

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002954.D
 Acq On : 28 Jun 2018 00:00
 Operator : JC/MD
 Sample : VX0627WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Manual Integrations
 APPROVED

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 6/28/2018 4:47:57 PM

Quant Time: Jun 28 06:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	367652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	352023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	185846	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	5.51	113	147325	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	8.72	98	535501	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.14	95	202745	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61680	25.94	ug/l	100
3) Chloromethane	1.32	50	61850	24.58	ug/l	99
4) Vinyl Chloride	1.40	62	65542	21.88	ug/l	99
5) Bromomethane	1.64	94	32755	21.90	ug/l	100
6) Chloroethane	1.72	64	41066	22.19	ug/l	99
7) Trichlorofluoromethane	1.93	101	104314	20.64	ug/l	99
8) Diethyl Ether	2.19	74	37267	20.29	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	58488	19.98	ug/l	99
10) Methyl Iodide	2.51	142	53187	21.91	ug/l	99
11) Tert butyl alcohol	3.07	59	75758	103.88	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53085	20.32	ug/l	94
13) Acrolein	2.29	56	44839	113.25	ug/l	97
14) Allyl chloride	2.73	41	101790	19.77	ug/l	98
15) Acrylonitrile	3.15	53	158589	101.80	ug/l	99
16) Acetone	2.45	43	148184	97.74	ug/l	98
17) Carbon Disulfide	2.57	76	143970	20.69	ug/l	97
18) Methyl Acetate	2.78	43	74149	17.49	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	187486	19.96	ug/l	99
20) Methylene Chloride	2.86	84	59316	20.10	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	57139	20.08	ug/l	94
22) Diisopropyl ether	3.87	45	200844	20.41	ug/l	95
23) Vinyl Acetate	3.83	43	868712	104.23	ug/l	99
24) 1,1-Dichloroethane	3.70	63	108643	20.31	ug/l	99
25) 2-Butanone	4.71	43	227807	101.24	ug/l	96
26) 2,2-Dichloropropane	4.59	77	67393	15.49	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	63717	19.97	ug/l	97
28) Bromochloromethane	5.02	49	51241	20.01	ug/l	96
29) Tetrahydrofuran	5.17	42	147599	102.29	ug/l	97
30) Chloroform	5.22	83	110628	20.15	ug/l	97
31) Cyclohexane	5.57	56	93076	20.27	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	97163	20.11	ug/l	99
36) 1,1-Dichloropropene	5.80	75	79547	19.73	ug/l	98
37) Ethyl Acetate	4.87	43	88972	20.50	ug/l	98
38) Carbon Tetrachloride	5.79	117	87119	19.69	ug/l	99

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Manual Integrations
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Quant Time: Jun 28 06:41:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94022	20.02	ug/l	97
40) Benzene	6.15	78	240095	20.50	ug/l	99
41) Methacrylonitrile	5.07	41	50079	20.03	ug/l	98
42) 1,2-Dichloroethane	6.20	62	93576	19.77	ug/l	99
43) Isopropyl Acetate	6.47	43	142267	19.54	ug/l	99
44) Trichloroethene	7.22	130	71021	20.33	ug/l	99
45) 1,2-Dichloropropane	7.52	63	61945	19.93	ug/l	97
46) Dibromomethane	7.67	93	42669	19.79	ug/l	96
47) Bromodichloromethane	7.90	83	77298	19.39	ug/l	97
48) Methyl methacrylate	7.78	41	72751	19.39	ug/l	98
49) 1,4-Dioxane	7.76	88	29978	410.75	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	461294	101.27	ug/l	99
52) Toluene	8.79	92	153787	20.49	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	85864	19.02	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	78956	18.17	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	61877	20.07	ug/l	94
56) Ethyl methacrylate	9.18	69	90306	20.04	ug/l	98
57) 1,3-Dichloropropane	9.37	76	101320	20.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	221864	102.04	ug/l	98
59) 2-Hexanone	9.50	43	350361	101.21	ug/l	98
60) Dibromochloromethane	9.59	129	62387	19.22	ug/l	100
61) 1,2-Dibromoethane	9.68	107	64641	19.98	ug/l	99
64) Tetrachloroethene	9.34	164	77327	19.76	ug/l	98
65) Chlorobenzene	10.14	112	177001	19.80	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	63409	19.52	ug/l	100
67) Ethyl Benzene	10.26	91	295376	20.00	ug/l	100
68) m/p-Xylenes	10.36	106	231104	40.60	ug/l	99
69) o-Xylene	10.70	106	110773	19.98	ug/l	100
70) Styrene	10.71	104	183303	20.35	ug/l	99
71) Bromoform	10.86	173	46391	18.48	ug/l	100
73) Isopropylbenzene	11.02	105	304658	20.81	ug/l	99
74) N-amyl acetate	6.47	43	142267	19.86	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91669	20.33	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	79398m	20.14	ug/l	
77) Bromobenzene	11.26	156	84097	20.17	ug/l	97
78) n-propylbenzene	11.37	91	341633	20.50	ug/l	100
79) 2-Chlorotoluene	11.43	91	203562	20.18	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	251698	20.41	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	20355	17.34	ug/l	90
82) 4-Chlorotoluene	11.51	91	241222	20.20	ug/l	99
83) tert-Butylbenzene	11.77	119	248084	20.41	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	261684	20.48	ug/l	99
85) sec-Butylbenzene	11.95	105	301468	20.45	ug/l	100
86) p-Isopropyltoluene	12.07	119	269380	20.32	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	153238	20.12	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	153368	19.57	ug/l	99
89) n-Butylbenzene	12.39	91	223644	19.39	ug/l	99
90) Hexachloroethane	12.60	117	37710	19.13	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	150852	19.63	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19658	19.39	ug/l	98

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MSVOA_X
ClientSampleId :
VX0627WBS02

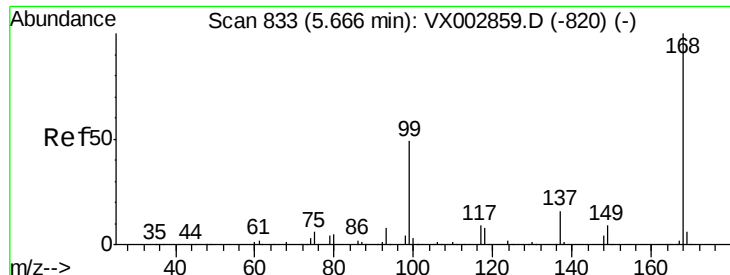
Manual Integrations
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Quant Time: Jun 28 06:41:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107812	19.27	ug/l	99
94) Hexachlorobutadiene	13.79	225	53071	19.02	ug/l	99
95) Naphthalene	13.84	128	298533	20.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110616	19.80	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:168 Resp: 264871

Ion Ratio Lower Upper

168 100

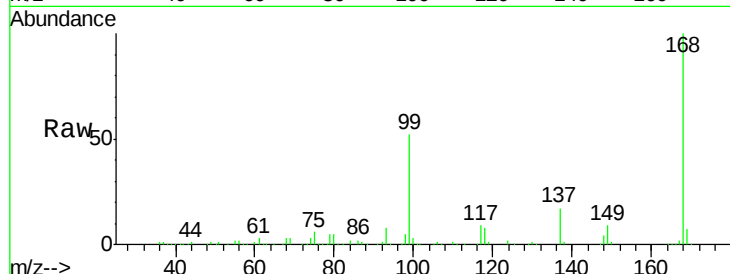
99 51.9 39.3 58.9

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

100000

80000

60000

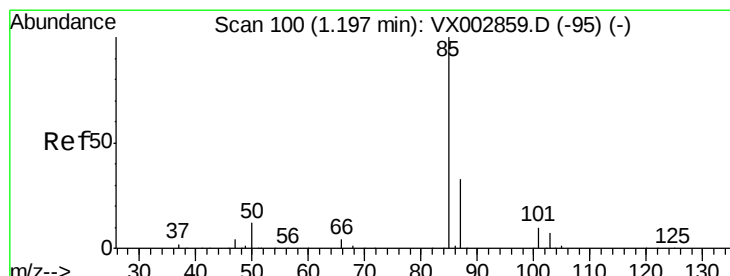
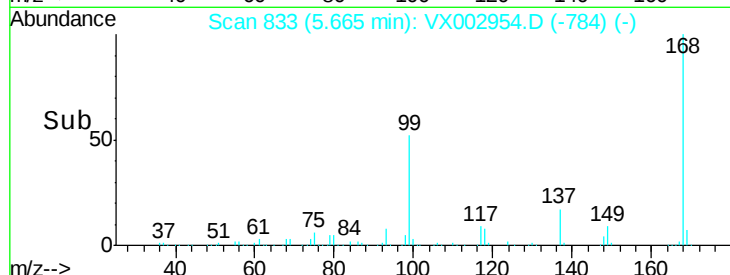
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 25.94 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002954.D

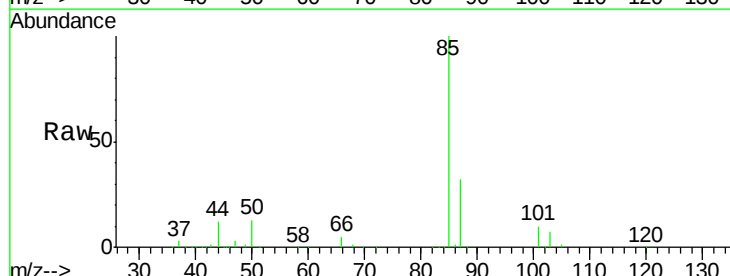
Acq: 28 Jun 2018 00:00

Tgt Ion: 85 Resp: 61680

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

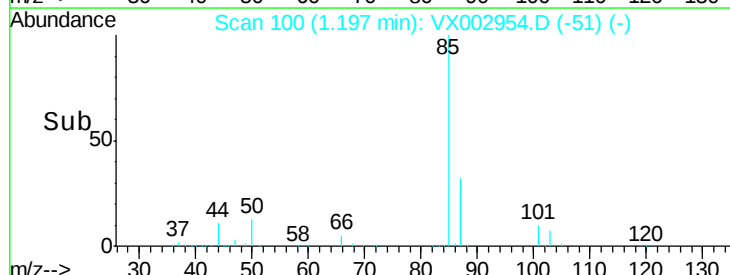
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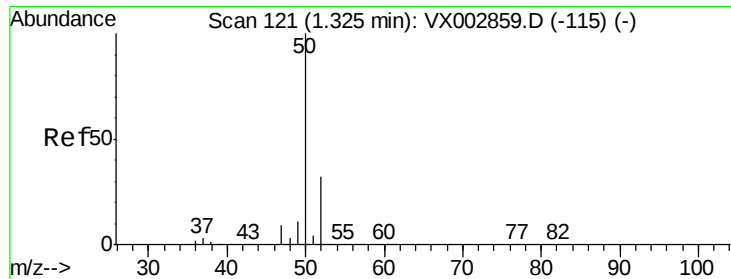
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 24.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 50 Resp: 61850

Ion Ratio Lower Upper

50 100

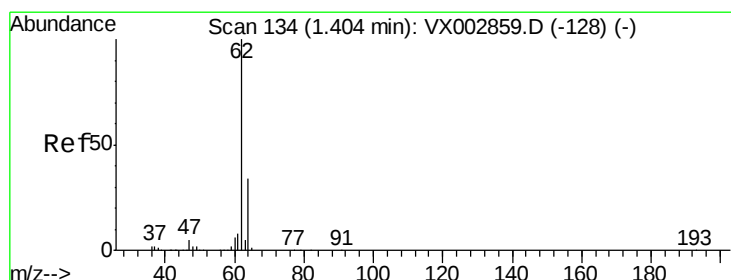
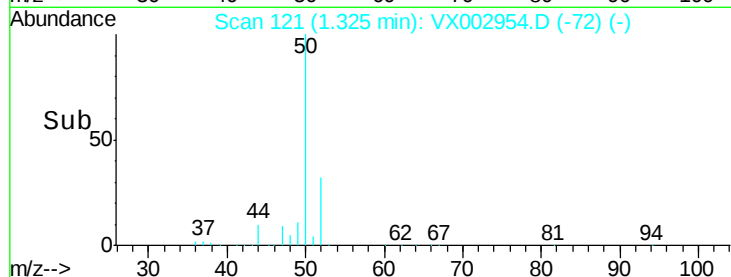
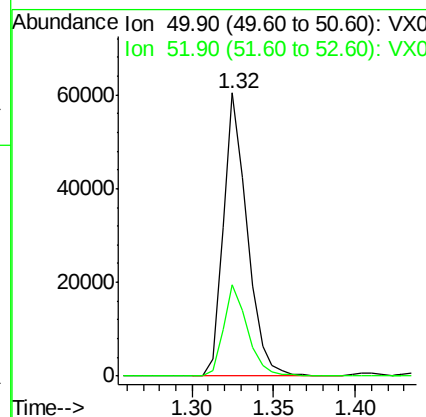
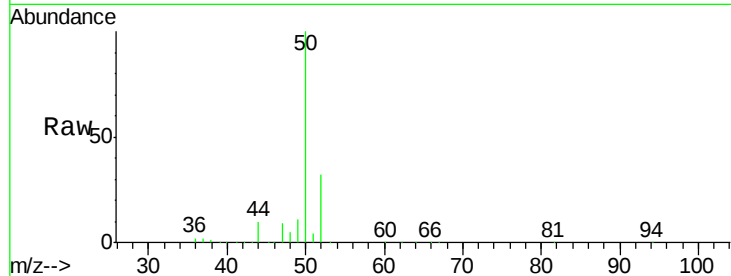
52 32.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.88 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002954.D

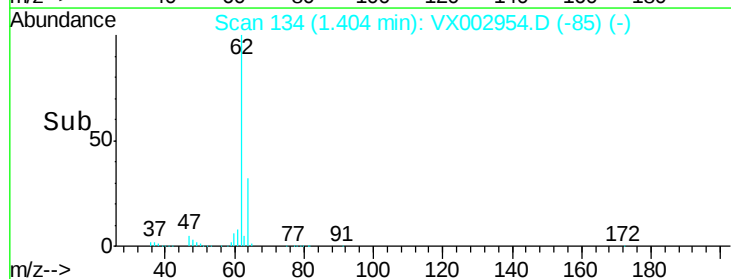
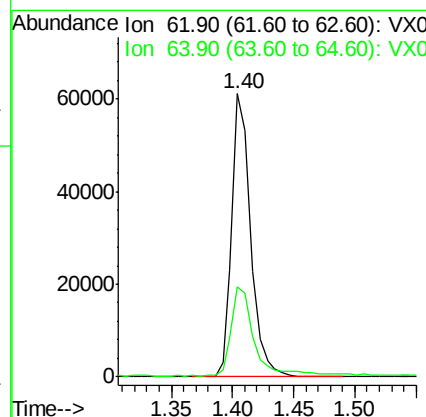
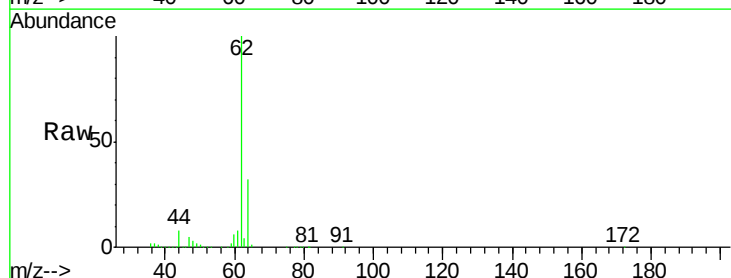
Acq: 28 Jun 2018 00:00

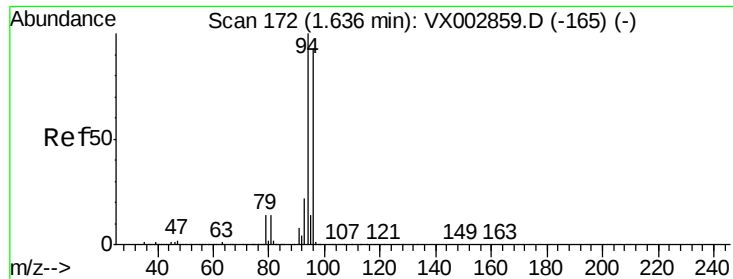
Tgt Ion: 62 Resp: 65542

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 21.90 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 94 Resp: 32755

Ion Ratio Lower Upper

94 100

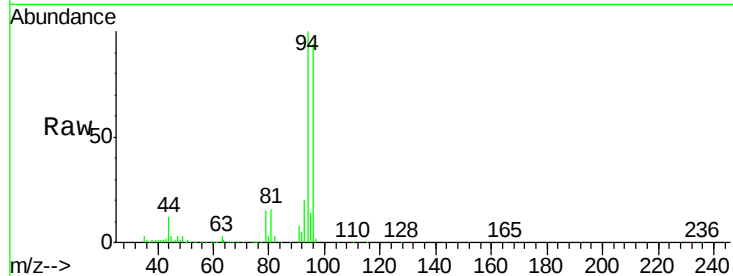
96 93.6 74.9 112.3

Manual Integrations

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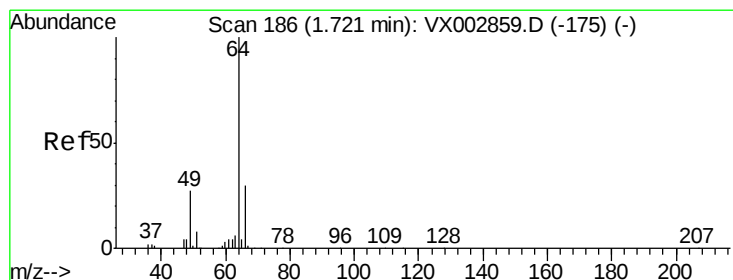
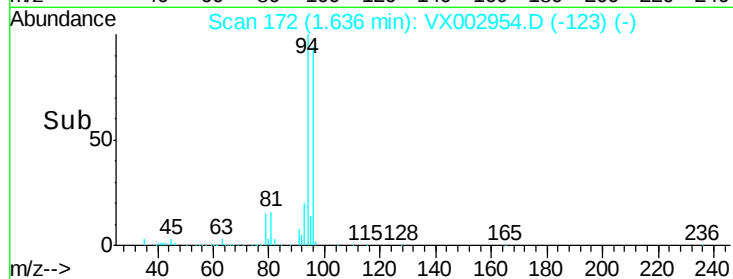
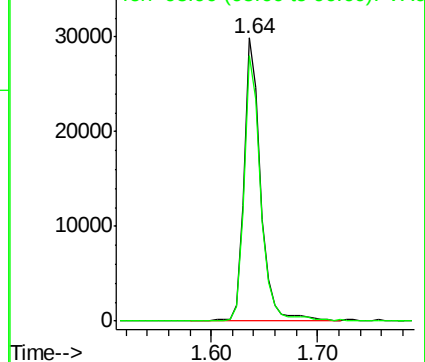
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 22.19 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002954.D

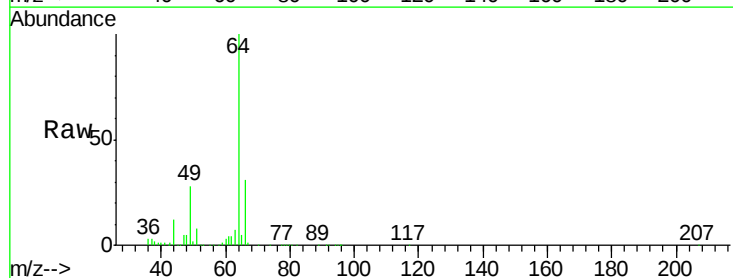
Acq: 28 Jun 2018 00:00

Tgt Ion: 64 Resp: 41066

Ion Ratio Lower Upper

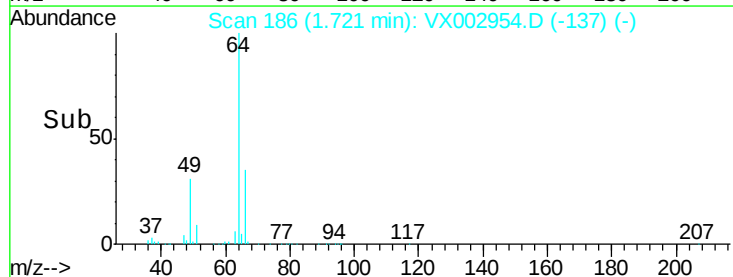
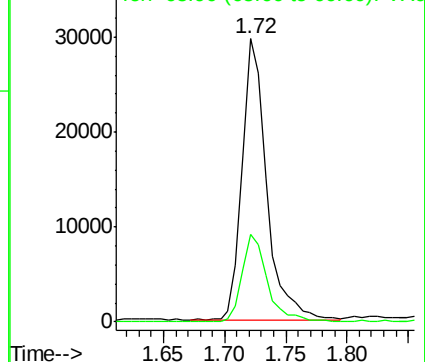
64 100

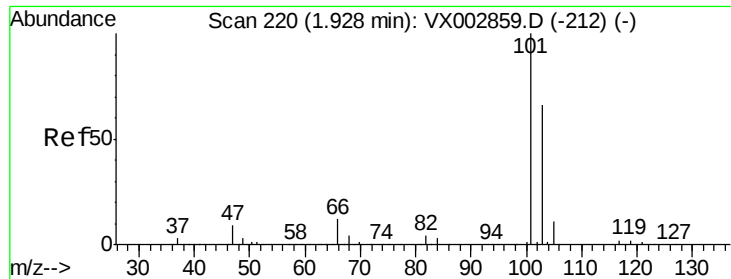
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

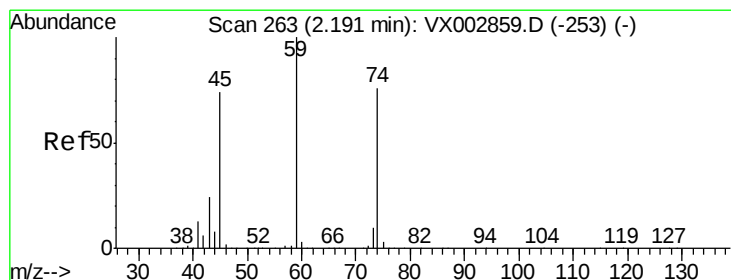
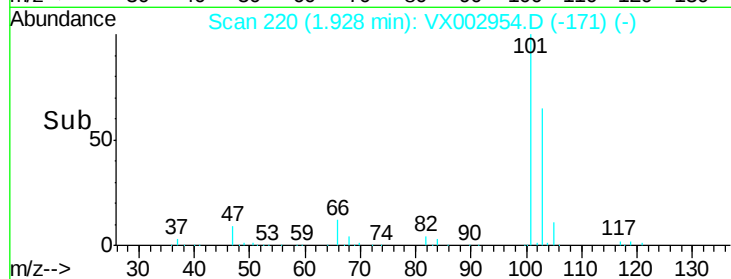
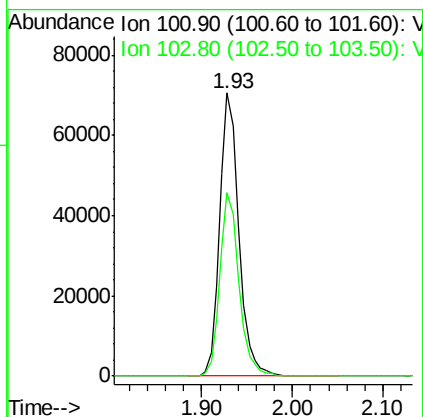
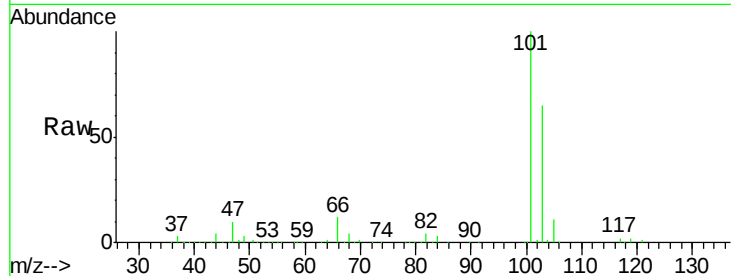
Trichlorofluoromethane
Concen: 20.64 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
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ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.8	79.2

Manual Integrations
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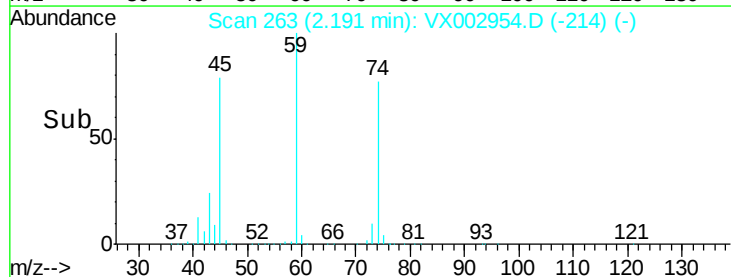
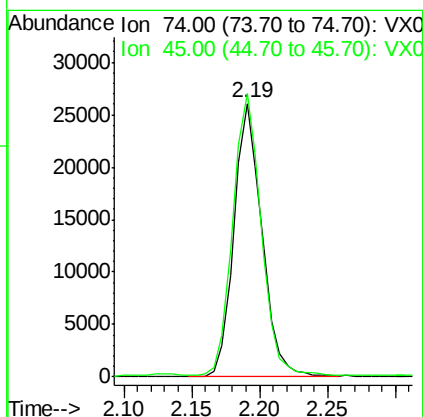
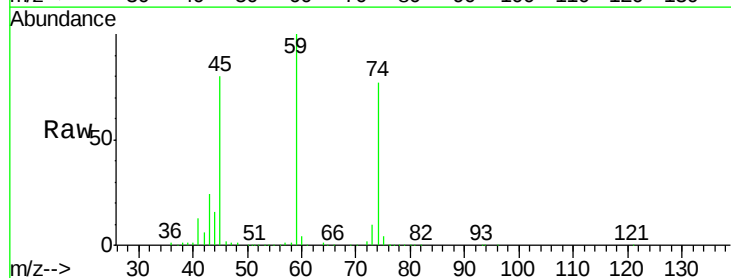
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#8

Diethyl Ether
Concen: 20.29 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.98 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

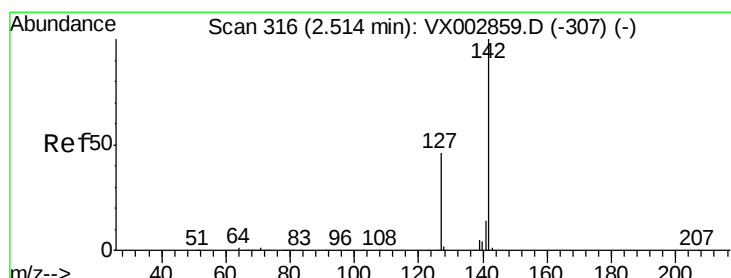
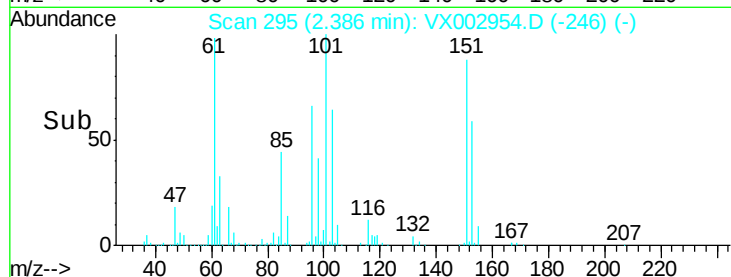
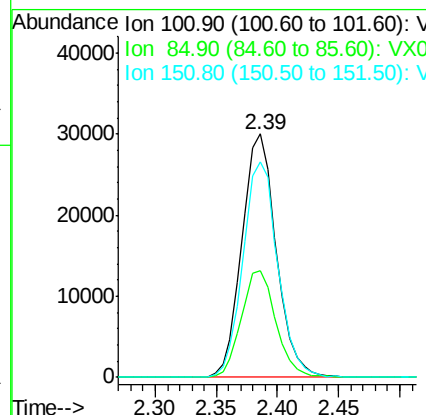
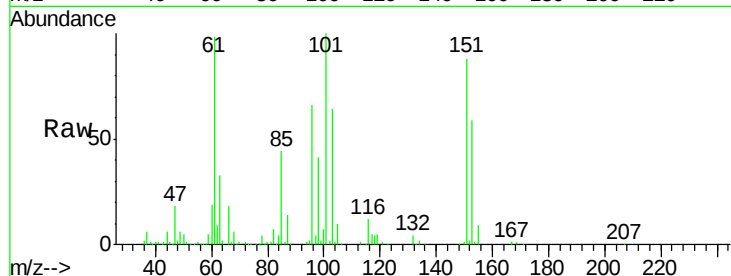
ClientSampleId :

VX0627WBS02

Tot Ion:	101	Resp:	58488
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	90.2	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 21.91 ug/l

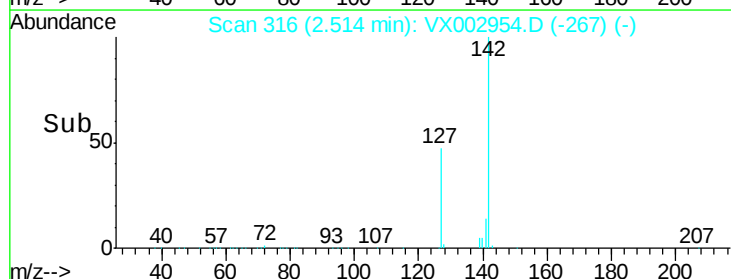
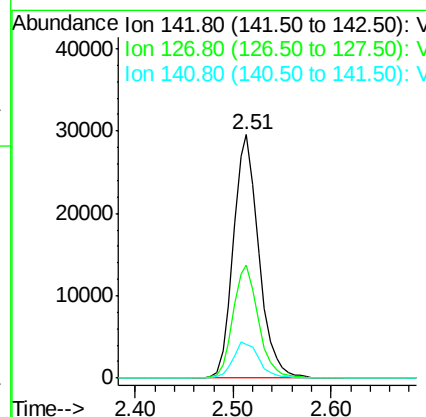
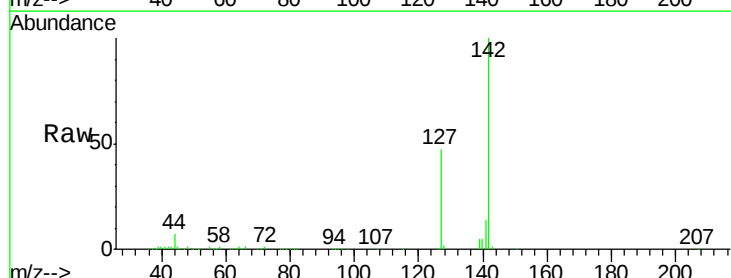
RT: 2.51 min Scan# 316

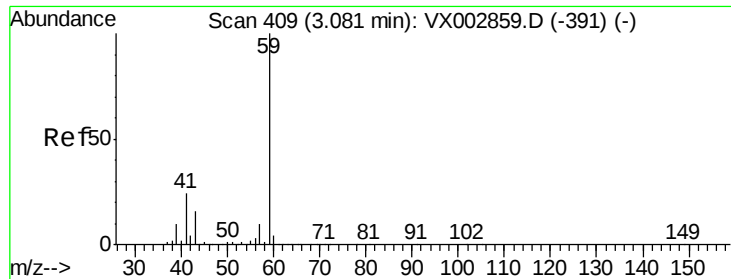
Delta R.T. 0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	142	Resp:	53187
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.6	55.0
141	14.9	11.3	16.9





#11

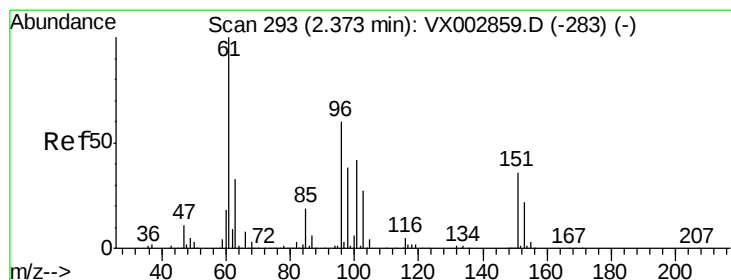
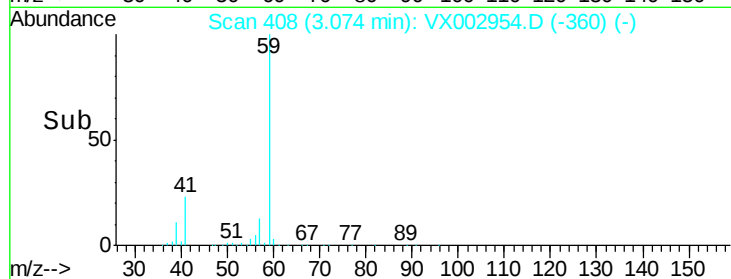
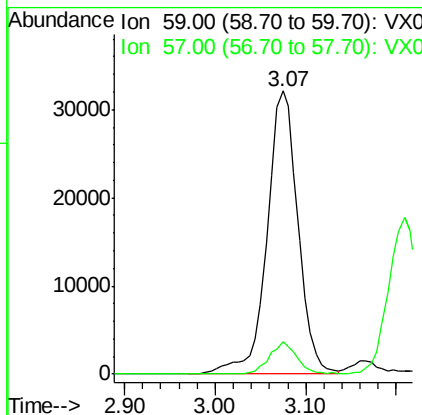
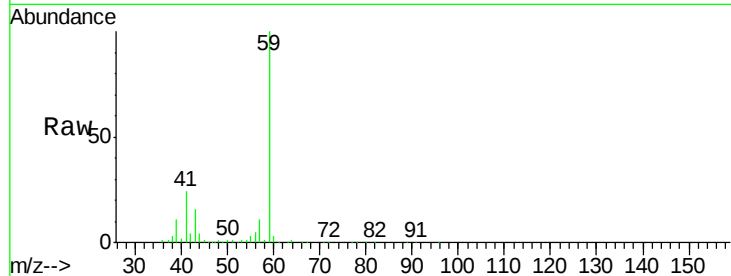
Tert butyl alcohol
 Concen: 103.88 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

Manual Integrations
 APPROVED

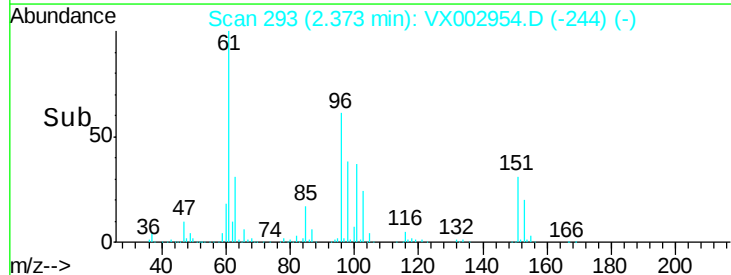
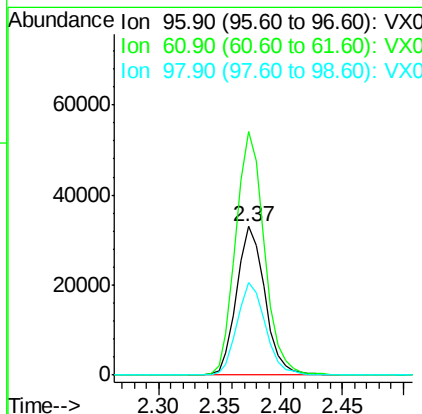
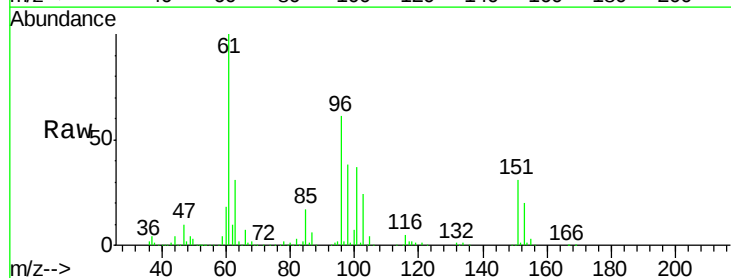
MMDadoda
 6/28/2018 4:47:57 PM



#12

1,1-Dichloroethene
 Concen: 20.32 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	137.9	206.9
98	61.9	51.6	77.4





#13

Acrolein

Concen: 113.25 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 56 Resp: 44839

Ion Ratio Lower Upper

56 100

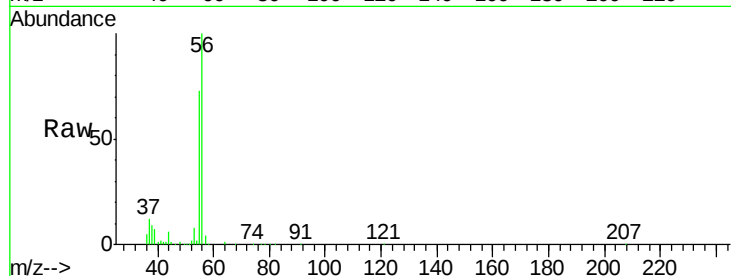
55 73.7 57.0 85.4

Manual Integrations

APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

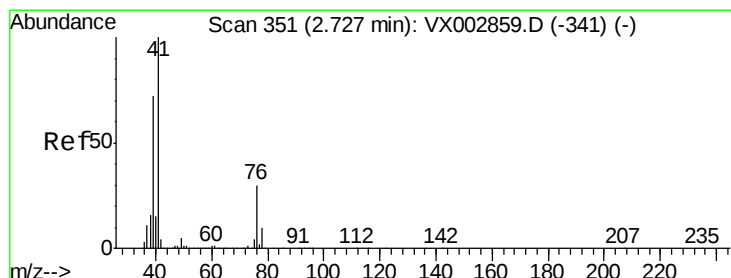
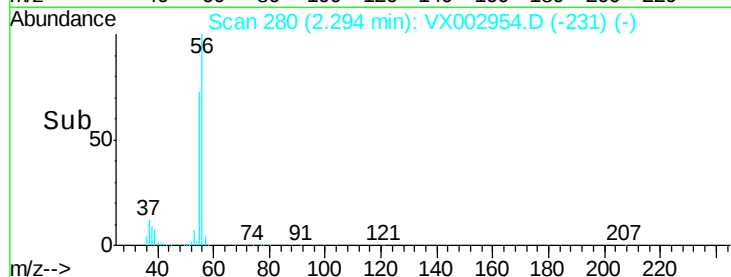
30000

20000

10000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 19.77 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

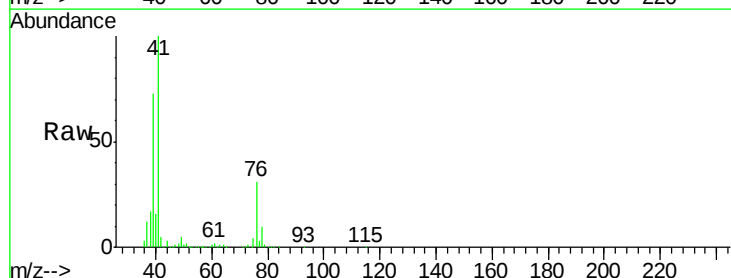
Tgt Ion: 41 Resp: 101790

Ion Ratio Lower Upper

41 100

39 68.7 56.8 85.2

76 30.1 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

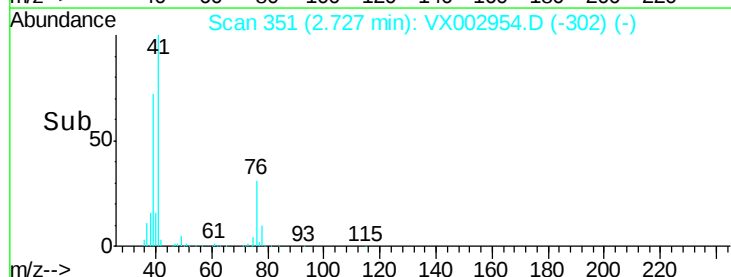
60000

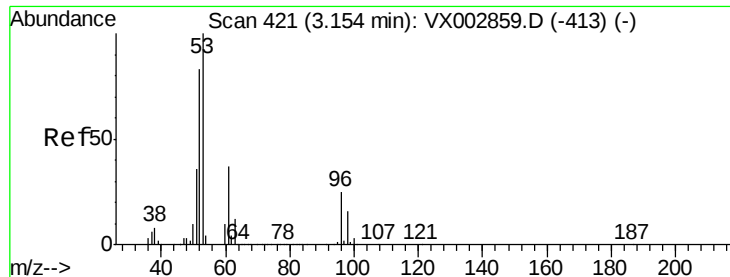
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 101.80 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

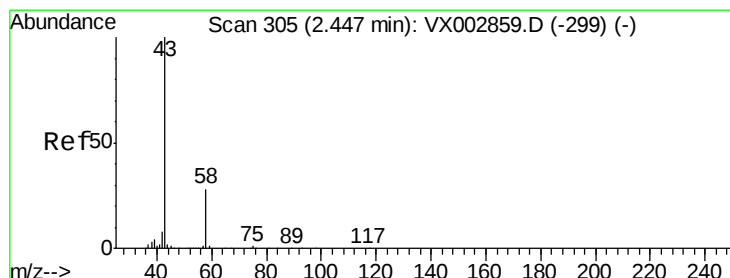
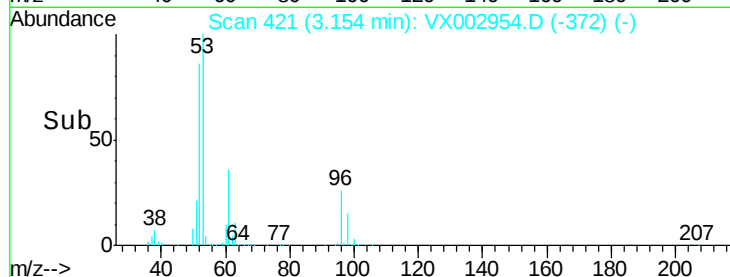
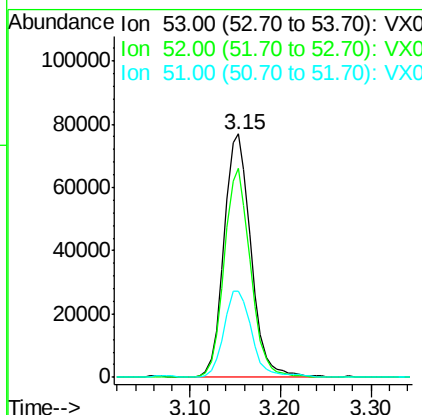
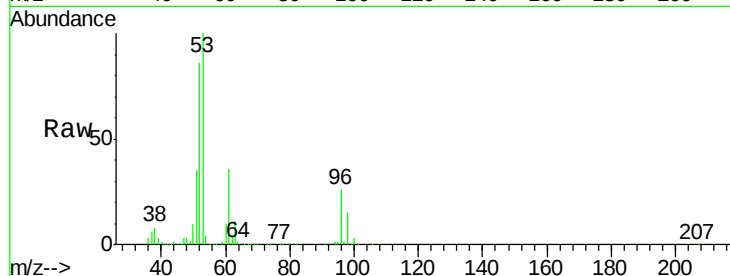
ClientSampled :

VX0627WBS02

Tot Ion:	53	Resp:	158589
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	36.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 97.74 ug/l

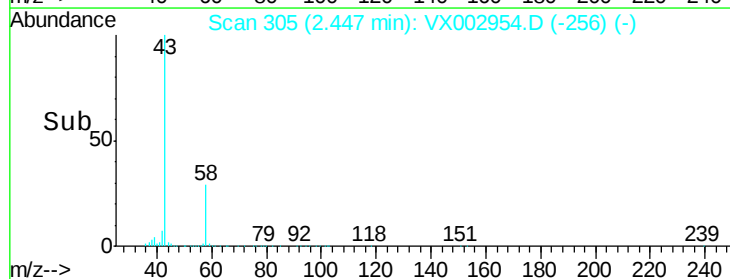
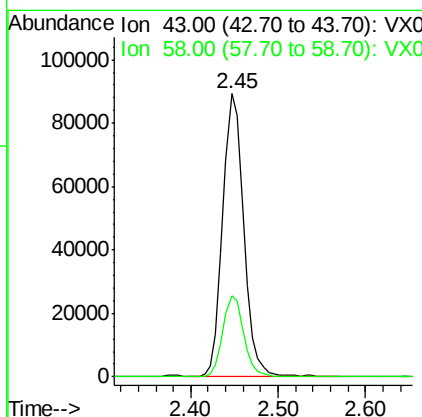
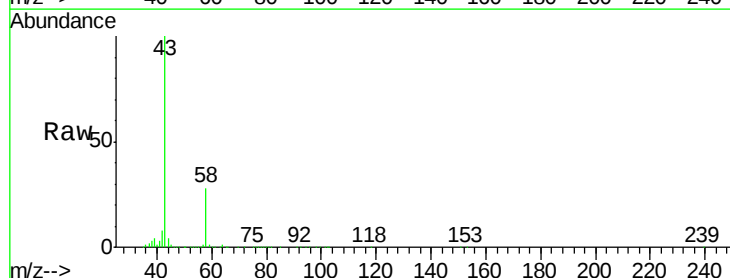
RT: 2.45 min Scan# 305

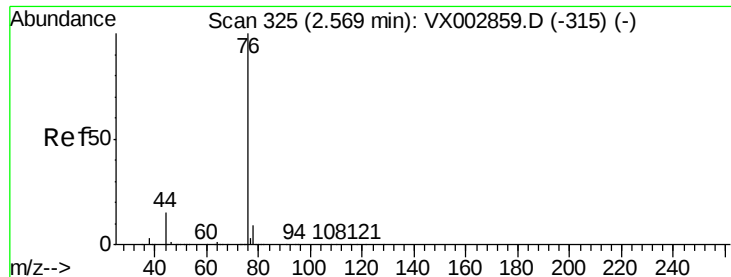
Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	43	Resp:	148184
Ion Ratio	Lower	Upper	
43	100		
58	28.5	22.1	33.1





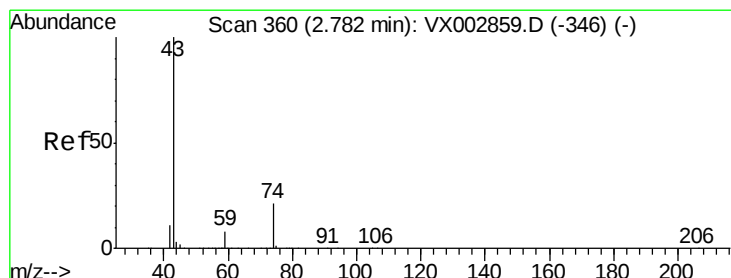
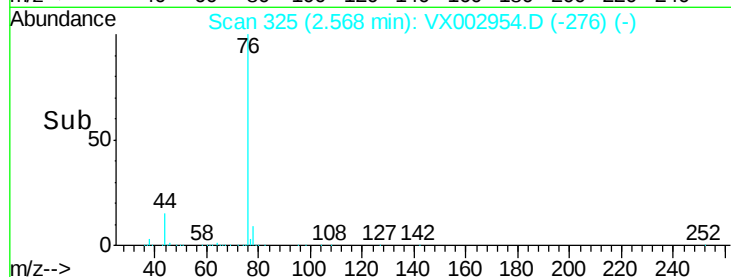
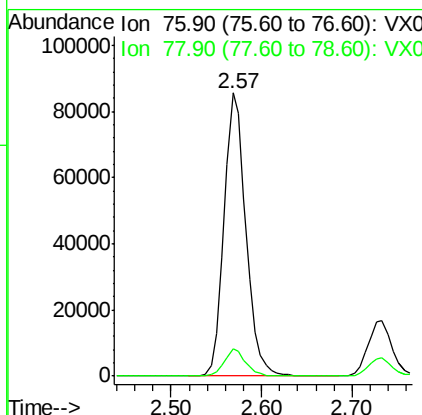
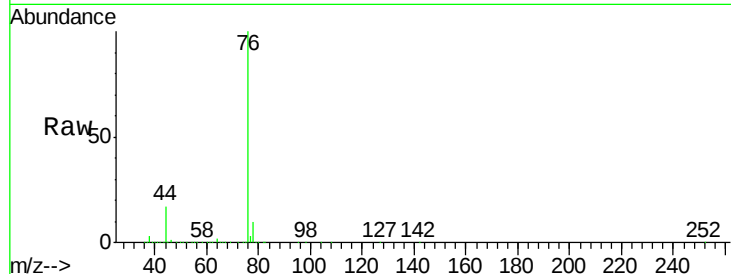
#17
Carbon Disulfide
Concen: 20.69 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.9	10.3

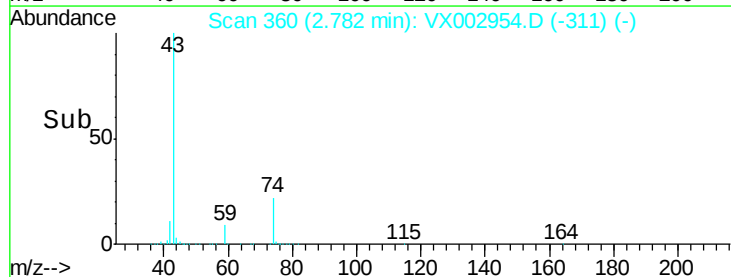
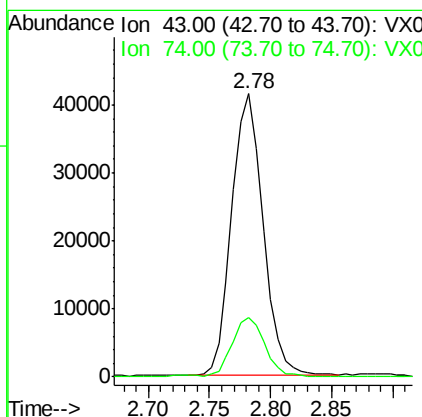
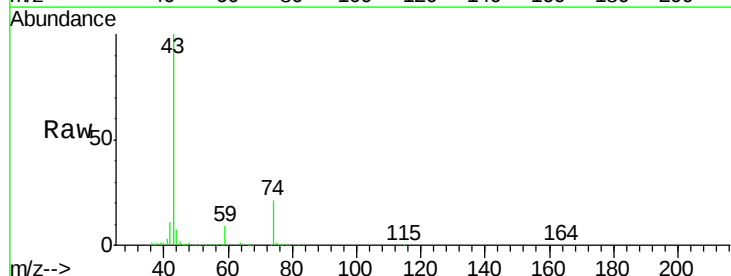
Manual Integrations
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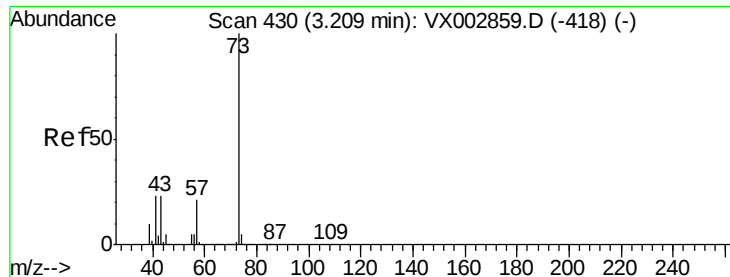
MMDadoda
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#18
Methyl Acetate
Concen: 17.49 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.7	25.1





#19

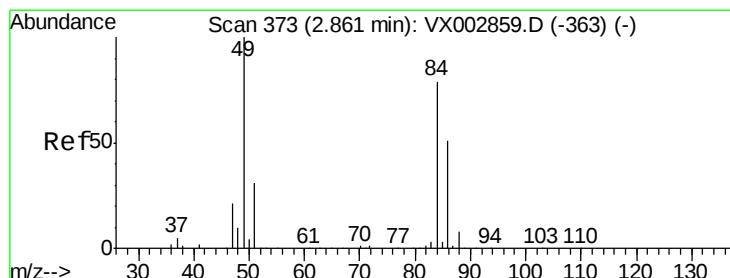
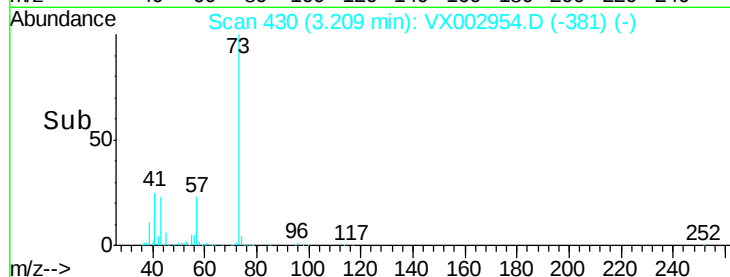
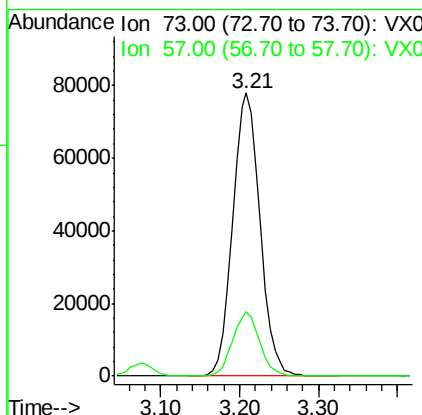
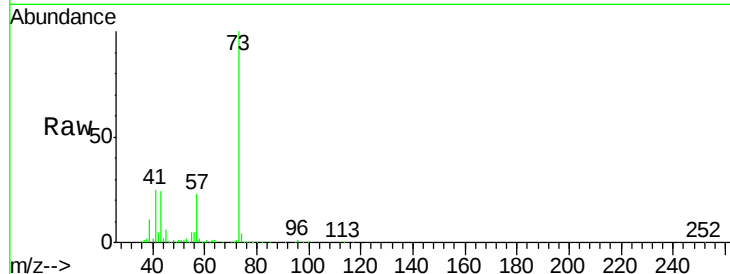
Methyl tert-butyl Ether
 Concen: 19.96 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.7	26.5

Manual Integrations
 APPROVED

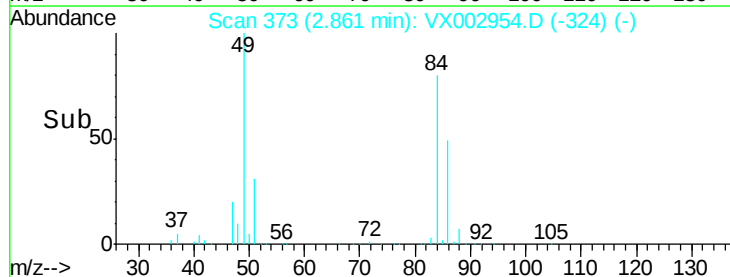
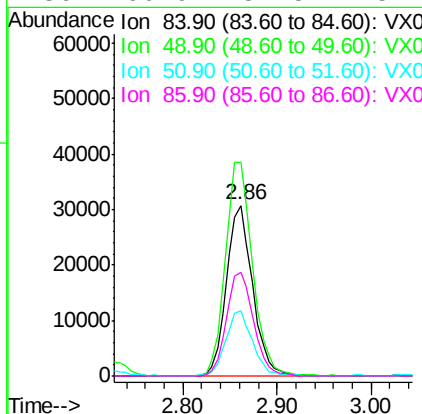
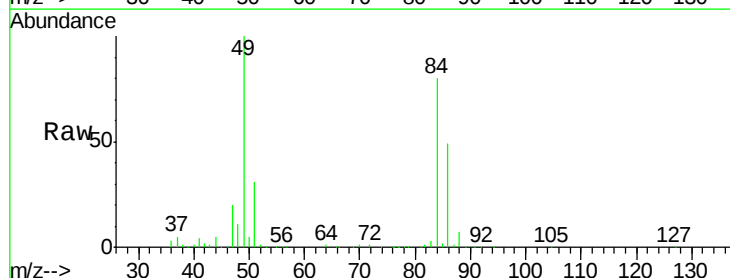
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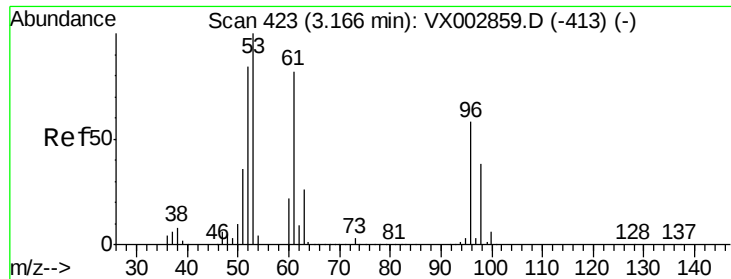


#20

Methylene Chloride
 Concen: 20.10 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.9	107.8	161.6
51	38.1	32.8	49.2
86	60.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.08 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

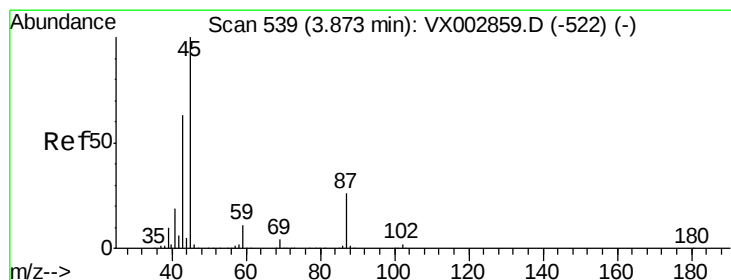
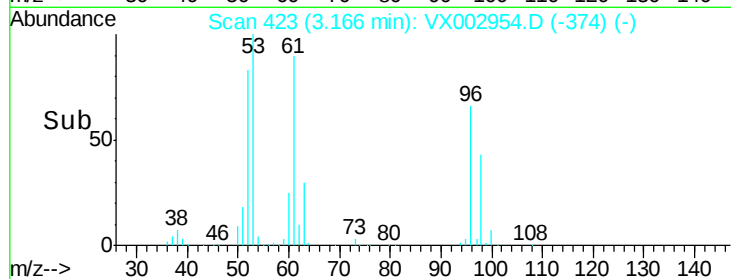
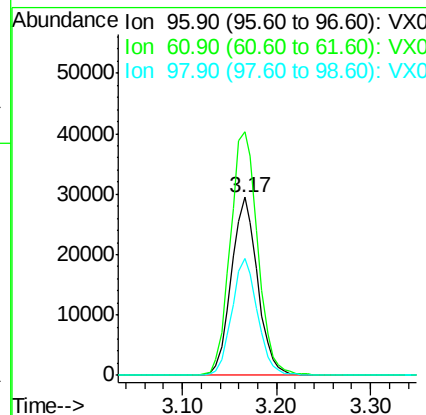
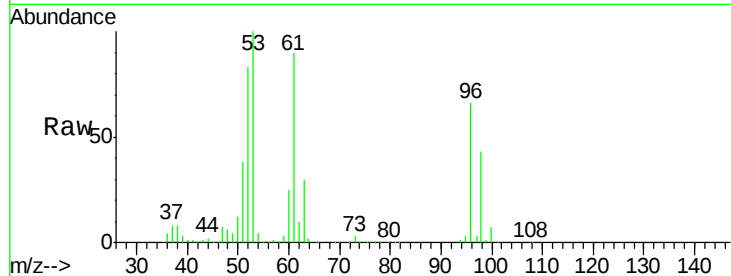
ClientSampleId :

VX0627WBS02

Tot Ion:	96	Resp:	57139
Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	65.7	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.41 ug/l

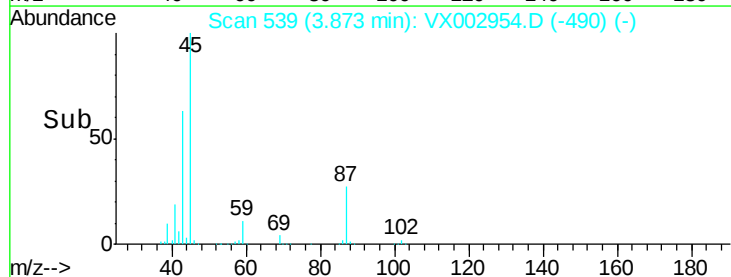
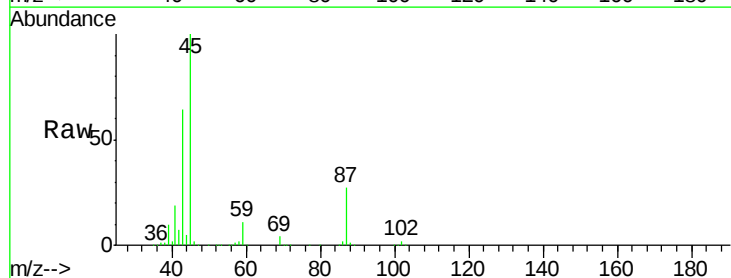
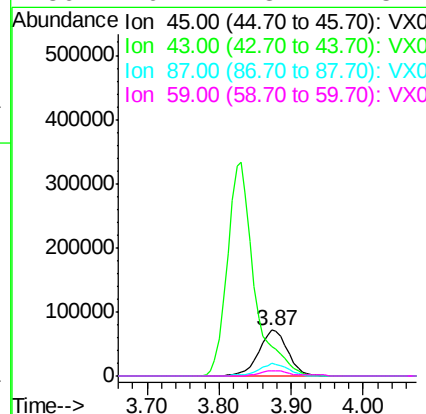
RT: 3.87 min Scan# 539

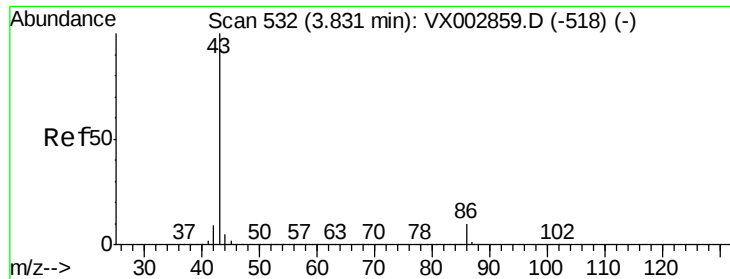
Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	45	Resp:	200844
Ion	Ratio	Lower	Upper
45	100		
43	63.2	46.8	70.2
87	27.1	20.2	30.4
59	10.7	8.7	13.1





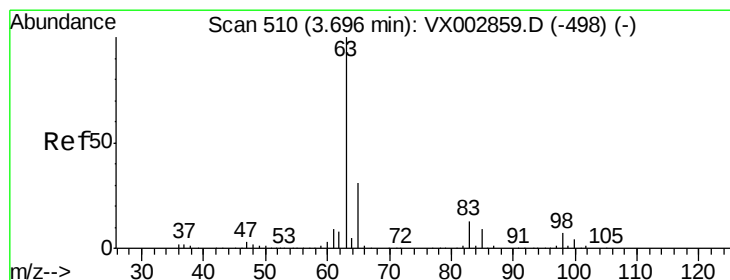
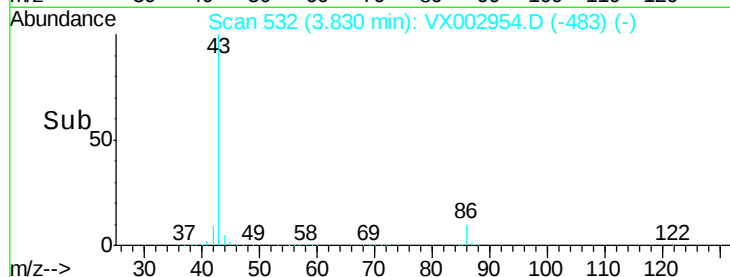
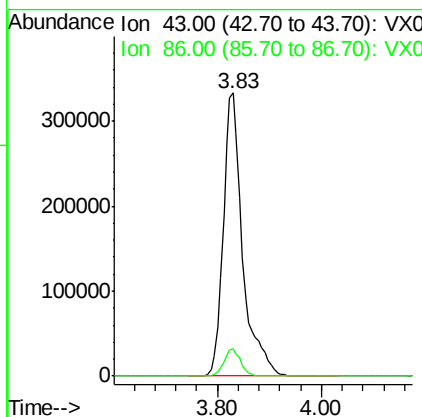
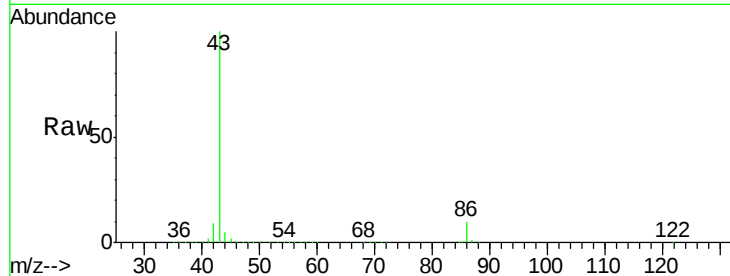
#23
 Vinyl Acetate
 Concen: 104.23 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	43	Resp	868712
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.4	11.0

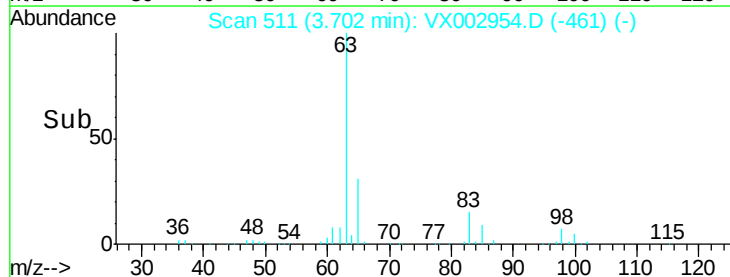
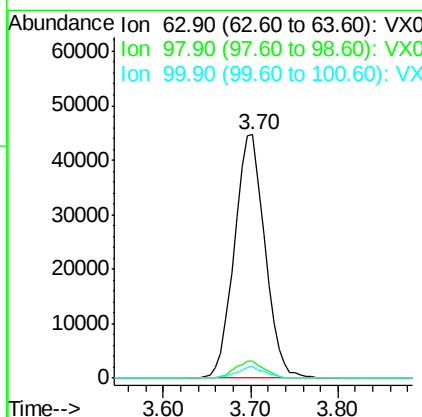
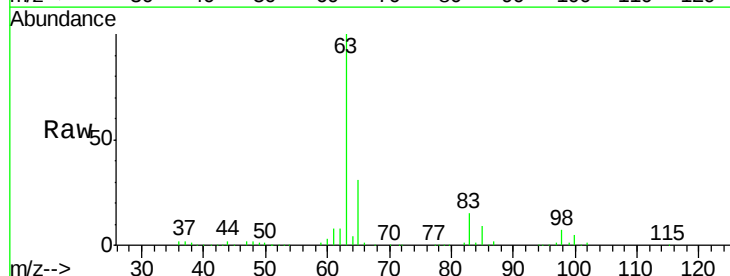
Manual Integrations
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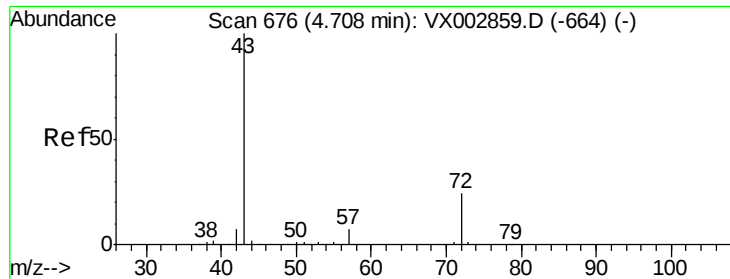
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 6/28/2018 4:47:57 PM



#24
 1,1-Dichloroethane
 Concen: 20.31 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	63	Resp	108643
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.4	10.2
100	4.7	2.0	6.0





#25

2-Butanone

Concen: 101.24 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 43 Resp: 227807

Ion Ratio Lower Upper

43 100

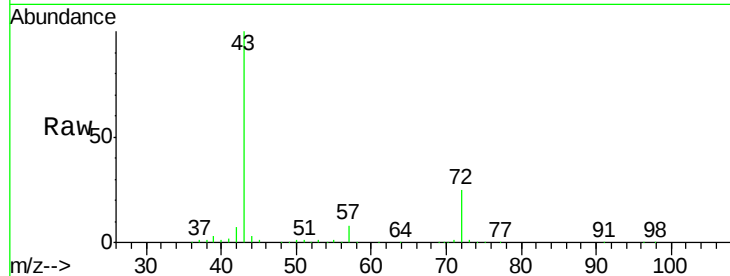
72 25.0 18.5 27.7

Manual Integrations

APPROVED

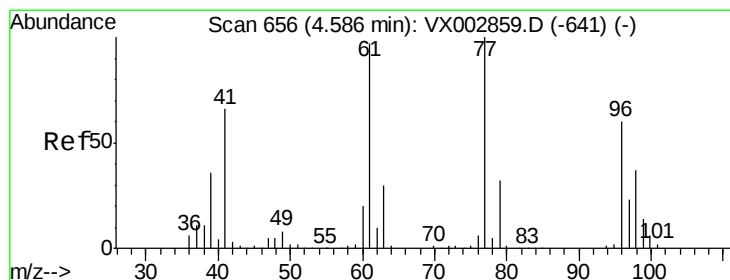
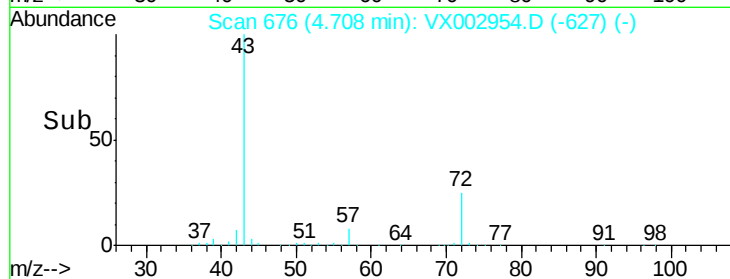
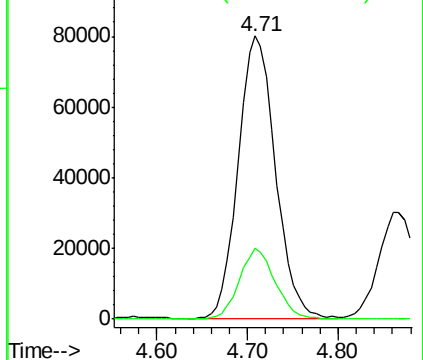
MMDadoda

6/28/2018 4:47:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.49 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002954.D

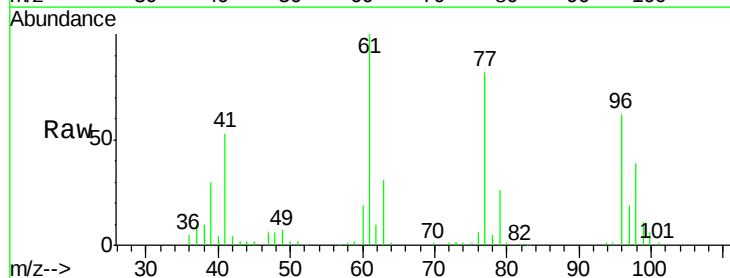
Acq: 28 Jun 2018 00:00

Tgt Ion: 77 Resp: 67393

Ion Ratio Lower Upper

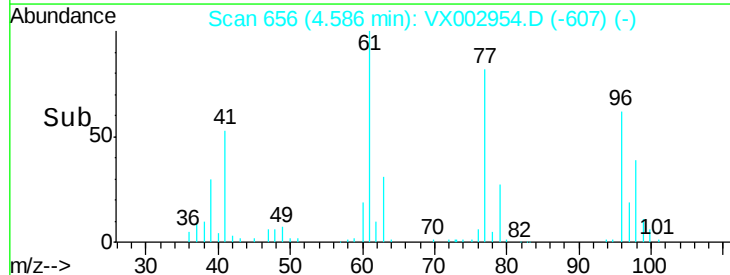
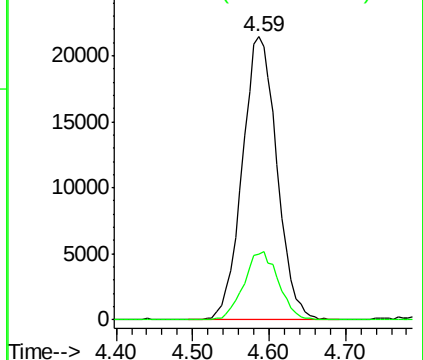
77 100

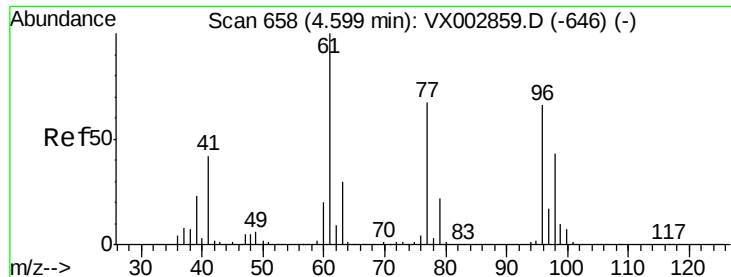
97 24.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 19.97 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

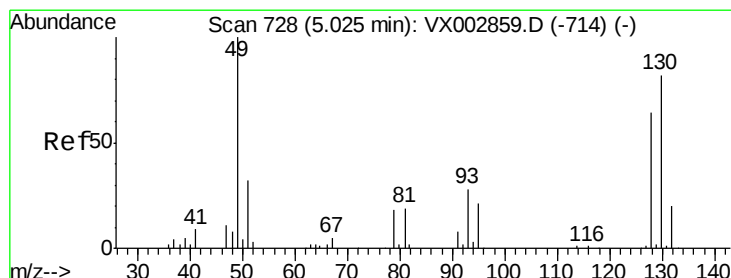
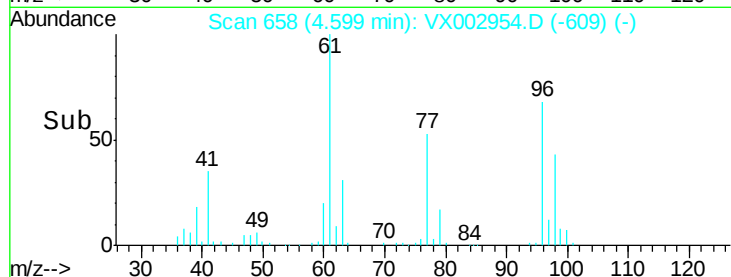
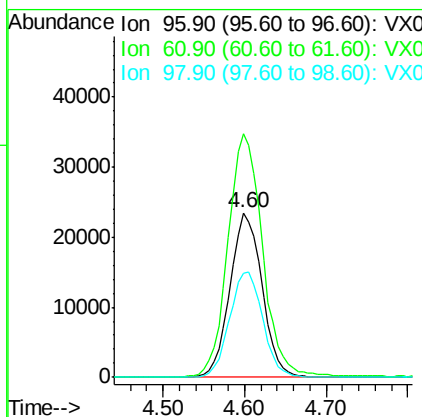
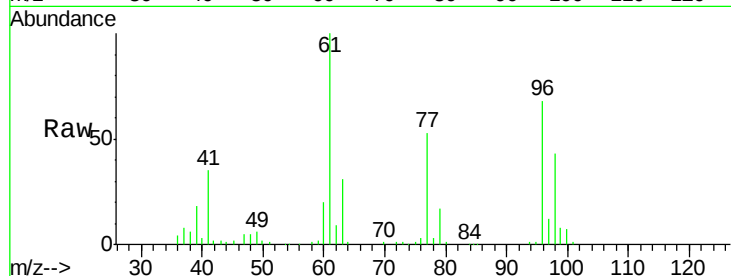
ClientSampleId :

VX0627WBS02

Tot Ion:	96	Resp:	63717
Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	330.2
98	66.0	0.0	130.2

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#28

Bromochloromethane

Concen: 20.01 ug/l

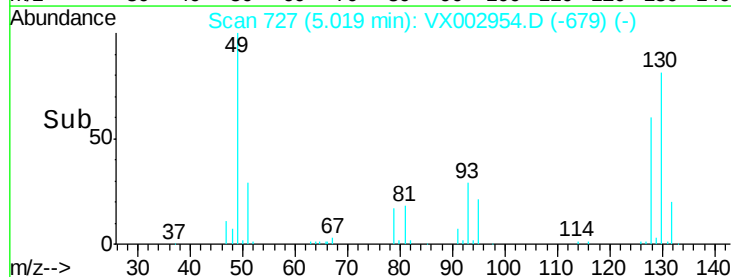
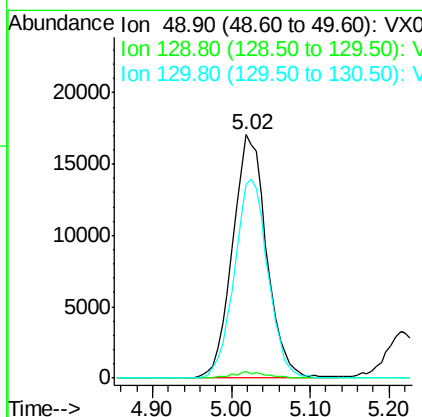
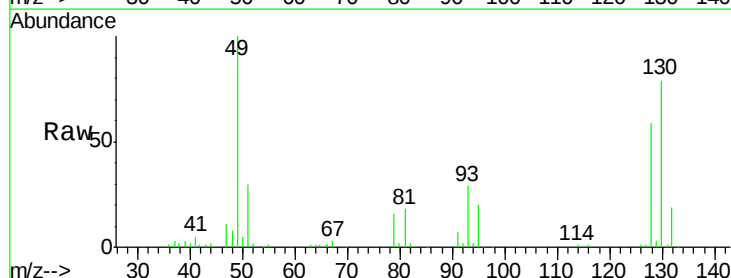
RT: 5.02 min Scan# 727

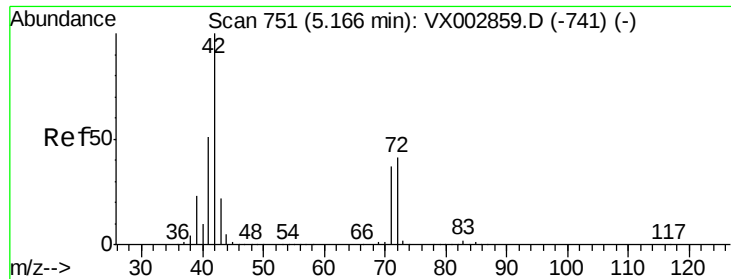
Delta R.T. -0.01 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	49	Resp:	51241
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	80.4	61.2	91.8





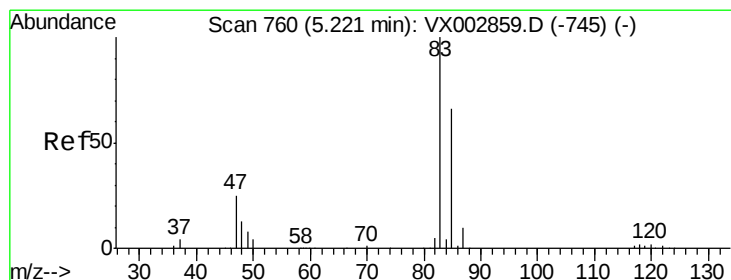
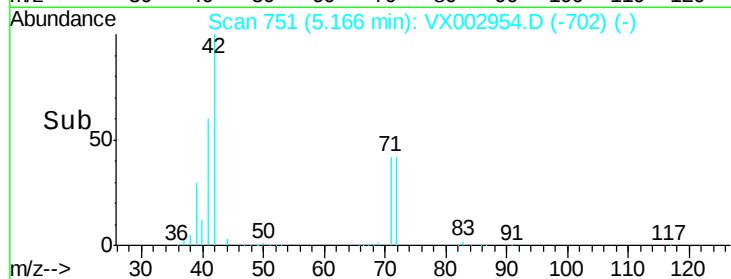
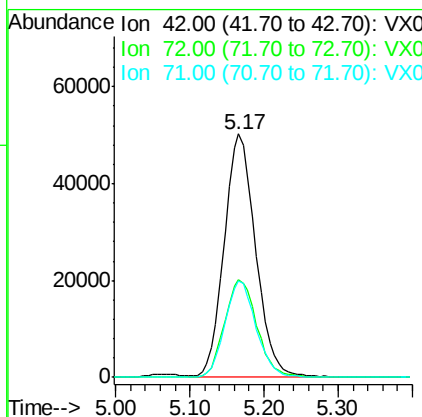
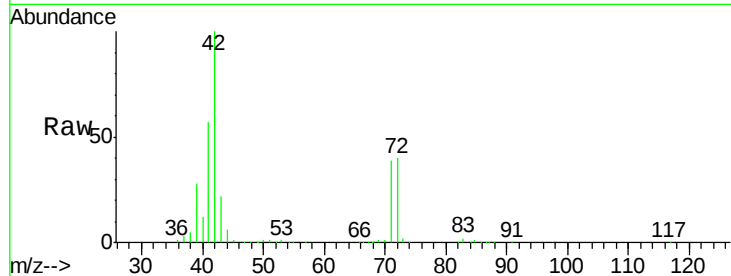
#29
Tetrahydrofuran
Concen: 102.29 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	39.4	30.1	45.1

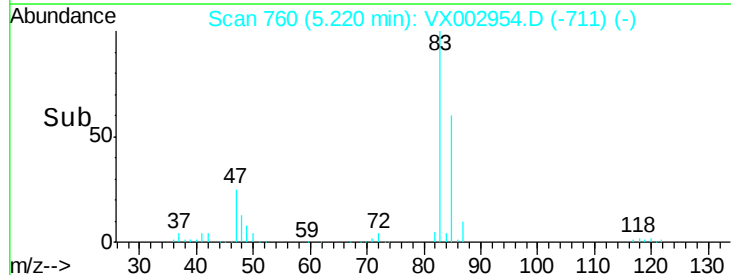
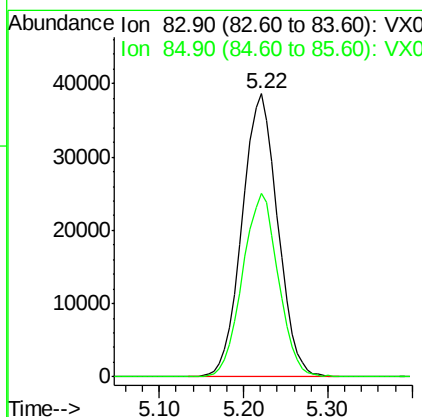
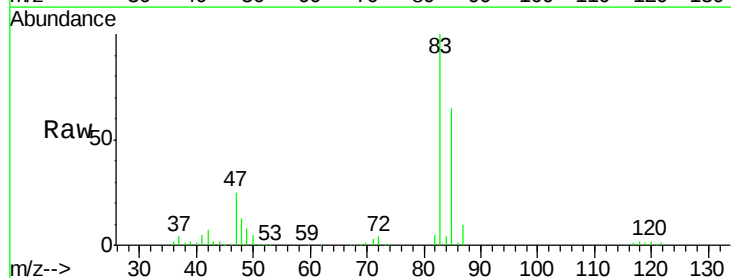
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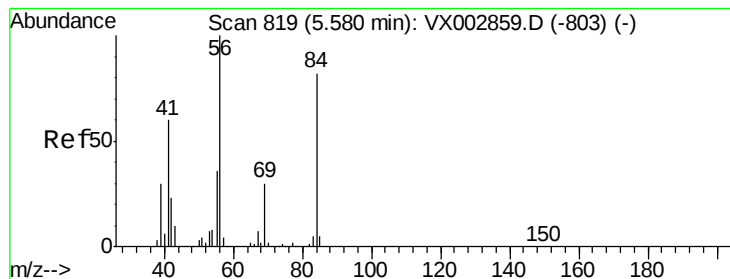
MMDadoda
6/28/2018 4:47:57 PM



#30
Chloroform
Concen: 20.15 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.4	75.6





#31

Cyclohexane

Concen: 20.27 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

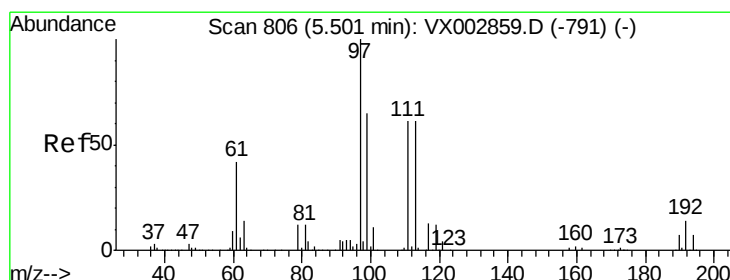
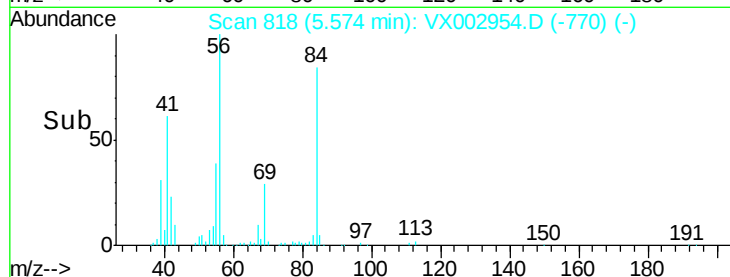
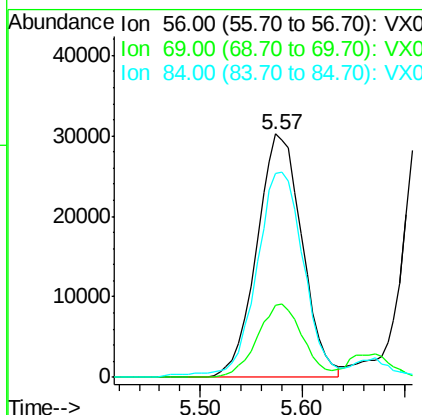
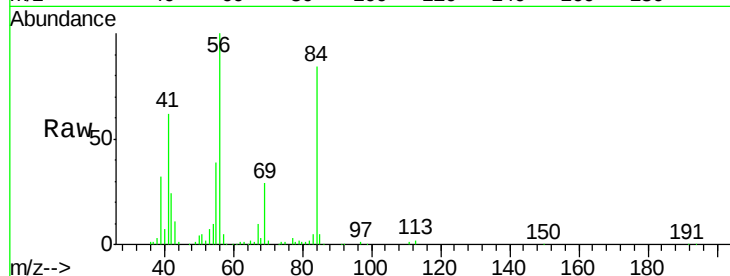
ClientSampleId :

VX0627WBS02

Tot Ion:	56	Resp:	93076
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	82.4	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 20.11 ug/l

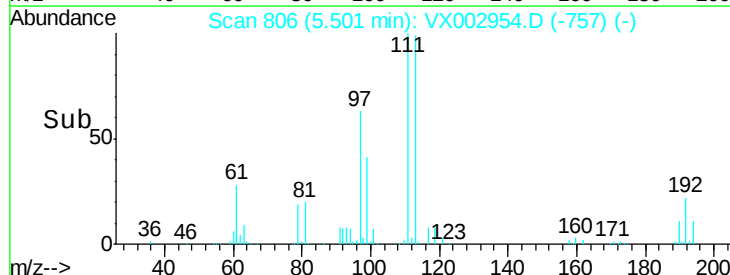
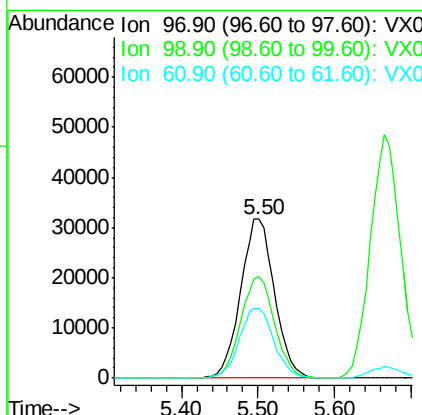
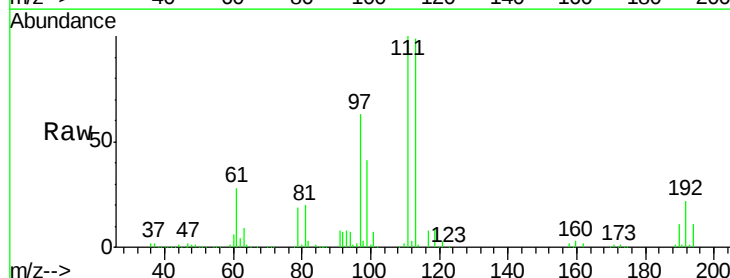
RT: 5.50 min Scan# 806

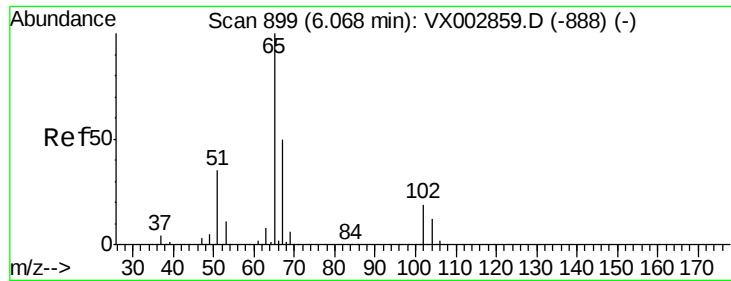
Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	97	Resp:	97163
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	44.8	36.4	54.6





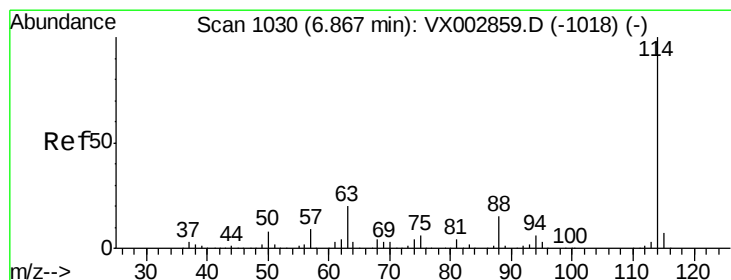
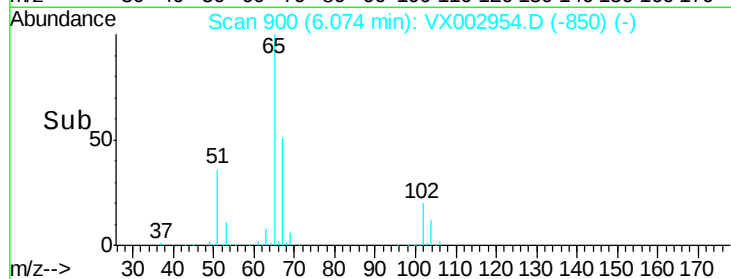
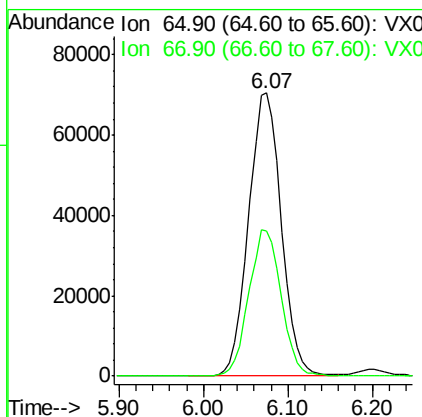
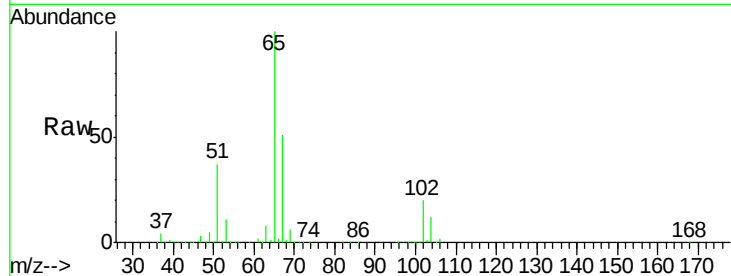
#33
 1,2-Dichloroethane-d4
 Concen: 50.76 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185846		
67	51.2	0.0	102.6	

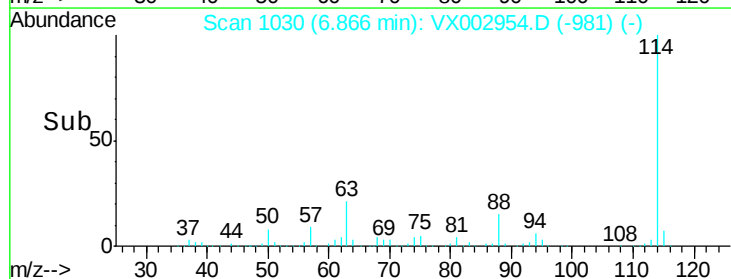
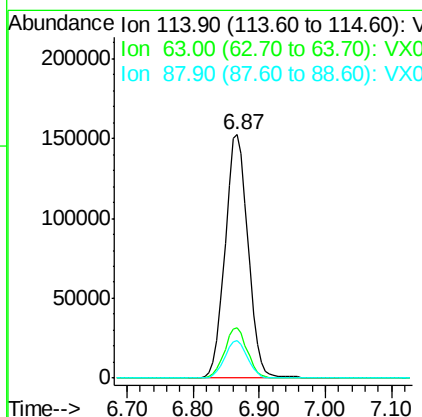
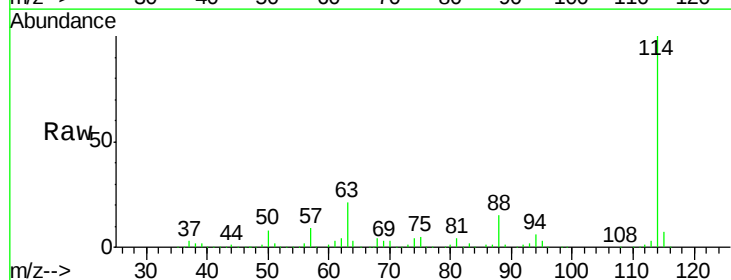
Manual Integrations
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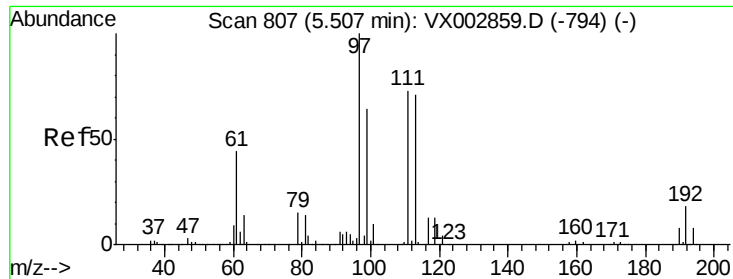
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	367652		
63	20.7	0.0	41.4	
88	15.5	0.0	30.0	





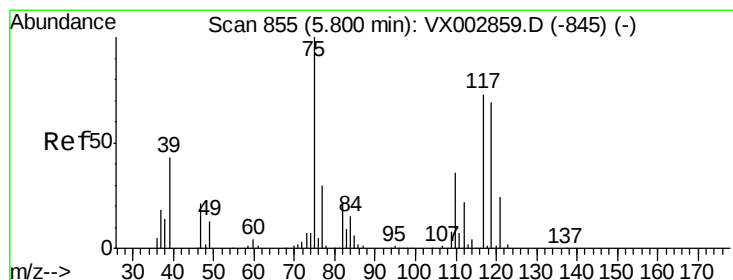
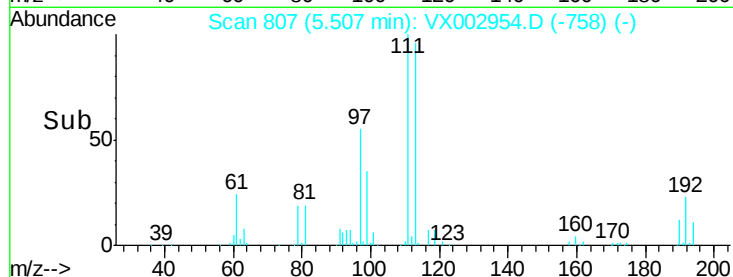
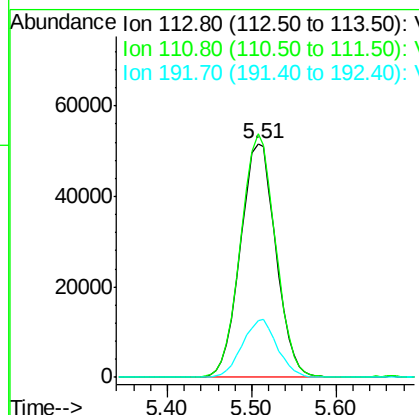
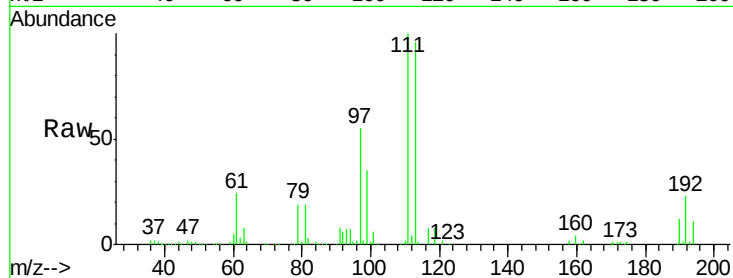
#35
Dibromofluoromethane
Concen: 50.60 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147325		
111	102.2	81.4	122.0	
192	24.5	19.1	28.7	

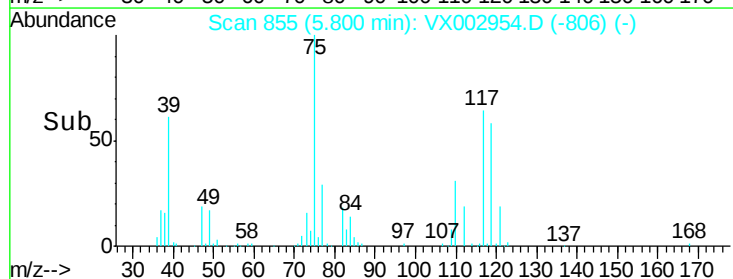
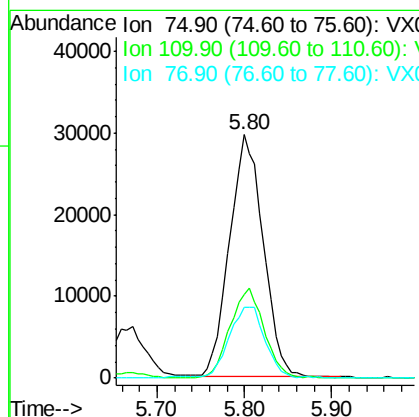
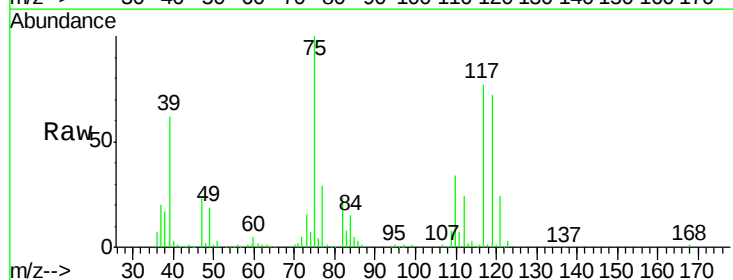
Manual Integrations
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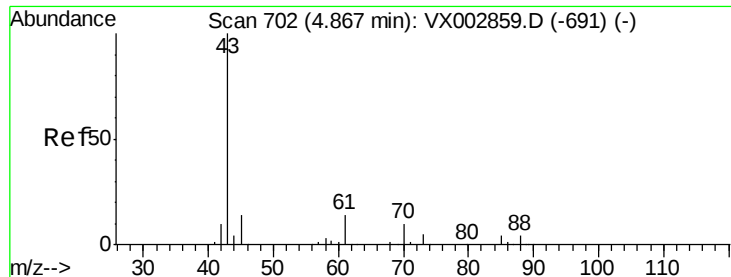
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.73 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79547		
110	37.9	18.1	54.4	
77	30.6	24.3	36.5	





#37

Ethyl Acetate

Concen: 20.50 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

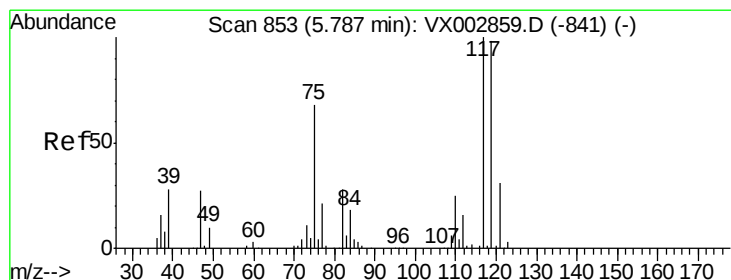
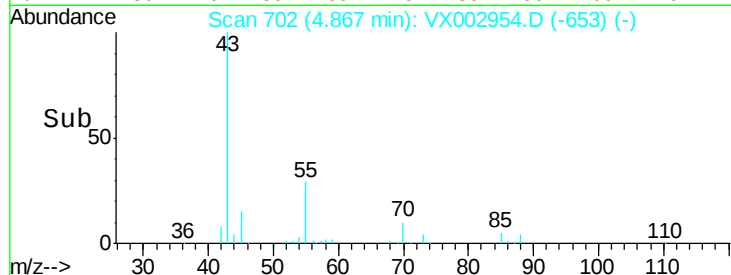
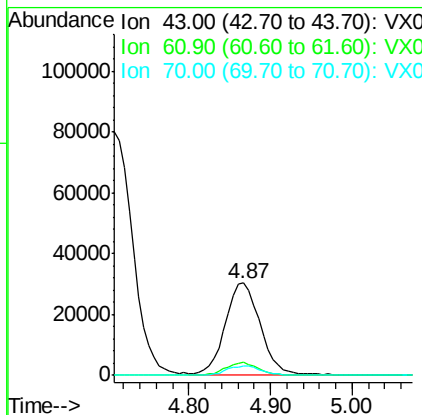
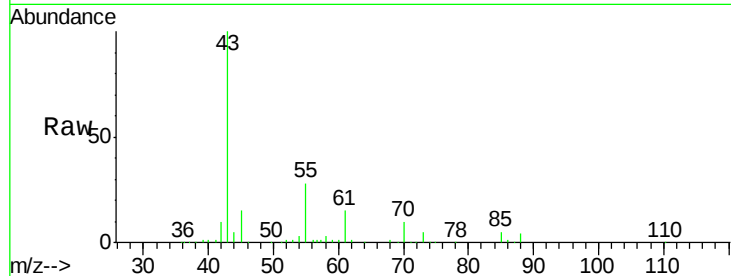
ClientSampleId :

VX0627WBS02

Tot Ion:	43	Resp:	88972
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	10.2	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.69 ug/l

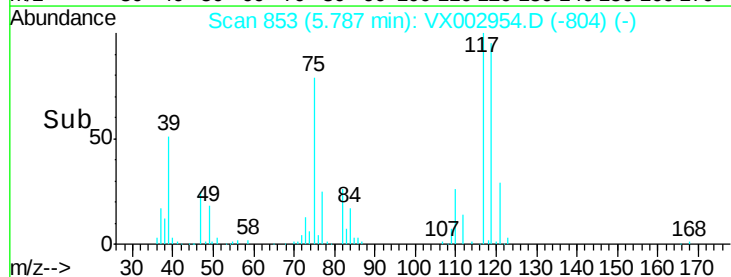
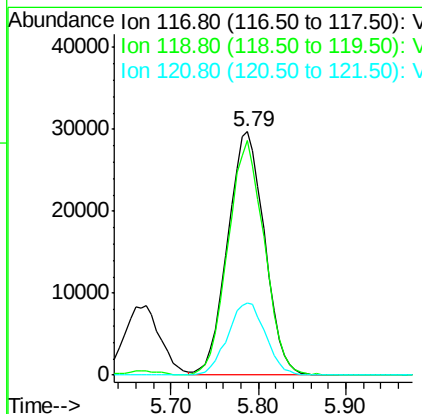
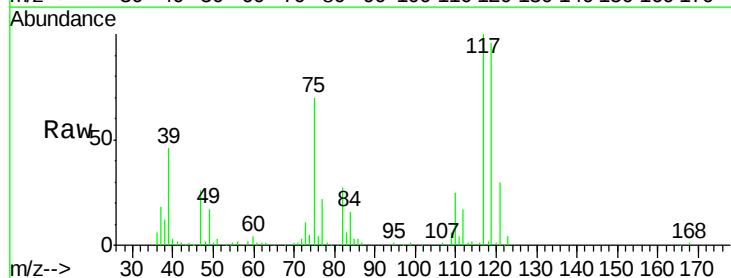
RT: 5.79 min Scan# 853

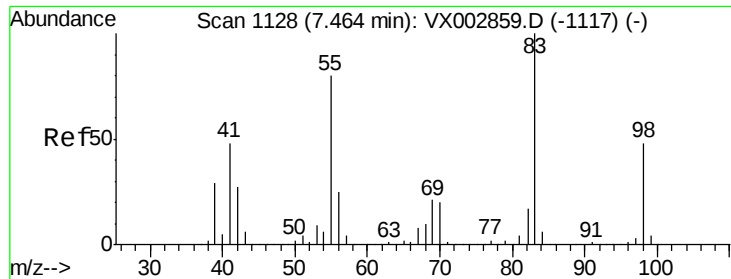
Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	117	Resp:	87119
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	29.7	24.4	36.6





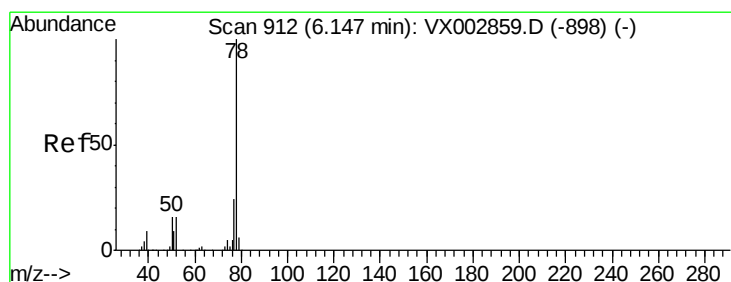
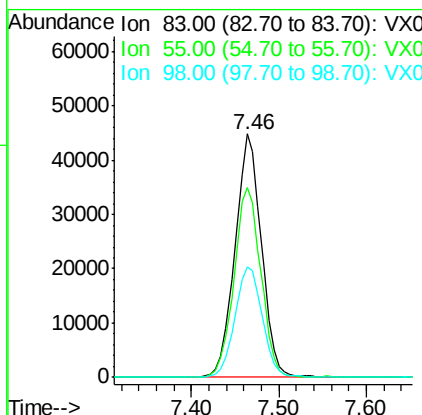
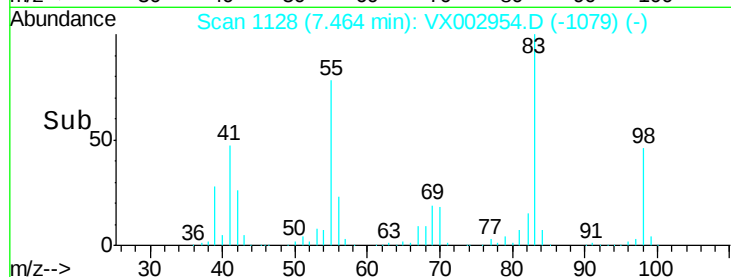
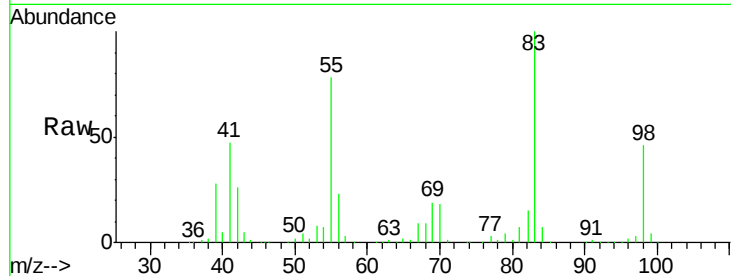
#39
Methvlcvclohexane
Concen: 20.02 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	65.4	98.0
98	45.6	37.4	56.0

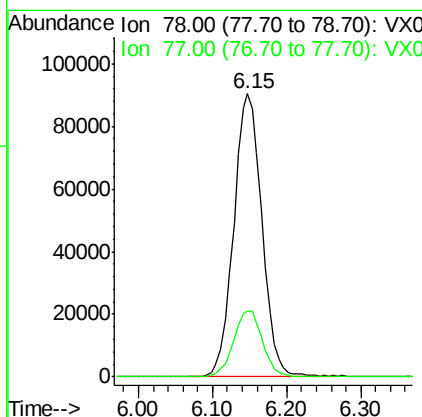
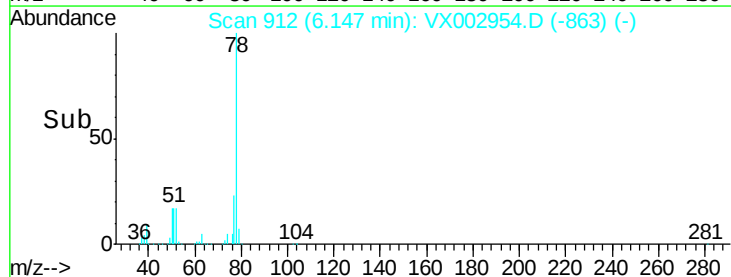
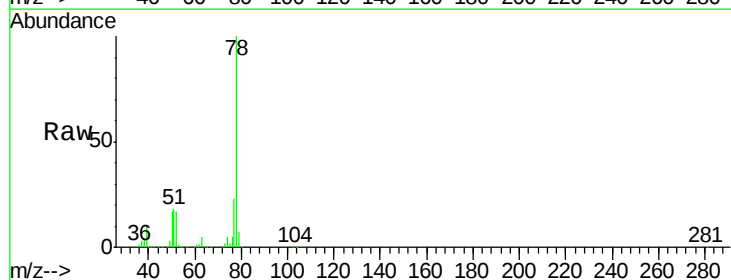
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#40
Benzene
Concen: 20.50 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





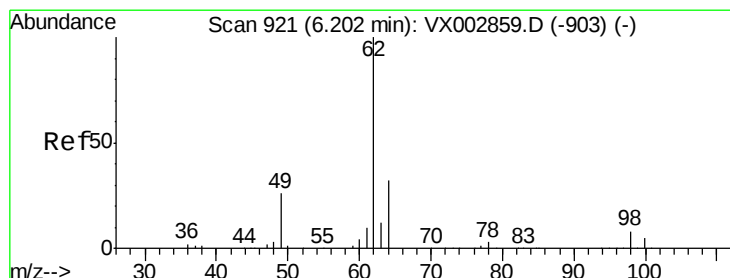
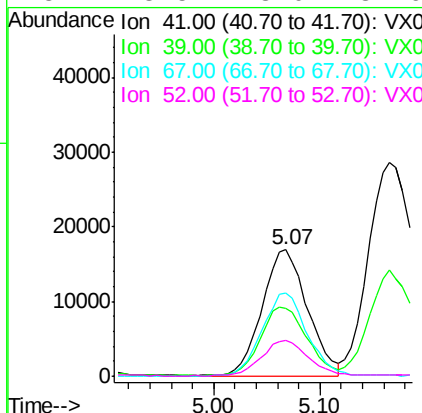
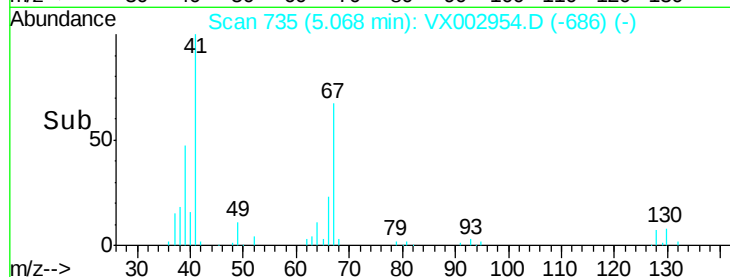
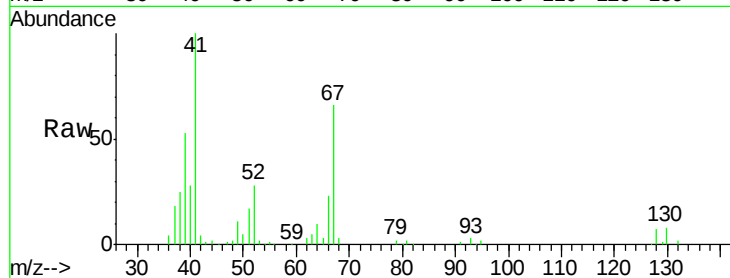
#41
Methacrylonitrile
Concen: 20.03 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	45.8	68.6	
67	65.7	51.3	76.9	
52	28.5	23.0	34.6	

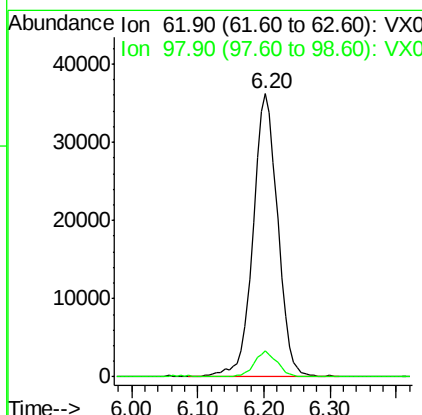
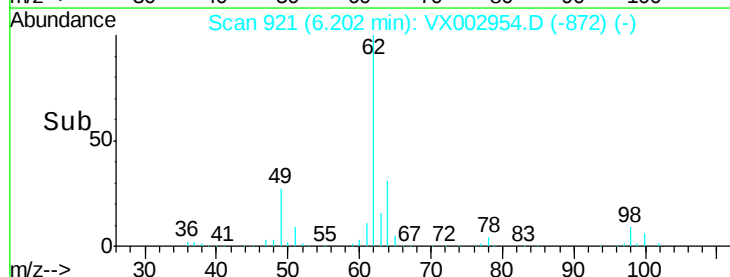
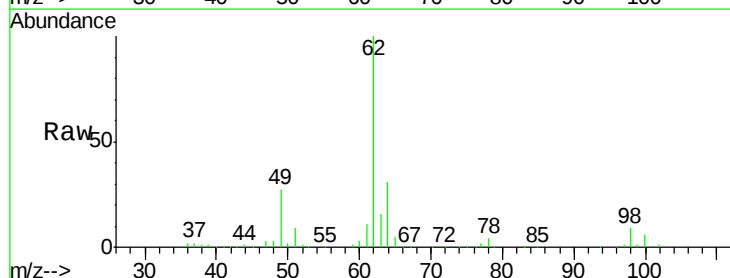
Manual Integrations
APPROVED

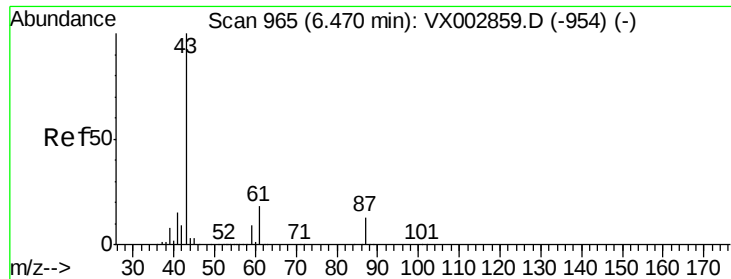
MMDadoda
6/28/2018 4:47:57 PM



#42
1,2-Dichloroethane
Concen: 19.77 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.6	





#43

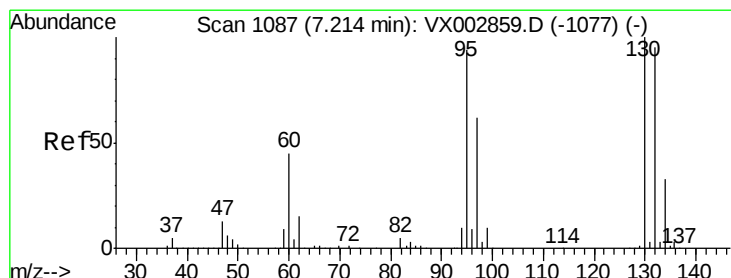
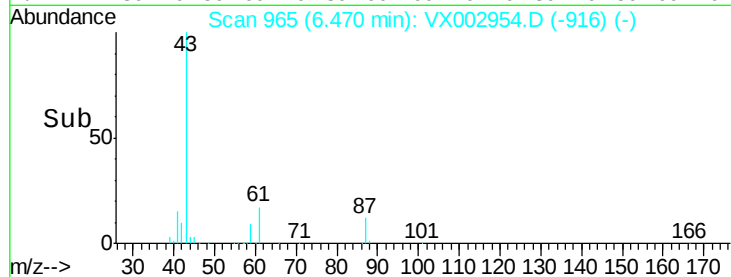
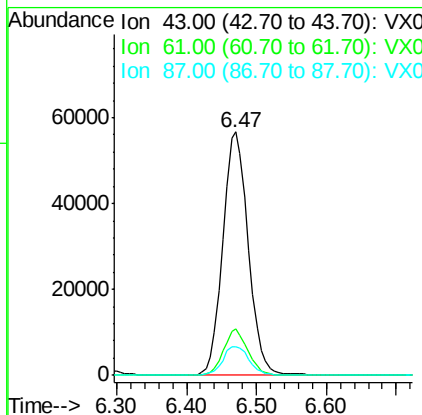
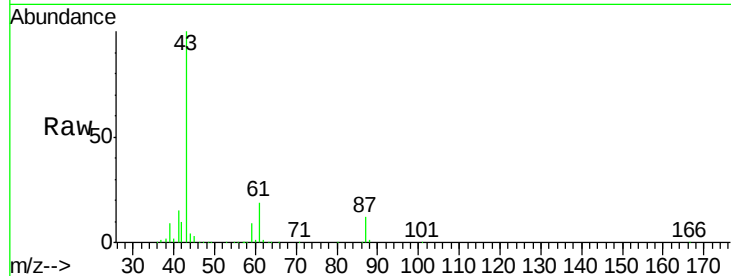
Isopropyl Acetate
 Concen: 19.54 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.4	21.6
87	12.3	9.5	14.3

Manual Integrations
 APPROVED

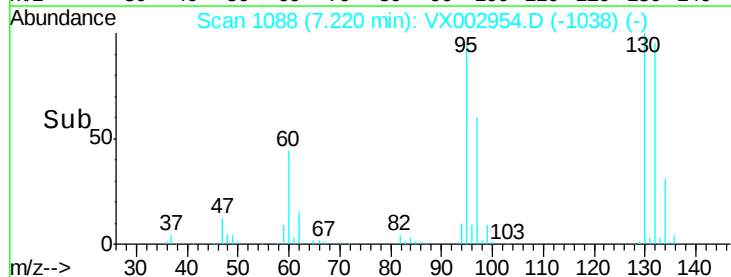
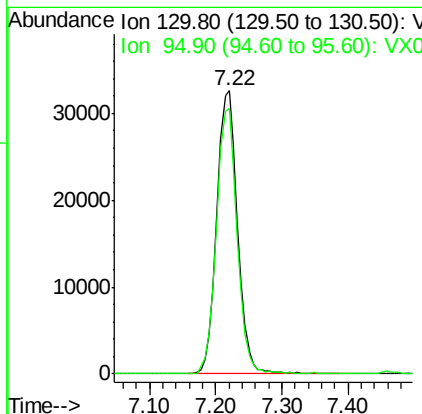
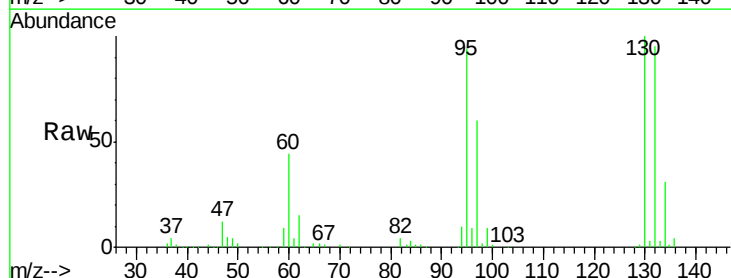
MMDadoda
 6/28/2018 4:47:57 PM



#44

Trichloroethene
 Concen: 20.33 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.93 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 63 Resp: 61945

Ion Ratio Lower Upper

63 100

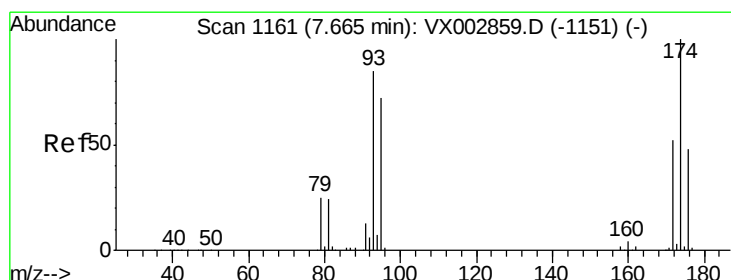
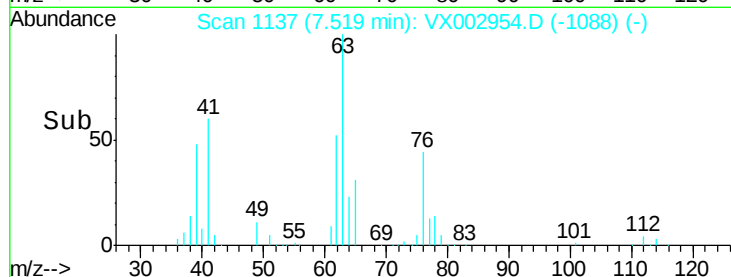
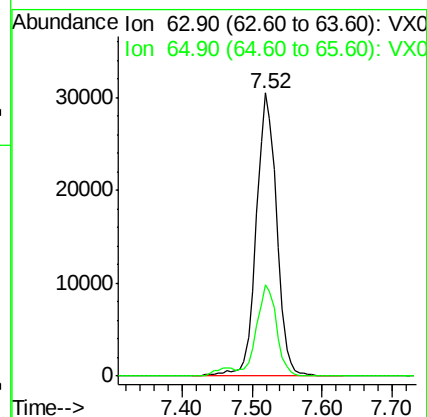
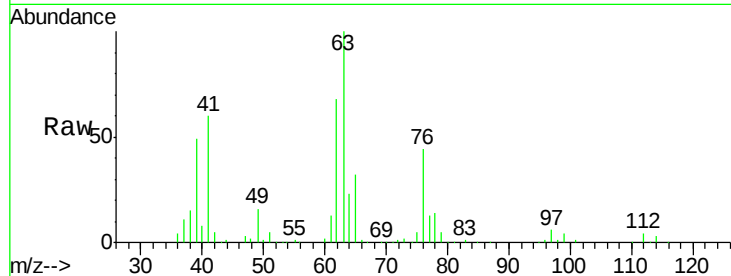
65 32.4 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:57 PM



#46

Dibromomethane

Concen: 19.79 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

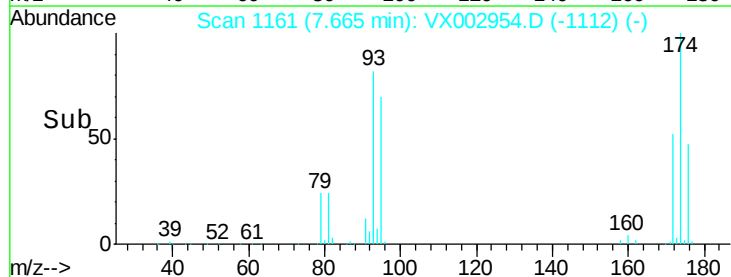
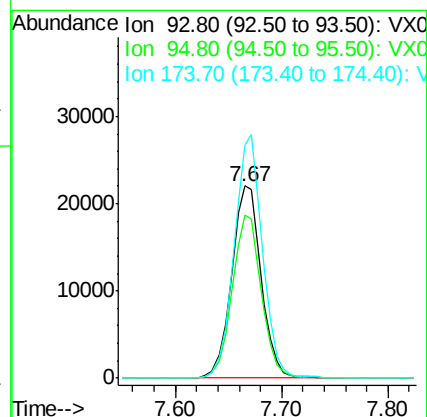
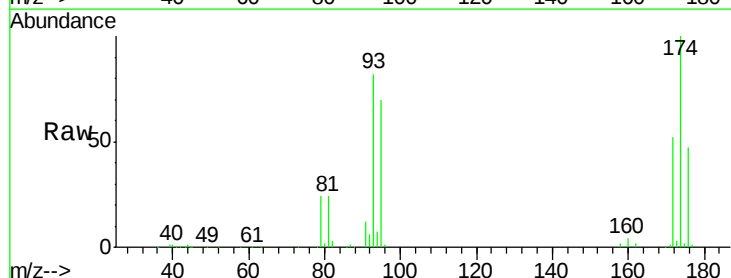
Tgt Ion: 93 Resp: 42669

Ion Ratio Lower Upper

93 100

95 83.6 65.9 98.9

174 121.4 92.4 138.6





#47

Bromodichloromethane

Concen: 19.39 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

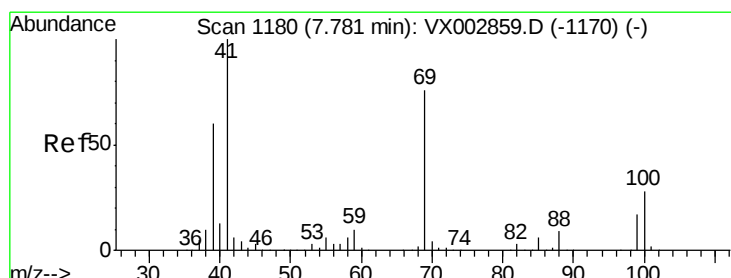
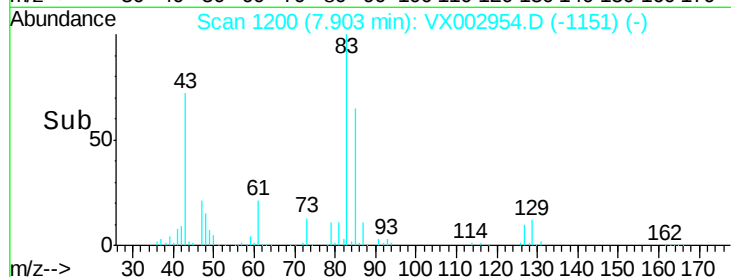
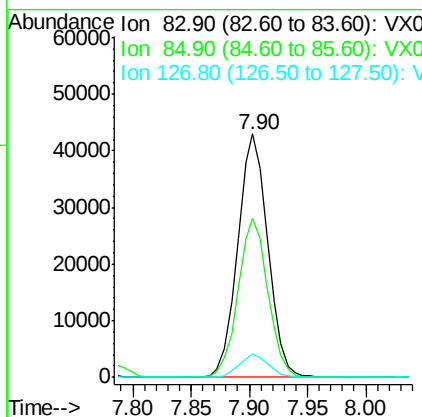
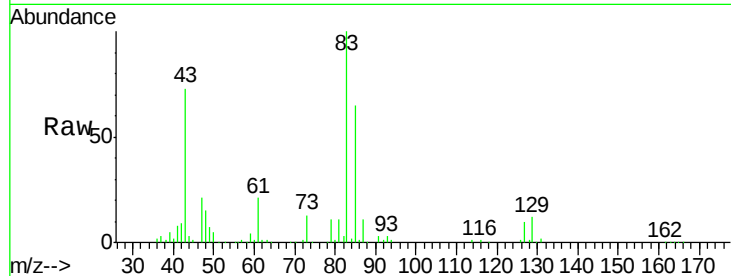
ClientSampleId :

VX0627WBS02

Tot Ion:	83	Resp:	77298
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.3	75.5
127	9.6	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:57 PM



#48

Methyl methacrylate

Concen: 19.39 ug/l

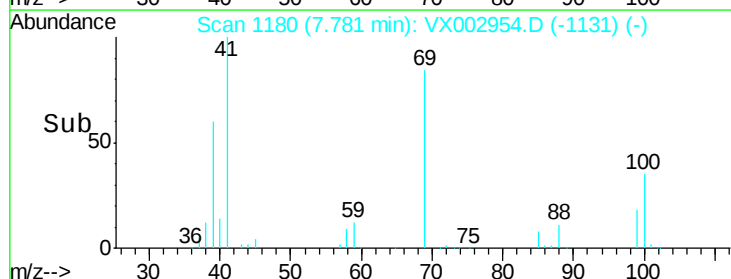
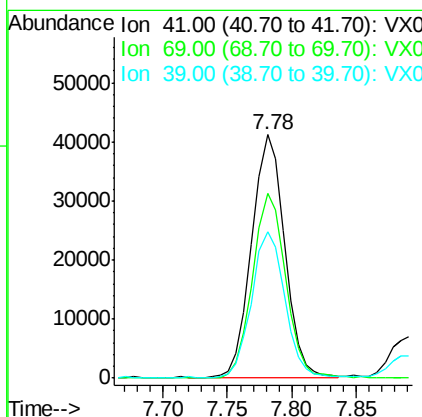
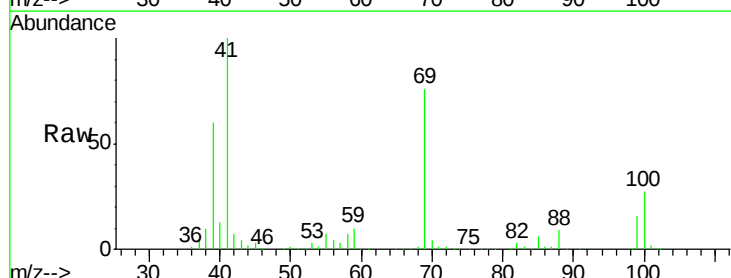
RT: 7.78 min Scan# 1180

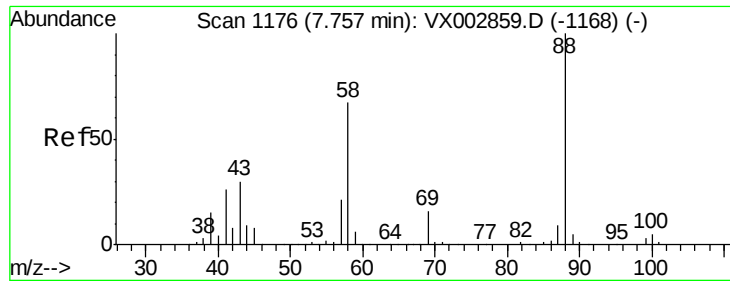
Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	41	Resp:	72751
Ion	Ratio	Lower	Upper
41	100		
69	76.9	59.1	88.7
39	60.4	48.9	73.3





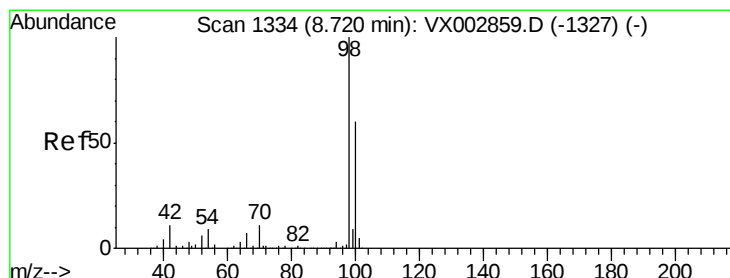
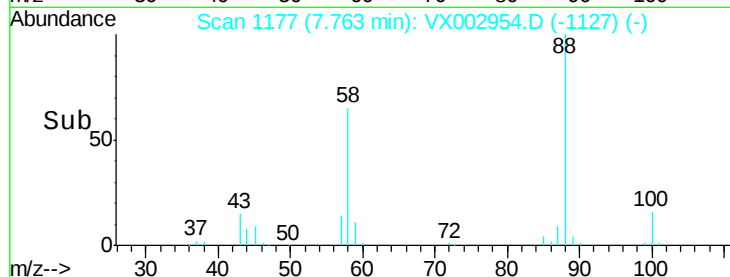
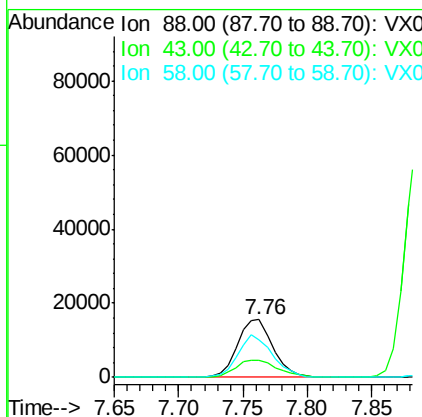
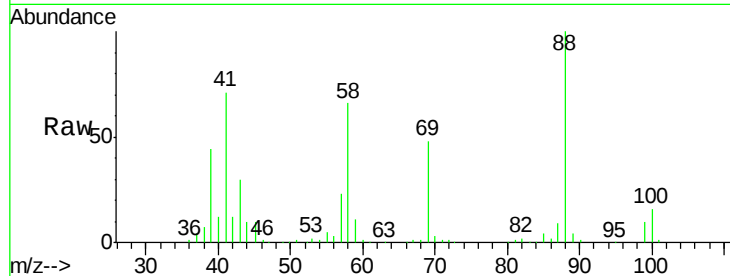
#49
1,4-Dioxane
Concen: 410.75 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	29.8	44.6
58	70.9	57.1	85.7

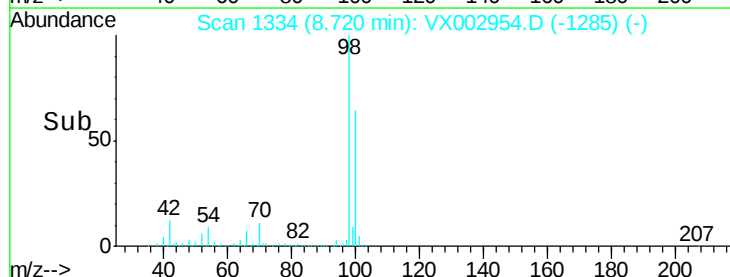
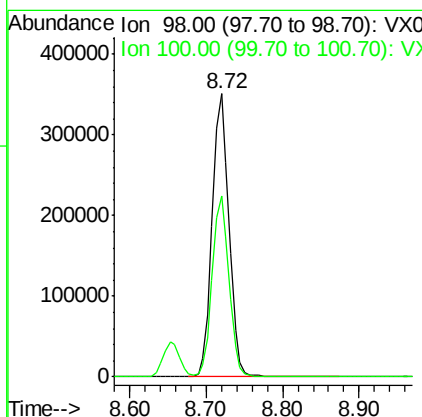
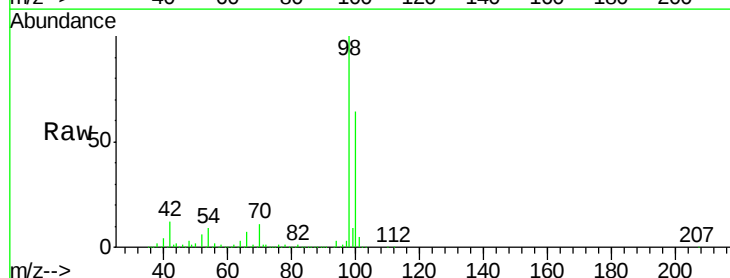
Manual Integrations
APPROVED

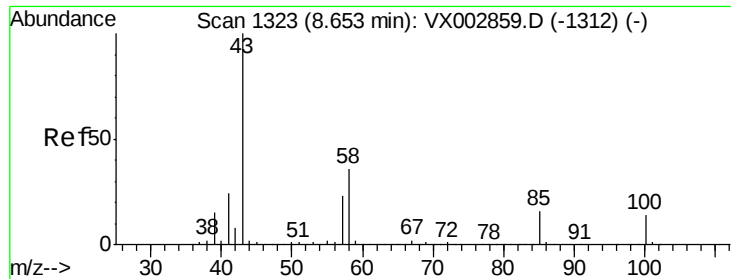
MMDadoda
6/28/2018 4:47:57 PM



#50
Toluene-d8
Concen: 50.37 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 101.27 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 43 Resp: 461294

Ion Ratio Lower Upper

43 100

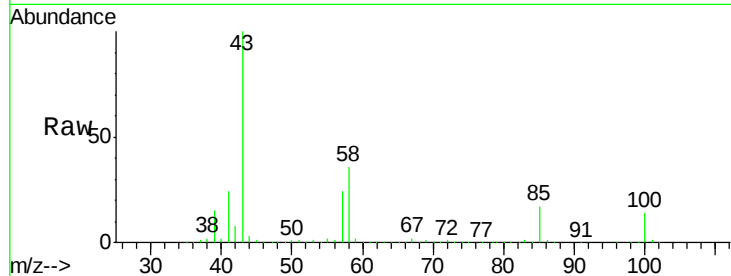
58 36.4 28.6 42.8

Manual Integrations

APPROVED

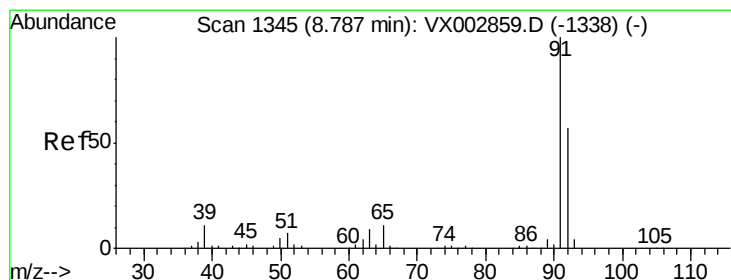
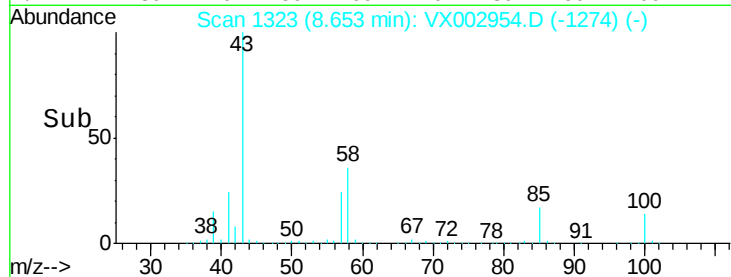
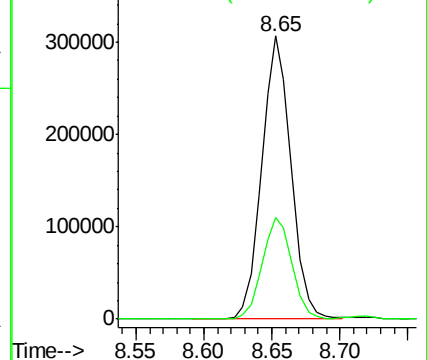
MMDadoda

6/28/2018 4:47:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.49 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002954.D

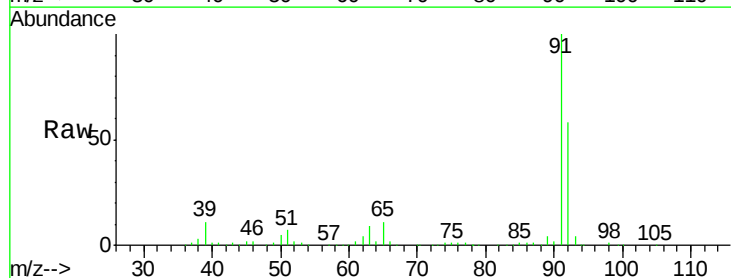
Acq: 28 Jun 2018 00:00

Tgt Ion: 92 Resp: 153787

Ion Ratio Lower Upper

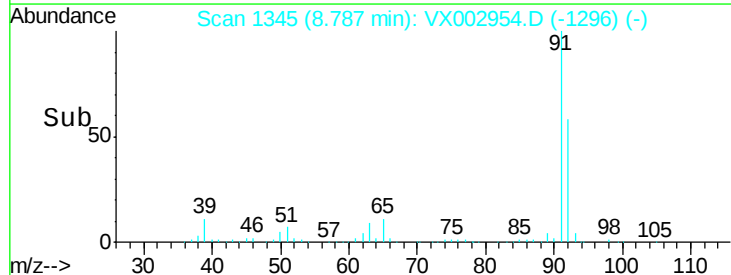
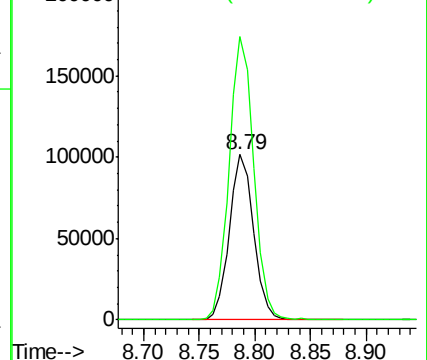
92 100

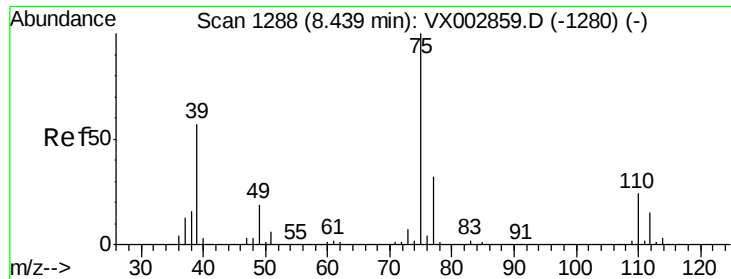
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





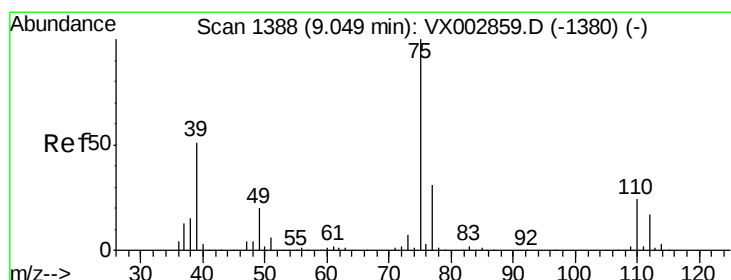
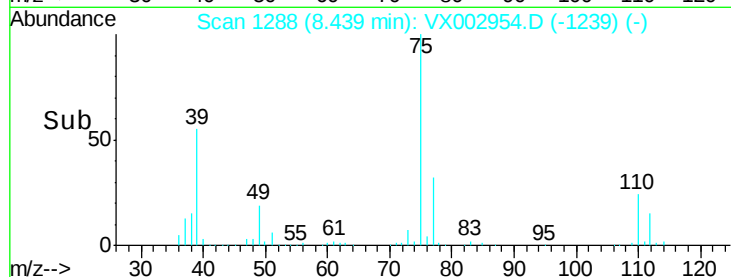
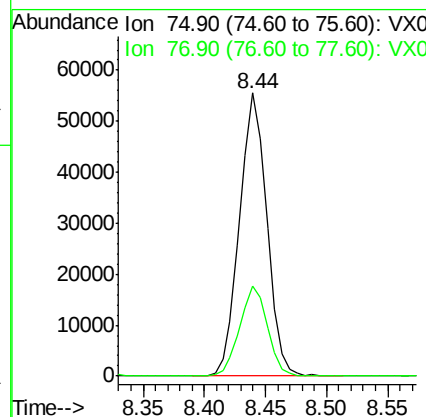
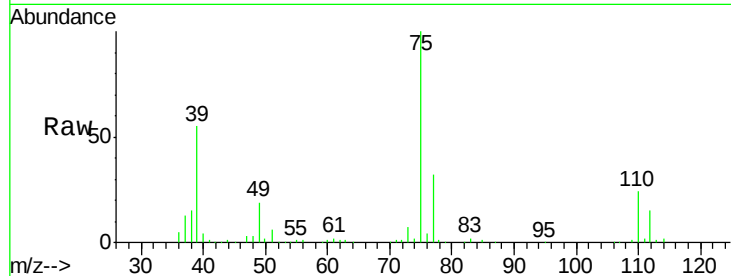
#53
t-1,3-Dichloropropene
Concen: 19.02 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion: 75 Resp: 85864
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

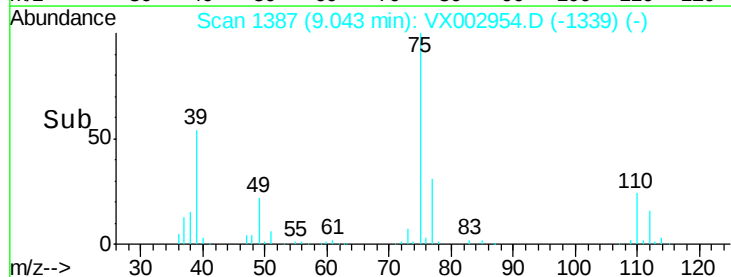
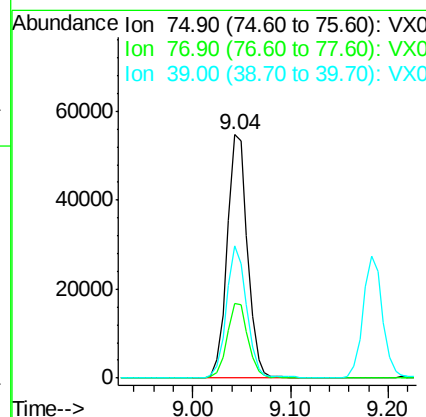
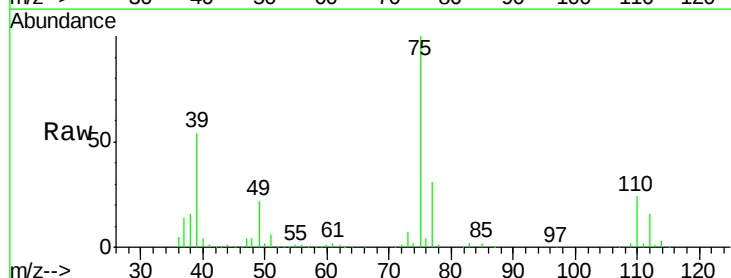
Manual Integrations
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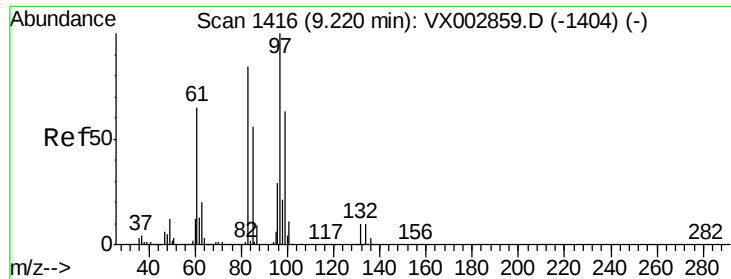
MMDadoda
6/28/2018 4:47:57 PM



#54
cis-1,3-Dichloropropene
Concen: 18.17 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion: 75 Resp: 78956
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 54.1 42.4 63.6





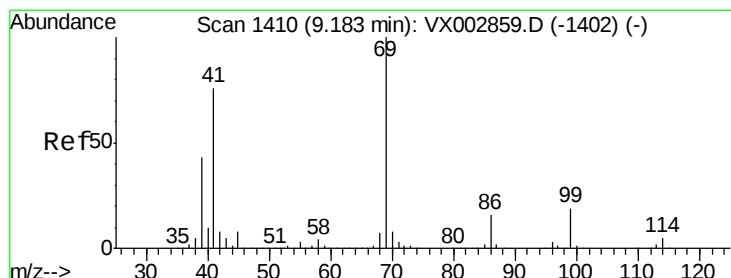
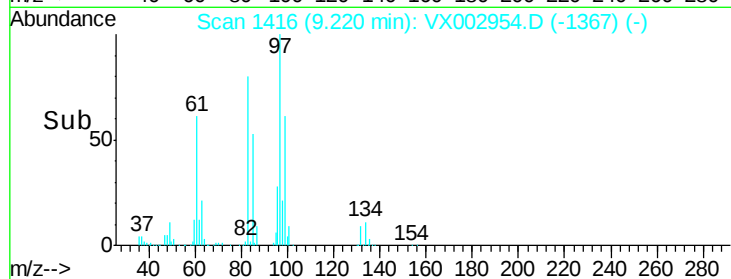
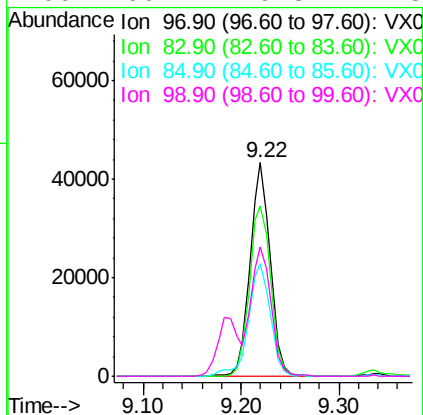
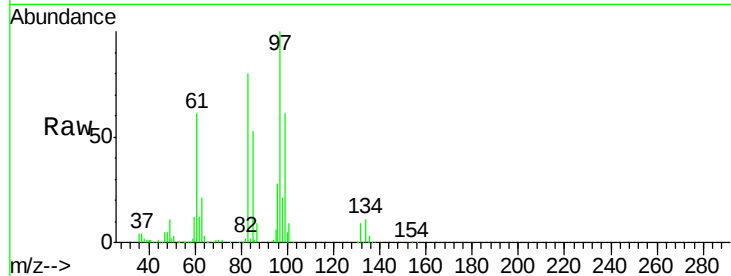
#55
 1,1,2-Trichloroethane
 Concen: 20.07 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	97	Resp	61877
Ion	Ratio	Lower	Upper
97	100		
83	79.5	70.2	105.2
85	52.9	44.9	67.3
99	60.7	49.8	74.8

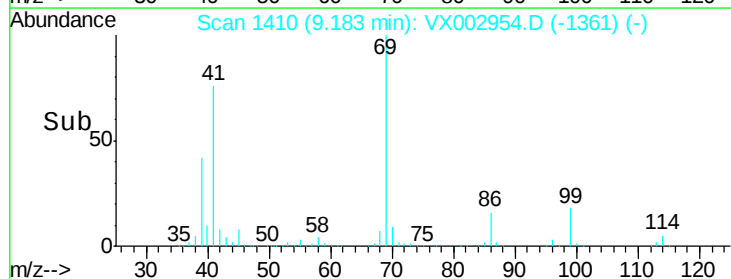
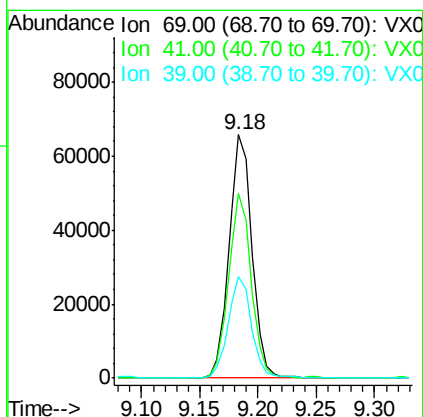
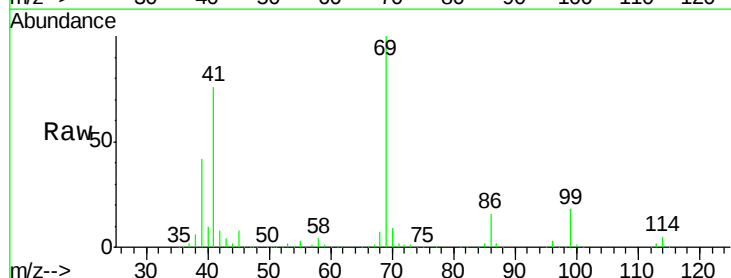
Manual Integrations
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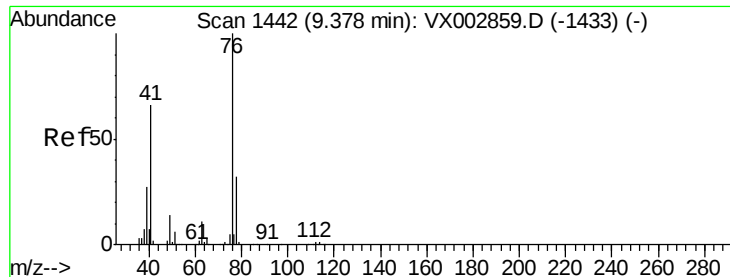
MMDadoda
 6/28/2018 4:47:57 PM



#56
 Ethyl methacrylate
 Concen: 20.04 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	69	Resp	90306
Ion	Ratio	Lower	Upper
69	100		
41	74.2	60.3	90.5
39	42.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 20.00 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 76 Resp: 101320

Ion Ratio Lower Upper

76 100

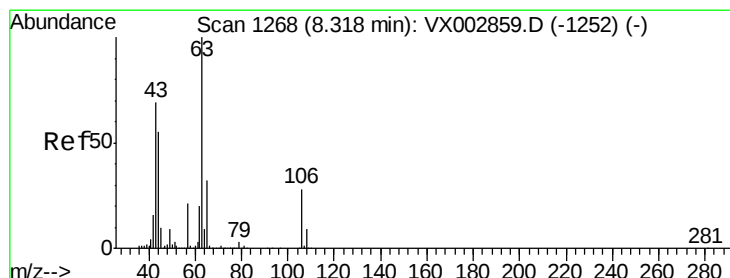
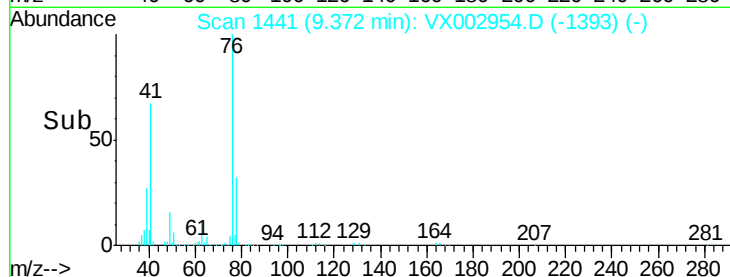
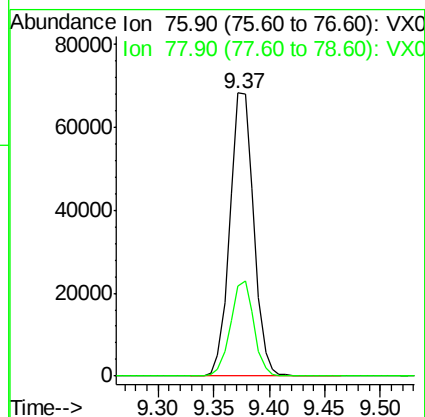
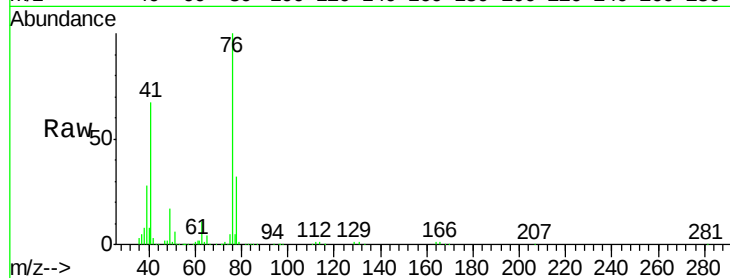
78 32.5 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

6/28/2018 4:47:57 PM



#58

2-Chloroethyl Vinyl ether

Concen: 102.04 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002954.D

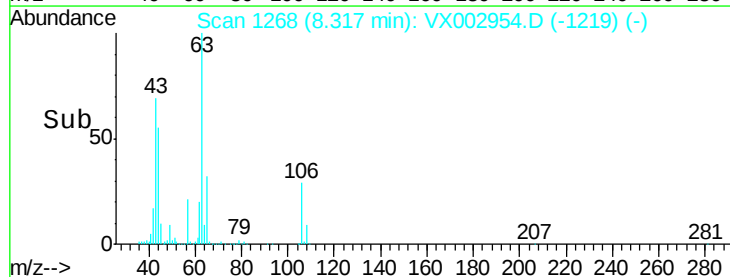
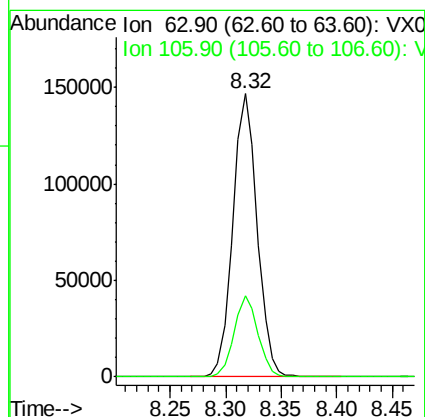
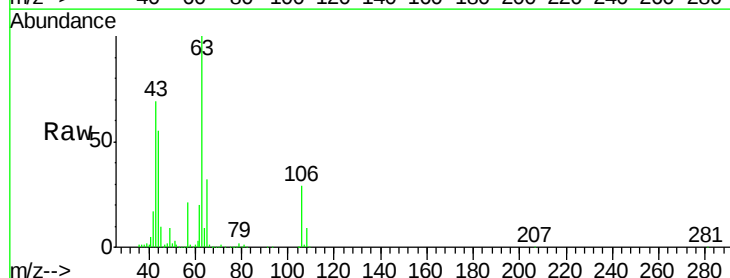
Acq: 28 Jun 2018 00:00

Tgt Ion: 63 Resp: 221864

Ion Ratio Lower Upper

63 100

106 28.2 21.8 32.8





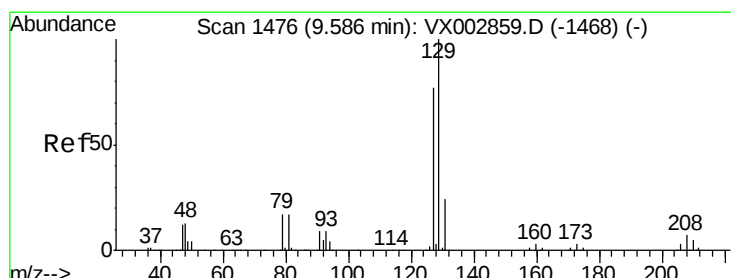
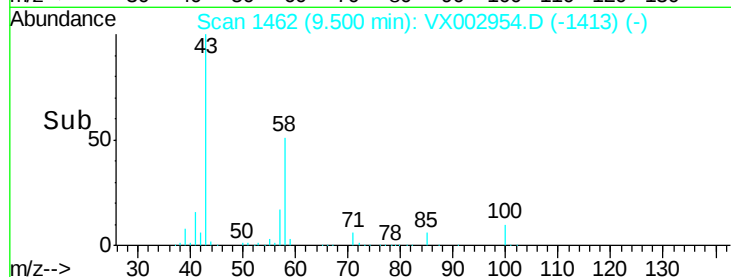
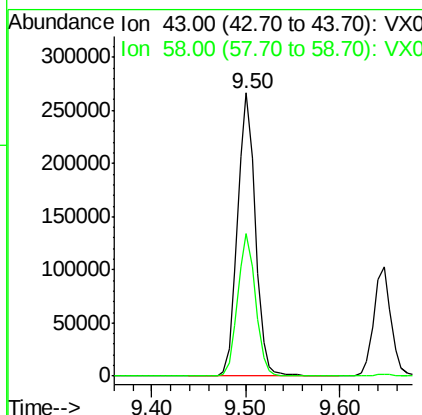
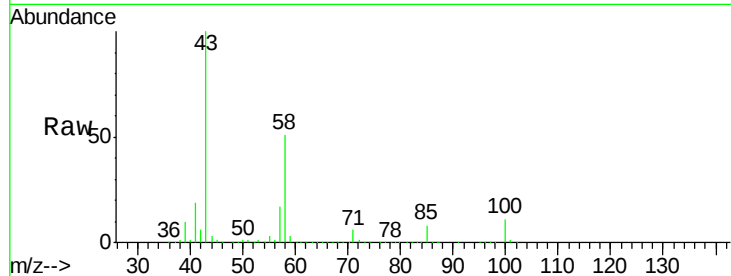
#59
2-Hexanone
Concen: 101.21 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion: 43 Resp: 350361
Ion Ratio Lower Upper
43 100
58 50.7 24.6 73.6

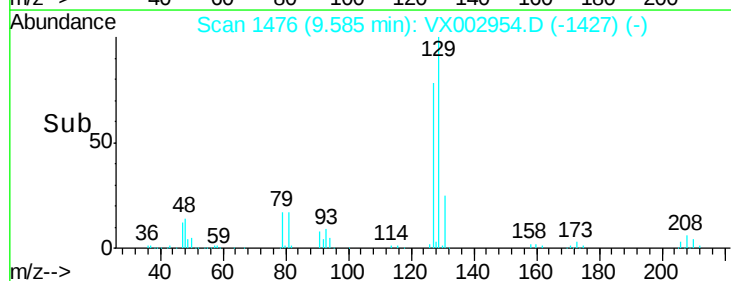
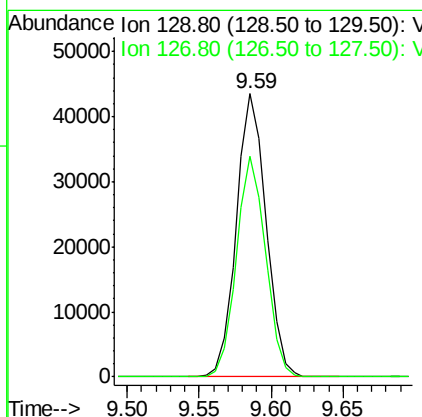
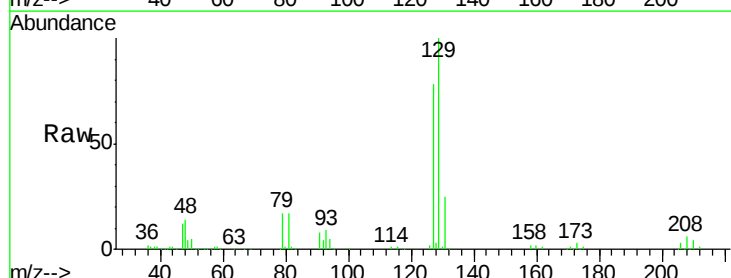
Manual Integrations
APPROVED

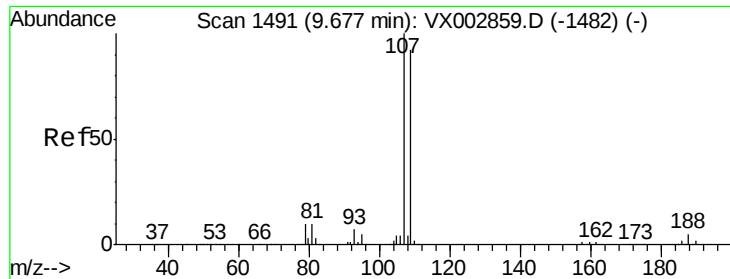
MMDadoda
6/28/2018 4:47:57 PM



#60
Dibromochloromethane
Concen: 19.22 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion: 129 Resp: 62387
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.98 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:107 Resp: 64641

Ion Ratio Lower Upper

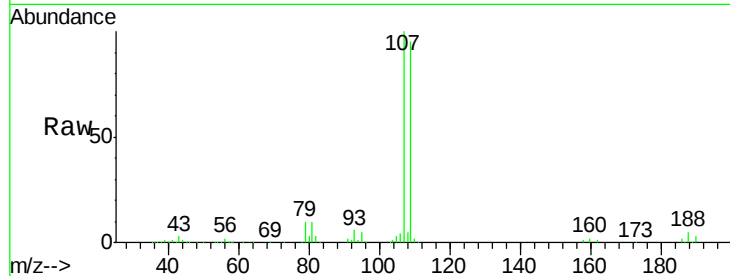
107 100

109 95.4 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

30000

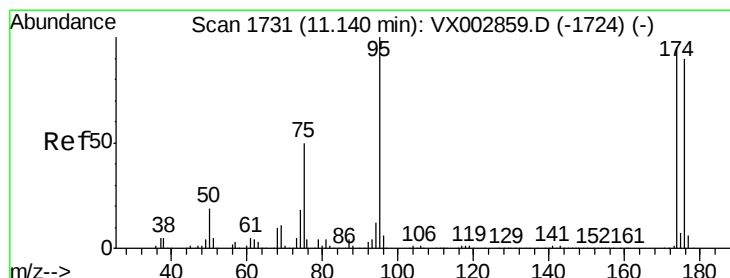
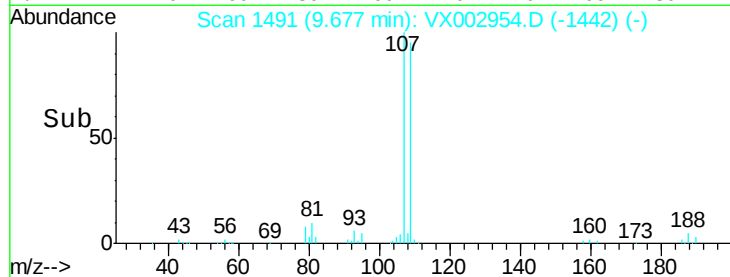
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

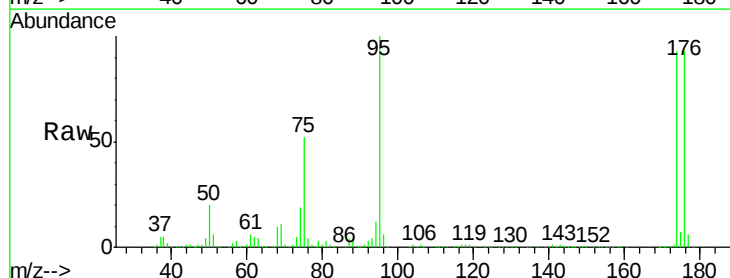
Tgt Ion: 95 Resp: 202745

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

176 94.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

150000

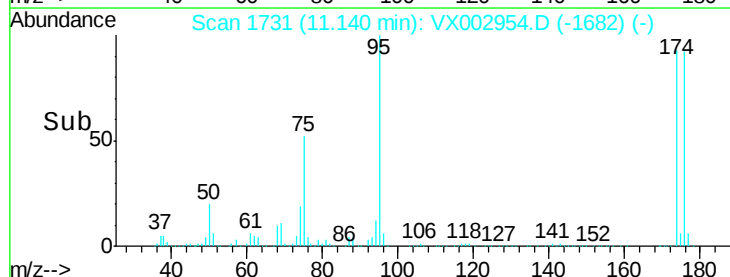
100000

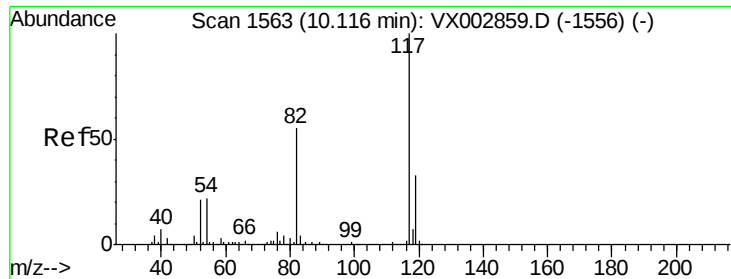
50000

0

Time-->

11.10 11.20





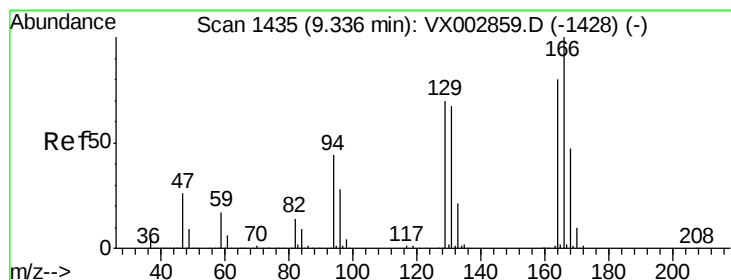
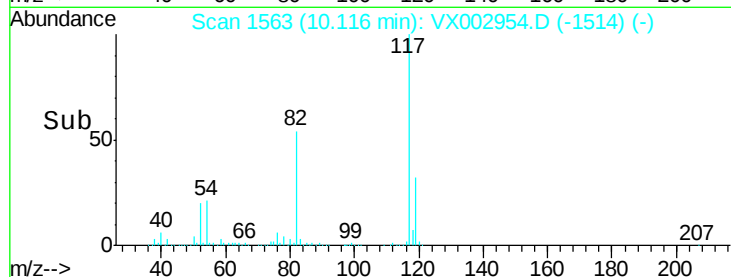
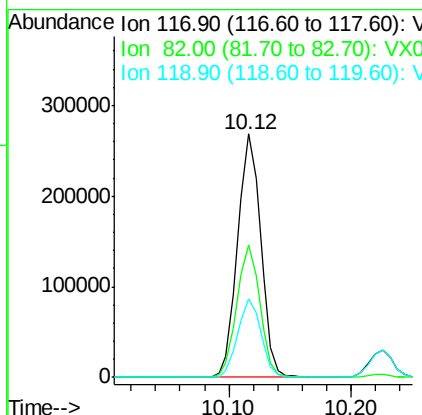
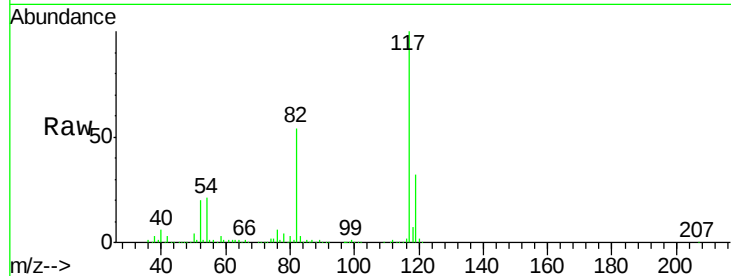
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.0	67.4
119	32.0	25.8	38.6

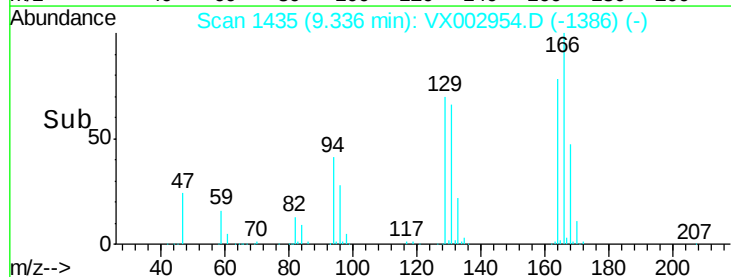
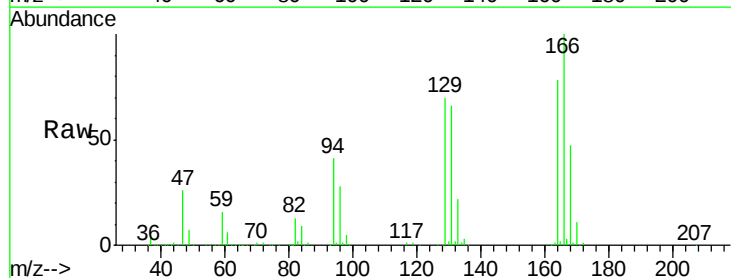
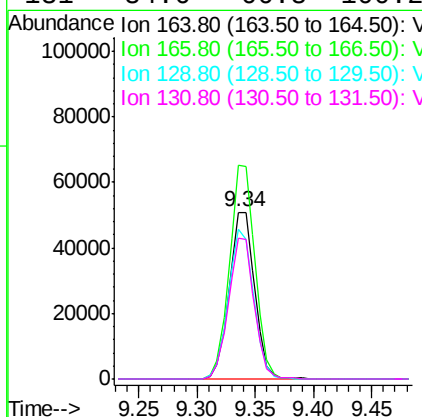
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#64
Tetrachloroethene
Concen: 19.76 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.9	154.3
129	89.6	68.6	102.8
131	84.6	66.8	100.2





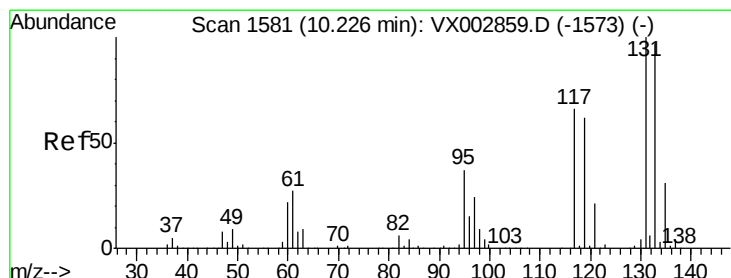
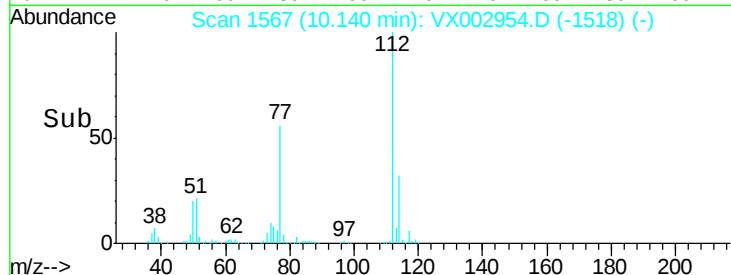
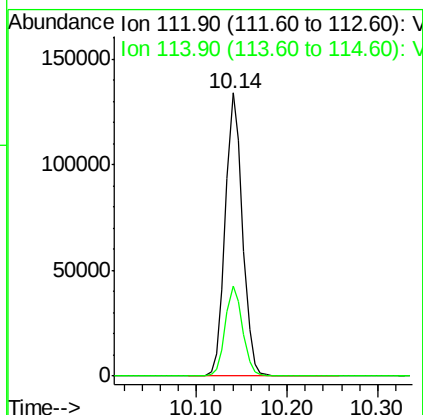
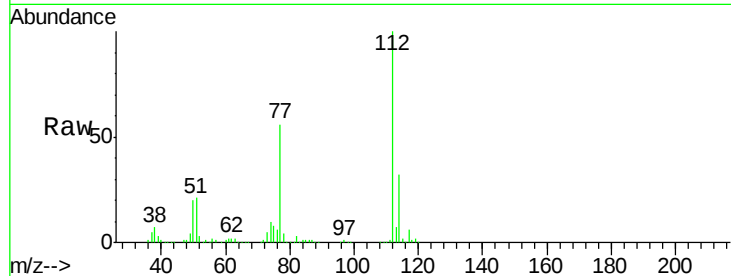
#65
Chlorobenzene
Concen: 19.80 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.3	37.9

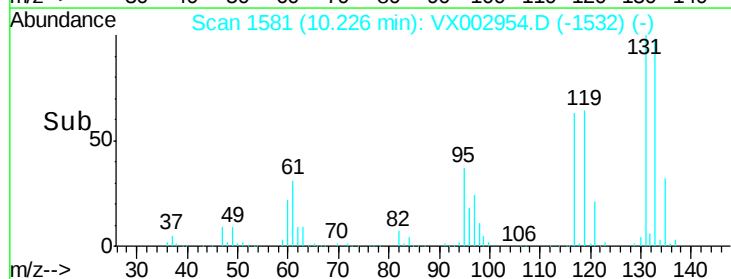
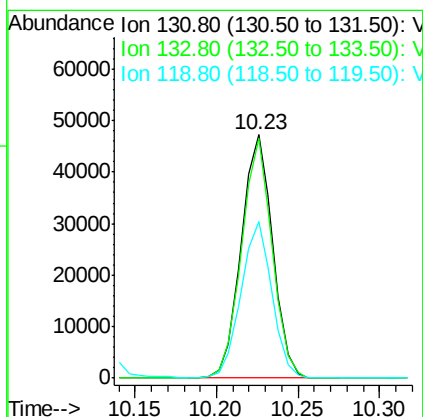
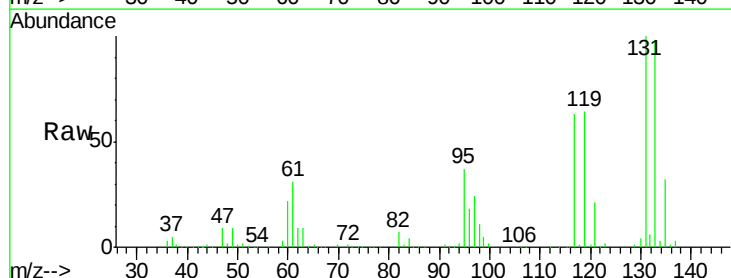
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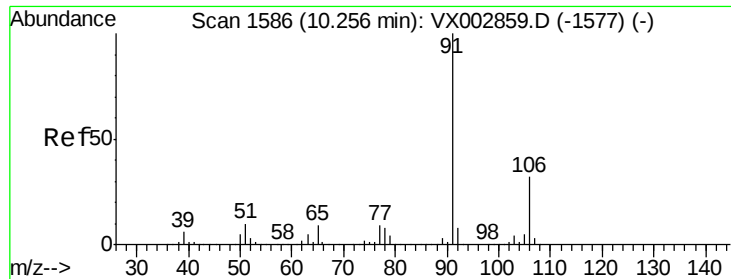
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.52 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.9	143.6
119	63.6	31.8	95.3





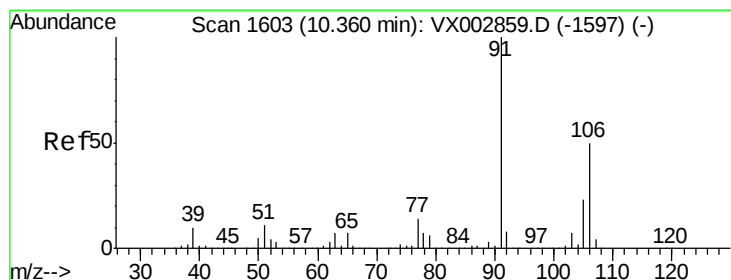
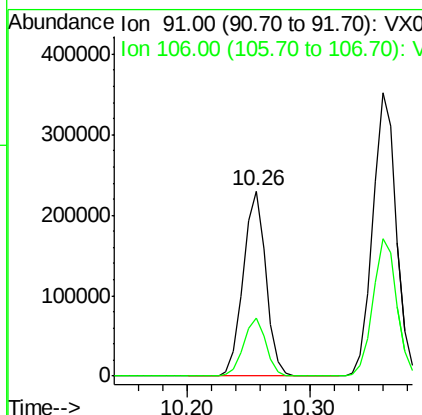
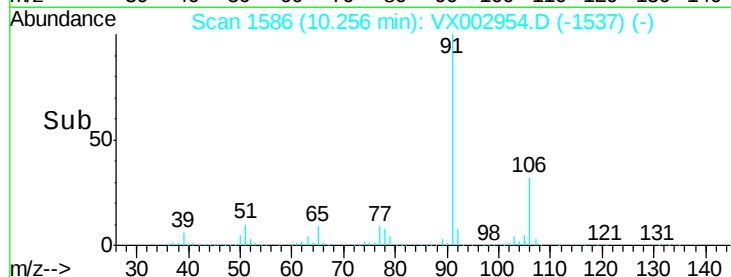
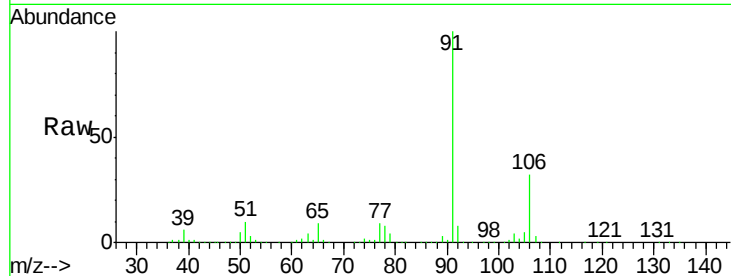
#67
Ethyl Benzene
Concen: 20.00 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion: 91 Resp: 295376
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

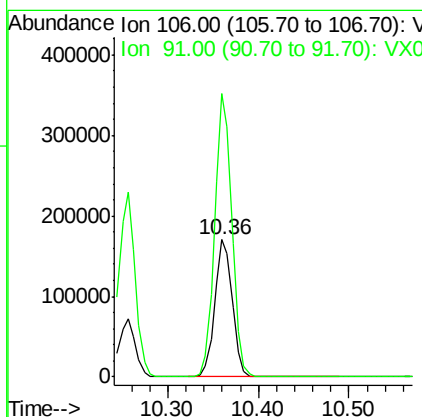
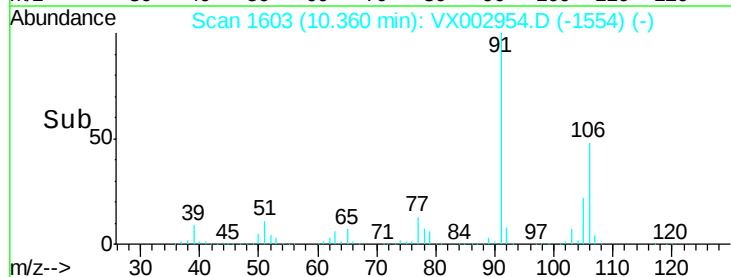
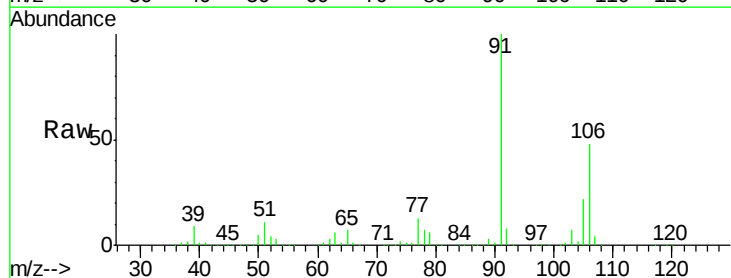
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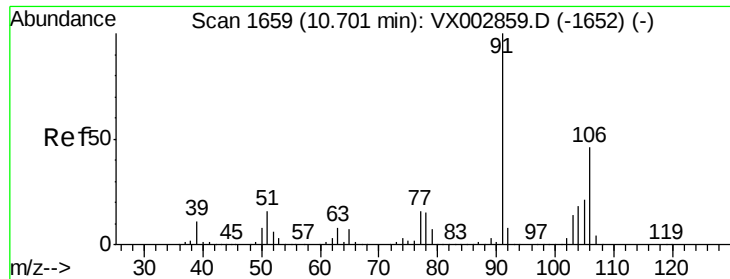
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#68
m/p-Xylenes
Concen: 40.60 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion: 106 Resp: 231104
Ion Ratio Lower Upper
106 100
91 202.5 163.4 245.2





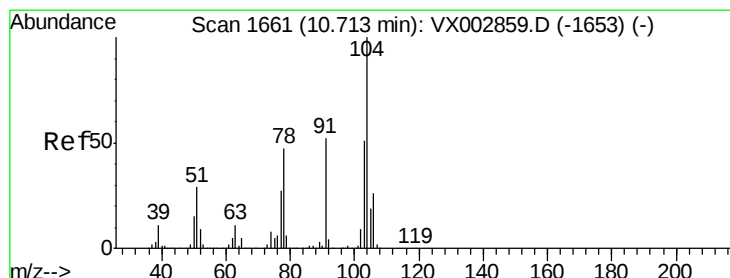
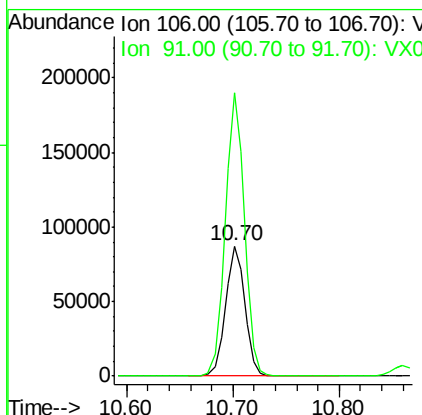
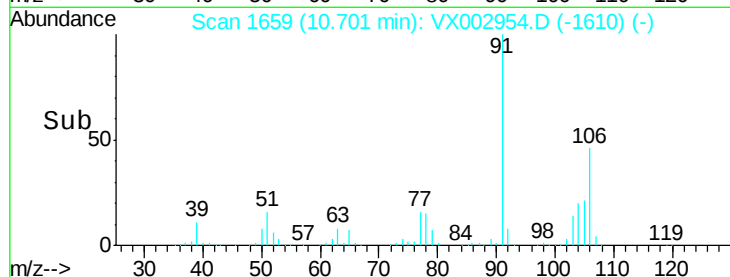
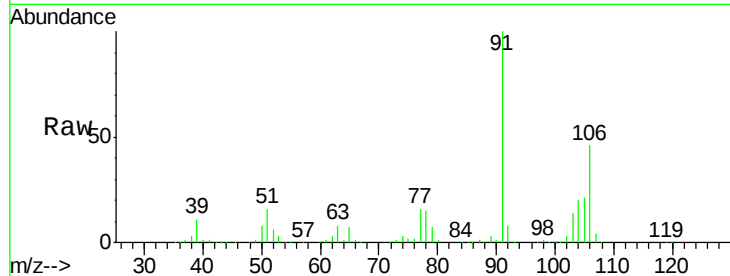
#69
o-Xylene
Concen: 19.98 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion:106 Resp: 110773
Ion Ratio Lower Upper
106 100
91 215.8 108.2 324.6

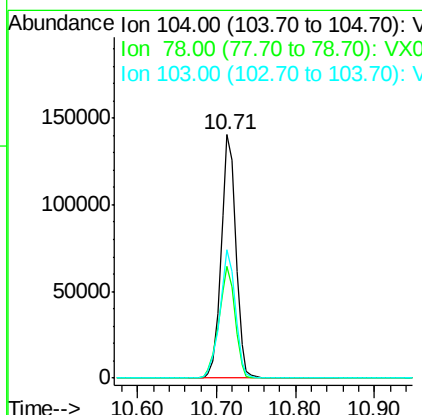
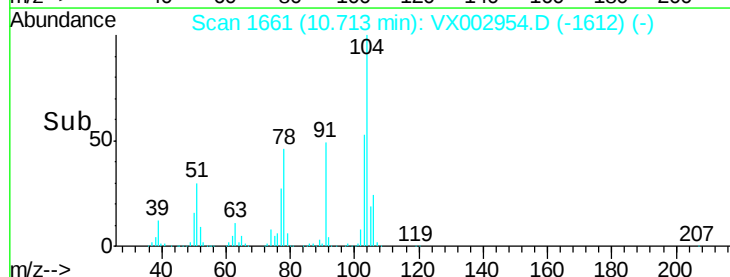
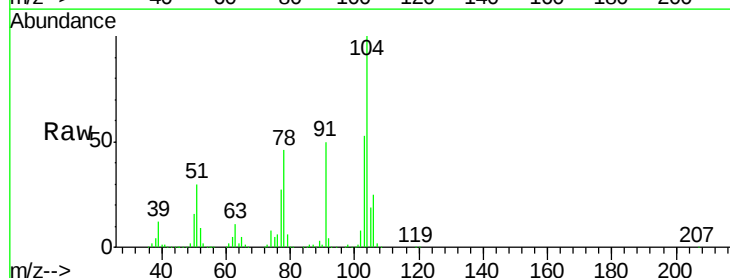
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#70
Styrene
Concen: 20.35 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion:104 Resp: 183303
Ion Ratio Lower Upper
104 100
78 50.4 41.0 61.6
103 55.9 44.2 66.4





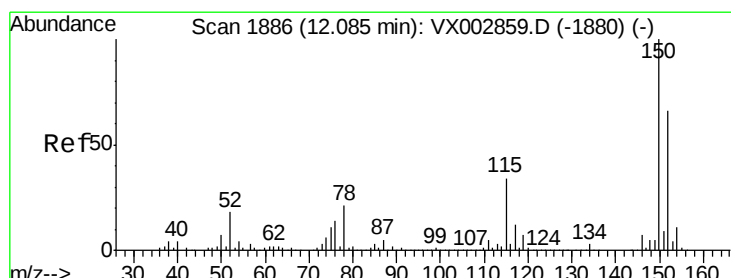
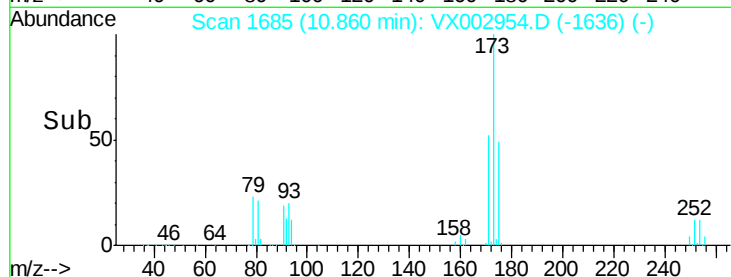
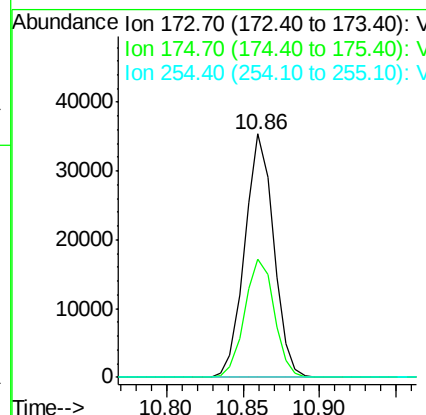
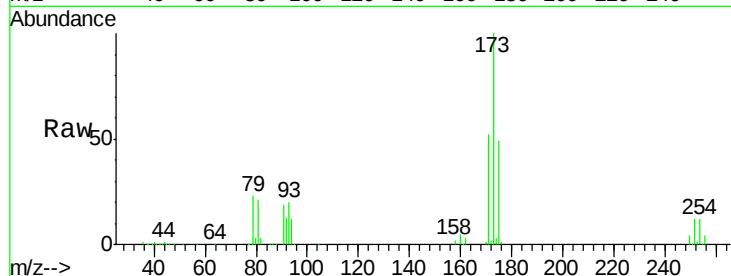
#71
Bromoform
Concen: 18.48 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.7	74.1
254	0.2	0.2	0.2

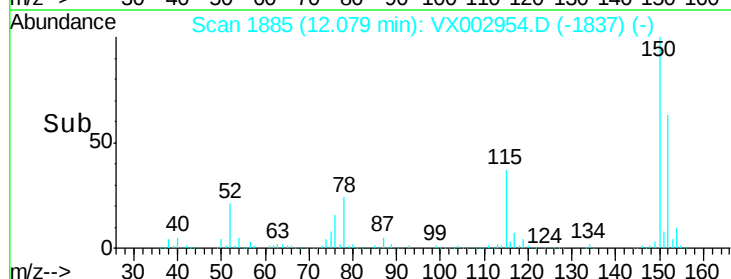
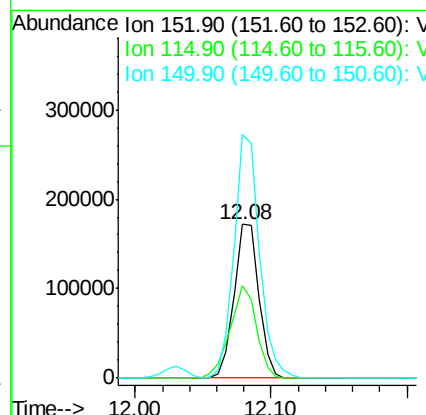
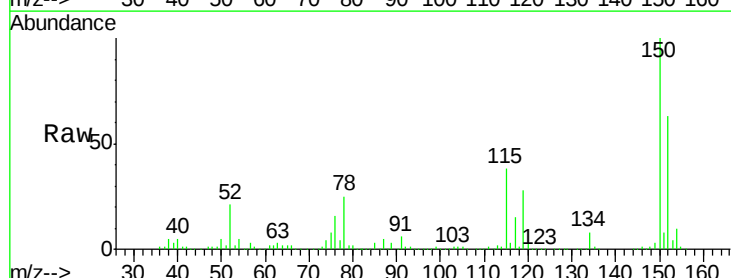
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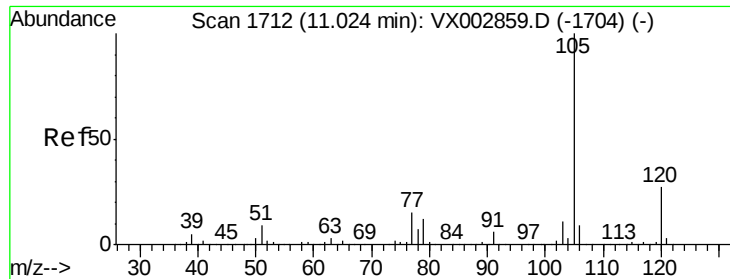
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	40.1	120.2
150	163.1	0.0	347.2





#73

Isopropylbenzene

Concen: 20.81 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:105 Resp: 304658

Ion Ratio Lower Upper

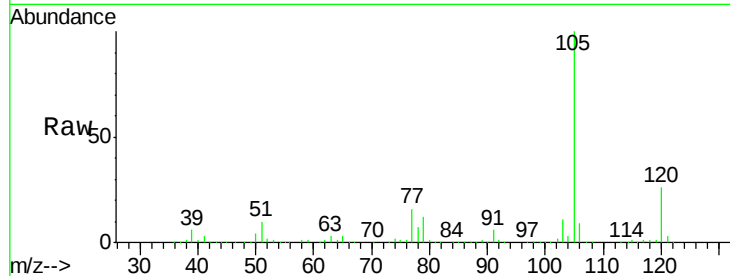
105 100

120 26.6 13.5 40.4

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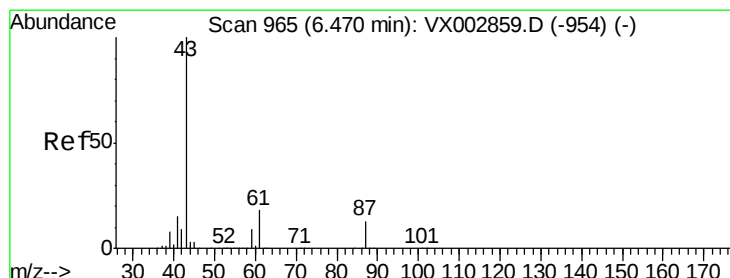
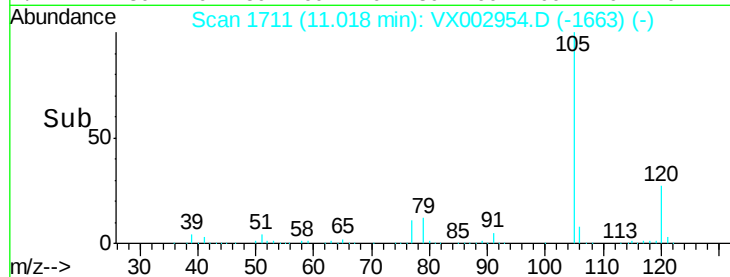
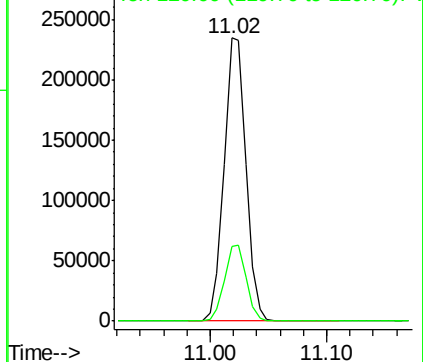
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.86 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion: 43 Resp: 142267

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

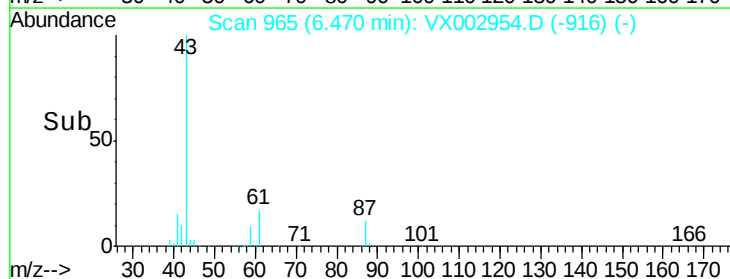
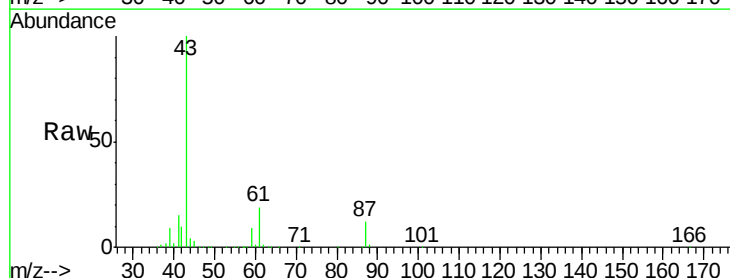
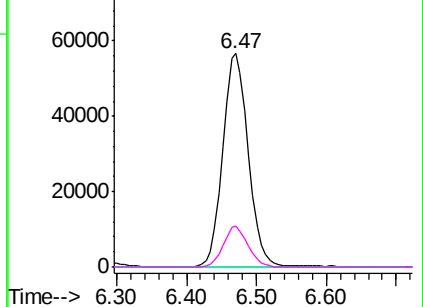
61 18.4 14.4 21.6

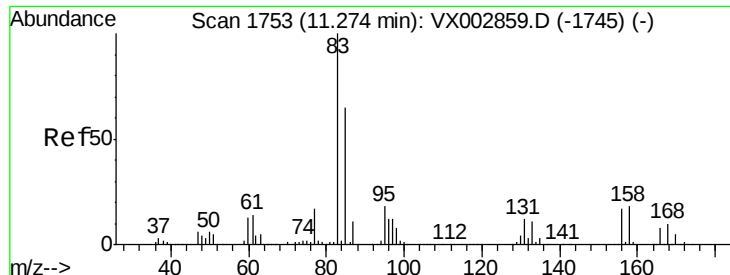
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.33 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

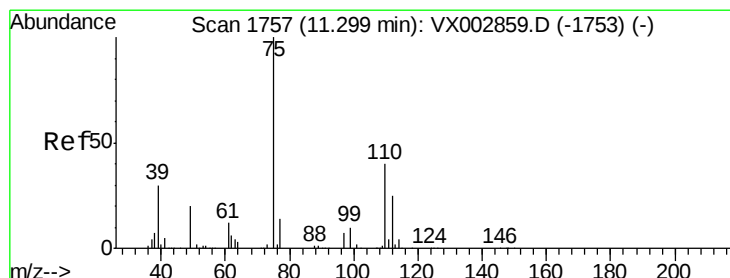
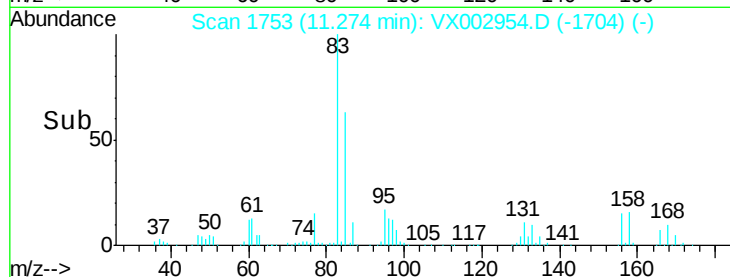
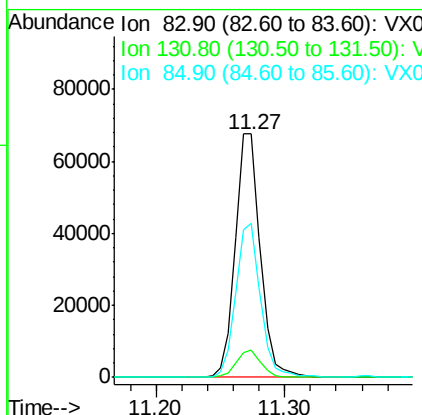
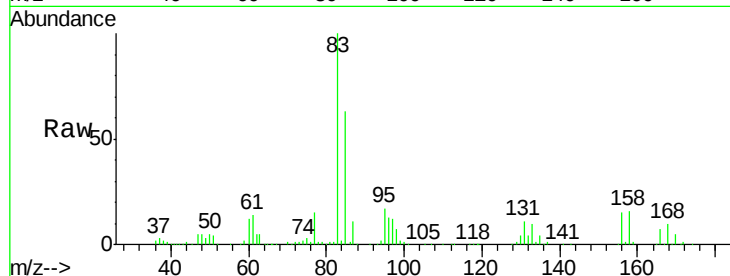
ClientSampleId :

VX0627WBS02

Tot Ion:	83	Resp:	91669
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	62.7	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.14 ug/l m

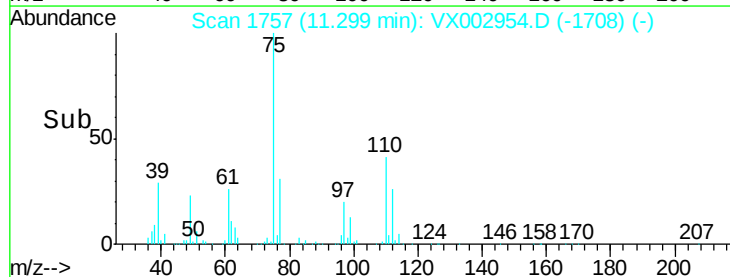
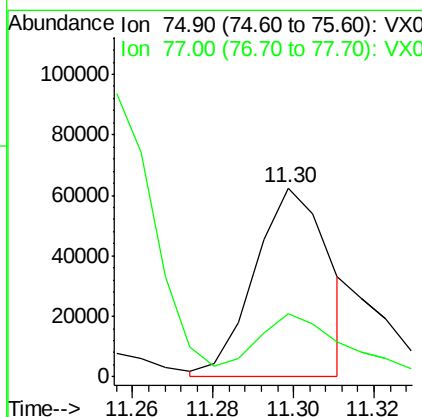
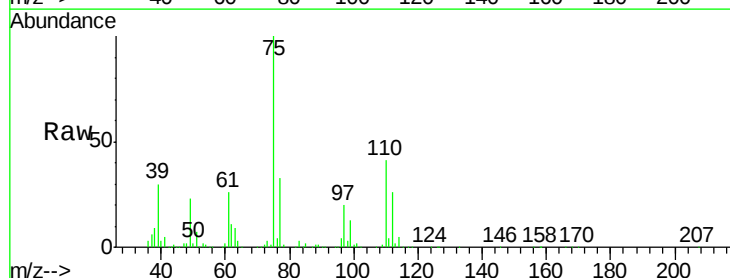
RT: 11.30 min Scan# 1757

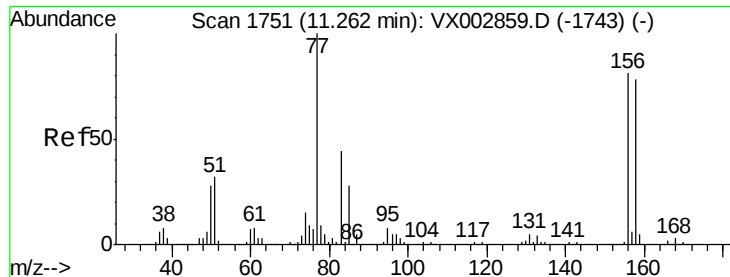
Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	75	Resp:	79398
Ion Ratio	Lower	Upper	
75	100		
77	40.8	22.8	68.3





#77

Bromobenzene

Concen: 20.17 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:156 Resp: 84097

Ion Ratio Lower Upper

156 100

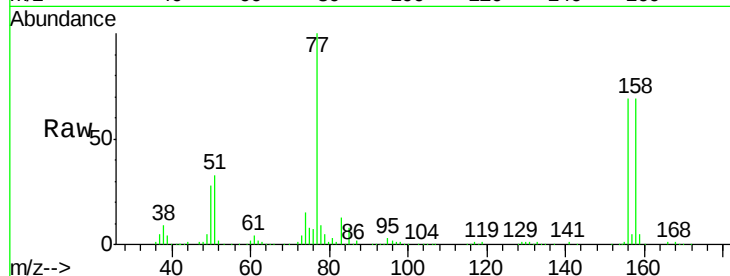
77 137.7 71.4 214.2

158 98.3 48.9 146.6

Manual Integrations
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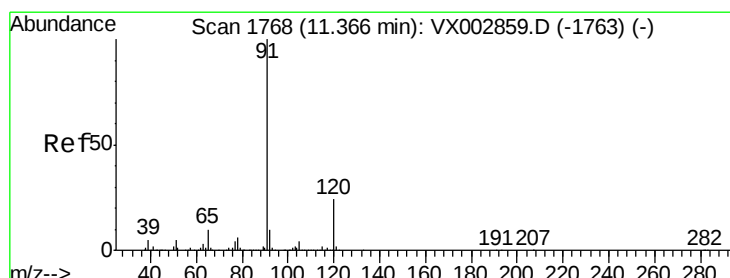
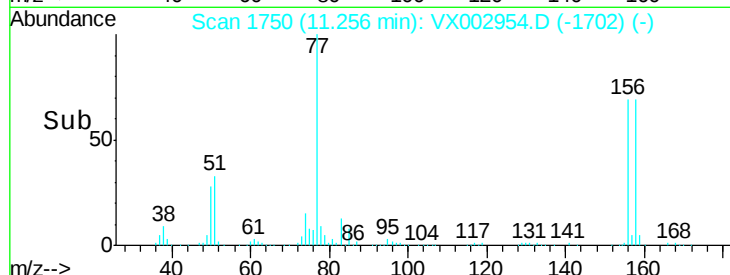
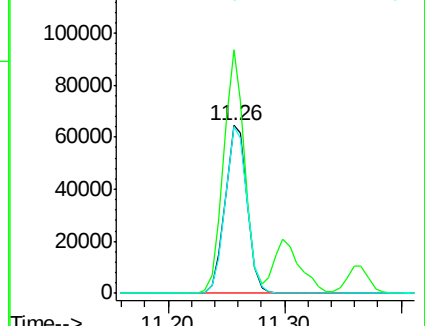
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.50 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002954.D

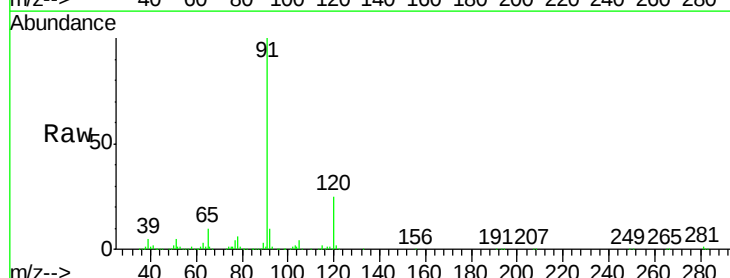
Acq: 28 Jun 2018 00:00

Tgt Ion: 91 Resp: 341633

Ion Ratio Lower Upper

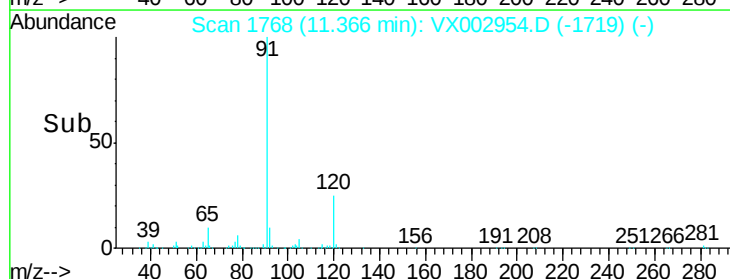
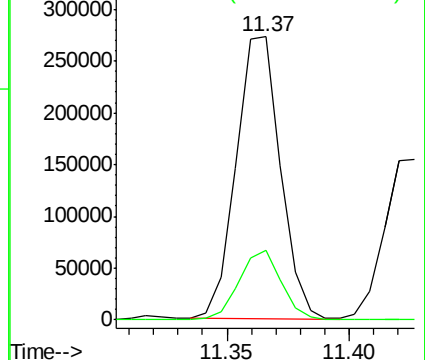
91 100

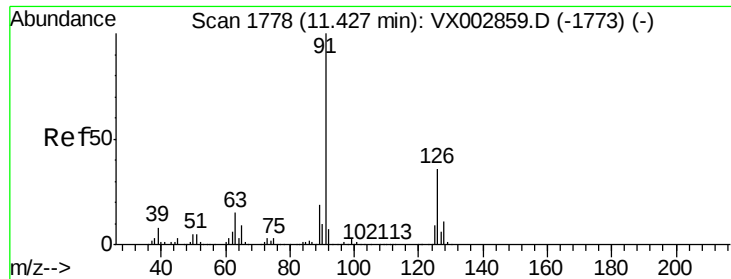
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.18 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 91 Resp: 203562

Ion Ratio Lower Upper

91 100

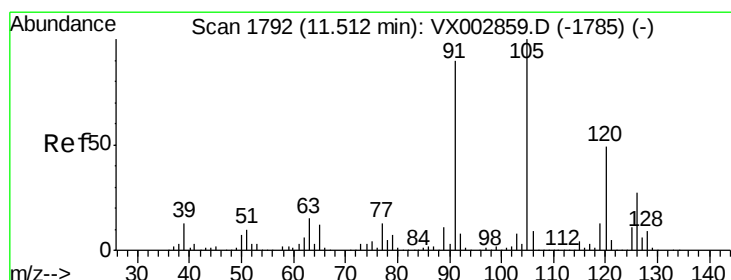
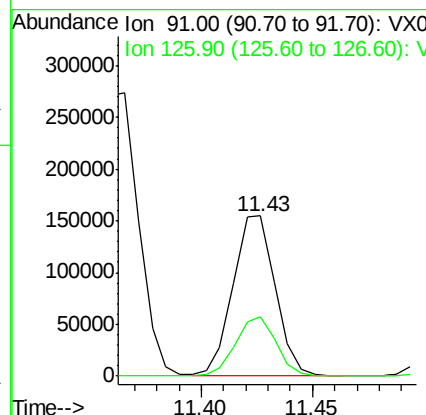
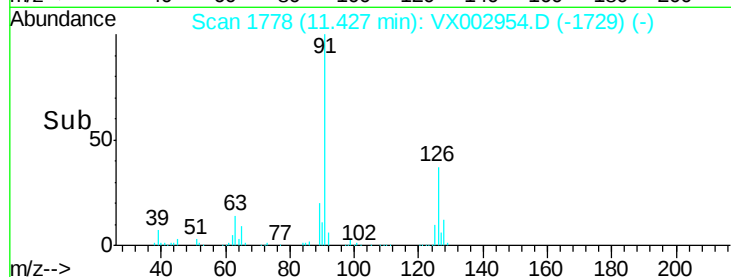
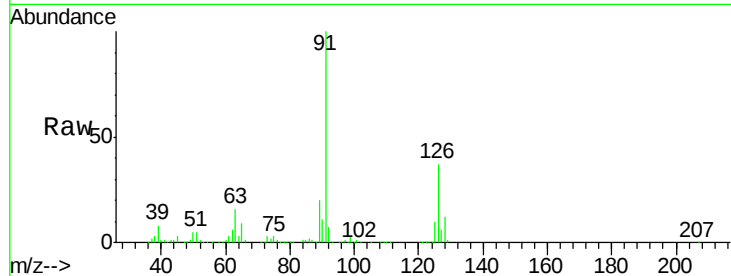
126 35.9 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.41 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002954.D

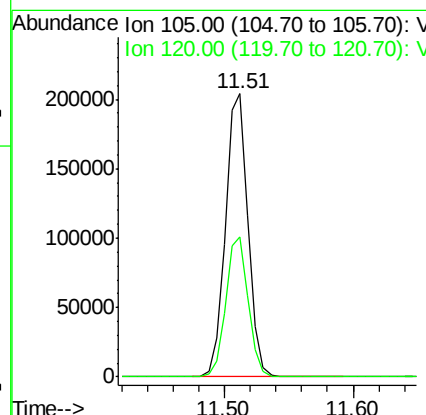
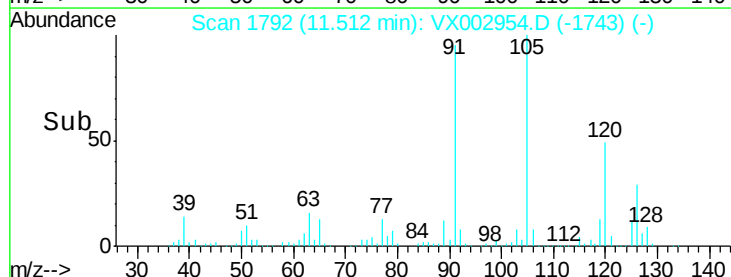
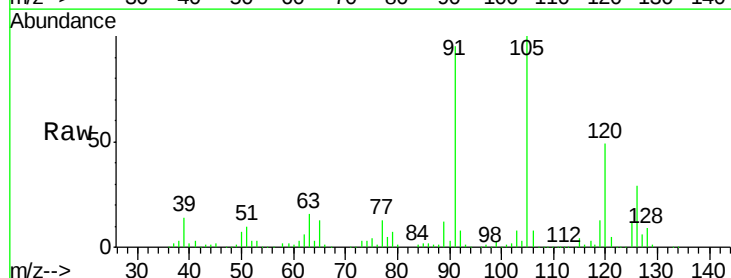
Acq: 28 Jun 2018 00:00

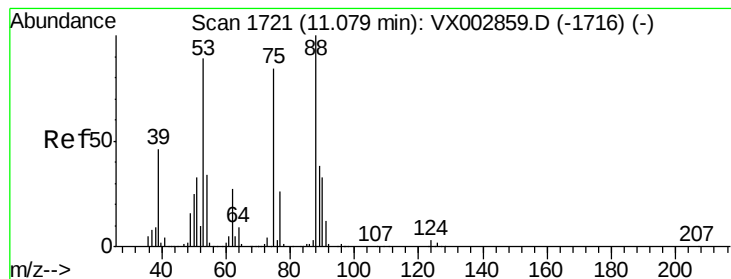
Tgt Ion: 105 Resp: 251698

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.34 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 75 Resp: 20355

Ion Ratio Lower Upper

75 100

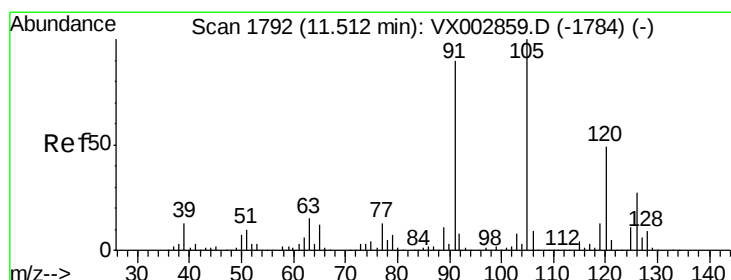
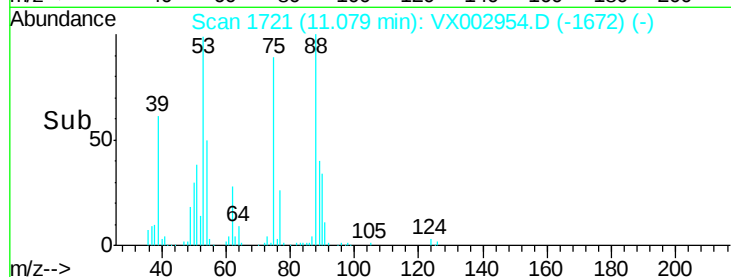
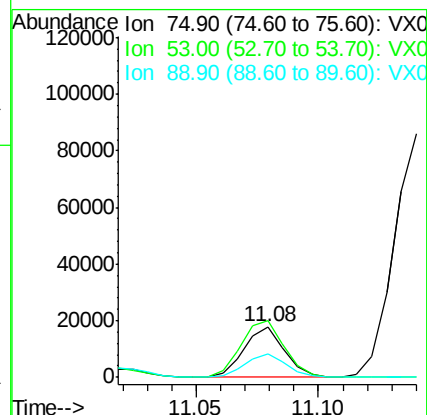
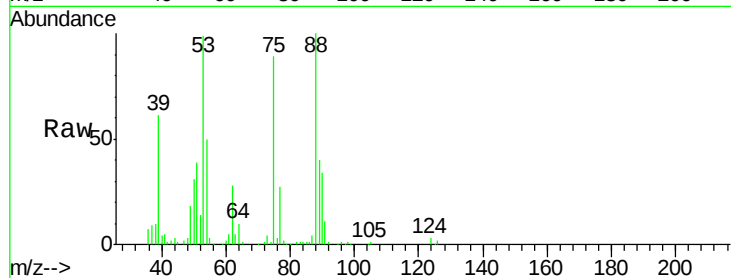
53 123.2 86.8 130.2

89 47.8 38.2 57.2

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#82

4-Chlorotoluene

Concen: 20.20 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002954.D

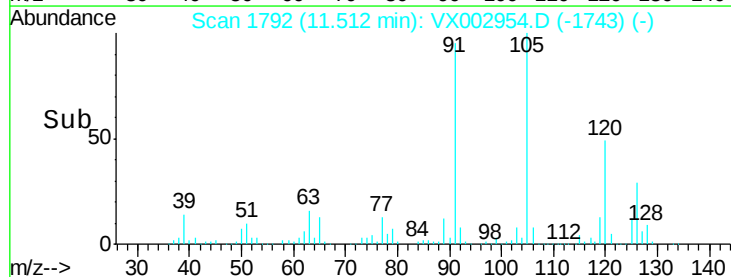
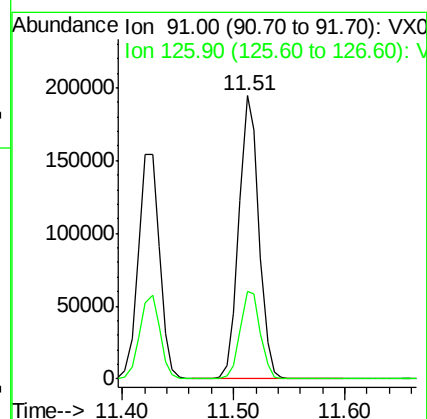
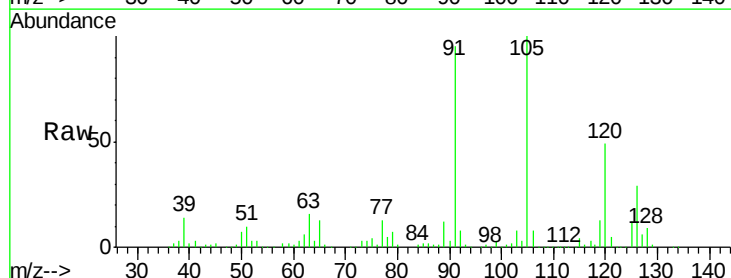
Acq: 28 Jun 2018 00:00

Tgt Ion: 91 Resp: 241222

Ion Ratio Lower Upper

91 100

126 31.4 15.4 46.4





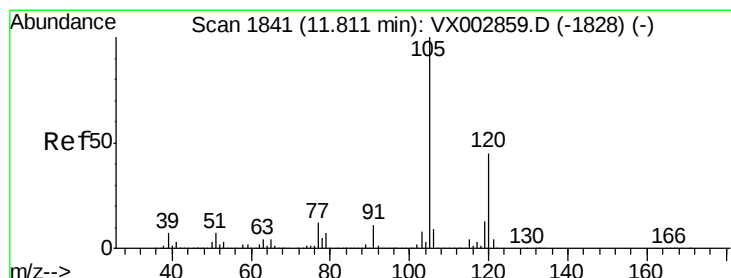
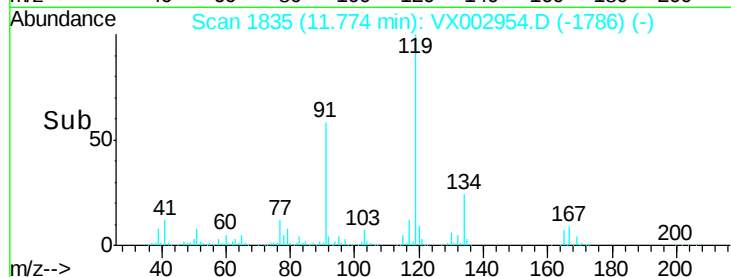
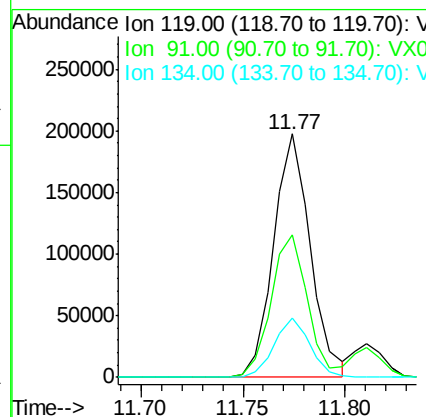
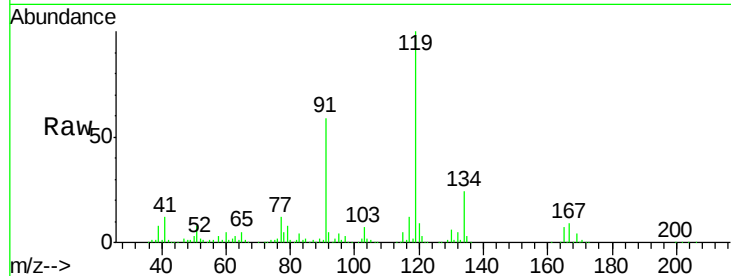
#83
tert-Butylbenzene
Concen: 20.41 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.5	30.3	90.9
134	23.8	11.7	35.1

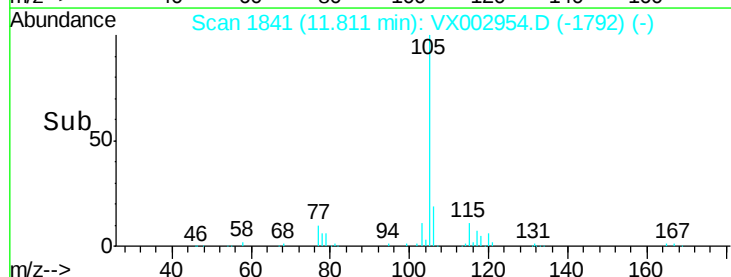
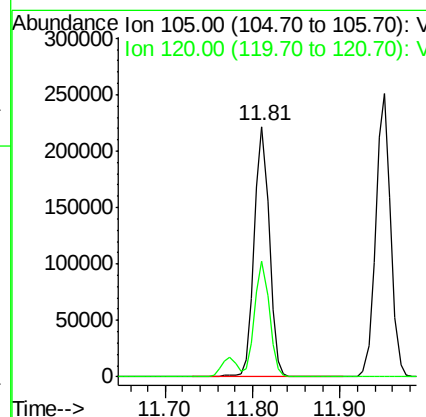
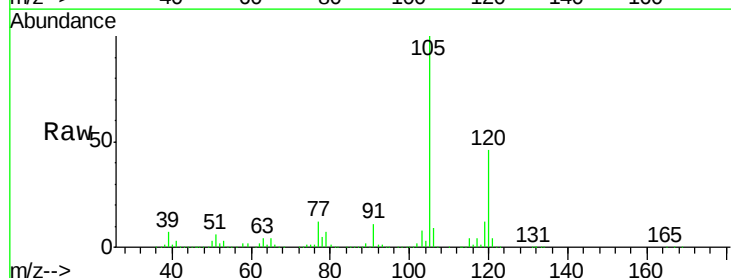
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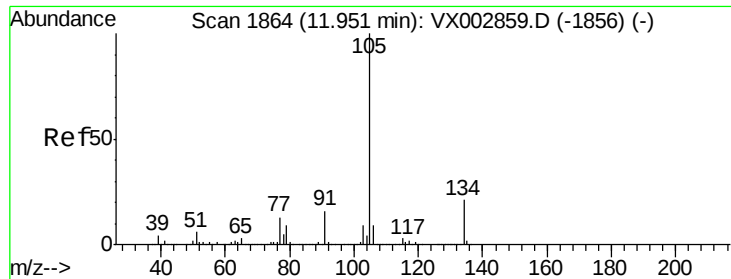
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#84
1,2,4-Trimethylbenzene
Concen: 20.48 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8





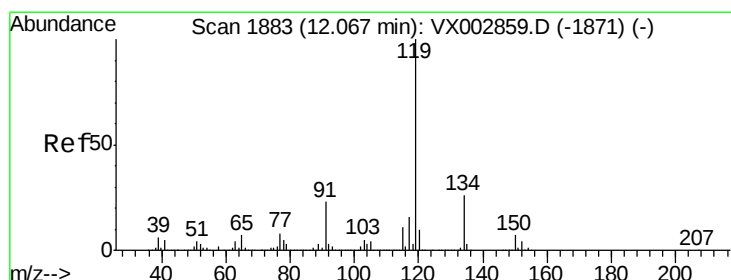
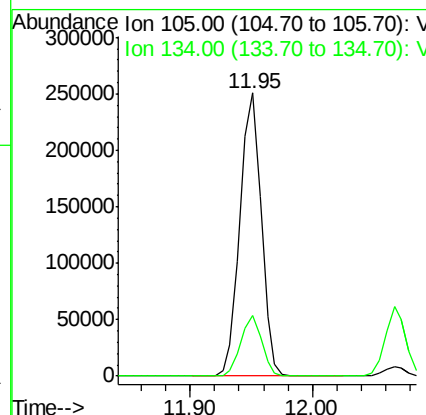
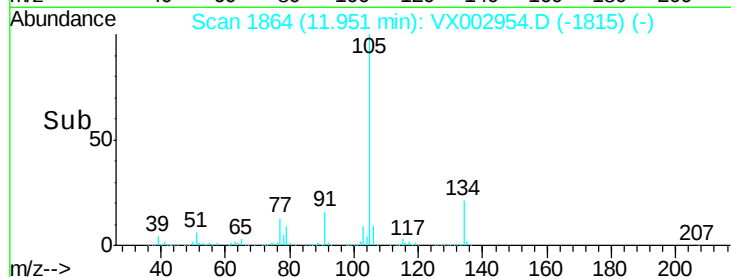
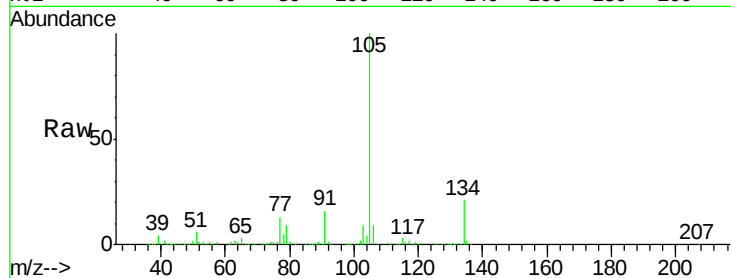
#85
 sec-Butylbenzene
 Concen: 20.45 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion:105 Resp: 301468
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1

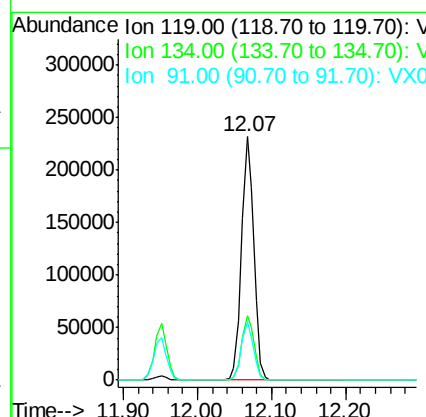
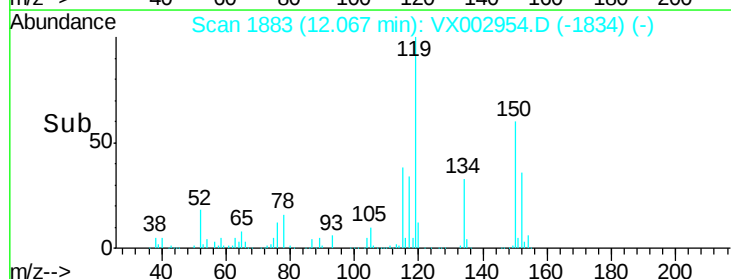
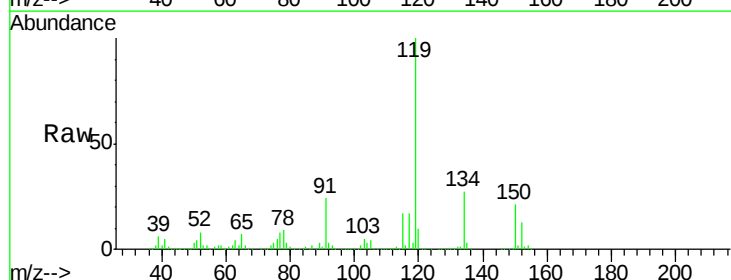
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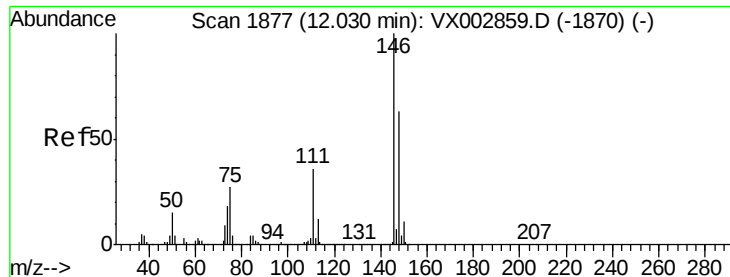
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#86
 p-Isopropyltoluene
 Concen: 20.32 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion:119 Resp: 269380
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.1
 91 23.9 11.9 35.7





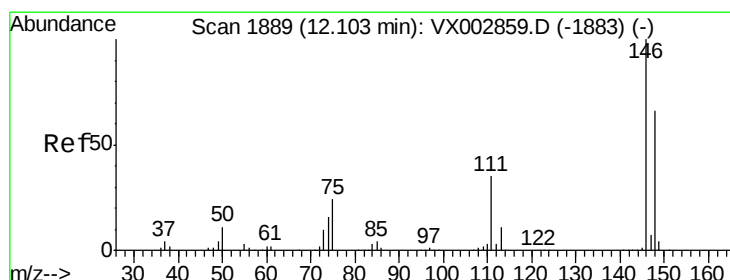
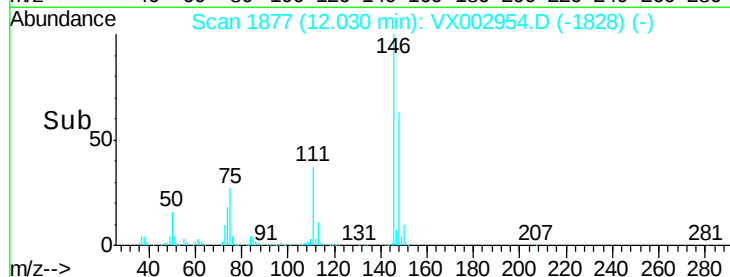
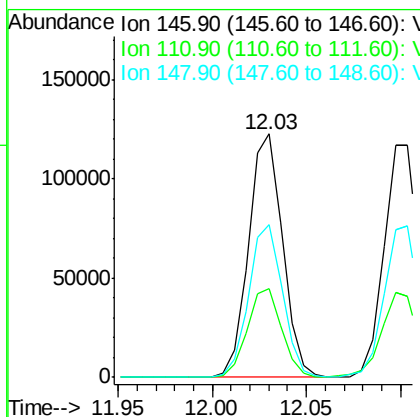
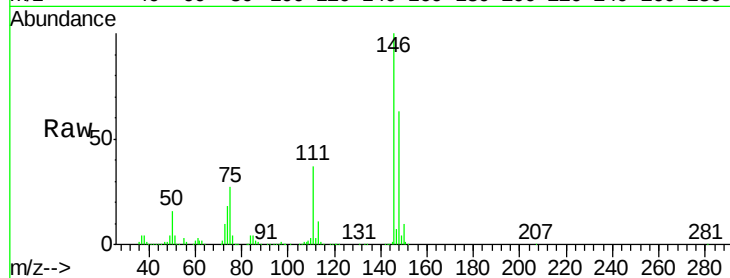
#87
 1,3-Dichlorobenzene
 Concen: 20.12 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	62.5	32.1	96.3

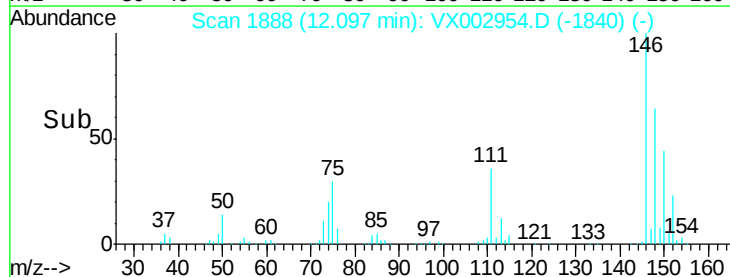
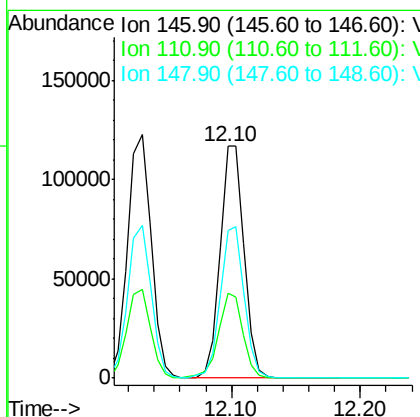
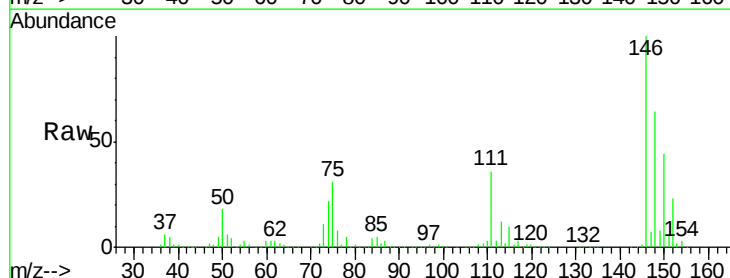
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#88
 1,4-Dichlorobenzene
 Concen: 19.57 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	65.3	32.4	97.0





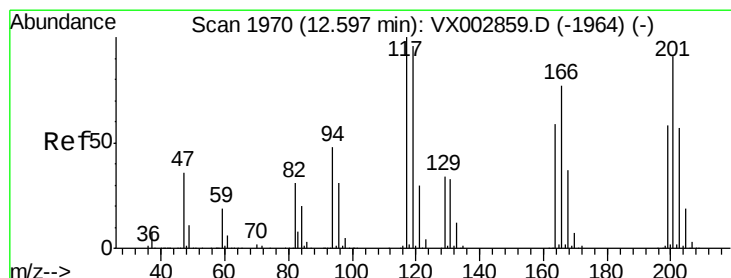
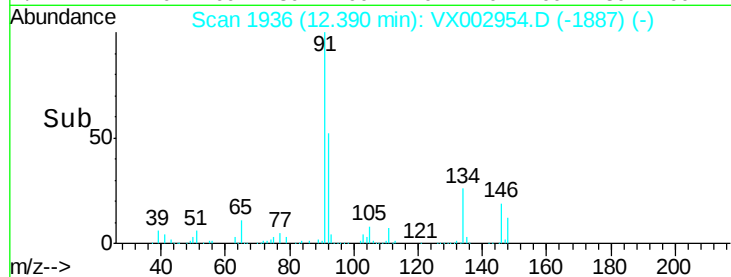
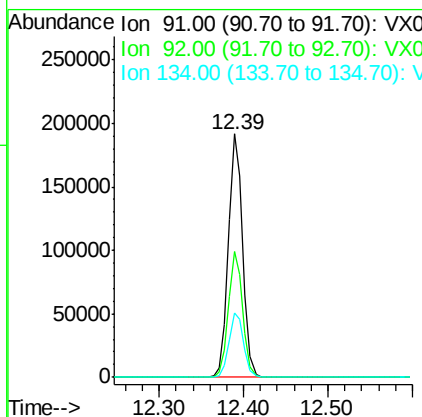
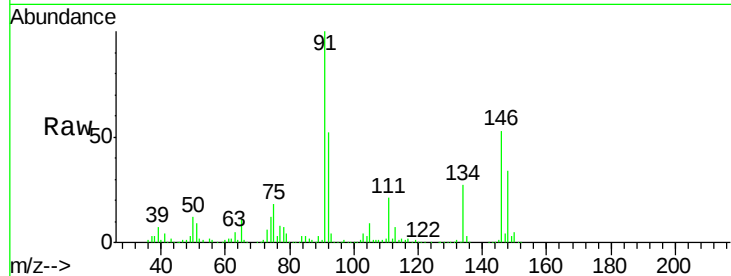
#89
n-Butylbenzene
Concen: 19.39 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	27.1	13.5	40.5

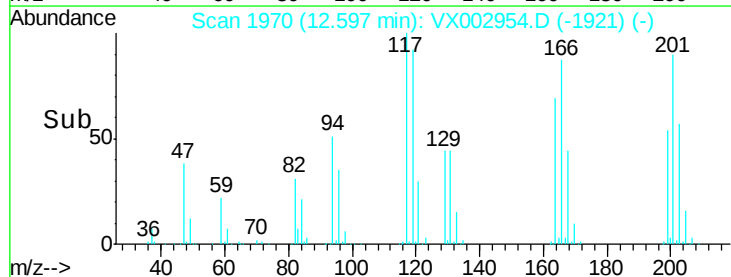
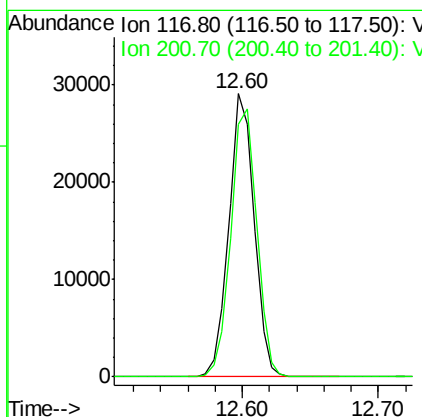
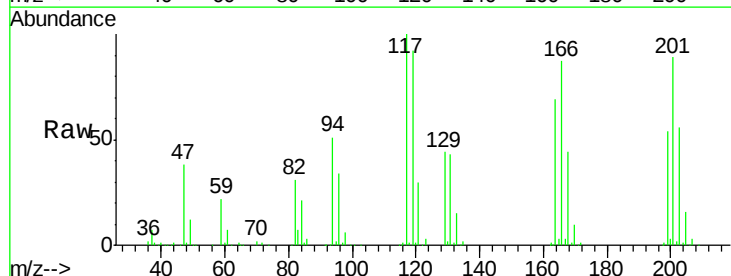
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#90
Hexachloroethane
Concen: 19.13 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002954.D
Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	49.0	147.0





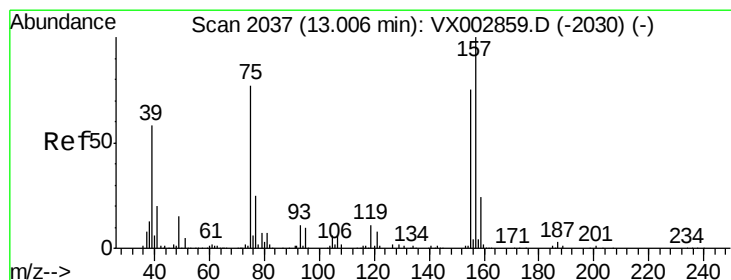
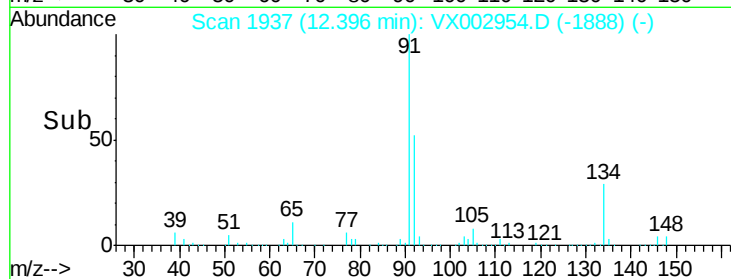
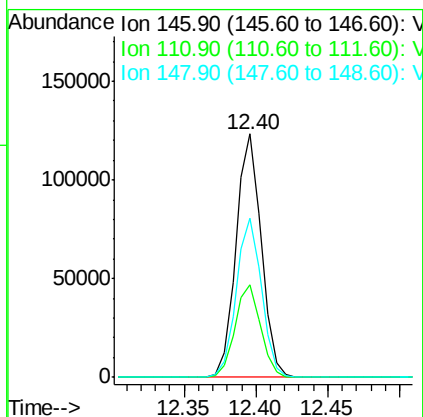
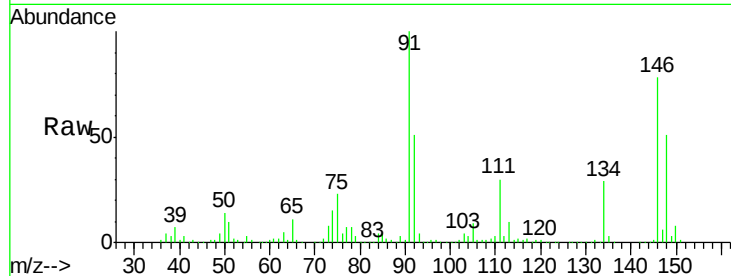
#91
 1,2-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	65.3	31.7	95.1

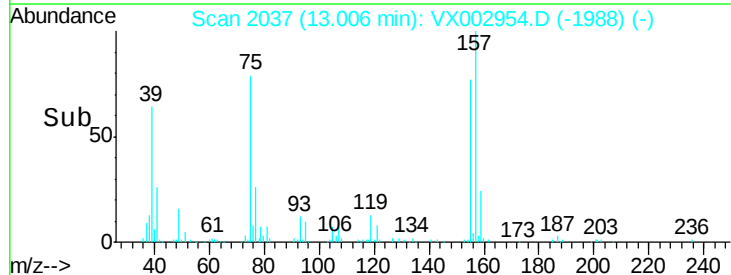
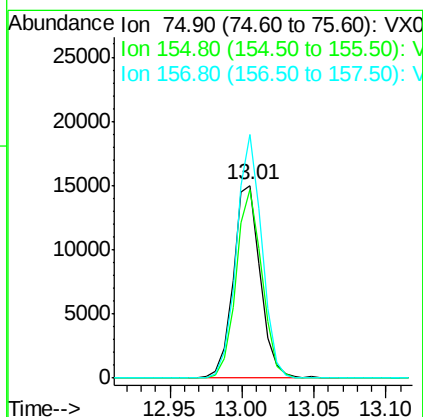
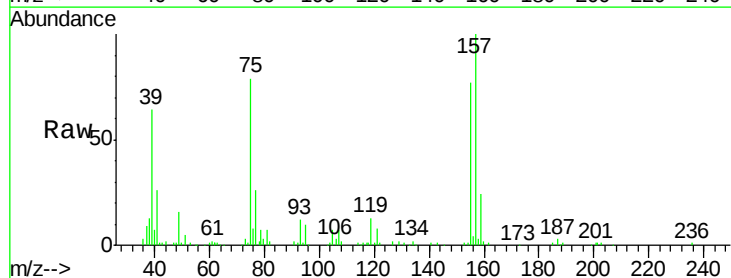
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.39 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	45.8	137.4
157	117.7	60.1	180.3





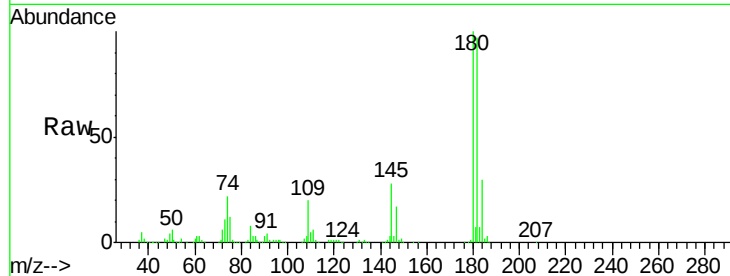
#93
 1,2,4-Trichlorobenzene
 Concen: 19.27 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

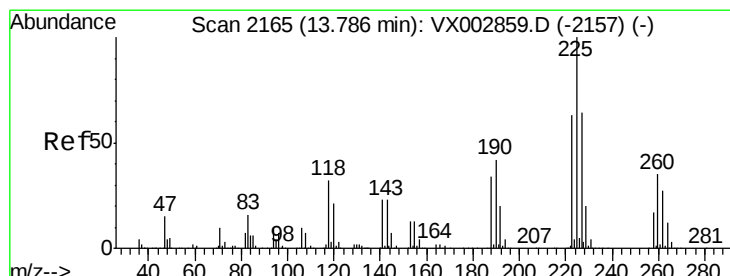
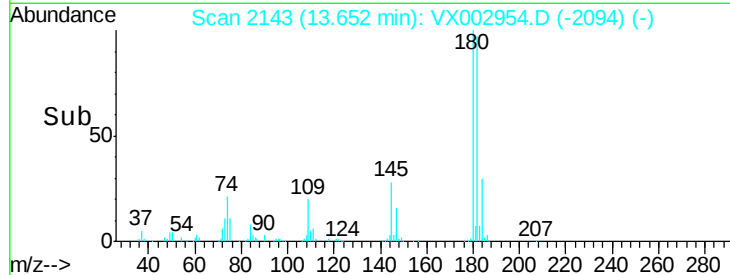
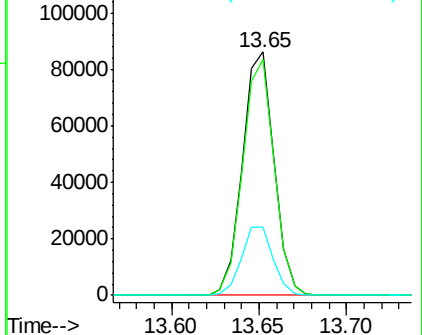
Tot Ion	Ratio	Resp	Lower	Upper
180	100	107812		
182	96.7	47.7	143.1	
145	28.5	14.1	42.4	

Manual Integrations
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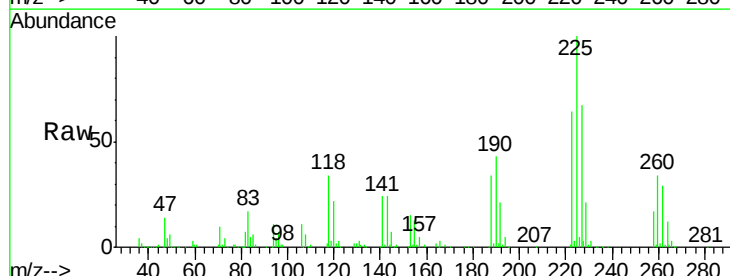


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

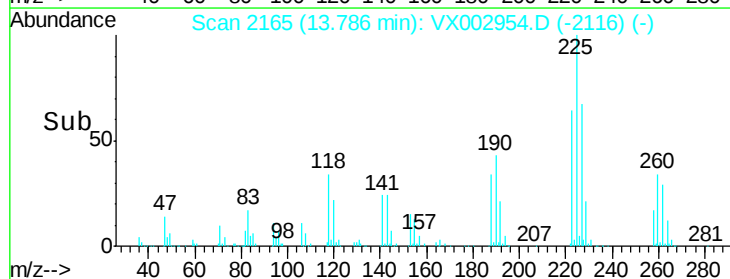
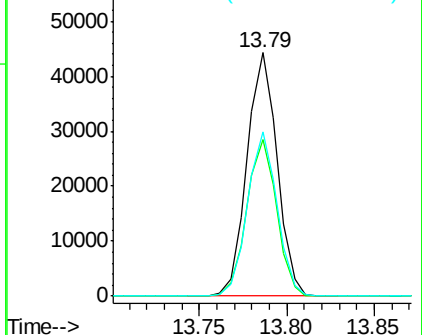


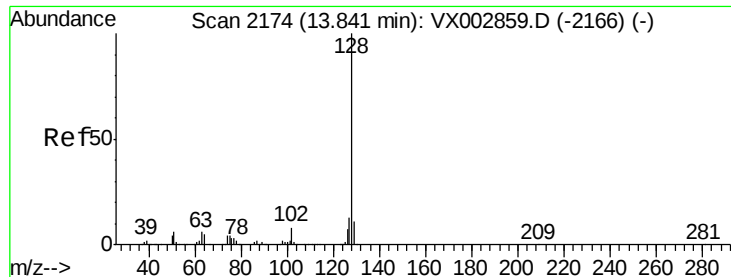
#94
 Hexachlorobutadiene
 Concen: 19.02 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002954.D
 Acq: 28 Jun 2018 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53071		
223	63.8	31.6	95.0	
227	66.0	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: 20.04 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Instrument :

MSVOA_X

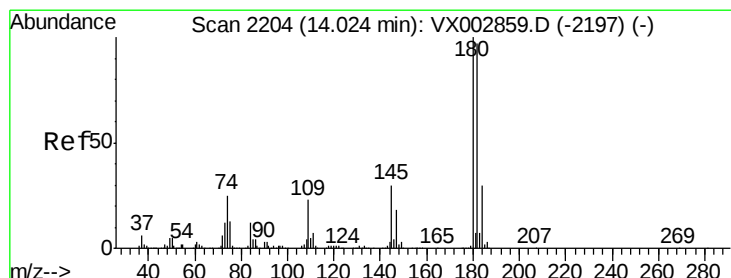
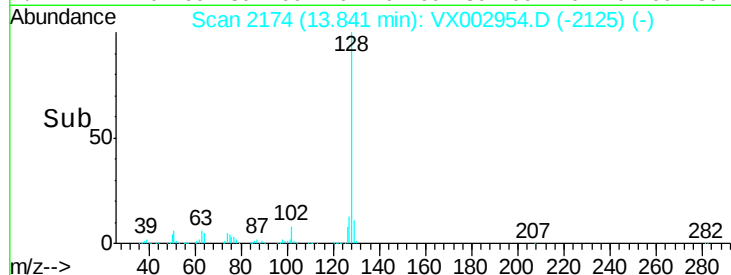
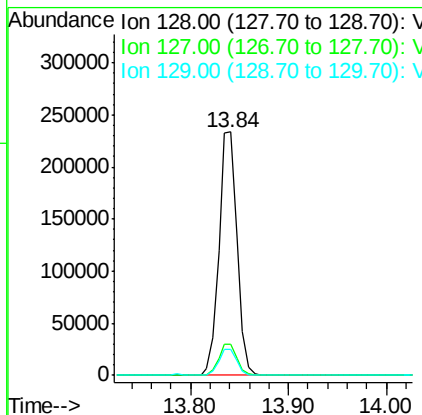
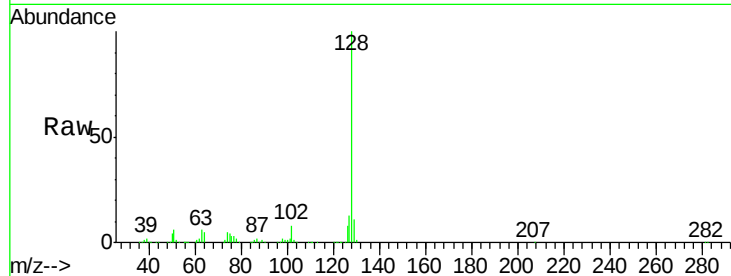
ClientSampleId :

VX0627WBS02

Tot Ion:	128	Resp:	298533
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:47:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.80 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002954.D

Acq: 28 Jun 2018 00:00

Tgt Ion:	180	Resp:	110616
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	29.6	14.8	44.3

