

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122118\
 Data File : VW007703.D
 Acq On : 19 Dec 2018 15:45
 Operator : SY/AP
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 12/20/2018 11:19:45 AM

Quant Time: Dec 20 06:28:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 05:57:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	72190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	115358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	105264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	83225	105.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.36%	
35) Dibromofluoromethane	7.88	113	73898	105.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.02%	
50) Toluene-d8	10.32	98	275804	103.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.92%	
62) 4-Bromofluorobenzene	12.62	95	105213	102.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	67847	105.720	ug/l	96
3) Chloromethane	2.22	50	43165	109.534	ug/l	95
4) Vinyl Chloride	2.37	62	52747	105.148	ug/l	91
5) Bromomethane	2.78	94	36961	105.784	ug/l	93
6) Chloroethane	2.93	64	28959	107.905	ug/l	96
7) Trichlorofluoromethane	3.26	101	58391	111.804	ug/l	98
8) Diethyl Ether	3.68	74	33977	106.215	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	77539	102.101	ug/l	97
10) Methyl Iodide	4.26	142	126190	103.165	ug/l	100
11) Tert butyl alcohol	5.18	59	26923	504.412	ug/l	98
12) 1,1-Dichloroethene	4.03	96	74045	103.961	ug/l	99
13) Acrolein	3.89	56	21067	493.644	ug/l	98
14) Allyl chloride	4.66	41	96378	103.188	ug/l	99
15) Acrylonitrile	5.37	53	73291	537.110	ug/l	99
16) Acetone	4.12	43	72846	491.650	ug/l	94
17) Carbon Disulfide	4.37	76	225573	102.344	ug/l	98
18) Methyl Acetate	4.67	43	38263	108.587	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	105352	103.032	ug/l	95
20) Methylene Chloride	4.91	84	75104	84.101	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	80550	102.830	ug/l	96
22) Diisopropyl ether	6.31	45	181887	104.001	ug/l	99
23) Vinyl Acetate	6.25	43	562773	541.612	ug/l	100
24) 1,1-Dichloroethane	6.21	63	133404	103.688	ug/l	99
25) 2-Butanone	7.17	43	90883	523.682	ug/l	99
26) 2,2-Dichloropropane	7.16	77	92837	98.608	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	85754	102.754	ug/l	99
28) Bromochloromethane	7.51	49	45913	104.665	ug/l #	99
29) Tetrahydrofuran	7.53	42	56905	549.714	ug/l	99
30) Chloroform	7.68	83	150495	103.360	ug/l	100
31) Cyclohexane	7.95	56	114591	97.289	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	136516	102.948	ug/l	99
36) 1,1-Dichloropropene	8.08	75	114509	102.845	ug/l	100
37) Ethyl Acetate	7.25	43	40339	104.980	ug/l	98
38) Carbon Tetrachloride	8.07	117	137505	104.865	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	143703	103.867	ug/l	98
40) Benzene	8.32	78	303912	102.289	ug/l	98
41) Methacrylonitrile	7.48	41	24363	111.674	ug/l	95
42) 1,2-Dichloroethane	8.40	62	104401	104.854	ug/l	100
43) Isopropyl Acetate	8.43	43	83127	107.980	ug/l	98
44) Trichloroethene	9.09	130	91945	102.331	ug/l	99
45) 1,2-Dichloropropane	9.37	63	69109	104.828	ug/l	98
46) Dibromomethane	9.46	93	42570	104.898	ug/l	99
47) Bromodichloromethane	9.65	83	112630	105.569	ug/l	99
48) Methyl methacrylate	9.44	41	41888	109.008	ug/l	97
49) 1,4-Dioxane	9.45	88	14043	2182.570	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	195607	537.645	ug/l	99
52) Toluene	10.39	92	203144	101.907	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	115073	108.438	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	124029	105.812	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	59562	106.463	ug/l	96
56) Ethyl methacrylate	10.65	69	74025	111.988	ug/l	98
57) 1,3-Dichloropropane	10.93	76	97469	104.916	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	158425	524.935	ug/l	99
59) 2-Hexanone	10.97	43	141052	551.275	ug/l	99
60) Dibromochloromethane	11.13	129	78645	106.167	ug/l	99
61) 1,2-Dibromoethane	11.24	107	60310	106.451	ug/l	99
64) Tetrachloroethene	10.86	164	76083	102.070	ug/l	98
65) Chlorobenzene	11.66	112	231575	101.641	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	84540	103.845	ug/l	99
67) Ethyl Benzene	11.73	91	403824	103.289	ug/l	98
68) m/p-Xylenes	11.84	106	308976	203.728	ug/l	98
69) o-Xylene	12.17	106	147148	103.506	ug/l	99
70) Styrene	12.18	104	247437	105.884	ug/l	99
71) Bromoform	12.35	173	46298	109.551	ug/l #	99
73) Isopropylbenzene	12.47	105	419893	105.503	ug/l	100
74) N-amyl acetate	12.27	43	76917	111.575	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	63413	106.269	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50104m	62.860	ug/l	
77) Bromobenzene	12.75	156	94982	104.136	ug/l	99
78) n-propylbenzene	12.81	91	485388	104.771	ug/l	100
79) 2-Chlorotoluene	12.90	91	283753	105.138	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	358825	104.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	21494	110.867	ug/l	97
82) 4-Chlorotoluene	12.99	91	297729	103.606	ug/l	99
83) tert-Butylbenzene	13.21	119	316178	104.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	359301	103.723	ug/l	100
85) sec-Butylbenzene	13.39	105	429030	103.349	ug/l	100
86) p-Isopropyltoluene	13.50	119	383600	101.621	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	183350	101.245	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	184631	101.923	ug/l	99
89) n-Butylbenzene	13.83	91	356174	102.909	ug/l	99
90) Hexachloroethane	14.10	117	68652	103.592	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	167206	103.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13810	112.693	ug/l	97

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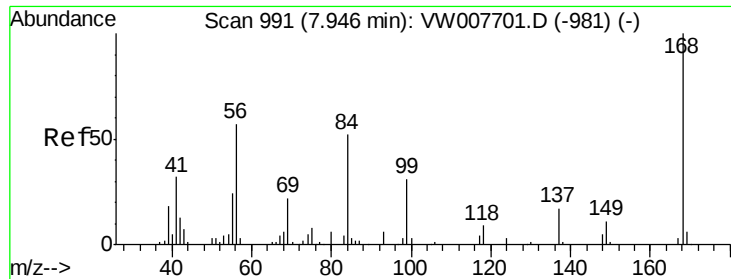
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	118319	105.126	ug/l	99
94) Hexachlorobutadiene	15.24	225	61933	102.966	ug/l	99
95) Naphthalene	15.38	128	235168	113.015	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	103949	107.894	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 72190

Ion Ratio Lower Upper

168 100

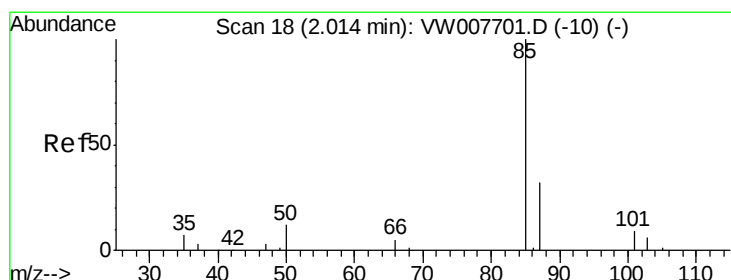
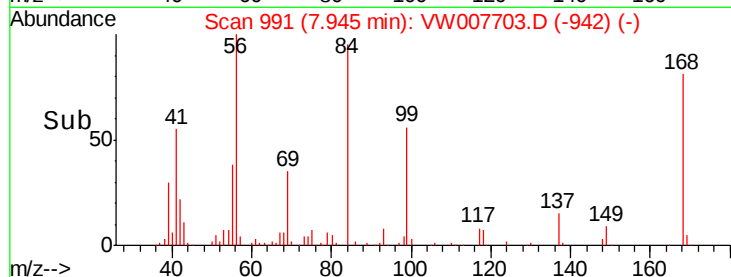
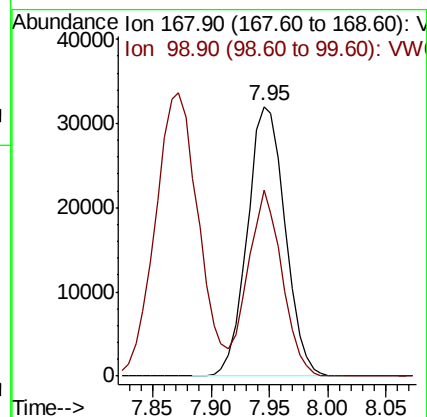
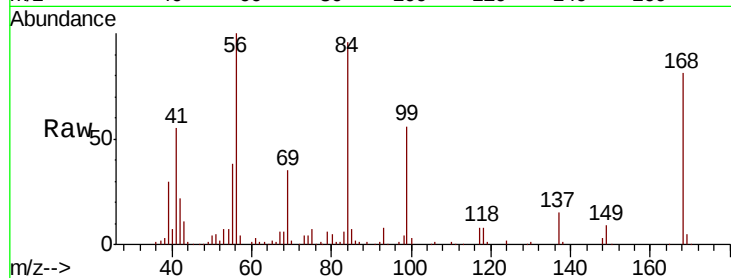
99 69.0 54.0 81.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 105.720 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007703.D

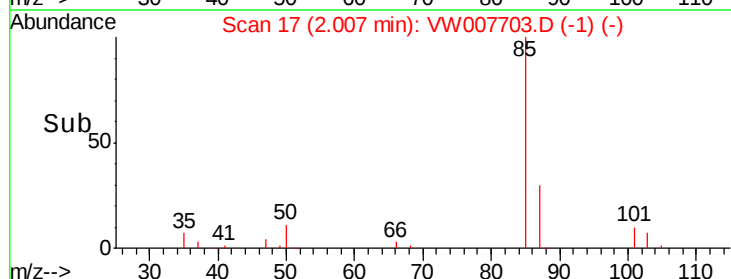
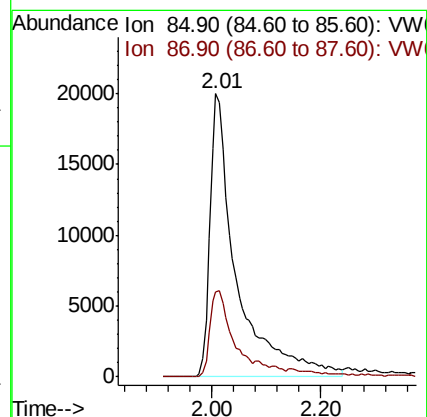
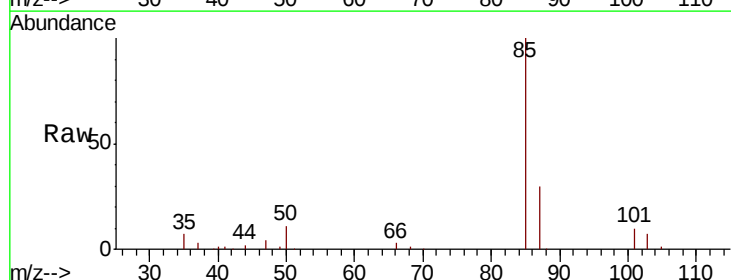
Acq: 19 Dec 2018 15:45

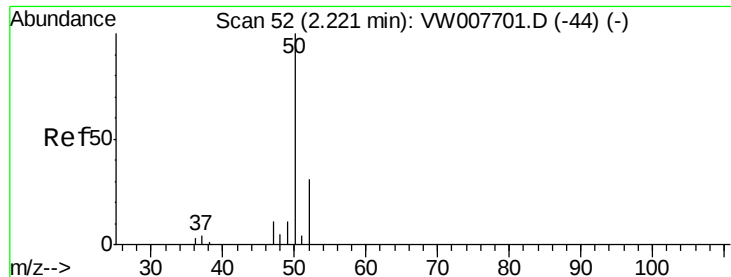
Tgt Ion: 85 Resp: 67847

Ion Ratio Lower Upper

85 100

87 30.1 16.3 48.8





#3

Chloromethane

Concen: 109.534 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 43165

Ion Ratio Lower Upper

50 100

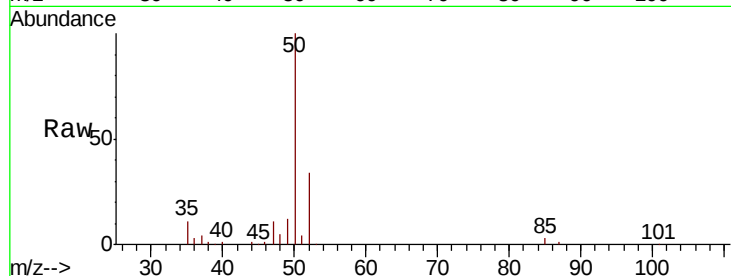
52 33.9 25.1 37.7

Manual Integrations

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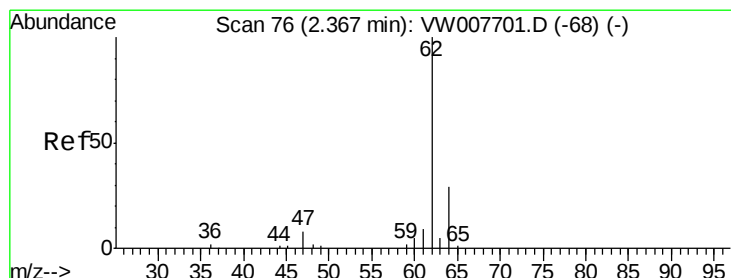
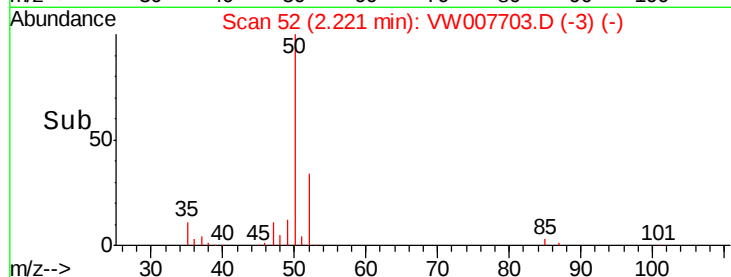
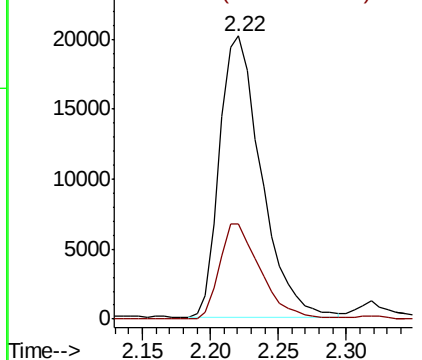
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 105.148 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007703.D

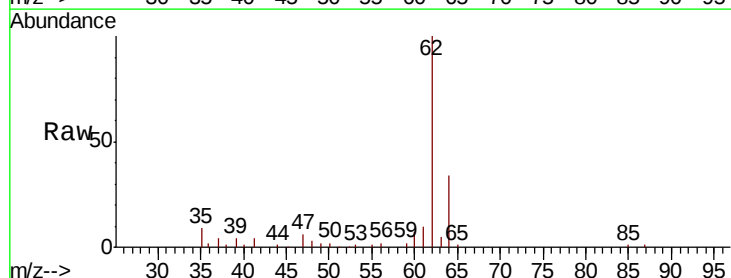
Acq: 19 Dec 2018 15:45

Tgt Ion: 62 Resp: 52747

Ion Ratio Lower Upper

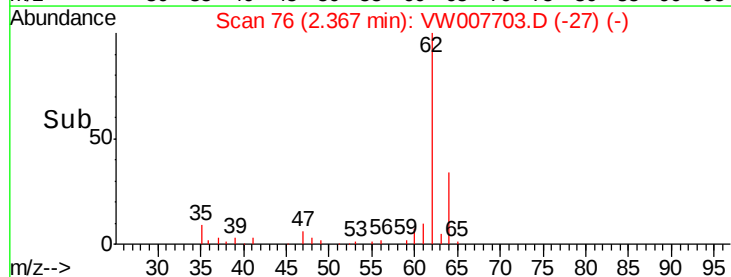
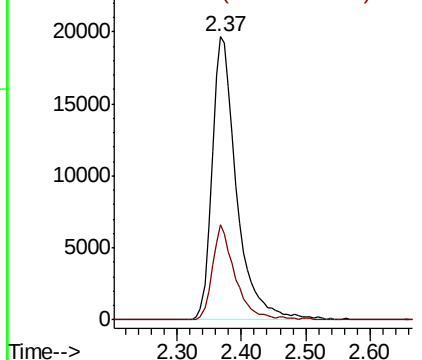
62 100

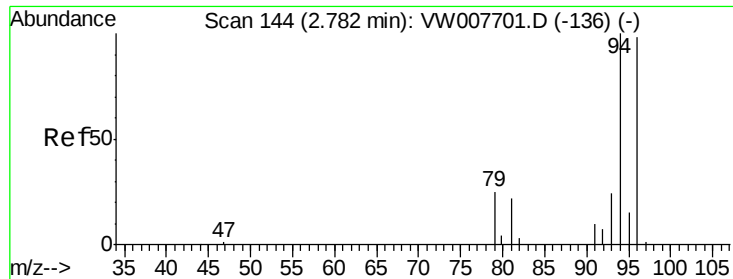
64 33.9 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 105.784 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 36961

Ion Ratio Lower Upper

94 100

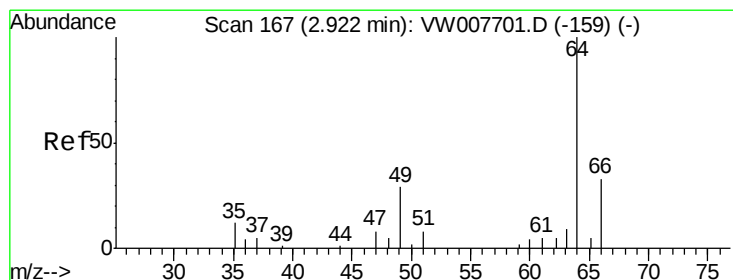
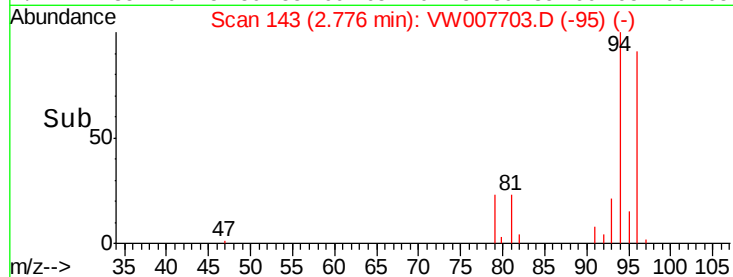
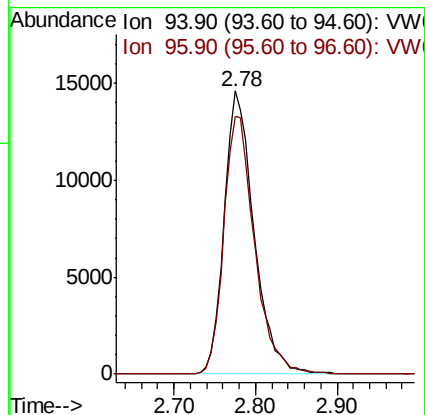
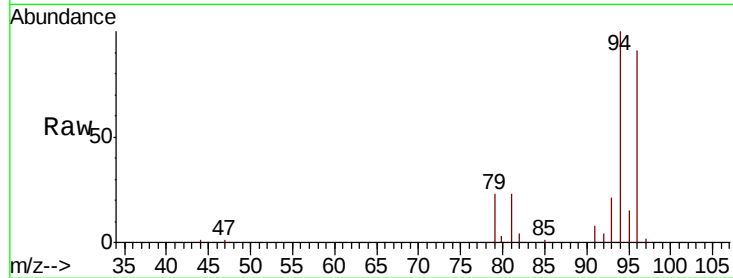
96 91.0 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 107.905 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007703.D

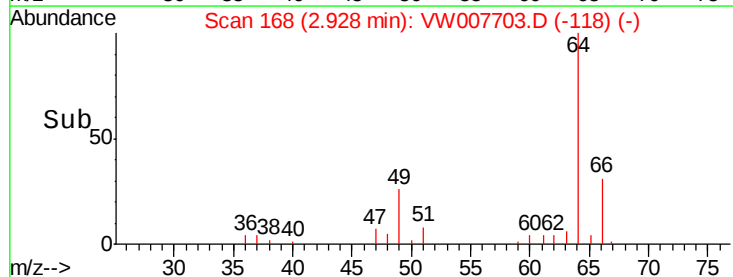
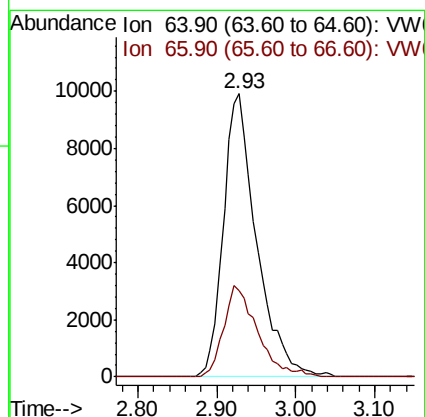
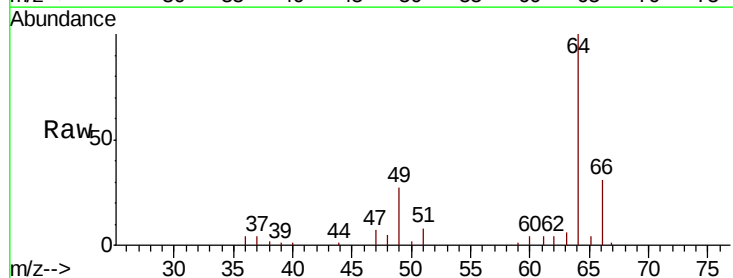
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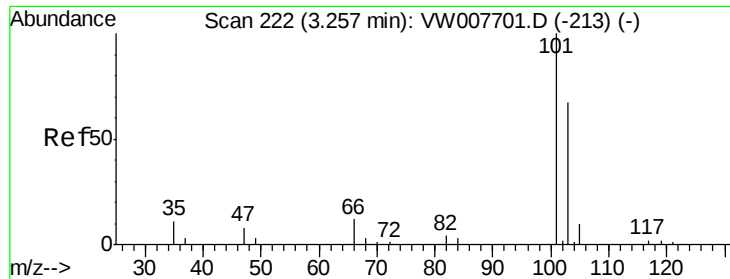
Tgt Ion: 64 Resp: 28959

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.4





#7

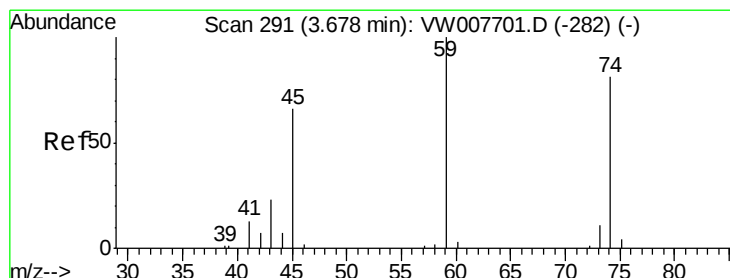
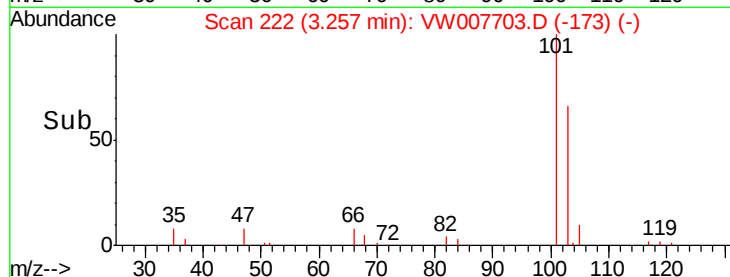
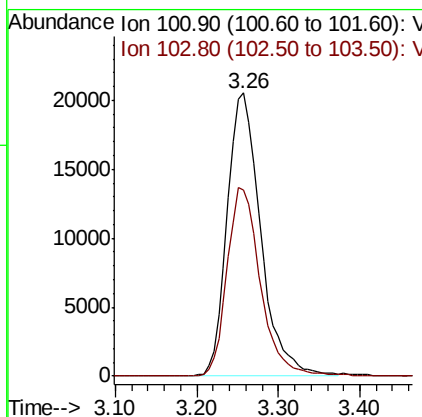
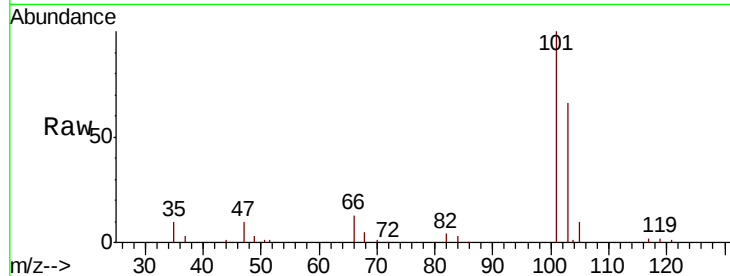
Trichlorofluoromethane
Concen: 111.804 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007703.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.4	80.2

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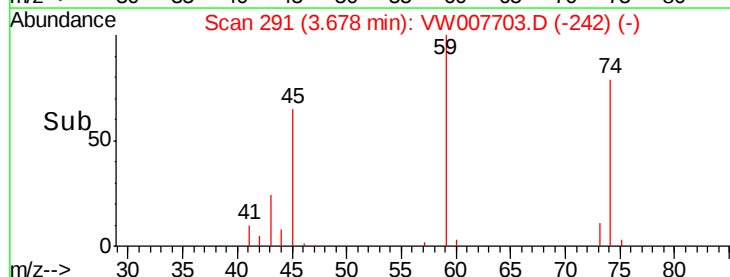
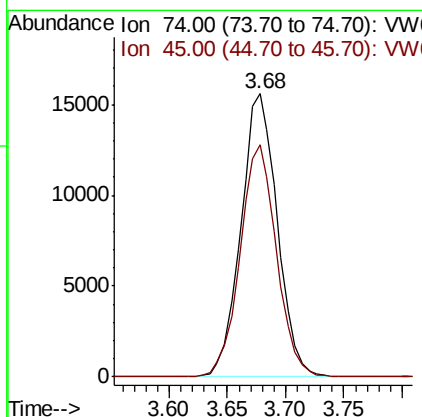
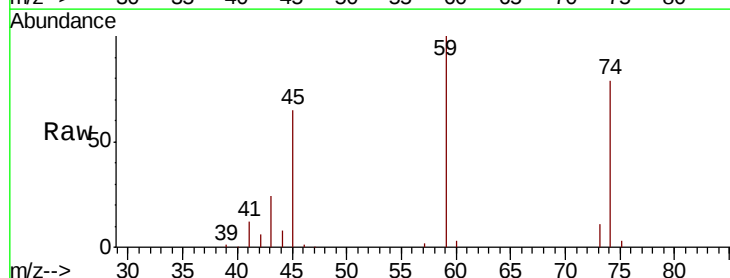
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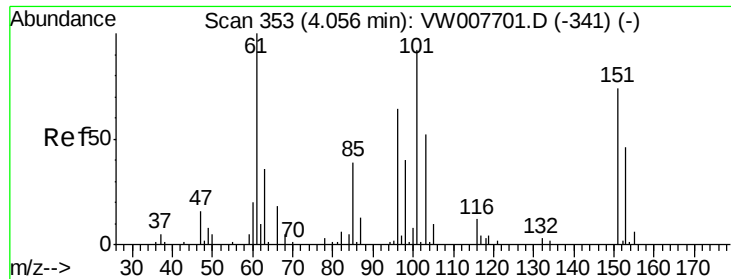


#8

Diethyl Ether
Concen: 106.215 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007703.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.9	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.101 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

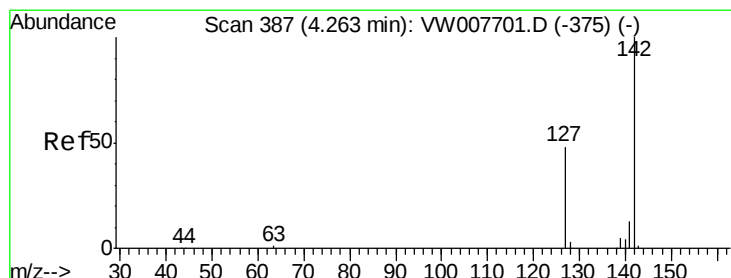
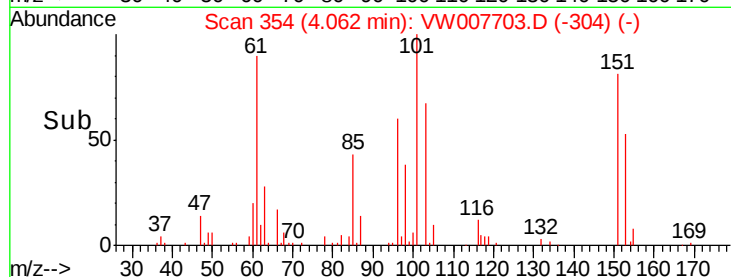
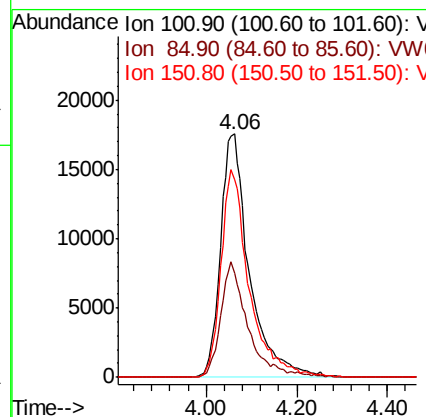
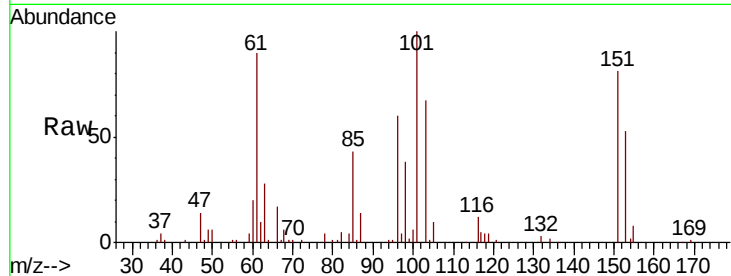
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	77539
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.3	51.5
151	83.7	64.6	96.8

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#10

Methyl Iodide

Concen: 103.165 ug/l

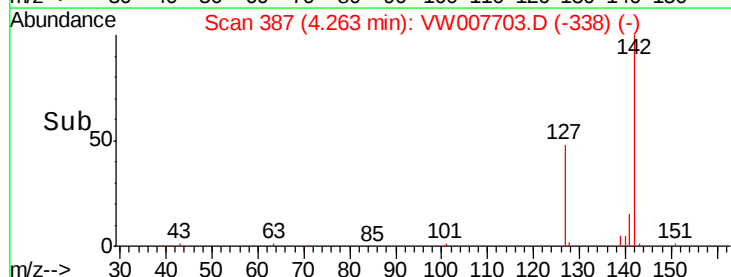
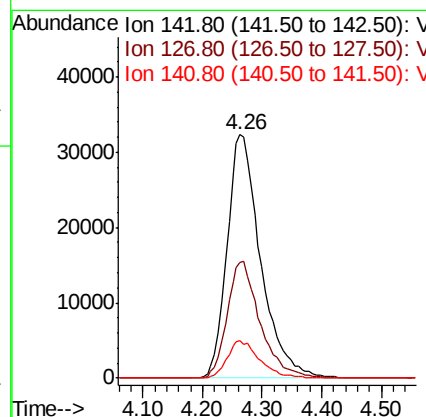
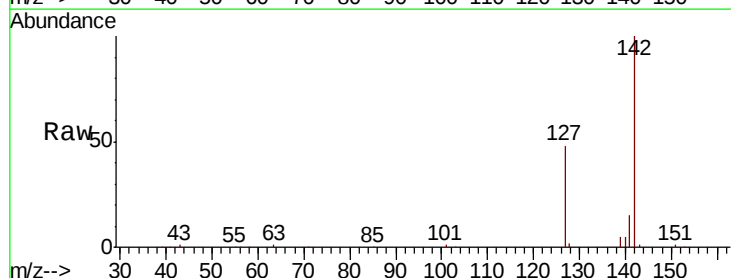
RT: 4.26 min Scan# 387

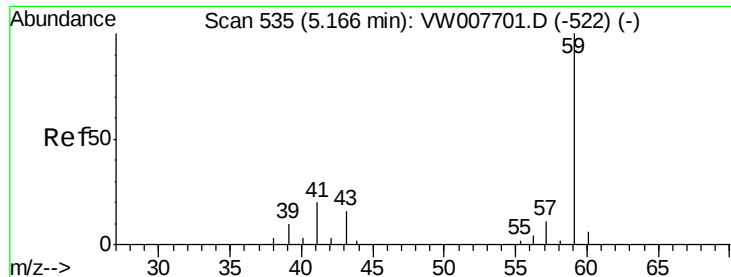
Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion:	142	Resp:	126190
Ion Ratio	Lower	Upper	
142	100		
127	47.1	37.7	56.5
141	15.0	11.5	17.3





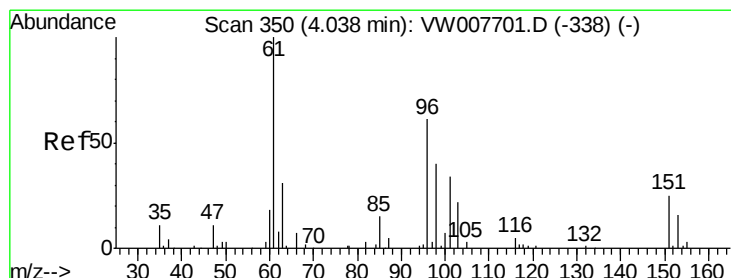
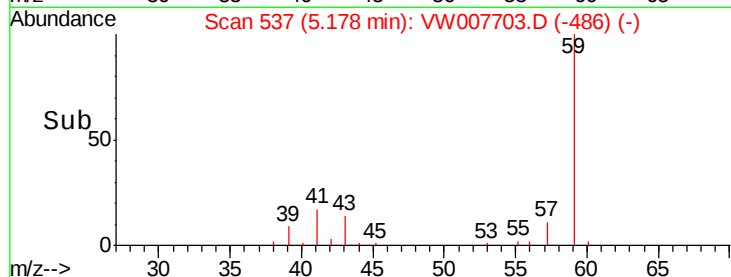
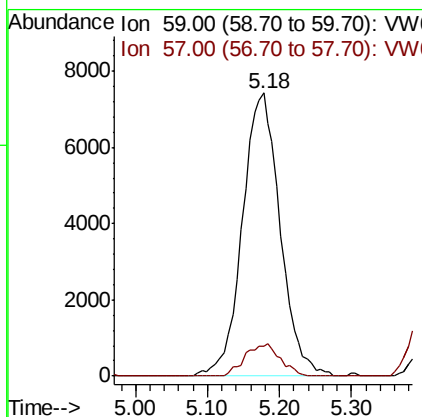
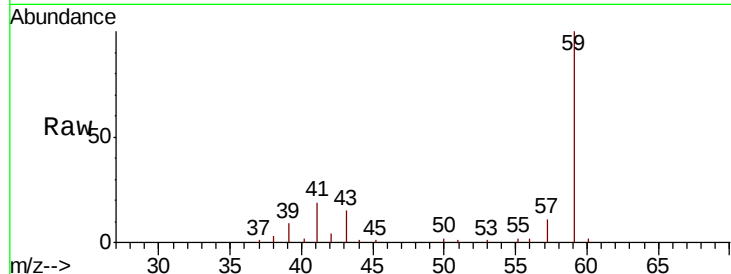
#11
Tert butyl alcohol
Concen: 504.412 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.8	11.8

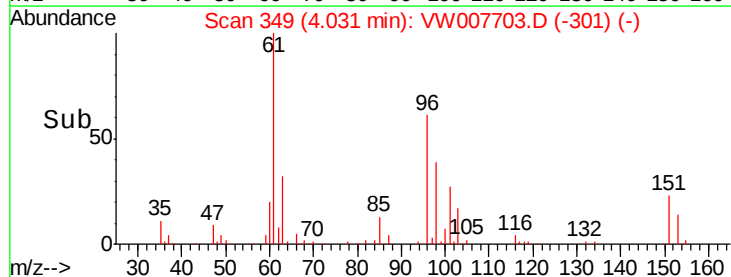
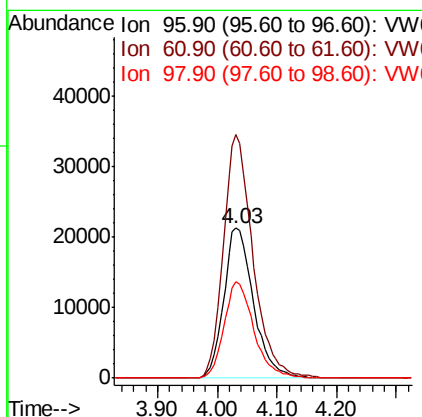
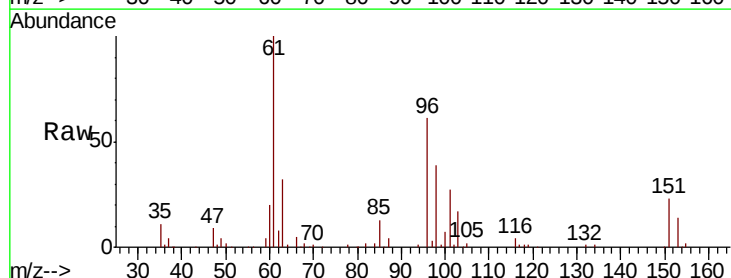
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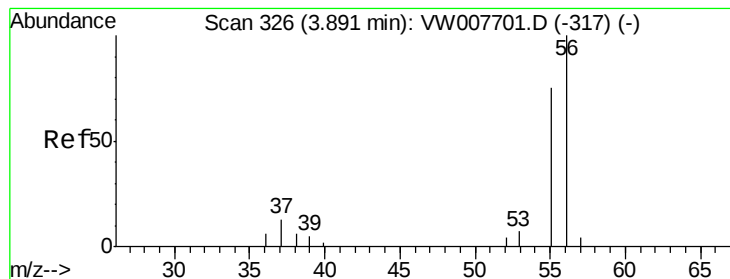
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#12
1,1-Dichloroethene
Concen: 103.961 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.7	130.6	195.8
98	64.2	52.3	78.5





#13

Acrolein

Concen: 493.644 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 21067

Ion Ratio Lower Upper

56 100

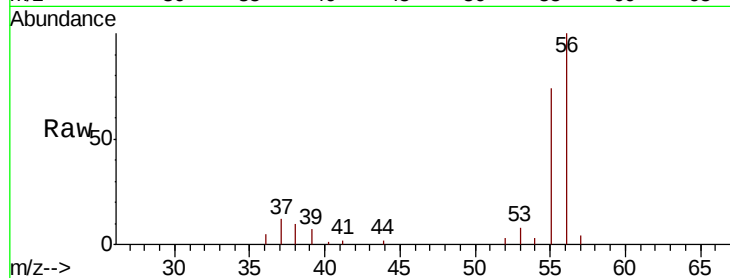
55 70.5 57.7 86.5

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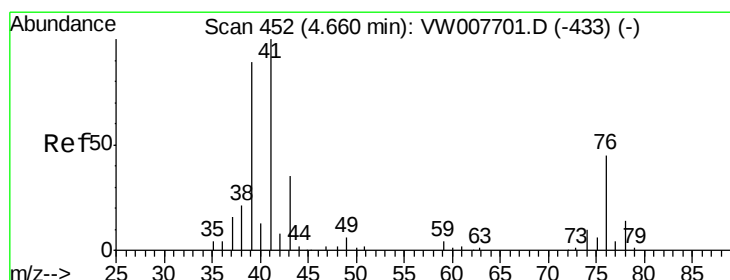
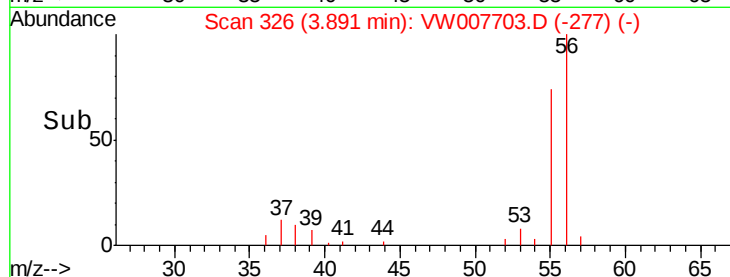
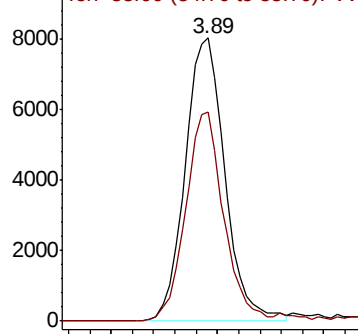
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 103.188 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

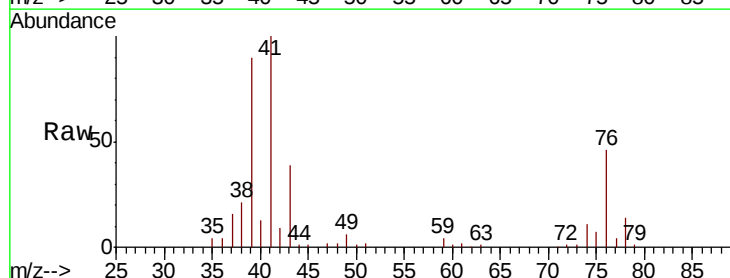
Tgt Ion: 41 Resp: 96378

Ion Ratio Lower Upper

41 100

39 87.6 69.5 104.3

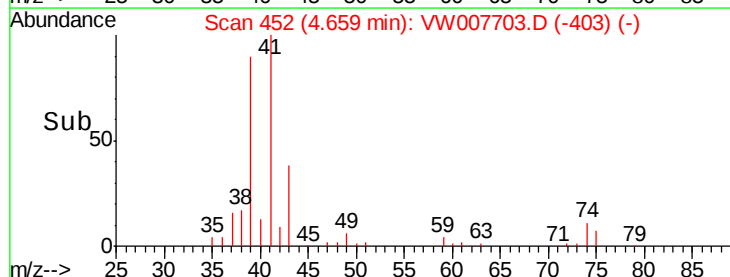
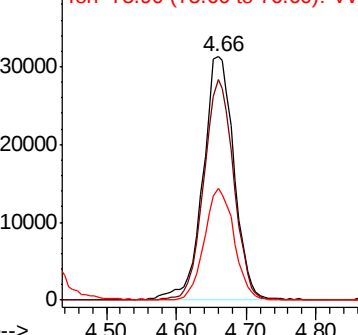
76 44.0 34.8 52.2

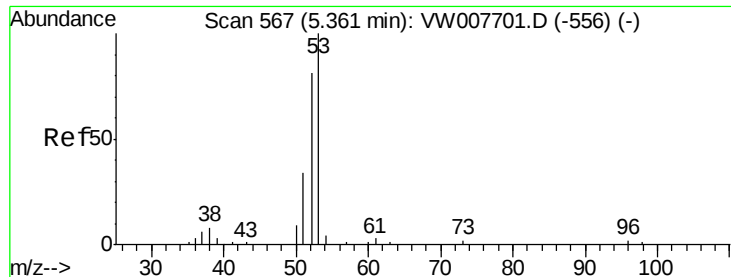


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 537.110 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

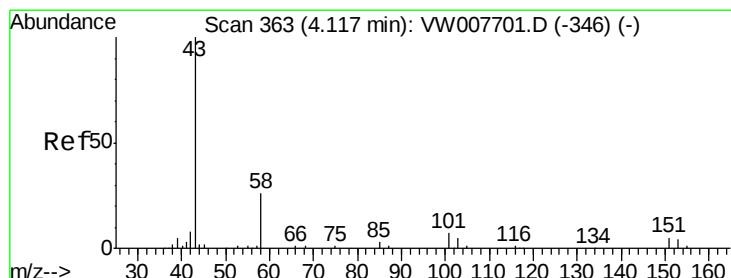
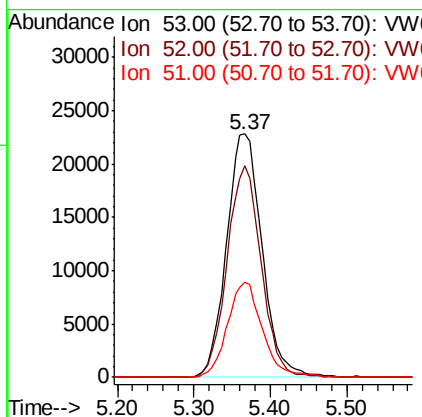
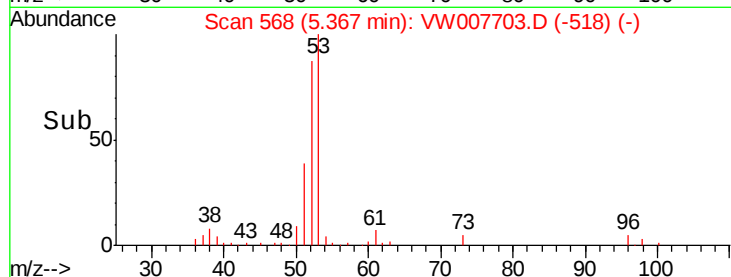
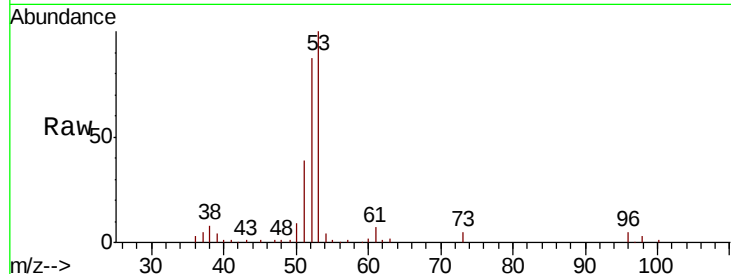
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	73291
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.0	100.4
51	38.4	30.2	45.2

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#16

Acetone

Concen: 491.650 ug/l

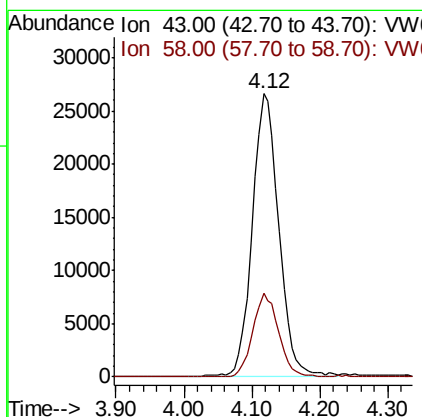
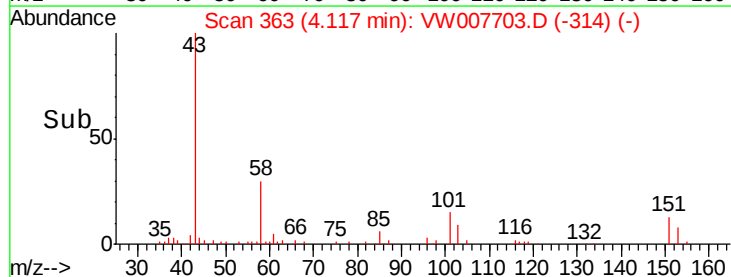
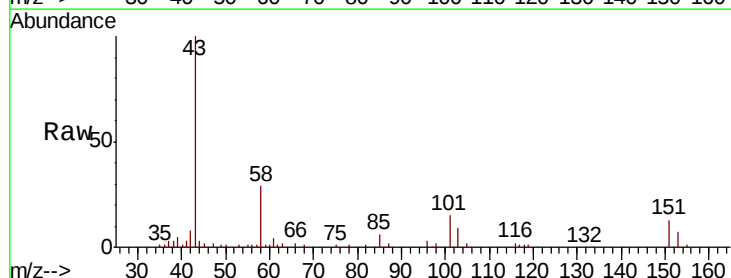
RT: 4.12 min Scan# 363

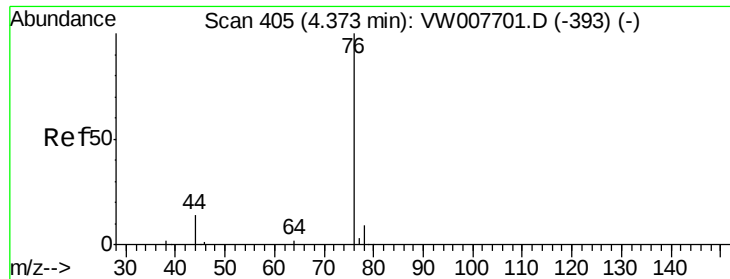
Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion:	43	Resp:	72846
Ion	Ratio	Lower	Upper
43	100		
58	29.5	21.2	31.8





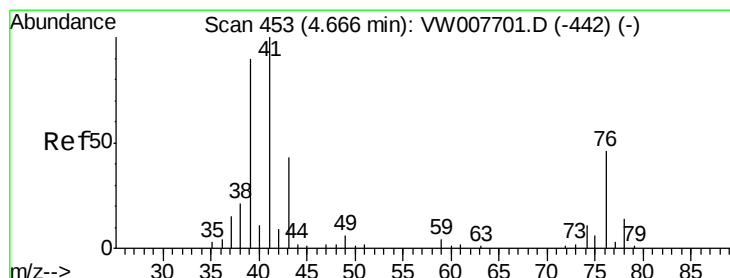
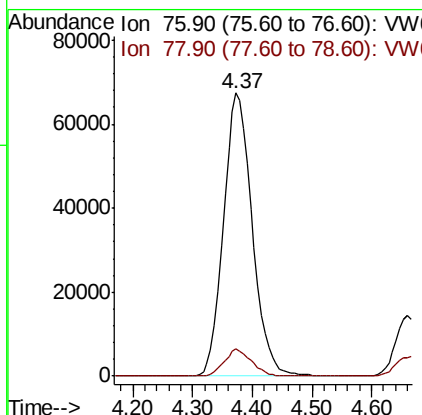
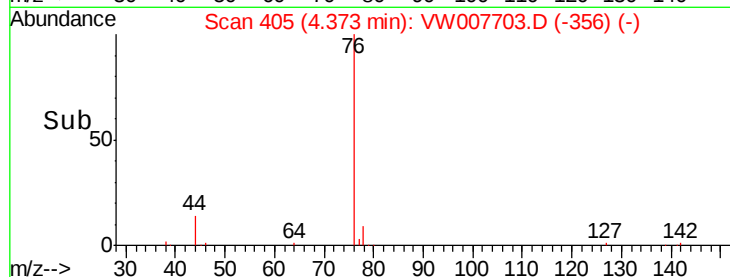
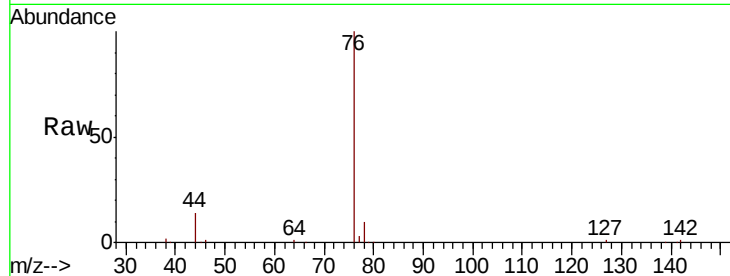
#17
Carbon Disulfide
Concen: 102.344 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

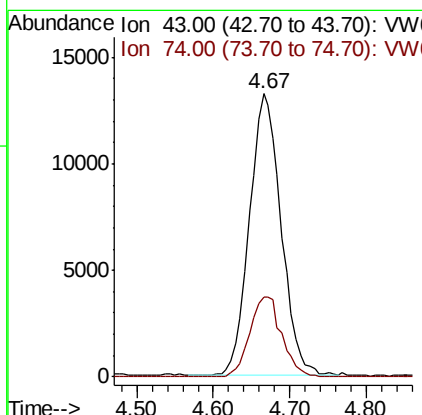
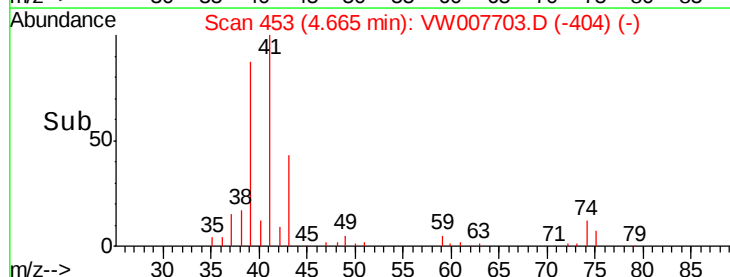
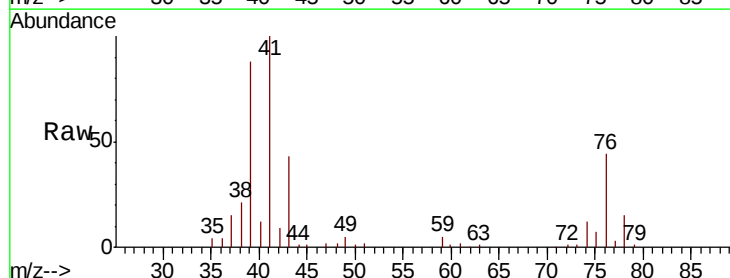
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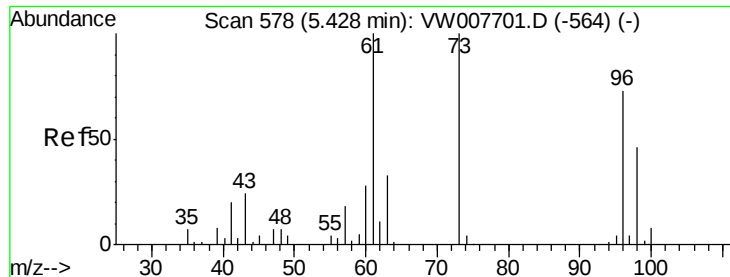
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#18
Methyl Acetate
Concen: 108.587 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	22.7	34.1





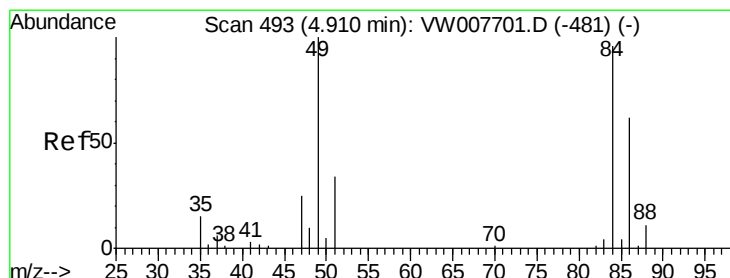
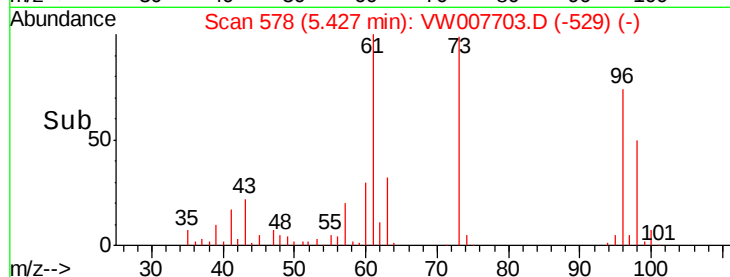
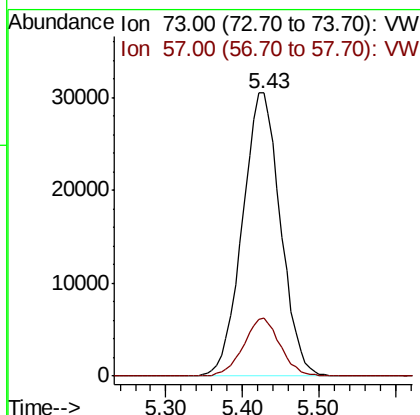
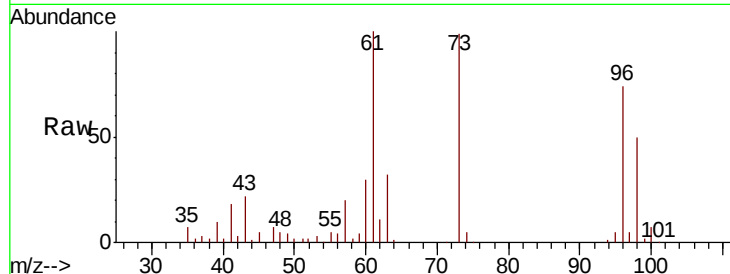
#19
Methvl tert-butvl Ether
Concen: 103.032 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 105352
Ion Ratio Lower Upper
73 100
57 20.4 14.7 22.1

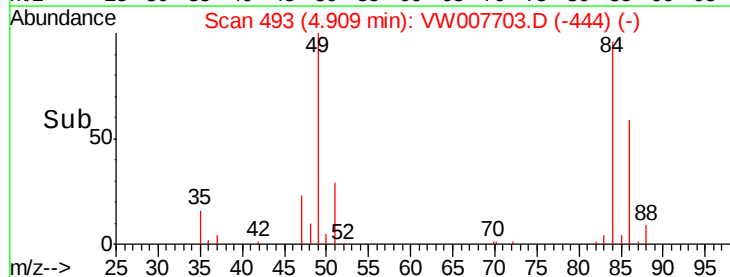
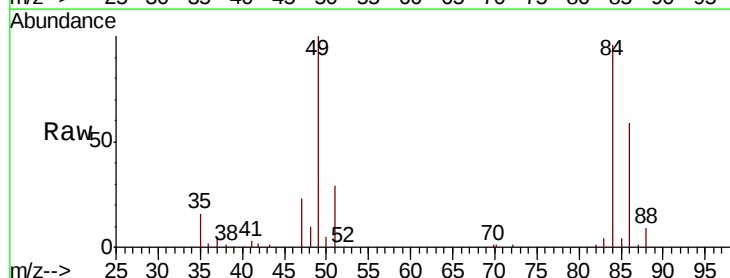
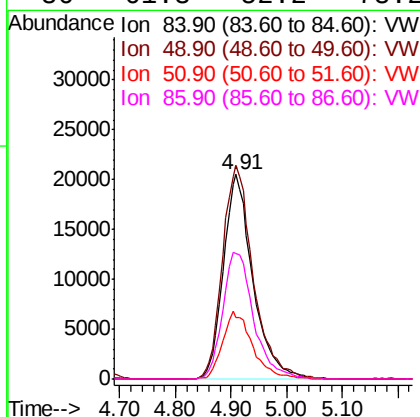
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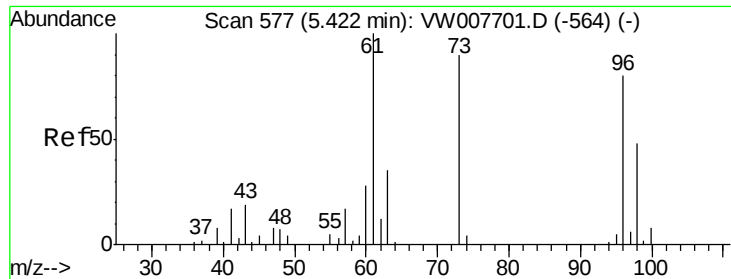
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#20
Methylene Chloride
Concen: 84.101 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 84 Resp: 75104
Ion Ratio Lower Upper
84 100
49 104.5 83.7 125.5
51 29.8 28.2 42.2
86 61.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 102.830 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

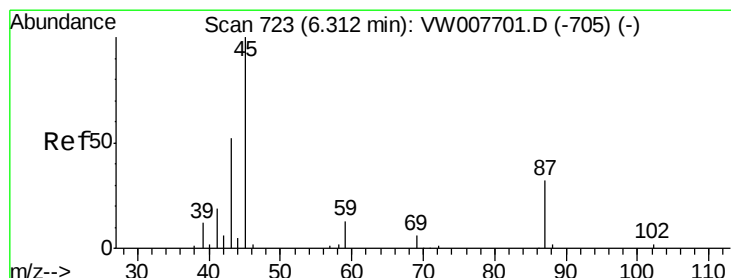
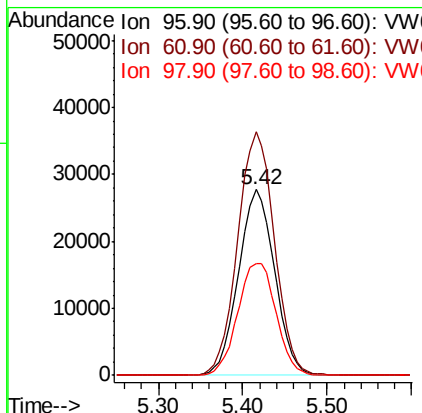
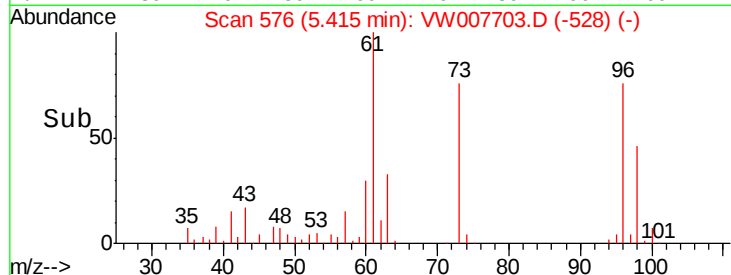
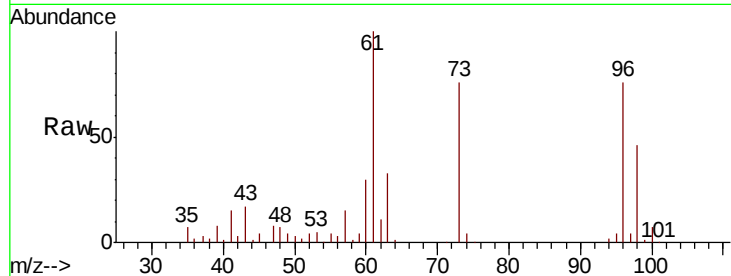
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	80550
Ion	Ratio	Lower	Upper
96	100		
61	131.0	100.1	150.1
98	59.8	48.5	72.7

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#22

Diisopropyl ether

Concen: 104.001 ug/l

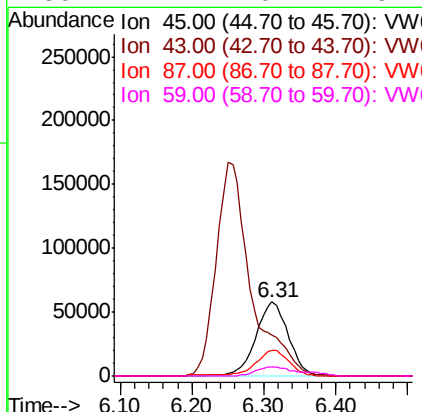
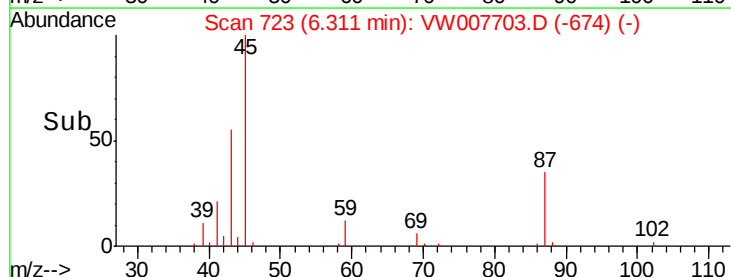
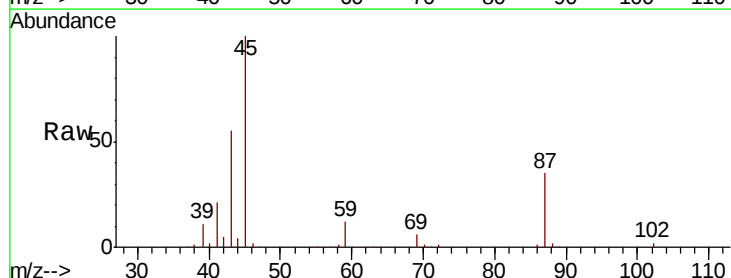
RT: 6.31 min Scan# 723

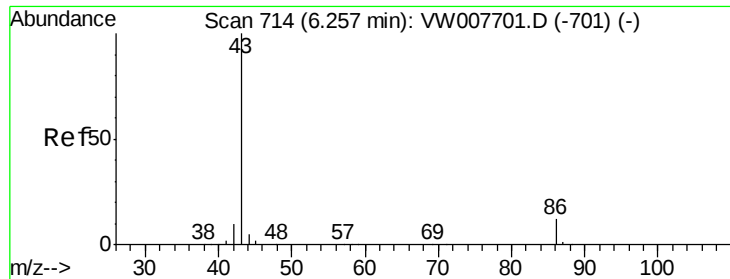
Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion:	45	Resp:	181887
Ion	Ratio	Lower	Upper
45	100		
43	54.8	43.7	65.5
87	34.5	26.6	40.0
59	11.7	10.2	15.2





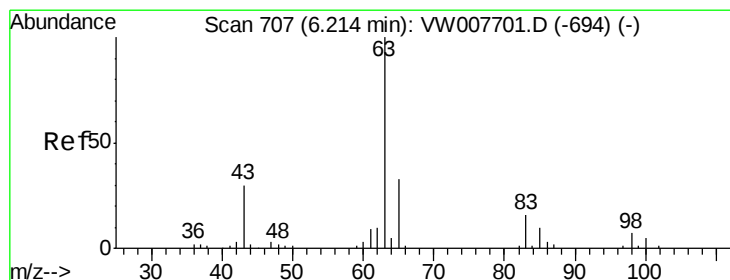
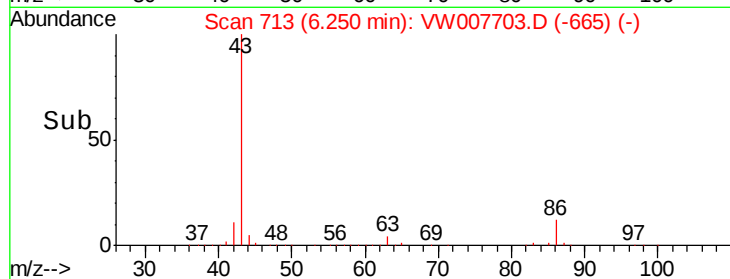
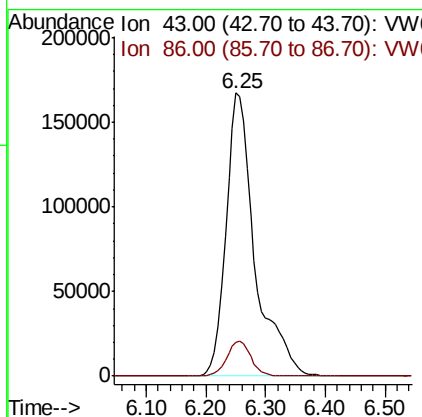
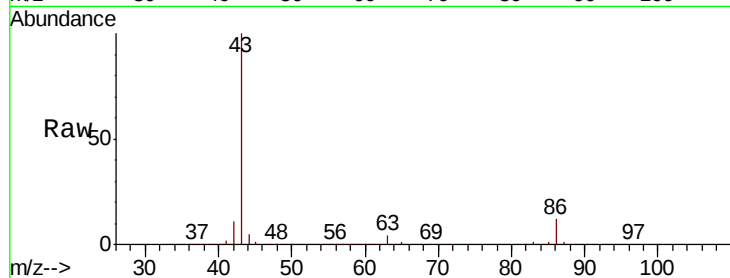
#23
 Vinyl Acetate
 Concen: 541.612 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	43	Resp	562773
Ion Ratio	100	Lower	Upper
43	100		
86	12.1	9.6	14.4

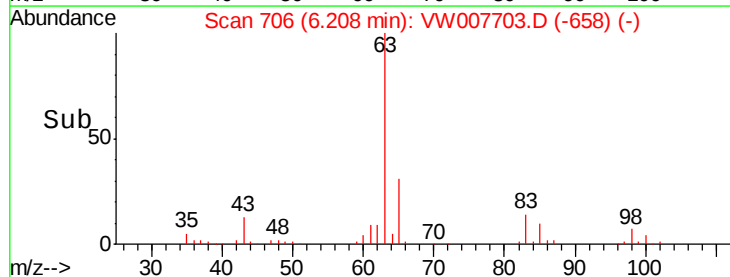
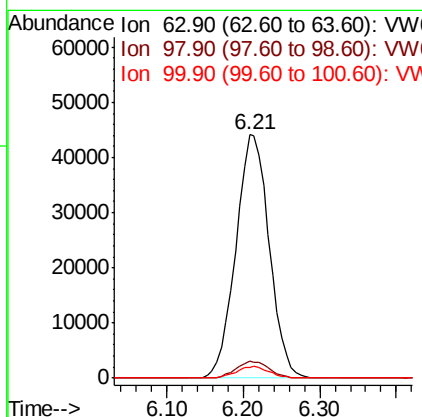
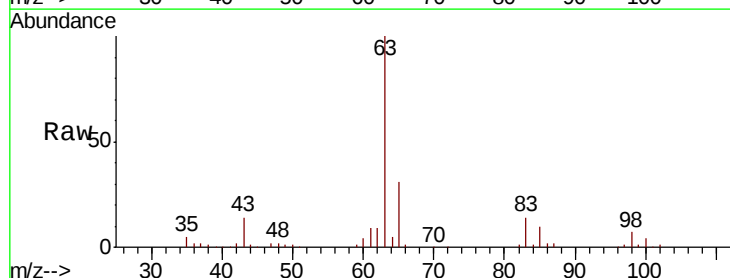
Manual Integrations
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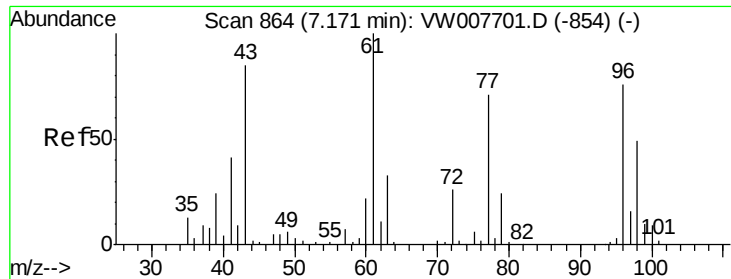
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#24
 1,1-Dichloroethane
 Concen: 103.688 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion	63	Resp	133404
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.6	10.9
100	4.3	2.5	7.5





#25

2-Butanone

Concen: 523.682 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 90883

Ion Ratio Lower Upper

43 100

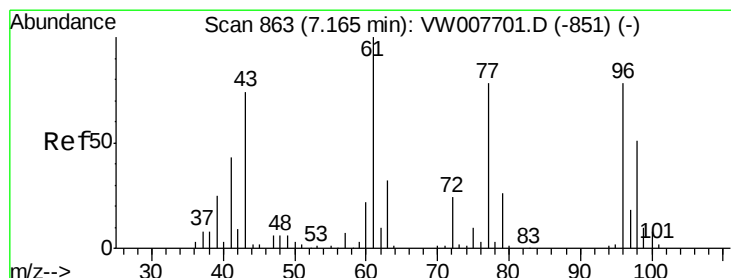
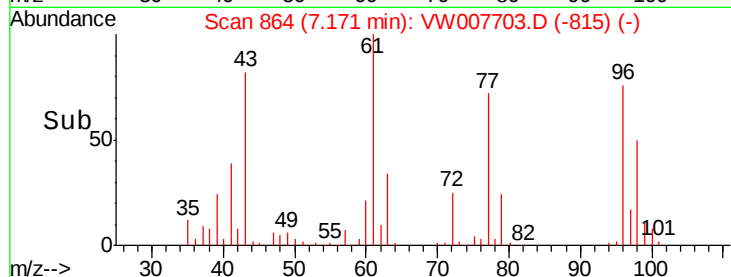
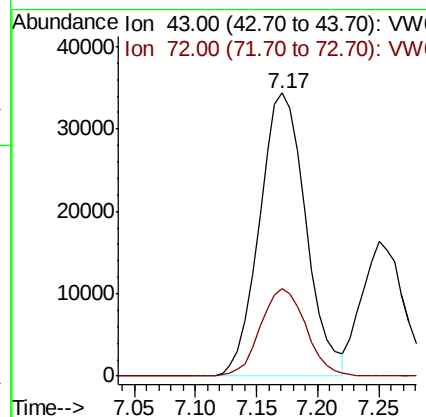
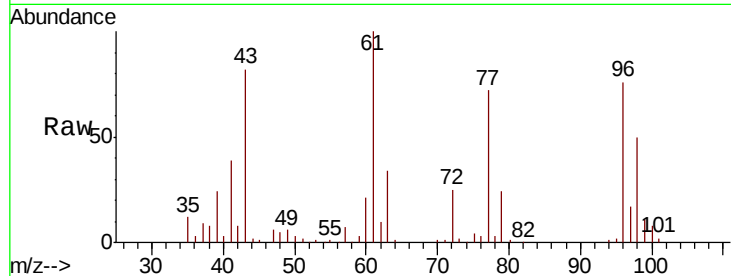
72 30.9 24.5 36.7

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#26

2,2-Dichloropropane

Concen: 98.608 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007703.D

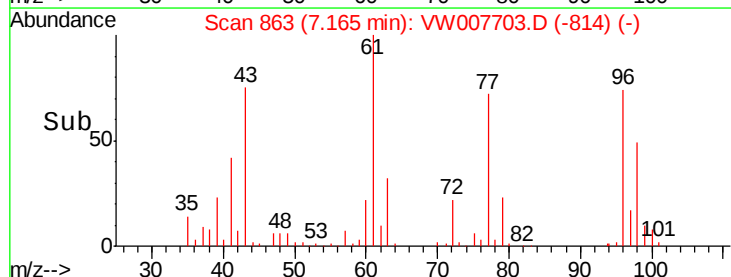
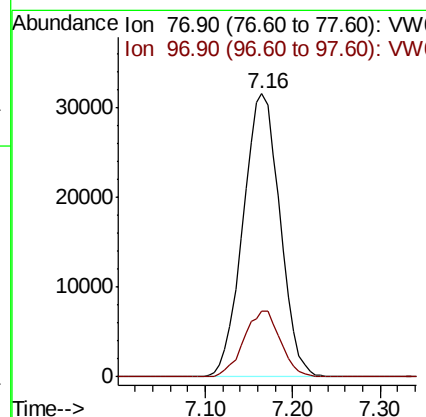
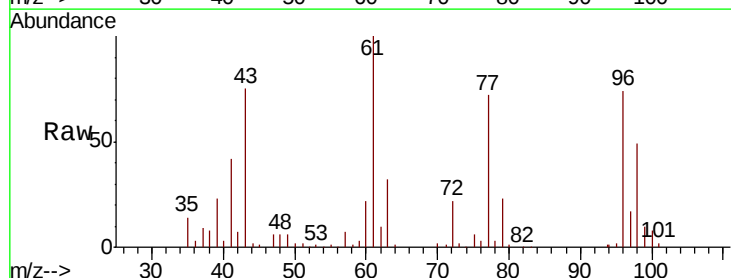
Acq: 19 Dec 2018 15:45

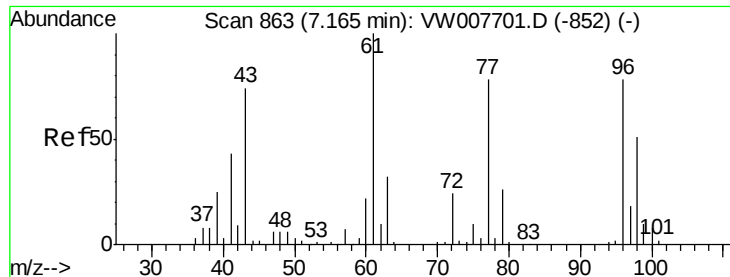
Tgt Ion: 77 Resp: 92837

Ion Ratio Lower Upper

77 100

97 23.0 11.3 33.9





#27

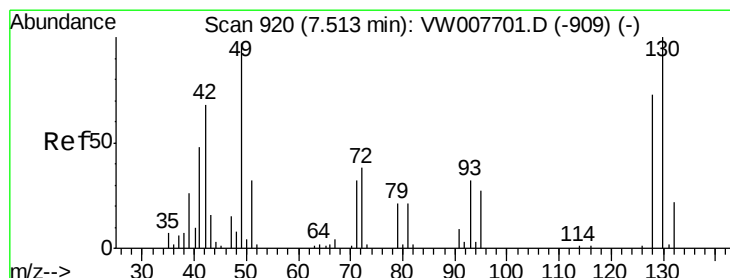
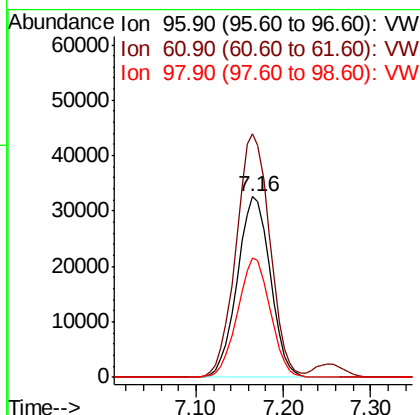
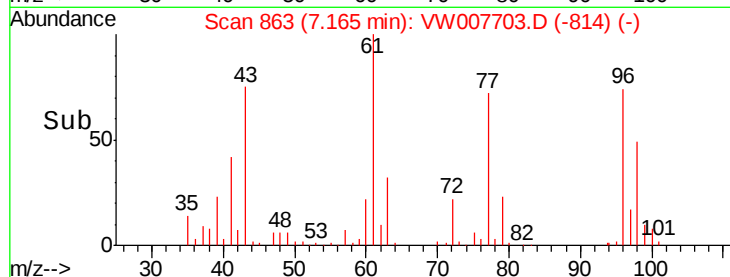
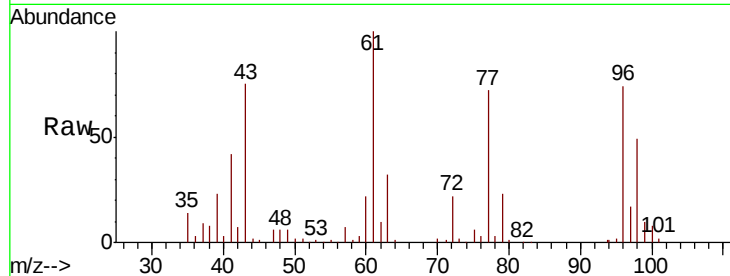
cis-1,2-Dichloroethene
Concen: 102.754 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	271.6
98	65.2	0.0	131.2

Manual Integrations
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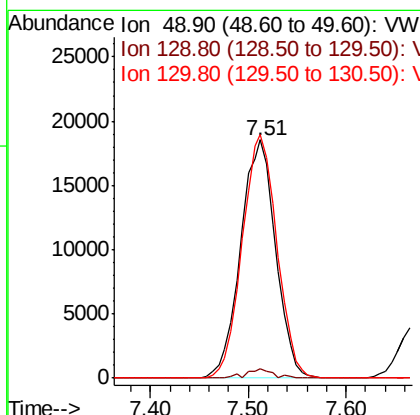
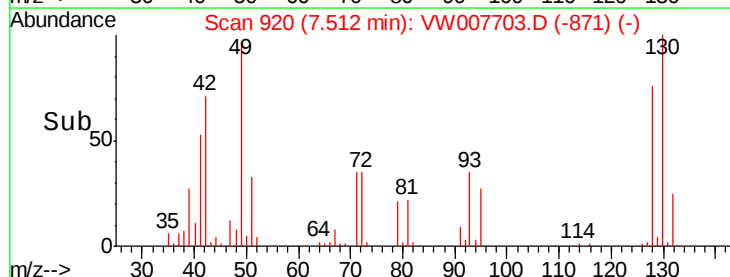
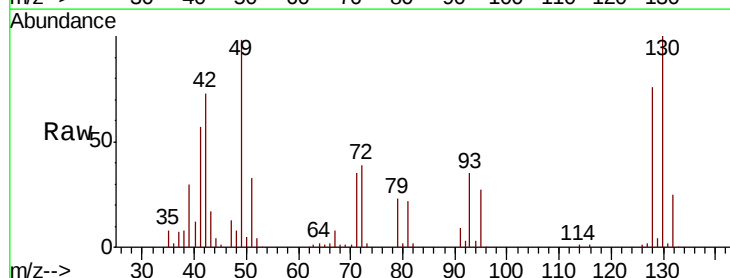
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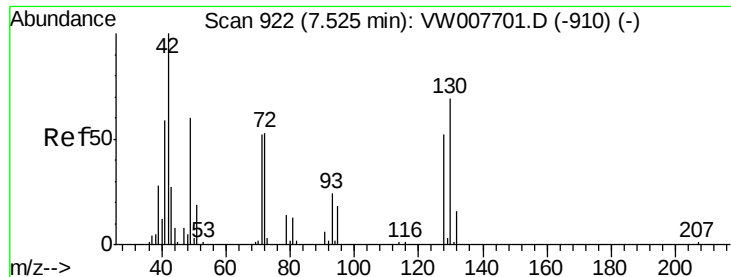


#28

Bromochloromethane
Concen: 104.665 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	2.2#
130	101.2	81.5	122.3





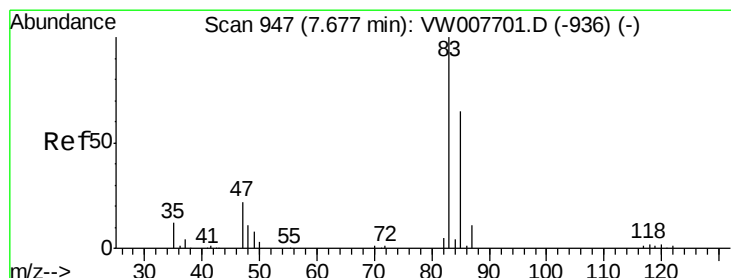
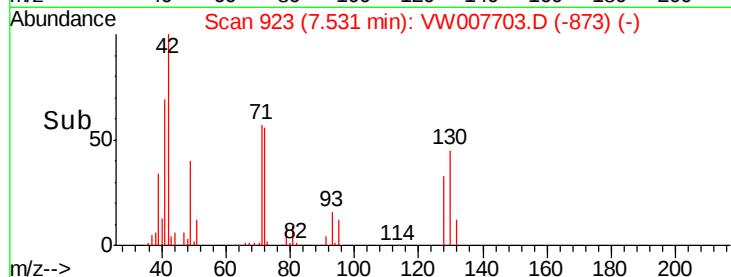
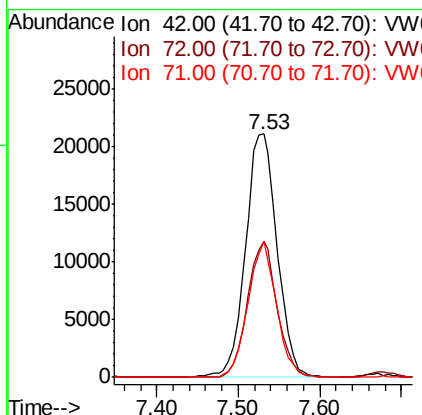
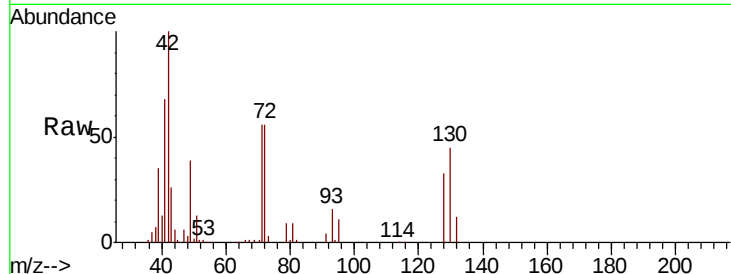
#29
Tetrahydrofuran
Concen: 549.714 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.2	41.7	62.5
71	50.3	39.0	58.6

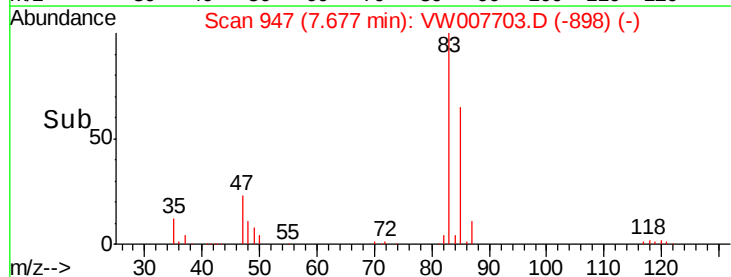
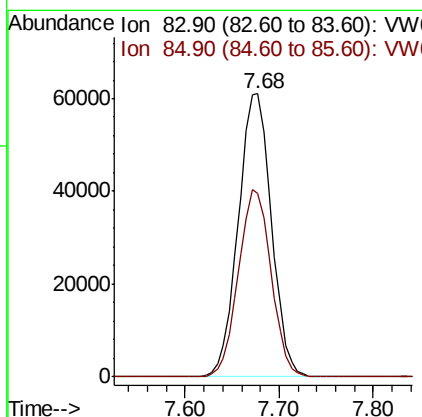
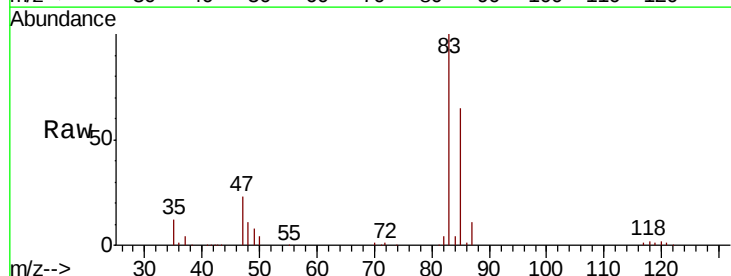
Manual Integrations
APPROVED

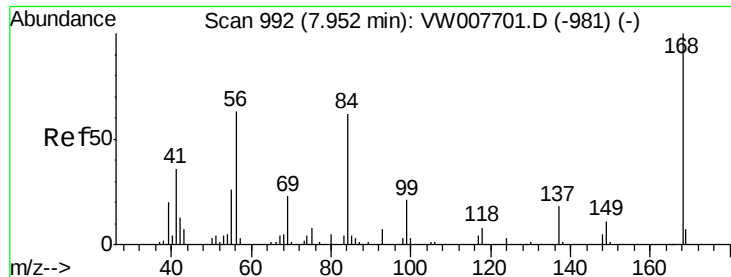
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#30
Chloroform
Concen: 103.360 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2





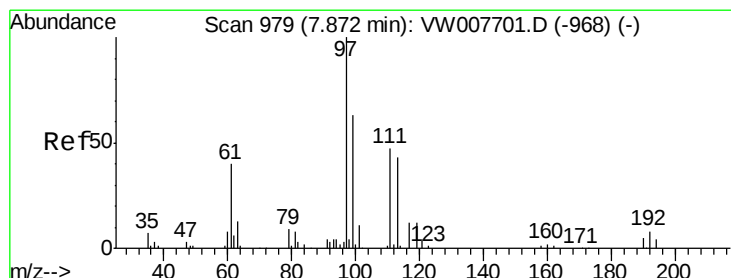
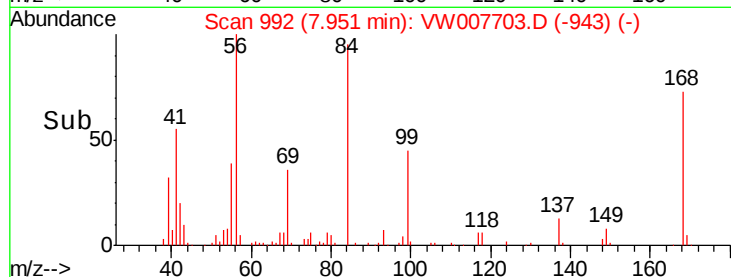
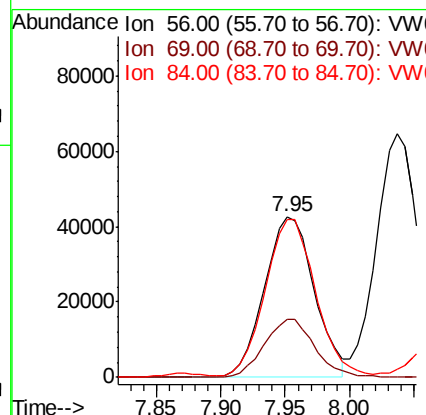
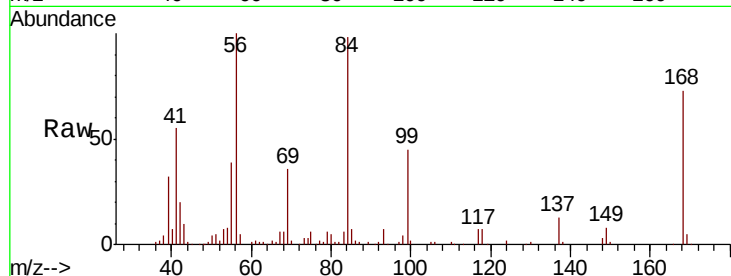
#31
Cyclohexane
Concen: 97.289 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	29.7	44.5
84	96.2	78.9	118.3

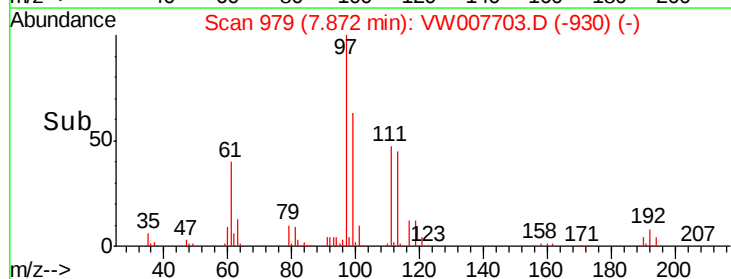
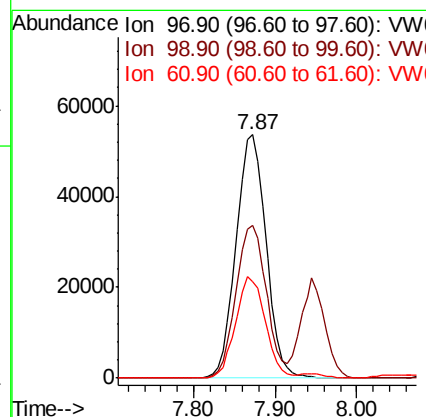
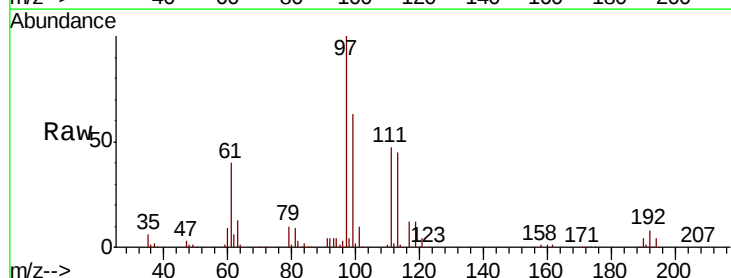
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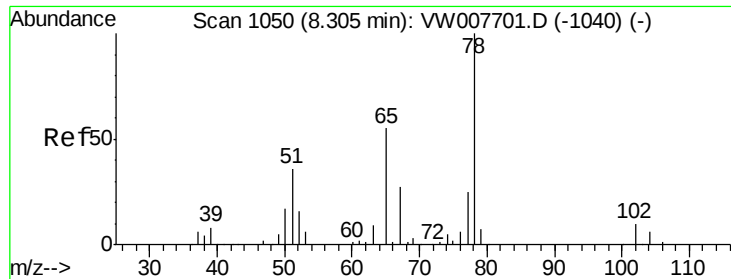
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#32
1,1,1-Trichloroethane
Concen: 102.948 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	41.1	32.3	48.5





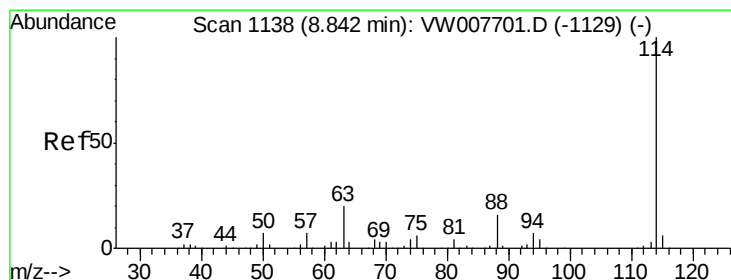
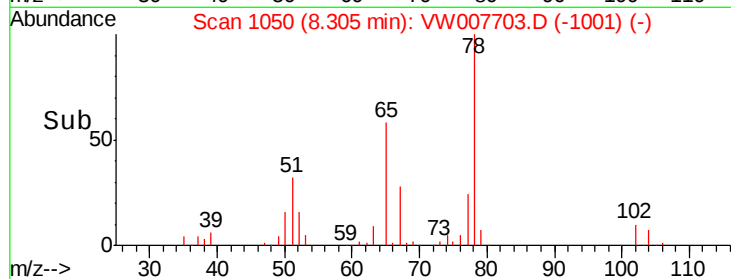
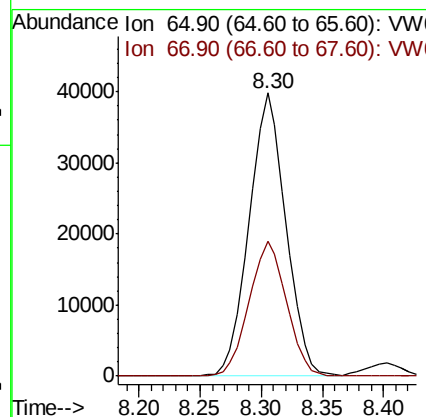
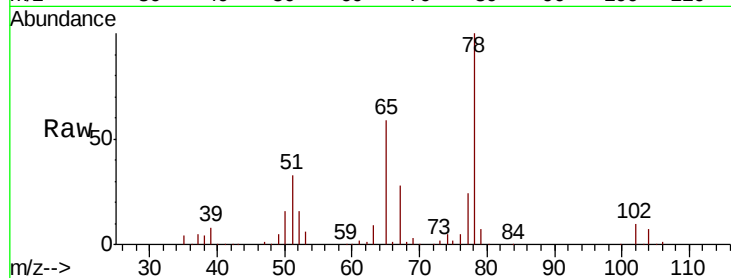
#33
 1,2-Dichloroethane-d4
 Concen: 105.184 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	83225		
67	48.5	0.0	100.6	

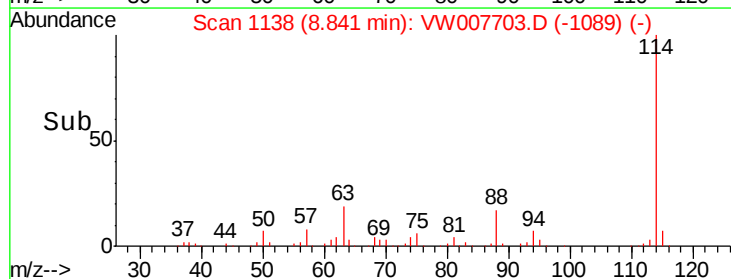
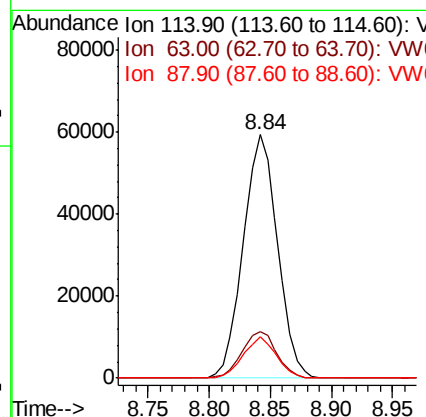
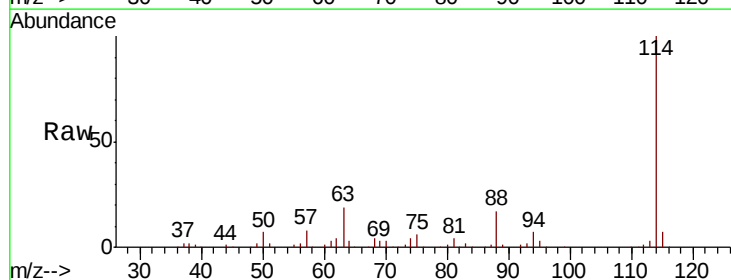
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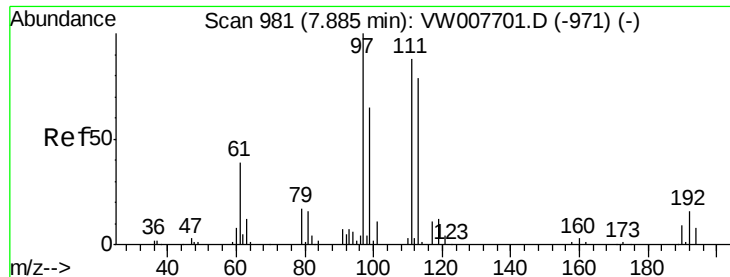
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	115358		
63	19.2	0.0	40.0	
88	16.9	0.0	32.6	





#35

Dibromofluoromethane

Concen: 105.007 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 73898

Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

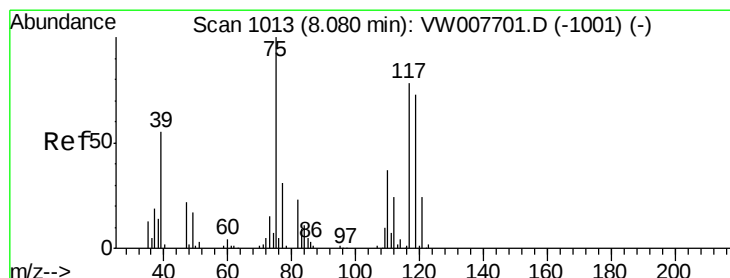
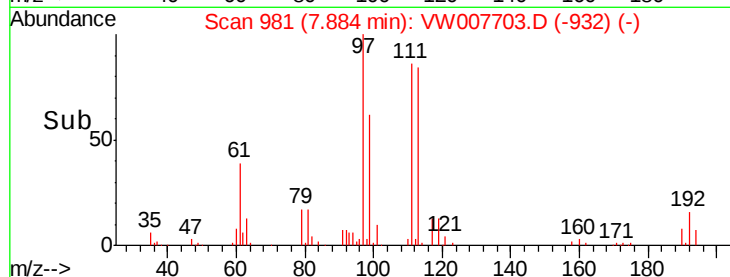
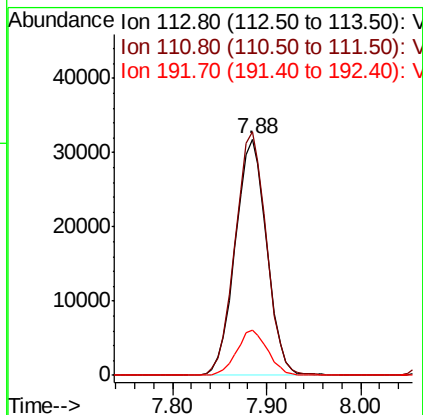
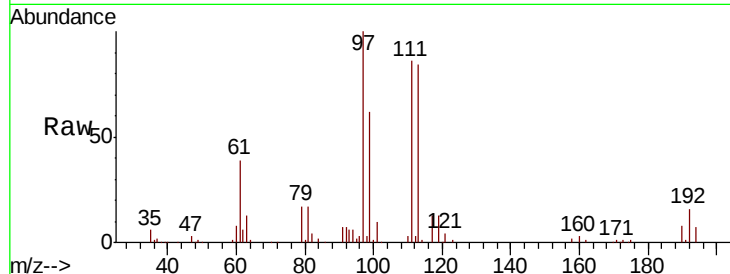
192 18.8 15.5 23.3

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 102.845 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

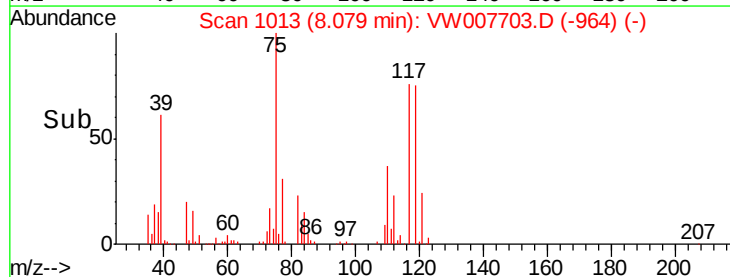
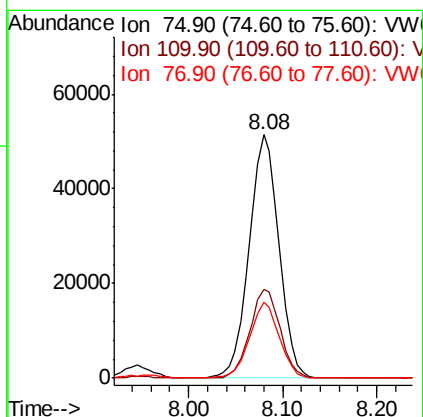
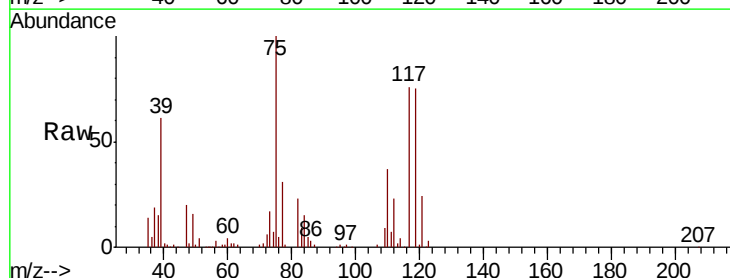
Tgt Ion: 75 Resp: 114509

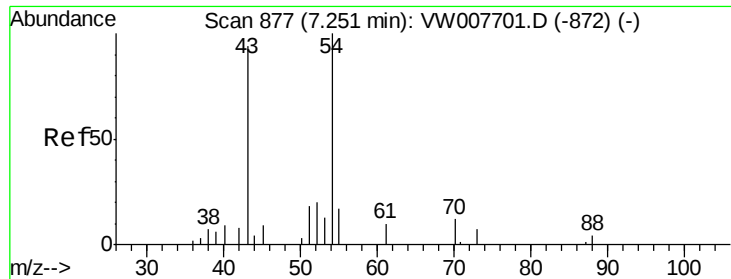
Ion Ratio Lower Upper

75 100

110 36.9 18.6 55.8

77 31.0 25.0 37.4





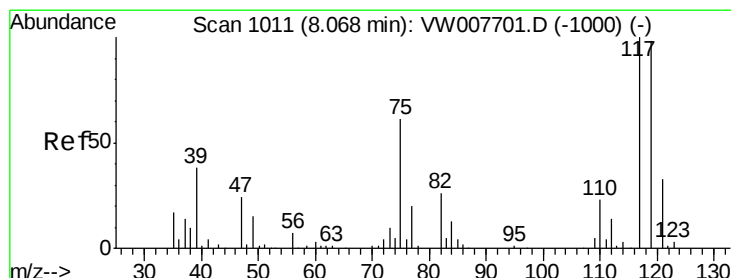
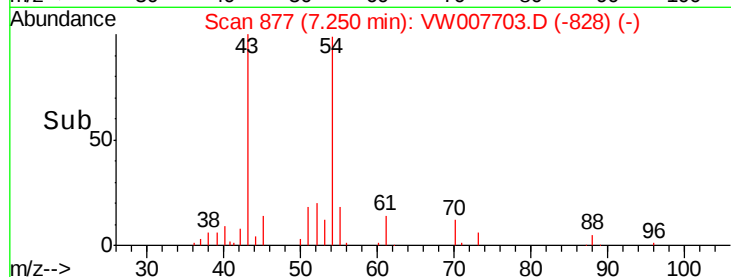
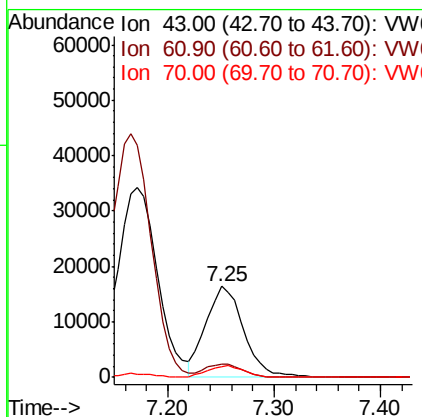
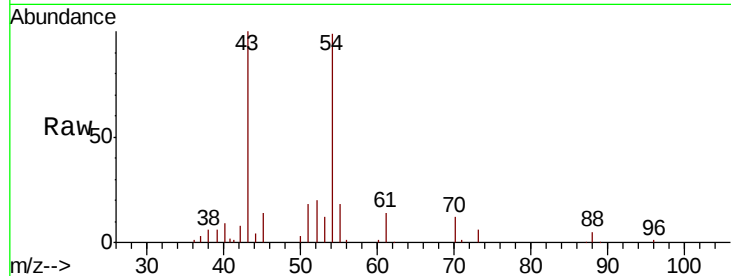
#37
Ethyl Acetate
Concen: 104.980 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.2	16.8
70	12.2	9.3	13.9

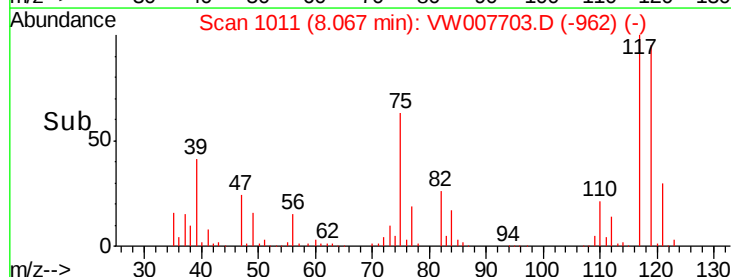
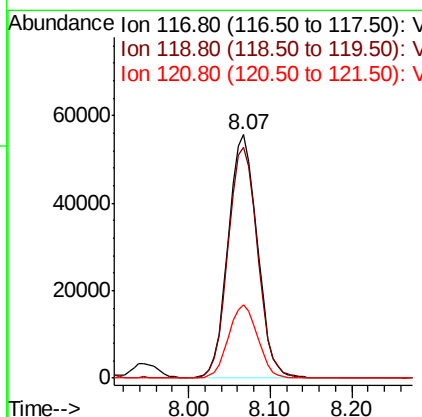
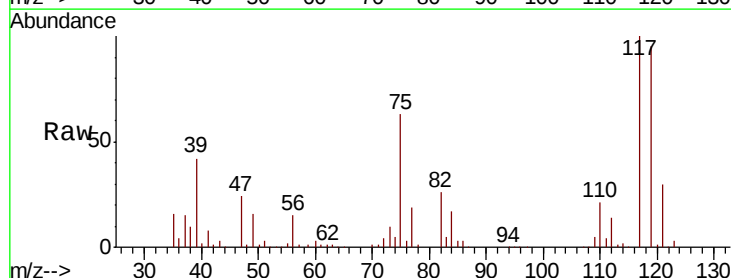
Manual Integrations
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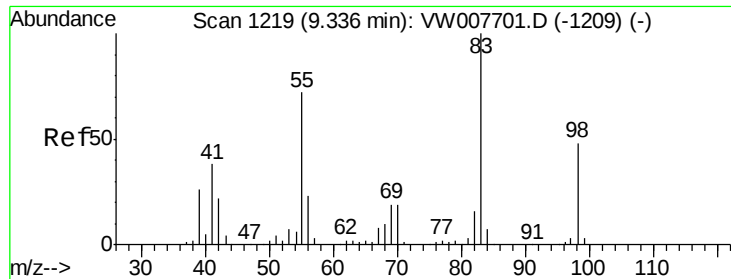
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#38
Carbon Tetrachloride
Concen: 104.865 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.2	117.2
121	30.3	26.1	39.1





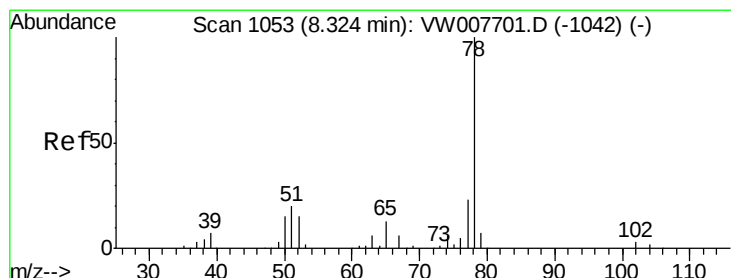
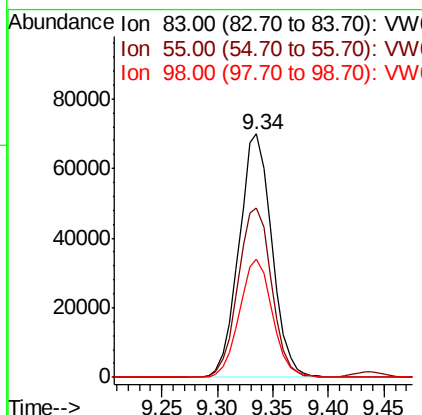
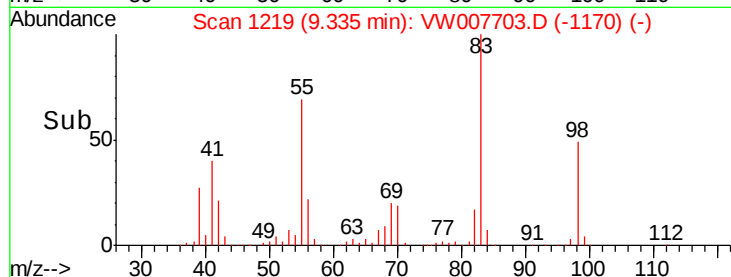
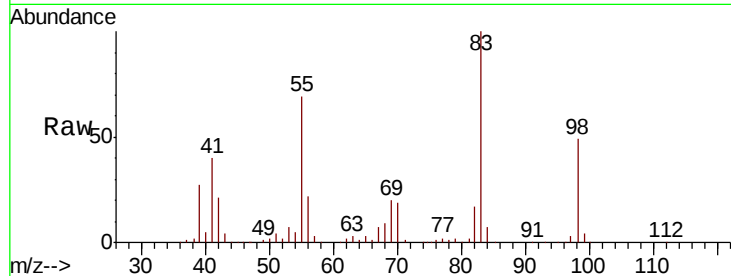
#39
Methvlcvclohexane
Concen: 103.867 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	57.2	85.8
98	48.6	38.6	58.0

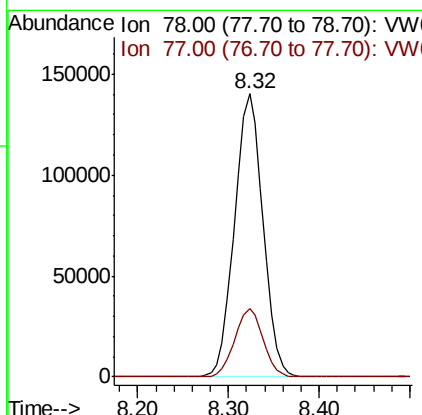
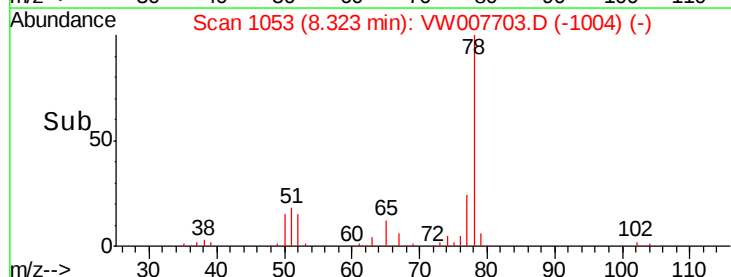
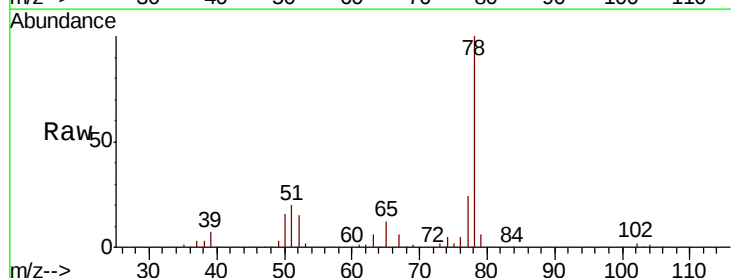
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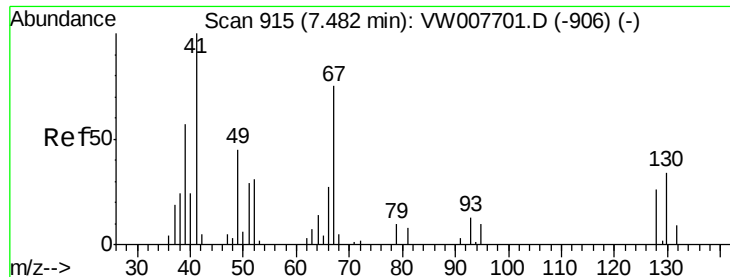
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#40
Benzene
Concen: 102.289 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





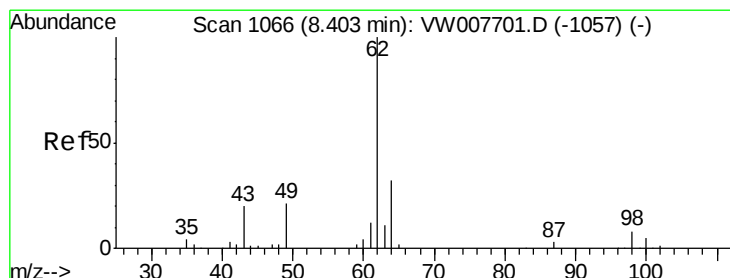
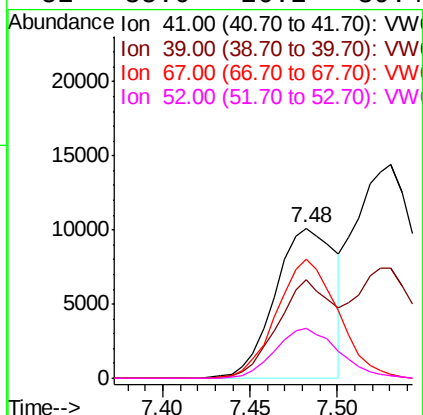
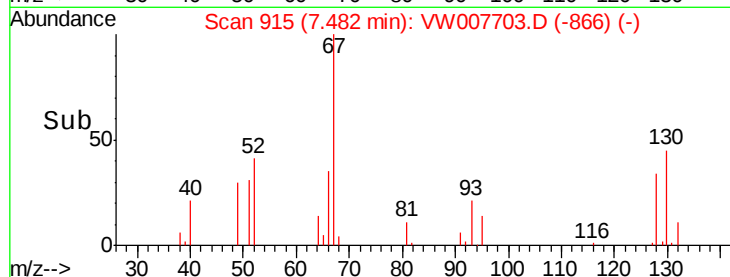
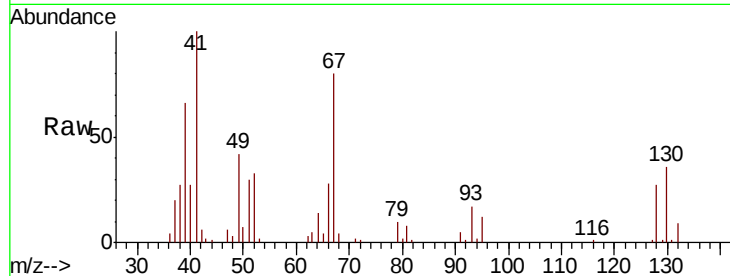
#41
Methacrylonitrile
Concen: 111.674 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	24363
Ion Ratio	Lower	Upper	
41	100		
39	59.8	54.2	81.4
67	80.3	65.7	98.5
52	35.0	26.2	39.4

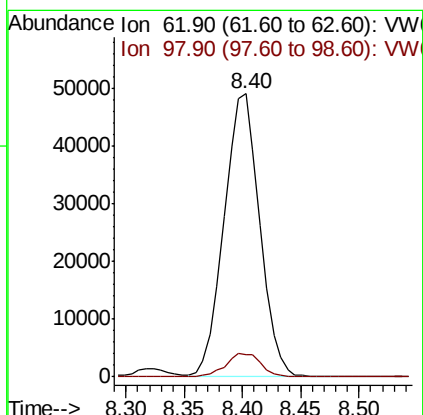
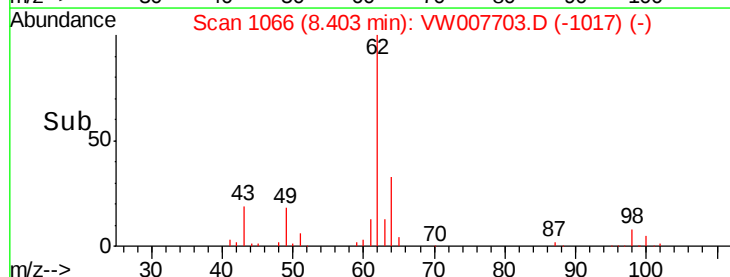
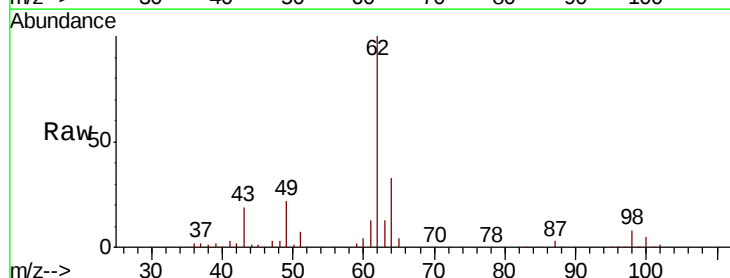
Manual Integrations
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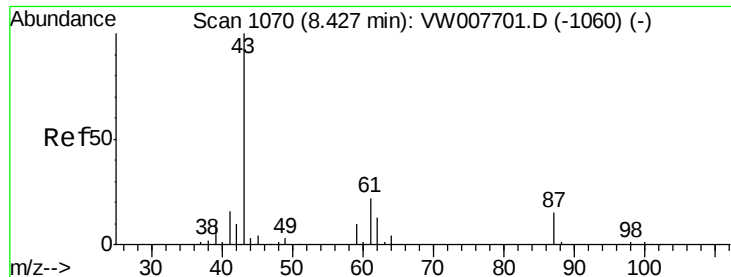
apatel
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#42
1,2-Dichloroethane
Concen: 104.854 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:	62	Resp:	104401
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 107.980 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

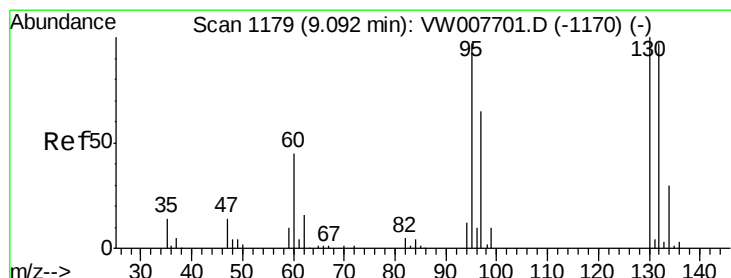
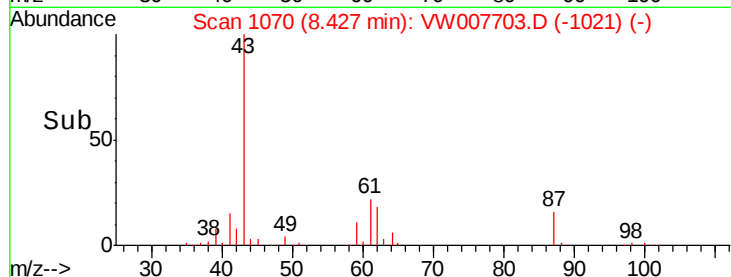
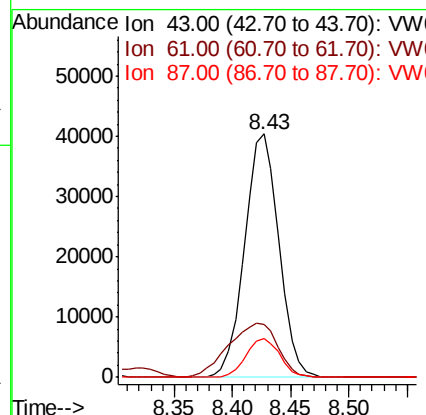
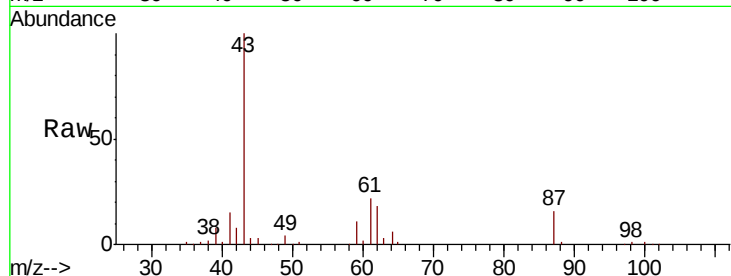
ClientSampleID :

VSTDIC100

Tot Ion:	43	Resp:	83127
Ion	Ratio	Lower	Upper
43	100		
61	31.9	26.3	39.5
87	15.9	12.0	18.0

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#44

Trichloroethene

Concen: 102.331 ug/l

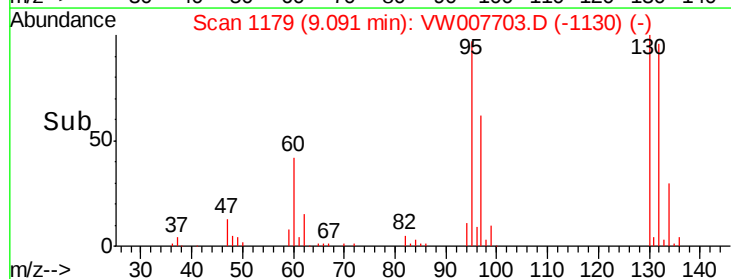
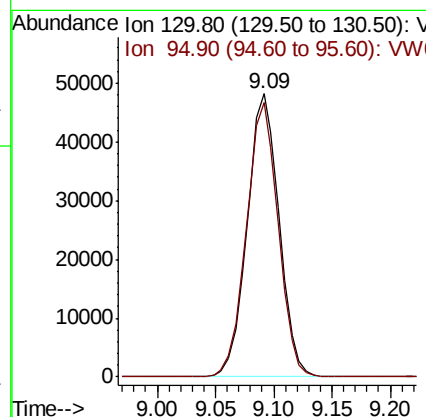
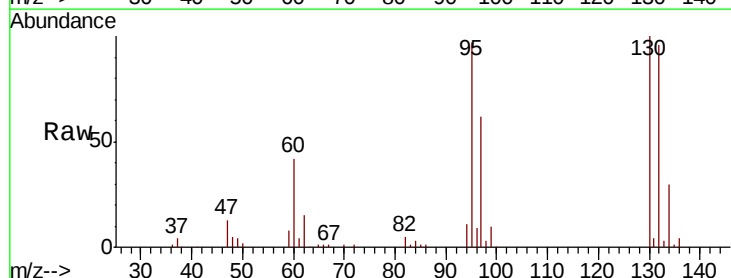
RT: 9.09 min Scan# 1179

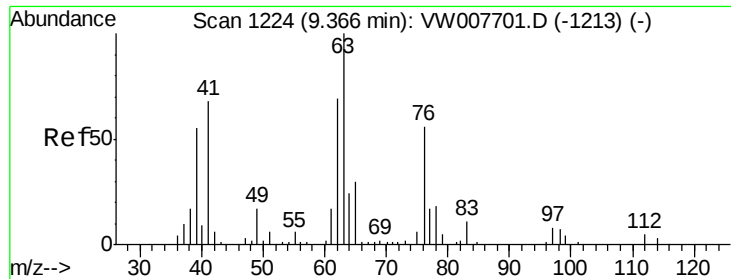
Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion:	130	Resp:	91945
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	194.8





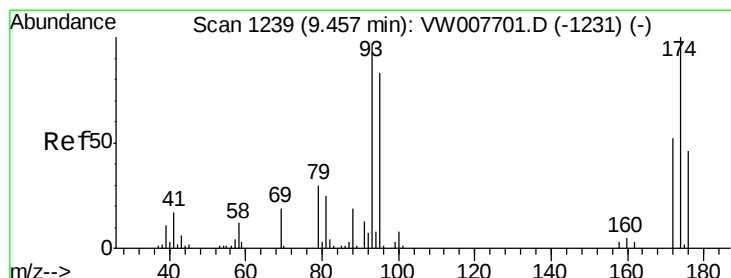
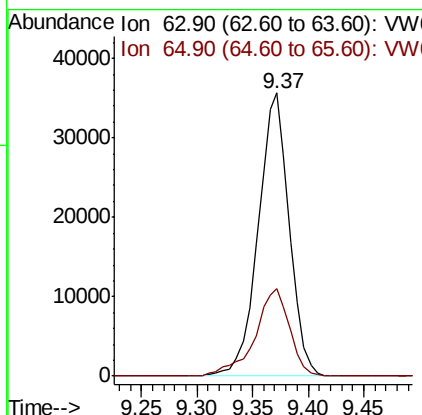
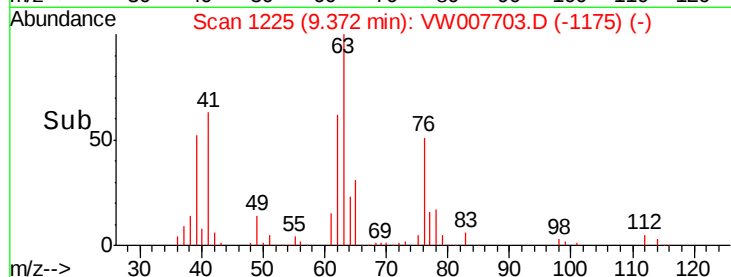
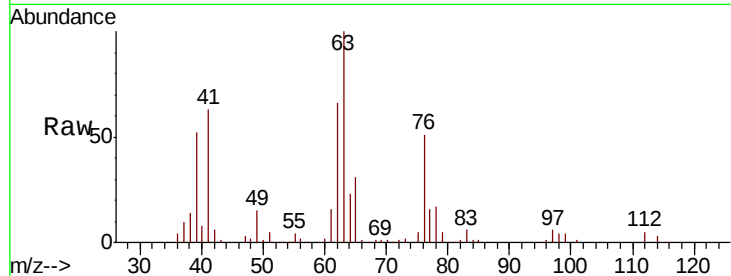
#45
 1,2-Dichloropropane
 Concen: 104.828 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	23.8	35.8

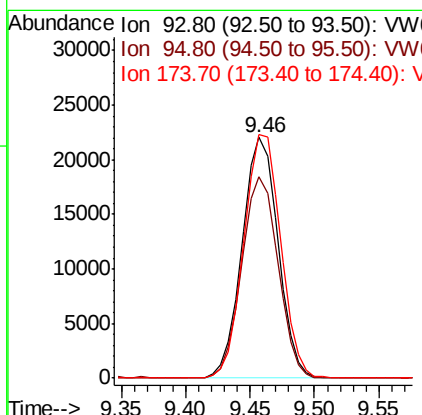
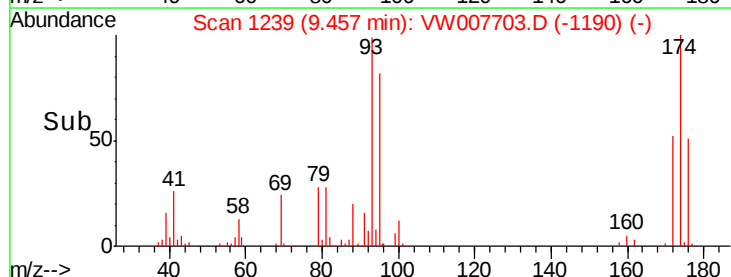
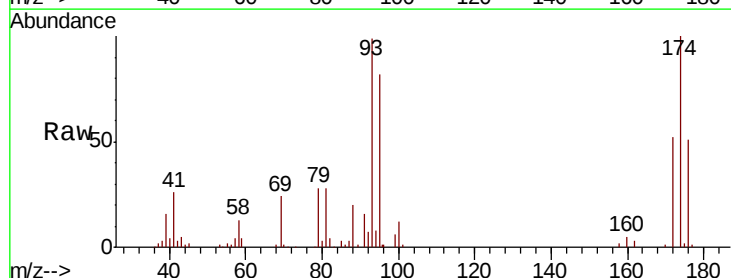
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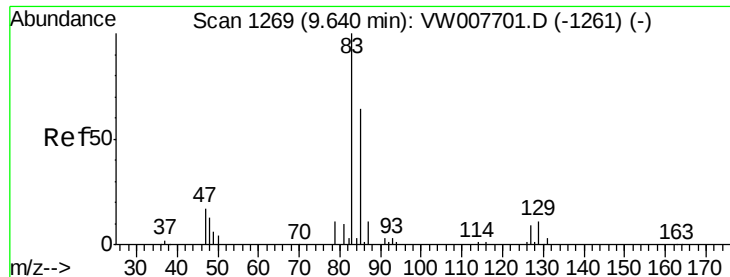
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#46
 Dibromomethane
 Concen: 104.898 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.5	101.3
174	103.7	83.9	125.9





#47

Bromodichloromethane

Concen: 105.569 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

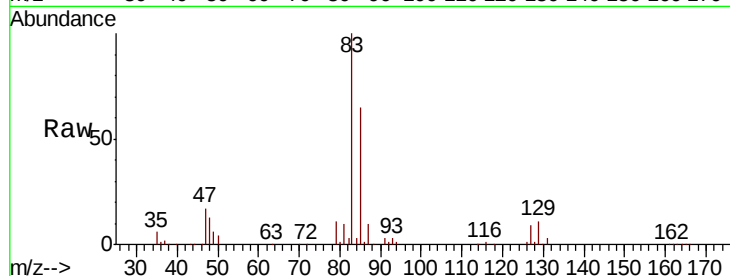
ClientSampleId :

VSTDIC100

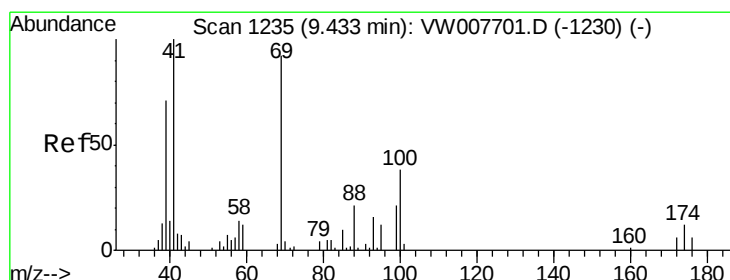
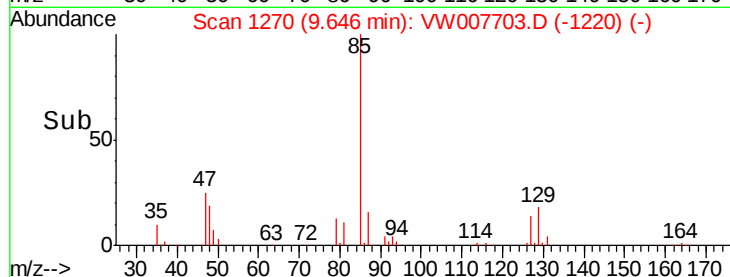
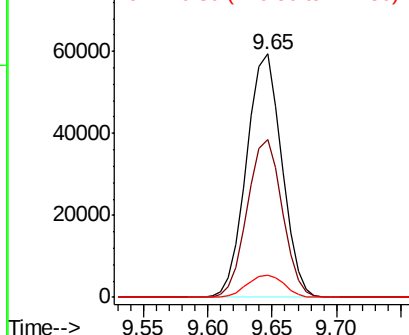
Tot Ion:	83	Resp:	112630
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.4	77.0
127	9.4	7.5	11.3

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 109.008 ug/l

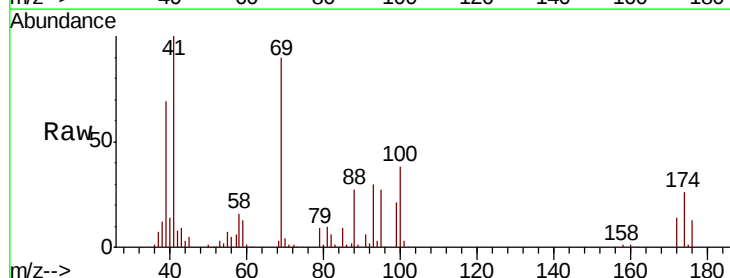
RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

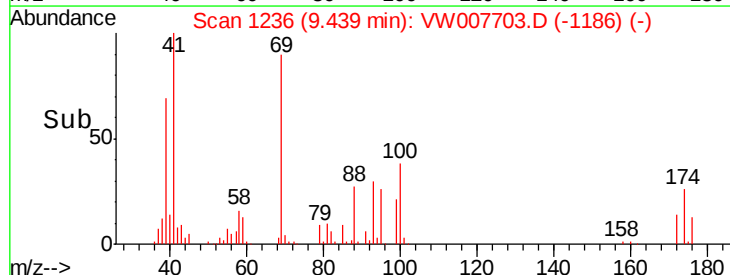
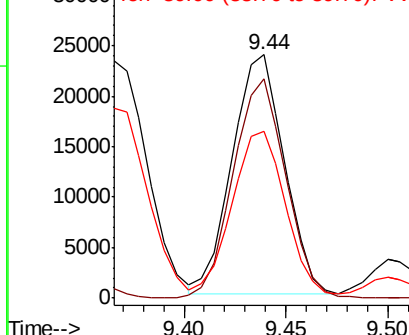
Lab File: VW007703.D

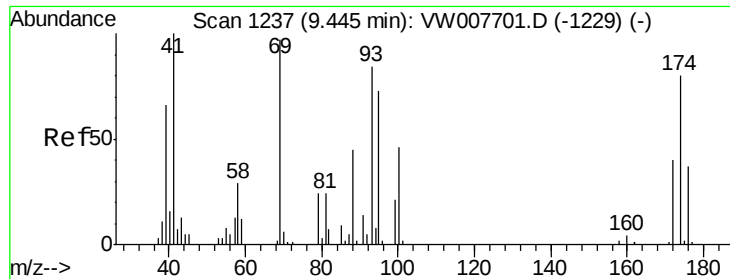
Acq: 19 Dec 2018 15:45

Tgt Ion:	41	Resp:	41888
Ion Ratio	Lower	Upper	
41	100		
69	93.4	74.2	111.2
39	73.1	53.9	80.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





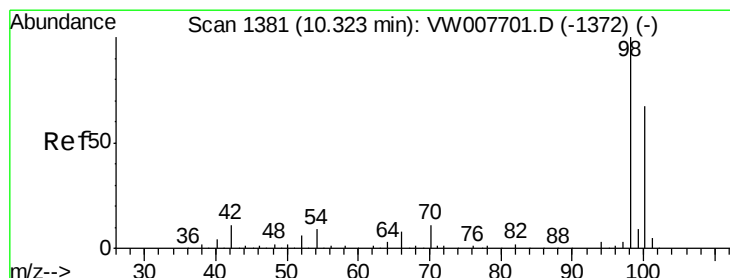
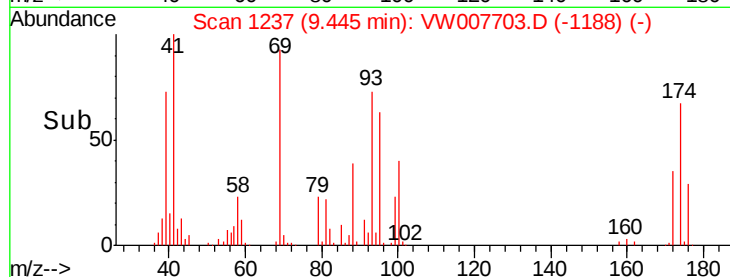
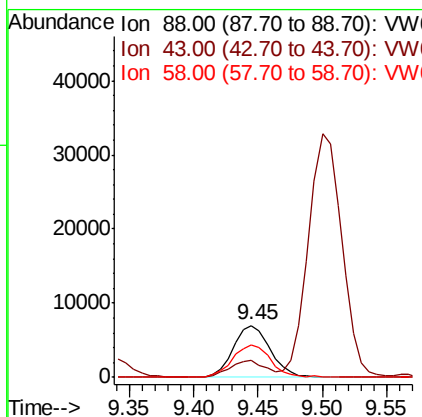
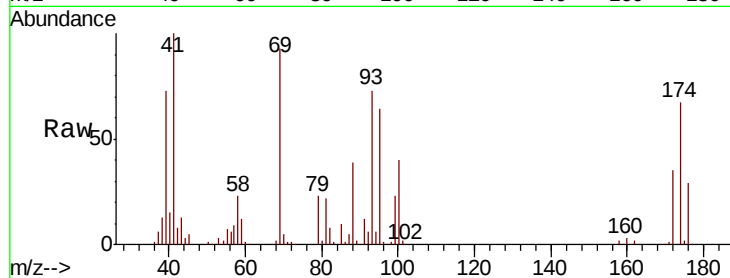
#49
1,4-Dioxane
Concen: 2182.570 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	14043
Ion Ratio	Lower	Upper	
88	100		
43	31.7	25.6	38.4
58	64.5	52.3	78.5

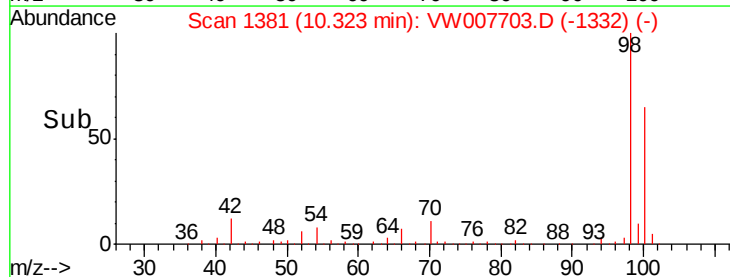
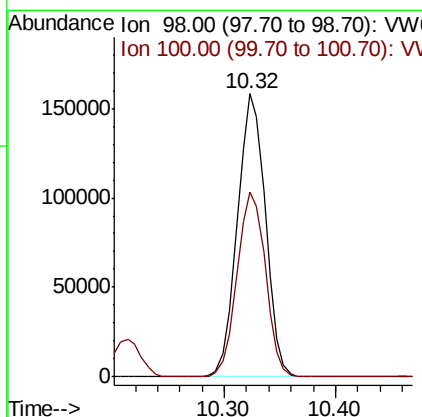
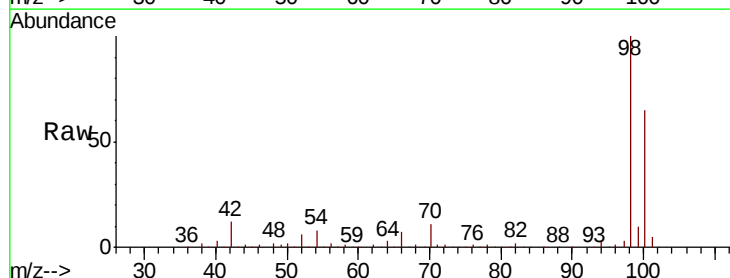
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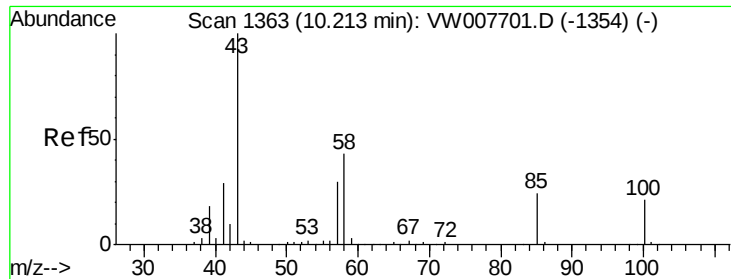
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#50
Toluene-d8
Concen: 103.959 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	98	Resp	275804
Ion Ratio	Lower	Upper	
98	100		
100	66.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 537.645 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 195607

Ion Ratio Lower Upper

43 100

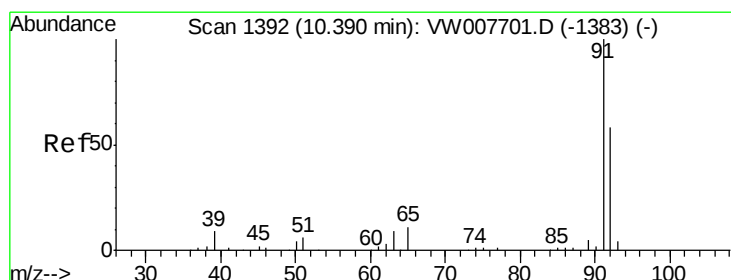
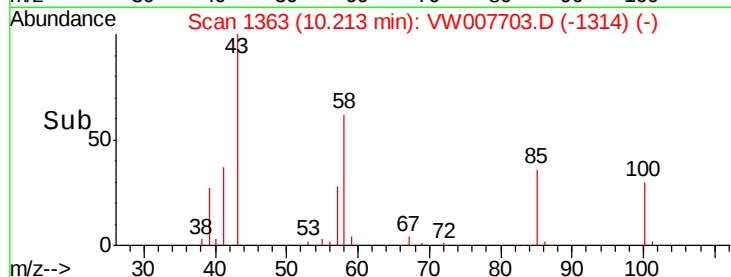
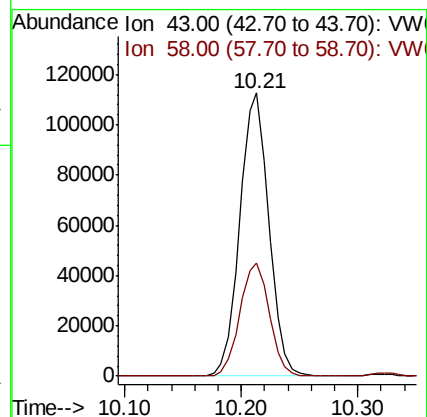
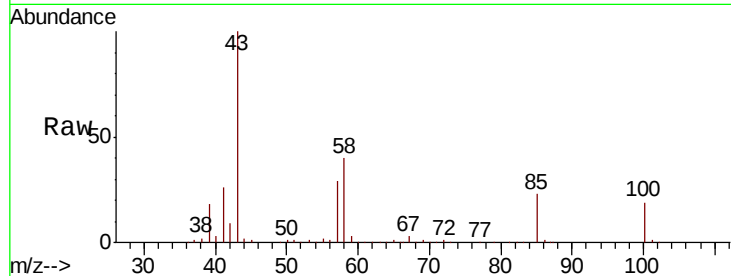
58 40.6 33.2 49.8

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#52

Toluene

Concen: 101.907 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007703.D

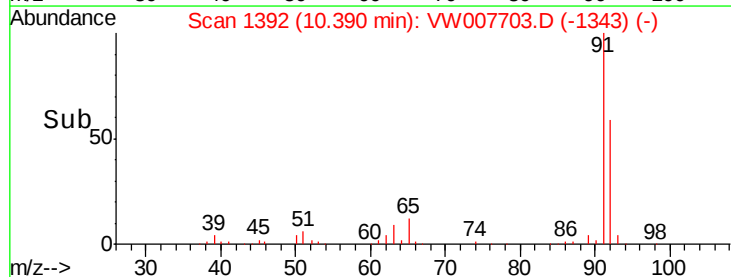
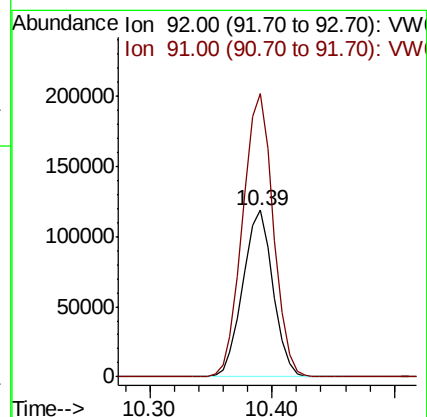
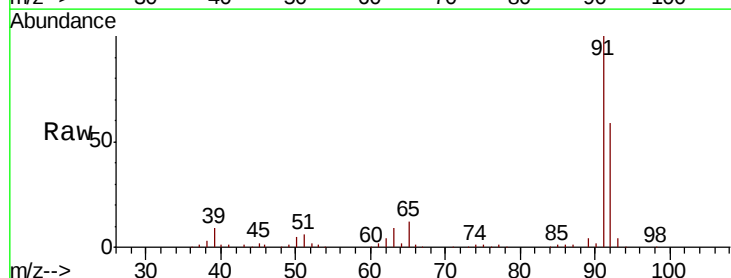
Acq: 19 Dec 2018 15:45

Tgt Ion: 92 Resp: 203144

Ion Ratio Lower Upper

92 100

91 172.2 137.0 205.4





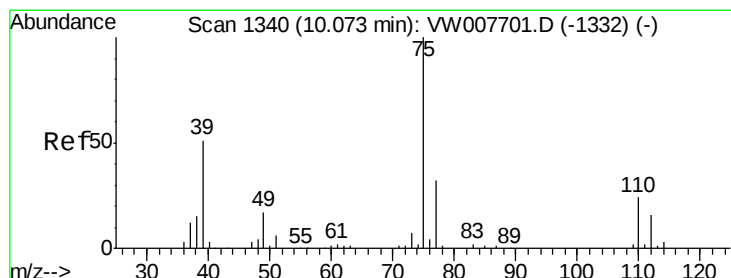
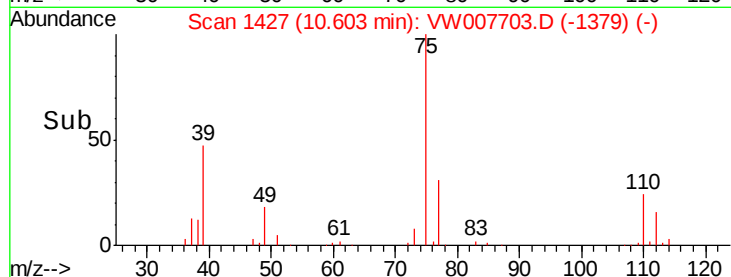
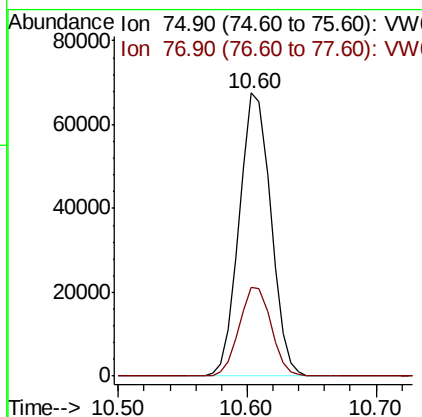
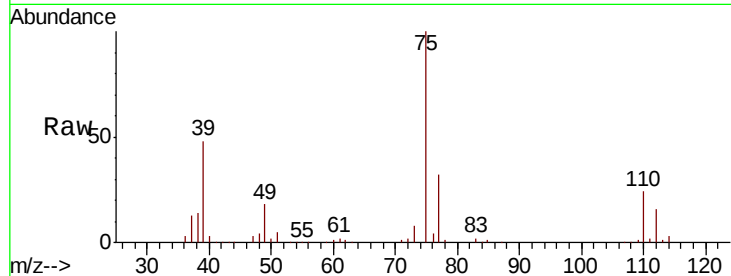
#53
t-1,3-Dichloropropene
Concen: 108.438 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 115073
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8

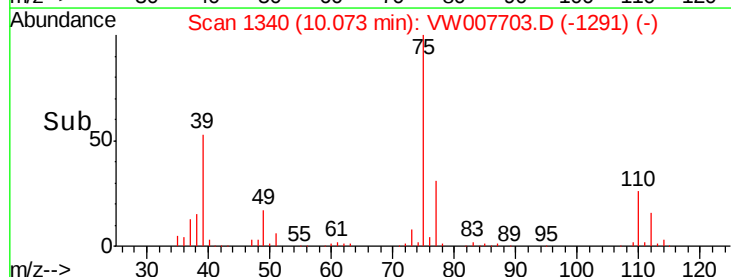
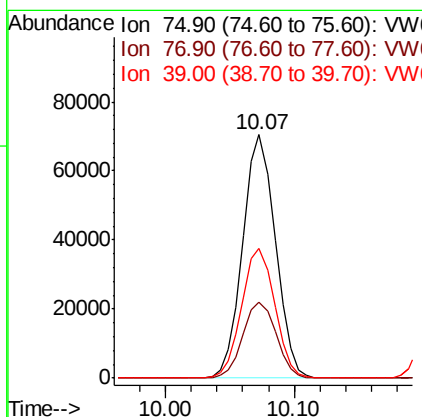
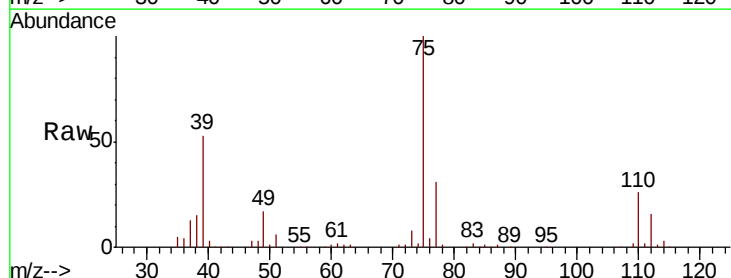
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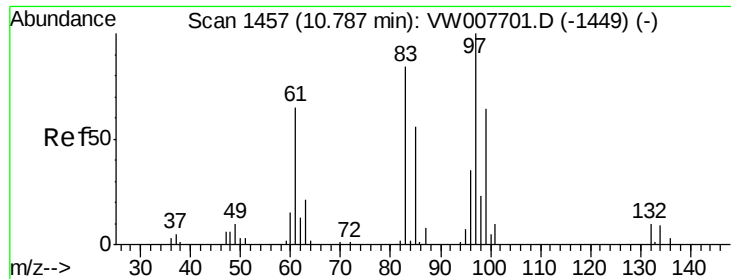
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#54
cis-1,3-Dichloropropene
Concen: 105.812 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 75 Resp: 124029
Ion Ratio Lower Upper
75 100
77 31.0 25.5 38.3
39 53.0 41.2 61.8





#55

1,1,2-Trichloroethane

Concen: 106.463 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 97 Resp: 59562

Ion Ratio Lower Upper

97 100

83 84.2 67.5 101.3

85 52.5 44.8 67.2

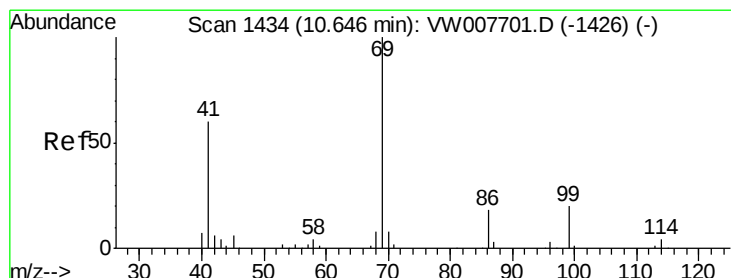
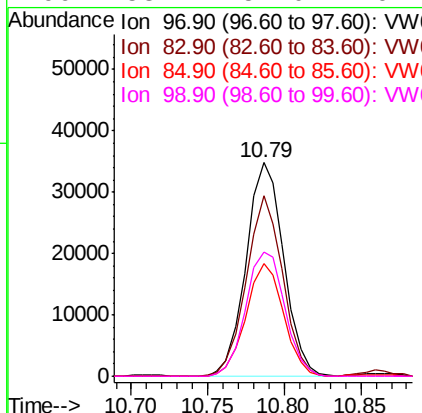
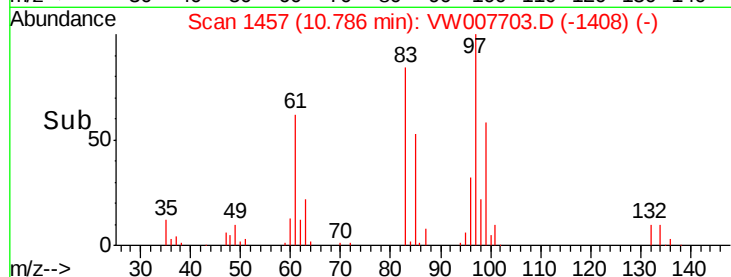
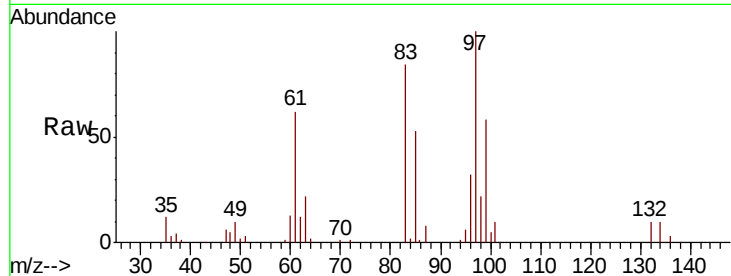
99 58.1 51.0 76.4

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#56

Ethyl methacrylate

Concen: 111.988 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

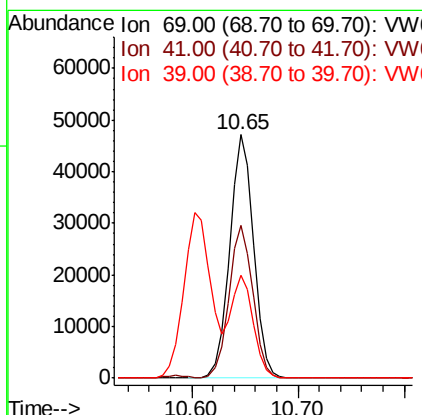
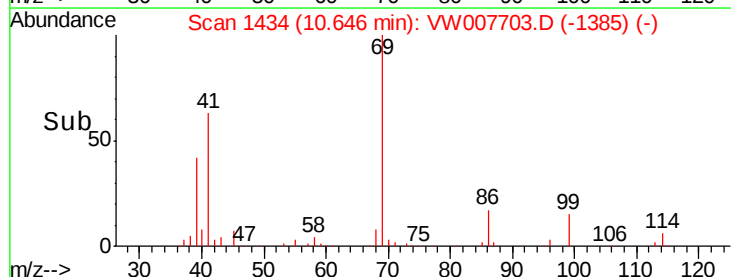
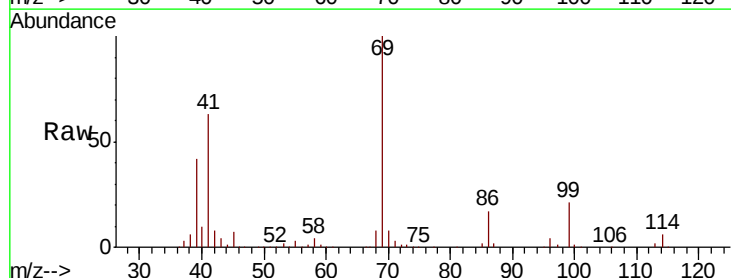
Tgt Ion: 69 Resp: 74025

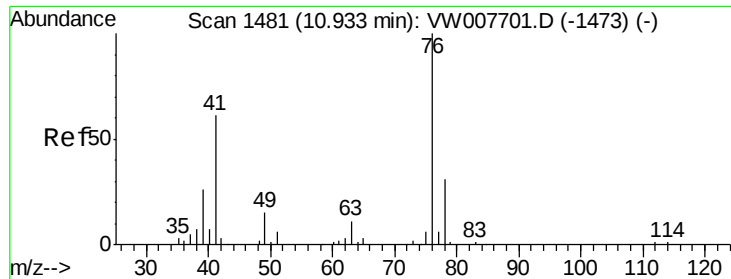
Ion Ratio Lower Upper

69 100

41 62.9 48.9 73.3

39 40.5 31.3 46.9





#57

1,3-Dichloropropane

Concen: 104.916 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 97469

Ion Ratio Lower Upper

76 100

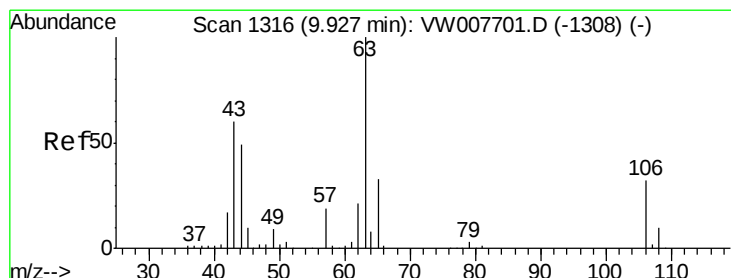
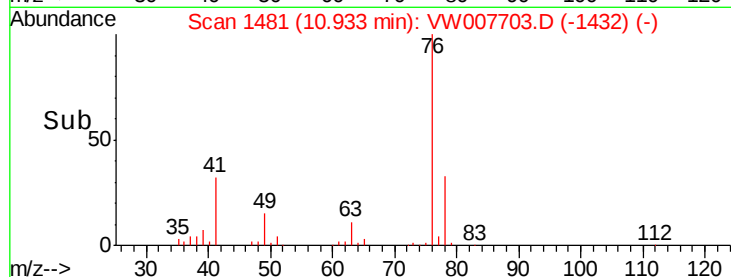
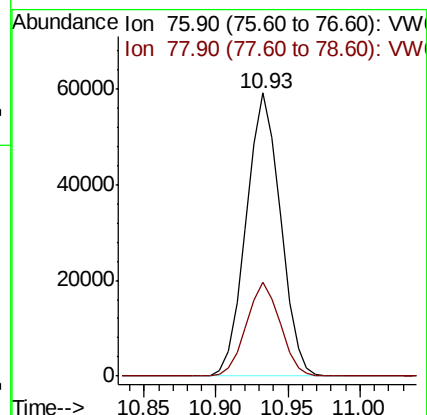
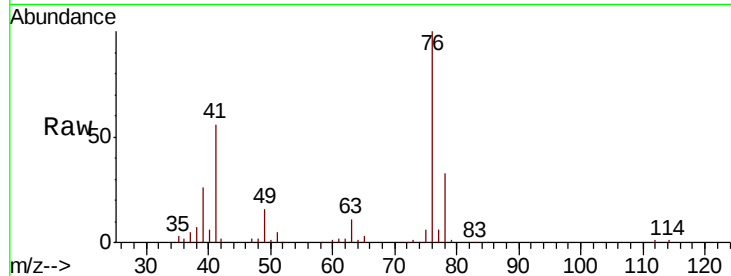
78 32.7 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 524.935 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007703.D

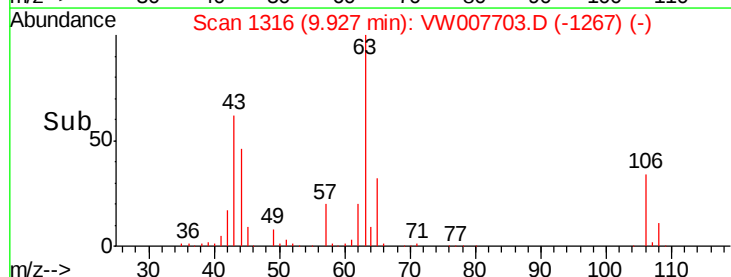
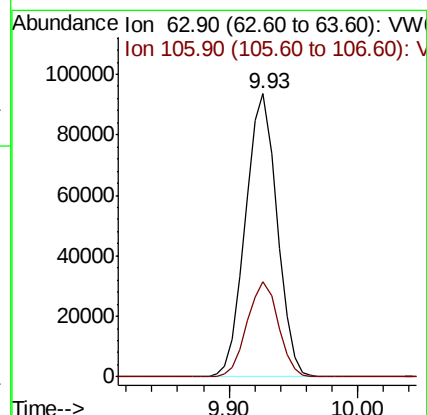
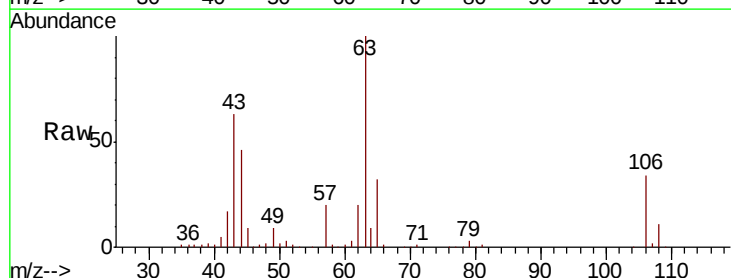
Acq: 19 Dec 2018 15:45

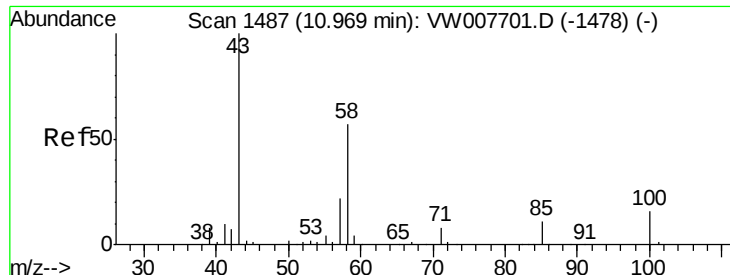
Tgt Ion: 63 Resp: 158425

Ion Ratio Lower Upper

63 100

106 33.2 25.9 38.9





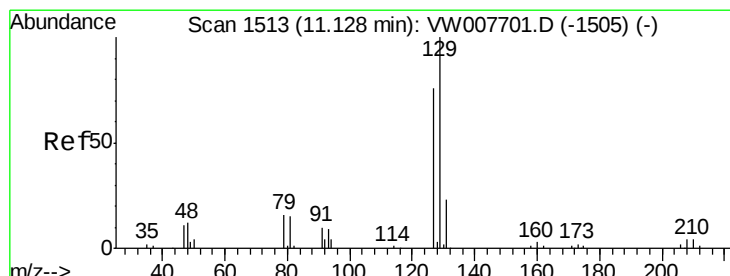
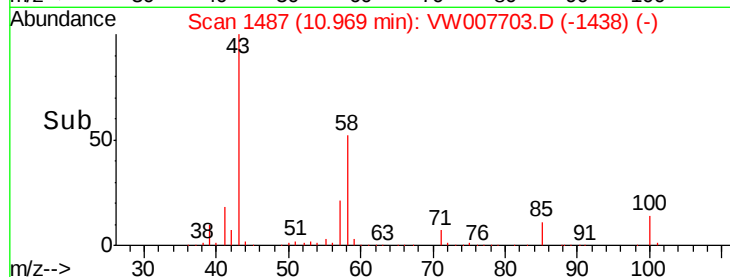
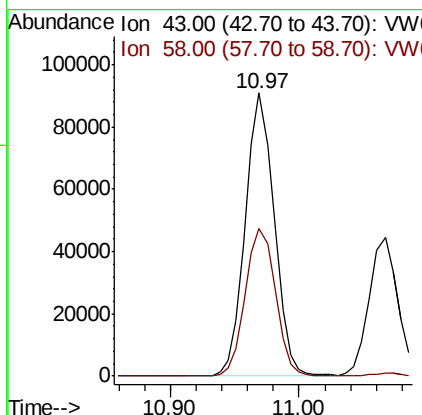
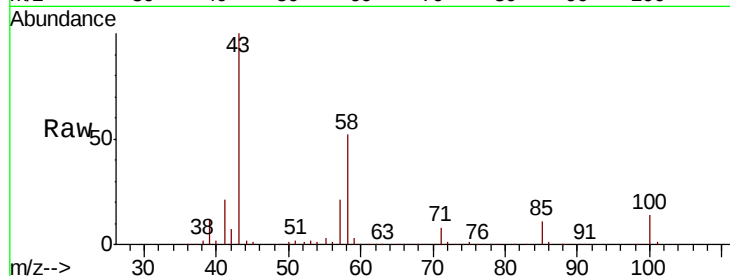
#59
2-Hexanone
Concen: 551.275 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 141052
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1

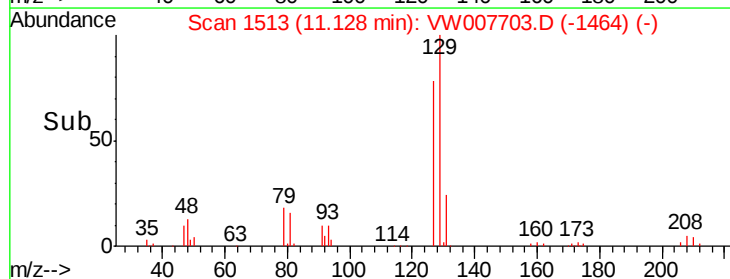
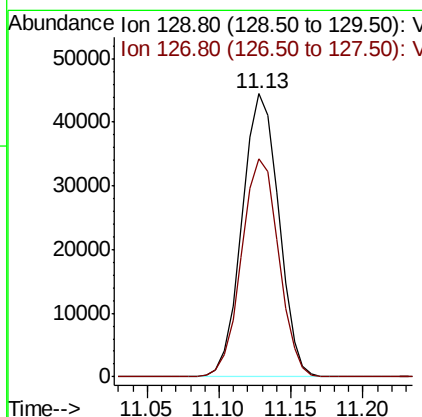
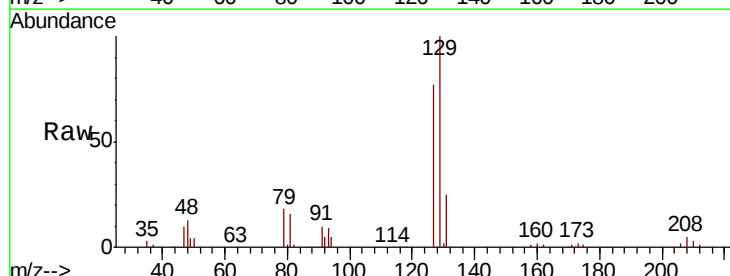
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#60
Dibromochloromethane
Concen: 106.167 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion: 129 Resp: 78645
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9





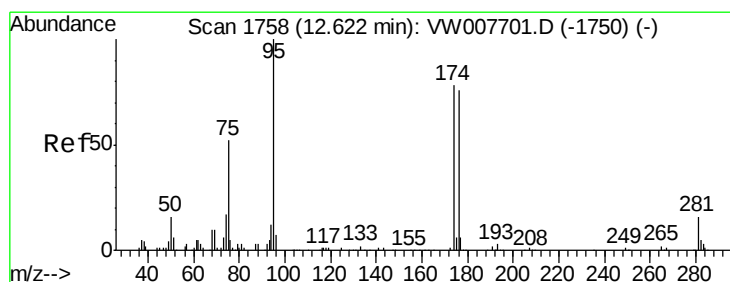
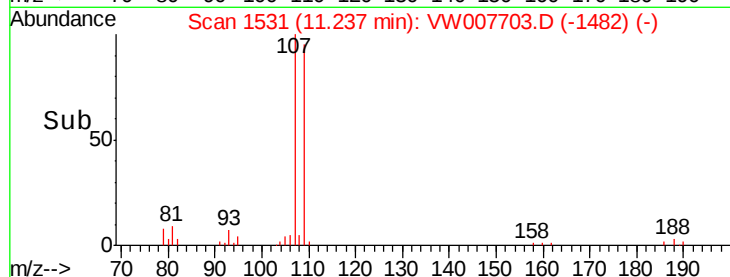
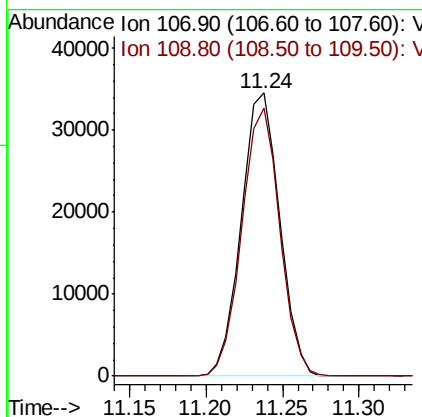
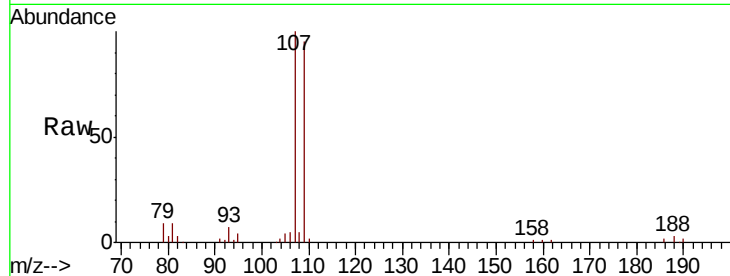
#61
 1,2-Dibromoethane
 Concen: 106.451 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.4	113.0

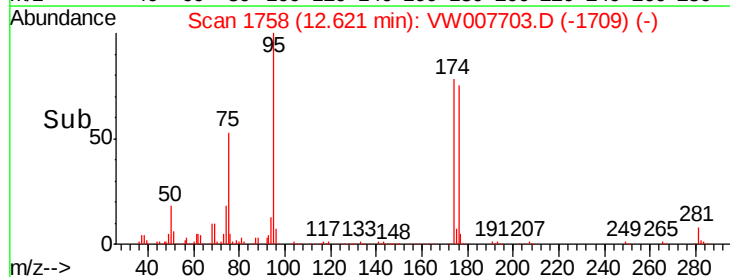
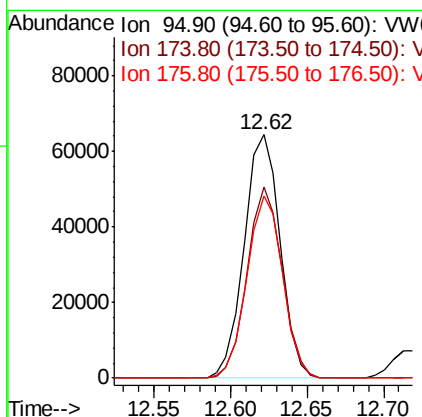
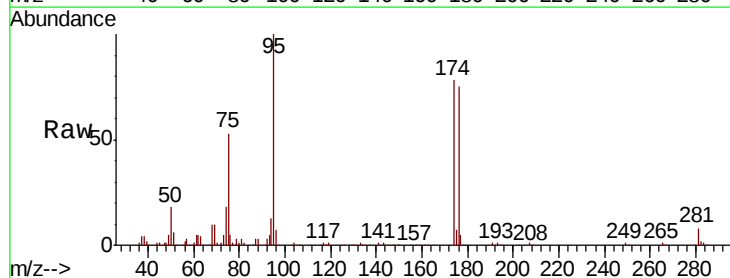
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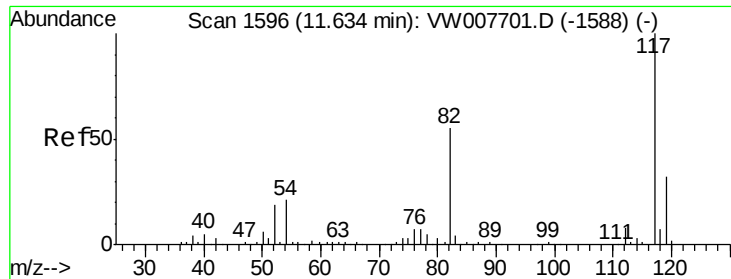
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#62
 4-Bromofluorobenzene
 Concen: 102.655 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	152.2
176	74.6	0.0	146.8





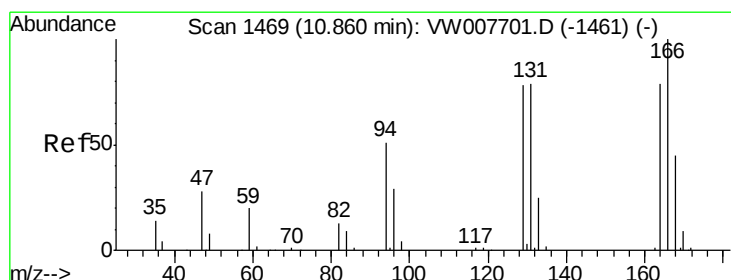
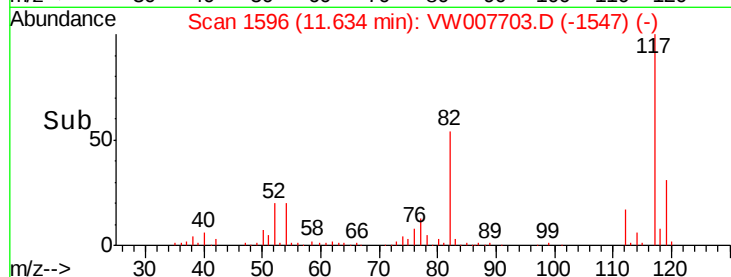
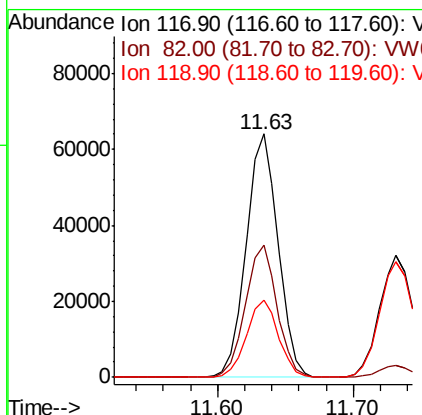
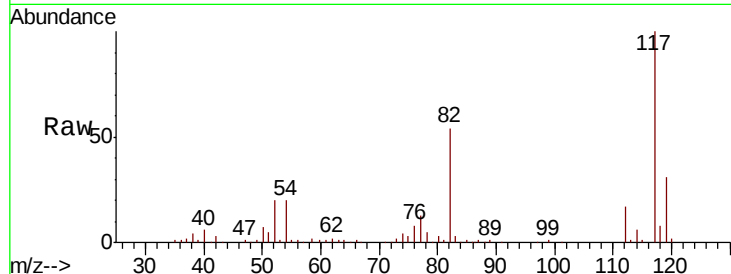
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.3	66.5
119	31.5	25.7	38.5

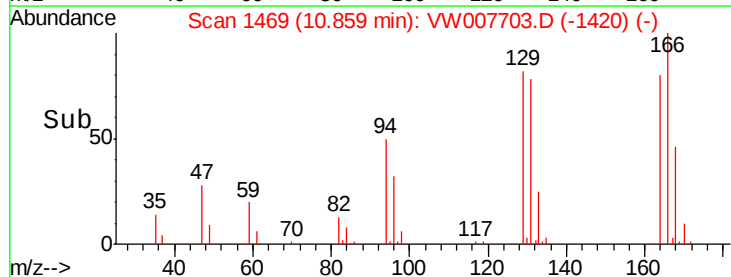
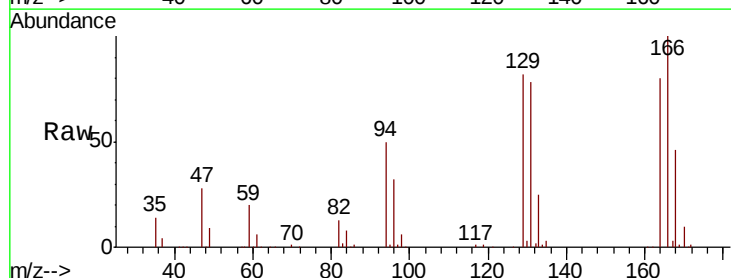
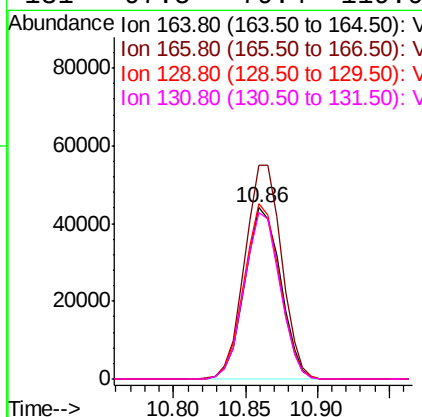
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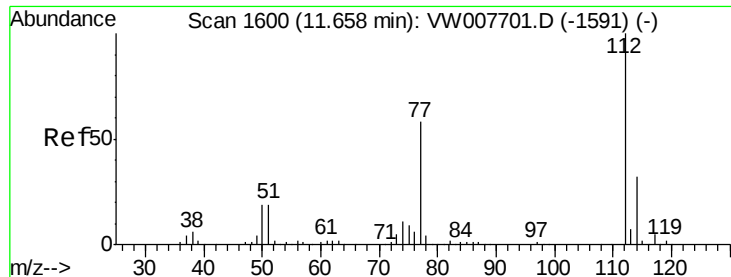
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#64
Tetrachloroethene
Concen: 102.070 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	101.0	151.6
129	102.1	78.7	118.1
131	97.5	79.4	119.0





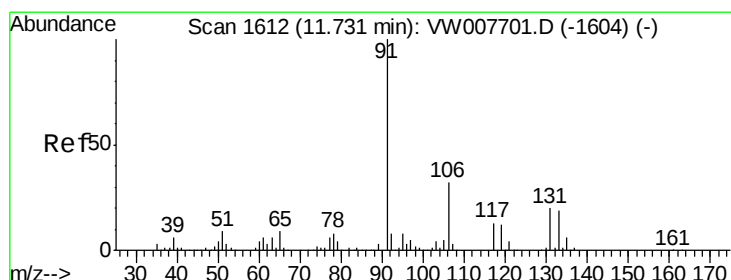
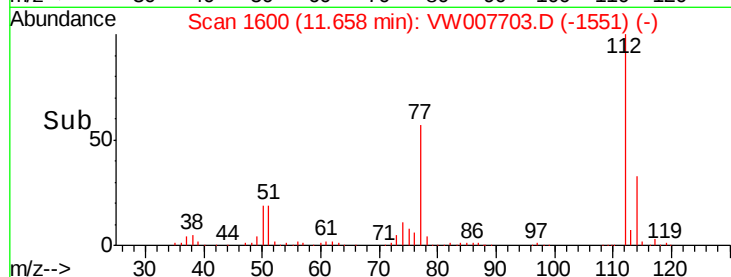
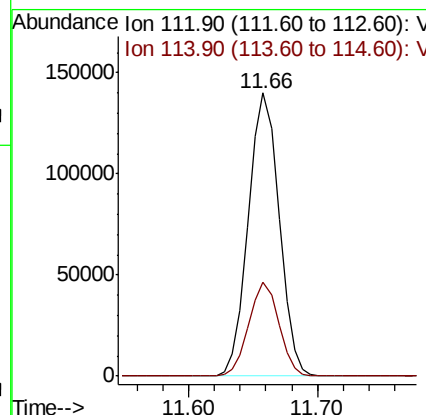
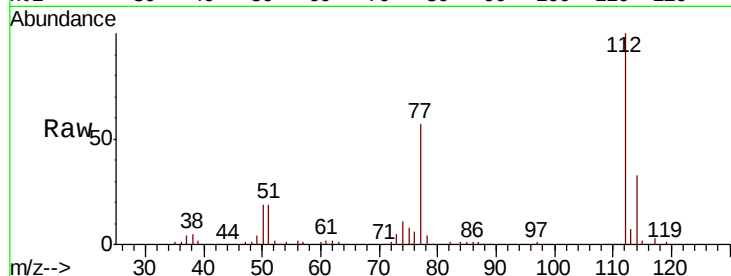
#65
Chlorobenzene
Concen: 101.641 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 231575
Ion Ratio Lower Upper
112 100
114 33.0 25.2 37.8

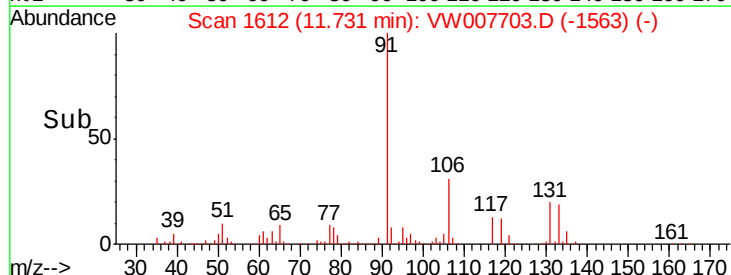
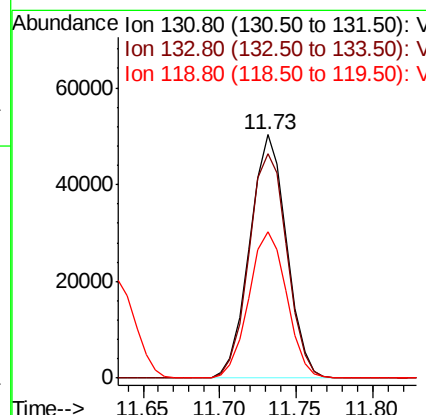
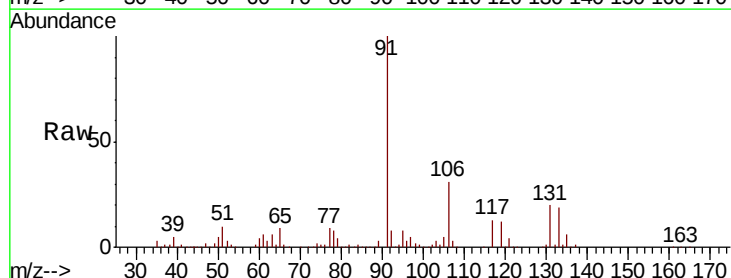
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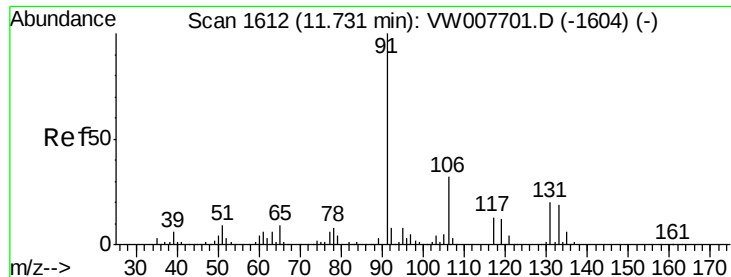
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#66
1,1,1,2-Tetrachloroethane
Concen: 103.845 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:131 Resp: 84540
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 61.7 30.2 90.6





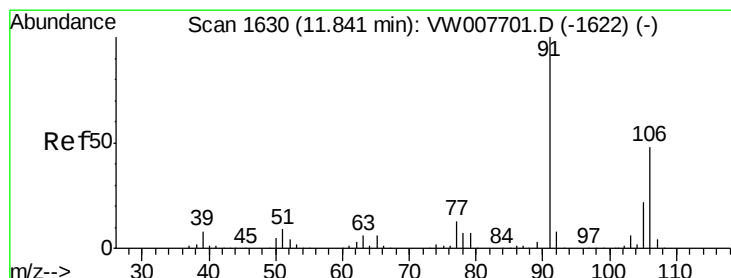
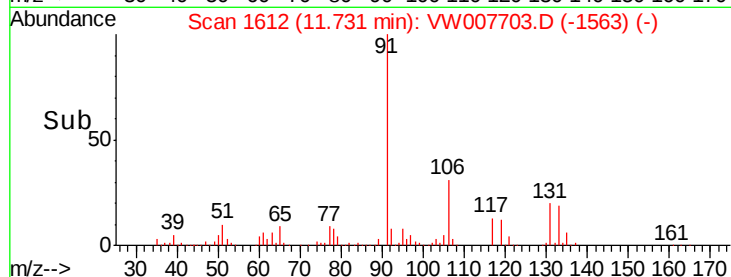
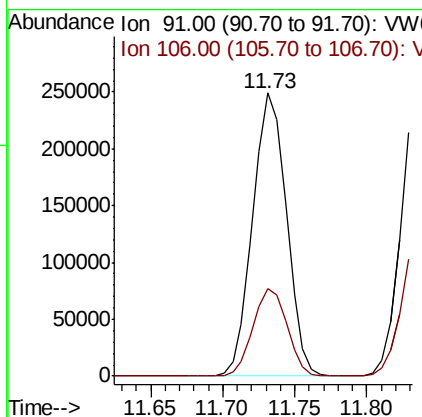
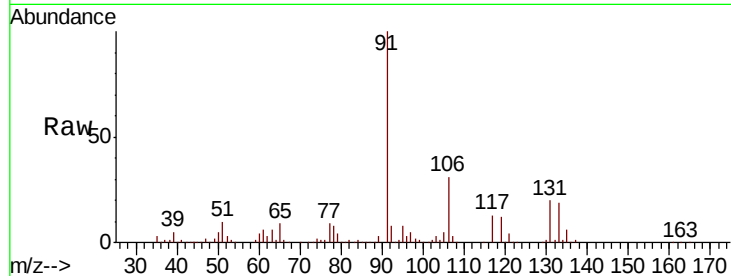
#67
Ethyl Benzene
Concen: 103.289 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 403824
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.8

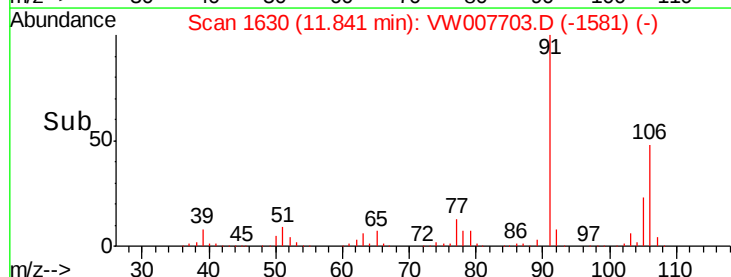
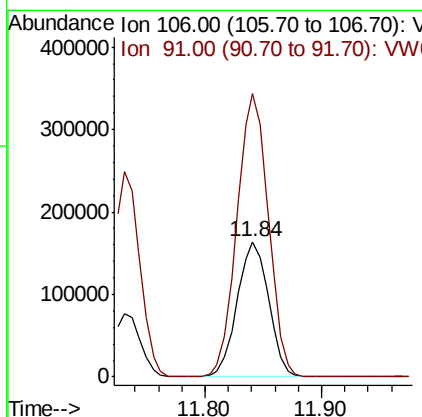
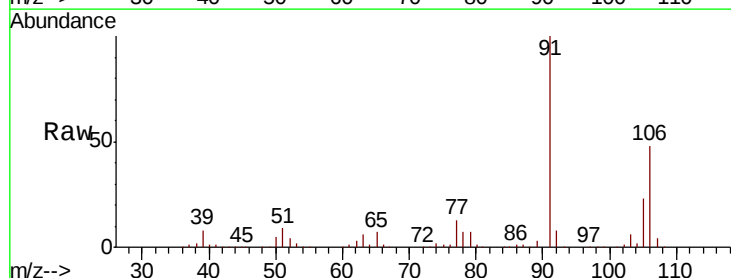
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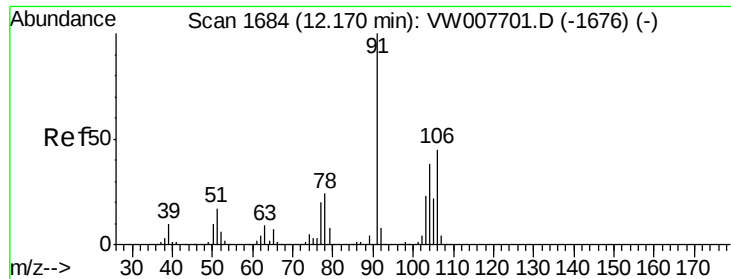
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#68
m/p-Xylenes
Concen: 203.728 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:106 Resp: 308976
Ion Ratio Lower Upper
106 100
91 208.9 165.2 247.8





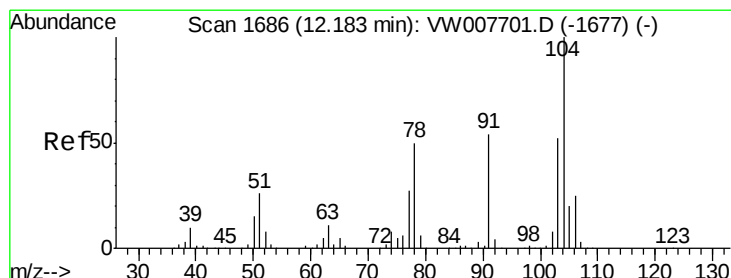
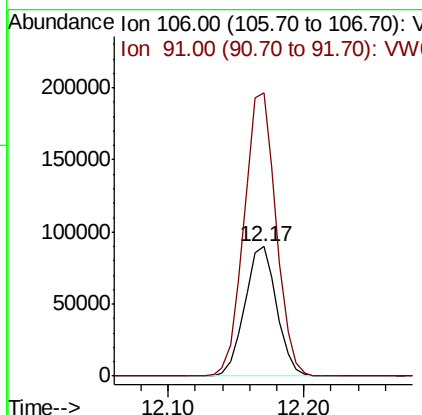
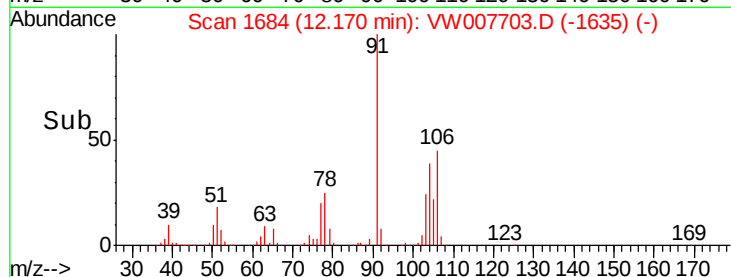
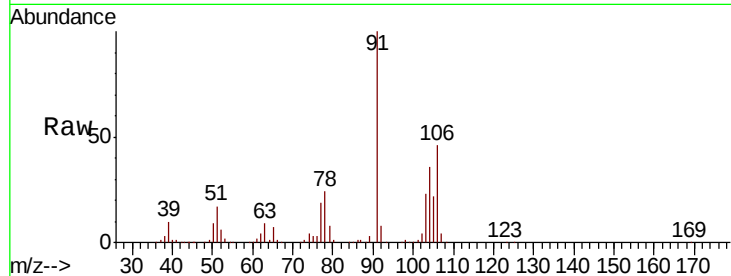
#69
o-Xylene
Concen: 103.506 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 147148
Ion Ratio Lower Upper
106 100
91 220.0 110.5 331.4

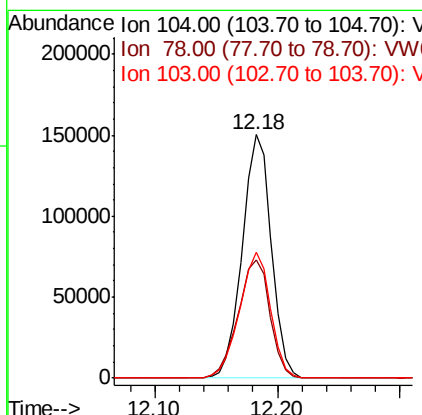
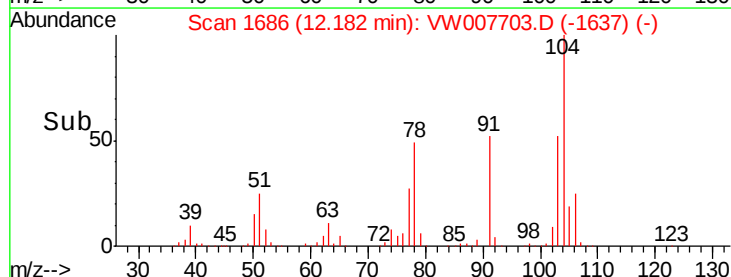
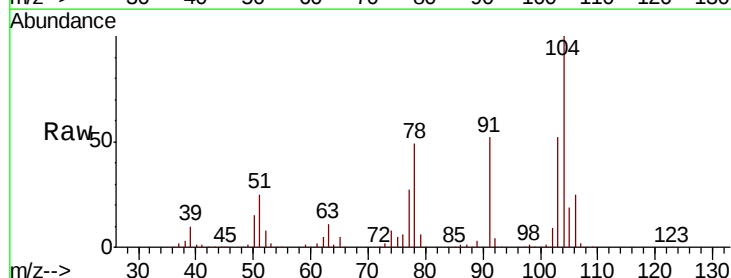
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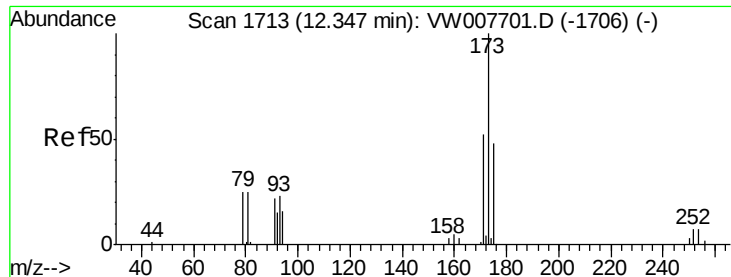
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#70
Styrene
Concen: 105.884 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion:104 Resp: 247437
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.0
103 55.1 44.5 66.7





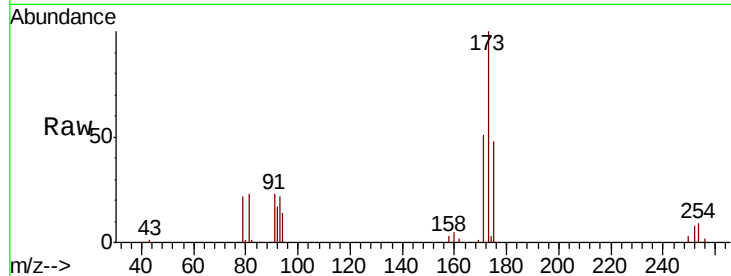
#71
Bromoform
Concen: 109.551 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

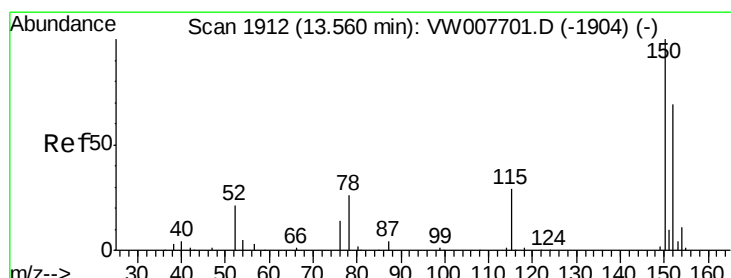
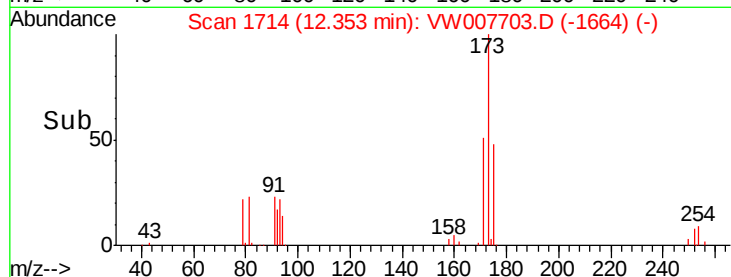
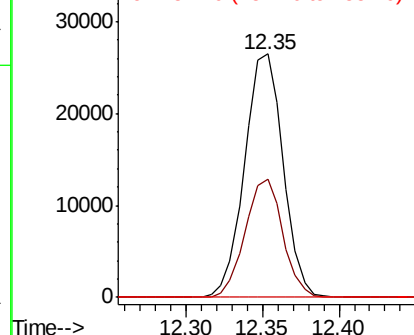
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.9	71.7
254	0.0	0.0	0.0

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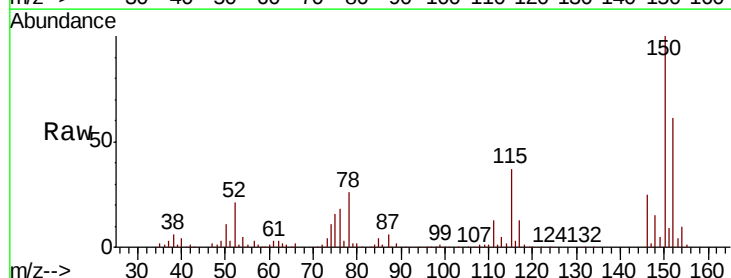


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

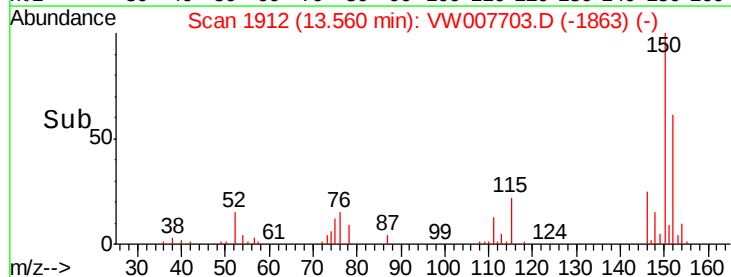
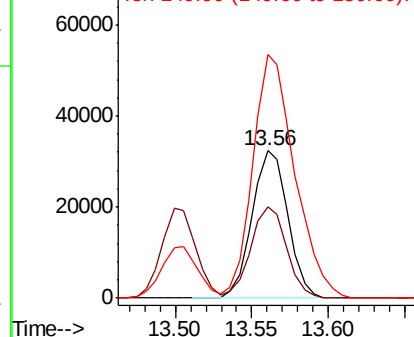


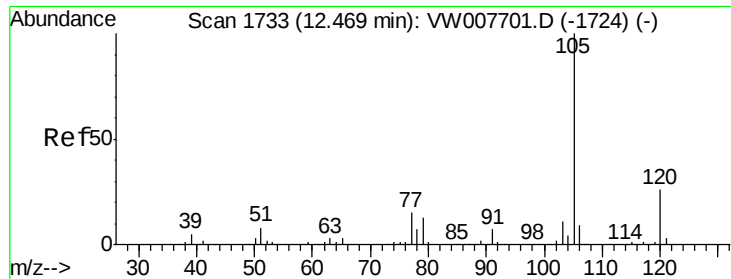
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.8	95.4
150	192.9	0.0	350.8



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: 105.503 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 419893

Ion Ratio Lower Upper

105 100

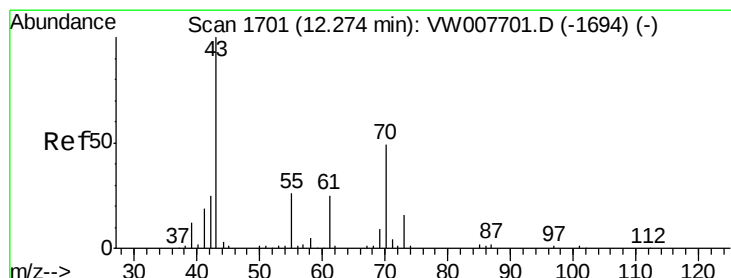
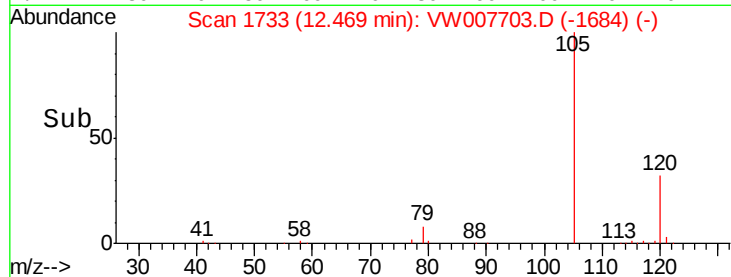
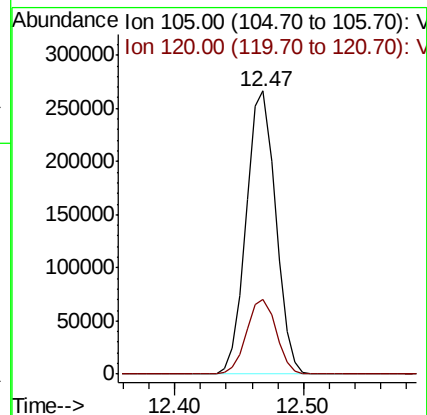
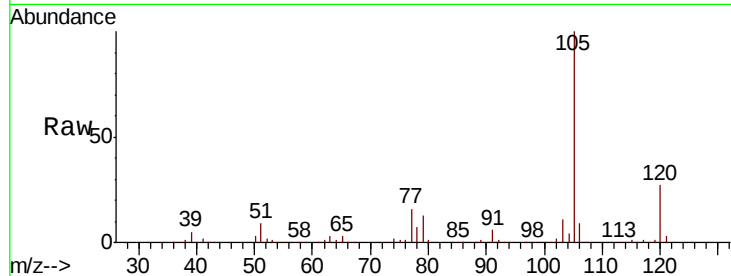
120 26.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 111.575 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion: 43 Resp: 76917

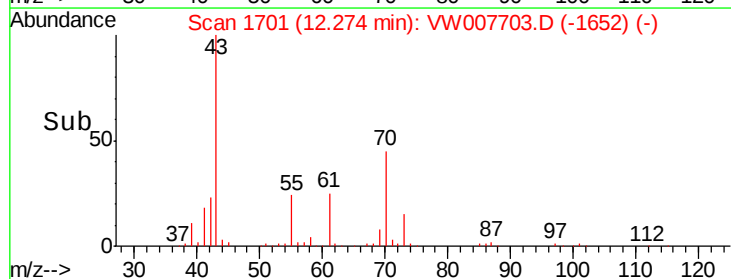
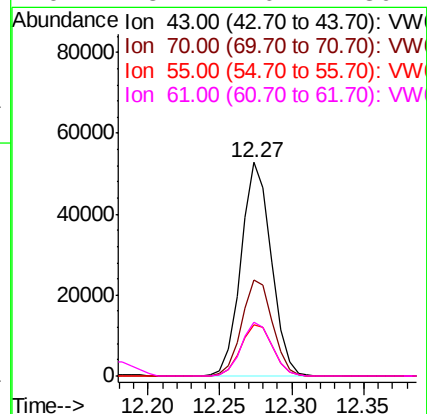
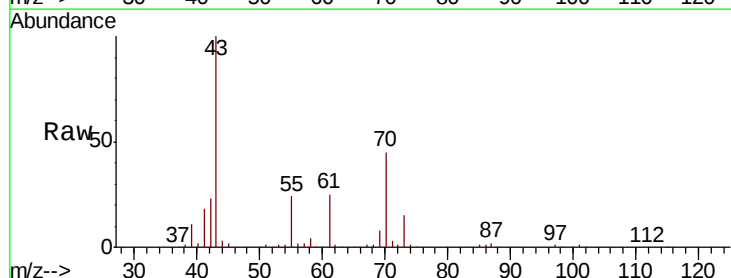
Ion Ratio Lower Upper

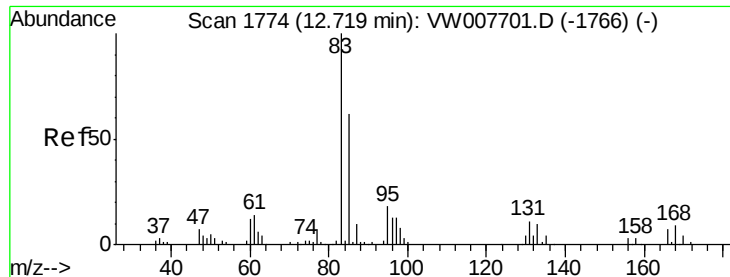
43 100

70 46.0 37.6 56.4

55 25.5 21.7 32.5

61 25.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 106.269 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

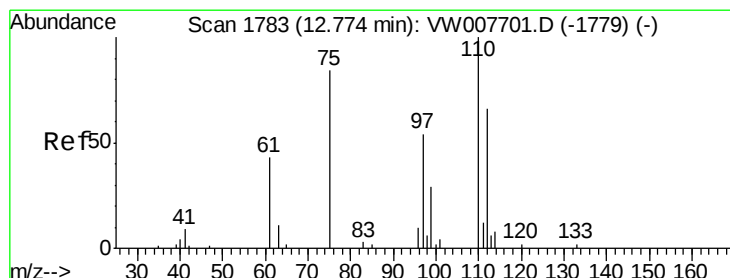
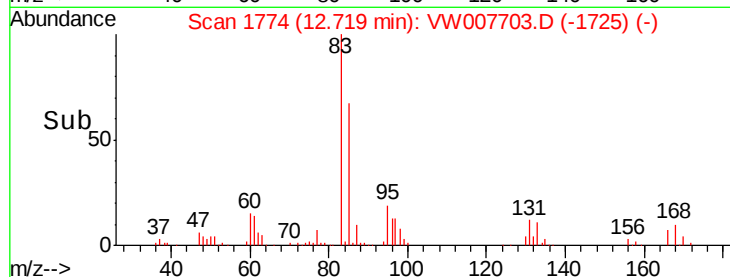
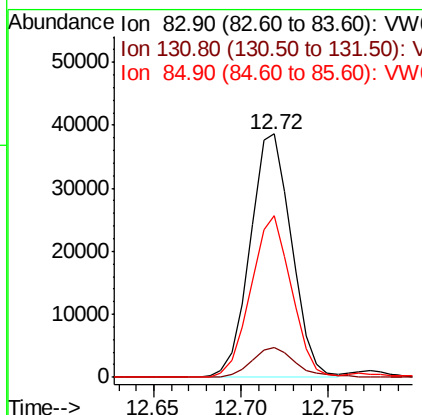
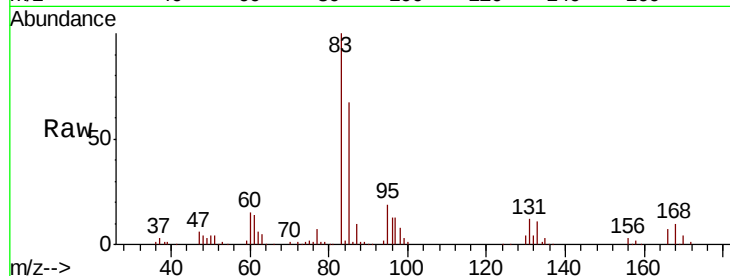
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	63413
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.3	18.8
85	65.1	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 62.860 ug/l m

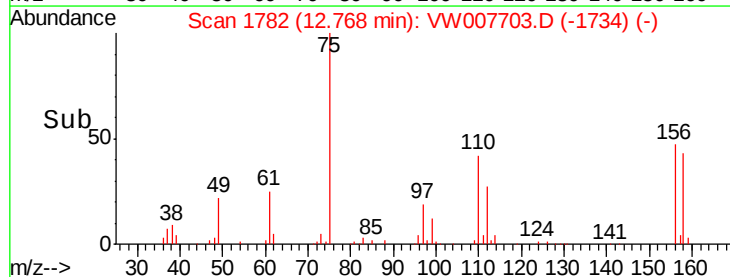
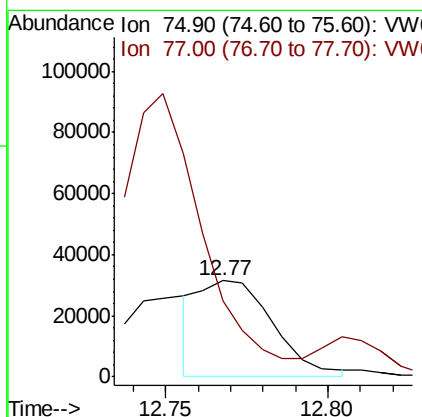
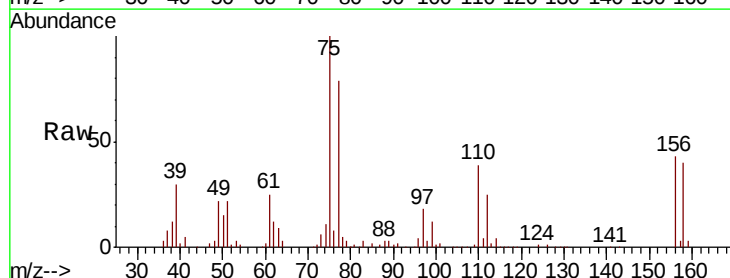
RT: 12.77 min Scan# 1782

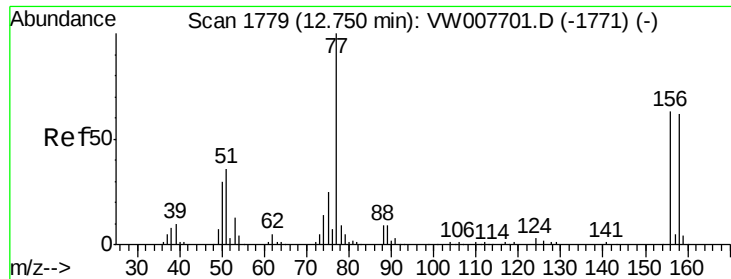
Delta R.T. -0.01 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion:	75	Resp:	50104
Ion Ratio	Lower	Upper	
75	100		
77	333.2	0.0	0.0#





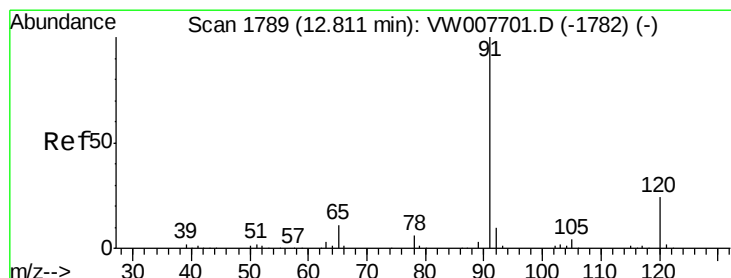
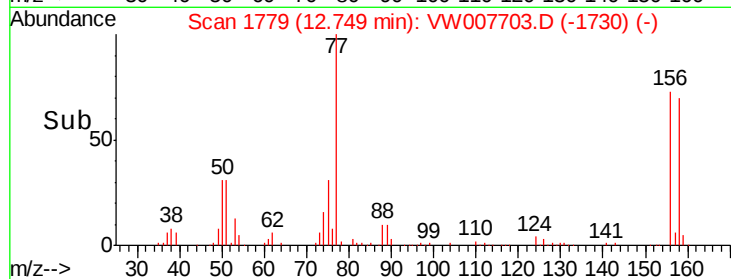
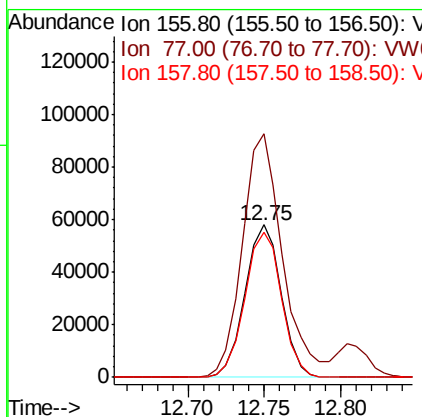
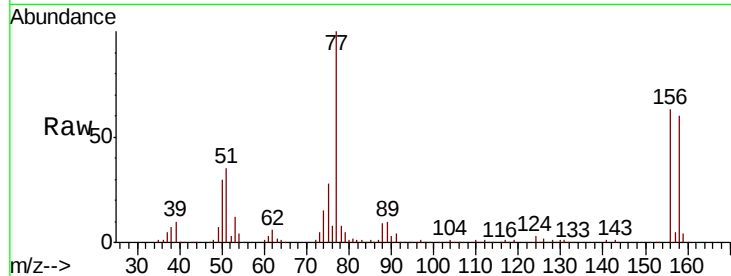
#77
Bromobenzene
Concen: 104.136 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.8	87.4	262.1	
158	96.6	48.4	145.0	

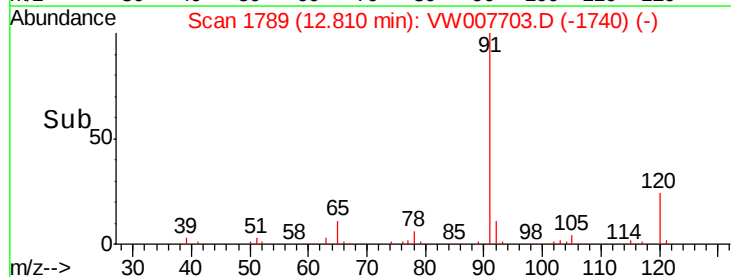
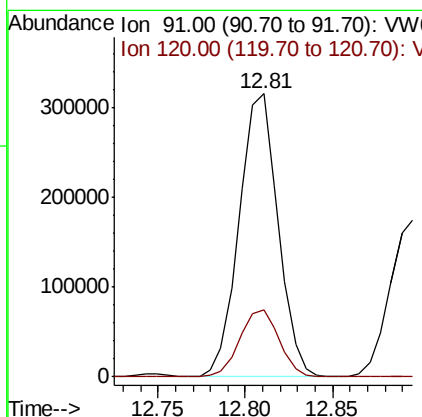
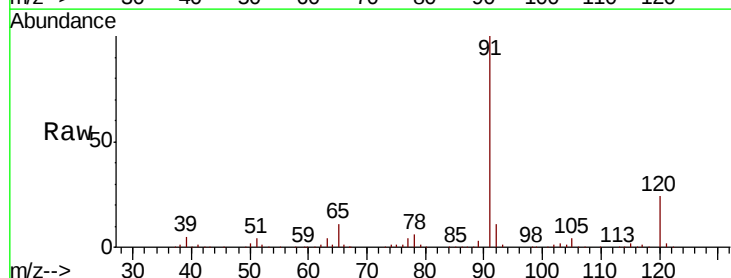
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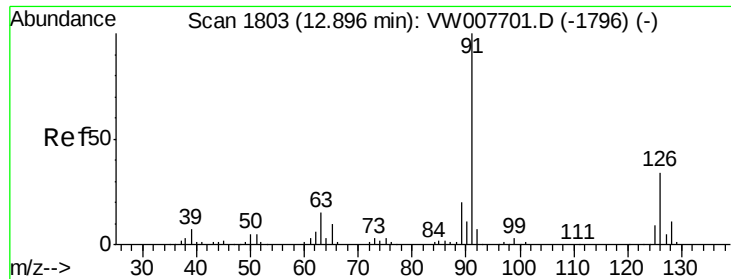
apatel
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#78
n-propylbenzene
Concen: 104.771 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.0	11.9	35.7	





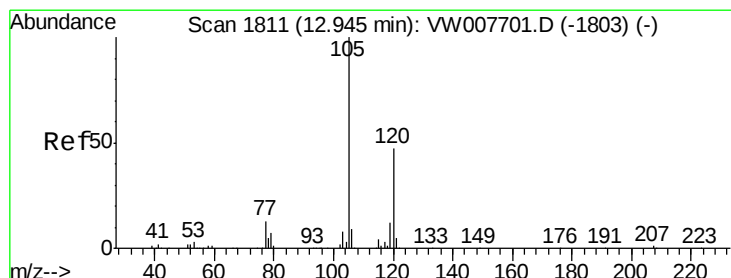
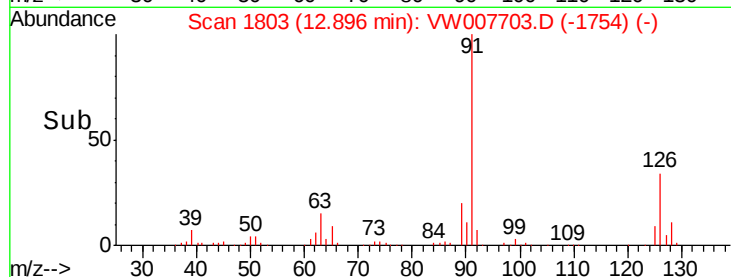
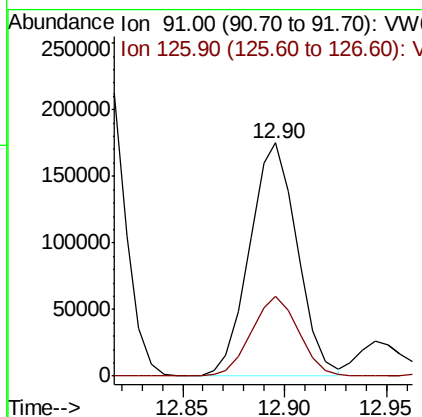
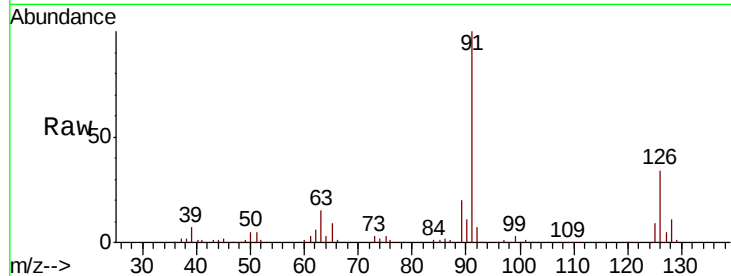
#79
 2-Chlorotoluene
 Concen: 105.138 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 283753
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.0 51.0

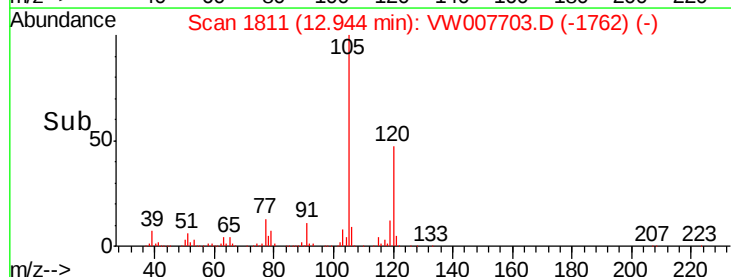
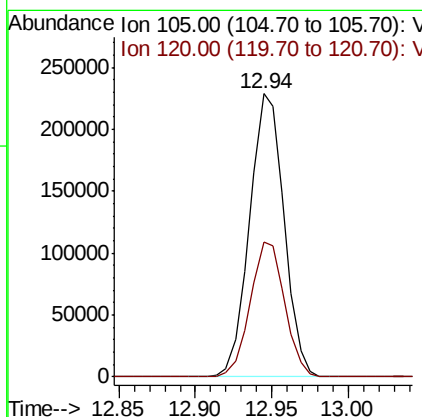
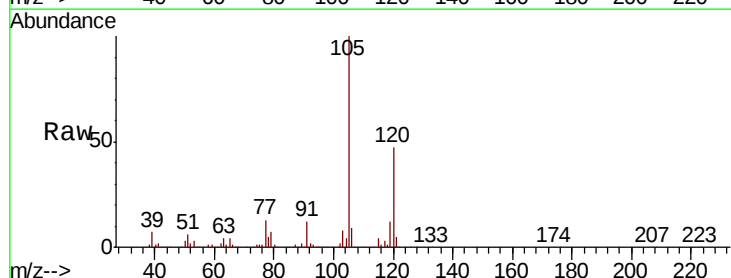
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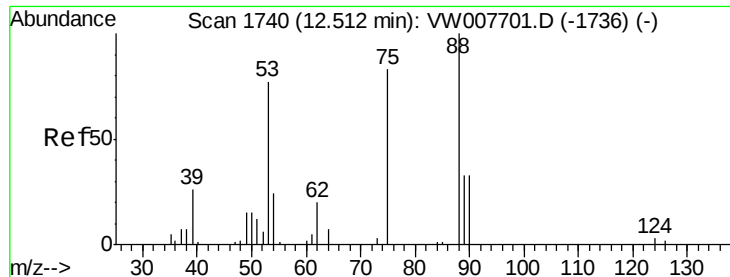
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#80
 1,3,5-Trimethylbenzene
 Concen: 104.524 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion: 105 Resp: 358825
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.6 70.8





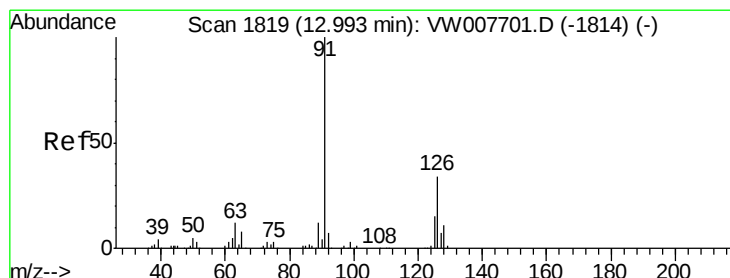
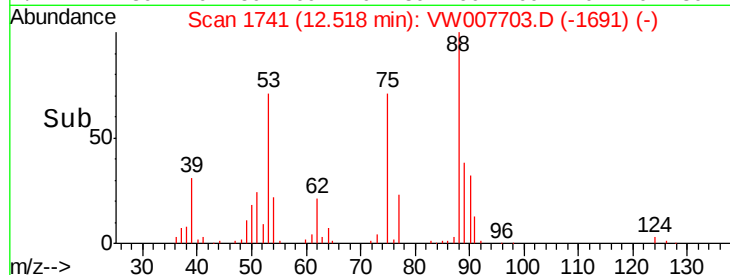
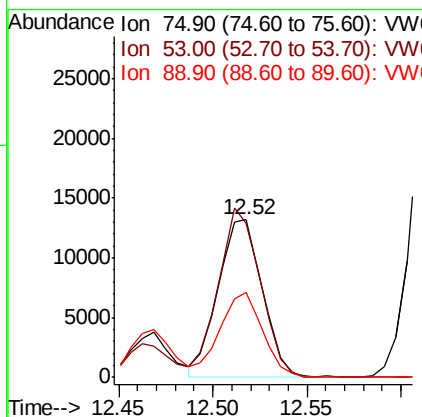
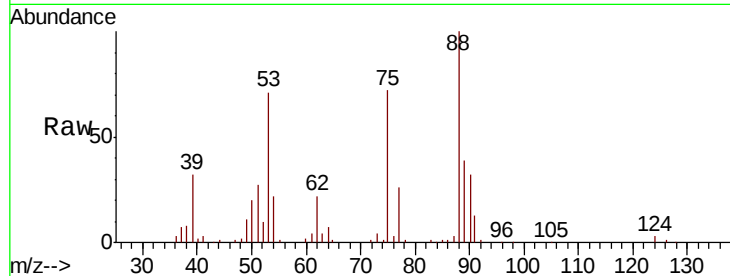
#81
trans-1,4-Dichloro-2-butene
Concen: 110.867 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.8	80.2	120.2
89	52.5	39.2	58.8

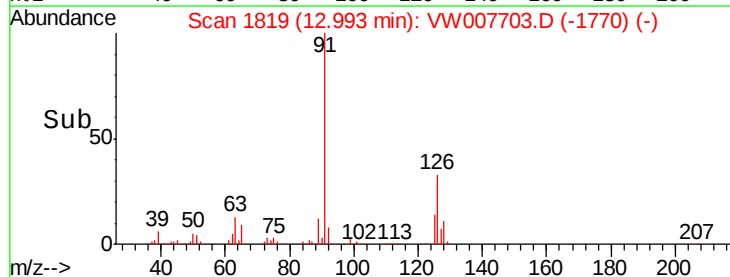
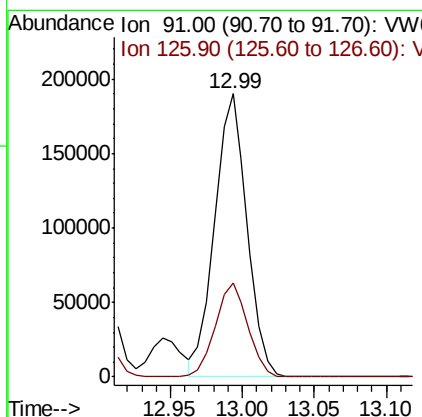
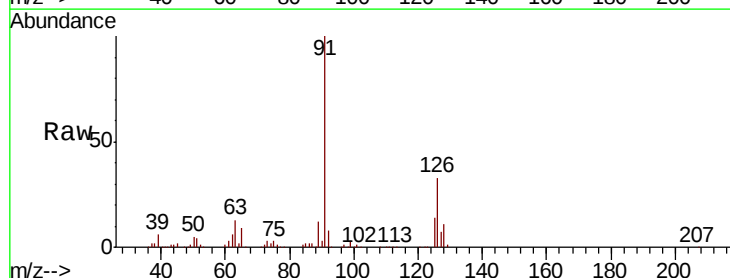
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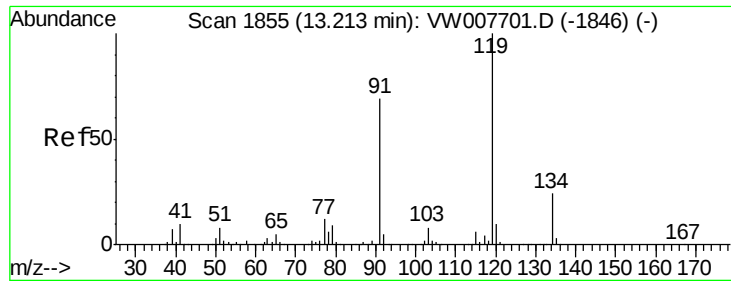
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#82
4-Chlorotoluene
Concen: 103.606 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.5	49.5





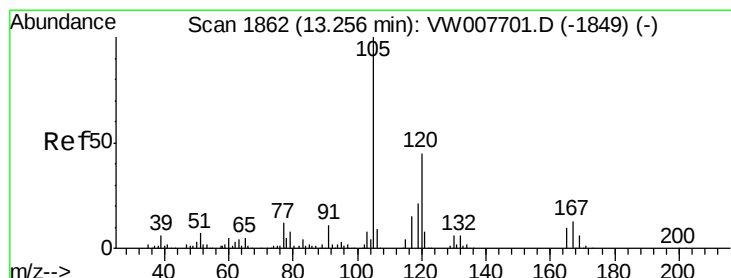
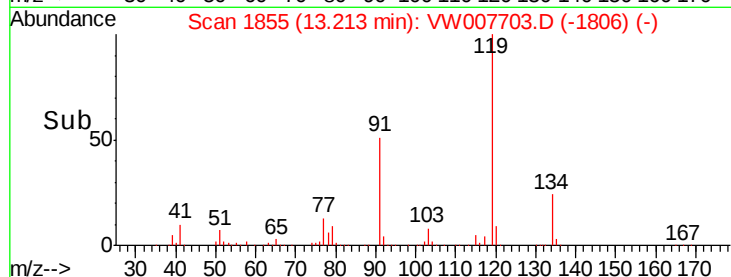
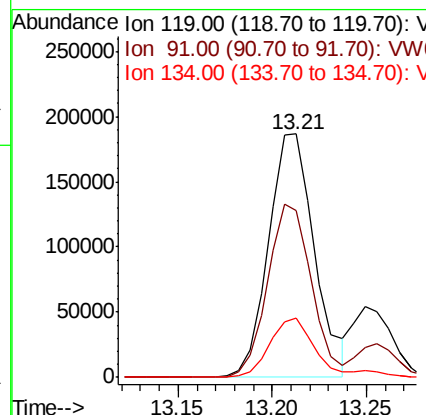
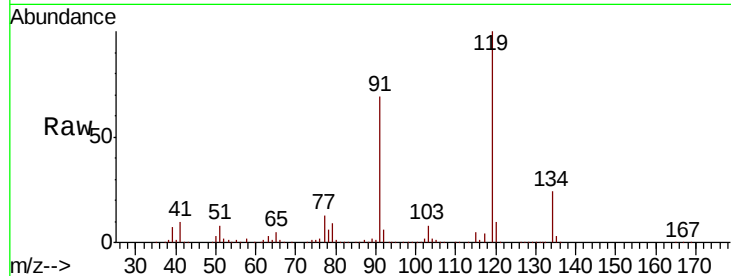
#83
tert-Butylbenzene
Concen: 104.967 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.2	102.5
134	25.1	12.8	38.4

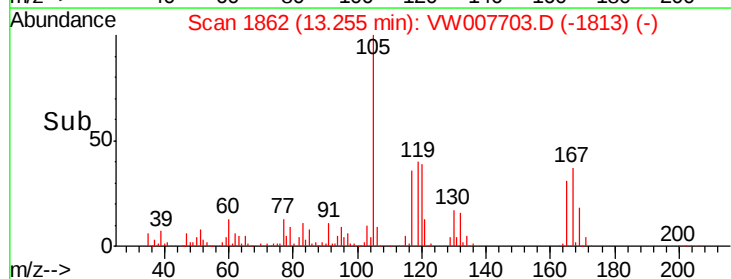
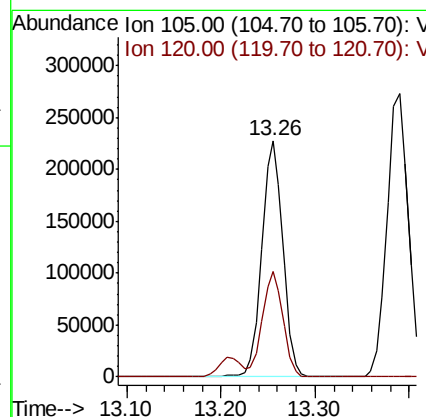
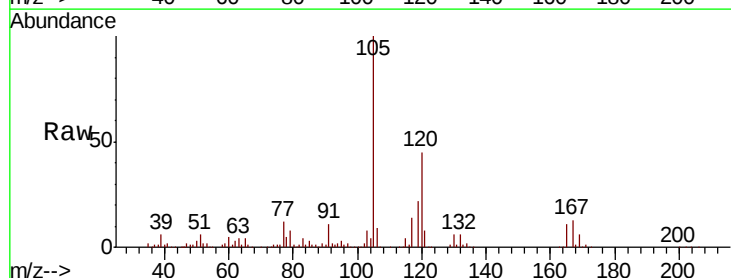
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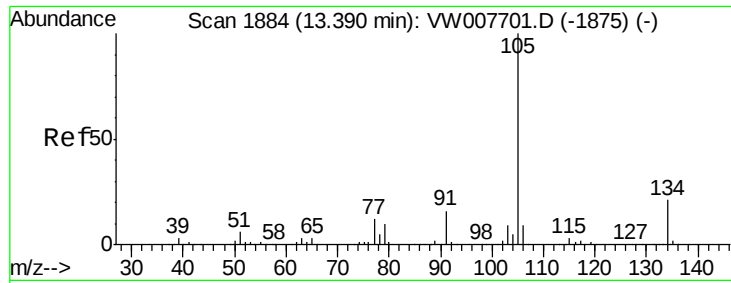
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#84
1,2,4-Trimethylbenzene
Concen: 103.723 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0





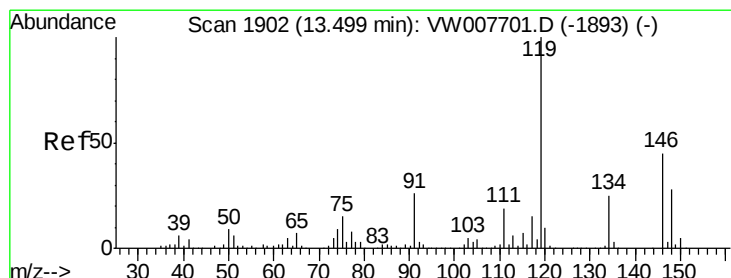
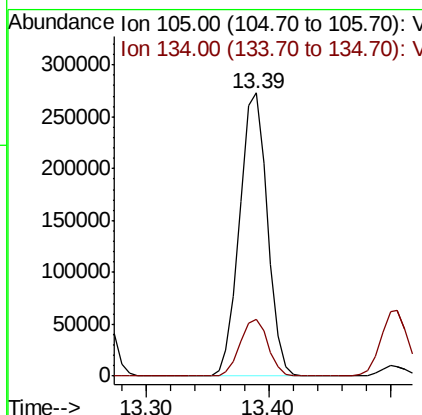
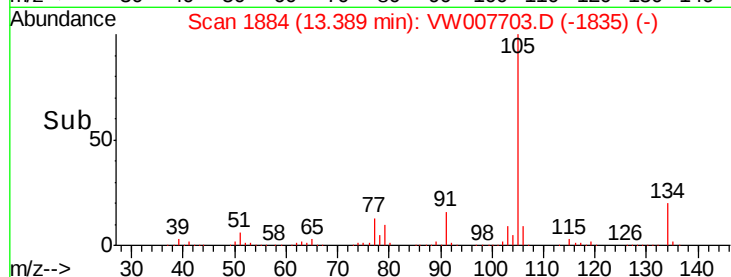
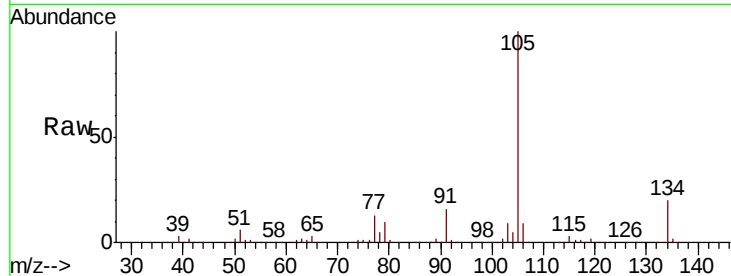
#85
 sec-Butylbenzene
 Concen: 103.349 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 429030
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4

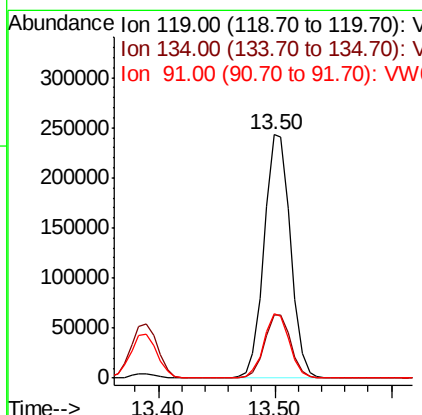
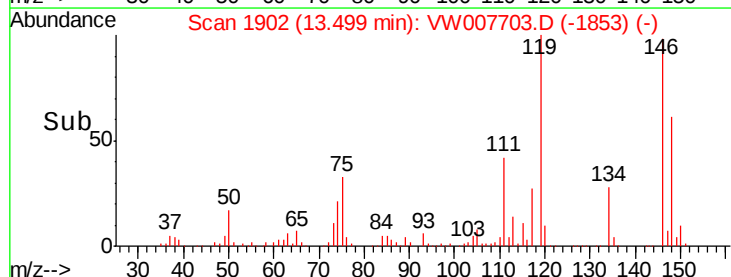
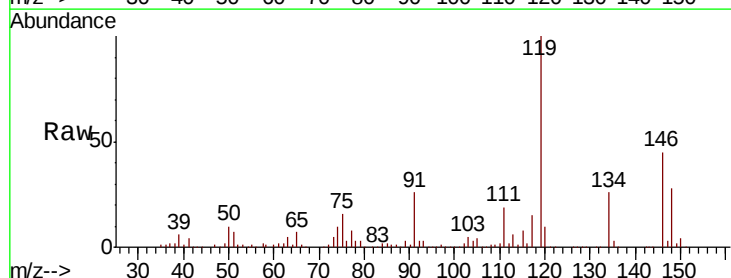
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#86
 p-Isopropyltoluene
 Concen: 101.621 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion:119 Resp: 383600
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 25.6 12.8 38.4





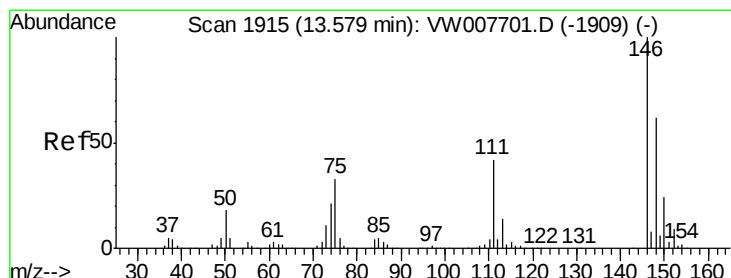
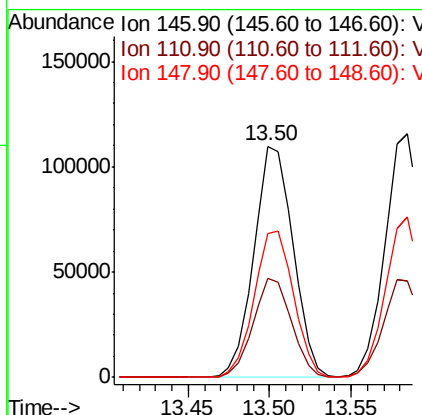
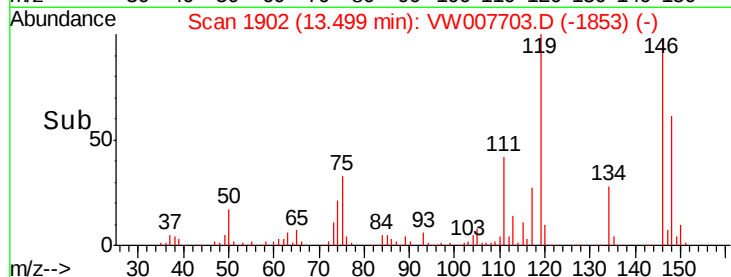
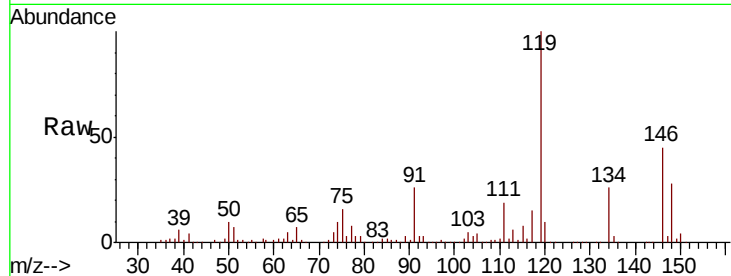
#87
 1,3-Dichlorobenzene
 Concen: 101.245 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183350		
111	41.8	21.1	63.4	
148	63.5	32.1	96.5	

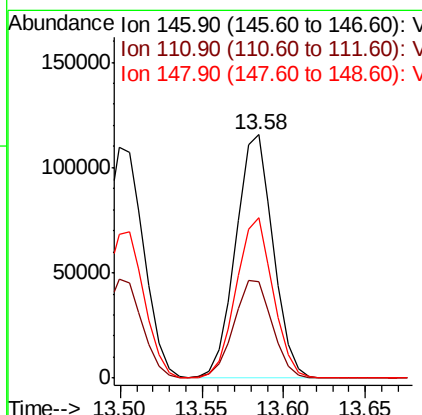
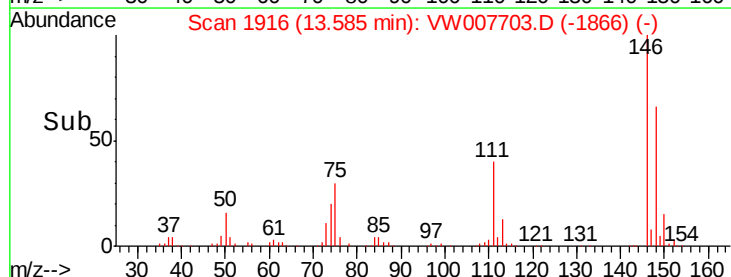
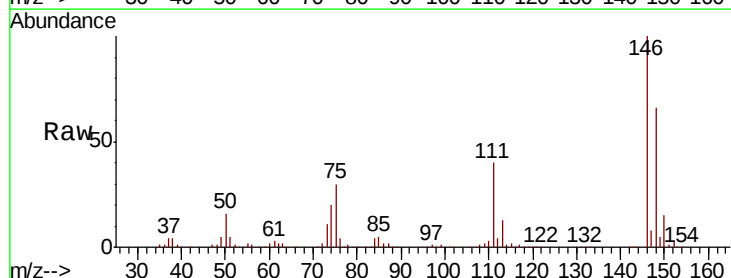
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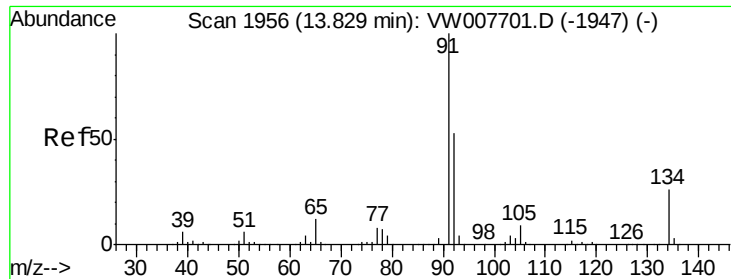
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#88
 1,4-Dichlorobenzene
 Concen: 101.923 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007703.D
 Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184631		
111	41.1	21.0	63.0	
148	64.8	31.8	95.4	





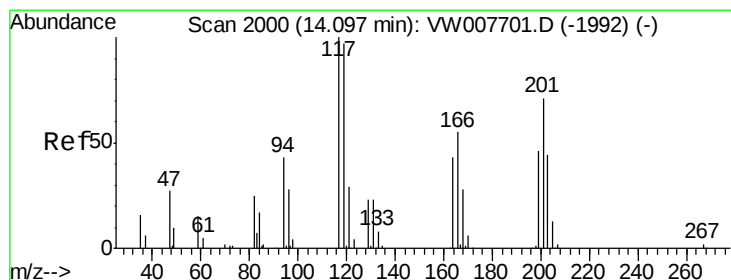
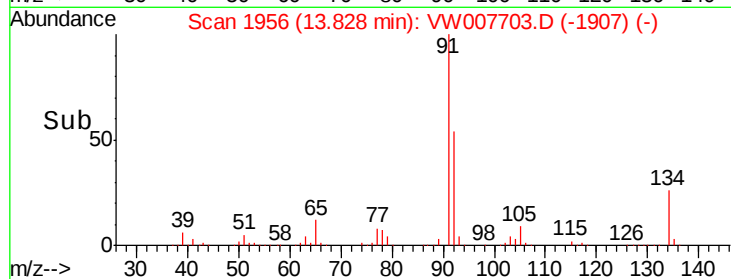
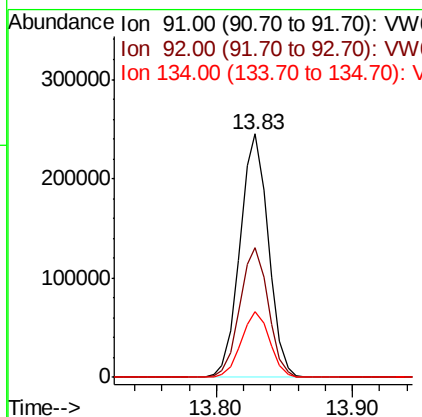
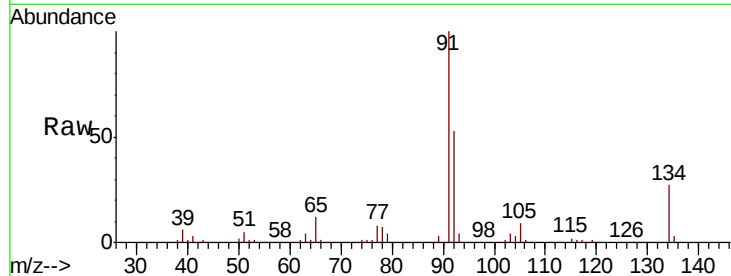
#89
n-Butylbenzene
Concen: 102.909 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	27.0	13.7	41.0

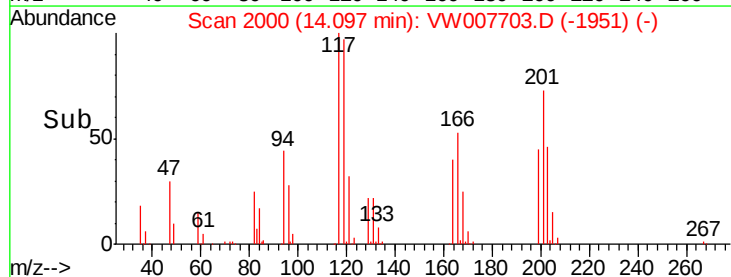
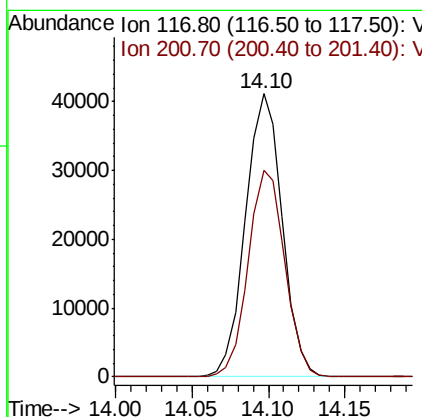
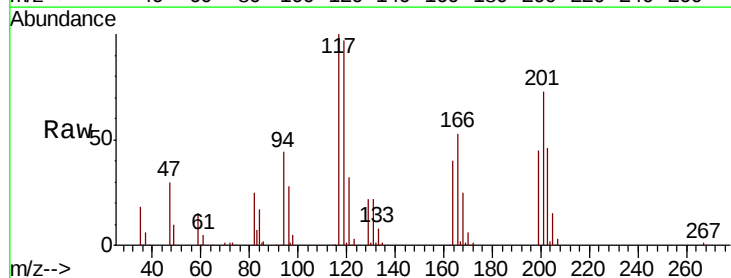
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#90
Hexachloroethane
Concen: 103.592 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	36.2	108.6





#91

1,2-Dichlorobenzene

Concen: 103.124 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Instrument :

MSVOA_W

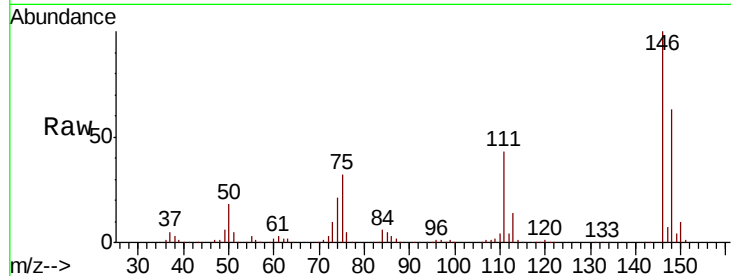
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	167206
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.7	65.1
148	63.4	32.1	96.5

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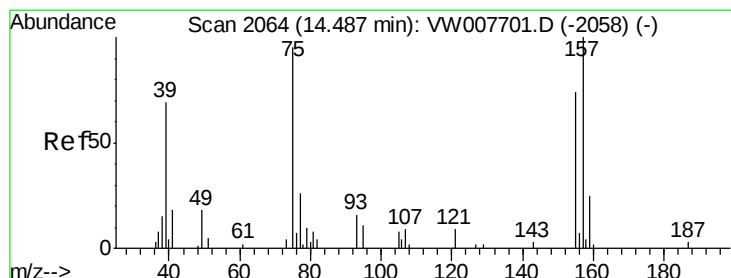
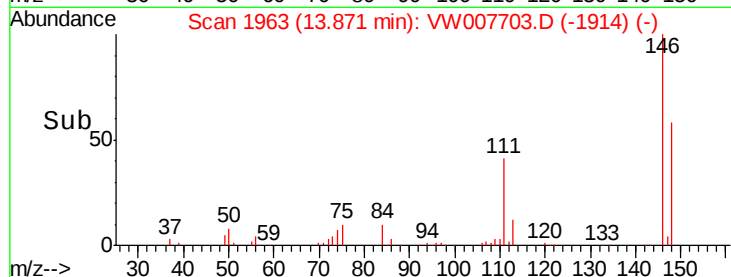
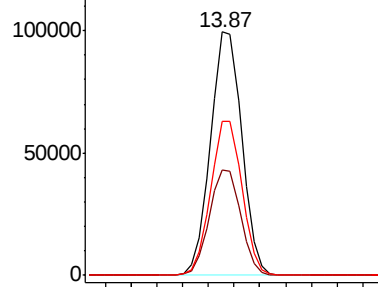


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 112.693 ug/l

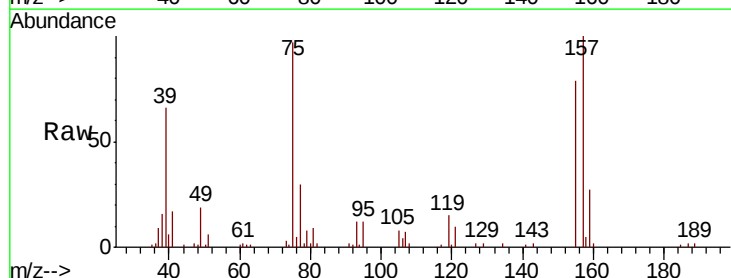
RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007703.D

Acq: 19 Dec 2018 15:45

Tgt Ion:	75	Resp:	13810
Ion Ratio	Lower	Upper	
75	100		
155	78.5	39.4	118.1
157	99.6	52.0	156.0

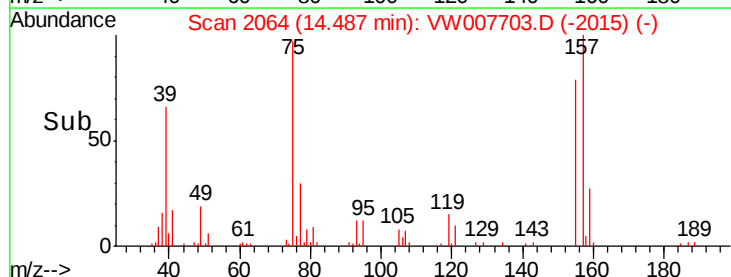
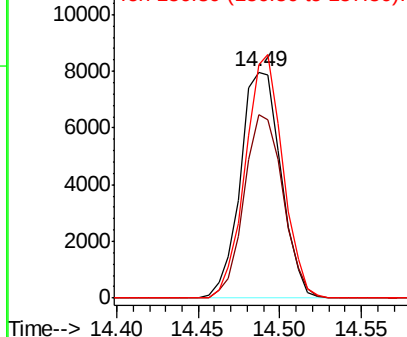


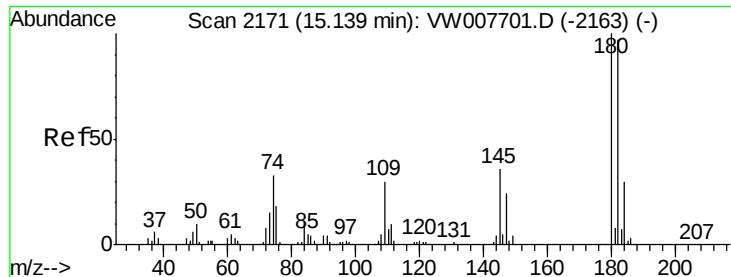
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





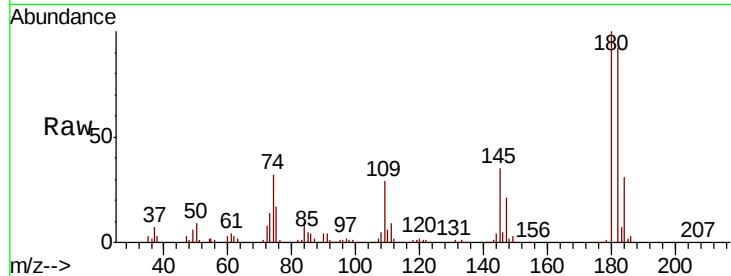
#93
1,2,4-Trichlorobenzene
Concen: 105.126 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118319		
182	94.1	47.5	142.6	
145	34.3	17.5	52.5	

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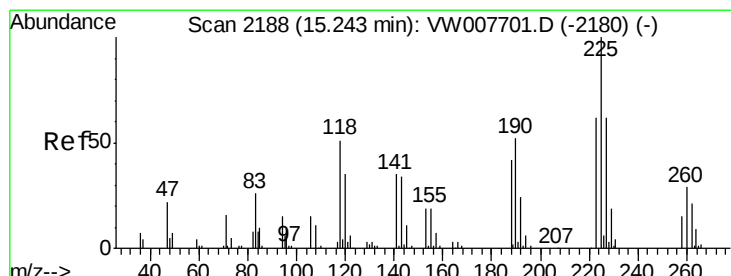
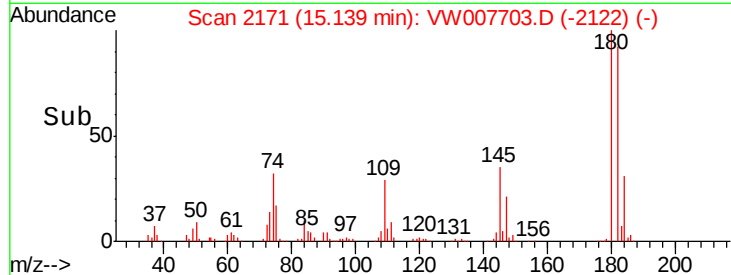
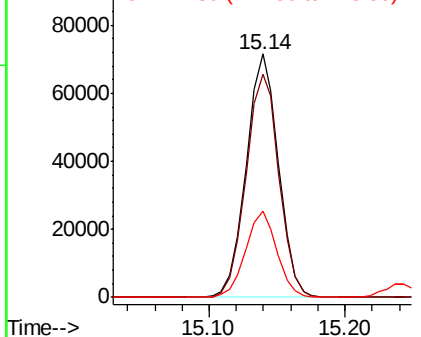


Abundance

Ion 179.80 (179.50 to 180.50): V

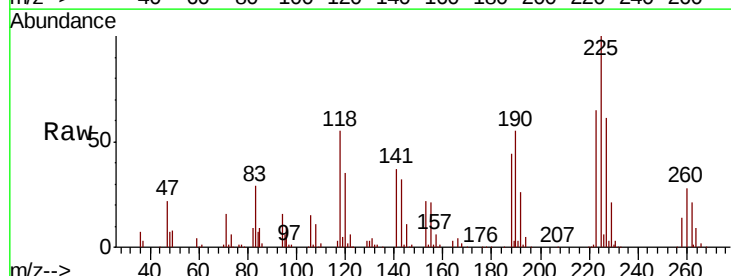
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 102.966 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61933		
223	63.8	31.6	94.8	
227	62.8	32.1	96.3	

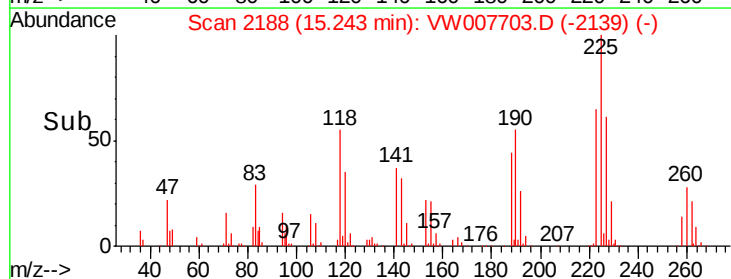
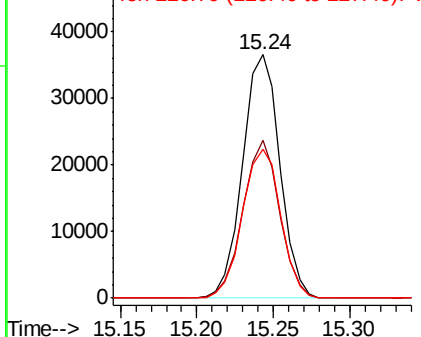


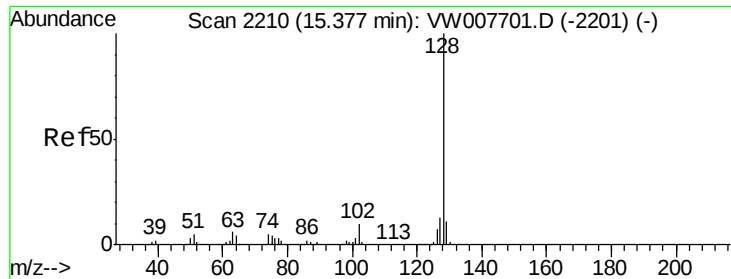
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





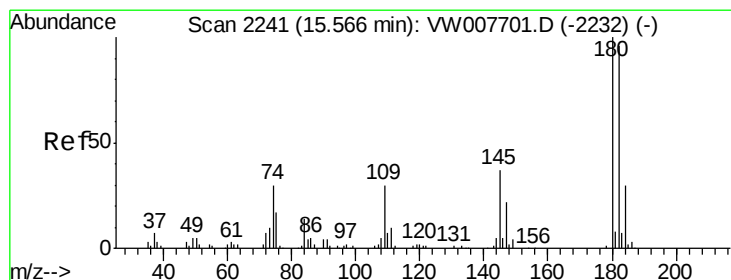
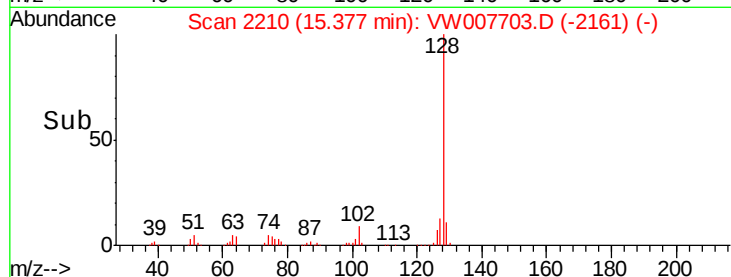
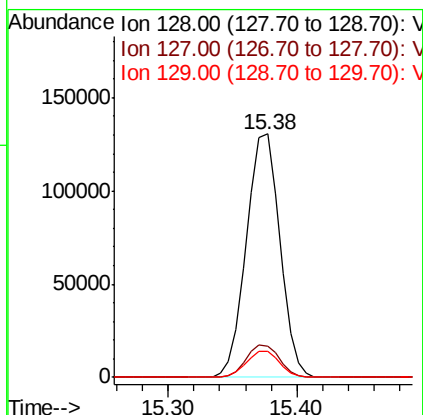
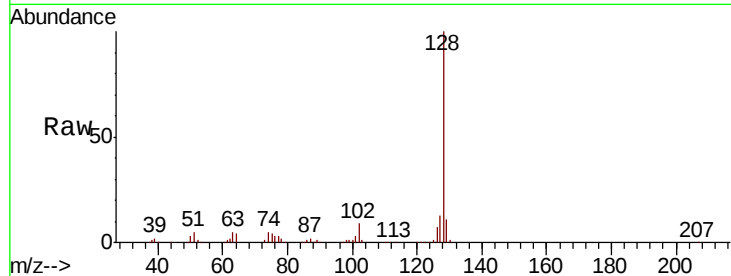
#95
Naphthalene
Concen: 113.015 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

apatel
12/20/2018 11:19:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 107.894 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007703.D
Acq: 19 Dec 2018 15:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.2
145	35.5	18.4	55.0

