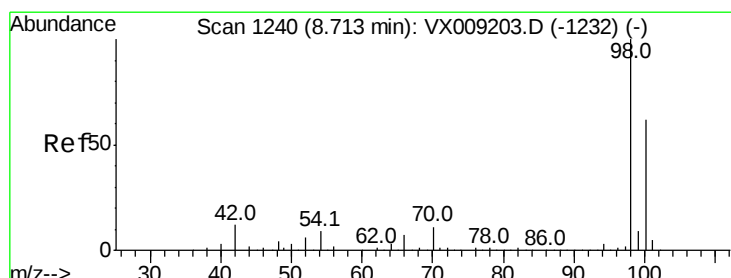
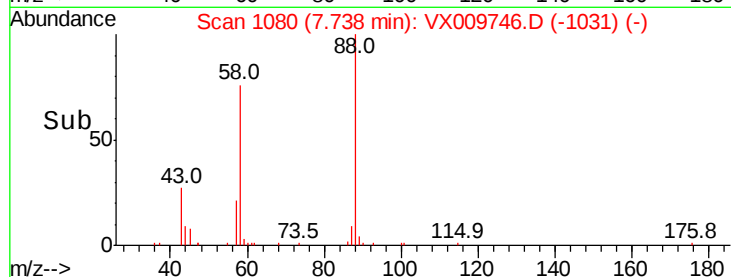
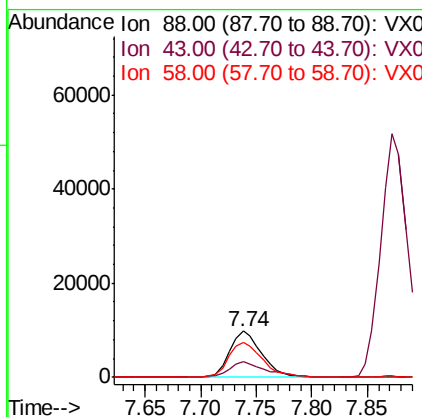
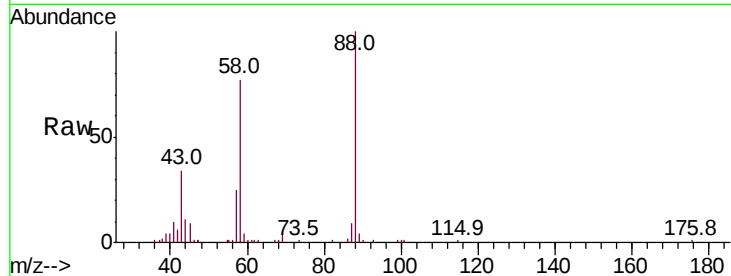
#49
1,4-Dioxane
Concen: 359.860 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	28.6	42.8
58	80.5	61.7	92.5

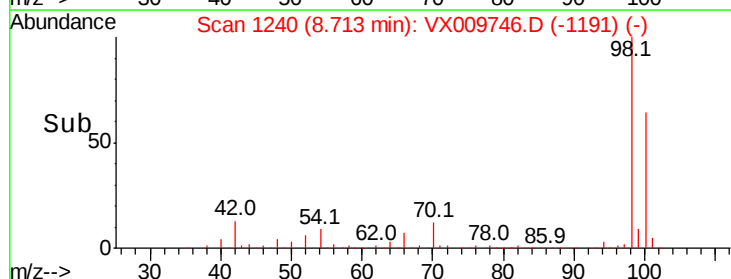
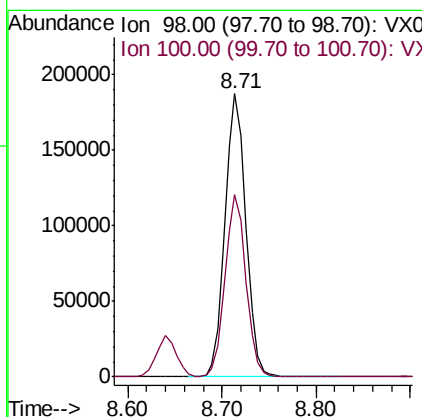
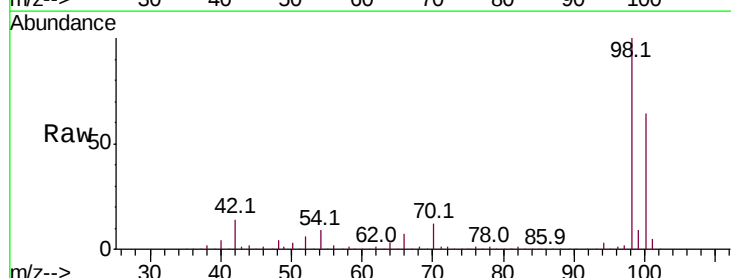
Manual Integrations
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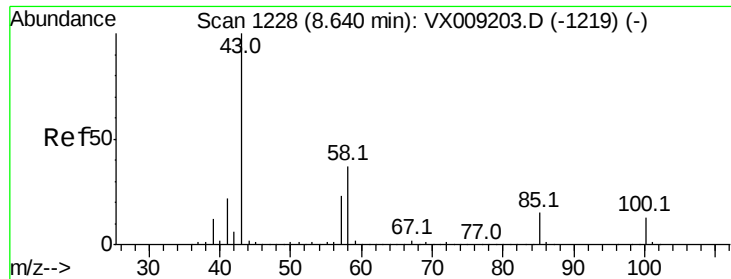
MMDadoda
5/22/2019 9:40:40 AM



#50
Toluene-d8
Concen: 43.395 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 96.019 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampled :

VX0521WBS01

Tot Ion: 43 Resp: 340662

Ion Ratio Lower Upper

43 100

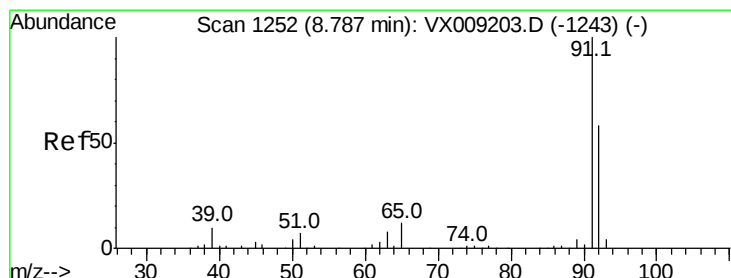
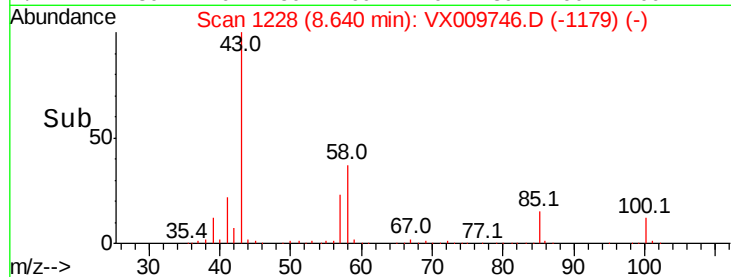
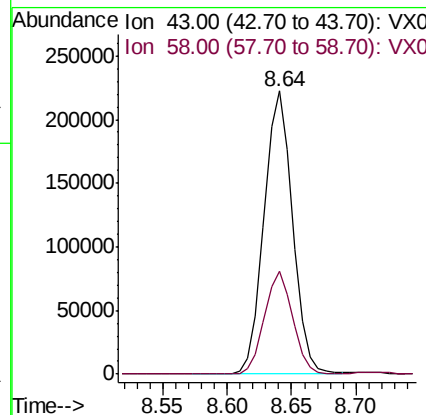
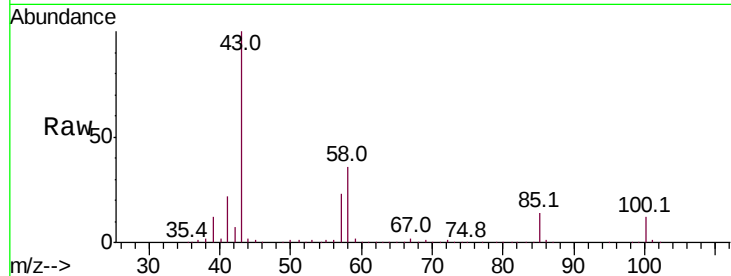
58 36.2 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

5/22/2019 9:40:40 AM



#52

Toluene

Concen: 18.639 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009746.D

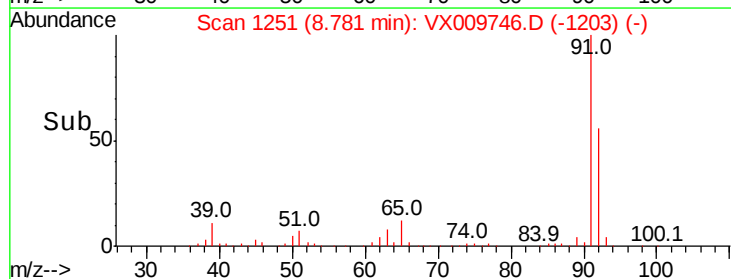
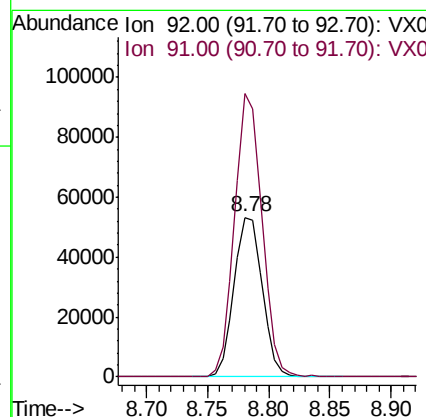
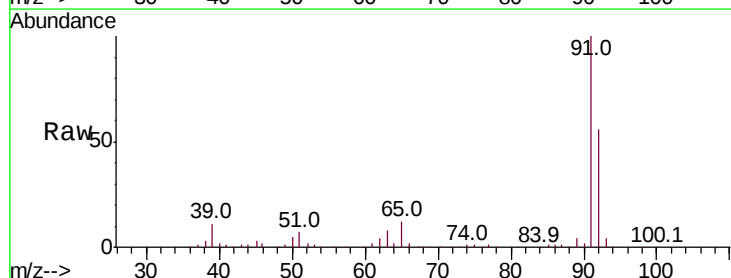
Acq: 21 May 2019 14:37

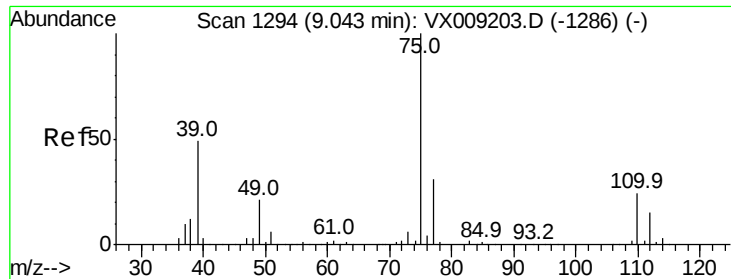
Tgt Ion: 92 Resp: 85404

Ion Ratio Lower Upper

92 100

91 172.1 138.8 208.2





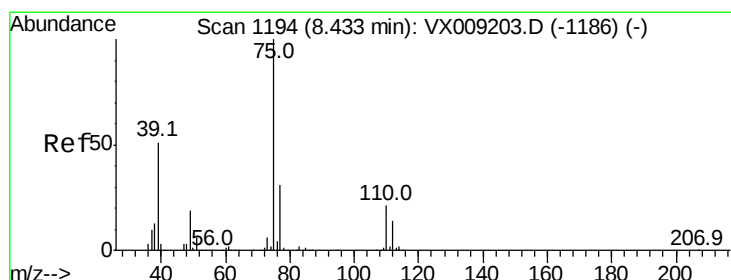
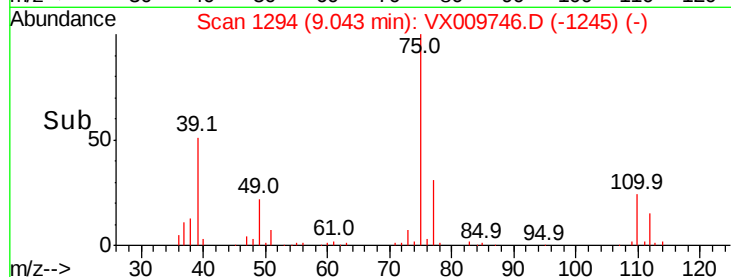
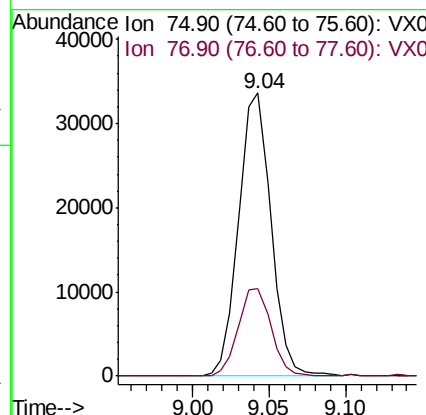
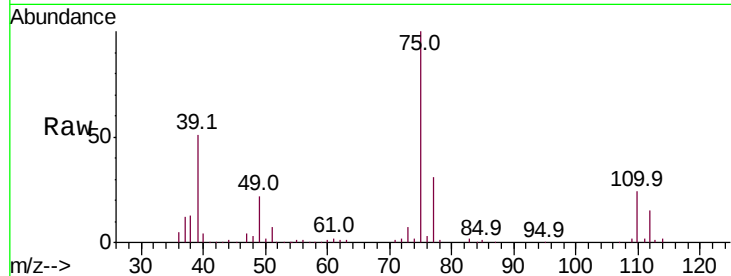
#53
t-1,3-Dichloropropene
Concen: 17.739 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion: 75 Resp: 49516
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6

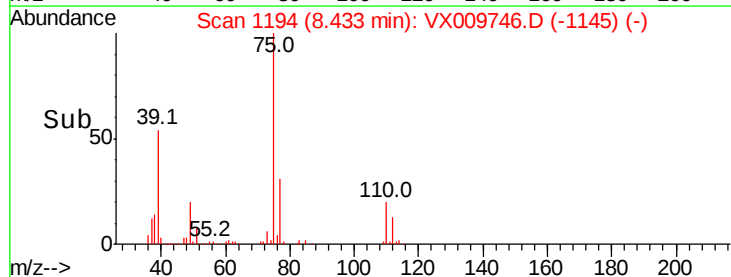
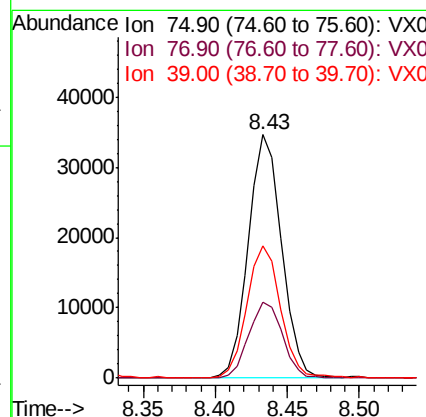
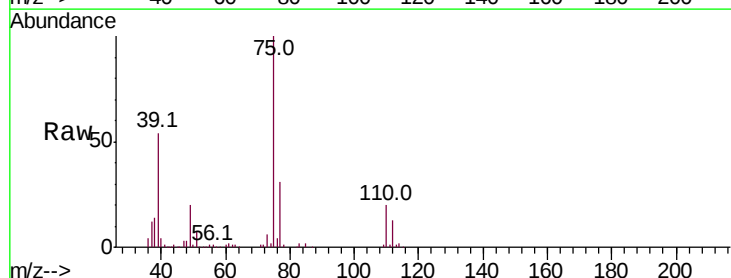
Manual Integrations
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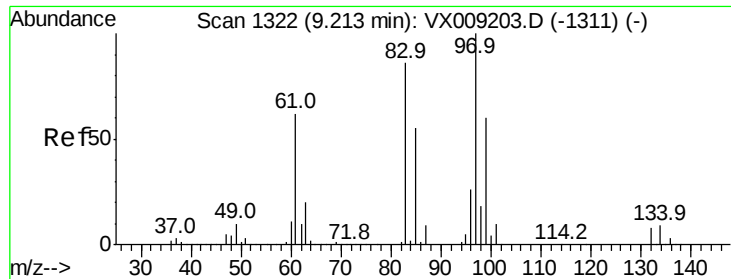
MMDadoda
5/22/2019 9:40:40 AM



#54
cis-1,3-Dichloropropene
Concen: 17.945 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion: 75 Resp: 55442
Ion Ratio Lower Upper
75 100
77 31.3 24.6 36.8
39 54.1 40.6 60.8





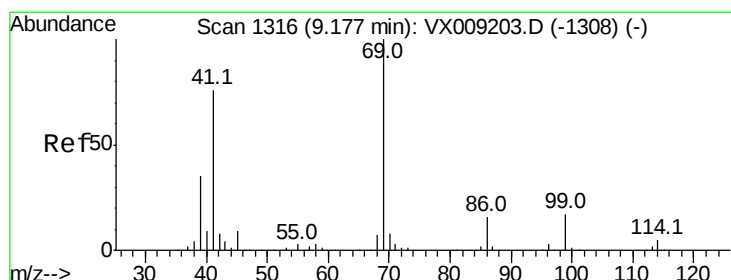
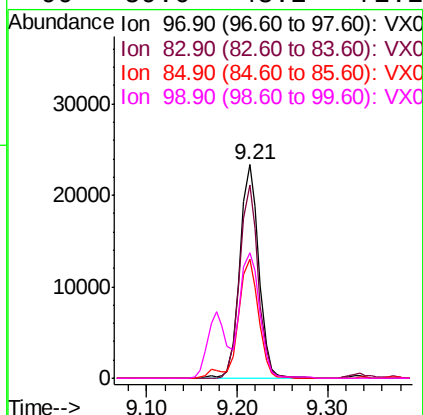
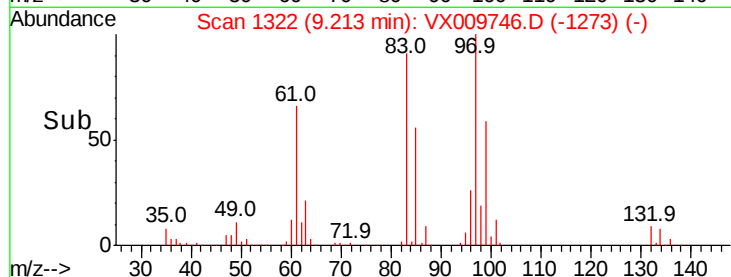
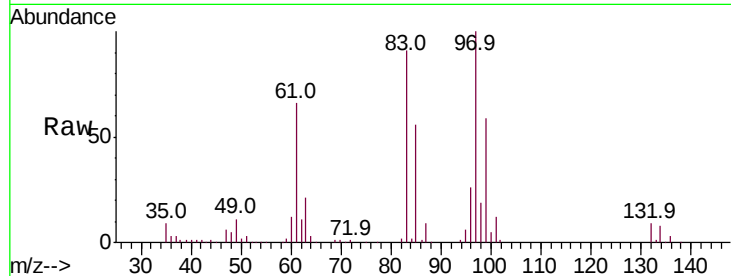
#55
1,1,2-Trichloroethane
Concen: 18.213 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	34046		
83	90.8	68.9	103.3	
85	55.7	43.8	65.6	
99	59.0	48.2	72.2	

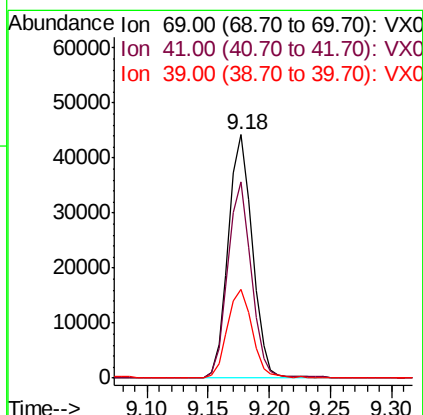
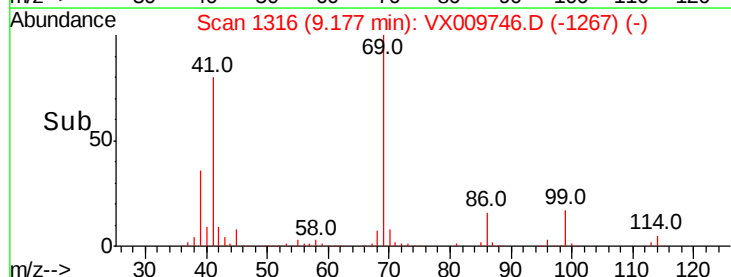
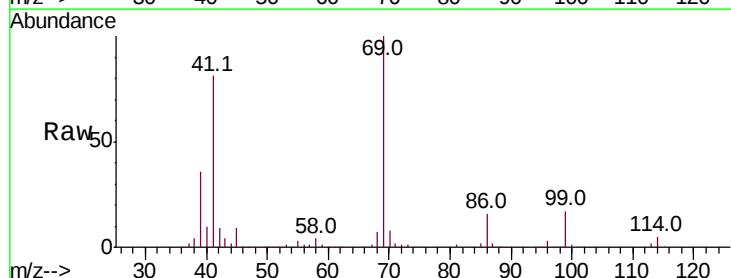
Manual Integrations
APPROVED

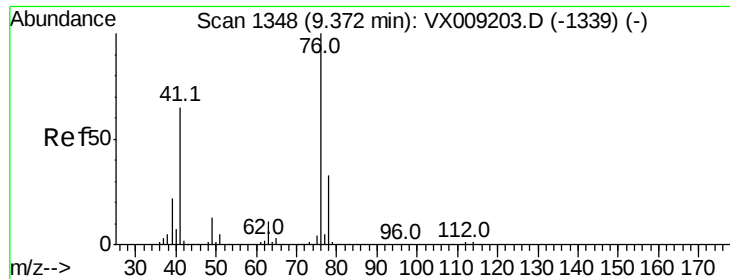
MMDadoda
5/22/2019 9:40:40 AM



#56
Ethyl methacrylate
Concen: 18.176 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	60649		
41	78.6	60.6	90.8	
39	37.7	28.2	42.4	





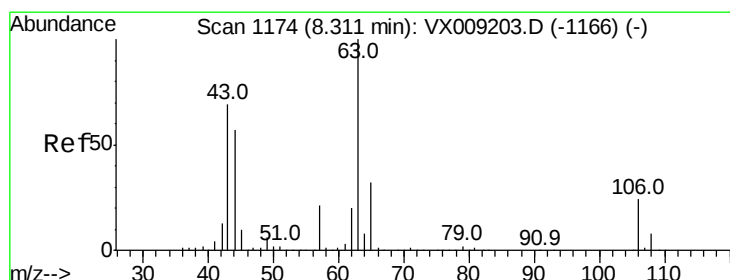
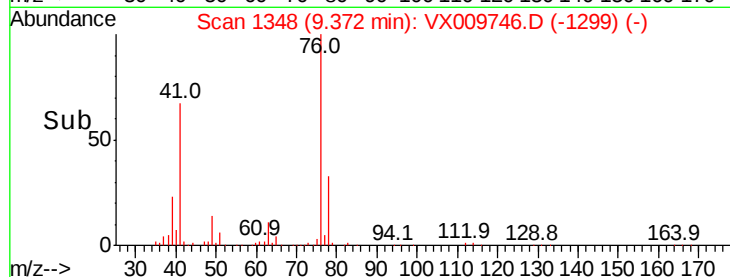
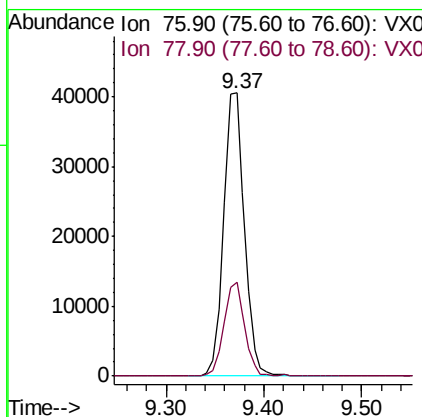
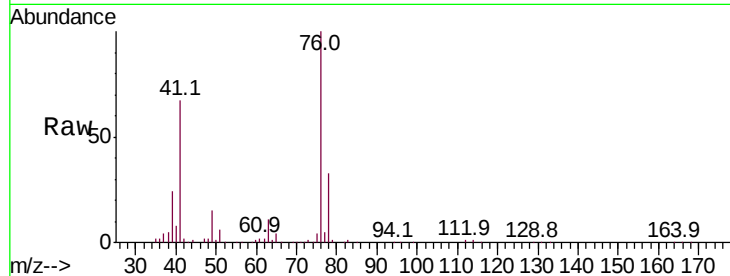
#57
 1,3-Dichloropropane
 Concen: 18.167 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Tot Ion: 76 Resp: 59760
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3

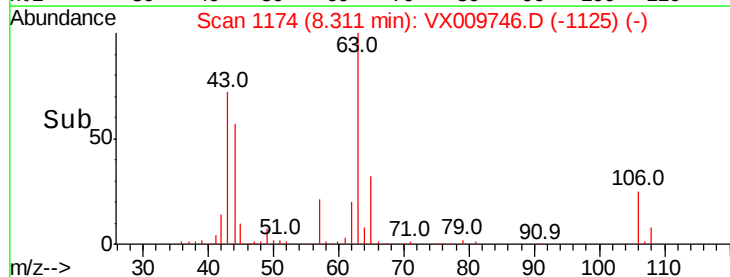
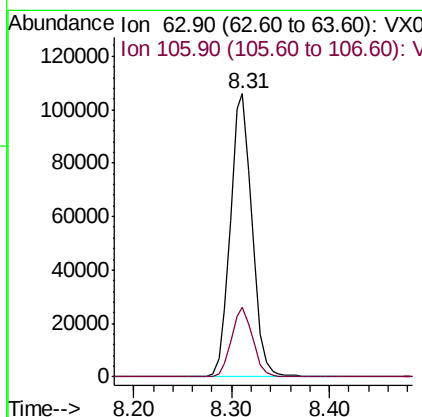
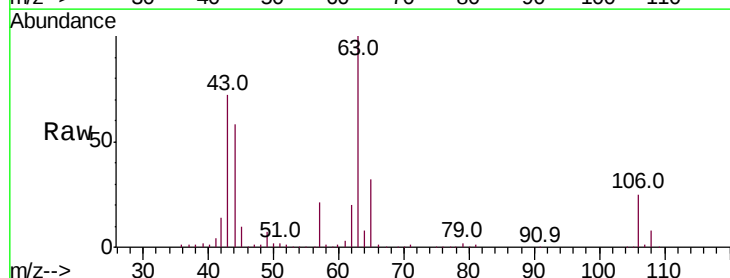
Manual Integrations
 APPROVED

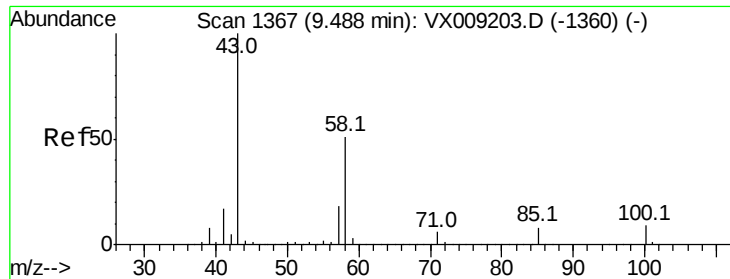
MMDadoda
 5/22/2019 9:40:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.078 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Tgt Ion: 63 Resp: 162993
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





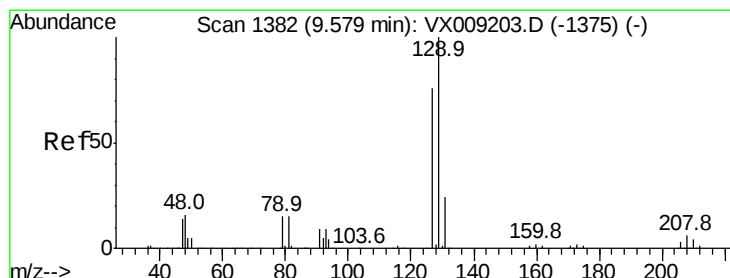
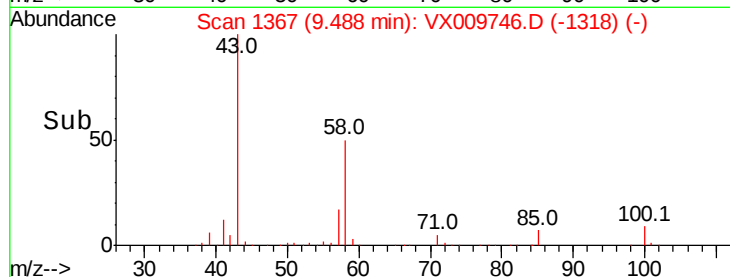
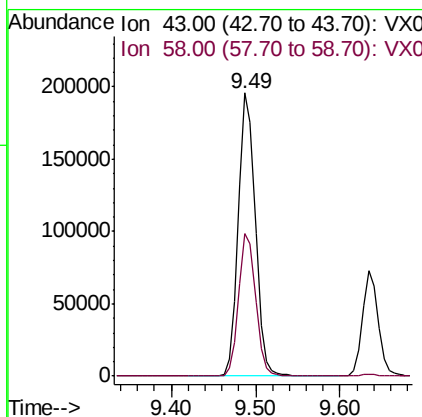
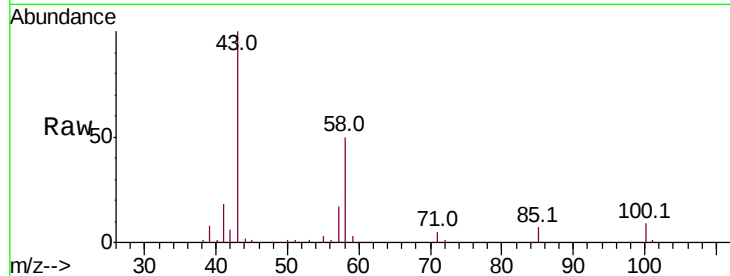
#59
2-Hexanone
Concen: 94.861 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion: 43 Resp: 264325
Ion Ratio Lower Upper
43 100
58 50.5 25.9 77.7

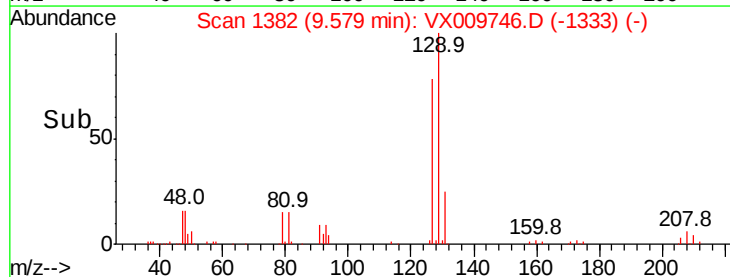
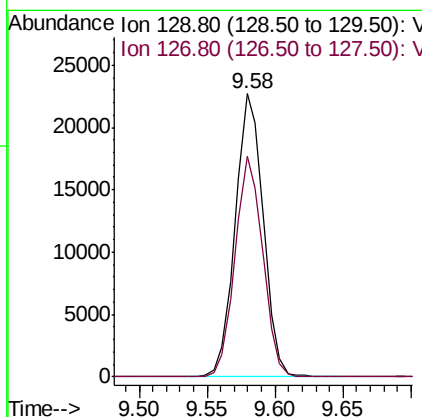
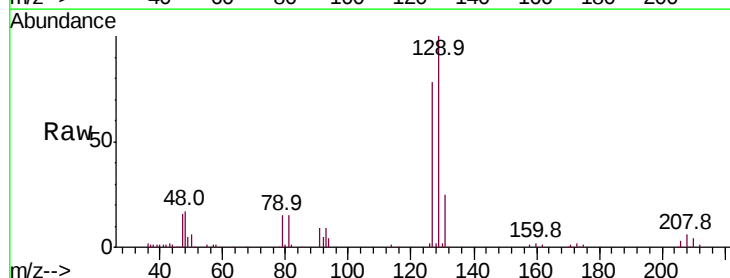
Manual Integrations
APPROVED

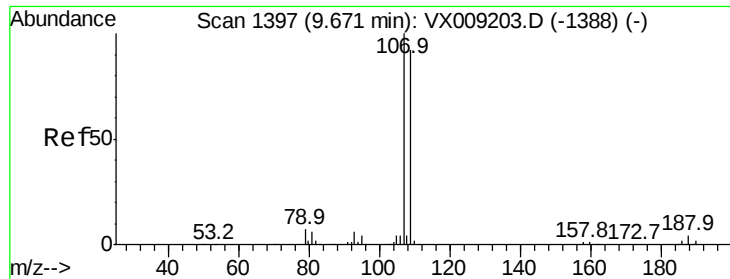
MMDadoda
5/22/2019 9:40:40 AM



#60
Dibromochloromethane
Concen: 17.817 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion: 129 Resp: 32528
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.101 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion:107 Resp: 34155

Ion Ratio Lower Upper

107 100

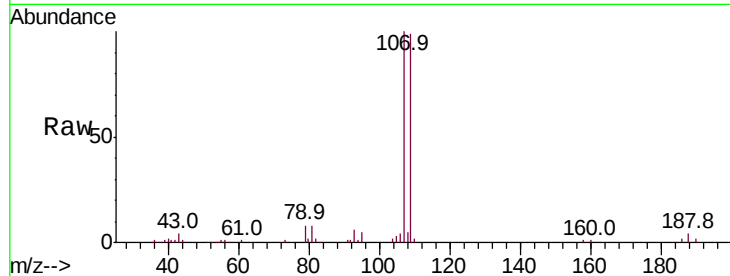
109 95.6 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

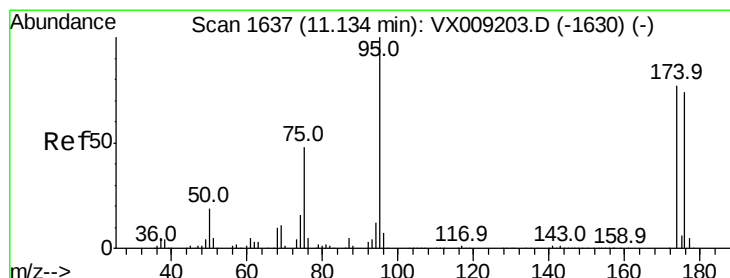
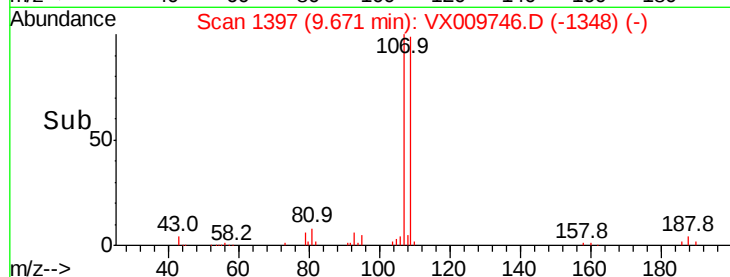
10000

5000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 44.174 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

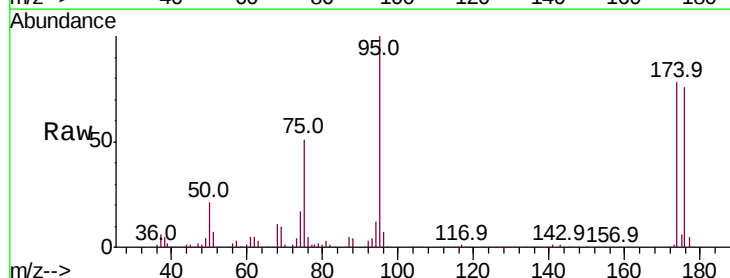
Tgt Ion: 95 Resp: 106764

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

176 79.9 0.0 159.2



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

120000

100000

80000

60000

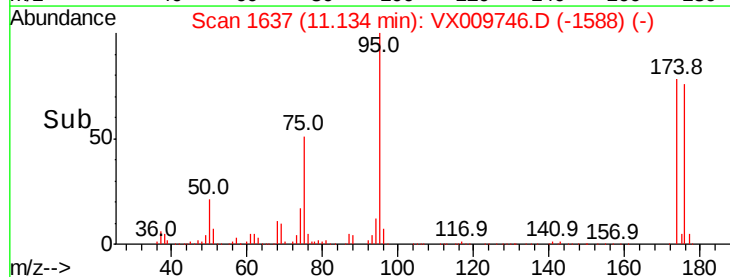
40000

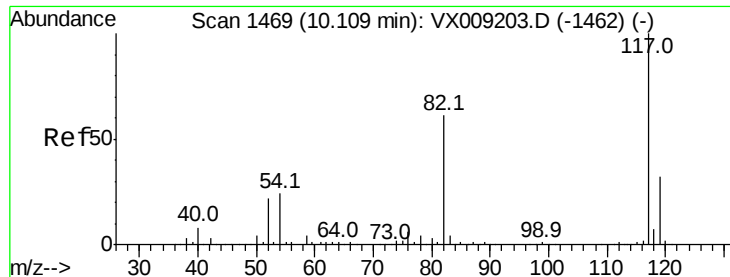
20000

0

11.10 11.13 11.20

Time-->





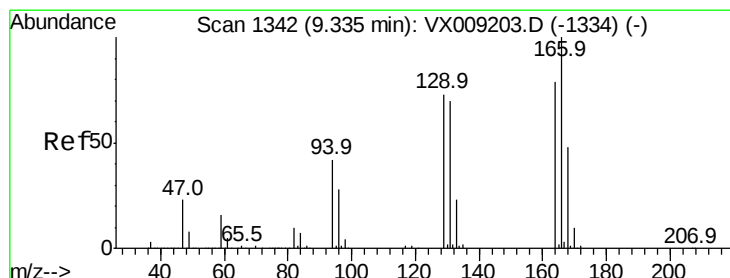
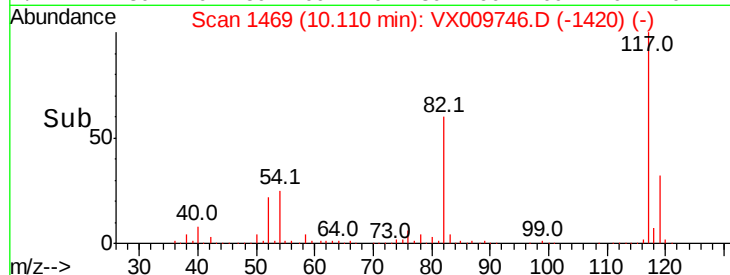
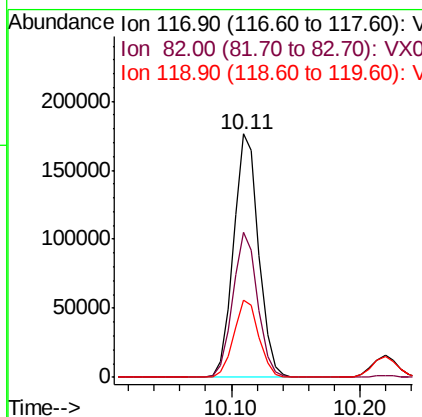
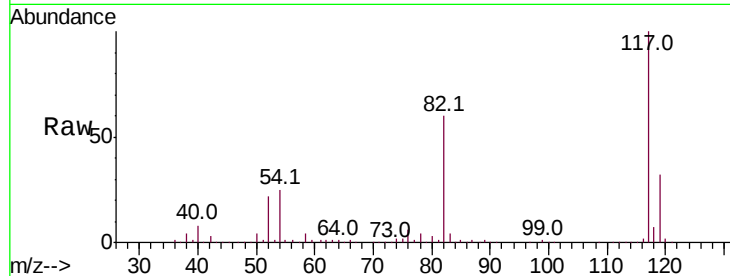
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.8	73.2
119	31.9	25.8	38.6

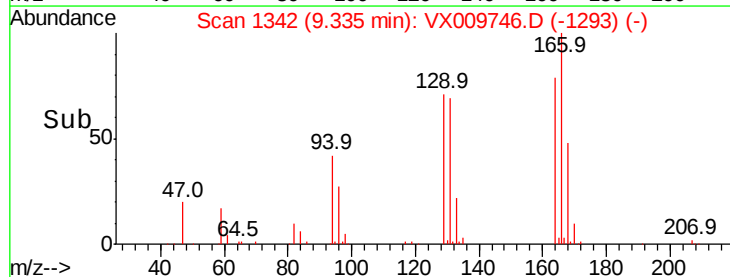
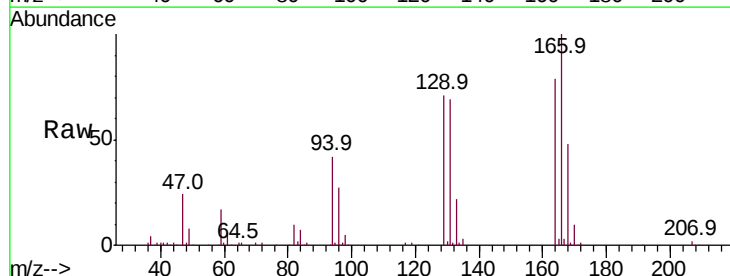
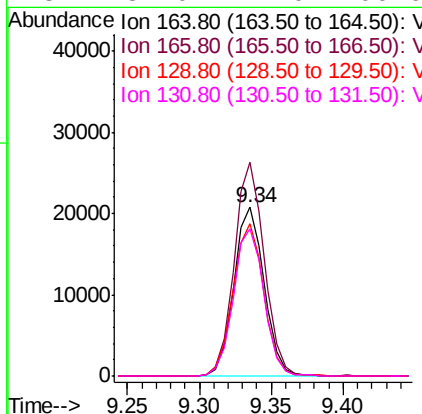
Manual Integrations
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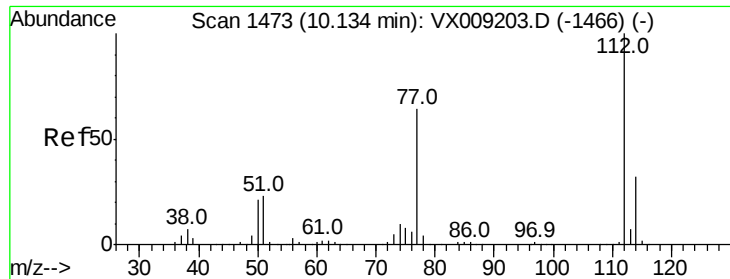
MMDadoda
5/22/2019 9:40:40 AM



#64
Tetrachloroethene
Concen: 18.545 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.2	151.8
129	90.6	74.3	111.5
131	87.0	71.0	106.6





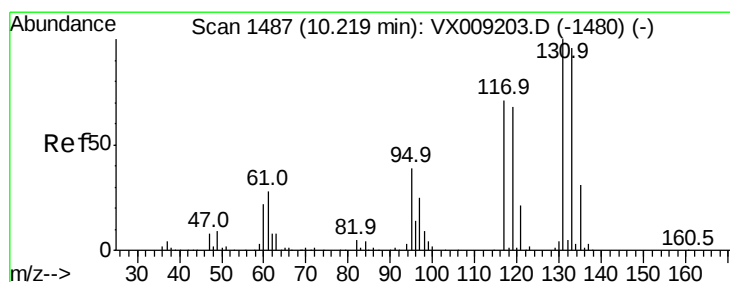
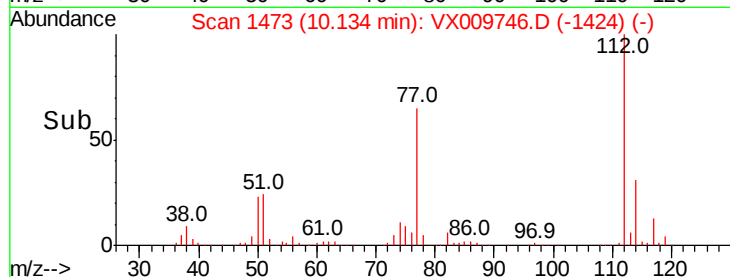
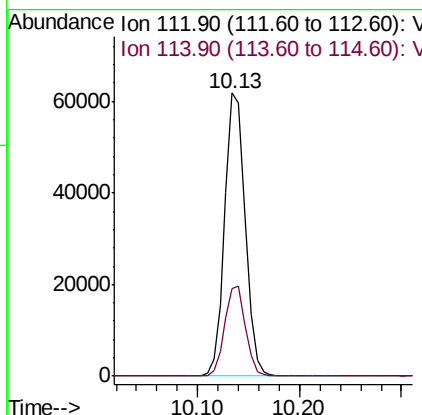
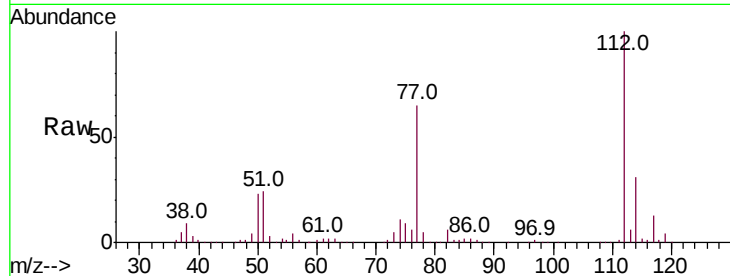
#65
Chlorobenzene
Concen: 18.092 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion:112 Resp: 86473
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3

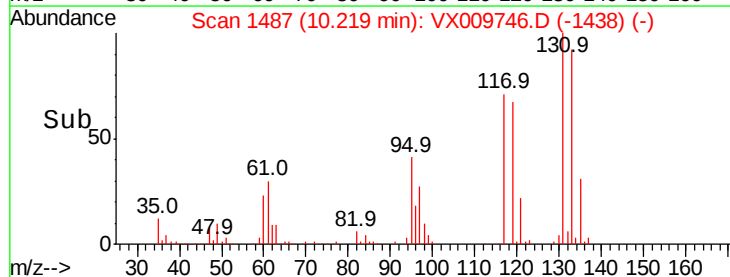
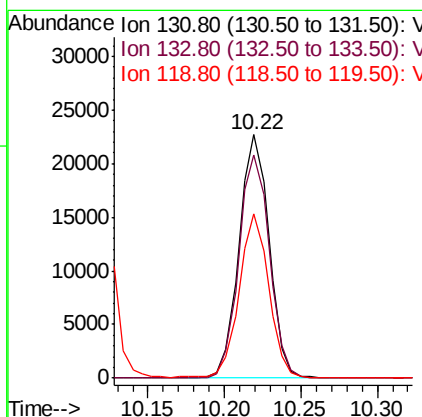
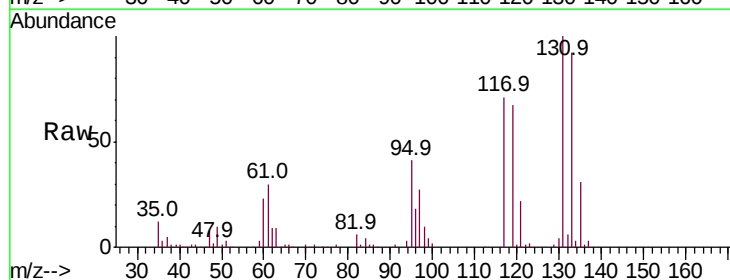
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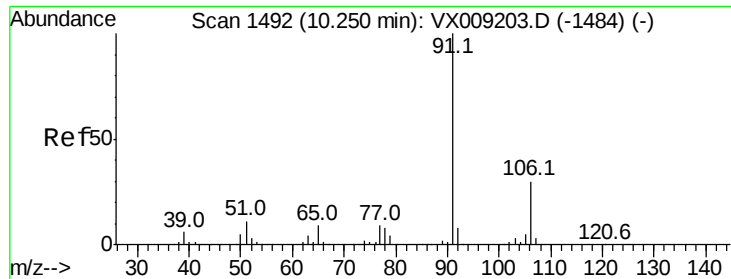
MMDadoda
5/22/2019 9:40:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.813 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion:131 Resp: 30866
Ion Ratio Lower Upper
131 100
133 94.2 47.7 143.1
119 67.3 33.5 100.4





#67

Ethyl Benzene

Concen: 18.183 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 91 Resp: 159943

Ion Ratio Lower Upper

91 100

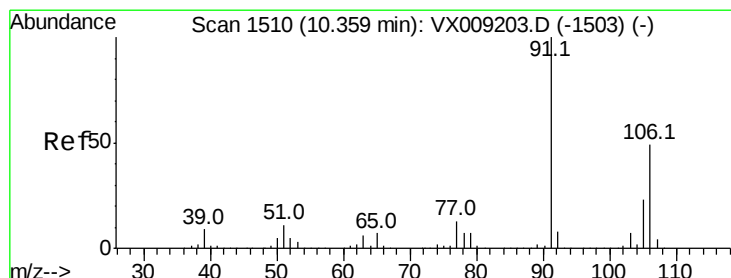
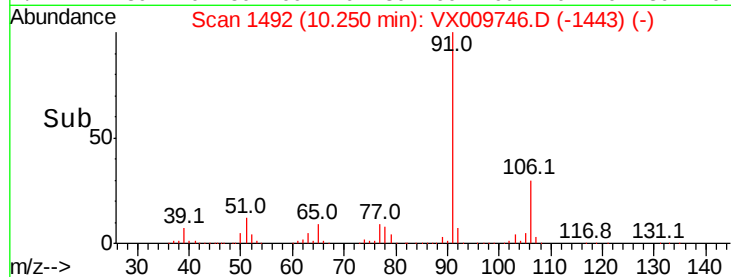
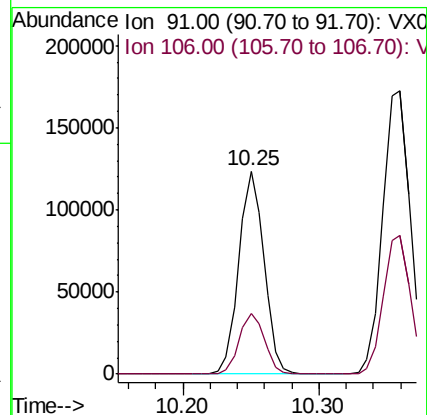
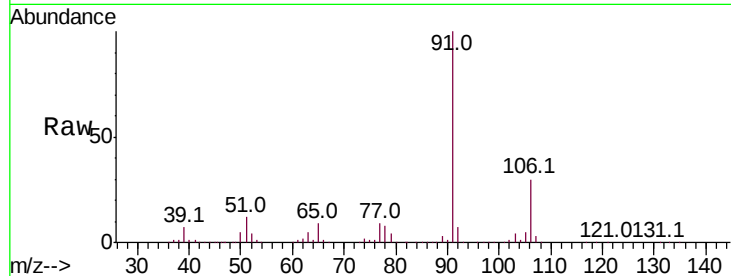
106 29.5 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 36.658 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009746.D

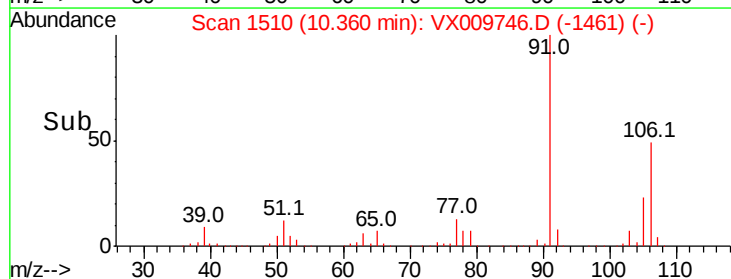
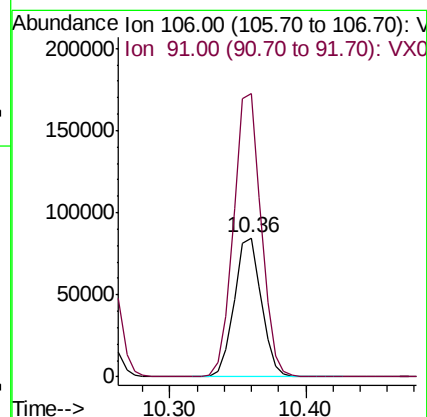
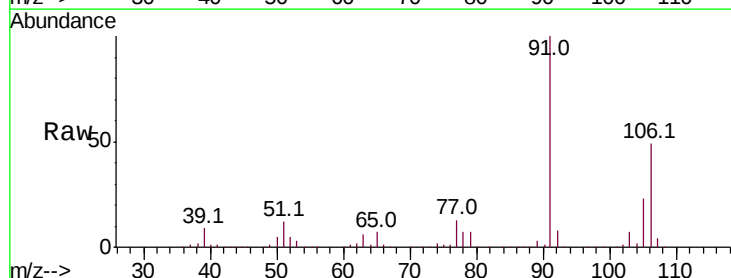
Acq: 21 May 2019 14:37

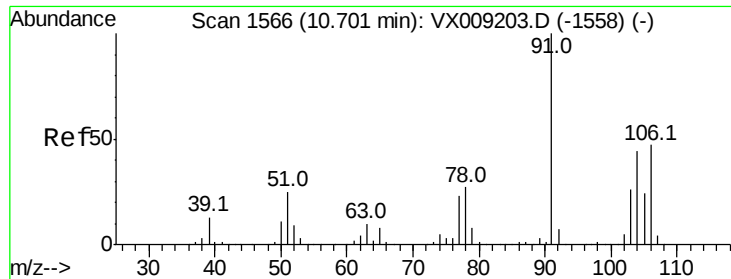
Tgt Ion: 106 Resp: 117834

Ion Ratio Lower Upper

106 100

91 206.0 164.0 246.0





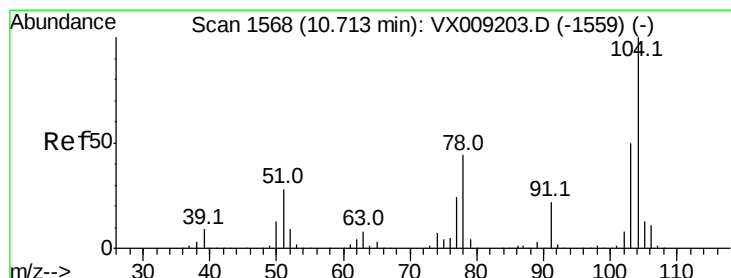
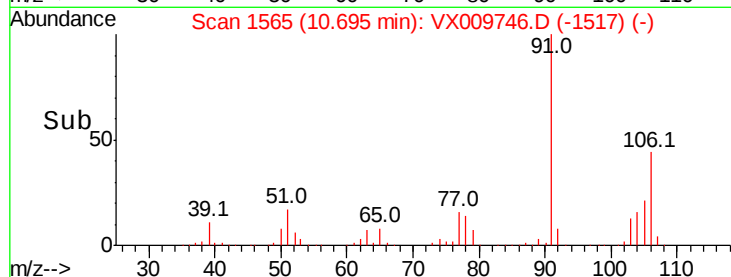
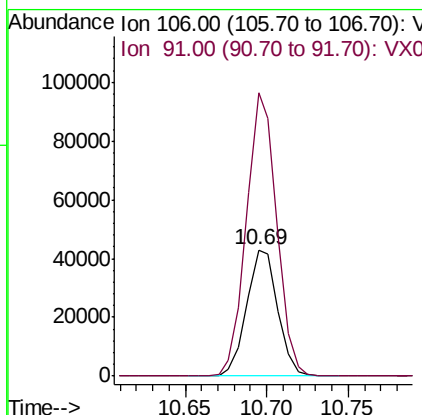
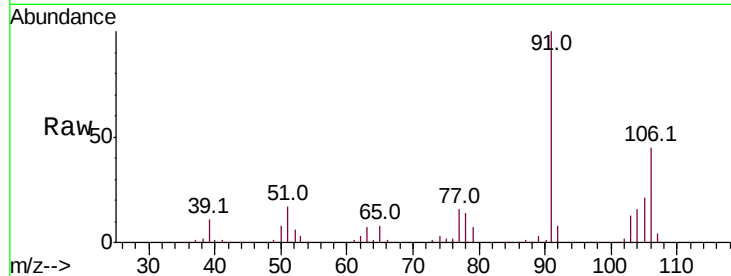
#69
o-Xylene
Concen: 18.025 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion:106 Resp: 57167
Ion Ratio Lower Upper
106 100
91 219.4 109.5 328.4

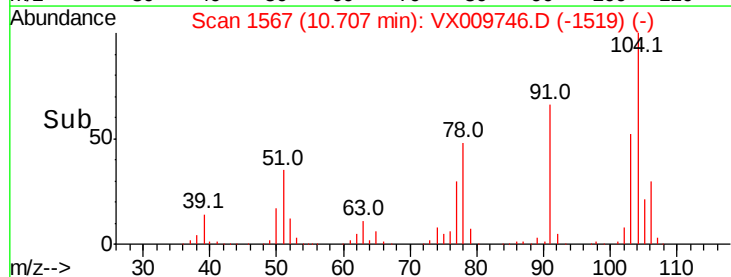
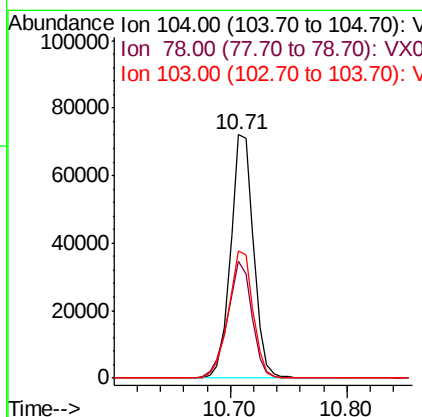
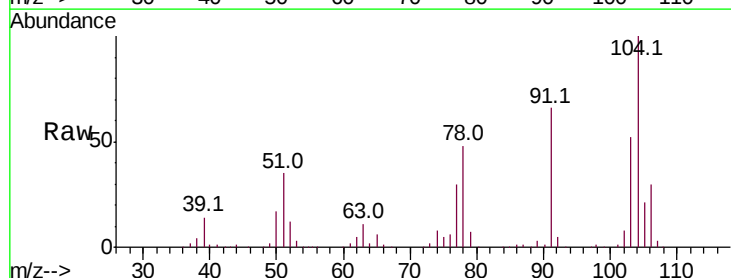
Manual Integrations
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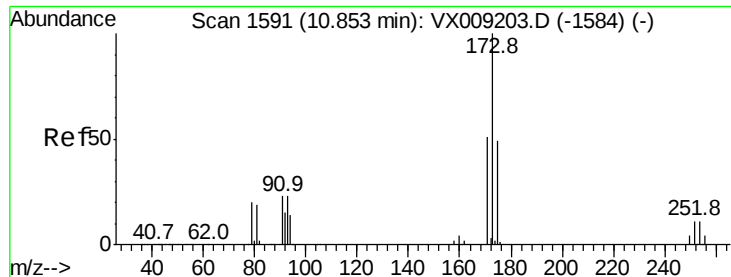
MMDadoda
5/22/2019 9:40:40 AM



#70
Styrene
Concen: 17.904 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion:104 Resp: 98694
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 56.0 43.8 65.6





#71

Bromoform

Concen: 17.473 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion:173 Resp: 24605

Ion Ratio Lower Upper

173 100

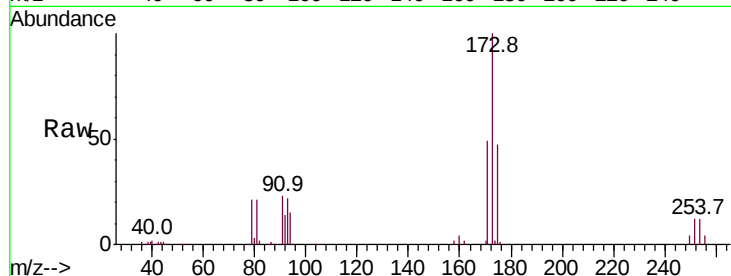
175 47.7 24.5 73.5

254 0.0 0.1 0.1#

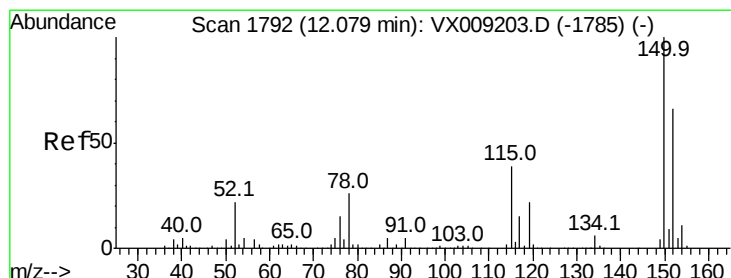
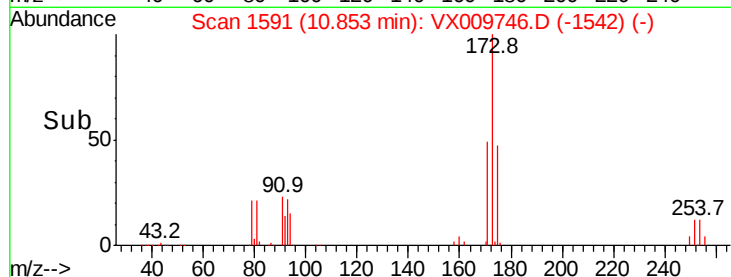
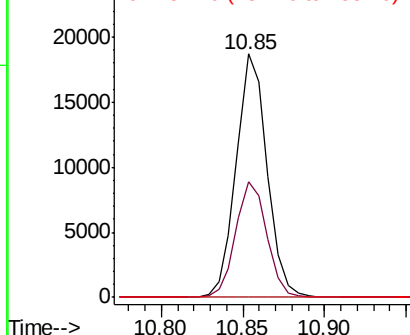
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

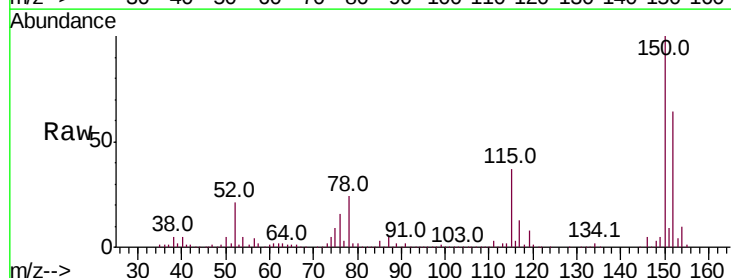
Tgt Ion:152 Resp: 113398

Ion Ratio Lower Upper

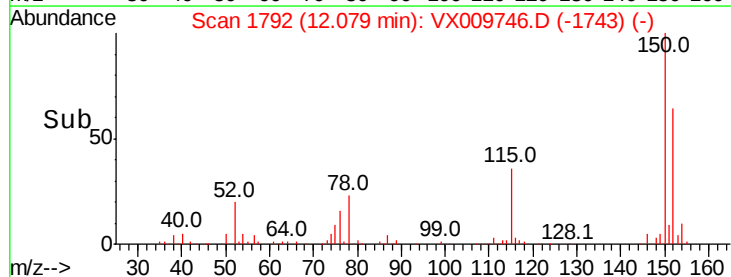
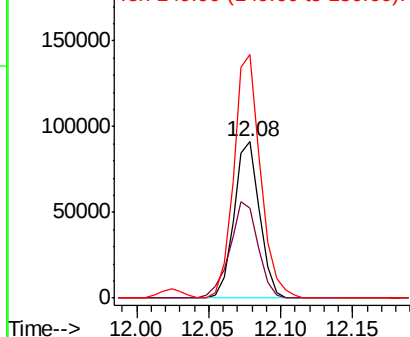
152 100

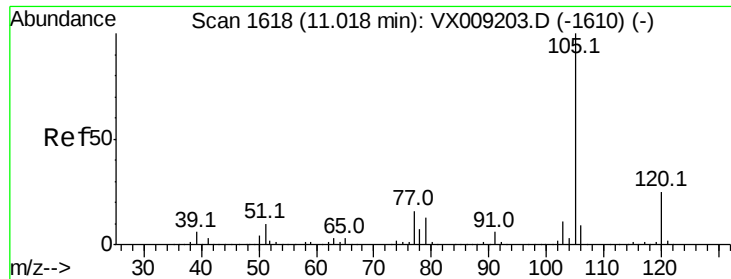
115 67.6 41.2 123.6

150 162.4 0.0 346.4



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: 18.398 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampled :

VX0521WBS01

Tot Ion:105 Resp: 151717

Ion Ratio Lower Upper

105 100

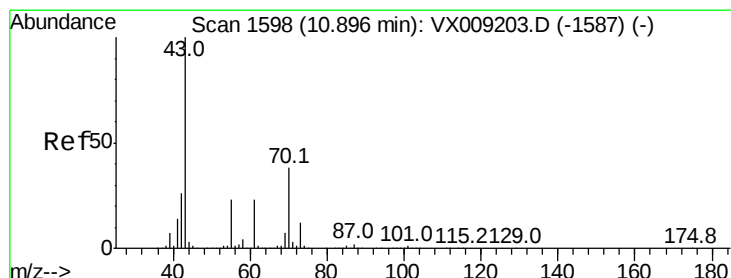
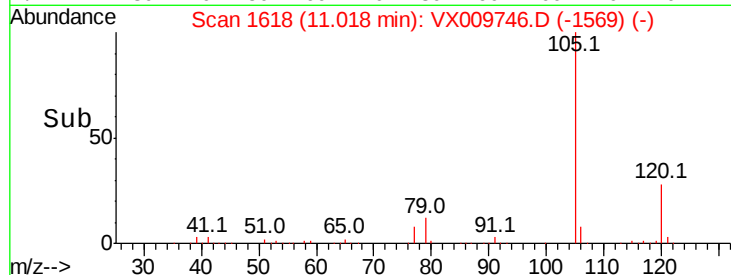
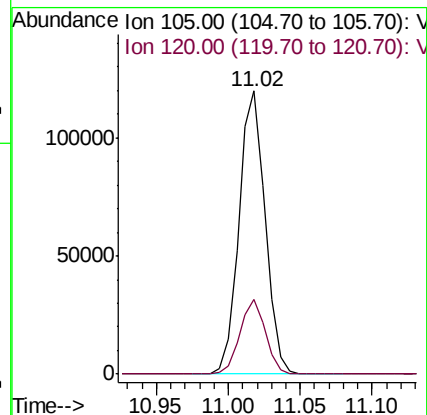
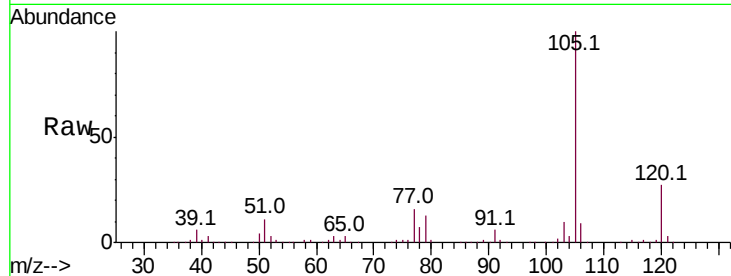
120 25.8 12.8 38.3

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5/22/2019 9:40:40 AM



#74

N-ethyl acetate

Concen: 18.433 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Tgt Ion: 43 Resp: 88619

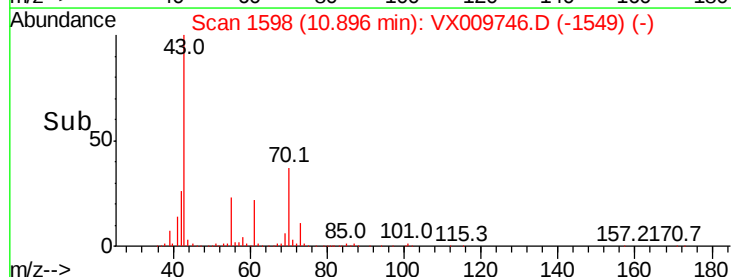
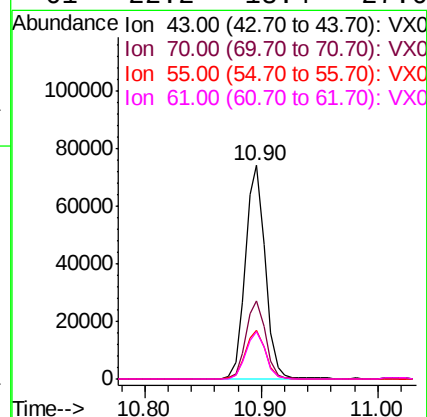
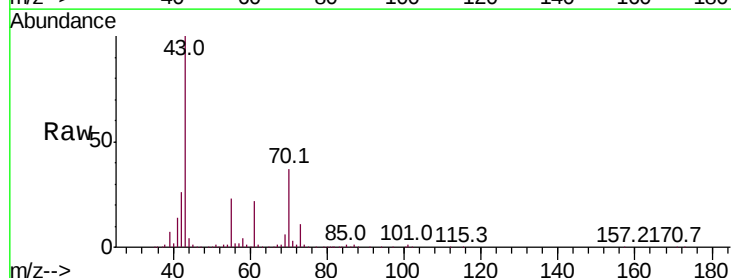
Ion Ratio Lower Upper

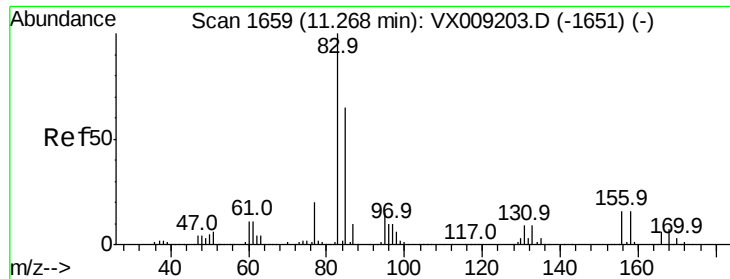
43 100

70 36.4 30.0 45.0

55 23.1 17.9 26.9

61 22.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.565 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion: 83 Resp: 57069

Ion Ratio Lower Upper

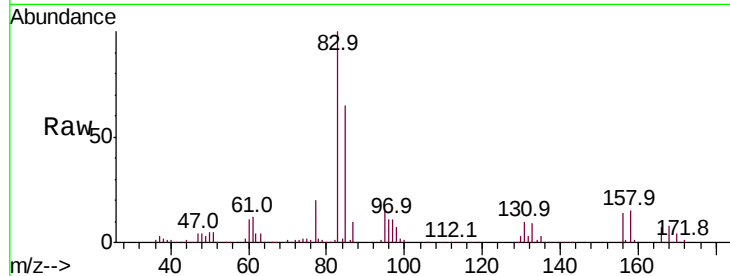
83 100

131 9.2 4.6 13.8

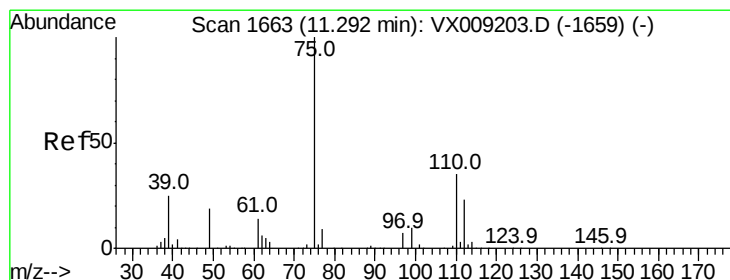
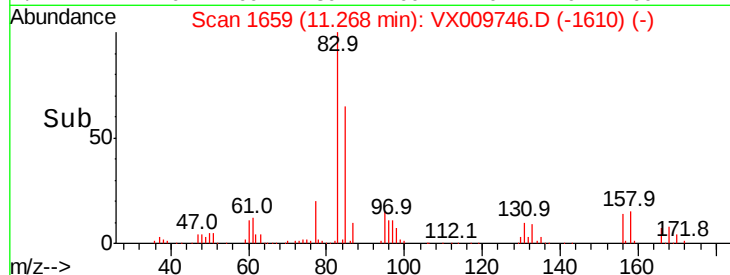
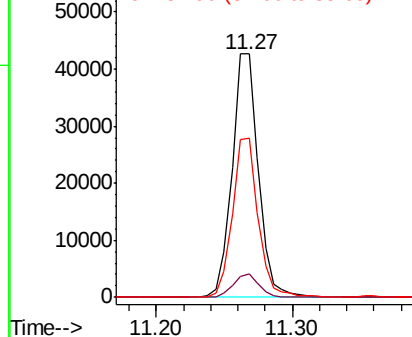
85 64.4 32.0 96.2

Manual Integrations
APPROVED

MMDadoda
5/22/2019 9:40:40 AM



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: 19.130 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009746.D

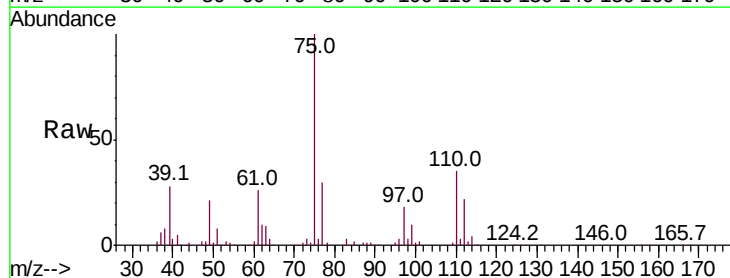
Acq: 21 May 2019 14:37

Tgt Ion: 75 Resp: 50319

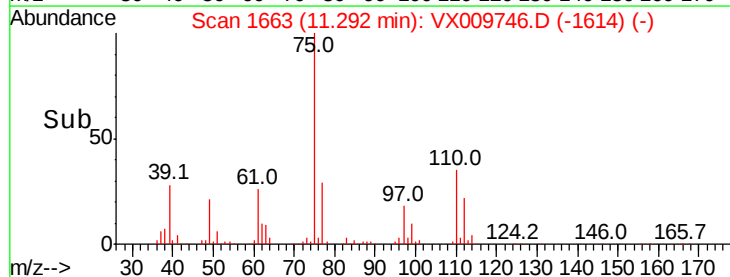
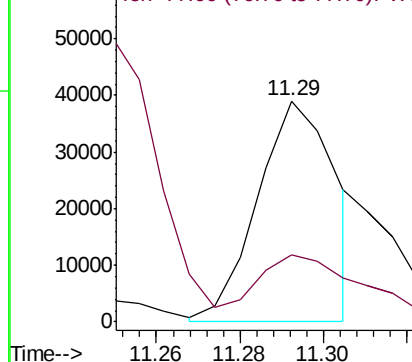
Ion Ratio Lower Upper

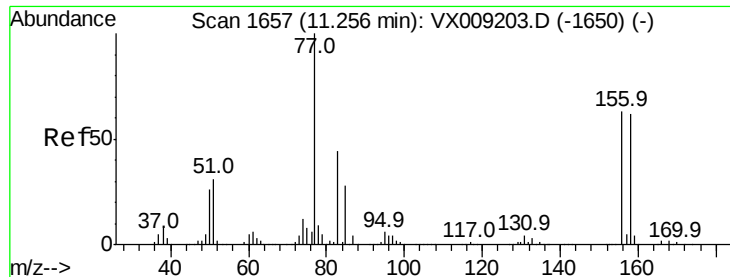
75 100

77 42.0 22.1 66.1



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





#77

Bromobenzene

Concen: 18.013 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

VX0521WBS01

Tot Ion:156 Resp: 36868

Ion Ratio Lower Upper

156 100

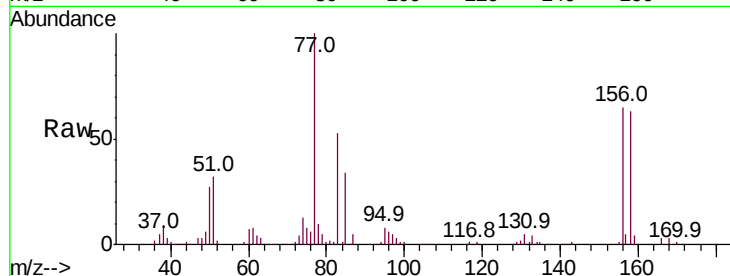
77 174.7 84.8 254.3

158 97.5 49.1 147.3

Manual Integrations
APPROVED

MMDadoda

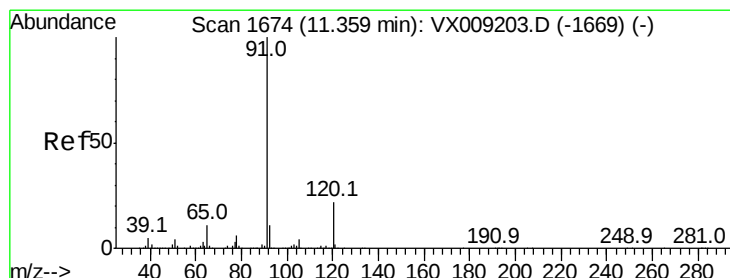
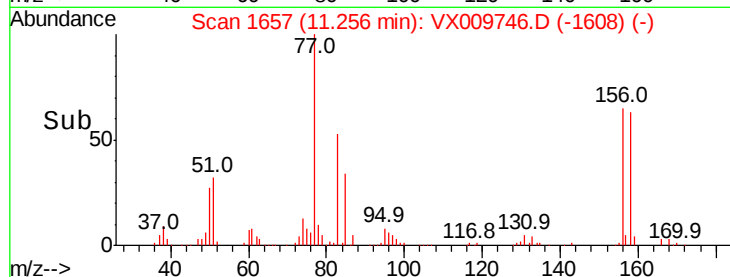
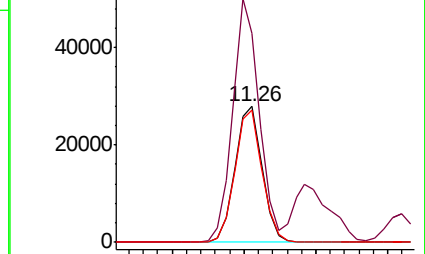
5/22/2019 9:40:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.324 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009746.D

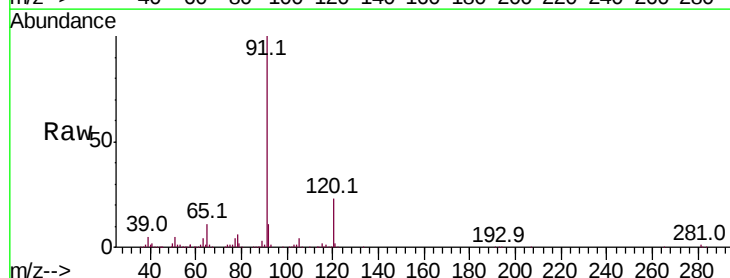
Acq: 21 May 2019 14:37

Tgt Ion: 91 Resp: 172568

Ion Ratio Lower Upper

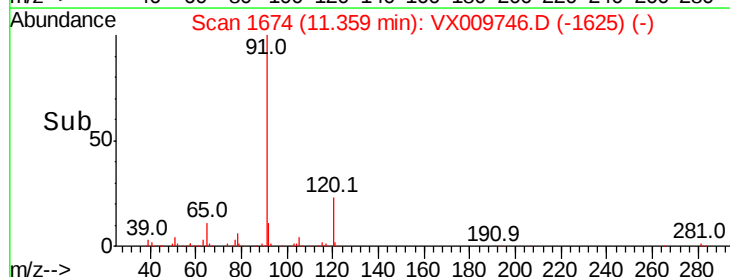
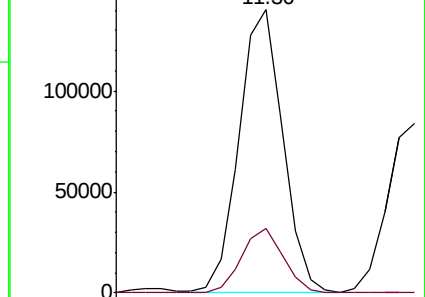
91 100

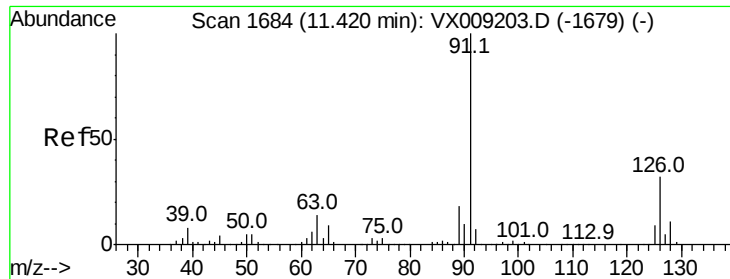
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





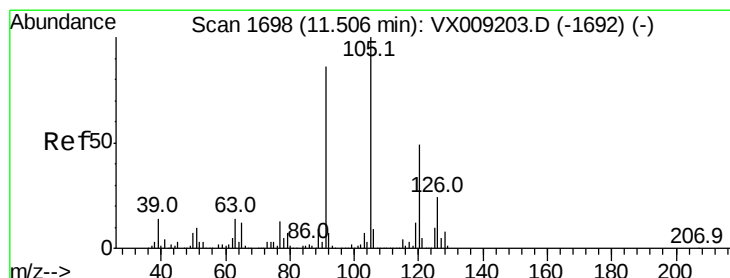
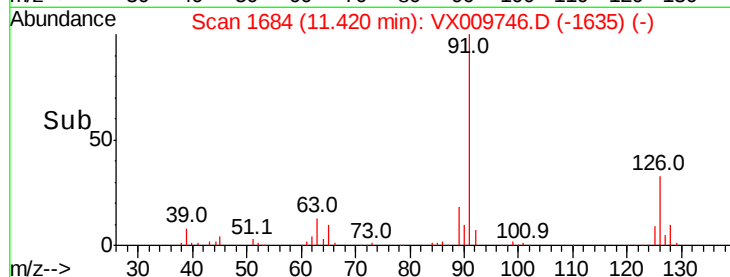
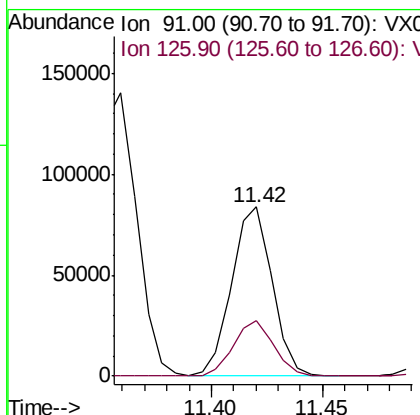
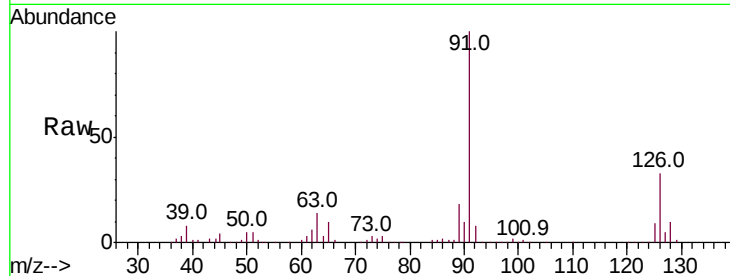
#79
 2-Chlorotoluene
 Concen: 18.198 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Tot Ion: 91 Resp: 105734
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.9

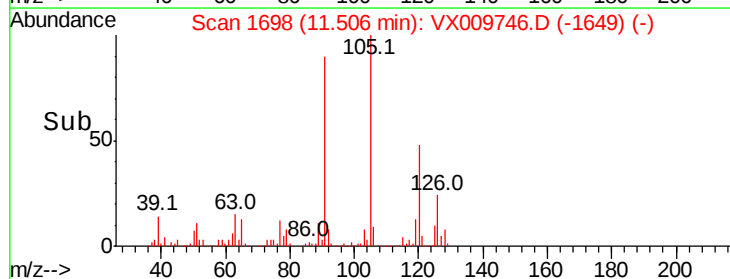
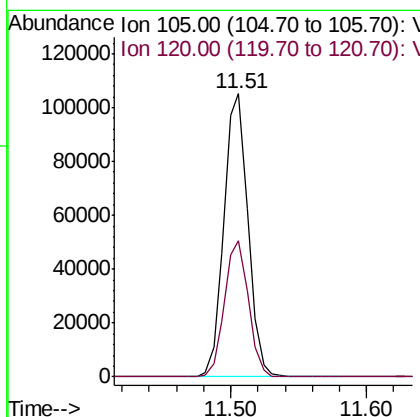
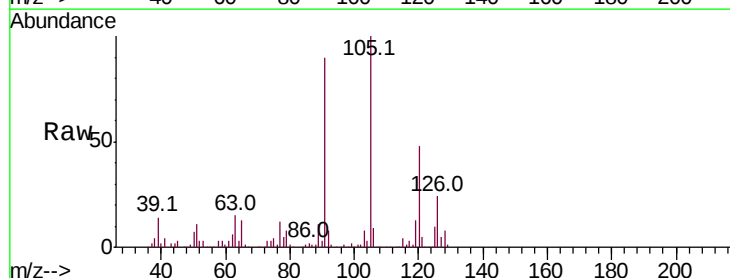
Manual Integrations
 APPROVED

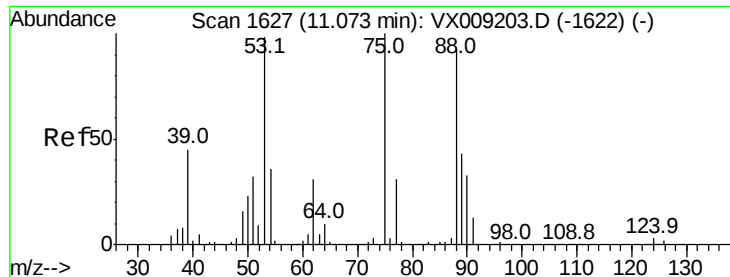
MMDadoda
 5/22/2019 9:40:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.557 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Tgt Ion: 105 Resp: 128845
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 72.9





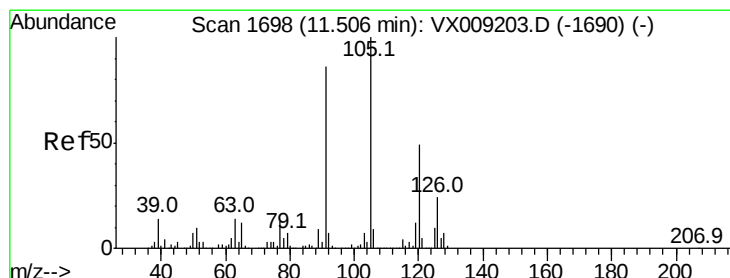
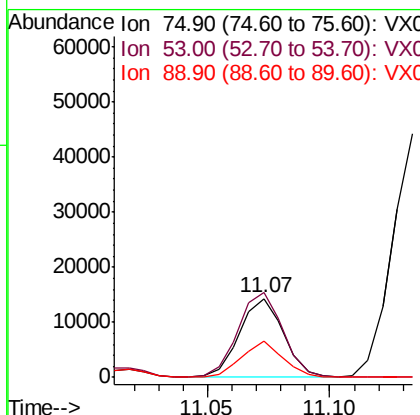
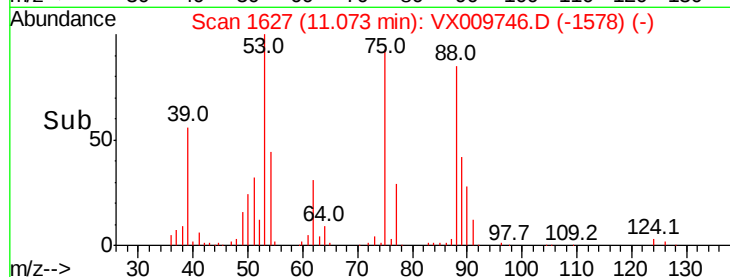
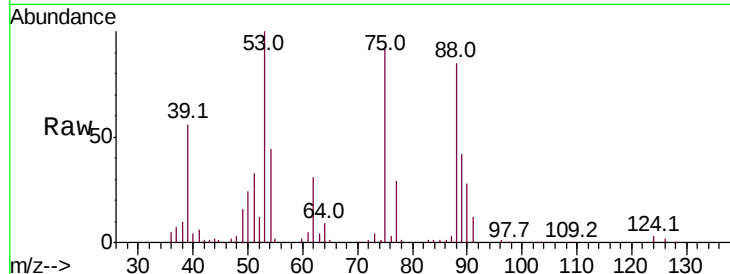
#81
trans-1,4-Dichloro-2-butene
Concen: 17.186 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.9	79.0	118.6
89	44.5	34.7	52.1

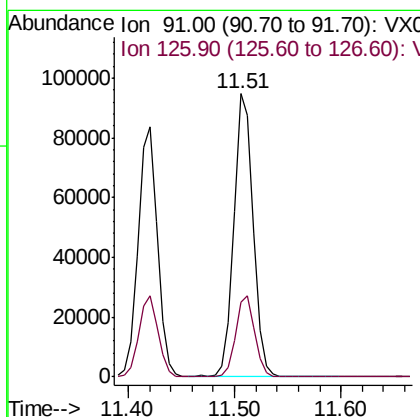
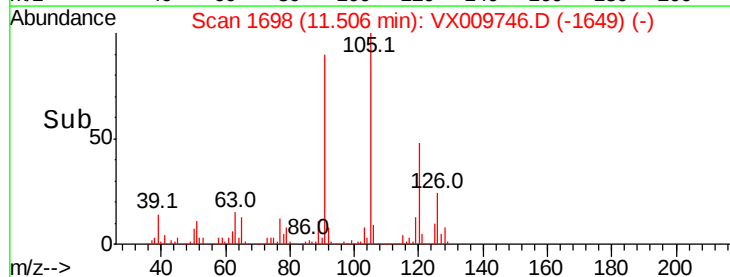
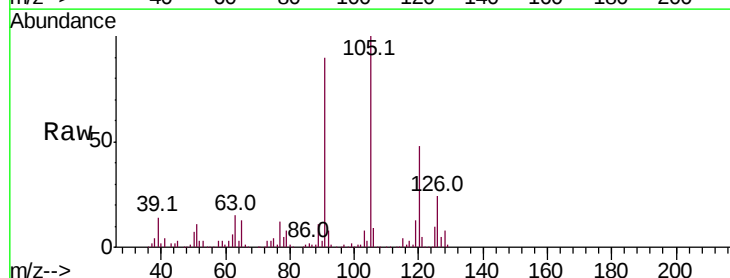
Manual Integrations
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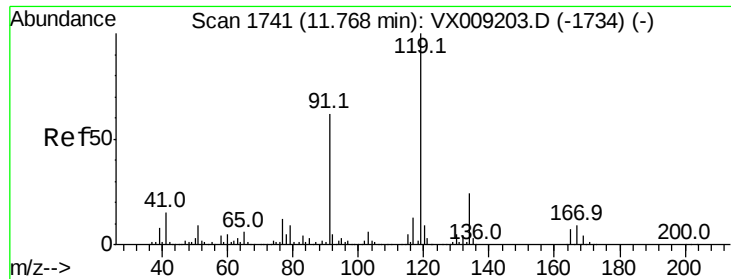
MMDadoda
5/22/2019 9:40:40 AM



#82
4-Chlorotoluene
Concen: 18.384 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.5	43.6





#83

tert-Butylbenzene

Concen: 18.072 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

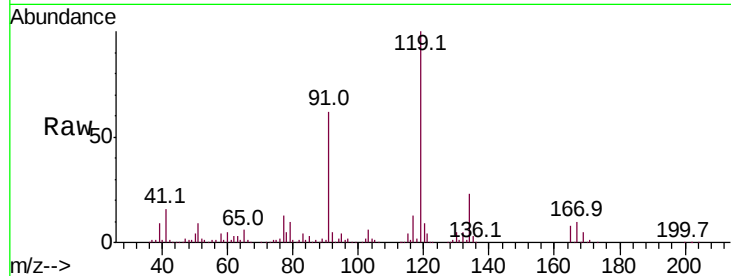
ClientSampleId :

VX0521WBS01

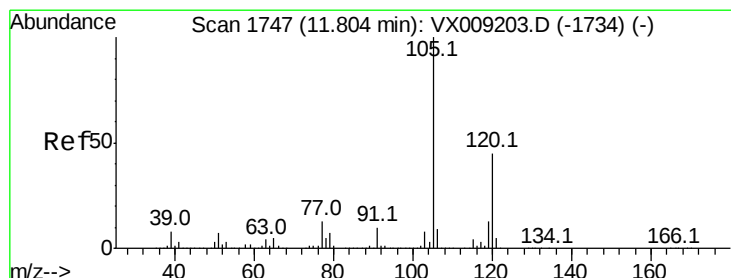
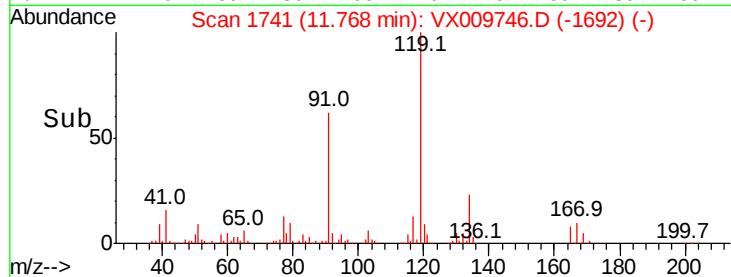
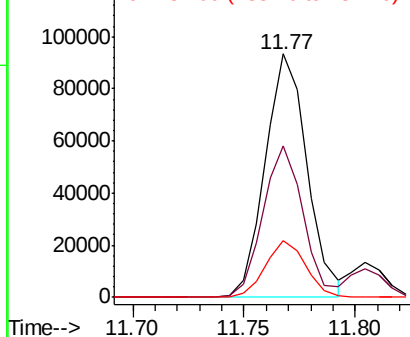
Tot Ion:	119	Resp:	122068
Ion Ratio	Lower	Upper	
119	100		
91	60.1	29.5	88.5
134	22.4	11.4	34.1

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.477 ug/l

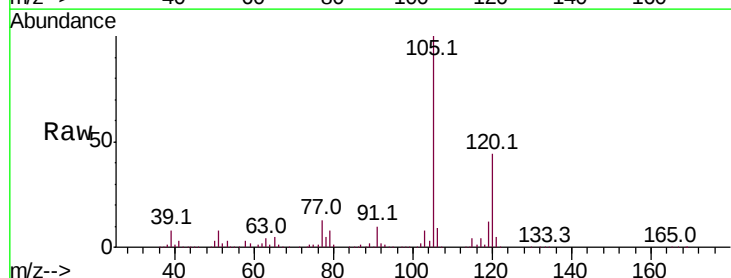
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

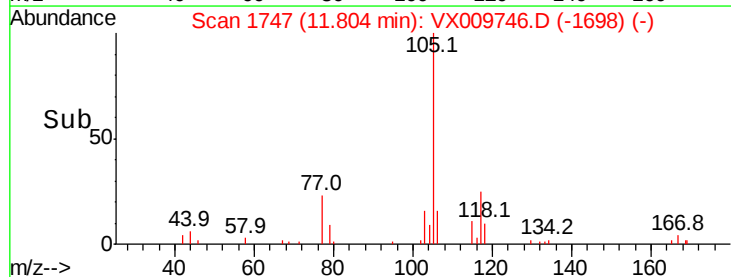
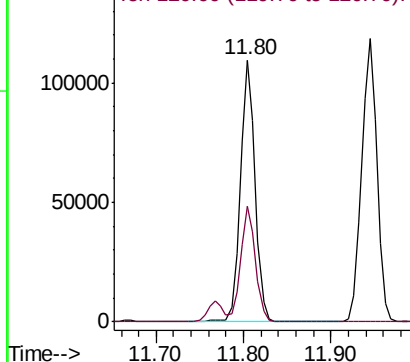
Lab File: VX009746.D

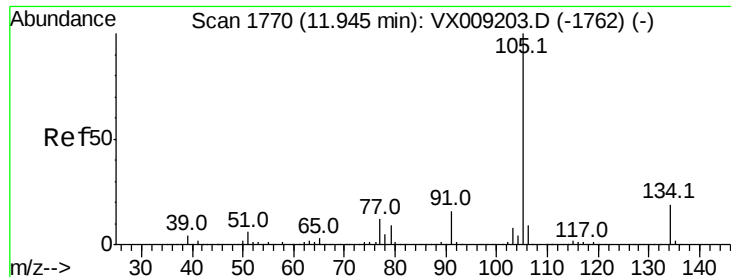
Acq: 21 May 2019 14:37

Tgt Ion:	105	Resp:	128771
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.0	66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





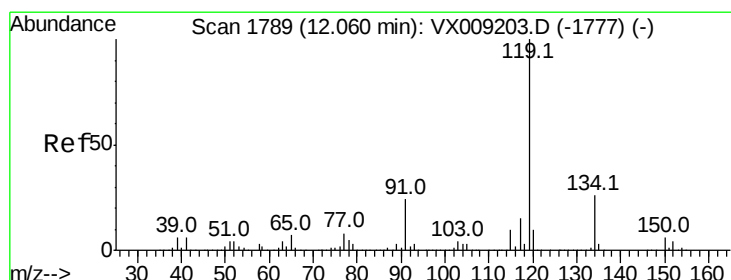
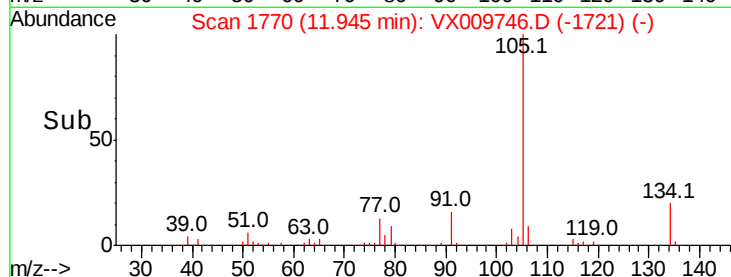
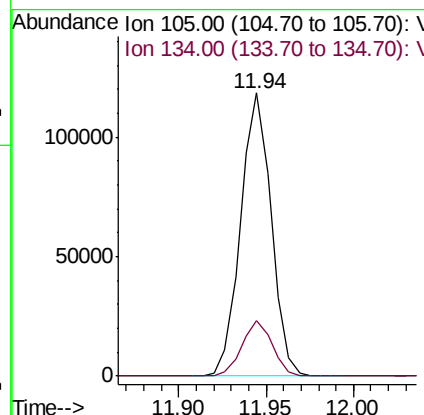
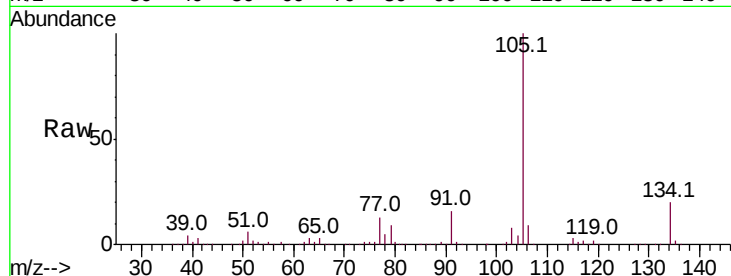
#85
 sec-Butylbenzene
 Concen: 17.962 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	143838		
134	19.3	9.7	28.9	

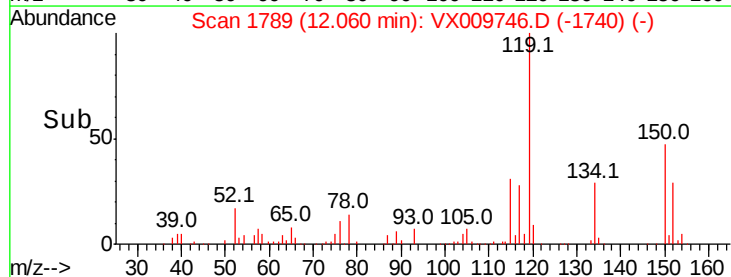
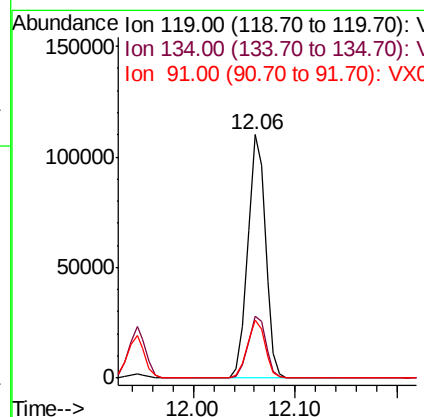
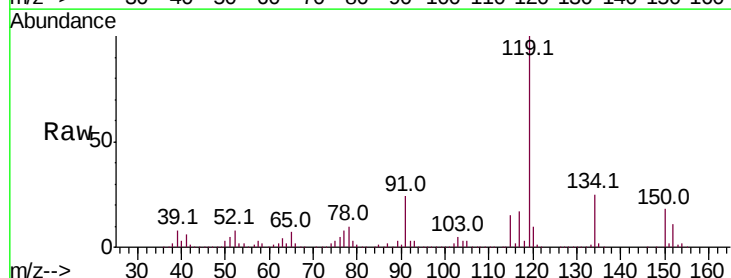
Manual Integrations
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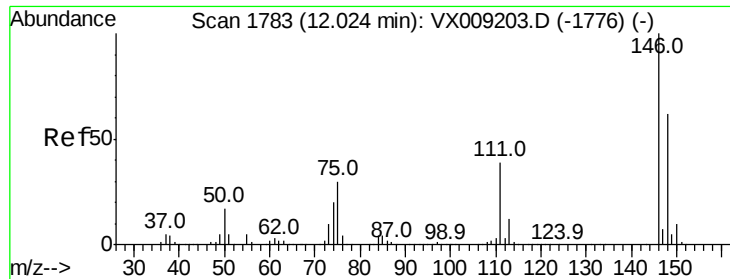
MMDadoda
 5/22/2019 9:40:40 AM



#86
 p-Isopropyltoluene
 Concen: 18.269 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	131517		
134	25.7	12.9	38.7	
91	24.1	11.8	35.4	





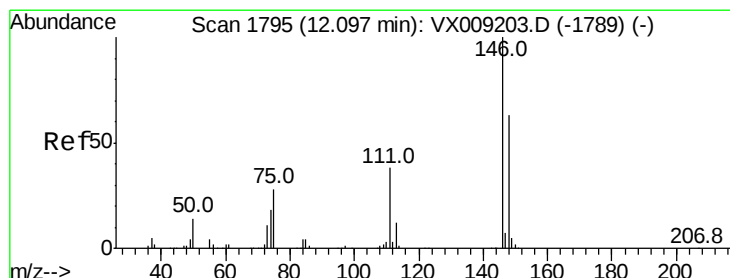
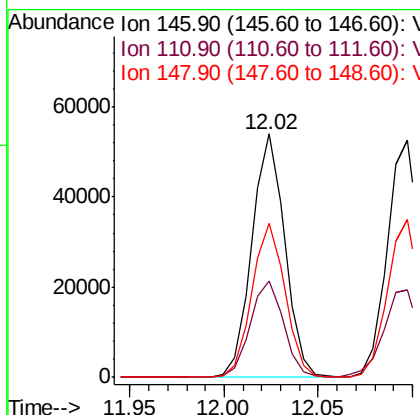
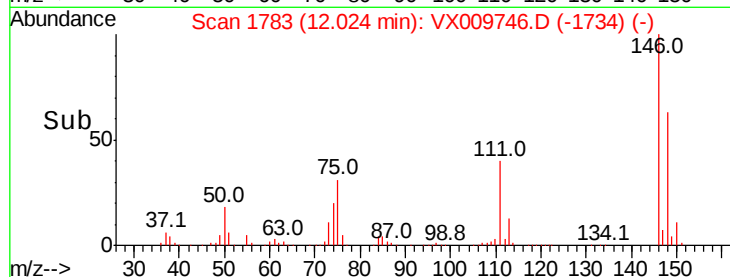
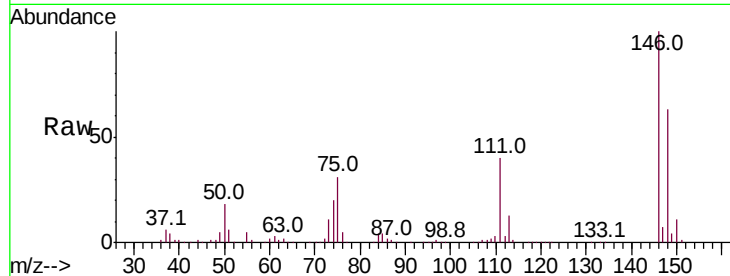
#87
 1,3-Dichlorobenzene
 Concen: 17.924 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.4	31.8	95.3

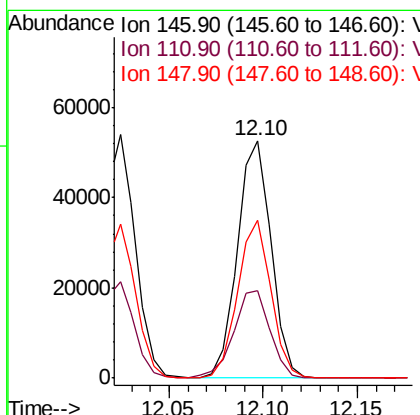
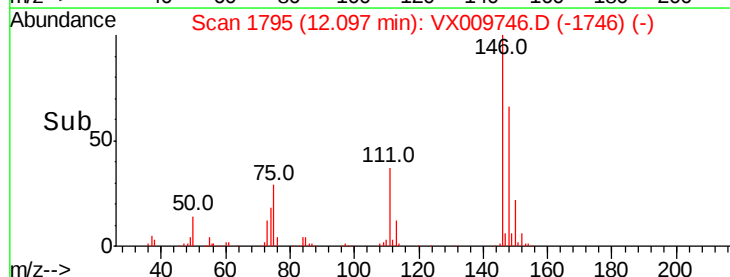
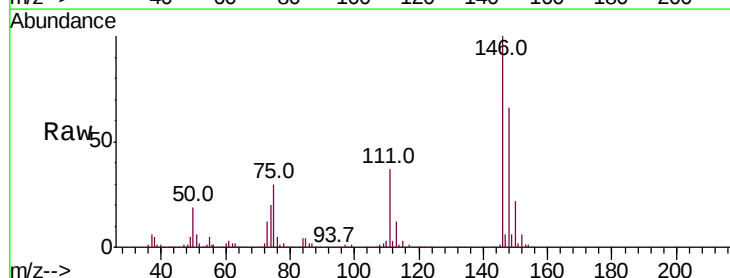
Manual Integrations
 APPROVED

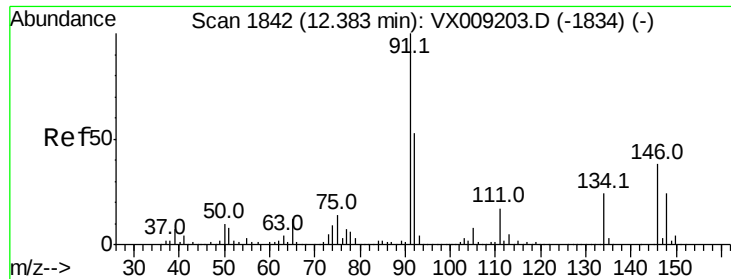
MMDadoda
 5/22/2019 9:40:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 17.671 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.8
148	66.1	31.8	95.3





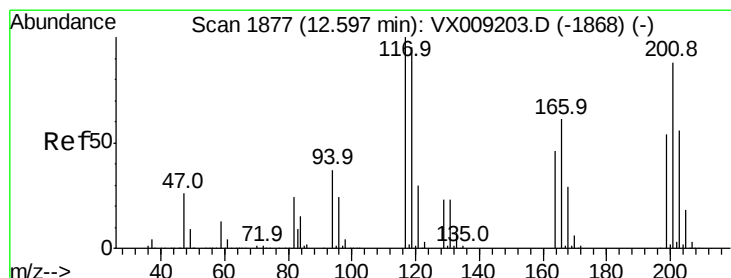
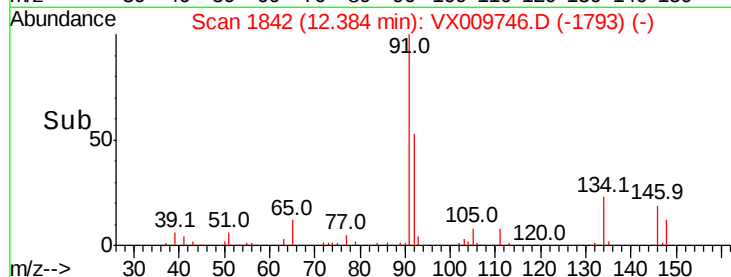
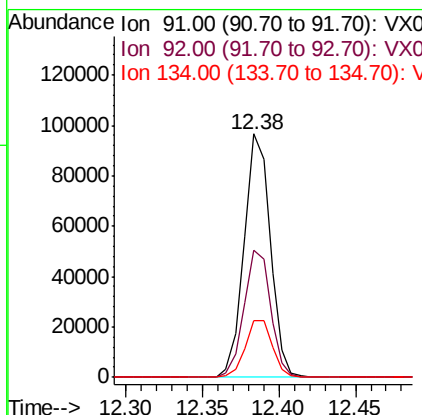
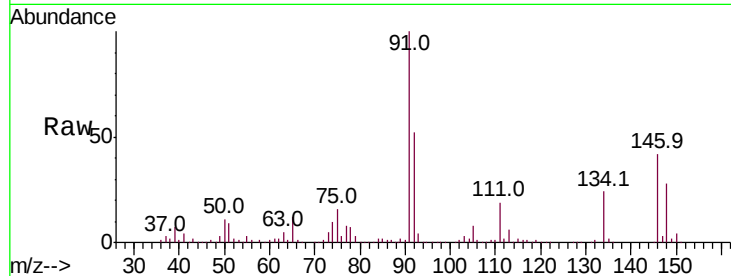
#89
n-Butylbenzene
Concen: 17.682 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.5	79.5	
134	24.3	12.4	37.2	

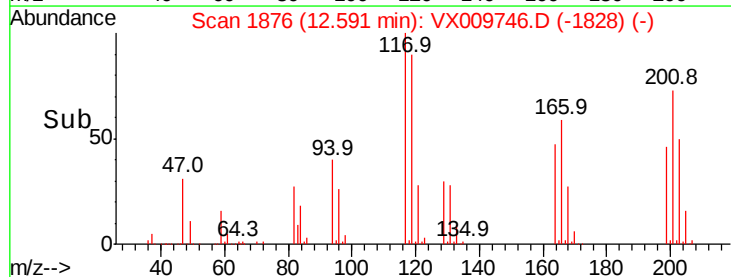
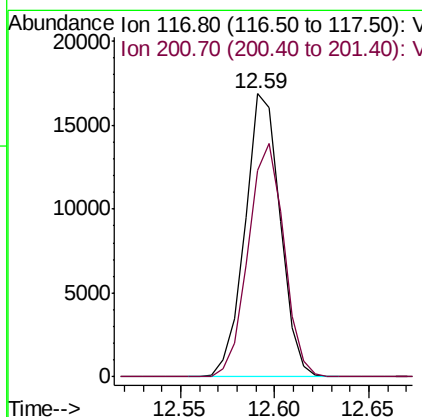
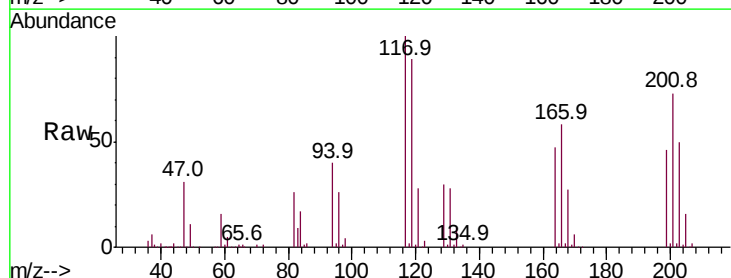
Manual Integrations
APPROVED

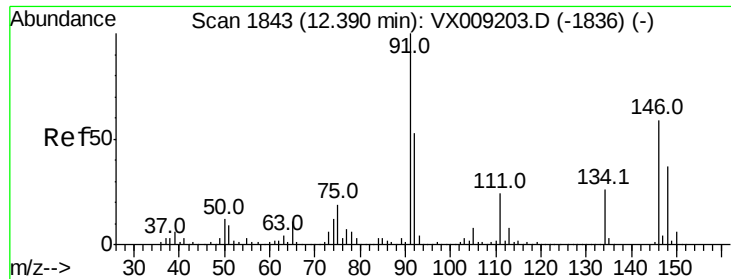
MMDadoda
5/22/2019 9:40:40 AM



#90
Hexachloroethane
Concen: 17.880 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.5	42.3	126.9	





#91

1,2-Dichlorobenzene

Concen: 17.653 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Instrument :

MSVOA_X

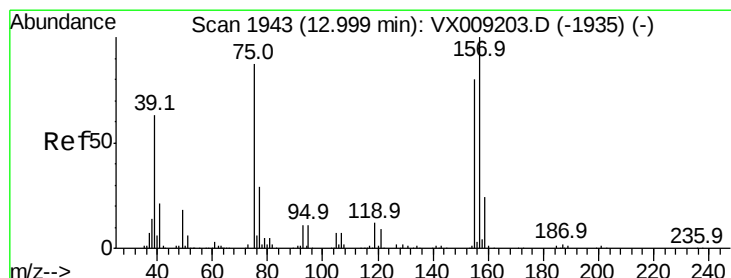
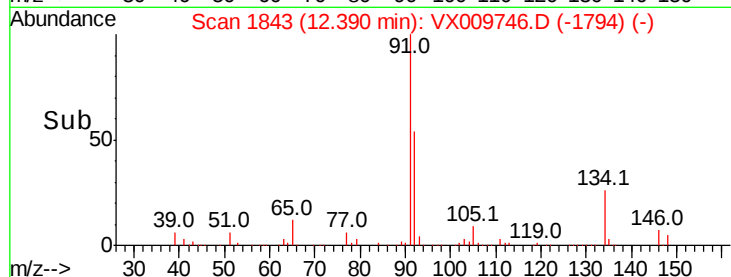
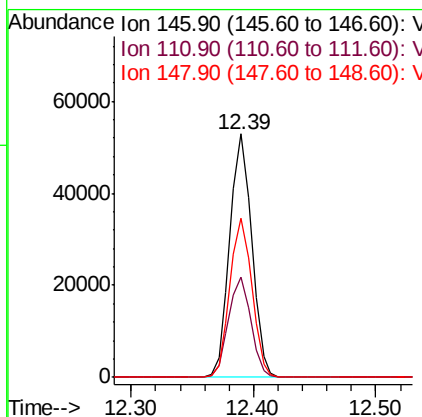
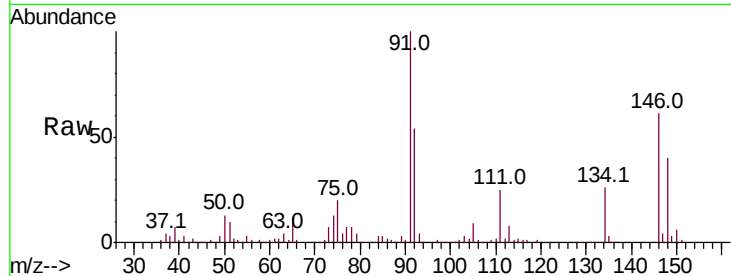
ClientSampleId :

VX0521WBS01

Tot Ion:	146	Resp:	65604
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.8	62.4
148	65.8	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.370 ug/l

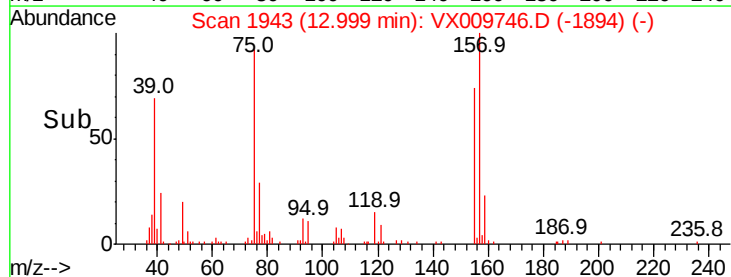
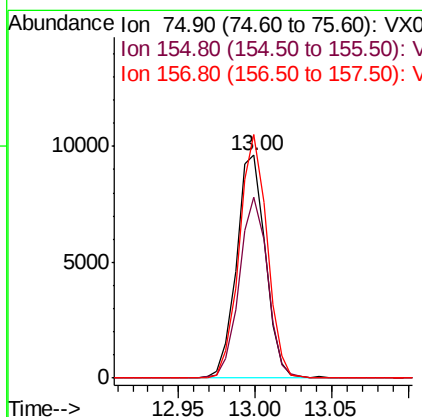
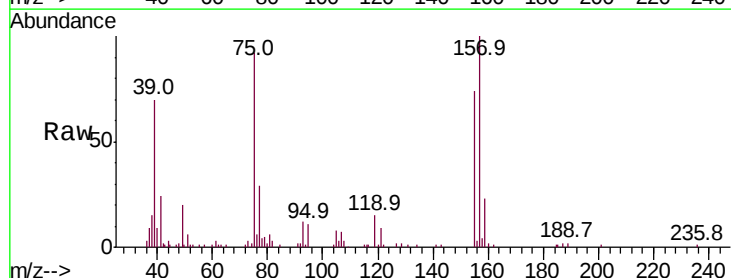
RT: 13.00 min Scan# 1943

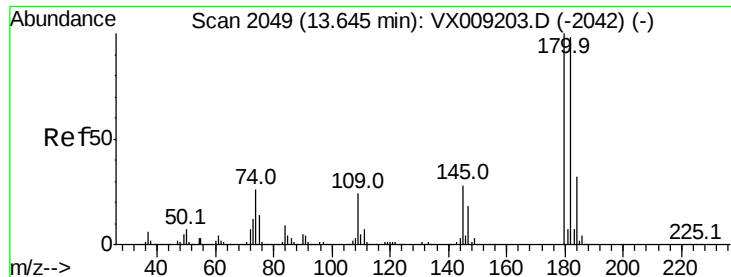
Delta R.T. 0.00 min

Lab File: VX009746.D

Acq: 21 May 2019 14:37

Tgt Ion:	75	Resp:	12668
Ion Ratio	Lower	Upper	
75	100		
155	79.1	42.0	126.0
157	104.8	53.2	159.6





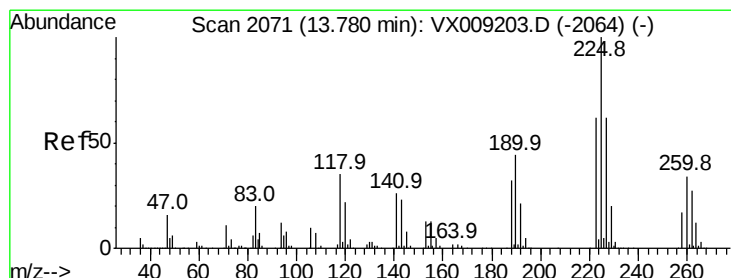
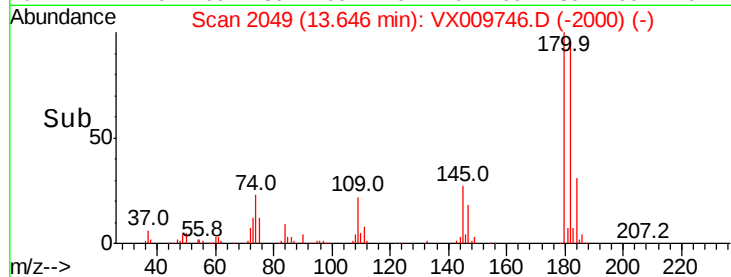
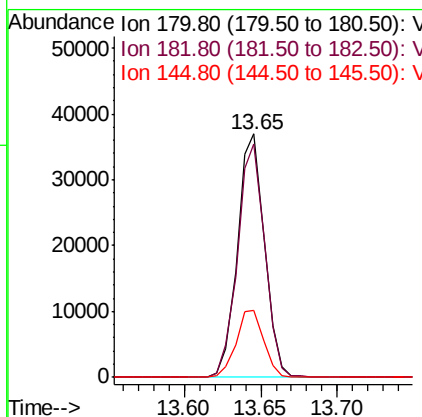
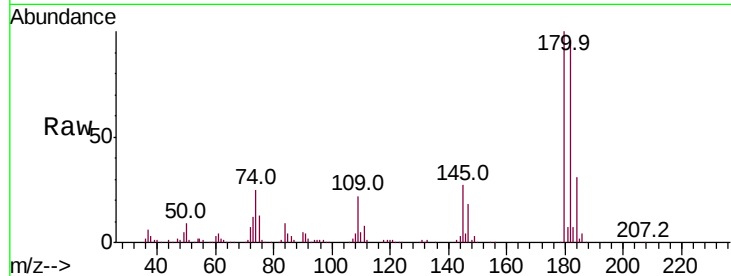
#93
 1,2,4-Trichlorobenzene
 Concen: 17.741 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.9	48.4	145.2	
145	28.1	14.6	43.8	

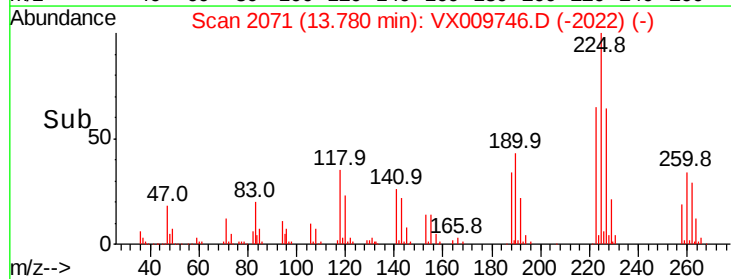
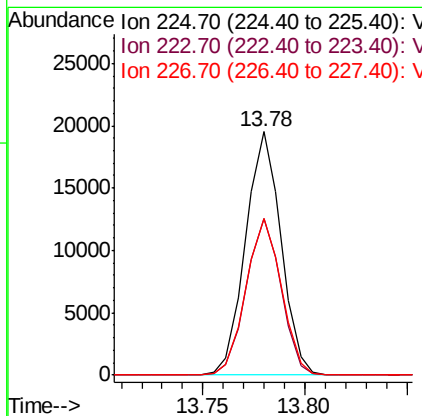
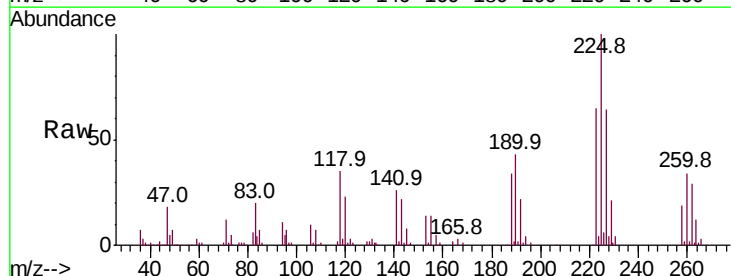
Manual Integrations
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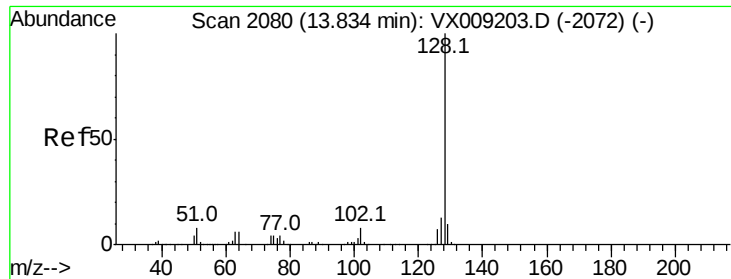
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 5/22/2019 9:40:40 AM



#94
 Hexachlorobutadiene
 Concen: 18.150 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009746.D
 Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.3	93.8	
227	64.6	31.8	95.3	





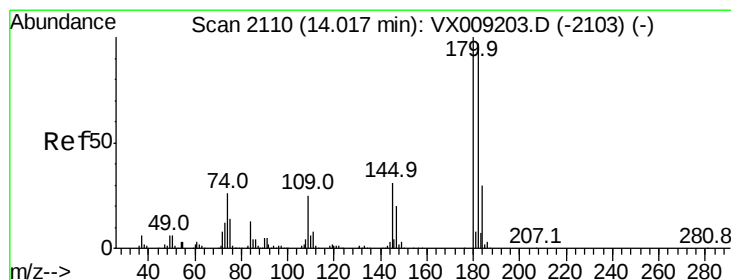
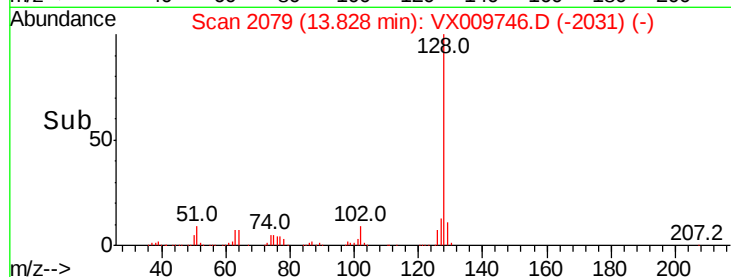
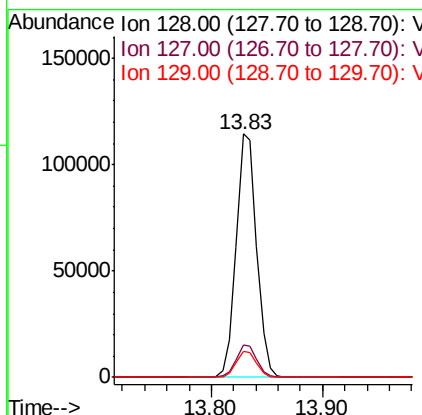
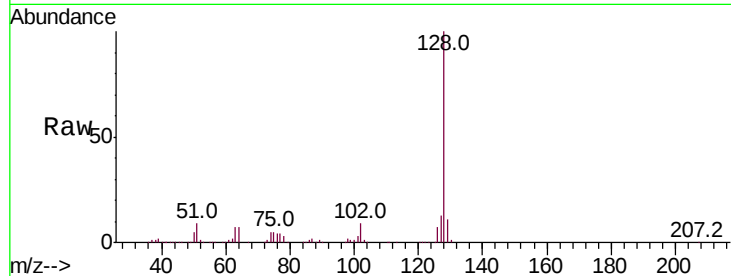
#95
Naphthalene
Concen: 17.561 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.915 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009746.D
Acq: 21 May 2019 14:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.4
145	31.1	15.4	46.4

