

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001939.D
 Acq On : 24 May 2018 12:13
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:52 PM

Quant Time: May 24 12:56:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	451849	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	422402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	300448	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	552802	96.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.60%	
35) Dibromofluoromethane	5.51	113	434703	98.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.42%	
50) Toluene-d8	8.72	98	1608758	98.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.94%	
62) 4-Bromofluorobenzene	11.14	95	647128	101.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	410724	97.04	ug/l	98
3) Chloromethane	1.32	50	451438	93.63	ug/l	100
4) Vinyl Chloride	1.40	62	457374	98.26	ug/l	100
5) Bromomethane	1.64	94	209988	93.64	ug/l	99
6) Chloroethane	1.71	64	259133	94.37	ug/l	99
7) Trichlorofluoromethane	1.92	101	665803	94.79	ug/l	100
8) Diethyl Ether	2.19	74	246944	95.87	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	372303	96.52	ug/l	99
10) Methyl Iodide	2.51	142	583047	98.03	ug/l	100
11) Tert butyl alcohol	3.10	59	528001	466.79	ug/l	99
12) 1,1-Dichloroethene	2.37	96	349369	97.12	ug/l	100
13) Acrolein	2.30	56	230711	514.42	ug/l	99
14) Allyl chloride	2.73	41	739897	95.55	ug/l	100
15) Acrylonitrile	3.16	53	1087299	468.97	ug/l	100
16) Acetone	2.46	43	1003708	462.31	ug/l	99
17) Carbon Disulfide	2.56	76	1022347	97.20	ug/l	99
18) Methyl Acetate	2.78	43	524366	93.48	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1313750	94.74	ug/l	100
20) Methylene Chloride	2.86	84	383311	95.15	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	365754	94.54	ug/l	98
22) Diisopropyl ether	3.88	45	1504108	92.58	ug/l	99
23) Vinyl Acetate	3.83	43	6055903	458.41	ug/l	99
24) 1,1-Dichloroethane	3.70	63	718247	95.95	ug/l	99
25) 2-Butanone	4.73	43	1899155	463.73	ug/l	100
26) 2,2-Dichloropropane	4.59	77	701385	94.49	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	463634	96.45	ug/l	95
28) Bromochloromethane	5.03	49	325460	95.45	ug/l	99
29) Tetrahydrofuran	5.18	42	1214538	458.87	ug/l	99
30) Chloroform	5.22	83	798190	96.38	ug/l	98
31) Cyclohexane	5.57	56	734250	95.89	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	755262	96.32	ug/l	99
36) 1,1-Dichloropropene	5.80	75	591750	98.18	ug/l	99
37) Ethyl Acetate	4.88	43	750017	94.04	ug/l	100
38) Carbon Tetrachloride	5.79	117	690134	98.16	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	726530	98.88	ug/l	99
40) Benzene	6.15	78	1740732	97.15	ug/l	100
41) Methacrylonitrile	5.07	41	426947	96.30	ug/l	99
42) 1,2-Dichloroethane	6.20	62	683931	97.78	ug/l	99
43) Isopropyl Acetate	6.48	43	1280348	95.85	ug/l	100
44) Trichloroethene	7.22	130	504730	97.56	ug/l	100
45) 1,2-Dichloropropane	7.53	63	465089	97.39	ug/l	99
46) Dibromomethane	7.67	93	311265	96.57	ug/l	99
47) Bromodichloromethane	7.90	83	659050	97.29	ug/l	100
48) Methyl methacrylate	7.79	41	647645	95.95	ug/l	99
49) 1,4-Dioxane	7.77	88	227401	1868.97	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	3792524	469.47	ug/l	99
52) Toluene	8.79	92	1111975	98.22	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	780862	97.58	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	763542	98.67	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	452157	97.52	ug/l	99
56) Ethyl methacrylate	9.19	69	779733	97.65	ug/l	100
57) 1,3-Dichloropropane	9.38	76	758454	97.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1772773	492.30	ug/l	98
59) 2-Hexanone	9.51	43	2954386	472.54	ug/l	99
60) Dibromochloromethane	9.59	129	563570	99.63	ug/l	99
61) 1,2-Dibromoethane	9.68	107	488827	98.25	ug/l	100
64) Tetrachloroethene	9.34	164	570622	98.15	ug/l	99
65) Chlorobenzene	10.15	112	1267719	98.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	508882	98.74	ug/l	99
67) Ethyl Benzene	10.26	91	2188344	96.92	ug/l	99
68) m/p-Xylenes	10.37	106	1695367	197.33	ug/l	97
69) o-Xylene	10.71	106	834556	98.04	ug/l	100
70) Styrene	10.72	104	1421536	99.45	ug/l	100
71) Bromoform	10.87	173	507366	101.15	ug/l #	99
73) Isopropylbenzene	11.02	105	2250448	92.83	ug/l	100
74) N-amyl acetate	6.48	43	1280348	89.74	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	675641	95.37	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	596393m	89.87	ug/l	
77) Bromobenzene	11.26	156	617711	95.83	ug/l	98
78) n-propylbenzene	11.37	91	2556592	92.92	ug/l	99
79) 2-Chlorotoluene	11.43	91	1541544	93.52	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1931701	93.46	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	260818	93.48	ug/l	99
82) 4-Chlorotoluene	11.52	91	1805425	93.90	ug/l	100
83) tert-Butylbenzene	11.77	119	1928252	96.14	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1996556	94.12	ug/l	99
85) sec-Butylbenzene	11.95	105	2306891	93.89	ug/l	100
86) p-Isopropyltoluene	12.07	119	2100922	95.26	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1125019	97.79	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1125560	97.24	ug/l	99
89) n-Butylbenzene	12.40	91	1846514	96.37	ug/l	99
90) Hexachloroethane	12.60	117	407519	94.29	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	1134963	96.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	201824	93.45	ug/l	100

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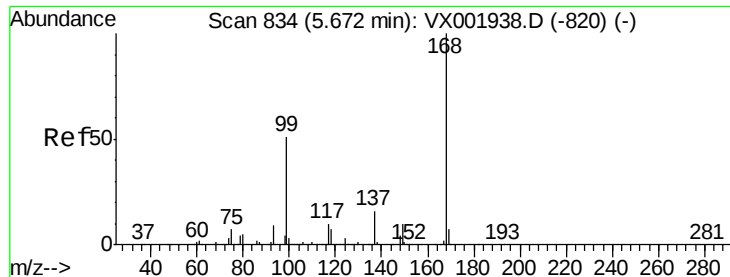
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 12:37:57 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	857520	99.32	ug/l	100
94) Hexachlorobutadiene	13.79	225	456225	98.92	ug/l	100
95) Naphthalene	13.84	128	2512251	94.87	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	864341	97.48	ug/l	100

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



#1

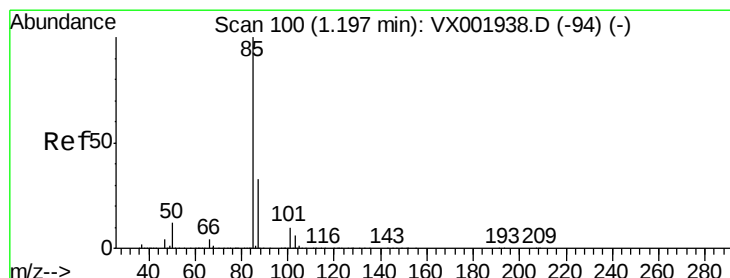
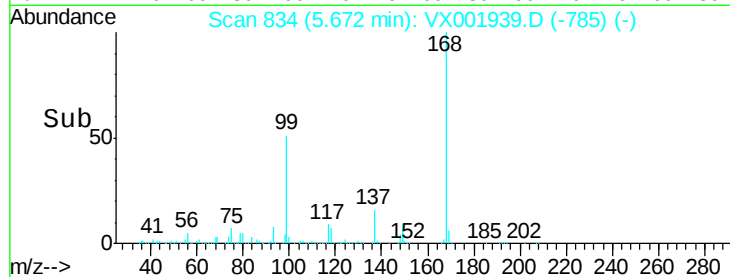
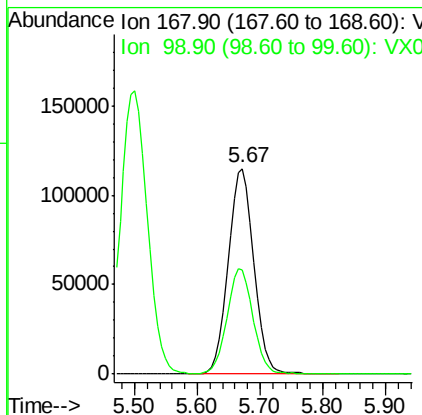
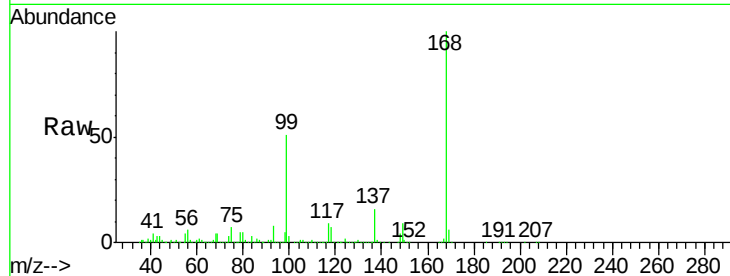
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.6	41.0	61.4

Manual Integrations
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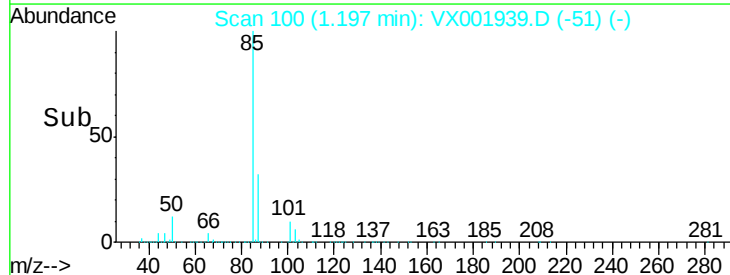
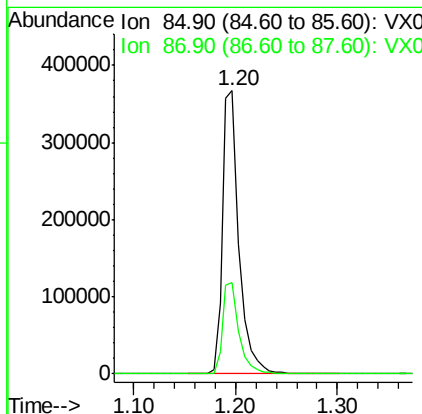
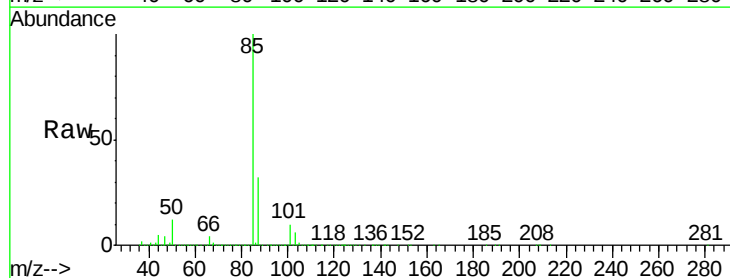
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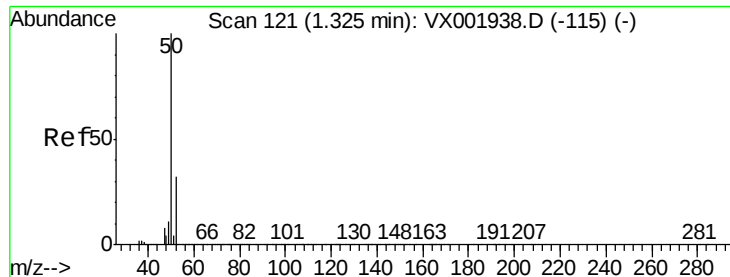


#2

Dichlorodifluoromethane
 Concen: 97.04 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.7	50.0





#3

Chloromethane

Concen: 93.63 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 451438

Ion Ratio Lower Upper

50 100

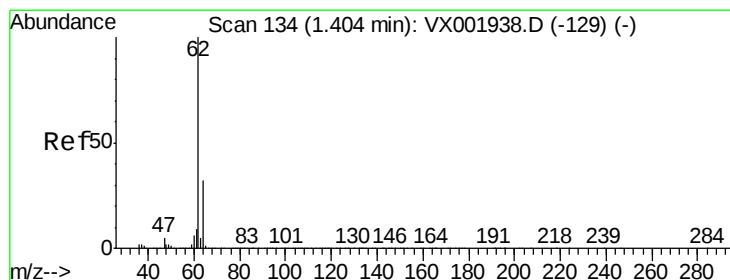
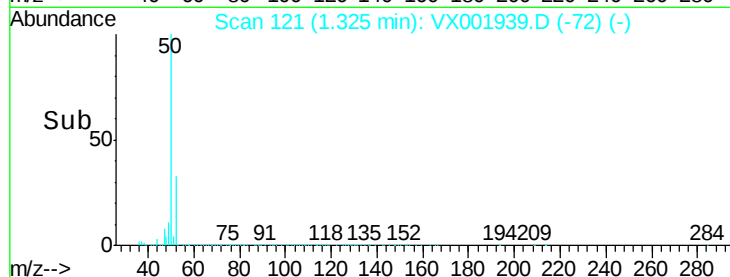
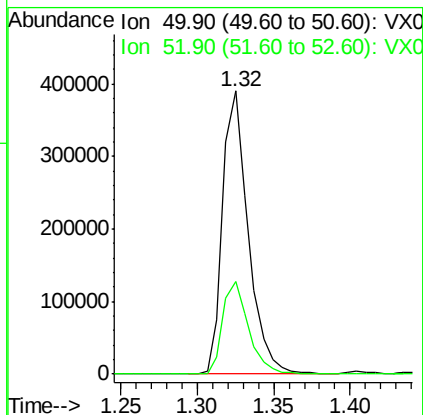
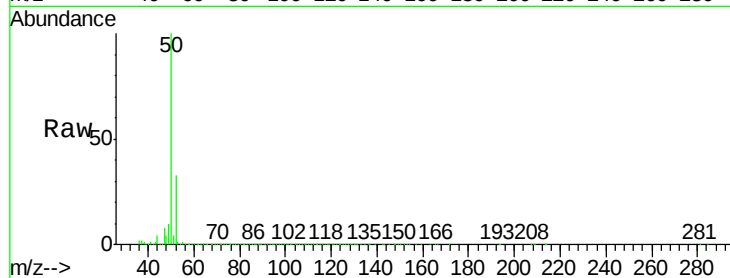
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 98.26 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001939.D

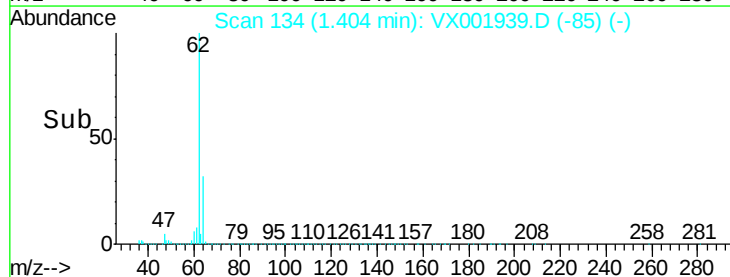
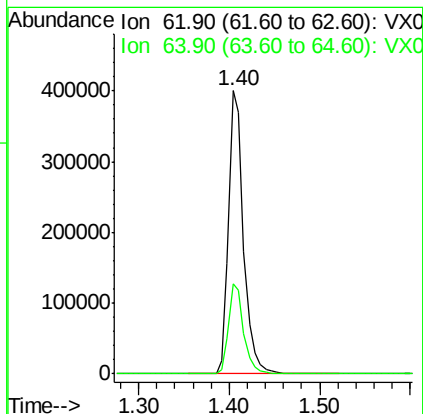
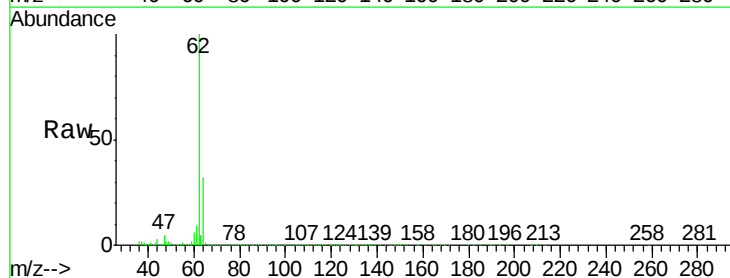
Acq: 24 May 2018 12:13

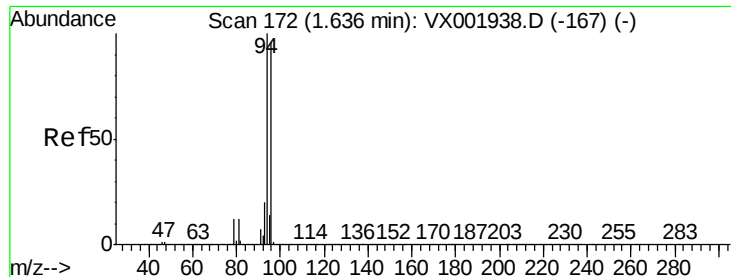
Tgt Ion: 62 Resp: 457374

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 93.64 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 209988

Ion Ratio Lower Upper

94 100

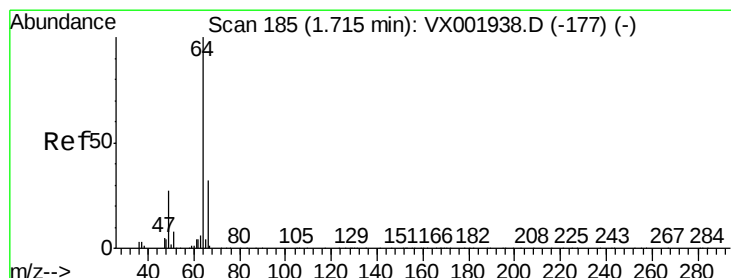
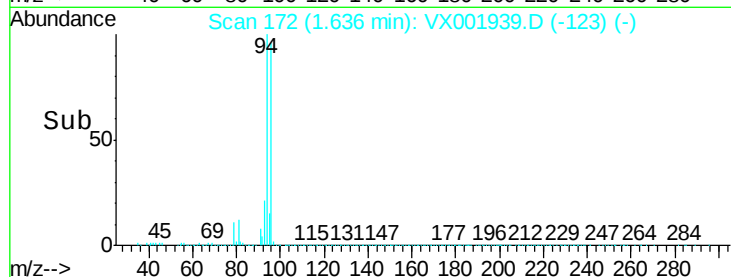
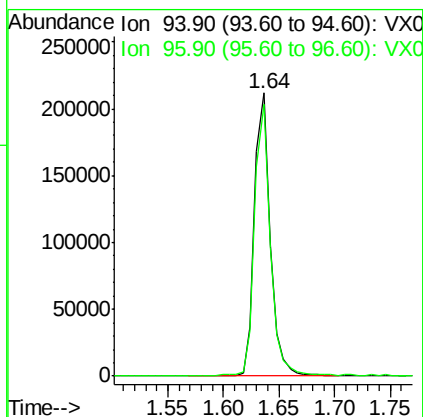
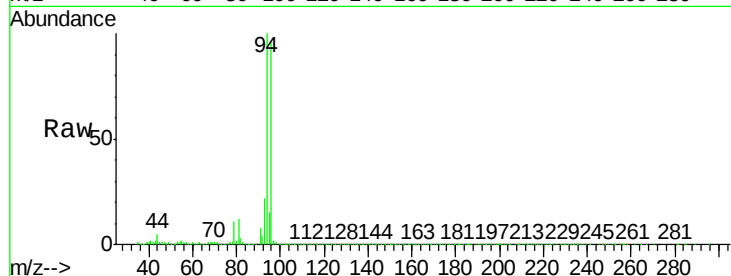
96 95.9 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 94.37 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX001939.D

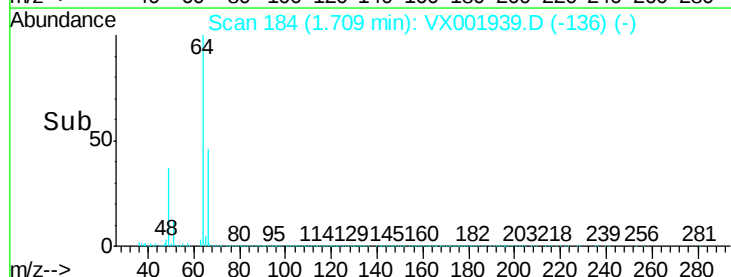
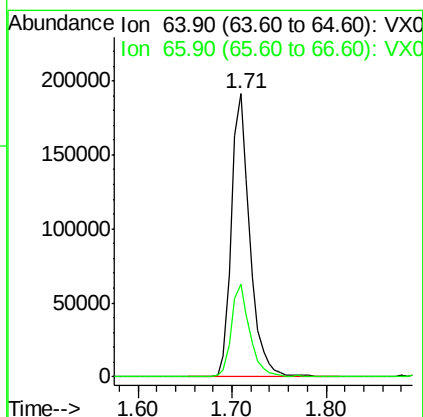
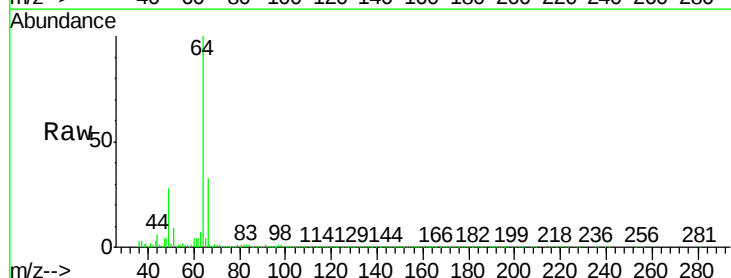
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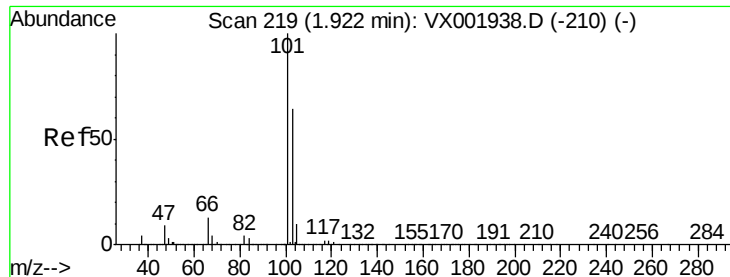
Tgt Ion: 64 Resp: 259133

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4





#7

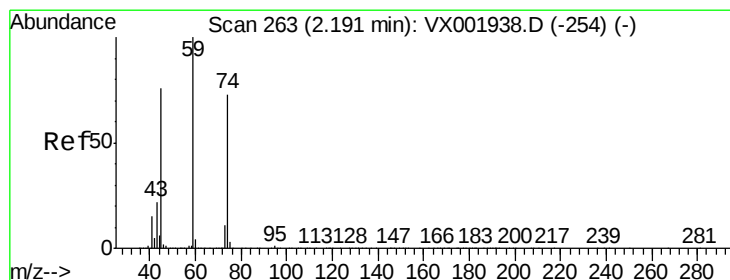
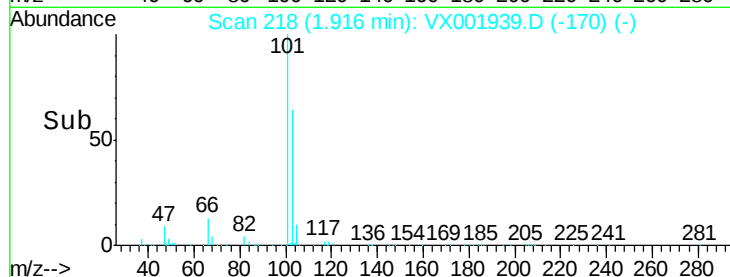
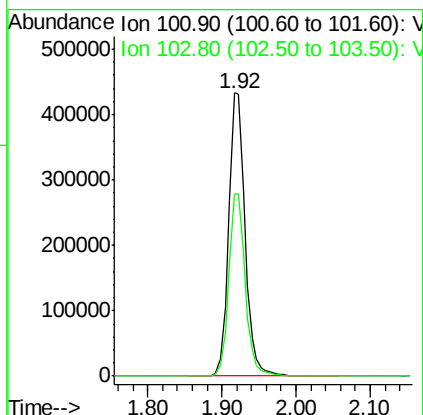
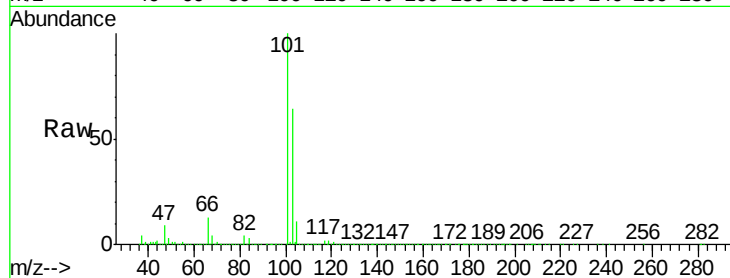
Trichlorofluoromethane
Concen: 94.79 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.0

Manual Integrations
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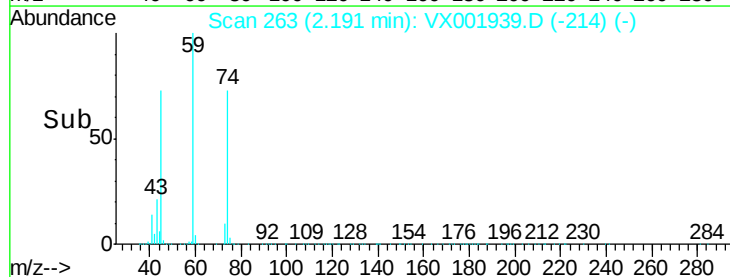
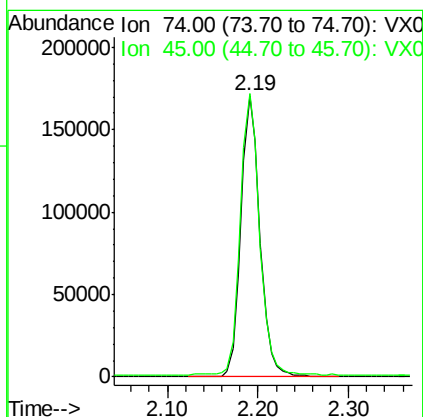
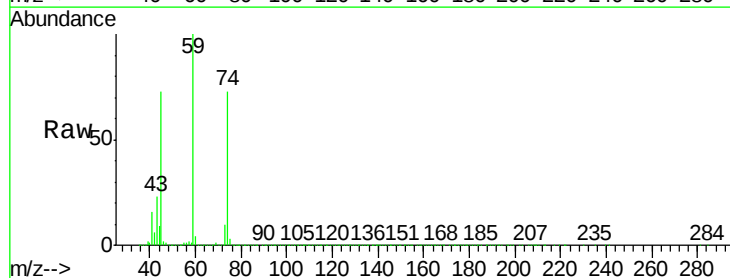
MMDadoda
5/25/2018 2:25:52 PM

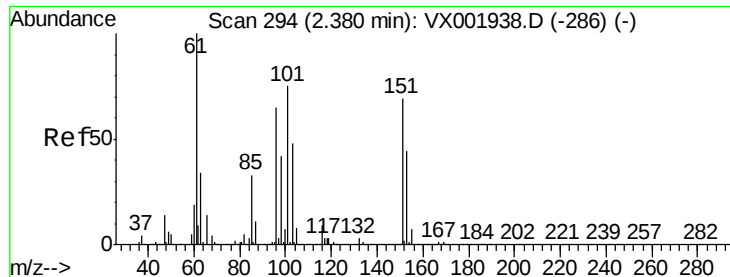


#8

Diethyl Ether
Concen: 95.87 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.52 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

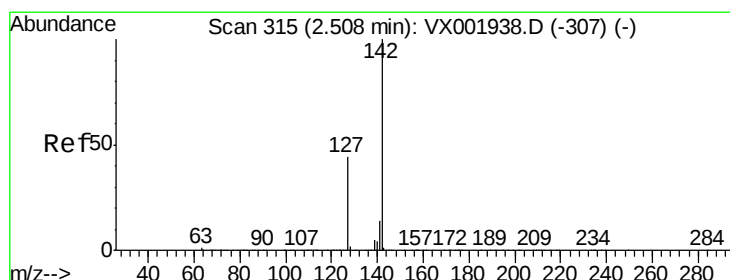
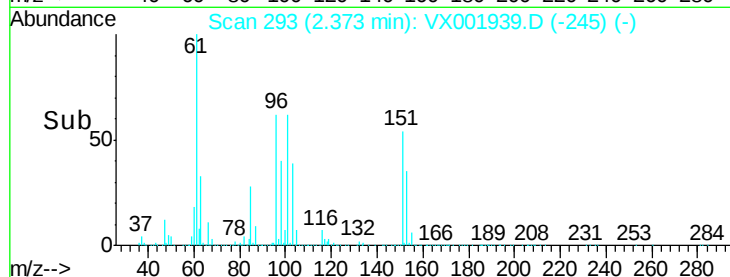
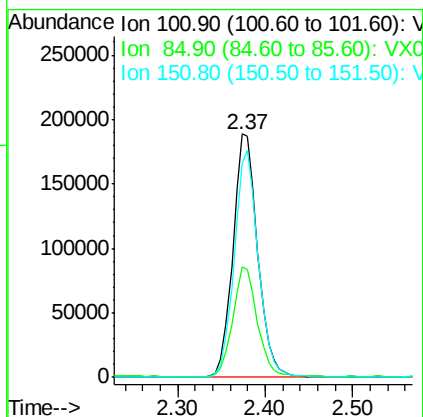
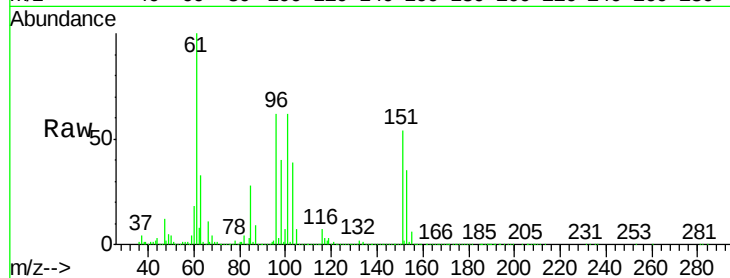
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	372303
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.6	53.4
151	90.8	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 98.03 ug/l

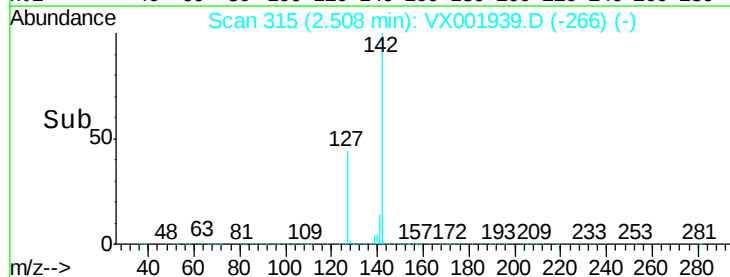
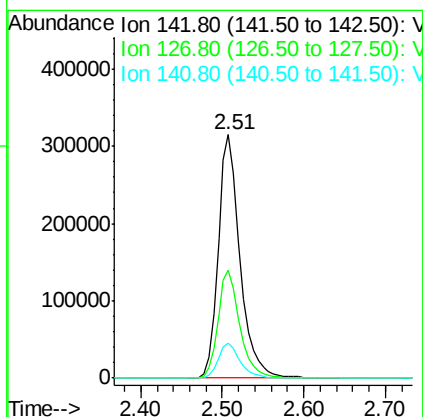
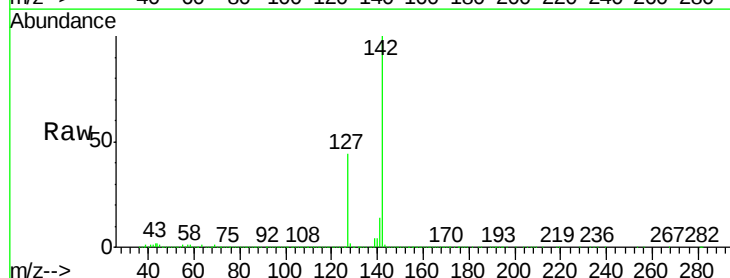
RT: 2.51 min Scan# 315

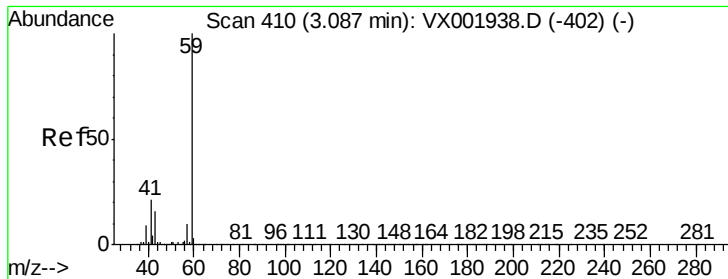
Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tgt Ion:	142	Resp:	583047
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.5	53.3
141	14.4	11.3	16.9





#11

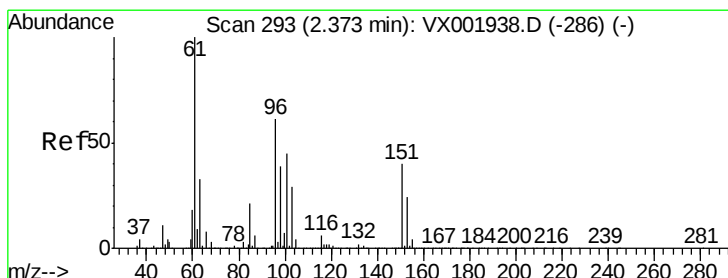
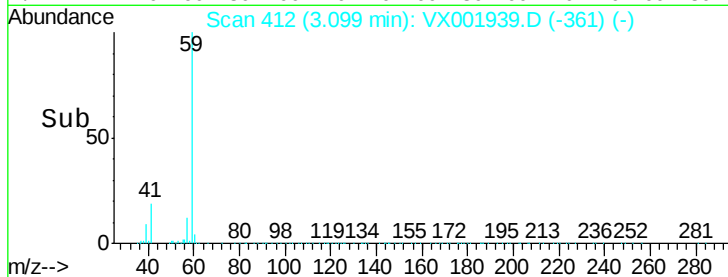
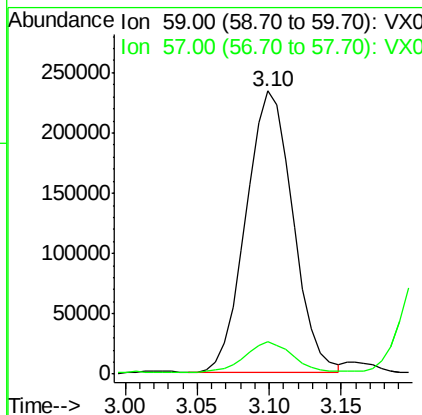
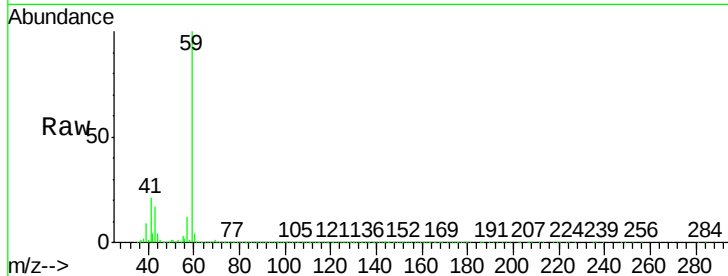
Tert butyl alcohol
Concen: 466.79 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

Manual Integrations
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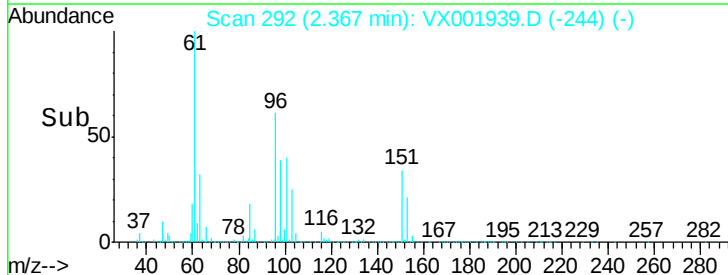
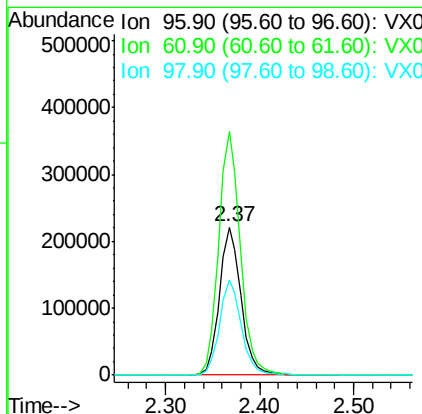
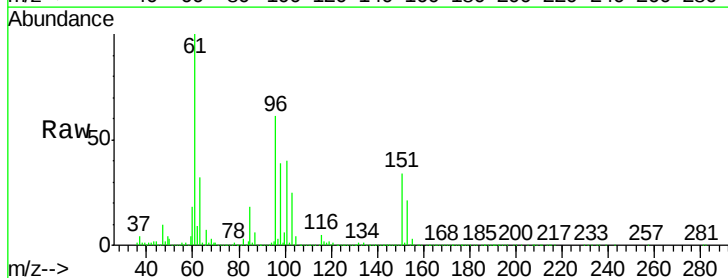
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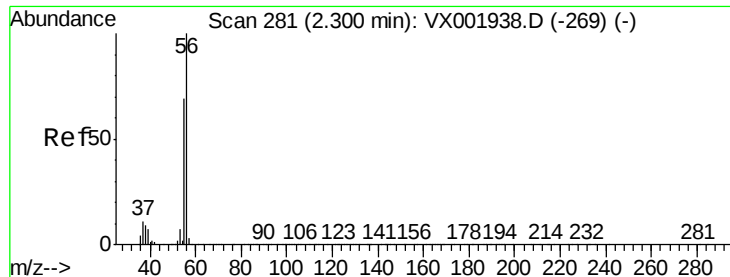


#12

1,1-Dichloroethene
Concen: 97.12 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	131.7	197.5
98	64.1	51.6	77.4





#13

Acrolein

Concen: 514.42 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 230711

Ion Ratio Lower Upper

56 100

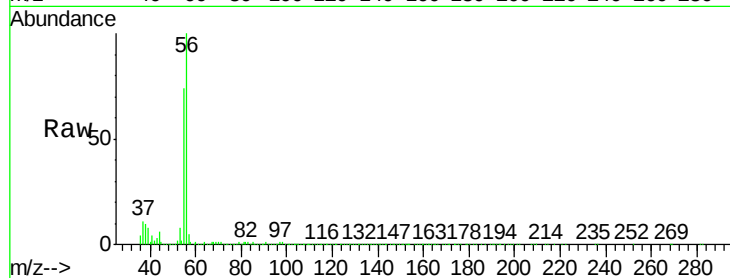
55 71.8 56.8 85.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150000

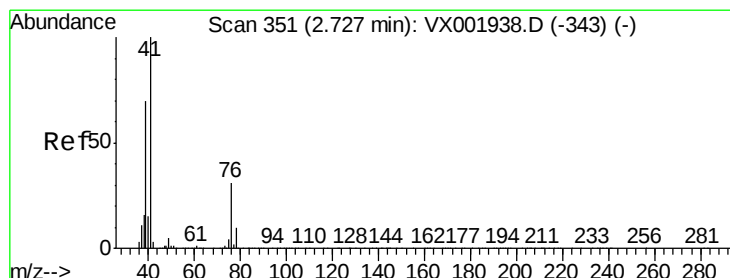
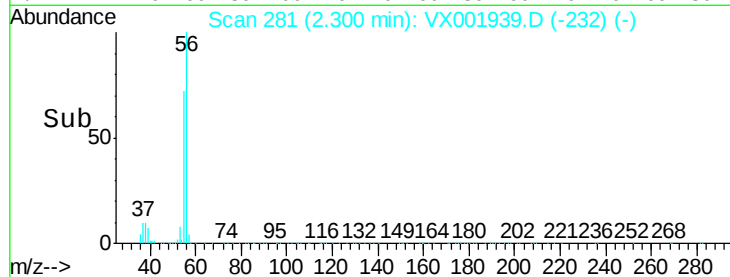
100000

50000

0

2.20 2.30 2.40

Time-->



#14

Allyl chloride

Concen: 95.55 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

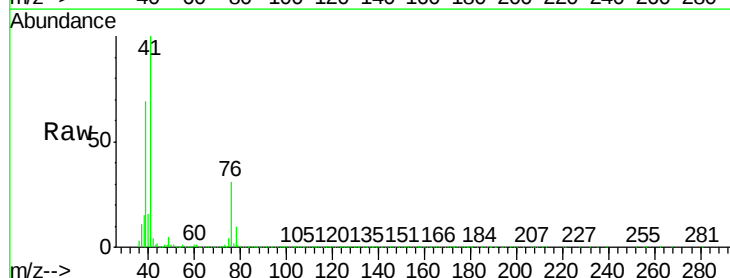
Tgt Ion: 41 Resp: 739897

Ion Ratio Lower Upper

41 100

39 67.4 54.3 81.5

76 30.3 24.2 36.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

500000

400000

300000

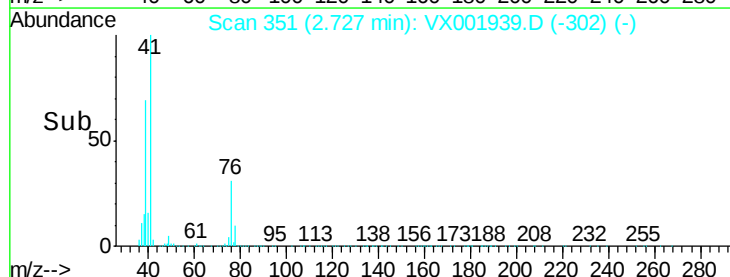
200000

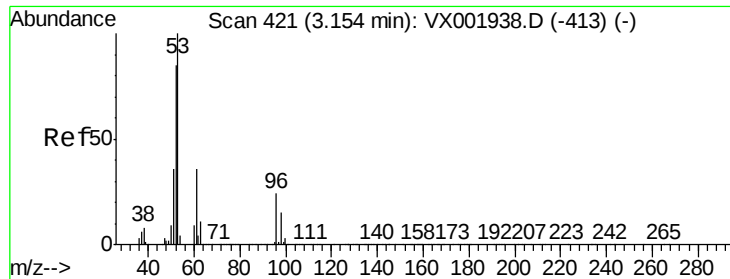
100000

0

2.70 2.80

Time-->





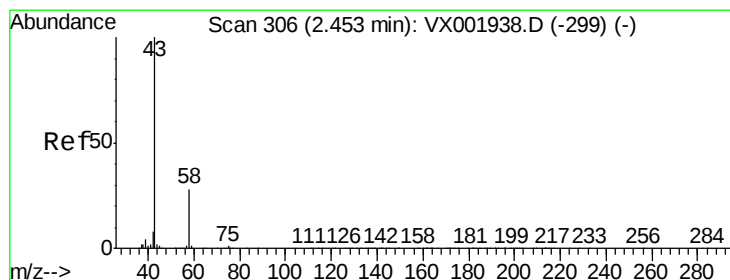
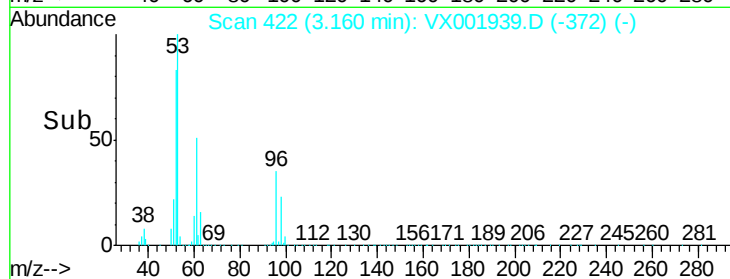
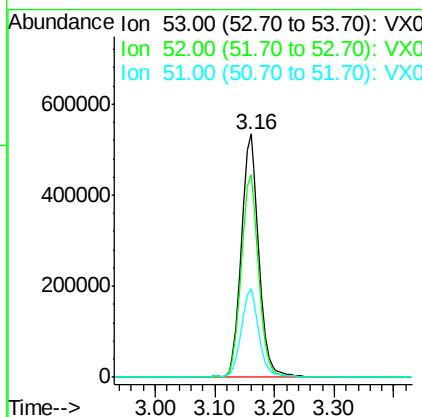
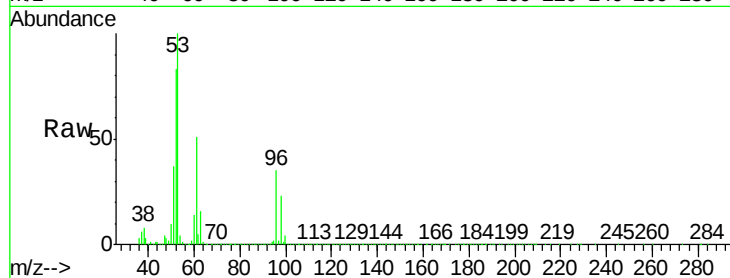
#15
 Acrylonitrile
 Concen: 468.97 ug/l
 RT: 3.16 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	37.2	29.3	43.9

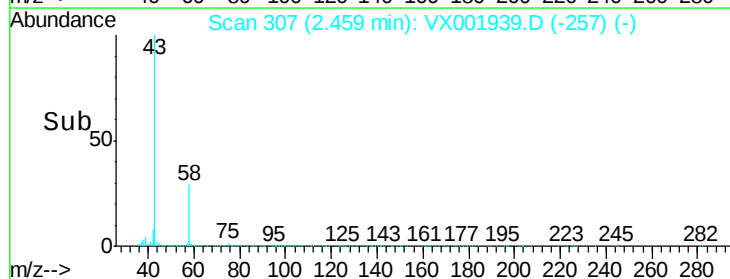
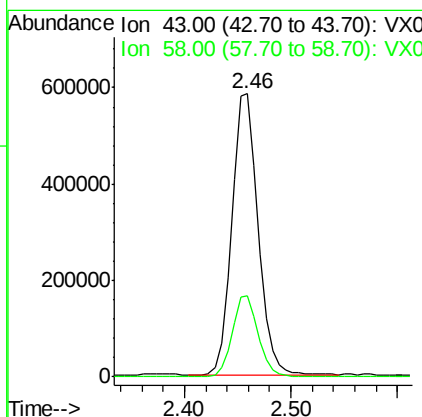
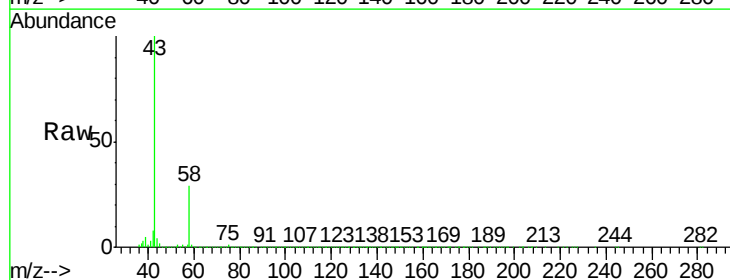
Manual Integrations
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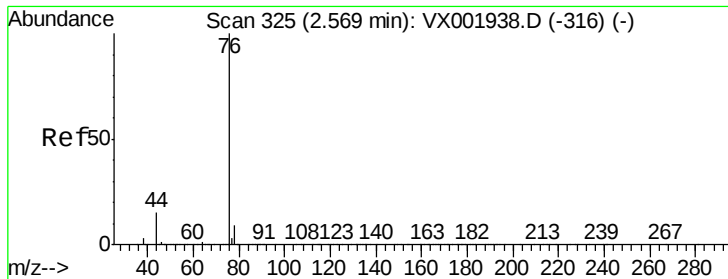
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#16
 Acetone
 Concen: 462.31 ug/l
 RT: 2.46 min Scan# 307
 Delta R.T. 0.01 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.3	33.5





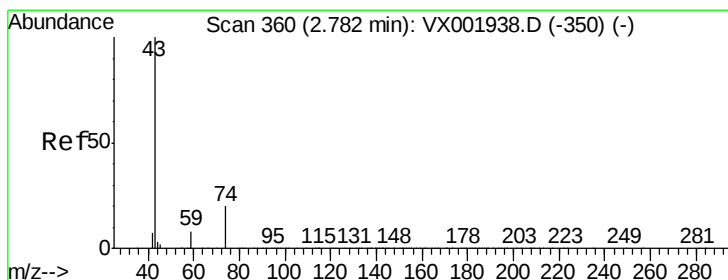
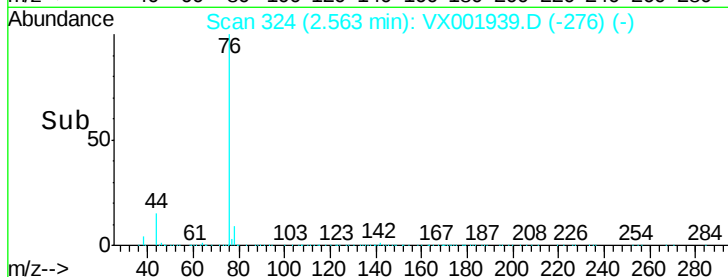
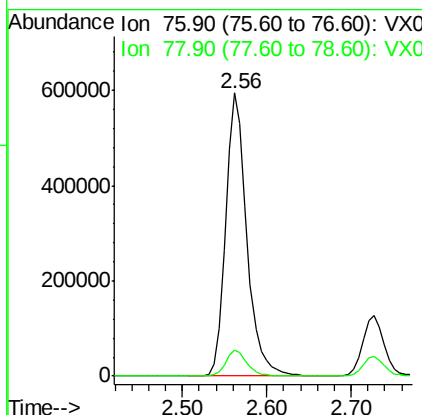
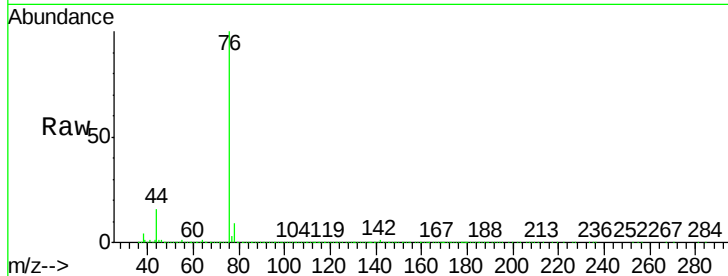
#17
Carbon Disulfide
Concen: 97.20 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1022347
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

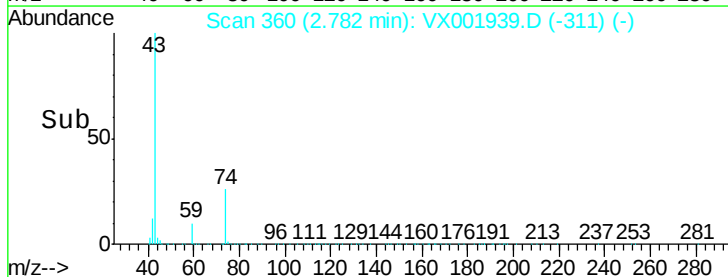
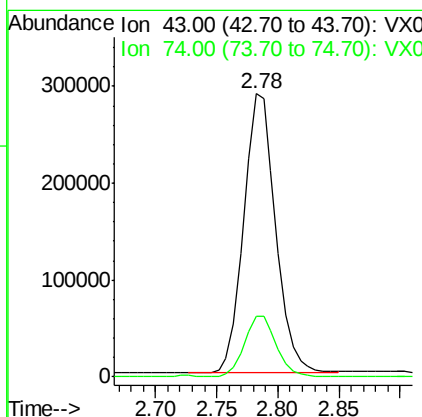
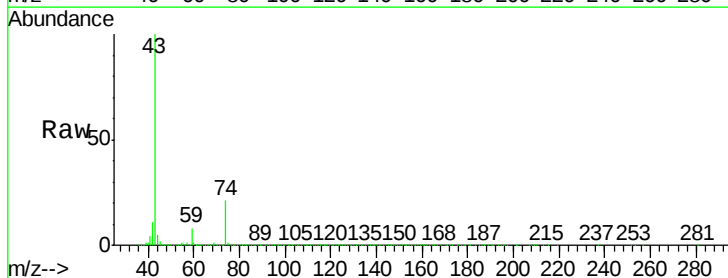
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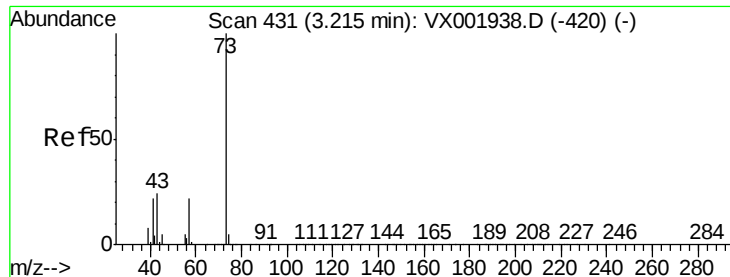
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#18
Methyl Acetate
Concen: 93.48 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion: 43 Resp: 524366
Ion Ratio Lower Upper
43 100
74 21.6 16.8 25.2





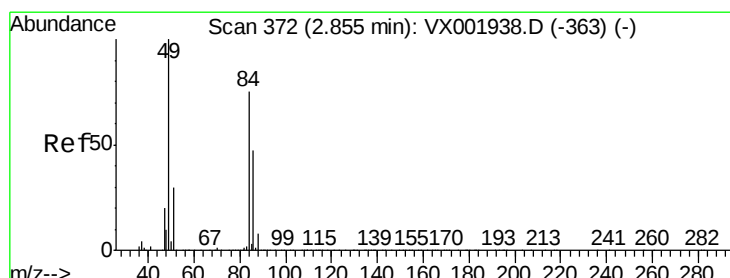
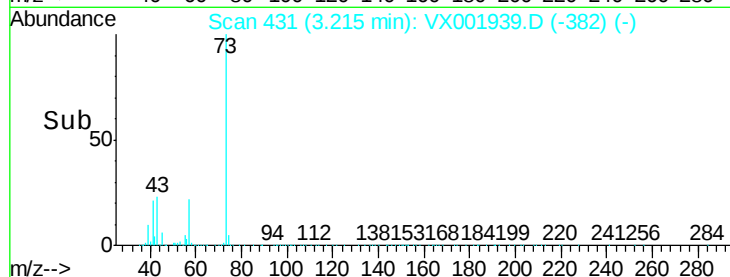
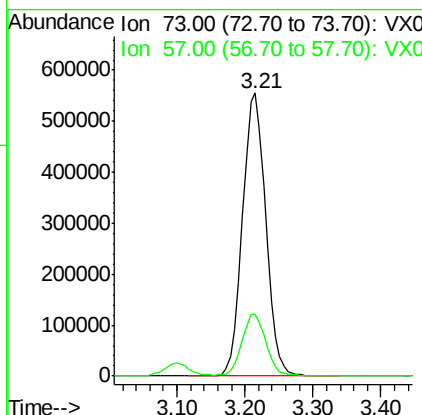
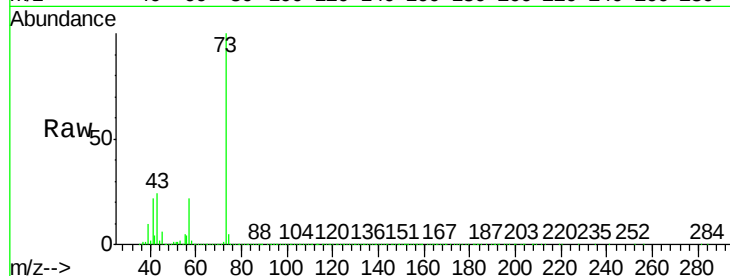
#19
Methvl tert-butvl Ether
Concen: 94.74 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 1313750
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.0

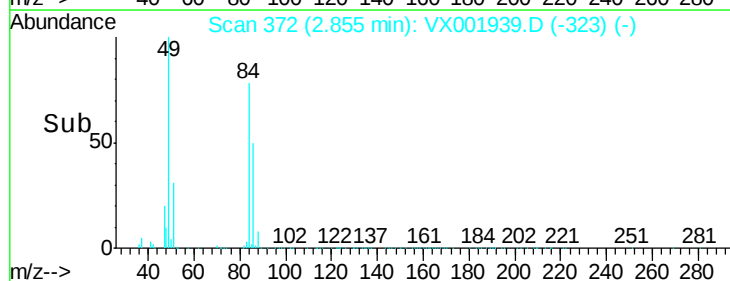
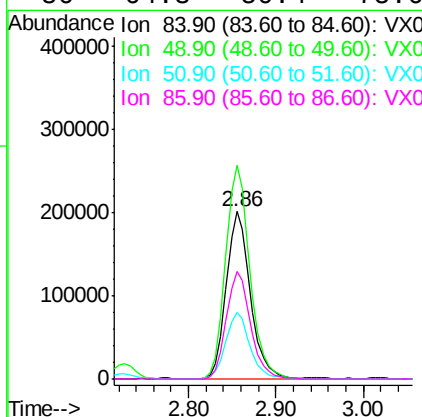
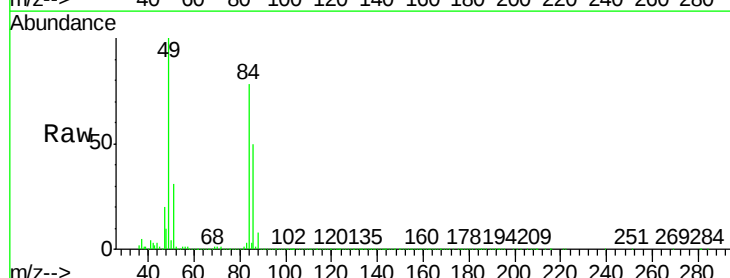
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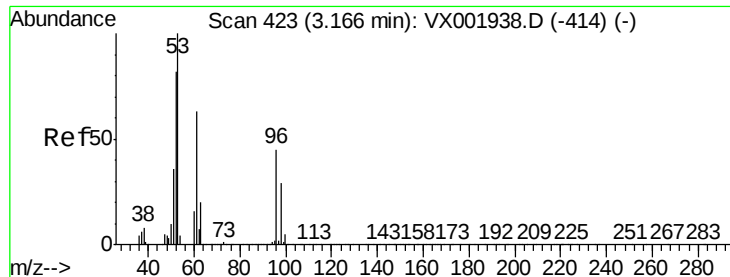
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#20
Methylene Chloride
Concen: 95.15 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion: 84 Resp: 383311
Ion Ratio Lower Upper
84 100
49 127.8 107.2 160.8
51 39.3 32.4 48.6
86 64.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 94.54 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

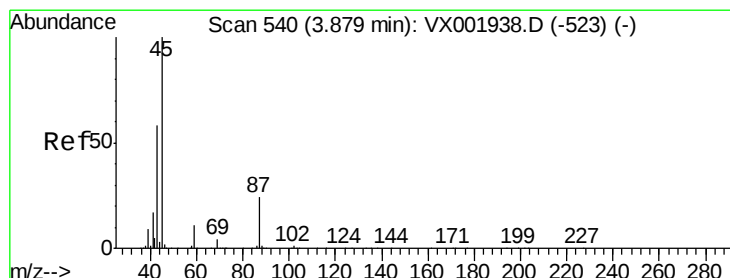
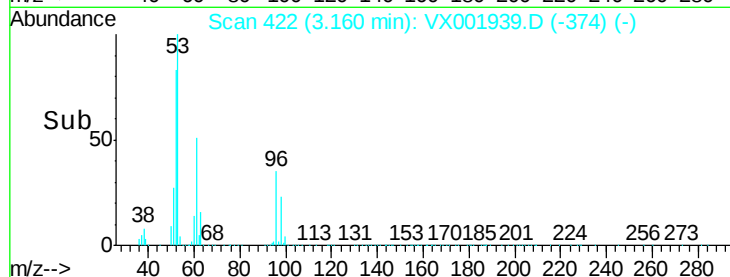
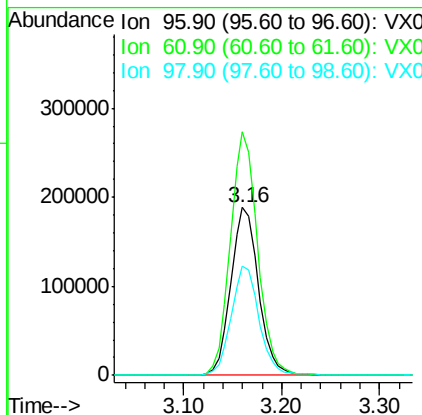
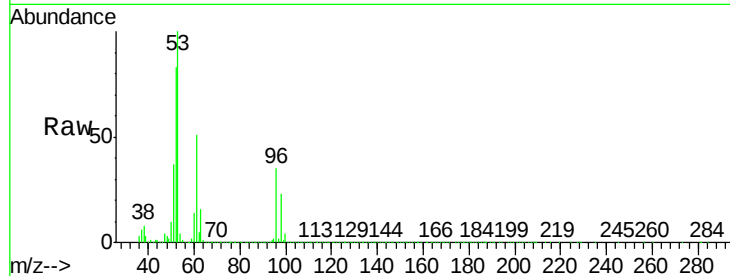
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	365754
Ion	Ratio	Lower	Upper
96	100		
61	145.5	113.3	169.9
98	65.2	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 92.58 ug/l

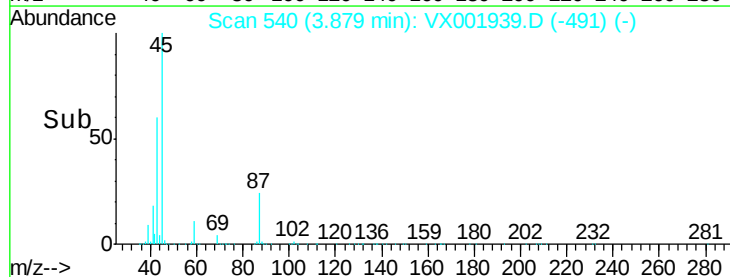
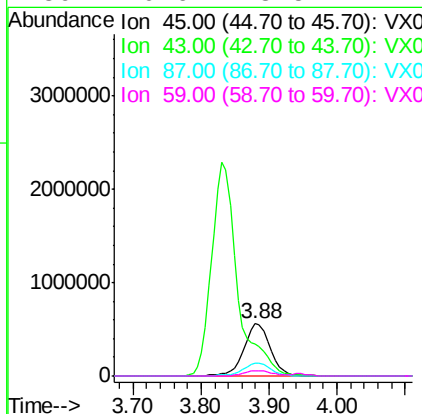
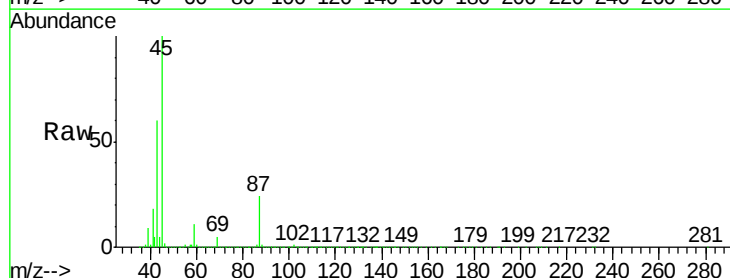
RT: 3.88 min Scan# 540

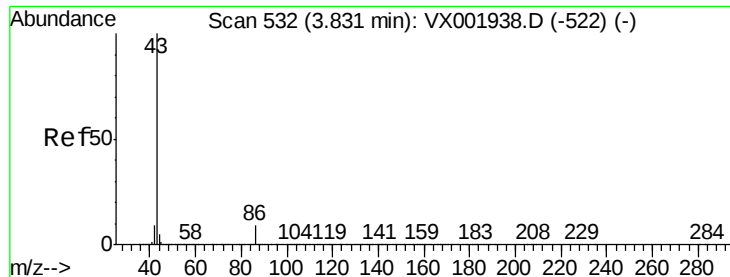
Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tgt Ion:	45	Resp:	1504108
Ion	Ratio	Lower	Upper
45	100		
43	59.5	47.0	70.6
87	24.4	19.4	29.0
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 458.41 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 6055903

Ion Ratio Lower Upper

43 100

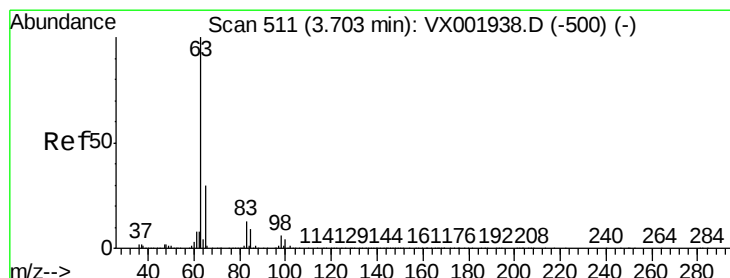
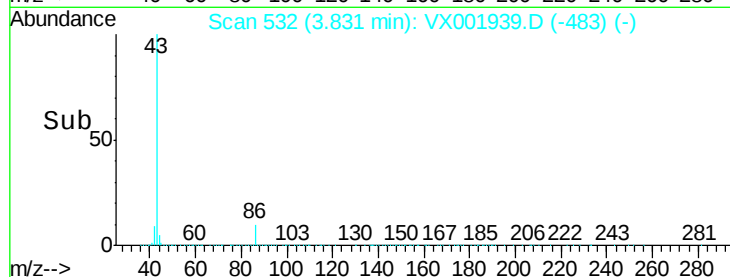
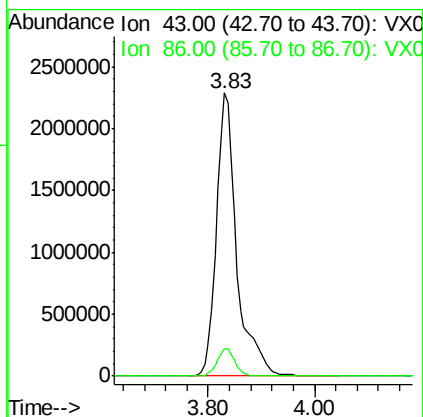
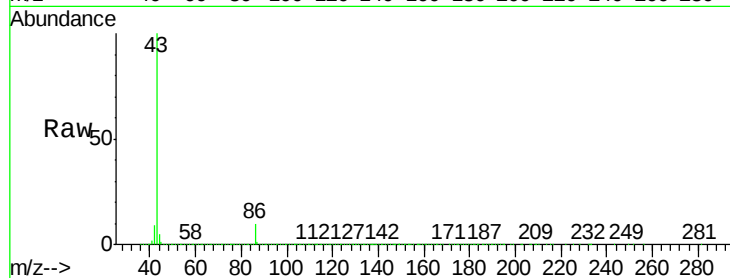
86 9.7 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 95.95 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

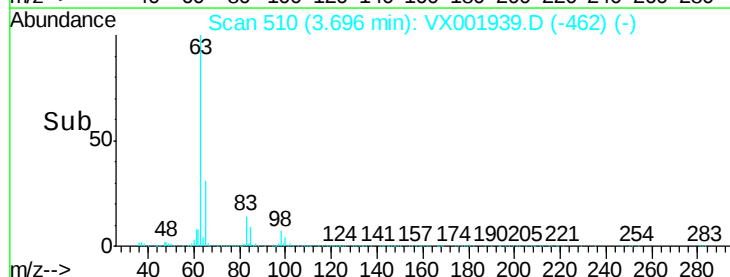
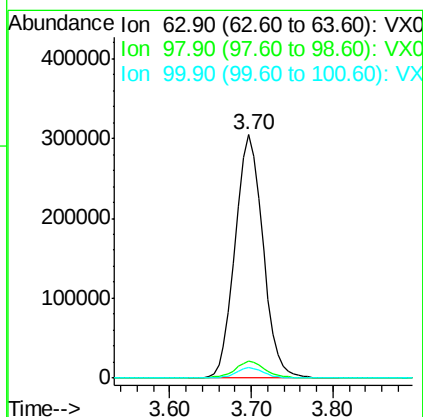
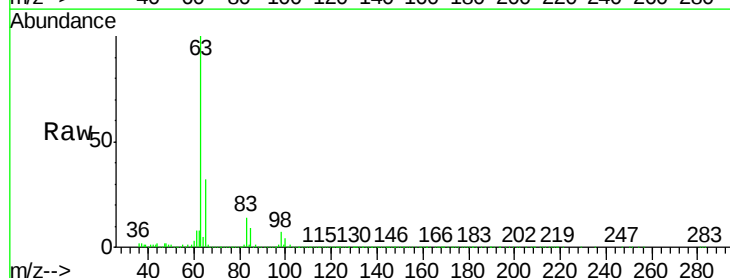
Tgt Ion: 63 Resp: 718247

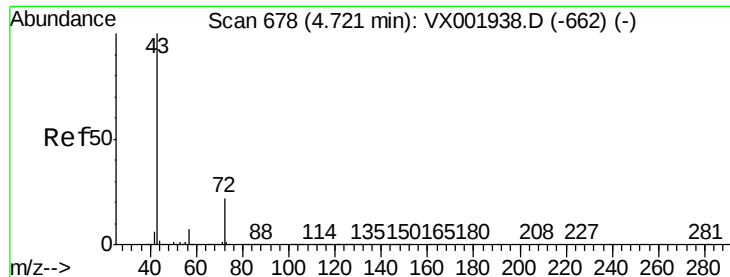
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 463.73 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1899155

Ion Ratio Lower Upper

43 100

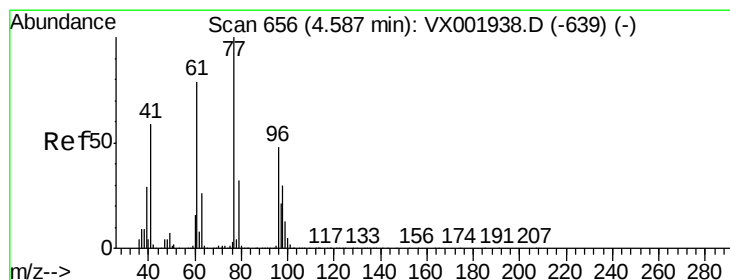
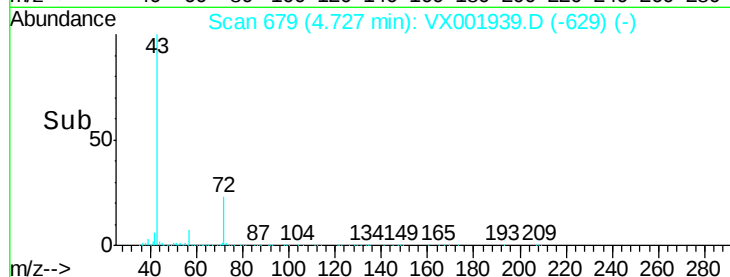
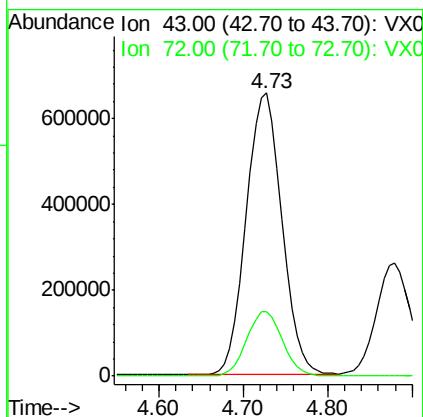
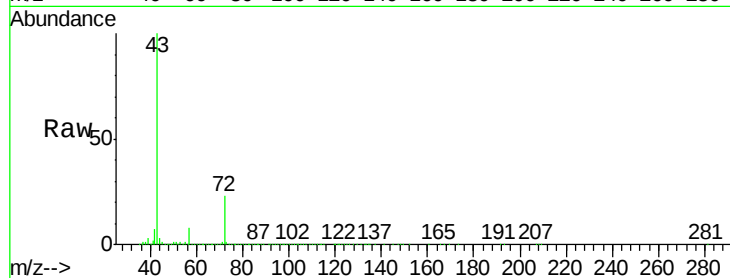
72 22.6 17.9 26.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 94.49 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001939.D

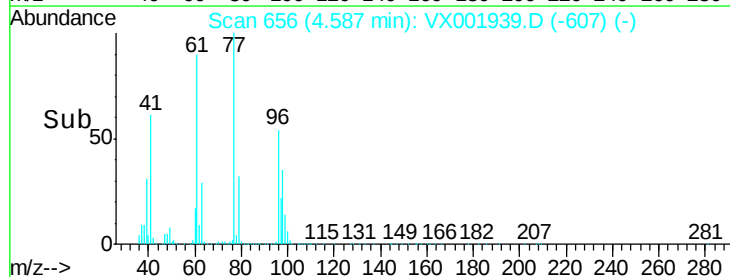
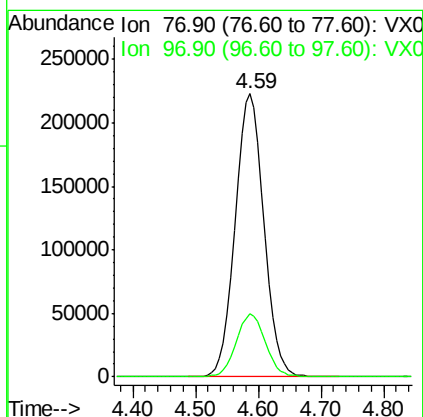
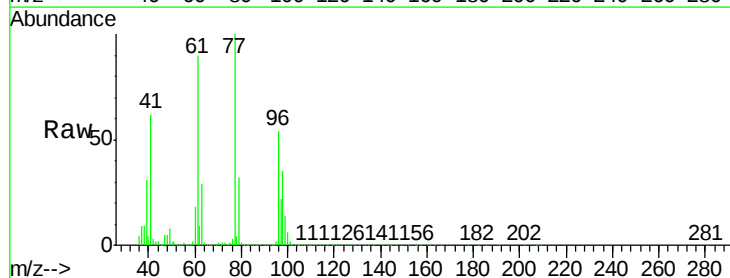
Acq: 24 May 2018 12:13

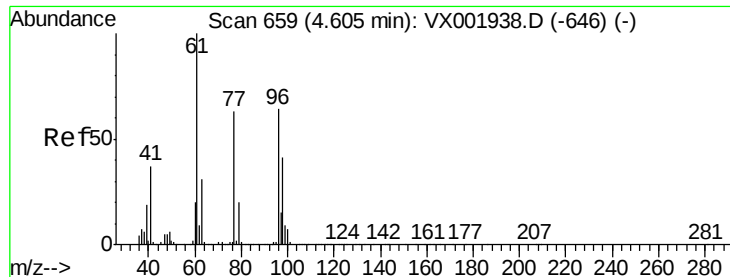
Tgt Ion: 77 Resp: 701385

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

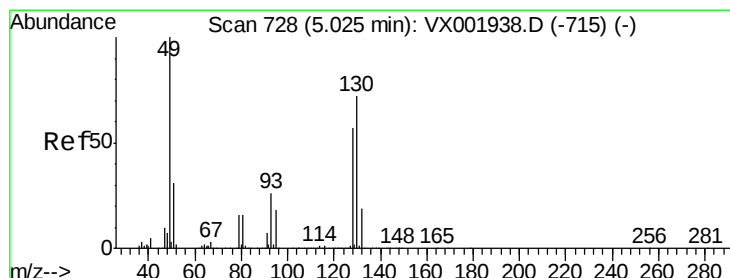
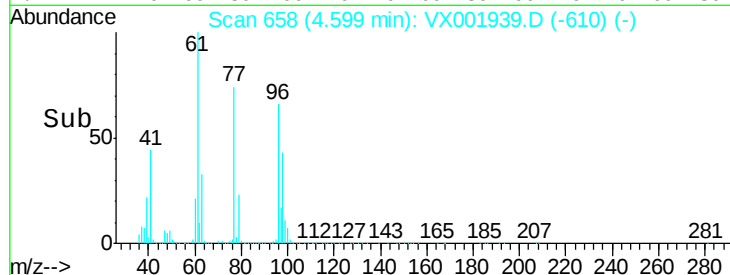
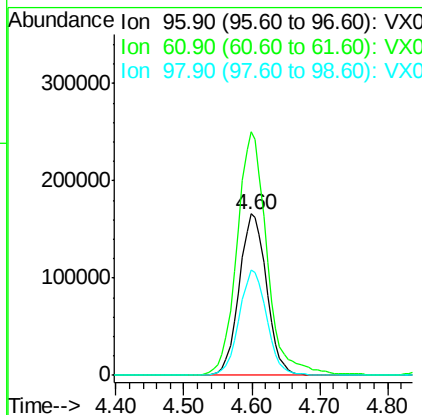
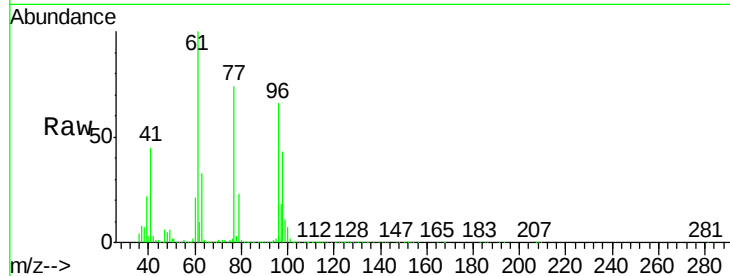
cis-1,2-Dichloroethene
 Concen: 96.45 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	463634		
61	165.7	0.0	348.4	
98	64.7	0.0	128.6	

Manual Integrations
 APPROVED

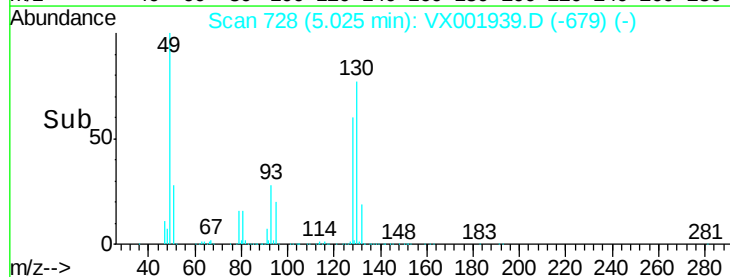
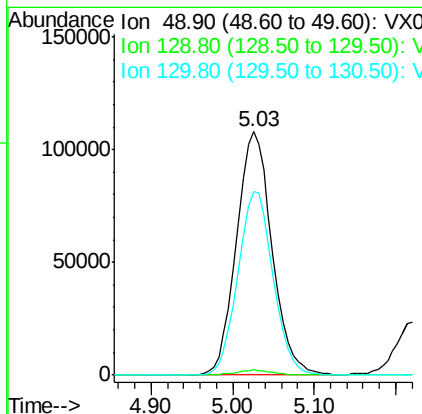
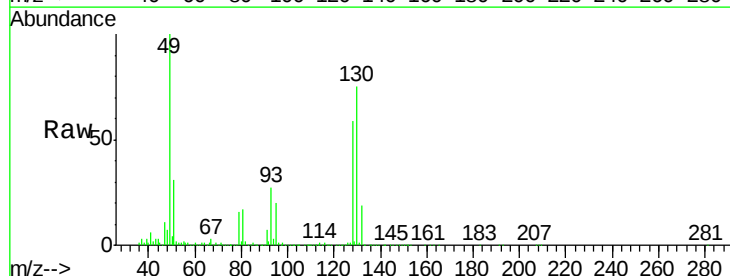
MMDadoda
 5/25/2018 2:25:52 PM

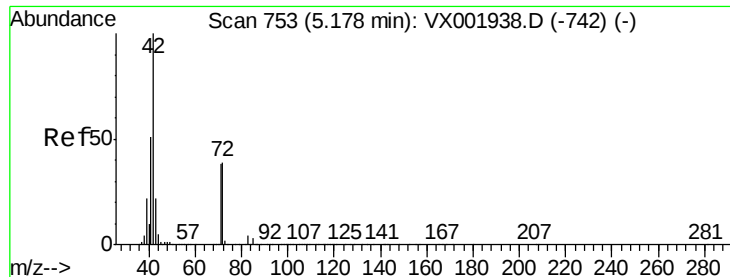


#28

Bromochloromethane
 Concen: 95.45 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	325460		
129	2.0	0.0	3.8	
130	75.1	59.4	89.2	





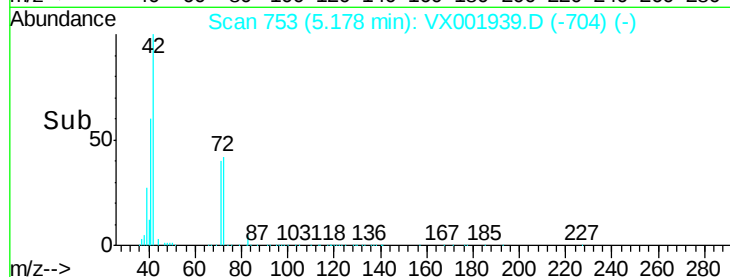
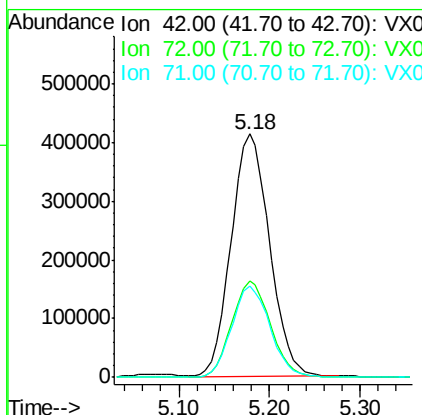
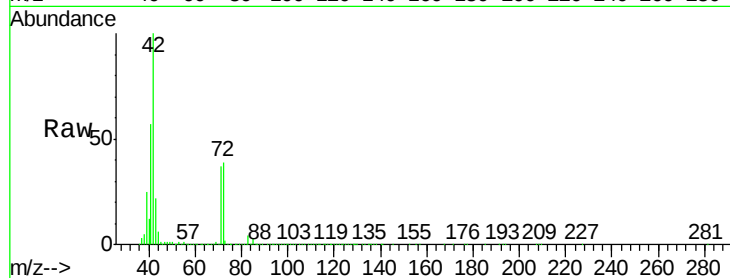
#29
Tetrahydrofuran
Concen: 458.87 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.4	47.0
71	37.4	29.5	44.3

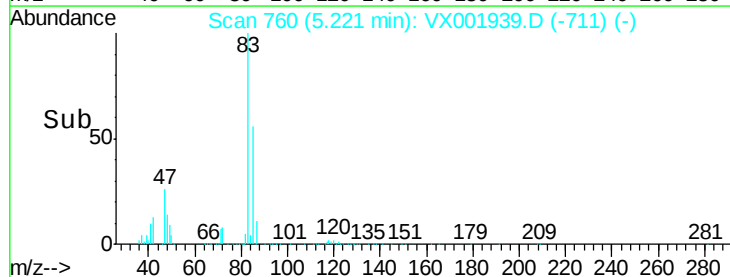
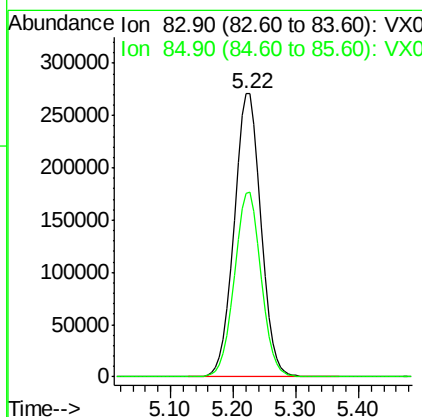
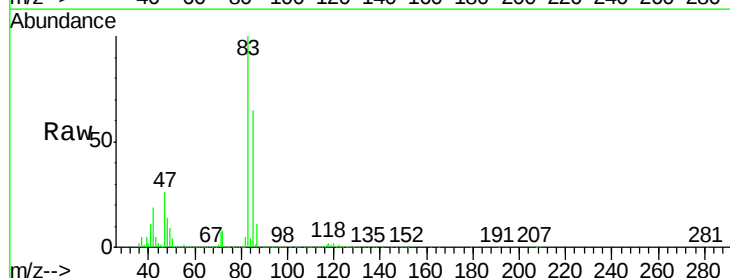
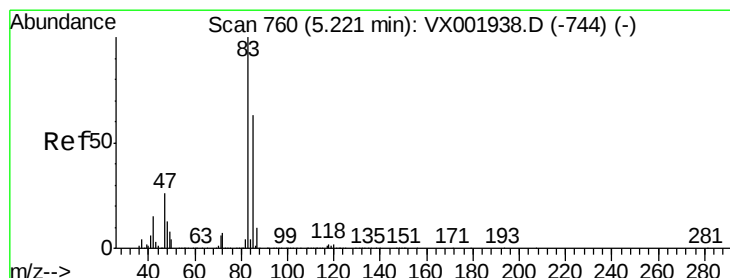
Manual Integrations
APPROVED

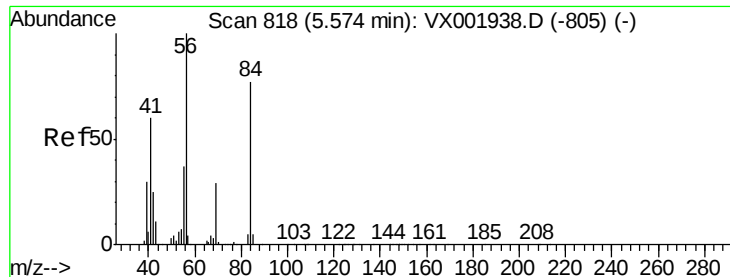
MMDadoda
5/25/2018 2:25:52 PM



#30
Chloroform
Concen: 96.38 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.9	76.3





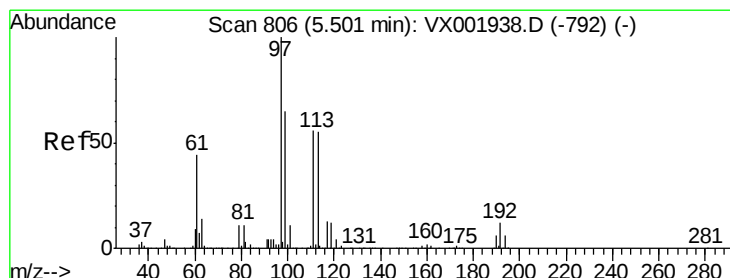
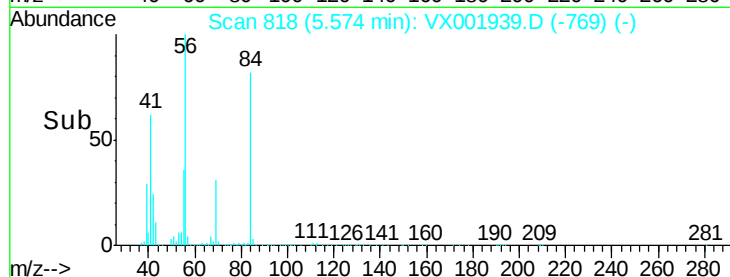
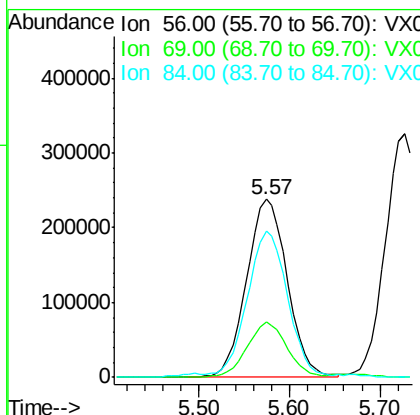
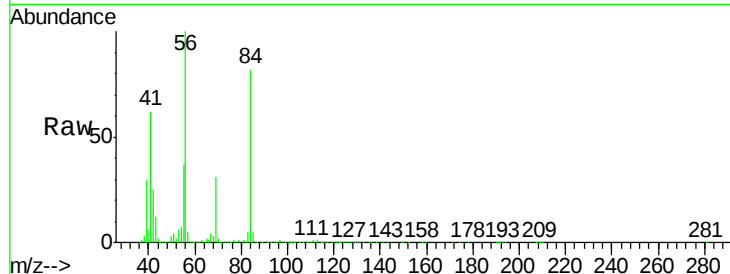
#31
Cyclohexane
Concen: 95.89 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.1	34.7
84	80.9	62.0	93.0

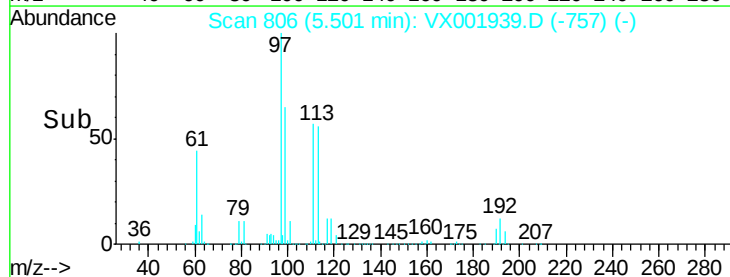
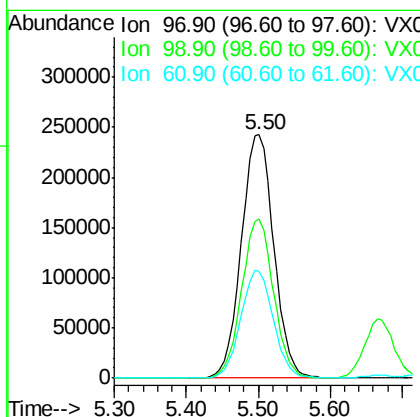
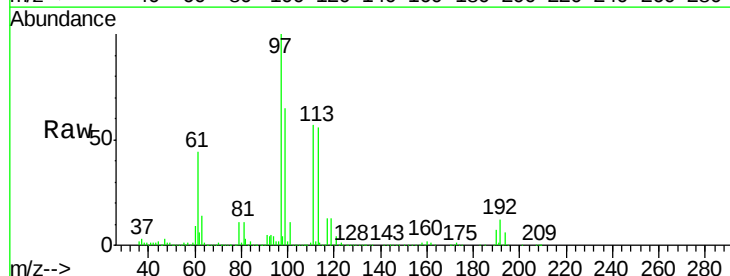
Manual Integrations
APPROVED

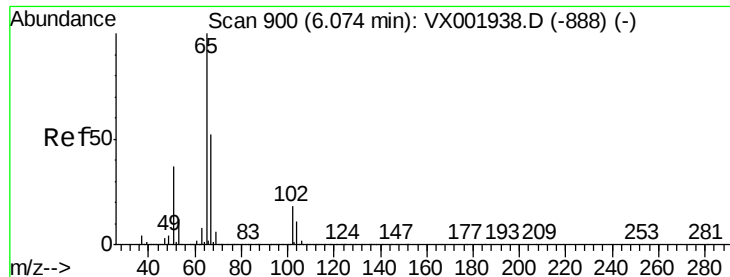
MMDadoda
5/25/2018 2:25:52 PM



#32
1,1,1-Trichloroethane
Concen: 96.32 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	44.3	35.9	53.9





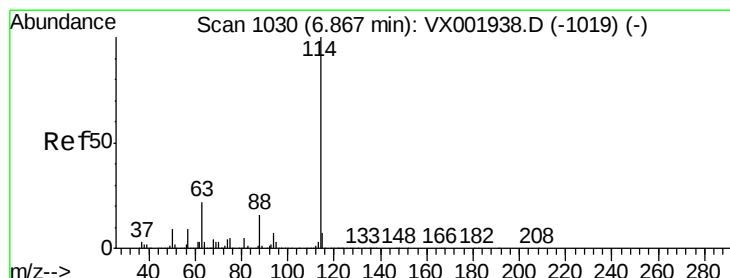
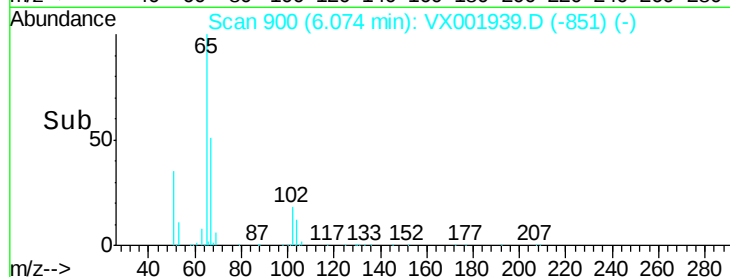
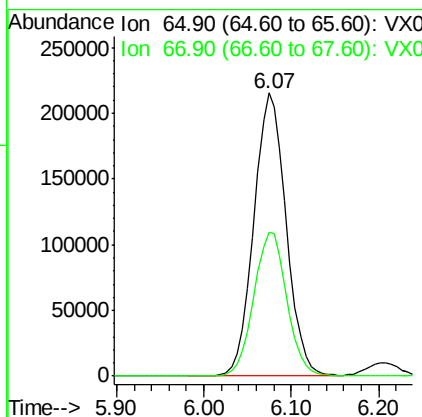
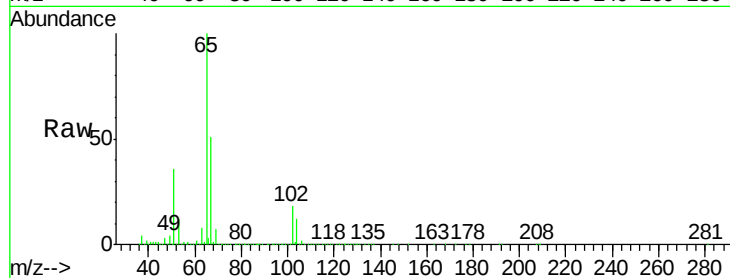
#33
 1,2-Dichloroethane-d4
 Concen: 96.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	552802		
67	51.6	0.0	104.0	

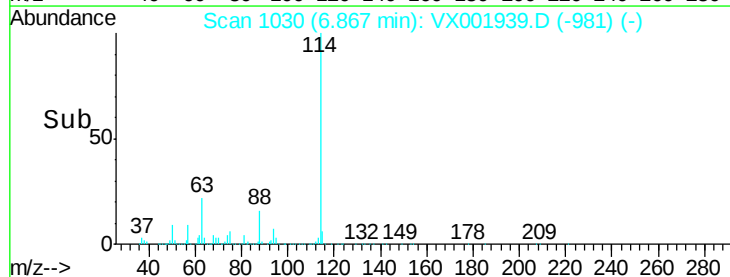
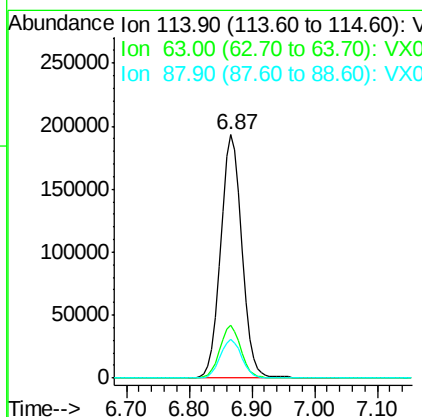
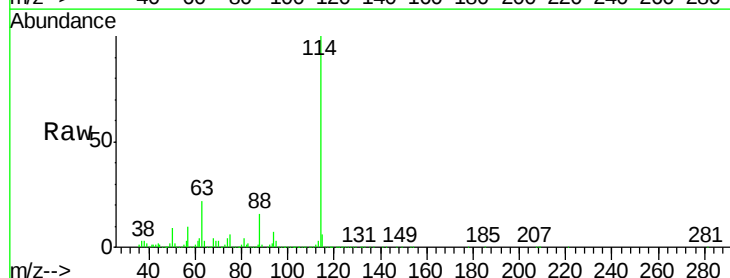
Manual Integrations
 APPROVED

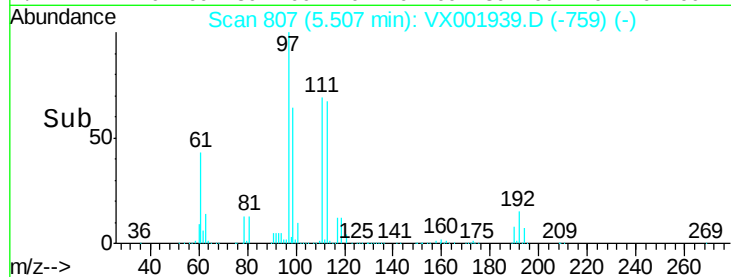
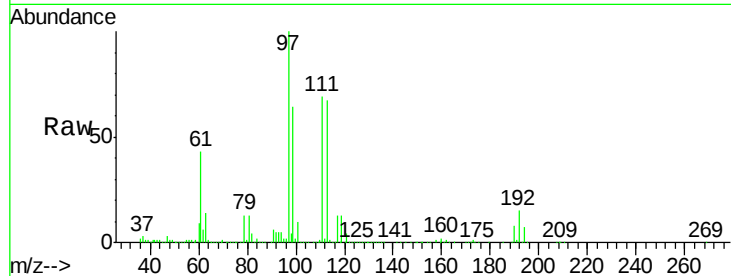
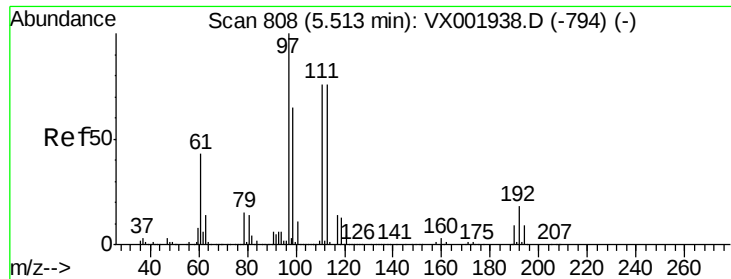
MMDadoda
 5/25/2018 2:25:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	451849		
63	21.6	0.0	43.2	
88	16.0	0.0	31.6	





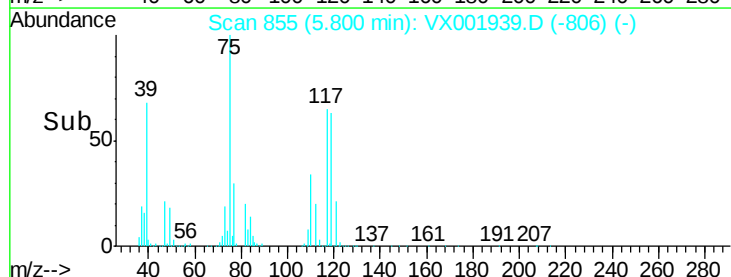
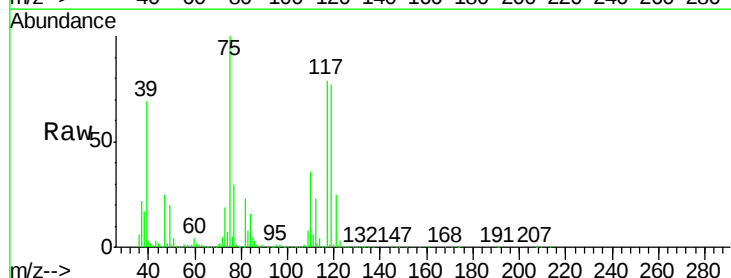
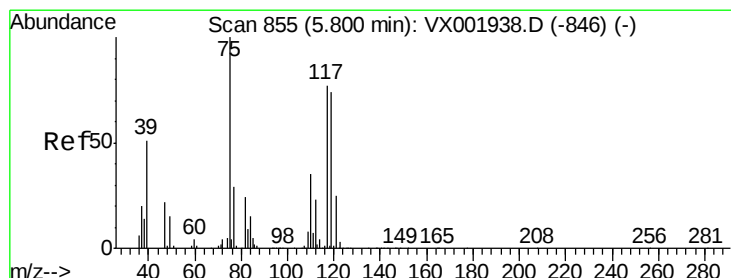
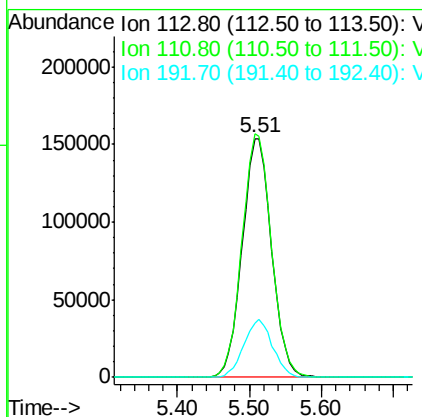
#35
Dibromofluoromethane
Concen: 98.71 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tot Ion	Ratio	Resp	Lower	Upper
113	100	434703		
111	102.0	82.0	123.0	
192	23.7	18.9	28.3	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

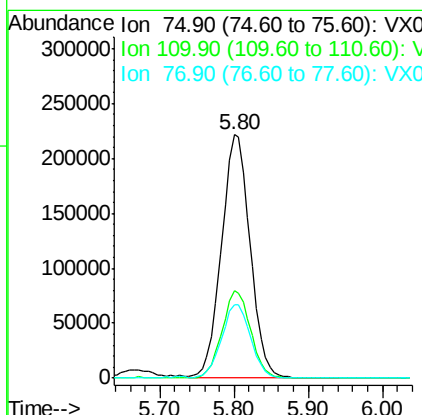
Manual Integrations
APPROVED

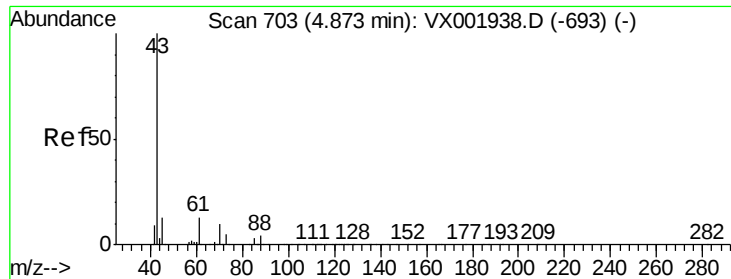
MMDadoda
5/25/2018 2:25:52 PM



#36
1,1-Dichloropropene
Concen: 98.18 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	591750		
110	35.8	17.4	52.2	
77	30.4	24.4	36.6	





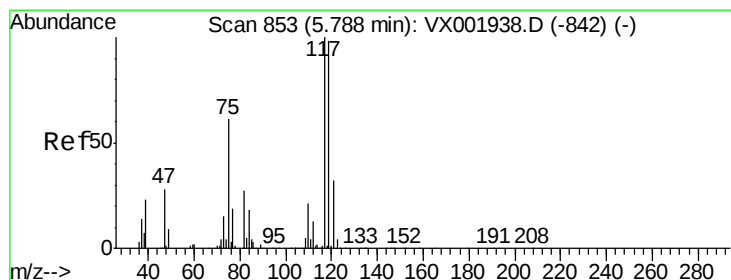
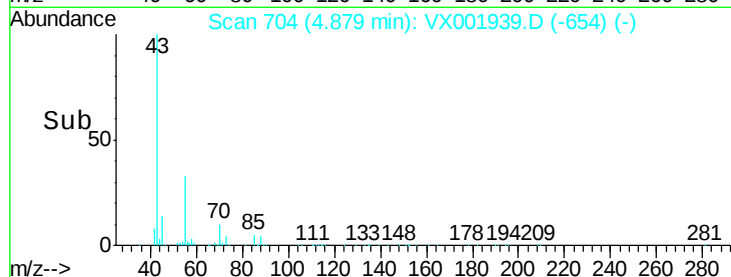
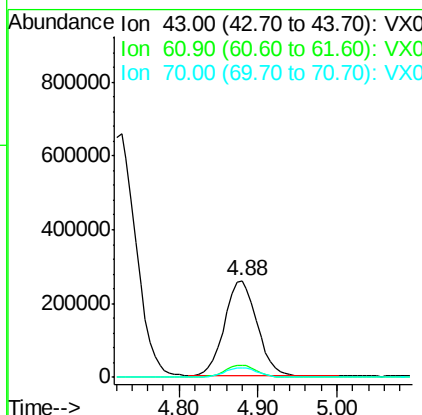
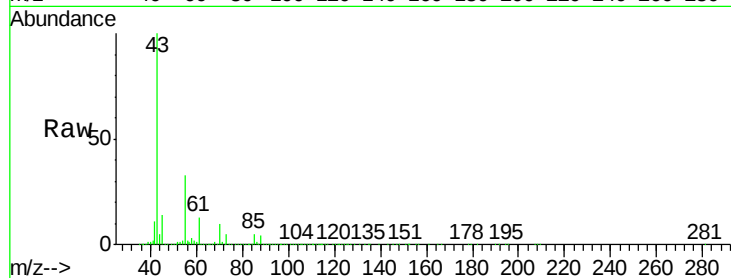
#37
Ethyl Acetate
Concen: 94.04 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	9.8	7.8	11.8

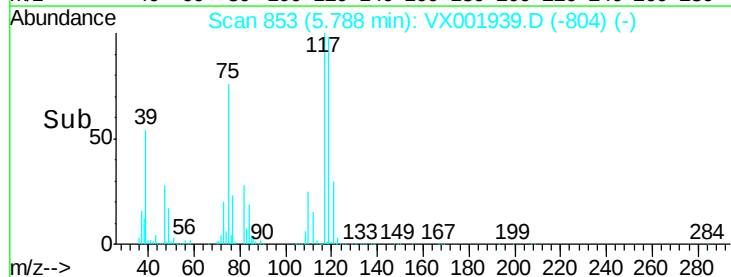
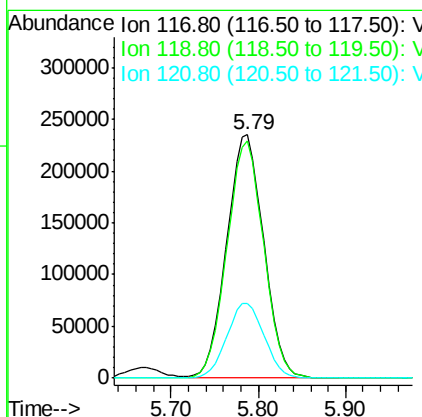
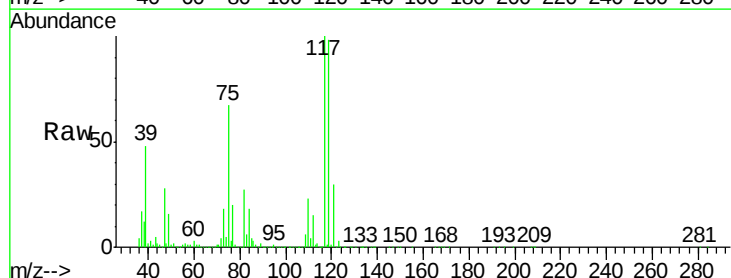
Manual Integrations
APPROVED

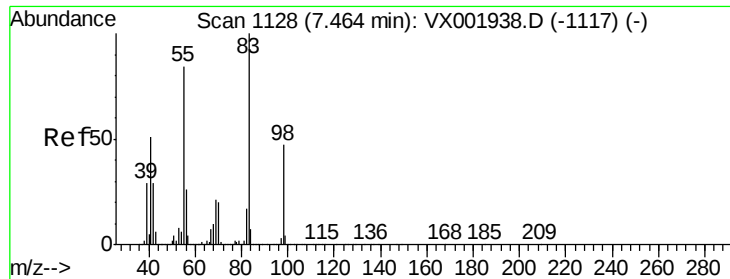
MMDadoda
5/25/2018 2:25:52 PM



#38
Carbon Tetrachloride
Concen: 98.16 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.5	117.7
121	30.4	25.5	38.3





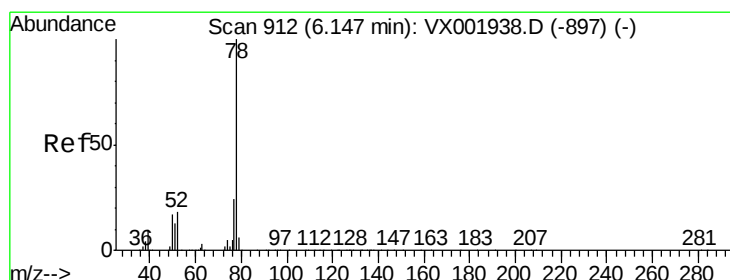
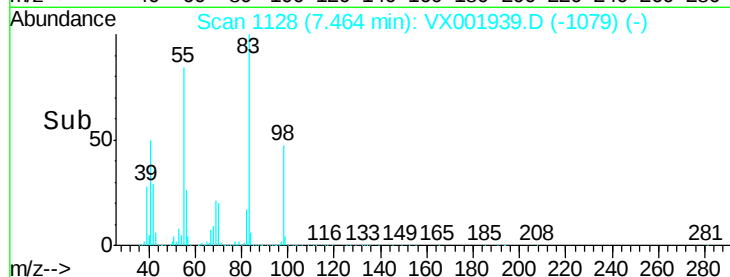
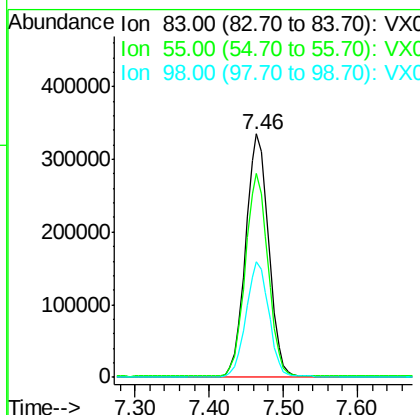
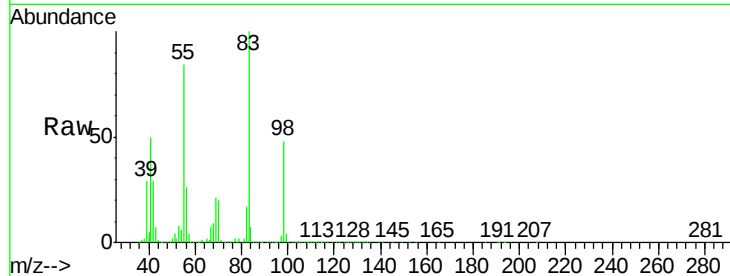
#39
Methvlcvclohexane
Concen: 98.88 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	67.3	100.9
98	47.4	37.5	56.3

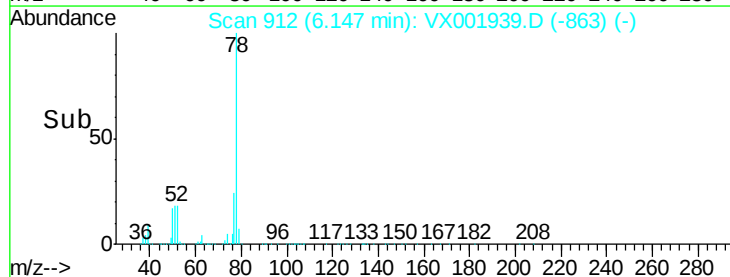
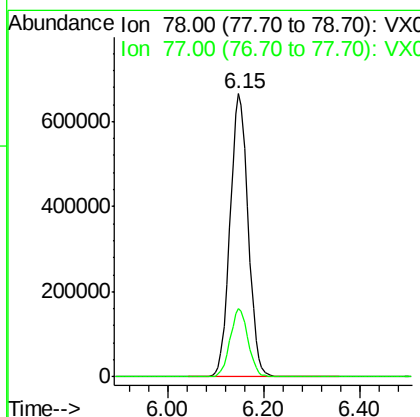
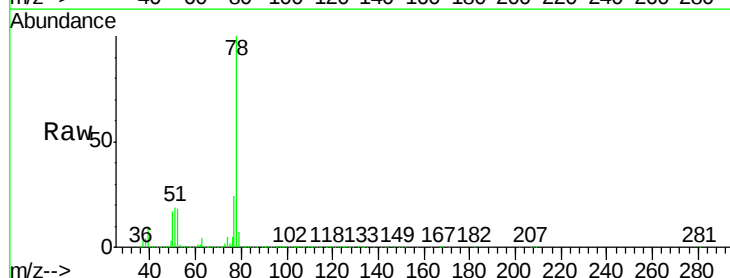
Manual Integrations
APPROVED

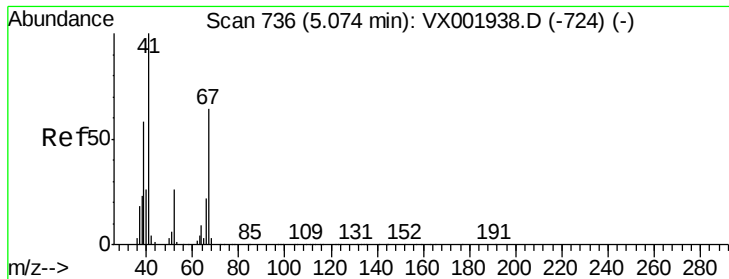
MMDadoda
5/25/2018 2:25:52 PM



#40
Benzene
Concen: 97.15 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 96.30 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

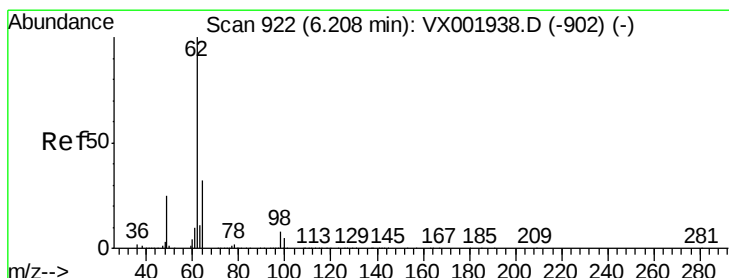
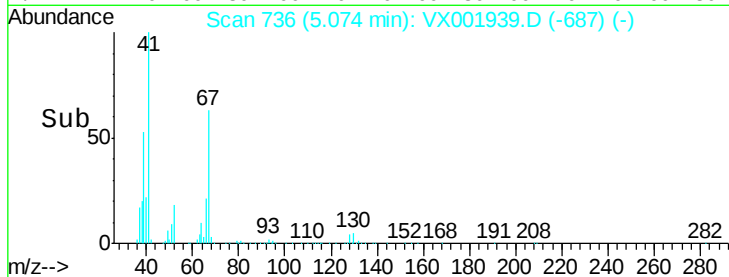
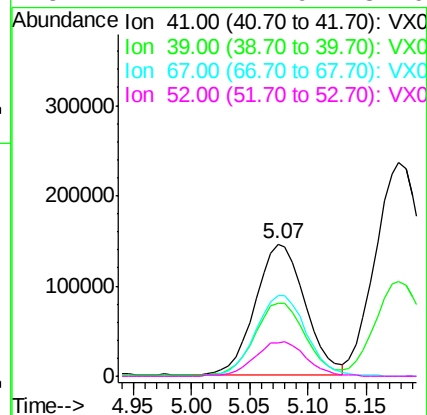
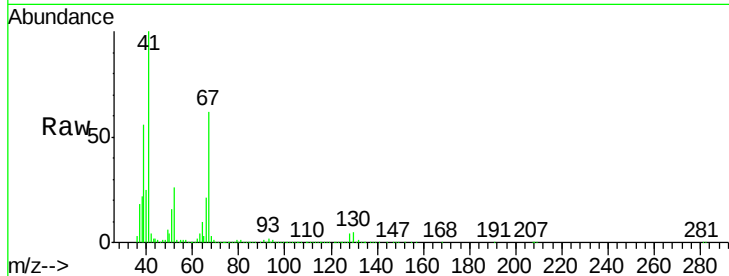
ClientSampleId :

VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		426947		
39	56.3	46.0	69.0		
67	63.0	50.6	75.8		
52	27.2	21.9	32.9		

Manual Integrations
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5/25/2018 2:25:52 PM



#42

1,2-Dichloroethane

Concen: 97.78 ug/l

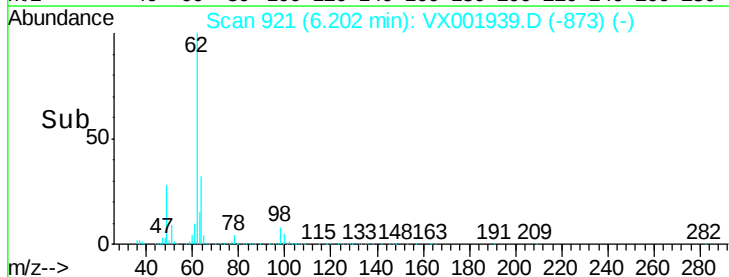
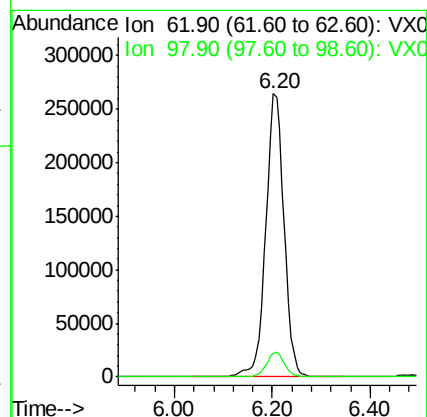
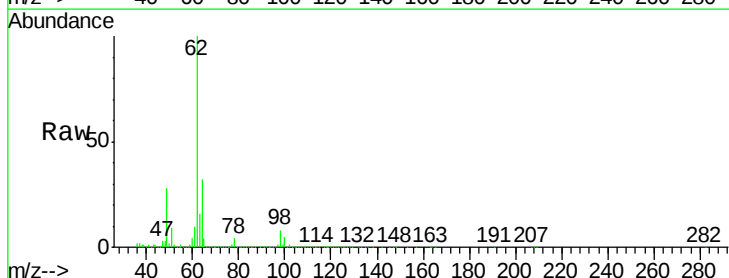
RT: 6.20 min Scan# 921

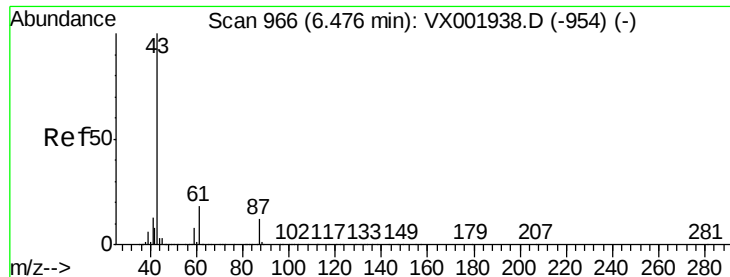
Delta R.T. -0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		683931		
98	8.2	0.0	17.0		





#43

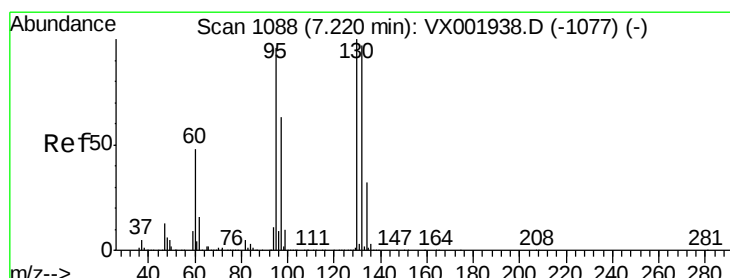
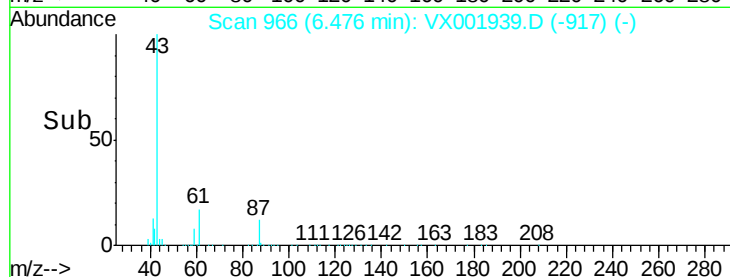
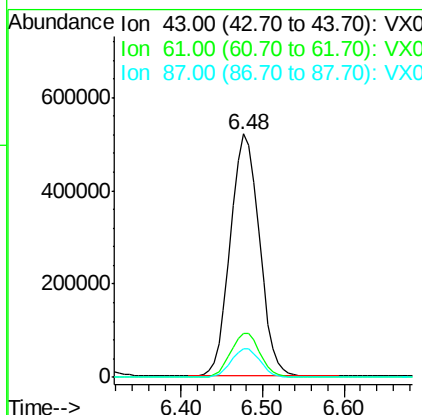
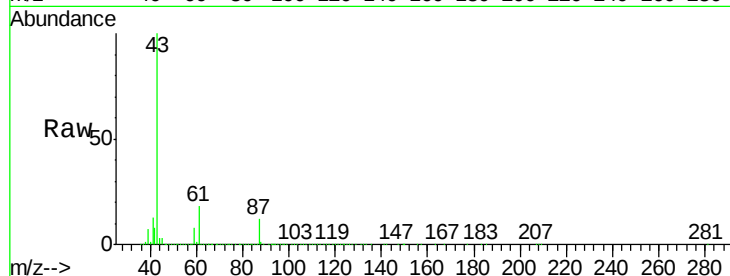
Isopropyl Acetate
 Concen: 95.85 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.5	21.7
87	11.9	9.5	14.3

Manual Integrations
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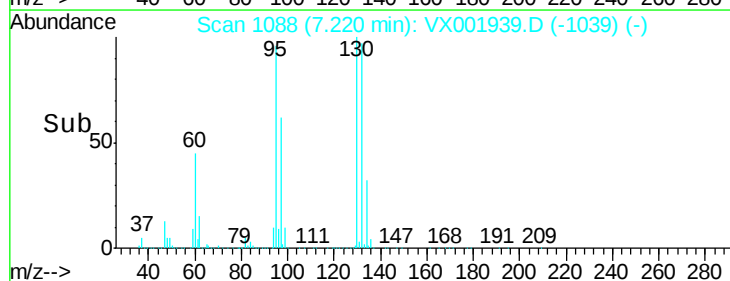
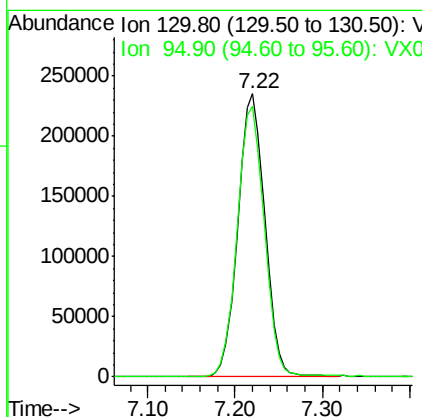
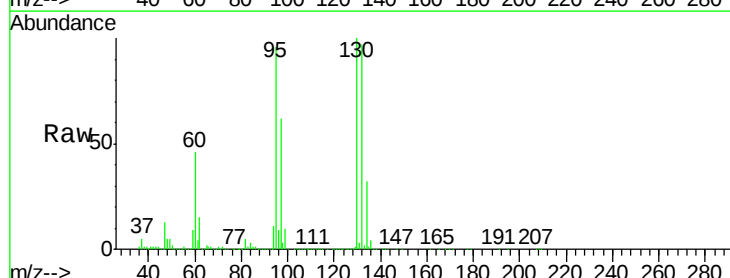
MMDadoda
 5/25/2018 2:25:52 PM

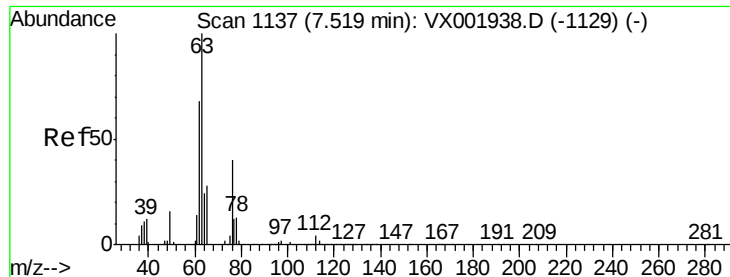


#44

Trichloroethene
 Concen: 97.56 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	192.0





#45

1,2-Dichloropropane

Concen: 97.39 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 63 Resp: 465089

Ion Ratio Lower Upper

63 100

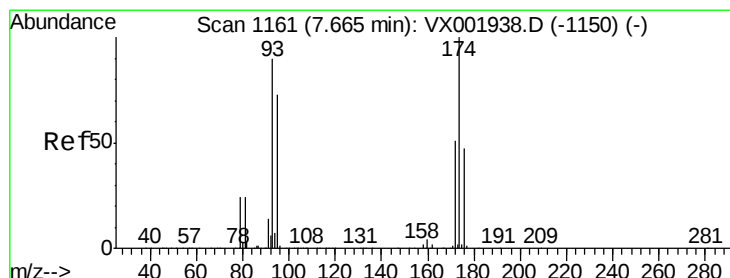
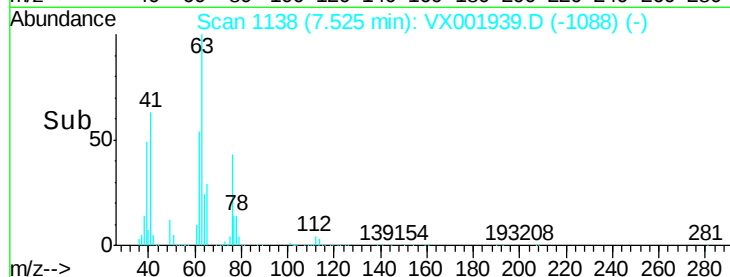
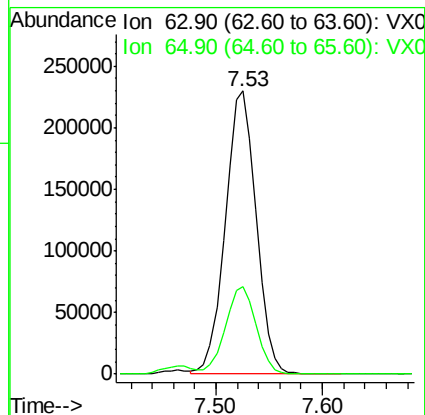
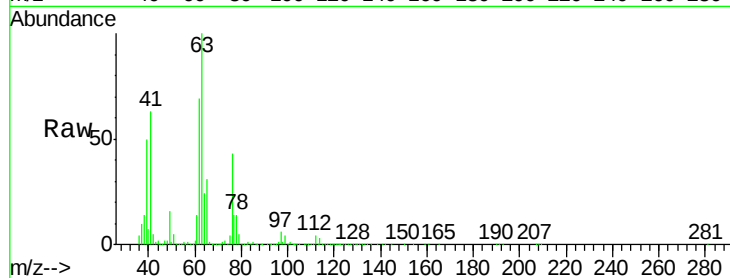
65 30.8 24.1 36.1

Manual Integrations

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MMDadoda

5/25/2018 2:25:52 PM



#46

Dibromomethane

Concen: 96.57 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

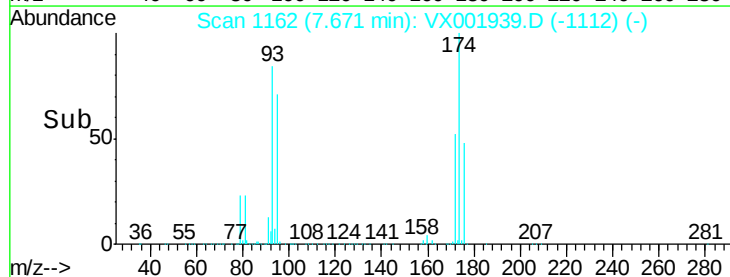
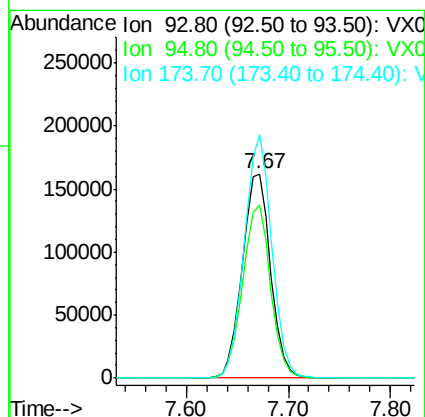
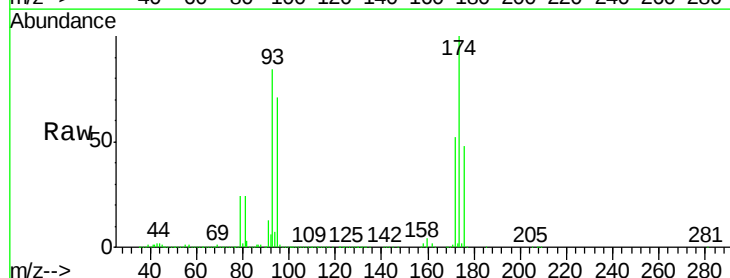
Tgt Ion: 93 Resp: 311265

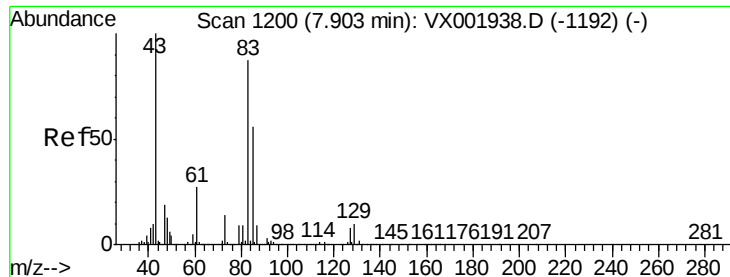
Ion Ratio Lower Upper

93 100

95 83.4 66.1 99.1

174 116.2 92.5 138.7





#47

Bromodichloromethane

Concen: 97.29 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

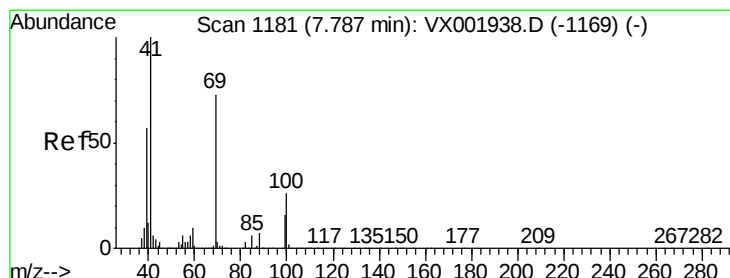
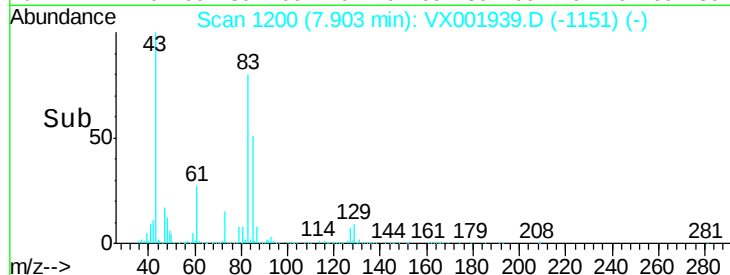
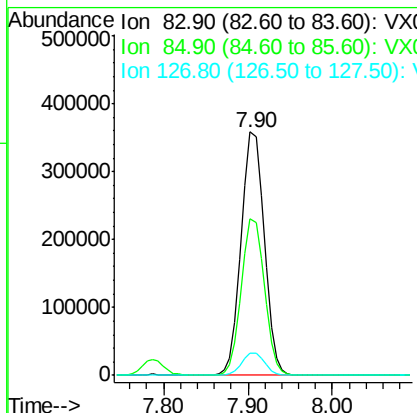
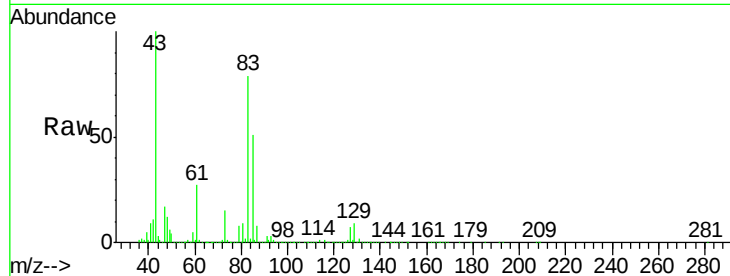
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	659050
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2
127	9.0	7.1	10.7

Manual Integrations
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5/25/2018 2:25:52 PM



#48

Methyl methacrylate

Concen: 95.95 ug/l

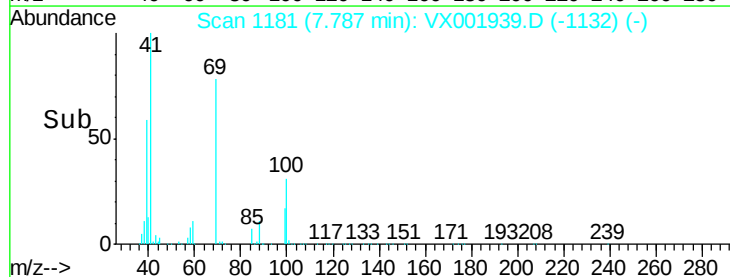
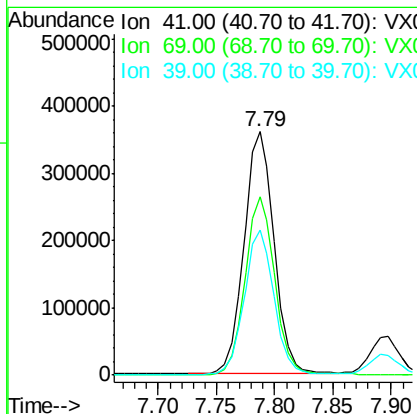
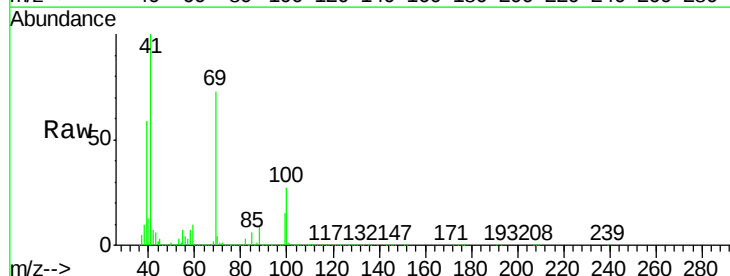
RT: 7.79 min Scan# 1181

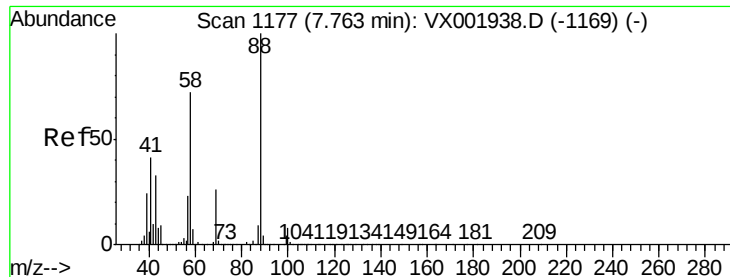
Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tgt Ion:	41	Resp:	647645
Ion	Ratio	Lower	Upper
41	100		
69	72.8	58.6	87.8
39	58.6	46.3	69.5





#49

1,4-Dioxane

Concen: 1868.97 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

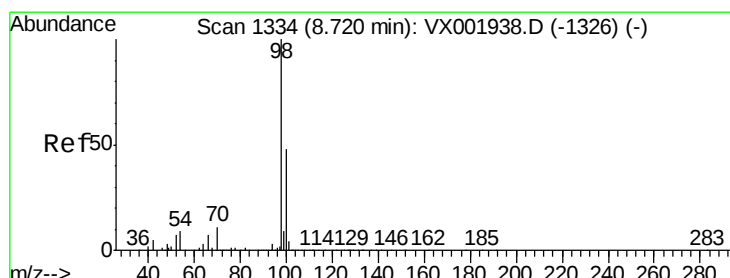
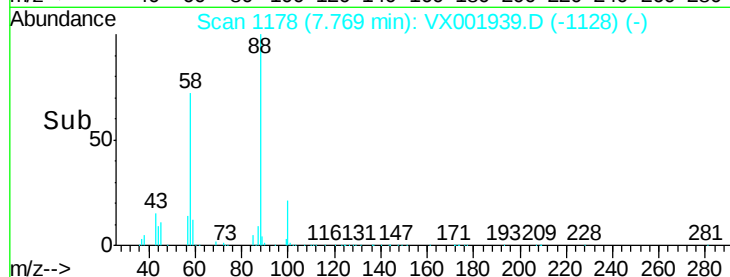
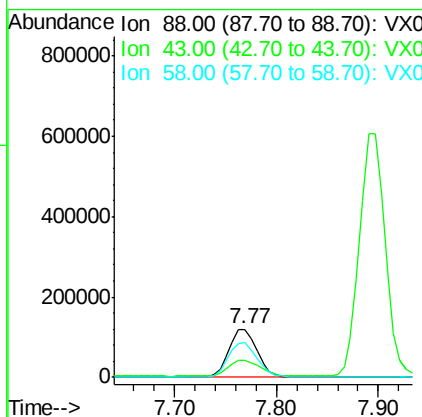
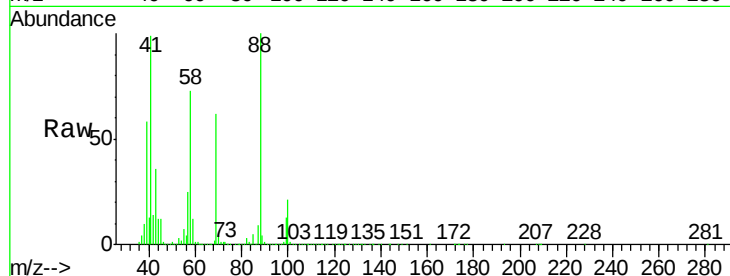
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	227401
Ion Ratio	Lower	Upper	
88	100		
43	38.6	29.8	44.8
58	74.6	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 98.97 ug/l

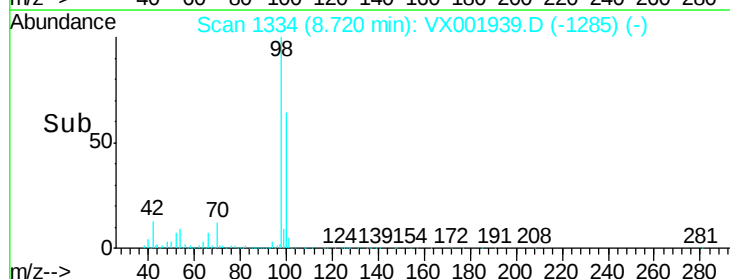
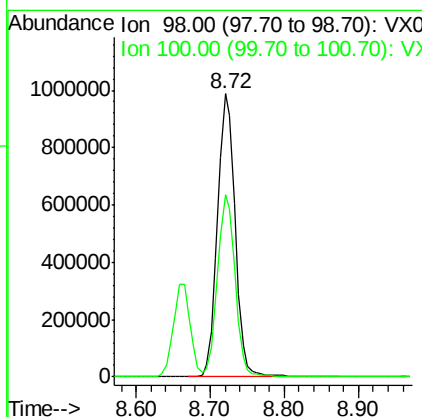
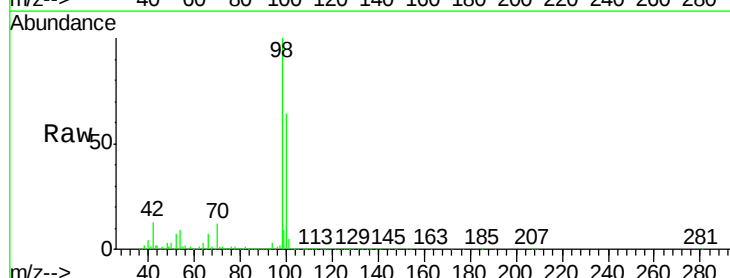
RT: 8.72 min Scan# 1334

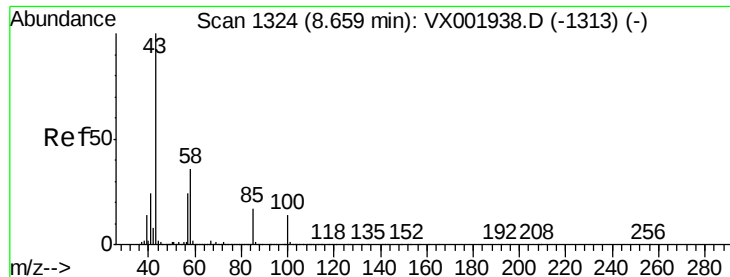
Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tgt Ion:	98	Resp:	1608758
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 469.47 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3792524

Ion Ratio Lower Upper

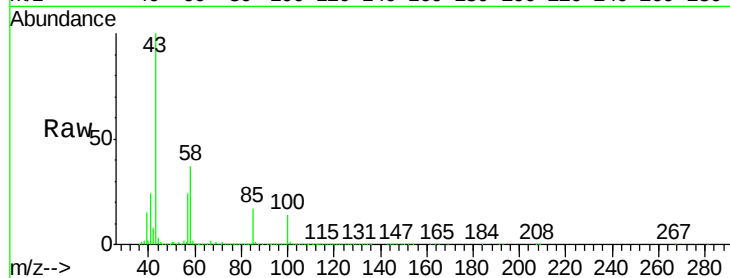
43 100

58 36.2 28.5 42.7

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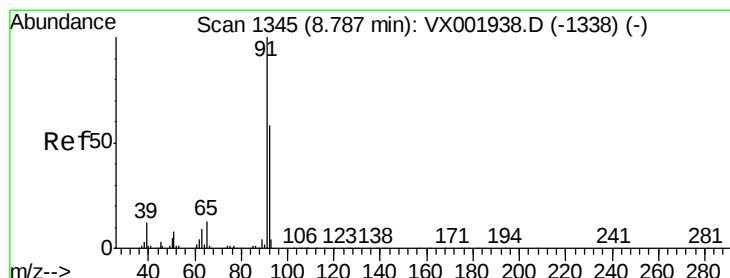
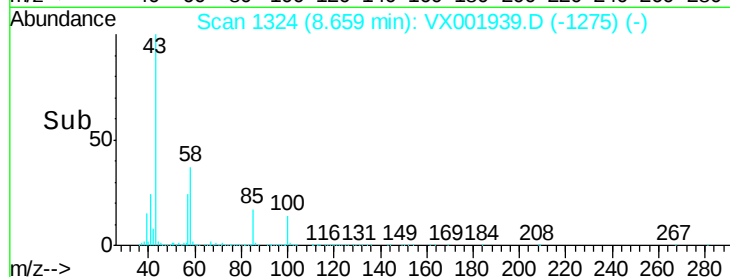
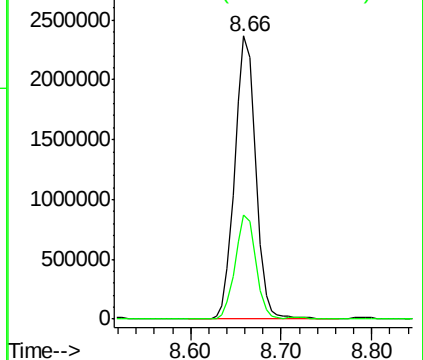
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 98.22 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX001939.D

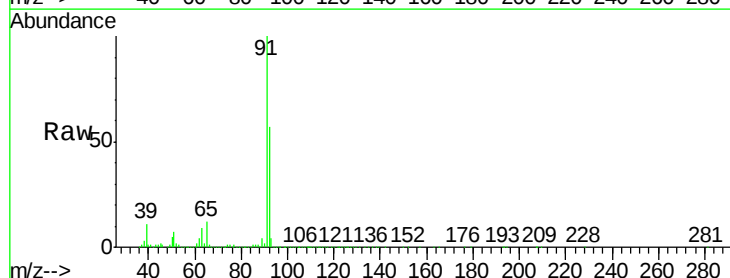
Acq: 24 May 2018 12:13

Tgt Ion: 92 Resp: 1111975

Ion Ratio Lower Upper

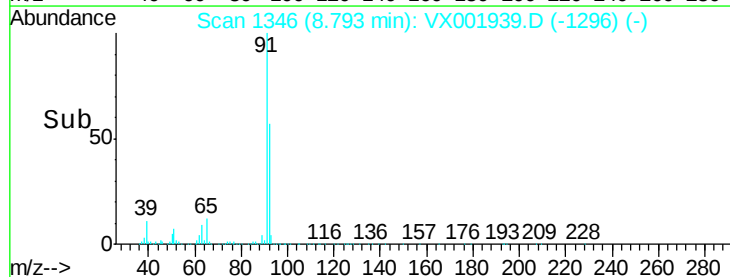
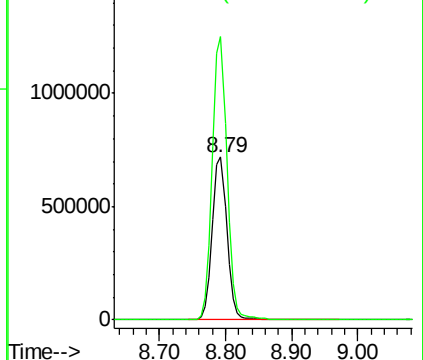
92 100

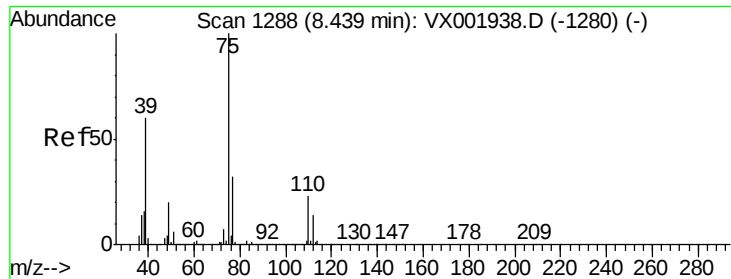
91 173.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 97.58 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tot Ion: 75 Resp: 780862

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3

Instrument :

MSVOA_X

ClientSampleId :

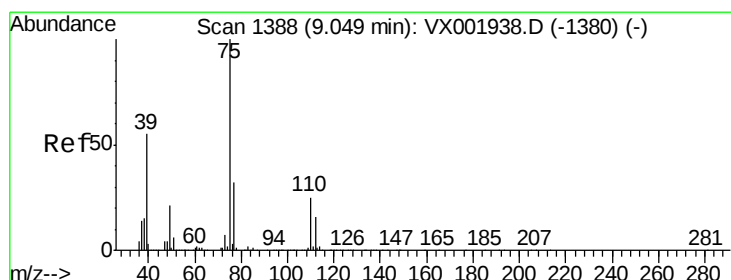
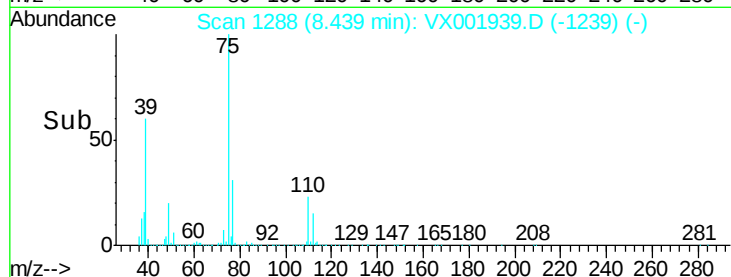
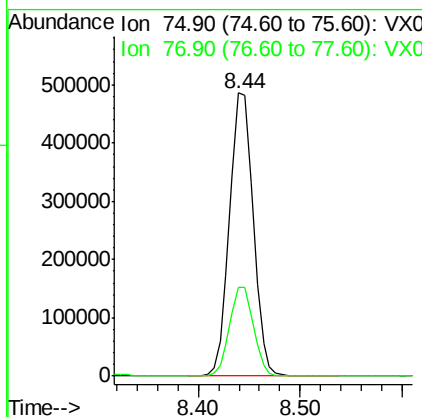
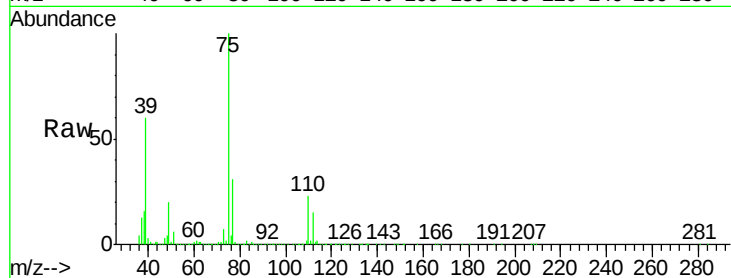
VSTDIC100

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 98.67 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

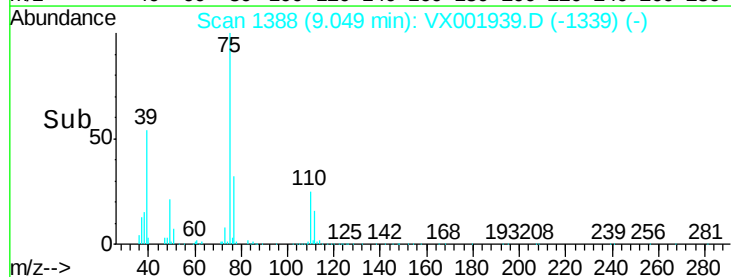
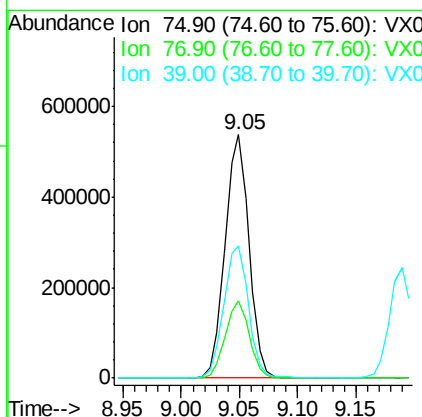
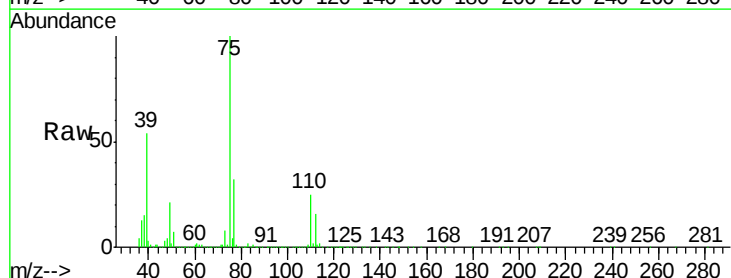
Tgt Ion: 75 Resp: 763542

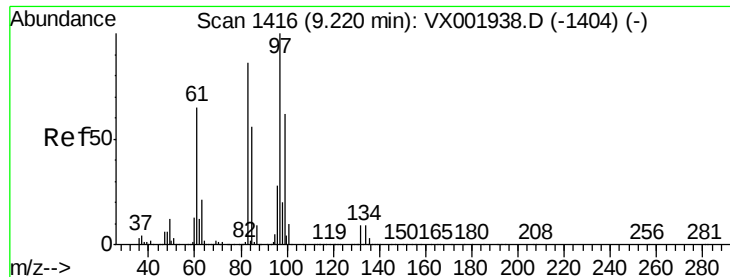
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 53.9 44.1 66.1





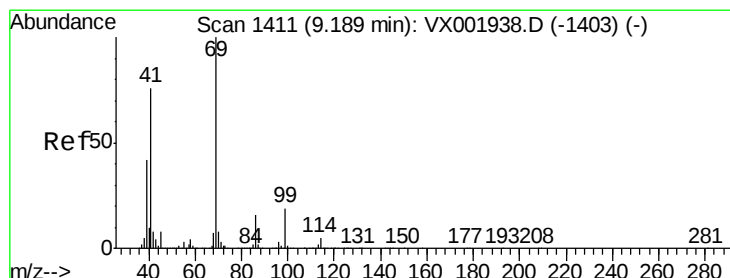
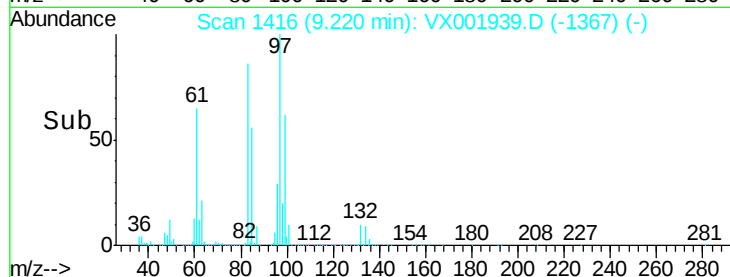
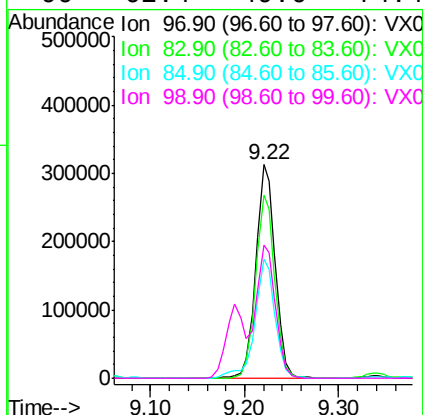
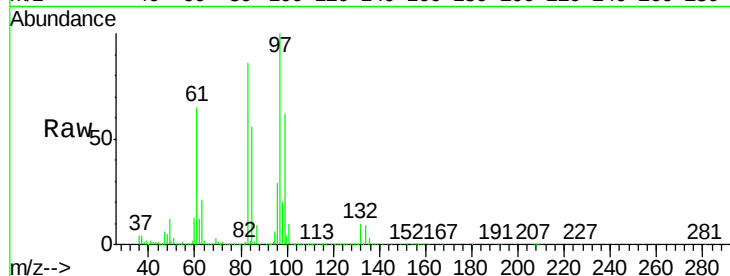
#55
 1,1,2-Trichloroethane
 Concen: 97.52 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		452157		
83	85.7	69.1	103.7		
85	55.6	45.2	67.8		
99	62.4	49.6	74.4		

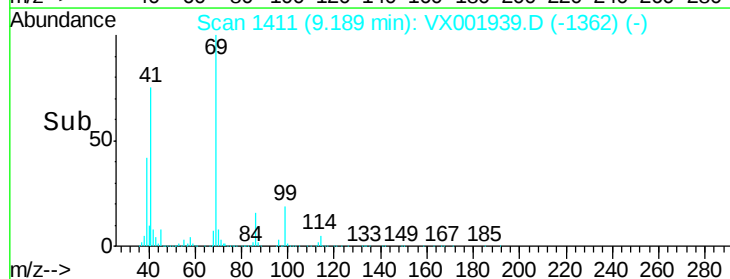
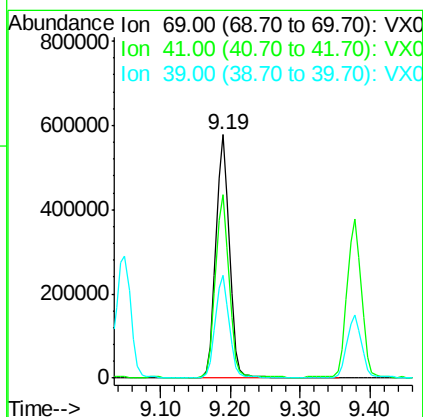
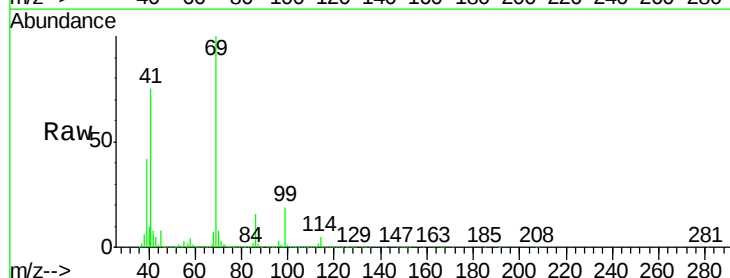
Manual Integrations
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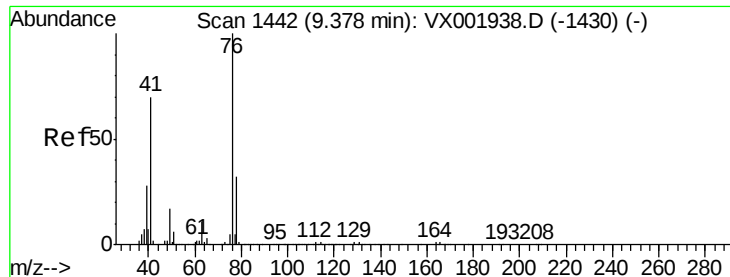
MMDadoda
 5/25/2018 2:25:52 PM



#56
 Ethyl methacrylate
 Concen: 97.65 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		779733		
41	75.8	61.0	91.6		
39	42.8	34.4	51.6		





#57

1,3-Dichloropropane

Concen: 97.54 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 758454

Ion Ratio Lower Upper

76 100

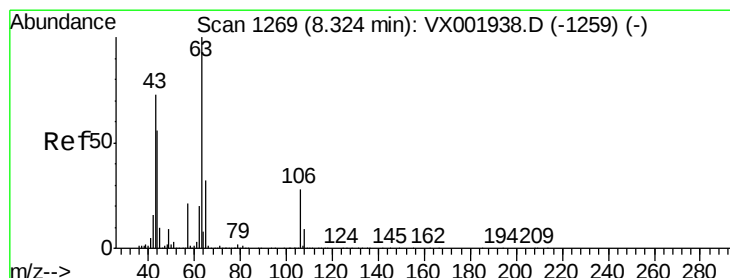
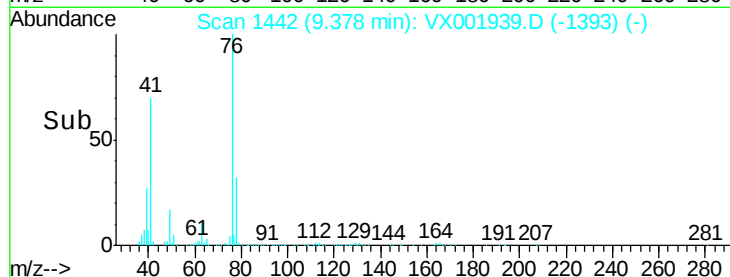
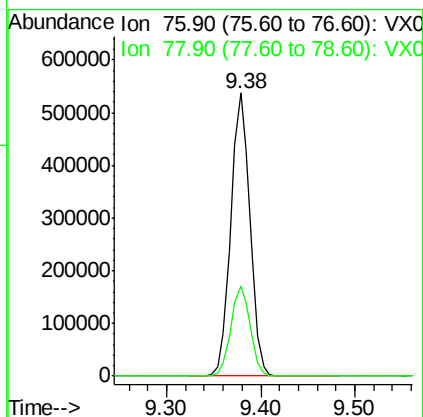
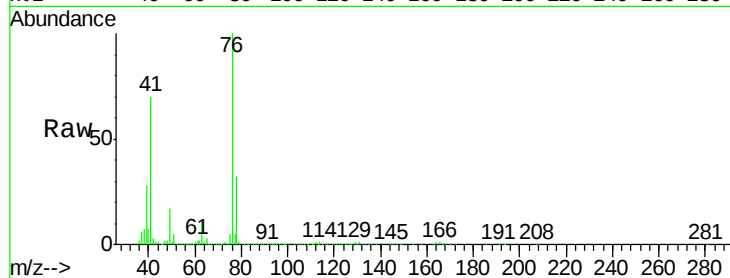
78 32.0 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:52 PM



#58

2-Chloroethyl Vinyl ether

Concen: 492.30 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX001939.D

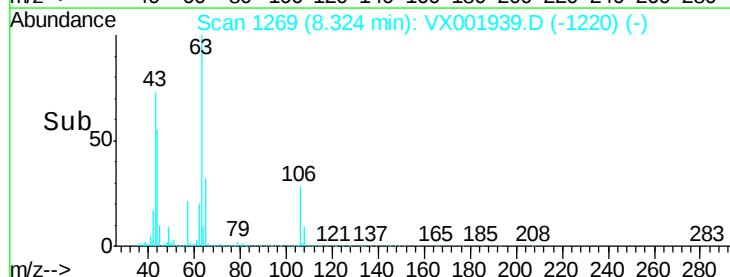
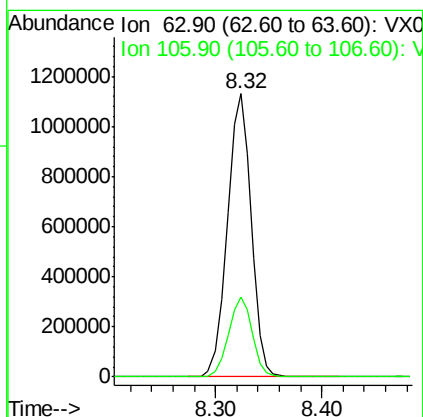
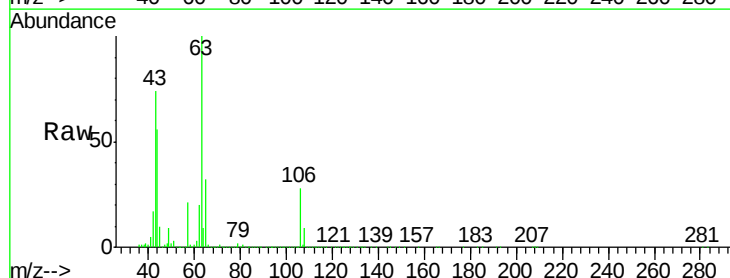
Acq: 24 May 2018 12:13

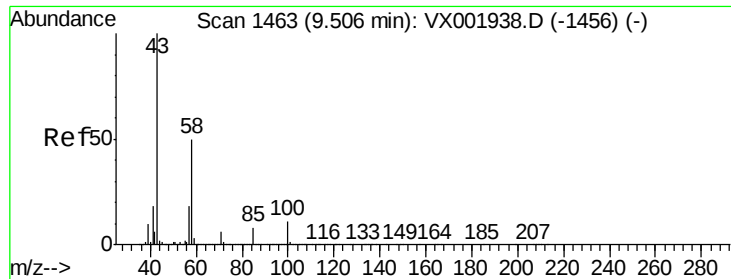
Tgt Ion: 63 Resp: 1772773

Ion Ratio Lower Upper

63 100

106 27.9 21.7 32.5





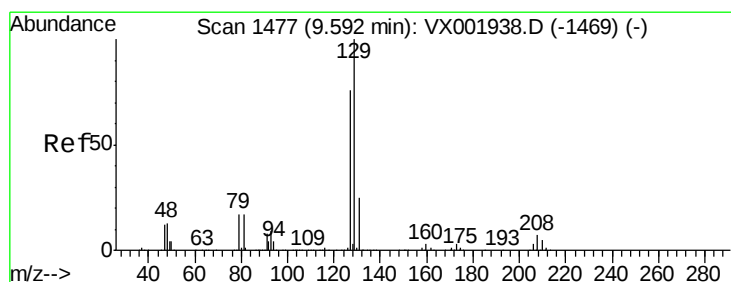
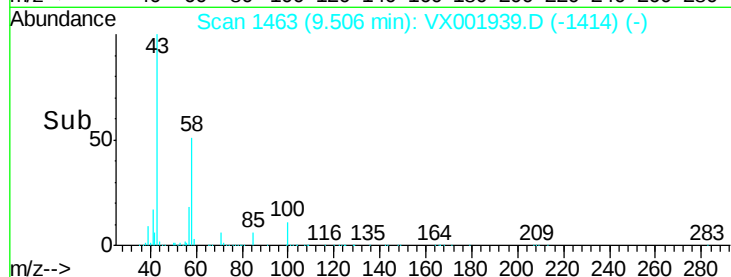
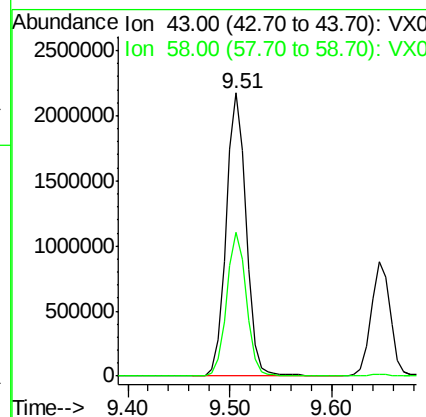
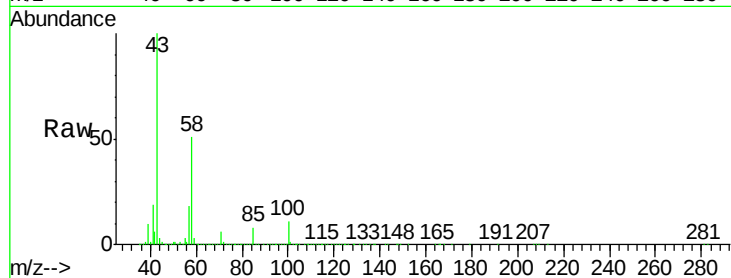
#59
2-Hexanone
Concen: 472.54 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2954386
Ion Ratio Lower Upper
43 100
58 50.3 24.9 74.6

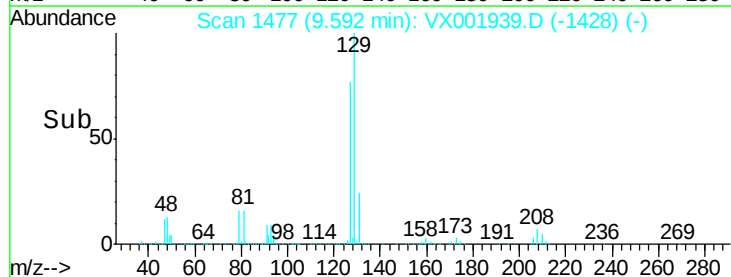
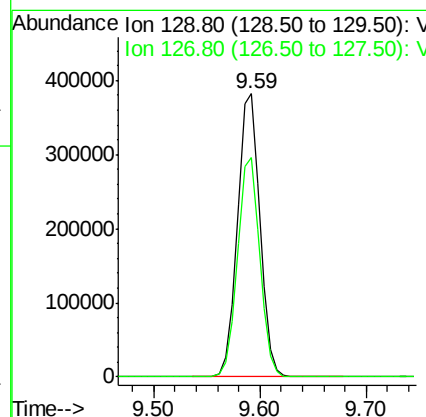
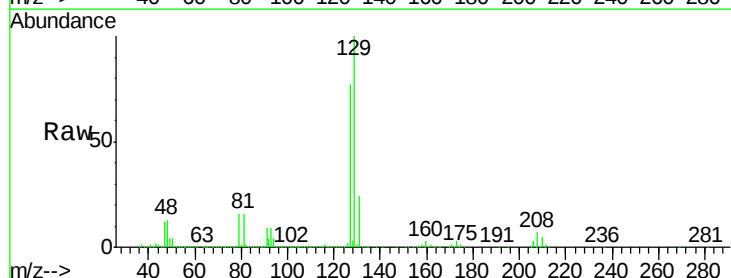
Manual Integrations
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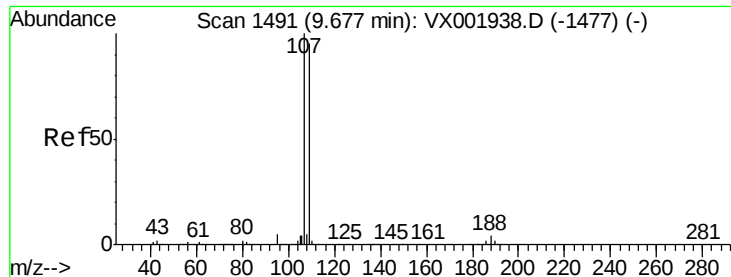
MMDadoda
5/25/2018 2:25:52 PM



#60
Dibromochloromethane
Concen: 99.63 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion: 129 Resp: 563570
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 98.25 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 488827

Ion Ratio Lower Upper

107 100

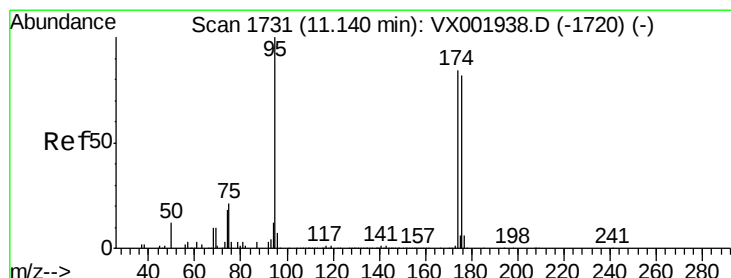
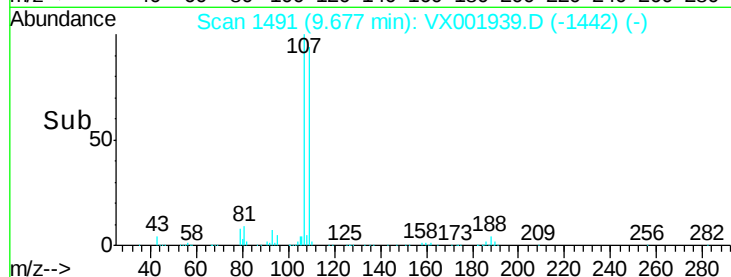
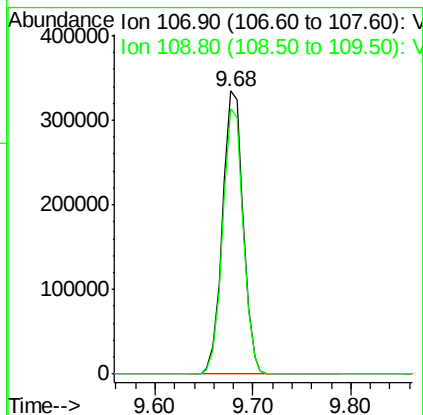
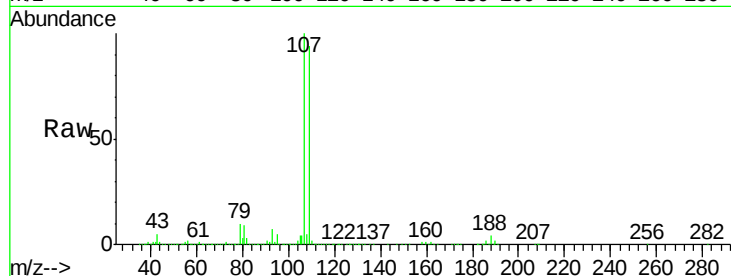
109 93.7 75.3 112.9

Manual Integrations

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MMDadoda

5/25/2018 2:25:52 PM



#62

4-Bromofluorobenzene

Concen: 101.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

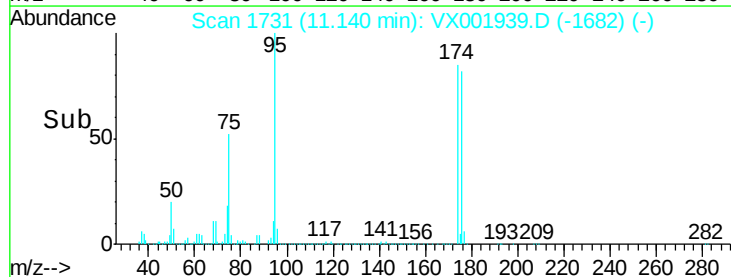
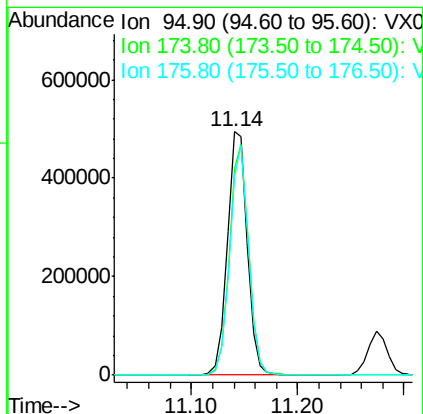
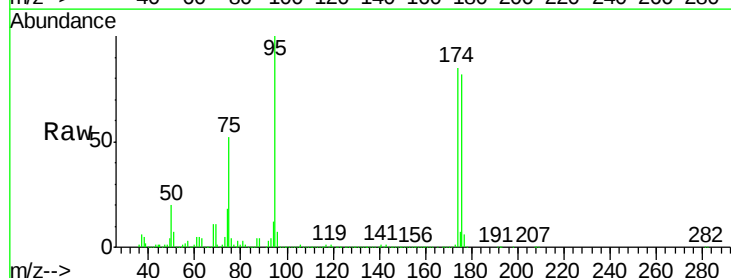
Tgt Ion: 95 Resp: 647128

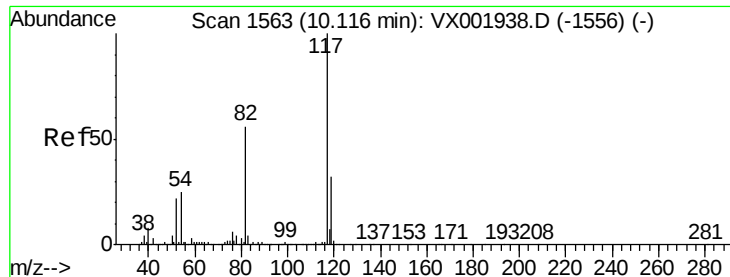
Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.8

176 89.5 0.0 175.6





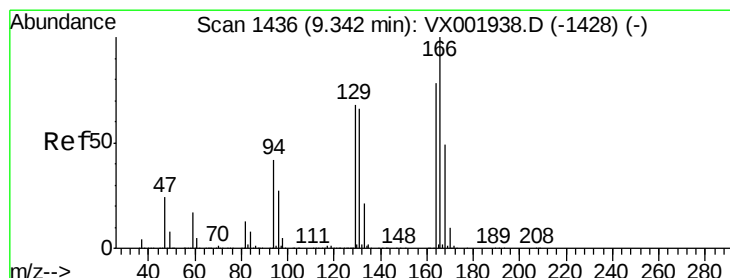
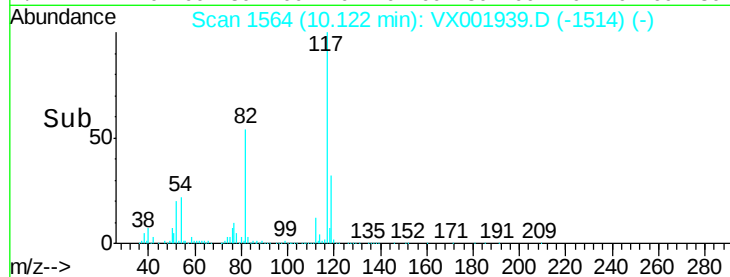
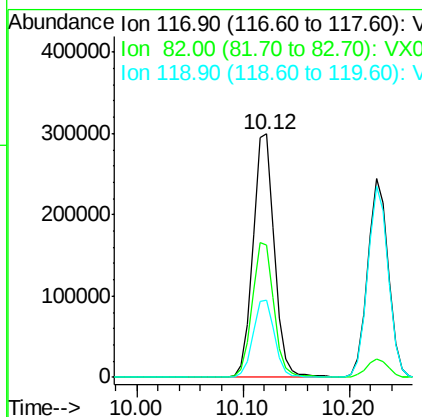
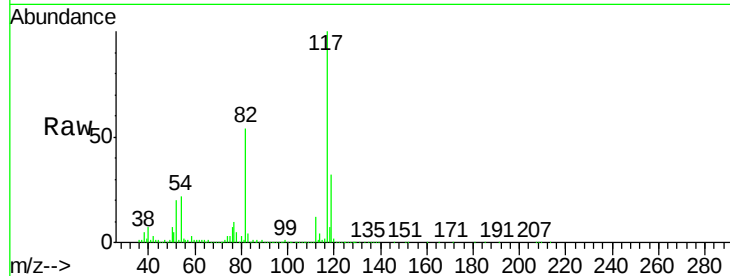
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.8	67.2
119	31.9	25.5	38.3

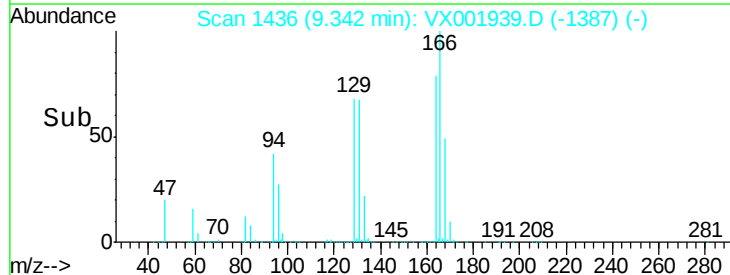
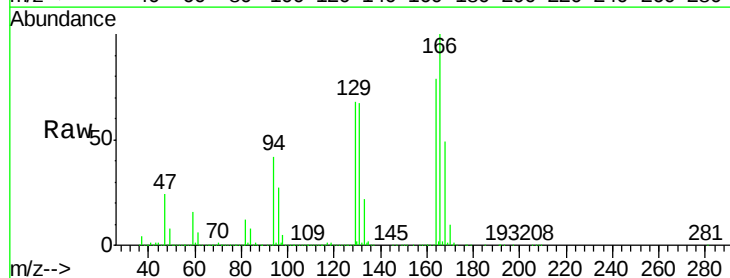
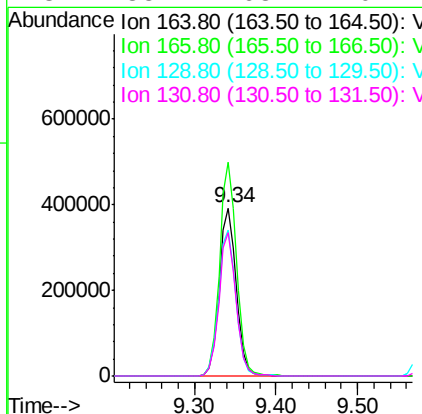
Manual Integrations
APPROVED

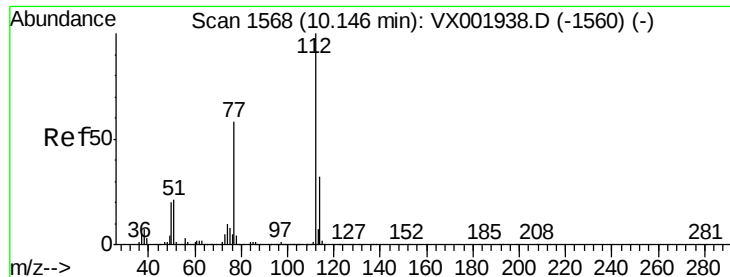
MMDadoda
5/25/2018 2:25:52 PM



#64
Tetrachloroethene
Concen: 98.15 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.7	154.1
129	87.0	70.3	105.5
131	85.1	68.2	102.4





#65

Chlorobenzene

Concen: 98.58 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 1267719

Ion Ratio Lower Upper

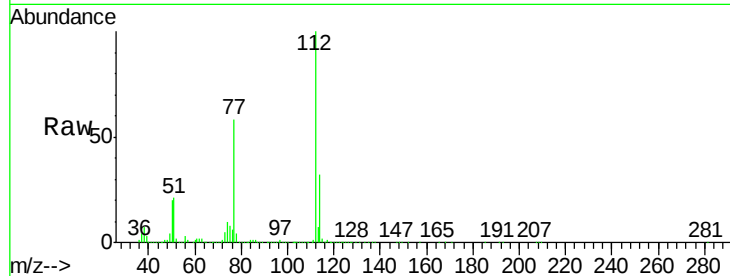
112 100

114 32.0 25.9 38.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

1000000

800000

600000

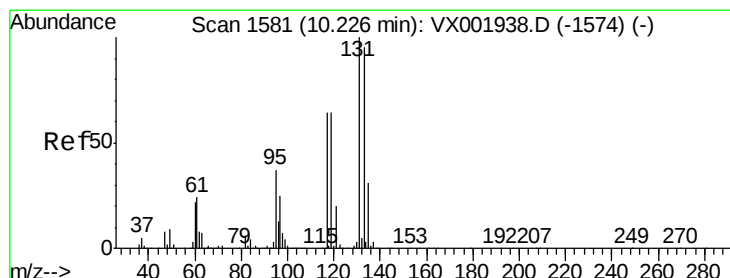
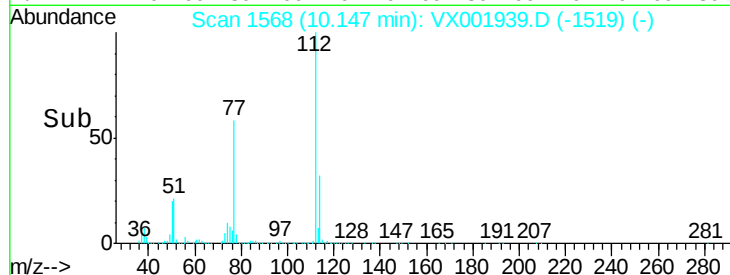
400000

200000

0

10.00 10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 98.74 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

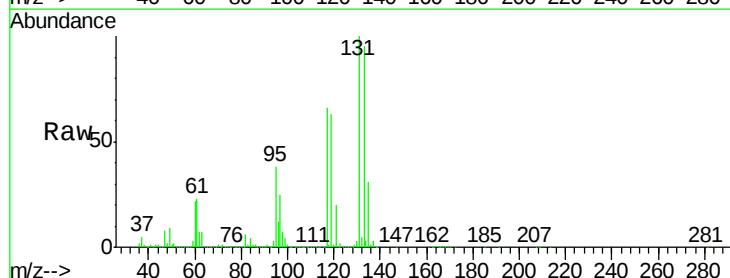
Tgt Ion:131 Resp: 508882

Ion Ratio Lower Upper

131 100

133 95.2 48.0 144.0

119 62.7 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

500000

400000

300000

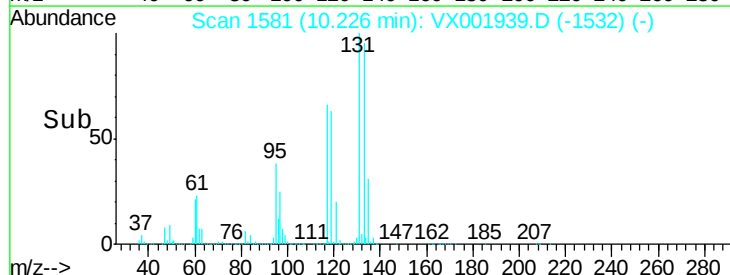
200000

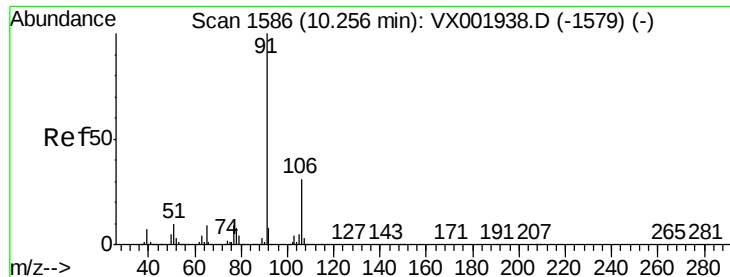
100000

0

10.20 10.30

Time-->





#67

Ethyl Benzene

Concen: 96.92 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2188344

Ion Ratio Lower Upper

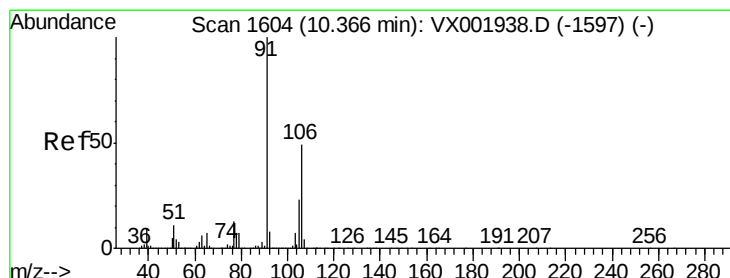
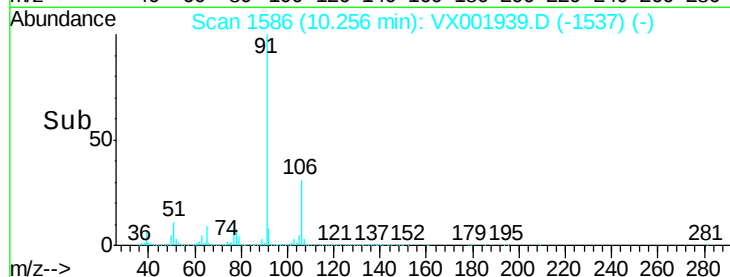
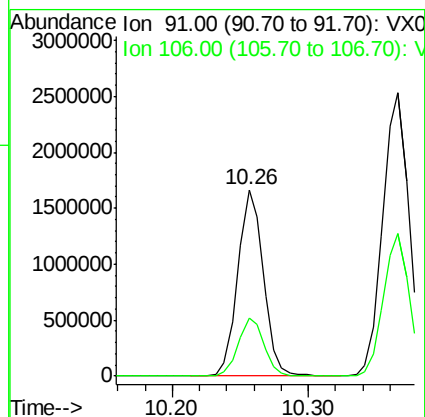
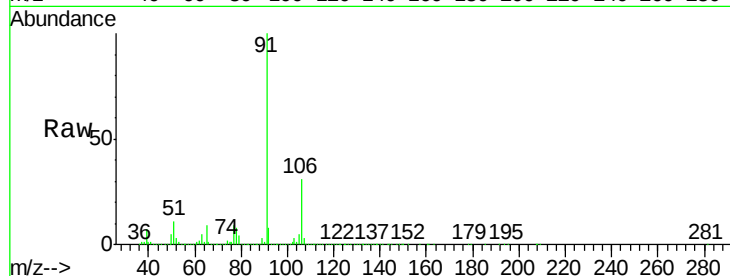
91 100

106 31.0 25.0 37.6

Manual Integrations
APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 197.33 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001939.D

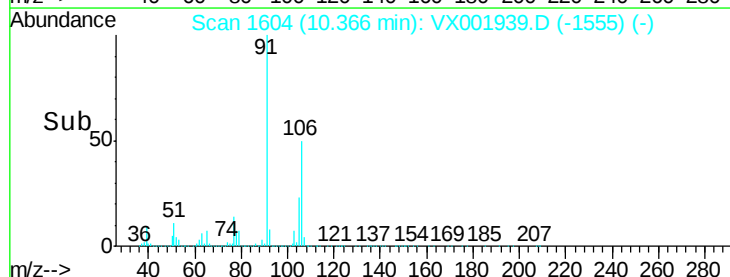
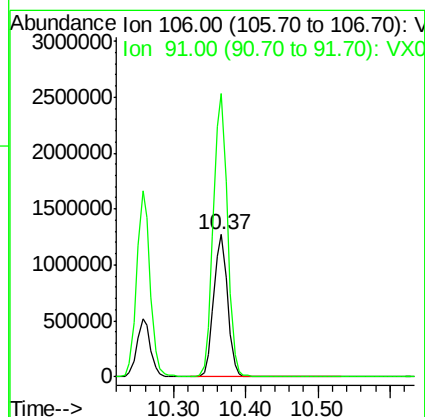
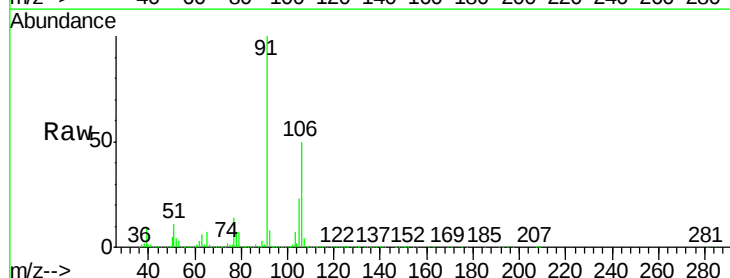
Acq: 24 May 2018 12:13

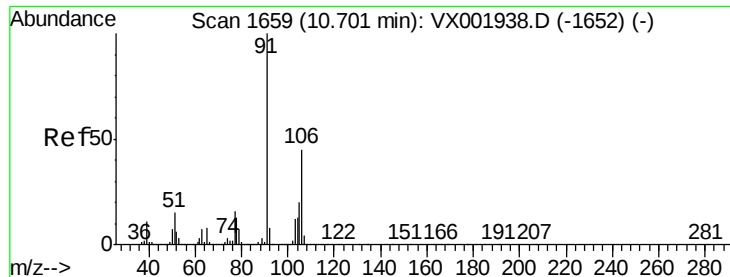
Tgt Ion: 106 Resp: 1695367

Ion Ratio Lower Upper

106 100

91 202.4 165.0 247.6





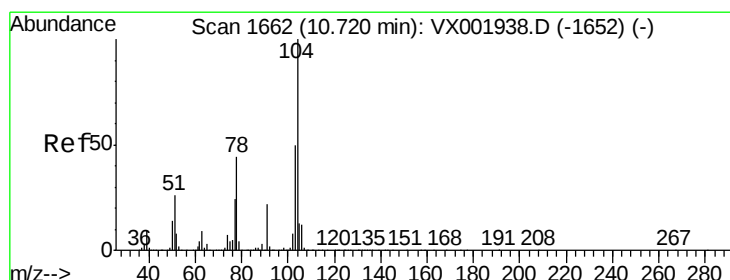
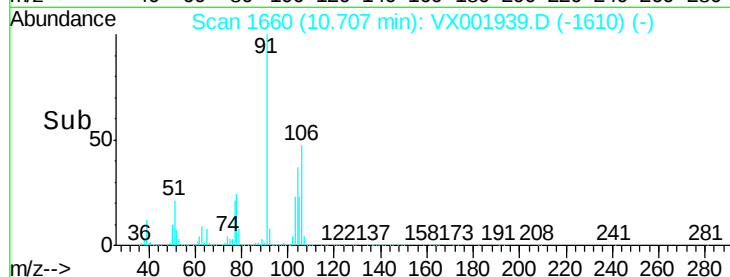
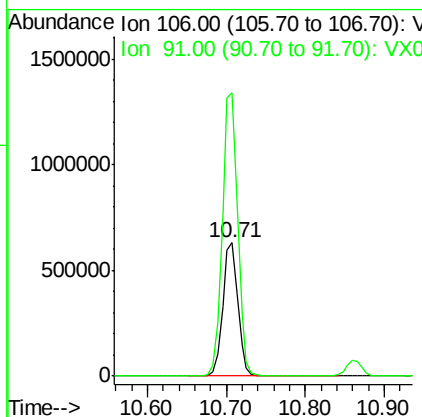
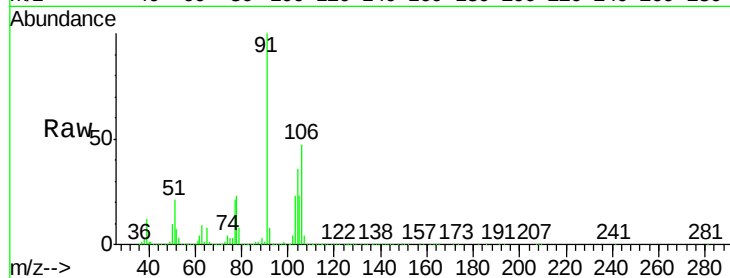
#69
o-Xylene
Concen: 98.04 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 834556
Ion Ratio Lower Upper
106 100
91 216.7 108.7 325.9

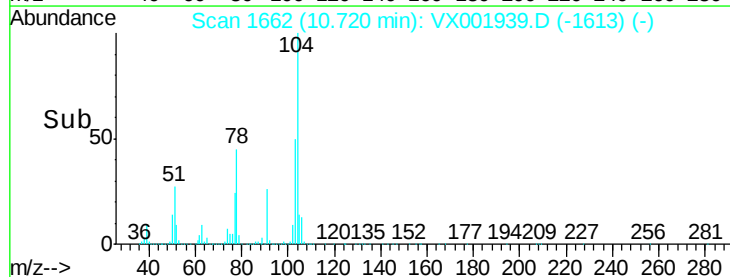
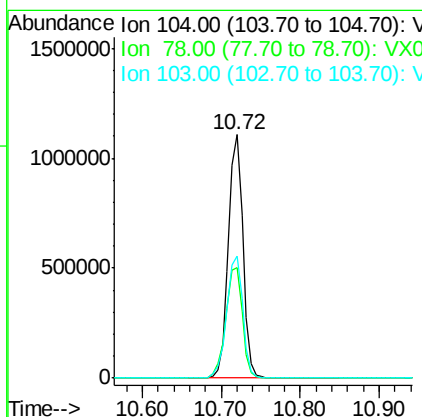
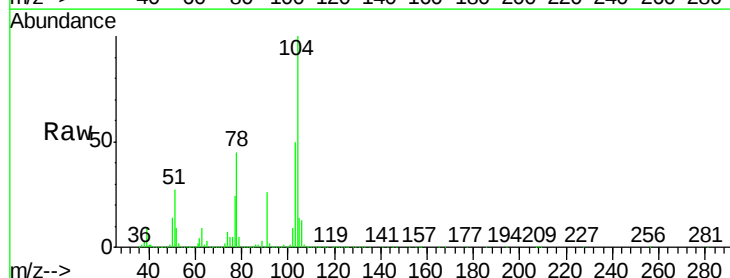
Manual Integrations
APPROVED

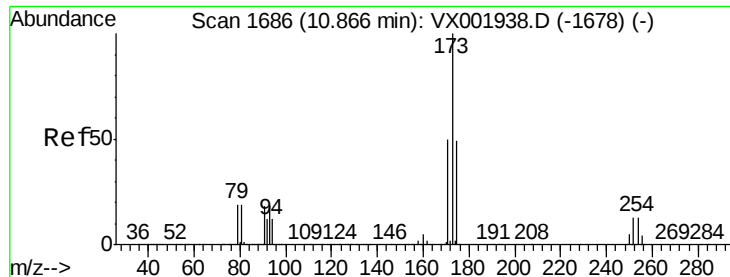
MMDadoda
5/25/2018 2:25:52 PM



#70
Styrene
Concen: 99.45 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion:104 Resp: 1421536
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.6
103 55.4 44.6 67.0





#71

Bromoform

Concen: 101.15 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 507366

Ion Ratio Lower Upper

173 100

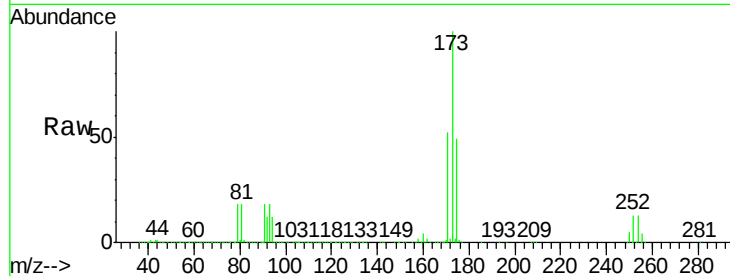
175 49.2 24.3 72.9

254 0.2 0.1 0.1#

Manual Integrations
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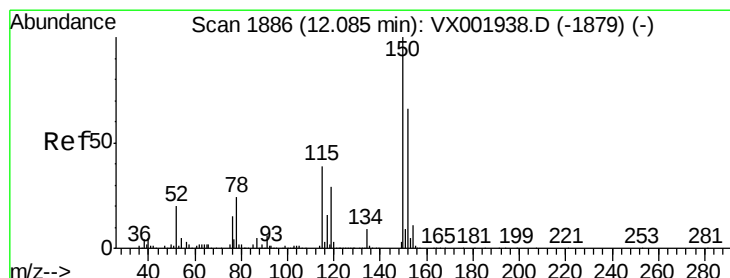
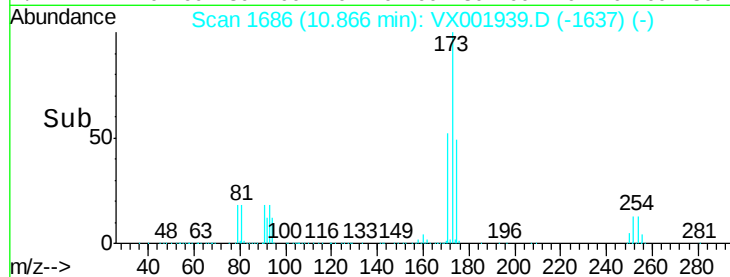
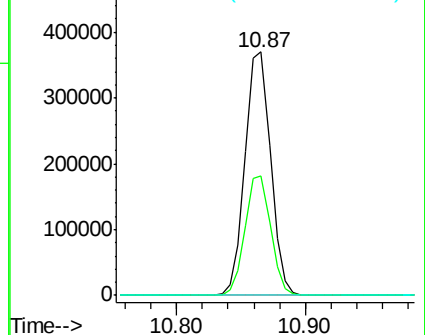
5/25/2018 2:25:52 PM



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: VX001939.D

Acq: 24 May 2018 12:13

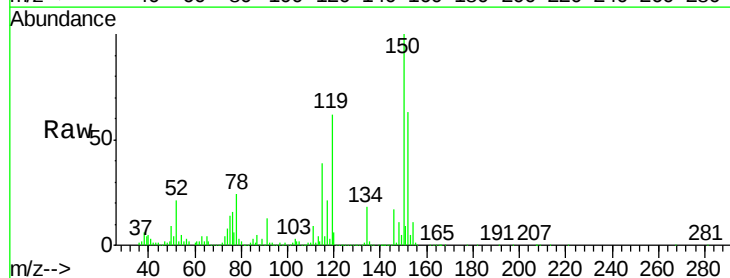
Tgt Ion:152 Resp: 300448

Ion Ratio Lower Upper

152 100

115 110.0 42.3 126.8

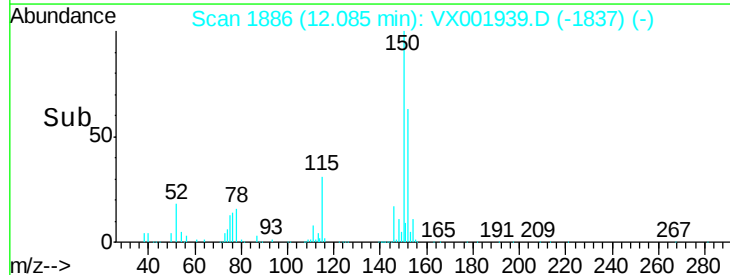
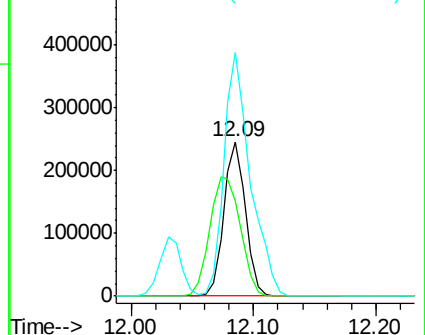
150 193.3 0.0 351.0

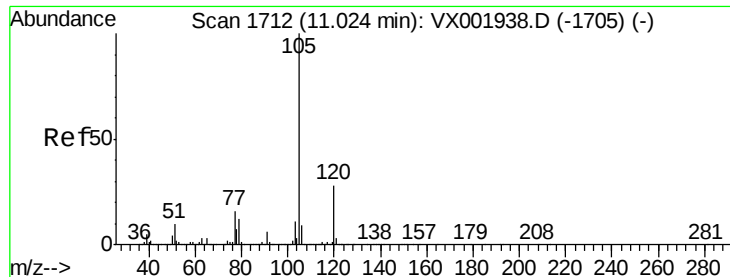


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 92.83 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2250448

Ion Ratio Lower Upper

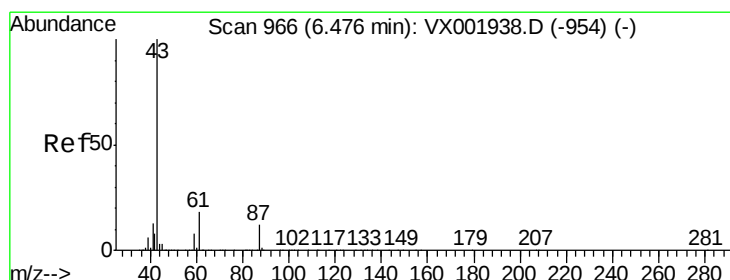
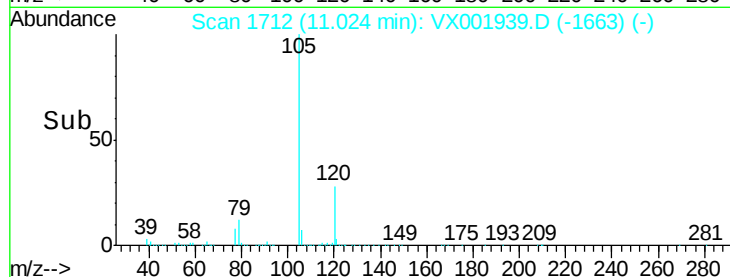
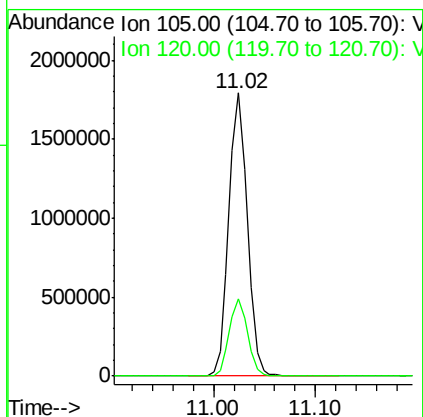
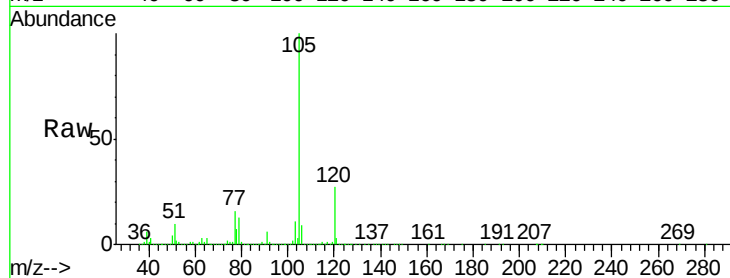
105 100

120 27.1 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 89.74 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tgt Ion: 43 Resp: 1280348

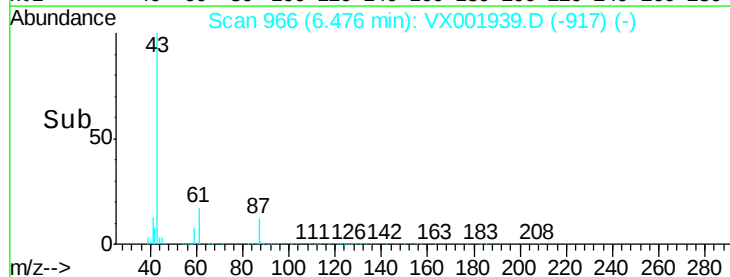
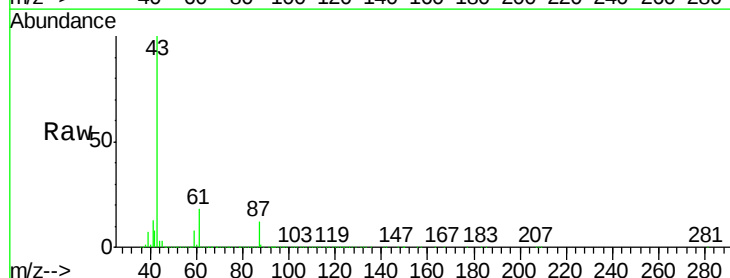
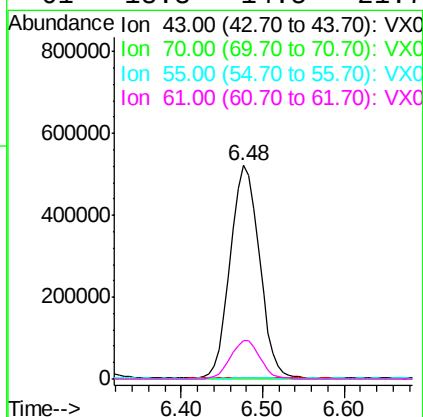
Ion Ratio Lower Upper

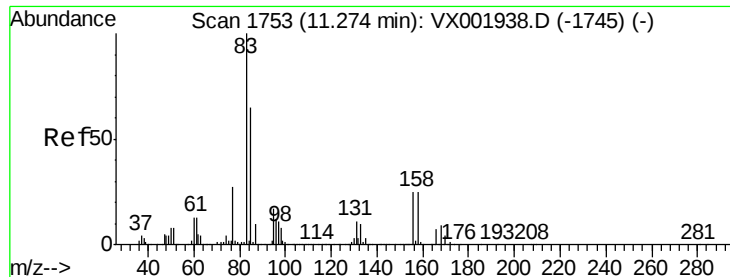
43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 18.3 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 95.37 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

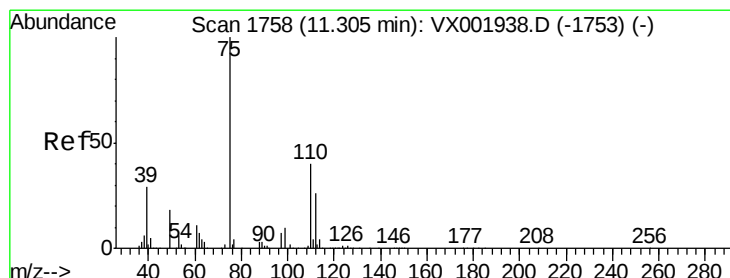
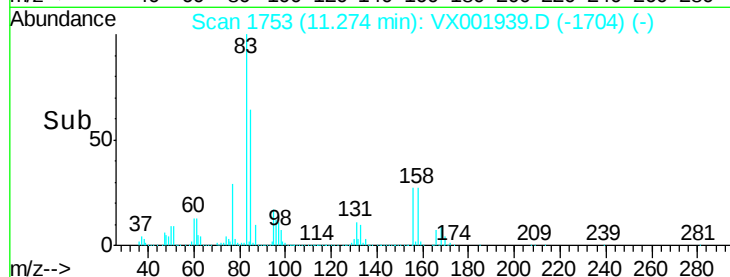
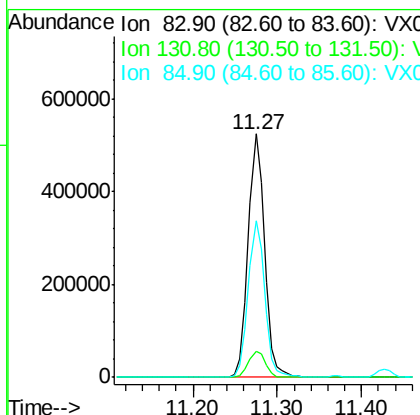
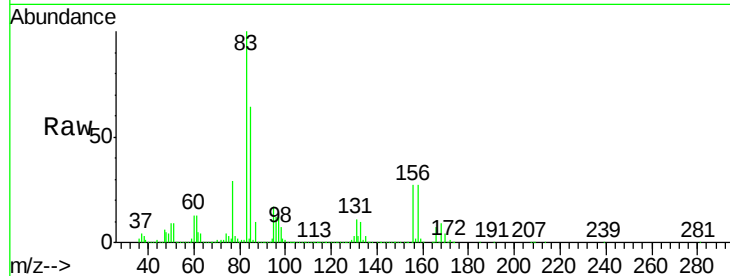
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	675641
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	64.9	32.6	97.7

Manual Integrations
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5/25/2018 2:25:52 PM



#76

1,2,3-Trichloropropane

Concen: 89.87 ug/l m

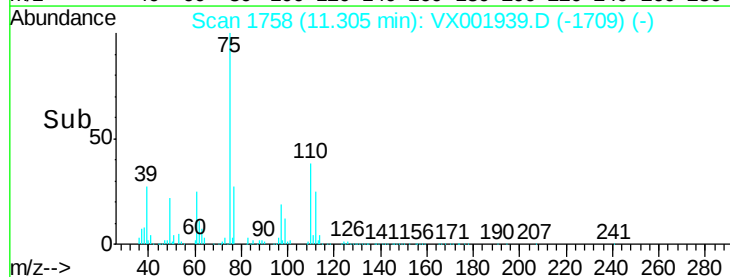
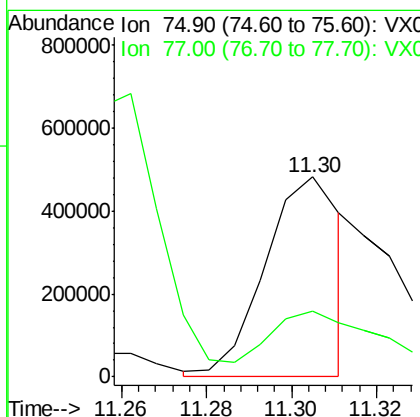
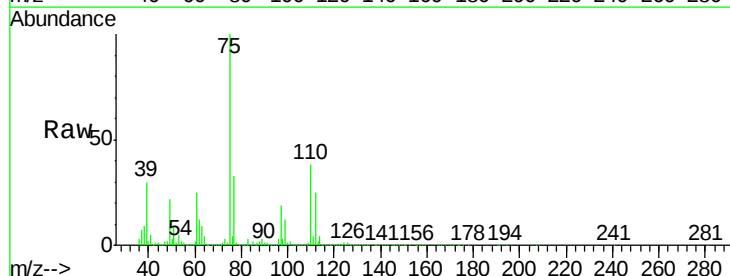
RT: 11.30 min Scan# 1758

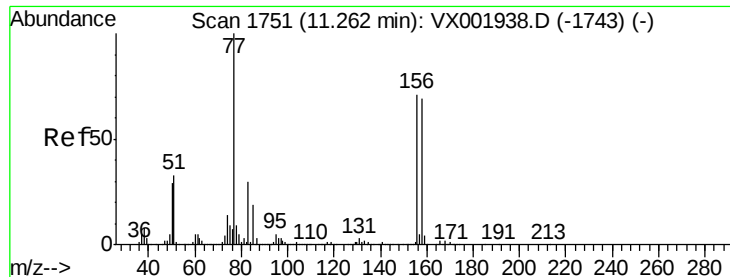
Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tgt Ion:	75	Resp:	596393
Ion Ratio	Lower	Upper	
75	100		
77	48.3	22.8	68.3





#77

Bromobenzene

Concen: 95.83 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 617711

Ion Ratio Lower Upper

156 100

77 146.2 75.2 225.6

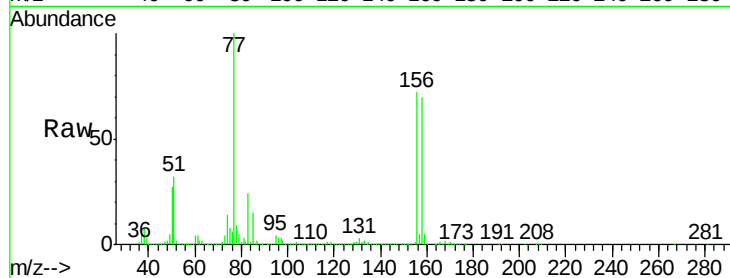
158 97.8 48.6 145.8

Manual Integrations

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

800000

600000

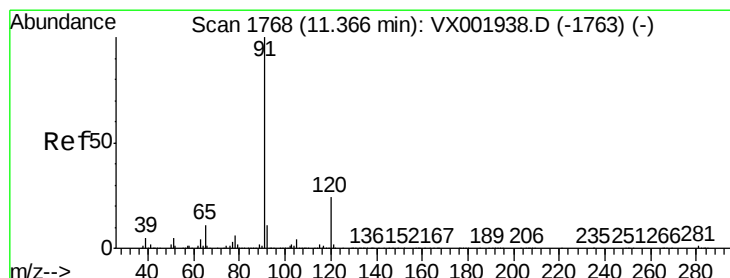
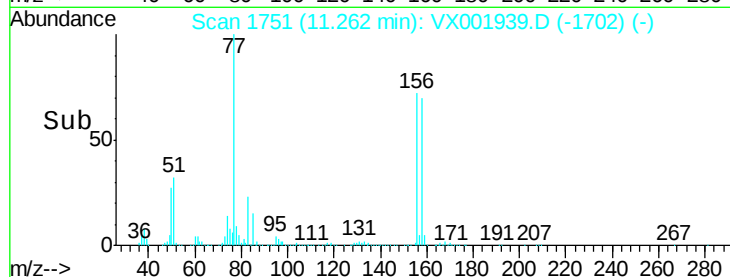
400000

200000

0

11.20 11.30 11.40

Time-->



#78

n-propylbenzene

Concen: 92.92 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001939.D

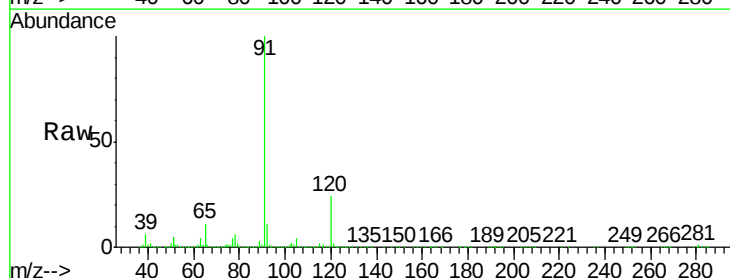
Acq: 24 May 2018 12:13

Tgt Ion: 91 Resp: 2556592

Ion Ratio Lower Upper

91 100

120 24.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

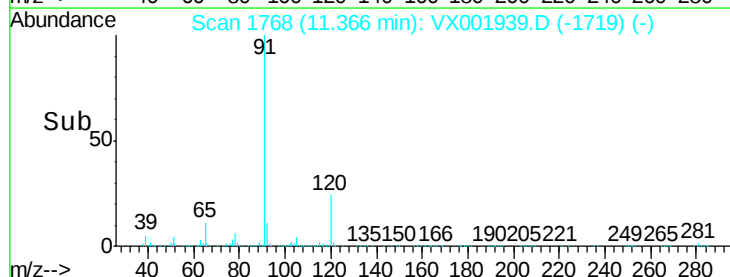
1000000

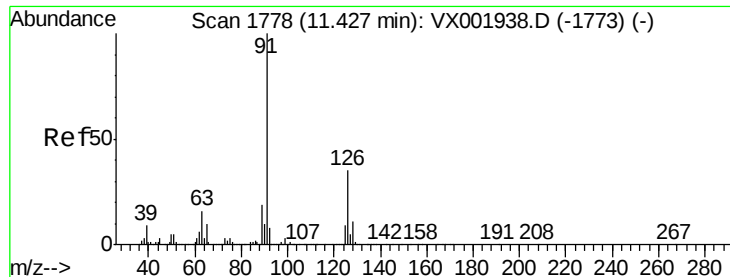
500000

0

11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 93.52 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1541544

Ion Ratio Lower Upper

91 100

126 35.3

17.4

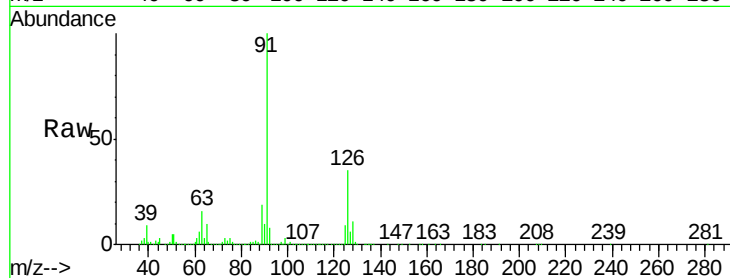
52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001939.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001939.D (-1773) (-)

2500000

2000000

1500000

1000000

500000

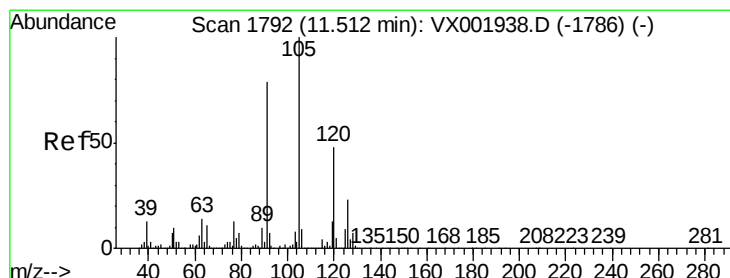
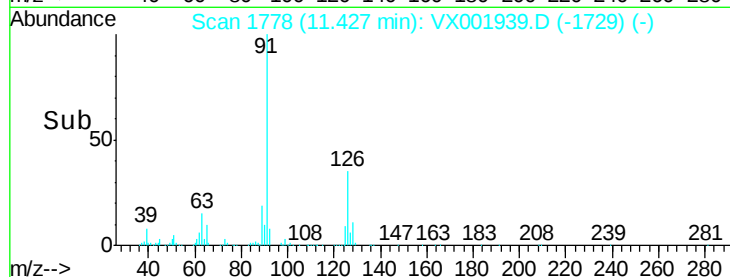
0

11.40

11.43

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 93.46 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Tgt Ion: 105 Resp: 1931701

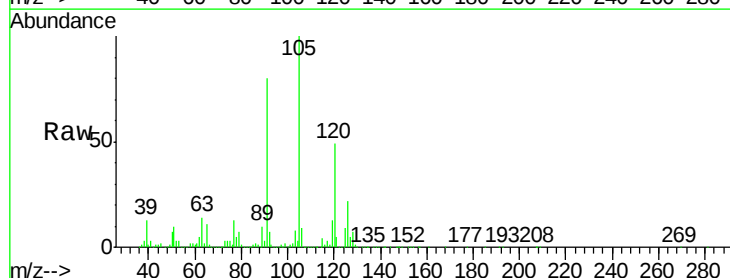
Ion Ratio Lower Upper

105 100

120 48.7

24.1

72.4



Abundance Ion 105.00 (104.70 to 105.70): VX001939.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX001939.D (-1743) (-)

1500000

1000000

500000

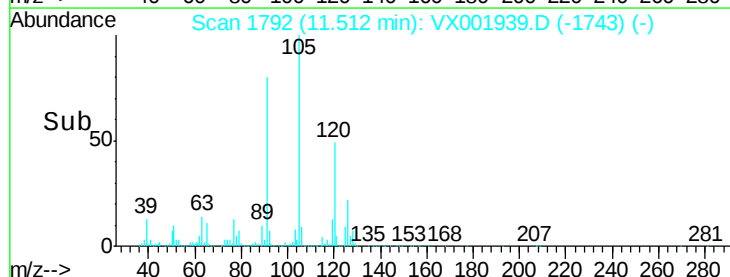
0

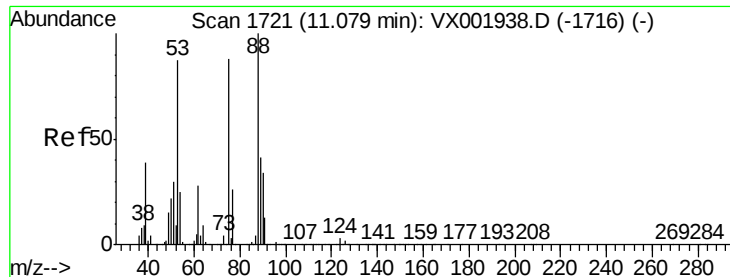
11.50

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 93.48 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 260818

Ion Ratio Lower Upper

75 100

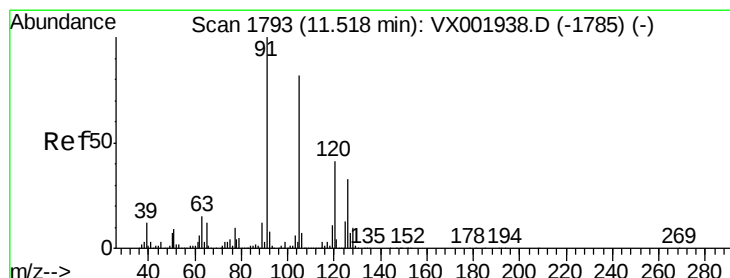
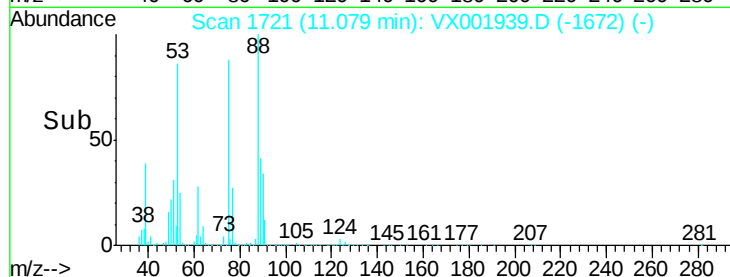
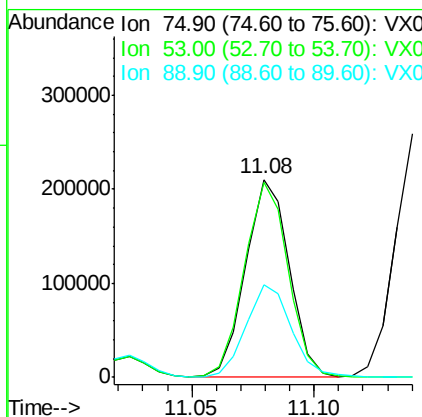
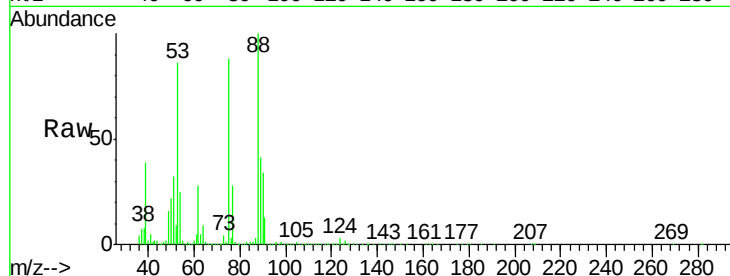
53 98.5 78.0 117.0

89 49.3 39.4 59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 93.90 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001939.D

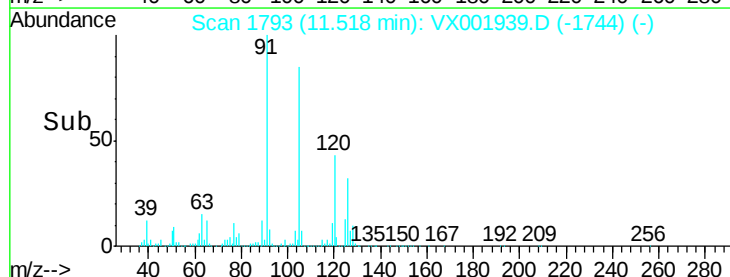
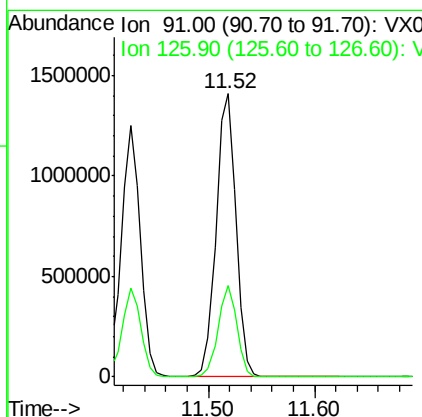
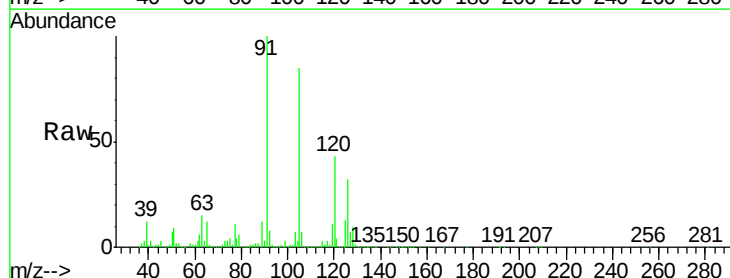
Acq: 24 May 2018 12:13

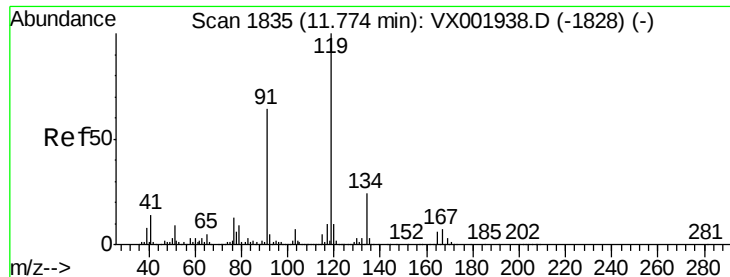
Tgt Ion: 91 Resp: 1805425

Ion Ratio Lower Upper

91 100

126 30.7 15.3 45.8





#83

tert-Butylbenzene

Concen: 96.14 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1928252

Ion Ratio Lower Upper

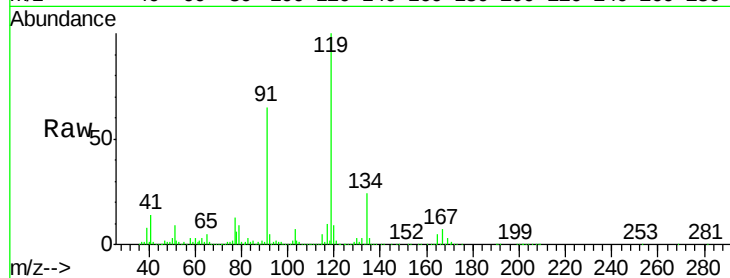
119 100

91 59.0 30.6 91.8

134 22.8 11.7 35.0

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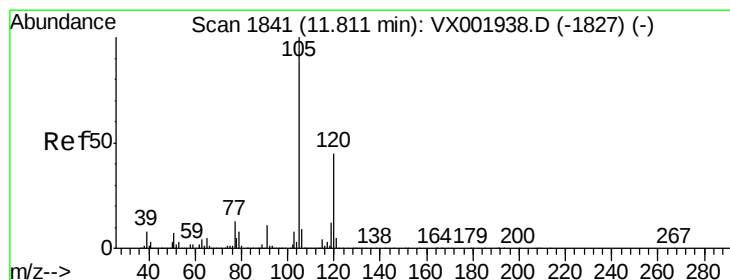
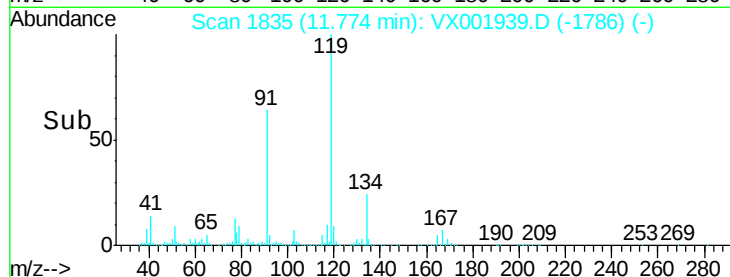
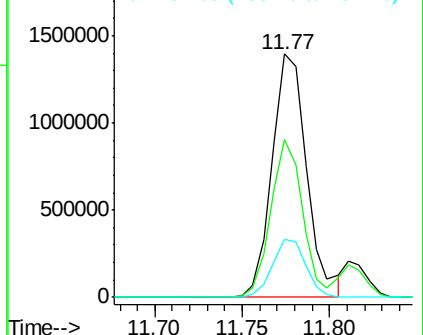
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 94.12 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001939.D

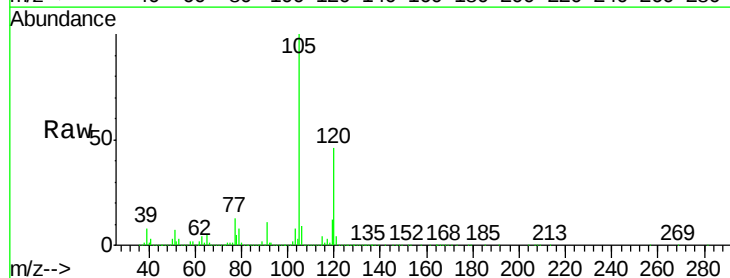
Acq: 24 May 2018 12:13

Tgt Ion:105 Resp: 1996556

Ion Ratio Lower Upper

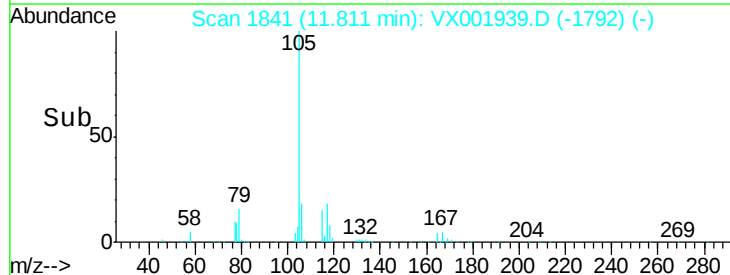
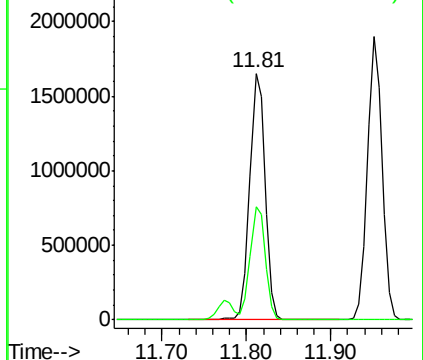
105 100

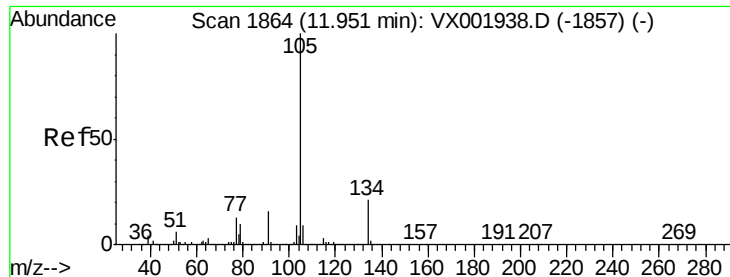
120 45.3 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 93.89 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2306891

Ion Ratio Lower Upper

105 100

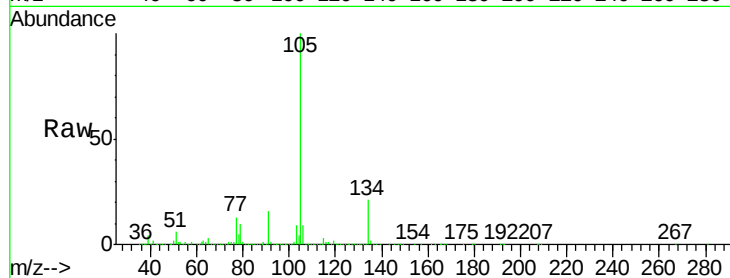
134 20.9 10.4 31.4

Manual Integrations

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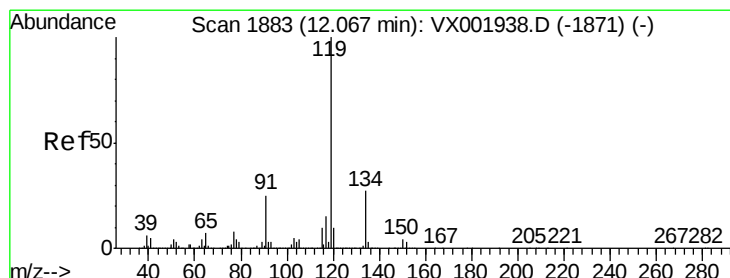
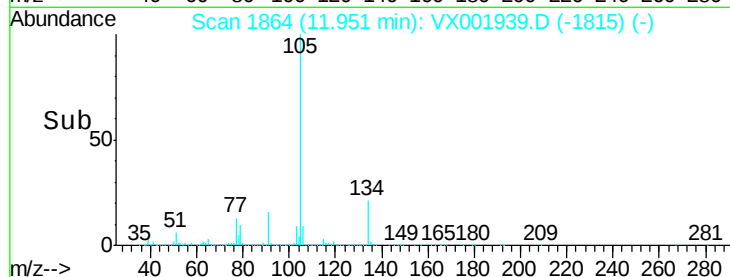
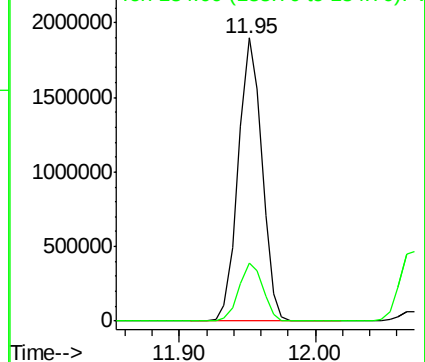
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 95.26 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

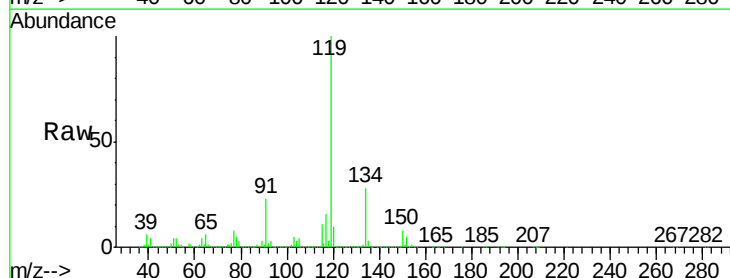
Tgt Ion:119 Resp: 2100922

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

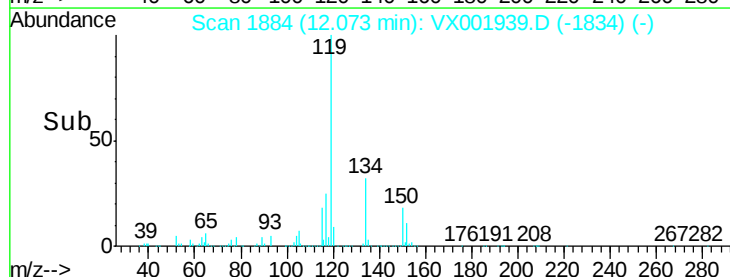
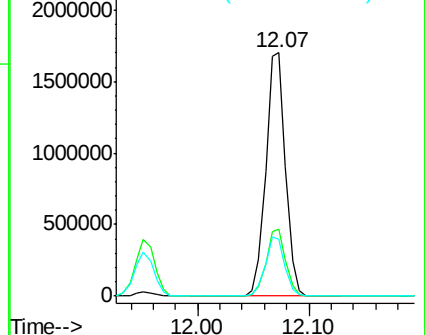
91 24.1 12.2 36.4

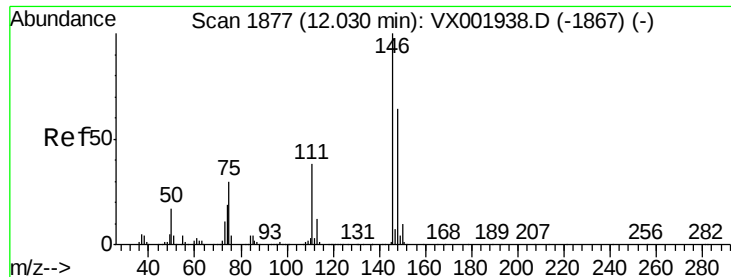


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





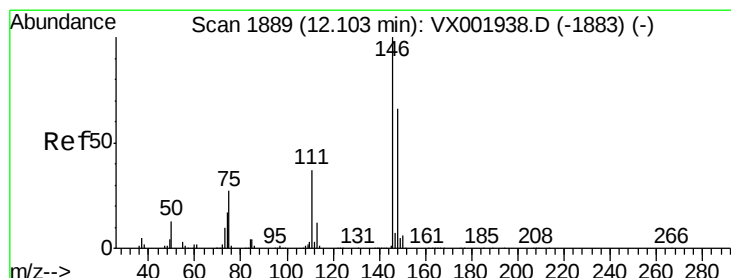
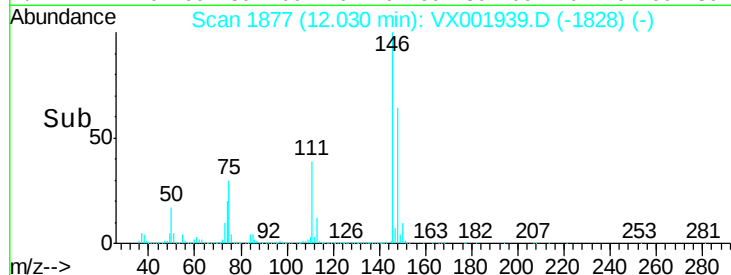
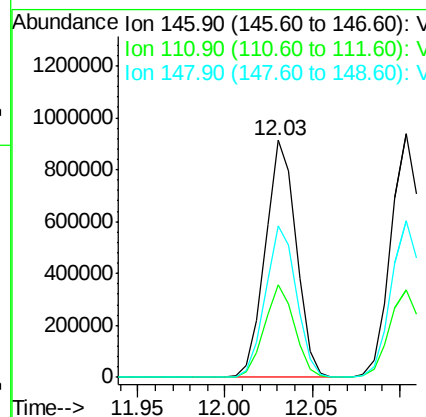
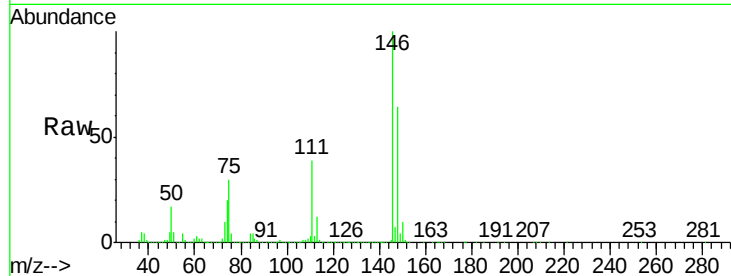
#87
 1,3-Dichlorobenzene
 Concen: 97.79 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	63.9	32.1	96.3

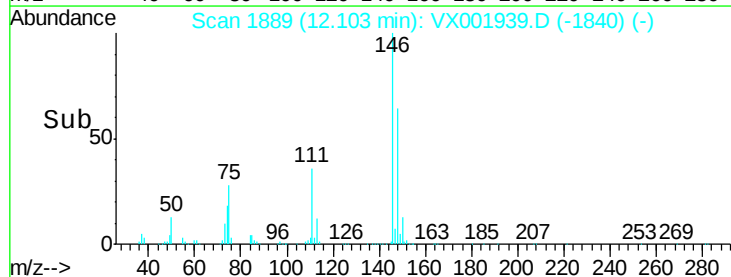
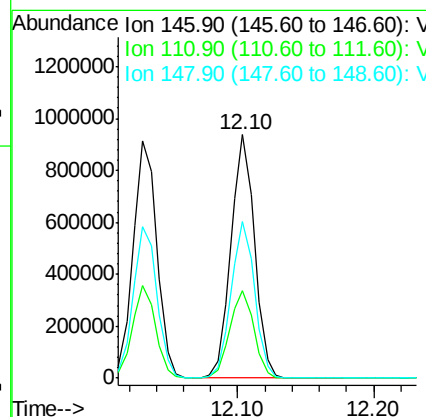
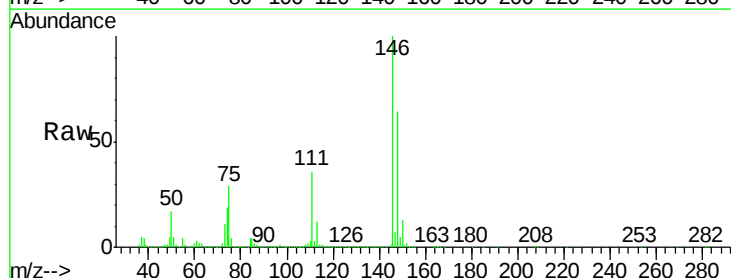
Manual Integrations
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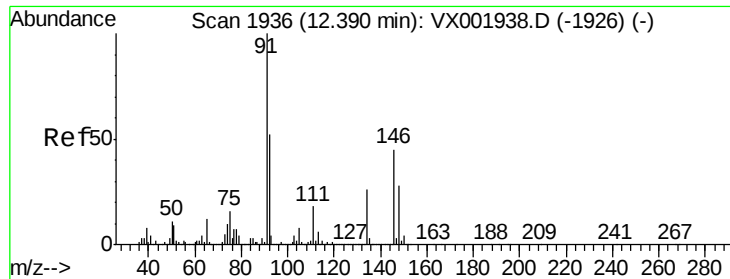
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#88
 1,4-Dichlorobenzene
 Concen: 97.24 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.5
148	64.3	32.3	96.8





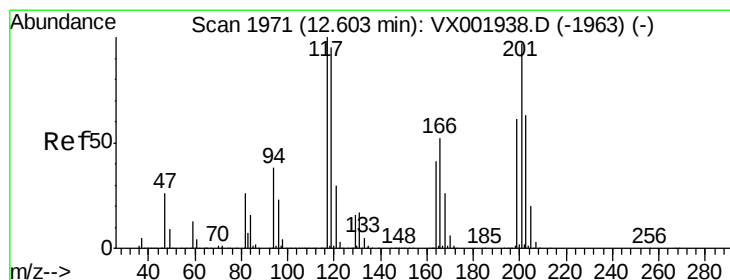
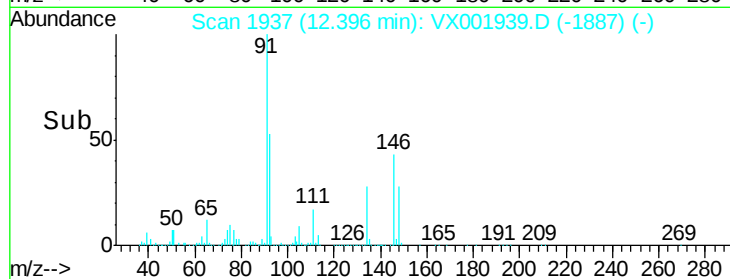
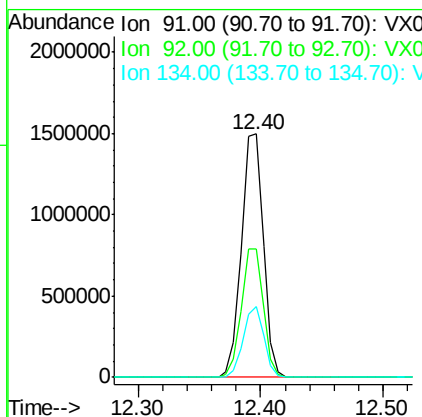
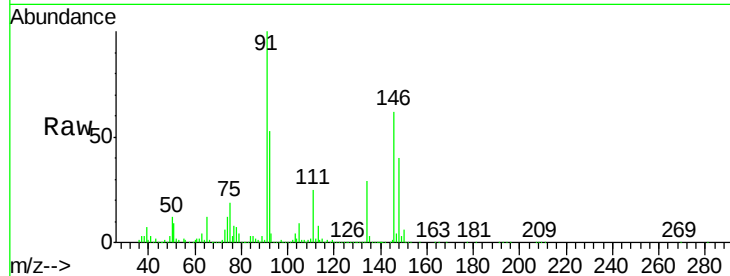
#89
n-Butylbenzene
Concen: 96.37 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	27.7	13.6	40.7

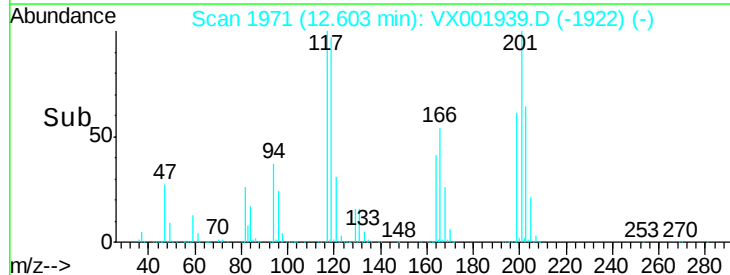
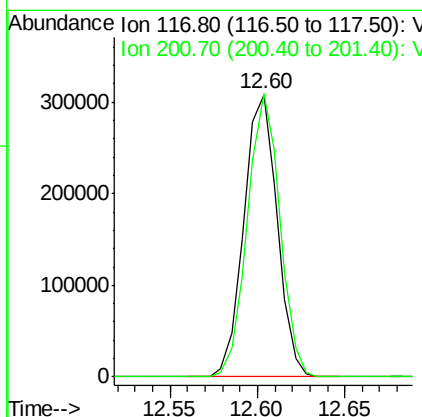
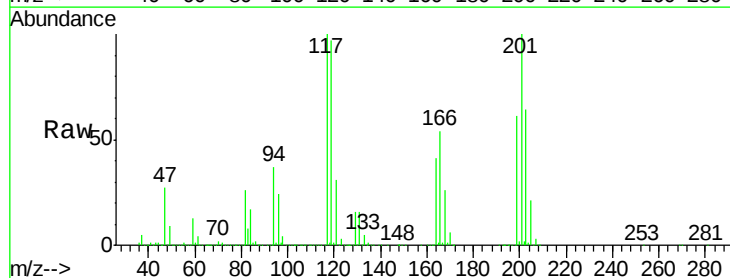
Manual Integrations
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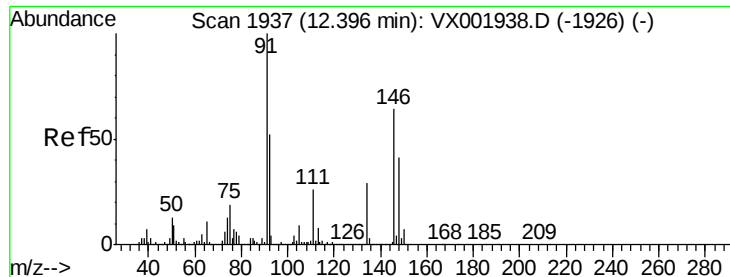
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#90
Hexachloroethane
Concen: 94.29 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001939.D
Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.9	48.0	144.0





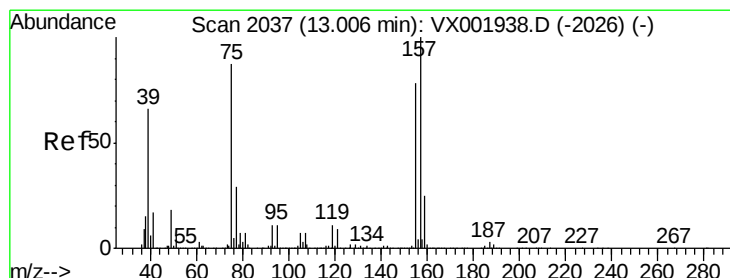
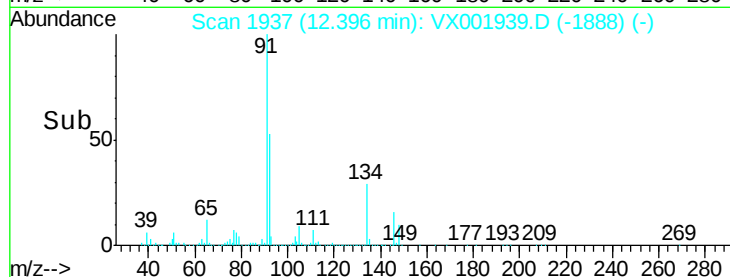
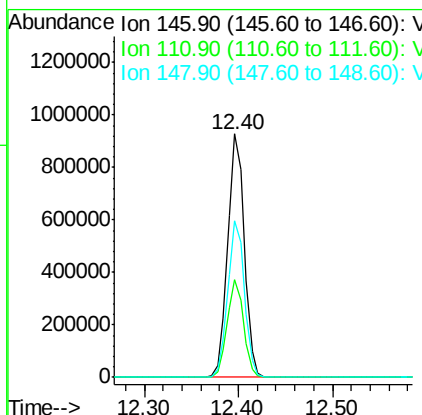
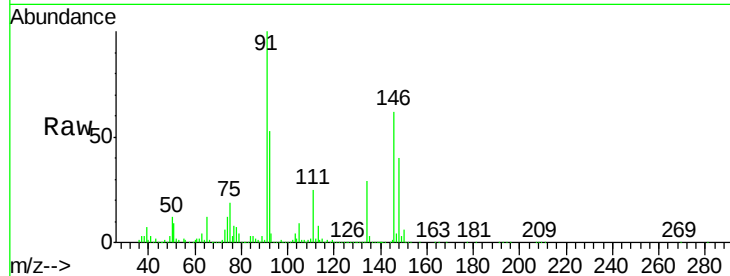
#91
 1,2-Dichlorobenzene
 Concen: 96.13 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.5	32.1	96.5

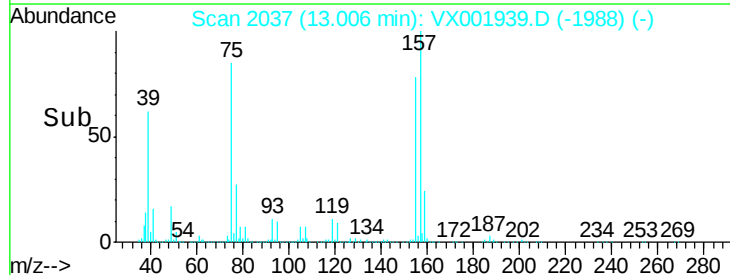
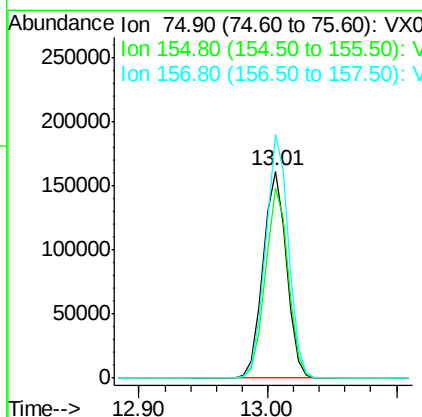
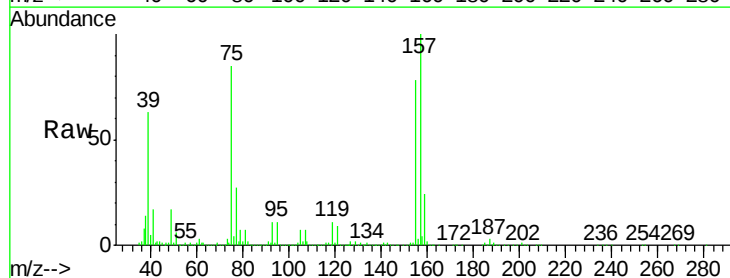
Manual Integrations
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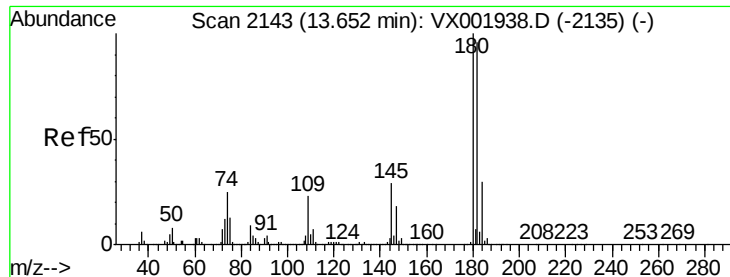
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 5/25/2018 2:25:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.45 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	45.1	135.2
157	116.1	58.1	174.2





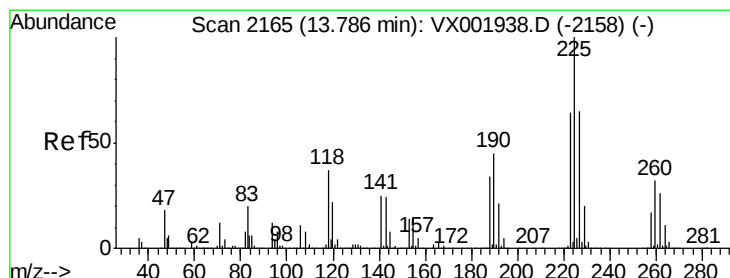
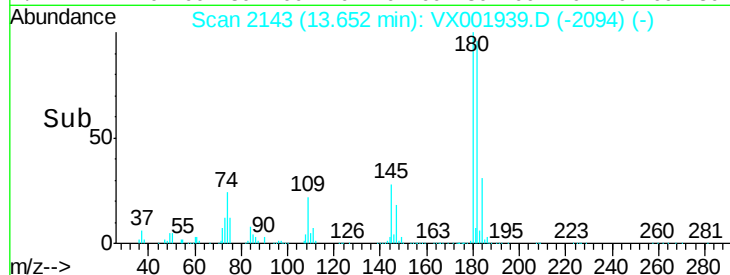
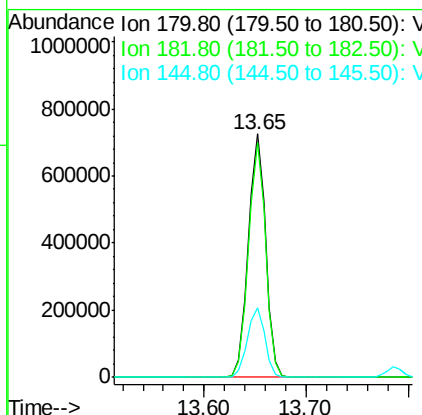
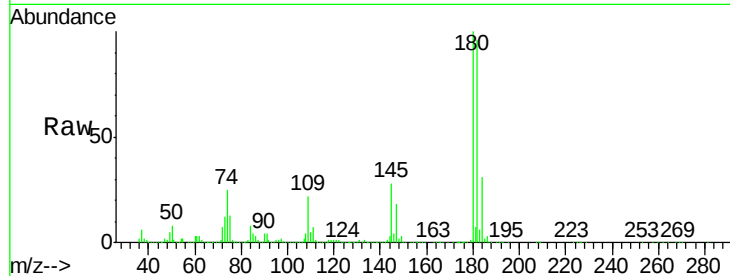
#93
 1,2,4-Trichlorobenzene
 Concen: 99.32 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	857520		
182	95.8	47.7	143.1	
145	28.9	14.4	43.0	

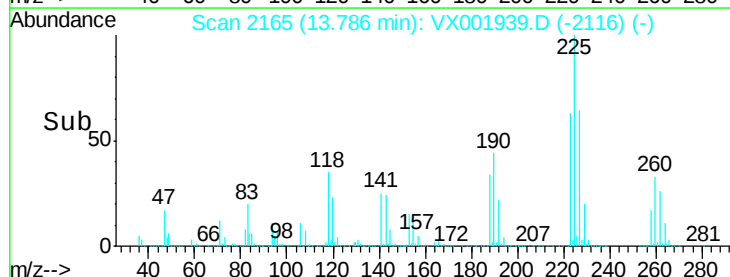
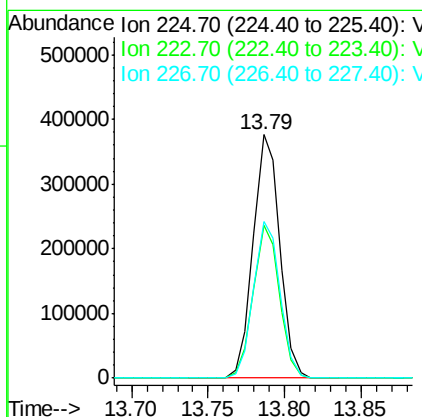
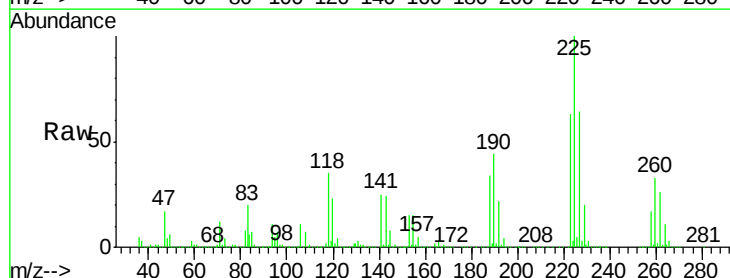
Manual Integrations
 APPROVED

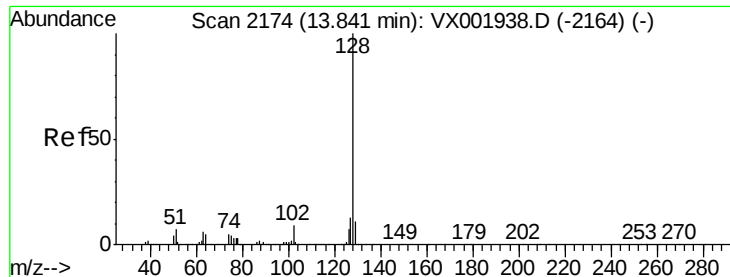
MMDadoda
 5/25/2018 2:25:52 PM



#94
 Hexachlorobutadiene
 Concen: 98.92 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001939.D
 Acq: 24 May 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	456225		
223	62.0	31.1	93.5	
227	64.1	32.1	96.5	





#95

Naphthalene

Concen: 94.87 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:128 Resp: 2512251

Ion Ratio Lower Upper

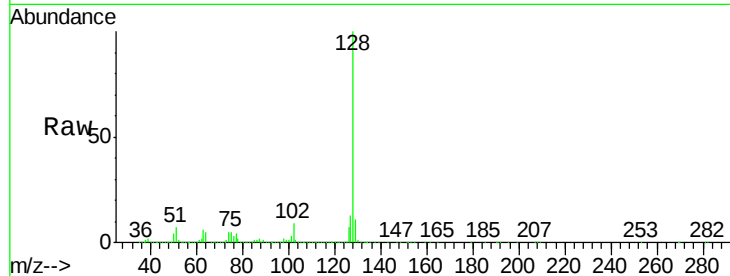
128 100

127 13.0 10.4 15.6

129 11.0 8.8 13.2

Manual Integrations
APPROVED

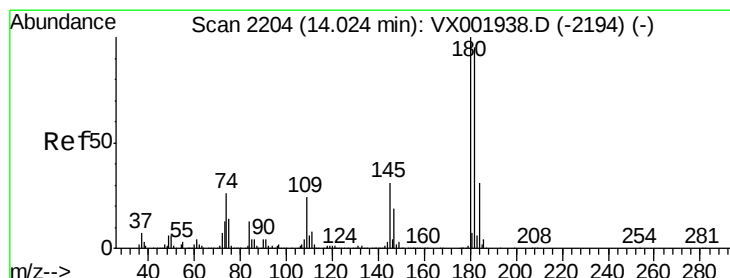
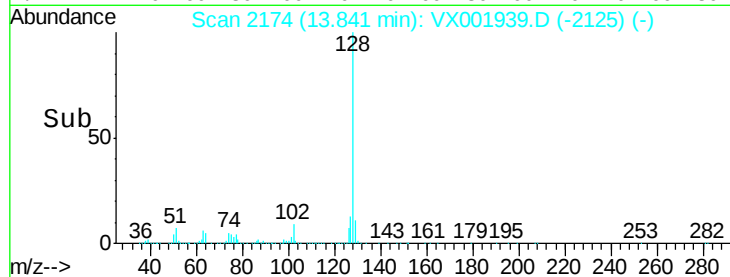
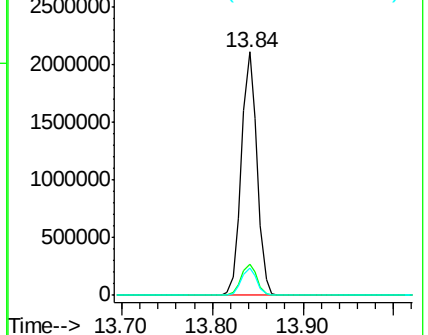
MMDadoda
5/25/2018 2:25:52 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 97.48 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001939.D

Acq: 24 May 2018 12:13

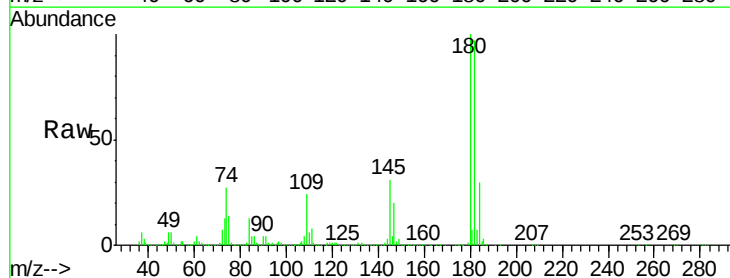
Tgt Ion:180 Resp: 864341

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.6

145 30.3 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

