

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014497.D
 Acq On : 03 Jan 2020 14:21
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:43:14 AM

Quant Time: Jan 03 15:24:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 15:15:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	839972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1255262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1092288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	543998	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	148516	23.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.14%	
35) Dibromofluoromethane	7.88	113	142363	20.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.06%	
50) Toluene-d8	10.32	98	602503	21.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.62%	
62) 4-Bromofluorobenzene	12.61	95	201490	20.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	101826	22.389	ug/l	97
3) Chloromethane	2.21	50	118342	24.163	ug/l	98
4) Vinyl Chloride	2.36	62	179807	24.291	ug/l	97
5) Bromomethane	2.76	94	107960	22.346	ug/l	97
6) Chloroethane	2.92	64	99385	22.398	ug/l	98
7) Trichlorofluoromethane	3.24	101	80286	17.973	ug/l	99
8) Diethyl Ether	3.68	74	87736	23.407	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	162929	21.988	ug/l	99
10) Methyl Iodide	4.27	142	246275	20.672	ug/l	99
11) Tert butyl alcohol	5.16	59	62362	147.928	ug/l	100
12) 1,1-Dichloroethene	4.04	96	169200	22.056	ug/l	98
13) Acrolein	3.89	56	65310	137.602	ug/l	97
14) Allyl chloride	4.66	41	253403	21.456	ug/l	99
15) Acrylonitrile	5.37	53	202413	127.347	ug/l	98
16) Acetone	4.12	43	172823	118.415	ug/l	99
17) Carbon Disulfide	4.38	76	511518	23.042	ug/l	97
18) Methyl Acetate	4.67	43	103602	25.953	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	213859	22.892	ug/l	99
20) Methylene Chloride	4.91	84	190398	22.135	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	179942	21.866	ug/l	96
22) Diisopropyl ether	6.31	45	497908	23.043	ug/l	97
23) Vinyl Acetate	6.25	43	1488691	116.455	ug/l	100
24) 1,1-Dichloroethane	6.21	63	307309	22.517	ug/l	99
25) 2-Butanone	7.16	43	254970	121.927	ug/l	97
26) 2,2-Dichloropropane	7.16	77	168402	21.516	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	188862	21.646	ug/l	99
28) Bromochloromethane	7.51	49	115122	25.145	ug/l	98
29) Tetrahydrofuran	7.52	42	170478	131.526	ug/l	99
30) Chloroform	7.67	83	290114	21.644	ug/l	98
31) Cyclohexane	7.95	56	316100	22.150	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	233003	22.071	ug/l	99
36) 1,1-Dichloropropene	8.08	75	250544	21.282	ug/l	99
37) Ethyl Acetate	7.25	43	112777	23.632	ug/l	99
38) Carbon Tetrachloride	8.06	117	213701	20.282	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	315682	20.862	ug/l	99
40) Benzene	8.32	78	708473	21.297	ug/l	99
41) Methacrylonitrile	7.48	41	67233	23.031	ug/l	94
42) 1,2-Dichloroethane	8.40	62	186064	22.011	ug/l	100
43) Isopropyl Acetate	8.42	43	202890	22.663	ug/l	99
44) Trichloroethene	9.09	130	189542	20.127	ug/l	92
45) 1,2-Dichloropropane	9.37	63	175228	21.946	ug/l	100
46) Dibromomethane	9.46	93	85093	21.723	ug/l	99
47) Bromodichloromethane	9.64	83	209922	21.006	ug/l	100
48) Methyl methacrylate	9.43	41	99084	22.413	ug/l	100
49) 1,4-Dioxane	9.44	88	32279	517.620	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	538353	119.051	ug/l	99
52) Toluene	10.38	92	441921	20.679	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	217974	21.394	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	264360	21.112	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	123694	21.213	ug/l	98
56) Ethyl methacrylate	10.65	69	160568	21.710	ug/l	98
57) 1,3-Dichloropropane	10.93	76	220272	22.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	226309	71.695	ug/l	99
59) 2-Hexanone	10.96	43	359830	115.633	ug/l	99
60) Dibromochloromethane	11.13	129	137851	20.174	ug/l	98
61) 1,2-Dibromoethane	11.23	107	117846	21.330	ug/l	98
64) Tetrachloroethene	10.86	164	158350	19.151	ug/l	99
65) Chlorobenzene	11.65	112	455643	20.308	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	153618	19.709	ug/l	100
67) Ethyl Benzene	11.73	91	827751	20.467	ug/l	100
68) m/p-Xylenes	11.83	106	634009	40.617	ug/l	100
69) o-Xylene	12.16	106	293295	20.439	ug/l	100
70) Styrene	12.18	104	492317	20.014	ug/l	99
71) Bromoform	12.35	173	82738	19.925	ug/l #	100
73) Isopropylbenzene	12.46	105	803890	20.545	ug/l	100
74) N-amyl acetate	12.27	43	181045	22.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	147100	22.900	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	111744m	26.362	ug/l	
77) Bromobenzene	12.74	156	186106	19.973	ug/l	99
78) n-propylbenzene	12.80	91	959007	21.133	ug/l	100
79) 2-Chlorotoluene	12.89	91	542327	21.241	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	688266	20.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44887	20.873	ug/l	95
82) 4-Chlorotoluene	12.99	91	567163	21.232	ug/l	99
83) tert-Butylbenzene	13.21	119	588338	20.146	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	682694	20.986	ug/l	100
85) sec-Butylbenzene	13.38	105	827741	20.688	ug/l	99
86) p-Isopropyltoluene	13.50	119	757306	20.385	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	366769	20.352	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	359109	20.020	ug/l	98
89) n-Butylbenzene	13.82	91	694311	20.603	ug/l	100
90) Hexachloroethane	14.09	117	127124	19.706	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	324302	20.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	23459	23.781	ug/l	99

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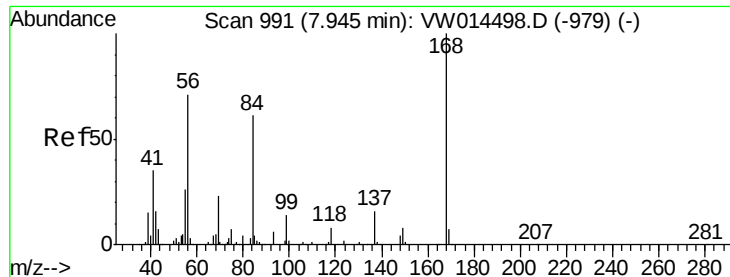
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	220964	19.477	ug/l	99
94) Hexachlorobutadiene	15.24	225	149242	19.606	ug/l	99
95) Naphthalene	15.36	128	374860	20.529	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	192709	19.644	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 839972

Ion Ratio Lower Upper

168 100

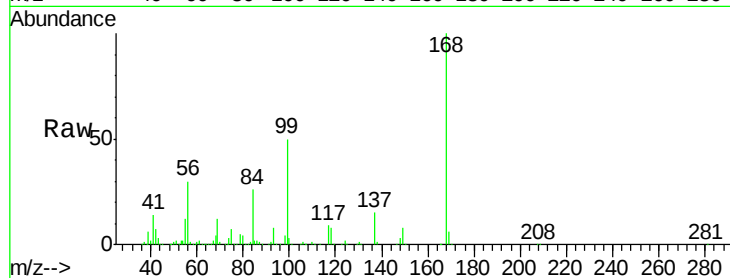
99 50.3 41.1 61.7

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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

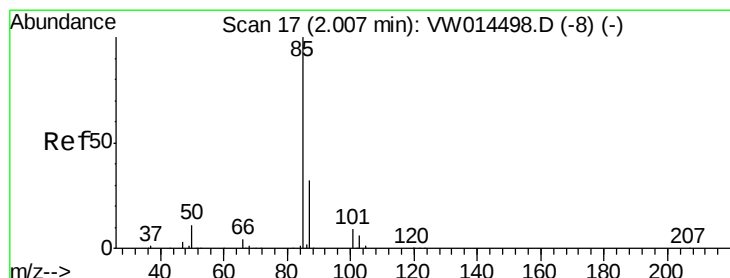
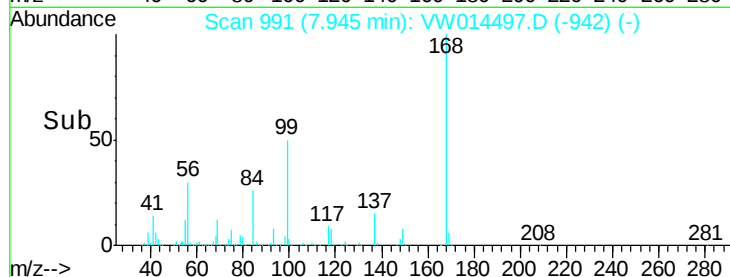
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.389 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014497.D

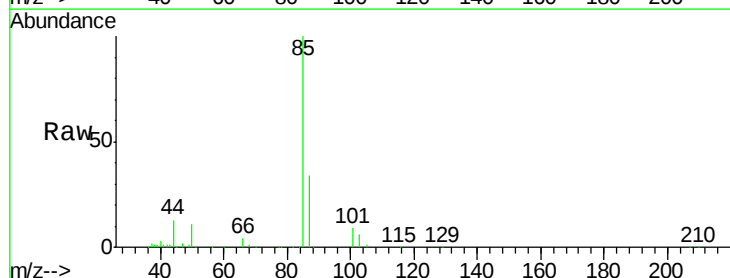
Acq: 03 Jan 2020 14:21

Tgt Ion: 85 Resp: 101826

Ion Ratio Lower Upper

85 100

87 33.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

30000

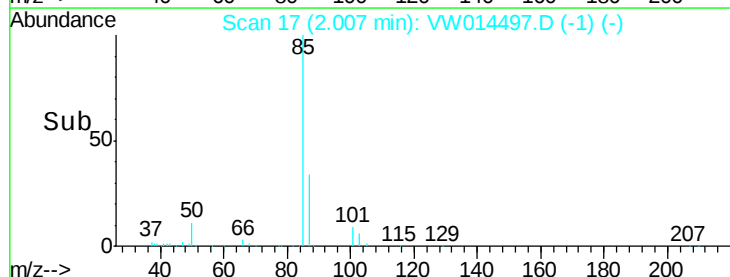
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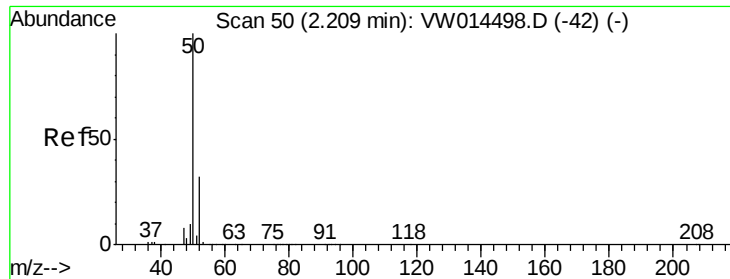
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 24.163 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 118342

Ion Ratio Lower Upper

50 100

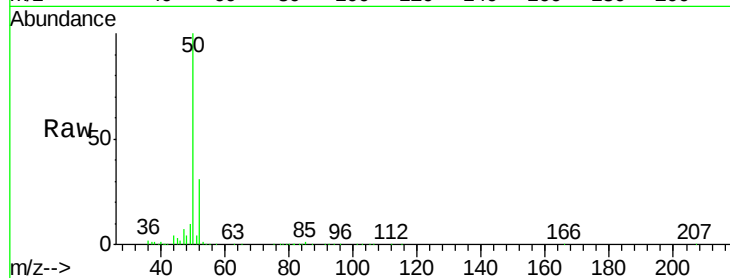
52 31.4 25.8 38.8

Manual Integrations

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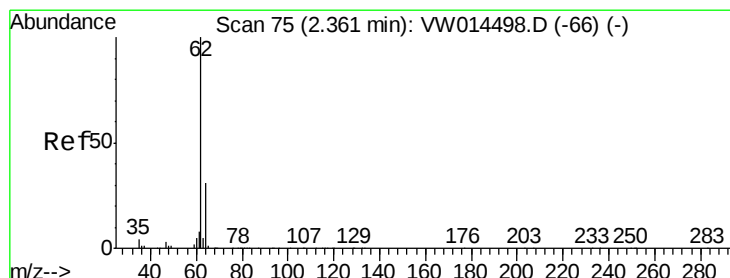
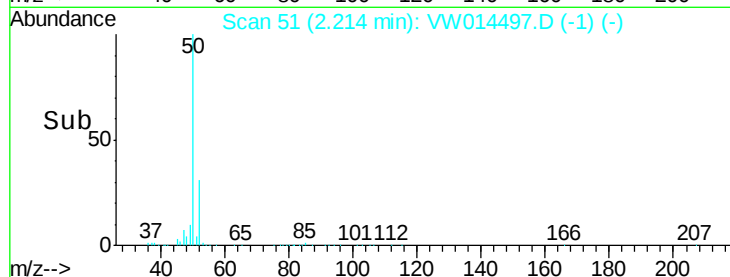
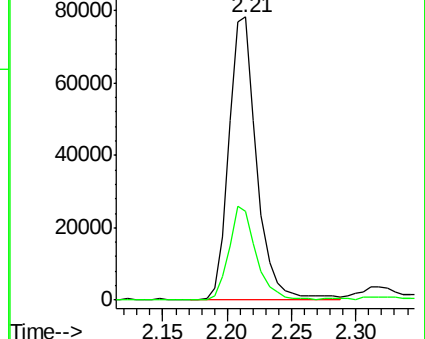
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 24.291 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014497.D

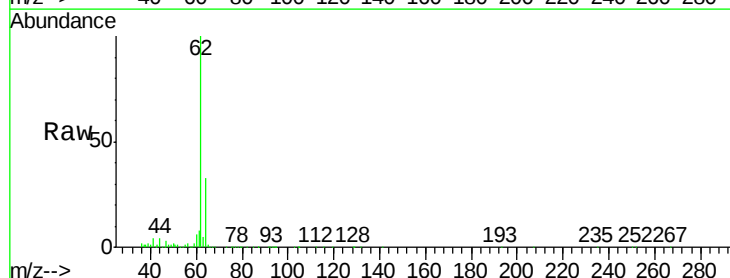
Acq: 03 Jan 2020 14:21

Tgt Ion: 62 Resp: 179807

Ion Ratio Lower Upper

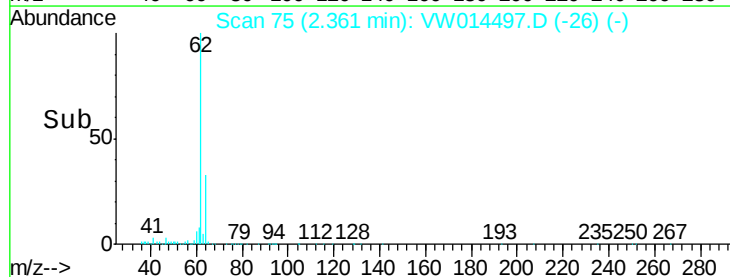
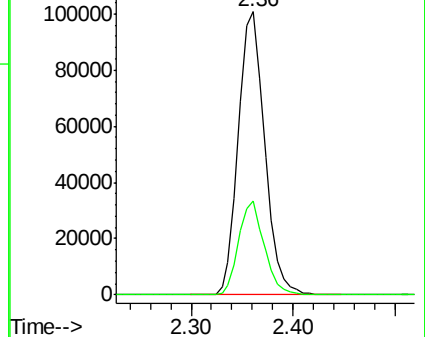
62 100

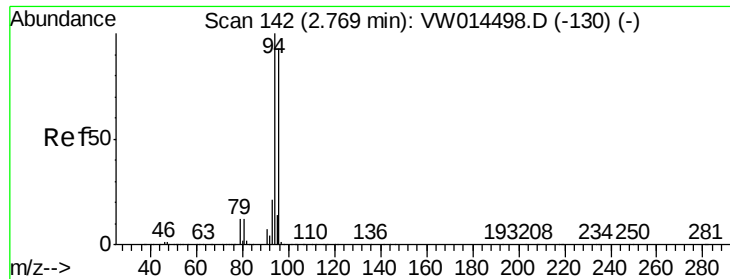
64 32.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 22.346 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 107960

Ion Ratio Lower Upper

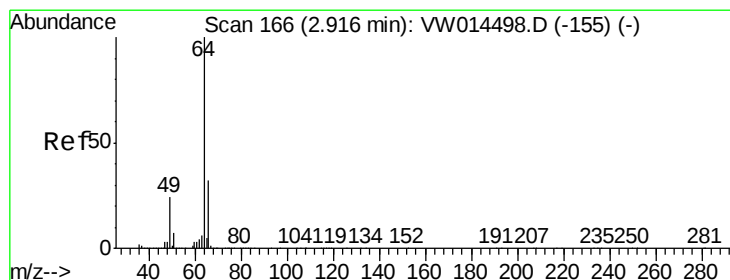
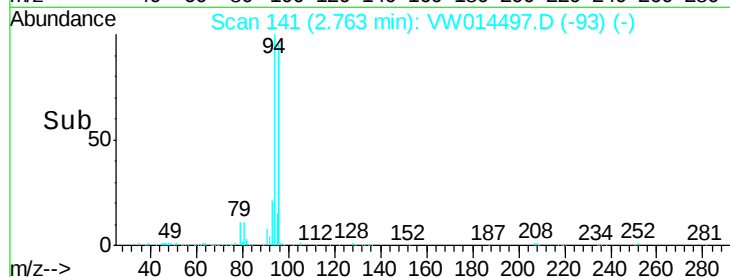
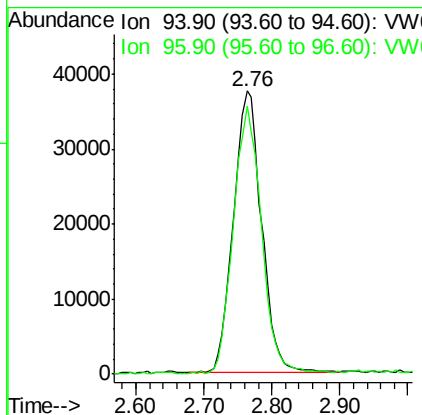
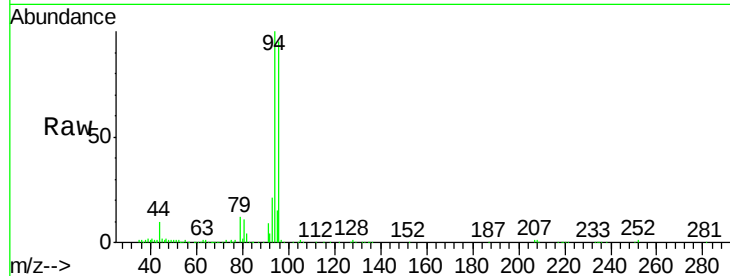
94 100

96 95.2 74.2 111.2

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#6

Chloroethane

Concen: 22.398 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014497.D

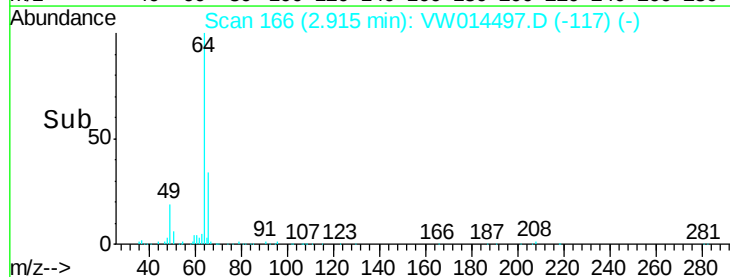
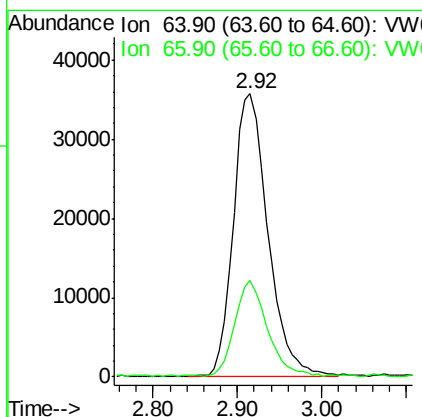
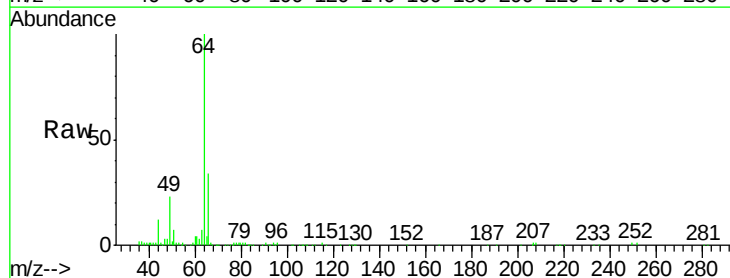
Acq: 03 Jan 2020 14:21

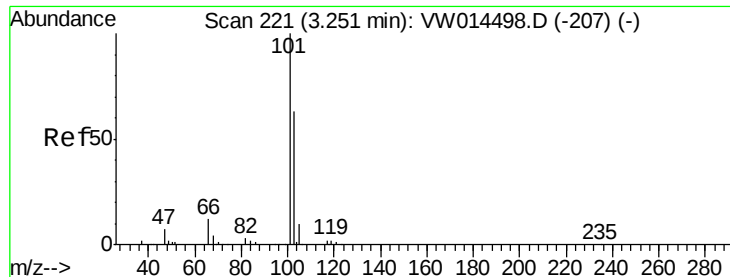
Tgt Ion: 64 Resp: 99385

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5





#7

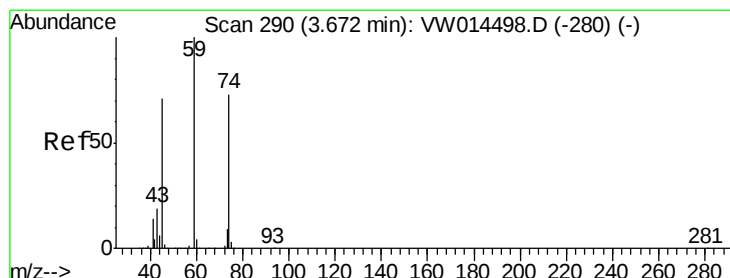
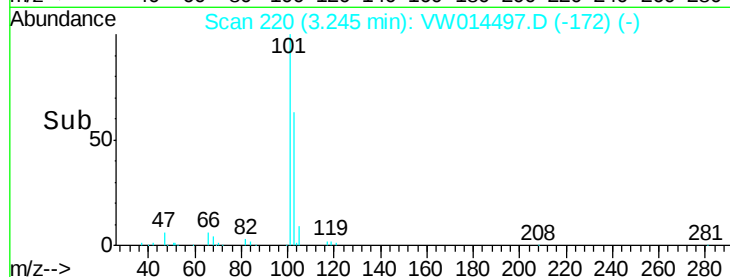
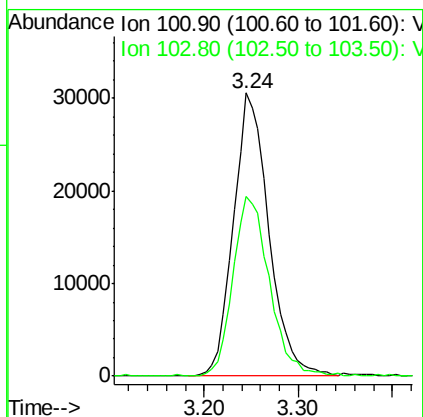
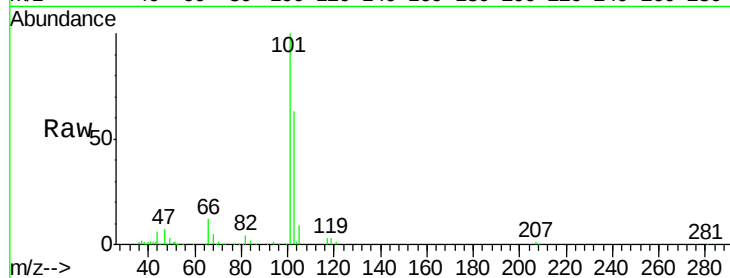
Trichlorofluoromethane
Concen: 17.973 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.1	75.1

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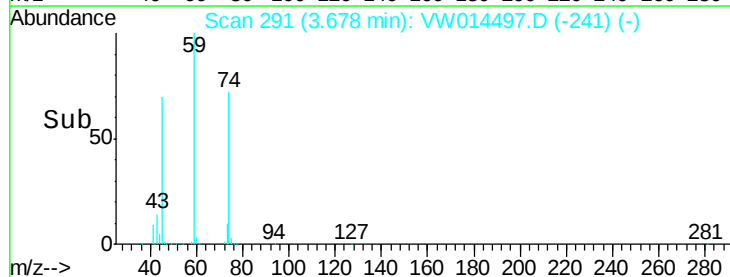
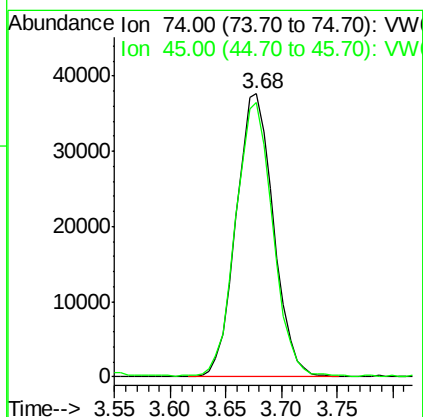
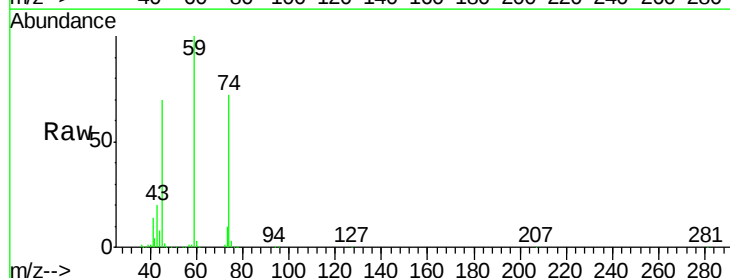
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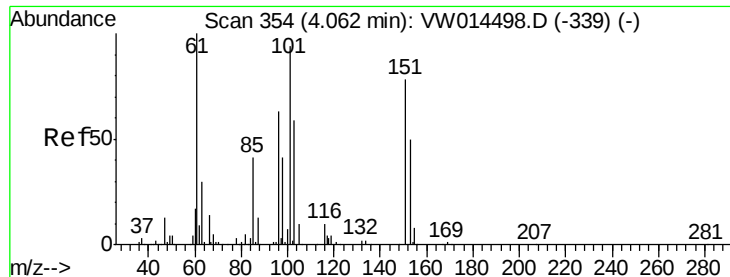


#8

Diethyl Ether
Concen: 23.407 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.988 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

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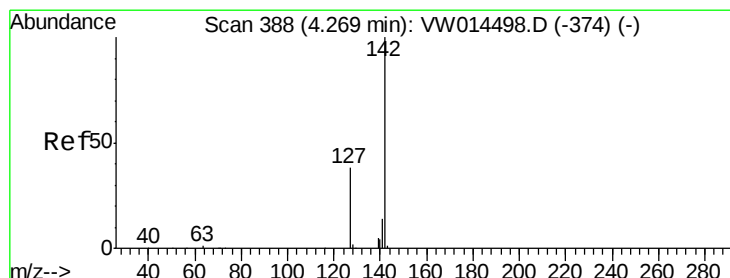
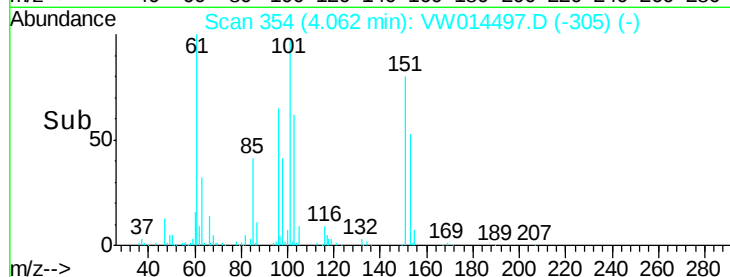
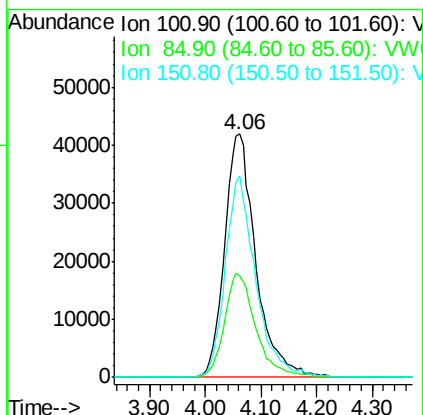
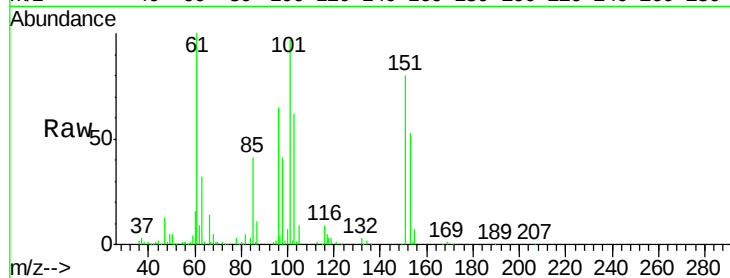
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	162929
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.7	50.5
151	80.5	63.5	95.3

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#10

Methyl Iodide

Concen: 20.672 ug/l

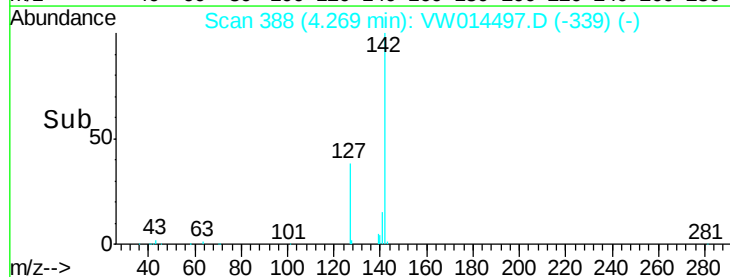
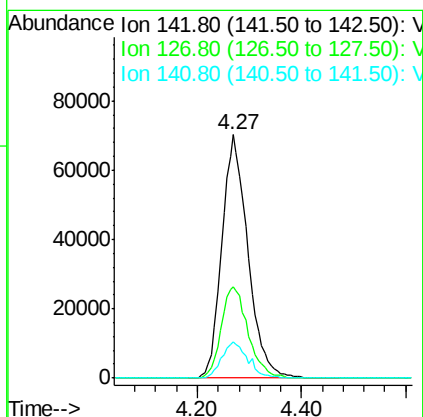
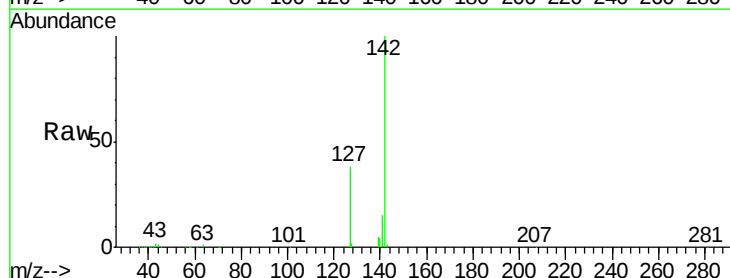
RT: 4.27 min Scan# 388

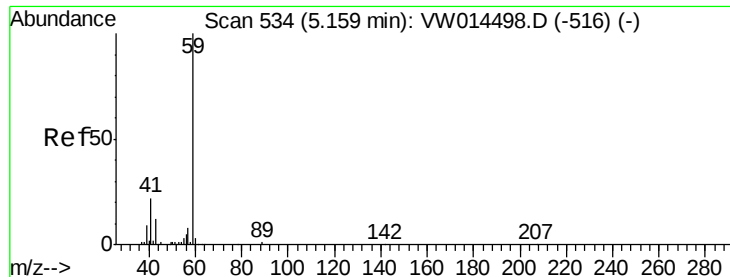
Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:	142	Resp:	246275
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.2	45.4
141	14.9	11.4	17.2





#11

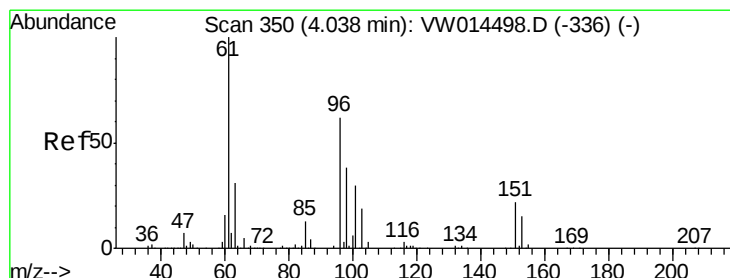
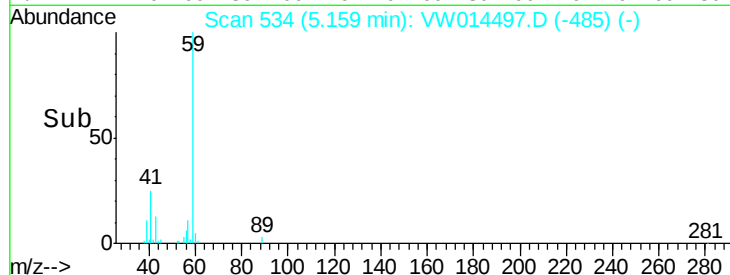
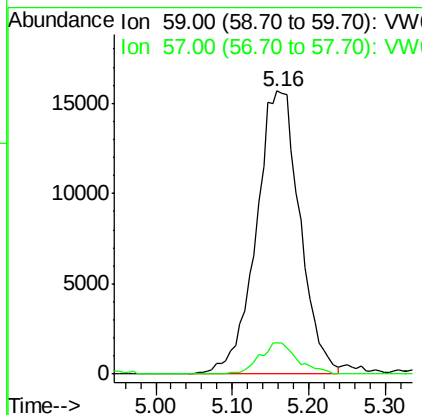
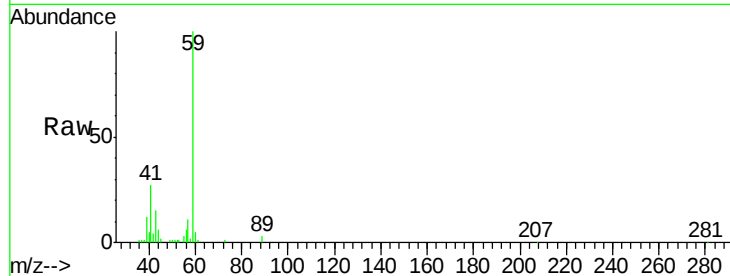
Tert butyl alcohol
 Concen: 147.928 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

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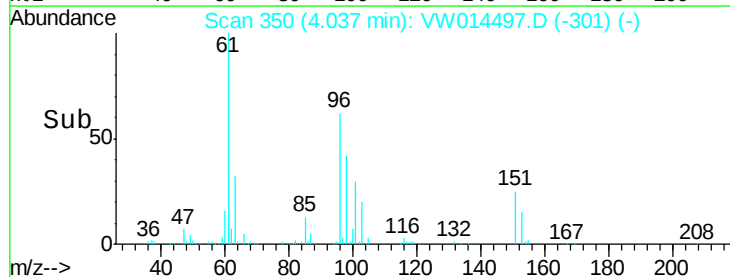
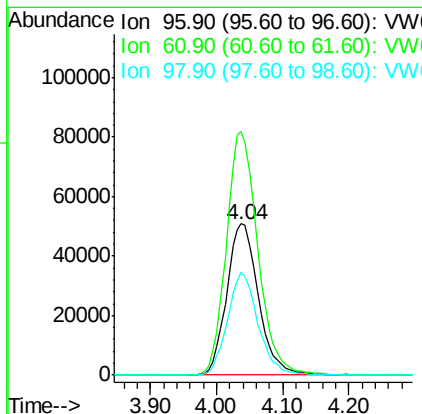
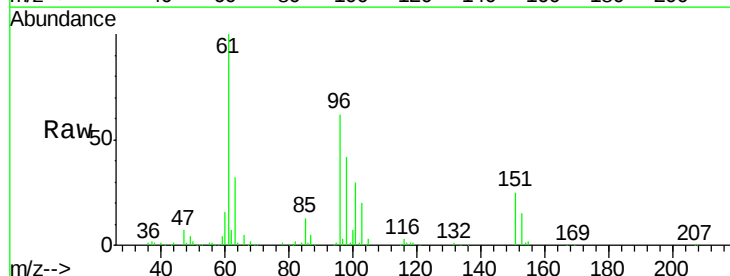
apatel
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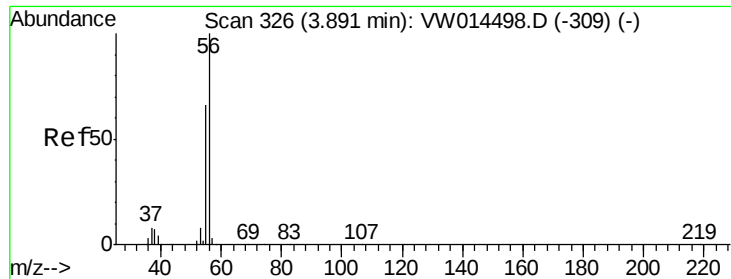


#12

1,1-Dichloroethene
 Concen: 22.056 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	128.4	192.6
98	67.5	49.1	73.7





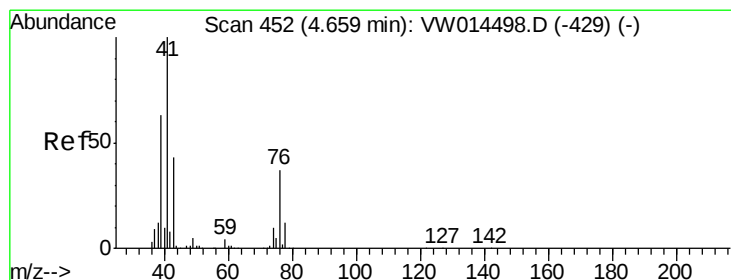
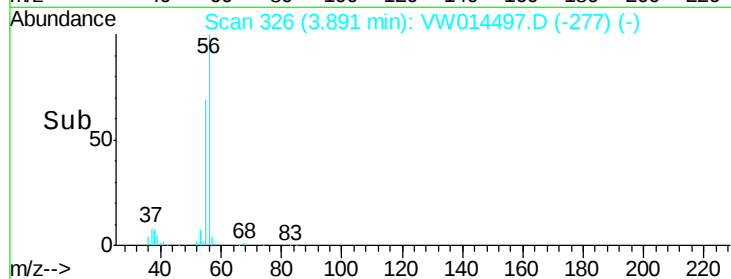
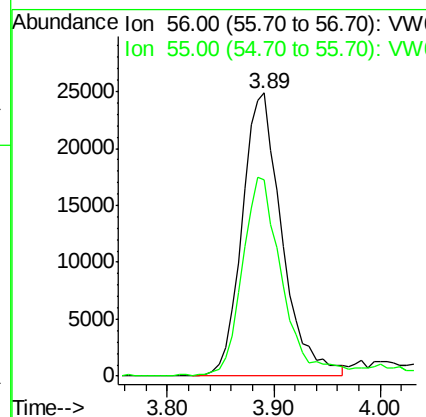
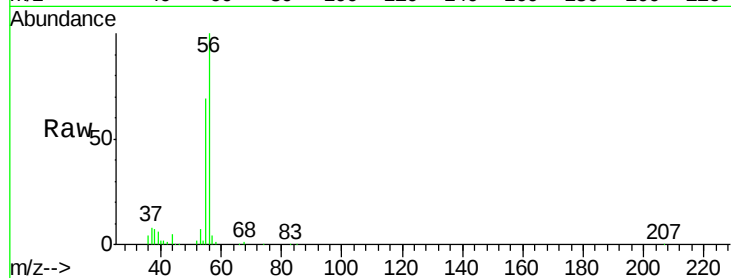
#13
Acrolein
Concen: 137.602 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	68.8		56.7	85.1	

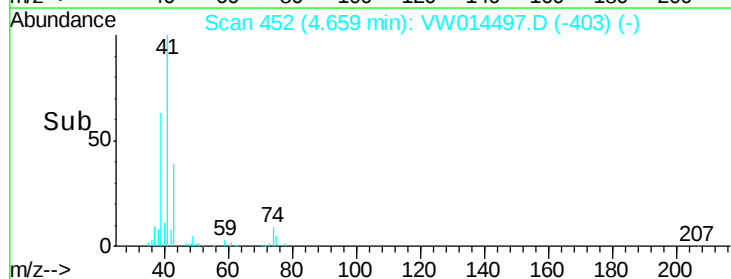
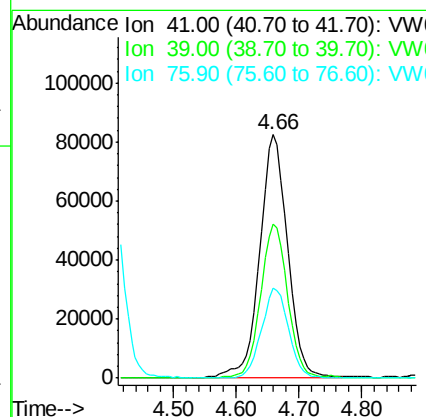
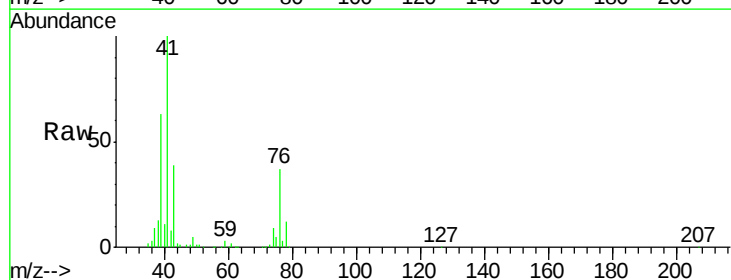
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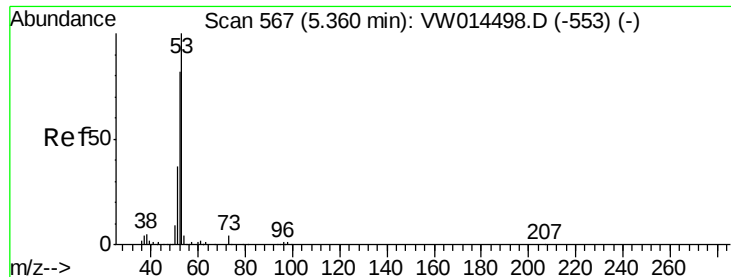
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#14
Allyl chloride
Concen: 21.456 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	61.2			48.5	72.7	
76	35.7			28.1	42.1	





#15

Acrylonitrile

Concen: 127.347 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

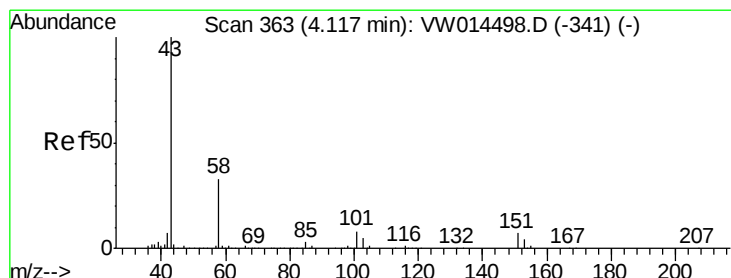
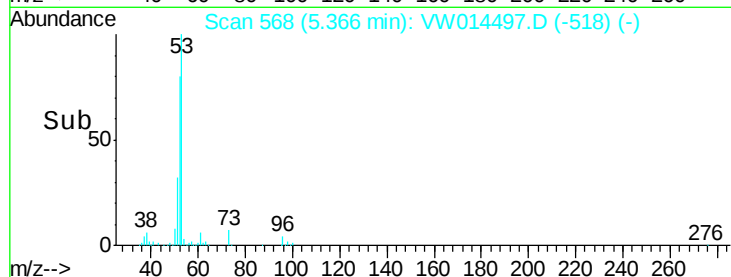
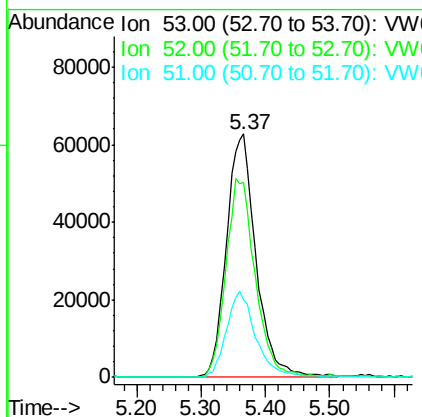
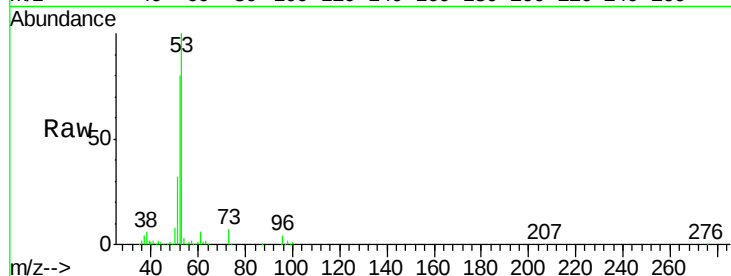
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	202413
Ion Ratio		Lower	Upper
53	100		
52	80.5	66.5	99.7
51	35.3	28.4	42.6

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#16

Acetone

Concen: 118.415 ug/l

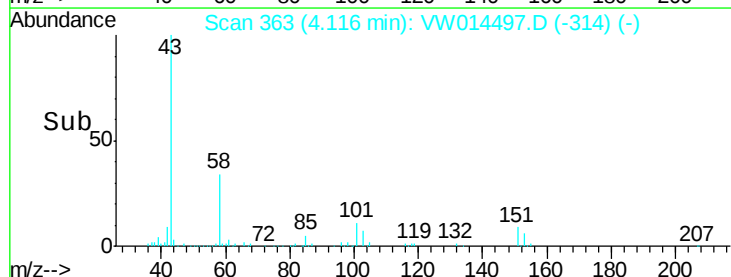
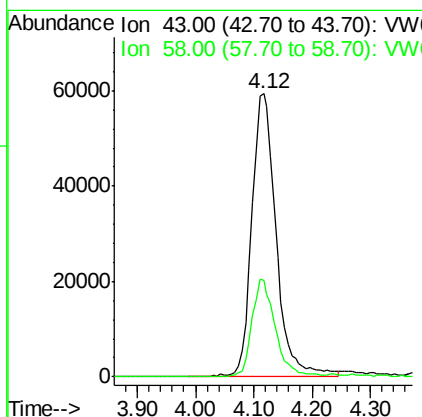
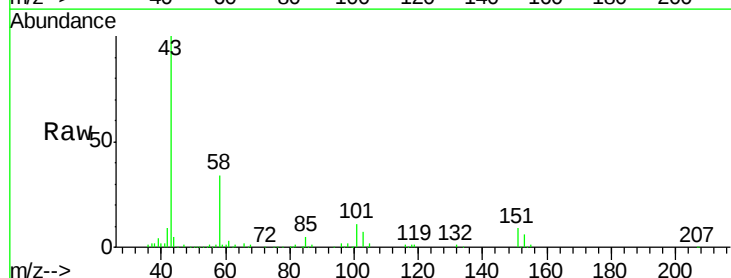
RT: 4.12 min Scan# 363

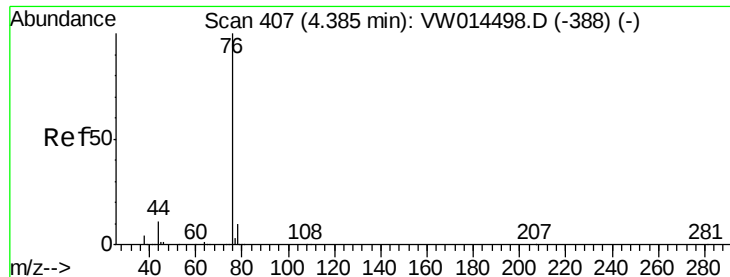
Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:	43	Resp:	172823
Ion Ratio		Lower	Upper
43	100		
58	33.9	26.6	39.8





#17

Carbon Disulfide

Concen: 23.042 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 511518

Ion Ratio Lower Upper

76 100

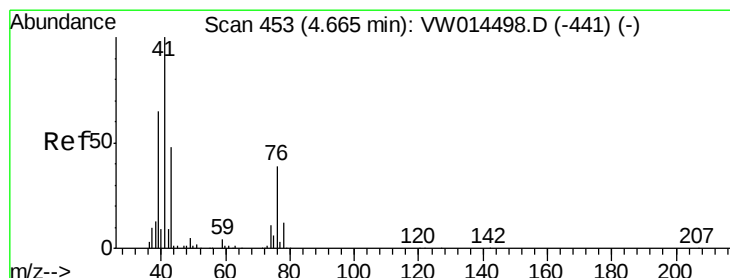
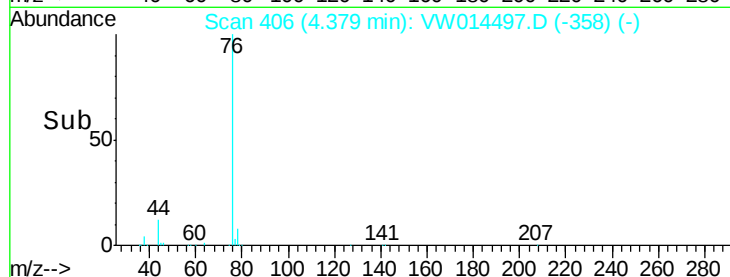
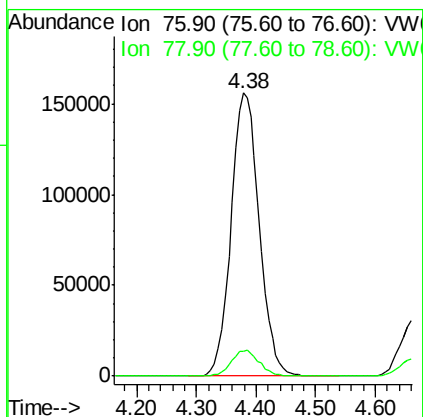
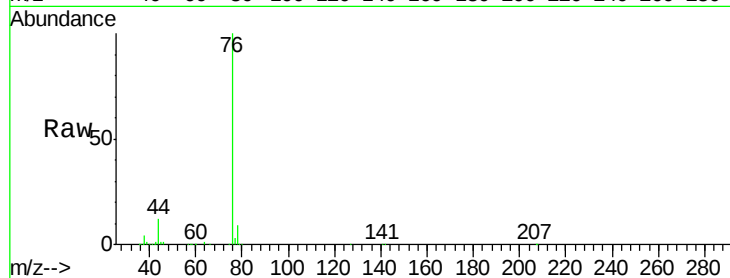
78 8.6 7.8 11.6

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#18

Methyl Acetate

Concen: 25.953 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014497.D

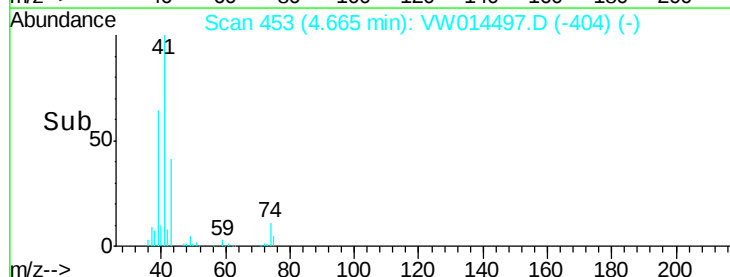
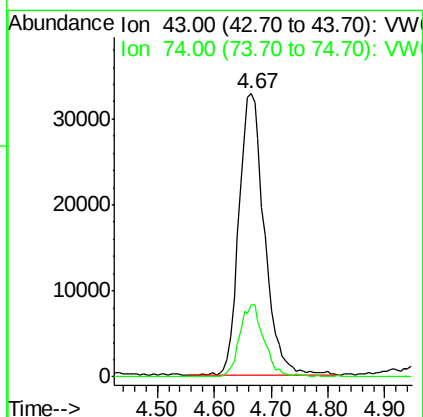
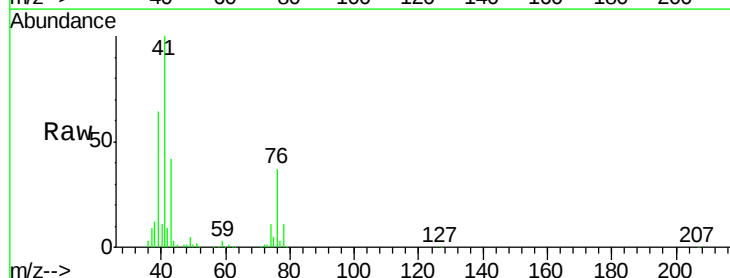
Acq: 03 Jan 2020 14:21

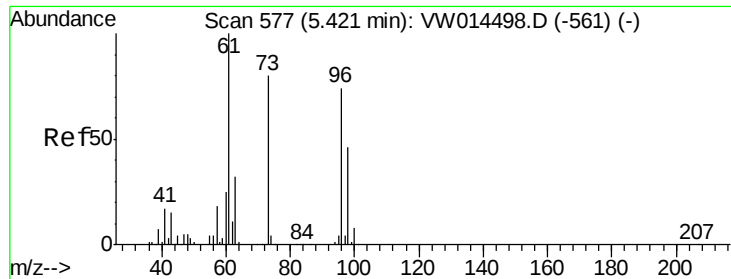
Tgt Ion: 43 Resp: 103602

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9





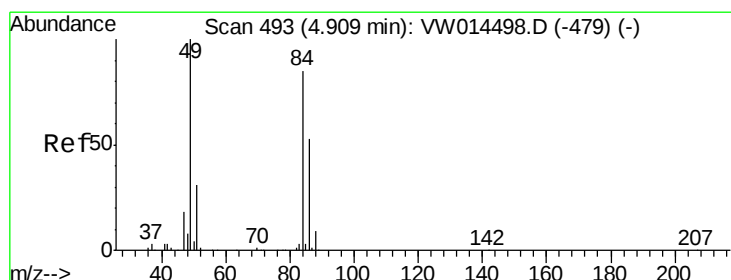
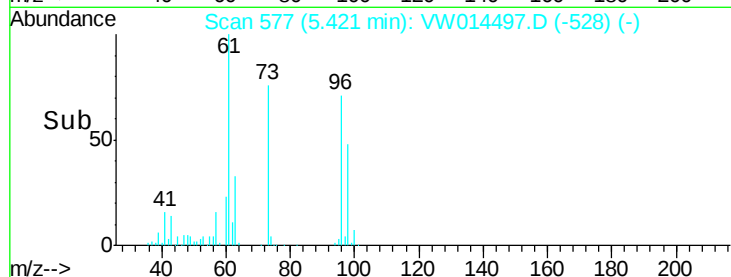
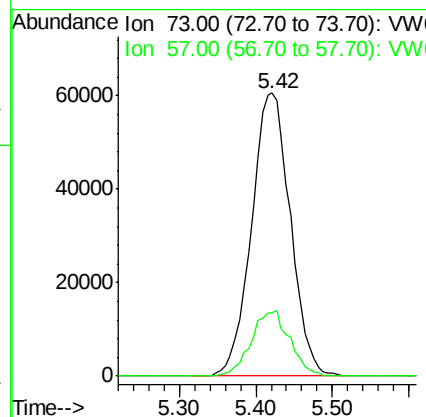
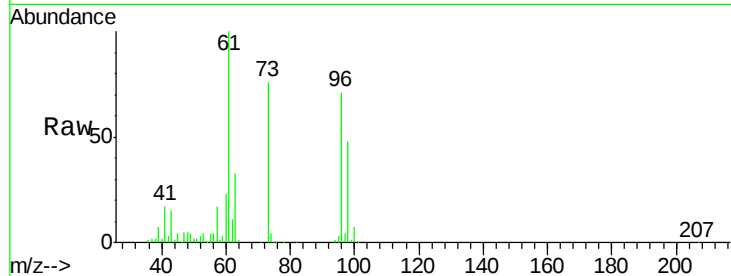
#19
Methyl tert-butyl Ether
Concen: 22.892 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 213859
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1

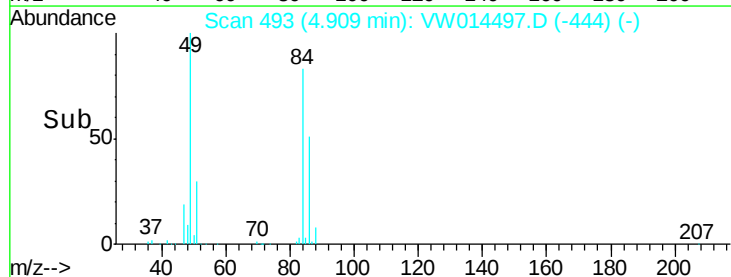
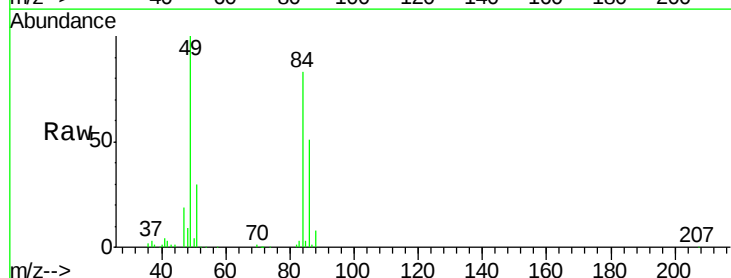
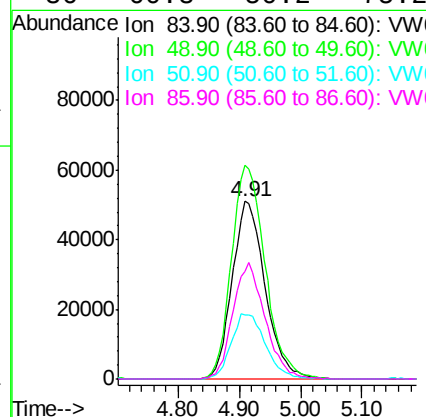
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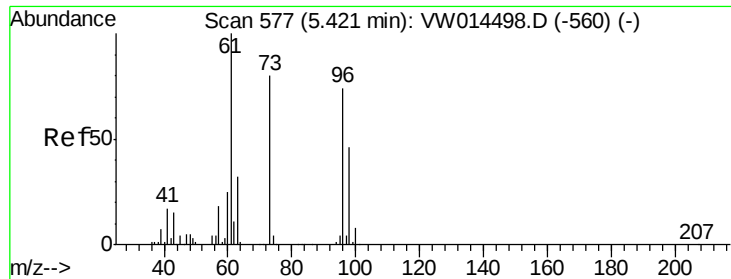
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#20
Methylene Chloride
Concen: 22.135 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 84 Resp: 190398
Ion Ratio Lower Upper
84 100
49 120.3 94.4 141.6
51 36.3 29.5 44.3
86 60.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.866 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

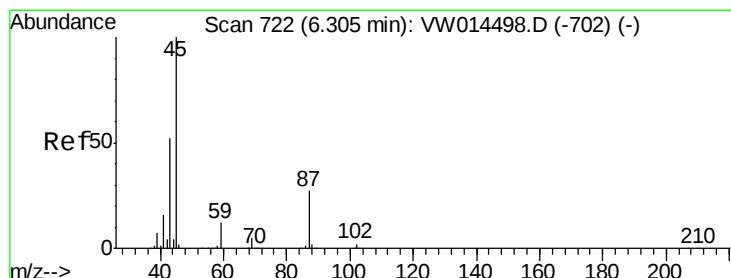
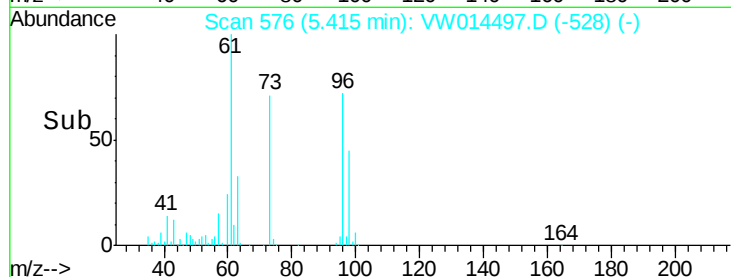
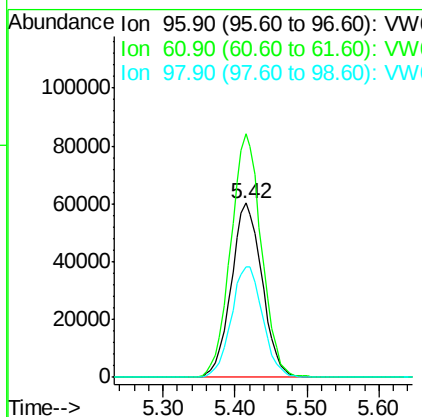
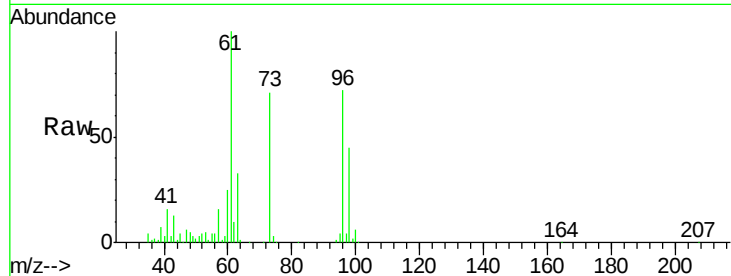
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	179942
Ion	Ratio	Lower	Upper
96	100		
61	139.8	107.8	161.6
98	63.3	49.4	74.0

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#22

Diisopropyl ether

Concen: 23.043 ug/l

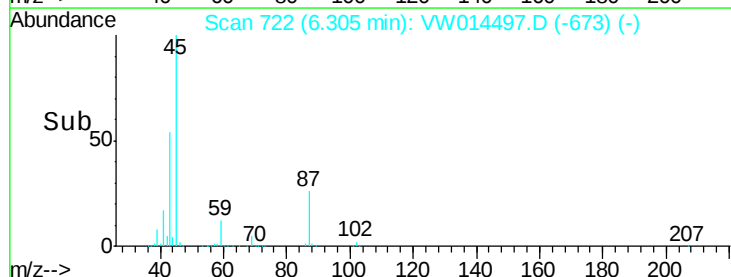
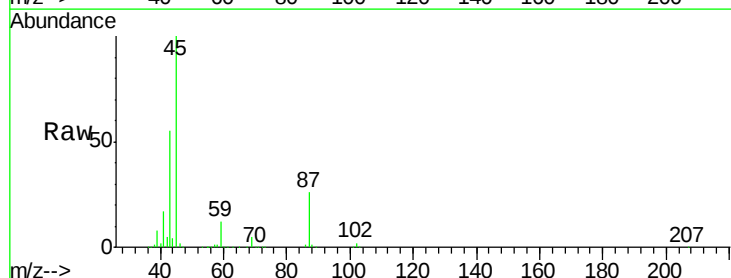
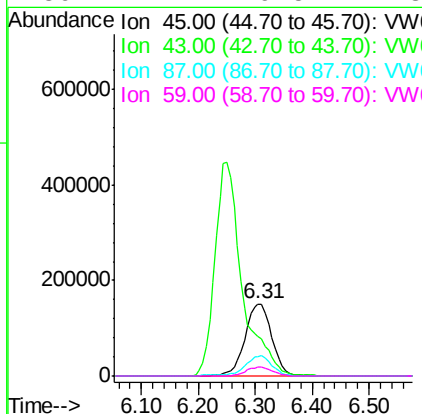
RT: 6.31 min Scan# 722

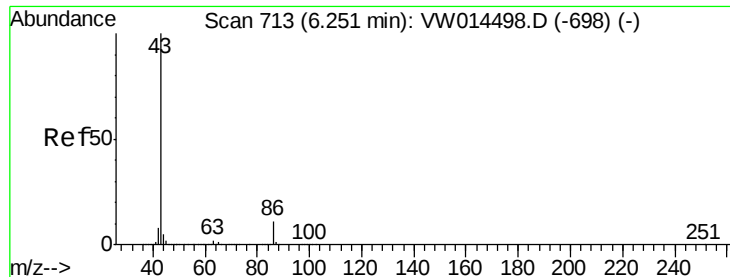
Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:	45	Resp:	497908
Ion	Ratio	Lower	Upper
45	100		
43	54.3	41.4	62.0
87	26.2	22.2	33.2
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 116.455 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tot Ion: 43 Resp: 1488691

Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2

Instrument :

MSVOA_W

ClientSampled :

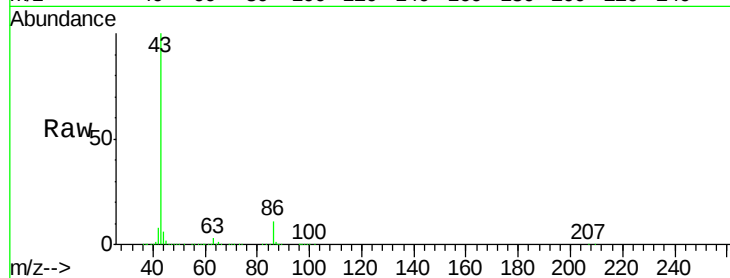
VSTDIC020

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

300000

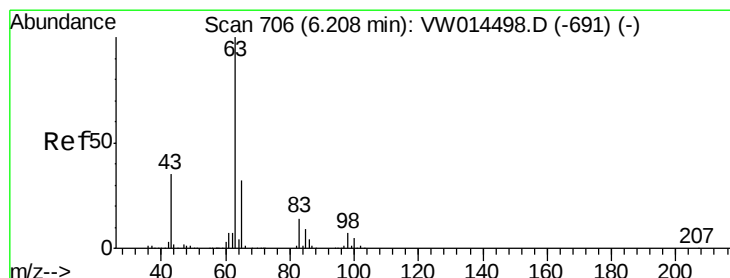
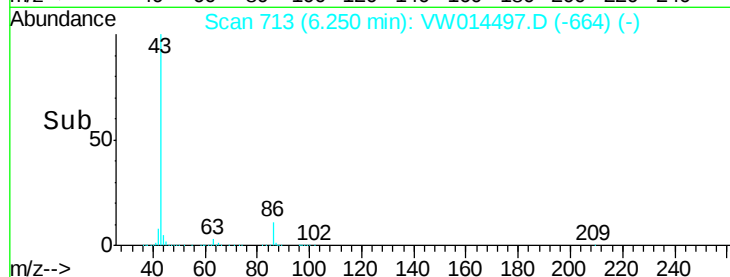
200000

100000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 22.517 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

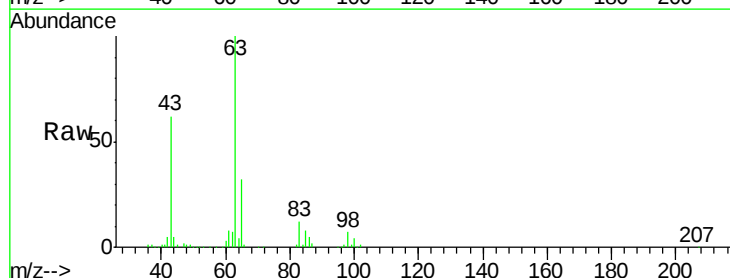
Tgt Ion: 63 Resp: 307309

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.4 2.5 7.4



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

6.21

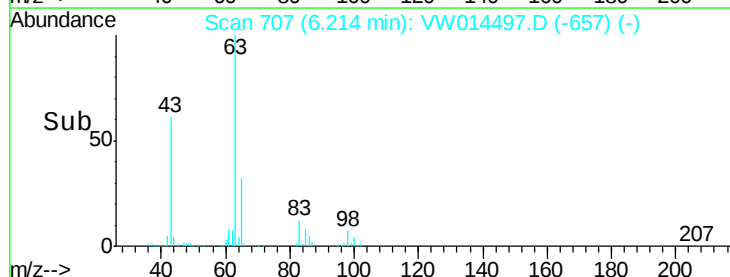
100000

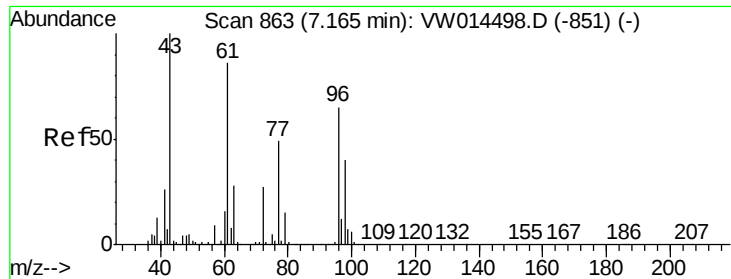
50000

0

6.10 6.20 6.30

Time-->





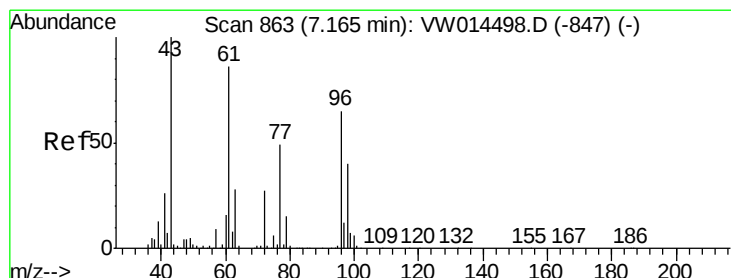
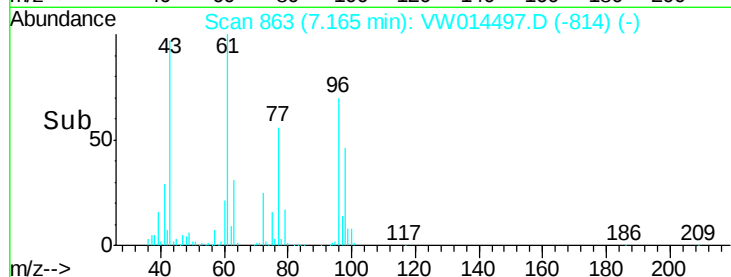
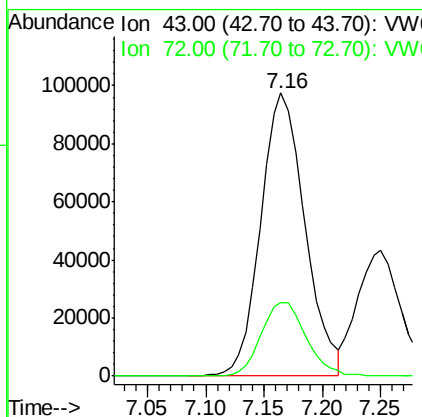
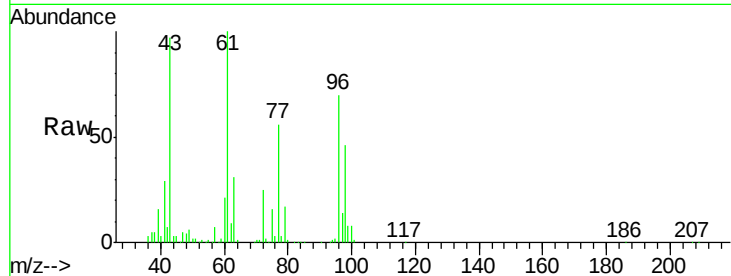
#25
2-Butanone
Concen: 121.927 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 254970
Ion Ratio Lower Upper
43 100
72 25.8 21.9 32.9

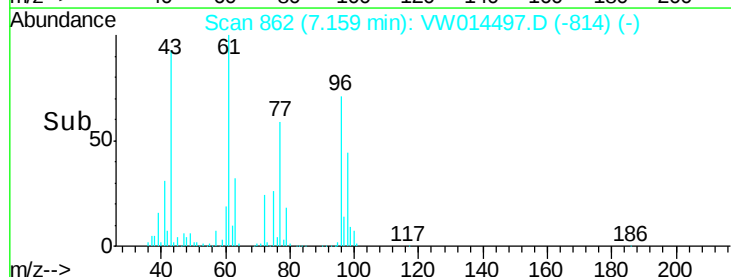
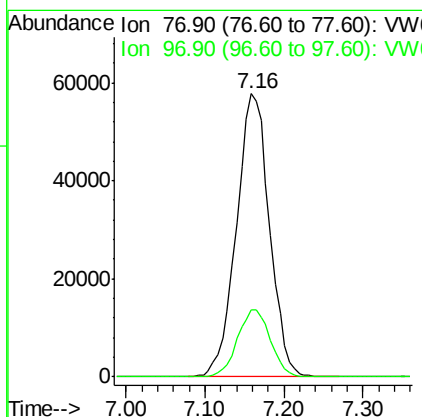
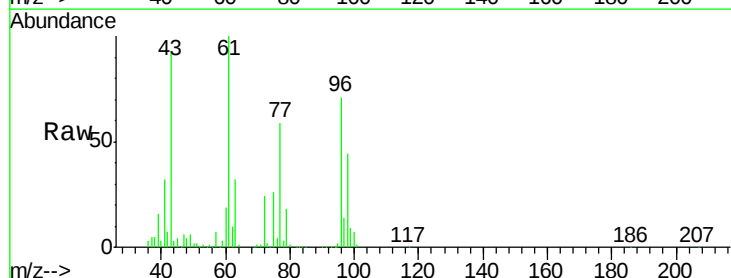
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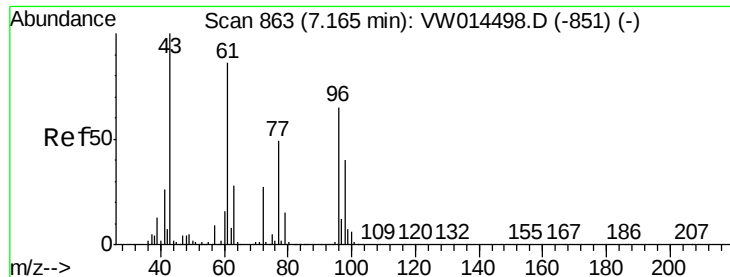
apatel
1/6/2020 10:43:14 AM



#26
2,2-Dichloropropane
Concen: 21.516 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 77 Resp: 168402
Ion Ratio Lower Upper
77 100
97 23.6 12.5 37.5





#27

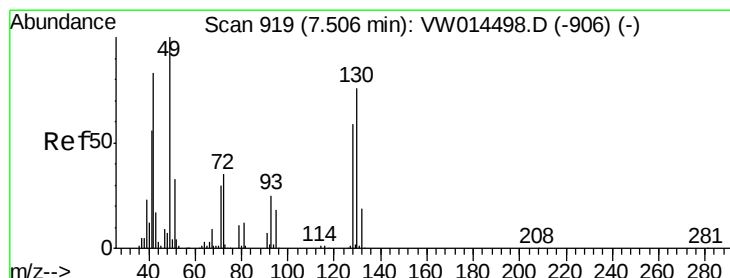
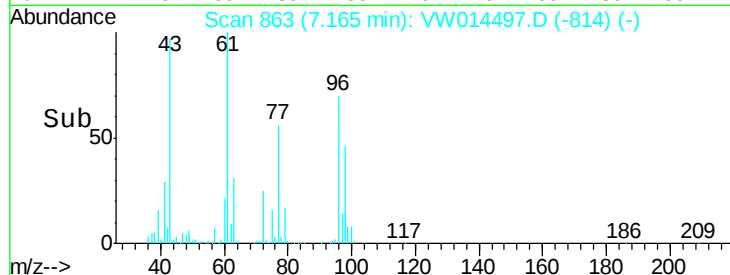
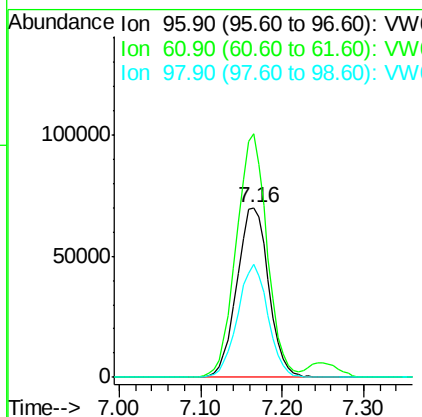
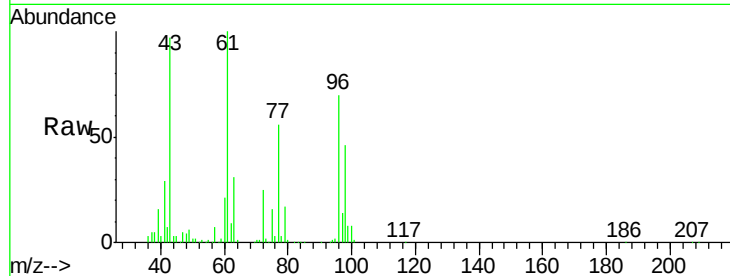
cis-1,2-Dichloroethene
Concen: 21.646 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188862		
61	139.3	0.0	274.8	
98	63.9	0.0	128.6	

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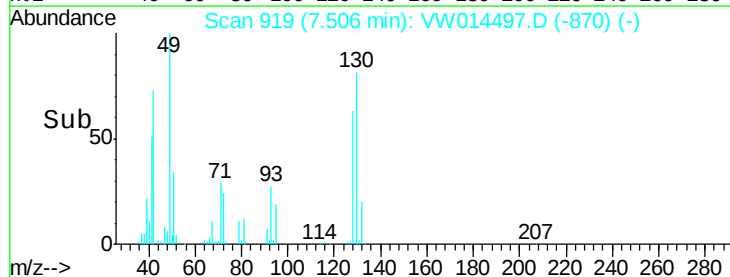
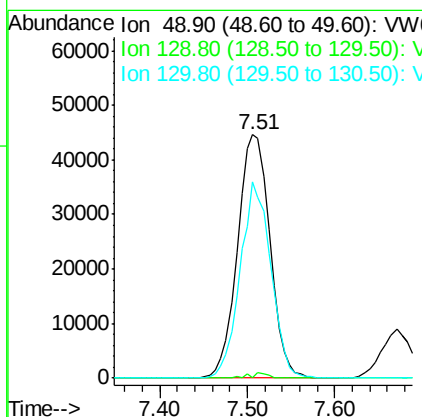
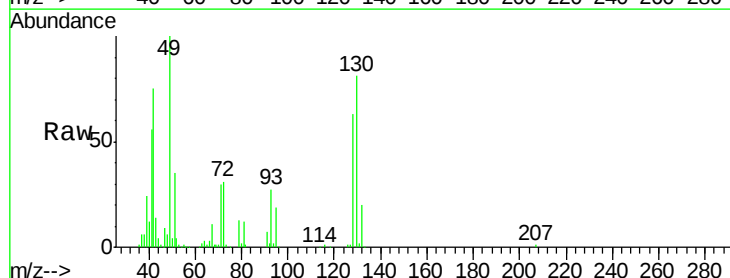
apatel
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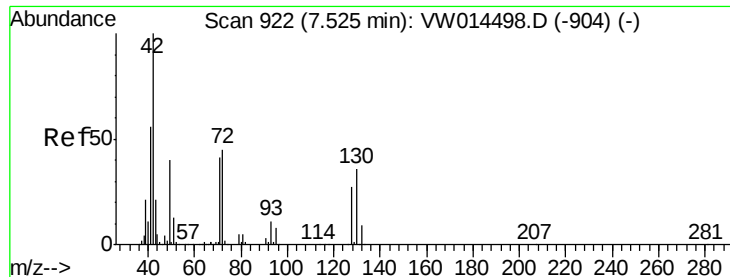


#28

Bromochloromethane
Concen: 25.145 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	115122		
129	1.2	0.0	2.0	
130	76.3	62.5	93.7	





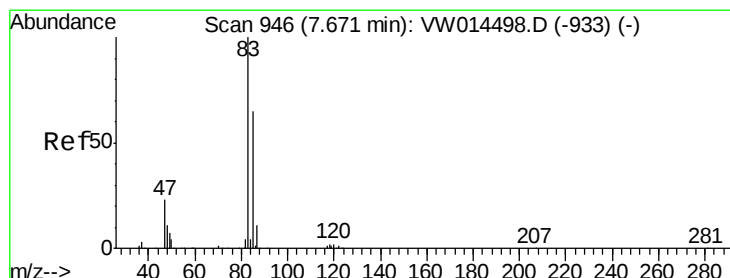
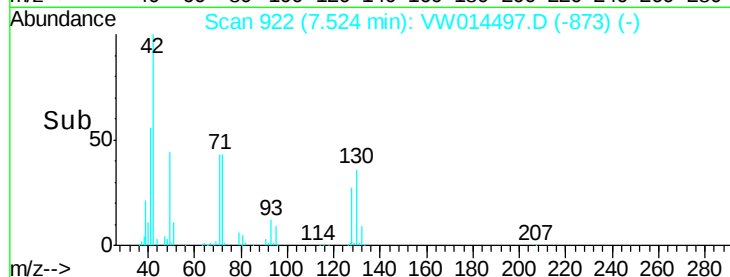
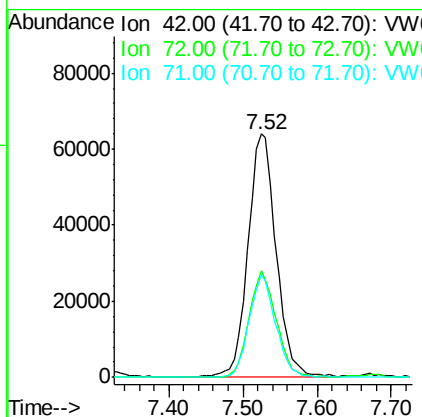
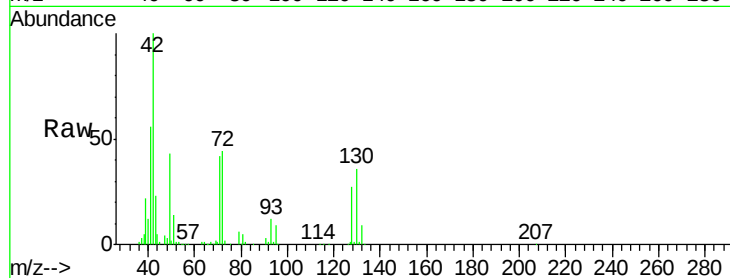
#29
Tetrahydrofuran
Concen: 131.526 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.5	51.7
71	39.4	32.0	48.0

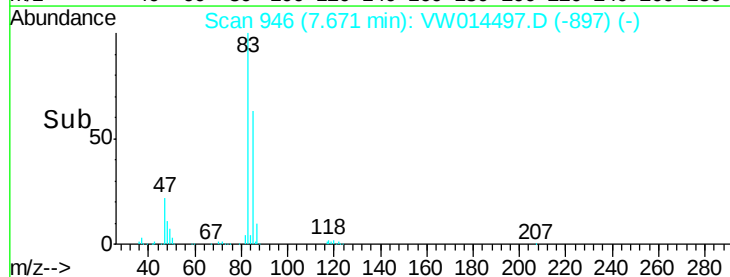
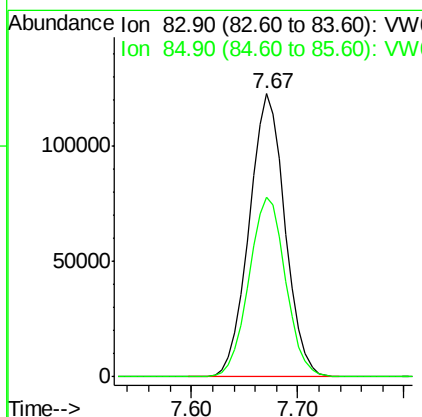
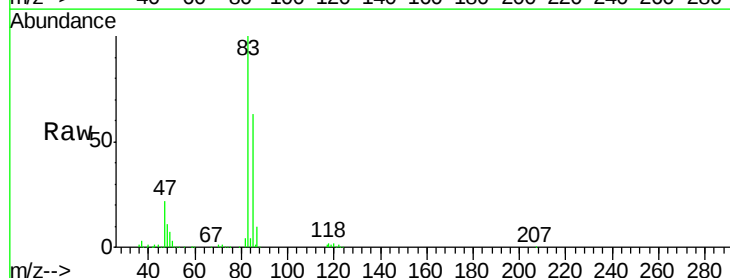
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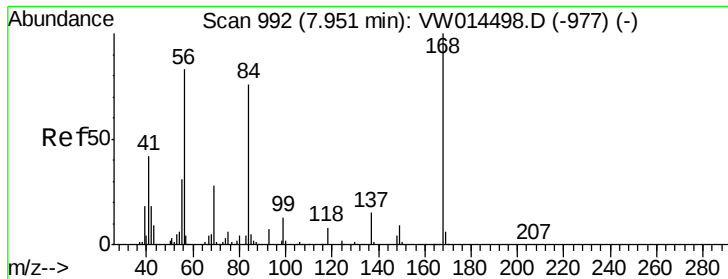
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#30
Chloroform
Concen: 21.644 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.2





#31

Cyclohexane

Concen: 22.150 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

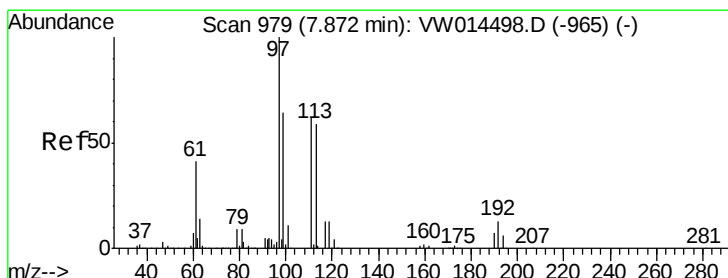
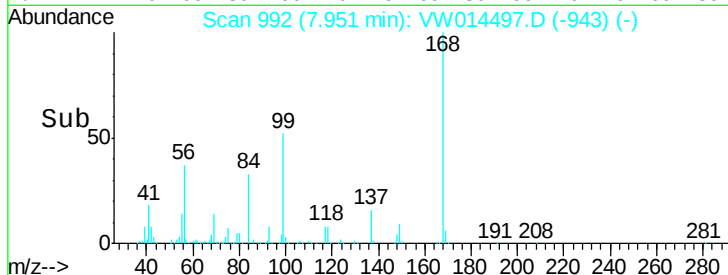
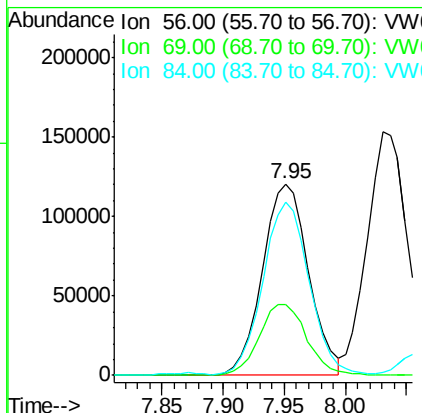
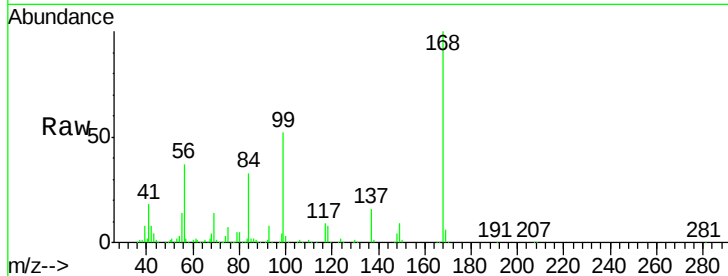
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	316100
Ion Ratio	Lower	Upper	
56	100		
69	37.2	26.8	40.2
84	89.4	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 22.071 ug/l

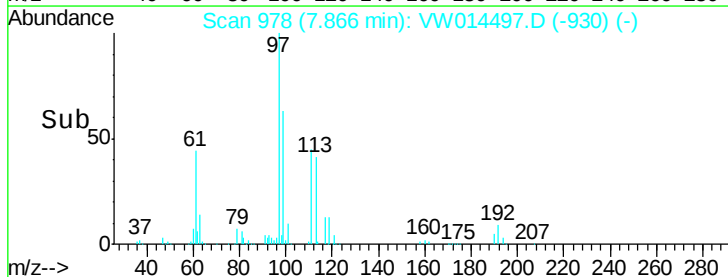
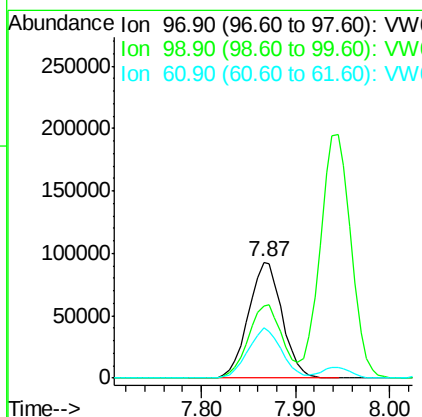
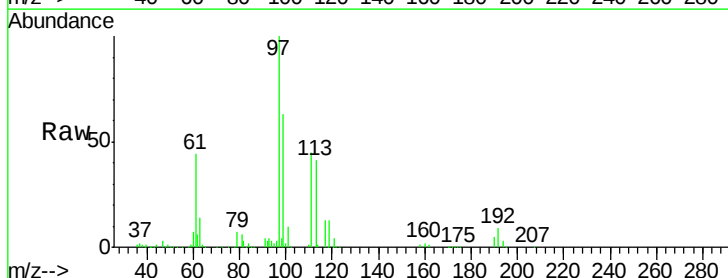
RT: 7.87 min Scan# 978

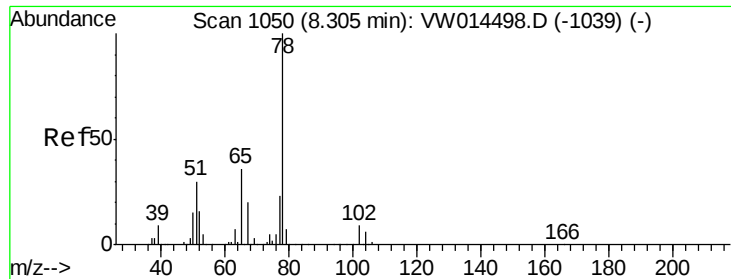
Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:	97	Resp:	233003
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.8	77.6
61	43.1	33.8	50.8





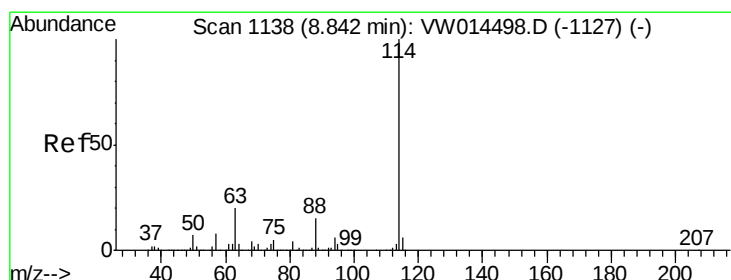
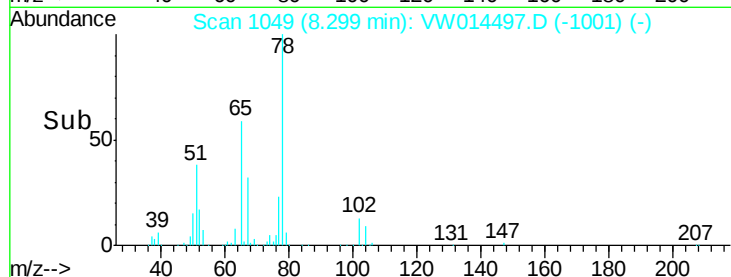
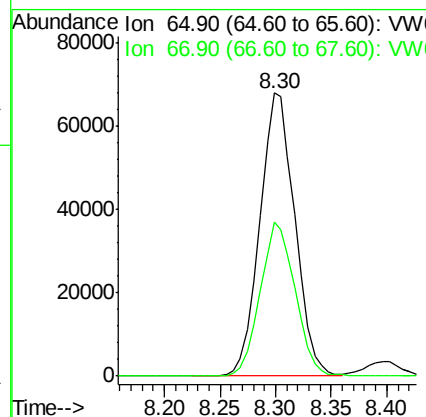
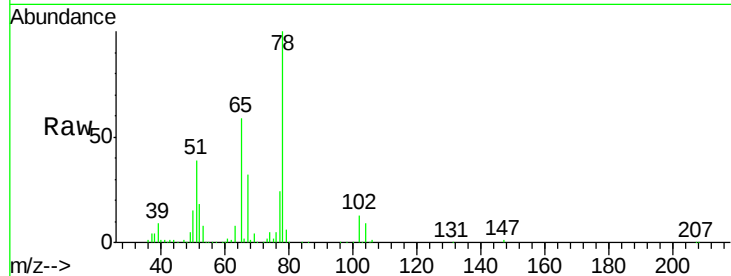
#33
 1,2-Dichloroethane-d4
 Concen: 23.068 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	148516		
67	54.2	0.0	108.4	

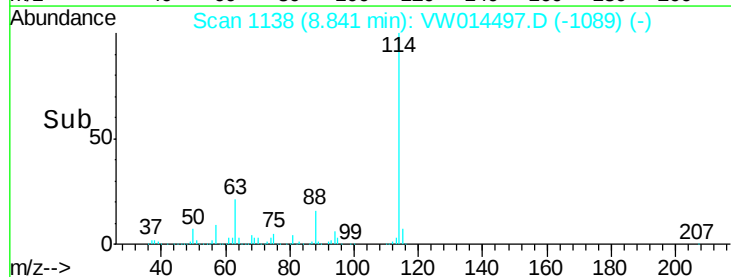
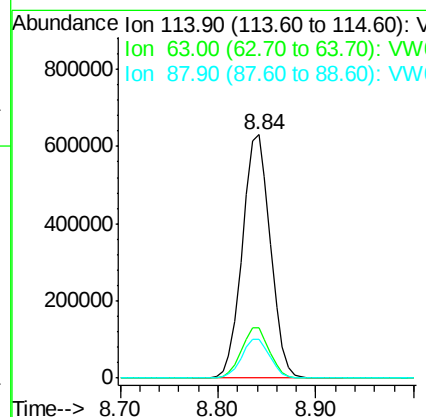
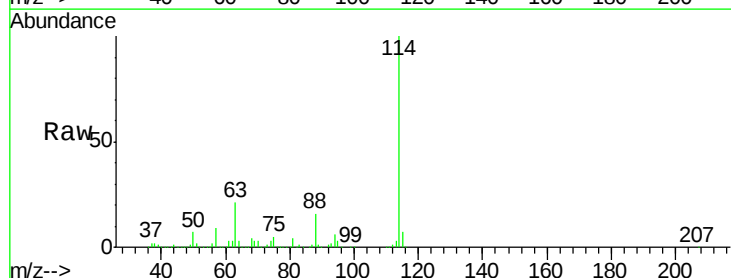
Manual Integrations
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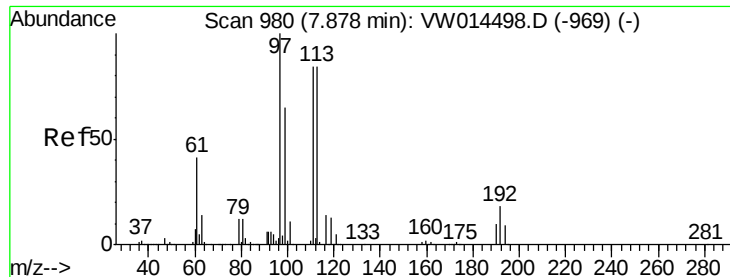
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1255262		
63	20.5	0.0	40.4	
88	16.0	0.0	30.6	





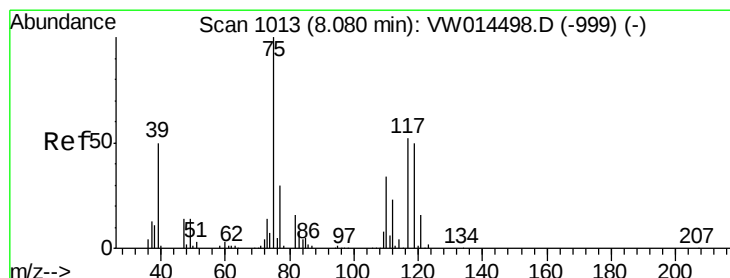
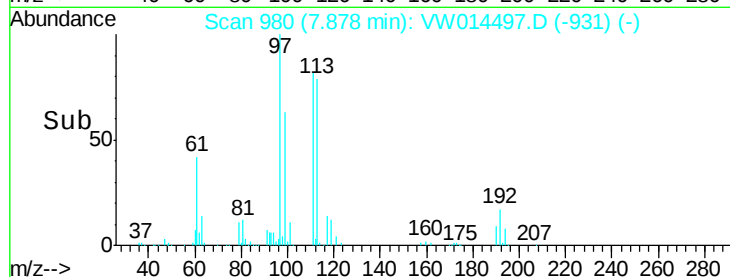
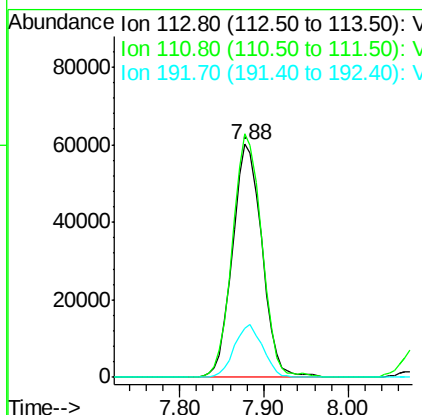
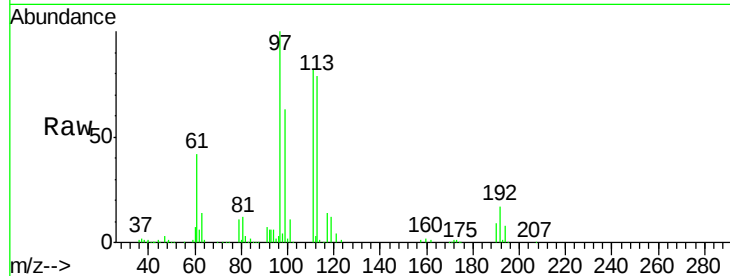
#35
 Dibromofluoromethane
 Concen: 20.528 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.4	122.2
192	21.7	17.8	26.8

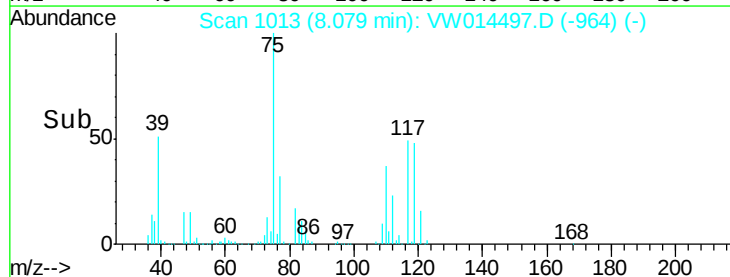
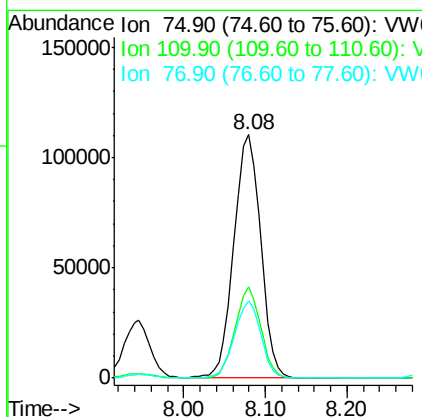
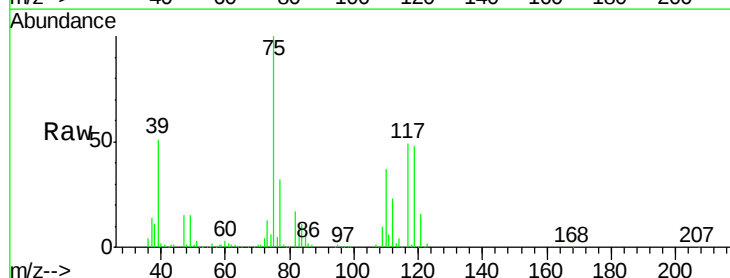
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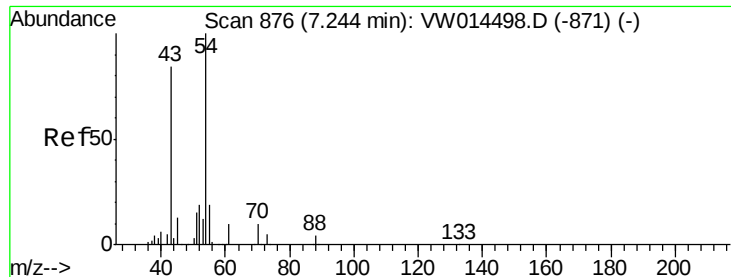
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#36
 1,1-Dichloropropene
 Concen: 21.282 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.8	53.5
77	31.4	24.7	37.1





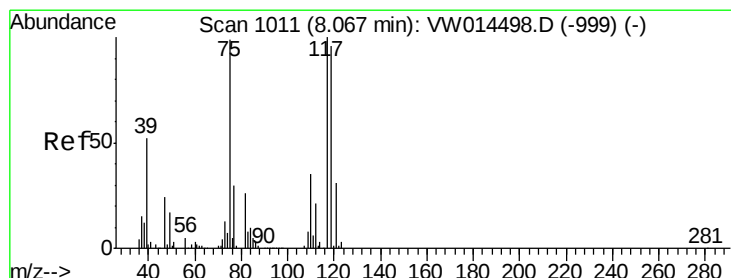
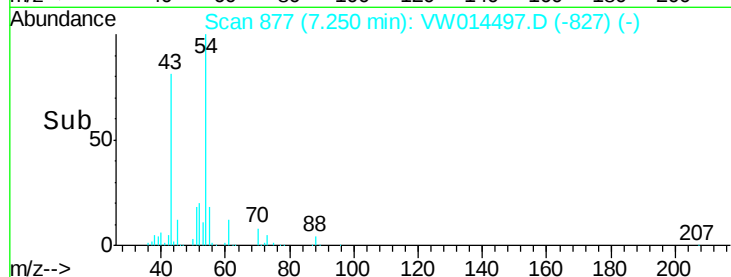
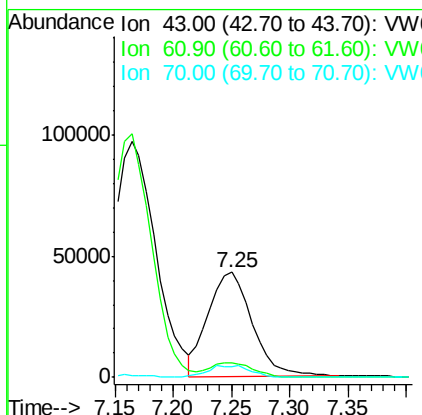
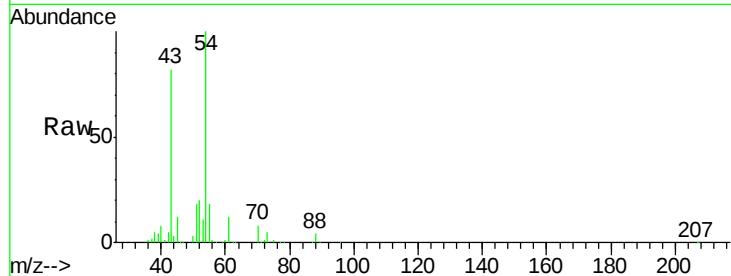
#37
Ethyl Acetate
Concen: 23.632 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.7	17.5
70	11.3	9.0	13.6

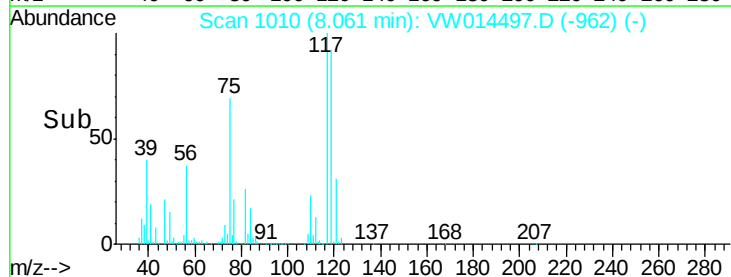
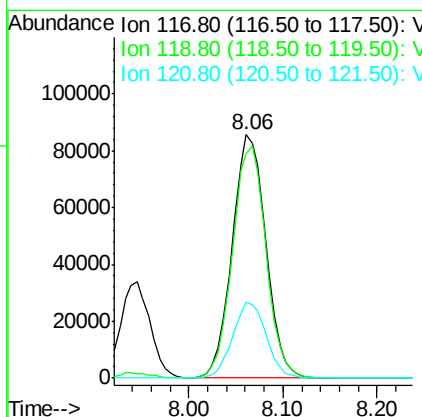
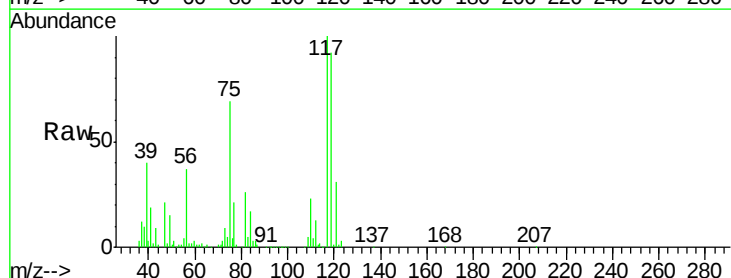
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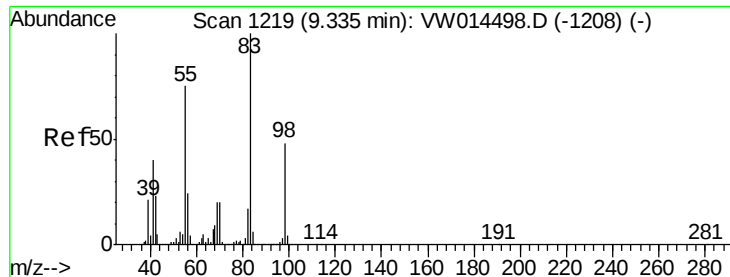
apatel
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#38
Carbon Tetrachloride
Concen: 20.282 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.0	115.6
121	31.0	24.6	36.8





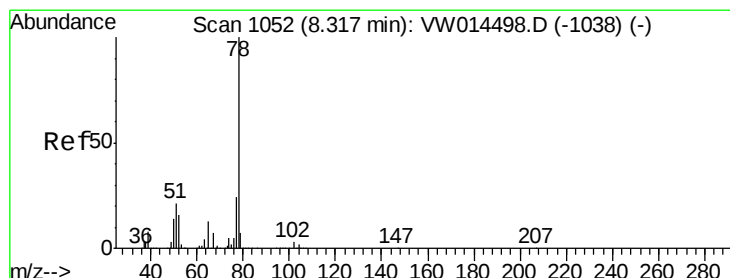
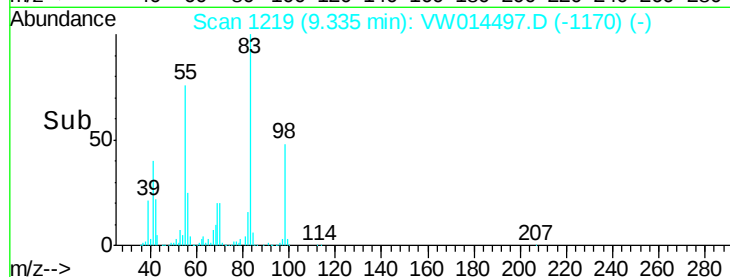
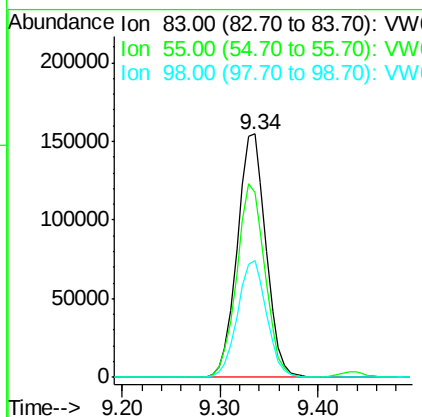
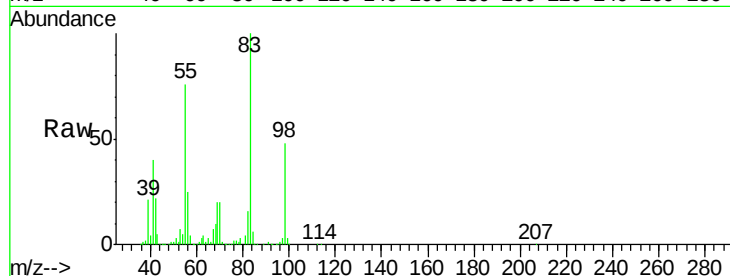
#39
Methvlcvclohexane
Concen: 20.862 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.1	90.1
98	47.8	38.8	58.2

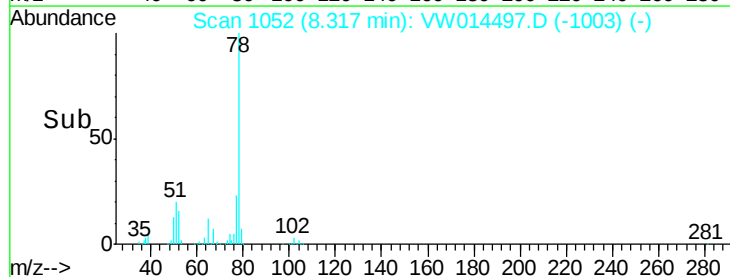
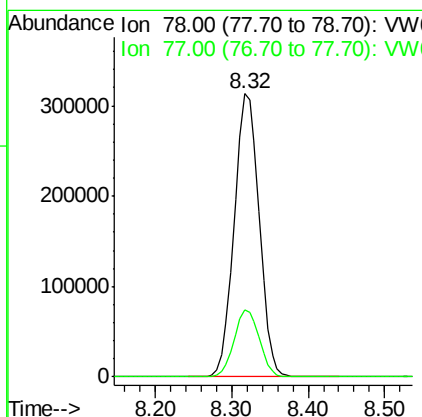
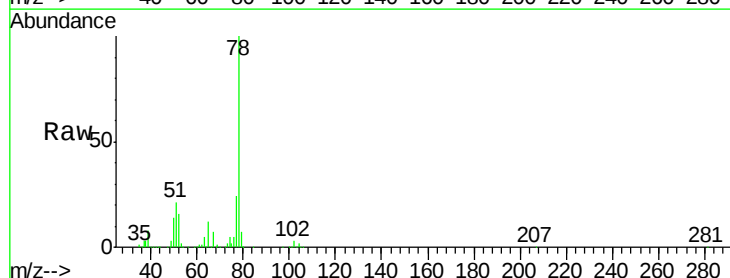
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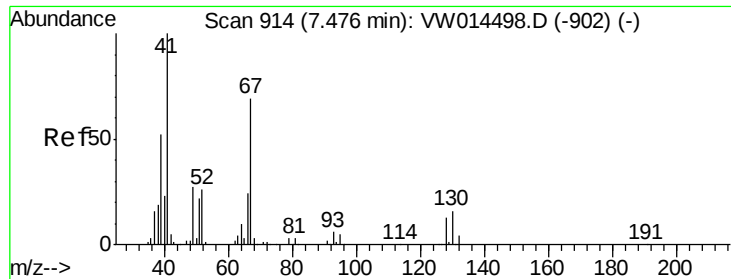
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#40
Benzene
Concen: 21.297 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9





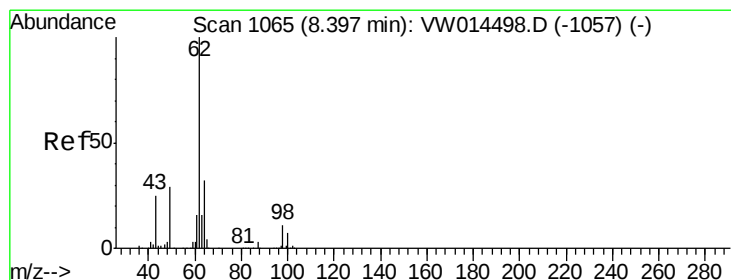
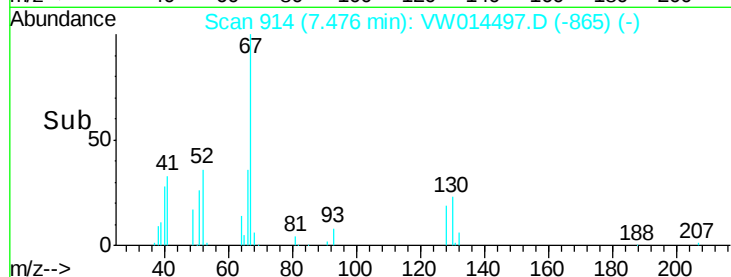
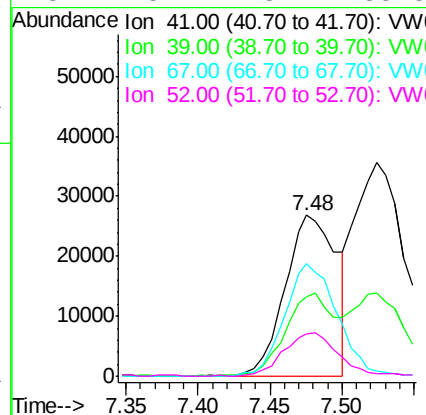
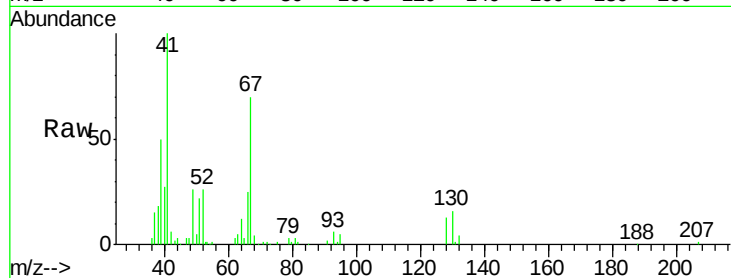
#41
Methacrylonitrile
Concen: 23.031 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	67233
Ion	Ratio	Lower	Upper
41	100		
39	50.6	46.0	69.0
67	71.1	60.8	91.2
52	28.7	23.7	35.5

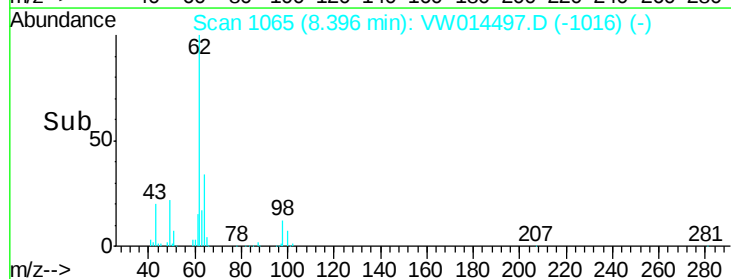
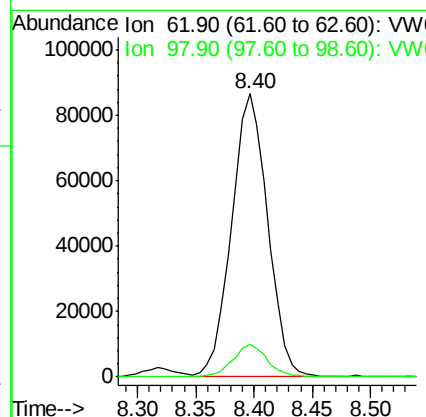
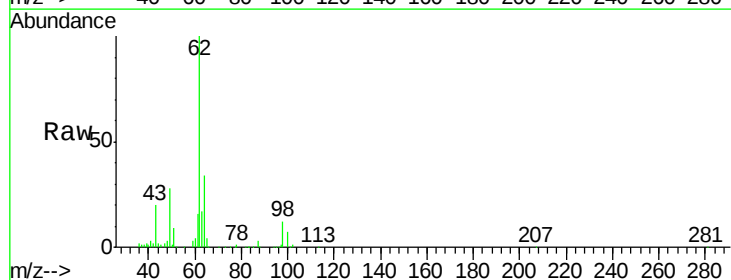
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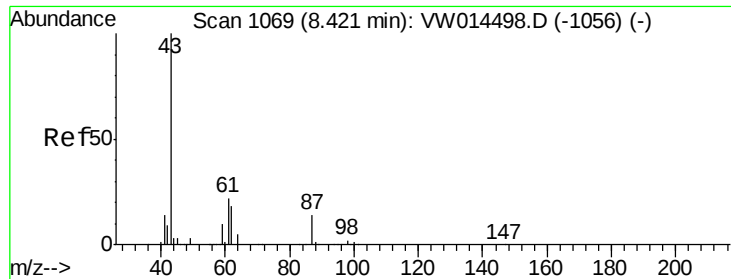
apatel
1/6/2020 10:43:14 AM



#42
1,2-Dichloroethane
Concen: 22.011 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion:	62	Resp:	186064
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.0





#43

Isopropyl Acetate

Concen: 22.663 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

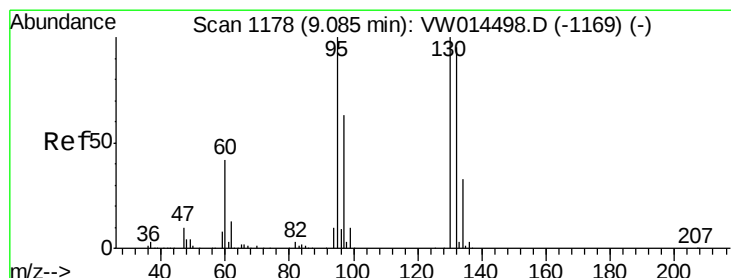
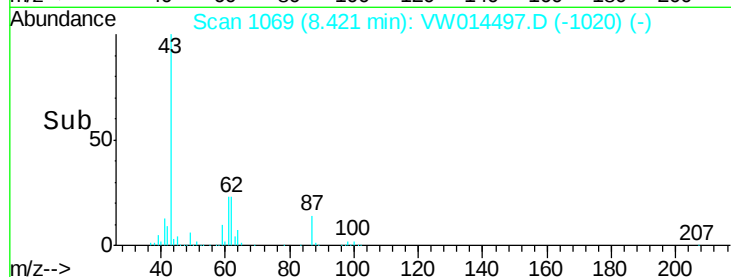
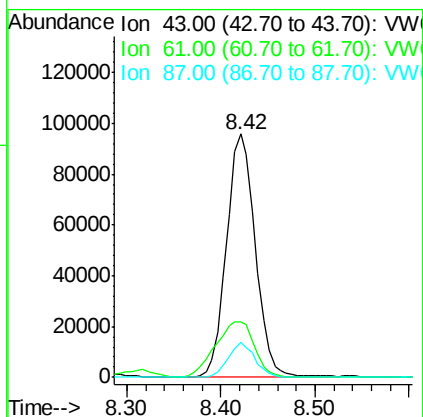
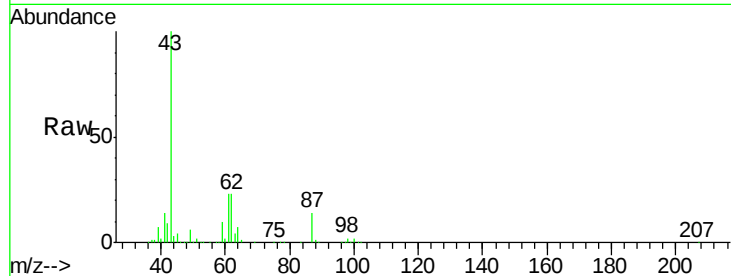
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	202890
Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.7	37.1
87	13.5	11.1	16.7

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#44

Trichloroethene

Concen: 20.127 ug/l

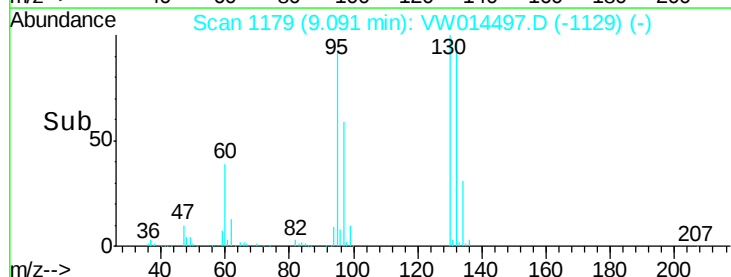
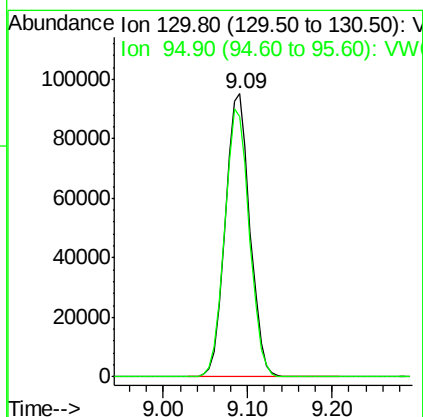
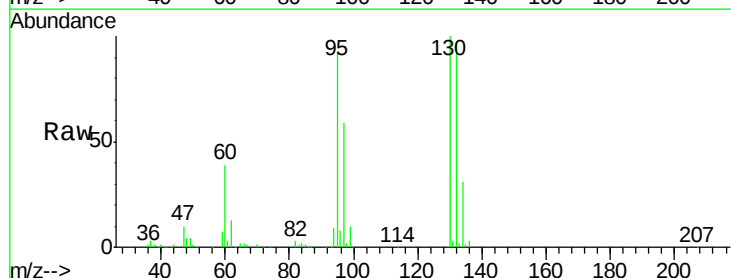
RT: 9.09 min Scan# 1179

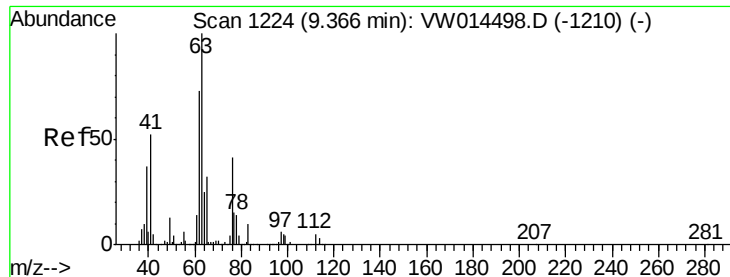
Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:	130	Resp:	189542
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	199.4





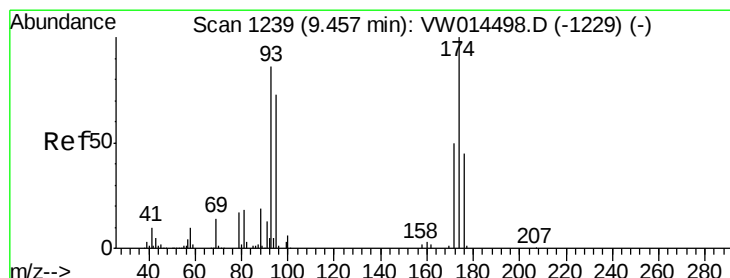
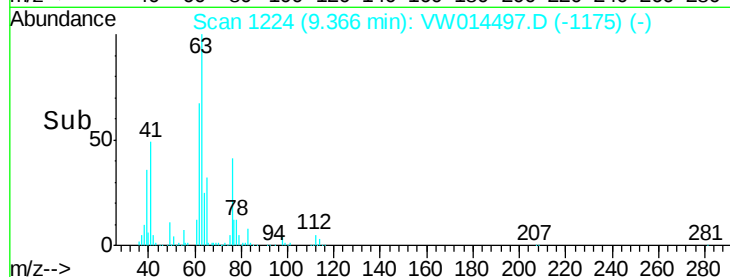
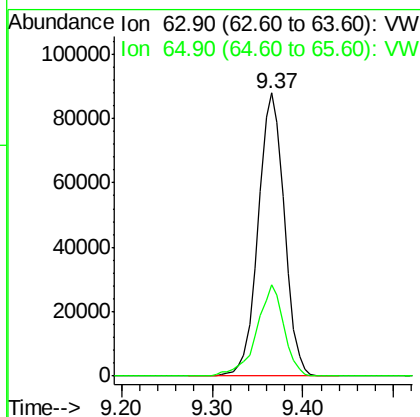
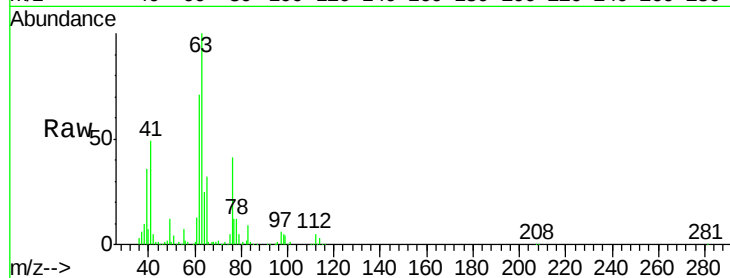
#45
 1,2-Dichloropropane
 Concen: 21.946 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4

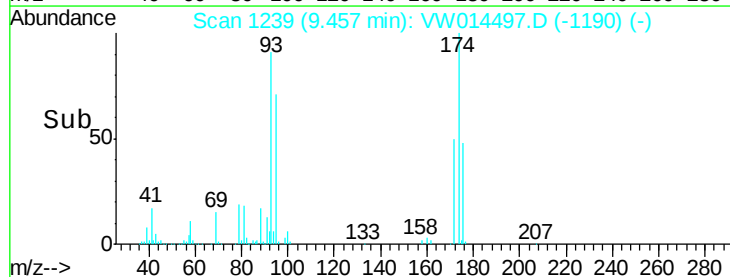
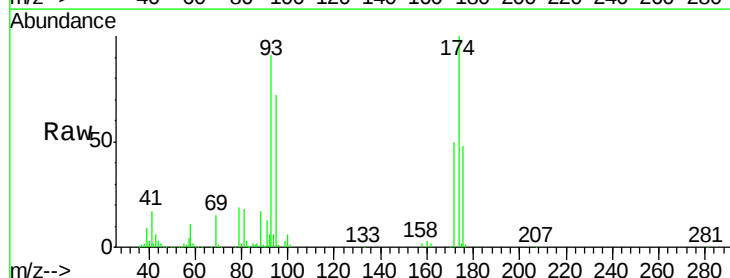
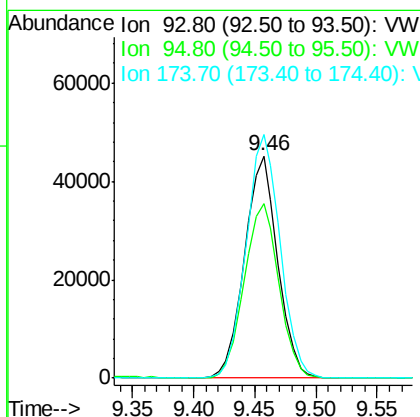
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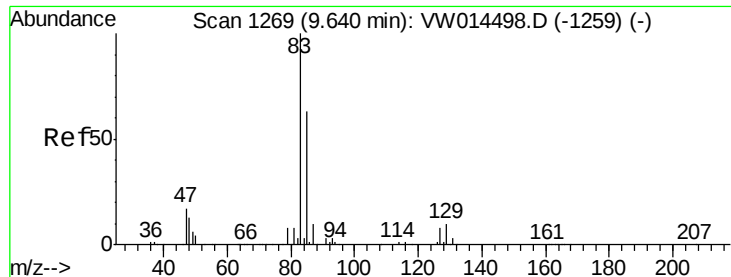
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#46
 Dibromomethane
 Concen: 21.723 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.4	99.6
174	112.8	89.1	133.7





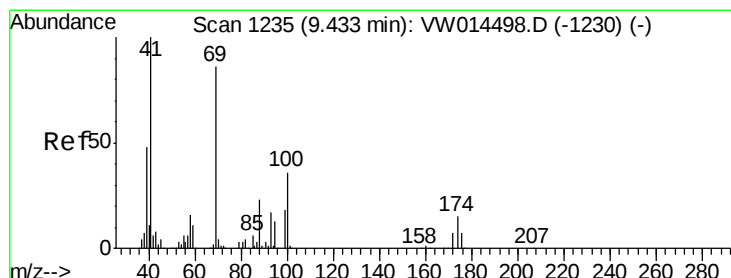
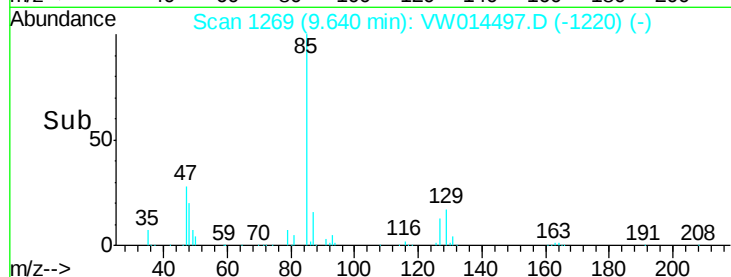
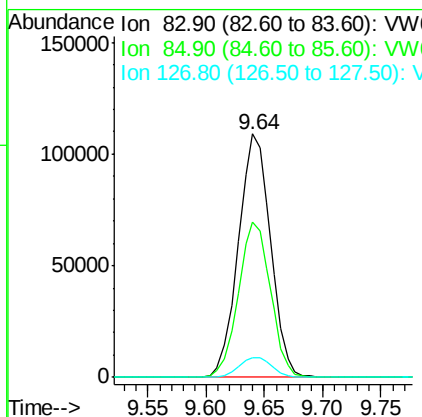
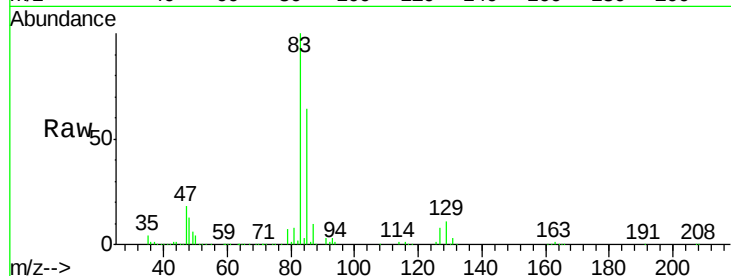
#47
Bromodichloromethane
Concen: 21.006 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	209922		
85	63.5		50.6	76.0
127	8.3		6.6	9.8

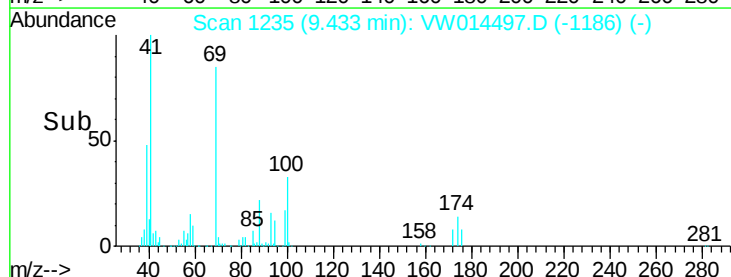
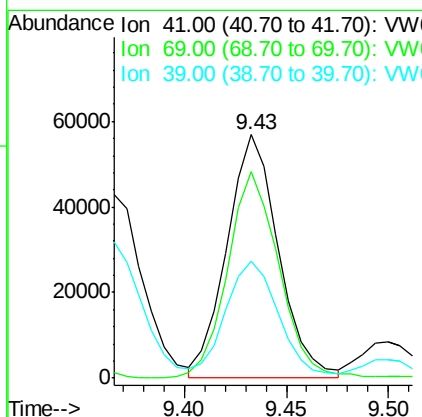
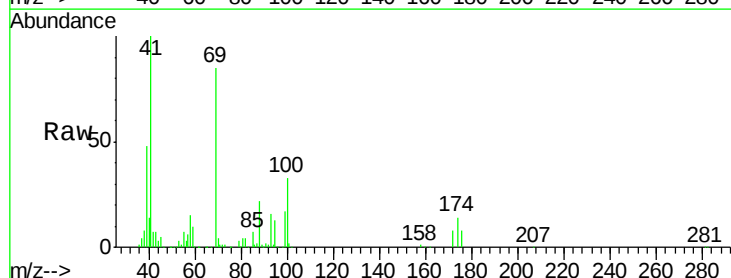
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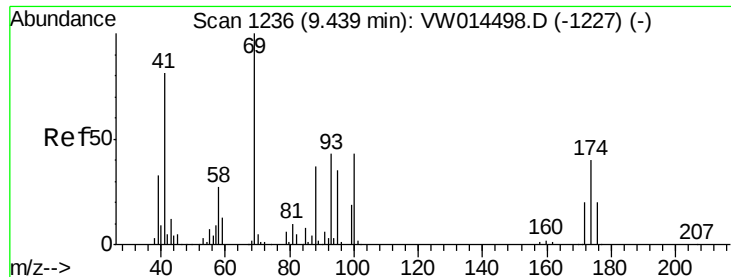
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#48
Methyl methacrylate
Concen: 22.413 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	99084		
69	85.3		68.3	102.5
39	45.6		36.8	55.2





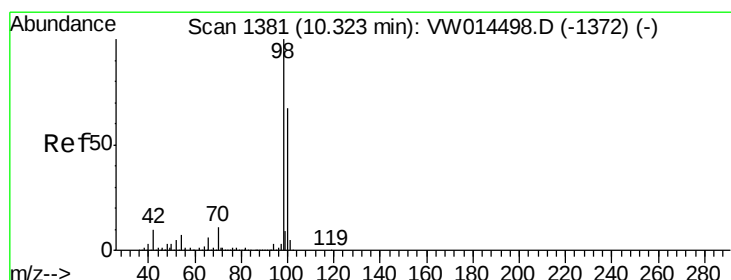
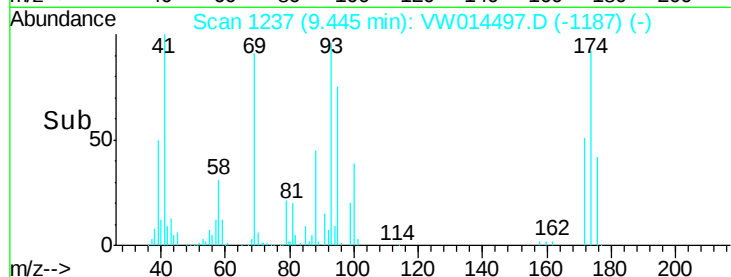
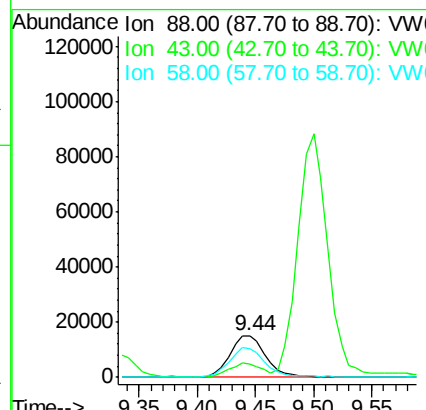
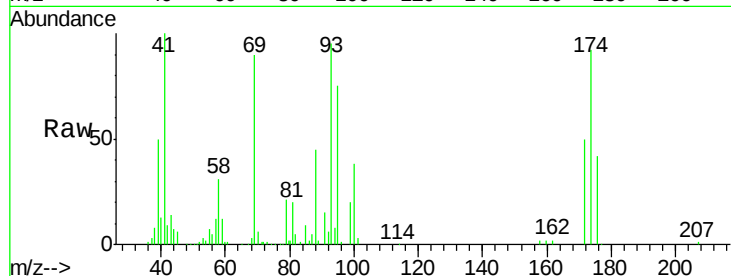
#49
1,4-Dioxane
Concen: 517.620 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	24.9	37.3
58	73.3	56.9	85.3

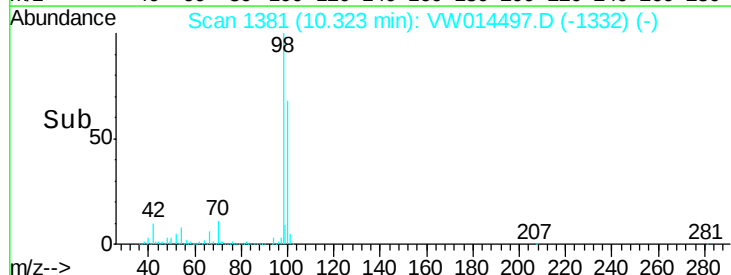
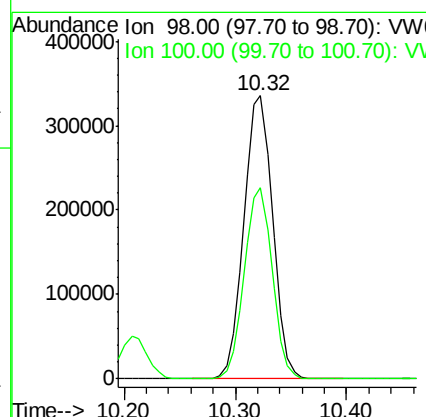
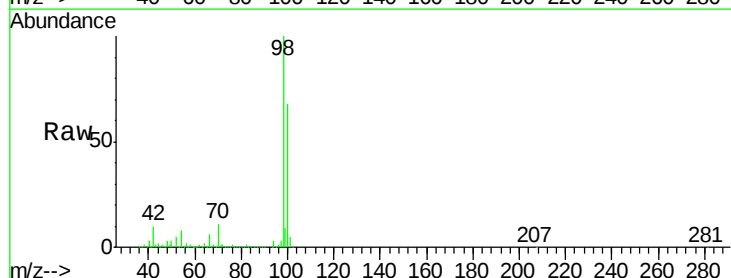
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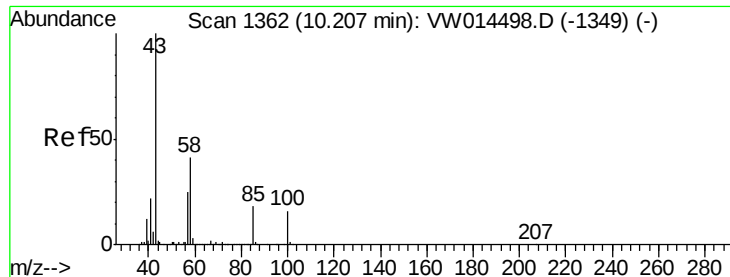
apatel
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#50
Toluene-d8
Concen: 21.310 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 119.051 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 538353

Ion Ratio Lower Upper

43 100

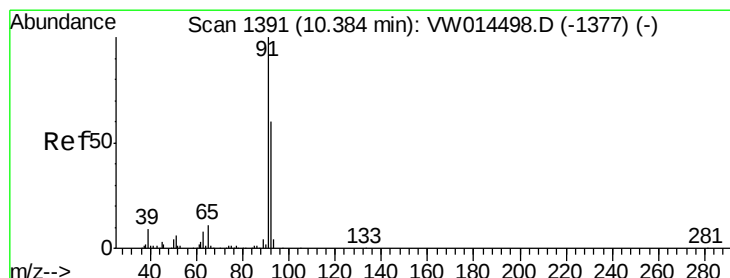
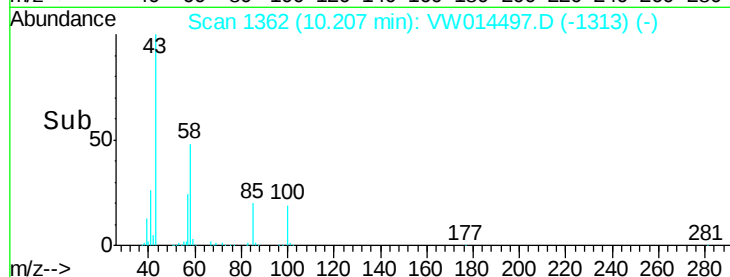
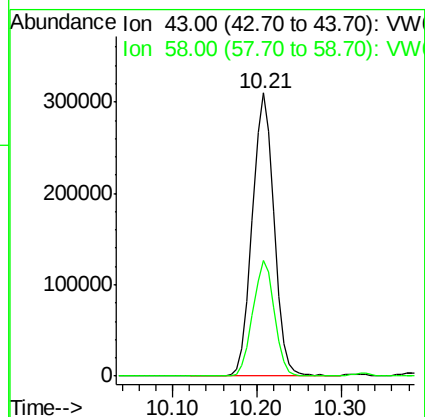
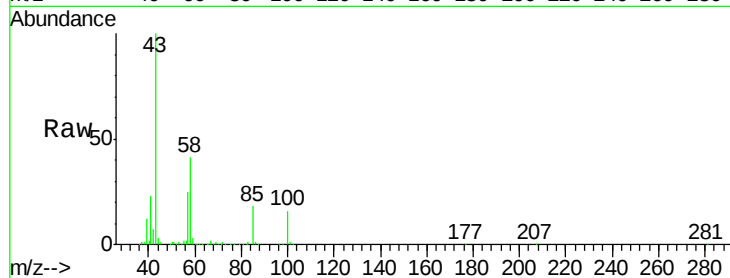
58 40.5 32.7 49.1

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#52

Toluene

Concen: 20.679 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014497.D

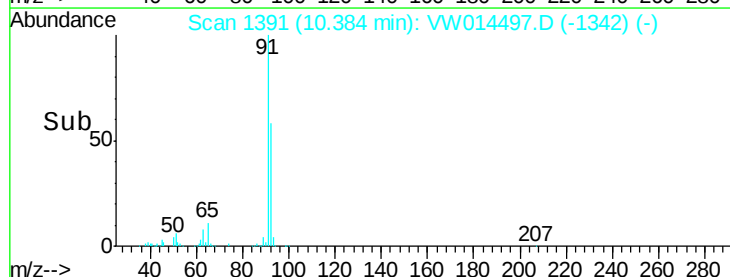
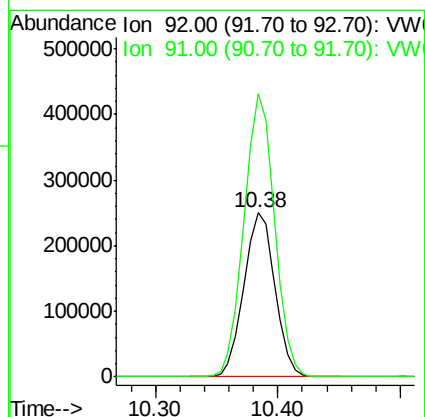
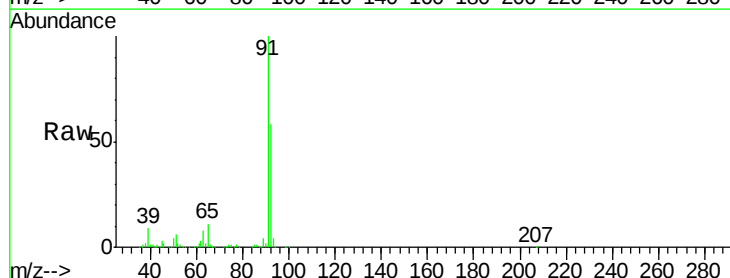
Acq: 03 Jan 2020 14:21

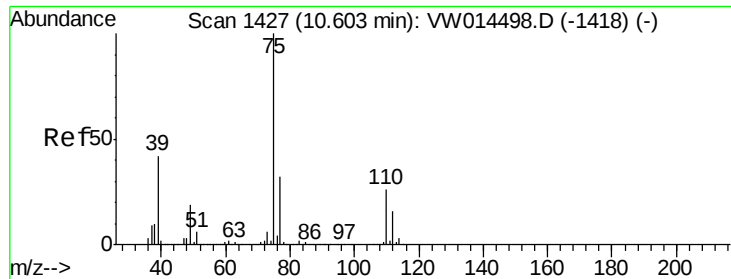
Tgt Ion: 92 Resp: 441921

Ion Ratio Lower Upper

92 100

91 169.7 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 21.394 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 217974

Ion Ratio Lower Upper

75 100

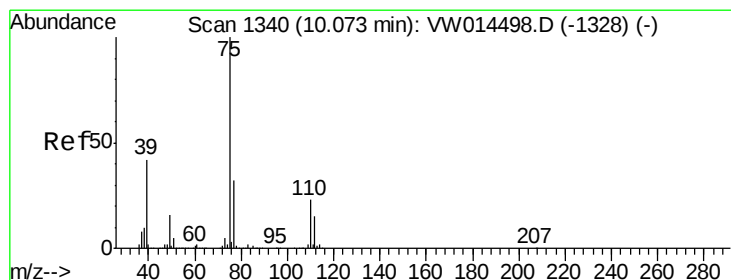
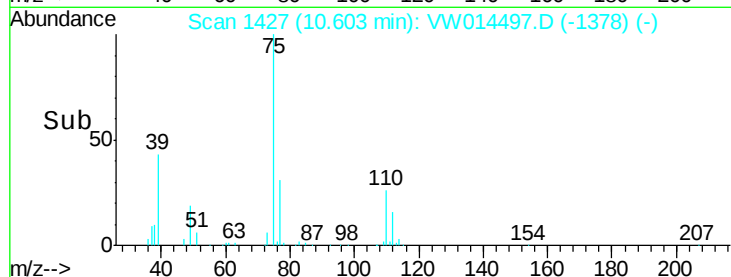
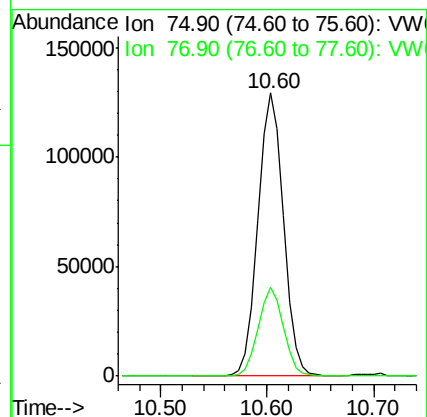
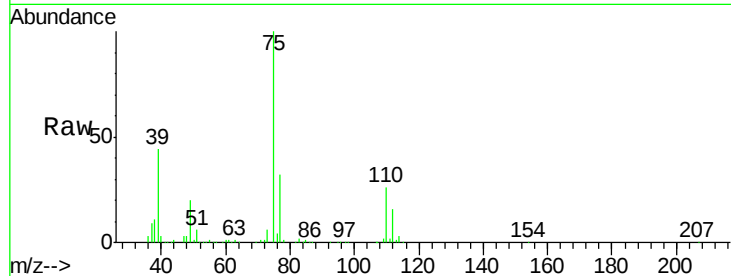
77 31.5 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 21.112 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

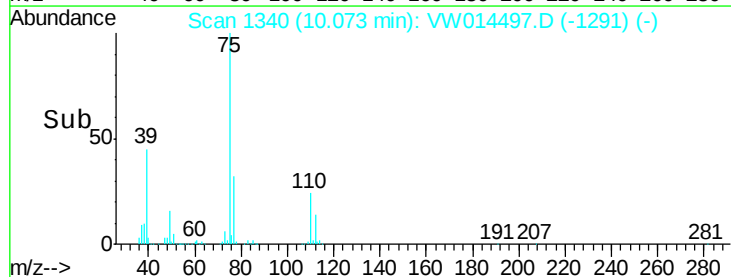
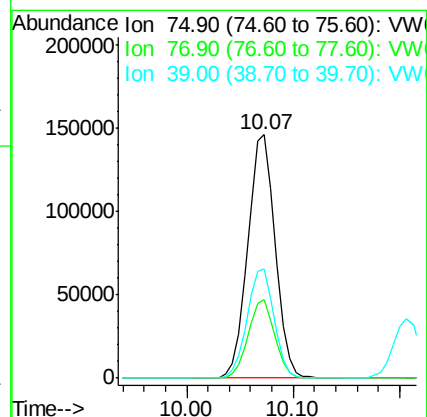
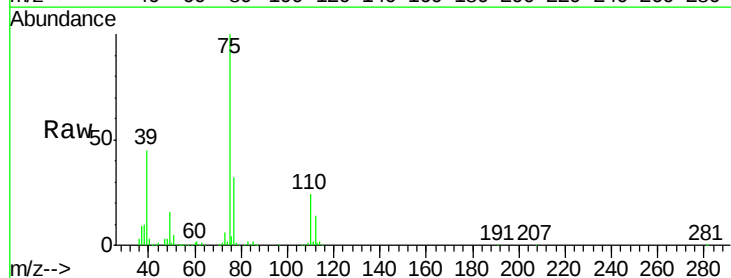
Tgt Ion: 75 Resp: 264360

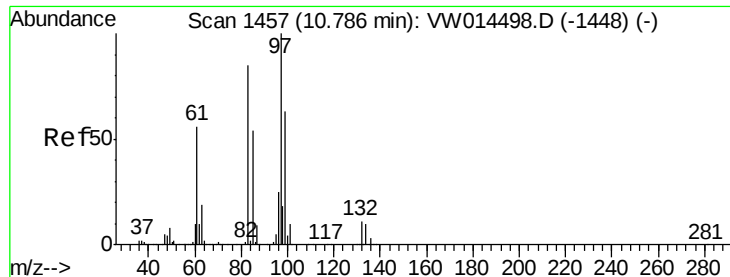
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 44.5 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 21.213 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

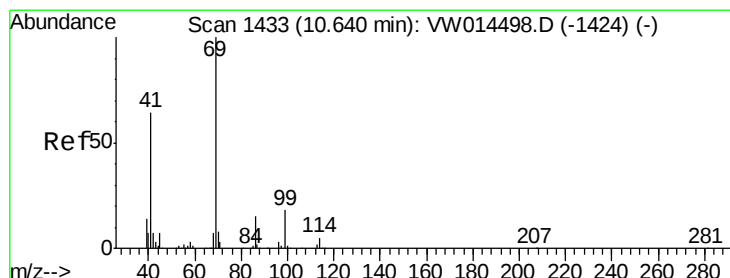
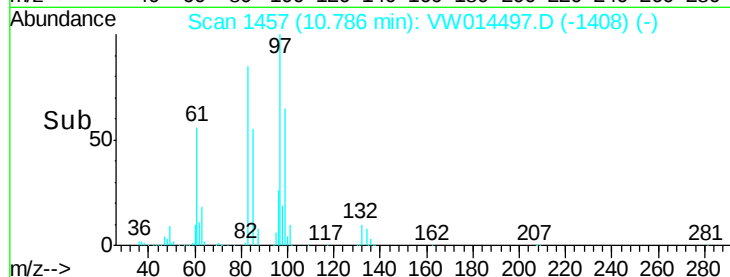
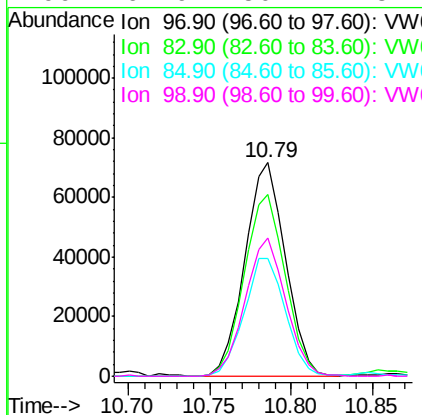
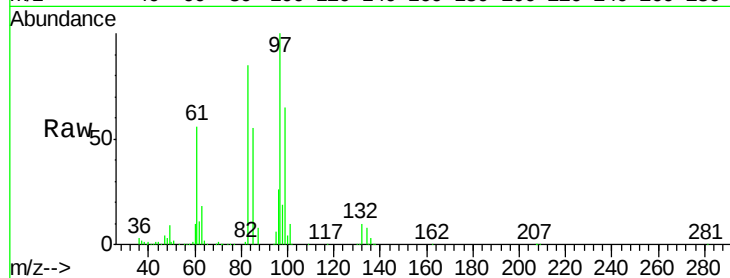
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	123694
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.4
85	55.2	43.0	64.4
99	64.9	50.1	75.1

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#56

Ethyl methacrylate

Concen: 21.710 ug/l

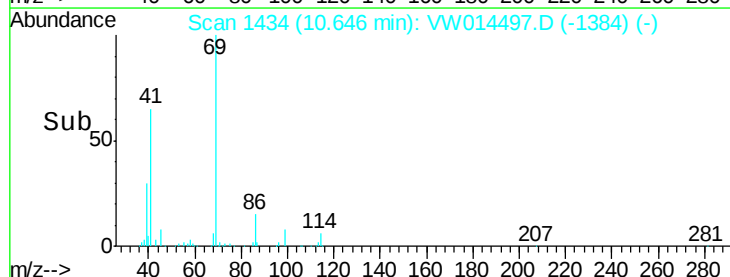
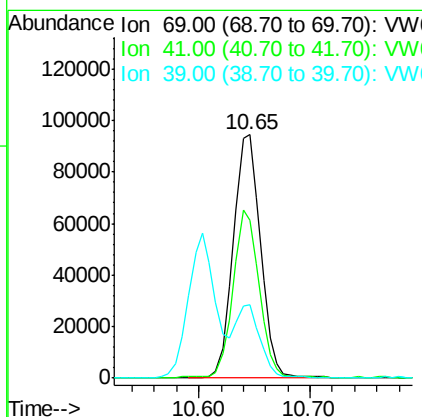
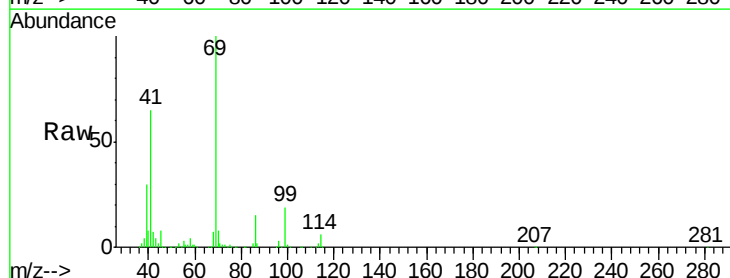
RT: 10.65 min Scan# 1434

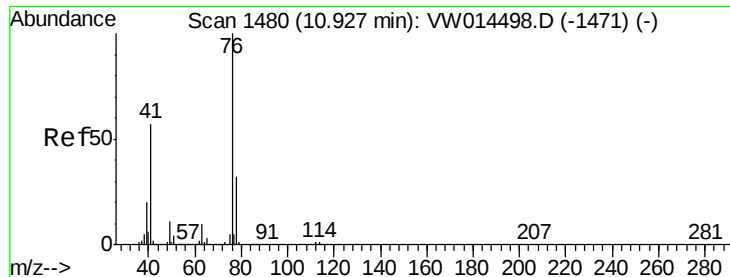
Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:	69	Resp:	160568
Ion	Ratio	Lower	Upper
69	100		
41	66.1	51.3	76.9
39	26.5	21.0	31.6





#57

1,3-Dichloropropane

Concen: 22.009 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 220272

Ion Ratio Lower Upper

76 100

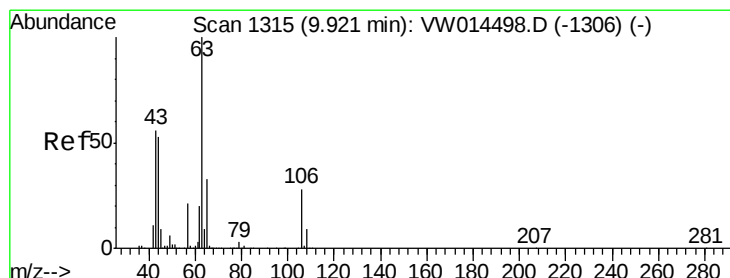
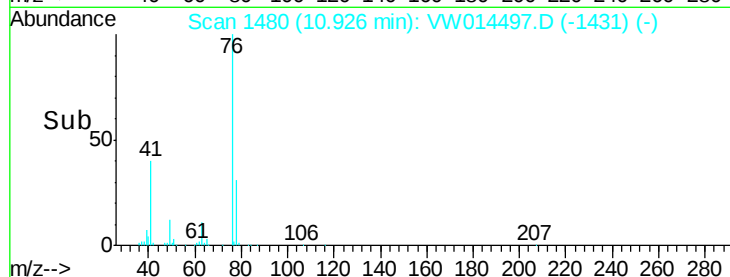
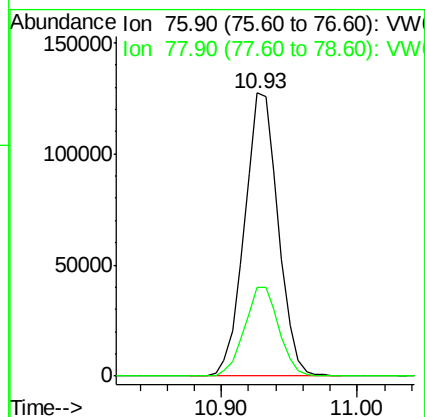
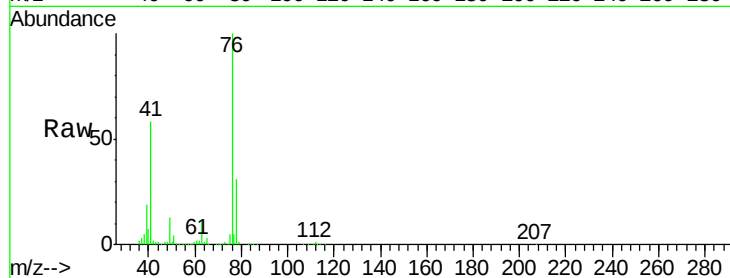
78 32.1 25.9 38.9

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#58

2-Chloroethyl Vinyl ether

Concen: 71.695 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014497.D

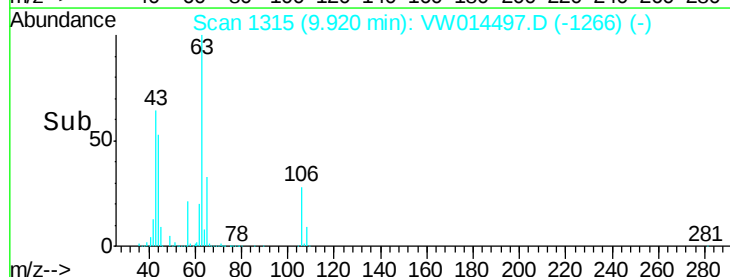
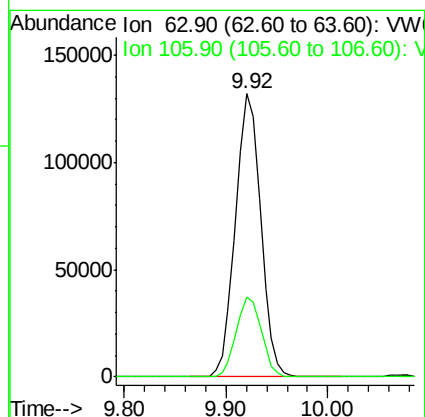
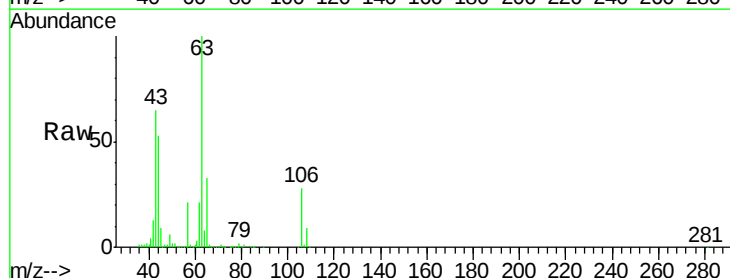
Acq: 03 Jan 2020 14:21

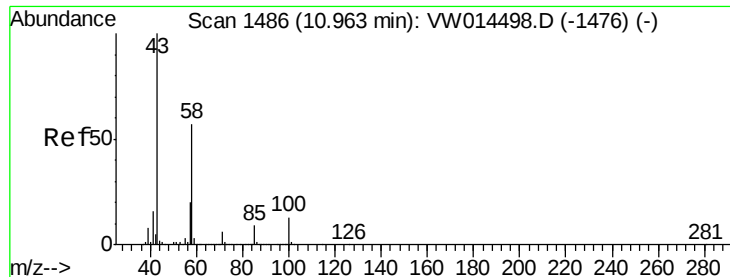
Tgt Ion: 63 Resp: 226309

Ion Ratio Lower Upper

63 100

106 28.3 23.0 34.6





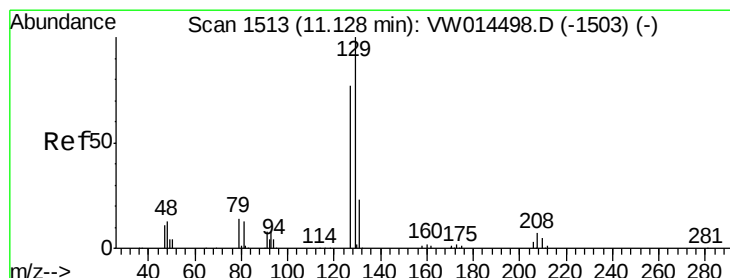
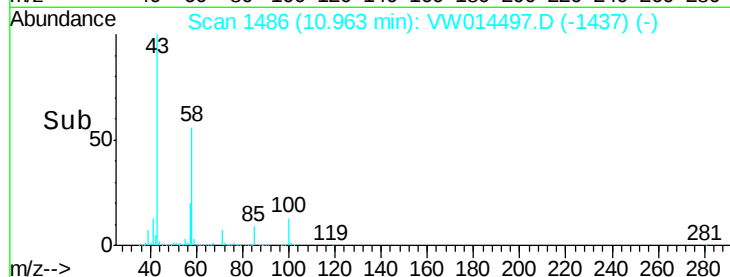
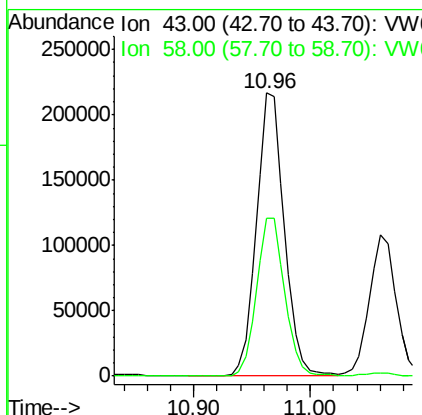
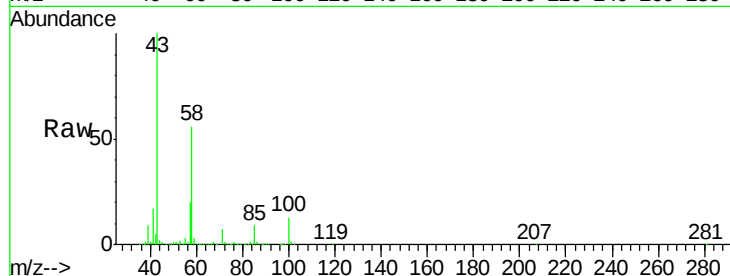
#59
2-Hexanone
Concen: 115.633 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 359830
Ion Ratio Lower Upper
43 100
58 56.6 28.7 86.3

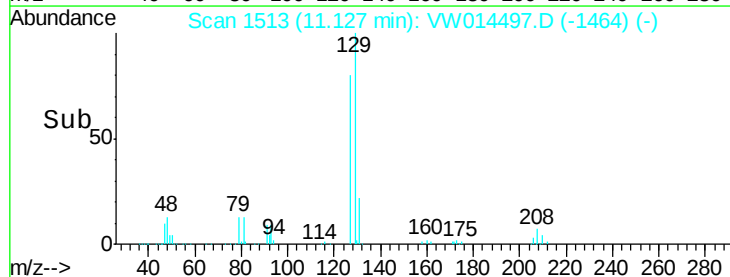
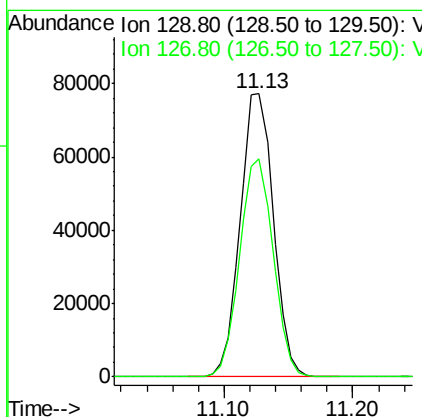
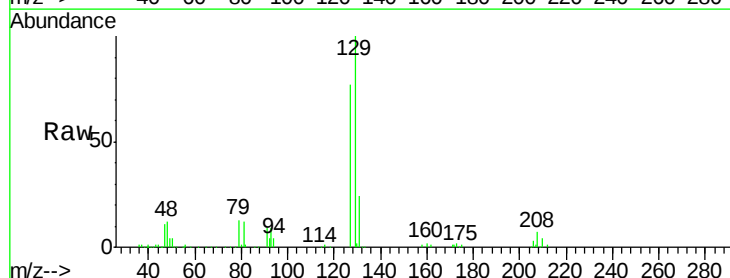
Manual Integrations
APPROVED

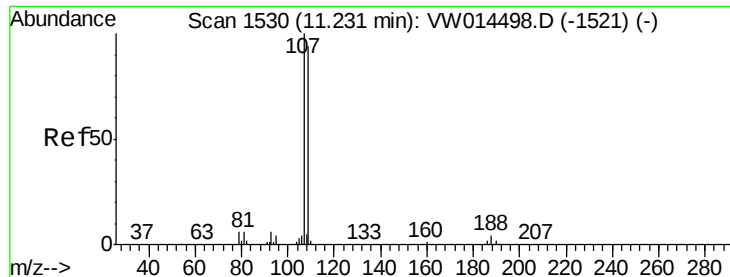
apatel
1/6/2020 10:43:14 AM



#60
Dibromochloromethane
Concen: 20.174 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 129 Resp: 137851
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.330 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 117846

Ion Ratio Lower Upper

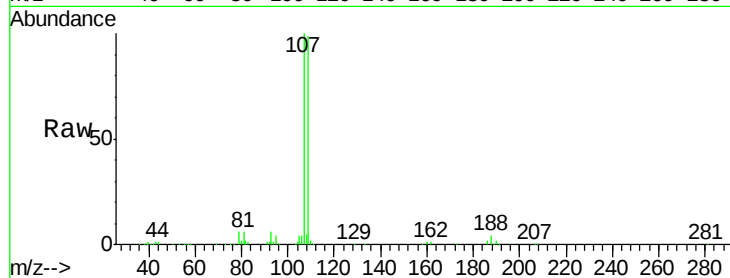
107 100

109 95.6 75.1 112.7

Manual Integrations
APPROVED

apatel

1/6/2020 10:43:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

80000

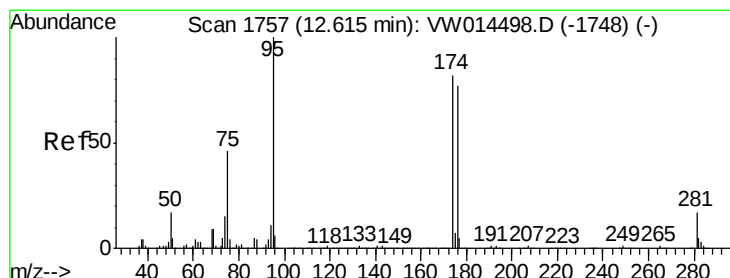
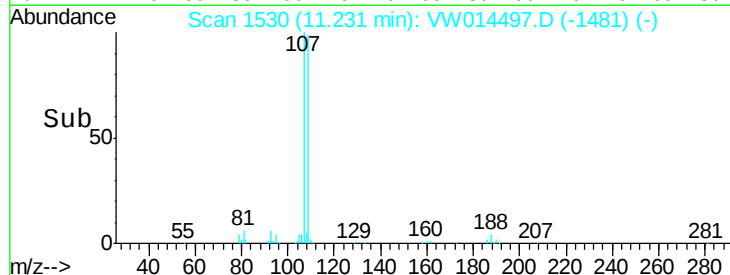
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.980 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

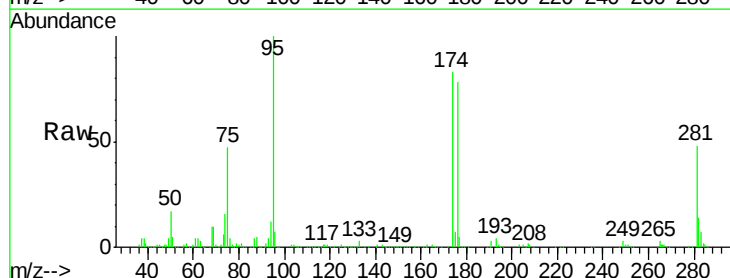
Tgt Ion: 95 Resp: 201490

Ion Ratio Lower Upper

95 100

174 84.1 0.0 168.6

176 81.0 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.61

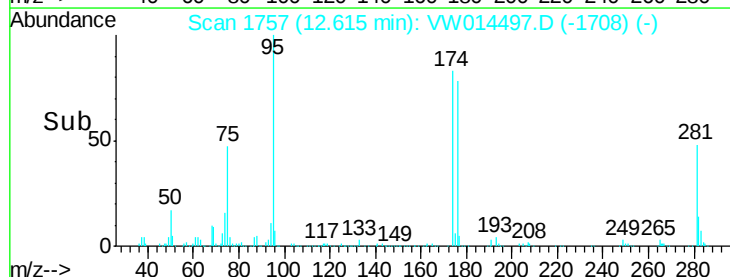
150000

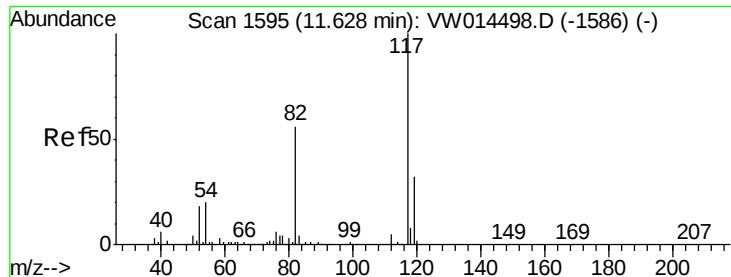
100000

50000

0

Time-->





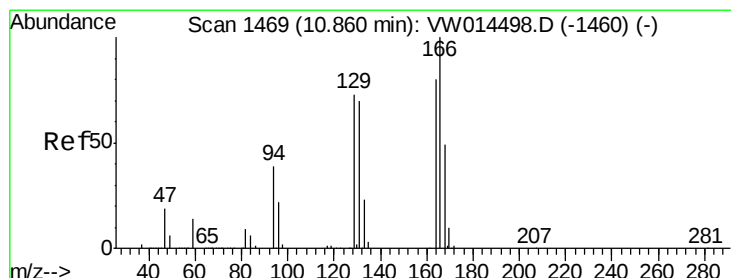
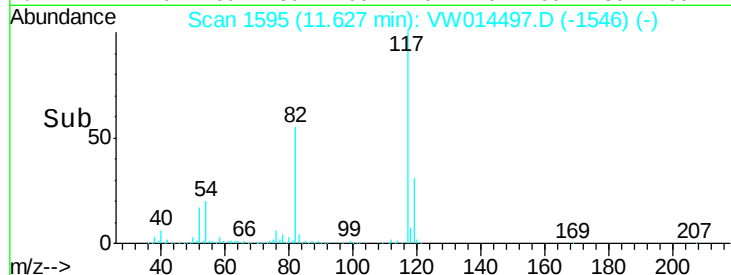
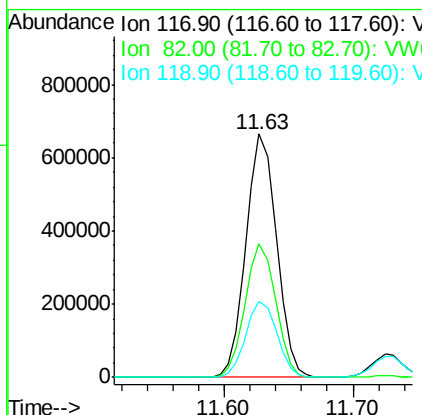
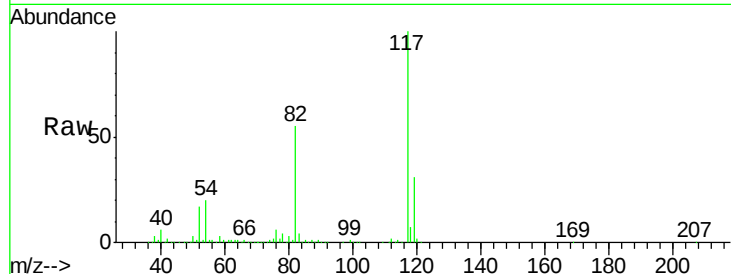
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	31.2	25.7	38.5

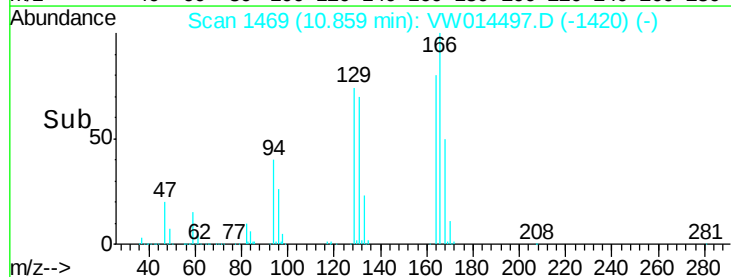
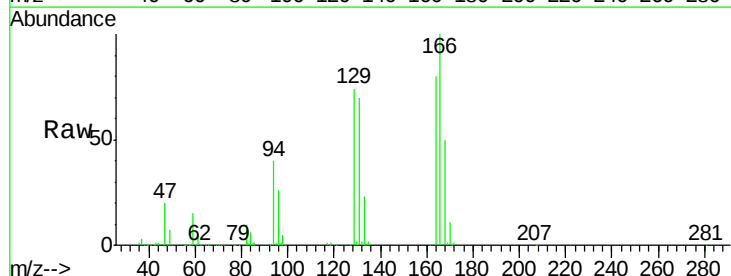
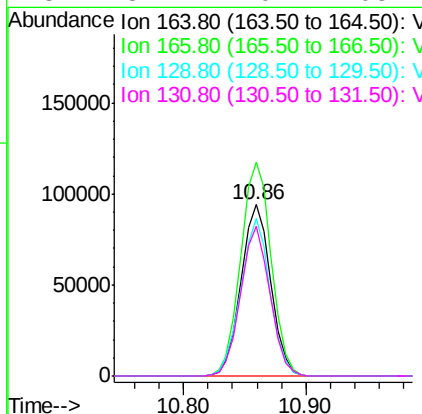
Manual Integrations
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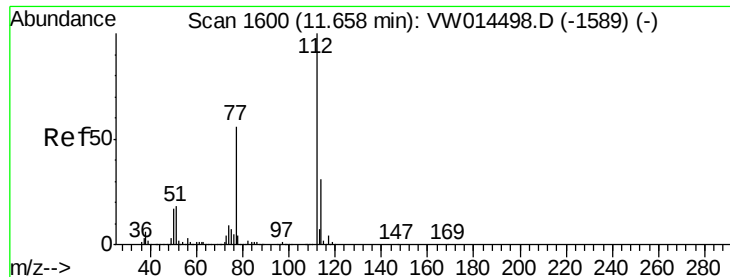
apatel
1/6/2020 10:43:14 AM



#64
Tetrachloroethene
Concen: 19.151 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	99.8	149.6
129	92.4	72.4	108.6
131	87.4	70.1	105.1





#65

Chlorobenzene

Concen: 20.308 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 455643

Ion Ratio Lower Upper

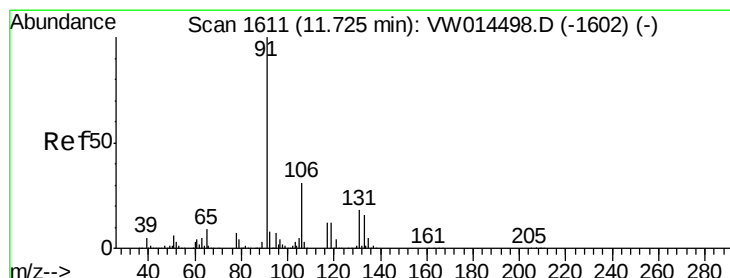
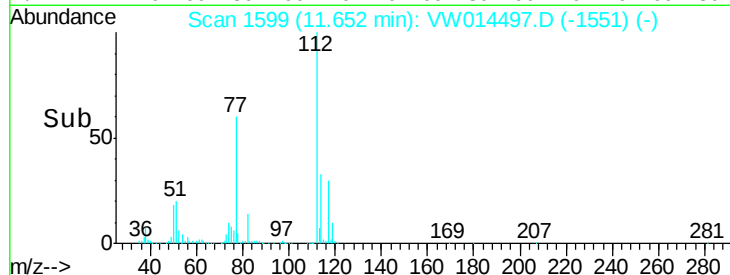
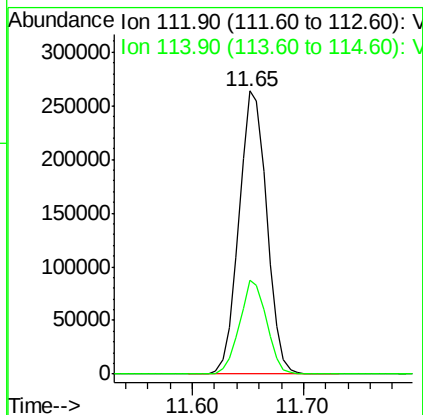
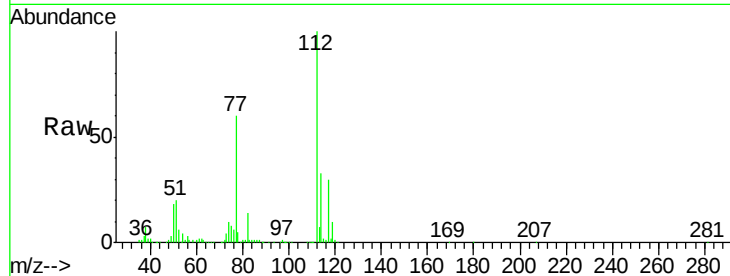
112 100

114 33.0 24.6 37.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.709 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

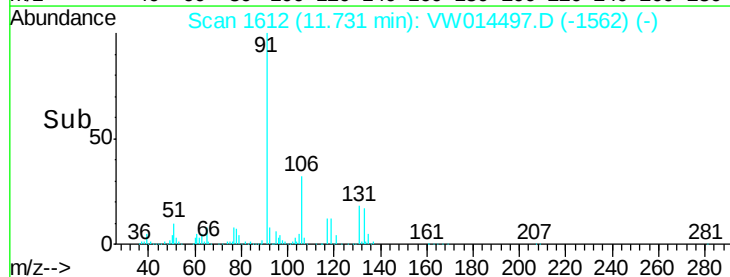
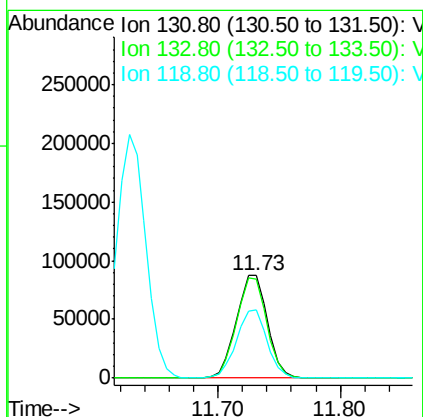
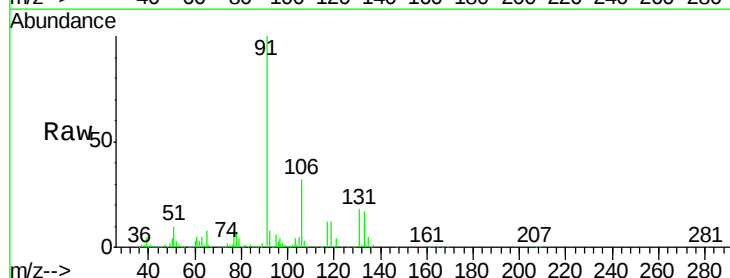
Tgt Ion:131 Resp: 153618

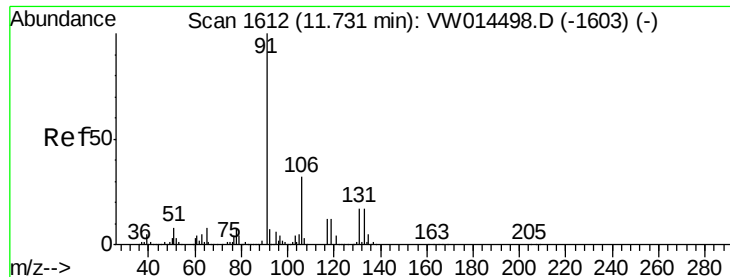
Ion Ratio Lower Upper

131 100

133 94.8 47.3 142.0

119 65.6 33.1 99.3





#67

Ethyl Benzene

Concen: 20.467 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 827751

Ion Ratio Lower Upper

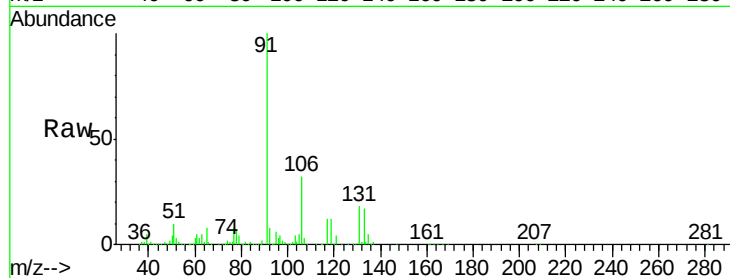
91 100

106 31.8 25.5 38.3

Manual Integrations
APPROVED

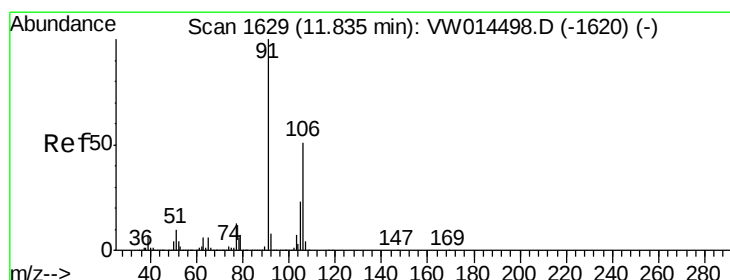
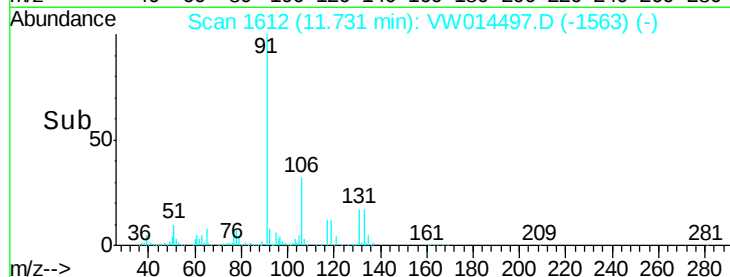
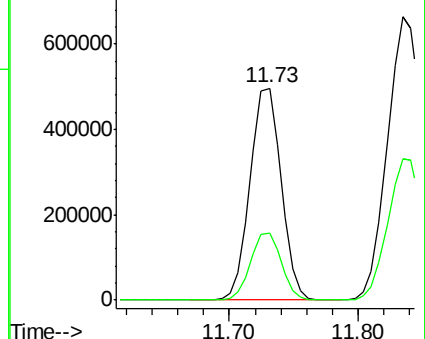
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.617 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014497.D

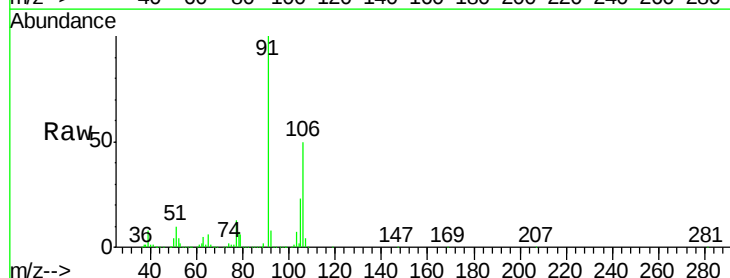
Acq: 03 Jan 2020 14:21

Tgt Ion: 106 Resp: 634009

Ion Ratio Lower Upper

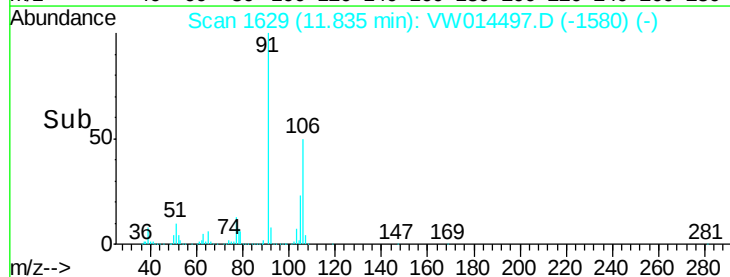
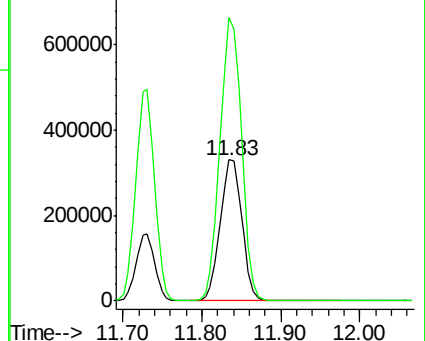
106 100

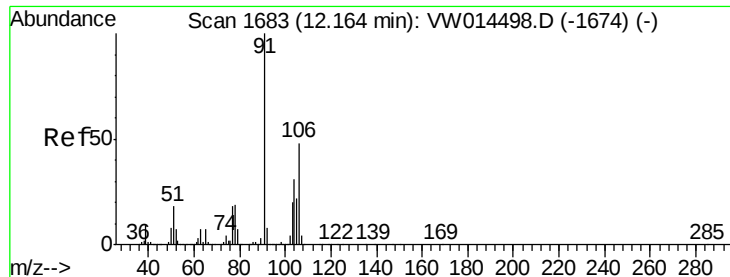
91 199.4 159.0 238.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





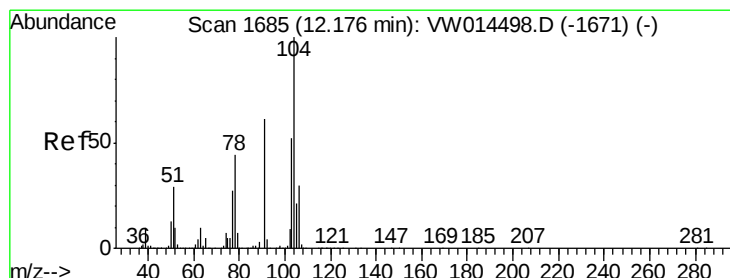
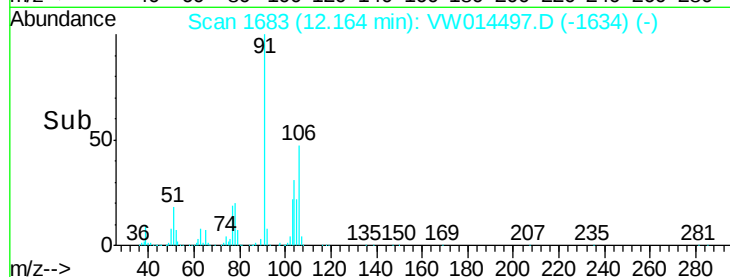
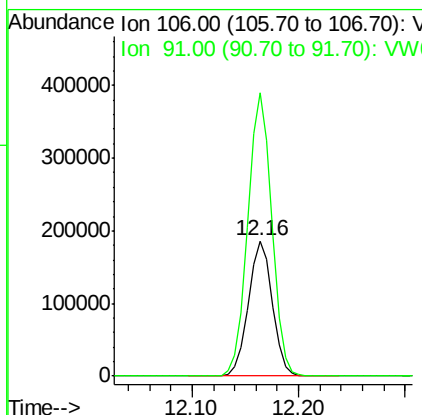
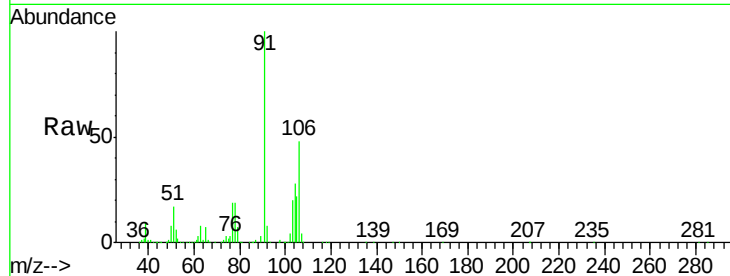
#69
o-Xylene
Concen: 20.439 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		293295		
91	209.9	105.2	315.6		

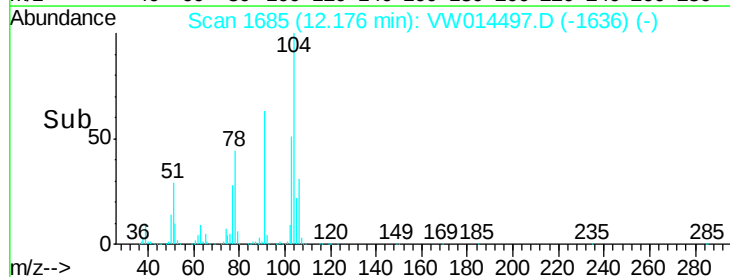
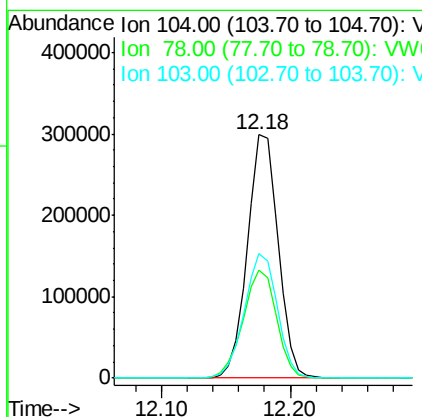
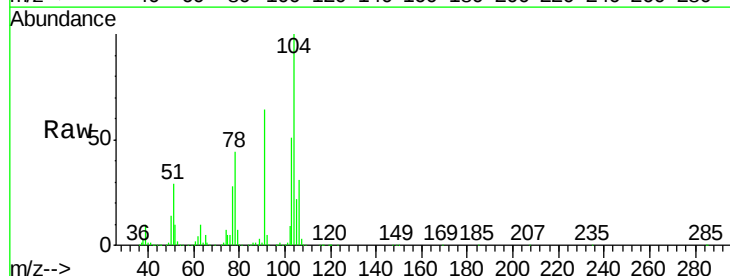
Manual Integrations
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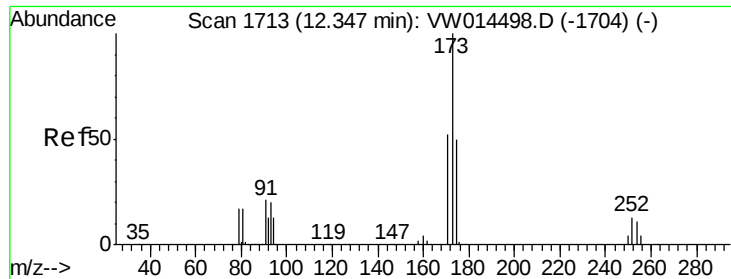
apatel
1/6/2020 10:43:14 AM



#70
Styrene
Concen: 20.014 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		492317		
78	48.3	38.4	57.6		
103	55.1	43.7	65.5		





#71

Bromoform

Concen: 19.925 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 82738

Ion Ratio Lower Upper

173 100

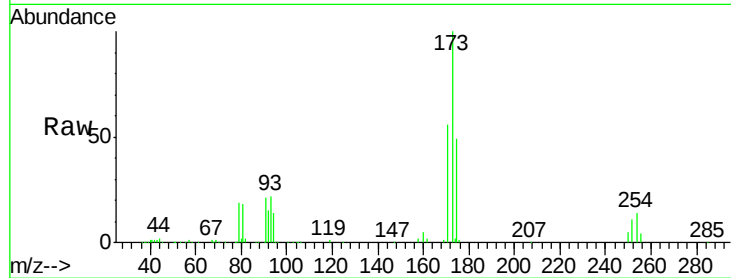
175 48.8 24.5 73.5

254 0.1 0.0 0.0#

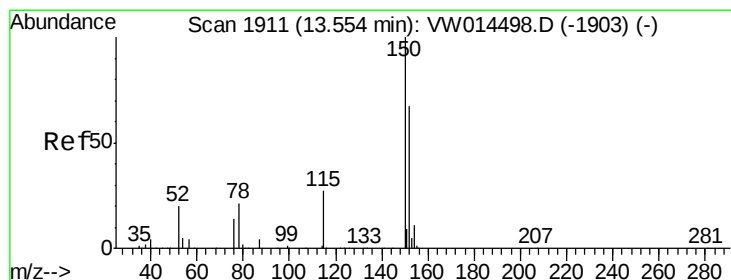
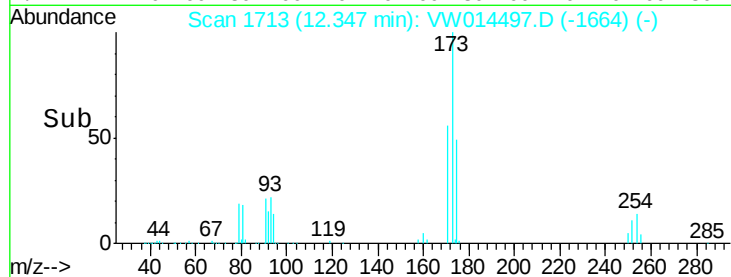
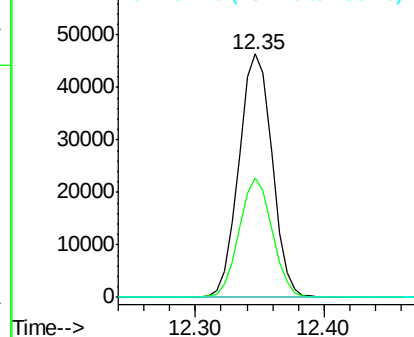
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

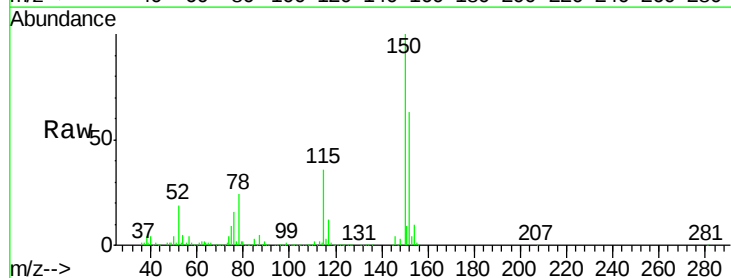
Tgt Ion:152 Resp: 543998

Ion Ratio Lower Upper

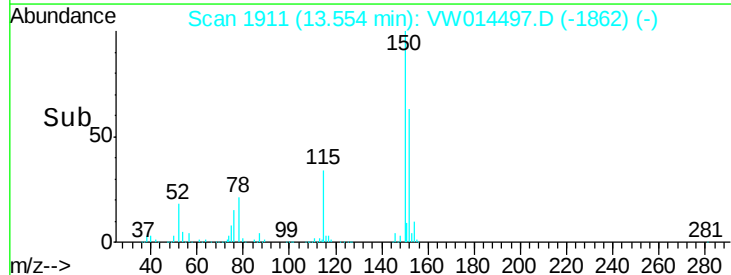
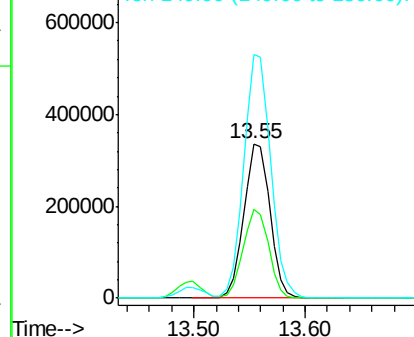
152 100

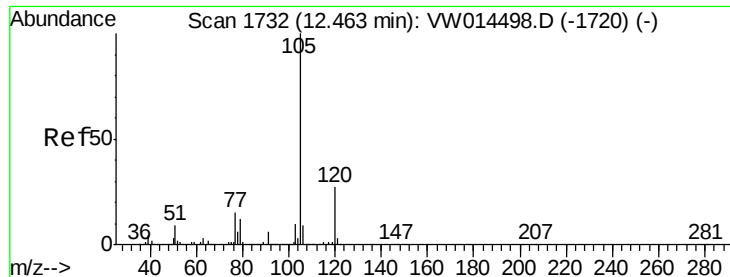
115 56.6 27.7 83.1

150 163.7 0.0 343.4



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





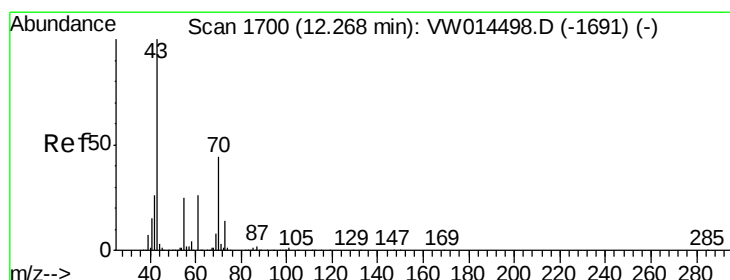
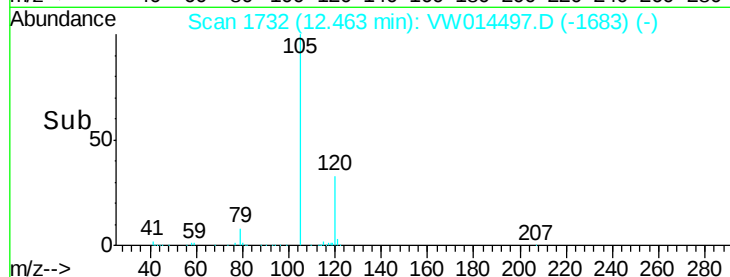
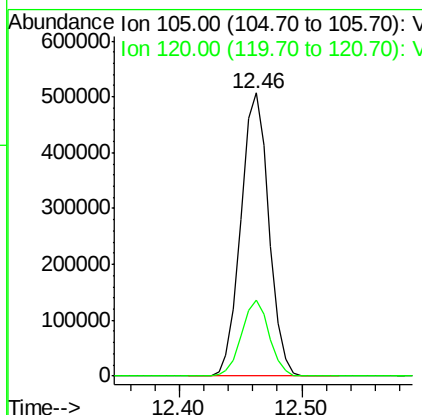
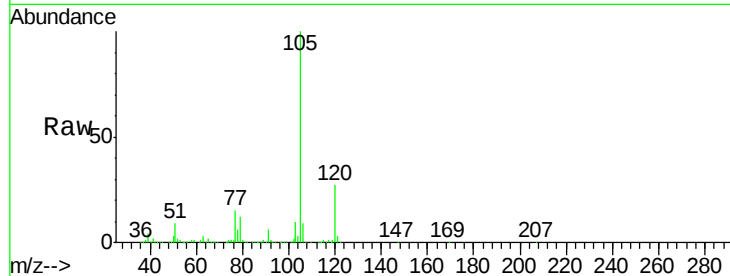
#73
Isopropylbenzene
Concen: 20.545 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	803890		
120	26.6	13.4	40.1	

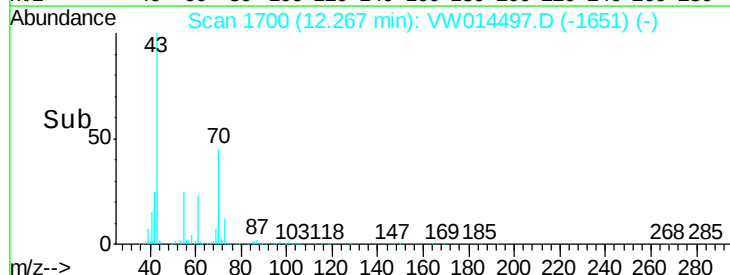
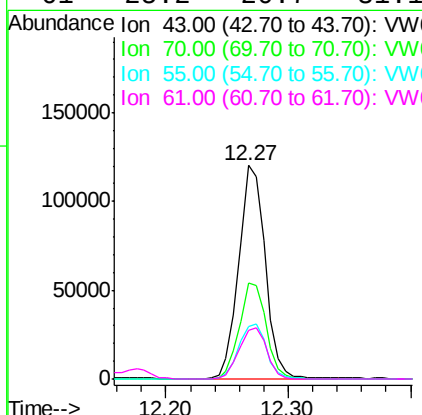
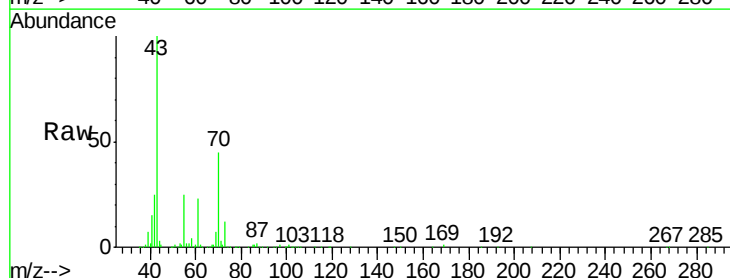
Manual Integrations
APPROVED

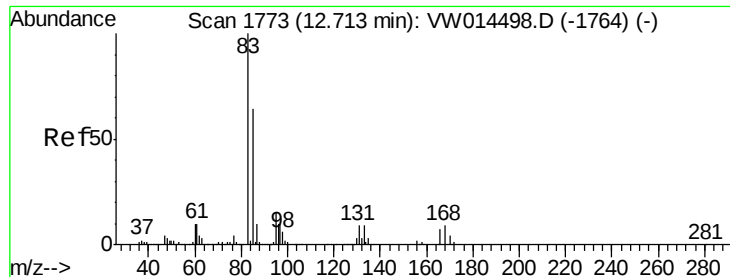
apatel
1/6/2020 10:43:14 AM



#74
N-ethyl acetate
Concen: 22.882 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	181045		
70	45.6	36.5	54.7	
55	27.4	20.9	31.3	
61	25.2	20.7	31.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 22.900 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

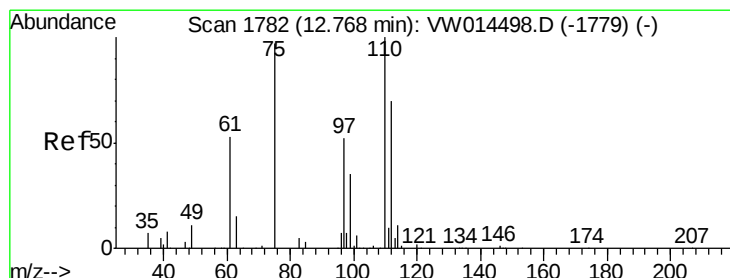
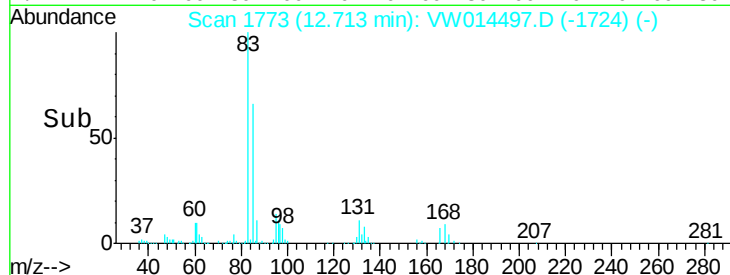
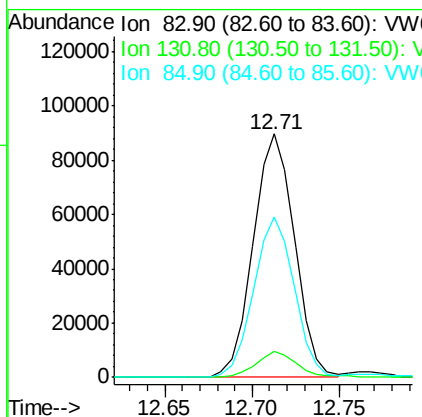
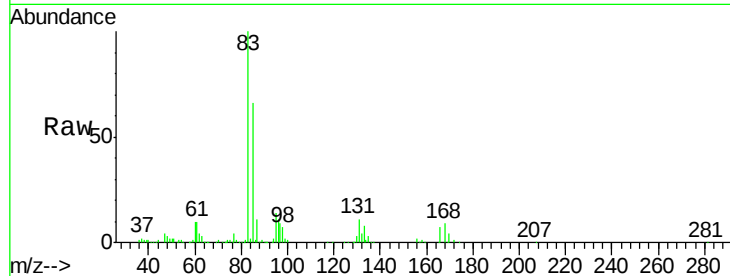
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	147100
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	64.8	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 26.362 ug/l m

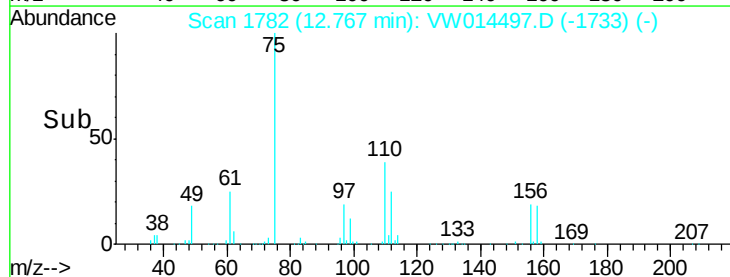
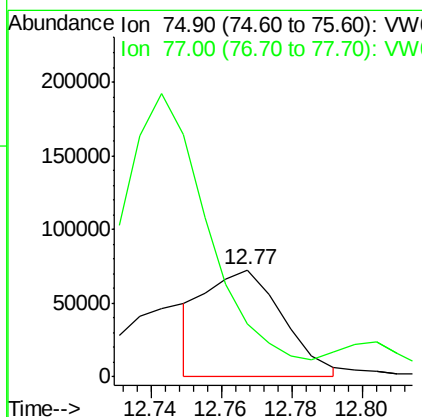
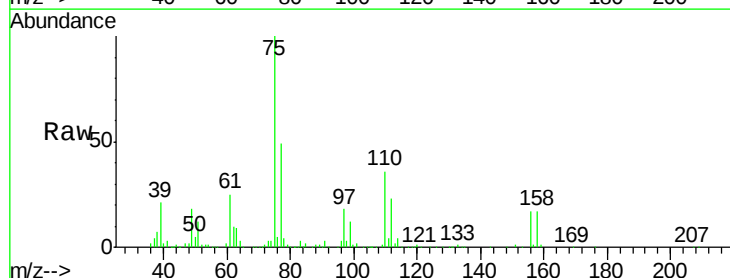
RT: 12.77 min Scan# 1782

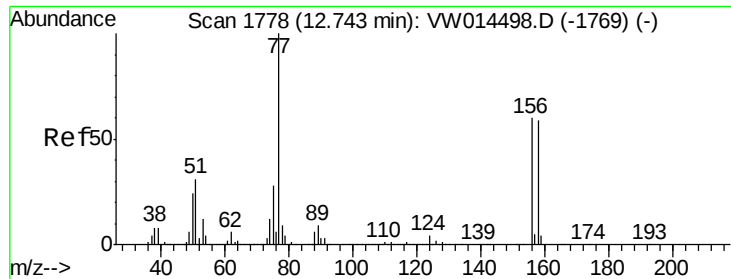
Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:	75	Resp:	111744
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





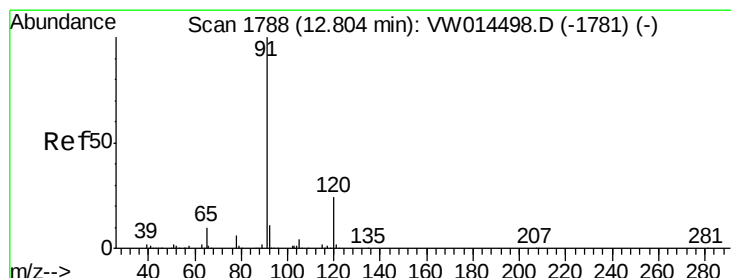
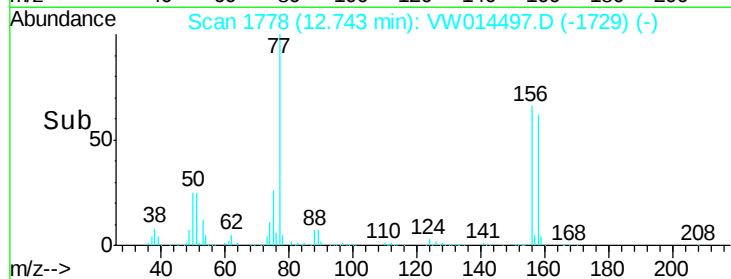
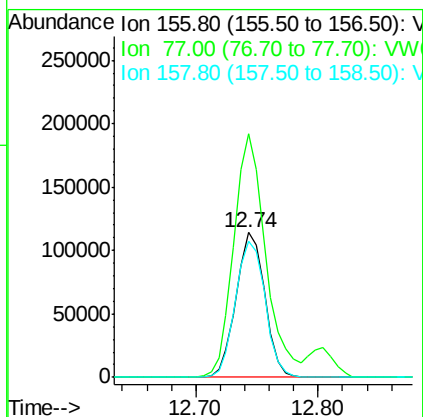
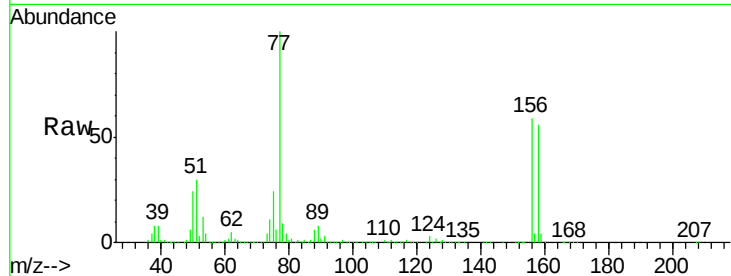
#77
Bromobenzene
Concen: 19.973 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	186.2	92.3	277.1
158	96.8	48.6	145.9

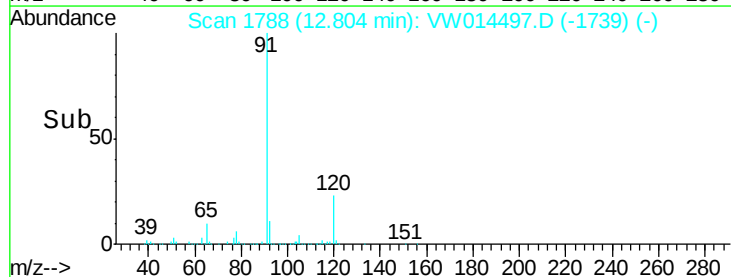
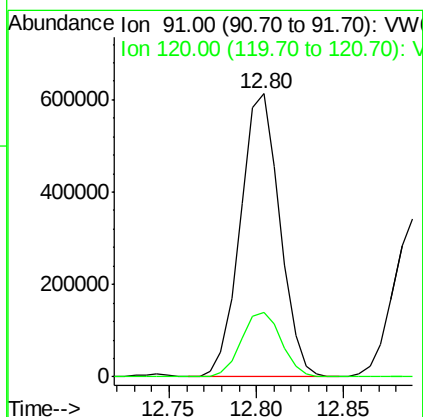
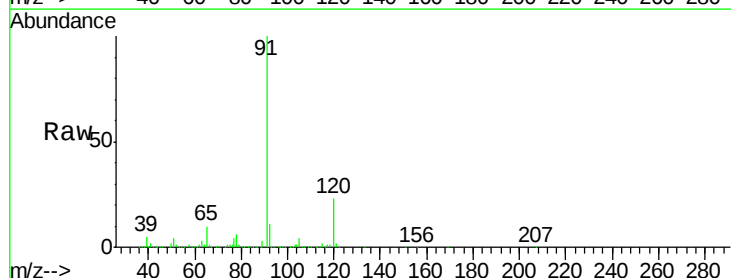
Manual Integrations
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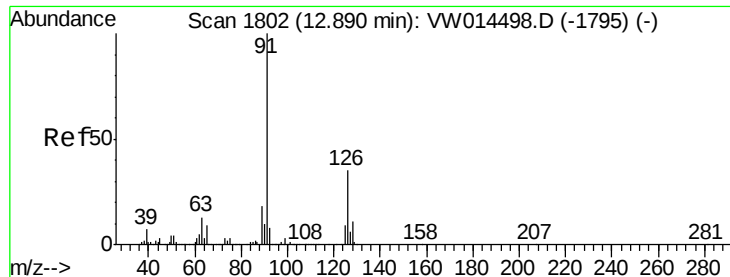
apatel
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#78
n-propylbenzene
Concen: 21.133 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1





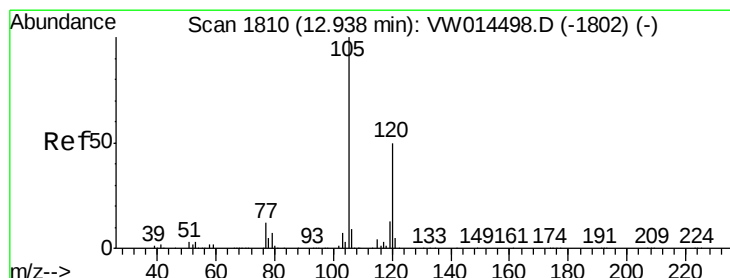
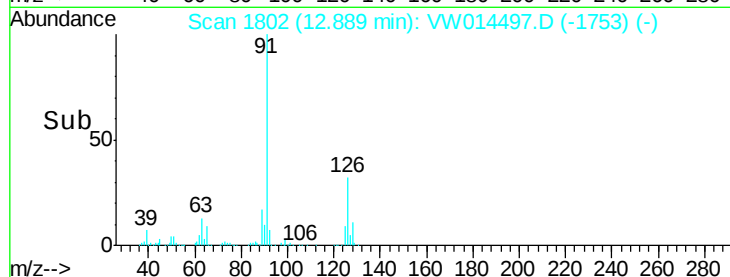
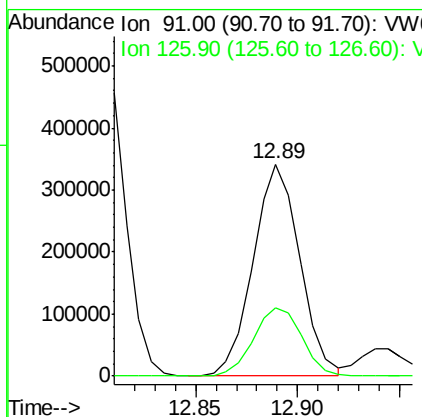
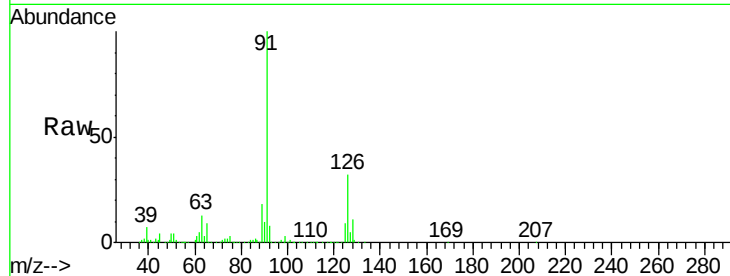
#79
2-Chlorotoluene
Concen: 21.241 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 542327
Ion Ratio Lower Upper
91 100
126 33.5 17.1 51.2

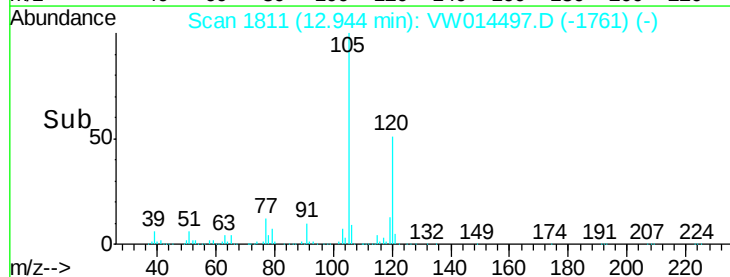
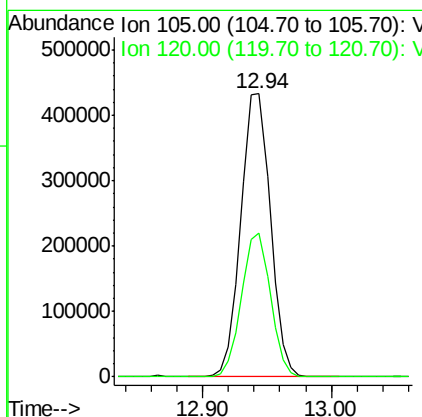
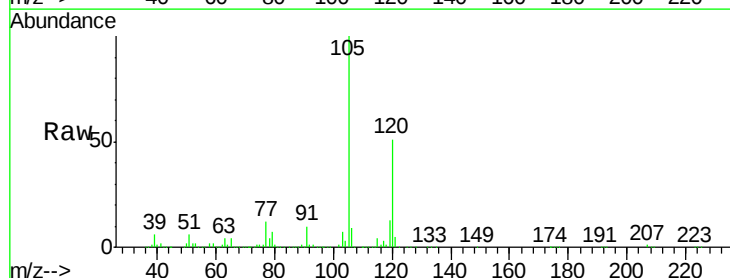
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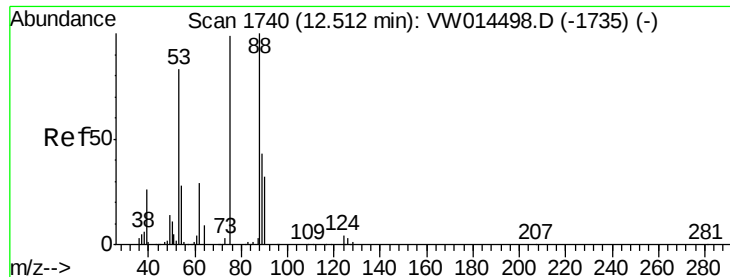
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 20.908 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion: 105 Resp: 688266
Ion Ratio Lower Upper
105 100
120 49.8 25.2 75.6





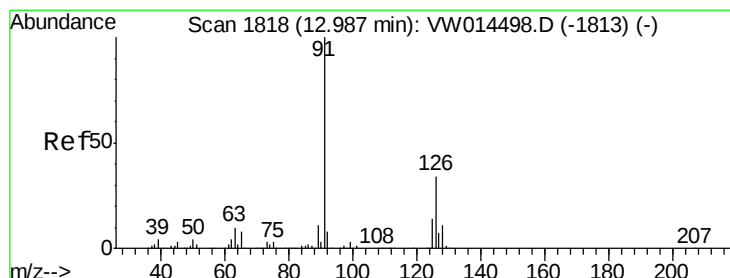
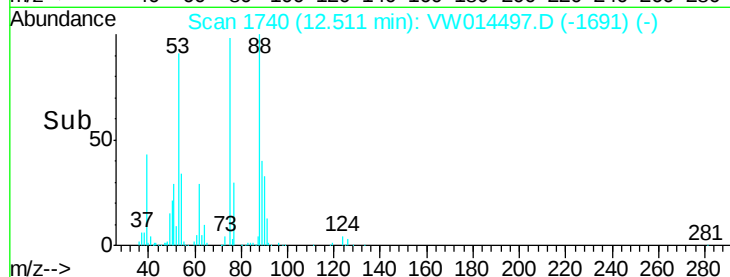
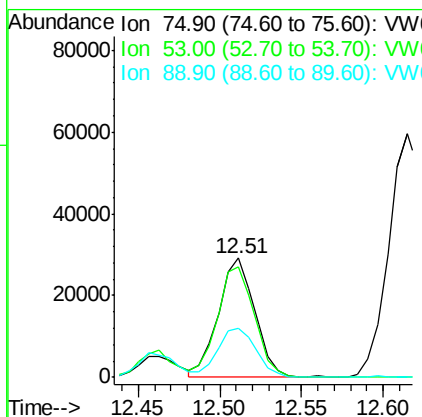
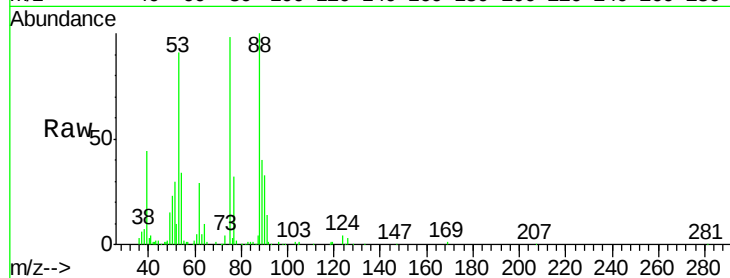
#81
trans-1,4-Dichloro-2-butene
Concen: 20.873 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.7	70.9	106.3
89	44.5	35.8	53.8

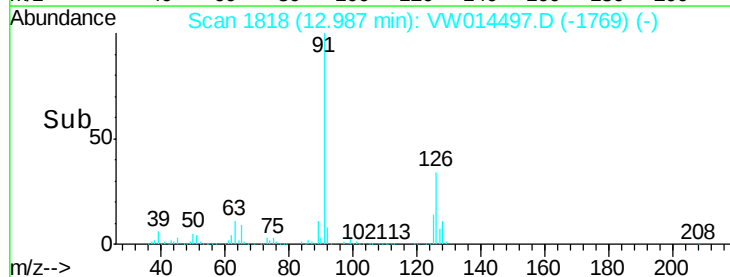
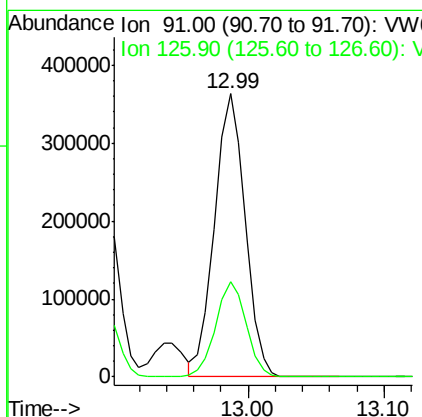
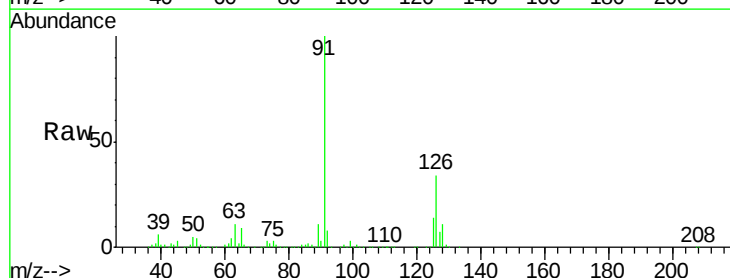
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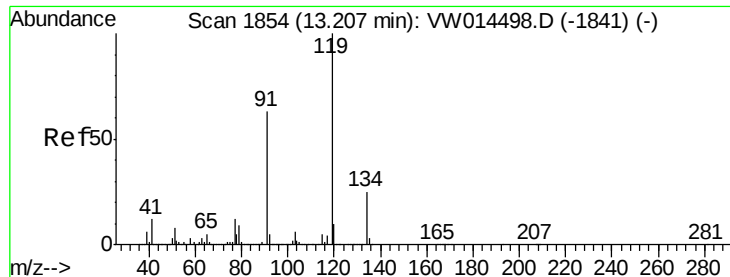
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#82
4-Chlorotoluene
Concen: 21.232 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.1	51.2





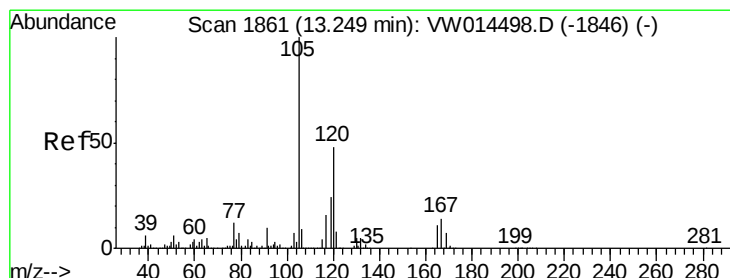
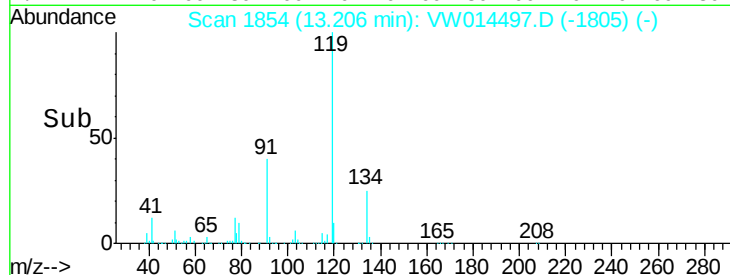
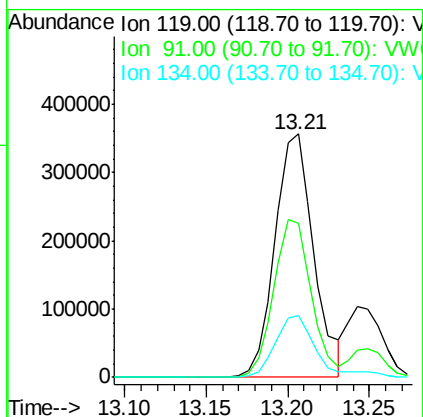
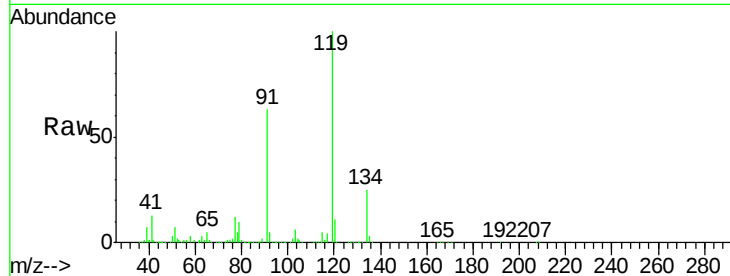
#83
tert-Butylbenzene
Concen: 20.146 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	588338		
91	62.9	31.1	93.3	
134	27.0	13.5	40.5	

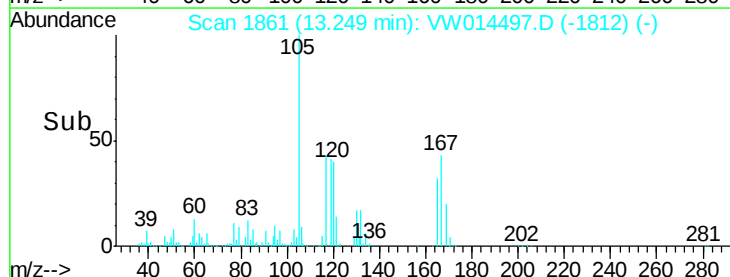
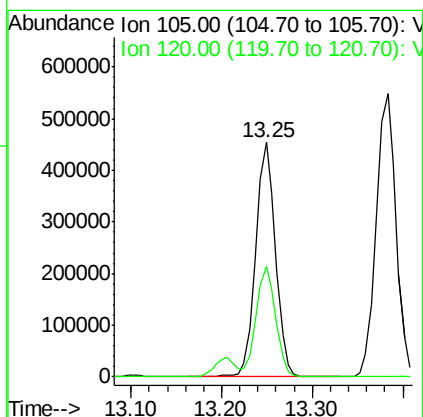
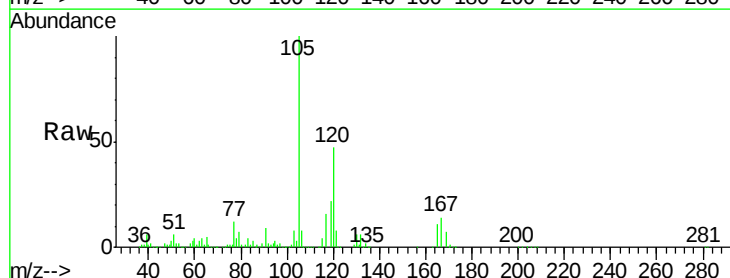
Manual Integrations
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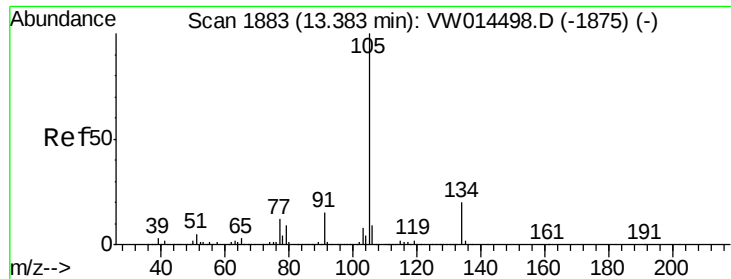
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#84
1,2,4-Trimethylbenzene
Concen: 20.986 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	682694		
120	46.8	23.4	70.0	





#85

sec-Butylbenzene

Concen: 20.688 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 827741

Ion Ratio Lower Upper

105 100

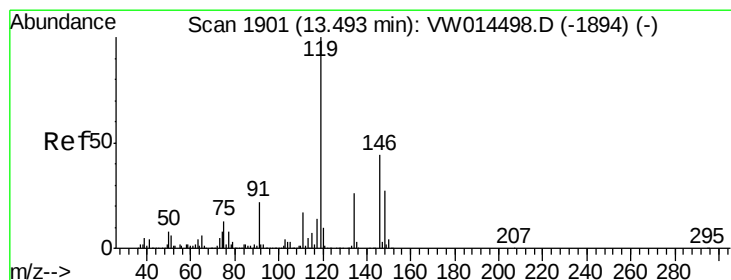
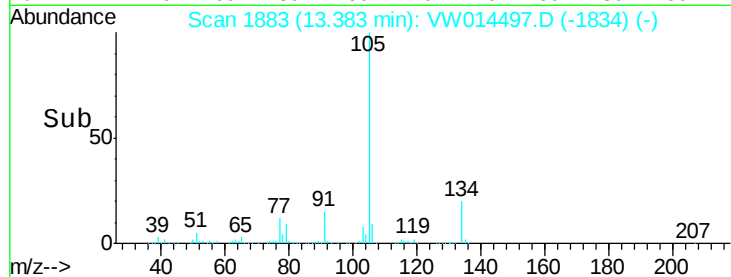
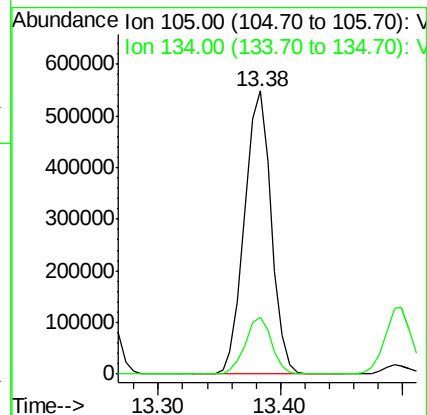
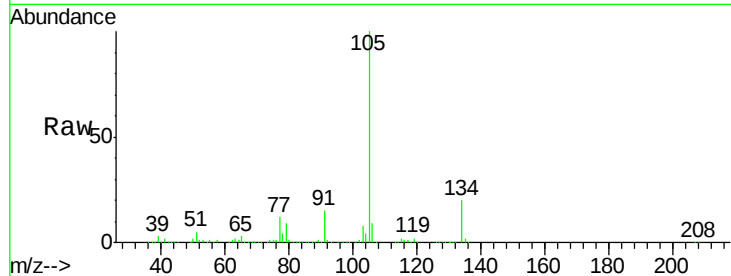
134 20.0 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.385 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

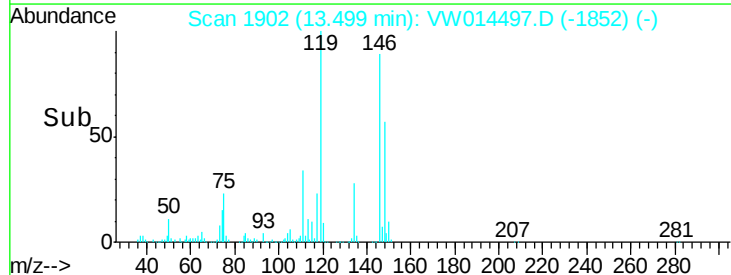
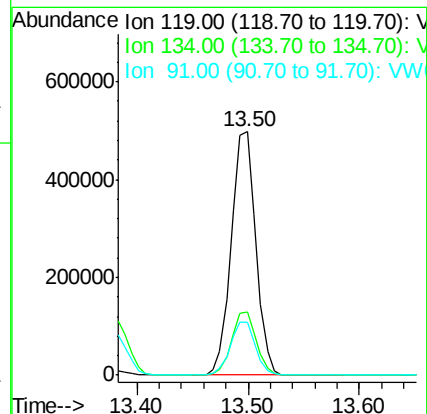
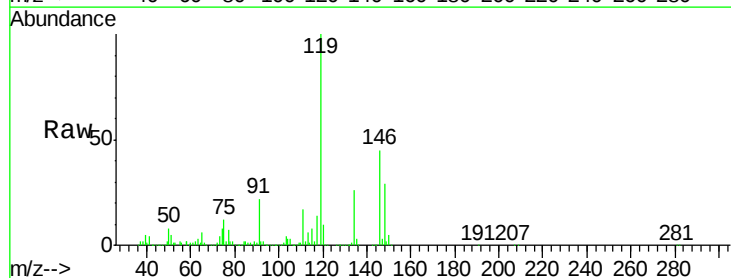
Tgt Ion:119 Resp: 757306

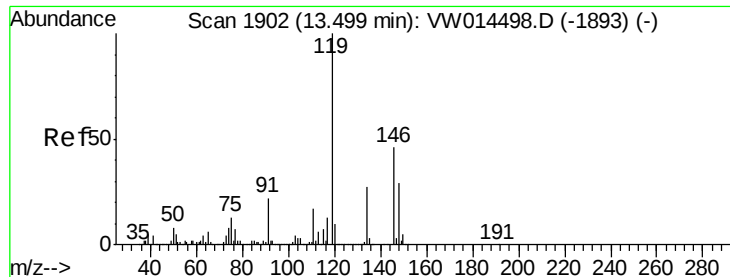
Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.352 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

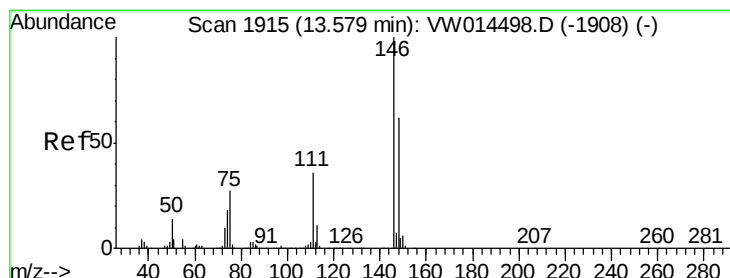
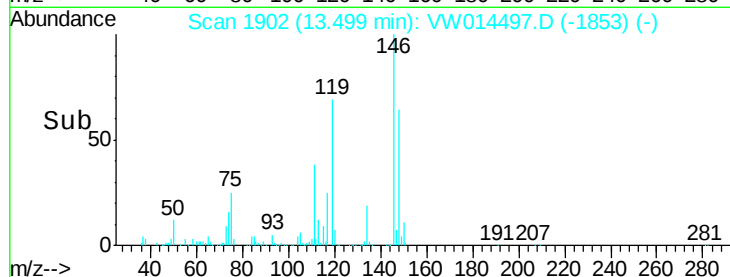
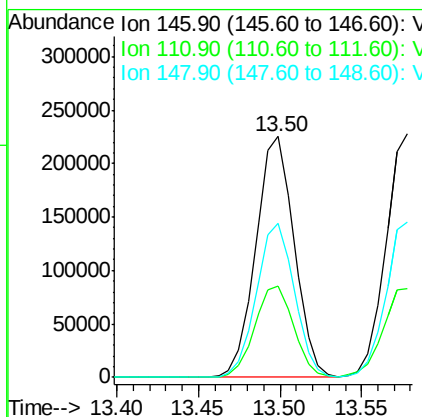
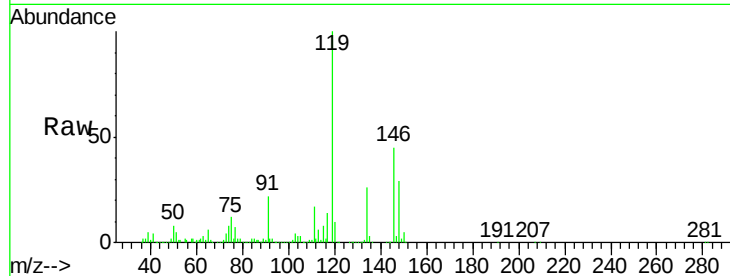
Instrument :
MSVOA_W

ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.4	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 20.020 ug/l

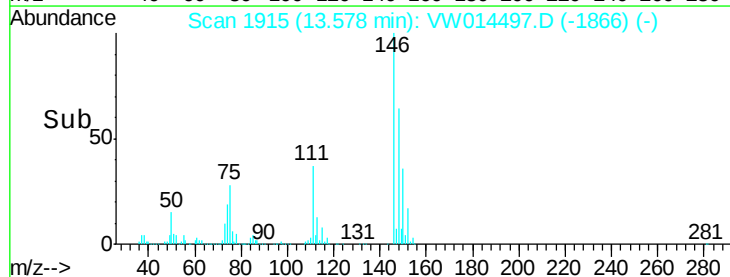
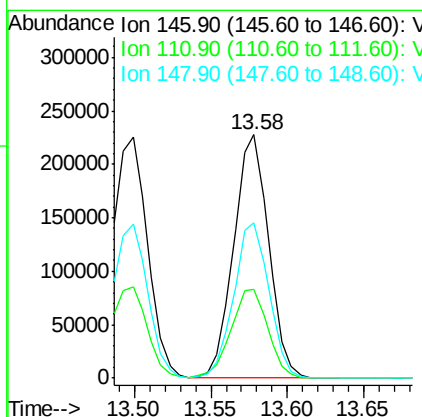
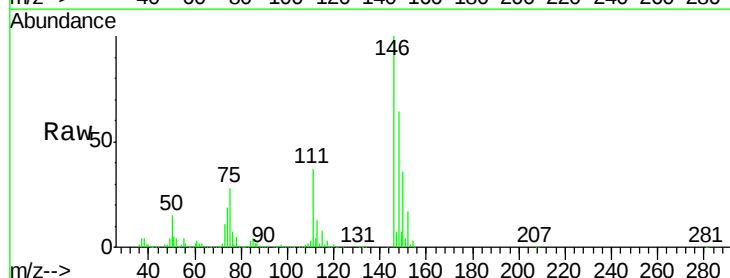
RT: 13.58 min Scan# 1915

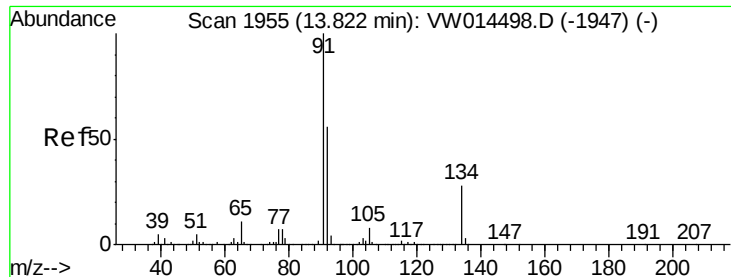
Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.7	56.1
148	64.5	31.7	95.1





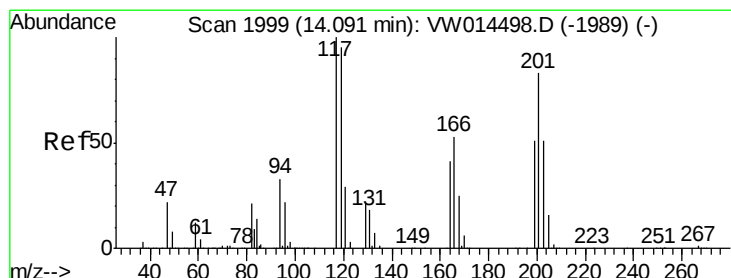
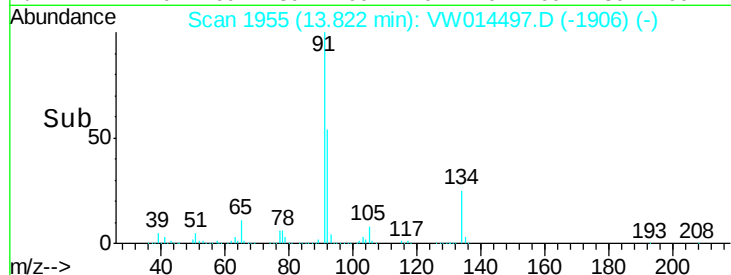
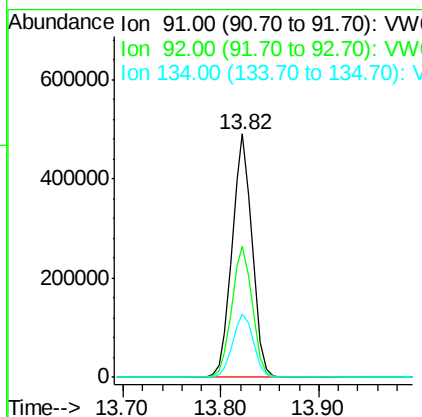
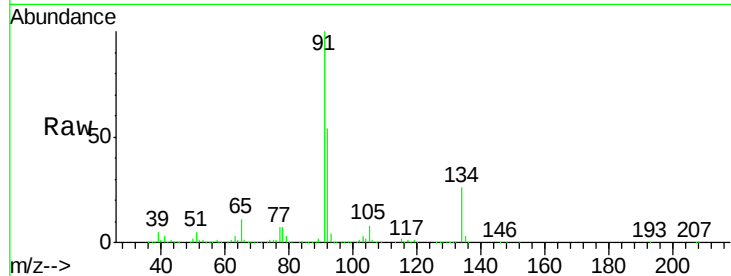
#89
n-Butylbenzene
Concen: 20.603 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	694311		
92	55.2		27.5	82.5
134	27.1		13.7	41.1

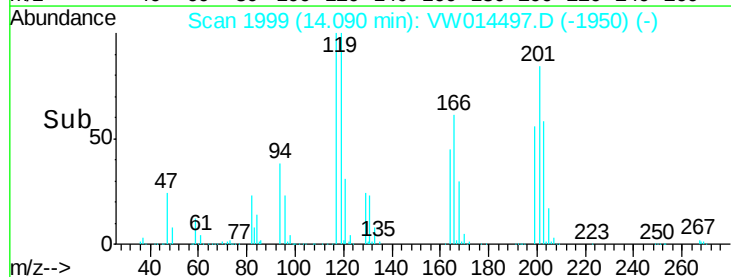
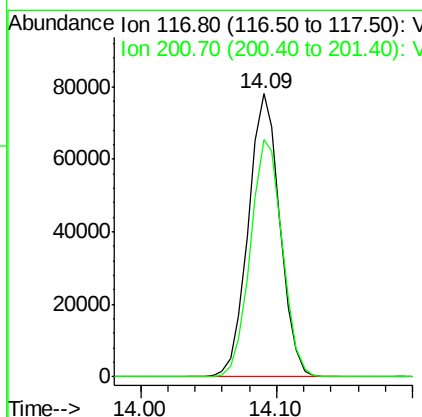
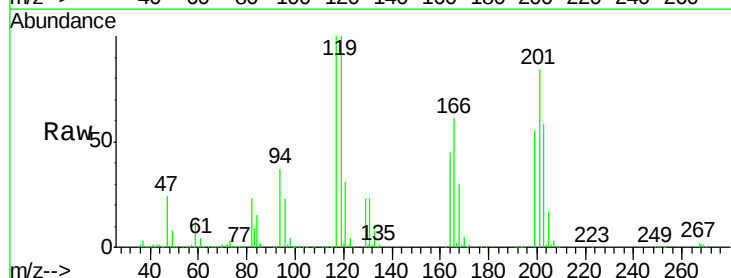
Manual Integrations
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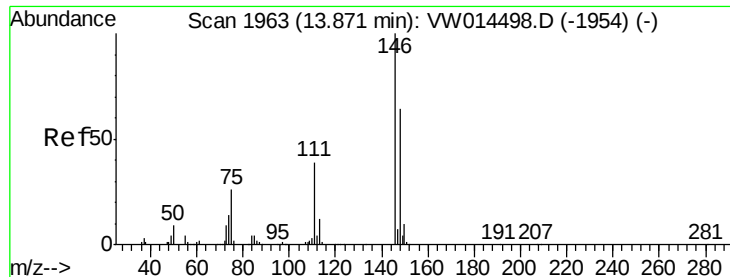
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#90
Hexachloroethane
Concen: 19.706 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	127124		
201	84.9		43.0	128.8





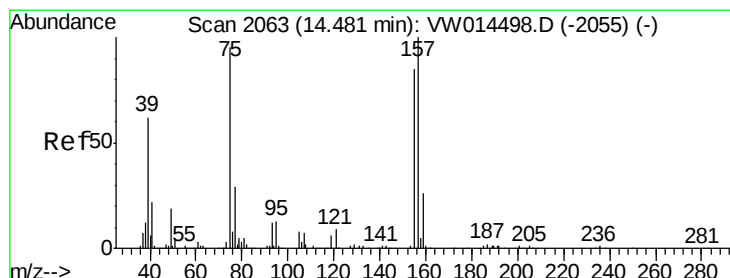
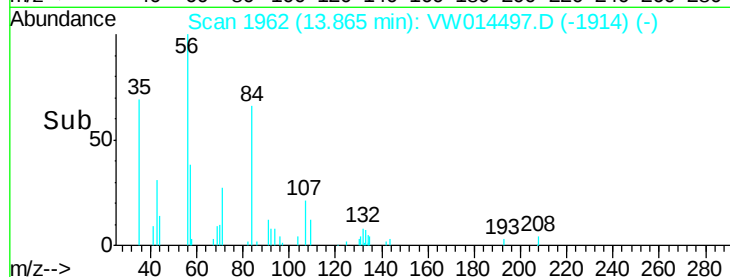
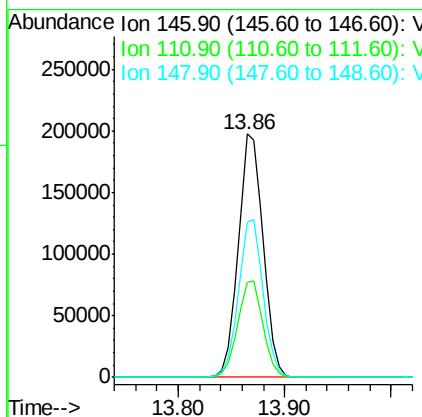
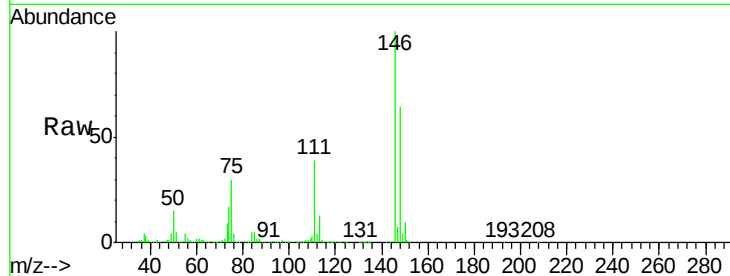
#91
 1,2-Dichlorobenzene
 Concen: 20.676 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.0	32.3	96.8

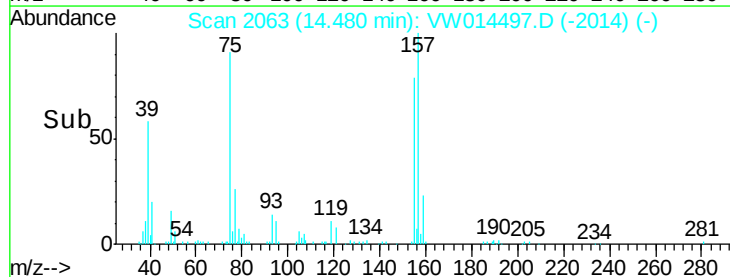
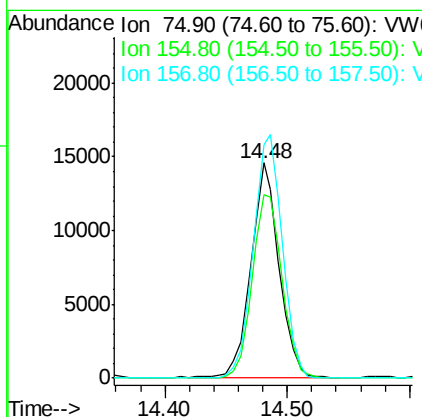
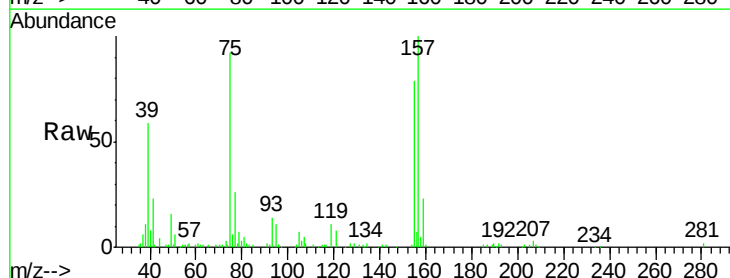
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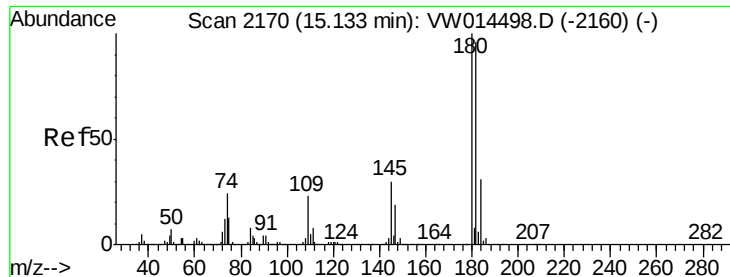
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.781 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014497.D
 Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	45.8	137.4
157	116.0	58.1	174.2





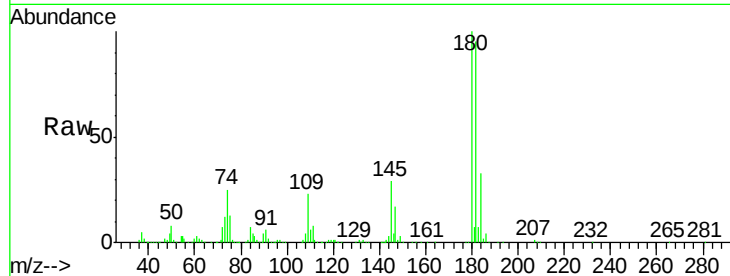
#93
1,2,4-Trichlorobenzene
Concen: 19.477 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

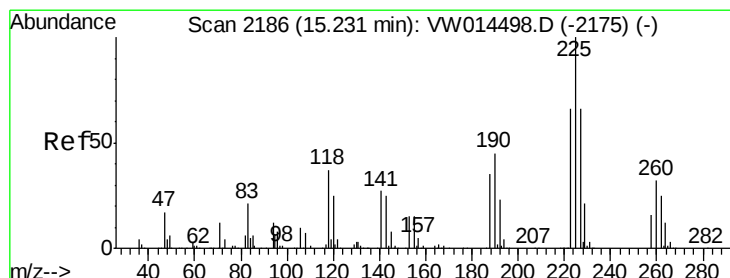
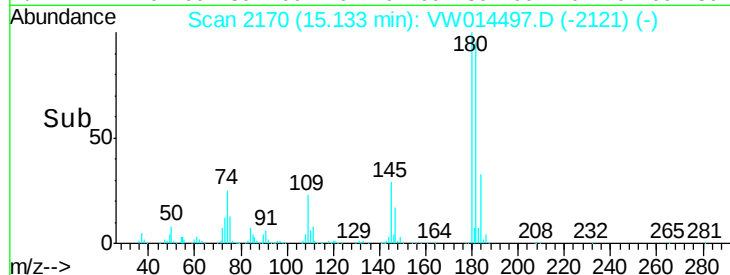
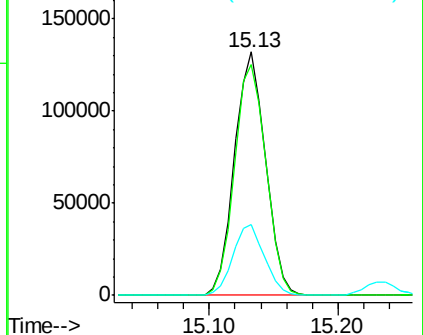
Tot Ion	Ratio	Resp	Lower	Upper
180	100	220964		
182	96.3	47.3	141.8	
145	29.4	14.7	44.1	

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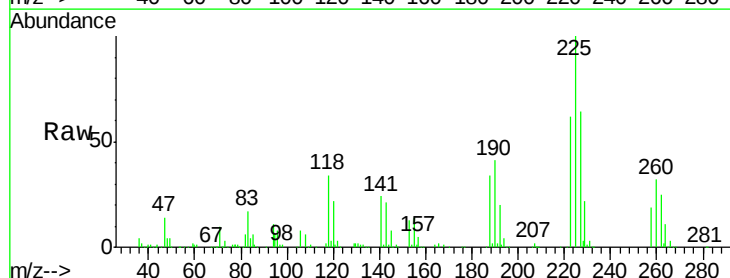


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

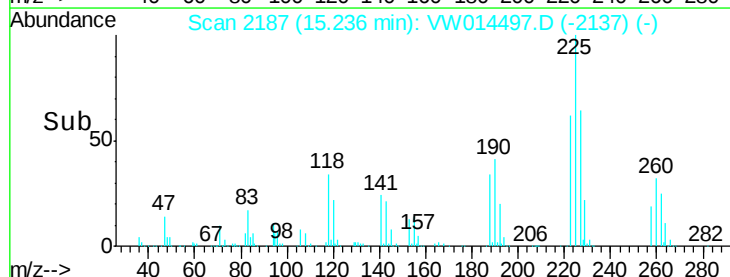
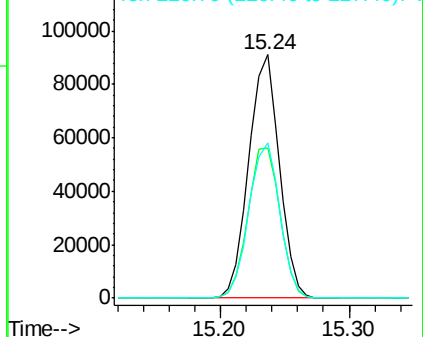


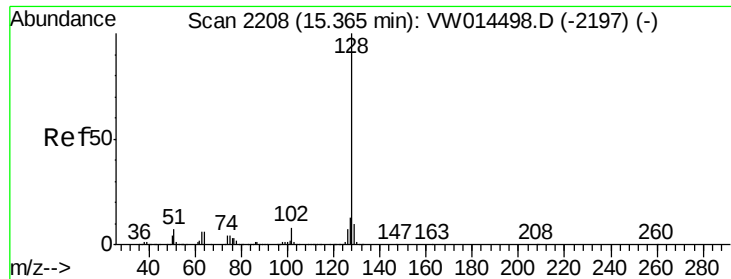
#94
Hexachlorobutadiene
Concen: 19.606 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW014497.D
Acq: 03 Jan 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149242		
223	64.5	32.4	97.2	
227	64.2	32.6	97.8	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.529 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Instrument :

MSVOA_W

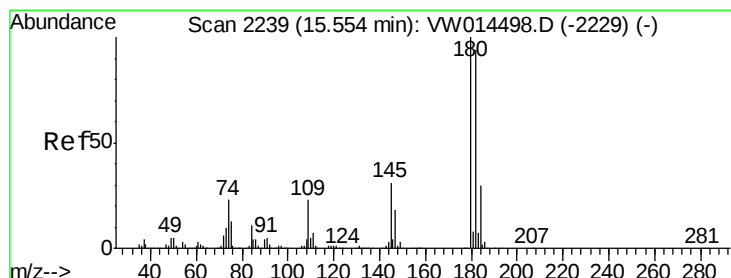
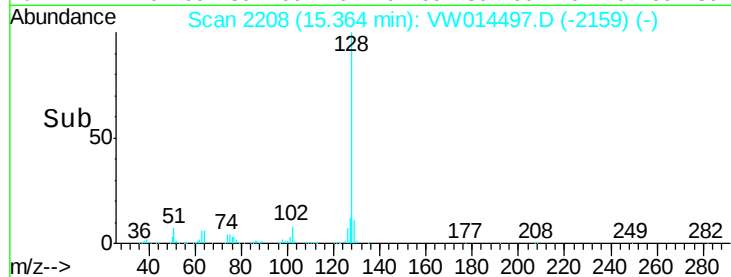
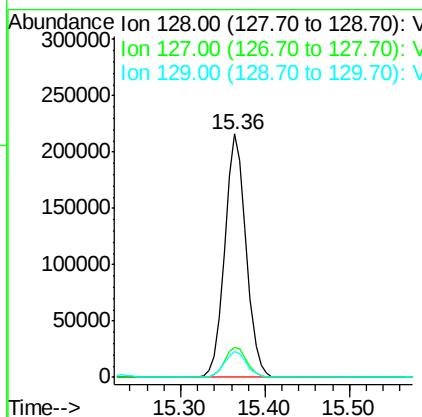
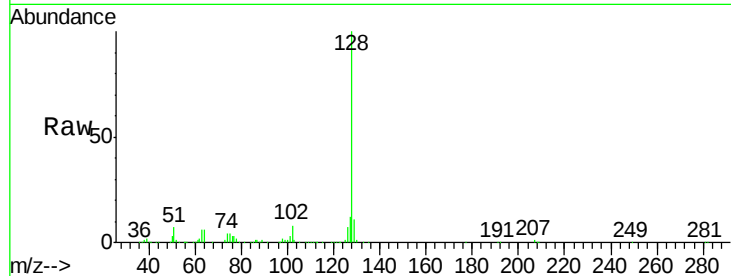
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	374860
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.9	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 19.644 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014497.D

Acq: 03 Jan 2020 14:21

Tgt Ion:	180	Resp:	192709
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.4	142.2
145	31.0	15.5	46.5

