

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082918\
 Data File : VW004999.D
 Acq On : 29 Aug 2018 13:02
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 8/30/2018 12:42:16 PM

Quant Time: Aug 30 01:35:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:20:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	505415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	684380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	715926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	402410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	69158	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	
35) Dibromofluoromethane	7.89	113	68029	20.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.12%	
50) Toluene-d8	10.33	98	380851	20.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.90%	
62) 4-Bromofluorobenzene	12.62	95	138438	20.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	97453	22.319	ug/l	93
3) Chloromethane	2.22	50	132827	21.420	ug/l	99
4) Vinyl Chloride	2.36	62	130460	21.077	ug/l	99
5) Bromomethane	2.78	94	81197	20.068	ug/l	100
6) Chloroethane	2.92	64	75553	20.642	ug/l	95
7) Trichlorofluoromethane	3.26	101	128869	20.136	ug/l	99
8) Diethyl Ether	3.69	74	36116	19.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	80569	20.396	ug/l	99
10) Methyl Iodide	4.28	142	107661	19.927	ug/l	99
11) Tert butyl alcohol	5.21	59	23257	112.700	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	72896	19.752	ug/l	99
13) Acrolein	3.91	56	26753	90.749	ug/l	98
14) Allyl chloride	4.68	41	110068	19.368	ug/l	99
15) Acrylonitrile	5.39	53	88603	95.476	ug/l	98
16) Acetone	4.15	43	70309	90.180	ug/l	98
17) Carbon Disulfide	4.39	76	311072	20.053	ug/l	99
18) Methyl Acetate	4.68	43	34076	18.044	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	154962	19.539	ug/l	98
20) Methylene Chloride	4.92	84	126845	19.308	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	81514	20.341	ug/l	98
22) Diisopropyl ether	6.32	45	226831	19.553	ug/l	99
23) Vinyl Acetate	6.27	43	582584	98.223	ug/l	99
24) 1,1-Dichloroethane	6.23	63	139401	19.860	ug/l	98
25) 2-Butanone	7.18	43	116906	96.156	ug/l	97
26) 2,2-Dichloropropane	7.17	77	125765	20.414	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	86813	19.914	ug/l	99
28) Bromochloromethane	7.52	49	62131	20.130	ug/l	100
29) Tetrahydrofuran	7.54	42	58160	94.696	ug/l	99
30) Chloroform	7.68	83	138372	20.042	ug/l	100
31) Cyclohexane	7.96	56	147609	19.842	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	130902	20.606	ug/l	98
36) 1,1-Dichloropropene	8.09	75	119477	20.604	ug/l	98
37) Ethyl Acetate	7.26	43	43643	20.880	ug/l	99
38) Carbon Tetrachloride	8.07	117	117028	20.853	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	155734	19.482	ug/l	97
40) Benzene	8.33	78	384441	20.712	ug/l	98
41) Methacrylonitrile	7.49	41	23604	19.379	ug/l	98
42) 1,2-Dichloroethane	8.40	62	86034	20.830	ug/l	99
43) Isopropyl Acetate	8.43	43	79761	19.178	ug/l	99
44) Trichloroethene	9.10	130	97327	20.529	ug/l	100
45) 1,2-Dichloropropane	9.37	63	86718	20.420	ug/l	98
46) Dibromomethane	9.46	93	41805	20.798	ug/l	98
47) Bromodichloromethane	9.65	83	102380	20.614	ug/l	99
48) Methyl methacrylate	9.45	41	40676	18.420	ug/l	92
49) 1,4-Dioxane	9.48	88	16209	388.597	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	301207	96.698	ug/l	99
52) Toluene	10.40	92	286932	20.836	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	104317	19.667	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	126207	20.404	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66016	20.066	ug/l	95
56) Ethyl methacrylate	10.65	69	83580	19.368	ug/l	99
57) 1,3-Dichloropropane	10.94	76	108883	20.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	180354	97.008	ug/l	99
59) 2-Hexanone	10.98	43	216574	96.028	ug/l	98
60) Dibromochloromethane	11.13	129	72186	19.992	ug/l	99
61) 1,2-Dibromoethane	11.24	107	60897	19.744	ug/l	100
64) Tetrachloroethene	10.87	164	106025	20.312	ug/l	98
65) Chlorobenzene	11.66	112	318807	20.268	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85013	19.678	ug/l	98
67) Ethyl Benzene	11.74	91	539357	20.026	ug/l	100
68) m/p-Xylenes	11.85	106	449849	40.951	ug/l	98
69) o-Xylene	12.17	106	203437	20.267	ug/l	100
70) Styrene	12.19	104	337564	20.273	ug/l	99
71) Bromoform	12.35	173	45412	18.905	ug/l #	99
73) Isopropylbenzene	12.47	105	544392	20.294	ug/l	99
74) N-amyl acetate	12.28	43	95258	18.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	78282	19.274	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64560m	12.852	ug/l	
77) Bromobenzene	12.75	156	132849	20.184	ug/l	99
78) n-propylbenzene	12.81	91	678687	20.511	ug/l	99
79) 2-Chlorotoluene	12.90	91	389798	20.396	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	490149	20.681	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	23177	18.379	ug/l	91
82) 4-Chlorotoluene	12.99	91	422659	20.757	ug/l	98
83) tert-Butylbenzene	13.21	119	397605	19.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	492182	20.467	ug/l	100
85) sec-Butylbenzene	13.39	105	593971	20.327	ug/l	100
86) p-Isopropyltoluene	13.51	119	532974	20.359	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	285091	20.432	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	279911	20.253	ug/l	99
89) n-Butylbenzene	13.83	91	485556	19.758	ug/l	99
90) Hexachloroethane	14.10	117	80937	19.668	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	247551	20.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13001	18.533	ug/l	96

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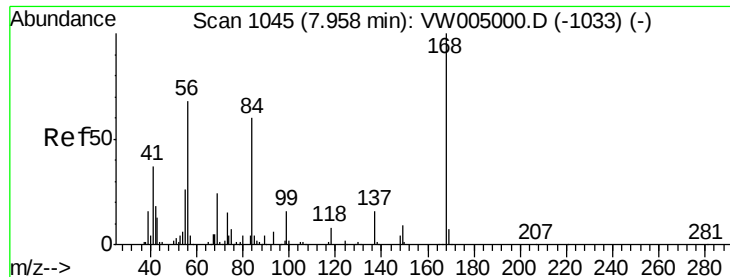
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Quant Title : SW846 8260
QLast Update : Thu Aug 30 01:20:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	164418	19.108	ug/l	99
94) Hexachlorobutadiene	15.25	225	106849	19.837	ug/l	98
95) Naphthalene	15.38	128	253751	17.975	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	144282	18.980	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 505415

Ion Ratio Lower Upper

168 100

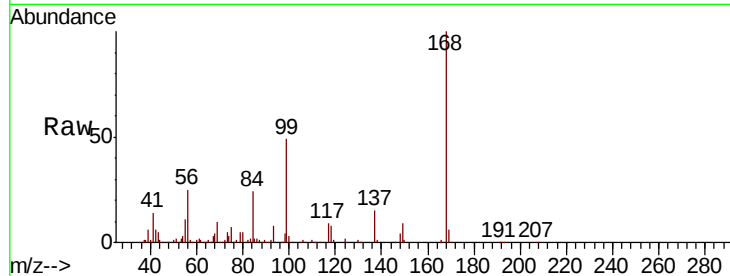
99 48.7 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

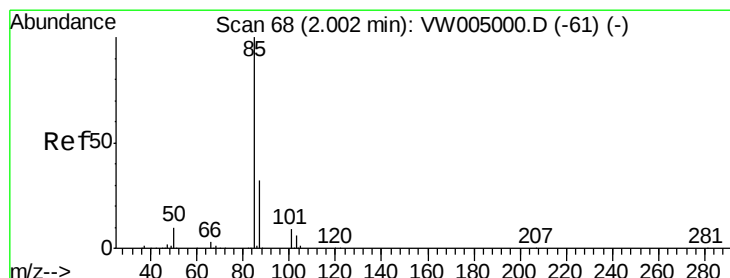
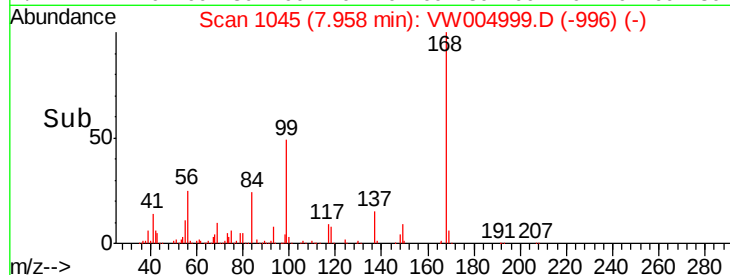
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 22.319 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004999.D

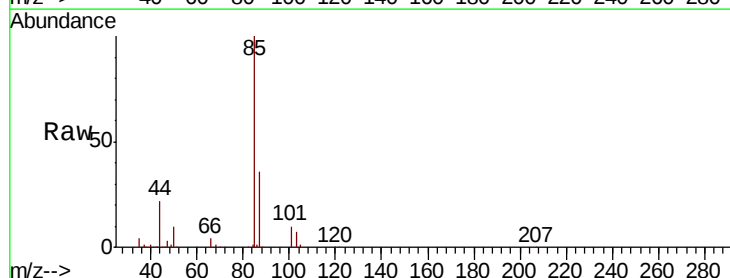
Acq: 29 Aug 2018 13:02

Tgt Ion: 85 Resp: 97453

Ion Ratio Lower Upper

85 100

87 35.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

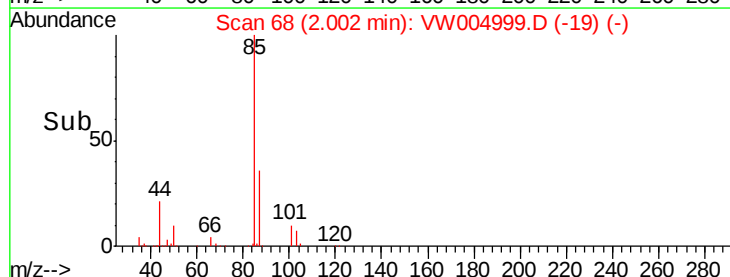
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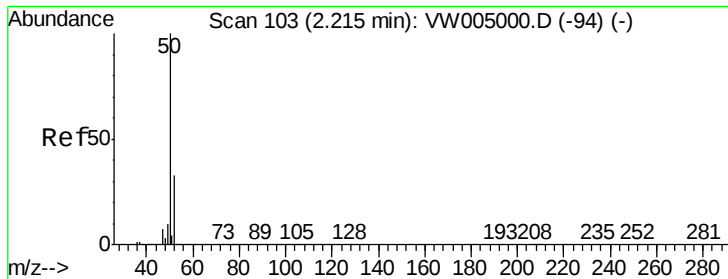
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20000

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Time-->





#3

Chloromethane

Concen: 21.420 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 132827

Ion Ratio Lower Upper

50 100

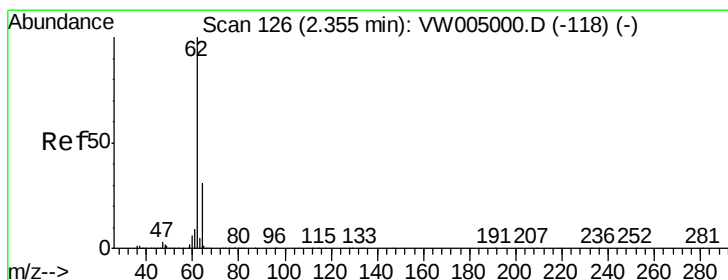
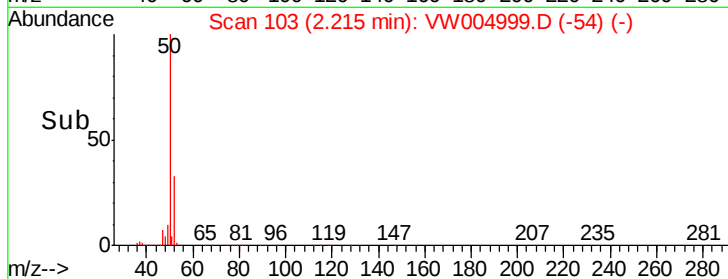
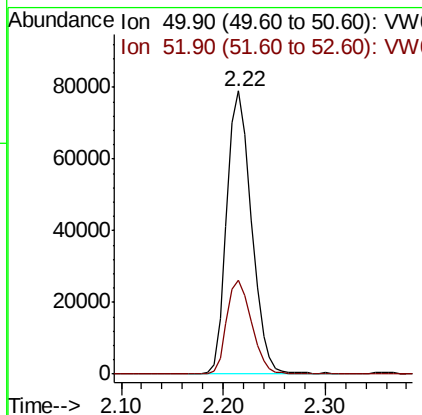
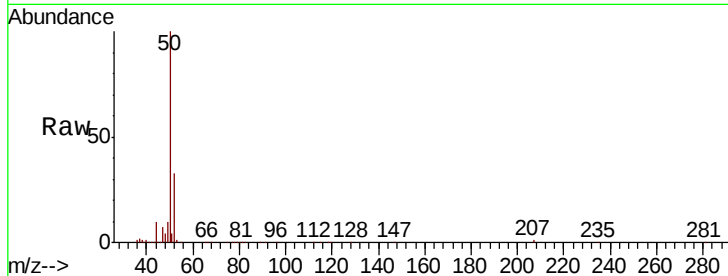
52 33.2 26.1 39.1

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#4

Vinyl Chloride

Concen: 21.077 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004999.D

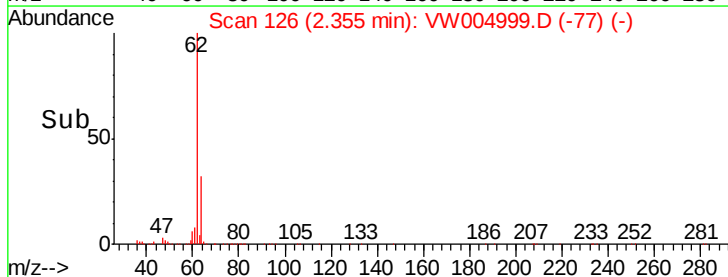
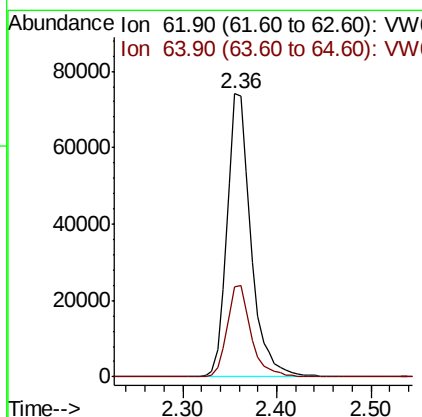
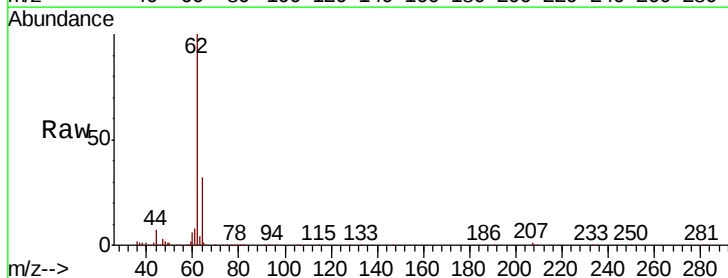
Acq: 29 Aug 2018 13:02

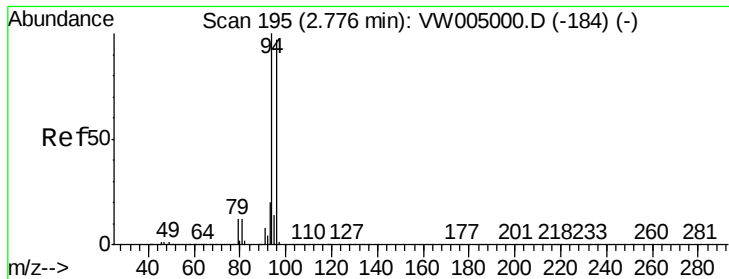
Tgt Ion: 62 Resp: 130460

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 20.068 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tot Ion: 94 Resp: 81197

Ion Ratio Lower Upper

94 100

96 96.5 77.5 116.3

Instrument :

MSVOA_W

ClientSampleId :

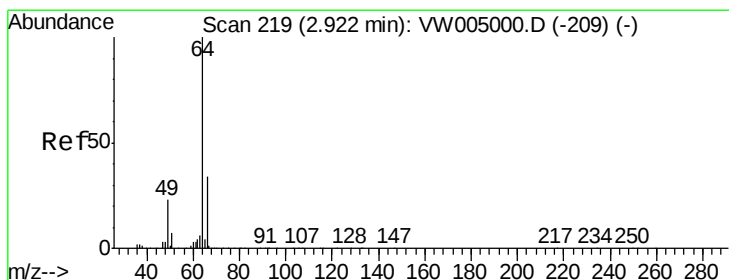
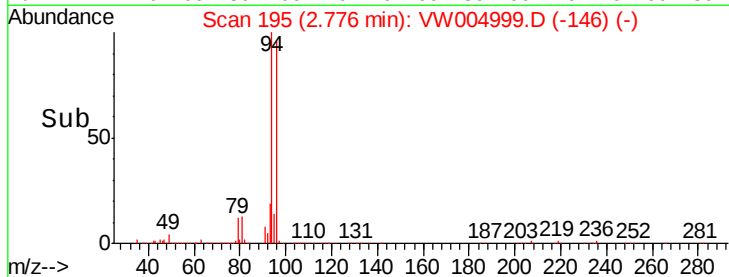
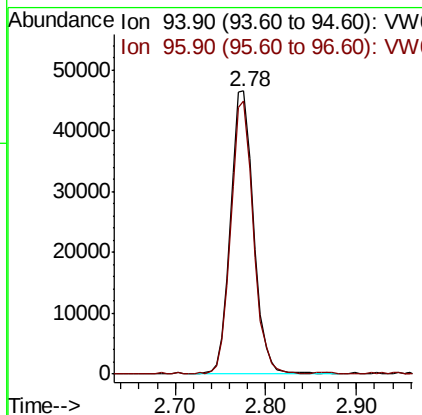
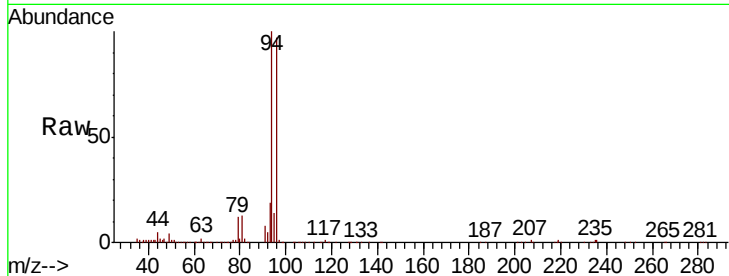
VSTDIC020

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#6

Chloroethane

Concen: 20.642 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW004999.D

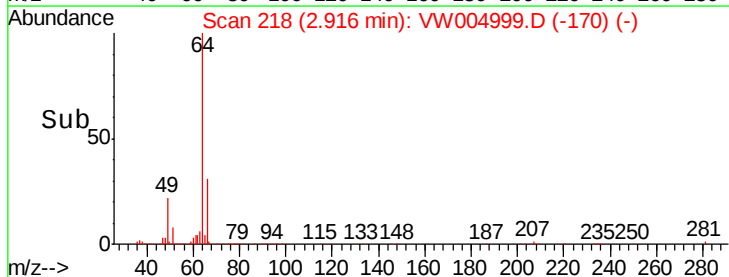
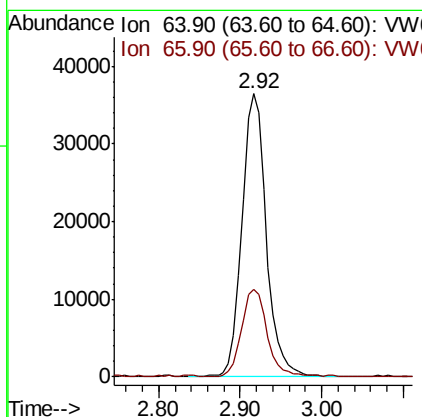
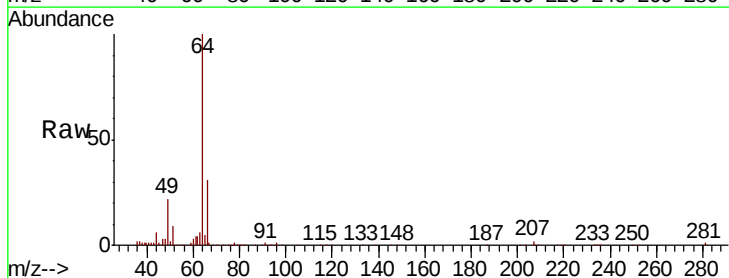
Acq: 29 Aug 2018 13:02

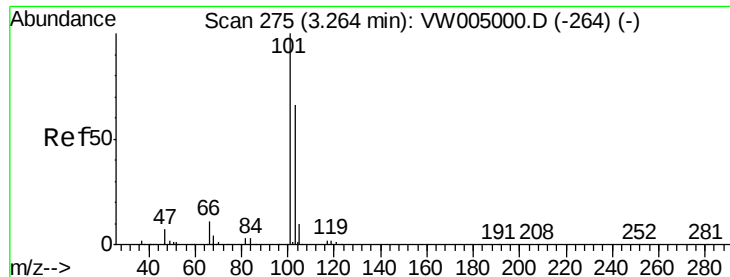
Tgt Ion: 64 Resp: 75553

Ion Ratio Lower Upper

64 100

66 30.9 26.8 40.2





#7

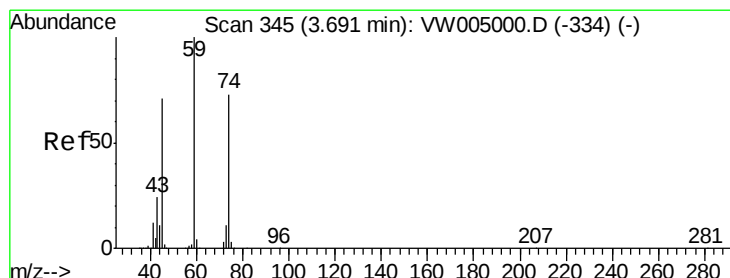
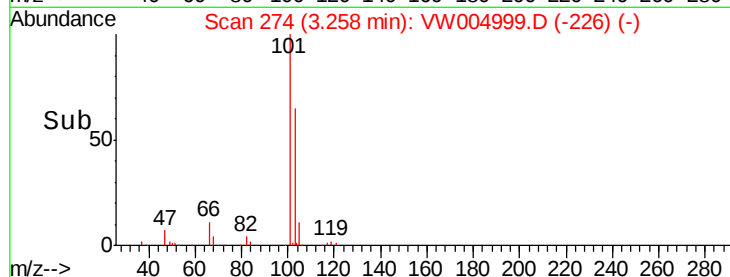
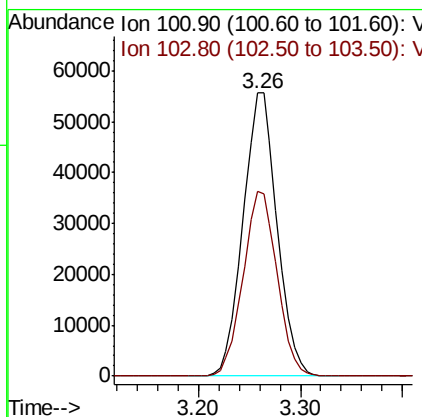
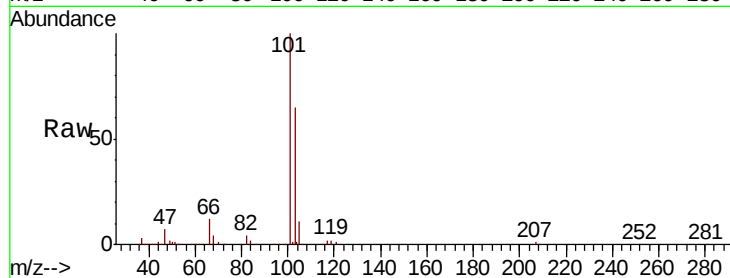
Trichlorofluoromethane
Concen: 20.136 ug/l
RT: 3.26 min Scan# 274
Delta R.T. -0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.6	78.8

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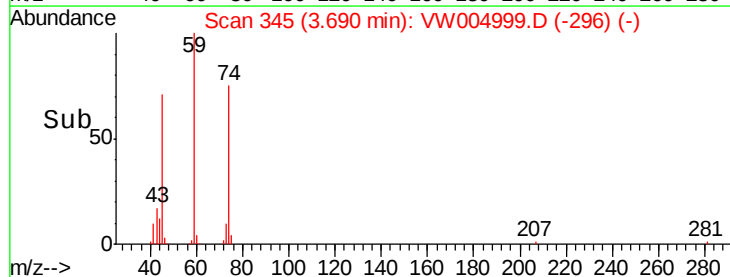
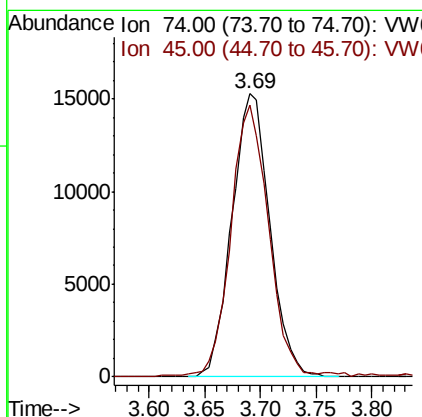
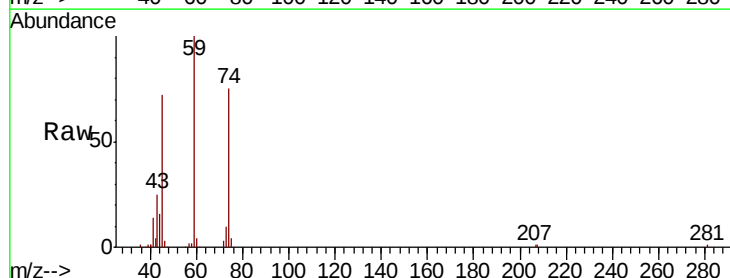
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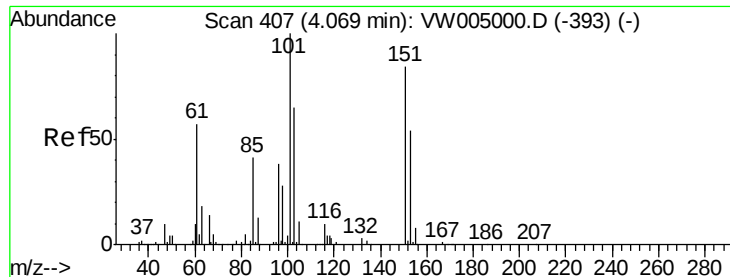


#8

Diethyl Ether
Concen: 19.846 ug/l
RT: 3.69 min Scan# 345
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.396 ug/l

RT: 4.07 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

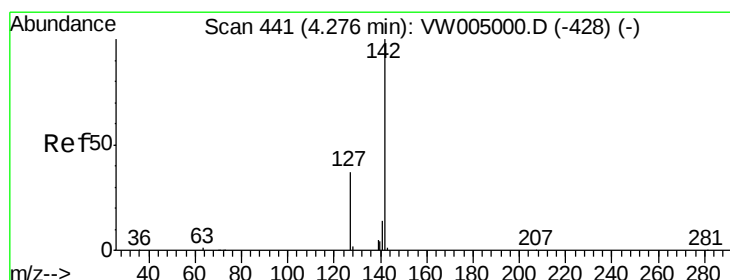
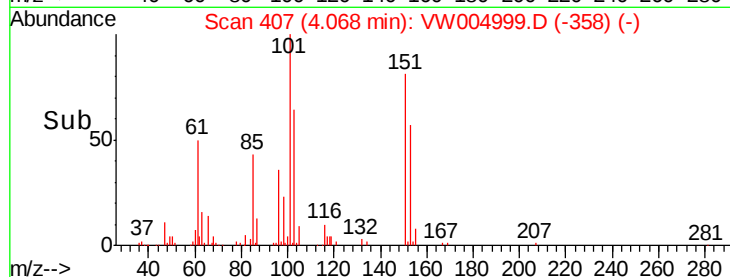
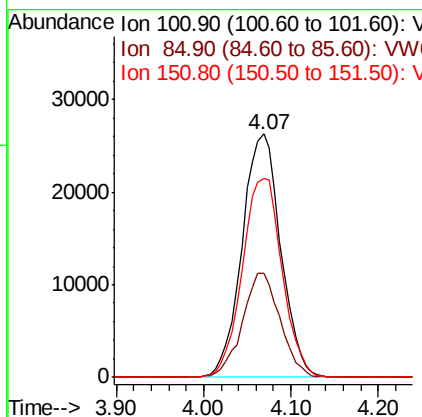
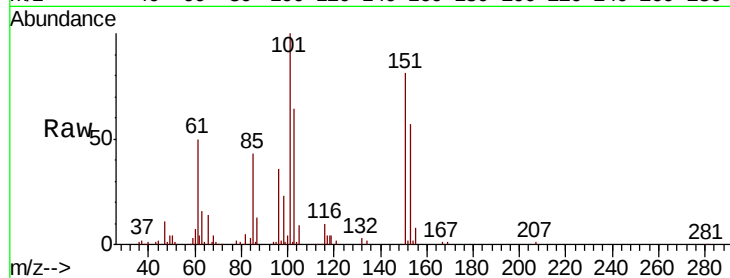
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	80569
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.4	50.0
151	84.3	67.0	100.4

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#10

Methyl Iodide

Concen: 19.927 ug/l

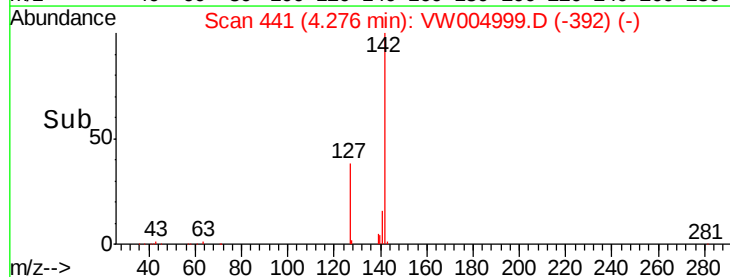
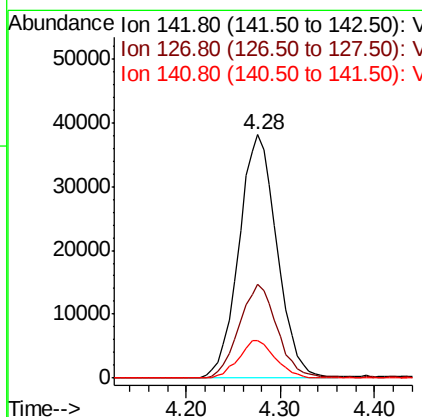
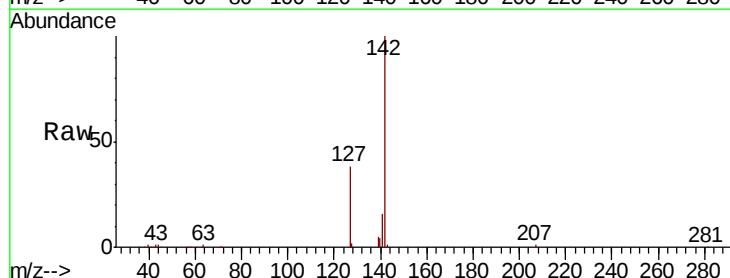
RT: 4.28 min Scan# 441

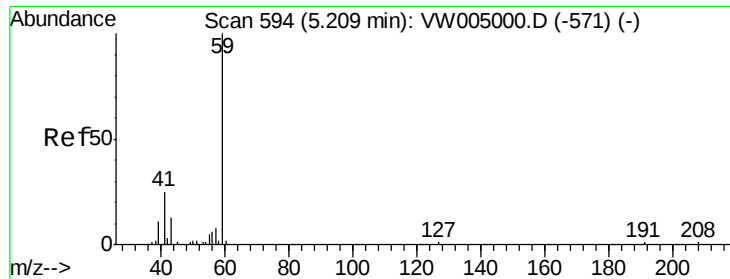
Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tgt Ion:	142	Resp:	107661
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.1	46.7
141	15.0	11.4	17.2





#11

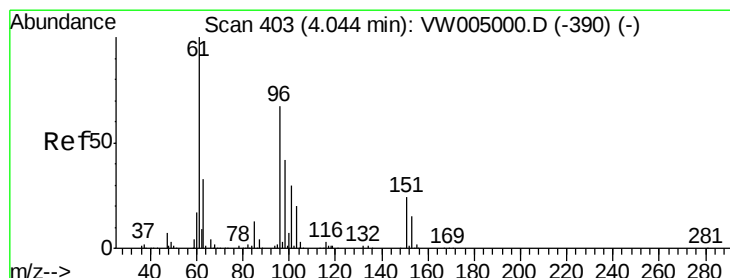
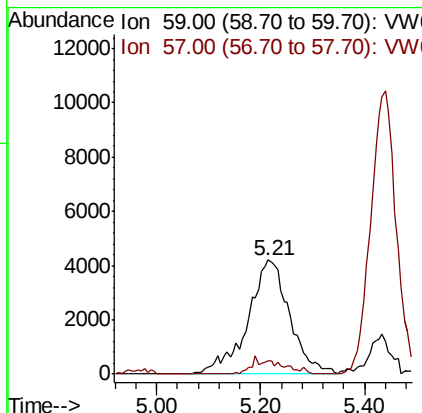
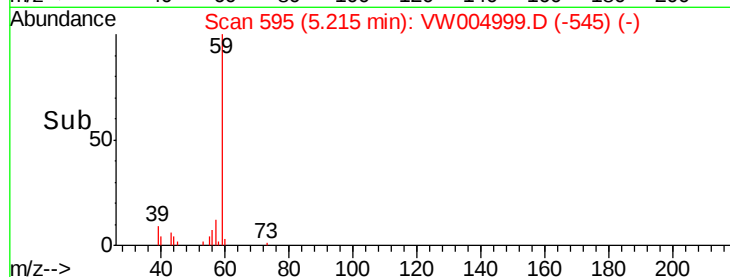
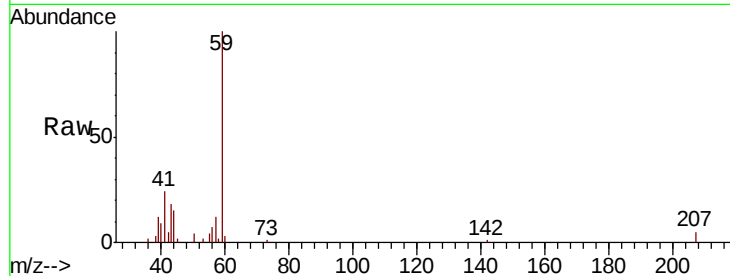
Tert butyl alcohol
 Concen: 112.700 ug/l
 RT: 5.21 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

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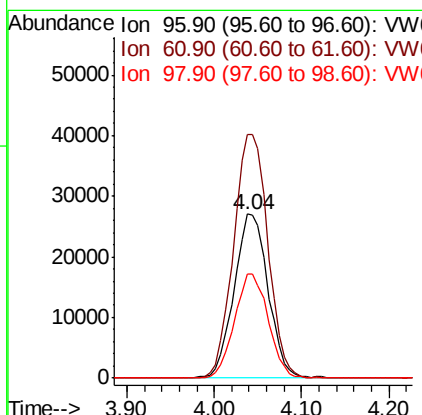
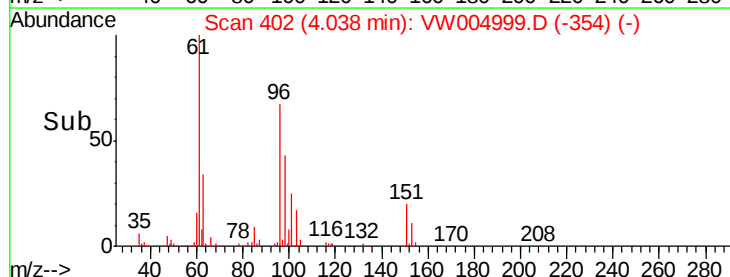
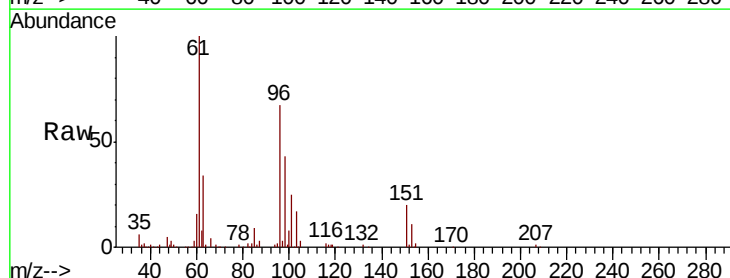
apatel
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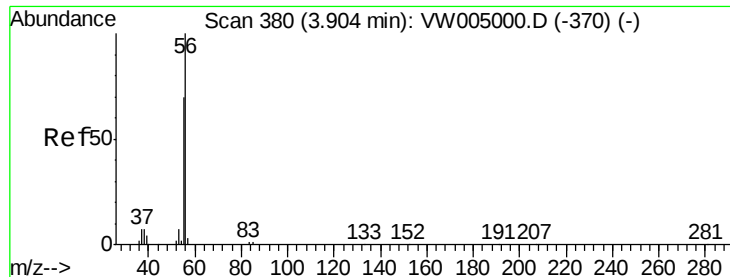


#12

1,1-Dichloroethene
 Concen: 19.752 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.4	119.5	179.3
98	63.3	50.4	75.6





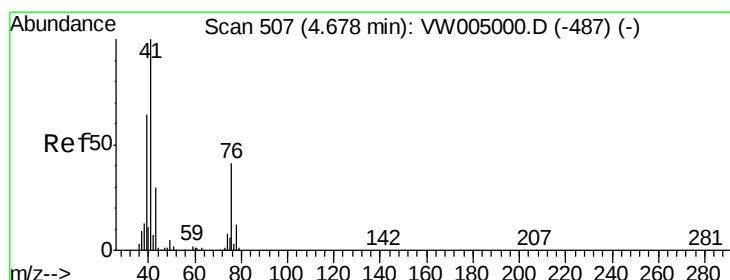
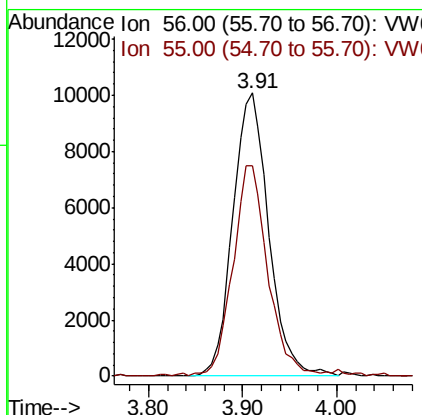
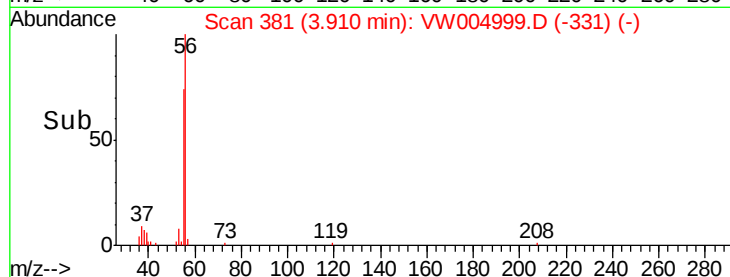
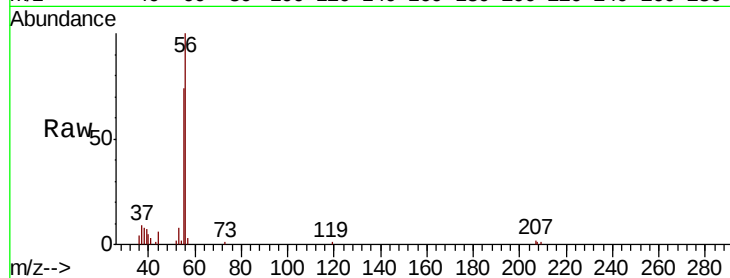
#13
Acrolein
Concen: 90.749 ug/l
RT: 3.91 min Scan# 381
Delta R.T. 0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.4	84.6

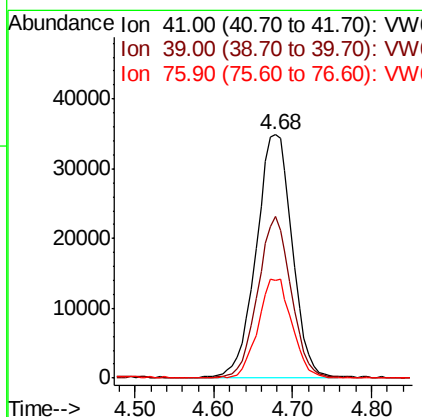
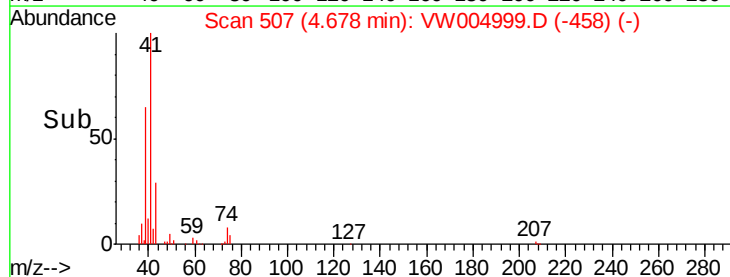
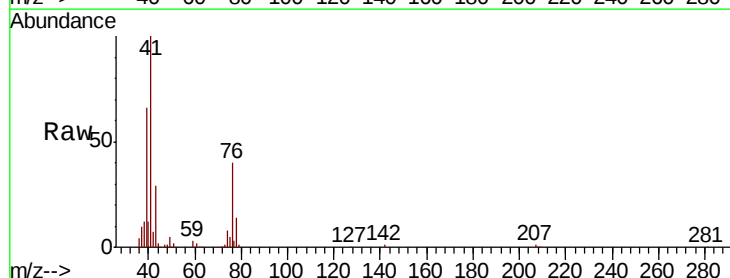
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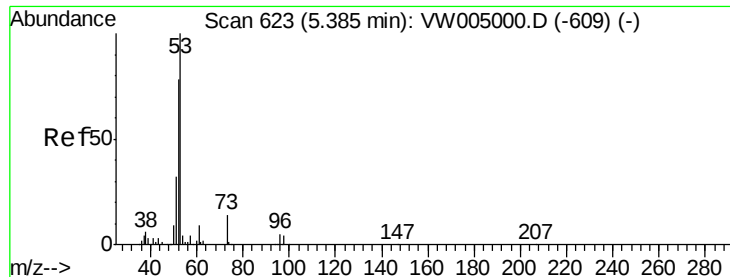
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#14
Allyl chloride
Concen: 19.368 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.1	49.4	74.2
76	38.5	31.4	47.2





#15

Acrylonitrile

Concen: 95.476 ug/l

RT: 5.39 min Scan# 623

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

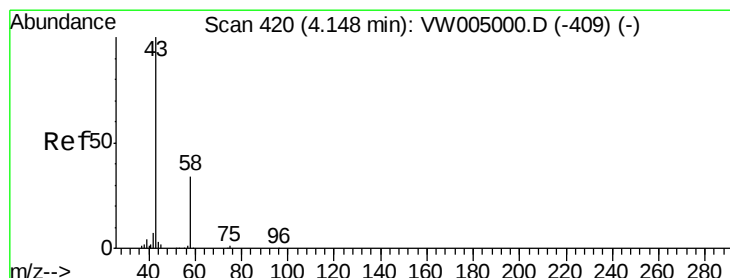
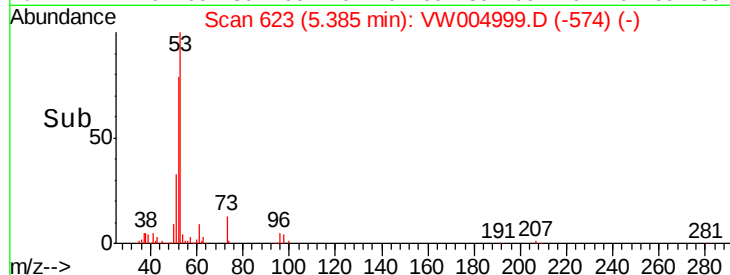
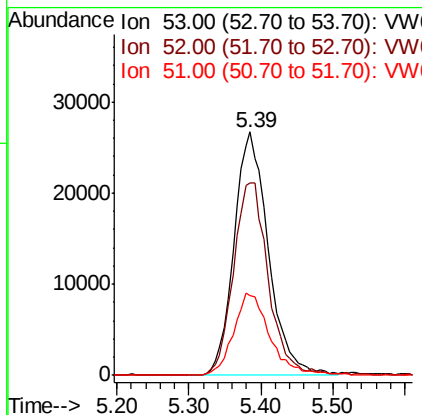
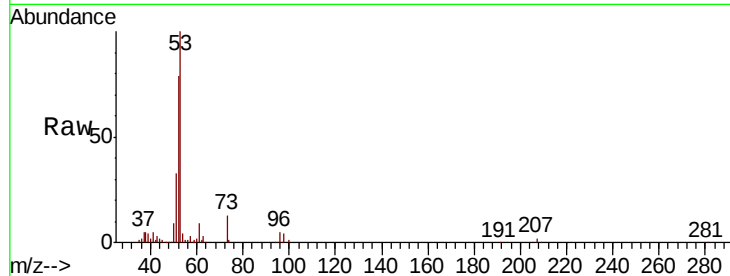
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	88603
Ion	Ratio	Lower	Upper
53	100		
52	79.2	65.0	97.6
51	35.8	28.6	43.0

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#16

Acetone

Concen: 90.180 ug/l

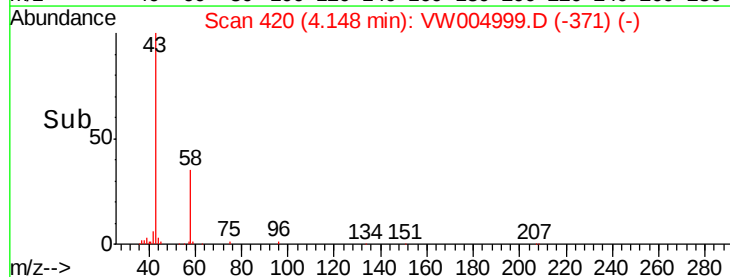
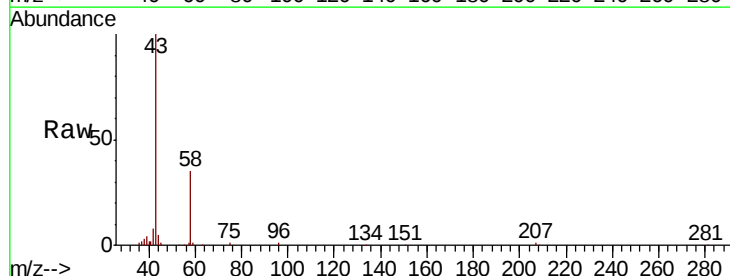
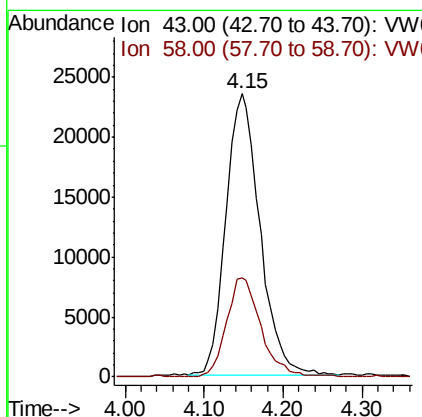
RT: 4.15 min Scan# 420

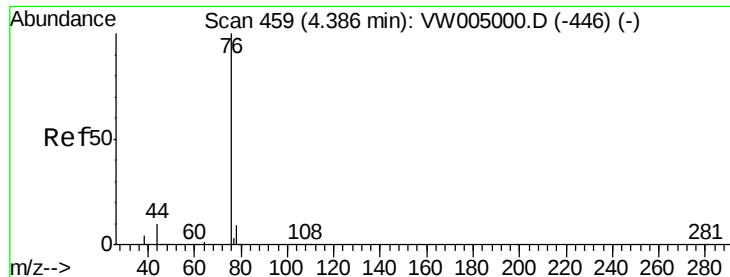
Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tgt Ion:	43	Resp:	70309
Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.2	40.8





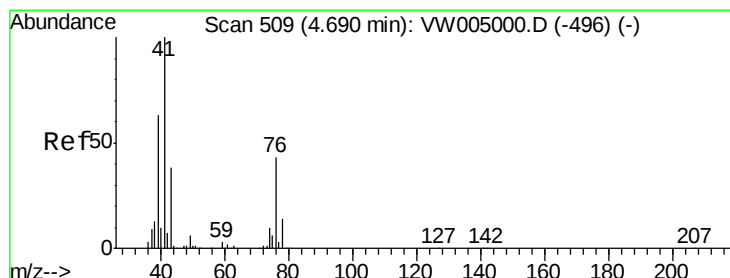
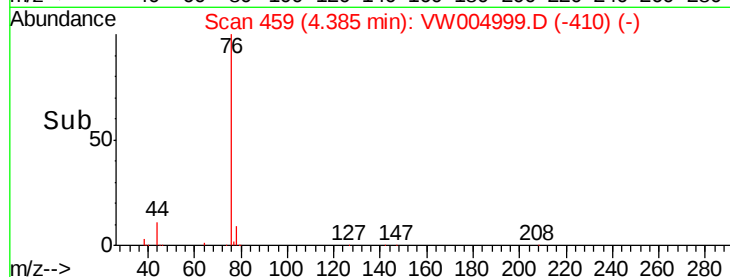
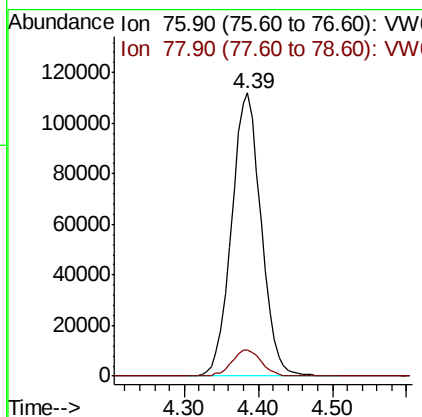
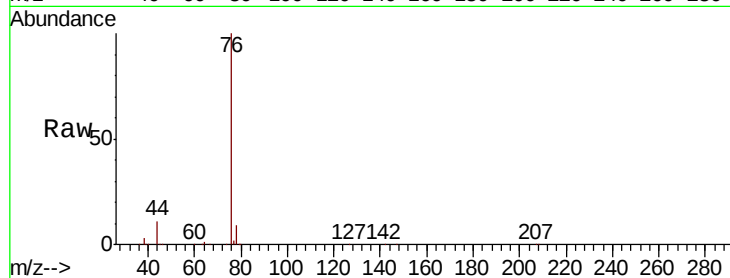
#17
Carbon Disulfide
Concen: 20.053 ug/l
RT: 4.39 min Scan# 459
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

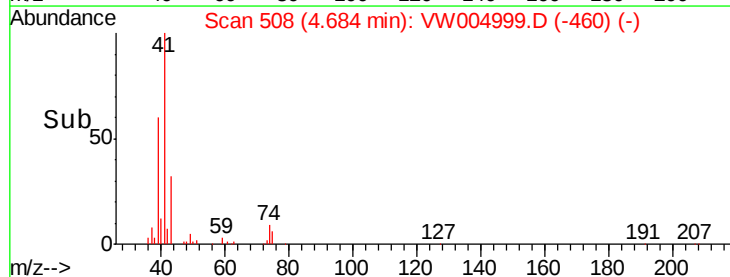
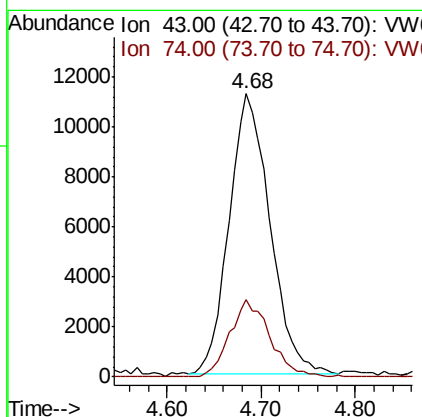
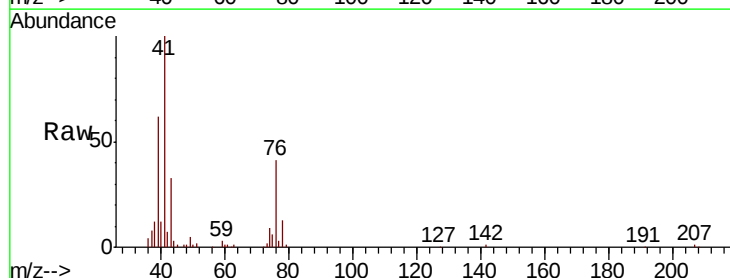
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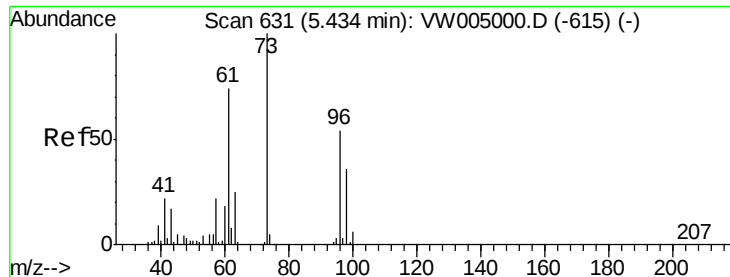
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#18
Methyl Acetate
Concen: 18.044 ug/l
RT: 4.68 min Scan# 508
Delta R.T. -0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.3	30.5





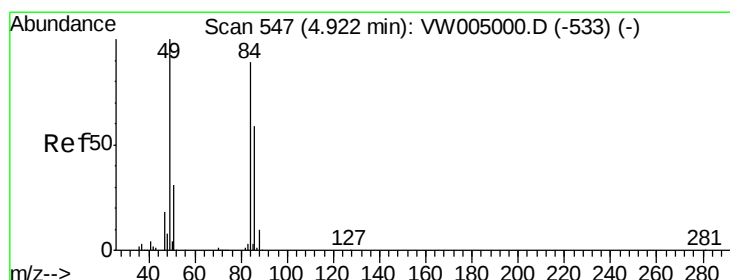
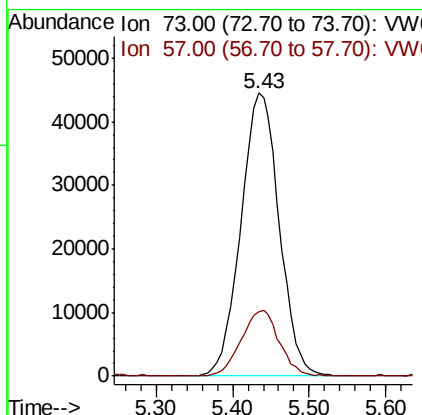
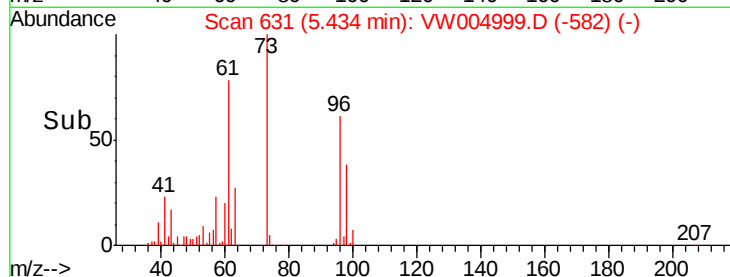
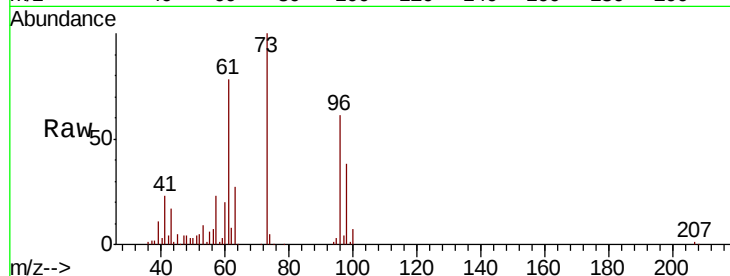
#19
Methvl tert-butvl Ether
Concen: 19.539 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 154962
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4

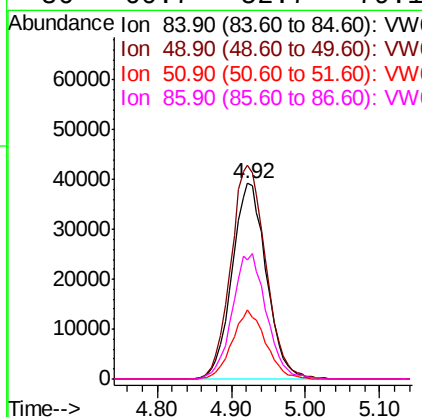
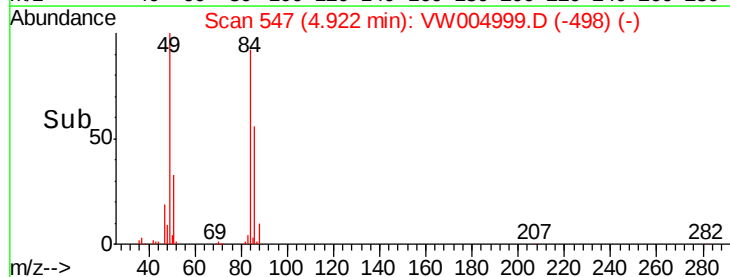
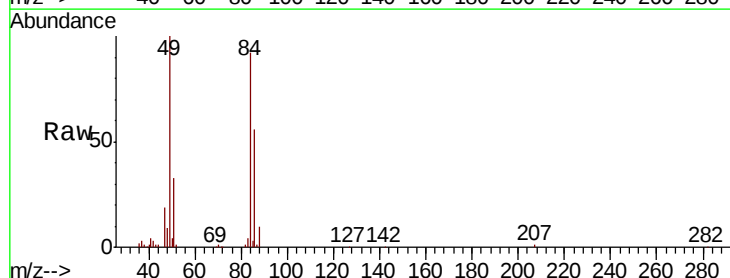
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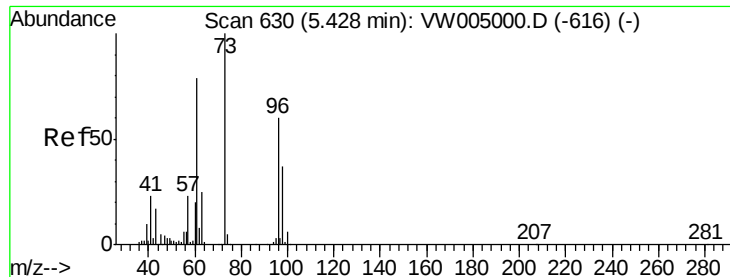
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#20
Methylene Chloride
Concen: 19.308 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 84 Resp: 126845
Ion Ratio Lower Upper
84 100
49 109.1 89.7 134.5
51 35.5 27.5 41.3
86 60.7 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.341 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

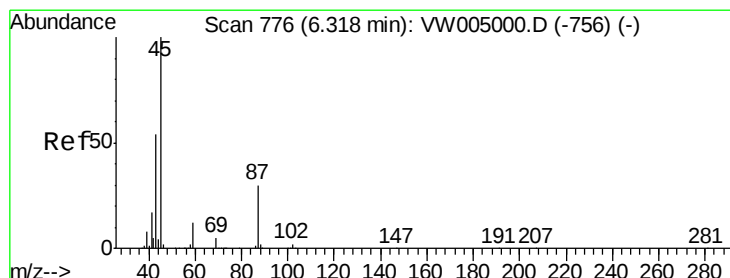
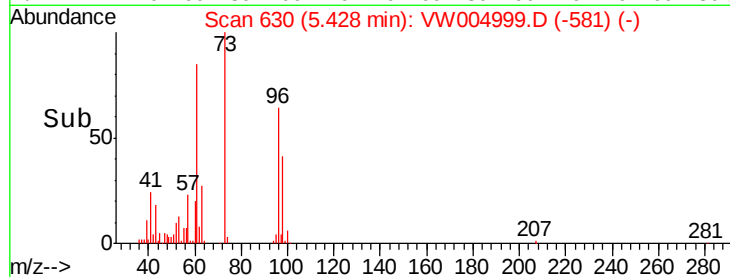
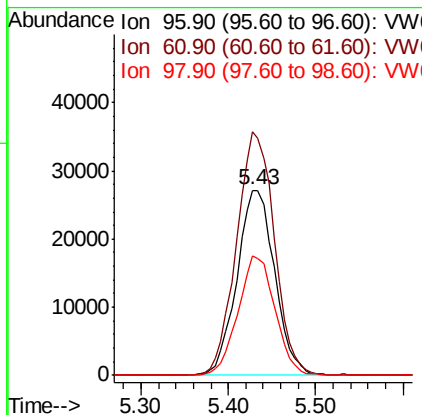
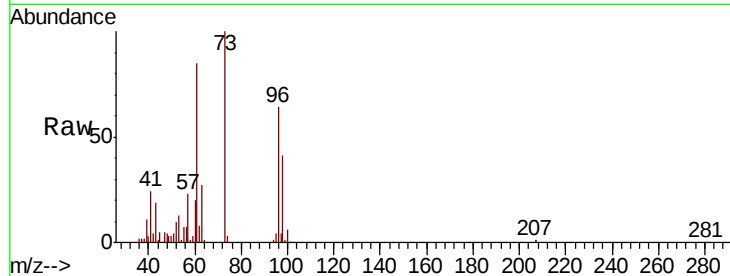
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	81514
Ion	Ratio	Lower	Upper
96	100		
61	131.4	106.2	159.2
98	64.3	49.5	74.3

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#22

Diisopropyl ether

Concen: 19.553 ug/l

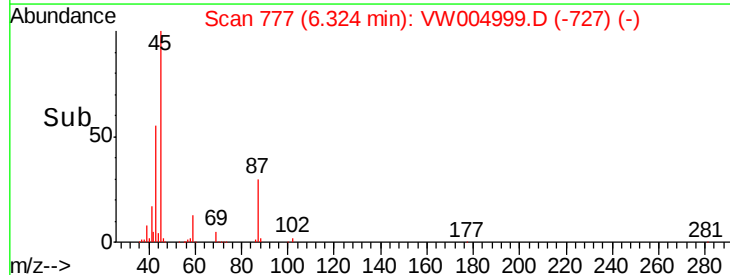
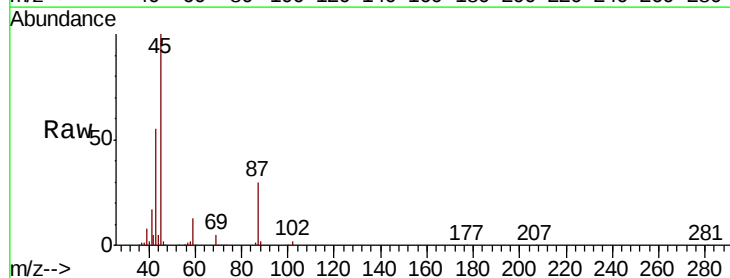
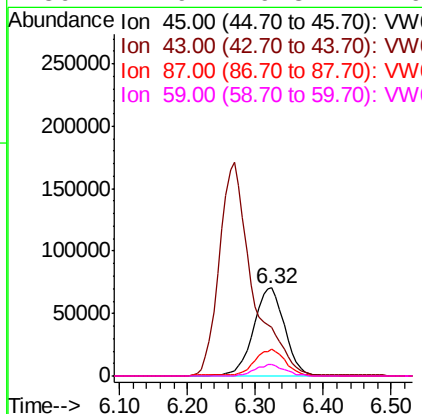
RT: 6.32 min Scan# 777

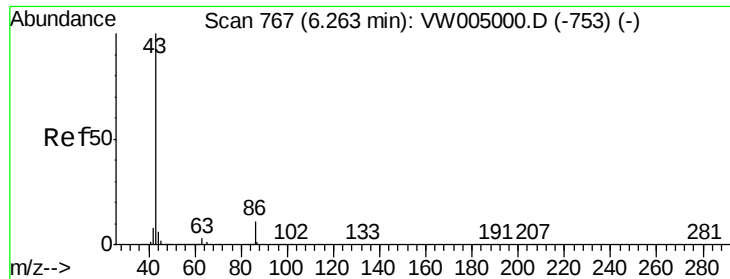
Delta R.T. 0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tgt Ion:	45	Resp:	226831
Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.5	65.3
87	30.0	23.8	35.8
59	12.9	9.8	14.6





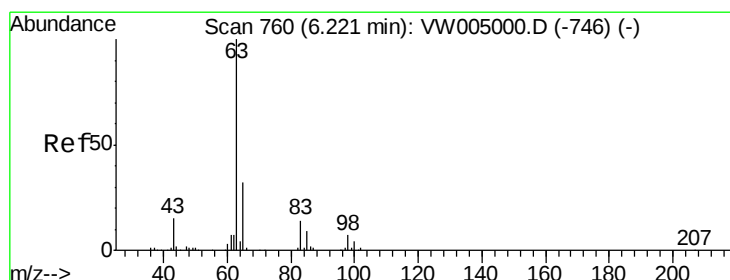
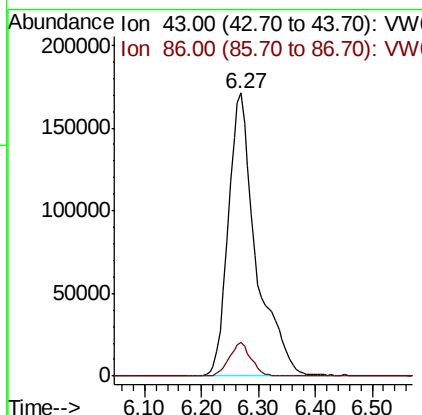
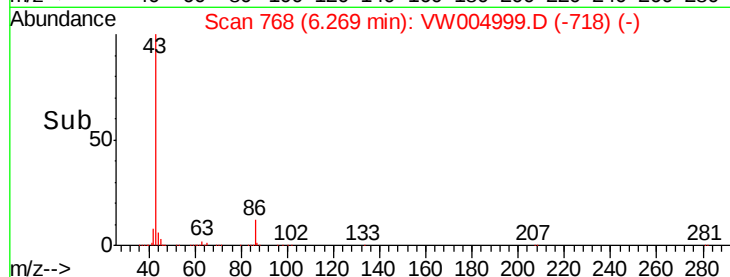
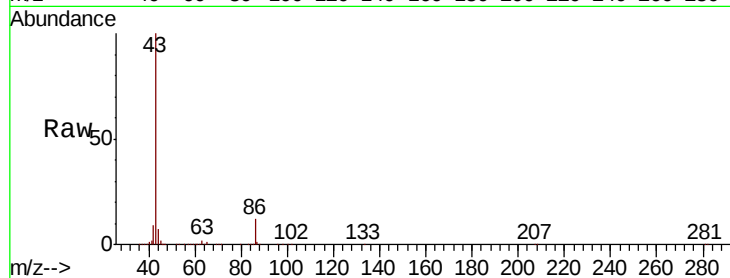
#23
 Vinyl Acetate
 Concen: 98.223 ug/l
 RT: 6.27 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.9	9.0	13.6

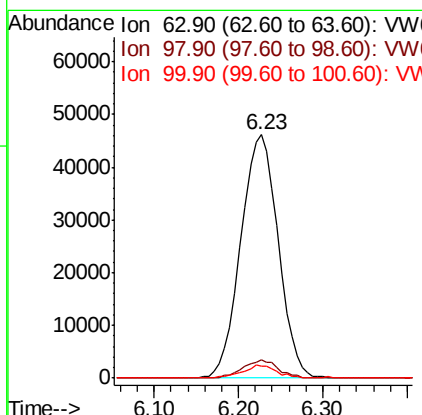
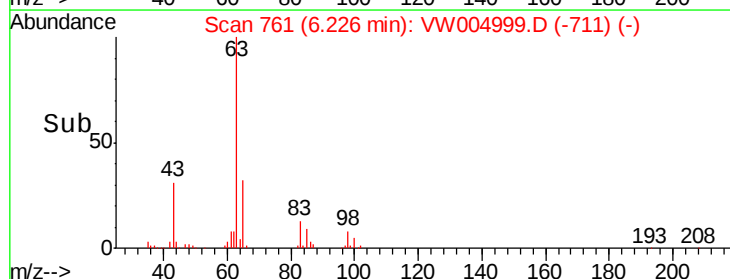
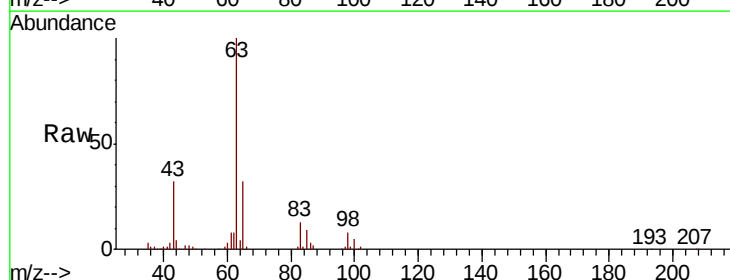
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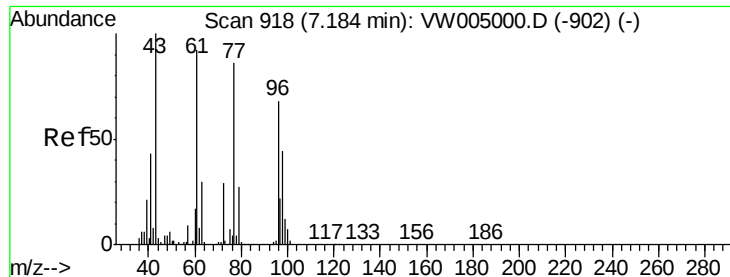
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#24
 1,1-Dichloroethane
 Concen: 19.860 ug/l
 RT: 6.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.4	10.2
100	4.8	2.2	6.6





#25

2-Butanone

Concen: 96.156 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 116906

Ion Ratio Lower Upper

43 100

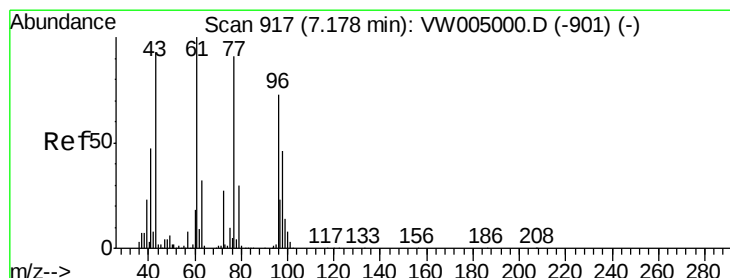
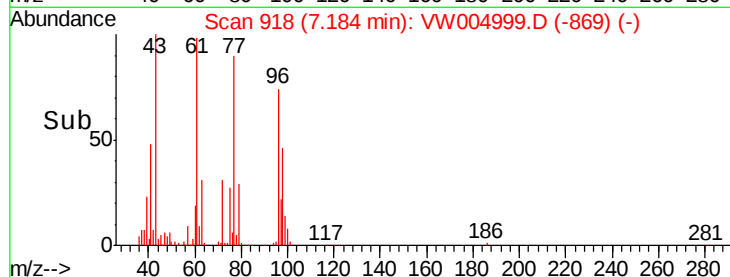
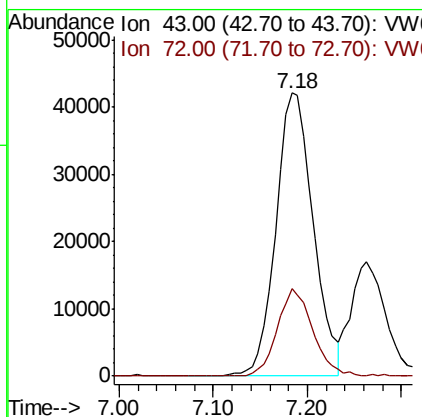
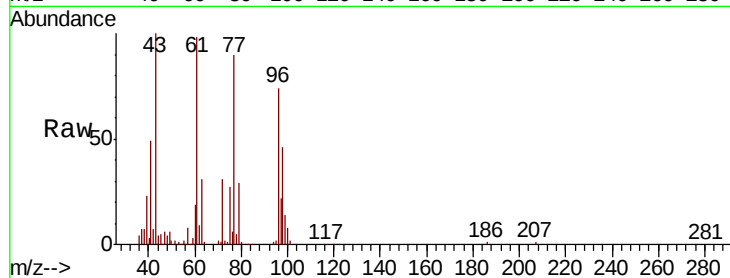
72 30.8 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.414 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW004999.D

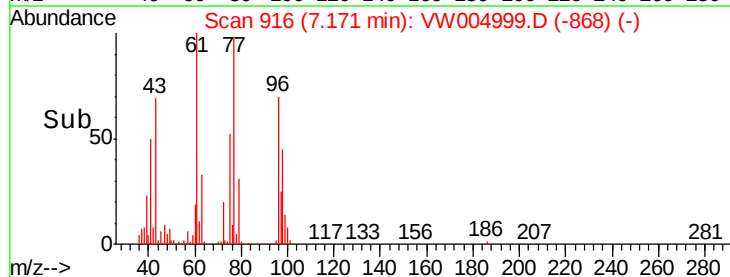
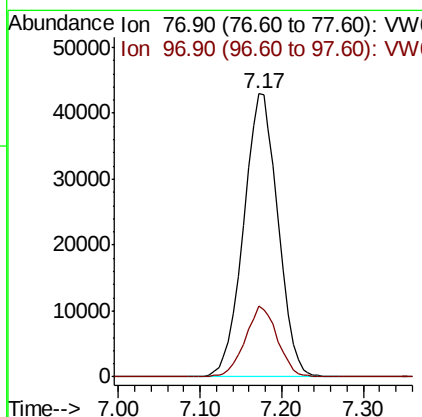
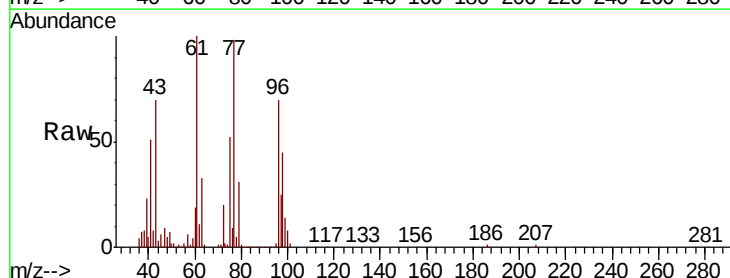
Acq: 29 Aug 2018 13:02

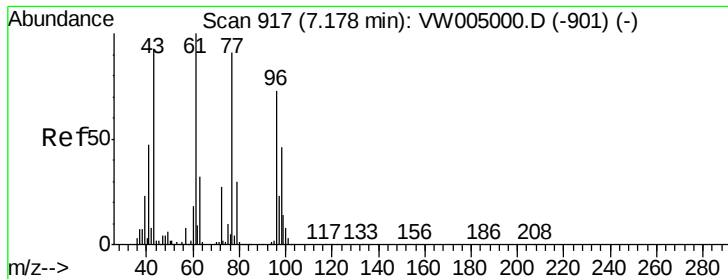
Tgt Ion: 77 Resp: 125765

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.4





#27

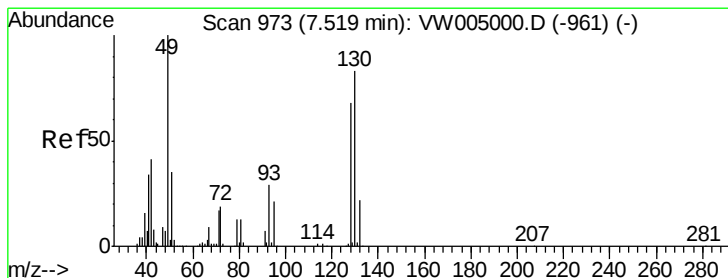
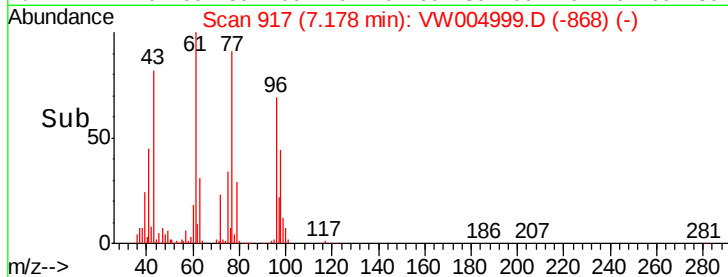
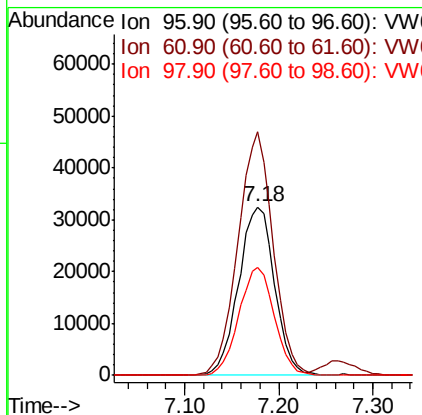
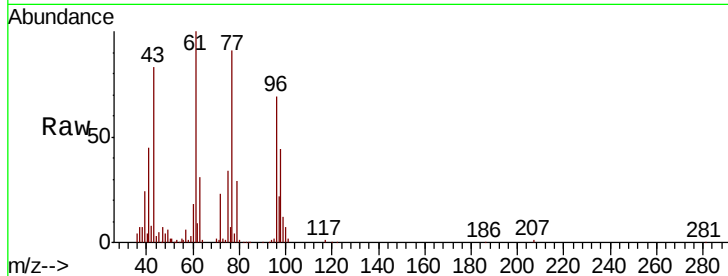
cis-1,2-Dichloroethene
Concen: 19.914 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	86813		
61	141.2		0.0	281.6
98	63.3		0.0	129.0

Manual Integrations
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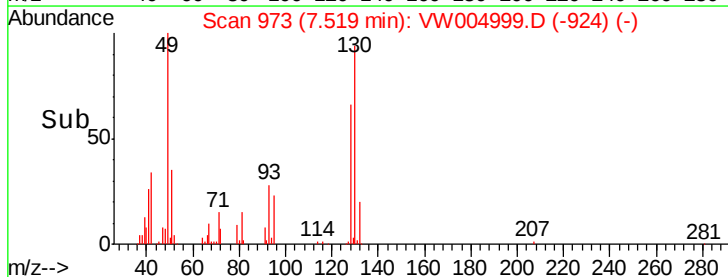
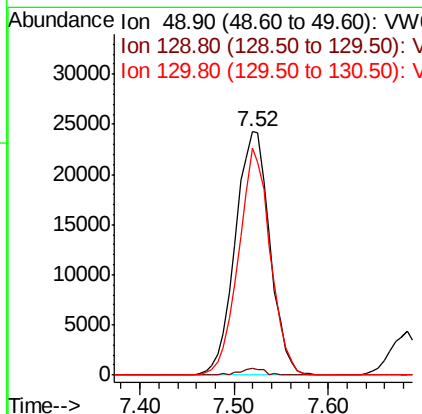
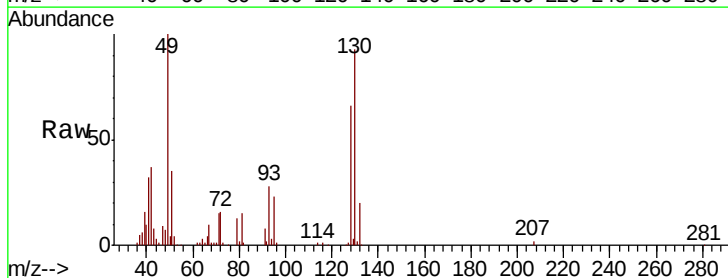
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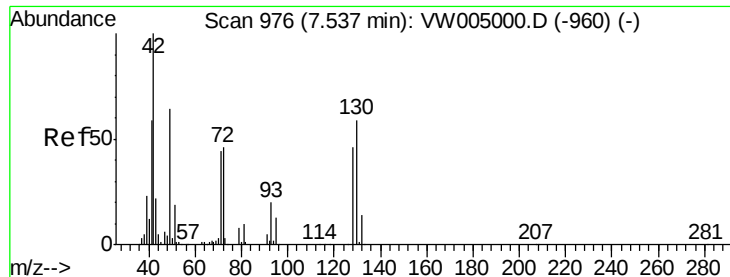


#28

Bromochloromethane
Concen: 20.130 ug/l
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	62131		
129	2.0		0.0	4.2
130	85.6		68.2	102.2





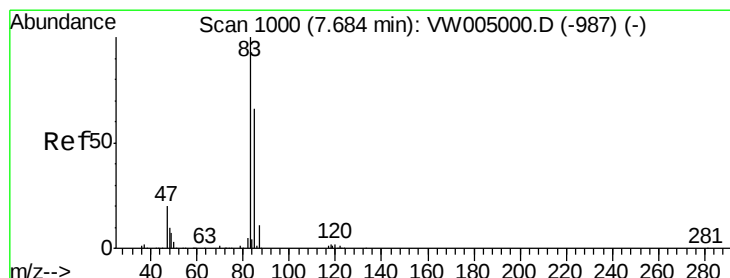
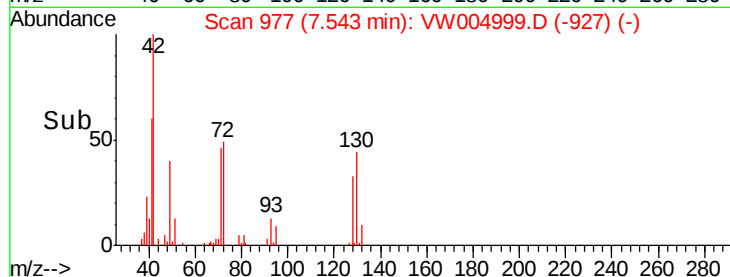
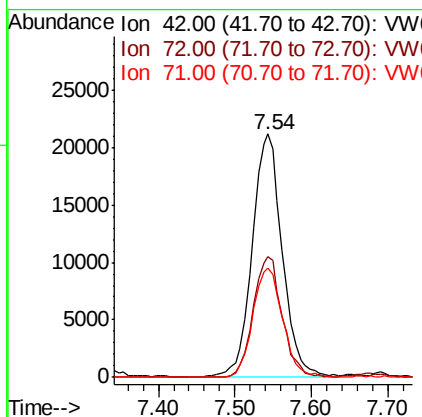
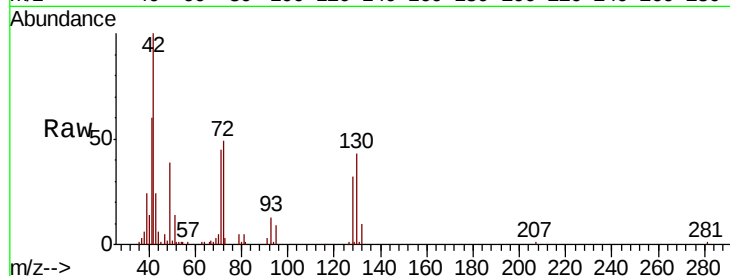
#29
Tetrahydrofuran
Concen: 94.696 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	36.6	55.0
71	44.6	35.4	53.2

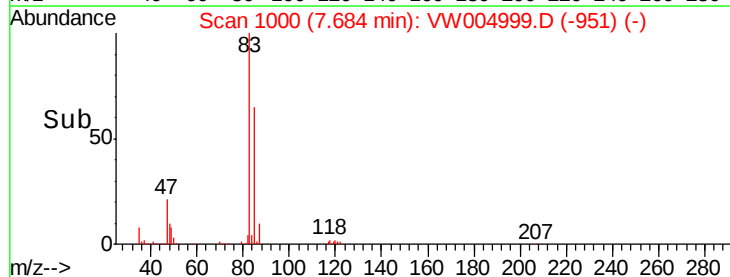
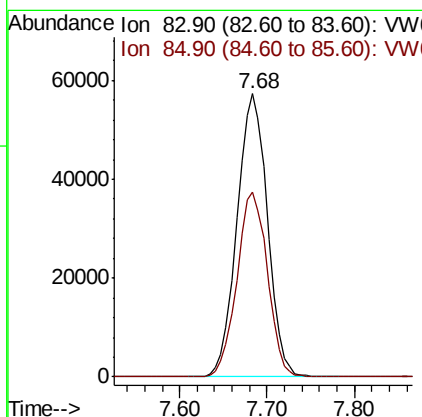
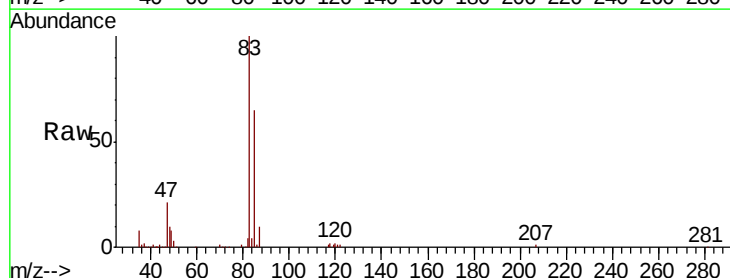
Manual Integrations
APPROVED

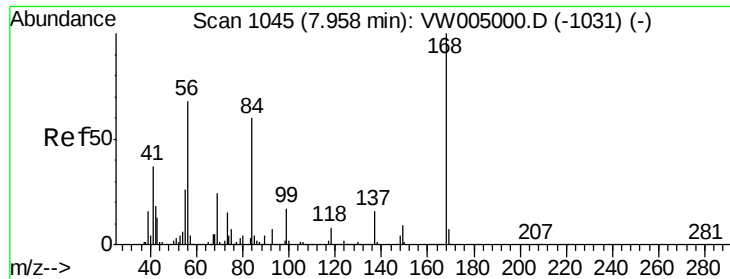
apatel
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#30
Chloroform
Concen: 20.042 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8





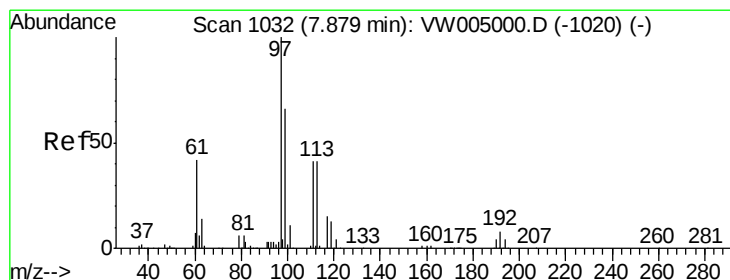
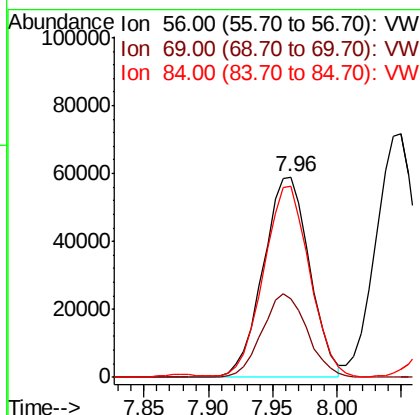
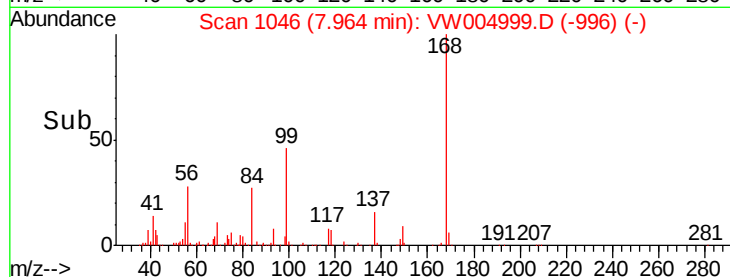
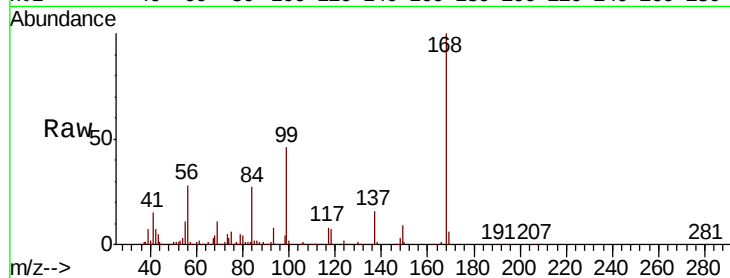
#31
Cyclohexane
Concen: 19.842 ug/l
RT: 7.96 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	27.9	41.9
84	93.9	70.5	105.7

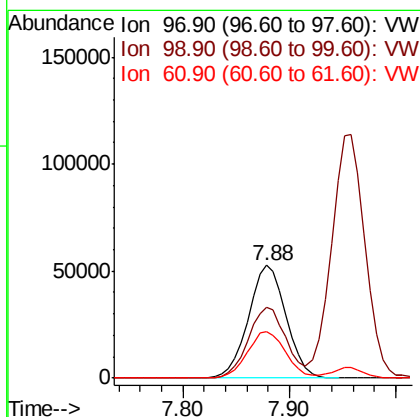
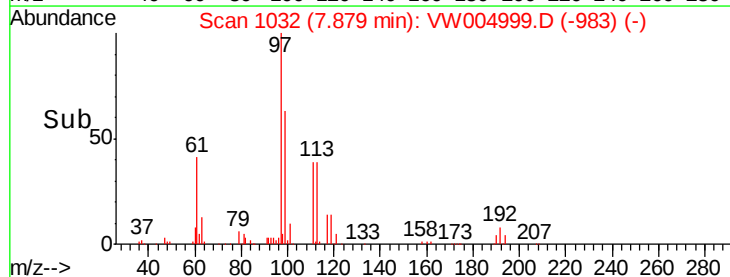
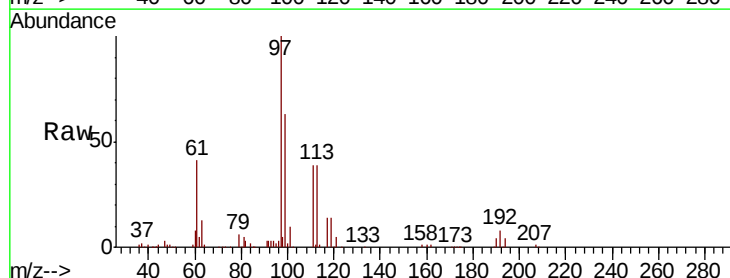
Manual Integrations
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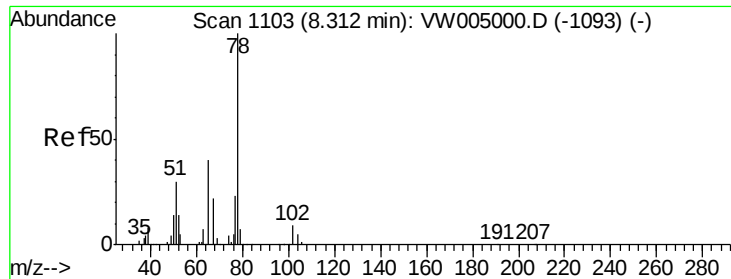
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#32
1,1,1-Trichloroethane
Concen: 20.606 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.3	78.5
61	41.5	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 20.004 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 69158

Ion Ratio Lower Upper

65 100

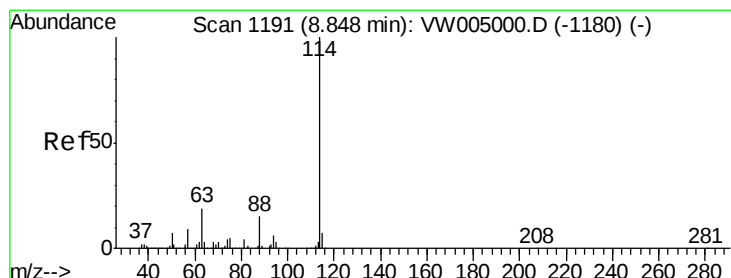
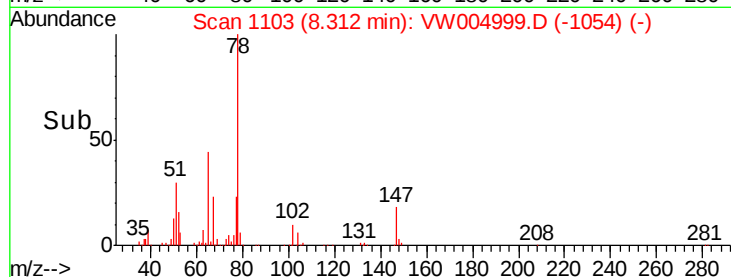
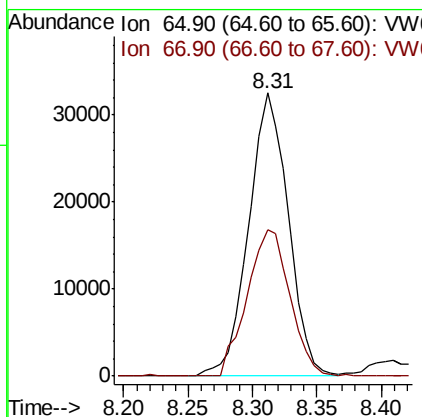
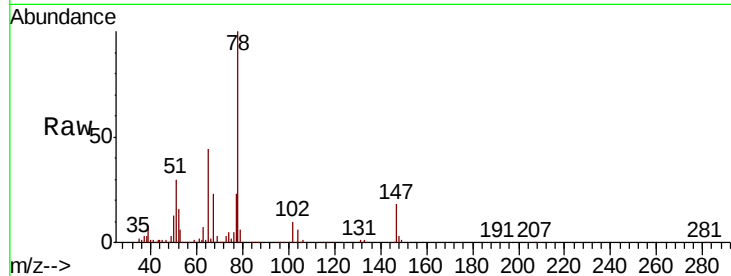
67 56.1 0.0 112.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

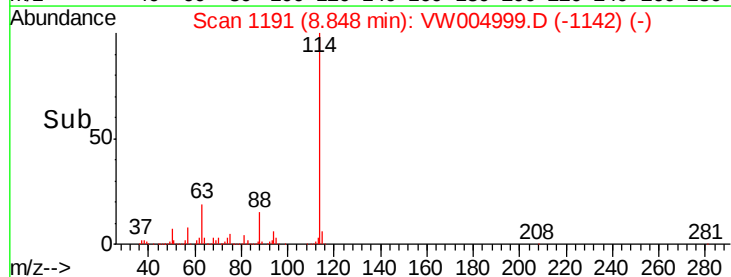
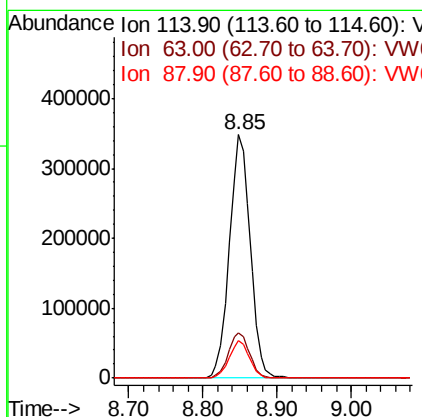
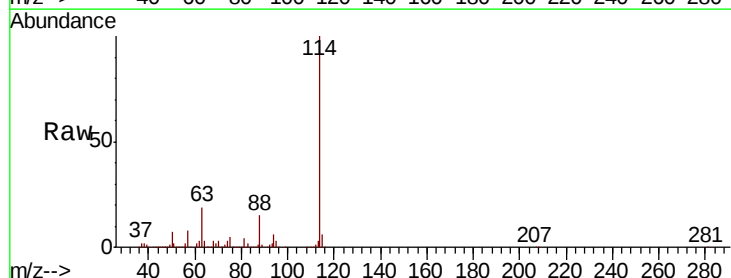
Tgt Ion: 114 Resp: 684380

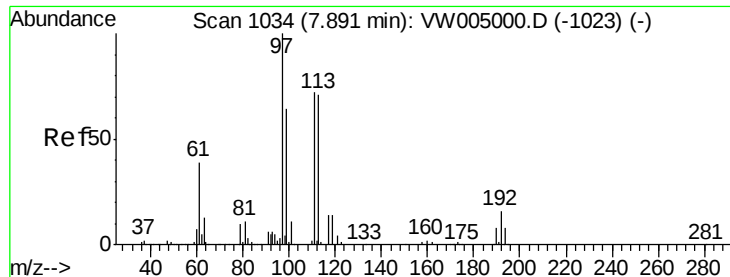
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.4 0.0 30.6





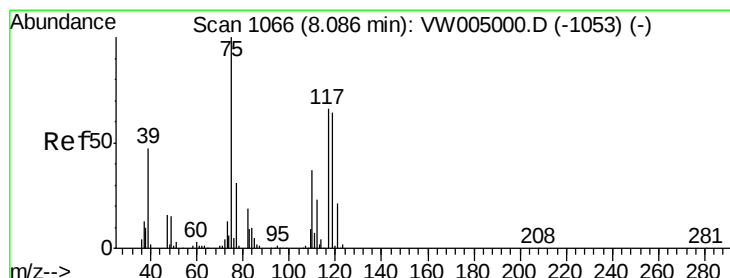
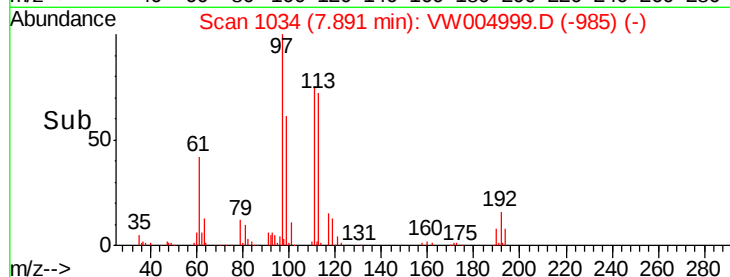
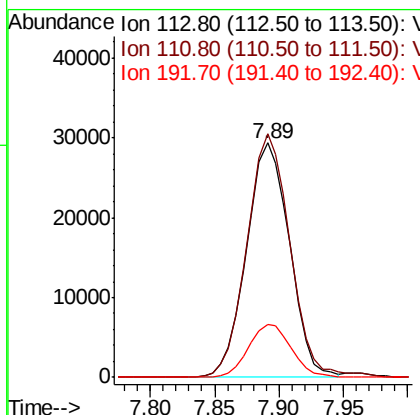
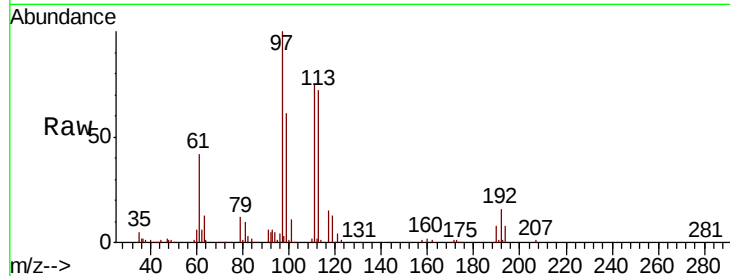
#35
 Dibromofluoromethane
 Concen: 20.059 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.3	121.9
192	22.6	17.8	26.8

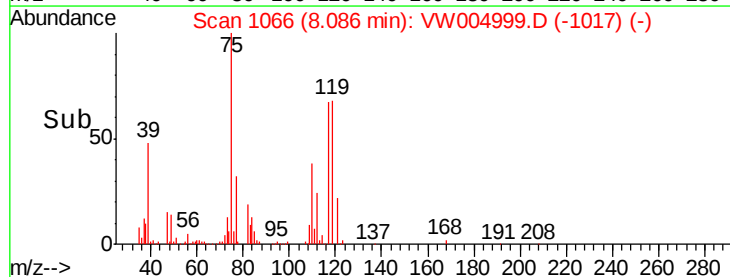
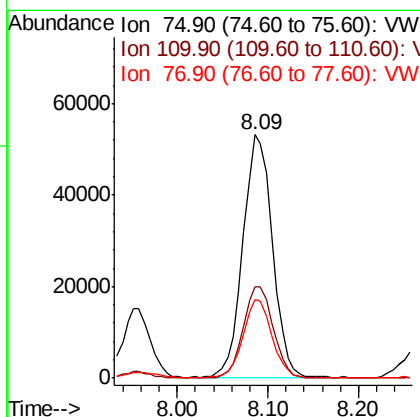
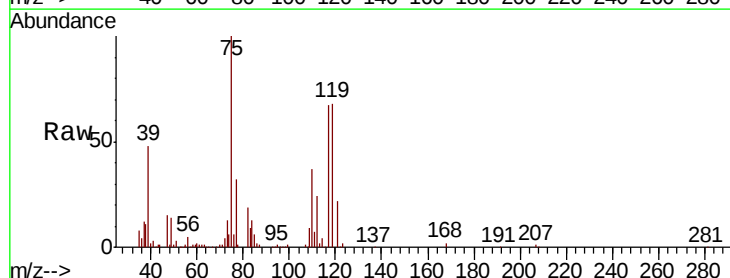
Manual Integrations
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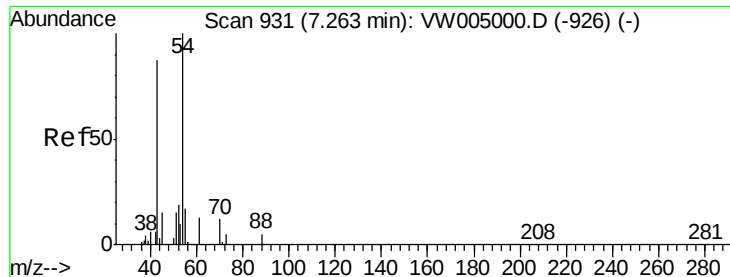
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#36
 1,1-Dichloropropene
 Concen: 20.604 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.7	56.1
77	32.4	24.9	37.3





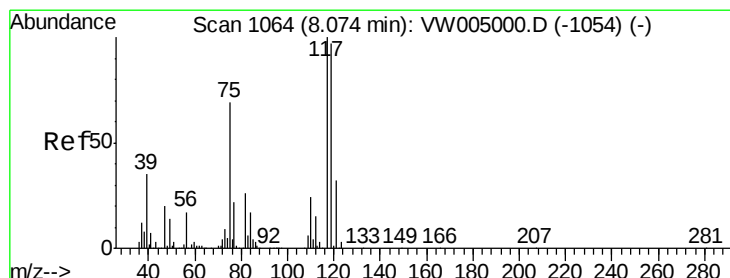
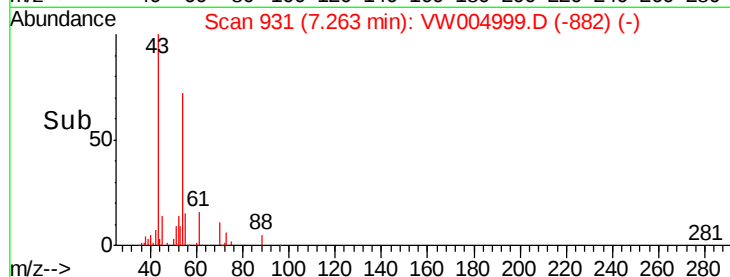
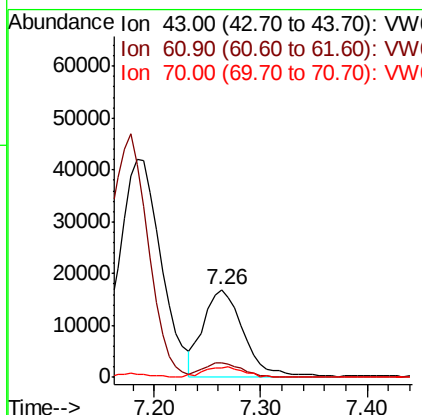
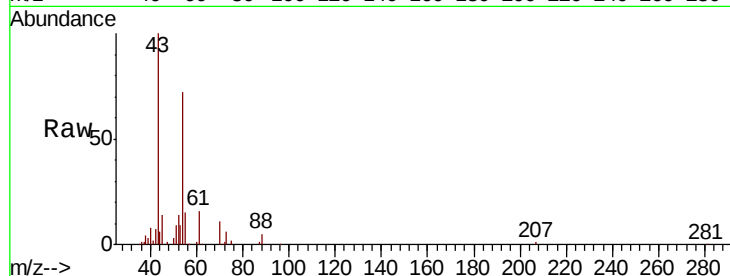
#37
Ethyl Acetate
Concen: 20.880 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.3	18.5
70	12.0	9.7	14.5

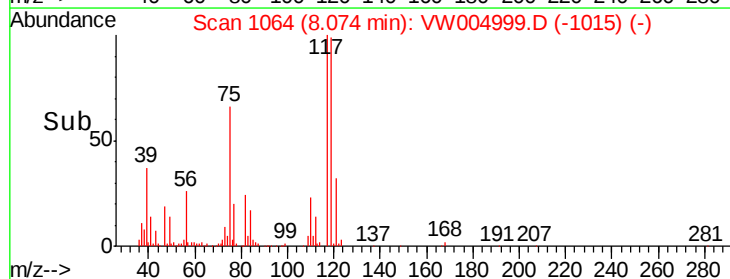
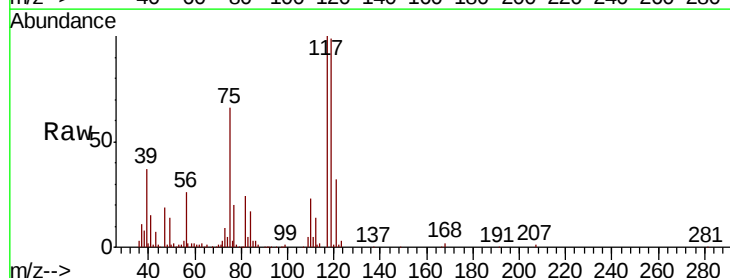
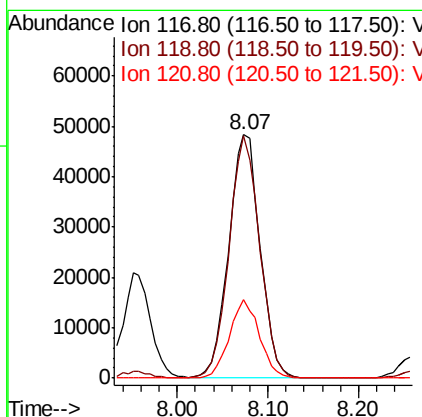
Manual Integrations
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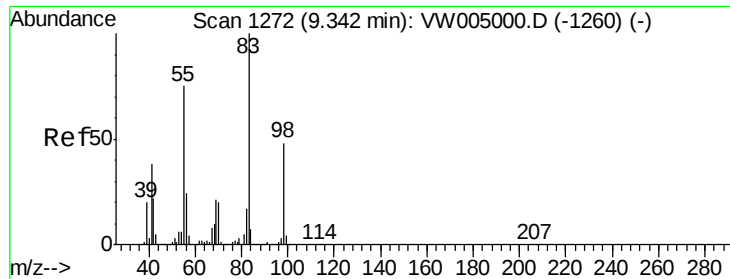
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#38
Carbon Tetrachloride
Concen: 20.853 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.8	116.8
121	32.2	25.2	37.8





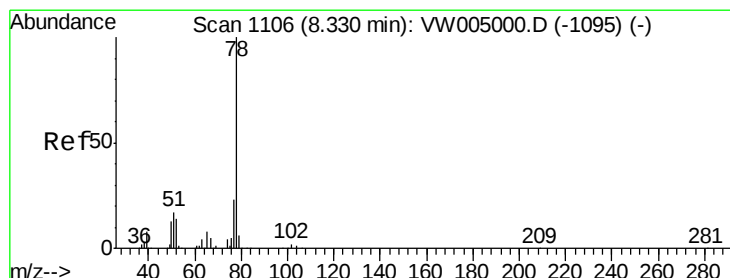
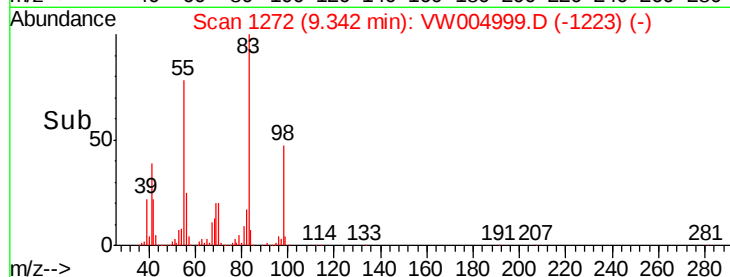
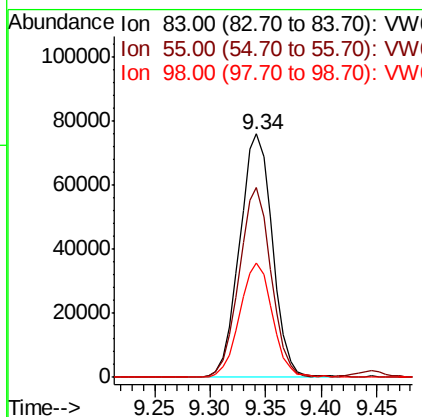
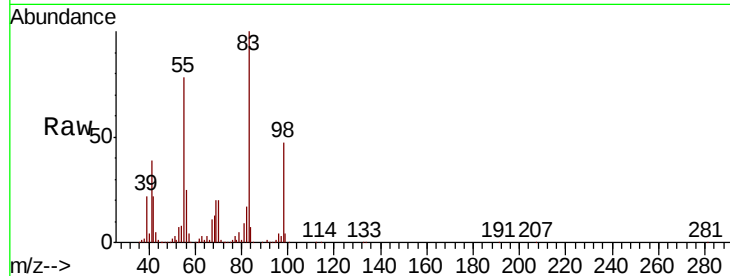
#39
Methvlcvclohexane
Concen: 19.482 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	60.2	90.2
98	46.9	38.6	57.8

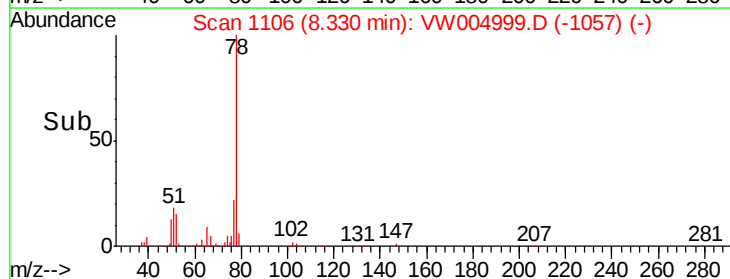
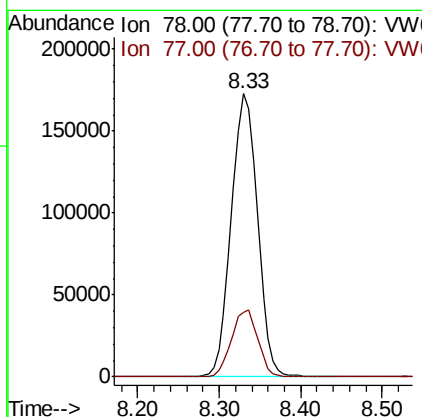
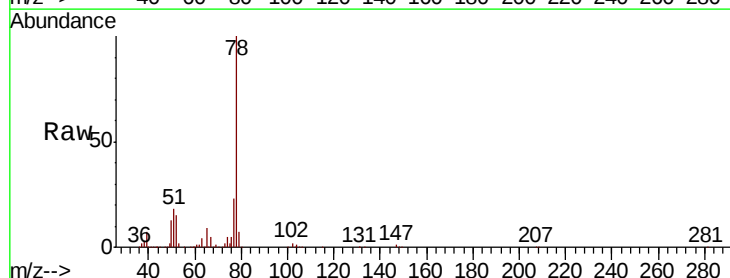
Manual Integrations
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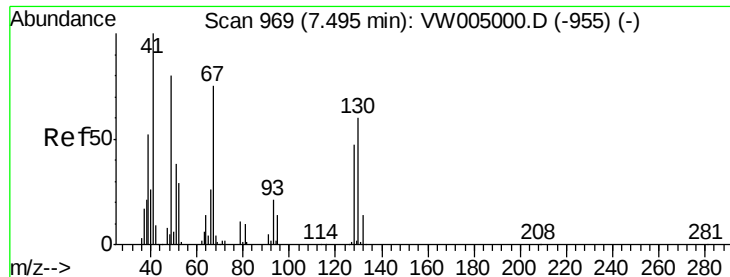
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#40
Benzene
Concen: 20.712 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	28.0





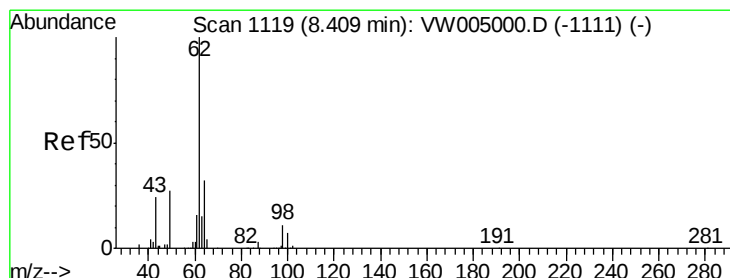
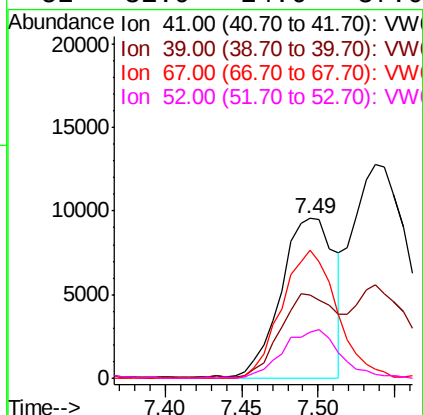
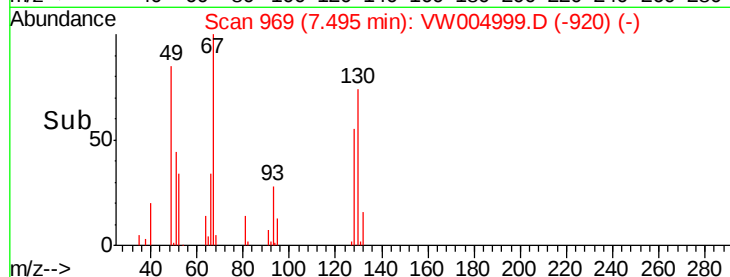
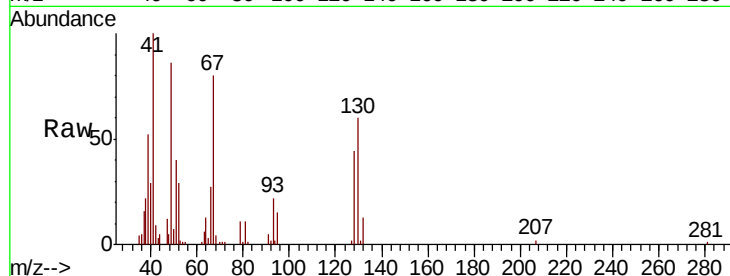
#41
Methacrylonitrile
Concen: 19.379 ug/l
RT: 7.49 min Scan# 969
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.5	42.0	63.0
67	81.9	63.4	95.2
52	31.9	24.6	37.0

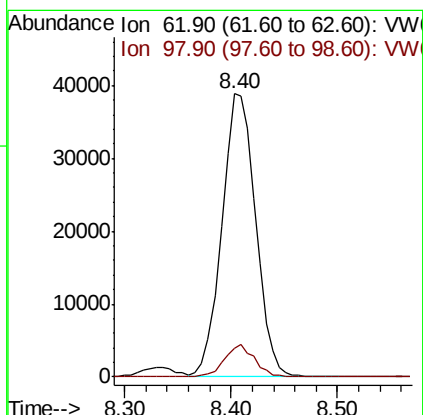
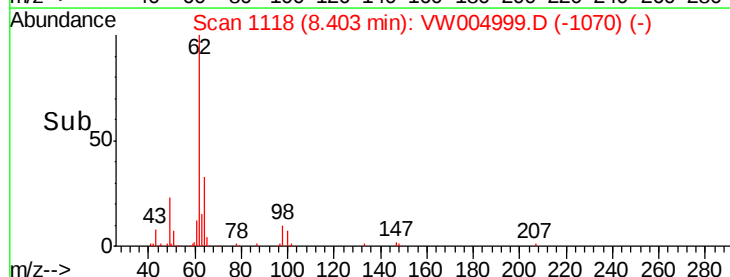
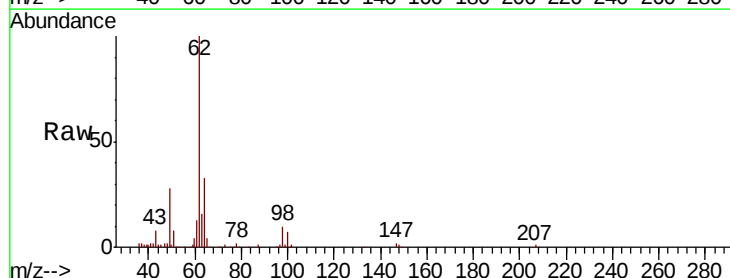
Manual Integrations
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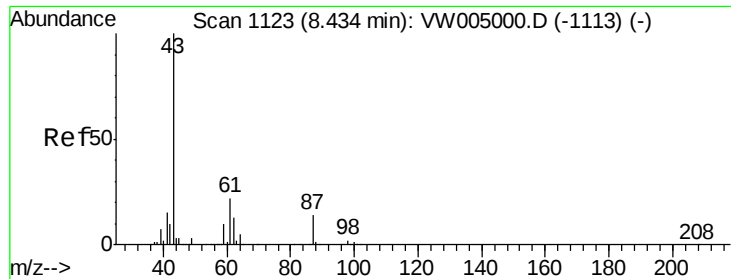
apatel
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#42
1,2-Dichloroethane
Concen: 20.830 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.8





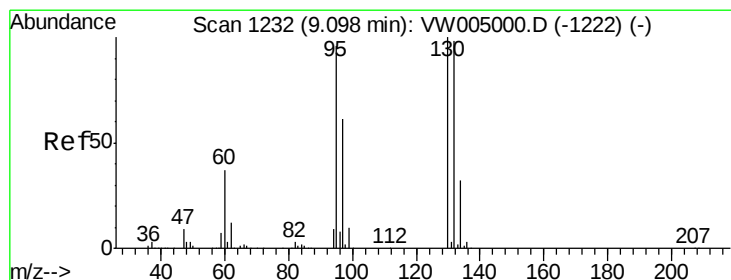
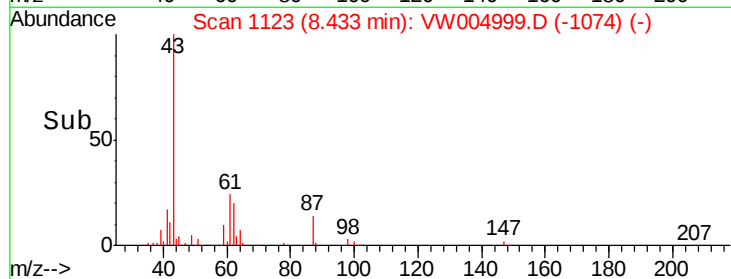
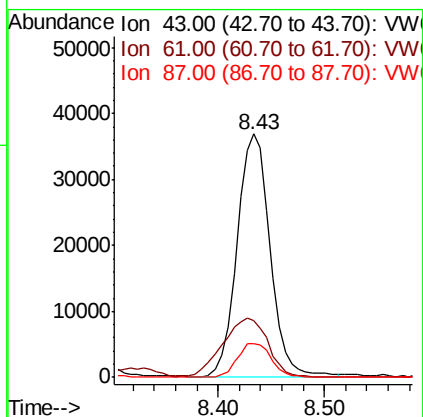
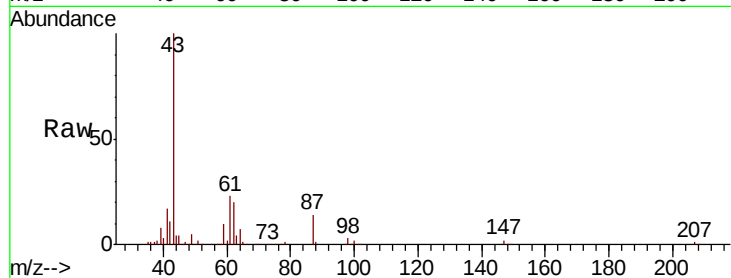
#43
Isopropyl Acetate
Concen: 19.178 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	26.2	39.4
87	14.6	11.8	17.6

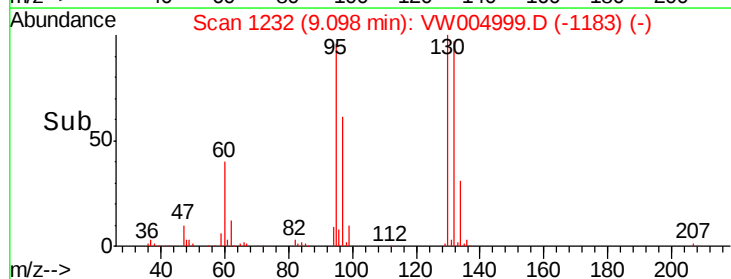
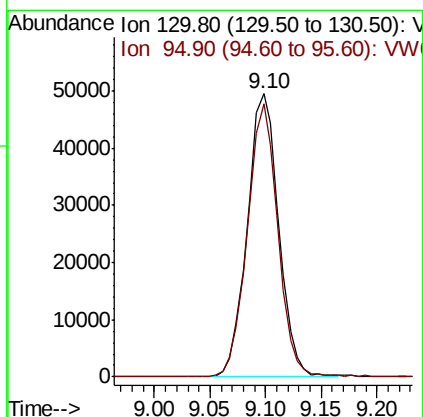
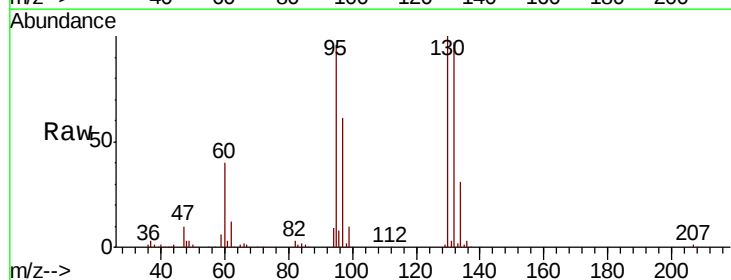
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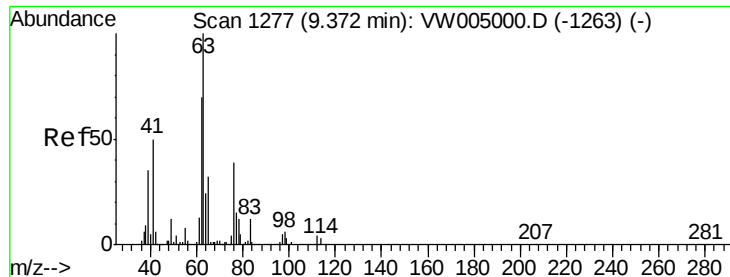
apatel
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#44
Trichloroethene
Concen: 20.529 ug/l
RT: 9.10 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	192.2





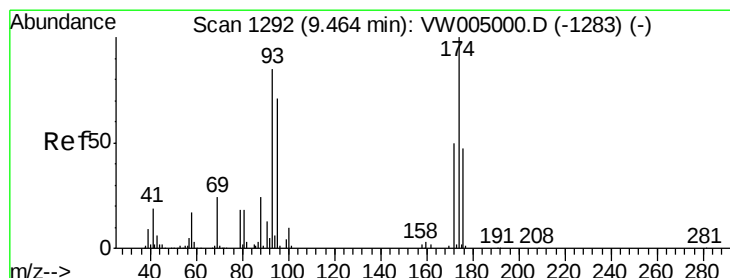
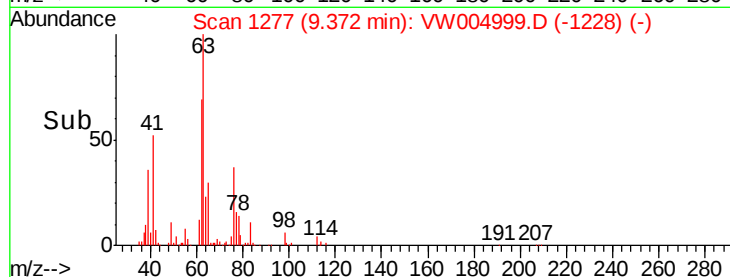
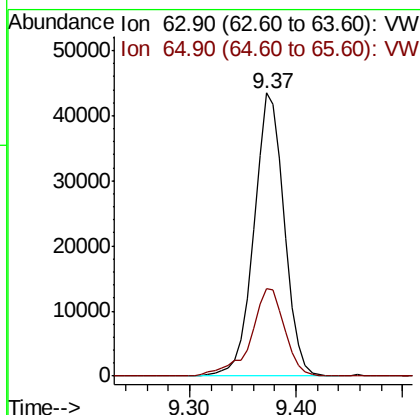
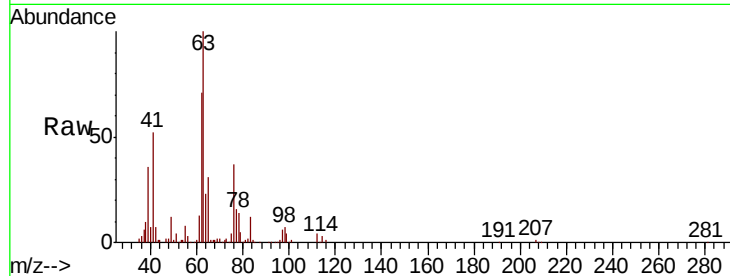
#45
 1,2-Dichloropropane
 Concen: 20.420 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.3	37.9

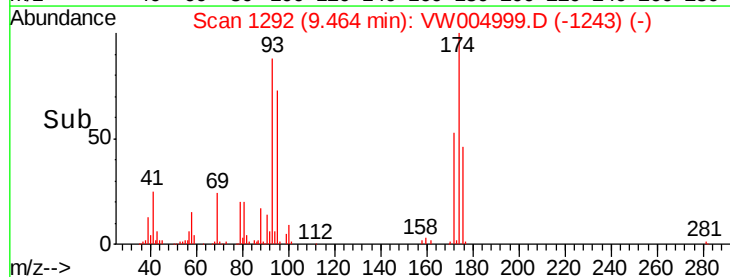
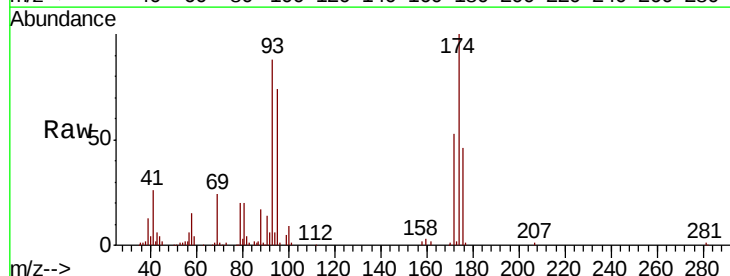
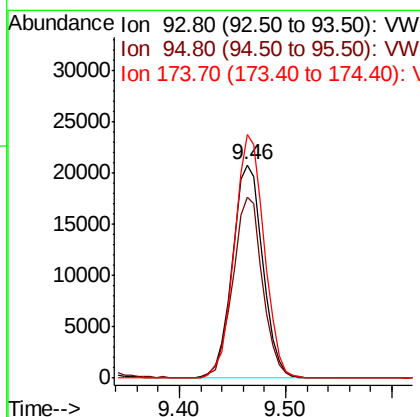
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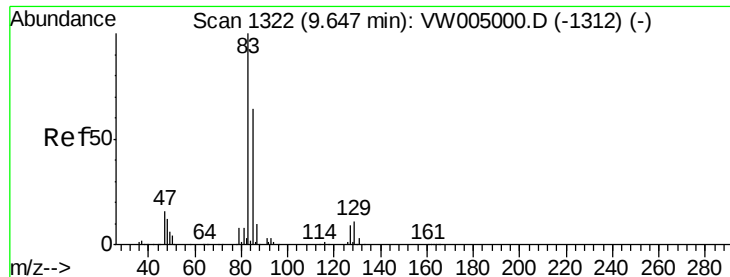
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#46
 Dibromomethane
 Concen: 20.798 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	68.0	102.0
174	111.9	91.4	137.0





#47

Bromodichloromethane

Concen: 20.614 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

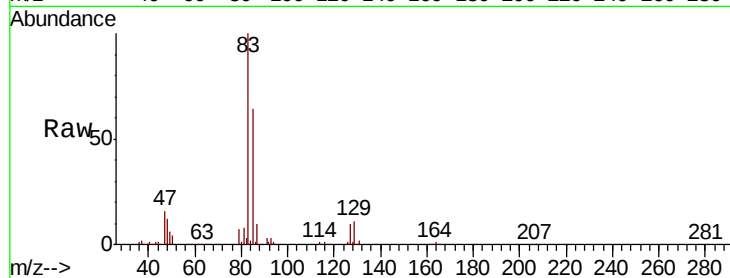
ClientSampleId :

VSTDIC020

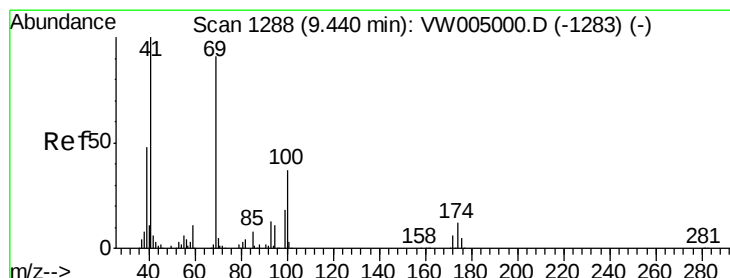
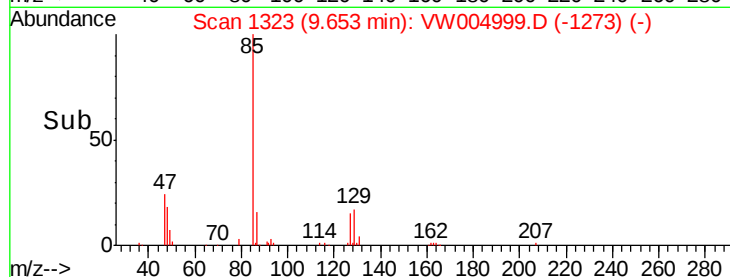
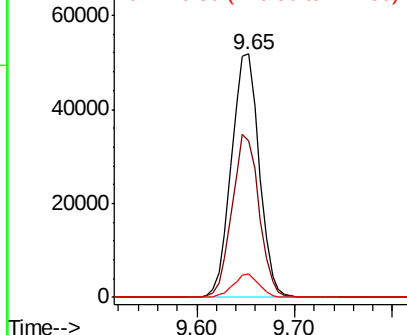
Tot Ion:	83	Resp:	102380
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.3	76.9
127	9.6	7.2	10.8

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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): VW



#48

Methyl methacrylate

Concen: 18.420 ug/l

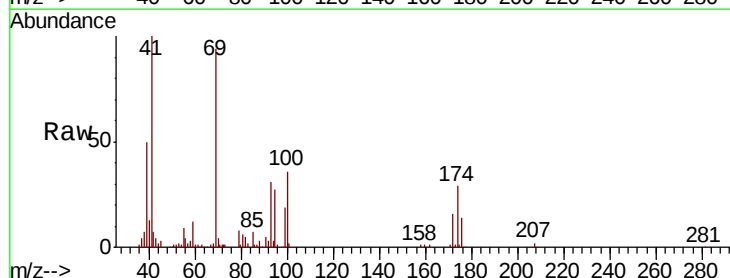
RT: 9.45 min Scan# 1289

Delta R.T. 0.01 min

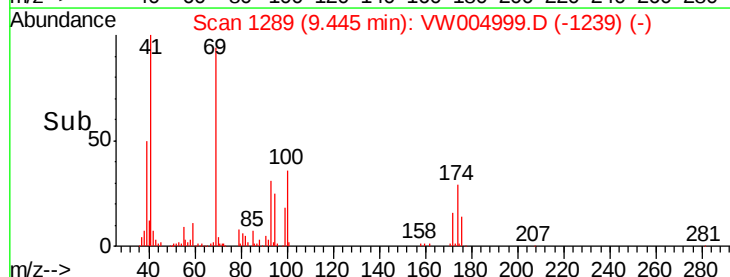
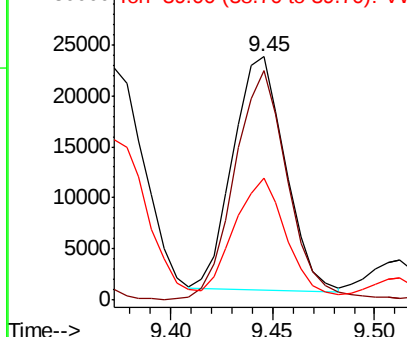
Lab File: VW004999.D

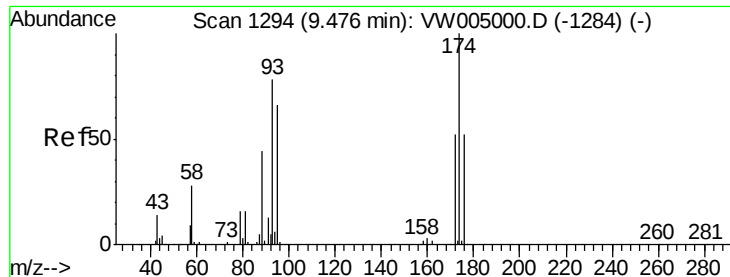
Acq: 29 Aug 2018 13:02

Tgt Ion:	41	Resp:	40676
Ion Ratio	Lower	Upper	
41	100		
69	100.7	72.5	108.7
39	48.0	37.0	55.6



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





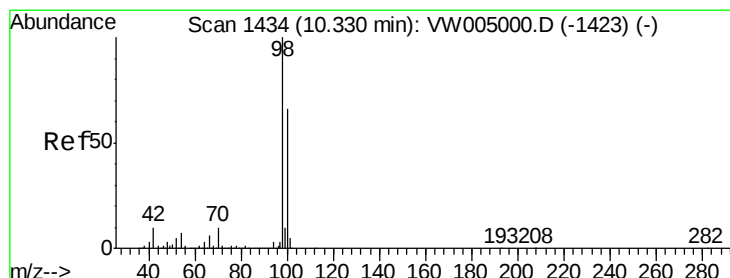
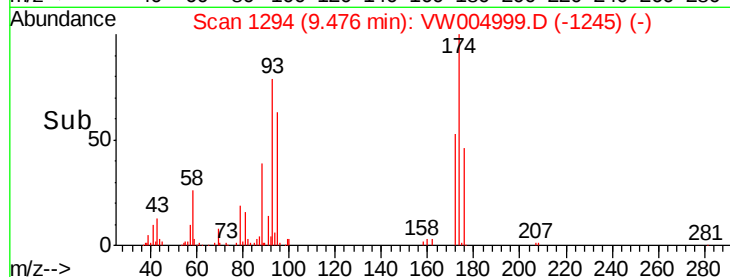
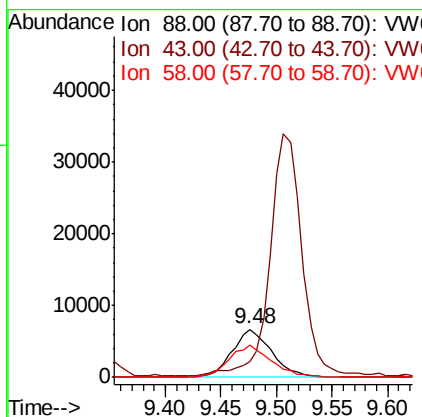
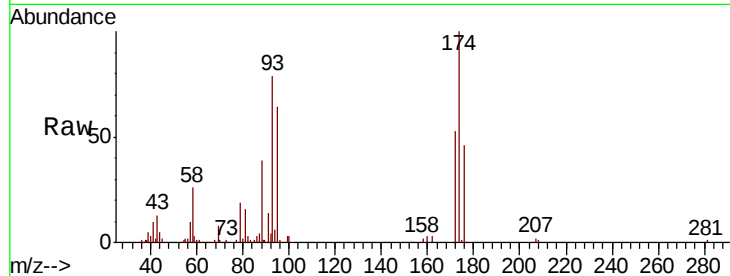
#49
1,4-Dioxane
Concen: 388.597 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.7	57.0	85.4

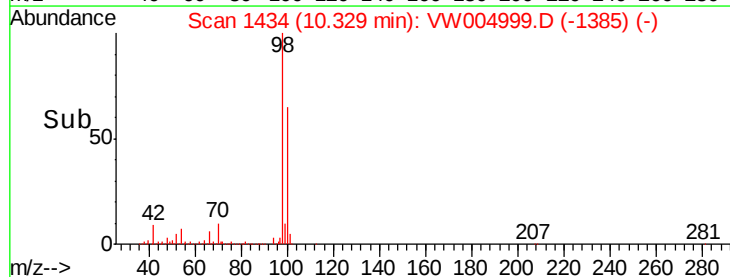
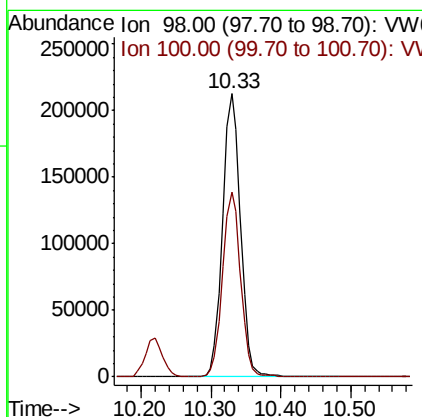
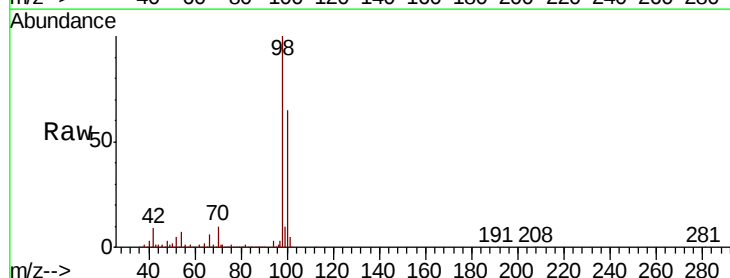
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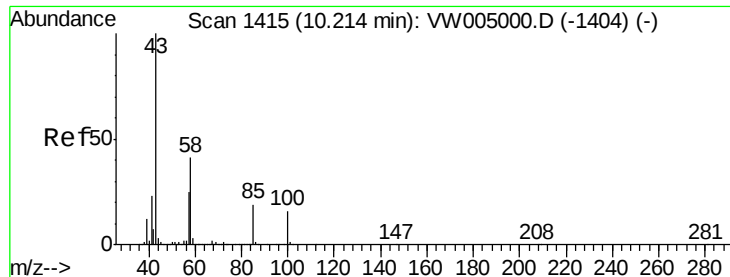
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#50
Toluene-d8
Concen: 20.454 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 96.698 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 301207

Ion Ratio Lower Upper

43 100

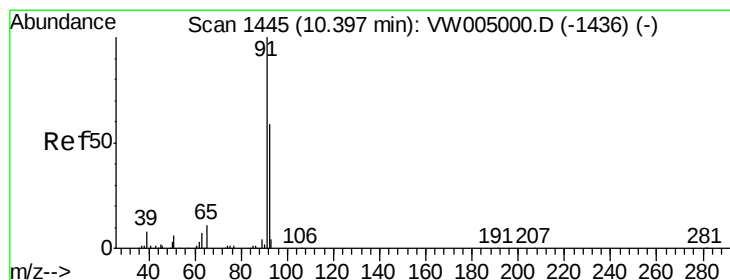
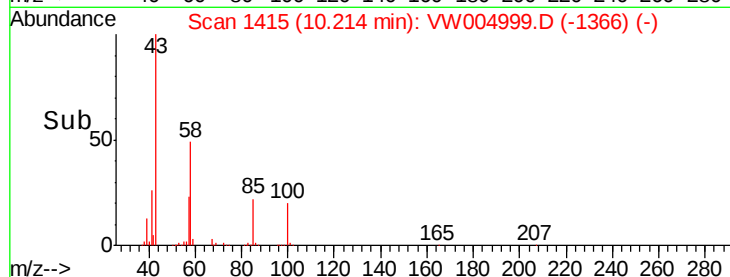
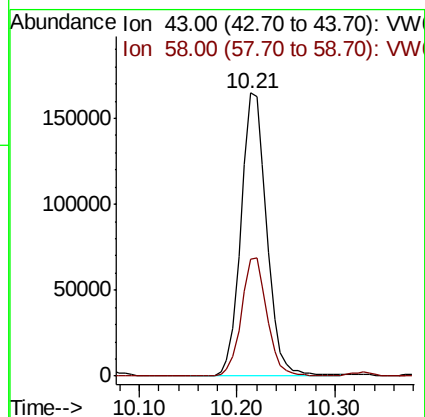
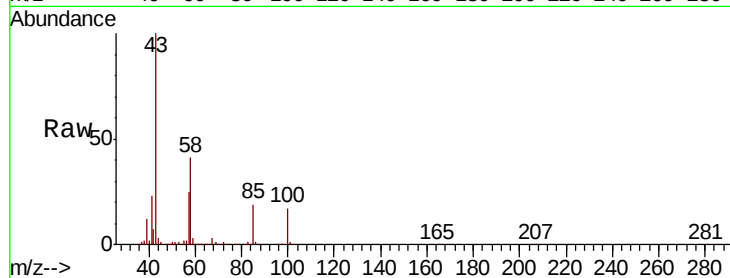
58 41.5 33.5 50.3

Manual Integrations

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#52

Toluene

Concen: 20.836 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW004999.D

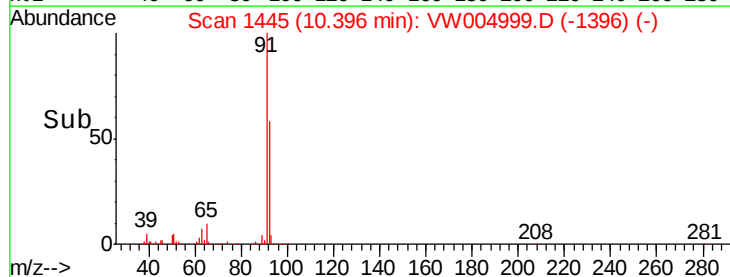
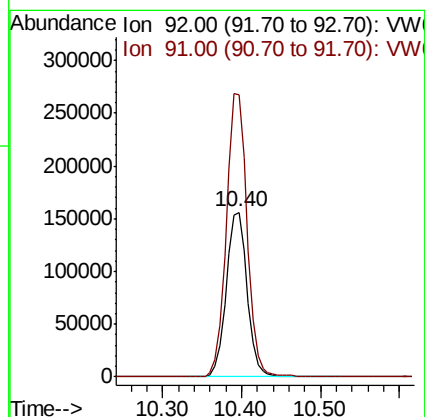
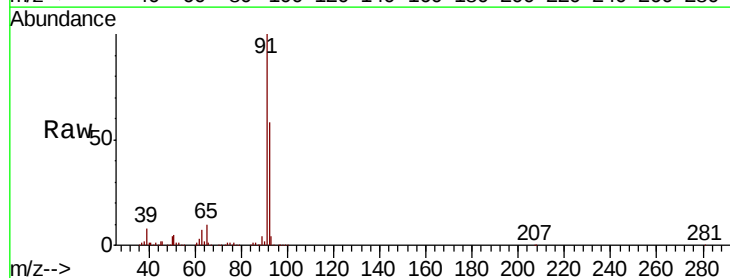
Acq: 29 Aug 2018 13:02

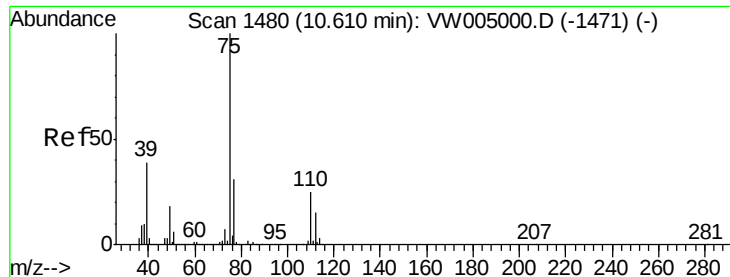
Tgt Ion: 92 Resp: 286932

Ion Ratio Lower Upper

92 100

91 171.7 137.4 206.2





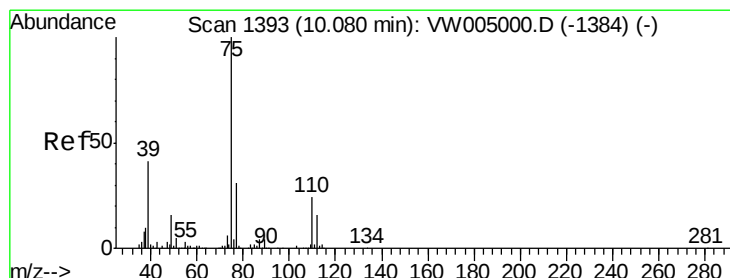
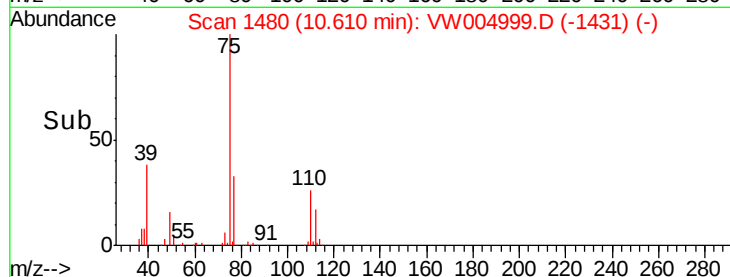
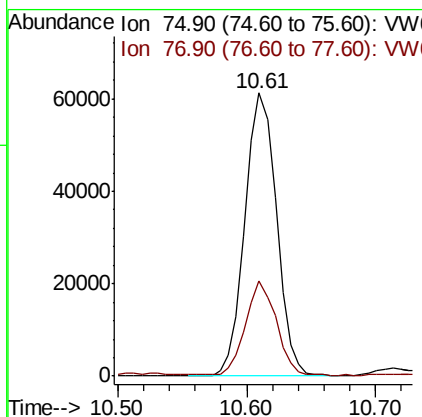
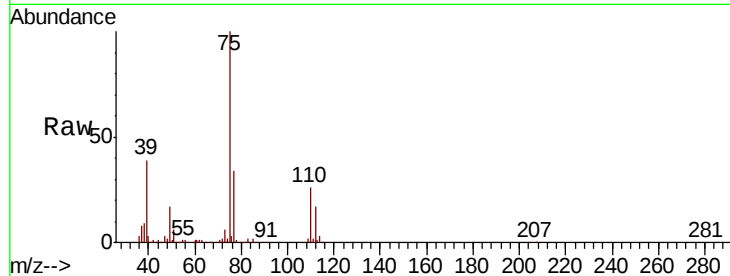
#53
t-1,3-Dichloropropene
Concen: 19.667 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.1	37.7

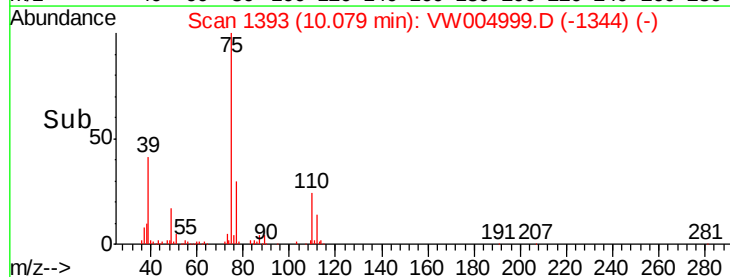
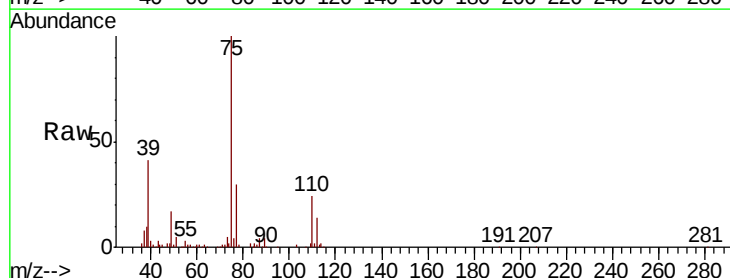
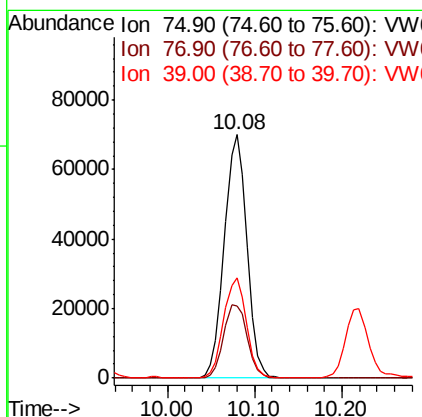
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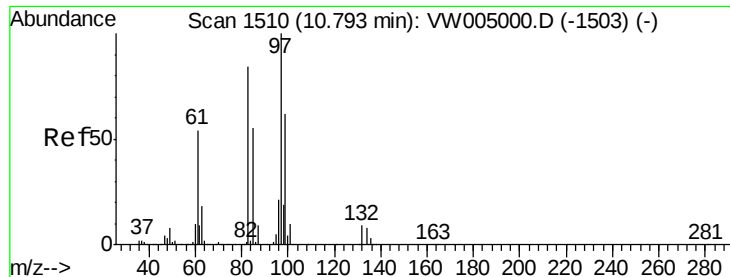
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#54
cis-1,3-Dichloropropene
Concen: 20.404 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.2	37.8
39	41.1	32.9	49.3





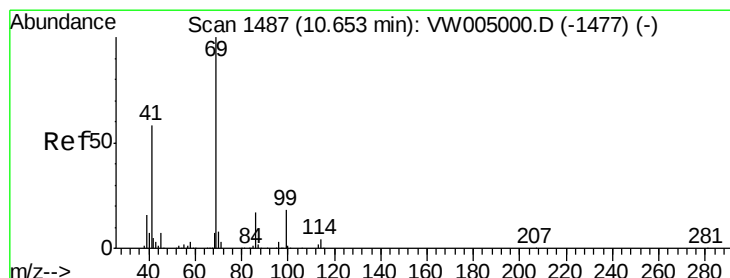
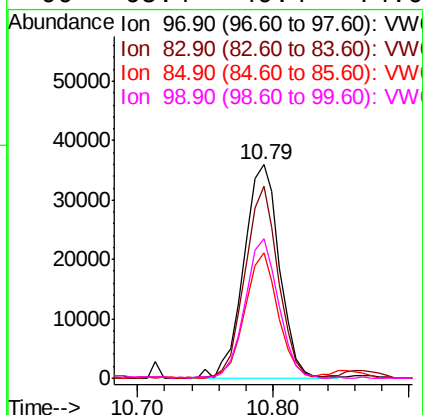
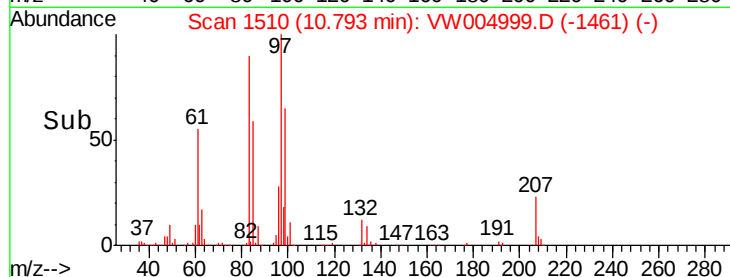
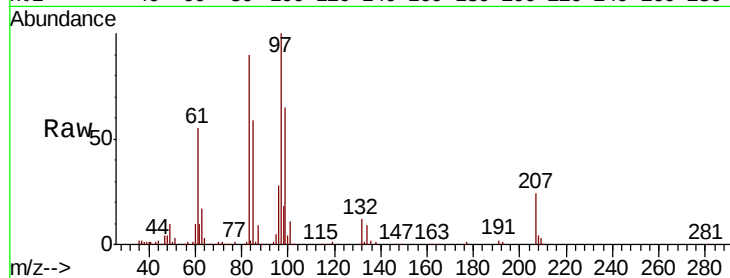
#55
 1,1,2-Trichloroethane
 Concen: 20.066 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	66016
Ion	Ratio	Lower	Upper
97	100		
83	89.7	67.3	100.9
85	58.6	44.3	66.5
99	65.4	49.4	74.0

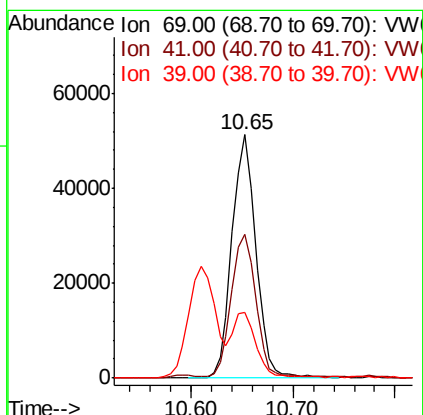
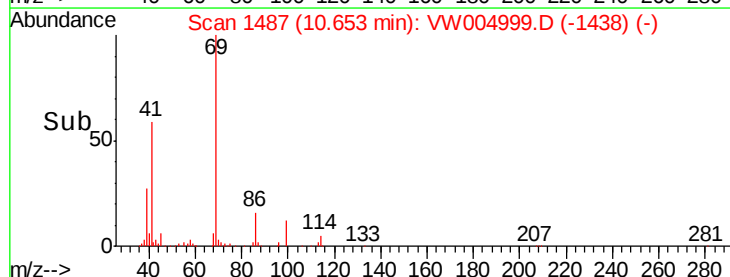
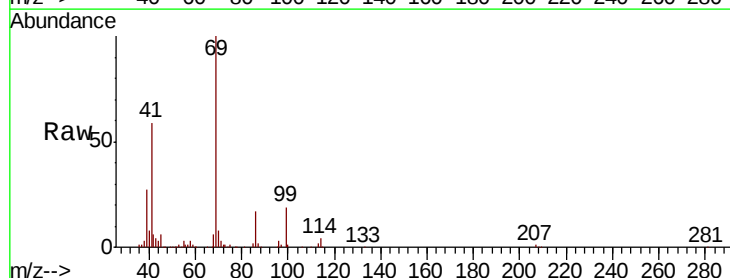
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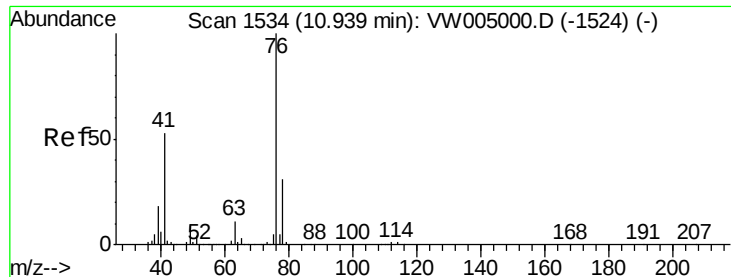
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#56
 Ethyl methacrylate
 Concen: 19.368 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion:	69	Resp:	83580
Ion	Ratio	Lower	Upper
69	100		
41	60.4	47.7	71.5
39	26.8	21.0	31.6





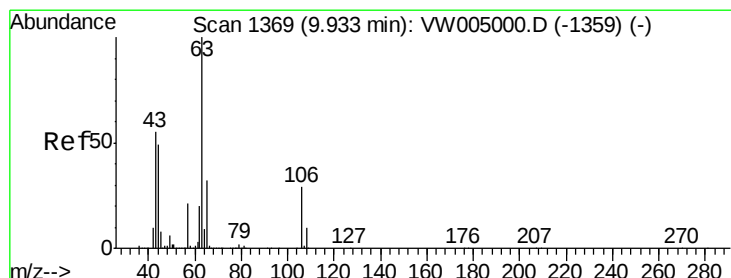
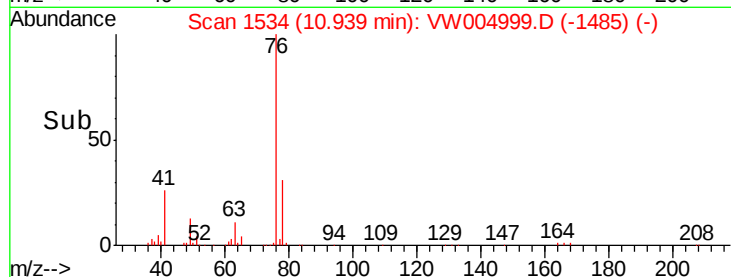
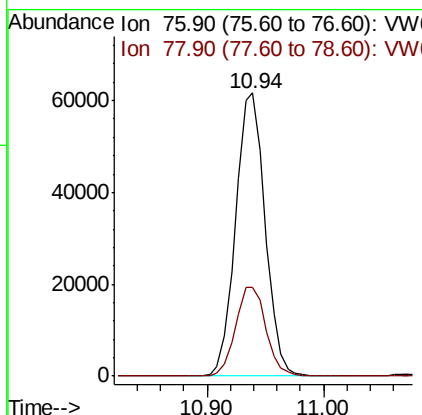
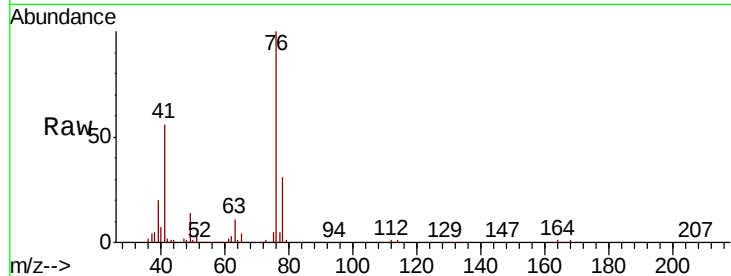
#57
 1,3-Dichloropropane
 Concen: 20.112 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 108883
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

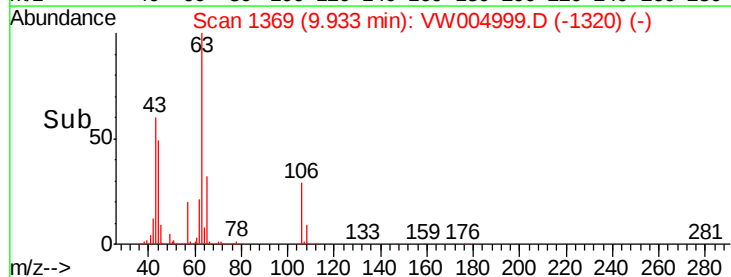
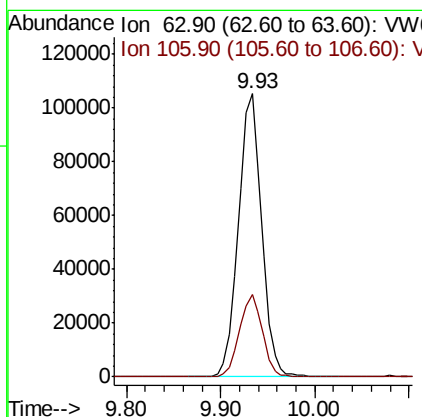
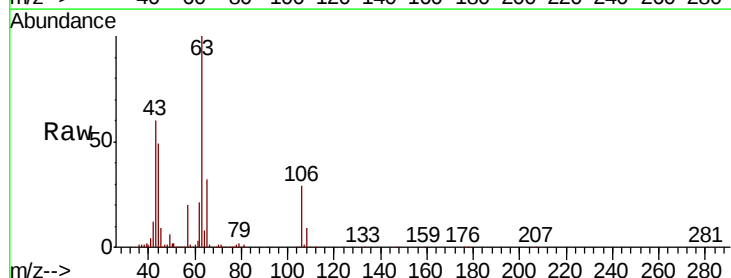
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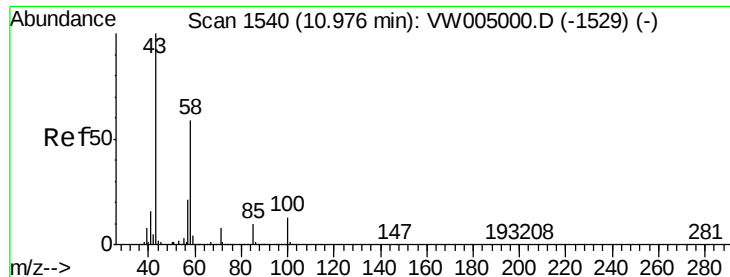
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.008 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion: 63 Resp: 180354
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.2 34.8





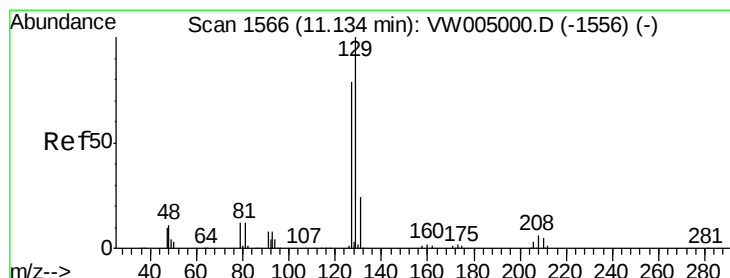
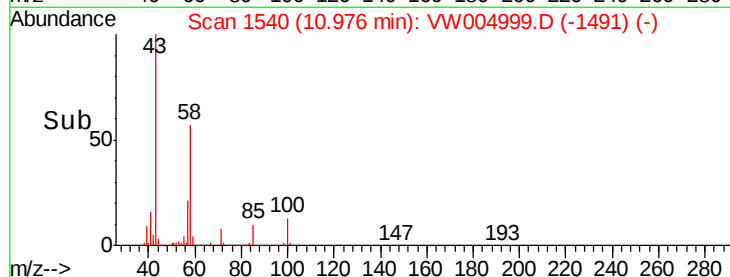
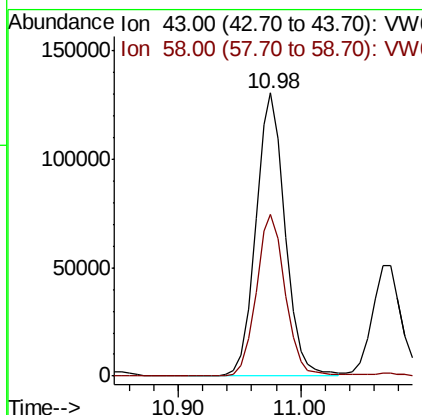
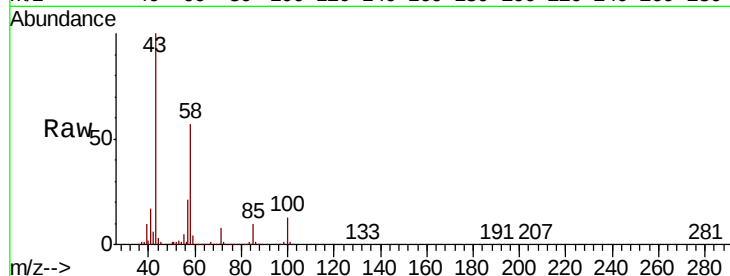
#59
2-Hexanone
Concen: 96.028 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 216574
Ion Ratio Lower Upper
43 100
58 57.0 29.2 87.6

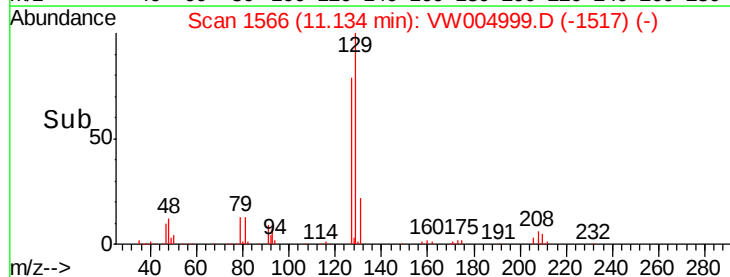
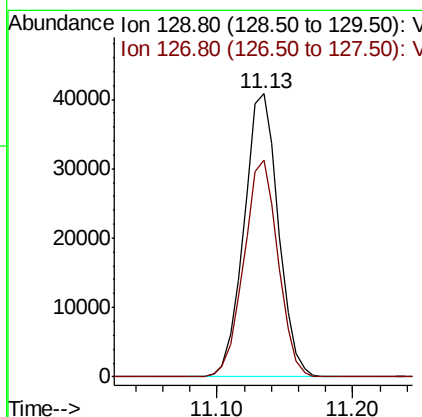
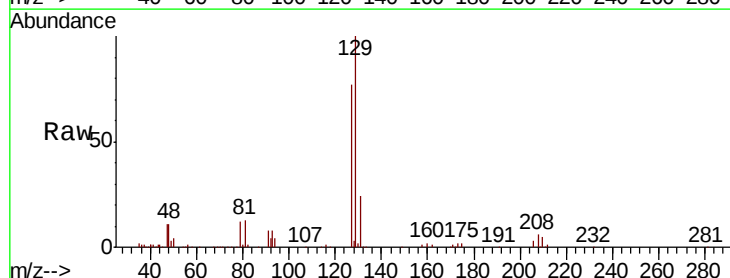
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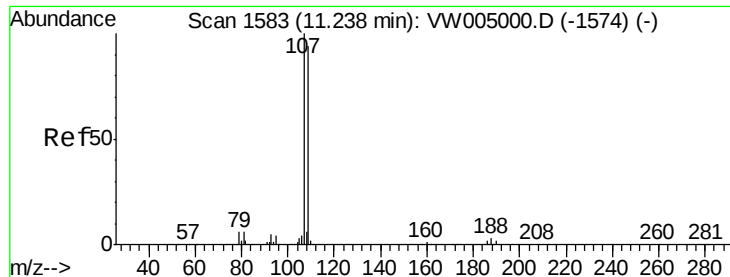
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#60
Dibromochloromethane
Concen: 19.992 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion: 129 Resp: 72186
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.8





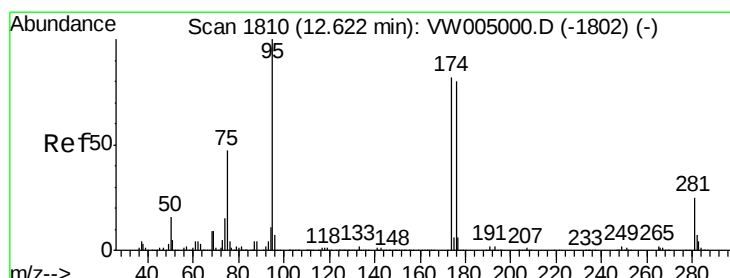
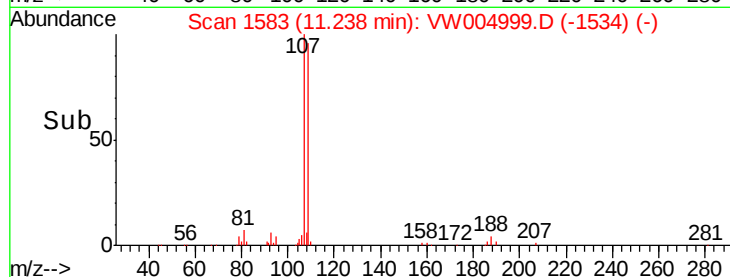
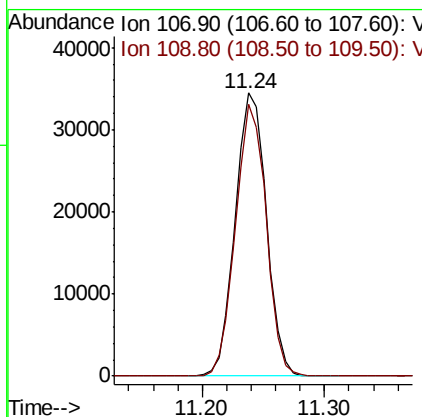
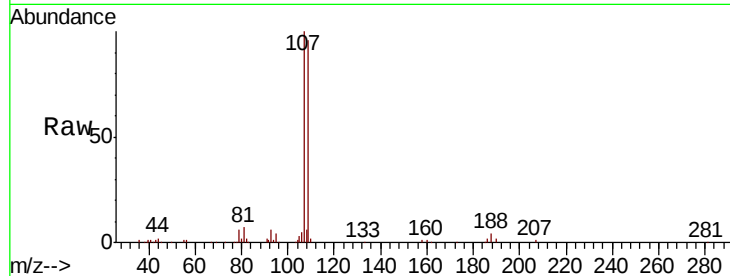
#61
1,2-Dibromoethane
Concen: 19.744 ug/l
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.2	112.8

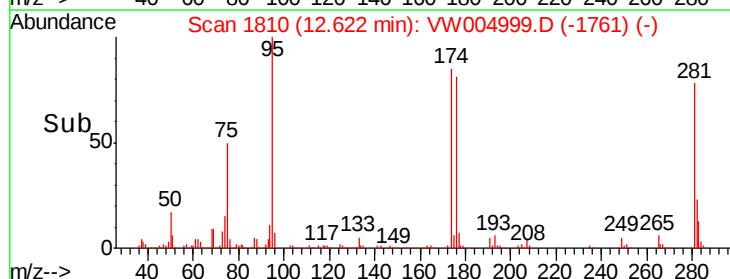
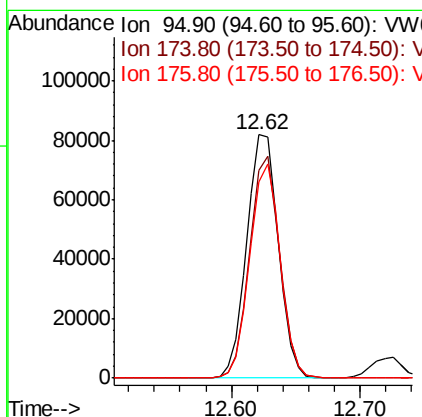
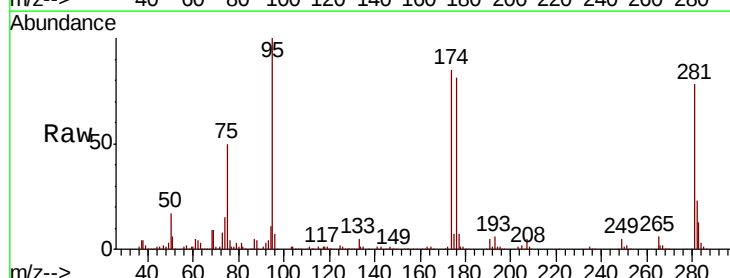
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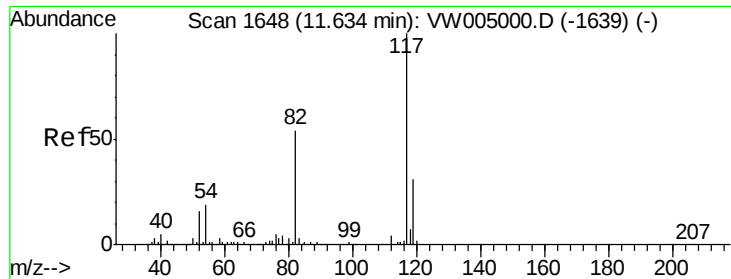
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#62
4-Bromofluorobenzene
Concen: 20.393 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	173.4
176	84.8	0.0	167.8





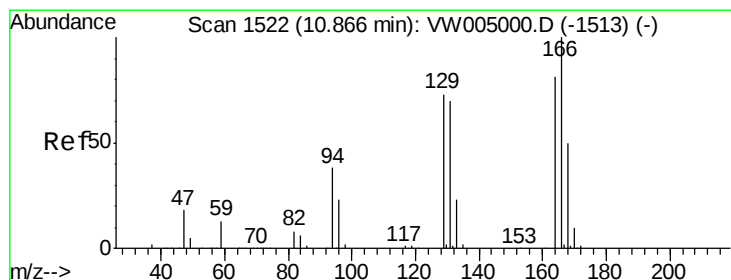
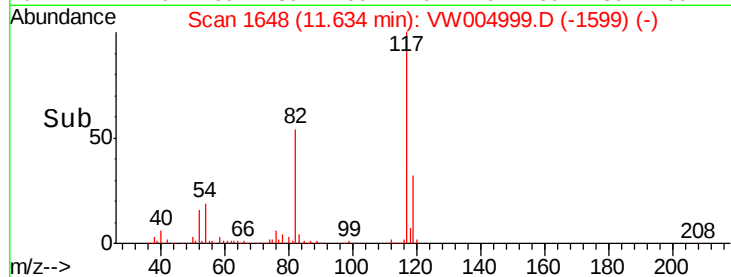
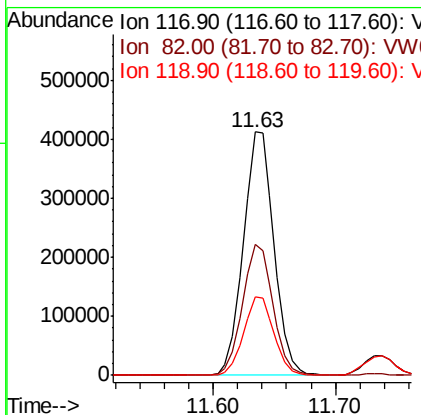
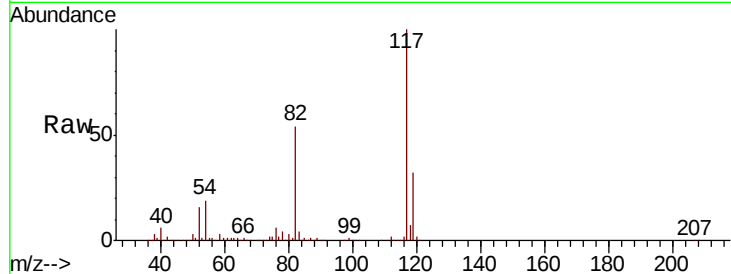
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.3	64.9
119	32.0	25.0	37.6

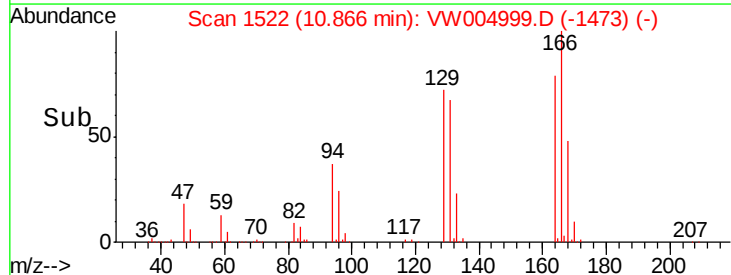
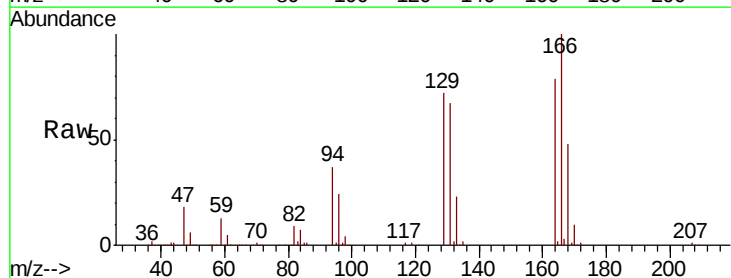
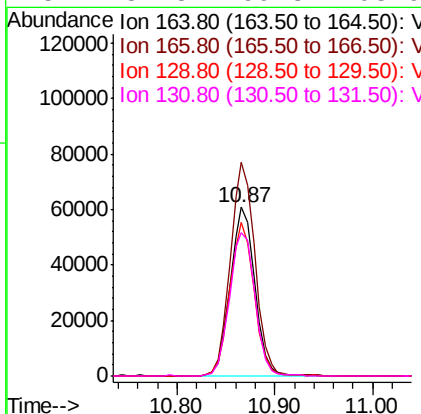
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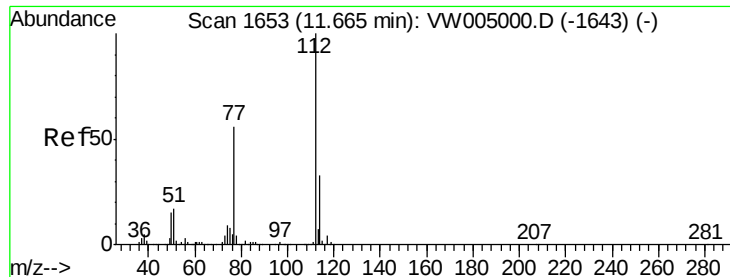
apatel
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#64
Tetrachloroethene
Concen: 20.312 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	99.4	149.0
129	90.9	72.2	108.2
131	84.8	69.3	103.9





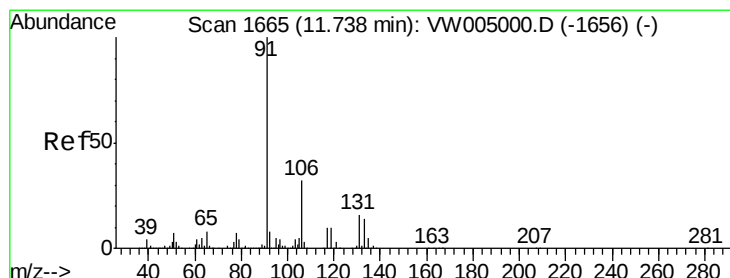
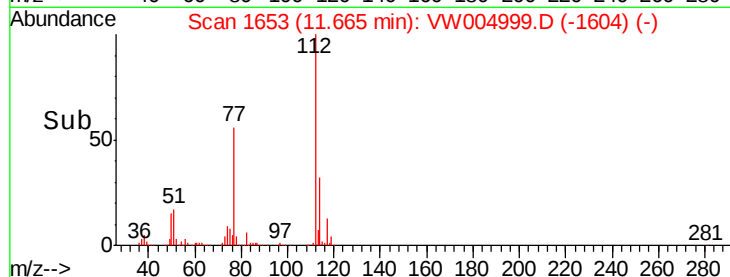
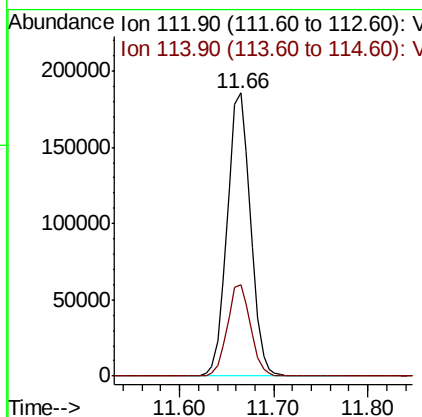
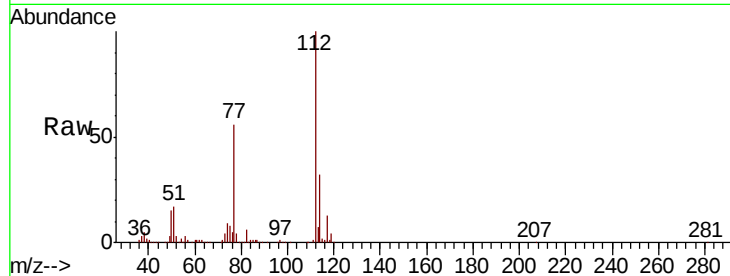
#65
Chlorobenzene
Concen: 20.268 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.1	39.1

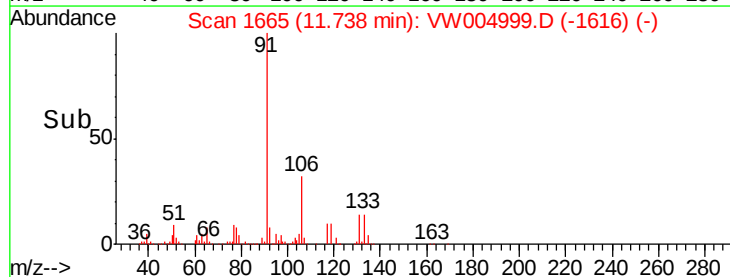
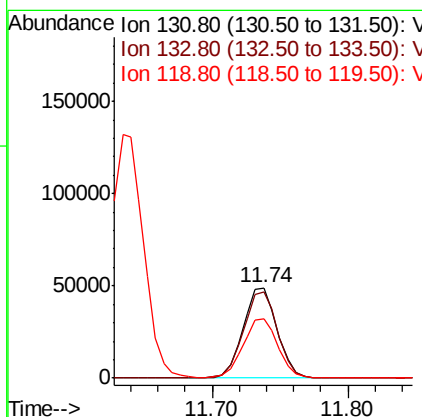
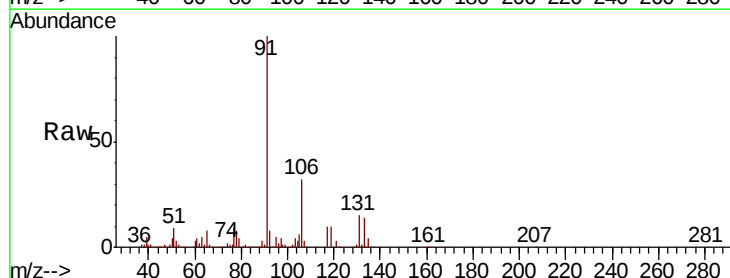
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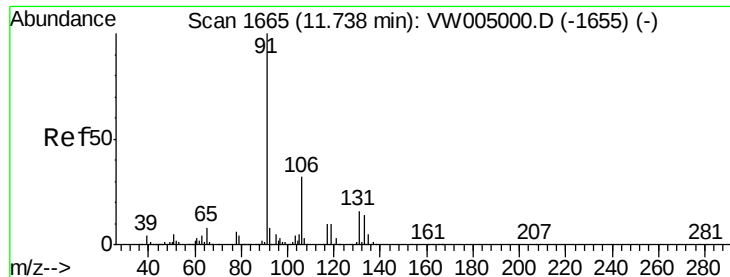
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.678 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.4	142.3
119	67.4	33.1	99.3





#67

Ethyl Benzene

Concen: 20.026 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 539357

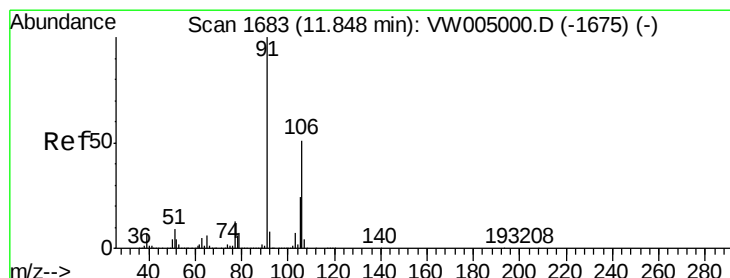
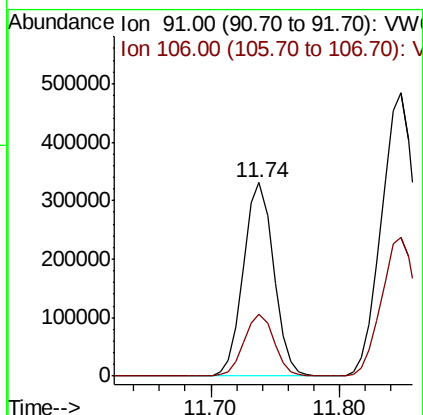
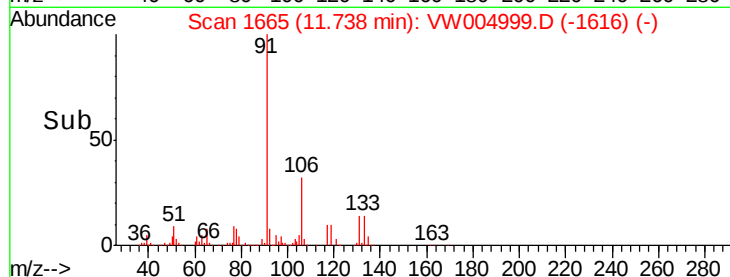
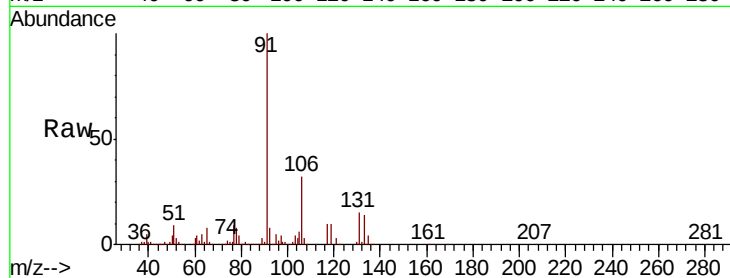
Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.2

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#68

m/p-Xylenes

Concen: 40.951 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004999.D

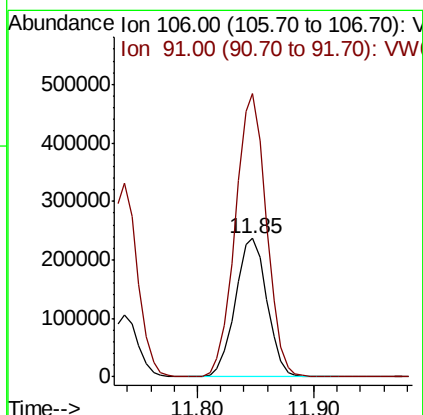
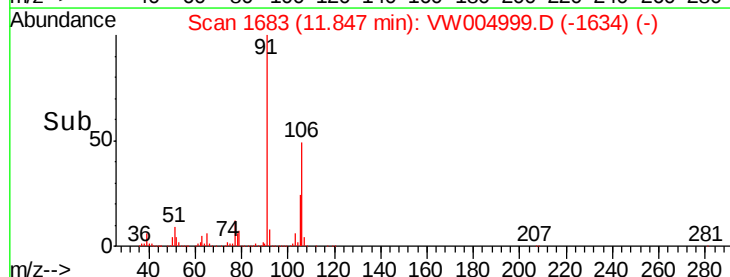
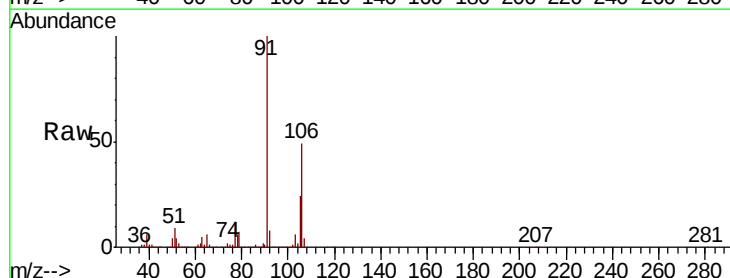
Acq: 29 Aug 2018 13:02

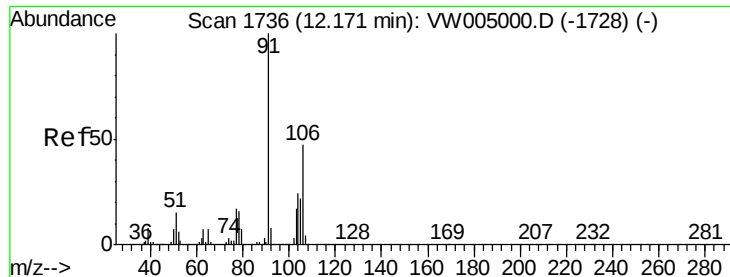
Tgt Ion: 106 Resp: 449849

Ion Ratio Lower Upper

106 100

91 200.6 158.4 237.6





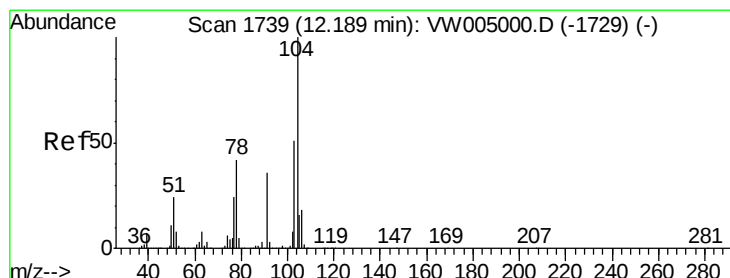
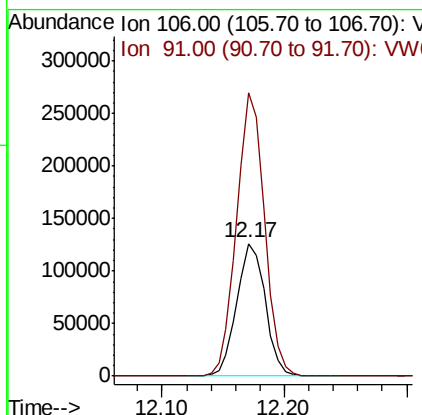
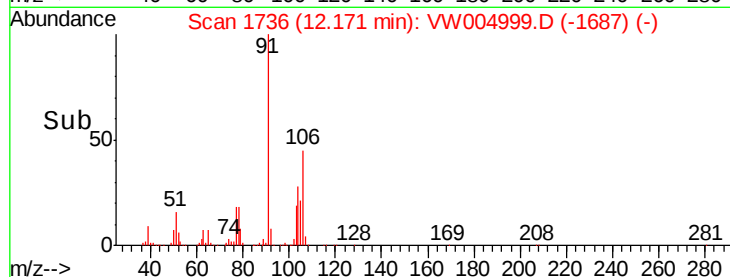
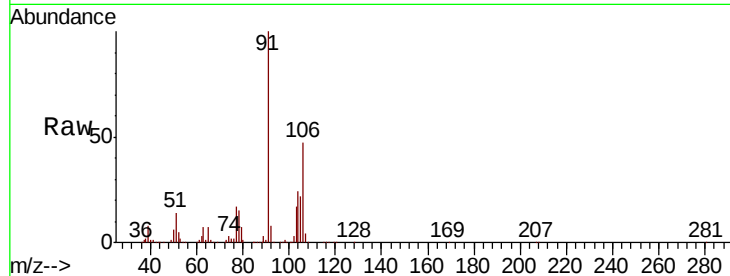
#69
o-Xylene
Concen: 20.267 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 203437
Ion Ratio Lower Upper
106 100
91 209.4 104.4 313.1

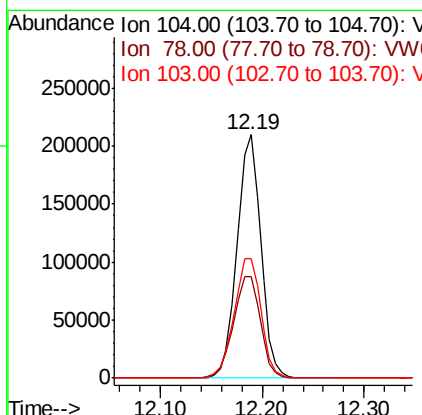
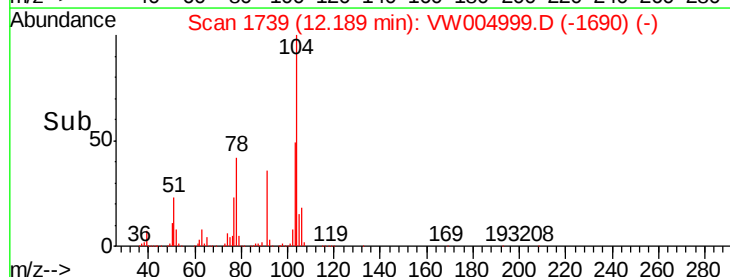
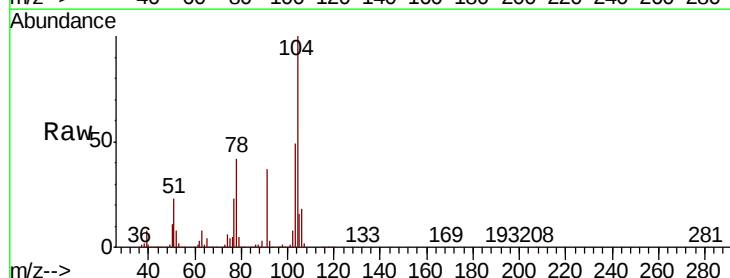
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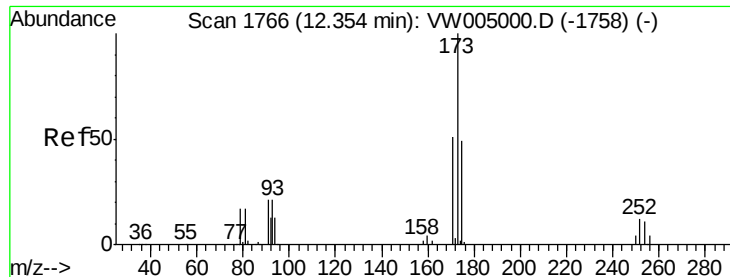
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#70
Styrene
Concen: 20.273 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion:104 Resp: 337564
Ion Ratio Lower Upper
104 100
78 47.4 37.6 56.4
103 55.3 43.9 65.9





#71

Bromoform

Concen: 18.905 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

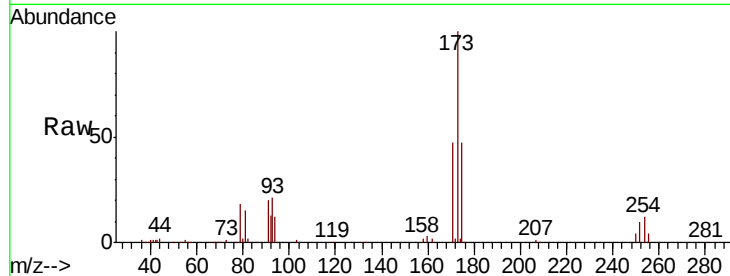
ClientSampleId :

VSTDIC020

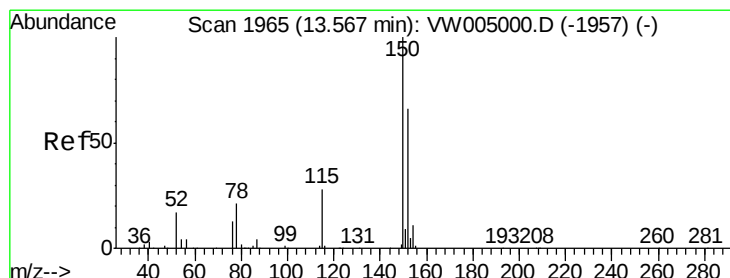
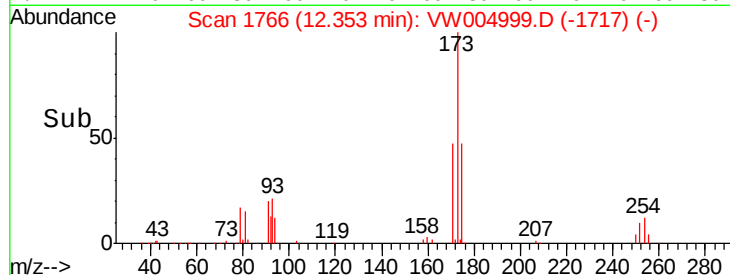
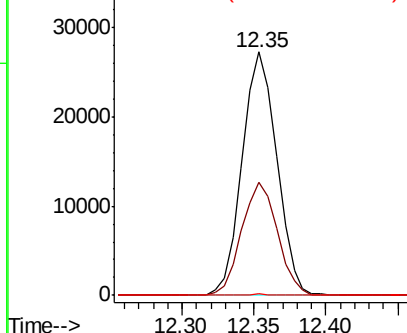
Tot Ion:	173	Resp:	45412
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.3	73.0
254	0.2	0.1	0.1#

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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

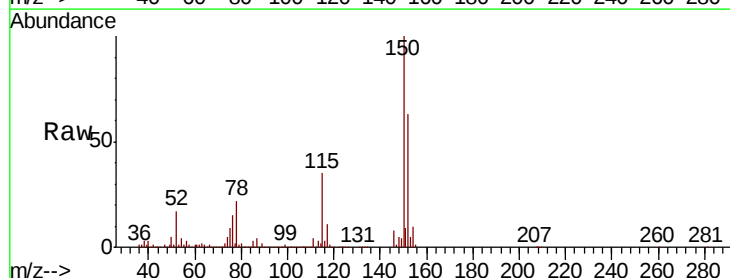
RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

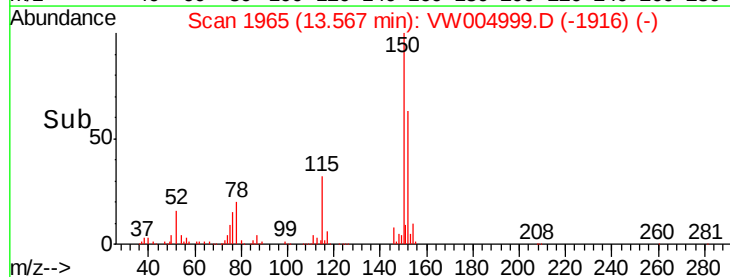
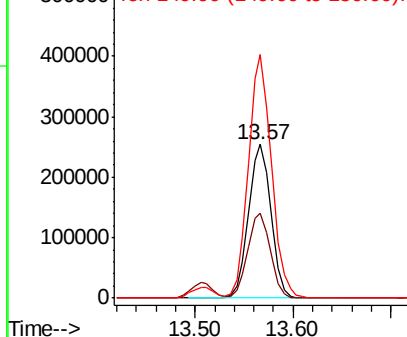
Lab File: VW004999.D

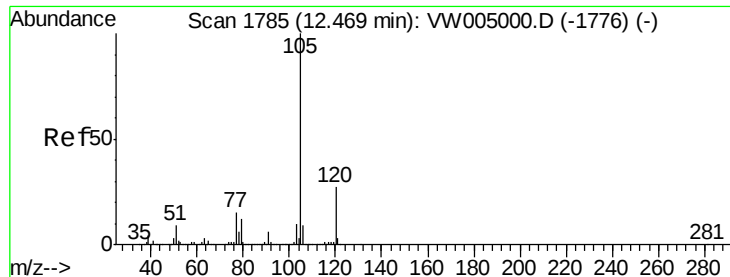
Acq: 29 Aug 2018 13:02

Tgt Ion:	152	Resp:	402410
Ion Ratio	Lower	Upper	
152	100		
115	55.9	28.0	83.9
150	162.9	0.0	347.2



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





#73

Isopropylbenzene

Concen: 20.294 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 544392

Ion Ratio Lower Upper

105 100

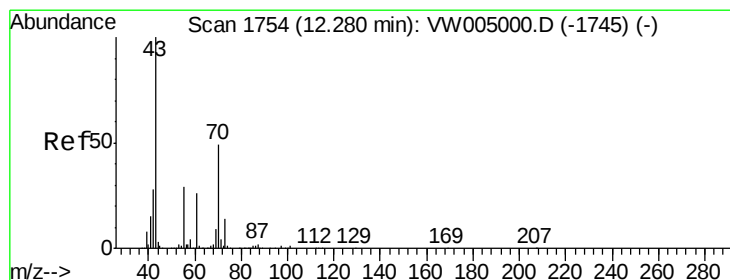
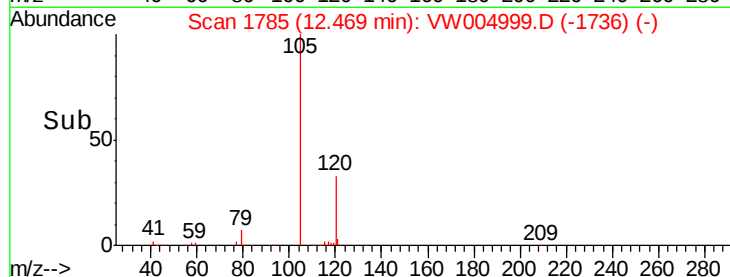
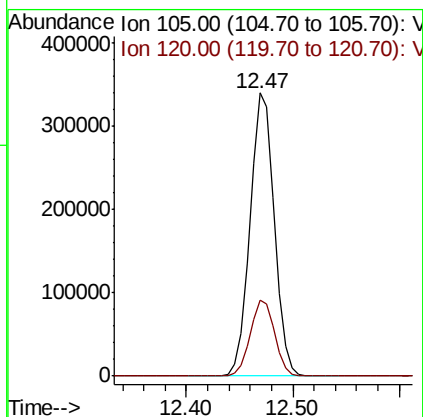
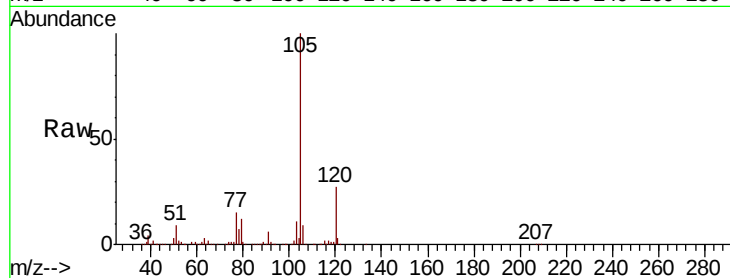
120 27.1 13.4 40.2

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#74

N-ethyl acetate

Concen: 18.817 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tgt Ion: 43 Resp: 95258

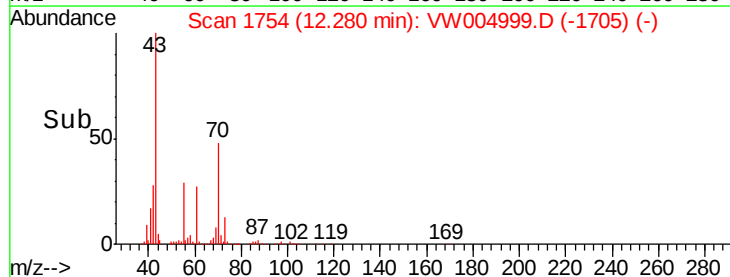
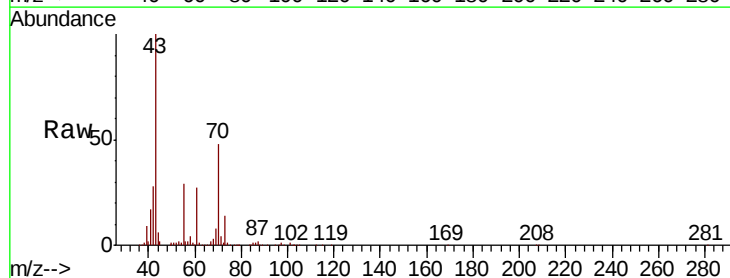
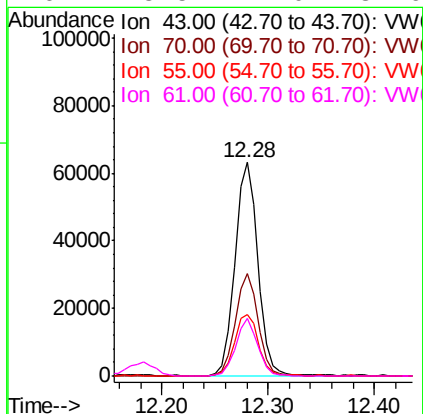
Ion Ratio Lower Upper

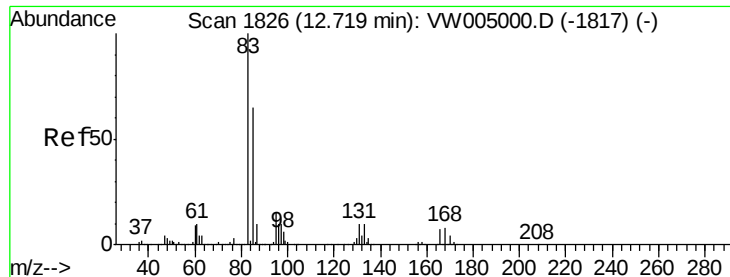
43 100

70 47.9 38.6 57.8

55 30.4 23.6 35.4

61 25.5 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.274 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 83 Resp: 78282

Ion Ratio Lower Upper

83 100

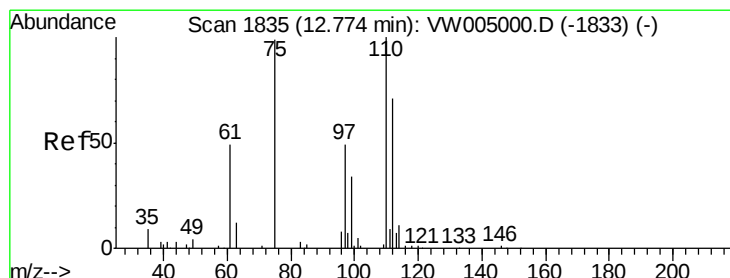
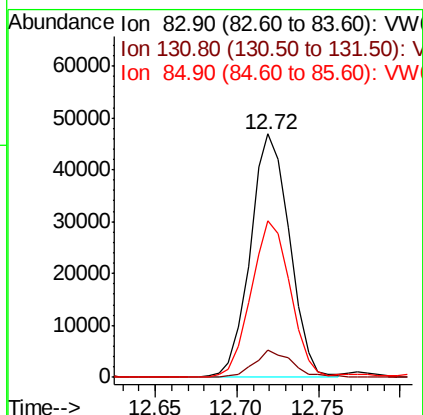
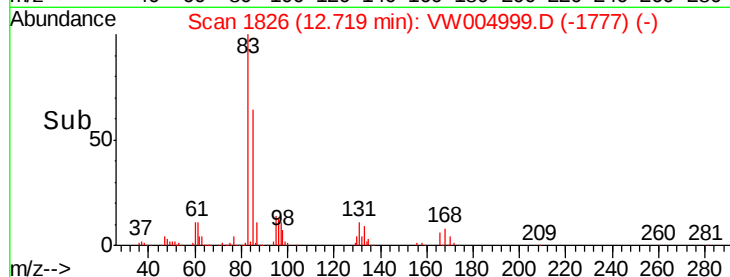
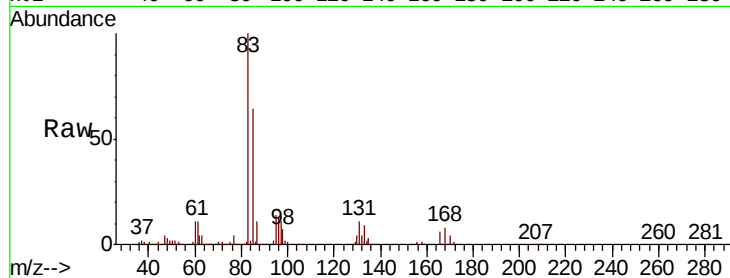
131 11.0 5.5 16.5

85 64.3 31.9 95.9

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#76

1,2,3-Trichloropropane

Concen: 12.852 ug/l m

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004999.D

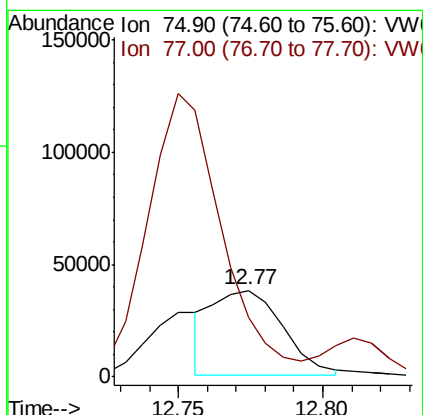
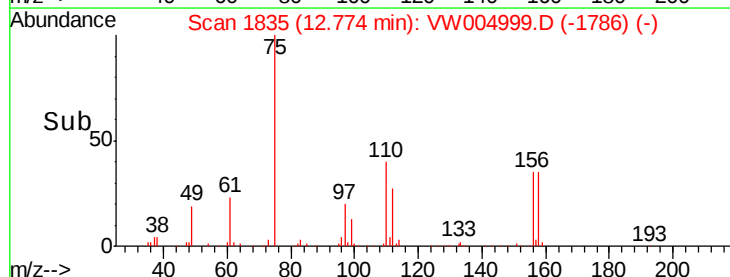
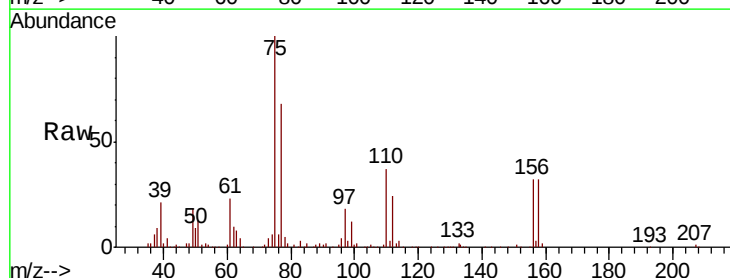
Acq: 29 Aug 2018 13:02

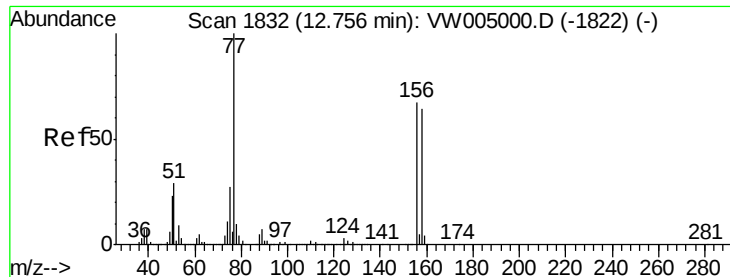
Tgt Ion: 75 Resp: 64560

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.184 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

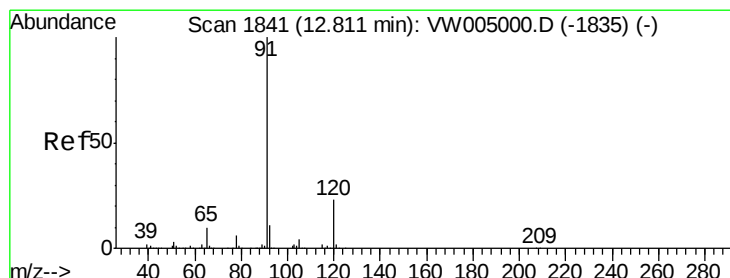
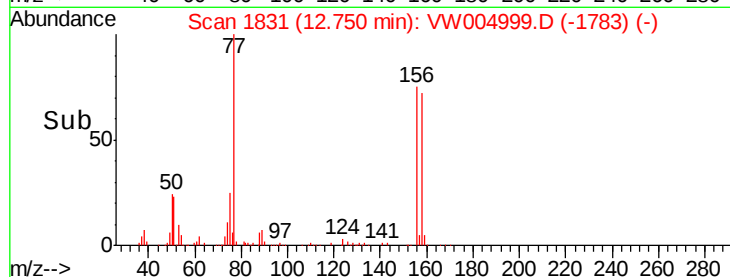
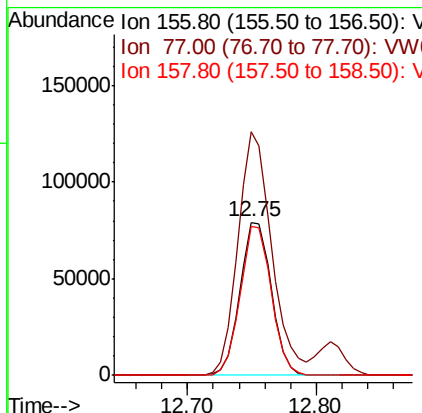
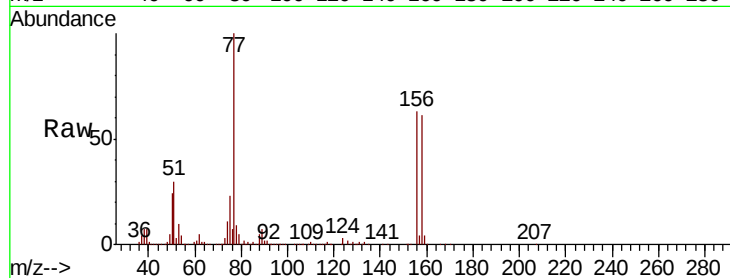
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	132849
Ion Ratio	Lower	Upper	
156	100		
77	171.6	86.9	260.6
158	96.5	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.511 ug/l

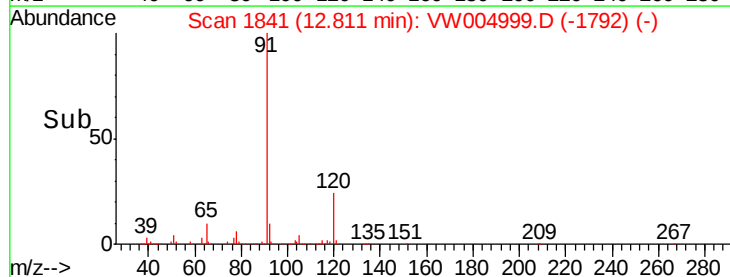
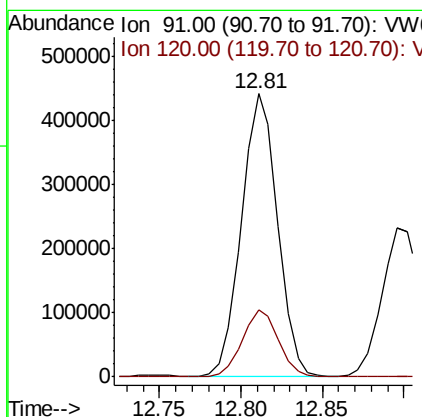
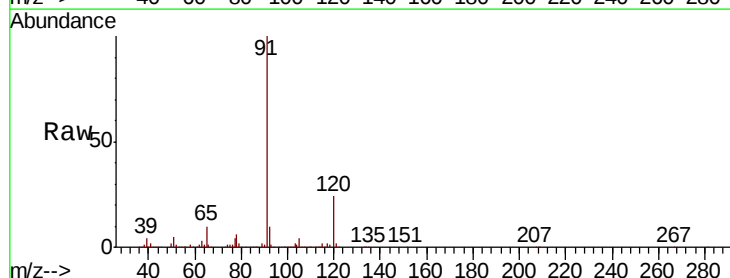
RT: 12.81 min Scan# 1841

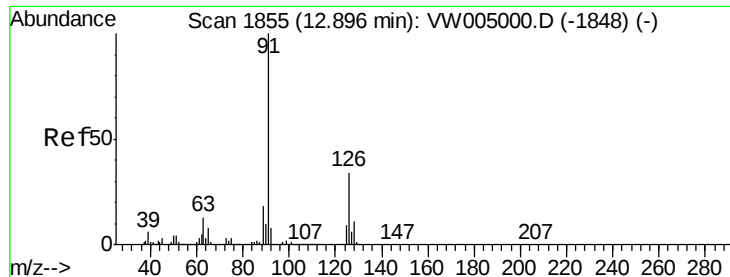
Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tgt Ion:	91	Resp:	678687
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.396 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 389798

Ion Ratio Lower Upper

91 100

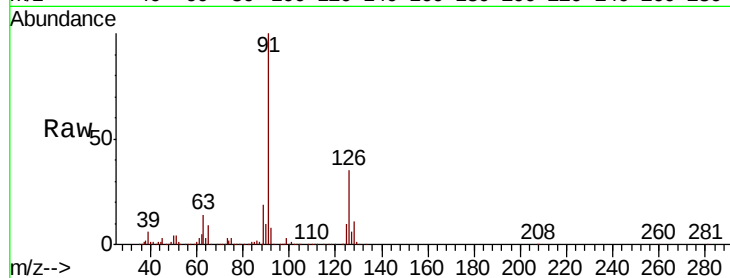
126 35.3 17.3 52.0

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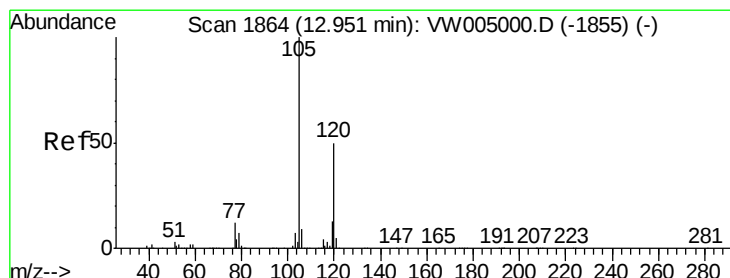
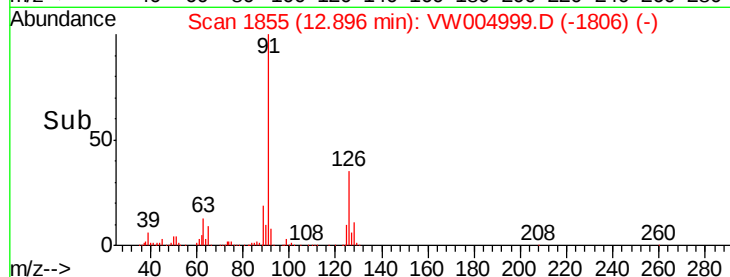
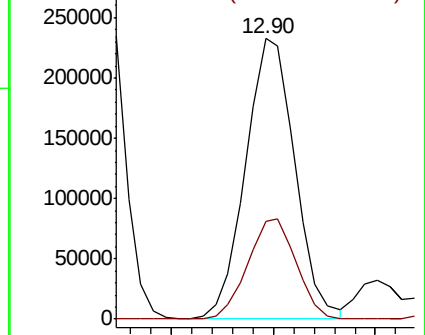
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.681 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004999.D

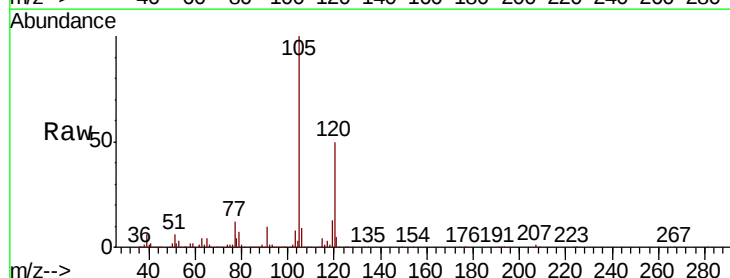
Acq: 29 Aug 2018 13:02

Tgt Ion: 105 Resp: 490149

Ion Ratio Lower Upper

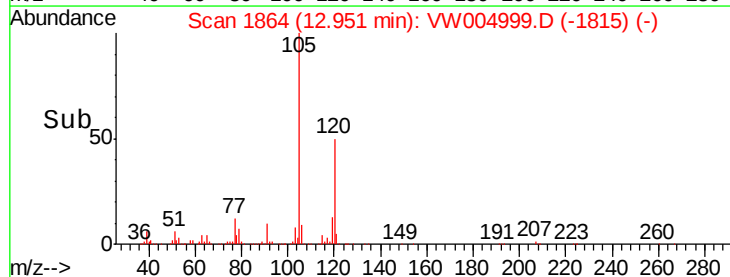
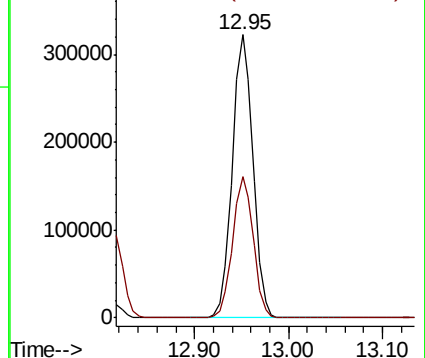
105 100

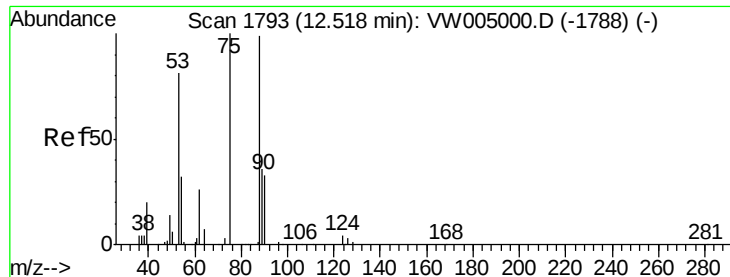
120 49.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.379 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

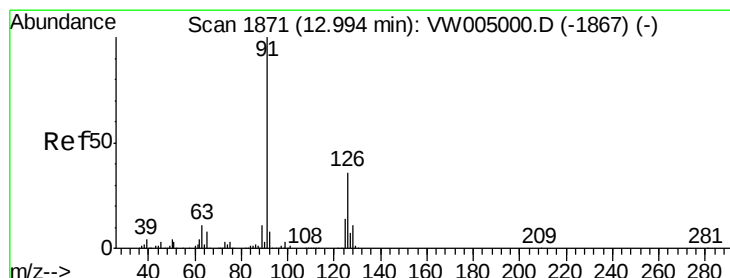
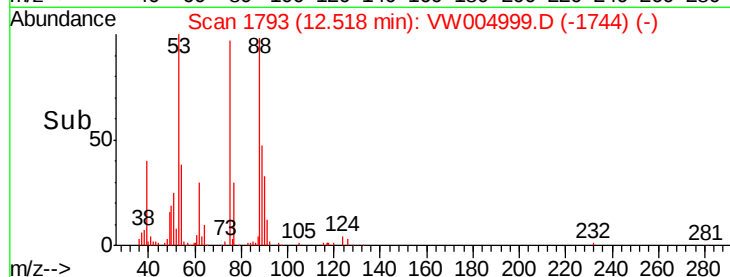
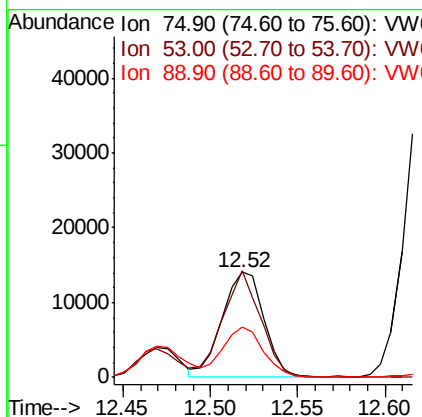
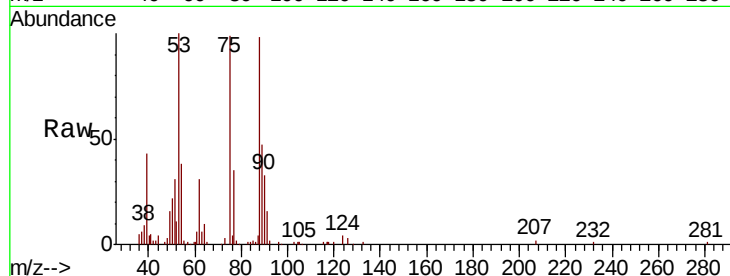
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	23177
Ion	Ratio	Lower	Upper
75	100		
53	94.2	67.4	101.2
89	47.1	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.757 ug/l

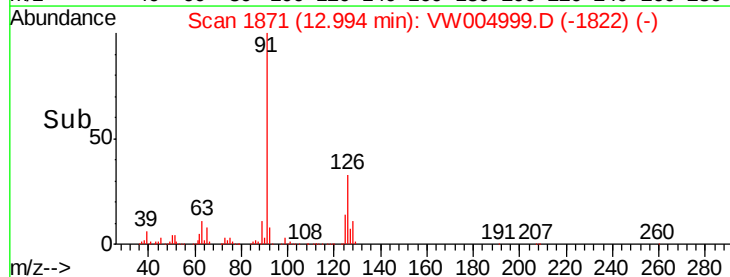
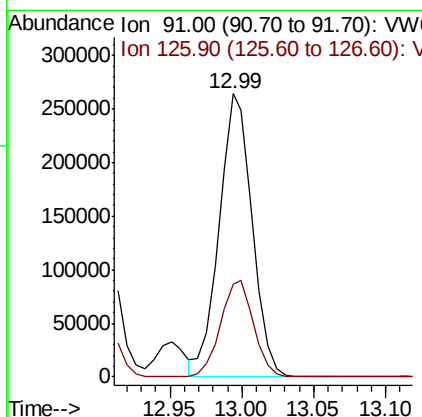
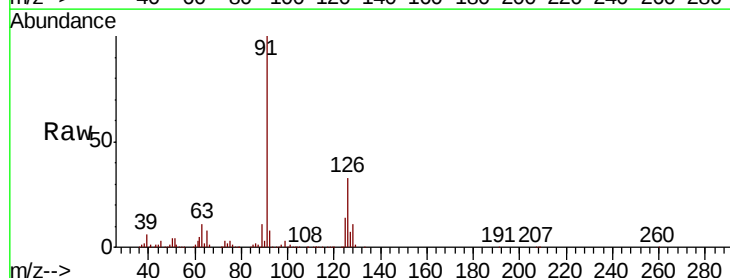
RT: 12.99 min Scan# 1871

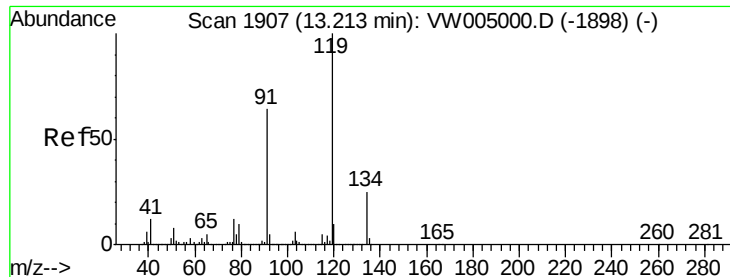
Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Tgt Ion:	91	Resp:	422659
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.5	52.5





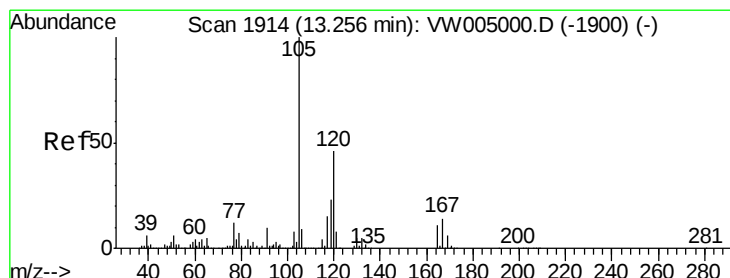
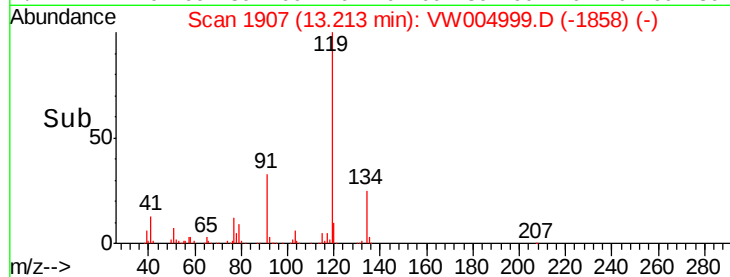
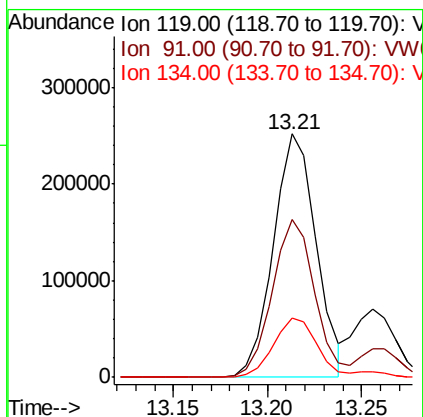
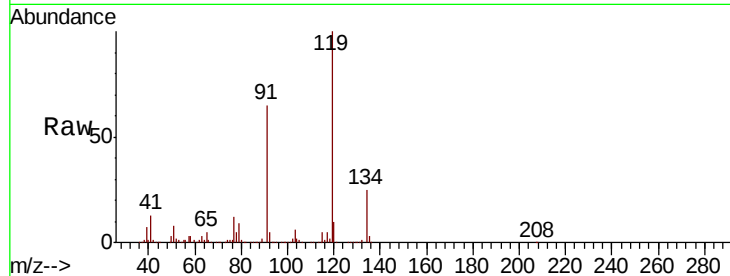
#83
tert-Butylbenzene
Concen: 19.974 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	31.9	95.5
134	26.6	13.2	39.5

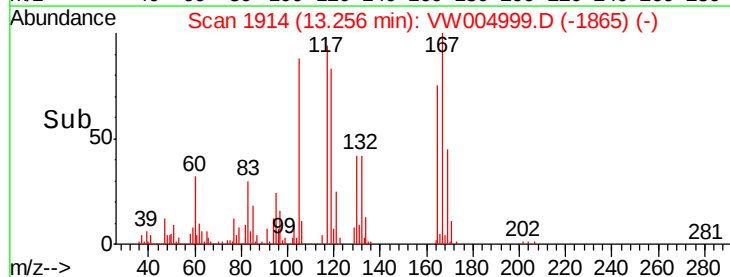
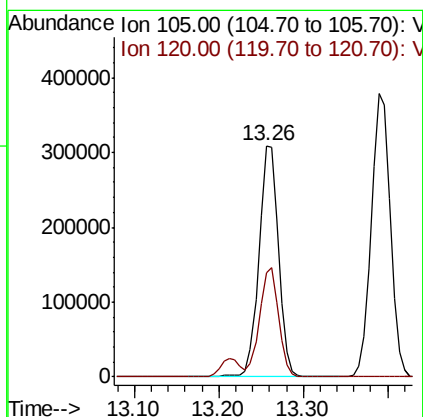
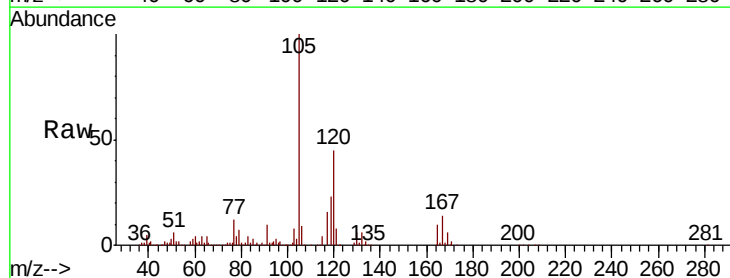
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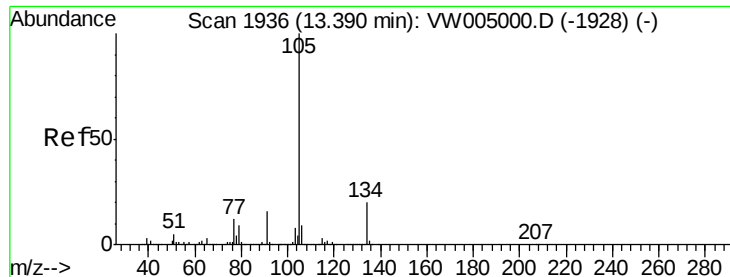
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#84
1,2,4-Trimethylbenzene
Concen: 20.467 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.327 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 593971

Ion Ratio Lower Upper

105 100

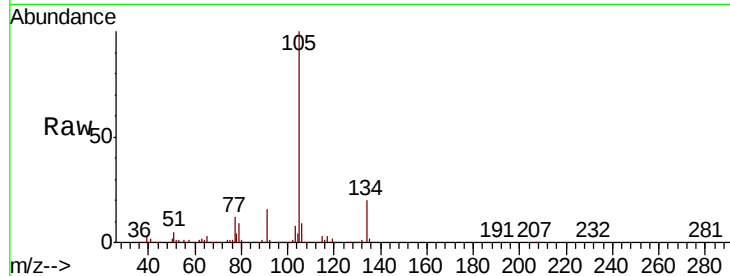
134 20.3 10.1 30.3

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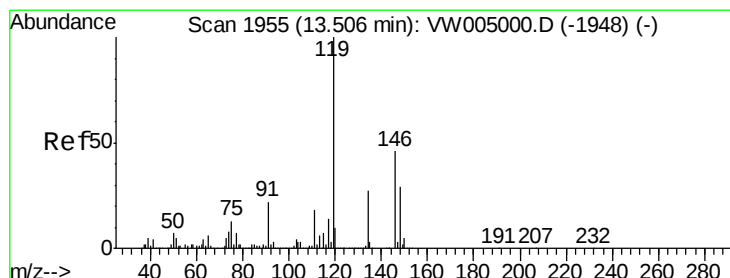
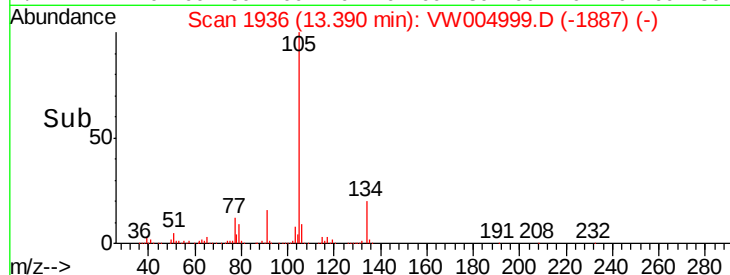
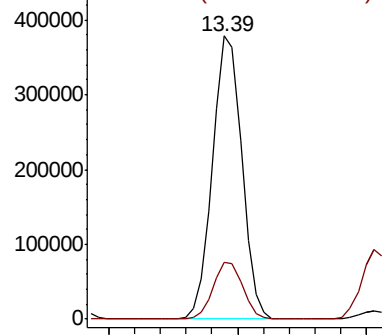
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.359 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004999.D

Acq: 29 Aug 2018 13:02

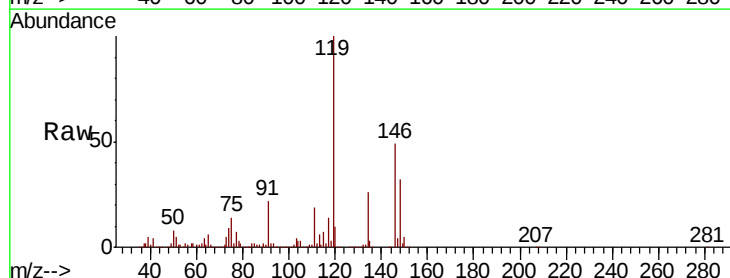
Tgt Ion:119 Resp: 532974

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

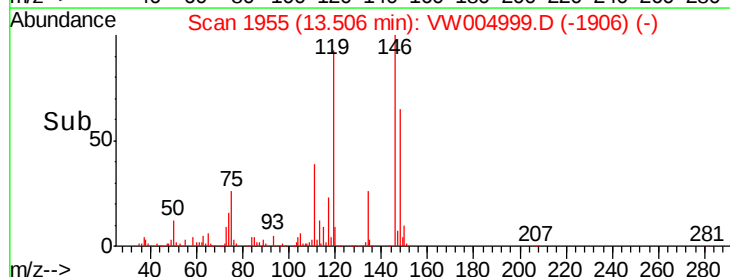
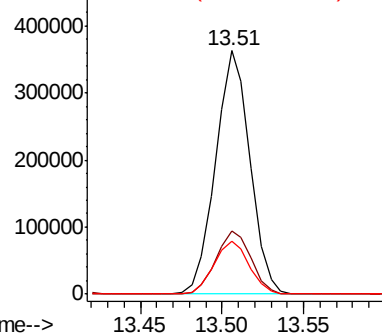
91 22.1 10.9 32.9

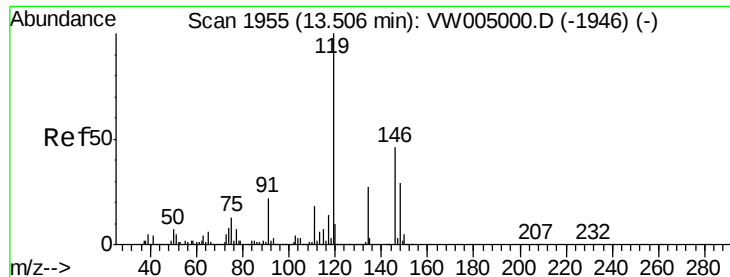


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





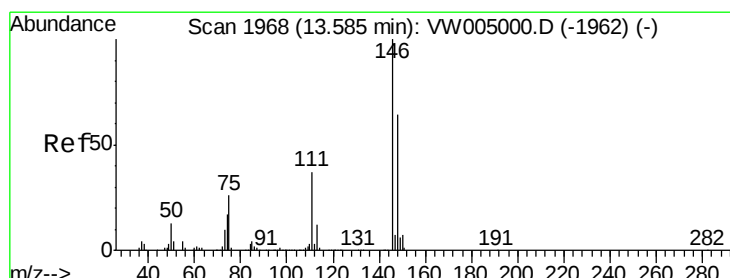
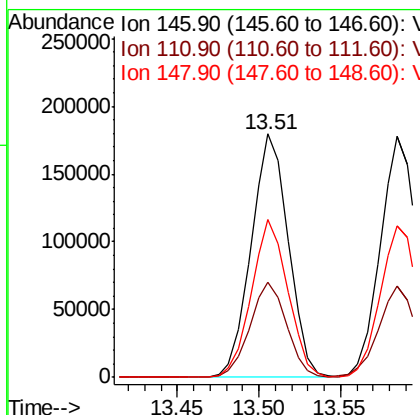
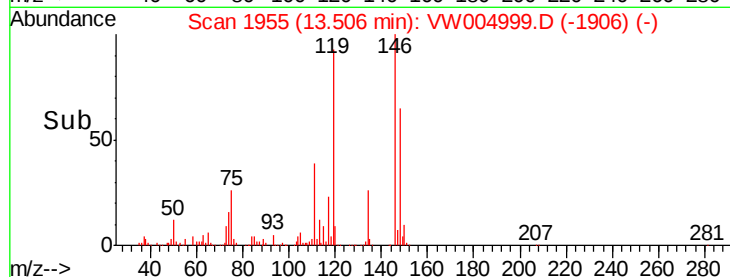
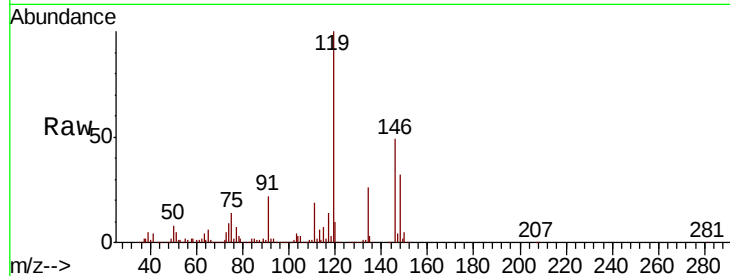
#87
 1,3-Dichlorobenzene
 Concen: 20.432 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	285091		
111	38.4	19.3	57.8	
148	63.6	31.6	94.7	

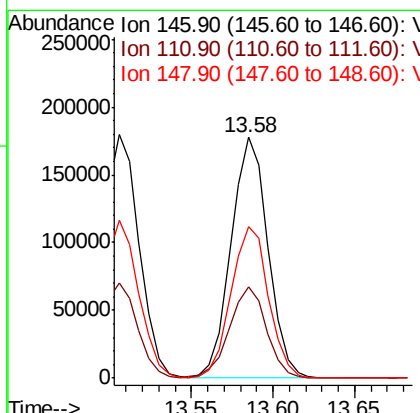
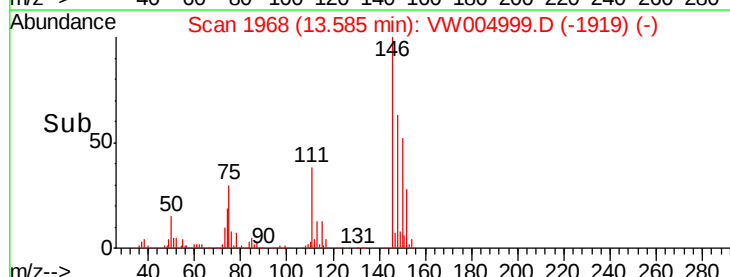
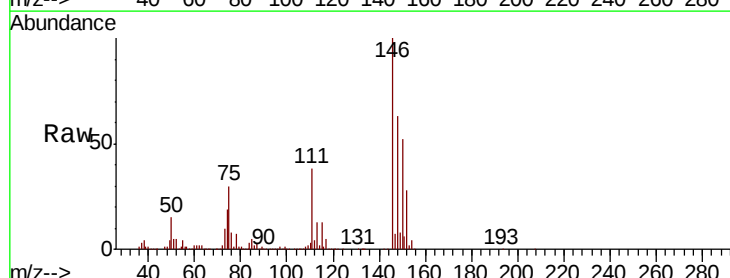
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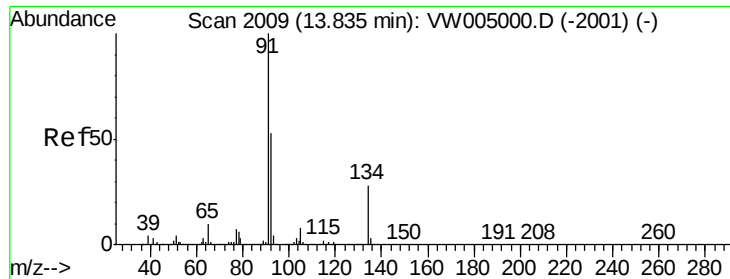
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#88
 1,4-Dichlorobenzene
 Concen: 20.253 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	279911		
111	38.3	18.7	56.1	
148	63.9	31.7	95.1	





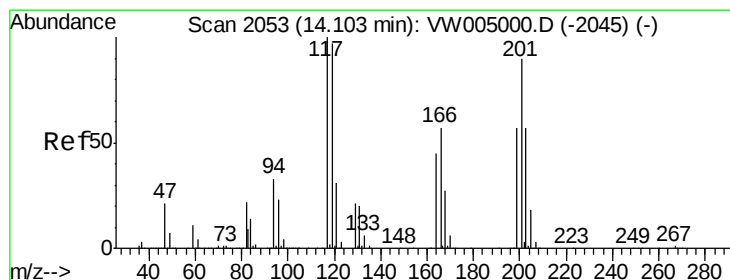
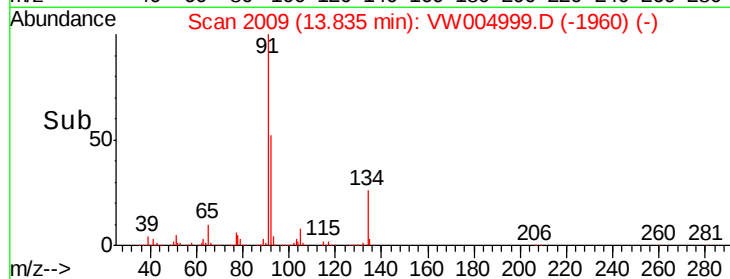
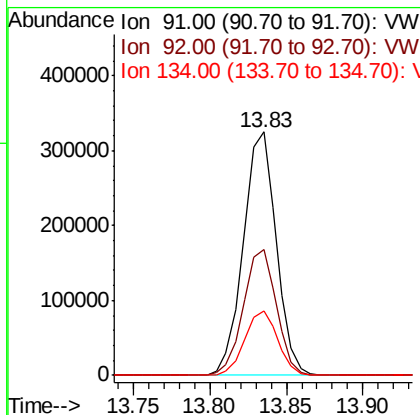
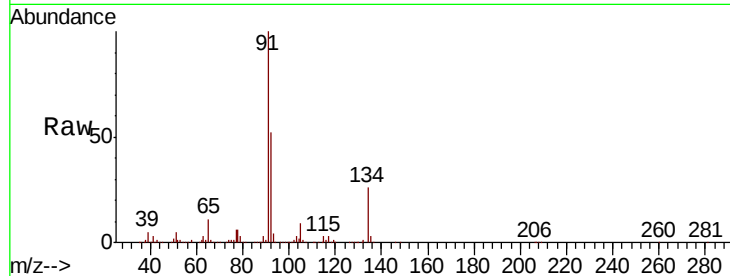
#89
n-Butylbenzene
Concen: 19.758 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.5	79.4
134	26.4	13.4	40.1

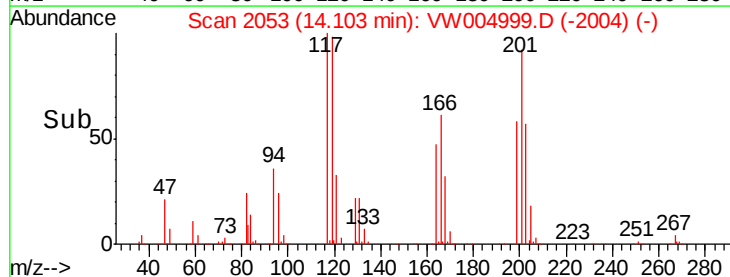
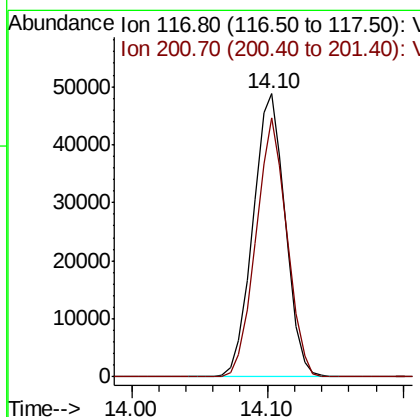
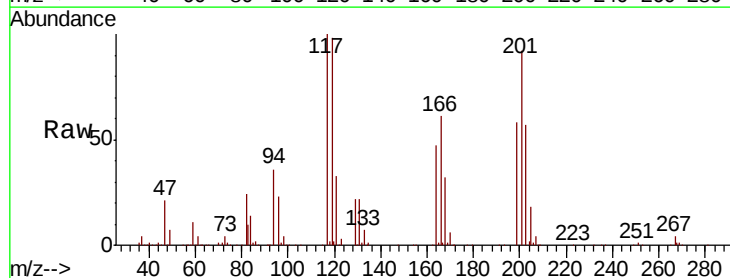
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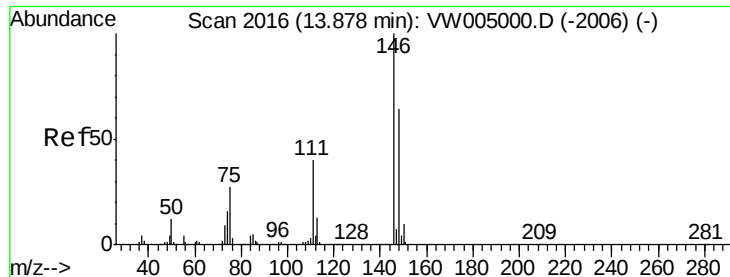
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#90
Hexachloroethane
Concen: 19.668 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	44.3	132.8





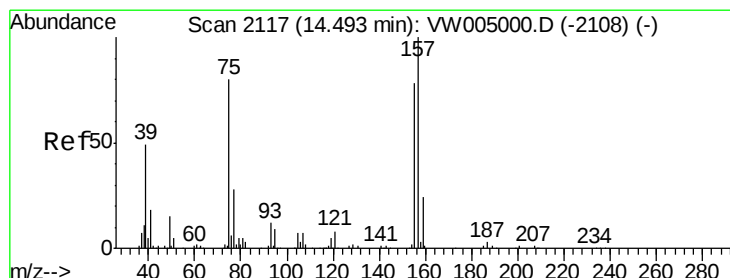
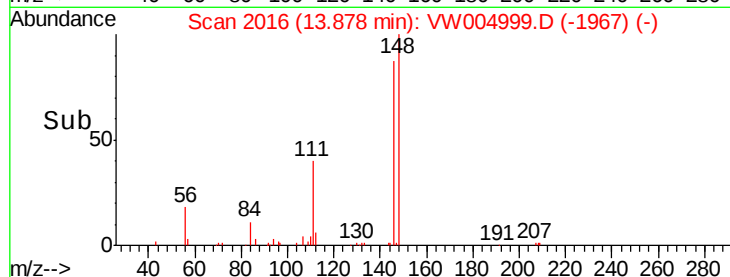
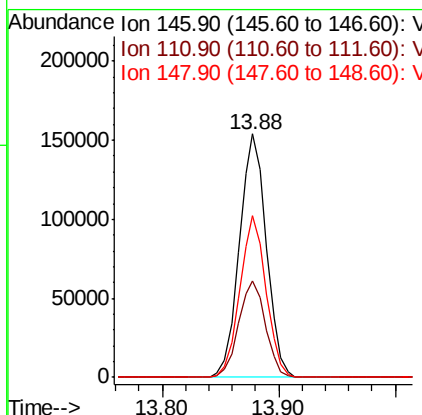
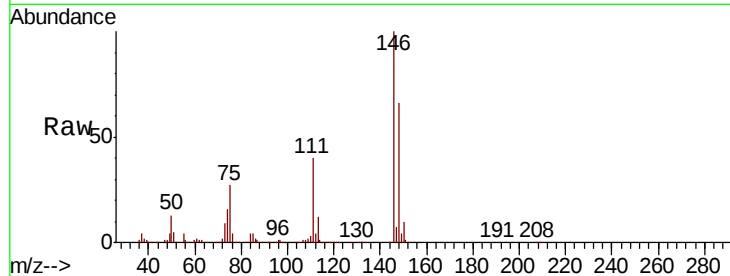
#91
 1,2-Dichlorobenzene
 Concen: 20.155 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	146	Resp:	247551
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.9	59.7
148	64.6	31.9	95.7

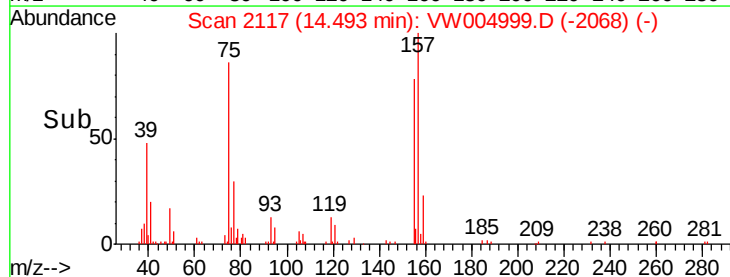
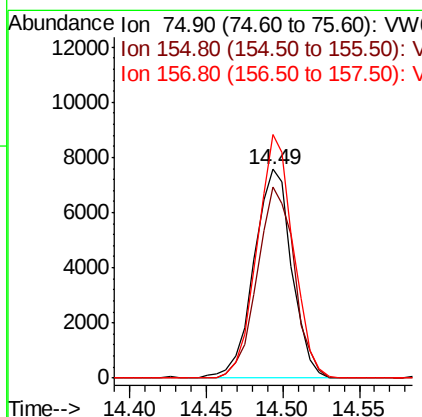
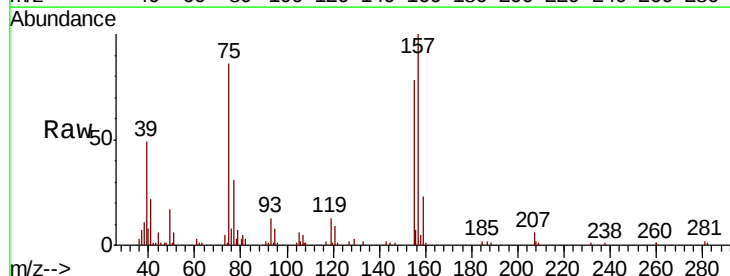
Manual Integrations
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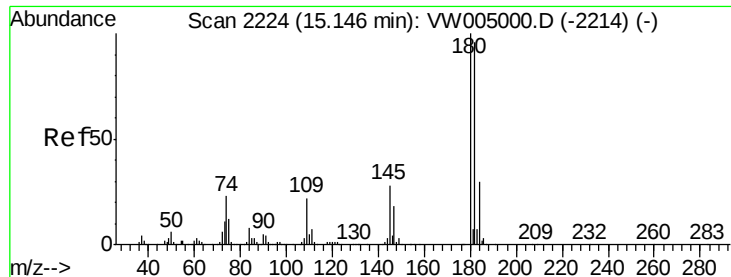
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.533 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion:	75	Resp:	13001
Ion Ratio	Lower	Upper	
75	100		
155	89.9	46.1	138.2
157	111.1	58.7	176.1





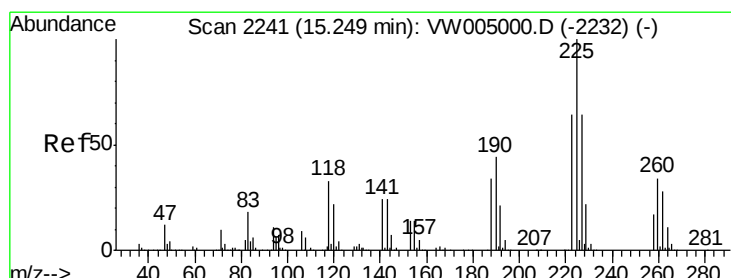
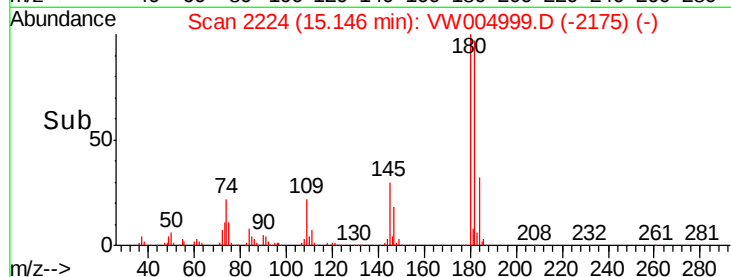
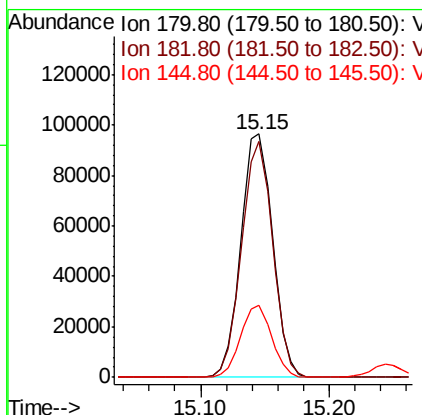
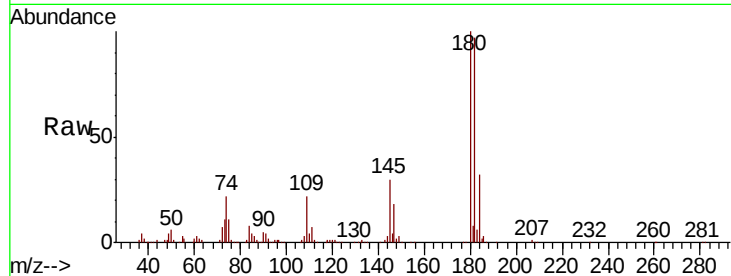
#93
 1,2,4-Trichlorobenzene
 Concen: 19.108 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	164418
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.6	142.8
145	29.2	14.3	42.9

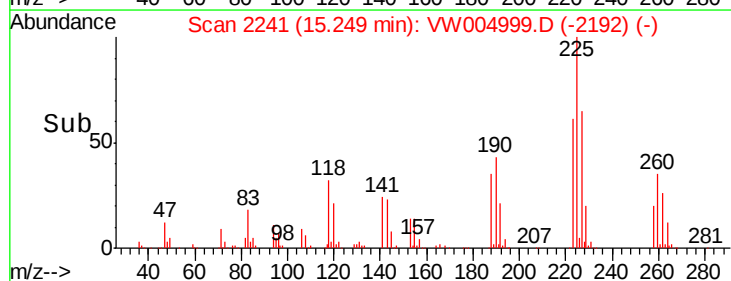
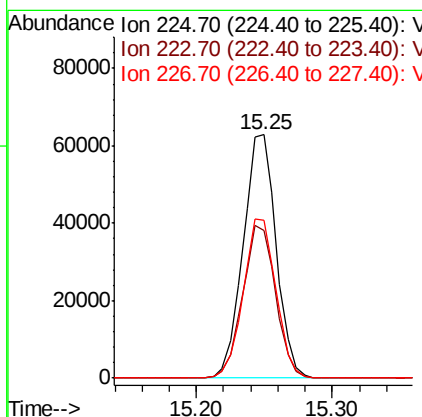
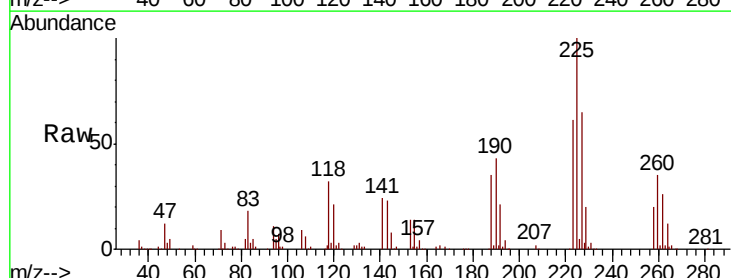
Manual Integrations
 APPROVED

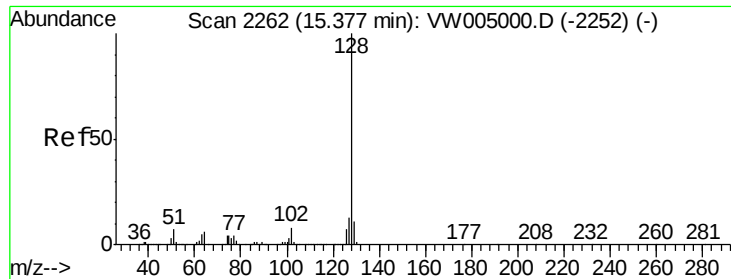
apatel
 8/30/2018 12:42:16 PM



#94
 Hexachlorobutadiene
 Concen: 19.837 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004999.D
 Acq: 29 Aug 2018 13:02

Tgt Ion:	225	Resp:	106849
Ion Ratio	Lower	Upper	
225	100		
223	62.4	32.0	96.0
227	64.8	31.9	95.7





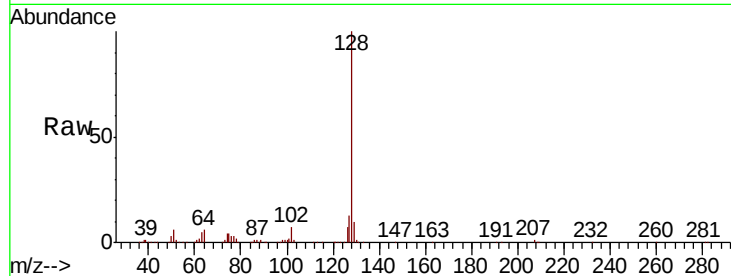
#95
Naphthalene
Concen: 17.975 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

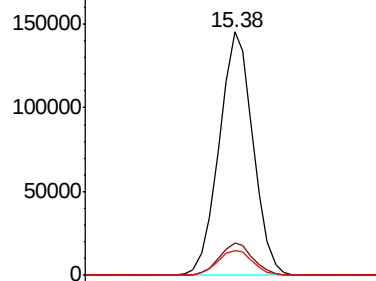
Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		253751		
127	13.4	10.5	15.7		
129	10.7	8.7	13.1		

Manual Integrations
APPROVED

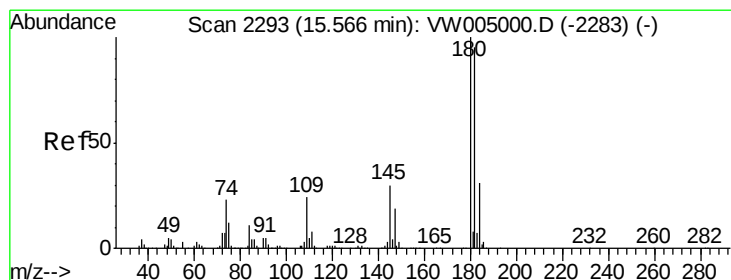
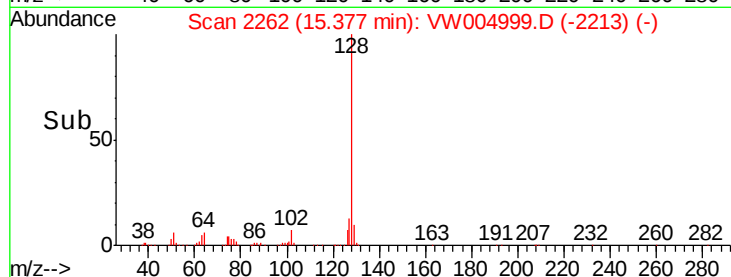
apatel
8/30/2018 12:42:16 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

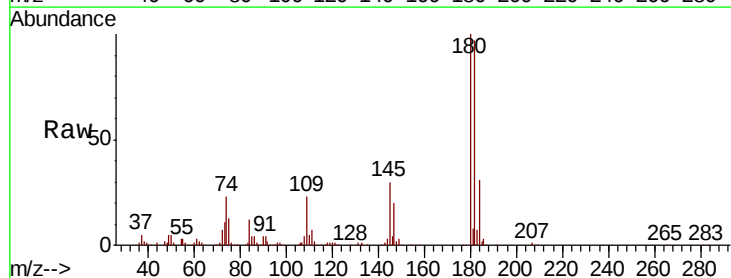


Time-->

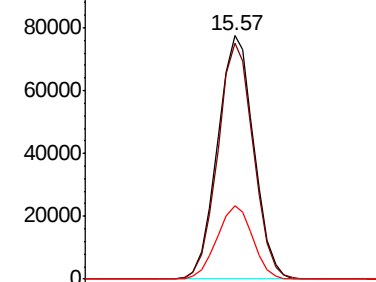


#96
1,2,3-Trichlorobenzene
Concen: 18.980 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004999.D
Acq: 29 Aug 2018 13:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		144282		
182	95.4	47.6	142.8		
145	29.8	15.1	45.3		



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

