

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\
 Data File : VX002570.D
 Acq On : 15 Jun 2018 00:17
 Operator : JC/MD
 Sample : VX0614WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/15/2018 1:11:57 PM

Quant Time: Jun 15 03:34:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	187761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174442	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	5.51	113	138748	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	8.72	98	540583	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	11.14	95	194096	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37969	15.315	ug/l	95
3) Chloromethane	1.32	50	46235	14.221	ug/l	99
4) Vinyl Chloride	1.40	62	51629	16.524	ug/l	99
5) Bromomethane	1.64	94	30125	14.679	ug/l	97
6) Chloroethane	1.73	64	34721	17.179	ug/l	97
7) Trichlorofluoromethane	1.93	101	91581	19.237	ug/l	100
8) Diethyl Ether	2.19	74	34304	18.781	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50970	19.840	ug/l	98
10) Methyl Iodide	2.51	142	58229	16.114	ug/l	97
11) Tert butyl alcohol	3.07	59	66151	81.286	ug/l	98
12) 1,1-Dichloroethene	2.37	96	46425	18.285	ug/l	98
13) Acrolein	2.29	56	12421	28.018	ug/l	99
14) Allyl chloride	2.73	41	89676	16.276	ug/l	98
15) Acrylonitrile	3.15	53	149819	97.302	ug/l	99
16) Acetone	2.45	43	138708	81.660	ug/l	99
17) Carbon Disulfide	2.57	76	90928	13.588	ug/l	96
18) Methyl Acetate	2.78	43	73984	20.037	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	186595	19.654	ug/l	97
20) Methylene Chloride	2.86	84	54449	18.448	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	49540	17.694	ug/l	98
22) Diisopropyl ether	3.88	45	170202	17.525	ug/l	96
23) Vinyl Acetate	3.83	43	712500	79.769	ug/l	100
24) 1,1-Dichloroethane	3.70	63	90589	16.635	ug/l	98
25) 2-Butanone	4.71	43	192163	82.177	ug/l	99
26) 2,2-Dichloropropane	4.59	77	53031	12.458	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	52998	17.406	ug/l	93
28) Bromochloromethane	5.03	49	48309	18.624	ug/l	99
29) Tetrahydrofuran	5.17	42	126141	83.667	ug/l	99
30) Chloroform	5.22	83	91929	17.494	ug/l	95
31) Cyclohexane	5.58	56	71788	16.671	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	77171	17.316	ug/l	98
36) 1,1-Dichloropropene	5.80	75	63656	17.541	ug/l	100
37) Ethyl Acetate	4.87	43	76149	17.449	ug/l	99
38) Carbon Tetrachloride	5.79	117	65707	17.308	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71651	16.160	ug/l	97
40) Benzene	6.15	78	192941	17.340	ug/l	99
41) Methacrylonitrile	5.07	41	44653	17.874	ug/l	98
42) 1,2-Dichloroethane	6.21	62	78210	17.692	ug/l	100
43) Isopropyl Acetate	6.47	43	126024	17.002	ug/l	100
44) Trichloroethene	7.22	130	55555	17.990	ug/l	98
45) 1,2-Dichloropropane	7.52	63	51321	17.085	ug/l	98
46) Dibromomethane	7.67	93	35306	17.338	ug/l	99
47) Bromodichloromethane	7.90	83	61962	16.824	ug/l	97
48) Methyl methacrylate	7.78	41	64675	17.370	ug/l	98
49) 1,4-Dioxane	7.76	88	23086	331.608	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	415090	89.922	ug/l	100
52) Toluene	8.79	92	122195	17.267	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	70449	15.951	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	64190	15.405	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	53112	18.248	ug/l	97
56) Ethyl methacrylate	9.18	69	80455	17.314	ug/l	99
57) 1,3-Dichloropropane	9.38	76	87802	17.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	199604	92.806	ug/l	100
59) 2-Hexanone	9.50	43	311630	87.401	ug/l	99
60) Dibromochloromethane	9.59	129	49133	16.783	ug/l	99
61) 1,2-Dibromoethane	9.68	107	54029	17.803	ug/l	99
64) Tetrachloroethene	9.34	164	61962	18.767	ug/l	99
65) Chlorobenzene	10.14	112	142814	17.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	50809	17.616	ug/l	99
67) Ethyl Benzene	10.26	91	246449	18.487	ug/l	98
68) m/p-Xylenes	10.36	106	184269	35.560	ug/l	100
69) o-Xylene	10.70	106	91823	17.806	ug/l	98
70) Styrene	10.71	104	151527	17.974	ug/l	100
71) Bromoform	10.86	173	35648	16.303	ug/l #	99
73) Isopropylbenzene	11.02	105	253524	19.410	ug/l	100
74) N-amyl acetate	6.47	43	126024	17.906	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	77639	18.899	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	76918m	18.670	ug/l	
77) Bromobenzene	11.26	156	68284	18.622	ug/l	99
78) n-propylbenzene	11.37	91	282178	19.437	ug/l	100
79) 2-Chlorotoluene	11.43	91	169993	18.544	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	208335	18.596	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	16109	13.706	ug/l #	85
82) 4-Chlorotoluene	11.51	91	196214	18.544	ug/l	98
83) tert-Butylbenzene	11.77	119	208836	19.143	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	217637	18.872	ug/l	99
85) sec-Butylbenzene	11.95	105	257330	20.120	ug/l	99
86) p-Isopropyltoluene	12.07	119	226138	19.412	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	124206	18.944	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	126120	18.662	ug/l	99
89) n-Butylbenzene	12.39	91	194718	19.930	ug/l	99
90) Hexachloroethane	12.60	117	30946	16.641	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	128211	18.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15555	17.315	ug/l	99

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Manual Integrations
APPROVED

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Quant Time: Jun 15 03:34:11 2018
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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	92203	19.384	ug/l	99
94) Hexachlorobutadiene	13.79	225	48882	20.796	ug/l	97
95) Naphthalene	13.84	128	264726	19.370	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	93489	19.272	ug/l	100

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

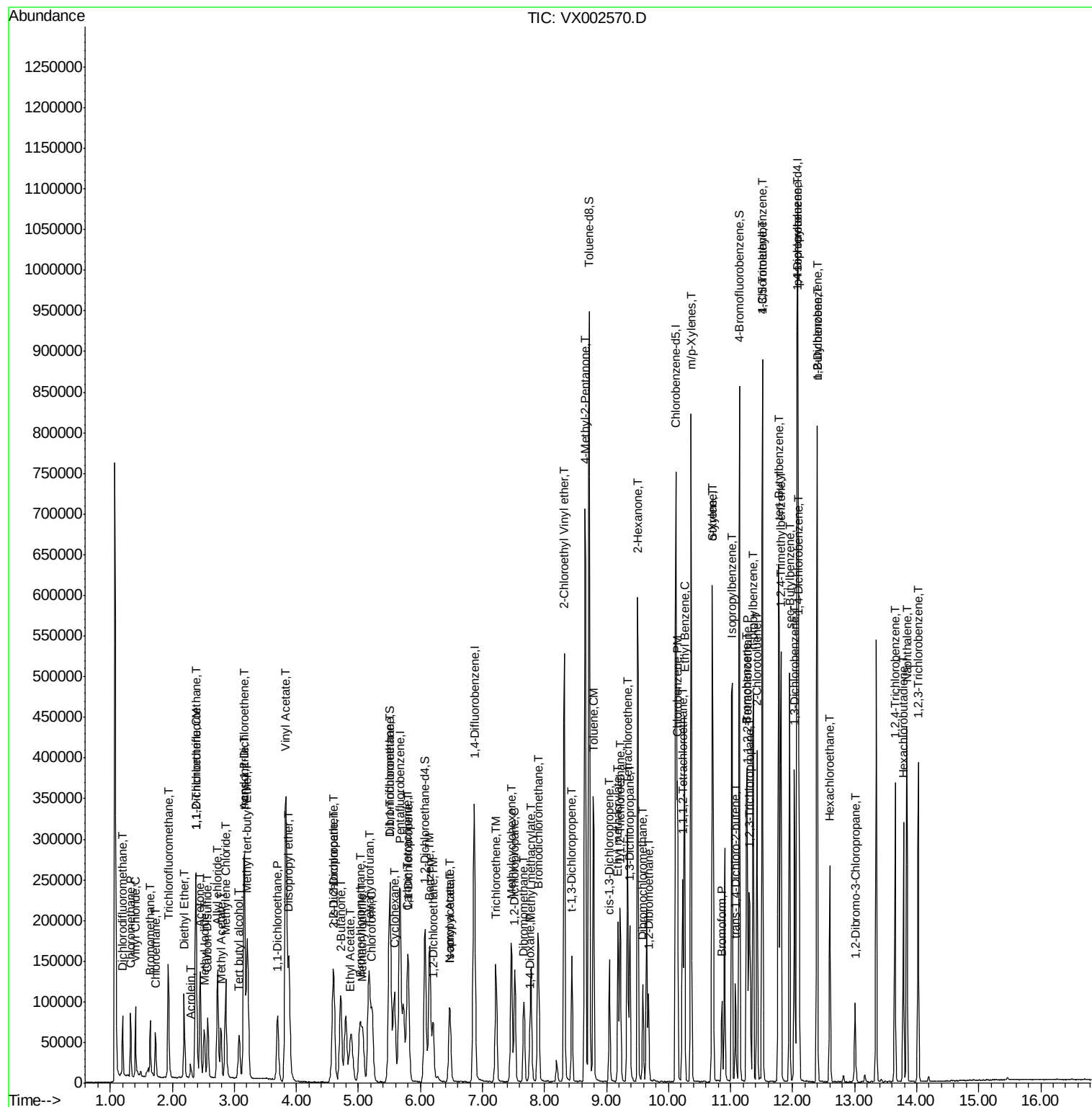
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 Data File : VX002570.D
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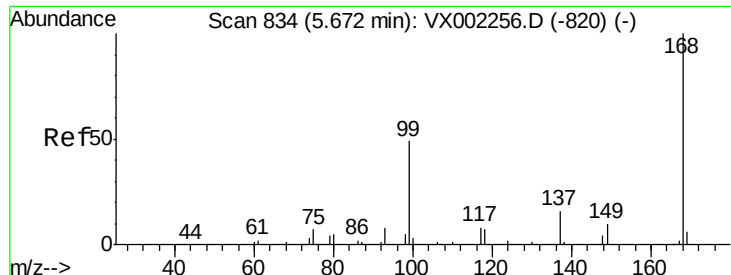
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0614WBSD02

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion:168 Resp: 238492

Ion Ratio Lower Upper

168 100

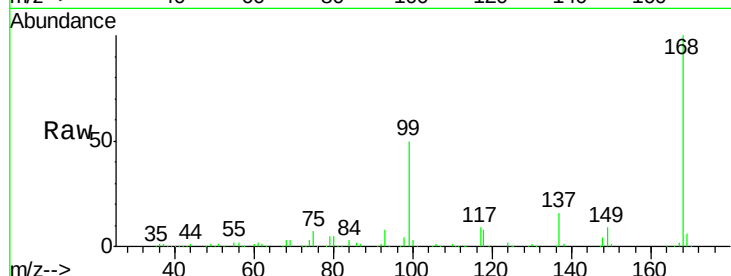
99 50.2 39.3 58.9

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

5.67

80000

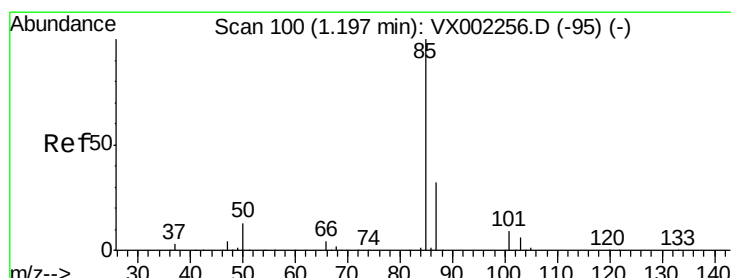
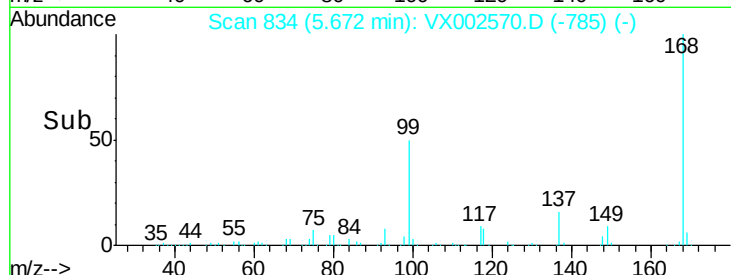
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.315 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002570.D

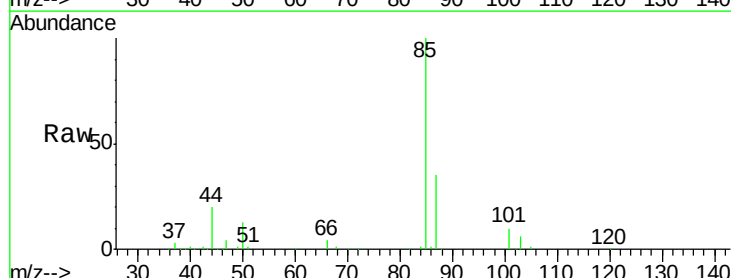
Acq: 15 Jun 2018 00:17

Tgt Ion: 85 Resp: 37969

Ion Ratio Lower Upper

85 100

87 34.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

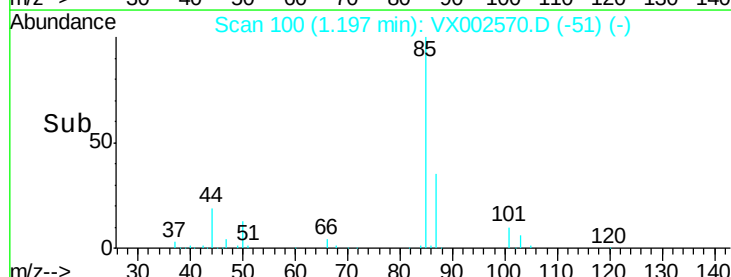
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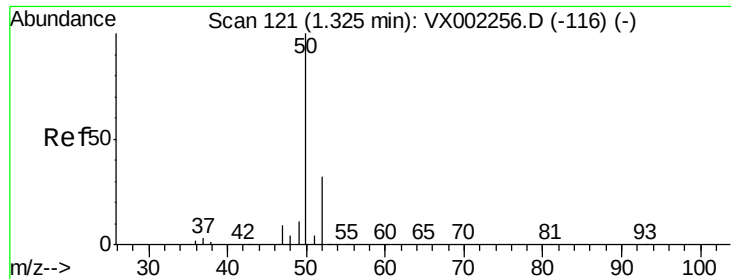
20000

10000

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Time-->





#3

Chloromethane

Concen: 14.221 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion: 50 Resp: 46235

Ion Ratio Lower Upper

50 100

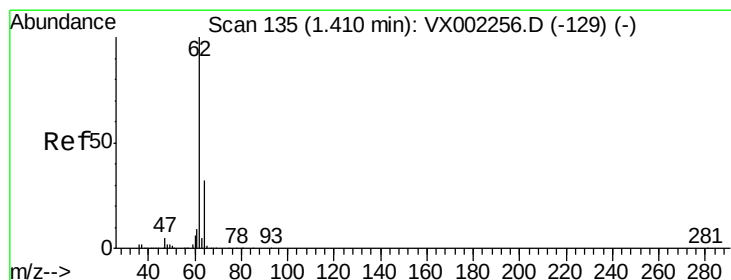
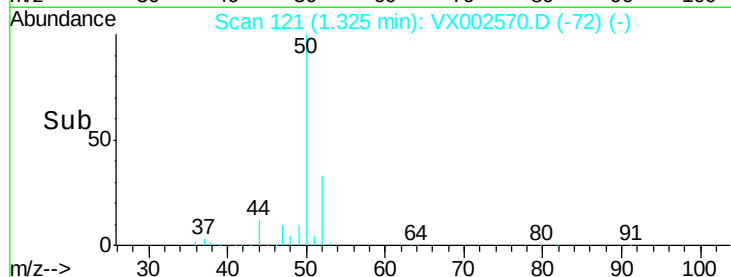
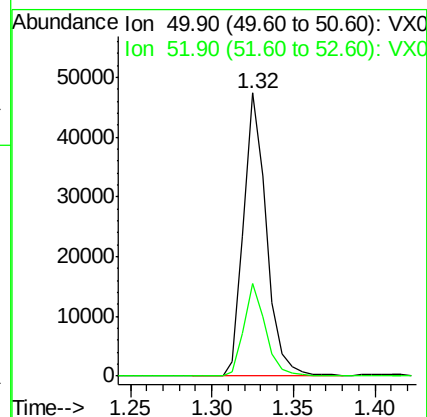
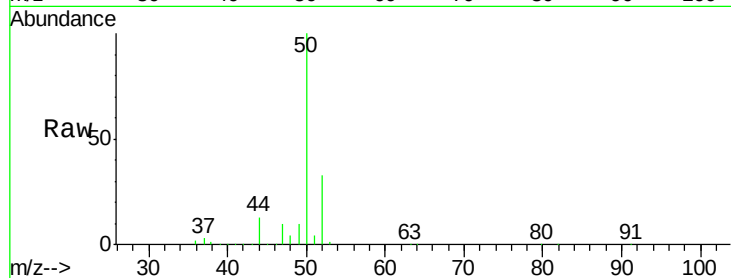
52 32.7 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.524 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX002570.D

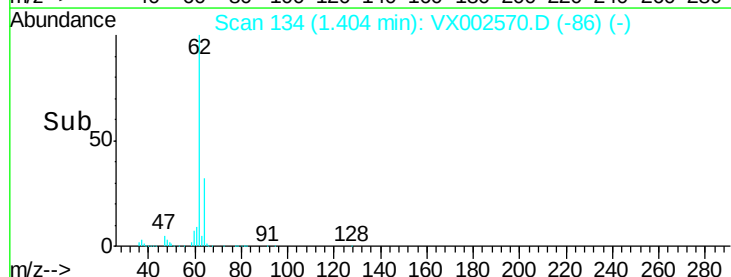
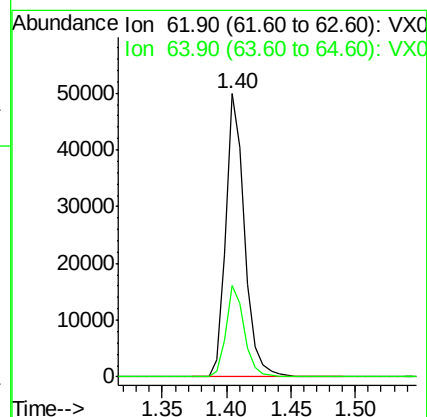
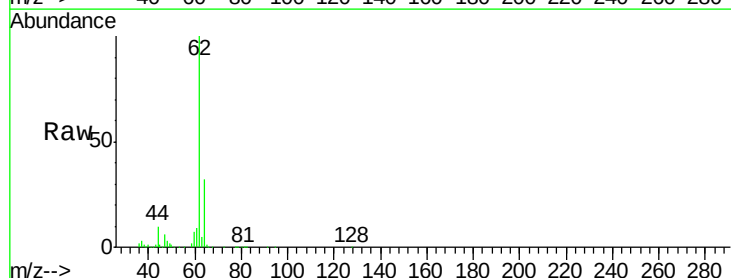
Acq: 15 Jun 2018 00:17

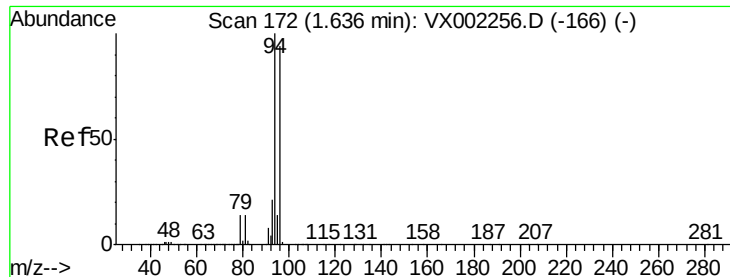
Tgt Ion: 62 Resp: 51629

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 14.679 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion: 94 Resp: 30125

Ion Ratio Lower Upper

94 100

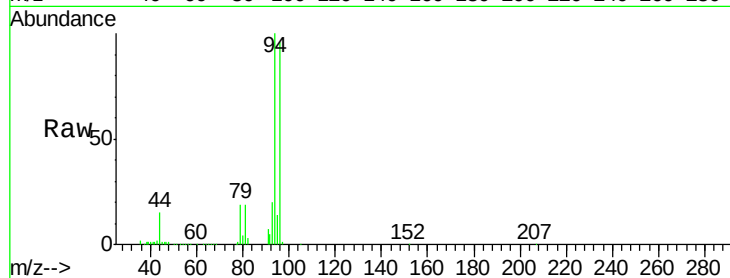
96 96.6 74.9 112.3

Manual Integrations

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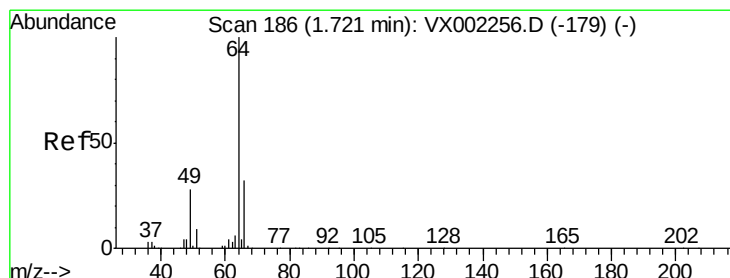
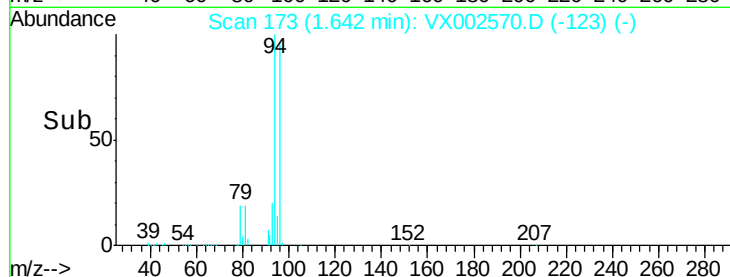
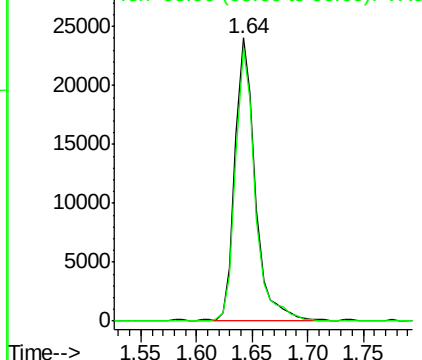
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.179 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002570.D

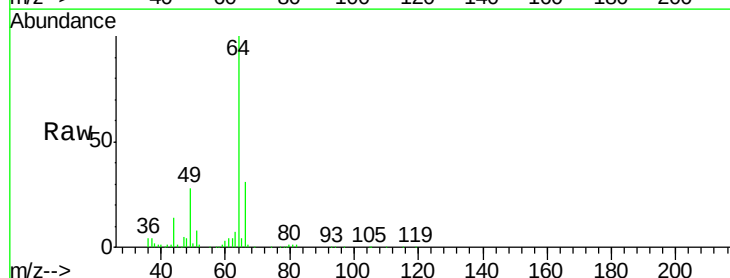
Acq: 15 Jun 2018 00:17

Tgt Ion: 64 Resp: 34721

Ion Ratio Lower Upper

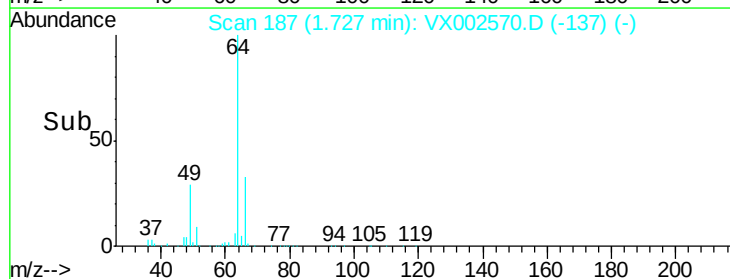
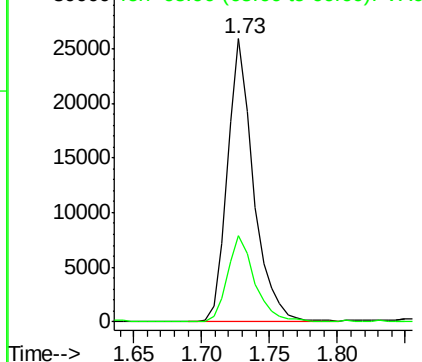
64 100

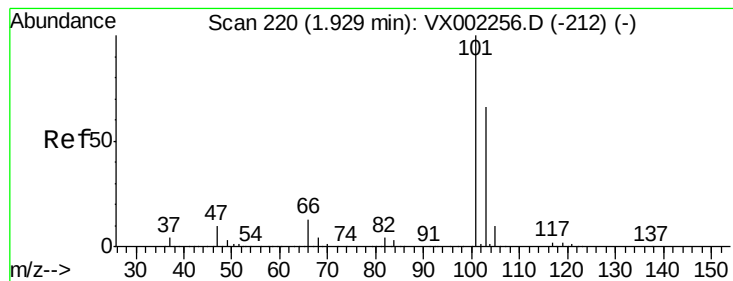
66 30.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

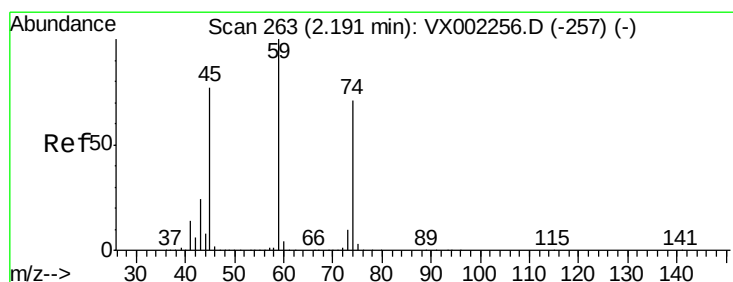
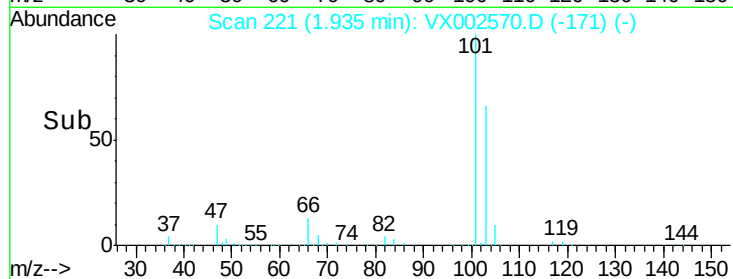
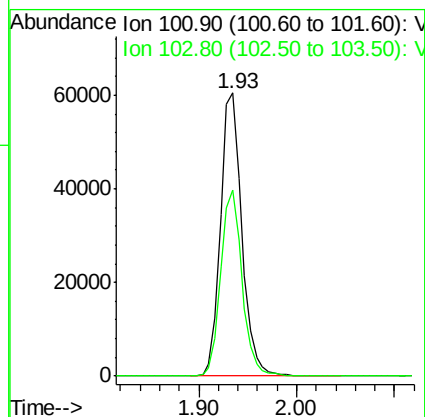
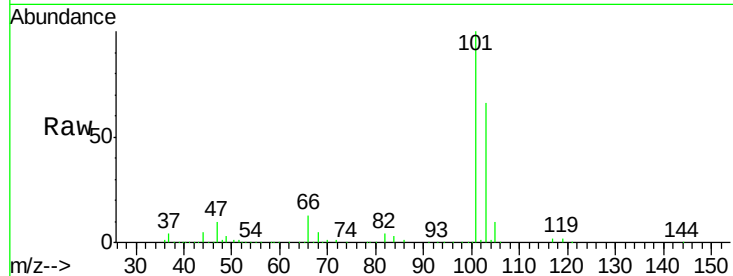
Trichlorofluoromethane
Concen: 19.237 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion:101 Resp: 91581
Ion Ratio Lower Upper
101 100
103 65.9 52.8 79.2

Manual Integrations
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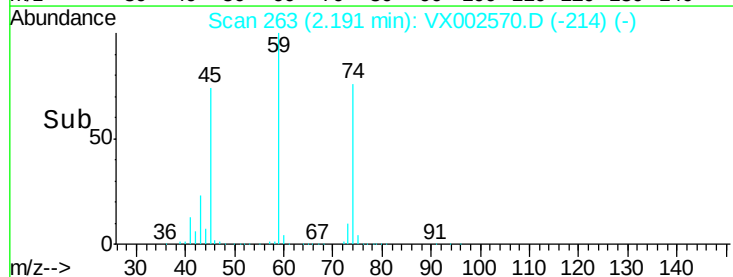
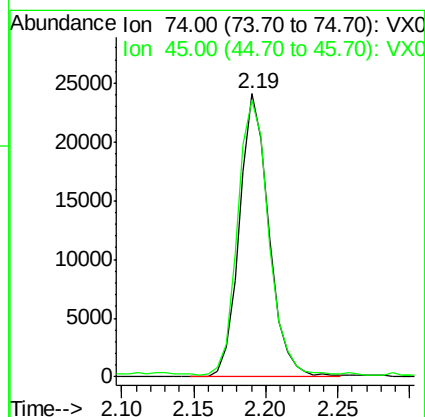
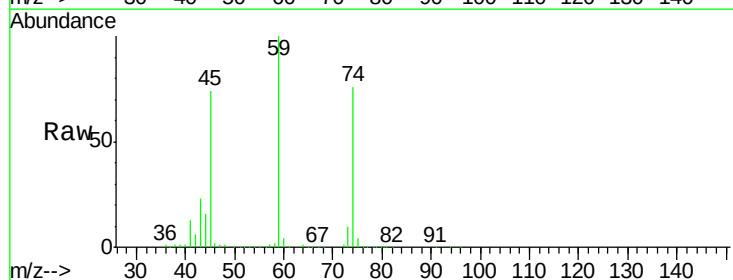
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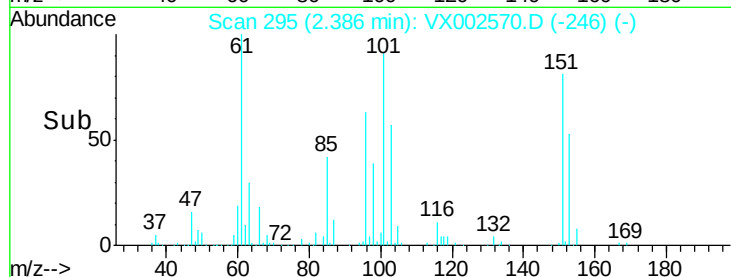
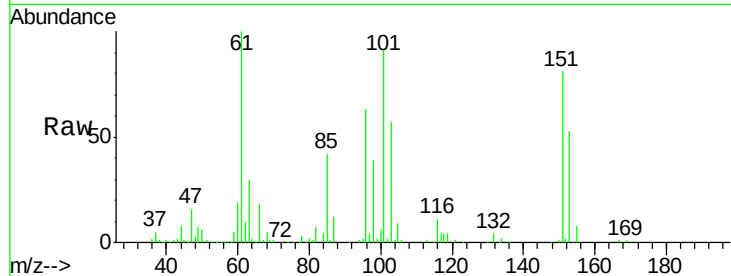
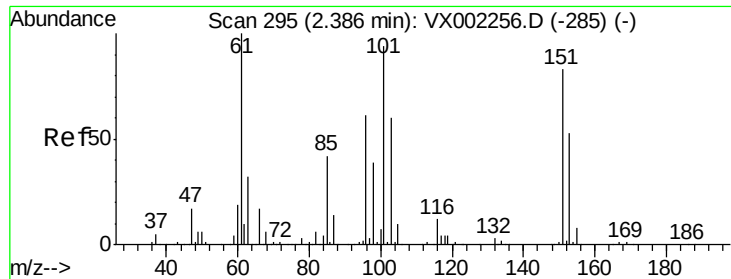


#8

Diethyl Ether
Concen: 18.781 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion: 74 Resp: 34304
Ion Ratio Lower Upper
74 100
45 102.2 53.1 159.4





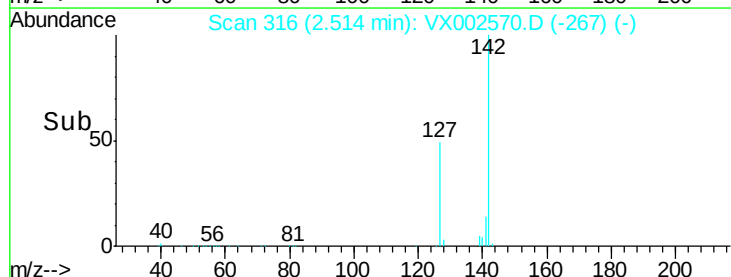
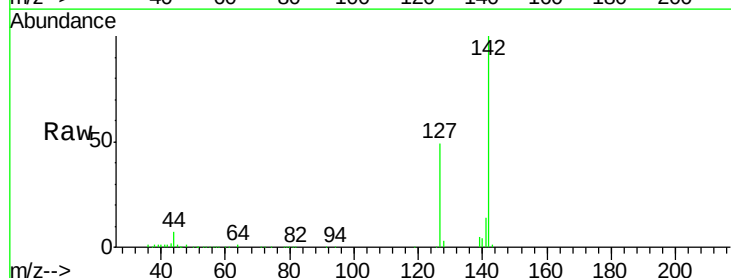
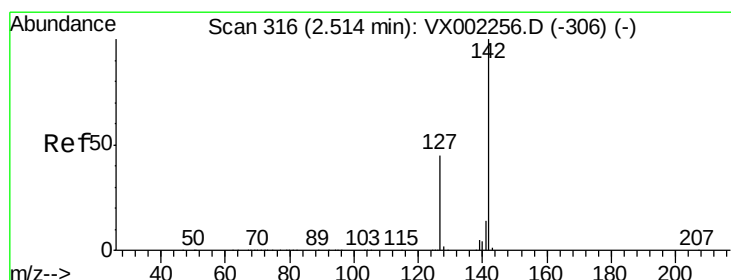
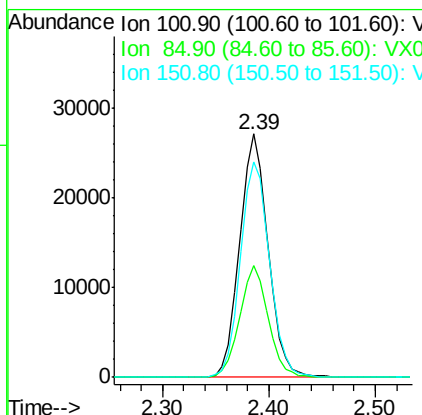
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.840 ug/l
RT: 2.39 min Scan# 295
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.0	54.0
151	90.6	70.9	106.3

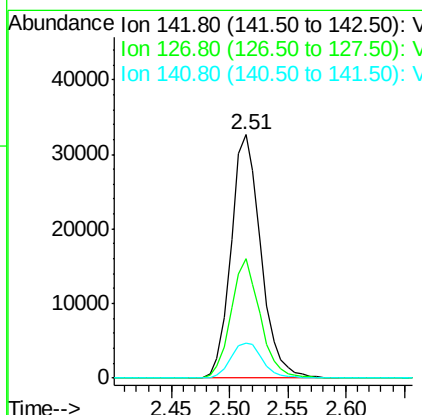
Manual Integrations
APPROVED

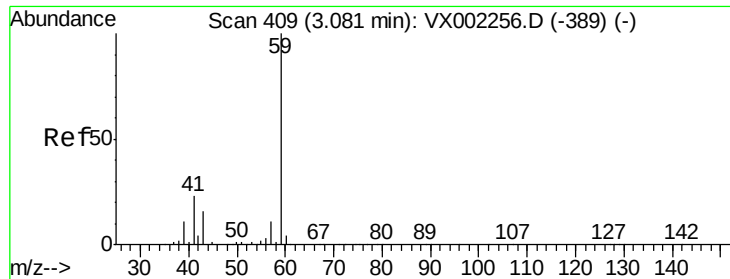
MMDadoda
6/15/2018 1:11:57 PM



#10
Methyl Iodide
Concen: 16.114 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.8	36.6	55.0
141	15.3	11.3	16.9





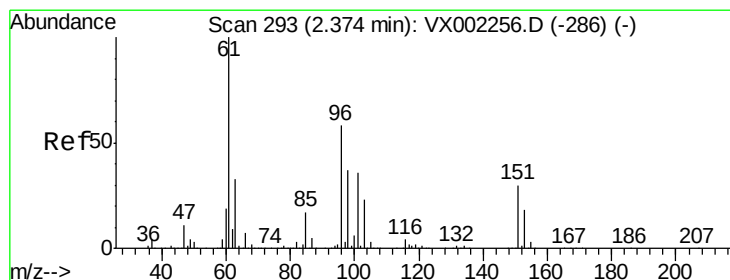
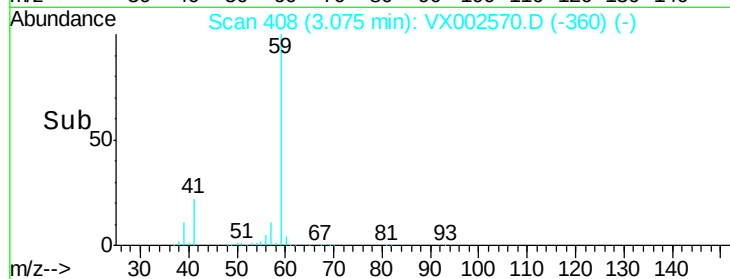
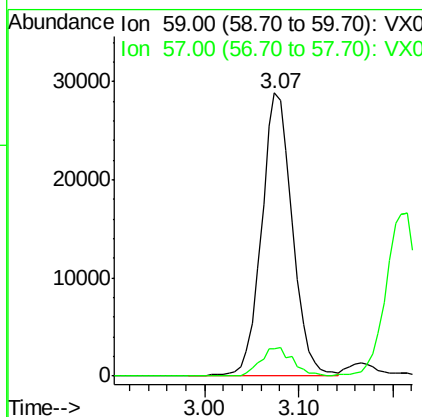
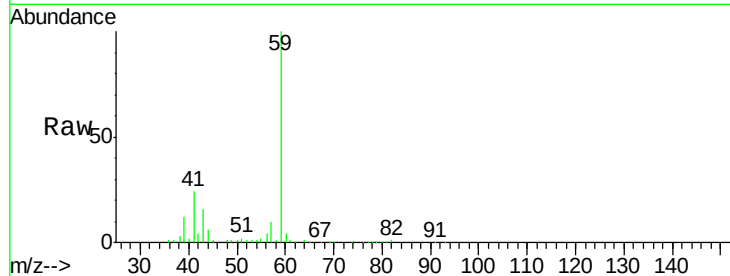
#11
Tert butyl alcohol
Concen: 81.286 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	59	Resp	66151
Ion Ratio	100	Lower	Upper
57	10.9	8.2	12.2

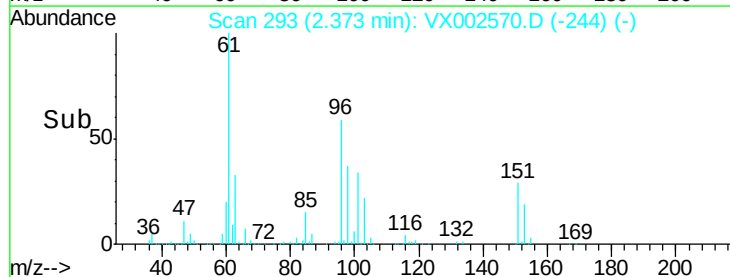
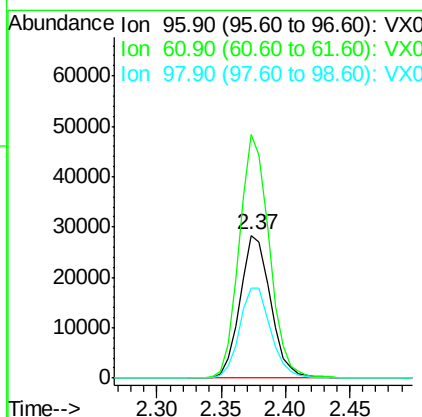
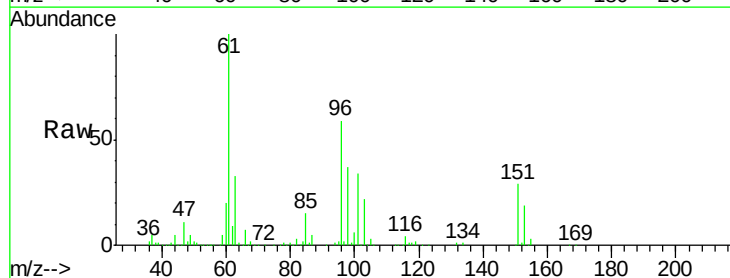
Manual Integrations
APPROVED

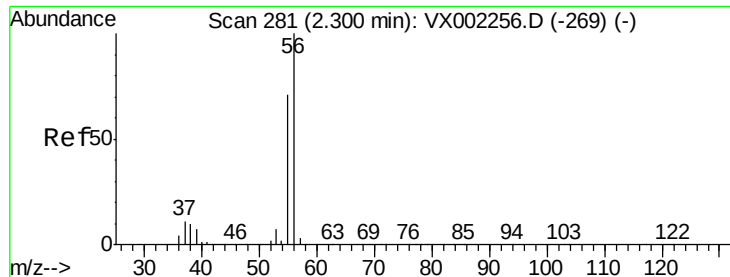
MMDadoda
6/15/2018 1:11:57 PM



#12
1,1-Dichloroethene
Concen: 18.285 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	96	Resp	46425
Ion Ratio	100	Lower	Upper
61	170.6	137.9	206.9
98	62.7	51.6	77.4





#13

Acrolein

Concen: 28.018 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion: 56 Resp: 12421

Ion Ratio Lower Upper

56 100

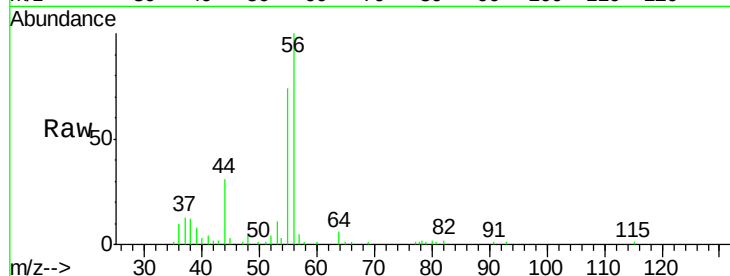
55 71.8 57.0 85.4

Manual Integrations

APPROVED

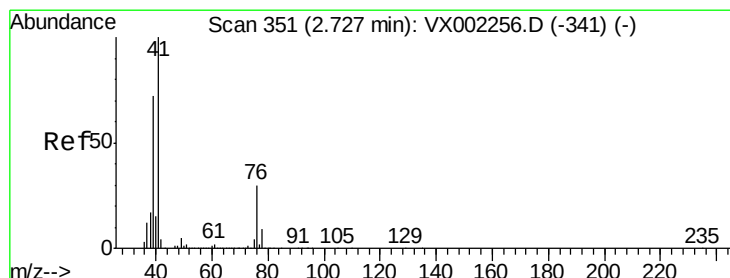
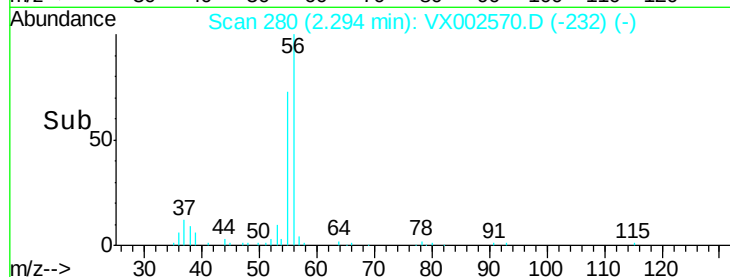
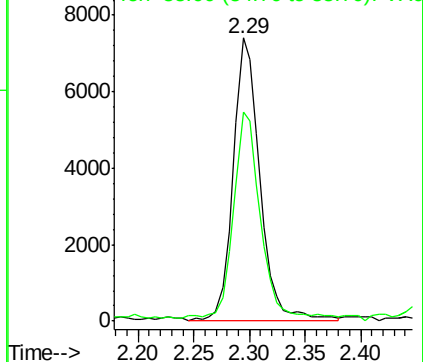
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 16.276 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

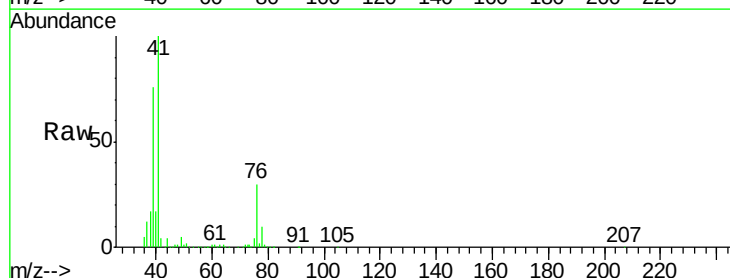
Tgt Ion: 41 Resp: 89676

Ion Ratio Lower Upper

41 100

39 73.1 56.8 85.2

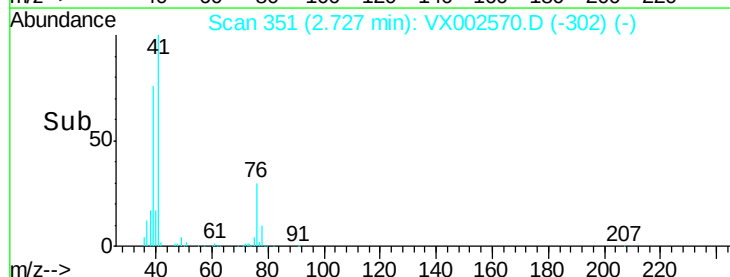
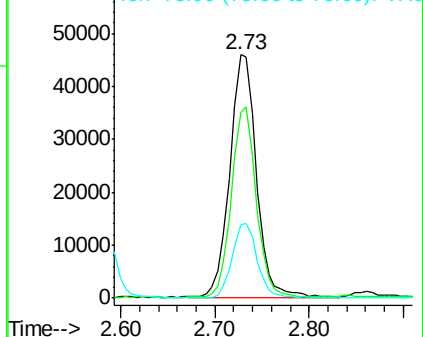
76 29.4 23.8 35.8

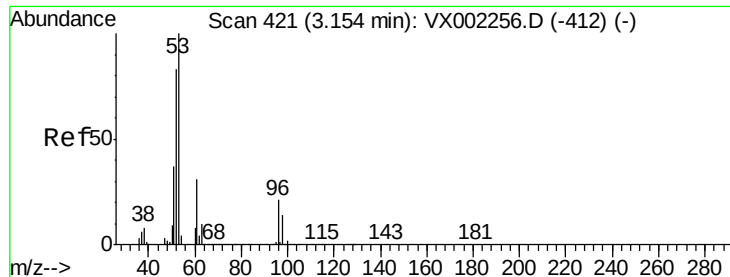


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 97.302 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

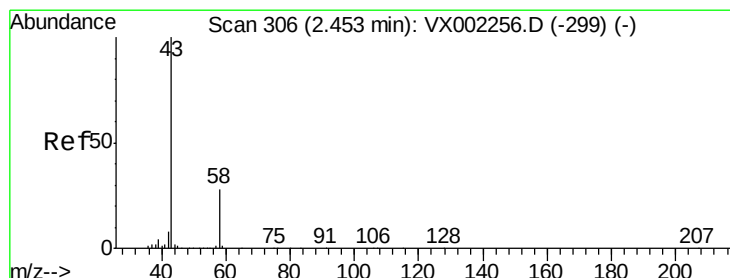
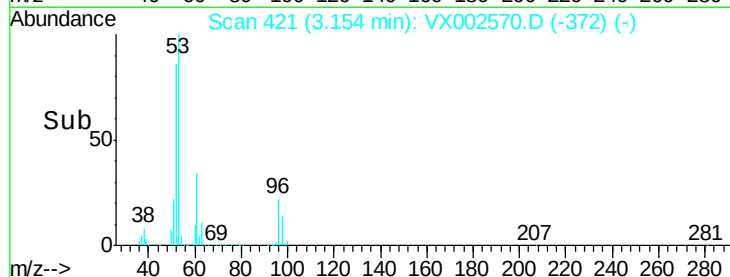
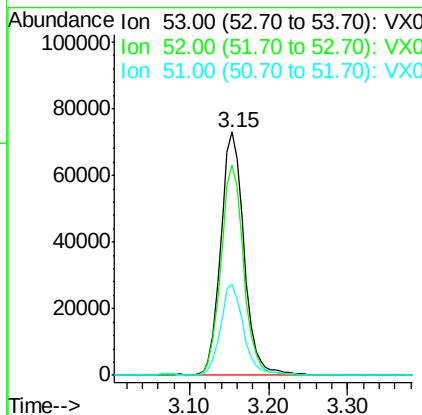
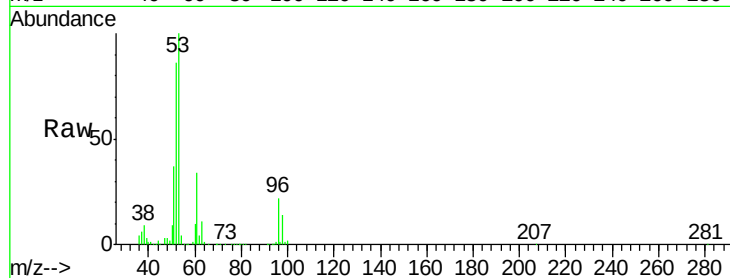
ClientSampleId :

VX0614WBSD02

Tot Ion:	53	Resp:	149819
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.7	100.1
51	37.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 81.660 ug/l

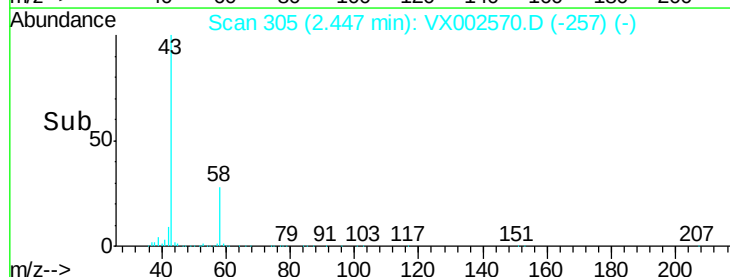
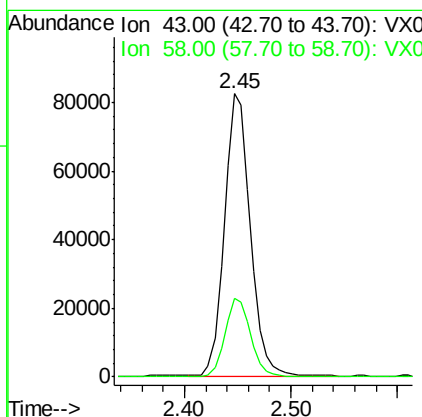
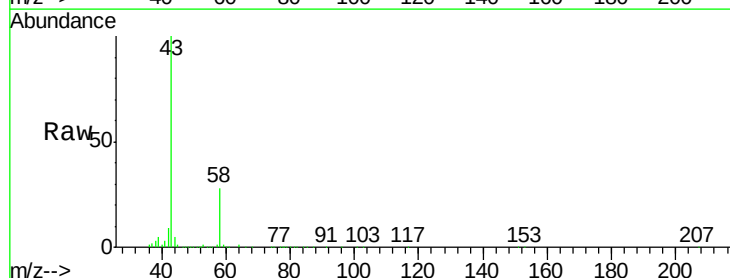
RT: 2.45 min Scan# 305

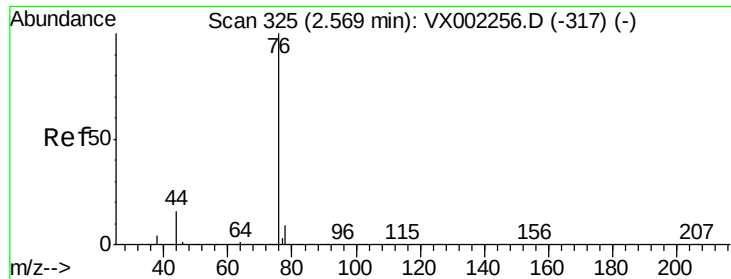
Delta R.T. -0.01 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Tgt Ion:	43	Resp:	138708
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.1	33.1





#17

Carbon Disulfide

Concen: 13.588 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion: 76 Resp: 90928

Ion Ratio Lower Upper

76 100

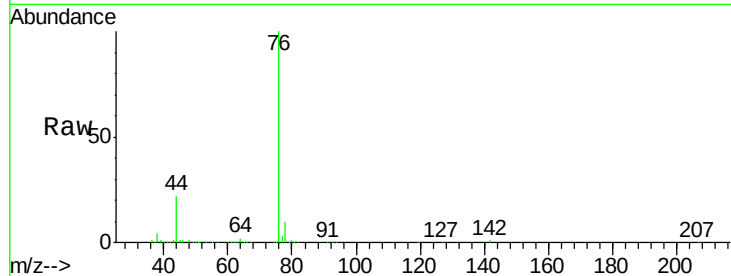
78 9.9 6.9 10.3

Manual Integrations

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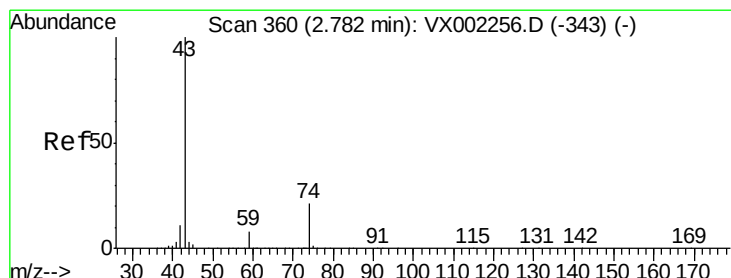
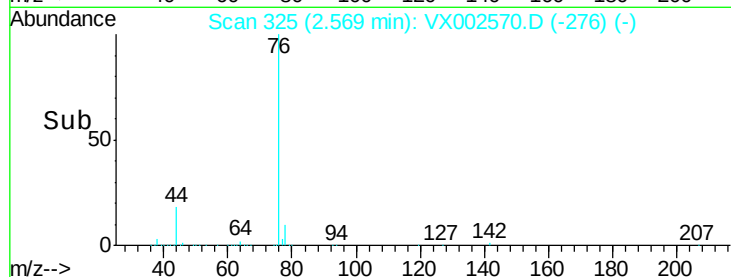
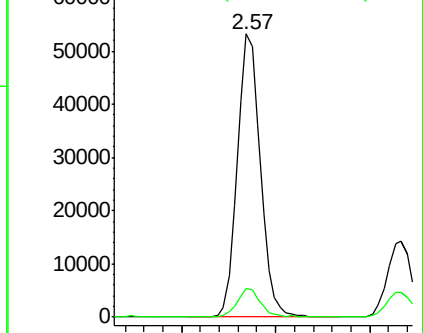
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.037 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002570.D

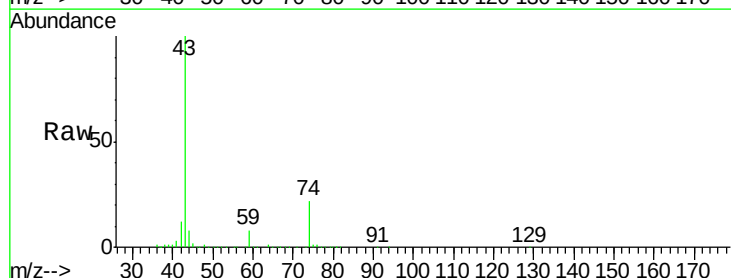
Acq: 15 Jun 2018 00:17

Tgt Ion: 43 Resp: 73984

Ion Ratio Lower Upper

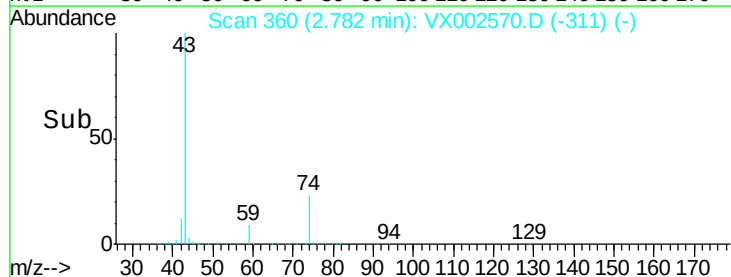
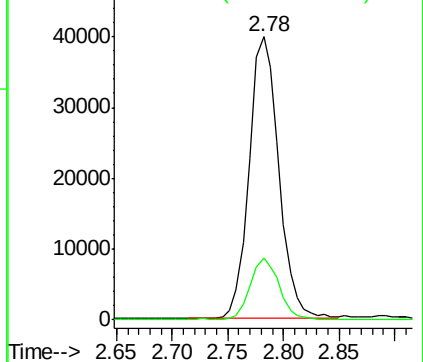
43 100

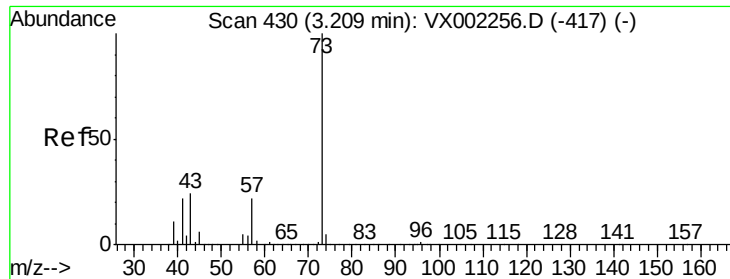
74 21.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

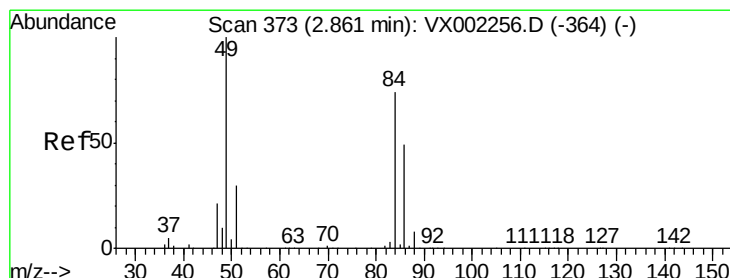
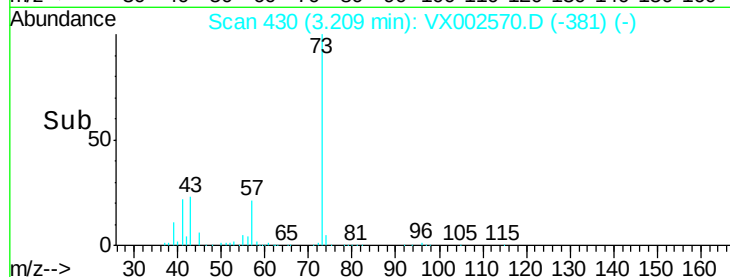
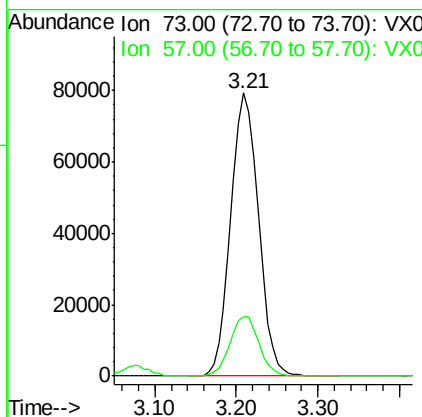
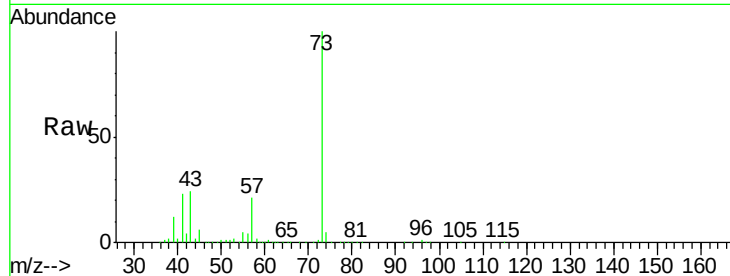
Methyl tert-butyl Ether
 Concen: 19.654 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5

Manual Integrations
 APPROVED

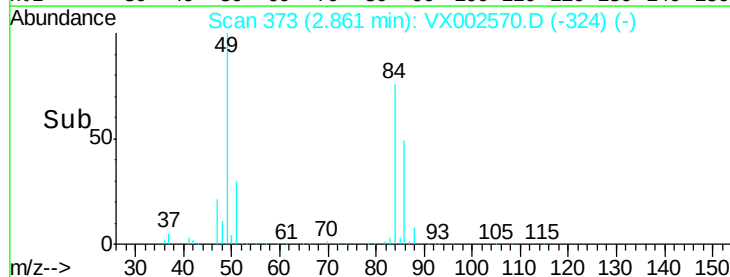
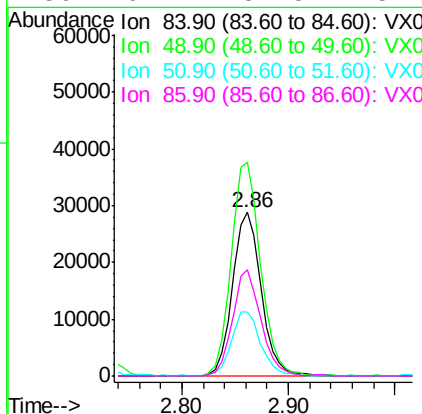
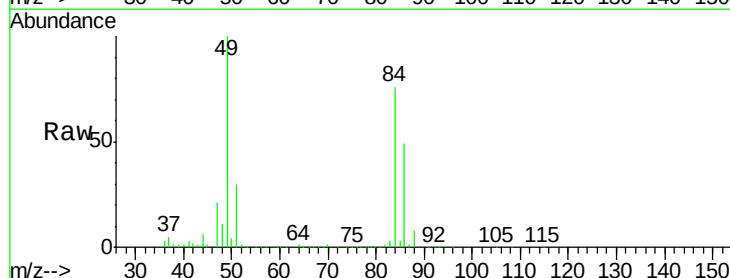
MMDadoda
 6/15/2018 1:11:57 PM

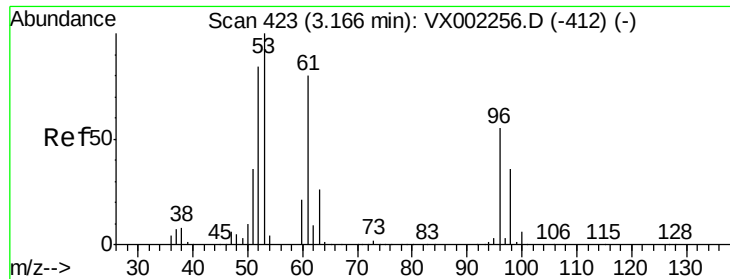


#20

Methylene Chloride
 Concen: 18.448 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	107.8	161.6
51	39.2	32.8	49.2
86	64.7	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 17.694 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

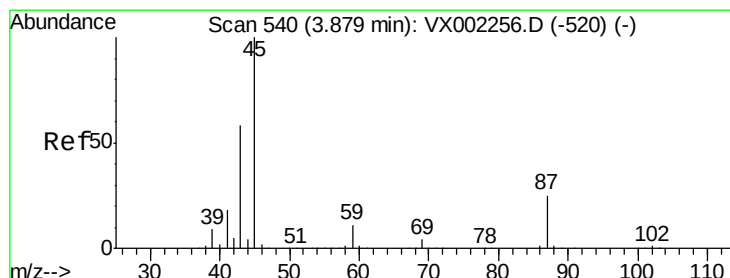
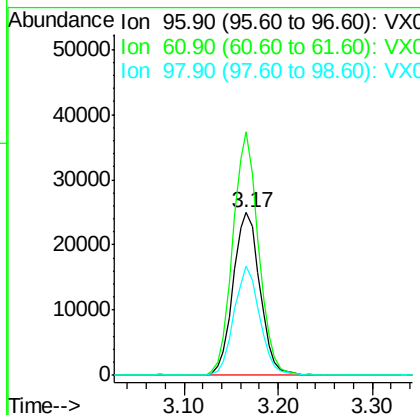
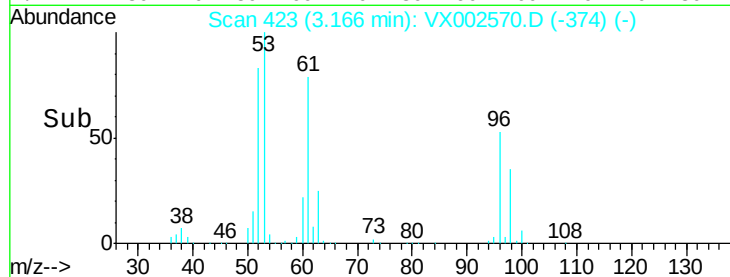
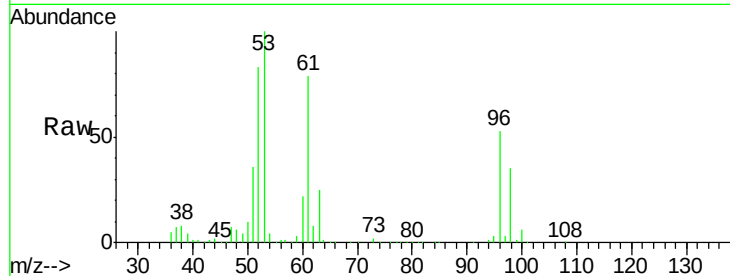
ClientSampleId :

VX0614WBSD02

Tot Ion:	96	Resp:	49540
Ion	Ratio	Lower	Upper
96	100		
61	149.6	117.0	175.4
98	66.7	52.4	78.6

Manual Integrations
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6/15/2018 1:11:57 PM



#22

Diisopropyl ether

Concen: 17.525 ug/l

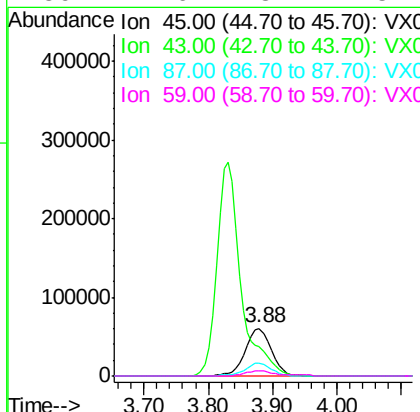
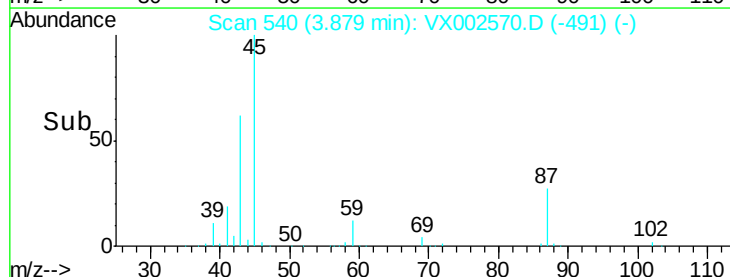
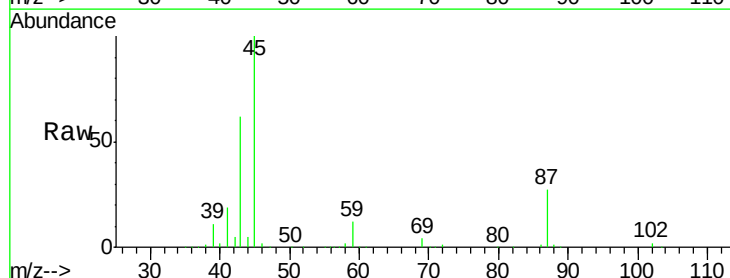
RT: 3.88 min Scan# 540

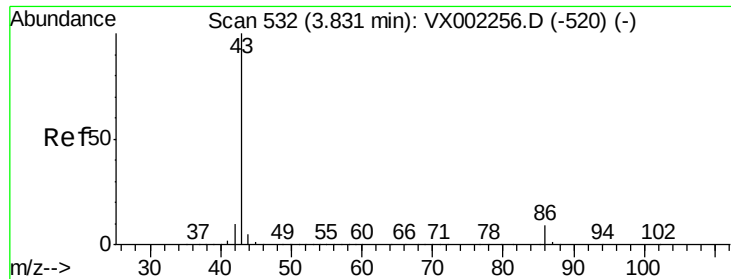
Delta R.T. 0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Tgt Ion:	45	Resp:	170202
Ion	Ratio	Lower	Upper
45	100		
43	61.5	46.8	70.2
87	27.0	20.2	30.4
59	11.6	8.7	13.1





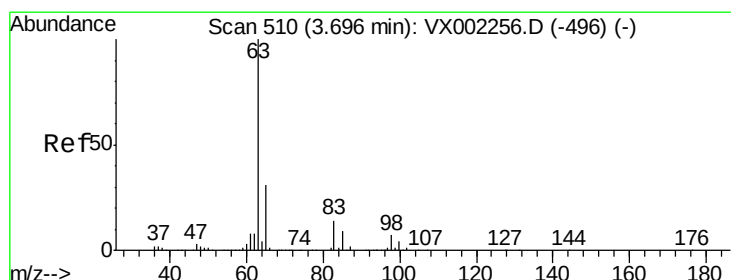
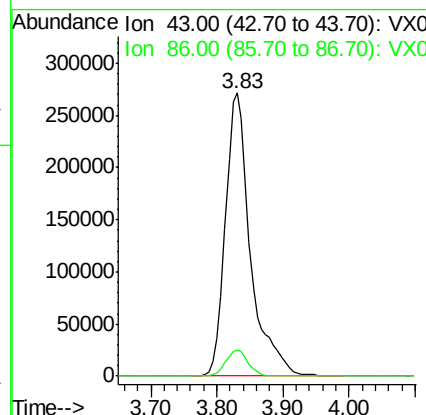
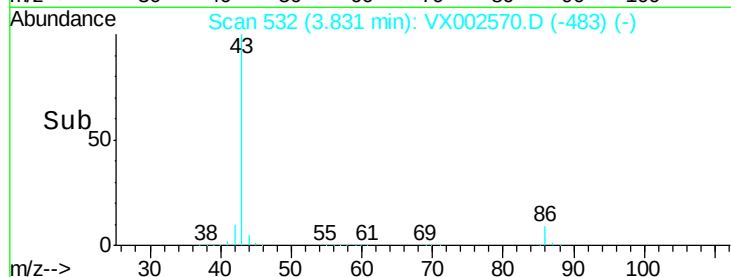
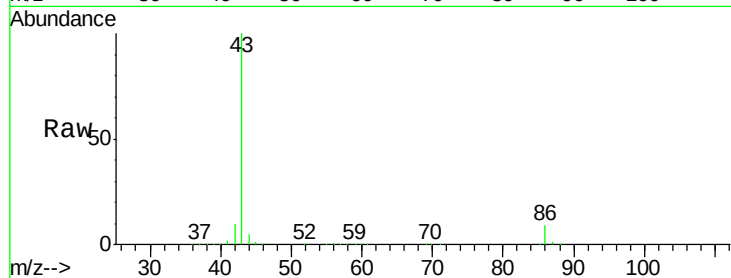
#23
 Vinyl Acetate
 Concen: 79.769 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.4	11.0

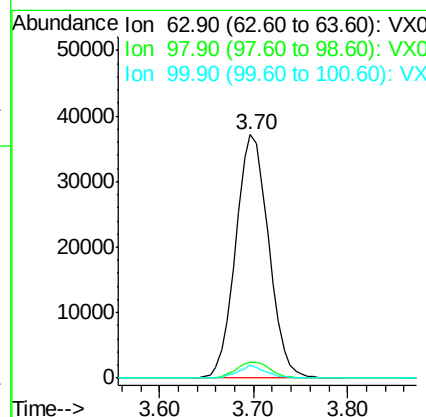
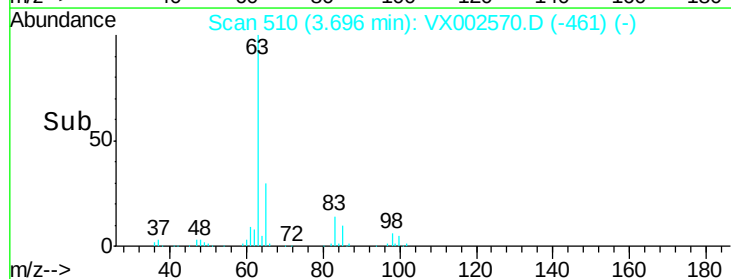
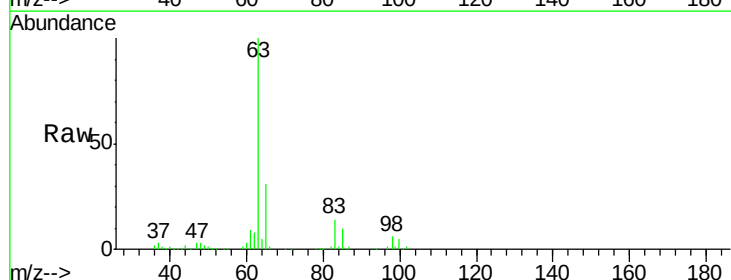
Manual Integrations
 APPROVED

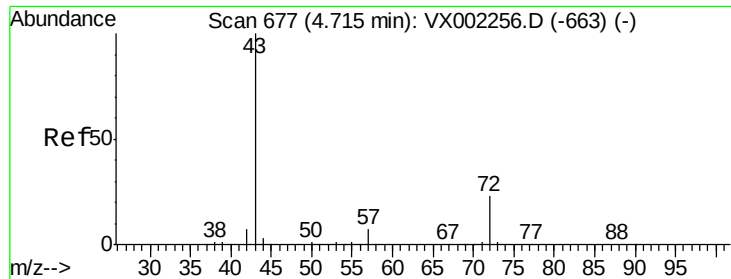
MMDadoda
 6/15/2018 1:11:57 PM



#24
 1,1-Dichloroethane
 Concen: 16.635 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.2
100	5.2	2.0	6.0





#25

2-Butanone

Concen: 82.177 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion: 43 Resp: 192163

Ion Ratio Lower Upper

43 100

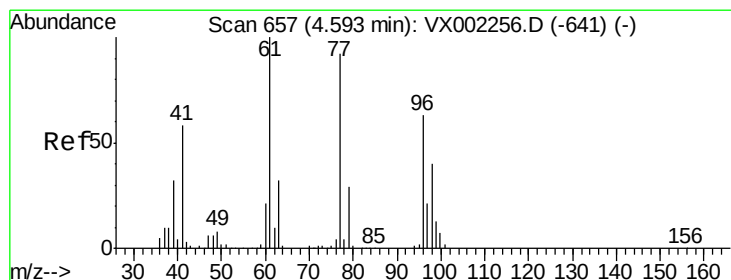
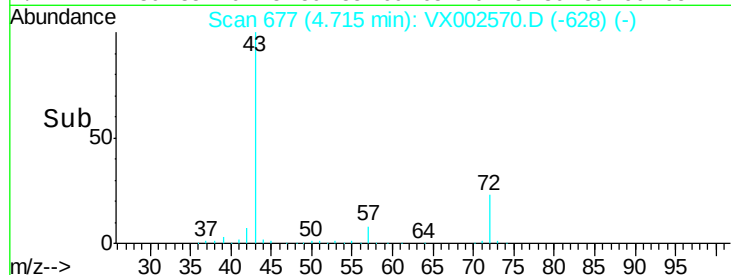
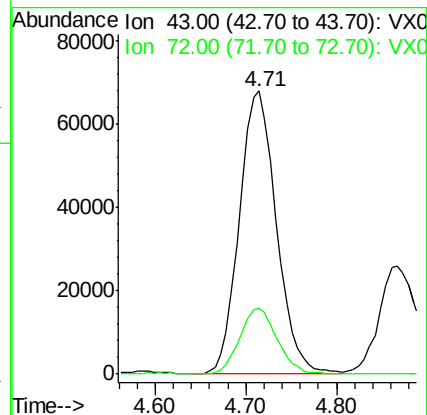
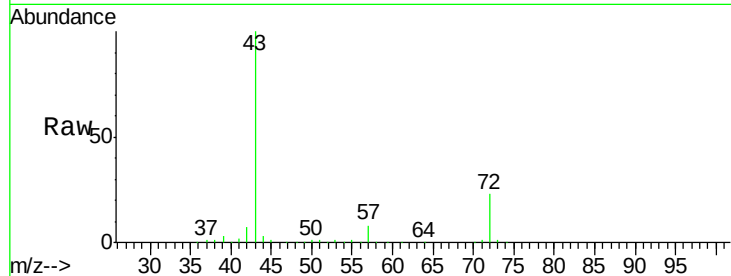
72 23.4 18.5 27.7

Manual Integrations

APPROVED

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6/15/2018 1:11:57 PM



#26

2,2-Dichloropropane

Concen: 12.458 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002570.D

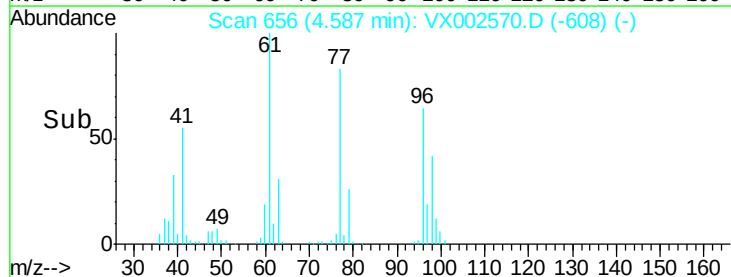
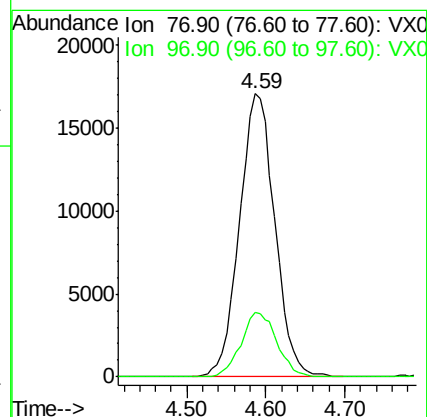
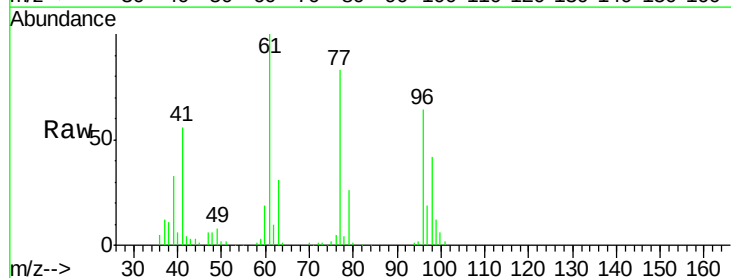
Acq: 15 Jun 2018 00:17

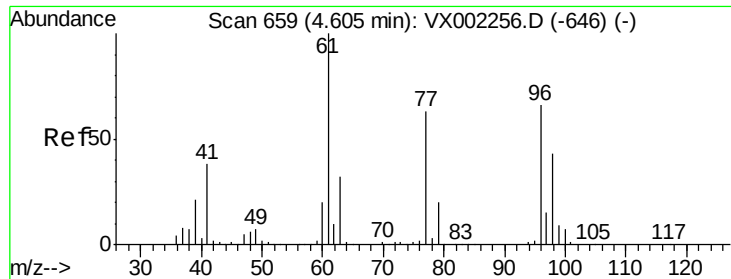
Tgt Ion: 77 Resp: 53031

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.5





#27

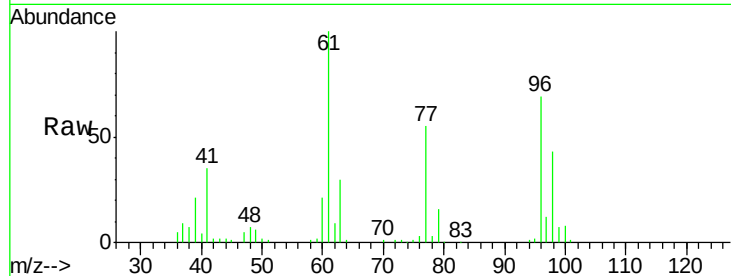
cis-1,2-Dichloroethene
Concen: 17.406 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

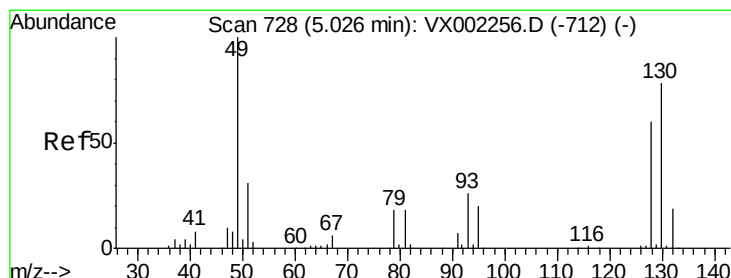
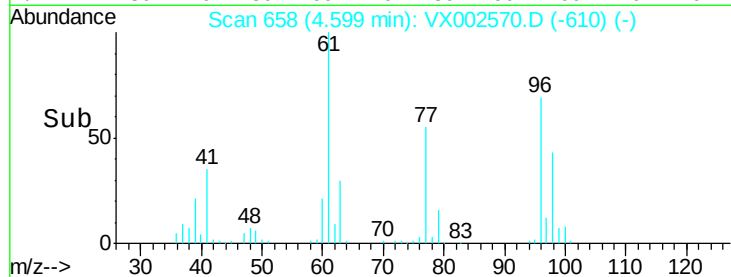
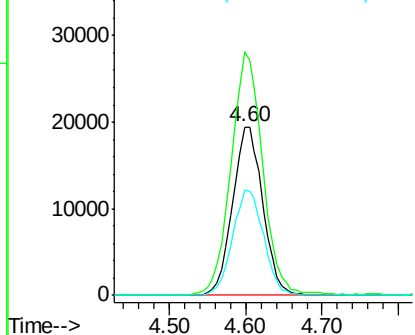
Tot Ion	Ratio	Resp	Lower	Upper
96	100	52998		
61	152.2		0.0	330.2
98	64.4		0.0	130.2

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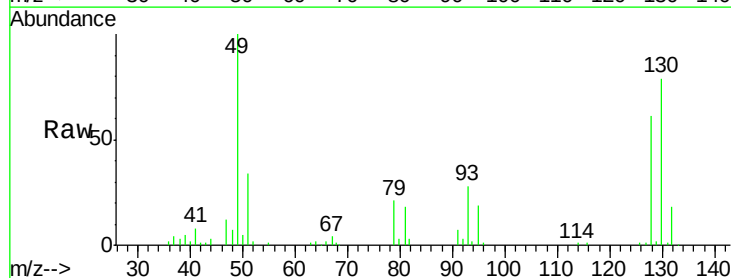
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



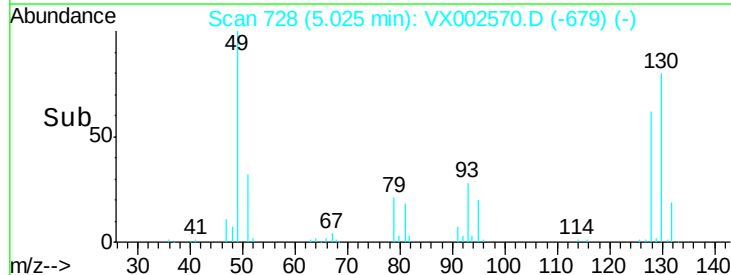
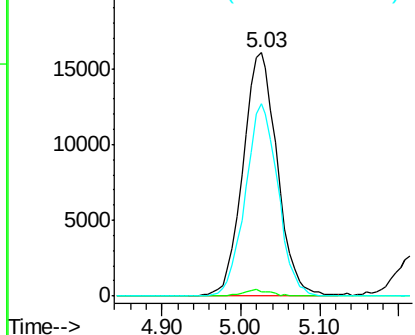
#28

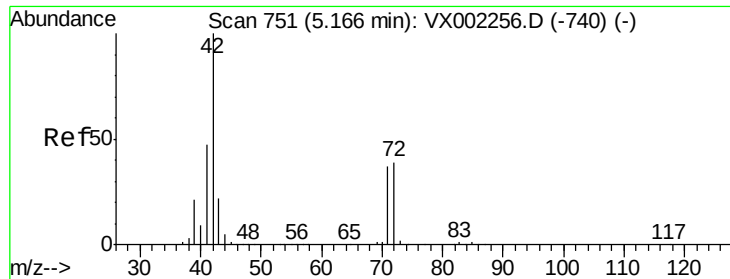
Bromochloromethane
Concen: 18.624 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48309		
129	2.1		0.0	4.2
130	75.4		61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





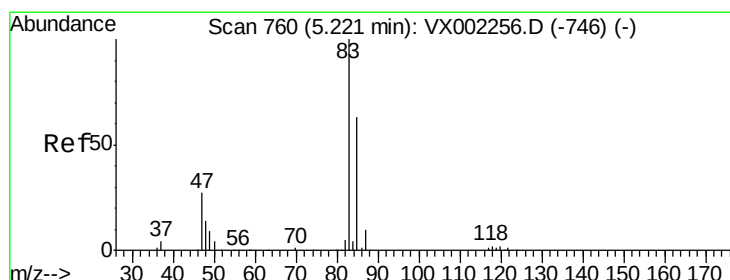
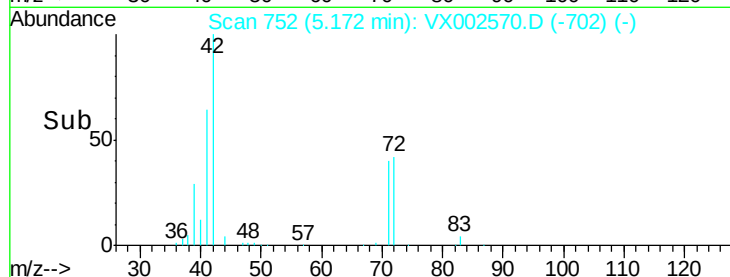
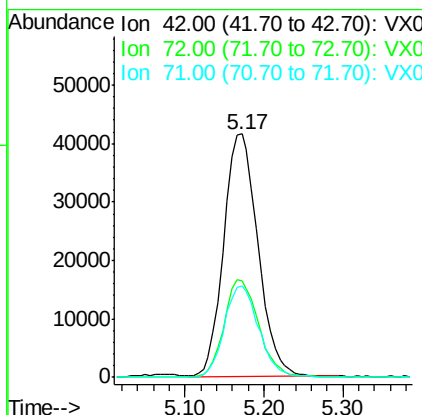
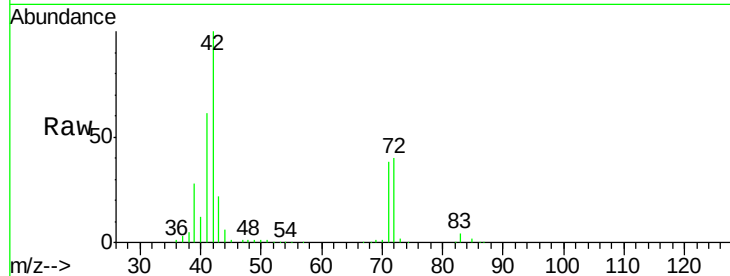
#29
Tetrahydrofuran
Concen: 83.667 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	37.9	30.1	45.1

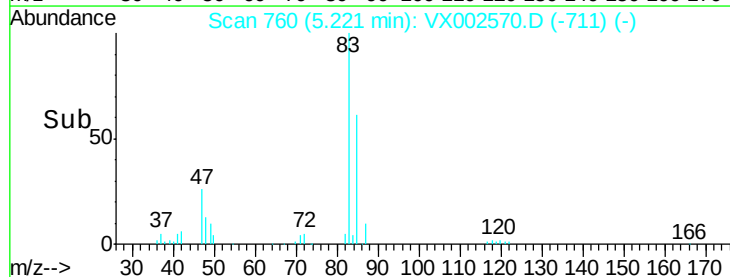
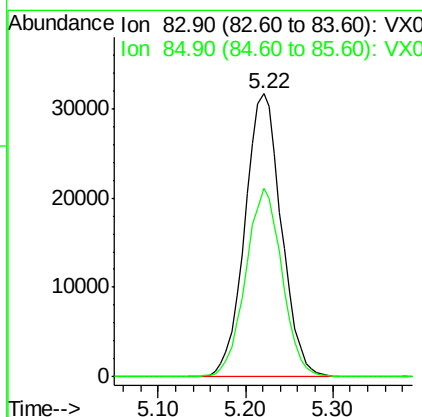
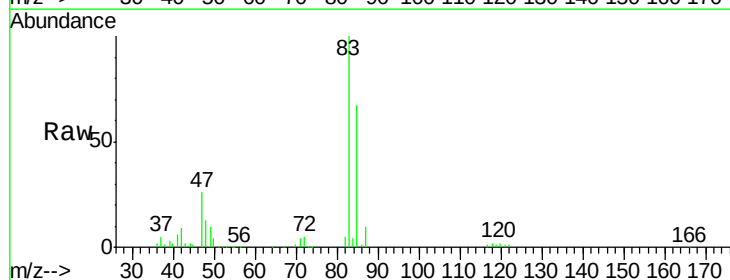
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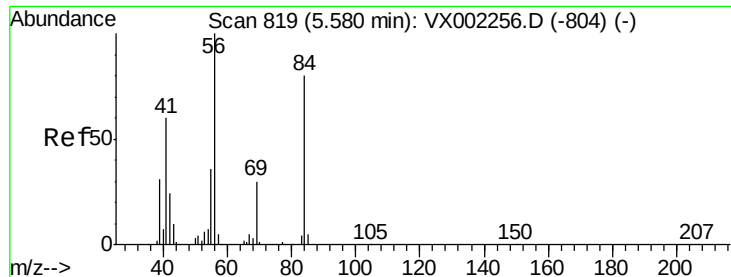
MMDadoda
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#30
Chloroform
Concen: 17.494 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.4	75.6





#31

Cyclohexane

Concen: 16.671 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

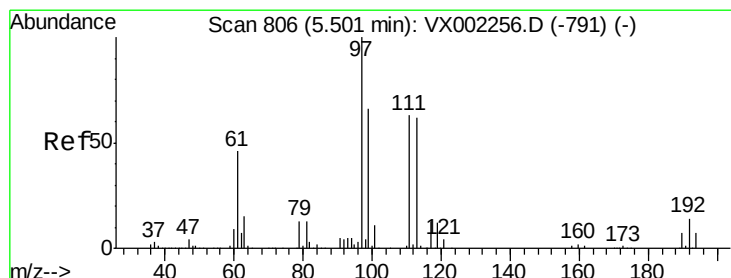
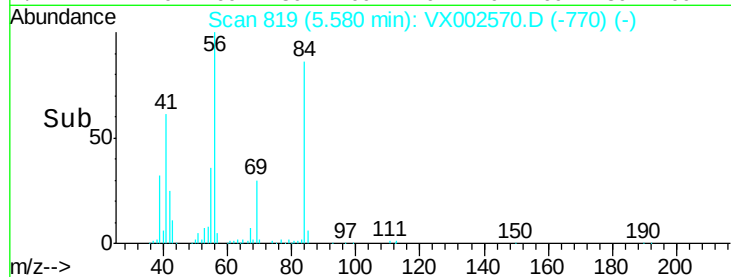
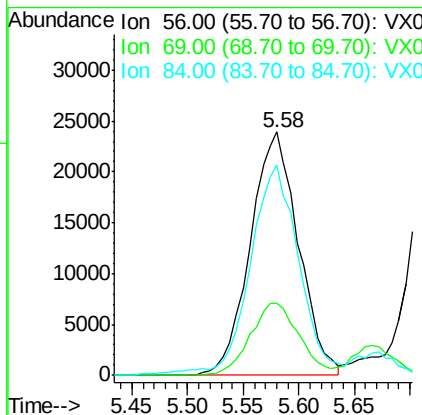
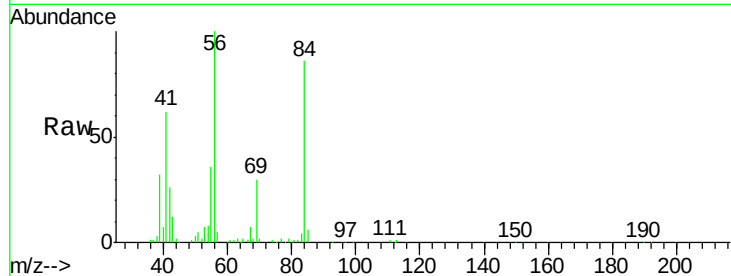
ClientSampleId :

VX0614WBSD02

Tot Ion:	56	Resp:	71788
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.7	35.5
84	84.4	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 17.316 ug/l

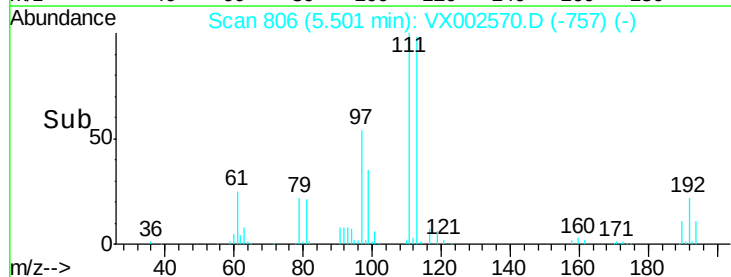
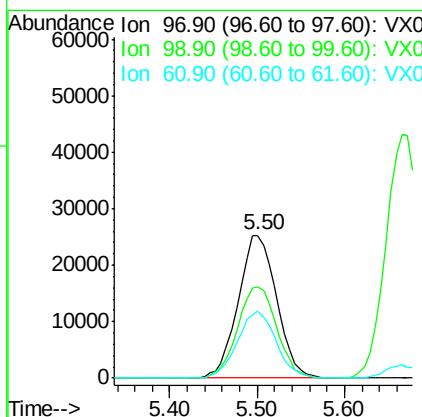
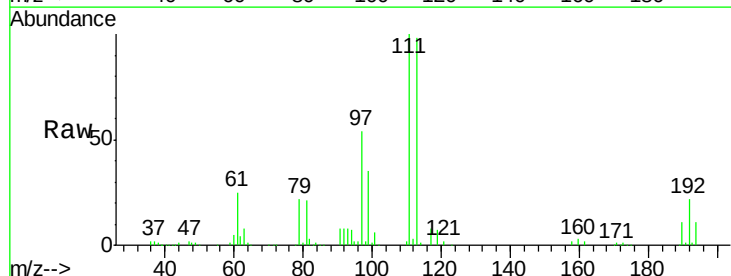
RT: 5.50 min Scan# 806

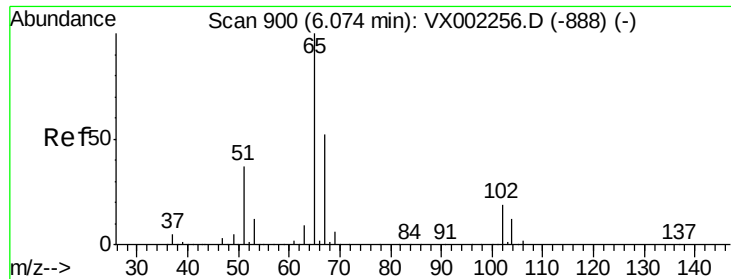
Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Tgt Ion:	97	Resp:	77171
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	47.3	36.4	54.6





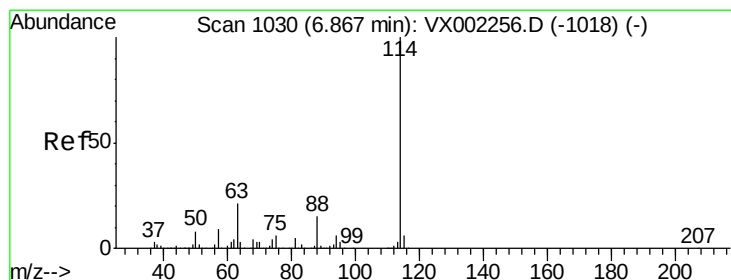
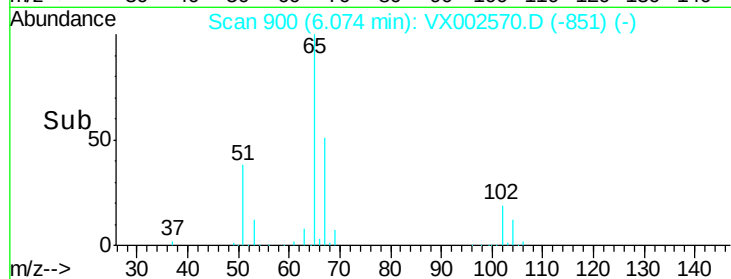
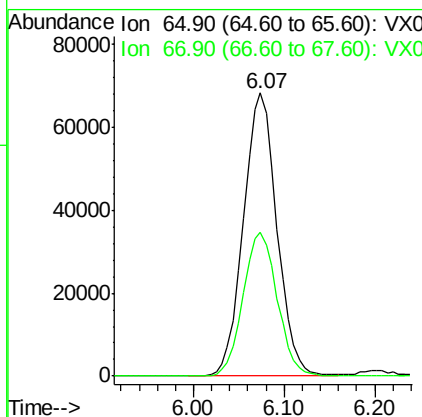
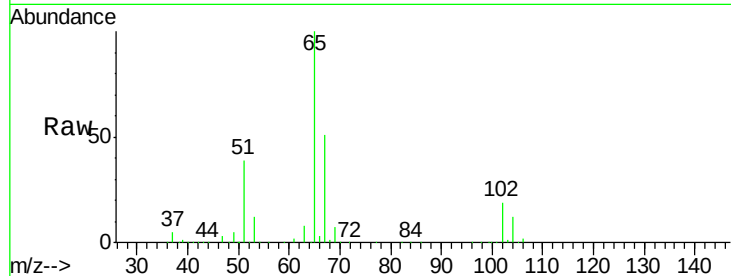
#33
 1,2-Dichloroethane-d4
 Concen: 51.235 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.6

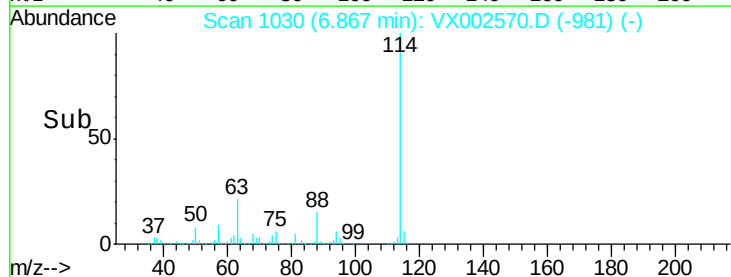
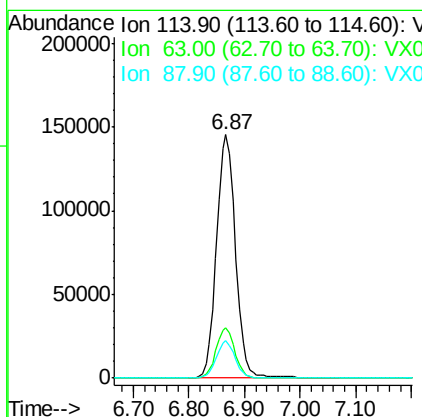
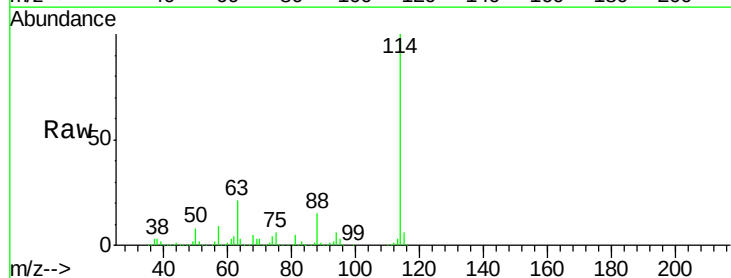
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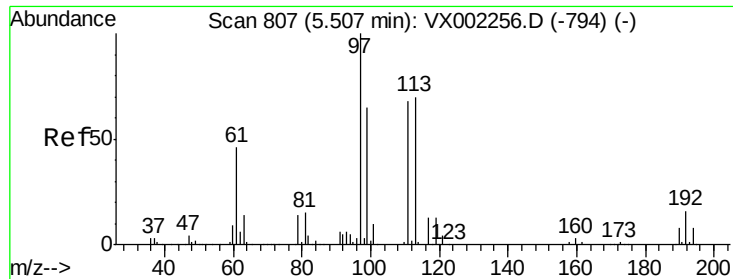
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.4
88	15.4	0.0	30.0





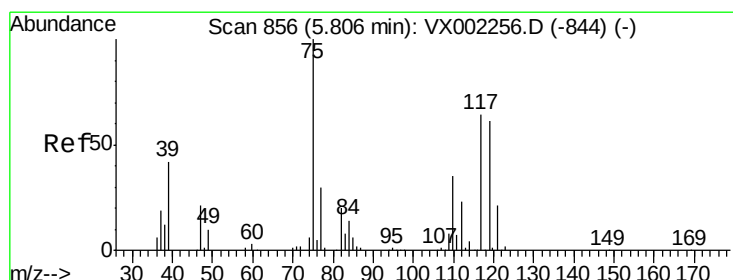
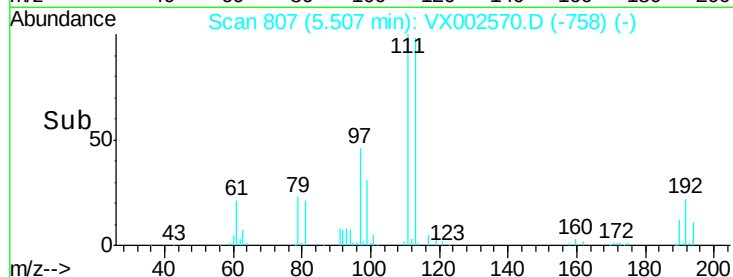
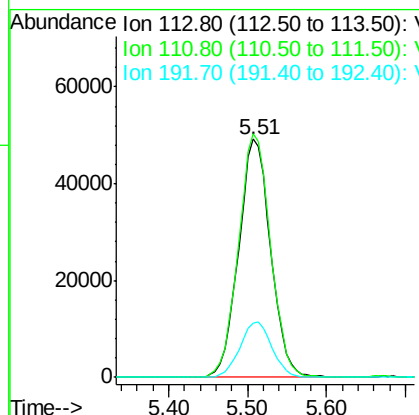
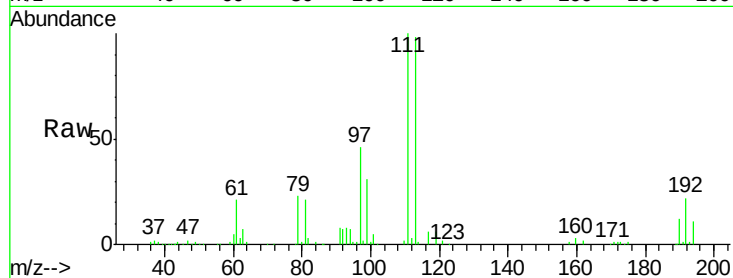
#35
Dibromofluoromethane
Concen: 51.112 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138748		
111	102.4	81.4	122.0	
192	23.3	19.1	28.7	

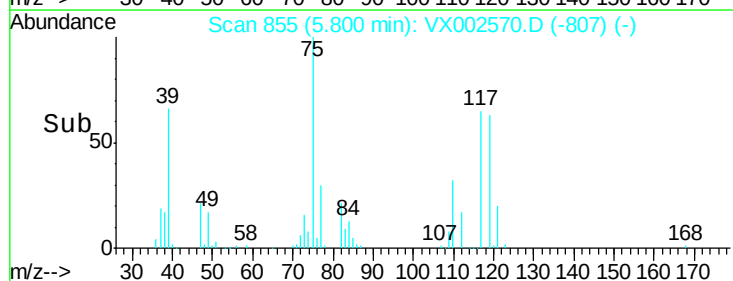
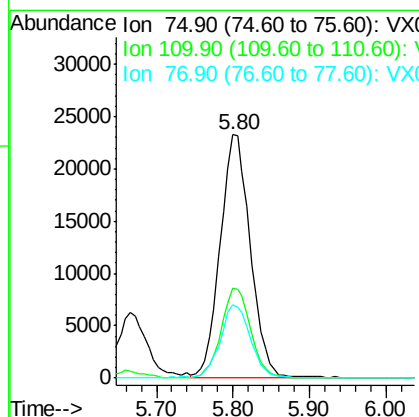
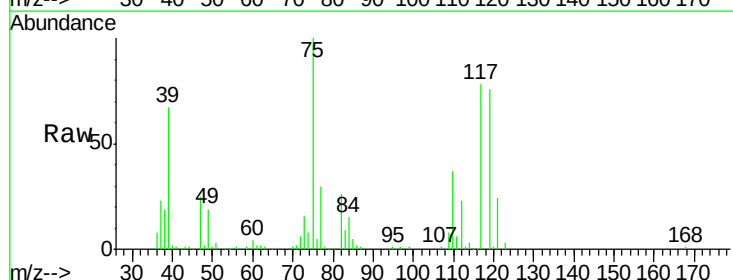
Manual Integrations
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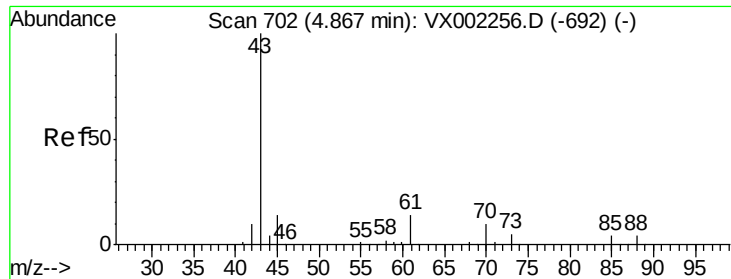
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#36
1,1-Dichloropropene
Concen: 17.541 ug/l
RT: 5.80 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63656		
110	36.1	18.1	54.4	
77	30.7	24.3	36.5	





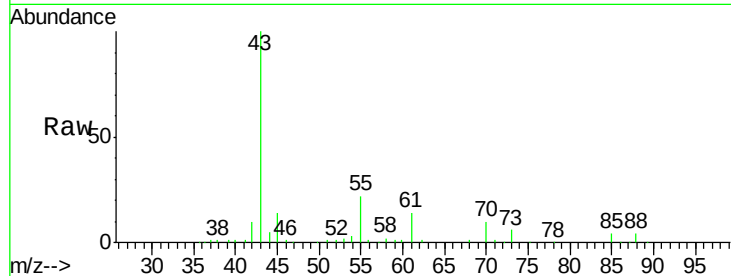
#37
Ethyl Acetate
Concen: 17.449 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	10.1	7.6	11.4

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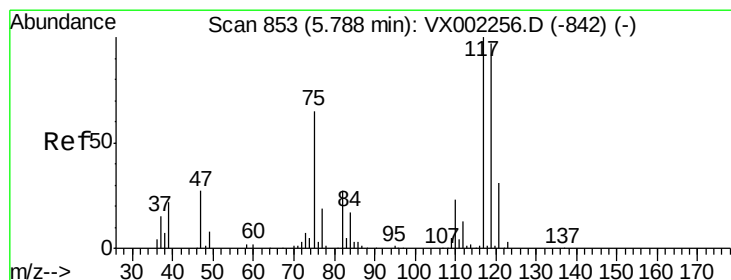
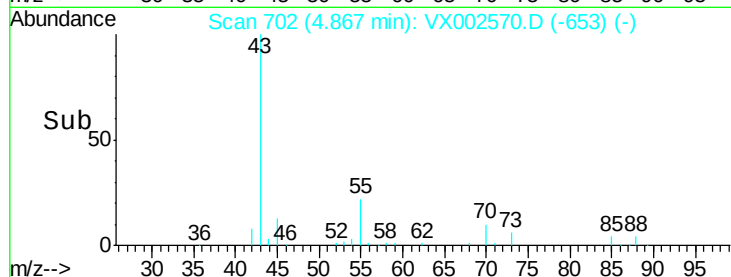
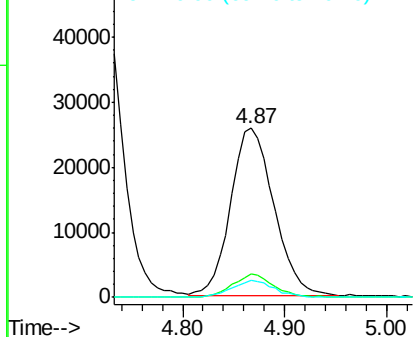


Abundance

Ion 43.00 (42.70 to 43.70): VX0

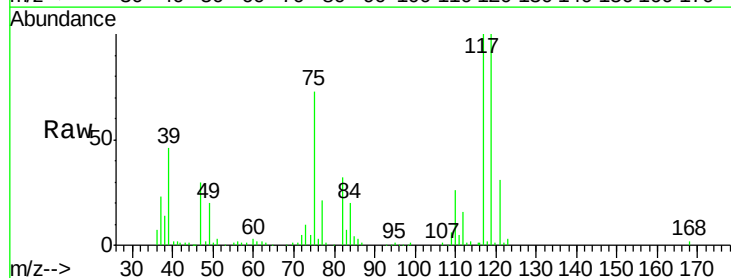
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 17.308 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.4	116.0
121	30.8	24.4	36.6

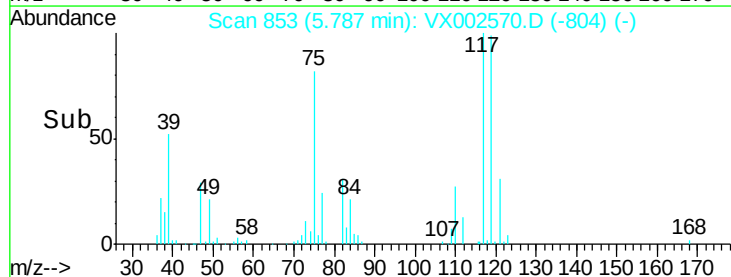
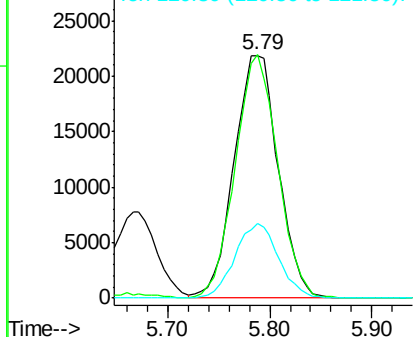


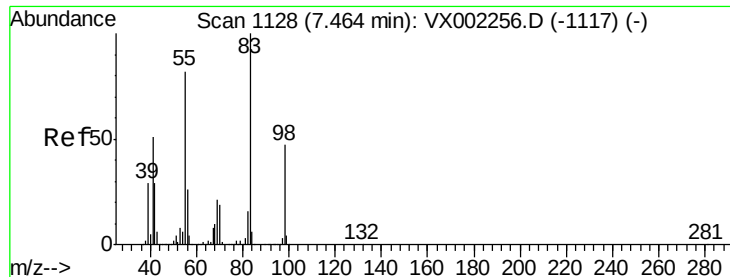
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





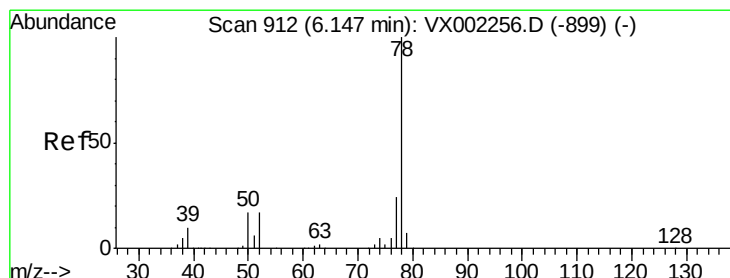
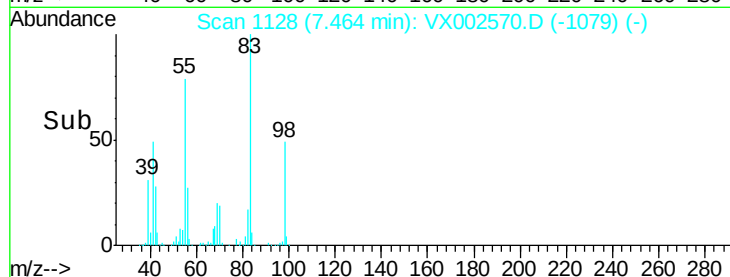
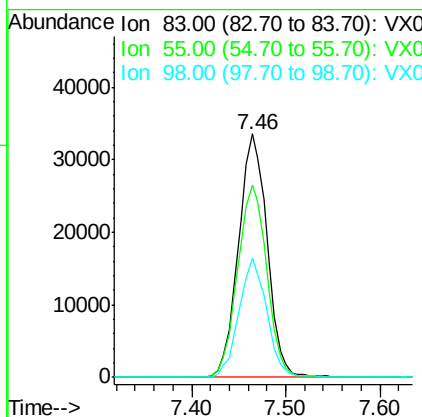
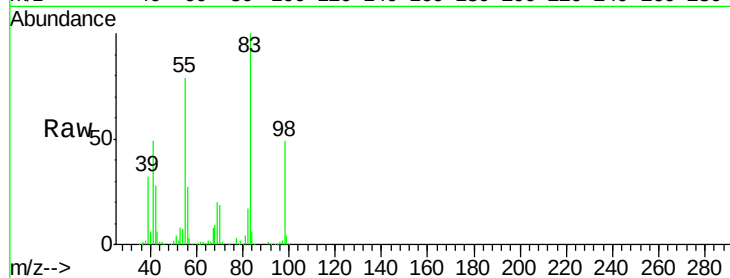
#39
Methylvlcyclohexane
Concen: 16.160 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	65.4	98.0
98	49.1	37.4	56.0

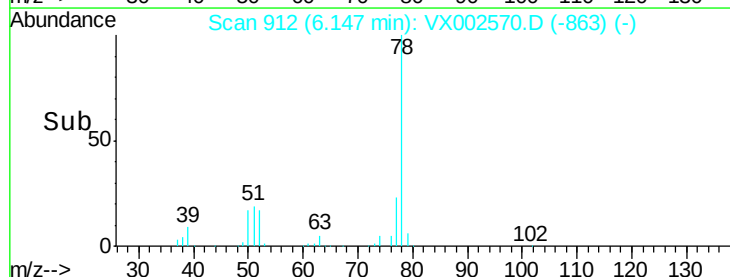
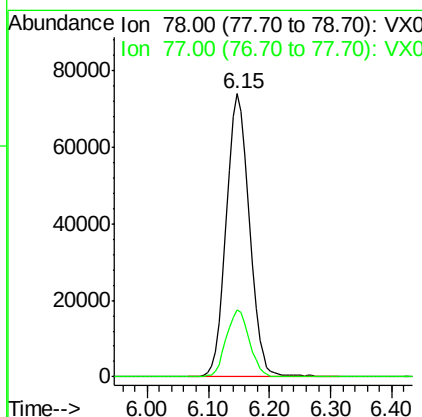
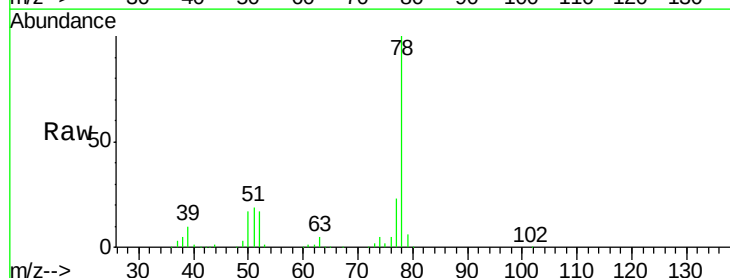
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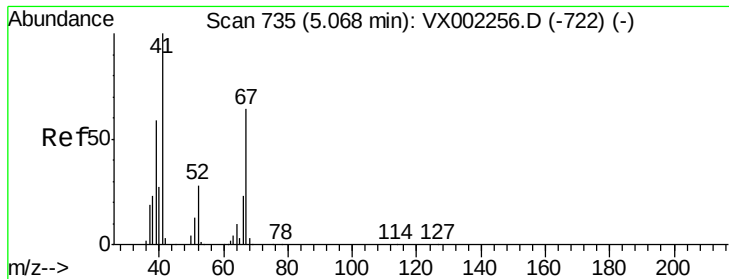
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#40
Benzene
Concen: 17.340 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





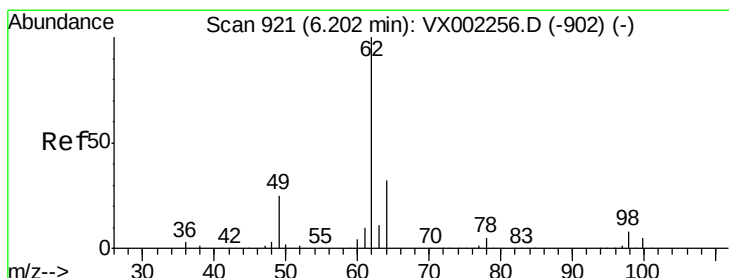
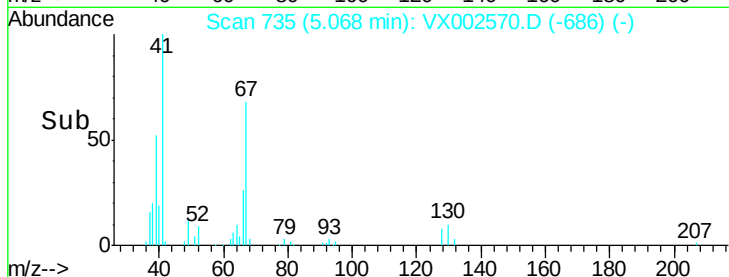
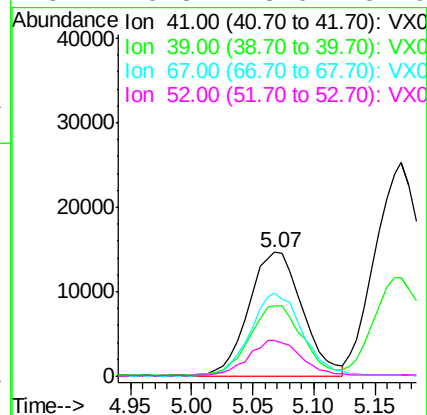
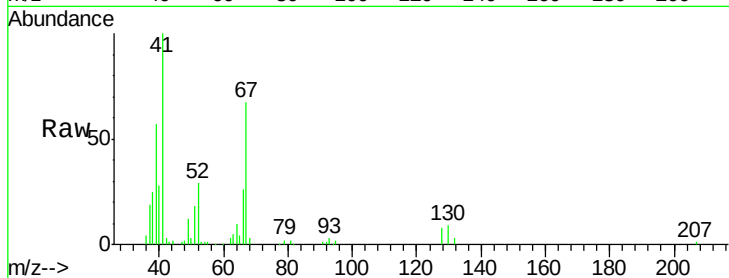
#41
Methacrylonitrile
Concen: 17.874 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	45.8	68.6	
67	66.5	51.3	76.9	
52	29.8	23.0	34.6	

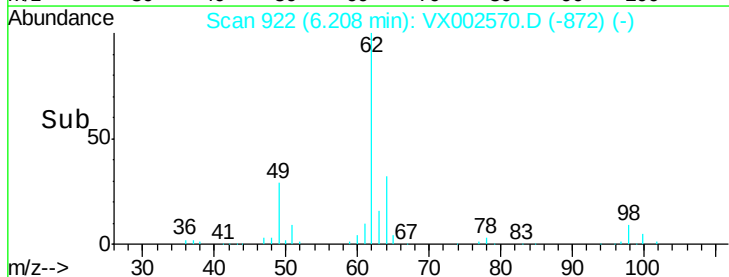
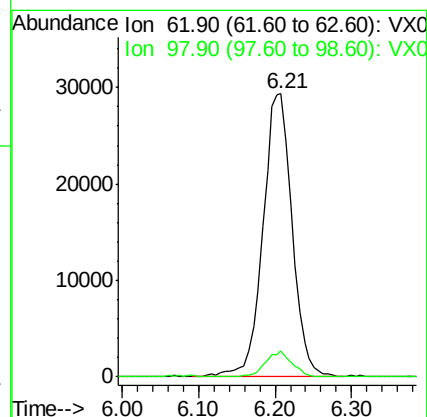
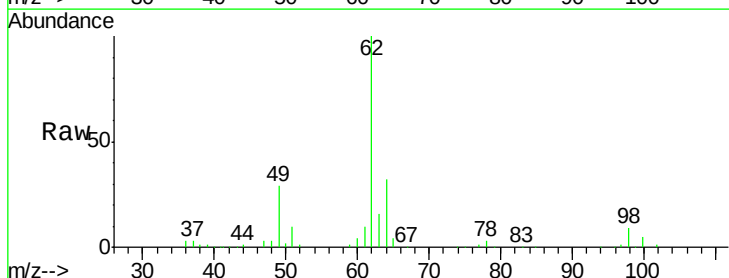
Manual Integrations
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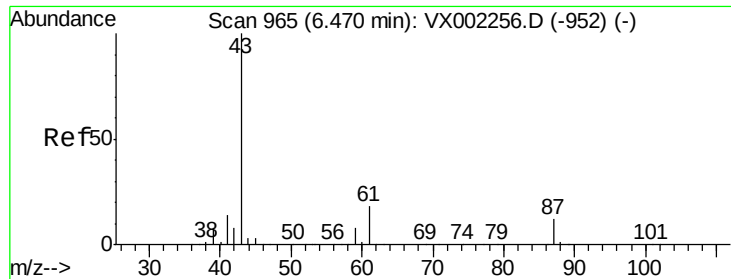
MMDadoda
6/15/2018 1:11:57 PM



#42
1,2-Dichloroethane
Concen: 17.692 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

Isopropyl Acetate

Concen: 17.002 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

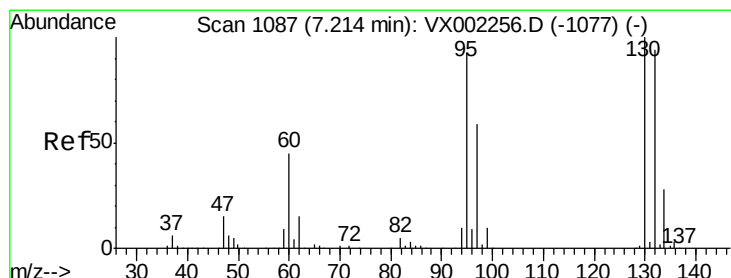
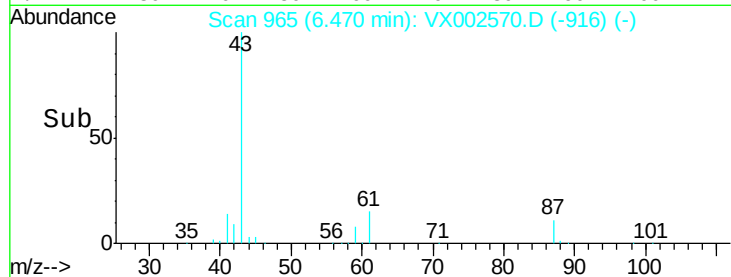
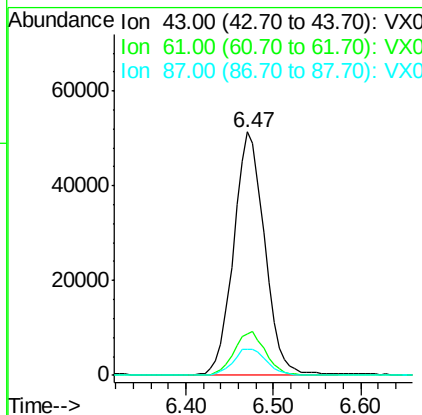
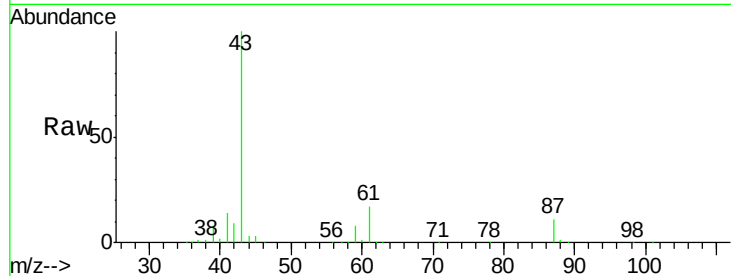
ClientSampleId :

VX0614WBSD02

Tot Ion:	43	Resp:	126024
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.4	21.6
87	11.8	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 17.990 ug/l

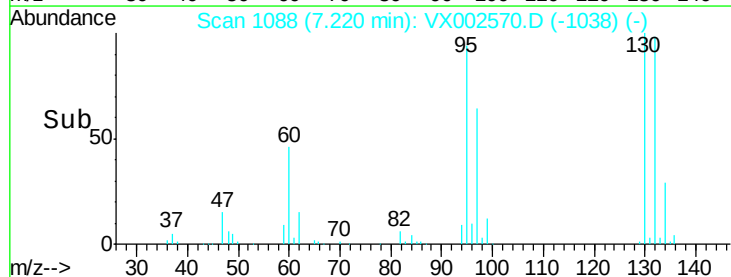
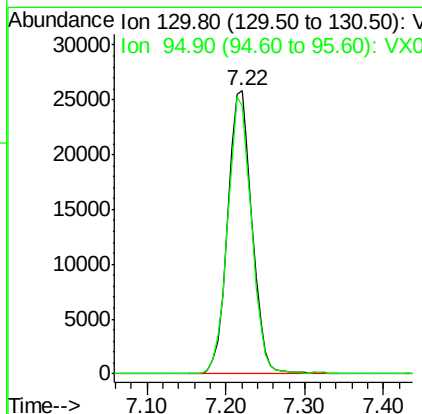
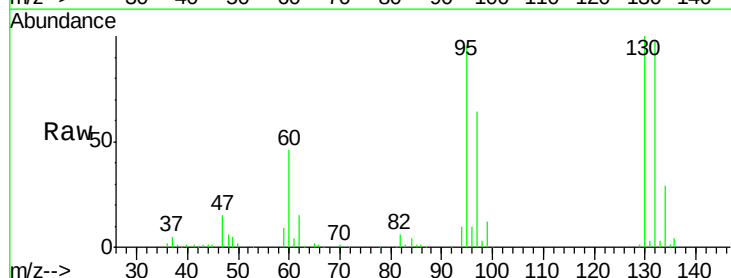
RT: 7.22 min Scan# 1088

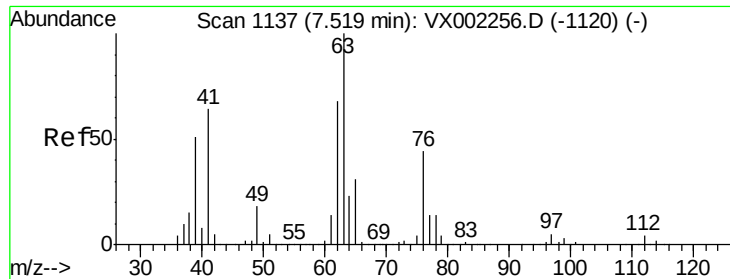
Delta R.T. 0.01 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Tgt Ion:	130	Resp:	55555
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	185.4





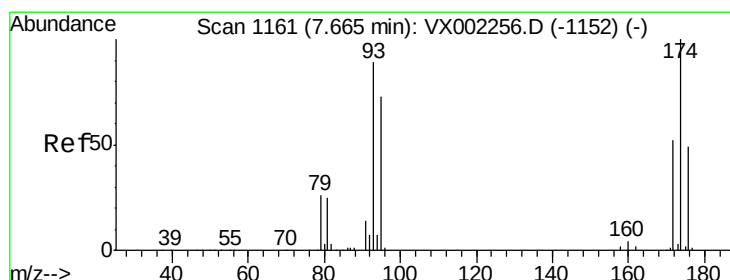
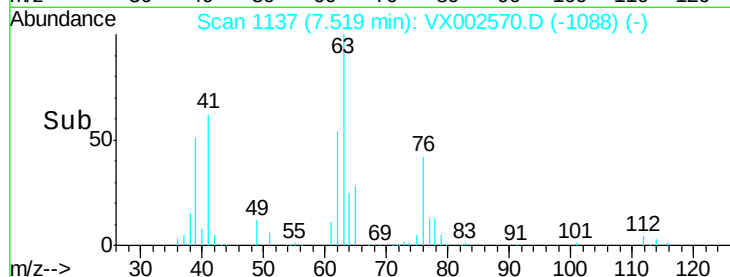
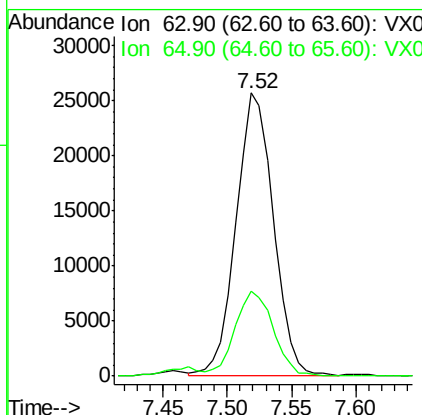
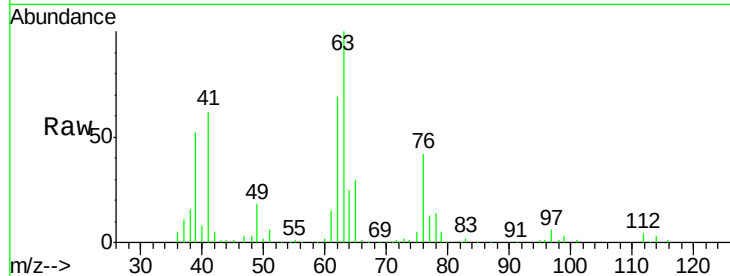
#45
 1,2-Dichloropropane
 Concen: 17.085 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion: 63 Resp: 51321
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.7 37.1

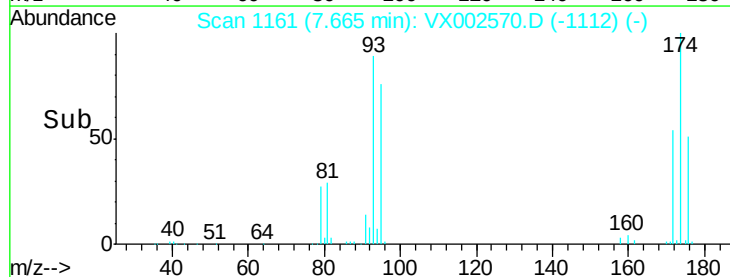
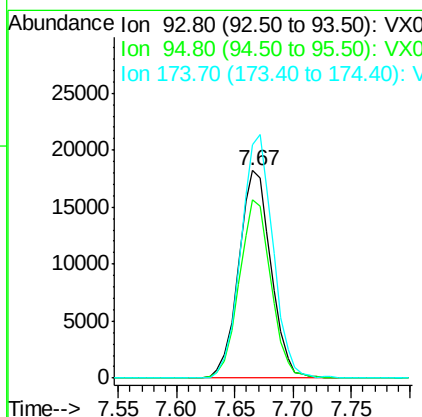
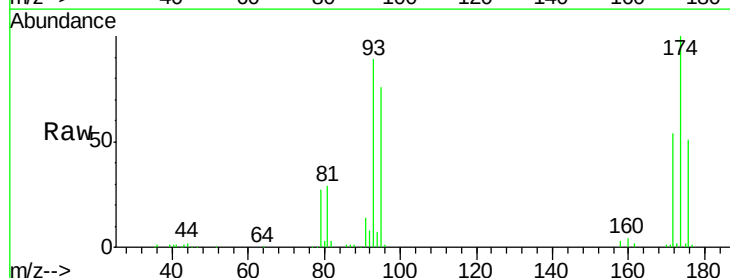
Manual Integrations
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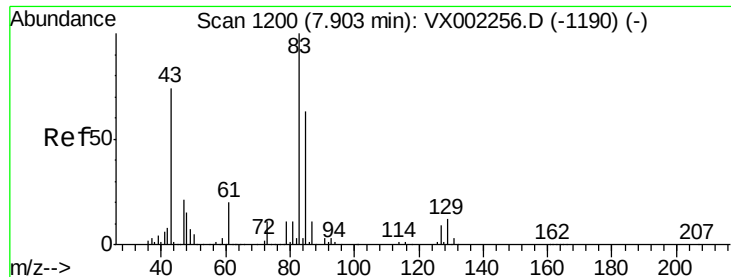
MMDadoda
 6/15/2018 1:11:57 PM



#46
 Dibromomethane
 Concen: 17.338 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion: 93 Resp: 35306
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.9 98.9
 174 115.7 92.4 138.6





#47

Bromodichloromethane

Concen: 16.824 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

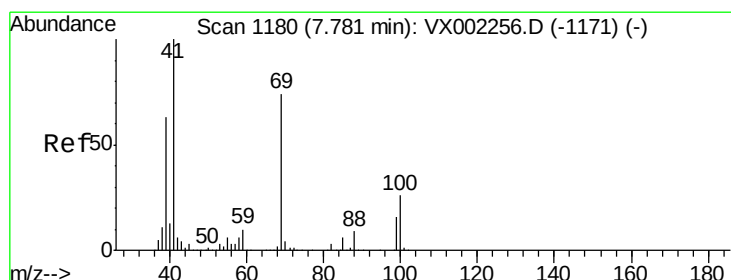
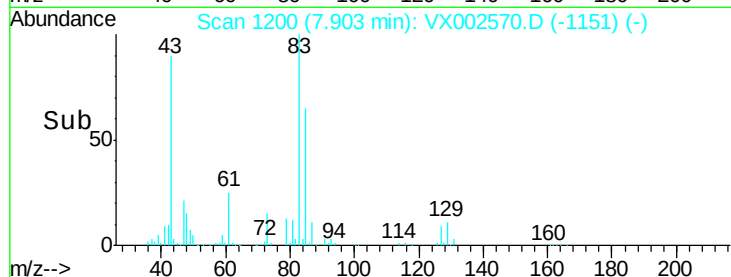
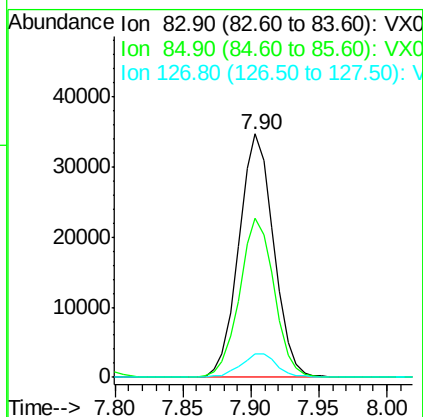
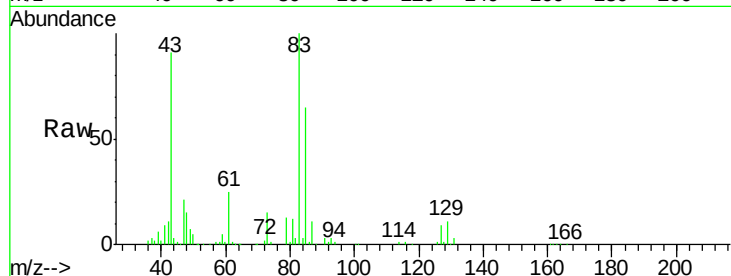
ClientSampleId :

VX0614WBSD02

Tot Ion:	83	Resp:	61962
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
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MMDadoda
6/15/2018 1:11:57 PM



#48

Methyl methacrylate

Concen: 17.370 ug/l

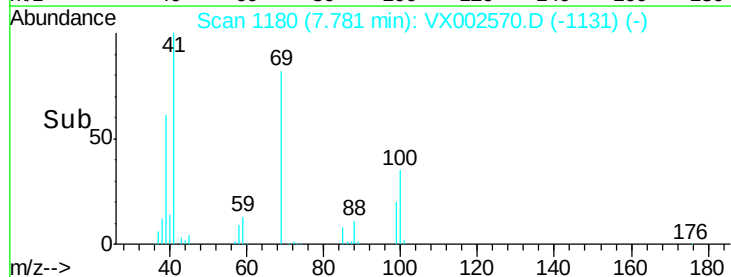
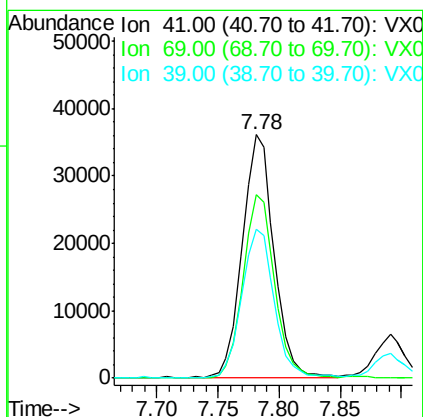
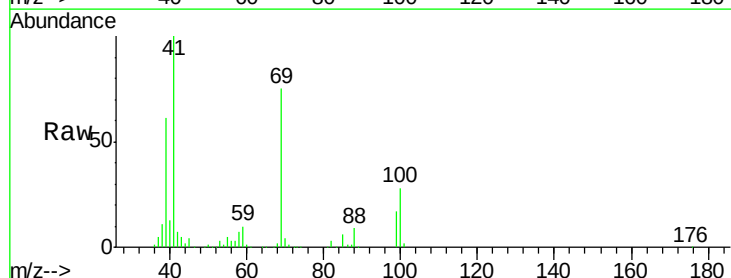
RT: 7.78 min Scan# 1180

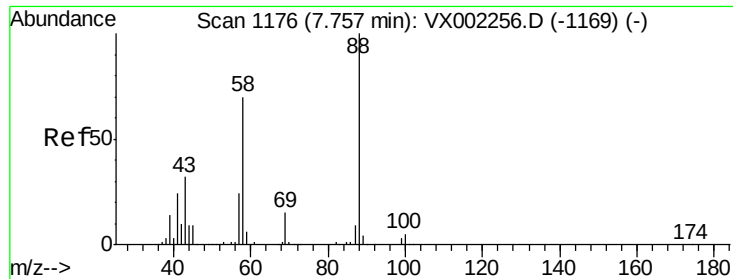
Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Tgt Ion:	41	Resp:	64675
Ion	Ratio	Lower	Upper
41	100		
69	75.5	59.1	88.7
39	62.9	48.9	73.3





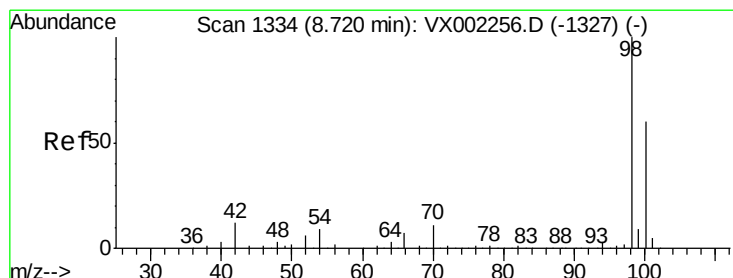
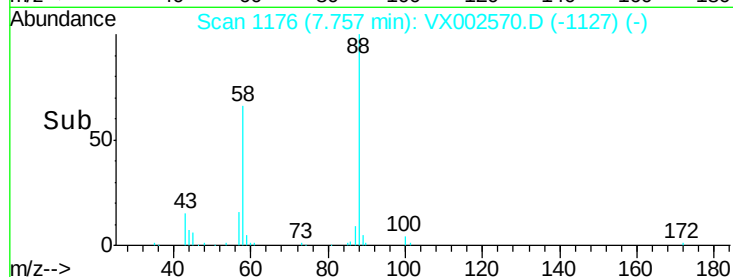
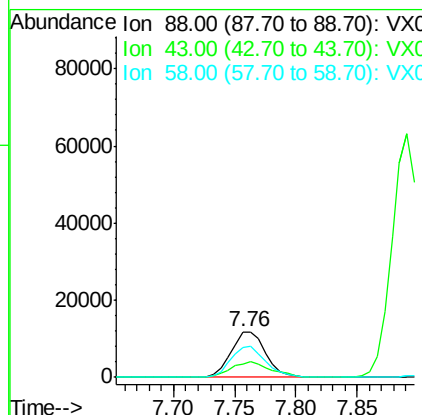
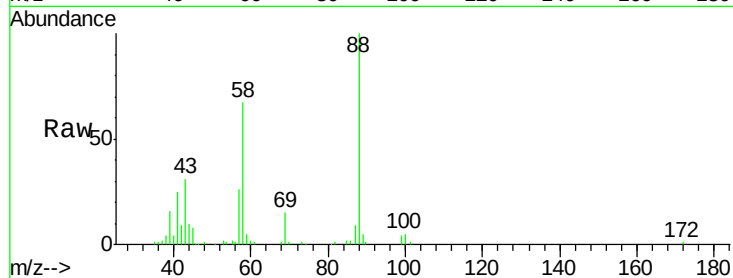
#49
1,4-Dioxane
Concen: 331.608 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	29.8	44.6
58	69.6	57.1	85.7

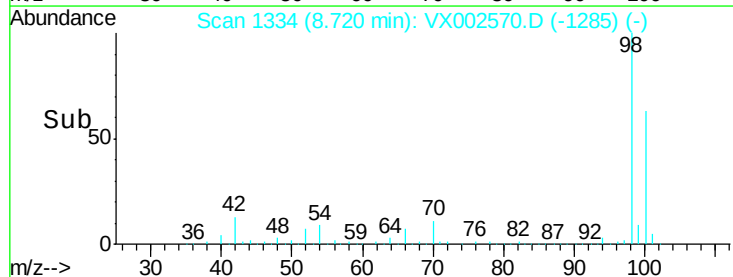
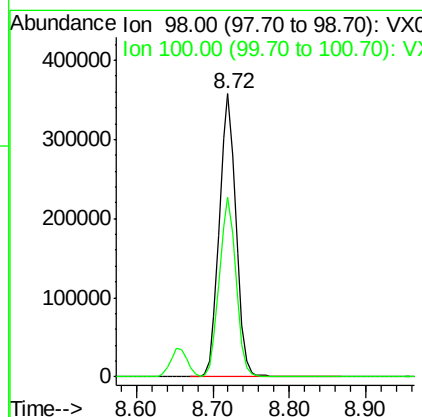
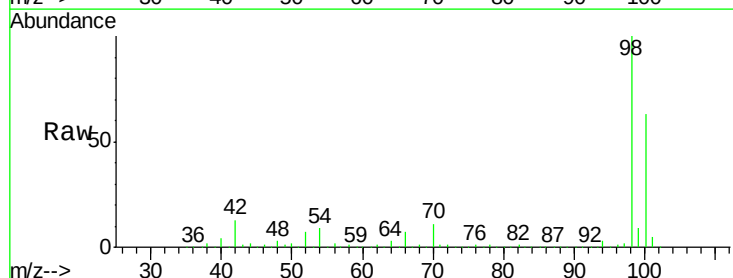
Manual Integrations
APPROVED

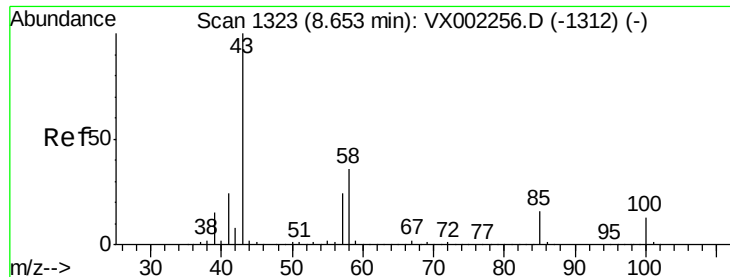
MMDadoda
6/15/2018 1:11:57 PM



#50
Toluene-d8
Concen: 51.955 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 89.922 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion: 43 Resp: 415090

Ion Ratio Lower Upper

43 100

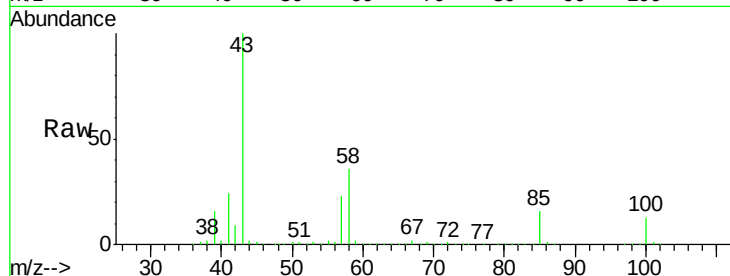
58 35.8 28.6 42.8

Manual Integrations

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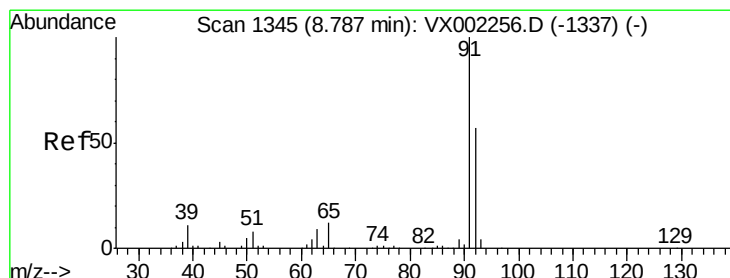
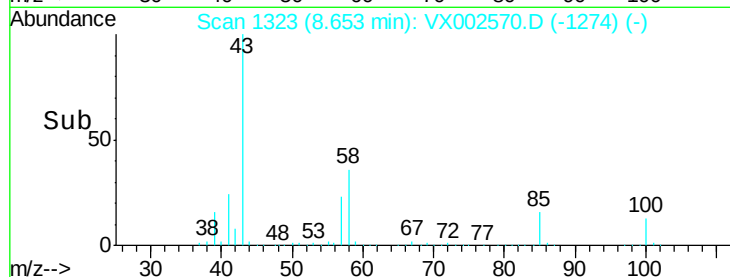
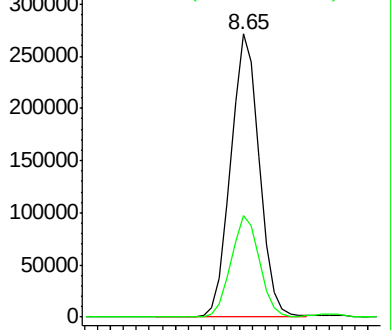
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.267 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002570.D

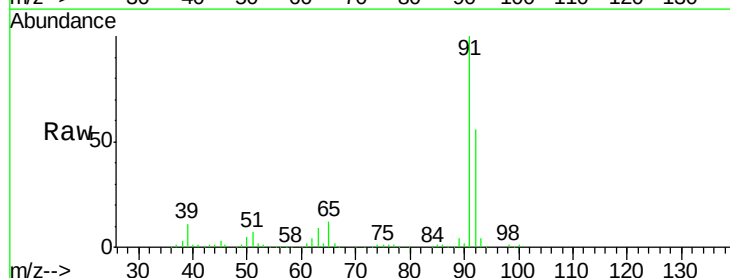
Acq: 15 Jun 2018 00:17

Tgt Ion: 92 Resp: 122195

Ion Ratio Lower Upper

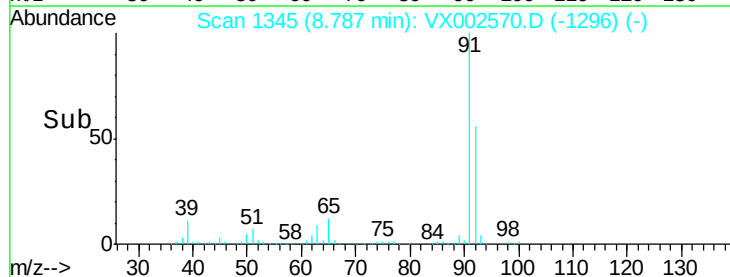
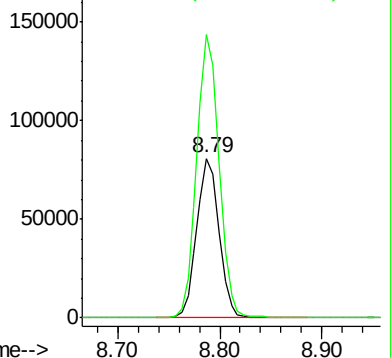
92 100

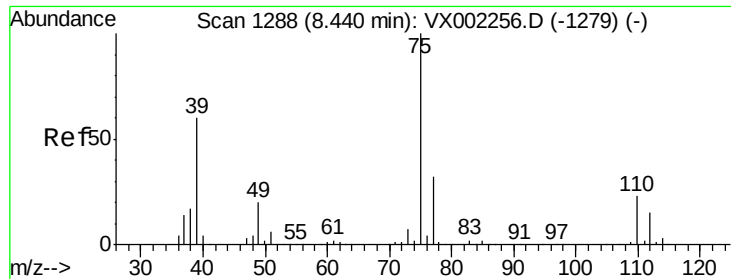
91 178.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





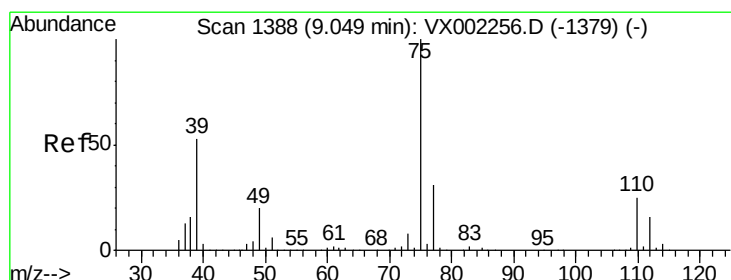
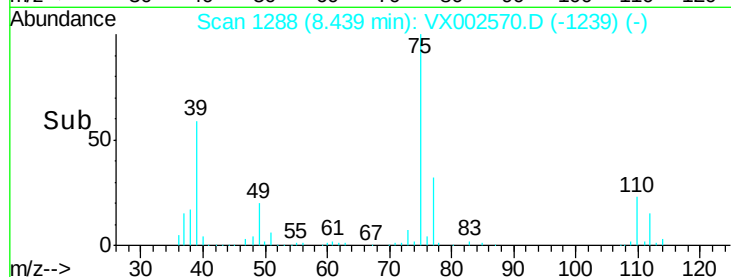
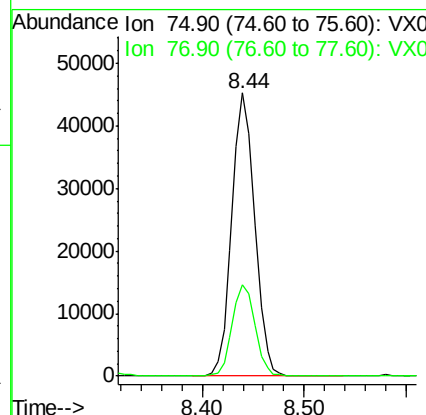
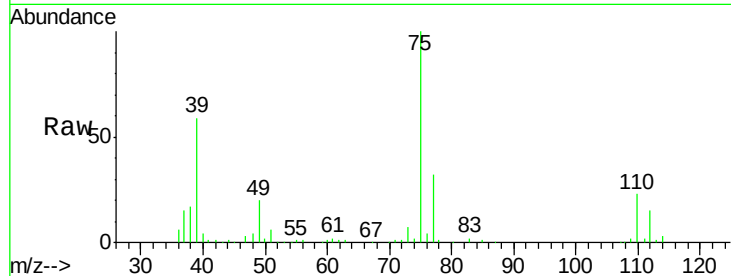
#53
t-1,3-Dichloropropene
Concen: 15.951 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion: 75 Resp: 70449
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2

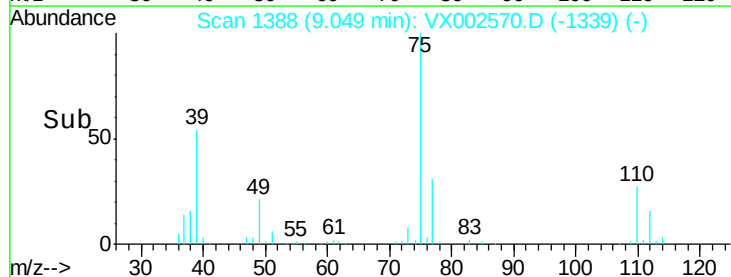
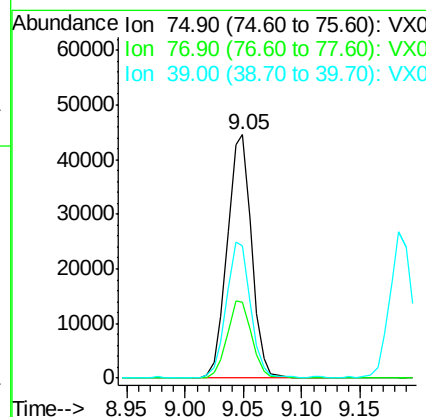
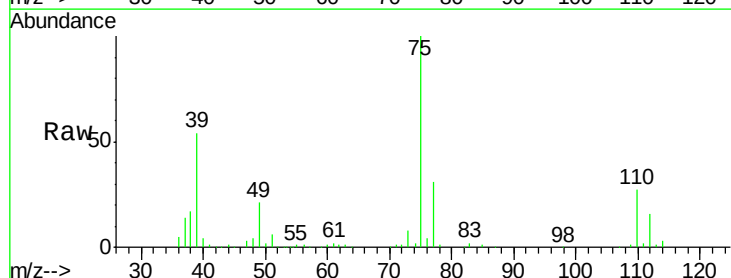
Manual Integrations
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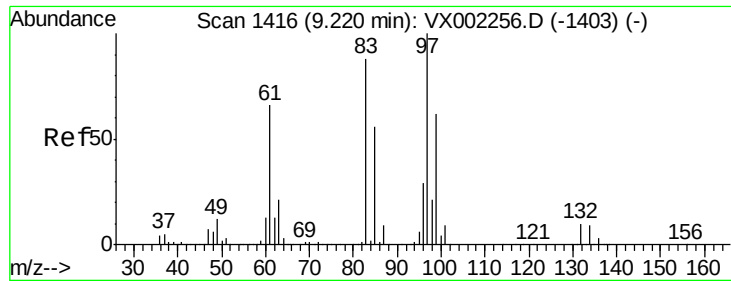
MMDadoda
6/15/2018 1:11:57 PM



#54
cis-1,3-Dichloropropene
Concen: 15.405 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion: 75 Resp: 64190
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 54.0 42.4 63.6





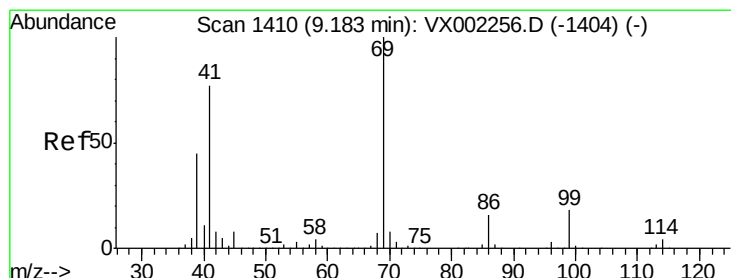
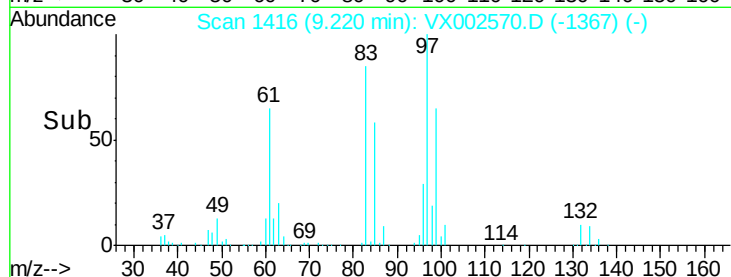
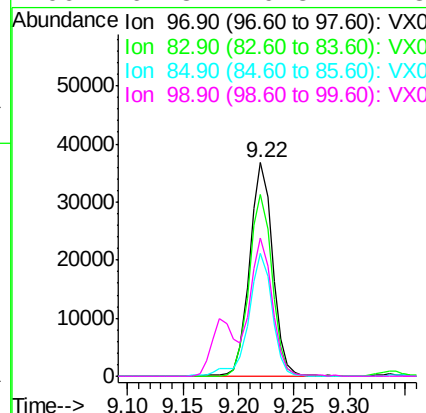
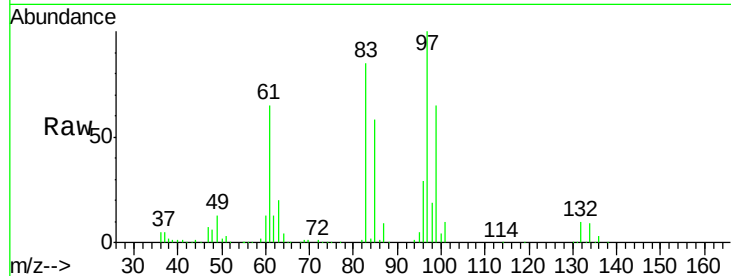
#55
 1,1,2-Trichloroethane
 Concen: 18.248 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion:	97	Resp:	53112
Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.2	105.2
85	57.6	44.9	67.3
99	64.8	49.8	74.8

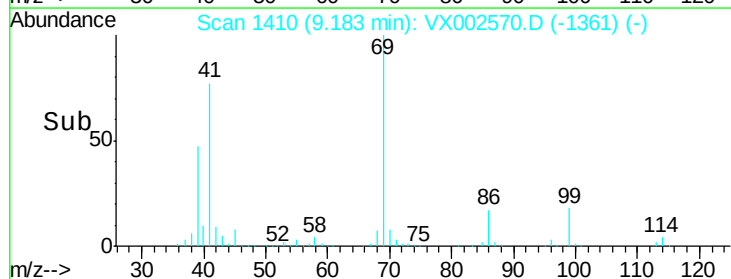
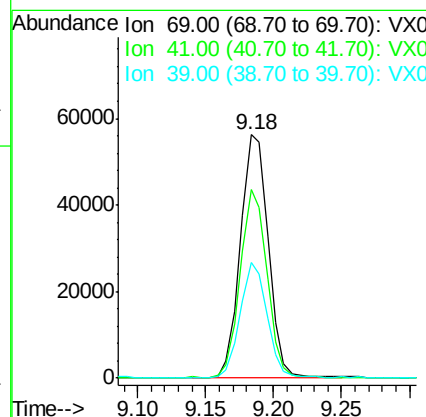
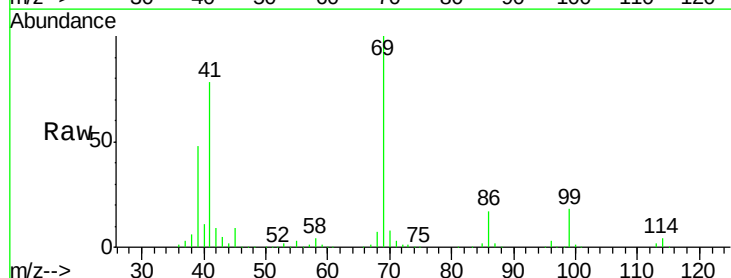
Manual Integrations
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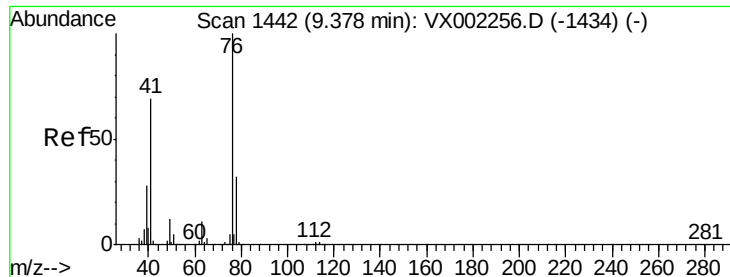
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#56
 Ethyl methacrylate
 Concen: 17.314 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion:	69	Resp:	80455
Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.3	90.5
39	45.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 17.981 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion: 76 Resp: 87802

Ion Ratio Lower Upper

76 100

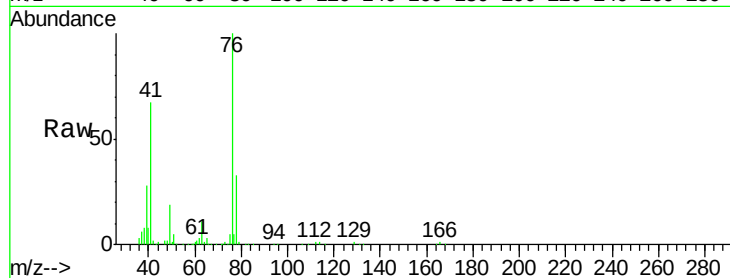
78 32.7 25.8 38.6

Manual Integrations

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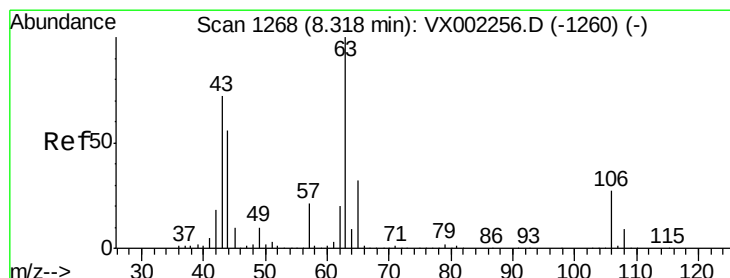
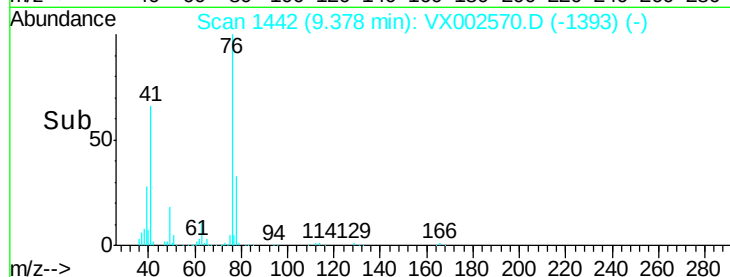
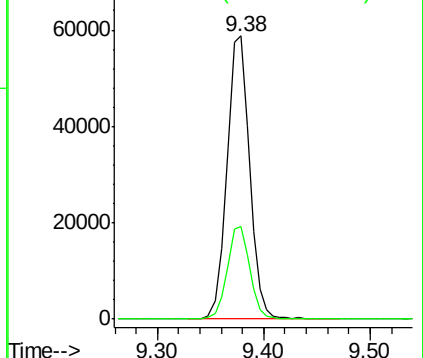
MMDadoda

6/15/2018 1:11:57 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 92.806 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002570.D

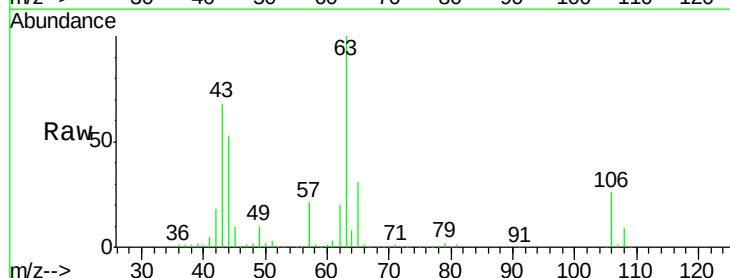
Acq: 15 Jun 2018 00:17

Tgt Ion: 63 Resp: 199604

Ion Ratio Lower Upper

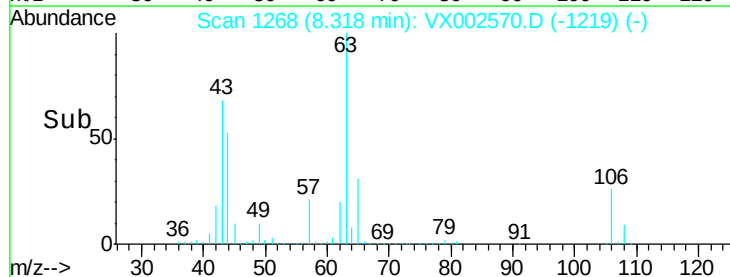
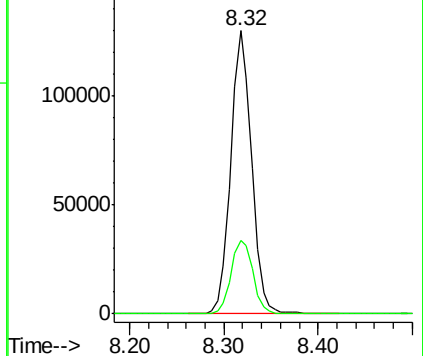
63 100

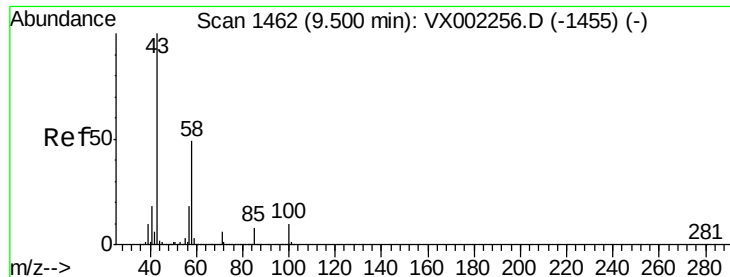
106 27.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





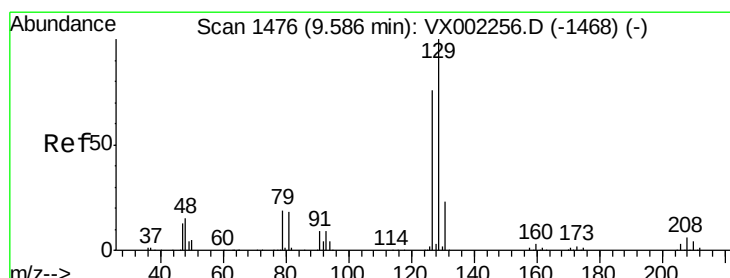
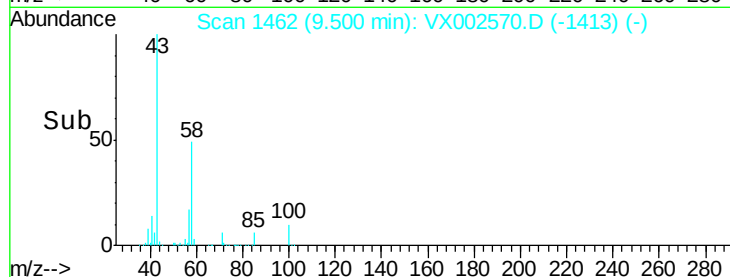
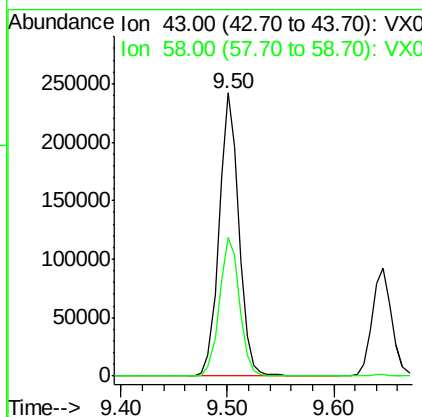
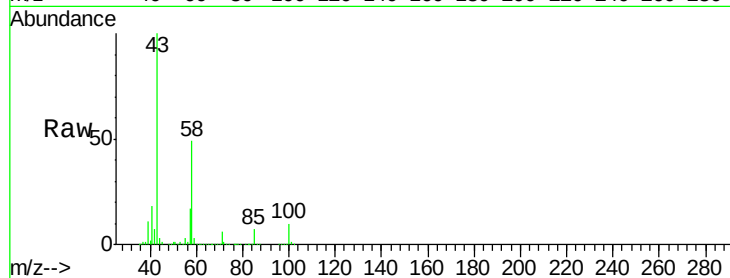
#59
2-Hexanone
Concen: 87.401 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion: 43 Resp: 311630
Ion Ratio Lower Upper
43 100
58 49.9 24.6 73.6

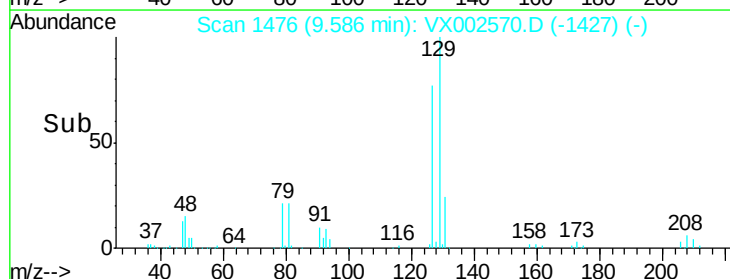
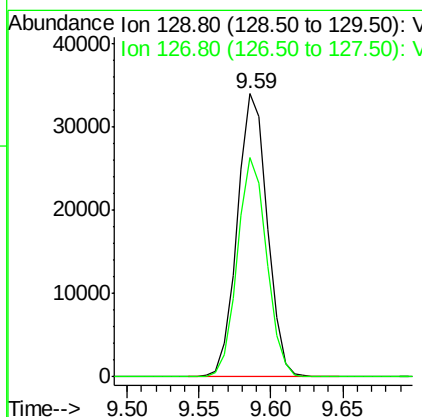
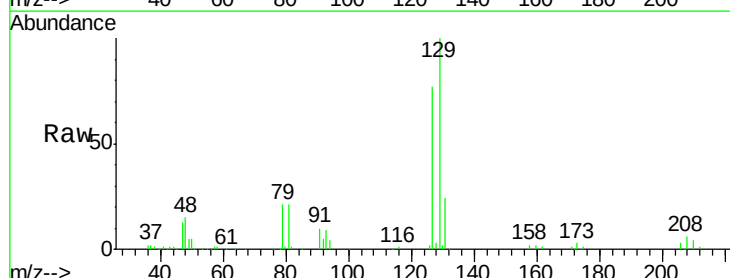
Manual Integrations
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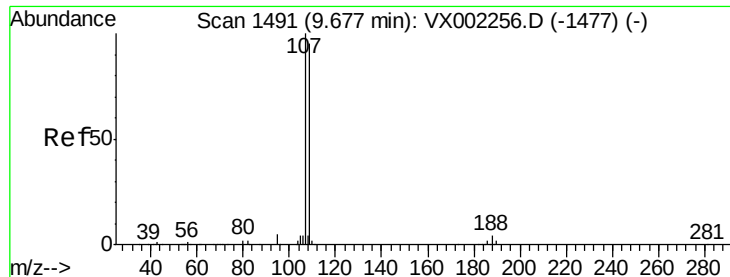
MMDadoda
6/15/2018 1:11:57 PM



#60
Dibromochloromethane
Concen: 16.783 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion: 129 Resp: 49133
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.3





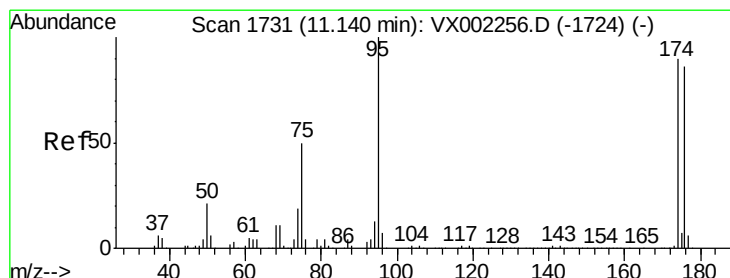
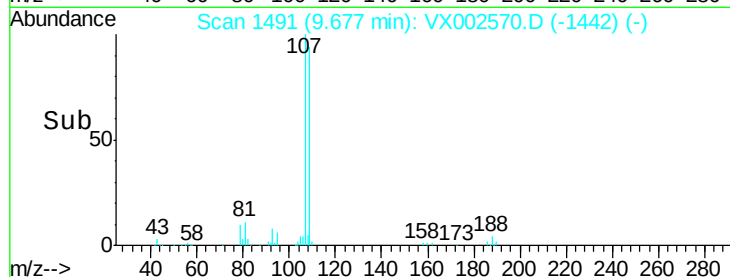
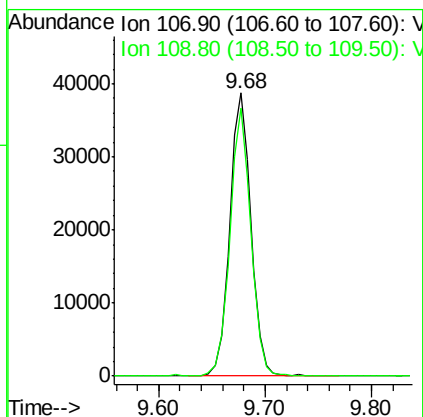
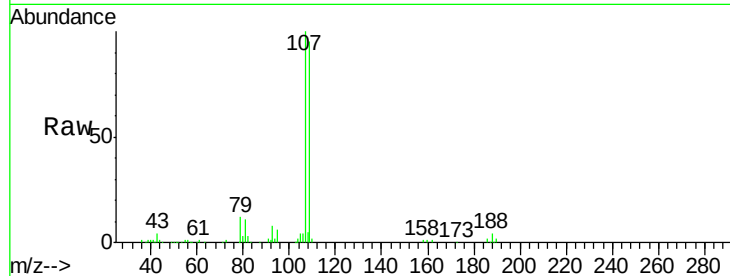
#61
 1,2-Dibromoethane
 Concen: 17.803 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion:107 Resp: 54029
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.3 112.9

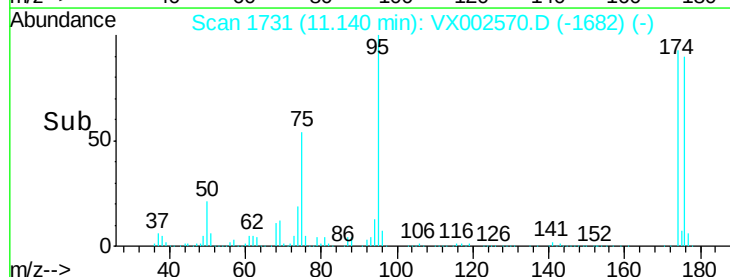
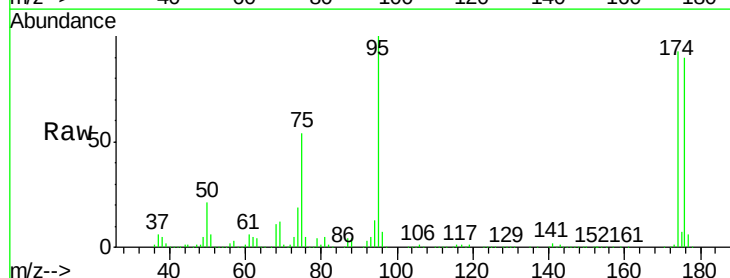
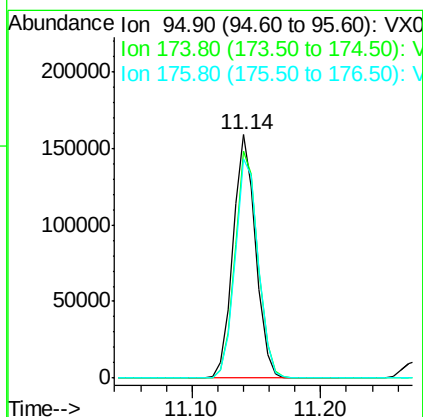
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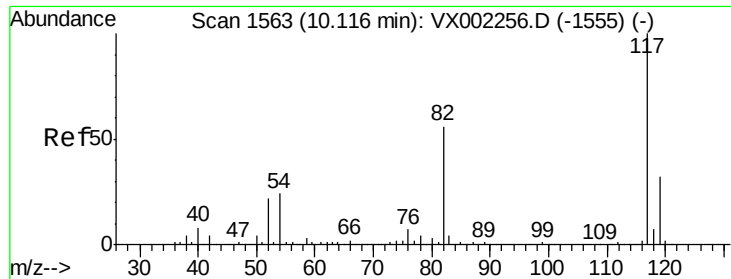
MMDadoda
 6/15/2018 1:11:57 PM



#62
 4-Bromofluorobenzene
 Concen: 48.376 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion: 95 Resp: 194096
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 187.4
 176 92.7 0.0 181.0





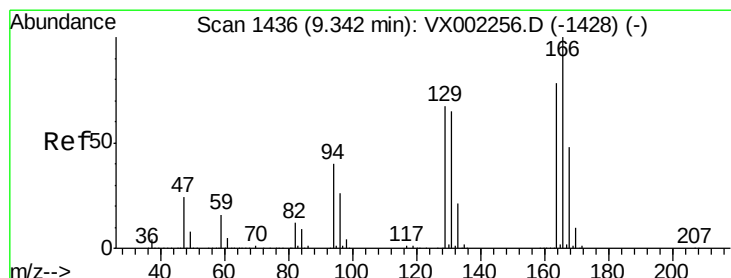
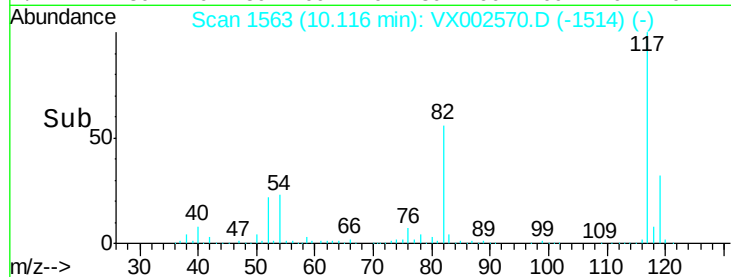
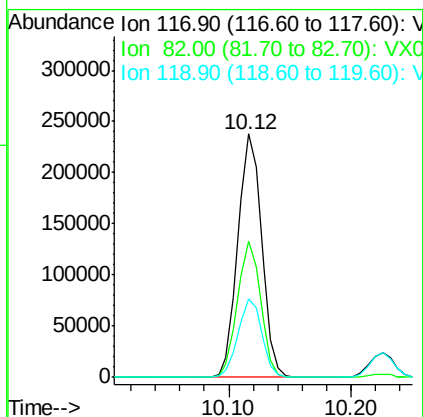
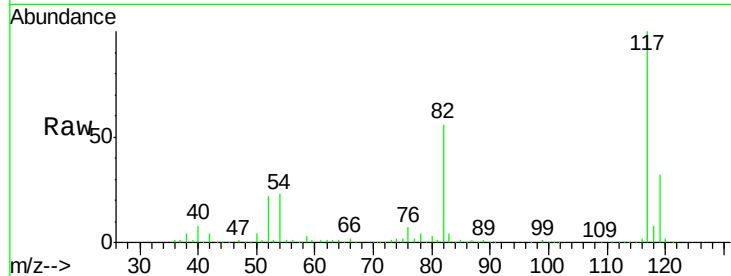
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.0	67.4
119	32.4	25.8	38.6

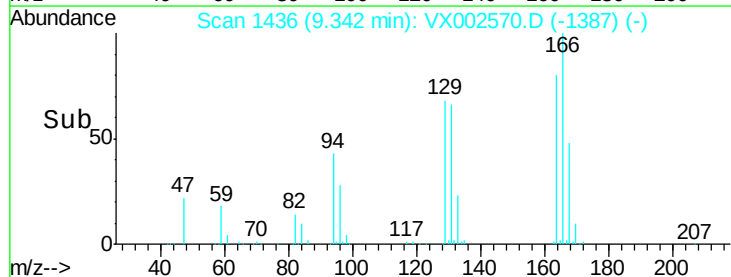
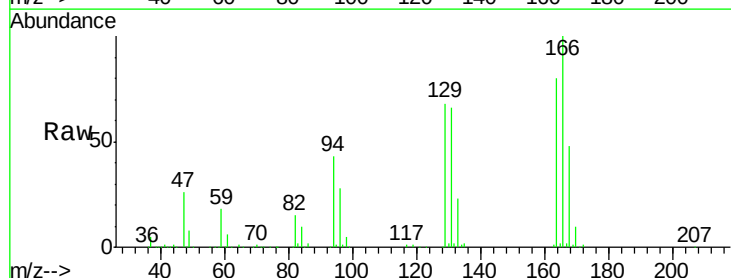
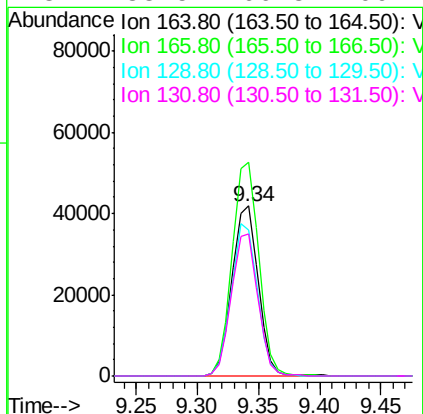
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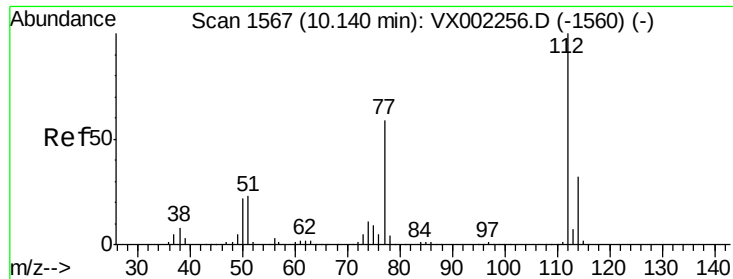
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#64
Tetrachloroethene
Concen: 18.767 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.9	154.3
129	85.8	68.6	102.8
131	83.5	66.8	100.2





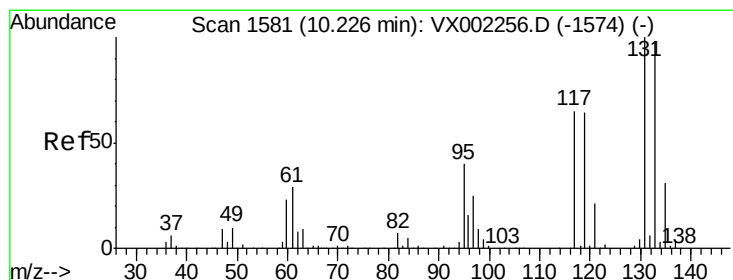
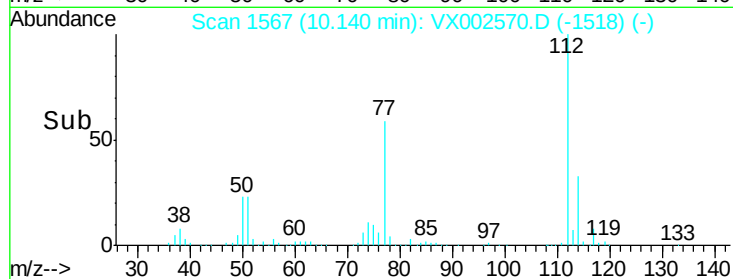
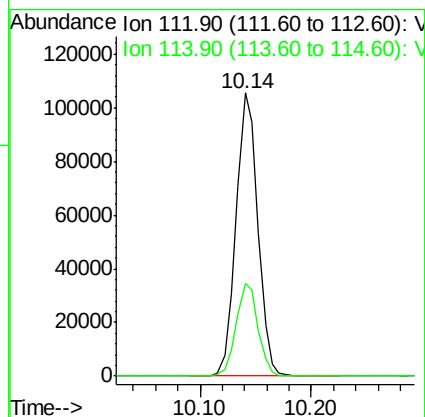
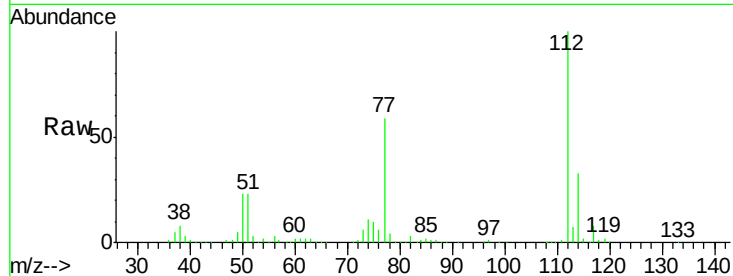
#65
Chlorobenzene
Concen: 17.929 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion:112 Resp: 142814
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

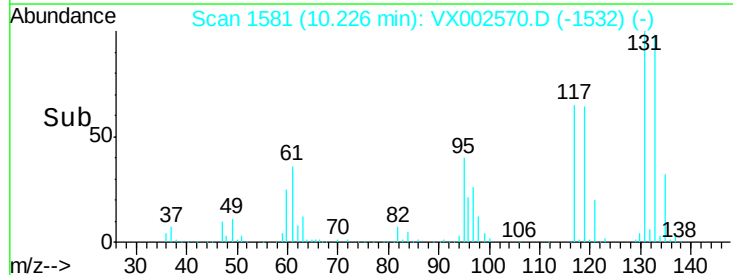
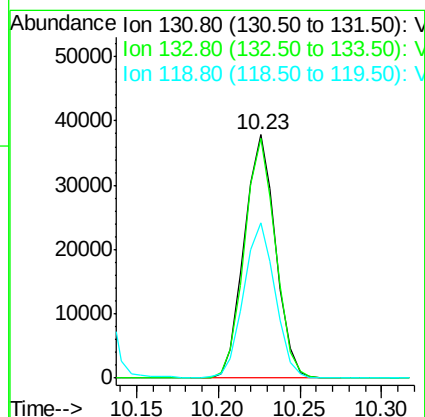
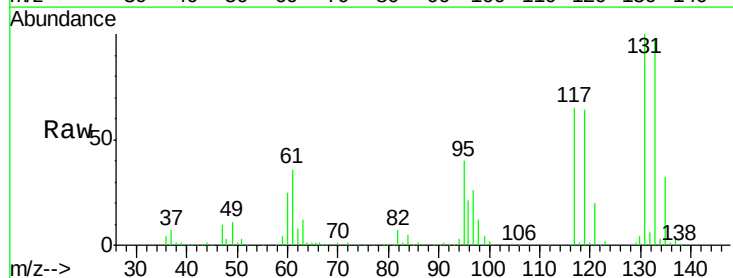
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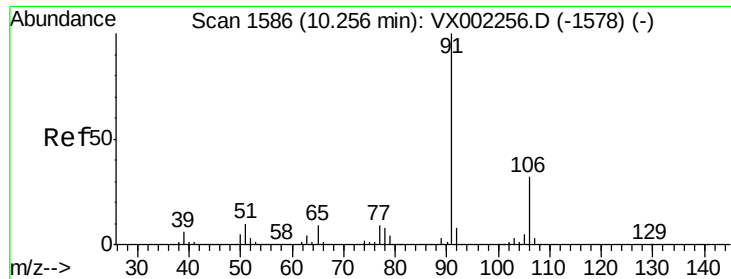
MMDadoda
6/15/2018 1:11:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.616 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion:131 Resp: 50809
Ion Ratio Lower Upper
131 100
133 97.4 47.9 143.6
119 64.1 31.8 95.3





#67

Ethyl Benzene

Concen: 18.487 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion: 91 Resp: 246449

Ion Ratio Lower Upper

91 100

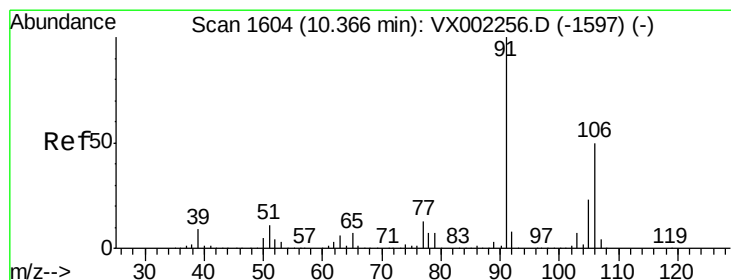
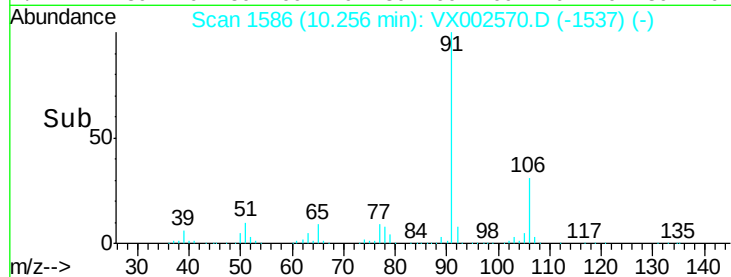
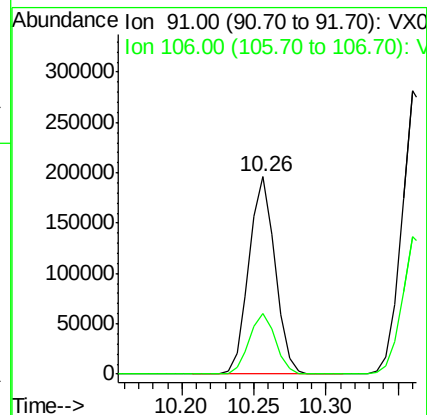
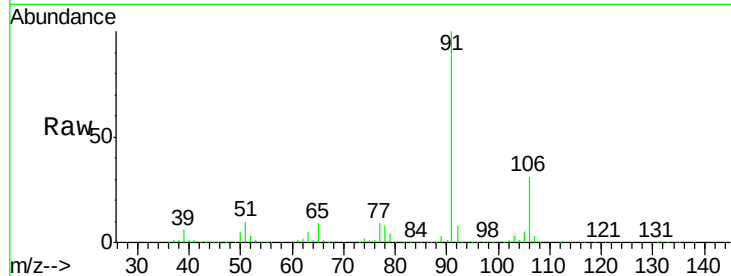
106 30.7 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 35.560 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002570.D

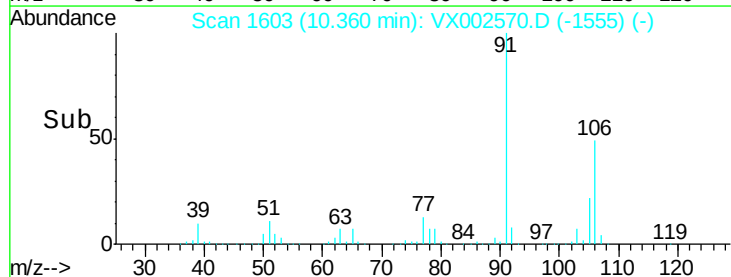
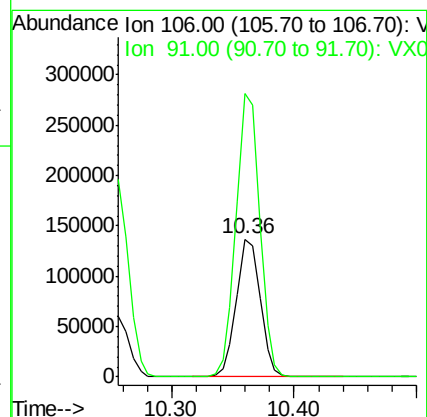
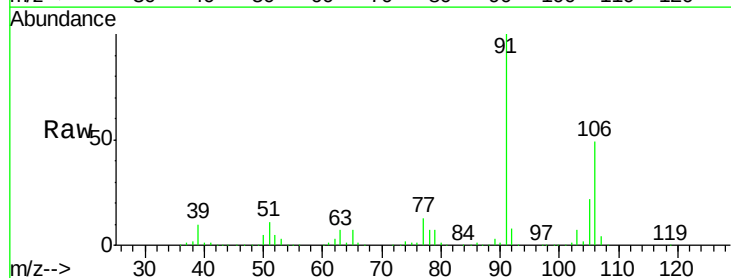
Acq: 15 Jun 2018 00:17

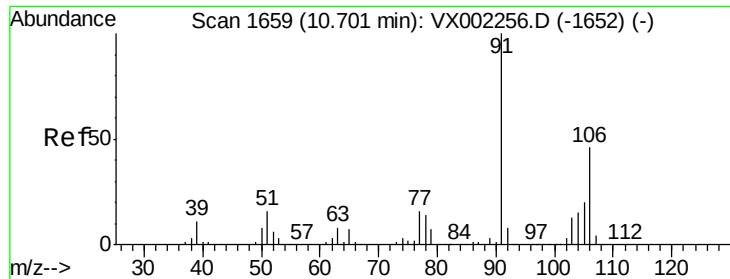
Tgt Ion: 106 Resp: 184269

Ion Ratio Lower Upper

106 100

91 204.7 163.4 245.2





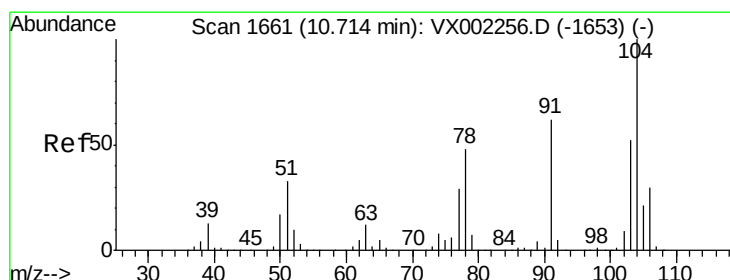
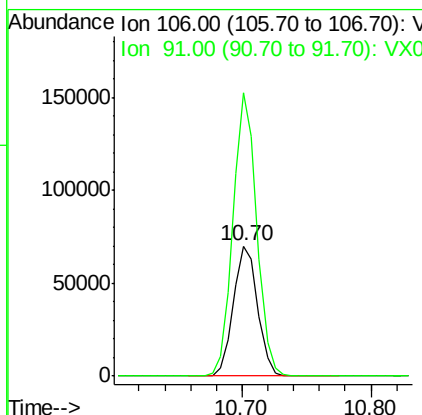
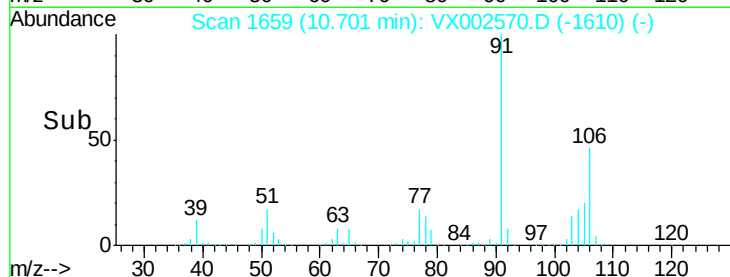
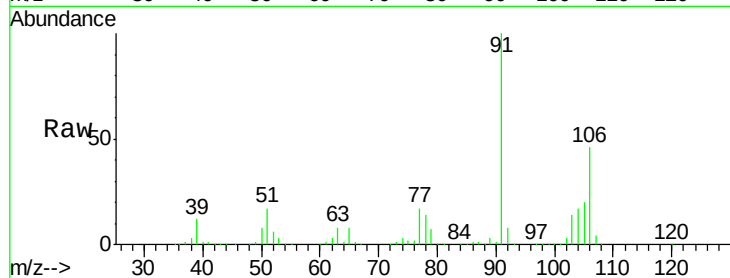
#69
o-Xylene
Concen: 17.806 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion:106 Resp: 91823
Ion Ratio Lower Upper
106 100
91 213.1 108.2 324.6

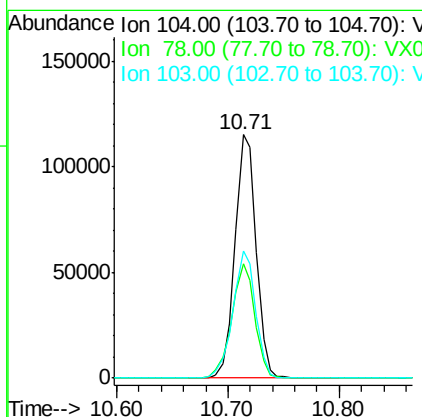
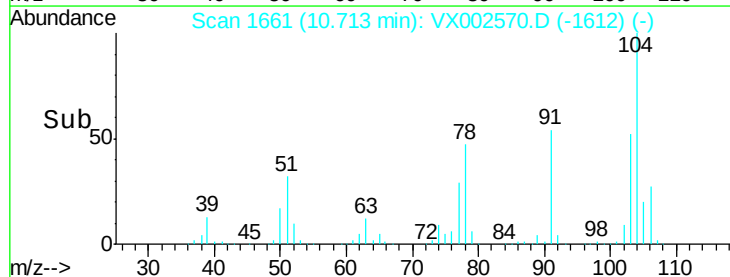
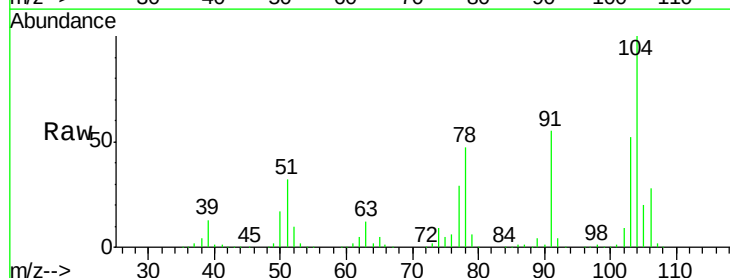
Manual Integrations
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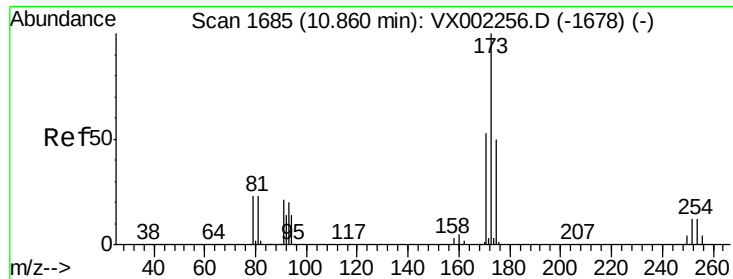
MMDadoda
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#70
Styrene
Concen: 17.974 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion:104 Resp: 151527
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.6
103 55.8 44.2 66.4





#71

Bromoform

Concen: 16.303 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion:173 Resp: 35648

Ion Ratio Lower Upper

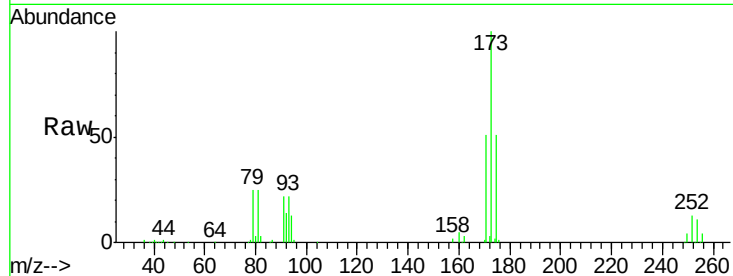
173 100

175 48.8 24.7 74.1

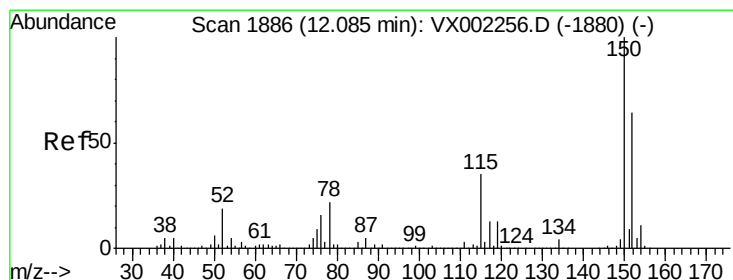
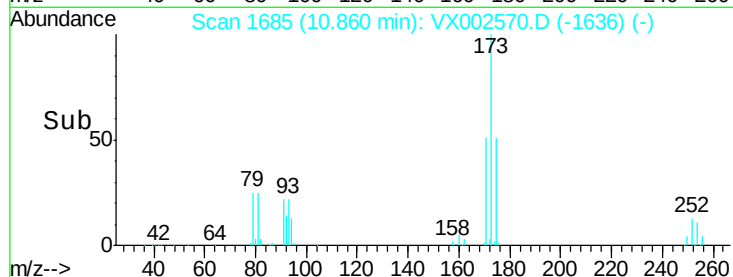
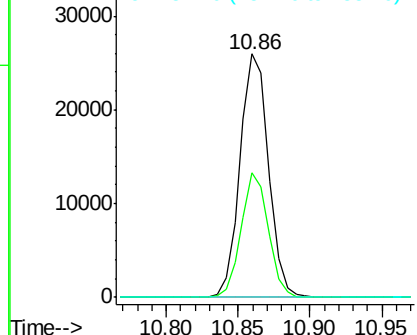
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

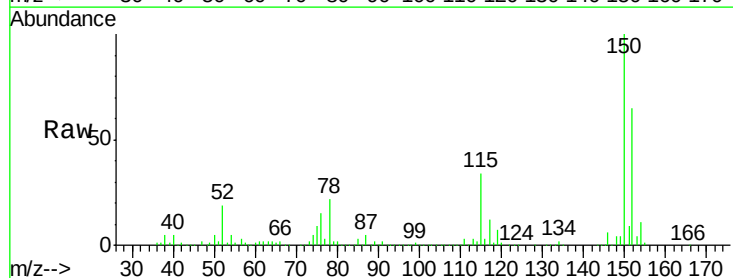
Tgt Ion:152 Resp: 187761

Ion Ratio Lower Upper

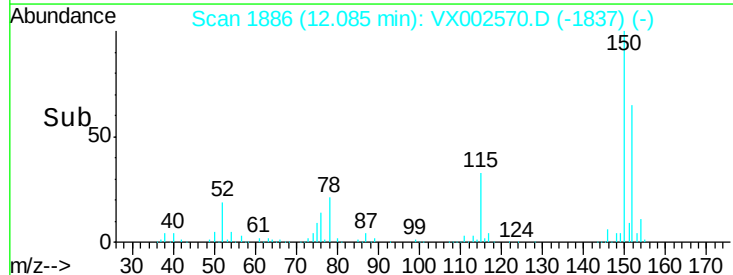
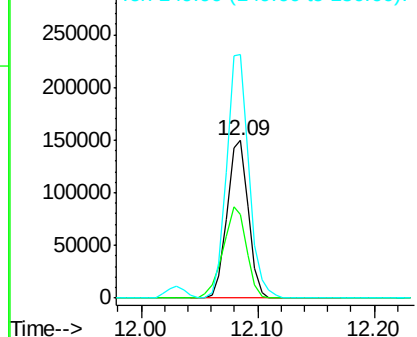
152 100

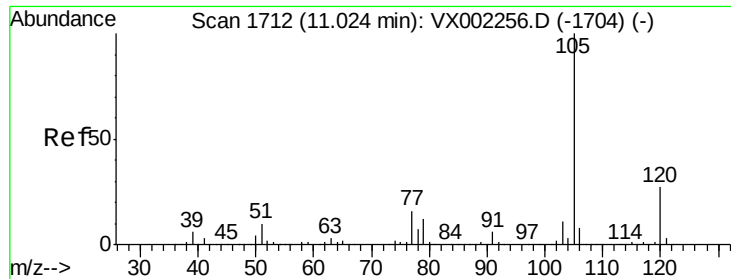
115 63.9 40.1 120.2

150 162.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.410 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBSD02

Tot Ion:105 Resp: 253524

Ion Ratio Lower Upper

105 100

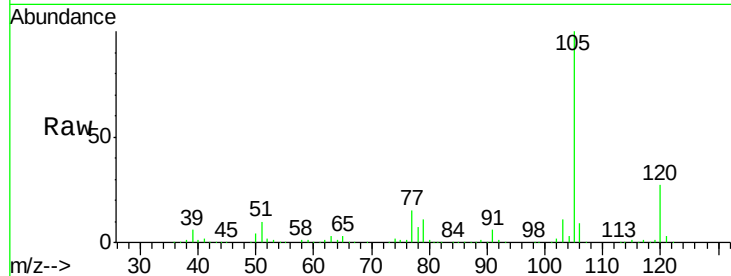
120 27.0 13.5 40.4

Manual Integrations

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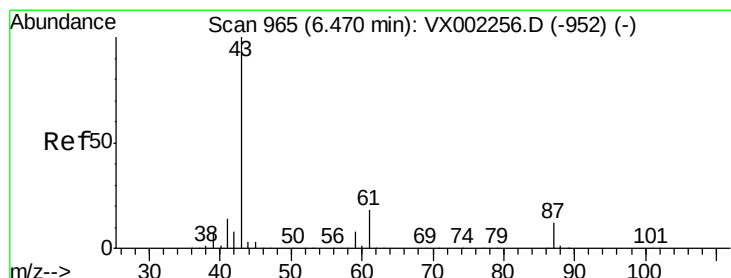
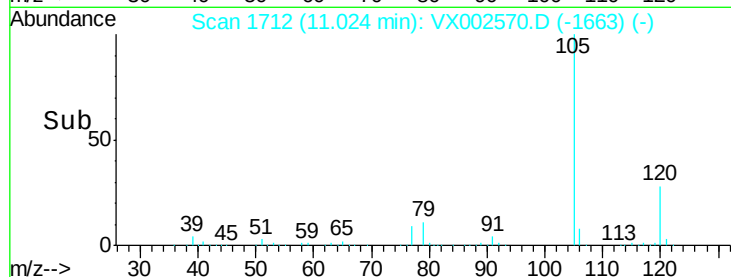
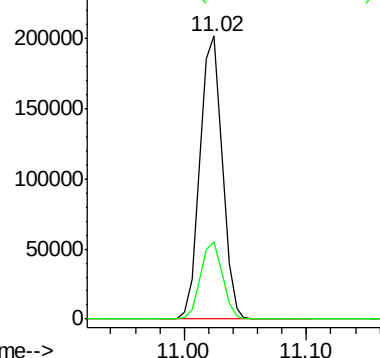
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.906 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Tgt Ion: 43 Resp: 126024

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

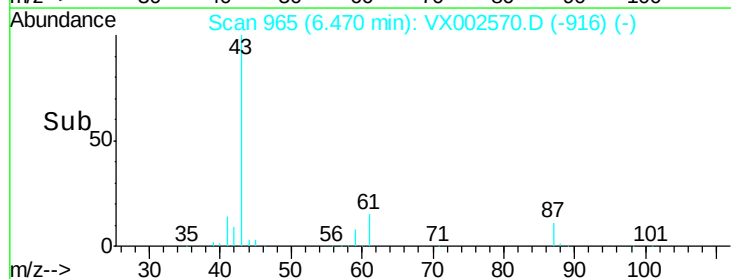
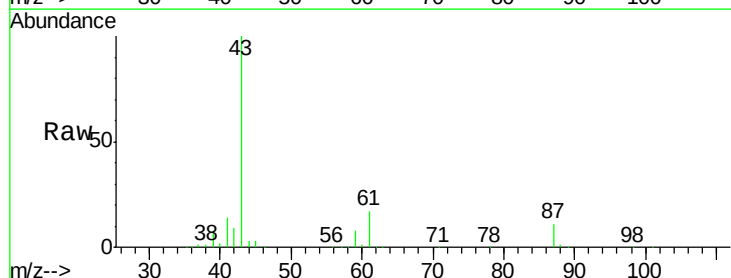
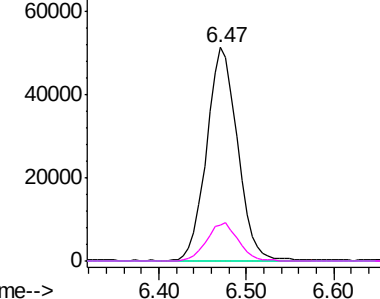
61 18.2 14.4 21.6

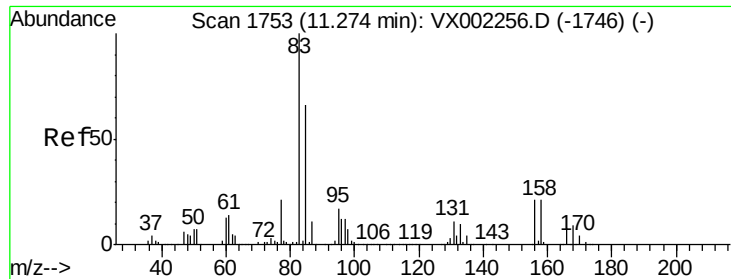
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.899 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

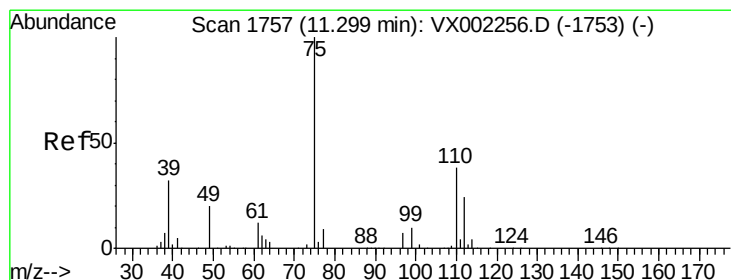
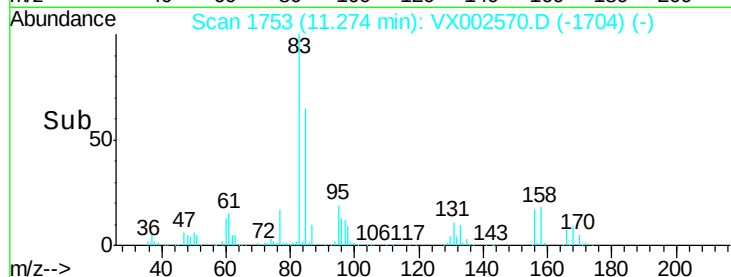
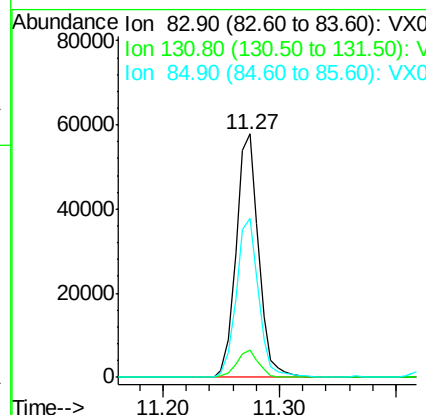
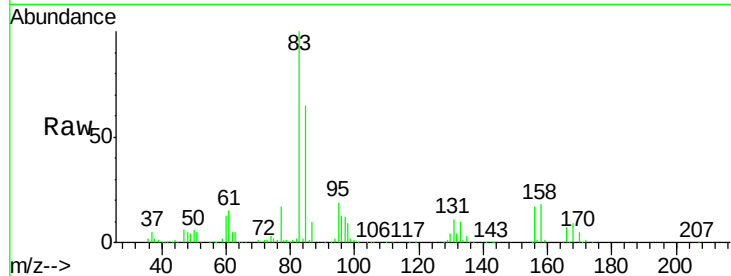
ClientSampleId :

VX0614WBSD02

Tot Ion:	83	Resp:	77639
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.6	16.8
85	64.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 18.670 ug/l m

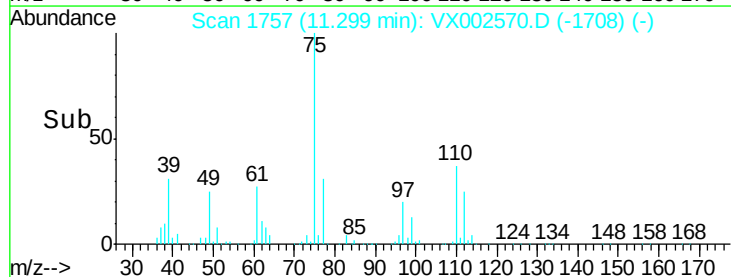
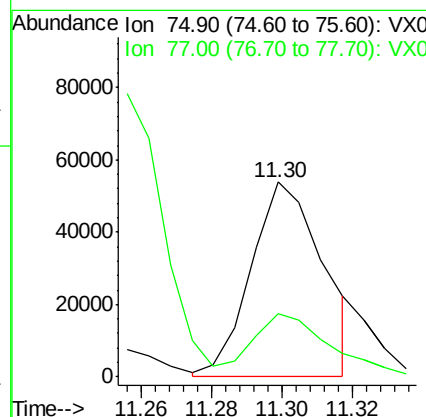
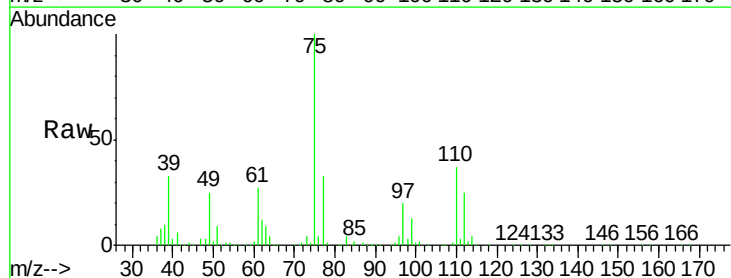
RT: 11.30 min Scan# 1757

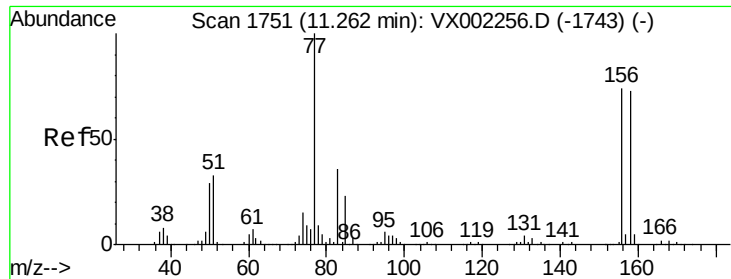
Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Tgt Ion:	75	Resp:	76918
Ion	Ratio	Lower	Upper
75	100		
77	35.4	22.8	68.3





#77

Bromobenzene

Concen: 18.622 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

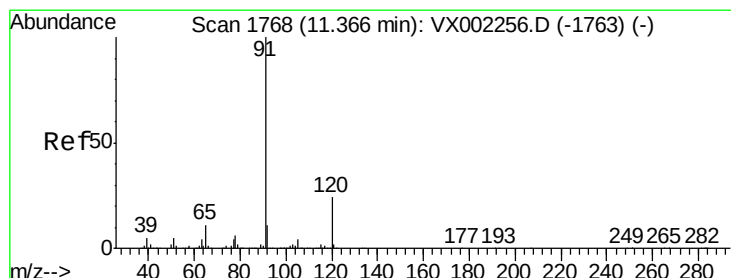
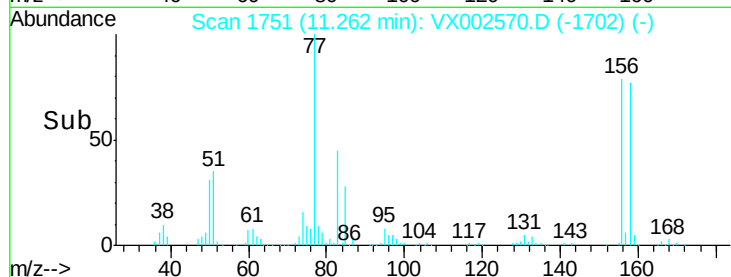
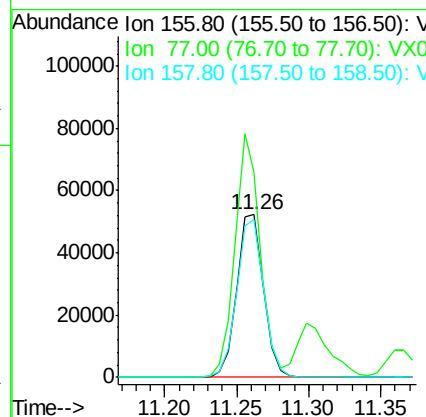
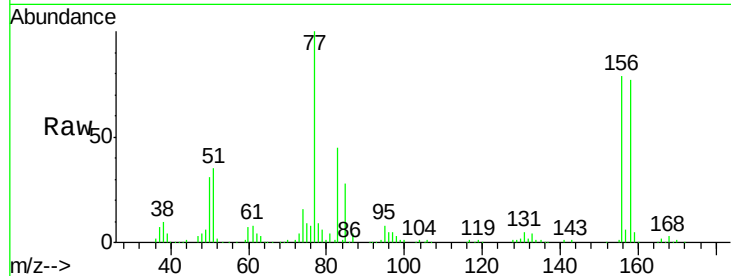
ClientSampleId :

VX0614WBSD02

Tot Ion:	156	Resp:	68284
Ion	Ratio	Lower	Upper
156	100		
77	140.6	71.4	214.2
158	98.3	48.9	146.6

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#78

n-propylbenzene

Concen: 19.437 ug/l

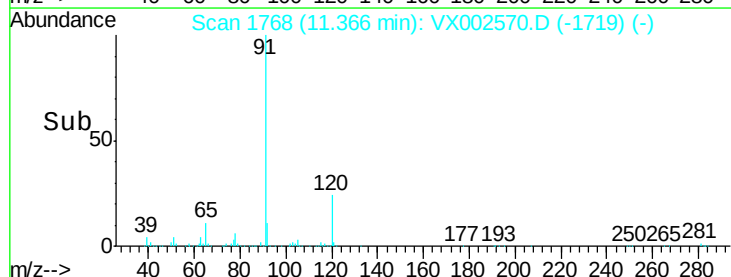
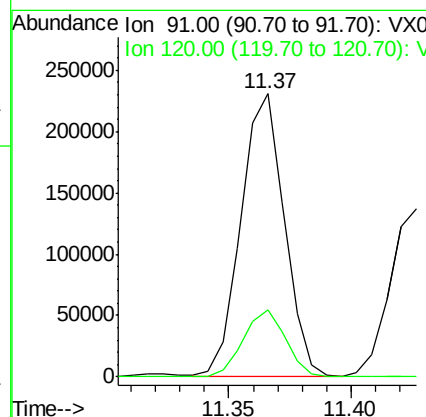
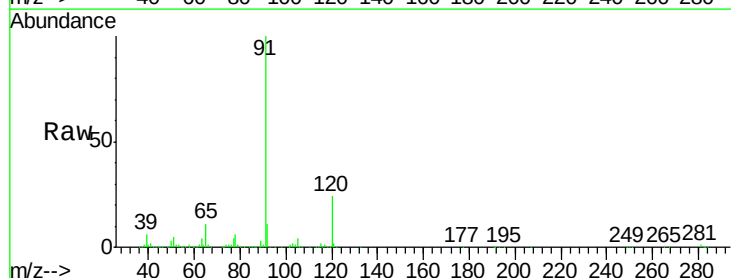
RT: 11.37 min Scan# 1768

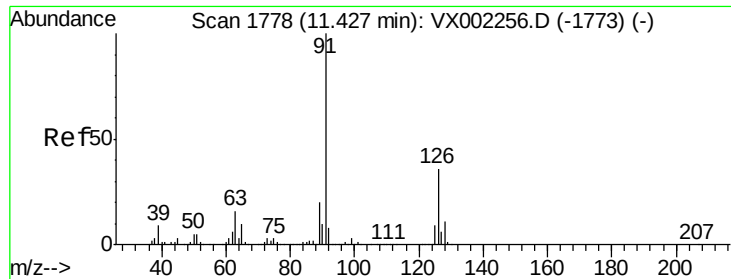
Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Tgt Ion:	91	Resp:	282178
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.4





#79

2-Chlorotoluene

Concen: 18.544 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampled :

VX0614WBSD02

Tot Ion: 91 Resp: 169993

Ion Ratio Lower Upper

91 100

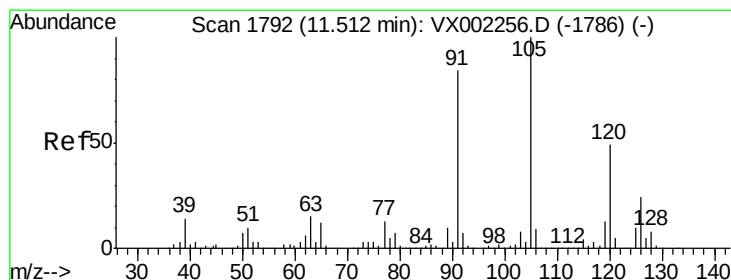
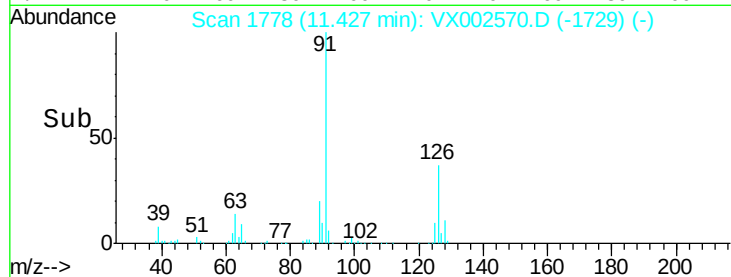
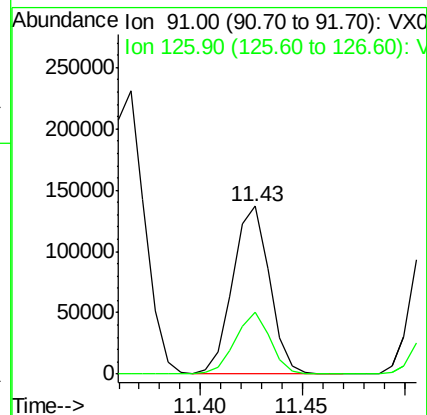
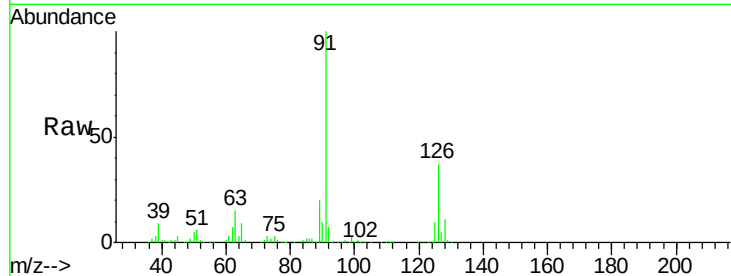
126 35.4 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 18.596 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002570.D

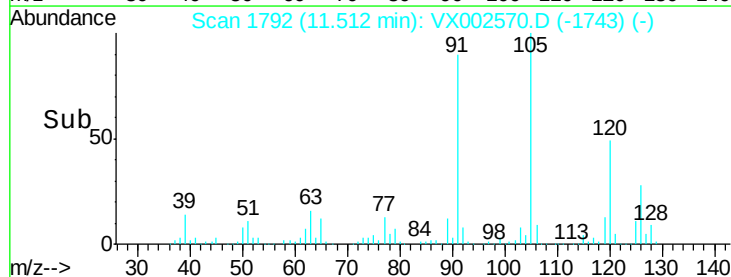
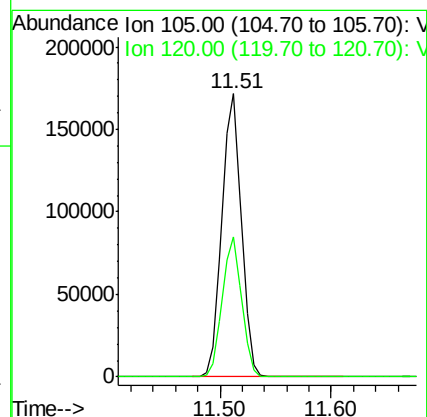
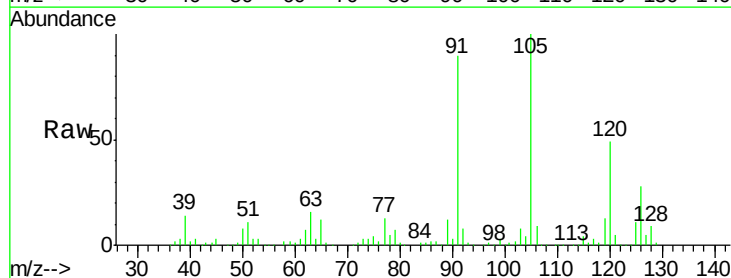
Acq: 15 Jun 2018 00:17

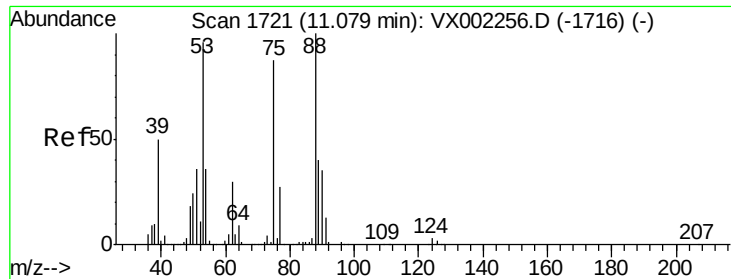
Tgt Ion: 105 Resp: 208335

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.4





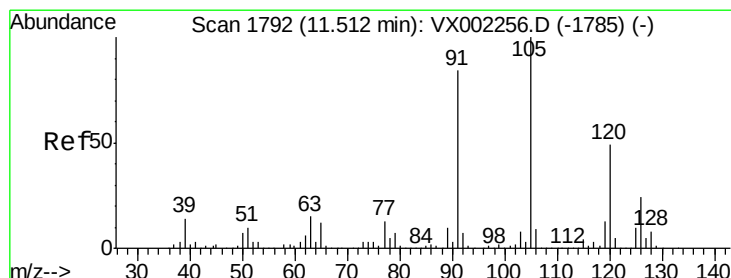
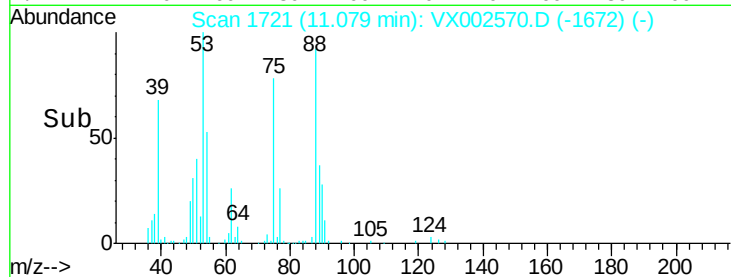
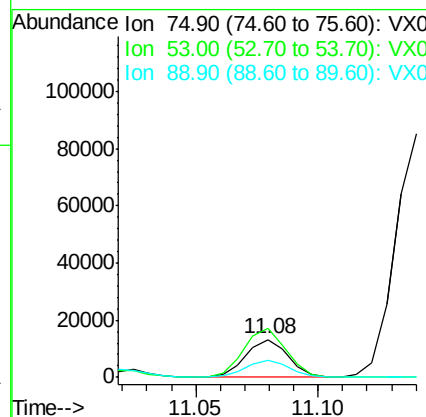
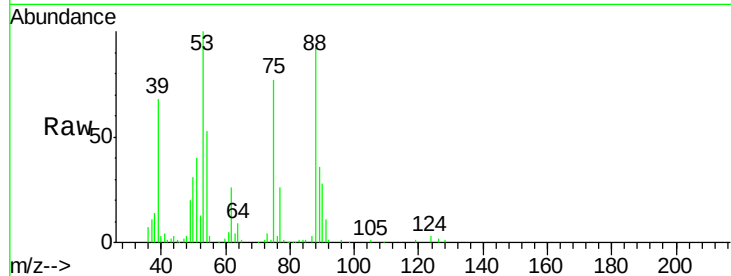
#81
trans-1,4-Dichloro-2-butene
Concen: 13.706 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion: 75 Resp: 16109
Ion Ratio Lower Upper
75 100
53 130.4 86.8 130.2#
89 46.7 38.2 57.2

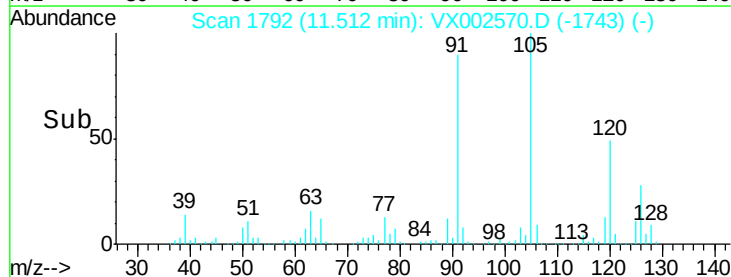
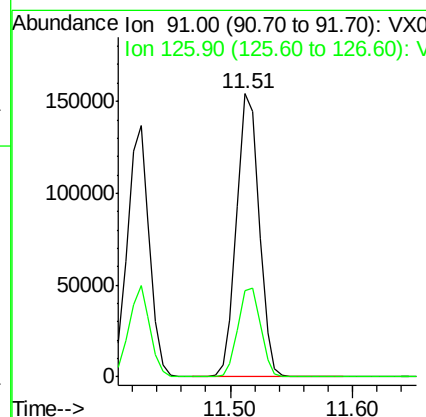
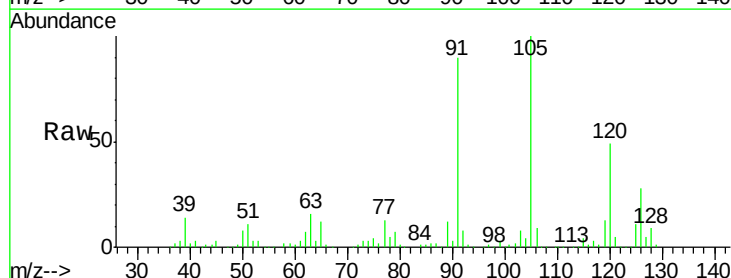
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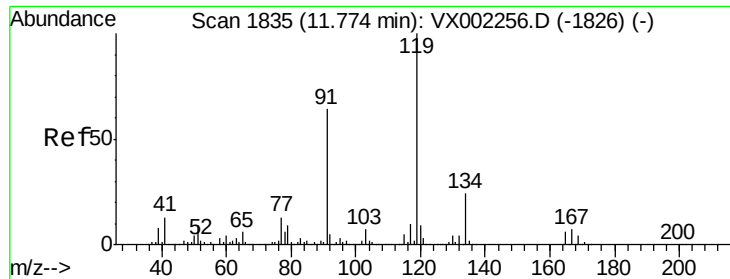
MMDadoda
6/15/2018 1:11:57 PM



#82
4-Chlorotoluene
Concen: 18.544 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion: 91 Resp: 196214
Ion Ratio Lower Upper
91 100
126 31.8 15.4 46.4





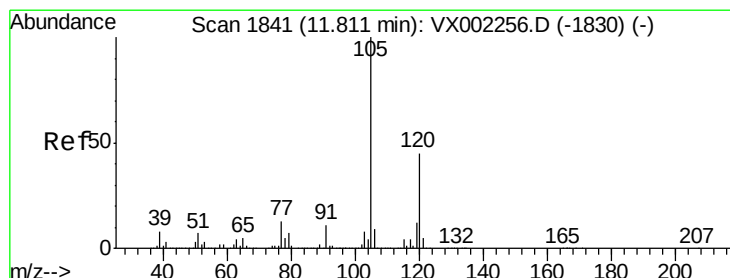
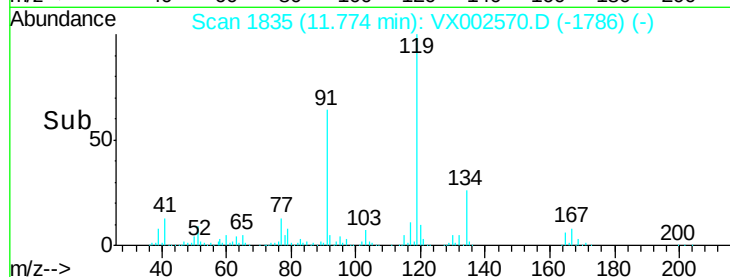
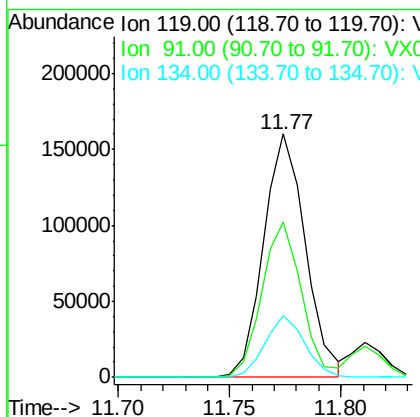
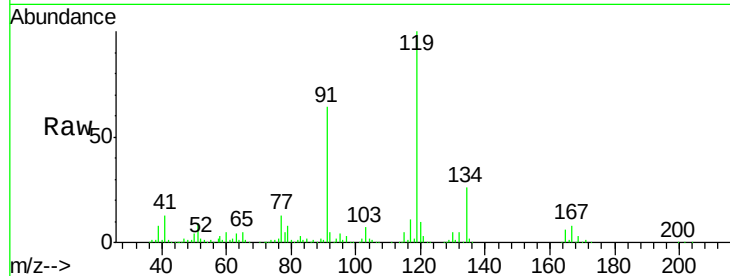
#83
 tert-Butylbenzene
 Concen: 19.143 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	208836		
91	60.8		30.3	90.9
134	24.0		11.7	35.1

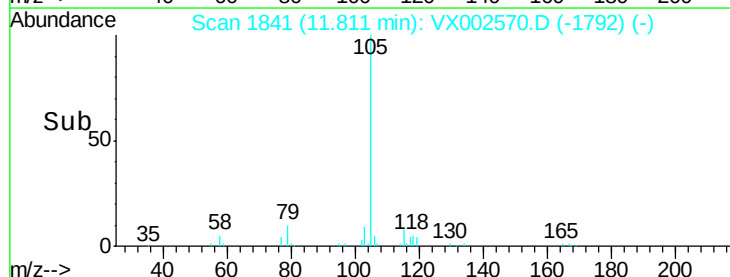
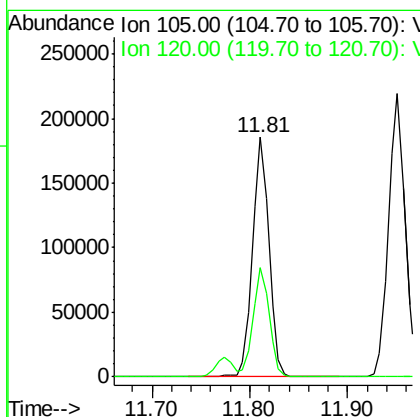
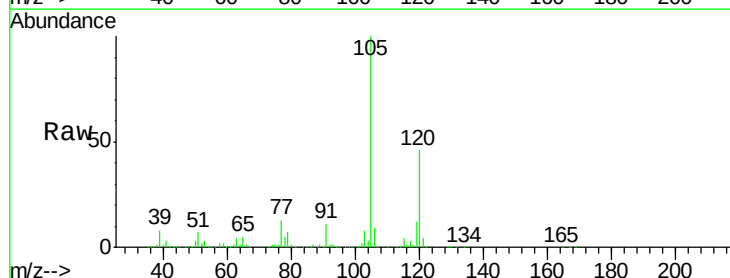
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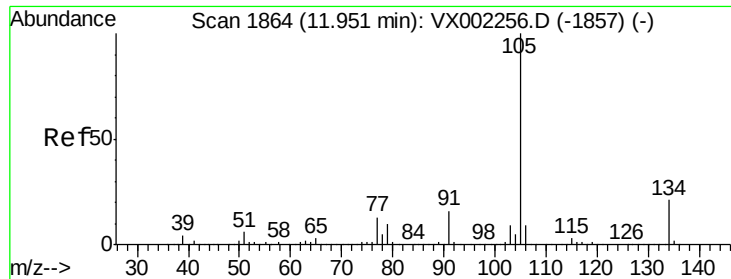
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.872 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217637		
120	44.9		22.3	66.8





#85

sec-Butylbenzene

Concen: 20.120 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

Instrument :

MSVOA_X

ClientSampleID :

VX0614WBSD02

Tot Ion:105 Resp: 257330

Ion Ratio Lower Upper

105 100

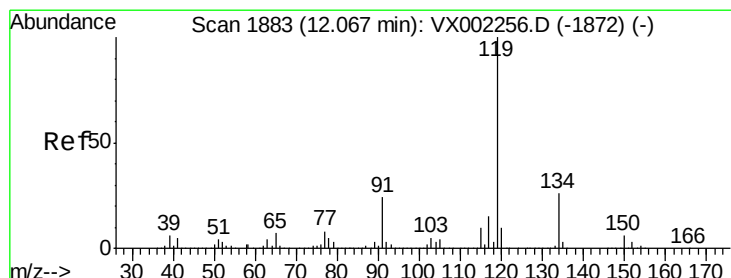
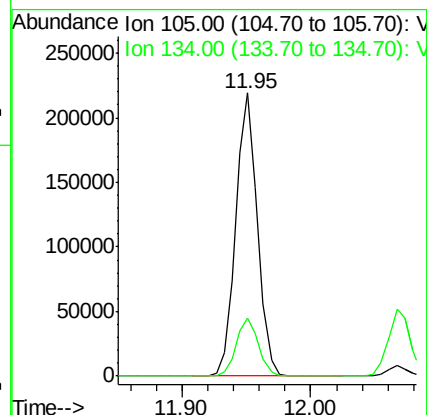
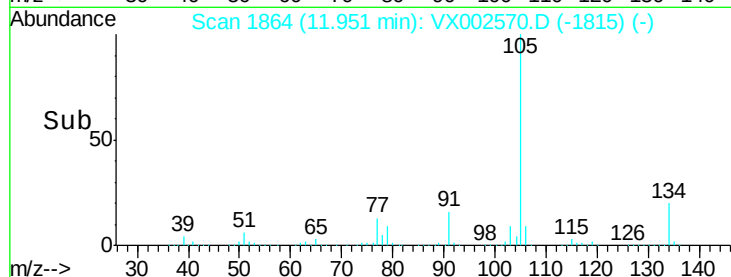
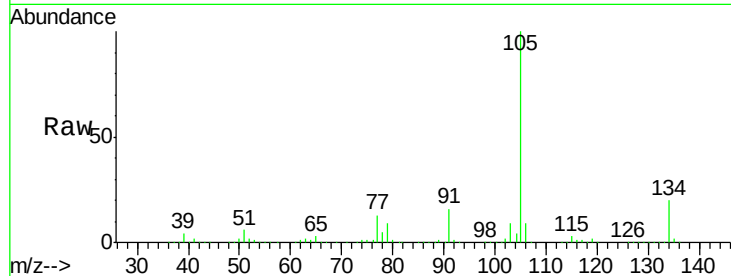
134 21.0 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 19.412 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002570.D

Acq: 15 Jun 2018 00:17

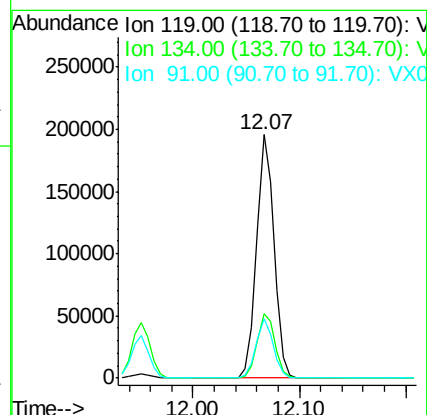
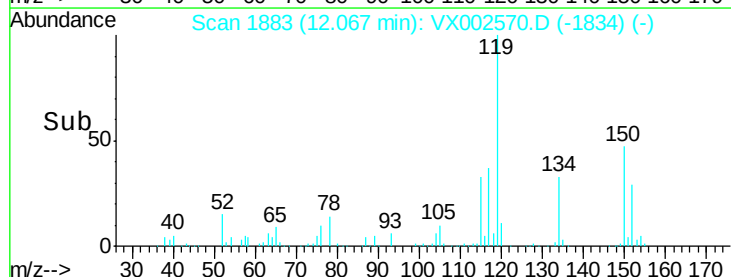
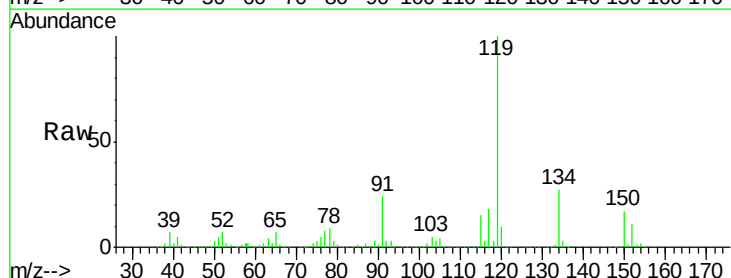
Tgt Ion:119 Resp: 226138

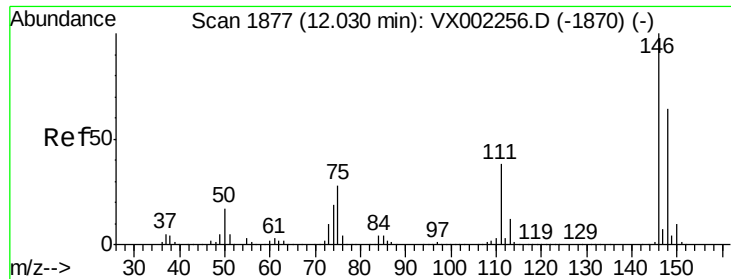
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 24.3 11.9 35.7





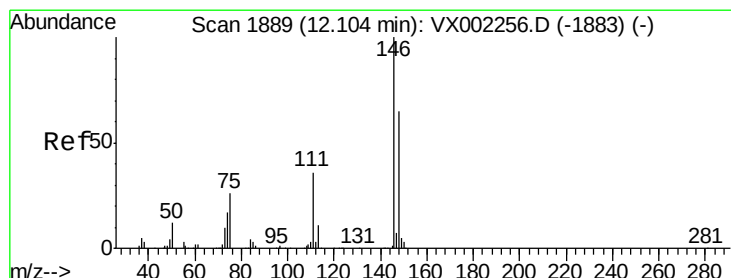
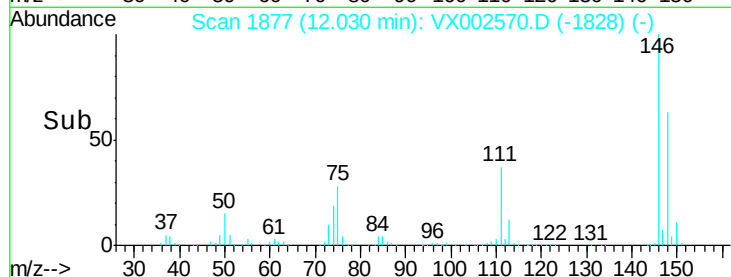
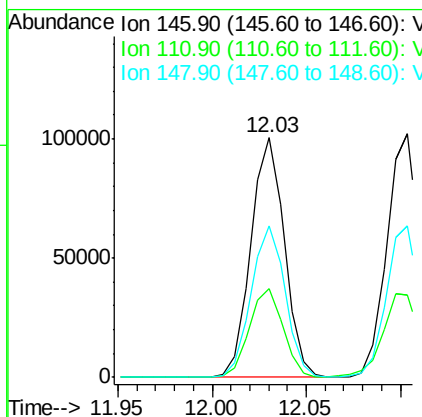
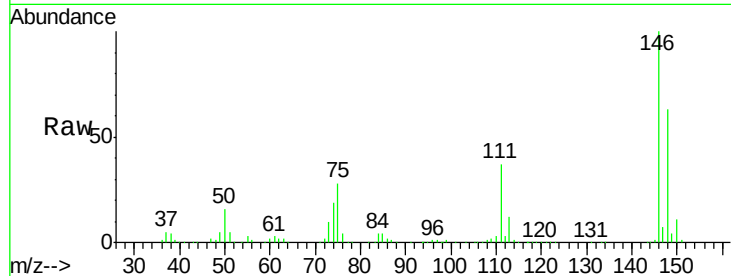
#87
 1,3-Dichlorobenzene
 Concen: 18.944 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	63.9	32.1	96.3

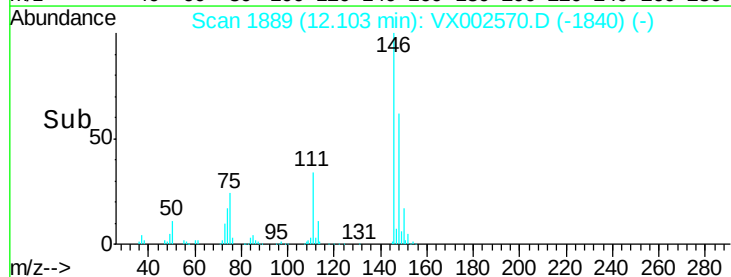
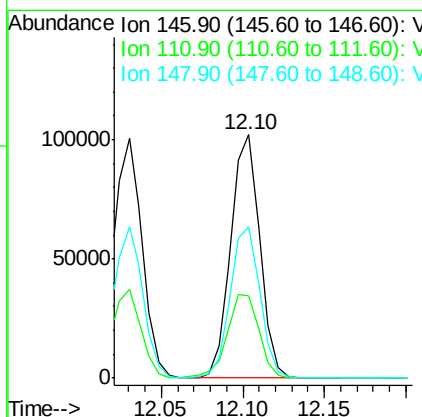
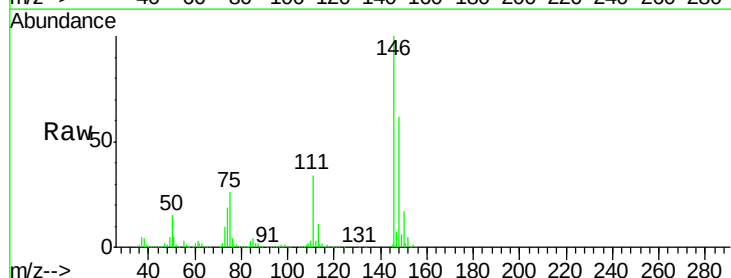
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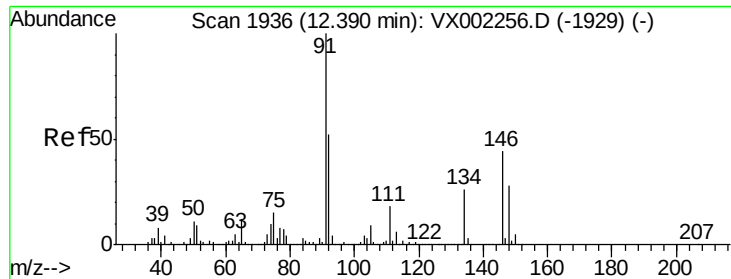
MMDadoda
 6/15/2018 1:11:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.662 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	63.8	32.4	97.0





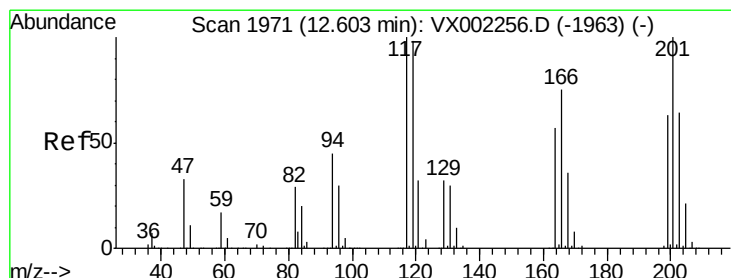
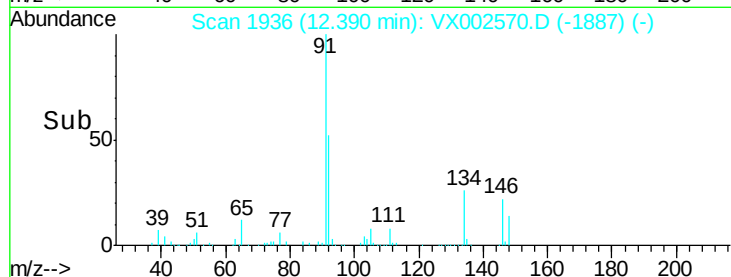
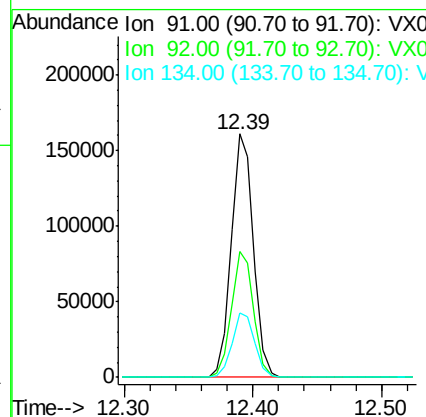
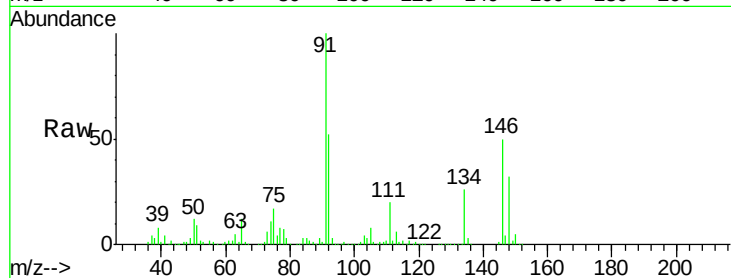
#89
n-Butylbenzene
Concen: 19.930 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	26.8	13.5	40.5

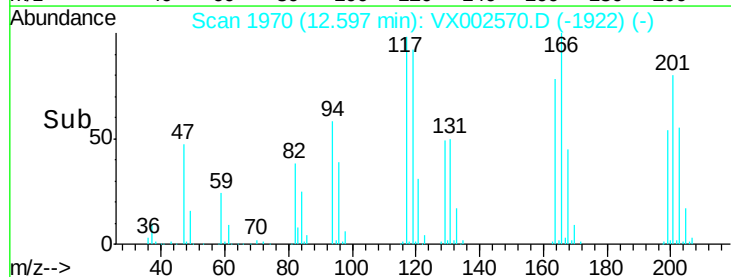
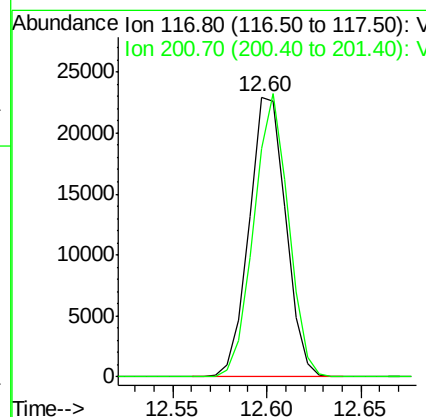
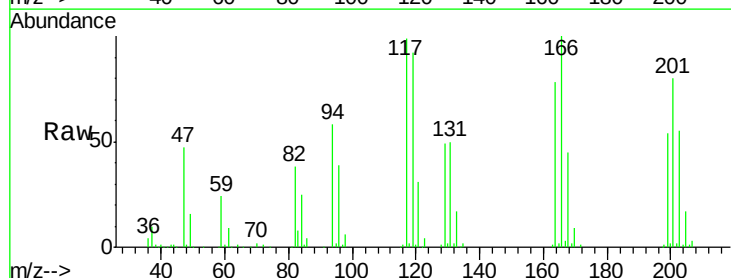
Manual Integrations
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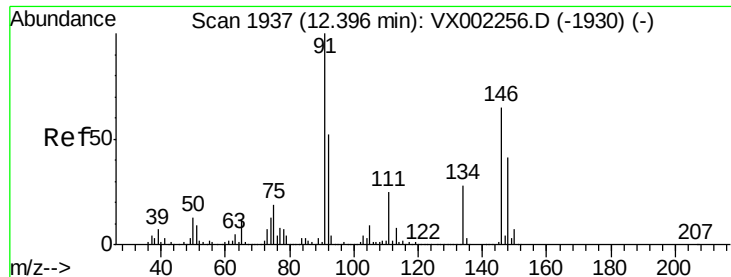
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6/15/2018 1:11:57 PM



#90
Hexachloroethane
Concen: 16.641 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.1	49.0	147.0





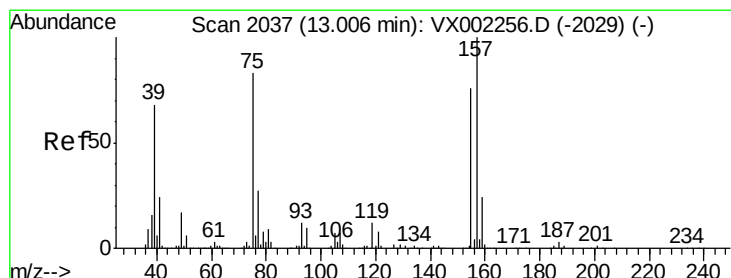
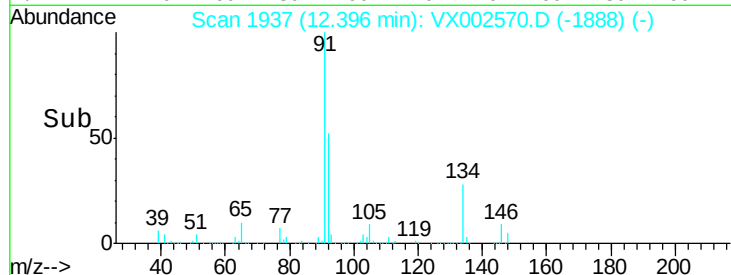
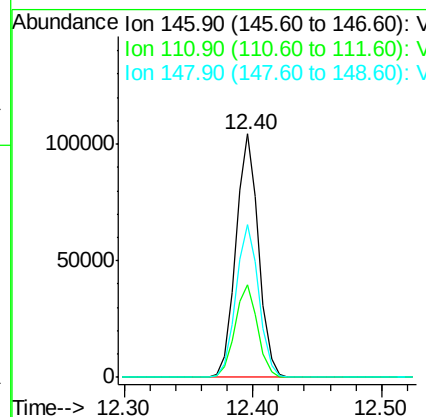
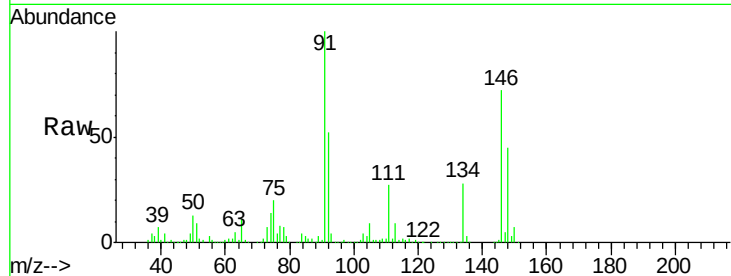
#91
 1,2-Dichlorobenzene
 Concen: 18.900 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	63.6	31.7	95.1

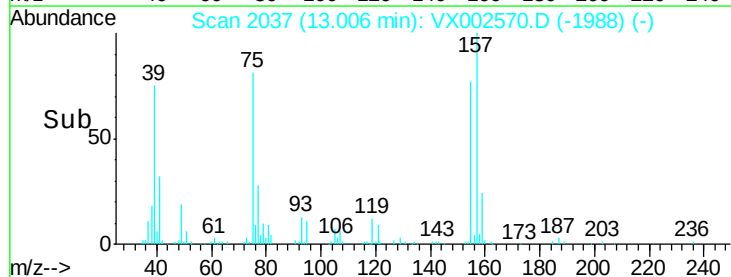
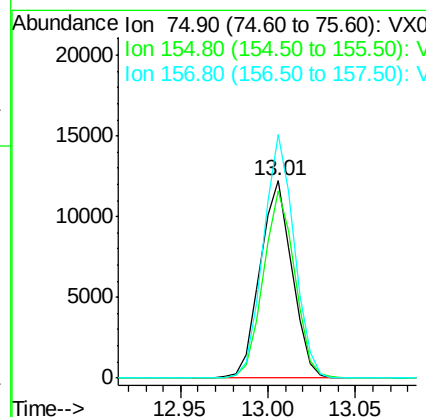
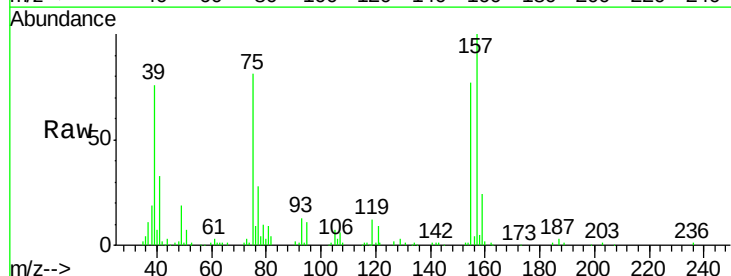
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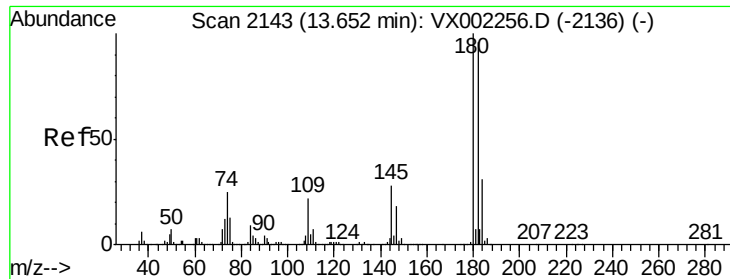
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.315 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	45.8	137.4
157	118.6	60.1	180.3





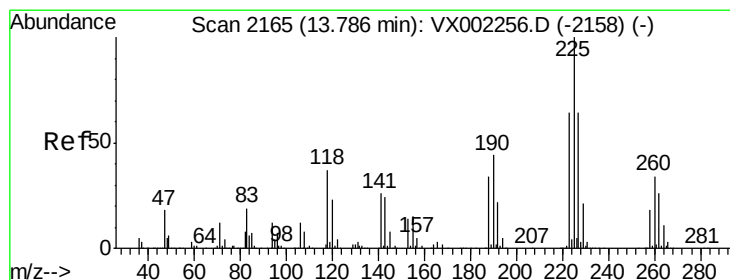
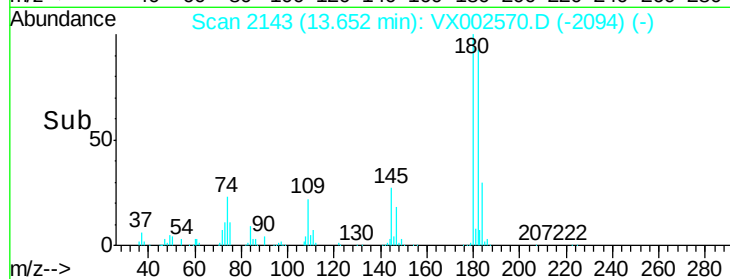
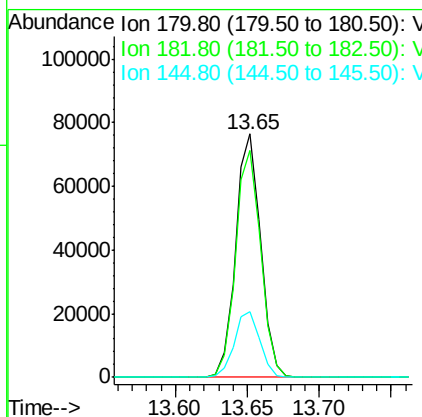
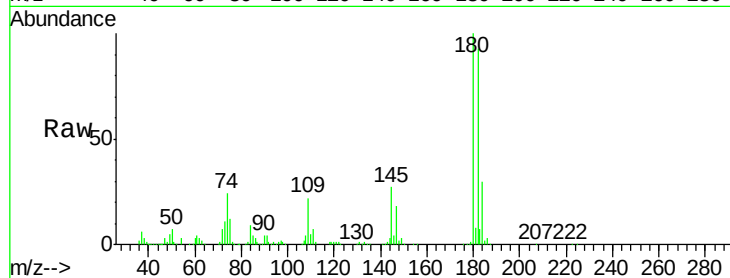
#93
 1,2,4-Trichlorobenzene
 Concen: 19.384 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.7	143.1
145	28.0	14.1	42.4

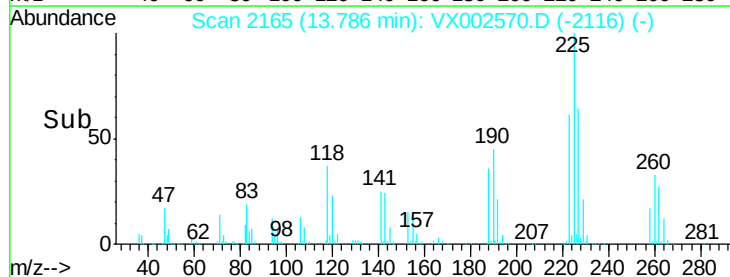
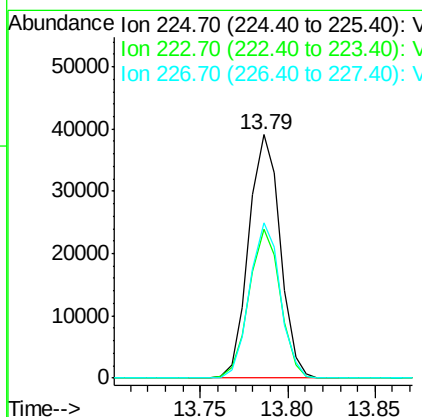
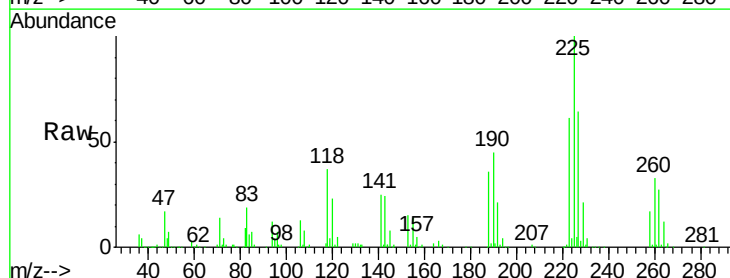
Manual Integrations
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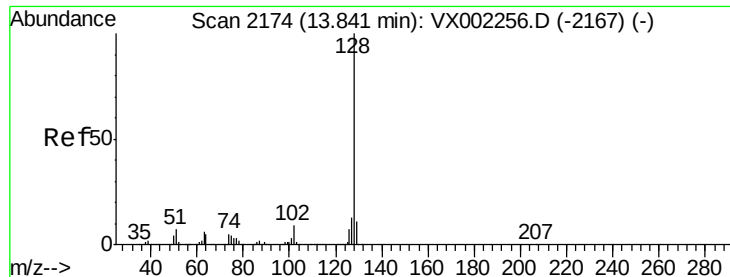
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#94
 Hexachlorobutadiene
 Concen: 20.796 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002570.D
 Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.6	95.0
227	62.2	32.4	97.2





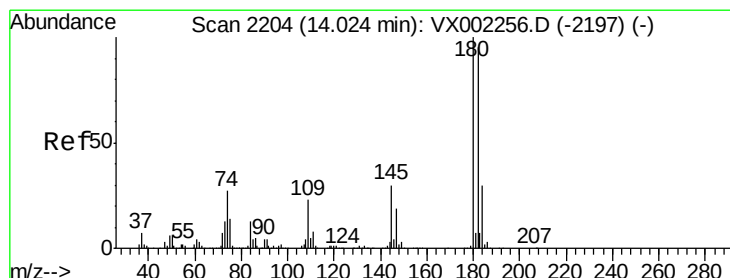
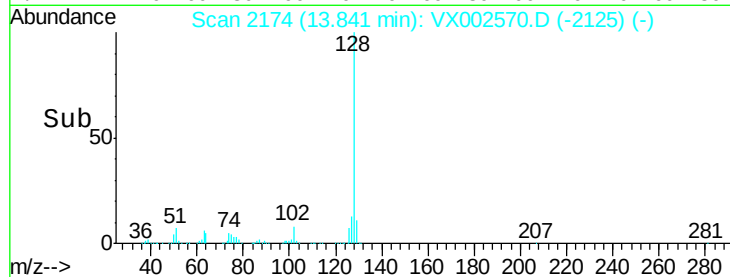
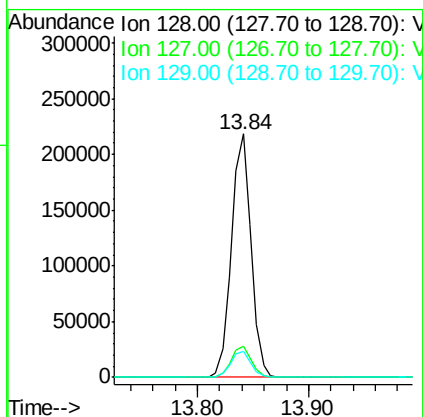
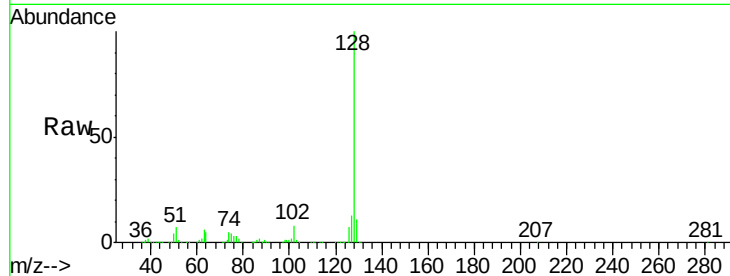
#95
Naphthalene
Concen: 19.370 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.272 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002570.D
Acq: 15 Jun 2018 00:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.0	144.0
145	29.7	14.8	44.3

