

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012266.D
 Acq On : 28 Aug 2019 20:50
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:41:46 AM

Quant Time: Aug 29 07:04:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	151883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135231	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.88	113	106878	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.32	98	426986	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.62	95	153015	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	66841	48.711	ug/l	94
3) Chloromethane	2.21	50	108575	51.072	ug/l	99
4) Vinyl Chloride	2.36	62	129798	49.884	ug/l	99
5) Bromomethane	2.77	94	68257	51.797	ug/l	97
6) Chloroethane	2.92	64	77142	52.554	ug/l	94
7) Trichlorofluoromethane	3.26	101	70856	54.231	ug/l	99
8) Diethyl Ether	3.68	74	70575	56.908	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116864	52.621	ug/l	99
10) Methyl Iodide	4.27	142	162091	53.942	ug/l	99
11) Tert butyl alcohol	5.18	59	51795	324.885	ug/l	100
12) 1,1-Dichloroethene	4.04	96	115568	51.701	ug/l	99
13) Acrolein	3.89	56	37335	248.783	ug/l	98
14) Allyl chloride	4.67	41	259463	54.295	ug/l	99
15) Acrylonitrile	5.36	53	193341	314.528	ug/l	99
16) Acetone	4.12	43	175966	259.850	ug/l	99
17) Carbon Disulfide	4.38	76	344481	50.992	ug/l	100
18) Methyl Acetate	4.67	43	107380	64.021	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	217017	60.035	ug/l	99
20) Methylene Chloride	4.92	84	136696	53.396	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	127416	53.156	ug/l	95
22) Diisopropyl ether	6.31	45	500391	56.491	ug/l	98
23) Vinyl Acetate	6.25	43	1626984	298.459	ug/l	100
24) 1,1-Dichloroethane	6.21	63	258538	53.606	ug/l	100
25) 2-Butanone	7.17	43	272575	296.209	ug/l	99
26) 2,2-Dichloropropane	7.17	77	140887	51.610	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	140763	54.964	ug/l	99
28) Bromochloromethane	7.51	49	106686	50.752	ug/l #	24
29) Tetrahydrofuran	7.52	42	179498	325.125	ug/l	99
30) Chloroform	7.67	83	236419	53.579	ug/l	100
31) Cyclohexane	7.95	56	234394	49.122	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	186475	53.421	ug/l	99
36) 1,1-Dichloropropene	8.08	75	194366	52.297	ug/l	99
37) Ethyl Acetate	7.25	43	122685	60.239	ug/l	98
38) Carbon Tetrachloride	8.07	117	167721	52.139	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	220206	52.741	ug/l	99
40) Benzene	8.32	78	534269	52.646	ug/l	100
41) Methacrylonitrile	7.48	41	76773	64.138	ug/l	95
42) 1,2-Dichloroethane	8.40	62	174511	54.868	ug/l	98
43) Isopropyl Acetate	8.42	43	231498	61.365	ug/l	98
44) Trichloroethene	9.09	130	130912	53.065	ug/l	99
45) 1,2-Dichloropropane	9.37	63	147904	54.153	ug/l	98
46) Dibromomethane	9.46	93	69227	56.967	ug/l	99
47) Bromodichloromethane	9.64	83	177739	54.957	ug/l	98
48) Methyl methacrylate	9.43	41	110488	61.536	ug/l	99
49) 1,4-Dioxane	9.45	88	23999	1290.035	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	602723	314.116	ug/l	100
52) Toluene	10.38	92	328537	53.889	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	187366	56.874	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	220664	55.474	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	99592	57.924	ug/l	99
56) Ethyl methacrylate	10.65	69	155627	62.192	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185468	57.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	376111	292.860	ug/l	99
59) 2-Hexanone	10.97	43	411569	303.144	ug/l	99
60) Dibromochloromethane	11.13	129	110038	57.459	ug/l	99
61) 1,2-Dibromoethane	11.23	107	93261	58.223	ug/l	99
64) Tetrachloroethene	10.86	164	110169	54.047	ug/l	99
65) Chlorobenzene	11.66	112	330689	53.415	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	118977	55.088	ug/l	100
67) Ethyl Benzene	11.73	91	635961	53.326	ug/l	98
68) m/p-Xylenes	11.84	106	455776	106.097	ug/l	100
69) o-Xylene	12.16	106	217449	54.691	ug/l	99
70) Styrene	12.18	104	378919	55.060	ug/l	100
71) Bromoform	12.35	173	63870	59.355	ug/l	99
73) Isopropylbenzene	12.46	105	605340	53.190	ug/l	99
74) N-amyl acetate	12.27	43	206695	60.113	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121939	58.444	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81907m	55.371	ug/l	
77) Bromobenzene	12.74	156	132523	53.825	ug/l	99
78) n-propylbenzene	12.80	91	730467	52.576	ug/l	99
79) 2-Chlorotoluene	12.89	91	415819	52.715	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	505028	53.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40276	59.698	ug/l	98
82) 4-Chlorotoluene	12.99	91	434308	52.584	ug/l	100
83) tert-Butylbenzene	13.21	119	436813	54.225	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	501369	52.484	ug/l	100
85) sec-Butylbenzene	13.38	105	608572	52.731	ug/l	99
86) p-Isopropyltoluene	13.50	119	550795	53.440	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	252431	52.417	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	252049	52.711	ug/l	100
89) n-Butylbenzene	13.82	91	533196	52.022	ug/l	99
90) Hexachloroethane	14.09	117	96231	53.216	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	226744	53.671	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21446	60.971	ug/l	97

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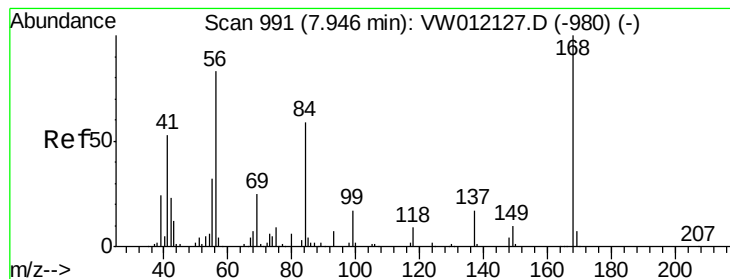
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159199	54.529	ug/l	100
94) Hexachlorobutadiene	15.24	225	102444	53.141	ug/l	97
95) Naphthalene	15.36	128	323647	55.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	141553	55.571	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 222852

Ion Ratio Lower Upper

168 100

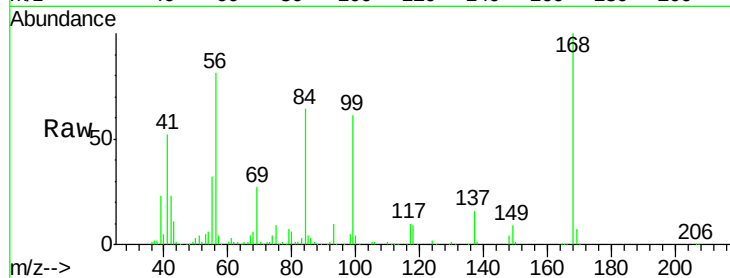
99 60.8 49.2 73.8

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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

100000

80000

60000

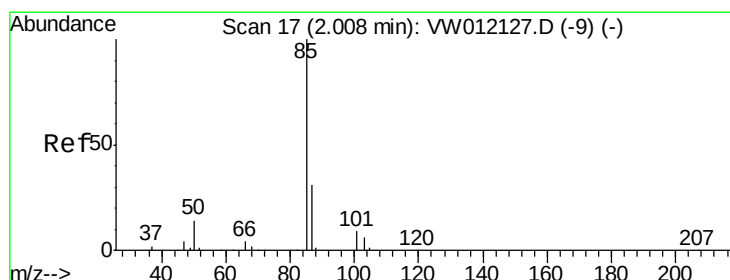
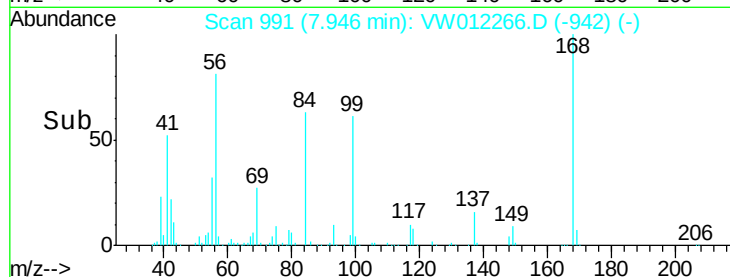
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.711 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012266.D

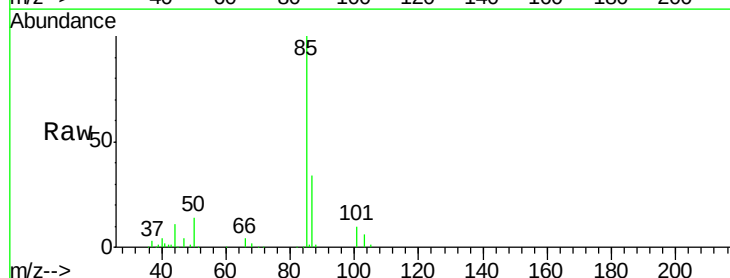
Acq: 28 Aug 2019 20:50

Tgt Ion: 85 Resp: 66841

Ion Ratio Lower Upper

85 100

87 34.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

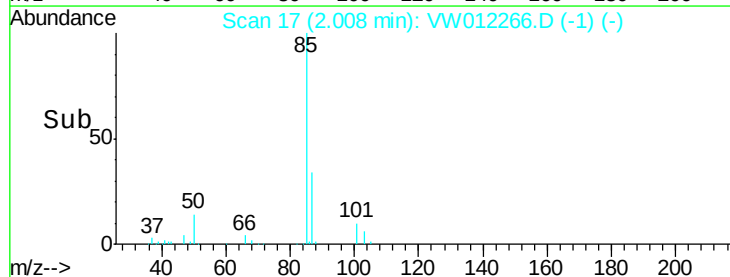
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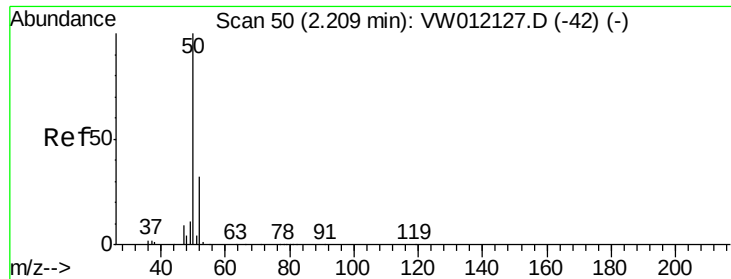
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 51.072 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108575

Ion Ratio Lower Upper

50 100

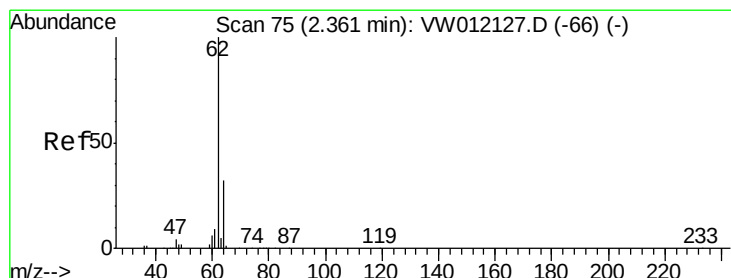
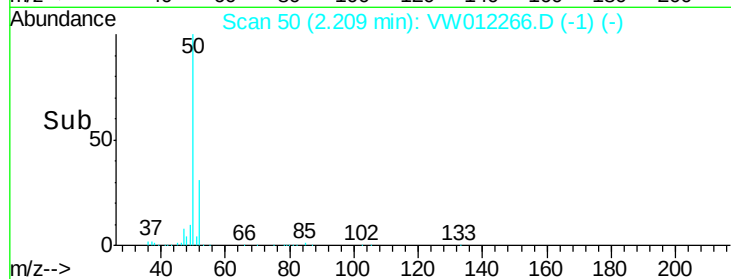
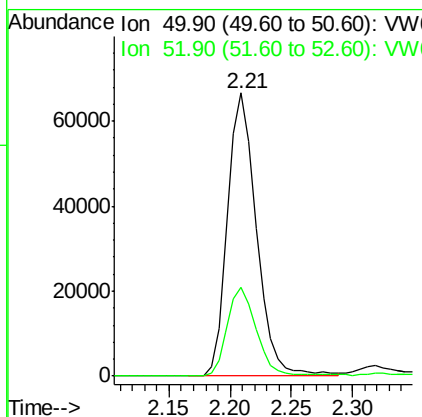
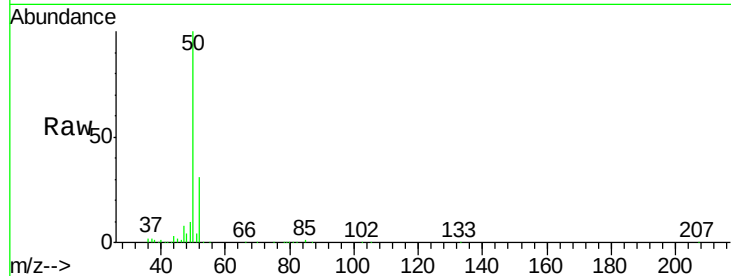
52 31.4 25.5 38.3

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#4

Vinyl Chloride

Concen: 49.884 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012266.D

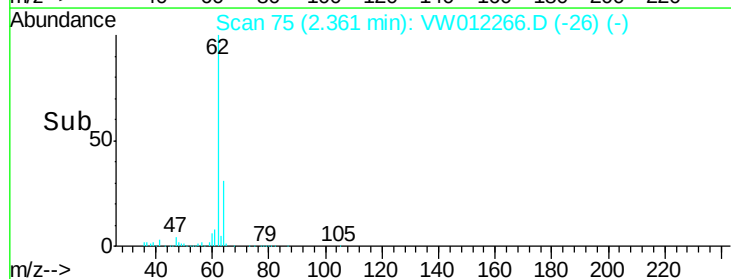
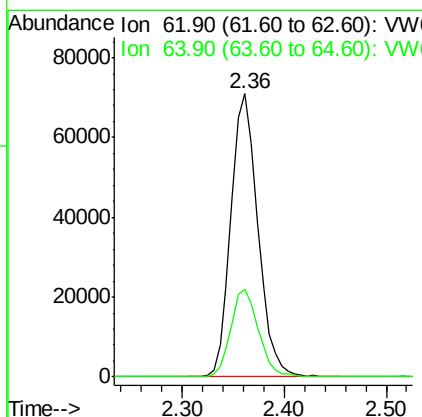
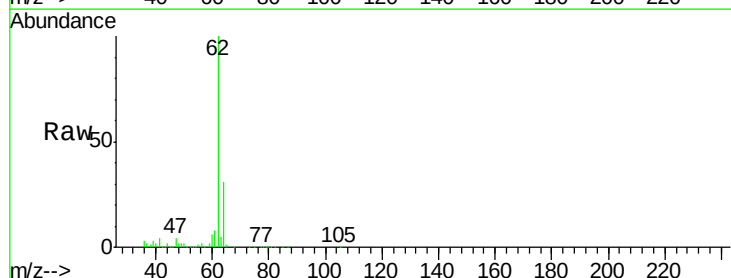
Acq: 28 Aug 2019 20:50

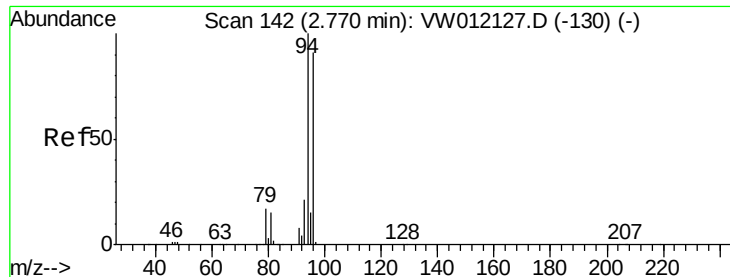
Tgt Ion: 62 Resp: 129798

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 51.797 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 68257

Ion Ratio Lower Upper

94 100

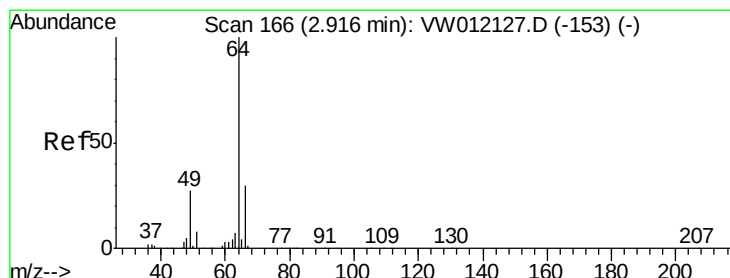
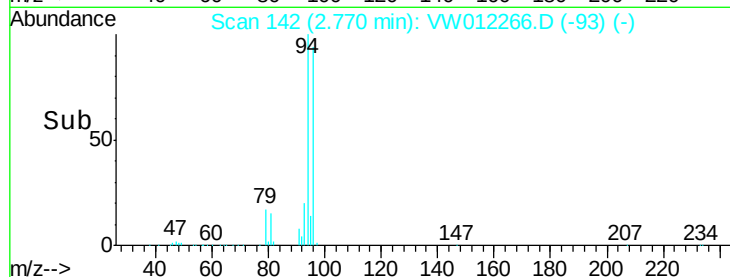
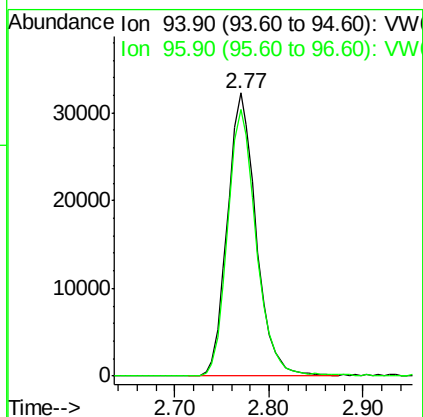
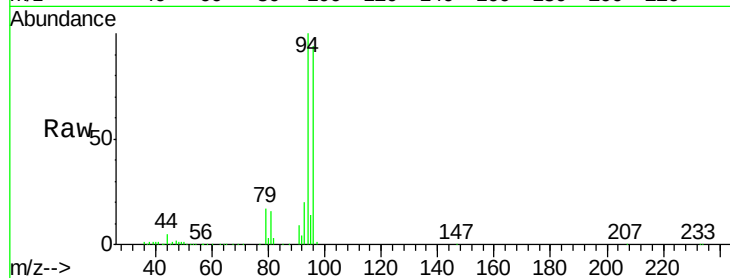
96 94.2 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 52.554 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012266.D

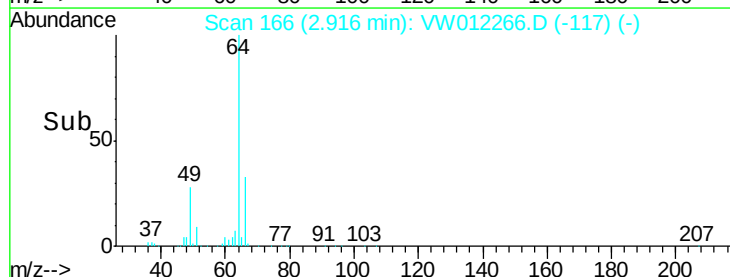
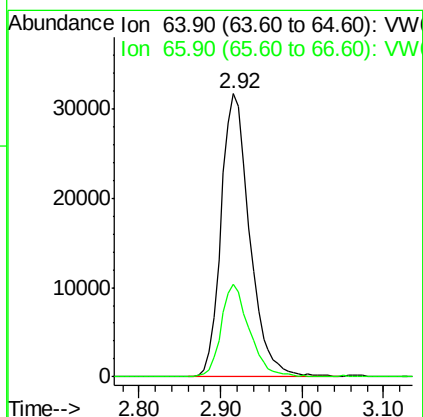
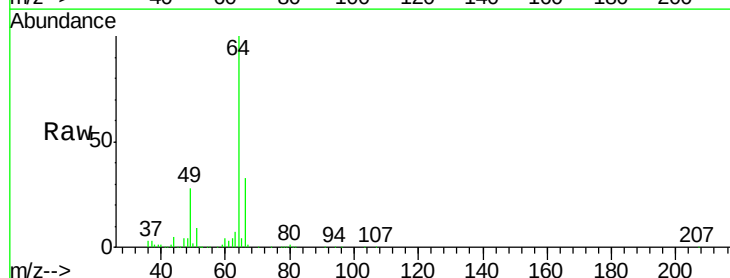
Acq: 28 Aug 2019 20:50

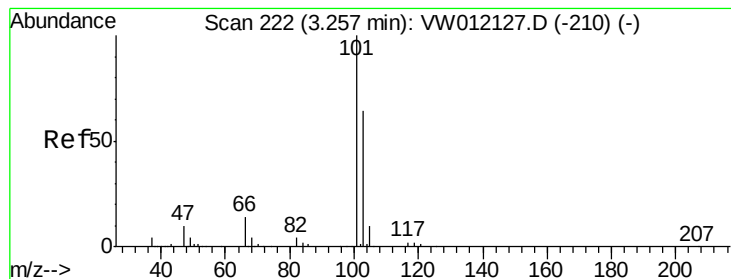
Tgt Ion: 64 Resp: 77142

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.8





#7

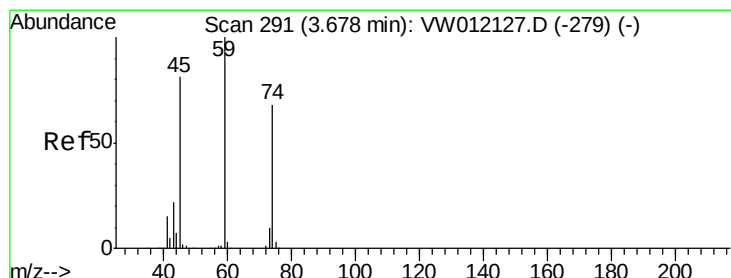
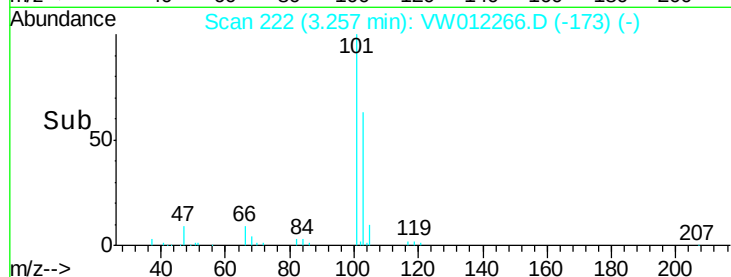
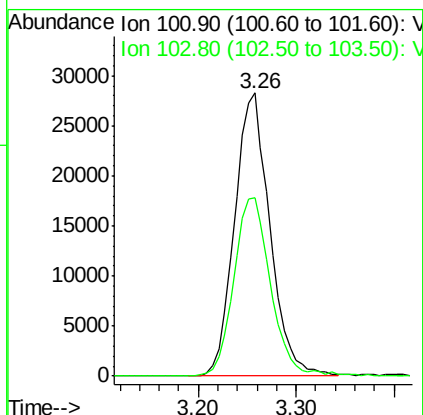
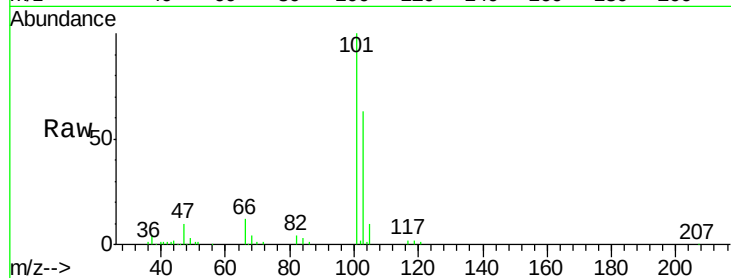
Trichlorofluoromethane
 Concen: 54.231 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.2	76.8

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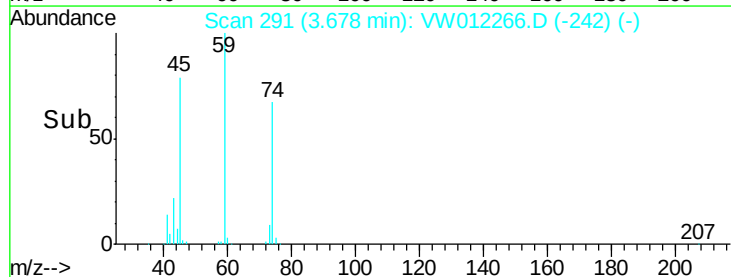
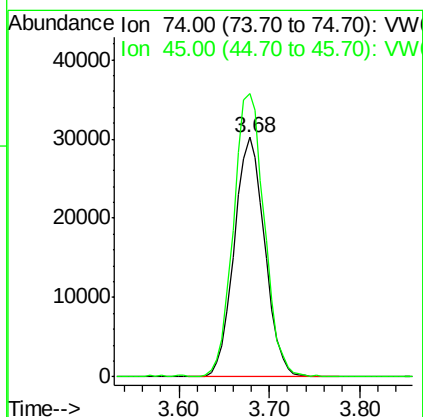
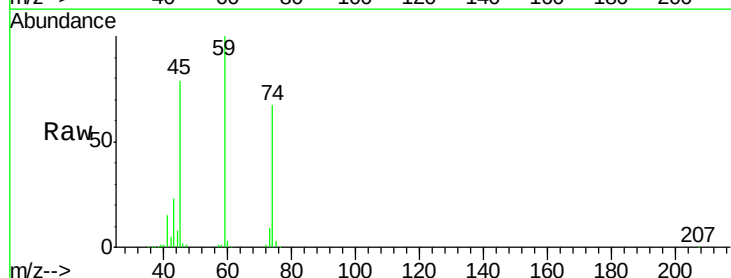
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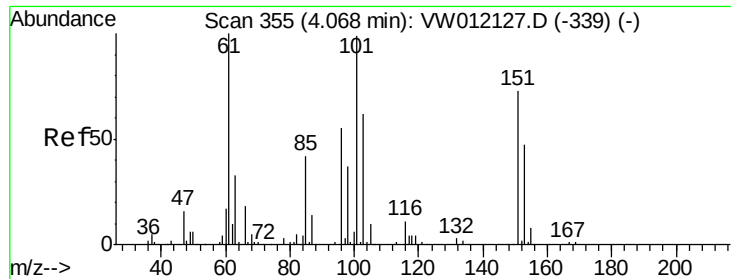


#8

Diethyl Ether
 Concen: 56.908 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.2	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.621 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

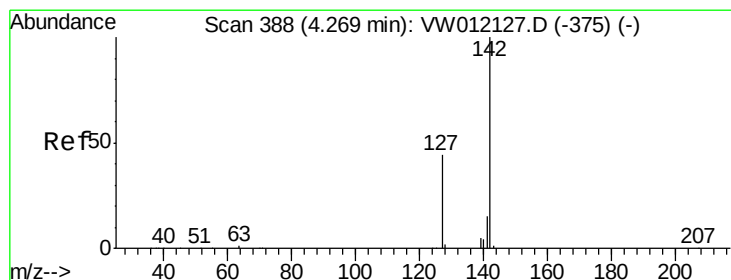
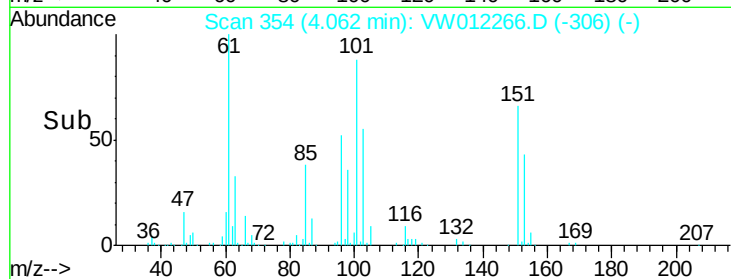
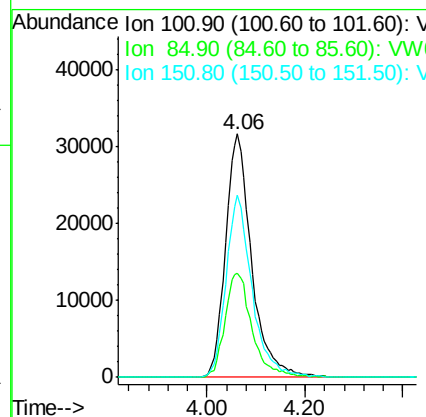
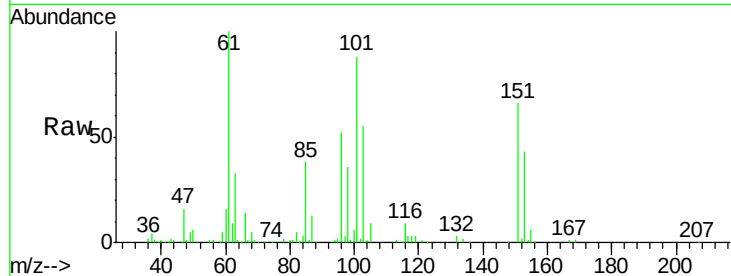
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	116864
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.8	53.6
151	74.4	58.6	87.8

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#10

Methyl Iodide

Concen: 53.942 ug/l

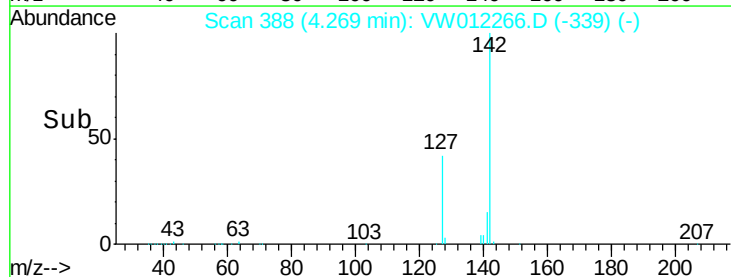
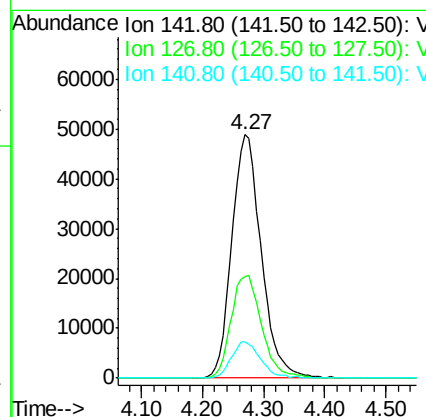
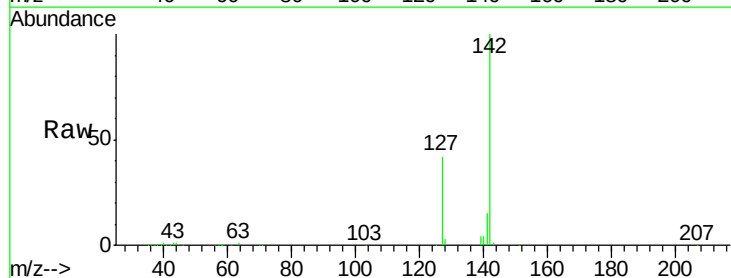
RT: 4.27 min Scan# 388

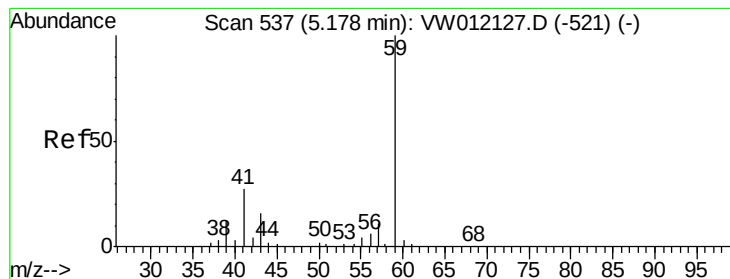
Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion:	142	Resp:	162091
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.5	53.3
141	14.9	11.8	17.8





#11

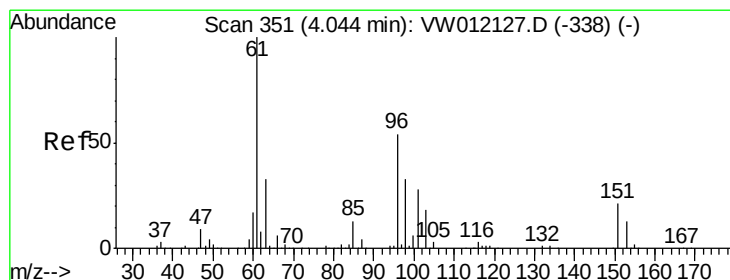
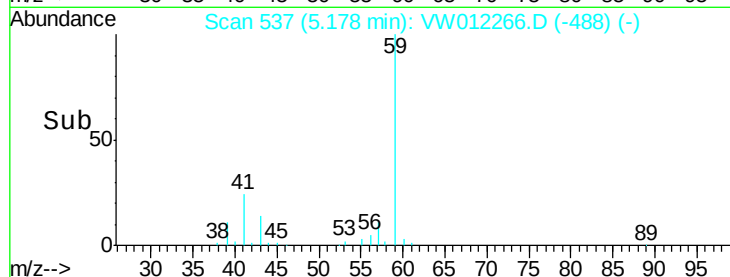
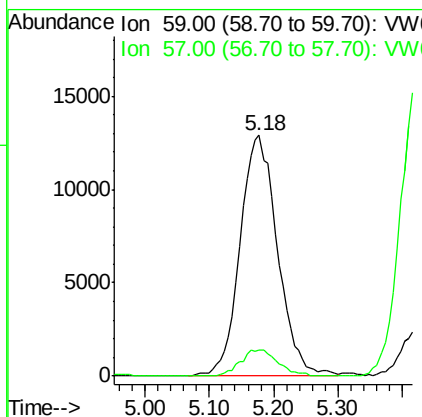
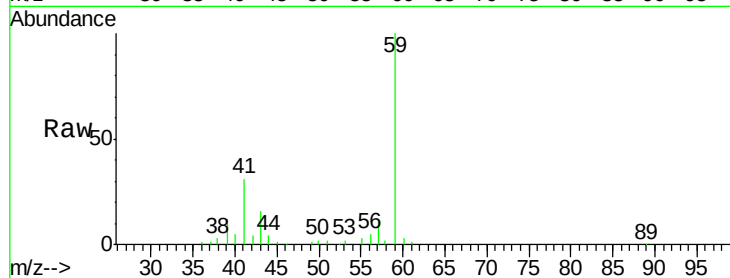
Tert butyl alcohol
 Concen: 324.885 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.4

Manual Integrations
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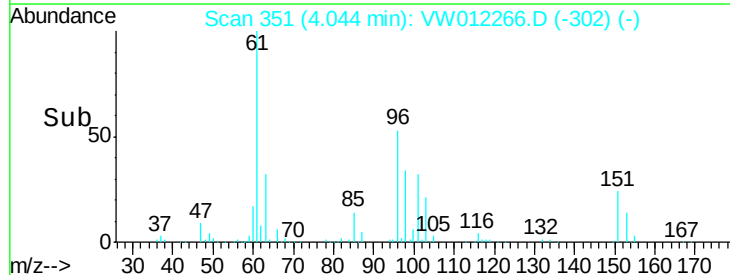
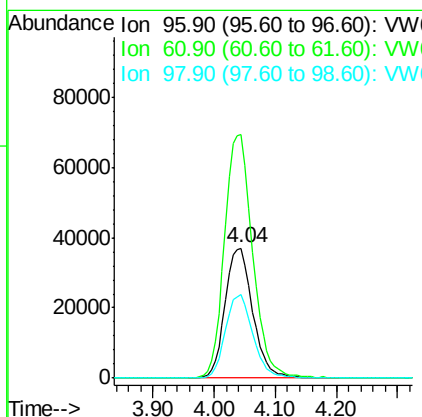
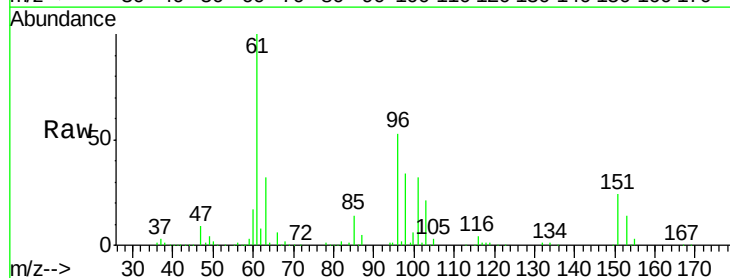
MMDadoda
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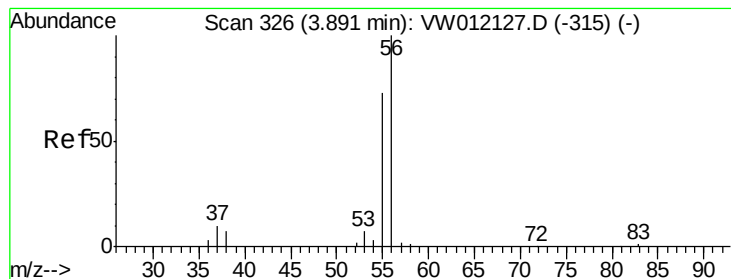


#12

1,1-Dichloroethene
 Concen: 51.701 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.5	149.1	223.7
98	64.6	49.4	74.2





#13

Acrolein

Concen: 248.783 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37335

Ion Ratio Lower Upper

56 100

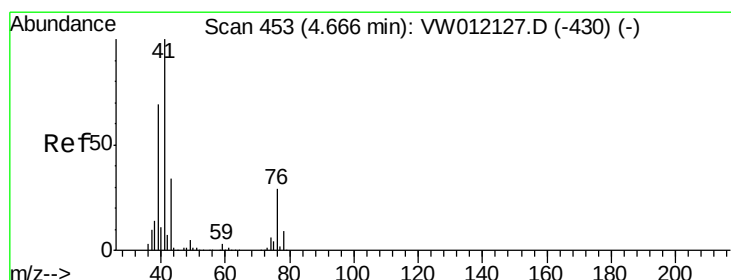
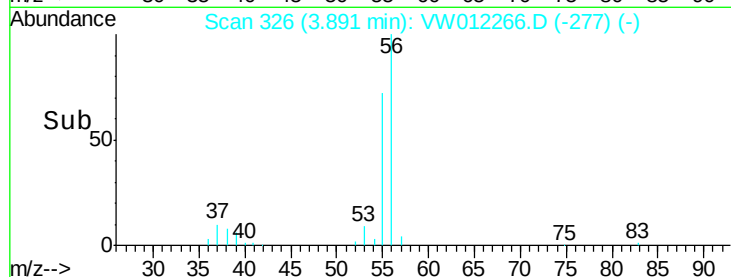
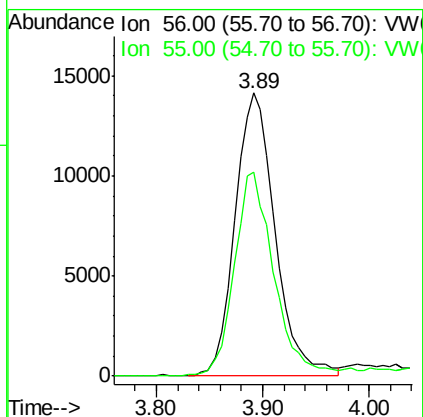
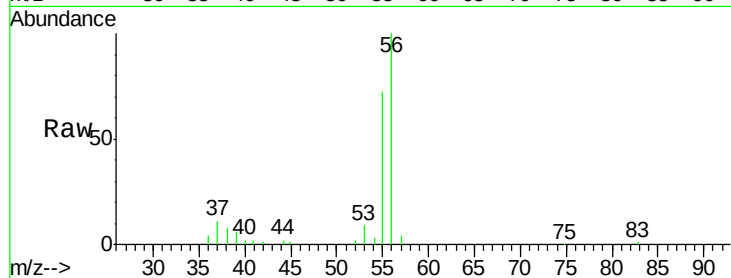
55 71.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 54.295 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

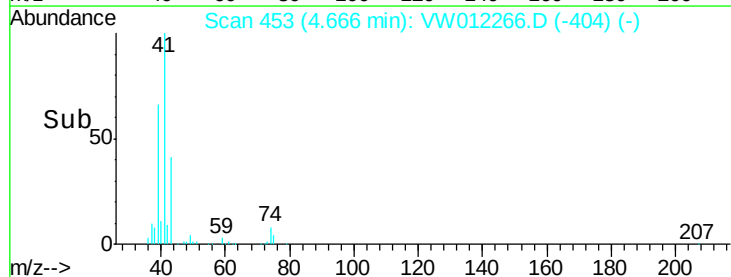
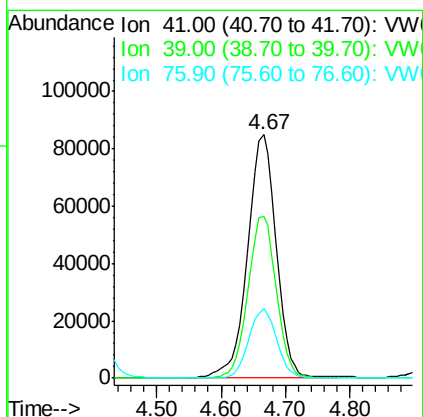
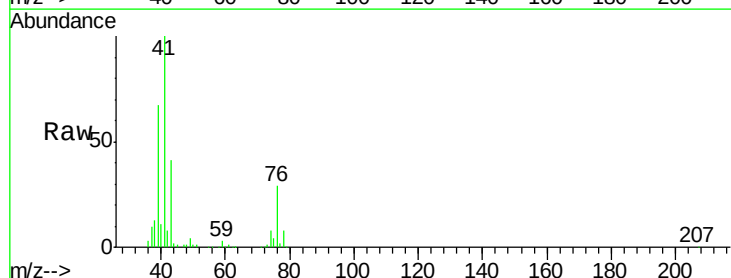
Tgt Ion: 41 Resp: 259463

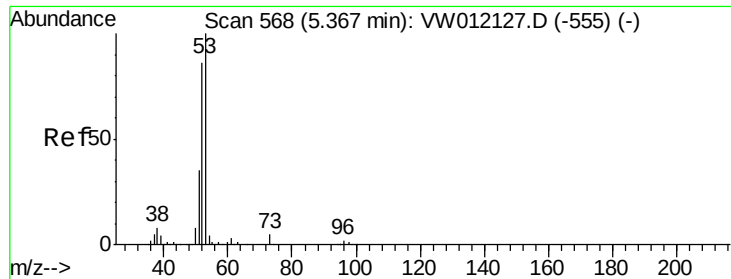
Ion Ratio Lower Upper

41 100

39 65.5 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 314.528 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

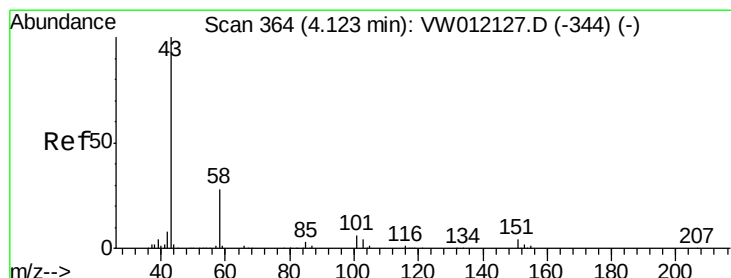
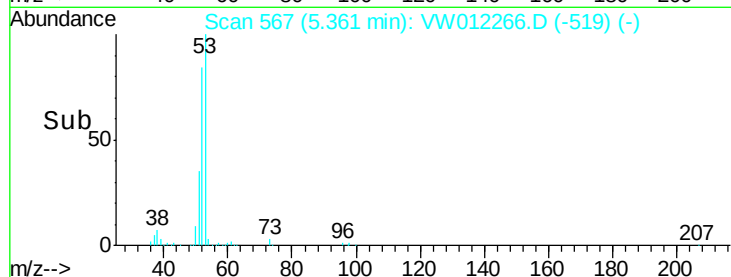
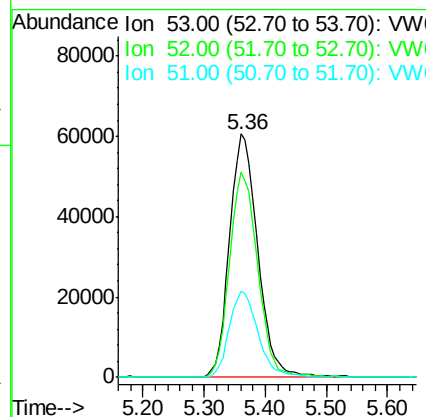
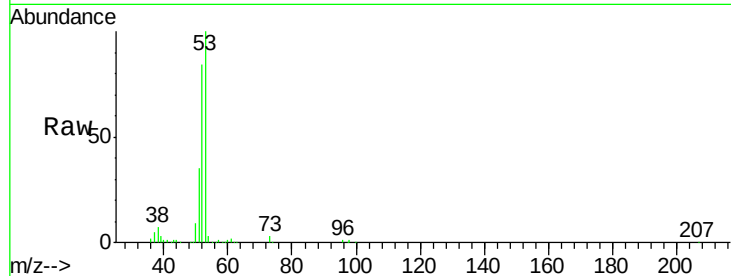
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	193341
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.7	100.1
51	35.9	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 259.850 ug/l

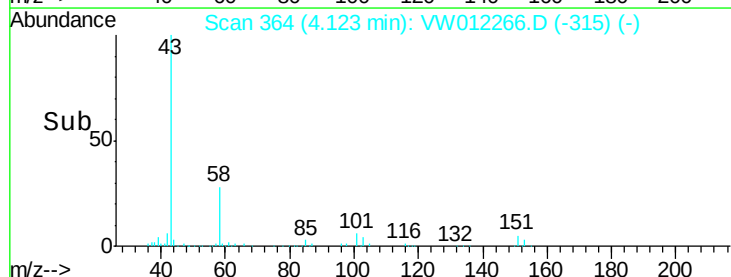
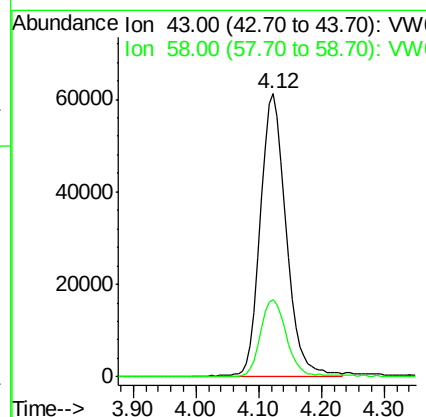
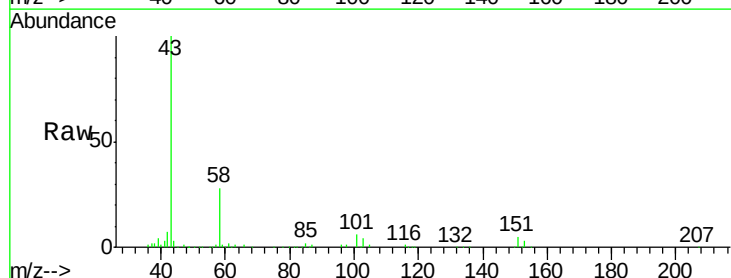
RT: 4.12 min Scan# 364

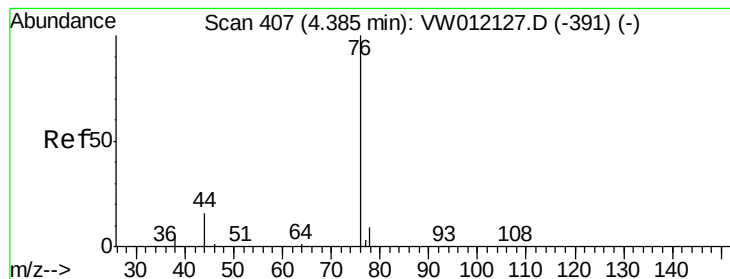
Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion:	43	Resp:	175966
Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.4	33.6





#17

Carbon Disulfide

Concen: 50.992 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 344481

Ion Ratio Lower Upper

76 100

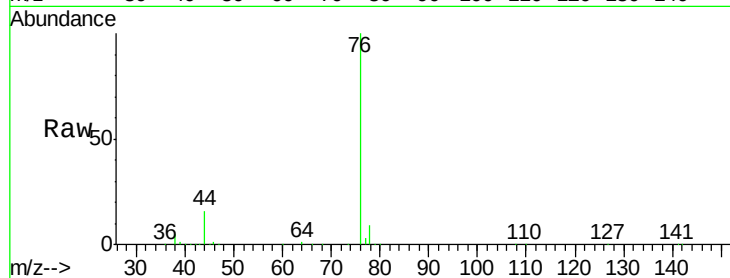
78 9.3 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

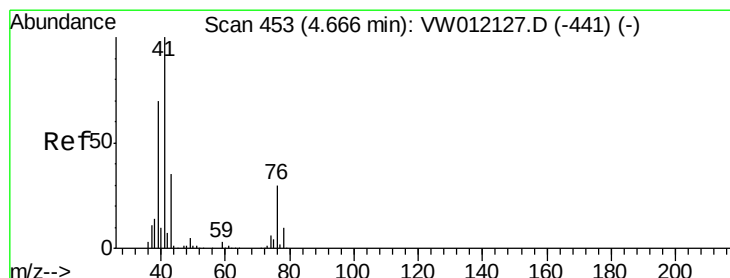
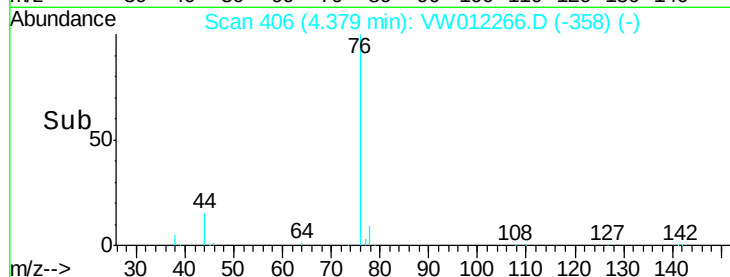
4.38

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 64.021 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012266.D

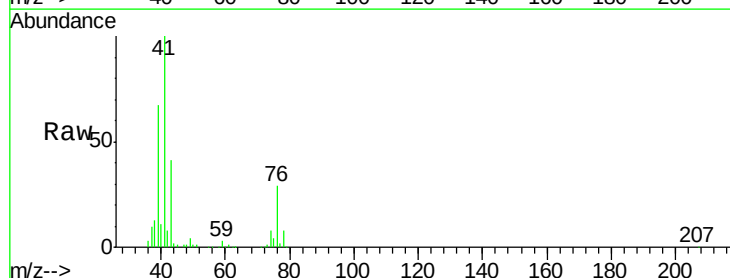
Acq: 28 Aug 2019 20:50

Tgt Ion: 43 Resp: 107380

Ion Ratio Lower Upper

43 100

74 19.1 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

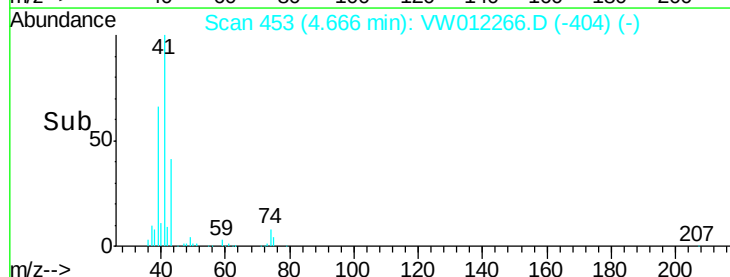
30000

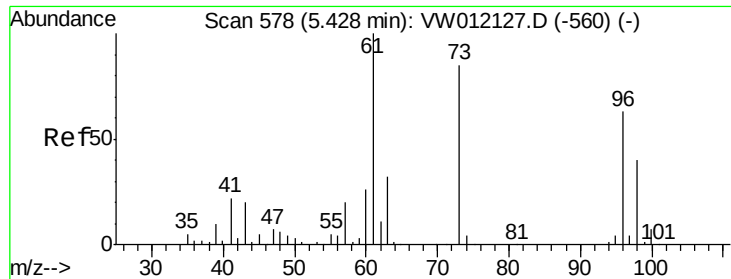
20000

10000

0

Time-->





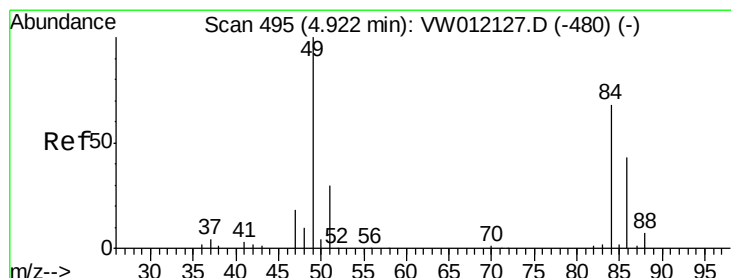
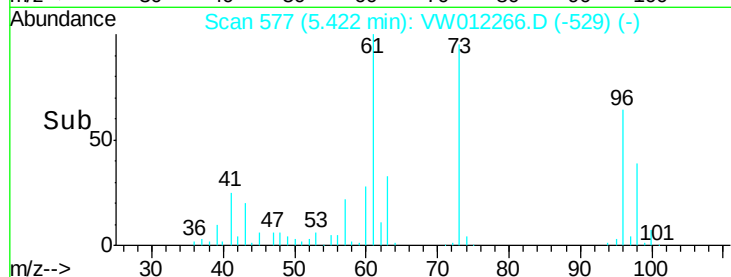
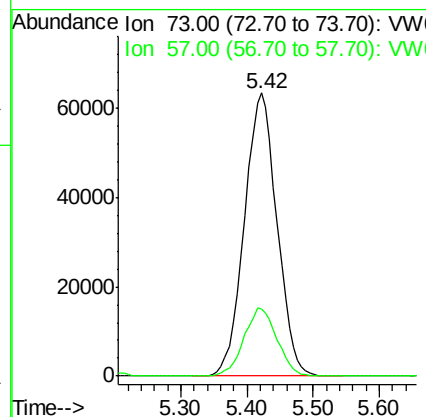
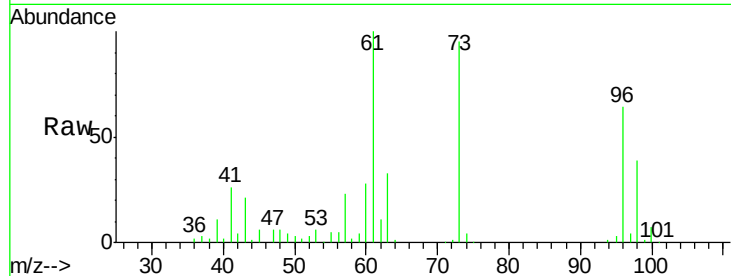
#19
Methyl tert-butyl Ether
Concen: 60.035 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.9	28.3

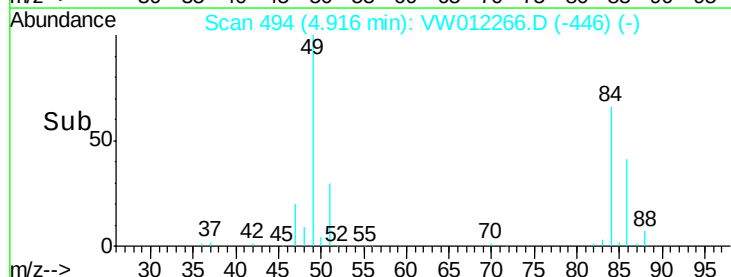
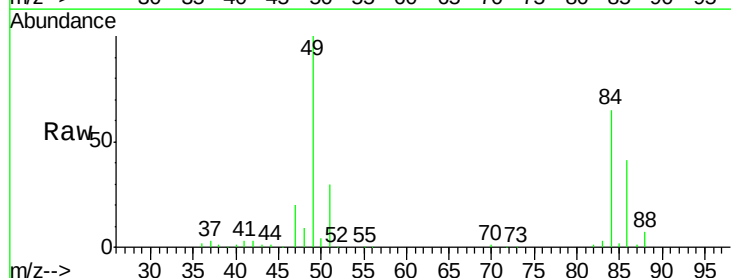
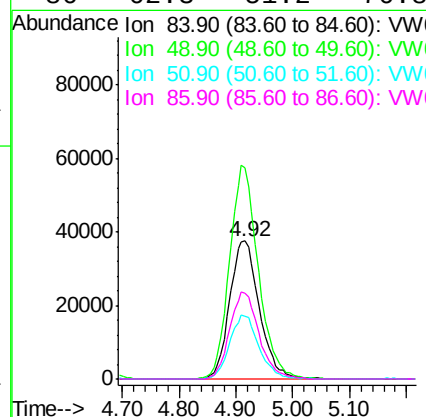
Manual Integrations
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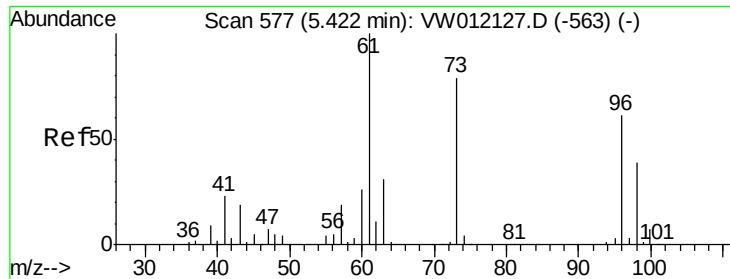
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#20
Methylene Chloride
Concen: 53.396 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.5	117.8	176.8
51	45.9	35.6	53.4
86	62.3	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 53.156 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 127416

Ion Ratio Lower Upper

96 100

61 156.7 131.4 197.0

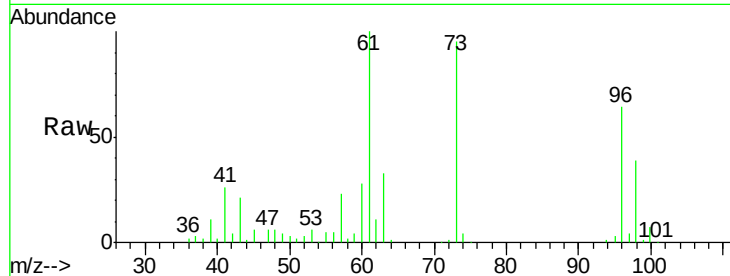
98 60.5 51.4 77.0

Manual Integrations

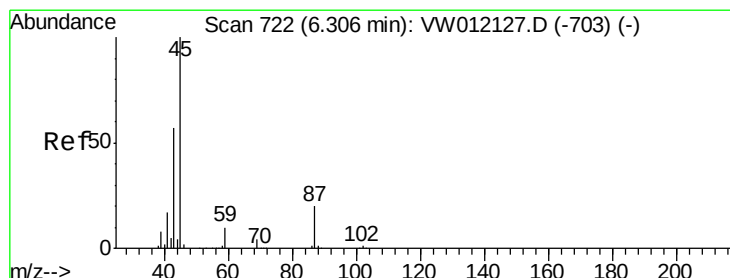
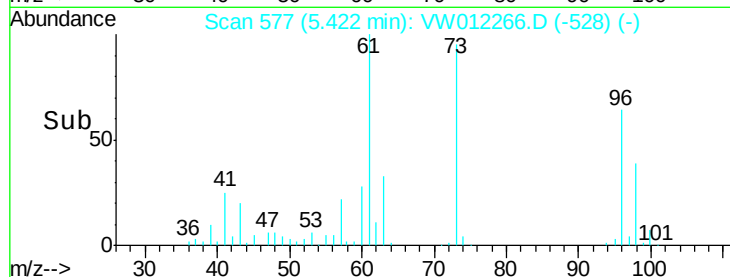
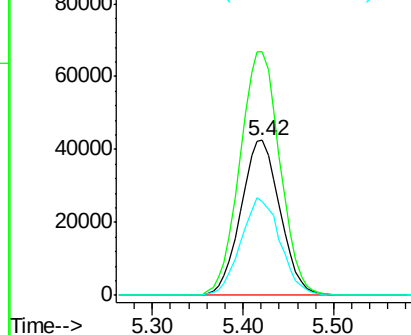
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 56.491 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion: 45 Resp: 500391

Ion Ratio Lower Upper

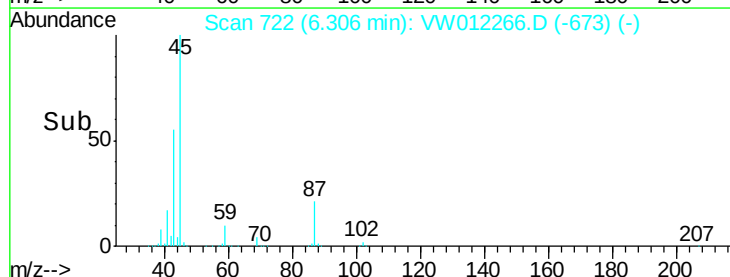
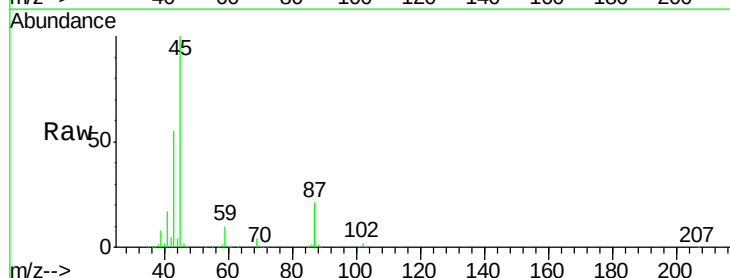
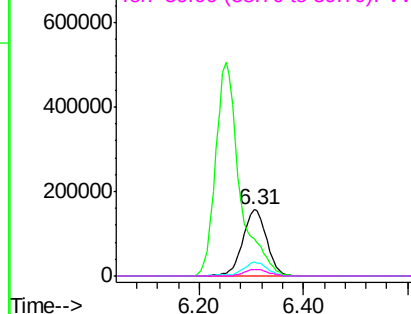
45 100

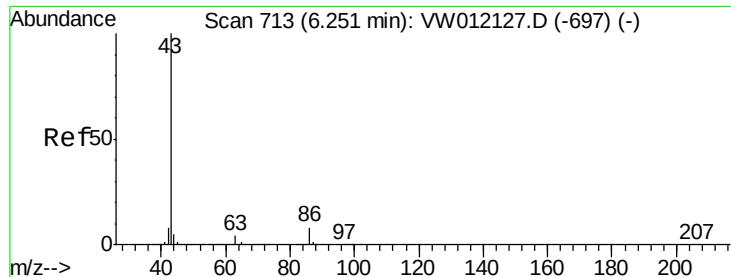
43 55.1 45.5 68.3

87 20.6 16.1 24.1

59 9.9 8.2 12.2

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 298.459 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1626984

Ion Ratio Lower Upper

43 100

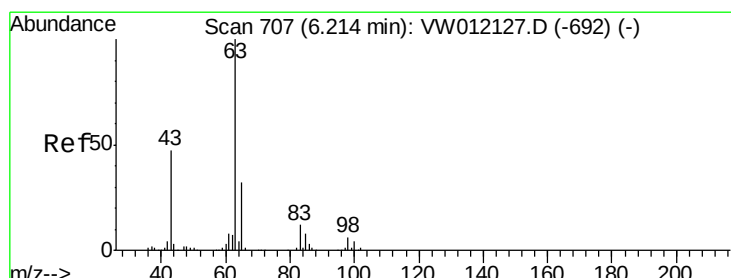
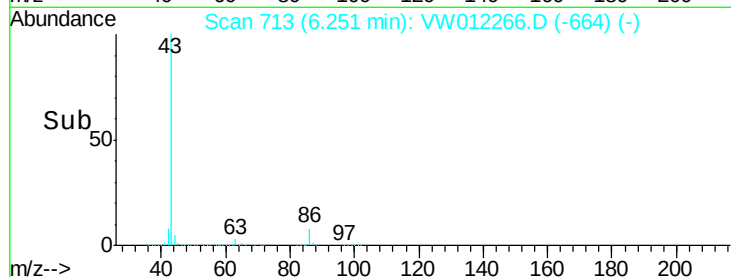
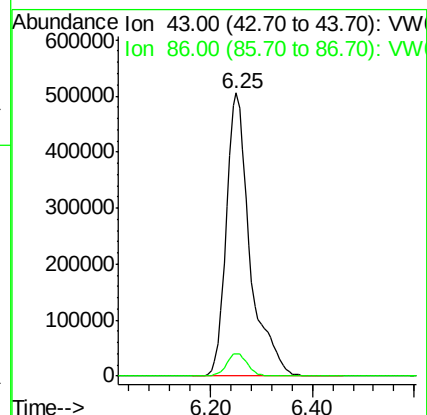
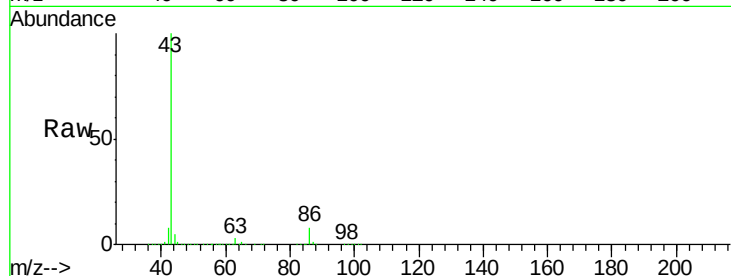
86 8.0 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 53.606 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

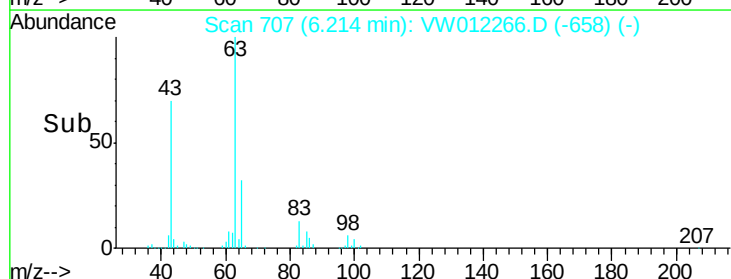
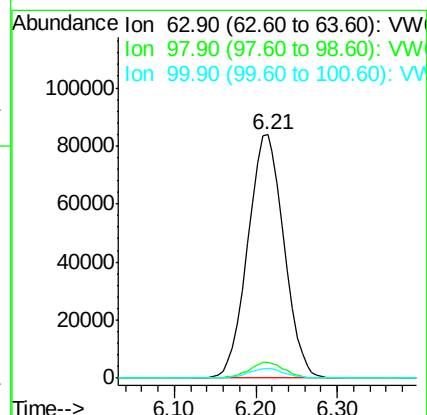
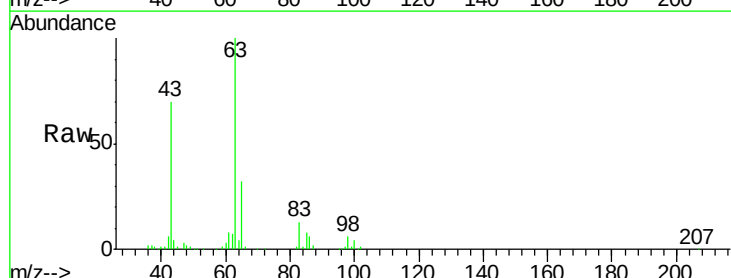
Tgt Ion: 63 Resp: 258538

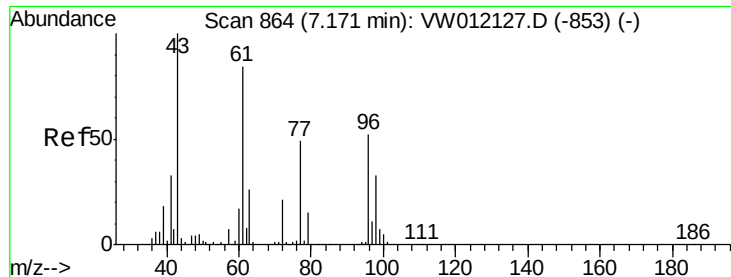
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 296.209 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 272575

Ion Ratio Lower Upper

43 100

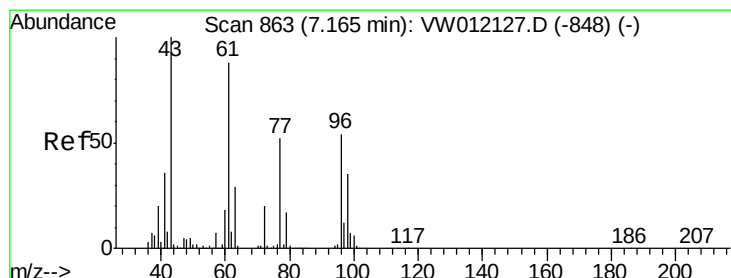
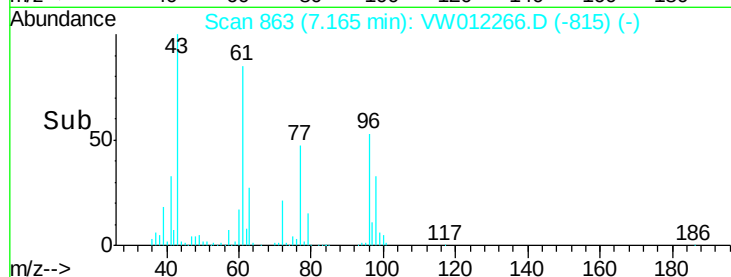
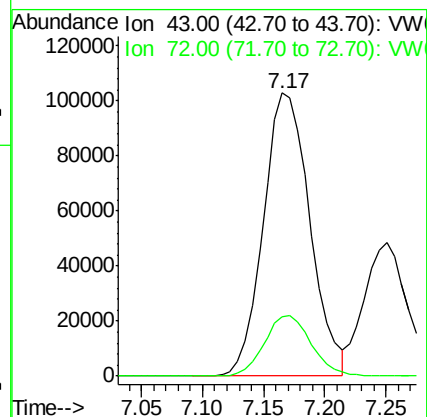
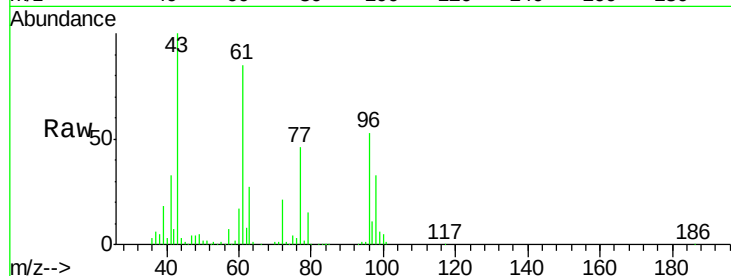
72 21.1 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.610 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012266.D

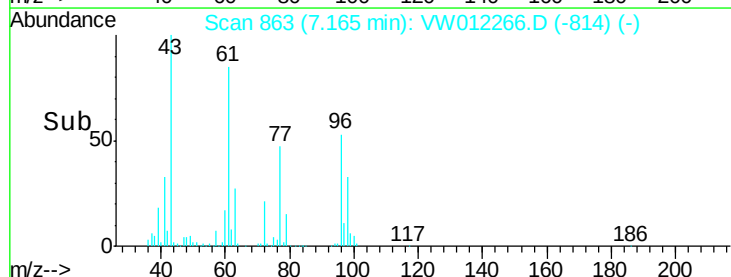
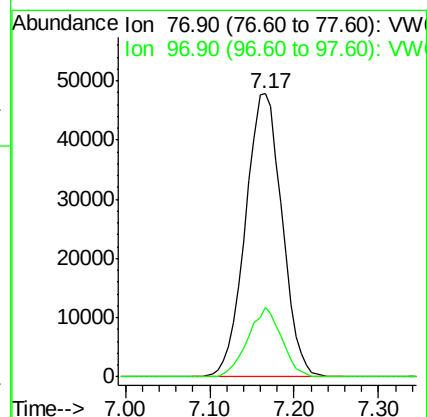
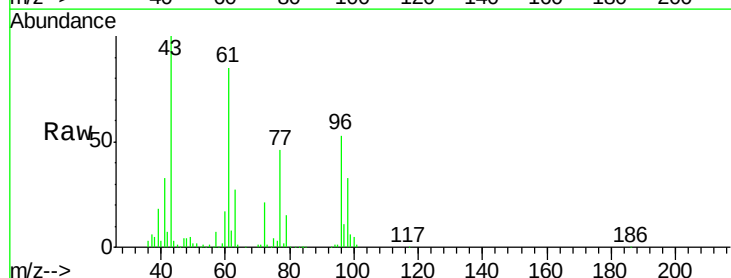
Acq: 28 Aug 2019 20:50

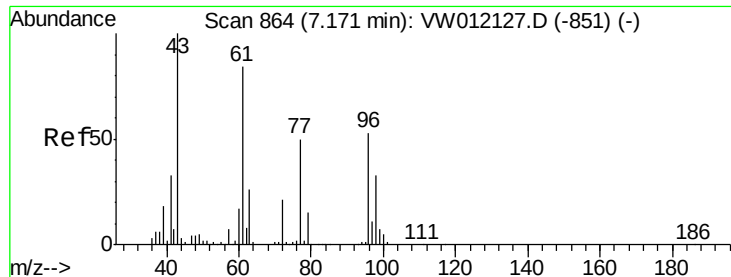
Tgt Ion: 77 Resp: 140887

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

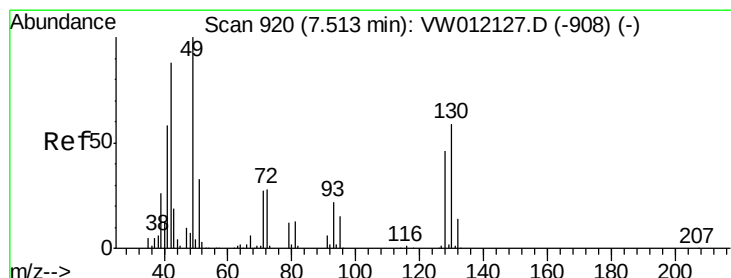
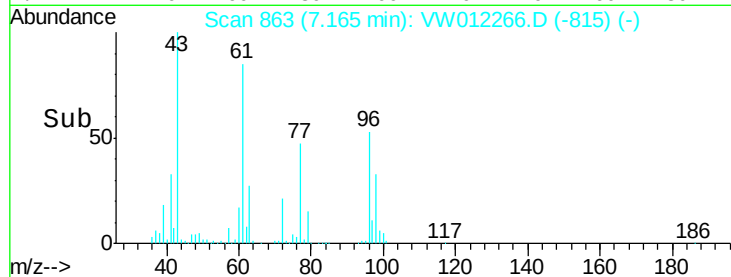
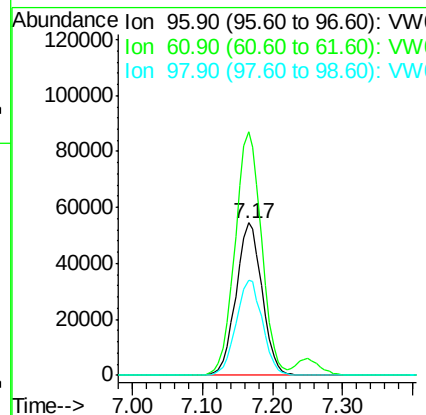
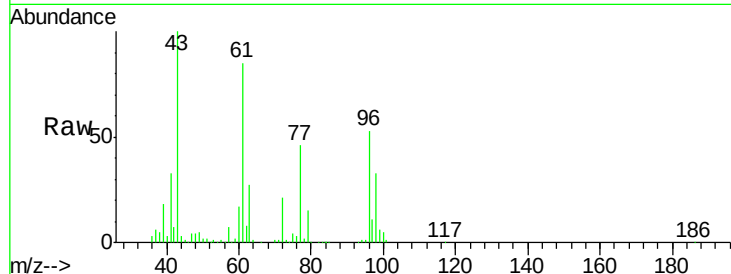
cis-1,2-Dichloroethene
Concen: 54.964 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	140763		
61	162.0	0.0	326.6	
98	63.3	0.0	127.4	

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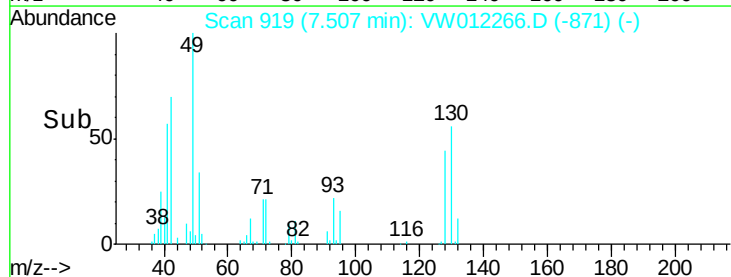
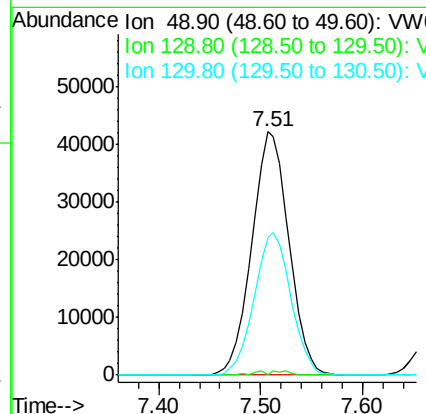
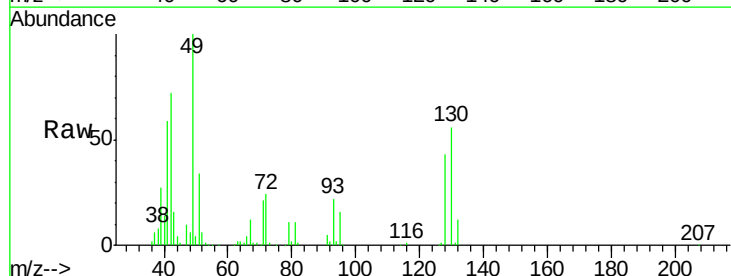
MMDadoda
8/29/2019 9:41:46 AM

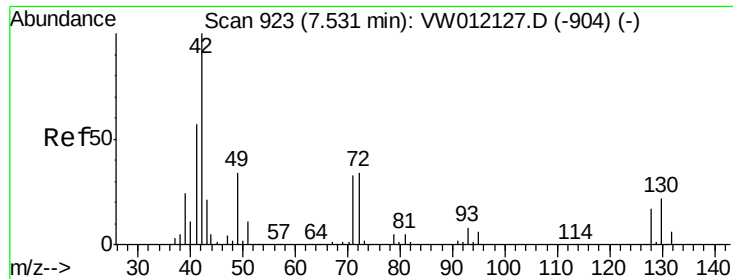


#28

Bromochloromethane
Concen: 50.752 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	106686		
129	0.6	0.0	1.4	
130	0.0	45.5	68.3#	





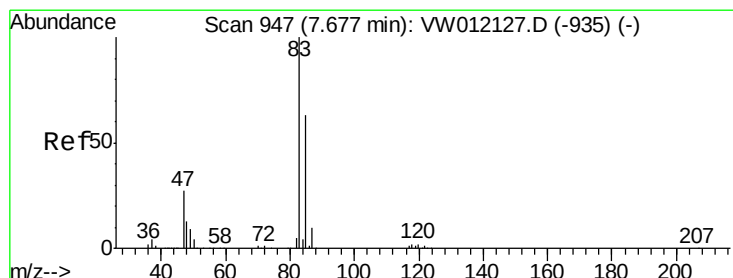
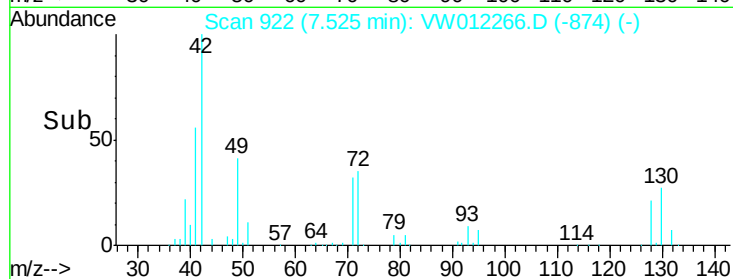
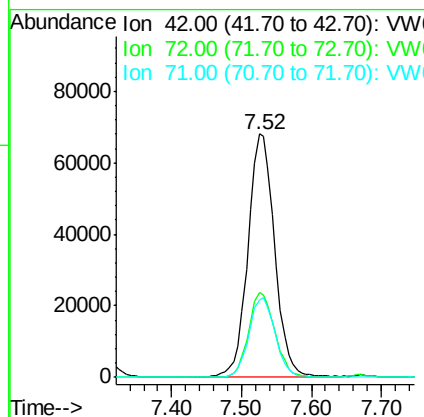
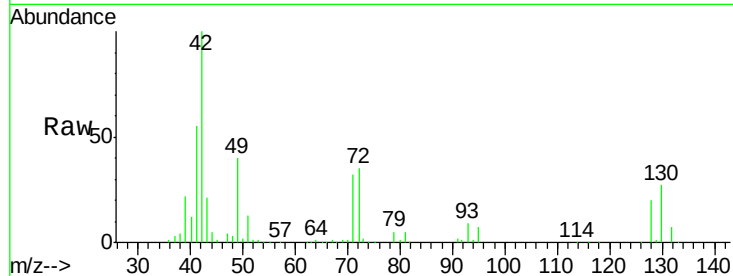
#29
Tetrahydrofuran
Concen: 325.125 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.3	40.9
71	32.4	25.5	38.3

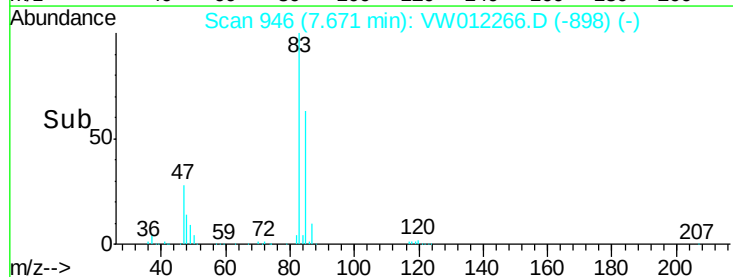
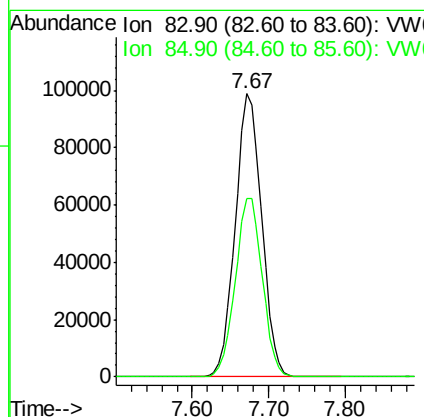
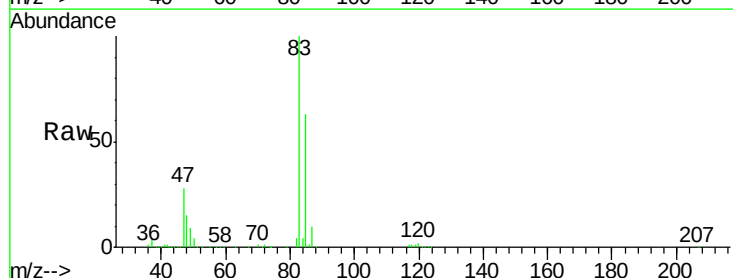
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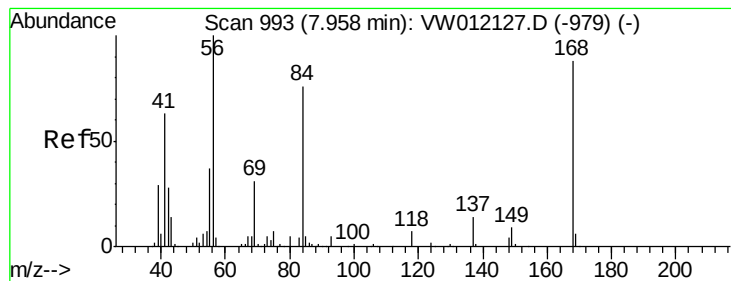
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#30
Chloroform
Concen: 53.579 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	76.0





#31

Cyclohexane

Concen: 49.122 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

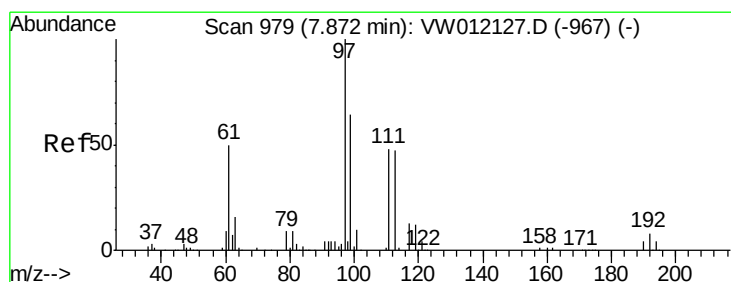
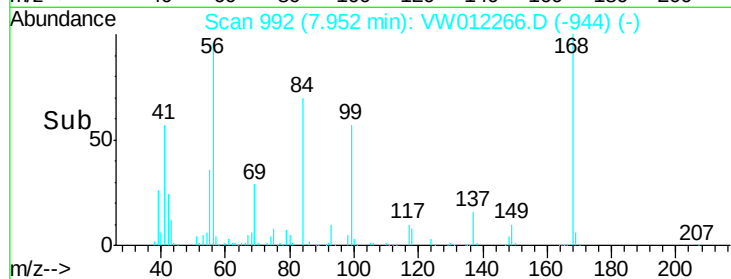
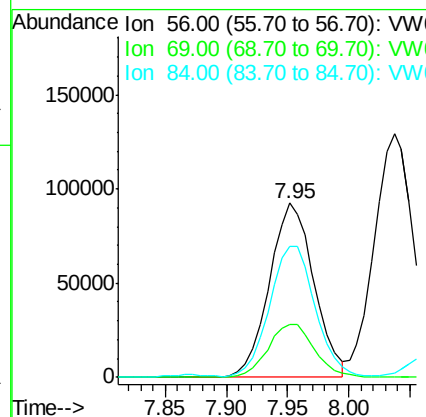
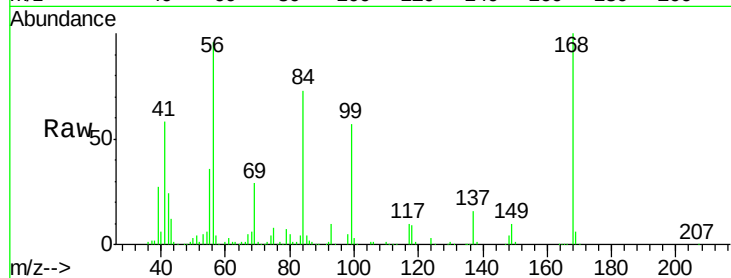
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	234394
Ion Ratio	Lower	Upper	
56	100		
69	30.6	24.9	37.3
84	74.2	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 53.421 ug/l

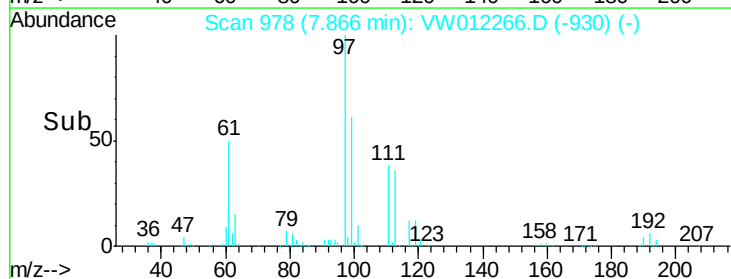
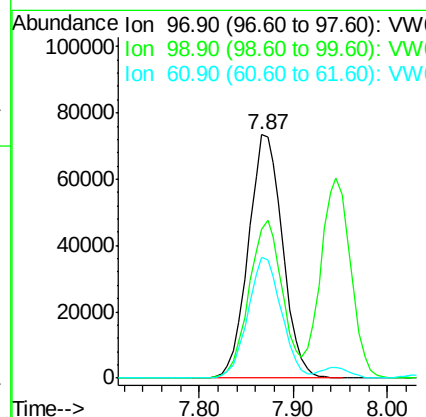
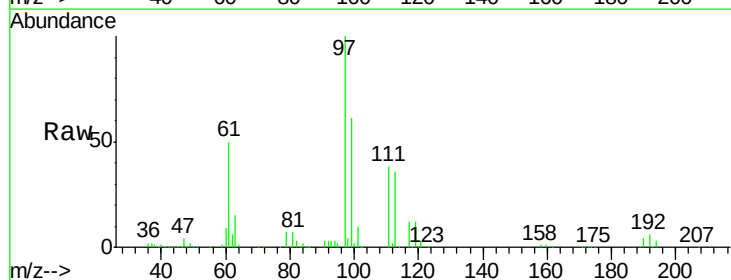
RT: 7.87 min Scan# 978

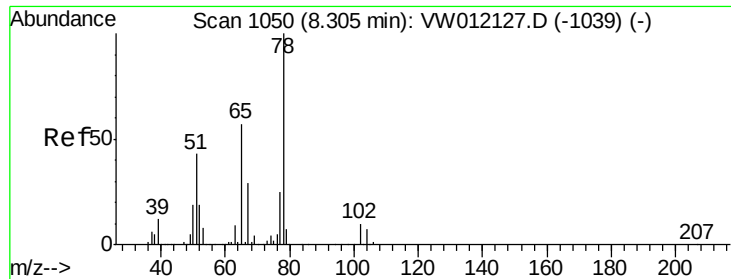
Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion:	97	Resp:	186475
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.4	77.0
61	48.9	39.5	59.3





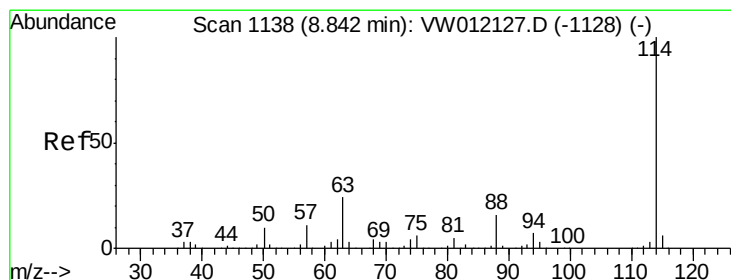
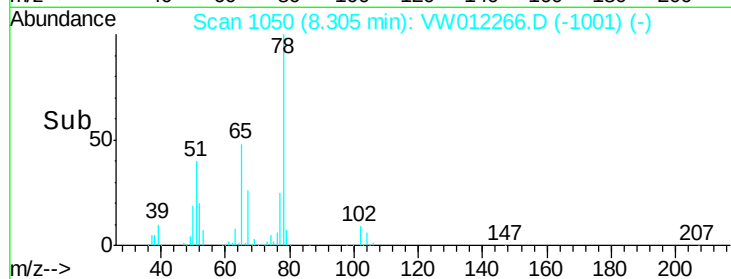
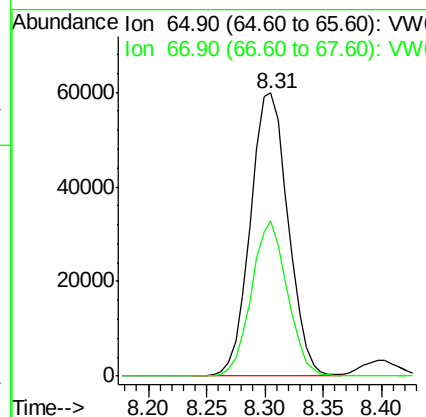
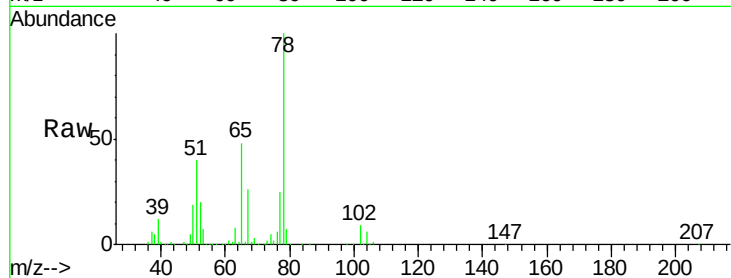
#33
 1,2-Dichloroethane-d4
 Concen: 51.047 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135231		
67	52.1	0.0	102.6	

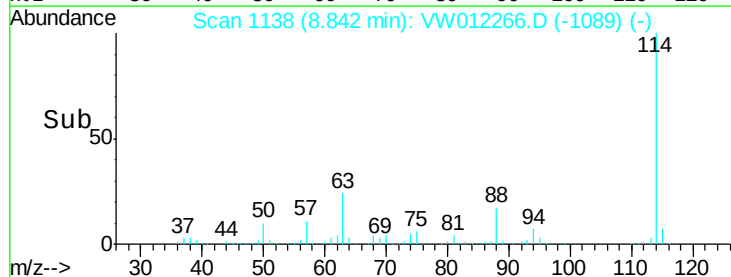
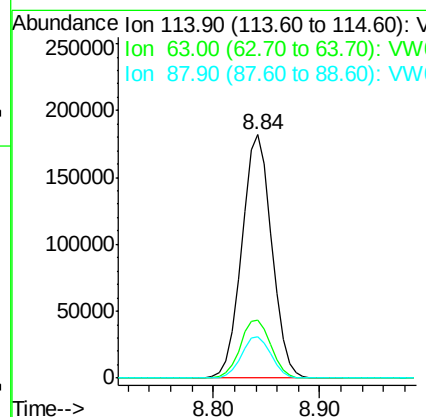
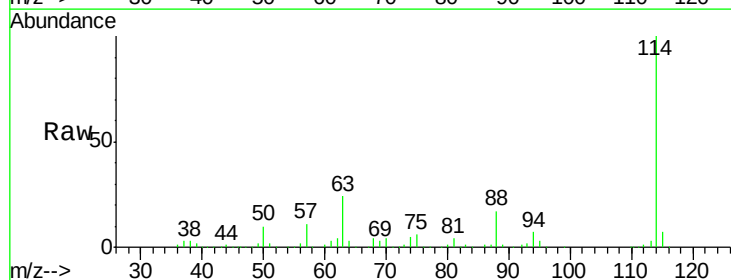
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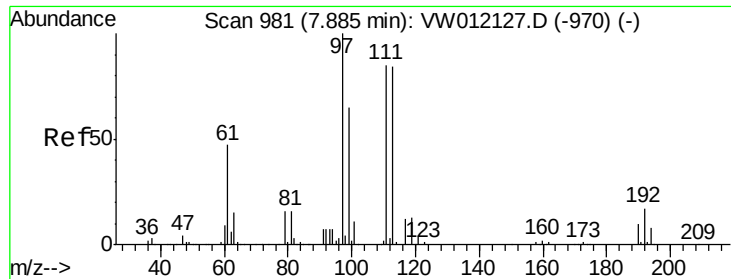
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	359650		
63	24.1	0.0	48.6	
88	16.9	0.0	32.2	





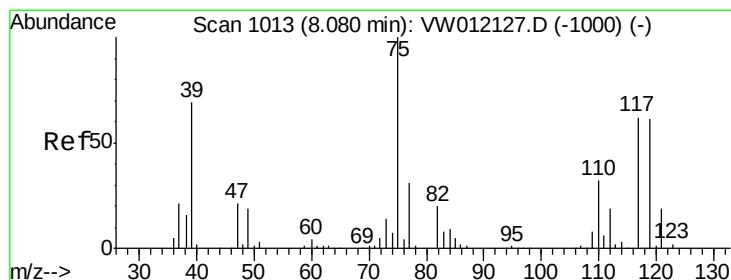
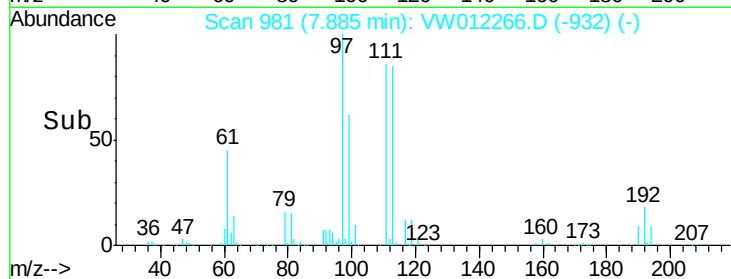
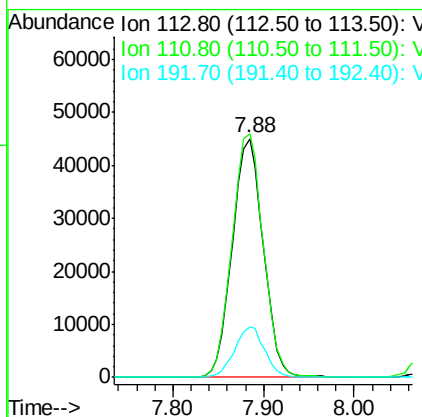
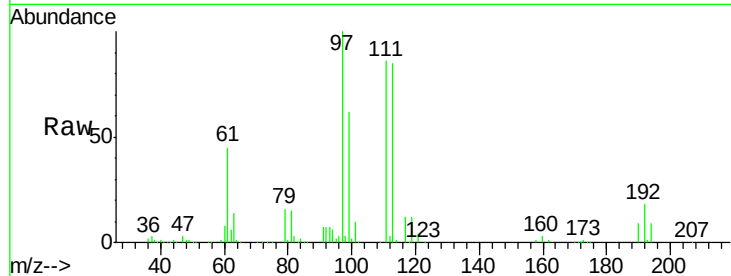
#35
 Dibromofluoromethane
 Concen: 49.786 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106878		
111	103.1	82.7	124.1	
192	20.4	16.2	24.2	

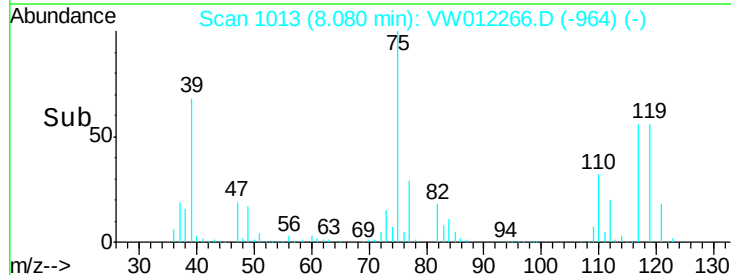
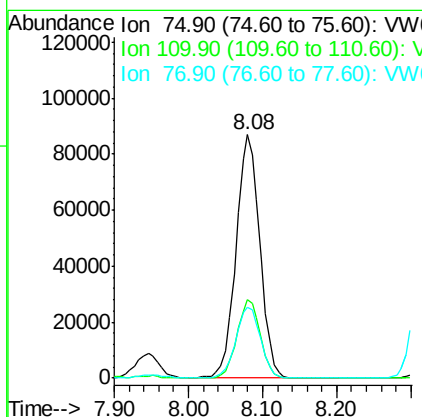
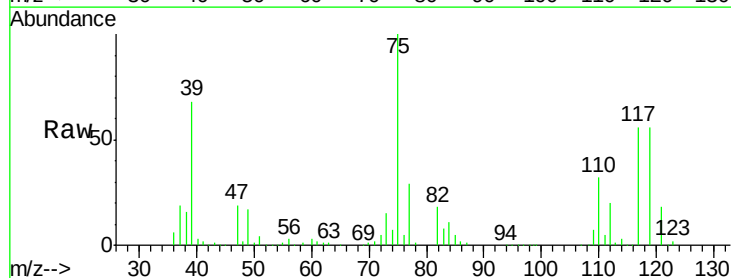
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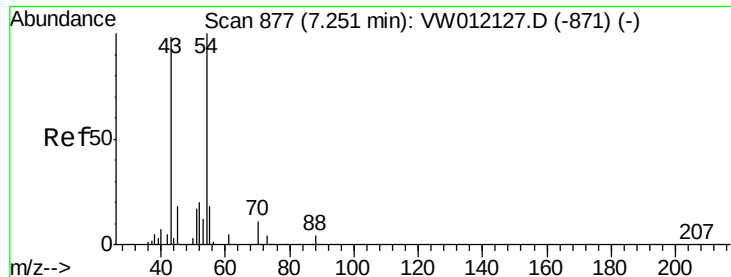
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#36
 1,1-Dichloropropene
 Concen: 52.297 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	194366		
110	31.6	15.6	46.8	
77	30.5	24.6	36.8	





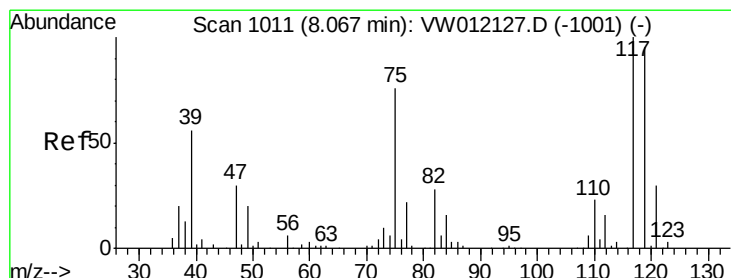
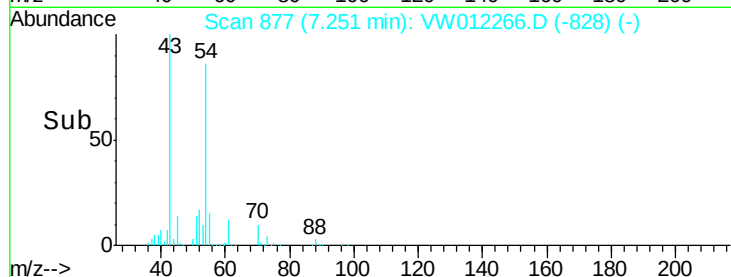
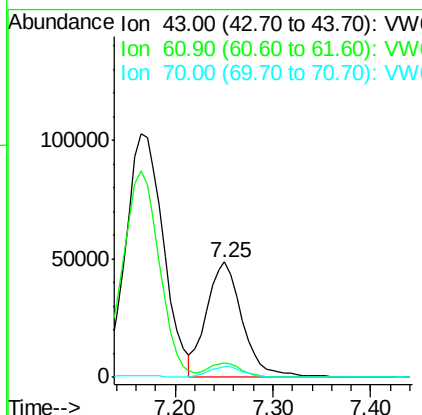
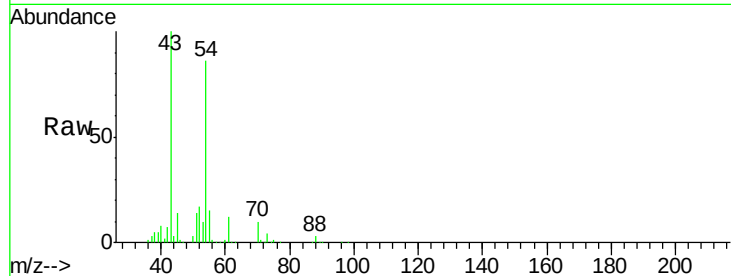
#37
Ethyl Acetate
Concen: 60.239 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.1	9.2	13.8	
70	9.1	6.9	10.3	

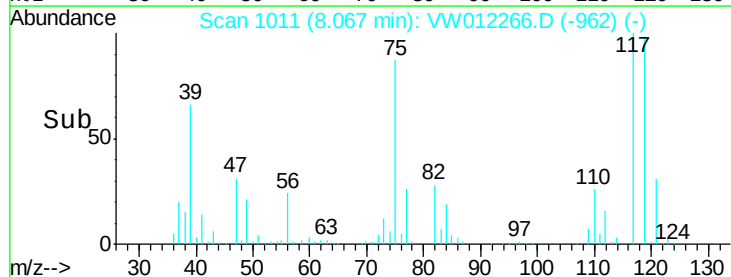
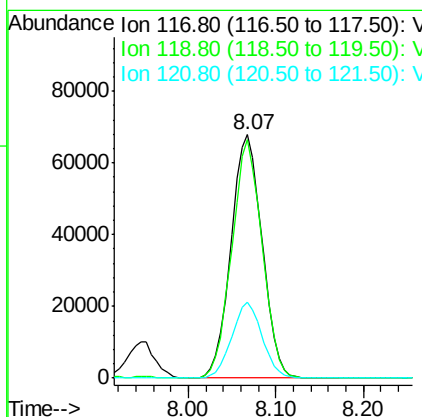
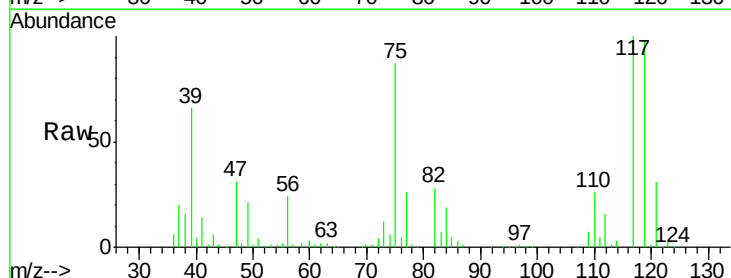
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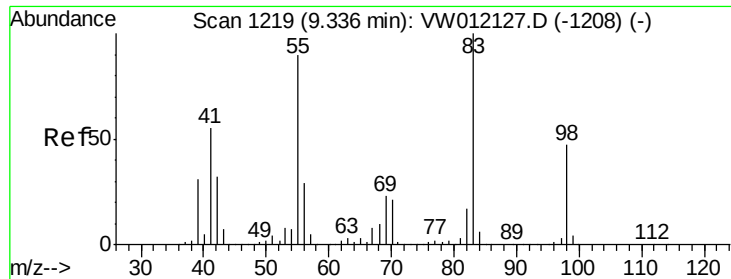
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#38
Carbon Tetrachloride
Concen: 52.139 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.7	76.2	114.2	
121	31.4	23.8	35.8	





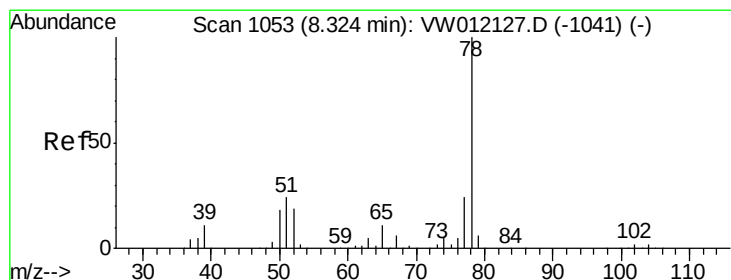
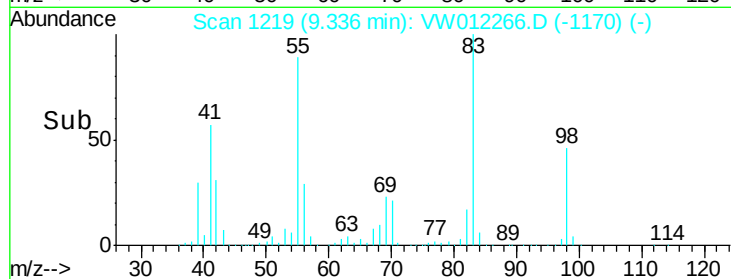
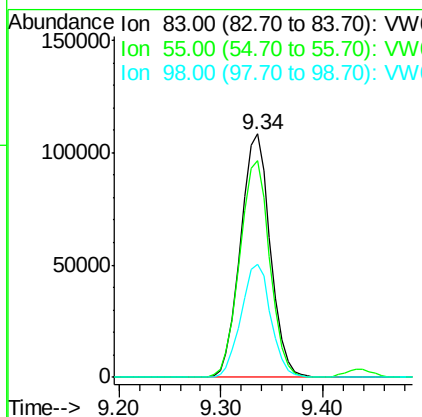
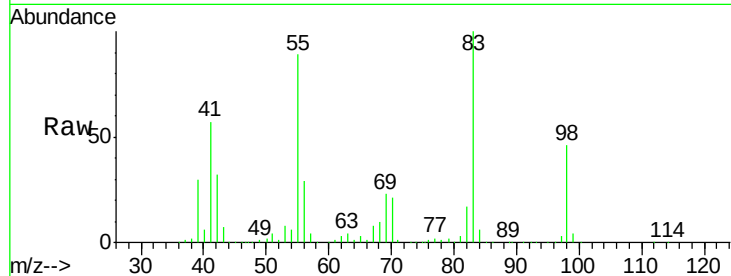
#39
Methylvlcyclohexane
Concen: 52.741 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	71.8	107.8
98	46.4	37.8	56.8

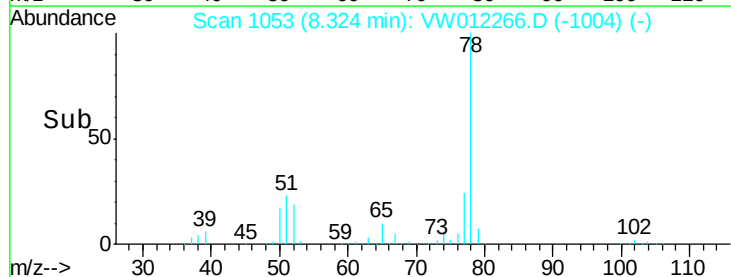
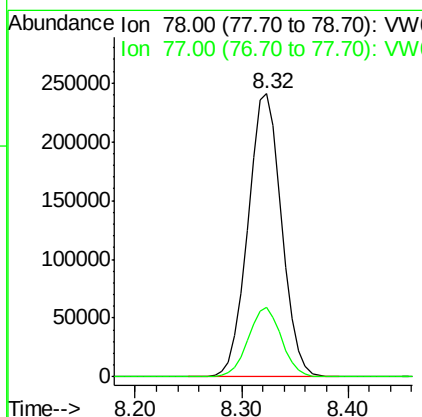
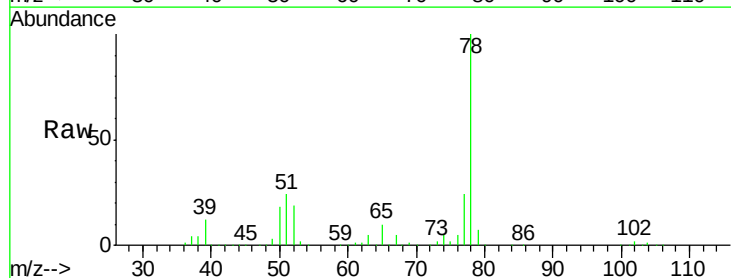
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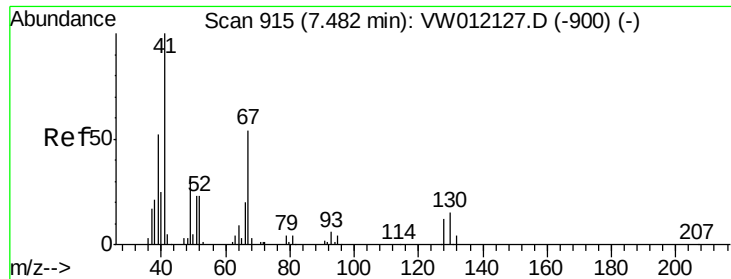
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#40
Benzene
Concen: 52.646 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





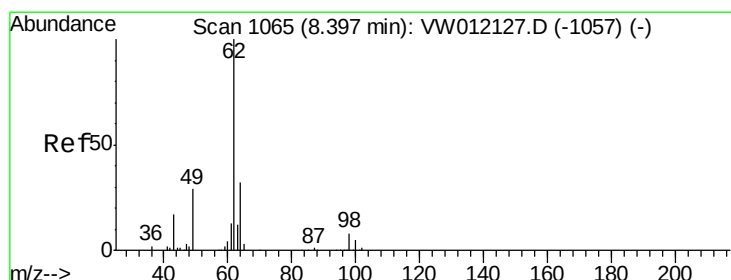
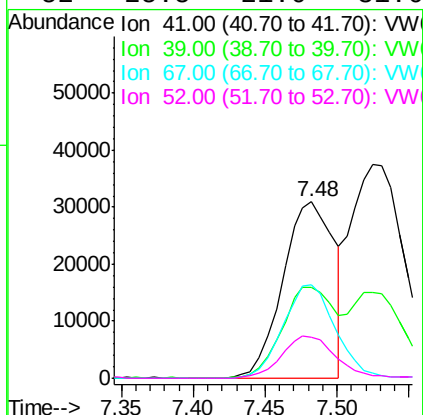
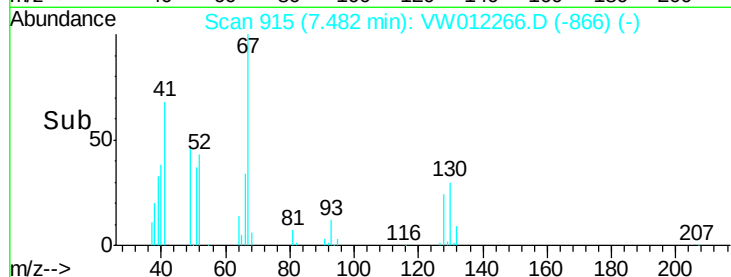
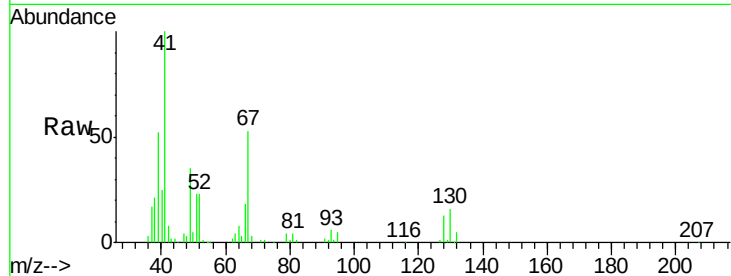
#41
Methacrylonitrile
Concen: 64.138 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	76773
Ion	Ratio	Lower	Upper
41	100		
39	51.5	45.8	68.8
67	54.7	46.2	69.4
52	25.5	21.0	31.6

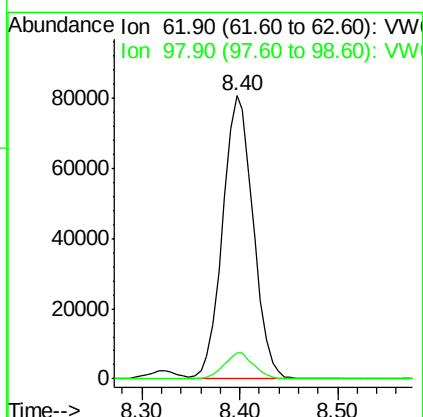
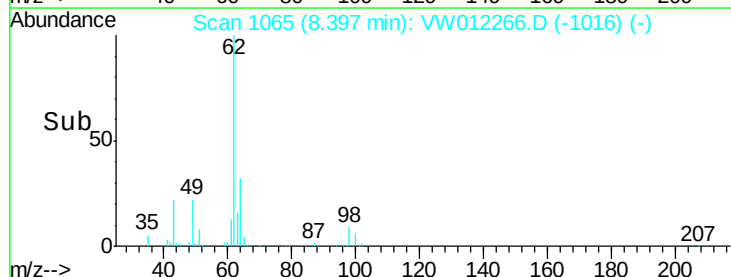
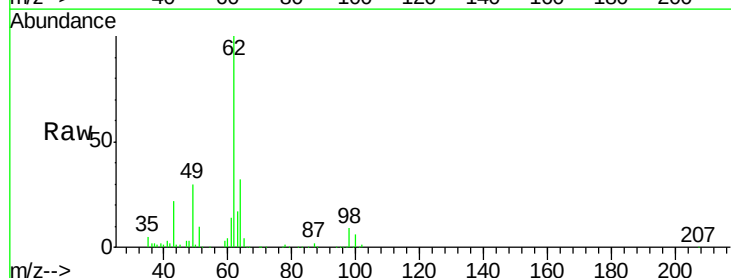
Manual Integrations
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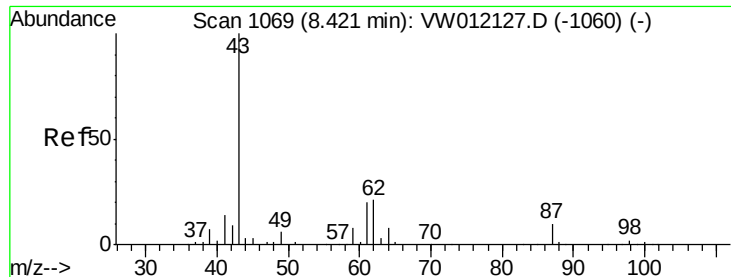
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.868 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	62	Resp	174511
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 61.365 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

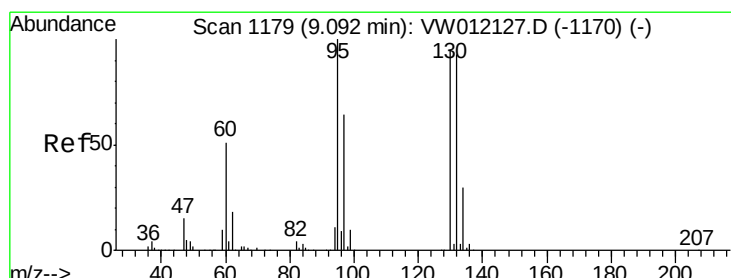
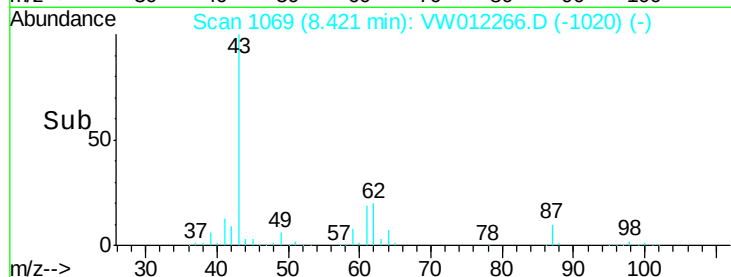
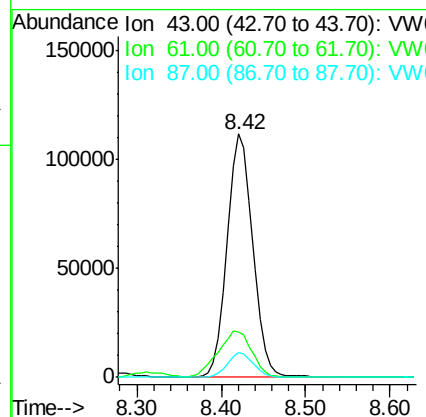
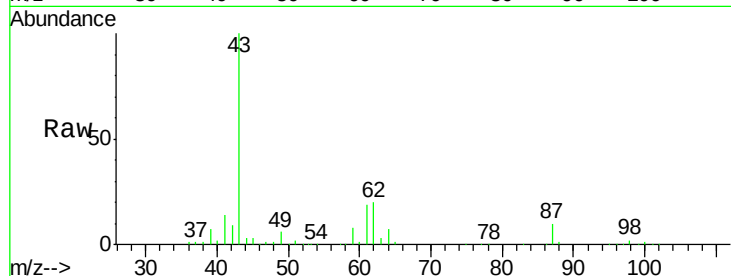
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	231498
Ion	Ratio	Lower	Upper
43	100		
61	25.2	21.1	31.7
87	10.2	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 53.065 ug/l

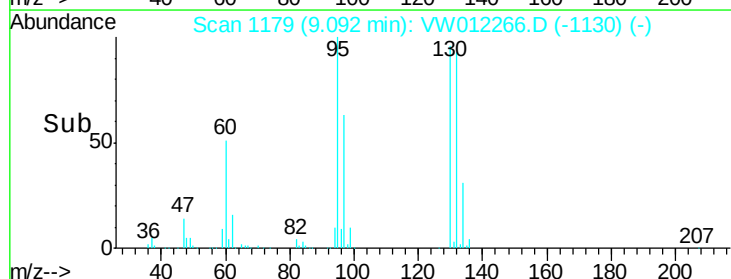
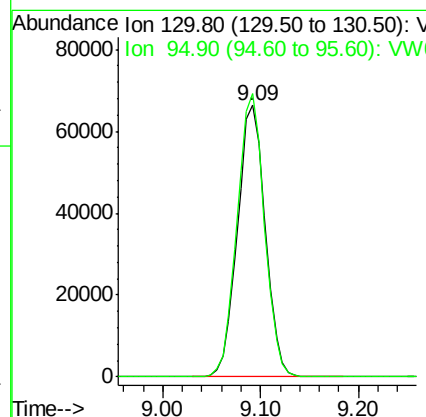
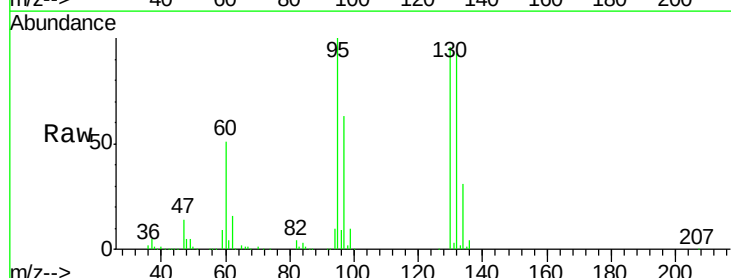
RT: 9.09 min Scan# 1179

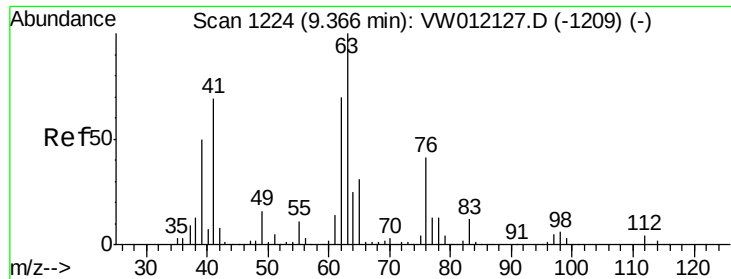
Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion:	130	Resp:	130912
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	210.6





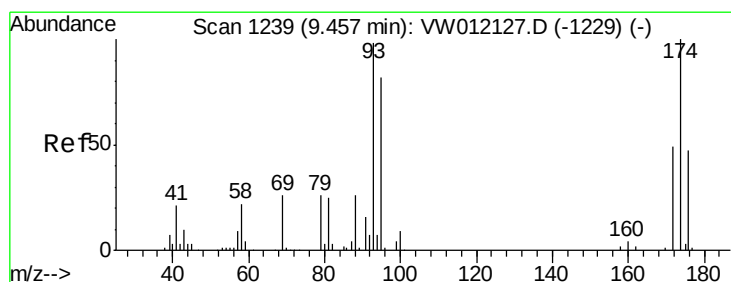
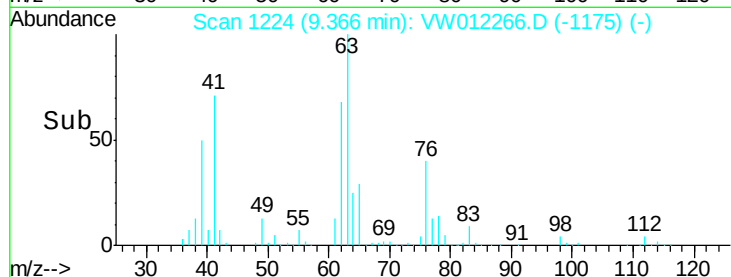
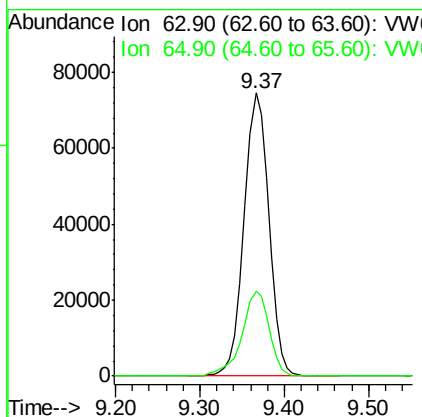
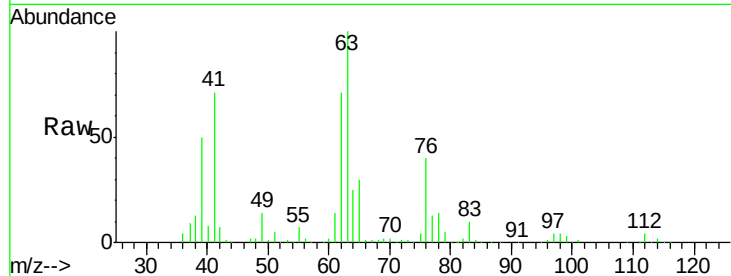
#45
 1,2-Dichloropropane
 Concen: 54.153 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 147904
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.4

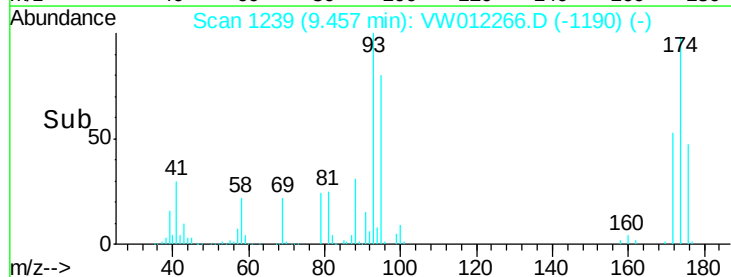
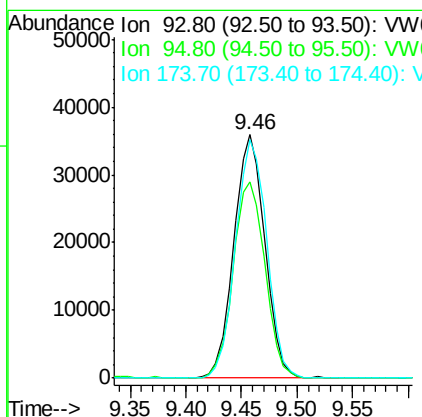
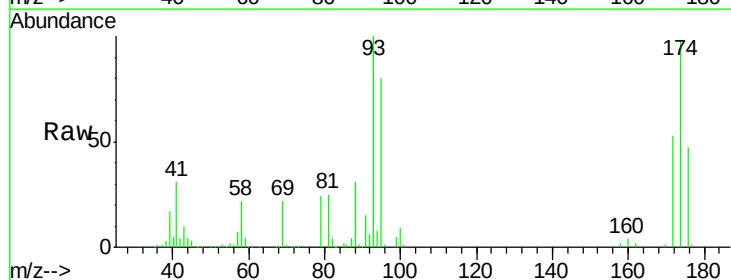
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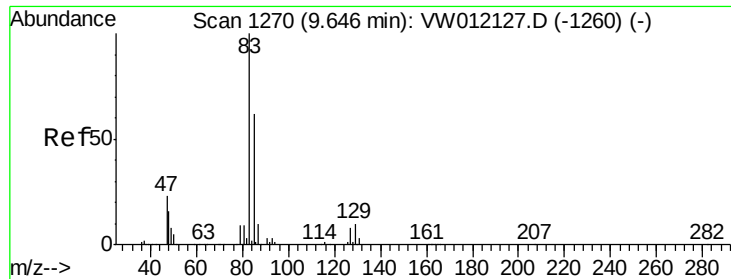
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#46
 Dibromomethane
 Concen: 56.967 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion: 93 Resp: 69227
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 99.0 79.0 118.6





#47

Bromodichloromethane

Concen: 54.957 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

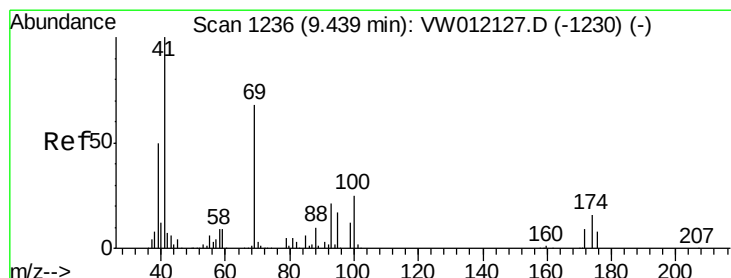
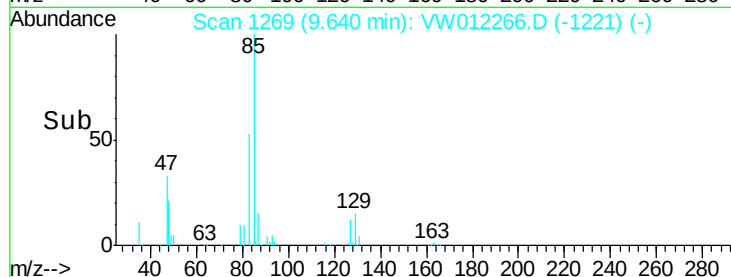
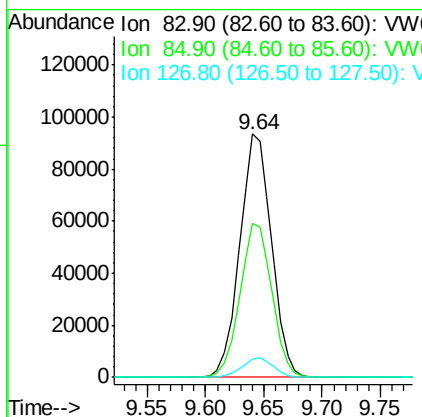
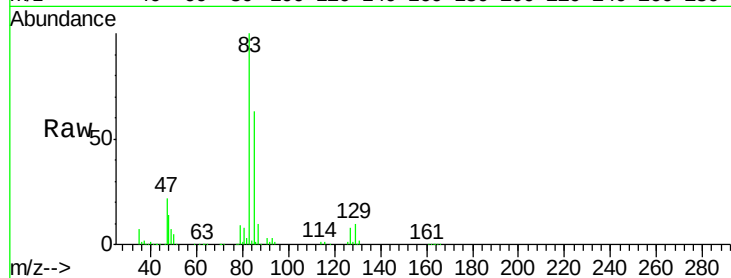
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	177739
Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.4	74.2
127	7.6	6.1	9.1

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#48

Methyl methacrylate

Concen: 61.536 ug/l

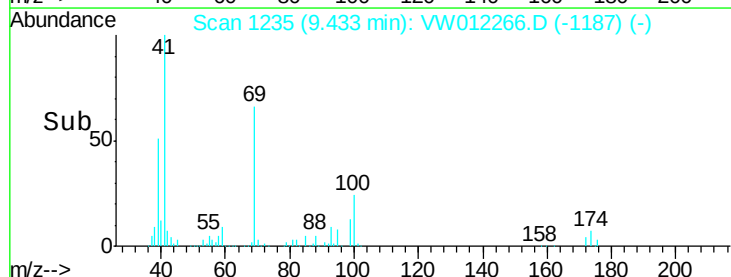
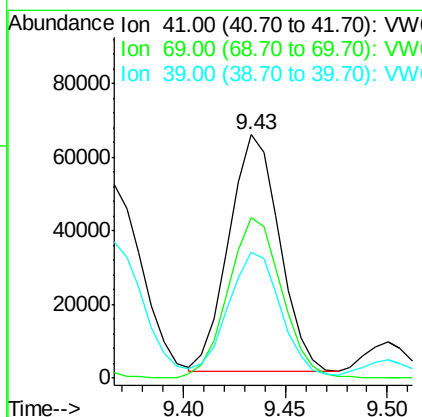
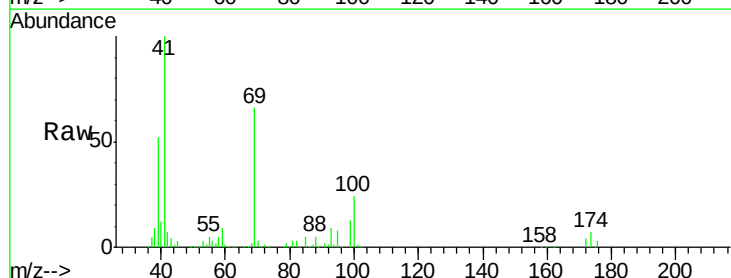
RT: 9.43 min Scan# 1235

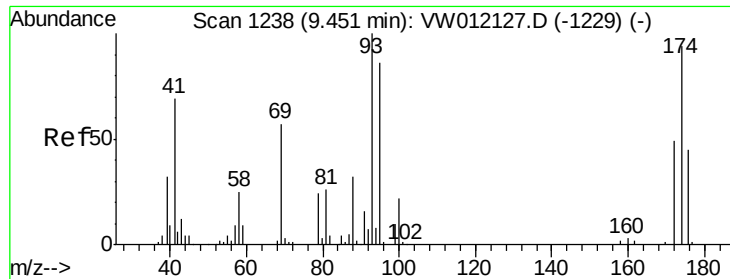
Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion:	41	Resp:	110488
Ion	Ratio	Lower	Upper
41	100		
69	72.4	56.7	85.1
39	52.5	42.0	63.0





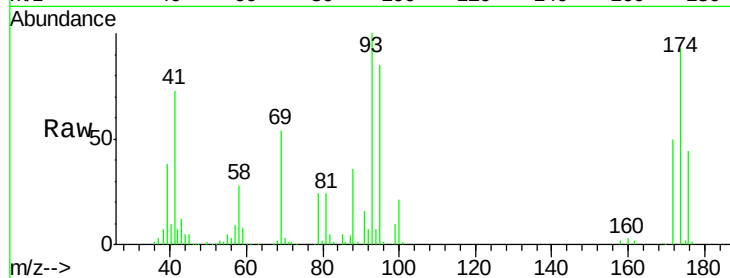
#49
1,4-Dioxane
Concen: 1290.035 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

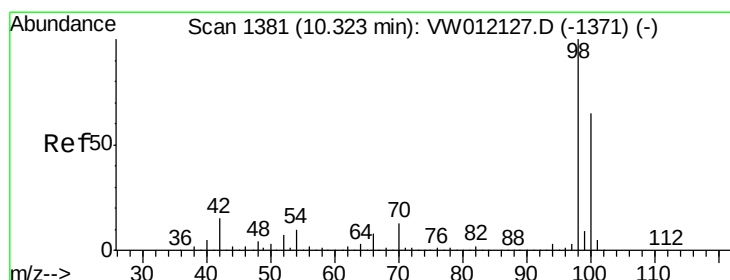
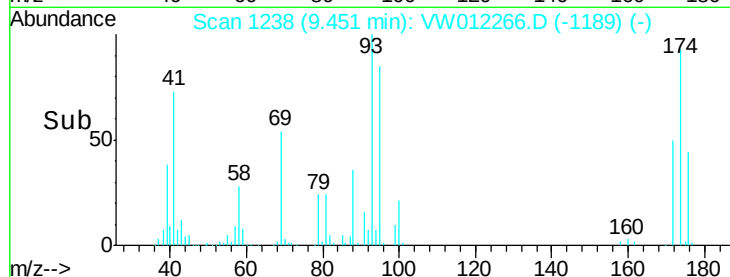
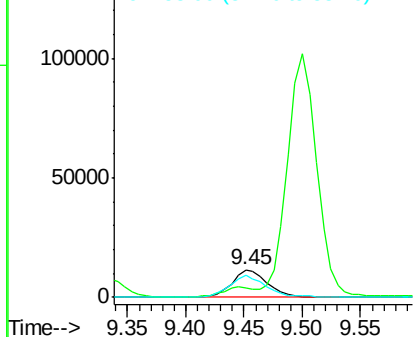
Tot Ion	88	Resp	23999
Ion	Ratio	Lower	Upper
88	100		
43	35.5	32.9	49.3
58	84.5	71.0	106.4

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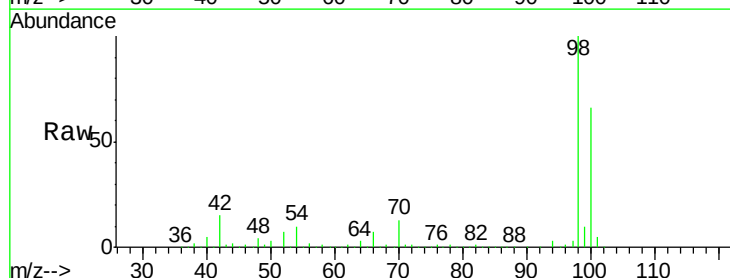


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

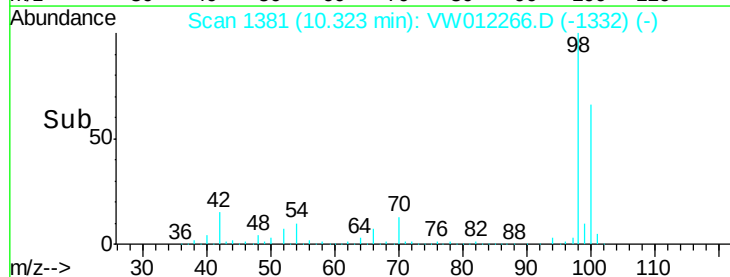
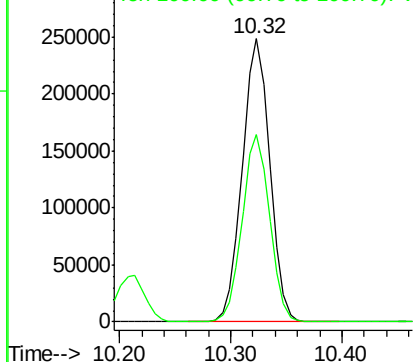


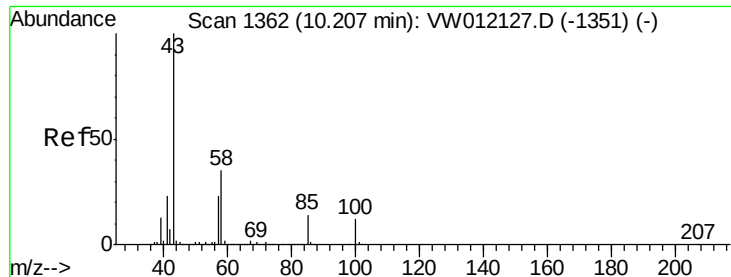
#50
Toluene-d8
Concen: 49.054 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	98	Resp	426986
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





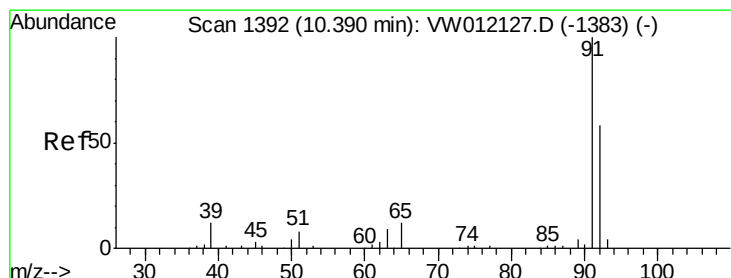
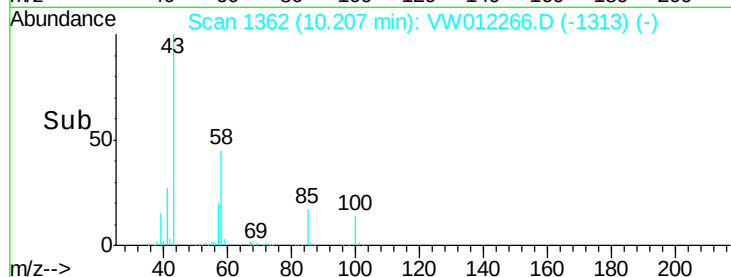
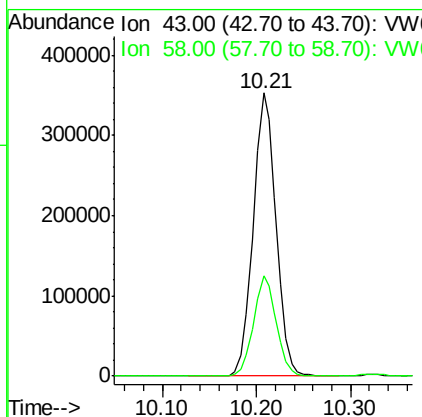
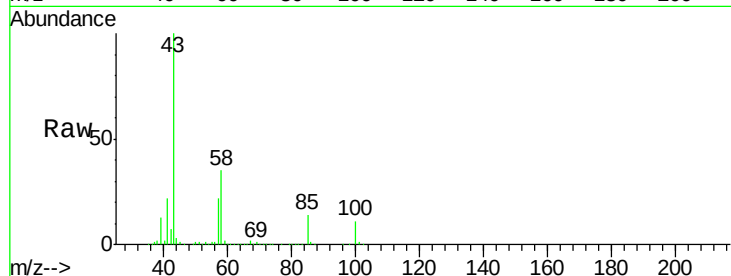
#51
 4-Methyl-2-Pentanone
 Concen: 314.116 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	602723
Ion Ratio	100	Lower	Upper
43	100		
58	35.2	28.2	42.2

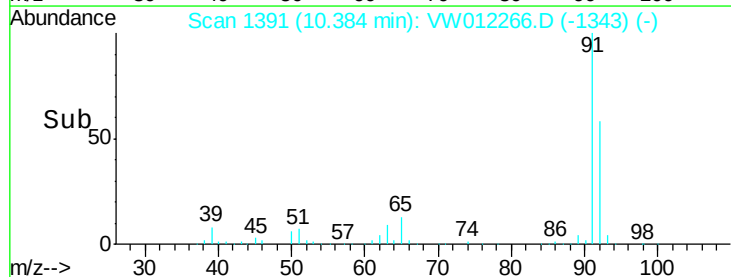
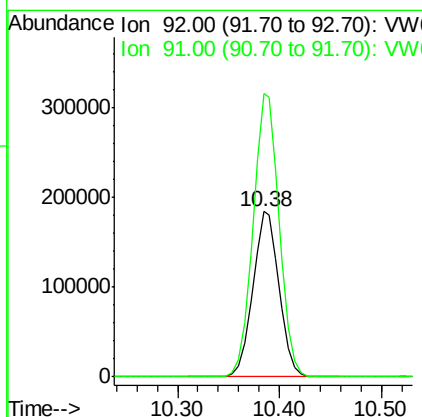
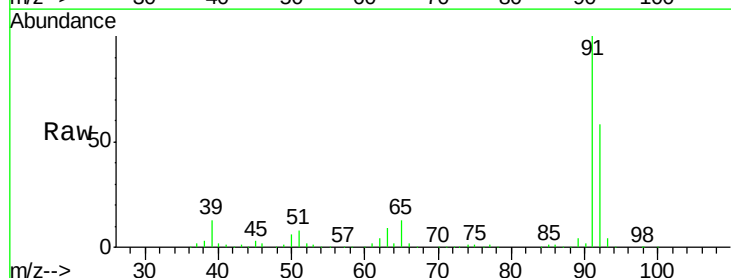
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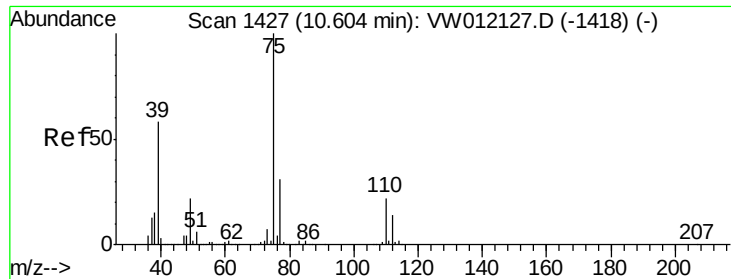
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#52
 Toluene
 Concen: 53.889 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	92	Resp	328537
Ion Ratio	100	Lower	Upper
92	100		
91	171.4	136.6	204.8





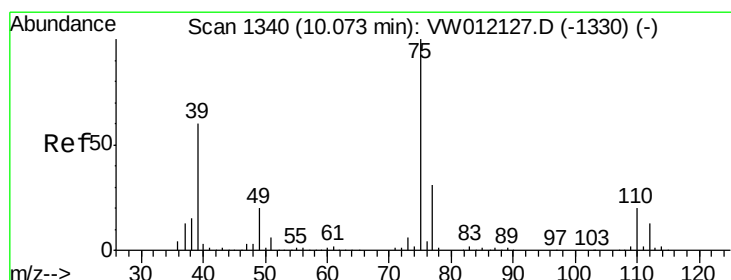
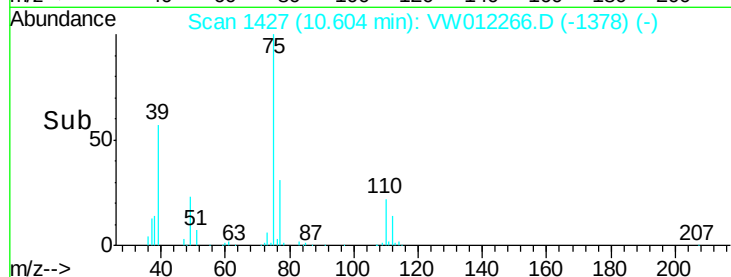
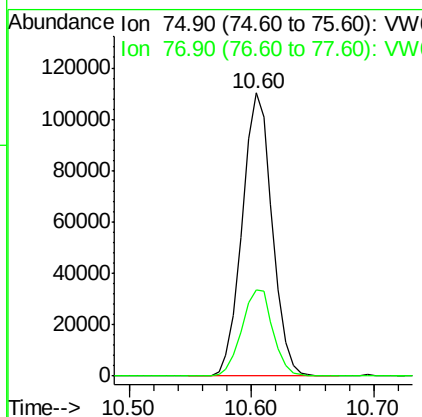
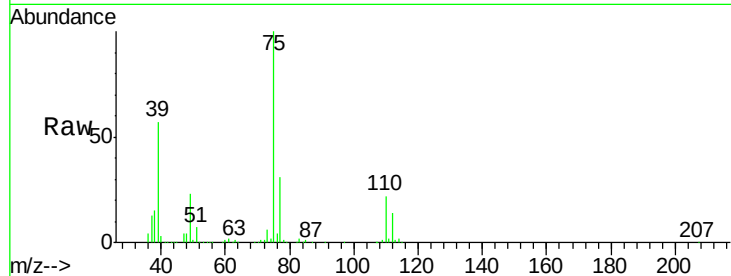
#53
t-1,3-Dichloropropene
Concen: 56.874 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.4

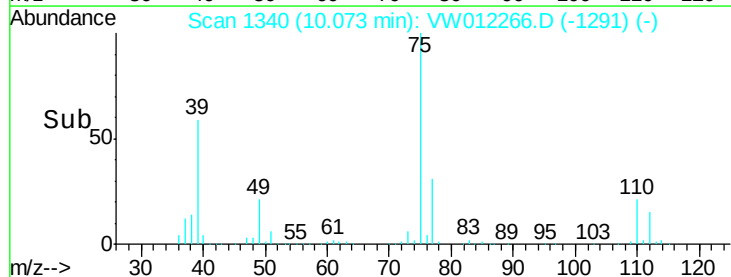
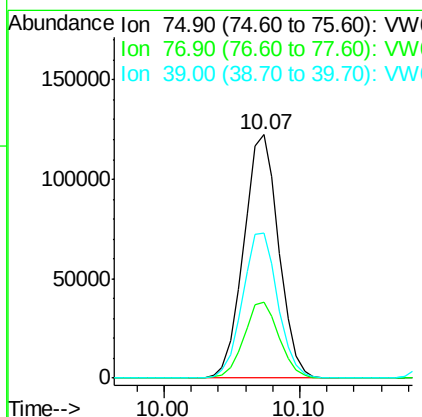
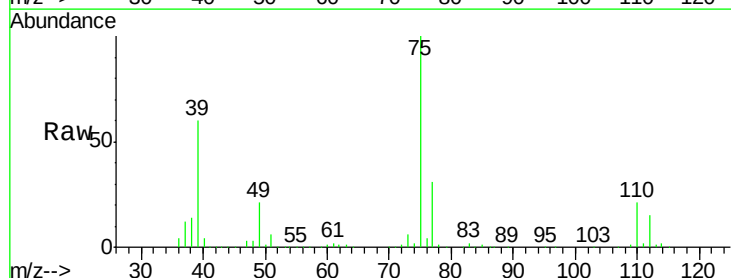
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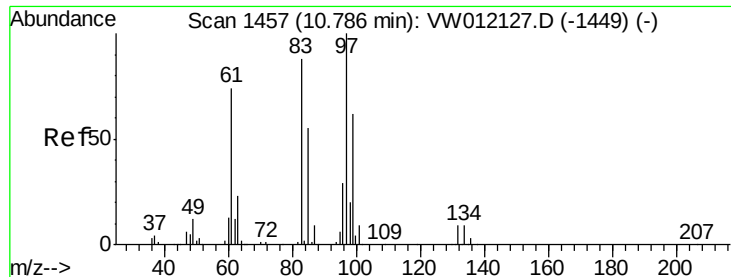
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#54
cis-1,3-Dichloropropene
Concen: 55.474 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	59.5	48.3	72.5





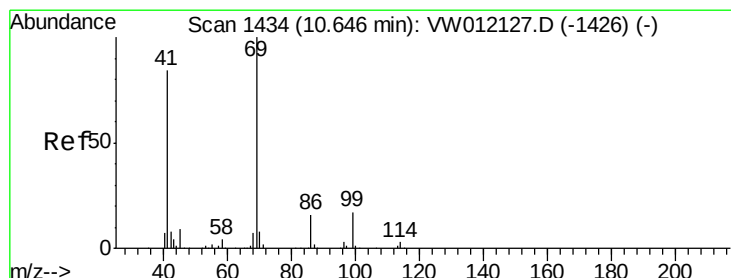
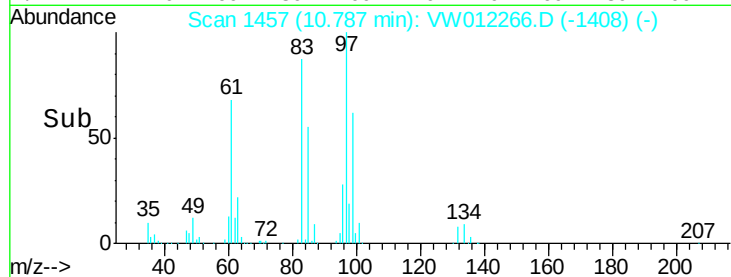
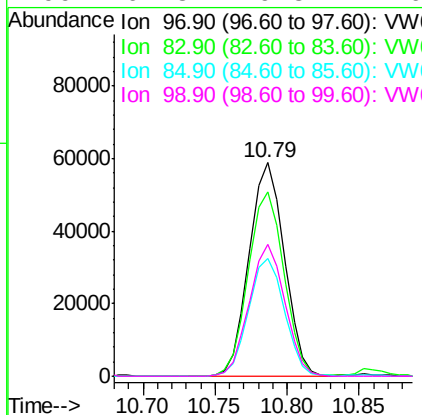
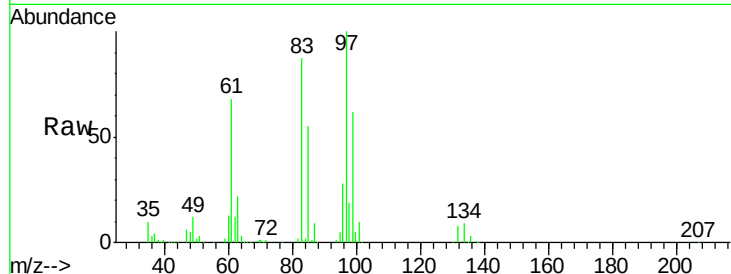
#55
 1,1,2-Trichloroethane
 Concen: 57.924 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	99592
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.8	106.2
85	54.9	43.8	65.8
99	61.8	49.8	74.6

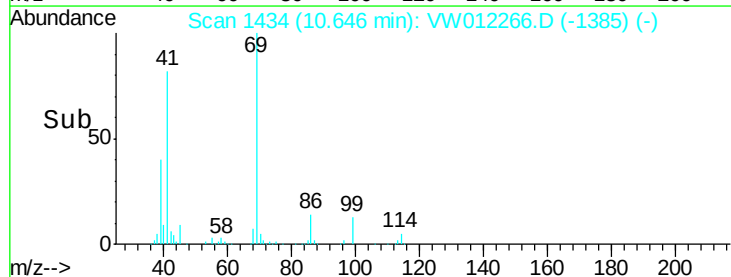
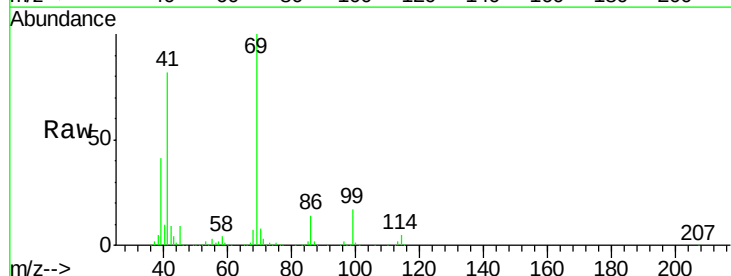
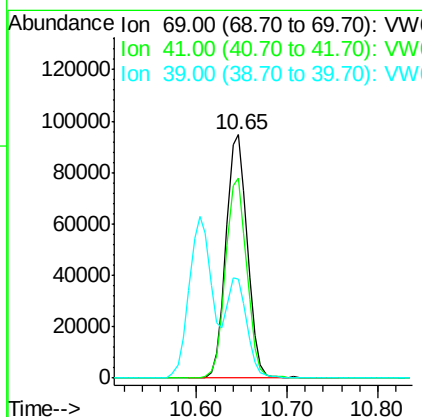
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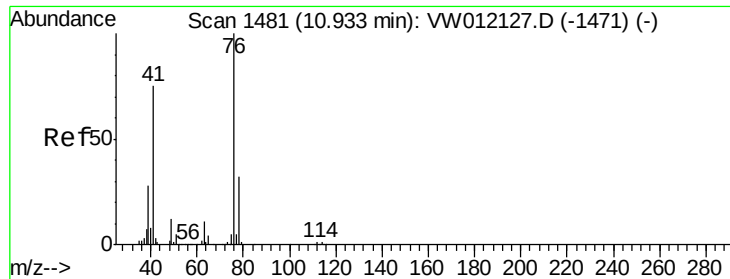
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#56
 Ethyl methacrylate
 Concen: 62.192 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion:	69	Resp:	155627
Ion	Ratio	Lower	Upper
69	100		
41	81.1	66.5	99.7
39	37.4	31.0	46.4





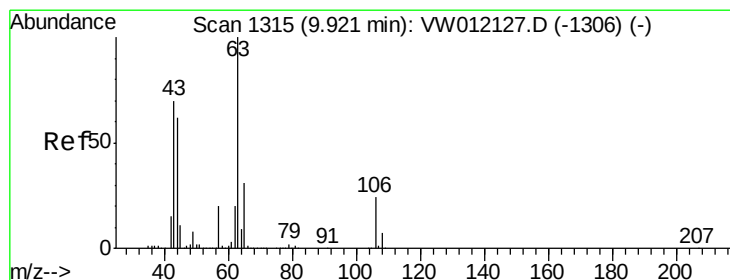
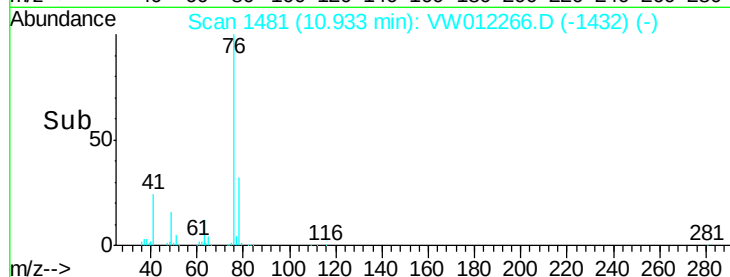
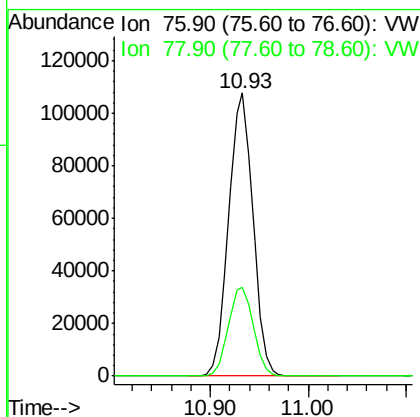
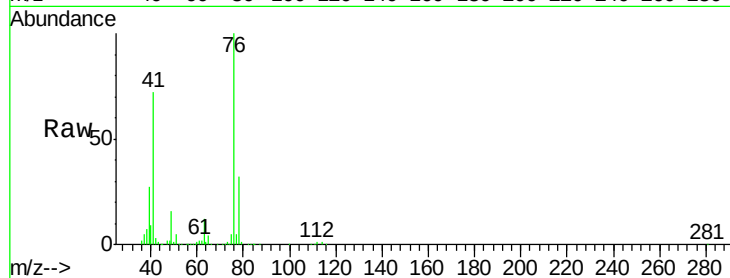
#57
 1,3-Dichloropropane
 Concen: 57.082 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

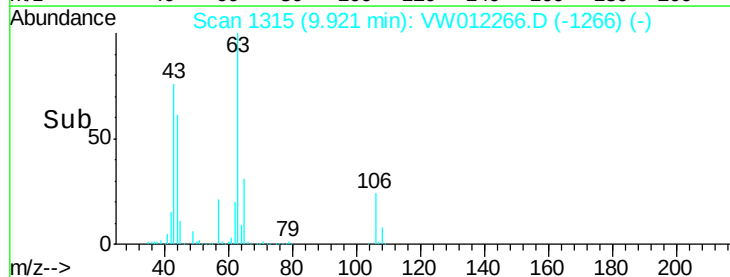
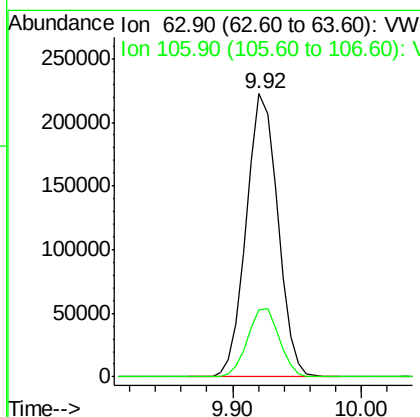
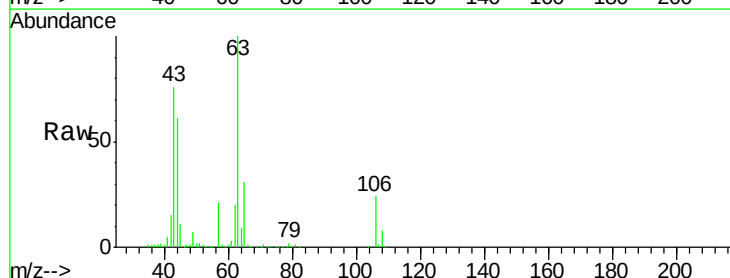
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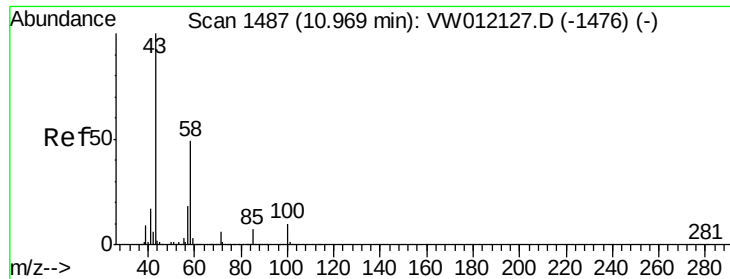
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#58
 2-Chloroethyl Vinyl ether
 Concen: 292.860 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	19.8	29.8





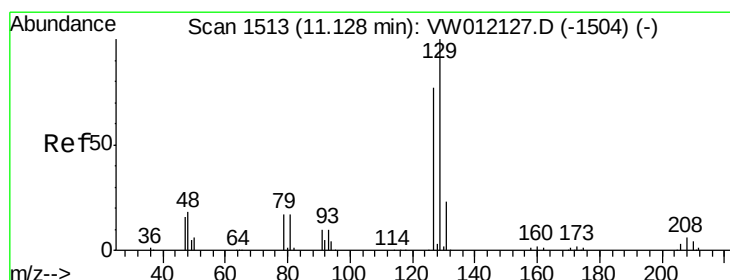
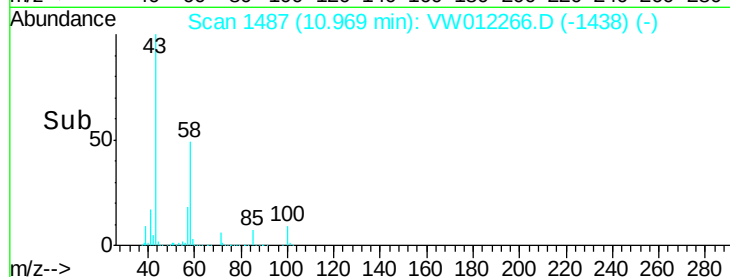
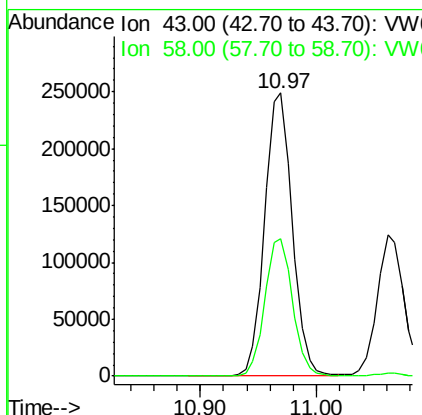
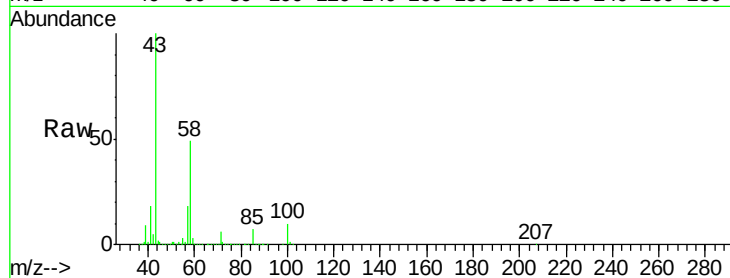
#59
2-Hexanone
Concen: 303.144 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 411569
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9

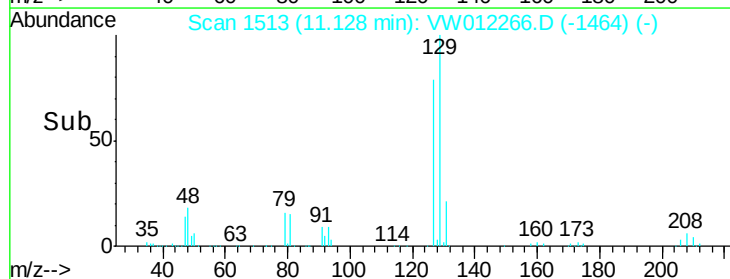
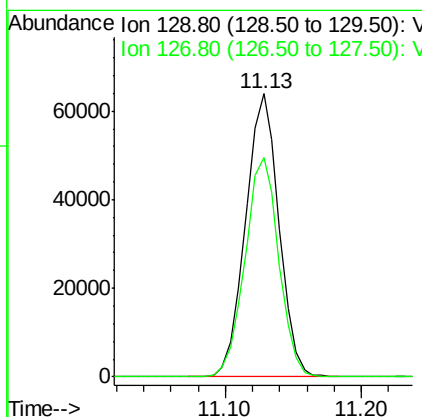
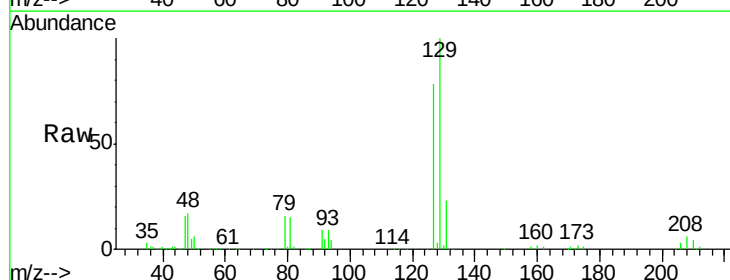
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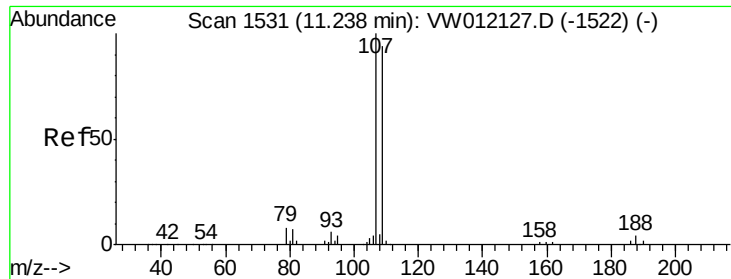
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#60
Dibromochloromethane
Concen: 57.459 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion: 129 Resp: 110038
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





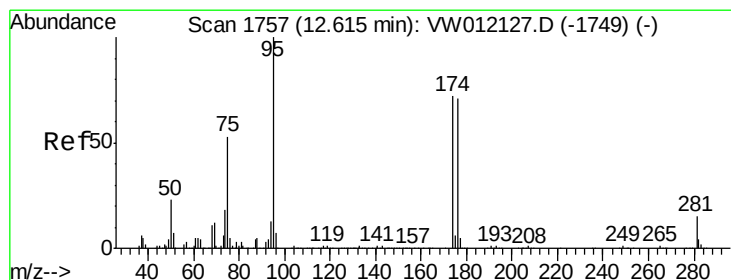
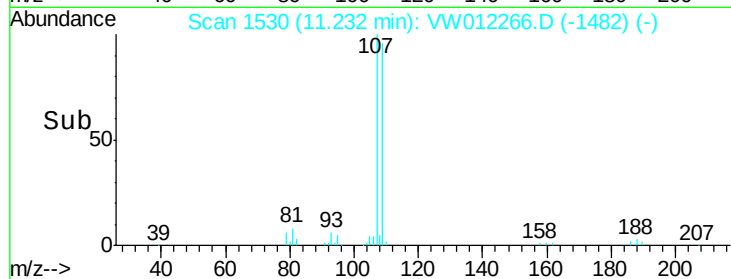
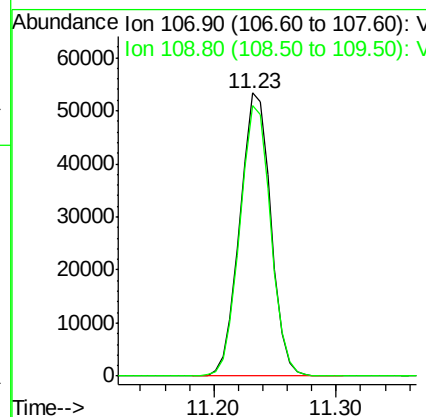
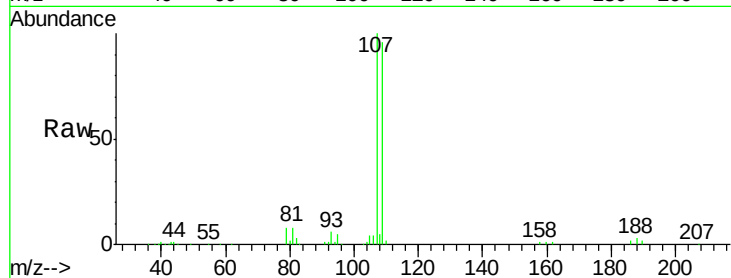
#61
 1,2-Dibromoethane
 Concen: 58.223 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.4	113.2

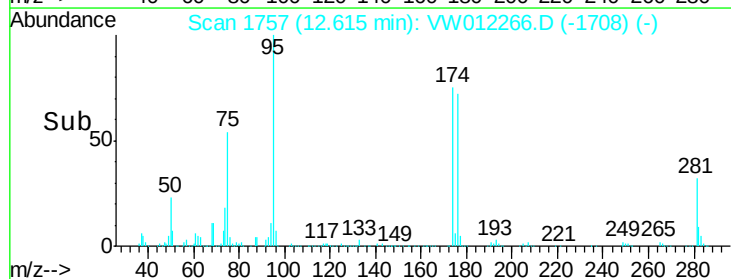
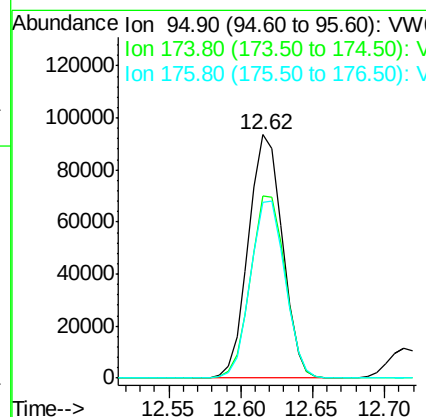
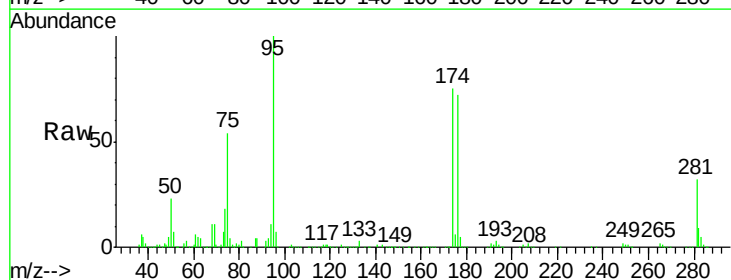
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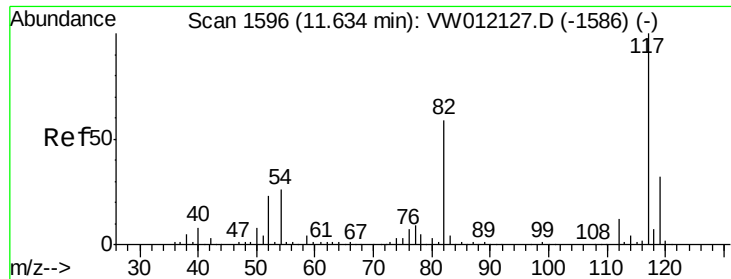
MMDadoda
 8/29/2019 9:41:46 AM



#62
 4-Bromofluorobenzene
 Concen: 49.869 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	150.8
176	73.9	0.0	148.6





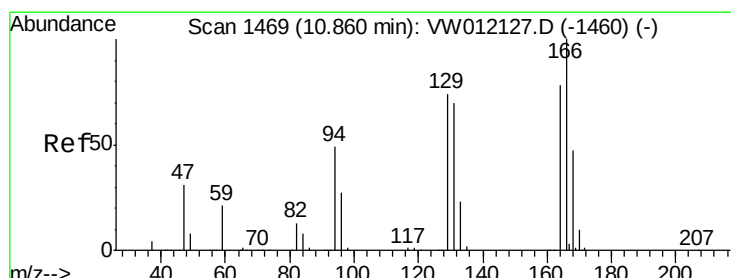
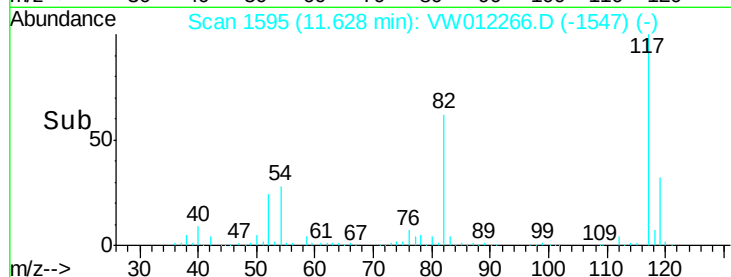
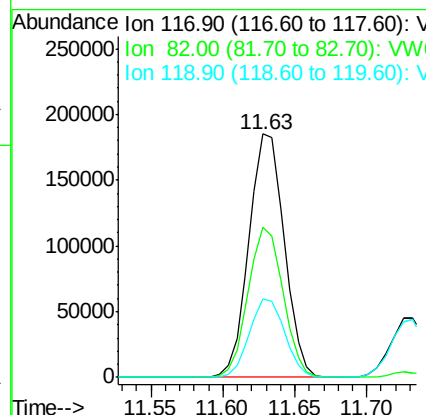
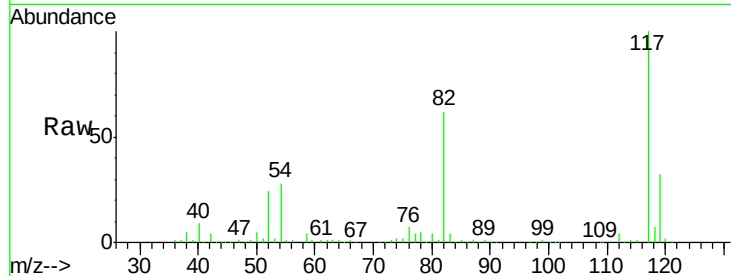
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	314408		
82	61.9	47.4	71.2	
119	32.3	25.4	38.2	

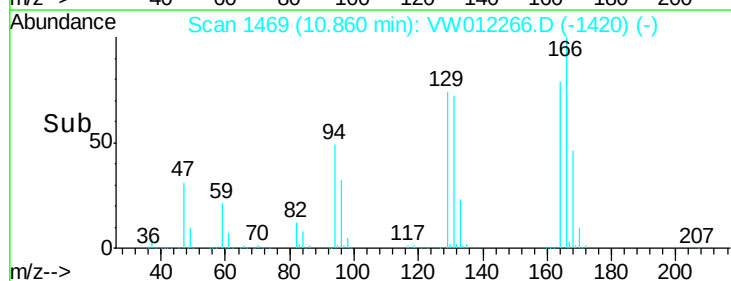
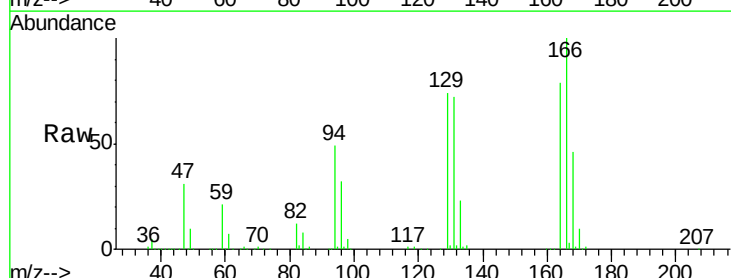
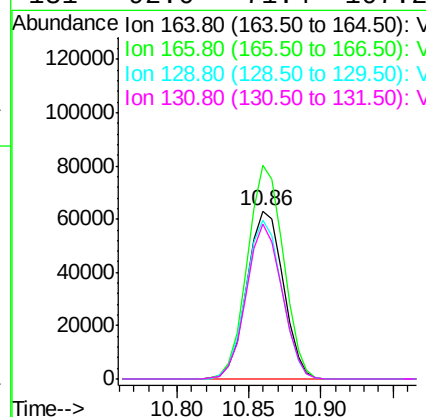
Manual Integrations
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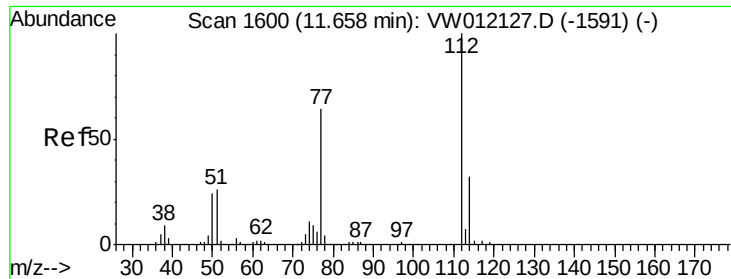
MMDadoda
8/29/2019 9:41:46 AM



#64
Tetrachloroethene
Concen: 54.047 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110169		
166	127.0	102.4	153.6	
129	94.1	75.8	113.6	
131	92.0	71.4	107.2	





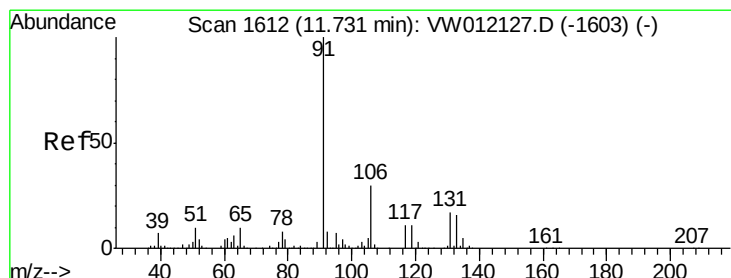
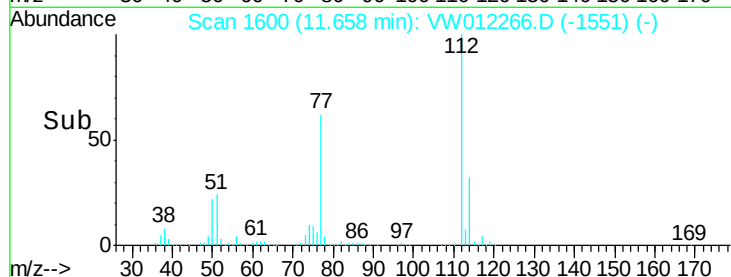
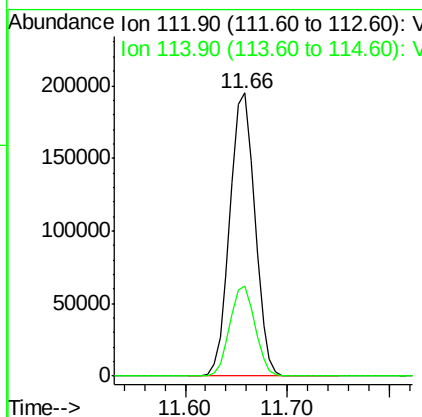
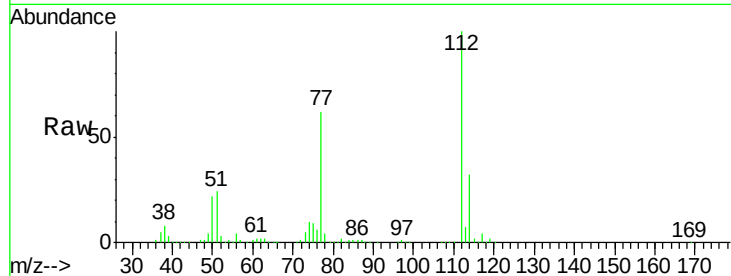
#65
Chlorobenzene
Concen: 53.415 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

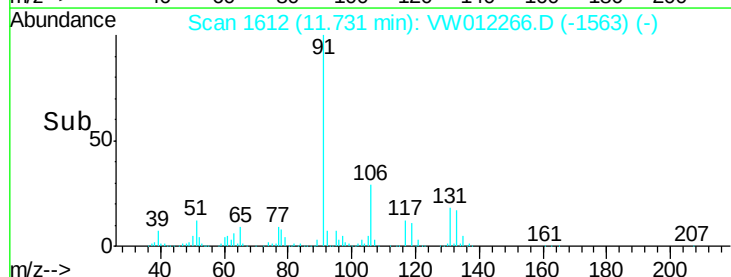
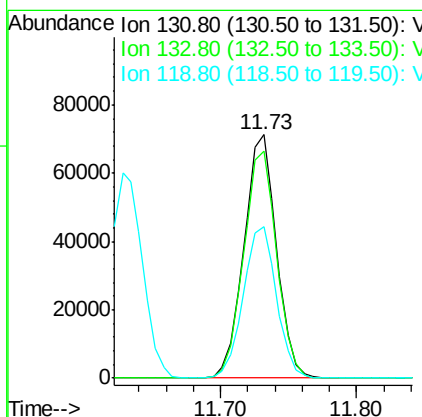
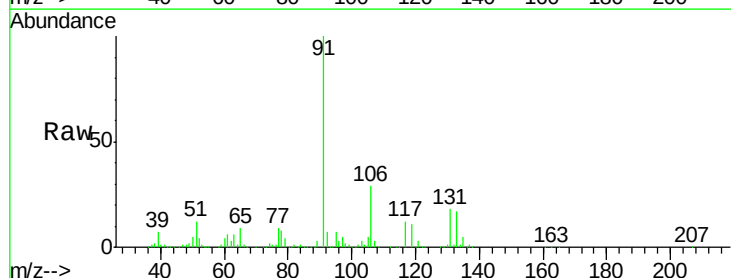
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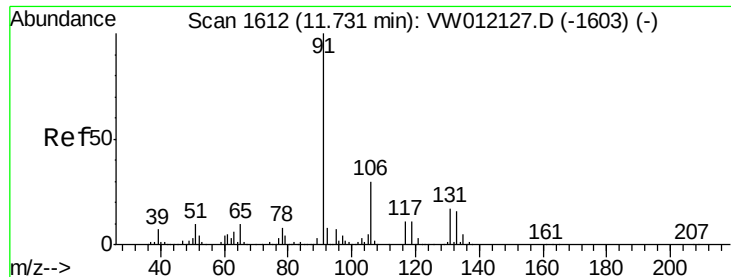
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.088 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.1	141.3
119	63.6	31.8	95.3





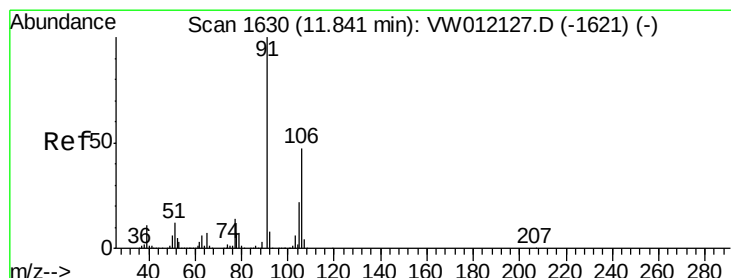
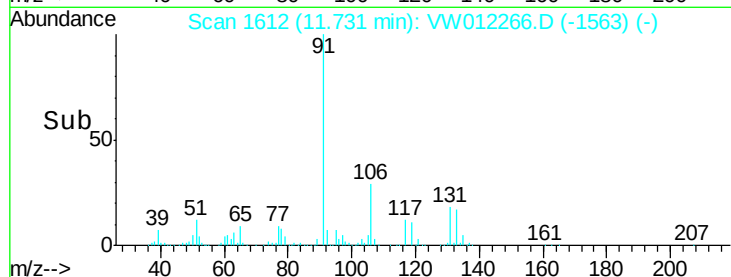
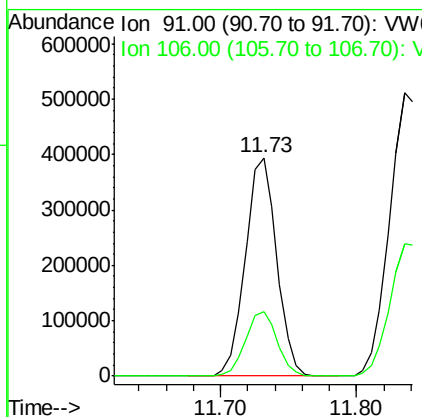
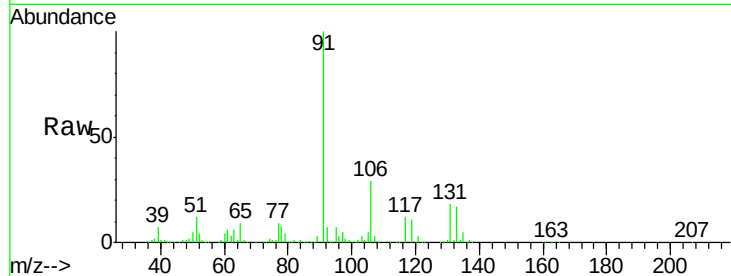
#67
Ethyl Benzene
Concen: 53.326 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.3	36.5

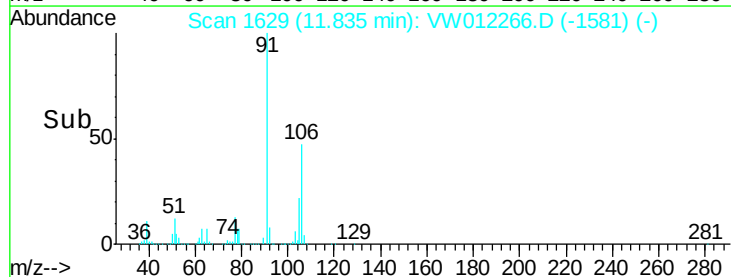
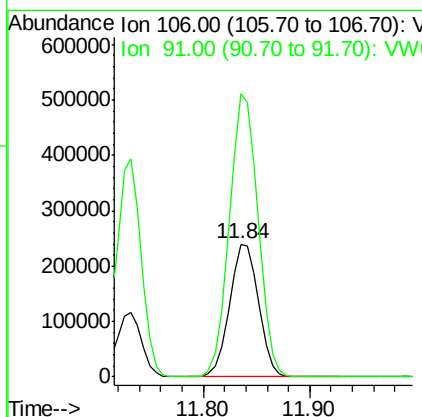
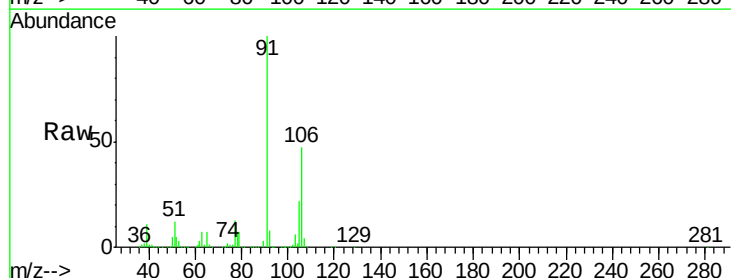
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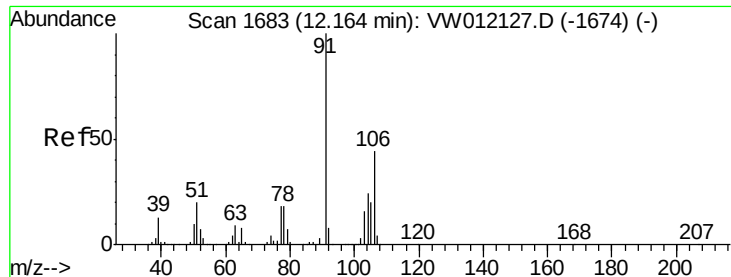
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#68
m/p-Xylenes
Concen: 106.097 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.2	169.5	254.3





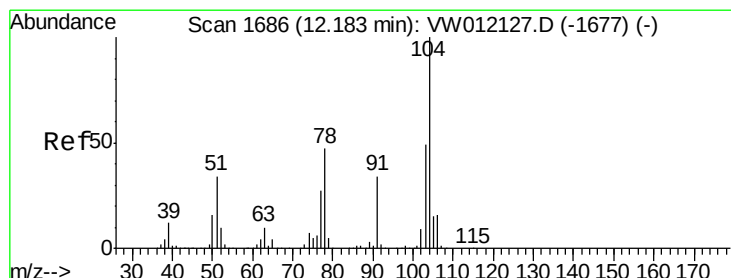
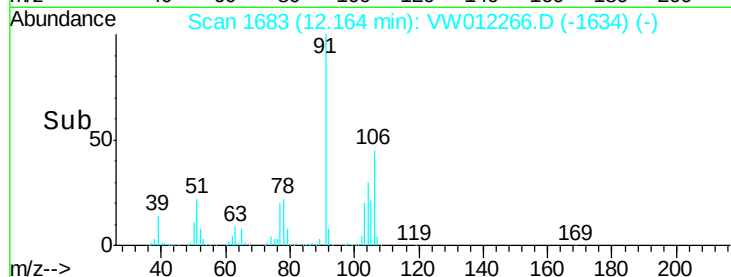
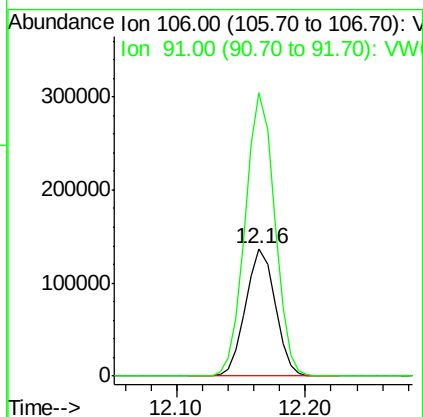
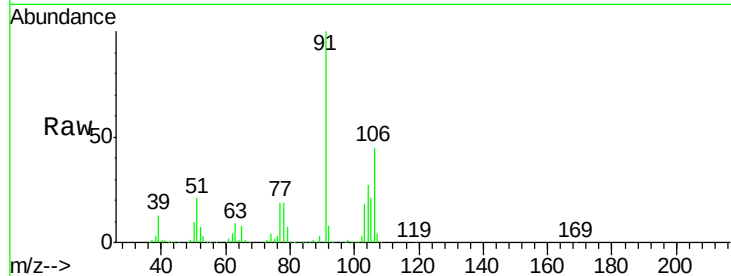
#69
o-Xylene
Concen: 54.691 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		217449		
91	221.3	111.6	334.6		

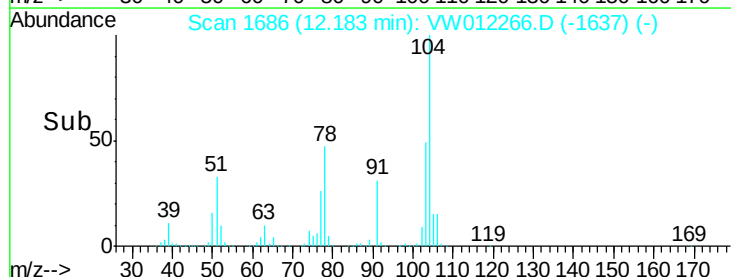
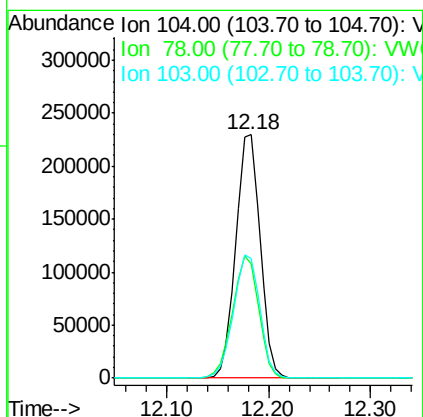
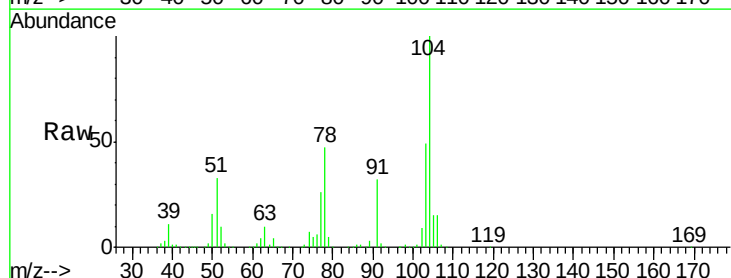
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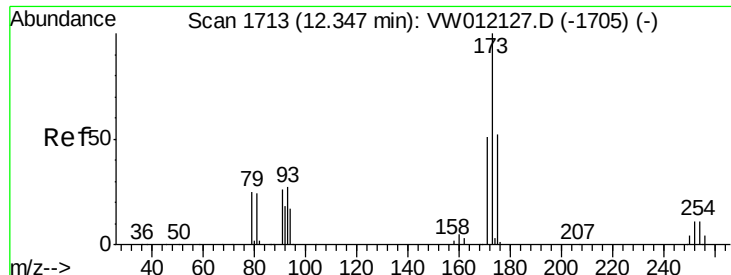
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#70
Styrene
Concen: 55.060 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		378919		
78	53.8	43.1	64.7		
103	54.5	43.5	65.3		





#71

Bromoform

Concen: 59.355 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 63870

Ion Ratio Lower Upper

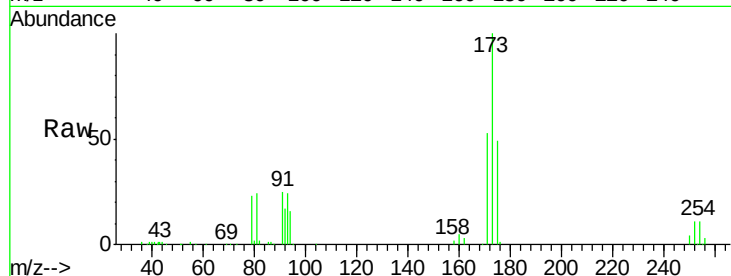
173 100

175 48.7 24.6 74.0

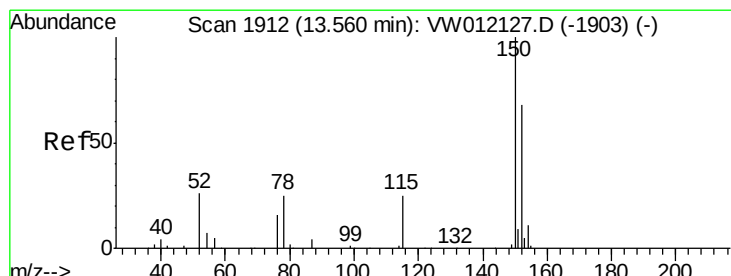
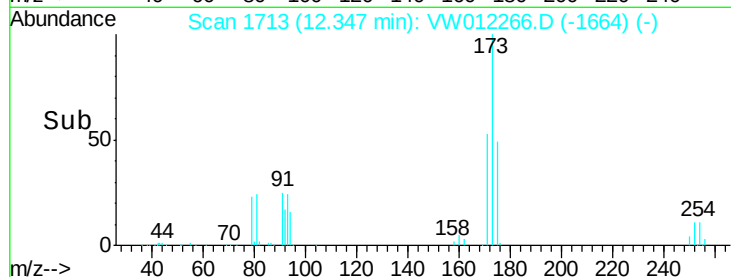
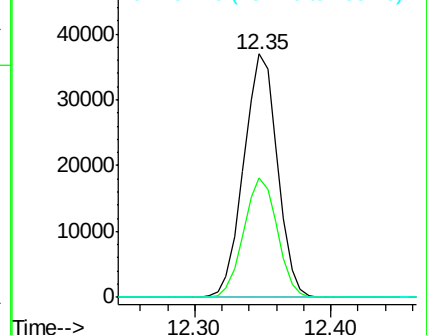
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

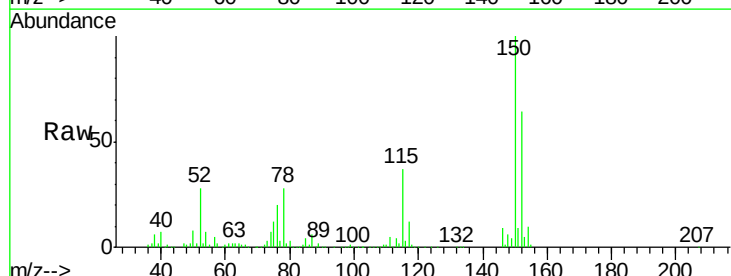
Tgt Ion:152 Resp: 151883

Ion Ratio Lower Upper

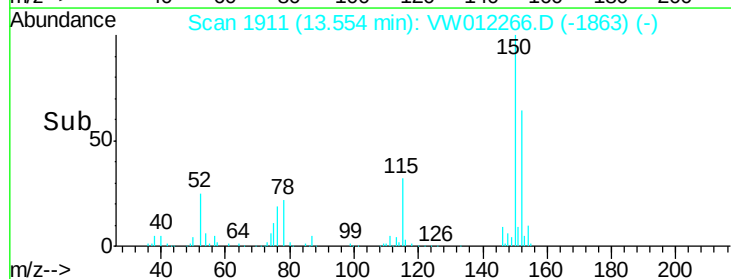
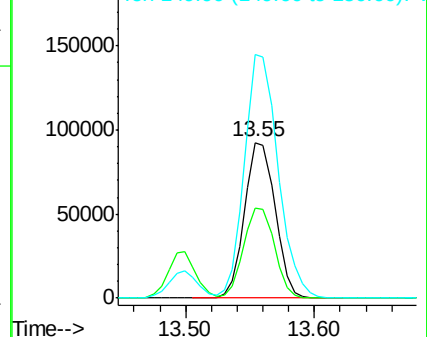
152 100

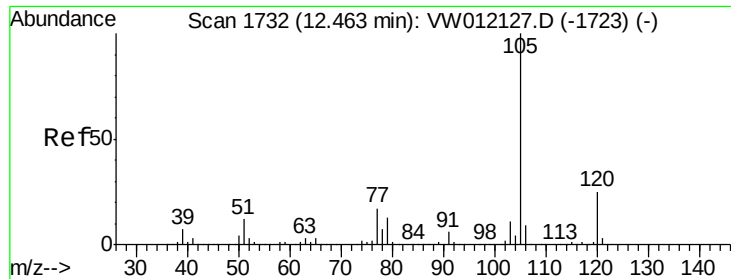
115 58.6 30.1 90.3

150 172.0 0.0 345.8



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





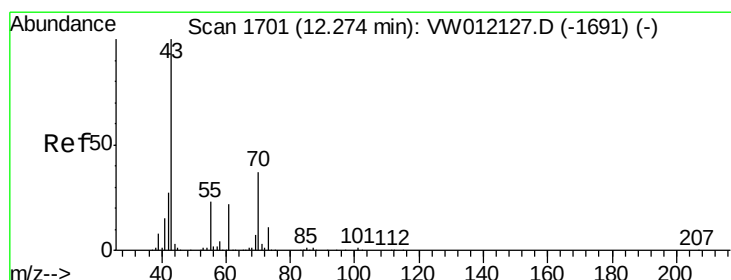
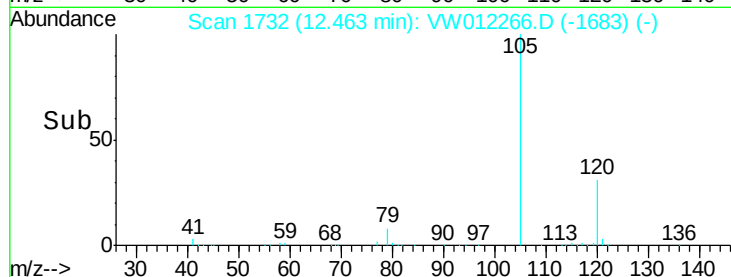
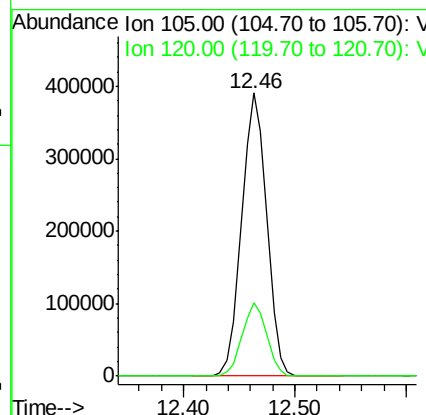
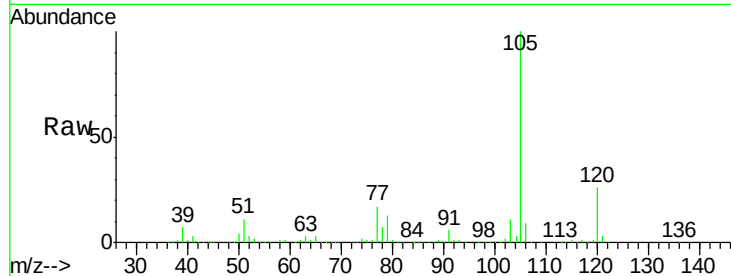
#73
Isopropylbenzene
Concen: 53.190 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.5	37.5

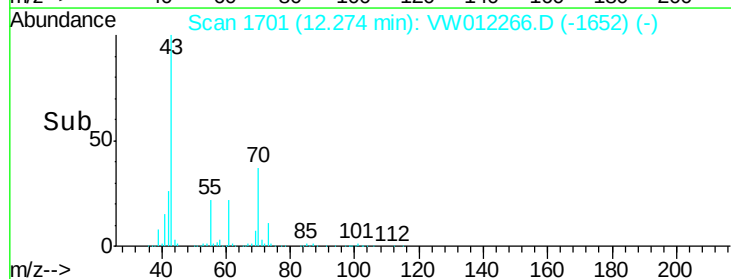
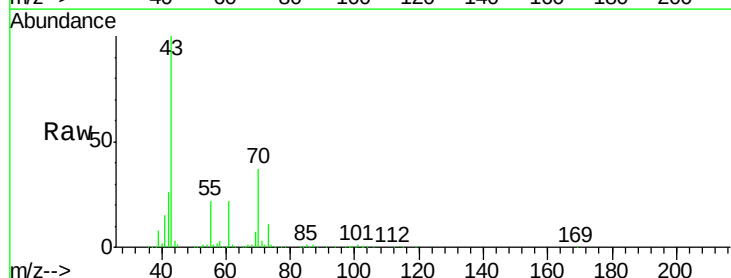
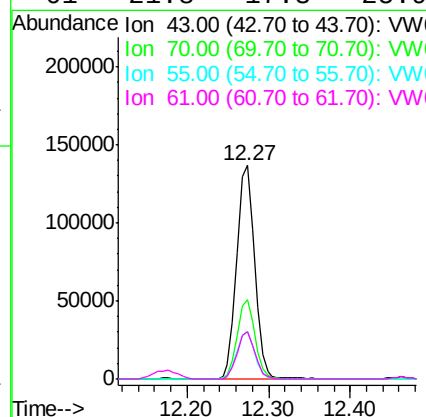
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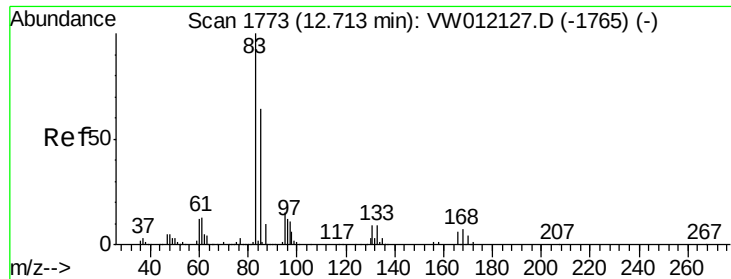
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#74
N-ethyl acetate
Concen: 60.113 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.6	28.6	43.0
55	22.3	17.8	26.6
61	21.8	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 58.444 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

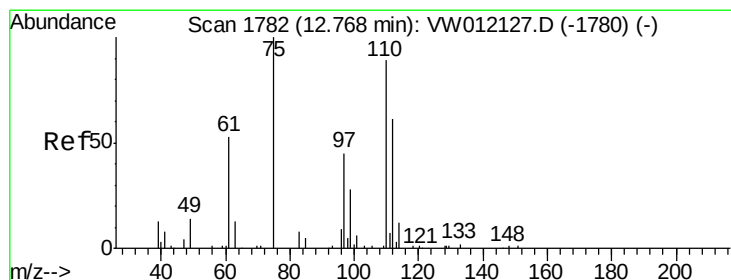
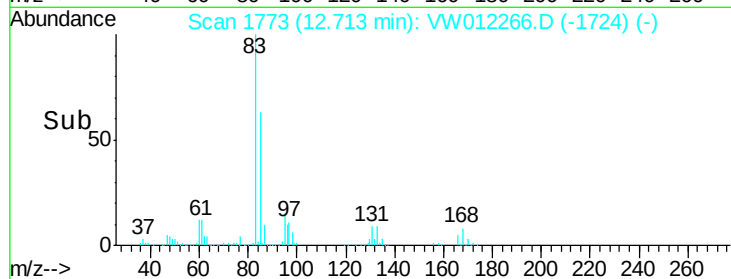
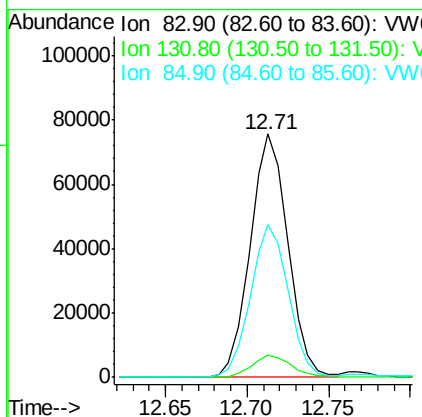
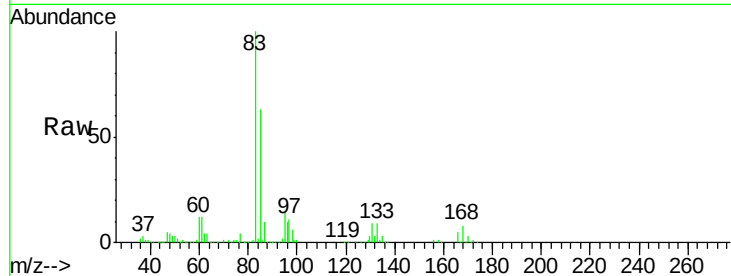
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121939
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	62.8	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 55.371 ug/l m

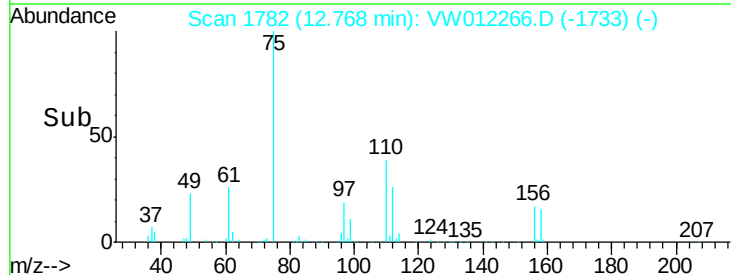
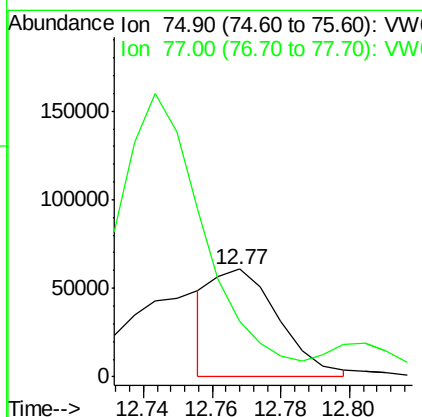
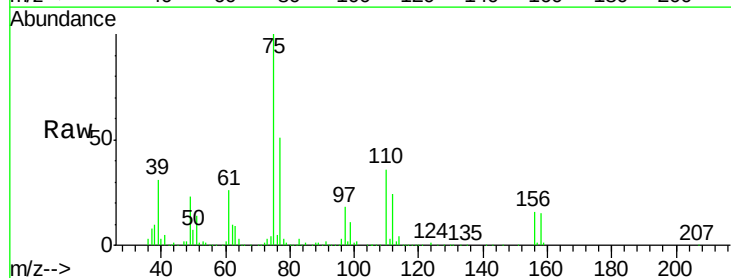
RT: 12.77 min Scan# 1782

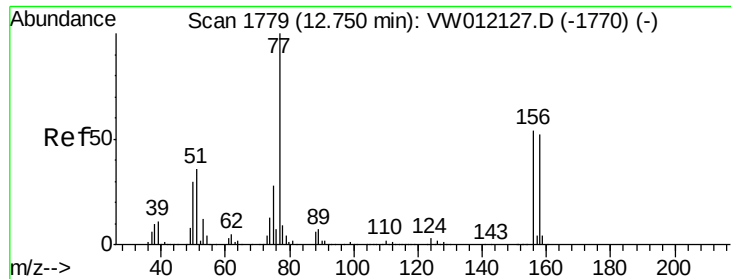
Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion:	75	Resp:	81907
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.825 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

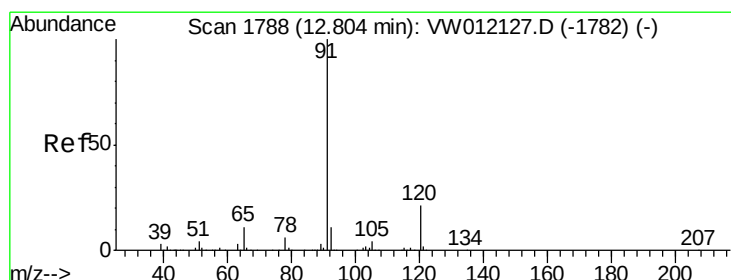
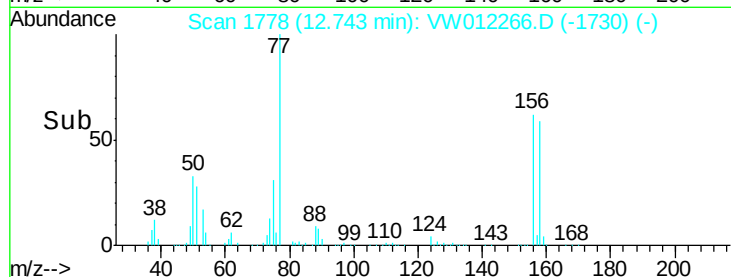
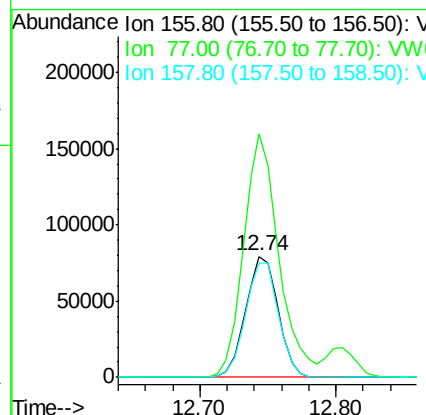
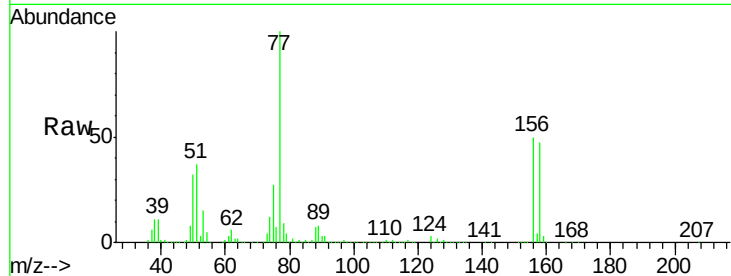
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.1	107.3	321.8
158	96.5	49.0	147.0

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#78

n-propylbenzene

Concen: 52.576 ug/l

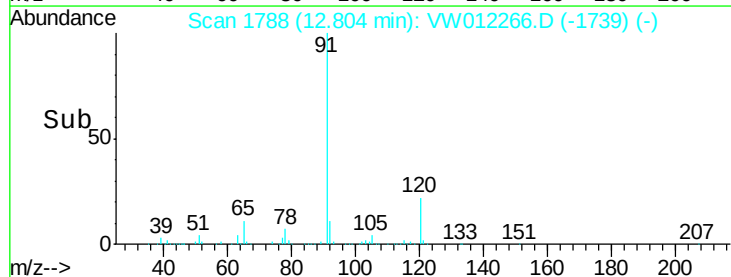
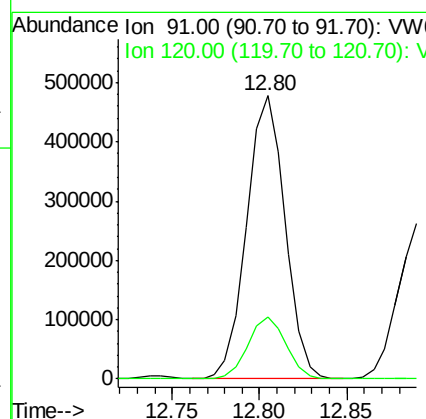
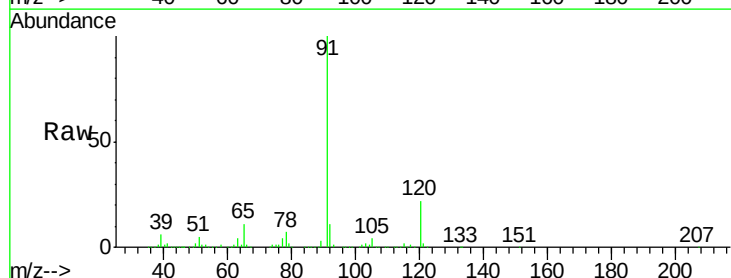
RT: 12.80 min Scan# 1788

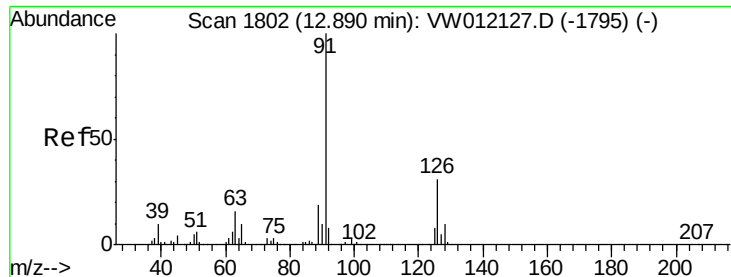
Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.5	31.6





#79

2-Chlorotoluene

Concen: 52.715 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 415819

Ion Ratio Lower Upper

91 100

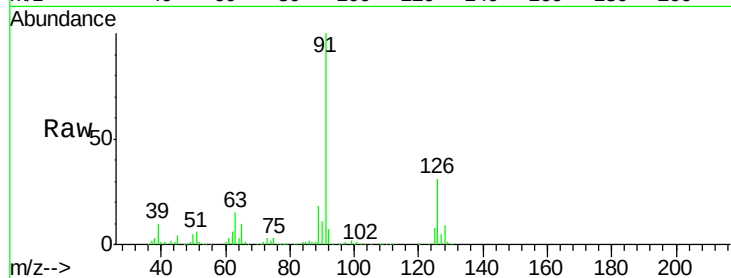
126 31.6 15.7 47.0

Manual Integrations

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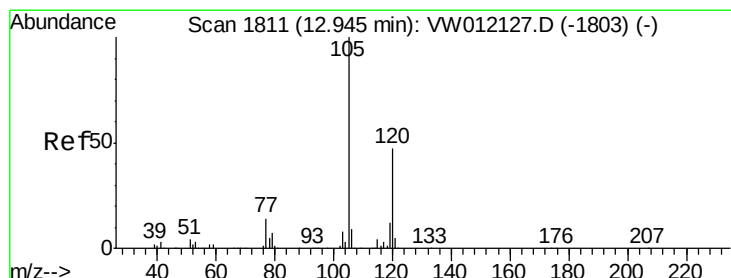
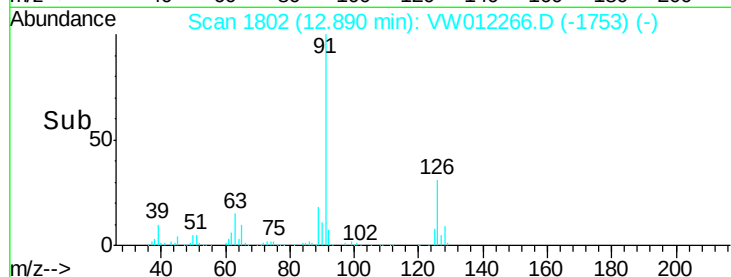
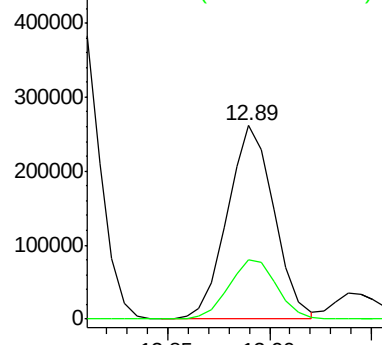
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.106 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012266.D

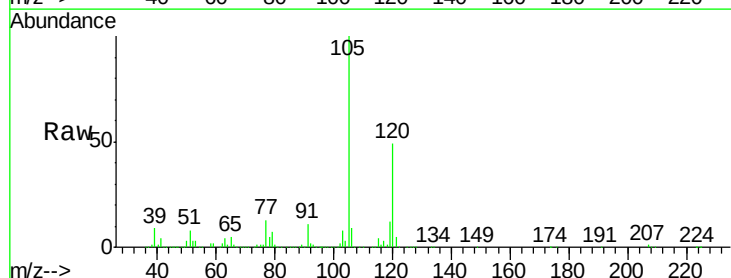
Acq: 28 Aug 2019 20:50

Tgt Ion:105 Resp: 505028

Ion Ratio Lower Upper

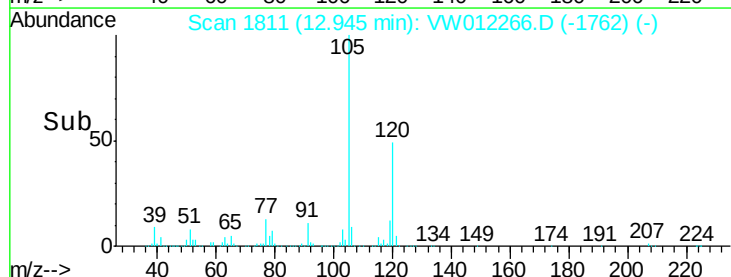
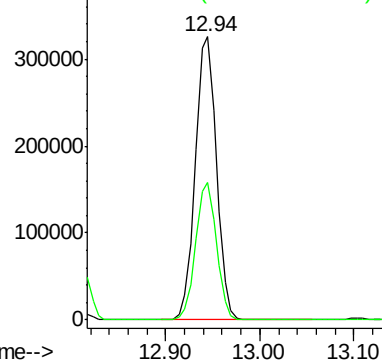
105 100

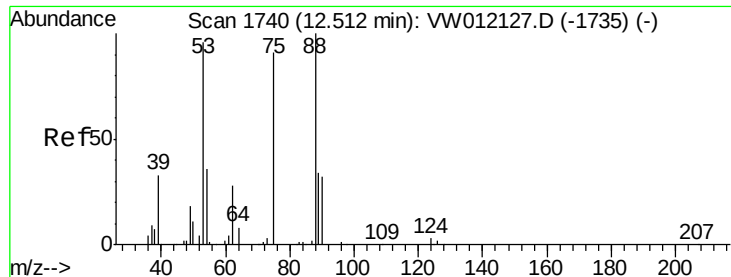
120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





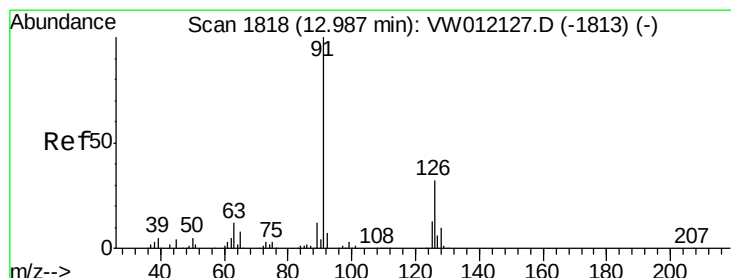
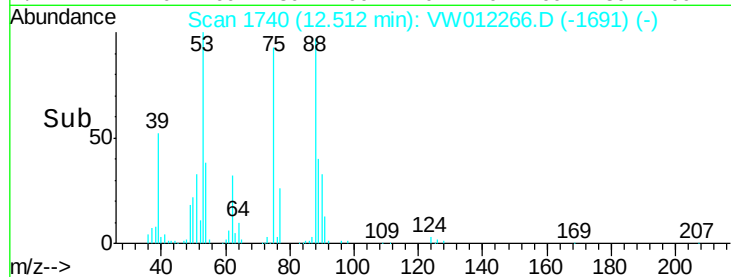
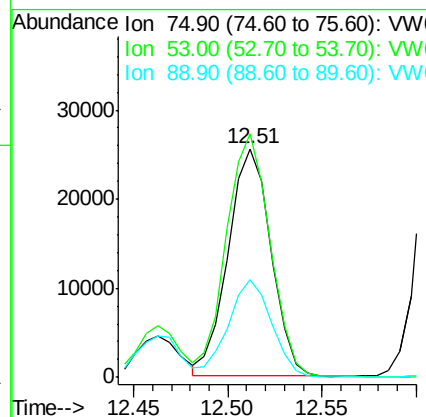
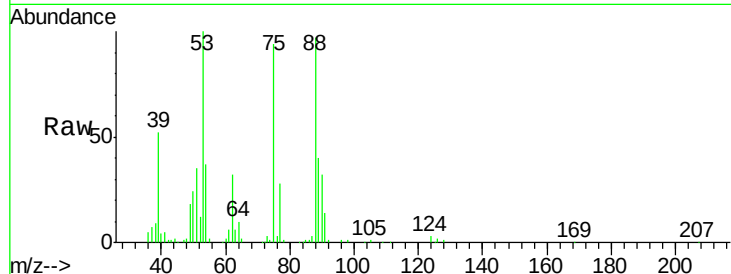
#81
trans-1,4-Dichloro-2-butene
Concen: 59.698 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.6	89.4	134.0
89	43.8	34.5	51.7

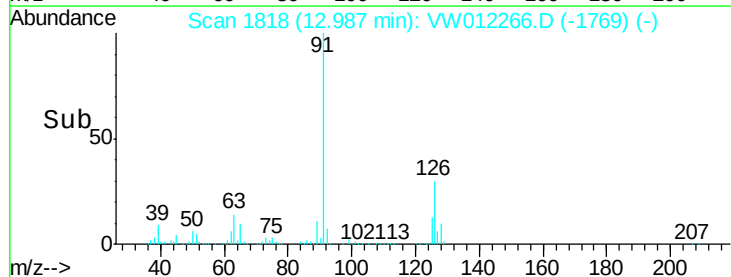
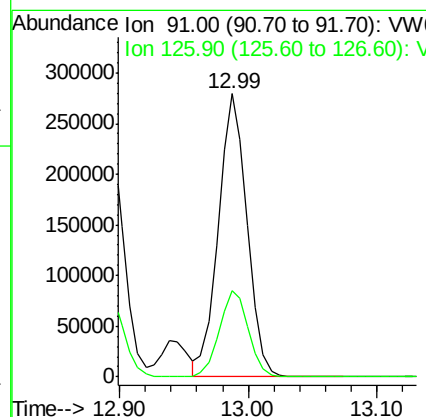
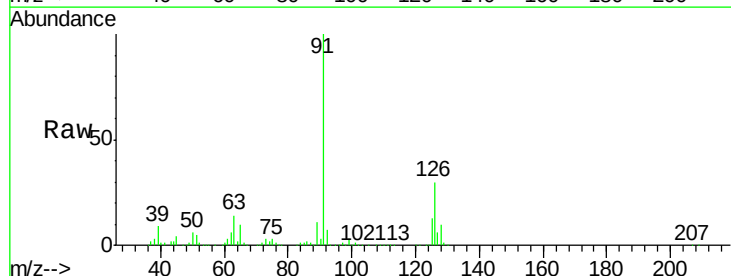
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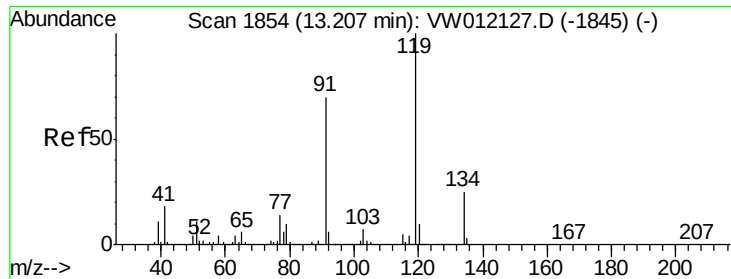
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#82
4-Chlorotoluene
Concen: 52.584 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





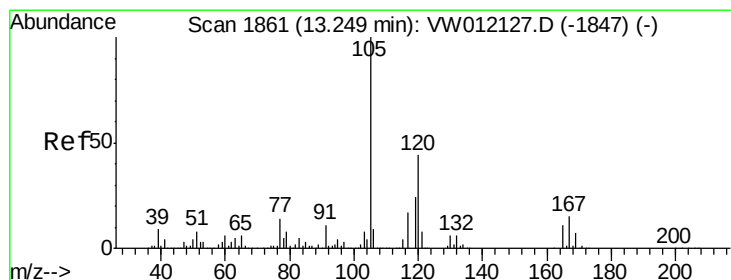
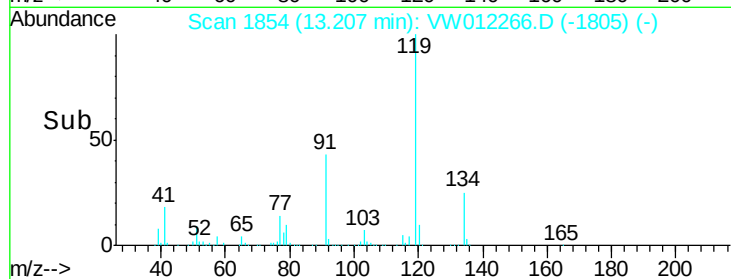
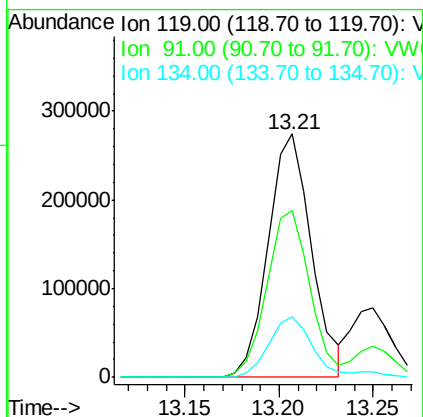
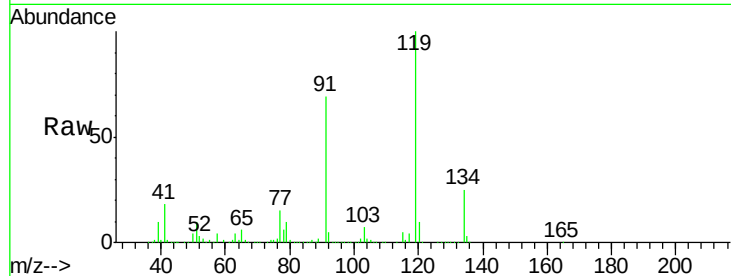
#83
 tert-Butylbenzene
 Concen: 54.225 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.8	104.3
134	24.7	13.3	39.8

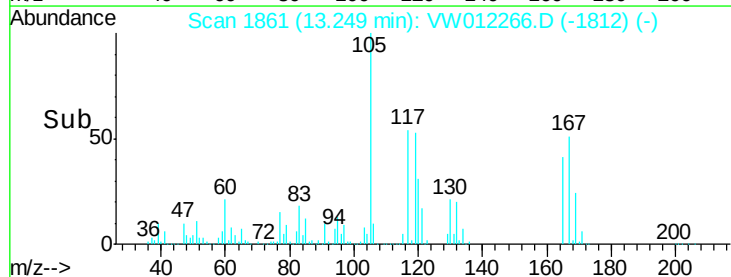
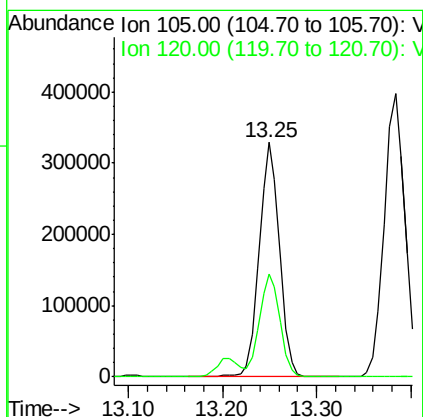
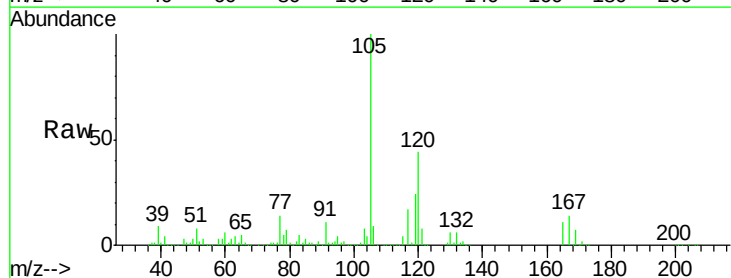
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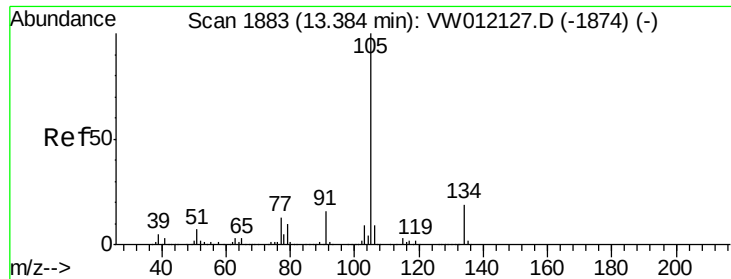
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.484 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.9	65.7





#85

sec-Butylbenzene

Concen: 52.731 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 608572

Ion Ratio Lower Upper

105 100

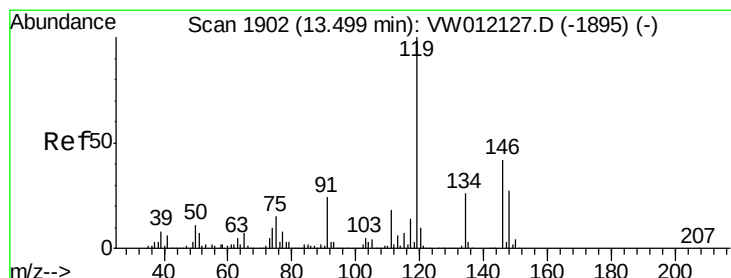
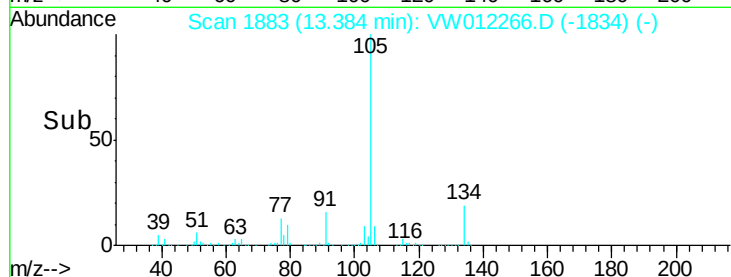
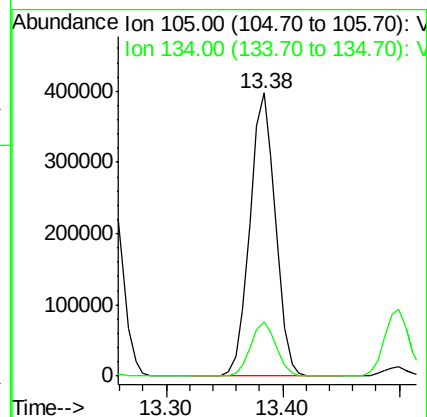
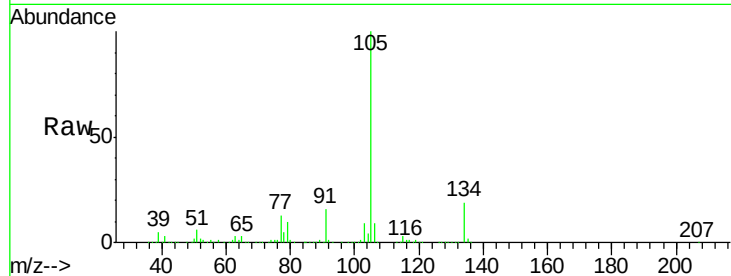
134 19.3 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 53.440 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012266.D

Acq: 28 Aug 2019 20:50

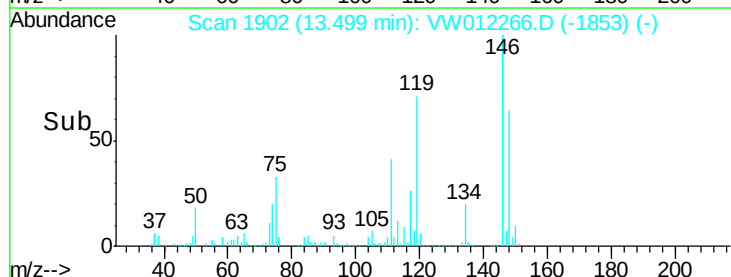
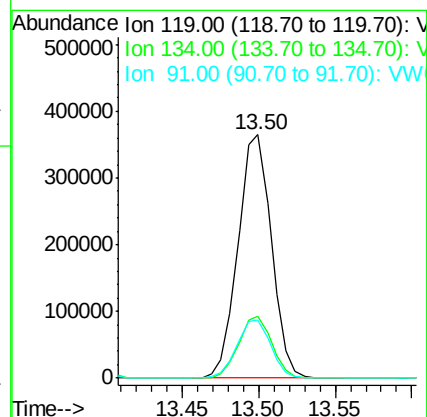
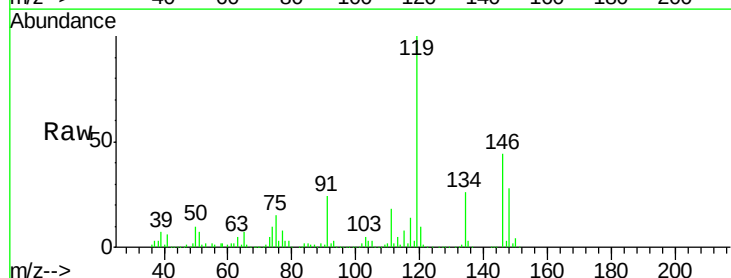
Tgt Ion:119 Resp: 550795

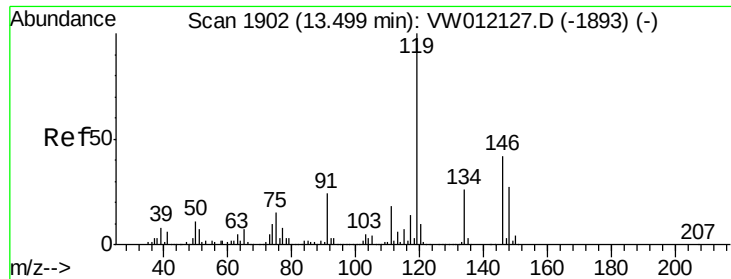
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.1 12.3 36.9





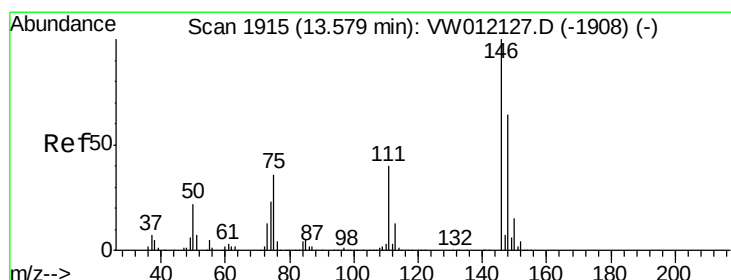
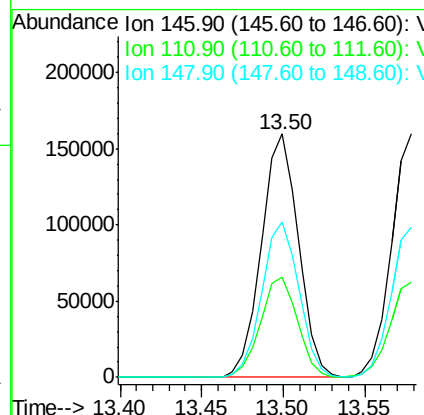
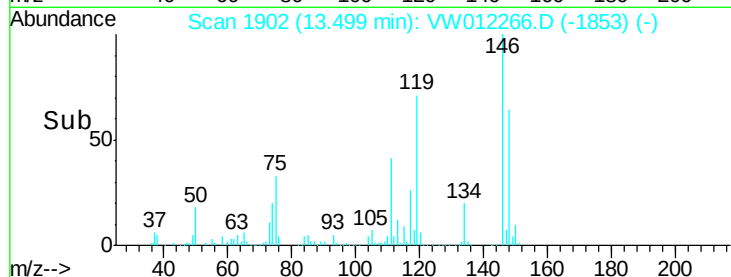
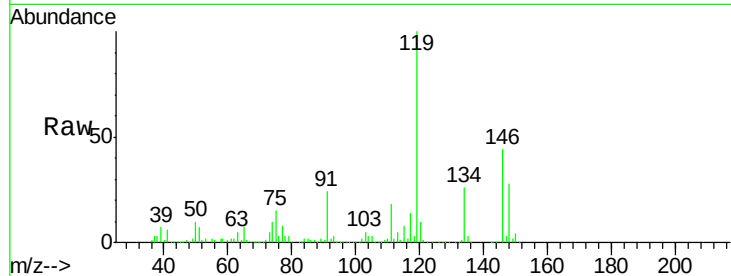
#87
 1,3-Dichlorobenzene
 Concen: 52.417 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	252431		
111	41.3	20.9	62.7	
148	63.9	32.2	96.6	

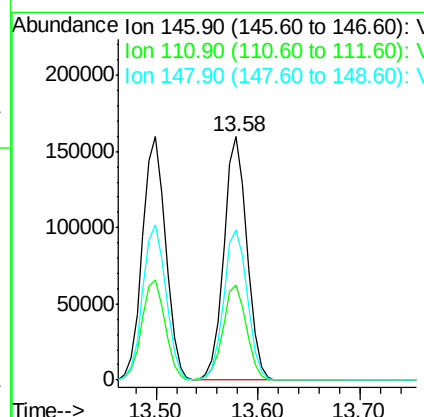
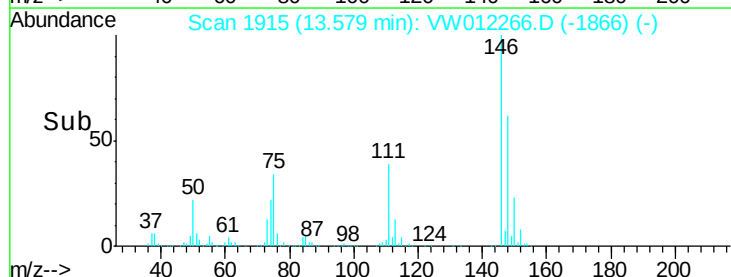
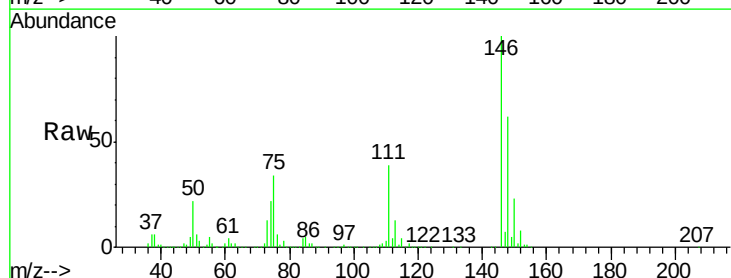
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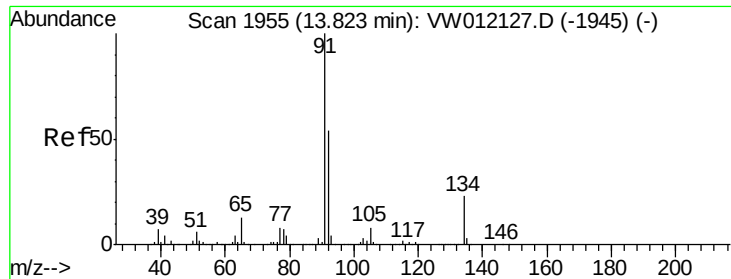
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#88
 1,4-Dichlorobenzene
 Concen: 52.711 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	252049		
111	40.0	20.0	60.0	
148	63.8	32.1	96.3	





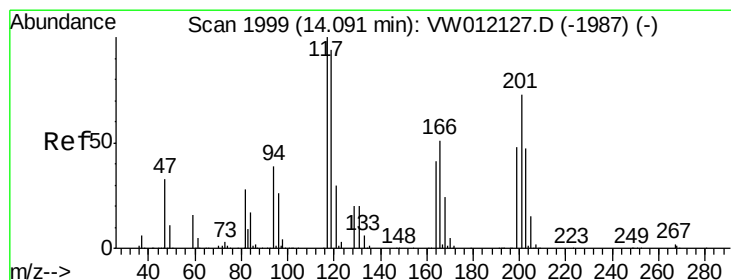
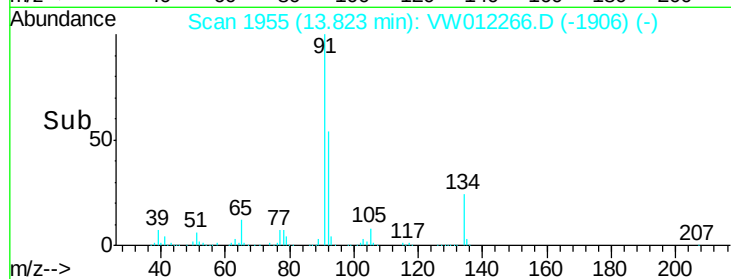
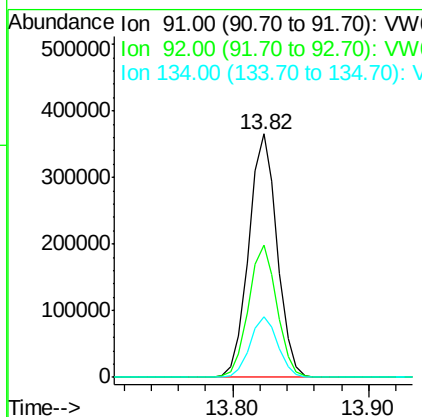
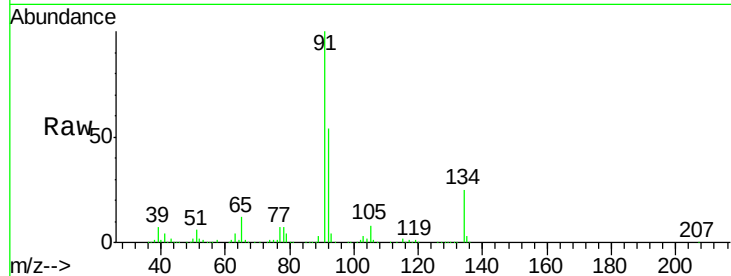
#89
n-Butylbenzene
Concen: 52.022 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.1	81.2
134	24.6	12.2	36.4

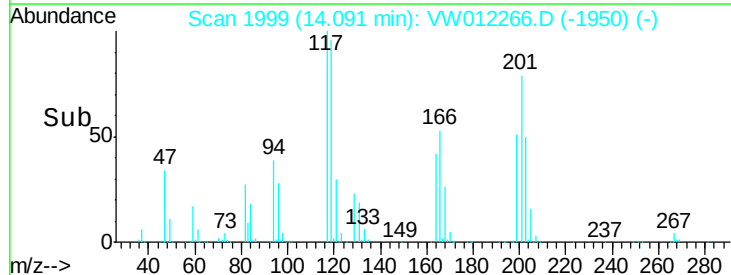
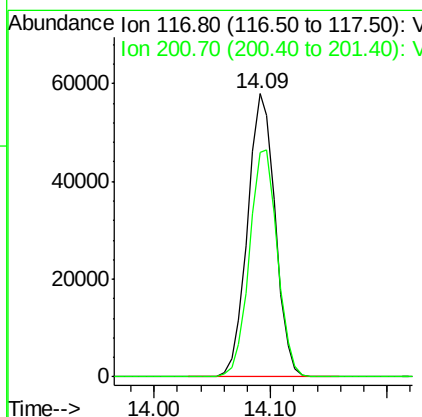
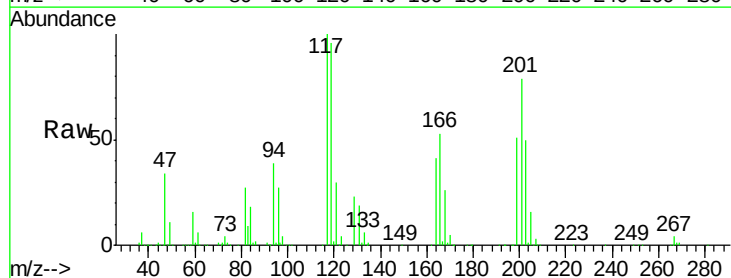
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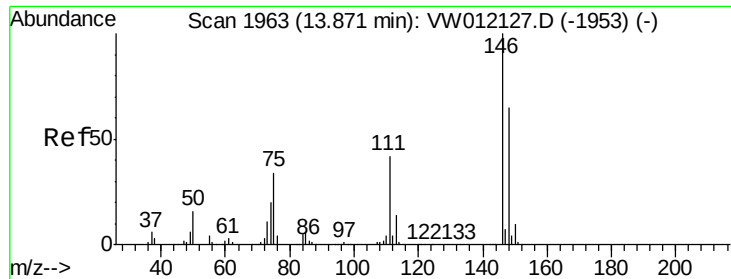
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#90
Hexachloroethane
Concen: 53.216 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	38.6	115.7





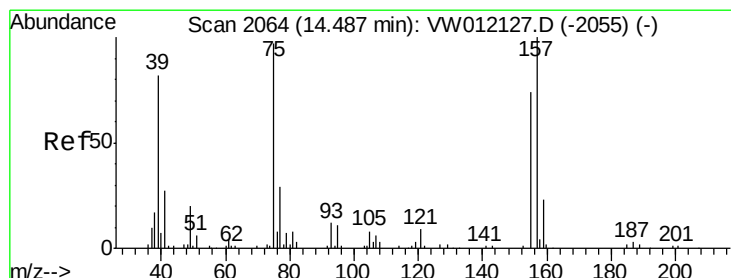
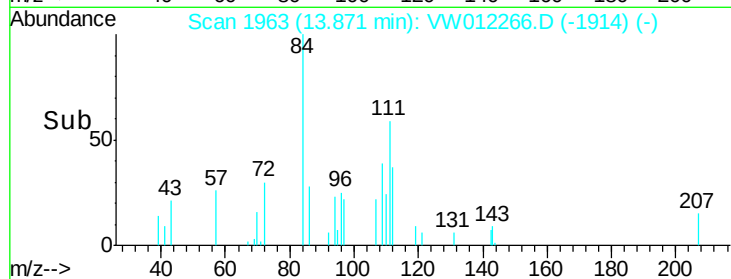
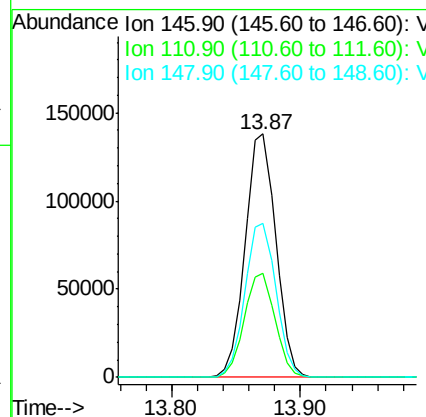
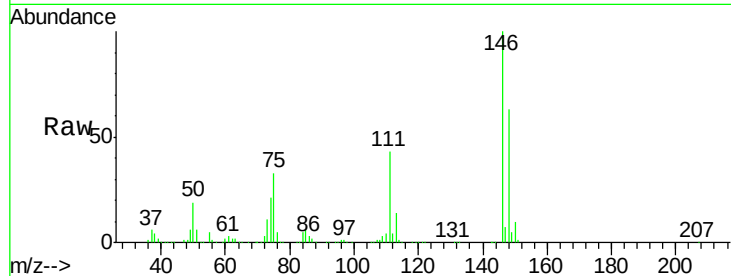
#91
 1,2-Dichlorobenzene
 Concen: 53.671 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	64.0	32.5	97.4

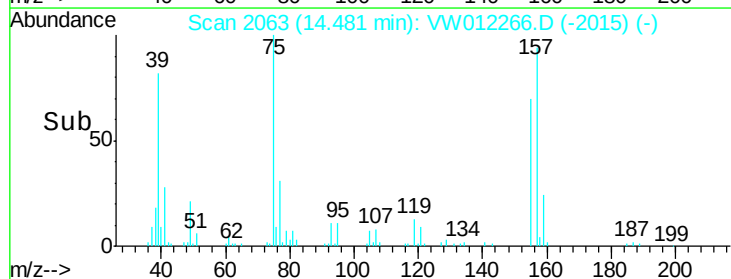
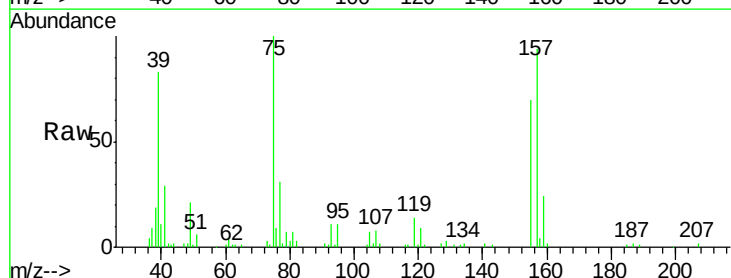
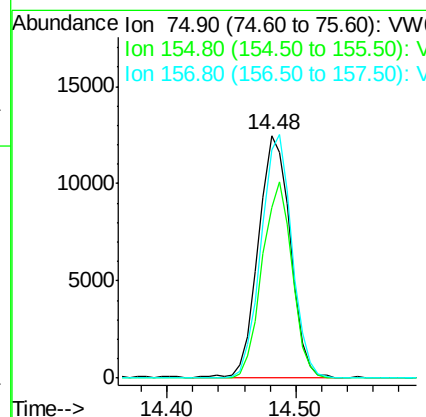
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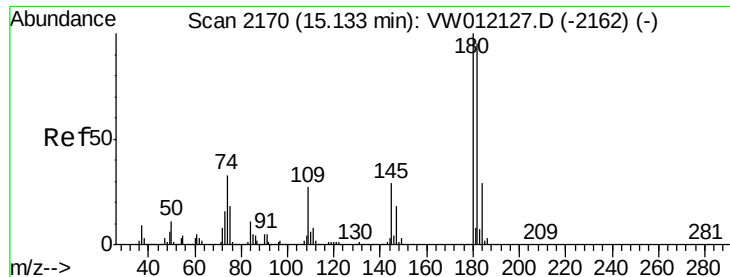
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.971 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	37.5	112.3
157	96.4	50.5	151.5





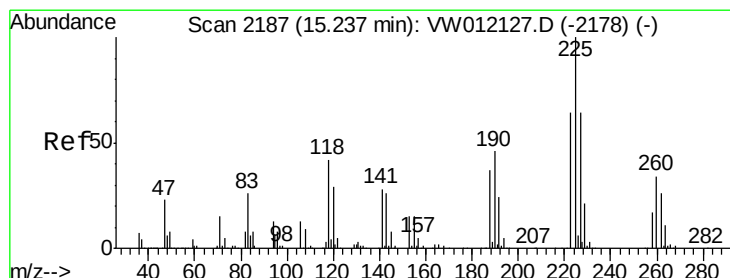
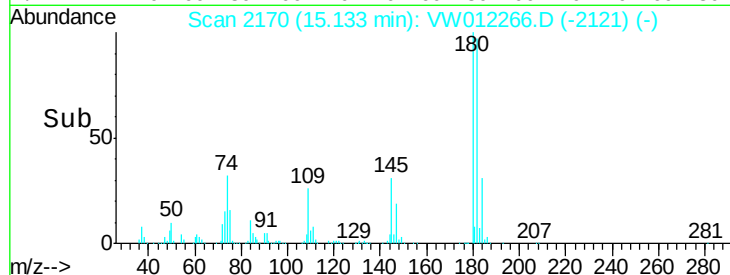
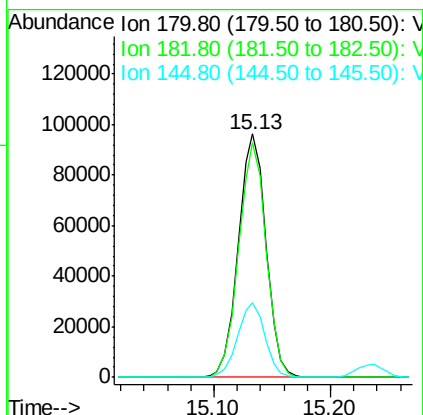
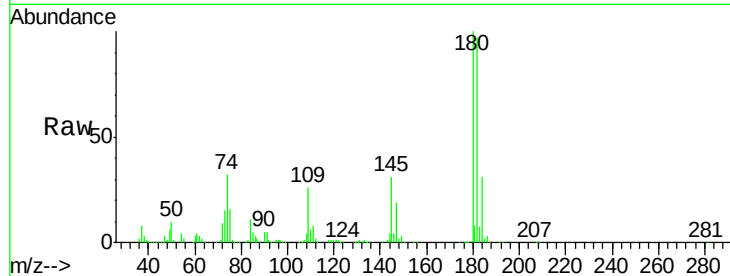
#93
 1,2,4-Trichlorobenzene
 Concen: 54.529 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159199		
182	95.5	47.8	143.4	
145	30.4	15.0	45.1	

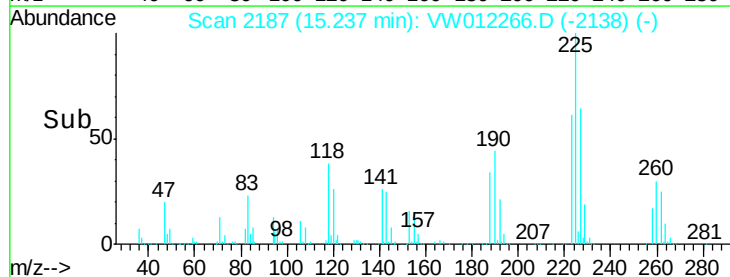
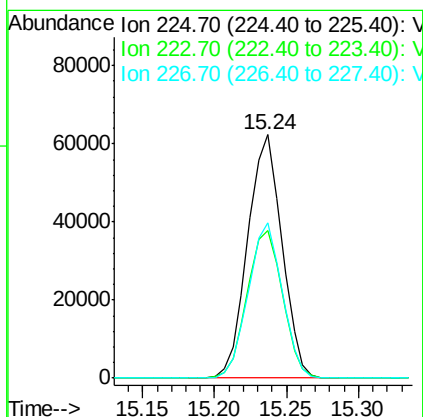
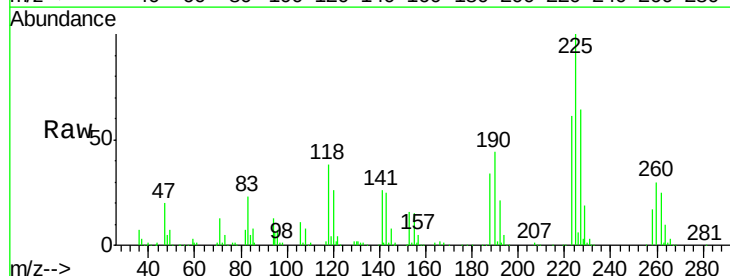
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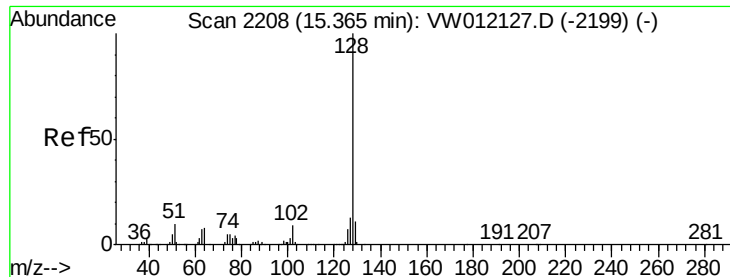
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#94
 Hexachlorobutadiene
 Concen: 53.141 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012266.D
 Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102444		
223	63.0	32.3	96.8	
227	63.3	32.9	98.6	





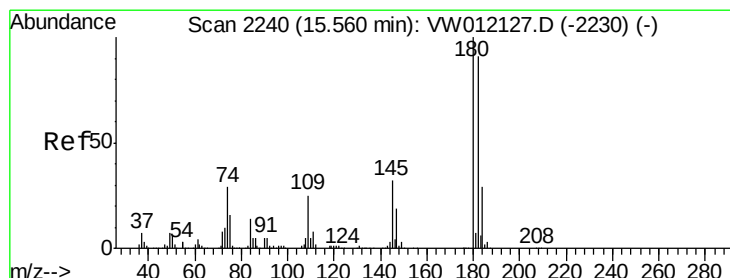
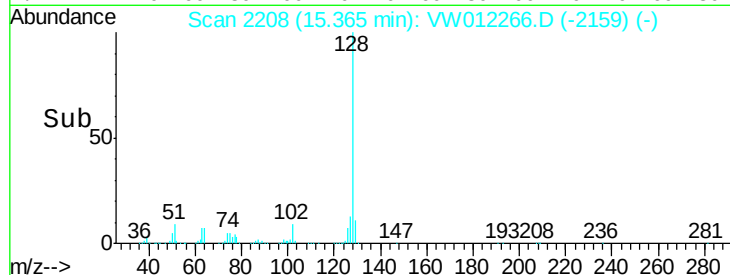
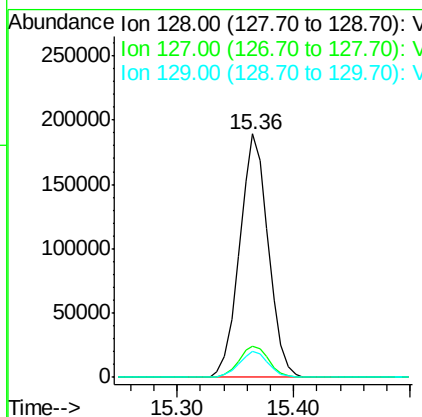
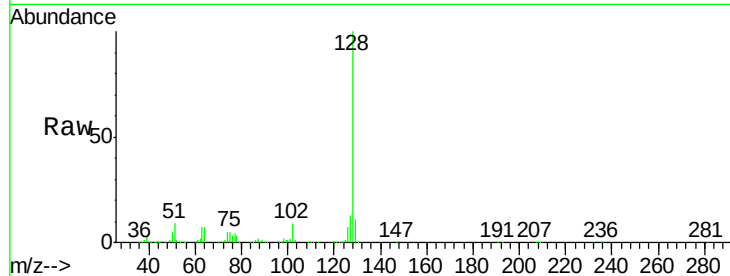
#95
Naphthalene
Concen: 55.932 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/29/2019 9:41:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.571 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012266.D
Acq: 28 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.1	141.3
145	31.6	16.2	48.5

