

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050918\
 Data File : VX001558.D
 Acq On : 09 May 2018 16:39
 Operator : JC/MD
 Sample : VX0509WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:51:58 PM

Quant Time: May 10 04:45:05 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	250478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	215412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	183304	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	5.51	113	147427	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	8.72	98	526126	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.14	95	197435	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	72571	21.52	ug/l	98
3) Chloromethane	1.32	50	67523	20.56	ug/l	99
4) Vinyl Chloride	1.40	62	72445	21.14	ug/l	100
5) Bromomethane	1.64	94	43268	25.92	ug/l	99
6) Chloroethane	1.72	64	47423	20.93	ug/l	95
7) Trichlorofluoromethane	1.93	101	113327	21.97	ug/l	100
8) Diethyl Ether	2.19	74	43348	21.44	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66038	21.84	ug/l	98
10) Methyl Iodide	2.51	142	84432	19.35	ug/l	99
11) Tert butyl alcohol	3.09	59	81676	107.60	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60302	21.76	ug/l	98
13) Acrolein	2.30	56	13934	85.44	ug/l	100
14) Allyl chloride	2.73	41	112837	21.83	ug/l	99
15) Acrylonitrile	3.15	53	188780	110.06	ug/l	100
16) Acetone	2.45	43	202845	124.08	ug/l	97
17) Carbon Disulfide	2.57	76	135269	19.18	ug/l	100
18) Methyl Acetate	2.78	43	104001	24.21	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	214326	22.21	ug/l	97
20) Methylene Chloride	2.86	84	68906	21.29	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	63728	20.60	ug/l	97
22) Diisopropyl ether	3.88	45	205865	21.32	ug/l	98
23) Vinyl Acetate	3.83	43	854551	106.20	ug/l	99
24) 1,1-Dichloroethane	3.70	63	121285	22.49	ug/l	98
25) 2-Butanone	4.72	43	267865	113.36	ug/l	99
26) 2,2-Dichloropropane	4.59	77	92706	22.26	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	70991	21.55	ug/l	99
28) Bromochloromethane	5.02	49	56173	24.02	ug/l	98
29) Tetrahydrofuran	5.18	42	161602	106.88	ug/l	100
30) Chloroform	5.22	83	123467	22.22	ug/l	98
31) Cyclohexane	5.57	56	96469	20.82	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	108894	22.43	ug/l	99
36) 1,1-Dichloropropene	5.81	75	86969	21.17	ug/l	99
37) Ethyl Acetate	4.87	43	97460	21.64	ug/l	99
38) Carbon Tetrachloride	5.79	117	96892	22.11	ug/l	98

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 Operator : JC/MD
 Sample : VX0509WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:51:58 PM

Quant Time: May 10 04:45:05 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)
39) Methylcyclohexane	7.46	83	101773	20.95	ug/l	99
40) Benzene	6.15	78	260757	21.73	ug/l	99
41) Methacrylonitrile	5.07	41	56192	21.81	ug/l	98
42) 1,2-Dichloroethane	6.21	62	104411	22.64	ug/l	99
43) Isopropyl Acetate	6.48	43	148997	21.55	ug/l	100
44) Trichloroethene	7.22	130	80331	21.90	ug/l	98
45) 1,2-Dichloropropane	7.52	63	66585	22.26	ug/l	98
46) Dibromomethane	7.67	93	46441	21.93	ug/l	99
47) Bromodichloromethane	7.91	83	87470	22.32	ug/l	99
48) Methyl methacrylate	7.79	41	80620	21.42	ug/l	99
49) 1,4-Dioxane	7.76	88	33605	413.20	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	510550	111.14	ug/l	99
52) Toluene	8.79	92	172860	22.03	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	98760	22.30	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	87365	20.48	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	70241	22.22	ug/l	97
56) Ethyl methacrylate	9.19	69	97806	21.46	ug/l	99
57) 1,3-Dichloropropane	9.38	76	114888	21.98	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	243940	109.15	ug/l	99
59) 2-Hexanone	9.51	43	392589	111.60	ug/l	99
60) Dibromochloromethane	9.59	129	71025	21.94	ug/l	99
61) 1,2-Dibromoethane	9.68	107	73229	22.06	ug/l	99
64) Tetrachloroethene	9.34	164	92307	21.57	ug/l	99
65) Chlorobenzene	10.15	112	196967	21.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	71648	22.24	ug/l	99
67) Ethyl Benzene	10.26	91	319044	21.61	ug/l	99
68) m/p-Xylenes	10.37	106	256505	43.98	ug/l	100
69) o-Xylene	10.71	106	124548	21.97	ug/l	100
70) Styrene	10.72	104	202256	21.96	ug/l	100
71) Bromoform	10.87	173	55493	20.20	ug/l #	100
73) Isopropylbenzene	11.02	105	333698	22.38	ug/l	100
74) N-amyl acetate	6.48	43	148997	22.00	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	99668	22.63	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	97795m	22.38	ug/l	
77) Bromobenzene	11.26	156	94217	21.73	ug/l	98
78) n-propylbenzene	11.37	91	368245	22.68	ug/l	99
79) 2-Chlorotoluene	11.43	91	223996	22.42	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	281391	22.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	24765	20.81	ug/l	91
82) 4-Chlorotoluene	11.52	91	258670	22.44	ug/l	99
83) tert-Butylbenzene	11.77	119	280454	22.70	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	290497	22.77	ug/l	100
85) sec-Butylbenzene	11.95	105	337978	22.79	ug/l	100
86) p-Isopropyltoluene	12.07	119	307335	22.59	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	170519	22.00	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	172461	21.82	ug/l	99
89) n-Butylbenzene	12.40	91	246115	21.84	ug/l	99
90) Hexachloroethane	12.60	117	44927	21.93	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	174749	22.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21832	22.56	ug/l	96

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

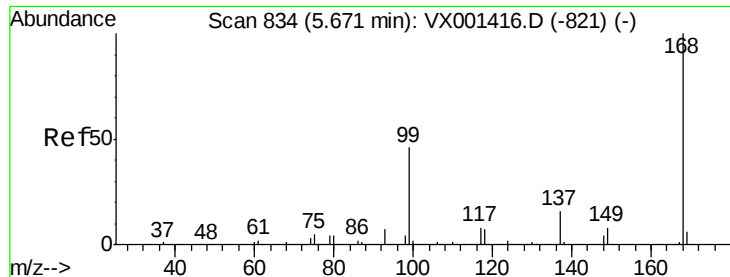
Manual Integrations
APPROVED

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5/10/2018 1:51:58 PM

Quant Time: May 10 04:45:05 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)
93) 1,2,4-Trichlorobenzene	13.65	180	123562	21.42	ug/l	100
94) Hexachlorobutadiene	13.79	225	67841	21.49	ug/l	99
95) Naphthalene	13.84	128	358899	22.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	130367	22.02	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:168 Resp: 250478

Ion Ratio Lower Upper

168 100

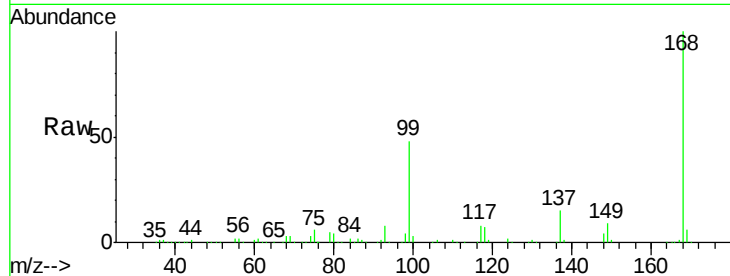
99 47.6 36.6 54.8

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

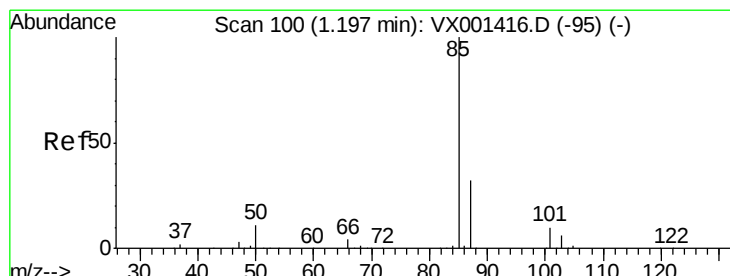
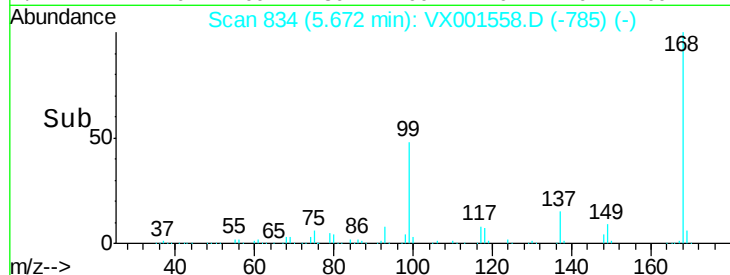
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.52 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001558.D

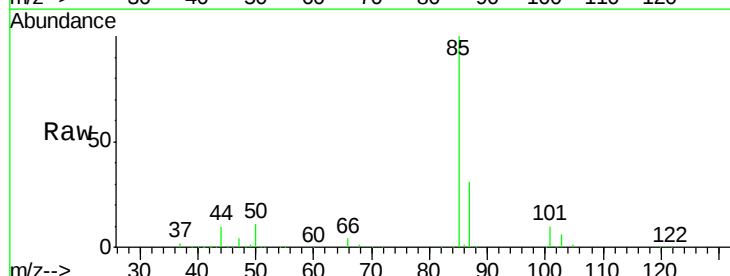
Acq: 09 May 2018 16:39

Tgt Ion: 85 Resp: 72571

Ion Ratio Lower Upper

85 100

87 31.2 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

80000

60000

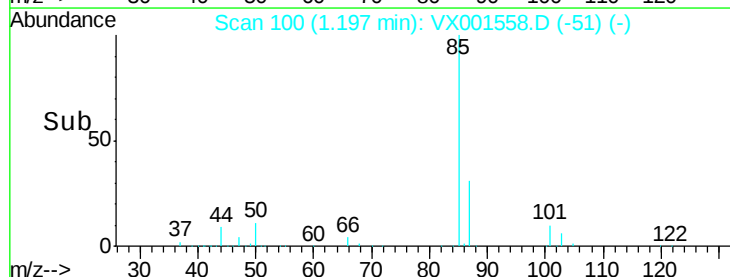
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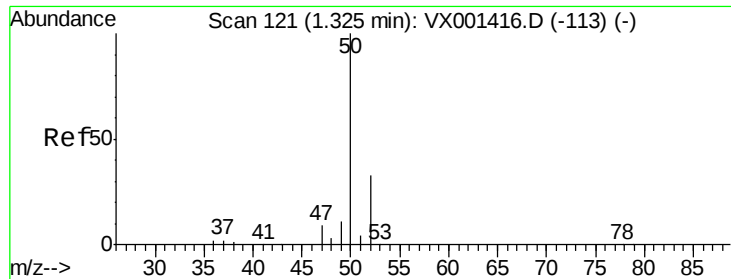
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.56 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 50 Resp: 67523

Ion Ratio Lower Upper

50 100

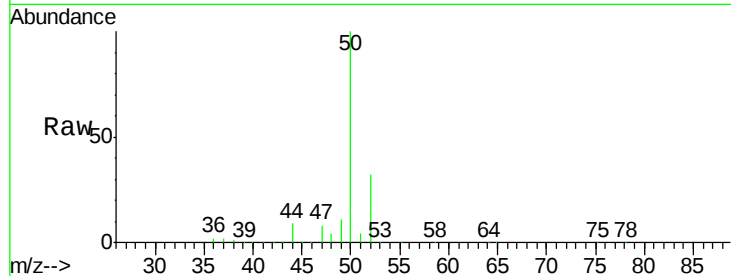
52 32.1 26.2 39.4

Manual Integrations

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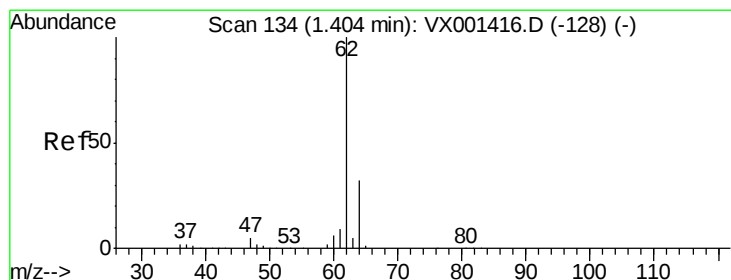
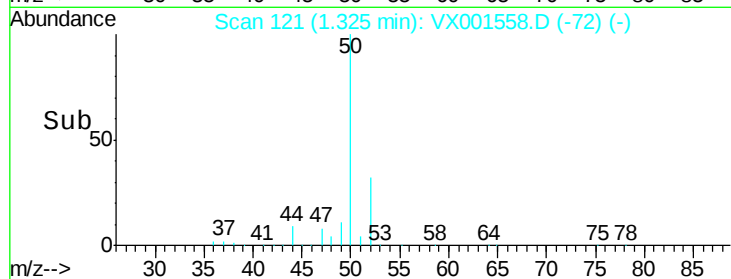
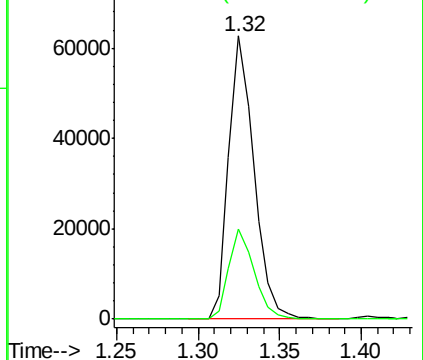
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.14 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001558.D

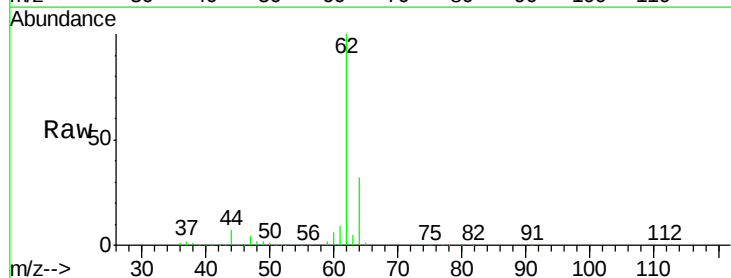
Acq: 09 May 2018 16:39

Tgt Ion: 62 Resp: 72445

Ion Ratio Lower Upper

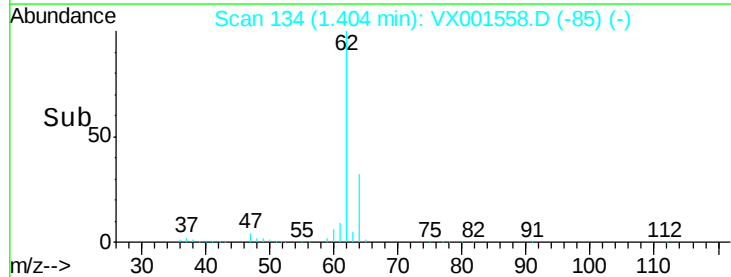
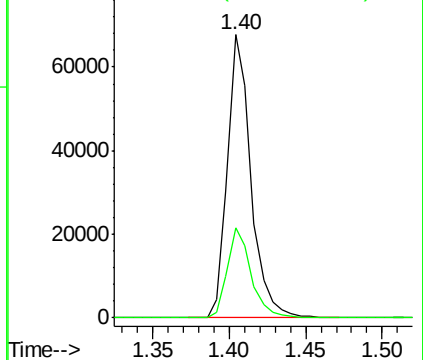
62 100

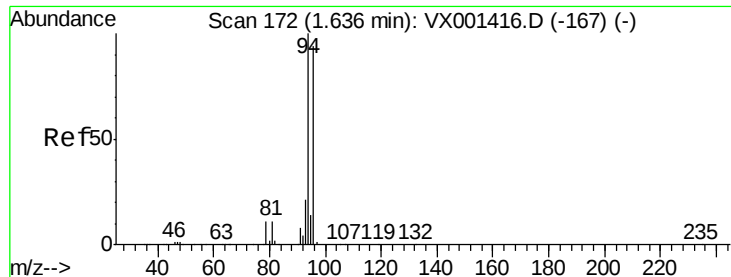
64 32.0 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 25.92 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 94 Resp: 43268

Ion Ratio Lower Upper

94 100

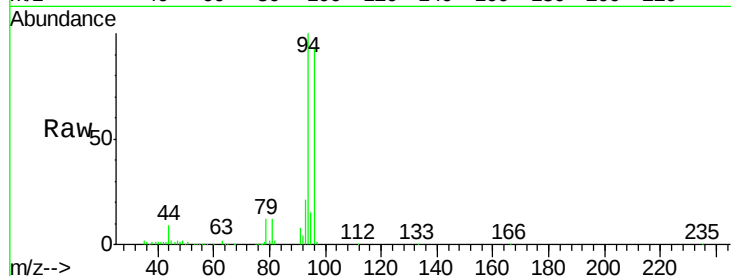
96 93.0 75.0 112.6

Manual Integrations

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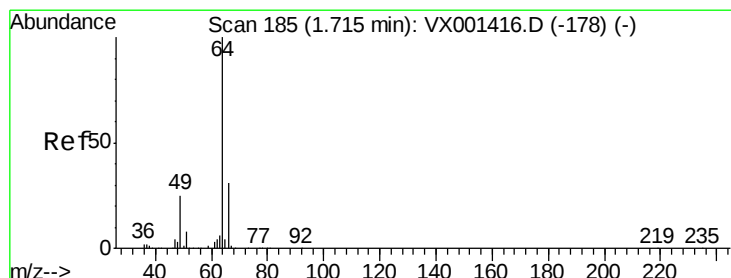
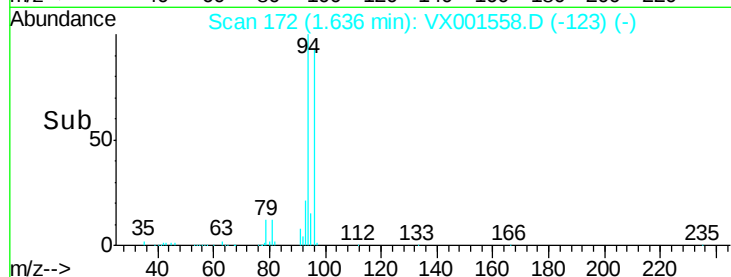
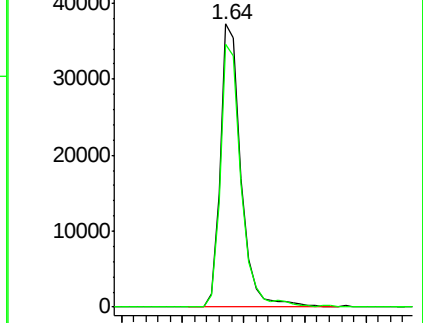
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.93 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001558.D

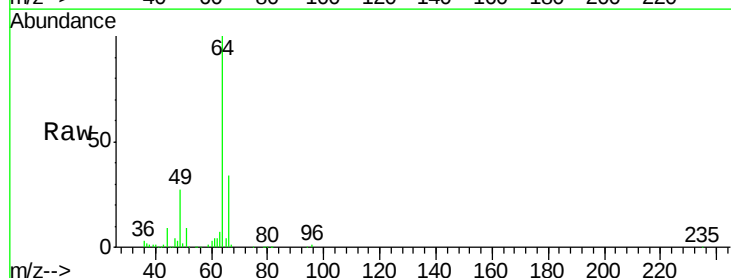
Acq: 09 May 2018 16:39

Tgt Ion: 64 Resp: 47423

Ion Ratio Lower Upper

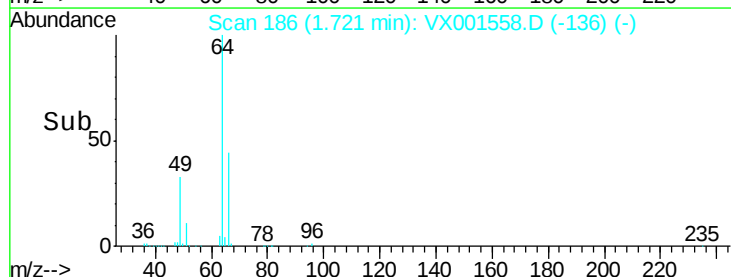
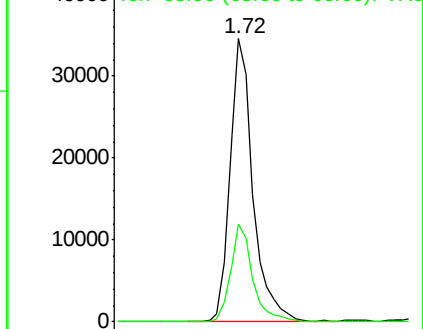
64 100

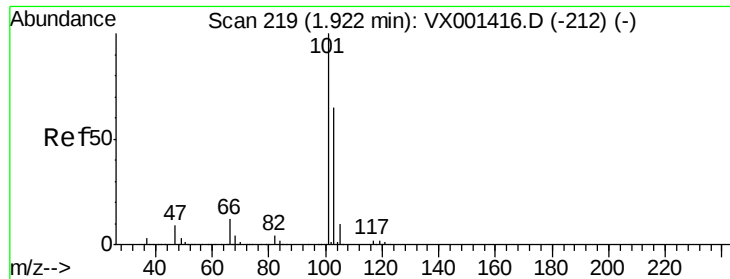
66 34.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 21.97 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:101 Resp: 113327

Ion Ratio Lower Upper

101 100

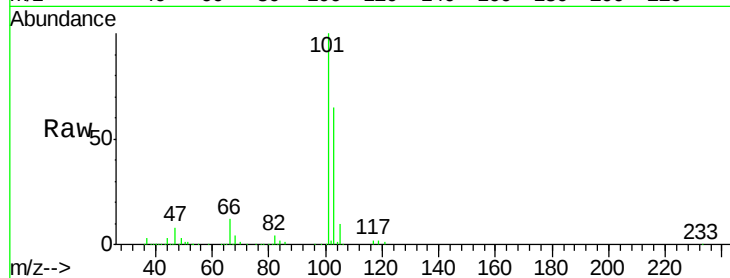
103 65.3 52.0 78.0

Manual Integrations

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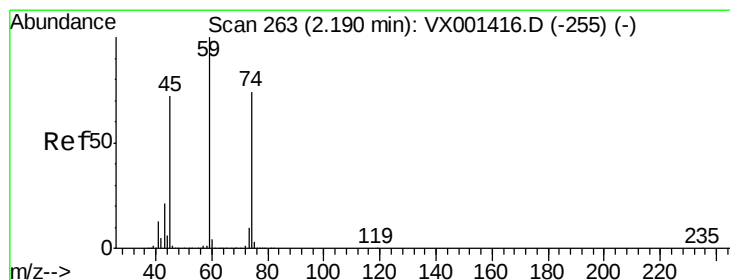
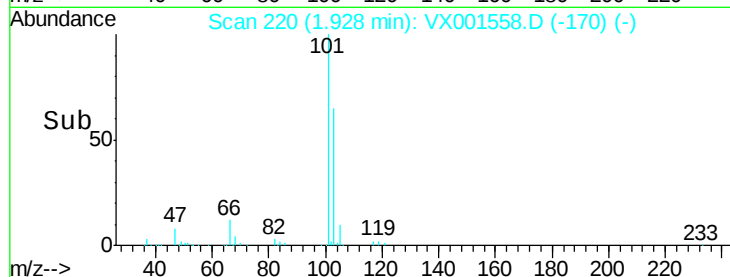
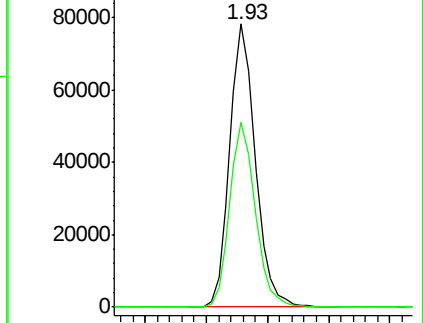
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.44 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001558.D

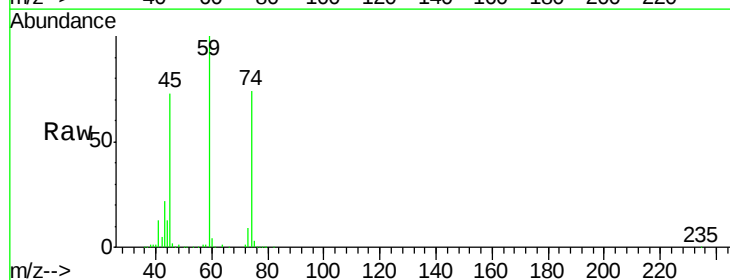
Acq: 09 May 2018 16:39

Tgt Ion: 74 Resp: 43348

Ion Ratio Lower Upper

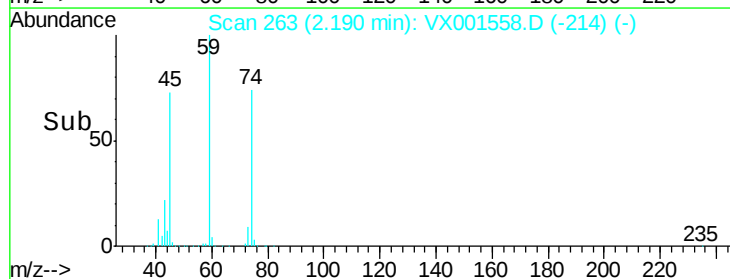
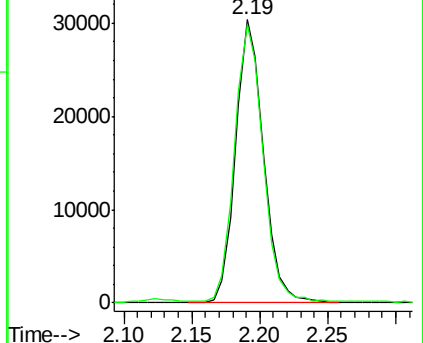
74 100

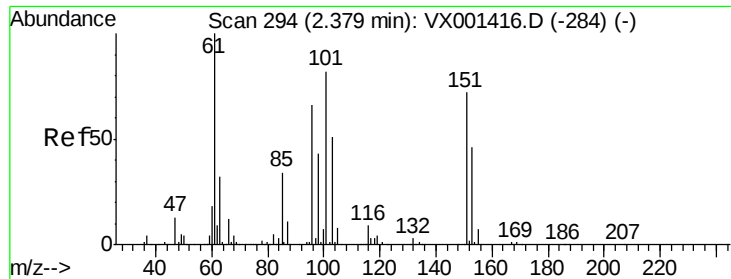
45 99.0 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.84 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

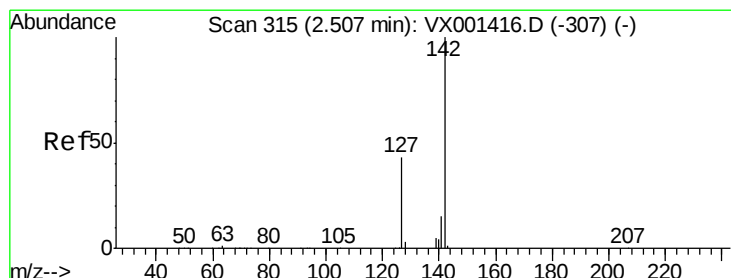
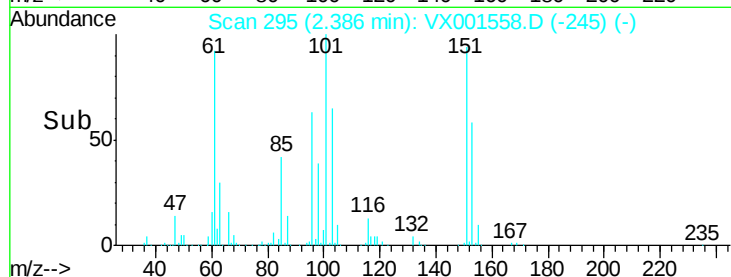
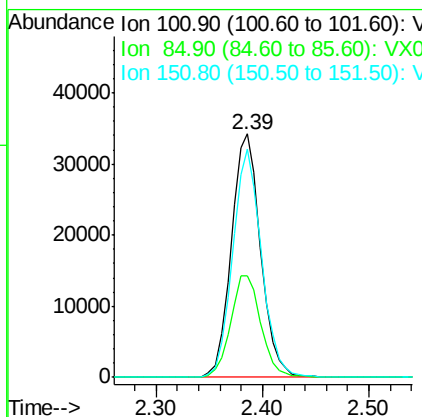
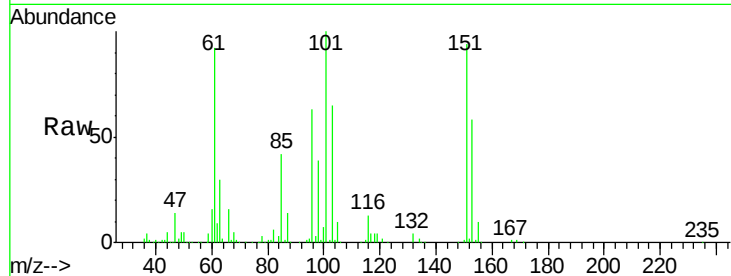
ClientSampleId :

VX0509WBS01

Tot Ion:	101	Resp:	66038
Ion Ratio	Lower	Upper	
101	100		
85	43.2	33.7	50.5
151	92.2	72.3	108.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.35 ug/l

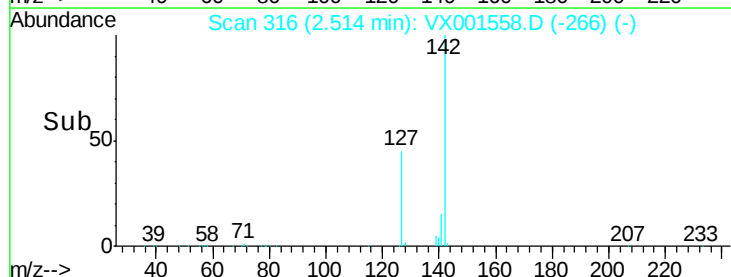
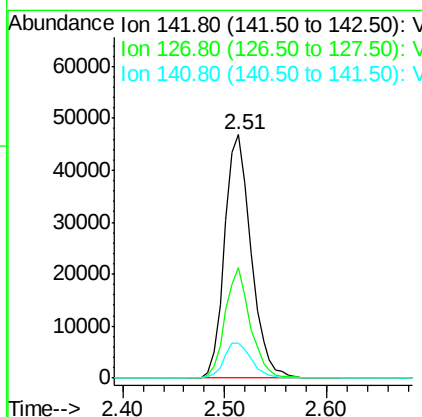
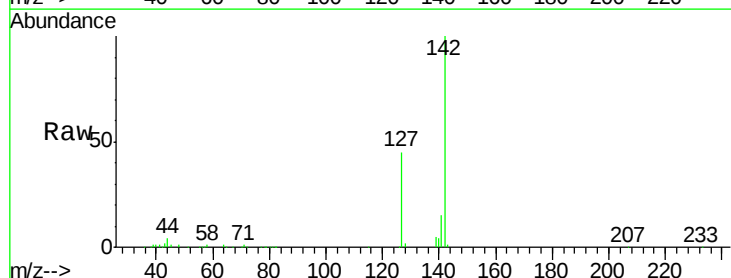
RT: 2.51 min Scan# 316

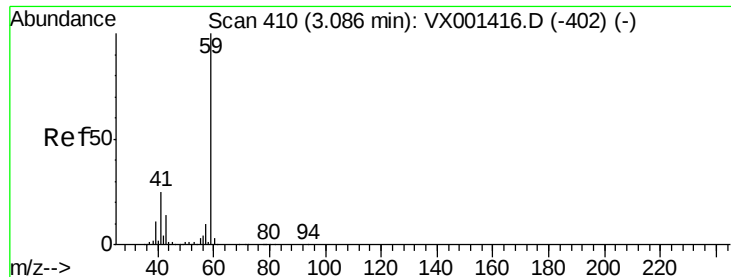
Delta R.T. 0.01 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Tgt Ion:	142	Resp:	84432
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.6	50.4
141	14.8	11.4	17.2





#11

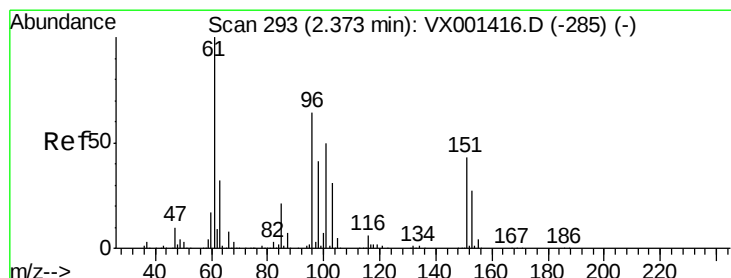
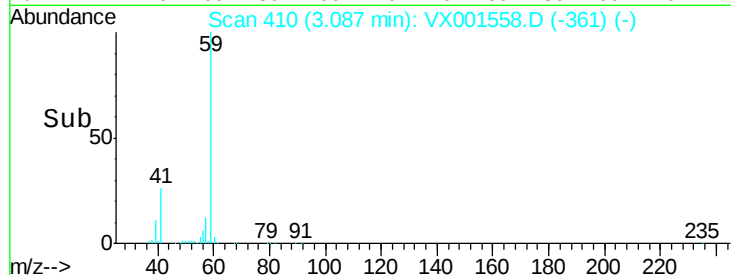
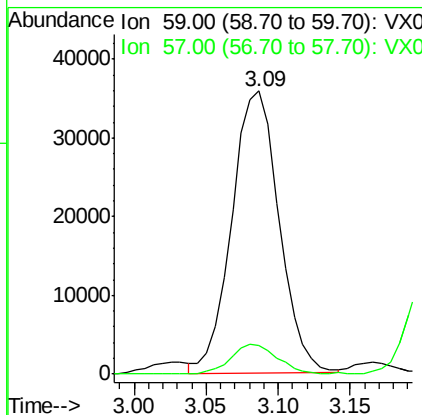
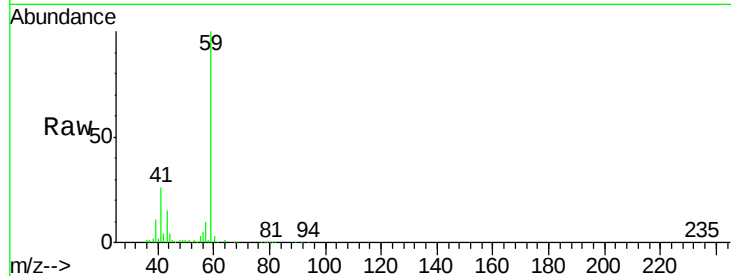
Tert butyl alcohol
Concen: 107.60 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion: 59 Resp: 81676
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

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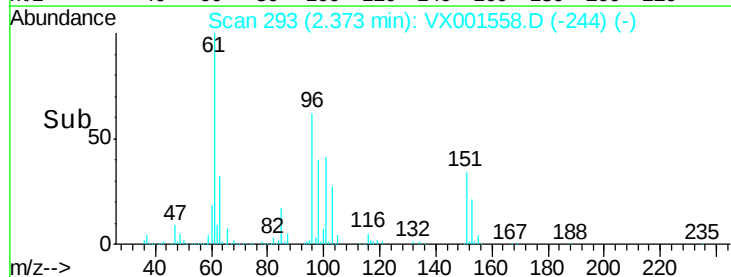
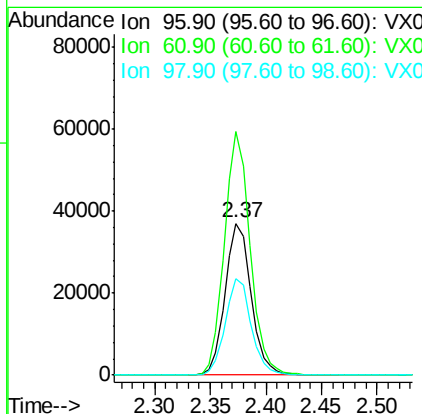
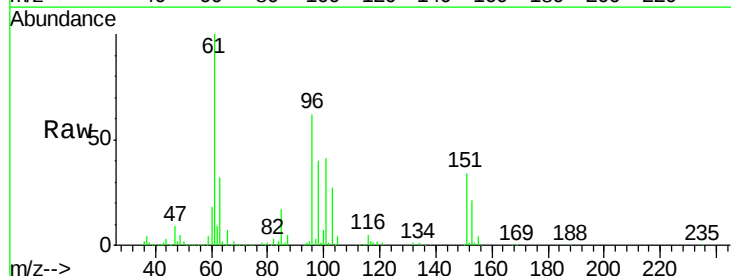
MMDadoda
5/10/2018 1:51:58 PM

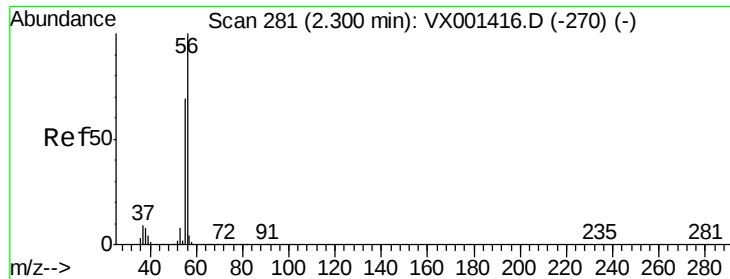


#12

1,1-Dichloroethene
Concen: 21.76 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion: 96 Resp: 60302
Ion Ratio Lower Upper
96 100
61 160.7 125.7 188.5
98 64.0 52.0 78.0





#13

Acrolein

Concen: 85.44 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 56 Resp: 13934

Ion Ratio Lower Upper

56 100

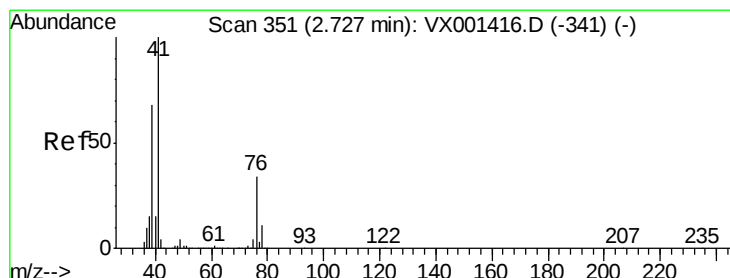
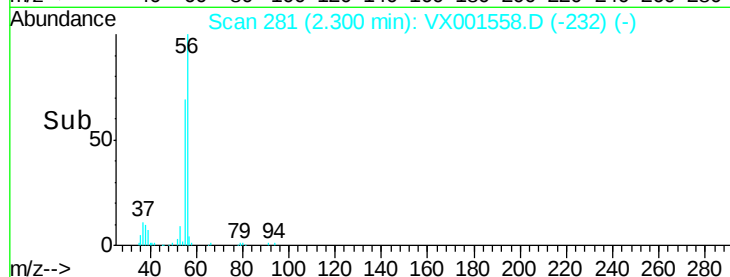
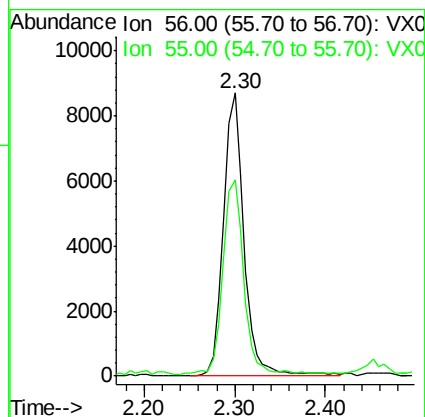
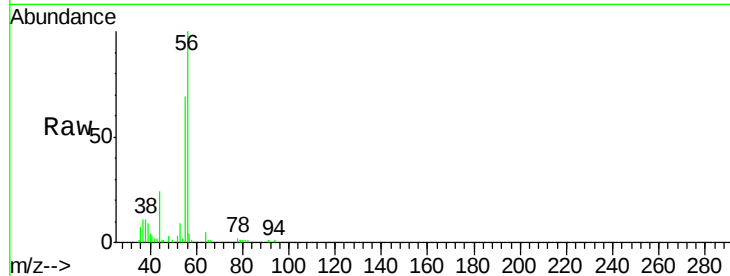
55 68.3 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 21.83 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

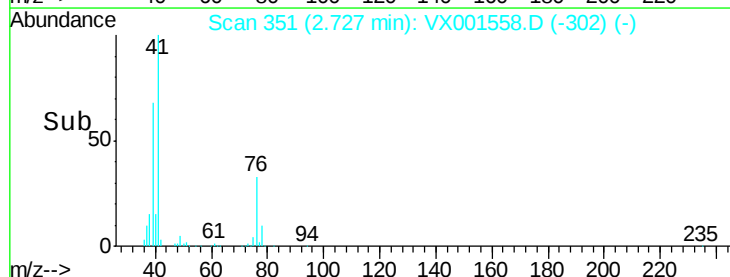
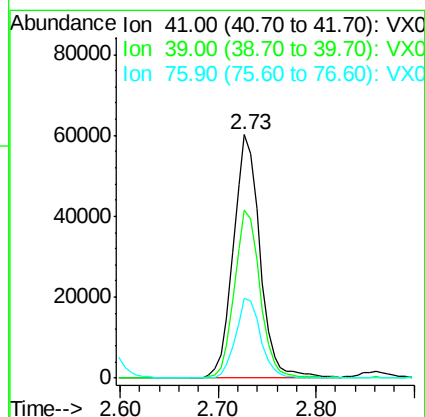
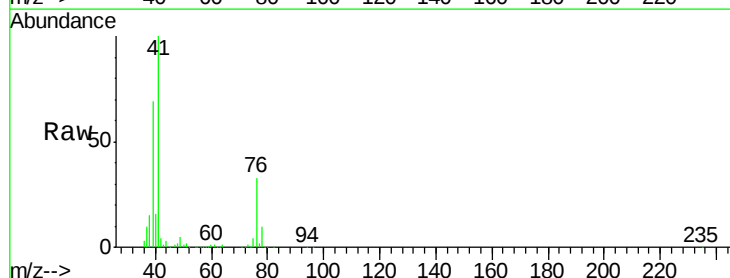
Tgt Ion: 41 Resp: 112837

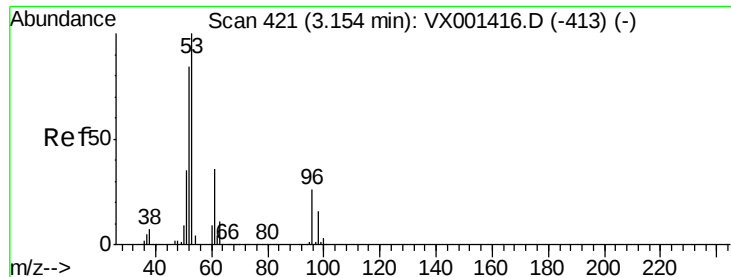
Ion Ratio Lower Upper

41 100

39 66.7 52.4 78.6

76 31.5 25.8 38.6





#15

Acrylonitrile

Concen: 110.06 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

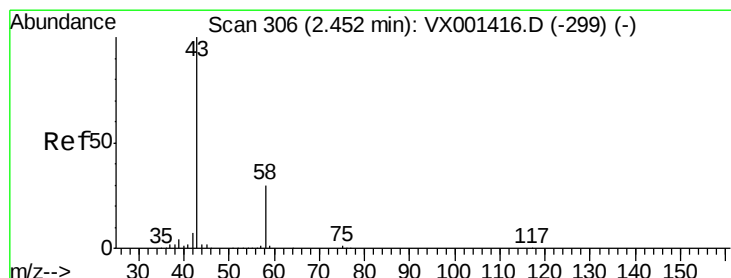
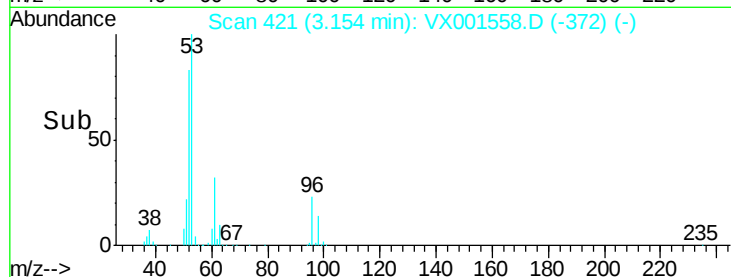
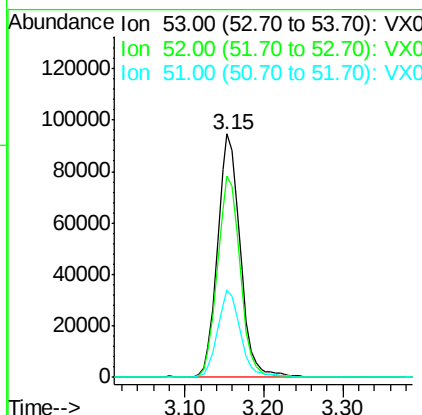
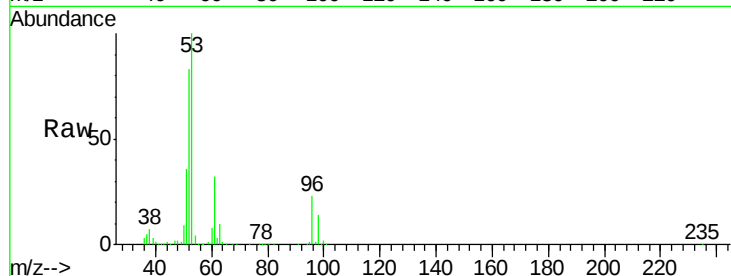
ClientSampleId :

VX0509WBS01

Tot Ion:	53	Resp:	188780
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.2
51	36.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 124.08 ug/l

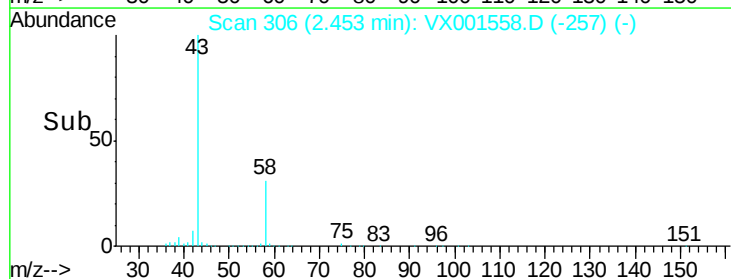
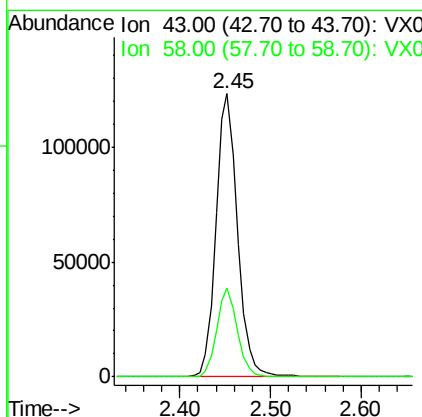
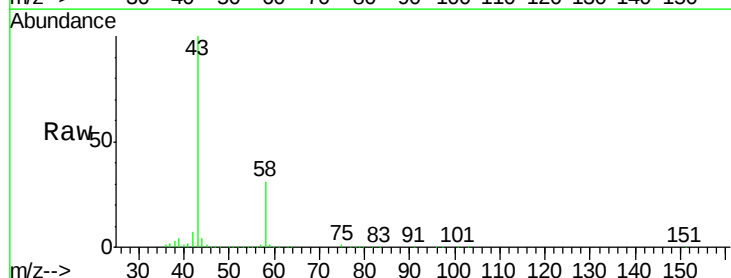
RT: 2.45 min Scan# 306

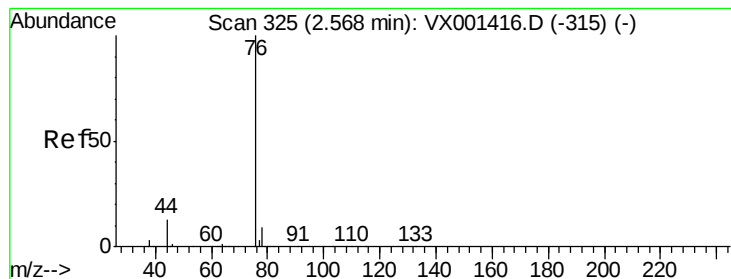
Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Tgt Ion:	43	Resp:	202845
Ion Ratio	Lower	Upper	
43	100		
58	31.4	23.8	35.8





#17

Carbon Disulfide

Concen: 19.18 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 76 Resp: 135269

Ion Ratio Lower Upper

76 100

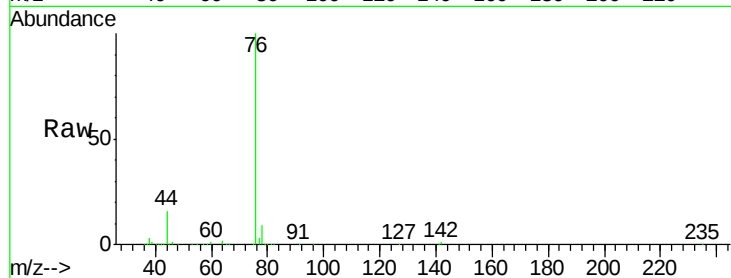
78 9.2 7.4 11.2

Manual Integrations

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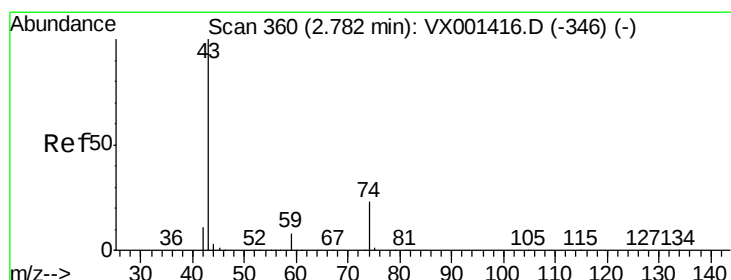
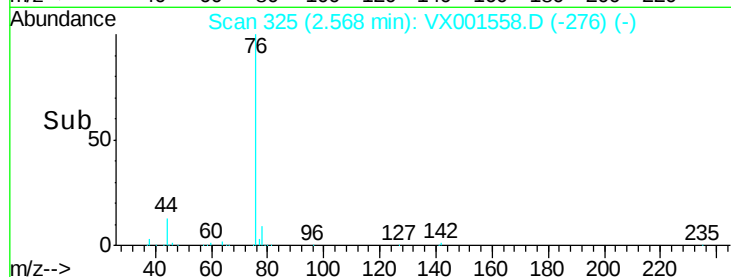
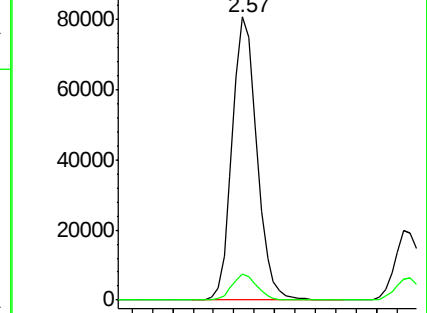
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.21 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001558.D

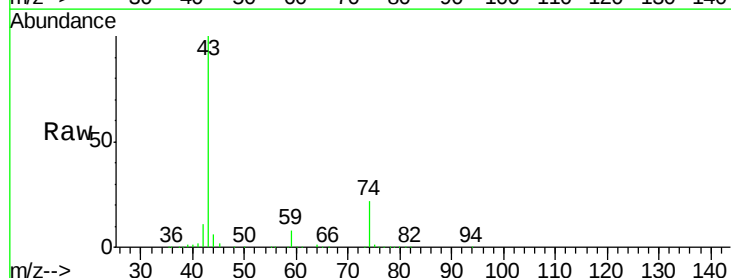
Acq: 09 May 2018 16:39

Tgt Ion: 43 Resp: 104001

Ion Ratio Lower Upper

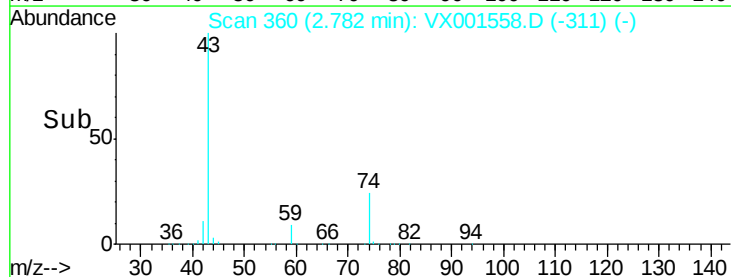
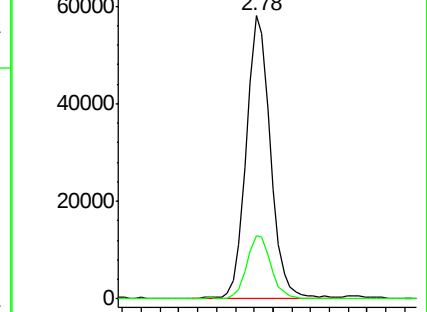
43 100

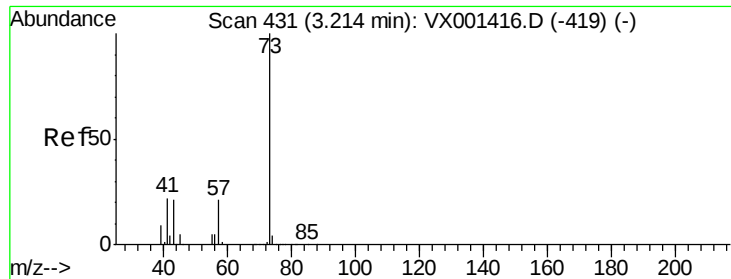
74 22.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





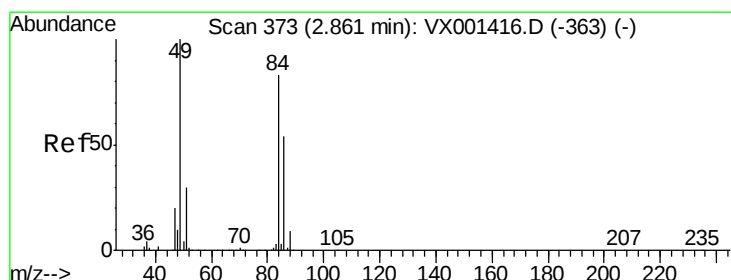
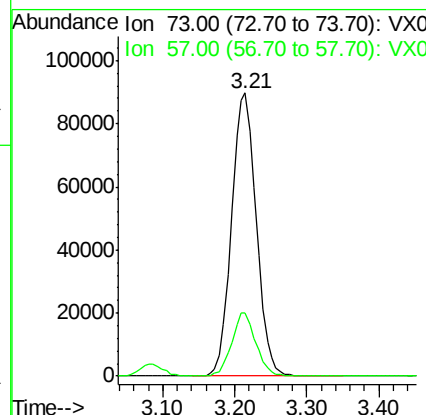
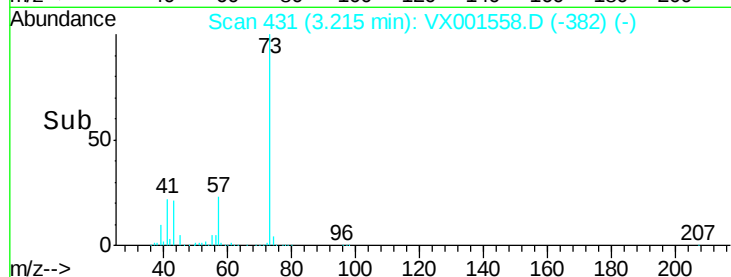
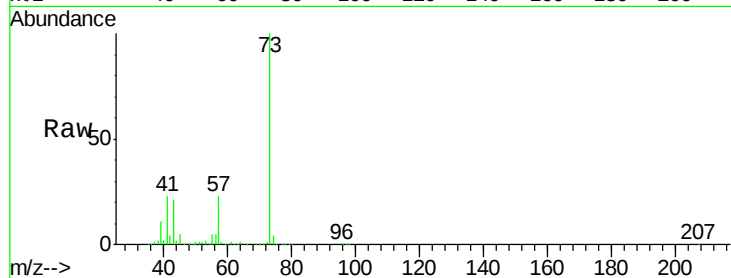
#19
Methyl tert-butyl Ether
Concen: 22.21 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.0	25.6

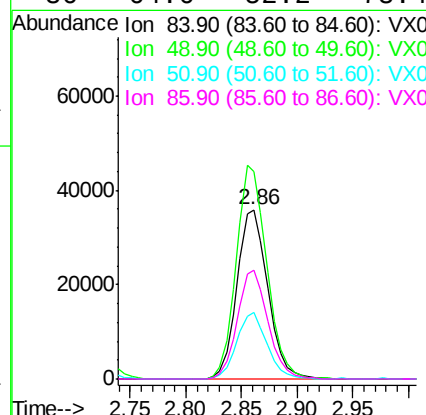
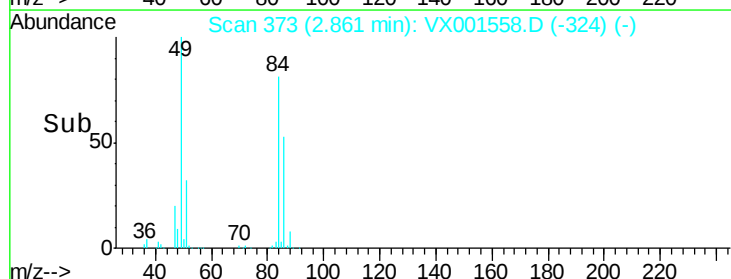
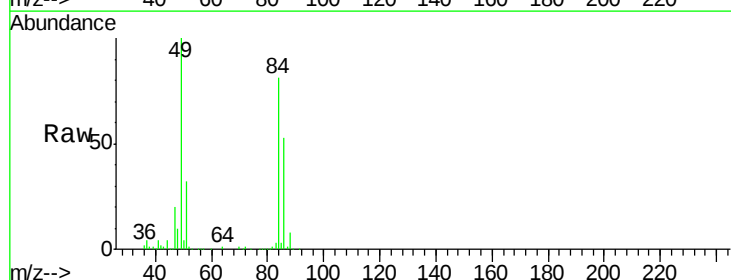
Manual Integrations
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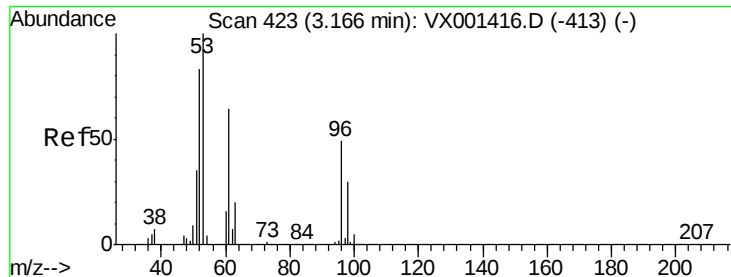
MMDadoda
5/10/2018 1:51:58 PM



#20
Methylene Chloride
Concen: 21.29 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.7	96.6	144.8
51	38.7	29.0	43.4
86	64.6	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 20.60 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

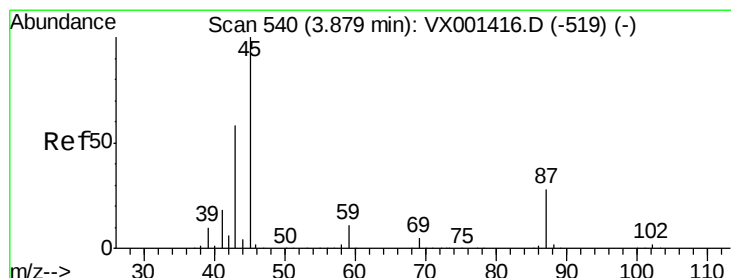
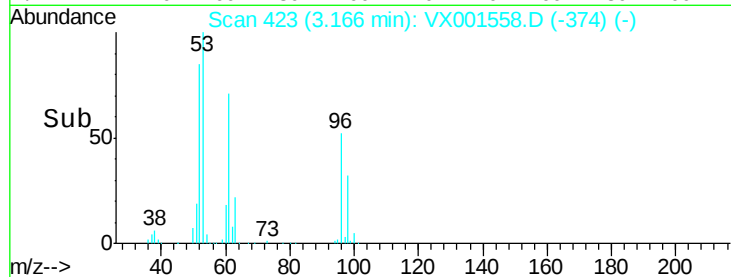
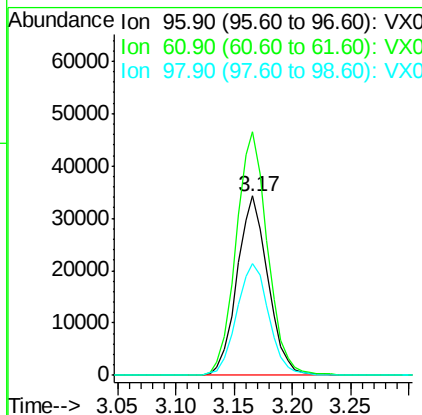
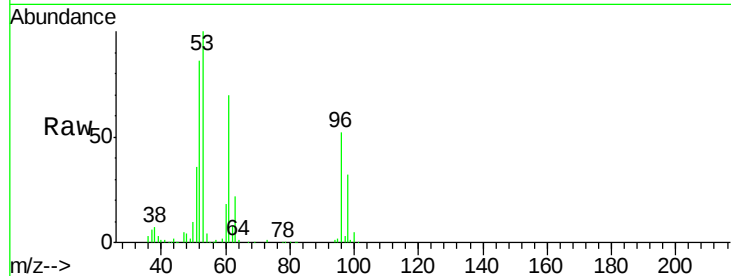
ClientSampleId :

VX0509WBS01

Tot Ion:	96	Resp:	63728
Ion	Ratio	Lower	Upper
96	100		
61	135.9	105.0	157.4
98	62.6	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.32 ug/l

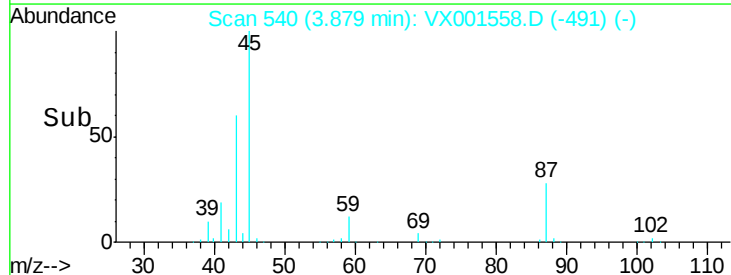
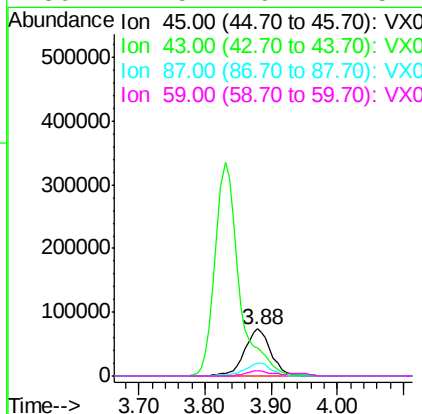
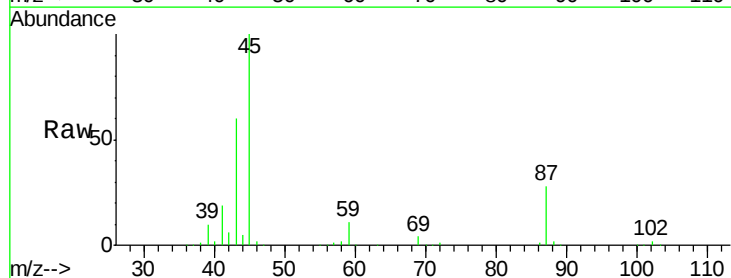
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Tgt Ion:	45	Resp:	205865
Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.5	69.7
87	27.9	22.6	34.0
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 106.20 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 43 Resp: 854551

Ion Ratio Lower Upper

43 100

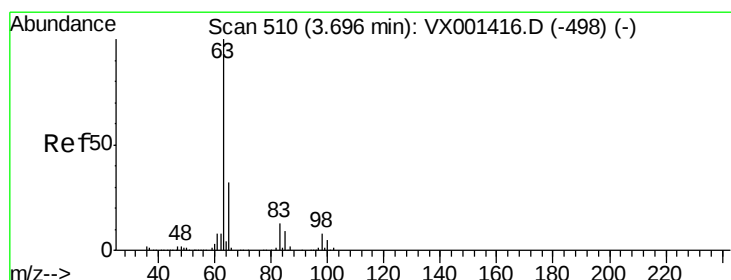
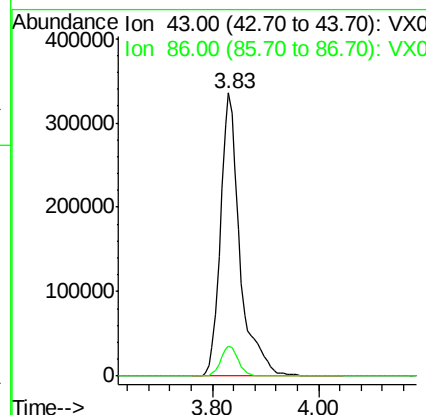
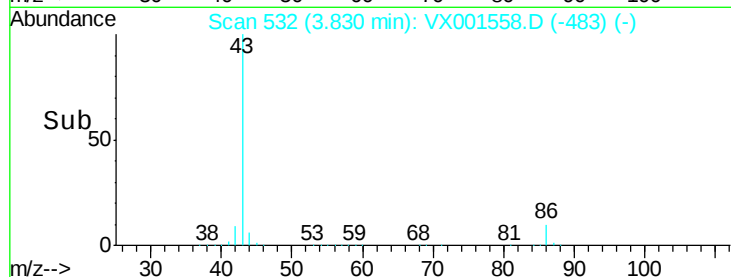
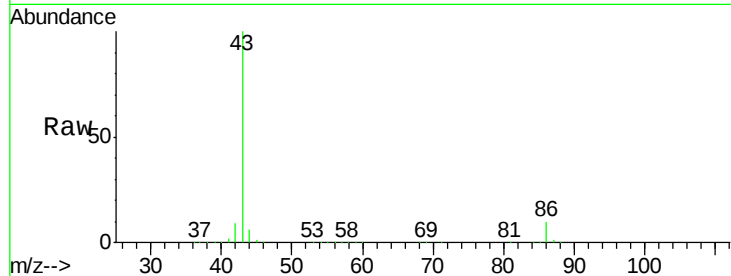
86 10.4 8.6 13.0

Manual Integrations

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MMDadoda

5/10/2018 1:51:58 PM



#24

1,1-Dichloroethane

Concen: 22.49 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

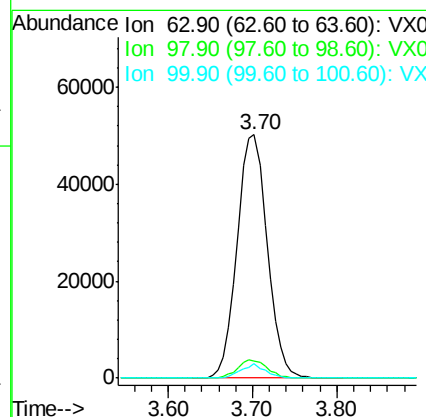
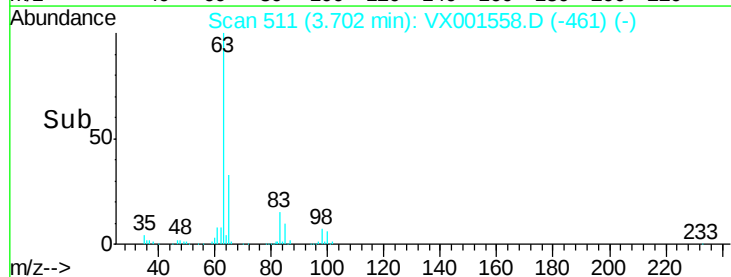
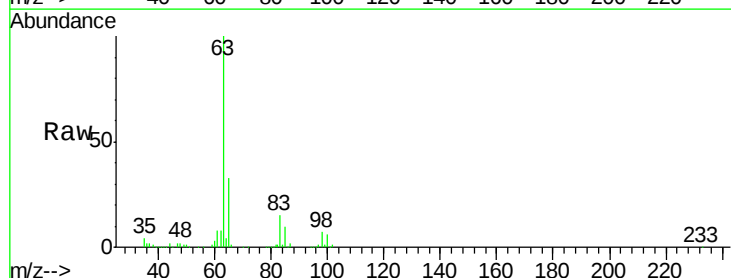
Tgt Ion: 63 Resp: 121285

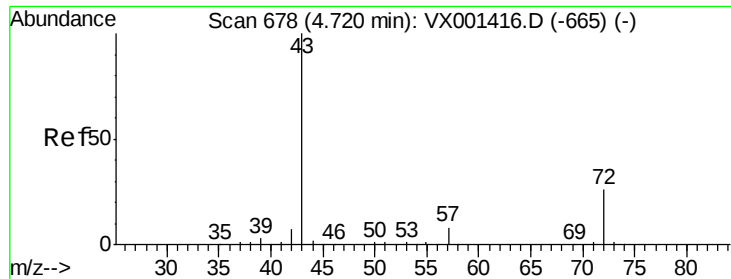
Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 5.7 2.4 7.1





#25

2-Butanone

Concen: 113.36 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 43 Resp: 267865

Ion Ratio Lower Upper

43 100

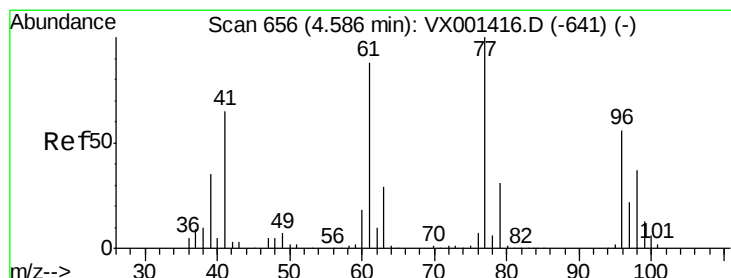
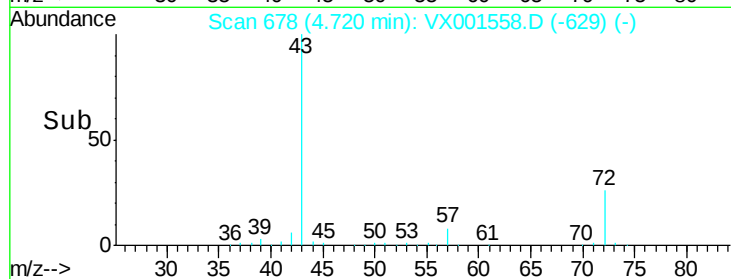
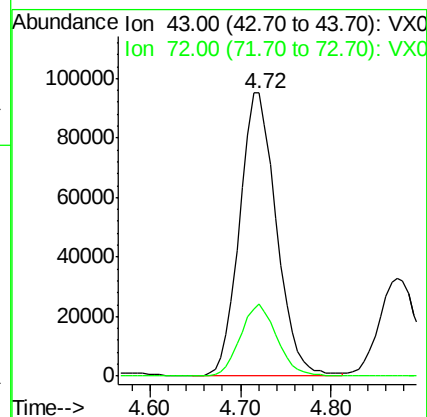
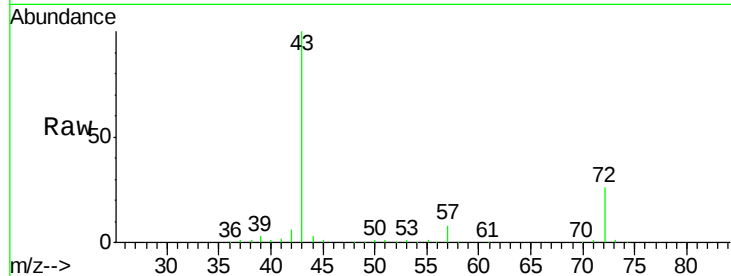
72 25.6 20.7 31.1

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:51:58 PM



#26

2,2-Dichloropropane

Concen: 22.26 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001558.D

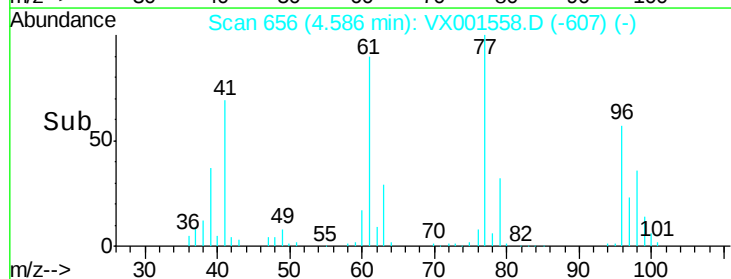
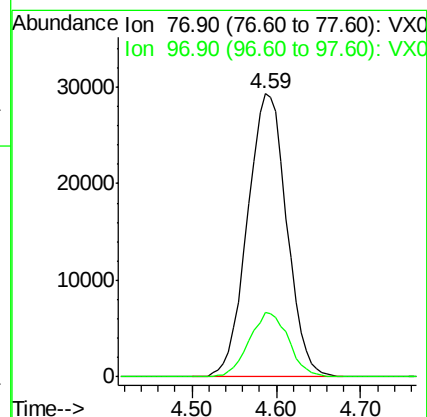
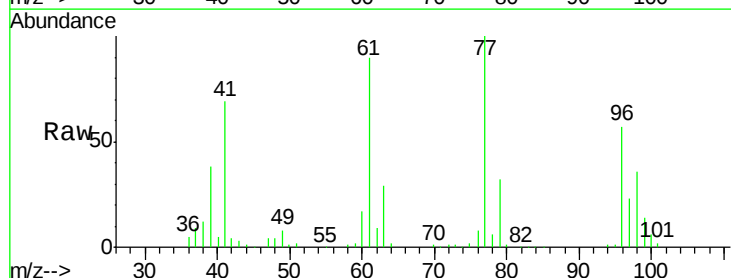
Acq: 09 May 2018 16:39

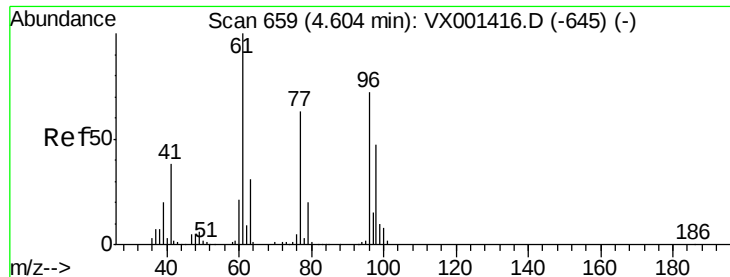
Tgt Ion: 77 Resp: 92706

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.6





#27

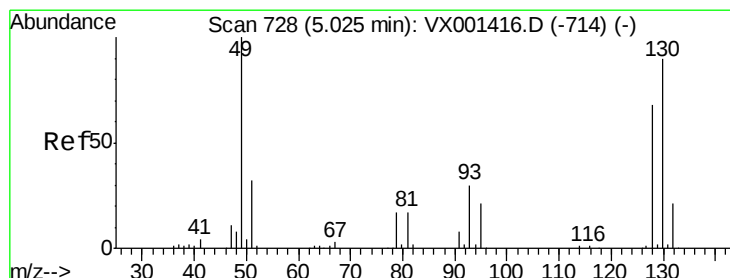
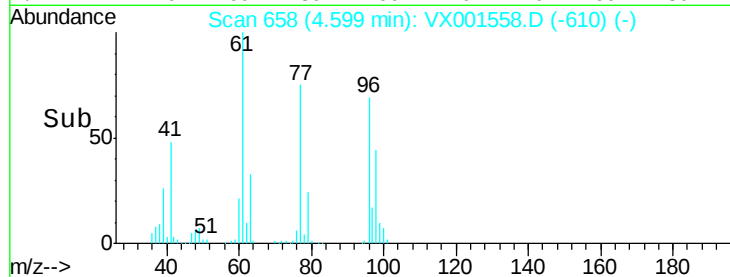
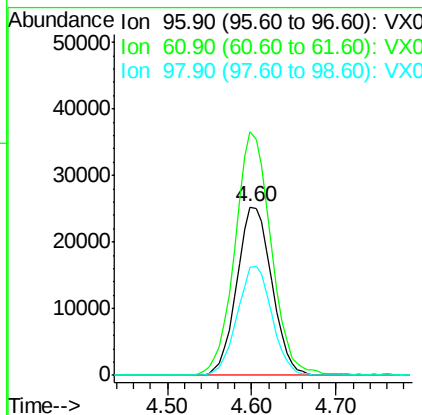
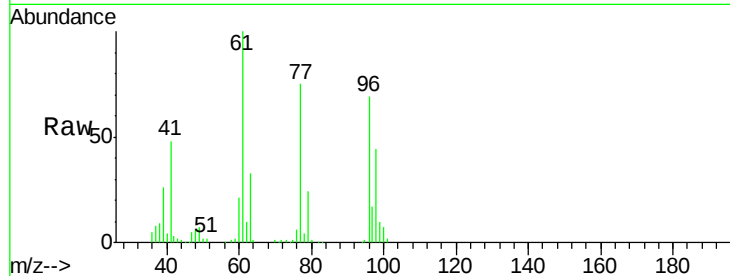
cis-1,2-Dichloroethene
 Concen: 21.55 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	301.6
98	64.1	0.0	131.6

Manual Integrations
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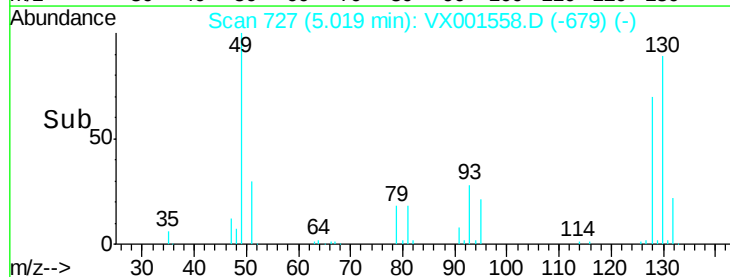
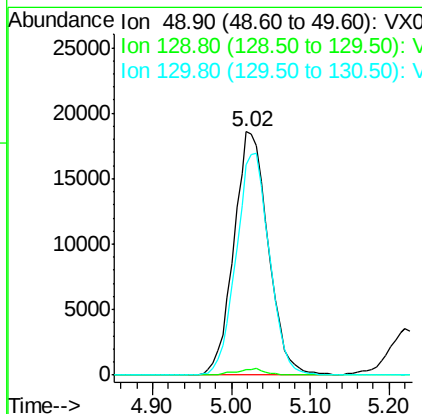
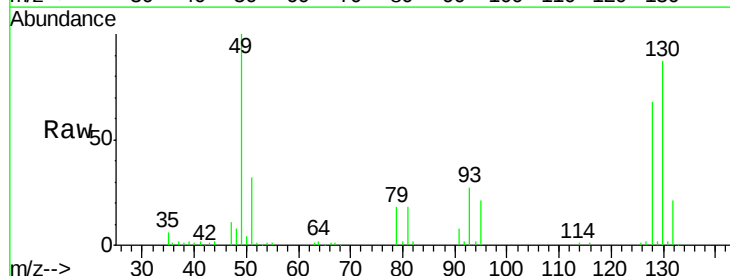
MMDadoda
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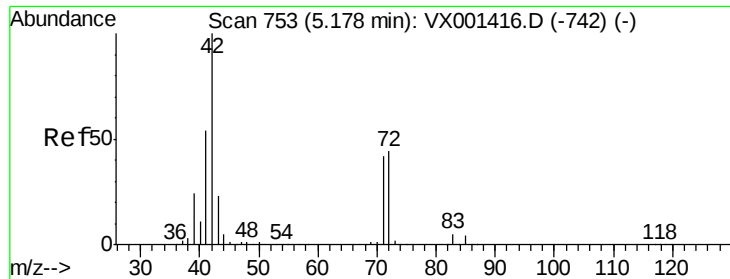


#28

Bromochloromethane
 Concen: 24.02 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	88.4	71.9	107.9





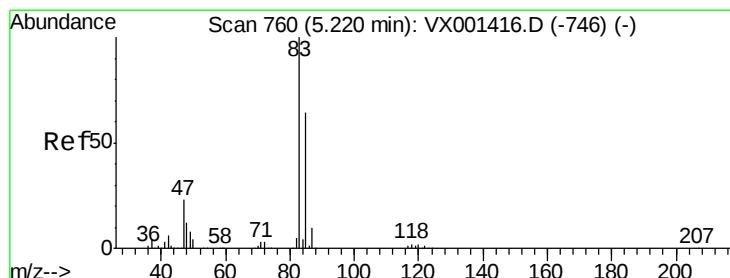
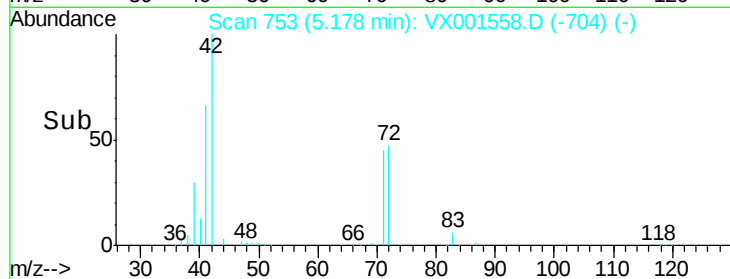
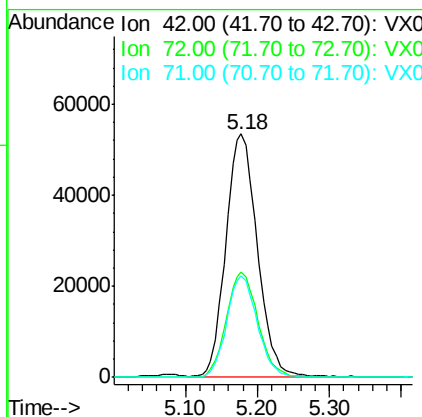
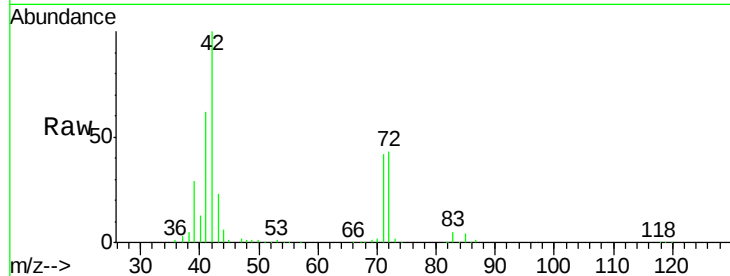
#29
Tetrahydrofuran
Concen: 106.88 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.4	53.2
71	40.9	33.0	49.4

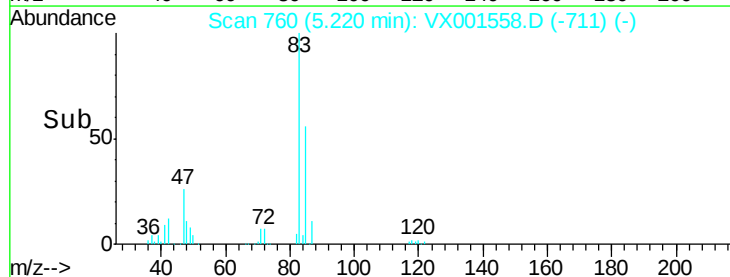
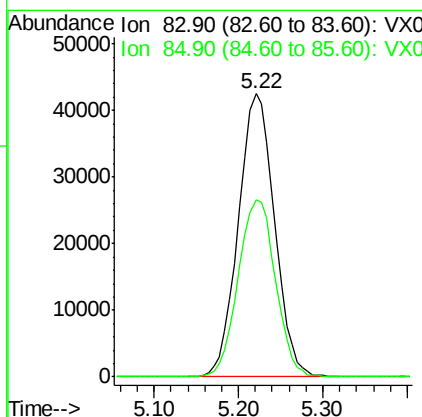
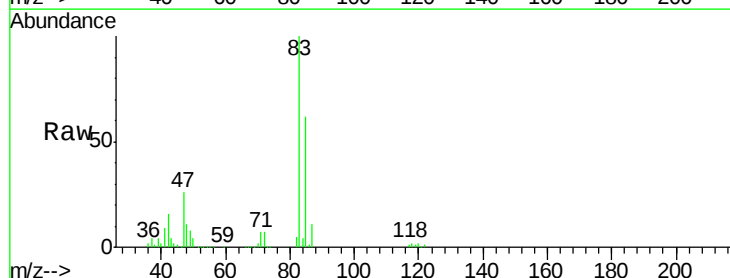
Manual Integrations
APPROVED

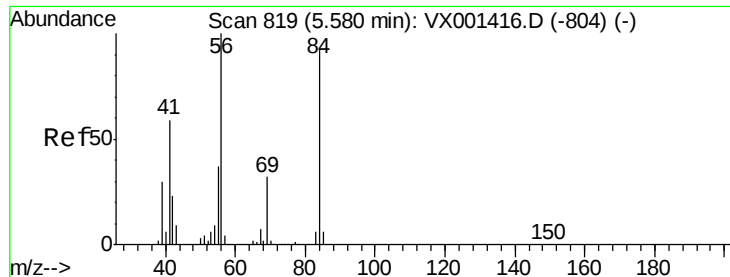
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#30
Chloroform
Concen: 22.22 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.0	76.4





#31

Cyclohexane

Concen: 20.82 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

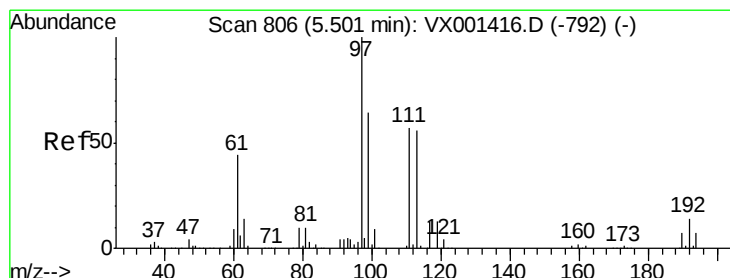
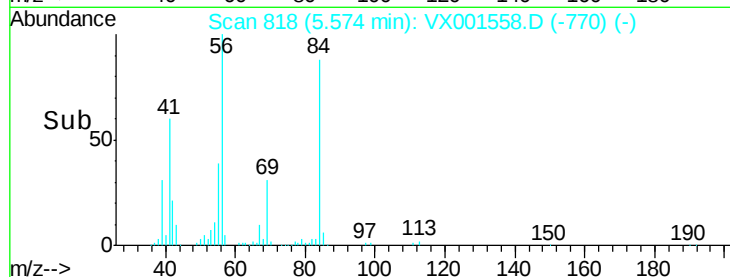
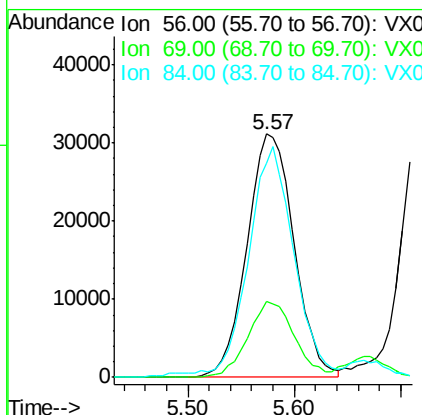
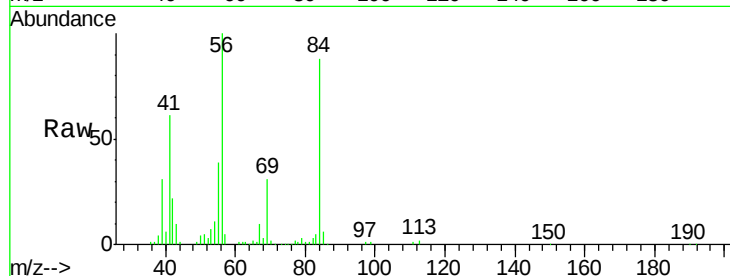
ClientSampleId :

VX0509WBS01

Tot Ion:	56	Resp:	96469
Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.4	38.0
84	86.3	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.43 ug/l

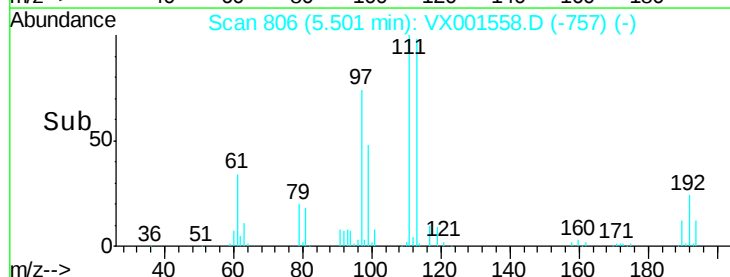
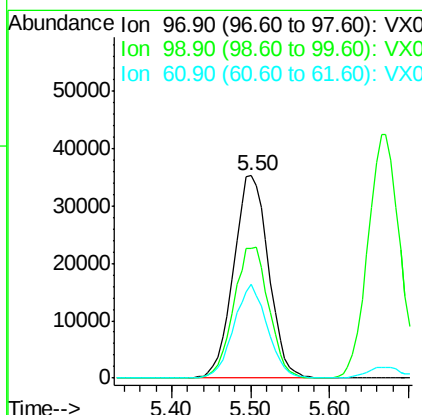
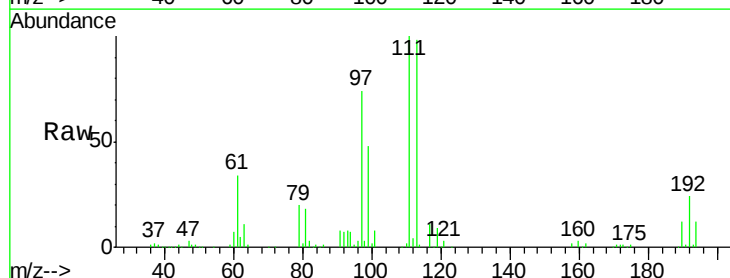
RT: 5.50 min Scan# 806

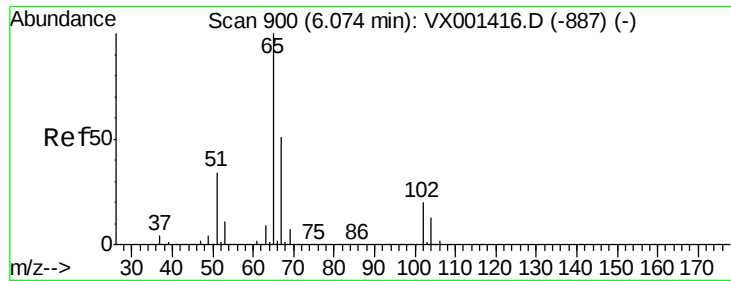
Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Tgt Ion:	97	Resp:	108894
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	44.6	34.8	52.2





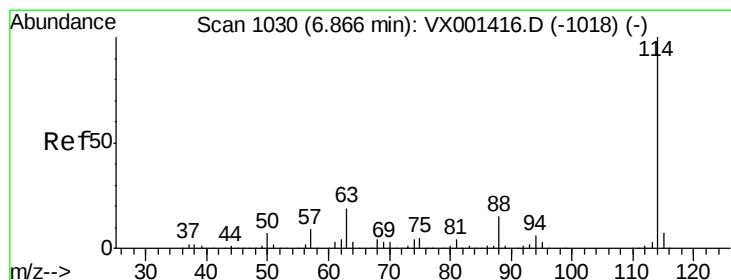
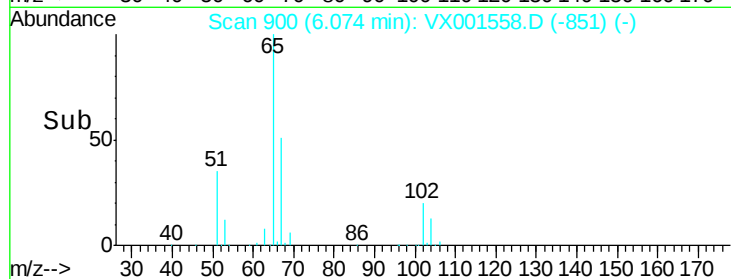
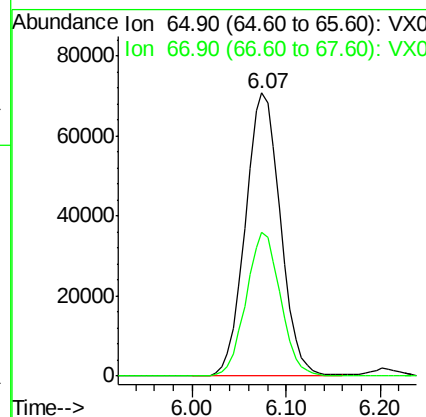
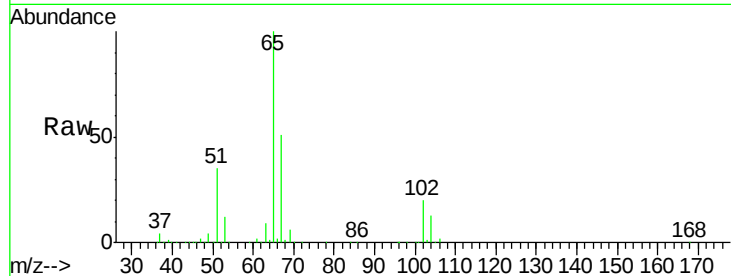
#33
 1,2-Dichloroethane-d4
 Concen: 50.92 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183304		
67	49.8	0.0	101.8	

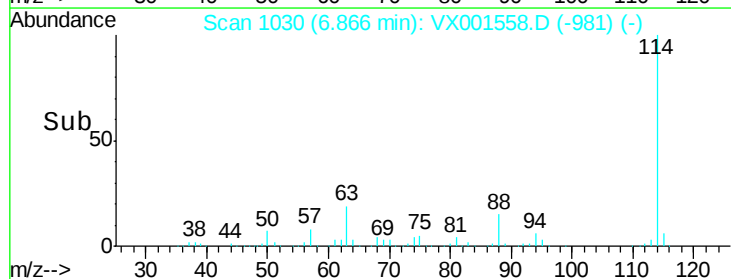
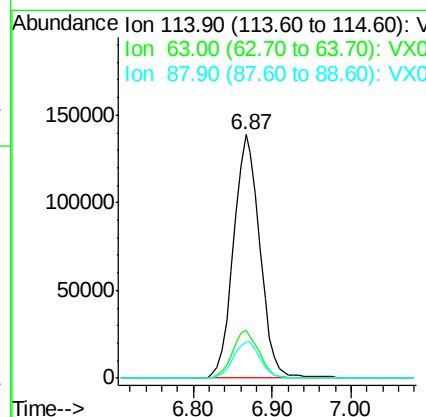
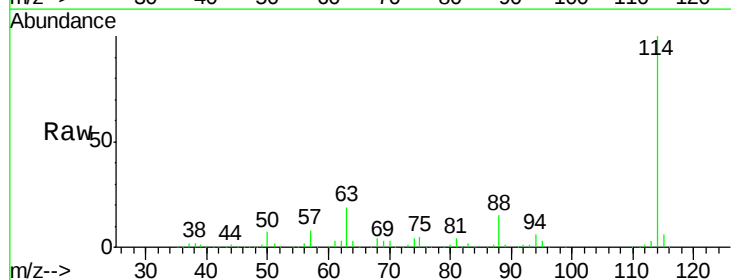
Manual Integrations
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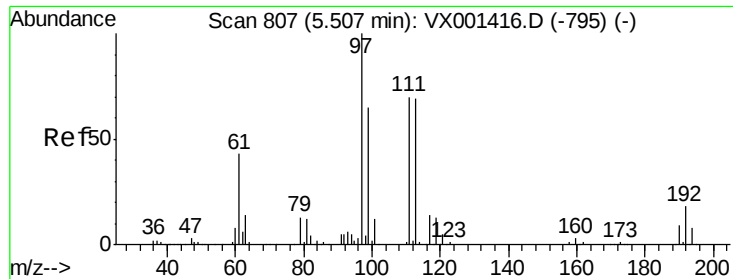
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	322963		
63	19.4	0.0	38.6	
88	15.1	0.0	30.8	





#35

Dibromofluoromethane

Concen: 51.32 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

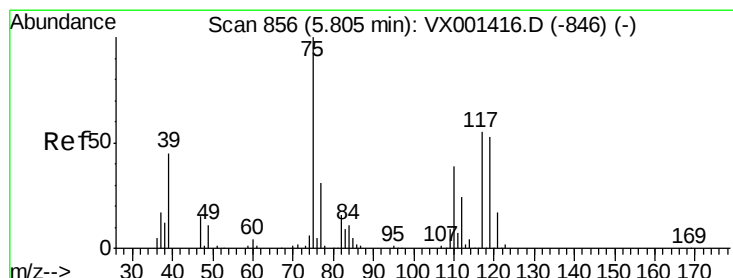
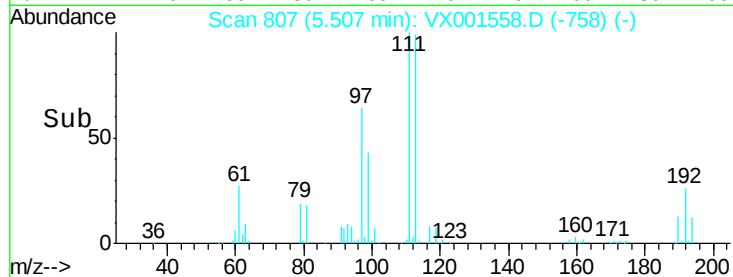
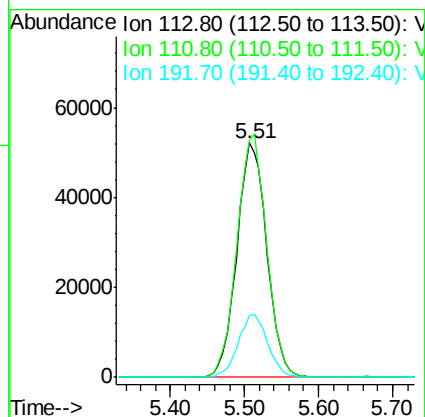
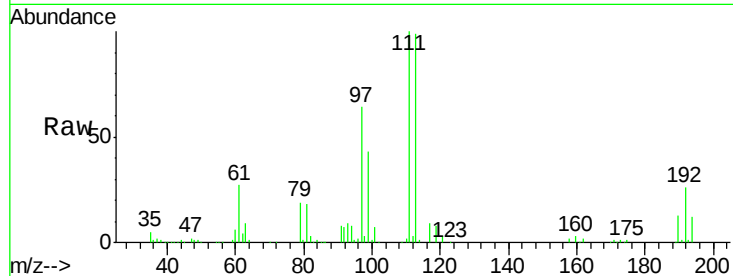
ClientSampleId :

VX0509WBS01

Tot Ion:	113	Resp:	147427
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.2
192	26.4	21.4	32.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.17 ug/l

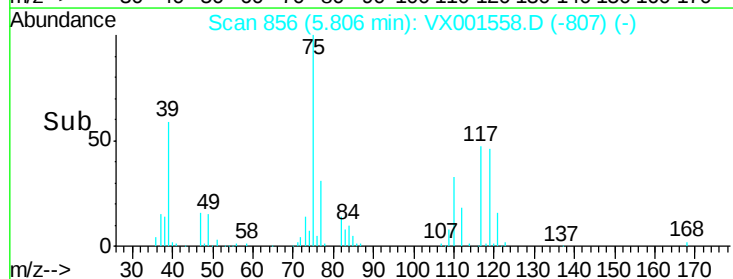
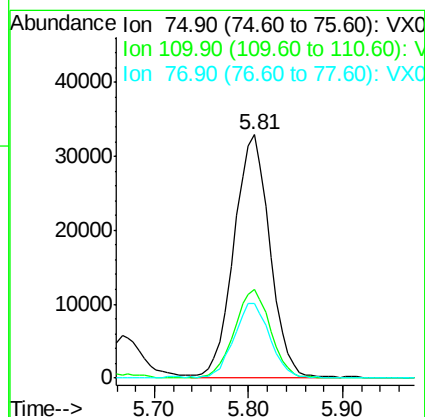
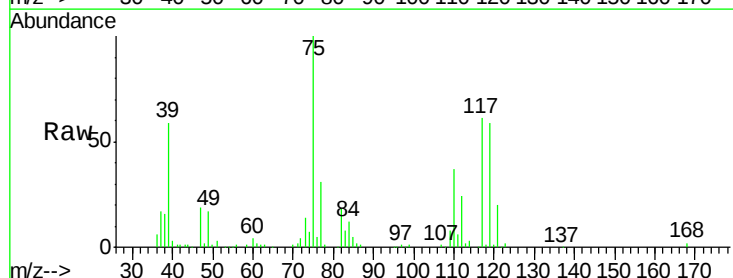
RT: 5.81 min Scan# 856

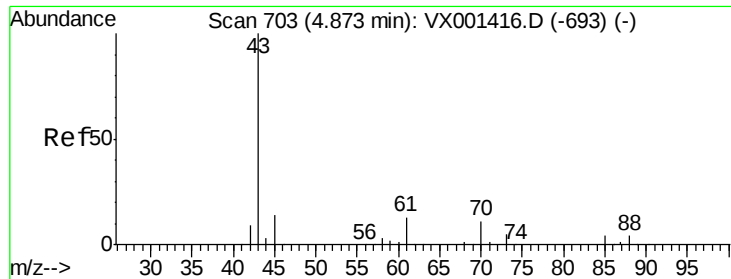
Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Tgt Ion:	75	Resp:	86969
Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.9	56.7
77	30.7	24.9	37.3





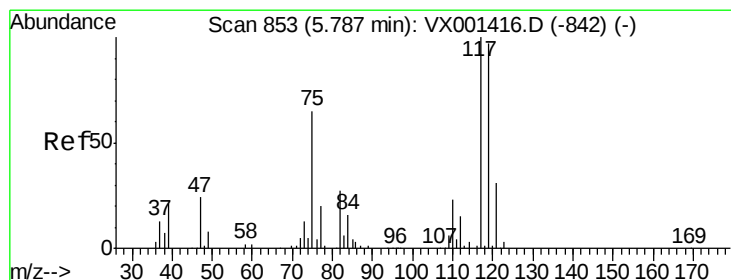
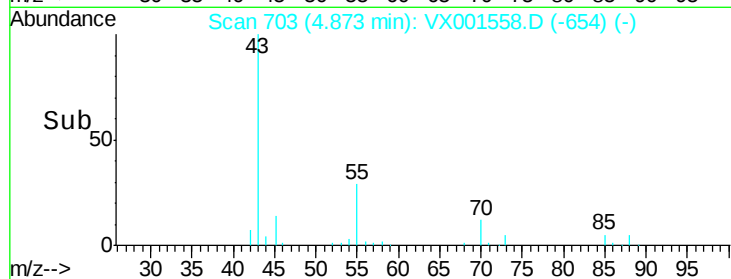
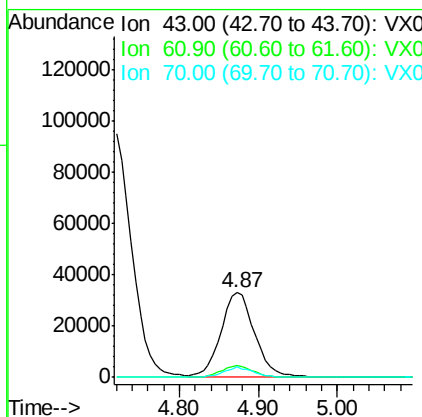
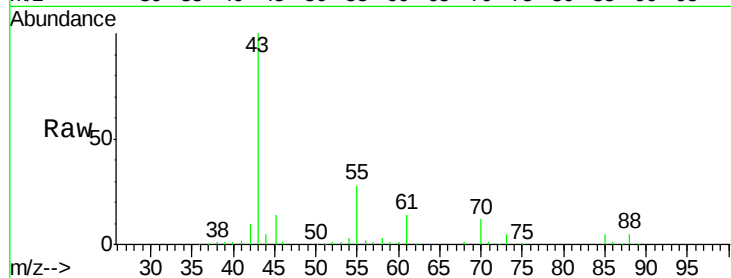
#37
Ethyl Acetate
Concen: 21.64 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.7	8.4	12.6

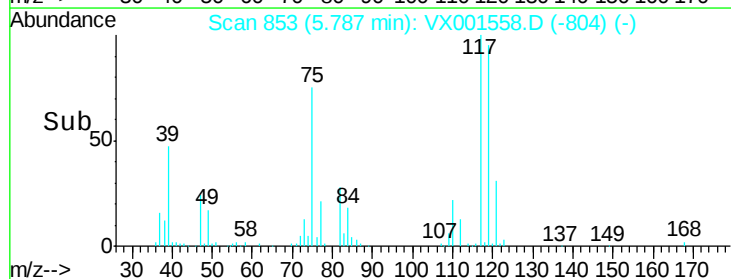
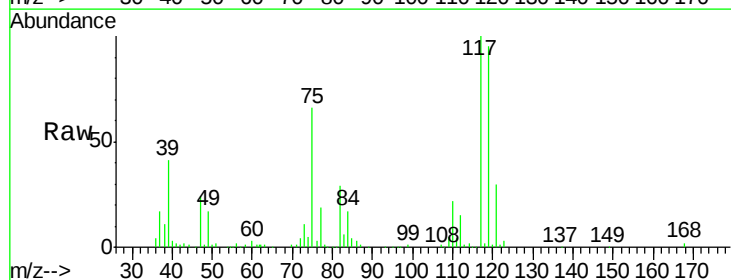
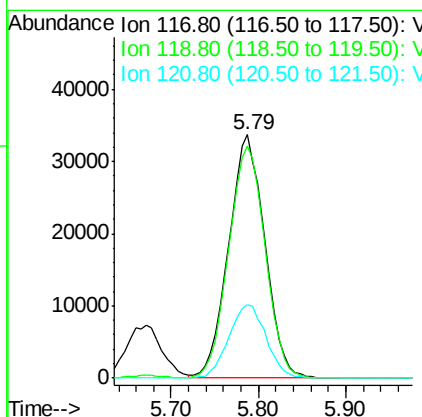
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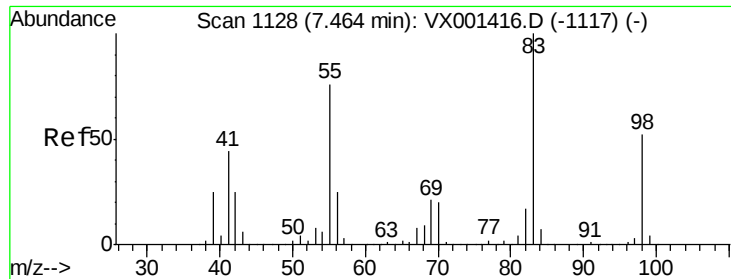
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#38
Carbon Tetrachloride
Concen: 22.11 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.6
121	30.2	25.1	37.7





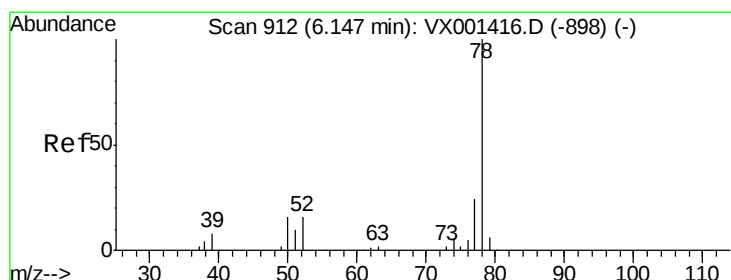
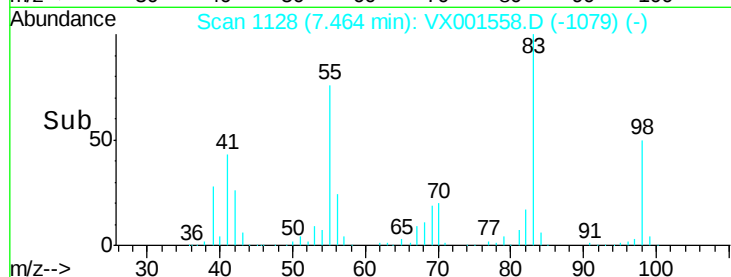
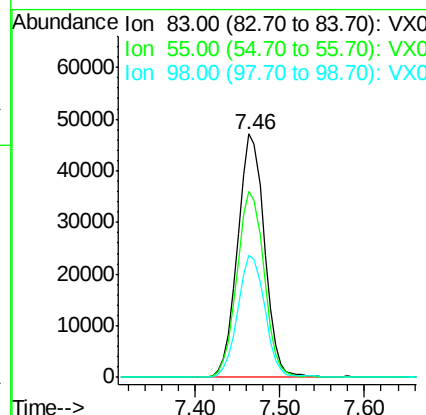
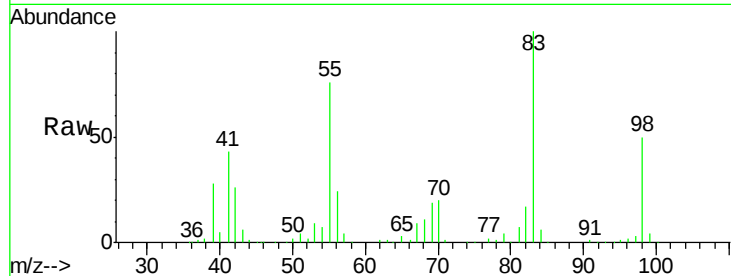
#39
Methvlcvclohexane
Concen: 20.95 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	83	Resp	101773
Ion Ratio	Lower	Upper	
83	100		
55	76.2	60.9	91.3
98	50.0	41.9	62.9

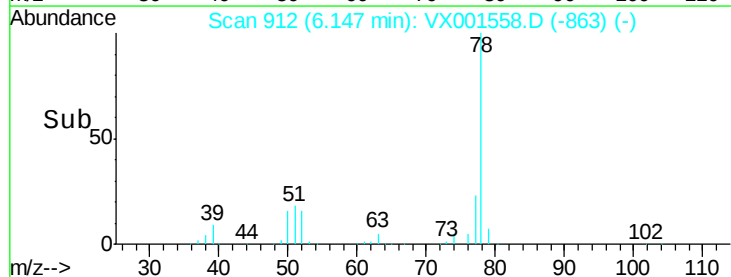
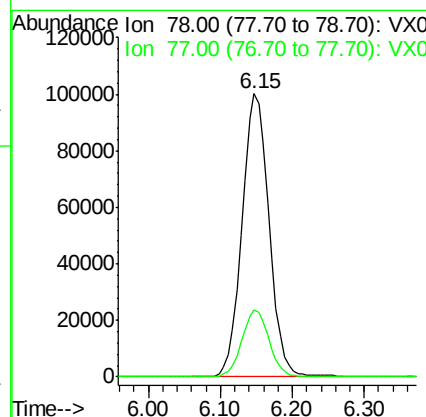
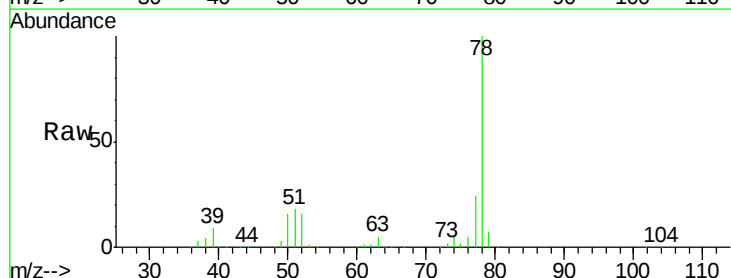
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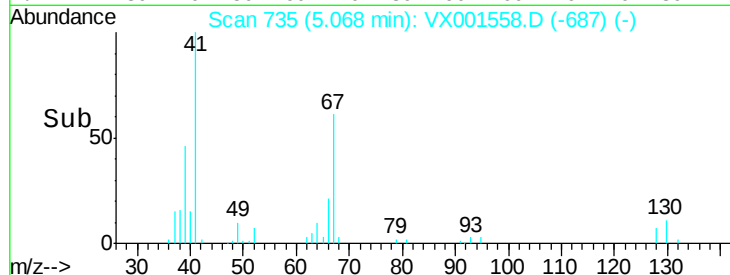
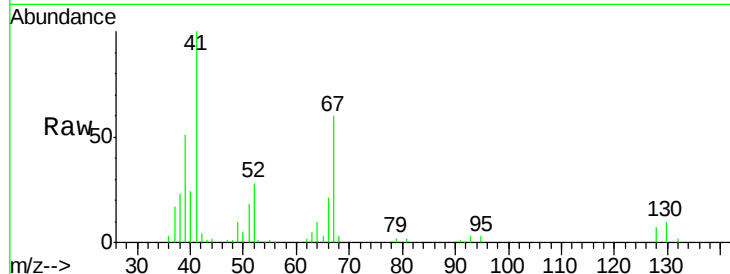
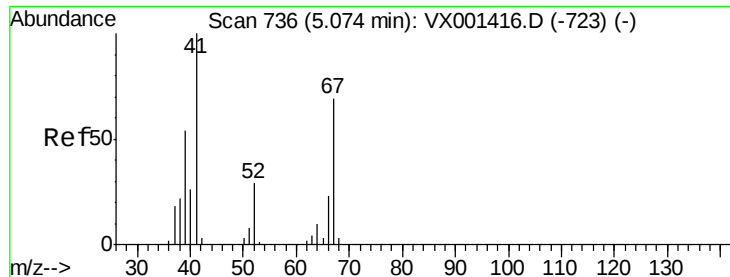
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#40
Benzene
Concen: 21.73 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	78	Resp	260757
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.4	29.2





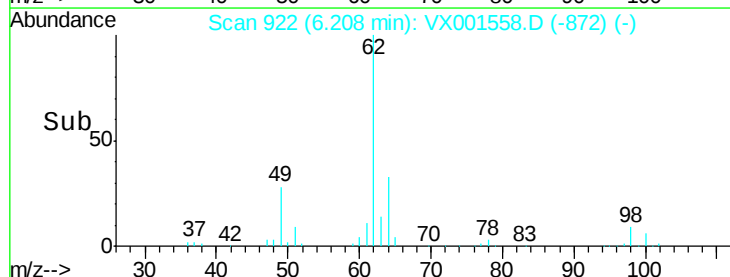
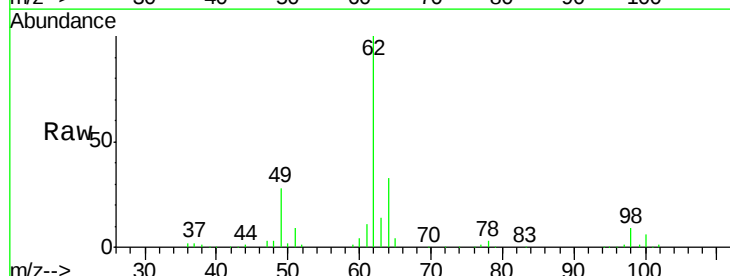
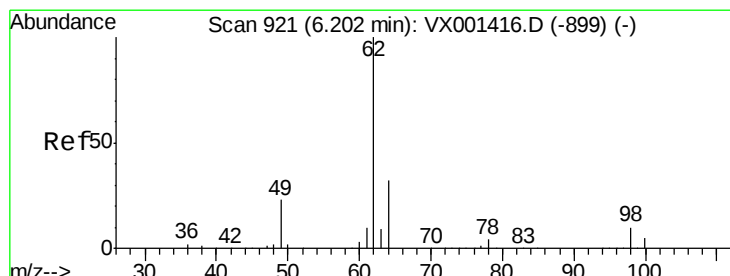
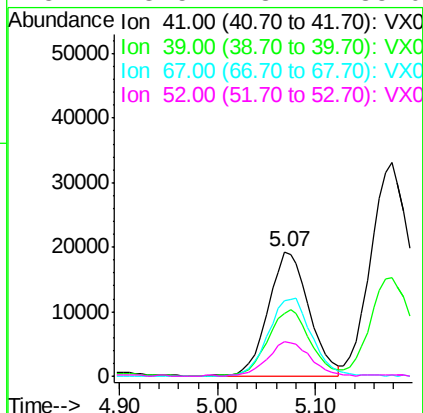
#41
Methacrylonitrile
Concen: 21.81 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	45.0	67.6	
67	66.3	55.0	82.6	
52	28.5	23.4	35.0	

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

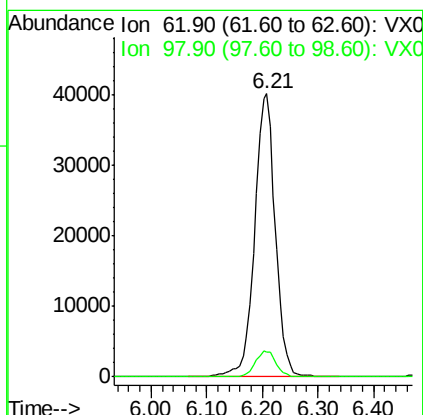
Manual Integrations
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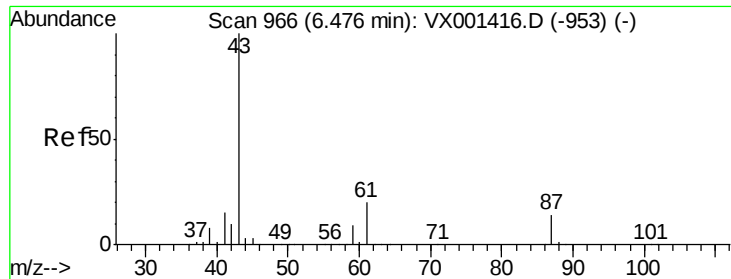
MMDadoda
5/10/2018 1:51:58 PM



#42
1,2-Dichloroethane
Concen: 22.64 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	19.0	





#43

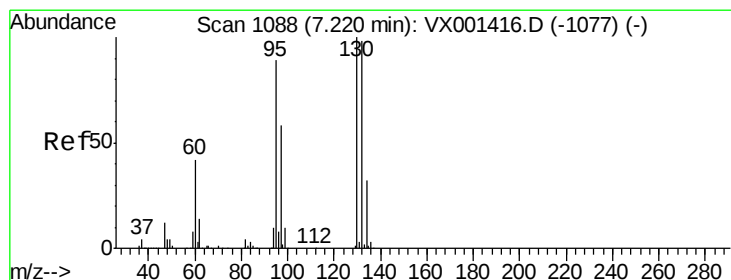
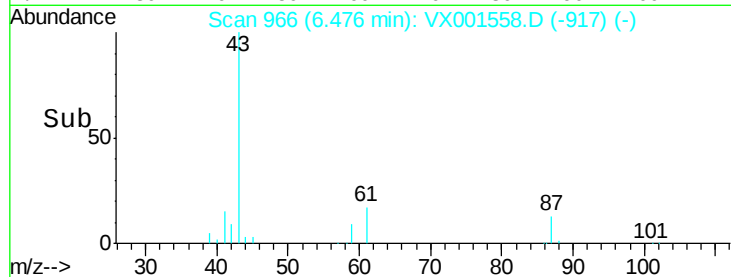
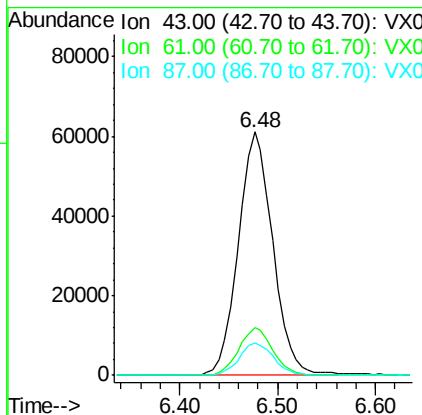
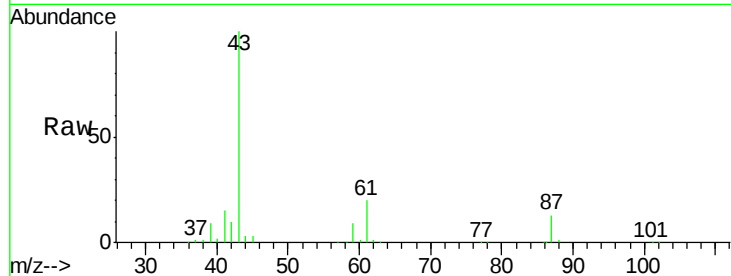
Isopropyl Acetate
 Concen: 21.55 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.5	10.8	16.2

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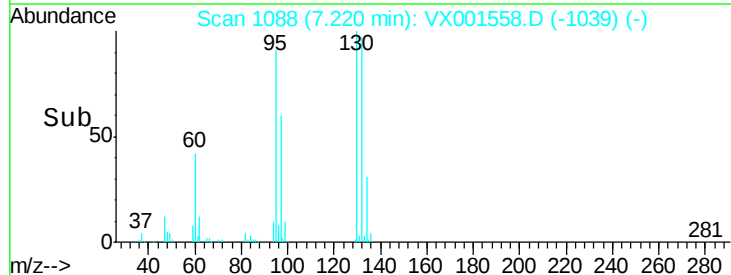
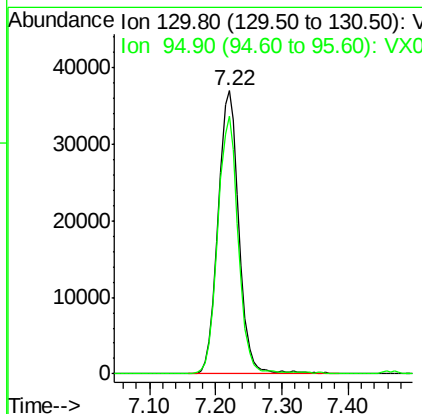
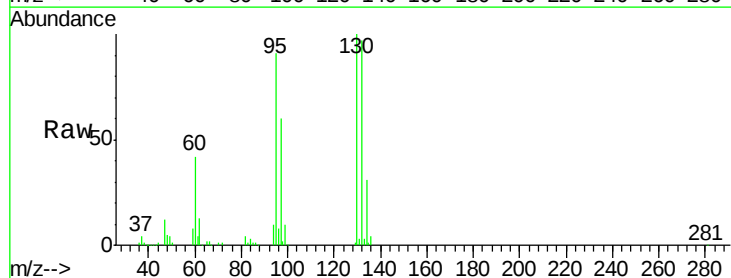
MMDadoda
 5/10/2018 1:51:58 PM

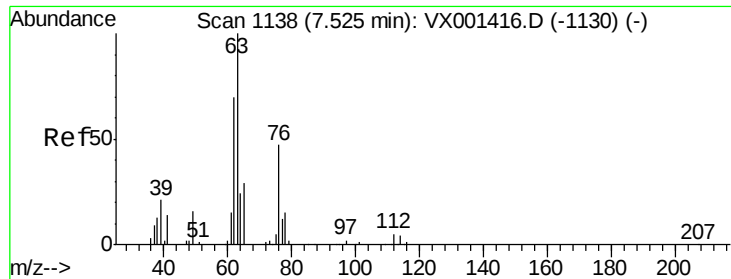


#44

Trichloroethene
 Concen: 21.90 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	178.4





#45

1,2-Dichloropropane

Concen: 22.26 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 63 Resp: 66585

Ion Ratio Lower Upper

63 100

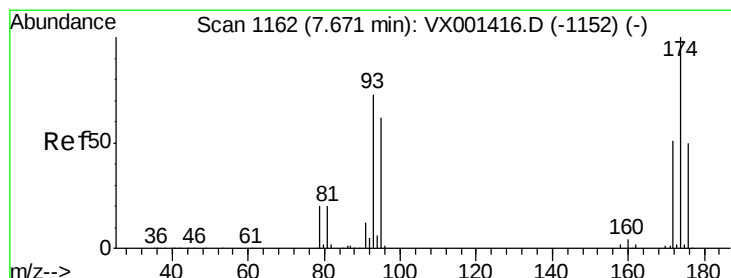
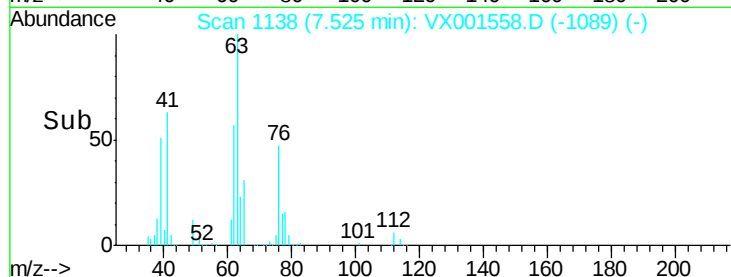
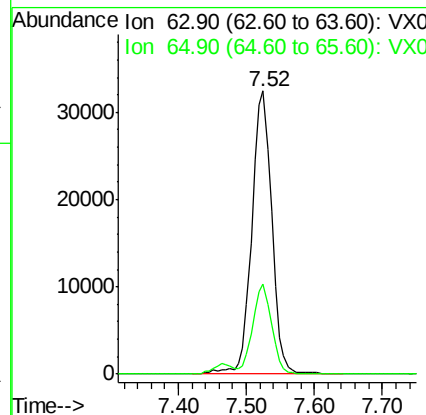
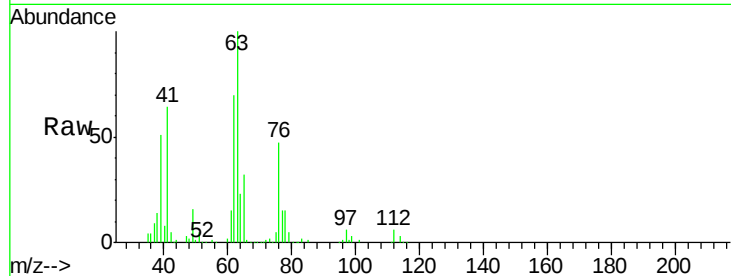
65 31.8 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 21.93 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

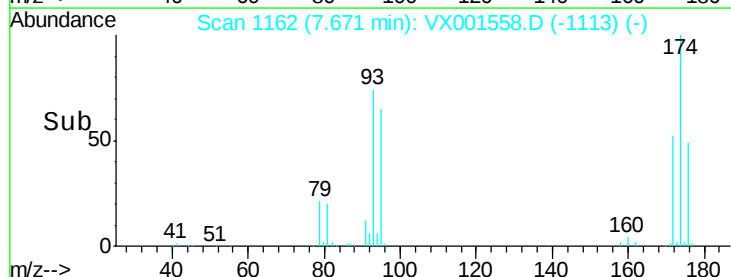
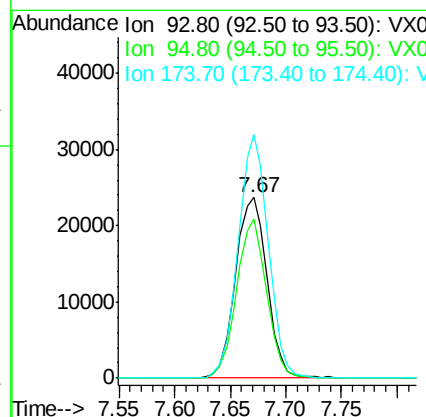
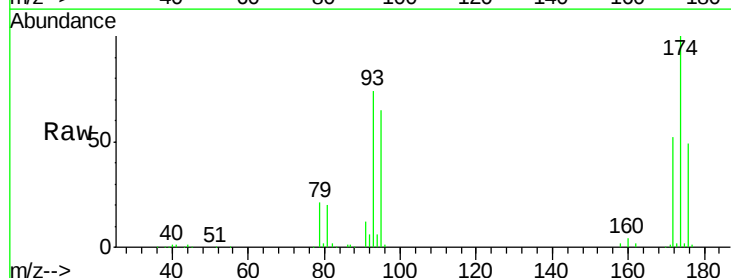
Tgt Ion: 93 Resp: 46441

Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.4

174 129.0 104.5 156.7





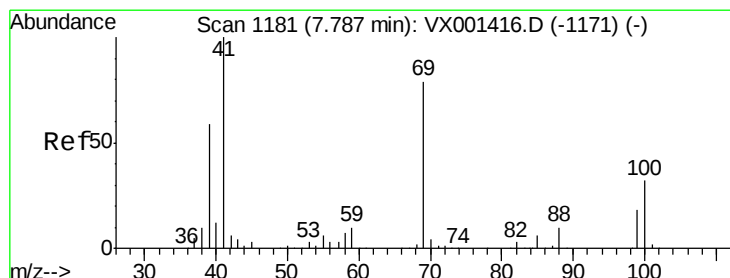
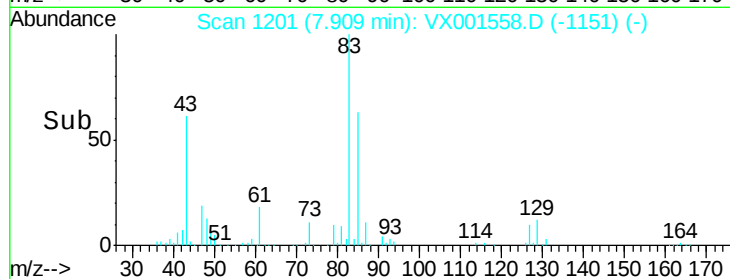
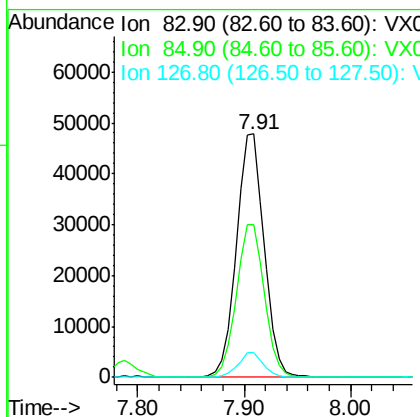
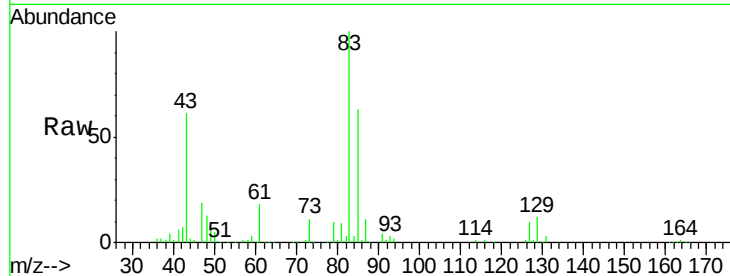
#47
 Bromodichloromethane
 Concen: 22.32 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	83	Resp	87470
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.0	76.6
127	9.9	7.4	11.2

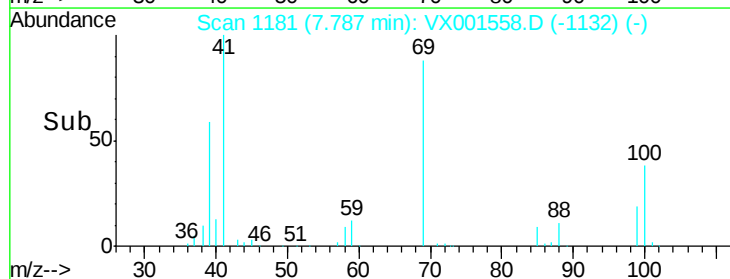
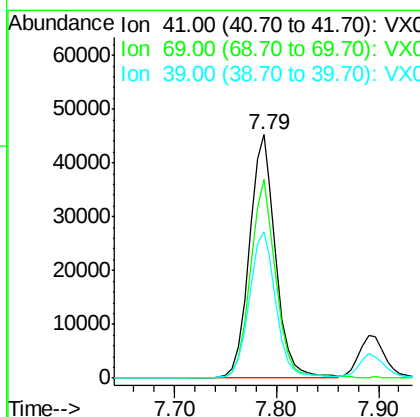
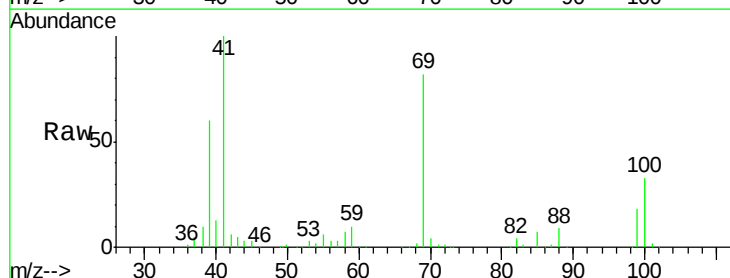
Manual Integrations
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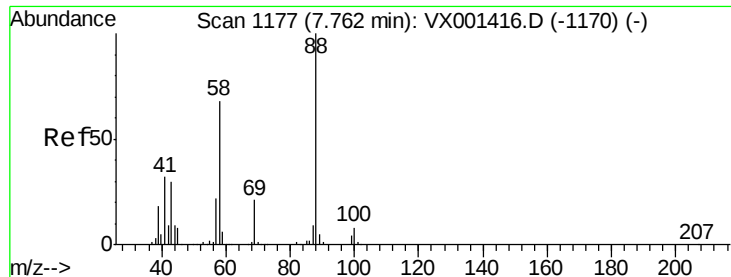
MMDadoda
 5/10/2018 1:51:58 PM



#48
 Methyl methacrylate
 Concen: 21.42 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	41	Resp	80620
Ion Ratio	Lower	Upper	
41	100		
69	79.5	63.4	95.2
39	60.8	47.0	70.4





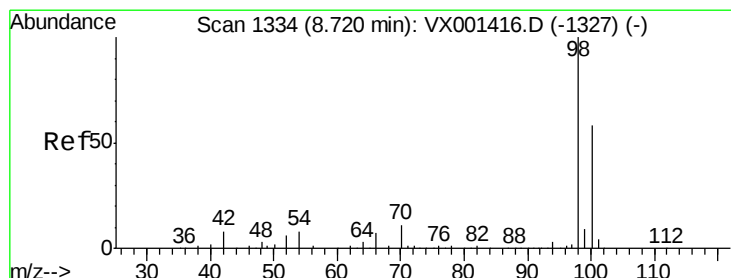
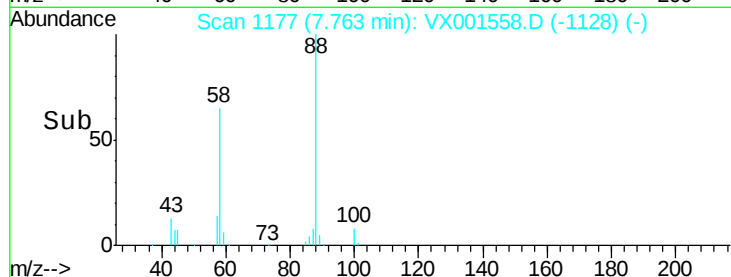
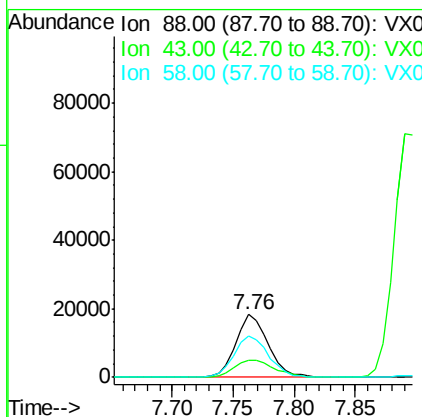
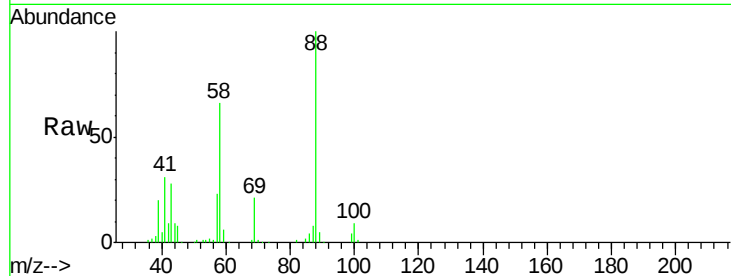
#49
1,4-Dioxane
Concen: 413.20 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.4	39.6
58	71.0	54.1	81.1

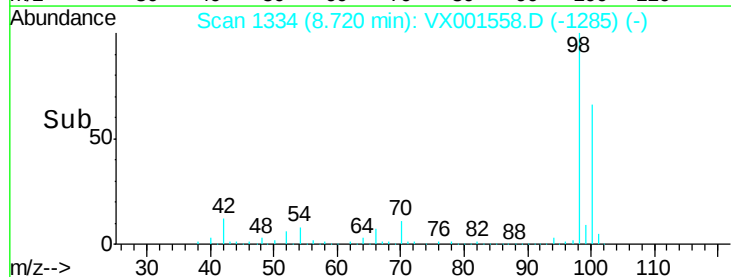
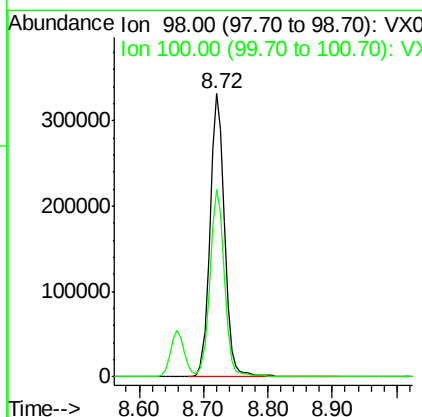
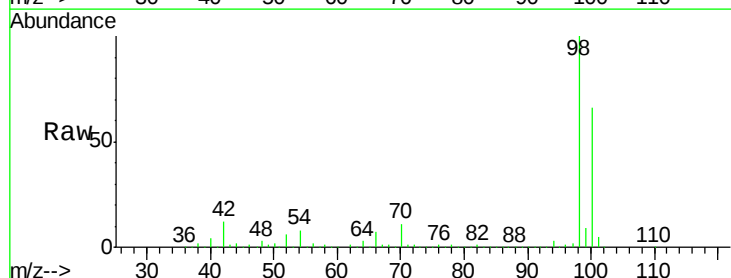
Manual Integrations
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5/10/2018 1:51:58 PM



#50
Toluene-d8
Concen: 50.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 111.14 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 43 Resp: 510550

Ion Ratio Lower Upper

43 100

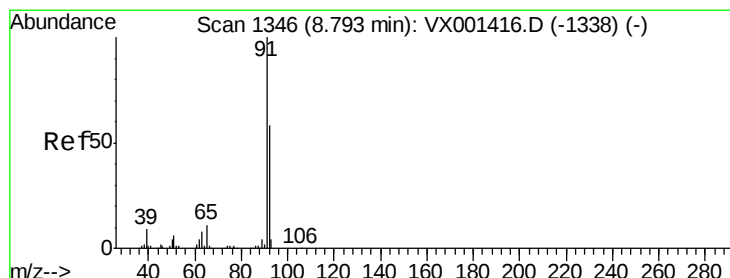
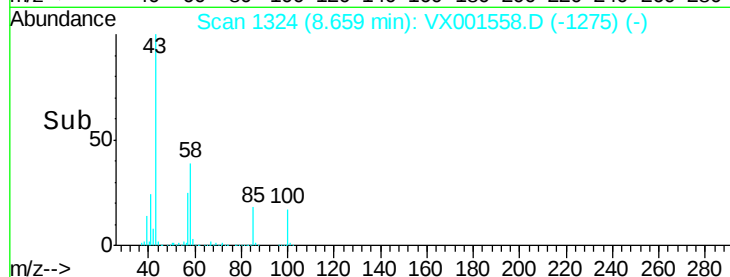
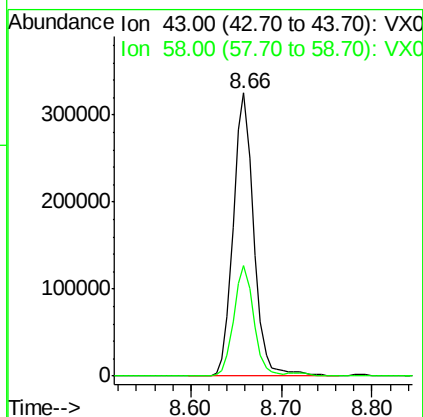
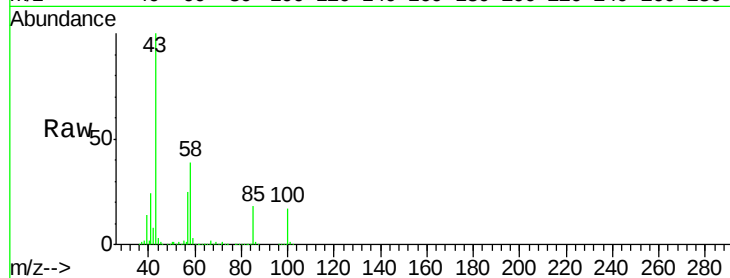
58 38.0 30.8 46.2

Manual Integrations

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#52

Toluene

Concen: 22.03 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001558.D

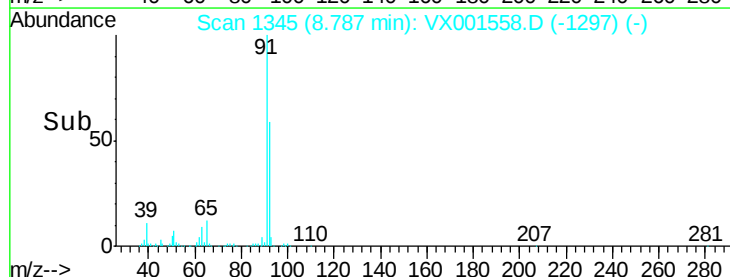
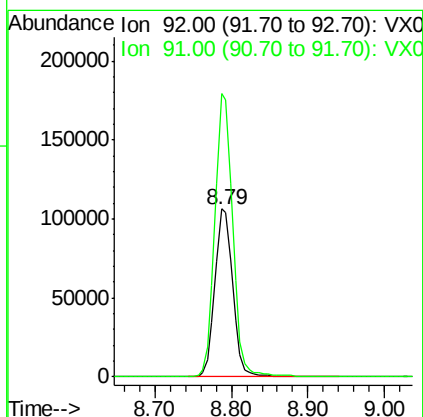
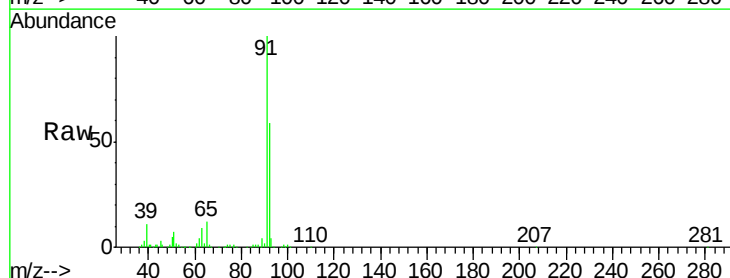
Acq: 09 May 2018 16:39

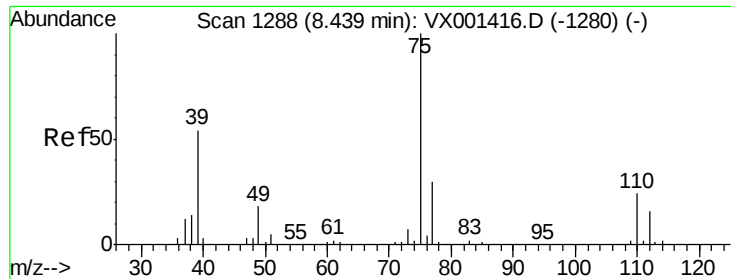
Tgt Ion: 92 Resp: 172860

Ion Ratio Lower Upper

92 100

91 168.5 135.2 202.8





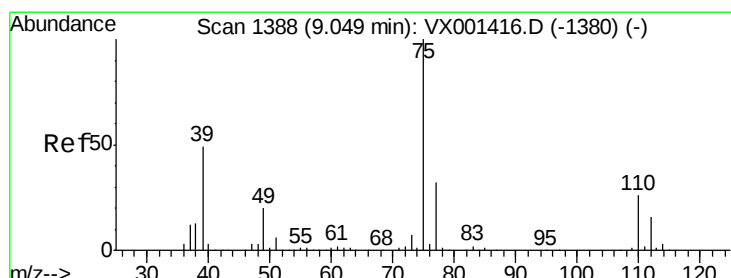
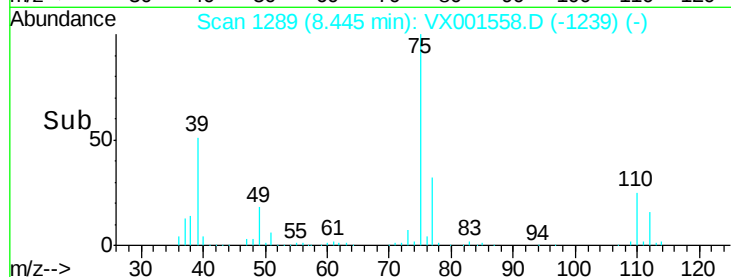
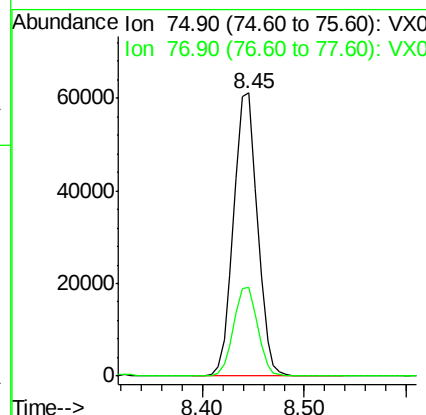
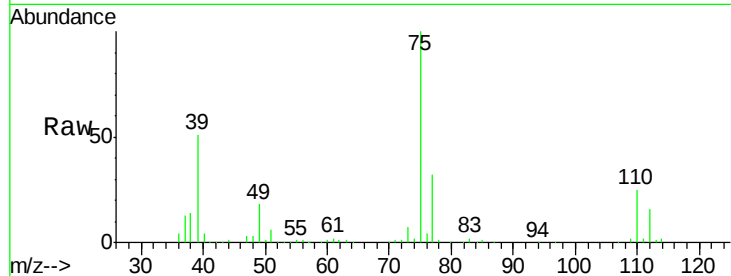
#53
t-1,3-Dichloropropene
Concen: 22.30 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion: 75 Resp: 98760
Ion Ratio Lower Upper
75 100
77 31.5 24.2 36.4

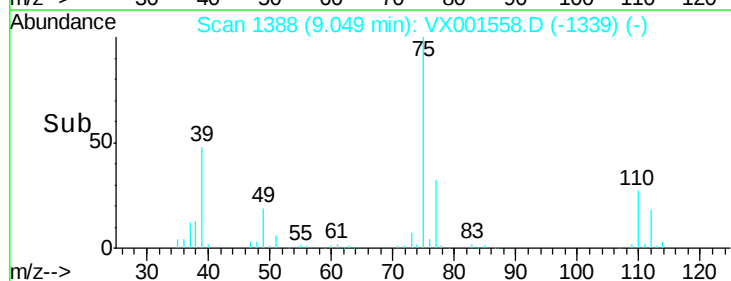
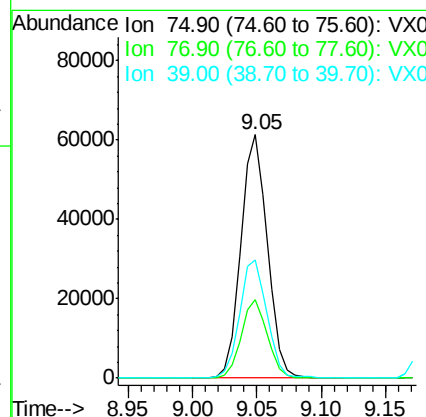
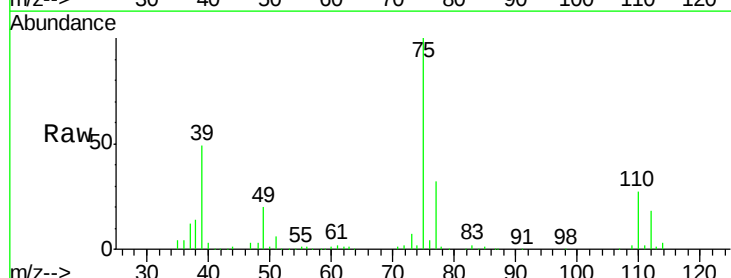
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 20.48 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion: 75 Resp: 87365
Ion Ratio Lower Upper
75 100
77 32.5 25.5 38.3
39 48.6 38.9 58.3





#55

1,1,2-Trichloroethane

Concen: 22.22 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

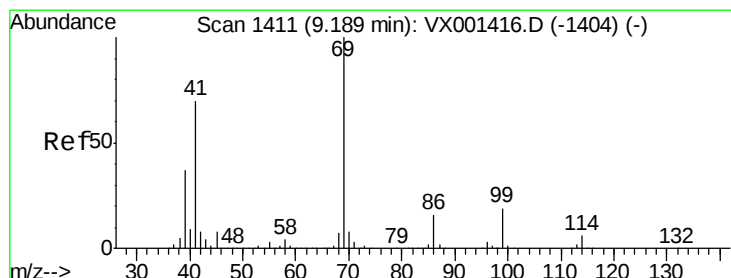
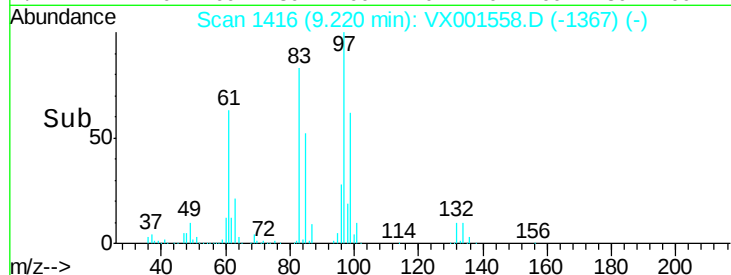
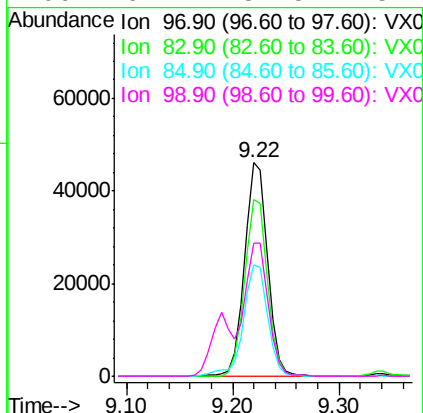
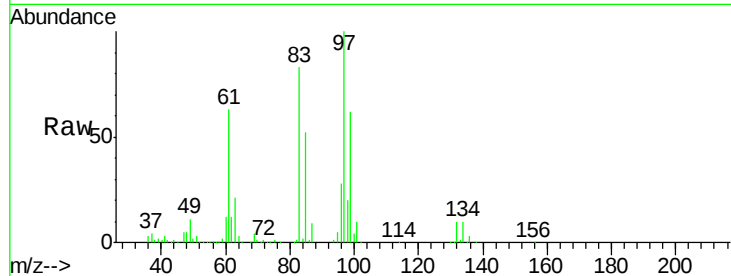
ClientSampleId :

VX0509WBS01

Tot Ion:	97	Resp:	70241
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.4	101.0
85	52.2	43.3	64.9
99	62.1	52.5	78.7

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#56

Ethyl methacrylate

Concen: 21.46 ug/l

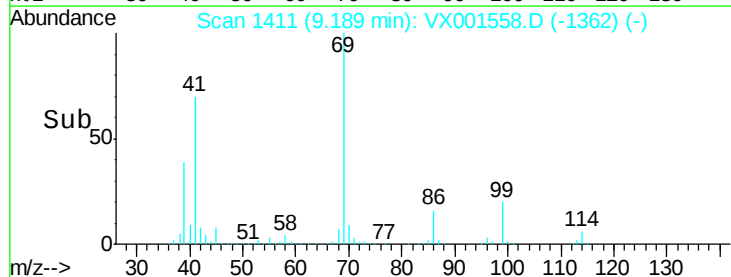
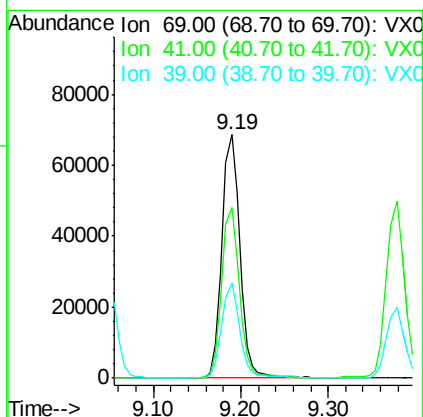
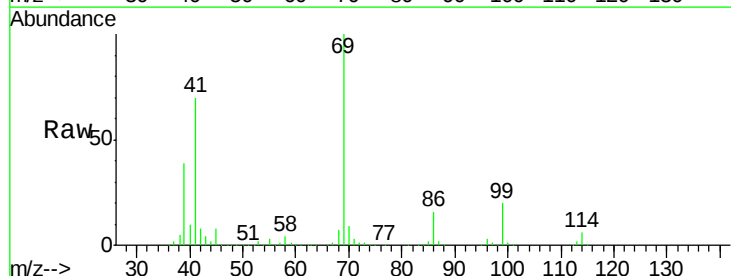
RT: 9.19 min Scan# 1411

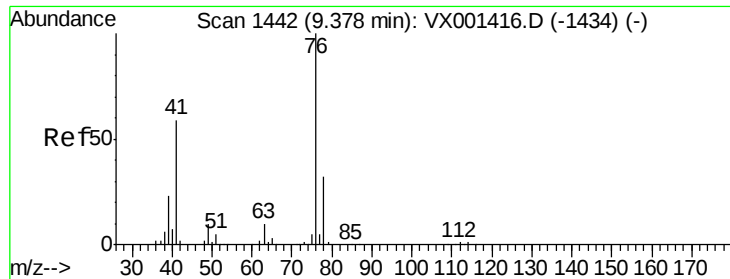
Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Tgt Ion:	69	Resp:	97806
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.1	82.7
39	38.7	29.9	44.9





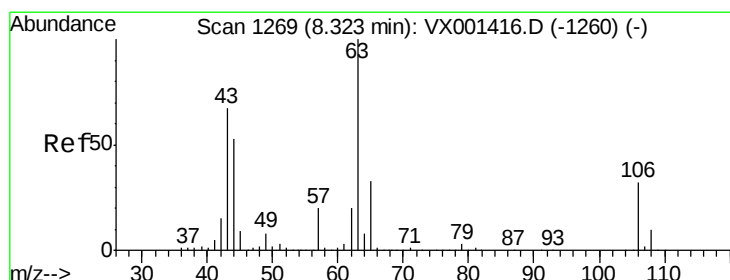
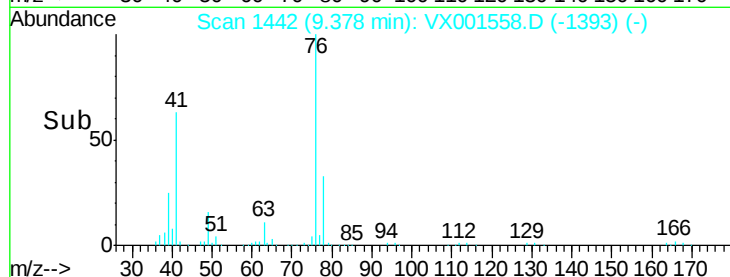
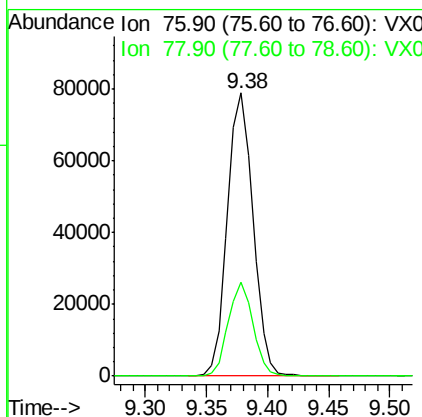
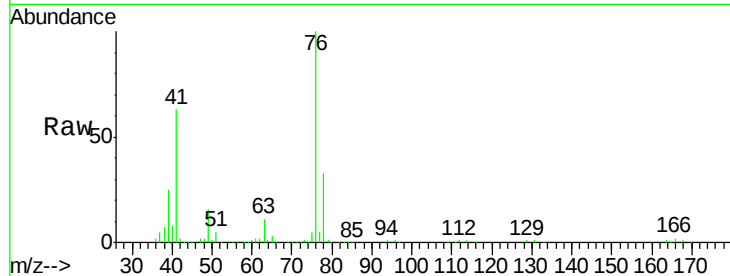
#57
 1,3-Dichloropropane
 Concen: 21.98 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

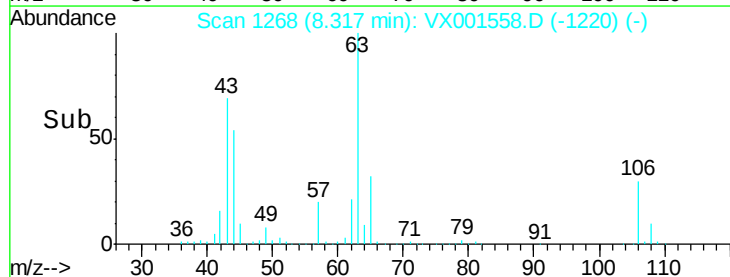
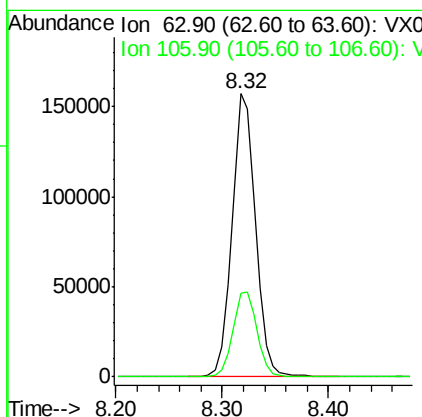
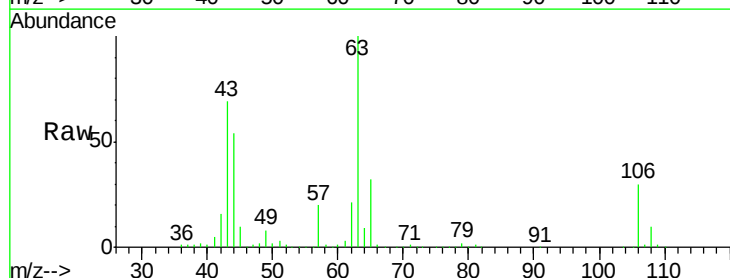
Manual Integrations
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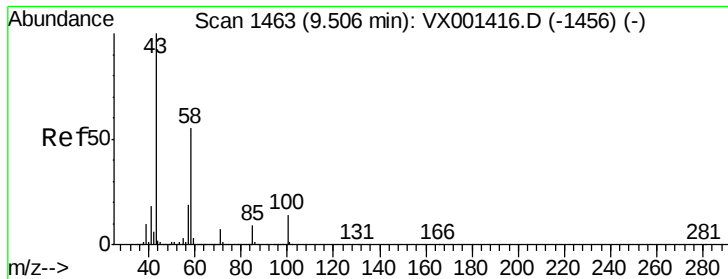
MMDadoda
 5/10/2018 1:51:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.15 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	25.4	38.0





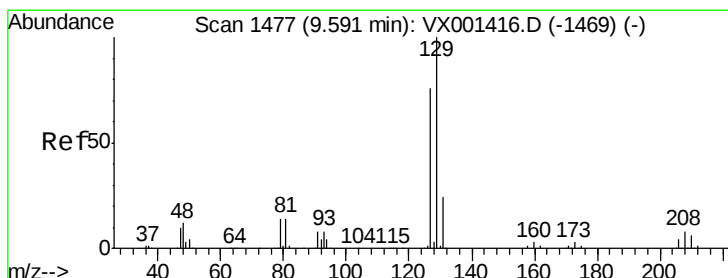
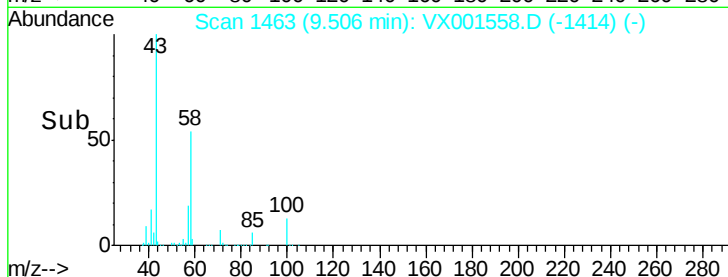
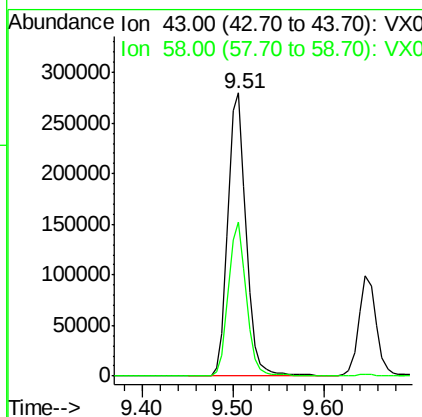
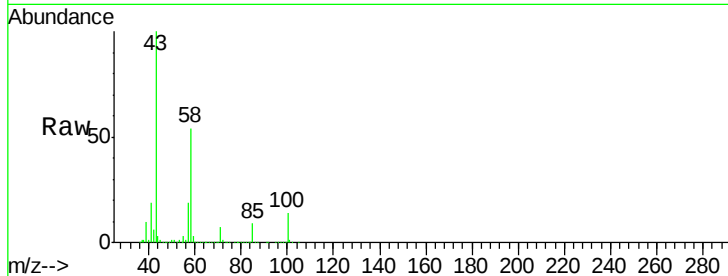
#59
2-Hexanone
Concen: 111.60 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion: 43 Resp: 392589
Ion Ratio Lower Upper
43 100
58 53.4 27.1 81.2

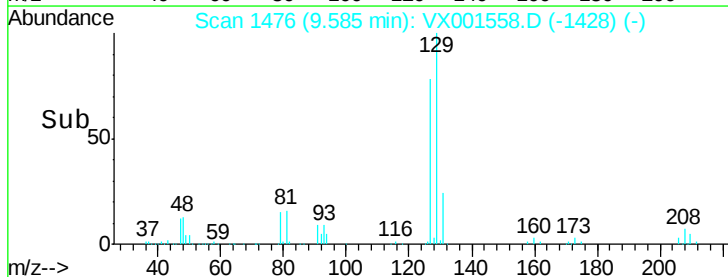
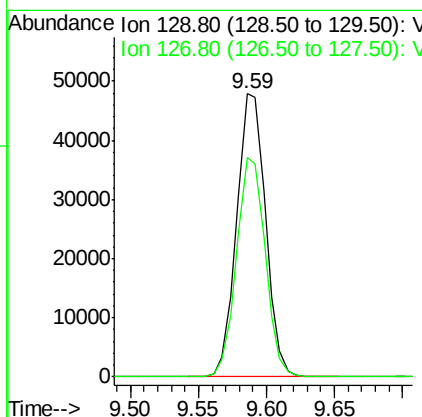
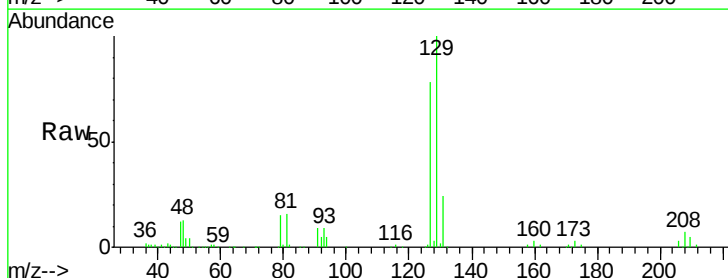
Manual Integrations
APPROVED

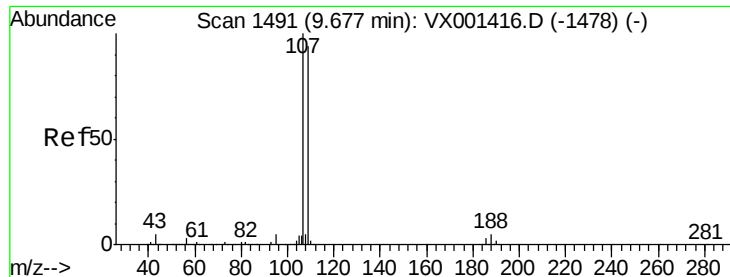
MMDadoda
5/10/2018 1:51:58 PM



#60
Dibromochloromethane
Concen: 21.94 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion: 129 Resp: 71025
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 22.06 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:107 Resp: 73229

Ion Ratio Lower Upper

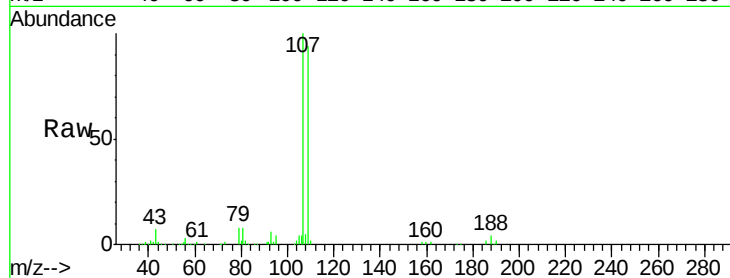
107 100

109 95.3 75.5 113.3

Manual Integrations
APPROVED

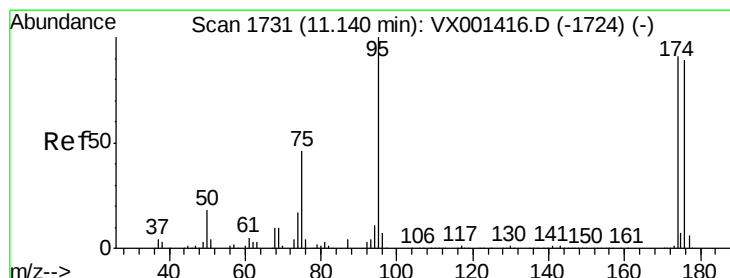
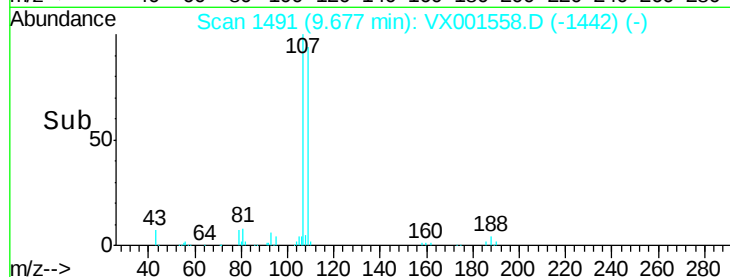
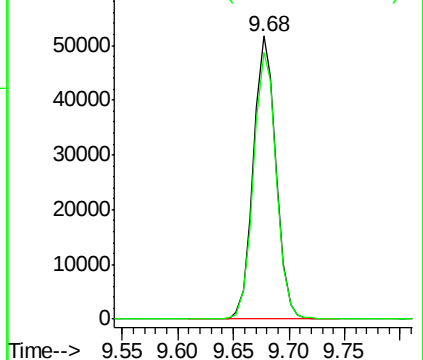
MMDadoda

5/10/2018 1:51:58 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

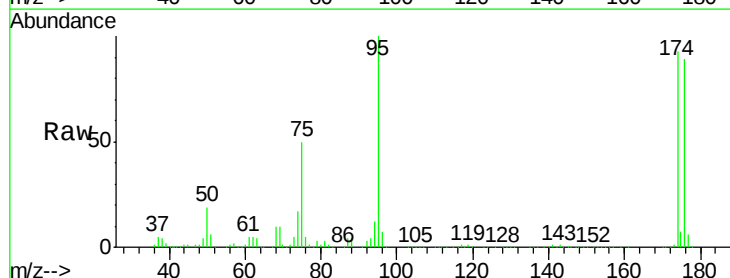
Tgt Ion: 95 Resp: 197435

Ion Ratio Lower Upper

95 100

174 101.6 0.0 202.0

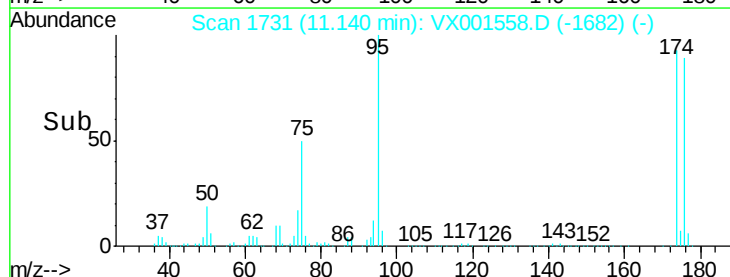
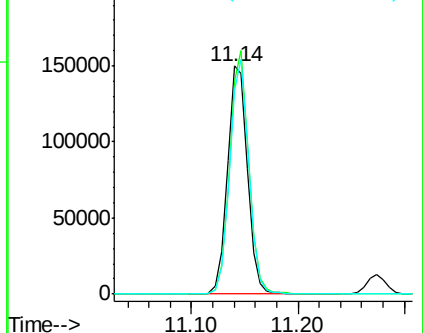
176 98.6 0.0 197.4



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





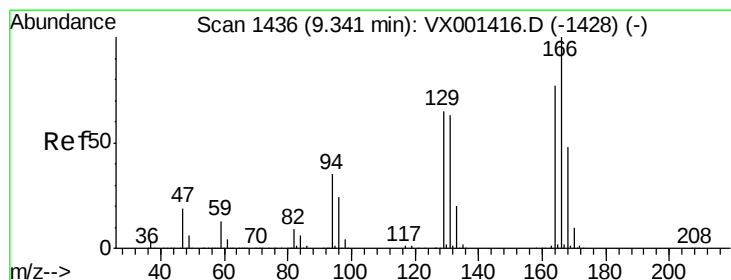
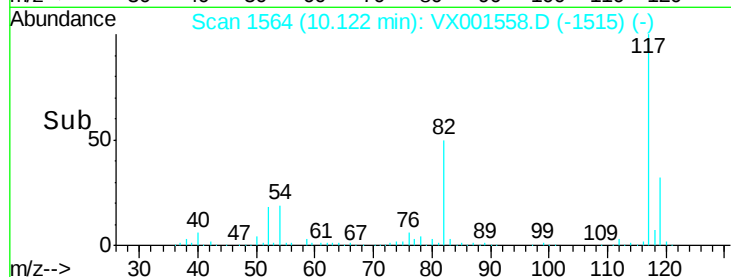
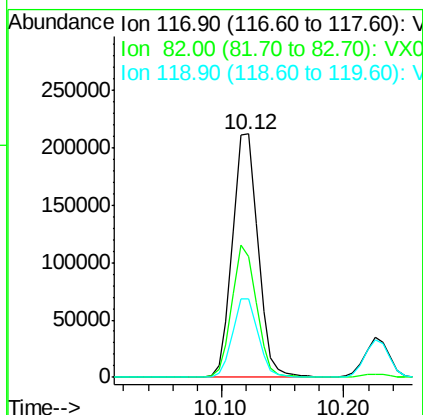
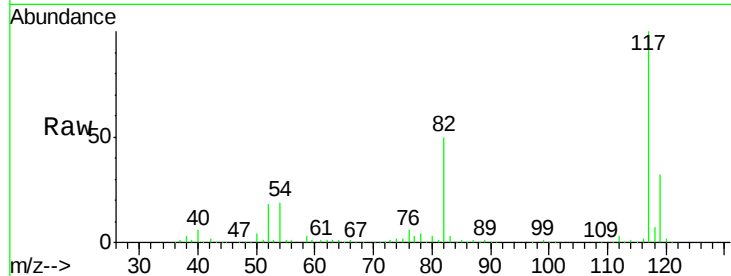
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	40.0	60.0
119	32.4	25.8	38.8

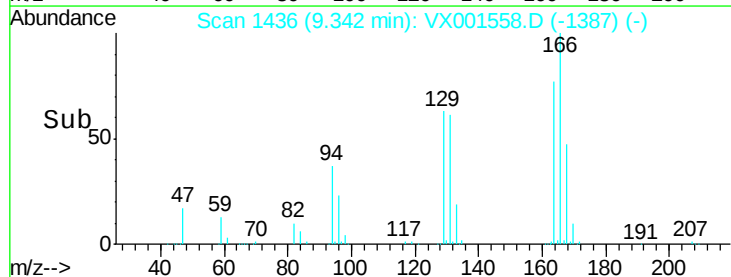
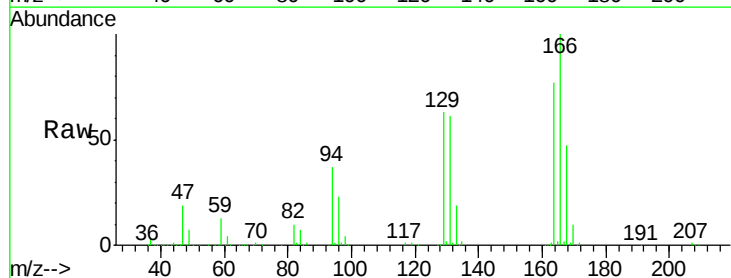
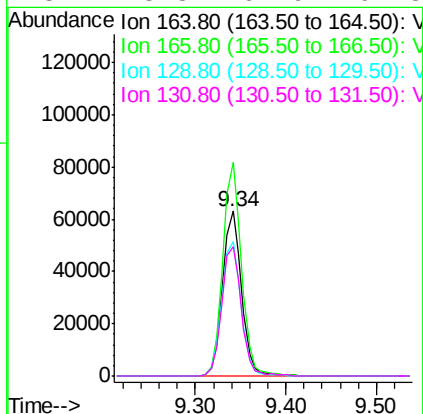
Manual Integrations
APPROVED

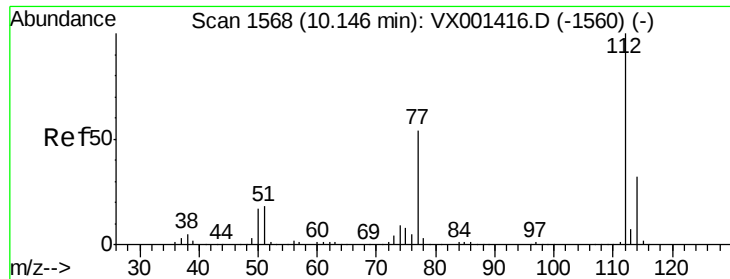
MMDadoda
5/10/2018 1:51:58 PM



#64
Tetrachloroethene
Concen: 21.57 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.5	155.3
129	81.3	66.7	100.1
131	78.8	64.9	97.3





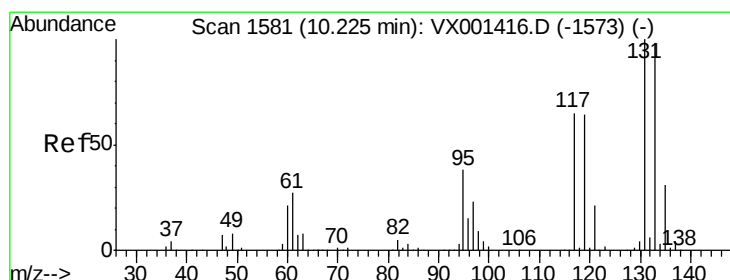
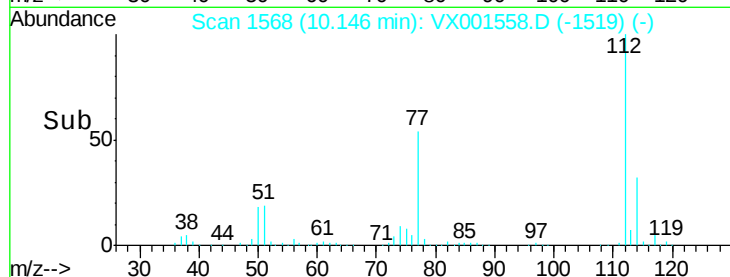
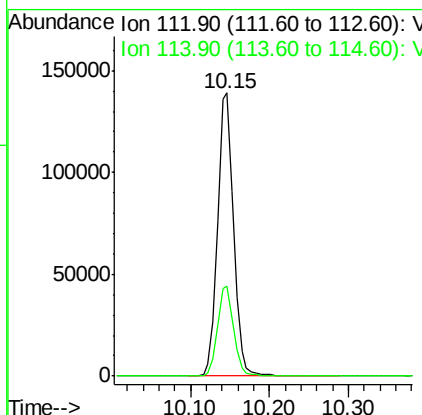
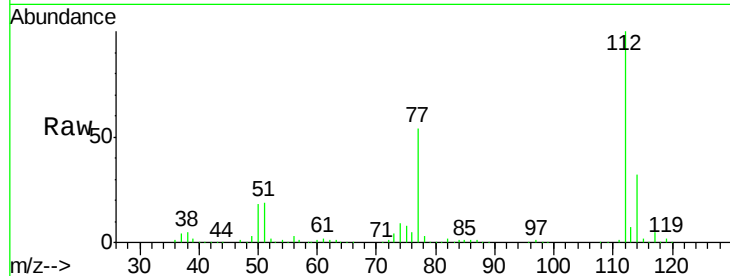
#65
Chlorobenzene
Concen: 21.87 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion:112 Resp: 196967
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0

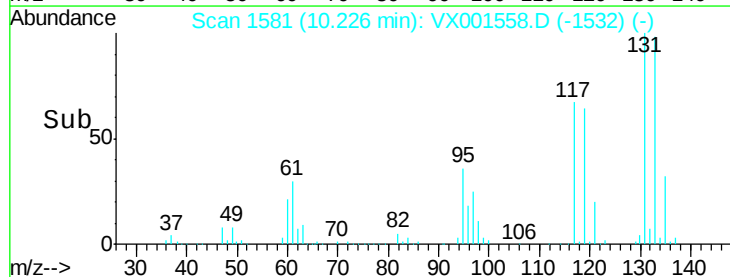
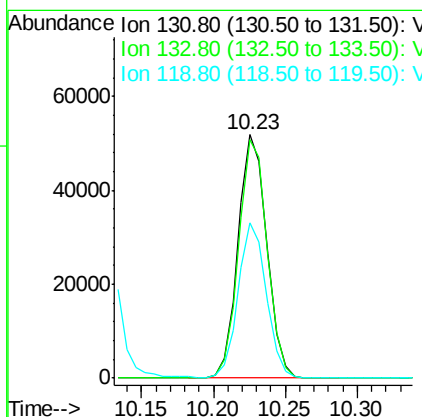
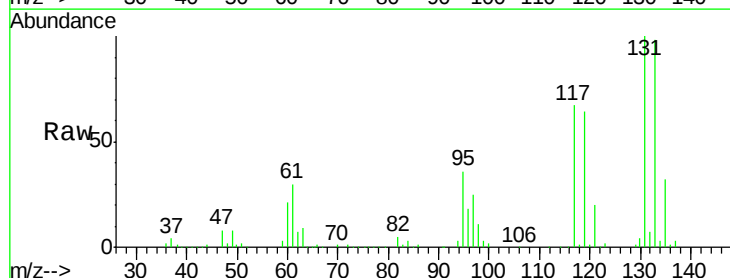
Manual Integrations
APPROVED

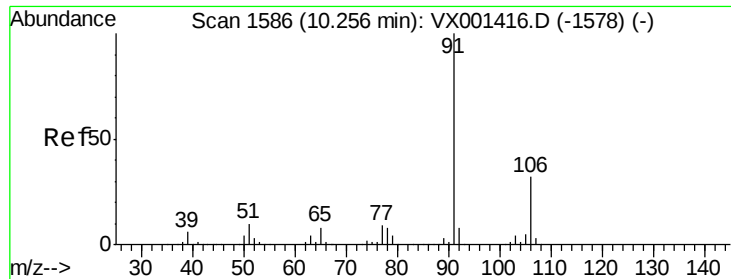
MMDadoda
5/10/2018 1:51:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.24 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion:131 Resp: 71648
Ion Ratio Lower Upper
131 100
133 97.2 47.9 143.8
119 62.9 31.1 93.3





#67

Ethyl Benzene

Concen: 21.61 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 91 Resp: 319044

Ion Ratio Lower Upper

91 100

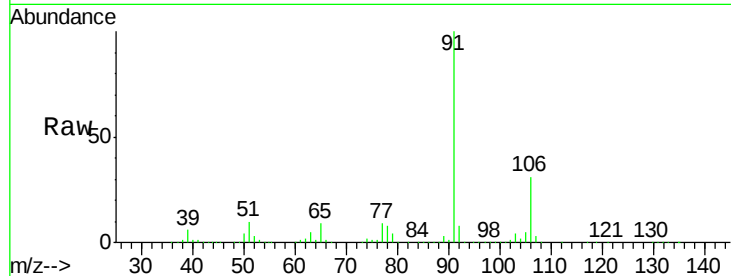
106 31.3 25.5 38.3

Manual Integrations

APPROVED

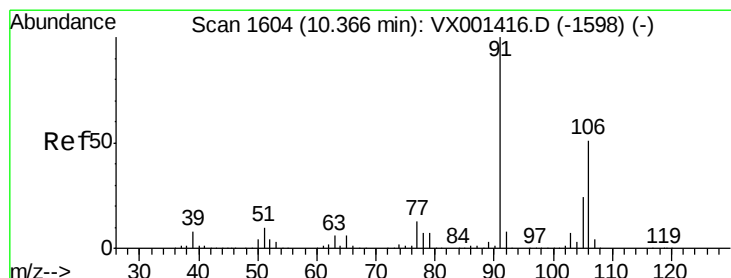
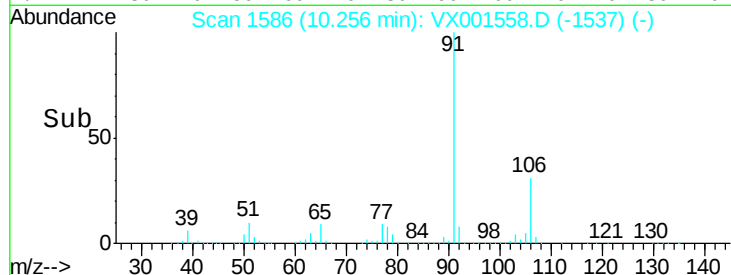
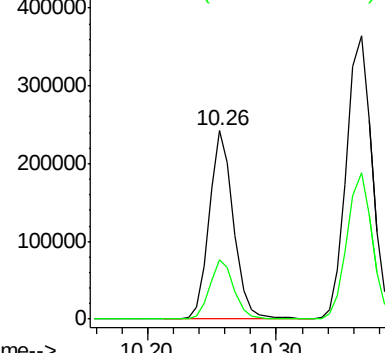
MMDadoda

5/10/2018 1:51:58 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.98 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001558.D

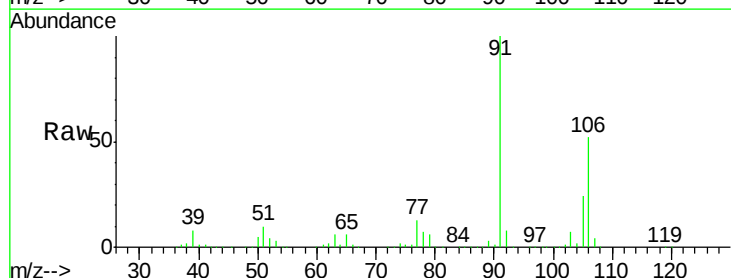
Acq: 09 May 2018 16:39

Tgt Ion: 106 Resp: 256505

Ion Ratio Lower Upper

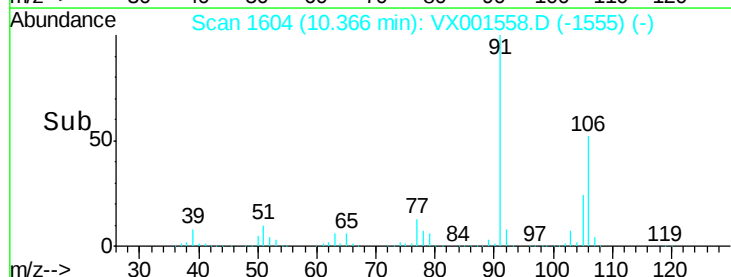
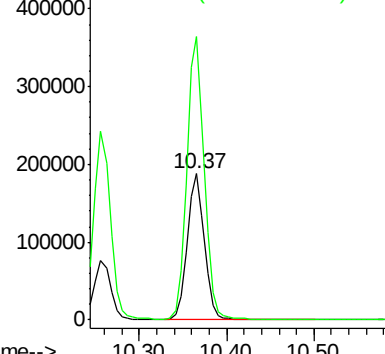
106 100

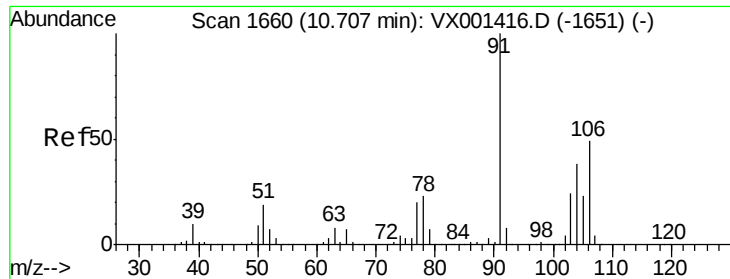
91 196.8 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





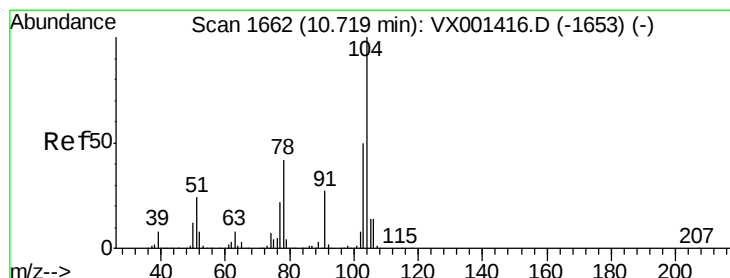
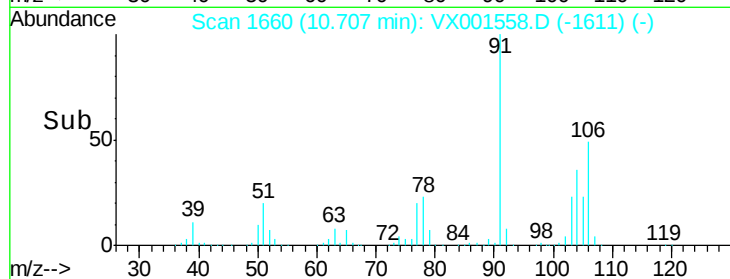
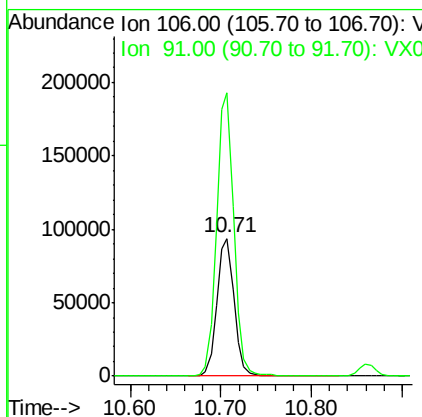
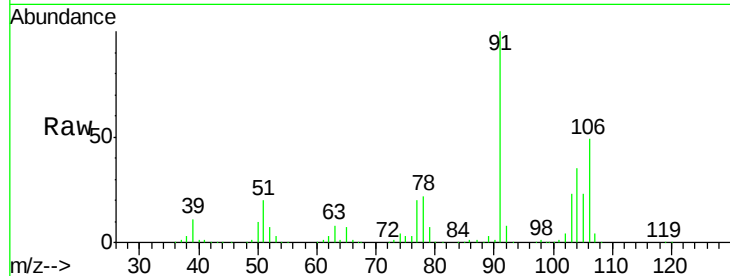
#69
o-Xylene
Concen: 21.97 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		124548		
91	206.7	103.1	309.1		

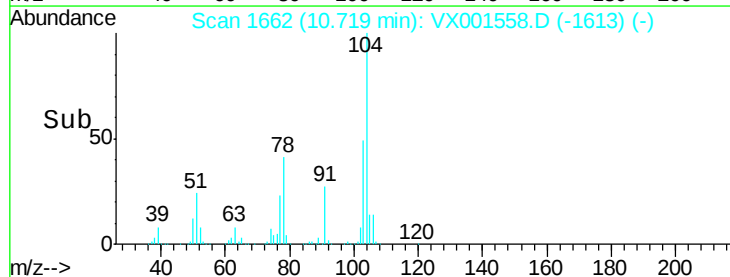
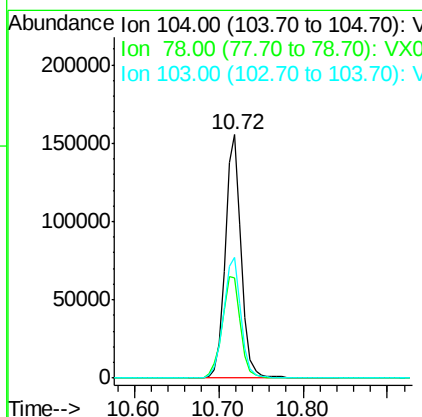
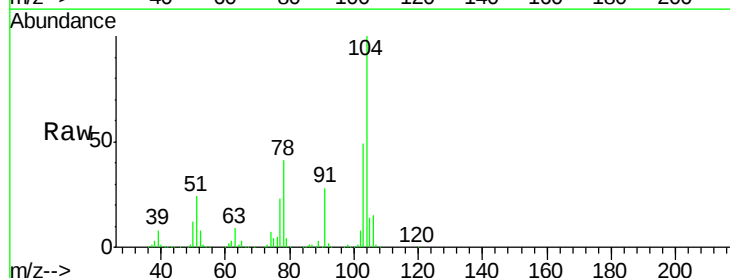
Manual Integrations
APPROVED

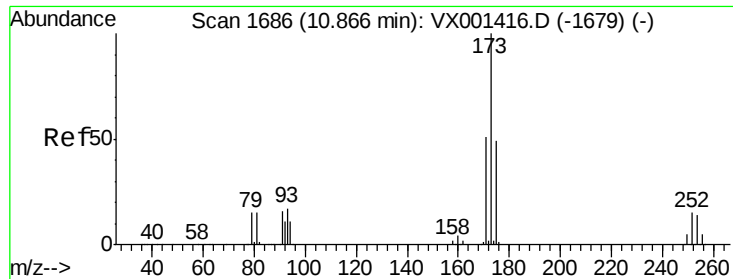
MMDadoda
5/10/2018 1:51:58 PM



#70
Styrene
Concen: 21.96 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		202256		
78	48.5	38.6	58.0		
103	54.6	44.0	66.0		





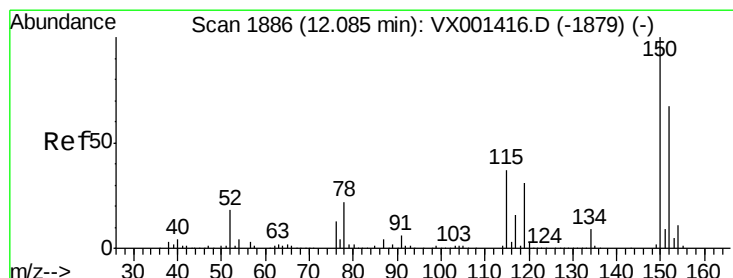
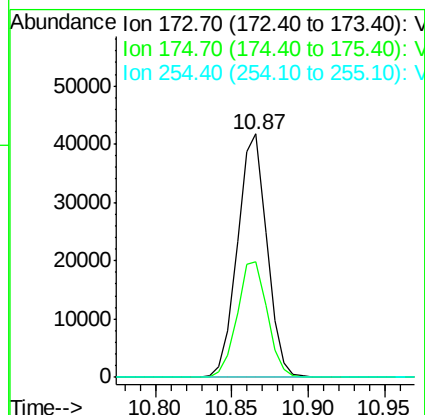
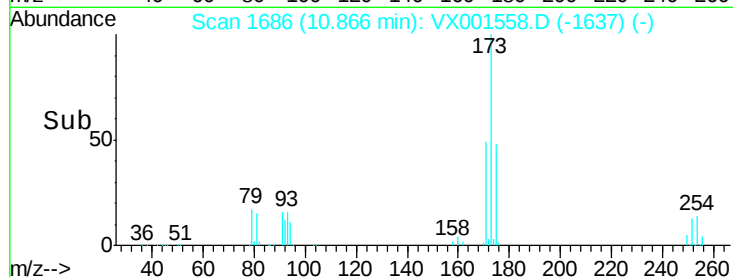
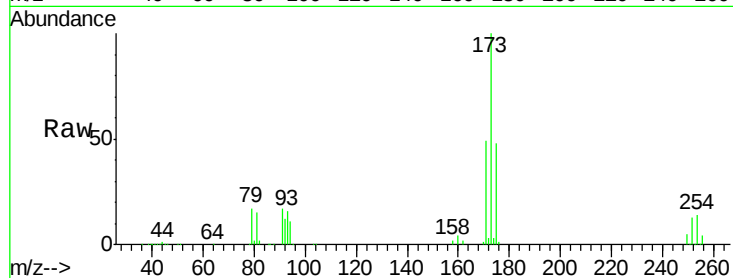
#71
Bromoform
Concen: 20.20 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion:173 Resp: 55493
Ion Ratio Lower Upper
173 100
175 48.7 24.5 73.5
254 0.1 0.2 0.2#

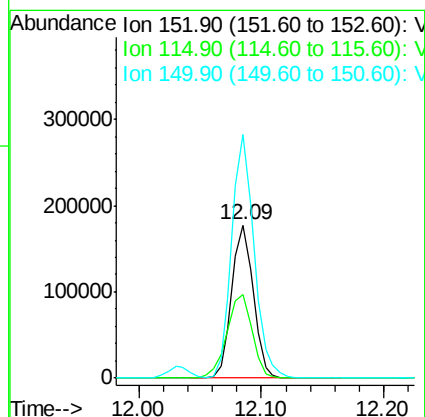
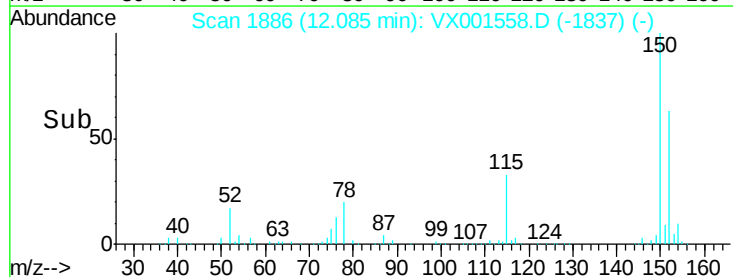
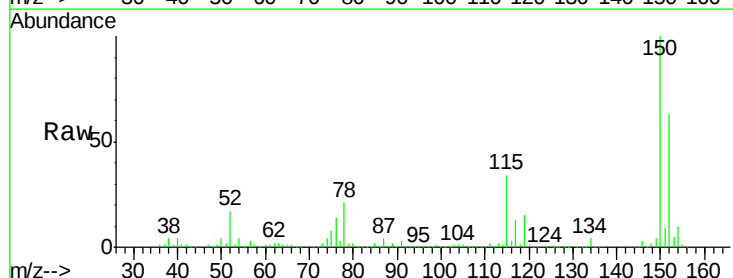
Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:51:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion:152 Resp: 215412
Ion Ratio Lower Upper
152 100
115 64.1 37.7 113.1
150 165.4 0.0 349.4





#73

Isopropylbenzene

Concen: 22.38 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 105 Resp: 333698

Ion Ratio Lower Upper

105 100

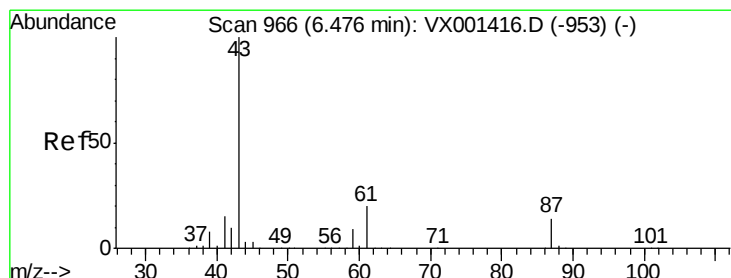
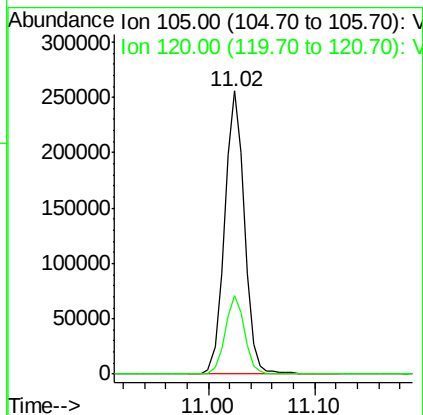
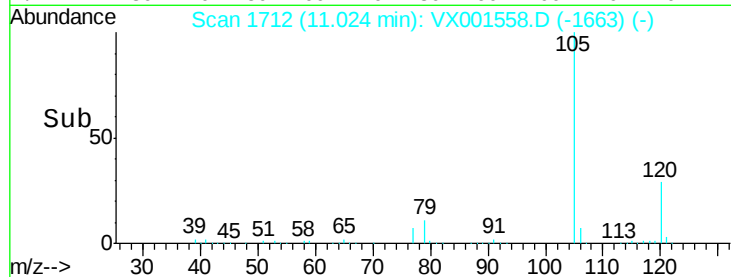
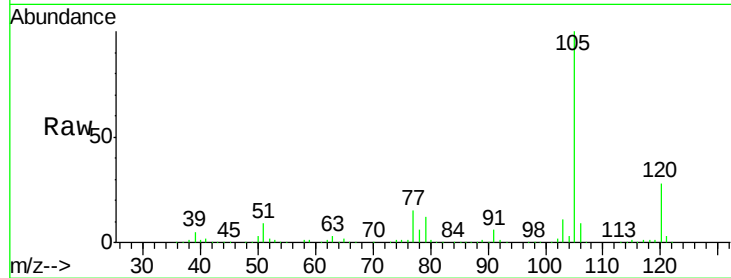
120 27.3 13.6 40.8

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:51:58 PM



#74

N-ethyl acetate

Concen: 22.00 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Tgt Ion: 43 Resp: 148997

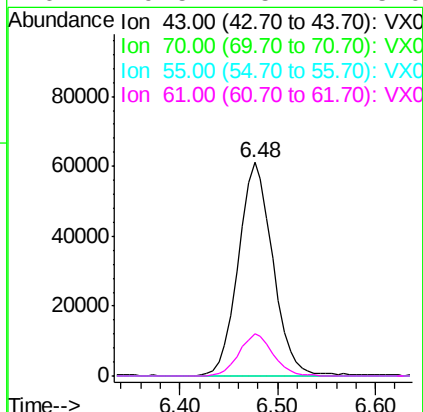
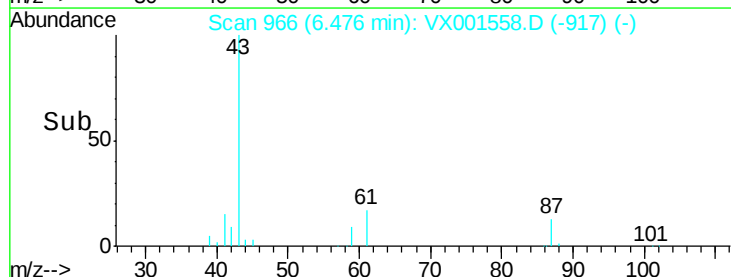
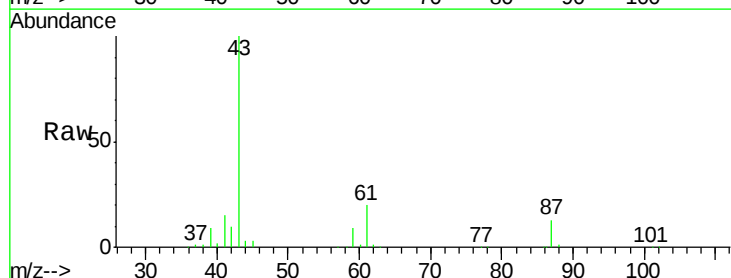
Ion Ratio Lower Upper

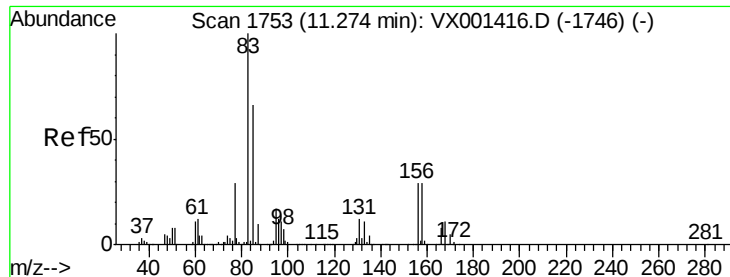
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.5 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.63 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 83 Resp: 99668

Ion Ratio Lower Upper

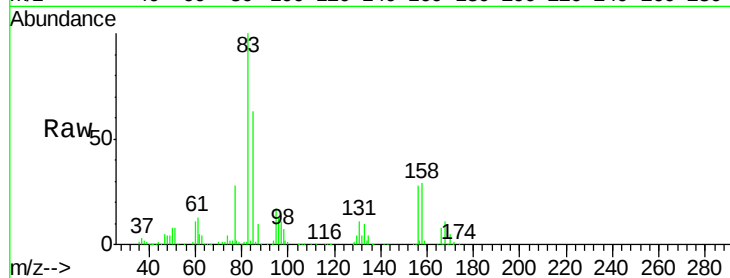
83 100

131 11.4 5.8 17.4

85 64.4 32.7 98.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:51:58 PM

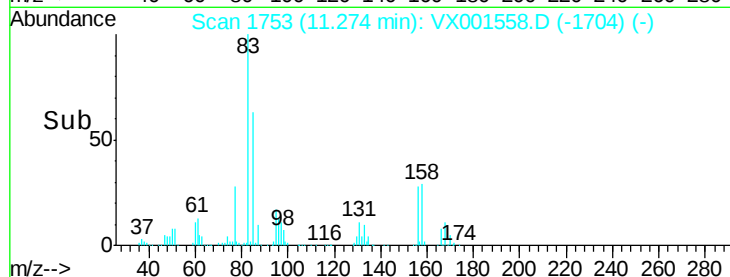


Abundance Ion 82.90 (82.60 to 83.60): VX001416.D (-1746) (-)

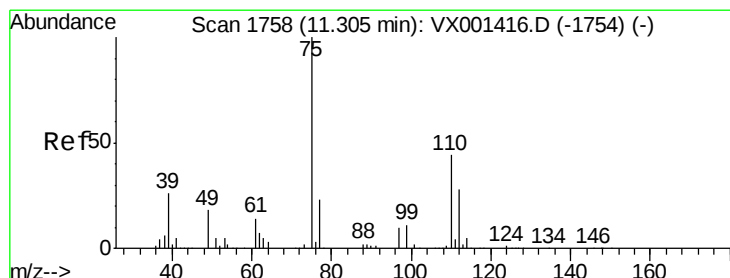
Ion 130.80 (130.50 to 131.50): VX001416.D (-1746) (-)

Ion 84.90 (84.60 to 85.60): VX001416.D (-1746) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.38 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001558.D

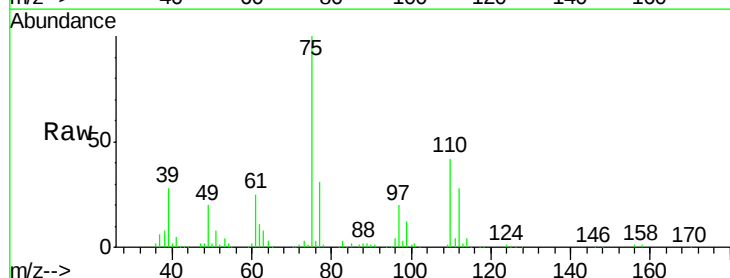
Acq: 09 May 2018 16:39

Tgt Ion: 75 Resp: 97795

Ion Ratio Lower Upper

75 100

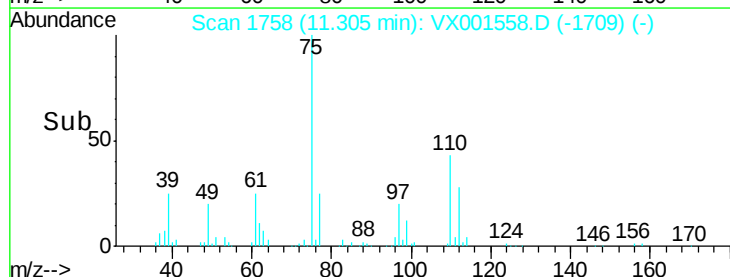
77 37.3 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX001416.D (-1754) (-)

Ion 77.00 (76.70 to 77.70): VX001416.D (-1754) (-)

Time-->

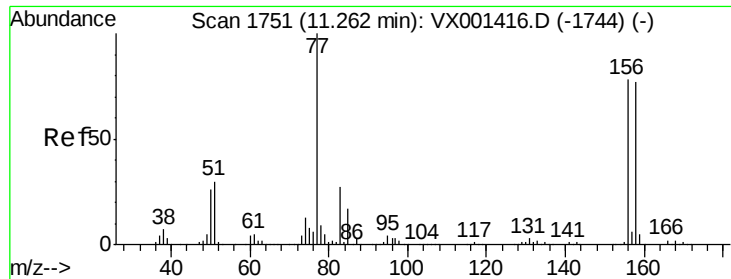


Time-->

Abundance Ion 74.90 (74.60 to 75.60): VX001416.D (-1754) (-)

Ion 77.00 (76.70 to 77.70): VX001416.D (-1754) (-)

Time-->



#77

Bromobenzene

Concen: 21.73 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion:156 Resp: 94217

Ion Ratio Lower Upper

156 100

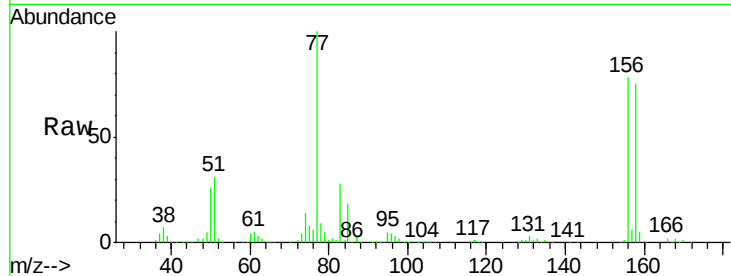
77 134.4 66.0 198.2

158 97.5 49.4 148.2

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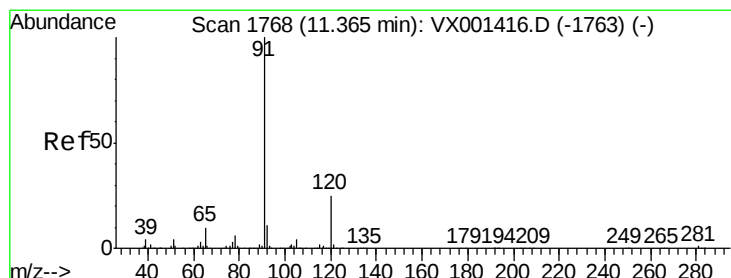
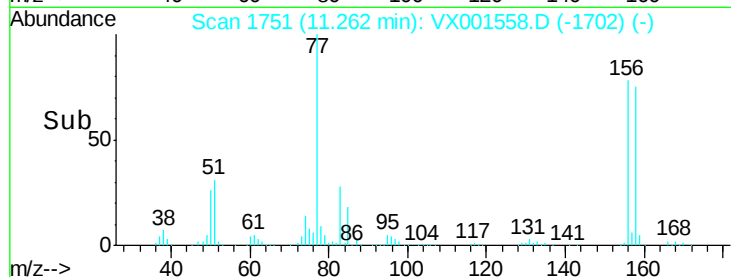
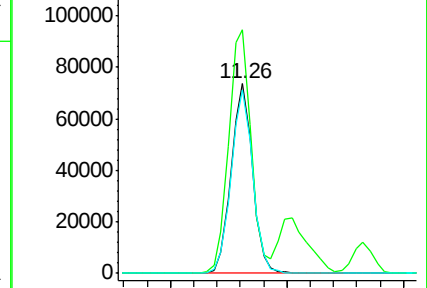
5/10/2018 1:51:58 PM



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: 22.68 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001558.D

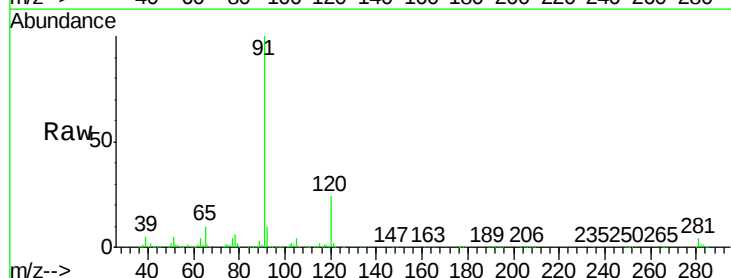
Acq: 09 May 2018 16:39

Tgt Ion: 91 Resp: 368245

Ion Ratio Lower Upper

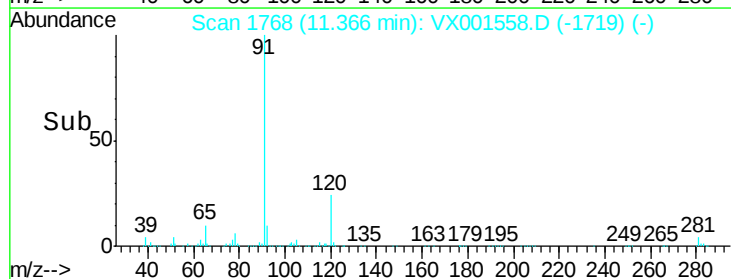
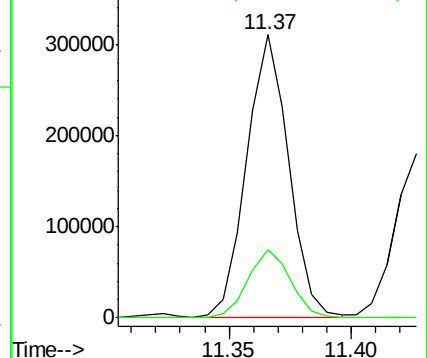
91 100

120 24.7 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: 22.42 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 91 Resp: 223996

Ion Ratio Lower Upper

91 100

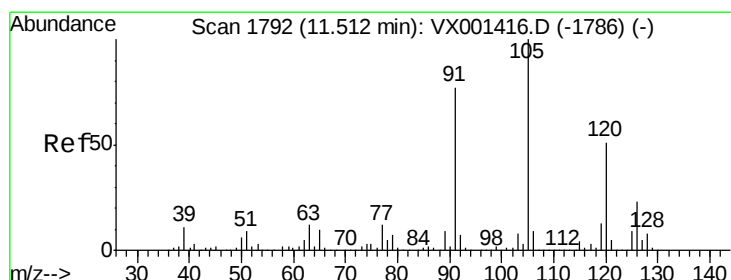
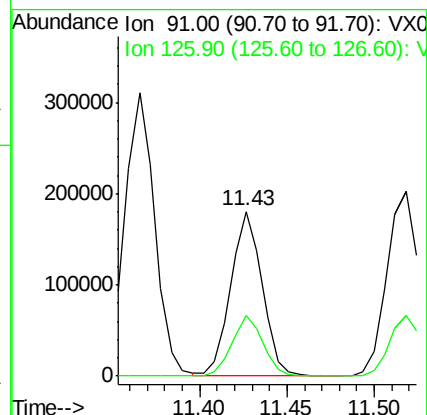
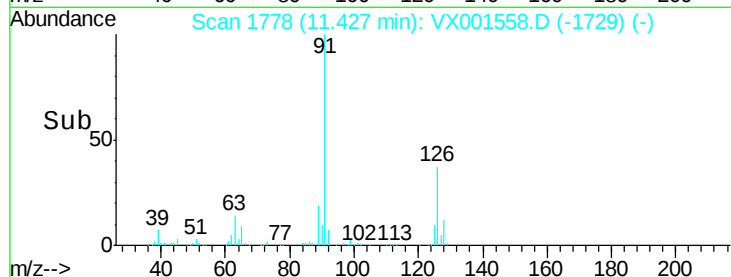
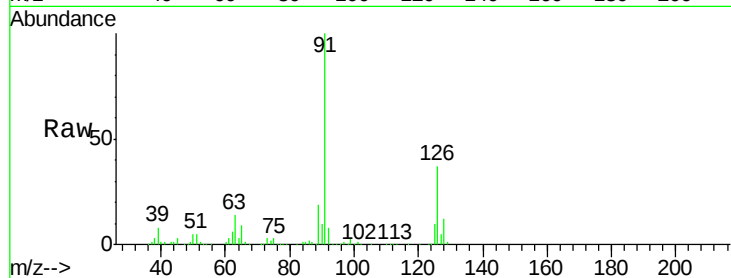
126 36.7 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.66 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001558.D

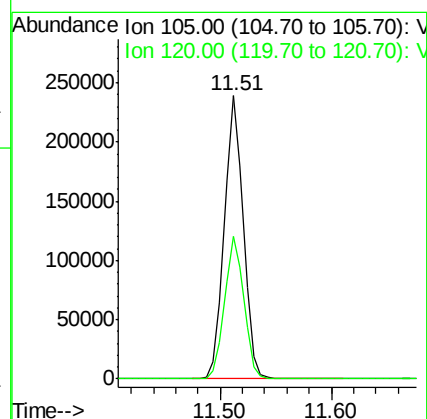
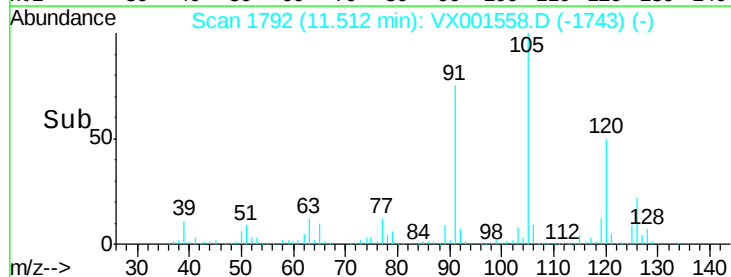
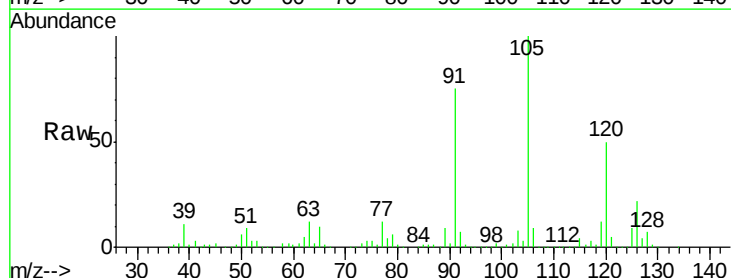
Acq: 09 May 2018 16:39

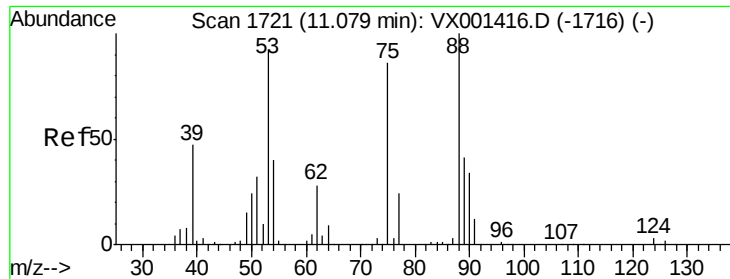
Tgt Ion: 105 Resp: 281391

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.81 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBS01

Tot Ion: 75 Resp: 24765

Ion Ratio Lower Upper

75 100

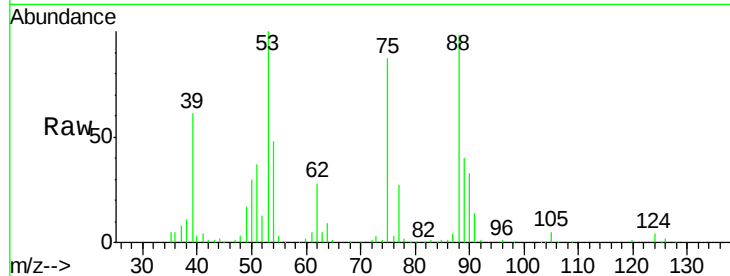
53 118.1 84.5 126.7

89 47.9 39.5 59.3

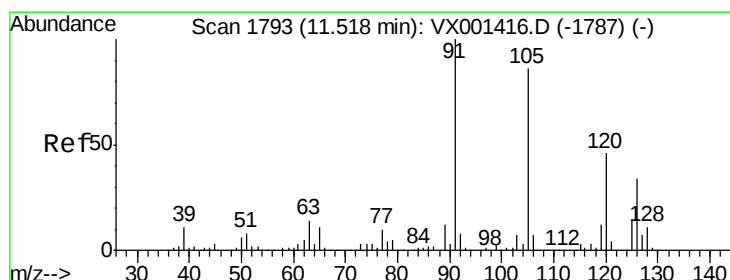
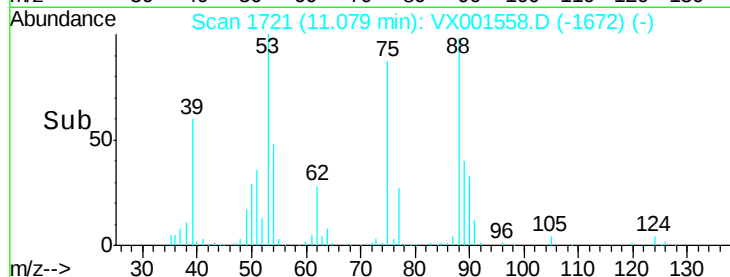
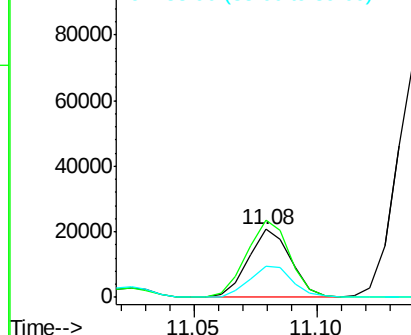
Manual Integrations
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5/10/2018 1:51:58 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 22.44 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001558.D

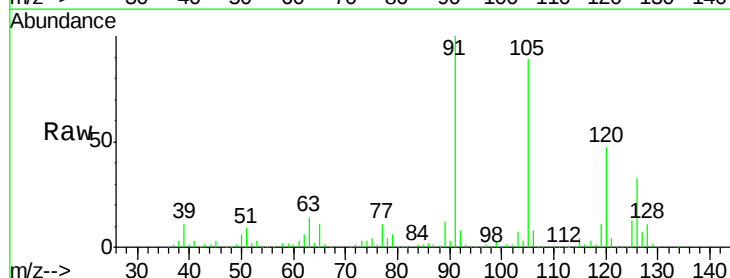
Acq: 09 May 2018 16:39

Tgt Ion: 91 Resp: 258670

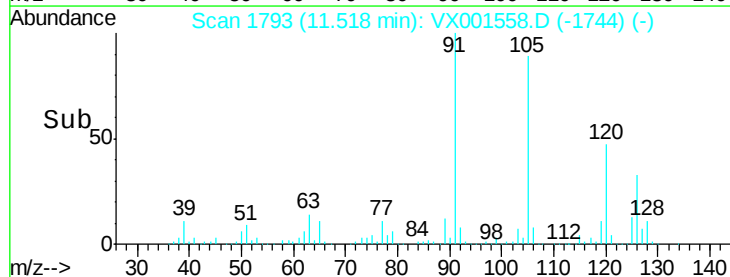
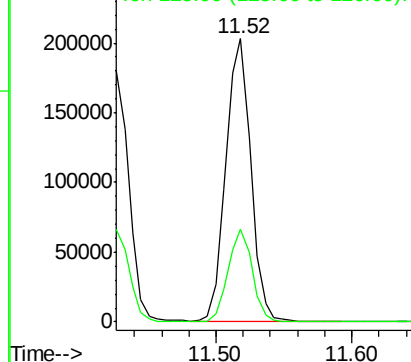
Ion Ratio Lower Upper

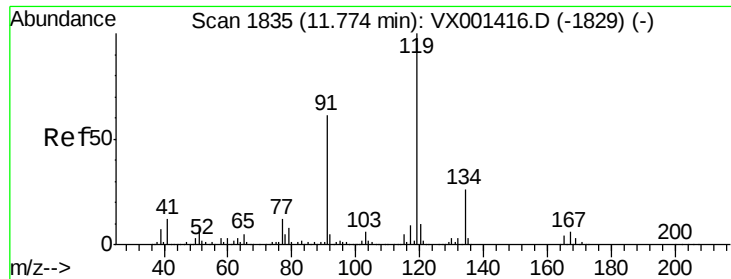
91 100

126 31.9 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





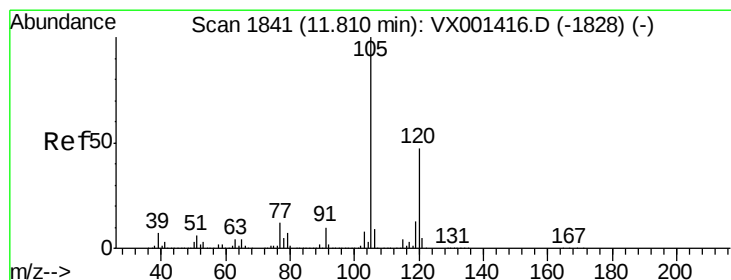
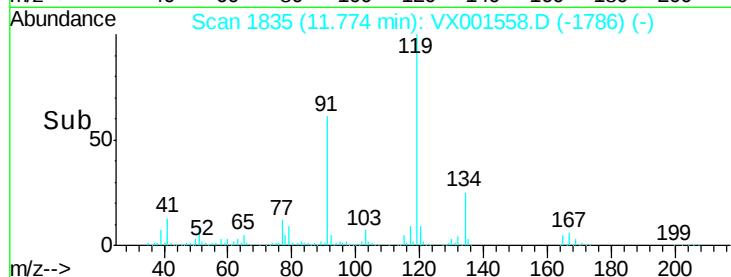
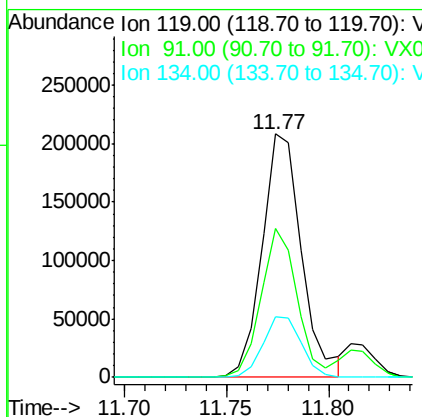
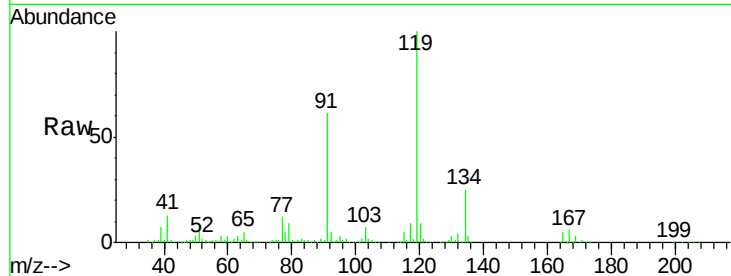
#83
 tert-Butylbenzene
 Concen: 22.70 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280454		
91	55.9		27.8	83.3
134	24.7		12.4	37.0

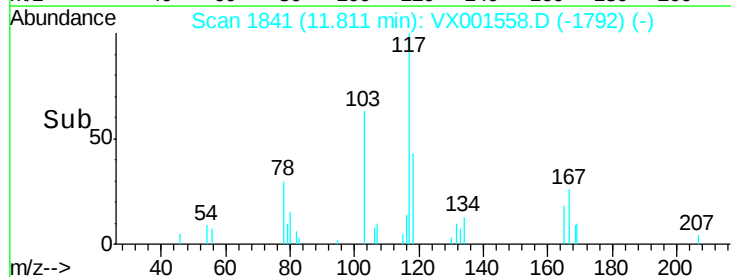
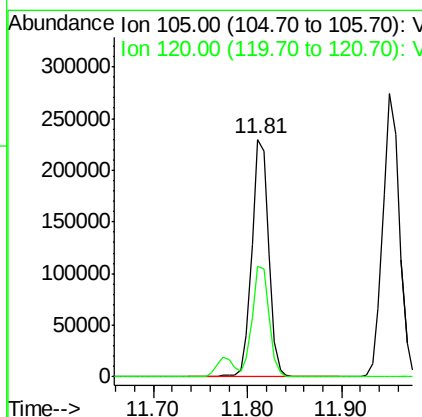
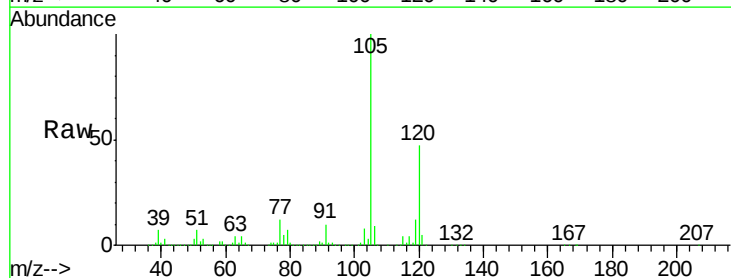
Manual Integrations
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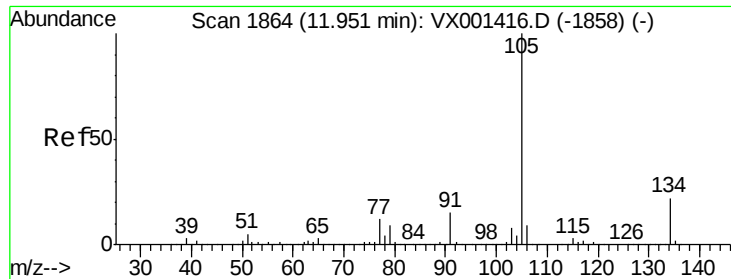
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.77 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	290497		
120	46.5		23.4	70.2





#85

sec-Butylbenzene

Concen: 22.79 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

ClientSampled :

VX0509WBS01

Tot Ion:105 Resp: 337978

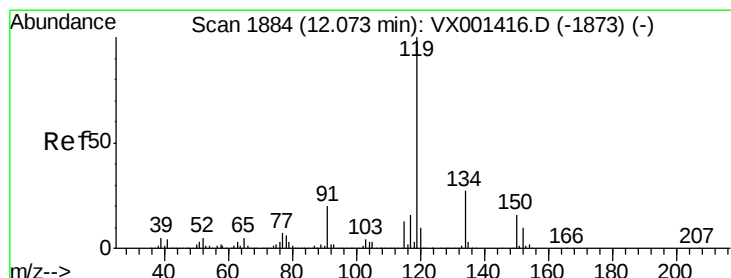
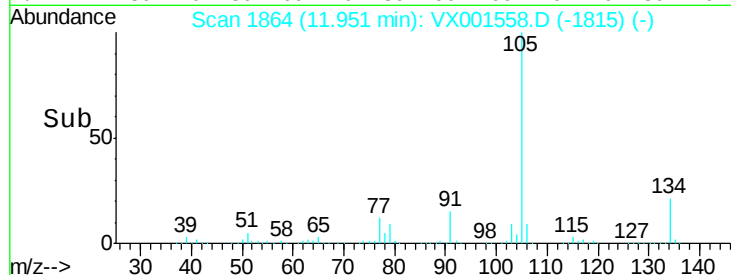
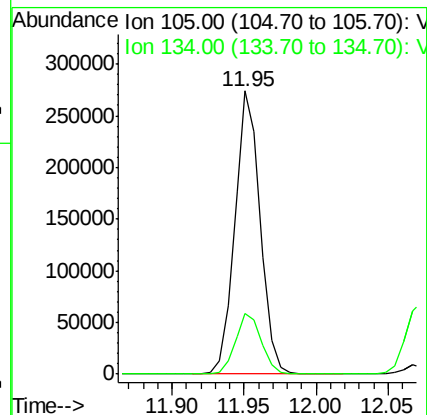
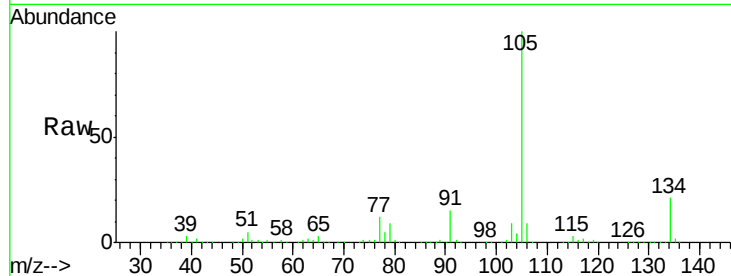
Ion Ratio Lower Upper

105 100

134 21.9 10.9 32.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.59 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

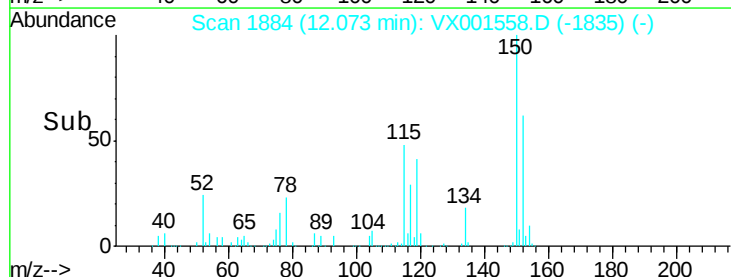
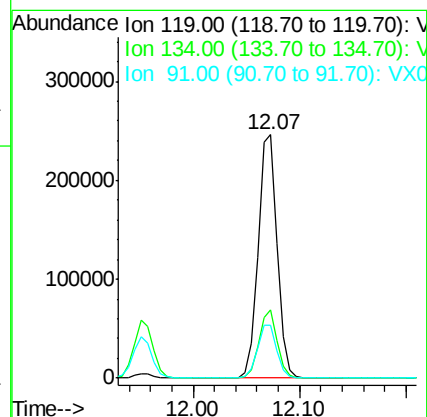
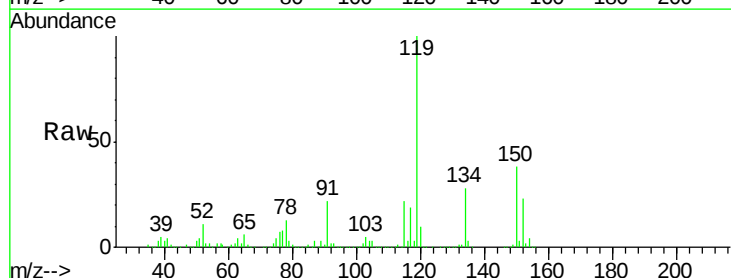
Tgt Ion:119 Resp: 307335

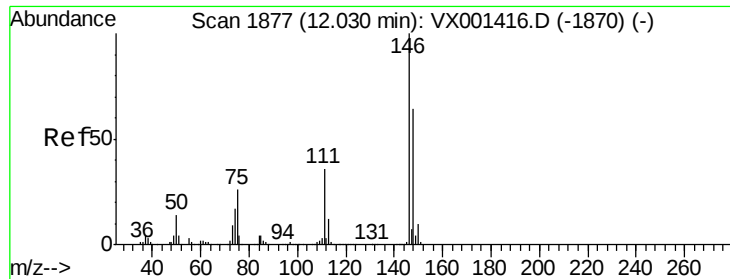
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 22.2 10.8 32.3





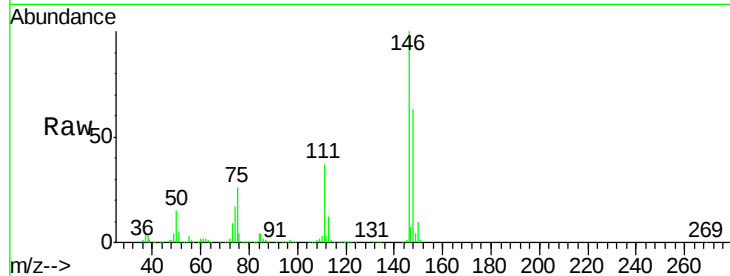
#87
 1,3-Dichlorobenzene
 Concen: 22.00 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	63.9	32.1	96.5

Manual Integrations
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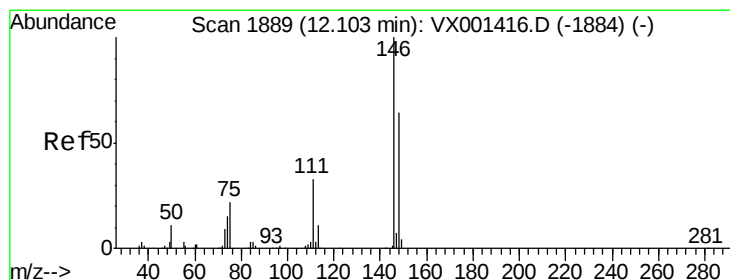
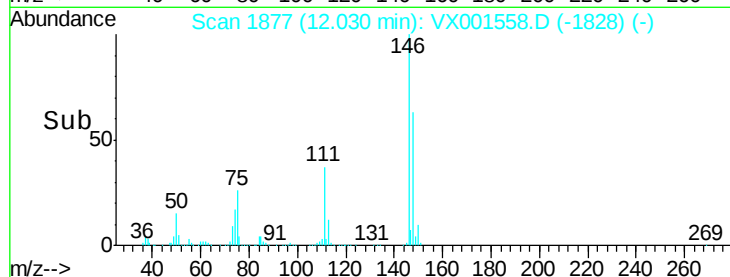
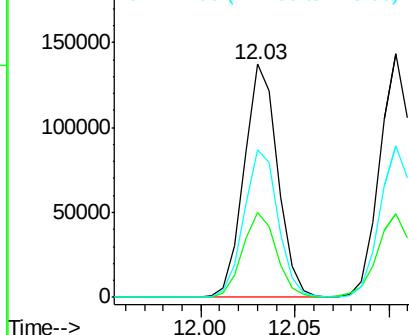


Abundance

Ion 145.90 (145.60 to 146.60): V

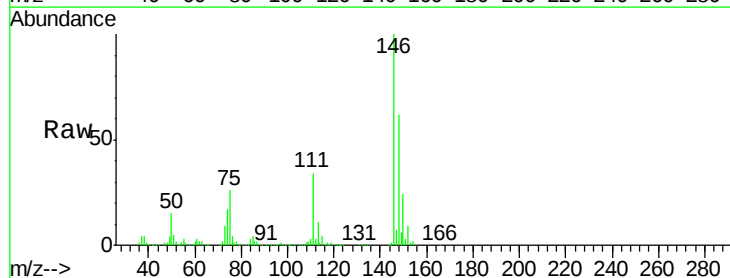
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 21.82 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.4	52.3
148	64.2	32.2	96.6

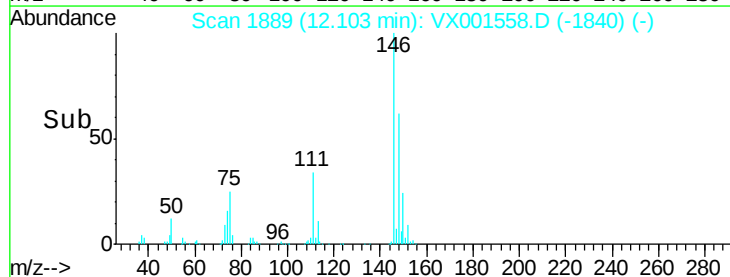
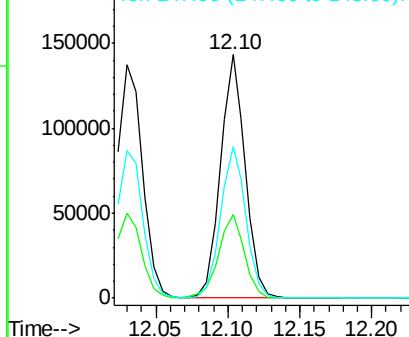


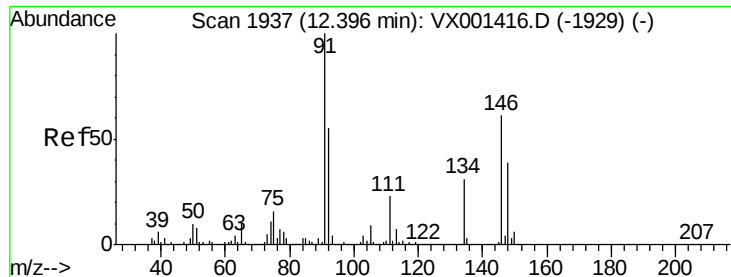
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





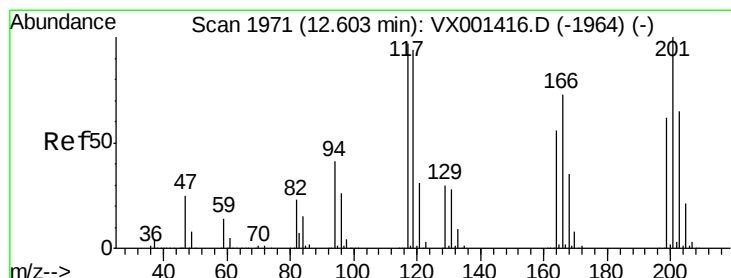
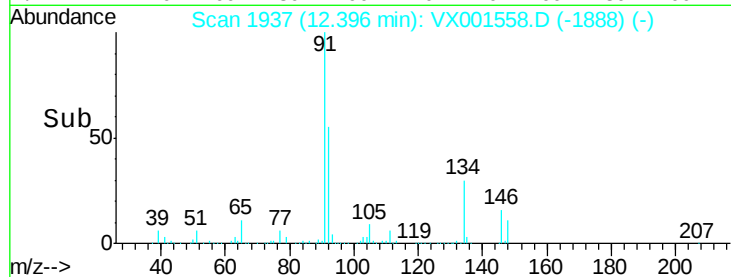
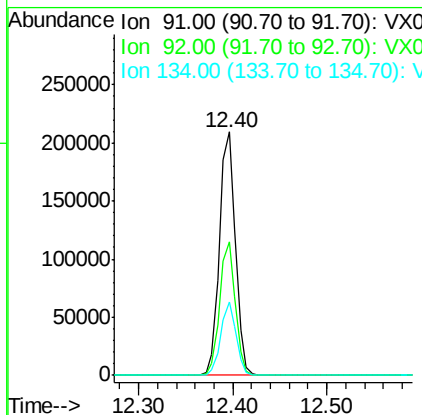
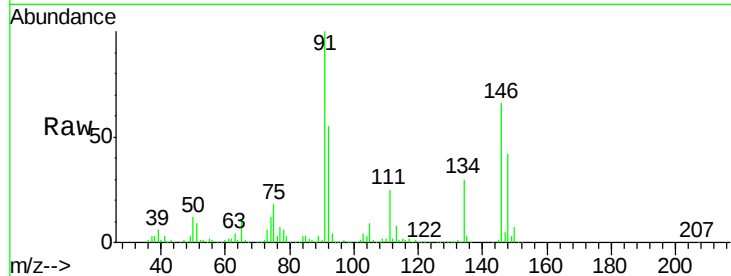
#89
n-Butylbenzene
Concen: 21.84 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	246115		
92	54.0		27.2	81.5
134	28.8		14.6	44.0

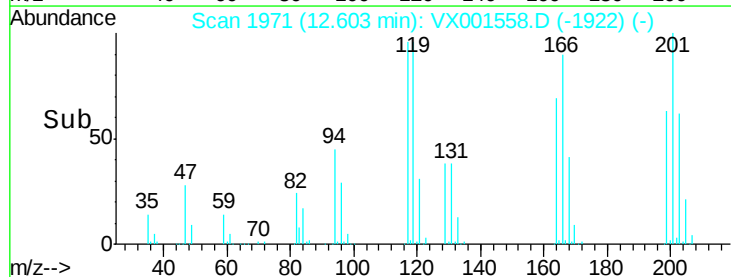
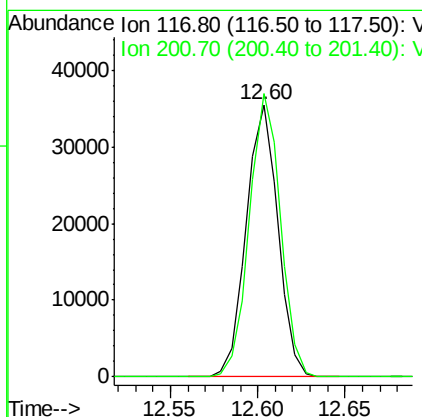
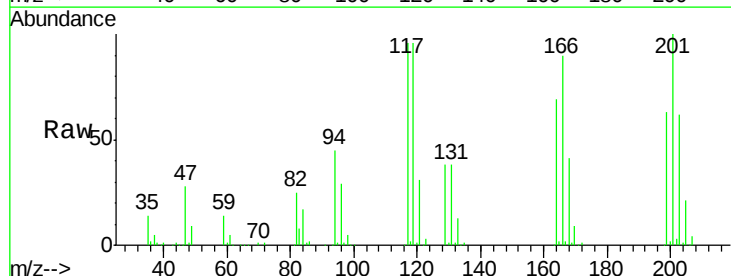
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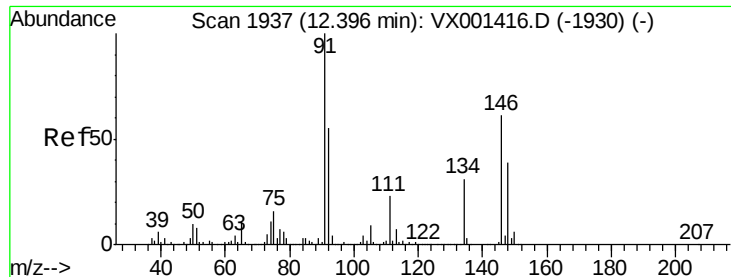
MMDadoda
5/10/2018 1:51:58 PM



#90
Hexachloroethane
Concen: 21.93 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001558.D
Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44927		
201	102.3		51.5	154.5





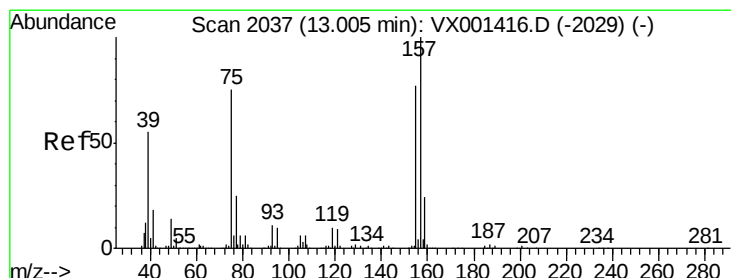
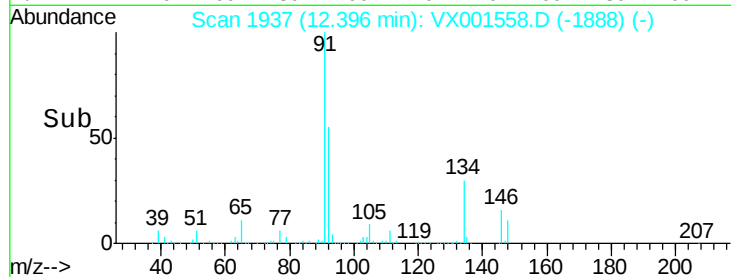
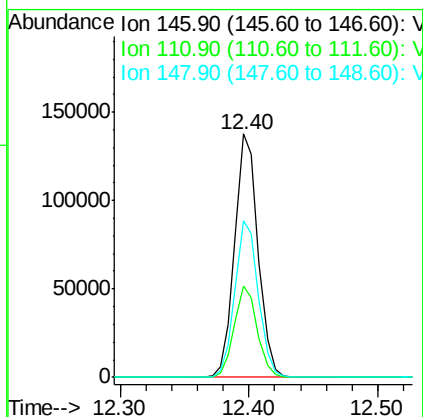
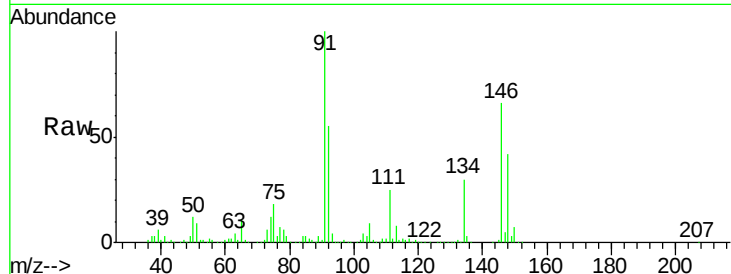
#91
 1,2-Dichlorobenzene
 Concen: 22.16 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.6	32.1	96.5

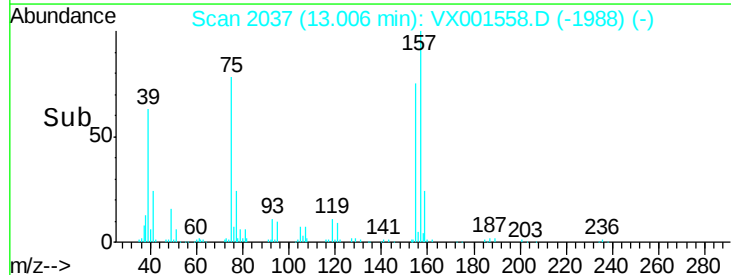
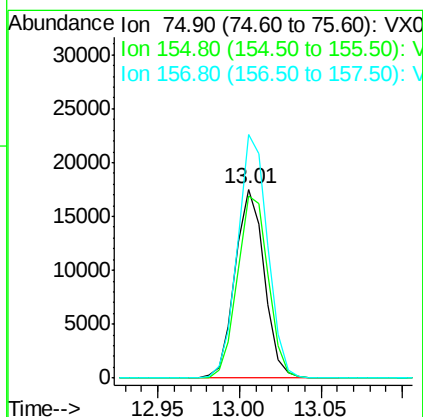
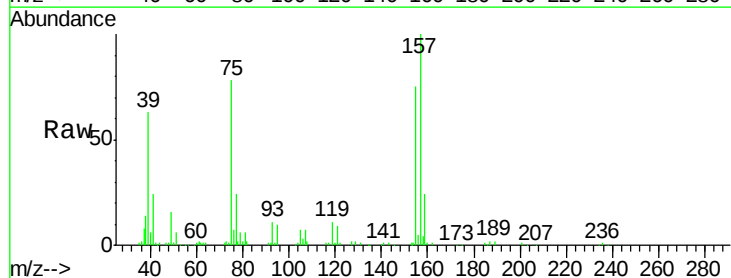
Manual Integrations
 APPROVED

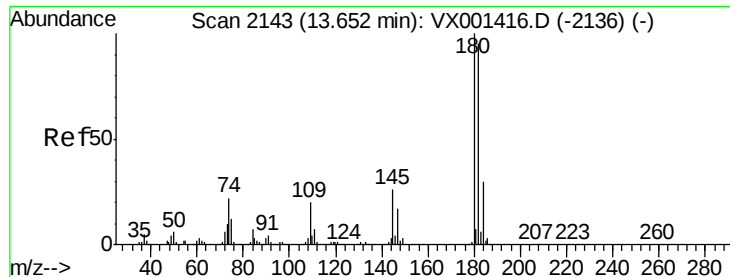
MMDadoda
 5/10/2018 1:51:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.56 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	53.4	160.2
157	132.9	68.3	204.8





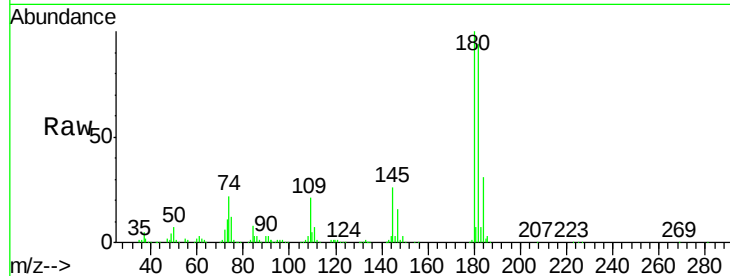
#93
 1,2,4-Trichlorobenzene
 Concen: 21.42 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

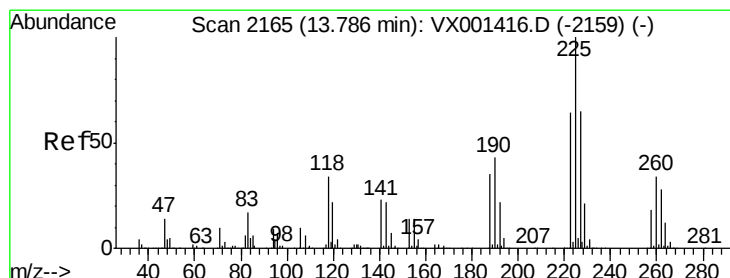
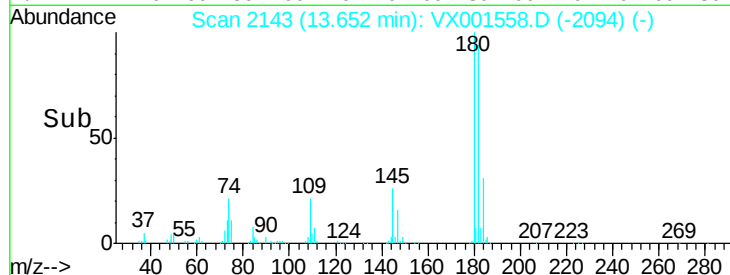
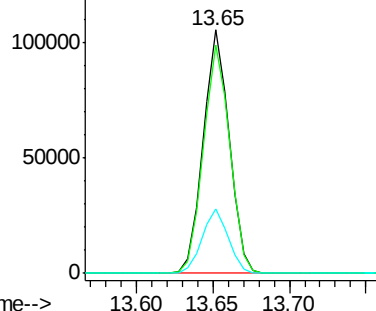
Tot Ion	Ratio	Resp	Lower	Upper
180	100	123562		
182	95.4	47.8	143.4	
145	26.3	13.3	39.9	

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:51:58 PM

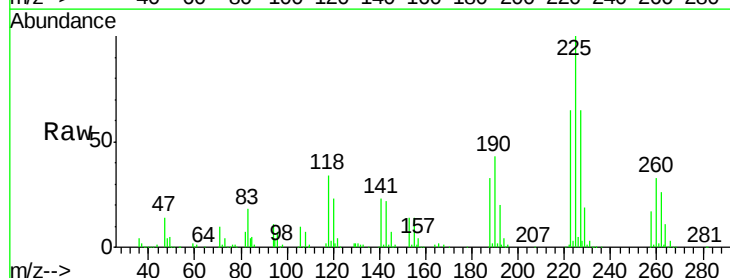


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

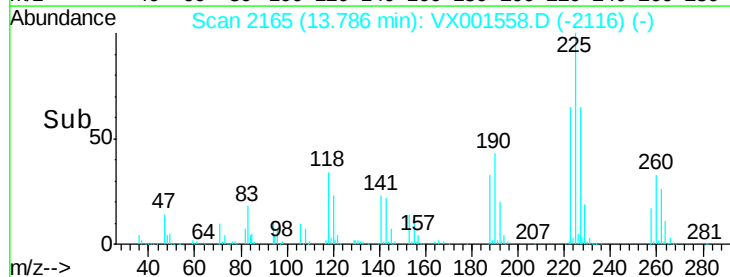
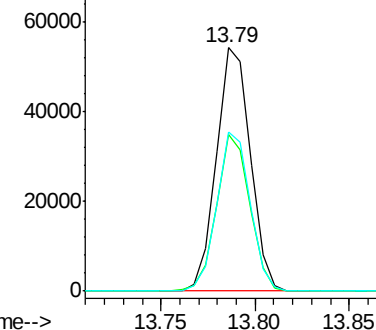


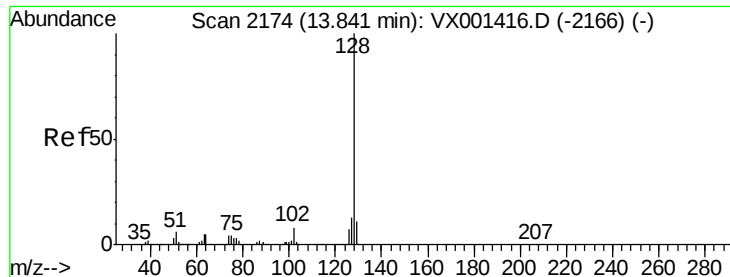
#94
 Hexachlorobutadiene
 Concen: 21.49 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001558.D
 Acq: 09 May 2018 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67841		
223	62.9	31.3	93.9	
227	64.1	32.4	97.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.49 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Instrument :

MSVOA_X

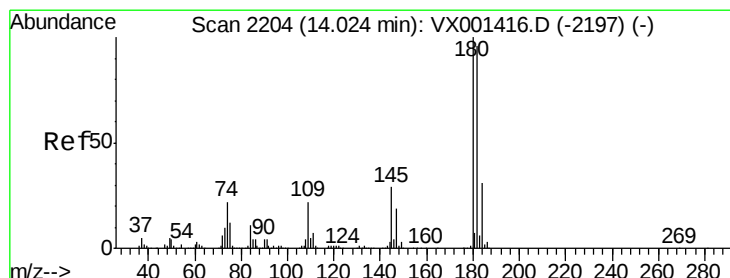
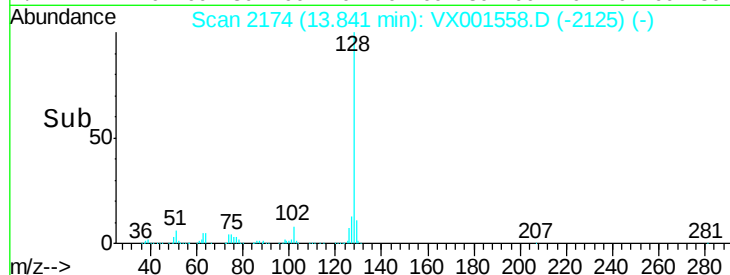
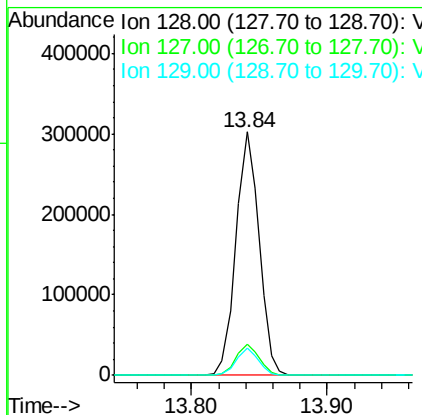
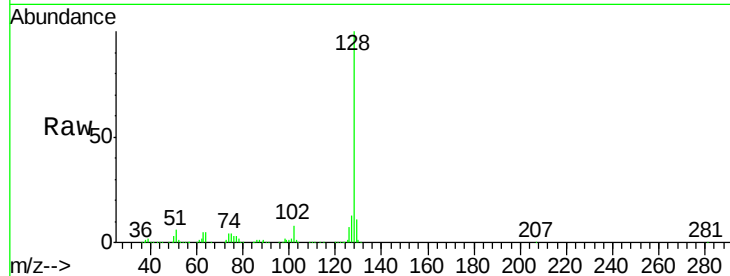
ClientSampleId :

VX0509WBS01

Tot Ion:	128	Resp:	358899
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:51:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.02 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001558.D

Acq: 09 May 2018 16:39

Tgt Ion:	180	Resp:	130367
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.0	144.2
145	28.7	14.1	42.4

