

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005823.D
 Acq On : 07 Nov 2018 12:32
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:20 AM

Quant Time: Nov 07 14:11:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:01:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	124327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	182951	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	175764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	89068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	7686	4.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.46%	
35) Dibromofluoromethane	5.49	113	6015	4.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	9.50%	
50) Toluene-d8	8.71	98	21265	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
62) 4-Bromofluorobenzene	11.14	95	6823	4.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	5303	3.692	ug/l	88
3) Chloromethane	1.32	50	8216	4.850	ug/l	98
4) Vinyl Chloride	1.41	62	7363	4.178	ug/l	100
5) Bromomethane	1.64	94	4815	2.202	ug/l	100
6) Chloroethane	1.71	64	4698	3.671	ug/l	98
7) Trichlorofluoromethane	1.93	101	10393	4.594	ug/l	96
8) Diethyl Ether	2.19	74	4192	4.122	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6360	4.628	ug/l	97
10) Methyl Iodide	2.51	142	5563	4.536	ug/l	98
11) Tert butyl alcohol	3.07	59	11493	23.283	ug/l	97
12) 1,1-Dichloroethene	2.37	96	6144	4.588	ug/l	95
13) Acrolein	2.29	56	2449	7.560	ug/l	89
14) Allyl chloride	2.73	41	12999	4.695	ug/l	99
15) Acrylonitrile	3.15	53	22156	20.411	ug/l	97
16) Acetone	2.44	43	19070	18.419	ug/l	94
17) Carbon Disulfide	2.57	76	16967	4.123	ug/l	99
18) Methyl Acetate	2.78	43	12546	4.809	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	19564	4.221	ug/l	93
20) Methylene Chloride	2.85	84	7196	4.591	ug/l	84
21) trans-1,2-Dichloroethene	3.17	96	5924	4.181	ug/l	93
22) Diisopropyl ether	3.87	45	21576	4.201	ug/l #	95
23) Vinyl Acetate	3.82	43	91684	20.494	ug/l	97
24) 1,1-Dichloroethane	3.70	63	12489	4.300	ug/l	98
25) 2-Butanone	4.70	43	30422	19.841	ug/l	95
26) 2,2-Dichloropropane	4.59	77	8721	4.017	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	6677	4.194	ug/l	91
28) Bromochloromethane	5.01	49	5417	3.823	ug/l	97
29) Tetrahydrofuran	5.16	42	19161	20.474	ug/l	100
30) Chloroform	5.21	83	11935	4.203	ug/l	96
31) Cyclohexane	5.57	56	9850	4.056	ug/l #	86
32) 1,1,1-Trichloroethane	5.49	97	9935	4.372	ug/l	97
36) 1,1-Dichloropropene	5.79	75	8460	4.340	ug/l	97
37) Ethyl Acetate	4.85	43	10799	4.343	ug/l	98
38) Carbon Tetrachloride	5.78	117	8846	5.023	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	7855	3.864	ug/l	92
40) Benzene	6.14	78	25635	4.421	ug/l	96
41) Methacrylonitrile	5.06	41	5895	4.387	ug/l	97
42) 1,2-Dichloroethane	6.19	62	9246	4.314	ug/l	99
43) Isopropyl Acetate	6.46	43	15789	4.374	ug/l	100
44) Trichloroethene	7.22	130	6330	4.720	ug/l	85
45) 1,2-Dichloropropane	7.52	63	6140	4.132	ug/l	91
46) Dibromomethane	7.66	93	3881	4.087	ug/l	99
47) Bromodichloromethane	7.89	83	7203	4.043	ug/l #	88
48) Methyl methacrylate	7.77	41	6941	3.973	ug/l	98
49) 1,4-Dioxane	7.75	88	2863	73.600	ug/l #	89
51) 4-Methyl-2-Pentanone	8.65	43	50037	20.331	ug/l	98
52) Toluene	8.78	92	14776	4.711	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	8143	4.218	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	8523	4.121	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	6475	4.753	ug/l	92
56) Ethyl methacrylate	9.18	69	8594	4.176	ug/l	98
57) 1,3-Dichloropropane	9.37	76	10779	4.607	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	20568	17.685	ug/l	99
59) 2-Hexanone	9.49	43	44873	22.405	ug/l	89
60) Dibromochloromethane	9.58	129	6282	4.773	ug/l	99
61) 1,2-Dibromoethane	9.67	107	7123	5.132	ug/l	98
64) Tetrachloroethene	9.34	164	7479	5.824	ug/l	91
65) Chlorobenzene	10.13	112	17691	4.737	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	6303	4.930	ug/l	95
67) Ethyl Benzene	10.25	91	25794	4.047	ug/l	97
68) m/p-Xylenes	10.35	106	20486	8.649	ug/l	98
69) o-Xylene	10.70	106	9277	4.095	ug/l	90
70) Styrene	10.71	104	13345	3.547	ug/l	96
71) Bromoform	10.85	173	4753	4.588	ug/l #	94
73) Isopropylbenzene	11.02	105	24371	4.147	ug/l	100
74) N-amyl acetate	10.90	43	11499	3.676	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	9604	3.940	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	9385m	4.231	ug/l	
77) Bromobenzene	11.26	156	7478	5.130	ug/l	95
78) n-propylbenzene	11.36	91	30754	4.302	ug/l	95
79) 2-Chlorotoluene	11.42	91	18203	4.264	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	21155	4.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	2511	3.657	ug/l	90
82) 4-Chlorotoluene	11.51	91	21106	4.141	ug/l	100
83) tert-Butylbenzene	11.77	119	22790	4.787	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	23720	4.708	ug/l	97
85) sec-Butylbenzene	11.94	105	29607	4.848	ug/l	95
86) p-Isopropyltoluene	12.07	119	22867	4.403	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	15493	5.497	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	15447	5.102	ug/l	95
89) n-Butylbenzene	12.39	91	21072	4.021	ug/l	99
90) Hexachloroethane	12.60	117	3504	3.803	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	15176	5.154	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1946	3.403	ug/l	97

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MSVOA_X
ClientSampleId :
VSTDICC005

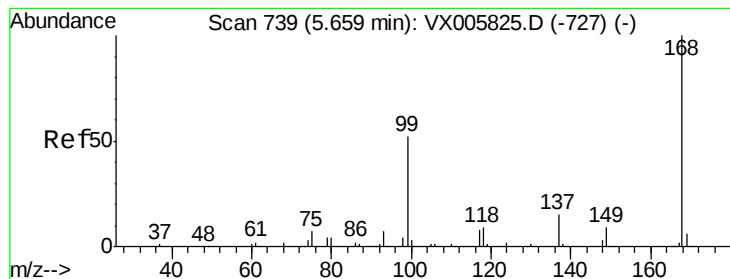
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	8094	4.286	ug/l	97
94) Hexachlorobutadiene	13.79	225	4472	4.895	ug/l	99
95) Naphthalene	13.83	128	21787	3.508	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	8365	4.351	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 124327

Ion Ratio Lower Upper

168 100

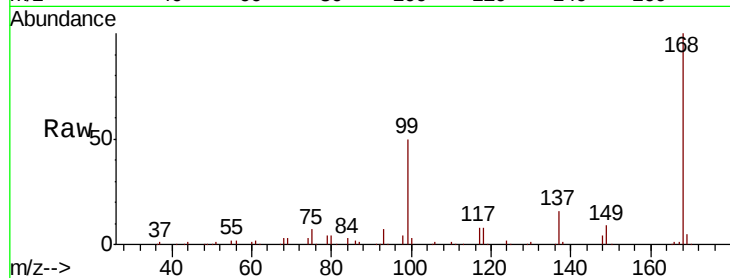
99 50.5 40.7 61.1

Manual Integrations

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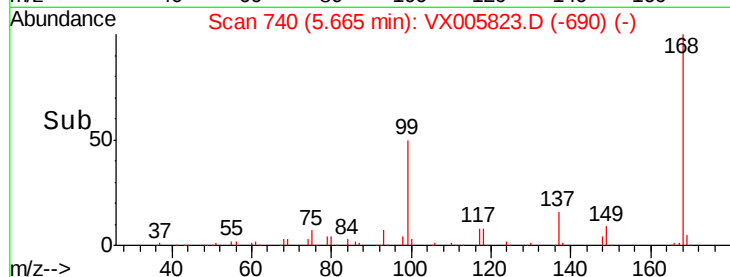


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

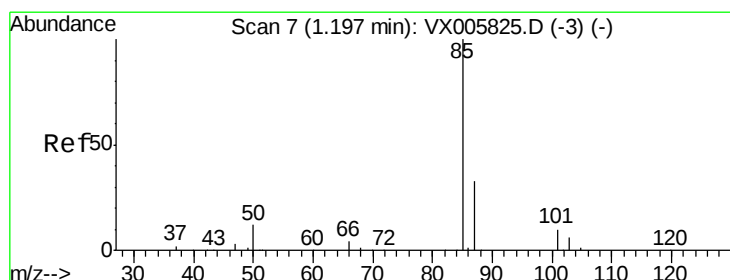
5.67

Time-->



5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 3.692 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005823.D

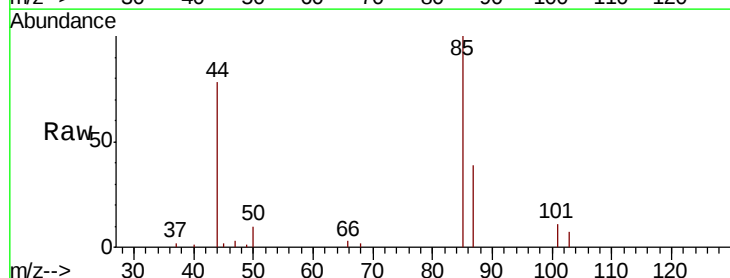
Acq: 07 Nov 2018 12:32

Tgt Ion: 85 Resp: 5303

Ion Ratio Lower Upper

85 100

87 39.3 16.3 48.9

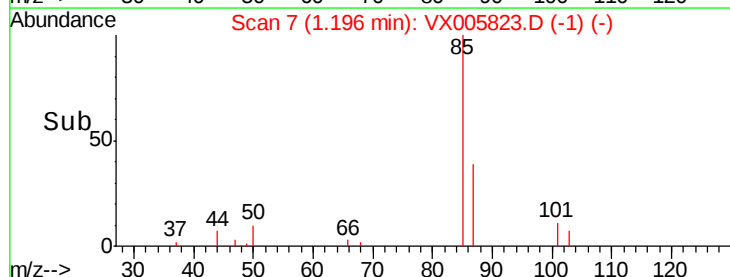


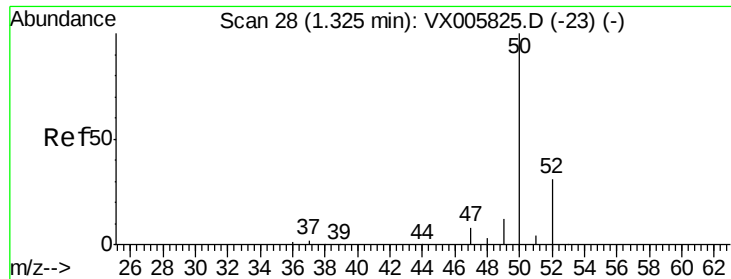
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 4.850 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8216

Ion Ratio Lower Upper

50 100

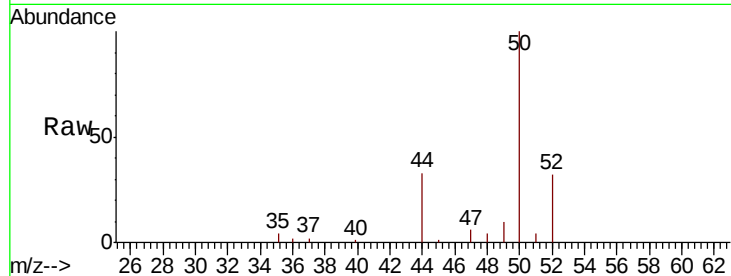
52 31.5 26.2 39.2

Manual Integrations

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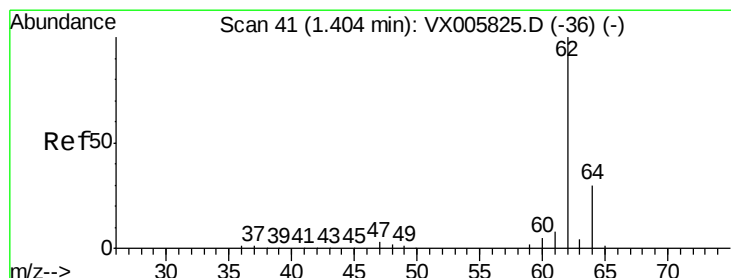
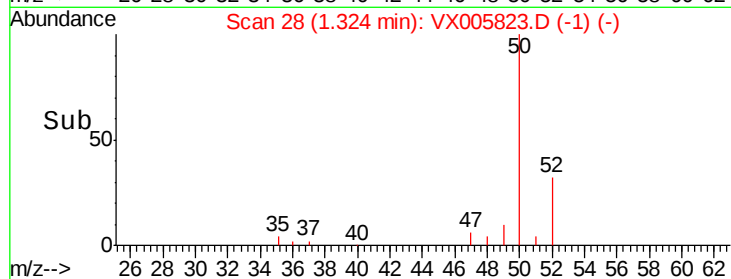
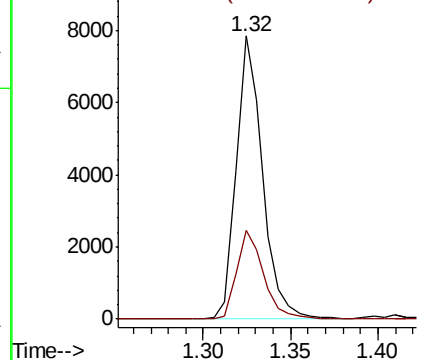
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.178 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005823.D

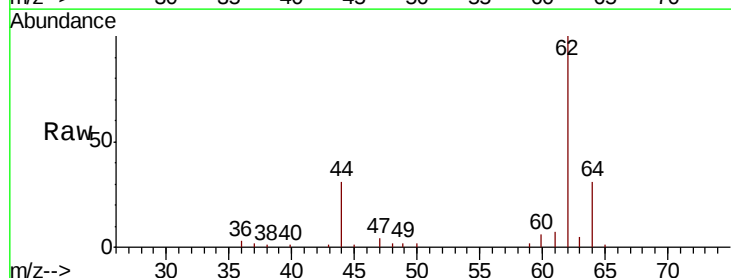
Acq: 07 Nov 2018 12:32

Tgt Ion: 62 Resp: 7363

Ion Ratio Lower Upper

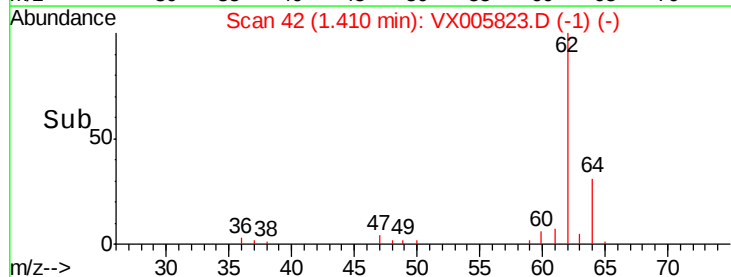
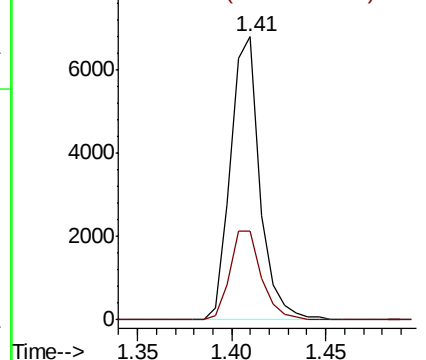
62 100

64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 2.202 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 4815

Ion Ratio Lower Upper

94 100

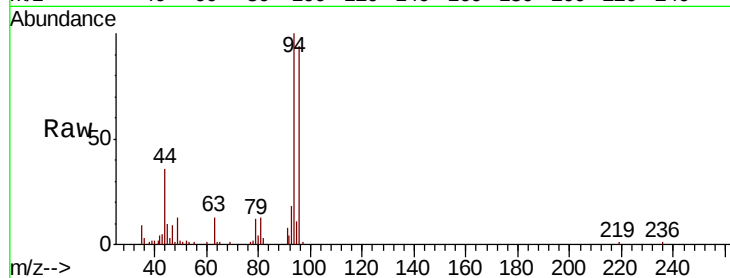
96 93.9 75.2 112.8

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

6000

5000

4000

3000

2000

1000

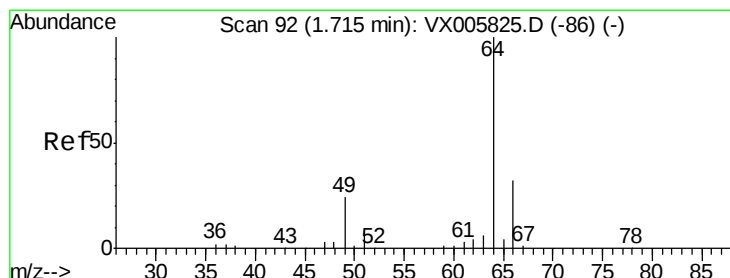
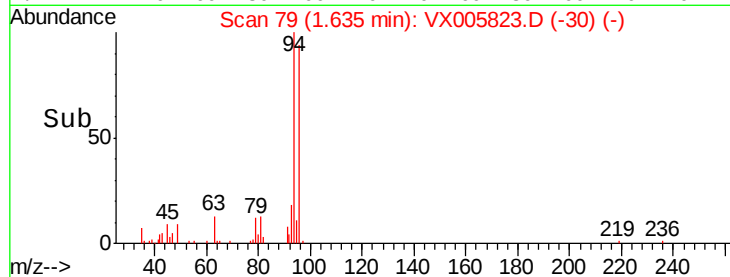
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 3.671 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005823.D

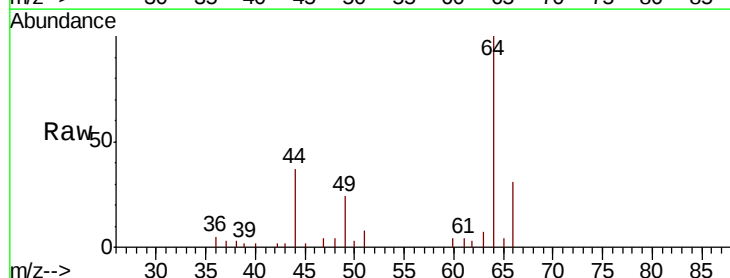
Acq: 07 Nov 2018 12:32

Tgt Ion: 64 Resp: 4698

Ion Ratio Lower Upper

64 100

66 31.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

4000

3000

2000

1000

0

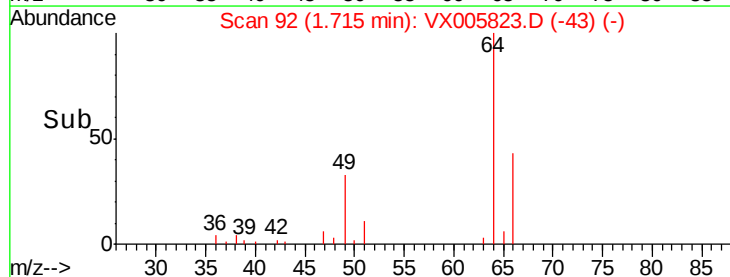
1.65

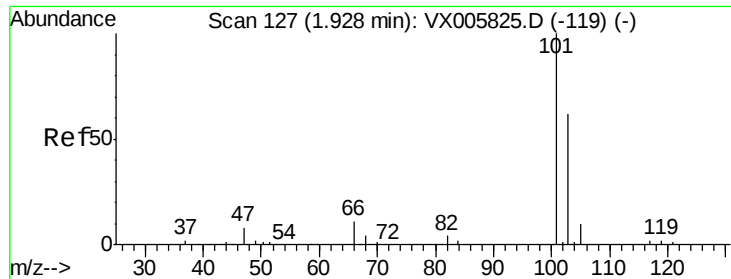
1.70

1.75

1.80

Time-->





#7

Trichlorofluoromethane

Concen: 4.594 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 10393

Ion Ratio Lower Upper

101 100

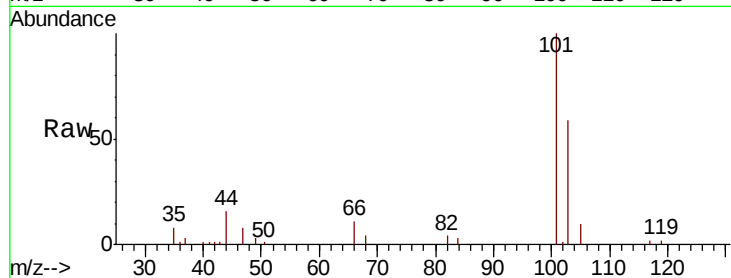
103 59.1 50.0 75.0

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

8000

6000

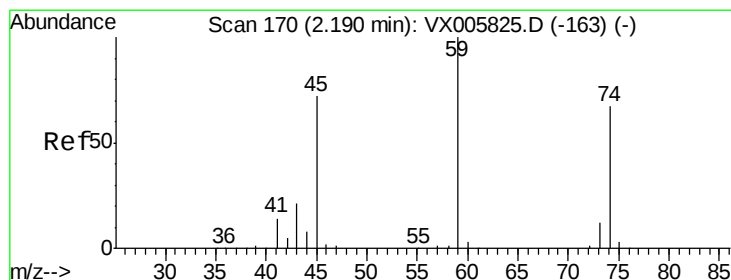
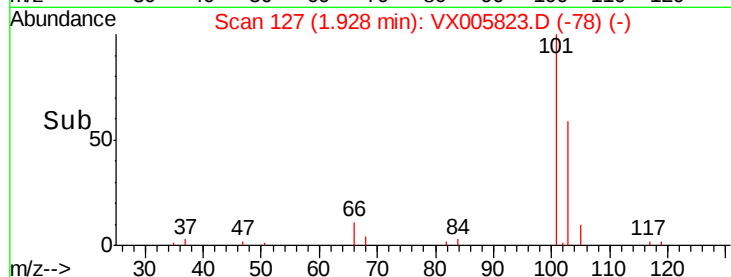
4000

2000

0

1.85 1.90 1.95 2.00

Time-->



#8

Diethyl Ether

Concen: 4.122 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005823.D

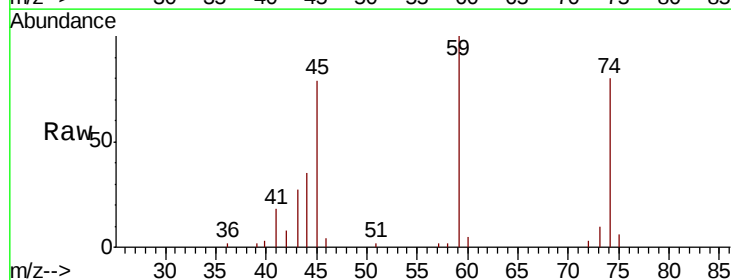
Acq: 07 Nov 2018 12:32

Tgt Ion: 74 Resp: 4192

Ion Ratio Lower Upper

74 100

45 100.6 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

3000

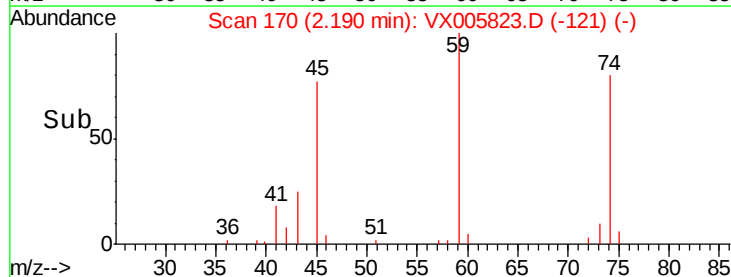
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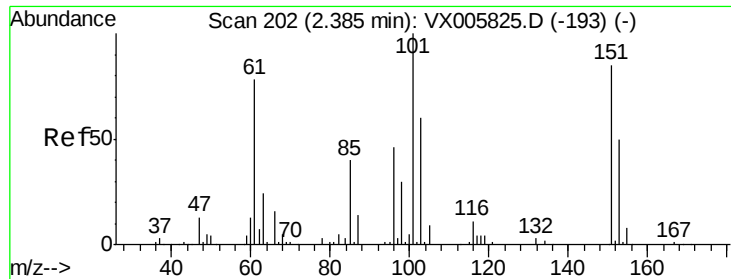
1000

0

2.15 2.20 2.25

Time-->





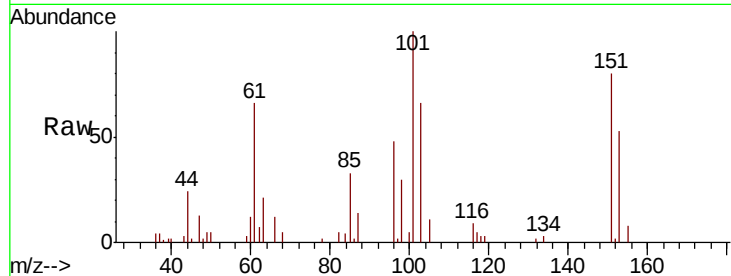
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.628 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	39.3	35.0	52.4
151	82.9	66.2	99.2

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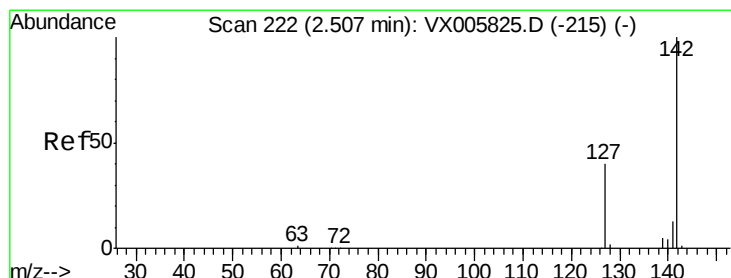
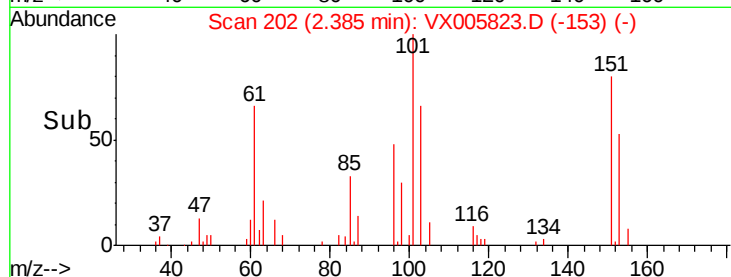
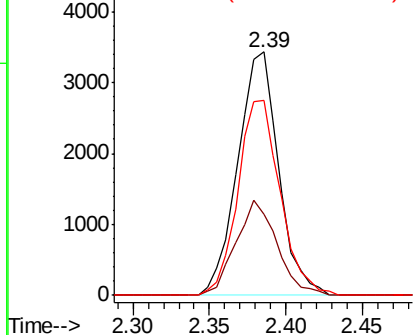


Abundance

Ion 100.90 (100.60 to 101.60): V

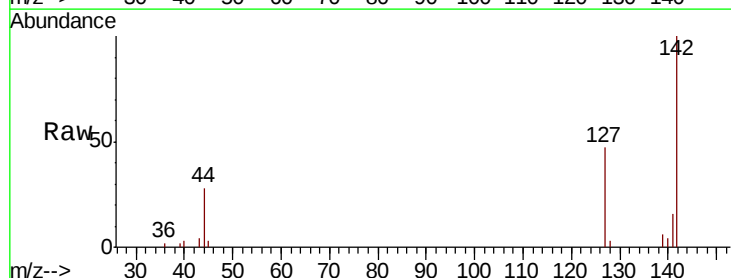
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 4.536 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.4	36.0	54.0
141	15.5	11.7	17.5

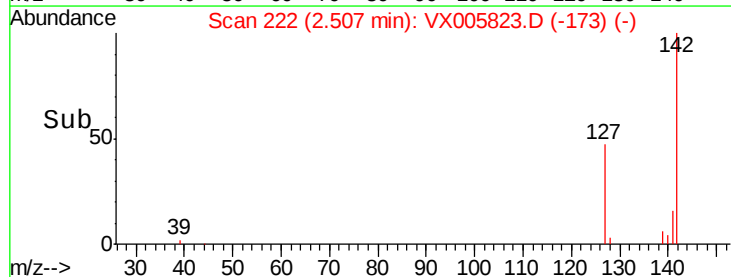
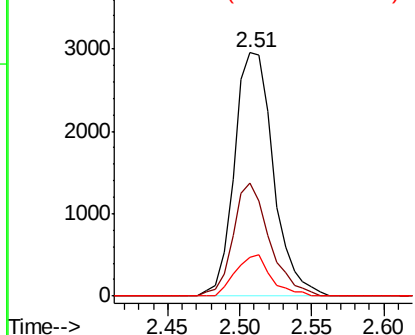


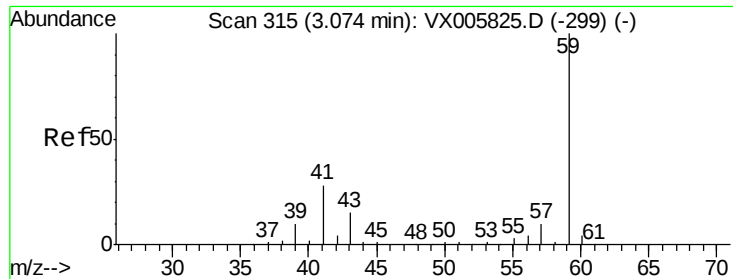
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

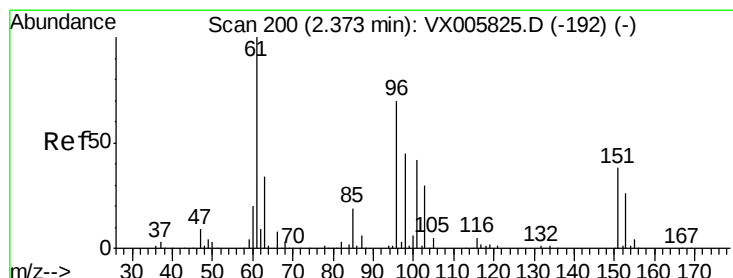
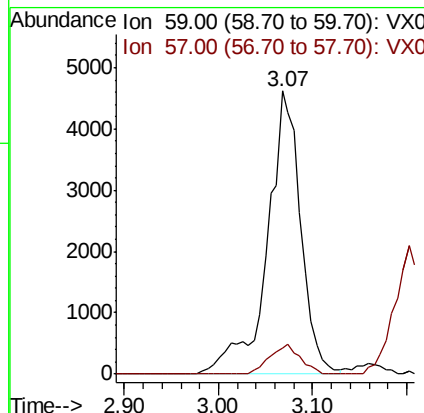
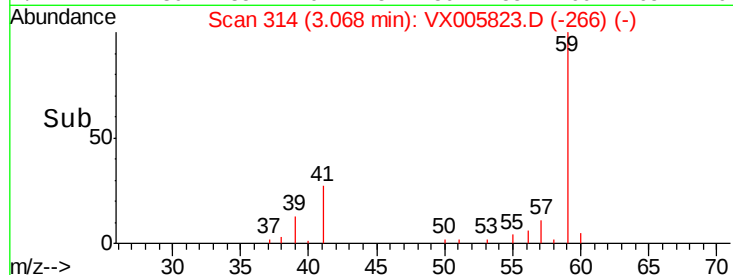
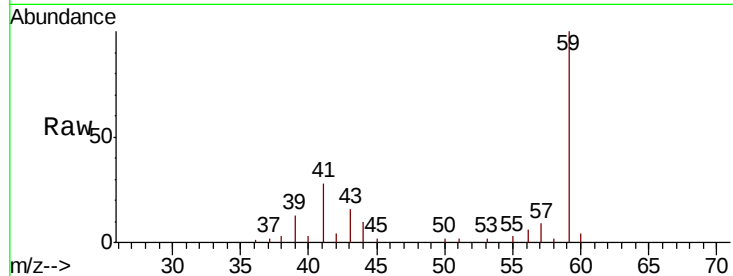
Tert butyl alcohol
Concen: 23.283 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	59.00	Resp	11493
Ion Ratio	100	Lower	Upper
59	100		
57	9.5	8.5	12.7

Manual Integrations
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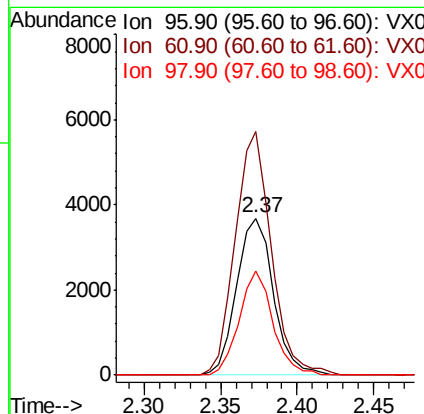
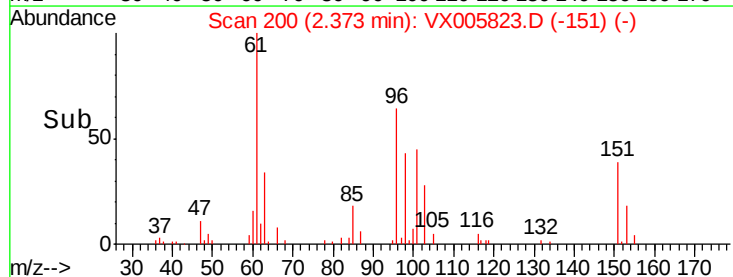
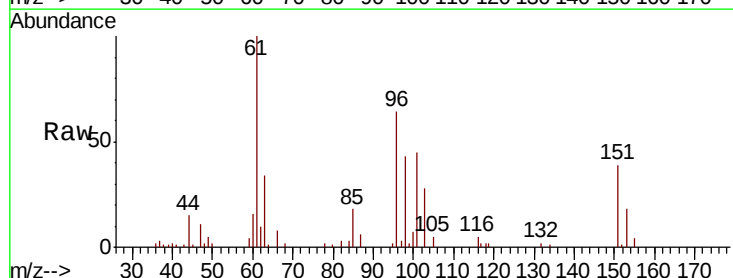
MMDadoda
11/8/2018 10:35:20 AM

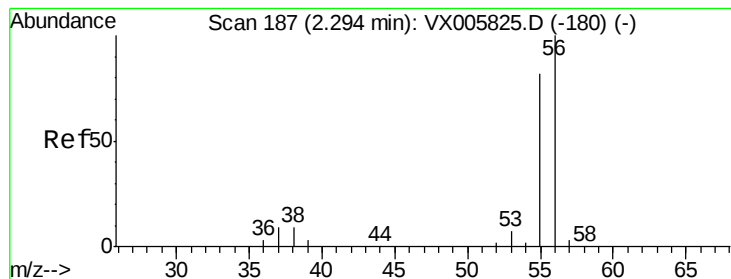


#12

1,1-Dichloroethene
Concen: 4.588 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	96	Resp	6144
Ion Ratio	100	Lower	Upper
96	100		
61	155.5	131.8	197.8
98	66.3	53.4	80.2





#13

Acrolein

Concen: 7.560 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2449

Ion Ratio Lower Upper

56 100

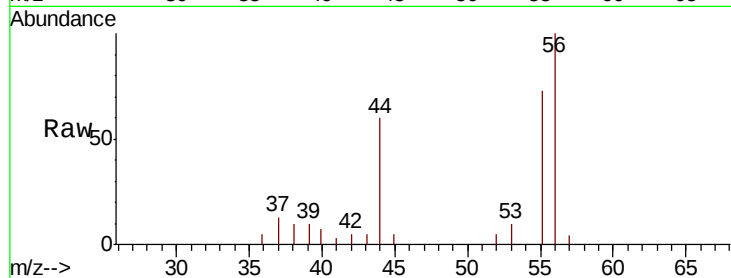
55 80.4 57.3 85.9

Manual Integrations

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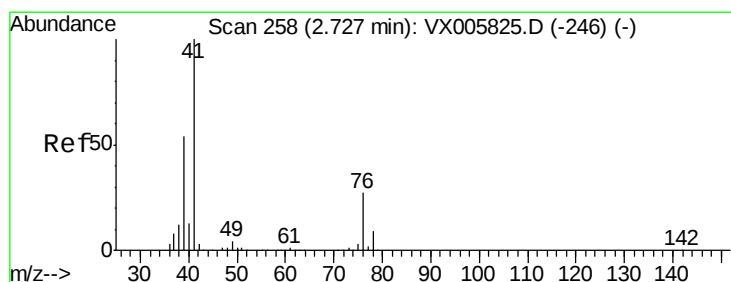
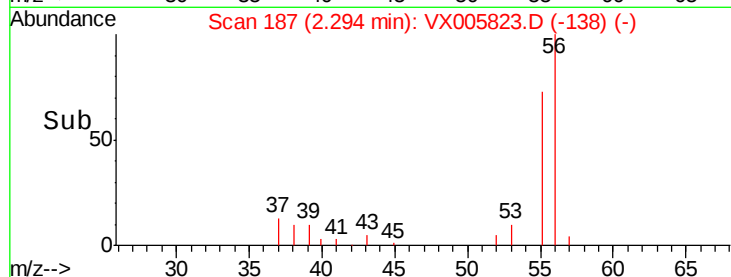
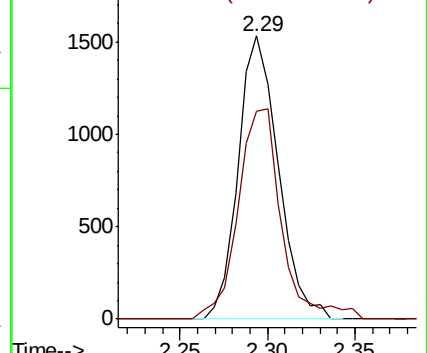
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 4.695 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

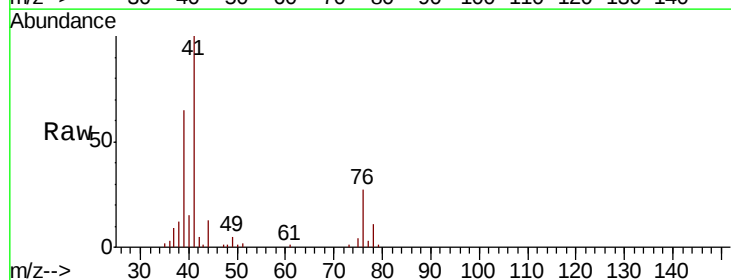
Tgt Ion: 41 Resp: 12999

Ion Ratio Lower Upper

41 100

39 59.7 48.2 72.4

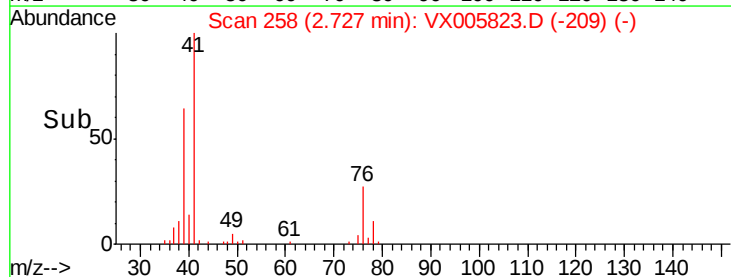
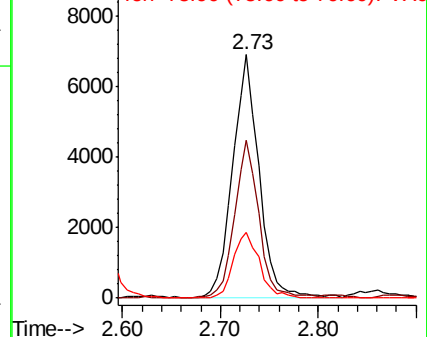
76 26.5 21.9 32.9

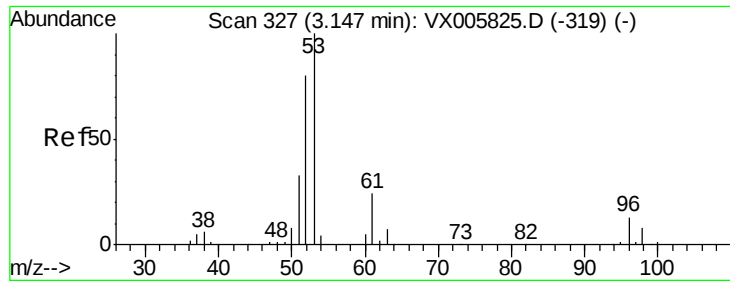


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 20.411 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

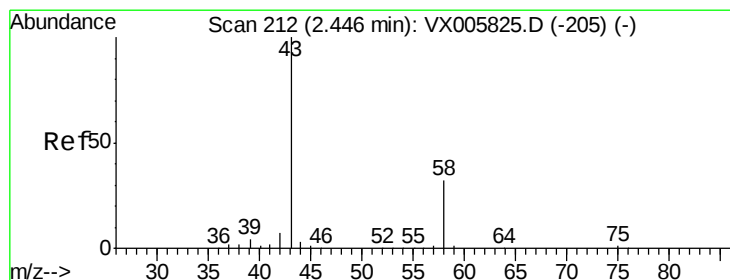
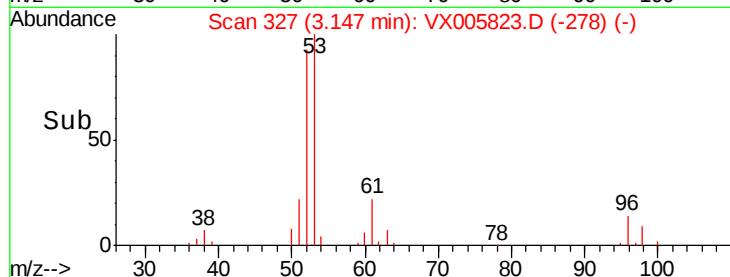
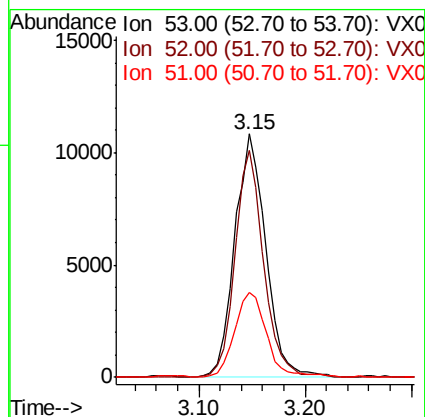
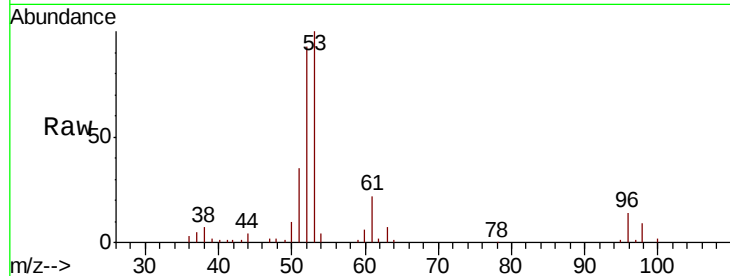
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	22156
Ion Ratio	Lower	Upper	
53	100		
52	86.1	66.6	99.8
51	36.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 18.419 ug/l

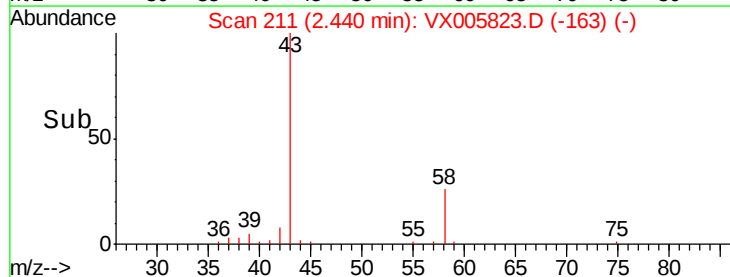
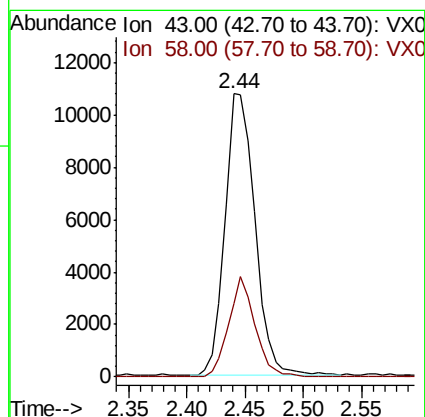
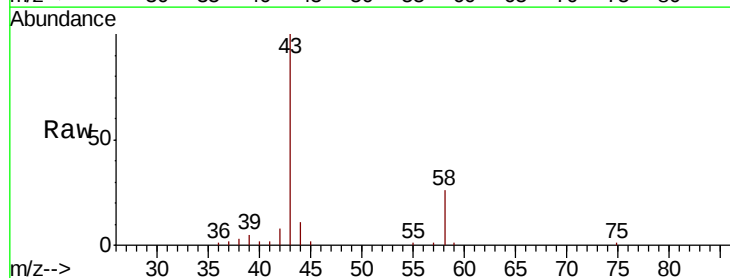
RT: 2.44 min Scan# 211

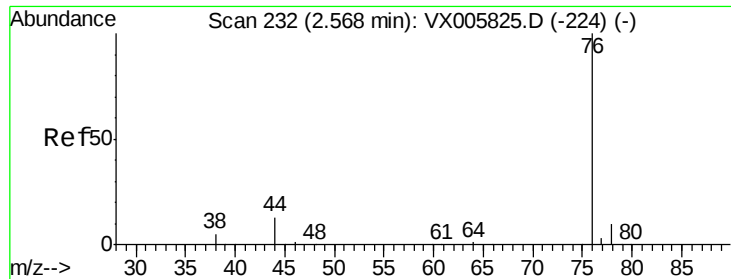
Delta R.T. -0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion:	43	Resp:	19070
Ion Ratio	Lower	Upper	
43	100		
58	26.3	23.8	35.6





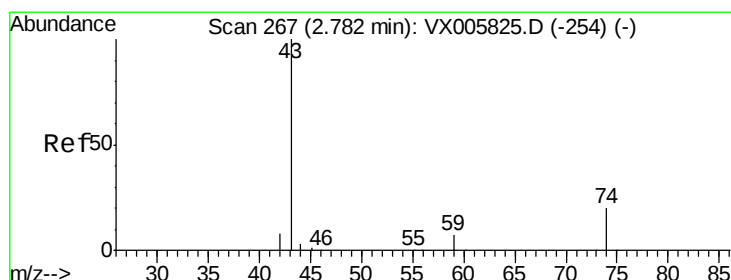
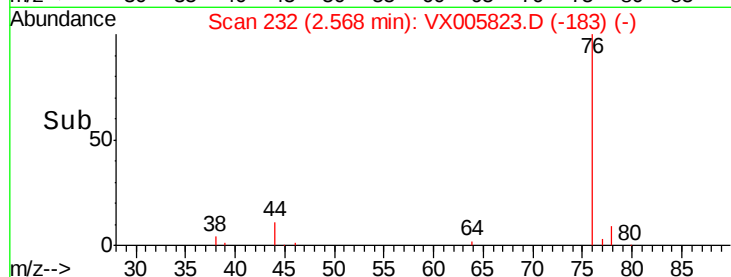
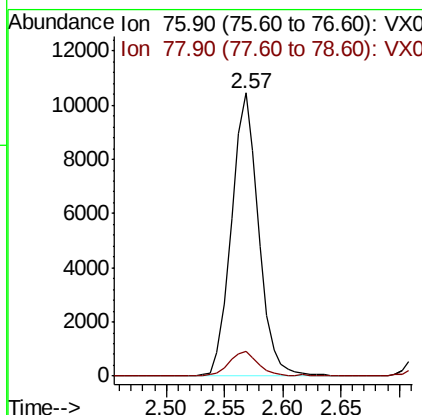
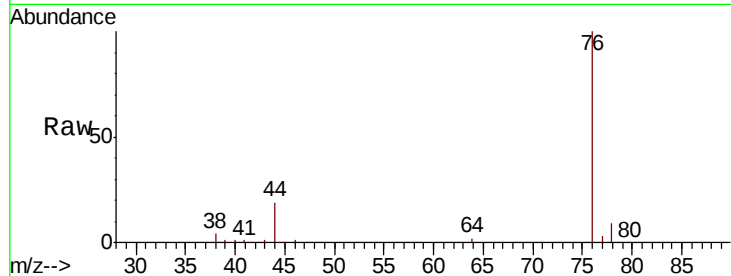
#17
Carbon Disulfide
Concen: 4.123 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

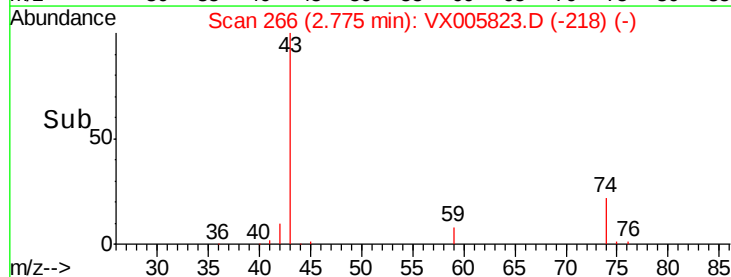
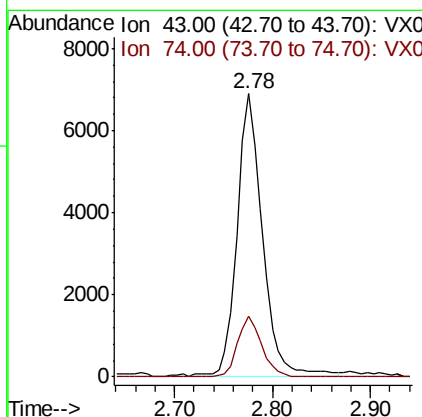
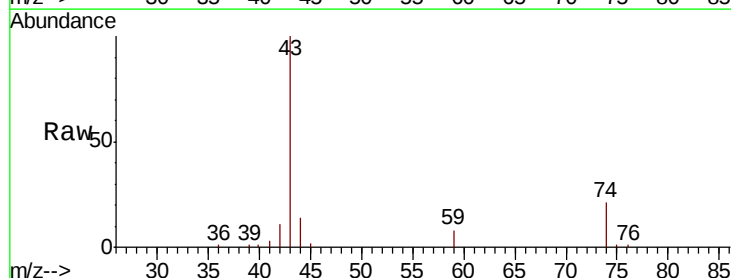
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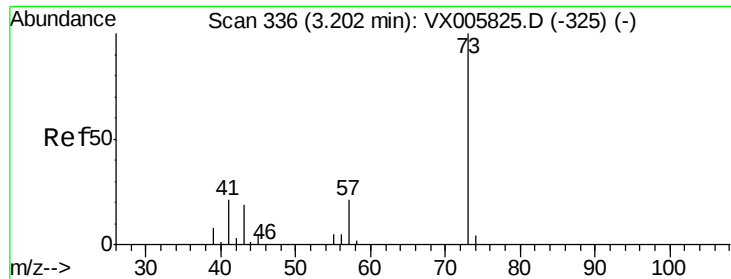
MMDadoda
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#18
Methyl Acetate
Concen: 4.809 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.8	25.2





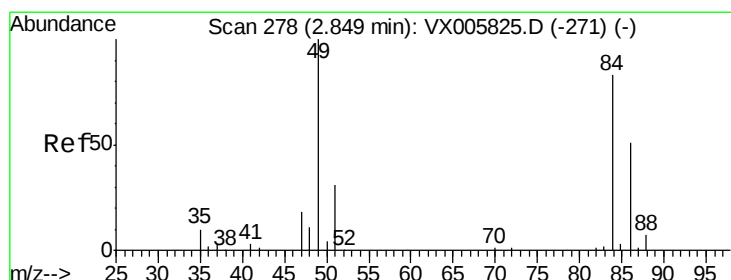
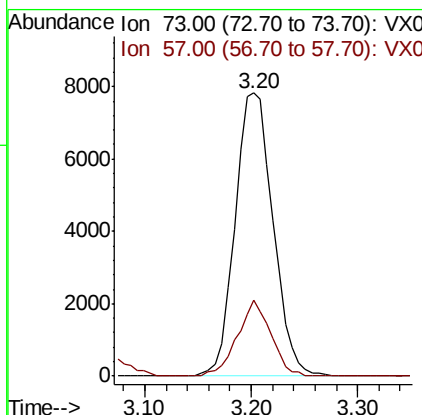
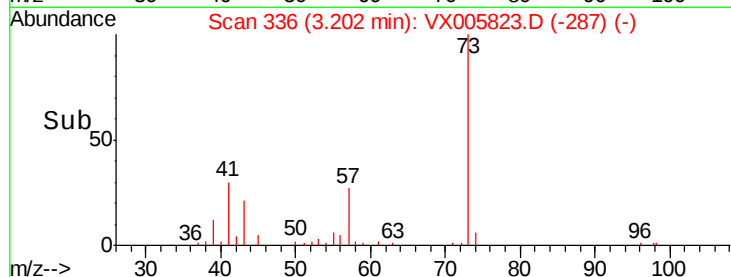
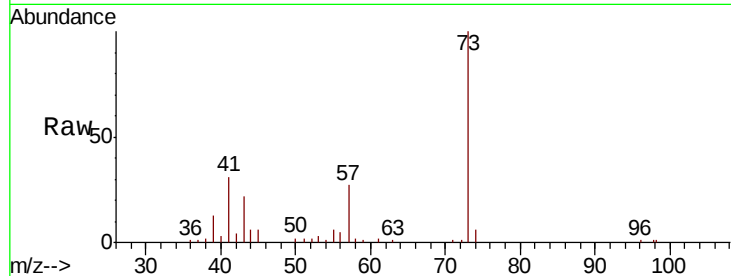
#19
Methvl tert-butvl Ether
Concen: 4.221 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 19564
Ion Ratio Lower Upper
73 100
57 26.7 18.8 28.2

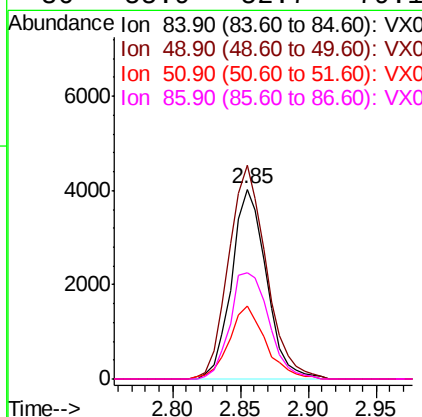
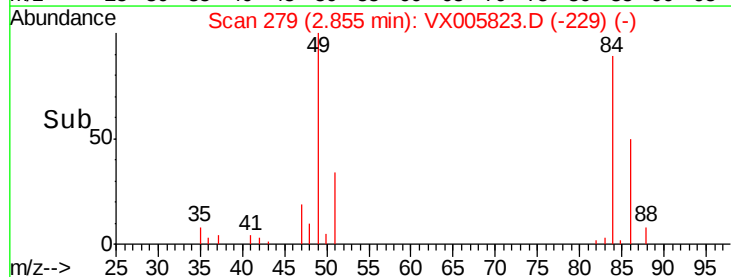
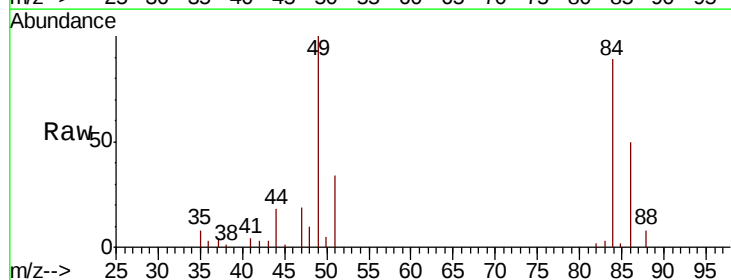
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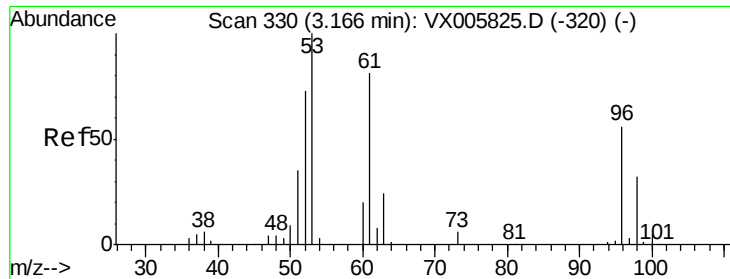
MMDadoda
11/8/2018 10:35:20 AM



#20
Methylene Chloride
Concen: 4.591 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion: 84 Resp: 7196
Ion Ratio Lower Upper
84 100
49 112.5 109.5 164.3
51 38.7 33.3 49.9
86 55.9 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 4.181 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 5924

Ion Ratio Lower Upper

96 100

61 134.5 115.6 173.4

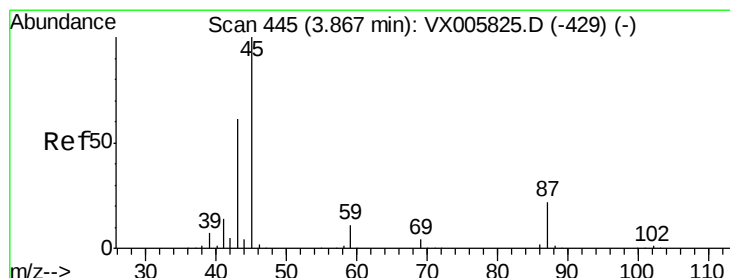
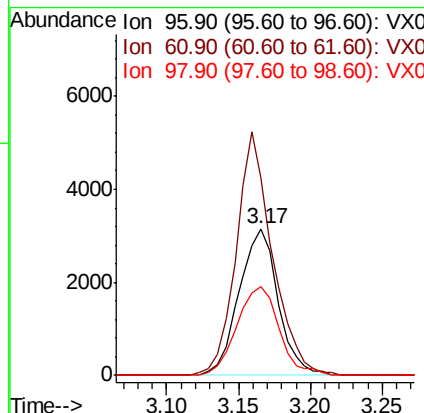
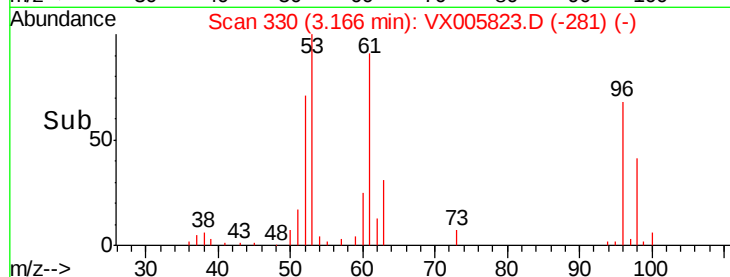
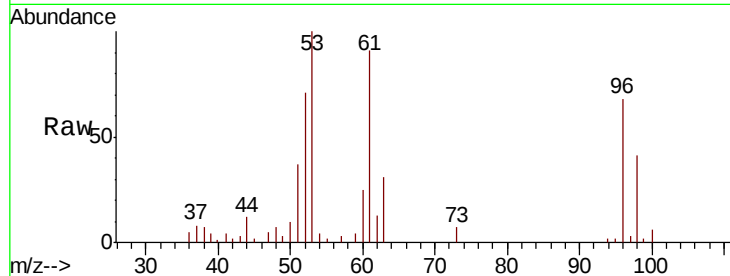
98 60.4 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 4.201 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion: 45 Resp: 21576

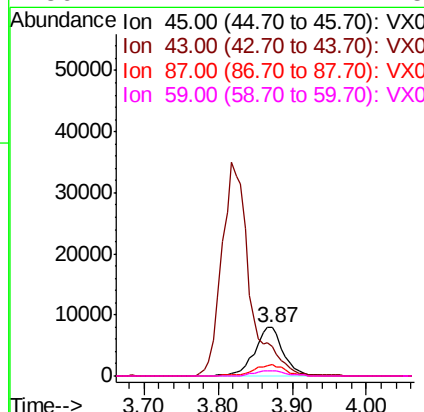
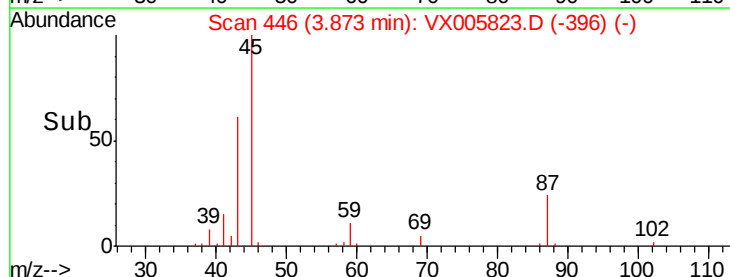
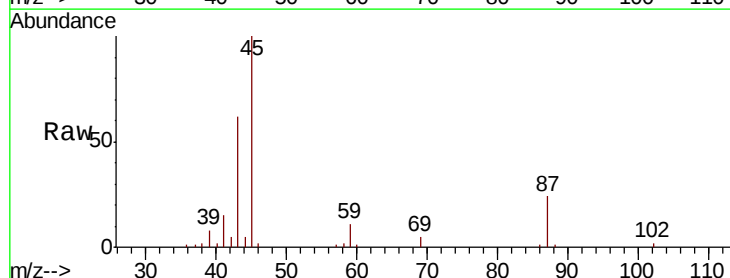
Ion Ratio Lower Upper

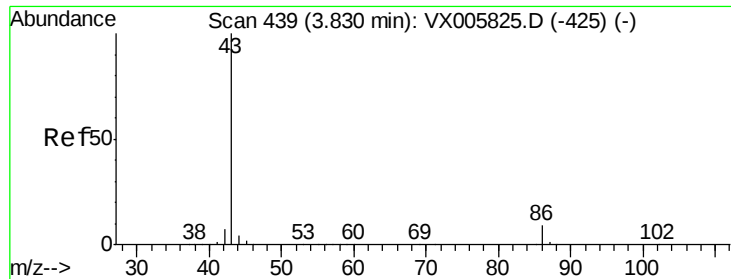
45 100

43 61.9 47.4 71.2

87 24.1 15.9 23.9#

59 11.1 7.7 11.5





#23

Vinyl Acetate

Concen: 20.494 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 91684

Ion Ratio Lower Upper

43 100

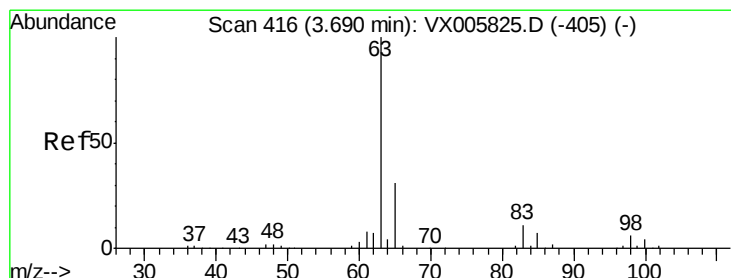
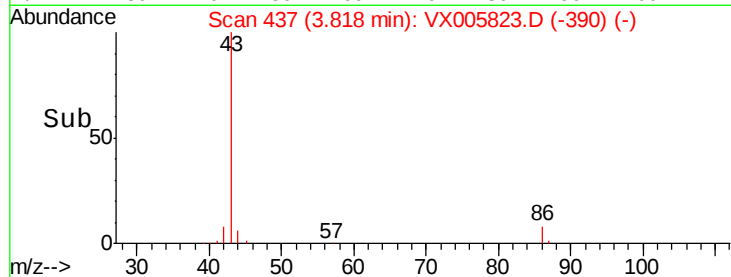
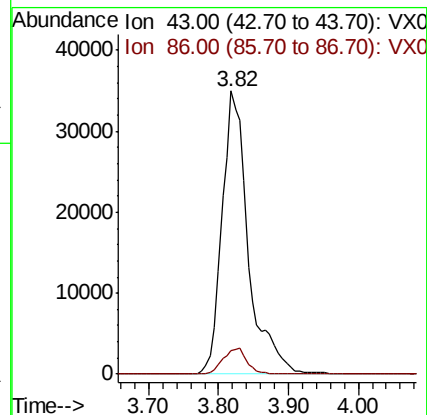
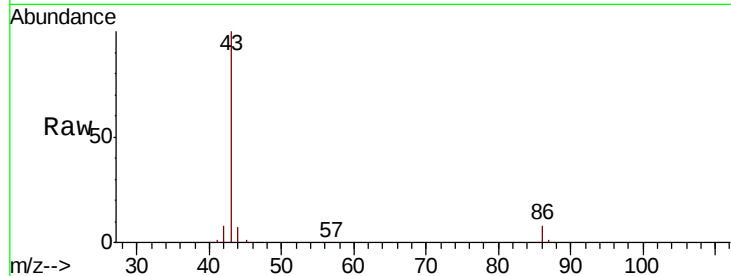
86 8.3 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.300 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

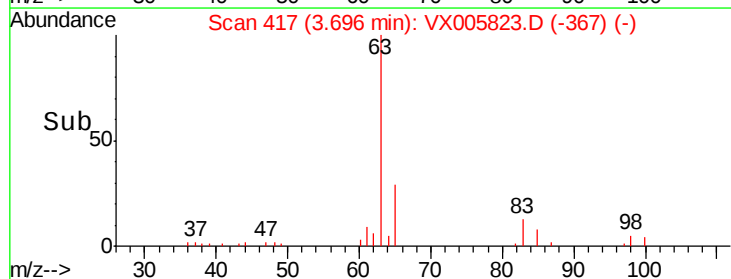
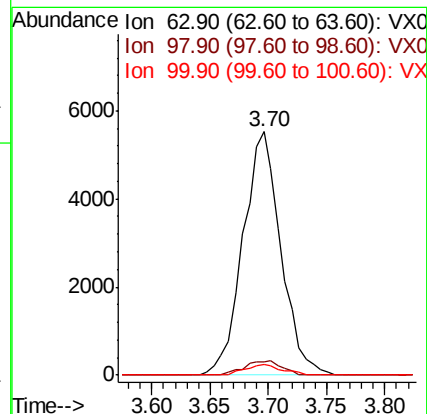
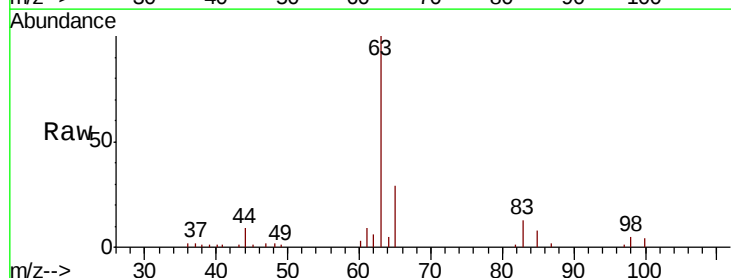
Tgt Ion: 63 Resp: 12489

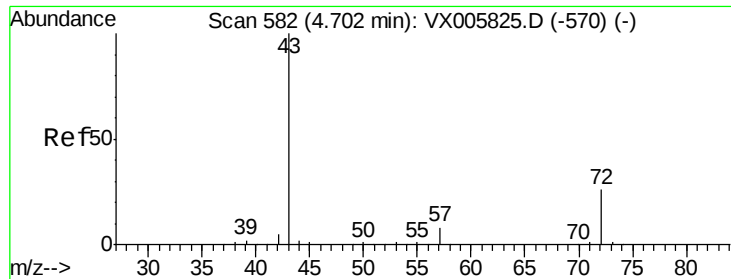
Ion Ratio Lower Upper

63 100

98 5.3 3.2 9.6

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 19.841 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 30422

Ion Ratio Lower Upper

43 100

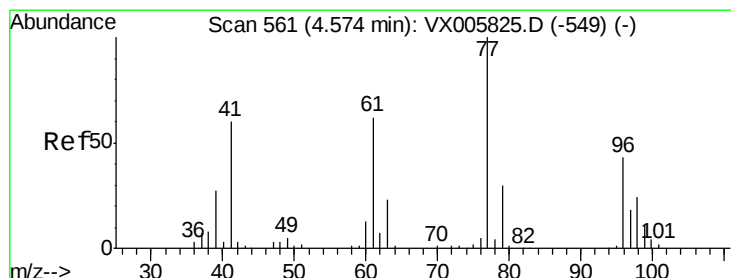
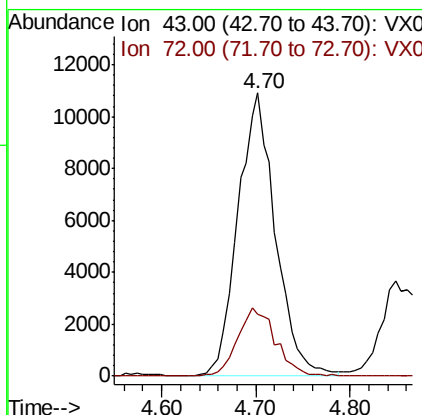
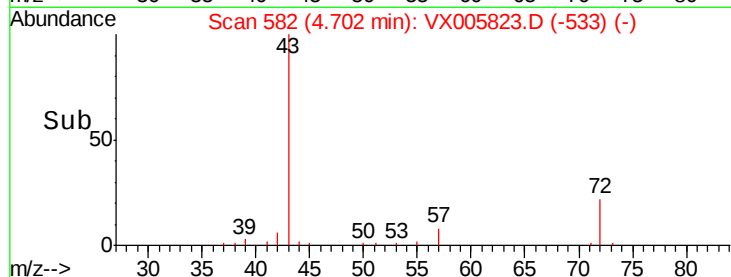
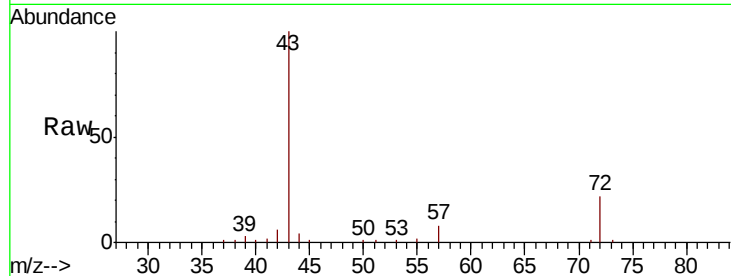
72 21.7 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.017 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.02 min

Lab File: VX005823.D

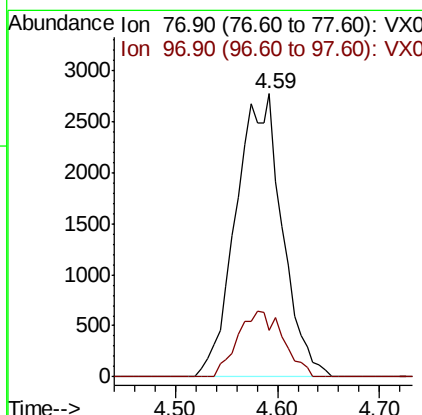
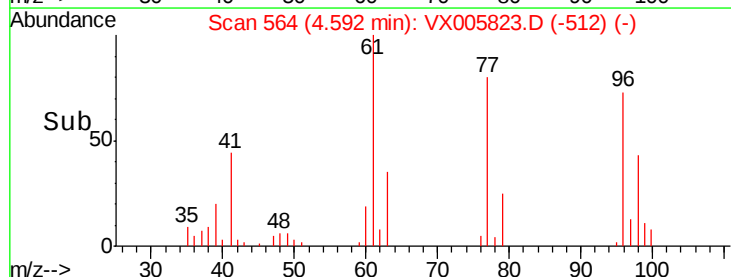
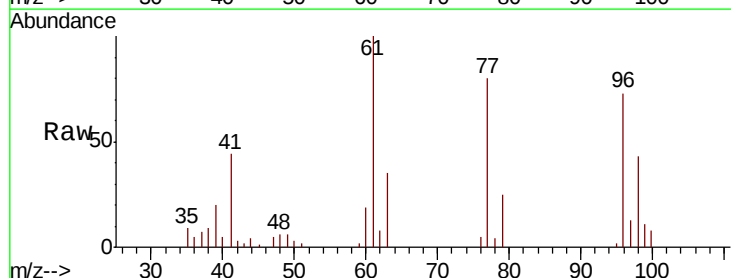
Acq: 07 Nov 2018 12:32

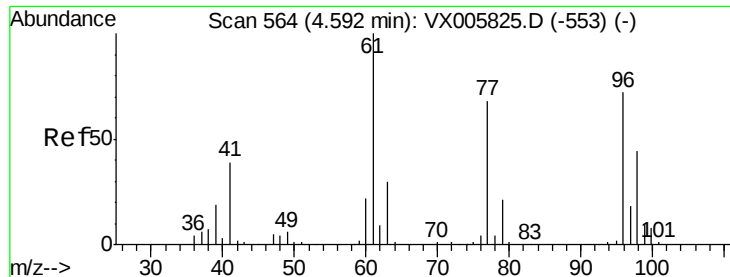
Tgt Ion: 77 Resp: 8721

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.5





#27

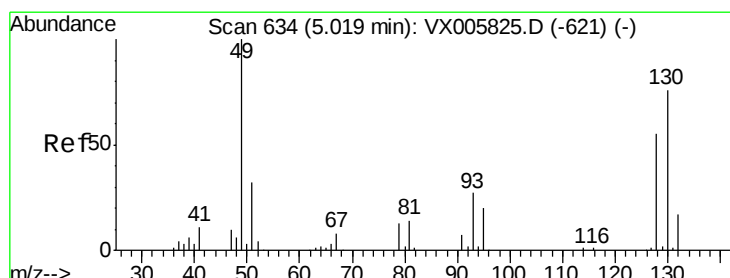
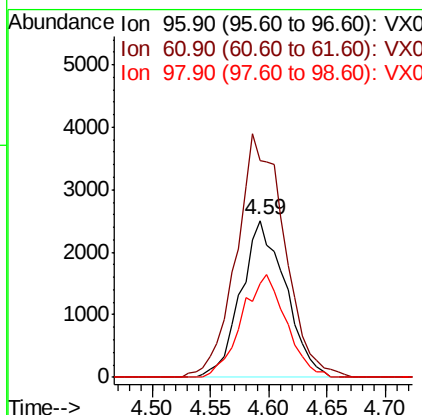
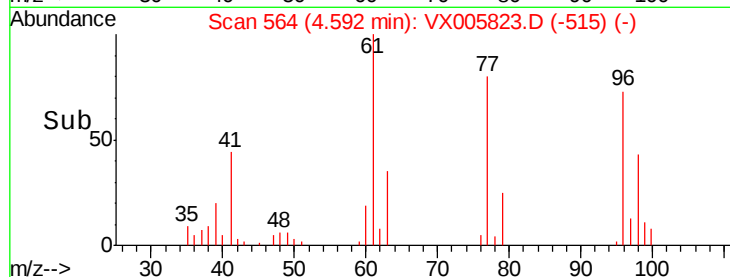
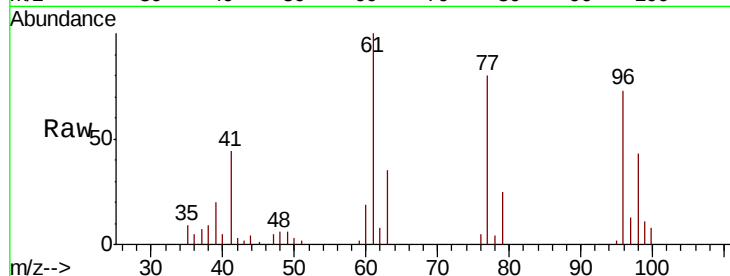
cis-1,2-Dichloroethene
Concen: 4.194 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	304.6
98	65.4	0.0	127.4

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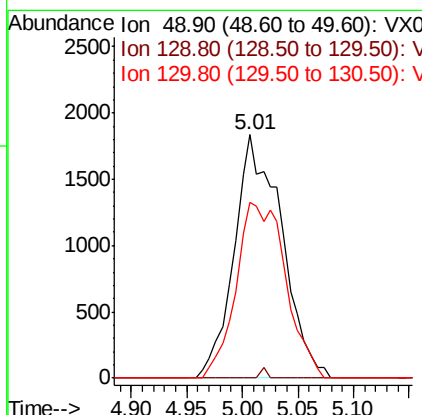
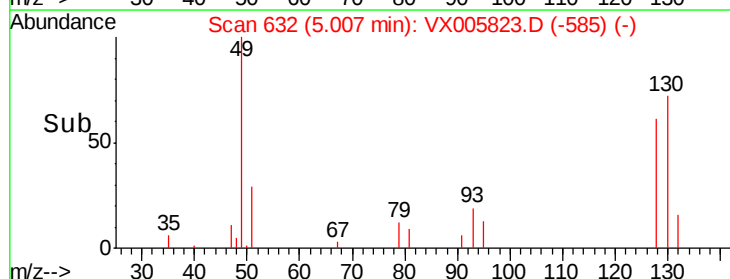
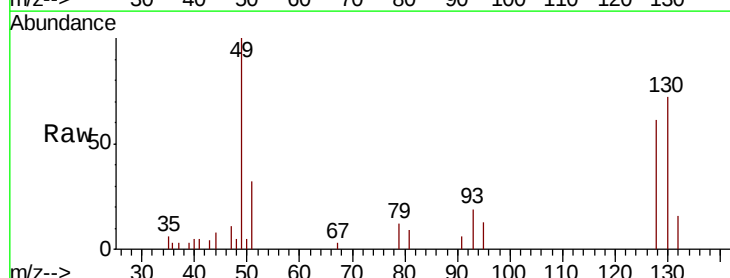
MMDadoda
11/8/2018 10:35:20 AM



#28

Bromochloromethane
Concen: 3.823 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.0
130	75.8	58.9	88.3





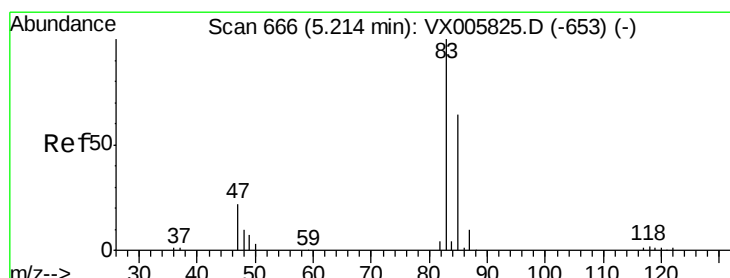
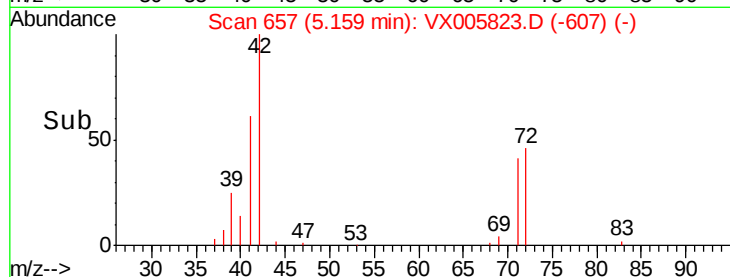
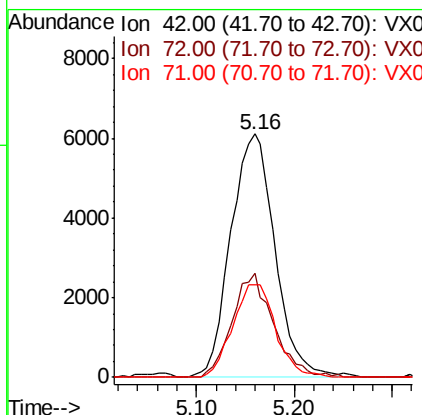
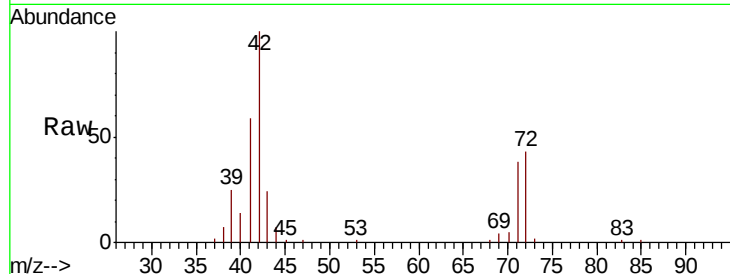
#29
Tetrahydrofuran
Concen: 20.474 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.0	48.0
71	37.1	29.8	44.8

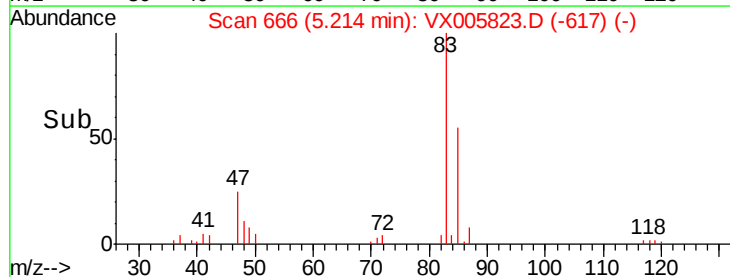
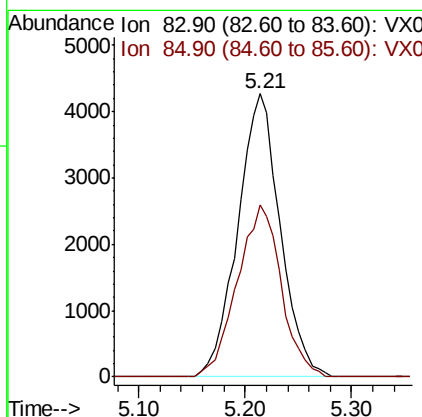
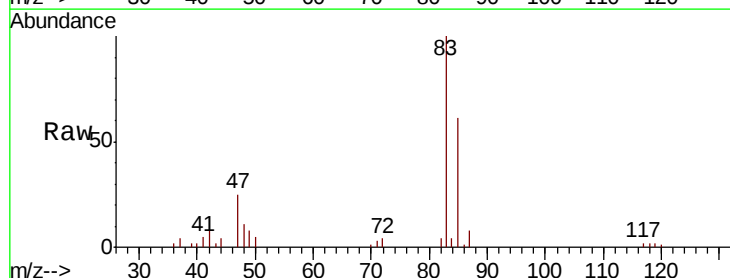
Manual Integrations
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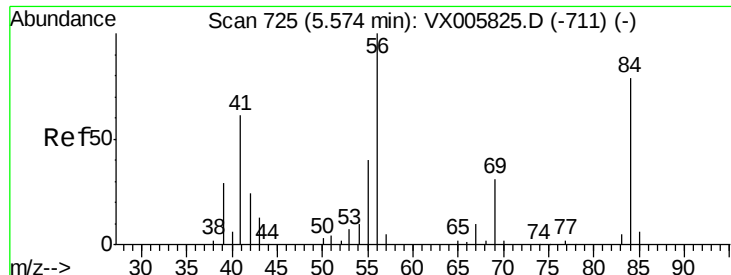
MMDadoda
11/8/2018 10:35:20 AM



#30
Chloroform
Concen: 4.203 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.6	76.0





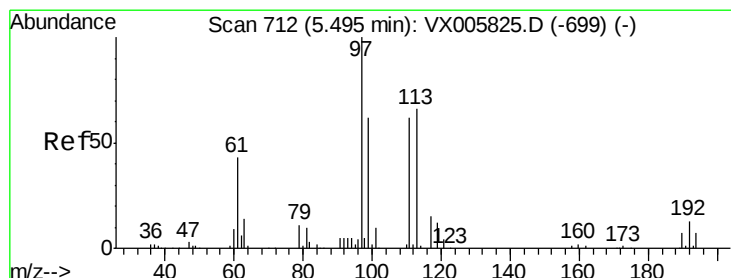
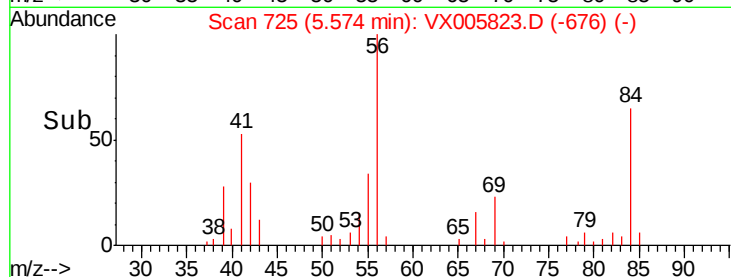
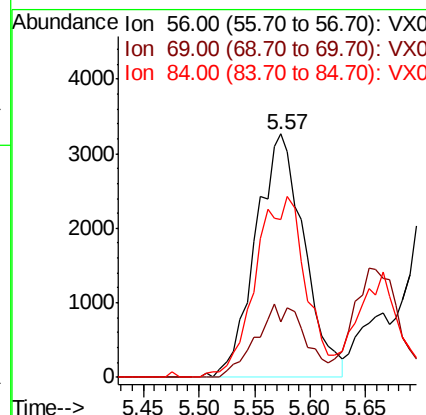
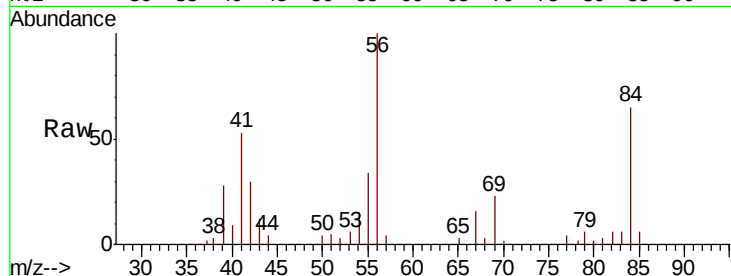
#31
Cyclohexane
Concen: 4.056 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	22.6	22.6	34.0#
84	64.6	62.7	94.1

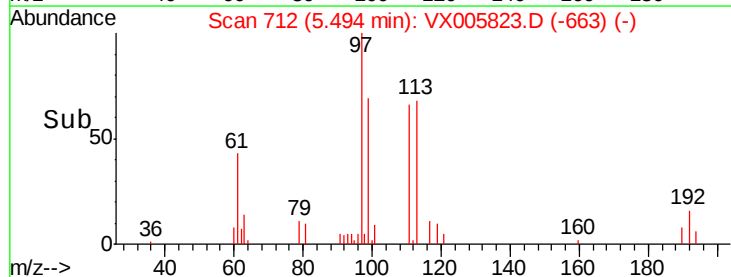
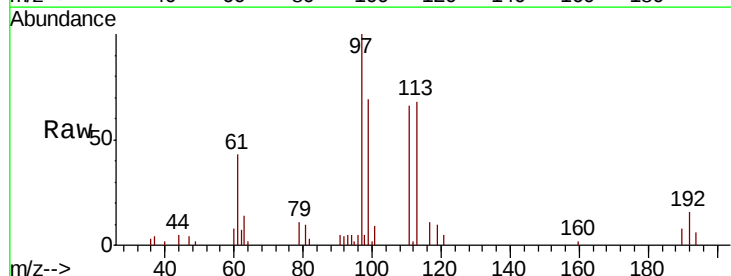
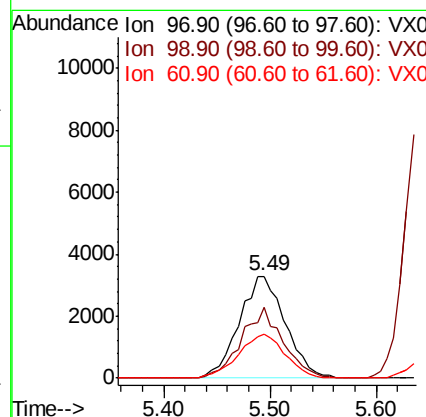
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#32
1,1,1-Trichloroethane
Concen: 4.372 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	52.3	78.5
61	43.5	35.2	52.8





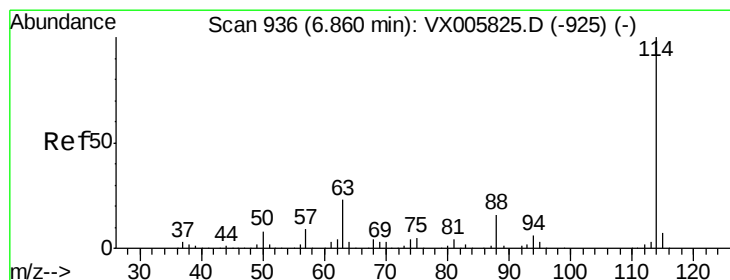
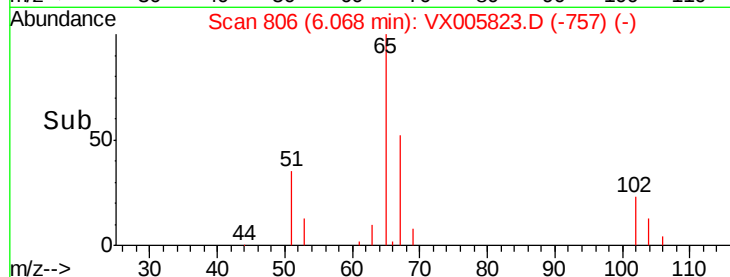
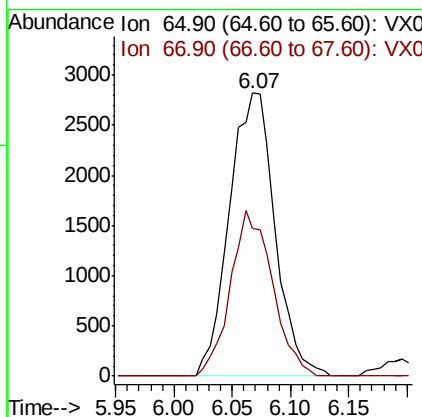
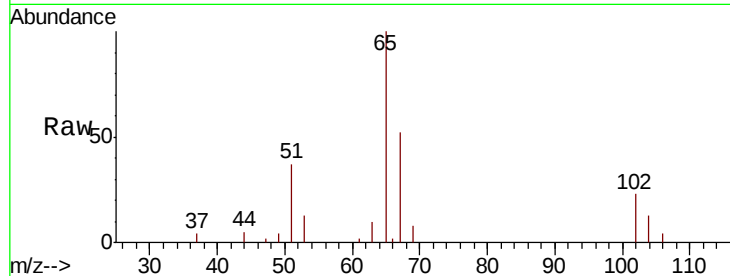
#33
 1,2-Dichloroethane-d4
 Concen: 4.228 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.0

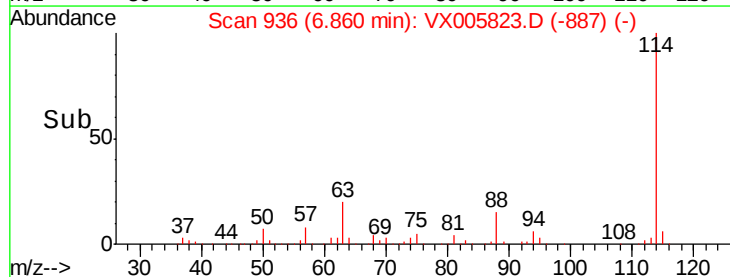
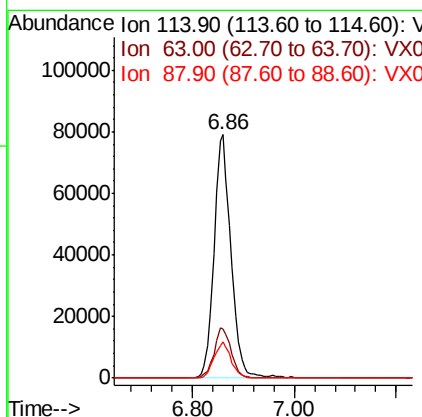
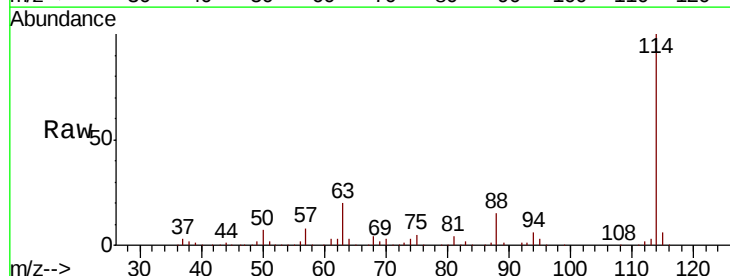
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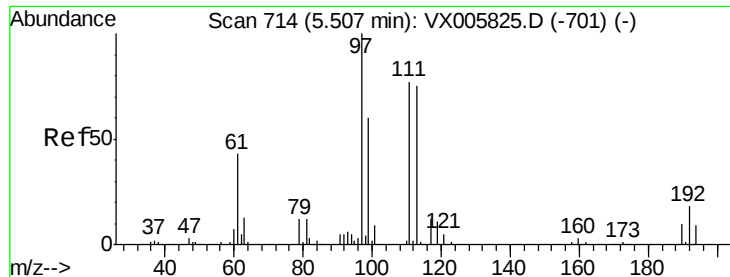
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.8
88	14.8	0.0	31.2





#35

Dibromofluoromethane

Concen: 4.748 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

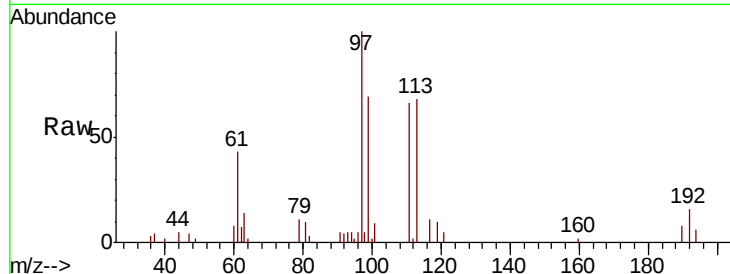
ClientSampleId :

VSTDIC005

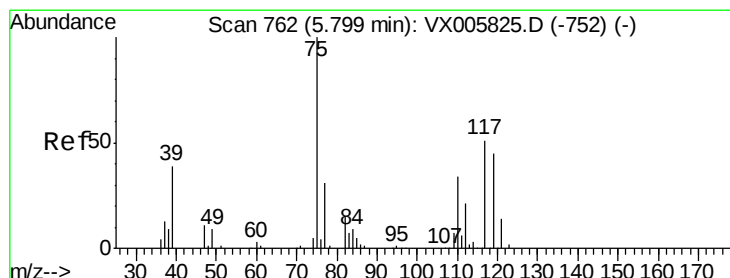
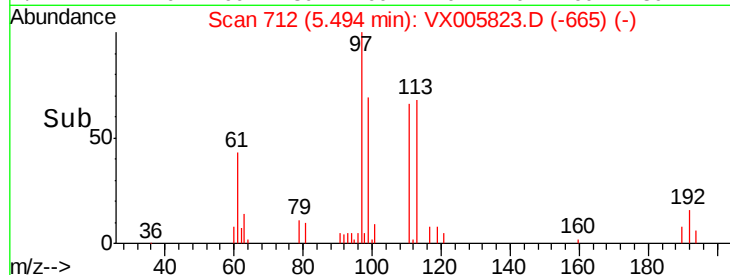
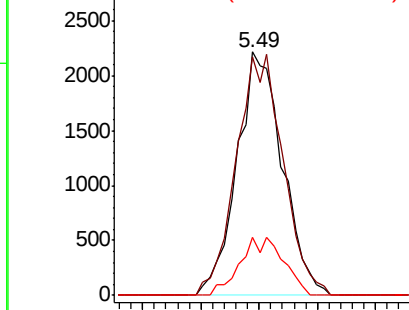
Tot Ion:	113	Resp:	6015
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	22.7	17.9	26.9

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.340 ug/l

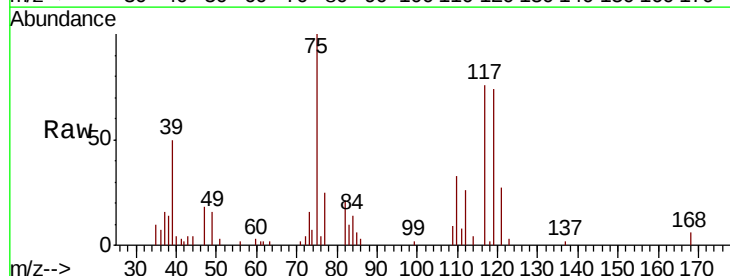
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

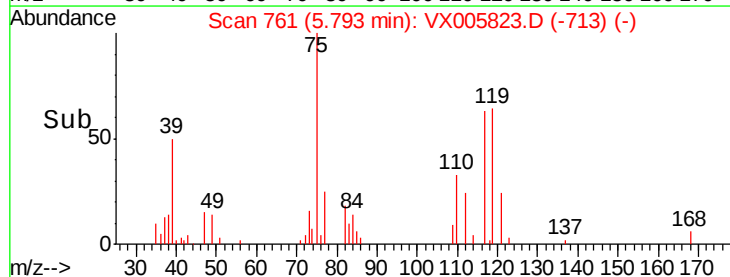
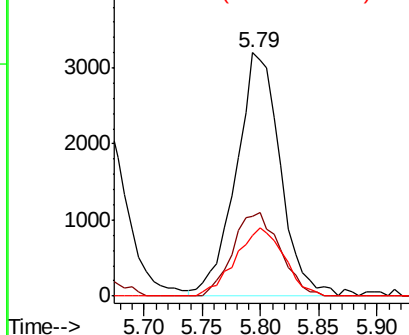
Lab File: VX005823.D

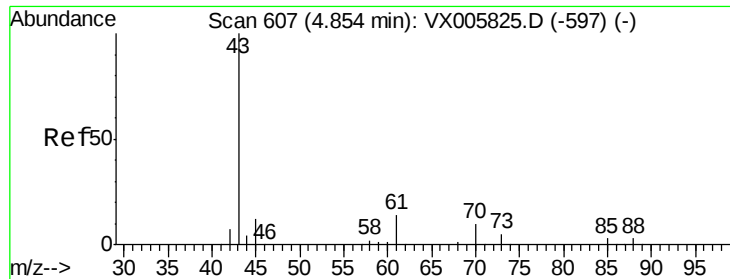
Acq: 07 Nov 2018 12:32

Tgt Ion:	75	Resp:	8460
Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.4	52.2
77	30.5	25.8	38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





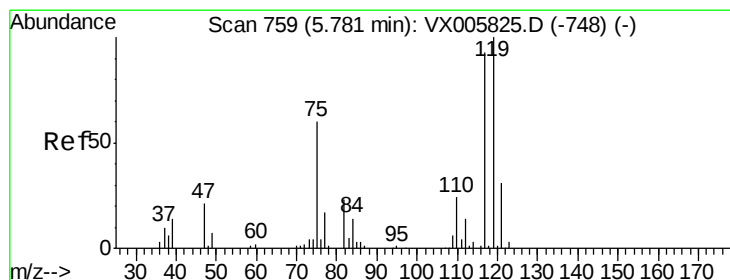
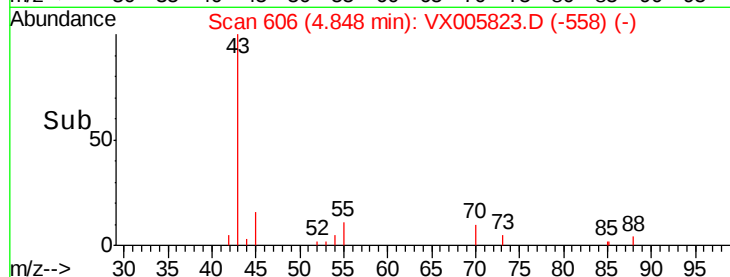
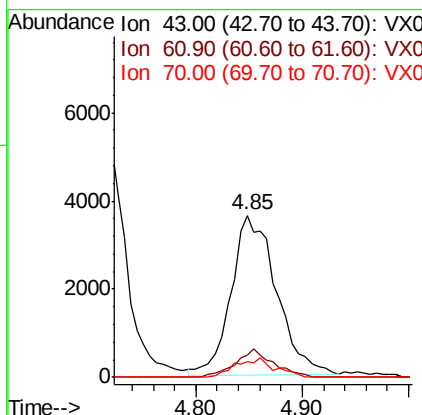
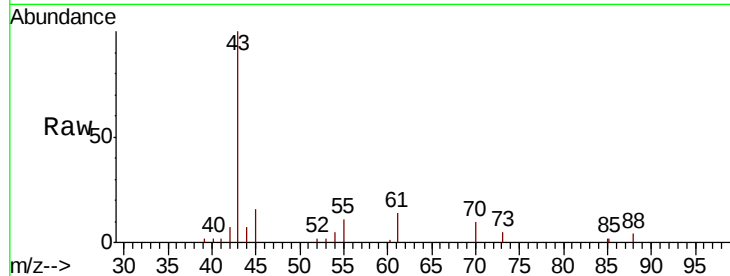
#37
Ethyl Acetate
Concen: 4.343 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	10799
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.8	16.2
70	10.4	7.8	11.8

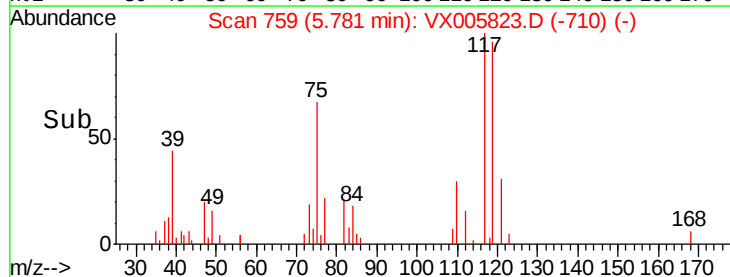
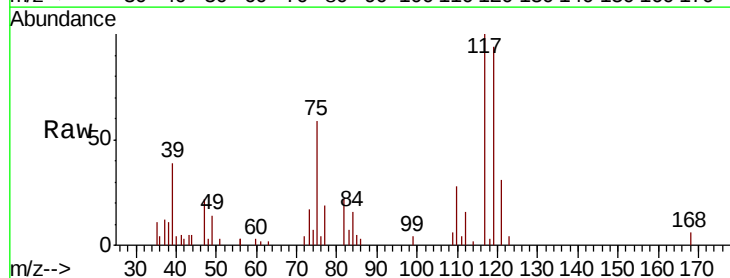
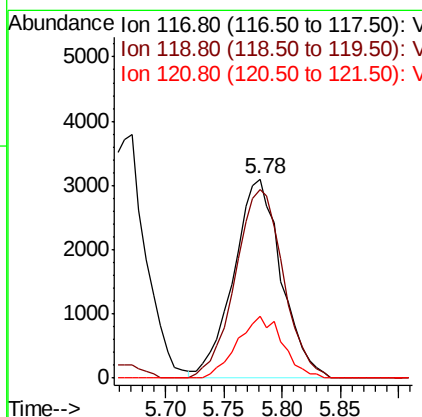
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#38
Carbon Tetrachloride
Concen: 5.023 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion:	117	Resp:	8846
Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.1	117.1
121	30.8	24.6	36.8





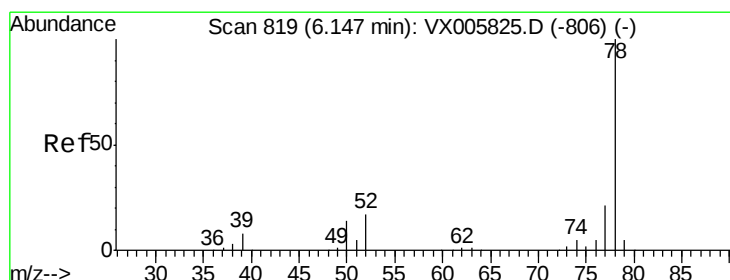
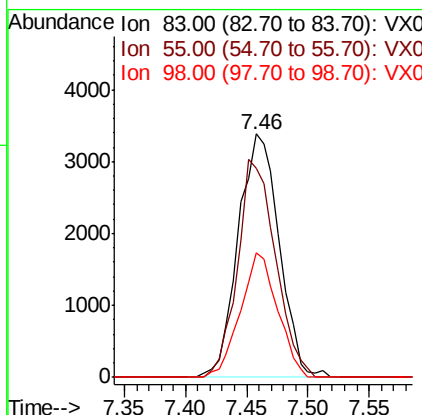
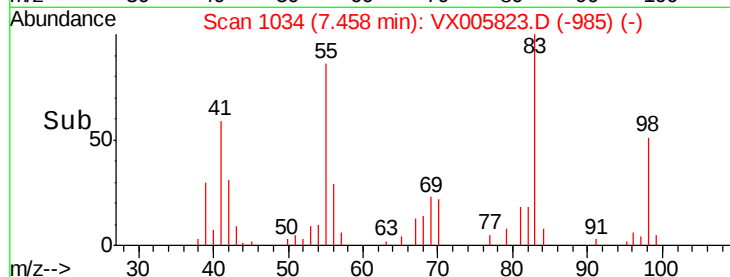
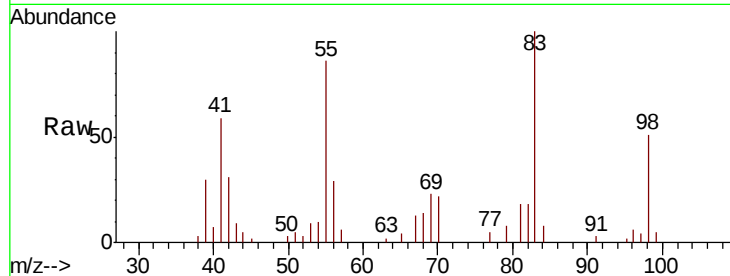
#39
Methvlcvclohexane
Concen: 3.864 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	63.7	95.5
98	51.4	36.2	54.2

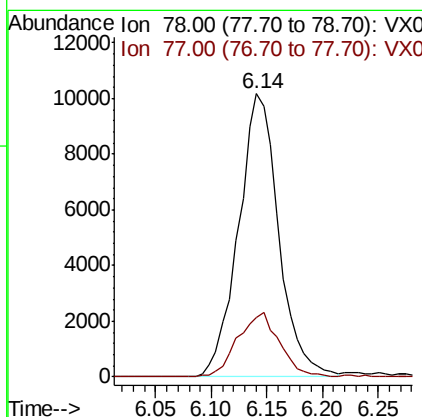
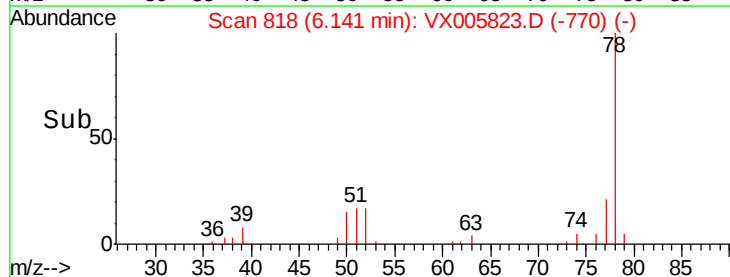
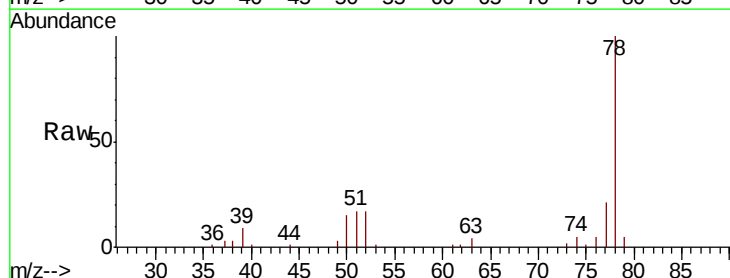
Manual Integrations
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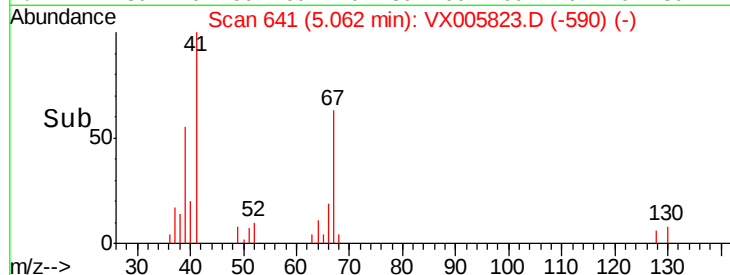
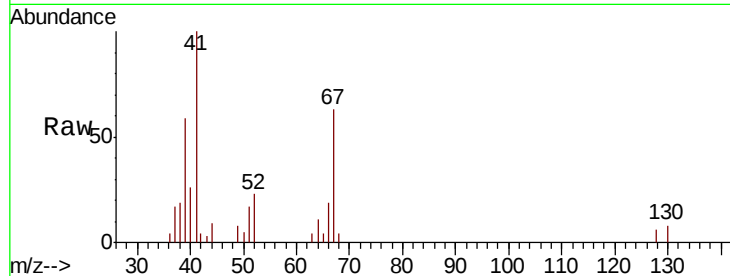
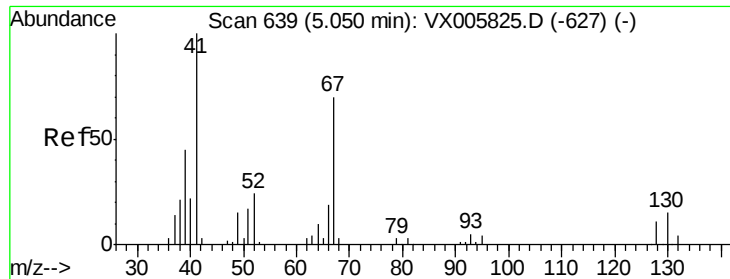
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#40
Benzene
Concen: 4.421 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

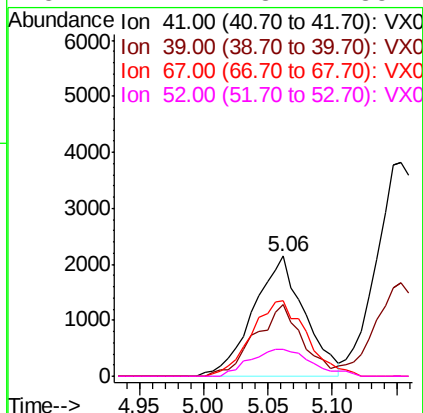
Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.9	18.4	27.6





#41
Methacrylonitrile
Concen: 4.387 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

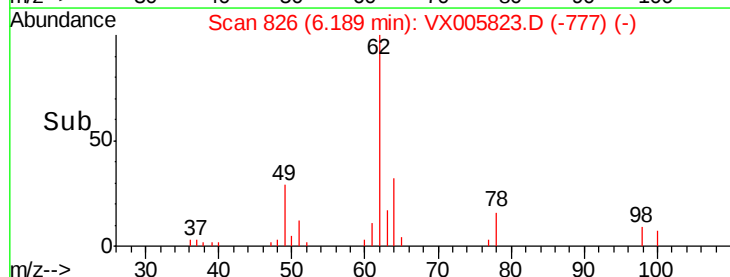
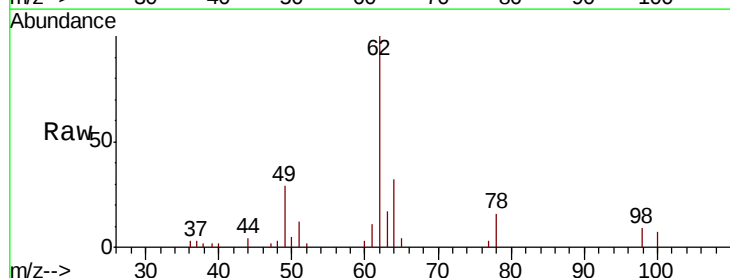
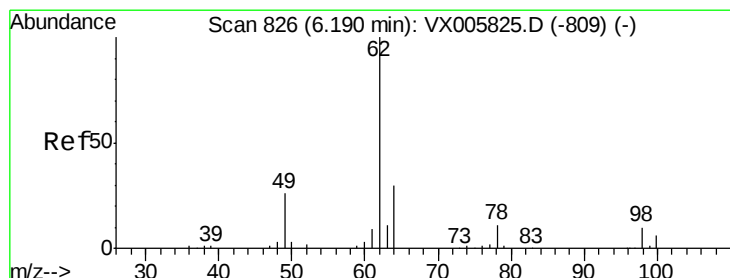
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.0	42.2	63.2
67	67.7	53.4	80.0
52	27.1	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

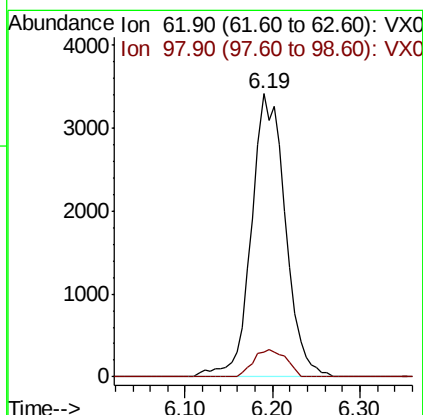
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#42
1,2-Dichloroethane
Concen: 4.314 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8





#43

Isopropyl Acetate

Concen: 4.374 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

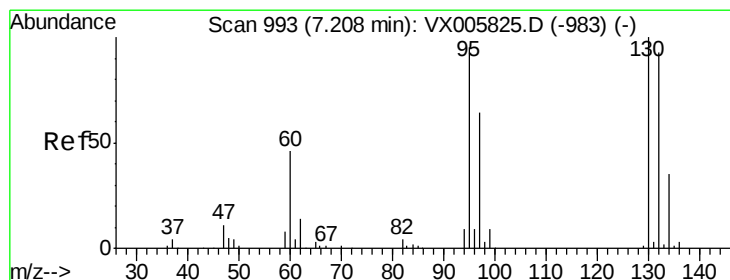
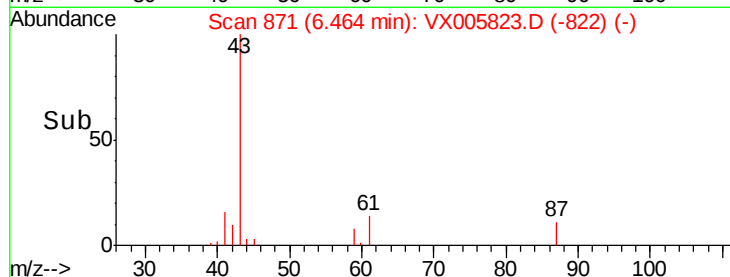
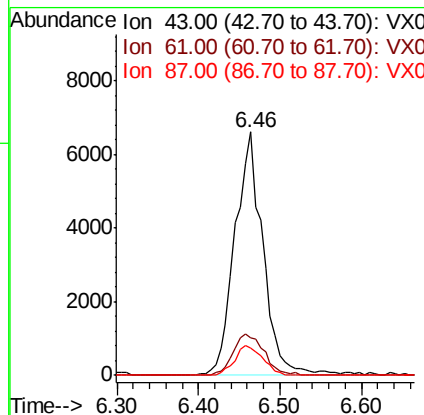
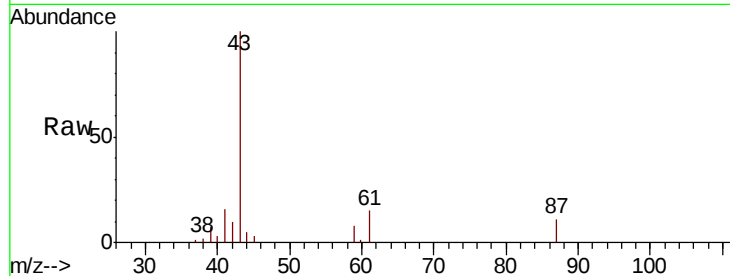
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	15789
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.6	22.0
87	12.0	9.6	14.4

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#44

Trichloroethene

Concen: 4.720 ug/l

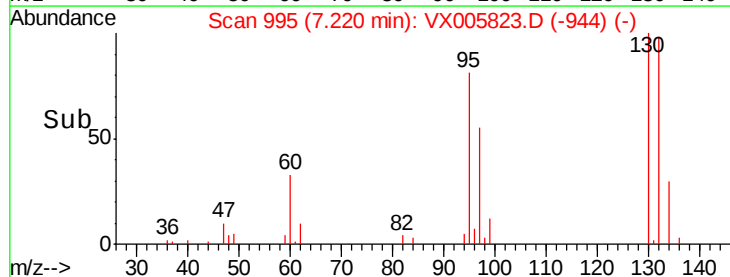
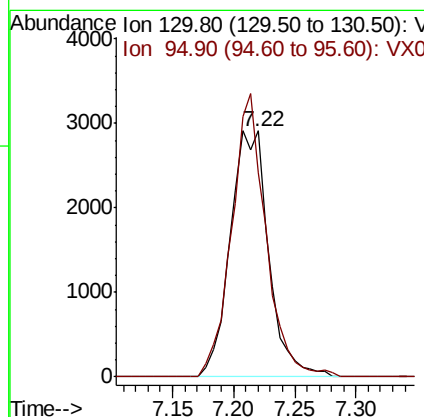
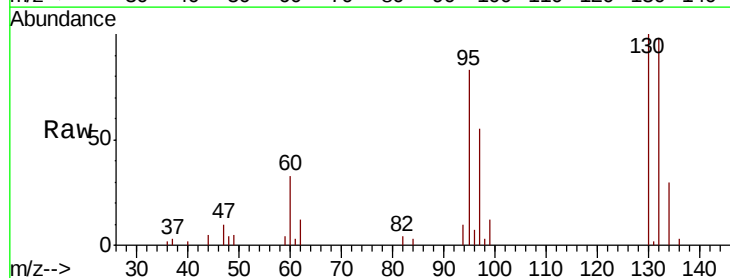
RT: 7.22 min Scan# 995

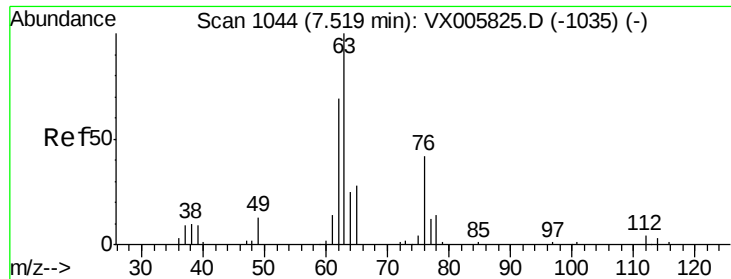
Delta R.T. 0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion:	130	Resp:	6330
Ion	Ratio	Lower	Upper
130	100		
95	82.7	0.0	194.2





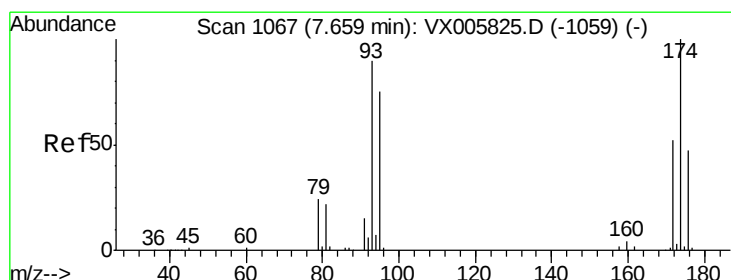
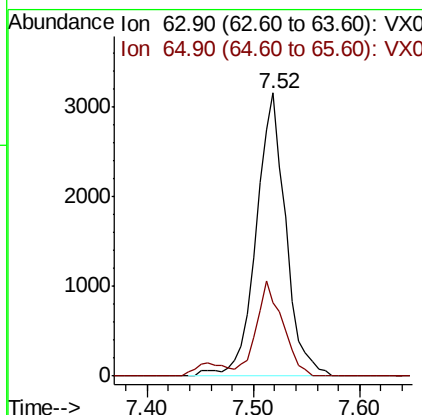
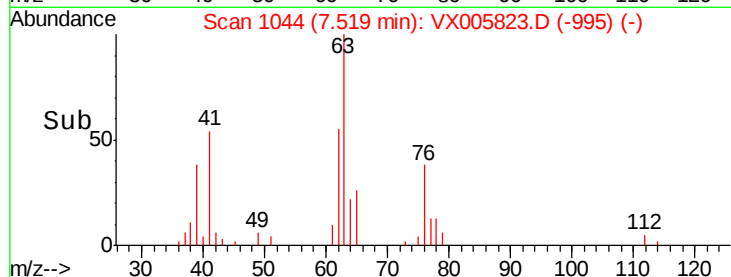
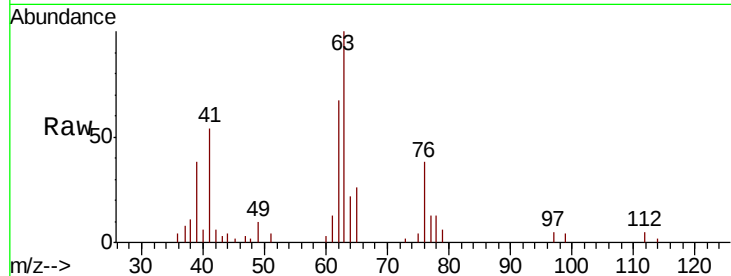
#45
1,2-Dichloropropane
Concen: 4.132 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 63 Resp: 6140
Ion Ratio Lower Upper
63 100
65 26.0 24.8 37.2

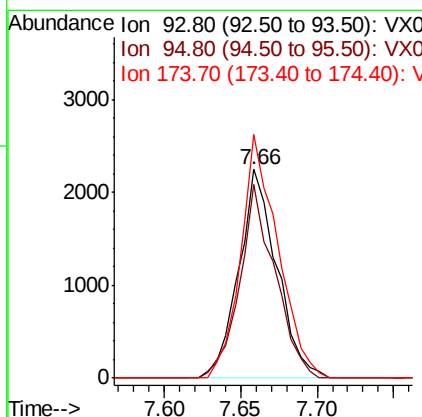
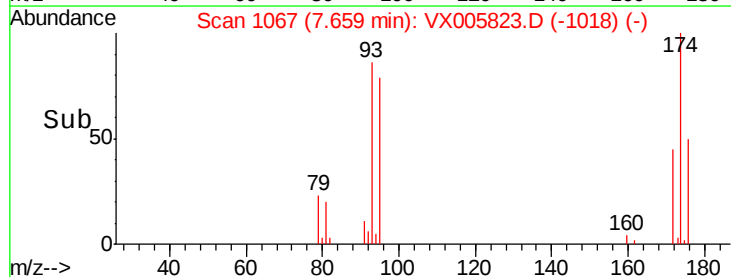
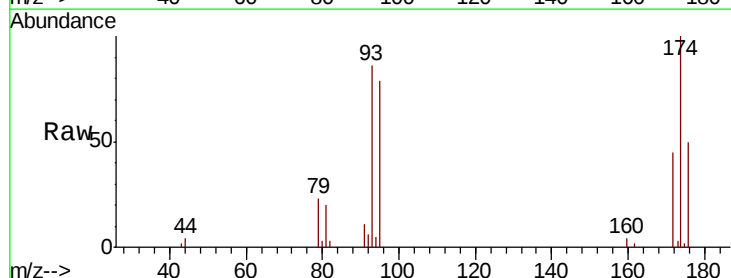
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#46
Dibromomethane
Concen: 4.087 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion: 93 Resp: 3881
Ion Ratio Lower Upper
93 100
95 85.8 67.4 101.0
174 113.8 91.5 137.3





#47

Bromodichloromethane

Concen: 4.043 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

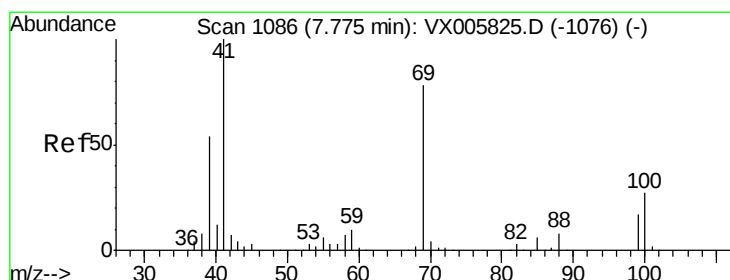
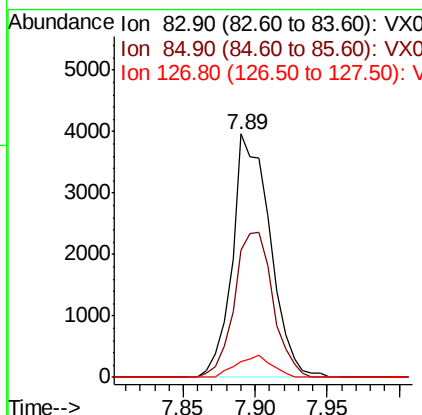
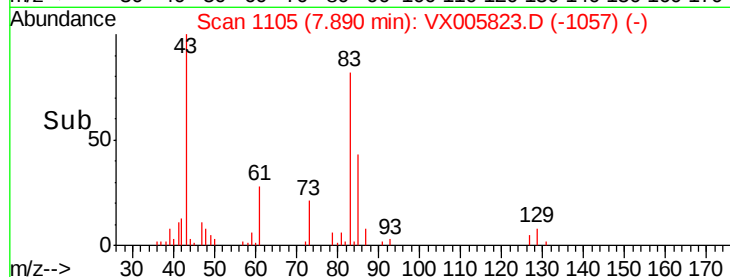
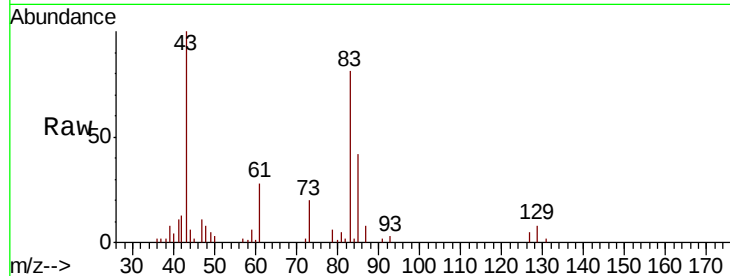
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	7203
Ion	Ratio	Lower	Upper
83	100		
85	52.5	50.2	75.4
127	6.6	6.9	10.3#

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#48

Methyl methacrylate

Concen: 3.973 ug/l

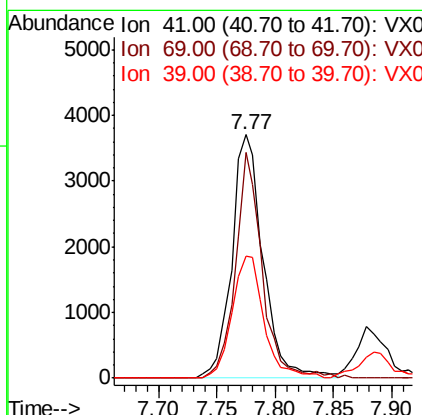
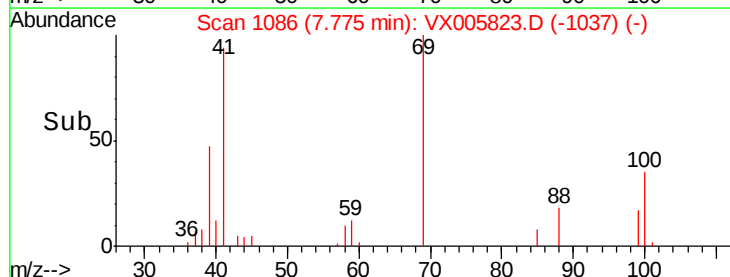
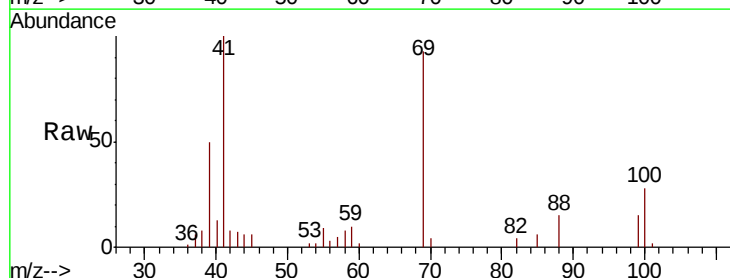
RT: 7.77 min Scan# 1086

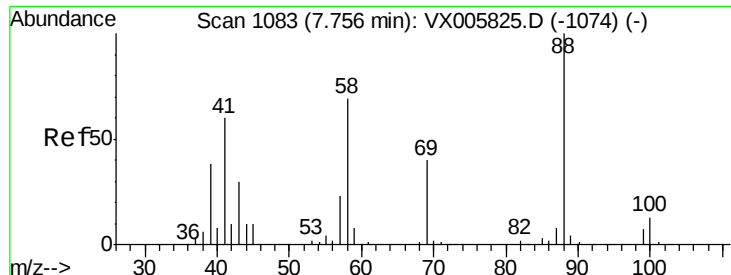
Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion:	41	Resp:	6941
Ion	Ratio	Lower	Upper
41	100		
69	77.5	63.2	94.8
39	51.1	42.2	63.2





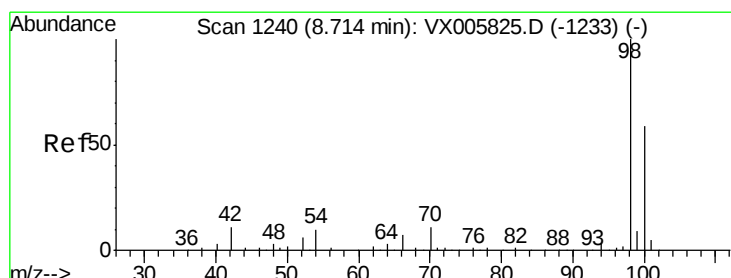
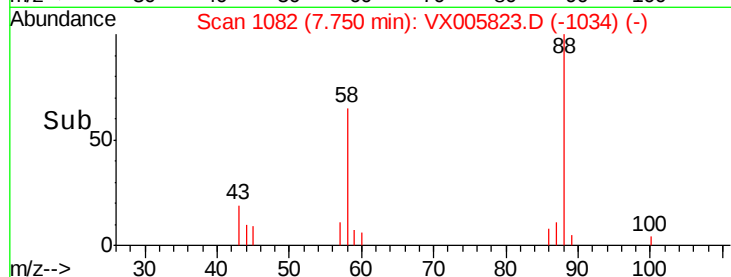
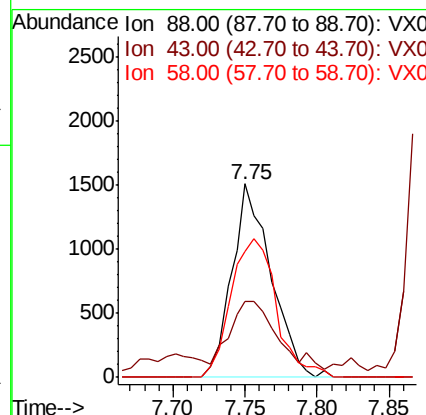
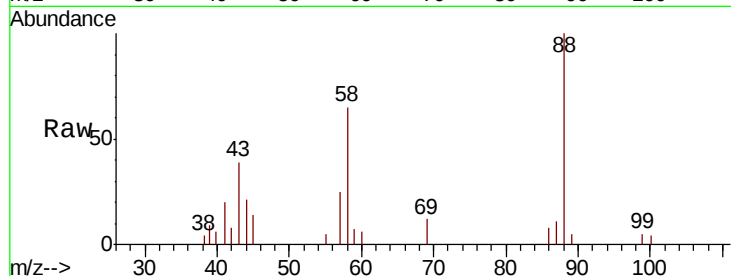
#49
1,4-Dioxane
Concen: 73.600 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.0	27.4	41.0#
58	82.7	59.4	89.2

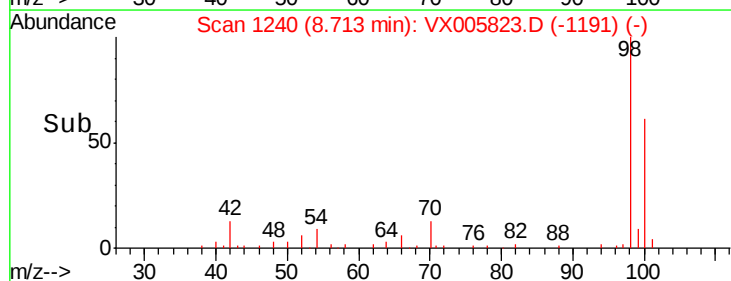
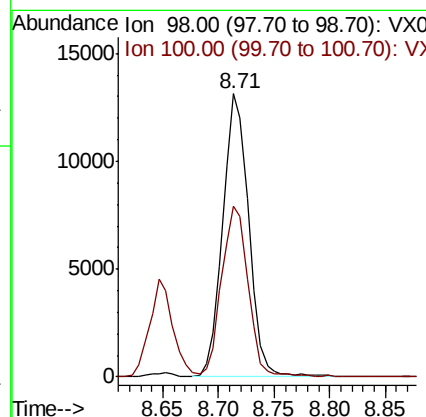
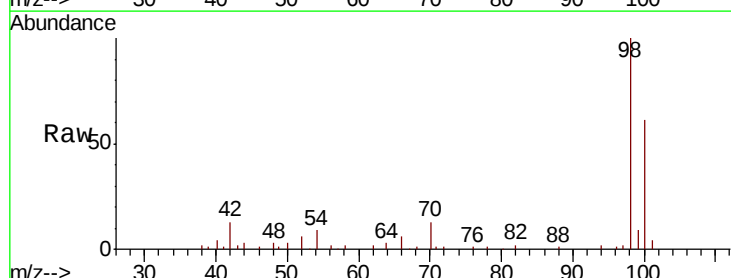
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#50
Toluene-d8
Concen: 4.786 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.4	51.3	76.9





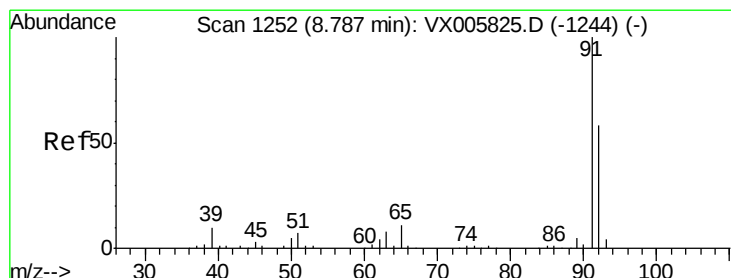
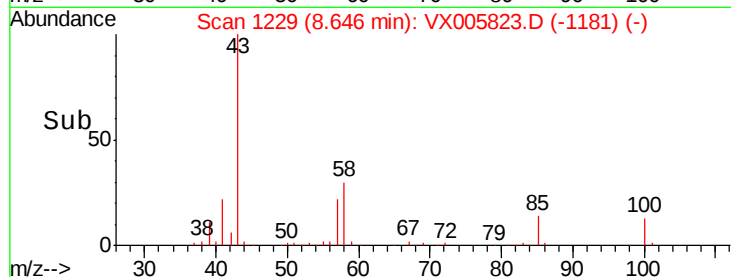
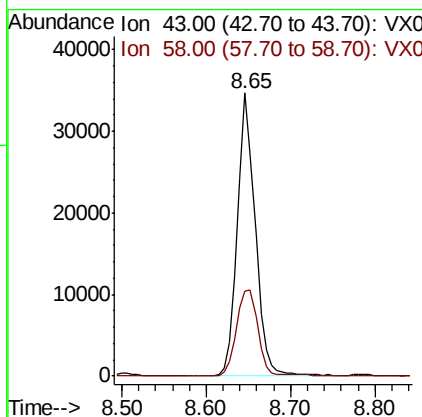
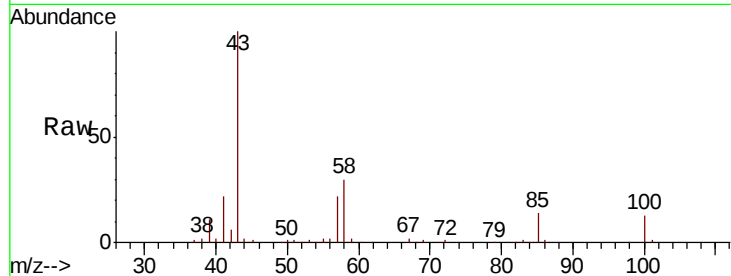
#51
4-Methyl-2-Pentanone
Concen: 20.331 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.7	44.5

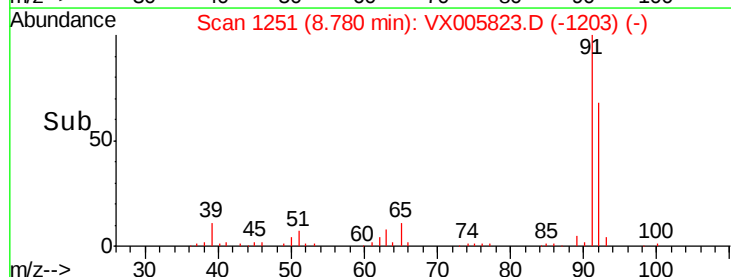
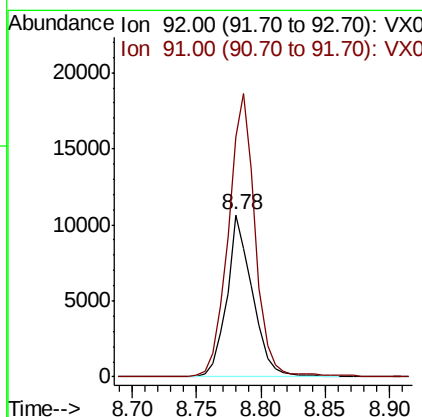
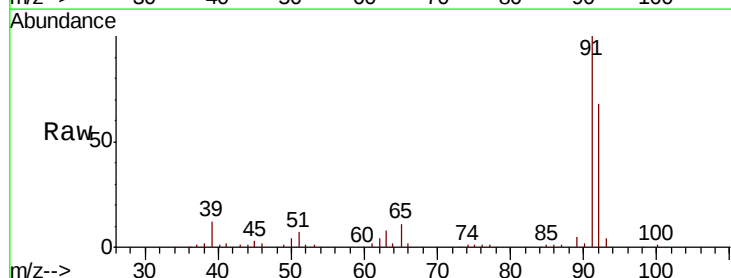
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#52
Toluene
Concen: 4.711 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	184.2	140.4	210.6





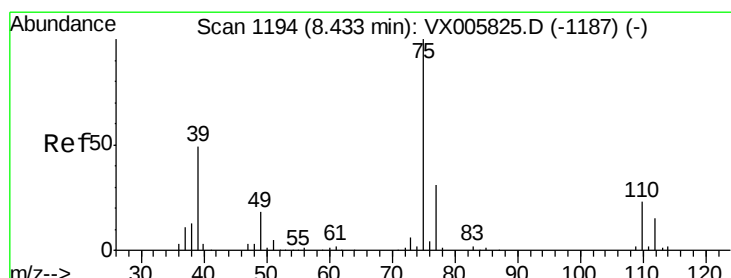
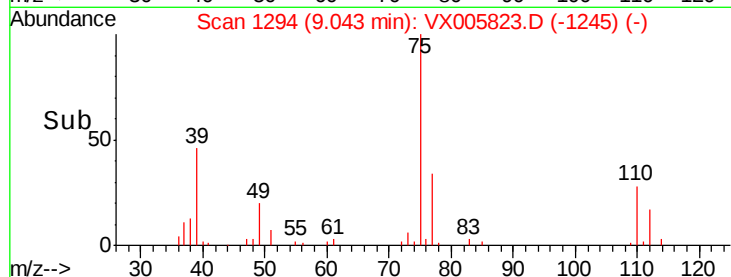
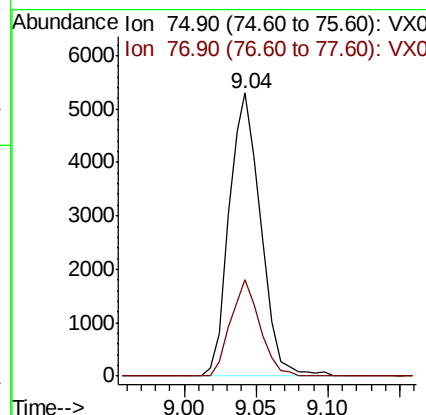
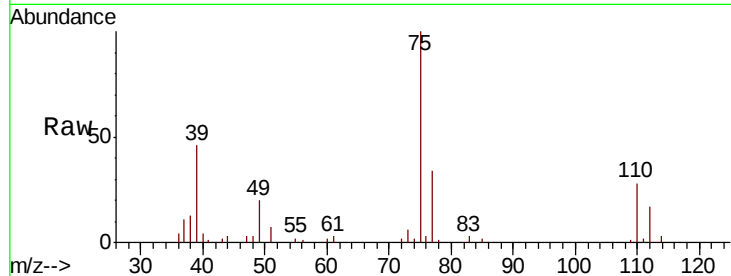
#53
t-1,3-Dichloropropene
Concen: 4.218 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 8143
Ion Ratio Lower Upper
75 100
77 34.2 25.4 38.2

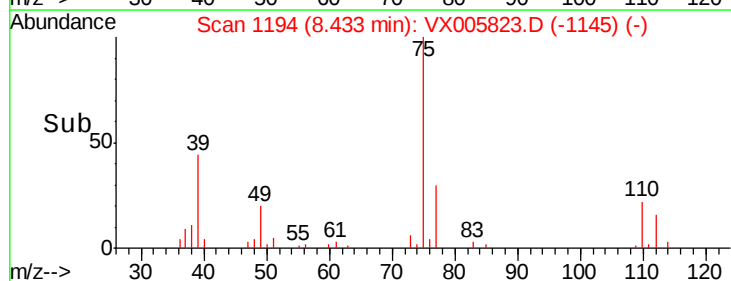
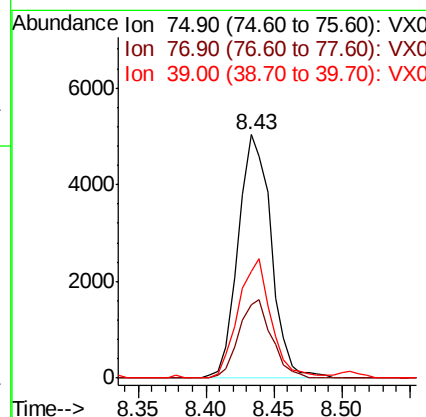
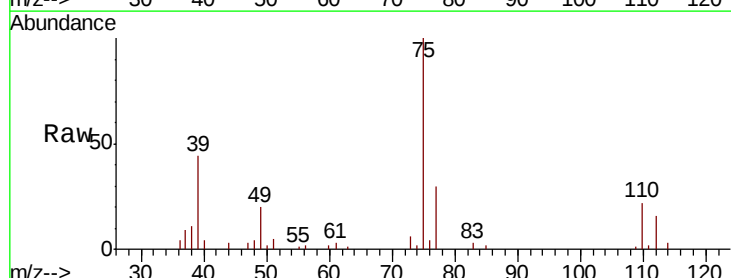
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#54
cis-1,3-Dichloropropene
Concen: 4.121 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion: 75 Resp: 8523
Ion Ratio Lower Upper
75 100
77 29.9 25.2 37.8
39 43.8 38.2 57.2





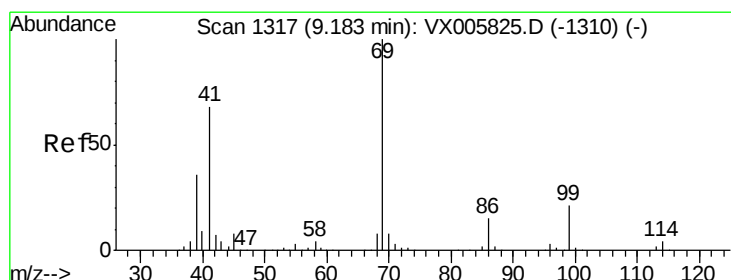
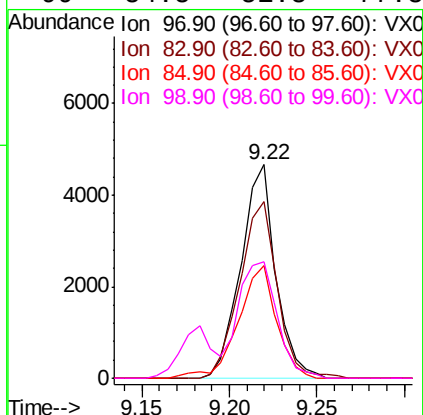
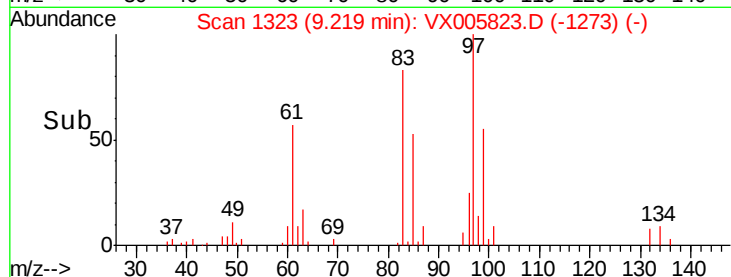
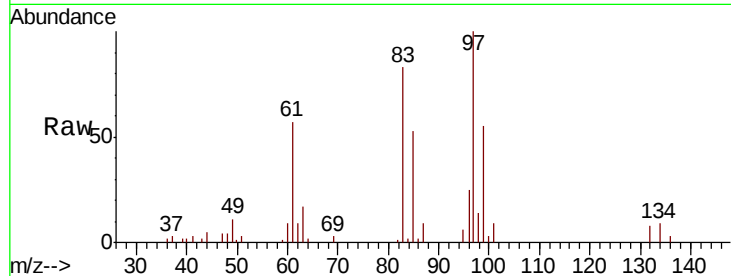
#55
 1,1,2-Trichloroethane
 Concen: 4.753 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	6475
Ion	Ratio	Lower	Upper
97	100		
83	82.6	70.7	106.1
85	52.7	45.8	68.6
99	54.5	51.8	77.8

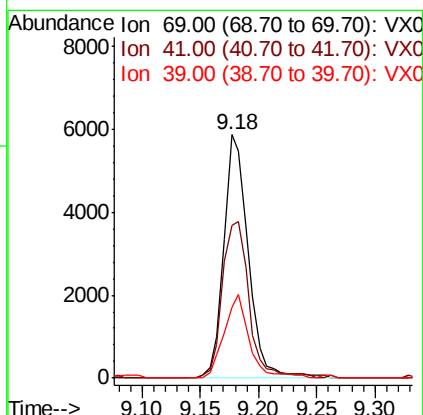
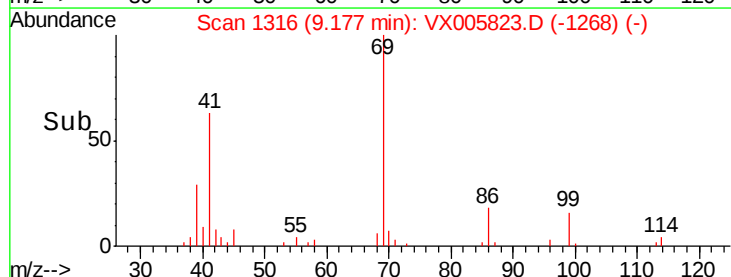
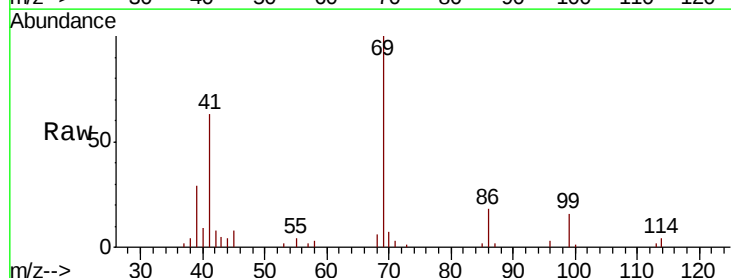
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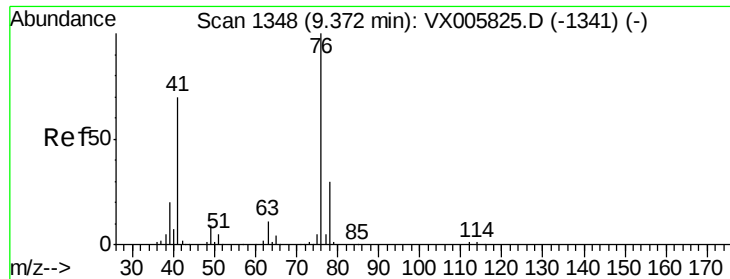
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#56
 Ethyl methacrylate
 Concen: 4.176 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Tgt Ion:	69	Resp:	8594
Ion	Ratio	Lower	Upper
69	100		
41	69.8	57.0	85.6
39	34.9	28.3	42.5





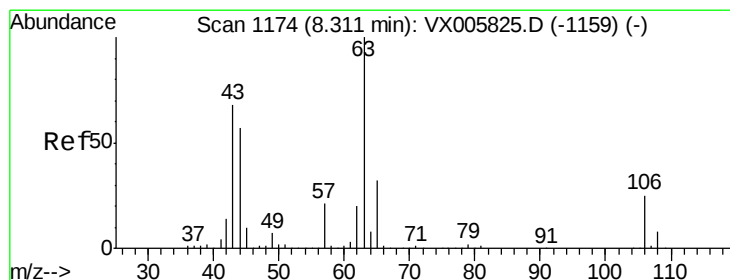
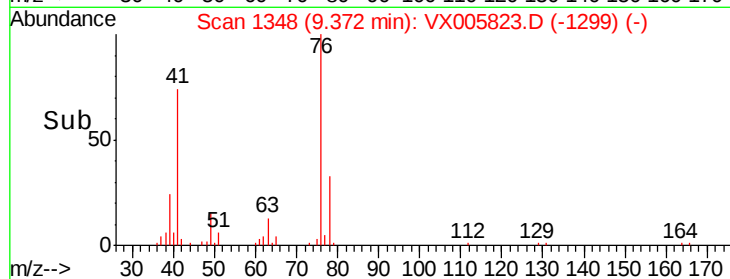
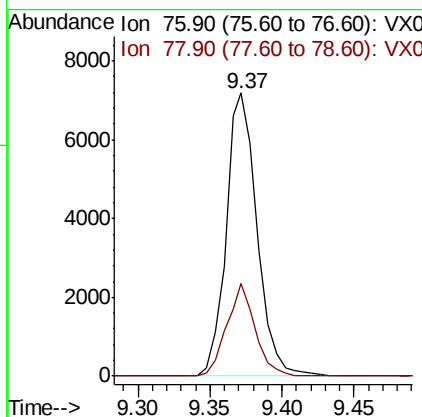
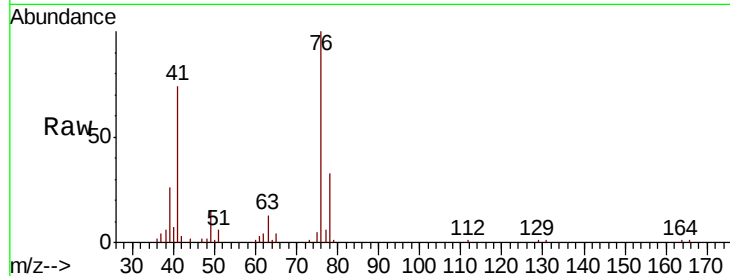
#57
 1,3-Dichloropropane
 Concen: 4.607 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.0	25.3	37.9

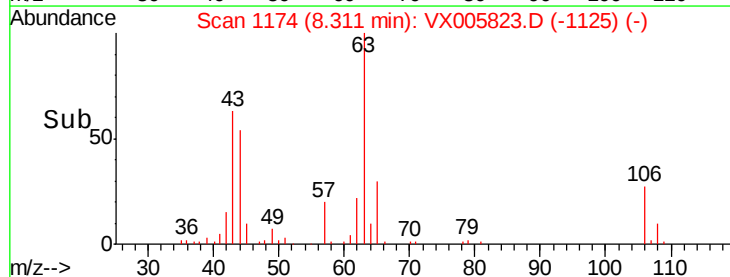
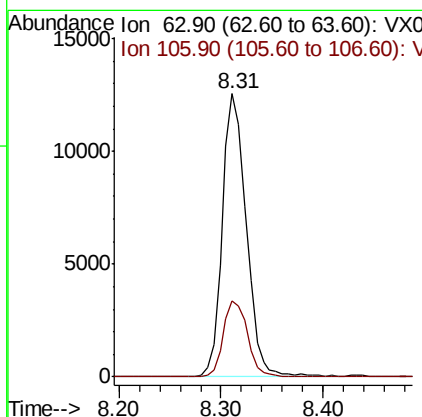
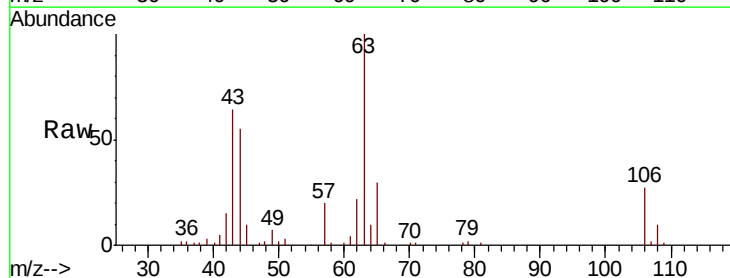
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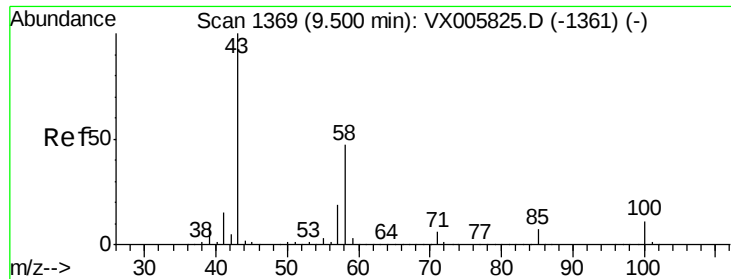
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#58
 2-Chloroethyl Vinyl ether
 Concen: 17.685 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.3	31.9





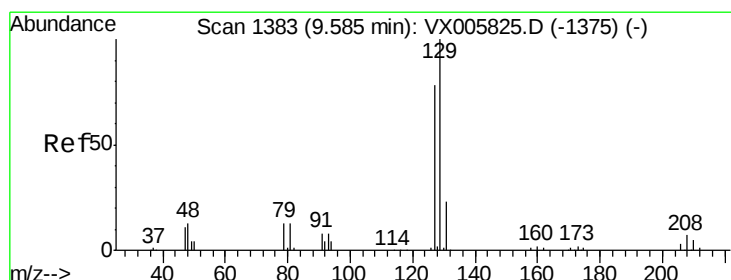
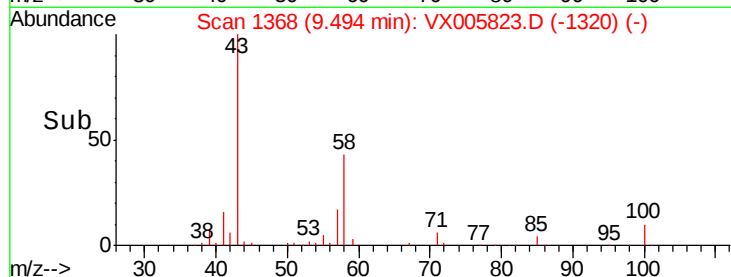
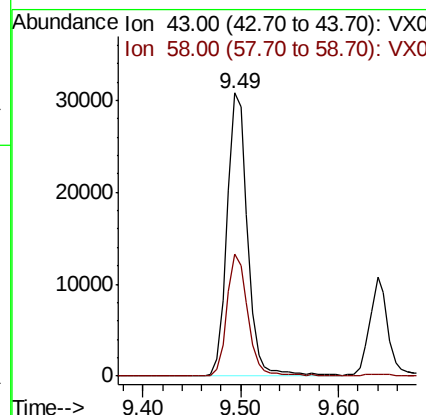
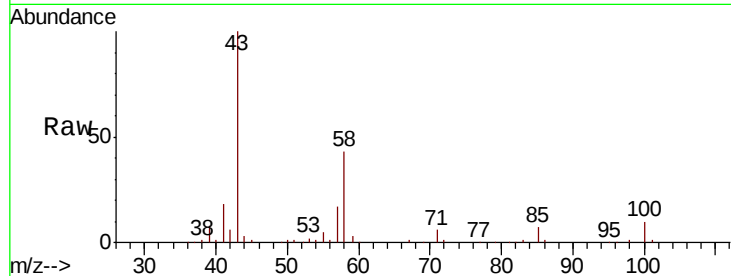
#59
2-Hexanone
Concen: 22.405 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 44873
Ion Ratio Lower Upper
43 100
58 44.2 25.9 77.8

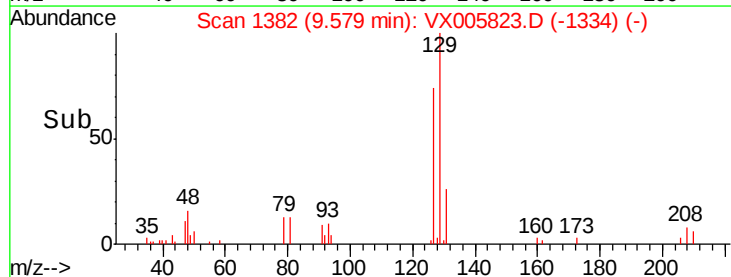
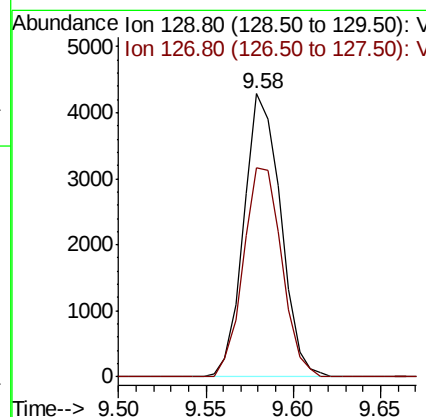
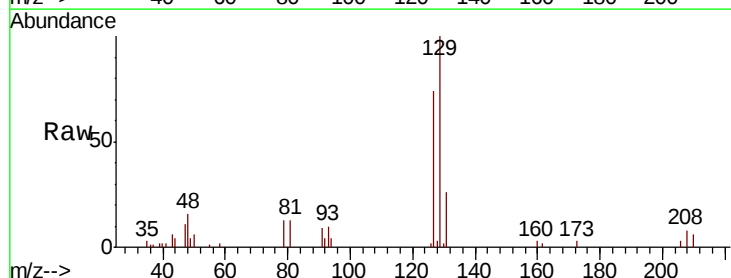
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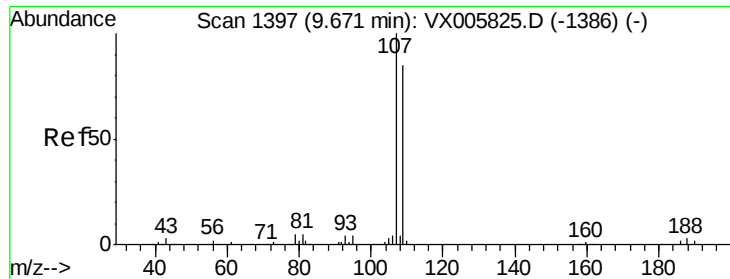
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#60
Dibromochloromethane
Concen: 4.773 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion: 129 Resp: 6282
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 5.132 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 7123

Ion Ratio Lower Upper

107 100

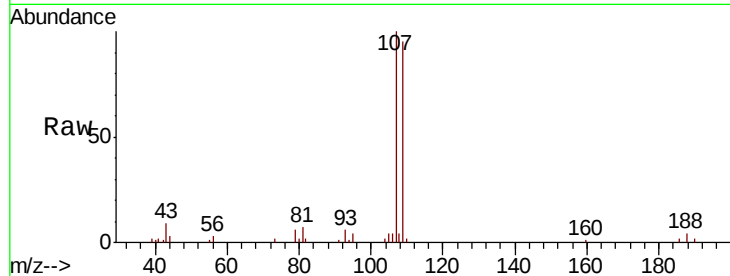
109 92.9 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

6000

5000

4000

3000

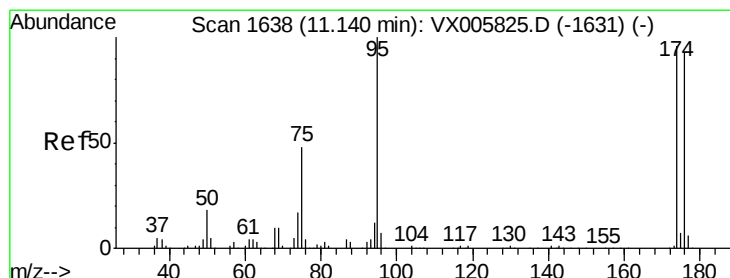
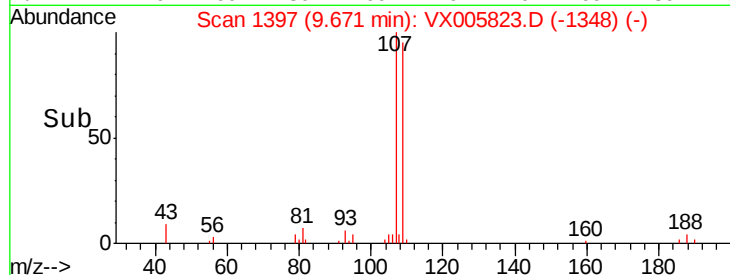
2000

1000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 4.161 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

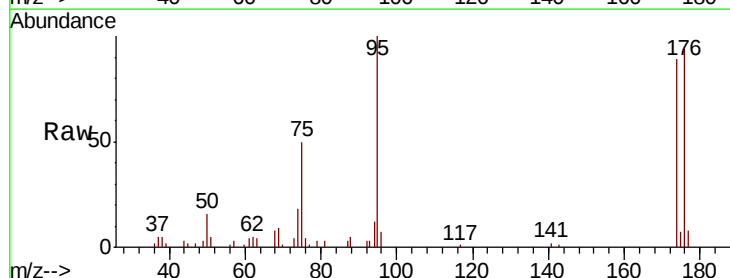
Tgt Ion: 95 Resp: 6823

Ion Ratio Lower Upper

95 100

174 95.2 0.0 184.4

176 96.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

6000

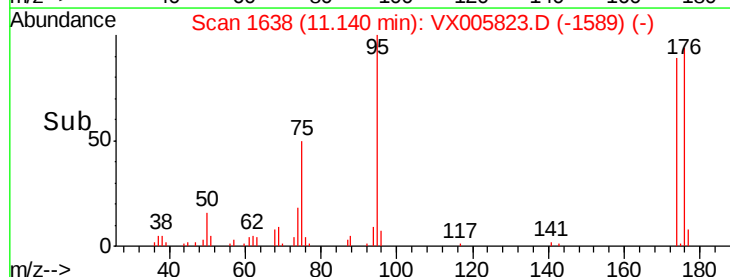
4000

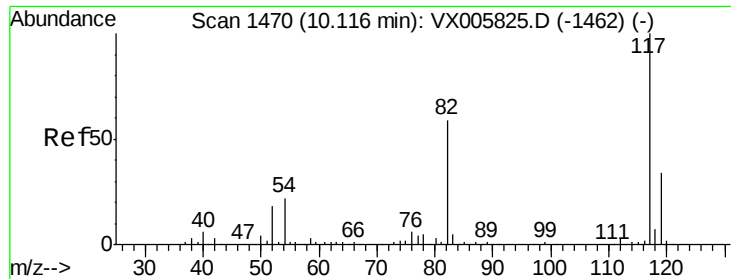
2000

0

Time-->

11.10 11.15 11.20





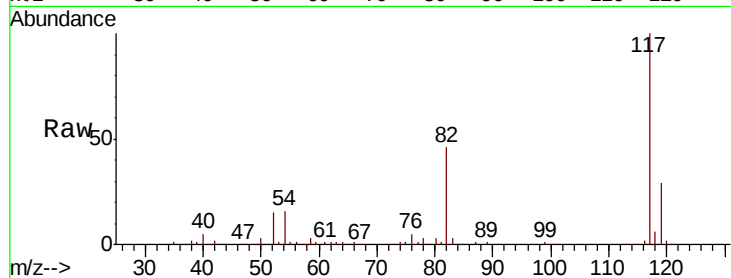
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.5	44.1	66.1
119	29.5	26.2	39.2

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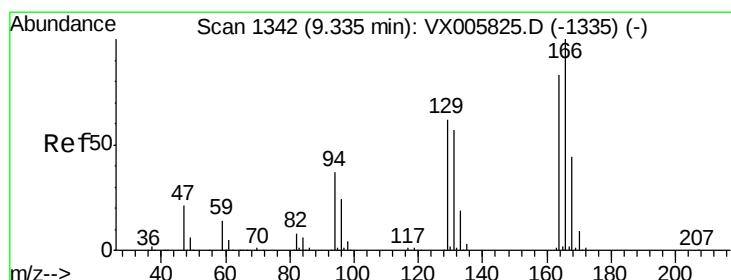
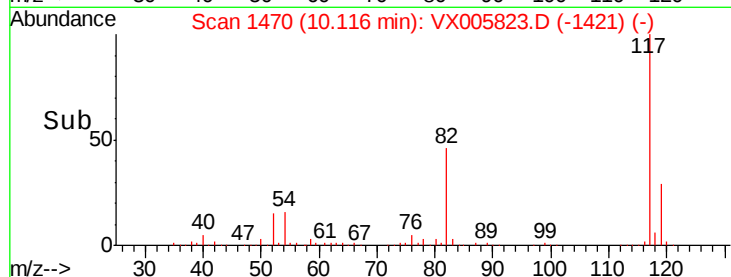
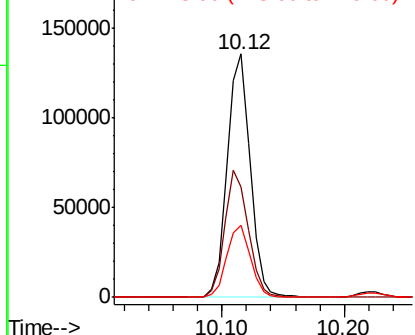


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.824 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	101.9	152.9
129	104.6	72.6	109.0
131	96.9	71.1	106.7

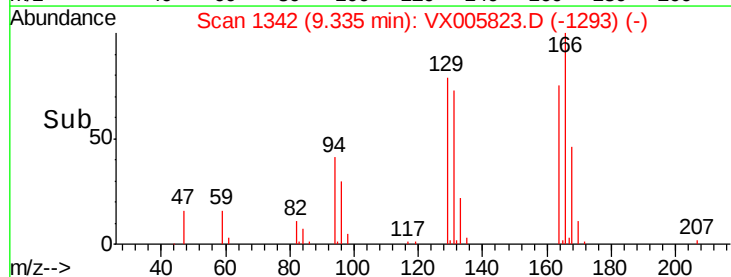
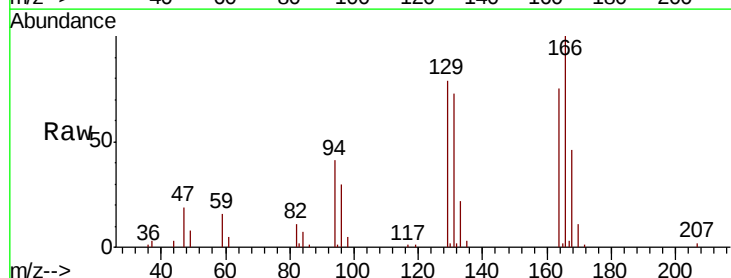
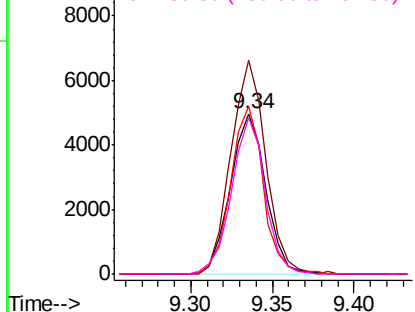
Abundance

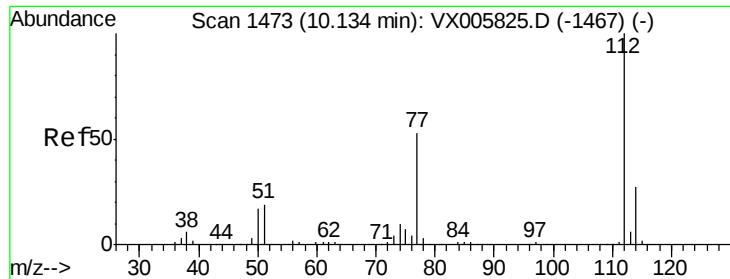
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





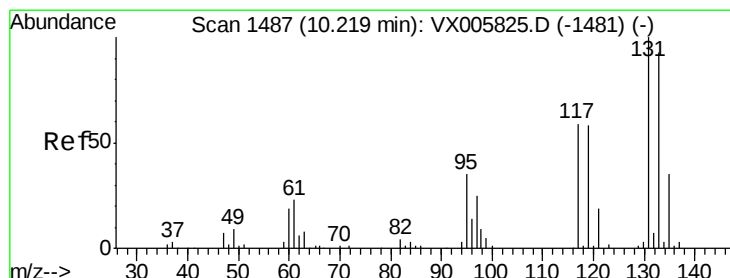
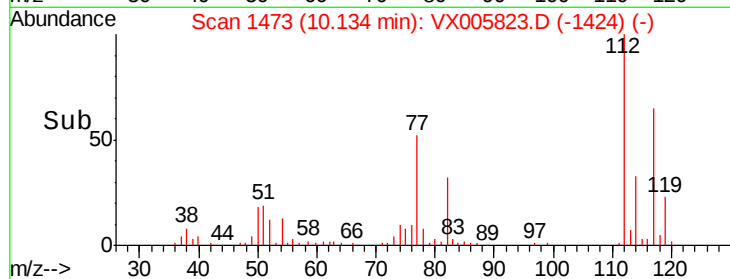
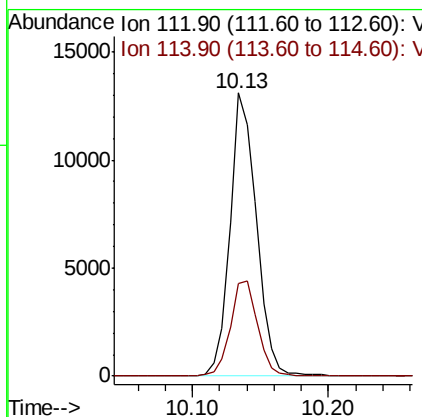
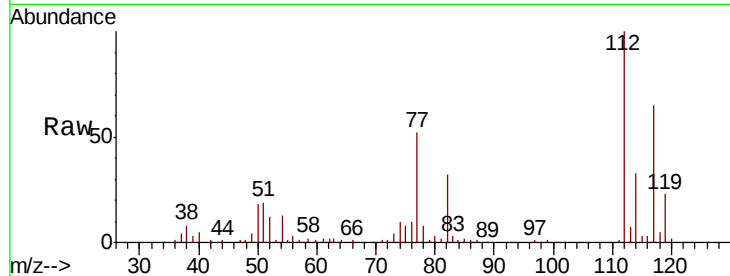
#65
Chlorobenzene
Concen: 4.737 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 17691
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6

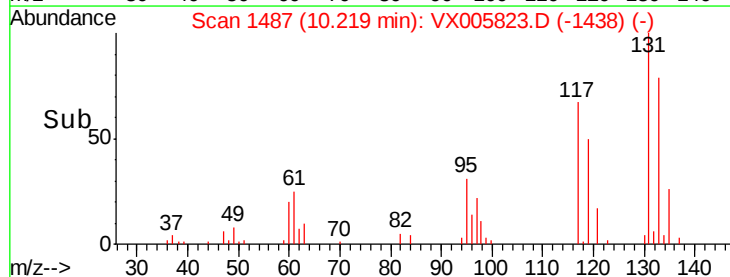
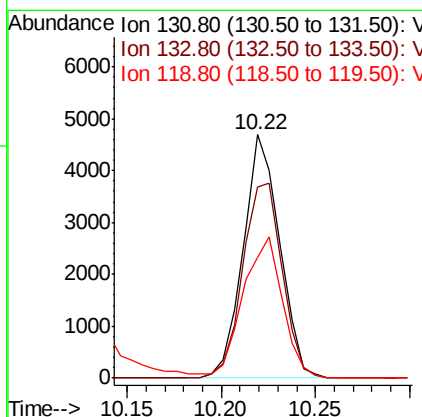
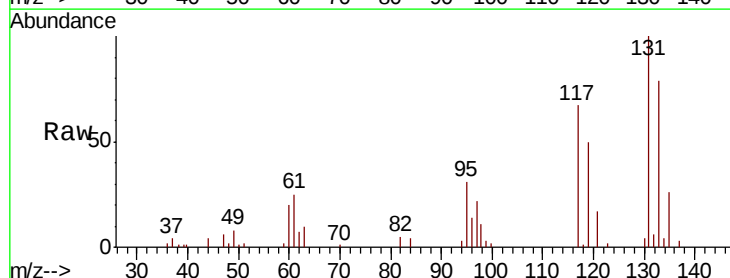
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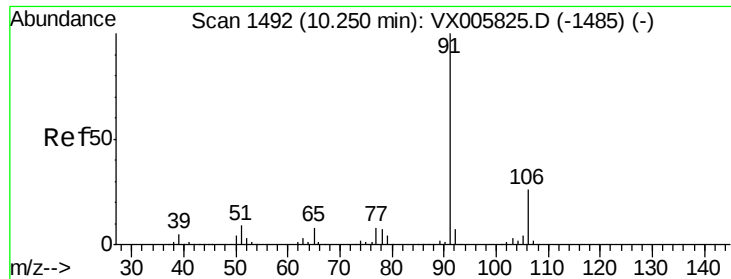
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.930 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion:131 Resp: 6303
Ion Ratio Lower Upper
131 100
133 86.8 47.5 142.5
119 63.0 31.8 95.3





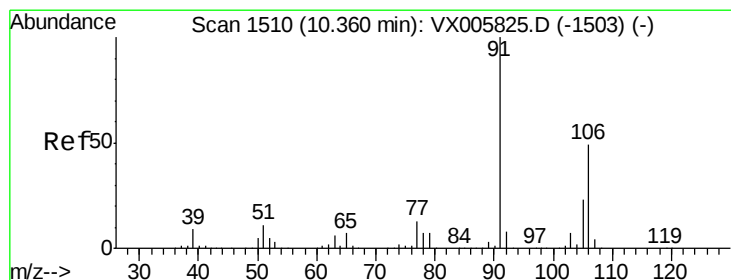
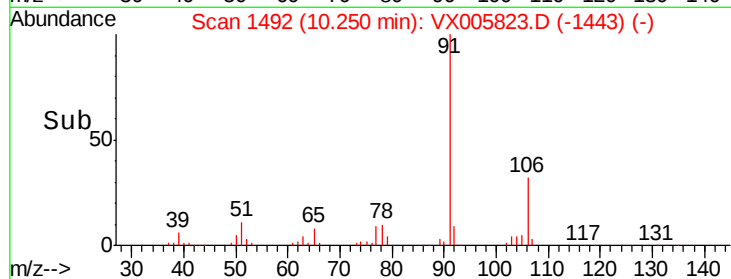
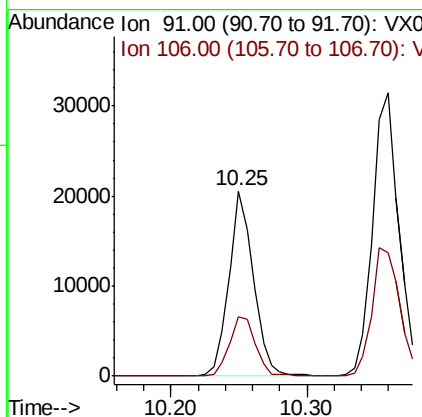
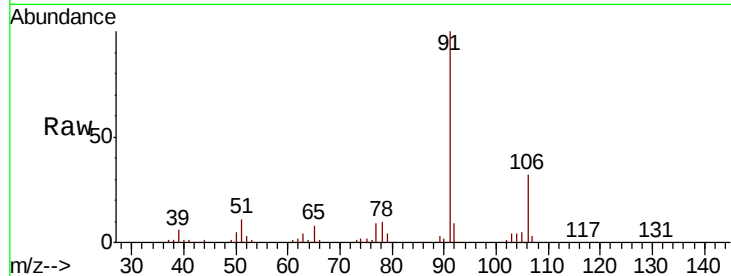
#67
Ethyl Benzene
Concen: 4.047 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 25794
Ion Ratio Lower Upper
91 100
106 32.0 24.4 36.6

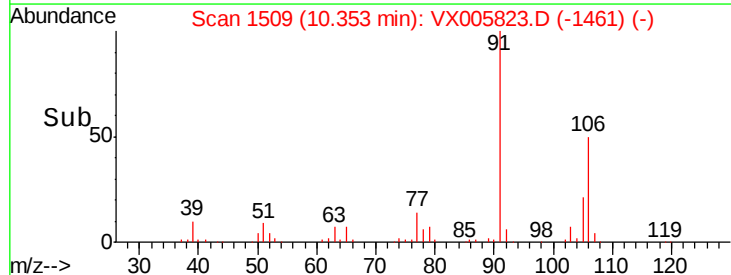
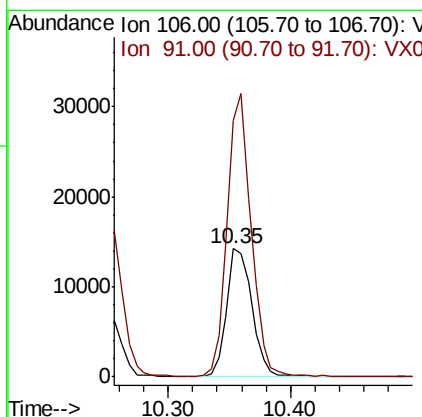
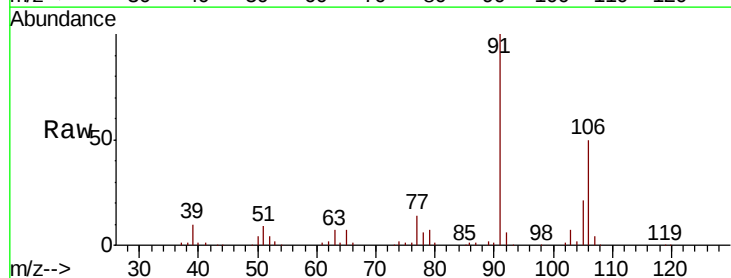
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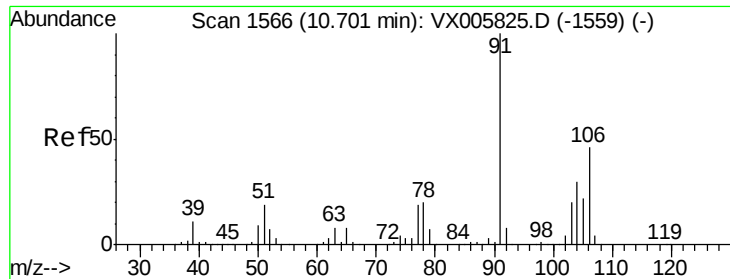
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#68
m/p-Xylenes
Concen: 8.649 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion: 106 Resp: 20486
Ion Ratio Lower Upper
106 100
91 208.9 164.2 246.4





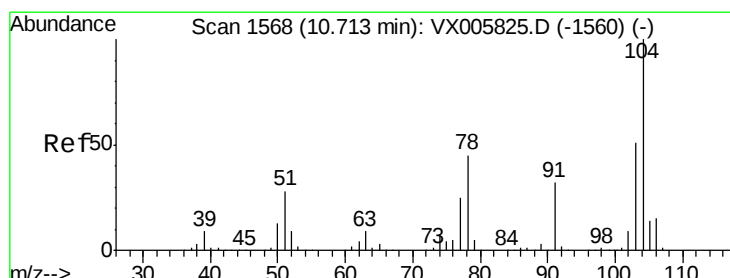
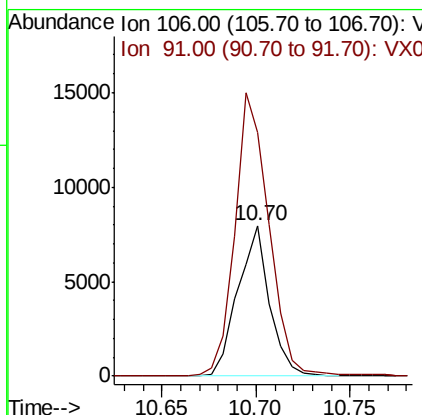
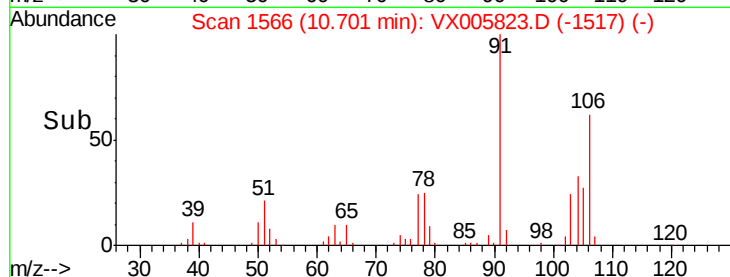
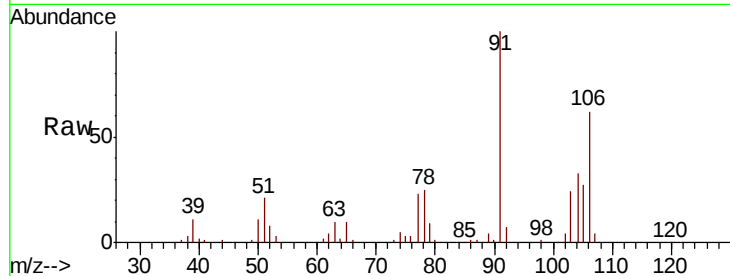
#69
o-Xylene
Concen: 4.095 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 9277
Ion Ratio Lower Upper
106 100
91 201.8 108.5 325.5

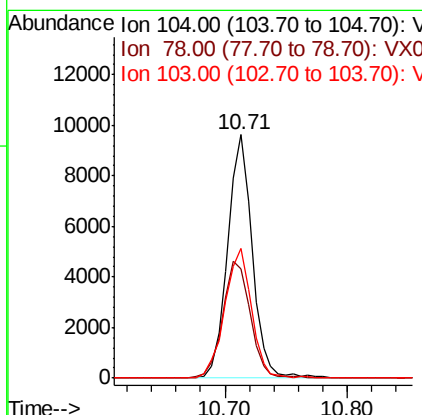
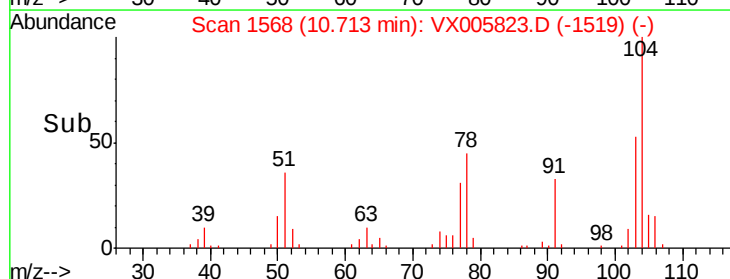
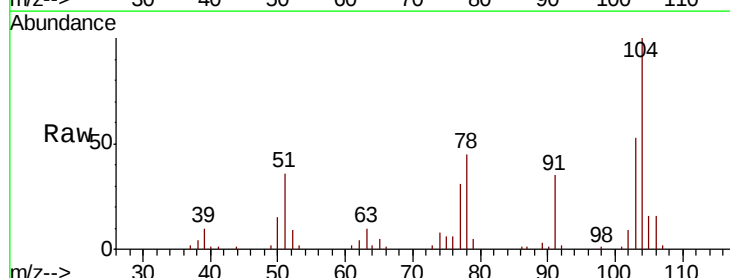
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#70
Styrene
Concen: 3.547 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion:104 Resp: 13345
Ion Ratio Lower Upper
104 100
78 53.9 40.2 60.4
103 57.5 44.9 67.3





#71

Bromoform

Concen: 4.588 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

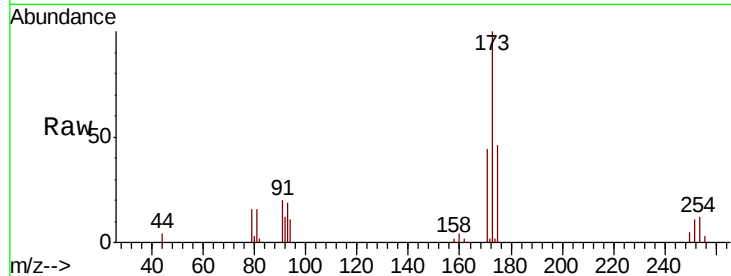
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.4	24.8	74.3
254	0.0	0.2	0.2

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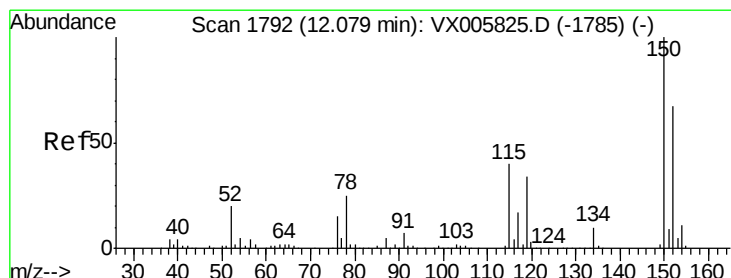
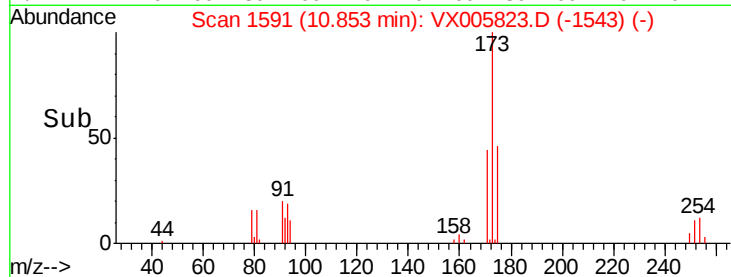
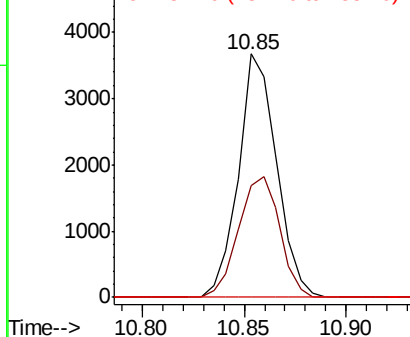


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

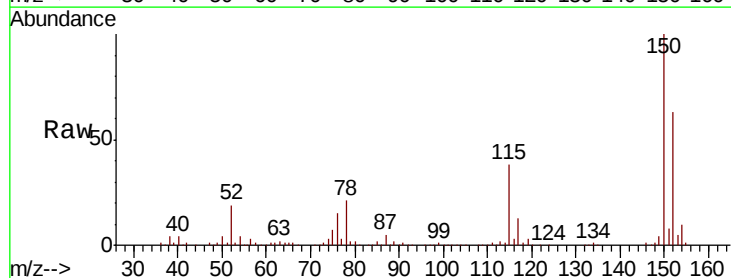
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	39.4	118.1
150	167.7	0.0	346.4

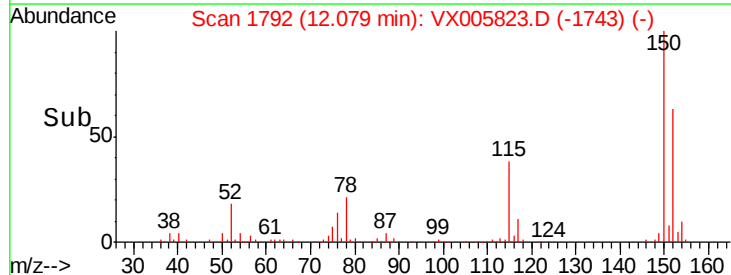
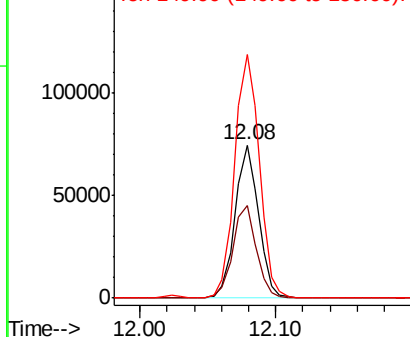


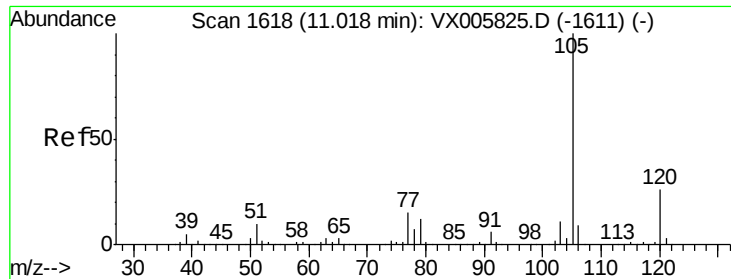
Abundance

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: 4.147 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 24371

Ion Ratio Lower Upper

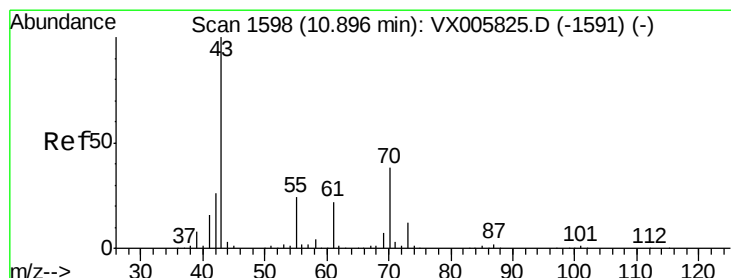
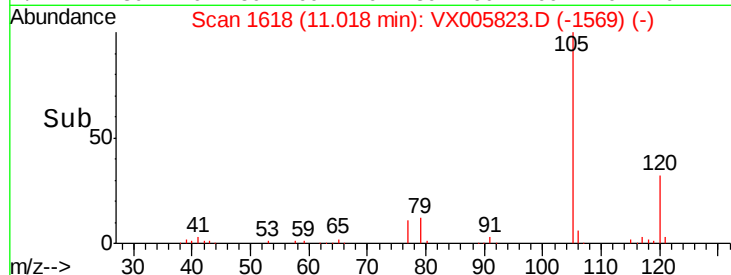
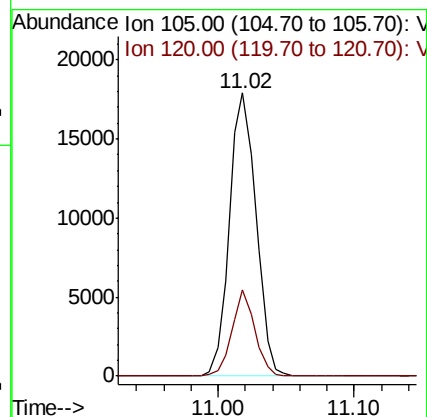
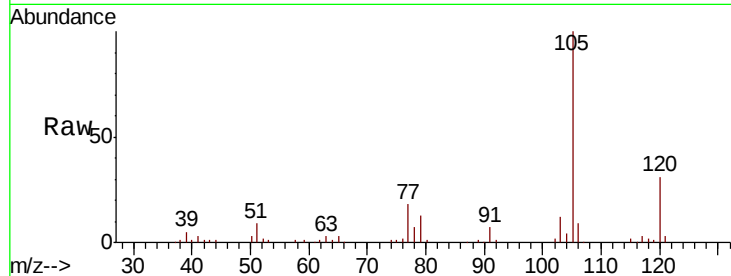
105 100

120 26.1 13.1 39.3

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#74

N-ethyl acetate

Concen: 3.676 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion: 43 Resp: 11499

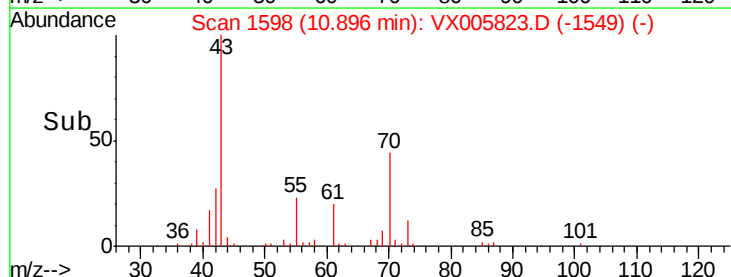
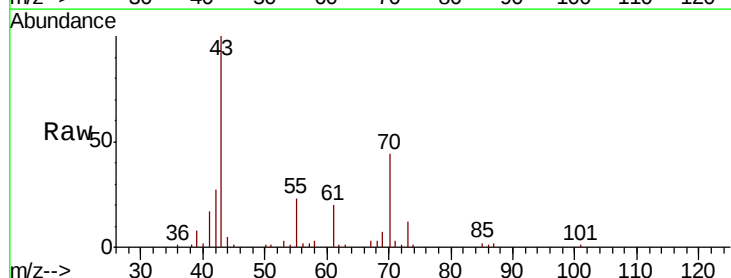
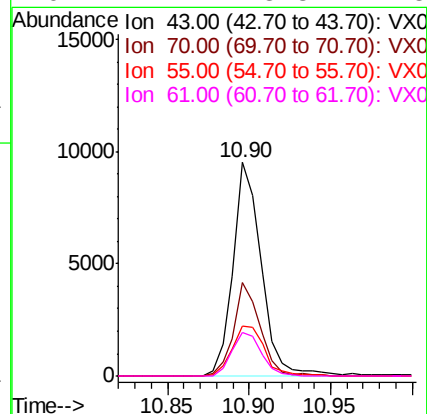
Ion Ratio Lower Upper

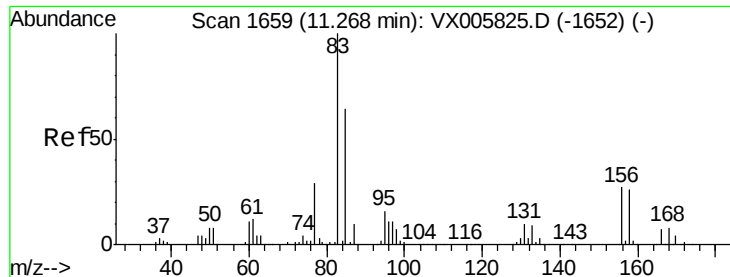
43 100

70 41.1 31.6 47.4

55 27.1 19.7 29.5

61 21.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 3.940 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

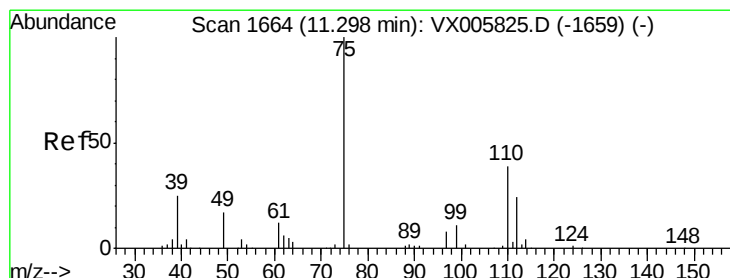
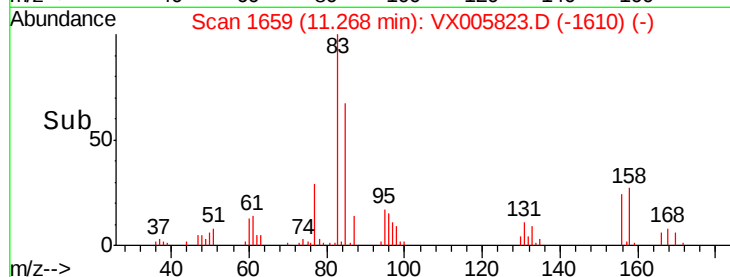
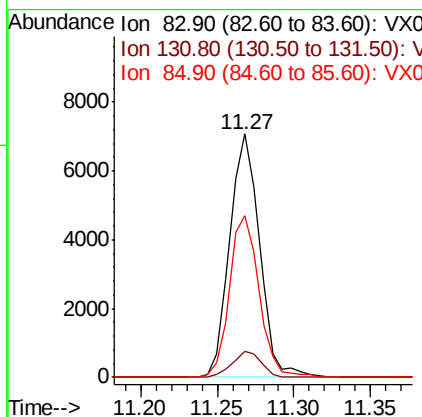
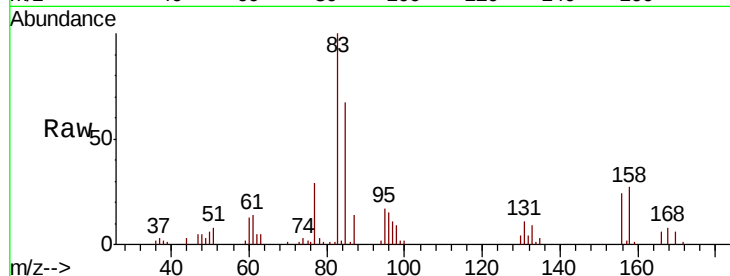
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9604
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.9
85	65.7	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 4.231 ug/l m

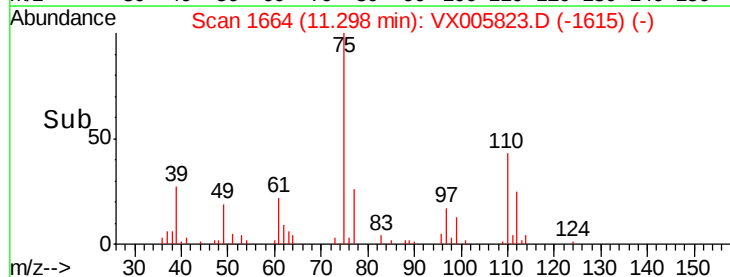
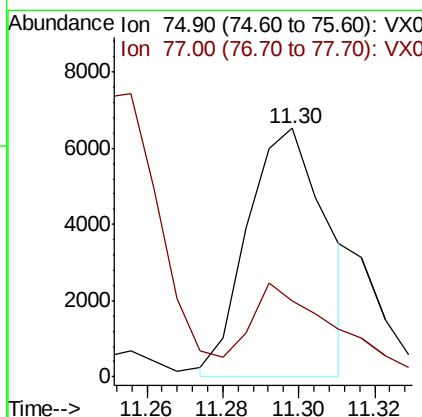
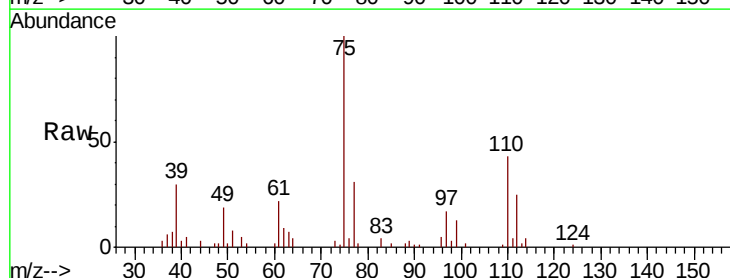
RT: 11.30 min Scan# 1664

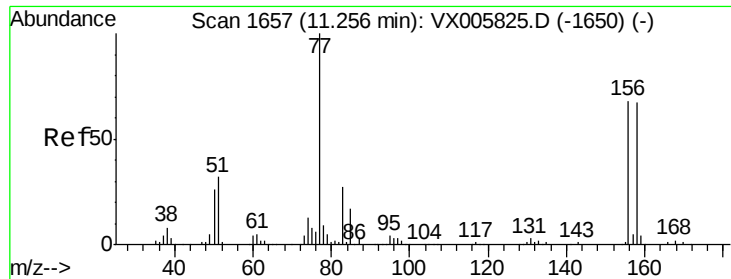
Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion:	75	Resp:	9385
Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.5	61.6





#77

Bromobenzene

Concen: 5.130 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 7478

Ion Ratio Lower Upper

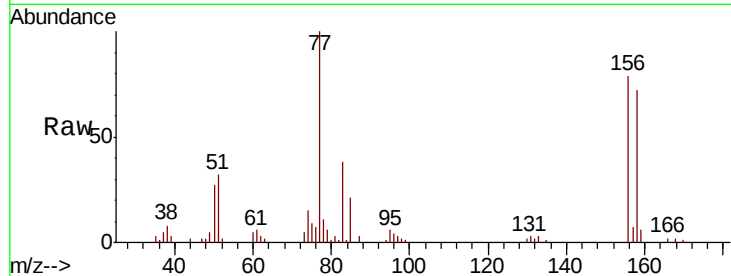
156 100

77 139.9 74.8 224.4

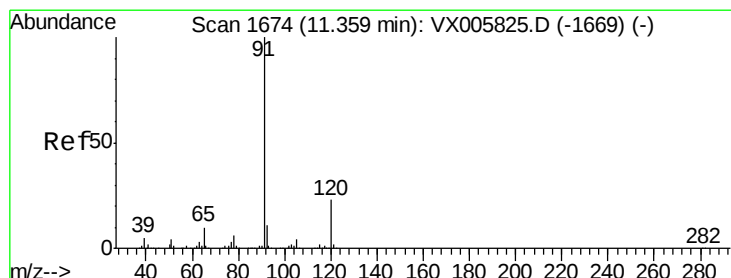
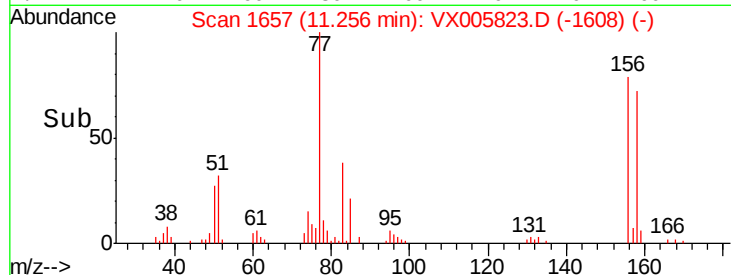
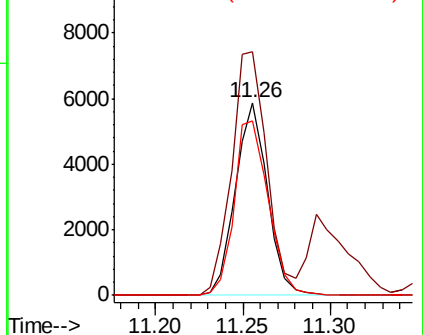
158 96.6 49.1 147.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.302 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005823.D

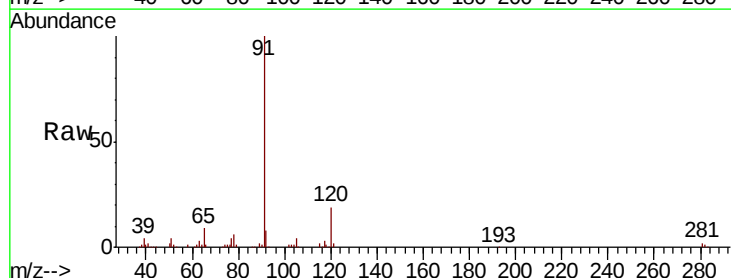
Acq: 07 Nov 2018 12:32

Tgt Ion: 91 Resp: 30754

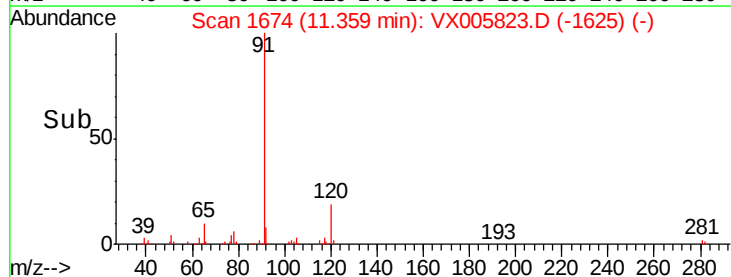
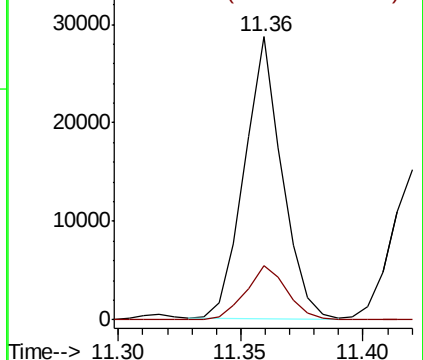
Ion Ratio Lower Upper

91 100

120 21.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





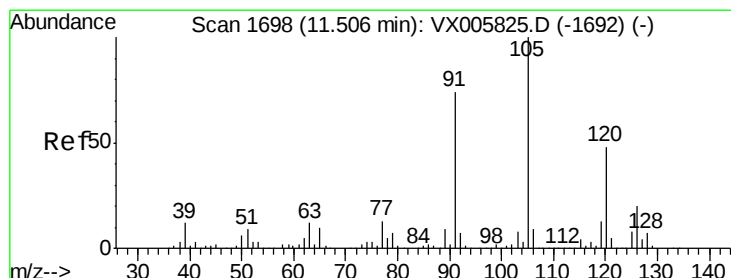
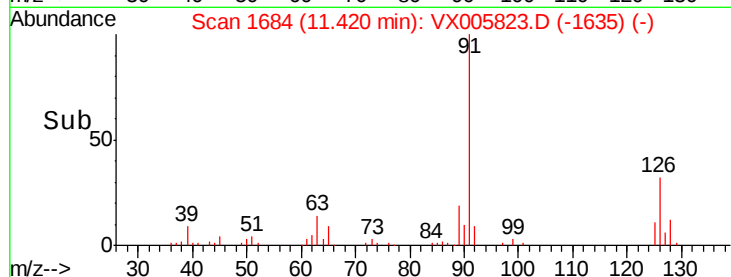
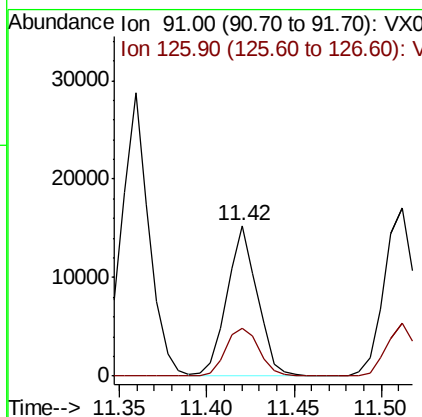
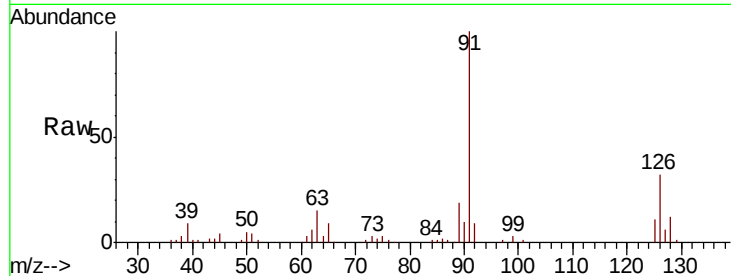
#79
 2-Chlorotoluene
 Concen: 4.264 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 18203
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.3 52.0

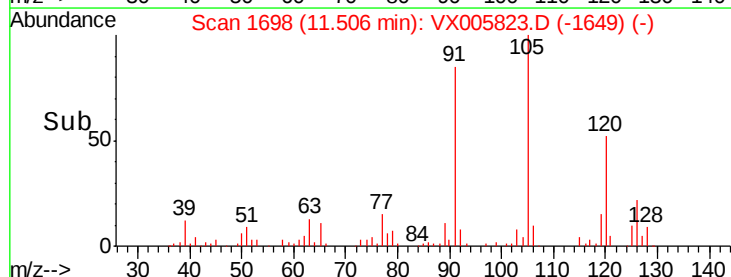
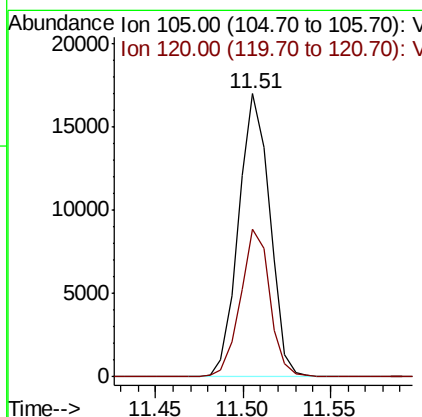
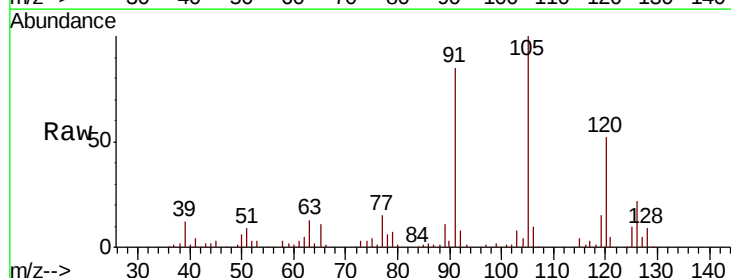
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.240 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Tgt Ion: 105 Resp: 21155
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 3.657 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

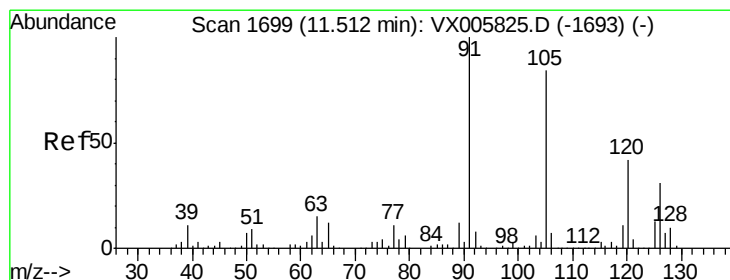
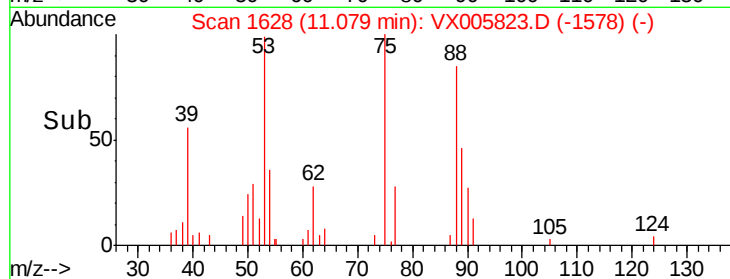
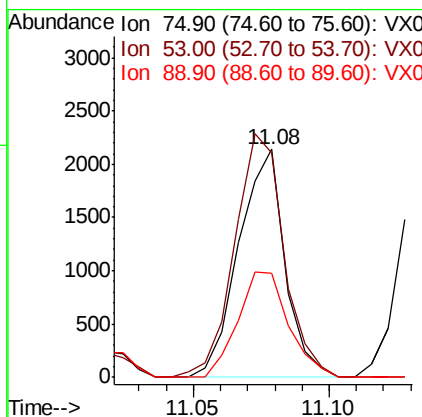
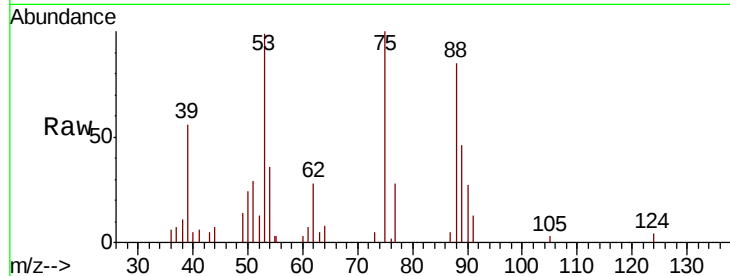
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	2511
Ion	Ratio	Lower	Upper
75	100		
53	114.1	80.2	120.2
89	50.7	39.8	59.8

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#82

4-Chlorotoluene

Concen: 4.141 ug/l

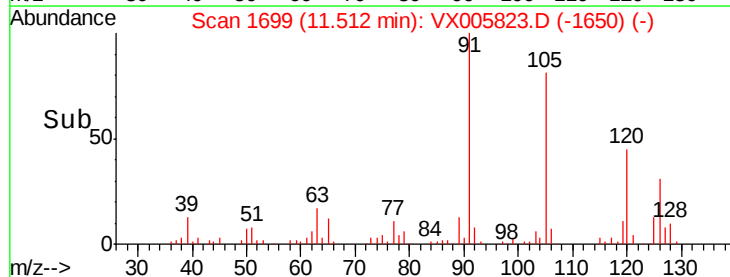
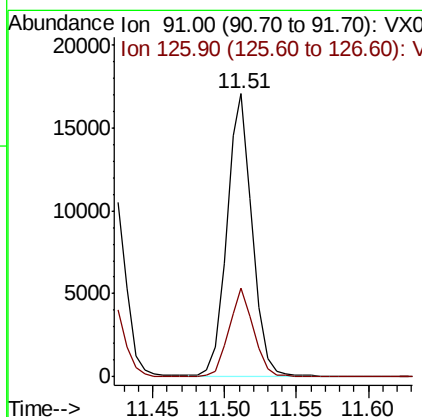
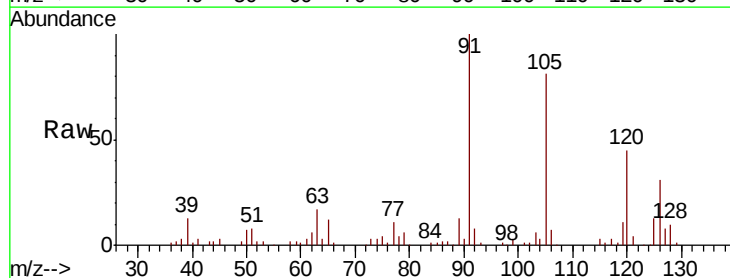
RT: 11.51 min Scan# 1699

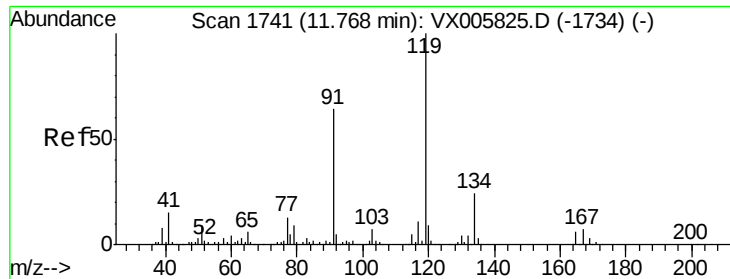
Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion:	91	Resp:	21106
Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.2	45.6





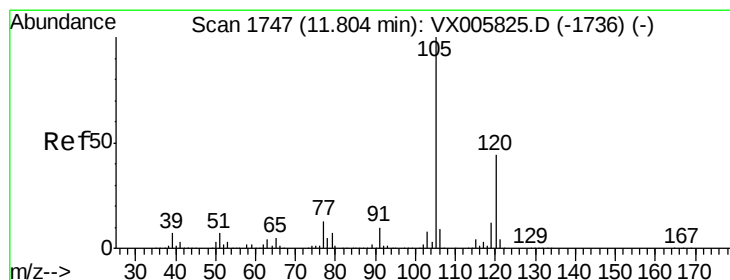
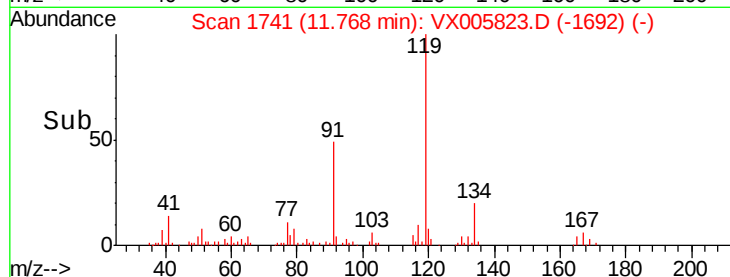
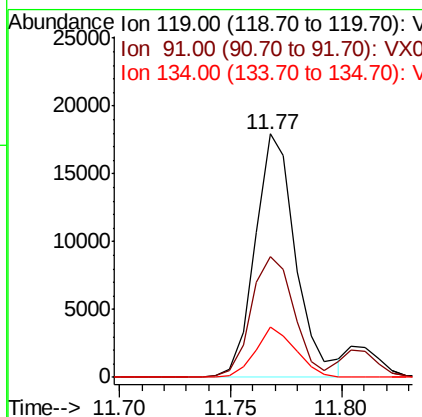
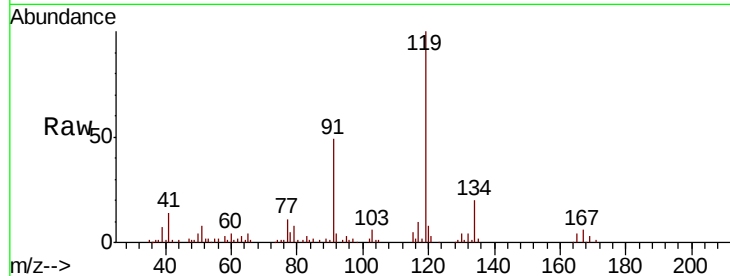
#83
 tert-Butylbenzene
 Concen: 4.787 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	52.3	28.5	85.5
134	20.4	11.3	33.8

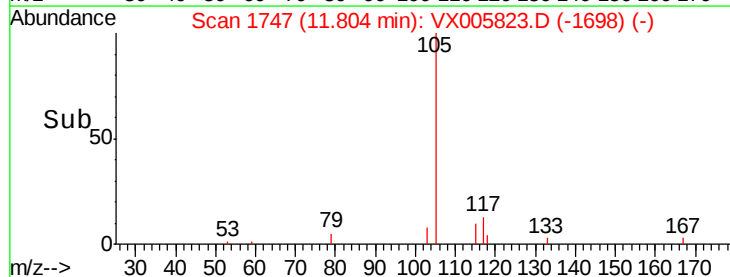
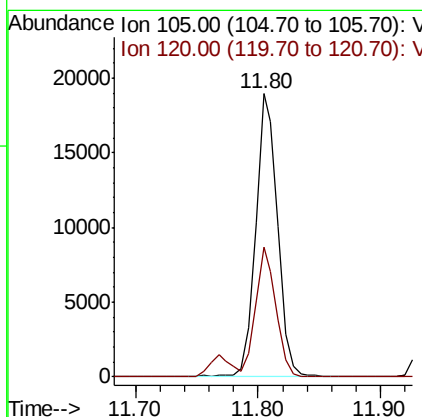
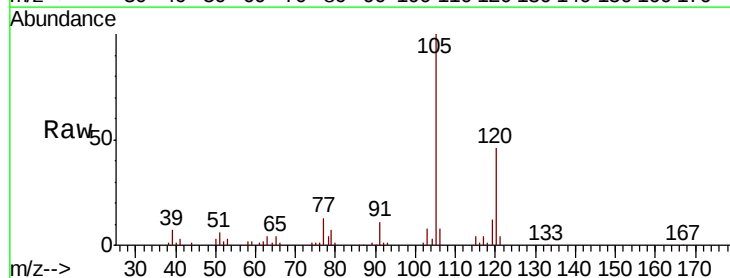
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.708 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.4	67.0





#85

sec-Butylbenzene

Concen: 4.848 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 29607

Ion Ratio Lower Upper

105 100

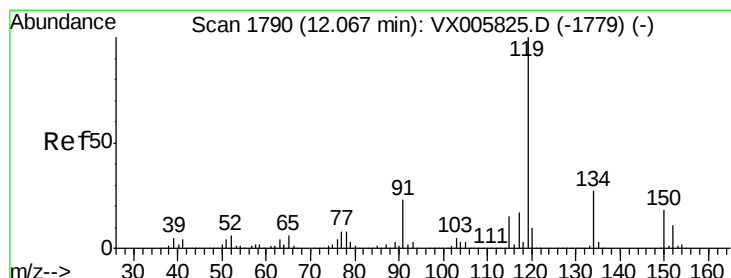
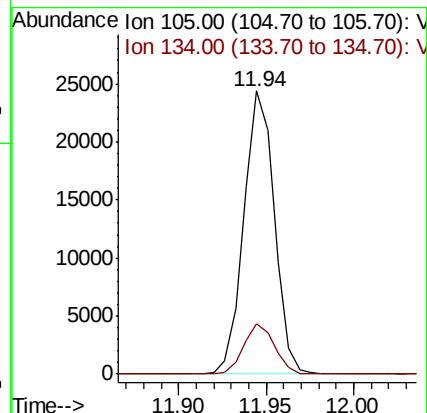
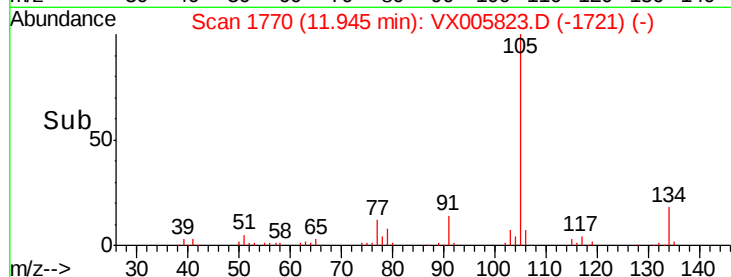
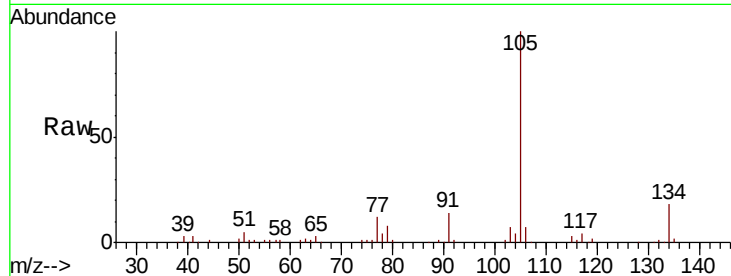
134 18.0 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 4.403 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

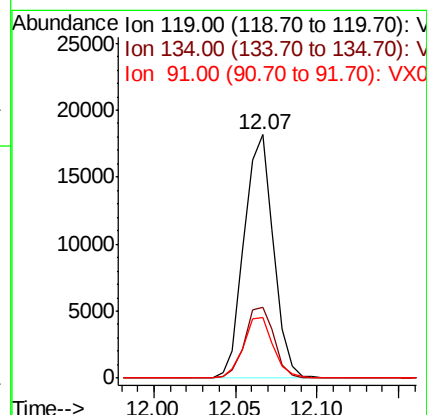
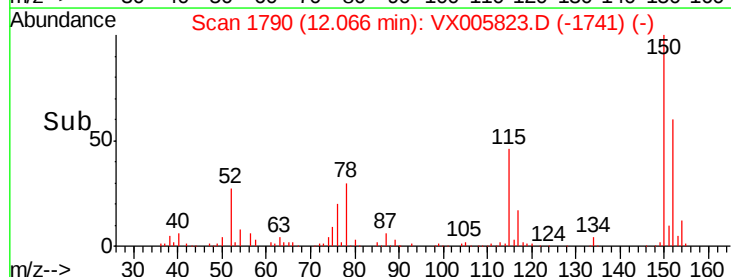
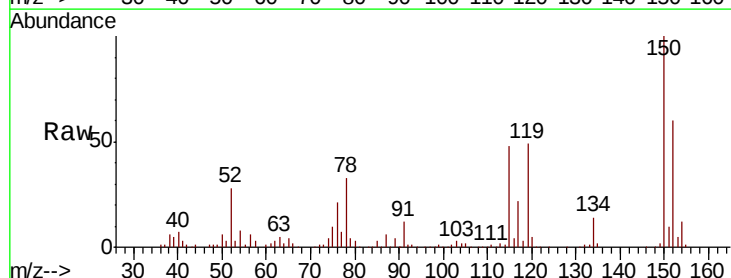
Tgt Ion:119 Resp: 22867

Ion Ratio Lower Upper

119 100

134 29.0 13.0 39.0

91 25.6 11.4 34.2





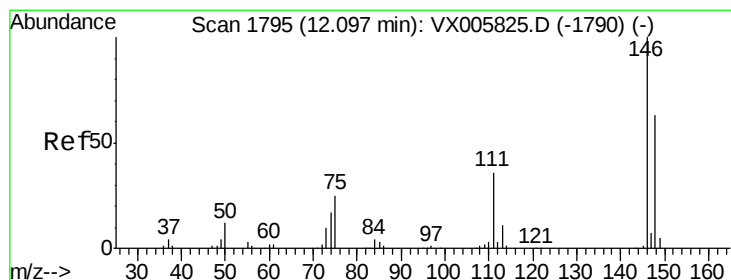
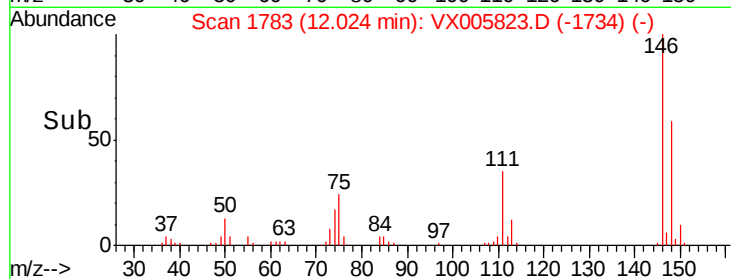
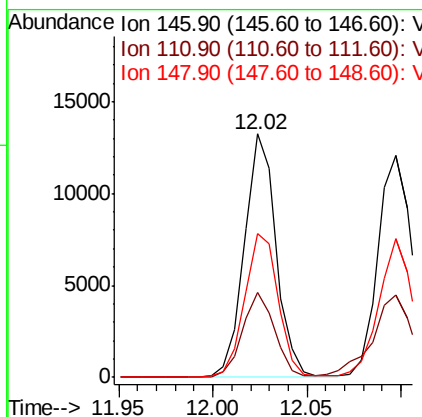
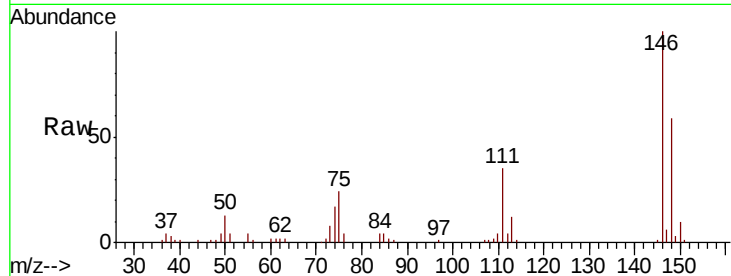
#87
 1,3-Dichlorobenzene
 Concen: 5.497 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	19.0	57.0
148	62.7	31.9	95.9

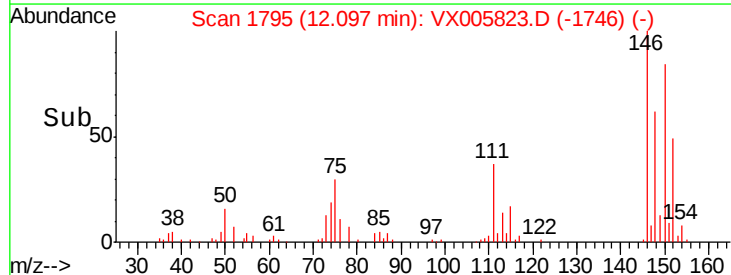
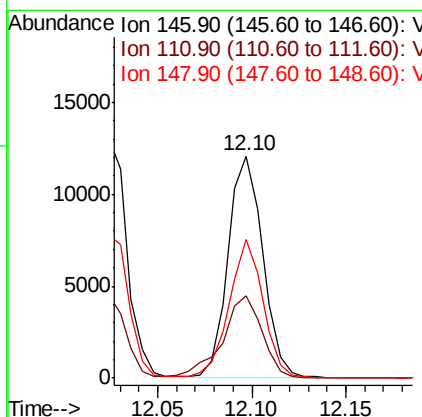
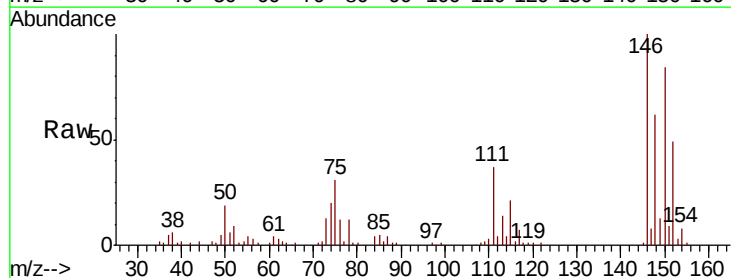
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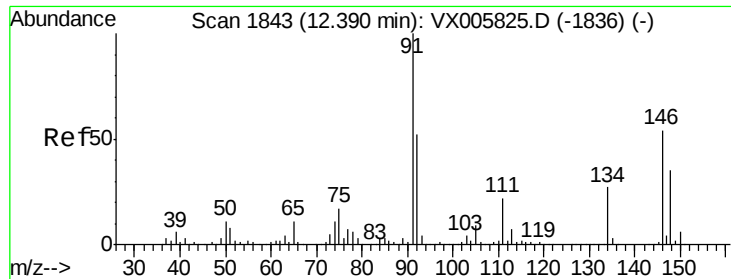
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#88
 1,4-Dichlorobenzene
 Concen: 5.102 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	18.6	55.8
148	61.4	32.1	96.3





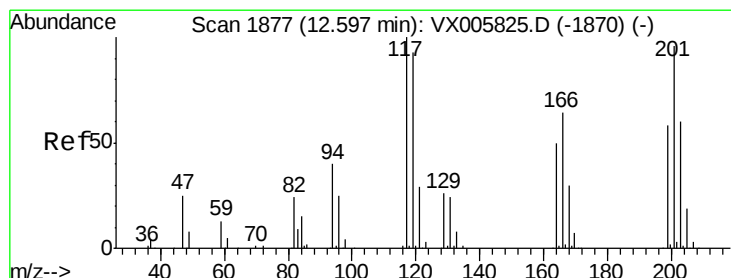
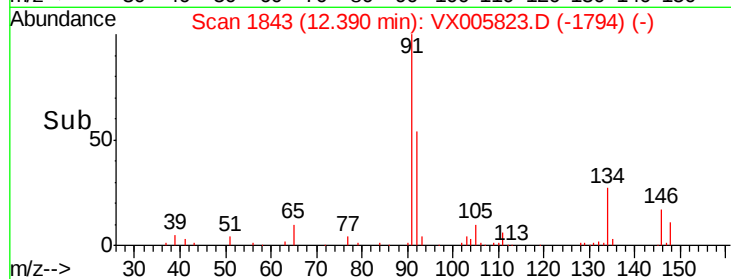
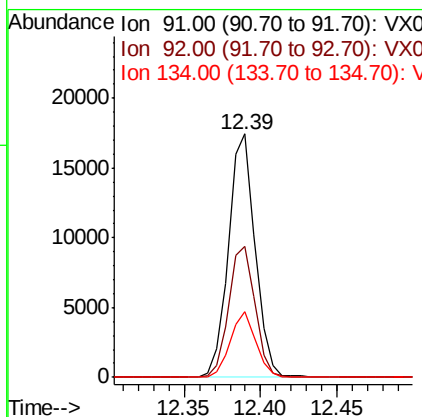
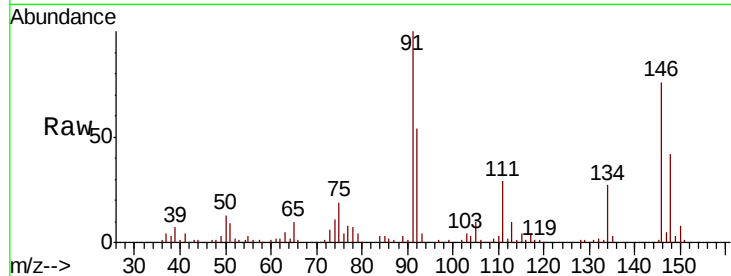
#89
n-Butylbenzene
Concen: 4.021 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		21072		
92	53.0	26.1	78.2		
134	25.7	13.1	39.3		

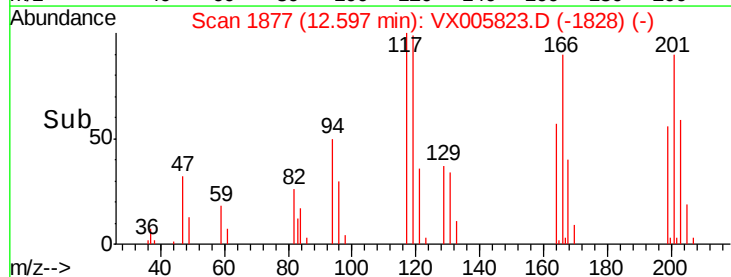
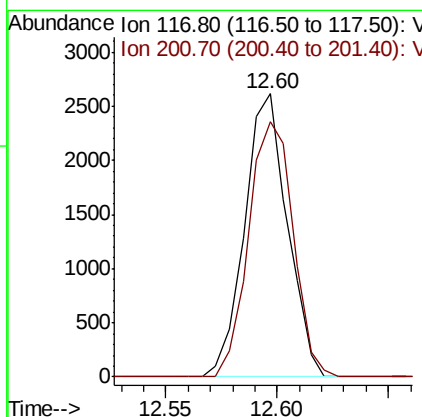
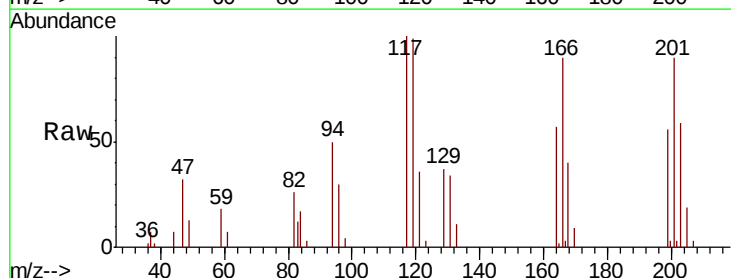
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#90
Hexachloroethane
Concen: 3.803 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		3504		
201	93.5	47.9	143.6		





#91

1,2-Dichlorobenzene

Concen: 5.154 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Instrument :

MSVOA_X

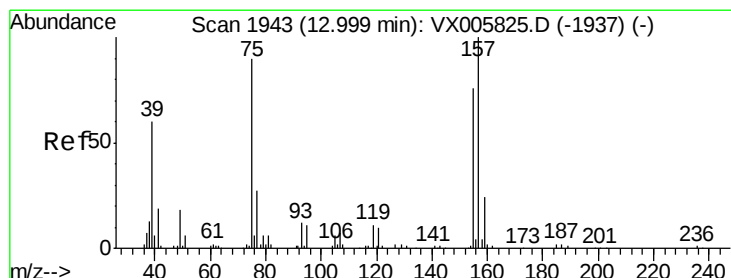
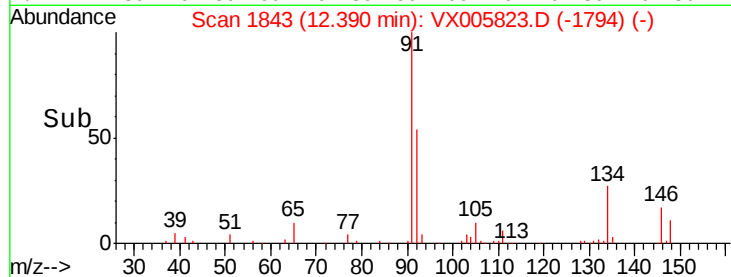
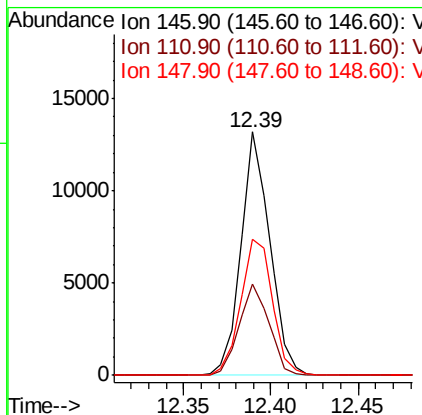
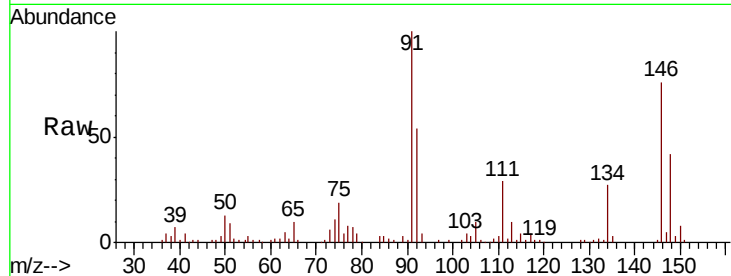
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	15176
Ion Ratio	Lower	Upper	
146	100		
111	38.6	20.0	59.9
148	61.1	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 3.403 ug/l

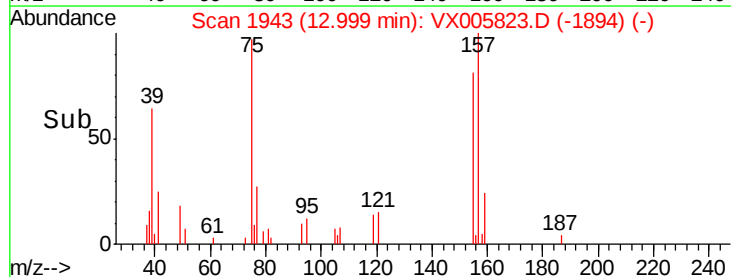
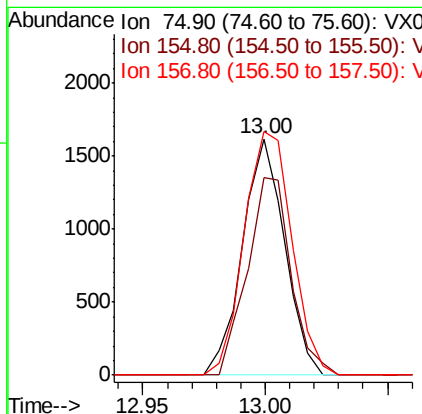
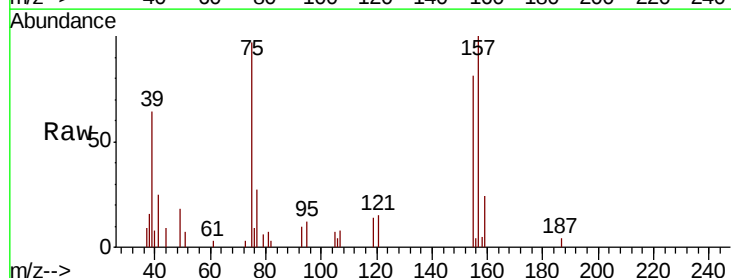
RT: 13.00 min Scan# 1943

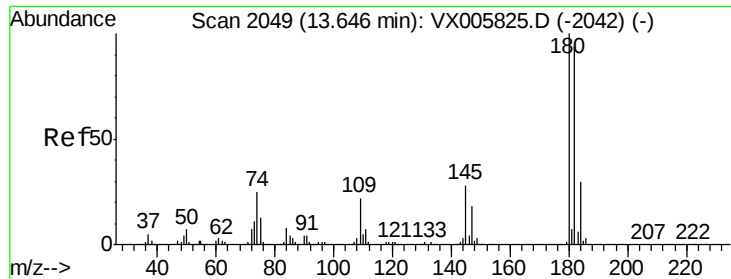
Delta R.T. -0.00 min

Lab File: VX005823.D

Acq: 07 Nov 2018 12:32

Tgt Ion:	75	Resp:	1946
Ion Ratio	Lower	Upper	
75	100		
155	87.0	45.4	136.1
157	116.4	57.4	172.0





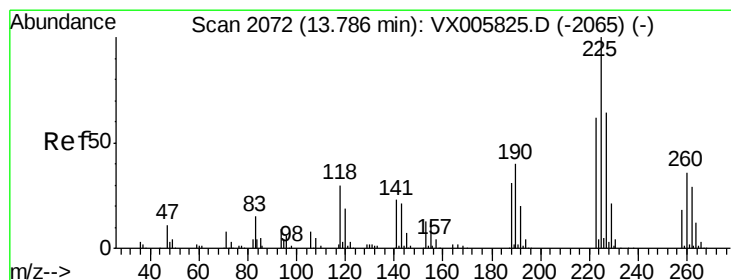
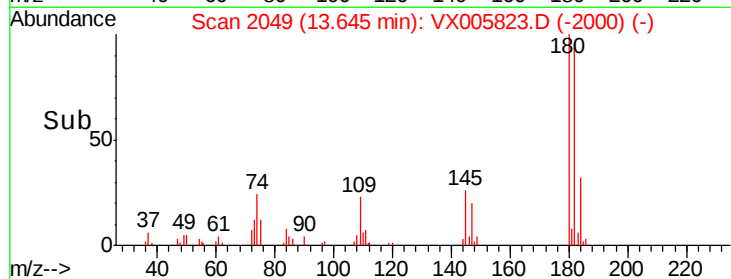
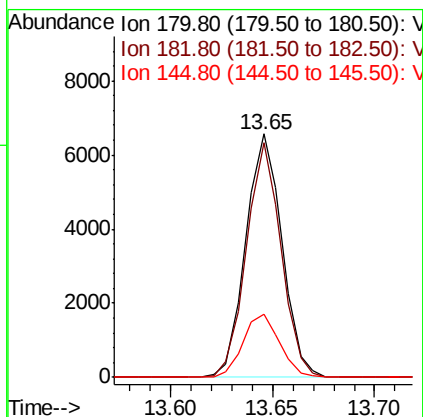
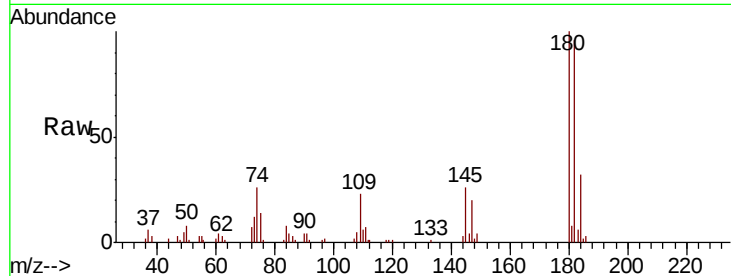
#93
 1,2,4-Trichlorobenzene
 Concen: 4.286 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.6	142.8
145	26.4	14.1	42.2

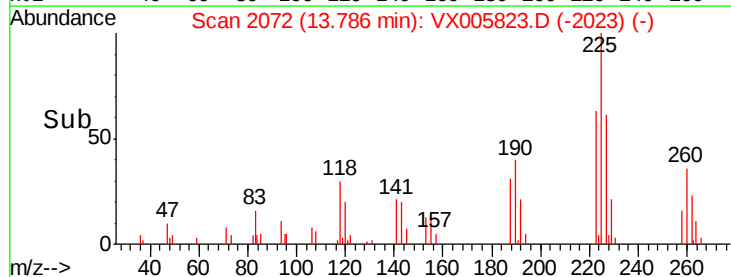
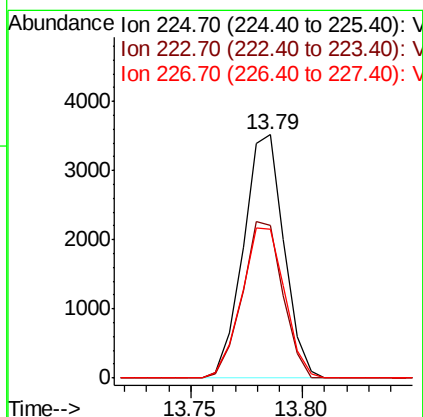
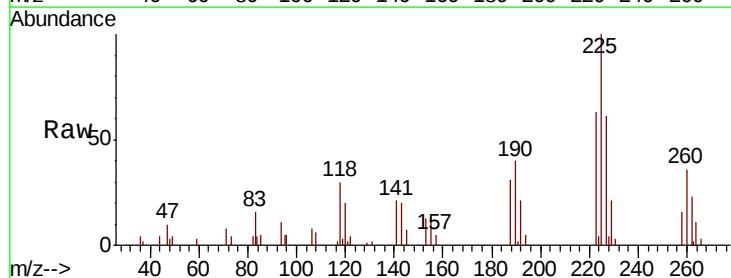
Manual Integrations
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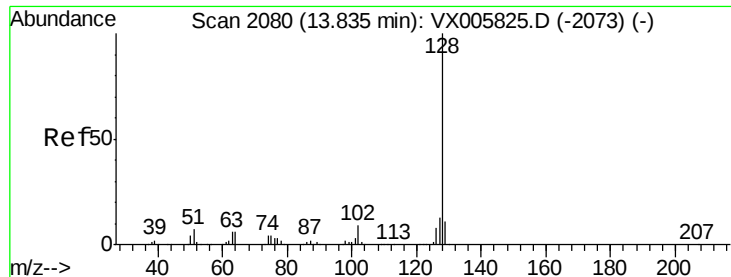
MMDadoda
 11/8/2018 10:35:20 AM



#94
 Hexachlorobutadiene
 Concen: 4.895 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005823.D
 Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.7	95.1
227	65.3	32.3	96.9





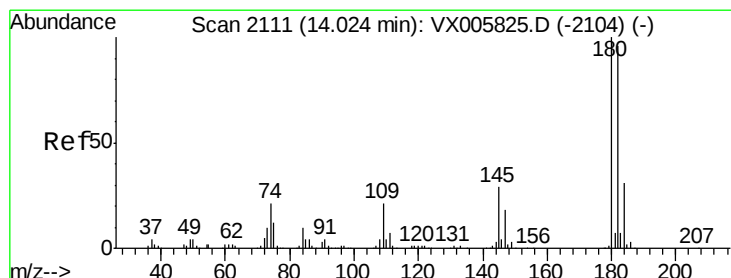
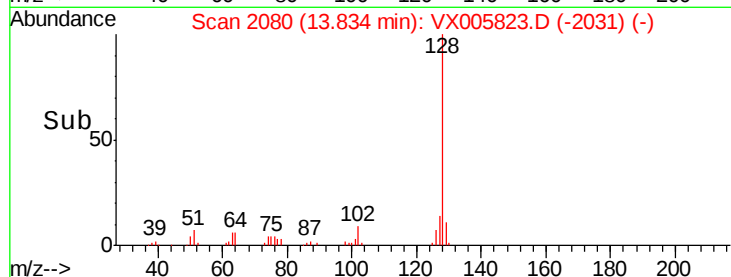
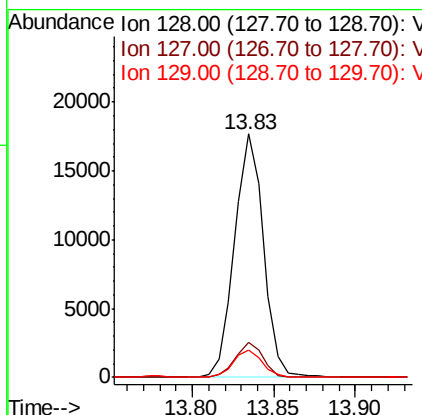
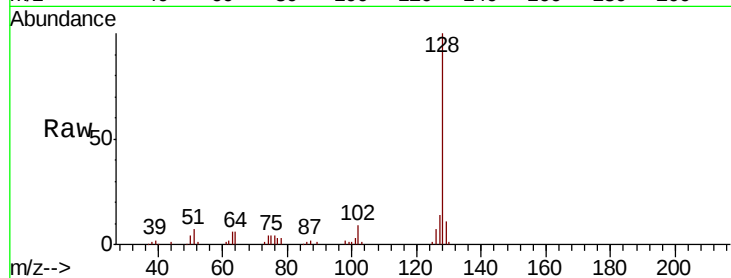
#95
Naphthalene
Concen: 3.508 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.351 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005823.D
Acq: 07 Nov 2018 12:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.0	144.2
145	30.5	15.1	45.3

