

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080618\
 Data File : VW004479.D
 Acq On : 06 Aug 2018 19:35
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/7/2018 4:49:06 PM

Quant Time: Aug 07 08:12:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:40:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	783776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1210751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1136963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	604647	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	445099	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	7.88	113	420363	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	10.33	98	1634591	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
62) 4-Bromofluorobenzene	12.62	95	593463	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	264642	83.31	ug/l	100
3) Chloromethane	2.21	50	355073	70.85	ug/l	100
4) Vinyl Chloride	2.37	62	494721	60.98	ug/l	100
5) Bromomethane	2.78	94	290967	55.76	ug/l	100
6) Chloroethane	2.92	64	308772	60.92	ug/l	100
7) Trichlorofluoromethane	3.25	101	192617	43.04	ug/l	100
8) Diethyl Ether	3.67	74	235402	55.82	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	418795	52.56	ug/l	100
10) Methyl Iodide	4.27	142	625968	52.75	ug/l	100
11) Tert butyl alcohol	5.21	59	117577	204.61	ug/l	100
12) 1,1-Dichloroethene	4.03	96	411712	51.96	ug/l	100
13) Acrolein	3.89	56	150118	283.45	ug/l	100
14) Allyl chloride	4.66	41	648605	51.67	ug/l	100
15) Acrylonitrile	5.37	53	539368	293.44	ug/l	100
16) Acetone	4.14	43	505565	277.04	ug/l	100
17) Carbon Disulfide	4.38	76	1342653	54.77	ug/l	100
18) Methyl Acetate	4.67	43	260038	54.51	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	613293	45.02	ug/l	100
20) Methylene Chloride	4.91	84	516490	58.57	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	460321	54.09	ug/l	100
22) Diisopropyl ether	6.31	45	1385655	57.55	ug/l	100
23) Vinyl Acetate	6.26	43	4240805	300.95	ug/l	100
24) 1,1-Dichloroethane	6.21	63	840086	54.00	ug/l	100
25) 2-Butanone	7.18	43	867272	365.61	ug/l	100
26) 2,2-Dichloropropane	7.17	77	424226	48.27	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	499127	57.30	ug/l	100
28) Bromochloromethane	7.51	49	358420	63.33	ug/l	100
29) Tetrahydrofuran	7.54	42	463832	318.01	ug/l	100
30) Chloroform	7.68	83	818025	55.17	ug/l	100
31) Cyclohexane	7.96	56	794945	57.57	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	612091	51.00	ug/l	100
36) 1,1-Dichloropropene	8.08	75	667758	54.51	ug/l	100
37) Ethyl Acetate	7.26	43	302964	59.66	ug/l	100
38) Carbon Tetrachloride	8.07	117	587019	49.12	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	849491	57.07	ug/l	100
40) Benzene	8.32	78	1926427	55.65	ug/l	100
41) Methacrylonitrile	7.49	41	175211	60.30	ug/l	100
42) 1,2-Dichloroethane	8.40	62	525137	53.35	ug/l	100
43) Isopropyl Acetate	8.43	43	543529	59.61	ug/l	100
44) Trichloroethene	9.09	130	471709	51.02	ug/l	100
45) 1,2-Dichloropropane	9.37	63	483843	56.30	ug/l	100
46) Dibromomethane	9.46	93	244753	55.64	ug/l	100
47) Bromodichloromethane	9.65	83	579766	52.64	ug/l	100
48) Methyl methacrylate	9.44	41	261933	56.86	ug/l	100
49) 1,4-Dioxane	9.47	88	75561	1130.28	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	1933278	364.12	ug/l	100
52) Toluene	10.39	92	1150768	53.32	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	593047	53.76	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	697701	54.21	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	344985	55.22	ug/l	100
56) Ethyl methacrylate	10.65	69	450665	59.34	ug/l	100
57) 1,3-Dichloropropane	10.94	76	603189	56.48	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1104290	317.71	ug/l	100
59) 2-Hexanone	10.98	43	1317275	362.52	ug/l	100
60) Dibromochloromethane	11.13	129	383850	51.75	ug/l	100
61) 1,2-Dibromoethane	11.24	107	328471	55.03	ug/l	100
64) Tetrachloroethene	10.87	164	393862	47.61	ug/l	100
65) Chlorobenzene	11.66	112	1246055	52.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	427383	50.55	ug/l	100
67) Ethyl Benzene	11.74	91	2223559	53.06	ug/l	100
68) m/p-Xylenes	11.85	106	1708993	106.27	ug/l	100
69) o-Xylene	12.17	106	805654	54.17	ug/l	100
70) Styrene	12.19	104	1379008	54.67	ug/l	100
71) Bromoform	12.35	173	237192	50.17	ug/l	100
73) Isopropylbenzene	12.47	105	2205527	52.29	ug/l	100
74) N-amyl acetate	12.28	43	529857	57.19	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	440604	58.29	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	303336m	55.51	ug/l	
77) Bromobenzene	12.75	156	516525	50.90	ug/l	100
78) n-propylbenzene	12.81	91	2744780	53.53	ug/l	100
79) 2-Chlorotoluene	12.90	91	1555242	52.94	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1904516	52.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	134047	55.64	ug/l	100
82) 4-Chlorotoluene	12.99	91	1652051	52.85	ug/l	100
83) tert-Butylbenzene	13.21	119	1605746	53.17	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1968114	53.02	ug/l	100
85) sec-Butylbenzene	13.39	105	2390522	54.12	ug/l	100
86) p-Isopropyltoluene	13.51	119	2099695	53.09	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1056696	51.73	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1036047	50.86	ug/l	100
89) n-Butylbenzene	13.83	91	2055834	55.15	ug/l	100
90) Hexachloroethane	14.10	117	365262	51.66	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	956339	52.22	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	69918	53.42	ug/l	100

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ClientSampleId :
VSTDICCC050

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	668187	52.03	ug/l	100
94) Hexachlorobutadiene	15.24	225	385013	49.32	ug/l	100
95) Naphthalene	15.38	128	1302946	57.90	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	602417	53.23	ug/l	100

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

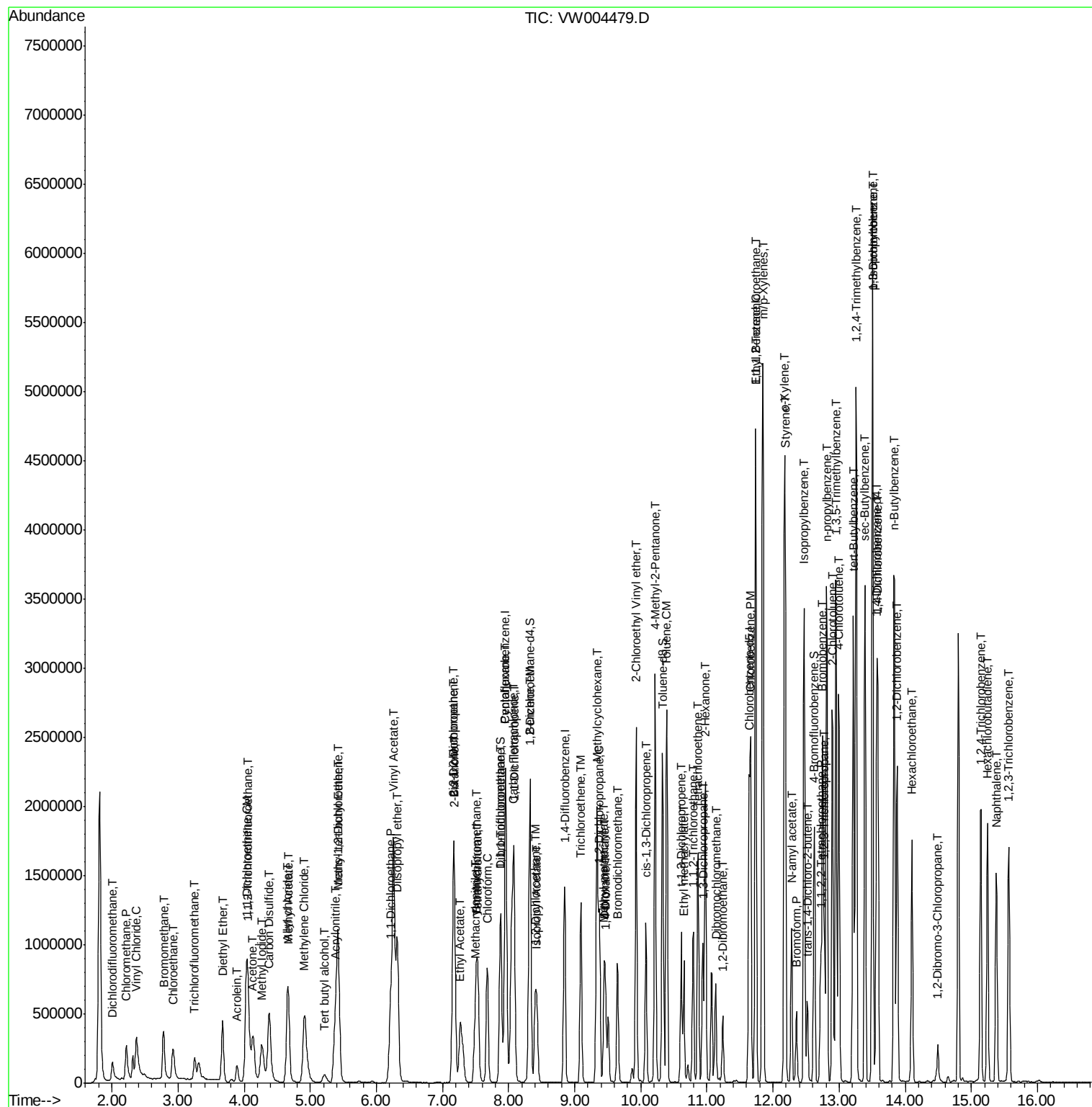
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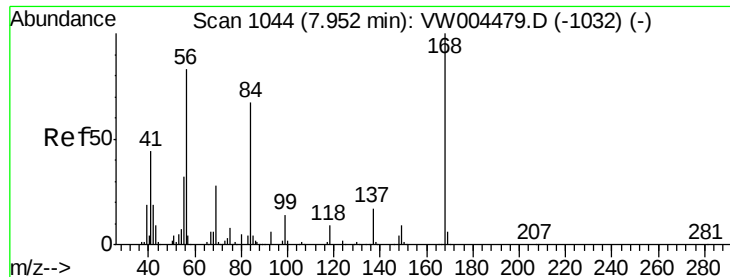
Instrument :
MSVOA_W
Client Sampled :
VSTDICCC050

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 07:40:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 783776

Ion Ratio Lower Upper

168 100

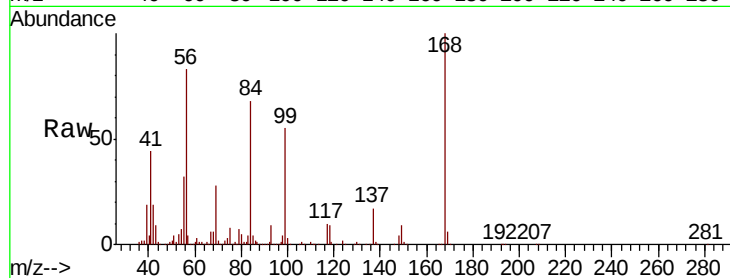
99 55.1 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

300000

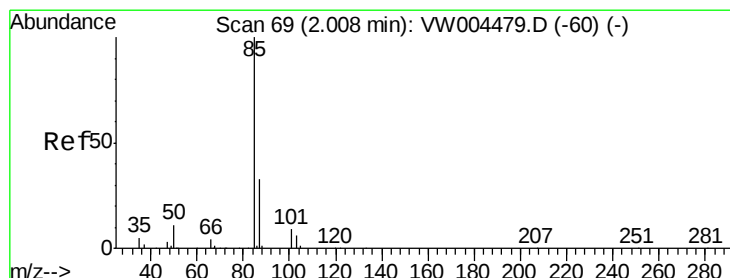
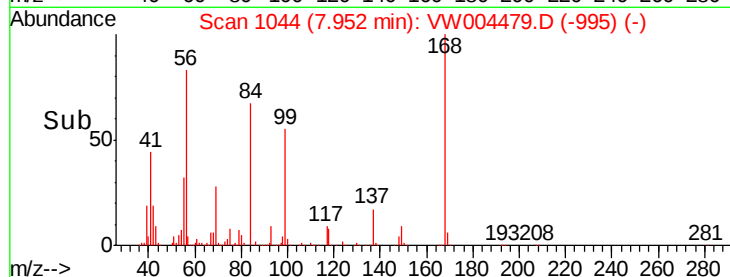
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 83.31 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004479.D

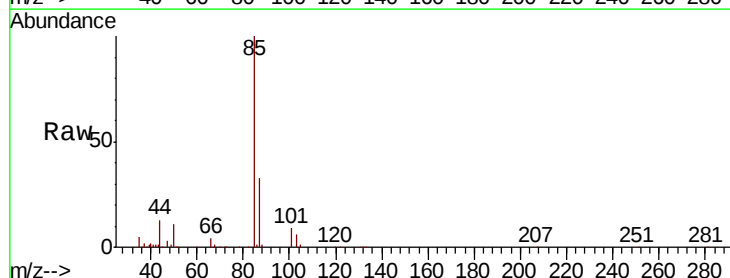
Acq: 06 Aug 2018 19:35

Tgt Ion: 85 Resp: 264642

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

60000

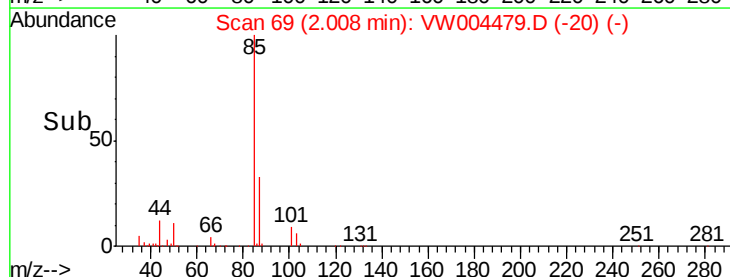
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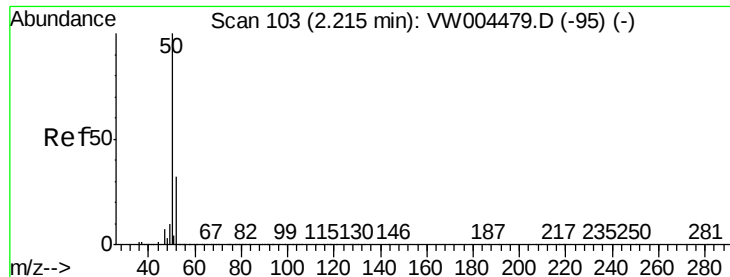
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0

1.80 2.00 2.20

Time-->





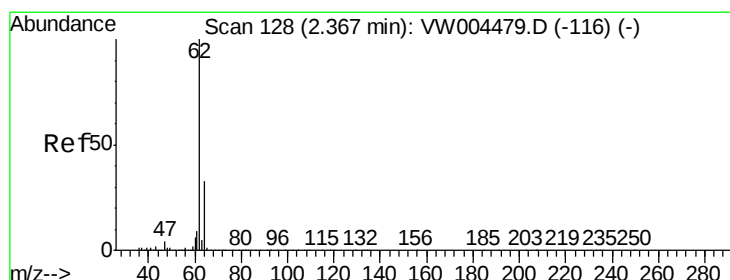
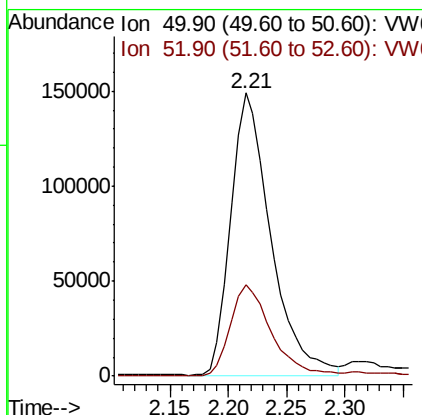
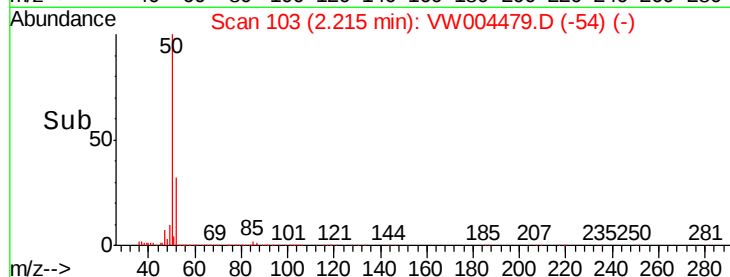
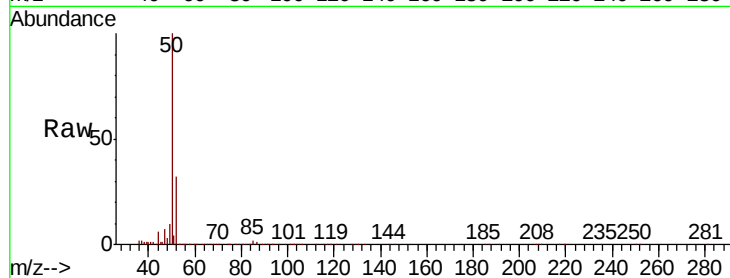
#3
Chloromethane
Concen: 70.85 ug/l
RT: 2.21 min Scan# 103
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.8	38.8

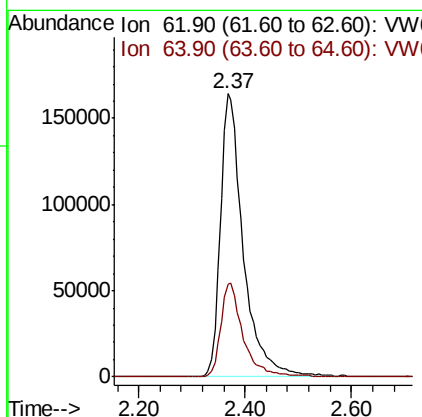
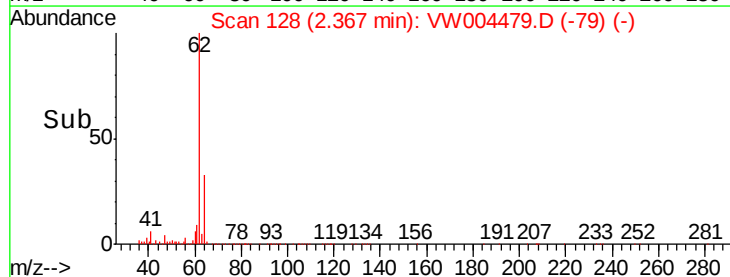
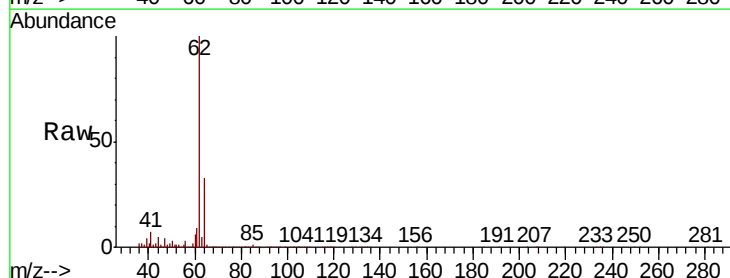
Manual Integrations
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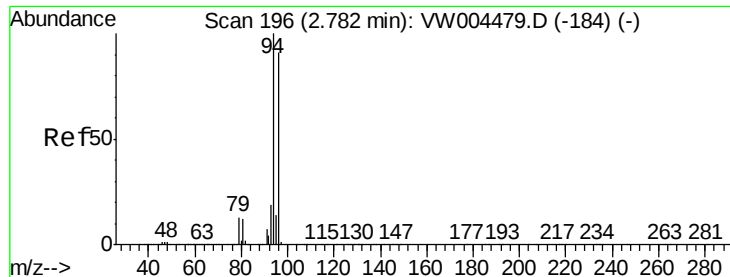
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#4
Vinyl Chloride
Concen: 60.98 ug/l
RT: 2.37 min Scan# 128
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.2	39.2





#5

Bromomethane

Concen: 55.76 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 290967

Ion Ratio Lower Upper

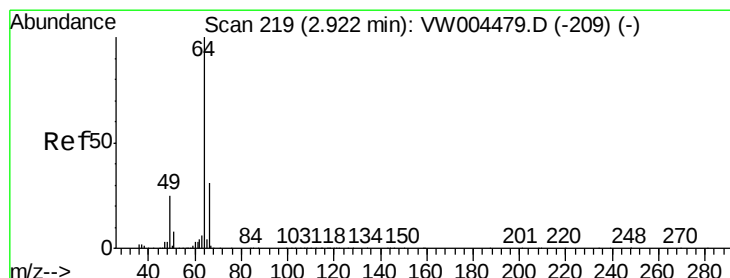
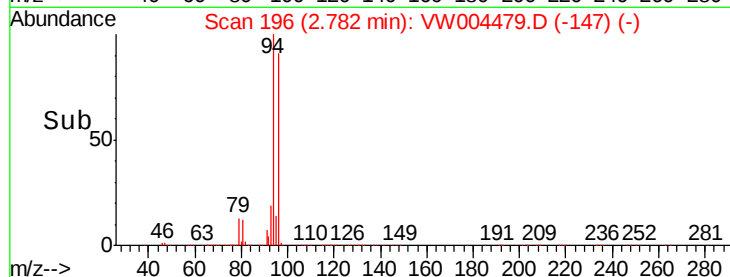
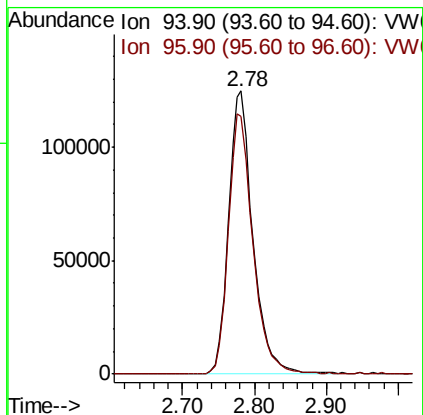
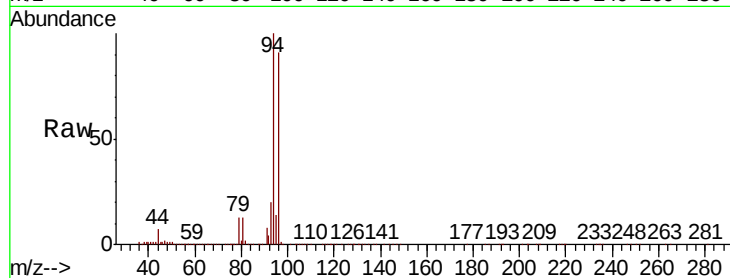
94 100

96 91.1 72.9 109.3

Manual Integrations
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#6

Chloroethane

Concen: 60.92 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004479.D

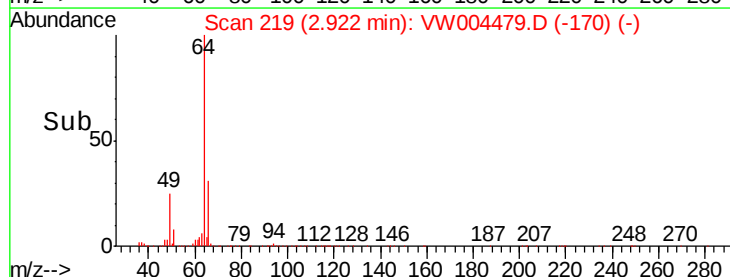
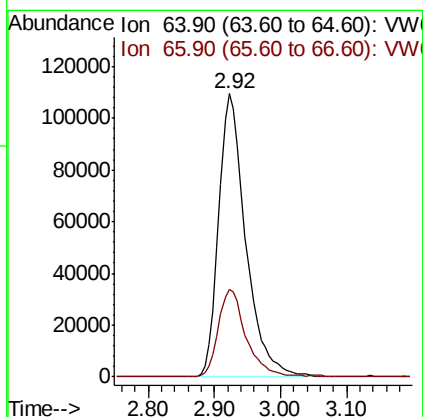
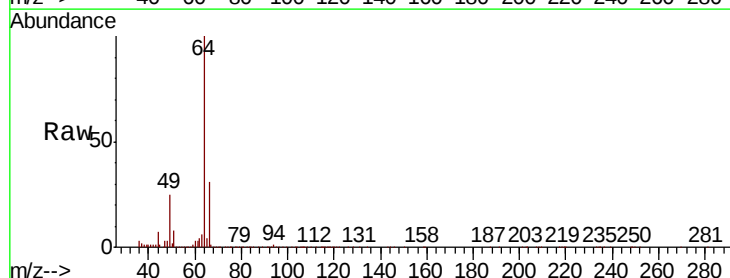
Acq: 06 Aug 2018 19:35

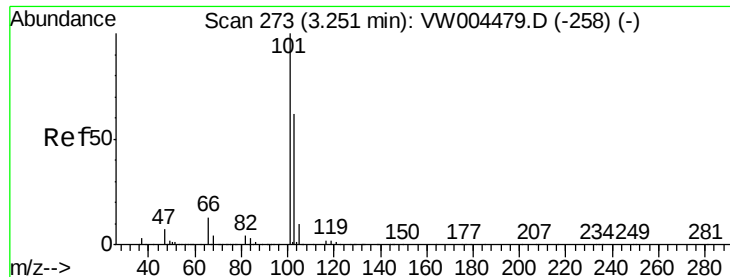
Tgt Ion: 64 Resp: 308772

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8





#7

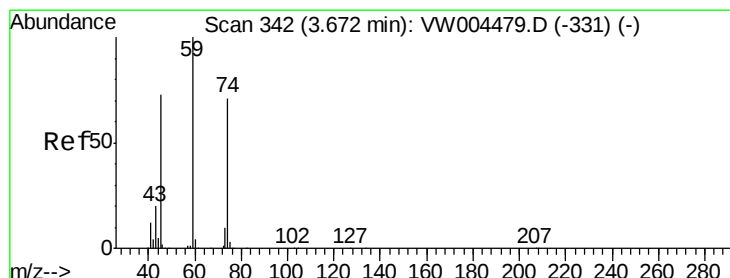
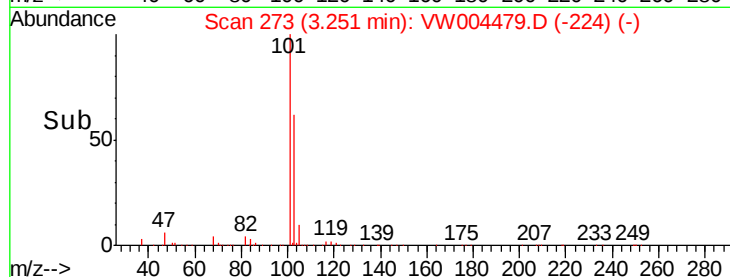
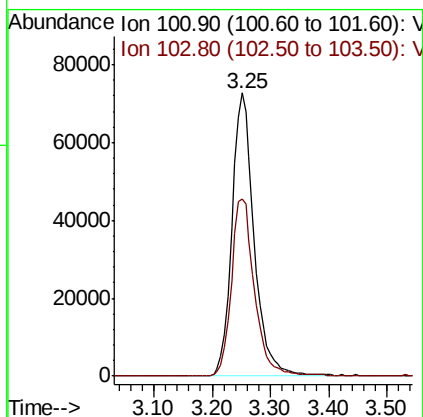
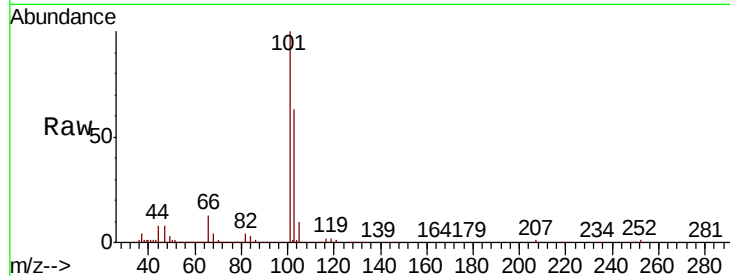
Trichlorofluoromethane
 Concen: 43.04 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	49.8	74.8

Manual Integrations
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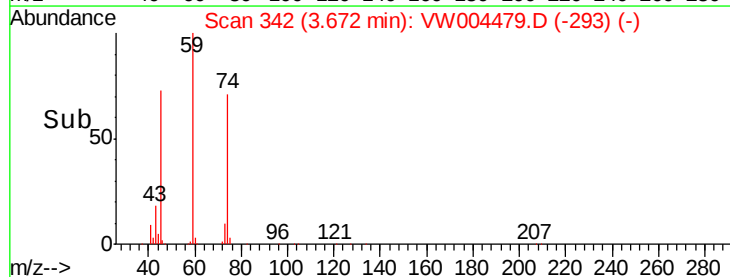
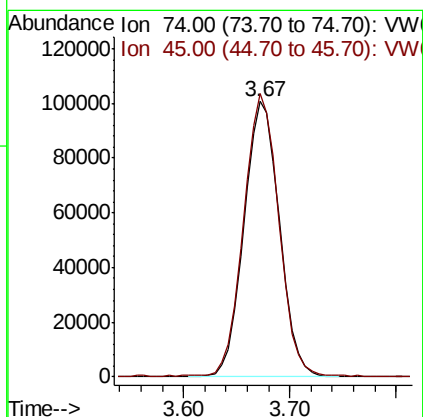
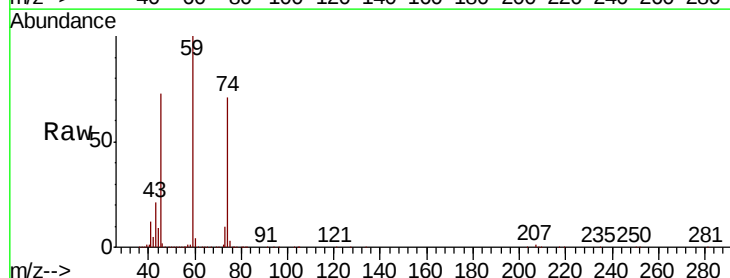
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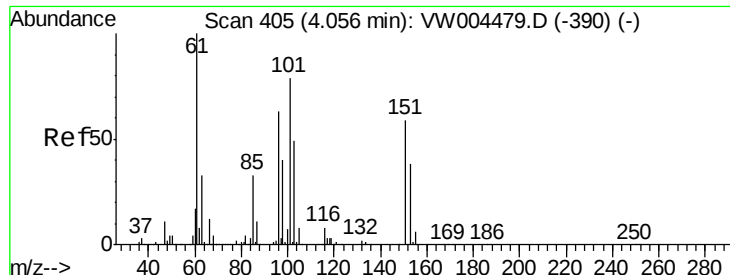


#8

Diethyl Ether
 Concen: 55.82 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	51.2	153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.56 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

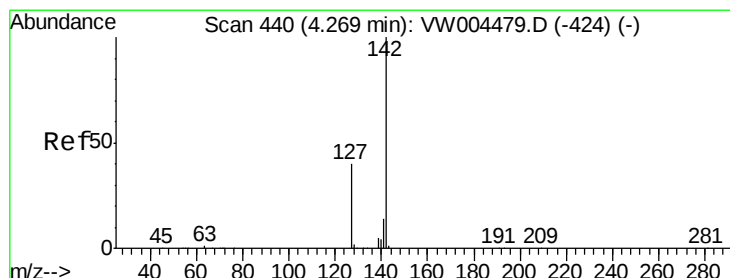
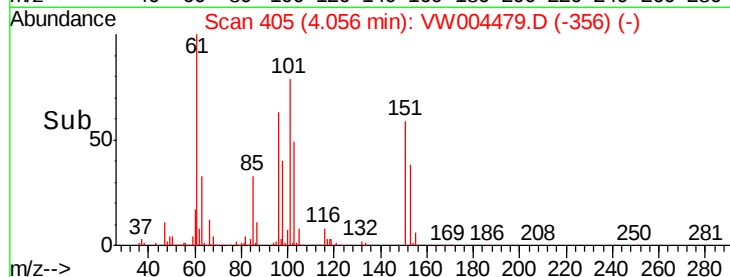
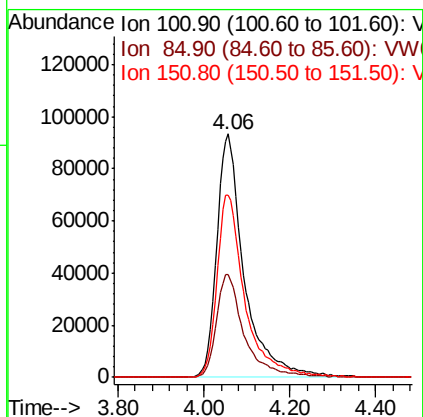
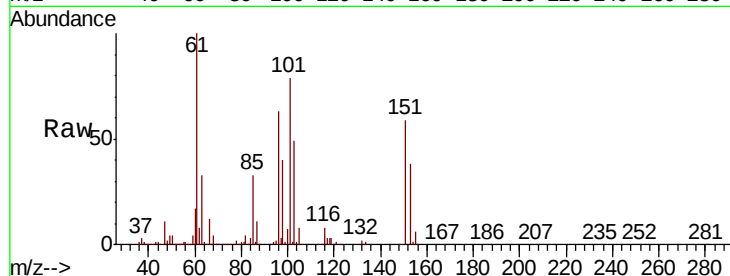
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	418795
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.6	51.8
151	76.6	61.3	91.9

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#10

Methyl Iodide

Concen: 52.75 ug/l

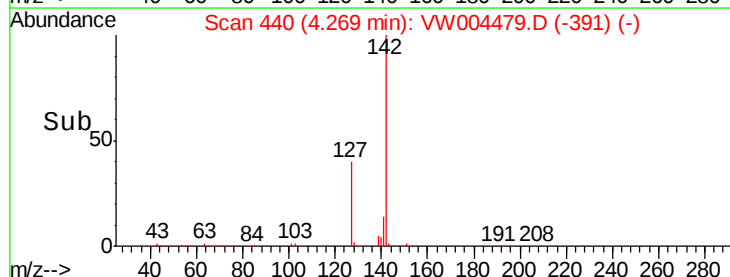
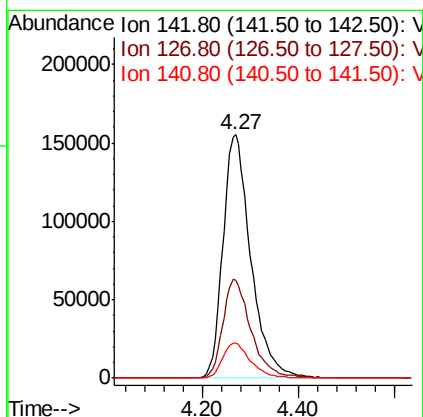
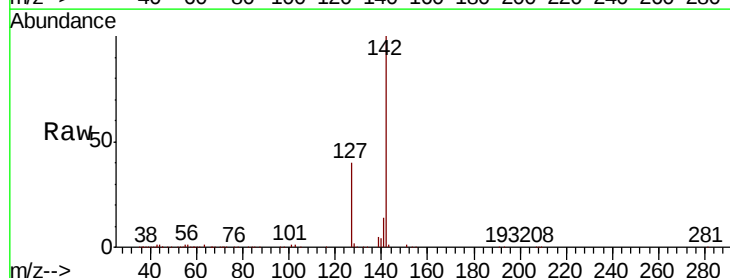
RT: 4.27 min Scan# 440

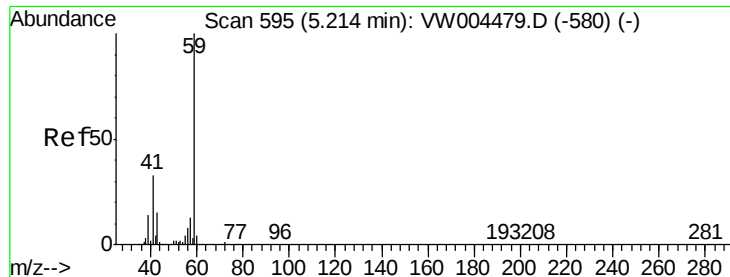
Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion:	142	Resp:	625968
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.7	49.1
141	14.4	11.5	17.3





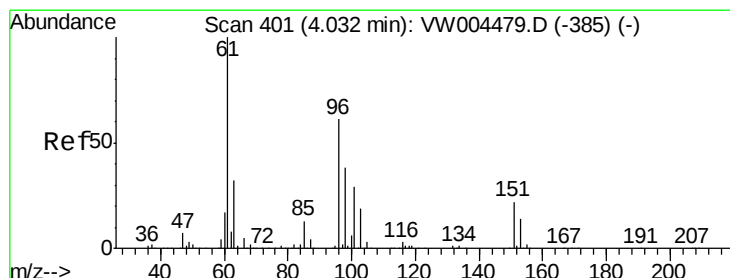
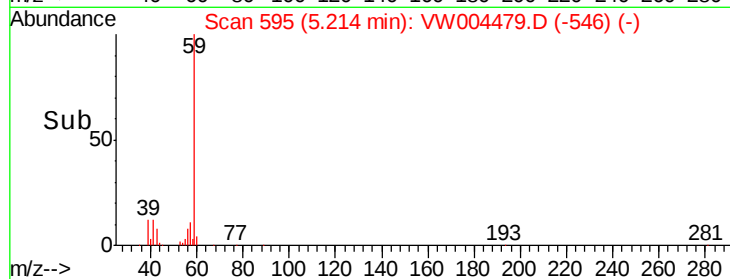
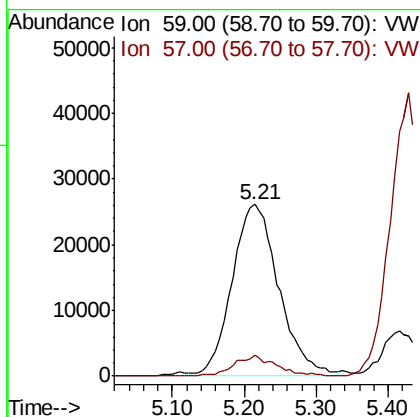
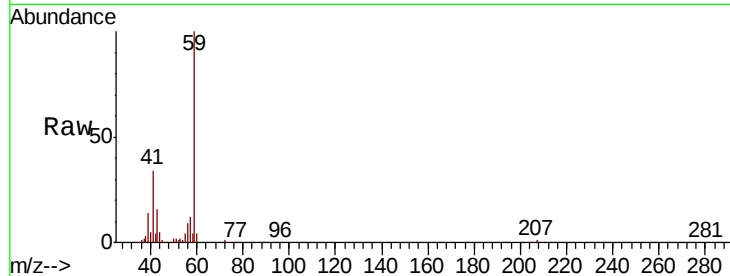
#11
Tert butyl alcohol
Concen: 204.61 ug/l
RT: 5.21 min Scan# 595
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	59.00	Resp	117577
Ion Ratio	100	Lower	Upper
57	11.4	9.1	13.7

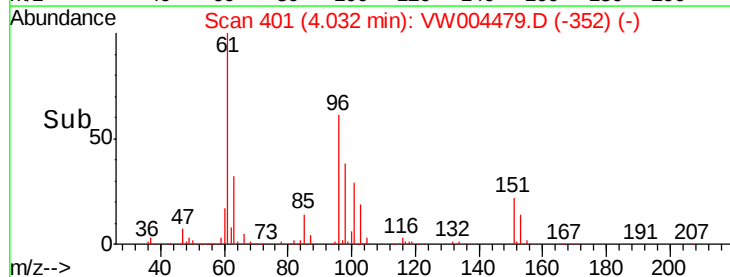
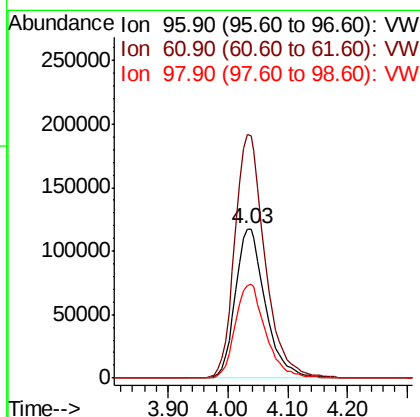
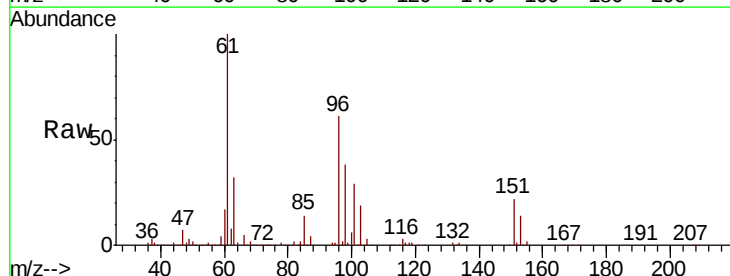
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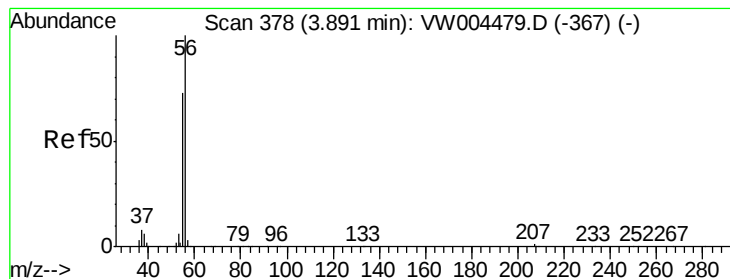
apatel
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#12
1,1-Dichloroethene
Concen: 51.96 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	96	Resp	411712
Ion Ratio	100	Lower	Upper
61	163.2	130.6	195.8
98	62.0	49.6	74.4





#13

Acrolein

Concen: 283.45 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 150118

Ion Ratio Lower Upper

56 100

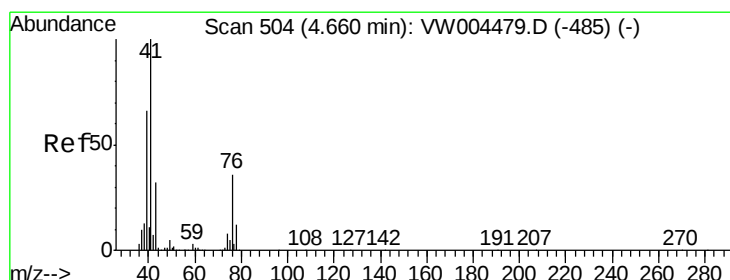
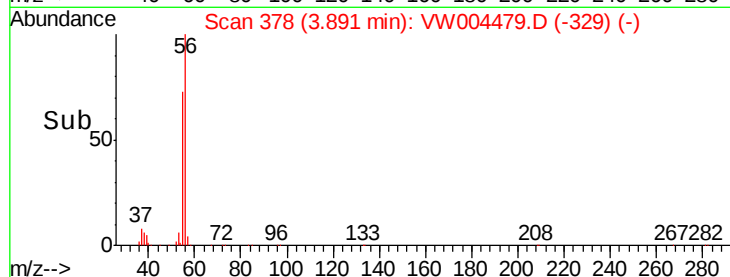
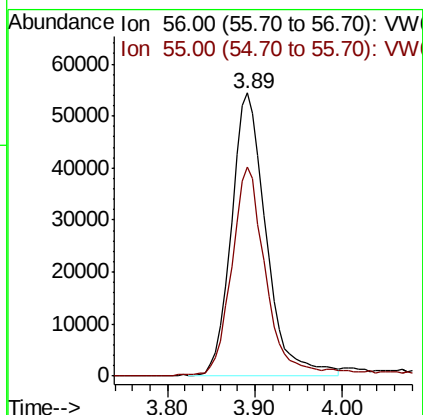
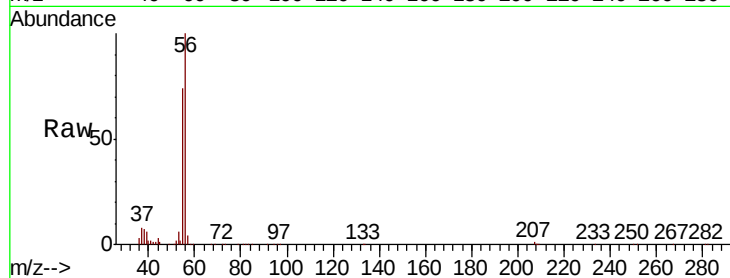
55 70.9 56.7 85.1

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#14

Allyl chloride

Concen: 51.67 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

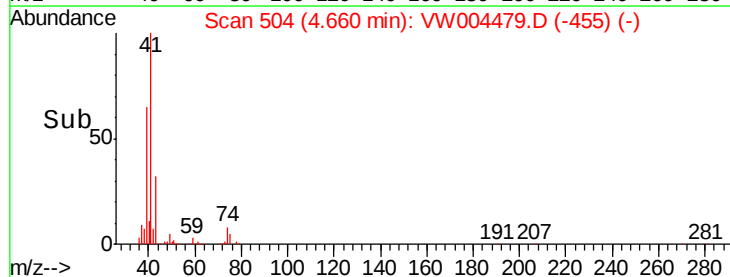
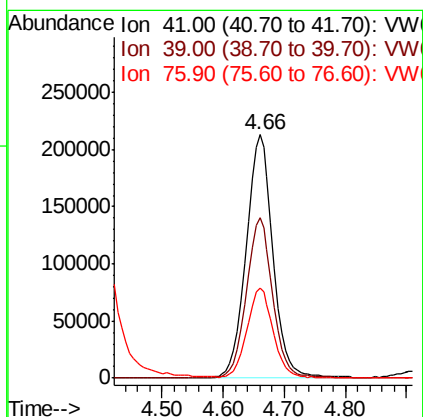
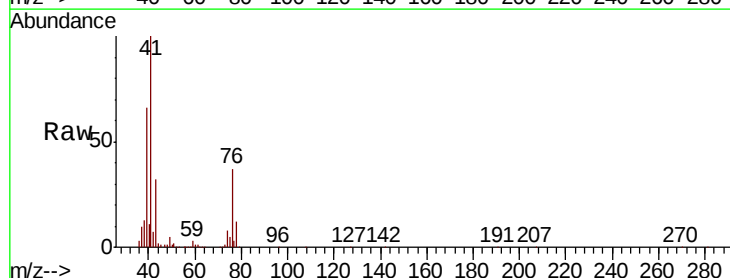
Tgt Ion: 41 Resp: 648605

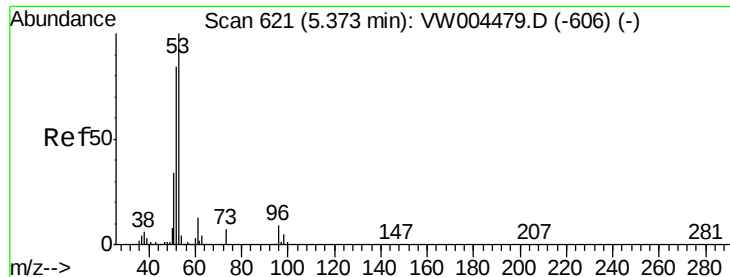
Ion Ratio Lower Upper

41 100

39 64.9 51.9 77.9

76 36.3 29.0 43.6





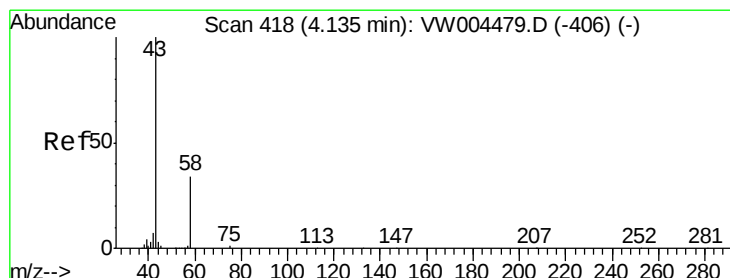
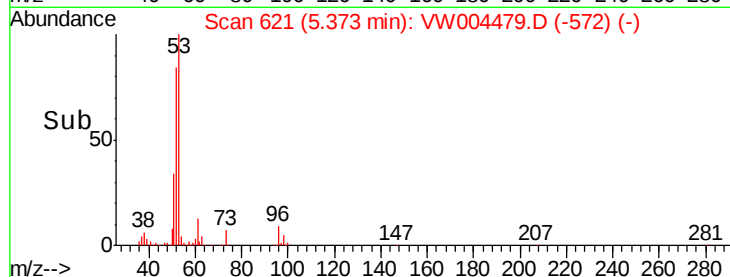
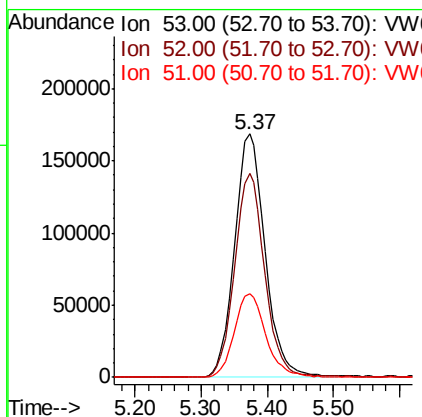
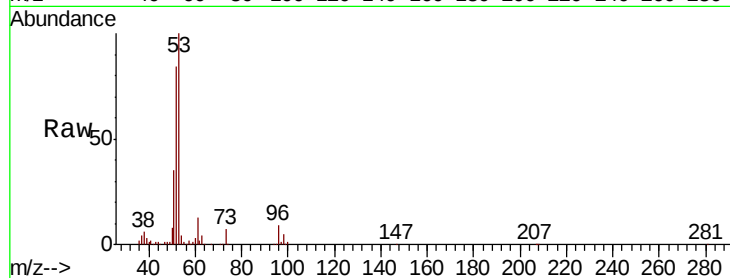
#15
 Acrylonitrile
 Concen: 293.44 ug/l
 RT: 5.37 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	53	Resp:	539368
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.5	99.7
51	35.5	28.4	42.6

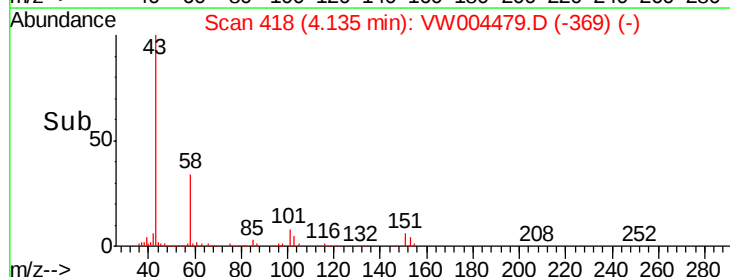
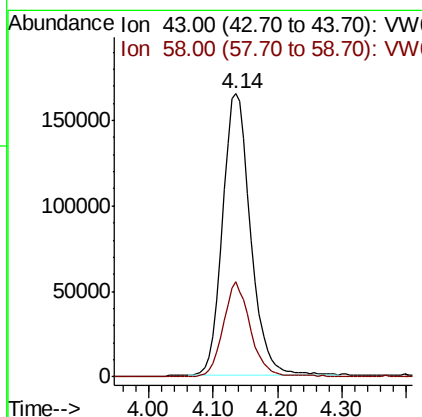
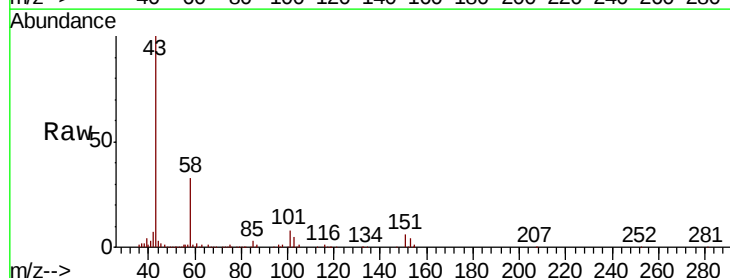
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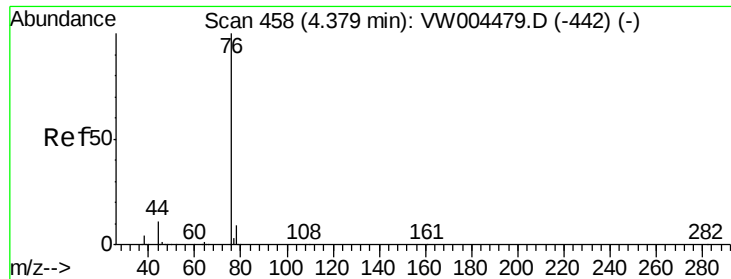
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#16
 Acetone
 Concen: 277.04 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion:	43	Resp:	505565
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.8	40.2





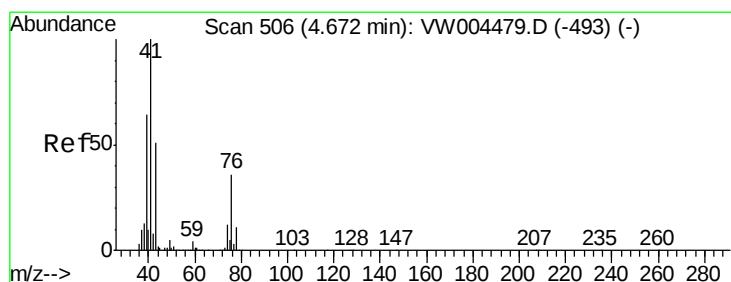
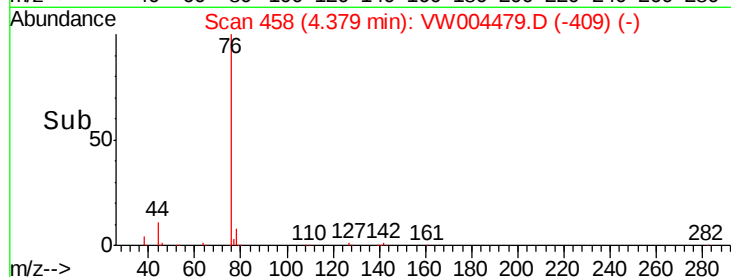
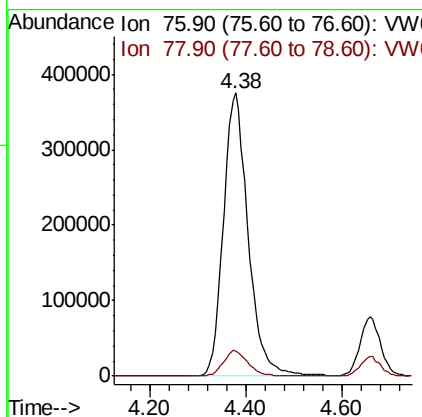
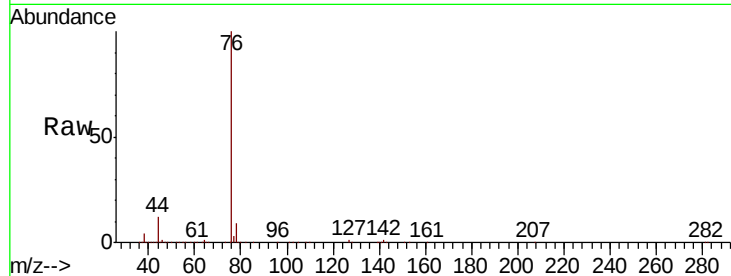
#17
Carbon Disulfide
Concen: 54.77 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1342653
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4

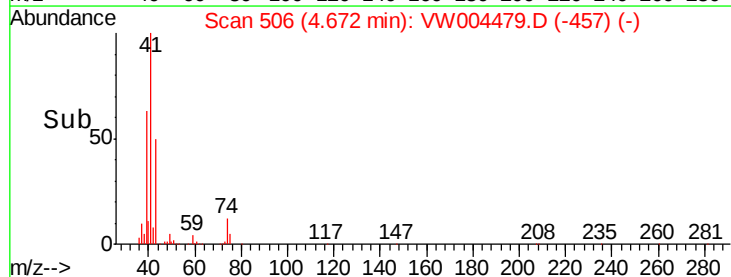
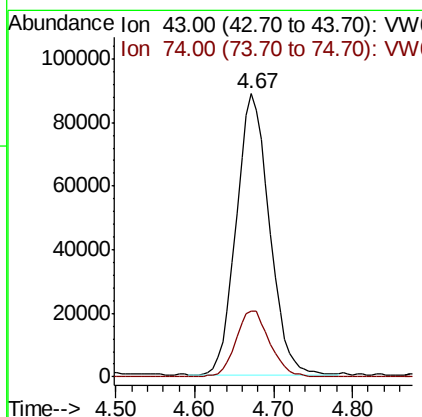
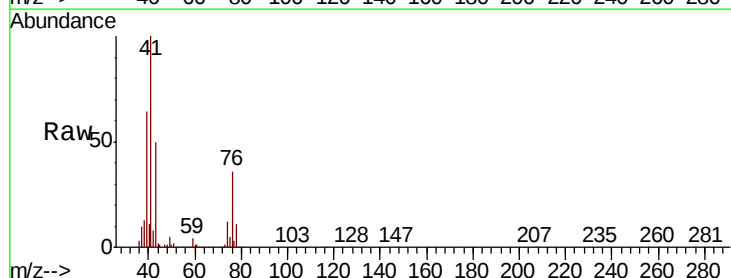
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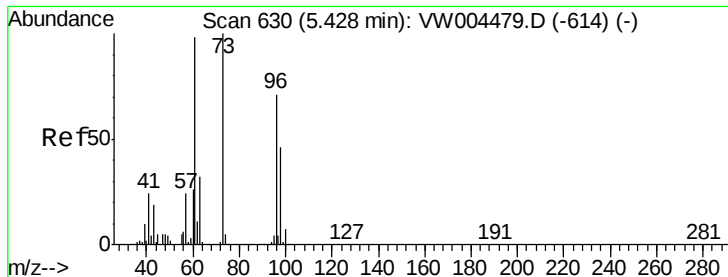
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#18
Methyl Acetate
Concen: 54.51 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 43 Resp: 260038
Ion Ratio Lower Upper
43 100
74 23.9 19.1 28.7





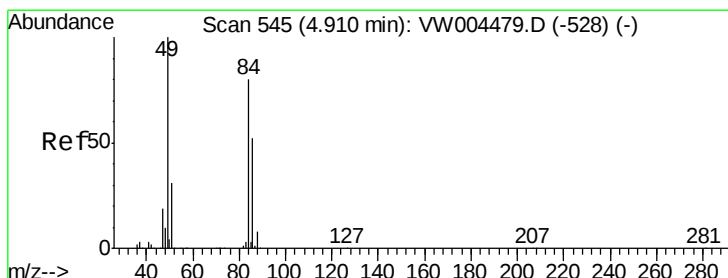
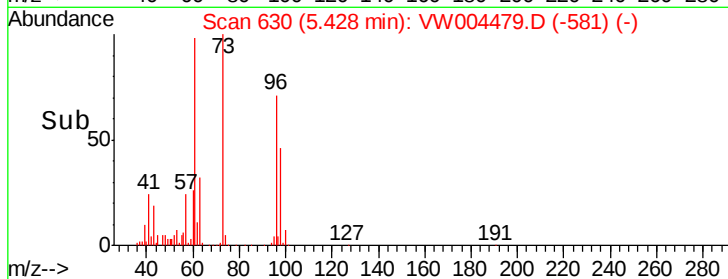
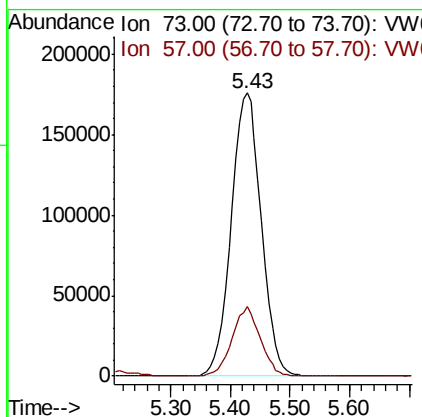
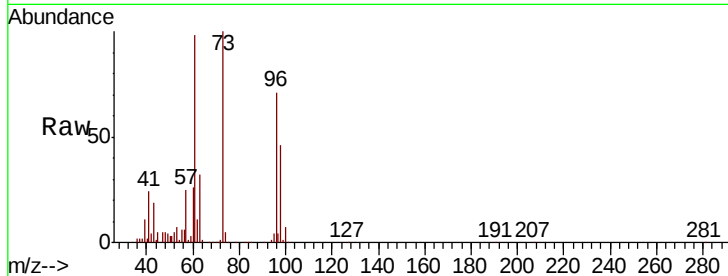
#19
Methvl tert-butvl Ether
Concen: 45.02 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.6	29.4

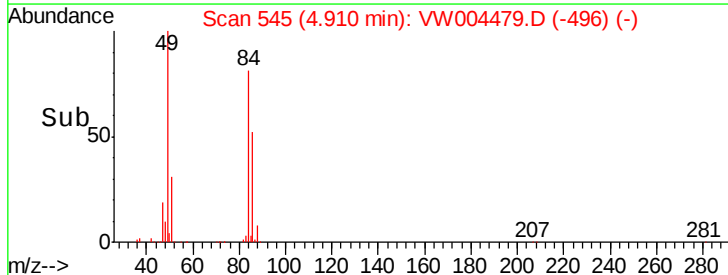
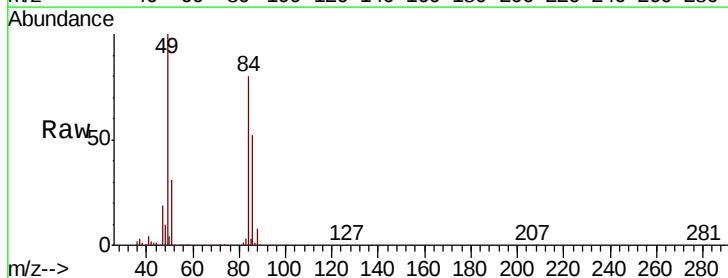
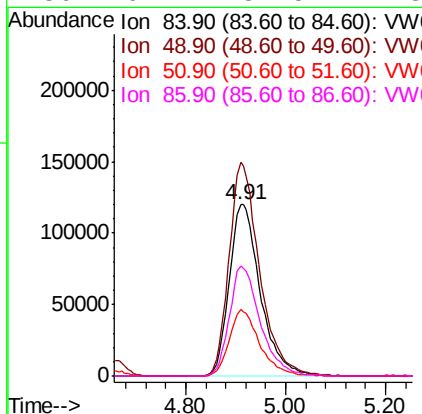
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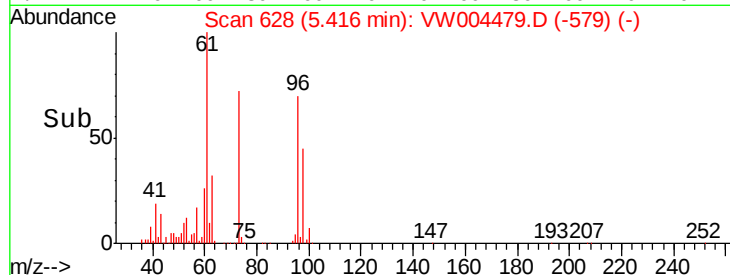
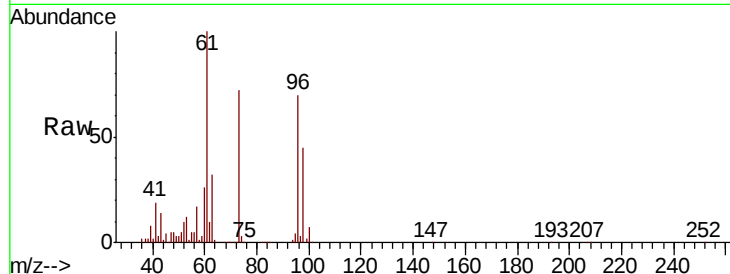
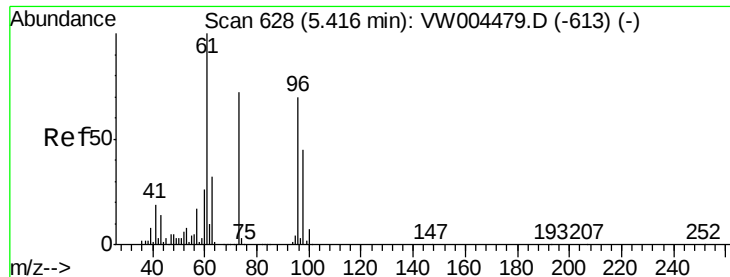
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#20
Methylene Chloride
Concen: 58.57 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.5	99.6	149.4
51	38.7	31.0	46.4
86	64.4	51.5	77.3





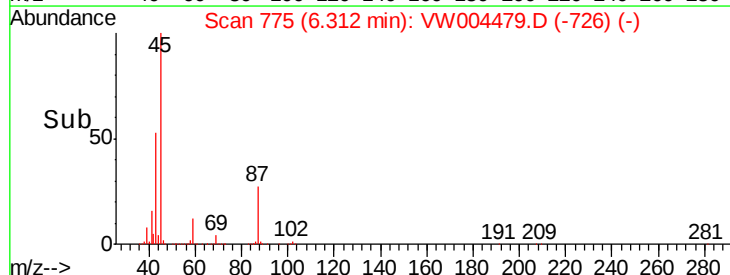
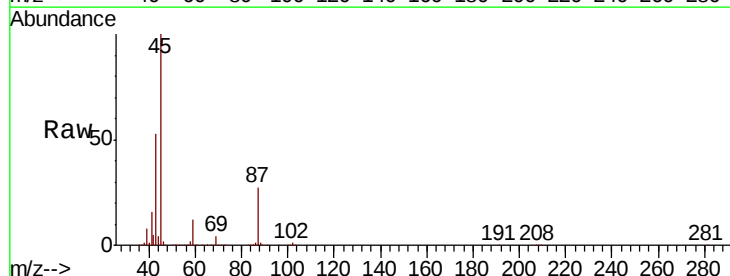
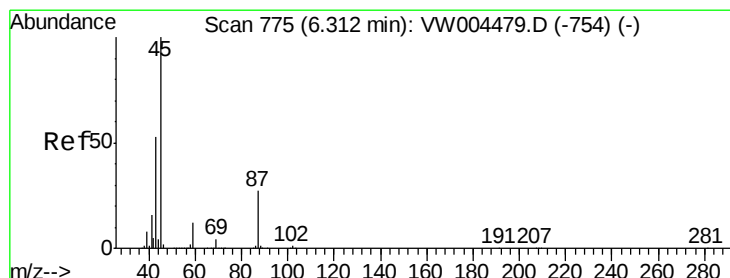
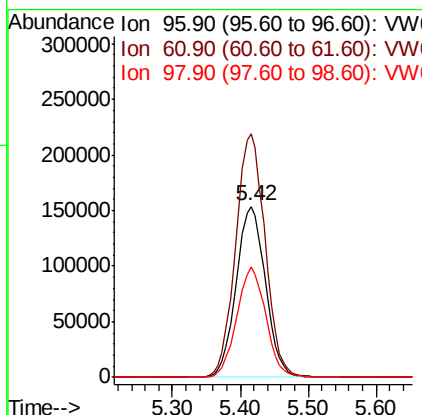
#21
trans-1,2-Dichloroethene
Concen: 54.09 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	114.1	171.1
98	64.3	51.4	77.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

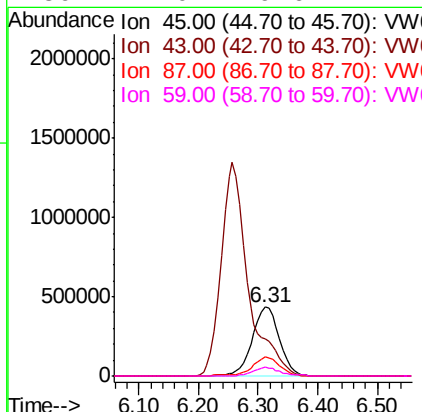
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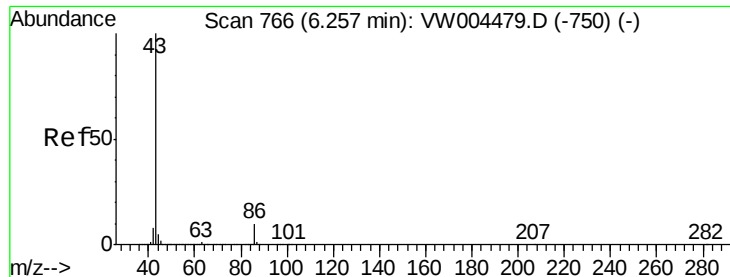
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#22
Diisopropyl ether
Concen: 57.55 ug/l
RT: 6.31 min Scan# 775
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.0	42.4	63.6
87	27.0	21.6	32.4
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 300.95 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 4240805

Ion Ratio Lower Upper

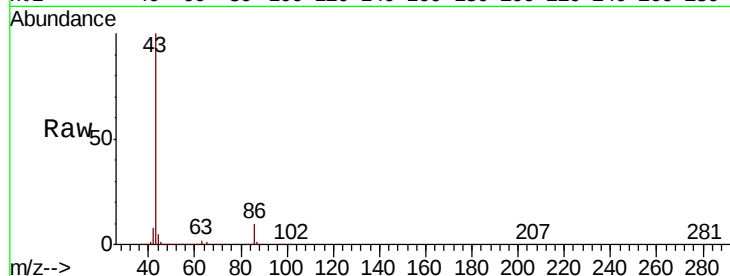
43 100

86 9.9 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

1500000

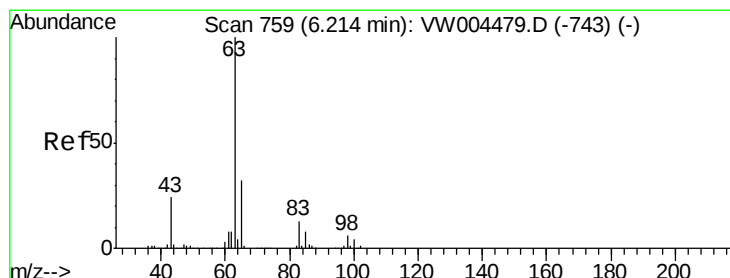
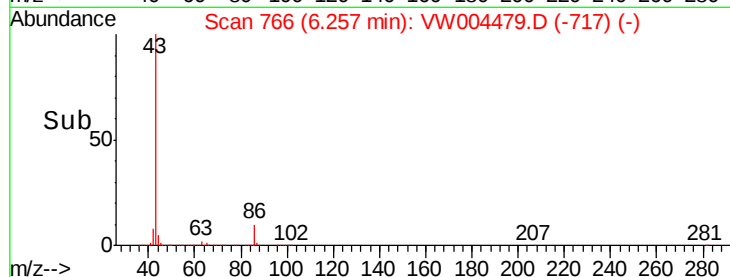
1000000

500000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 54.00 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

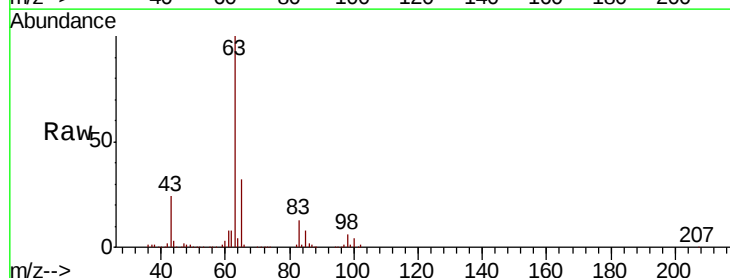
Tgt Ion: 63 Resp: 840086

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

300000

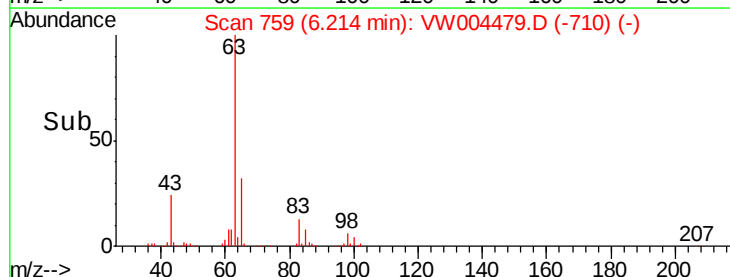
200000

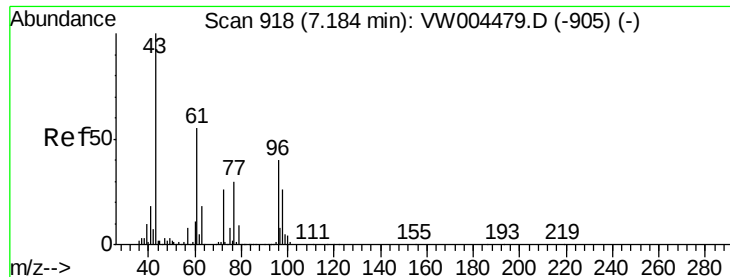
100000

0

6.00 6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 365.61 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 867272

Ion Ratio Lower Upper

43 100

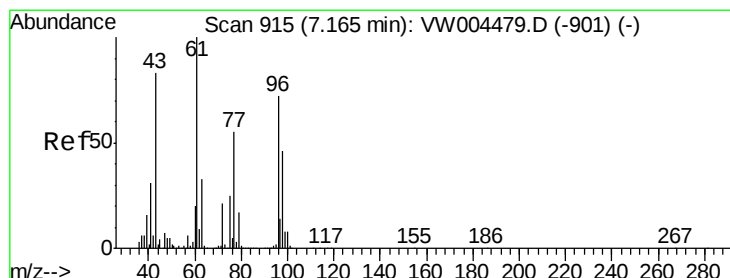
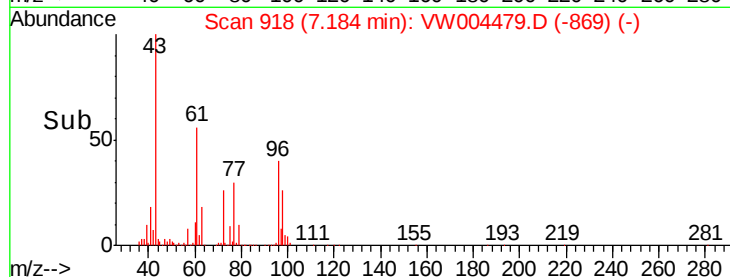
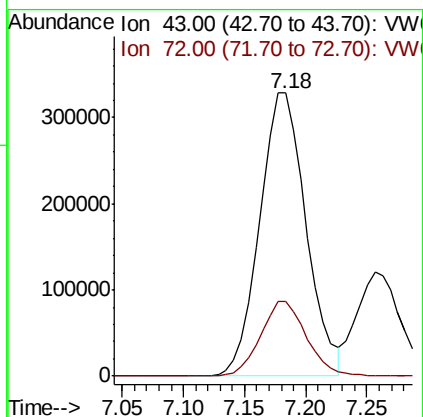
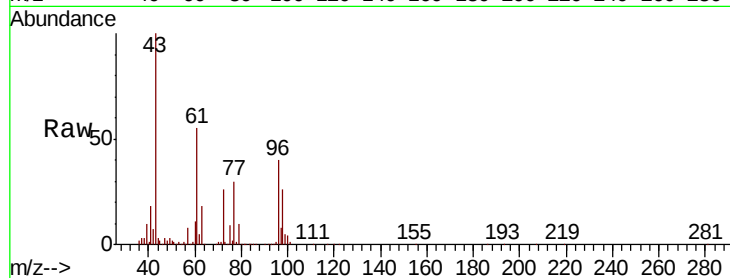
72 26.3 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.27 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004479.D

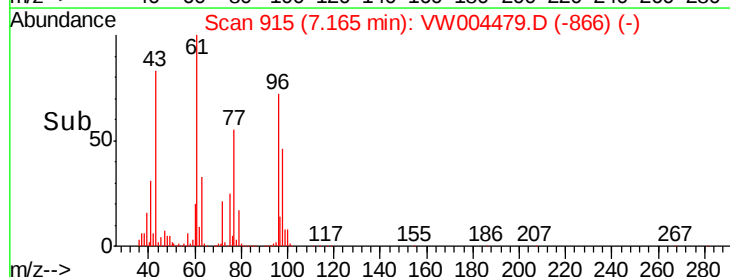
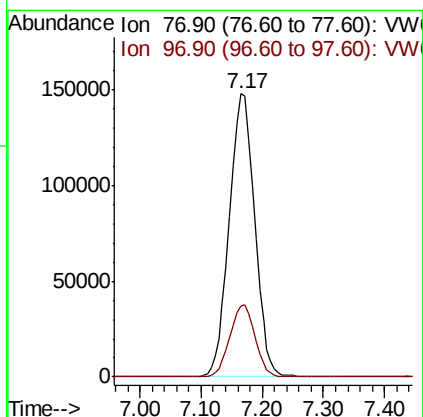
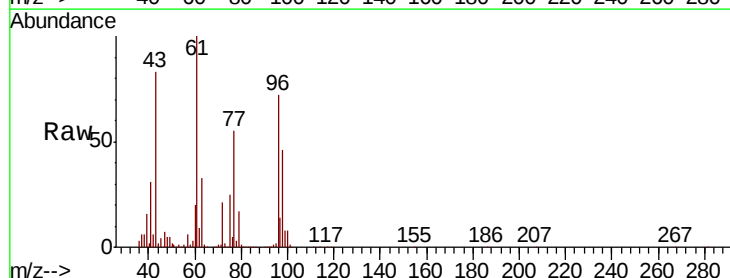
Acq: 06 Aug 2018 19:35

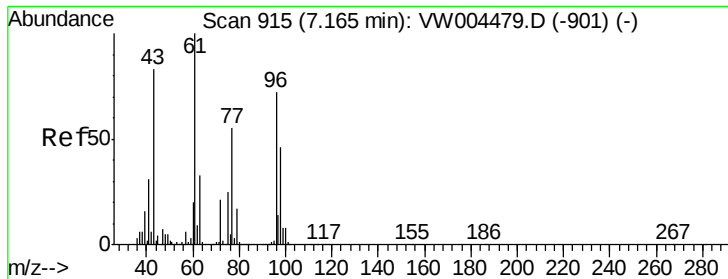
Tgt Ion: 77 Resp: 424226

Ion Ratio Lower Upper

77 100

97 25.0 12.5 37.5





#27

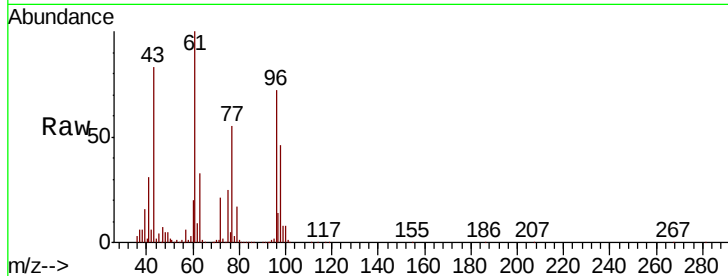
cis-1,2-Dichloroethene
Concen: 57.30 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	499127		
61	142.5	0.0	285.0	
98	64.3	0.0	128.6	

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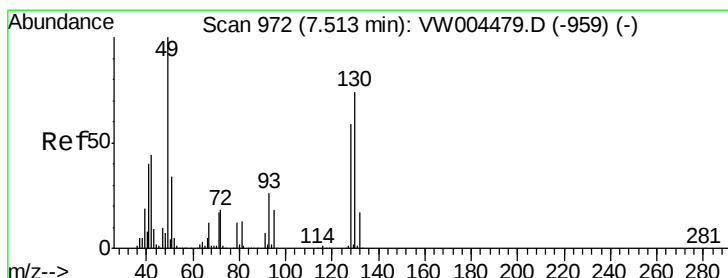
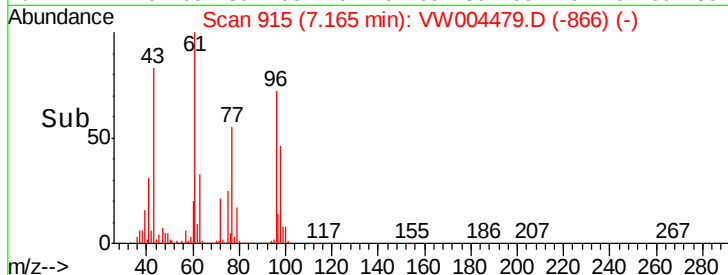
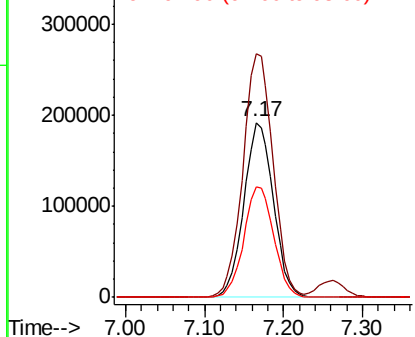


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

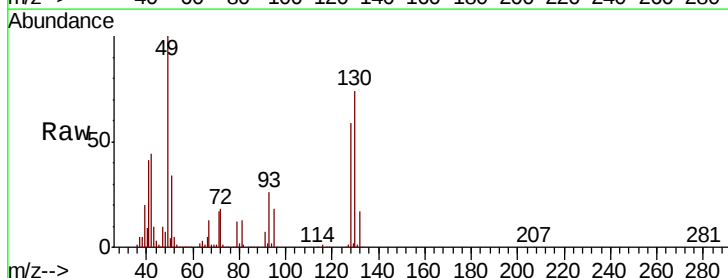
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 63.33 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	358420		
129	2.0	0.0	4.0	
130	73.5	58.8	88.2	

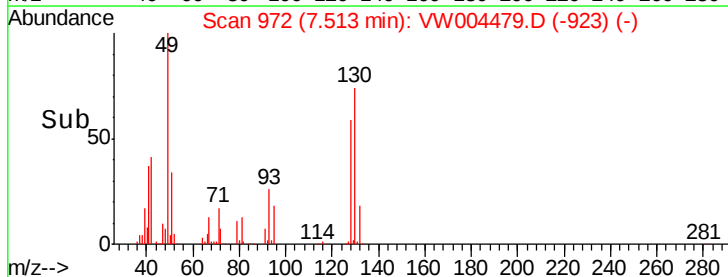
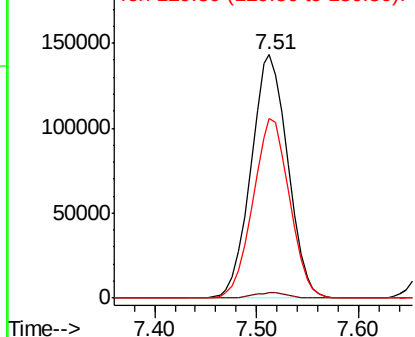


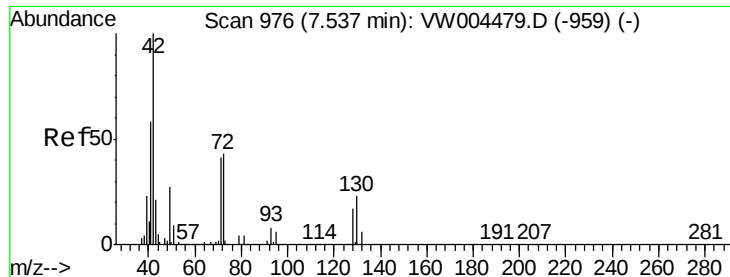
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 318.01 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

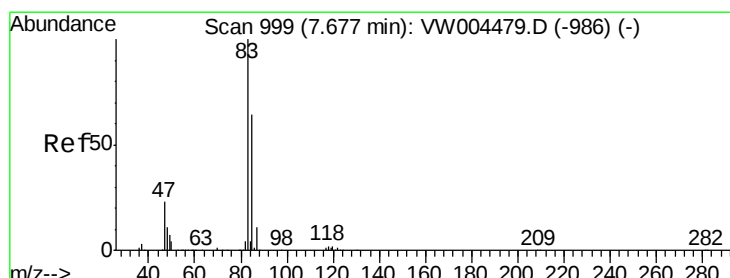
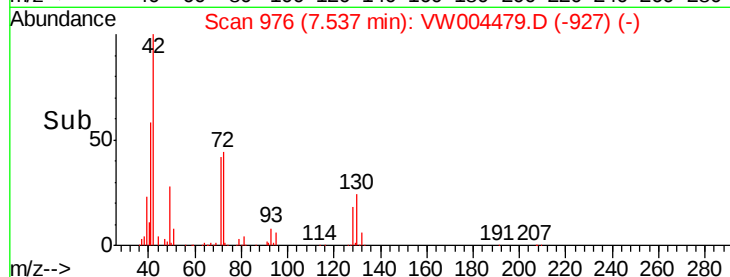
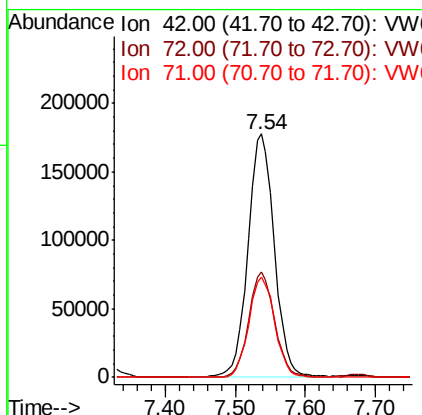
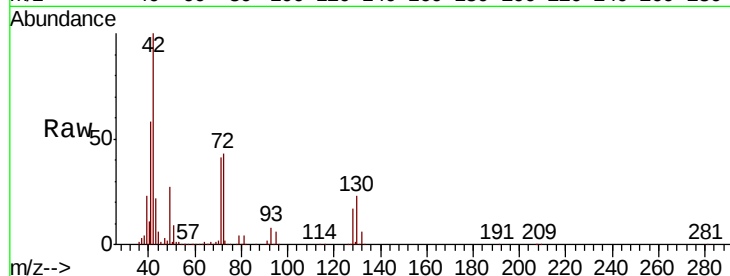
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	463832
Ion Ratio		Lower	Upper
42	100		
72	42.6	34.1	51.1
71	40.6	32.5	48.7

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#30

Chloroform

Concen: 55.17 ug/l

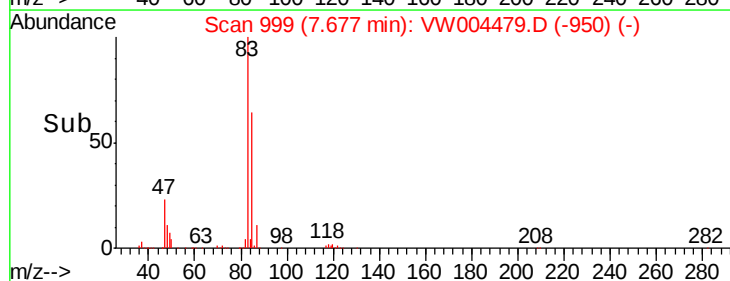
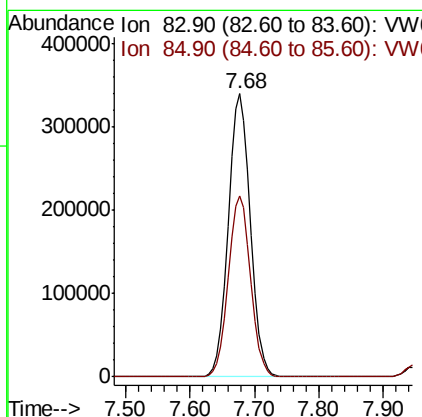
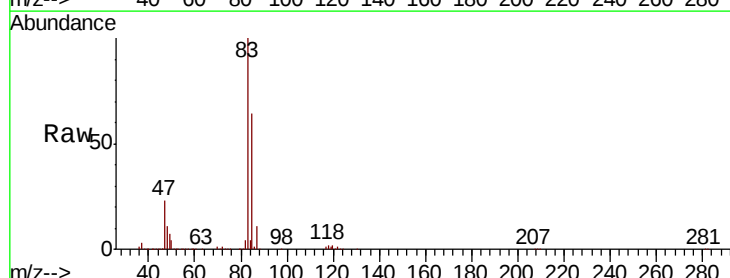
RT: 7.68 min Scan# 999

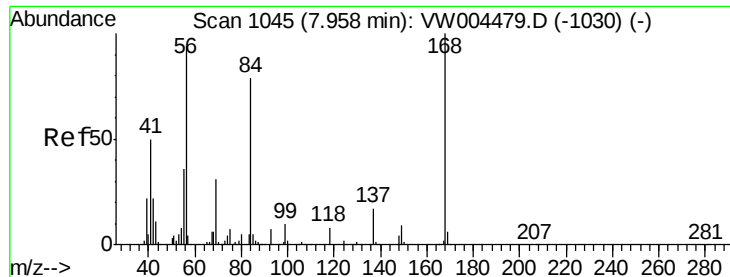
Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion:	83	Resp:	818025
Ion Ratio		Lower	Upper
83	100		
85	64.1	51.3	76.9





#31

Cyclohexane

Concen: 57.57 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

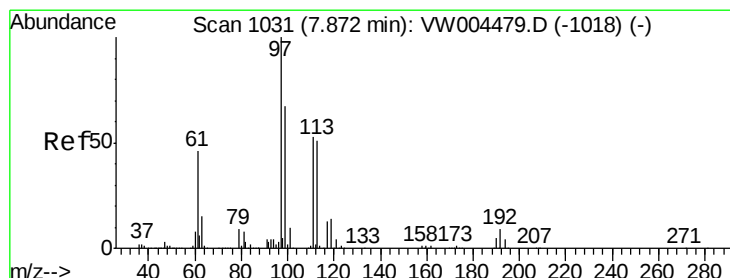
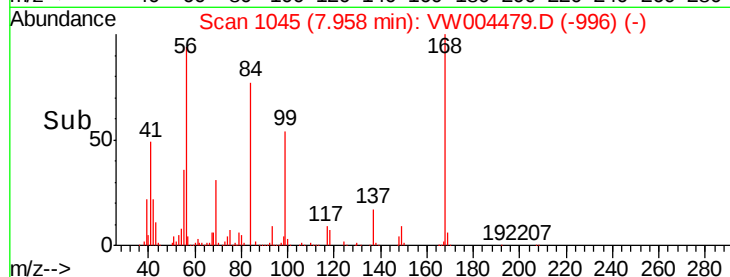
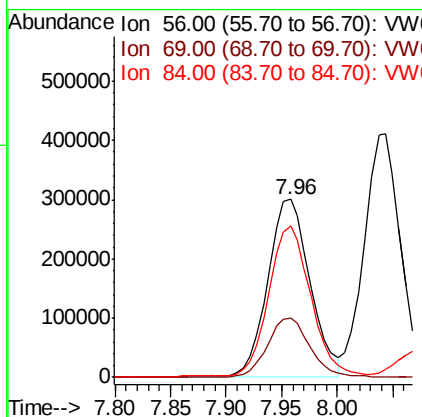
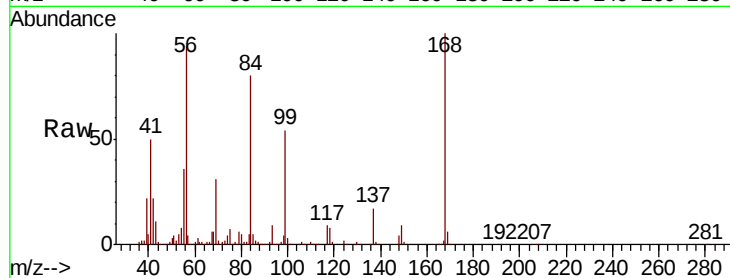
ClientSampled :

VSTDICCC050

Tot Ion	56	Resp	794945
Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.4	39.6
84	83.6	66.9	100.3

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#32

1,1,1-Trichloroethane

Concen: 51.00 ug/l

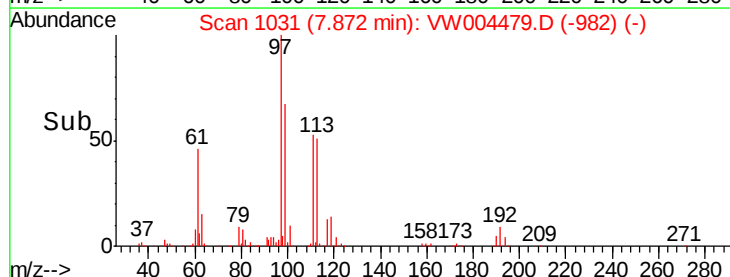
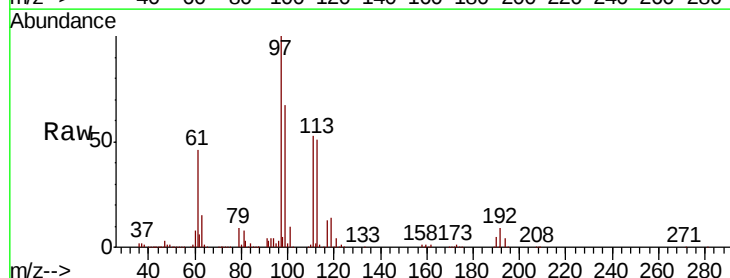
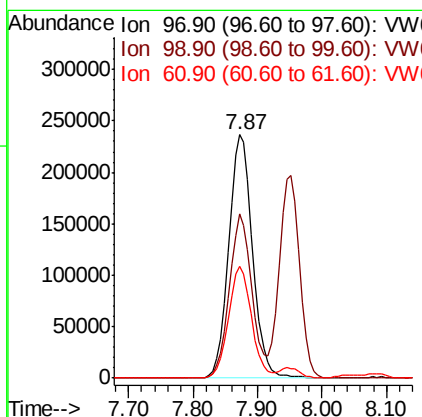
RT: 7.87 min Scan# 1031

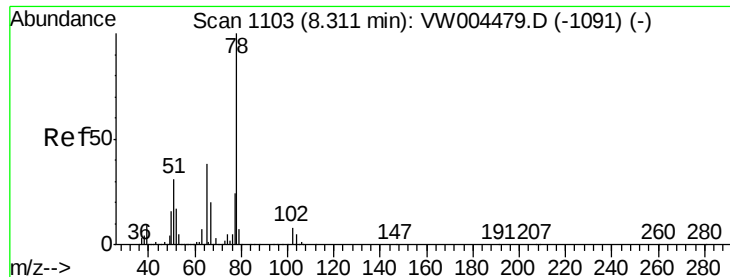
Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion	97	Resp	612091
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.6	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 55.67 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 445099

Ion Ratio Lower Upper

65 100

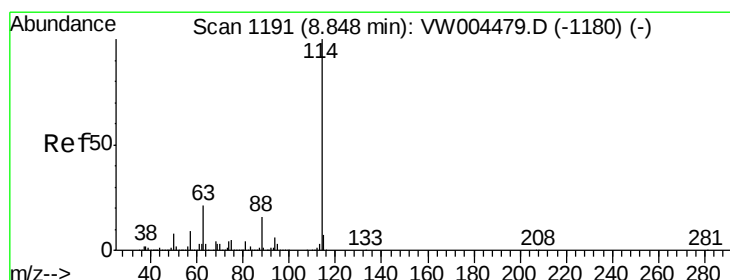
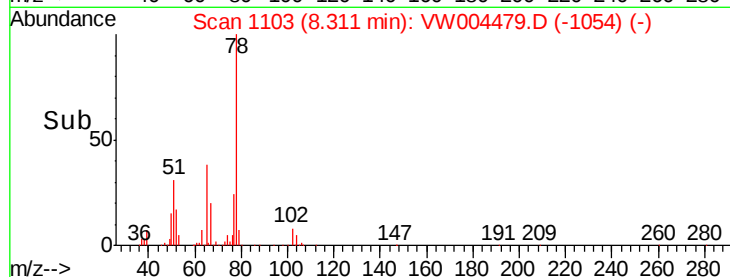
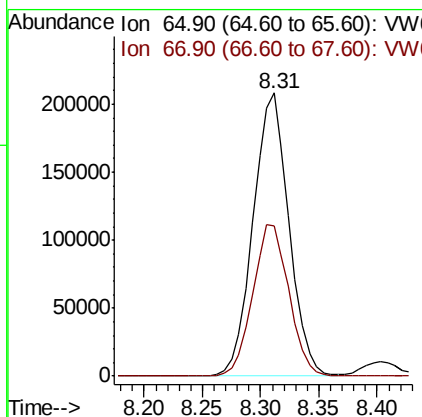
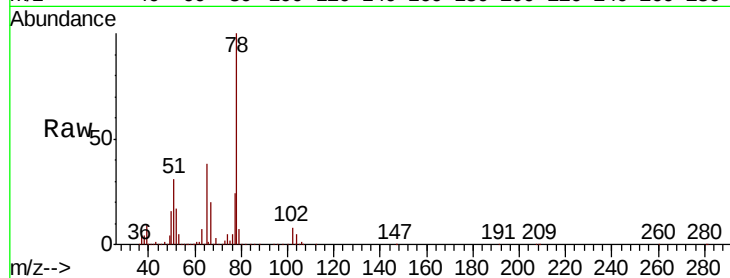
67 54.5 0.0 109.0

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

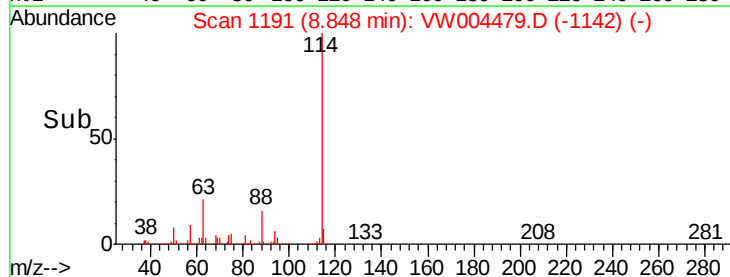
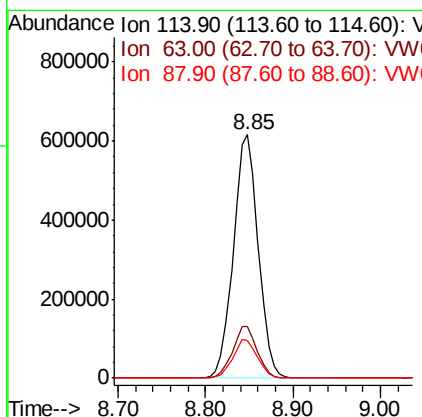
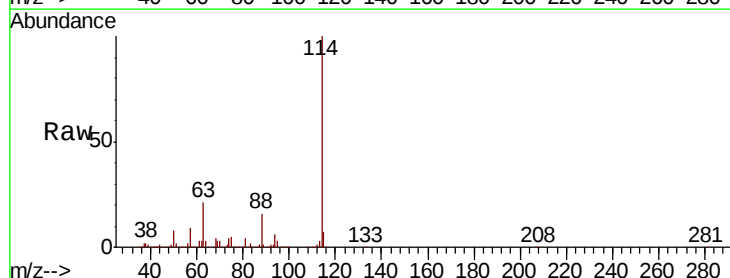
Tgt Ion: 114 Resp: 1210751

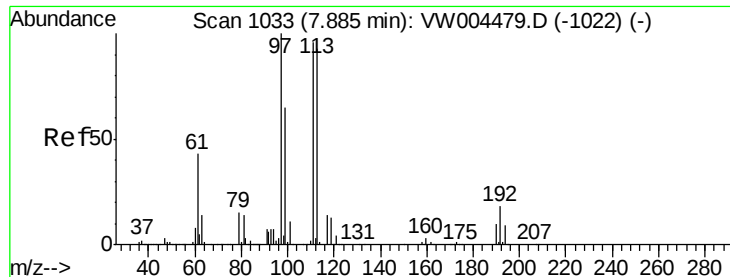
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 15.6 0.0 31.2





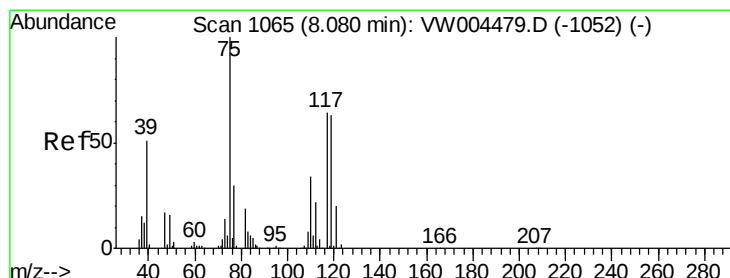
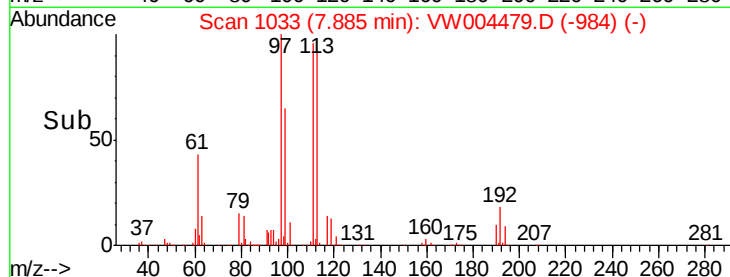
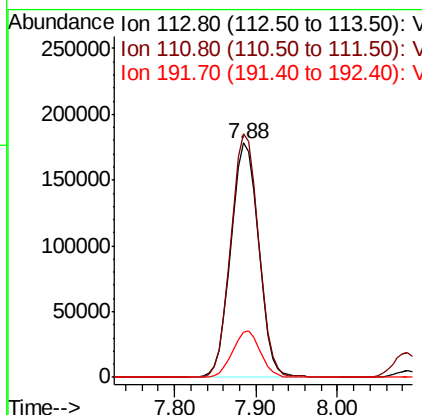
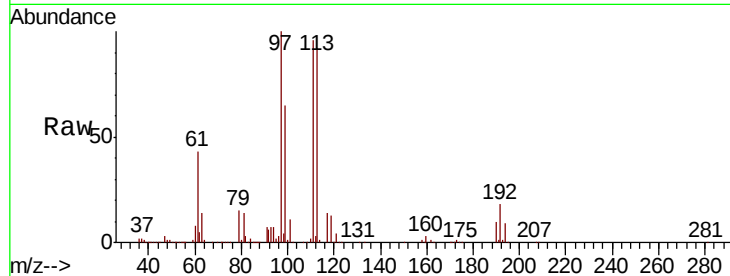
#35
 Dibromofluoromethane
 Concen: 54.46 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	19.7	15.8	23.6

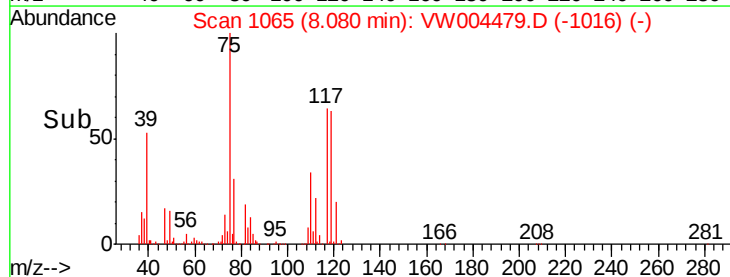
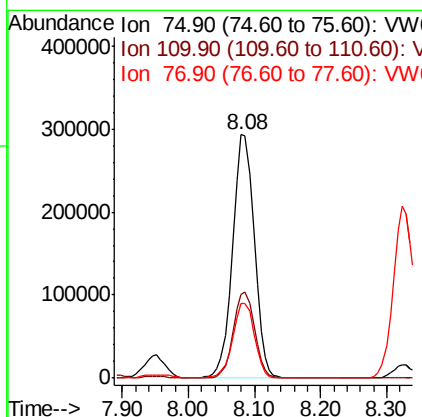
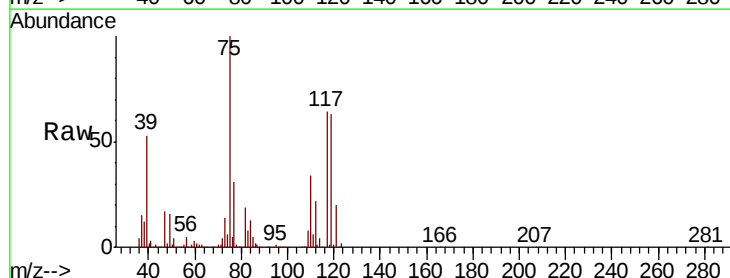
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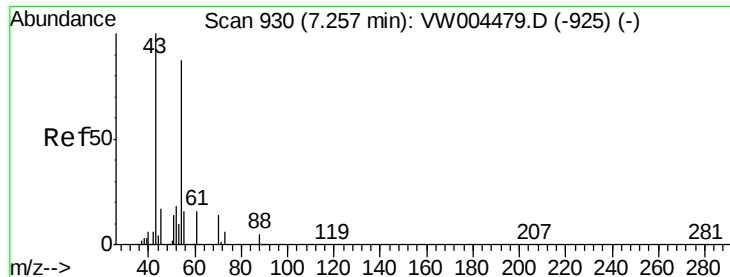
apatel
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#36
 1,1-Dichloropropene
 Concen: 54.51 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	30.9	24.7	37.1





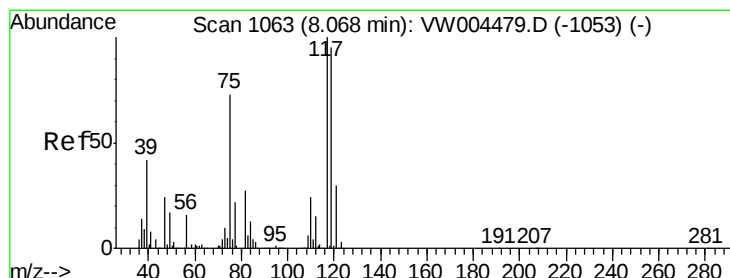
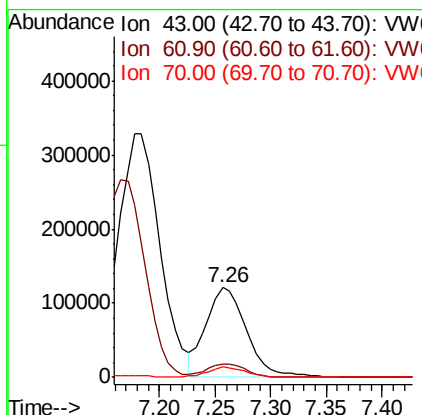
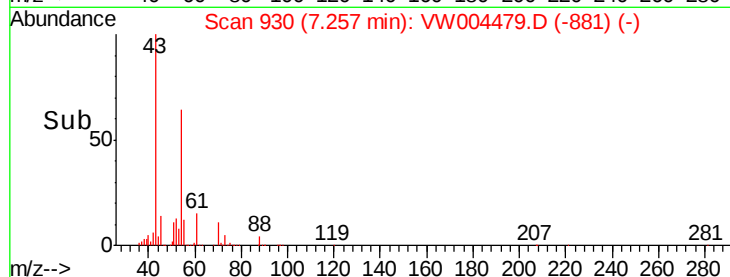
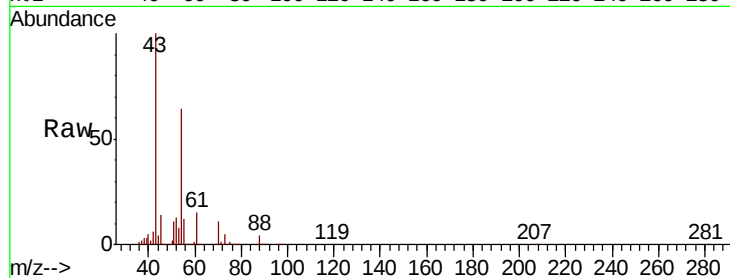
#37
Ethyl Acetate
Concen: 59.66 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion:	43	Resp:	302964
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	10.3	8.2	12.4

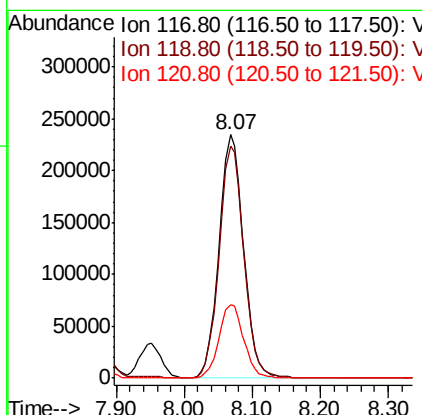
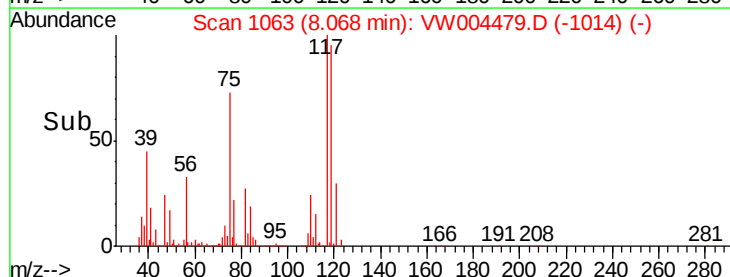
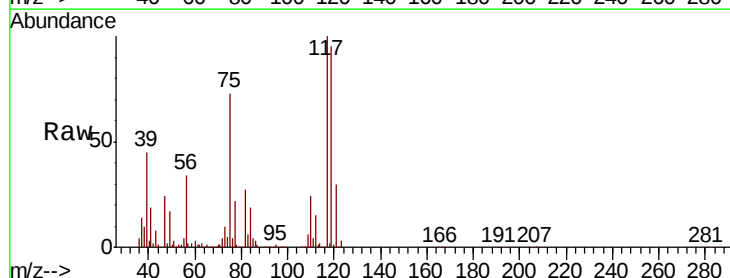
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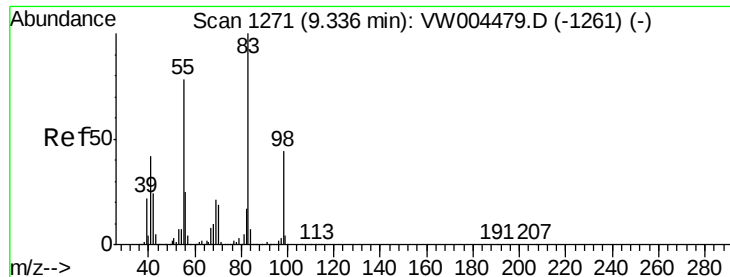
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#38
Carbon Tetrachloride
Concen: 49.12 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion:	117	Resp:	587019
Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.1	114.1
121	30.3	24.2	36.4





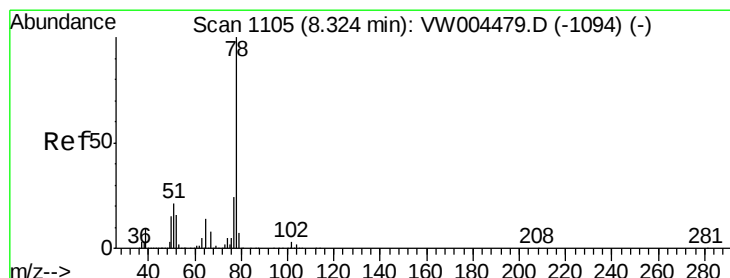
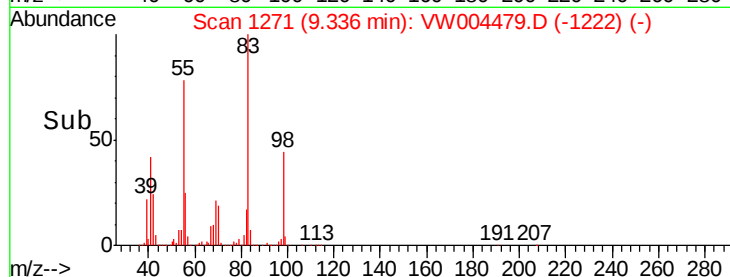
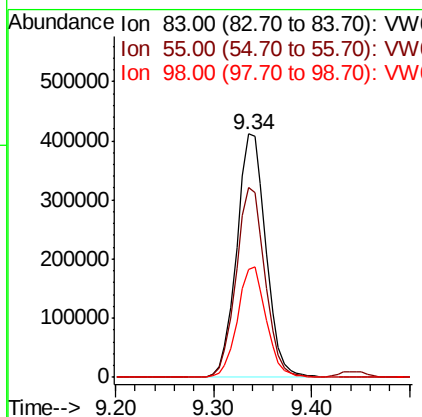
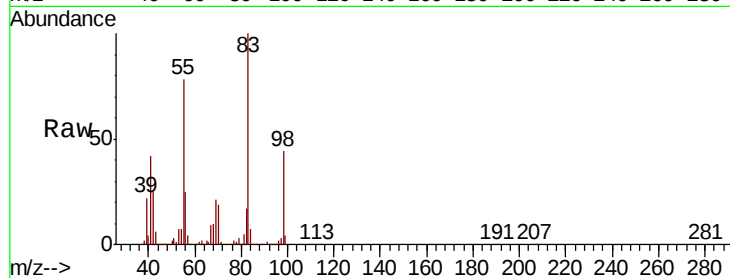
#39
Methvlcvclohexane
Concen: 57.07 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.5	93.7
98	44.3	35.4	53.2

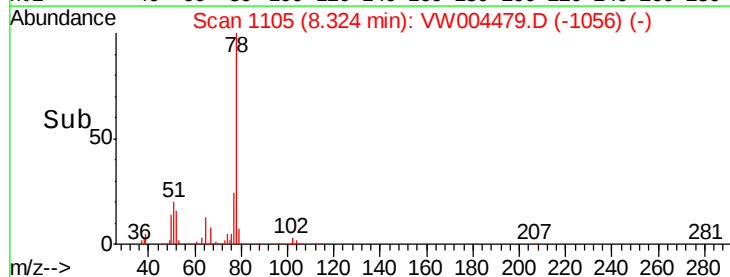
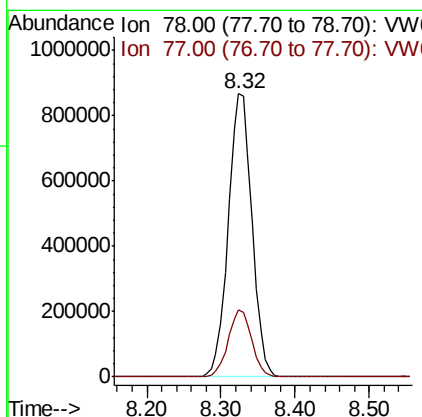
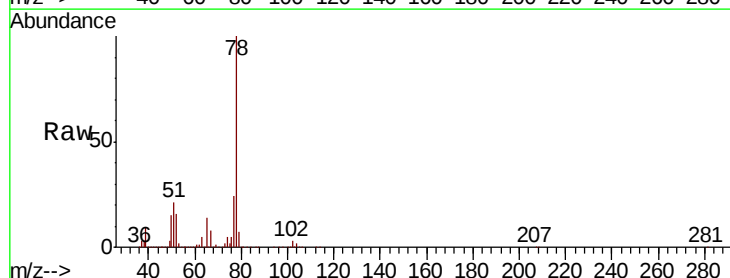
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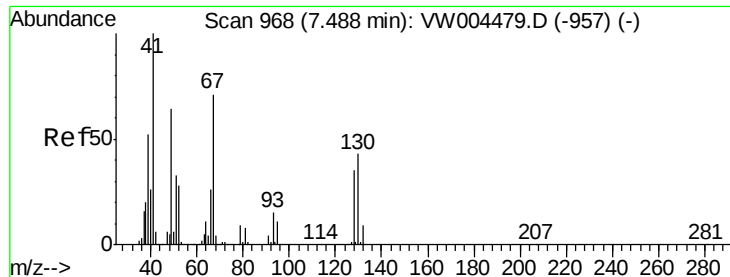
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#40
Benzene
Concen: 55.65 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





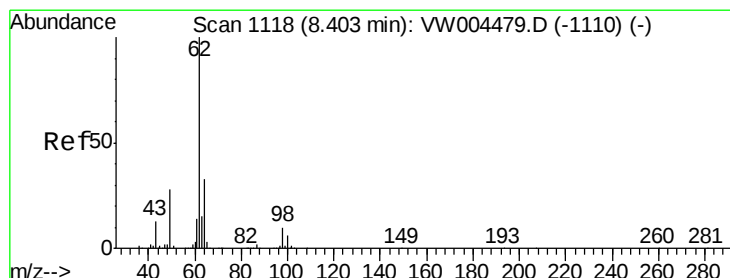
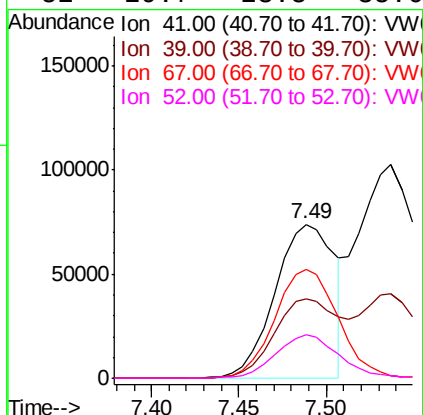
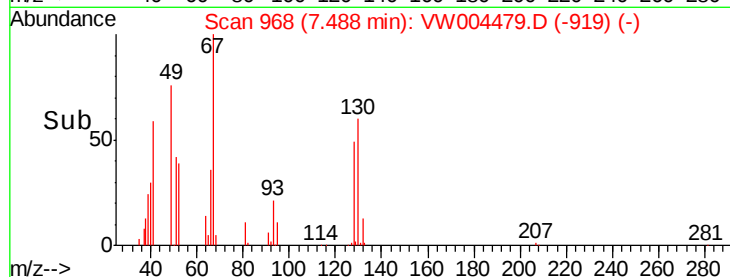
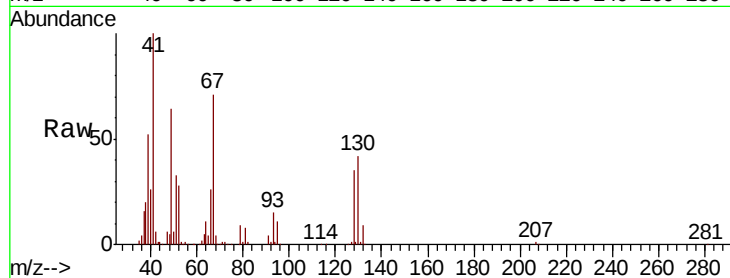
#41
Methacrylonitrile
Concen: 60.30 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		175211		
39	57.7	46.2	69.2		
67	76.0	60.8	91.2		
52	29.7	23.8	35.6		

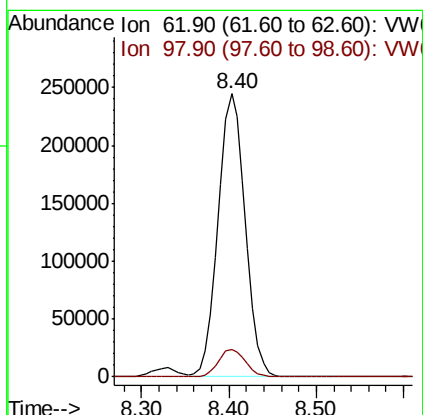
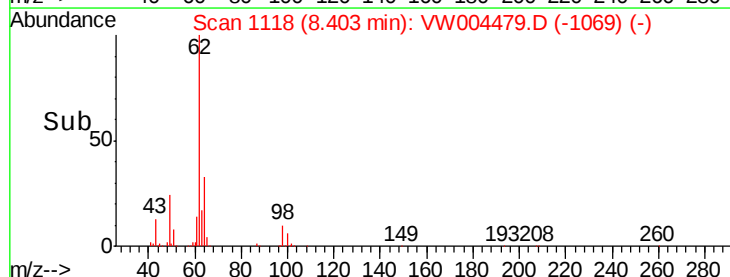
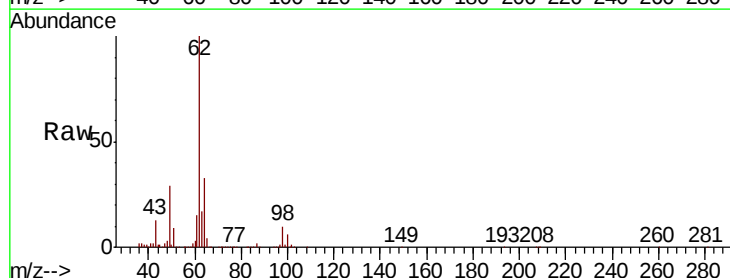
Manual Integrations
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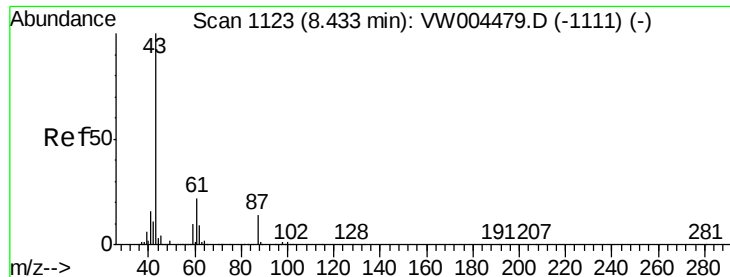
apatel
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#42
1,2-Dichloroethane
Concen: 53.35 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		525137		
98	9.8	0.0	19.6		





#43

Isopropyl Acetate

Concen: 59.61 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

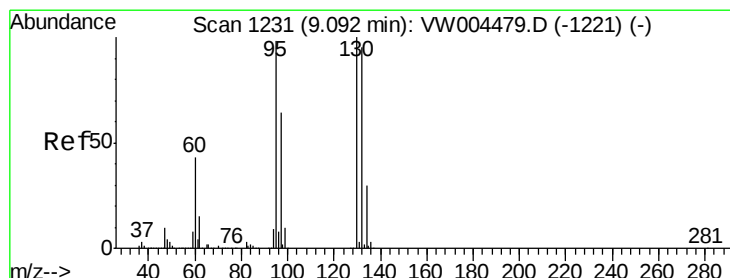
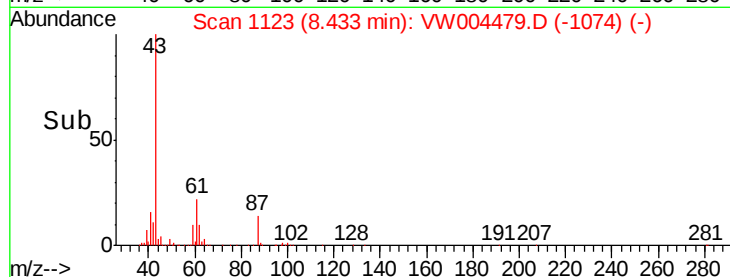
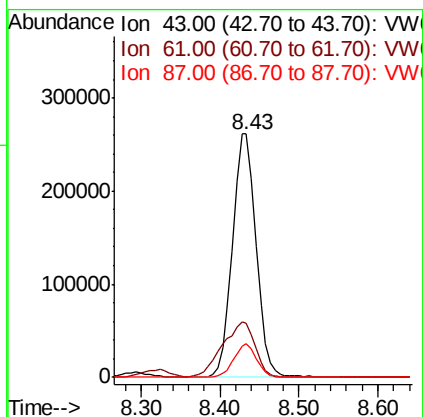
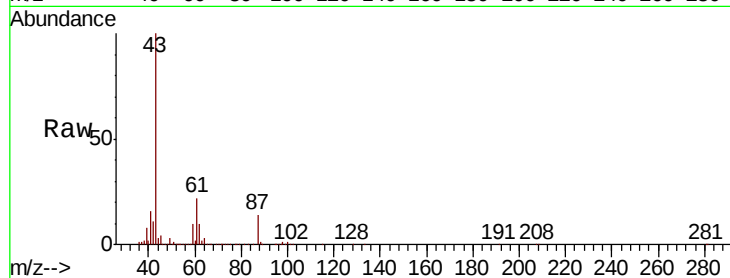
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	543529
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.2	37.8
87	13.3	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 51.02 ug/l

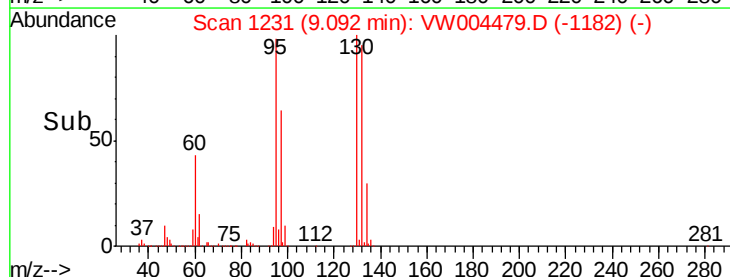
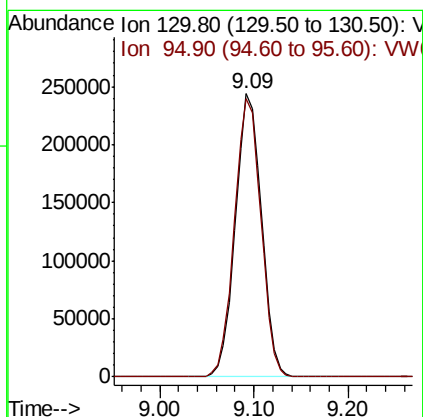
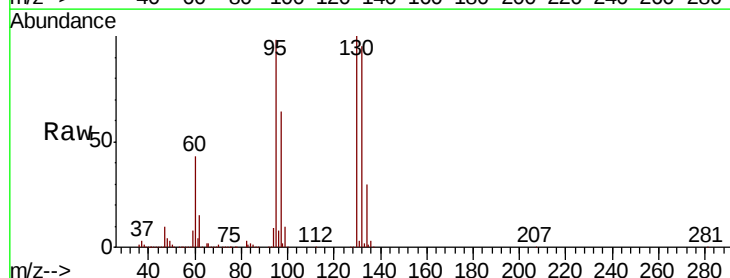
RT: 9.09 min Scan# 1231

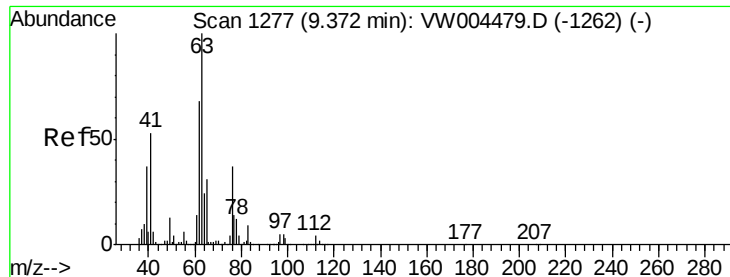
Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion:	130	Resp:	471709
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	196.2





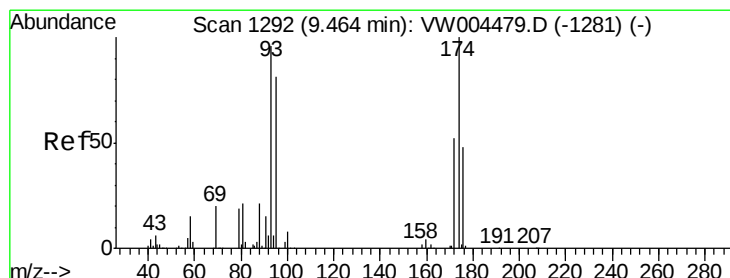
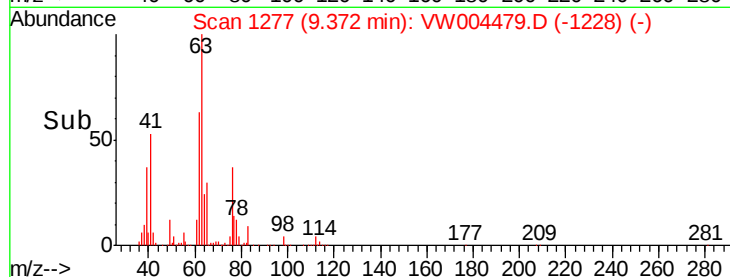
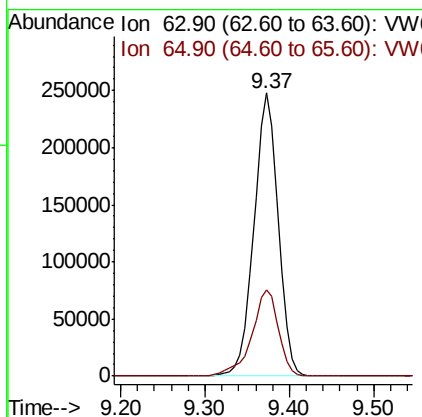
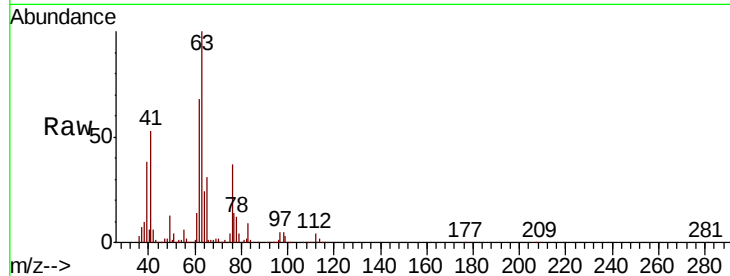
#45
 1,2-Dichloropropane
 Concen: 56.30 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.5	36.7

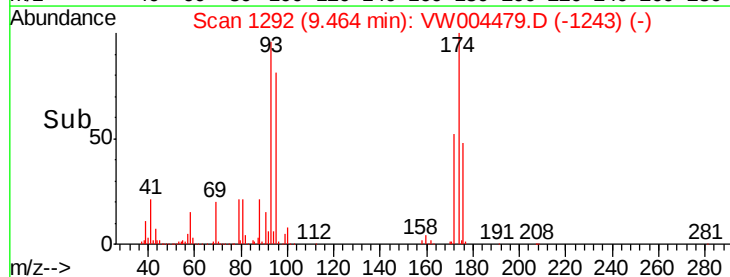
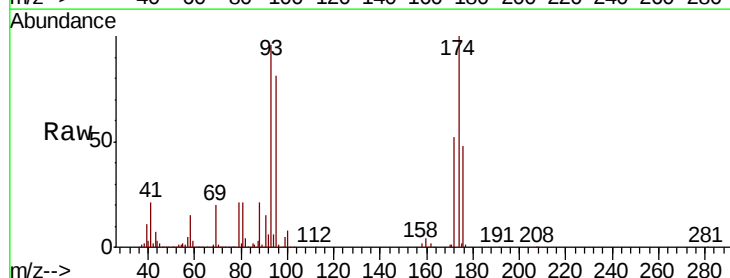
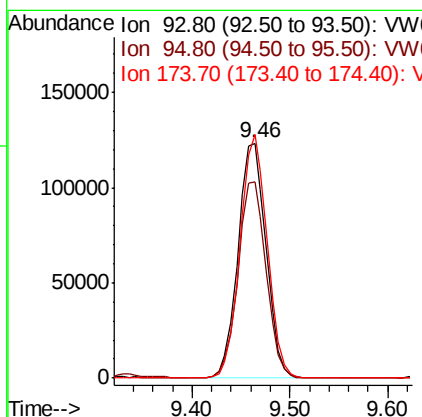
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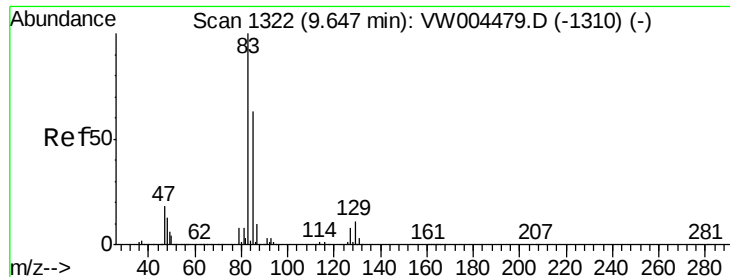
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#46
 Dibromomethane
 Concen: 55.64 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.4
174	100.3	80.2	120.4





#47

Bromodichloromethane

Concen: 52.64 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

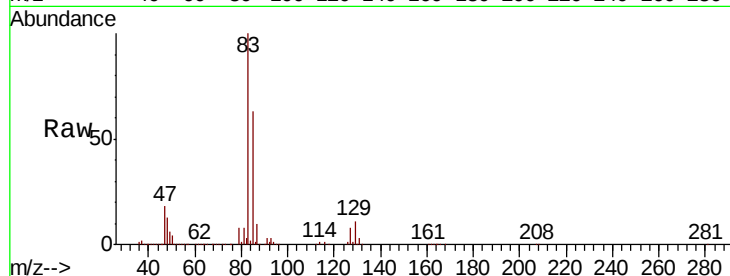
ClientSampleId :

VSTDICCC050

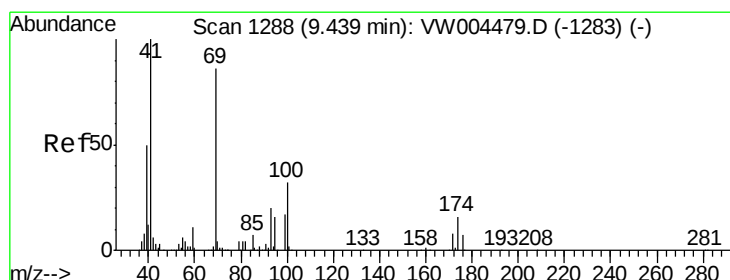
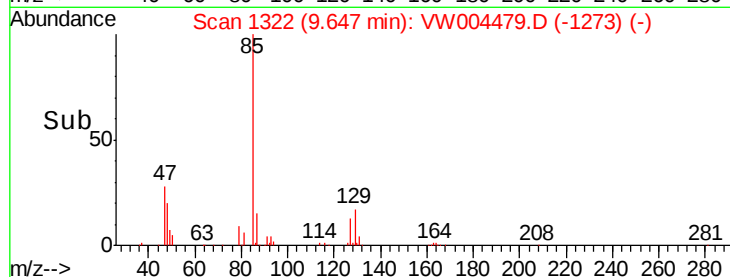
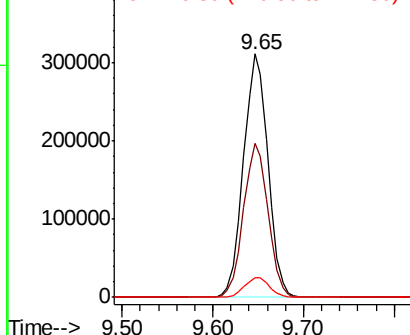
Tot Ion:	83	Resp:	579766
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	8.1	6.5	9.7

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



#48

Methyl methacrylate

Concen: 56.86 ug/l

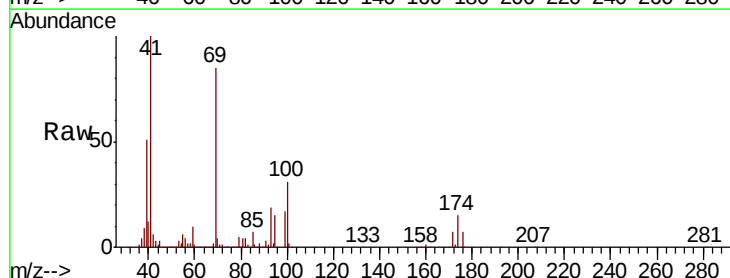
RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

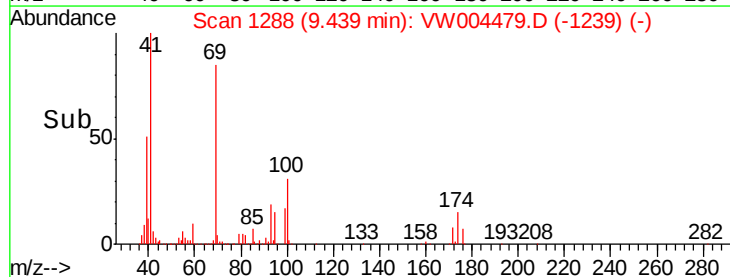
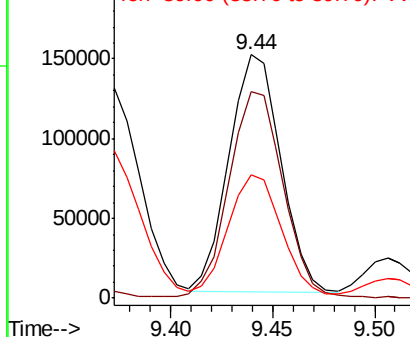
Lab File: VW004479.D

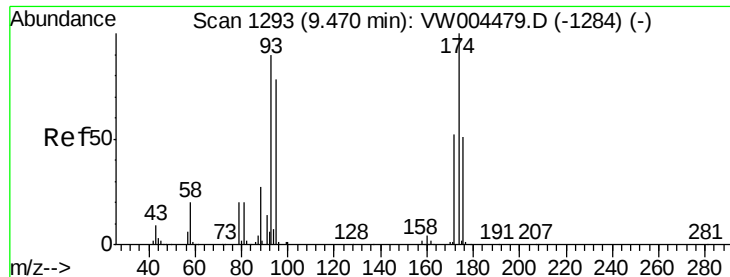
Acq: 06 Aug 2018 19:35

Tgt Ion:	41	Resp:	261933
Ion	Ratio	Lower	Upper
41	100		
69	91.5	73.2	109.8
39	50.7	40.6	60.8



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





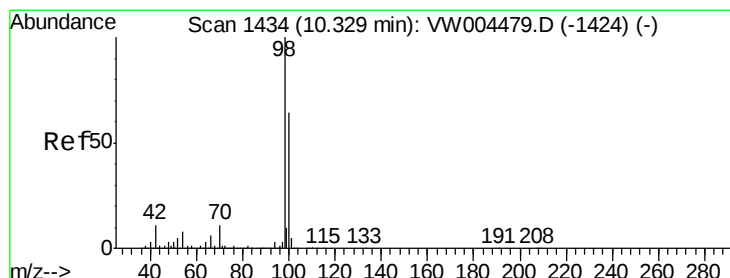
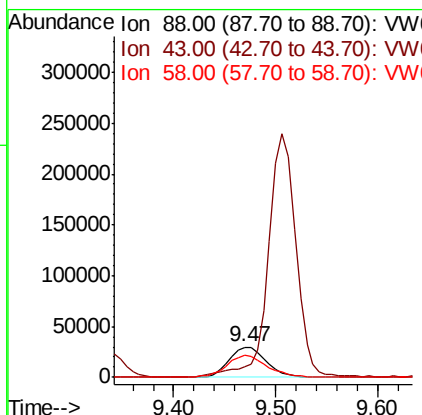
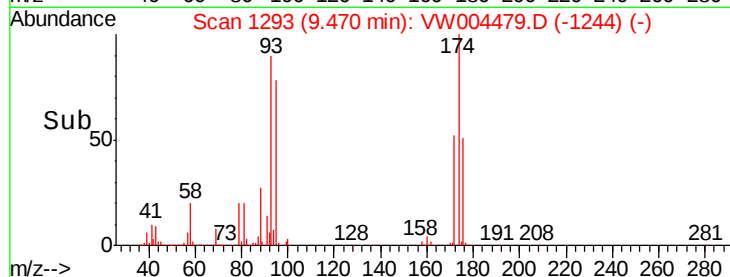
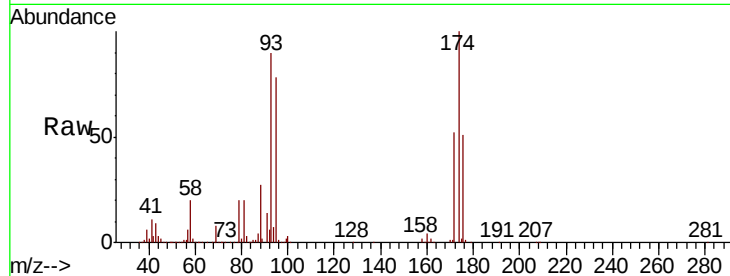
#49
 1,4-Dioxane
 Concen: 1130.28 ug/l
 RT: 9.47 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	88	Resp	75561
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	79.4	63.5	95.3

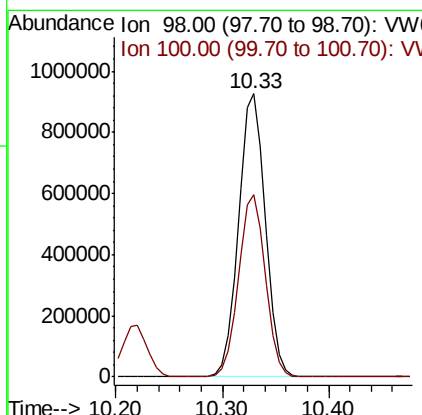
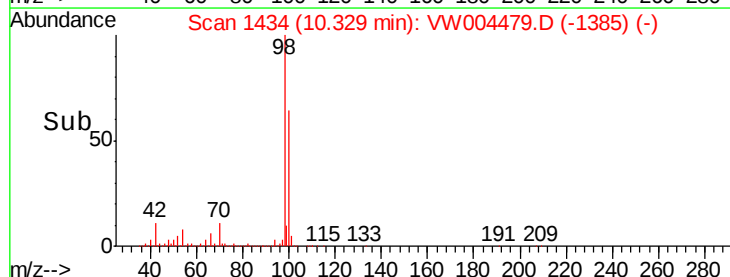
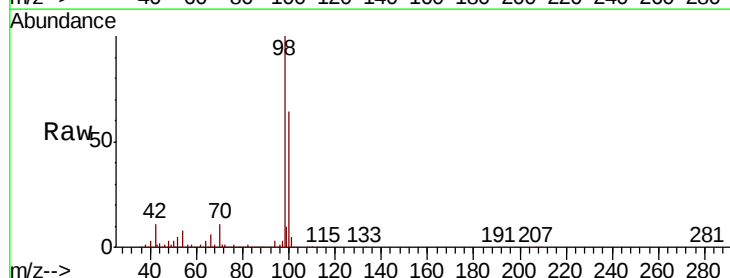
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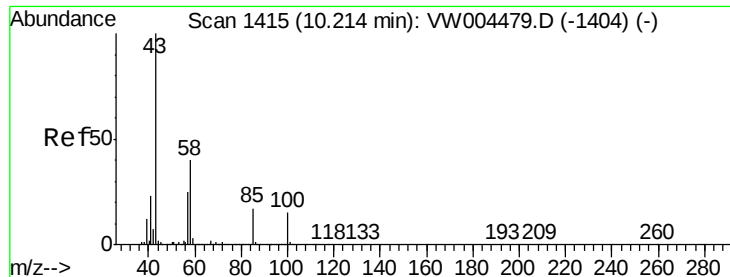
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#50
 Toluene-d8
 Concen: 53.91 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	98	Resp	1634591
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 364.12 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1933278

Ion Ratio Lower Upper

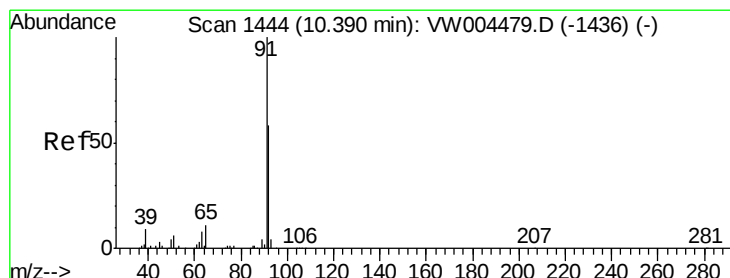
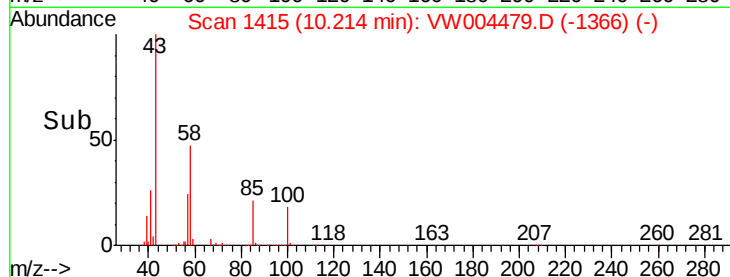
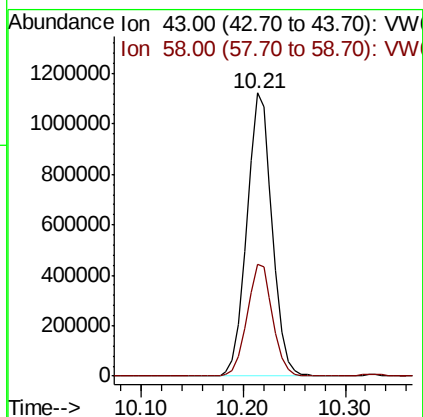
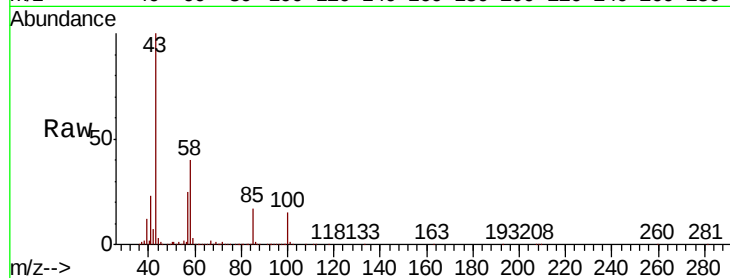
43 100

58 39.9 31.9 47.9

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#52

Toluene

Concen: 53.32 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004479.D

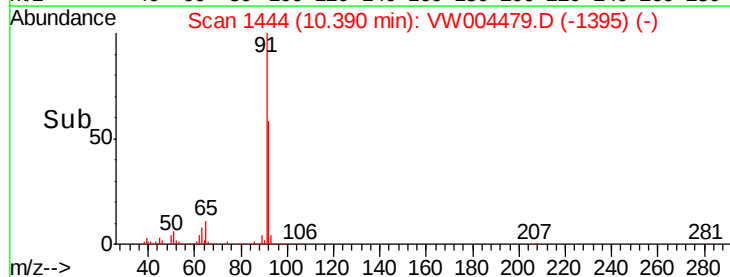
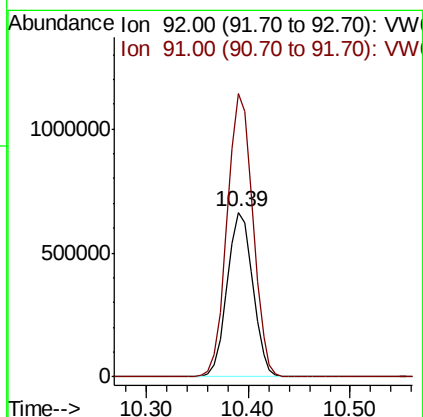
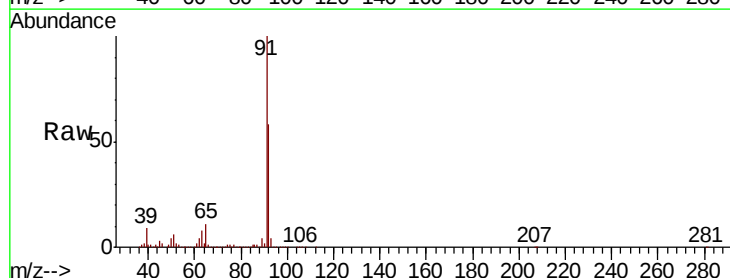
Acq: 06 Aug 2018 19:35

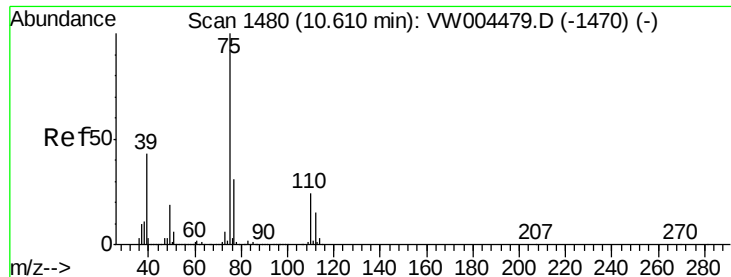
Tgt Ion: 92 Resp: 1150768

Ion Ratio Lower Upper

92 100

91 172.4 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 53.76 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 593047

Ion Ratio Lower Upper

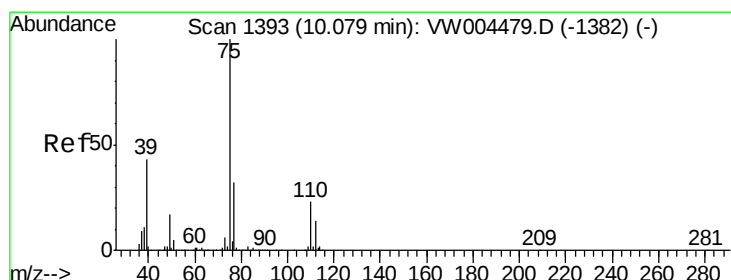
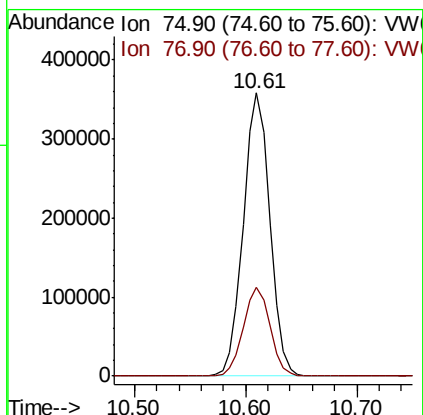
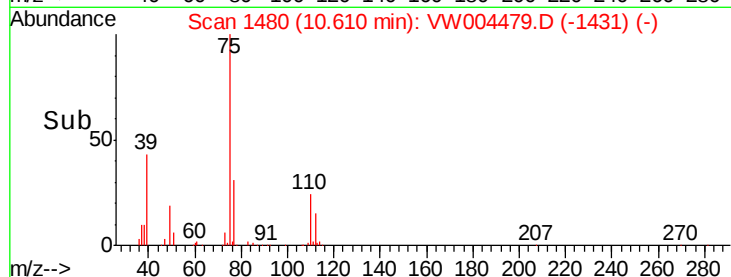
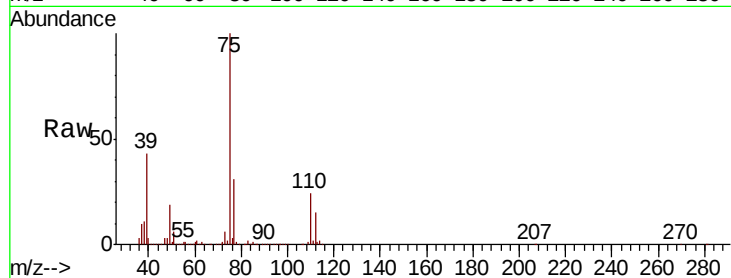
75 100

77 31.4 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 54.21 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

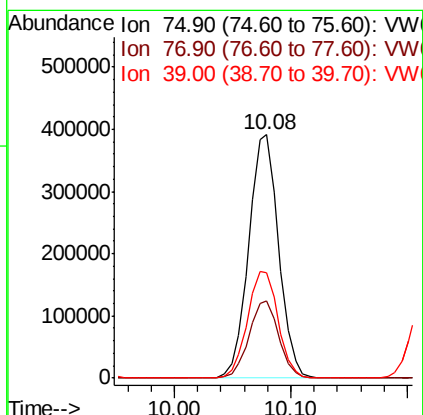
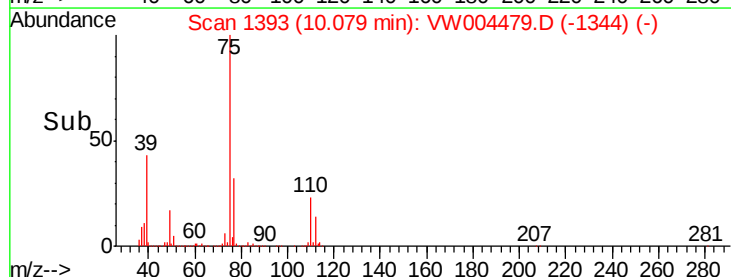
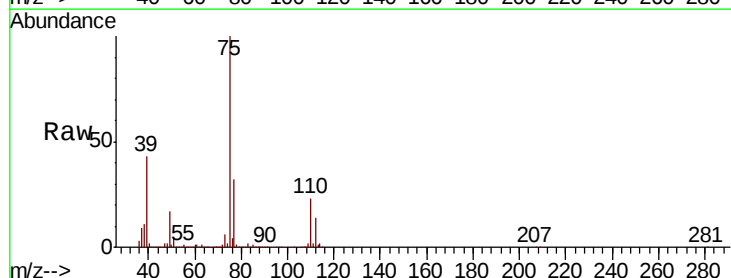
Tgt Ion: 75 Resp: 697701

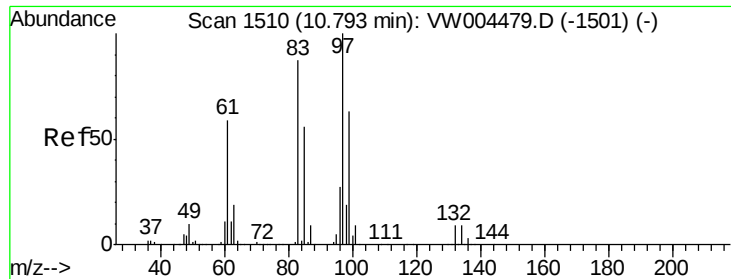
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 43.1 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 55.22 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 344985

Ion Ratio Lower Upper

97 100

83 87.3 69.8 104.8

85 56.4 45.1 67.7

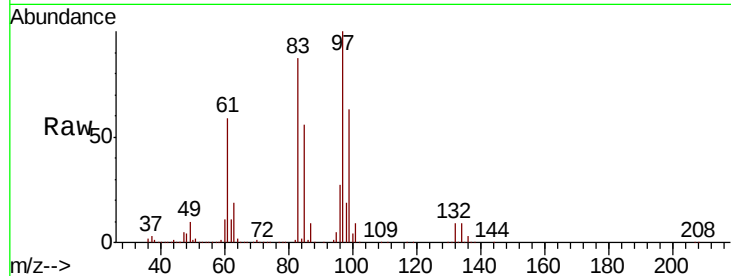
99 62.9 50.3 75.5

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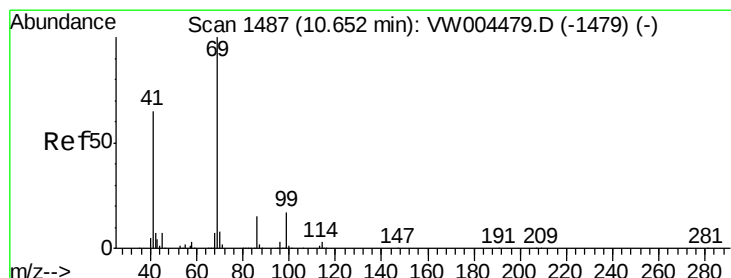
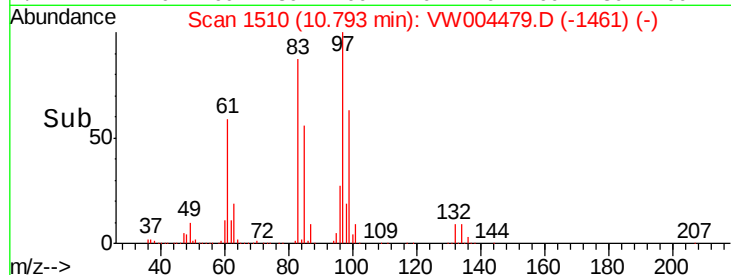
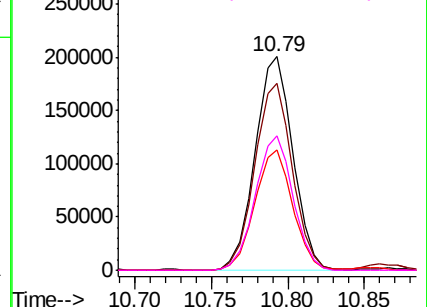
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 59.34 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

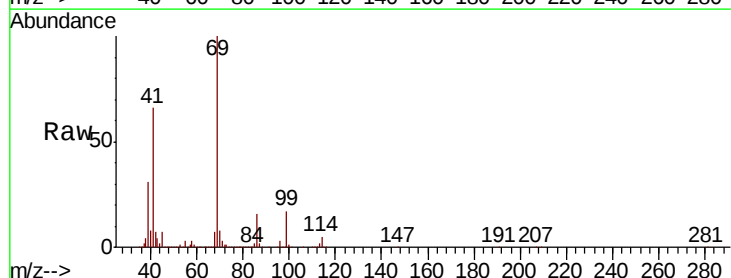
Tgt Ion: 69 Resp: 450665

Ion Ratio Lower Upper

69 100

41 65.5 52.4 78.6

39 28.4 22.7 34.1

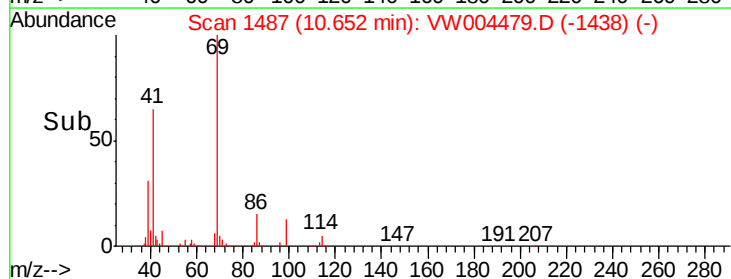
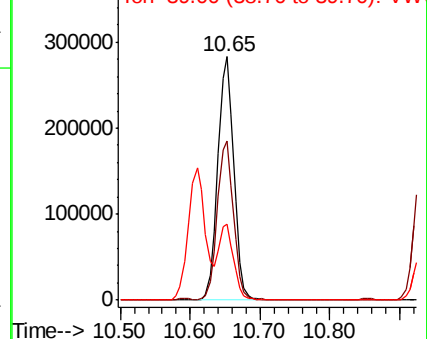


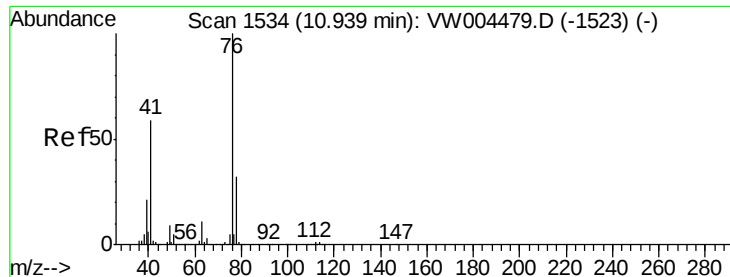
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





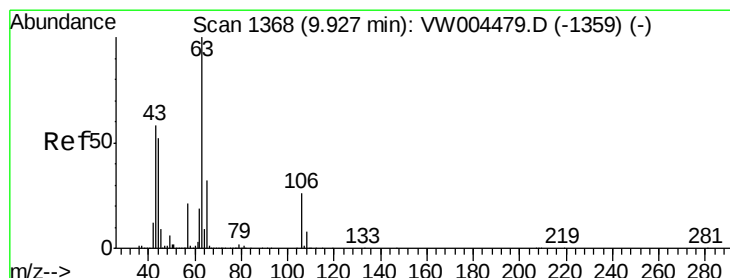
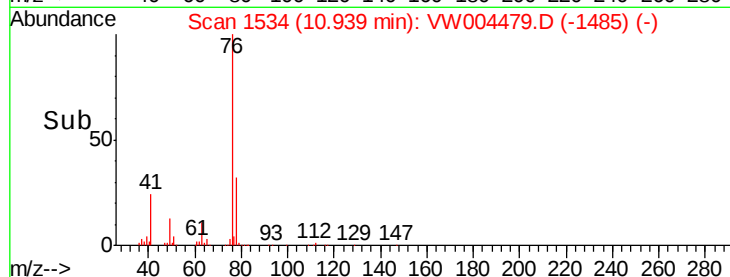
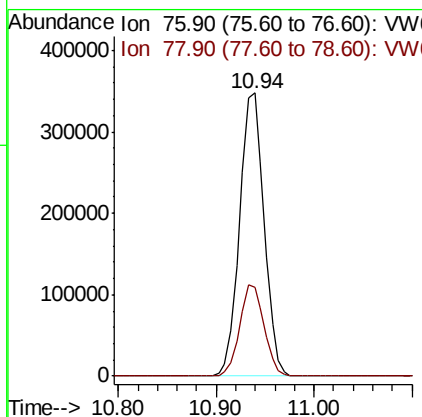
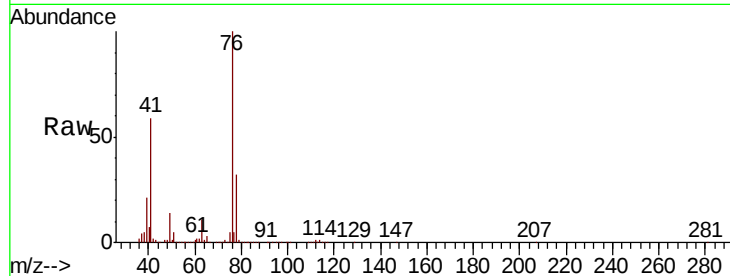
#57
 1,3-Dichloropropane
 Concen: 56.48 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

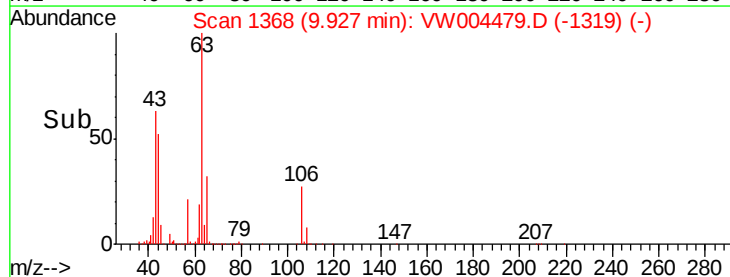
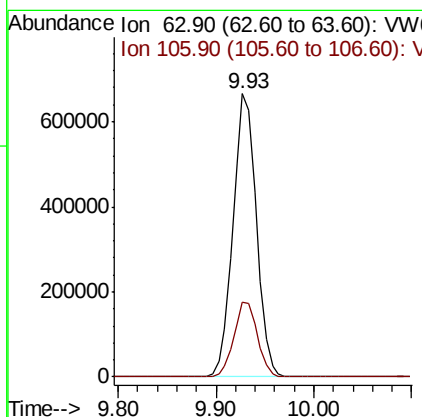
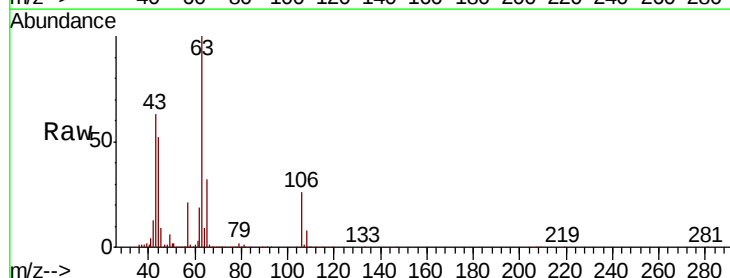
Manual Integrations
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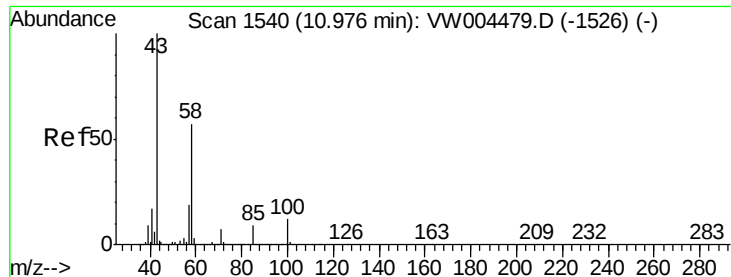
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 317.71 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.3	31.9





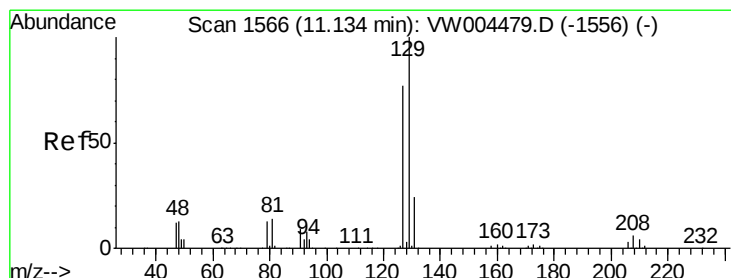
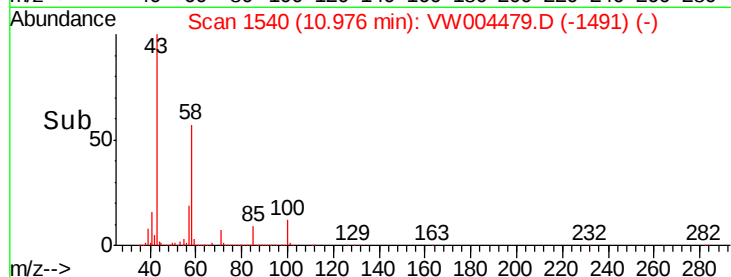
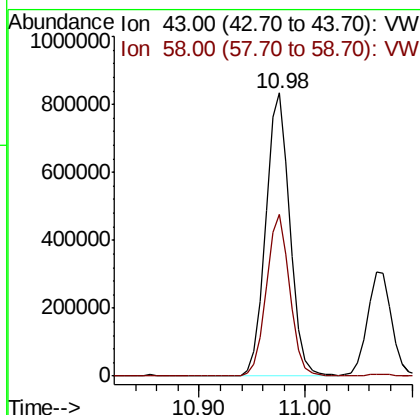
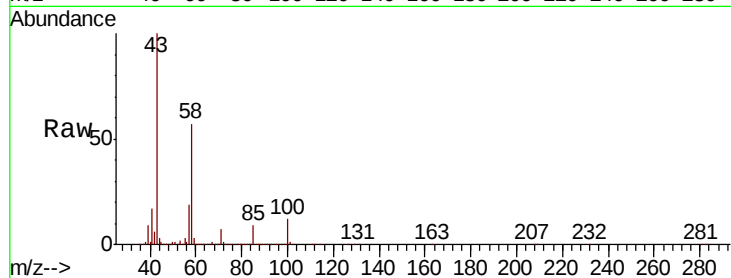
#59
2-Hexanone
Concen: 362.52 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1317275
Ion Ratio Lower Upper
43 100
58 55.7 27.9 83.6

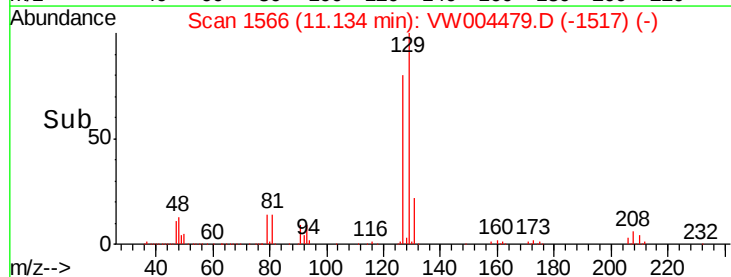
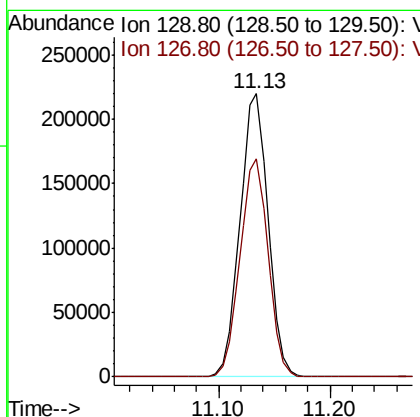
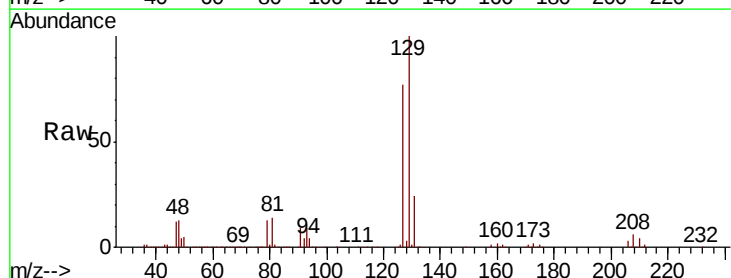
Manual Integrations
APPROVED

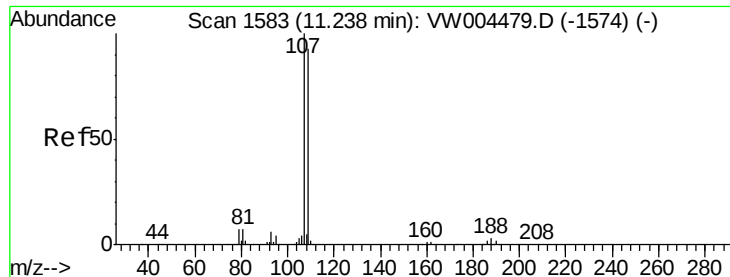
apatel
8/7/2018 4:49:06 PM



#60
Dibromochloromethane
Concen: 51.75 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 129 Resp: 383850
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





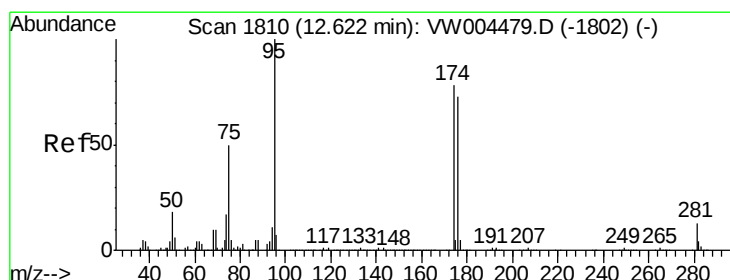
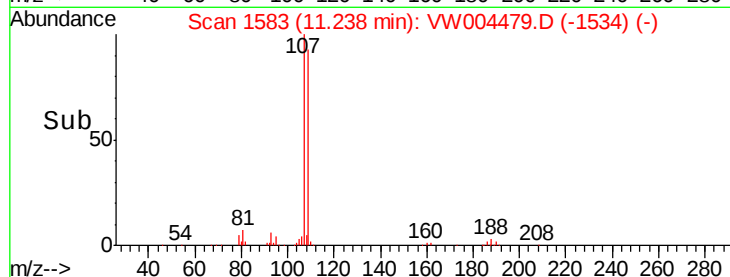
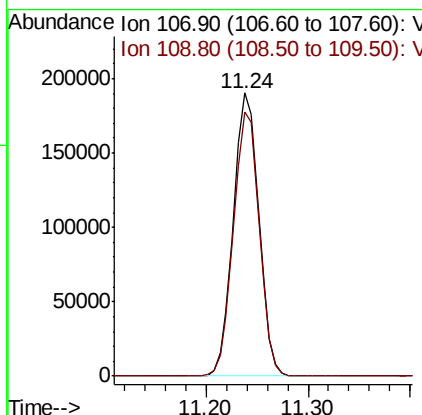
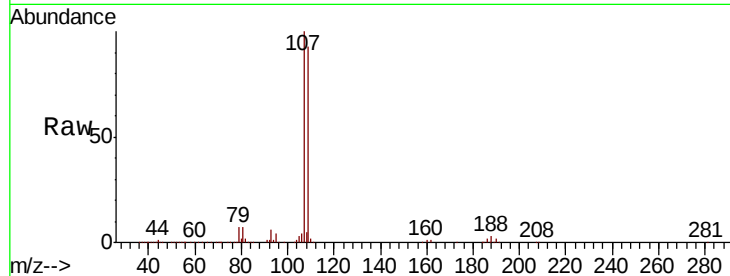
#61
 1,2-Dibromoethane
 Concen: 55.03 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.7	113.5

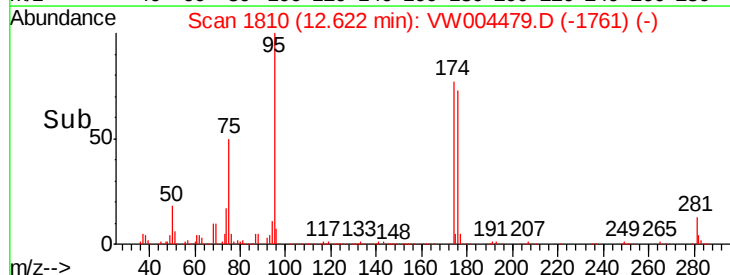
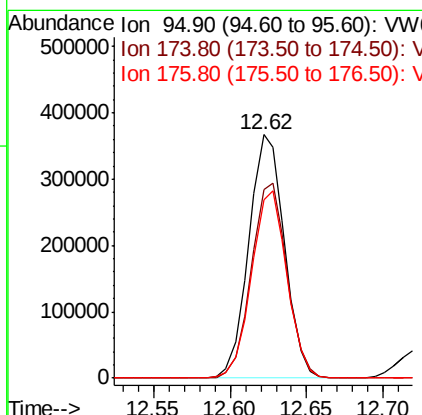
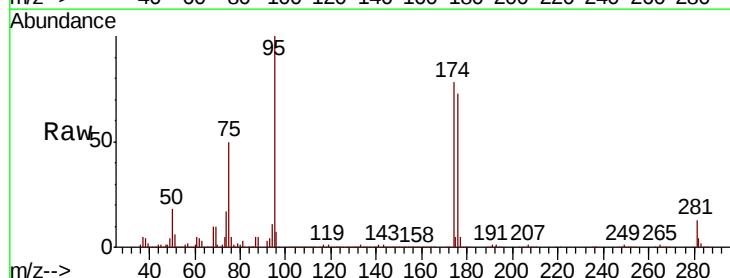
Manual Integrations
 APPROVED

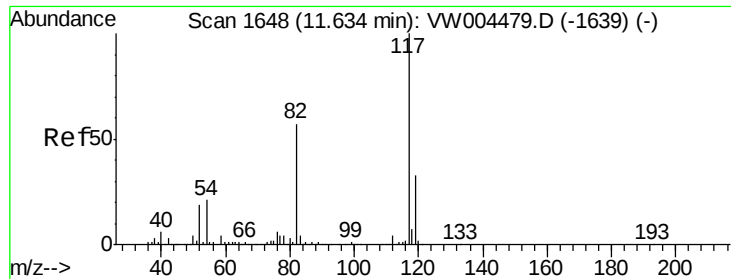
apatel
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#62
 4-Bromofluorobenzene
 Concen: 55.06 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	160.4
176	76.6	0.0	153.2





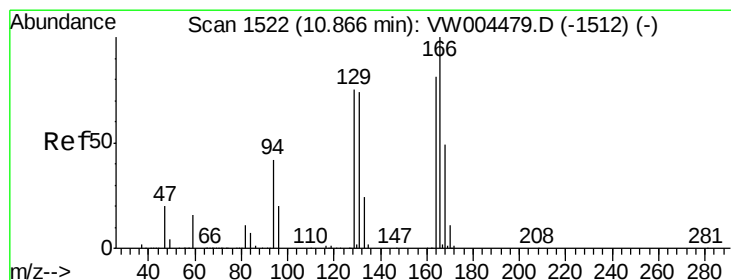
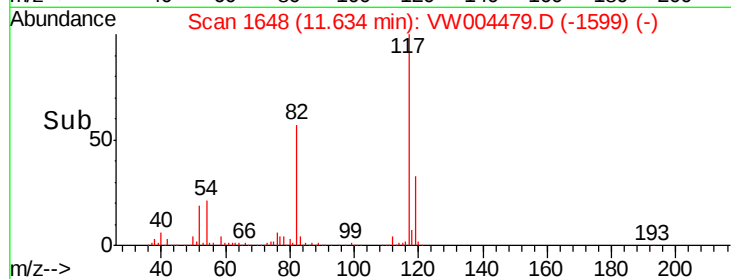
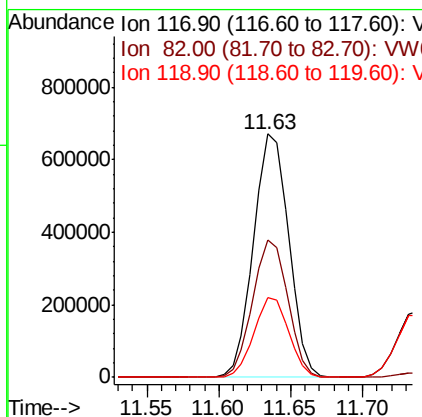
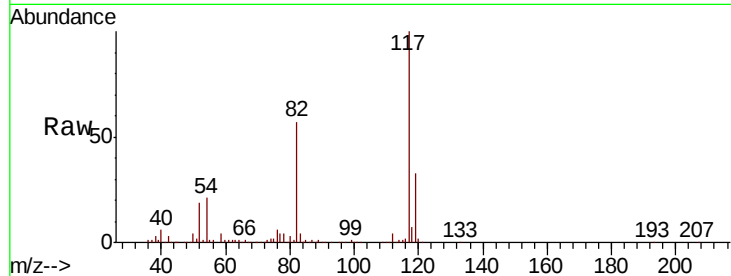
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.3	67.9
119	32.8	26.2	39.4

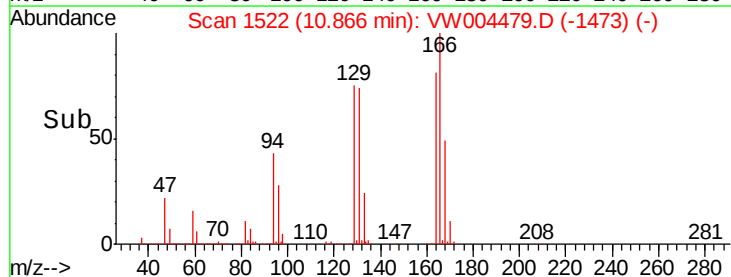
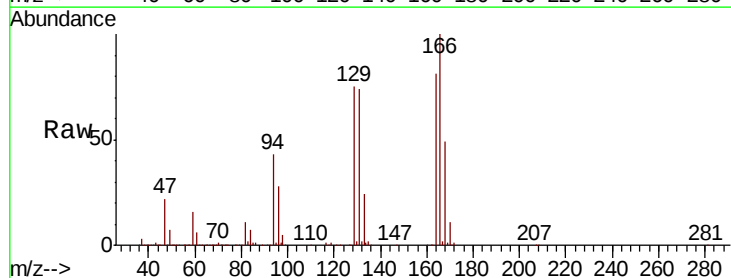
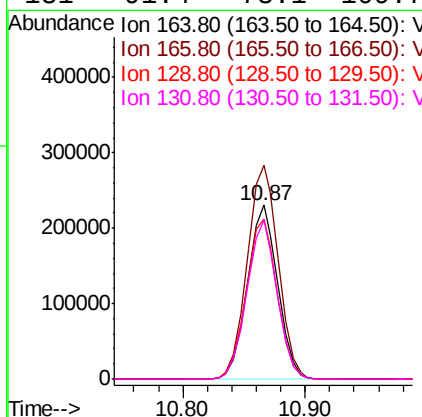
Manual Integrations
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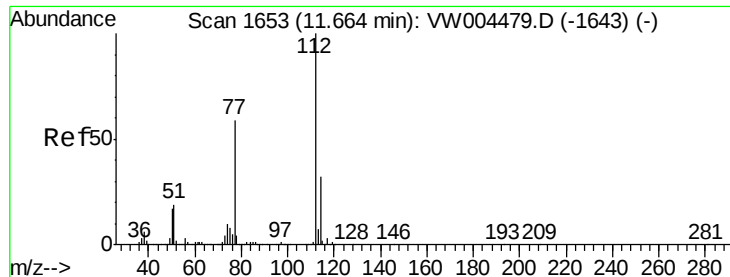
apatel
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#64
Tetrachloroethene
Concen: 47.61 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	98.4	147.6
129	92.0	73.6	110.4
131	91.4	73.1	109.7





#65

Chlorobenzene

Concen: 52.04 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 1246055

Ion Ratio Lower Upper

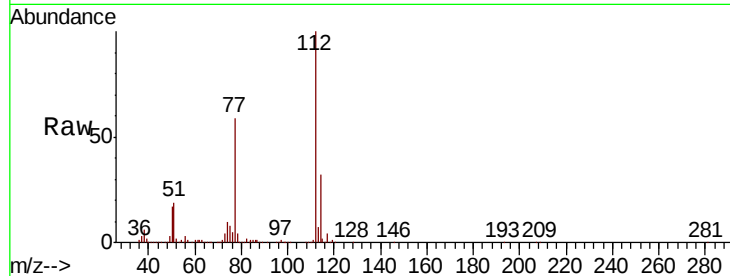
112 100

114 32.5 26.0 39.0

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

Ion 113.90 (113.60 to 114.60): V

11.66

800000

600000

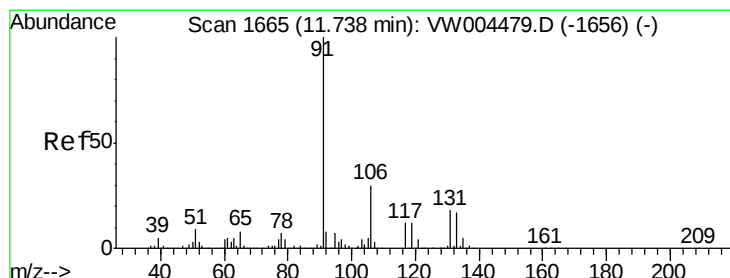
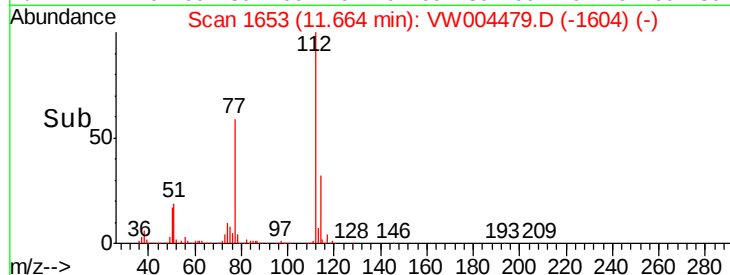
400000

200000

0

11.60 11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.55 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

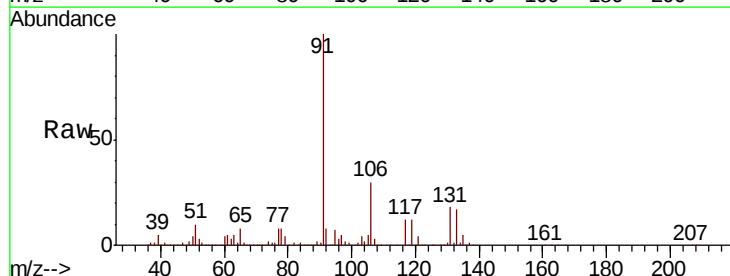
Tgt Ion:131 Resp: 427383

Ion Ratio Lower Upper

131 100

133 96.3 48.1 144.4

119 67.8 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

300000

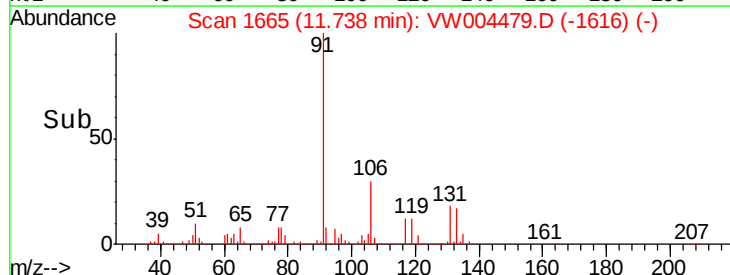
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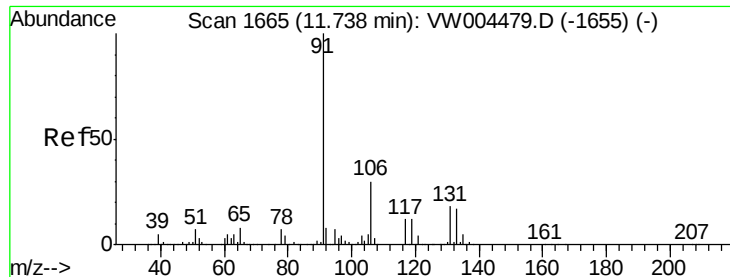
100000

0

11.70 11.80

Time-->





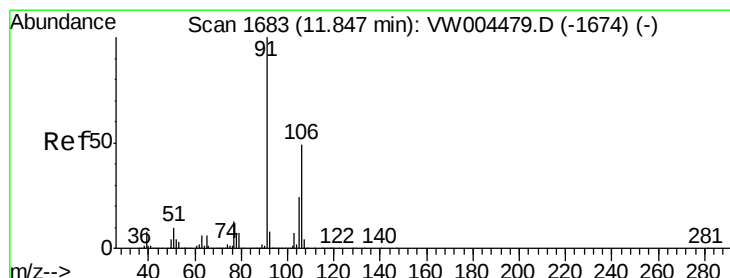
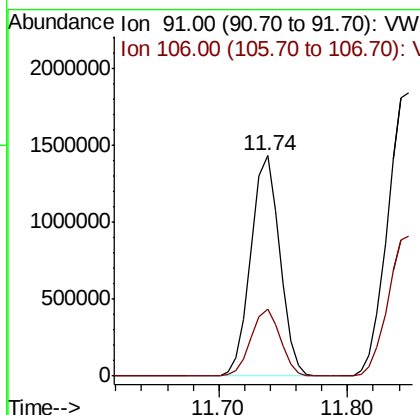
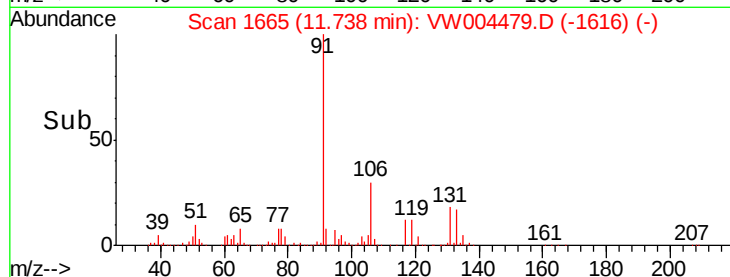
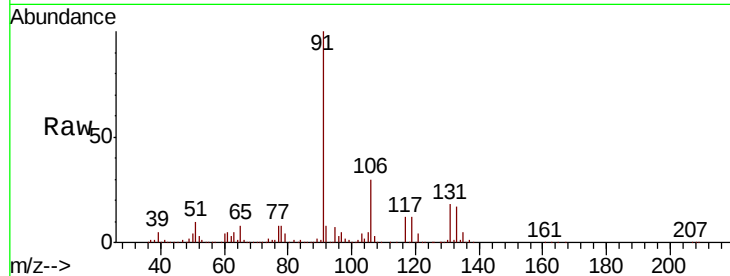
#67
Ethyl Benzene
Concen: 53.06 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2223559
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

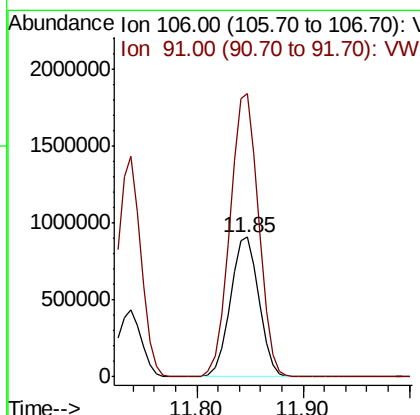
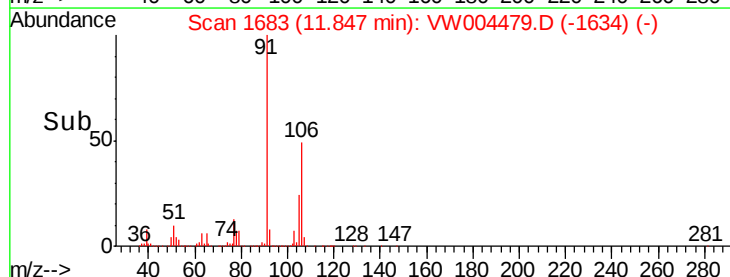
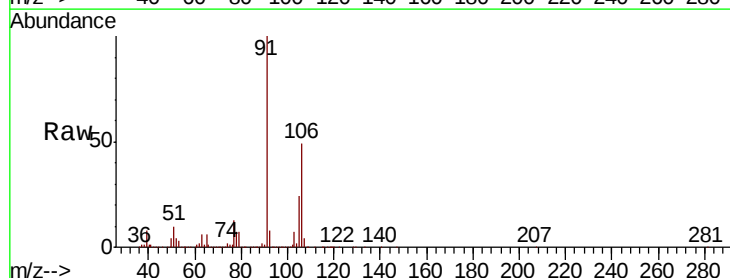
Manual Integrations
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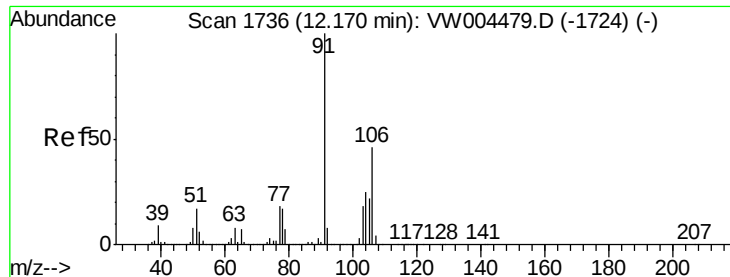
apatel
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#68
m/p-Xylenes
Concen: 106.27 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion: 106 Resp: 1708993
Ion Ratio Lower Upper
106 100
91 203.5 162.8 244.2





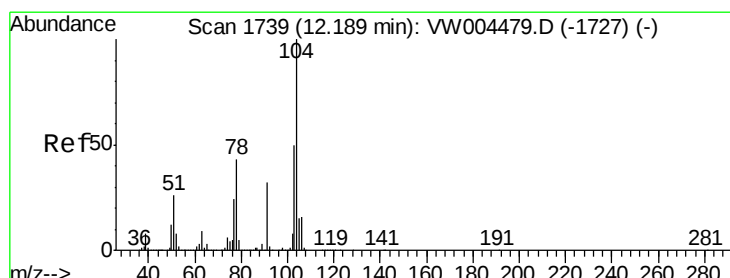
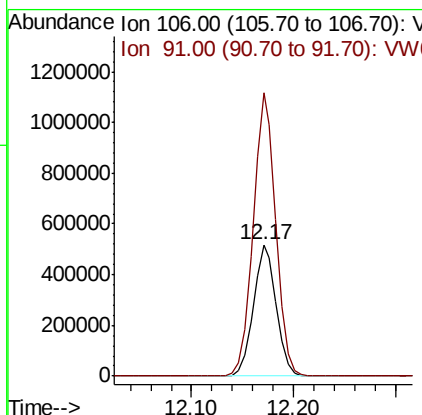
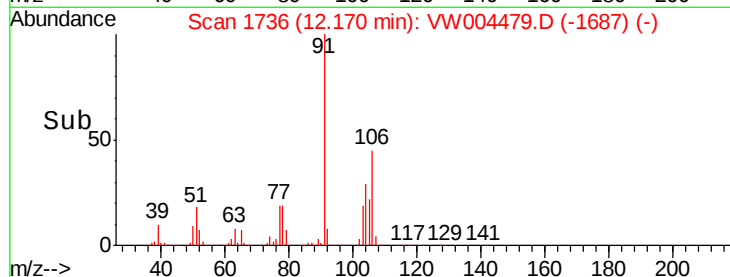
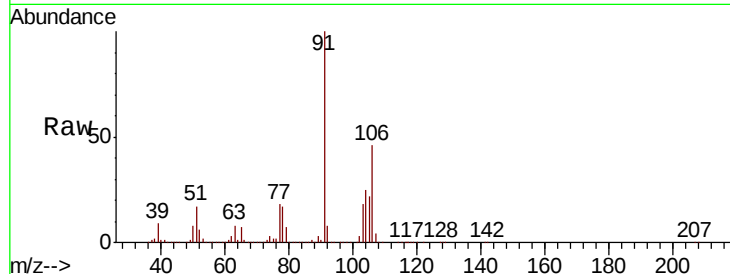
#69
o-Xylene
Concen: 54.17 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.5	106.7	320.2	

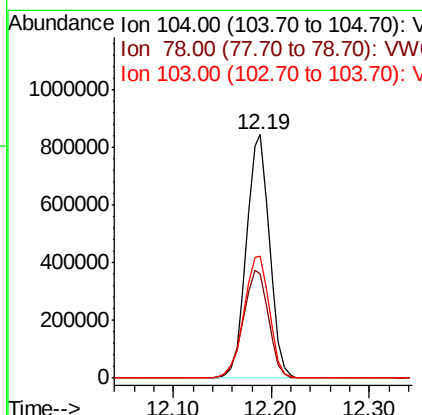
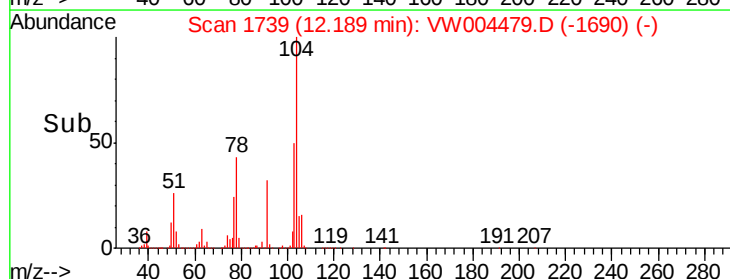
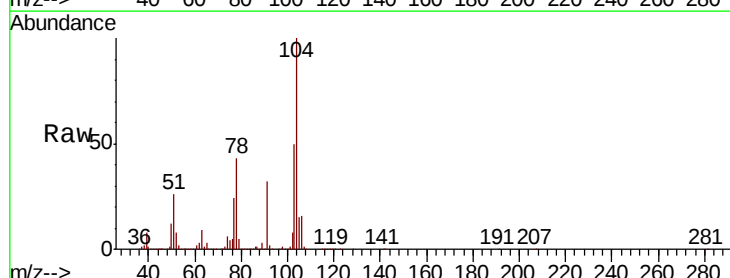
Manual Integrations
APPROVED

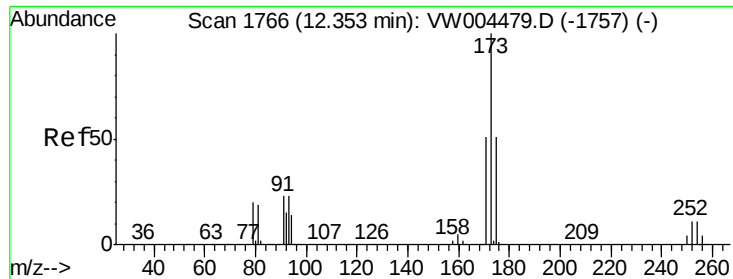
apatel
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#70
Styrene
Concen: 54.67 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.7	39.0	58.4	
103	55.2	44.2	66.2	





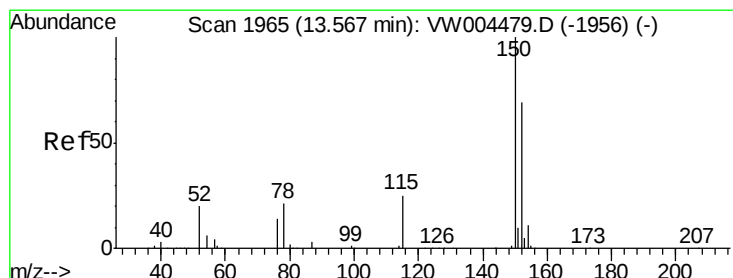
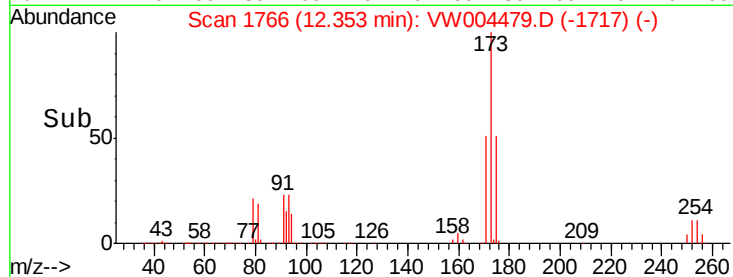
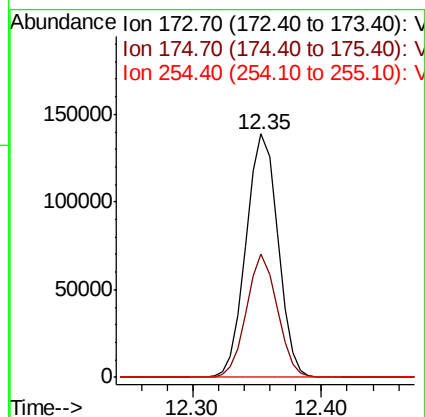
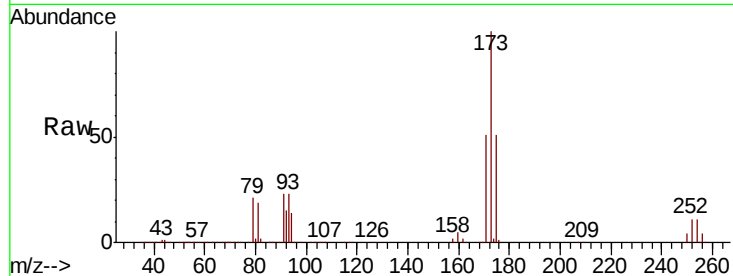
#71
Bromoform
Concen: 50.17 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.2	0.2	0.2

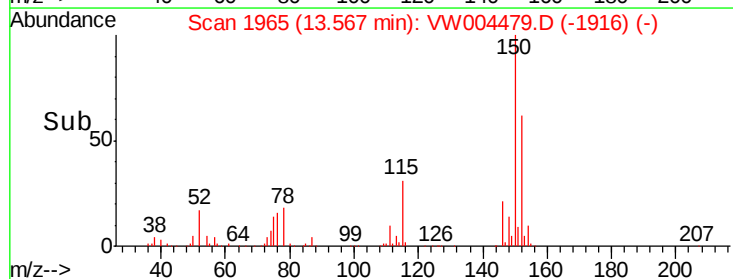
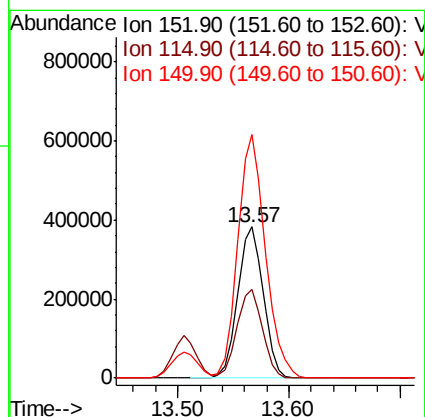
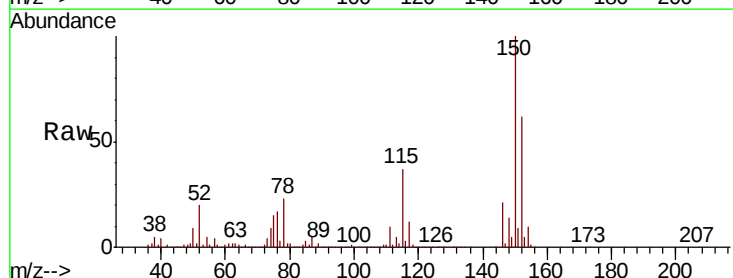
Manual Integrations
APPROVED

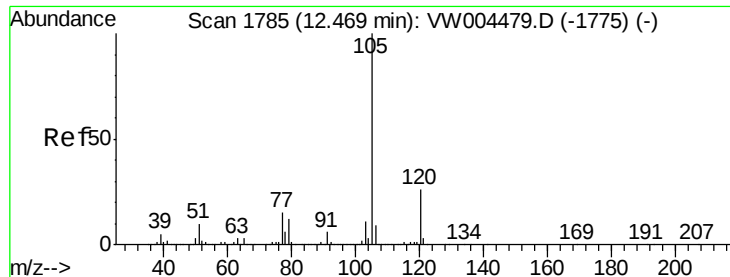
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.1	87.3
150	174.8	0.0	349.6





#73

Isopropylbenzene

Concen: 52.29 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2205527

Ion Ratio Lower Upper

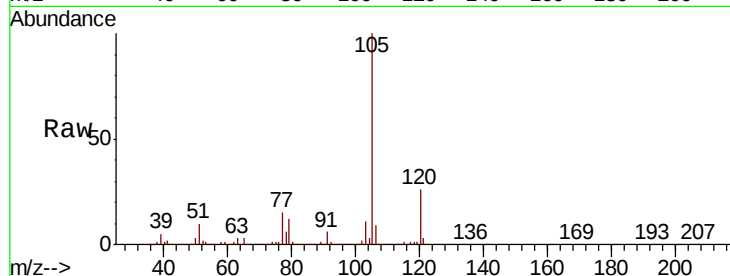
105 100

120 26.4 13.2 39.6

Manual Integrations
APPROVED

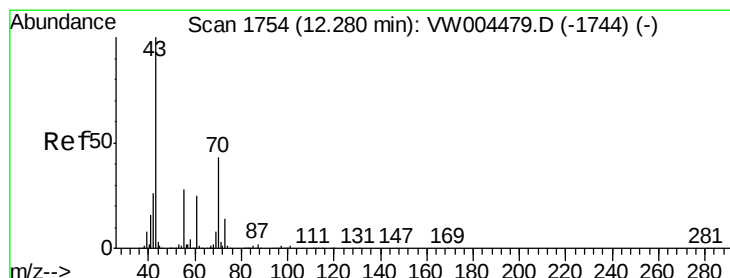
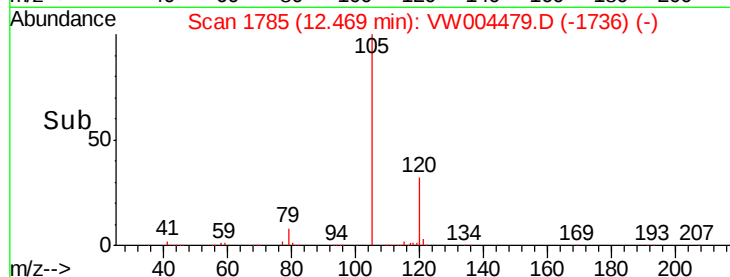
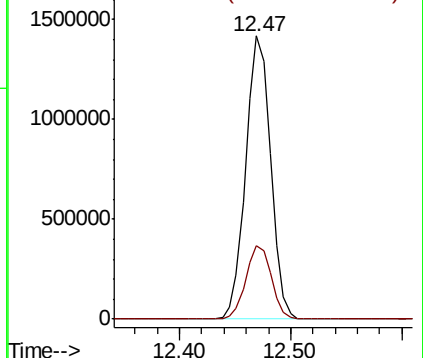
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.19 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion: 43 Resp: 529857

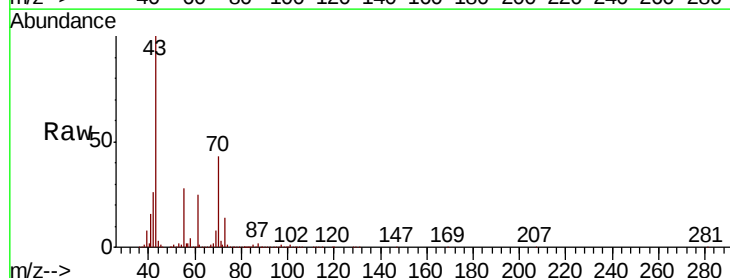
Ion Ratio Lower Upper

43 100

70 44.1 35.3 52.9

55 28.6 22.9 34.3

61 24.6 19.7 29.5

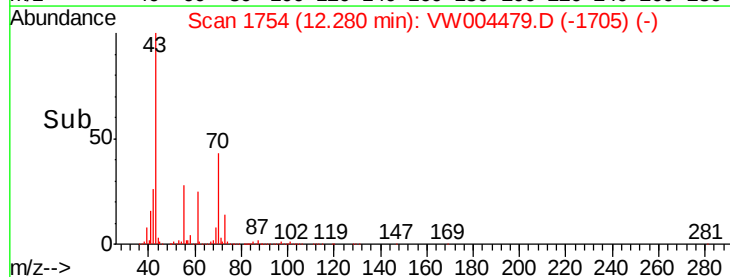
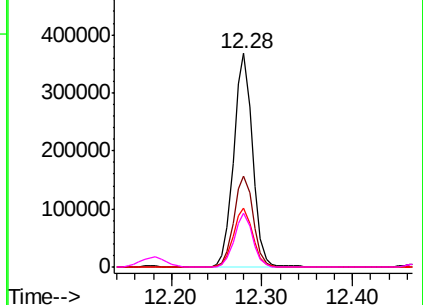


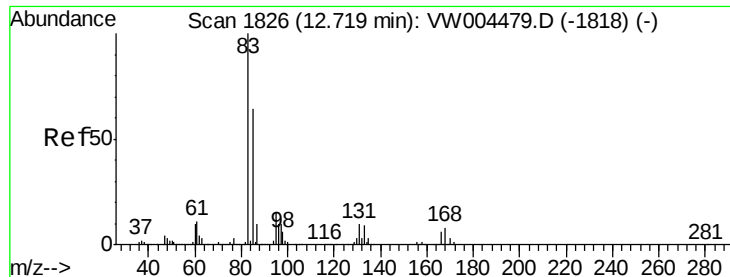
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 58.29 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

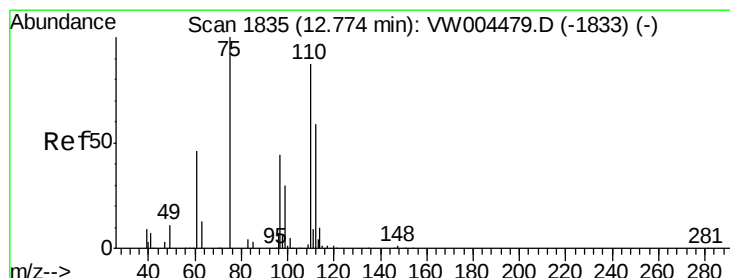
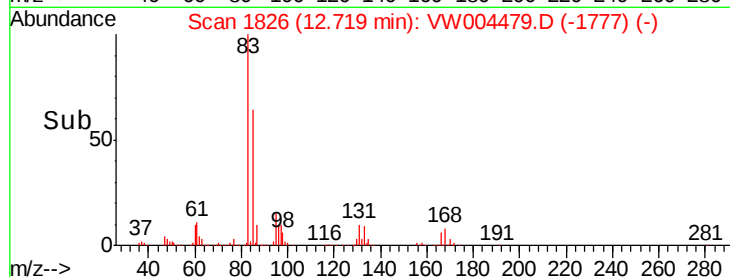
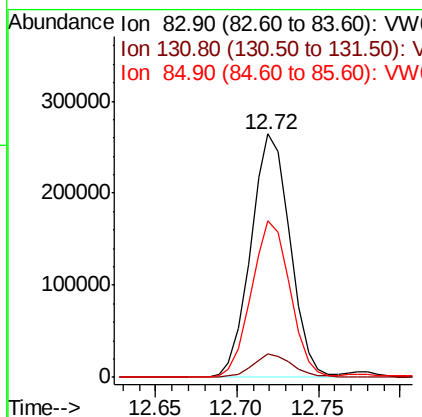
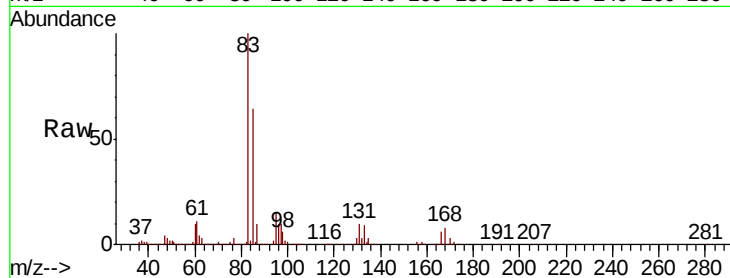
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	440604
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 55.51 ug/l m

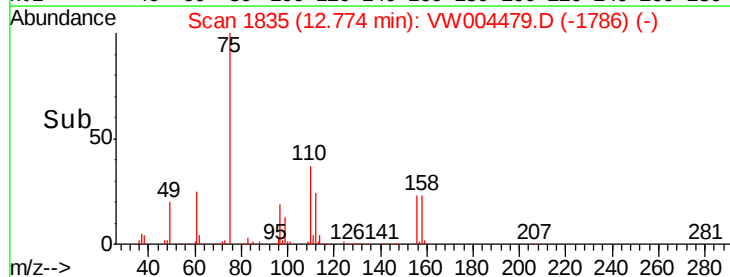
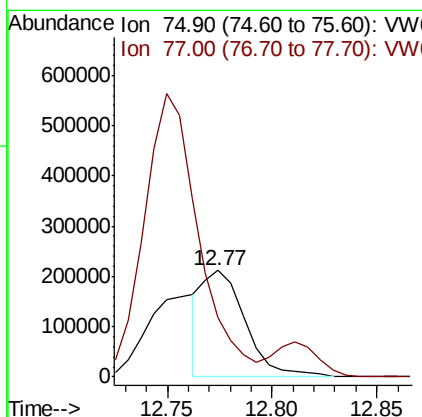
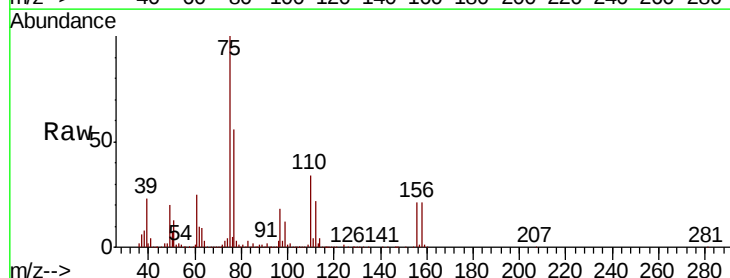
RT: 12.77 min Scan# 1835

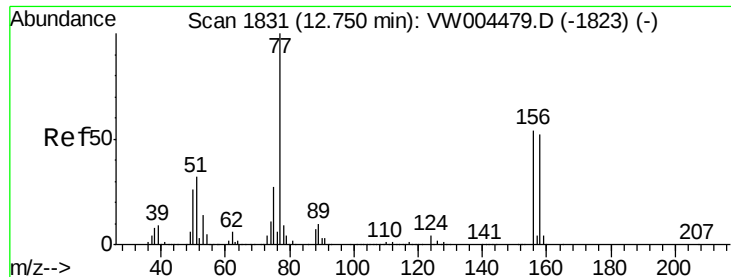
Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion:	75	Resp:	303336
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





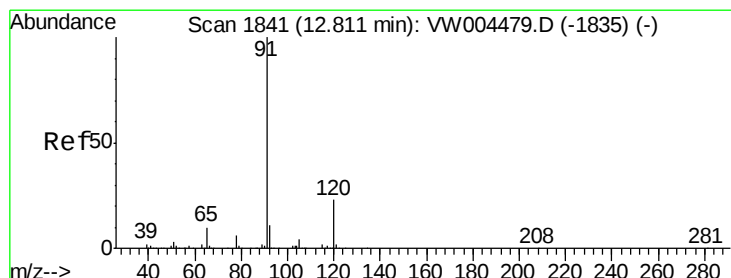
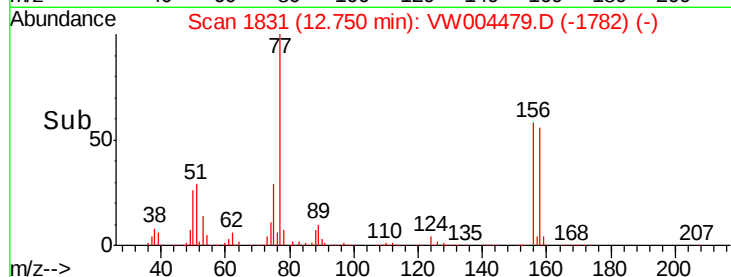
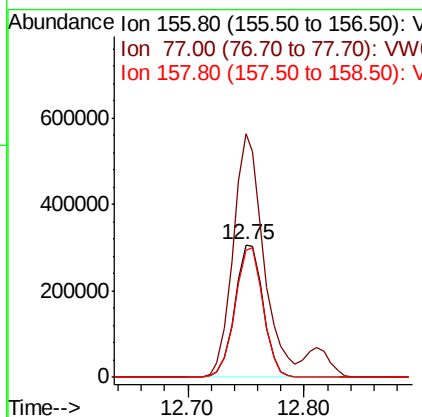
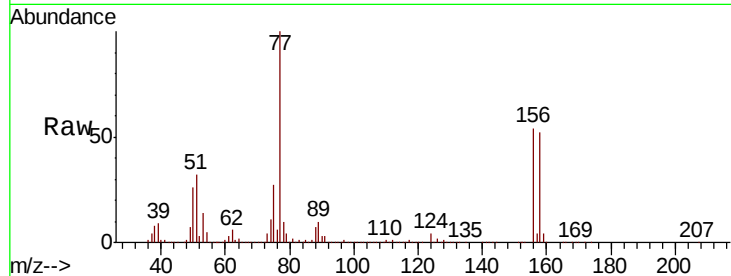
#77
Bromobenzene
Concen: 50.90 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	197.4	98.7	296.1
158	97.4	48.7	146.1

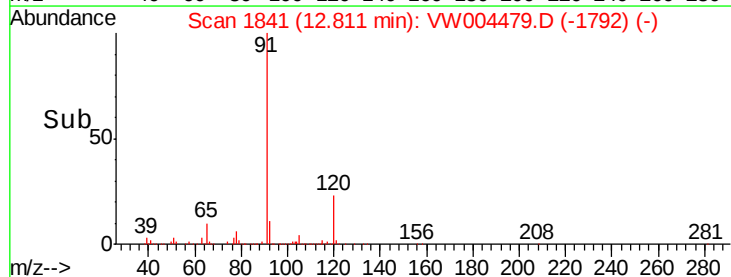
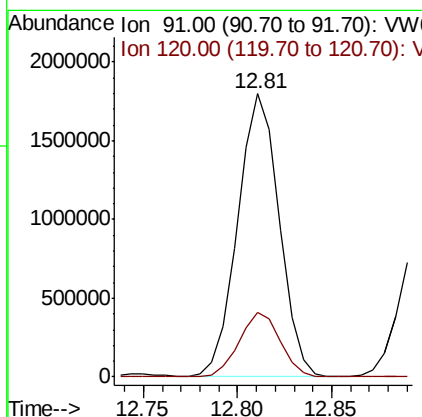
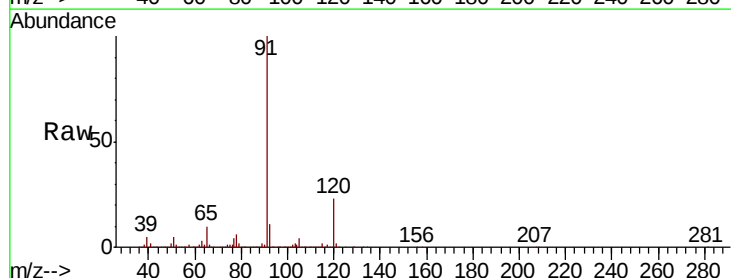
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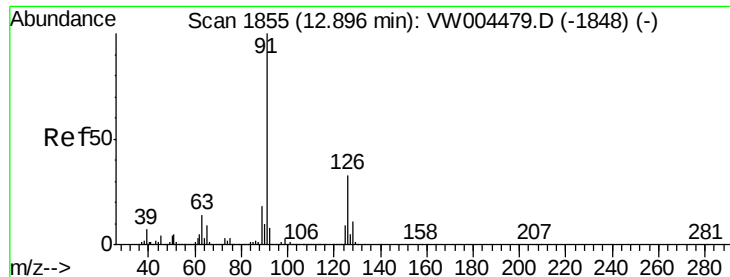
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#78
n-propylbenzene
Concen: 53.53 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 52.94 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1555242

Ion Ratio Lower Upper

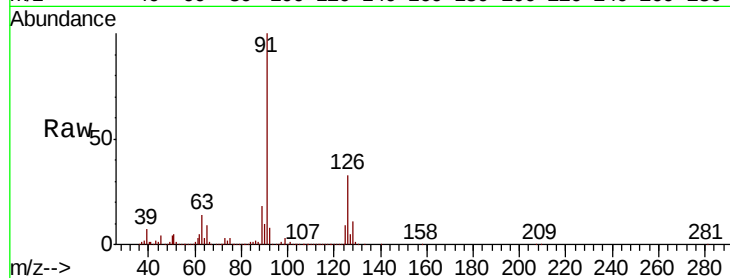
91 100

126 33.2 16.6 49.8

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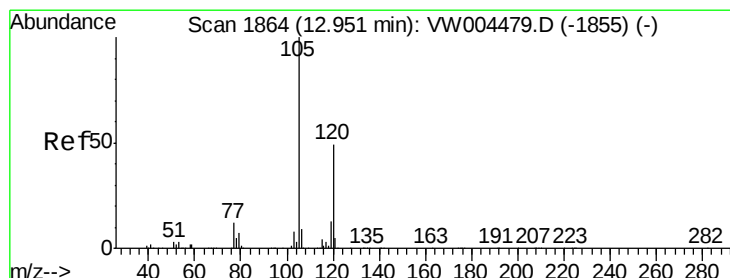
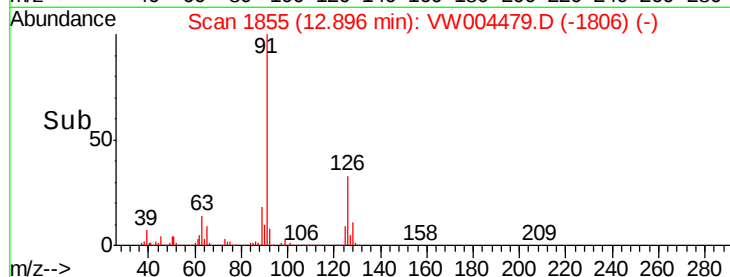
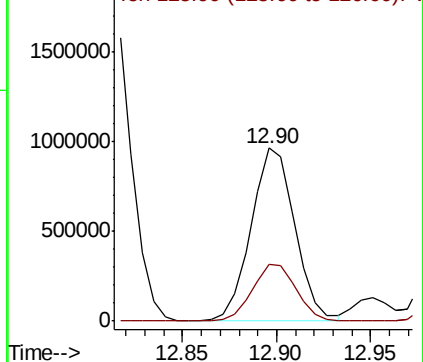
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.44 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004479.D

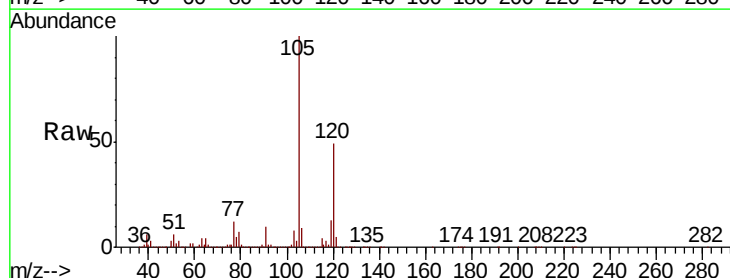
Acq: 06 Aug 2018 19:35

Tgt Ion:105 Resp: 1904516

Ion Ratio Lower Upper

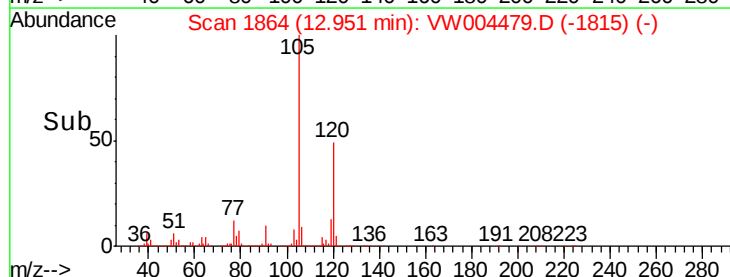
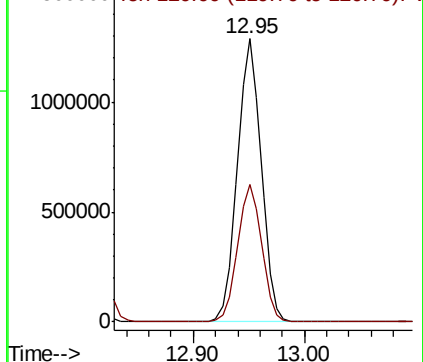
105 100

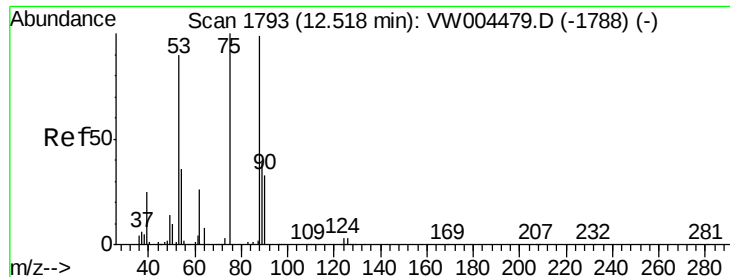
120 49.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





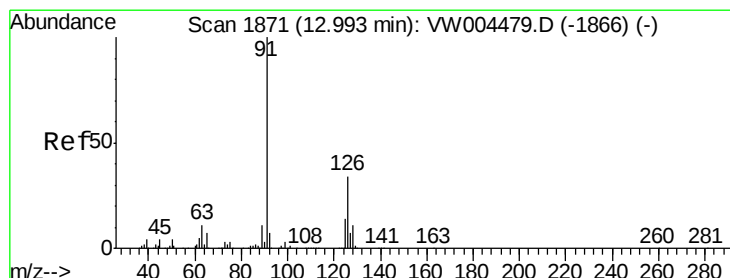
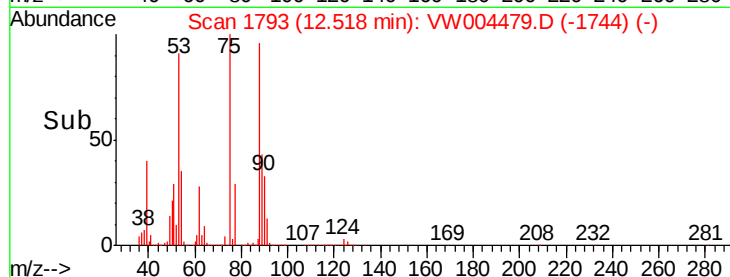
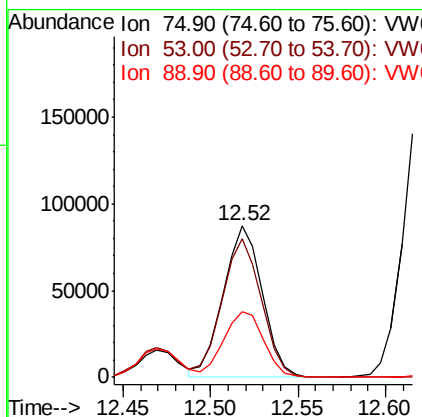
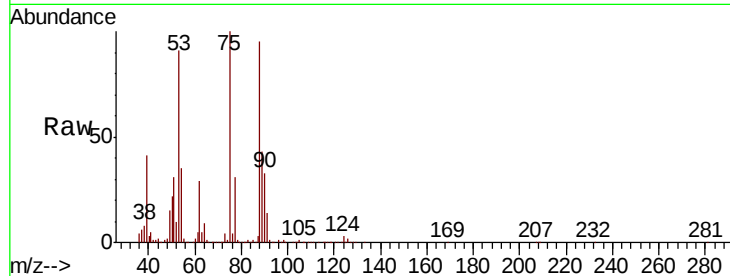
#81
trans-1,4-Dichloro-2-butene
Concen: 55.64 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	74.4	111.6
89	44.9	35.9	53.9

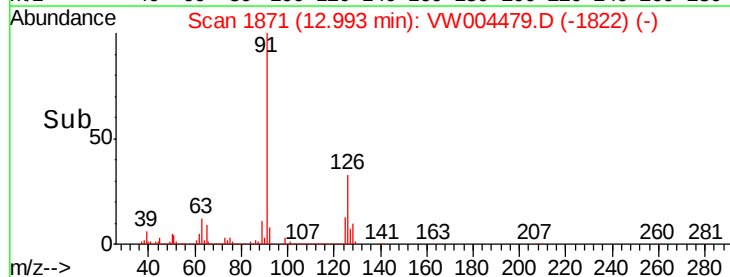
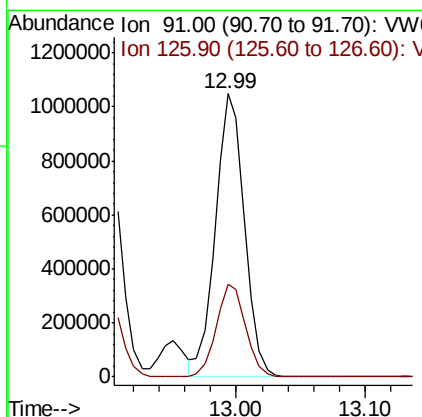
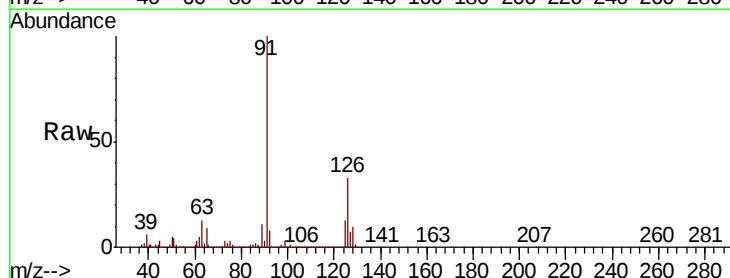
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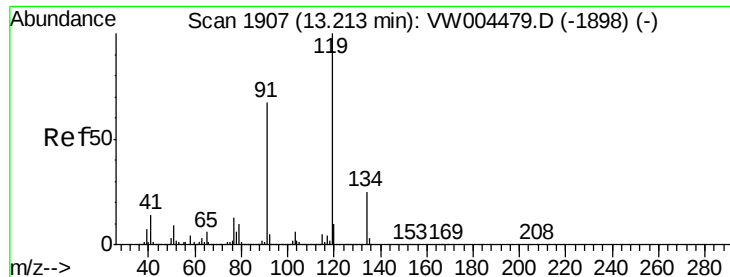
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#82
4-Chlorotoluene
Concen: 52.85 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





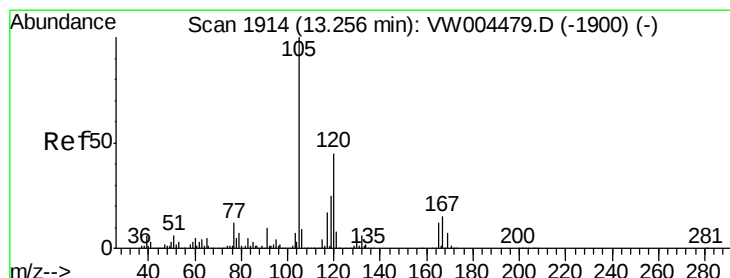
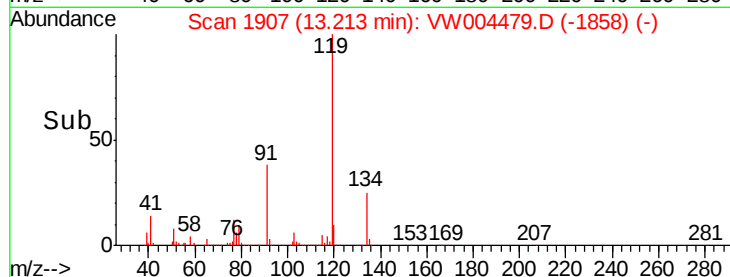
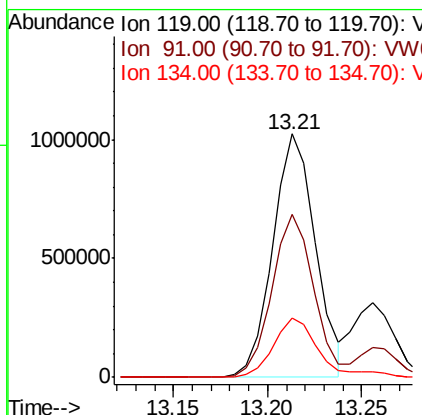
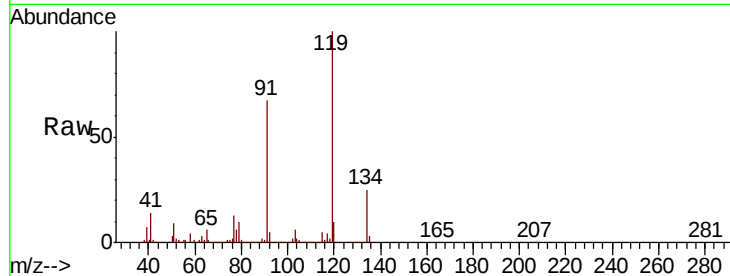
#83
 tert-Butylbenzene
 Concen: 53.17 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	33.3	99.8
134	24.4	12.2	36.6

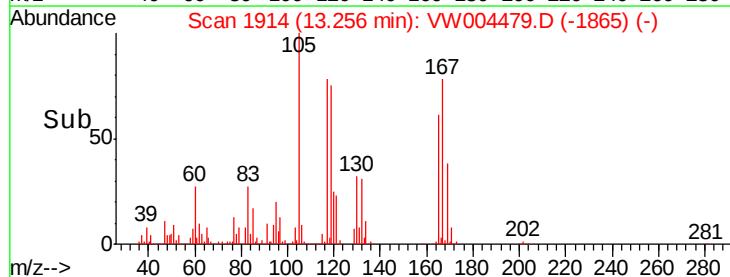
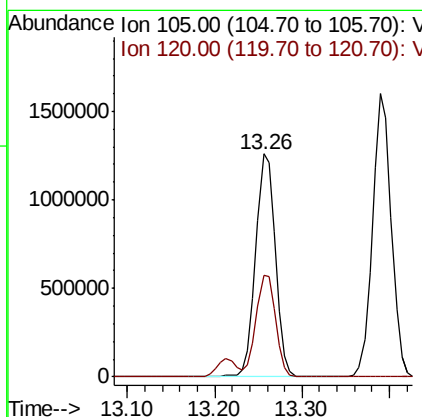
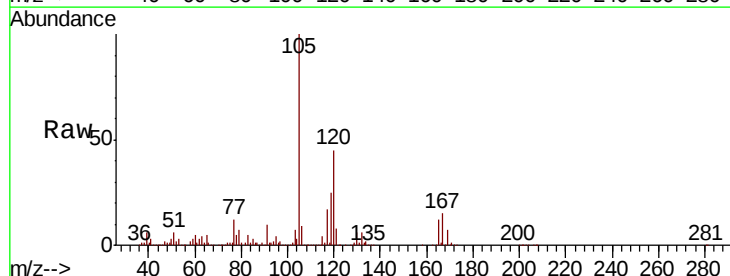
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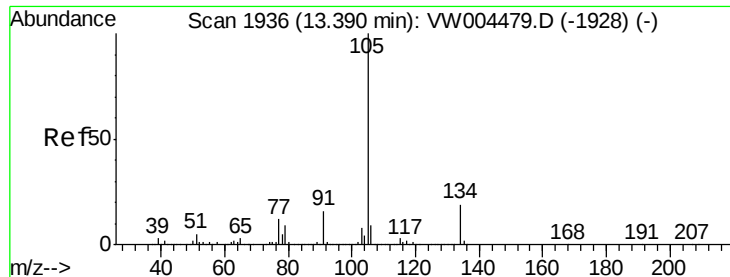
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.02 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8





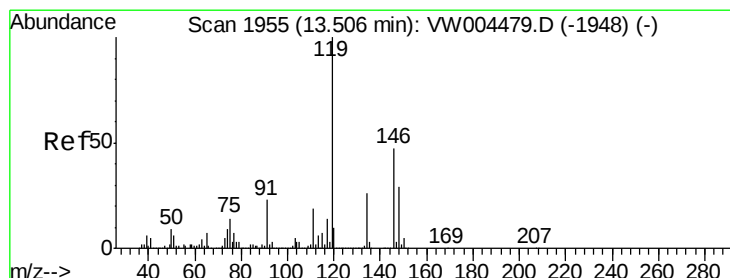
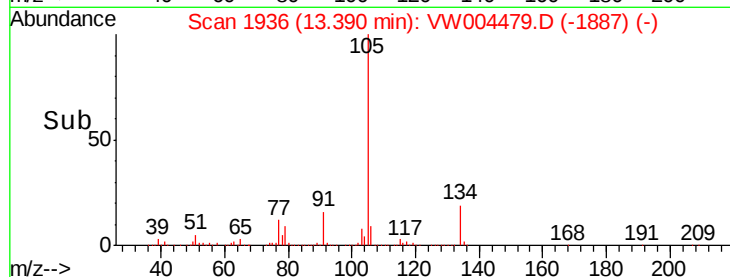
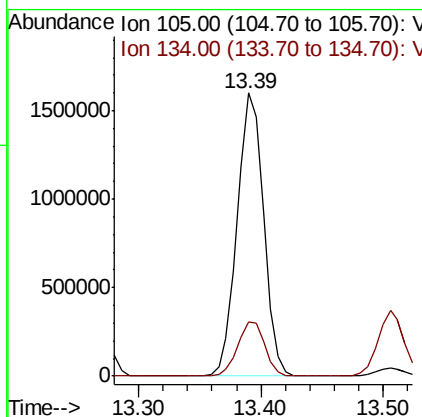
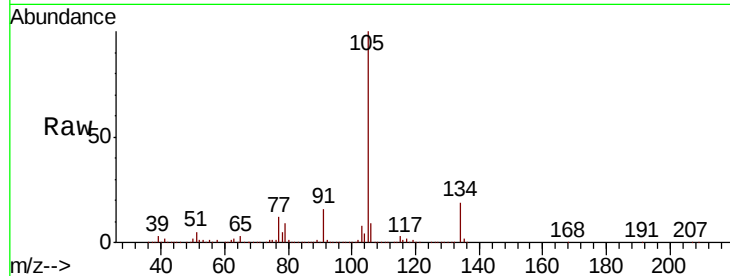
#85
 sec-Butylbenzene
 Concen: 54.12 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

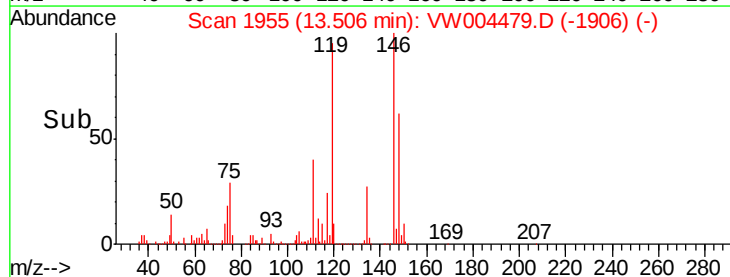
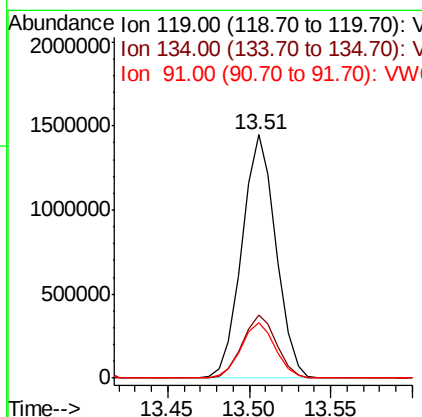
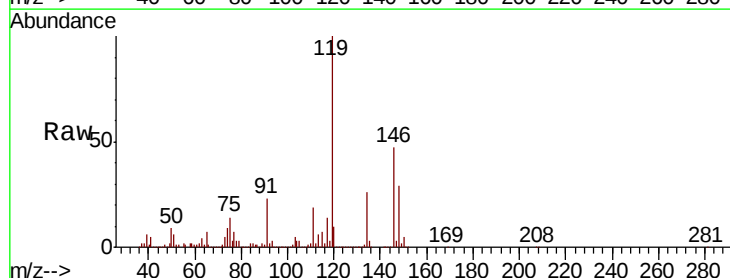
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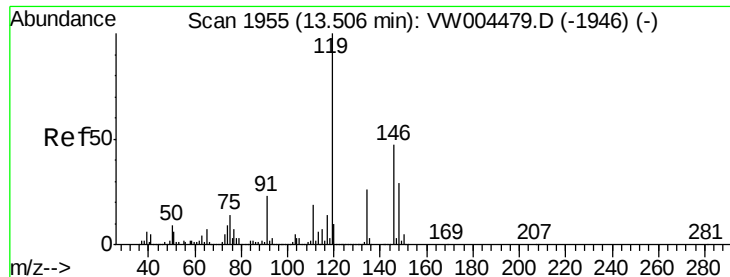
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#86
 p-Isopropyltoluene
 Concen: 53.09 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	22.7	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 51.73 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

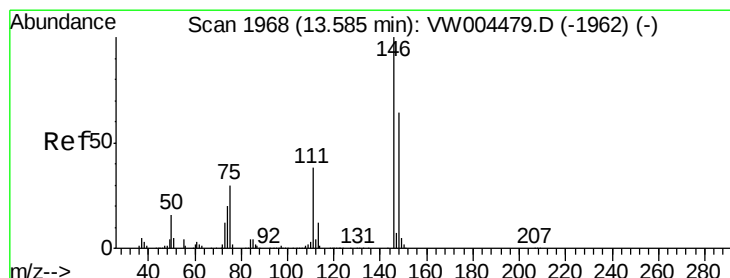
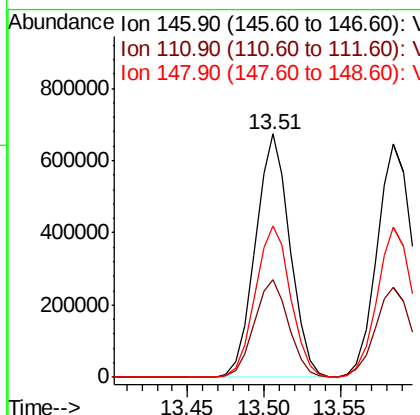
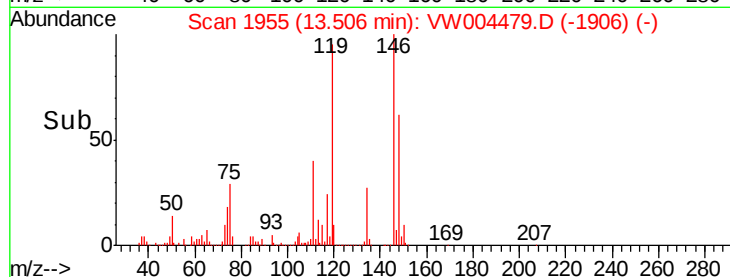
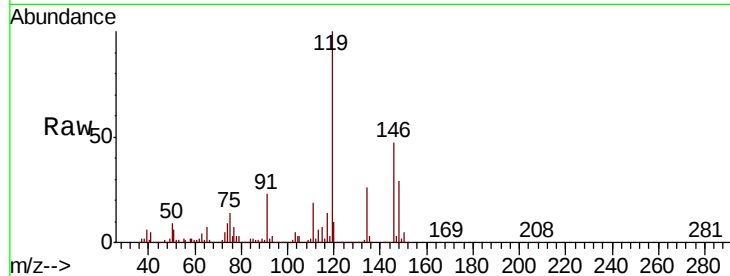
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.4	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 50.86 ug/l

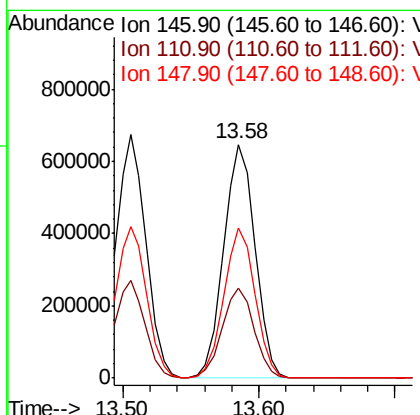
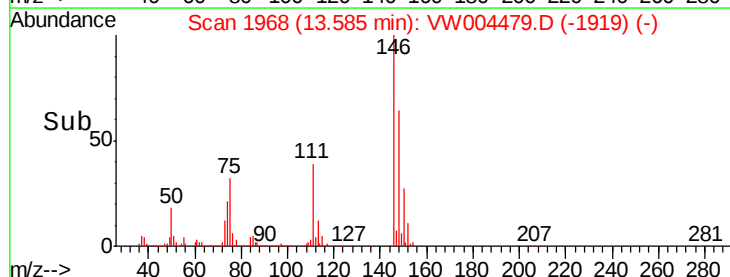
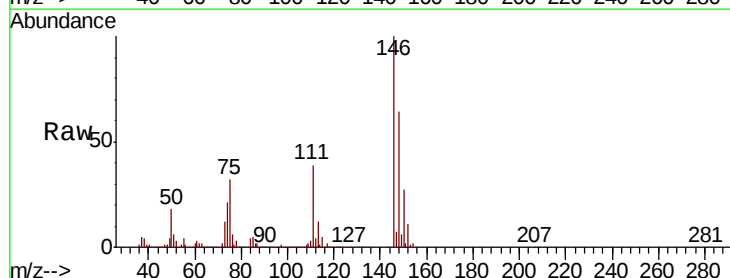
RT: 13.58 min Scan# 1968

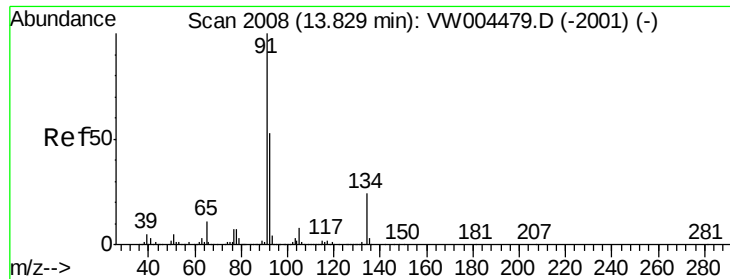
Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.7	31.9	95.5





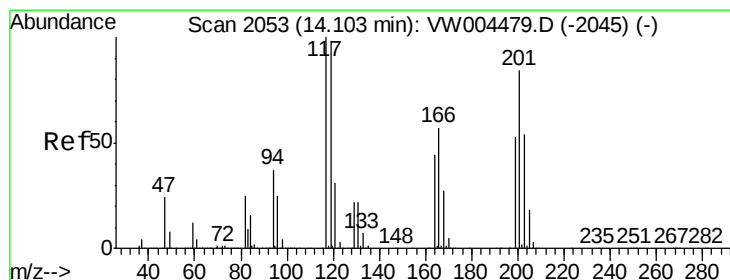
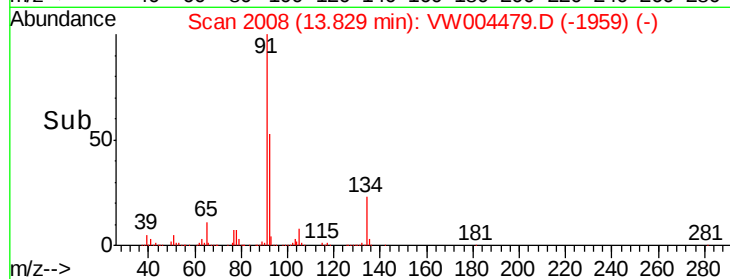
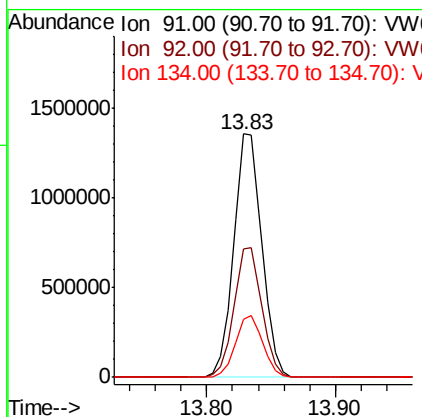
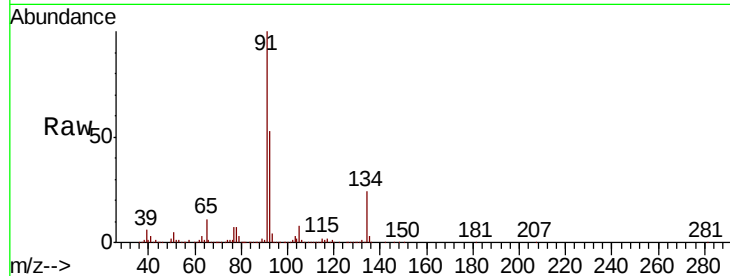
#89
n-Butylbenzene
Concen: 55.15 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	24.8	12.4	37.2

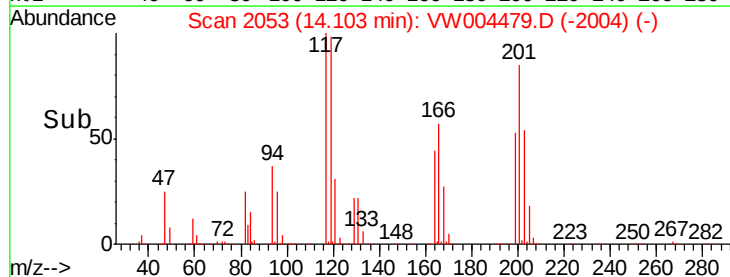
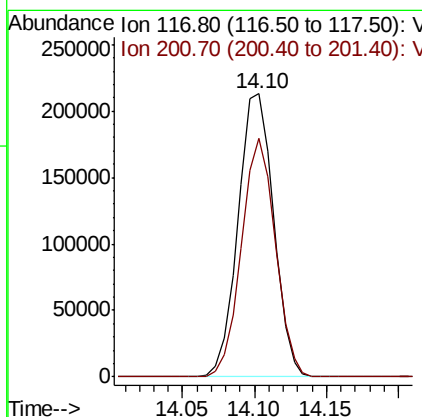
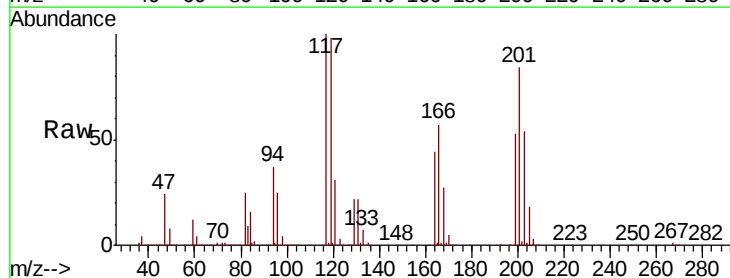
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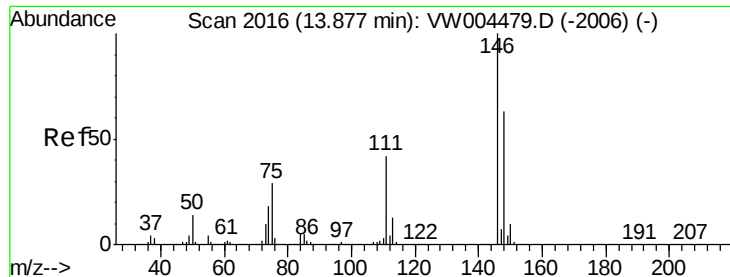
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#90
Hexachloroethane
Concen: 51.66 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004479.D
Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	40.1	120.3





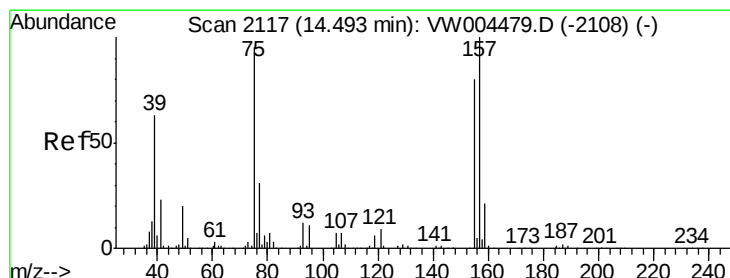
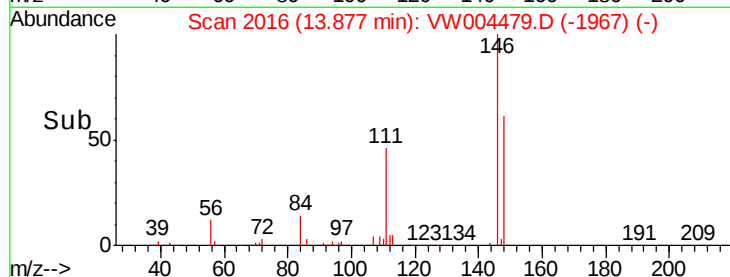
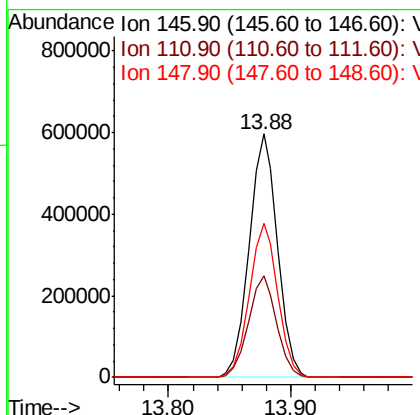
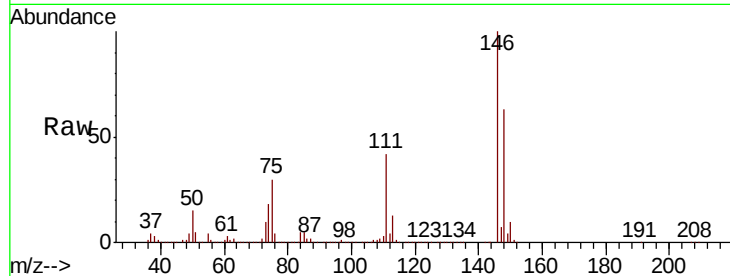
#91
 1,2-Dichlorobenzene
 Concen: 52.22 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	956339		
111	41.5	20.8	62.2	
148	63.6	31.8	95.4	

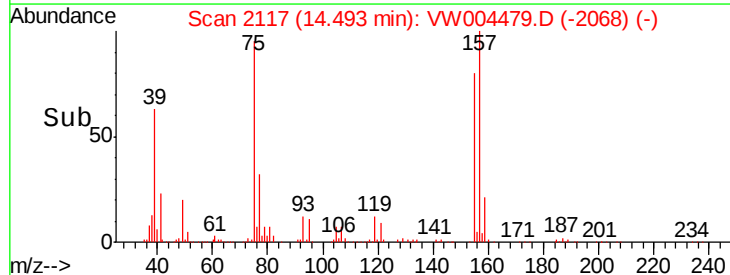
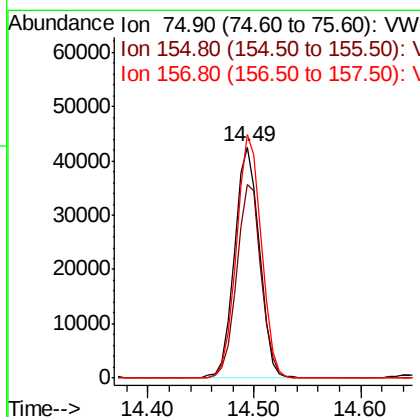
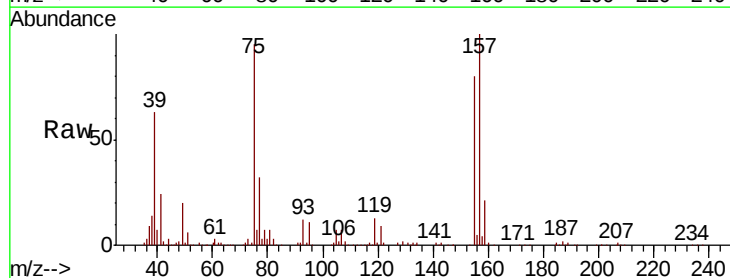
Manual Integrations
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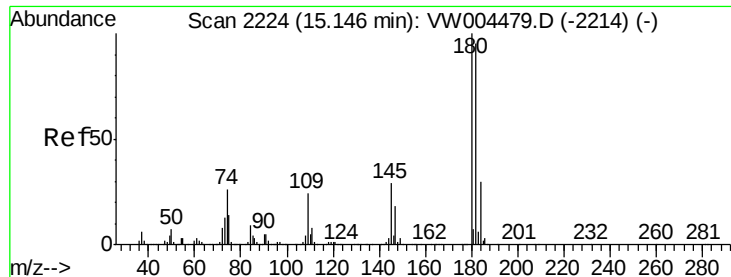
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.42 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69918		
155	82.5	41.3	123.7	
157	105.2	52.6	157.8	





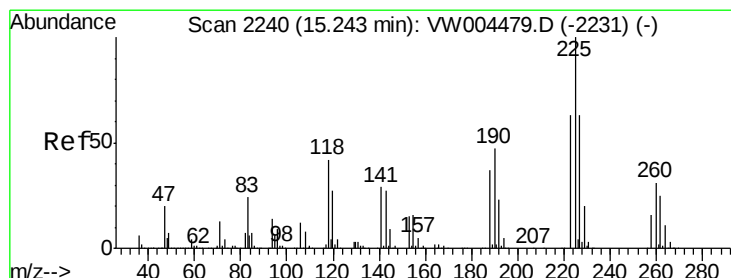
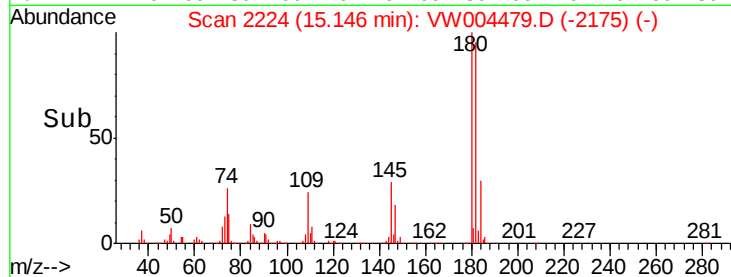
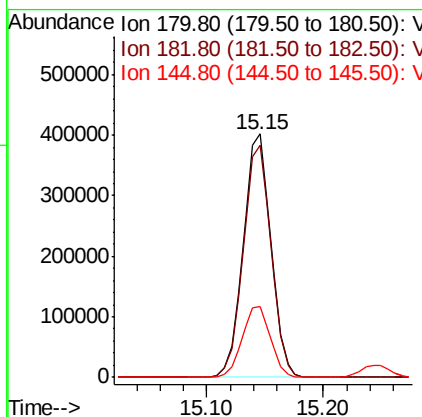
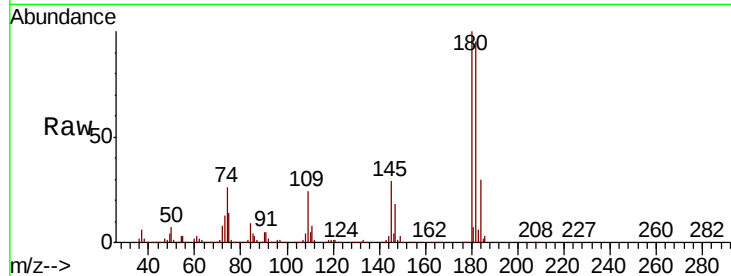
#93
 1,2,4-Trichlorobenzene
 Concen: 52.03 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	668187		
182	95.7	47.9	143.6	
145	29.9	14.9	44.9	

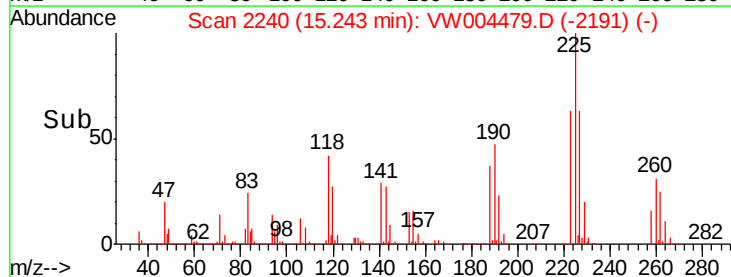
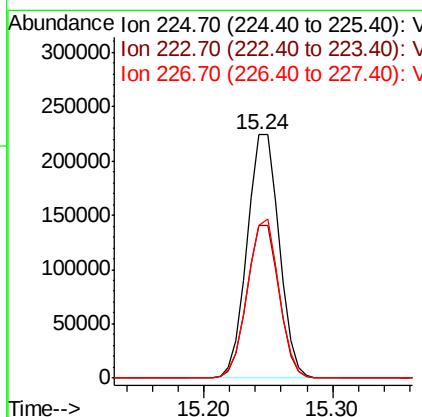
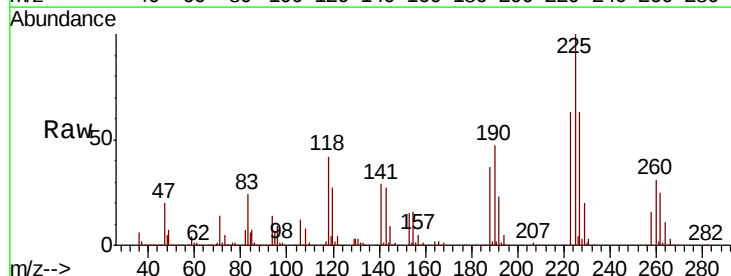
Manual Integrations
 APPROVED

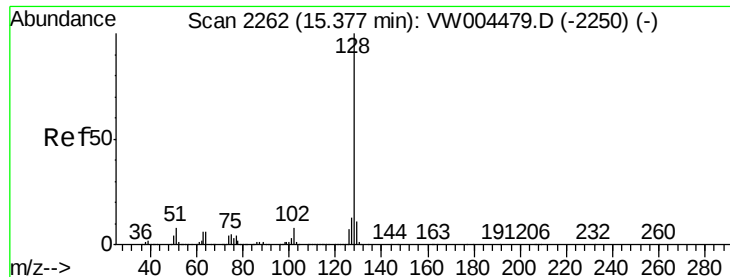
apatel
 8/7/2018 4:49:06 PM



#94
 Hexachlorobutadiene
 Concen: 49.32 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004479.D
 Acq: 06 Aug 2018 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	385013		
223	62.5	31.3	93.8	
227	63.6	31.8	95.4	





#95

Naphthalene

Concen: 57.90 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Instrument :

MSVOA_W

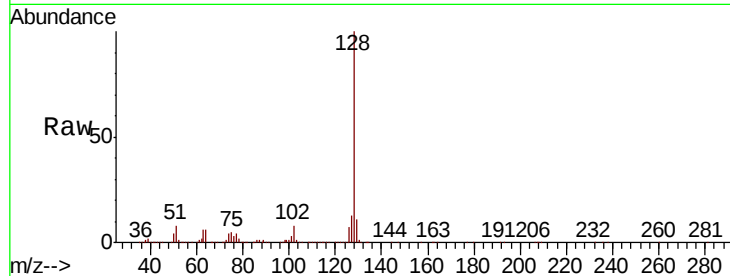
ClientSampleId :

VSTDICCC050

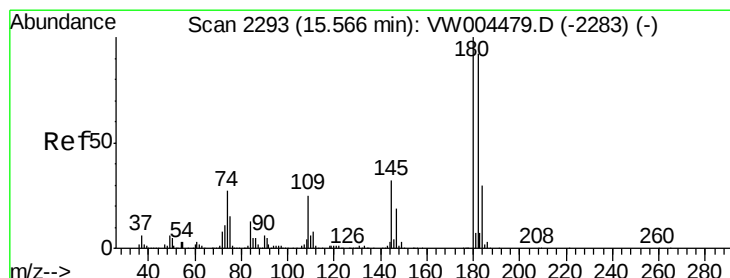
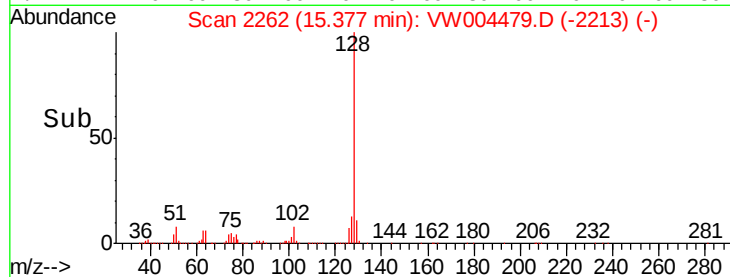
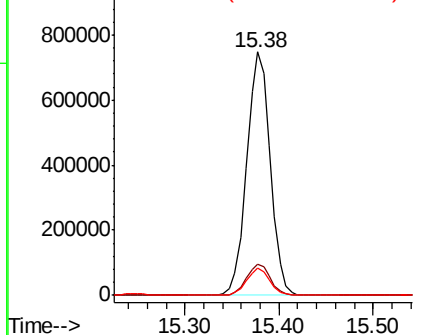
Tot Ion:	128	Resp:	1302946
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
8/7/2018 4:49:06 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 53.23 ug/l

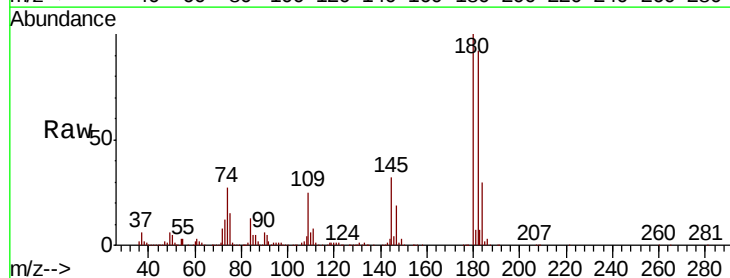
RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004479.D

Acq: 06 Aug 2018 19:35

Tgt Ion:	180	Resp:	602417
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.2
145	31.7	15.9	47.6



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

