

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051018\
 Data File : VX001601.D
 Acq On : 10 May 2018 14:49
 Operator : JC/MD
 Sample : VX0510MBS01
 Misc : 5.0µ/10mL/100µL/5mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510MBS01

Manual Integrations
 APPROVED

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 5/11/2018 1:06:49 PM

Quant Time: May 11 07:02:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	295374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	199131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	158398	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
35) Dibromofluoromethane	5.51	113	126933	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.72	98	444781	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
62) 4-Bromofluorobenzene	11.14	95	168376	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63979	20.34	ug/l	100
3) Chloromethane	1.32	50	58406	19.06	ug/l	98
4) Vinyl Chloride	1.40	62	62640	19.59	ug/l	100
5) Bromomethane	1.64	94	33926	21.20	ug/l	99
6) Chloroethane	1.72	64	41006	19.40	ug/l	97
7) Trichlorofluoromethane	1.93	101	98546	20.48	ug/l	97
8) Diethyl Ether	2.19	74	39744	21.07	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59054	20.93	ug/l	99
10) Methyl Iodide	2.51	142	68727	16.88	ug/l	99
11) Tert butyl alcohol	3.07	59	80702	113.97	ug/l	100
12) 1,1-Dichloroethene	2.37	96	51496	19.92	ug/l	99
13) Acrolein	2.30	56	12085	78.57	ug/l	90
14) Allyl chloride	2.73	41	98765	20.49	ug/l	98
15) Acrylonitrile	3.15	53	171365	107.09	ug/l	99
16) Acetone	2.45	43	167351	109.73	ug/l	98
17) Carbon Disulfide	2.57	76	116089	17.64	ug/l	99
18) Methyl Acetate	2.78	43	95132	23.74	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	194630	21.62	ug/l	99
20) Methylene Chloride	2.86	84	60818	20.14	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	54678	18.95	ug/l	96
22) Diisopropyl ether	3.87	45	185356	20.58	ug/l	96
23) Vinyl Acetate	3.83	43	819883	109.22	ug/l	100
24) 1,1-Dichloroethane	3.70	63	106141	21.09	ug/l	100
25) 2-Butanone	4.71	43	240388	109.04	ug/l	99
26) 2,2-Dichloropropane	4.59	77	81491	20.97	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	63019	20.51	ug/l	99
28) Bromochloromethane	5.03	49	47346	21.70	ug/l	95
29) Tetrahydrofuran	5.17	42	146768	104.05	ug/l	99
30) Chloroform	5.22	83	112022	21.61	ug/l	100
31) Cyclohexane	5.57	56	85396	19.76	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	94989	20.97	ug/l	99
36) 1,1-Dichloropropene	5.80	75	75960	20.22	ug/l	99
37) Ethyl Acetate	4.87	43	89500	21.73	ug/l	100
38) Carbon Tetrachloride	5.79	117	84882	21.18	ug/l	97

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Quant Time: May 11 07:02:24 2018
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 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	90769	20.43	ug/l	97
40) Benzene	6.15	78	232128	21.15	ug/l	100
41) Methacrylonitrile	5.07	41	50943	21.62	ug/l	99
42) 1,2-Dichloroethane	6.20	62	95593	22.66	ug/l	100
43) Isopropyl Acetate	6.47	43	138644	21.93	ug/l	99
44) Trichloroethene	7.22	130	71111	21.20	ug/l	99
45) 1,2-Dichloropropane	7.52	63	60144	21.98	ug/l	98
46) Dibromomethane	7.67	93	42627	22.01	ug/l	99
47) Bromodichloromethane	7.90	83	77983	21.76	ug/l	97
48) Methyl methacrylate	7.78	41	74477	21.63	ug/l	99
49) 1,4-Dioxane	7.76	88	32848	441.62	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	472623	112.49	ug/l	99
52) Toluene	8.79	92	154582	21.54	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	88696	21.89	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	80858	20.69	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	64294	22.24	ug/l	96
56) Ethyl methacrylate	9.19	69	87783	21.06	ug/l	99
57) 1,3-Dichloropropane	9.38	76	105354	22.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	239607	117.23	ug/l	99
59) 2-Hexanone	9.50	43	353659	109.92	ug/l	99
60) Dibromochloromethane	9.59	129	64584	21.81	ug/l	100
61) 1,2-Dibromoethane	9.68	107	65449	21.56	ug/l	98
64) Tetrachloroethene	9.34	164	82879	21.20	ug/l	99
65) Chlorobenzene	10.14	112	174080	21.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	65088	22.12	ug/l	99
67) Ethyl Benzene	10.26	91	280823	20.83	ug/l	99
68) m/p-Xylenes	10.37	106	226437	42.51	ug/l	100
69) o-Xylene	10.70	106	110162	21.28	ug/l	100
70) Styrene	10.72	104	179578	21.35	ug/l	99
71) Bromoform	10.86	173	49119	19.69	ug/l #	99
73) Isopropylbenzene	11.02	105	295896	21.46	ug/l	100
74) N-amyl acetate	6.47	43	138644	22.14	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	89776	22.05	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	91765m	22.72	ug/l	
77) Bromobenzene	11.26	156	84276	21.03	ug/l	99
78) n-propylbenzene	11.37	91	329438	21.95	ug/l	99
79) 2-Chlorotoluene	11.43	91	196958	21.32	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	249694	21.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	21979	20.15	ug/l	89
82) 4-Chlorotoluene	11.52	91	232451	21.81	ug/l	99
83) tert-Butylbenzene	11.77	119	240086	21.02	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	257771	21.85	ug/l	100
85) sec-Butylbenzene	11.95	105	301134	21.97	ug/l	99
86) p-Isopropyltoluene	12.07	119	278299	22.13	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	152405	21.27	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	154543	21.15	ug/l	99
89) n-Butylbenzene	12.40	91	220382	21.15	ug/l	99
90) Hexachloroethane	12.60	117	39917	21.08	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	155454	21.33	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19943	22.29	ug/l	99

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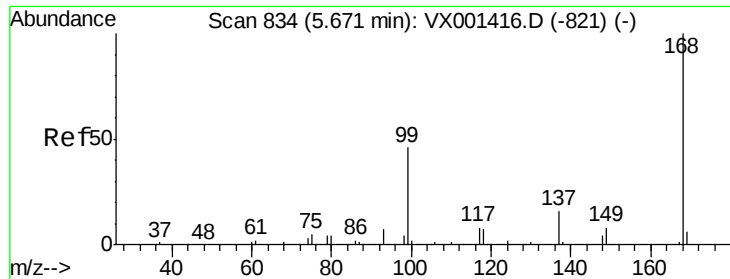
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	113901	21.35	ug/l	100
94) Hexachlorobutadiene	13.79	225	62664	21.47	ug/l	100
95) Naphthalene	13.84	128	323900	21.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	118312	21.62	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion:168 Resp: 233674

Ion Ratio Lower Upper

168 100

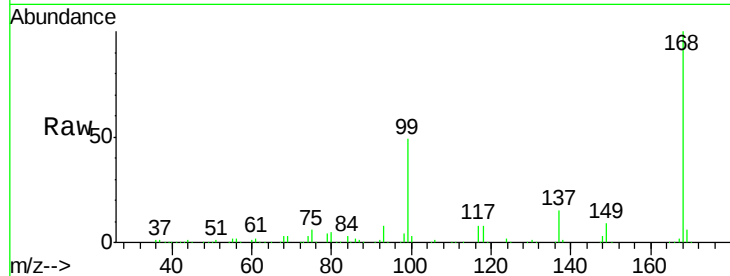
99 49.1 36.6 54.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

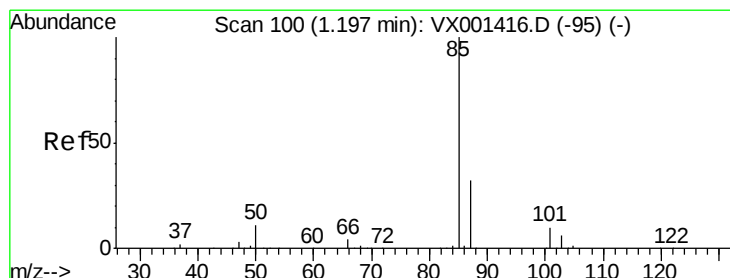
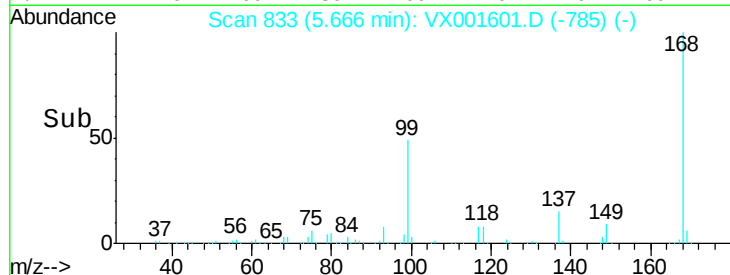
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.34 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001601.D

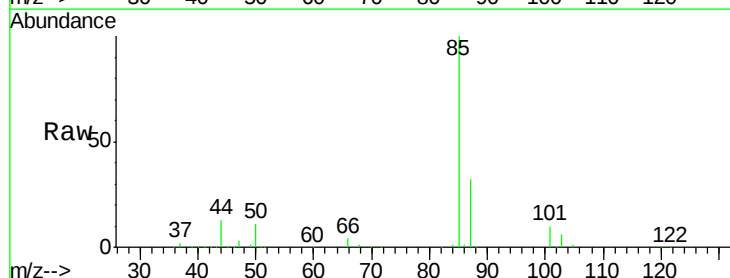
Acq: 10 May 2018 14:49

Tgt Ion: 85 Resp: 63979

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

40000

20000

0

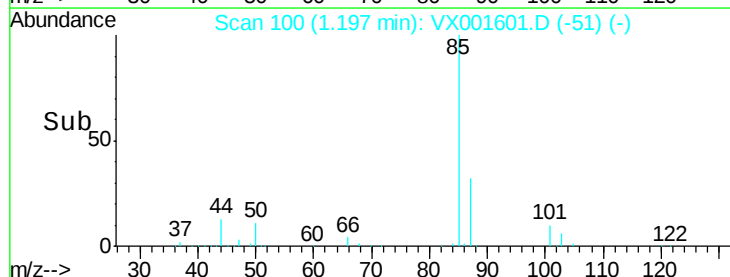
1.15

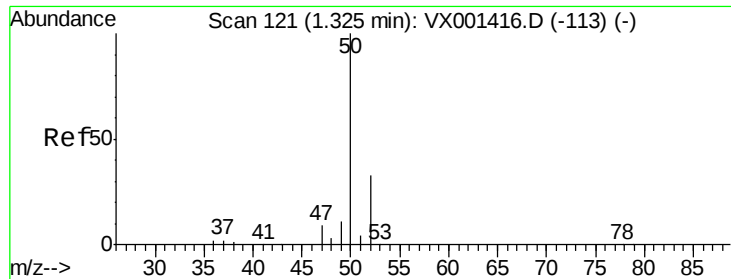
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 19.06 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 50 Resp: 58406

Ion Ratio Lower Upper

50 100

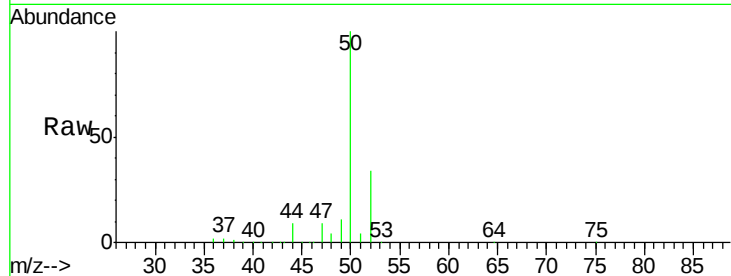
52 33.8 26.2 39.4

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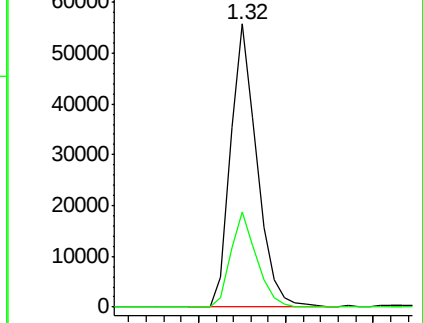
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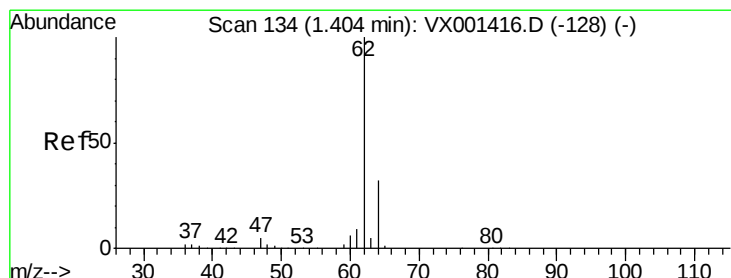
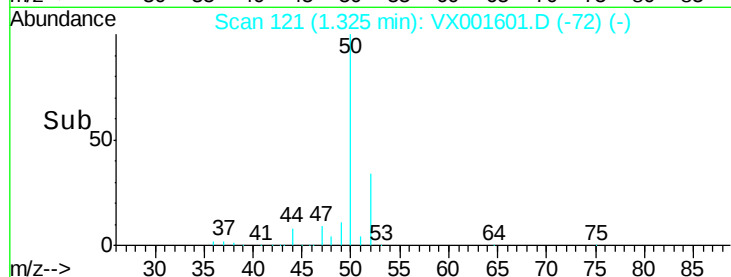


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 19.59 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001601.D

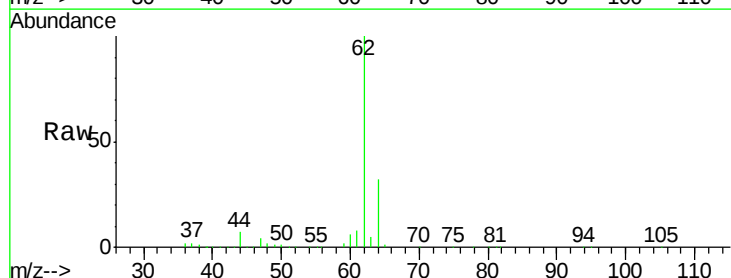
Acq: 10 May 2018 14:49

Tgt Ion: 62 Resp: 62640

Ion Ratio Lower Upper

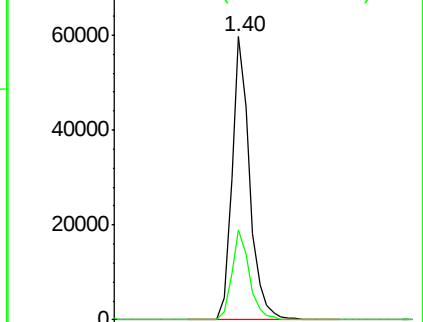
62 100

64 32.0 25.8 38.6

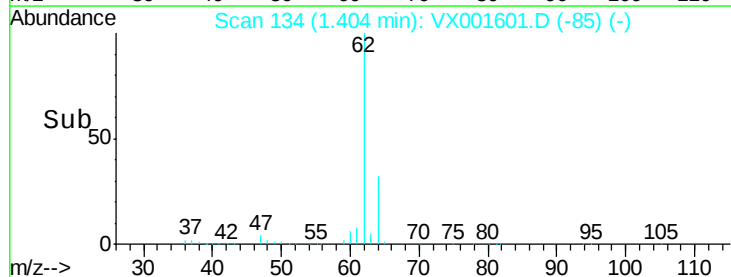


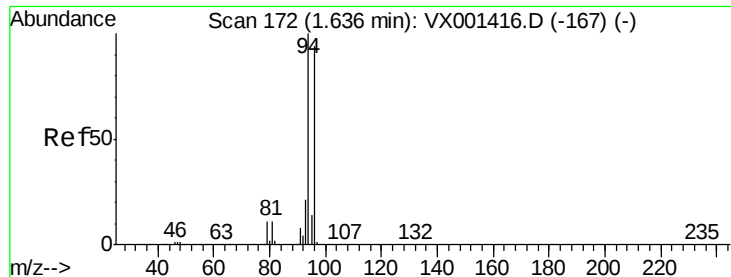
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 21.20 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 94 Resp: 33926

Ion Ratio Lower Upper

94 100

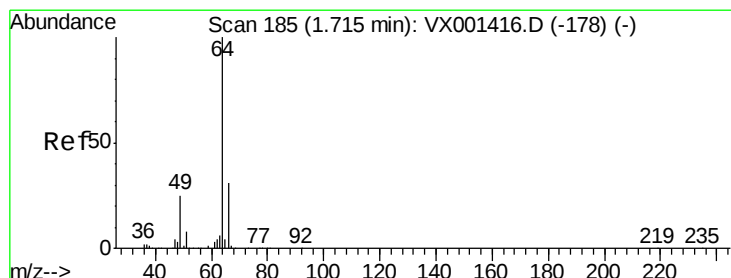
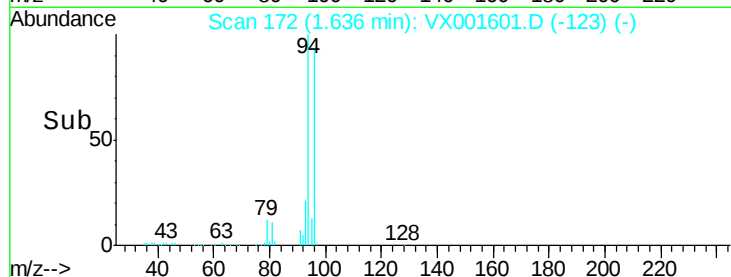
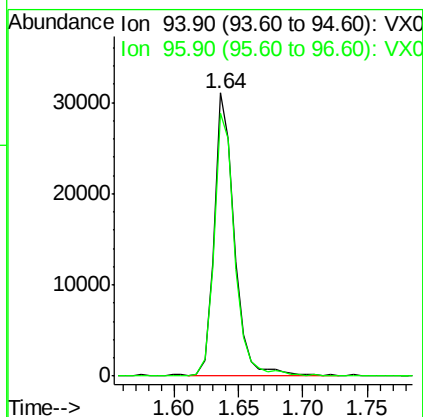
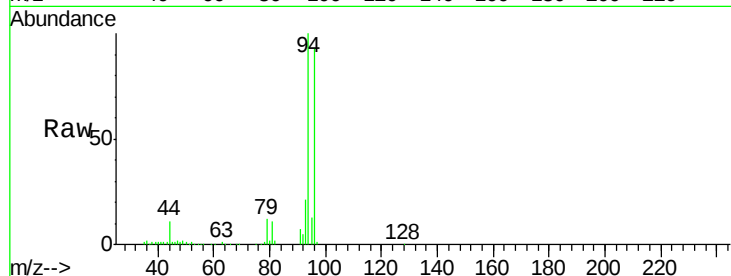
96 93.3 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 19.40 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001601.D

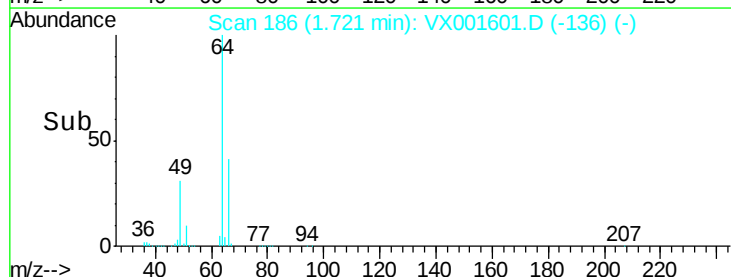
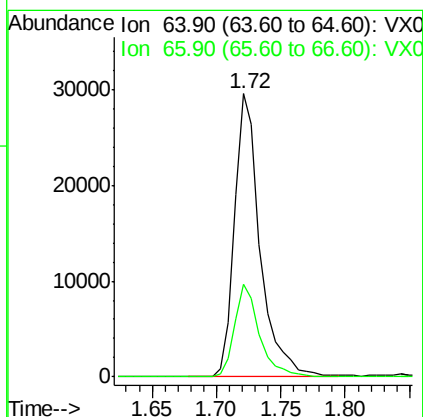
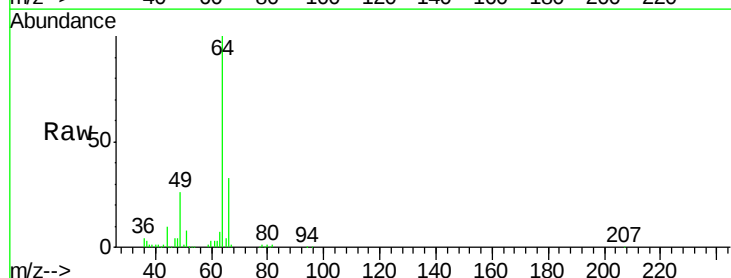
Acq: 10 May 2018 14:49

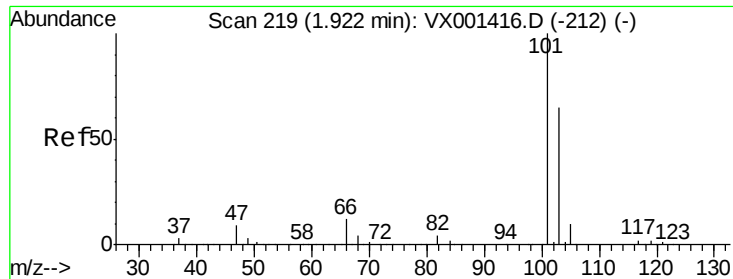
Tgt Ion: 64 Resp: 41006

Ion Ratio Lower Upper

64 100

66 32.9 25.1 37.7





#7

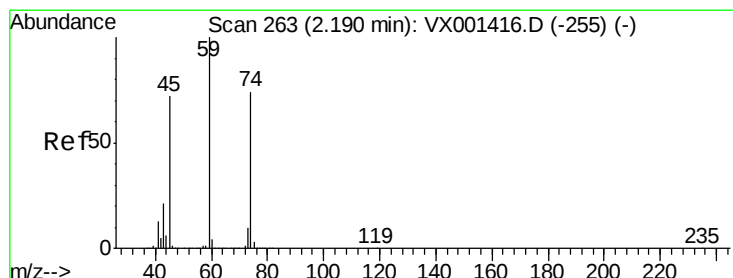
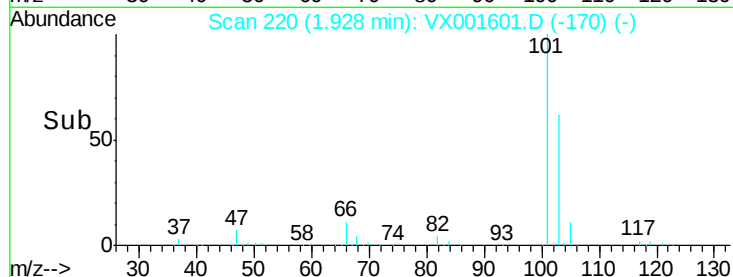
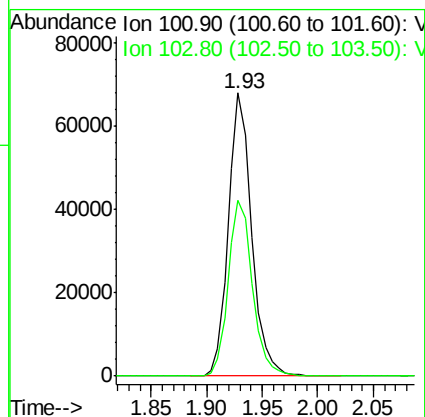
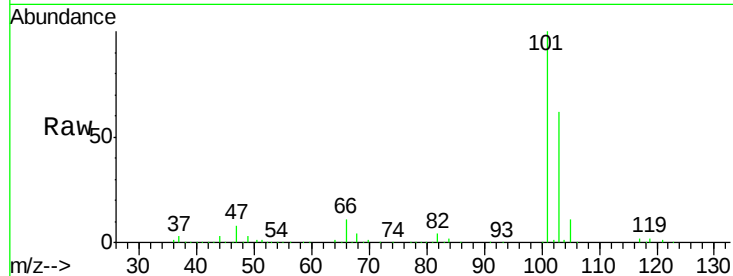
Trichlorofluoromethane
Concen: 20.48 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.0	78.0

Manual Integrations
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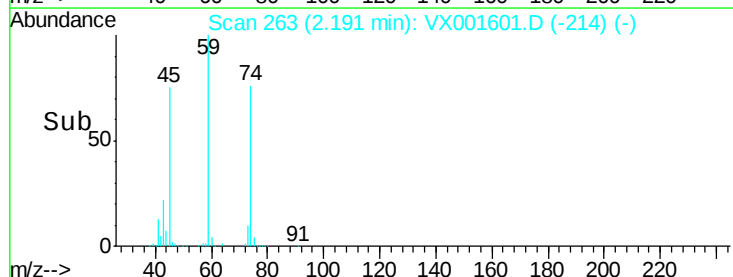
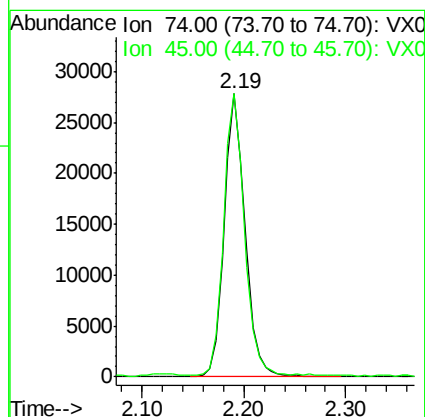
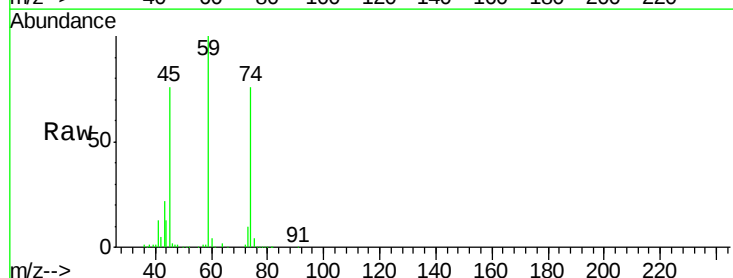
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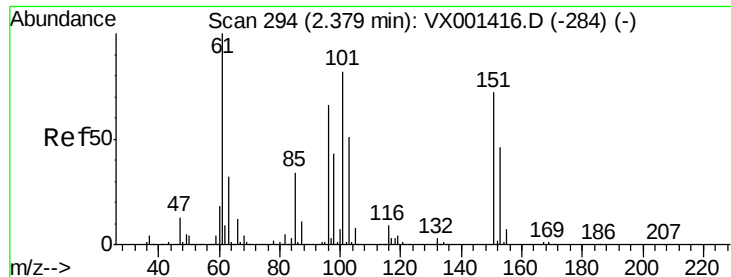


#8

Diethyl Ether
Concen: 21.07 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.93 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

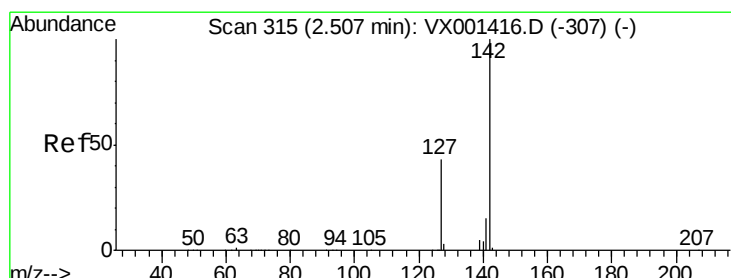
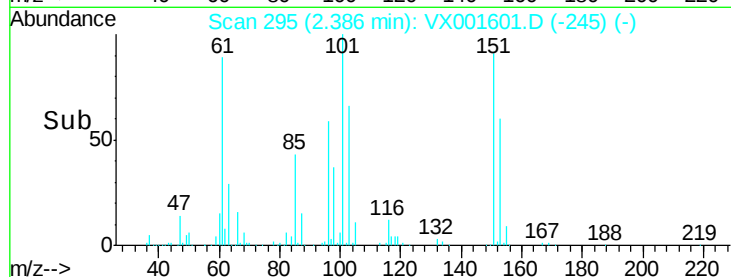
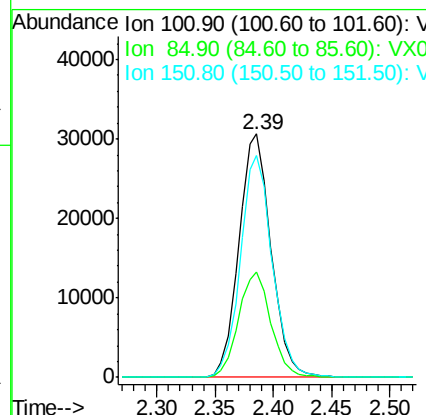
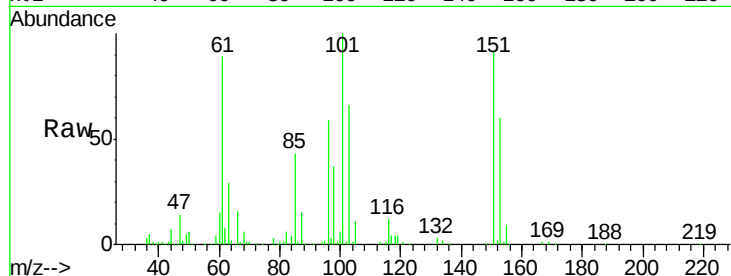
ClientSampleId :

VX0510MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.5	33.7	50.5
151	90.2	72.3	108.5

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#10

Methyl Iodide

Concen: 16.88 ug/l

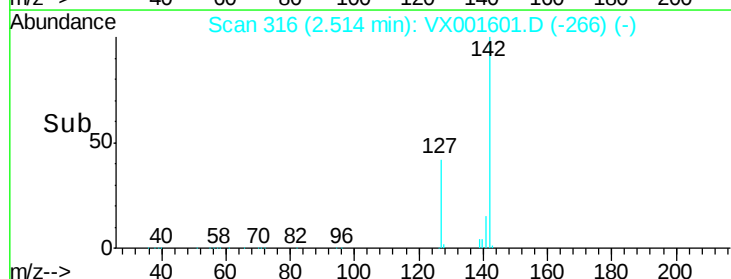
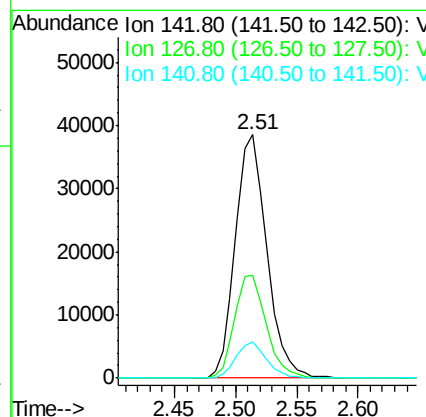
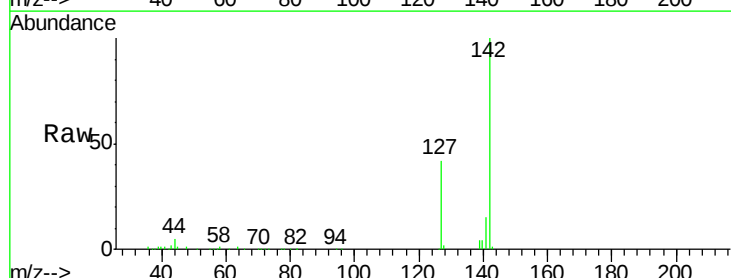
RT: 2.51 min Scan# 316

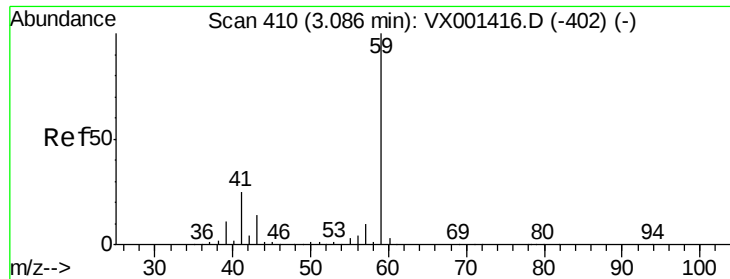
Delta R.T. 0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.8	33.6	50.4
141	14.3	11.4	17.2





#11

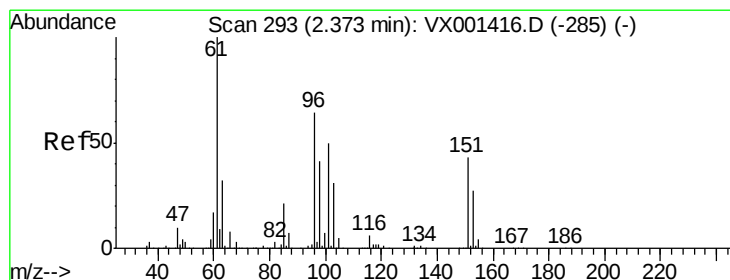
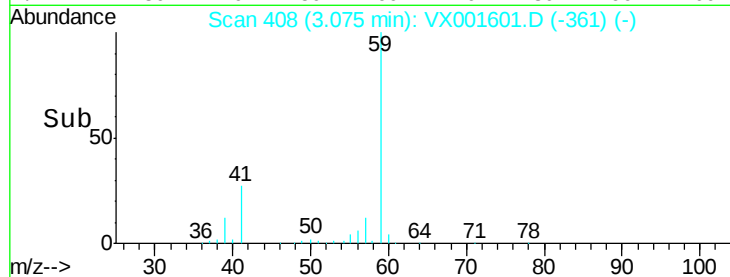
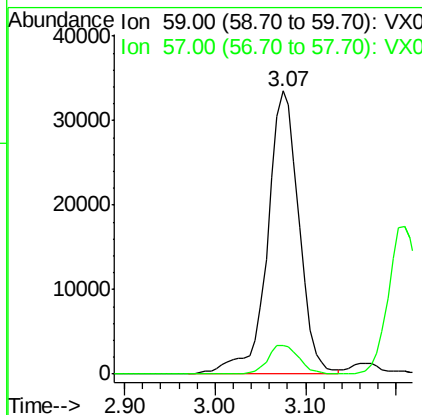
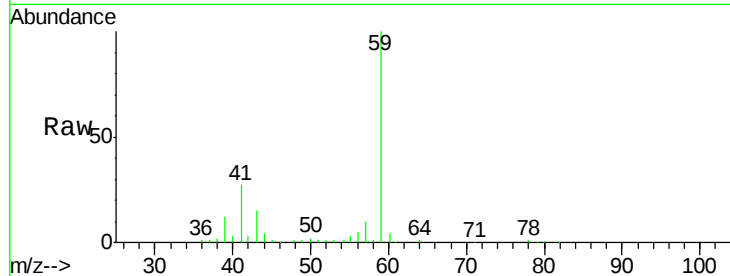
Tert butyl alcohol
 Concen: 113.97 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510MBS01

Tot Ion	59	Resp	80702
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.4

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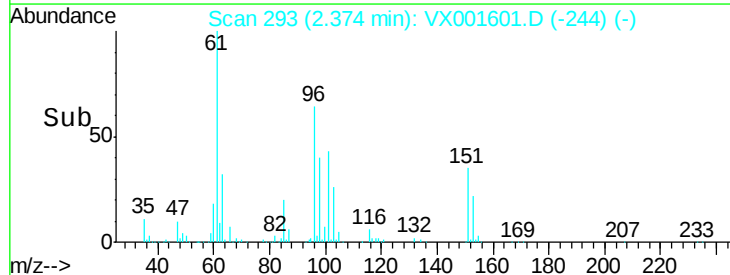
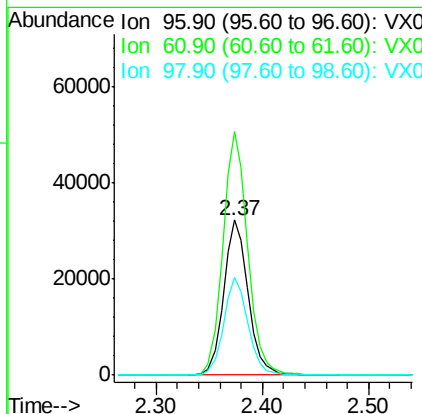
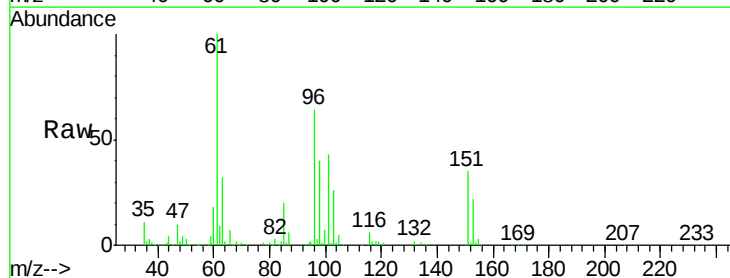
apatel
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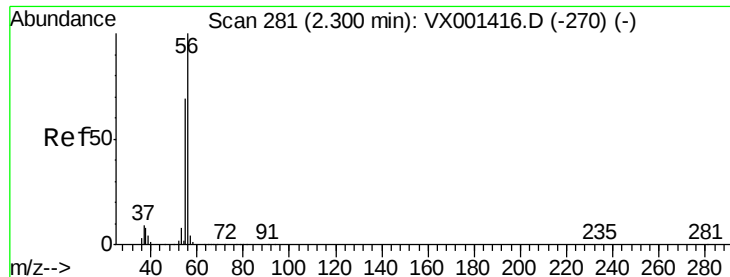


#12

1,1-Dichloroethene
 Concen: 19.92 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Tgt Ion	96	Resp	51496
Ion Ratio	100	Lower	Upper
61	157.3	125.7	188.5
98	63.3	52.0	78.0





#13

Acrolein

Concen: 78.57 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 56 Resp: 12085

Ion Ratio Lower Upper

56 100

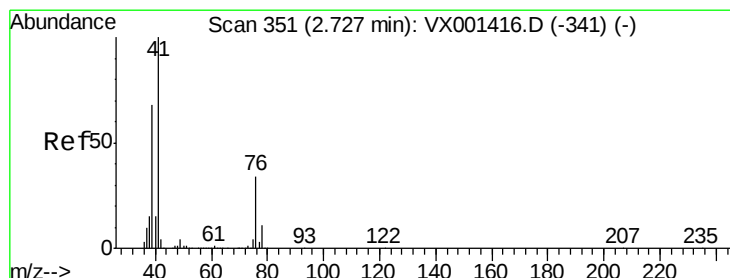
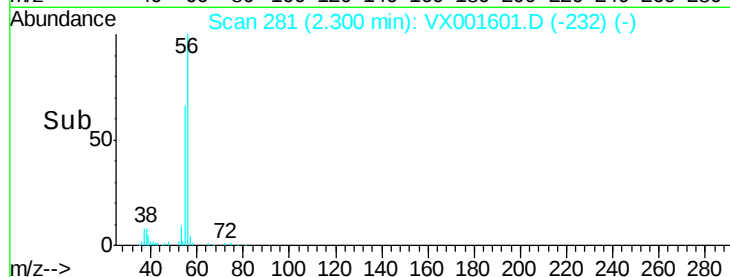
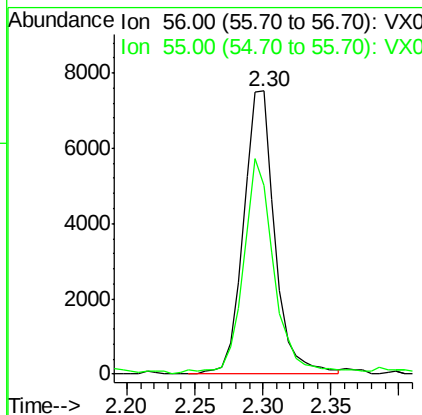
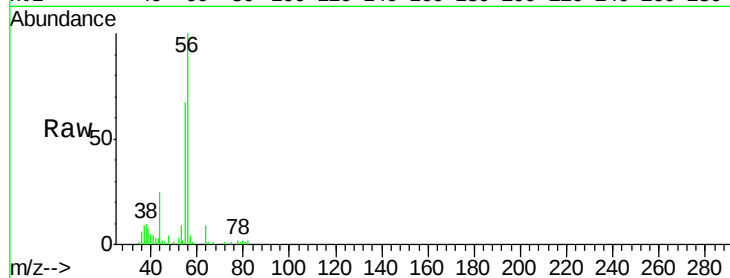
55 76.2 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 20.49 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

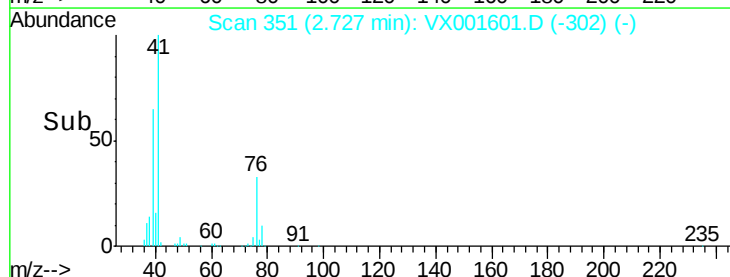
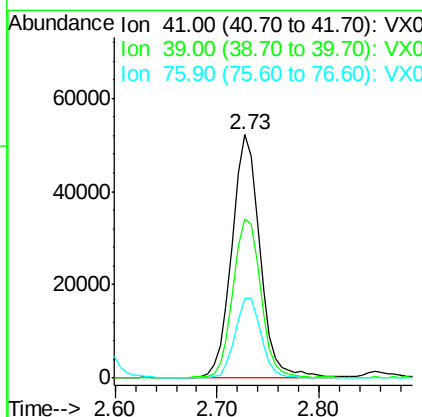
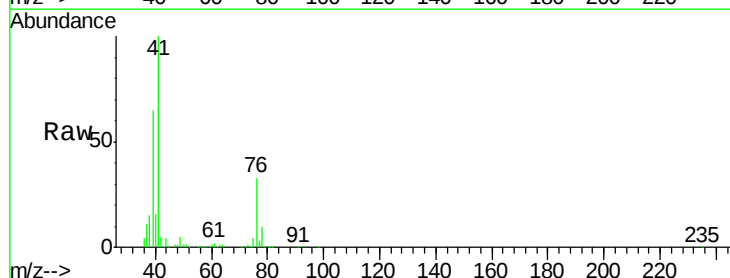
Tgt Ion: 41 Resp: 98765

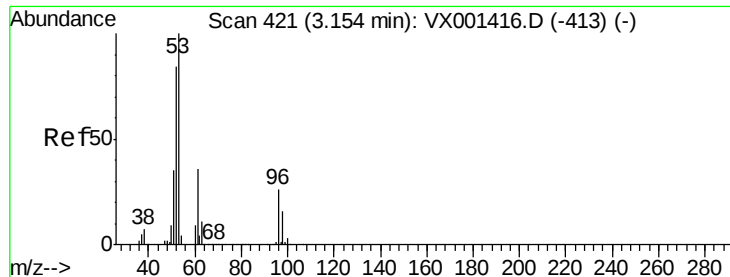
Ion Ratio Lower Upper

41 100

39 64.4 52.4 78.6

76 31.0 25.8 38.6





#15

Acrylonitrile

Concen: 107.09 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

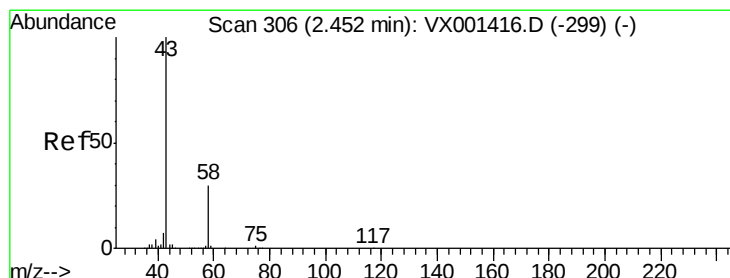
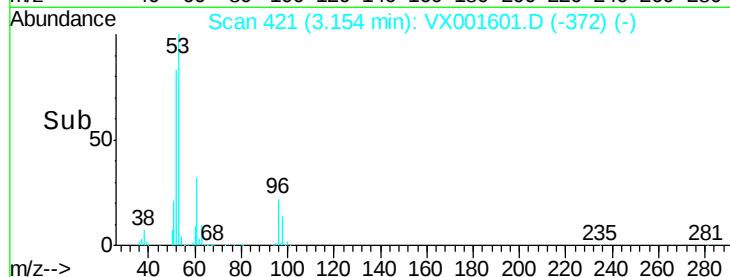
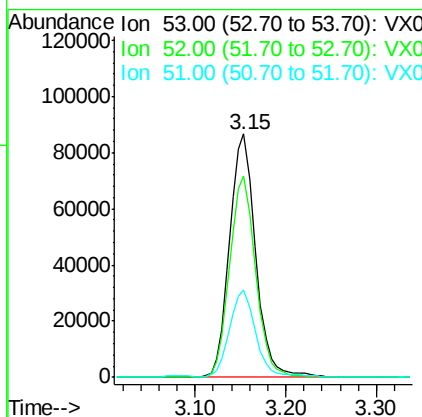
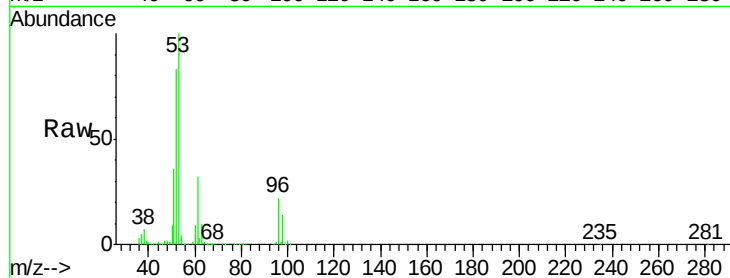
ClientSampleId :

VX0510MBS01

Tot Ion:	53	Resp:	171365
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.2
51	36.4	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 109.73 ug/l

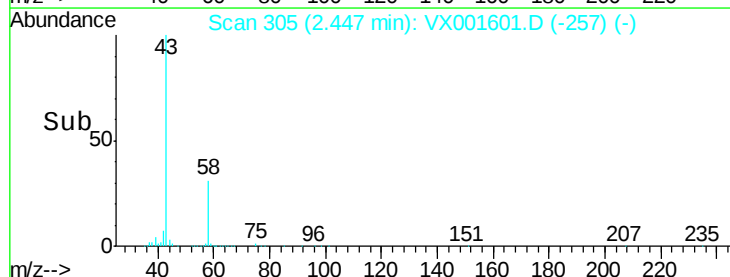
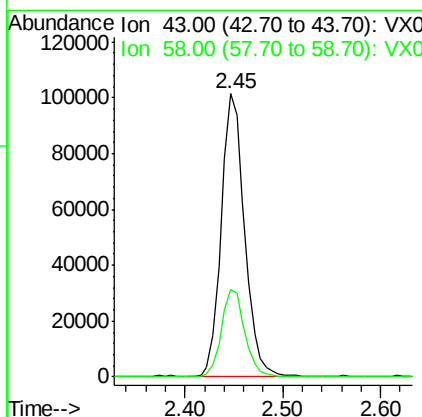
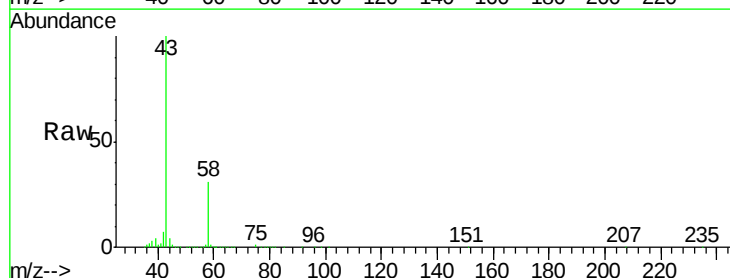
RT: 2.45 min Scan# 305

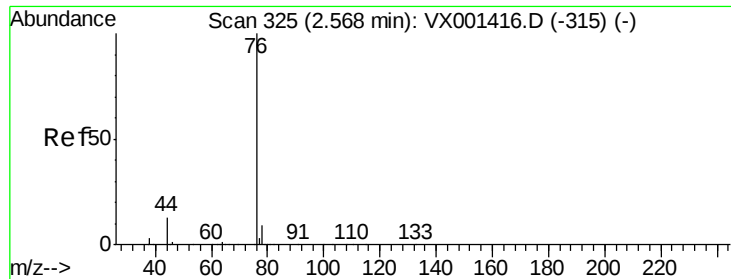
Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion:	43	Resp:	167351
Ion Ratio	Lower	Upper	
43	100		
58	30.8	23.8	35.8





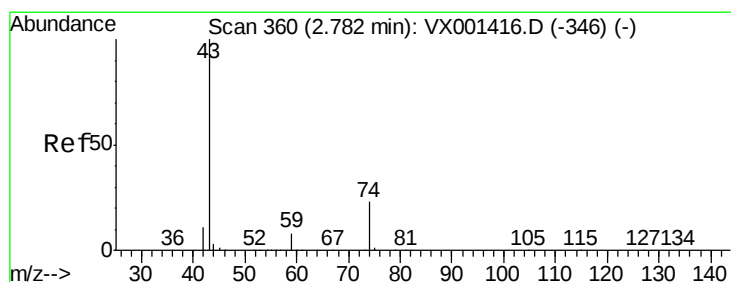
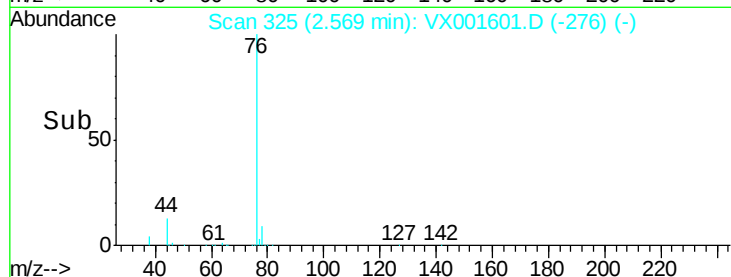
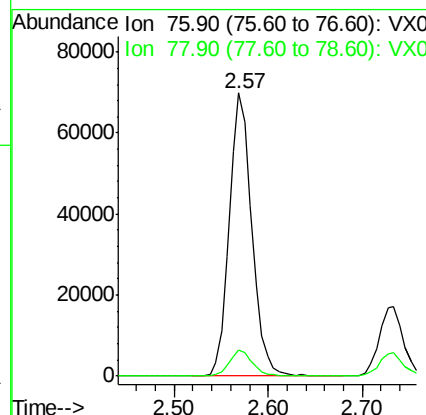
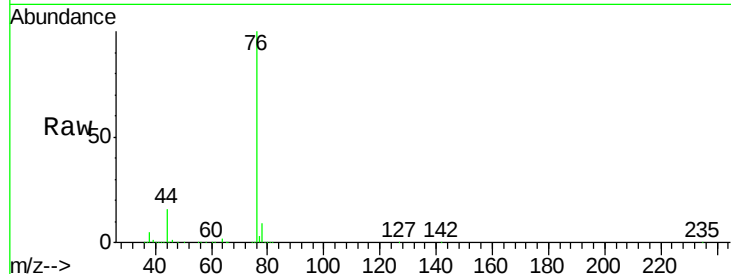
#17
Carbon Disulfide
Concen: 17.64 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

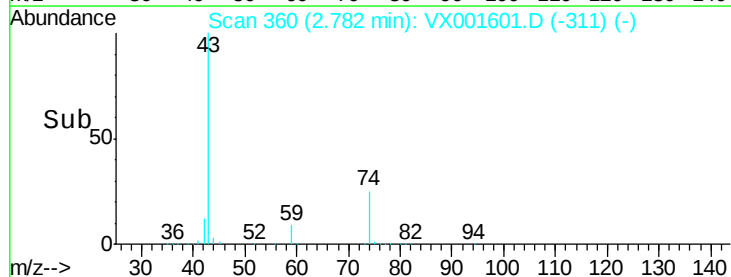
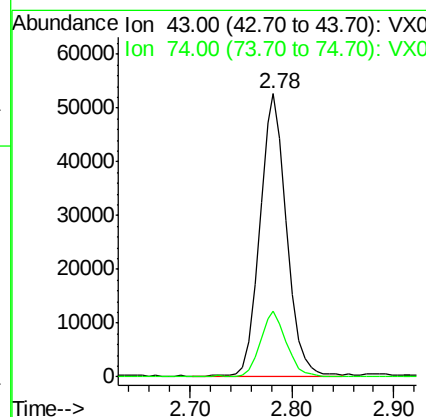
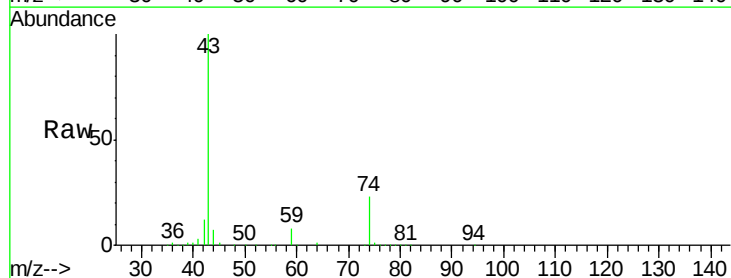
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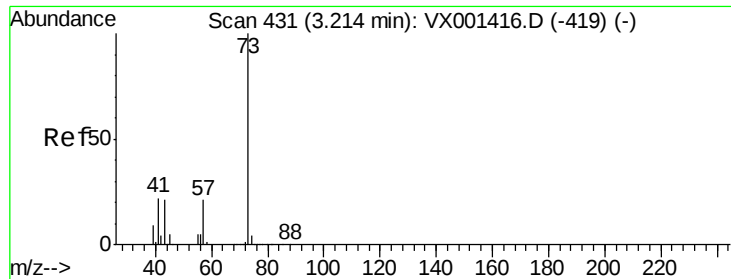
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#18
Methyl Acetate
Concen: 23.74 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.6	27.8





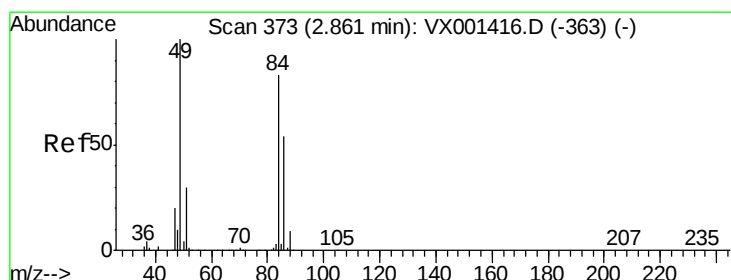
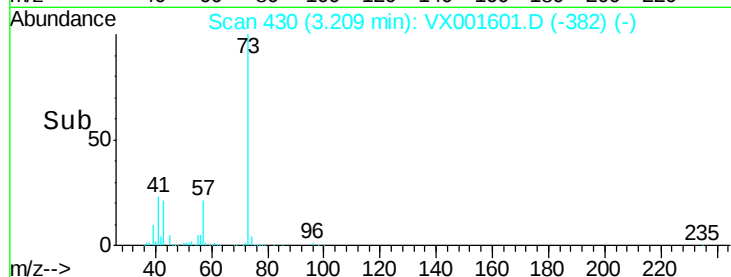
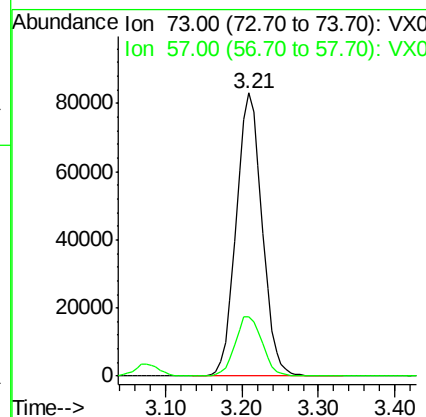
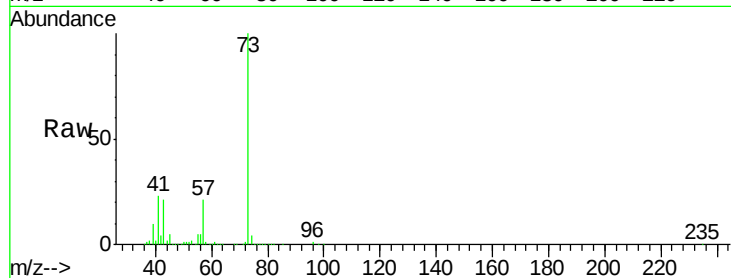
#19
Methvl tert-butvl Ether
Concen: 21.62 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion: 73 Resp: 194630
Ion Ratio Lower Upper
73 100
57 21.0 17.0 25.6

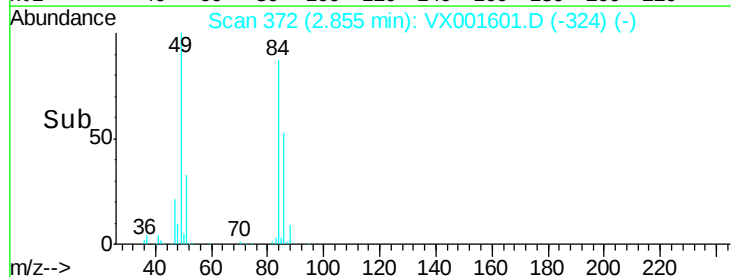
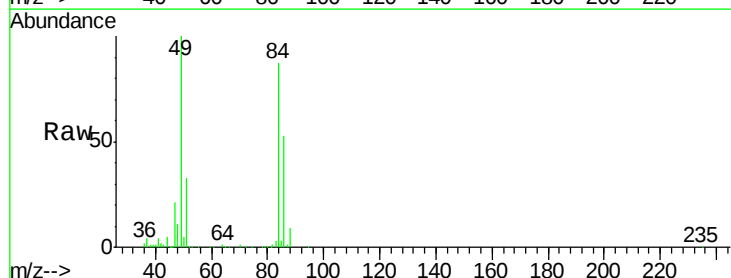
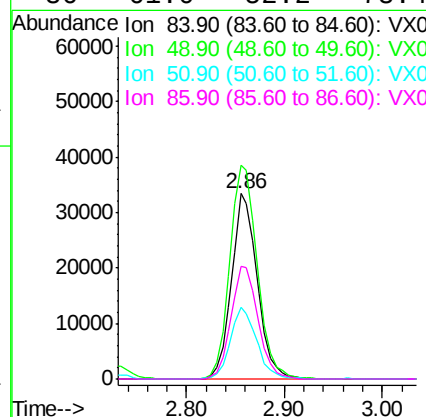
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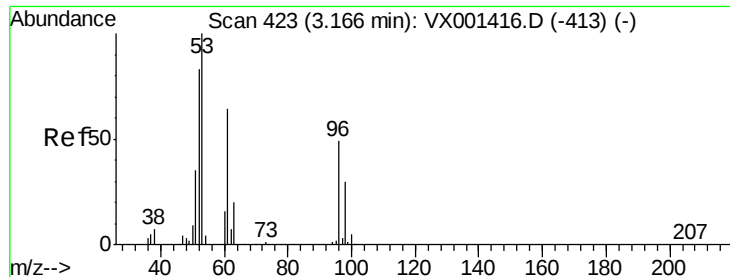
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#20
Methylene Chloride
Concen: 20.14 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion: 84 Resp: 60818
Ion Ratio Lower Upper
84 100
49 115.2 96.6 144.8
51 38.5 29.0 43.4
86 61.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 96 Resp: 54678

Ion Ratio Lower Upper

96 100

61 136.5 105.0 157.4

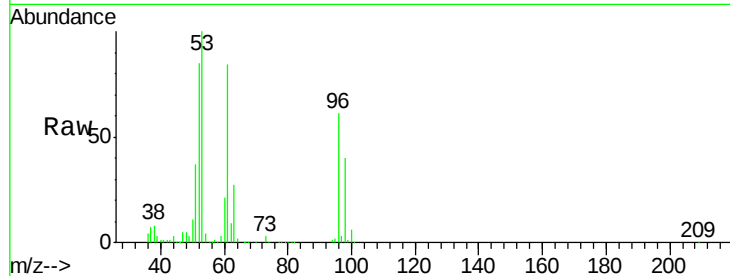
98 65.0 49.9 74.9

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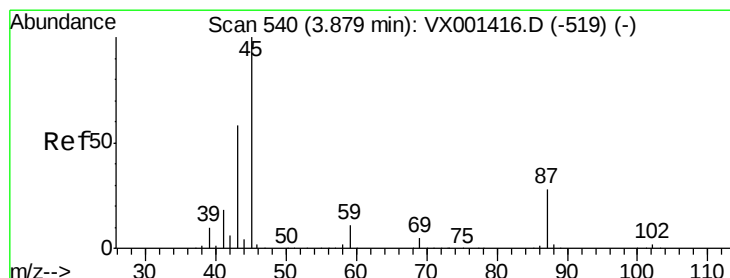
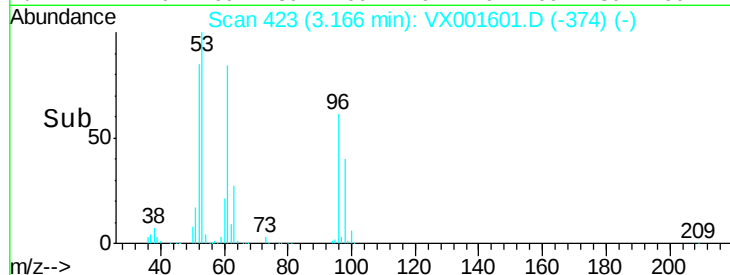
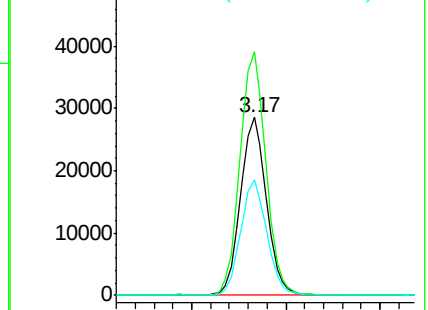


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.58 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion: 45 Resp: 185356

Ion Ratio Lower Upper

45 100

43 62.7 46.5 69.7

87 28.0 22.6 34.0

59 11.6 9.1 13.7

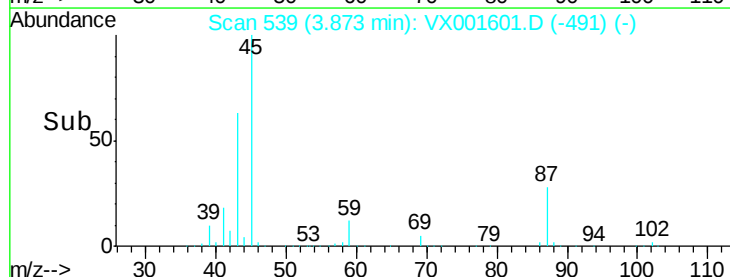
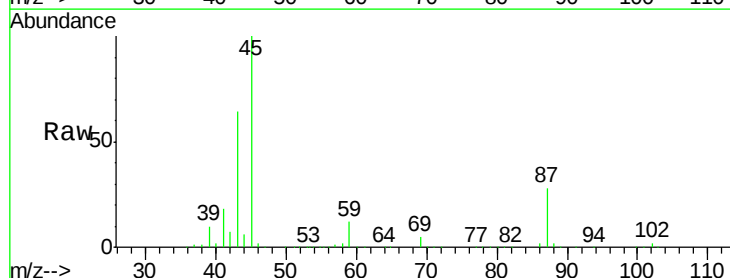
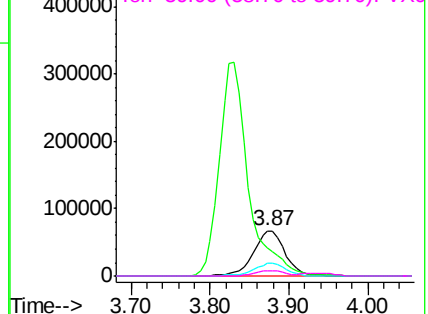
Abundance

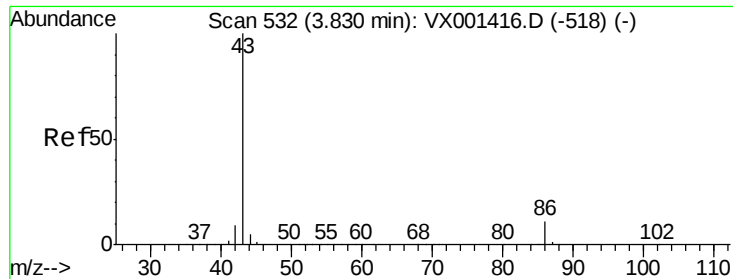
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 109.22 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 43 Resp: 819883

Ion Ratio Lower Upper

43 100

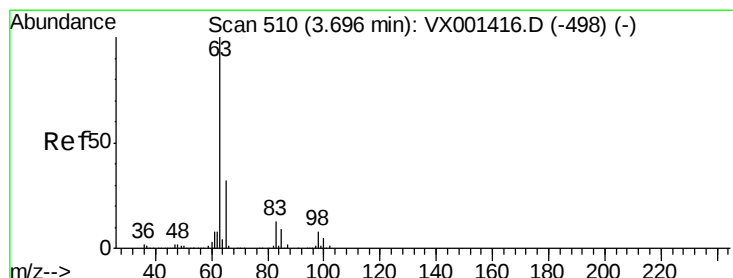
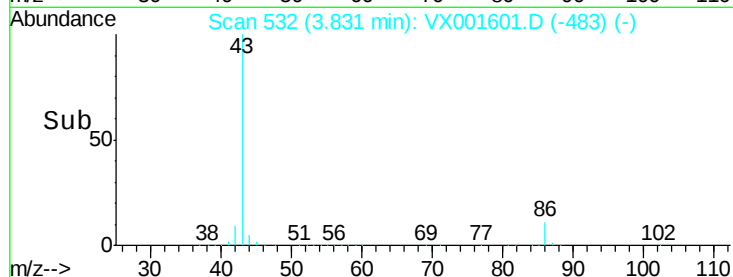
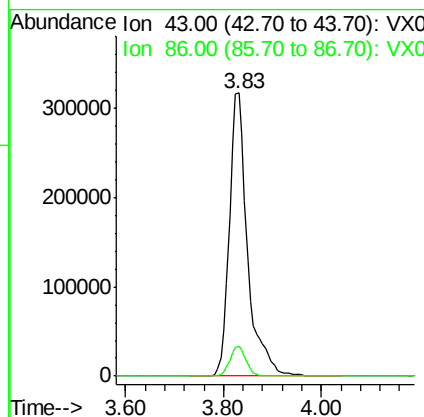
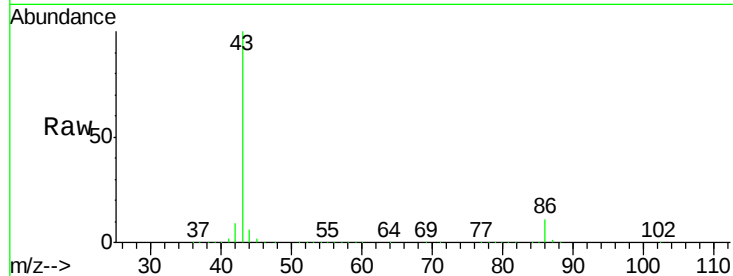
86 10.6 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 21.09 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

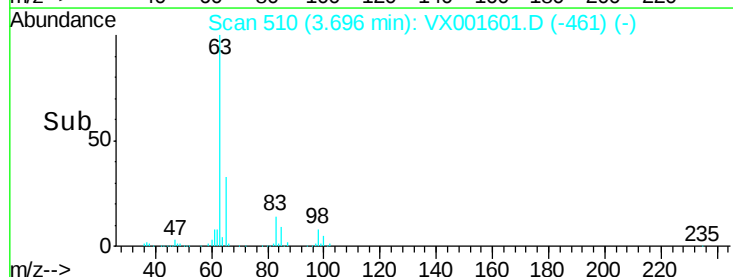
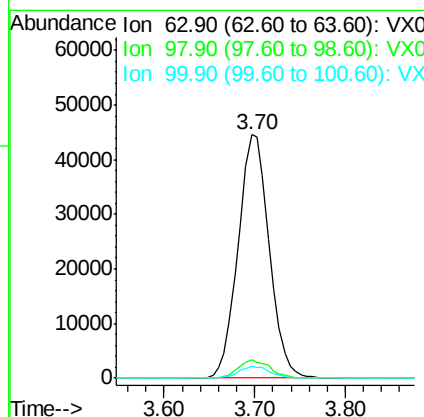
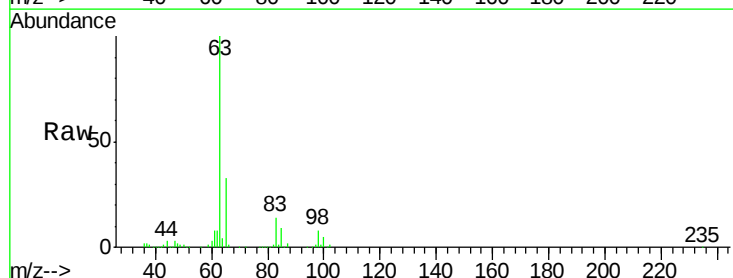
Tgt Ion: 63 Resp: 106141

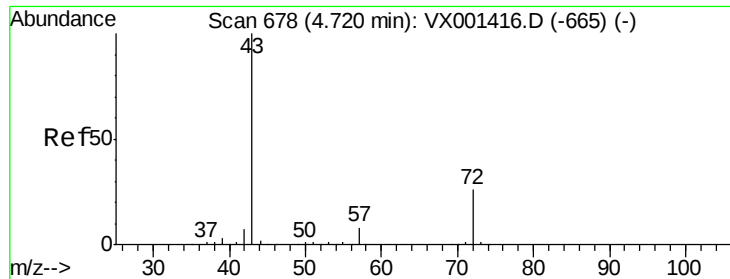
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 109.04 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 43 Resp: 240388

Ion Ratio Lower Upper

43 100

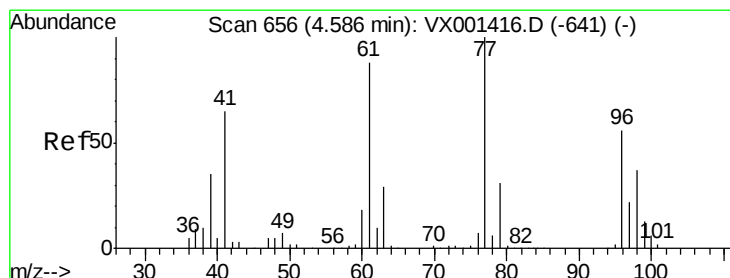
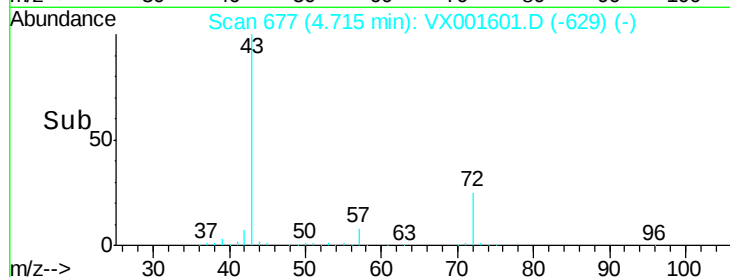
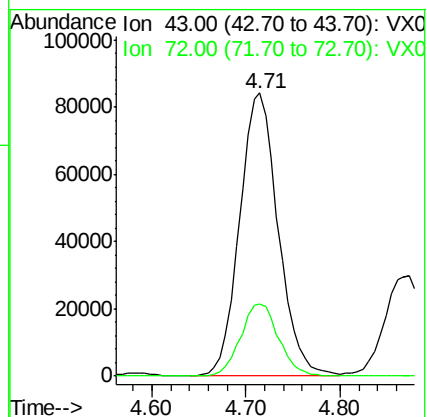
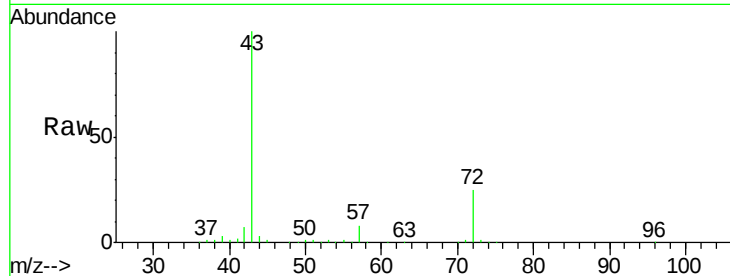
72 25.3 20.7 31.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.97 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001601.D

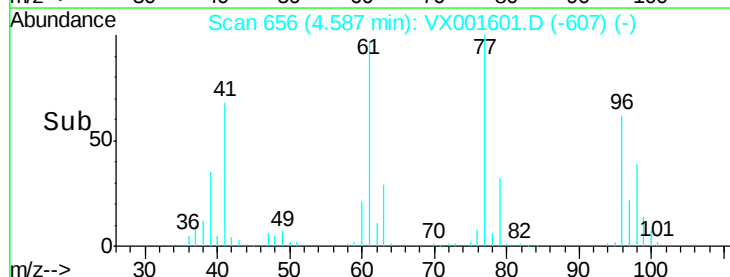
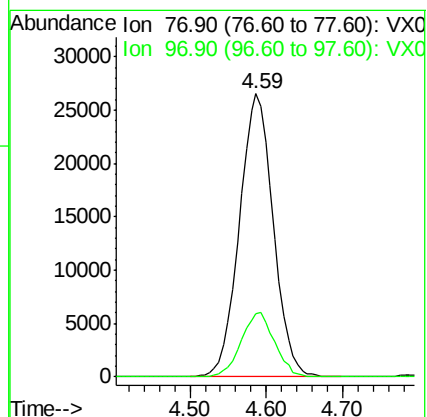
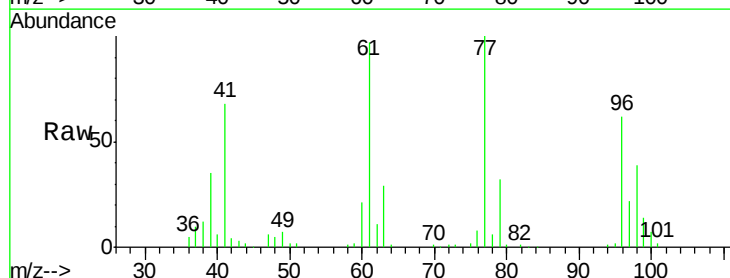
Acq: 10 May 2018 14:49

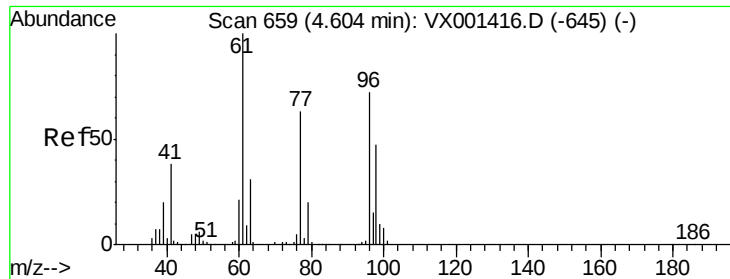
Tgt Ion: 77 Resp: 81491

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

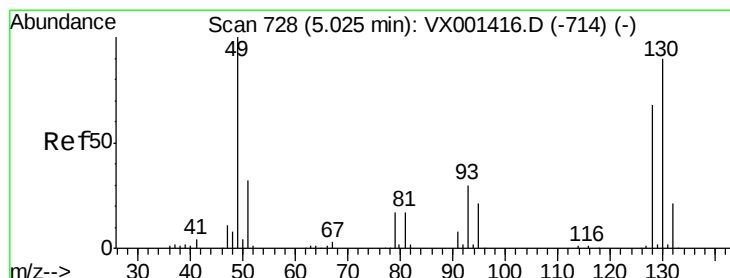
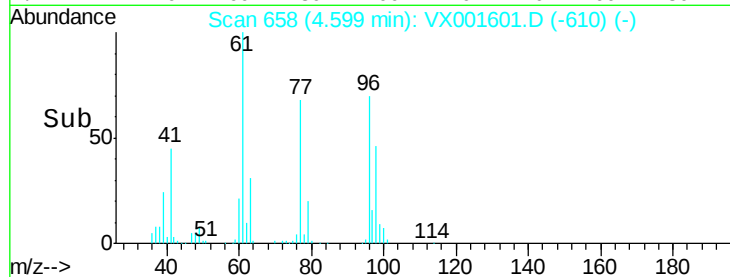
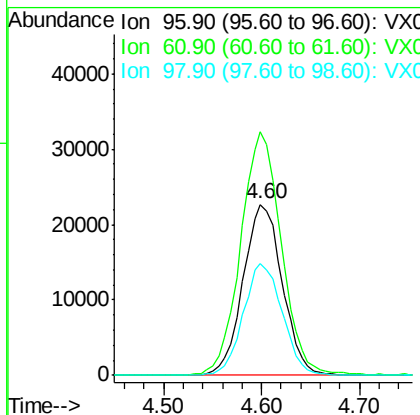
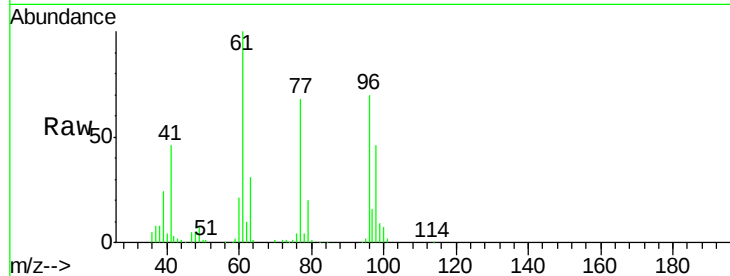
cis-1,2-Dichloroethene
 Concen: 20.51 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	301.6
98	65.4	0.0	131.6

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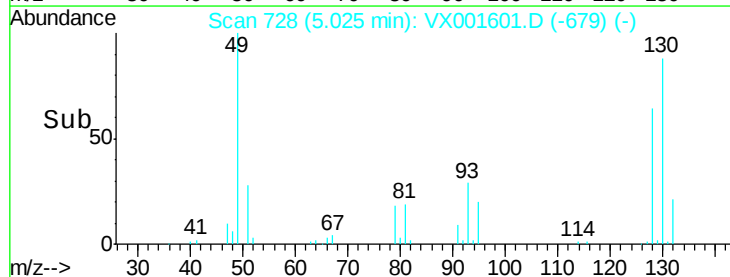
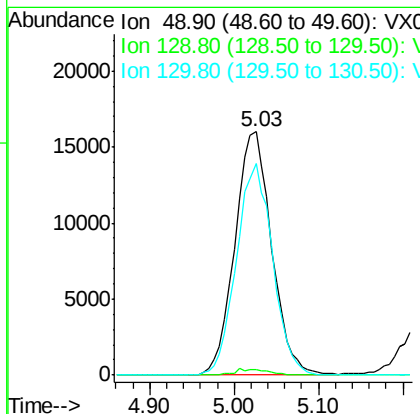
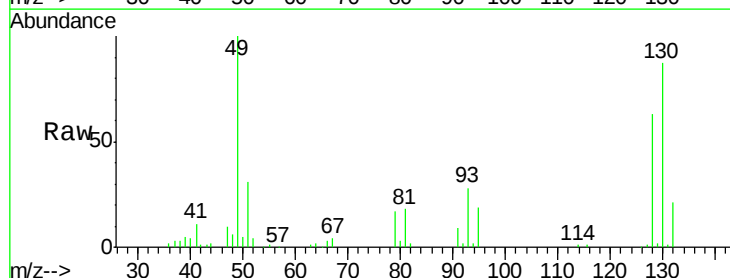
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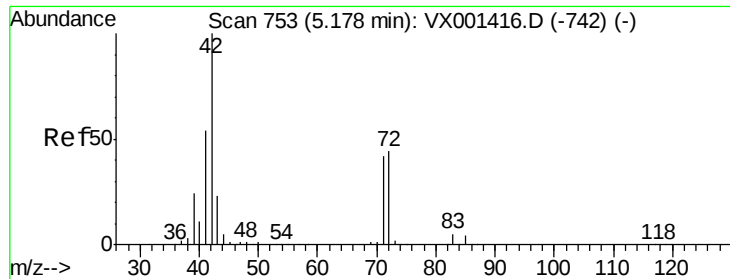


#28

Bromochloromethane
 Concen: 21.70 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	85.4	71.9	107.9





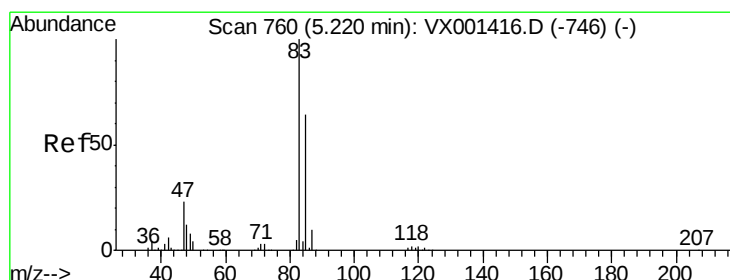
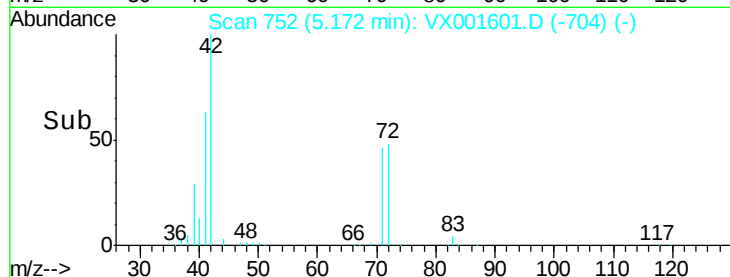
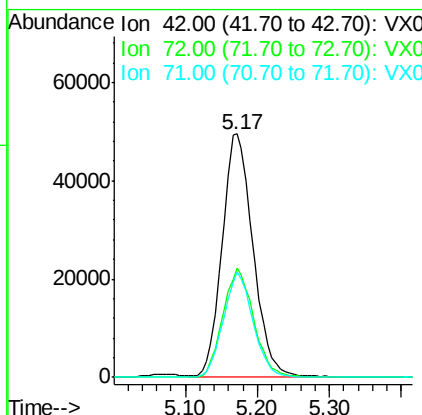
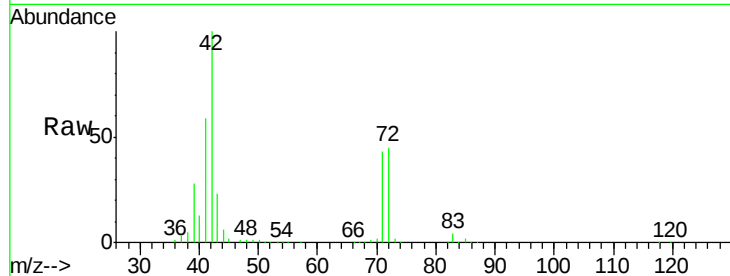
#29
Tetrahydrofuran
Concen: 104.05 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.4	53.2
71	42.1	33.0	49.4

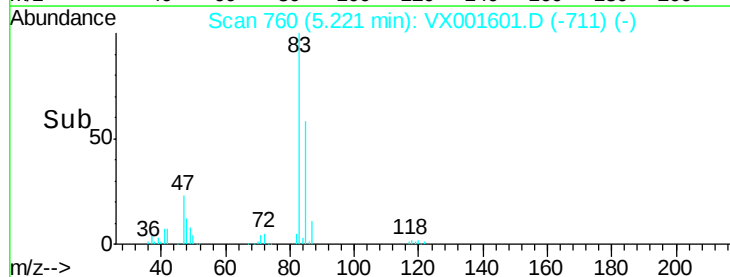
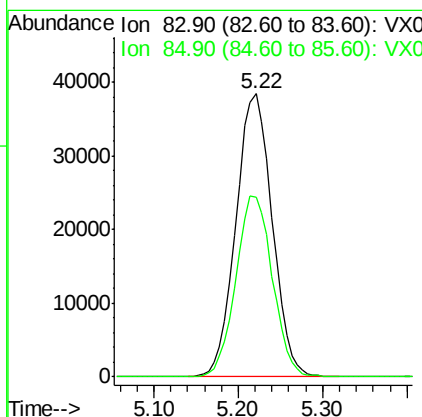
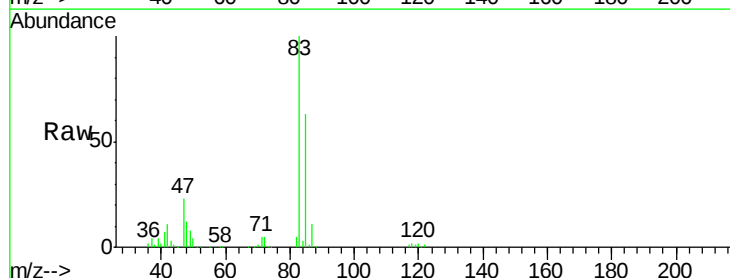
Manual Integrations
APPROVED

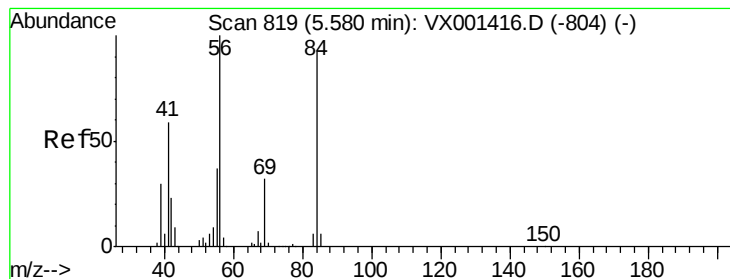
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#30
Chloroform
Concen: 21.61 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4





#31

Cyclohexane

Concen: 19.76 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 56 Resp: 85396

Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.0

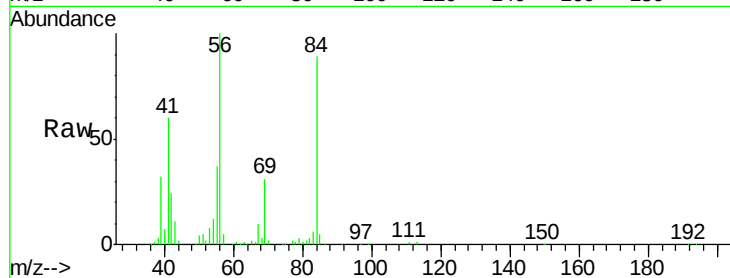
84 87.2 73.8 110.8

Manual Integrations

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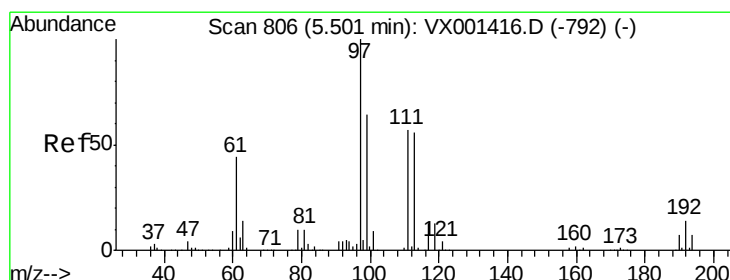
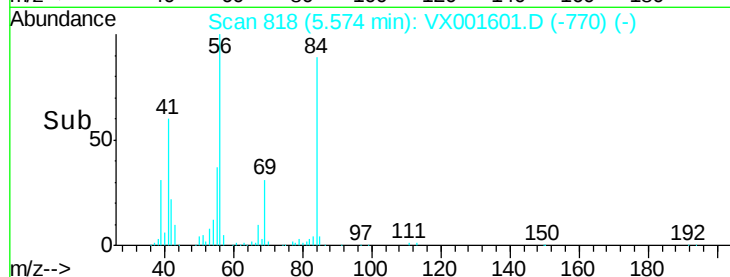
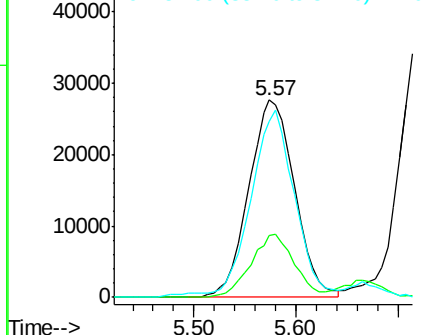
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.97 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

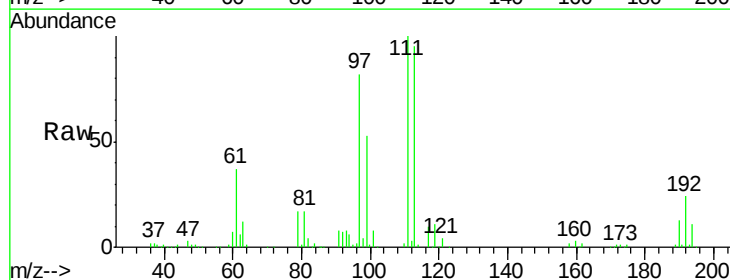
Tgt Ion: 97 Resp: 94989

Ion Ratio Lower Upper

97 100

99 64.5 51.3 76.9

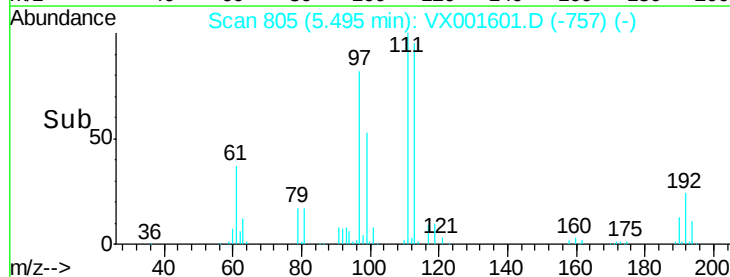
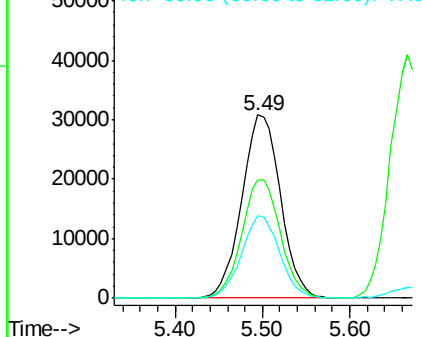
61 44.3 34.8 52.2

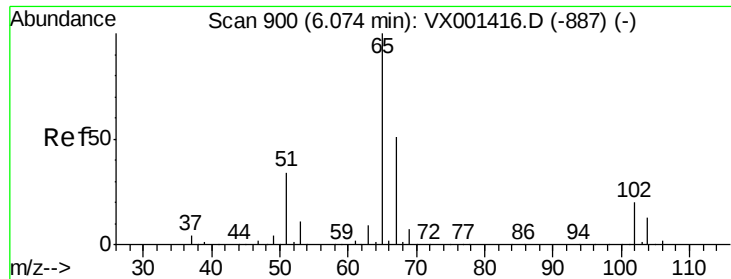


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





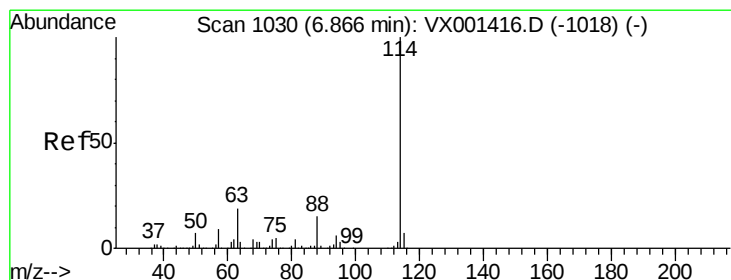
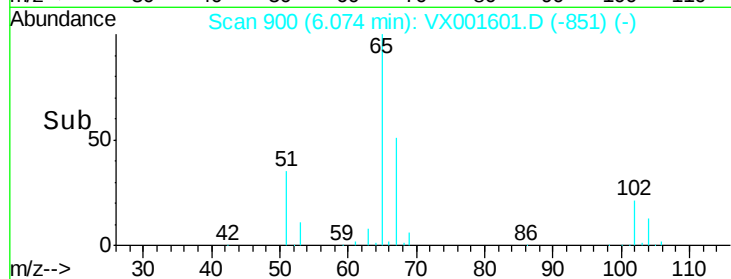
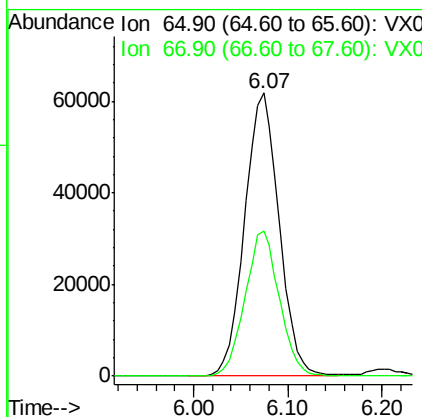
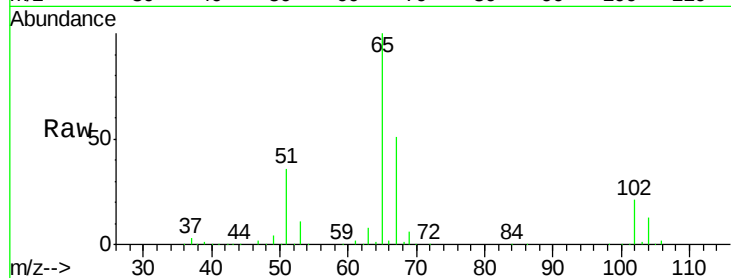
#33
 1,2-Dichloroethane-d4
 Concen: 47.16 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	158398		
67	50.9	0.0	101.8	

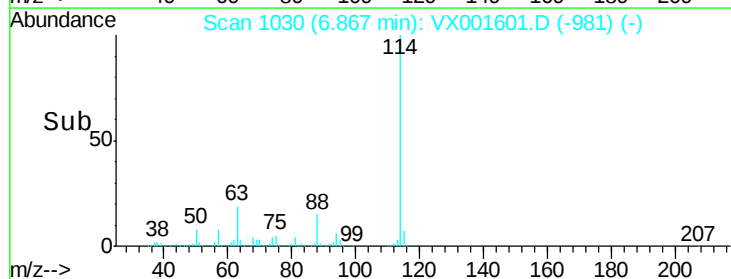
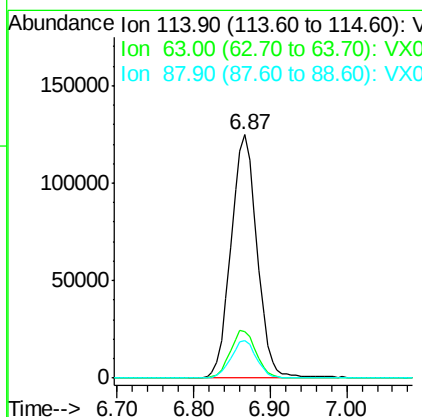
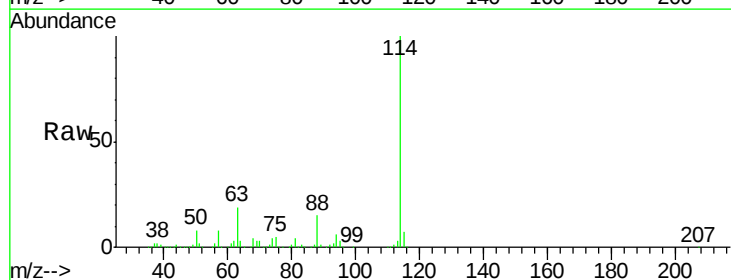
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295374		
63	19.1	0.0	38.6	
88	15.4	0.0	30.8	





#35

Dibromofluoromethane

Concen: 48.31 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

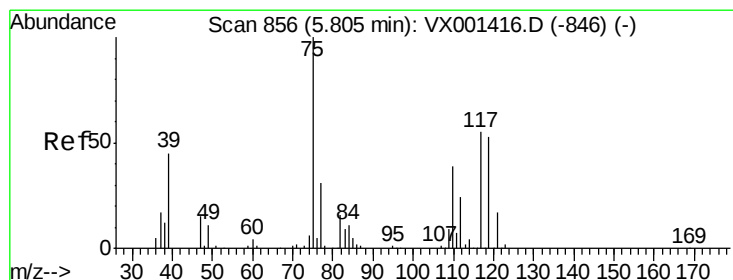
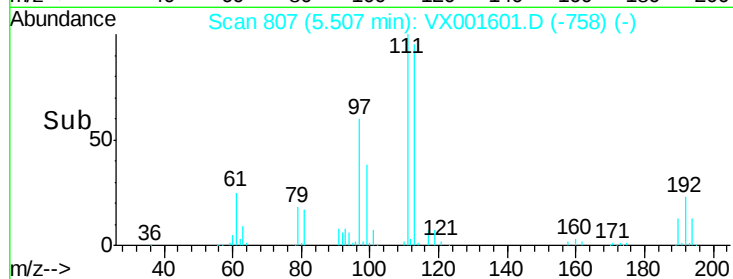
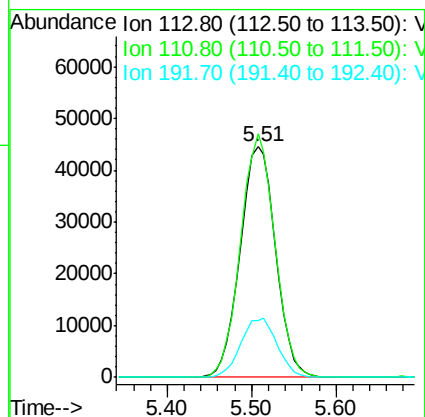
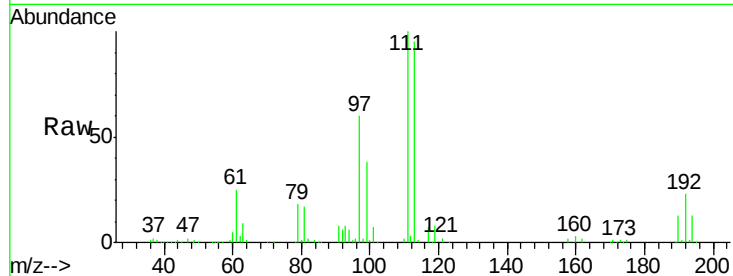
ClientSampleId :

VX0510MBS01

Tot Ion:	113	Resp:	126933
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.2
192	26.1	21.4	32.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.22 ug/l

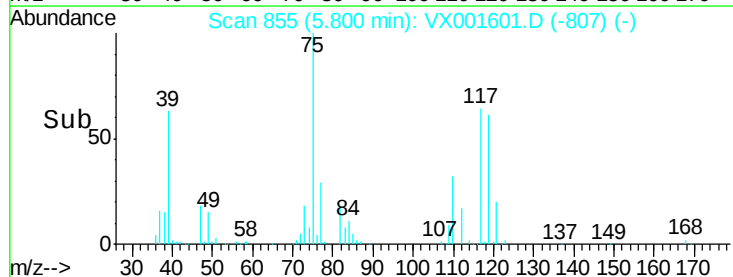
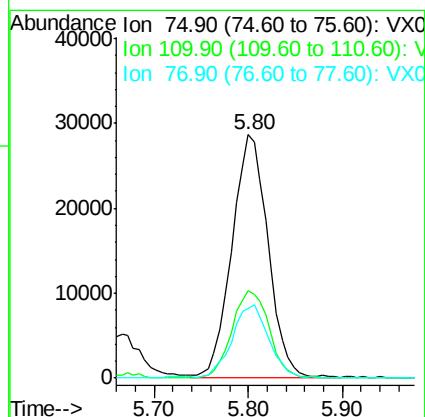
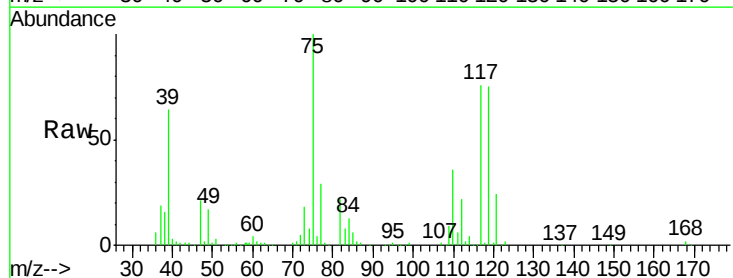
RT: 5.80 min Scan# 855

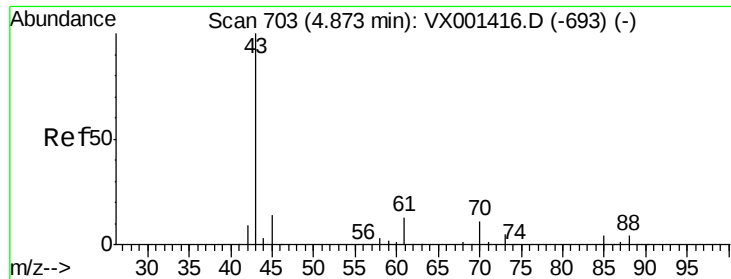
Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion:	75	Resp:	75960
Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.9	56.7
77	30.7	24.9	37.3





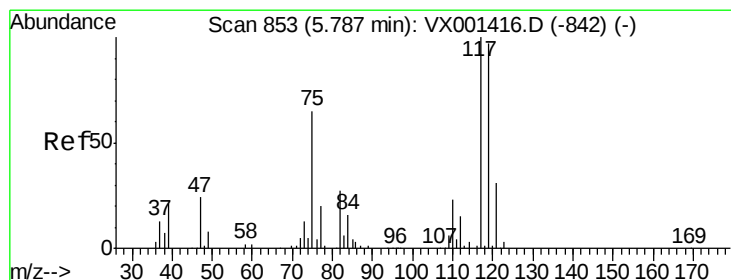
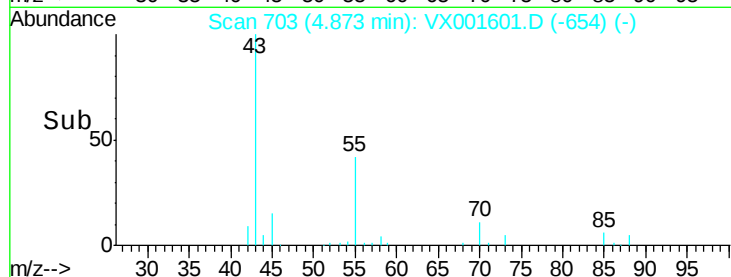
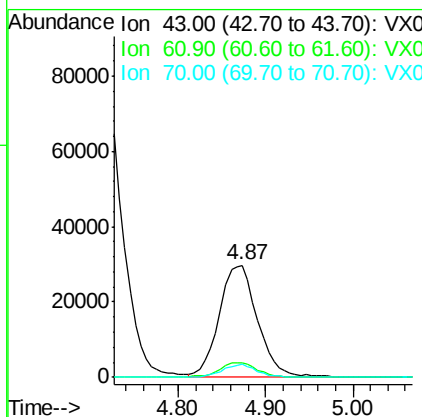
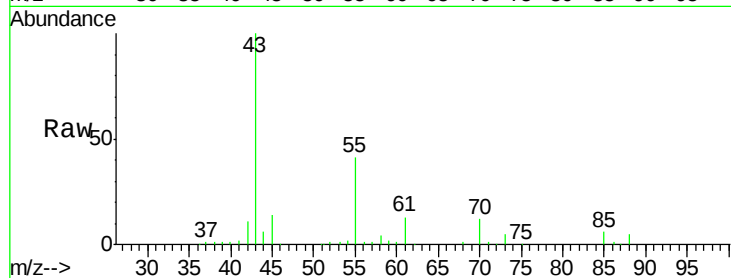
#37
Ethyl Acetate
Concen: 21.73 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	43	Resp	89500
Ion Ratio	100	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.4	8.4	12.6

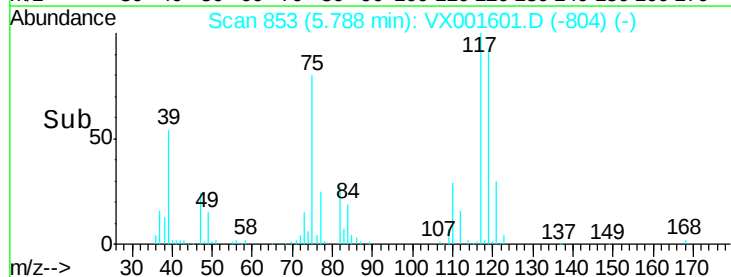
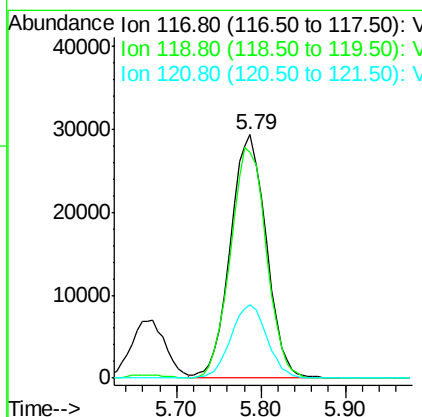
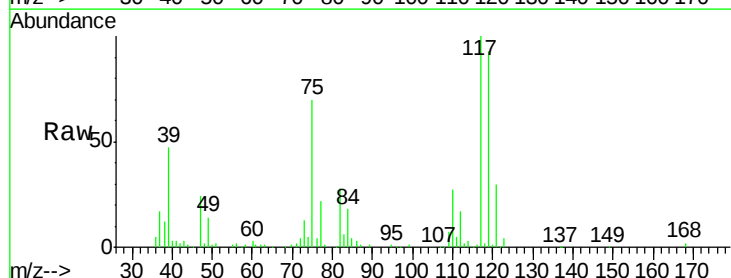
Manual Integrations
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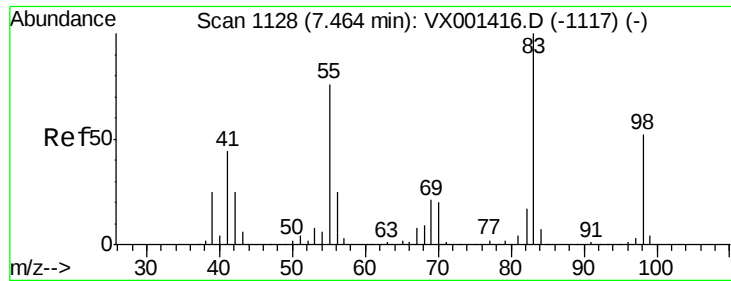
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#38
Carbon Tetrachloride
Concen: 21.18 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	117	Resp	84882
Ion Ratio	100	Lower	Upper
117	100		
119	92.6	77.0	115.6
121	30.0	25.1	37.7





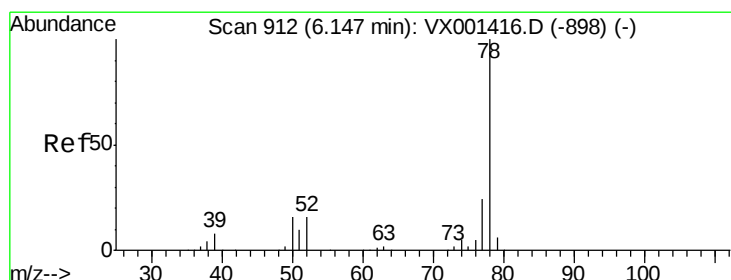
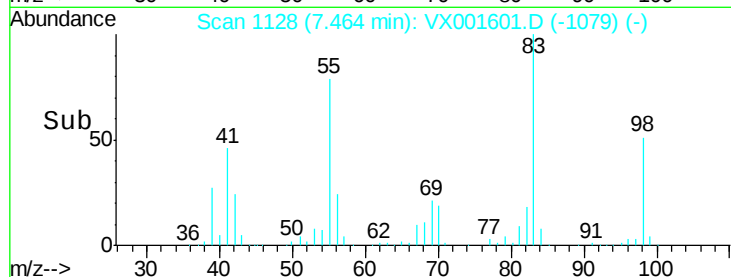
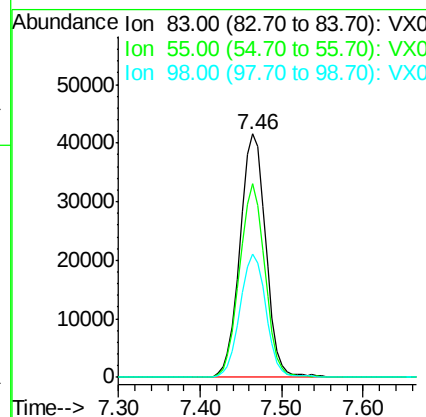
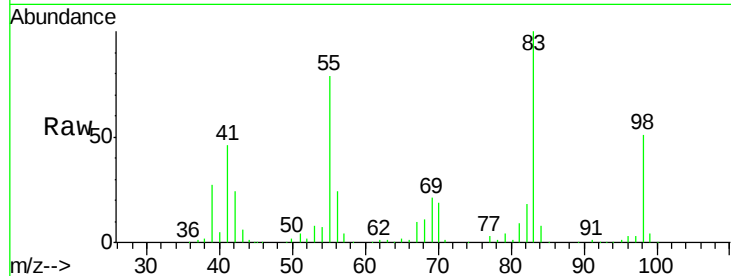
#39
Methvlcvclohexane
Concen: 20.43 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	60.9	91.3
98	50.6	41.9	62.9

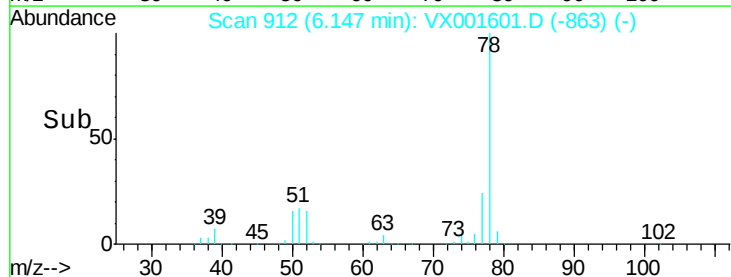
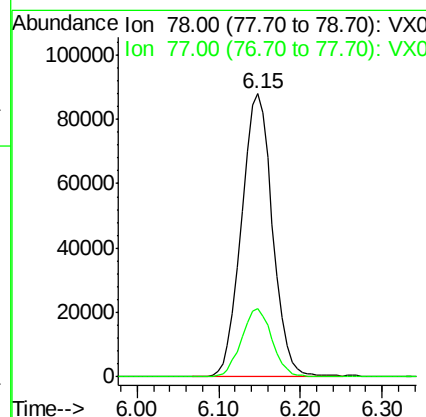
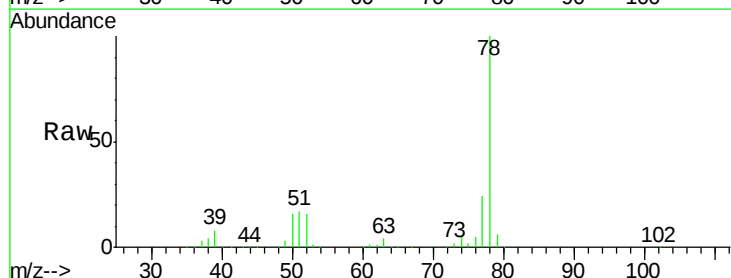
Manual Integrations
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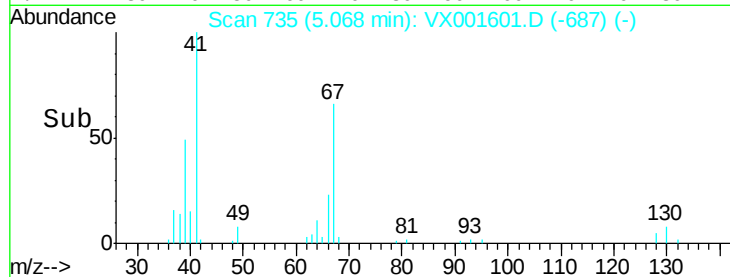
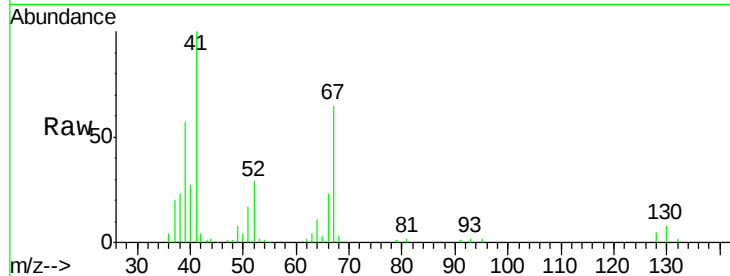
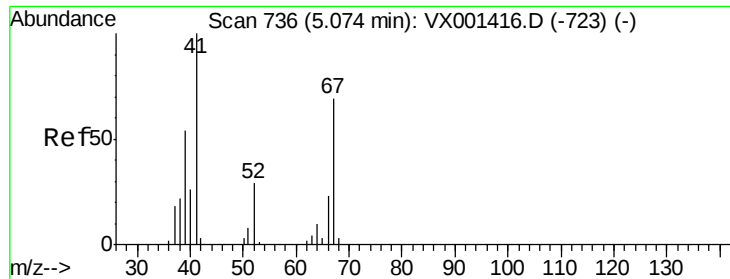
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#40
Benzene
Concen: 21.15 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.2





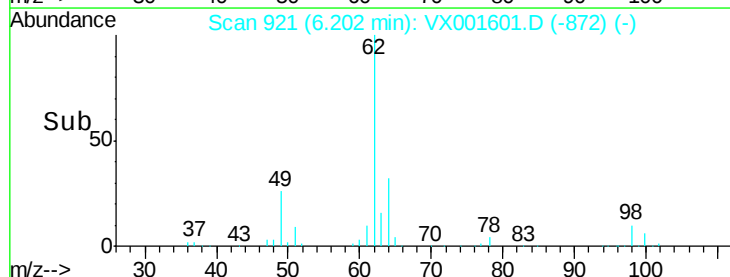
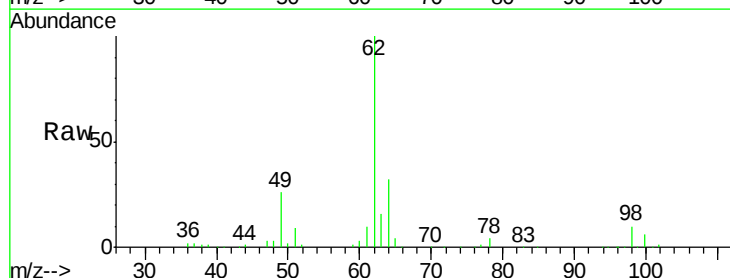
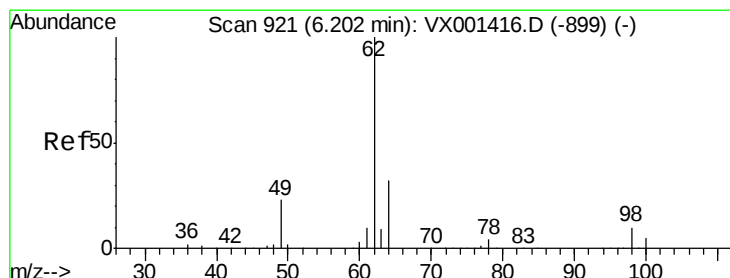
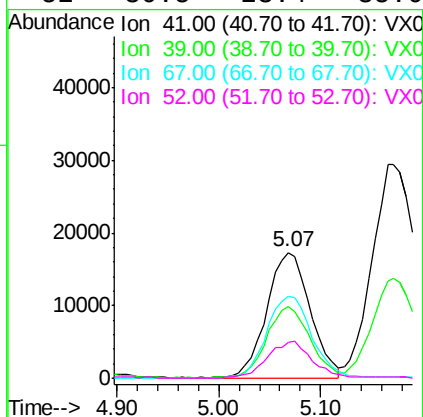
#41
Methacrylonitrile
Concen: 21.62 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tot Ion:	41	Resp:	50943
Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.0	67.6
67	68.2	55.0	82.6
52	30.5	23.4	35.0

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

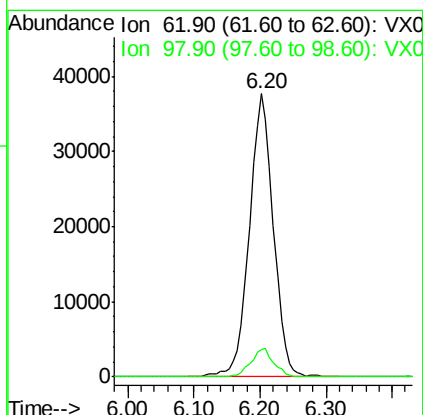
Manual Integrations
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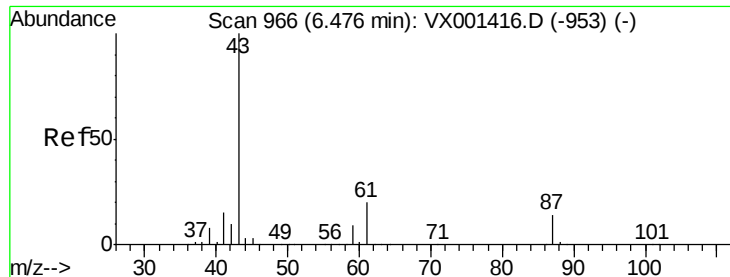
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#42
1,2-Dichloroethane
Concen: 22.66 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion:	62	Resp:	95593
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0





#43

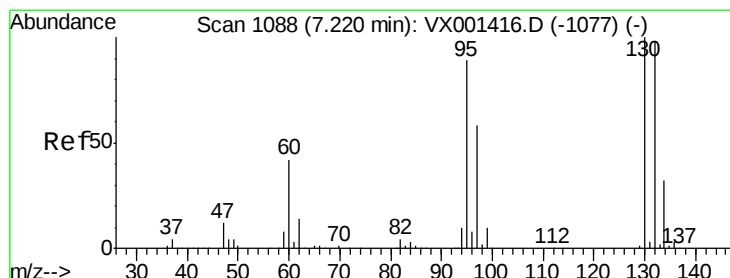
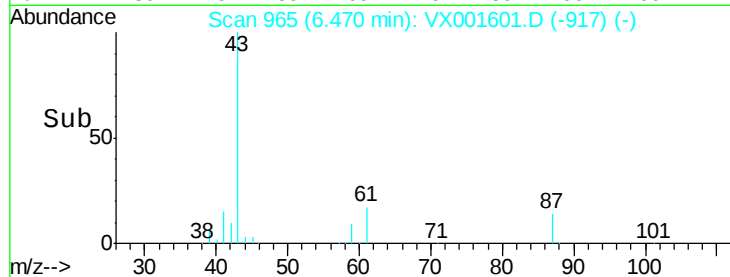
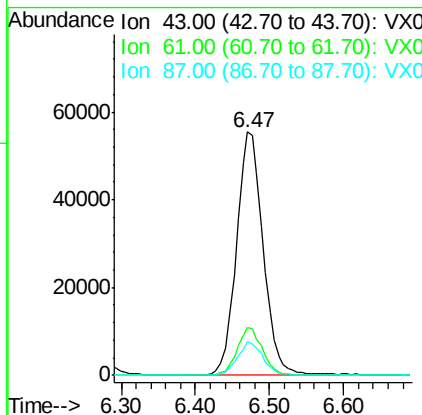
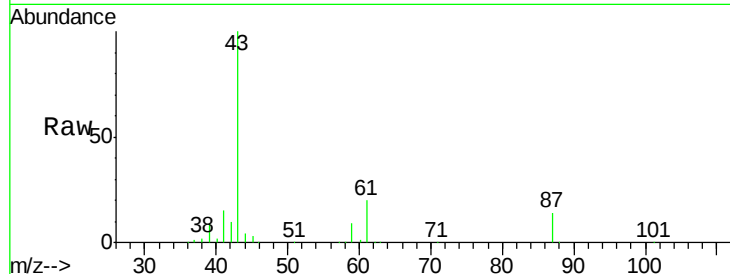
Isopropyl Acetate
 Concen: 21.93 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	13.3	10.8	16.2

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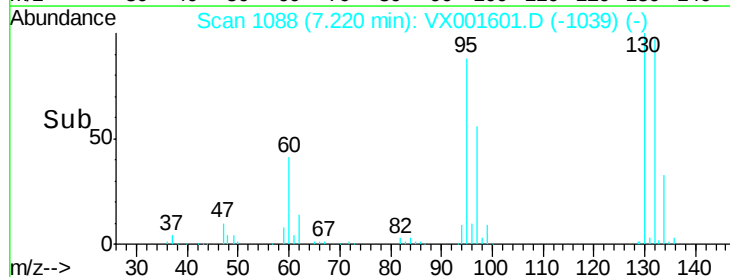
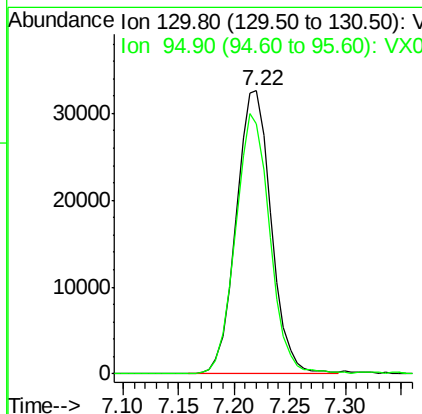
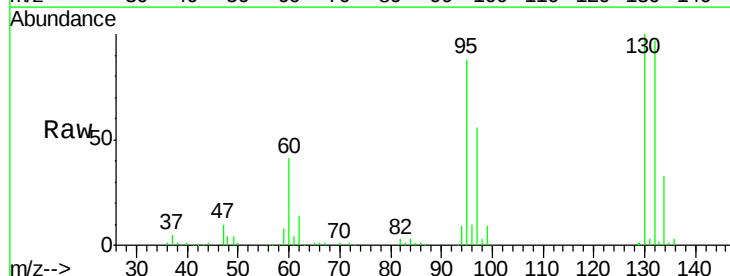
apatel
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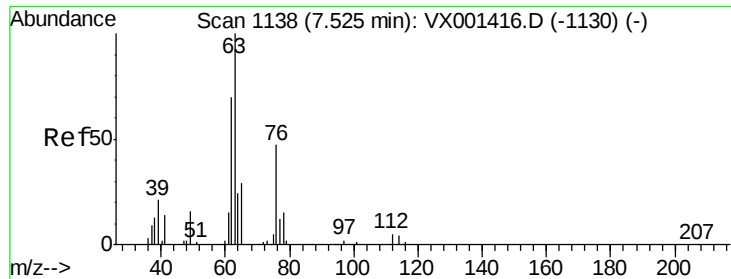


#44

Trichloroethene
 Concen: 21.20 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	178.4





#45

1,2-Dichloropropane

Concen: 21.98 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 63 Resp: 60144

Ion Ratio Lower Upper

63 100

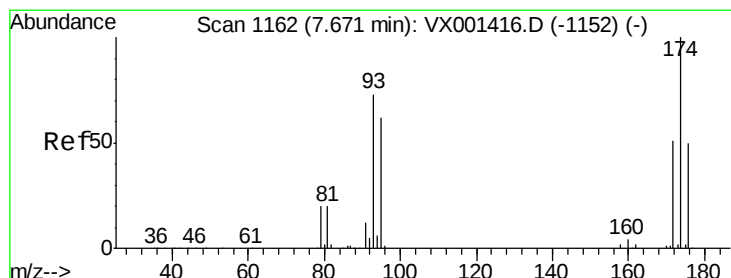
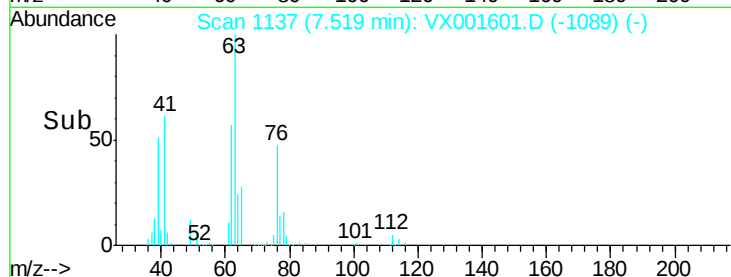
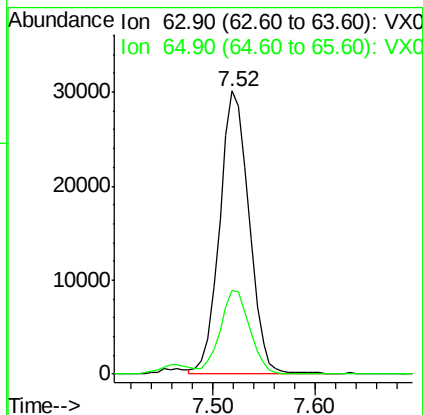
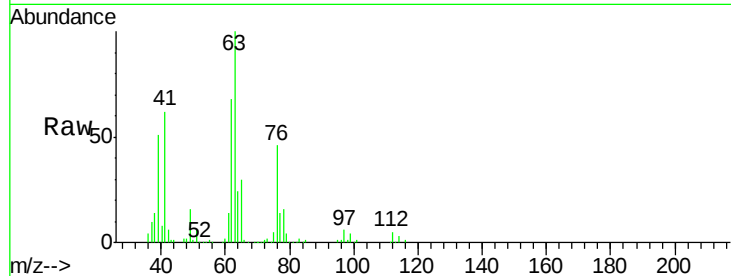
65 29.7 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 22.01 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

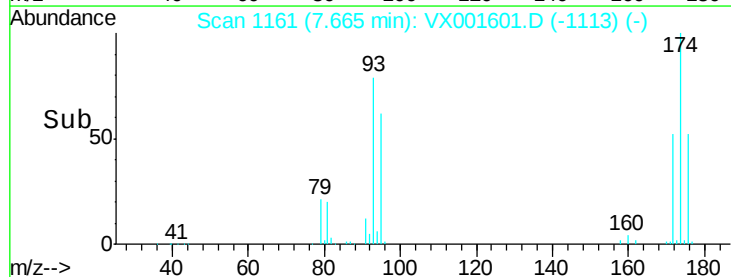
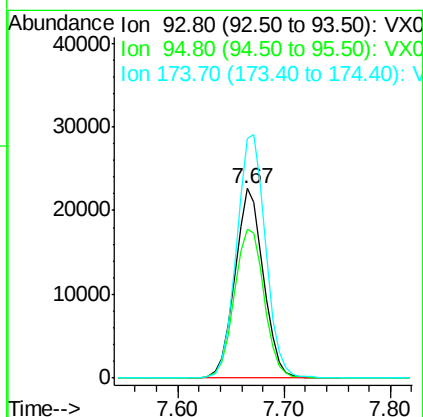
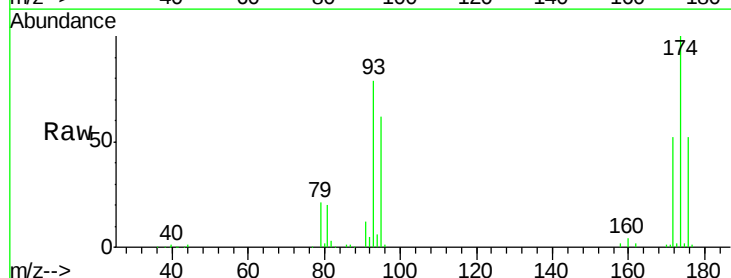
Tgt Ion: 93 Resp: 42627

Ion Ratio Lower Upper

93 100

95 82.5 67.0 100.4

174 130.8 104.5 156.7





#47

Bromodichloromethane

Concen: 21.76 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

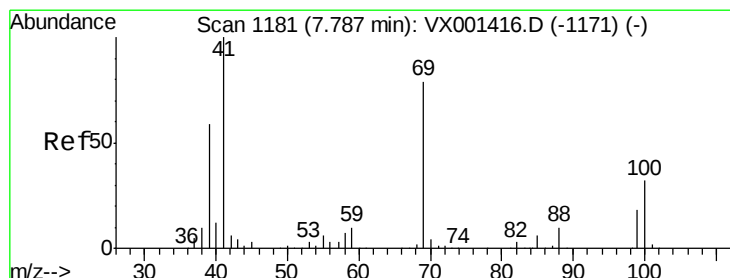
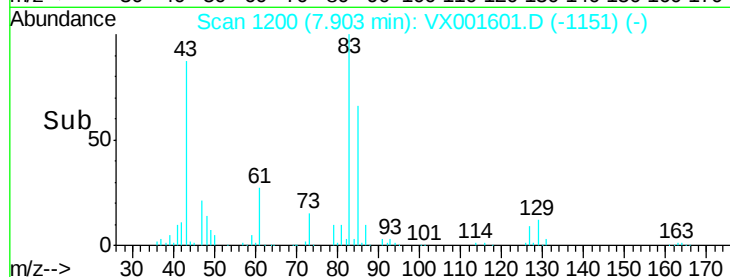
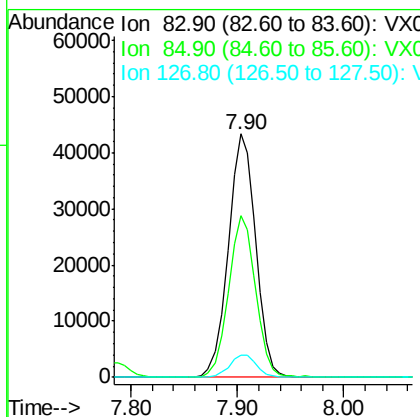
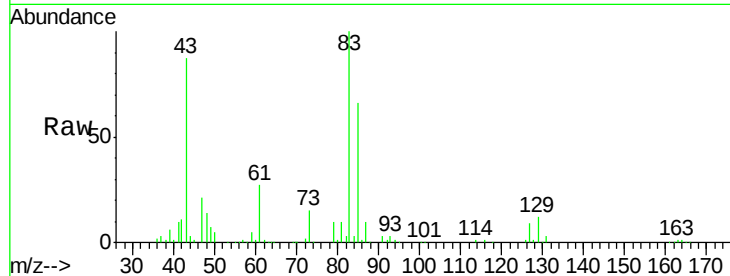
ClientSampleId :

VX0510MBS01

Tot Ion:	83	Resp:	77983
Ion Ratio	Lower	Upper	
83	100		
85	66.2	51.0	76.6
127	8.9	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.63 ug/l

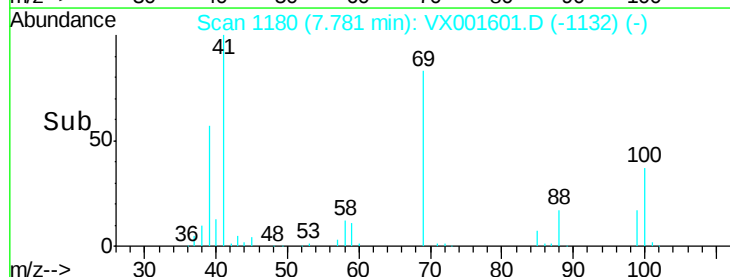
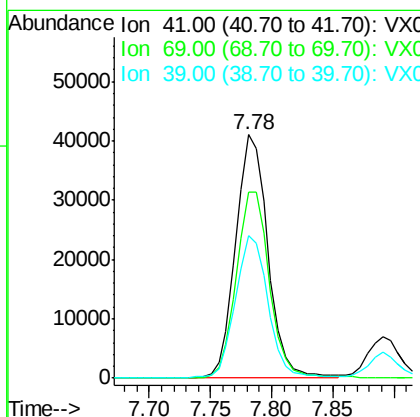
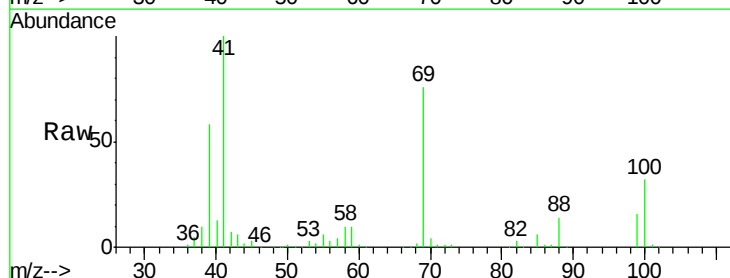
RT: 7.78 min Scan# 1180

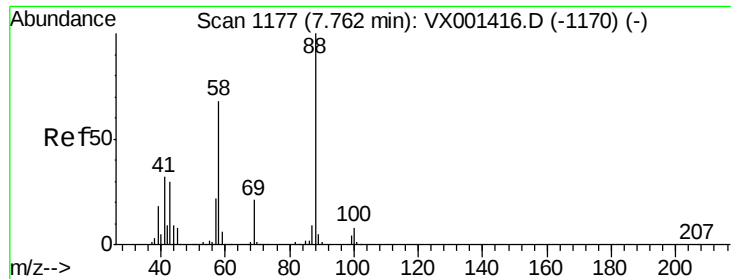
Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion:	41	Resp:	74477
Ion Ratio	Lower	Upper	
41	100		
69	79.6	63.4	95.2
39	60.0	47.0	70.4





#49

1,4-Dioxane

Concen: 441.62 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

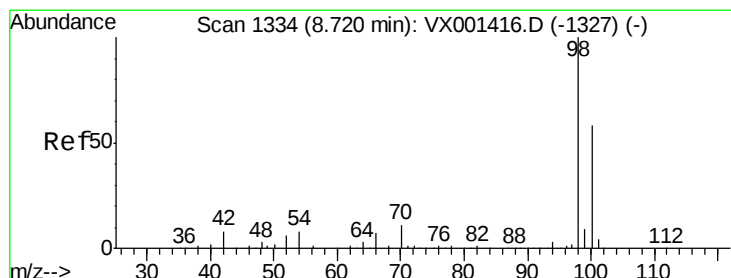
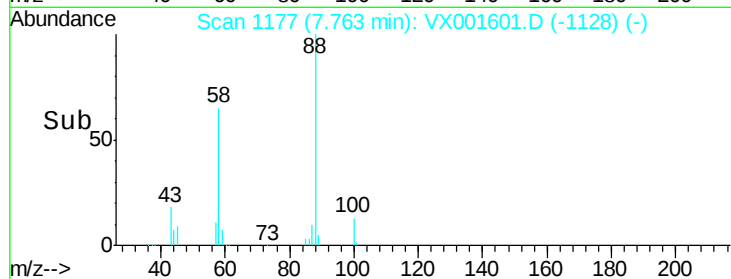
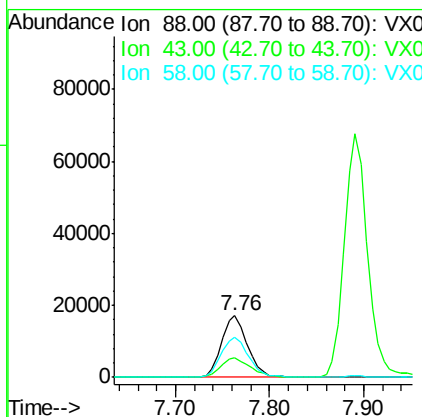
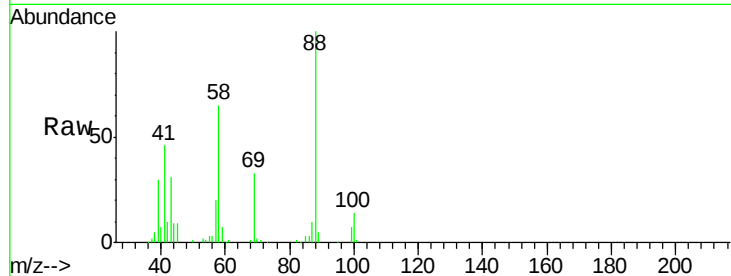
ClientSampleId :

VX0510MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	26.4	39.6
58	69.4	54.1	81.1

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#50

Toluene-d8

Concen: 46.38 ug/l

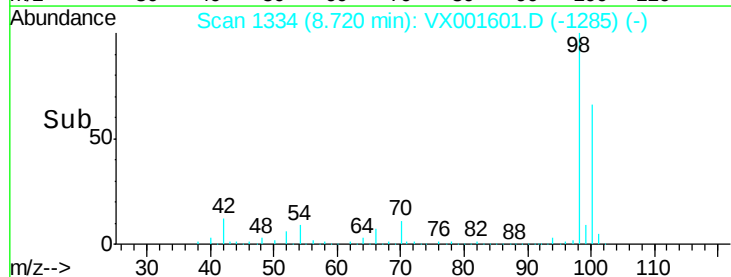
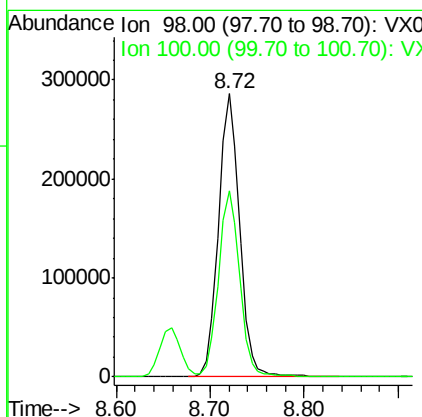
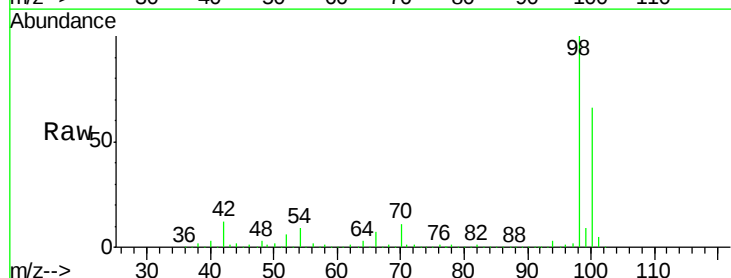
RT: 8.72 min Scan# 1334

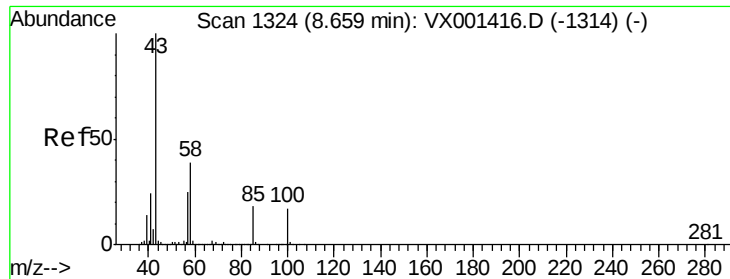
Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	54.0	81.0





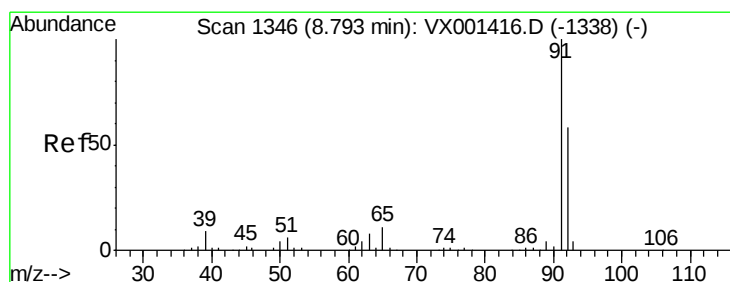
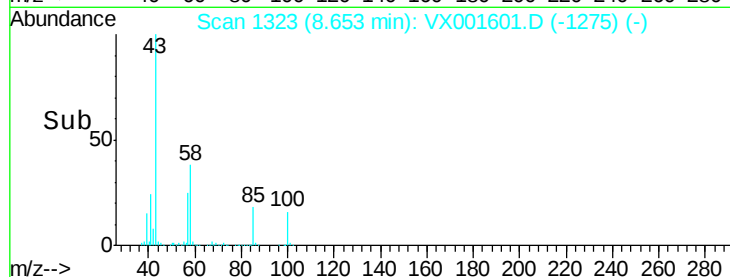
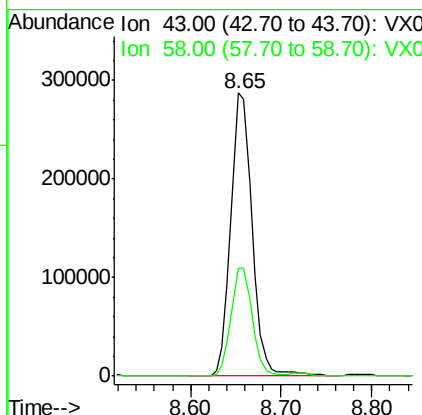
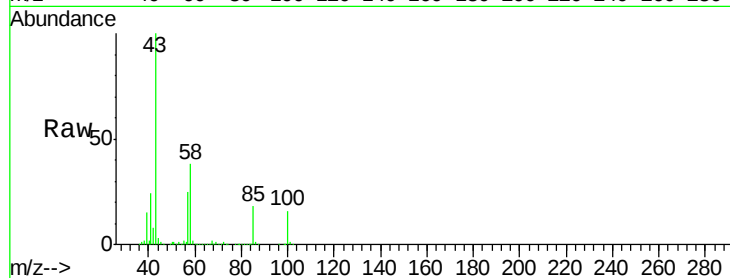
#51
4-Methyl-2-Pentanone
Concen: 112.49 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2

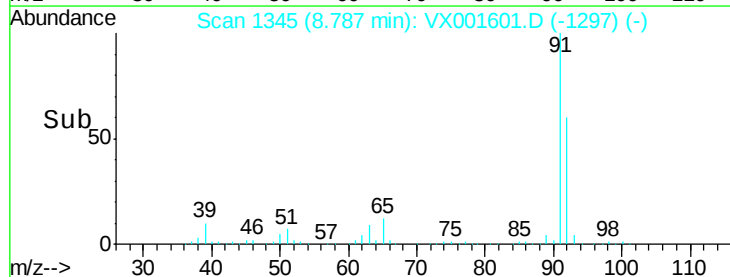
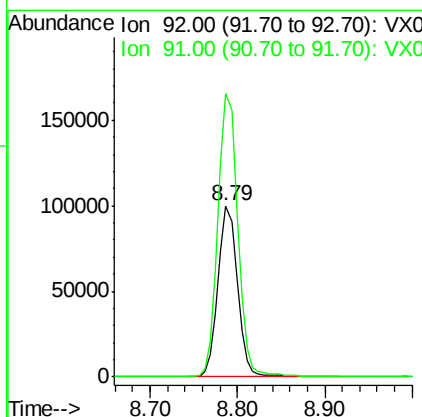
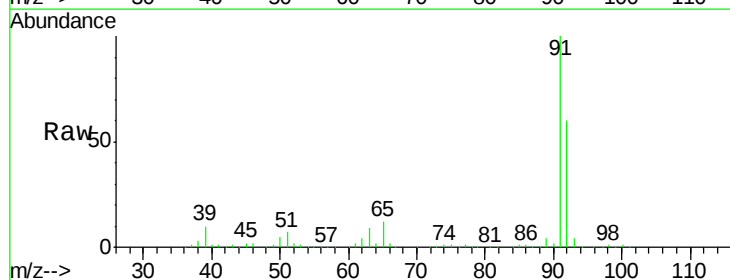
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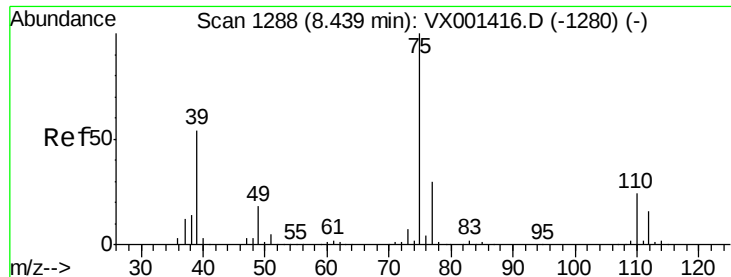
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#52
Toluene
Concen: 21.54 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.0	135.2	202.8





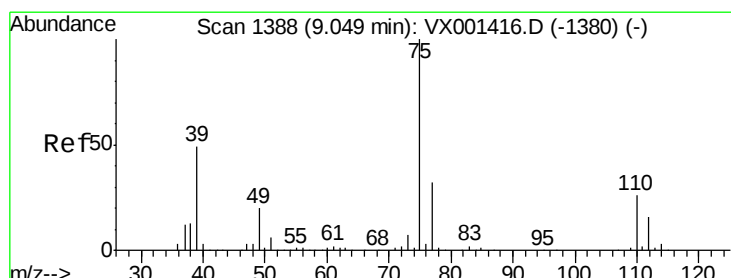
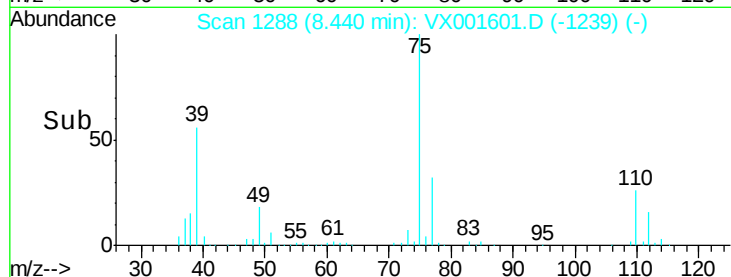
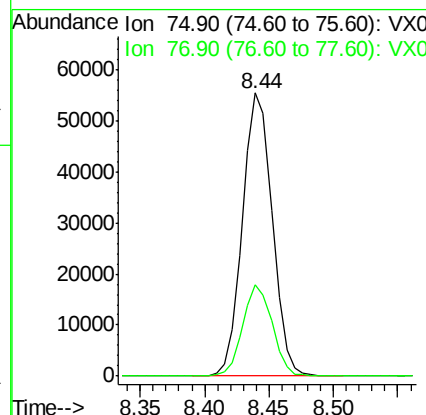
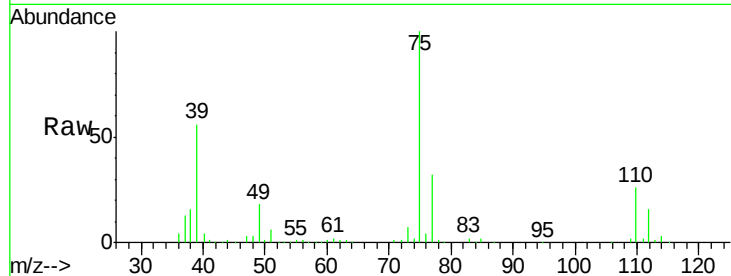
#53
t-1,3-Dichloropropene
Concen: 21.89 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion: 75 Resp: 88696
Ion Ratio Lower Upper
75 100
77 32.2 24.2 36.4

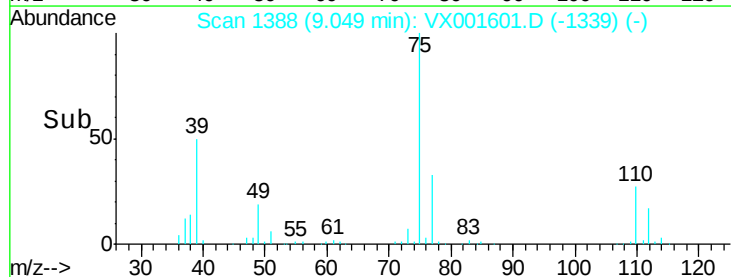
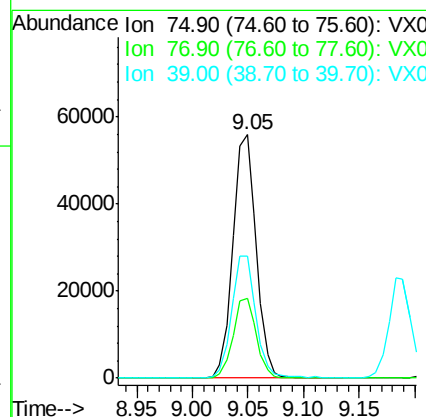
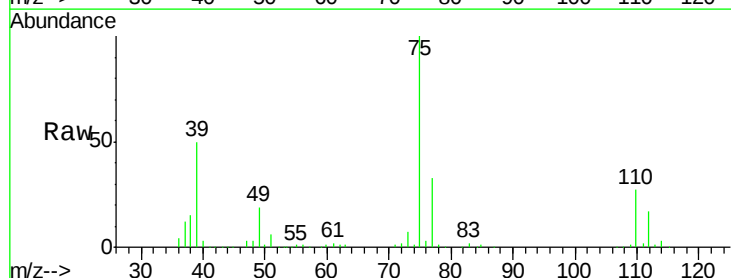
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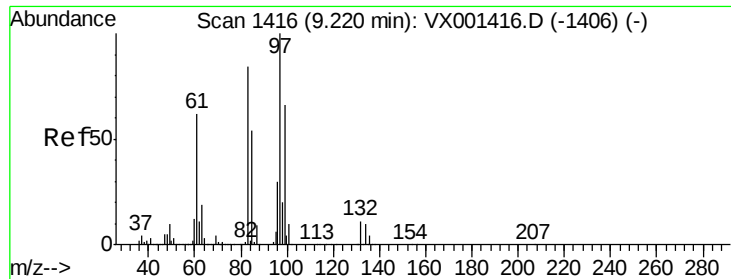
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#54
cis-1,3-Dichloropropene
Concen: 20.69 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion: 75 Resp: 80858
Ion Ratio Lower Upper
75 100
77 32.9 25.5 38.3
39 49.9 38.9 58.3





#55

1,1,2-Trichloroethane

Concen: 22.24 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

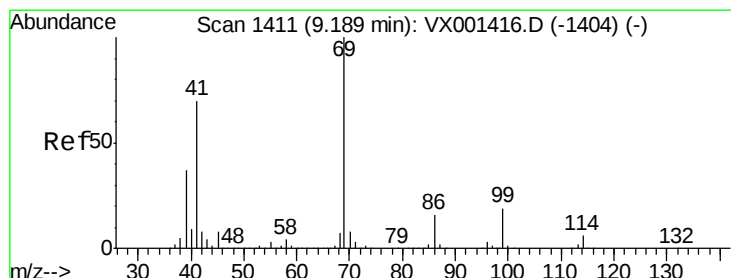
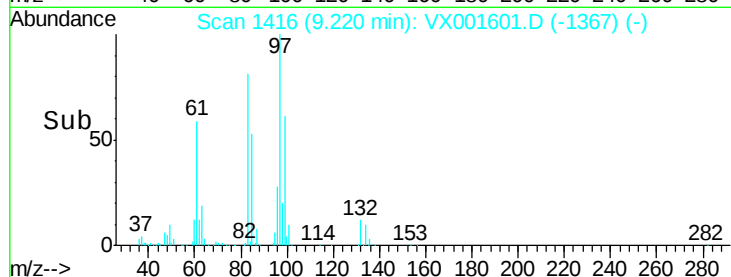
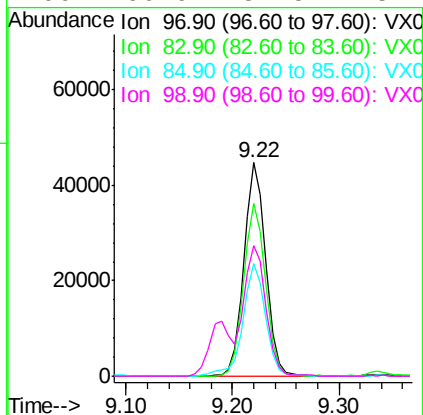
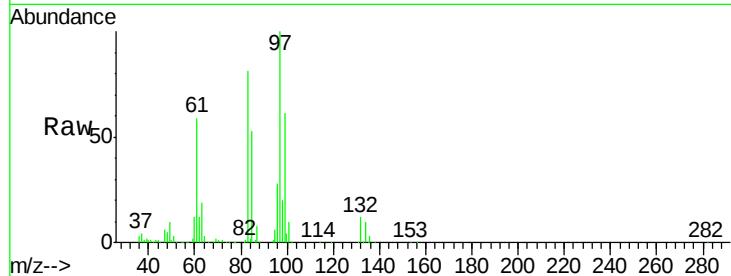
ClientSampleId :

VX0510MBS01

Tot Ion:	97	Resp:	64294
Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.4	101.0
85	52.8	43.3	64.9
99	60.9	52.5	78.7

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#56

Ethyl methacrylate

Concen: 21.06 ug/l

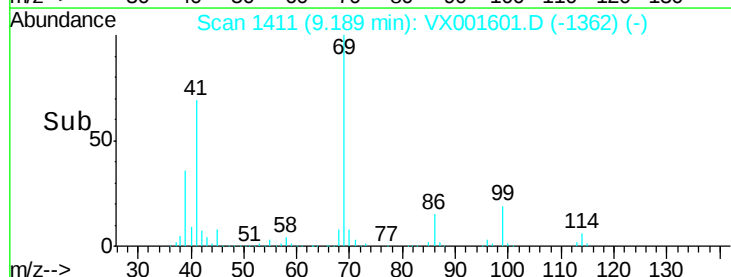
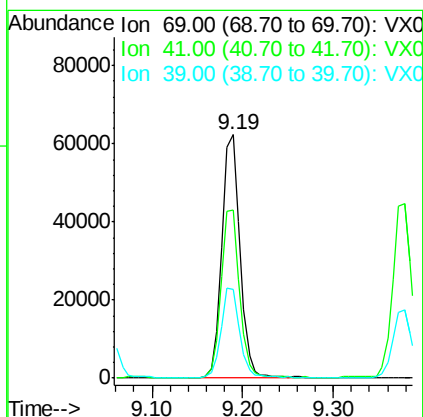
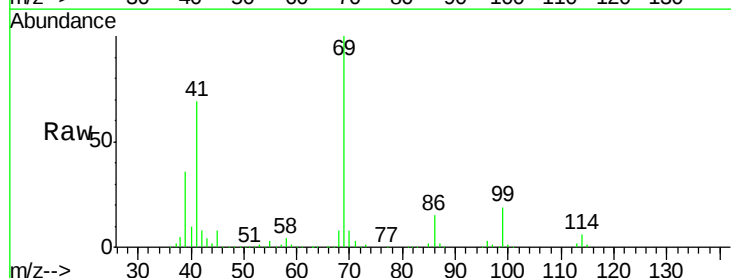
RT: 9.19 min Scan# 1411

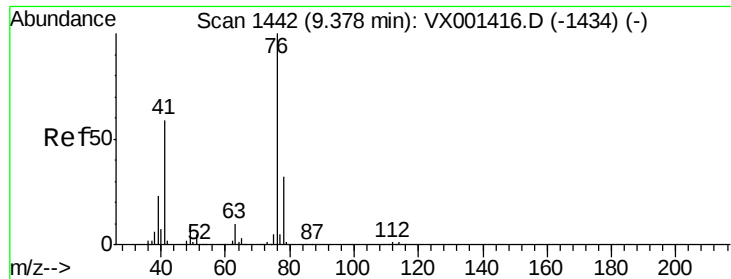
Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion:	69	Resp:	87783
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.1	82.7
39	37.5	29.9	44.9





#57

1,3-Dichloropropane

Concen: 22.04 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 76 Resp: 105354

Ion Ratio Lower Upper

76 100

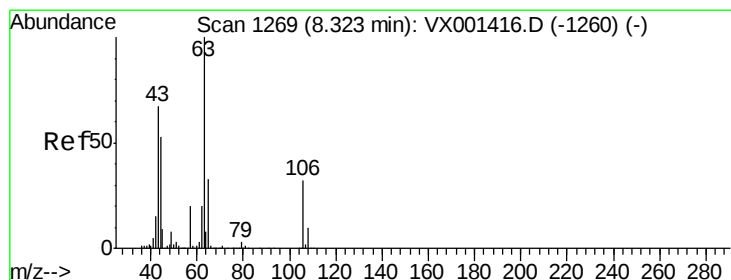
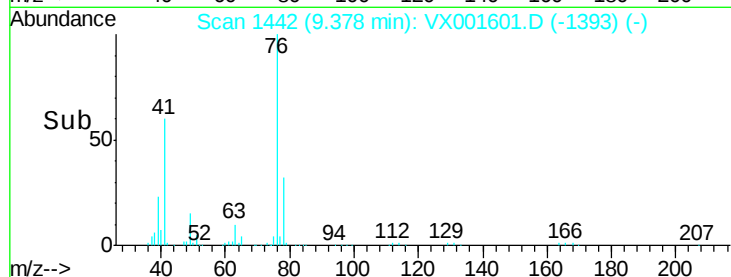
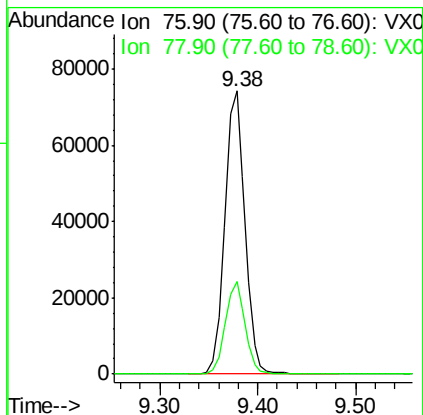
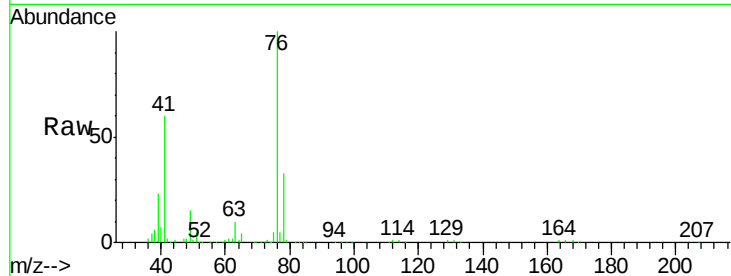
78 32.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 117.23 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001601.D

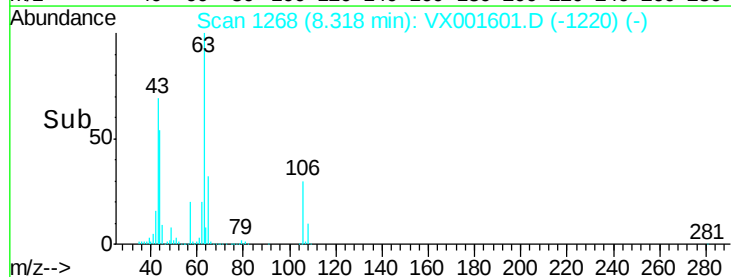
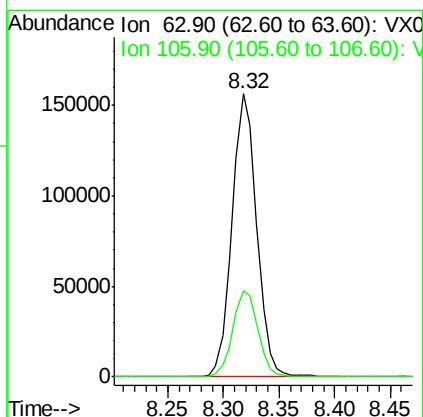
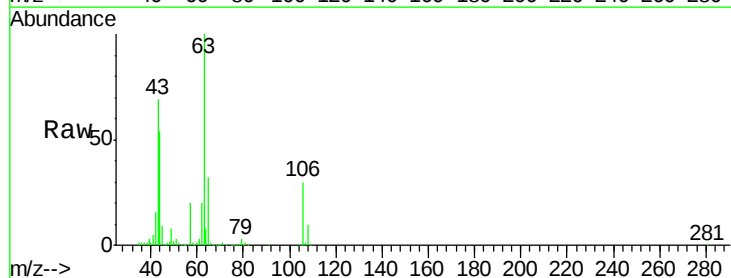
Acq: 10 May 2018 14:49

Tgt Ion: 63 Resp: 239607

Ion Ratio Lower Upper

63 100

106 31.3 25.4 38.0





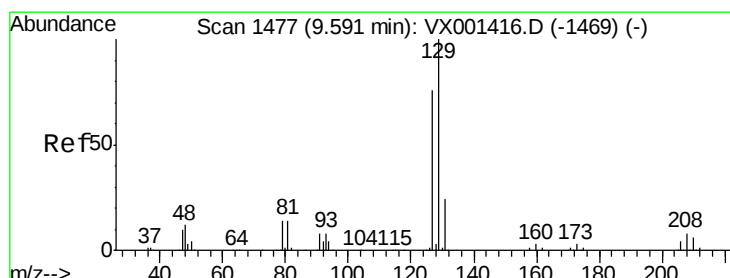
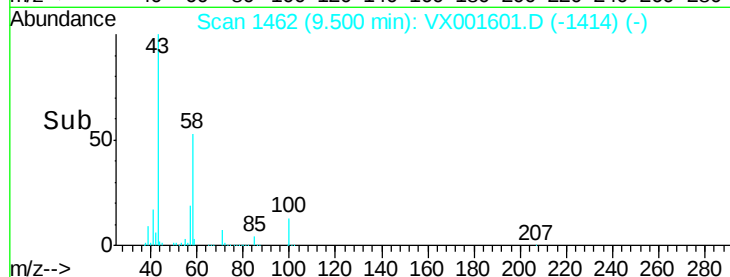
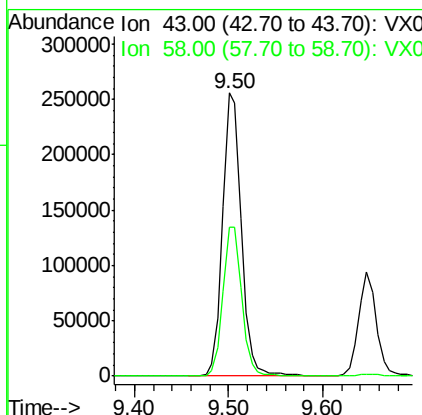
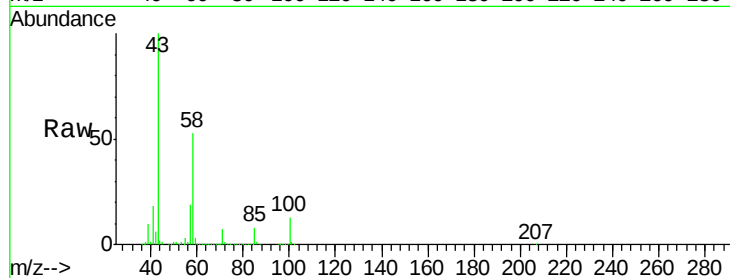
#59
2-Hexanone
Concen: 109.92 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	27.1	81.2

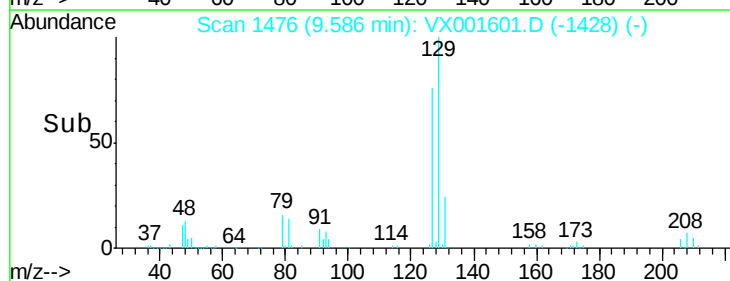
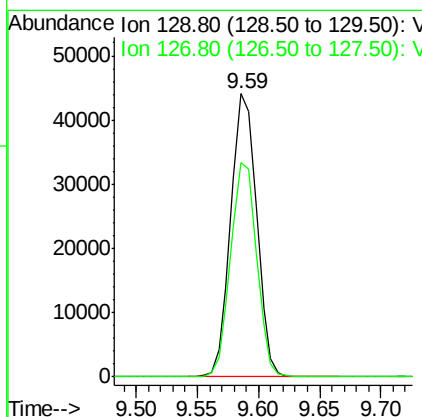
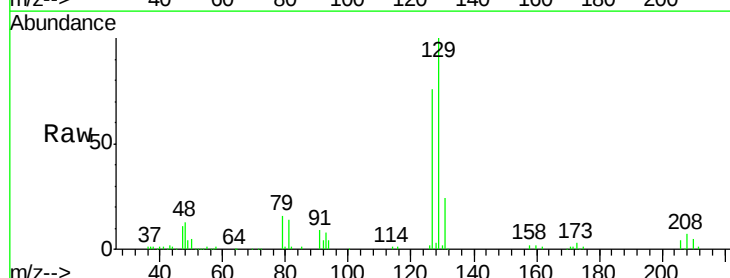
Manual Integrations
APPROVED

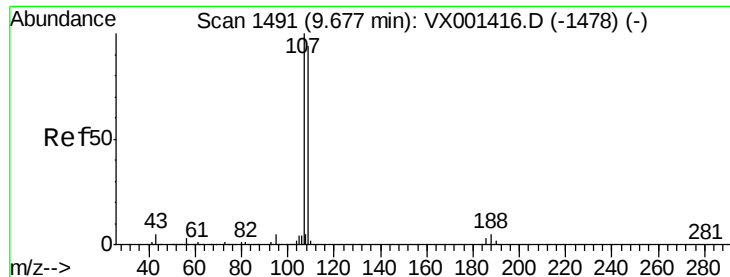
apatel
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#60
Dibromochloromethane
Concen: 21.81 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.1	114.5





#61

1,2-Dibromoethane

Concen: 21.56 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

VX0510MBS01

Tot Ion:107 Resp: 65449

Ion Ratio Lower Upper

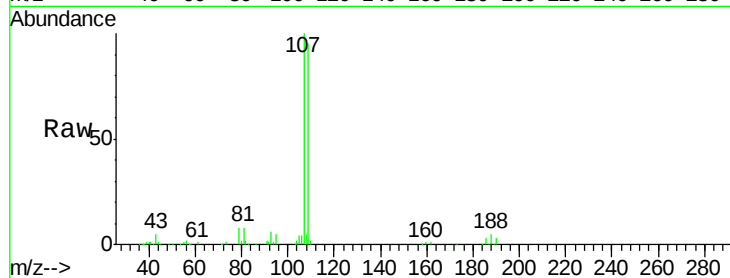
107 100

109 96.2 75.5 113.3

Manual Integrations
APPROVED

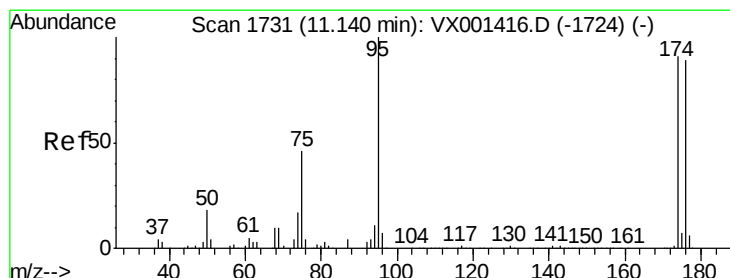
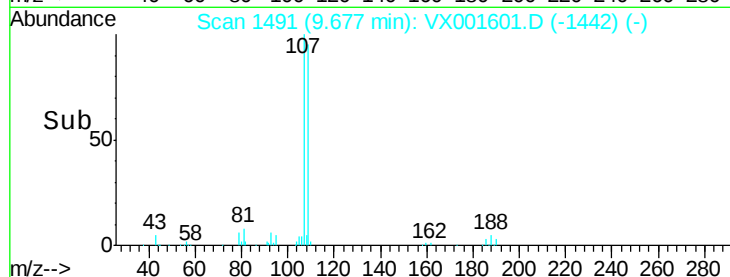
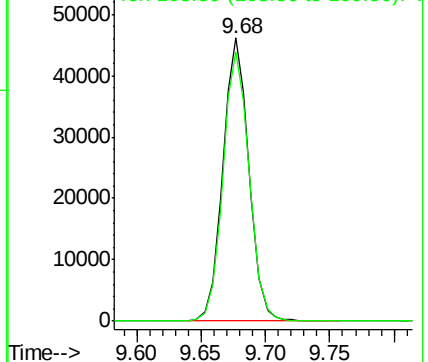
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

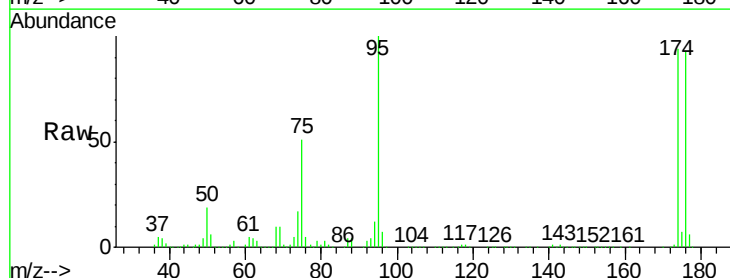
Tgt Ion: 95 Resp: 168376

Ion Ratio Lower Upper

95 100

174 100.7 0.0 202.0

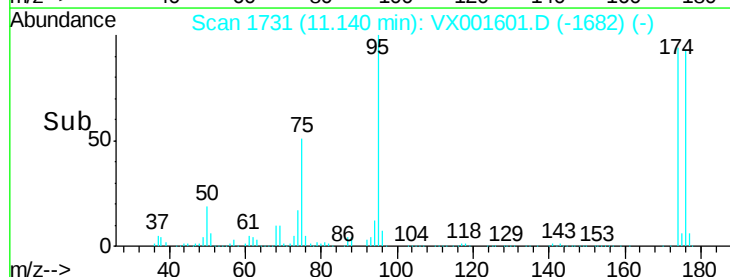
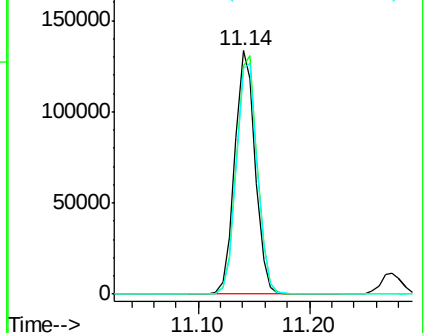
176 98.1 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





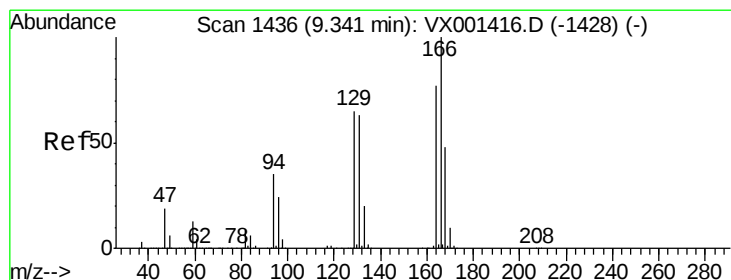
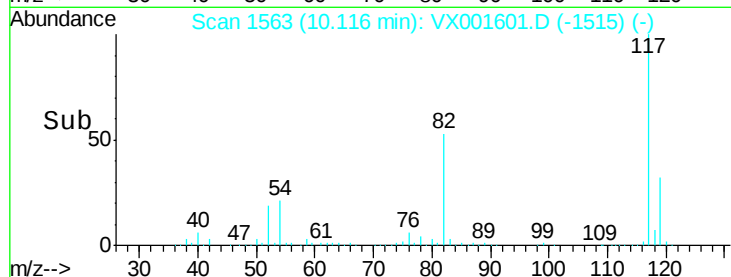
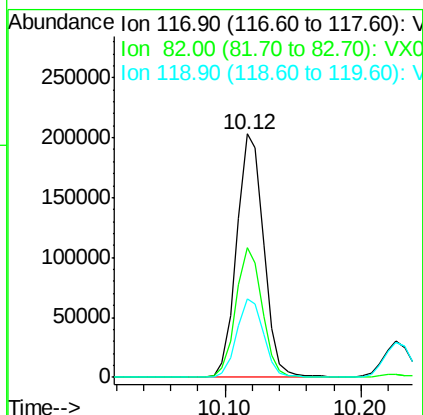
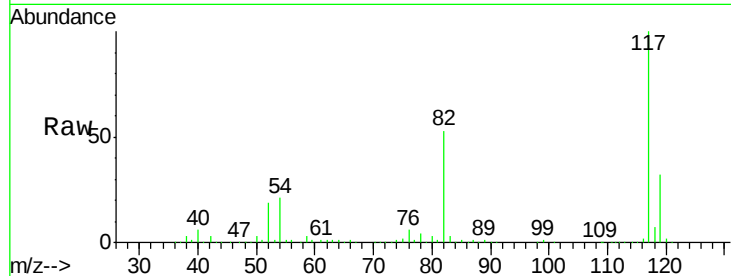
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampled :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	40.0	60.0
119	32.4	25.8	38.8

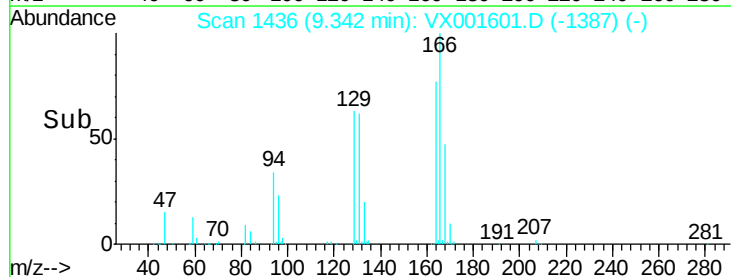
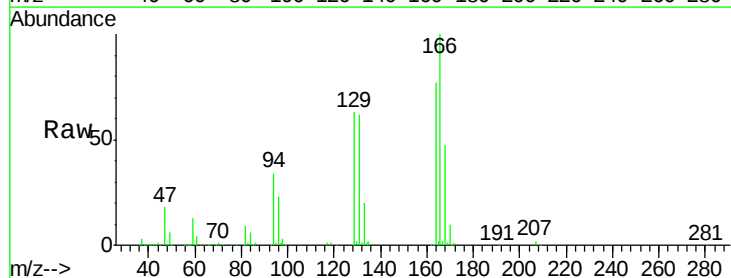
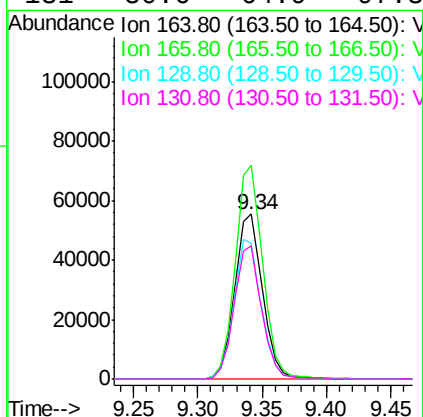
Manual Integrations
APPROVED

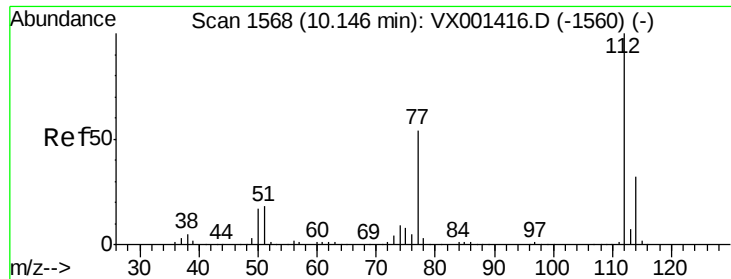
apatel
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#64
Tetrachloroethene
Concen: 21.20 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.5	155.3
129	82.1	66.7	100.1
131	80.6	64.9	97.3





#65

Chlorobenzene

Concen: 21.17 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

VX0510MBS01

Tot Ion:112 Resp: 174080

Ion Ratio Lower Upper

112 100

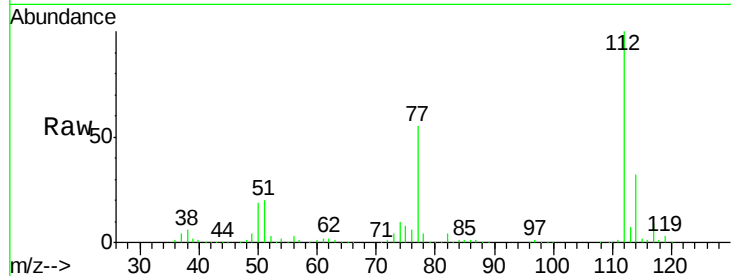
114 32.0 26.0 39.0

Manual Integrations

APPROVED

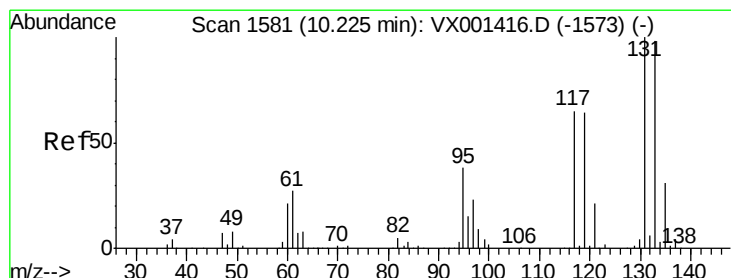
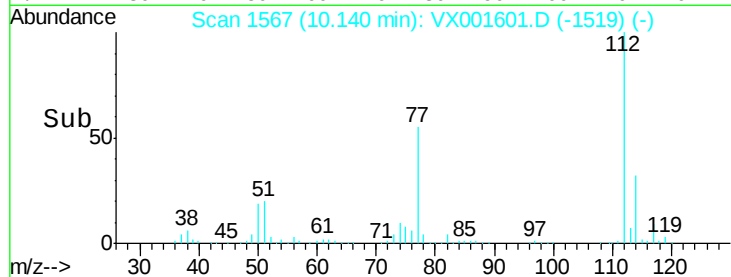
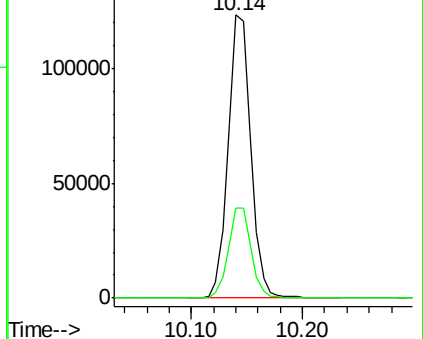
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.12 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

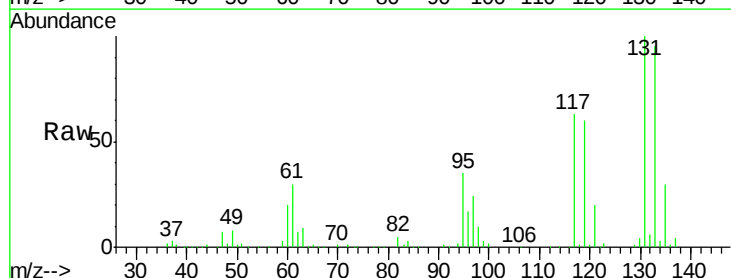
Tgt Ion:131 Resp: 65088

Ion Ratio Lower Upper

131 100

133 94.7 47.9 143.8

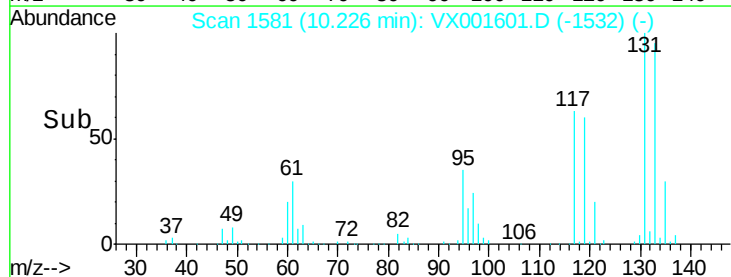
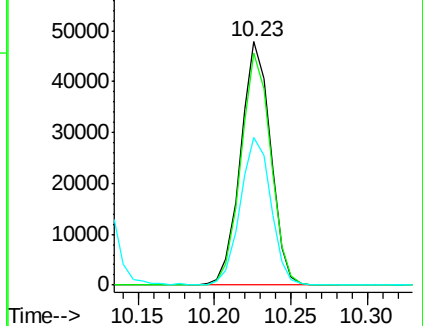
119 61.8 31.1 93.3

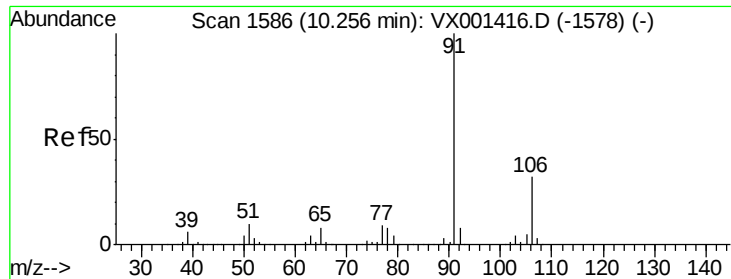


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





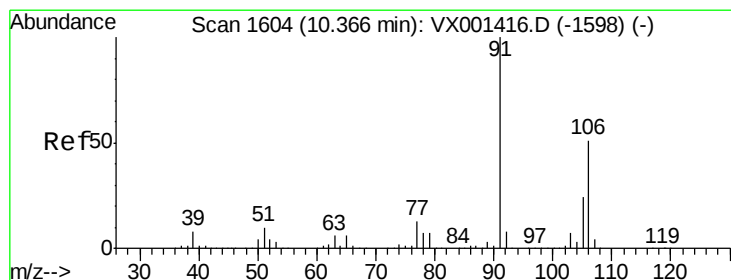
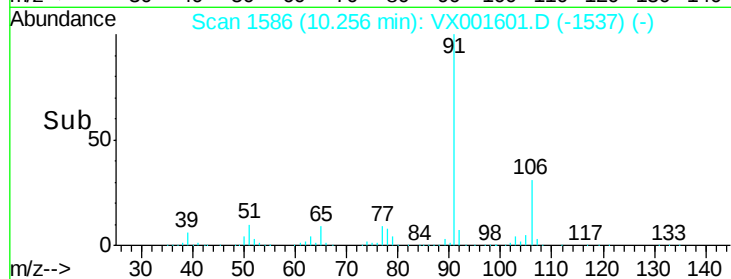
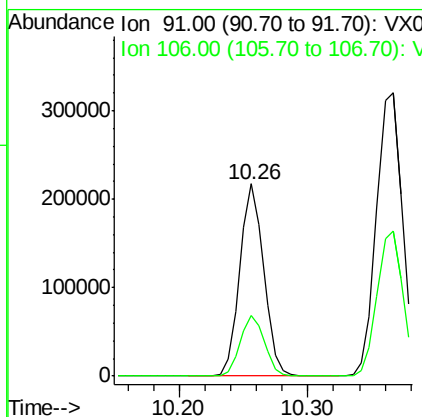
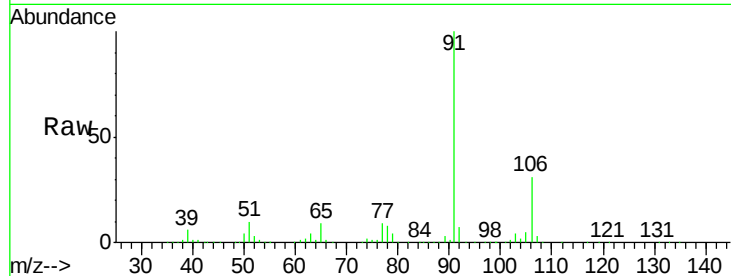
#67
Ethyl Benzene
Concen: 20.83 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampled :
VX0510MBS01

Tot Ion: 91 Resp: 280823
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

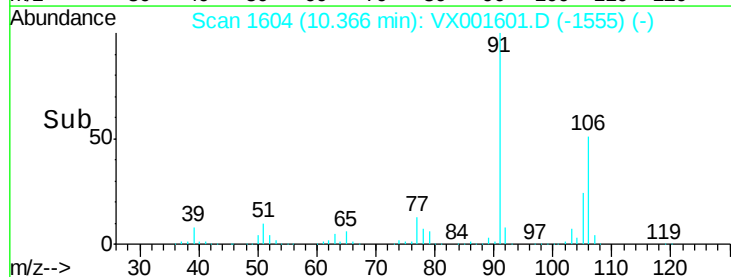
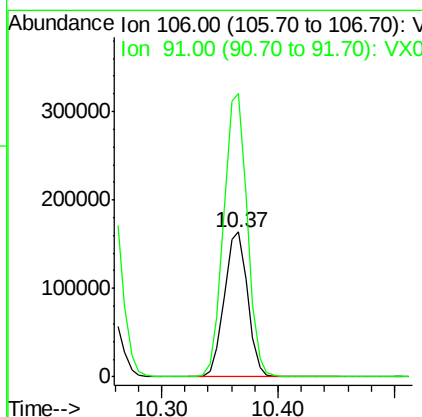
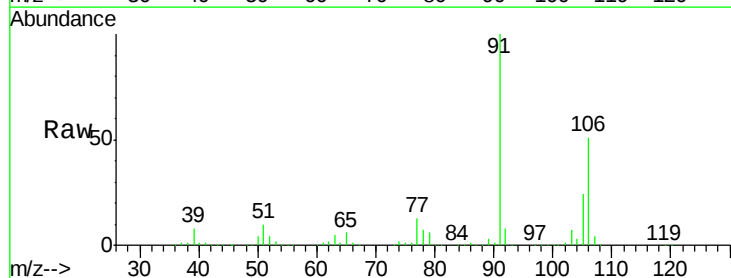
Manual Integrations
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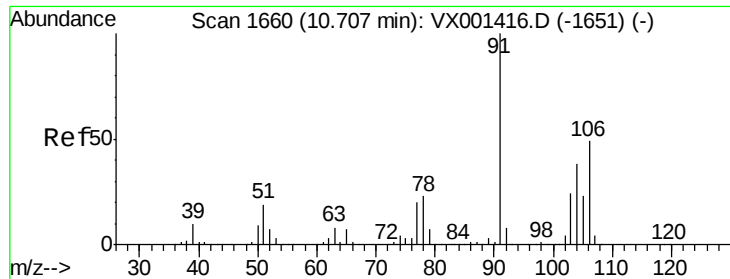
apatel
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#68
m/p-Xylenes
Concen: 42.51 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion: 106 Resp: 226437
Ion Ratio Lower Upper
106 100
91 197.4 157.5 236.3





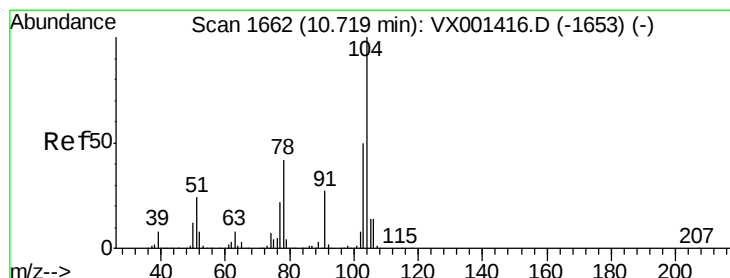
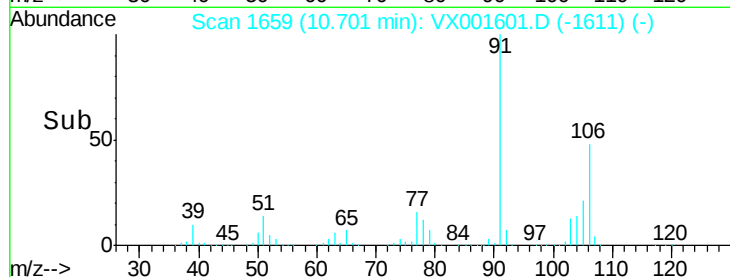
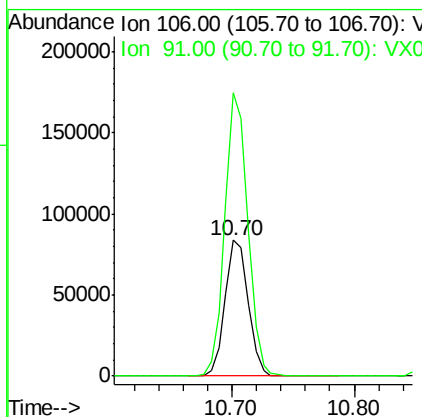
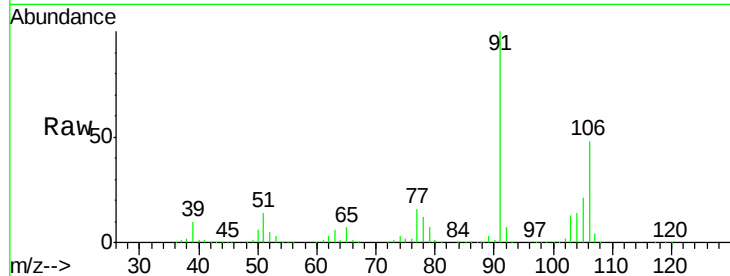
#69
o-Xylene
Concen: 21.28 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion:106 Resp: 110162
Ion Ratio Lower Upper
106 100
91 206.1 103.1 309.1

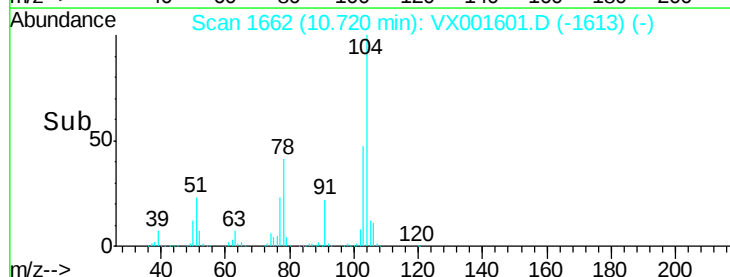
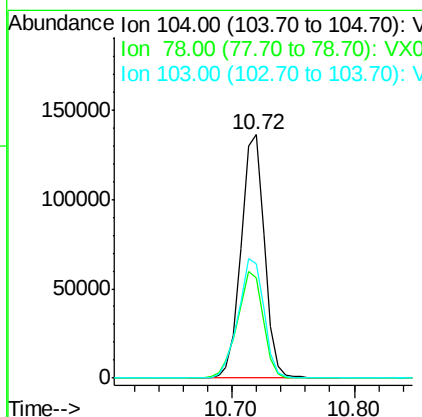
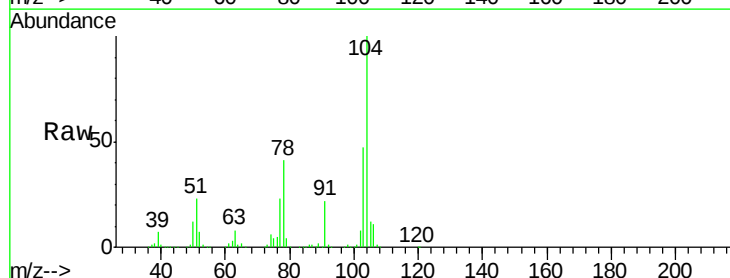
Manual Integrations
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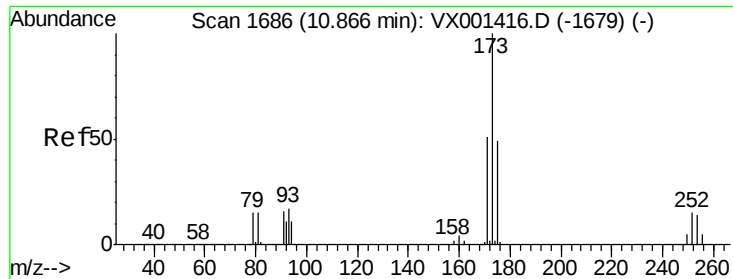
apatel
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#70
Styrene
Concen: 21.35 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion:104 Resp: 179578
Ion Ratio Lower Upper
104 100
78 48.4 38.6 58.0
103 54.4 44.0 66.0





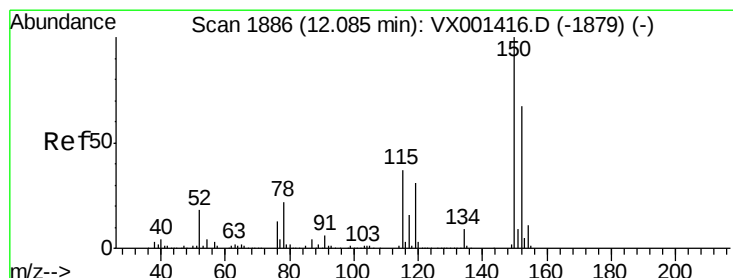
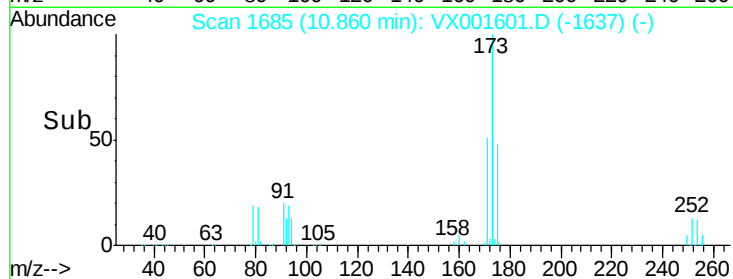
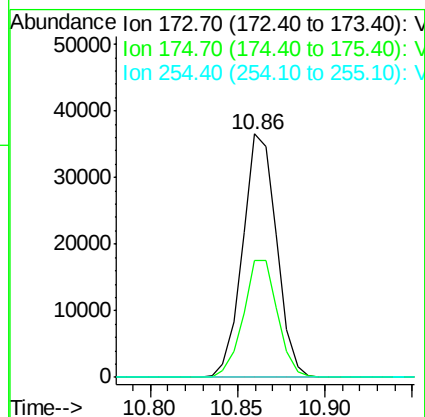
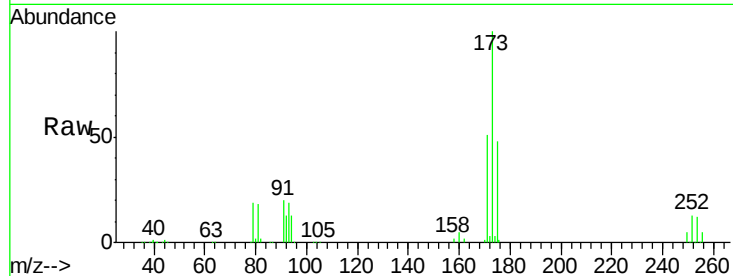
#71
Bromoform
Concen: 19.69 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.1	0.2	0.2#

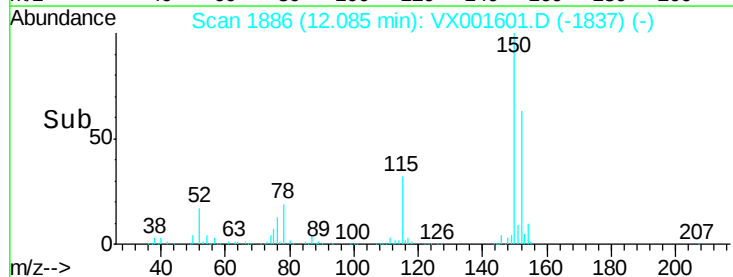
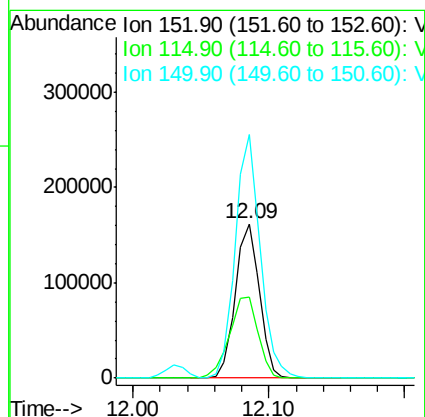
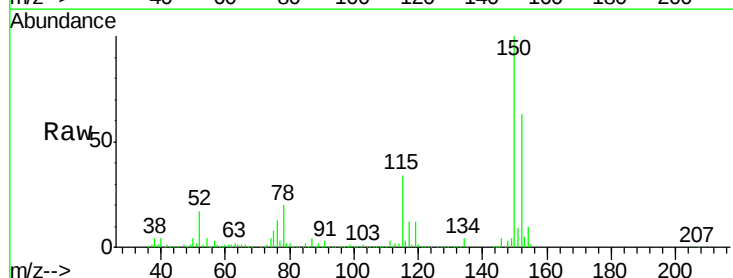
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	37.7	113.1
150	163.8	0.0	349.4





#73

Isopropylbenzene

Concen: 21.46 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

VX0510MBS01

Tot Ion:105 Resp: 295896

Ion Ratio Lower Upper

105 100

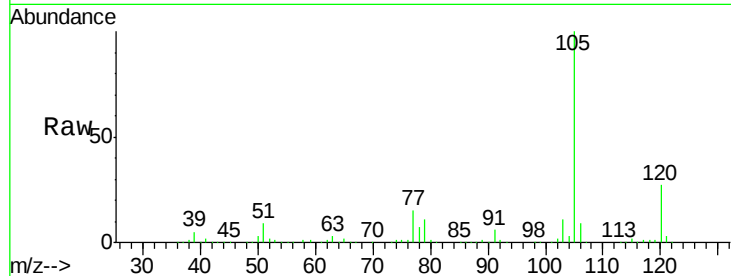
120 27.2 13.6 40.8

Manual Integrations

APPROVED

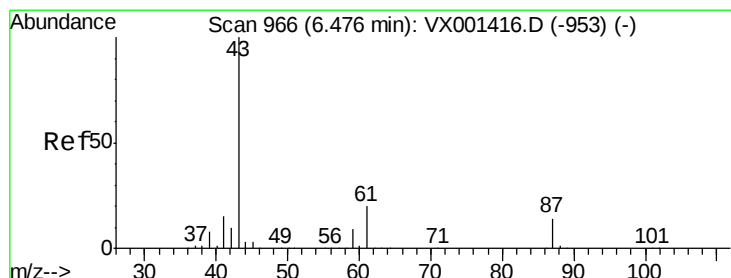
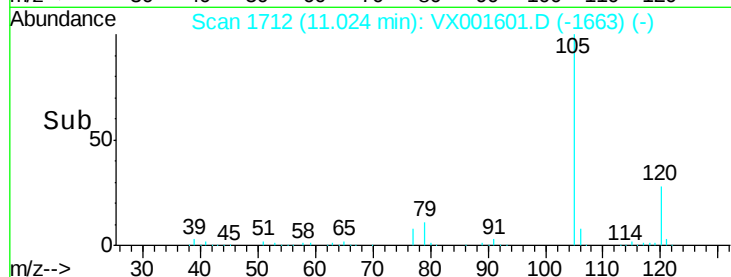
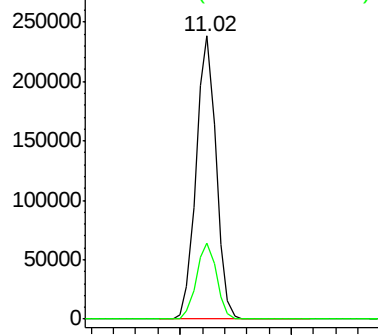
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.14 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion: 43 Resp: 138644

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

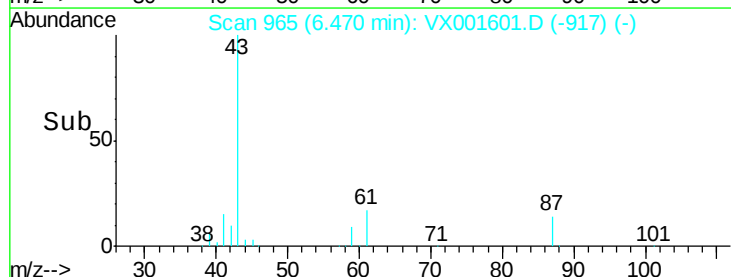
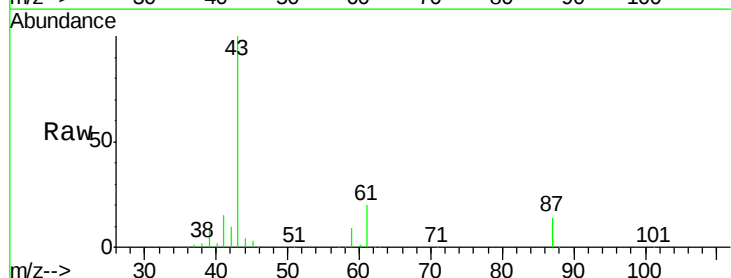
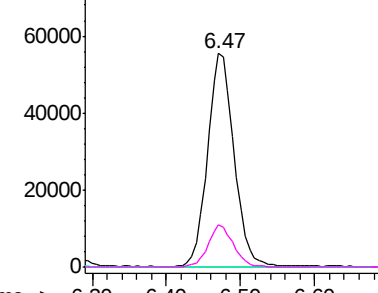
61 18.9 15.4 23.0

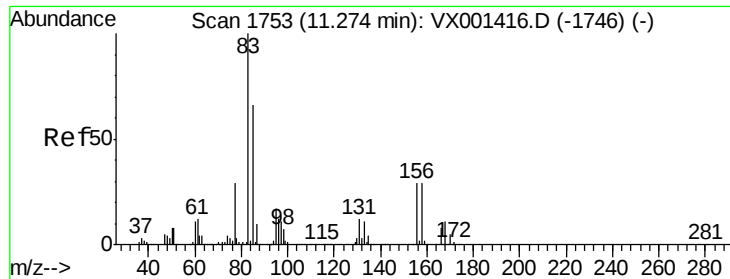
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.05 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 83 Resp: 89776

Ion Ratio Lower Upper

83 100

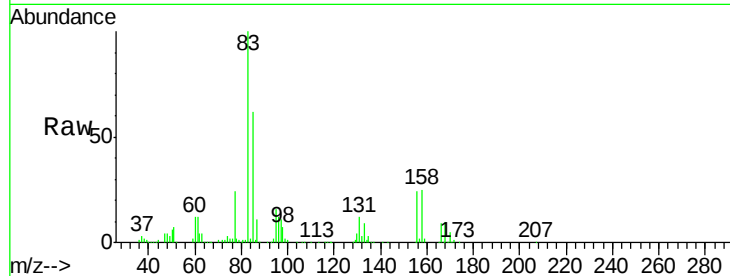
131 11.7 5.8 17.4

85 63.9 32.7 98.1

Manual Integrations
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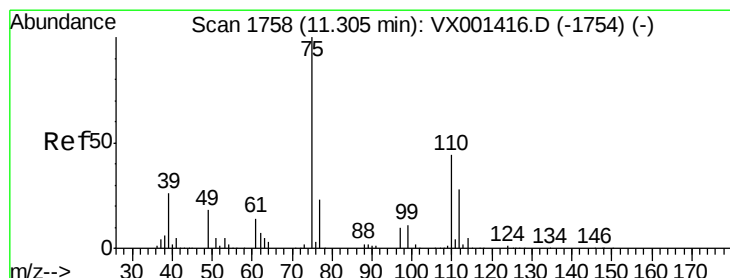
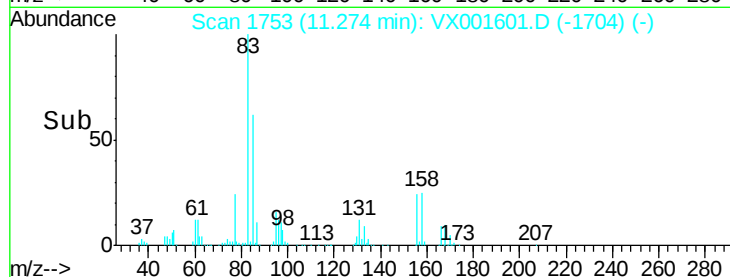
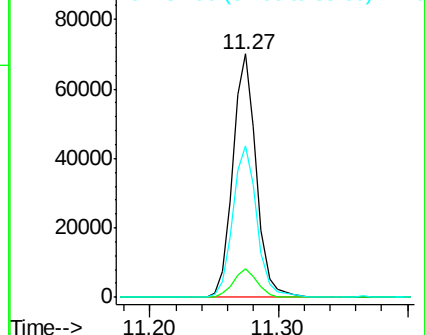
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.72 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX001601.D

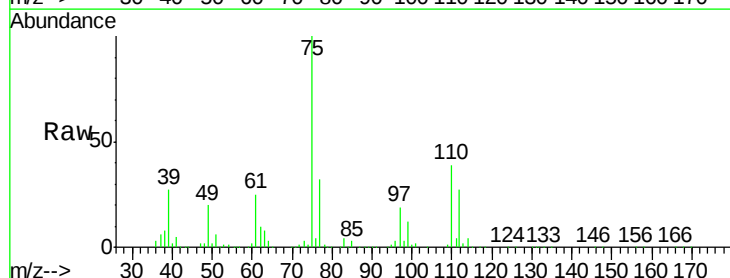
Acq: 10 May 2018 14:49

Tgt Ion: 75 Resp: 91765

Ion Ratio Lower Upper

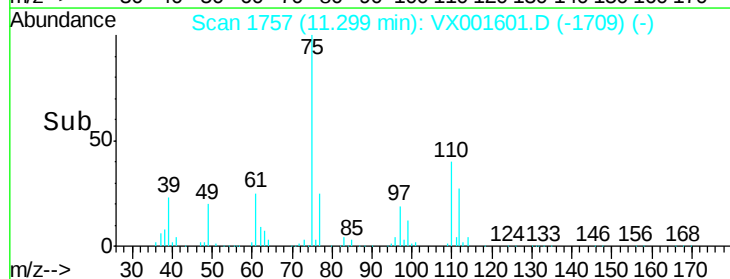
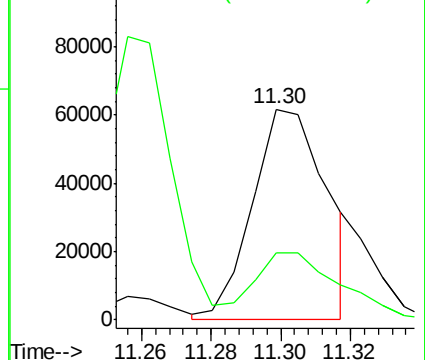
75 100

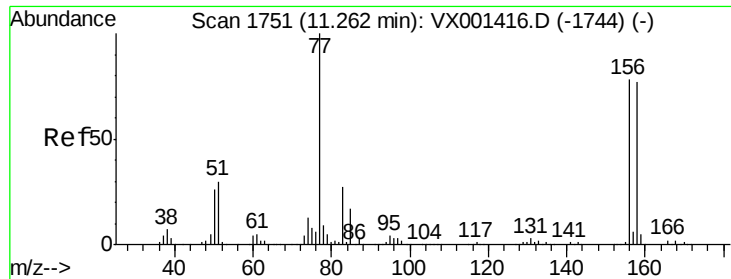
77 37.5 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.03 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion:156 Resp: 84276

Ion Ratio Lower Upper

156 100

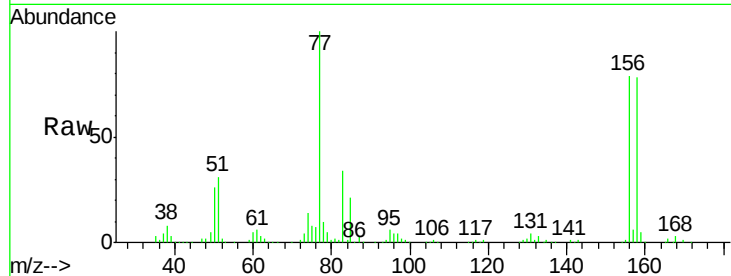
77 133.1 66.0 198.2

158 97.9 49.4 148.2

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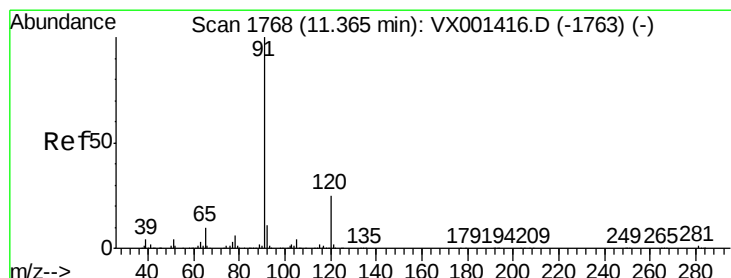
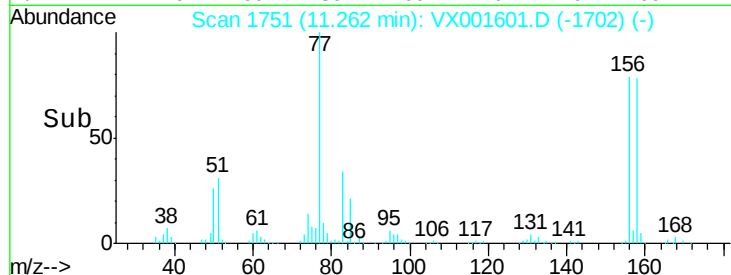
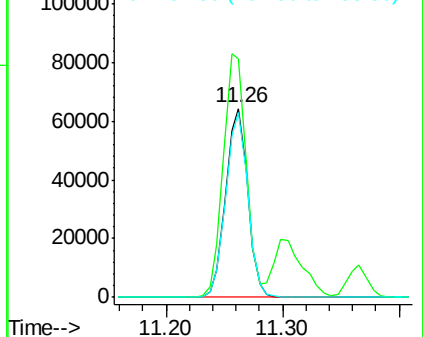
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.95 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001601.D

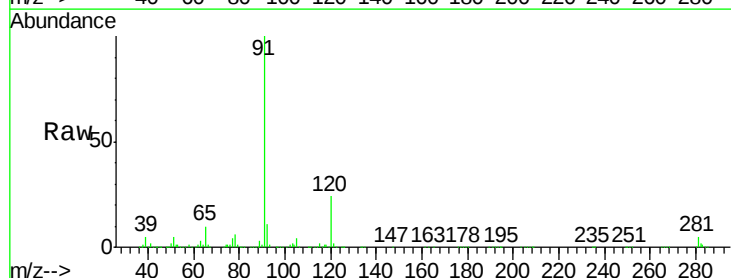
Acq: 10 May 2018 14:49

Tgt Ion: 91 Resp: 329438

Ion Ratio Lower Upper

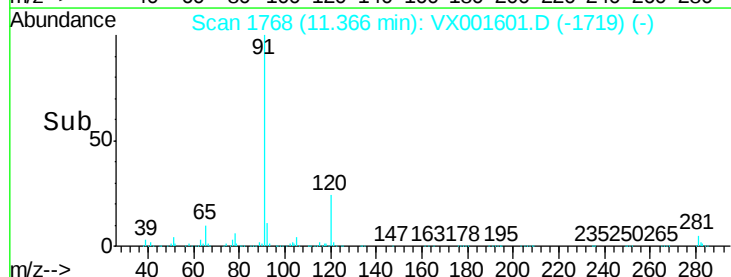
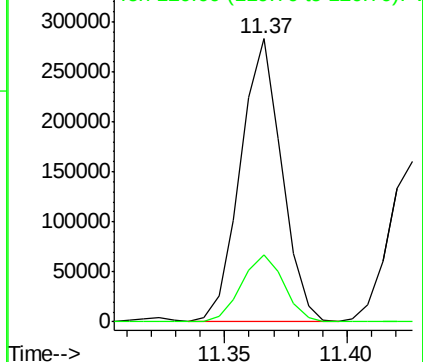
91 100

120 24.5 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.32 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion: 91 Resp: 196958

Ion Ratio Lower Upper

91 100

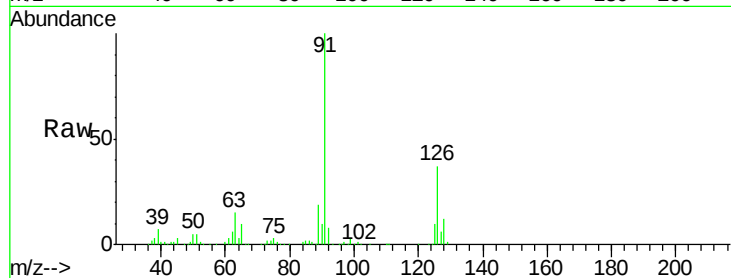
126 37.0 18.1 54.4

Manual Integrations

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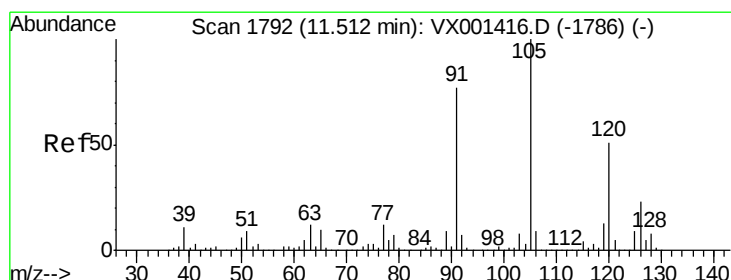
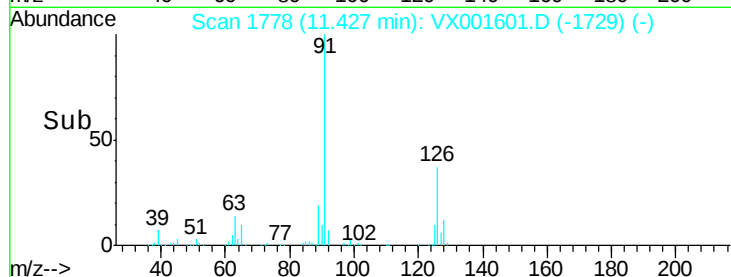
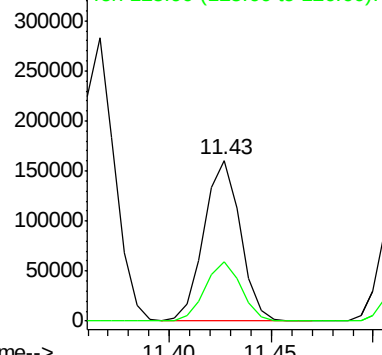
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.76 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001601.D

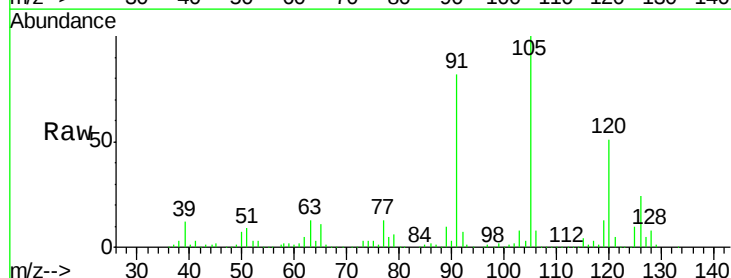
Acq: 10 May 2018 14:49

Tgt Ion: 105 Resp: 249694

Ion Ratio Lower Upper

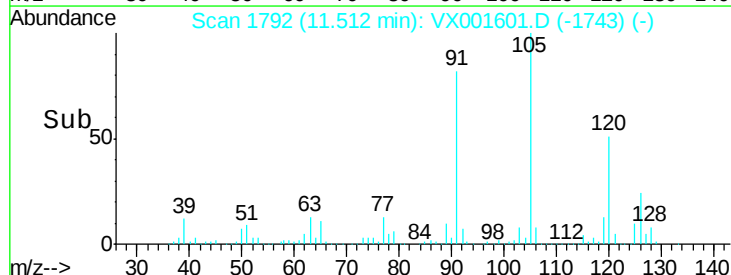
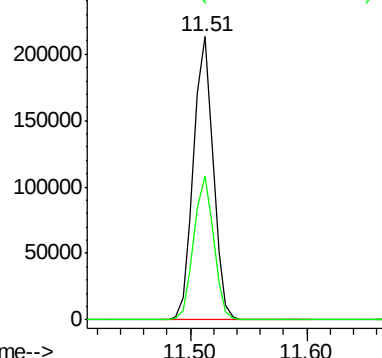
105 100

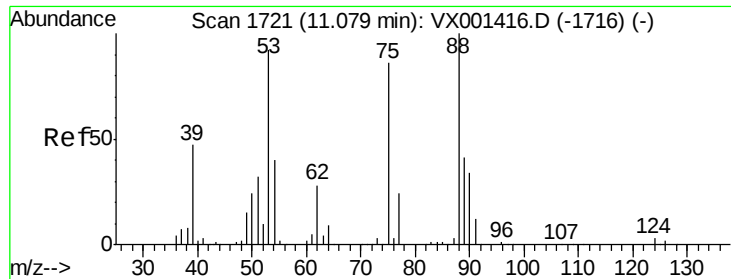
120 51.2 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





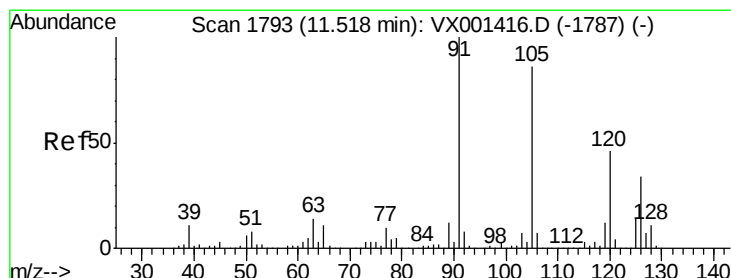
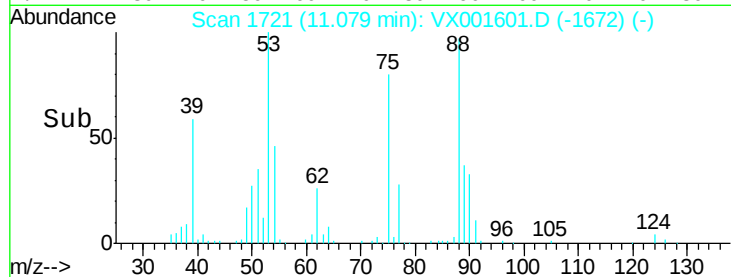
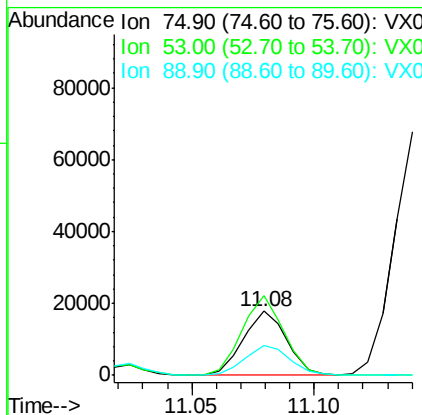
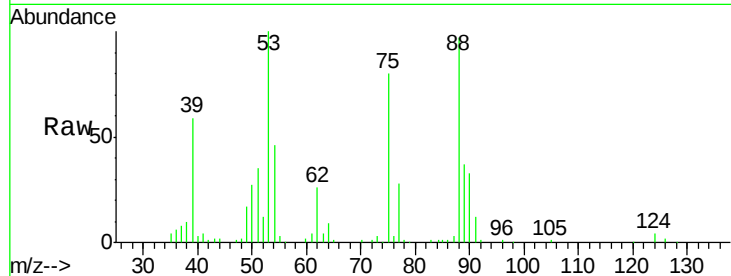
#81
trans-1,4-Dichloro-2-butene
Concen: 20.15 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.7	84.5	126.7
89	49.1	39.5	59.3

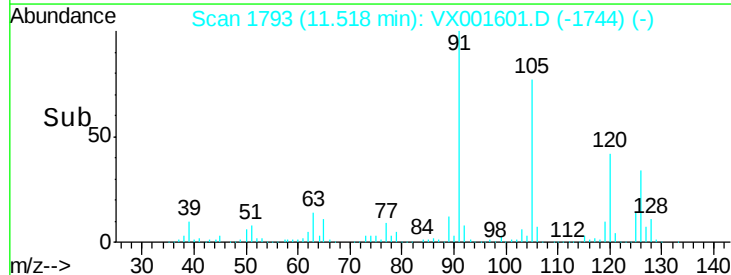
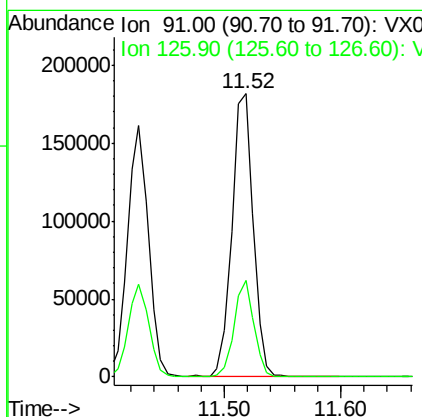
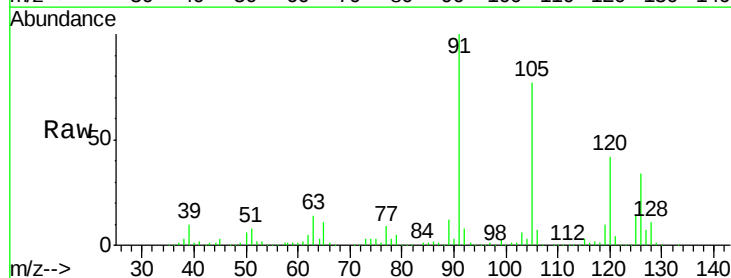
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#82
4-Chlorotoluene
Concen: 21.81 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.2	48.5





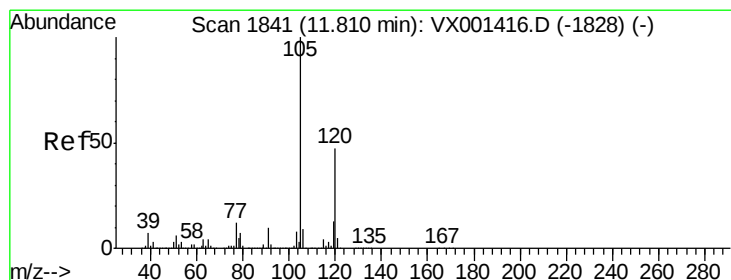
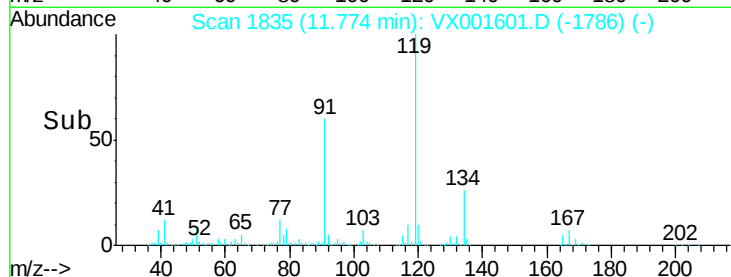
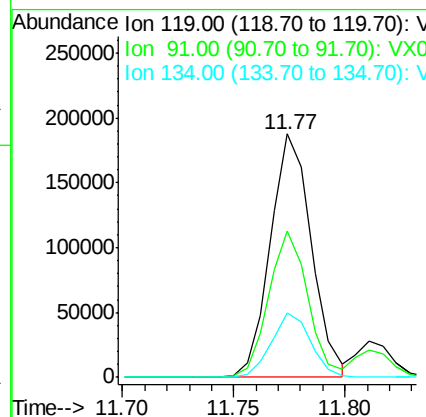
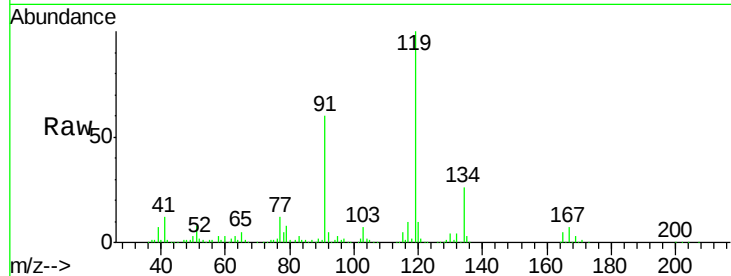
#83
tert-Butylbenzene
Concen: 21.02 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	27.8	83.3
134	25.5	12.4	37.0

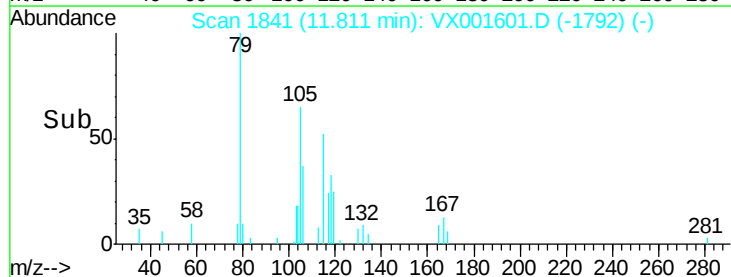
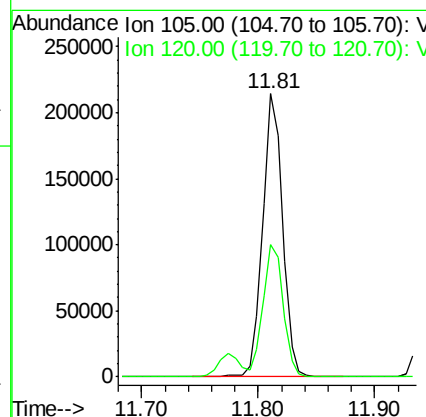
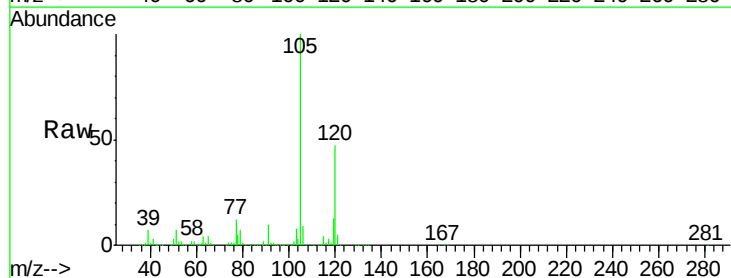
Manual Integrations
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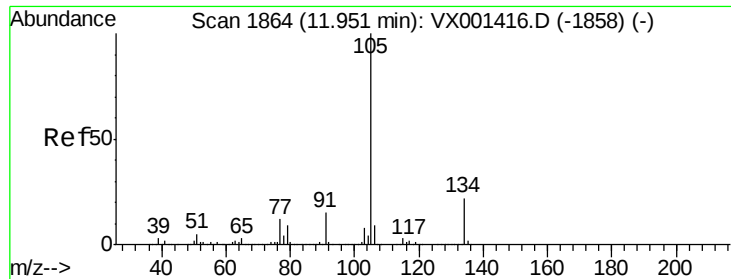
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#84
1,2,4-Trimethylbenzene
Concen: 21.85 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.2





#85

sec-Butylbenzene

Concen: 21.97 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

VX0510MBS01

Tot Ion:105 Resp: 301134

Ion Ratio Lower Upper

105 100

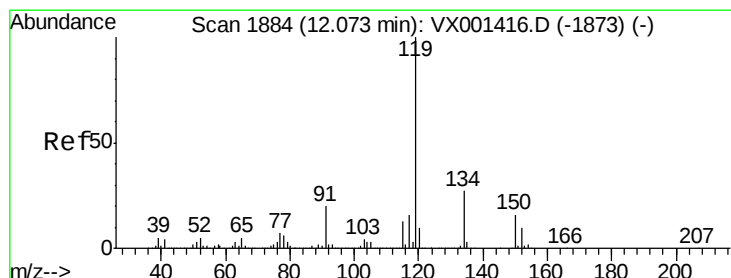
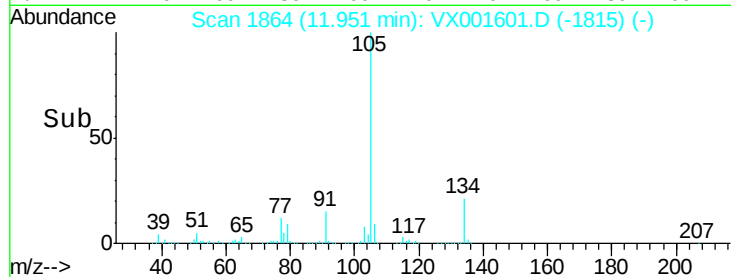
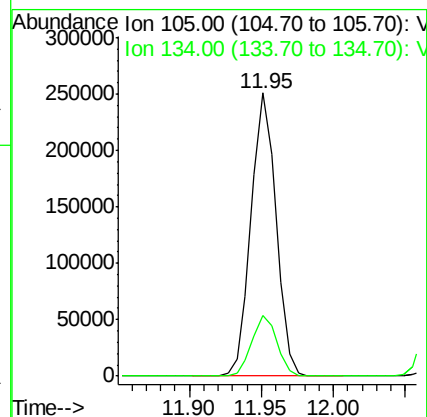
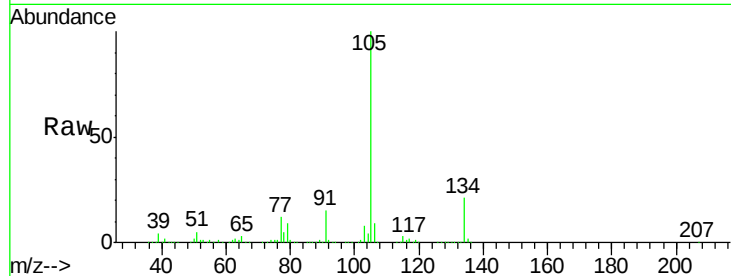
134 21.6 10.9 32.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.13 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

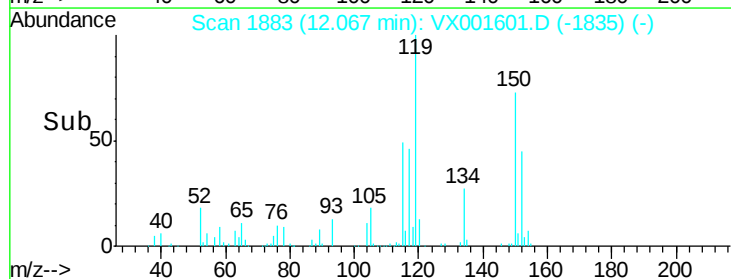
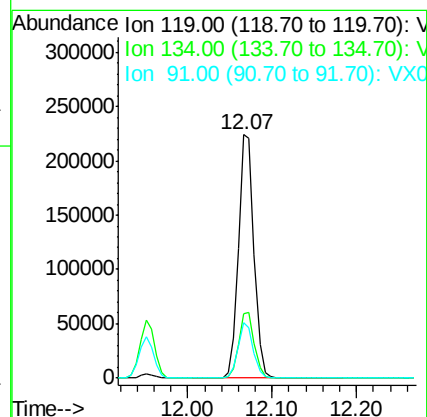
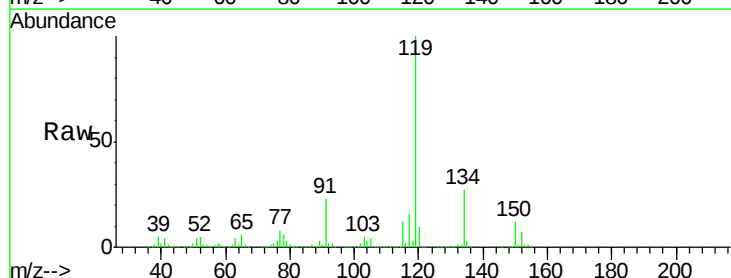
Tgt Ion:119 Resp: 278299

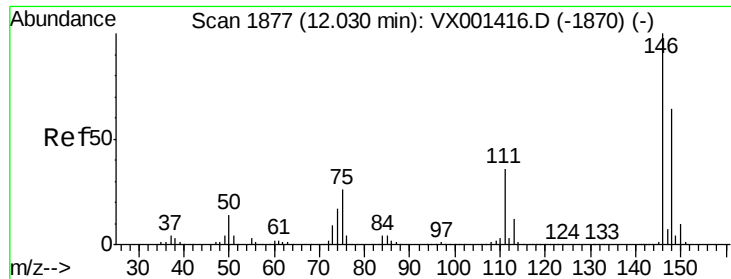
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 22.3 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 21.27 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

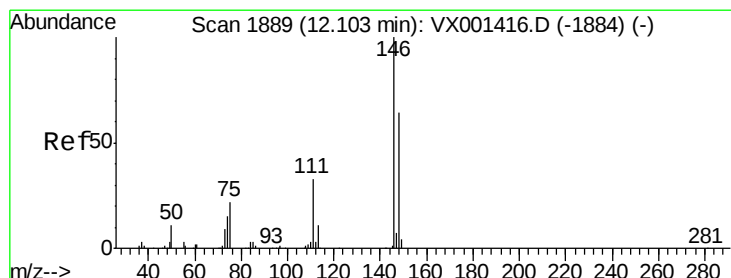
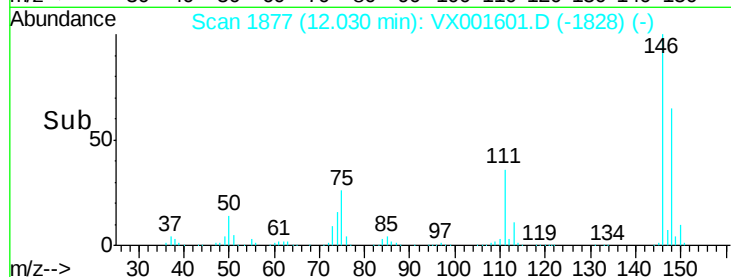
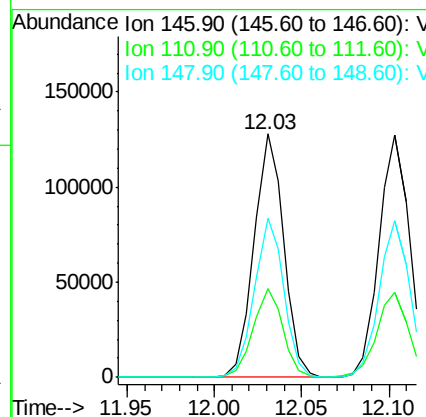
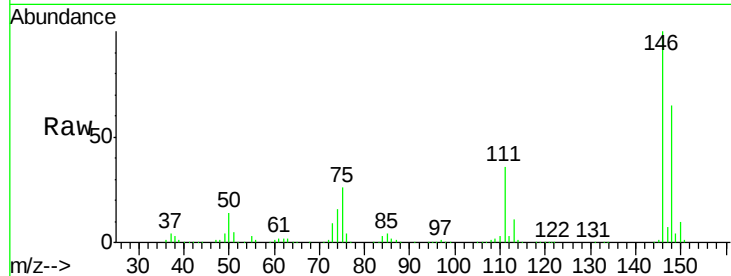
ClientSampleId :

VX0510MBS01

Tot Ion:	146	Resp:	152405
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.1	54.1
148	64.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.15 ug/l

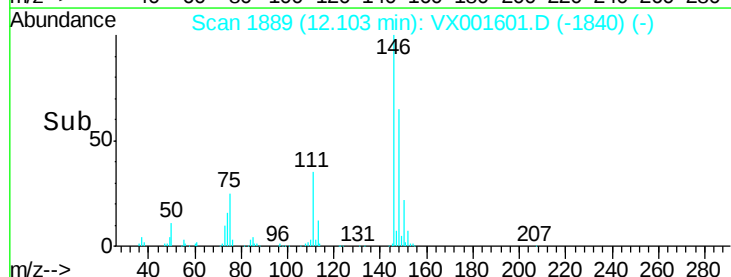
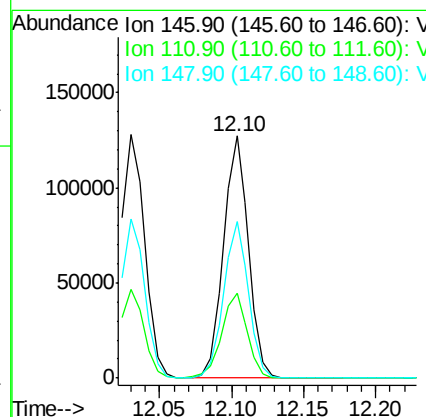
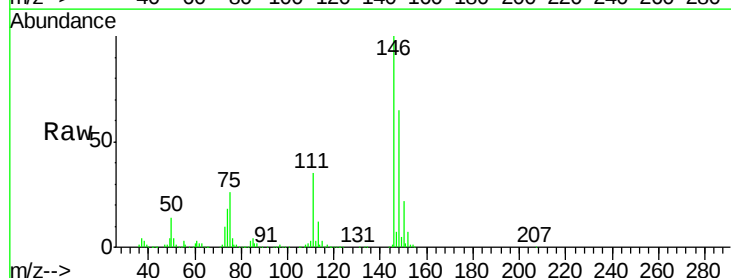
RT: 12.10 min Scan# 1889

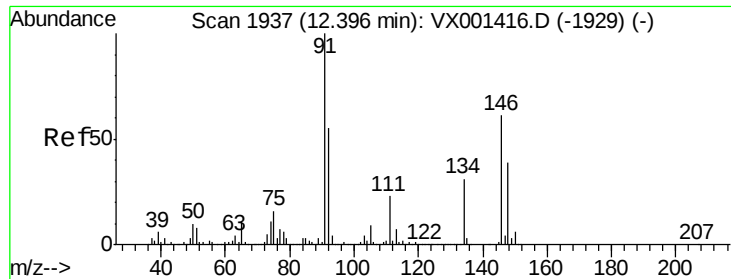
Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion:	146	Resp:	154543
Ion Ratio	Lower	Upper	
146	100		
111	36.3	17.4	52.3
148	64.8	32.2	96.6





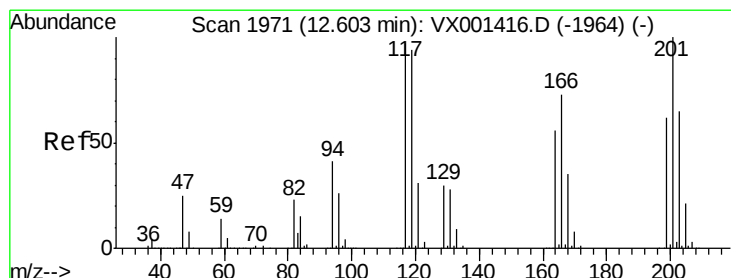
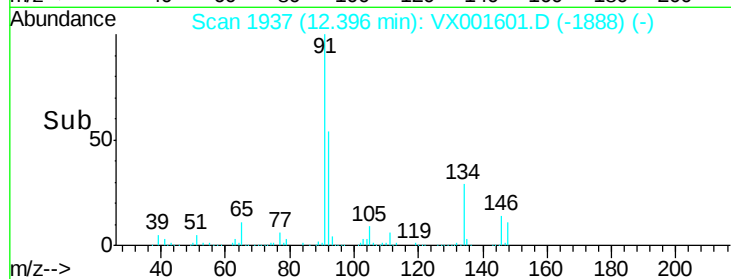
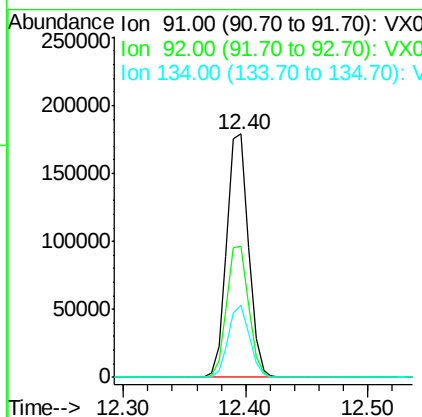
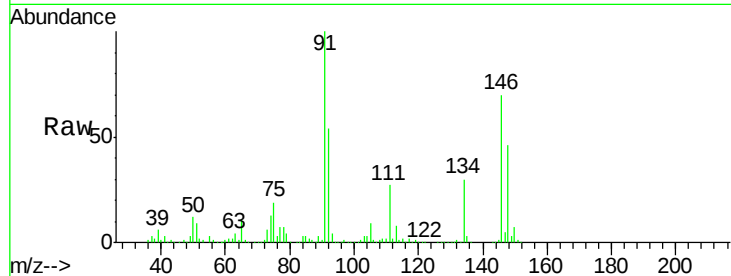
#89
n-Butylbenzene
Concen: 21.15 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
VX0510MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	220382		
92	54.5		27.2	81.5
134	28.6		14.6	44.0

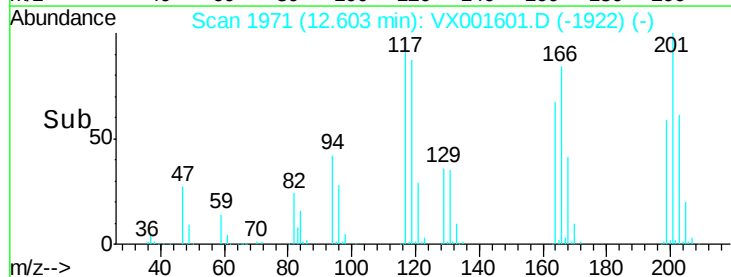
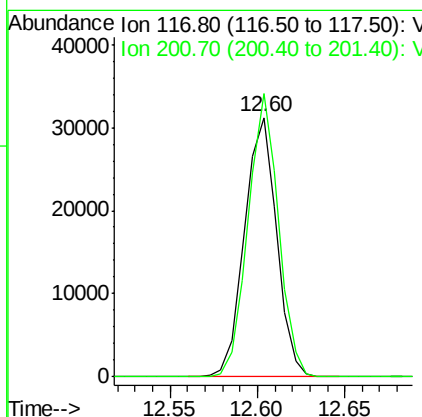
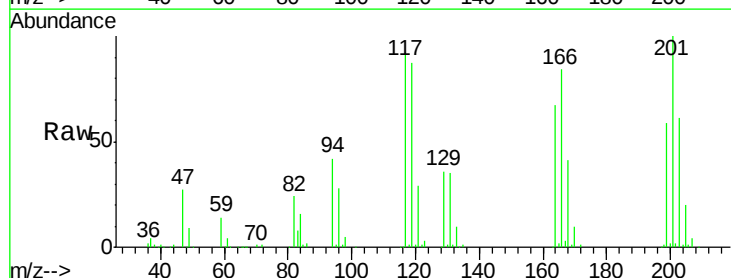
Manual Integrations
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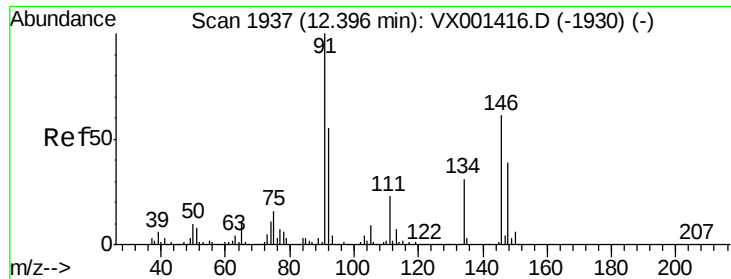
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#90
Hexachloroethane
Concen: 21.08 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001601.D
Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39917		
201	103.1		51.5	154.5





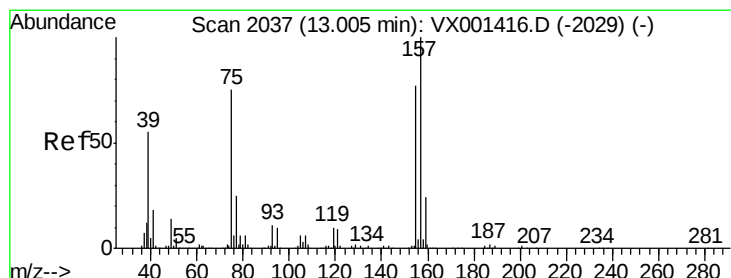
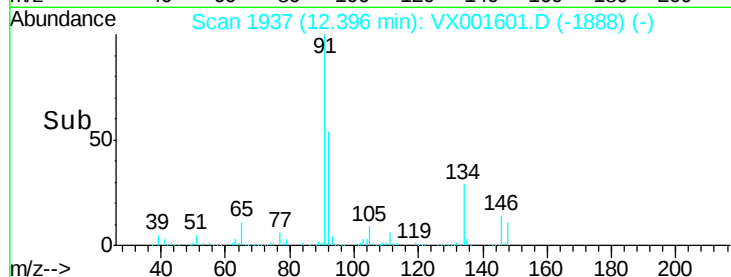
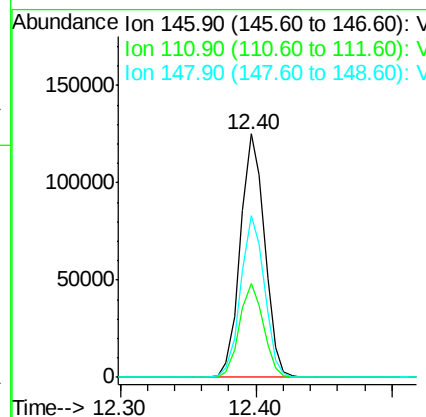
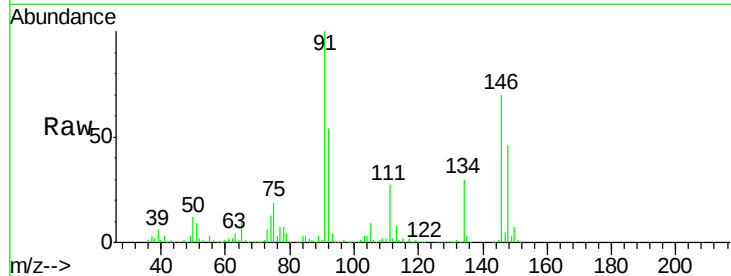
#91
 1,2-Dichlorobenzene
 Concen: 21.33 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	65.2	32.1	96.5

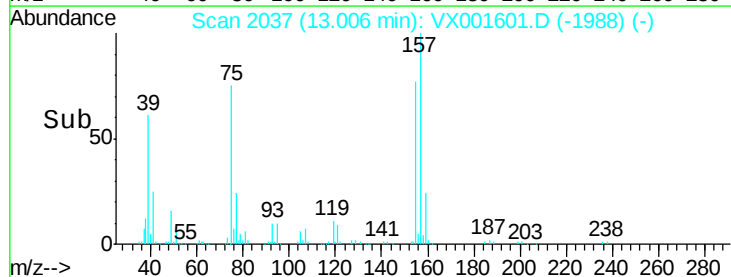
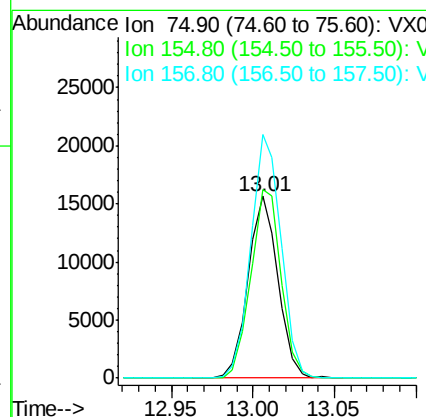
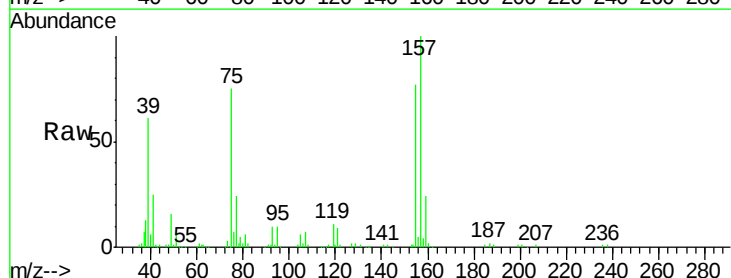
Manual Integrations
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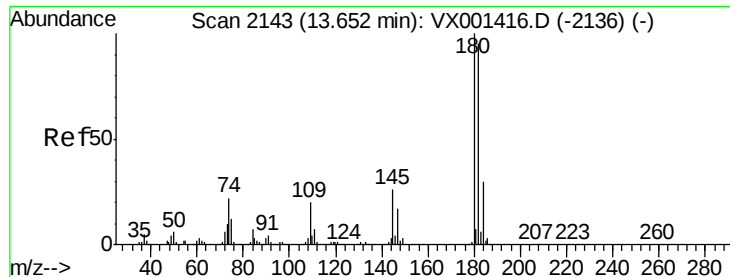
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.29 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.9	53.4	160.2
157	135.8	68.3	204.8





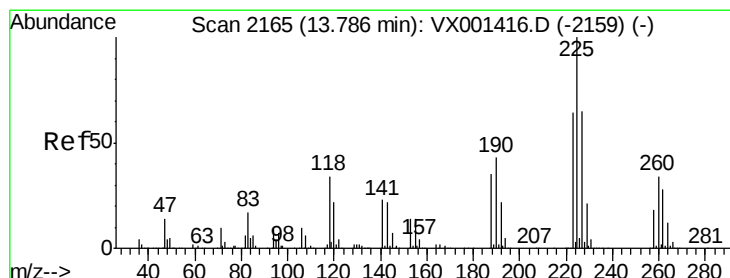
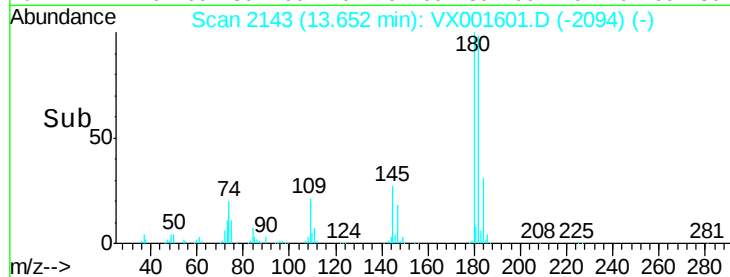
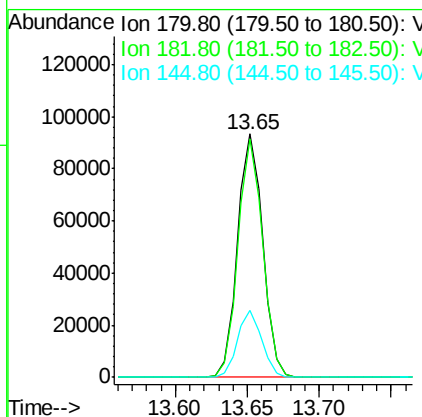
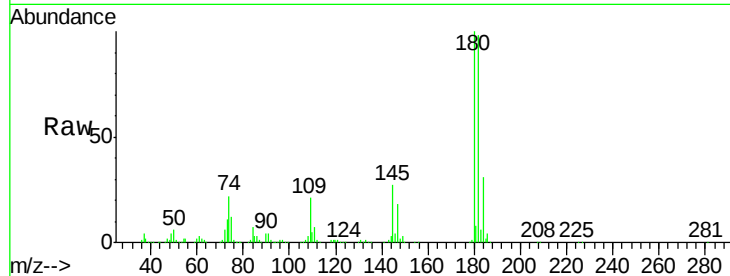
#93
 1,2,4-Trichlorobenzene
 Concen: 21.35 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113901		
182	96.0	47.8	143.4	
145	26.5	13.3	39.9	

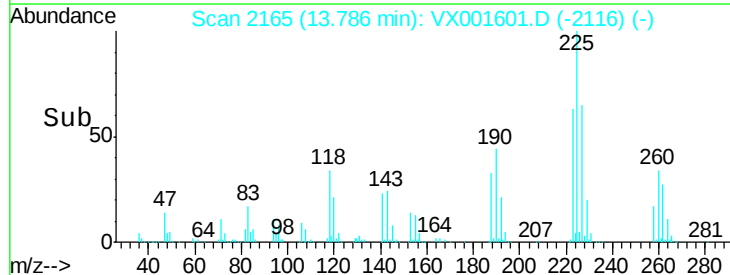
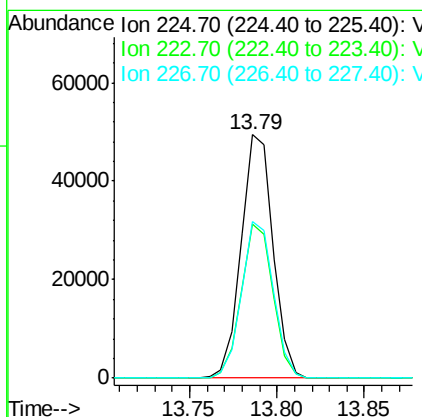
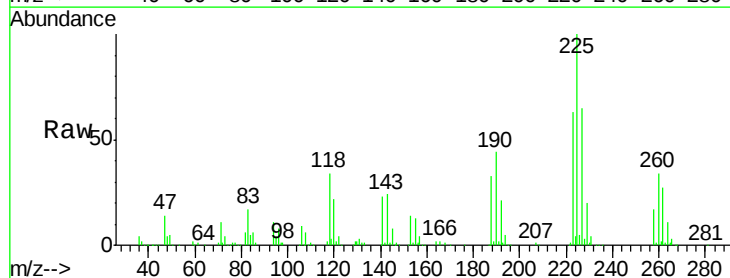
Manual Integrations
 APPROVED

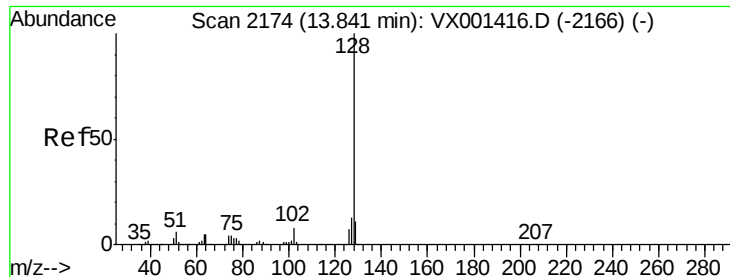
apatel
 5/11/2018 1:06:49 PM



#94
 Hexachlorobutadiene
 Concen: 21.47 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001601.D
 Acq: 10 May 2018 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62664		
223	62.9	31.3	93.9	
227	64.6	32.4	97.2	





#95

Naphthalene

Concen: 21.96 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Instrument :

MSVOA_X

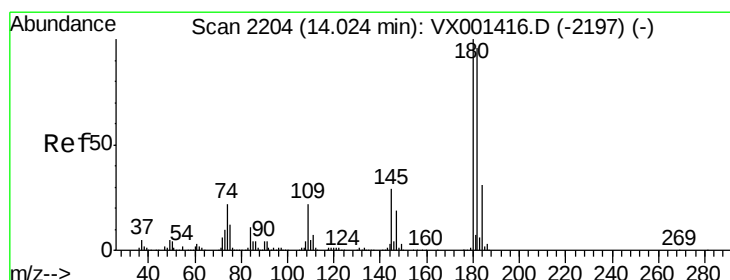
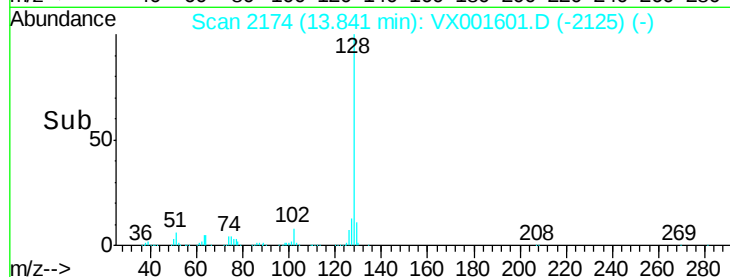
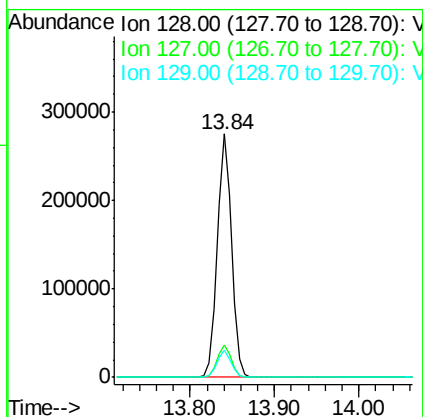
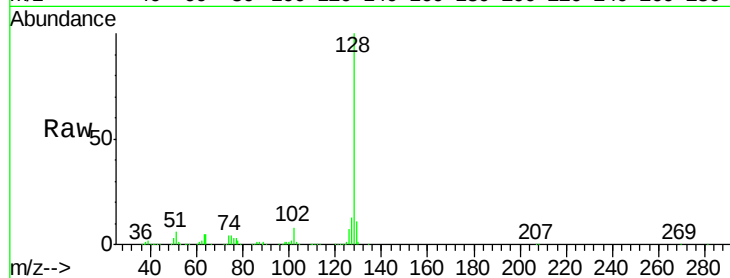
ClientSampleId :

VX0510MBS01

Tot Ion:	128	Resp:	323900
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
5/11/2018 1:06:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.62 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001601.D

Acq: 10 May 2018 14:49

Tgt Ion:	180	Resp:	118312
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.0	144.2
145	29.1	14.1	42.4

