

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051419\
 Data File : VX009561.D
 Acq On : 14 May 2019 14:53
 Operator : JC/SP
 Sample : VX0514MBS01
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 12:25:46 PM

Quant Time: May 15 08:33:07 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	5.66	168	164204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	255963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109743	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	5.50	113	81114	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	8.71	98	323165	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	116051	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28547	18.866	ug/l	99
3) Chloromethane	1.32	50	42939	20.785	ug/l	98
4) Vinyl Chloride	1.41	62	40945	20.325	ug/l	96
5) Bromomethane	1.64	94	26050	21.545	ug/l	100
6) Chloroethane	1.72	64	27579	21.323	ug/l	99
7) Trichlorofluoromethane	1.93	101	53644	21.907	ug/l	96
8) Diethyl Ether	2.19	74	24846	21.421	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32945	21.425	ug/l	98
10) Methyl Iodide	2.51	142	37291	23.548	ug/l	99
11) Tert butyl alcohol	3.04	59	55092	106.177	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32543	21.122	ug/l	99
13) Acrolein	2.29	56	35436	75.411	ug/l	98
14) Allyl chloride	2.73	41	78352	20.868	ug/l	98
15) Acrylonitrile	3.14	53	133015	104.845	ug/l	99
16) Acetone	2.44	43	133016	110.511	ug/l	96
17) Carbon Disulfide	2.57	76	89906	20.784	ug/l	100
18) Methyl Acetate	2.78	43	60650	21.188	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	128722	21.515	ug/l	99
20) Methylene Chloride	2.85	84	40037	20.544	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	35264	21.105	ug/l	96
22) Diisopropyl ether	3.85	45	156659	21.696	ug/l	96
23) Vinyl Acetate	3.81	43	693165	112.104	ug/l	100
24) 1,1-Dichloroethane	3.70	63	75756	21.267	ug/l	100
25) 2-Butanone	4.67	43	203502	108.800	ug/l	99
26) 2,2-Dichloropropane	4.59	77	58482	22.057	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	43278	21.700	ug/l	99
28) Bromochloromethane	5.01	49	25883	16.198	ug/l	100
29) Tetrahydrofuran	5.13	42	131670	109.396	ug/l	99
30) Chloroform	5.21	83	70011	21.731	ug/l	100
31) Cyclohexane	5.58	56	72005	21.727	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	58138	21.678	ug/l	99
36) 1,1-Dichloropropene	5.80	75	52812	22.202	ug/l	99
37) Ethyl Acetate	4.83	43	74004	22.329	ug/l	98
38) Carbon Tetrachloride	5.78	117	48345	22.370	ug/l	95

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 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	65350	22.370	ug/l	96
40) Benzene	6.14	78	163740	22.242	ug/l	100
41) Methacrylonitrile	5.04	41	41780	21.177	ug/l	98
42) 1,2-Dichloroethane	6.19	62	59813	22.650	ug/l	100
43) Isopropyl Acetate	6.45	43	118055	22.269	ug/l	99
44) Trichloroethene	7.21	130	39235	22.046	ug/l	96
45) 1,2-Dichloropropane	7.51	63	47016	22.555	ug/l	99
46) Dibromomethane	7.66	93	26546	21.930	ug/l	97
47) Bromodichloromethane	7.90	83	52901	21.909	ug/l	98
48) Methyl methacrylate	7.77	41	59861	22.760	ug/l	99
49) 1,4-Dioxane	7.74	88	23232	435.561	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	389012	112.268	ug/l	100
52) Toluene	8.78	92	99620	22.262	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60966	22.363	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	67597	22.402	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	40377	22.116	ug/l	96
56) Ethyl methacrylate	9.18	69	72803	22.340	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71234	22.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	174689	101.044	ug/l	99
59) 2-Hexanone	9.49	43	305176	112.140	ug/l	99
60) Dibromochloromethane	9.58	129	39713	22.272	ug/l	98
61) 1,2-Dibromoethane	9.67	107	41426	22.479	ug/l	99
64) Tetrachloroethene	9.34	164	34891	21.978	ug/l	97
65) Chlorobenzene	10.13	112	103186	22.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	37463	22.319	ug/l	99
67) Ethyl Benzene	10.25	91	192742	22.621	ug/l	99
68) m/p-Xylenes	10.36	106	141206	45.350	ug/l	99
69) o-Xylene	10.69	106	68142	22.181	ug/l	100
70) Styrene	10.71	104	118825	22.254	ug/l	98
71) Bromoform	10.85	173	29630	21.722	ug/l #	99
73) Isopropylbenzene	11.02	105	185373	22.298	ug/l	99
74) N-amyl acetate	10.90	43	106853	22.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	68258	22.025	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	59102m	22.286	ug/l	
77) Bromobenzene	11.26	156	45129	21.870	ug/l	100
78) n-propylbenzene	11.36	91	212387	22.369	ug/l	99
79) 2-Chlorotoluene	11.42	91	125949	21.502	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155717	22.245	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22374	21.587	ug/l	96
82) 4-Chlorotoluene	11.51	91	144347	21.813	ug/l	100
83) tert-Butylbenzene	11.77	119	149853	22.006	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	158321	22.533	ug/l	99
85) sec-Butylbenzene	11.94	105	177712	22.012	ug/l	100
86) p-Isopropyltoluene	12.06	119	163797	22.568	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81312	22.105	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	81204	21.896	ug/l	99
89) n-Butylbenzene	12.38	91	147681	22.513	ug/l	100
90) Hexachloroethane	12.60	117	26697	21.591	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	82246	21.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15678	22.551	ug/l	98

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ClientSampleId :
VX0514MBS01

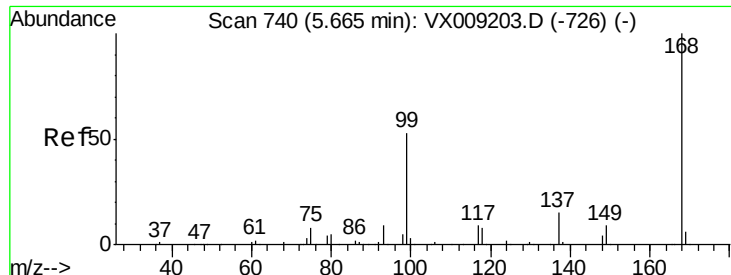
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58308	22.758	ug/l	98
94) Hexachlorobutadiene	13.78	225	30203	23.084	ug/l	98
95) Naphthalene	13.83	128	187792	22.529	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	58880	22.671	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion:168 Resp: 164204

Ion Ratio Lower Upper

168 100

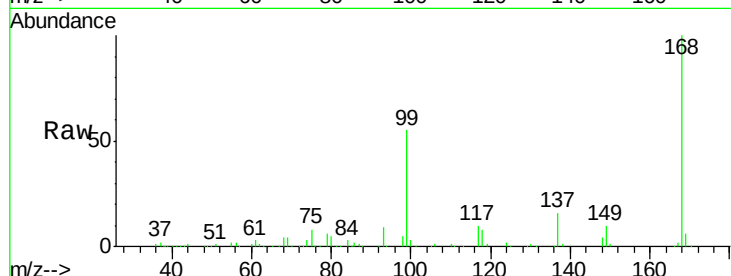
99 55.2 42.3 63.5

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

5.66

60000

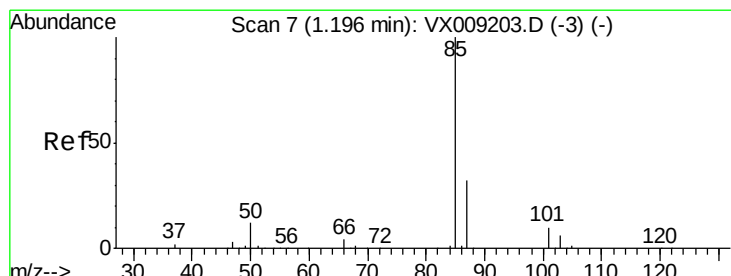
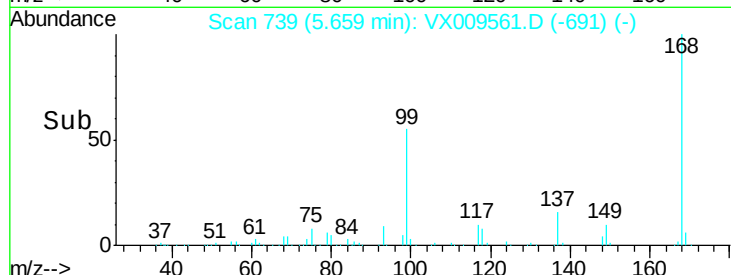
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.866 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009561.D

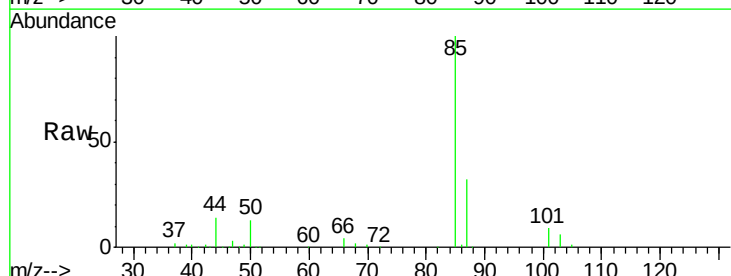
Acq: 14 May 2019 14:53

Tgt Ion: 85 Resp: 28547

Ion Ratio Lower Upper

85 100

87 31.7 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

30000

25000

20000

15000

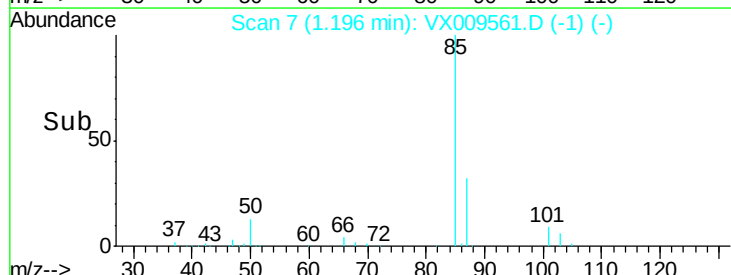
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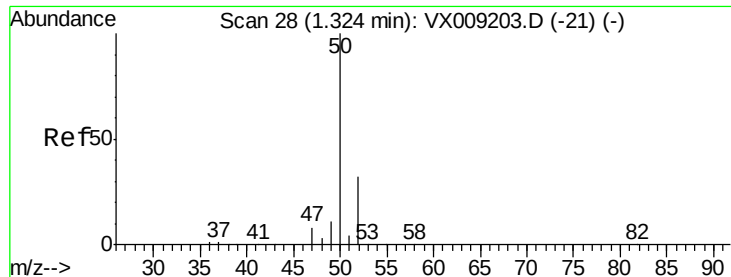
5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.785 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 50 Resp: 42939

Ion Ratio Lower Upper

50 100

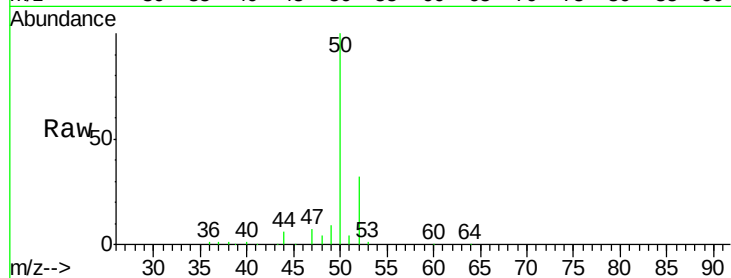
52 31.5 25.9 38.9

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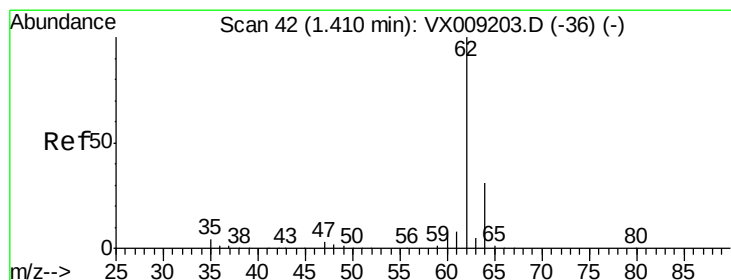
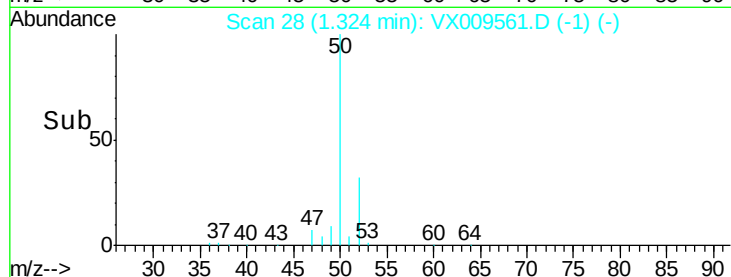
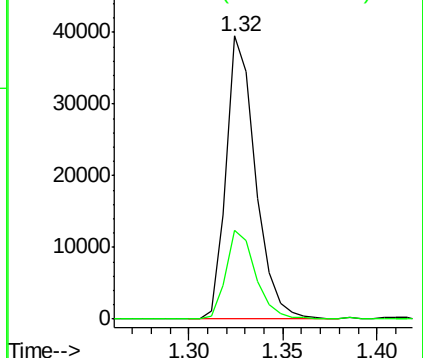
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.325 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009561.D

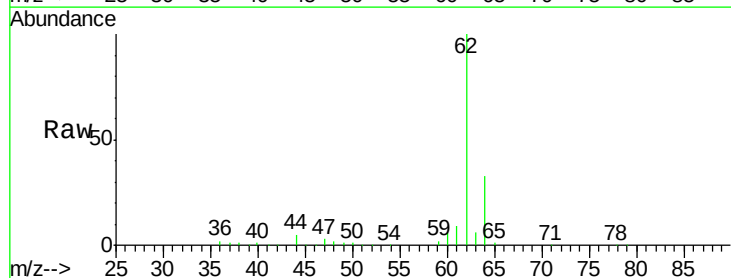
Acq: 14 May 2019 14:53

Tgt Ion: 62 Resp: 40945

Ion Ratio Lower Upper

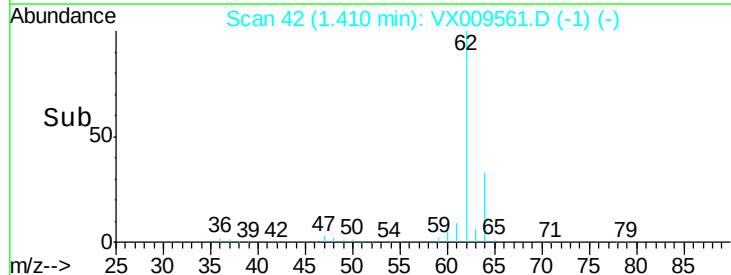
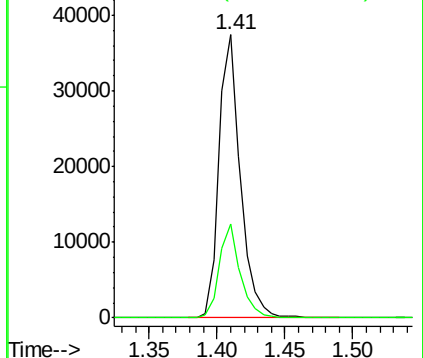
62 100

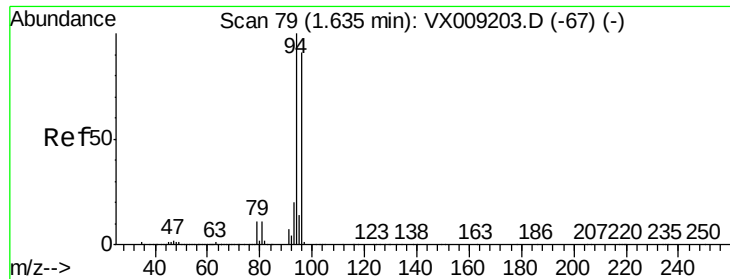
64 33.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.545 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 94 Resp: 26050

Ion Ratio Lower Upper

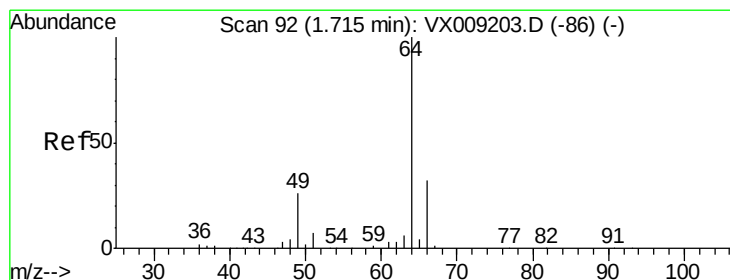
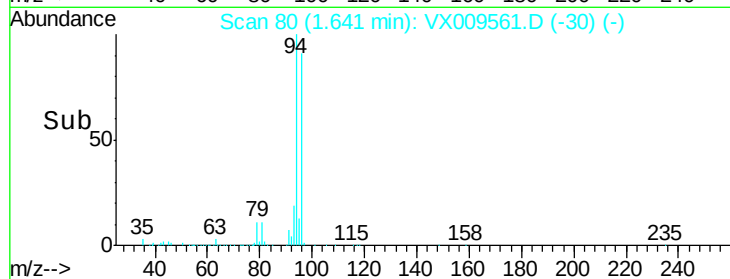
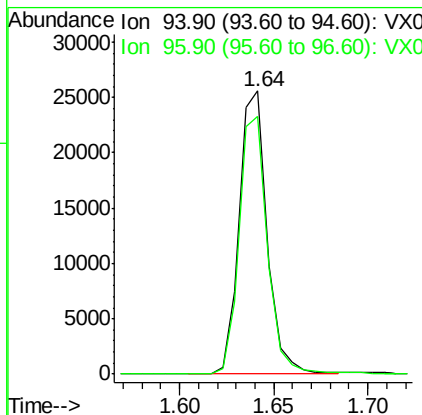
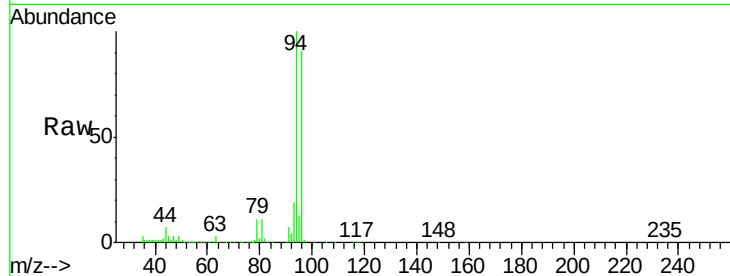
94 100

96 91.1 73.0 109.6

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#6

Chloroethane

Concen: 21.323 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009561.D

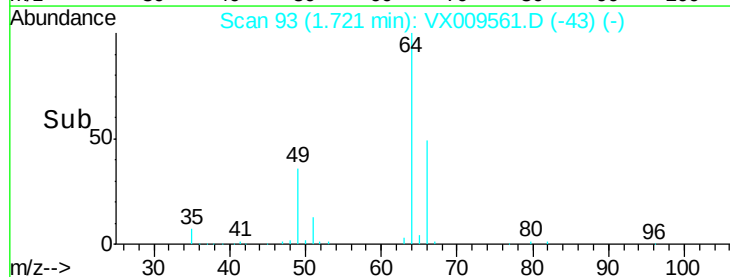
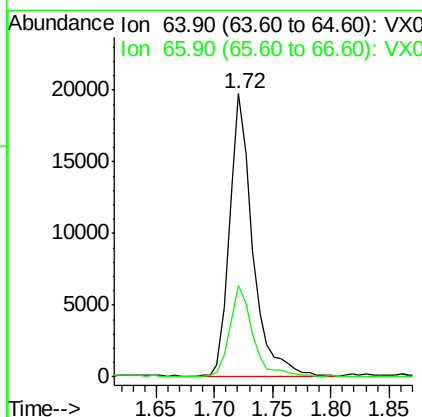
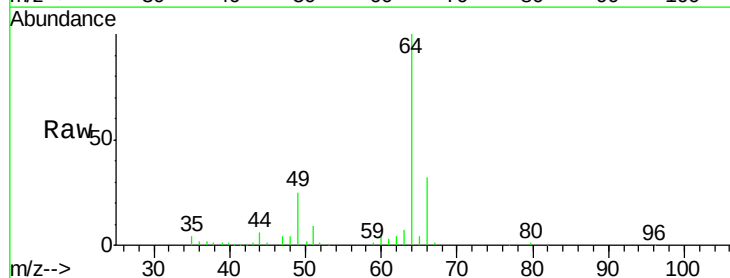
Acq: 14 May 2019 14:53

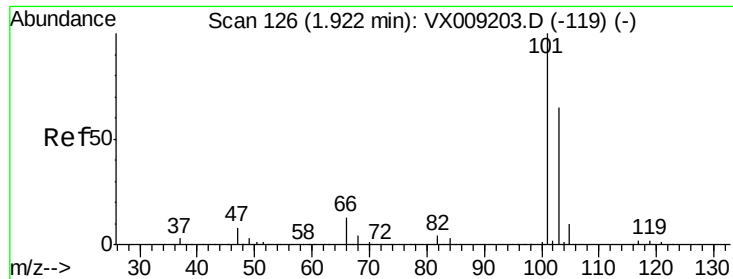
Tgt Ion: 64 Resp: 27579

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9





#7

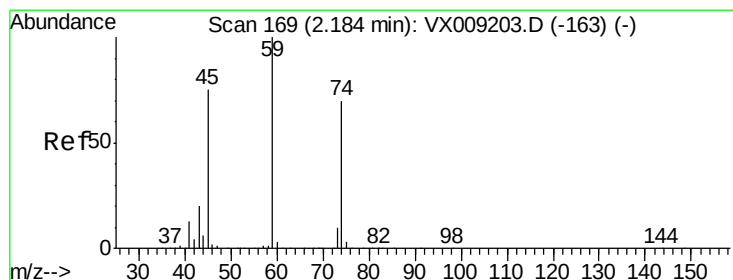
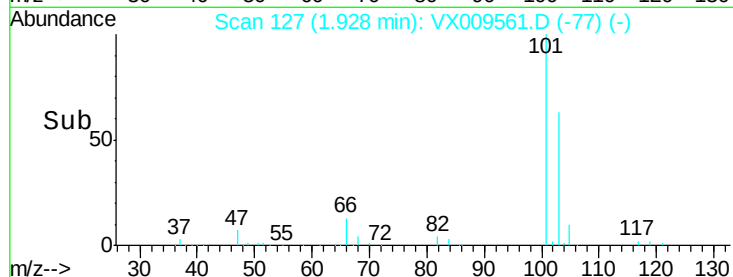
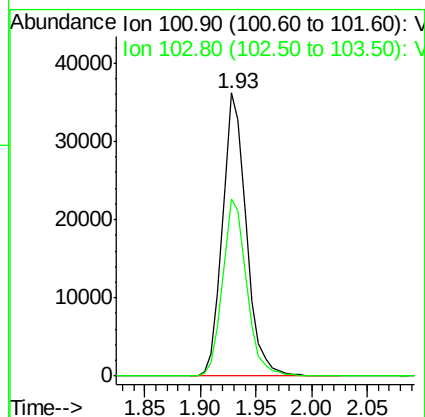
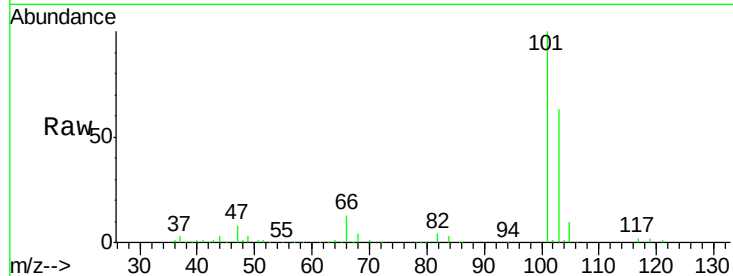
Trichlorofluoromethane
Concen: 21.907 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion:101 Resp: 53644
Ion Ratio Lower Upper
101 100
103 62.6 52.4 78.6

Manual Integrations
APPROVED

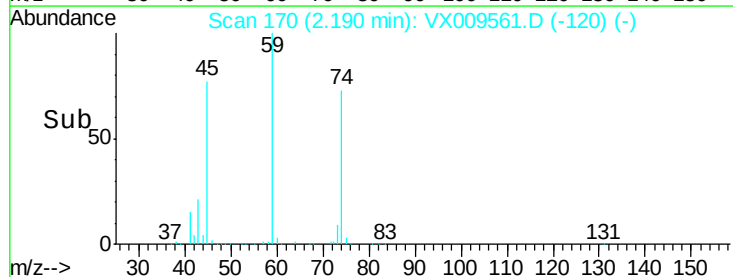
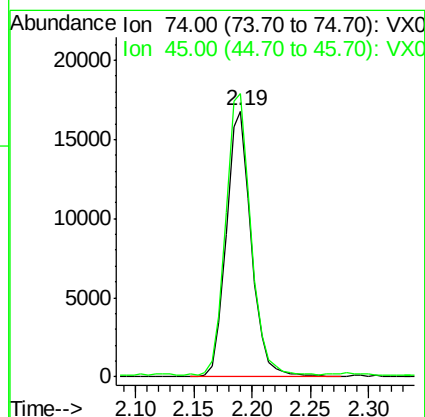
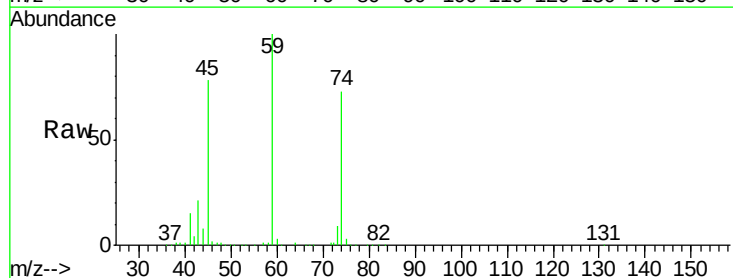
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5/15/2019 12:25:46 PM

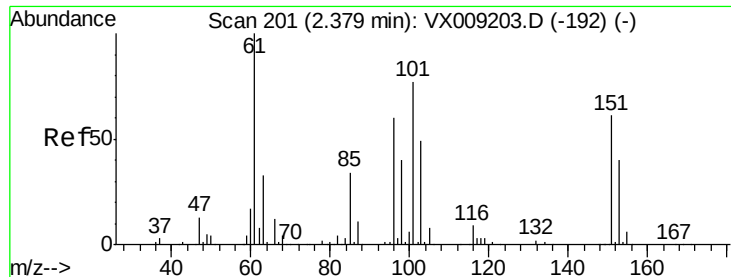


#8

Diethyl Ether
Concen: 21.421 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion: 74 Resp: 24846
Ion Ratio Lower Upper
74 100
45 106.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.425 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

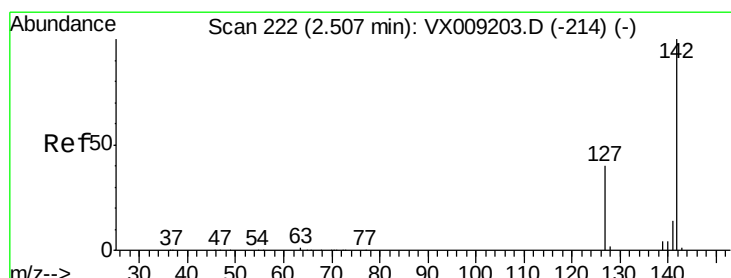
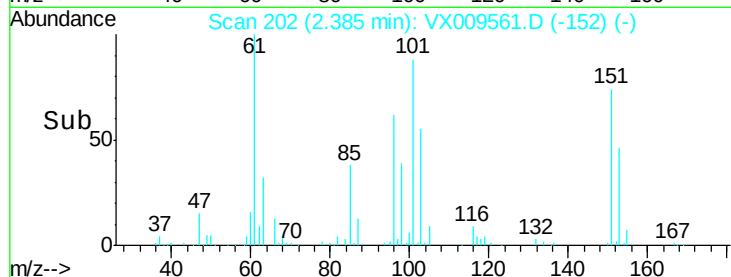
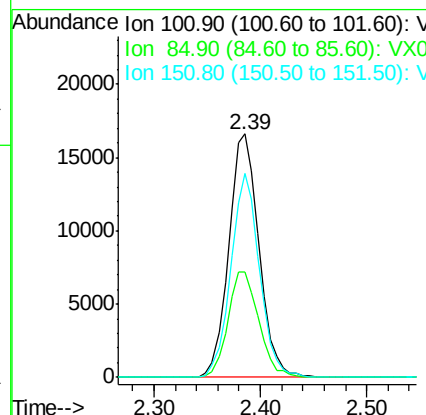
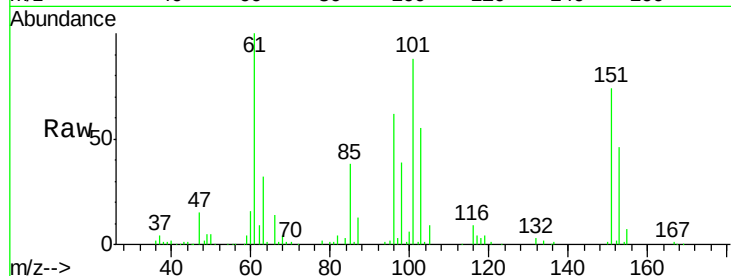
ClientSampleId :

VX0514MBS01

Tot Ion:	101	Resp:	32945
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.7	53.5
151	79.7	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 23.548 ug/l

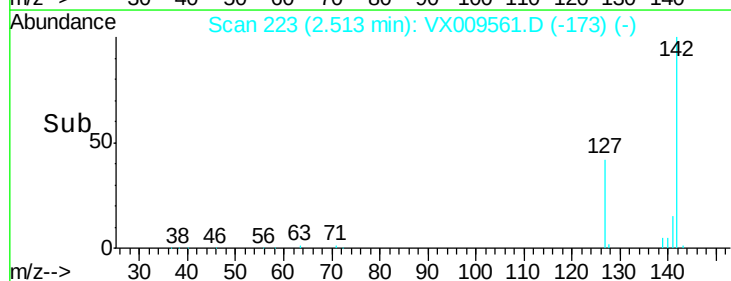
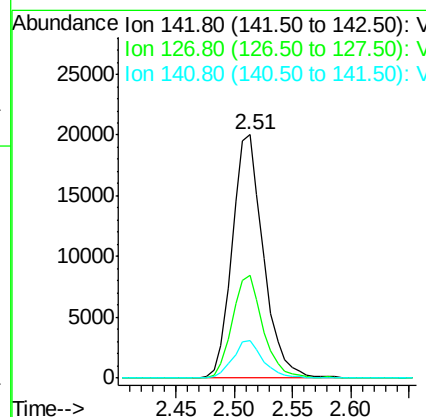
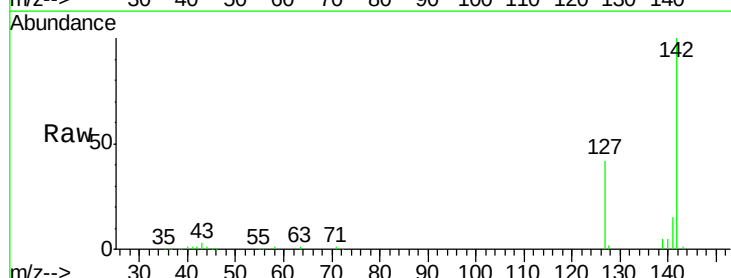
RT: 2.51 min Scan# 223

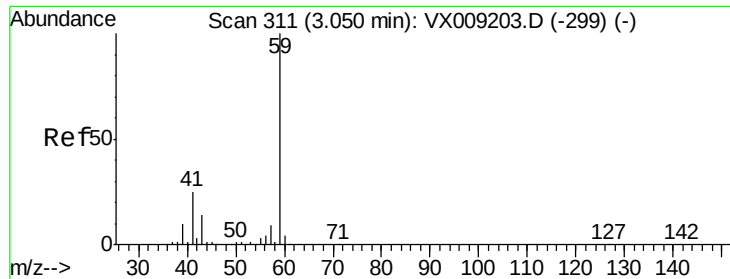
Delta R.T. 0.01 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	142	Resp:	37291
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.7	49.1
141	14.8	11.5	17.3





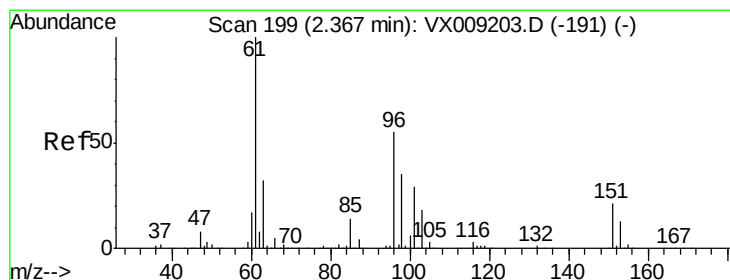
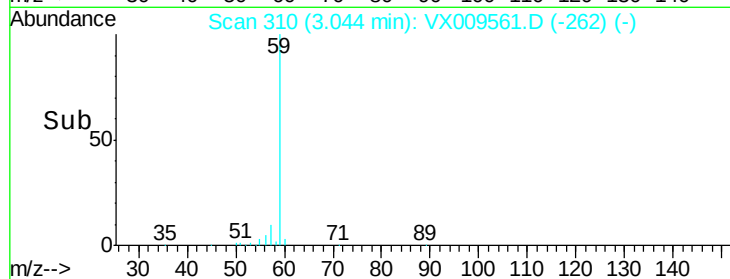
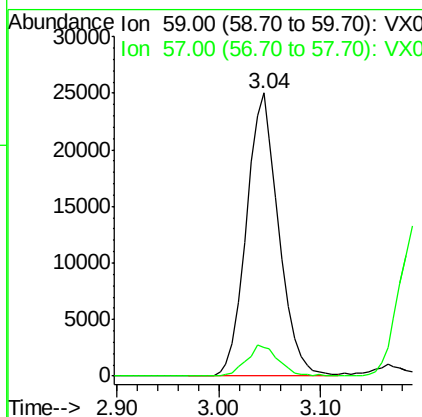
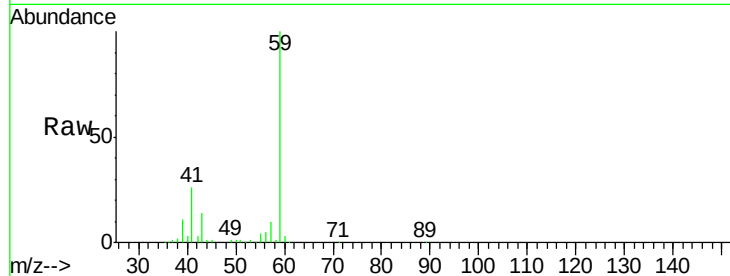
#11
Tert butyl alcohol
Concen: 106.177 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.8	8.2	12.2

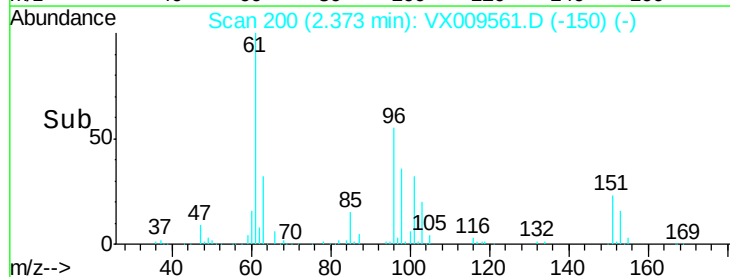
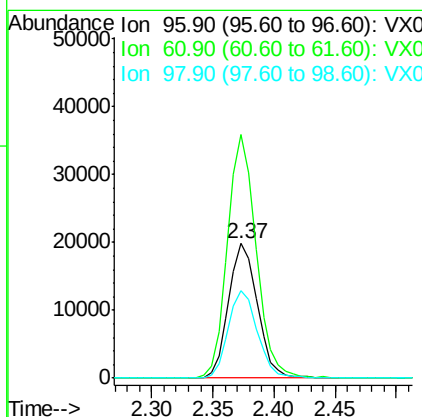
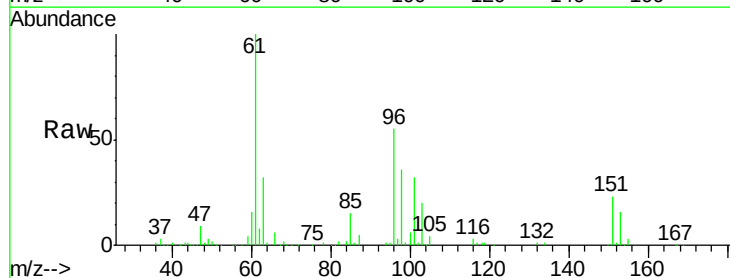
Manual Integrations
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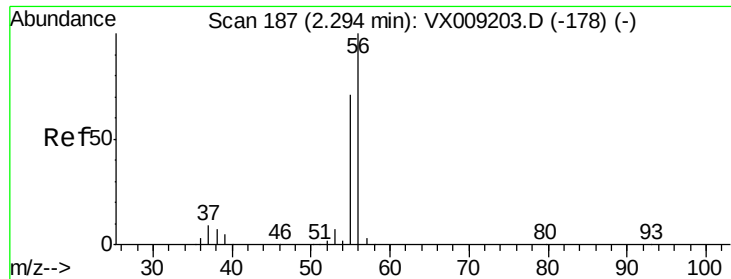
MMDadoda
5/15/2019 12:25:46 PM



#12
1,1-Dichloroethene
Concen: 21.122 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	180.7	144.3	216.5
98	98	65.1	50.3	75.5





#13

Acrolein

Concen: 75.411 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 56 Resp: 35436

Ion Ratio Lower Upper

56 100

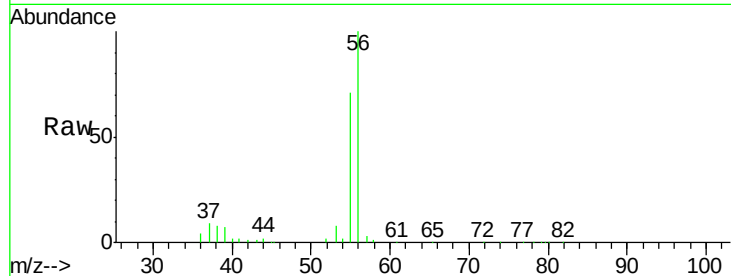
55 72.3 56.6 85.0

Manual Integrations

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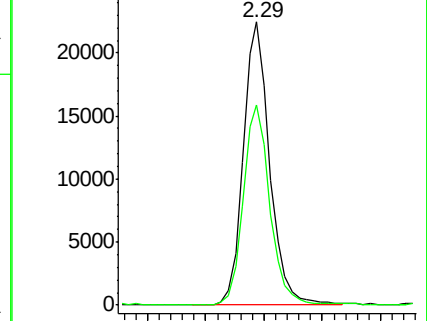
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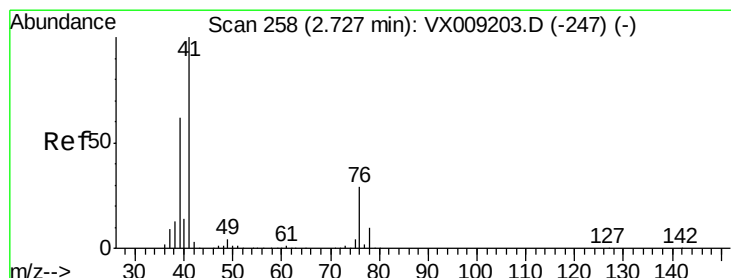
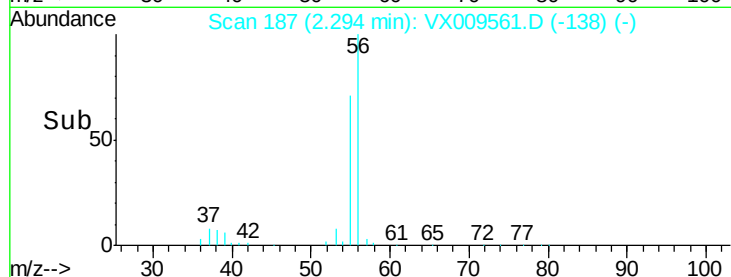


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 20.868 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

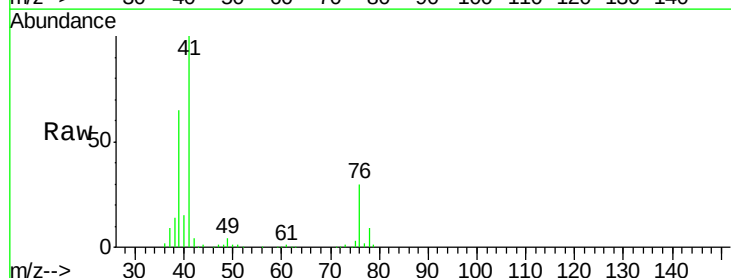
Tgt Ion: 41 Resp: 78352

Ion Ratio Lower Upper

41 100

39 60.7 46.7 70.1

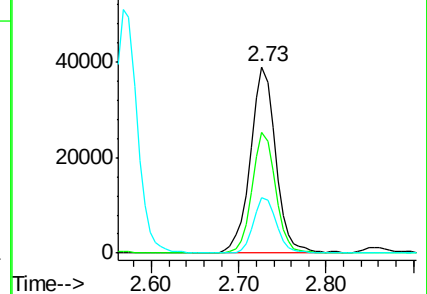
76 27.0 21.8 32.8



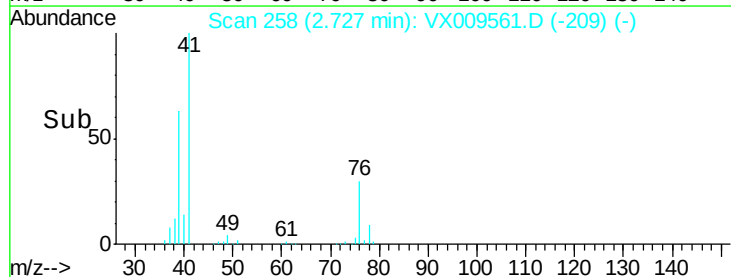
Abundance Ion 41.00 (40.70 to 41.70): VX0

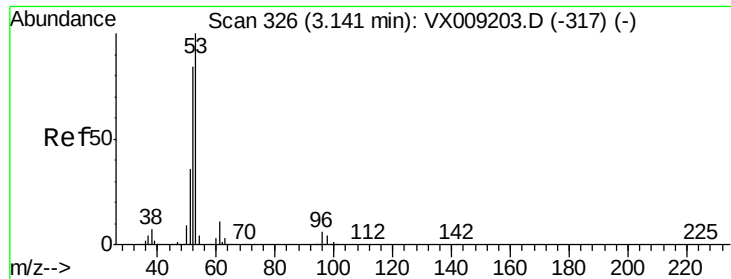
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#15

Acrylonitrile

Concen: 104.845 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

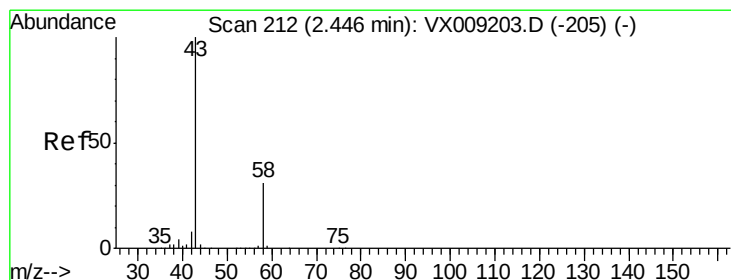
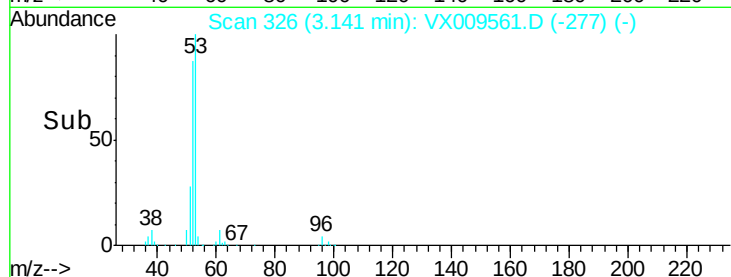
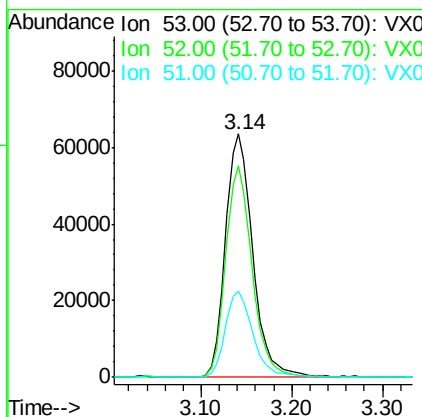
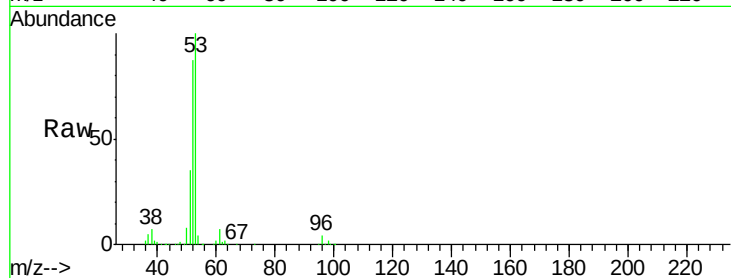
ClientSampleId :

VX0514MBS01

Tot Ion:	53	Resp:	133015
Ion Ratio		Lower	Upper
53	100		
52	84.5	66.9	100.3
51	36.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 110.511 ug/l

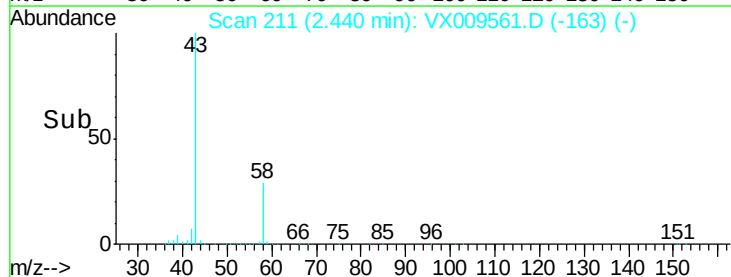
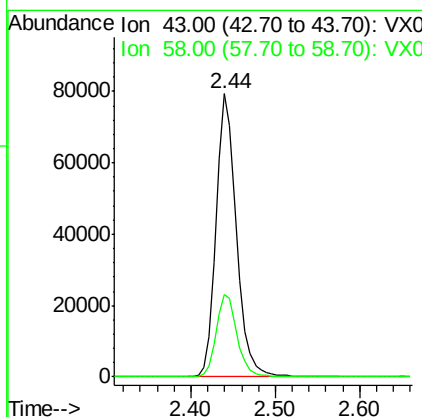
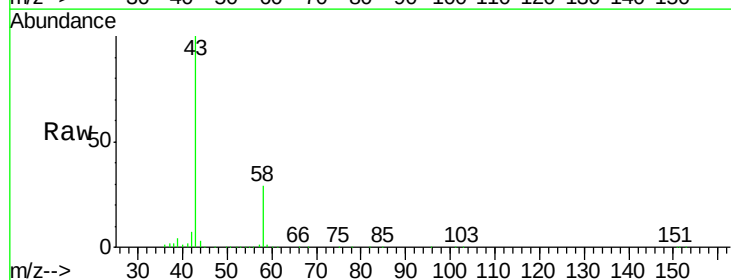
RT: 2.44 min Scan# 211

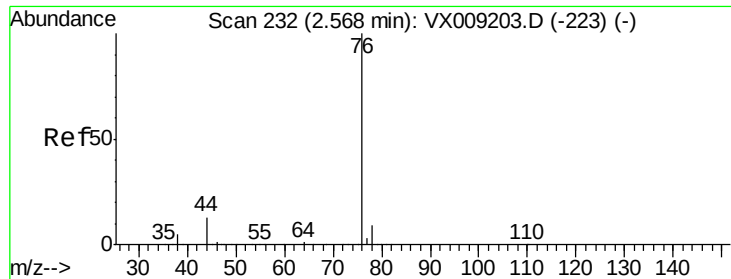
Delta R.T. -0.01 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	43	Resp:	133016
Ion Ratio		Lower	Upper
43	100		
58	28.9	24.9	37.3





#17

Carbon Disulfide

Concen: 20.784 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 76 Resp: 89906

Ion Ratio Lower Upper

76 100

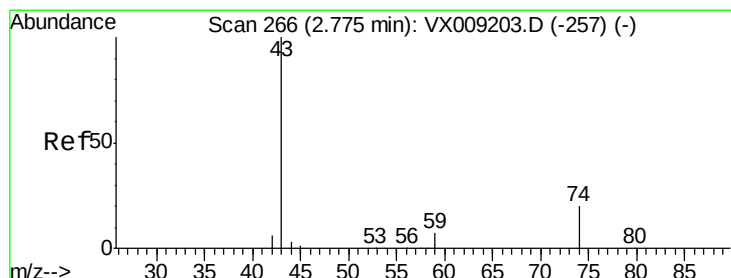
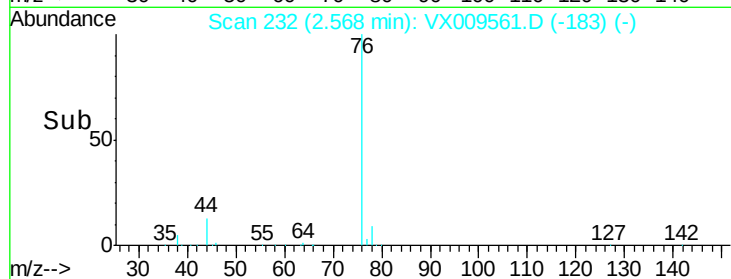
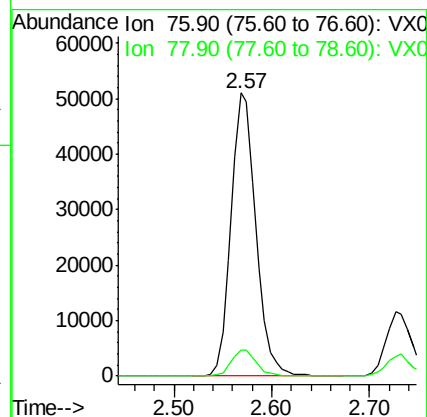
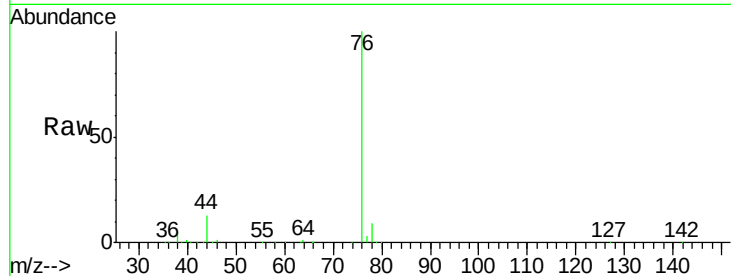
78 9.3 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 21.188 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009561.D

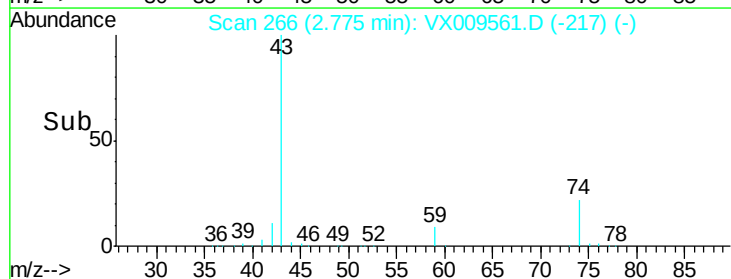
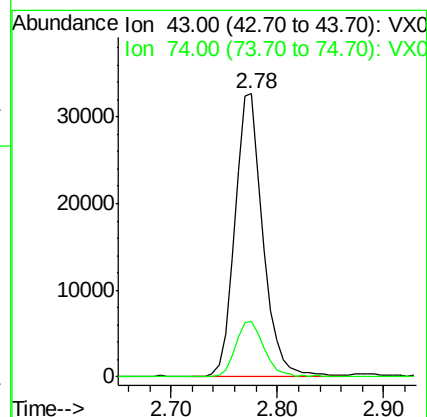
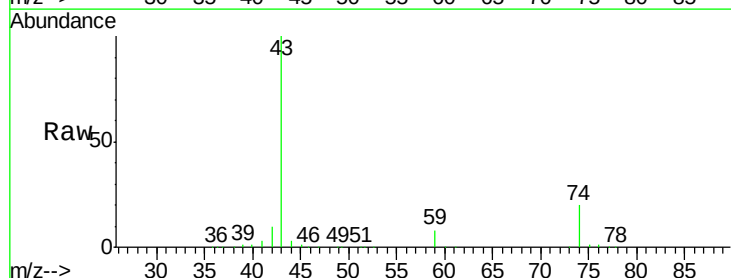
Acq: 14 May 2019 14:53

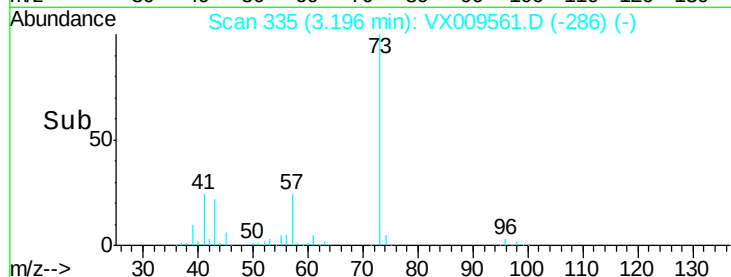
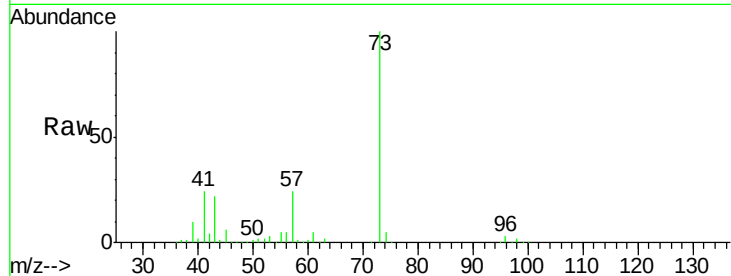
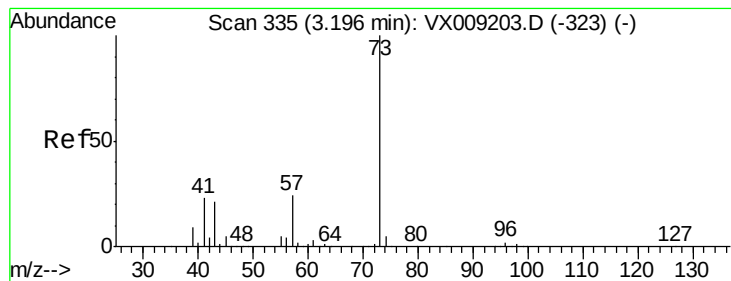
Tgt Ion: 43 Resp: 60650

Ion Ratio Lower Upper

43 100

74 20.2 16.2 24.4





#19

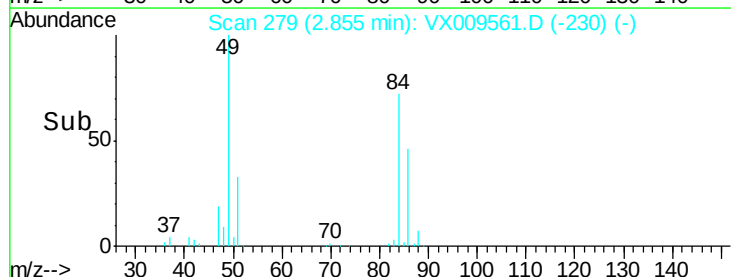
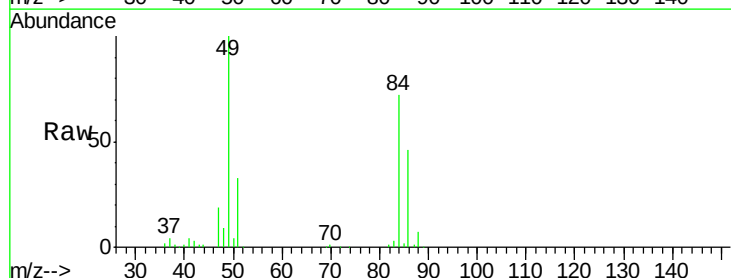
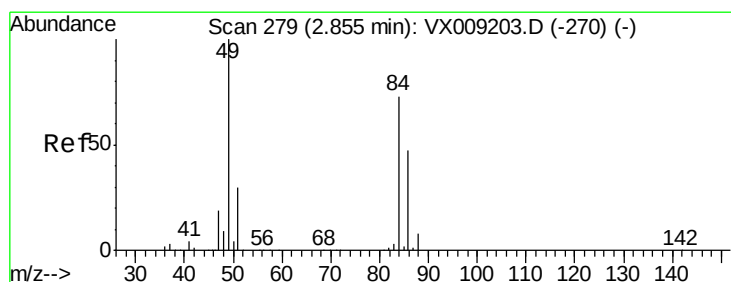
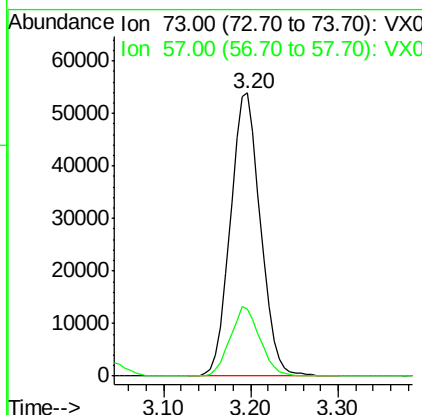
Methyl tert-butyl Ether
 Concen: 21.515 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

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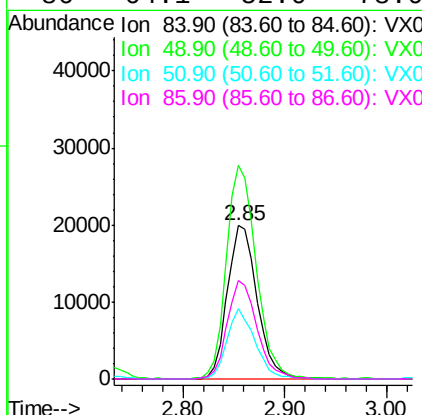
MMDadoda
 5/15/2019 12:25:46 PM

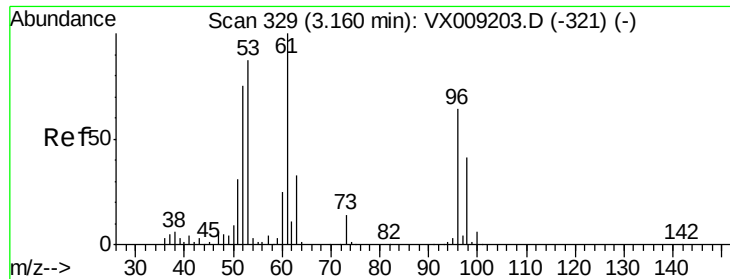


#20

Methylene Chloride
 Concen: 20.544 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.6	109.9	164.9
51	45.8	32.7	49.1
86	64.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 21.105 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

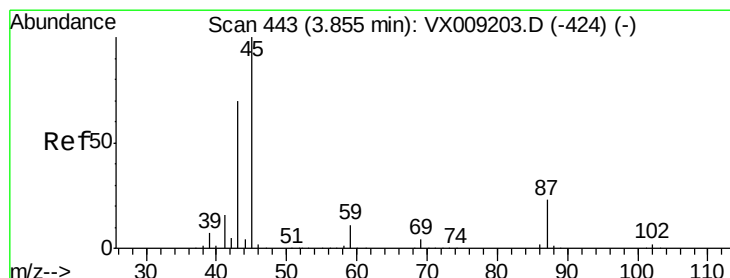
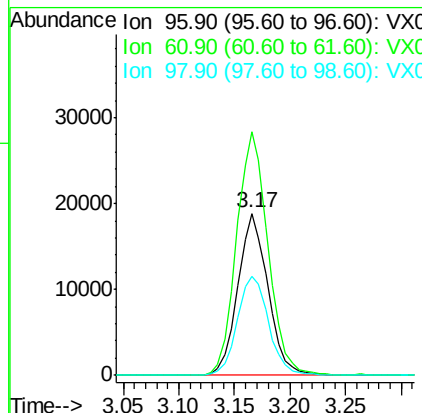
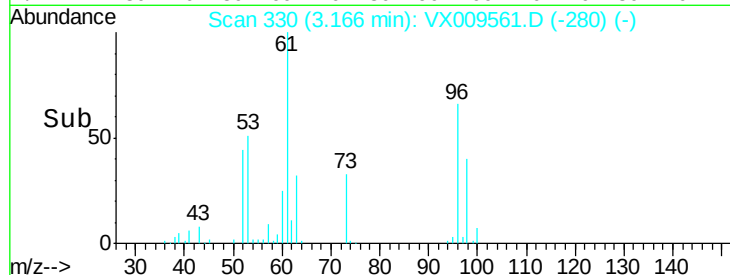
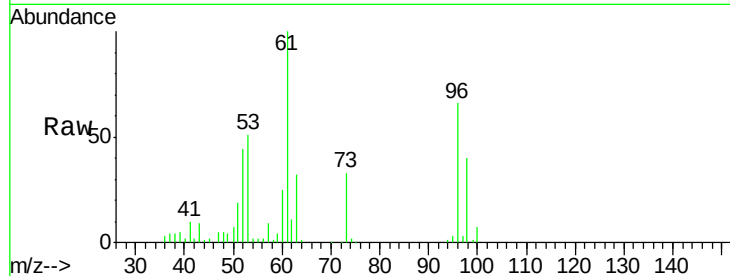
ClientSampleId :

VX0514MBS01

Tot Ion:	96	Resp:	35264
Ion	Ratio	Lower	Upper
96	100		
61	150.2	124.5	186.7
98	60.9	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.696 ug/l

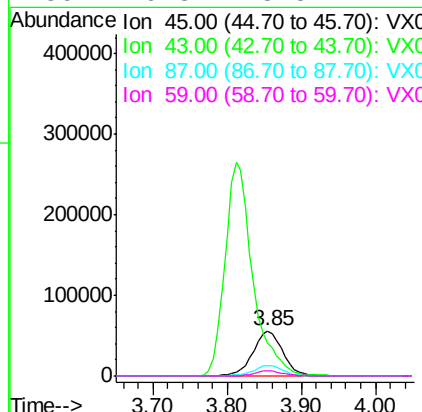
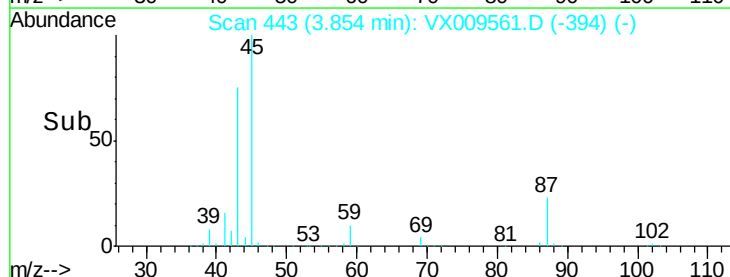
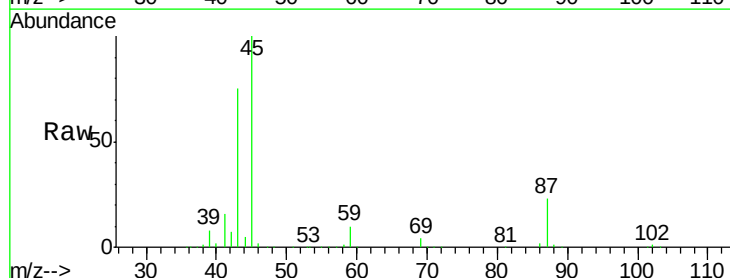
RT: 3.85 min Scan# 443

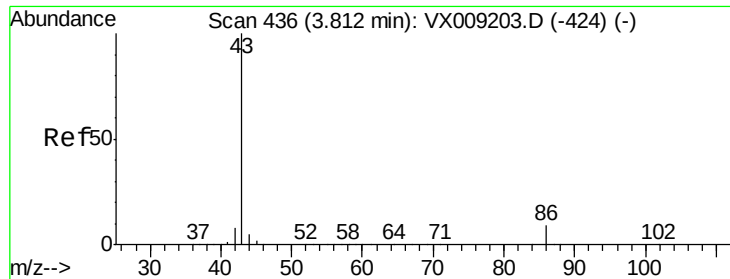
Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	45	Resp:	156659
Ion	Ratio	Lower	Upper
45	100		
43	74.6	56.1	84.1
87	22.7	18.1	27.1
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 112.104 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 43 Resp: 693165

Ion Ratio Lower Upper

43 100

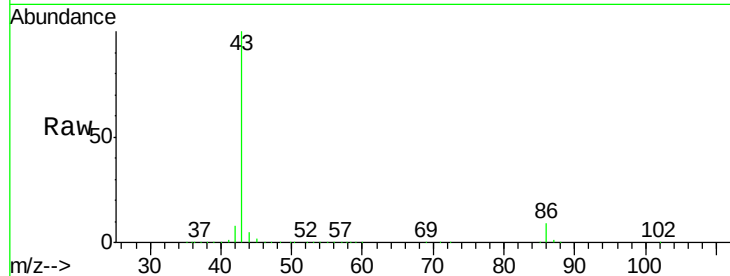
86 8.5 6.9 10.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

250000

200000

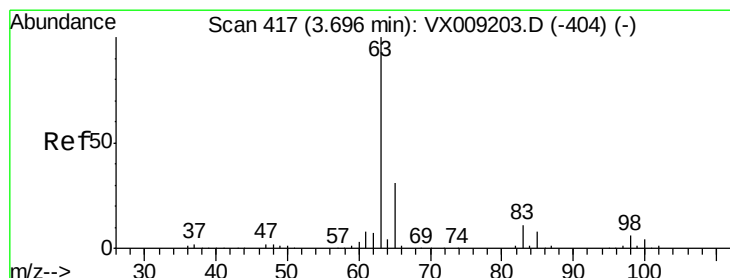
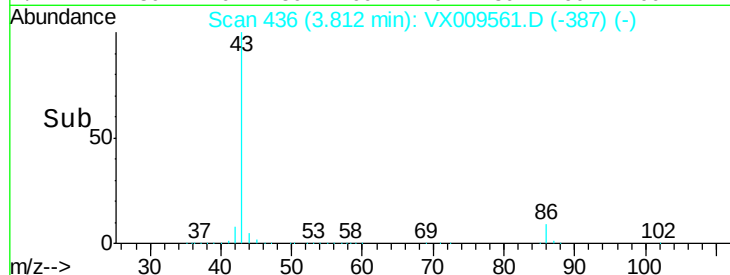
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.267 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

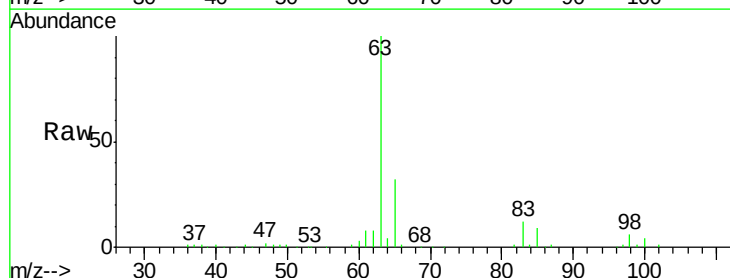
Tgt Ion: 63 Resp: 75756

Ion Ratio Lower Upper

63 100

98 6.0 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

3.70

40000

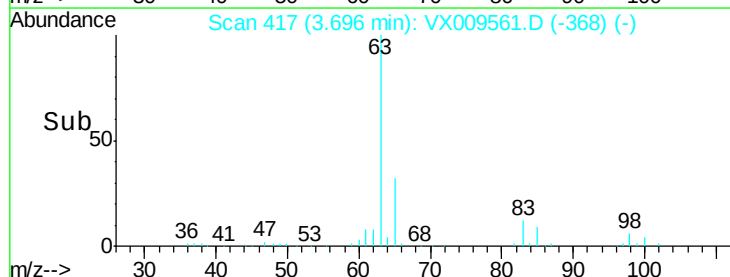
30000

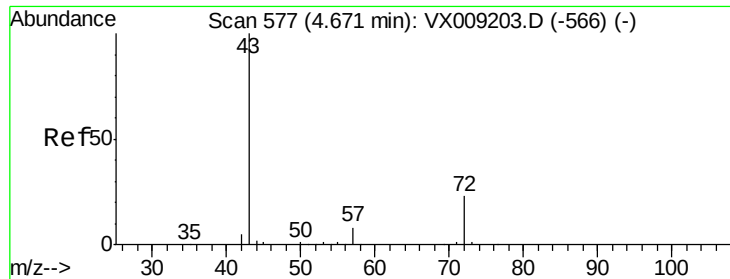
20000

10000

0

Time-->





#25

2-Butanone

Concen: 108.800 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 43 Resp: 203502

Ion Ratio Lower Upper

43 100

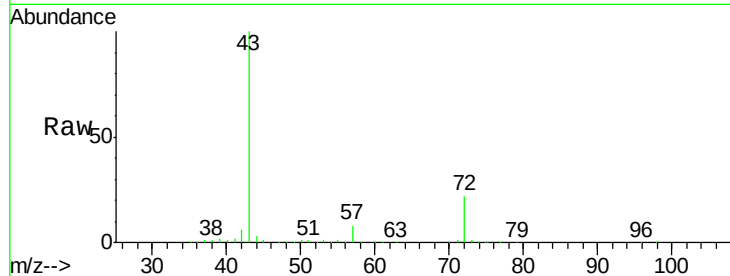
72 22.3 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

80000

60000

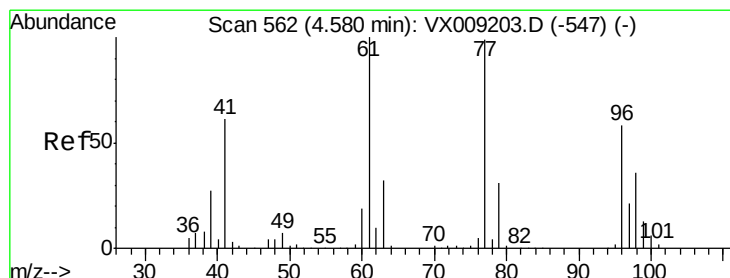
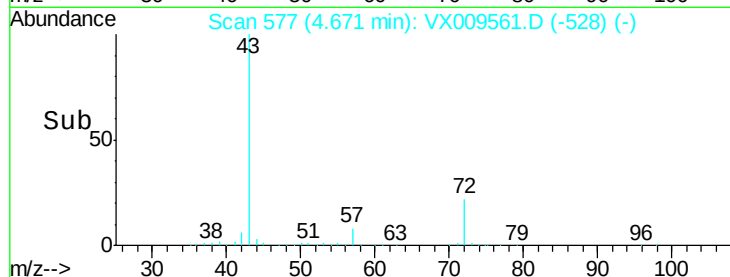
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 22.057 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009561.D

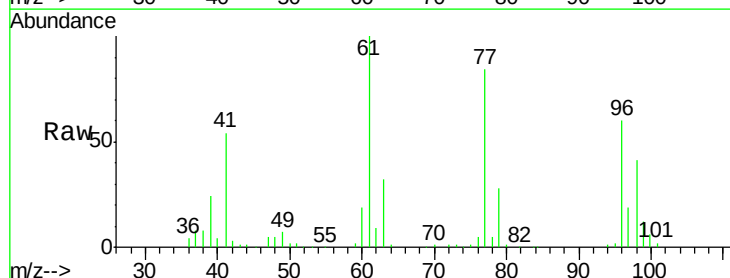
Acq: 14 May 2019 14:53

Tgt Ion: 77 Resp: 58482

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

20000

15000

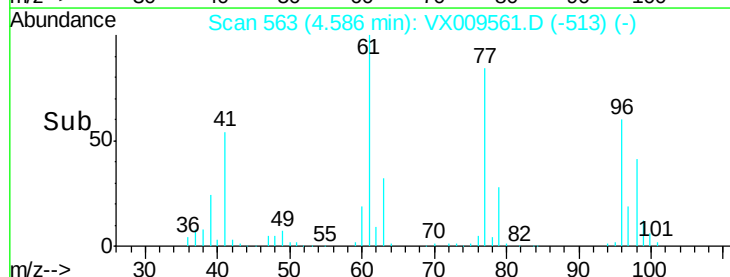
10000

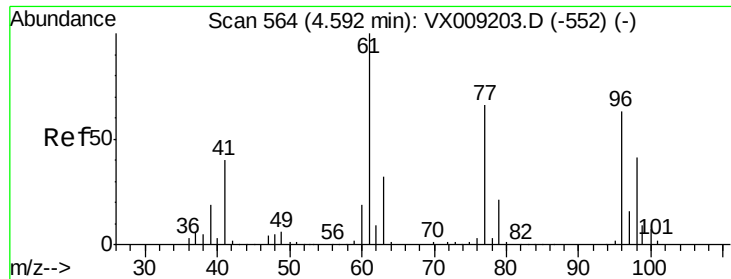
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

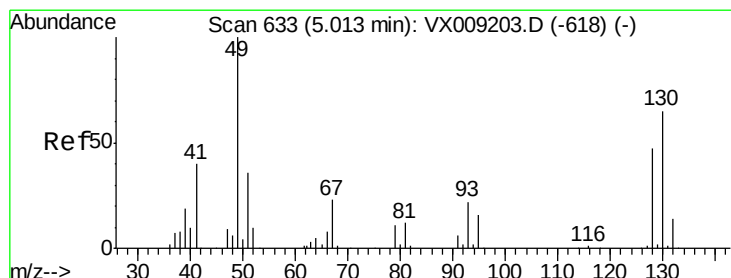
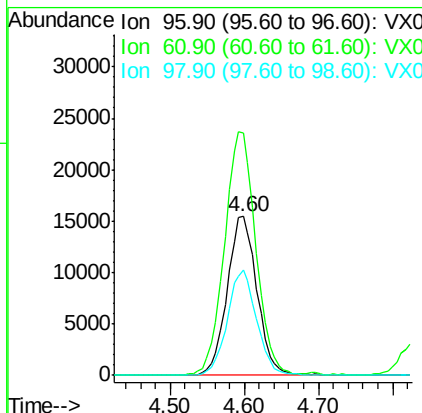
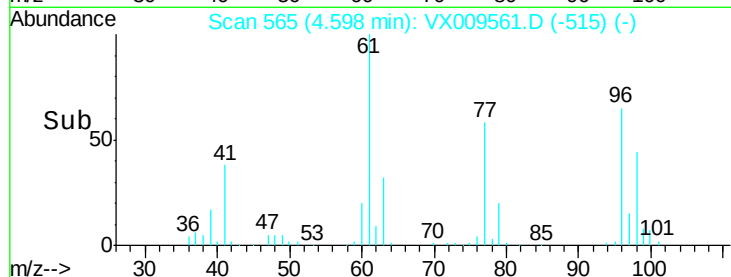
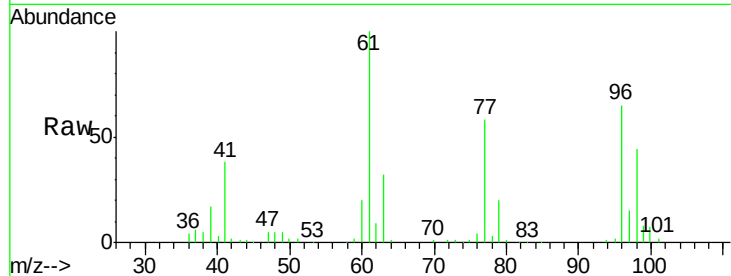
cis-1,2-Dichloroethene
Concen: 21.700 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	324.0
98	65.2	0.0	130.4

Manual Integrations
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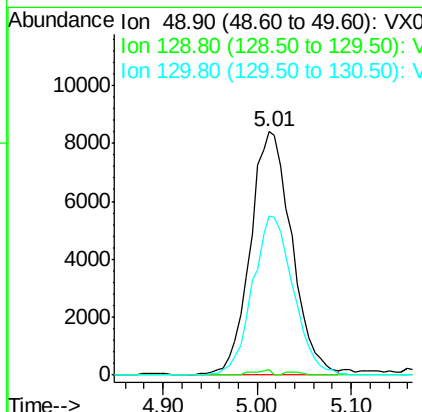
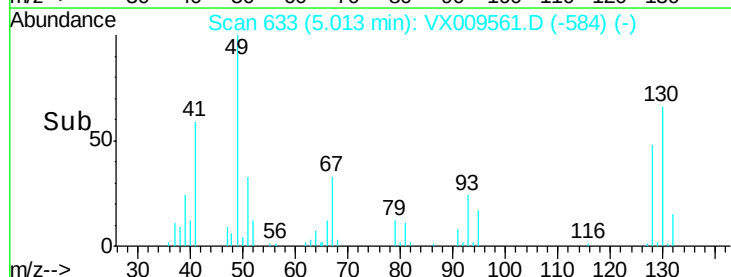
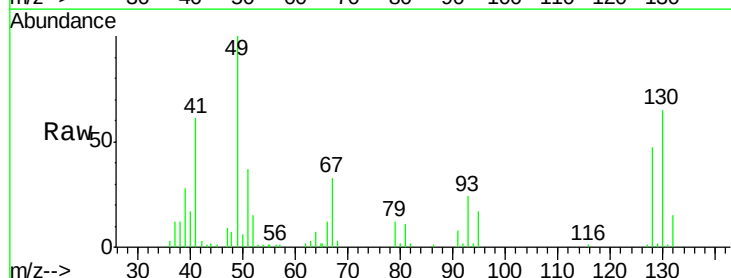
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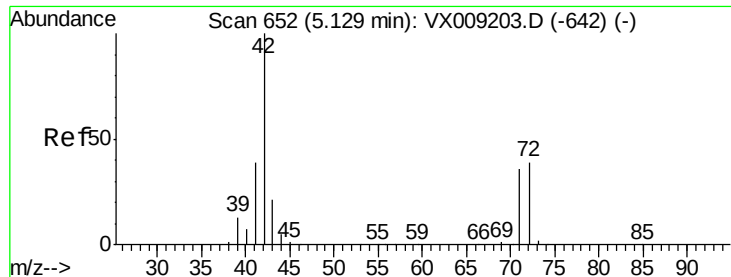


#28

Bromochloromethane
Concen: 16.198 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	64.2	51.2	76.8





#29

Tetrahydrofuran

Concen: 109.396 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

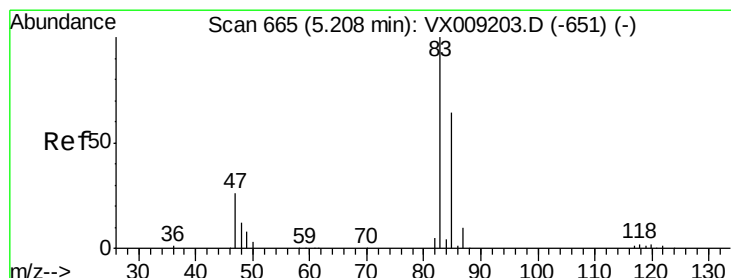
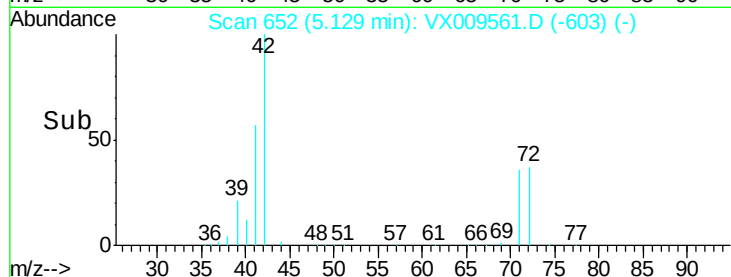
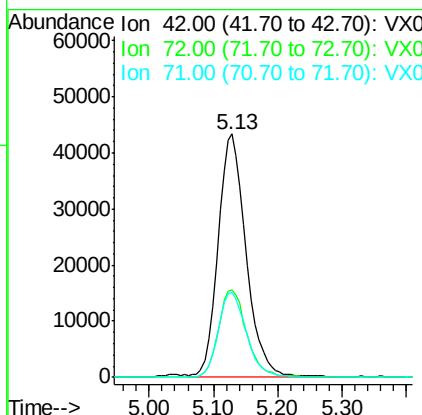
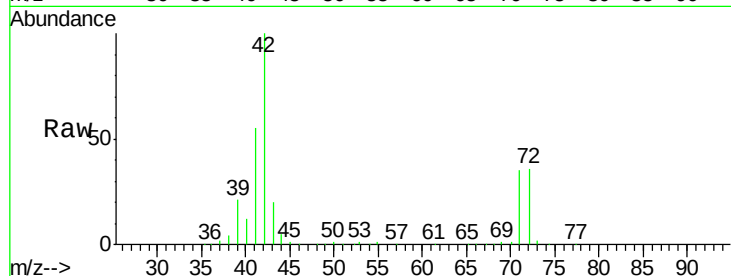
ClientSampleId :

VX0514MBS01

Tot Ion:	42	Resp:	131670
Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.4	45.6
71	35.6	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 21.731 ug/l

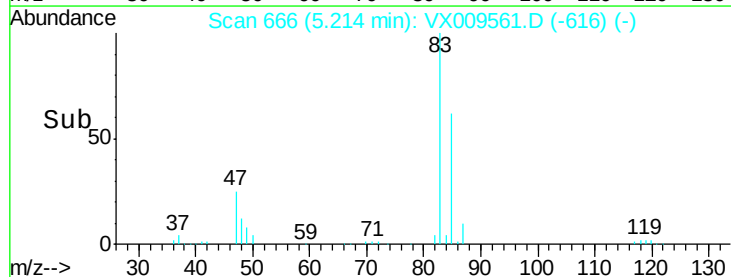
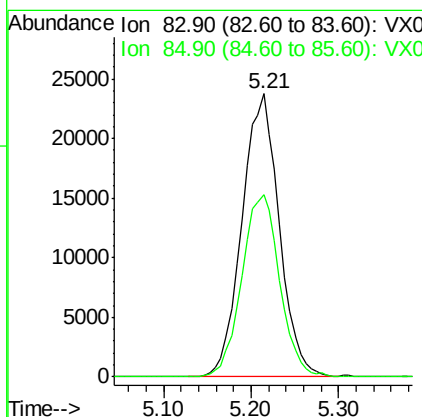
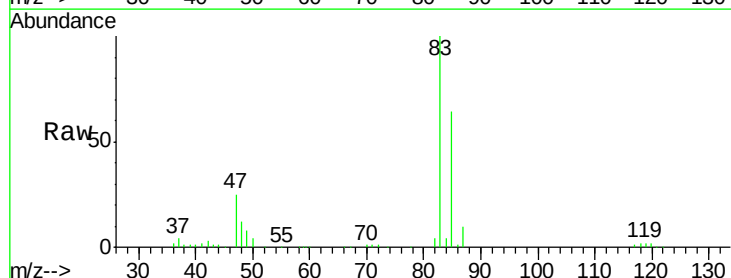
RT: 5.21 min Scan# 666

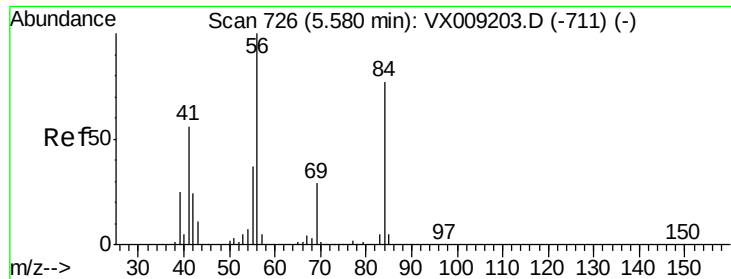
Delta R.T. 0.01 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	83	Resp:	70011
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3





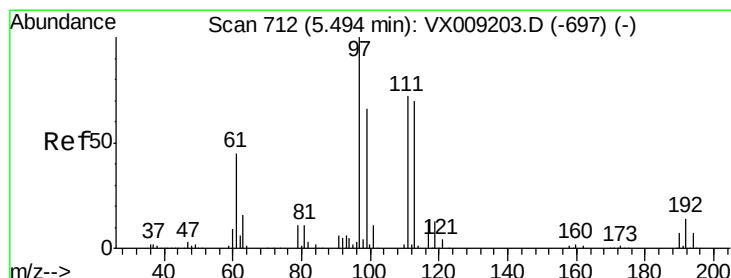
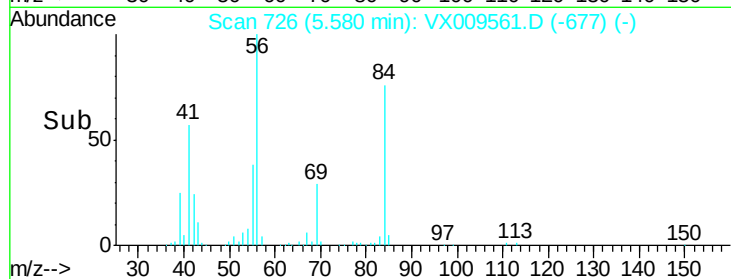
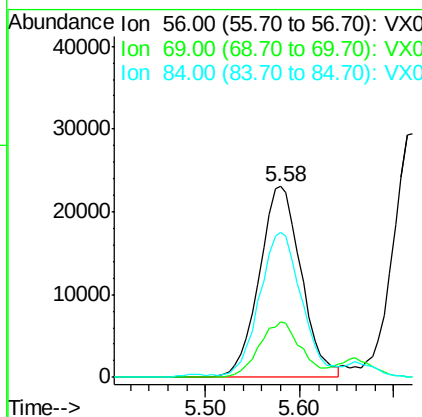
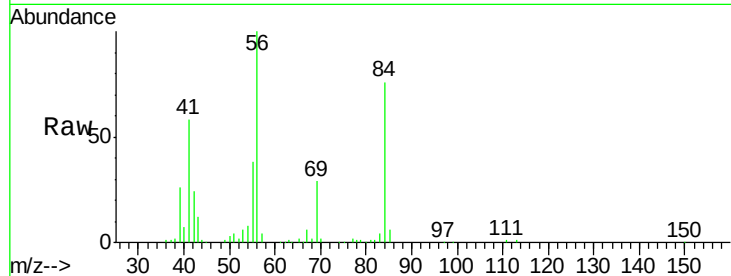
#31
Cyclohexane
Concen: 21.727 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.0
84	75.0	61.9	92.9

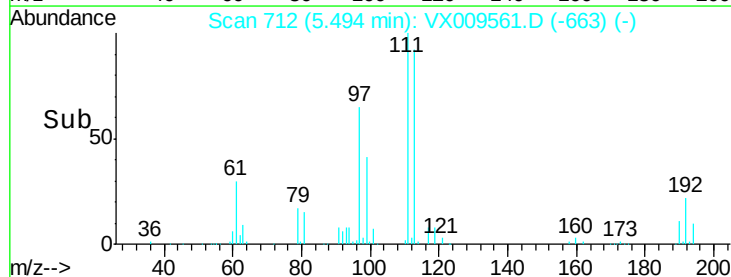
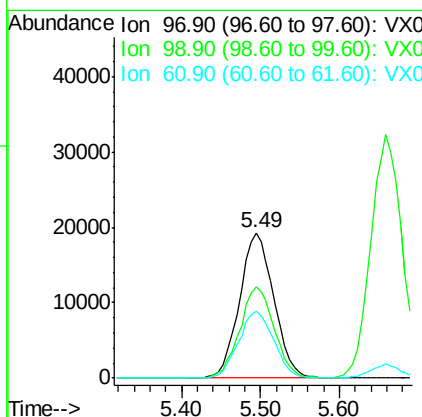
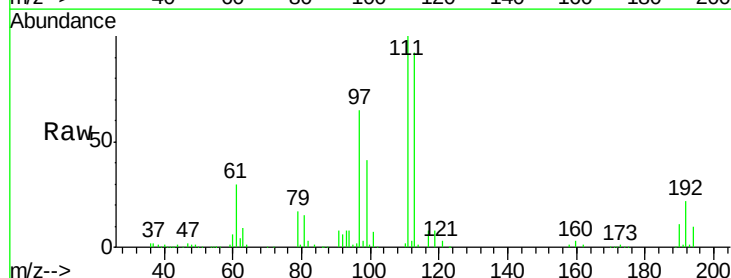
Manual Integrations
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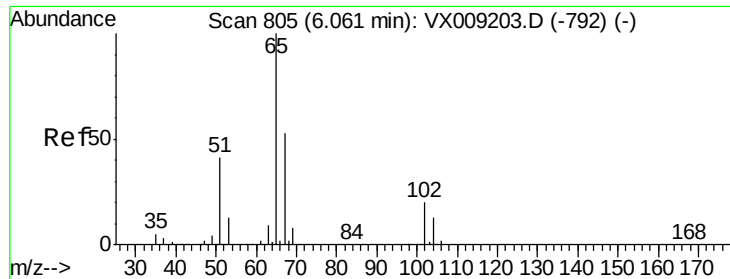
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#32
1,1,1-Trichloroethane
Concen: 21.678 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.8
61	47.8	37.8	56.8





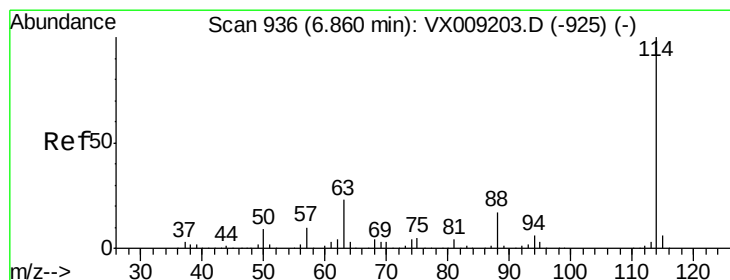
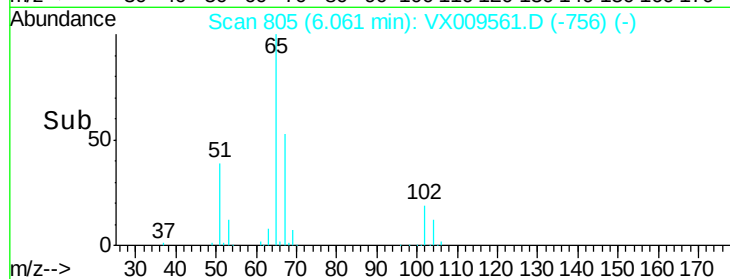
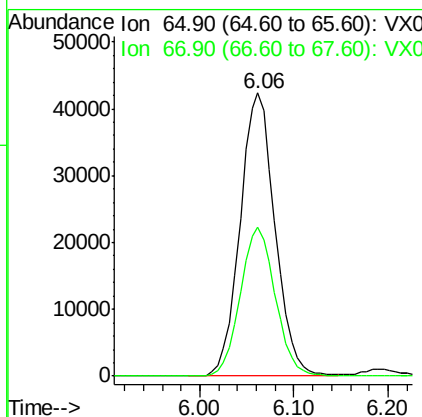
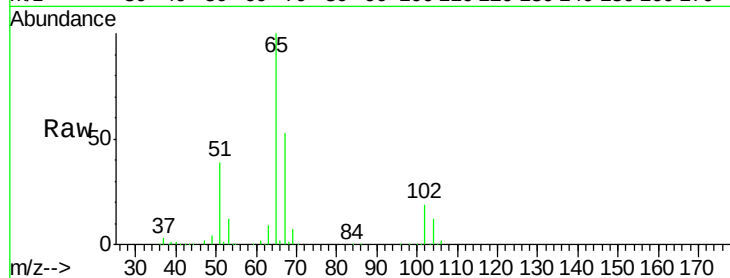
#33
 1,2-Dichloroethane-d4
 Concen: 48.958 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.6

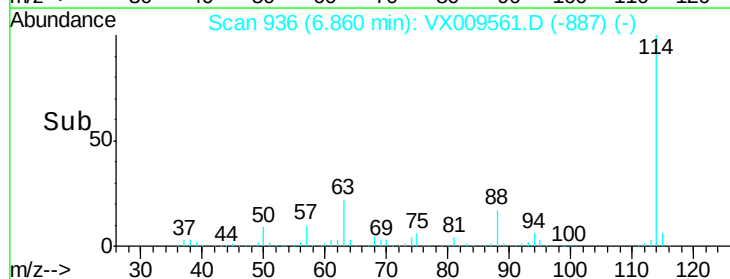
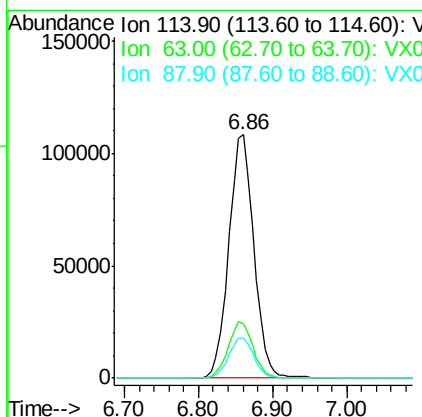
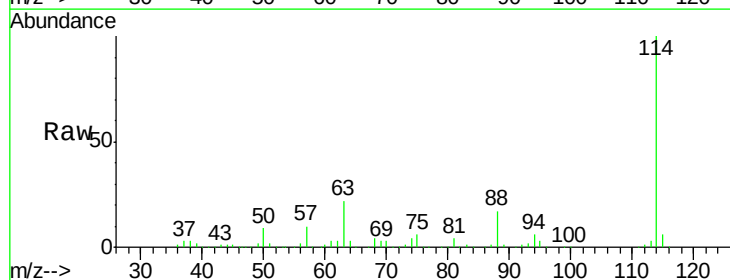
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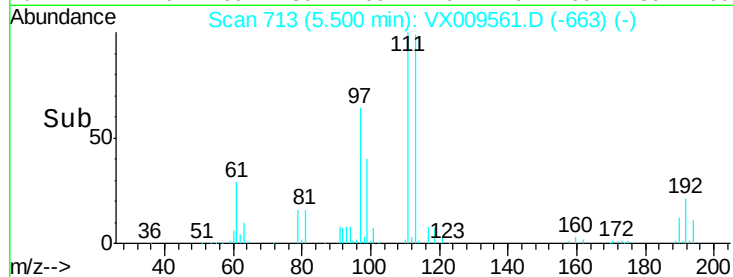
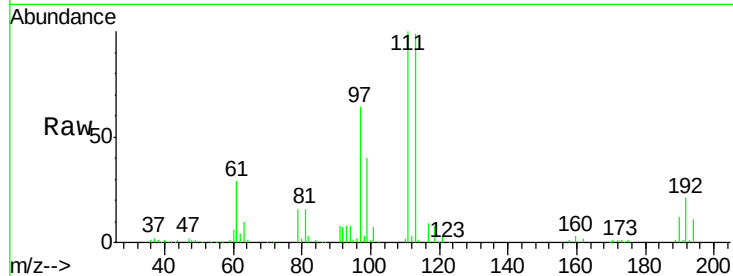
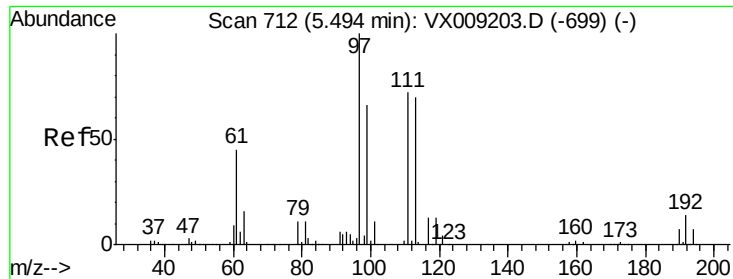
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.6
88	16.7	0.0	33.2





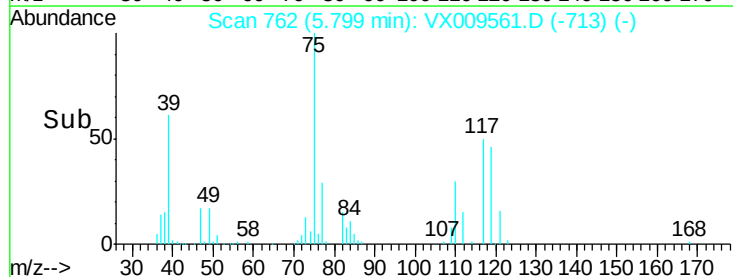
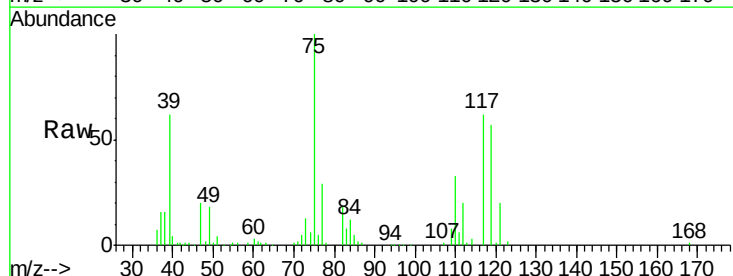
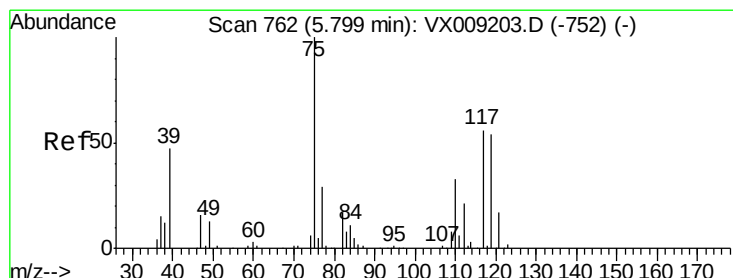
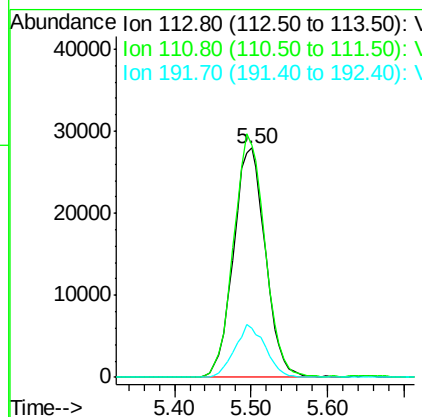
#35
Dibromofluoromethane
Concen: 50.410 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tot Ion	Ratio	Resp	Lower	Upper
113	100	81114		
111	103.7	82.8	124.2	
192	22.0	17.0	25.6	

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

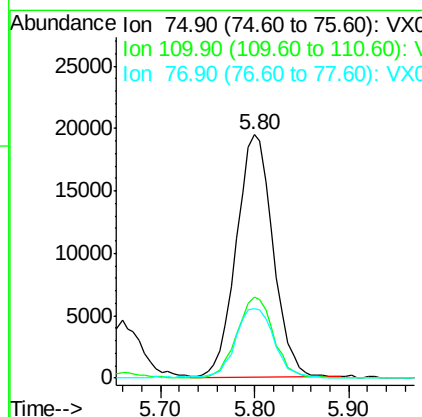
Manual Integrations
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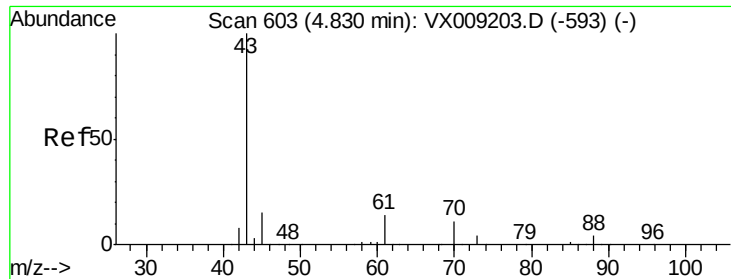
MMDadoda
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#36
1,1-Dichloropropene
Concen: 22.202 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52812		
110	33.8	16.9	50.6	
77	30.4	24.8	37.2	





#37

Ethyl Acetate

Concen: 22.329 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

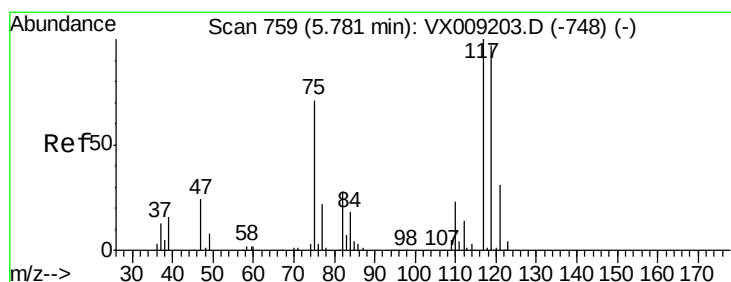
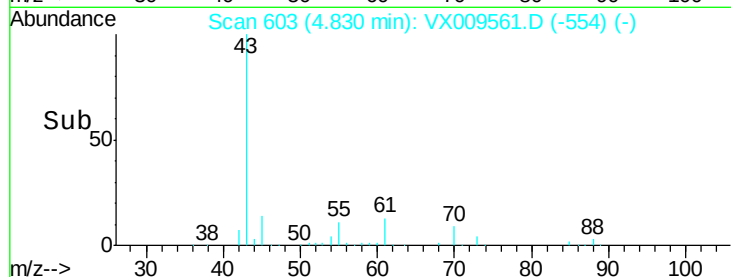
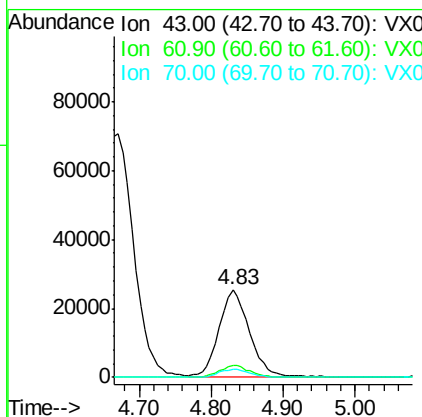
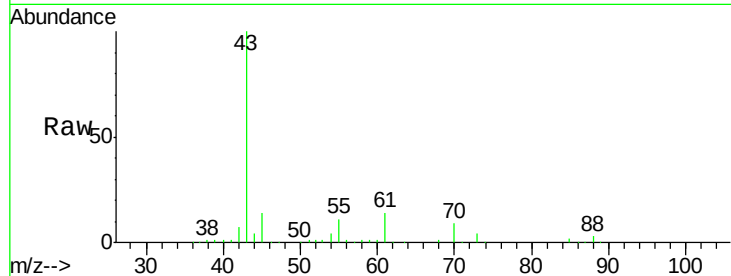
ClientSampleId :

VX0514MBS01

Tot Ion:	43	Resp:	74004
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	9.7	7.9	11.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.370 ug/l

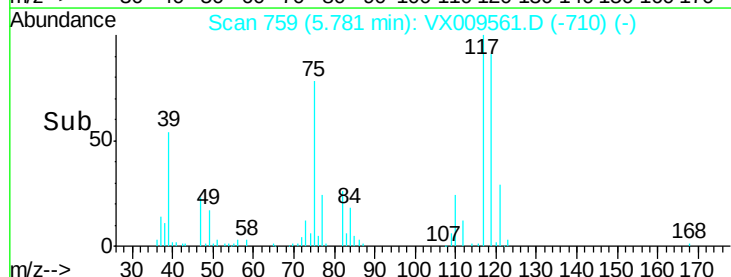
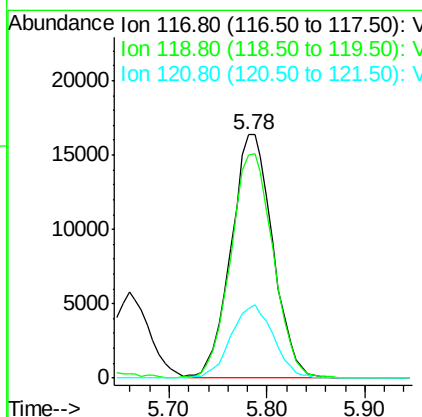
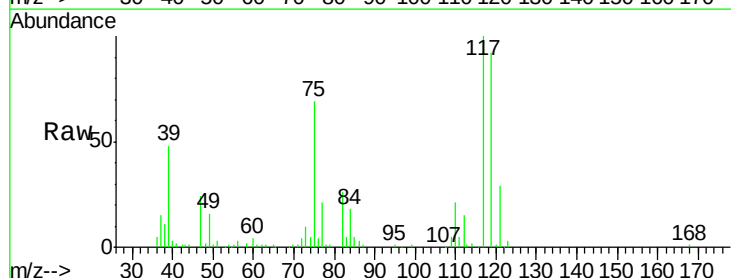
RT: 5.78 min Scan# 759

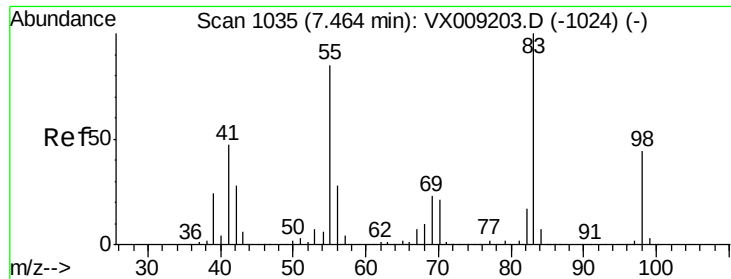
Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	117	Resp:	48345
Ion	Ratio	Lower	Upper
117	100		
119	91.6	77.5	116.3
121	28.8	24.7	37.1





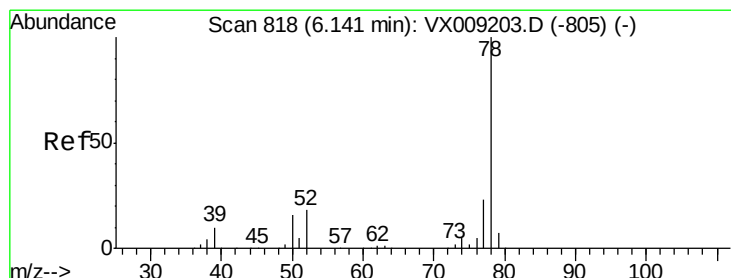
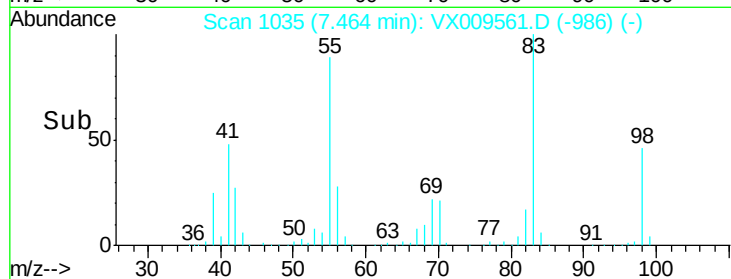
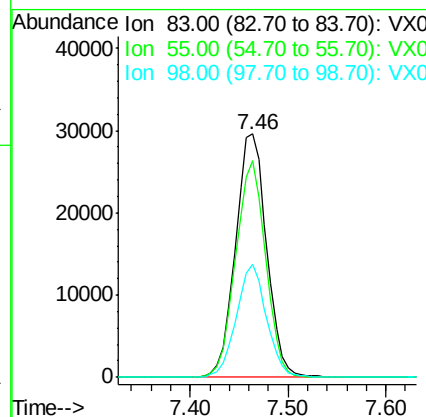
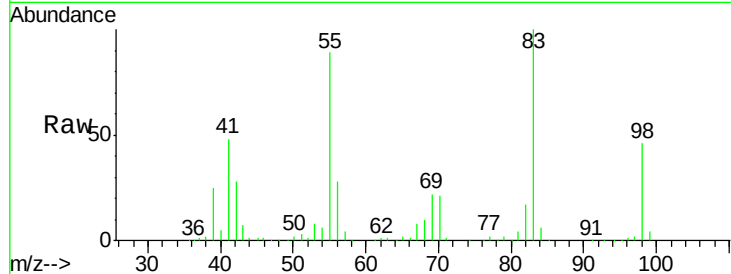
#39
Methylvlcyclohexane
Concen: 22.370 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	67.7	101.5
98	46.2	35.5	53.3

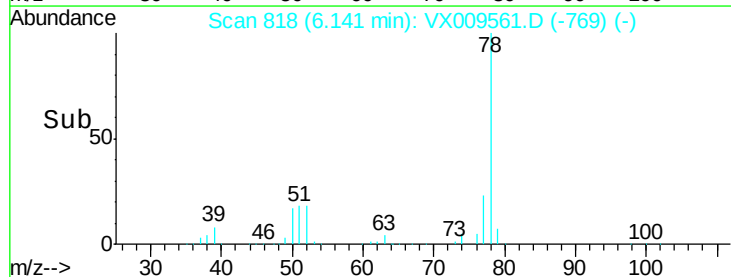
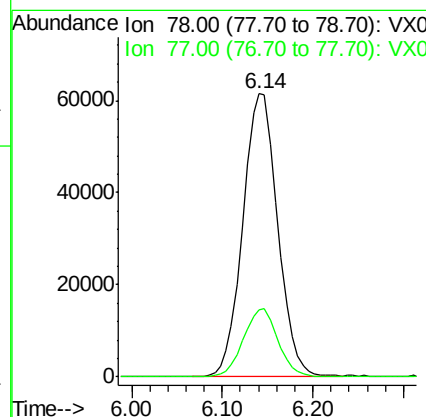
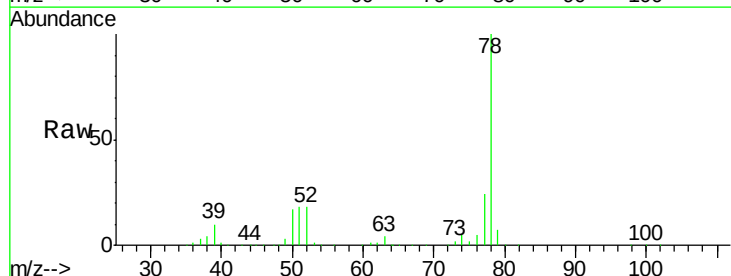
Manual Integrations
APPROVED

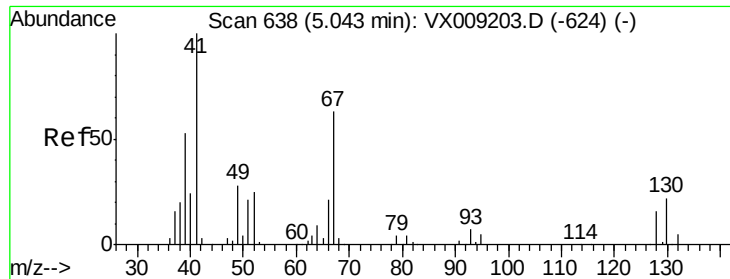
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#40
Benzene
Concen: 22.242 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 21.177 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

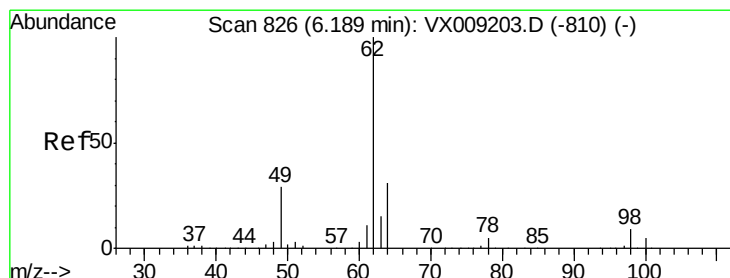
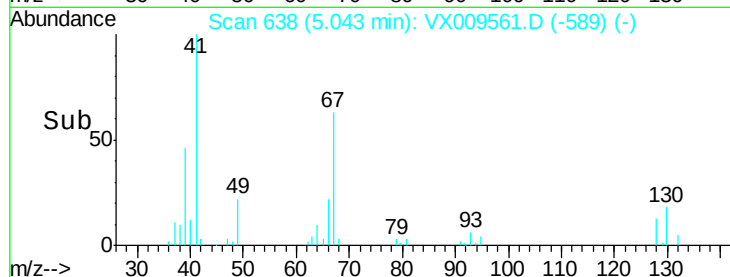
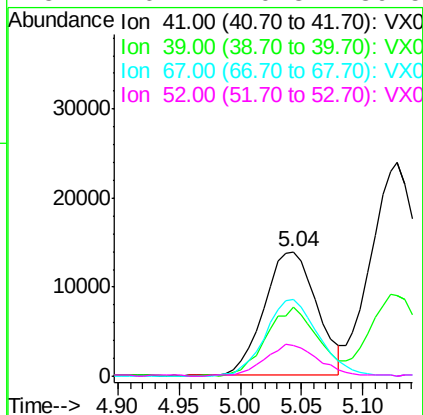
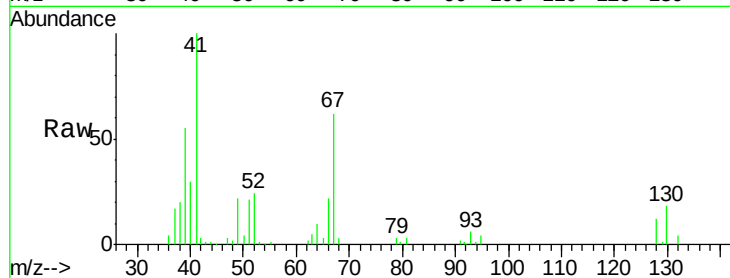
ClientSampleId :

VX0514MBS01

Tot Ion:	41	Resp:	41780
Ion	Ratio	Lower	Upper
41	100		
39	55.4	42.0	63.0
67	63.0	49.8	74.8
52	26.7	20.3	30.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.650 ug/l

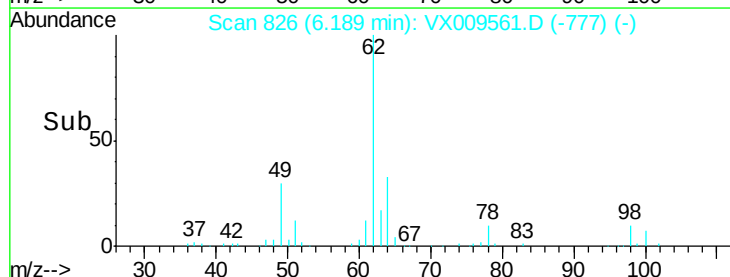
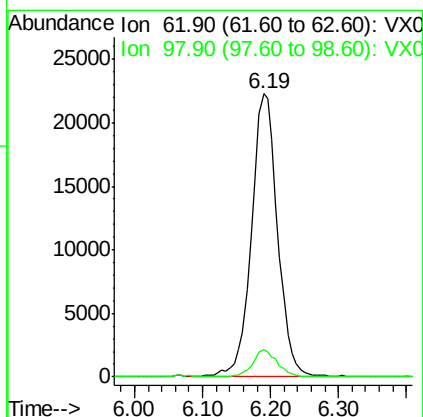
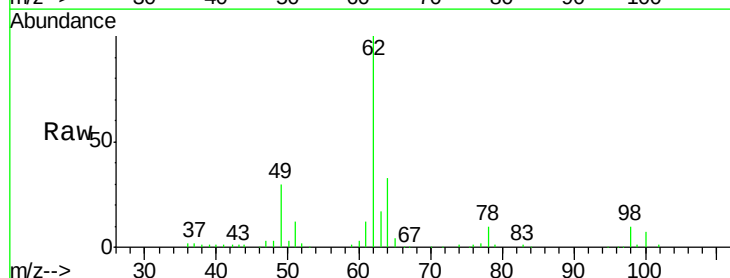
RT: 6.19 min Scan# 826

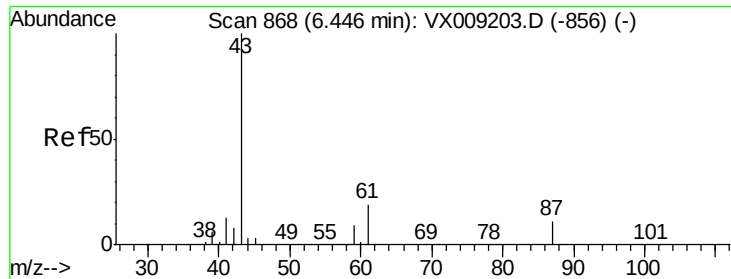
Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	62	Resp:	59813
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 22.269 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

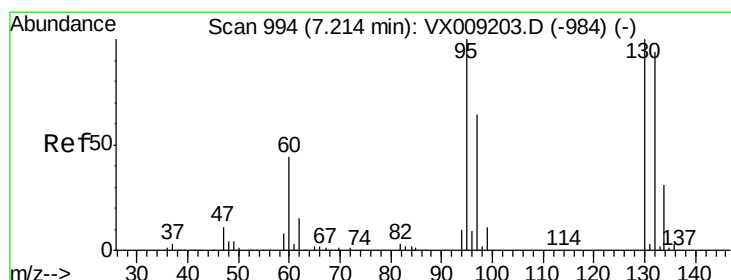
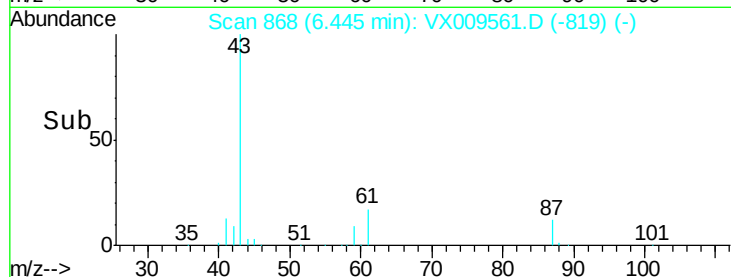
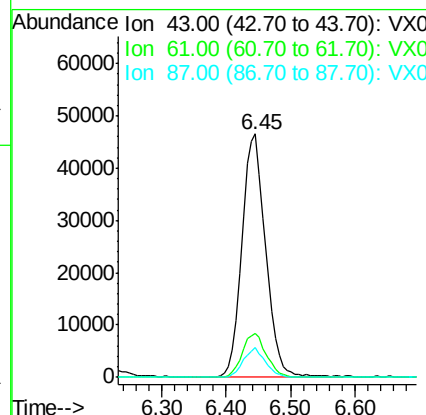
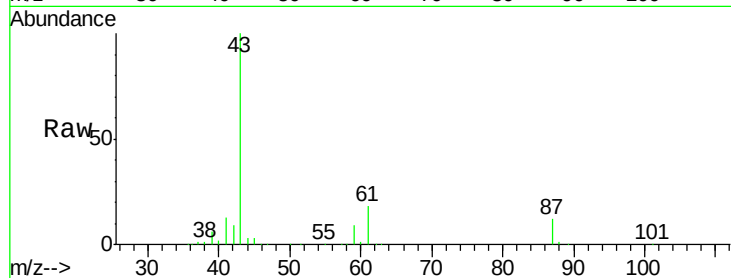
ClientSampleId :

VX0514MBS01

Tot Ion:	43	Resp:	118055
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	11.3	9.0	13.6

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#44

Trichloroethene

Concen: 22.046 ug/l

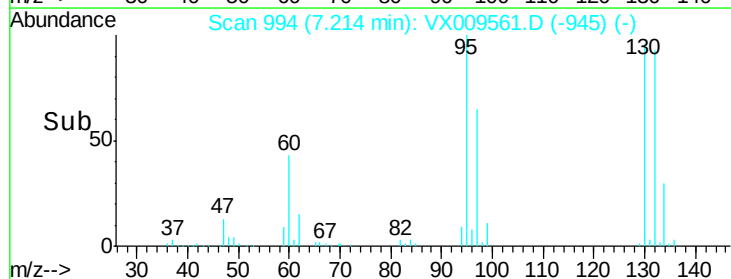
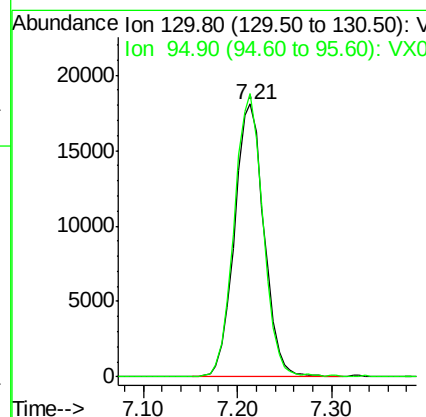
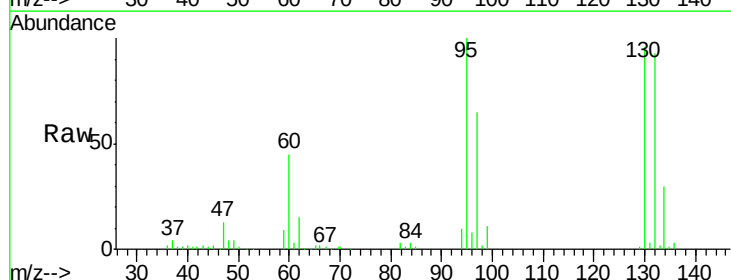
RT: 7.21 min Scan# 994

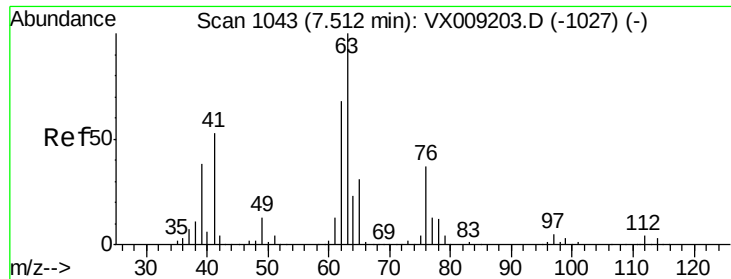
Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	130	Resp:	39235
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	199.2





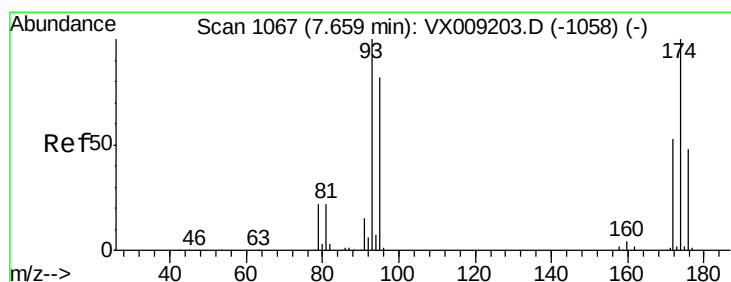
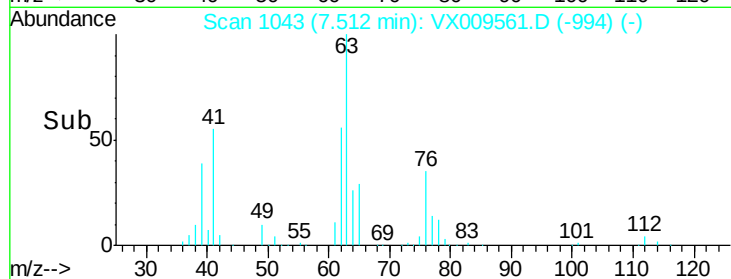
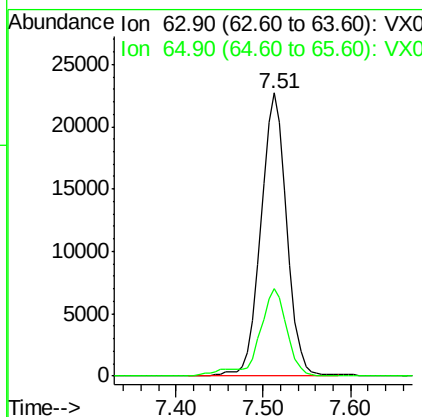
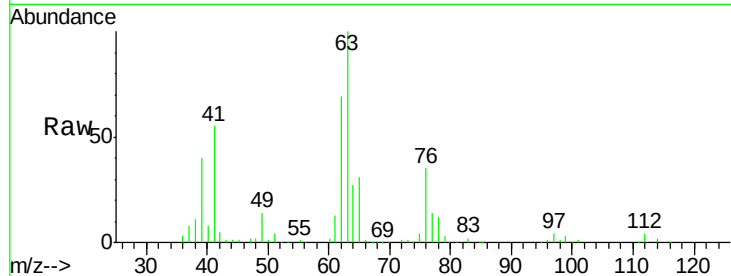
#45
 1,2-Dichloropropane
 Concen: 22.555 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Tot Ion: 63 Resp: 47016
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

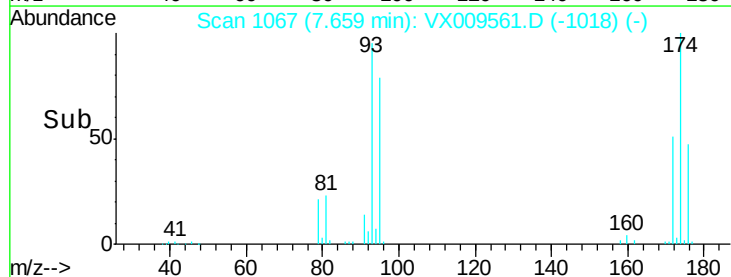
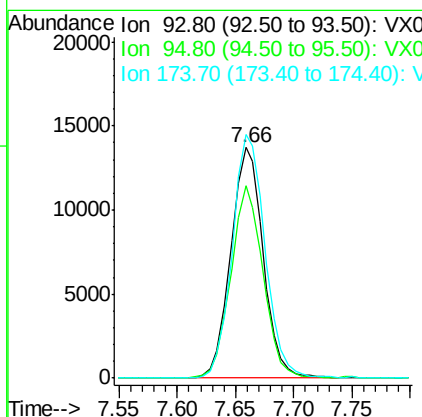
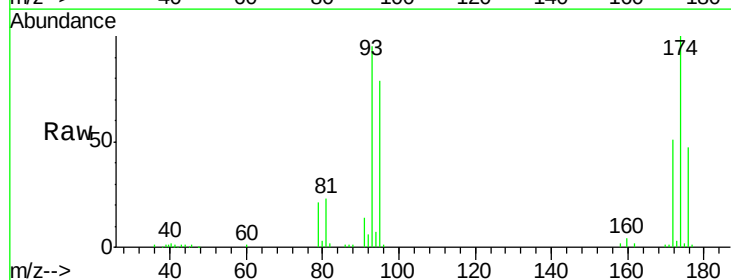
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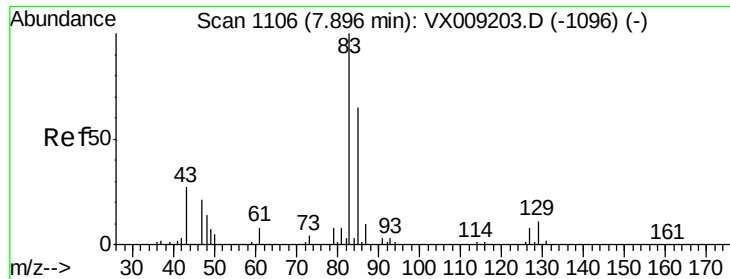
MMDadoda
 5/15/2019 12:25:46 PM



#46
 Dibromomethane
 Concen: 21.930 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion: 93 Resp: 26546
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.5 99.7
 174 107.2 82.1 123.1





#47

Bromodichloromethane

Concen: 21.909 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

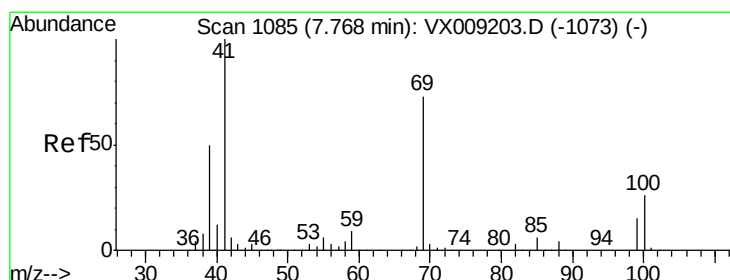
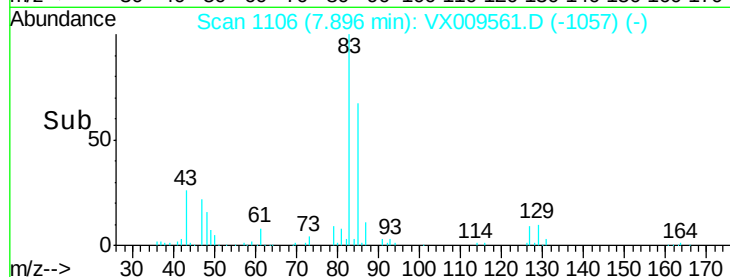
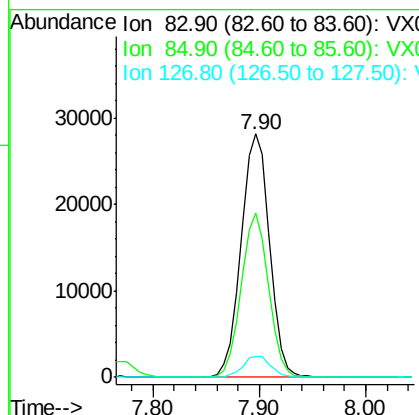
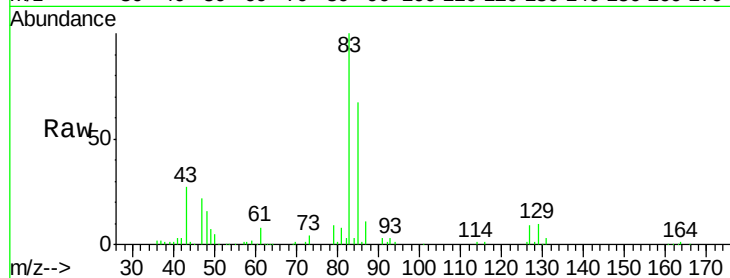
ClientSampleId :

VX0514MBS01

Tot Ion:	83	Resp:	52901
Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.4	78.6
127	8.6	6.6	10.0

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#48

Methyl methacrylate

Concen: 22.760 ug/l

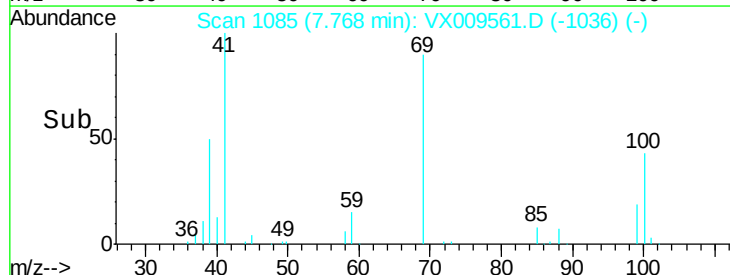
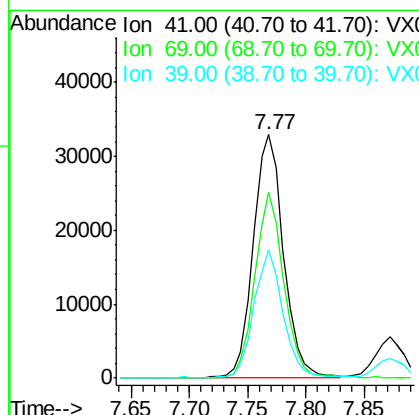
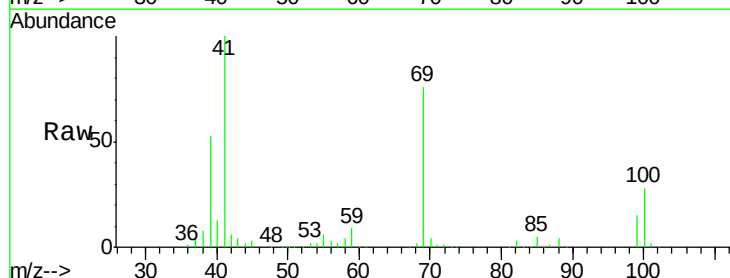
RT: 7.77 min Scan# 1085

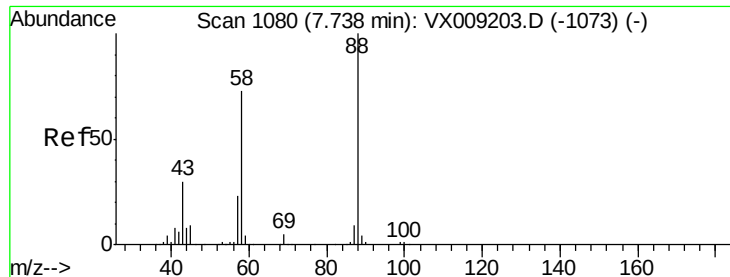
Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	41	Resp:	59861
Ion	Ratio	Lower	Upper
41	100		
69	73.2	59.1	88.7
39	49.6	40.4	60.6





#49

1,4-Dioxane

Concen: 435.561 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

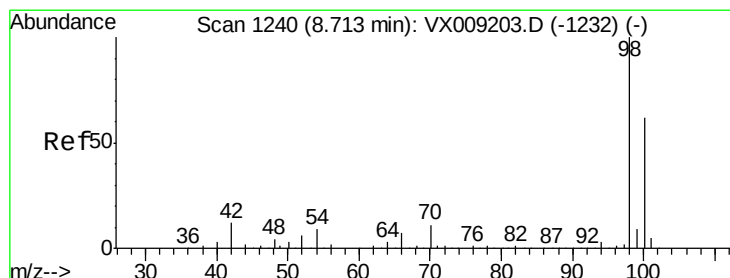
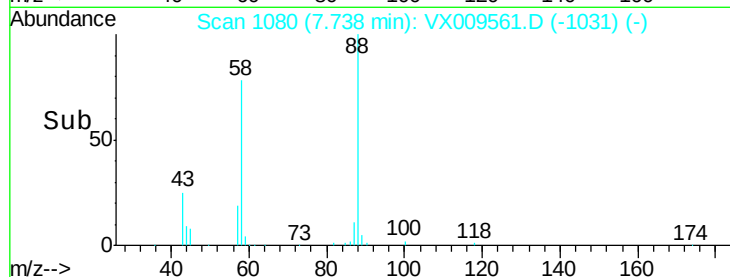
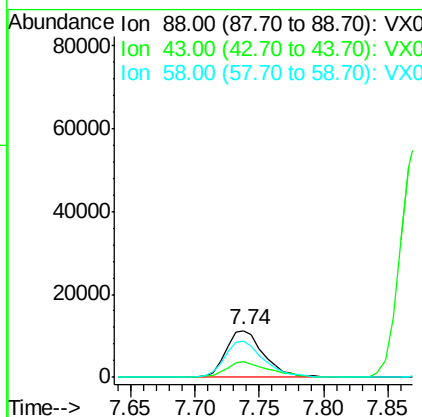
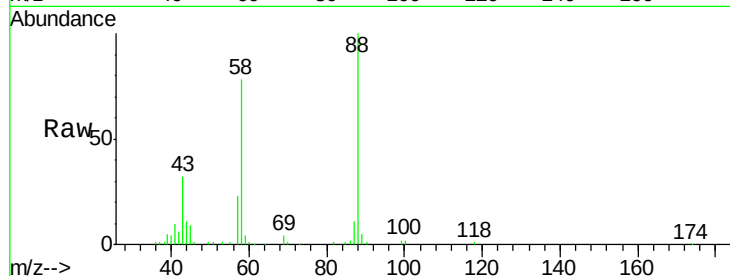
ClientSampleId :

VX0514MBS01

Tot Ion:	88	Resp:	23232
Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	42.8
58	79.9	61.7	92.5

Manual Integrations
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#50

Toluene-d8

Concen: 49.746 ug/l

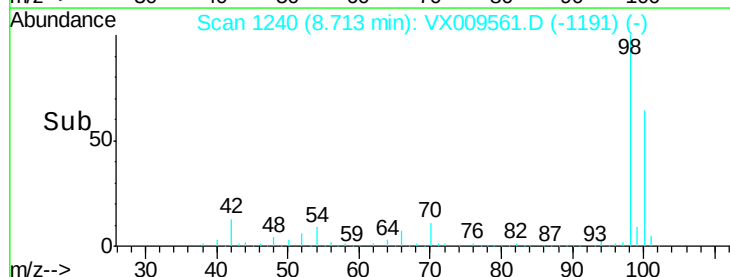
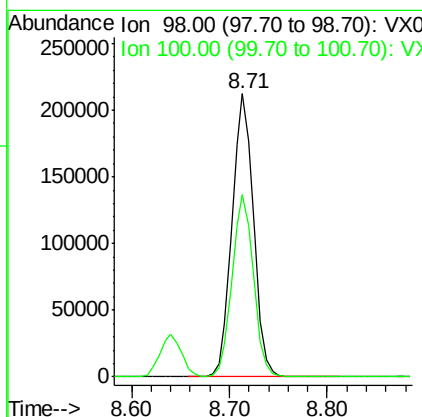
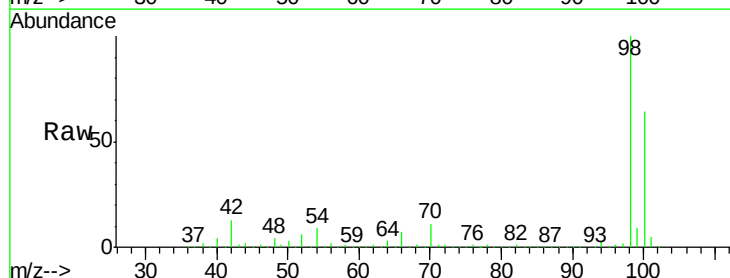
RT: 8.71 min Scan# 1240

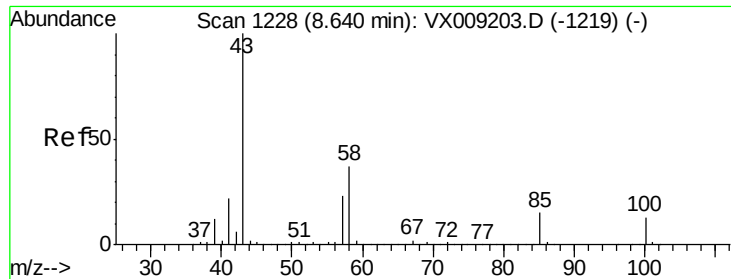
Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	98	Resp:	323165
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 112.268 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 43 Resp: 389012

Ion Ratio Lower Upper

43 100

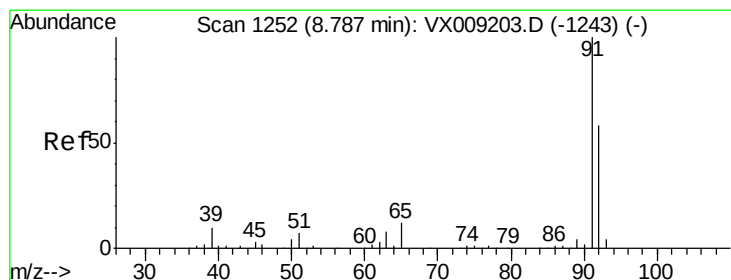
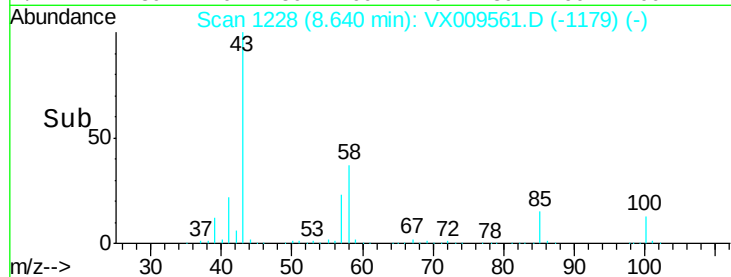
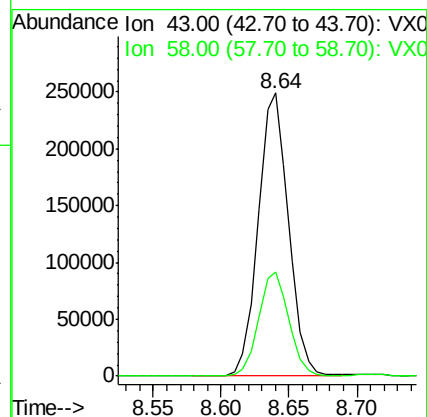
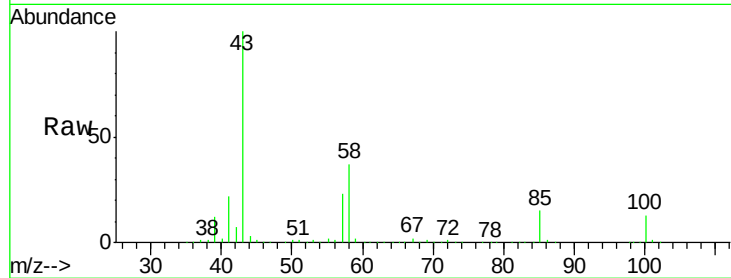
58 36.8 29.5 44.3

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#52

Toluene

Concen: 22.262 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009561.D

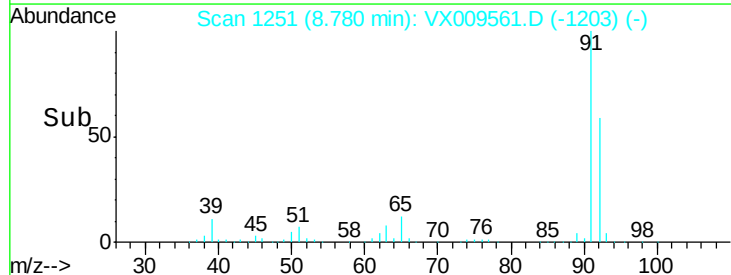
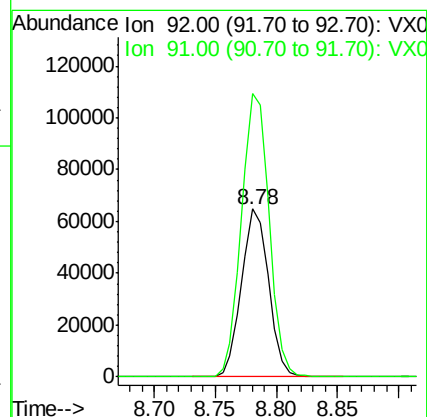
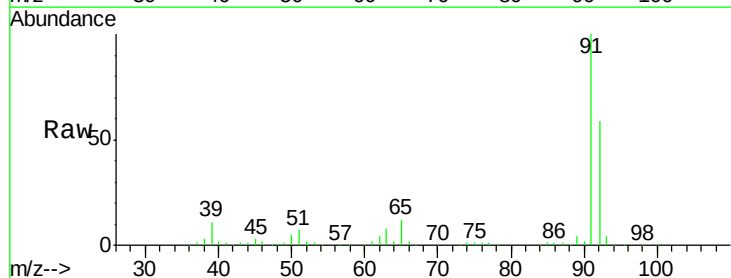
Acq: 14 May 2019 14:53

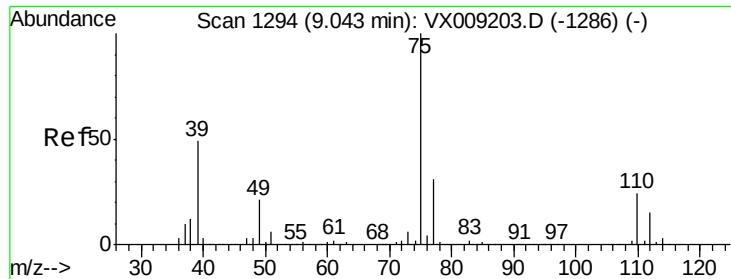
Tgt Ion: 92 Resp: 99620

Ion Ratio Lower Upper

92 100

91 172.4 138.8 208.2





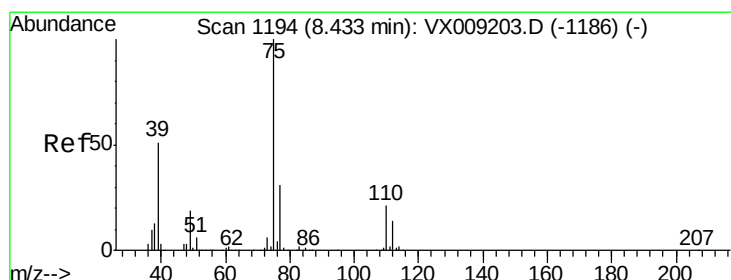
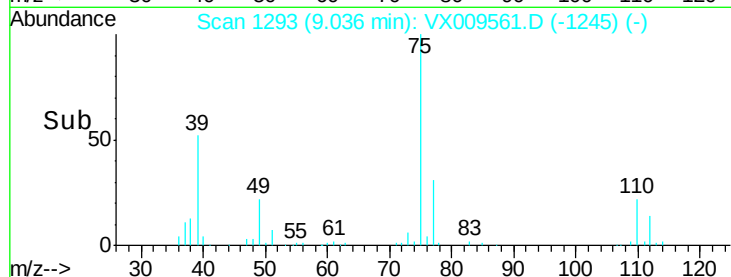
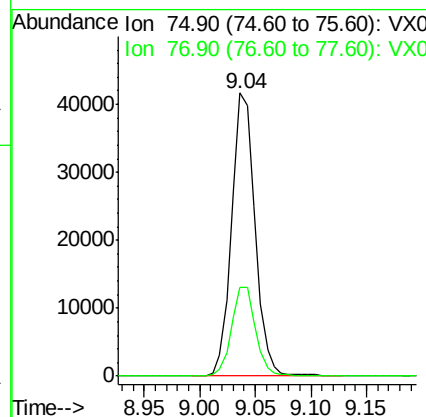
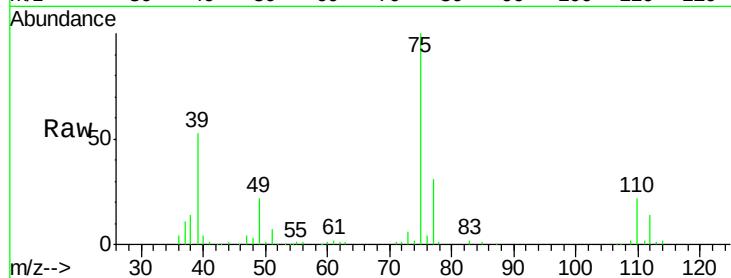
#53
t-1,3-Dichloropropene
Concen: 22.363 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion: 75 Resp: 60966
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

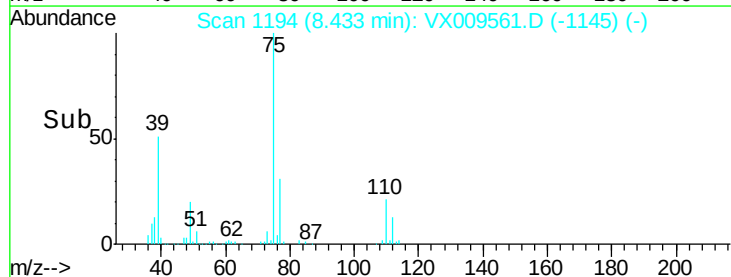
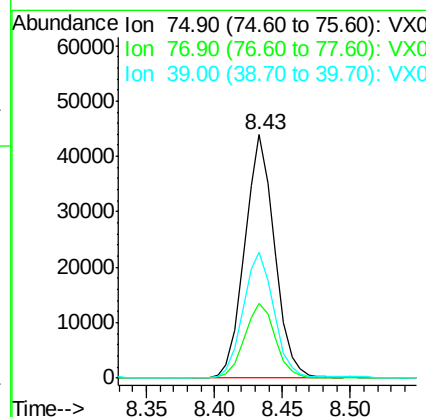
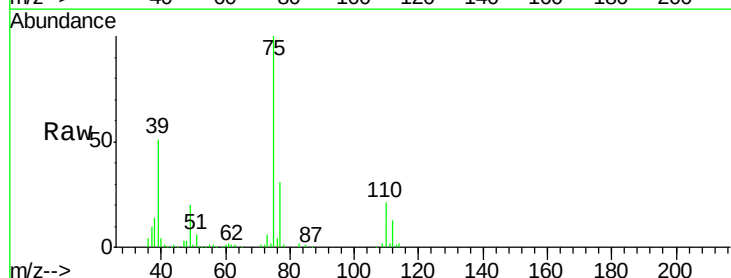
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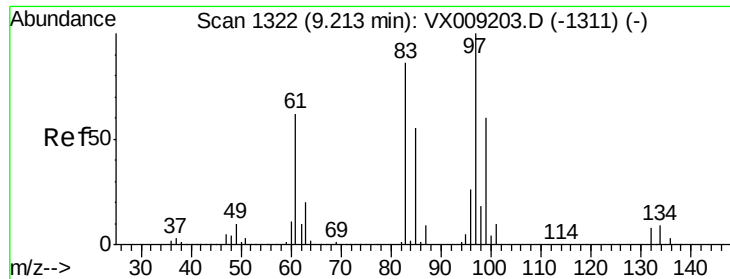
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#54
cis-1,3-Dichloropropene
Concen: 22.402 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion: 75 Resp: 67597
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8
39 51.5 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 22.116 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

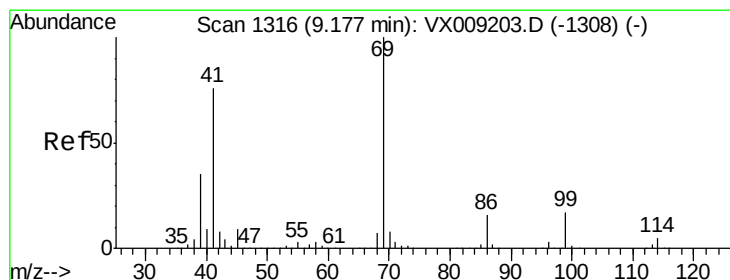
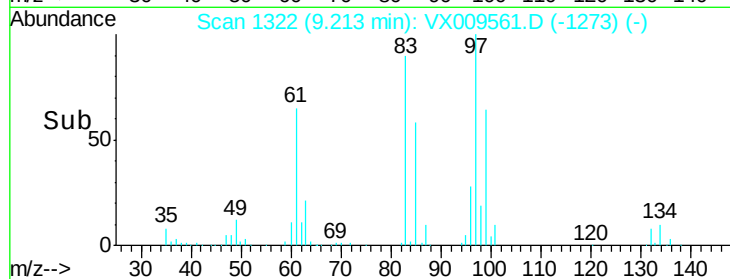
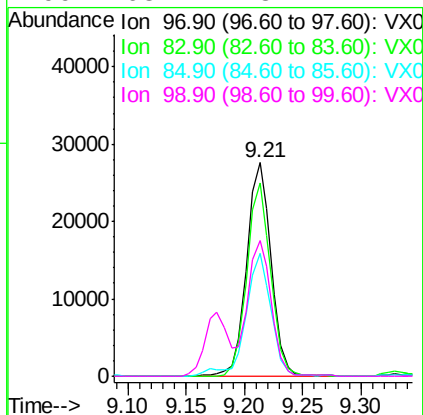
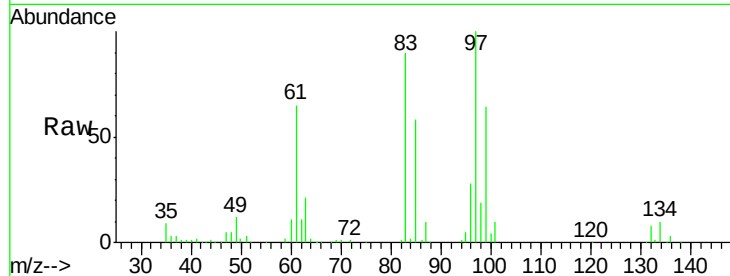
ClientSampleId :

VX0514MBS01

Tot Ion:	97	Resp:	40377
Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.9	103.3
85	57.6	43.8	65.6
99	63.4	48.2	72.2

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#56

Ethyl methacrylate

Concen: 22.340 ug/l

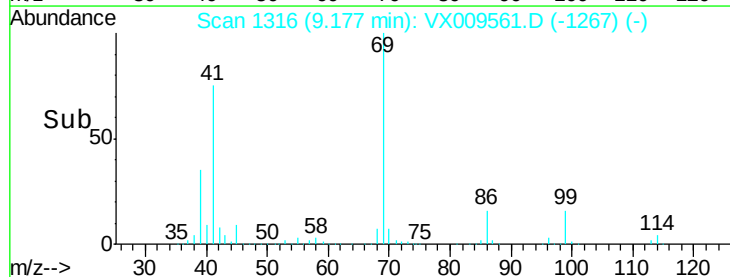
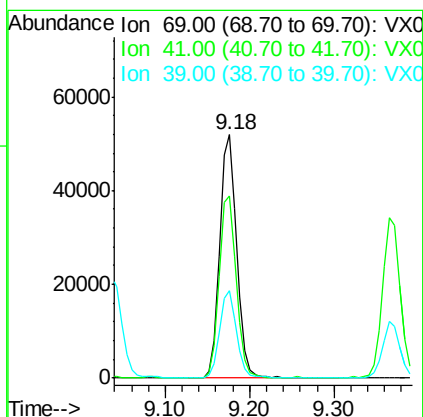
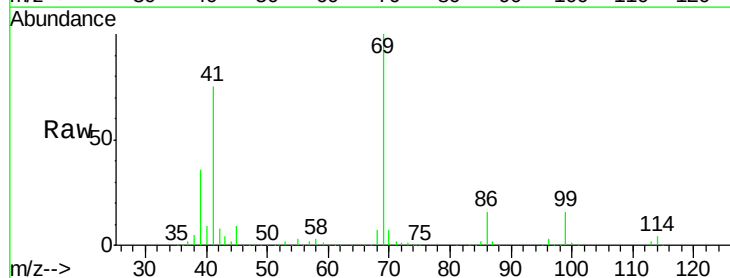
RT: 9.18 min Scan# 1316

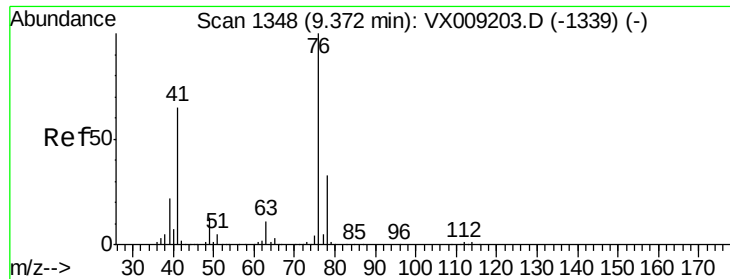
Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	69	Resp:	72803
Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.6	90.8
39	35.5	28.2	42.4





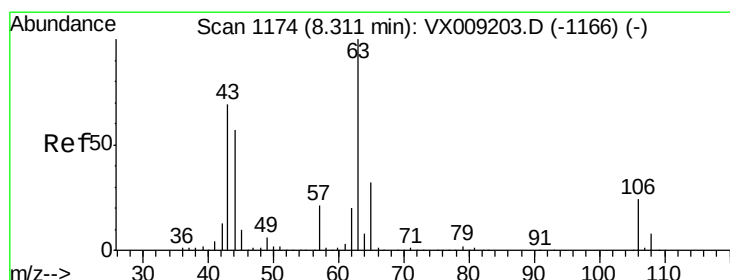
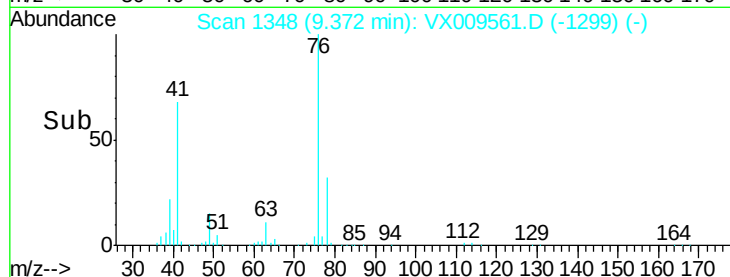
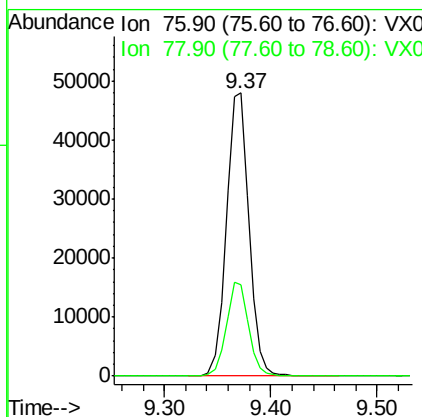
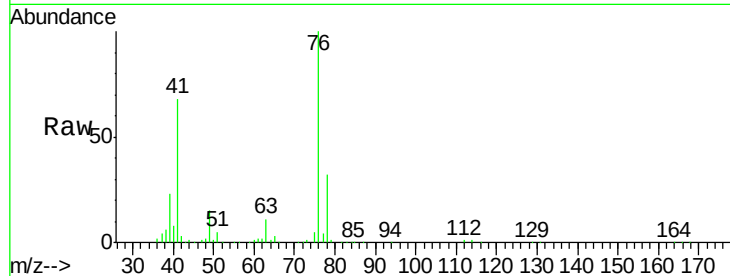
#57
 1,3-Dichloropropane
 Concen: 22.173 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

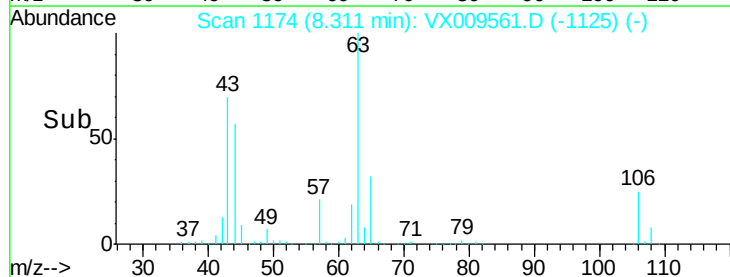
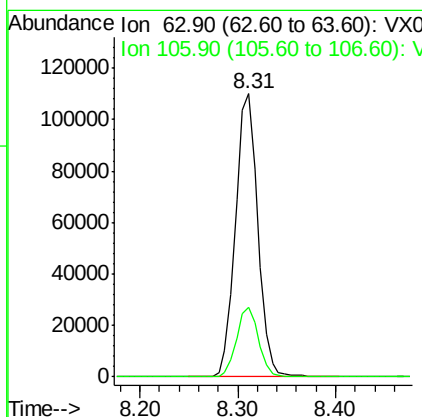
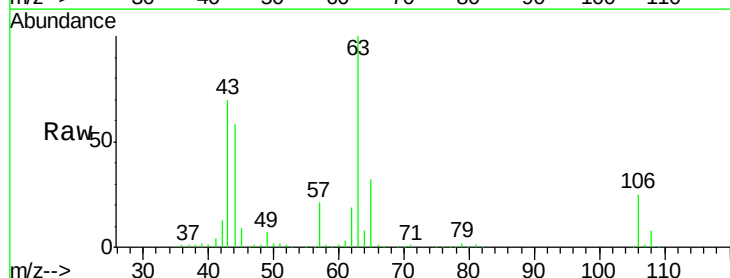
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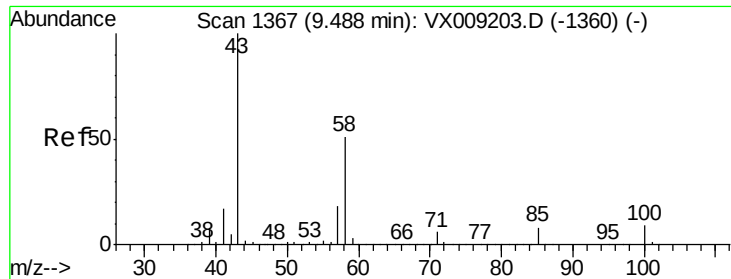
MMDadoda
 5/15/2019 12:25:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.044 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	19.7	29.5





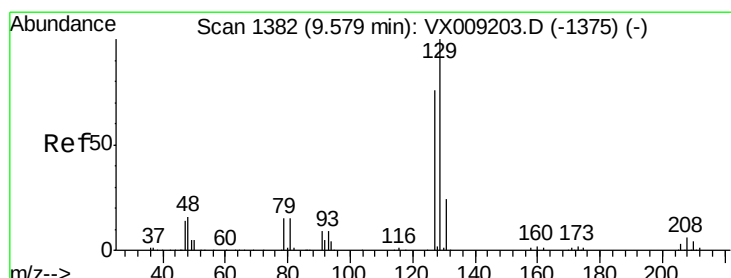
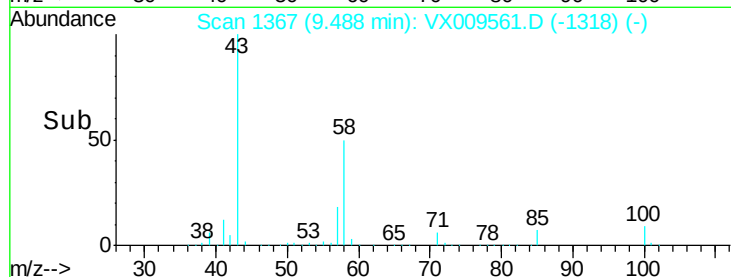
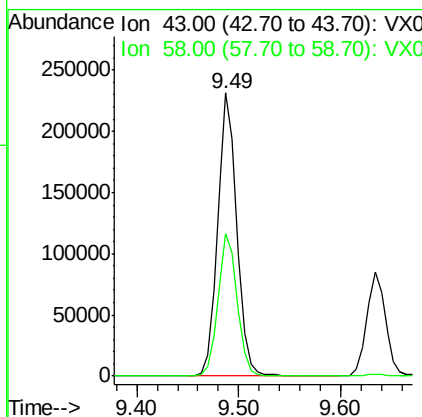
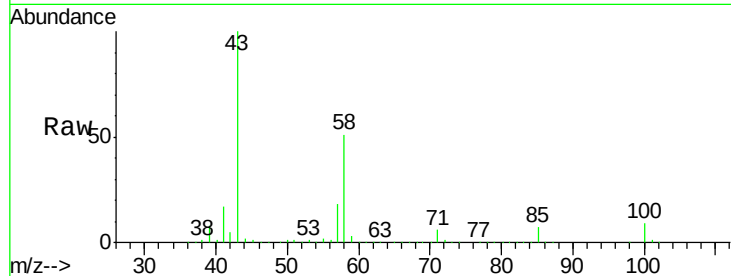
#59
2-Hexanone
Concen: 112.140 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion: 43 Resp: 305176
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.7

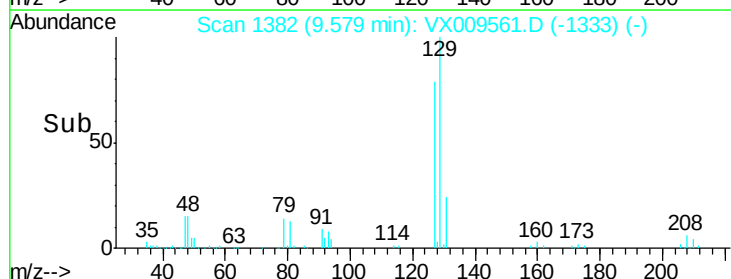
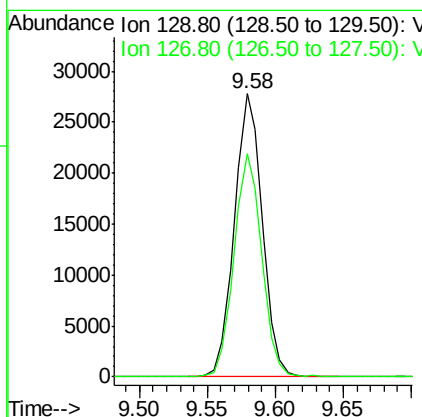
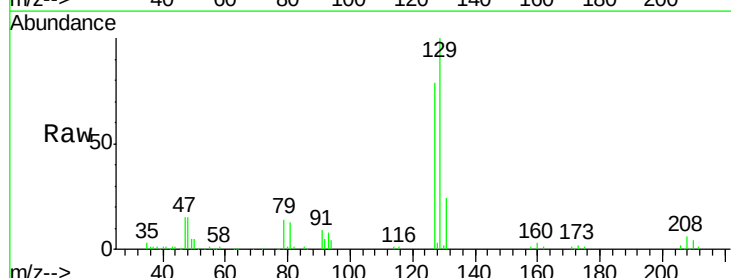
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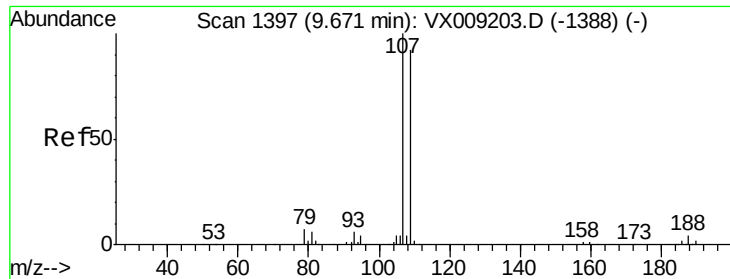
MMDadoda
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#60
Dibromochloromethane
Concen: 22.272 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion: 129 Resp: 39713
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 22.479 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion:107 Resp: 41426

Ion Ratio Lower Upper

107 100

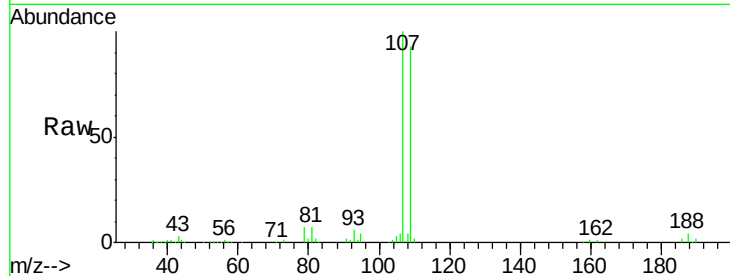
109 92.8 75.2 112.8

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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

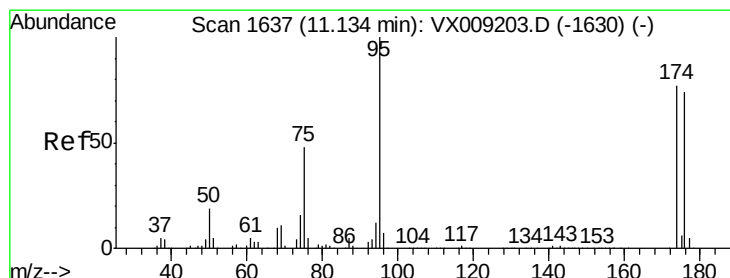
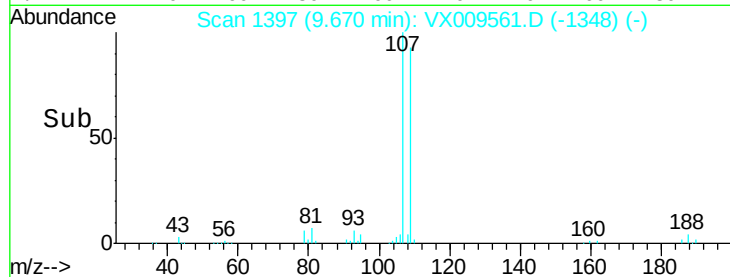
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.164 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

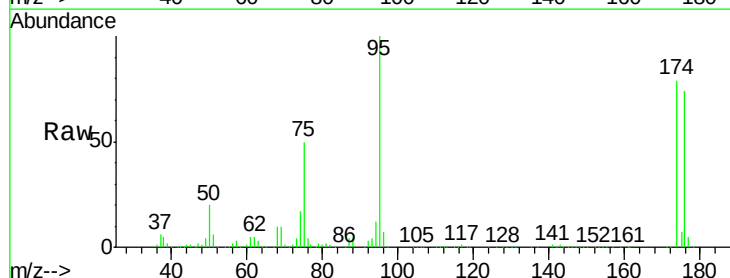
Tgt Ion: 95 Resp: 116051

Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.6

176 80.0 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

11.13

120000

100000

80000

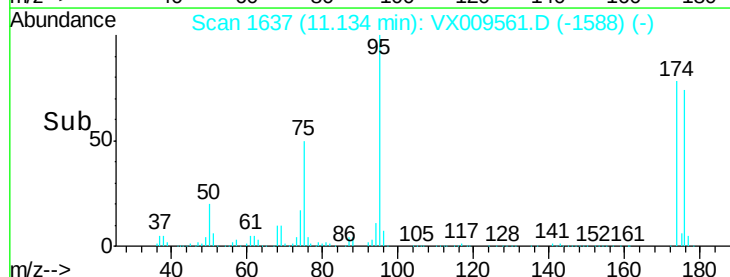
60000

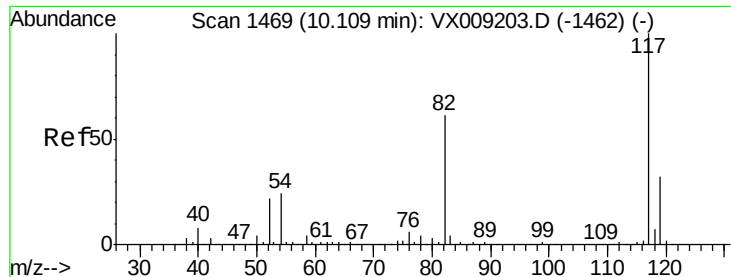
40000

20000

0

Time-->





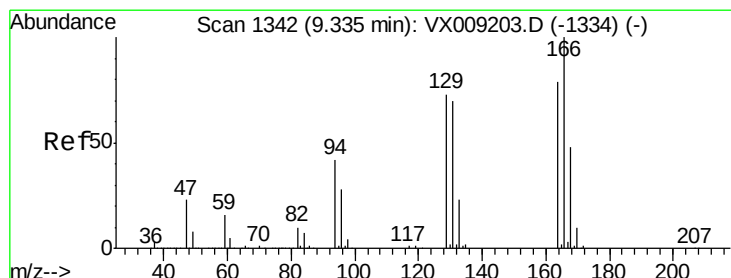
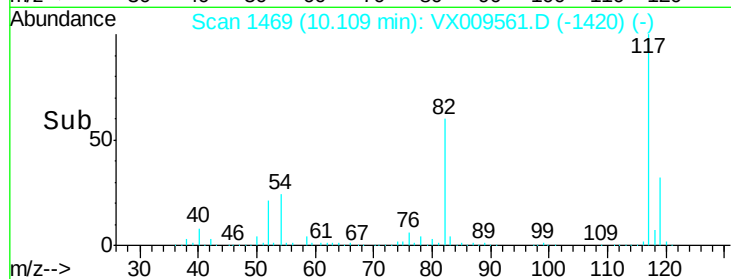
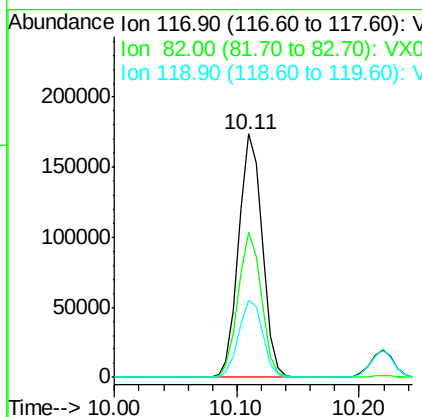
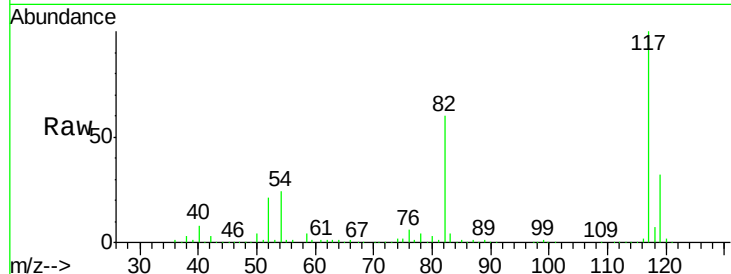
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	48.8	73.2
119	31.9	25.8	38.6

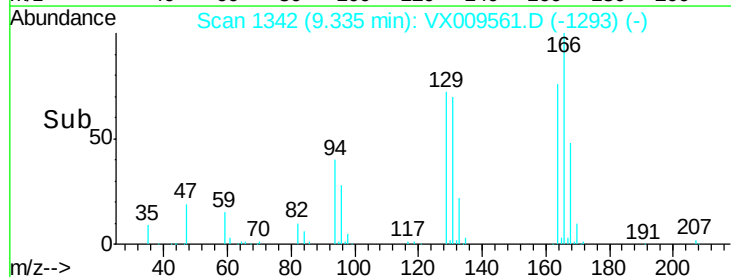
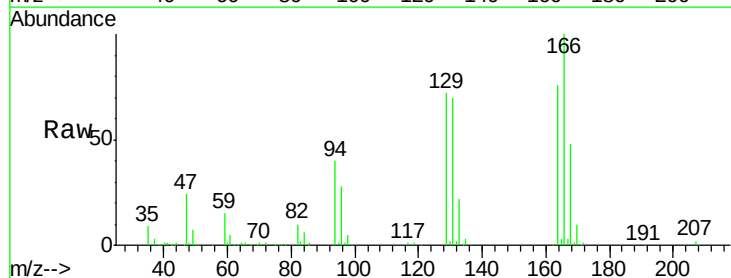
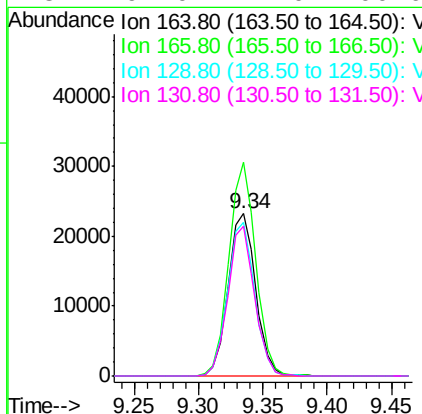
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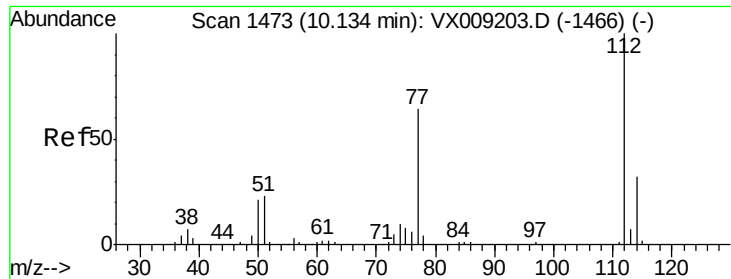
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#64
Tetrachloroethene
Concen: 21.978 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	101.2	151.8
129	94.5	74.3	111.5
131	92.0	71.0	106.6





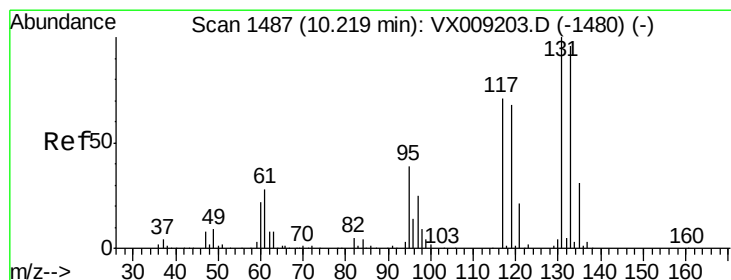
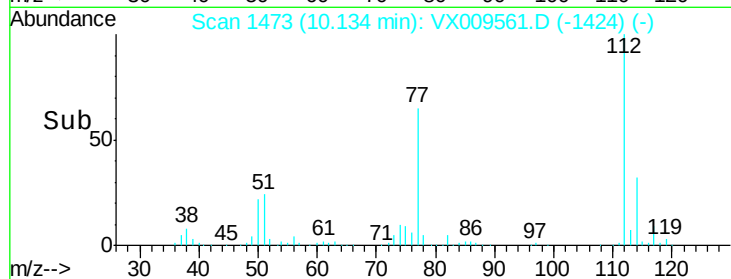
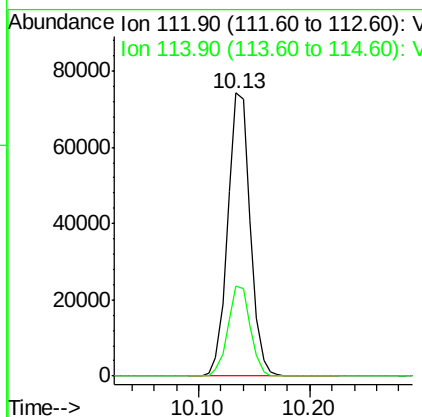
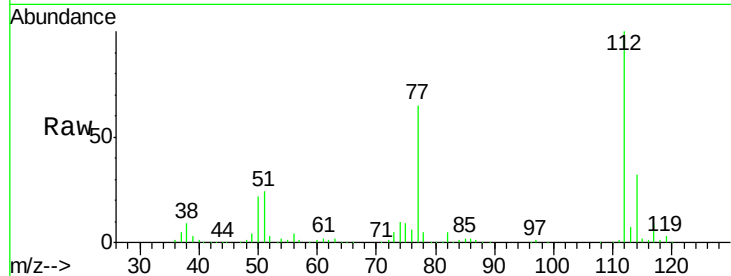
#65
Chlorobenzene
Concen: 22.287 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion:112 Resp: 103186
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

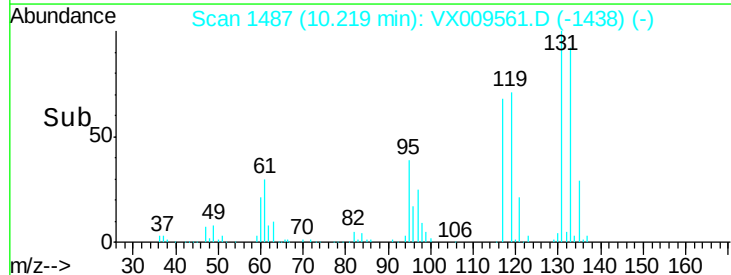
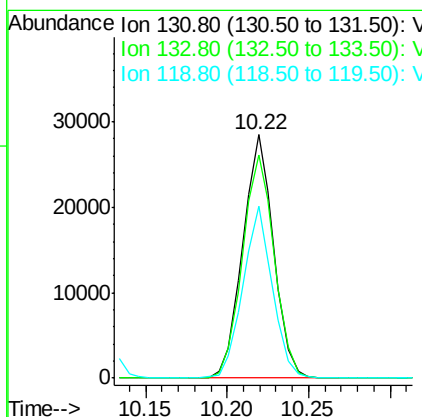
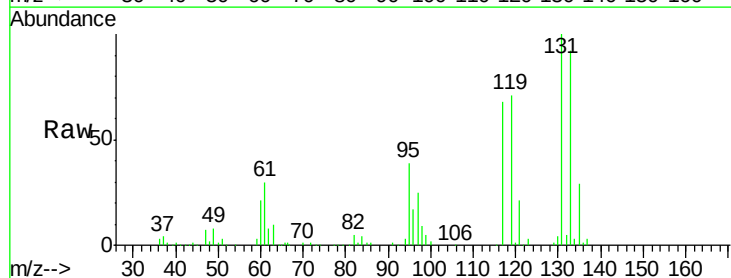
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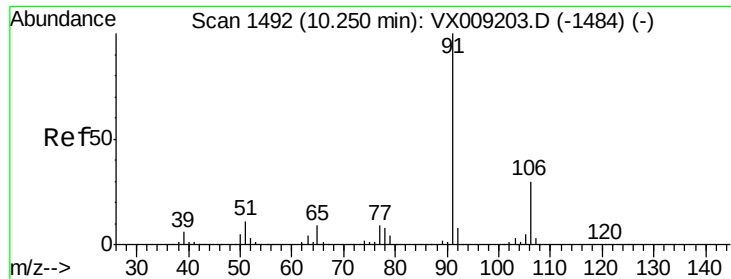
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.319 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion:131 Resp: 37463
Ion Ratio Lower Upper
131 100
133 94.6 47.7 143.1
119 67.7 33.5 100.4





#67

Ethyl Benzene

Concen: 22.621 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 91 Resp: 192742

Ion Ratio Lower Upper

91 100

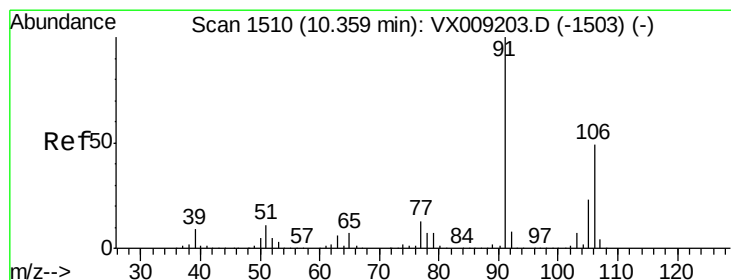
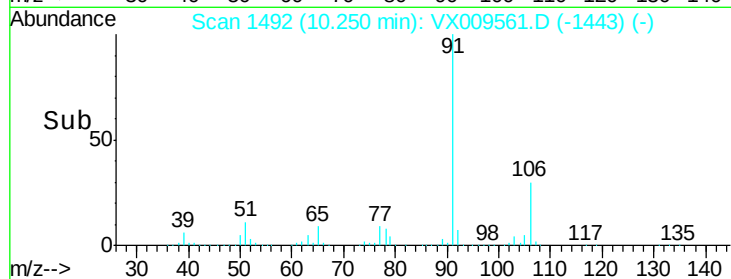
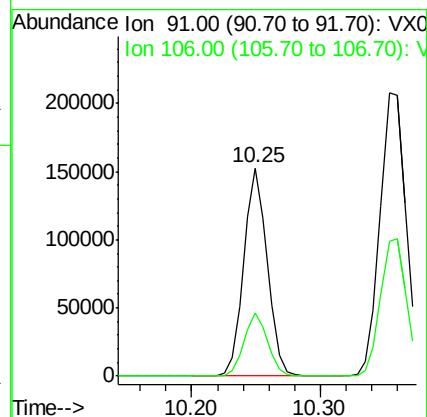
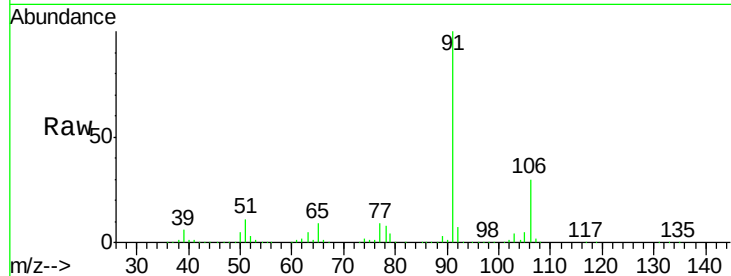
106 30.4 24.0 36.0

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#68

m/p-Xylenes

Concen: 45.350 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009561.D

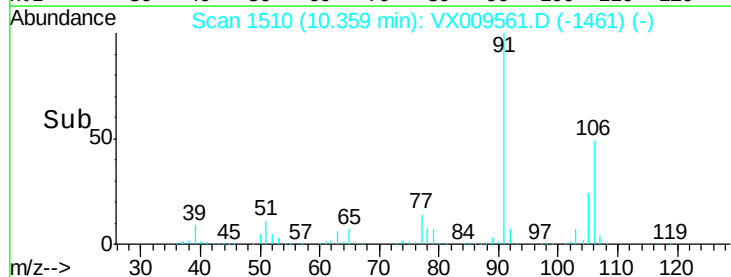
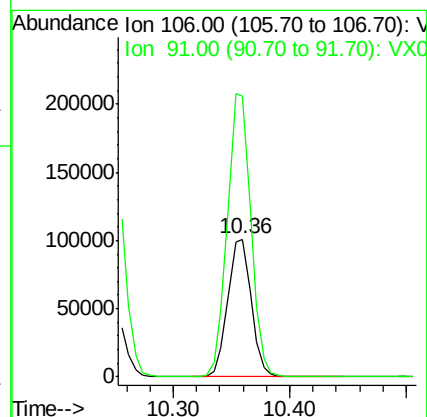
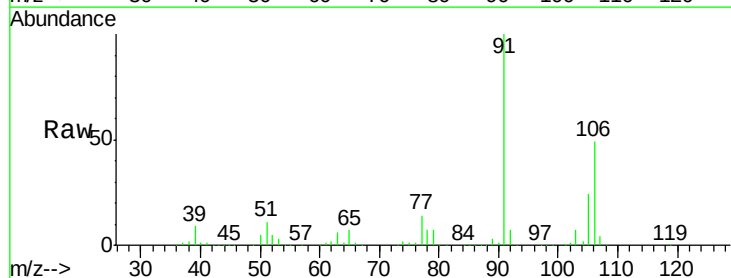
Acq: 14 May 2019 14:53

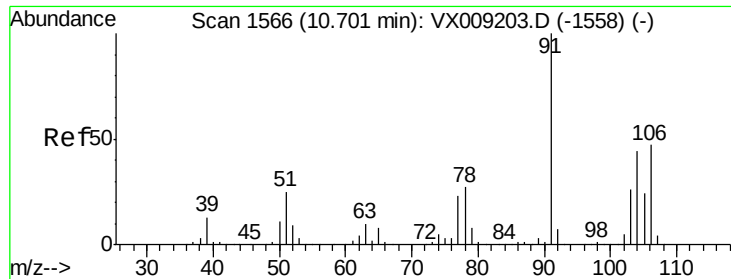
Tgt Ion: 106 Resp: 141206

Ion Ratio Lower Upper

106 100

91 206.0 164.0 246.0





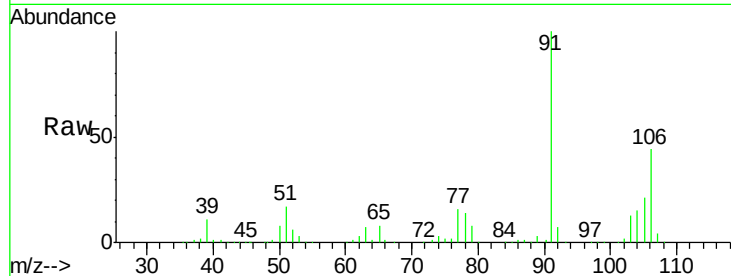
#69
o-Xylene
Concen: 22.181 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

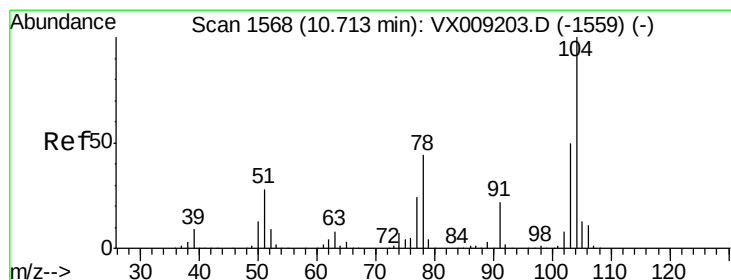
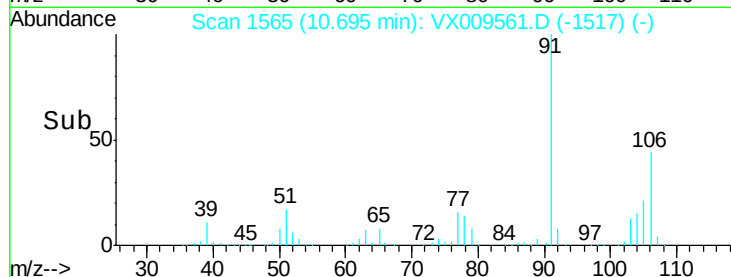
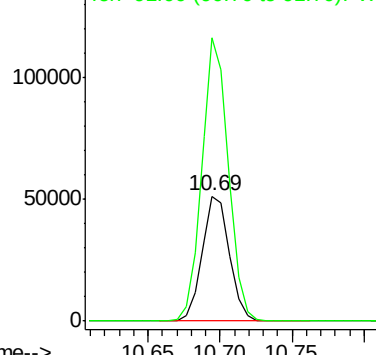
Tot Ion:106 Resp: 68142
Ion Ratio Lower Upper
106 100
91 219.6 109.5 328.4

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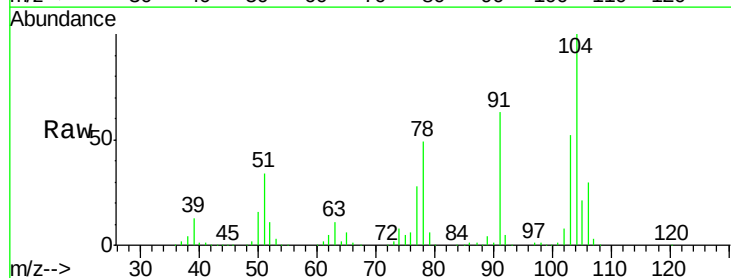


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

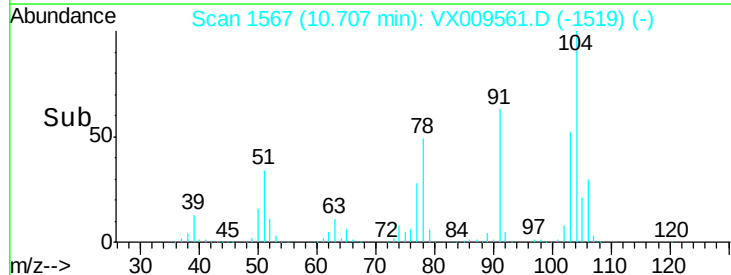
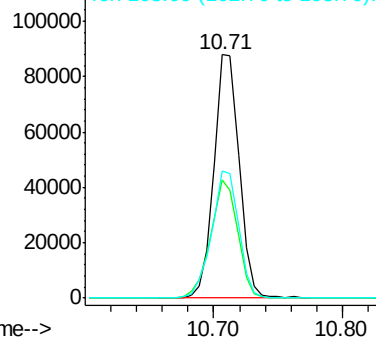


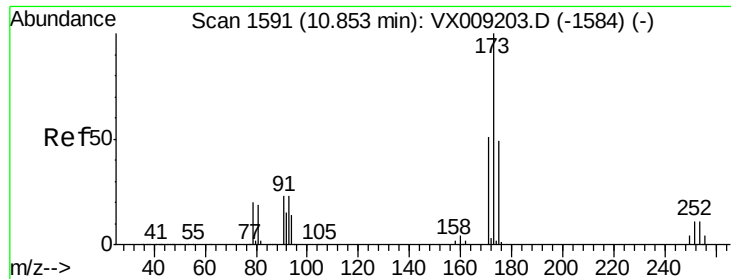
#70
Styrene
Concen: 22.254 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion:104 Resp: 118825
Ion Ratio Lower Upper
104 100
78 52.3 41.0 61.4
103 56.0 43.8 65.6



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





#71

Bromoform

Concen: 21.722 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion:173 Resp: 29630

Ion Ratio Lower Upper

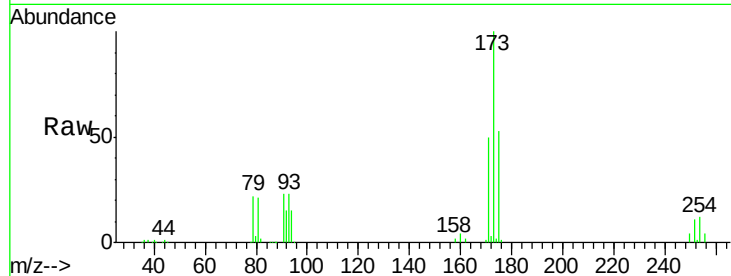
173 100

175 49.6 24.5 73.5

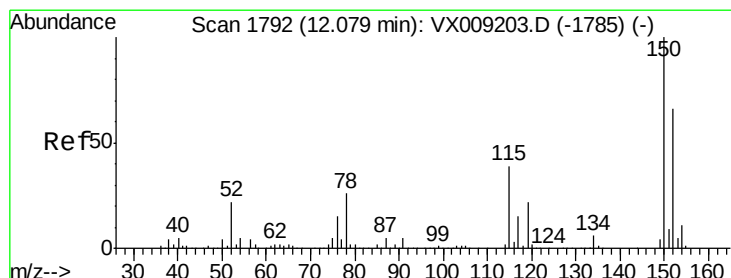
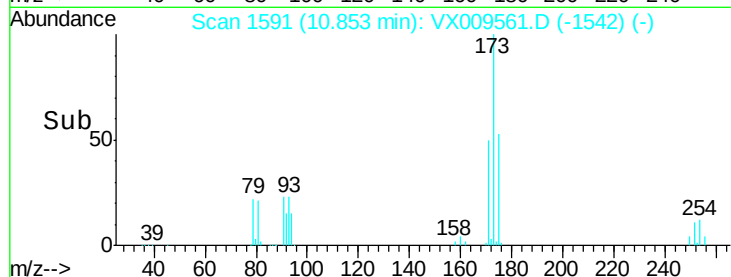
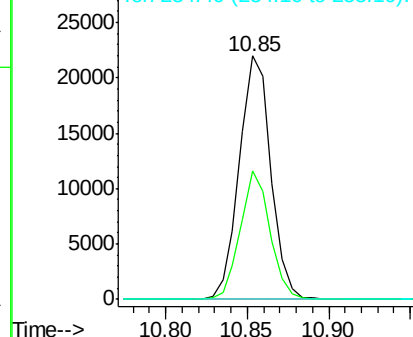
254 0.0 0.1 0.1#

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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: VX009561.D

Acq: 14 May 2019 14:53

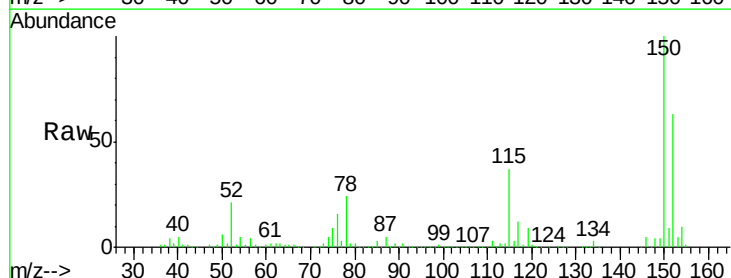
Tgt Ion:152 Resp: 114325

Ion Ratio Lower Upper

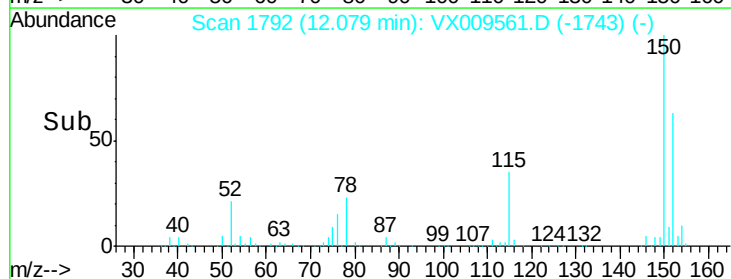
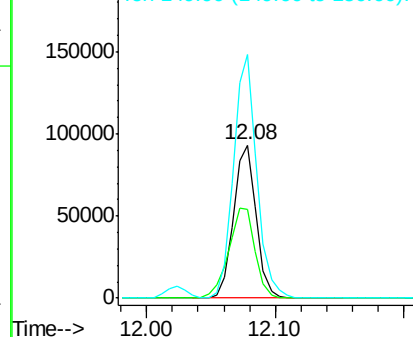
152 100

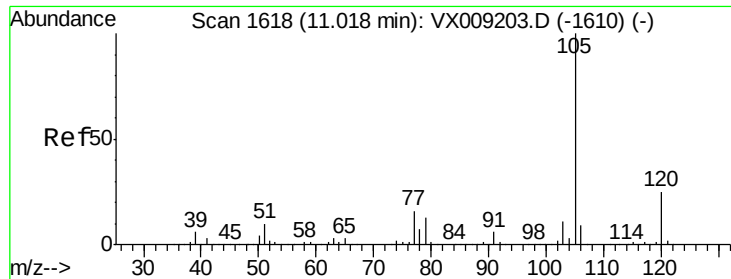
115 68.7 41.2 123.6

150 164.0 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: 22.298 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 105 Resp: 185373

Ion Ratio Lower Upper

105 100

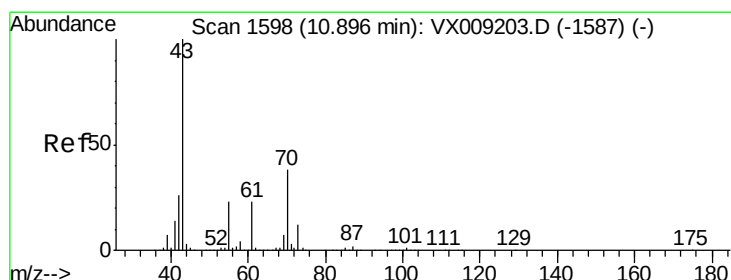
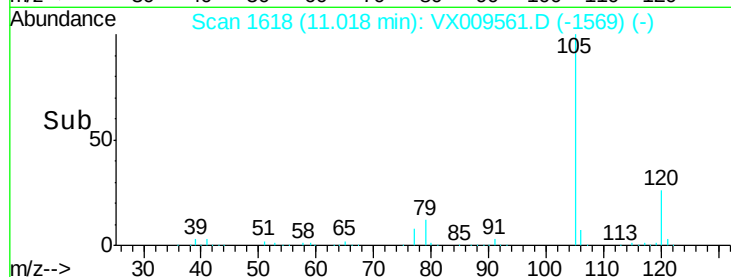
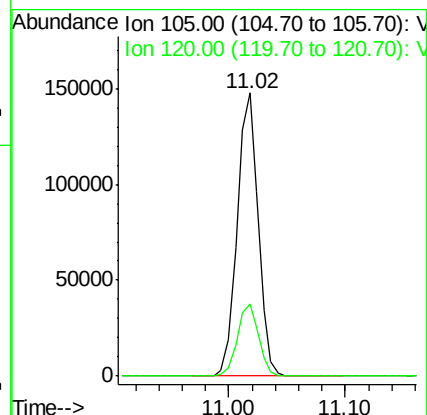
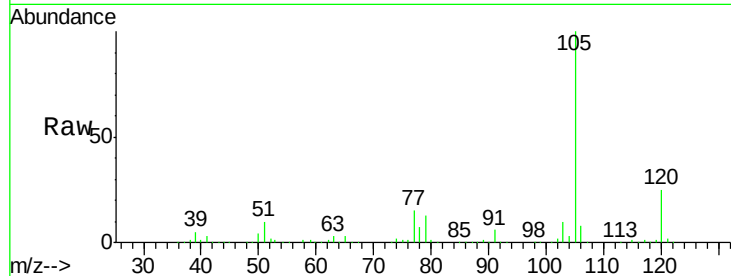
120 25.8 12.8 38.3

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#74

N-ethyl acetate

Concen: 22.046 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion: 43 Resp: 106853

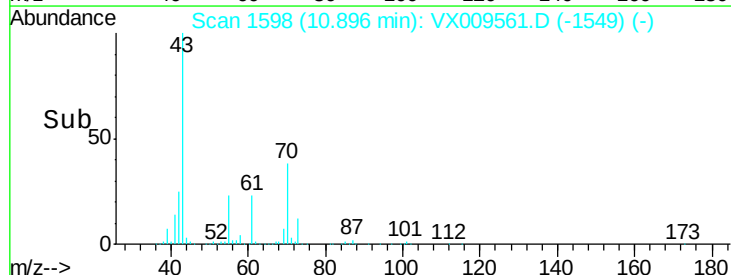
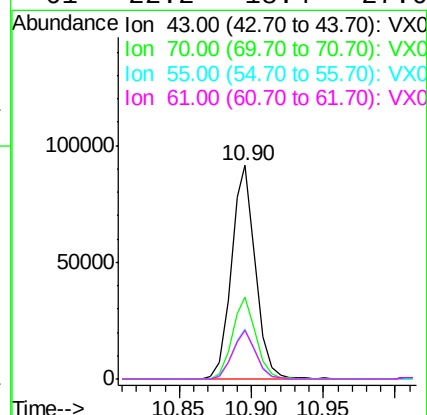
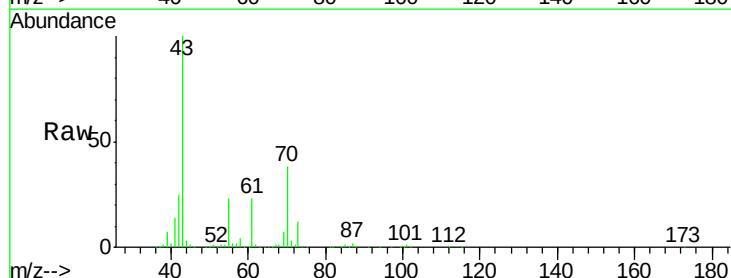
Ion Ratio Lower Upper

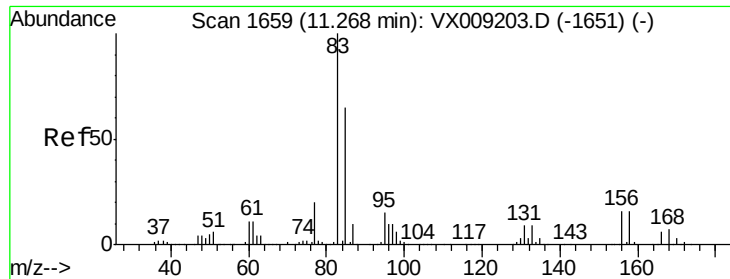
43 100

70 37.9 30.0 45.0

55 23.0 17.9 26.9

61 22.2 18.4 27.6





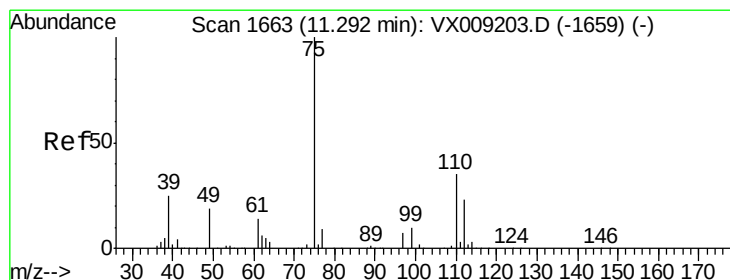
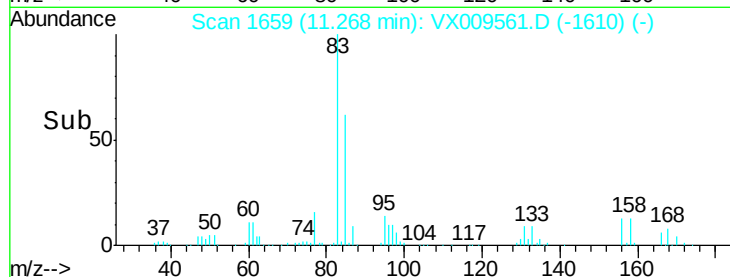
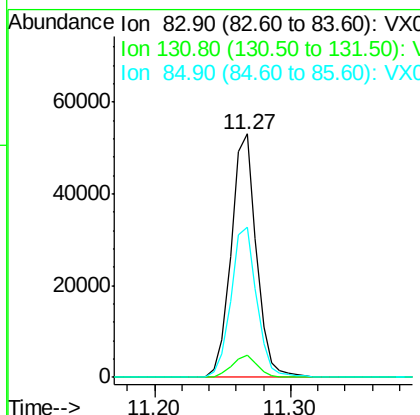
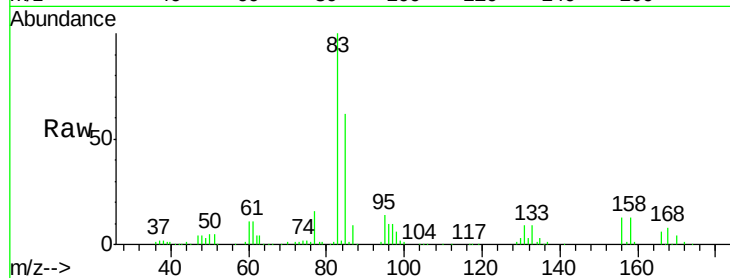
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.025 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.2	4.6	13.8	
85	63.5	32.0	96.2	

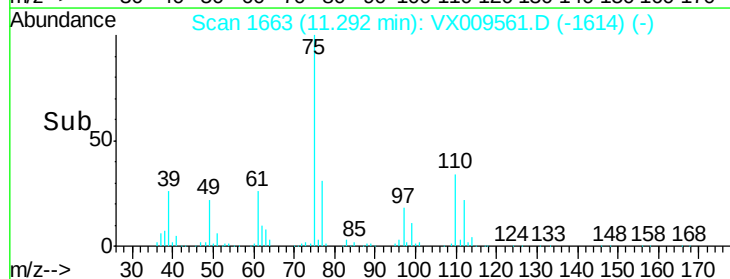
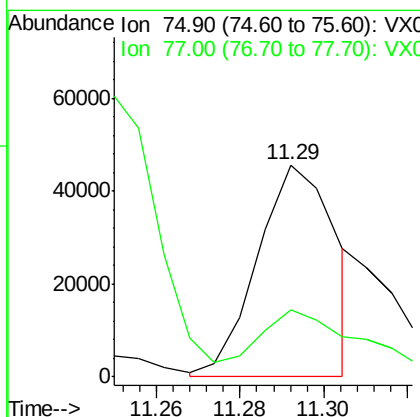
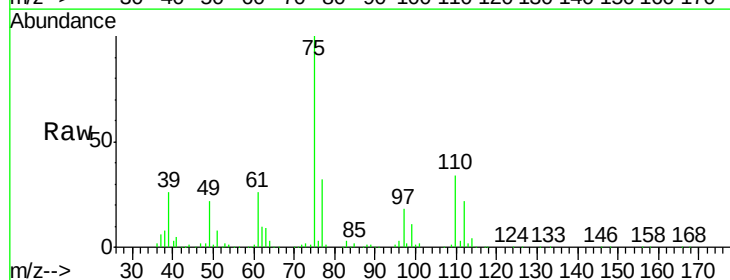
Manual Integrations
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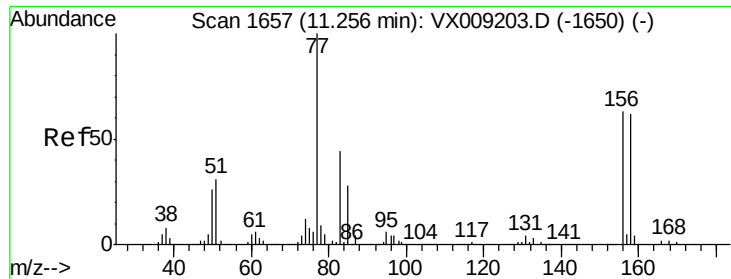
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#76
 1,2,3-Trichloropropane
 Concen: 22.286 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	42.1	22.1	66.1	





#77

Bromobenzene

Concen: 21.870 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

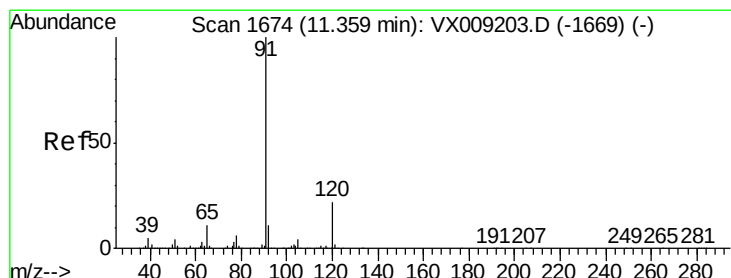
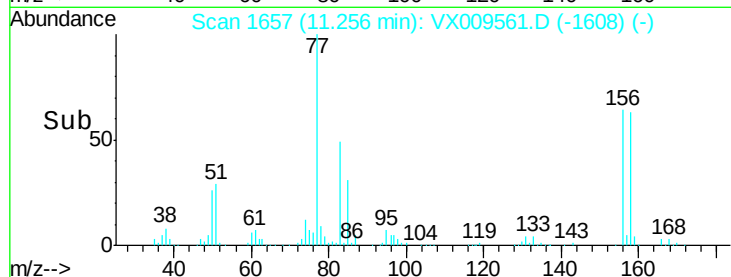
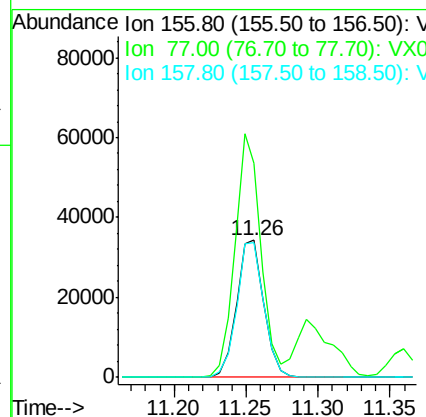
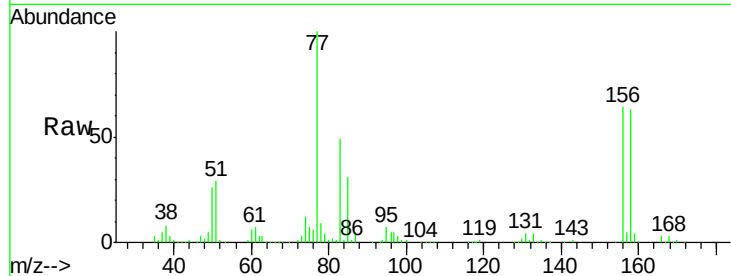
ClientSampleId :

VX0514MBS01

Tot Ion:	156	Resp:	45129
Ion	Ratio	Lower	Upper
156	100		
77	170.2	84.8	254.3
158	98.2	49.1	147.3

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#78

n-propylbenzene

Concen: 22.369 ug/l

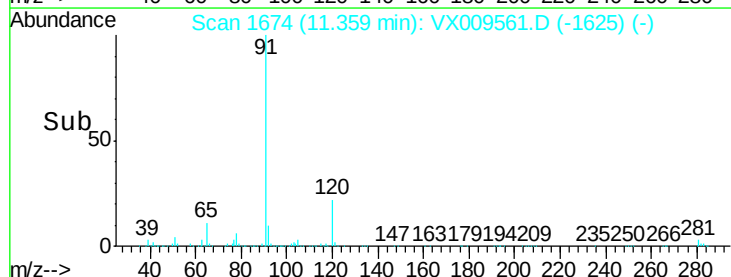
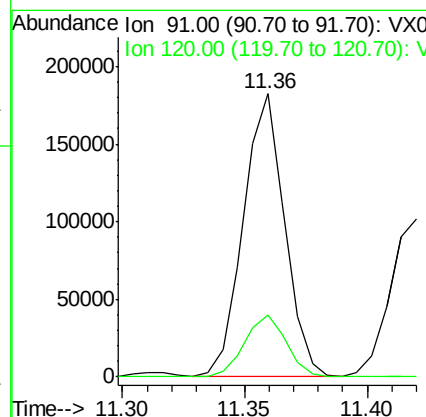
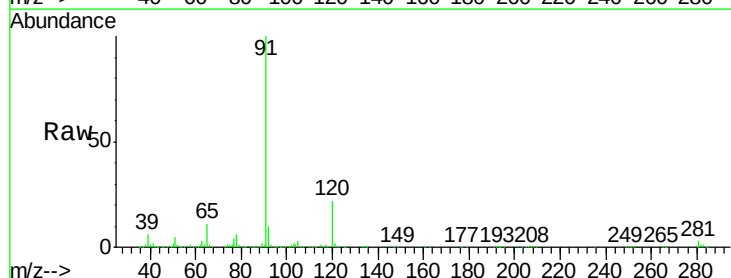
RT: 11.36 min Scan# 1674

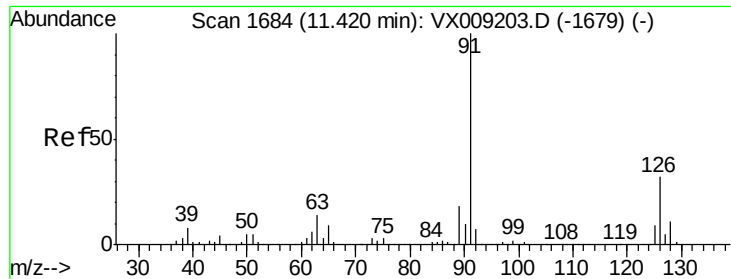
Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Tgt Ion:	91	Resp:	212387
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.502 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion: 91 Resp: 125949

Ion Ratio Lower Upper

91 100

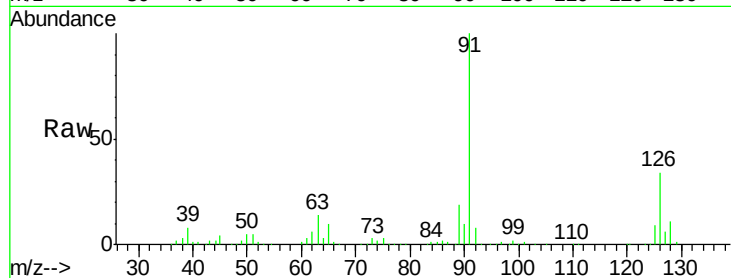
126 33.0 16.3 48.9

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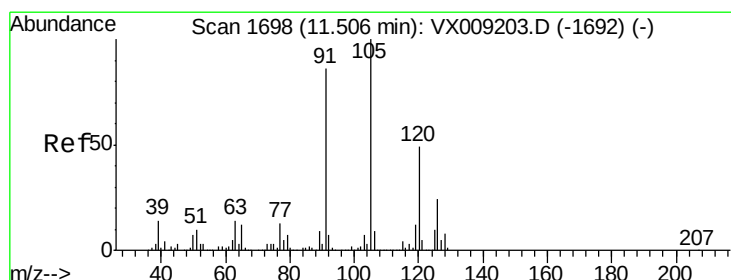
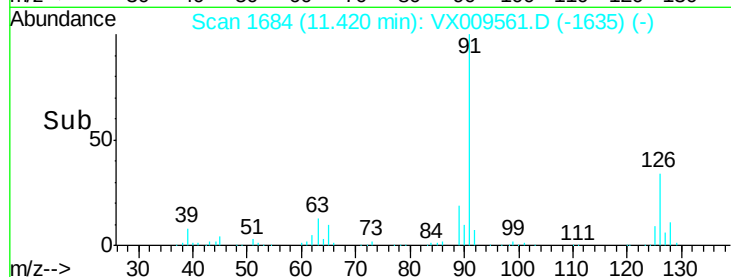
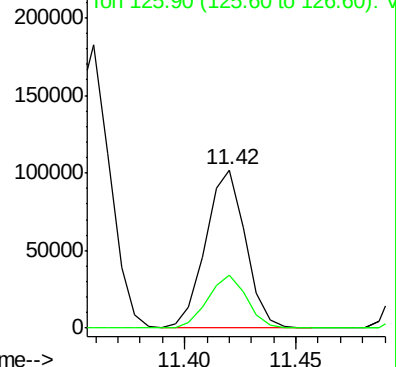
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Abundance Ion 91.00 (90.70 to 91.70): VX009561.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.245 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009561.D

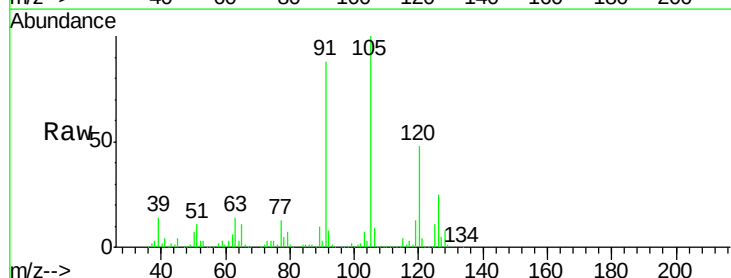
Acq: 14 May 2019 14:53

Tgt Ion:105 Resp: 155717

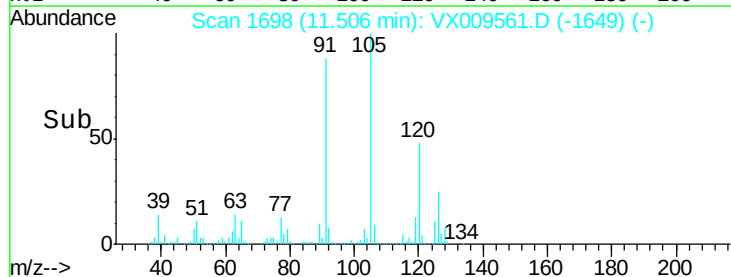
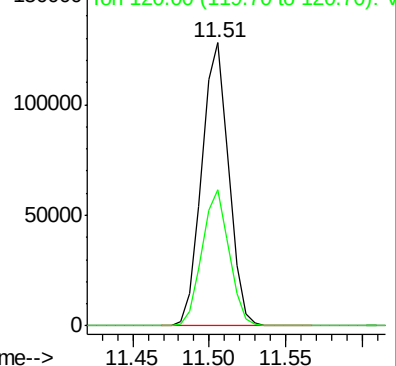
Ion Ratio Lower Upper

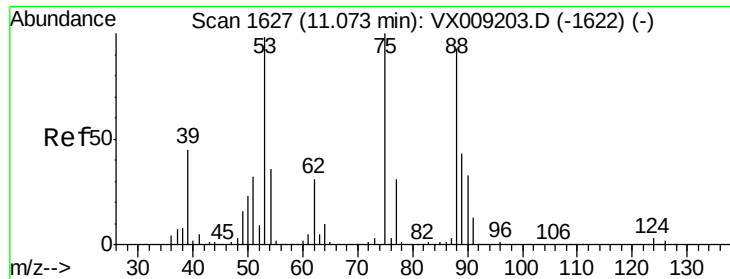
105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009561.D (-1649) (-)





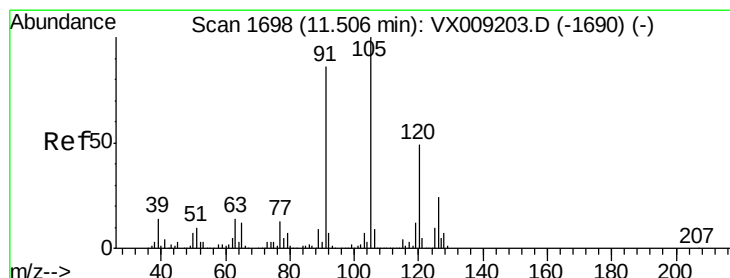
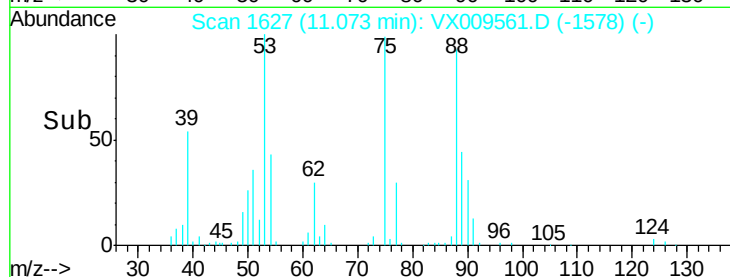
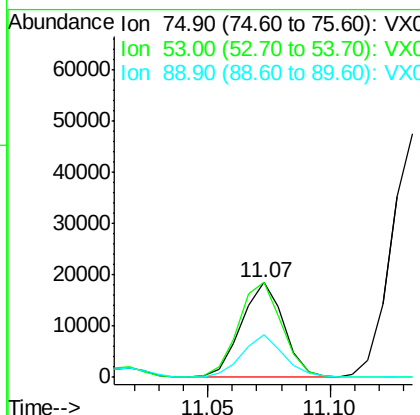
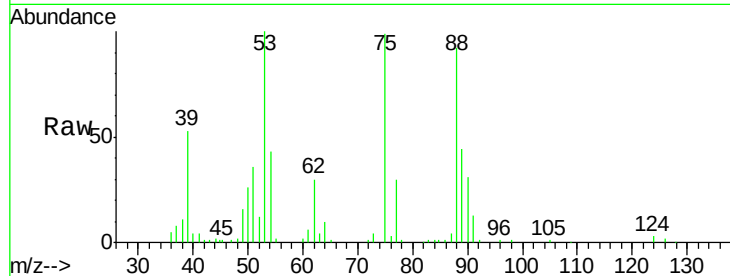
#81
trans-1,4-Dichloro-2-butene
Concen: 21.587 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion: 75 Resp: 22374
Ion Ratio Lower Upper
75 100
53 104.0 79.0 118.6
89 44.2 34.7 52.1

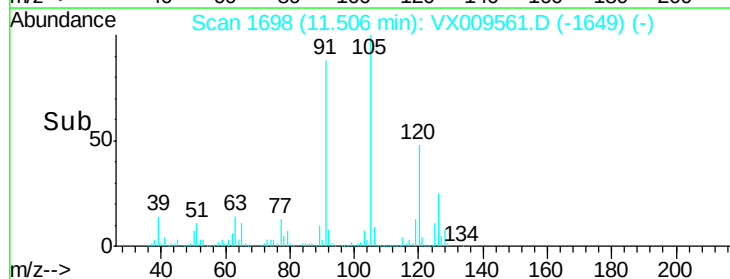
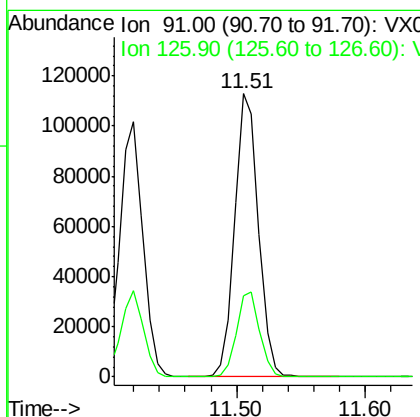
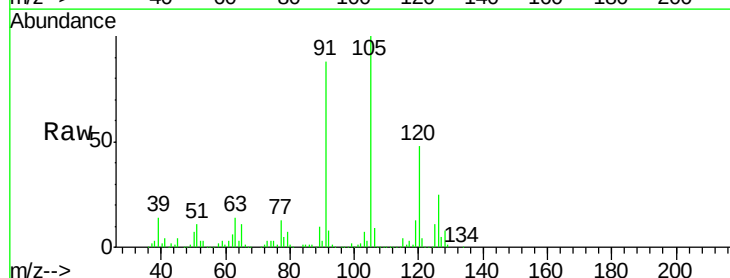
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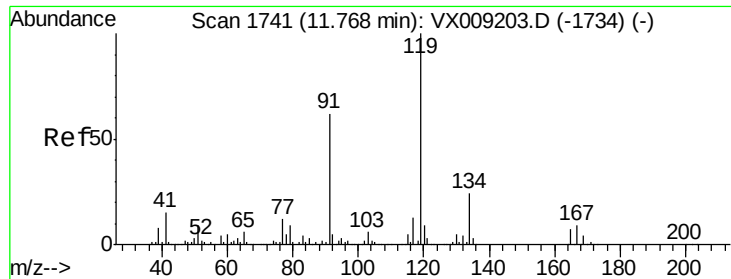
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#82
4-Chlorotoluene
Concen: 21.813 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion: 91 Resp: 144347
Ion Ratio Lower Upper
91 100
126 29.3 14.5 43.6





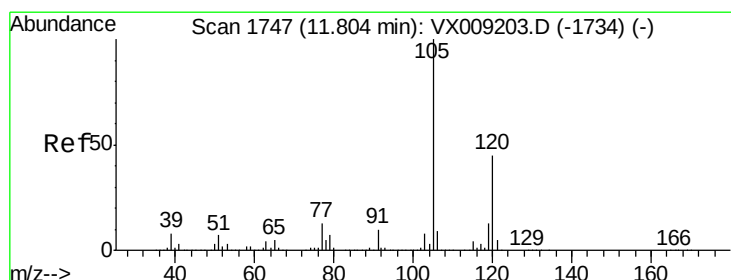
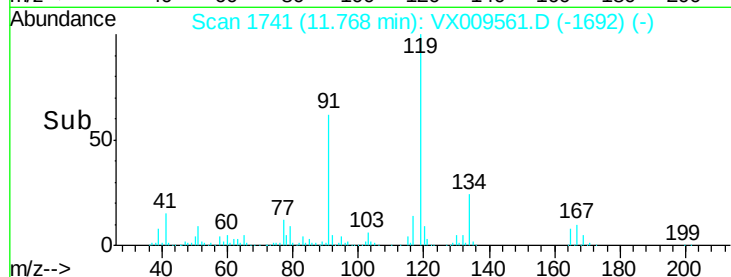
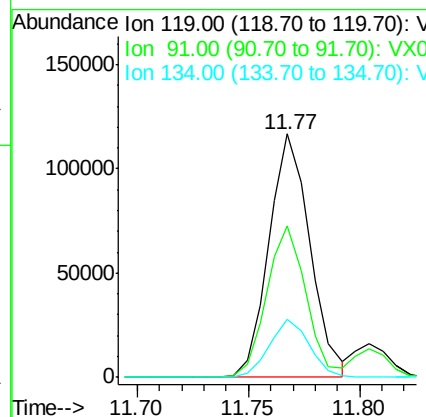
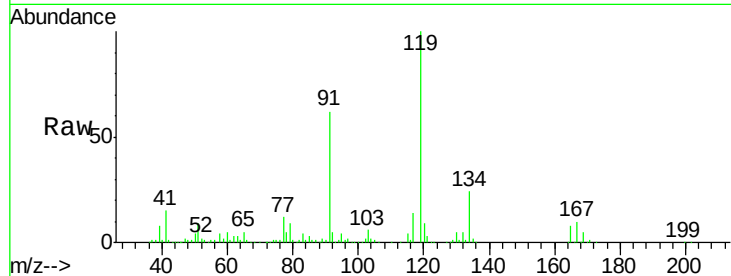
#83
 tert-Butylbenzene
 Concen: 22.006 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	149853		
91	59.7	29.5	88.5	
134	23.3	11.4	34.1	

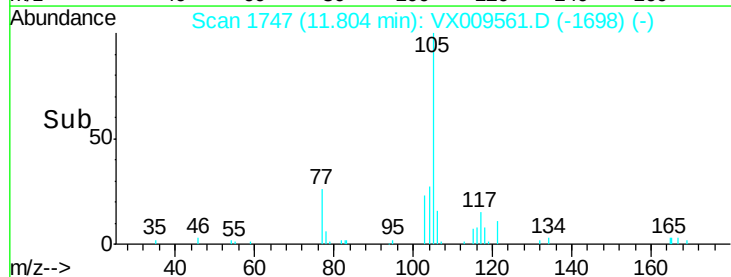
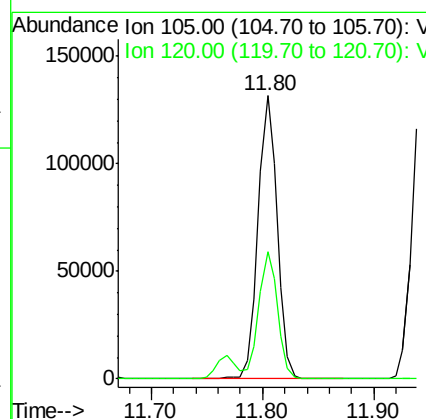
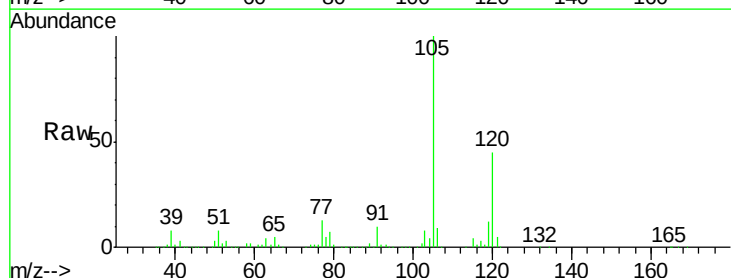
Manual Integrations
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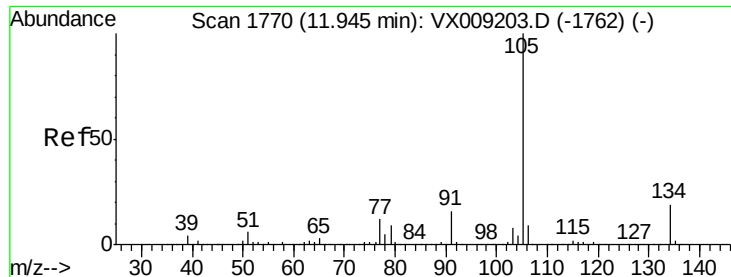
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.533 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	158321		
120	44.4	22.0	66.0	





#85

sec-Butylbenzene

Concen: 22.012 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

Instrument :

MSVOA_X

ClientSampleId :

VX0514MBS01

Tot Ion:105 Resp: 177712

Ion Ratio Lower Upper

105 100

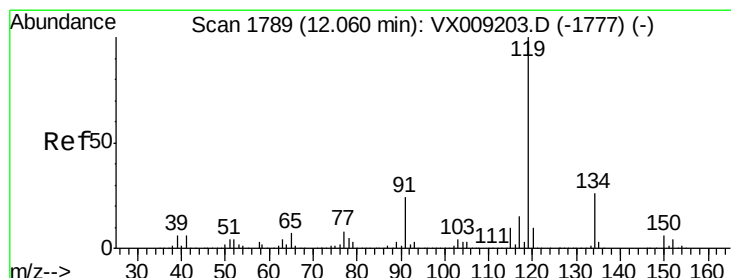
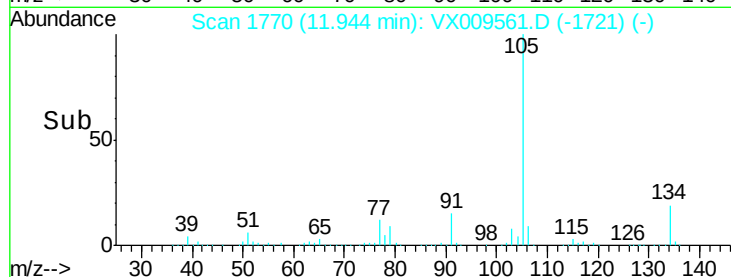
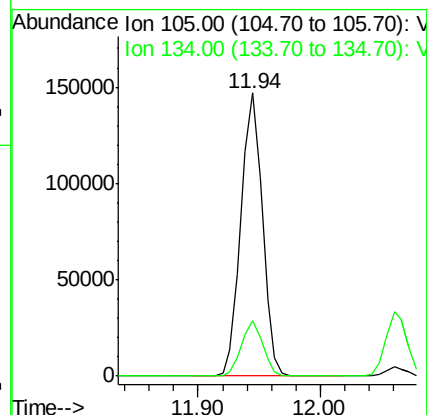
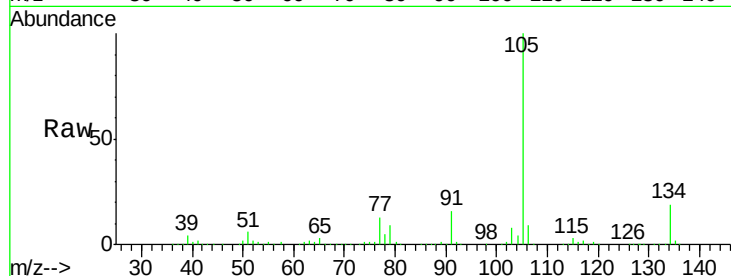
134 19.4 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.568 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009561.D

Acq: 14 May 2019 14:53

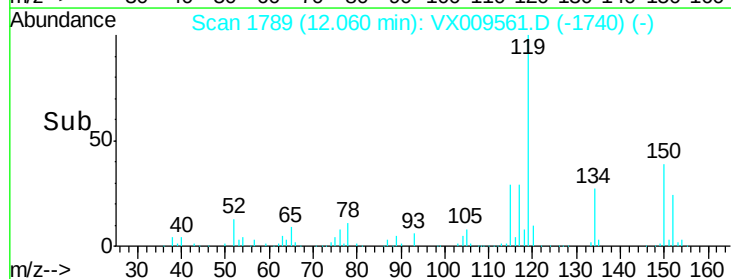
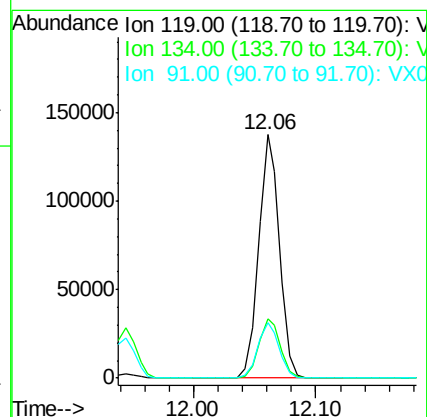
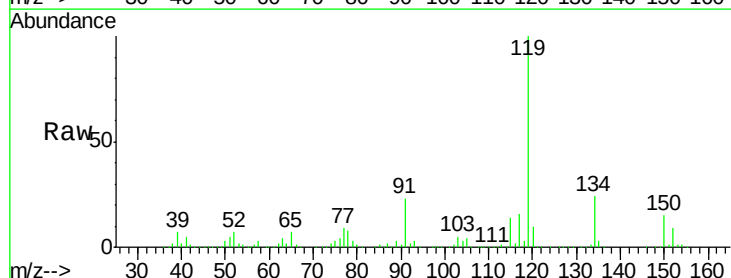
Tgt Ion:119 Resp: 163797

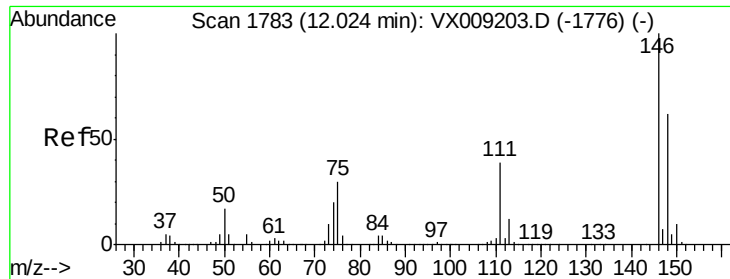
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 23.3 11.8 35.4





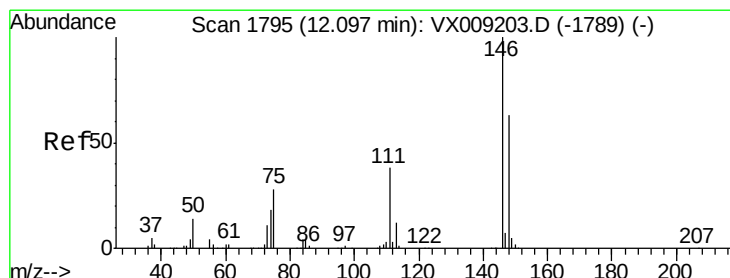
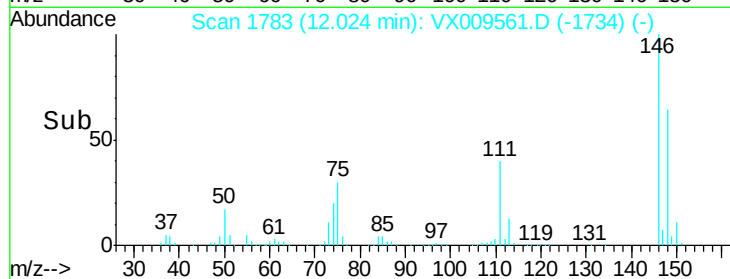
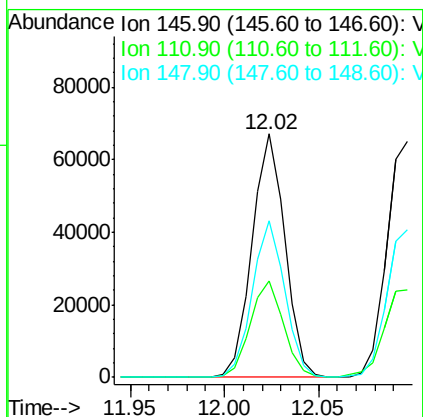
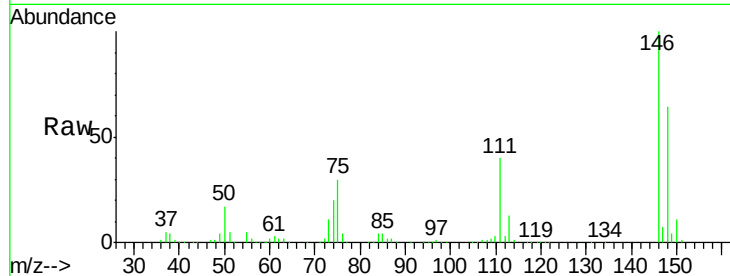
#87
 1,3-Dichlorobenzene
 Concen: 22.105 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.5	31.8	95.3

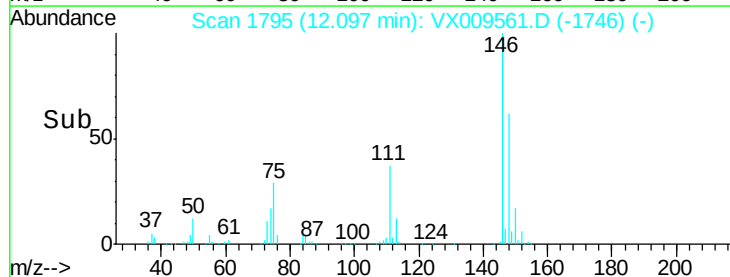
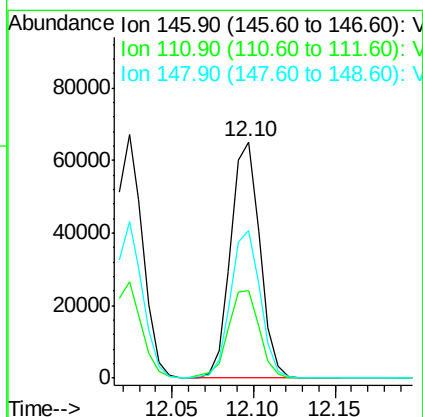
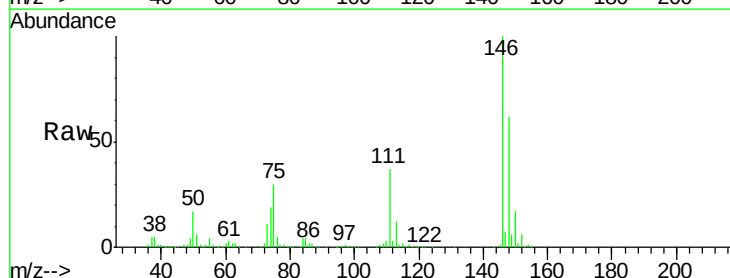
Manual Integrations
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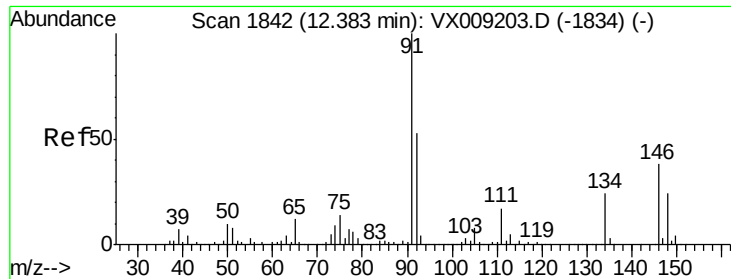
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#88
 1,4-Dichlorobenzene
 Concen: 21.896 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	63.7	31.8	95.3





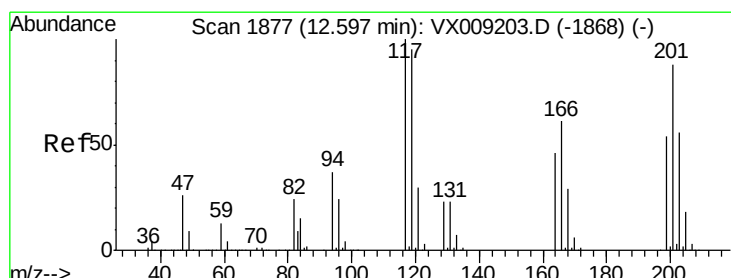
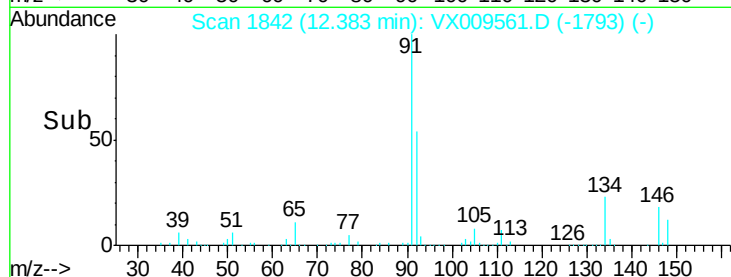
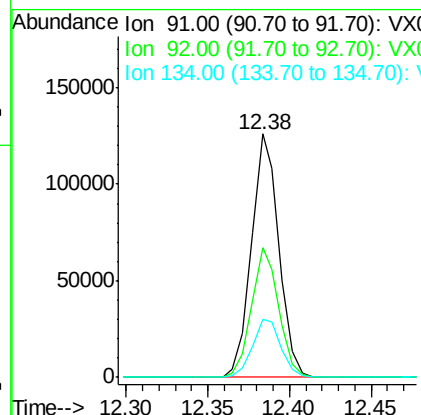
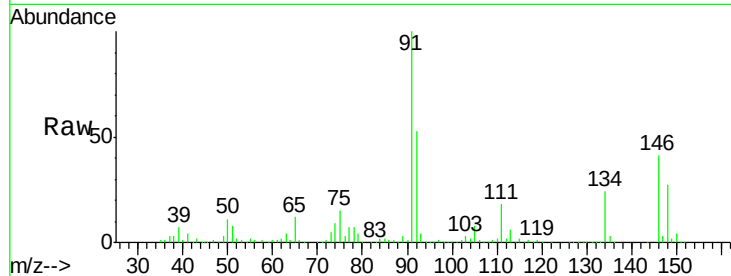
#89
n-Butylbenzene
Concen: 22.513 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.6	12.4	37.2

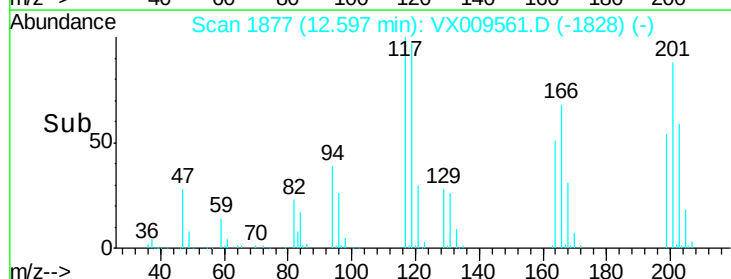
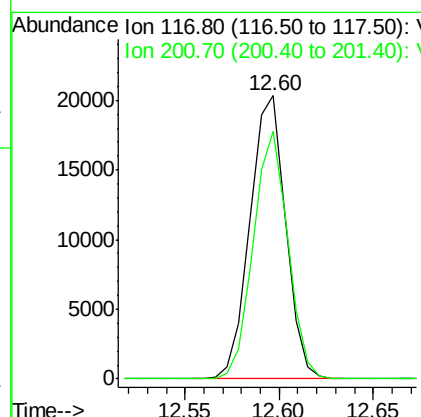
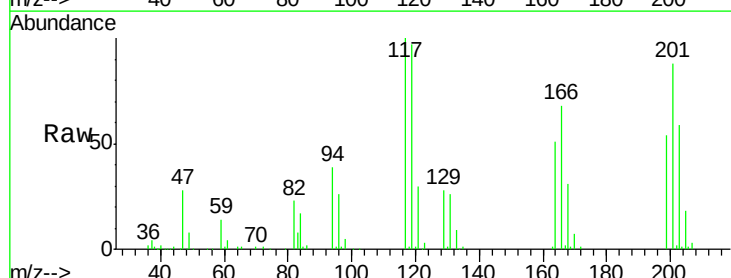
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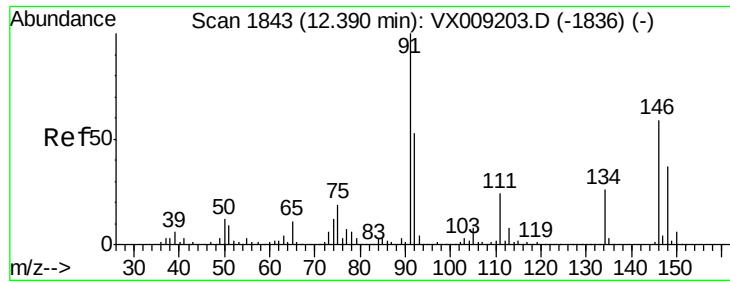
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#90
Hexachloroethane
Concen: 21.591 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	42.3	126.9





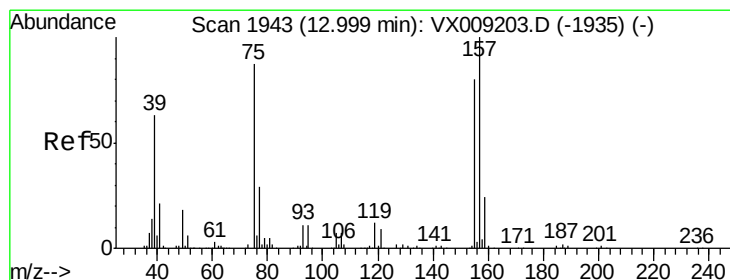
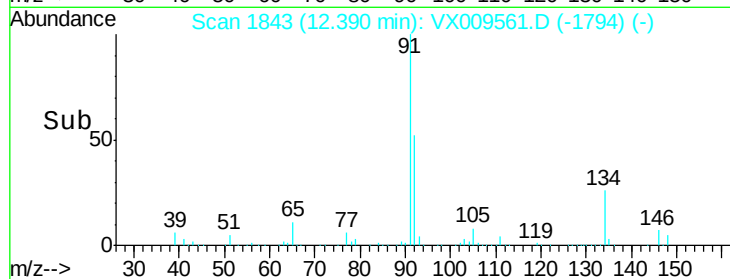
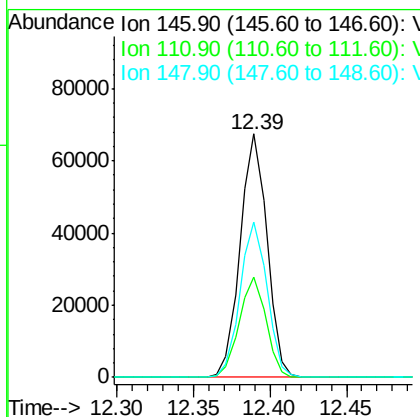
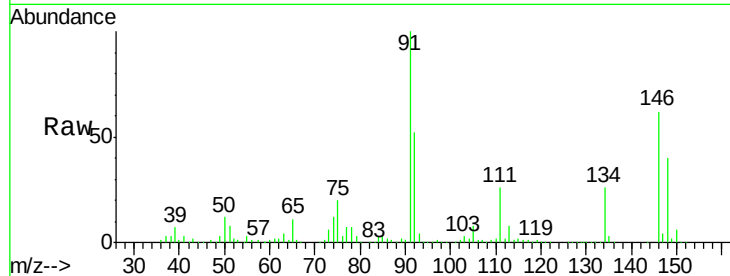
#91
 1,2-Dichlorobenzene
 Concen: 21.952 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	64.4	31.9	95.9

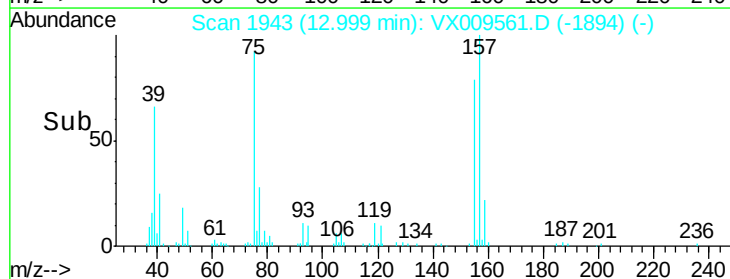
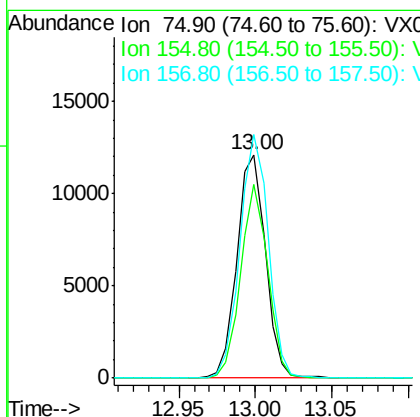
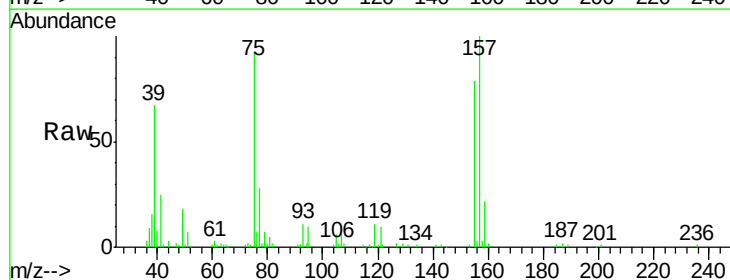
Manual Integrations
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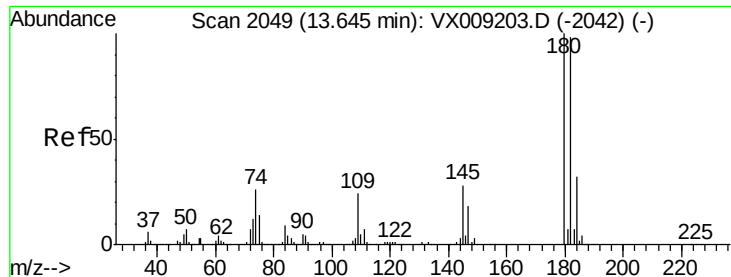
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.551 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	42.0	126.0
157	108.1	53.2	159.6





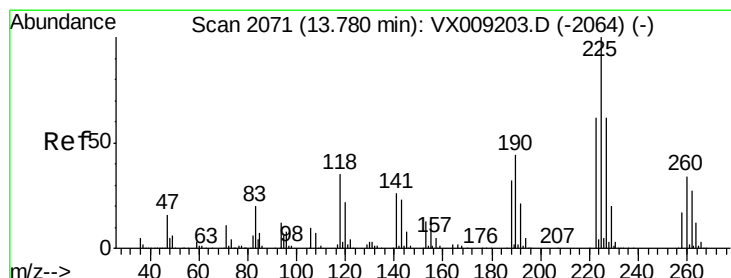
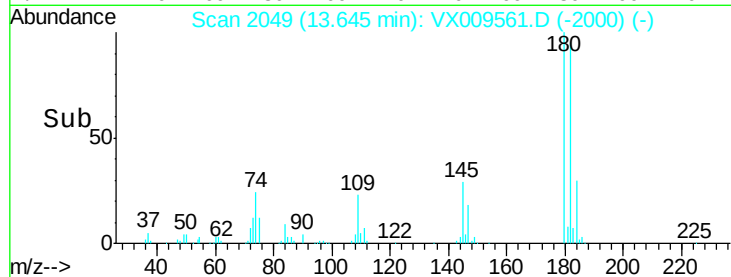
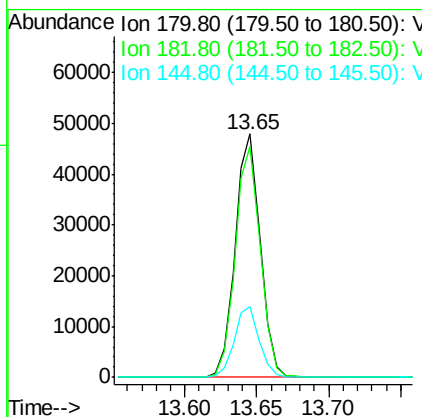
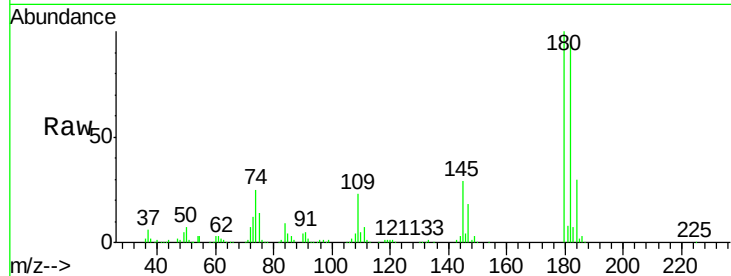
#93
 1,2,4-Trichlorobenzene
 Concen: 22.758 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58308		
182	94.7		48.4	145.2
145	28.9		14.6	43.8

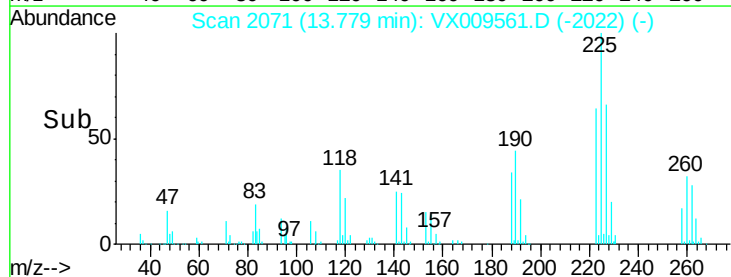
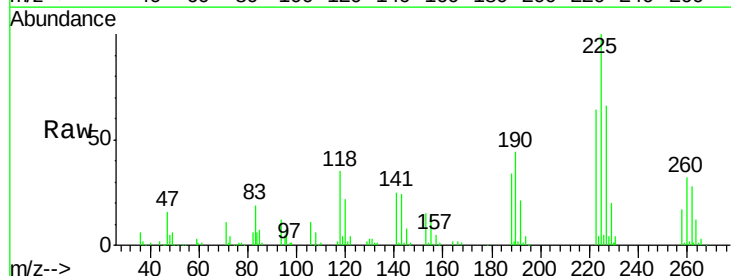
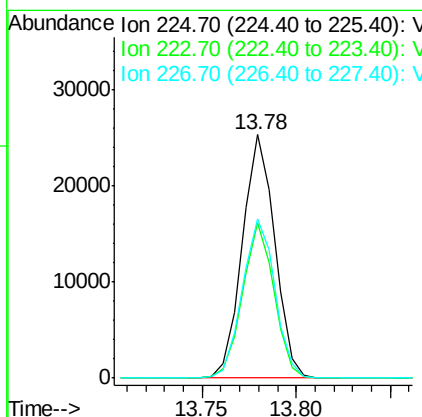
Manual Integrations
 APPROVED

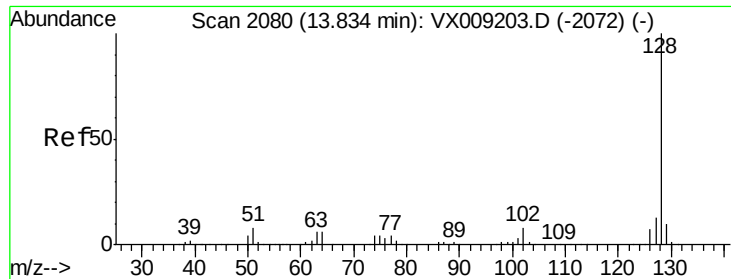
MMDadoda
 5/15/2019 12:25:46 PM



#94
 Hexachlorobutadiene
 Concen: 23.084 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009561.D
 Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30203		
223	61.8		31.3	93.8
227	65.6		31.8	95.3





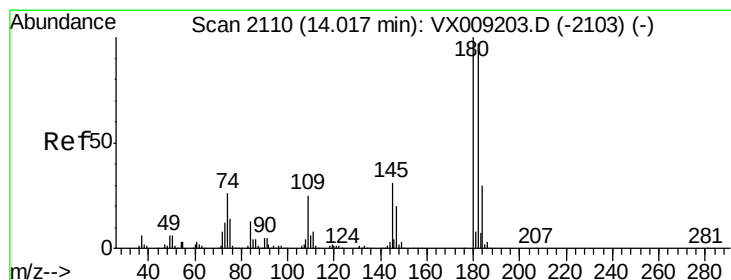
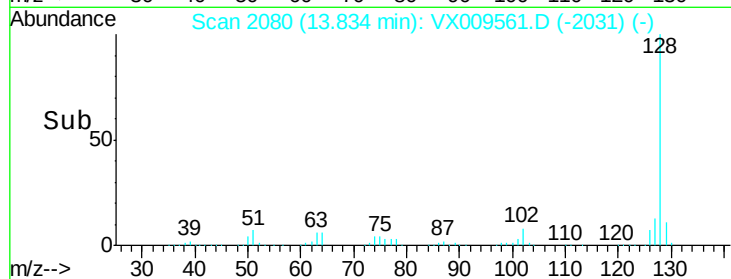
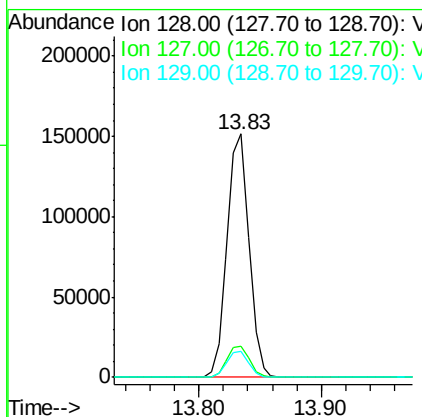
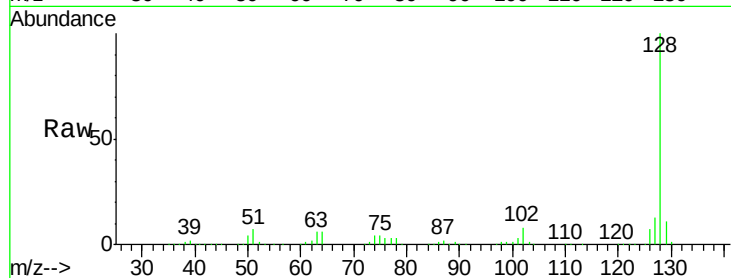
#95
Naphthalene
Concen: 22.529 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Instrument :
MSVOA_X
ClientSampleId :
VX0514MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	187792		
127	13.1		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/15/2019 12:25:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.671 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009561.D
Acq: 14 May 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58880		
182	96.1		47.8	143.4
145	30.8		15.4	46.4

