

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002144.D
 Acq On : 30 May 2018 17:59
 Operator : JC/MD
 Sample : VX0530WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sample ID :
 VX0530WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:47 PM

Quant Time: May 31 04:02:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	185078	39.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.42%	
35) Dibromofluoromethane	5.51	113	142737	39.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.72%	
50) Toluene-d8	8.72	98	536762	41.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.80%	
62) 4-Bromofluorobenzene	11.14	95	207431	40.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56003	15.77	ug/l	98
3) Chloromethane	1.32	50	72017	17.95	ug/l	100
4) Vinyl Chloride	1.40	62	74947	19.35	ug/l	100
5) Bromomethane	1.64	94	42505	23.33	ug/l	99
6) Chloroethane	1.73	64	47578	20.84	ug/l	99
7) Trichlorofluoromethane	1.93	101	122591	21.07	ug/l	100
8) Diethyl Ether	2.19	74	45279	21.45	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71347	21.98	ug/l	97
10) Methyl Iodide	2.51	142	58638	13.35	ug/l	98
11) Tert butyl alcohol	3.06	59	95453	104.34	ug/l	98
12) 1,1-Dichloroethene	2.37	96	63525	20.90	ug/l	96
13) Acrolein	2.29	56	28605	72.32	ug/l	98
14) Allyl chloride	2.73	41	133357	20.90	ug/l	97
15) Acrylonitrile	3.15	53	198476	105.50	ug/l	99
16) Acetone	2.45	43	194754	108.28	ug/l	100
17) Carbon Disulfide	2.57	76	158153	18.08	ug/l	99
18) Methyl Acetate	2.78	43	99006	22.22	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	240021	21.00	ug/l	99
20) Methylene Chloride	2.86	84	71916	22.16	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	66778	21.68	ug/l	96
22) Diisopropyl ether	3.87	45	257234	19.82	ug/l	97
23) Vinyl Acetate	3.82	43	1127080	104.76	ug/l	98
24) 1,1-Dichloroethane	3.70	63	133384	21.64	ug/l	99
25) 2-Butanone	4.71	43	277679	84.23	ug/l	98
26) 2,2-Dichloropropane	4.59	77	104883	16.81	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	70764	17.86	ug/l	96
28) Bromochloromethane	5.02	49	64039	23.65	ug/l	99
29) Tetrahydrofuran	5.17	42	181760	84.74	ug/l	100
30) Chloroform	5.22	83	121559	17.50	ug/l	98
31) Cyclohexane	5.58	56	114178	17.78	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	110338	17.04	ug/l	98
36) 1,1-Dichloropropene	5.81	75	93194	18.71	ug/l	100
37) Ethyl Acetate	4.87	43	109498	16.86	ug/l	99
38) Carbon Tetrachloride	5.78	117	96282	16.58	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	118201	19.32	ug/l	99
40) Benzene	6.15	78	273924	18.77	ug/l	99
41) Methacrylonitrile	5.06	41	62326	17.30	ug/l	98
42) 1,2-Dichloroethane	6.20	62	105428	18.09	ug/l	100
43) Isopropyl Acetate	6.47	43	185977	17.19	ug/l	99
44) Trichloroethene	7.21	130	79030	18.58	ug/l	99
45) 1,2-Dichloropropane	7.52	63	73116	18.45	ug/l	99
46) Dibromomethane	7.67	93	47848	18.24	ug/l	100
47) Bromodichloromethane	7.90	83	89195	15.94	ug/l	98
48) Methyl methacrylate	7.78	41	94625	17.18	ug/l	98
49) 1,4-Dioxane	7.76	88	34349	353.95	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	591703	90.72	ug/l	98
52) Toluene	8.79	92	175178	18.86	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	110173	17.10	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	102384	16.31	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	70231	18.10	ug/l	98
56) Ethyl methacrylate	9.18	69	114329	17.13	ug/l	99
57) 1,3-Dichloropropane	9.38	76	118090	18.48	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	263769	89.18	ug/l	100
59) 2-Hexanone	9.50	43	451222	89.72	ug/l	100
60) Dibromochloromethane	9.59	129	70674	15.38	ug/l	99
61) 1,2-Dibromoethane	9.68	107	73369	18.02	ug/l	100
64) Tetrachloroethene	9.34	164	92166	19.61	ug/l	97
65) Chlorobenzene	10.14	112	198101	19.07	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	71684	17.09	ug/l	100
67) Ethyl Benzene	10.26	91	344432	19.08	ug/l	100
68) m/p-Xylenes	10.36	106	263112	38.14	ug/l	99
69) o-Xylene	10.70	106	130961	19.01	ug/l	99
70) Styrene	10.71	104	211795	18.54	ug/l	100
71) Bromoform	10.86	173	55019	13.83	ug/l	99
73) Isopropylbenzene	11.02	105	352225	19.22	ug/l	100
74) N-amyl acetate	6.47	43	185977	17.52	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	99199	19.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	91815m	17.67	ug/l	
77) Bromobenzene	11.26	156	91621	18.85	ug/l	97
78) n-propylbenzene	11.37	91	398689	19.43	ug/l	100
79) 2-Chlorotoluene	11.43	91	236463	19.60	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	297692	19.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	30816	14.25	ug/l	89
82) 4-Chlorotoluene	11.51	91	279044	19.28	ug/l	100
83) tert-Butylbenzene	11.77	119	289610	18.85	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	304626	18.83	ug/l	100
85) sec-Butylbenzene	11.95	105	360493	19.52	ug/l	99
86) p-Isopropyltoluene	12.07	119	322622	19.52	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	167477	19.24	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	167712	19.27	ug/l	99
89) n-Butylbenzene	12.39	91	276527	19.74	ug/l	99
90) Hexachloroethane	12.60	117	48236	14.80	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	170793	19.25	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	23759	14.58	ug/l	98

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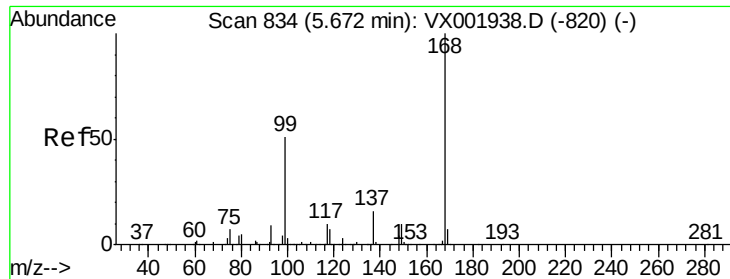
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121422	19.14	ug/l	99
94) Hexachlorobutadiene	13.79	225	66986	19.63	ug/l	100
95) Naphthalene	13.84	128	362422	18.55	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	124756	19.01	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion:168 Resp: 260734

Ion Ratio Lower Upper

168 100

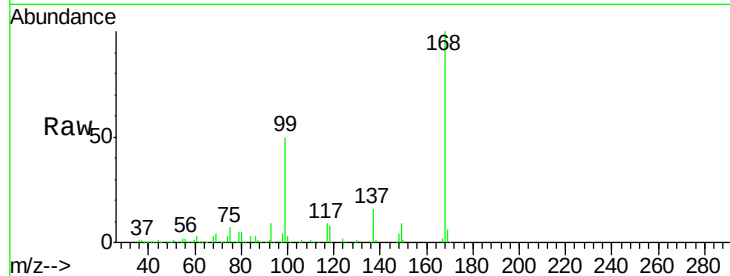
99 49.9 41.0 61.4

Manual Integrations

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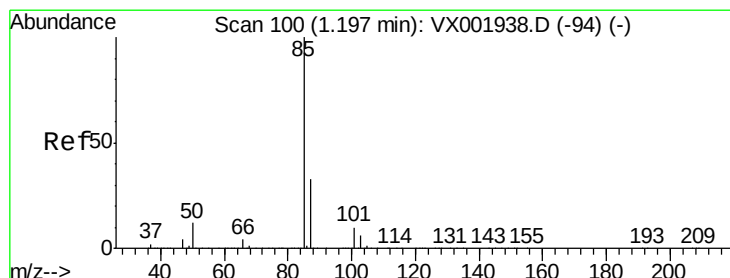
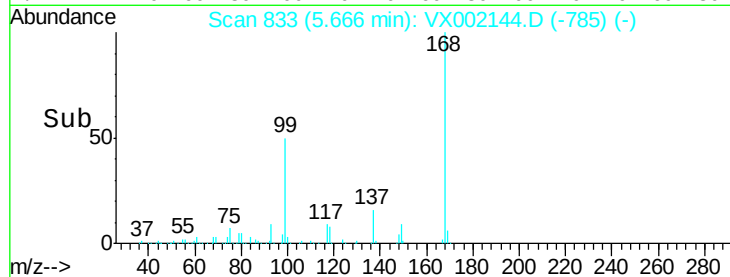
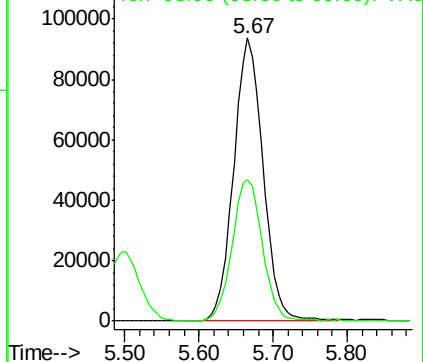
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.77 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002144.D

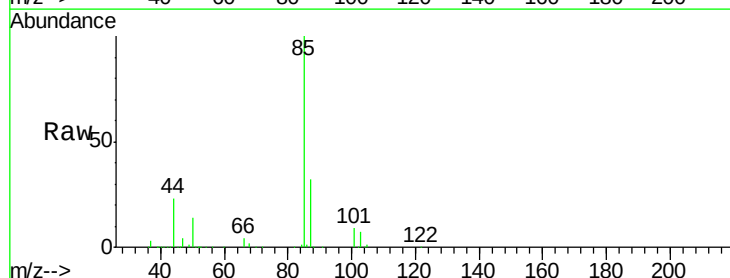
Acq: 30 May 2018 17:59

Tgt Ion: 85 Resp: 56003

Ion Ratio Lower Upper

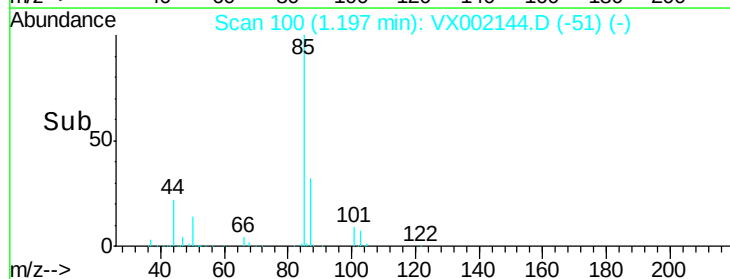
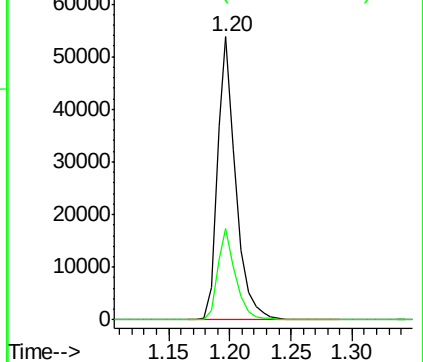
85 100

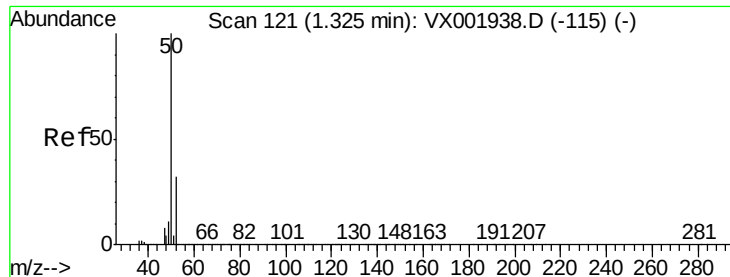
87 32.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.95 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion: 50 Resp: 72017

Ion Ratio Lower Upper

50 100

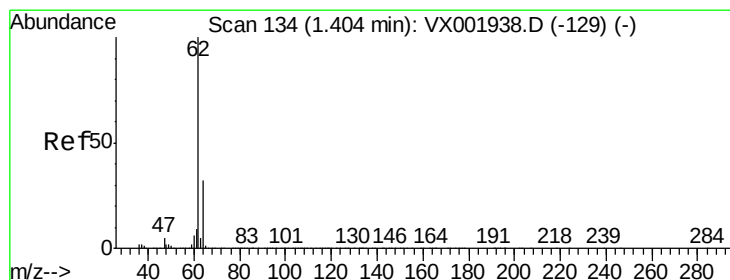
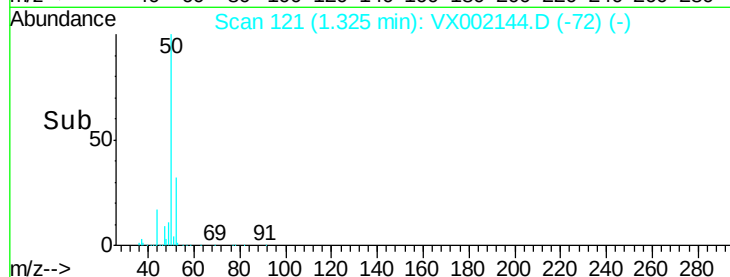
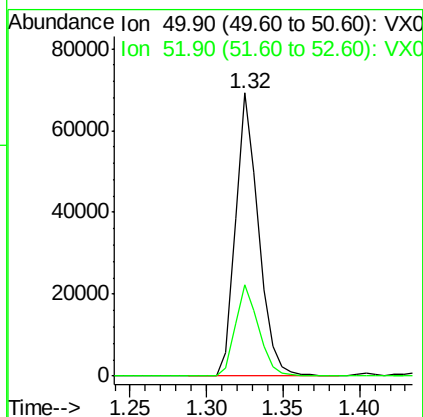
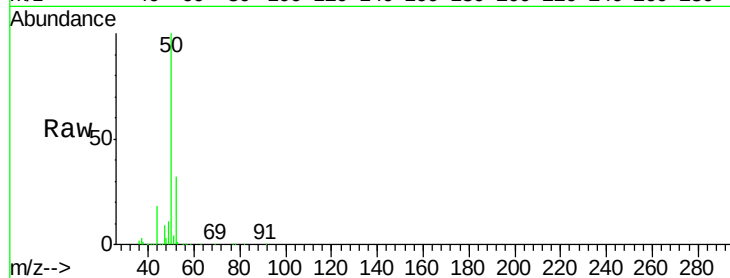
52 32.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.35 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002144.D

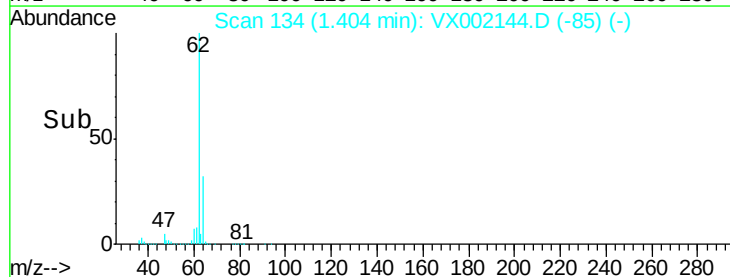
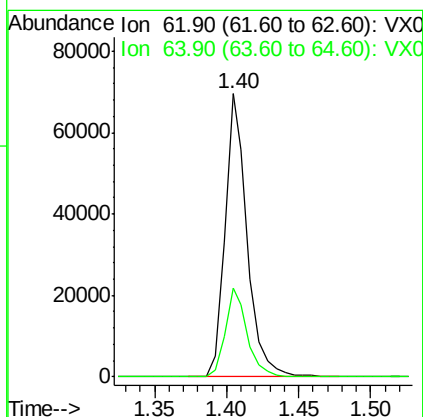
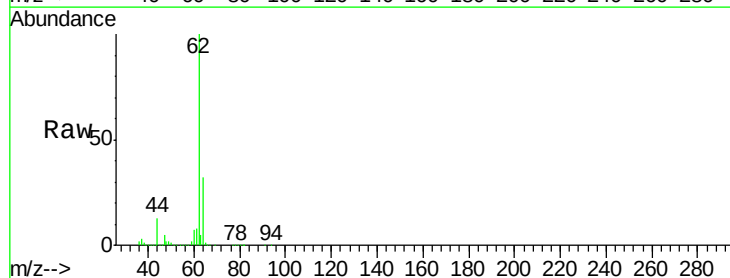
Acq: 30 May 2018 17:59

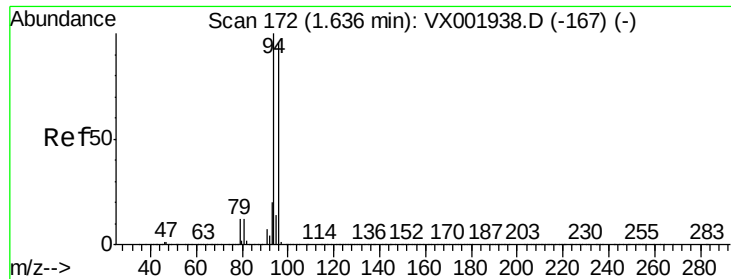
Tgt Ion: 62 Resp: 74947

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 23.33 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion: 94 Resp: 42505

Ion Ratio Lower Upper

94 100

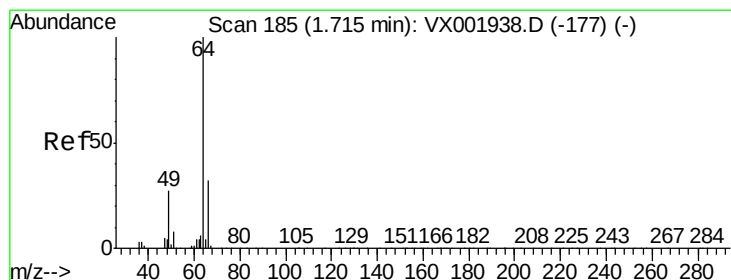
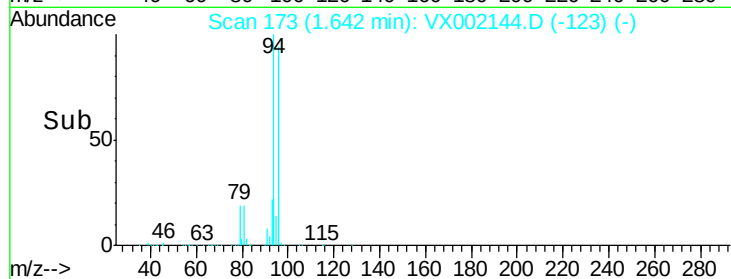
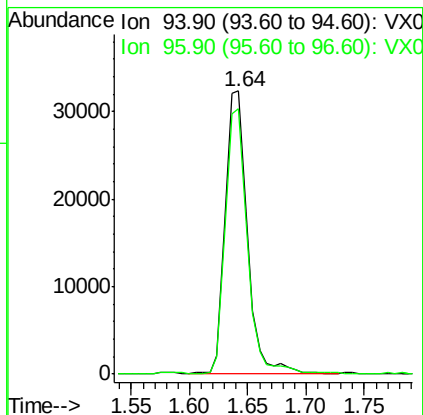
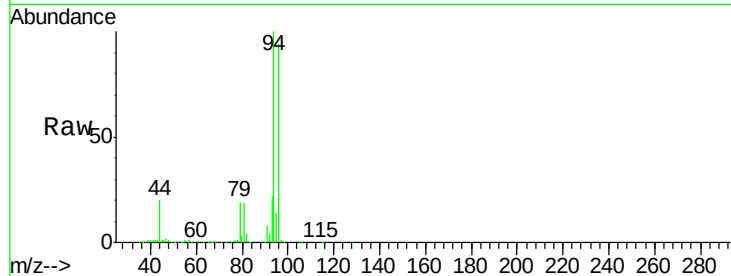
96 93.9 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 20.84 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002144.D

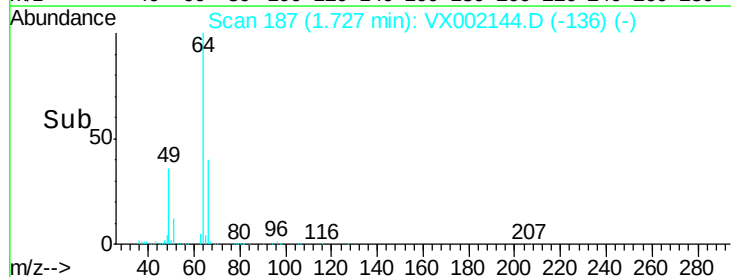
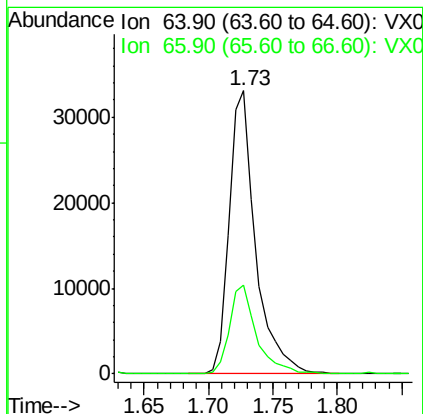
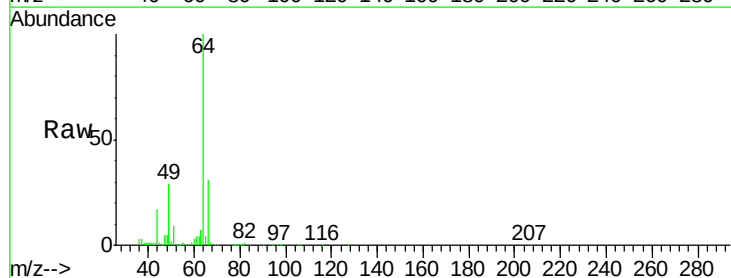
Acq: 30 May 2018 17:59

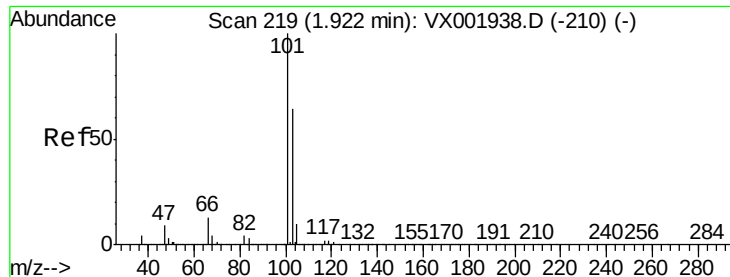
Tgt Ion: 64 Resp: 47578

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4





#7

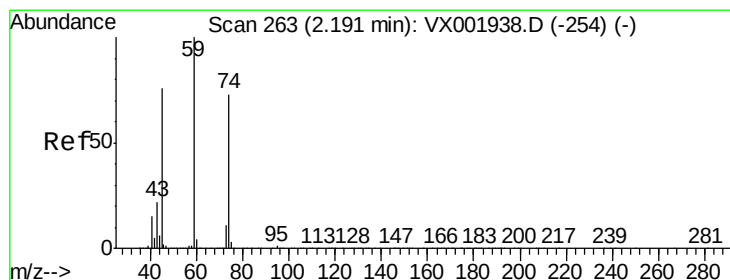
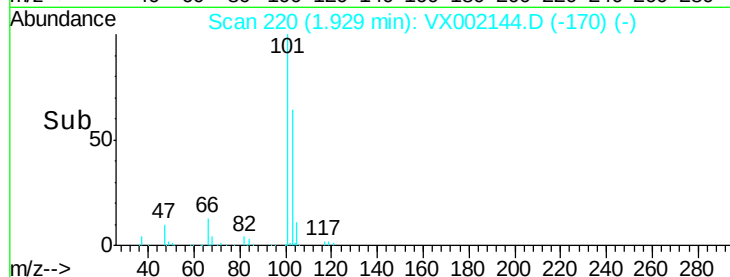
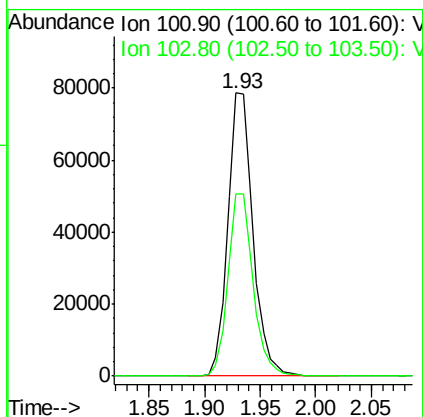
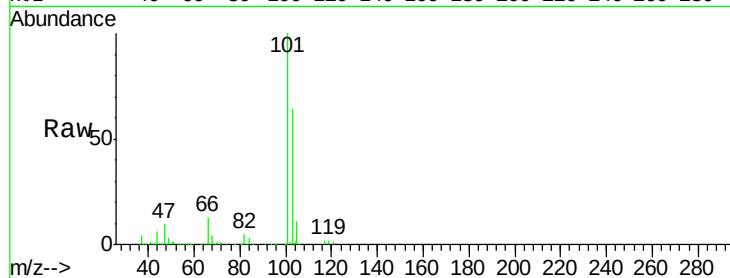
Trichlorofluoromethane
Concen: 21.07 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
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ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.0

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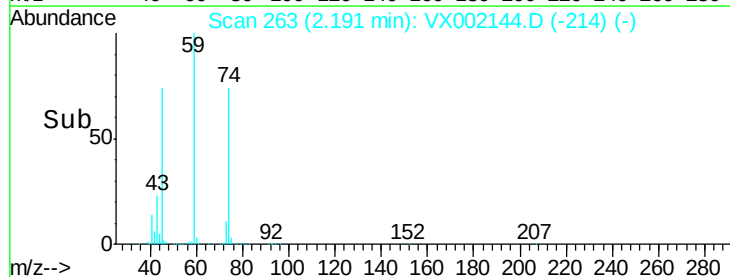
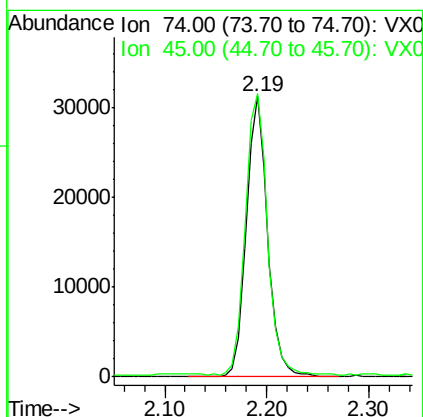
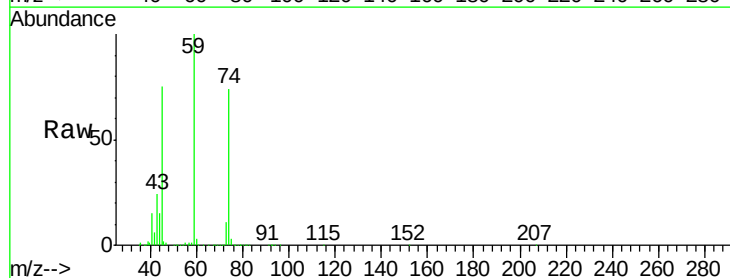
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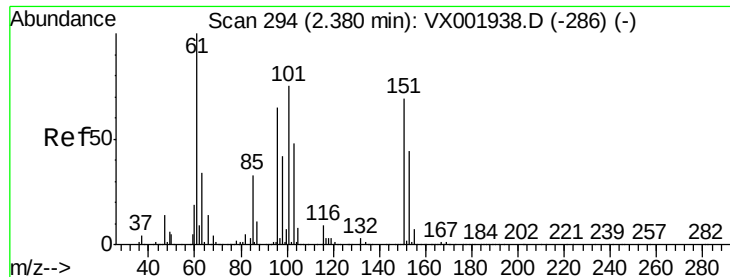


#8

Diethyl Ether
Concen: 21.45 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.98 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

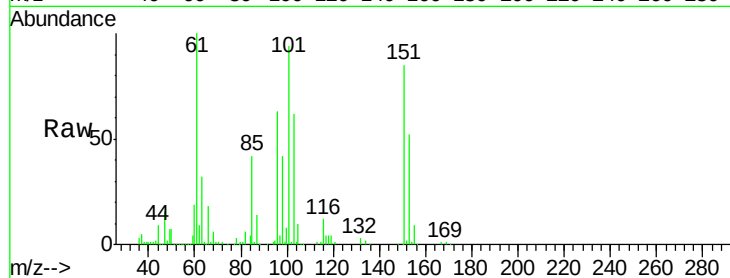
ClientSampleId :

VX0530WBS02

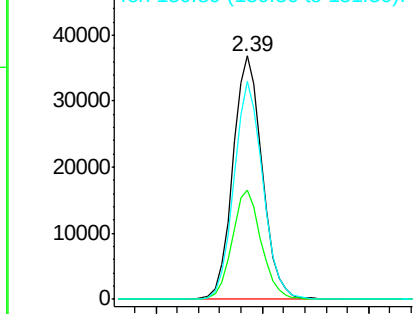
Tot Ion:	101	Resp:	71347
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.6	53.4
151	88.2	73.2	109.8

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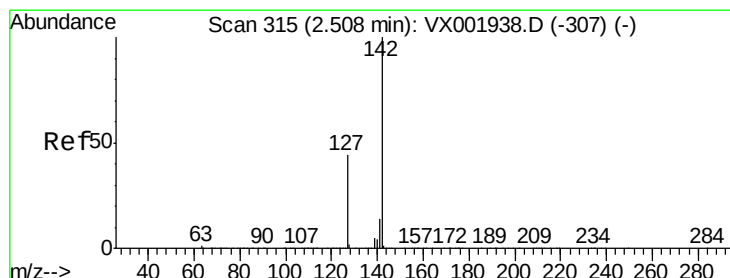
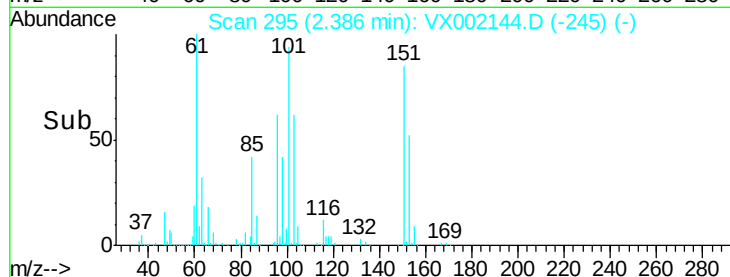
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



Time--> 2.30 2.40 2.50



#10

Methyl Iodide

Concen: 13.35 ug/l

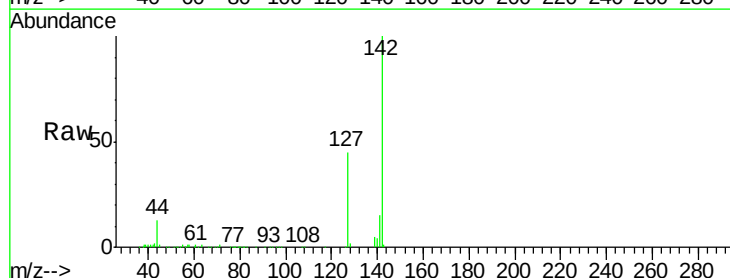
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

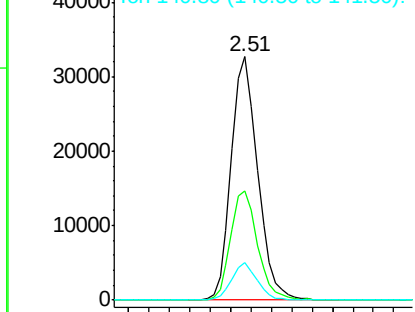
Lab File: VX002144.D

Acq: 30 May 2018 17:59

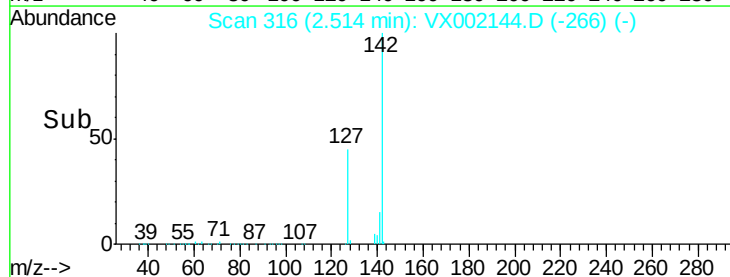
Tgt Ion:	142	Resp:	58638
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.5	53.3
141	14.9	11.3	16.9

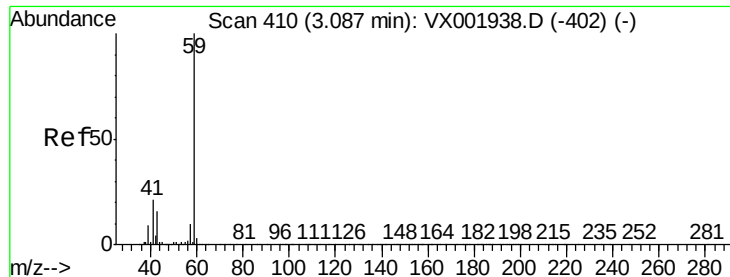


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



Time--> 2.40 2.50 2.60





#11

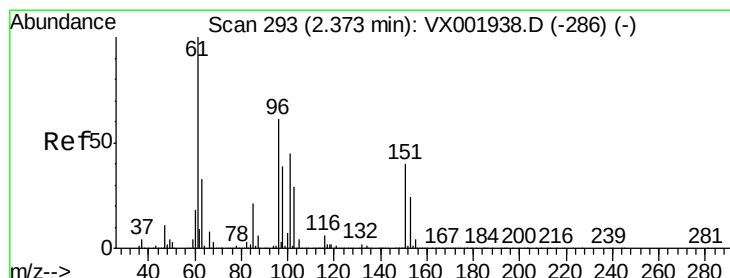
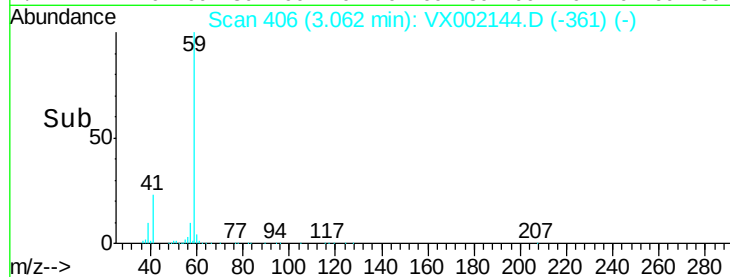
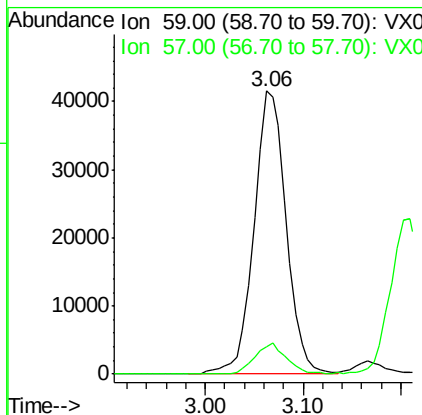
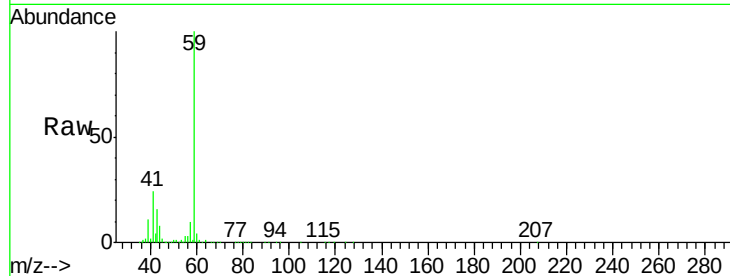
Tert butyl alcohol
 Concen: 104.34 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.9	13.3

Manual Integrations
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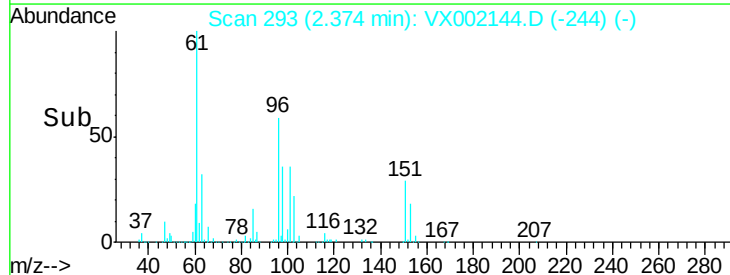
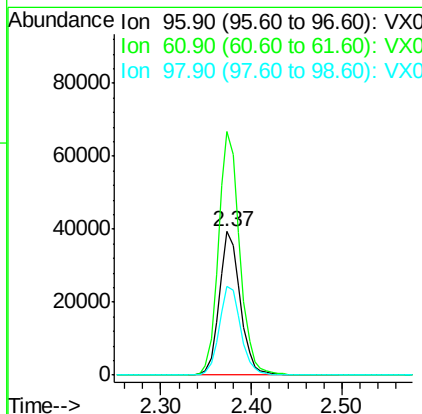
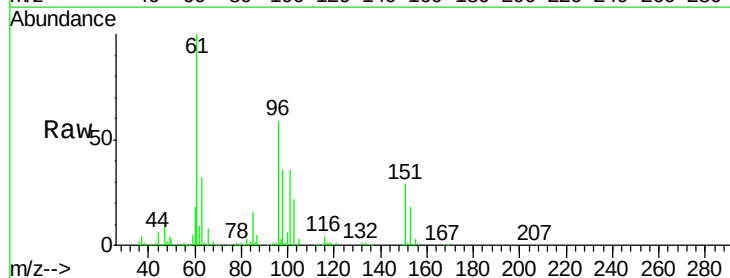
MMDadoda
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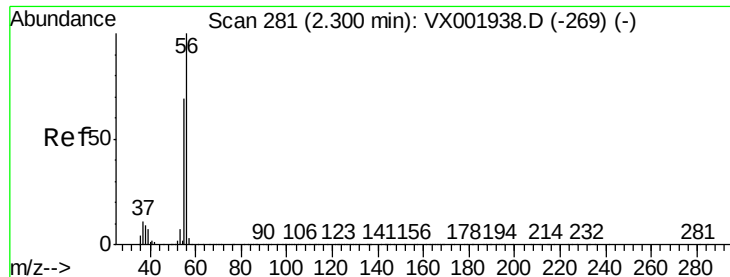


#12

1,1-Dichloroethene
 Concen: 20.90 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.5	131.7	197.5
98	61.7	51.6	77.4





#13

Acrolein

Concen: 72.32 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion: 56 Resp: 28605

Ion Ratio Lower Upper

56 100

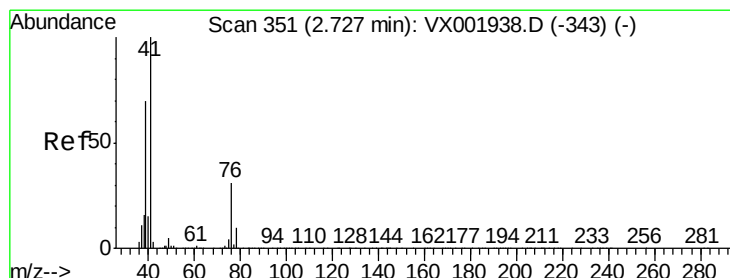
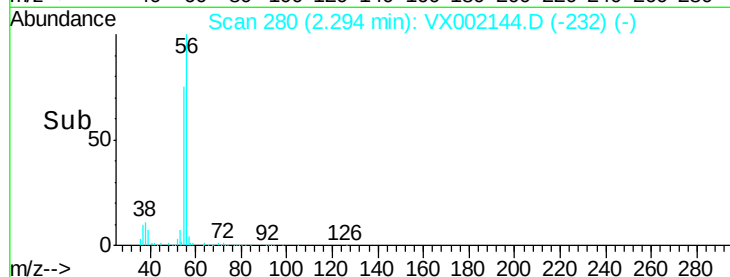
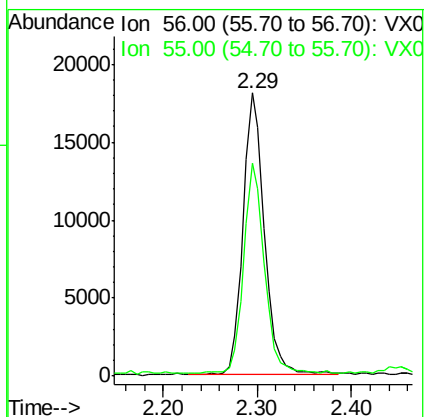
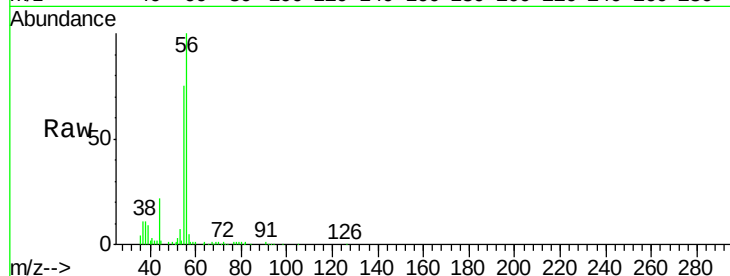
55 72.8 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.90 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

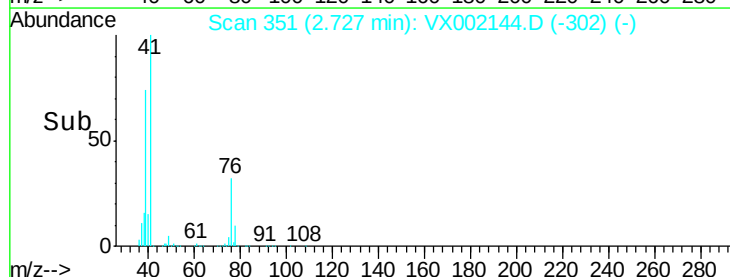
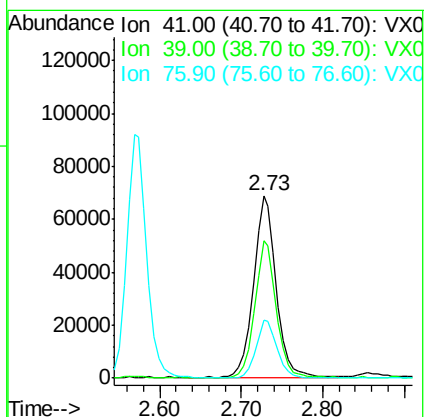
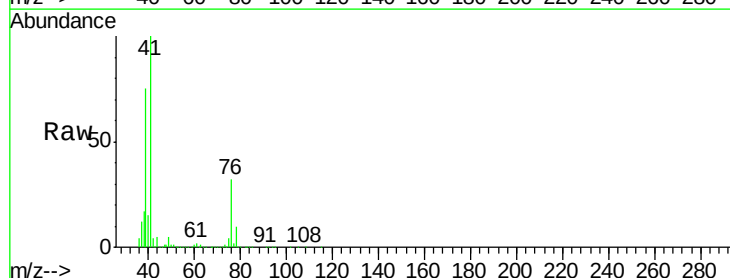
Tgt Ion: 41 Resp: 133357

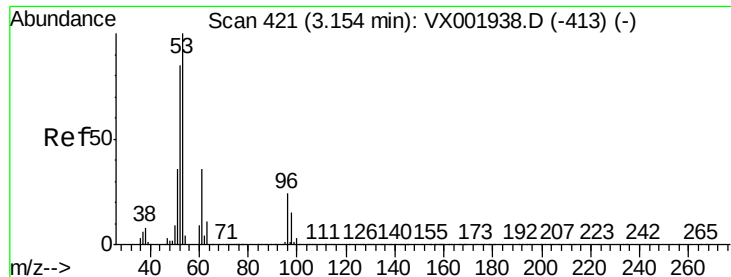
Ion Ratio Lower Upper

41 100

39 70.6 54.3 81.5

76 29.8 24.2 36.4





#15

Acrylonitrile

Concen: 105.50 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

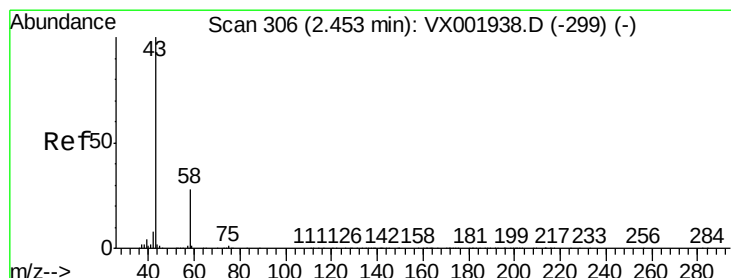
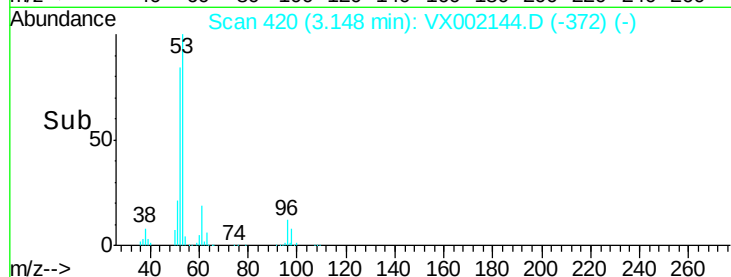
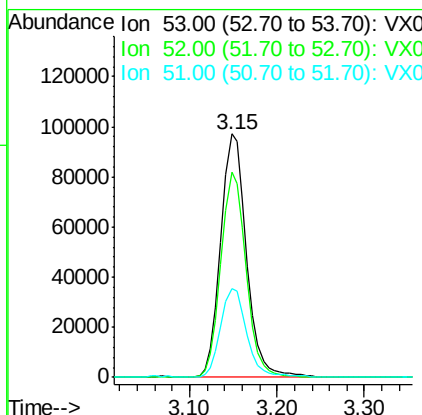
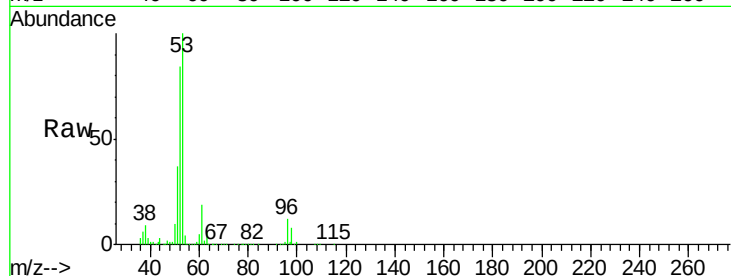
ClientSampleId :

VX0530WBS02

Tot Ion:	53	Resp:	198476
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.4	99.6
51	37.1	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 108.28 ug/l

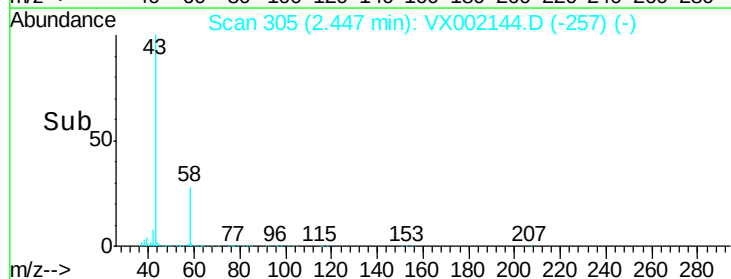
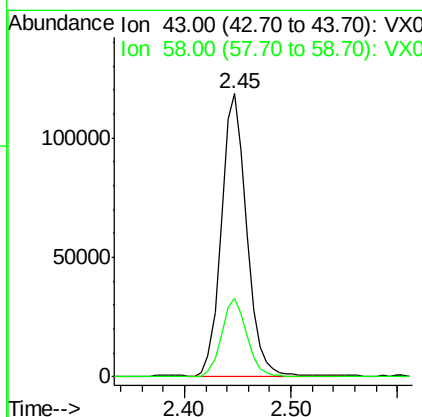
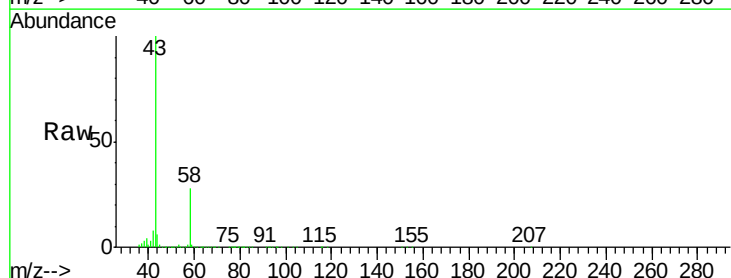
RT: 2.45 min Scan# 305

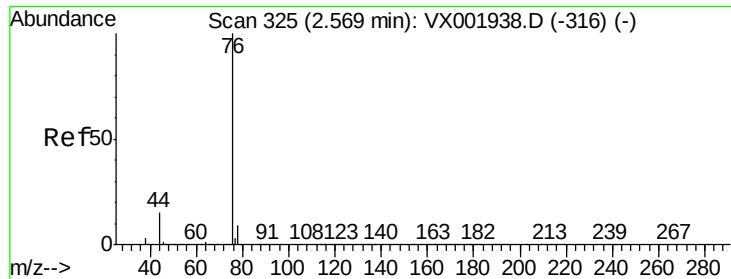
Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion:	43	Resp:	194754
Ion Ratio		Lower	Upper
43	100		
58	27.8	22.3	33.5





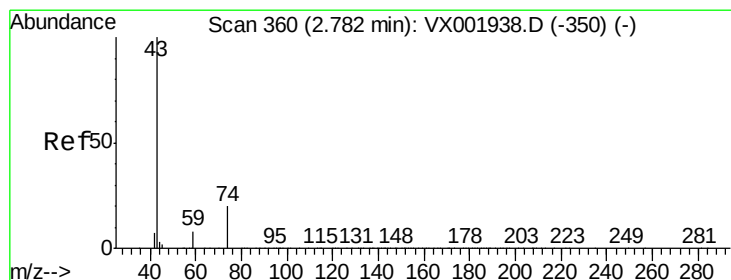
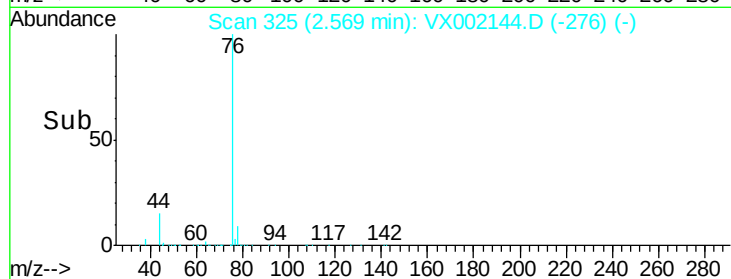
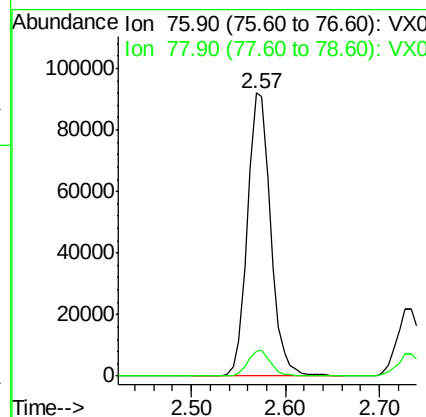
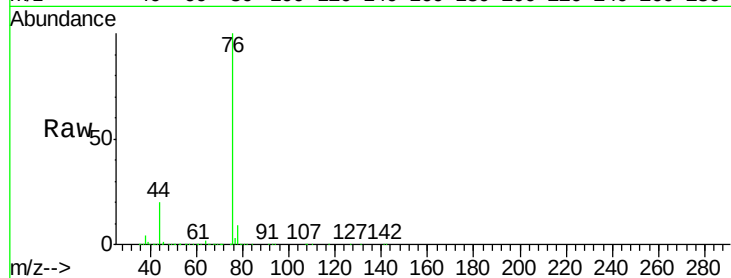
#17
Carbon Disulfide
Concen: 18.08 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

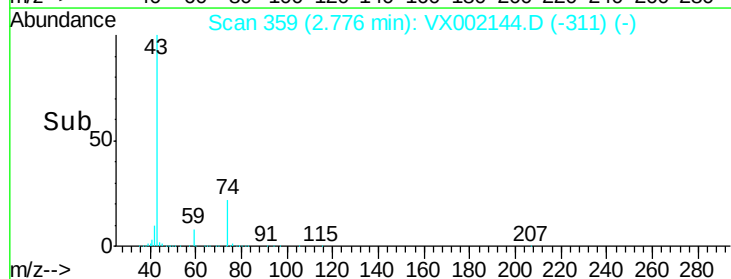
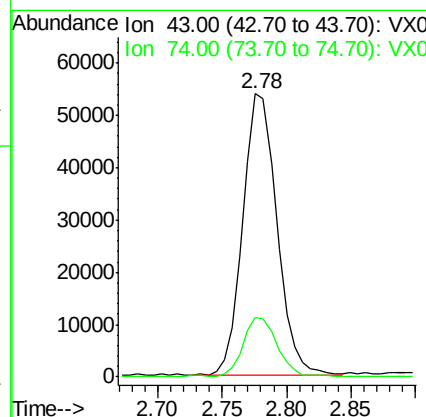
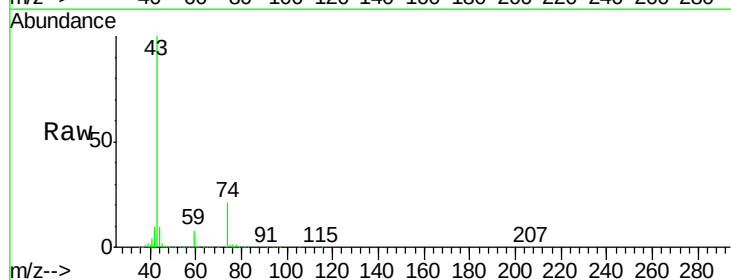
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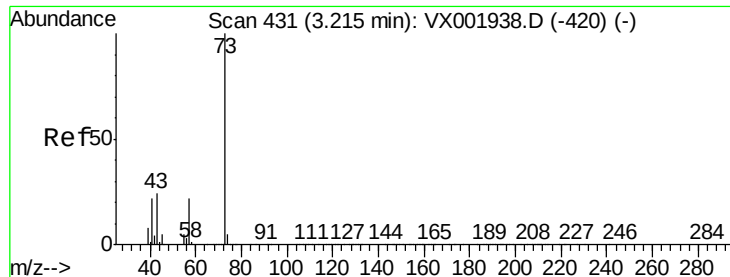
MMDadoda
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#18
Methyl Acetate
Concen: 22.22 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	16.8	25.2





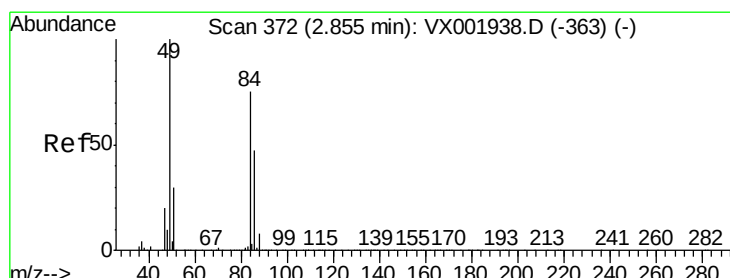
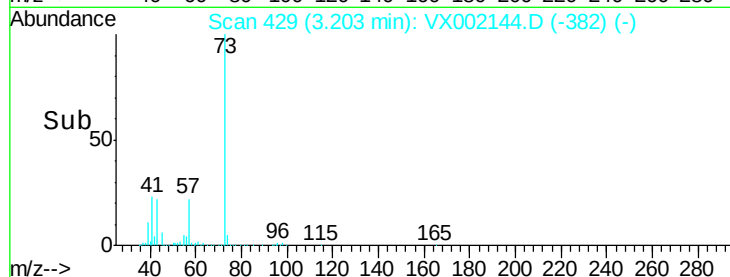
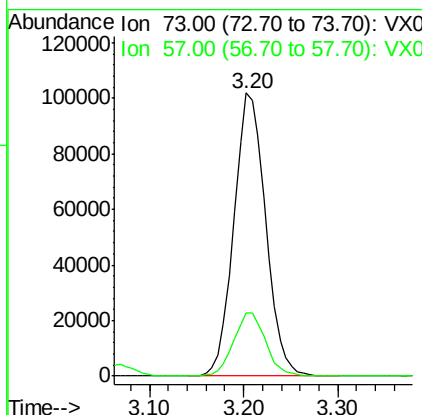
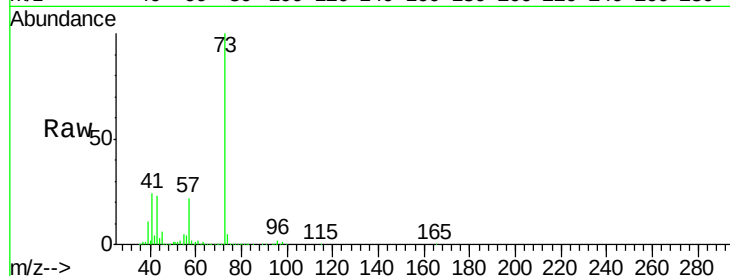
#19
Methyl tert-butyl Ether
Concen: 21.00 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0

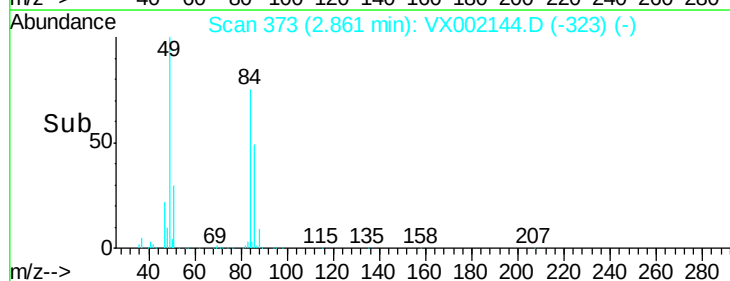
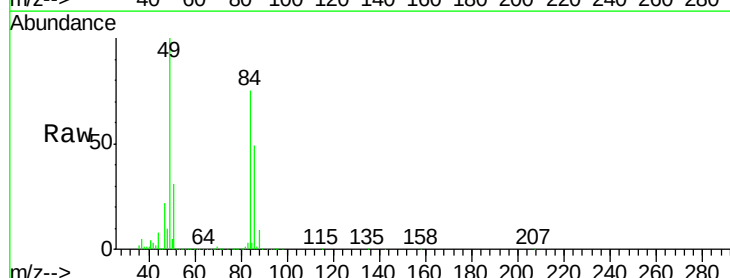
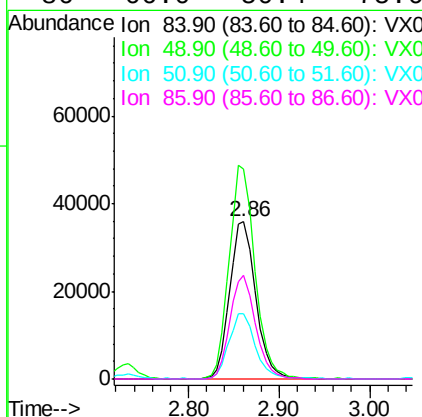
Manual Integrations
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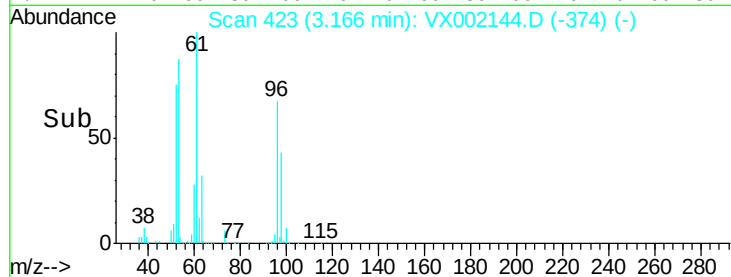
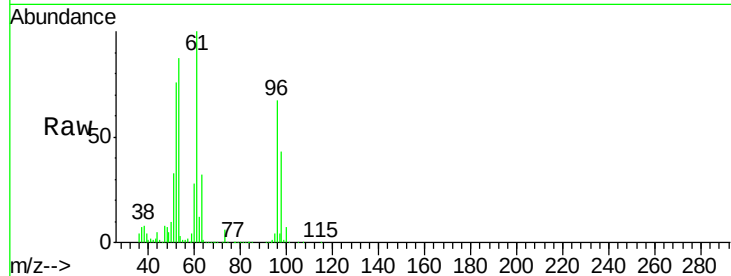
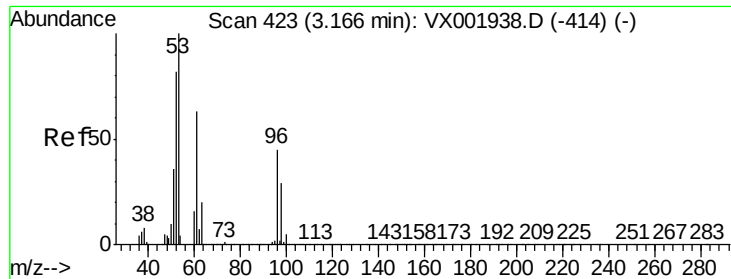
MMDadoda
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#20
Methylene Chloride
Concen: 22.16 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	107.2	160.8
51	41.1	32.4	48.6
86	66.0	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 21.68 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002144.D

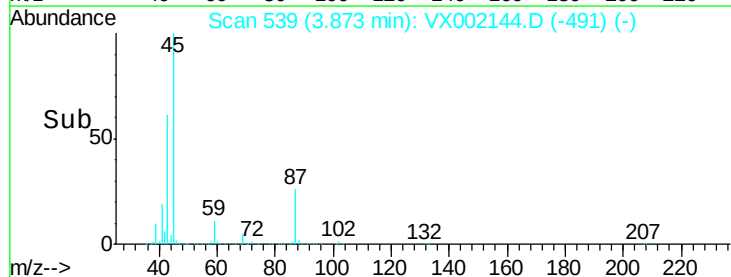
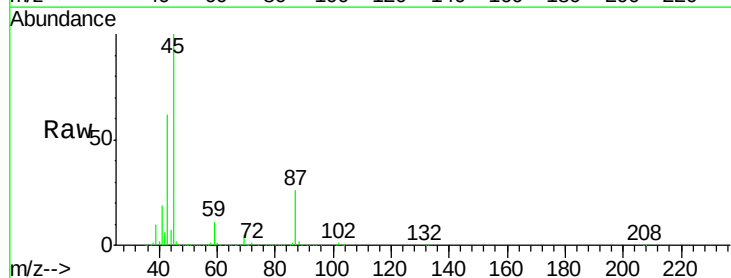
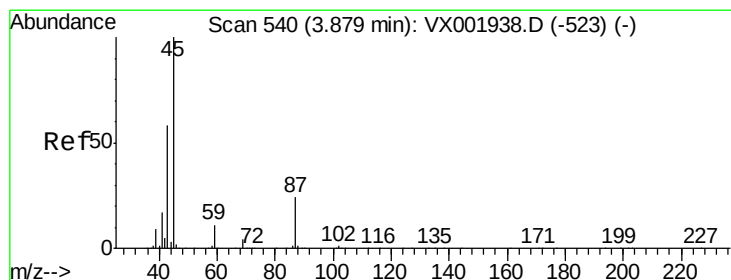
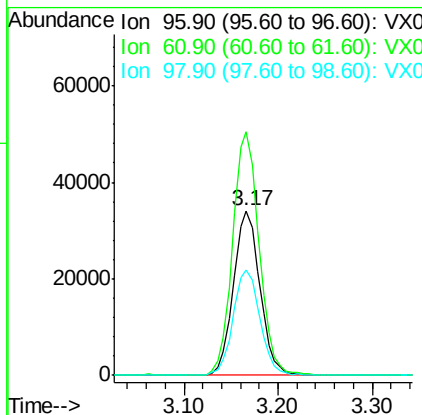
Acq: 30 May 2018 17:59

Tot Ion:	96	Resp:	66778
Ion	Ratio	Lower	Upper
96	100		
61	147.8	113.3	169.9
98	64.1	51.7	77.5

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

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#22

Diisopropyl ether

Concen: 19.82 ug/l

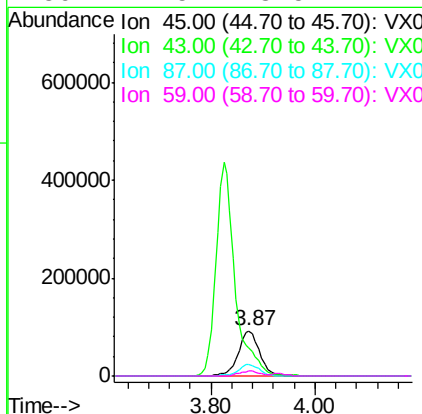
RT: 3.87 min Scan# 539

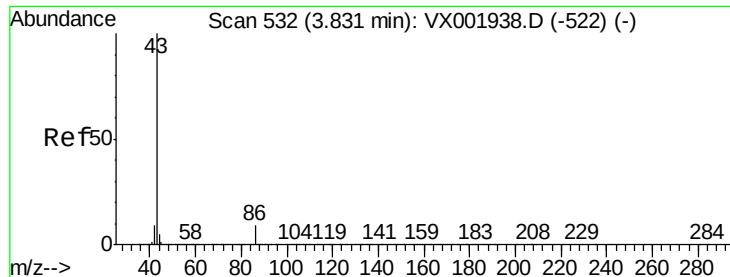
Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion:	45	Resp:	257234
Ion	Ratio	Lower	Upper
45	100		
43	61.3	47.0	70.6
87	25.8	19.4	29.0
59	11.5	8.5	12.7





#23

Vinyl Acetate

Concen: 104.76 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampled :

VX0530WBS02

Tot Ion: 43 Resp: 1127080

Ion Ratio Lower Upper

43 100

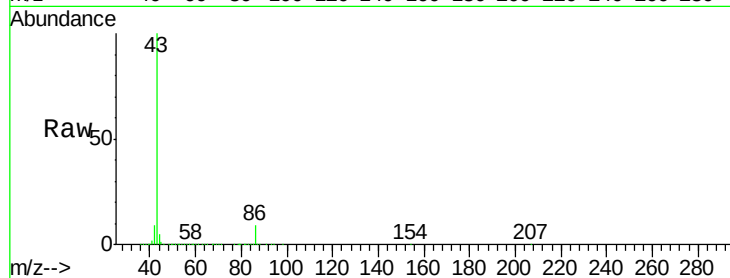
86 8.8 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

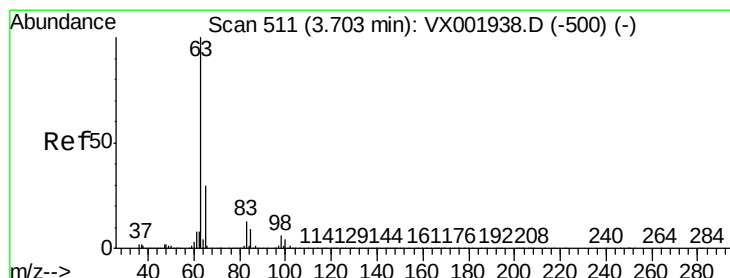
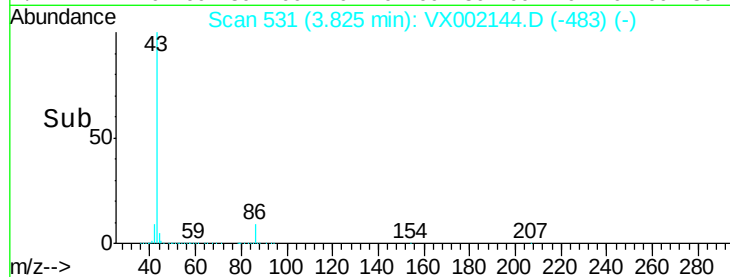
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.64 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

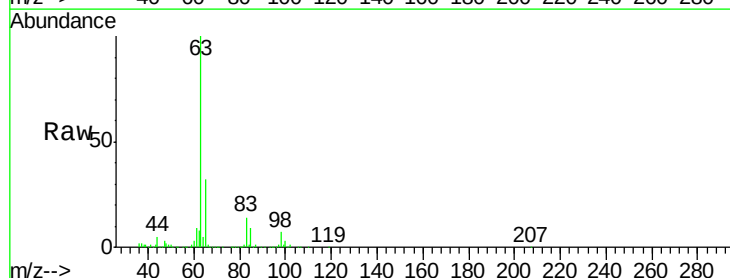
Tgt Ion: 63 Resp: 133384

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 3.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

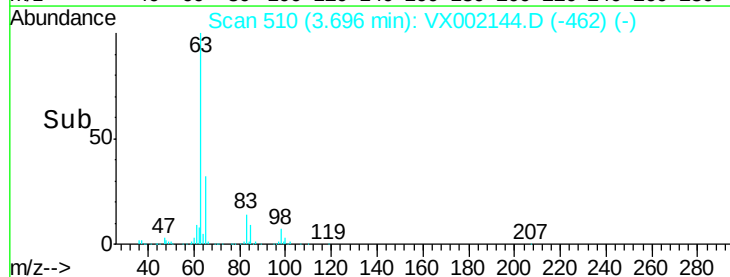
60000

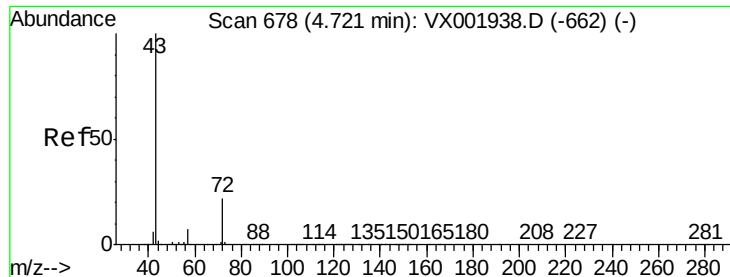
40000

20000

0

Time-->





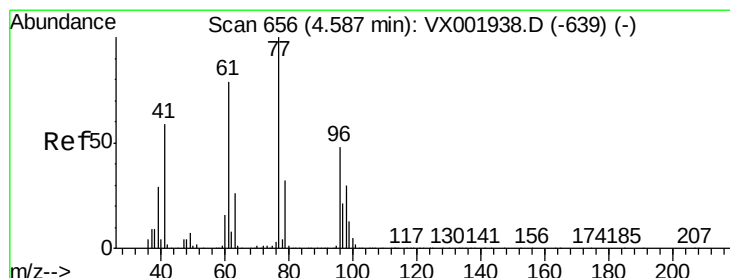
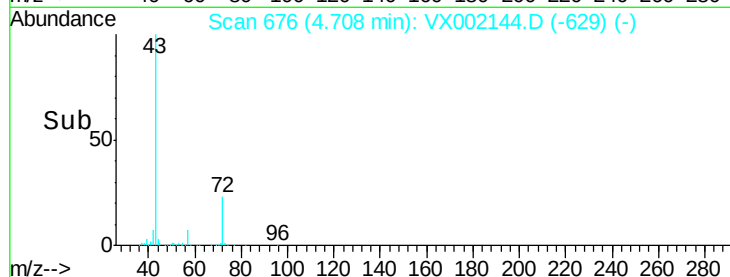
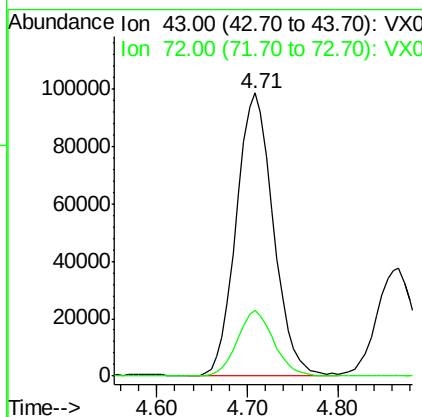
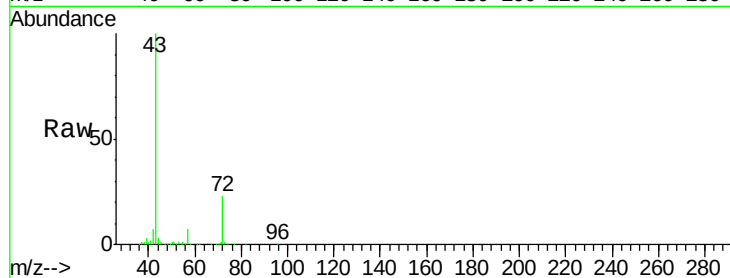
#25
2-Butanone
Concen: 84.23 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	43	Resp	277679
Ion Ratio	100	Lower	Upper
72	23.2	17.9	26.9

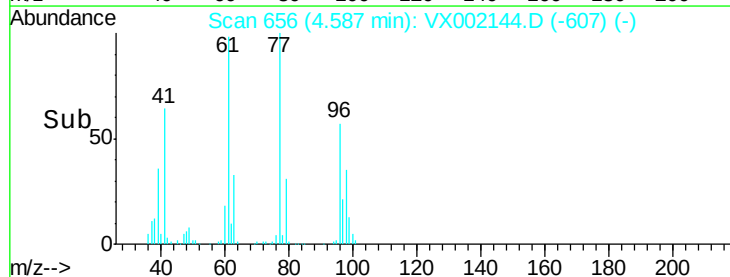
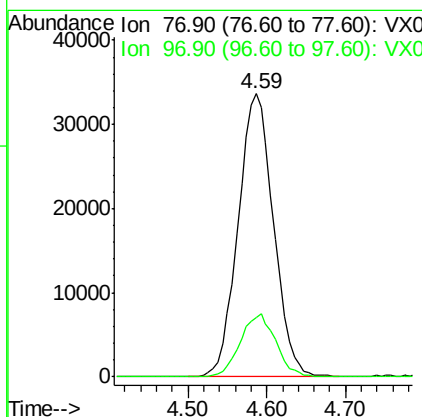
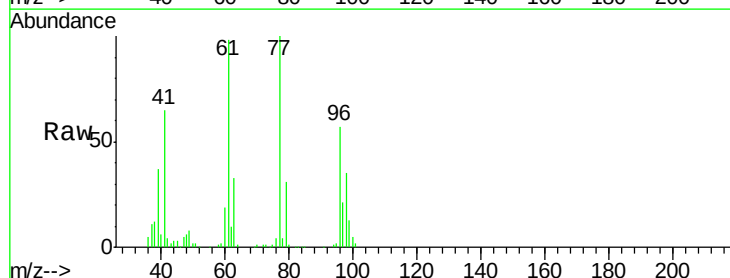
Manual Integrations
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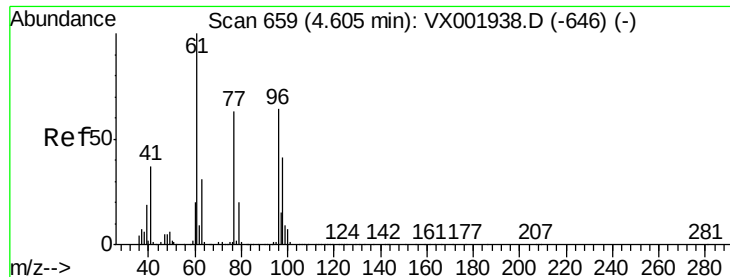
MMDadoda
5/31/2018 3:07:47 PM



#26
2,2-Dichloropropane
Concen: 16.81 ug/l
RT: 4.59 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	77	Resp	104883
Ion Ratio	100	Lower	Upper
97	22.2	11.2	33.5





#27

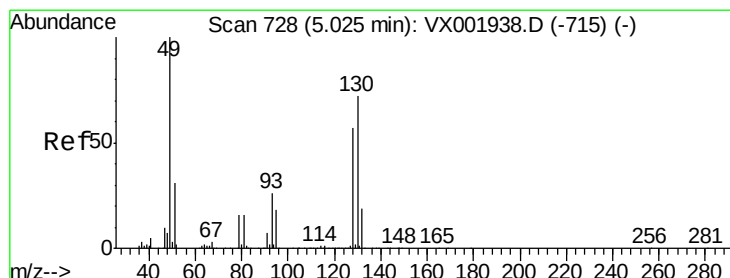
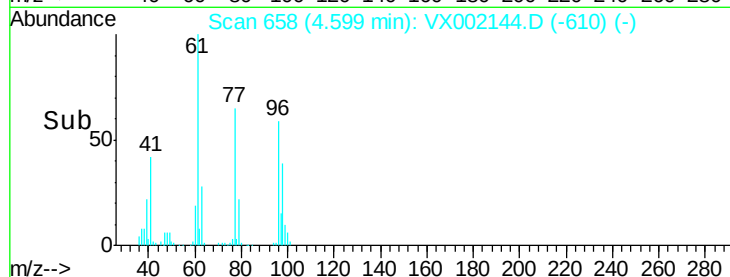
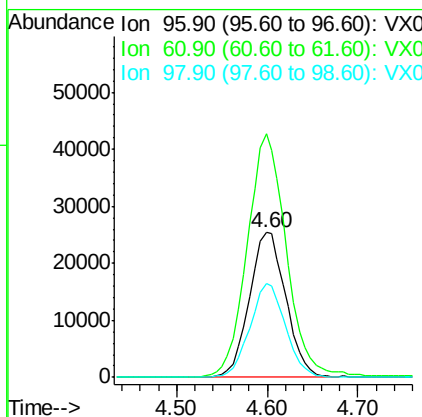
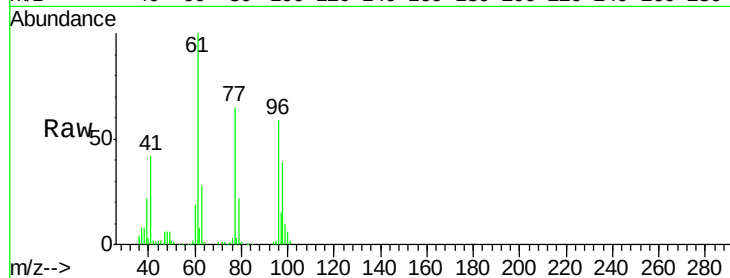
cis-1,2-Dichloroethene
Concen: 17.86 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	181.4	0.0	348.4
98	63.3	0.0	128.6

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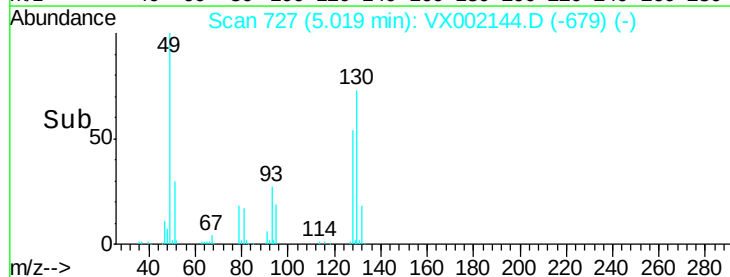
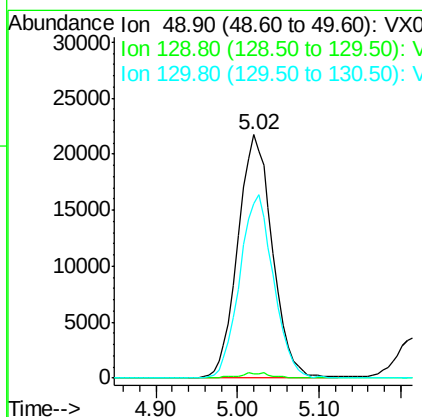
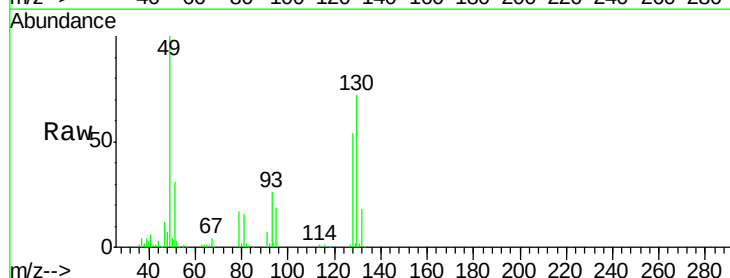
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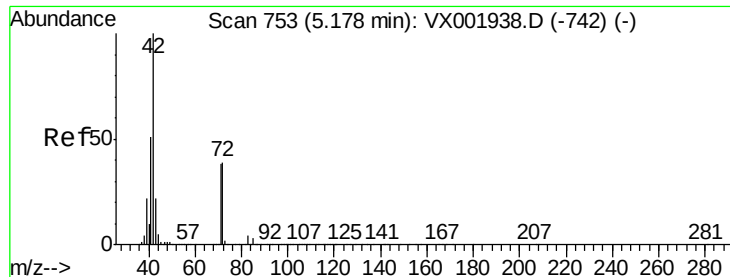


#28

Bromochloromethane
Concen: 23.65 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.7	59.4	89.2





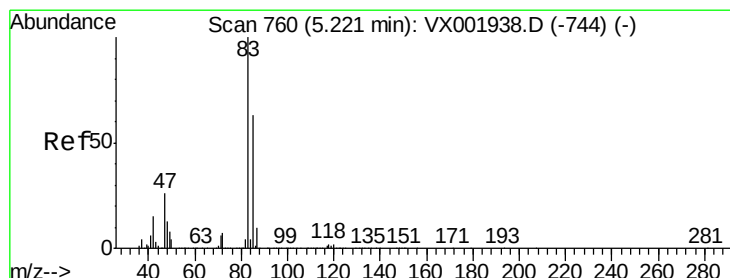
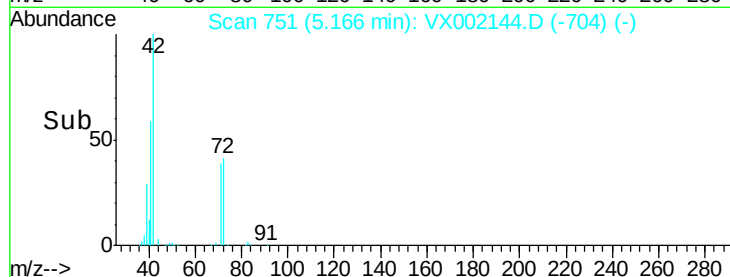
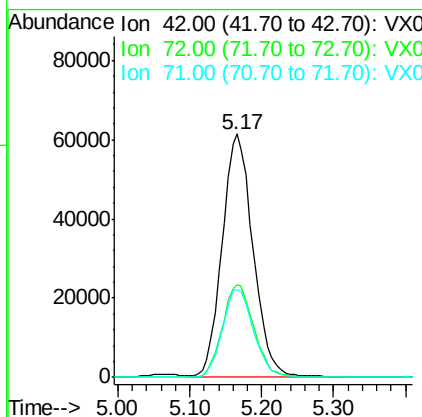
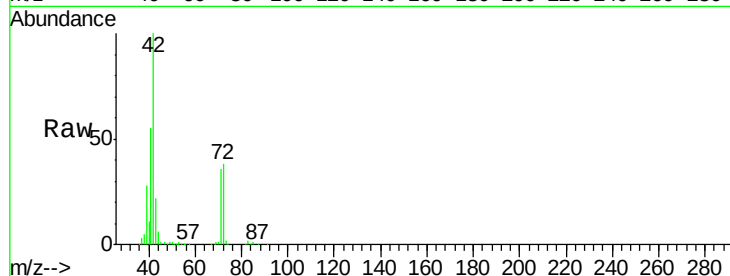
#29
Tetrahydrofuran
Concen: 84.74 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	39.0	31.4	47.0
71	36.8	29.5	44.3

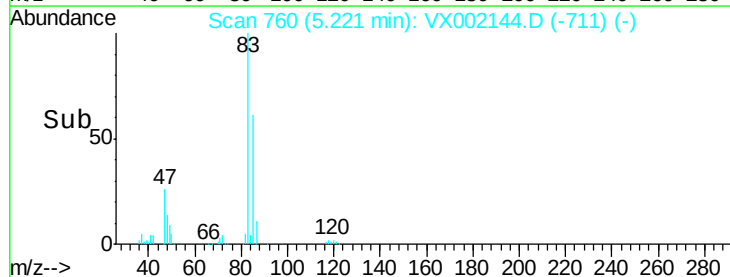
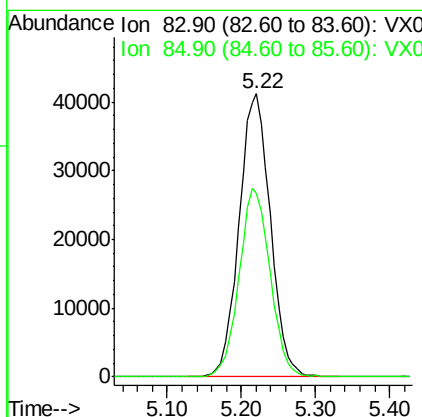
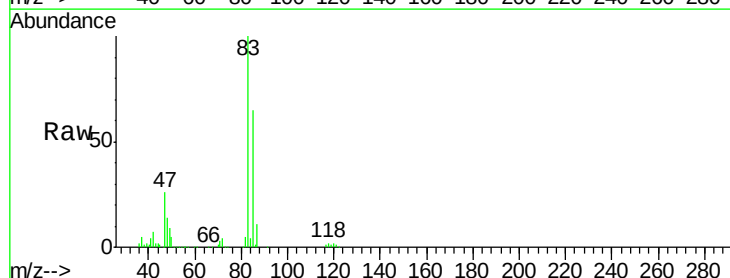
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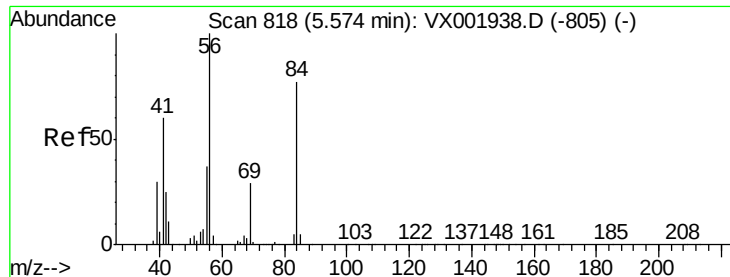
MMDadoda
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#30
Chloroform
Concen: 17.50 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	64.9	50.9	76.3





#31

Cyclohexane

Concen: 17.78 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

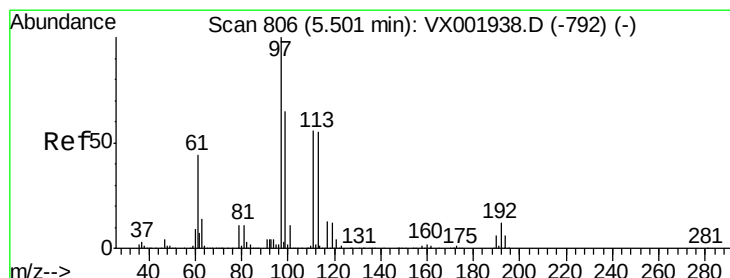
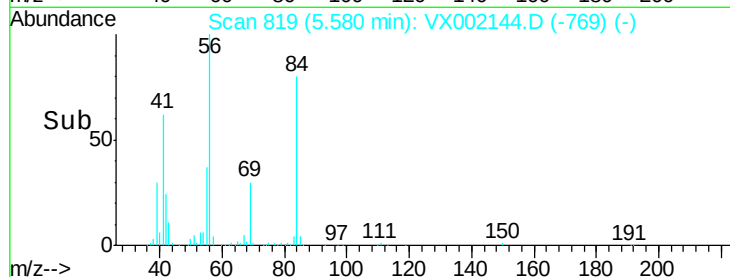
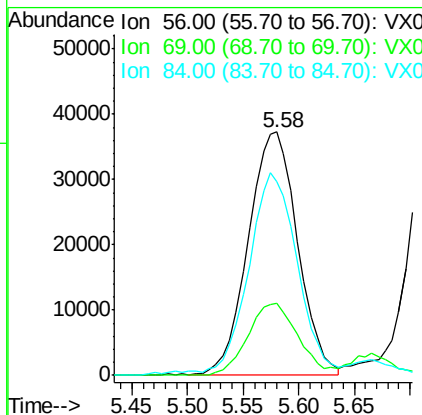
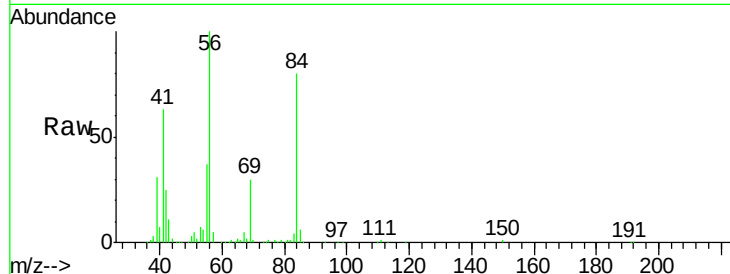
ClientSampleId :

VX0530WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.1	34.7
84	78.1	62.0	93.0

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#32

1,1,1-Trichloroethane

Concen: 17.04 ug/l

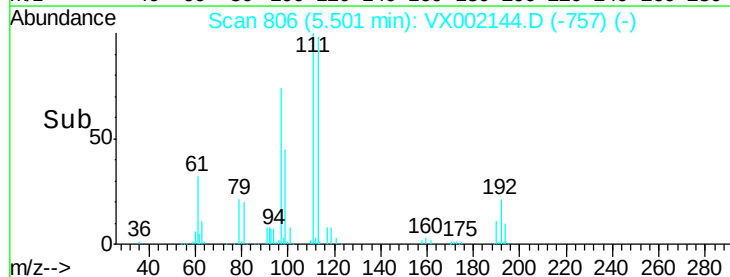
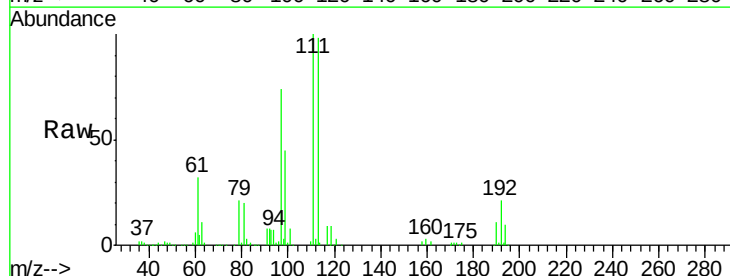
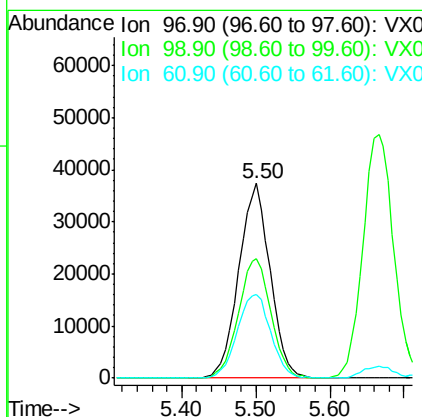
RT: 5.50 min Scan# 806

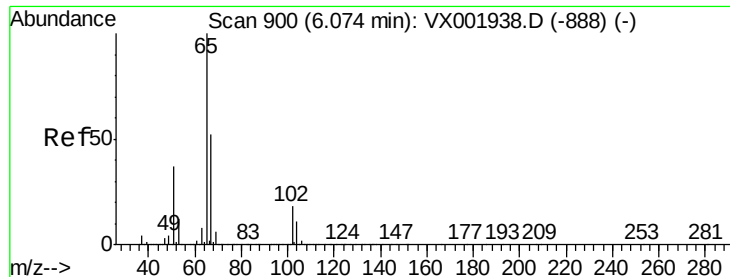
Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.9	77.9
61	46.0	35.9	53.9





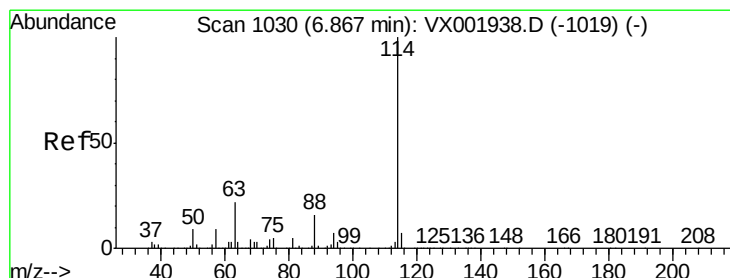
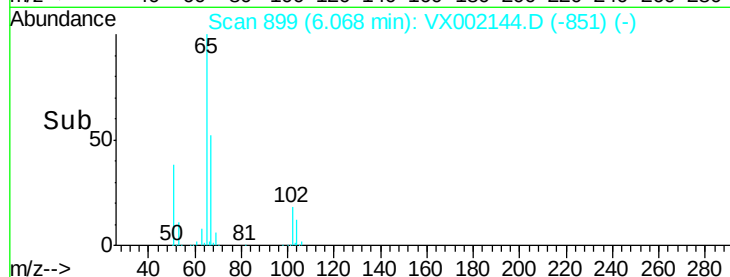
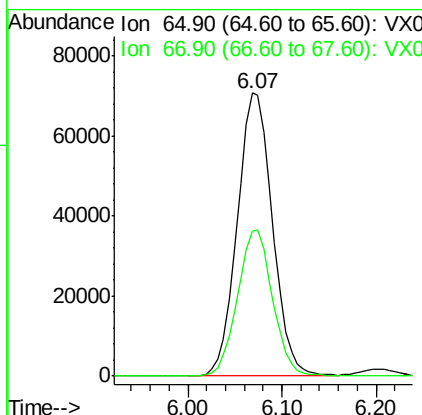
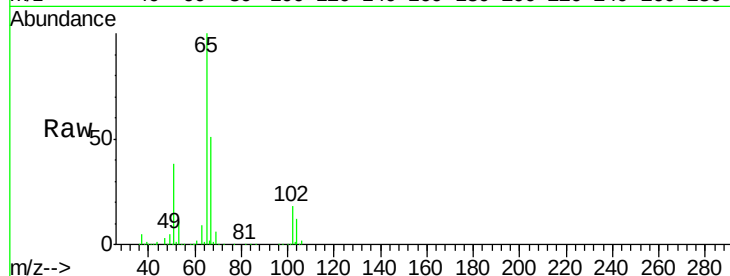
#33
 1,2-Dichloroethane-d4
 Concen: 39.71 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185078		
67	51.4	0.0	104.0	

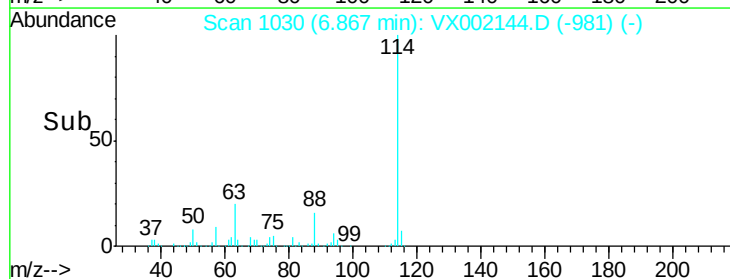
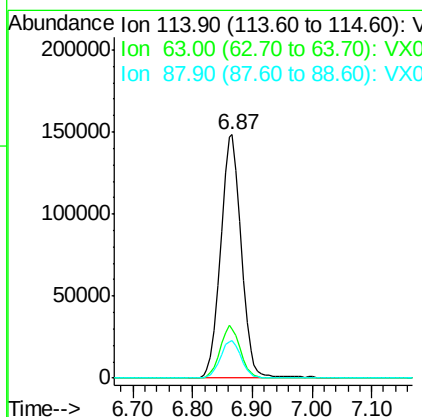
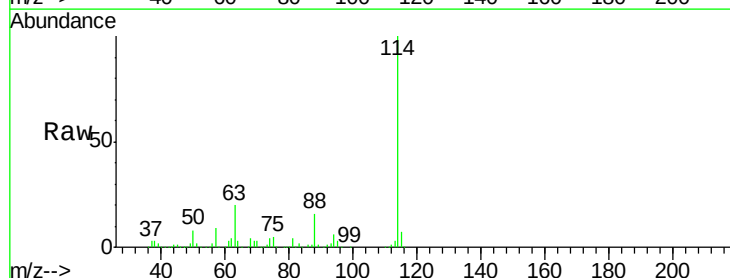
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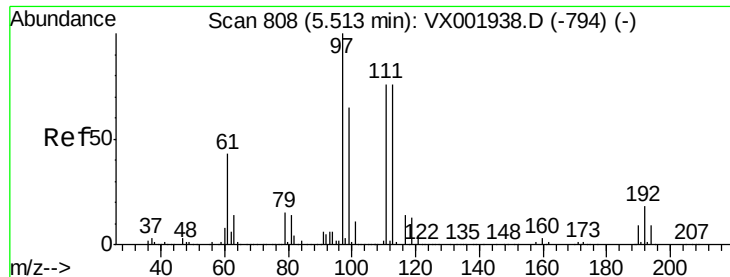
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	358101		
63	20.4	0.0	43.2	
88	15.6	0.0	31.6	





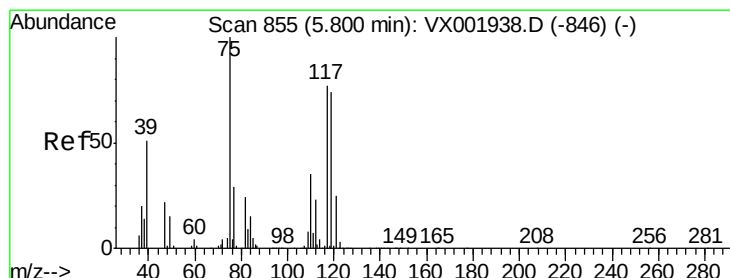
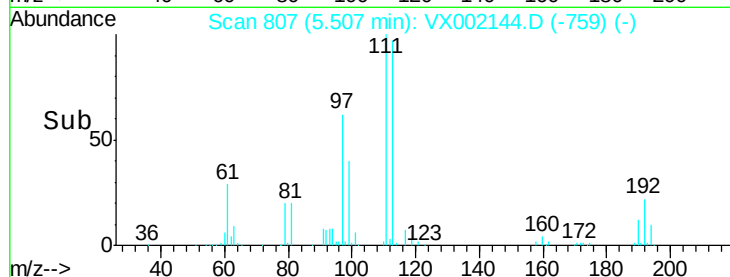
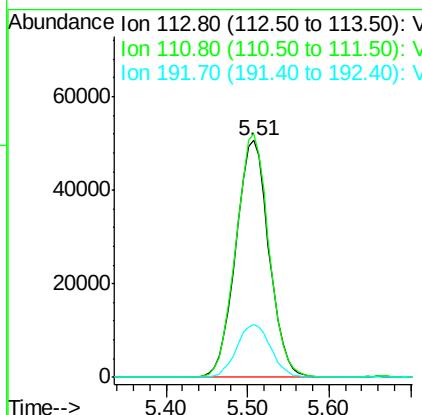
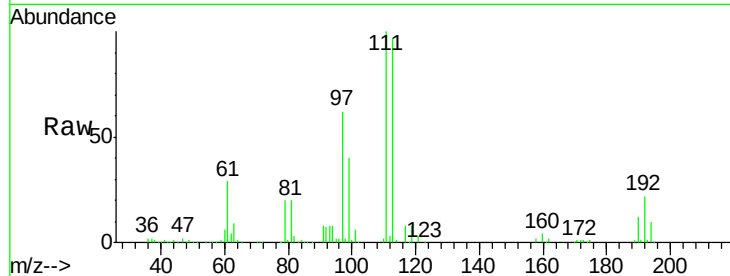
#35
 Dibromofluoromethane
 Concen: 39.86 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142737		
111	102.0	82.0	123.0	
192	23.1	18.9	28.3	

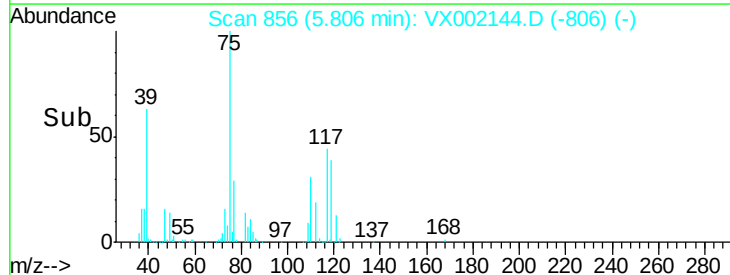
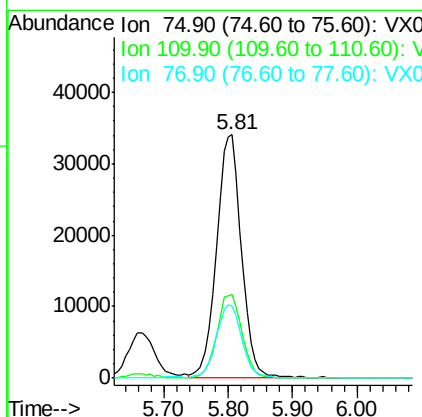
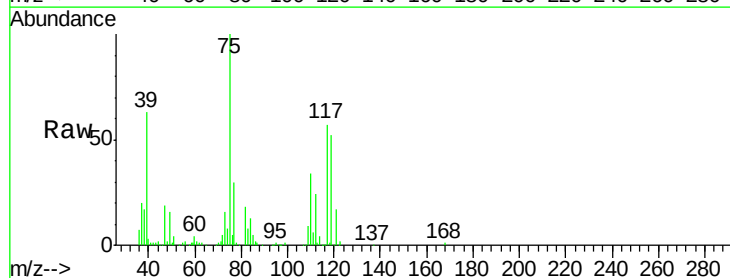
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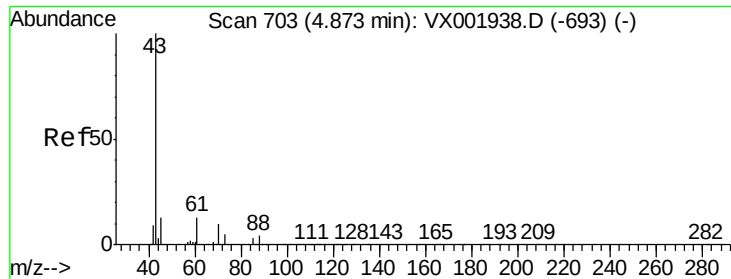
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#36
 1,1-Dichloropropene
 Concen: 18.71 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93194		
110	34.9	17.4	52.2	
77	30.6	24.4	36.6	





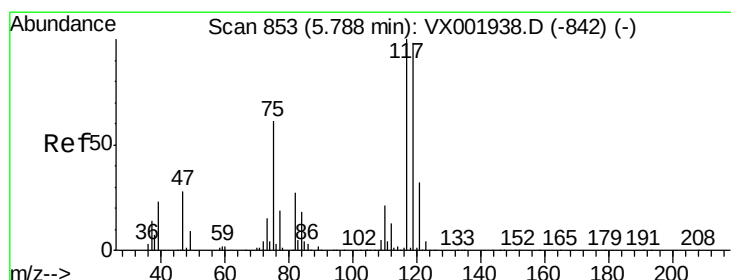
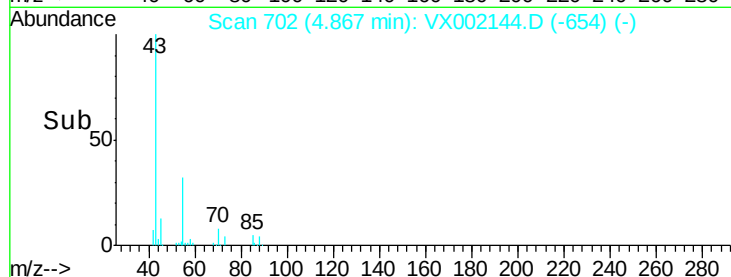
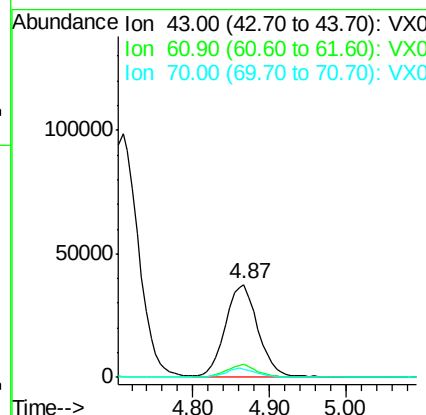
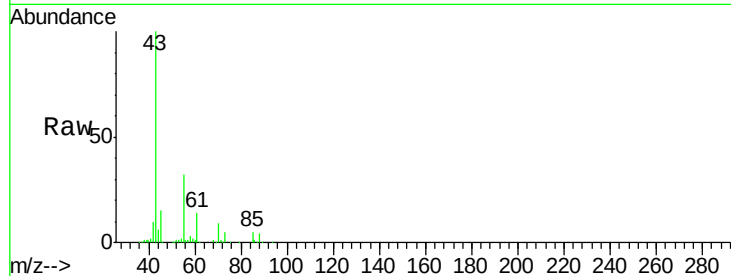
#37
Ethyl Acetate
Concen: 16.86 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.2
70	9.8	7.8	11.8

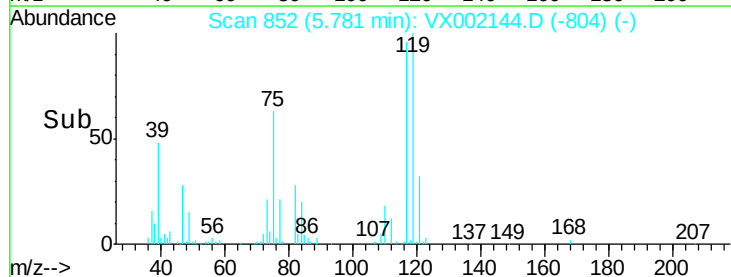
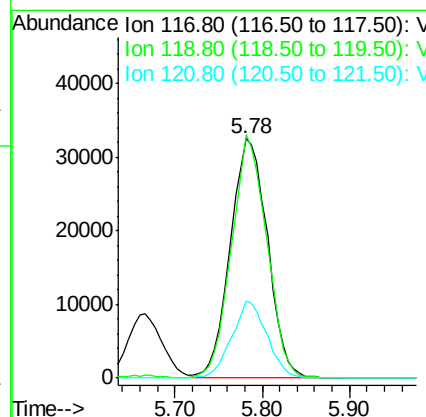
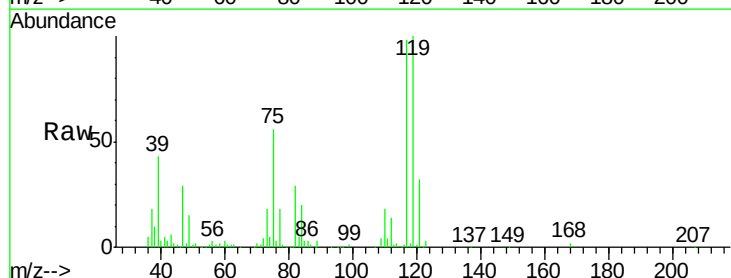
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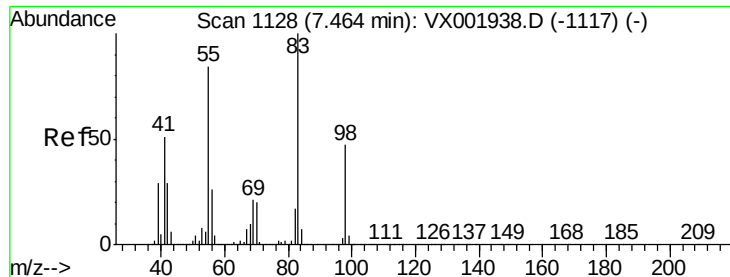
MMDadoda
5/31/2018 3:07:47 PM



#38
Carbon Tetrachloride
Concen: 16.58 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.3	78.5	117.7
121	32.2	25.5	38.3





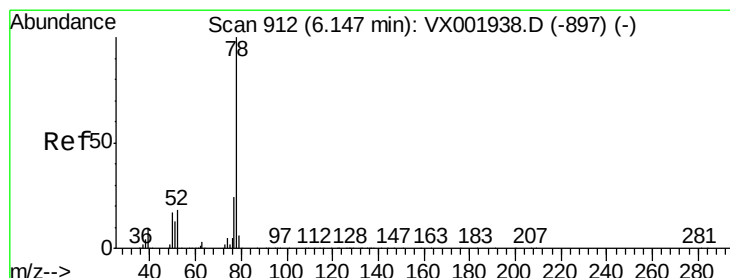
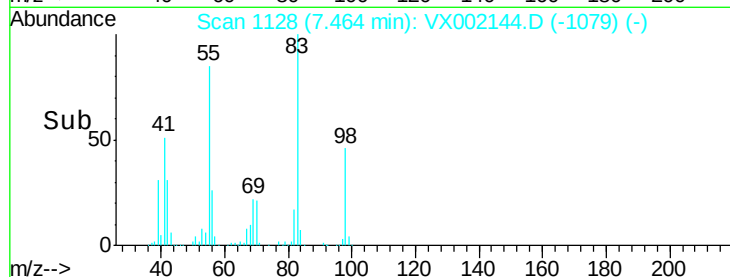
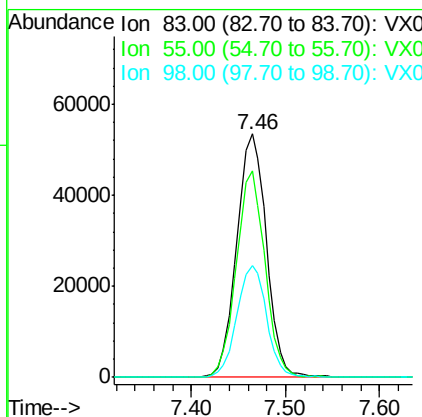
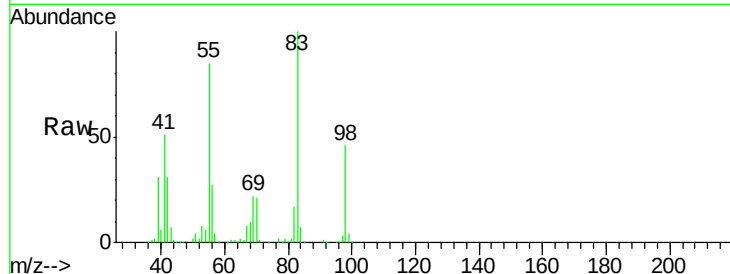
#39
Methylvlcyclohexane
Concen: 19.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	67.3	100.9
98	46.1	37.5	56.3

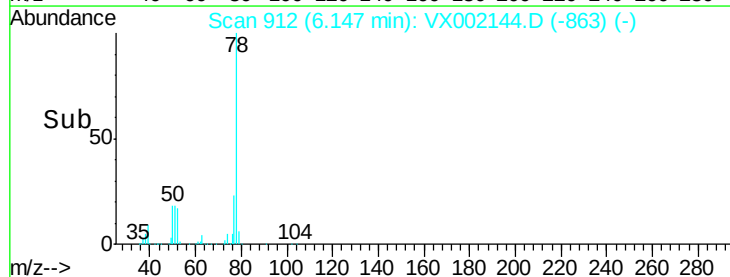
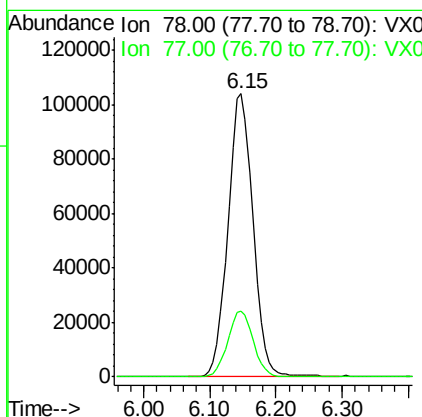
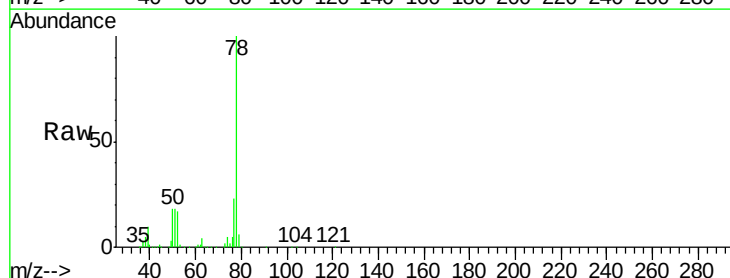
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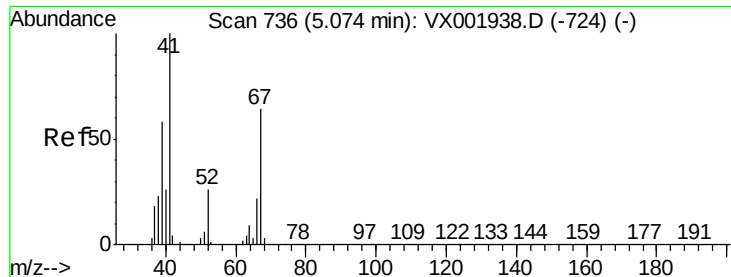
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#40
Benzene
Concen: 18.77 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





#41

Methacrylonitrile

Concen: 17.30 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

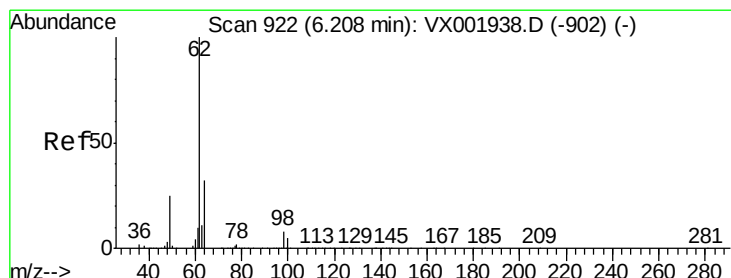
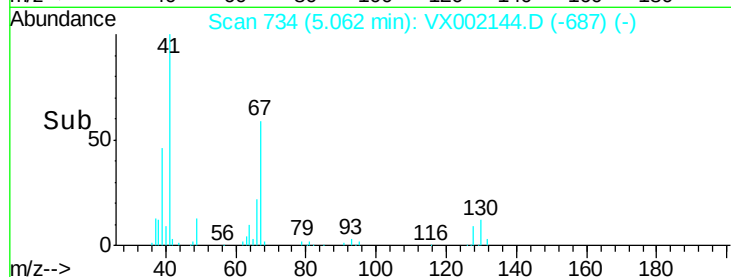
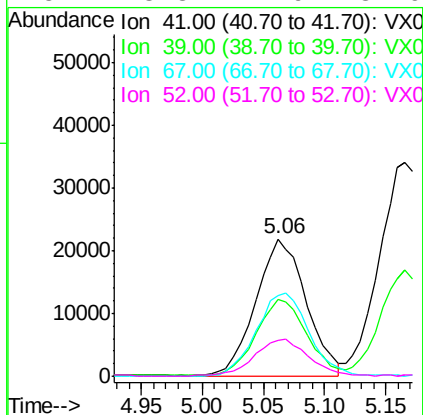
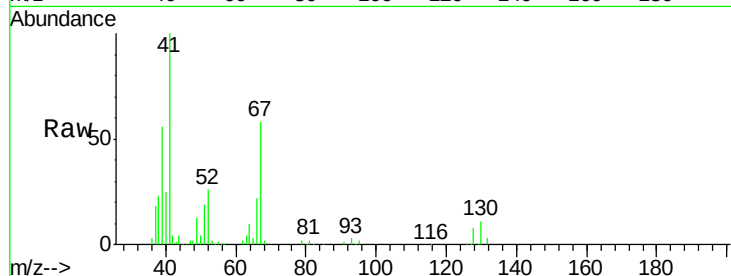
ClientSampleId :

VX0530WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.5	46.0	69.0	
67	64.4	50.6	75.8	
52	28.3	21.9	32.9	

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#42

1,2-Dichloroethane

Concen: 18.09 ug/l

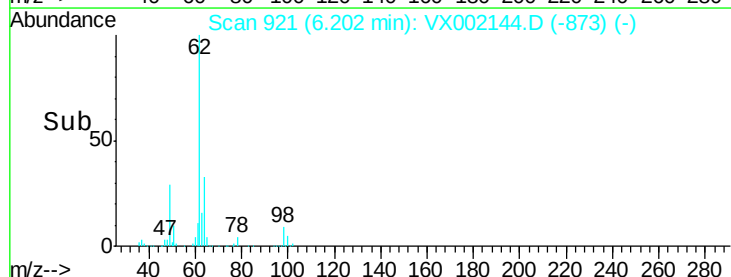
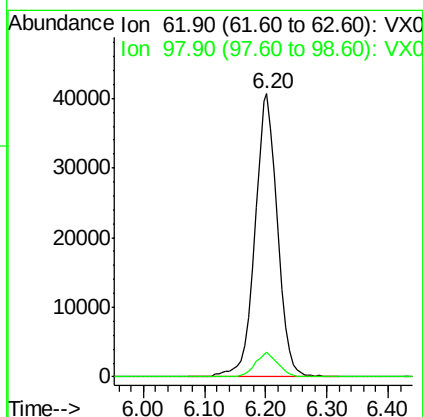
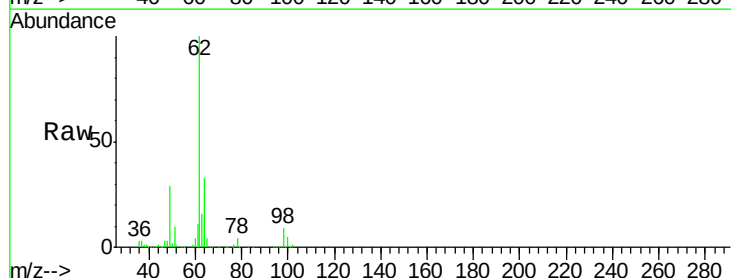
RT: 6.20 min Scan# 921

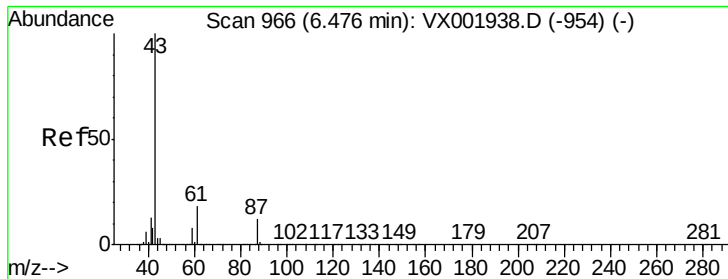
Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.0	





#43

Isopropyl Acetate

Concen: 17.19 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

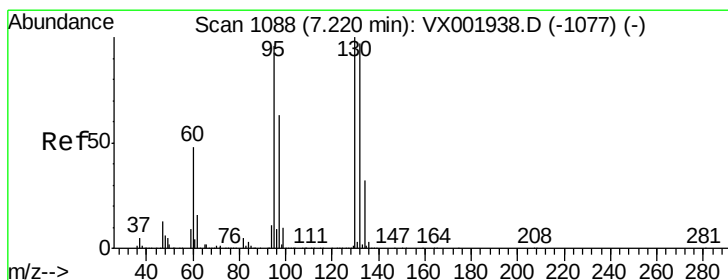
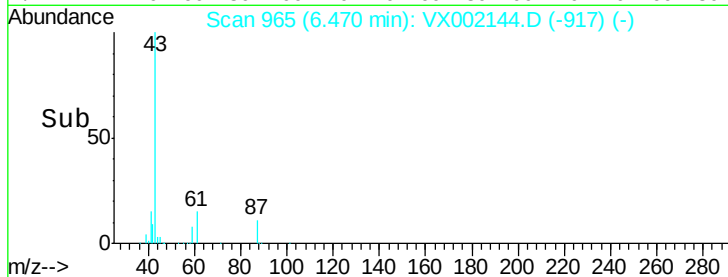
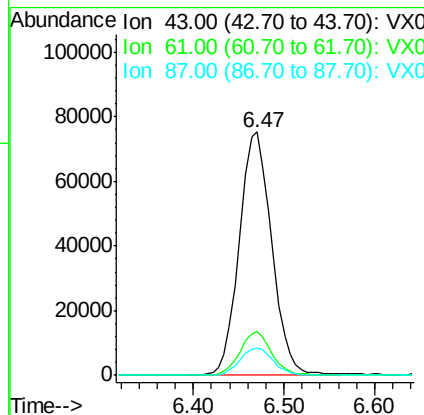
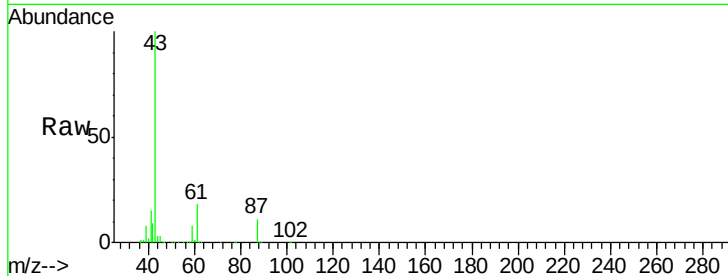
ClientSampleId :

VX0530WBS02

Tot Ion:	43	Resp:	185977
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.5	21.7
87	11.6	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 18.58 ug/l

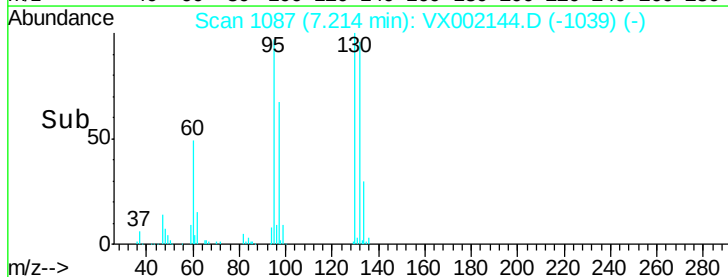
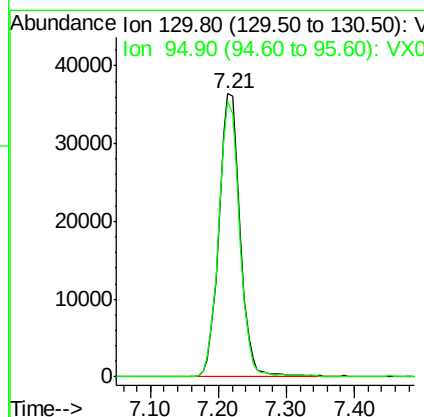
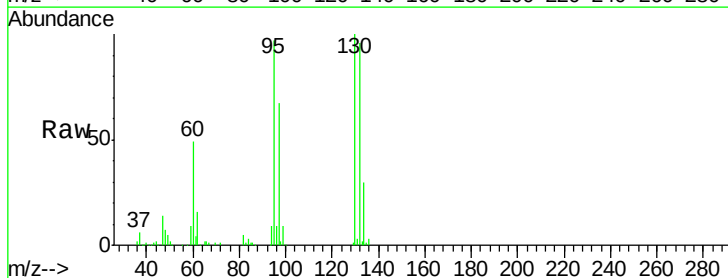
RT: 7.21 min Scan# 1087

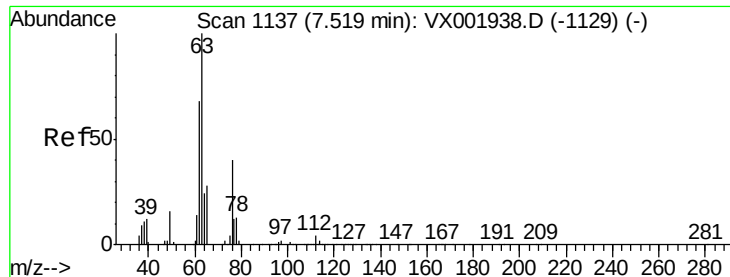
Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion:	130	Resp:	79030
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	192.0





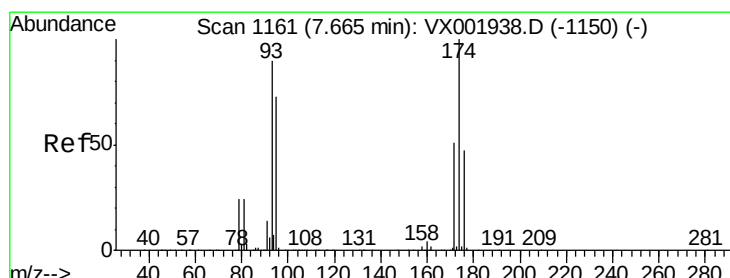
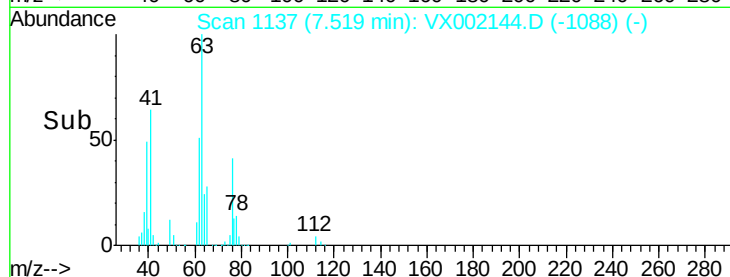
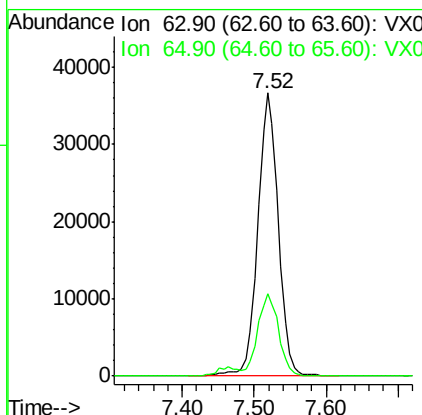
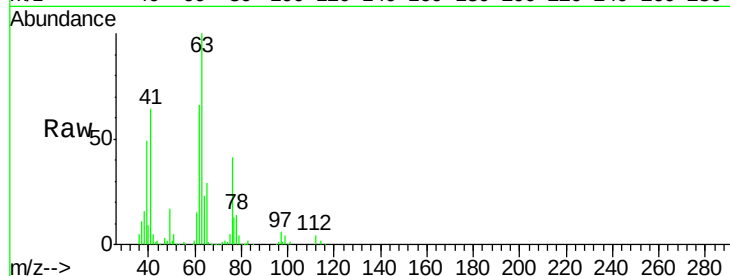
#45
 1,2-Dichloropropane
 Concen: 18.45 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.1	36.1

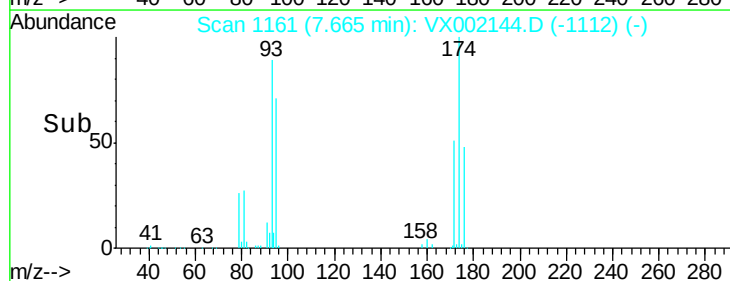
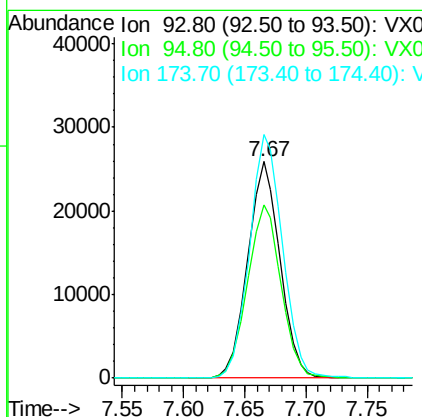
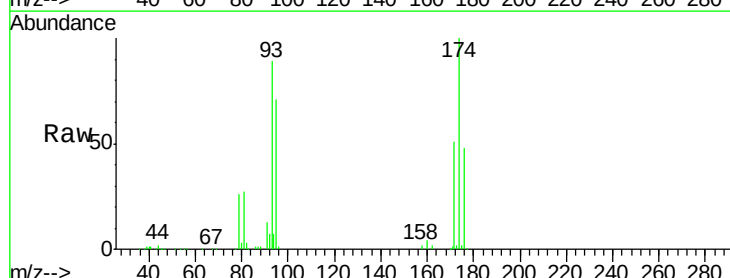
Manual Integrations
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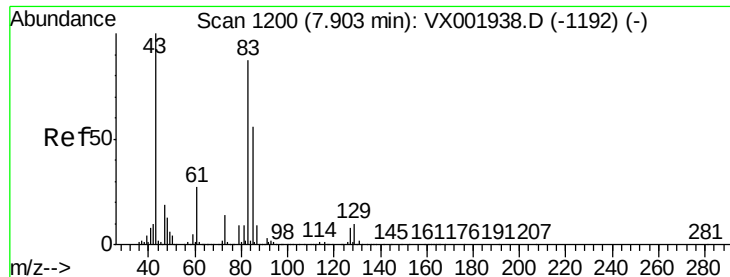
MMDadoda
 5/31/2018 3:07:47 PM



#46
 Dibromomethane
 Concen: 18.24 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.1	99.1
174	114.8	92.5	138.7





#47

Bromodichloromethane

Concen: 15.94 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

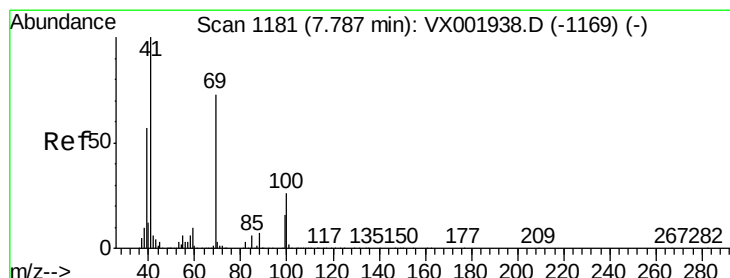
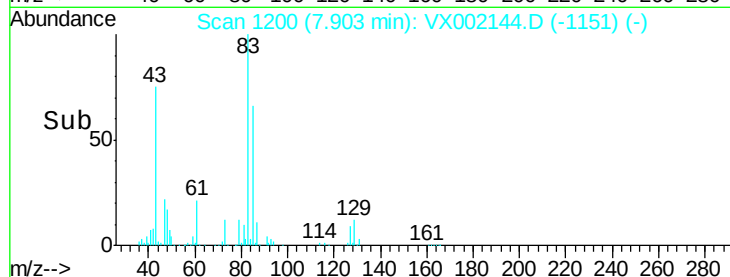
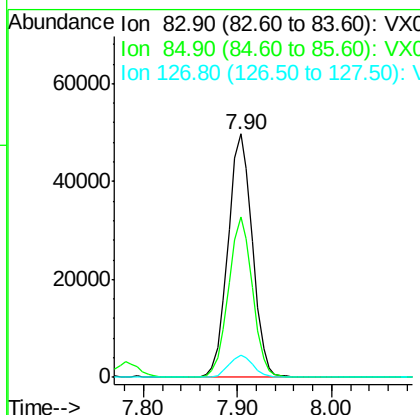
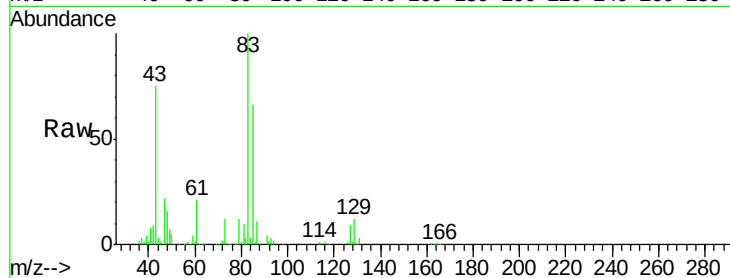
ClientSampleId :

VX0530WBS02

Tot Ion:	83	Resp:	89195
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2
127	9.2	7.1	10.7

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MMDadoda
5/31/2018 3:07:47 PM



#48

Methyl methacrylate

Concen: 17.18 ug/l

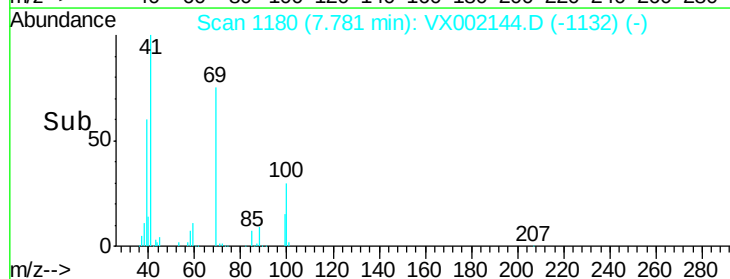
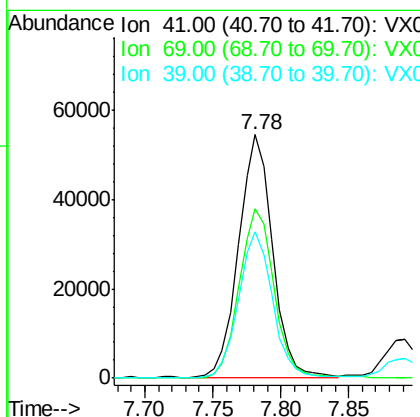
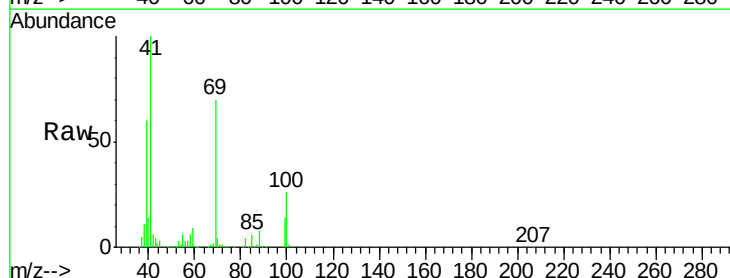
RT: 7.78 min Scan# 1180

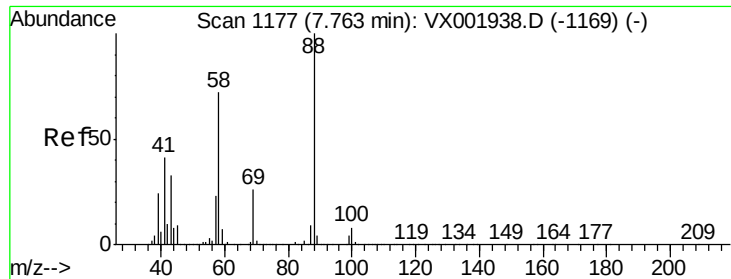
Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion:	41	Resp:	94625
Ion	Ratio	Lower	Upper
41	100		
69	72.4	58.6	87.8
39	59.9	46.3	69.5





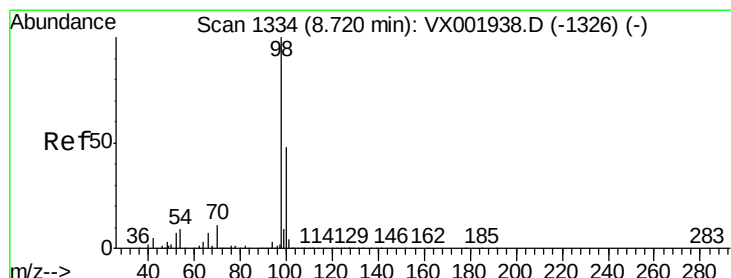
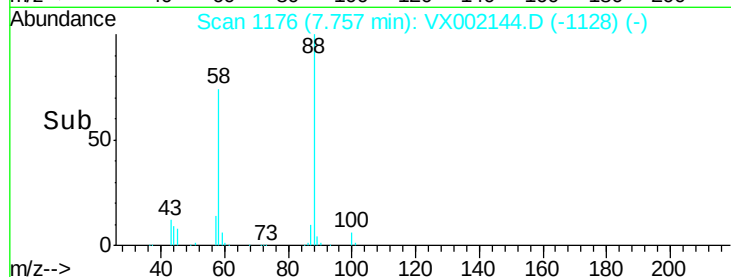
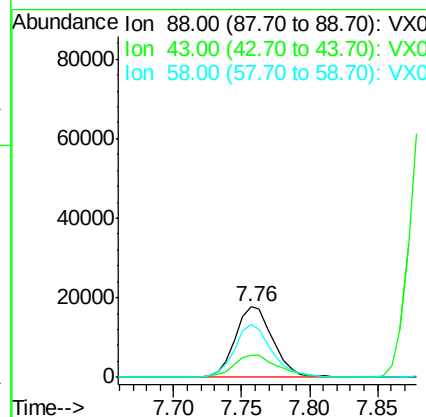
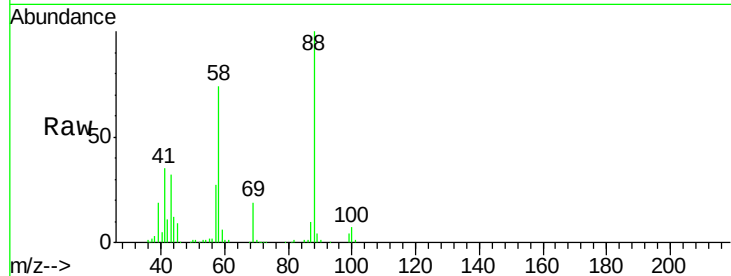
#49
1,4-Dioxane
Concen: 353.95 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.8	44.8
58	75.1	58.7	88.1

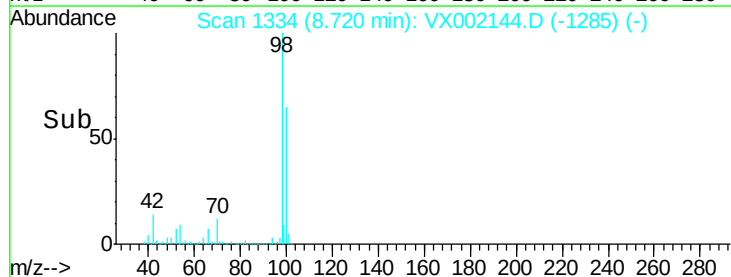
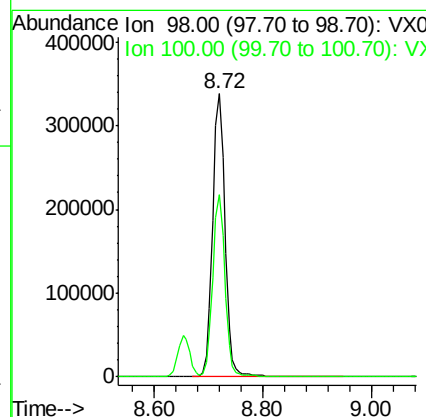
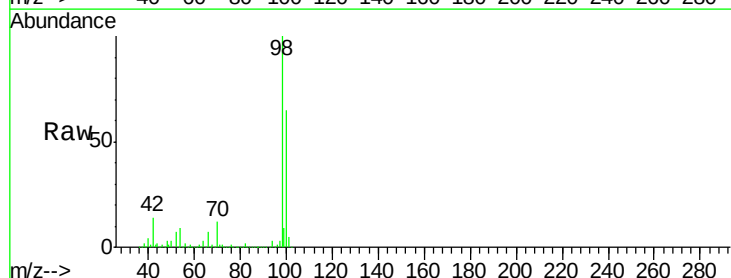
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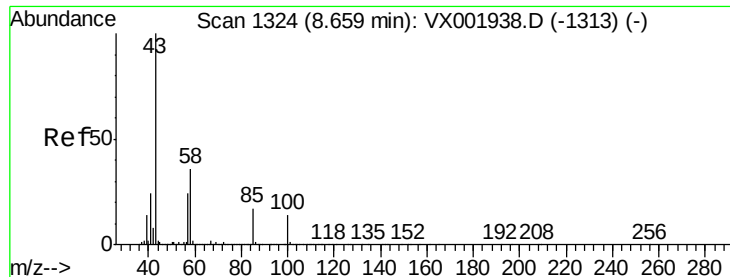
MMDadoda
5/31/2018 3:07:47 PM



#50
Toluene-d8
Concen: 41.40 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





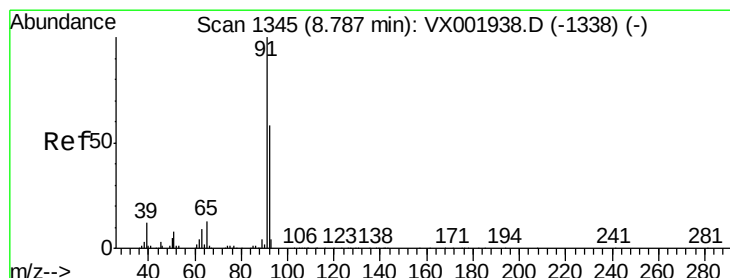
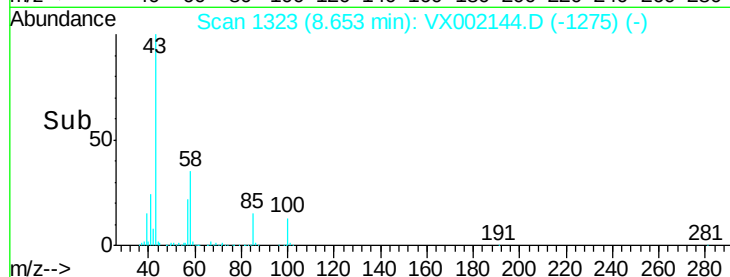
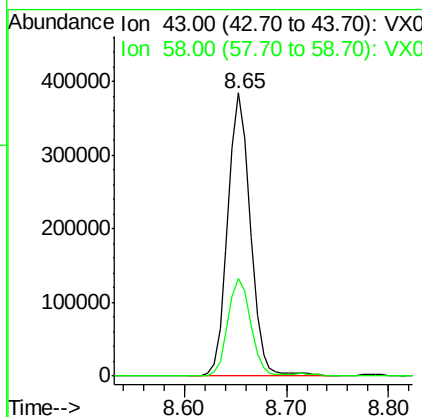
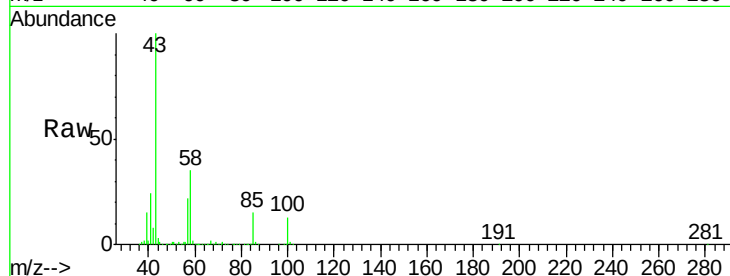
#51
 4-Methyl-2-Pentanone
 Concen: 90.72 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.5	42.7

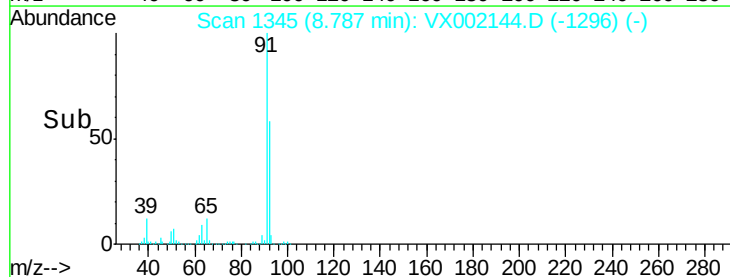
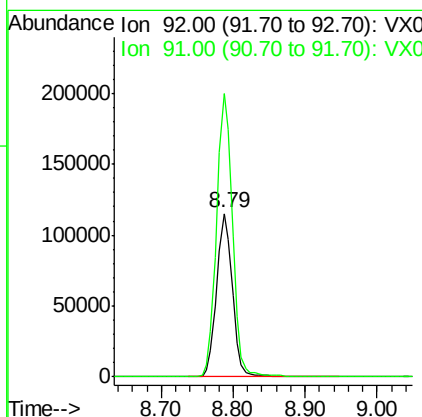
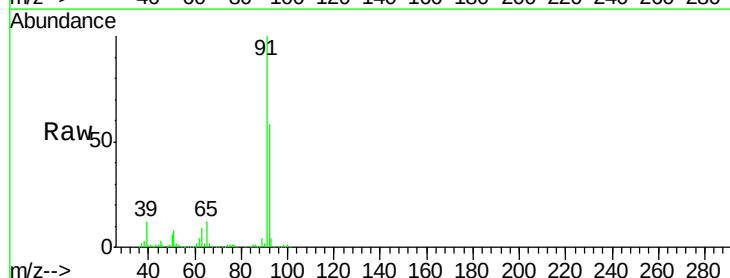
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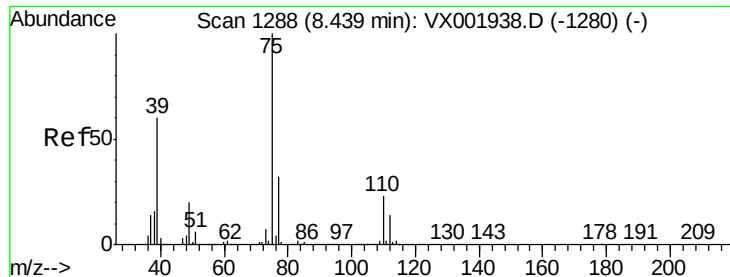
MMDadoda
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#52
 Toluene
 Concen: 18.86 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	139.4	209.2





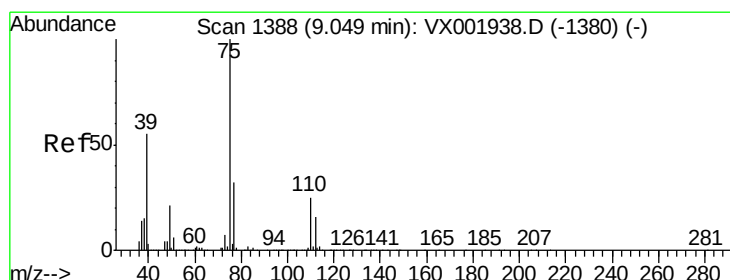
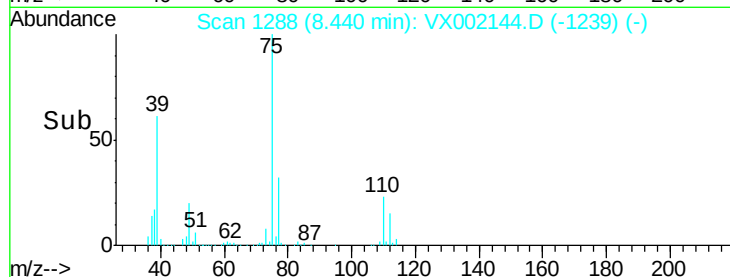
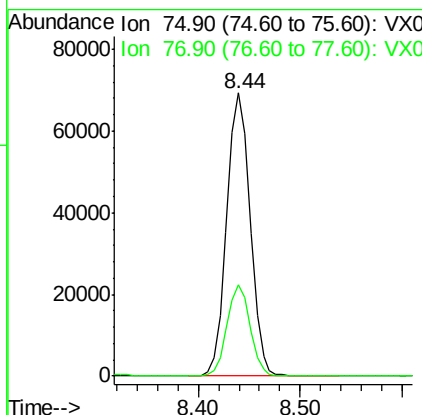
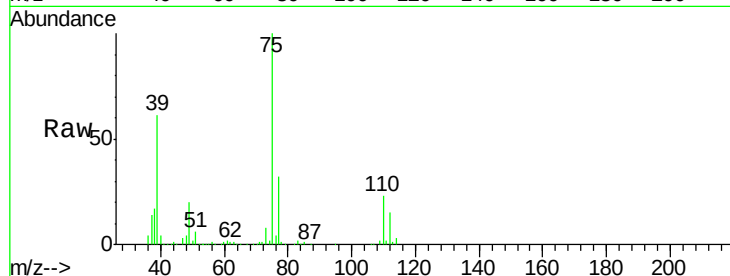
#53
t-1,3-Dichloropropene
Concen: 17.10 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3

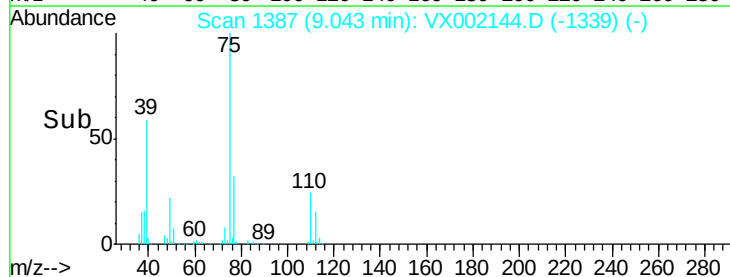
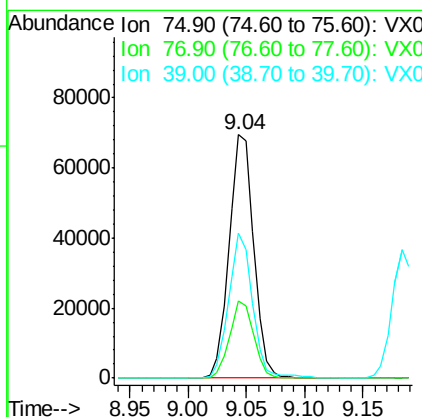
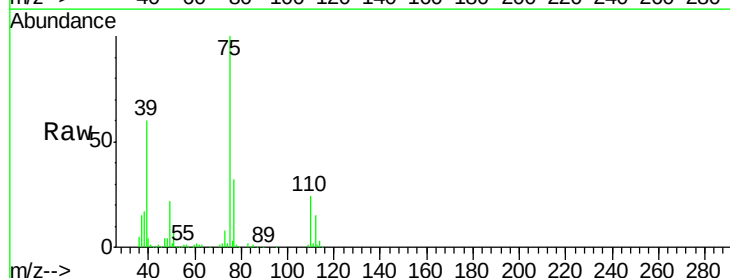
Manual Integrations
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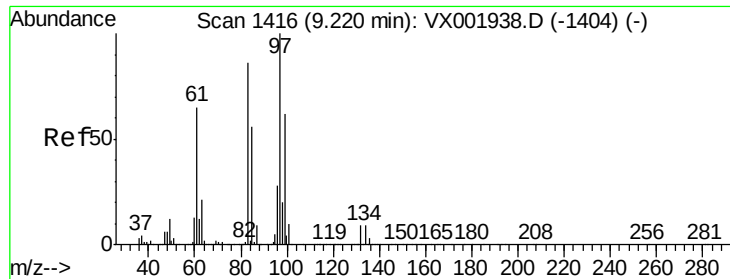
MMDadoda
5/31/2018 3:07:47 PM



#54
cis-1,3-Dichloropropene
Concen: 16.31 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	59.6	44.1	66.1





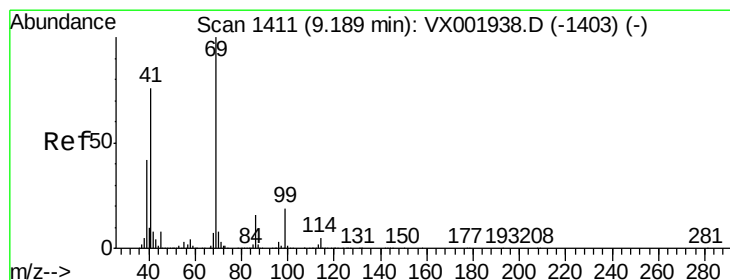
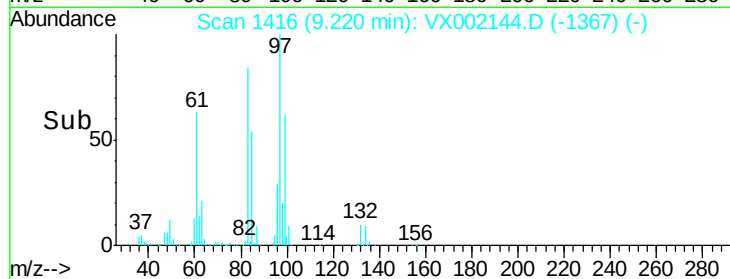
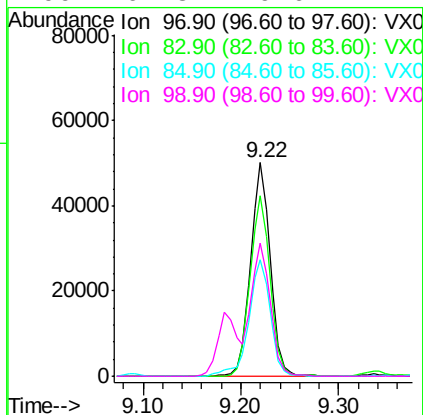
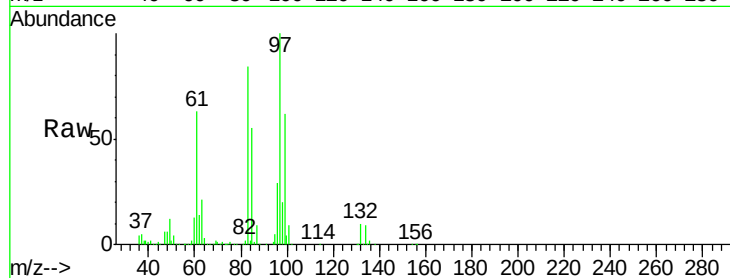
#55
 1,1,2-Trichloroethane
 Concen: 18.10 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.1	103.7
85	54.6	45.2	67.8
99	62.3	49.6	74.4

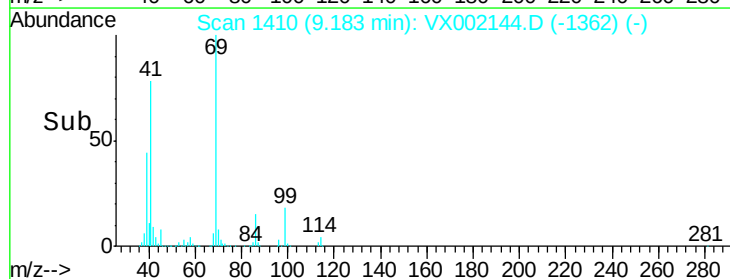
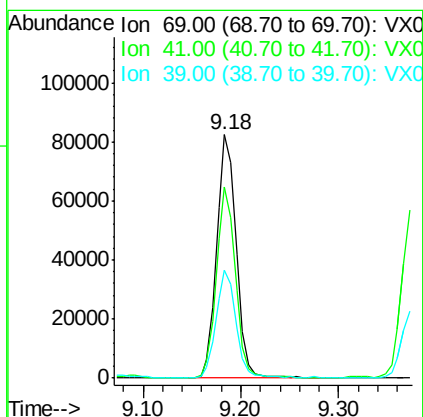
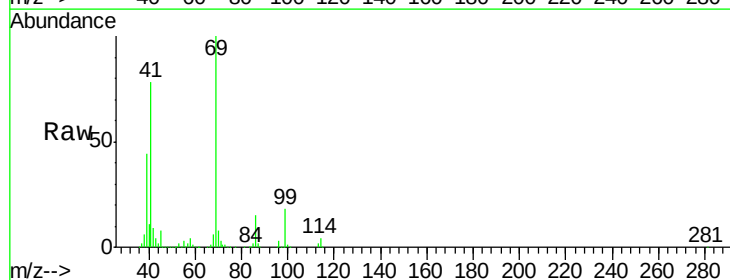
Manual Integrations
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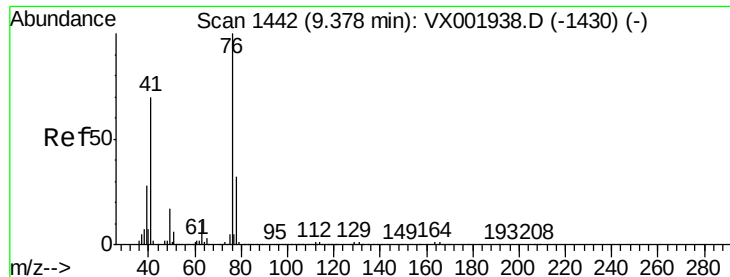
MMDadoda
 5/31/2018 3:07:47 PM



#56
 Ethyl methacrylate
 Concen: 17.13 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.4	61.0	91.6
39	44.4	34.4	51.6





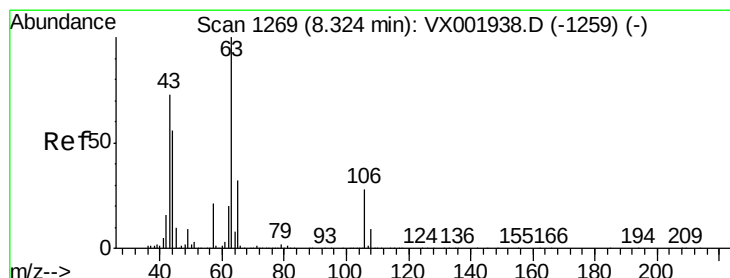
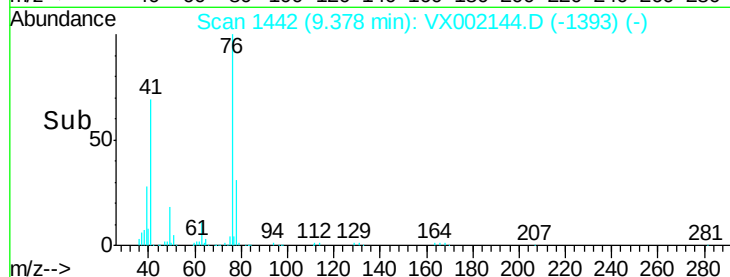
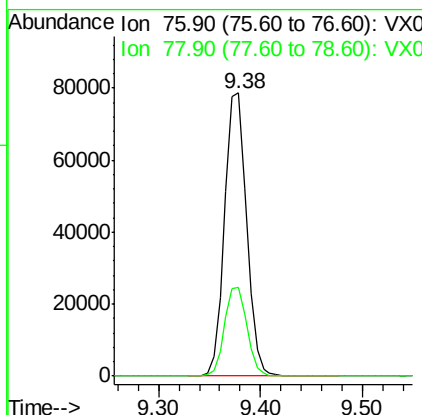
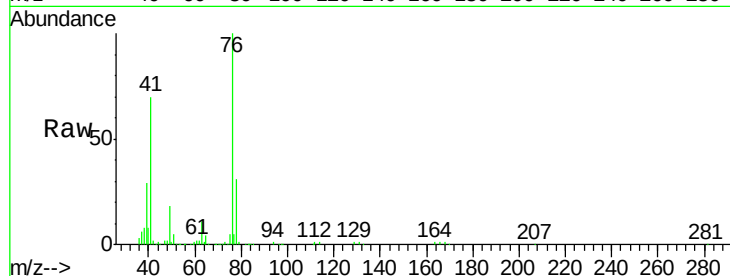
#57
 1,3-Dichloropropane
 Concen: 18.48 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

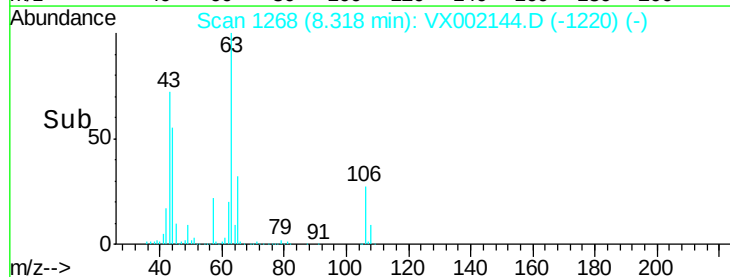
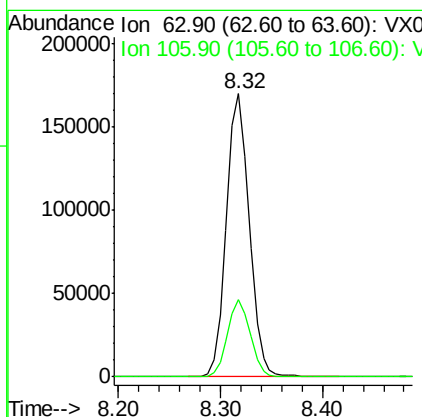
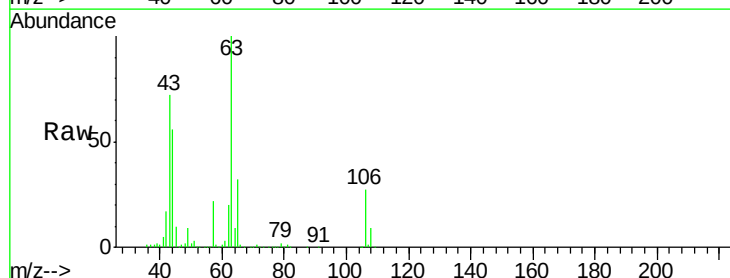
Manual Integrations
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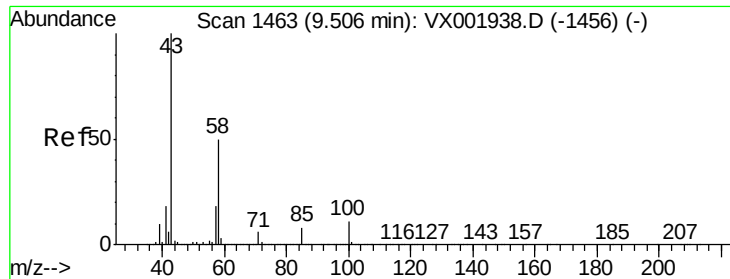
MMDadoda
 5/31/2018 3:07:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.18 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5





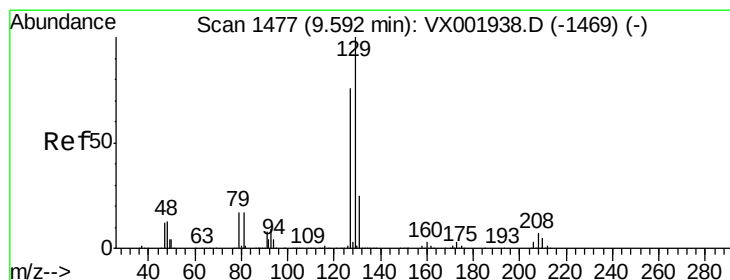
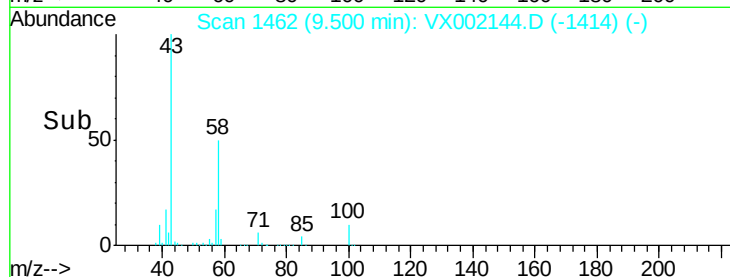
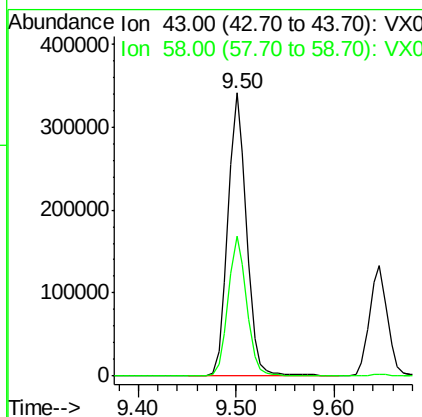
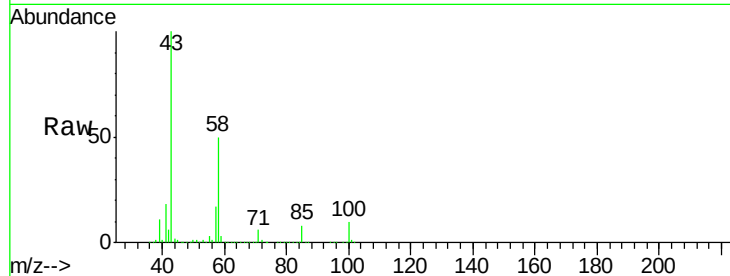
#59
2-Hexanone
Concen: 89.72 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.9	74.6

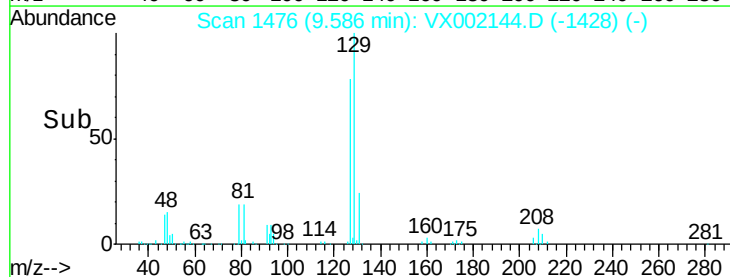
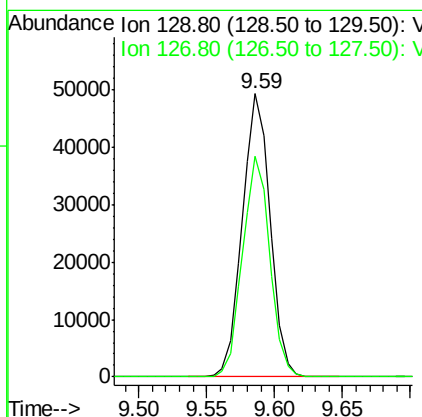
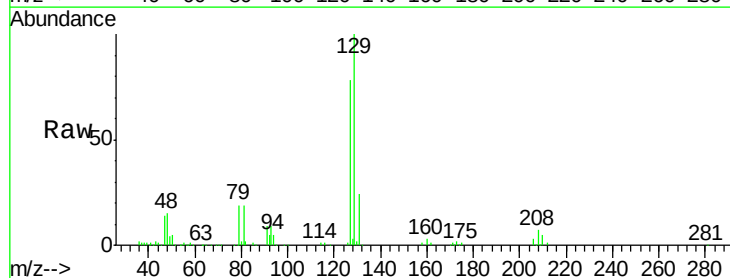
Manual Integrations
APPROVED

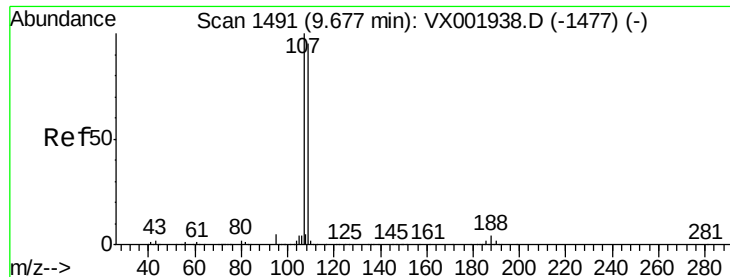
MMDadoda
5/31/2018 3:07:47 PM



#60
Dibromochloromethane
Concen: 15.38 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.3	114.9





#61

1,2-Dibromoethane

Concen: 18.02 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion: 107 Resp: 73369

Ion Ratio Lower Upper

107 100

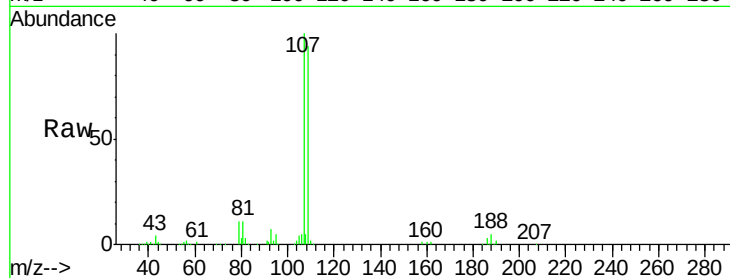
109 94.0 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

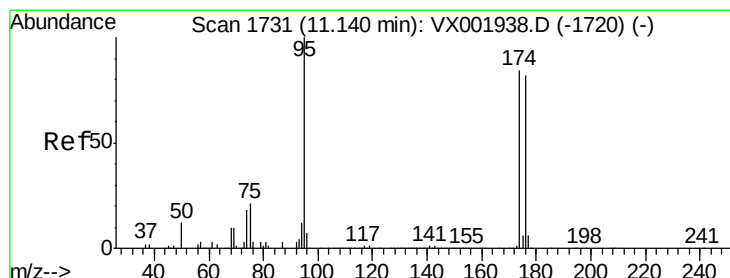
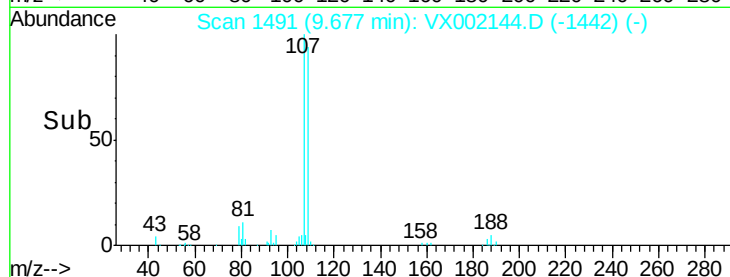
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

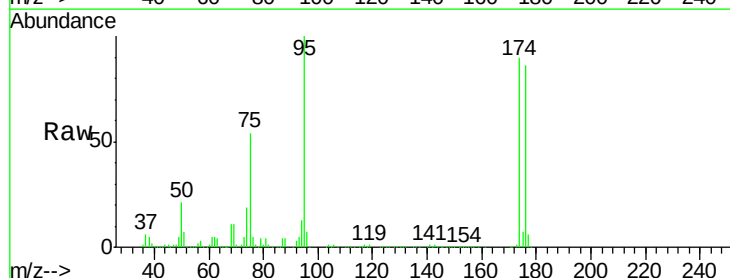
Tgt Ion: 95 Resp: 207431

Ion Ratio Lower Upper

95 100

174 92.8 0.0 178.8

176 89.3 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

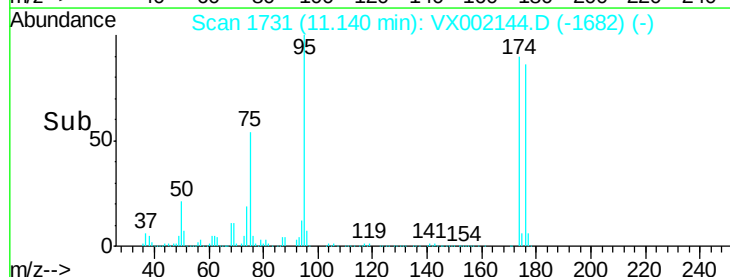
150000

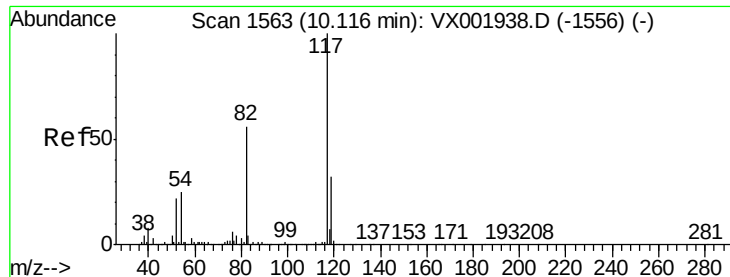
100000

50000

0

Time-->





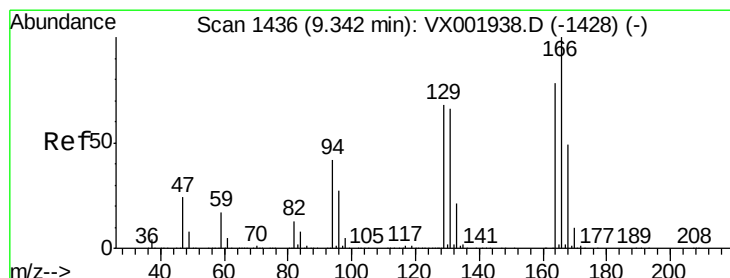
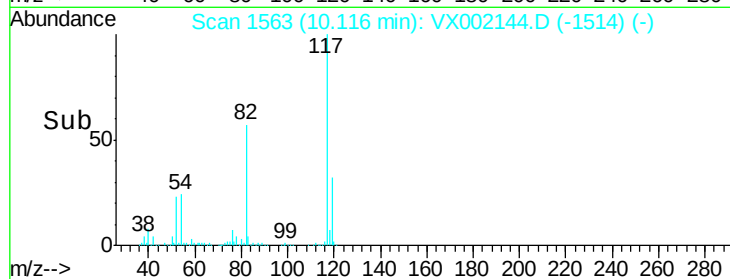
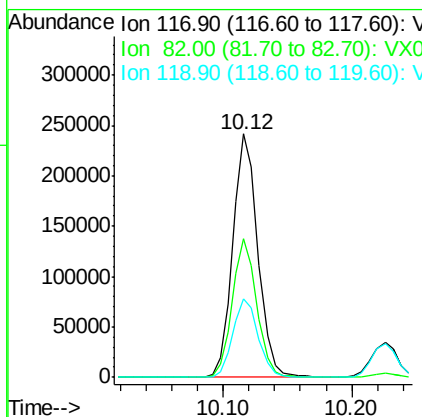
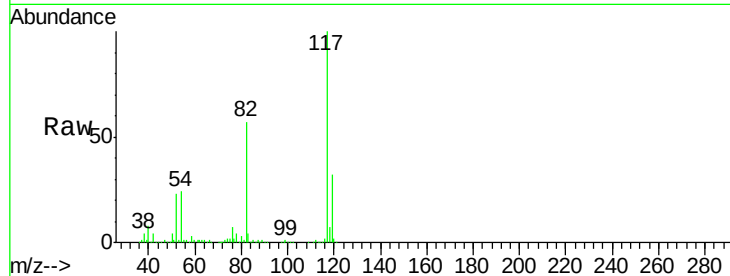
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.8	67.2
119	32.0	25.5	38.3

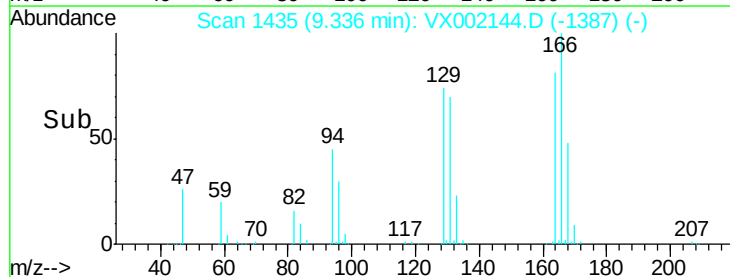
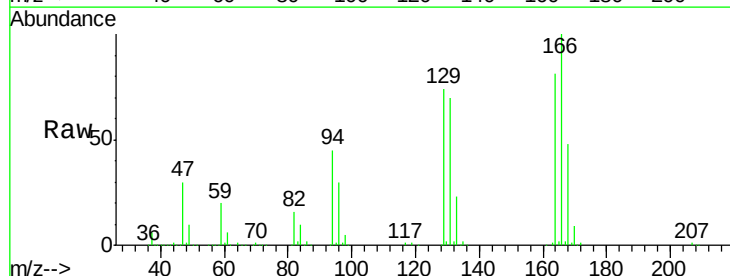
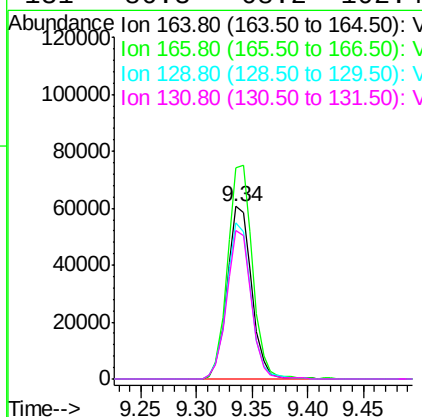
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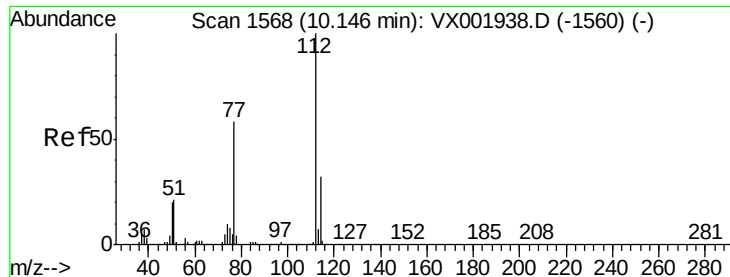
MMDadoda
5/31/2018 3:07:47 PM



#64
Tetrachloroethene
Concen: 19.61 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	102.7	154.1
129	90.3	70.3	105.5
131	86.3	68.2	102.4





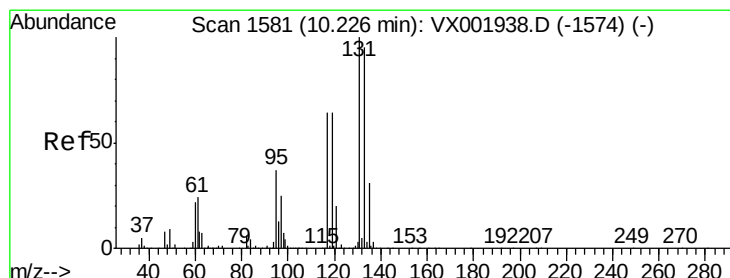
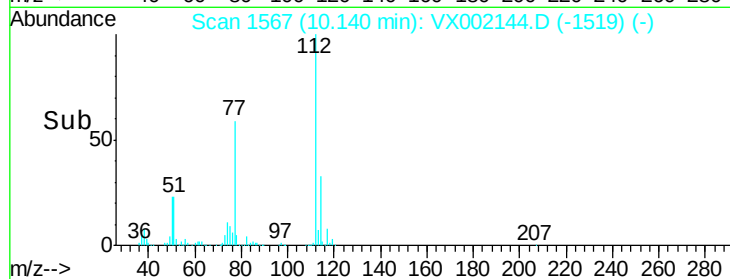
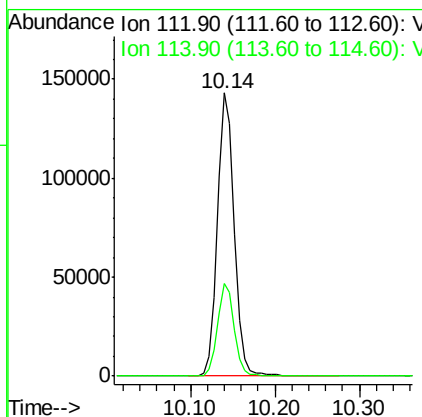
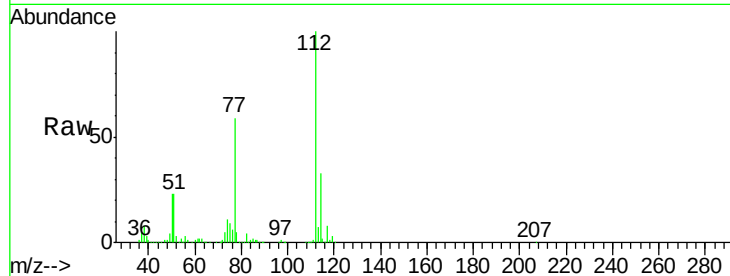
#65
Chlorobenzene
Concen: 19.07 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.9	38.9

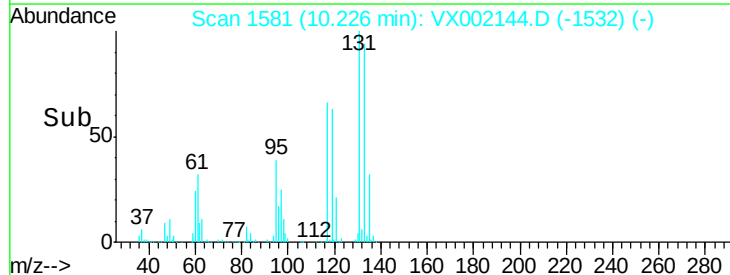
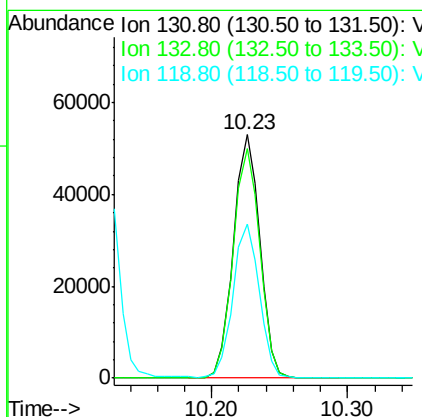
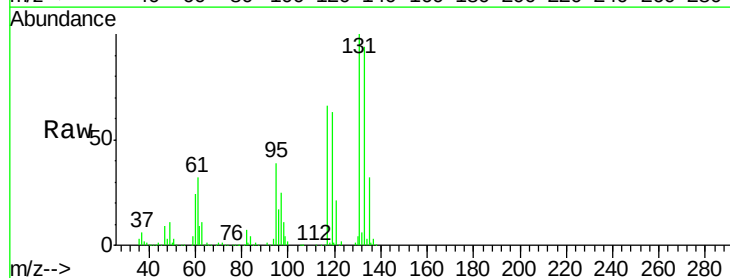
Manual Integrations
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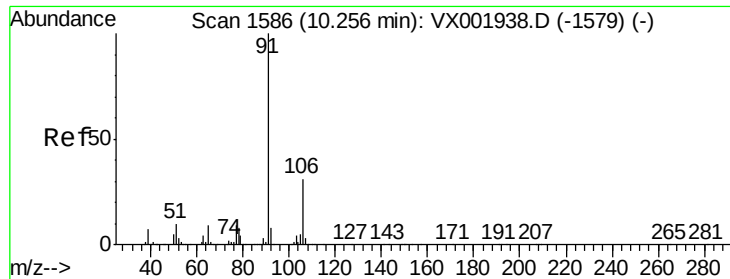
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.09 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.0	144.0
119	63.2	31.9	95.5





#67

Ethyl Benzene

Concen: 19.08 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampled :

VX0530WBS02

Tot Ion: 91 Resp: 344432

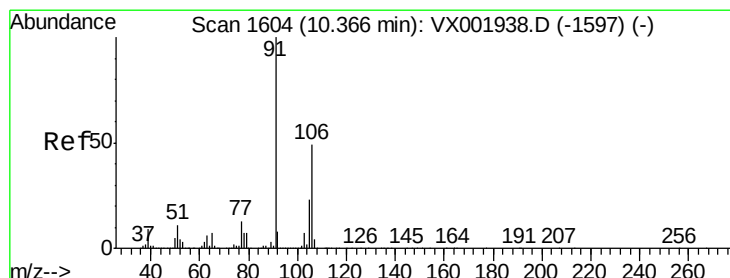
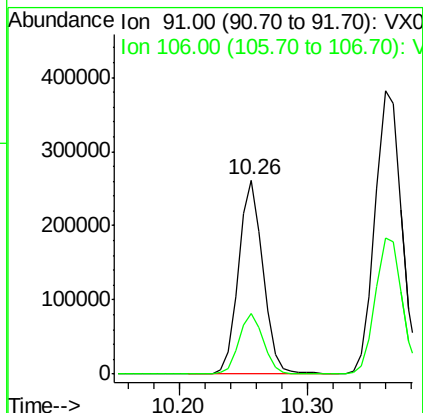
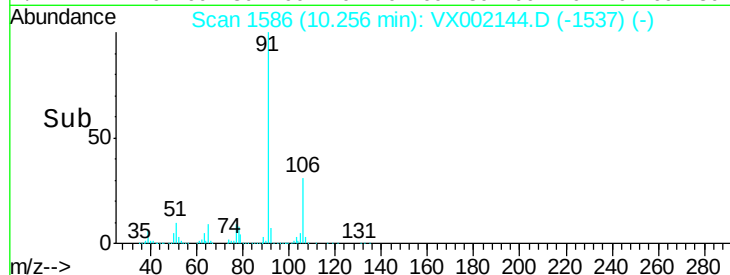
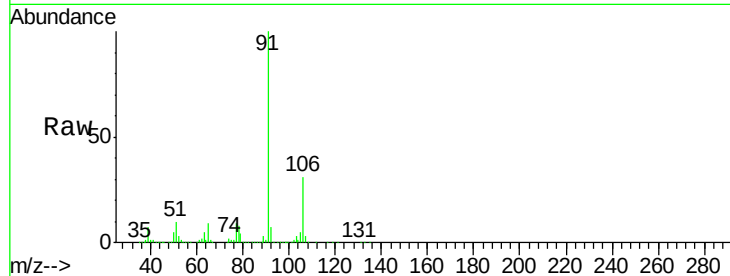
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.14 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002144.D

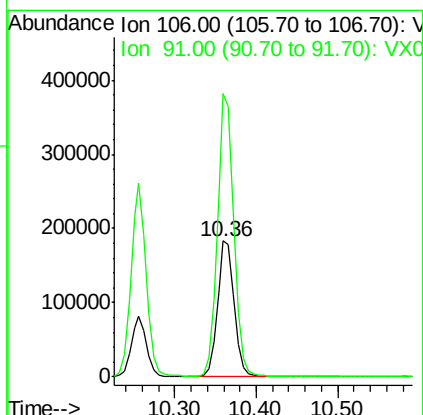
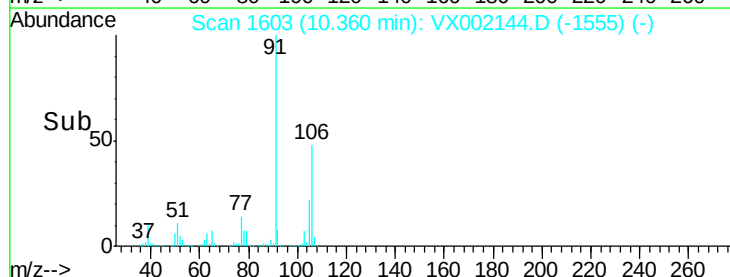
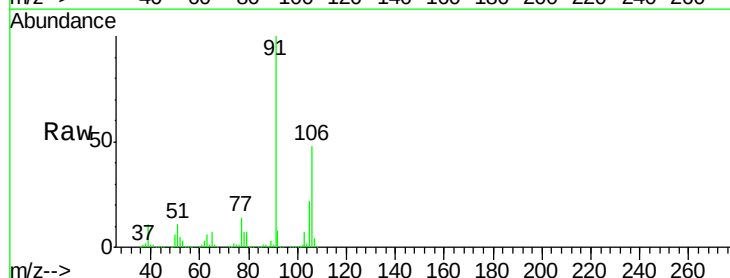
Acq: 30 May 2018 17:59

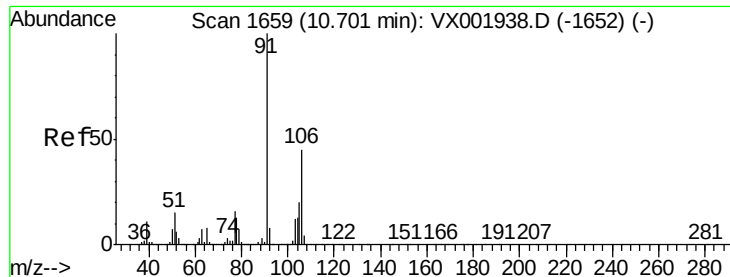
Tgt Ion: 106 Resp: 263112

Ion Ratio Lower Upper

106 100

91 207.1 165.0 247.6





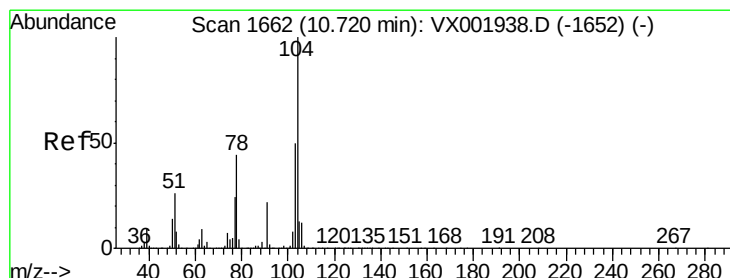
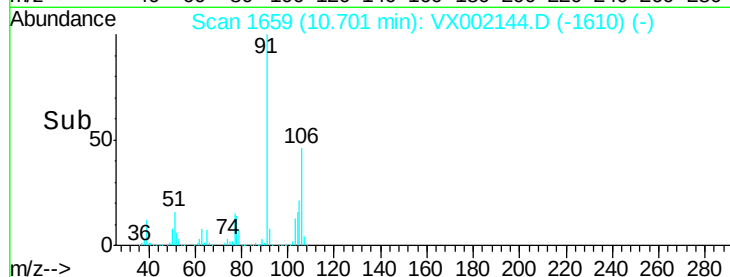
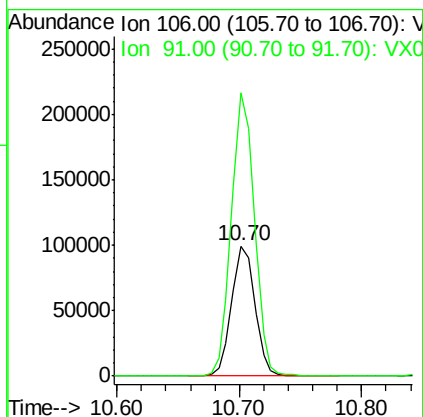
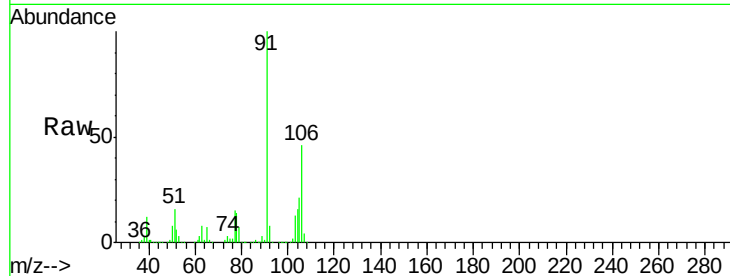
#69
o-Xylene
Concen: 19.01 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampled :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.5	108.7	325.9

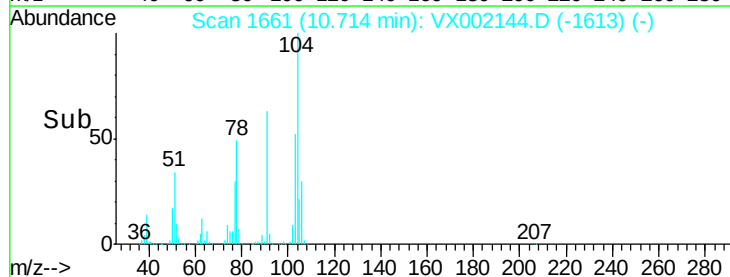
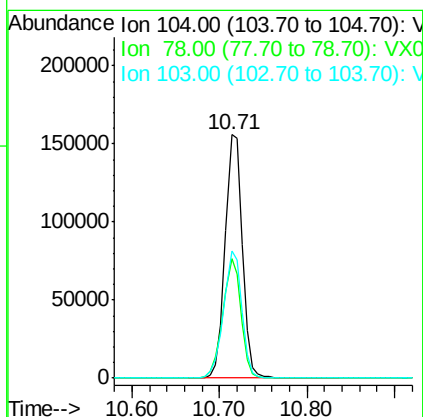
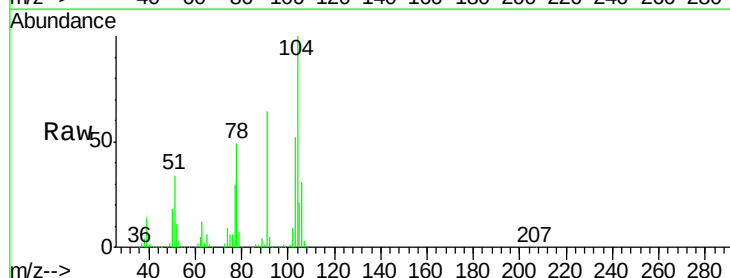
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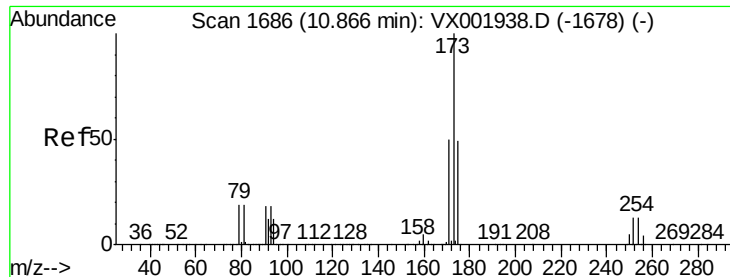
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#70
Styrene
Concen: 18.54 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.8	62.6
103	55.6	44.6	67.0





#71

Bromoform

Concen: 13.83 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion:173 Resp: 55019

Ion Ratio Lower Upper

173 100

175 47.9 24.3 72.9

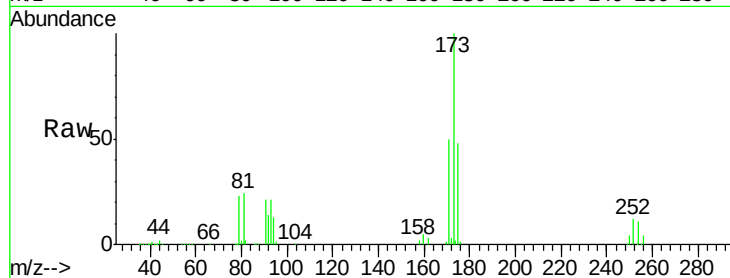
254 0.1 0.1 0.1

Manual Integrations

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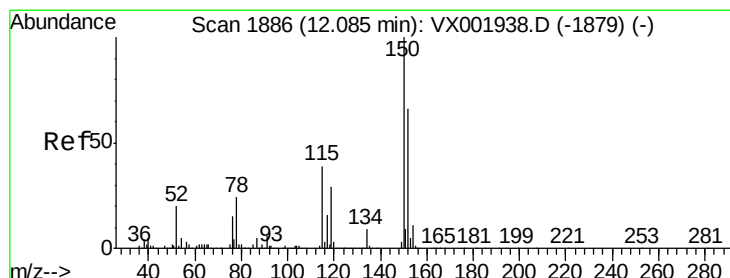
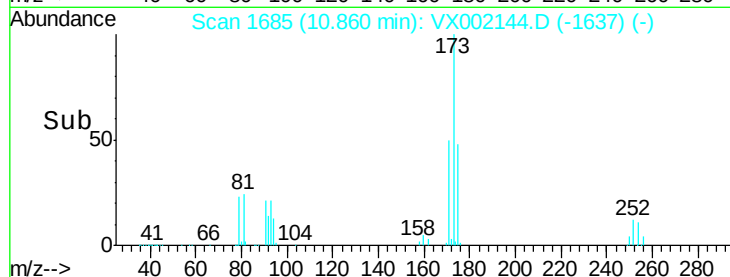
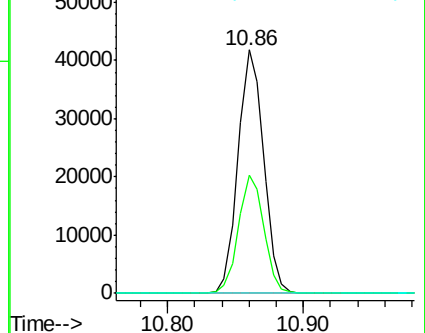
5/31/2018 3:07:47 PM



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

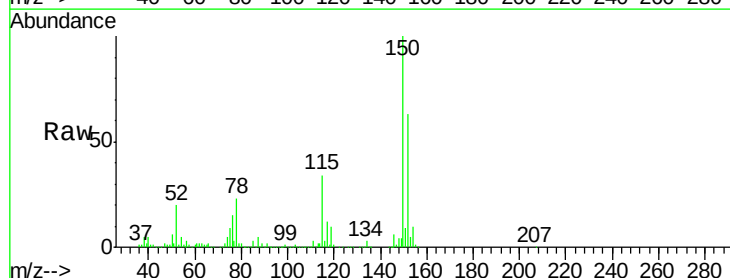
Tgt Ion:152 Resp: 216371

Ion Ratio Lower Upper

152 100

115 67.2 42.3 126.8

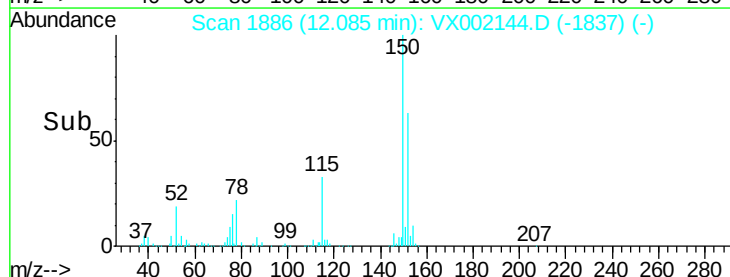
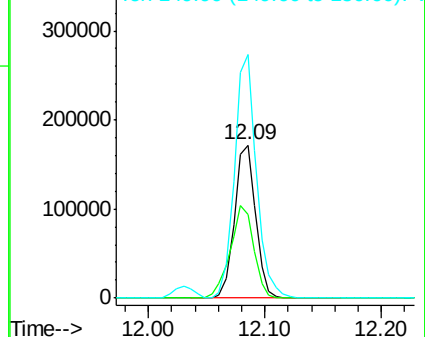
150 165.2 0.0 351.0

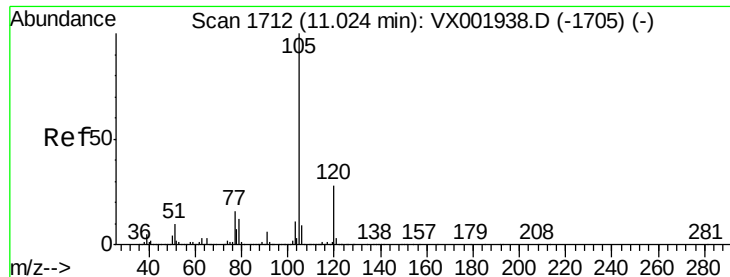


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.22 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion:105 Resp: 352225

Ion Ratio Lower Upper

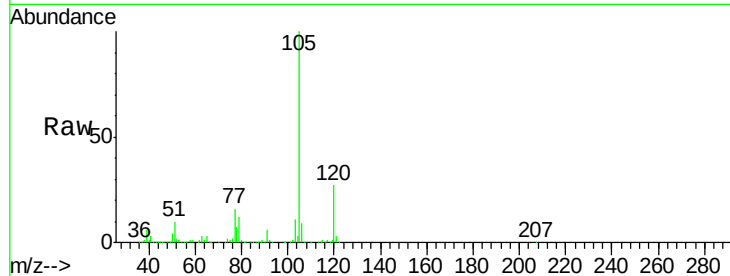
105 100

120 26.9 13.6 40.7

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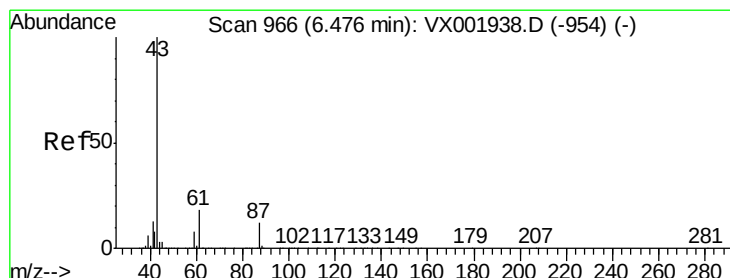
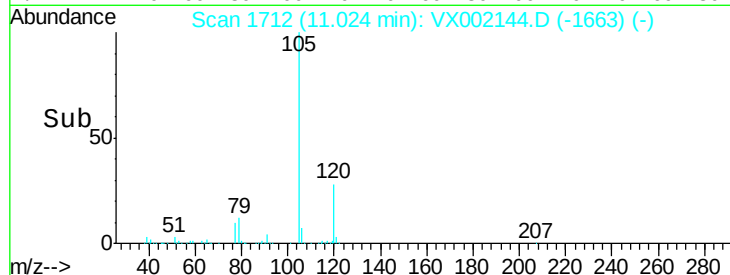
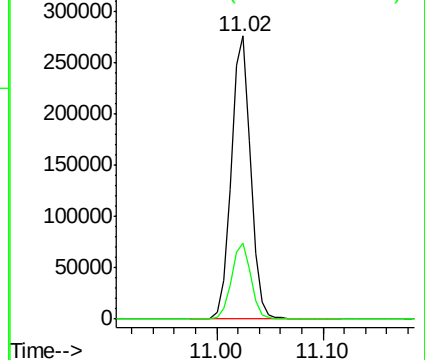
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.52 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion: 43 Resp: 185977

Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.2 0.1 0.1#

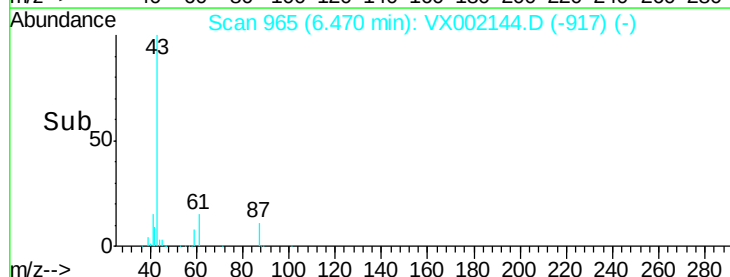
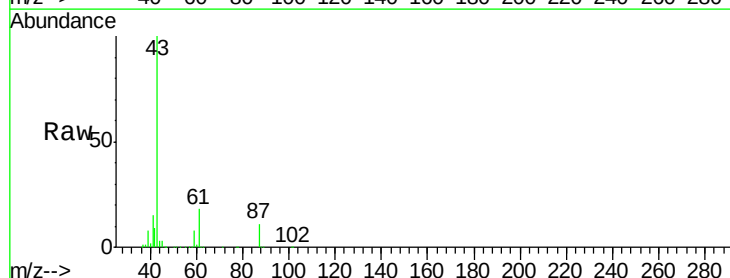
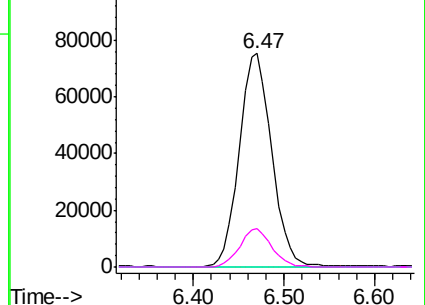
61 17.7 14.5 21.7

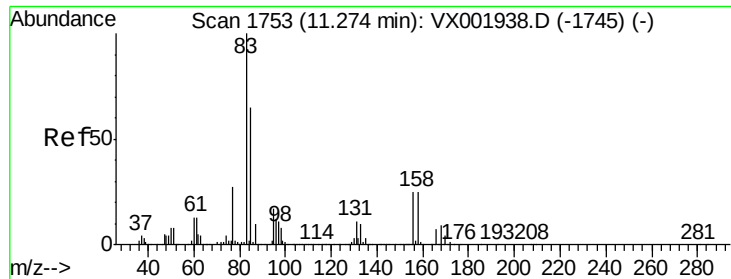
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.01 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

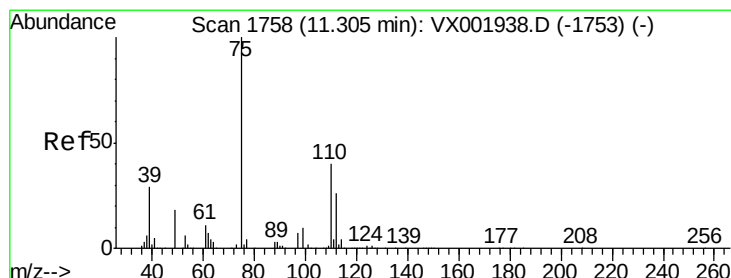
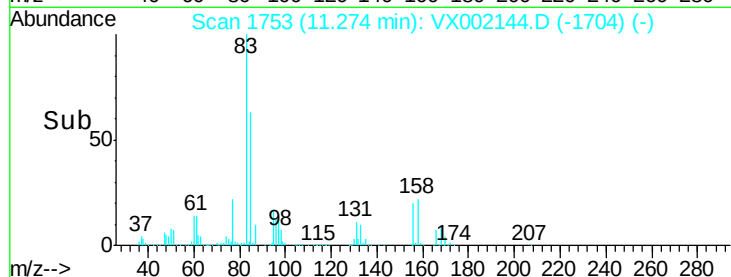
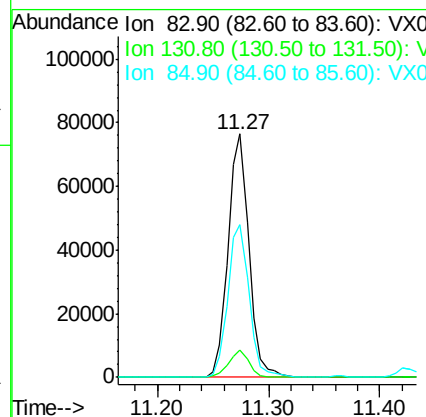
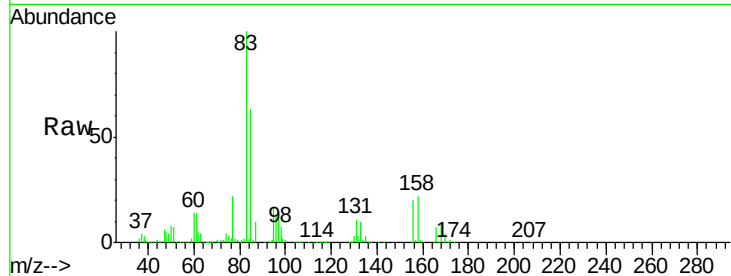
ClientSampled :

VX0530WBS02

Tot Ion:	83	Resp:	99199
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	64.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 17.67 ug/l m

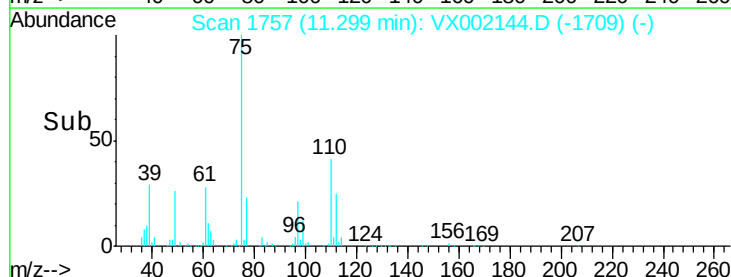
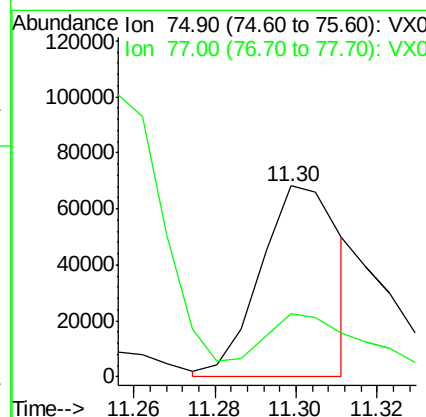
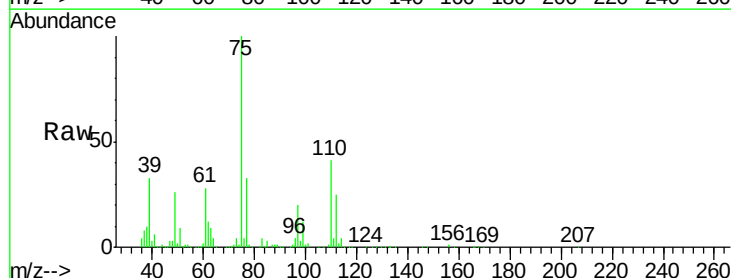
RT: 11.30 min Scan# 1757

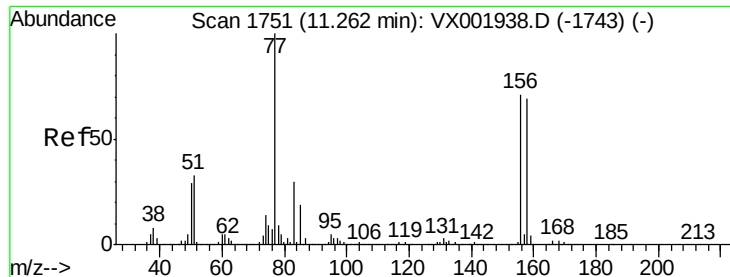
Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion:	75	Resp:	91815
Ion Ratio	Lower	Upper	
75	100		
77	44.0	22.8	68.3





#77

Bromobenzene

Concen: 18.85 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion:156 Resp: 91621

Ion Ratio Lower Upper

156 100

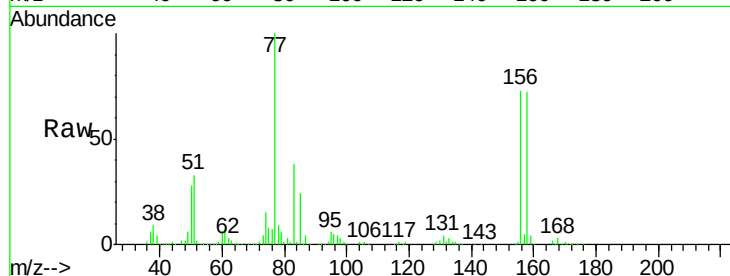
77 145.4 75.2 225.6

158 99.1 48.6 145.8

Manual Integrations
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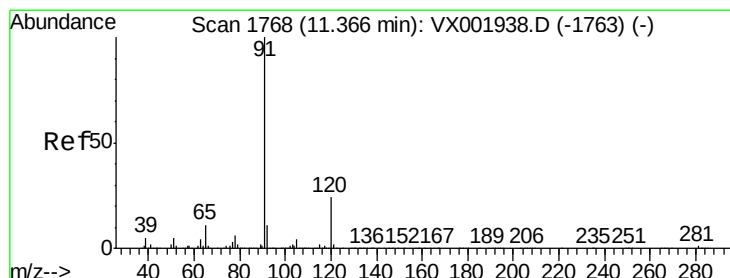
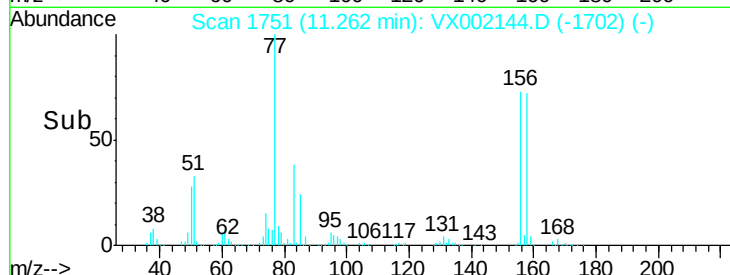
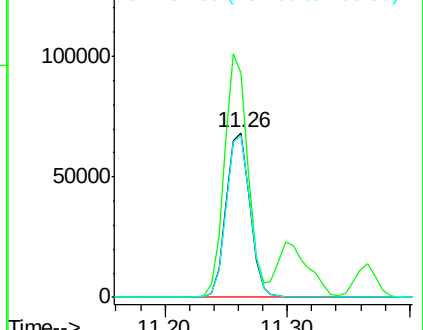
5/31/2018 3:07:47 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.43 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002144.D

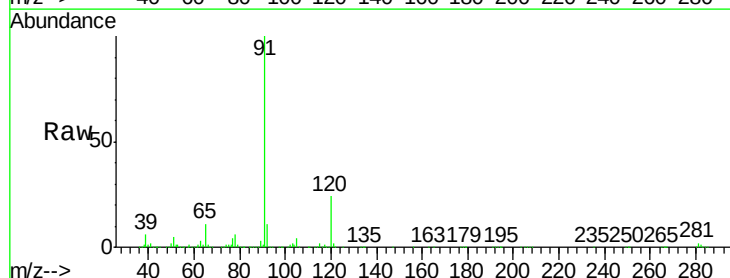
Acq: 30 May 2018 17:59

Tgt Ion: 91 Resp: 398689

Ion Ratio Lower Upper

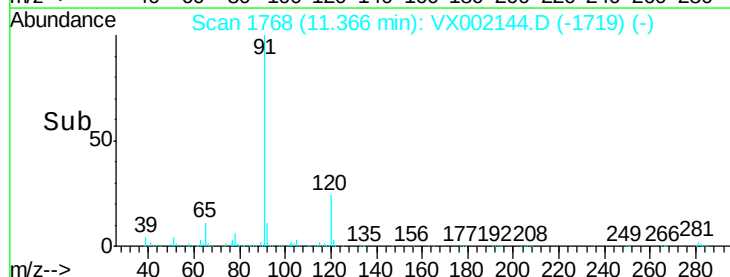
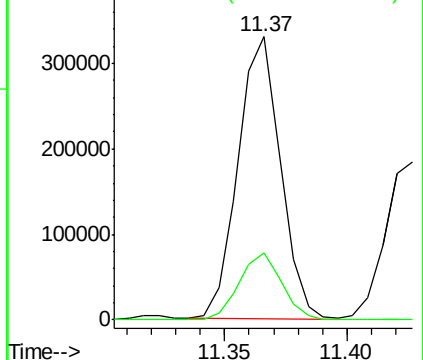
91 100

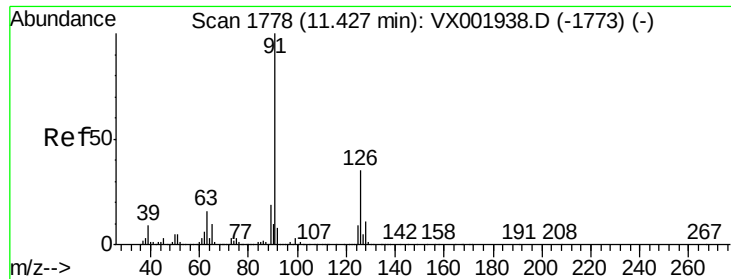
120 23.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.60 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion: 91 Resp: 236463

Ion Ratio Lower Upper

91 100

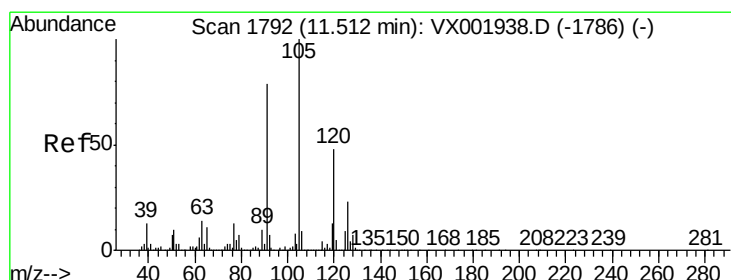
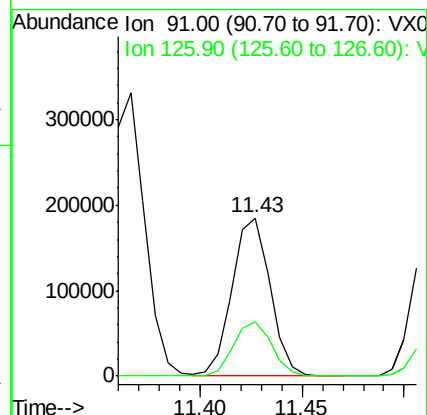
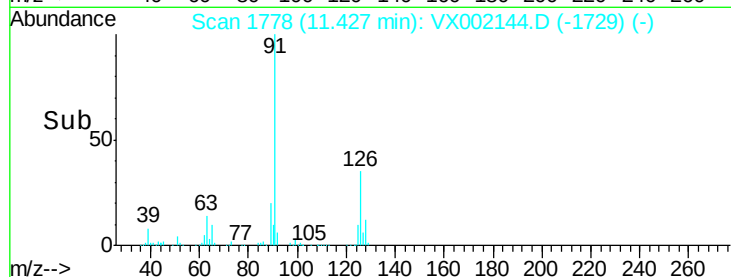
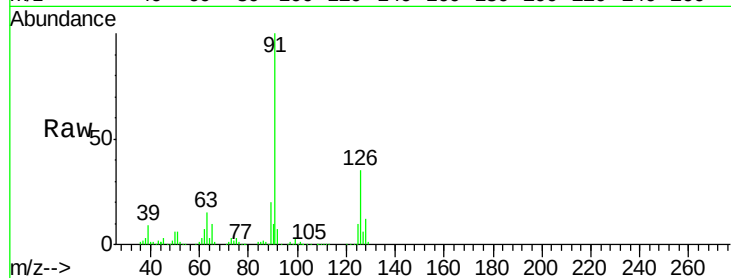
126 35.1 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002144.D

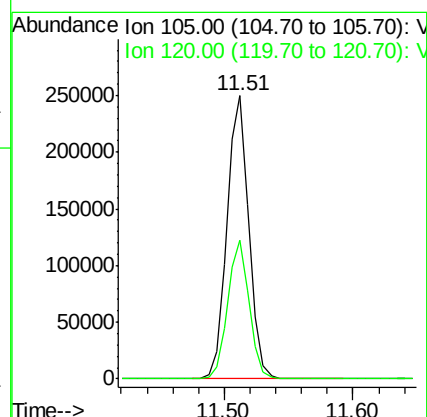
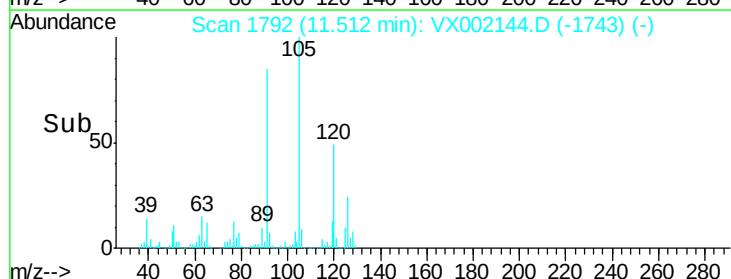
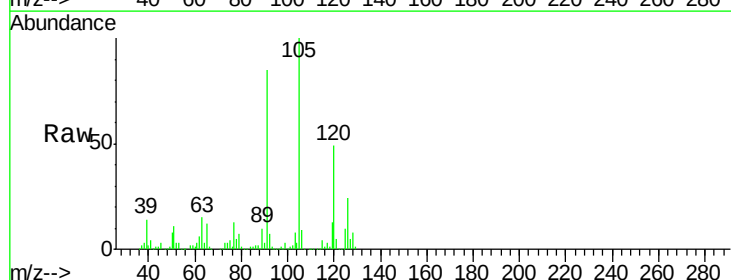
Acq: 30 May 2018 17:59

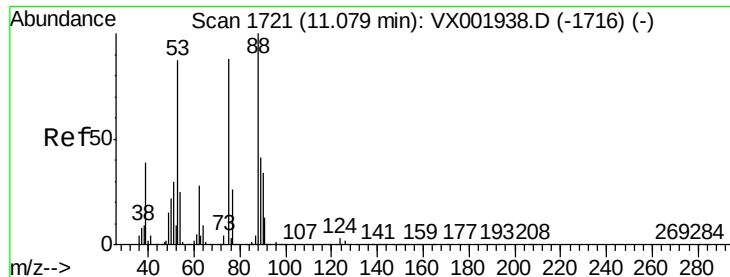
Tgt Ion: 105 Resp: 297692

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.25 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

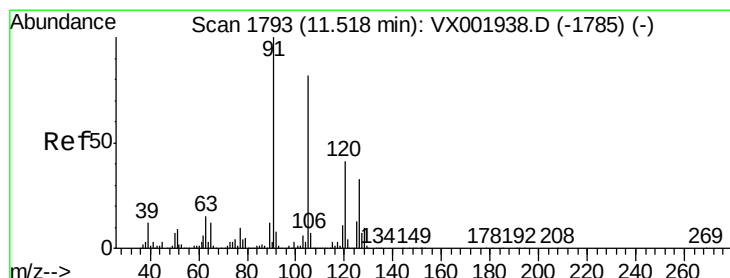
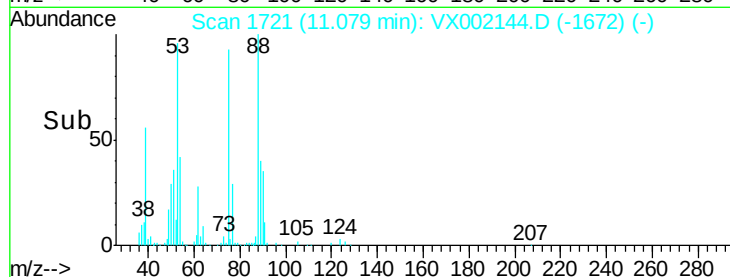
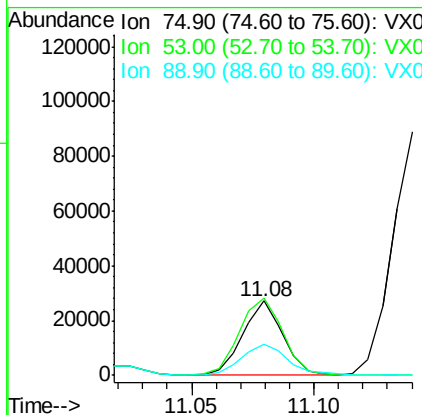
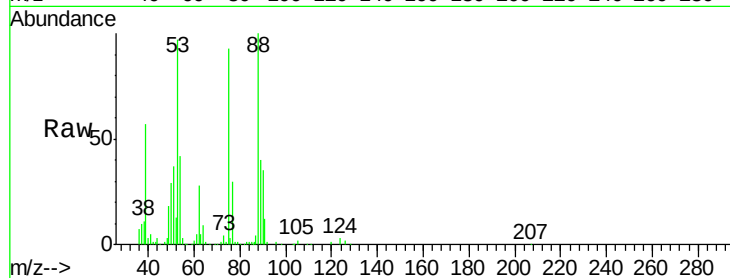
ClientSampleId :

VX0530WBS02

Tot Ion:	75	Resp:	30816
Ion Ratio	Lower	Upper	
75	100		
53	113.6	78.0	117.0
89	49.8	39.4	59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.28 ug/l

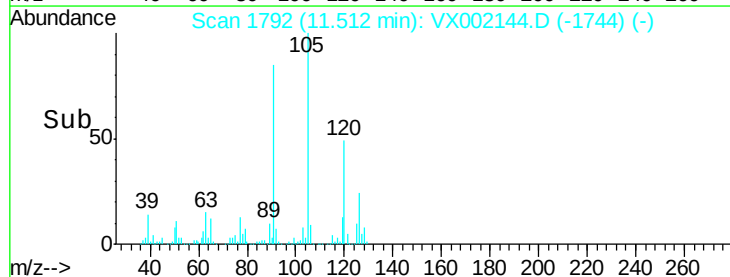
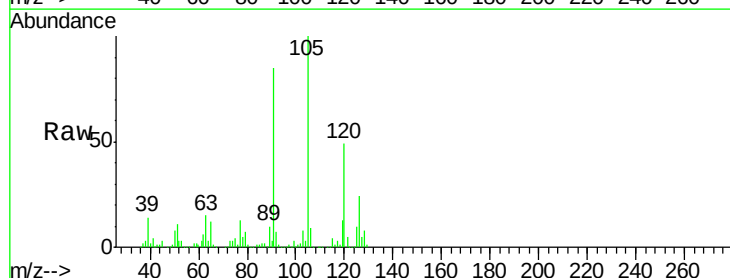
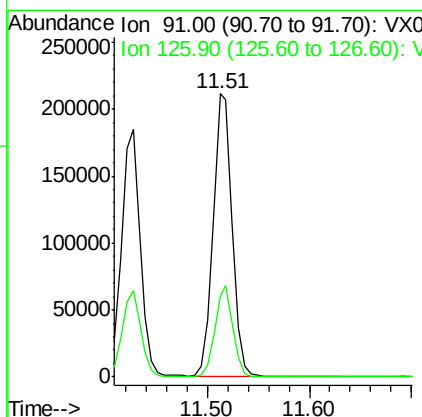
RT: 11.51 min Scan# 1792

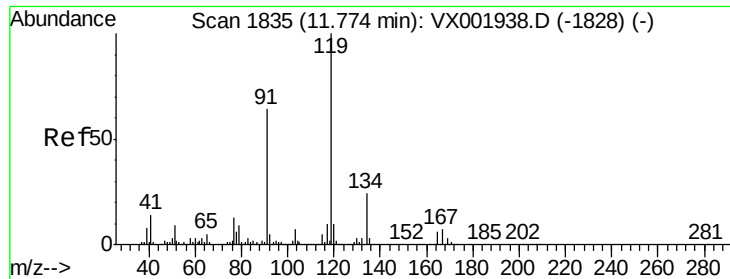
Delta R.T. -0.01 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion:	91	Resp:	279044
Ion Ratio	Lower	Upper	
91	100		
126	30.2	15.3	45.8





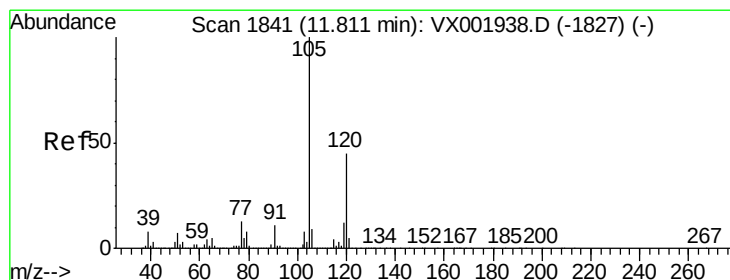
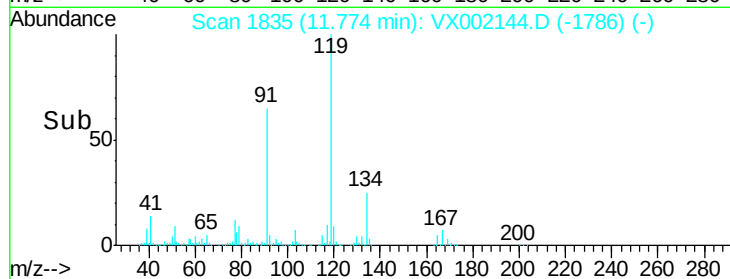
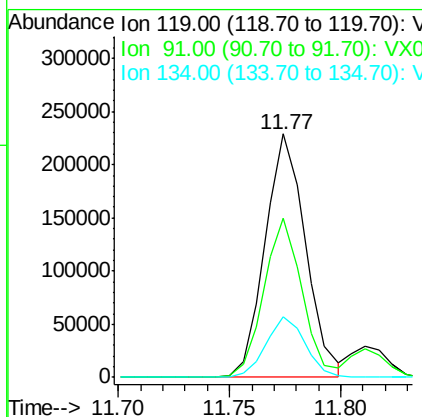
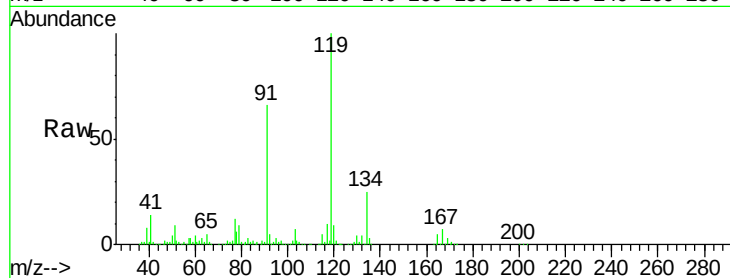
#83
 tert-Butylbenzene
 Concen: 18.85 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	289610		
91	61.9	30.6	91.8	
134	23.9	11.7	35.0	

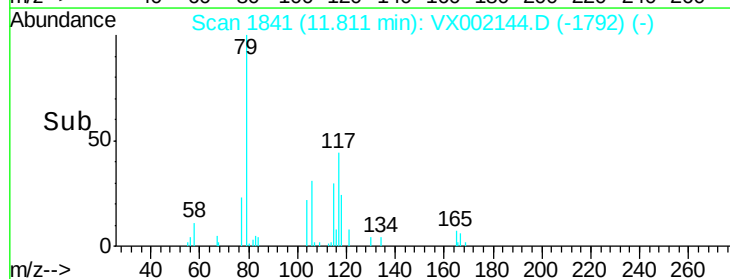
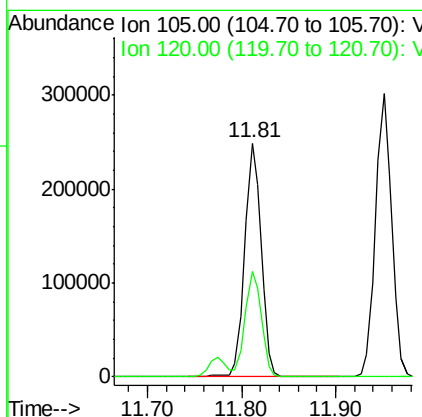
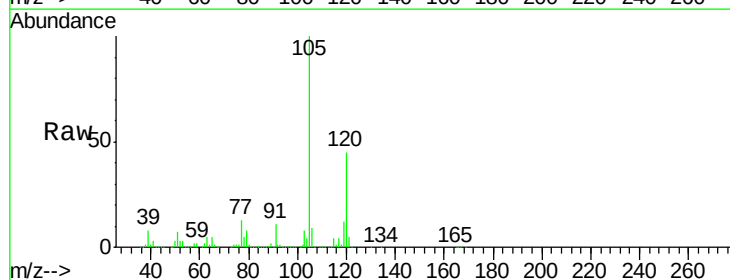
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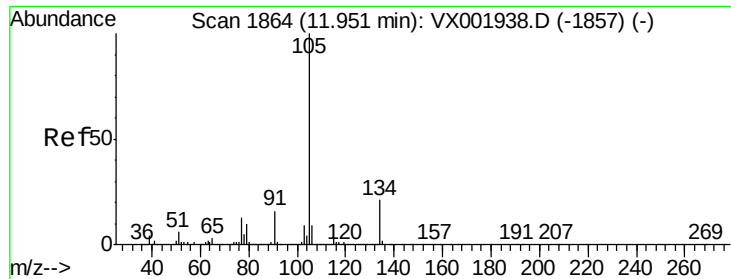
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.83 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	304626		
120	44.3	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.52 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBS02

Tot Ion:105 Resp: 360493

Ion Ratio Lower Upper

105 100

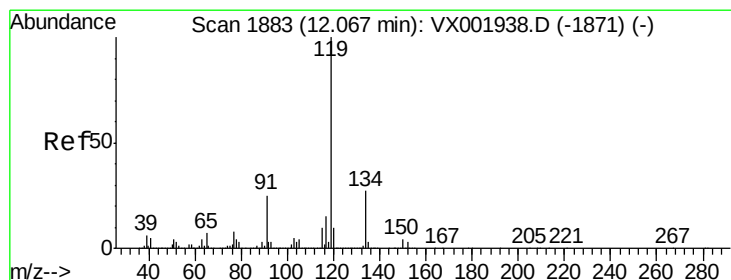
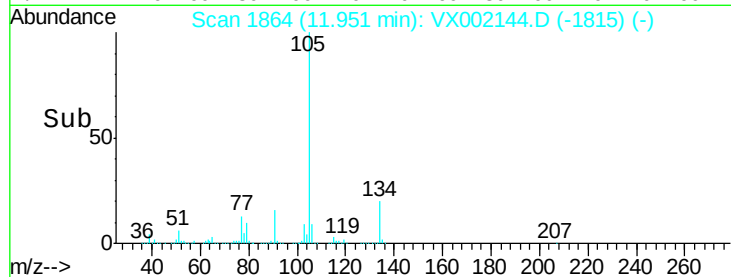
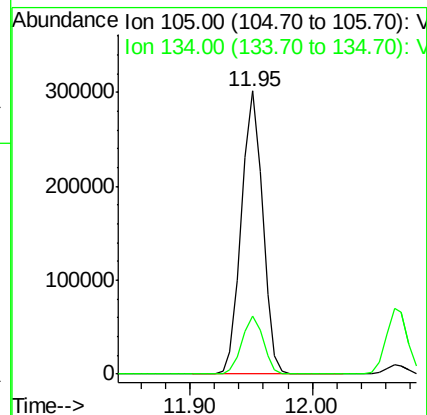
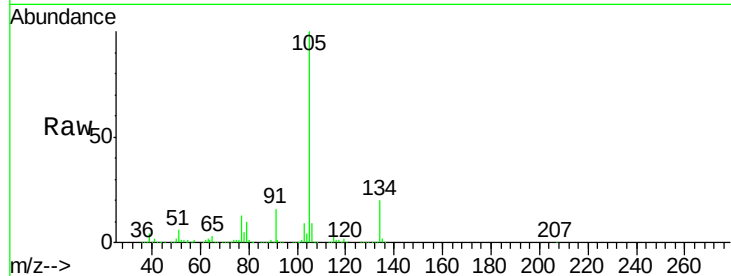
134 20.6 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.52 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

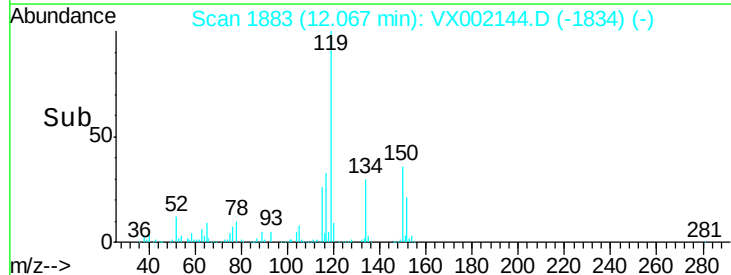
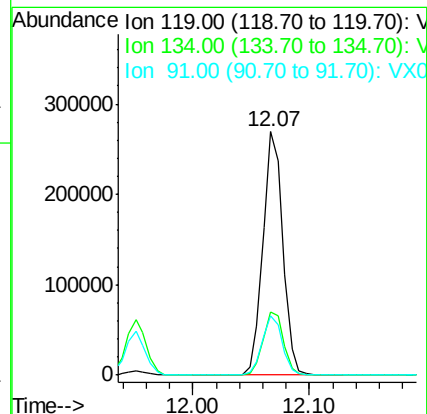
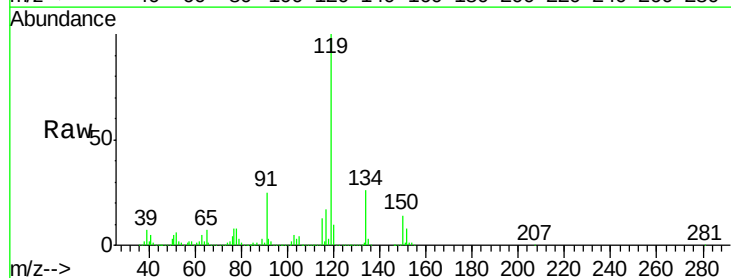
Tgt Ion:119 Resp: 322622

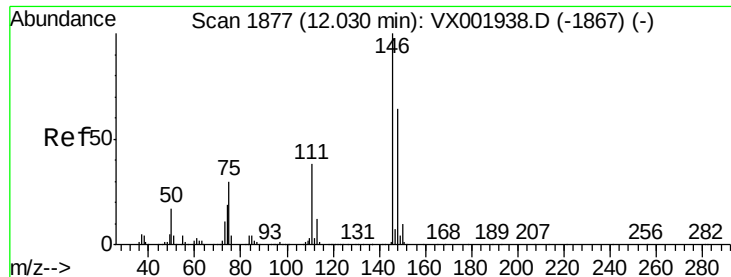
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 24.6 12.2 36.4





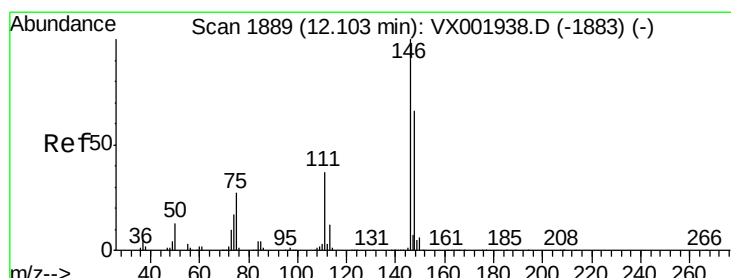
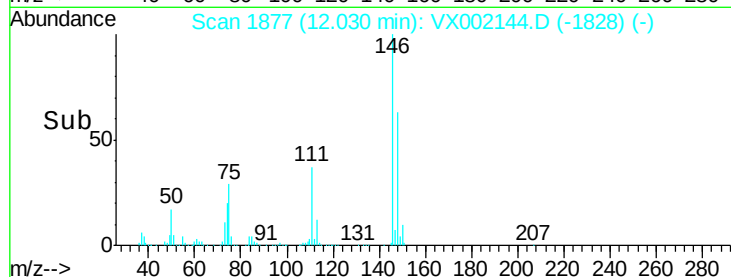
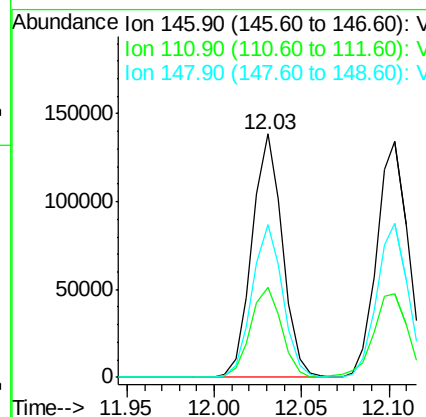
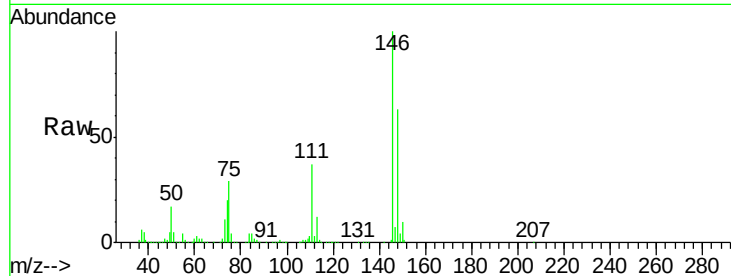
#87
 1,3-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.8
148	63.2	32.1	96.3

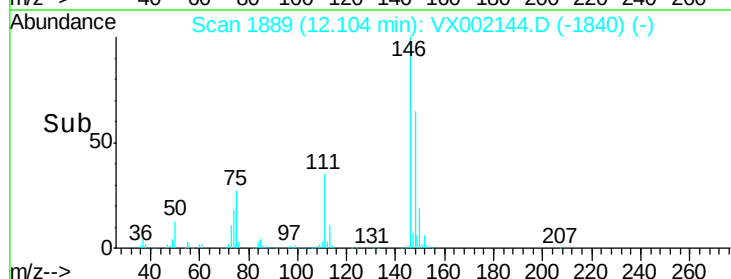
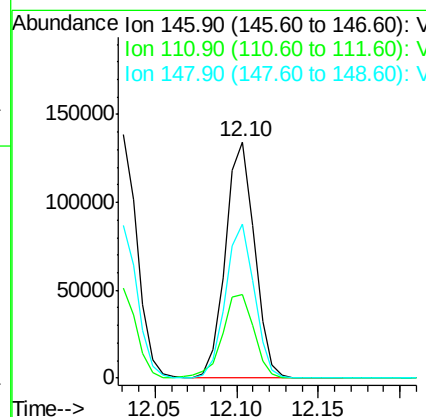
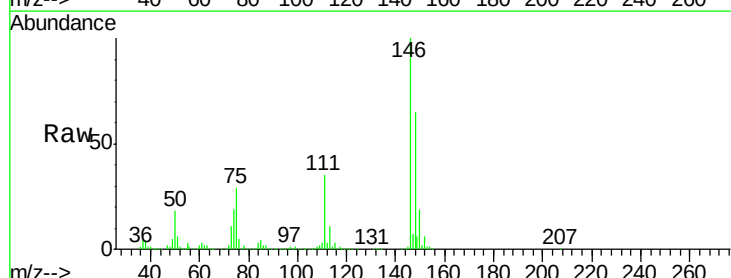
Manual Integrations
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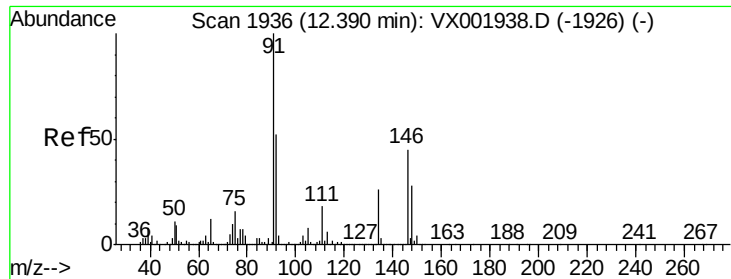
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.27 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	64.9	32.3	96.8





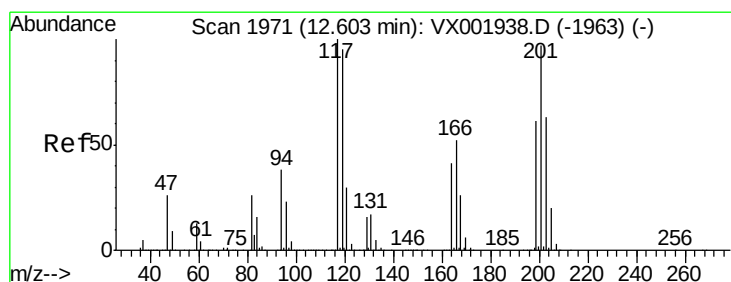
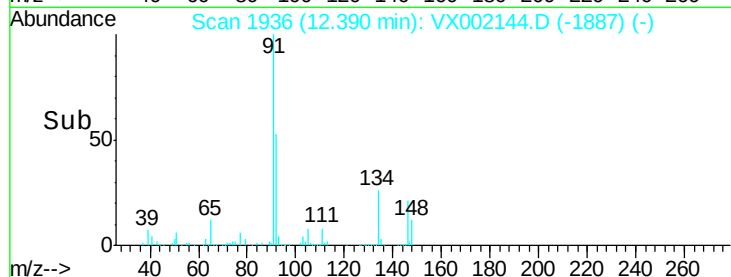
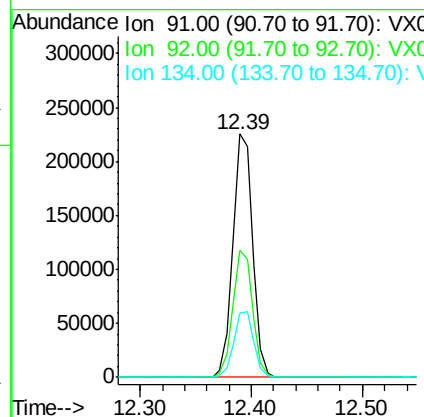
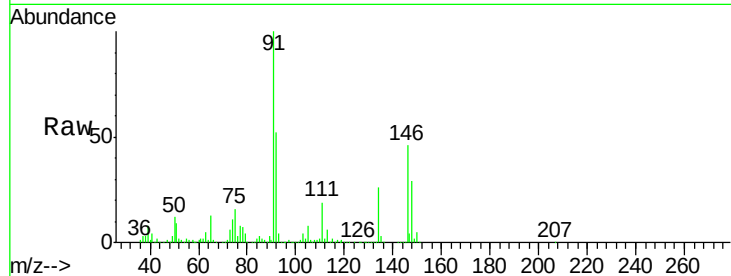
#89
n-Butylbenzene
Concen: 19.74 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	27.2	13.6	40.7

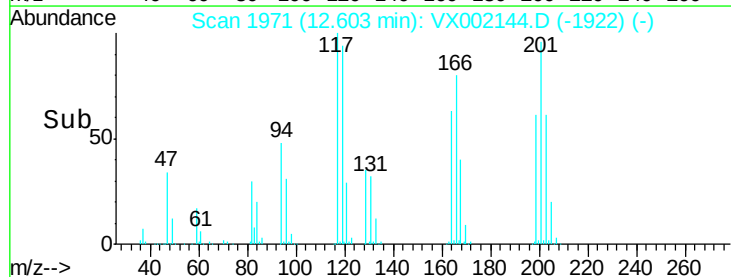
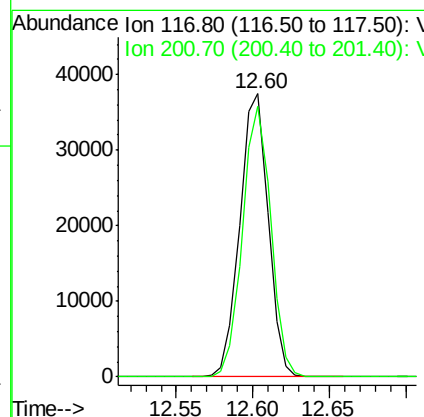
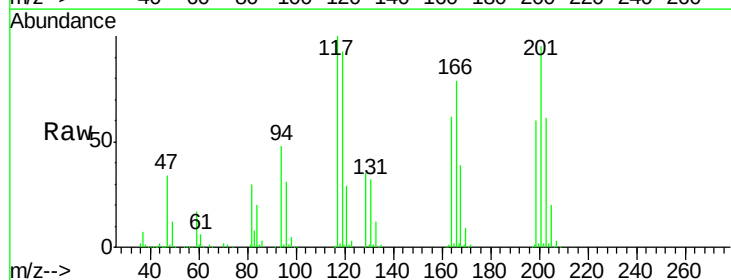
Manual Integrations
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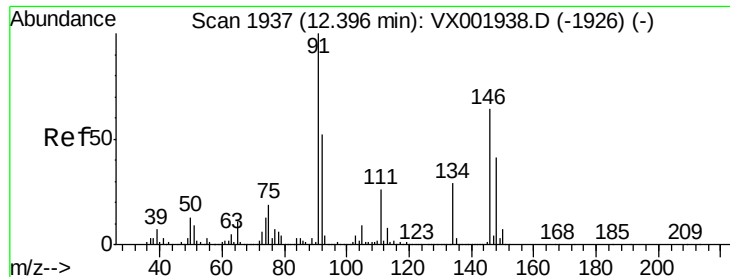
MMDadoda
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#90
Hexachloroethane
Concen: 14.80 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002144.D
Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	48.0	144.0





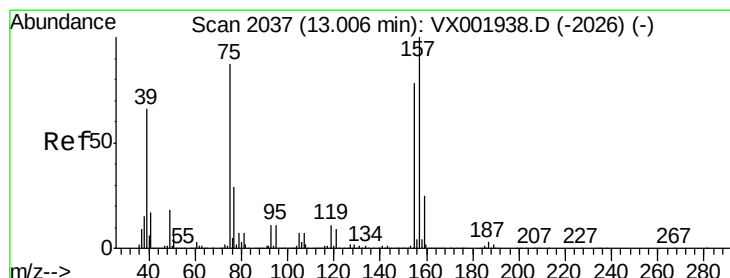
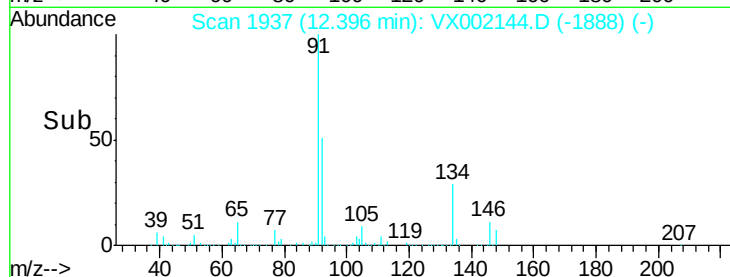
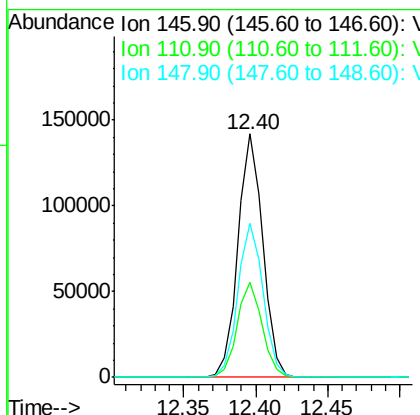
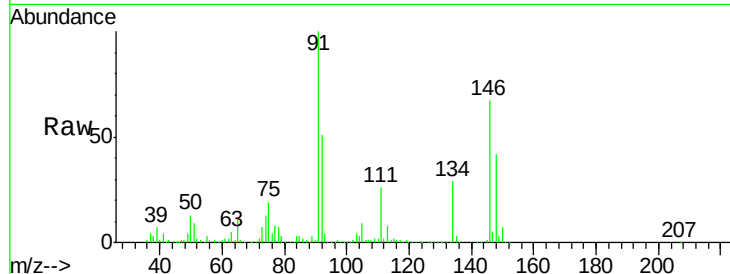
#91
 1,2-Dichlorobenzene
 Concen: 19.25 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.2	32.1	96.5

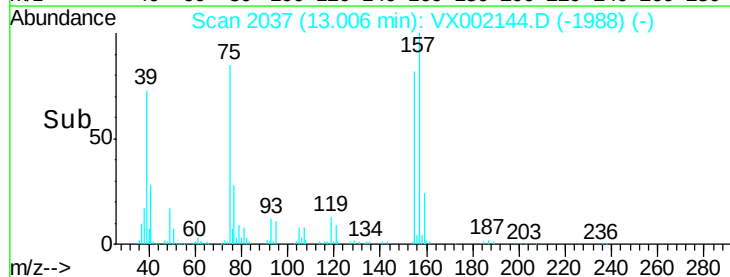
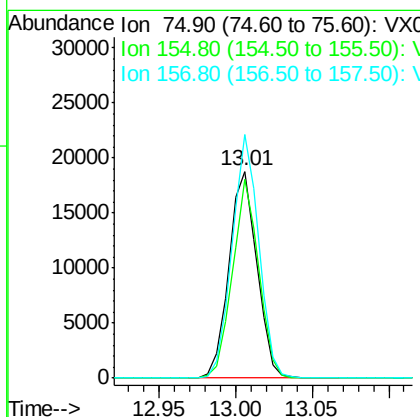
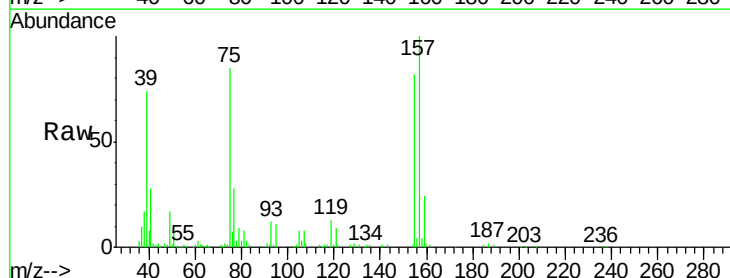
Manual Integrations
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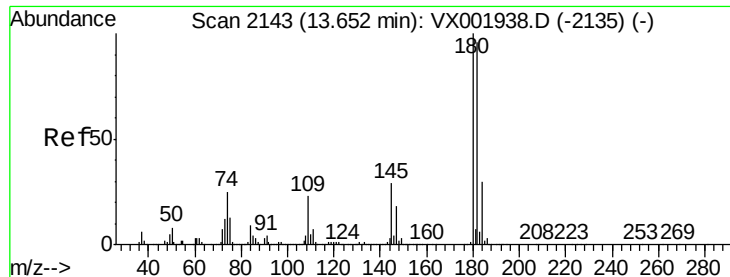
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 5/31/2018 3:07:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.58 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	45.1	135.2
157	112.0	58.1	174.2





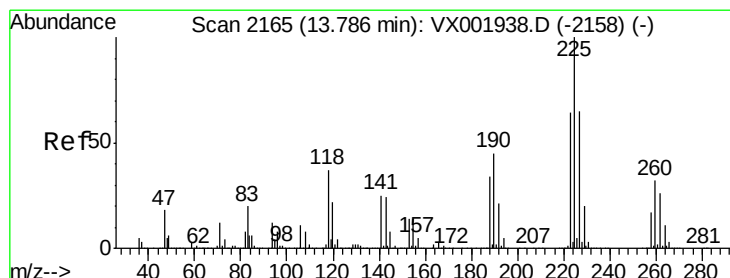
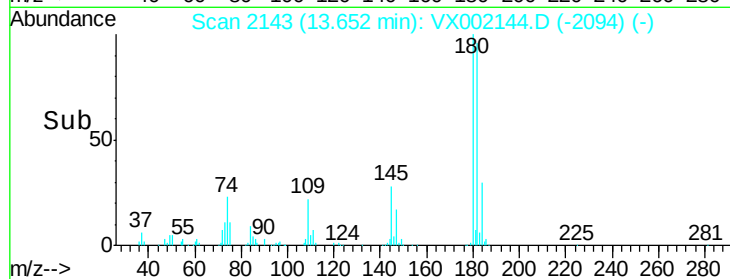
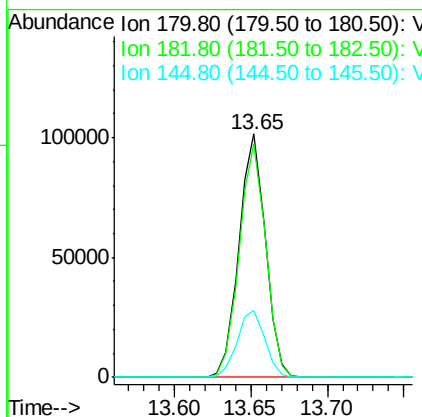
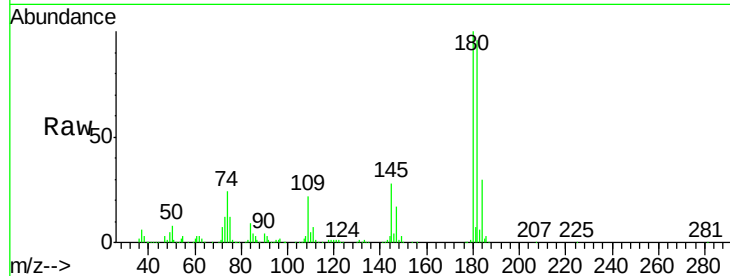
#93
 1,2,4-Trichlorobenzene
 Concen: 19.14 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Instrument :
 MSVOA_X
 ClientSampled :
 VX0530WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121422		
182	96.5	47.7	143.1	
145	28.9	14.4	43.0	

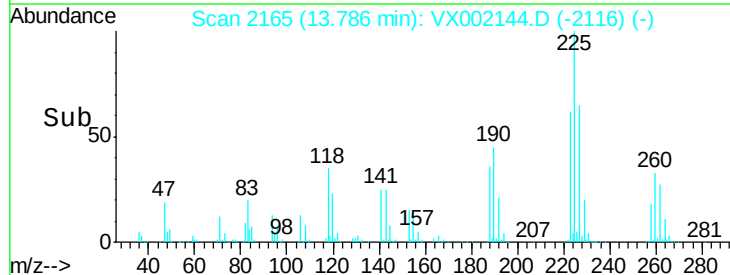
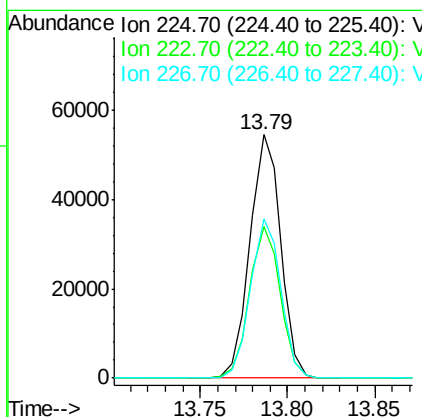
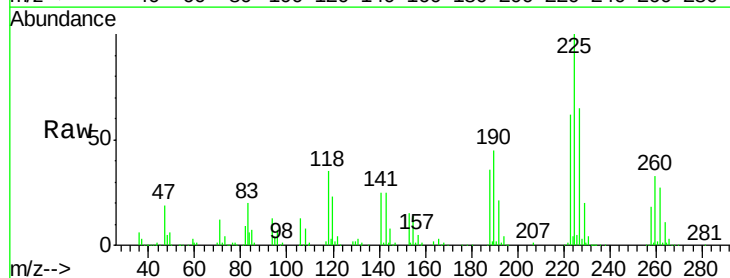
Manual Integrations
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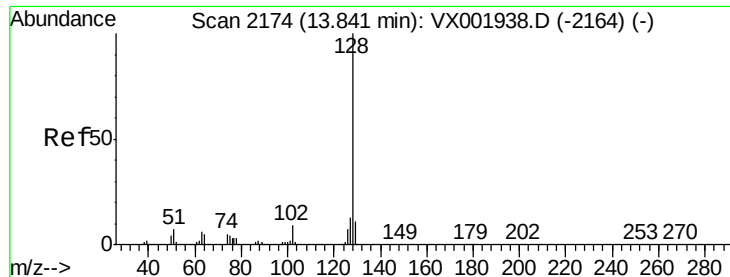
MMDadoda
 5/31/2018 3:07:47 PM



#94
 Hexachlorobutadiene
 Concen: 19.63 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002144.D
 Acq: 30 May 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66986		
223	62.4	31.1	93.5	
227	64.8	32.1	96.5	





#95

Naphthalene

Concen: 18.55 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Instrument :

MSVOA_X

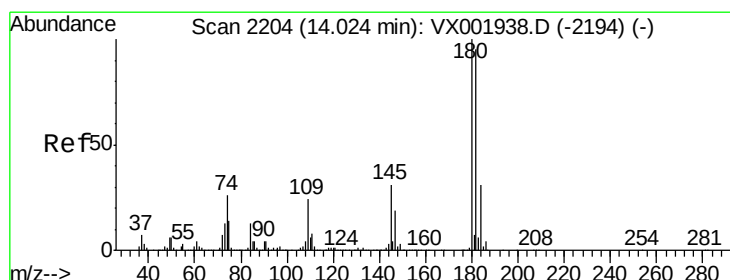
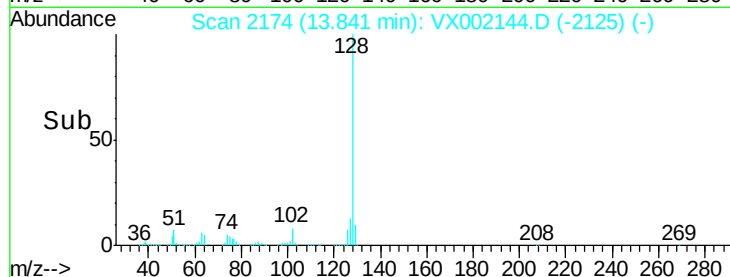
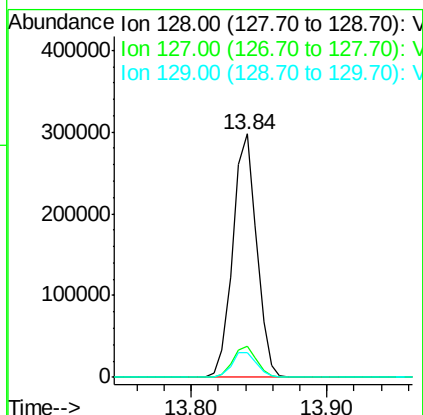
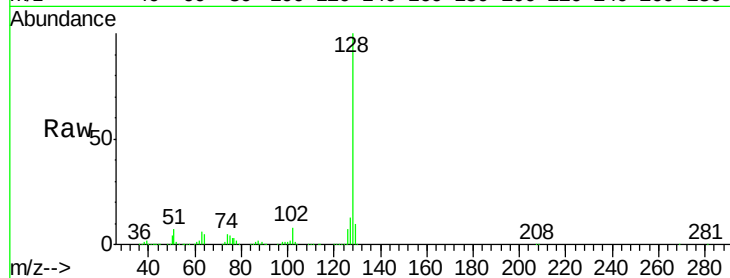
ClientSampleId :

VX0530WBS02

Tot Ion:	128	Resp:	362422
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/31/2018 3:07:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.01 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002144.D

Acq: 30 May 2018 17:59

Tgt Ion:	180	Resp:	124756
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.9	143.6
145	30.3	15.1	45.3

