

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012159.D
 Acq On : 26 Aug 2019 09:10
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:03:33 AM

Quant Time: Aug 26 16:31:04 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	256975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165197	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	146864	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	7.88	113	121854	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	10.32	98	492046	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.61	95	170886	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	96772	61.159	ug/l	96
3) Chloromethane	2.21	50	134214	54.749	ug/l	99
4) Vinyl Chloride	2.36	62	172546	57.507	ug/l	97
5) Bromomethane	2.78	94	86478	56.910	ug/l	98
6) Chloroethane	2.92	64	95495	56.419	ug/l	98
7) Trichlorofluoromethane	3.26	101	95370	63.301	ug/l	98
8) Diethyl Ether	3.68	74	74644	52.196	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	141925	55.419	ug/l	99
10) Methyl Iodide	4.27	142	193188	55.754	ug/l	100
11) Tert butyl alcohol	5.17	59	45828	249.287	ug/l	99
12) 1,1-Dichloroethene	4.04	96	143681	55.743	ug/l	96
13) Acrolein	3.89	56	46087	266.323	ug/l	99
14) Allyl chloride	4.67	41	308205	55.931	ug/l	100
15) Acrylonitrile	5.37	53	184232	259.912	ug/l	100
16) Acetone	4.12	43	224794	287.876	ug/l	98
17) Carbon Disulfide	4.38	76	460087	59.062	ug/l	99
18) Methyl Acetate	4.67	43	94709	48.968	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	221652	53.175	ug/l	97
20) Methylene Chloride	4.92	84	148139	50.182	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	151167	54.690	ug/l	99
22) Diisopropyl ether	6.31	45	545367	53.393	ug/l	100
23) Vinyl Acetate	6.25	43	1703825	271.052	ug/l	100
24) 1,1-Dichloroethane	6.21	63	300407	54.016	ug/l	100
25) 2-Butanone	7.16	43	285011	268.596	ug/l	99
26) 2,2-Dichloropropane	7.16	77	179743	57.100	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	158323	53.611	ug/l	98
28) Bromochloromethane	7.51	49	112698	46.493	ug/l	99
29) Tetrahydrofuran	7.53	42	166066	260.854	ug/l	99
30) Chloroform	7.68	83	269801	53.025	ug/l	97
31) Cyclohexane	7.96	56	286929	52.147	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	223016	55.406	ug/l	100
36) 1,1-Dichloropropene	8.08	75	231740	55.811	ug/l	99
37) Ethyl Acetate	7.25	43	117390	51.592	ug/l	99
38) Carbon Tetrachloride	8.07	117	203908	56.738	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	262464	56.266	ug/l	99
40) Benzene	8.32	78	621358	54.803	ug/l	99
41) Methacrylonitrile	7.48	41	69934	52.294	ug/l	99
42) 1,2-Dichloroethane	8.40	62	189004	53.189	ug/l	99
43) Isopropyl Acetate	8.42	43	219893	52.173	ug/l	99
44) Trichloroethene	9.09	130	151362	54.916	ug/l	95
45) 1,2-Dichloropropane	9.37	63	165383	54.199	ug/l	98
46) Dibromomethane	9.46	93	72384	53.315	ug/l	100
47) Bromodichloromethane	9.65	83	198338	54.891	ug/l	99
48) Methyl methacrylate	9.43	41	106419	53.051	ug/l	99
49) 1,4-Dioxane	9.45	88	21346	1027.032	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	564640	263.392	ug/l	100
52) Toluene	10.39	92	374281	54.951	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	204853	55.658	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	246745	55.522	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	102620	53.423	ug/l	98
56) Ethyl methacrylate	10.65	69	150657	53.889	ug/l	99
57) 1,3-Dichloropropane	10.93	76	192349	52.989	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	359439	250.512	ug/l	100
59) 2-Hexanone	10.97	43	428898	282.761	ug/l	99
60) Dibromochloromethane	11.13	129	117583	54.957	ug/l	99
61) 1,2-Dibromoethane	11.24	107	96591	53.975	ug/l	98
64) Tetrachloroethene	10.86	164	122472	54.725	ug/l	97
65) Chlorobenzene	11.66	112	369610	54.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	129857	54.764	ug/l	98
67) Ethyl Benzene	11.73	91	722958	55.215	ug/l	100
68) m/p-Xylenes	11.84	106	527759	111.899	ug/l	98
69) o-Xylene	12.16	106	241745	55.380	ug/l	99
70) Styrene	12.18	104	420127	55.604	ug/l	99
71) Bromoform	12.35	173	64966	54.990	ug/l #	99
73) Isopropylbenzene	12.46	105	683097	55.184	ug/l	99
74) N-amyl acetate	12.27	43	199565	53.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119606	52.705	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	81088m	50.400	ug/l	
77) Bromobenzene	12.75	156	143970	53.761	ug/l	99
78) n-propylbenzene	12.80	91	842196	55.732	ug/l	99
79) 2-Chlorotoluene	12.89	91	466542	54.379	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	578135	55.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	42677	58.158	ug/l	98
82) 4-Chlorotoluene	12.99	91	494216	55.015	ug/l	100
83) tert-Butylbenzene	13.21	119	491424	56.088	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	573913	55.236	ug/l	100
85) sec-Butylbenzene	13.38	105	701052	55.849	ug/l	100
86) p-Isopropyltoluene	13.50	119	630580	56.250	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	287148	54.821	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	282245	54.268	ug/l	99
89) n-Butylbenzene	13.82	91	635948	57.046	ug/l	100
90) Hexachloroethane	14.09	117	111775	56.831	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	250092	54.426	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20098	52.534	ug/l	96

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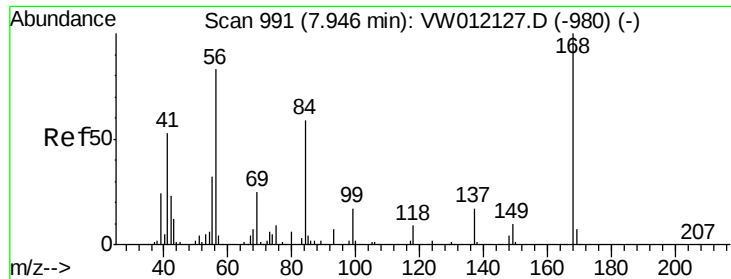
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	178775	56.299	ug/l	99
94) Hexachlorobutadiene	15.24	225	119445	56.967	ug/l	98
95) Naphthalene	15.36	128	318100	50.959	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	157485	56.843	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: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 256975

Ion Ratio Lower Upper

168 100

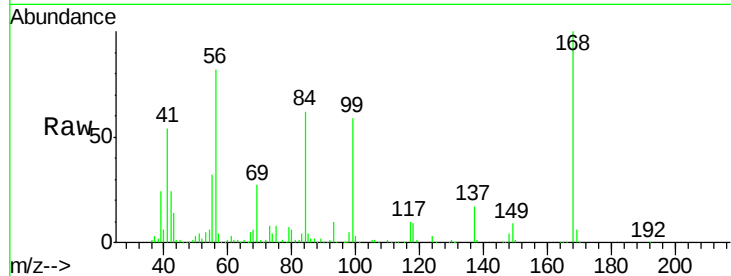
99 58.9 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

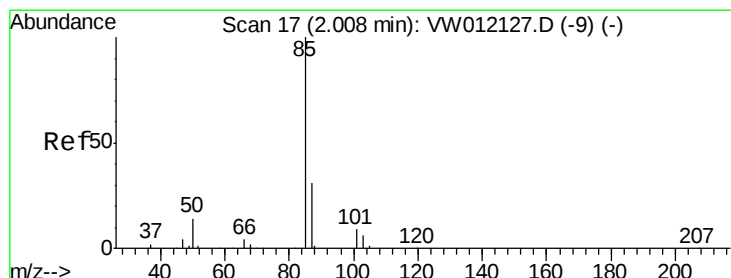
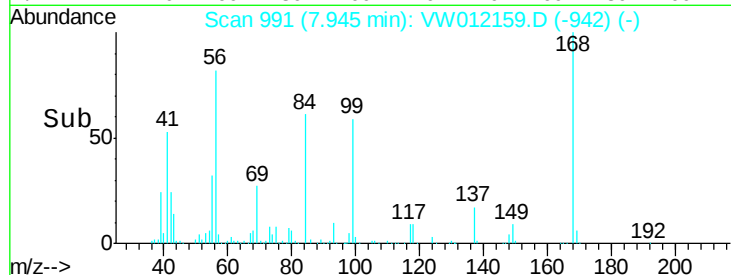
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 61.159 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012159.D

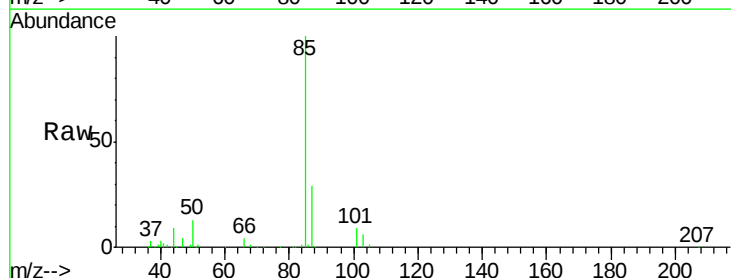
Acq: 26 Aug 2019 09:10

Tgt Ion: 85 Resp: 96772

Ion Ratio Lower Upper

85 100

87 29.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

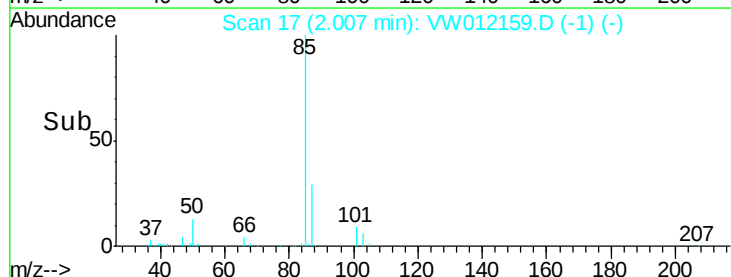
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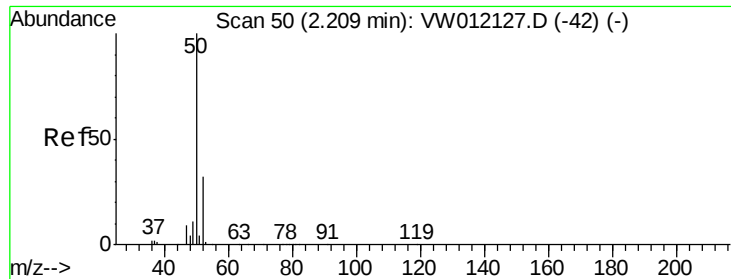
20000

10000

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Time-->





#3

Chloromethane

Concen: 54.749 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 134214

Ion Ratio Lower Upper

50 100

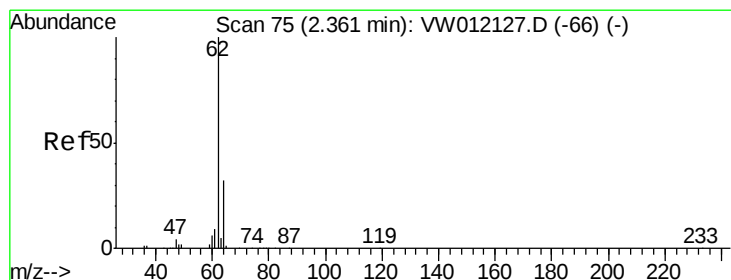
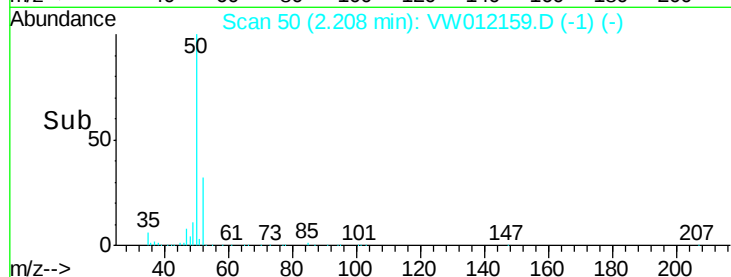
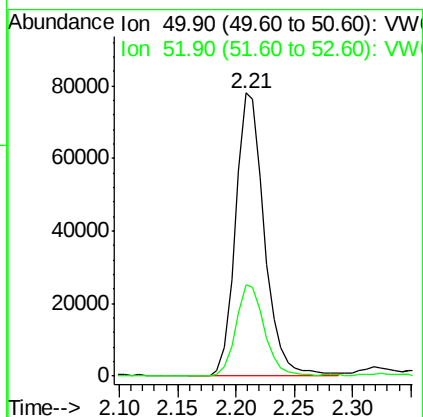
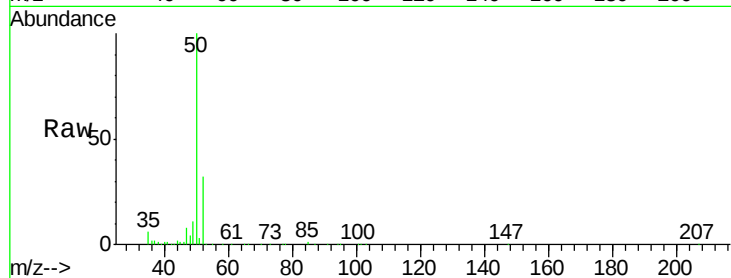
52 32.3 25.5 38.3

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#4

Vinyl Chloride

Concen: 57.507 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012159.D

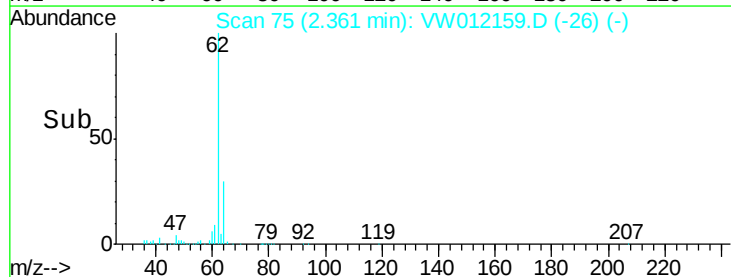
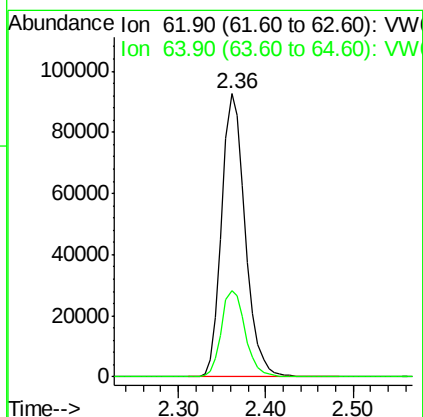
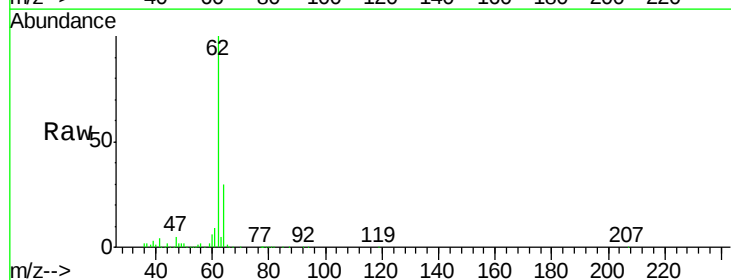
Acq: 26 Aug 2019 09:10

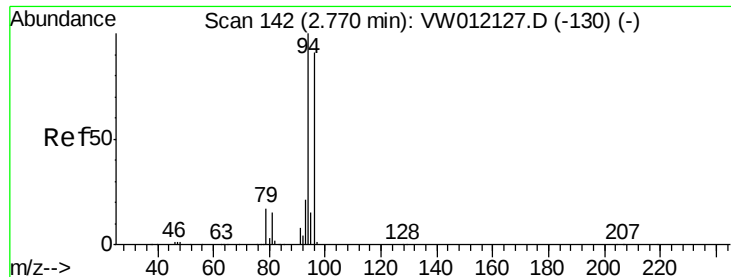
Tgt Ion: 62 Resp: 172546

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 56.910 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86478

Ion Ratio Lower Upper

94 100

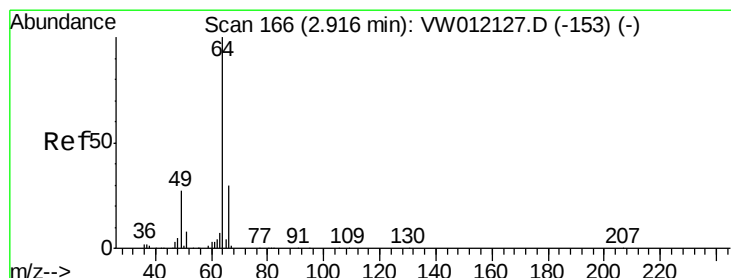
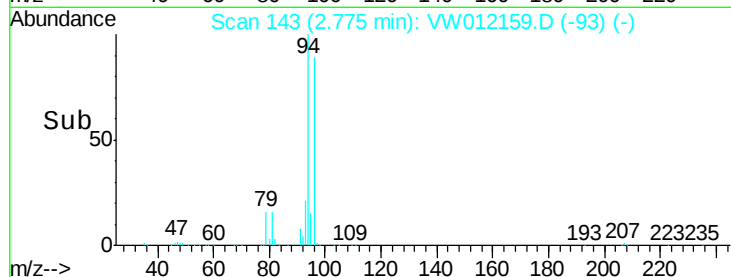
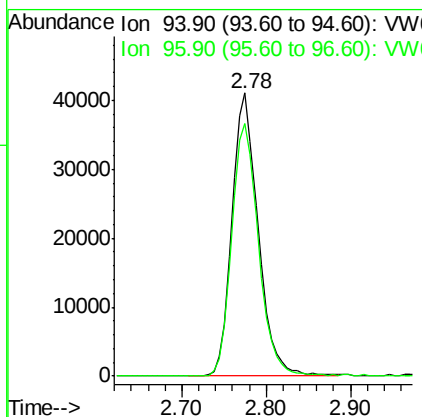
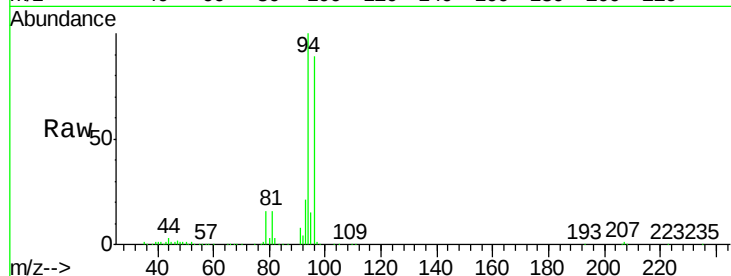
96 89.3 72.9 109.3

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#6

Chloroethane

Concen: 56.419 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012159.D

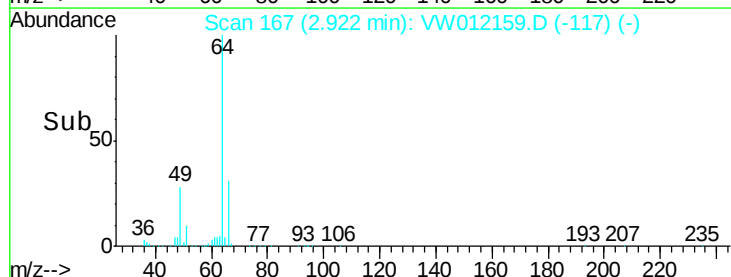
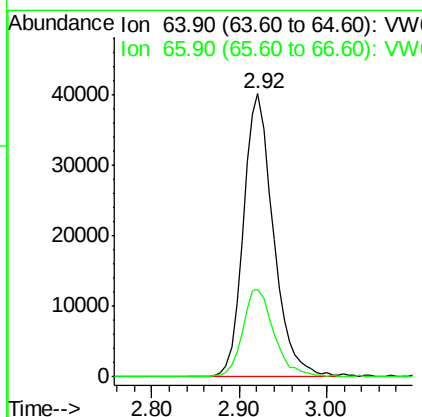
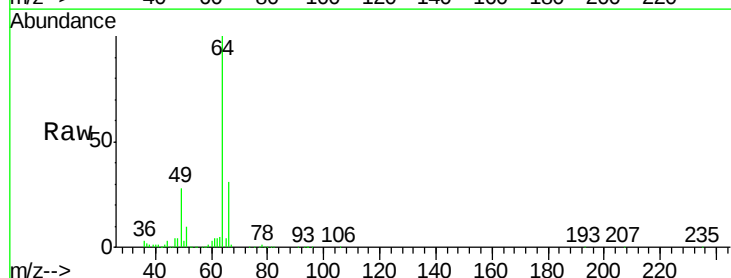
Acq: 26 Aug 2019 09:10

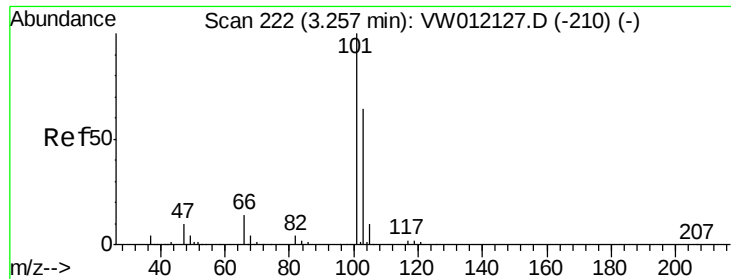
Tgt Ion: 64 Resp: 95495

Ion Ratio Lower Upper

64 100

66 30.8 23.8 35.8





#7

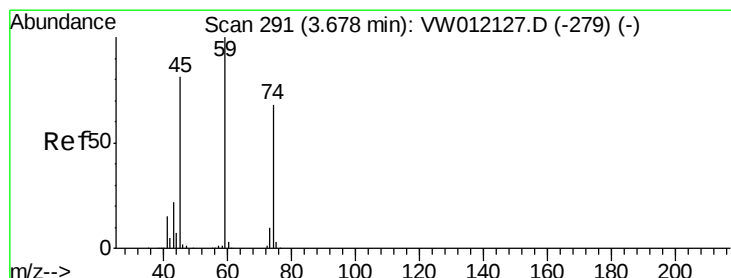
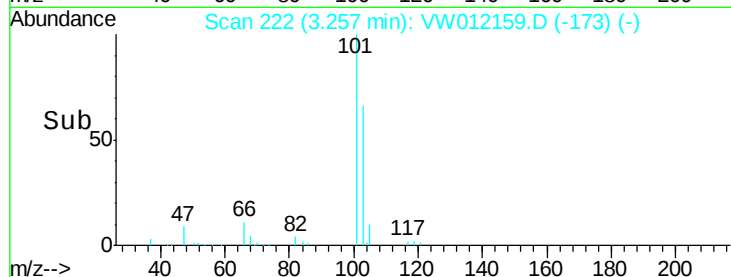
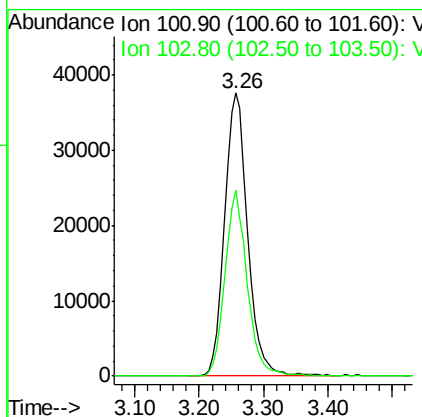
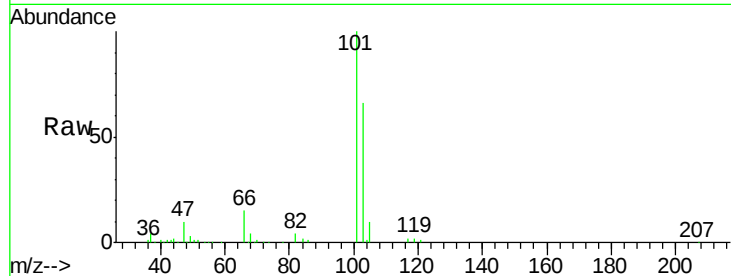
Trichlorofluoromethane
Concen: 63.301 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.2	76.8

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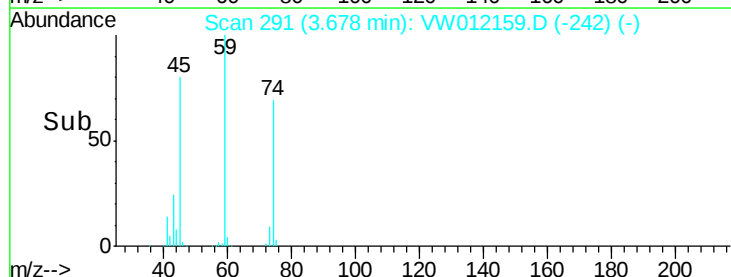
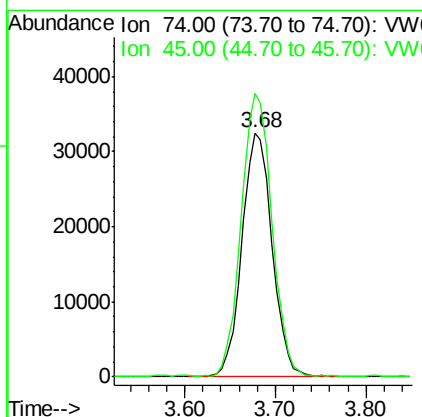
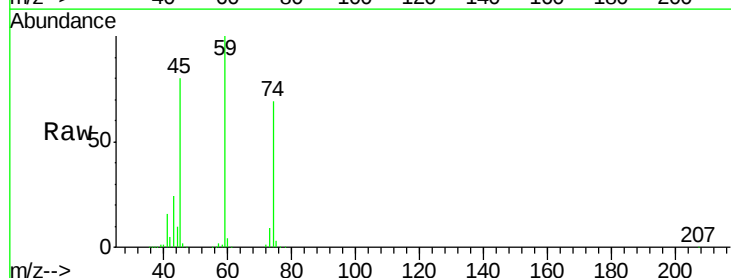
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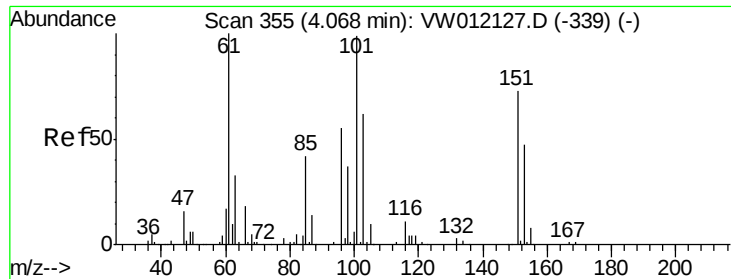


#8

Diethyl Ether
Concen: 52.196 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.6	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.419 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

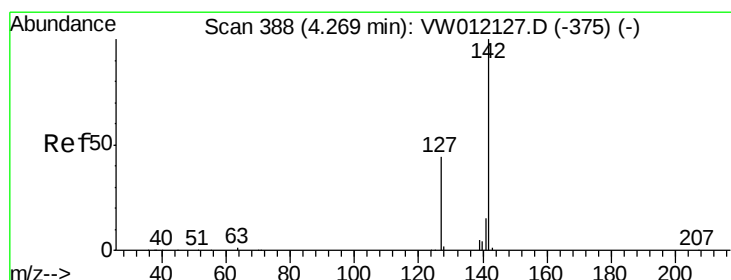
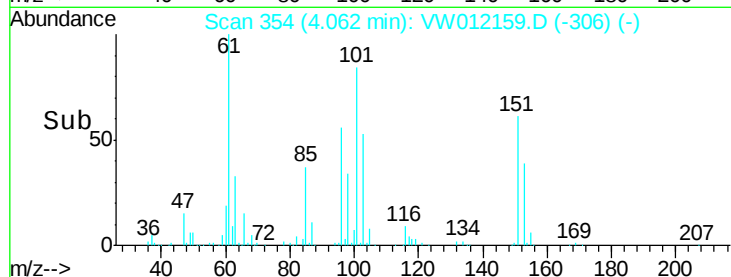
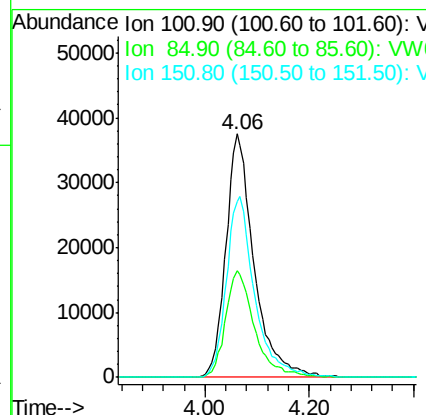
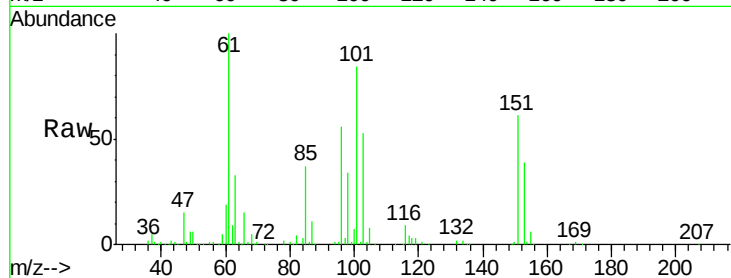
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	141925
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.8	53.6
151	74.6	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 55.754 ug/l

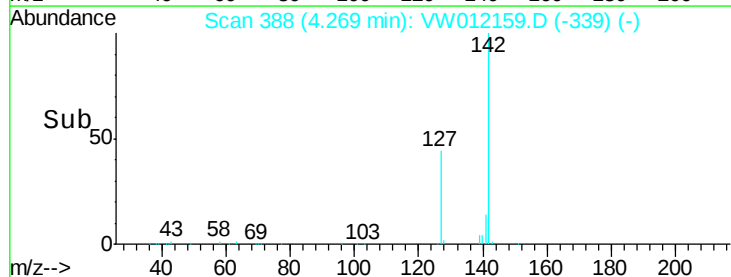
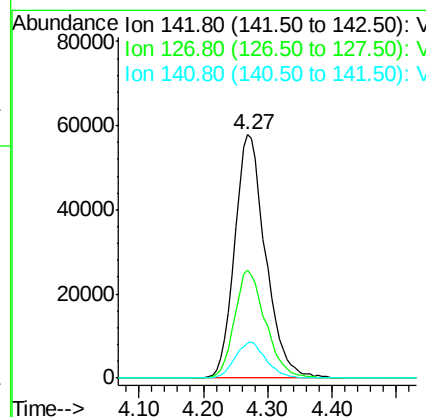
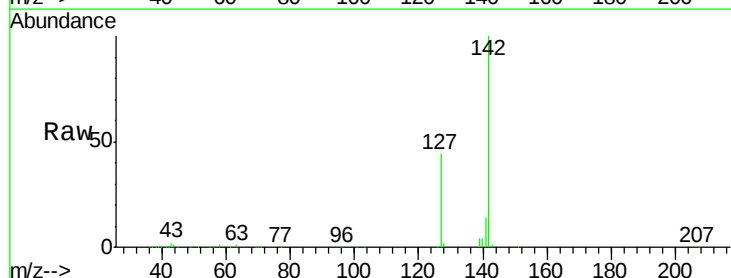
RT: 4.27 min Scan# 388

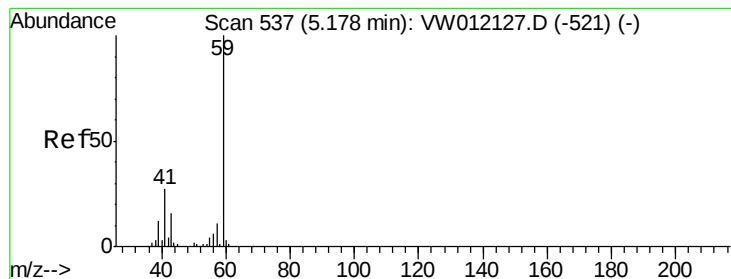
Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	142	Resp:	193188
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.5	53.3
141	15.0	11.8	17.8





#11

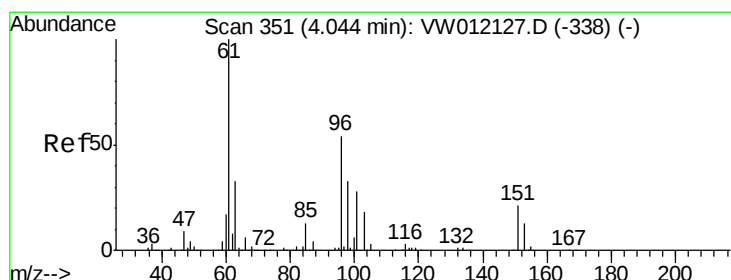
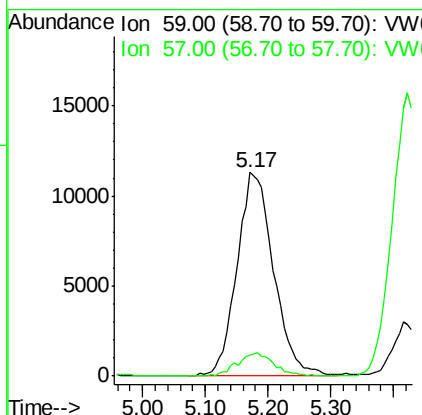
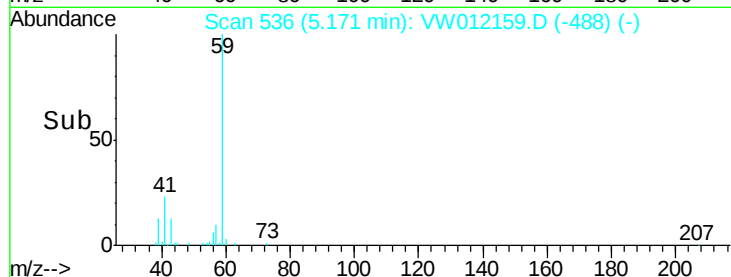
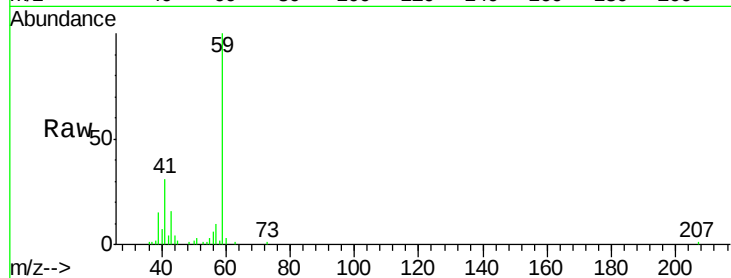
Tert butyl alcohol
Concen: 249.287 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	11.5	Resp	45828	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	11.5	Resp	45828	Lower	9.0	Upper	13.4

Manual Integrations
APPROVED

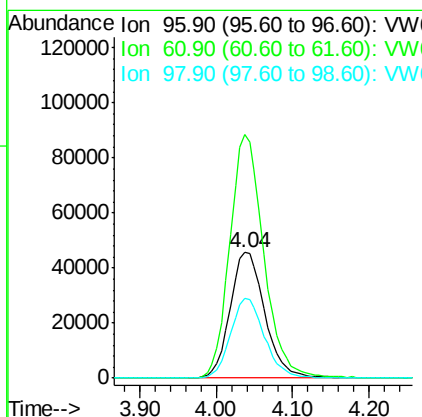
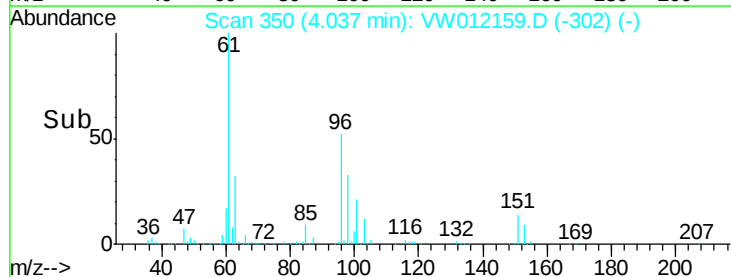
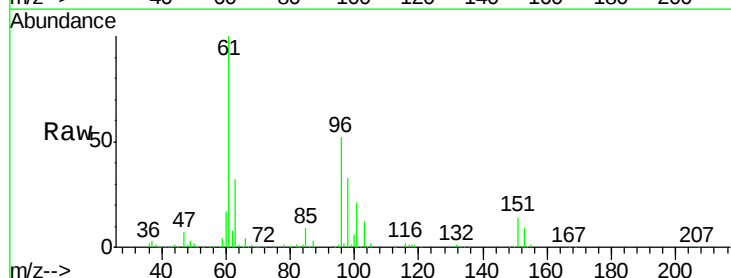
MMDadoda
8/27/2019 11:03:33 AM

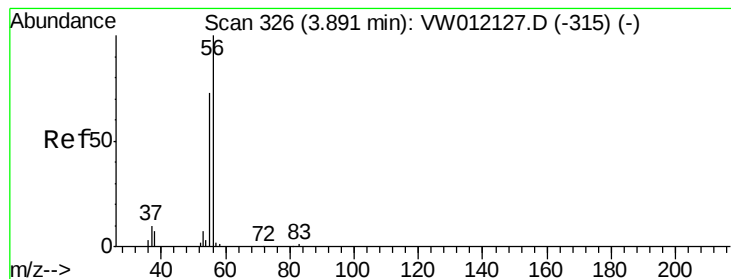


#12

1,1-Dichloroethene
Concen: 55.743 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	96	61	98	Ratio	100	193.7	63.7	Resp	143681	Lower	149.1	49.4	Upper	223.7	74.2
Ion	96	61	98	Ratio	100	193.7	63.7	Resp	143681	Lower	149.1	49.4	Upper	223.7	74.2





#13

Acrolein

Concen: 266.323 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46087

Ion Ratio Lower Upper

56 100

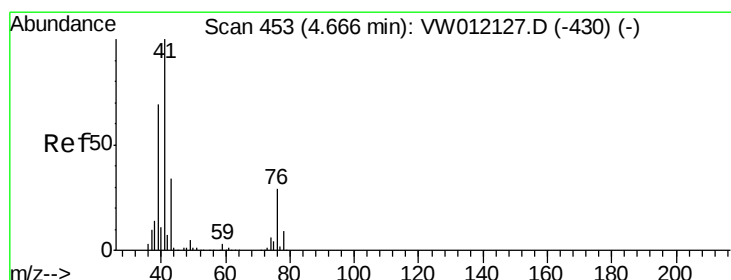
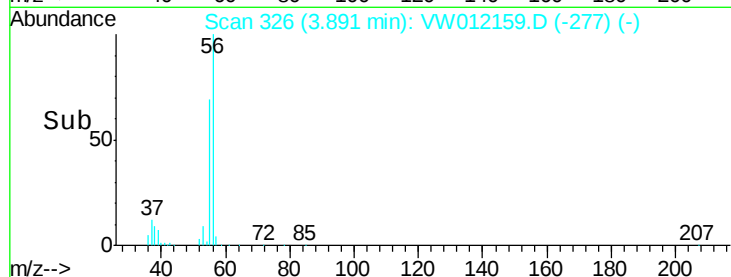
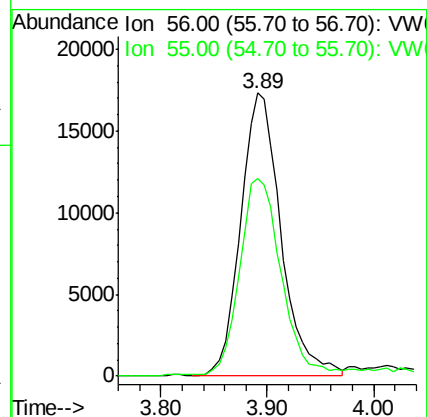
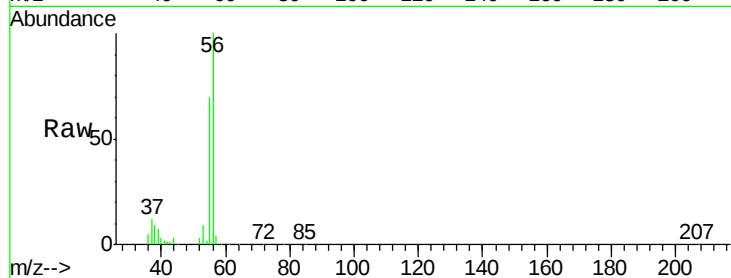
55 70.2 55.8 83.8

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 55.931 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

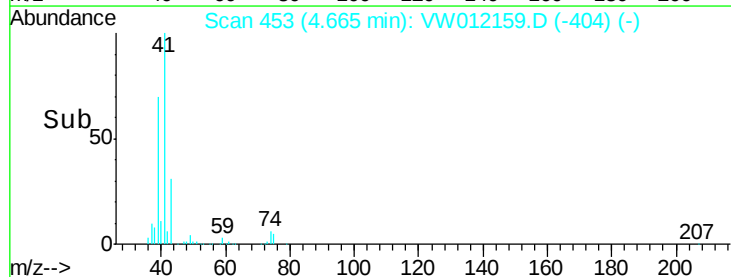
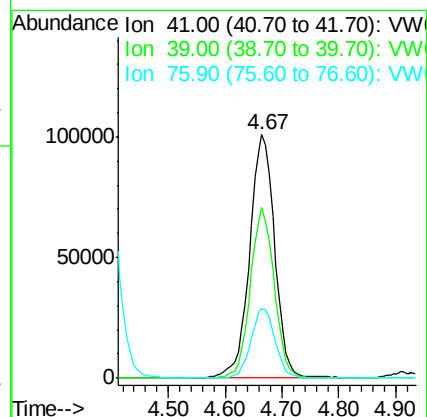
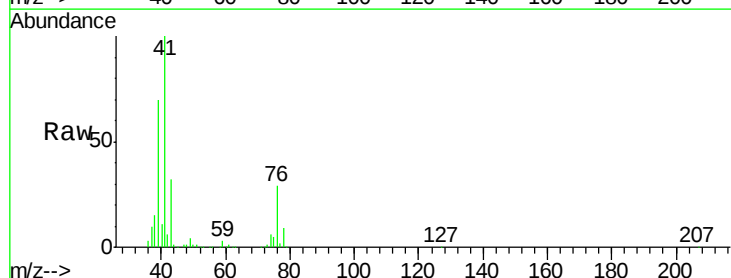
Tgt Ion: 41 Resp: 308205

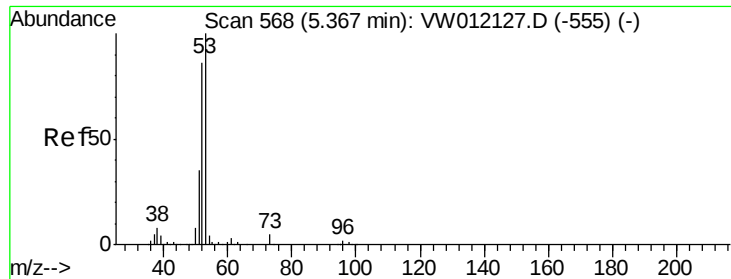
Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 27.3 22.1 33.1





#15

Acrylonitrile

Concen: 259.912 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

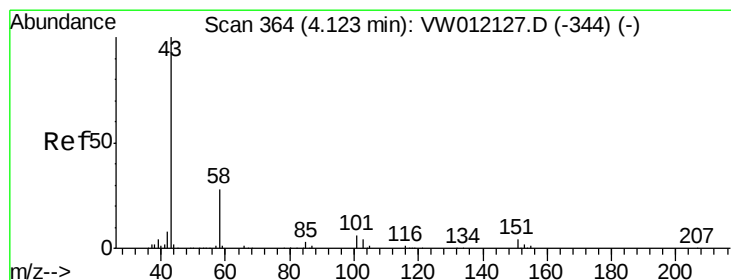
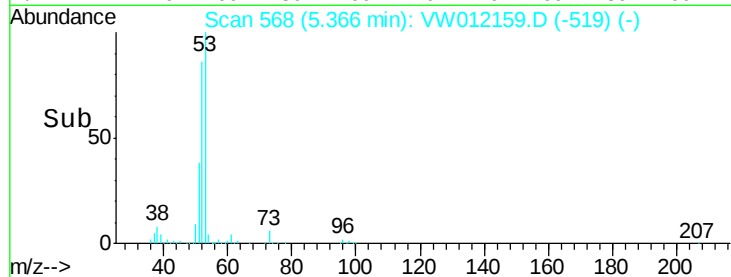
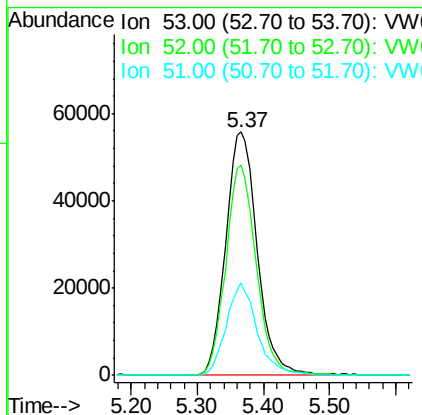
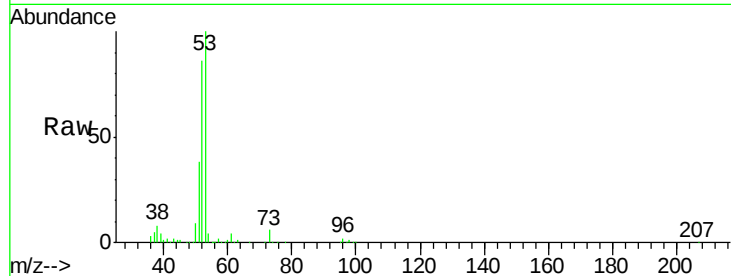
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	184232
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.7	100.1
51	37.0	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 287.876 ug/l

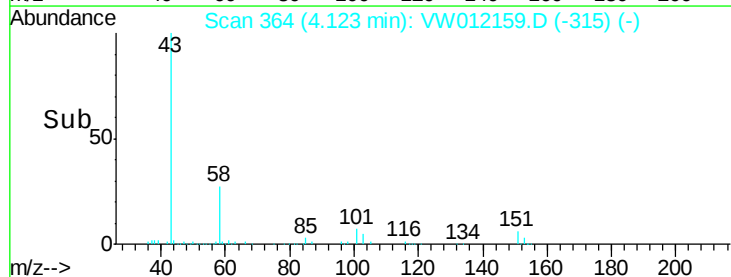
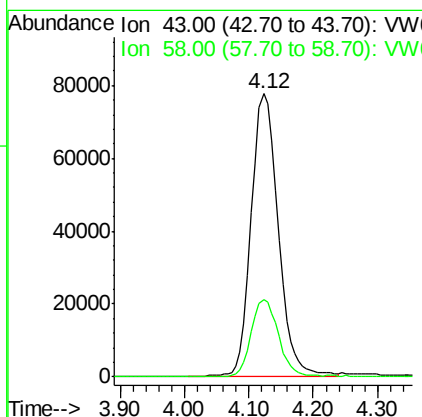
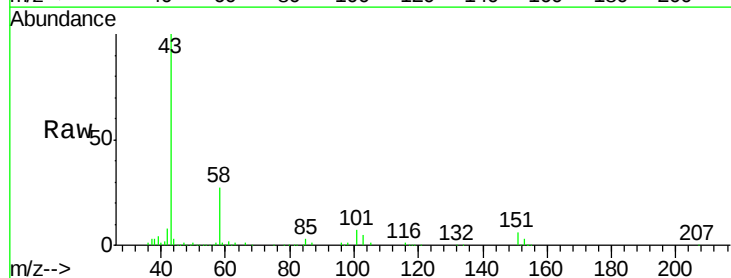
RT: 4.12 min Scan# 364

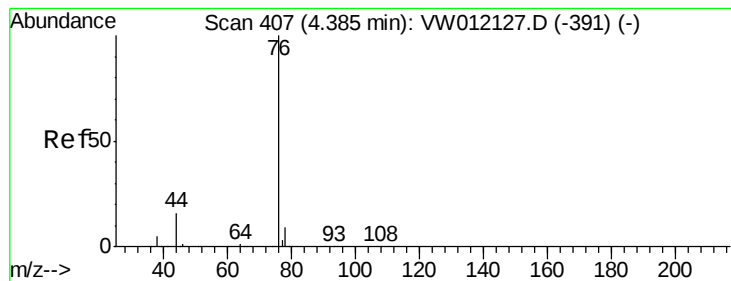
Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	43	Resp:	224794
Ion Ratio	Lower	Upper	
43	100		
58	27.1	22.4	33.6





#17

Carbon Disulfide

Concen: 59.062 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 460087

Ion Ratio Lower Upper

76 100

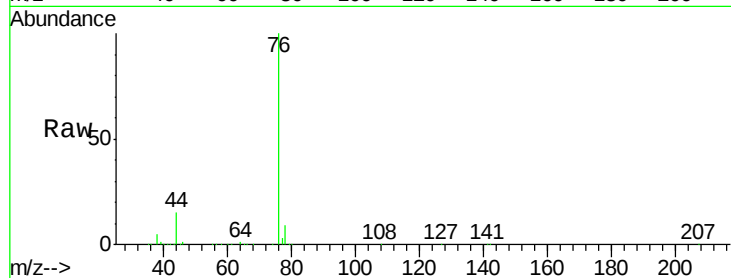
78 8.8 7.3 10.9

Manual Integrations

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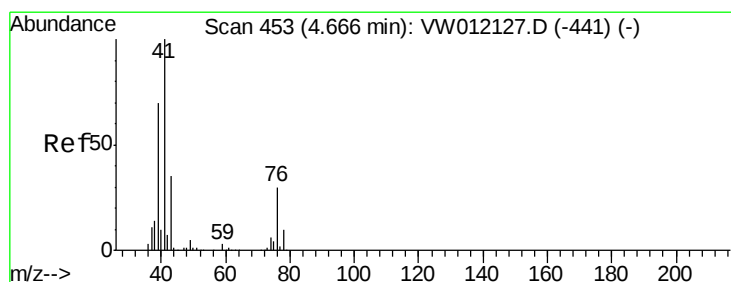
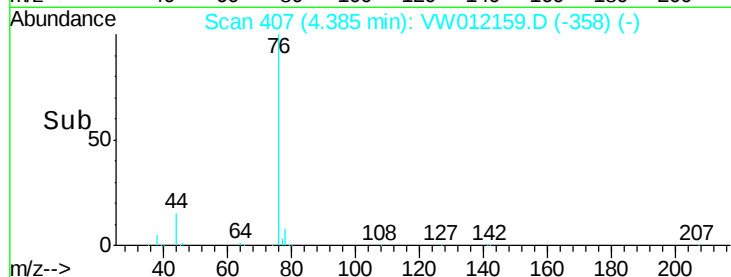
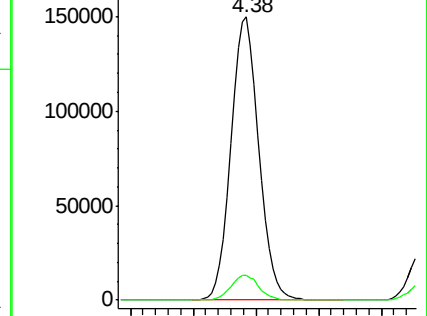
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 48.968 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012159.D

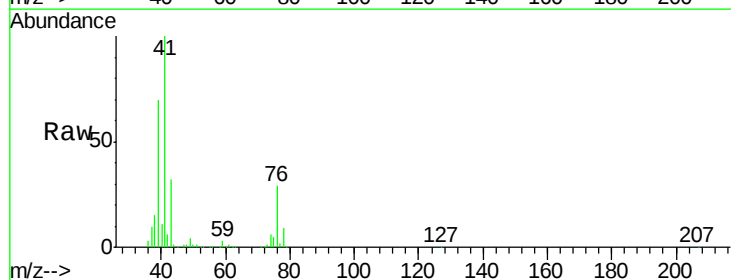
Acq: 26 Aug 2019 09:10

Tgt Ion: 43 Resp: 94709

Ion Ratio Lower Upper

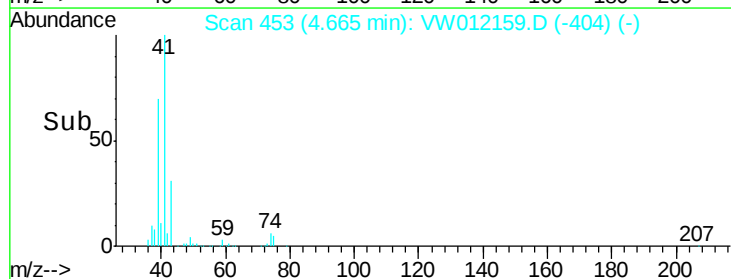
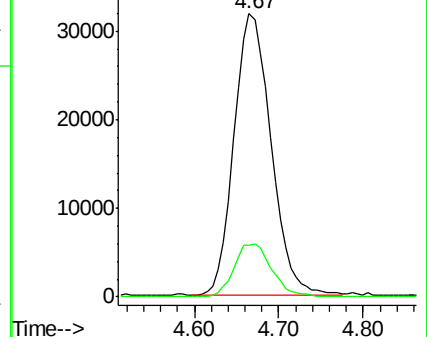
43 100

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





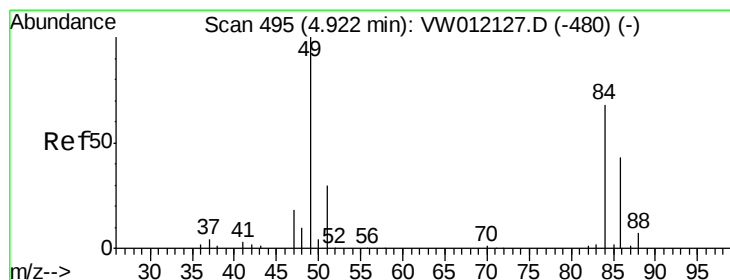
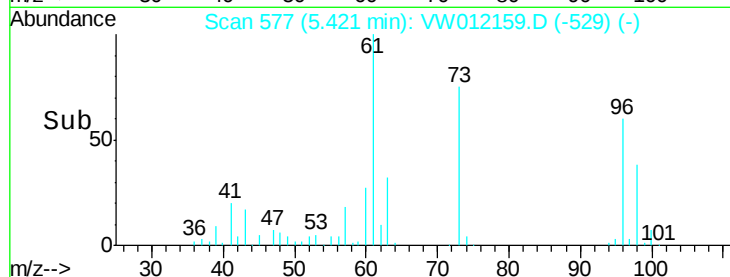
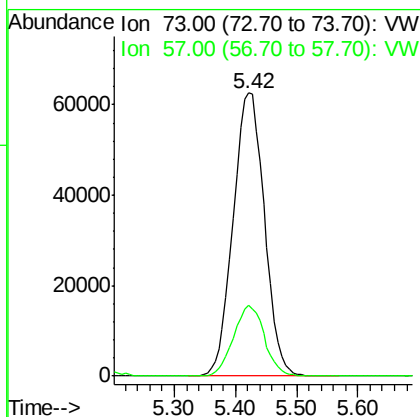
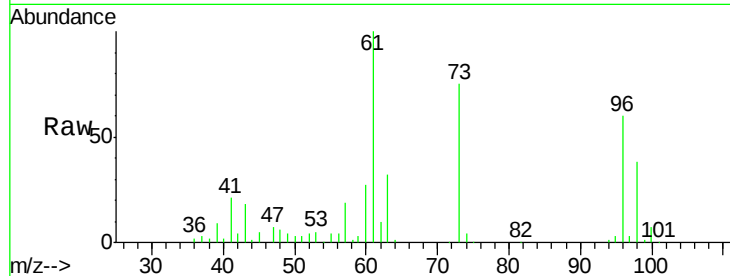
#19
Methvl tert-butvl Ether
Concen: 53.175 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 221652
Ion Ratio Lower Upper
73 100
57 25.1 18.9 28.3

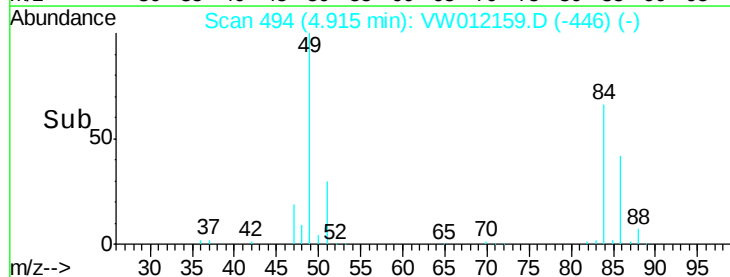
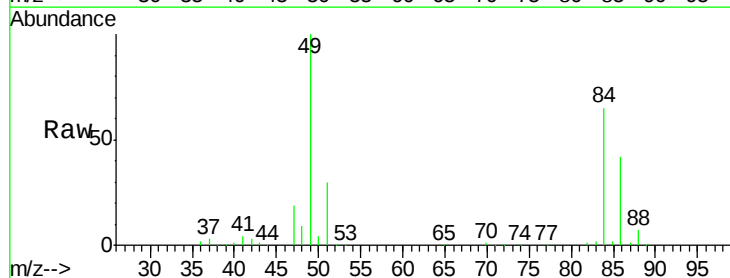
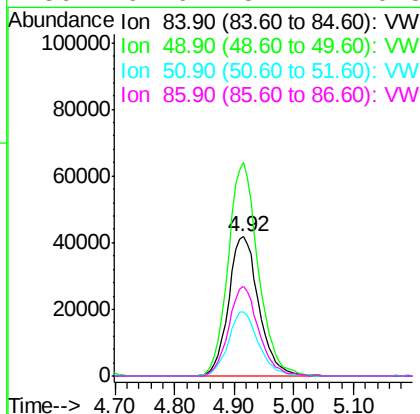
Manual Integrations
APPROVED

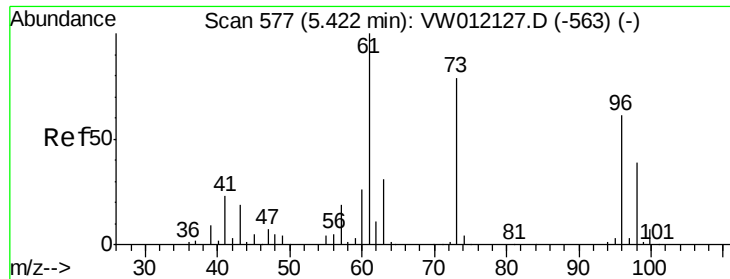
MMDadoda
8/27/2019 11:03:33 AM



#20
Methylene Chloride
Concen: 50.182 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion: 84 Resp: 148139
Ion Ratio Lower Upper
84 100
49 153.4 117.8 176.8
51 46.1 35.6 53.4
86 64.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.690 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 151167

Ion Ratio Lower Upper

96 100

61 166.3 131.4 197.0

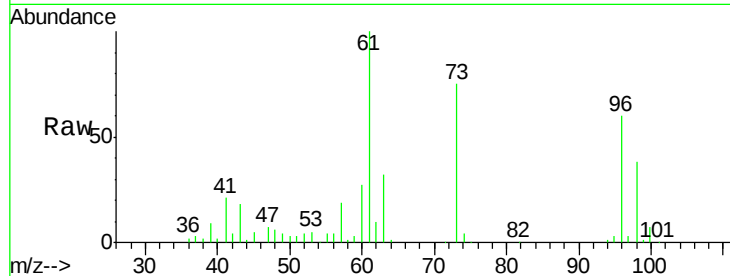
98 63.3 51.4 77.0

Manual Integrations

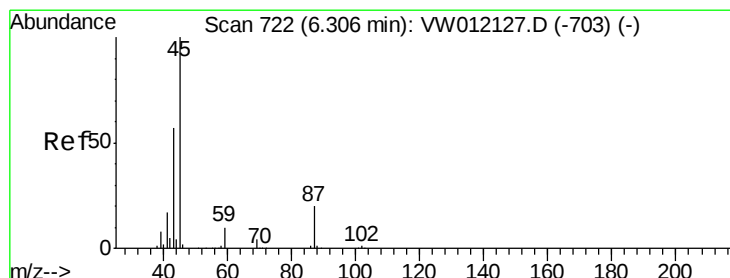
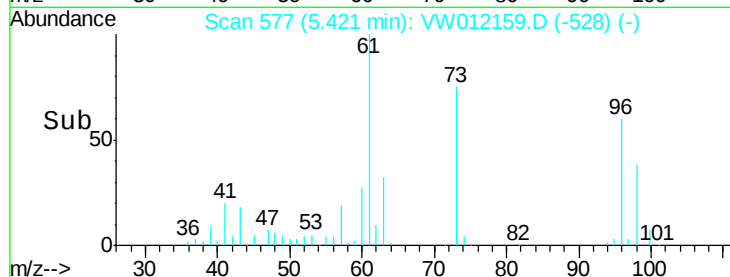
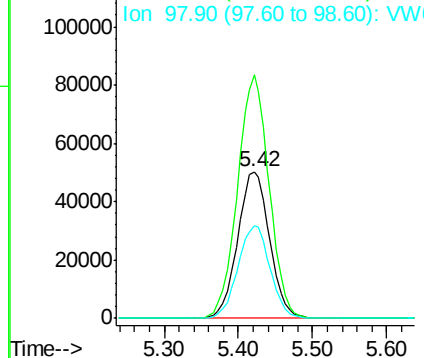
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 53.393 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion: 45 Resp: 545367

Ion Ratio Lower Upper

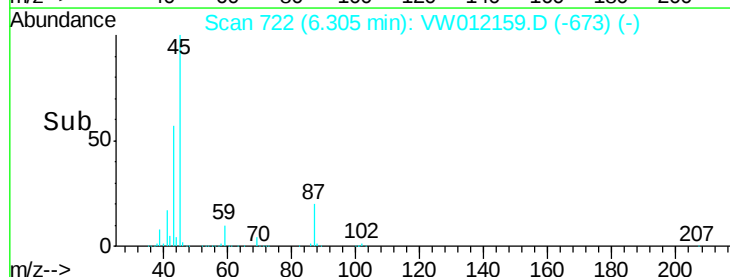
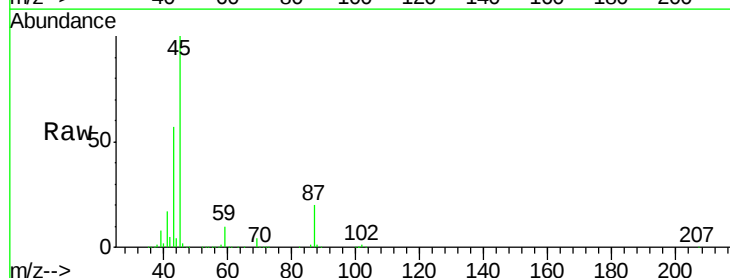
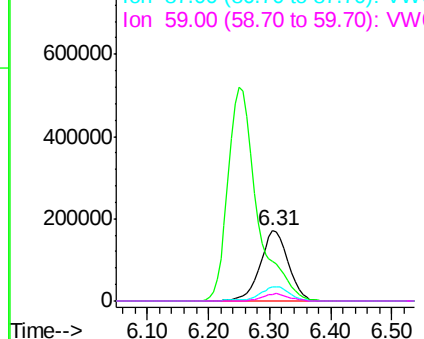
45 100

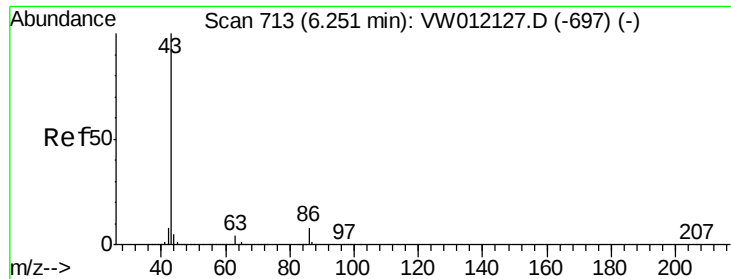
43 56.7 45.5 68.3

87 20.4 16.1 24.1

59 10.0 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: 271.052 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1703825

Ion Ratio Lower Upper

43 100

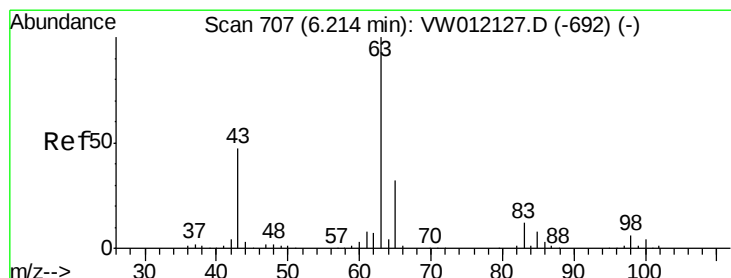
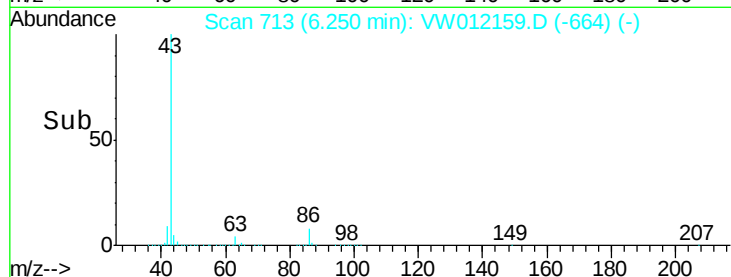
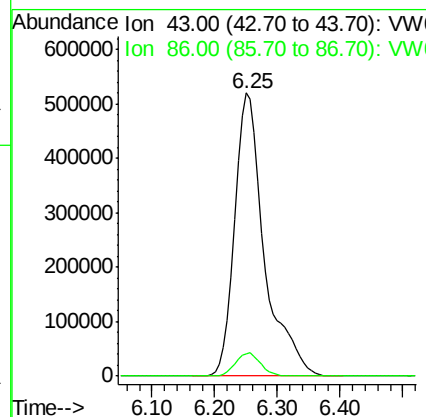
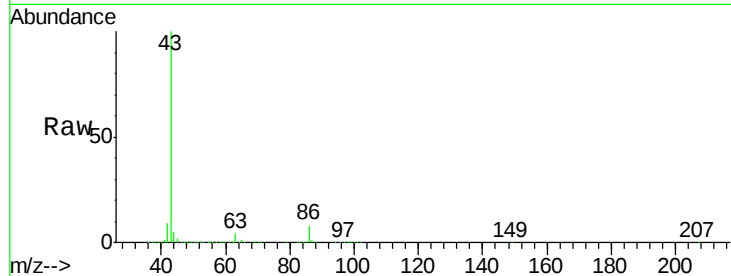
86 8.0 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.016 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

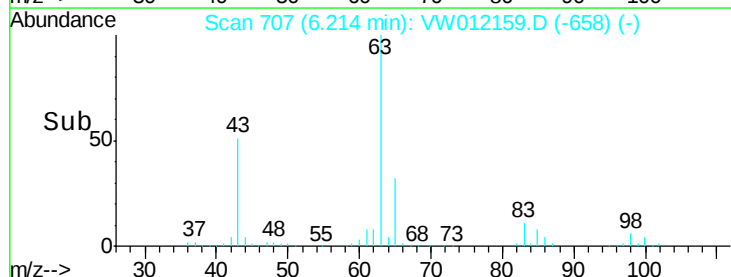
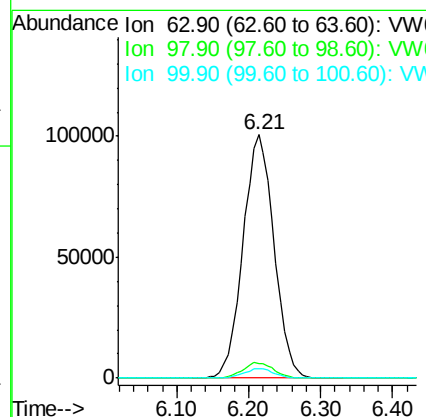
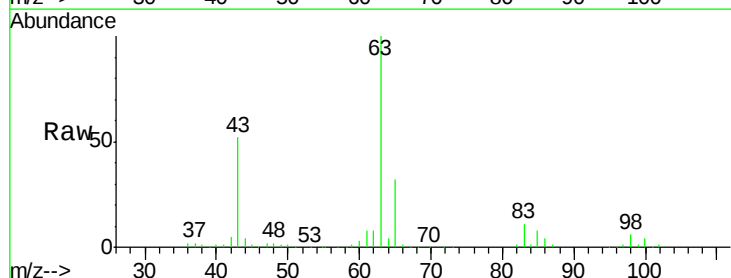
Tgt Ion: 63 Resp: 300407

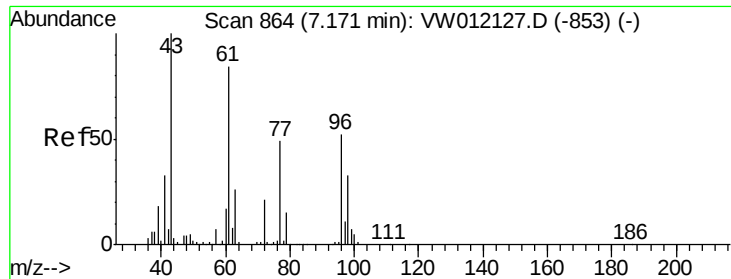
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 268.596 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 285011

Ion Ratio Lower Upper

43 100

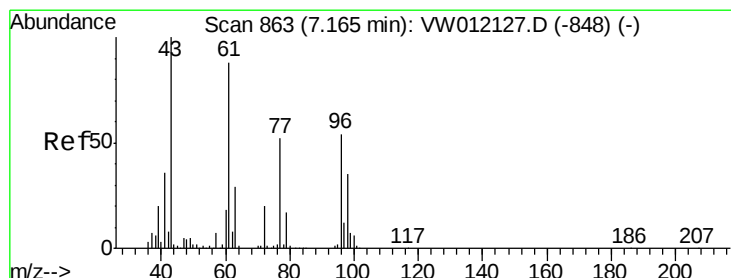
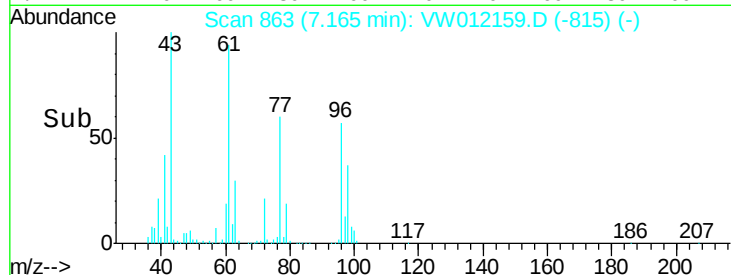
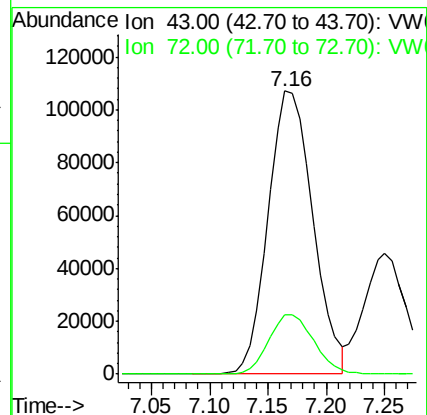
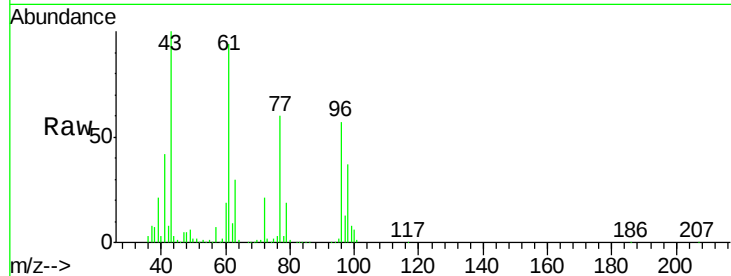
72 21.2 16.6 24.8

Manual Integrations

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MMDadoda

8/27/2019 11:03:33 AM



#26

2,2-Dichloropropane

Concen: 57.100 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012159.D

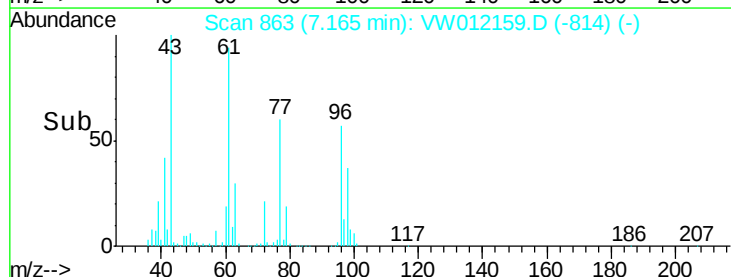
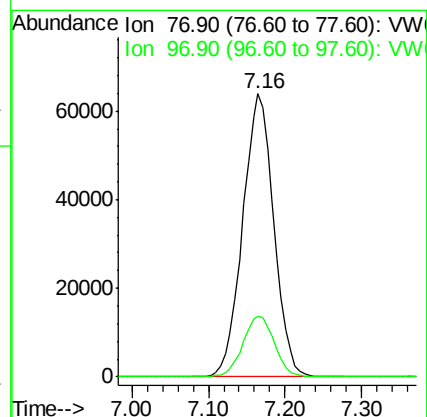
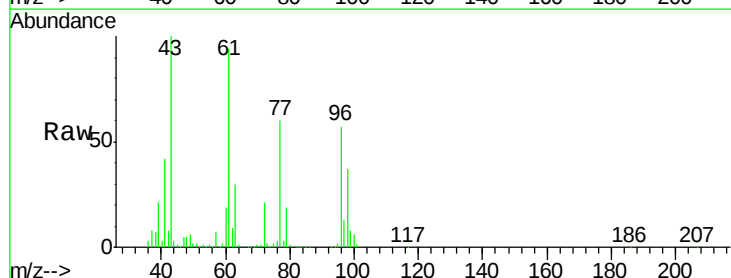
Acq: 26 Aug 2019 09:10

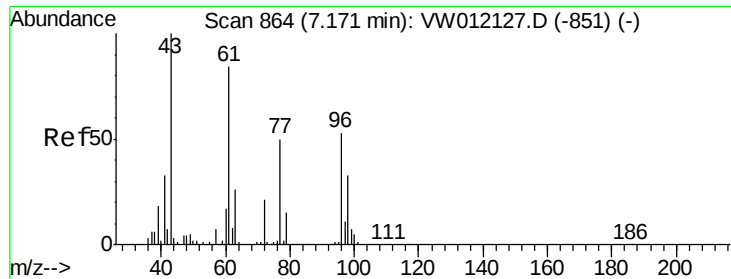
Tgt Ion: 77 Resp: 179743

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.1





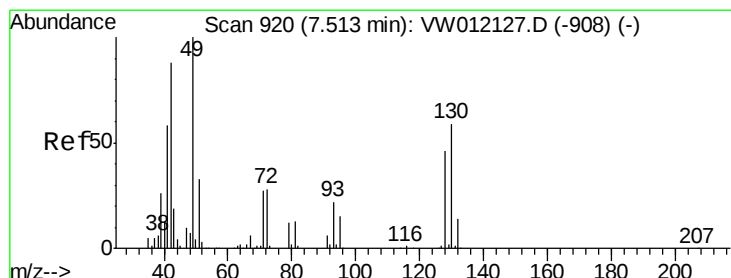
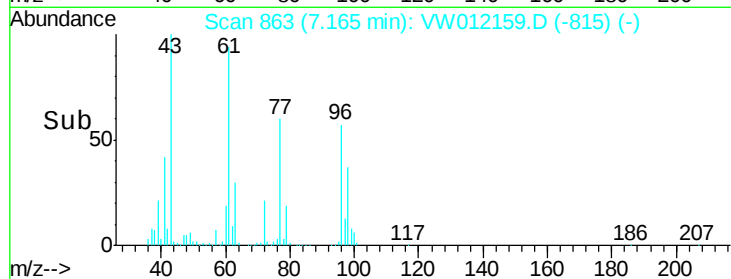
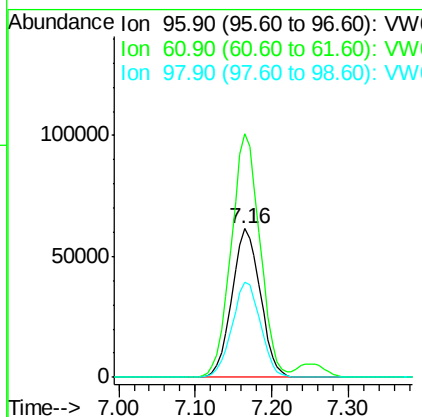
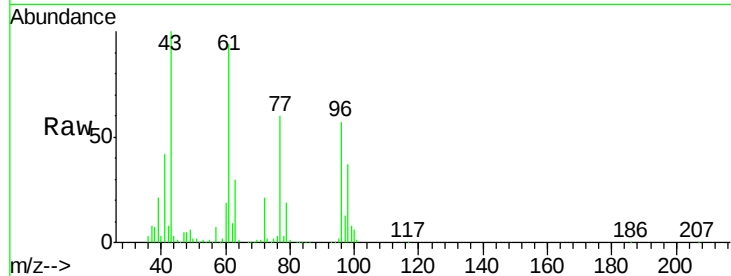
#27
 cis-1,2-Dichloroethene
 Concen: 53.611 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	158323		
61	165.8	0.0	326.6	
98	64.3	0.0	127.4	

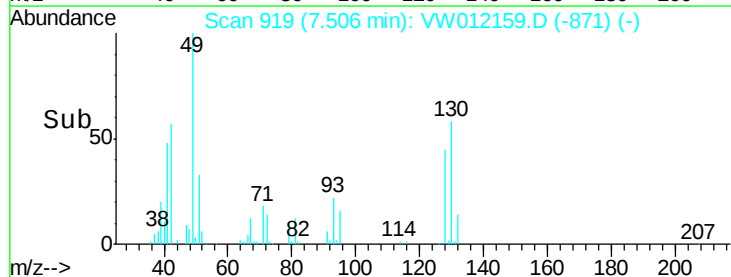
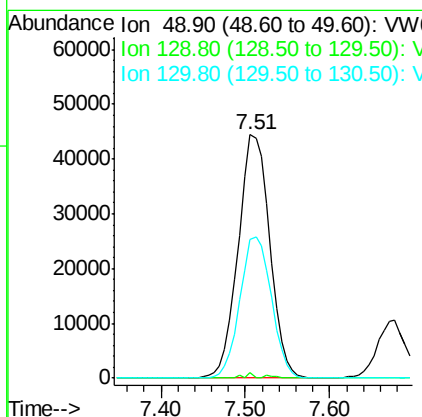
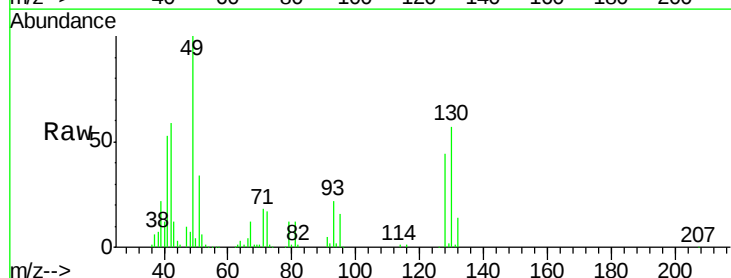
Manual Integrations
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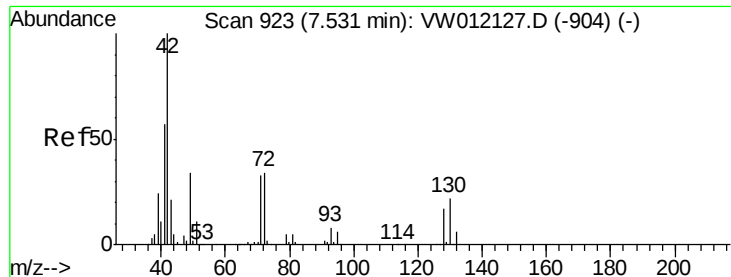
MMDadoda
 8/27/2019 11:03:33 AM



#28
 Bromochloromethane
 Concen: 46.493 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112698		
129	0.6	0.0	1.4	
130	57.8	45.5	68.3	





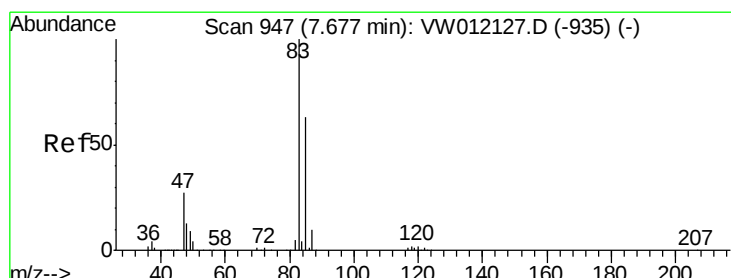
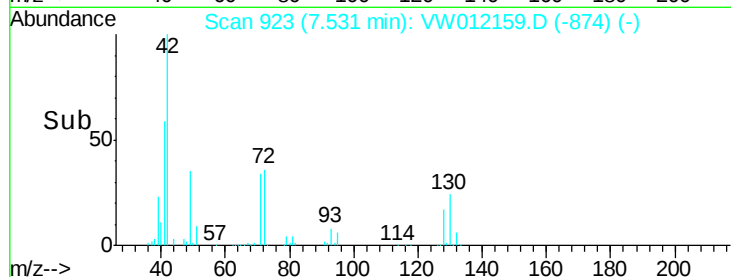
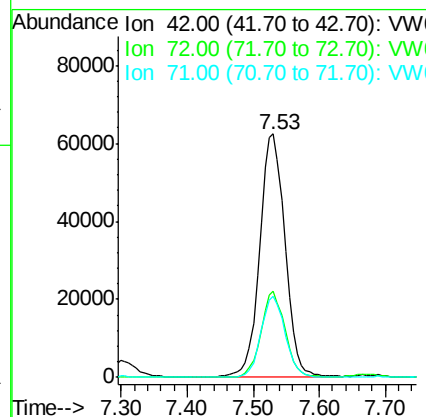
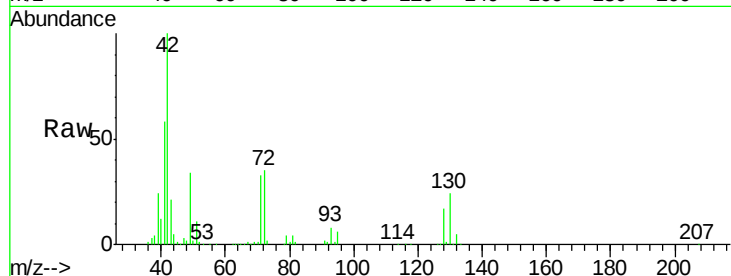
#29
Tetrahydrofuran
Concen: 260.854 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	166066
Ion	Ratio	Lower	Upper
42	100		
72	33.7	27.3	40.9
71	32.2	25.5	38.3

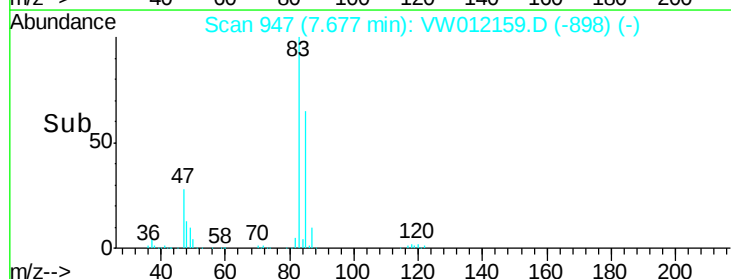
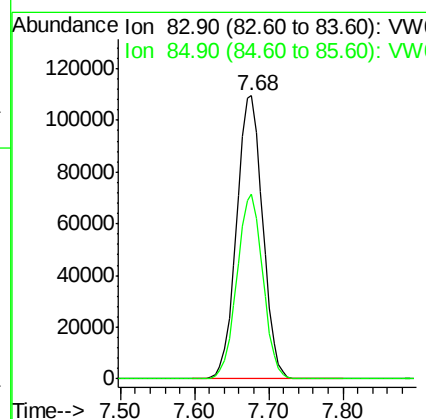
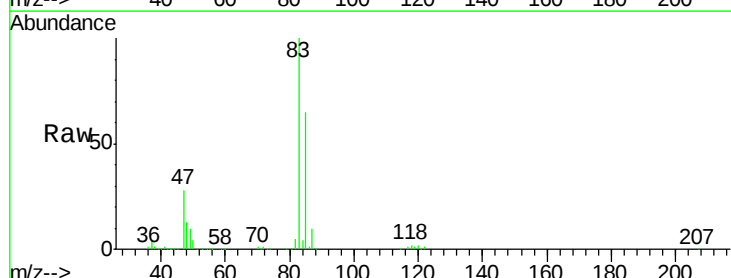
Manual Integrations
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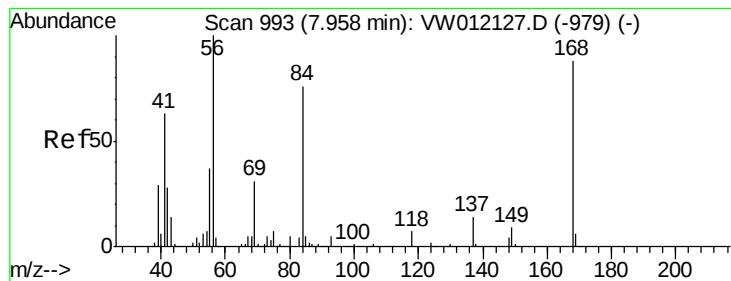
MMDadoda
8/27/2019 11:03:33 AM



#30
Chloroform
Concen: 53.025 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion:	83	Resp:	269801
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.6	76.0





#31

Cyclohexane

Concen: 52.147 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

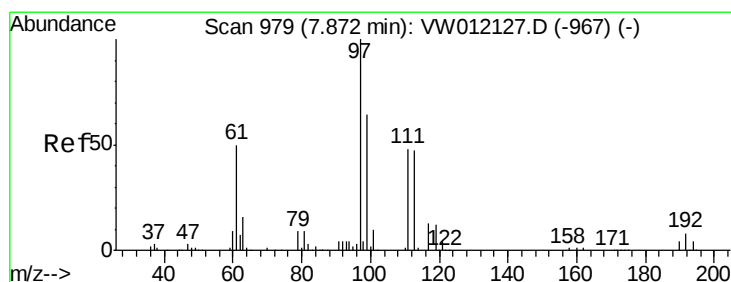
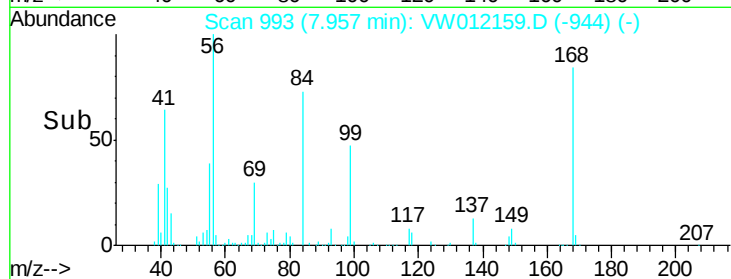
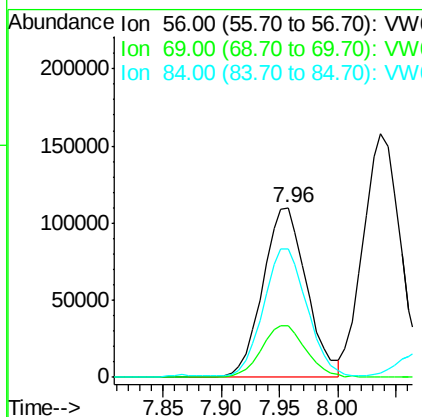
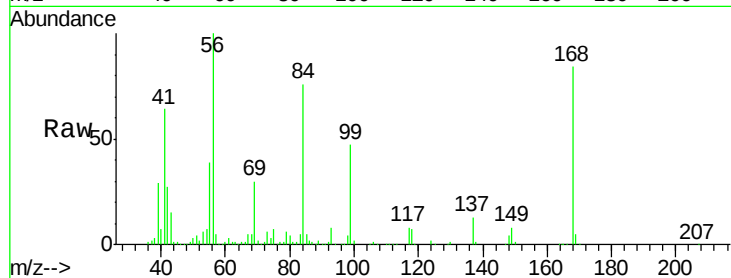
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	286929
Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.9	37.3
84	74.3	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 55.406 ug/l

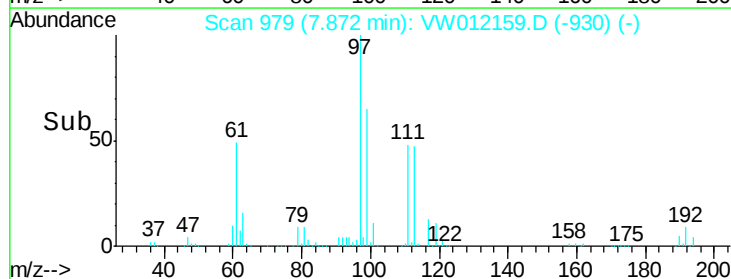
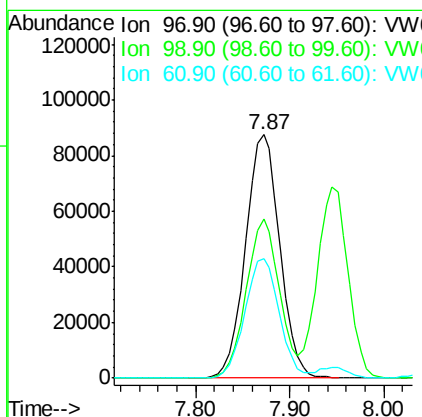
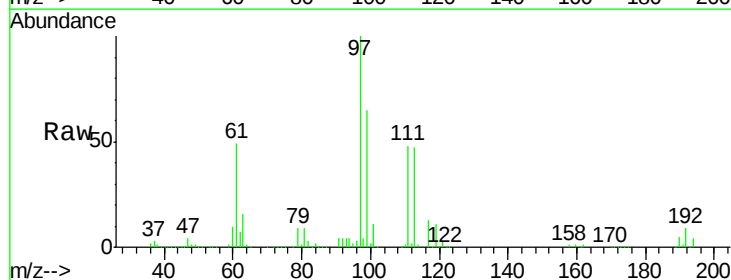
RT: 7.87 min Scan# 979

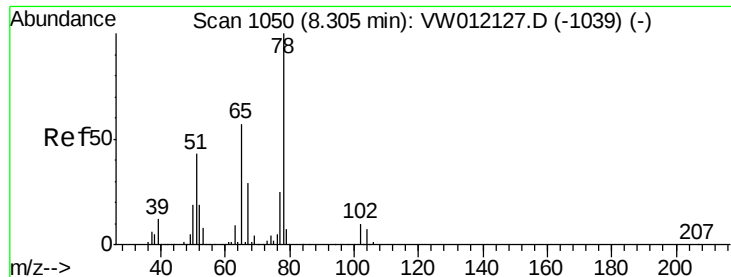
Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	97	Resp:	223016
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	49.5	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 48.076 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 146864

Ion Ratio Lower Upper

65 100

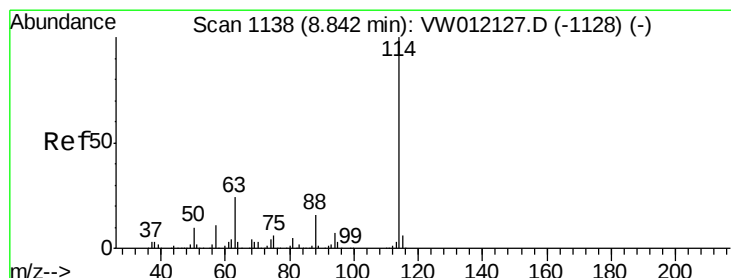
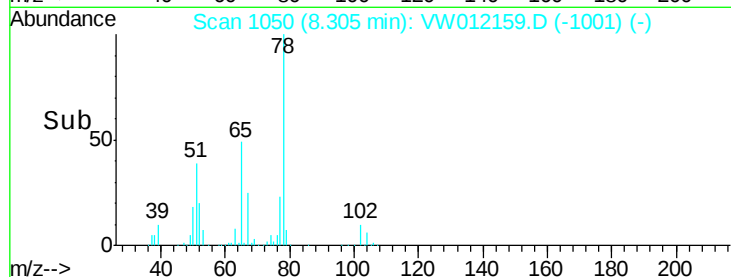
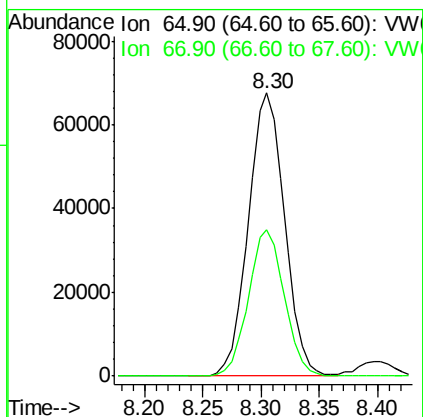
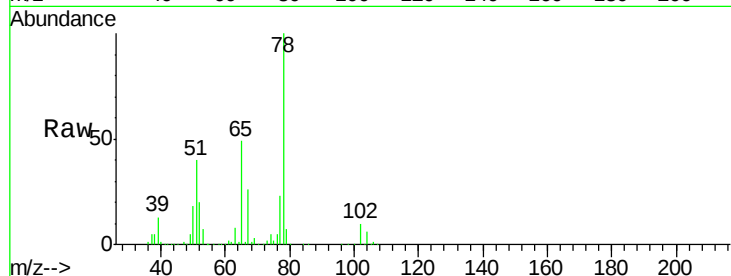
67 51.3 0.0 102.6

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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: VW012159.D

Acq: 26 Aug 2019 09:10

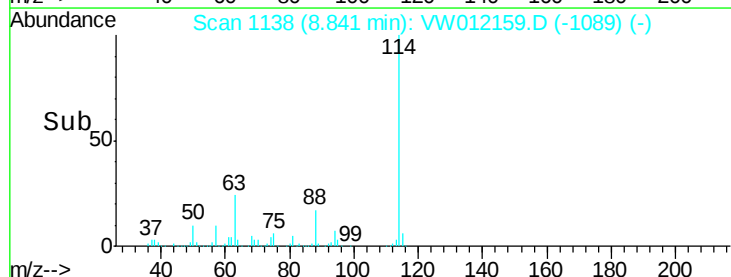
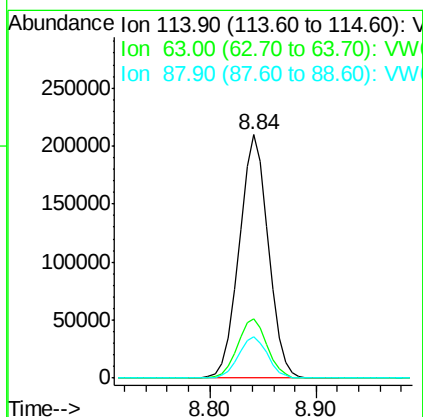
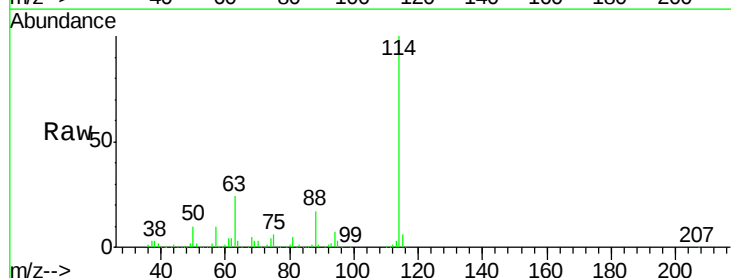
Tgt Ion: 114 Resp: 401810

Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

88 17.1 0.0 32.2





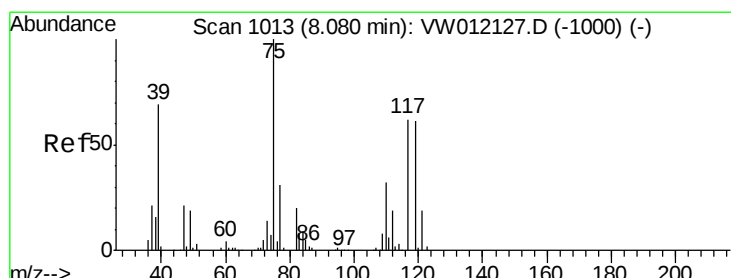
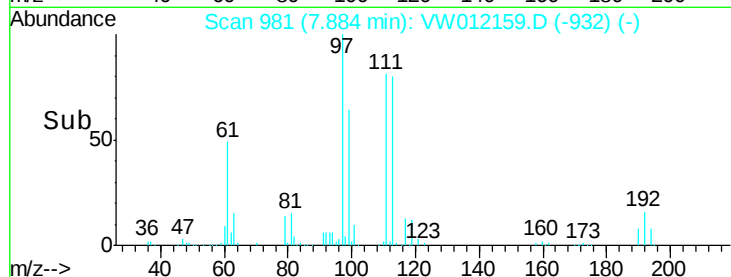
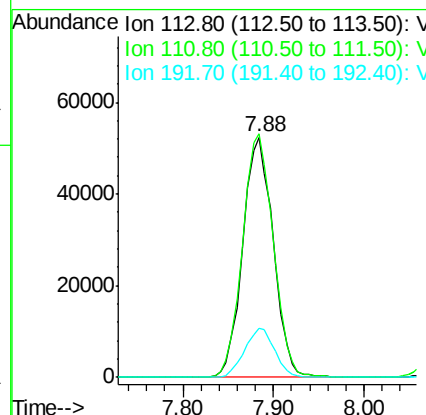
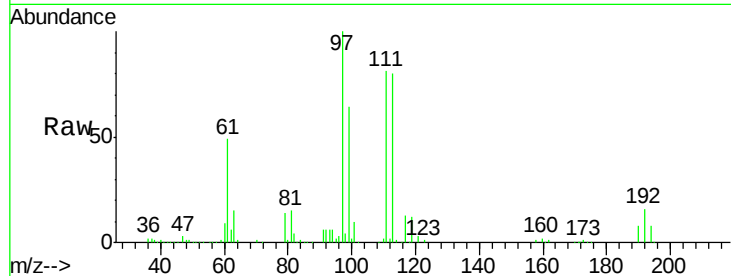
#35
 Dibromofluoromethane
 Concen: 50.806 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121854		
111	102.6	82.7	124.1	
192	20.1	16.2	24.2	

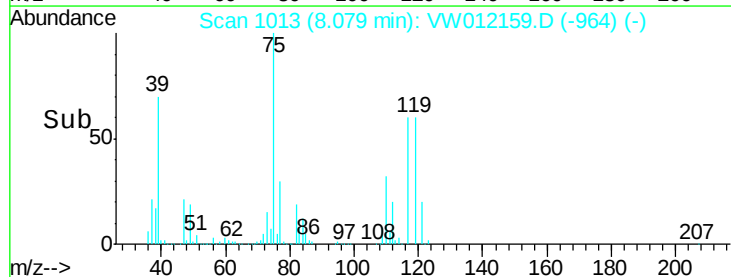
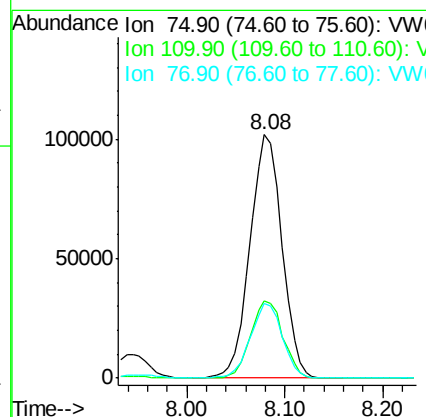
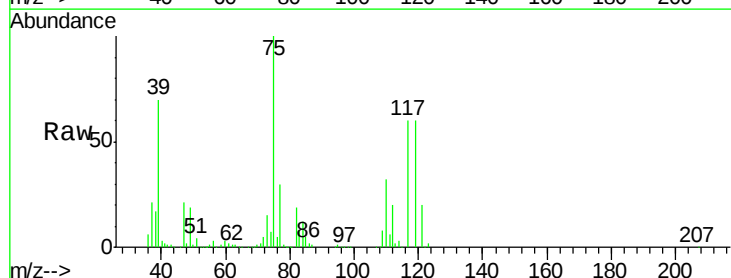
Manual Integrations
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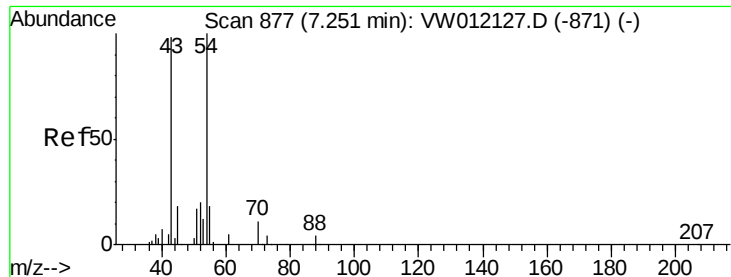
MMDadoda
 8/27/2019 11:03:33 AM



#36
 1,1-Dichloropropene
 Concen: 55.811 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	231740		
110	31.8	15.6	46.8	
77	30.7	24.6	36.8	





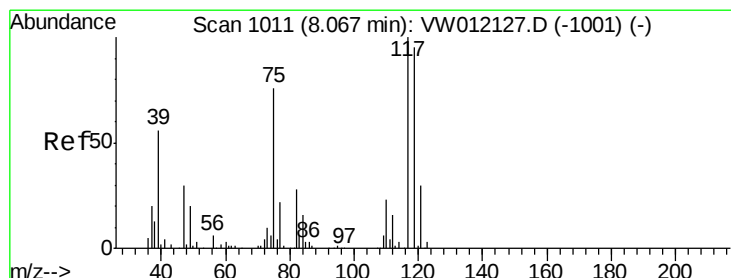
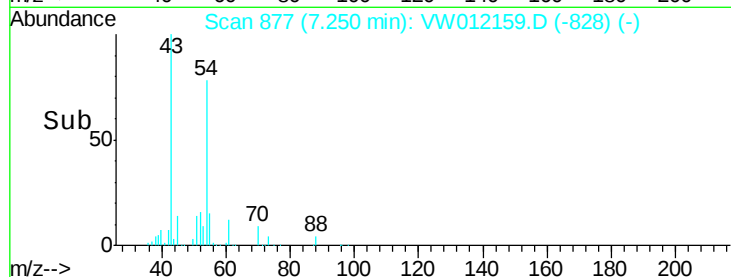
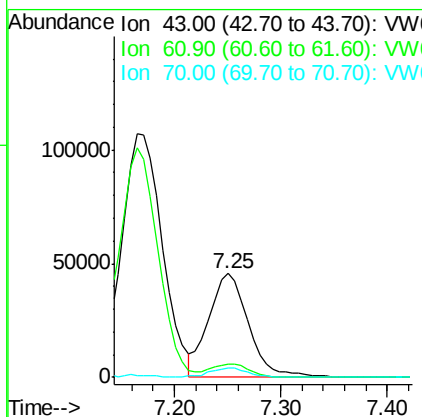
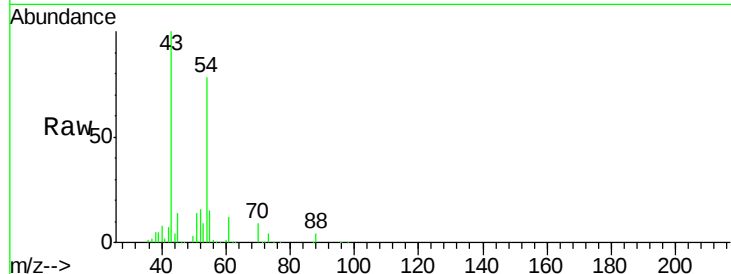
#37
Ethyl Acetate
Concen: 51.592 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	117390		
61	12.1		9.2	13.8
70	8.6		6.9	10.3

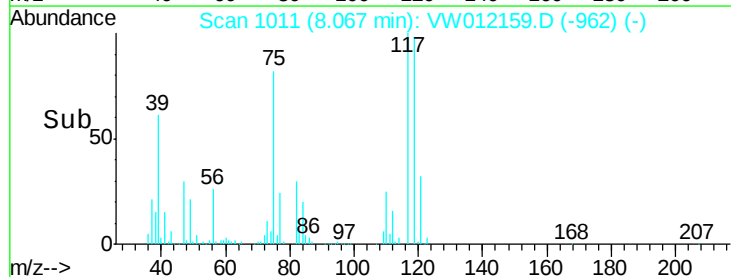
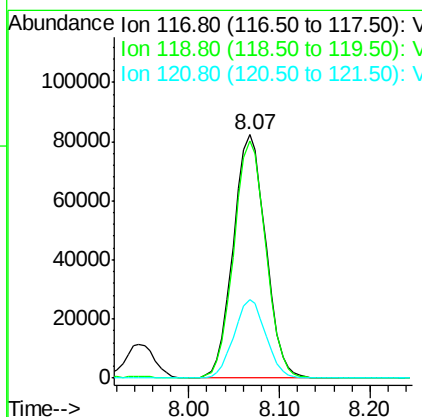
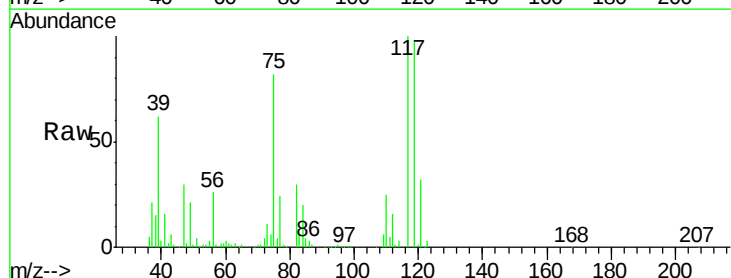
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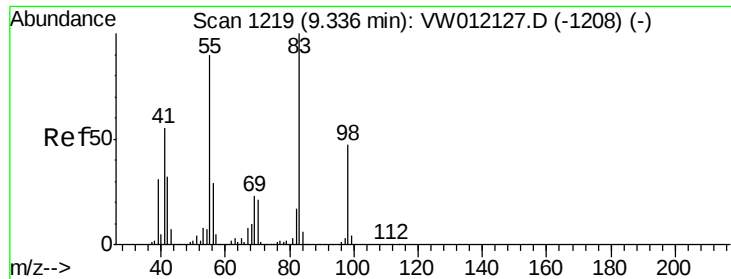
MMDadoda
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#38
Carbon Tetrachloride
Concen: 56.738 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	203908		
119	97.6		76.2	114.2
121	32.2		23.8	35.8





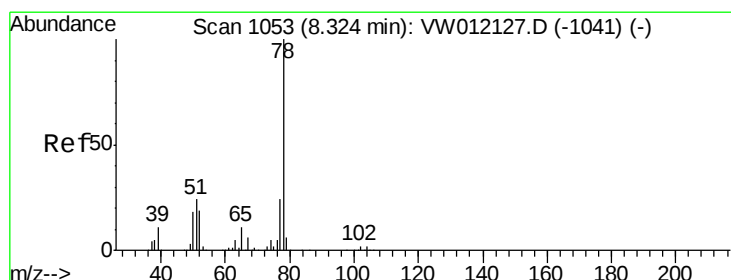
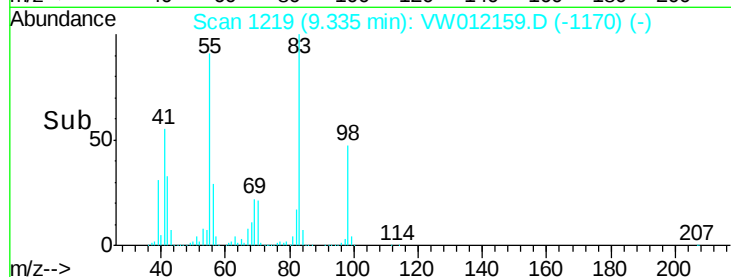
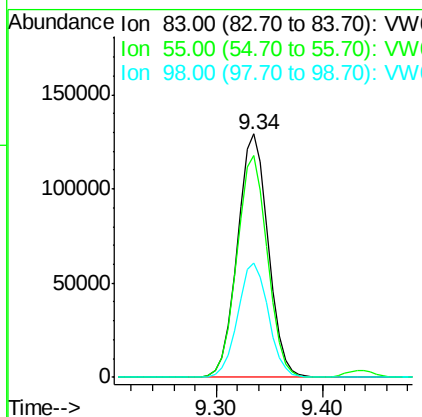
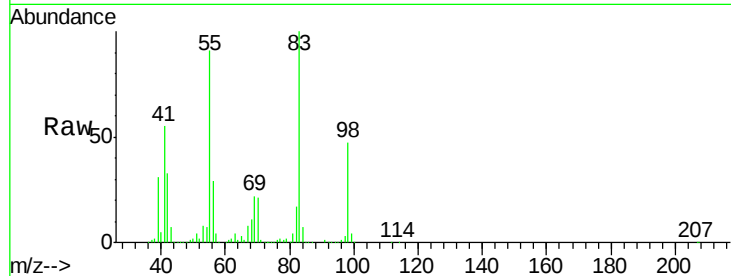
#39
Methvlcvclohexane
Concen: 56.266 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.0	71.8	107.8
98	46.9	37.8	56.8

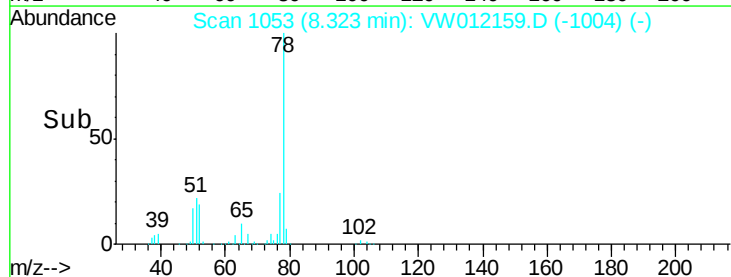
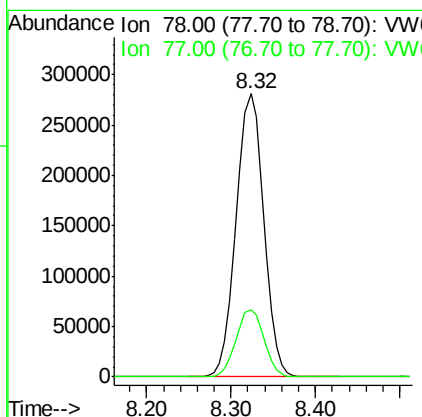
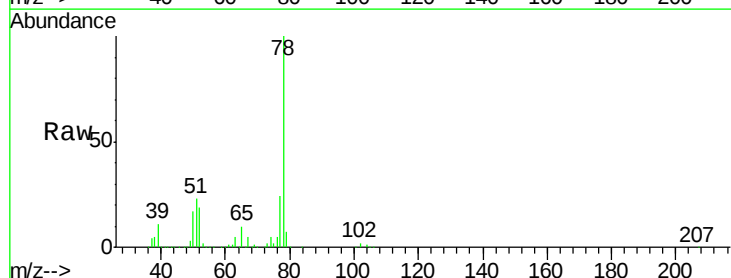
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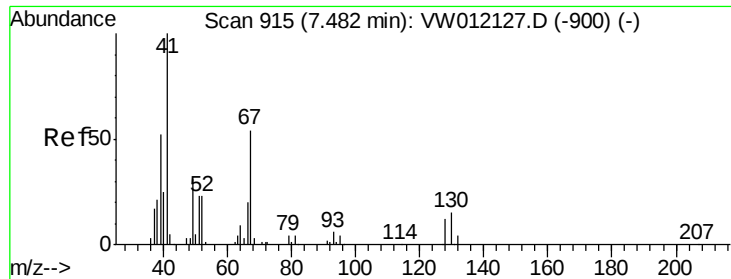
MMDadoda
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#40
Benzene
Concen: 54.803 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





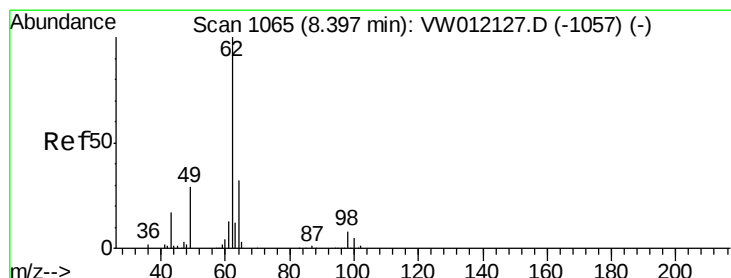
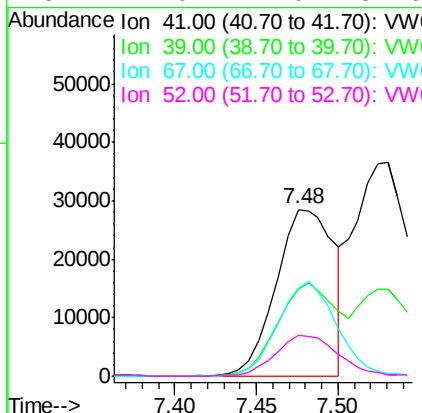
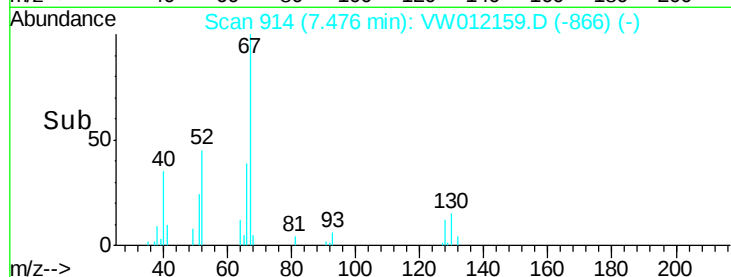
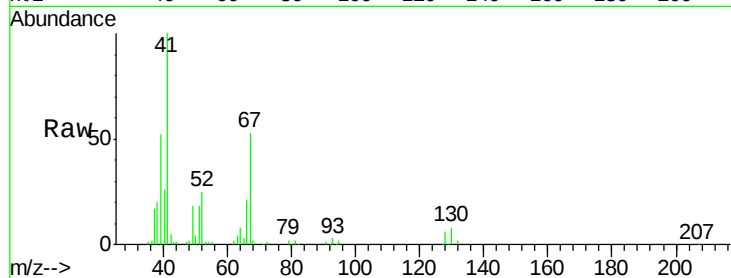
#41
Methacrylonitrile
Concen: 52.294 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	69934
Ion Ratio	Lower	Upper	
41	100		
39	58.5	45.8	68.8
67	57.7	46.2	69.4
52	27.0	21.0	31.6

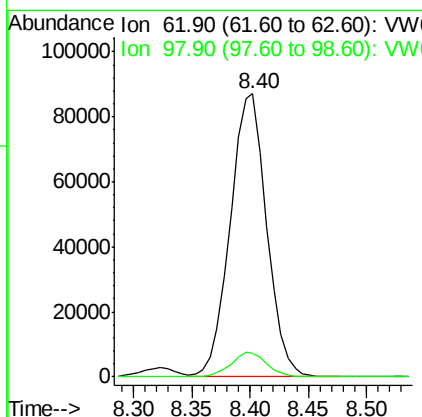
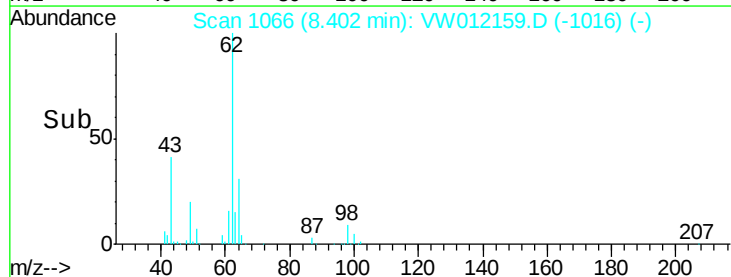
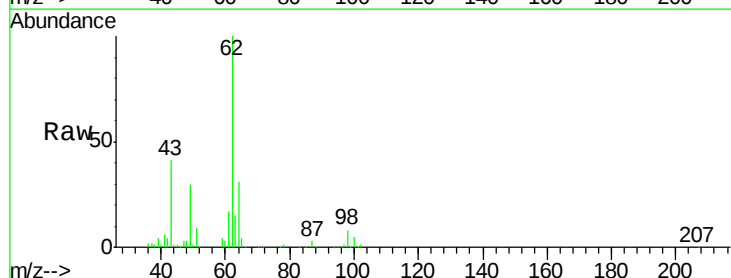
Manual Integrations
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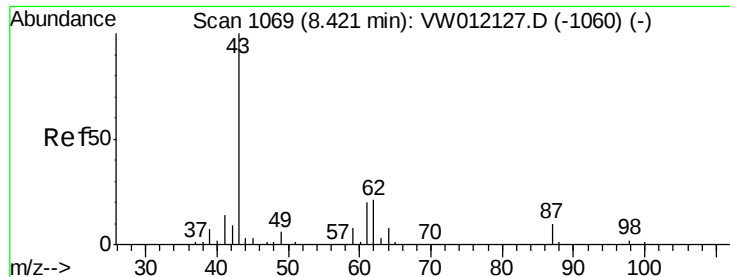
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.189 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	62	Resp	189004
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 52.173 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

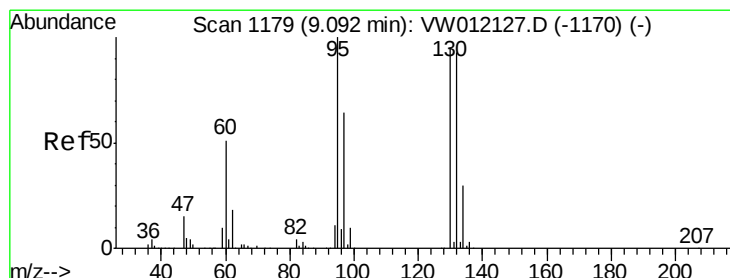
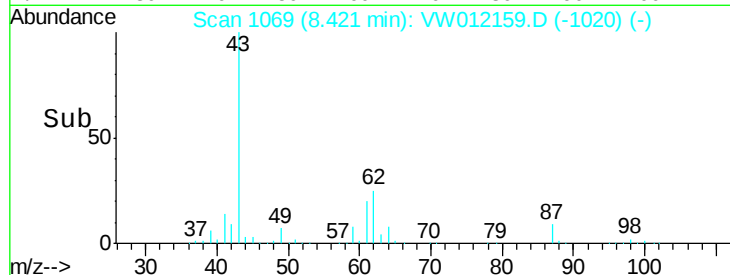
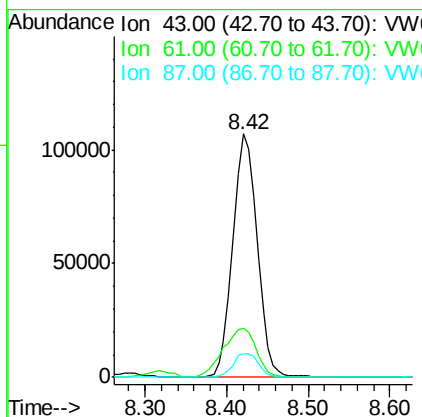
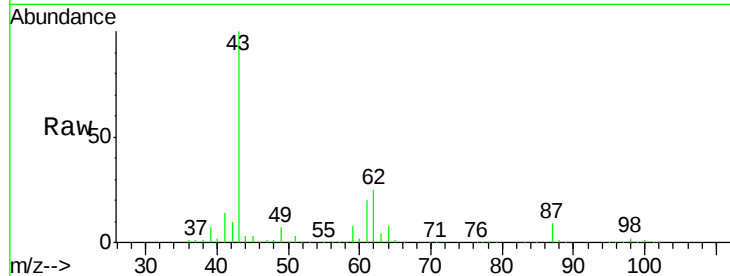
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	219893
Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.1	31.7
87	10.3	8.2	12.2

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#44

Trichloroethene

Concen: 54.916 ug/l

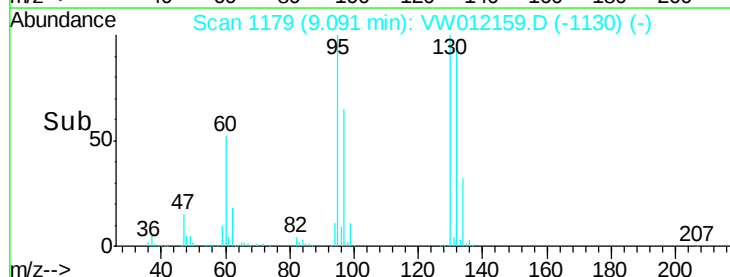
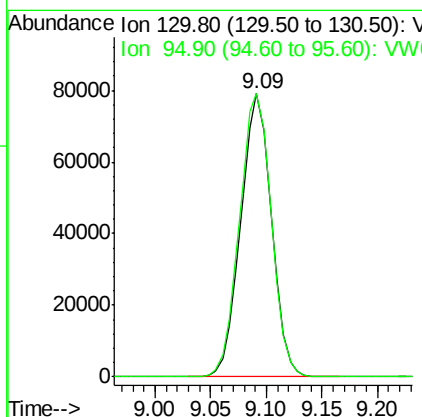
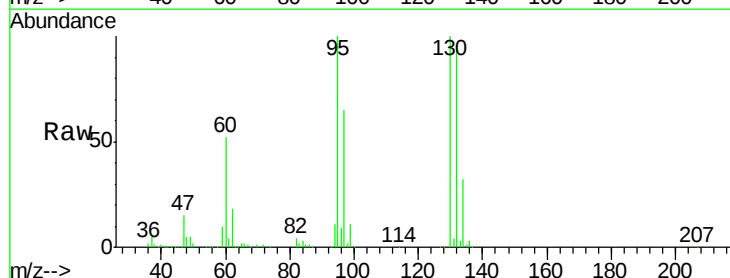
RT: 9.09 min Scan# 1179

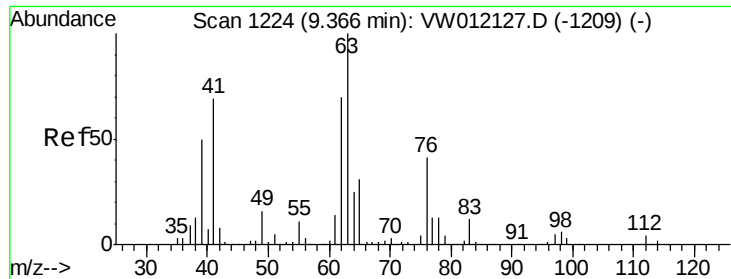
Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	130	Resp:	151362
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	210.6





#45

1,2-Dichloropropane

Concen: 54.199 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 165383

Ion Ratio Lower Upper

63 100

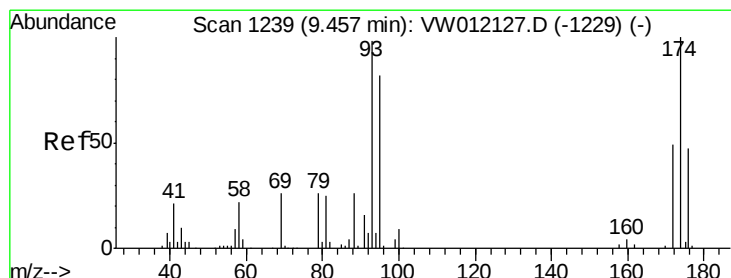
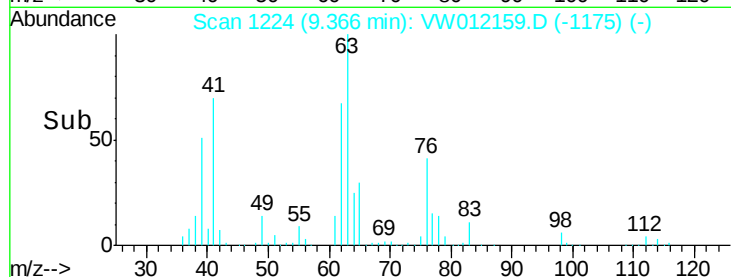
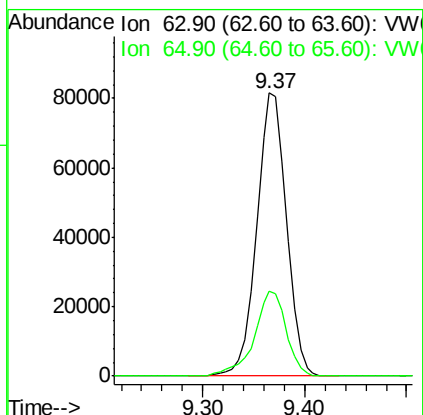
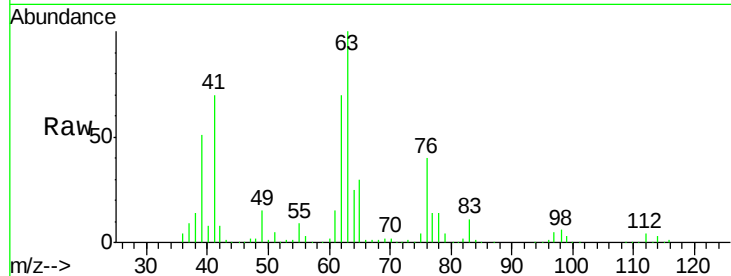
65 30.2 25.0 37.4

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#46

Dibromomethane

Concen: 53.315 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

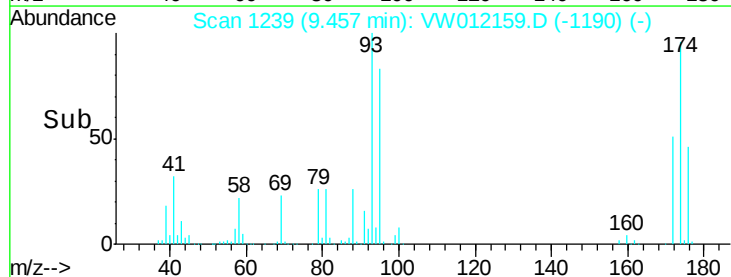
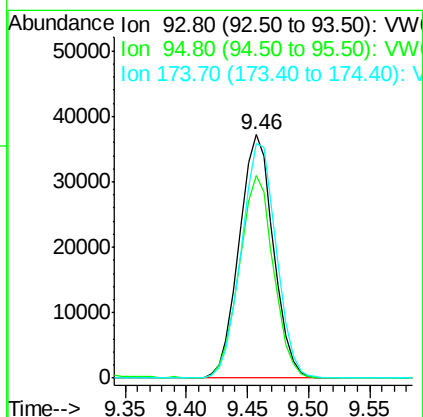
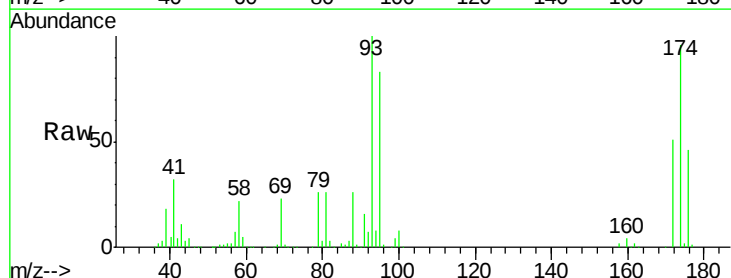
Tgt Ion: 93 Resp: 72384

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

174 98.8 79.0 118.6





#47

Bromodichloromethane

Concen: 54.891 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

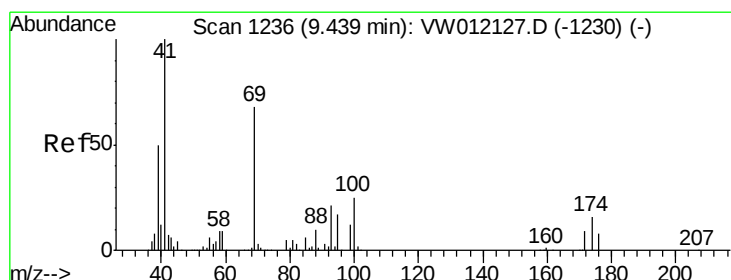
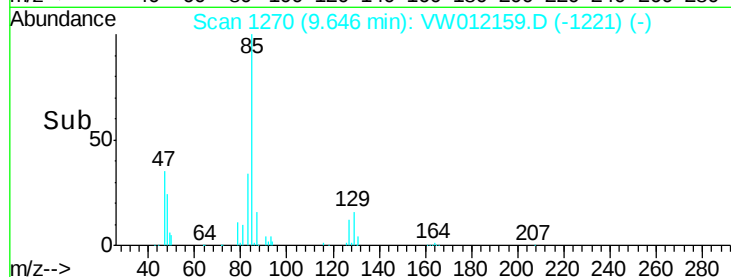
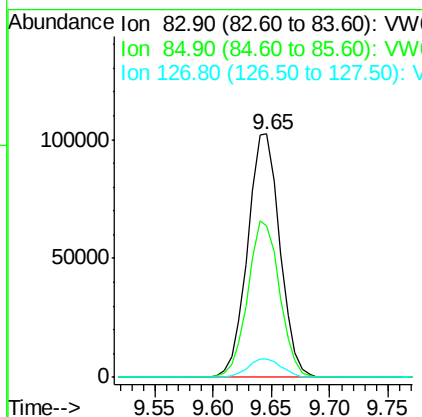
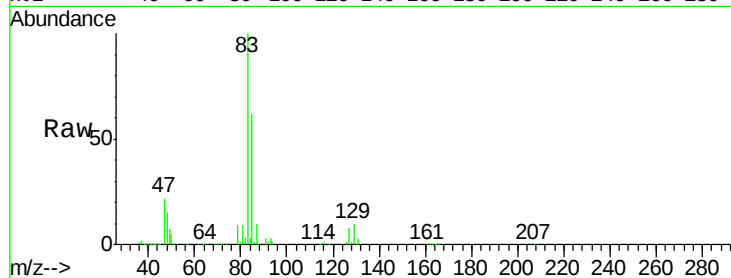
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	198338
Ion Ratio	Lower	Upper	
83	100		
85	62.3	49.4	74.2
127	7.6	6.1	9.1

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#48

Methyl methacrylate

Concen: 53.051 ug/l

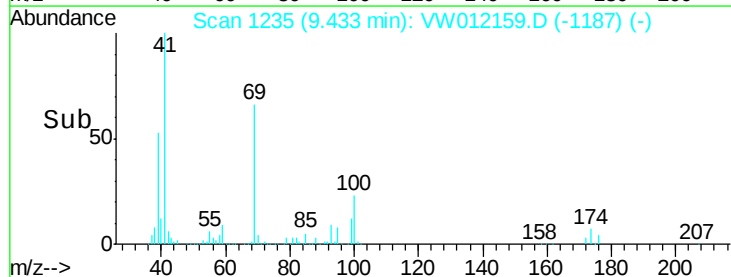
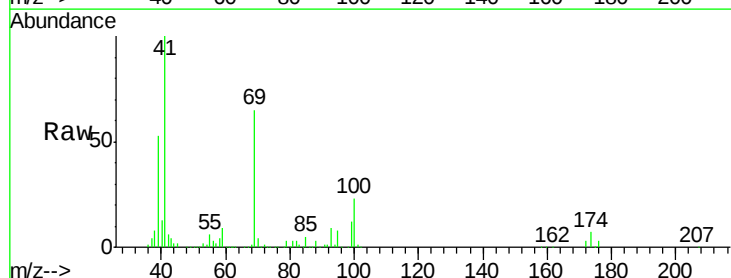
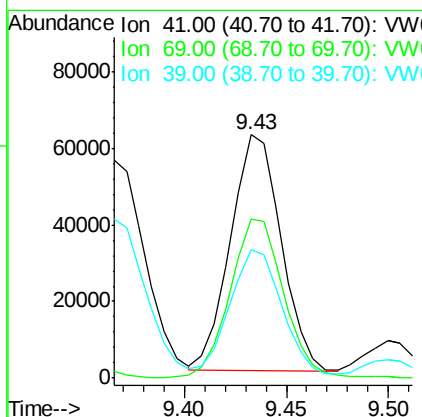
RT: 9.43 min Scan# 1235

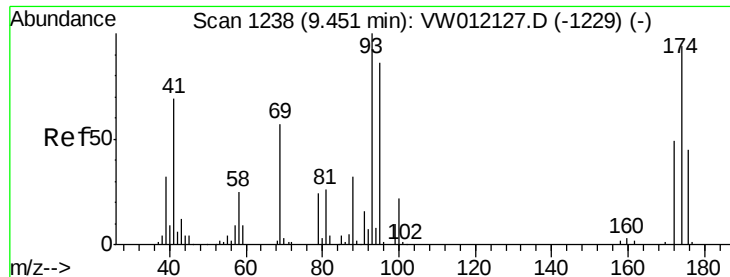
Delta R.T. -0.01 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	41	Resp:	106419
Ion Ratio	Lower	Upper	
41	100		
69	71.6	56.7	85.1
39	53.7	42.0	63.0





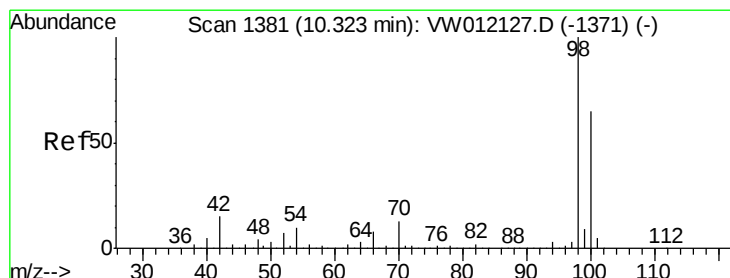
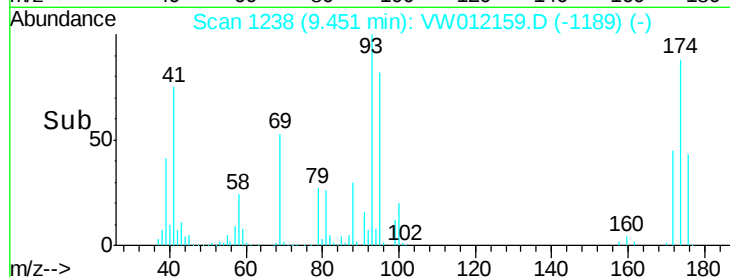
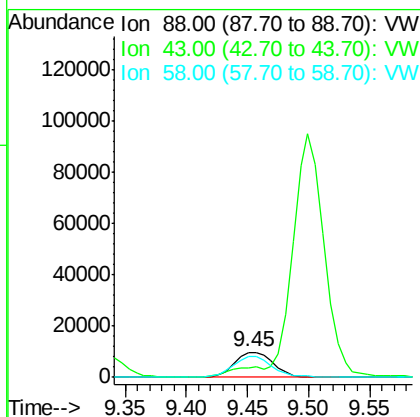
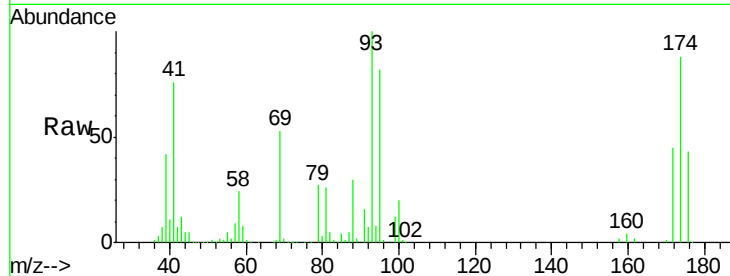
#49
 1,4-Dioxane
 Concen: 1027.032 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	21346
Ion Ratio	Lower	Upper	
88	100		
43	0.0	32.9	49.3#
58	86.8	71.0	106.4

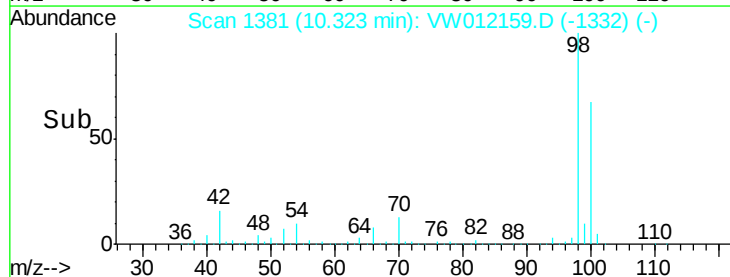
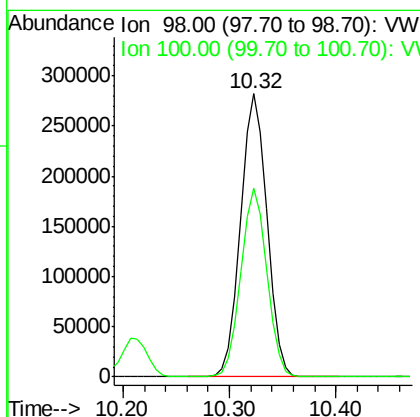
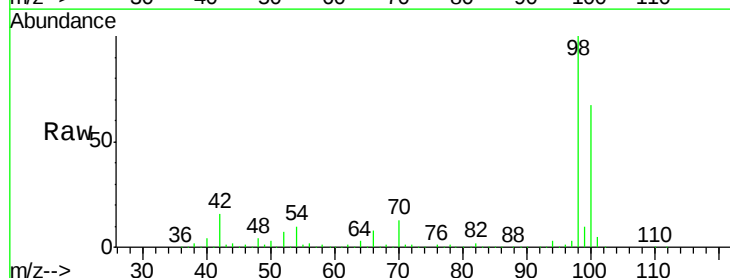
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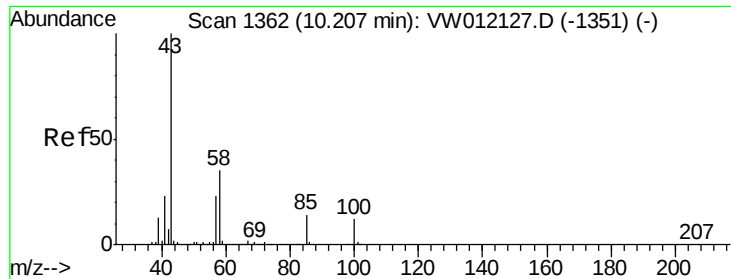
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#50
 Toluene-d8
 Concen: 50.597 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Tgt Ion	98	Resp	492046
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 263.392 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 564640

Ion Ratio Lower Upper

43 100

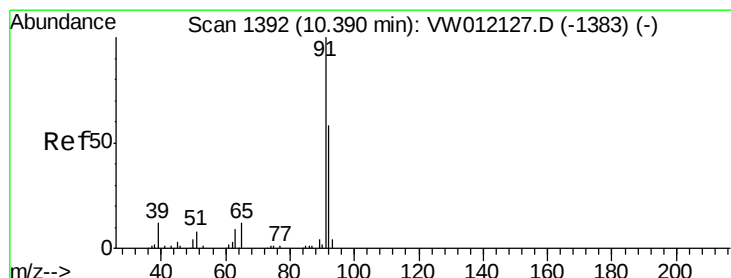
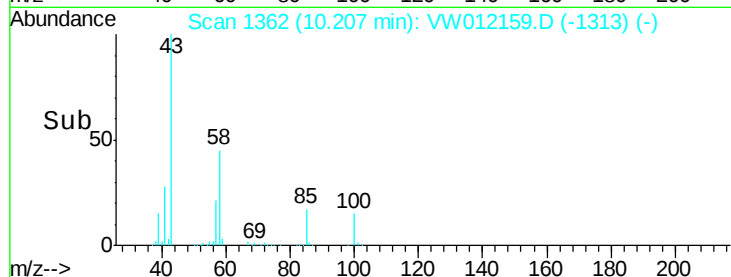
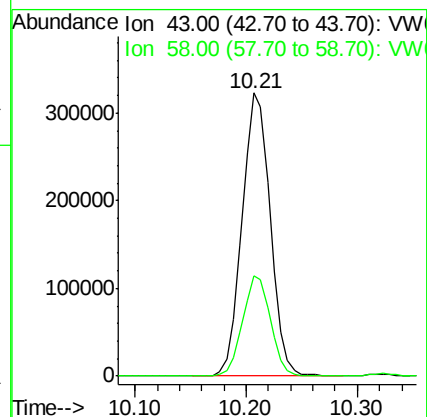
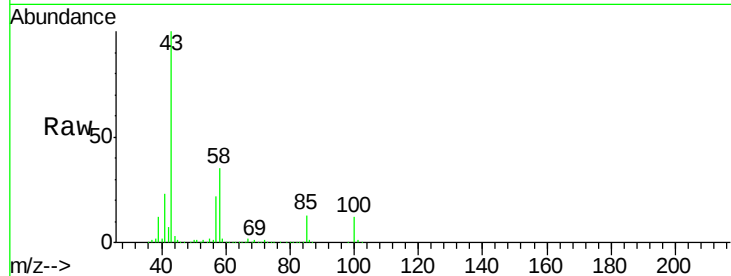
58 35.2 28.2 42.2

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#52

Toluene

Concen: 54.951 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012159.D

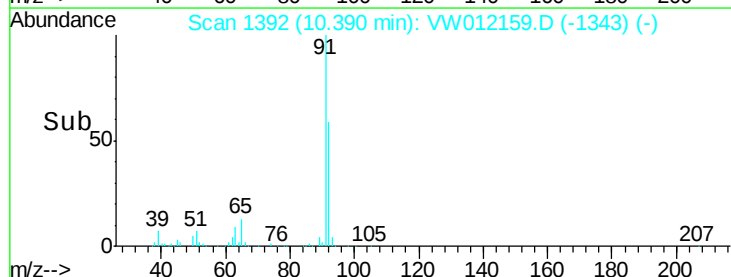
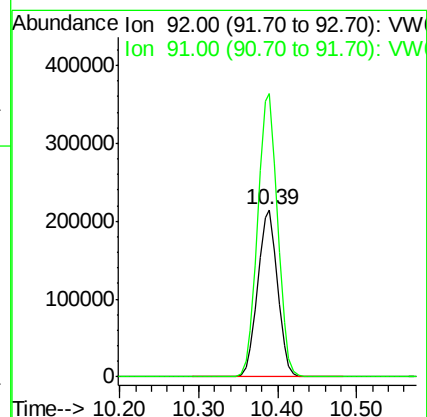
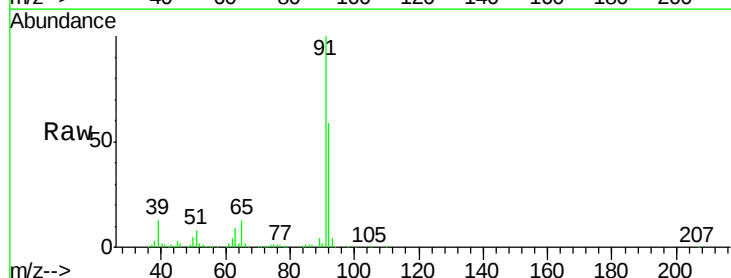
Acq: 26 Aug 2019 09:10

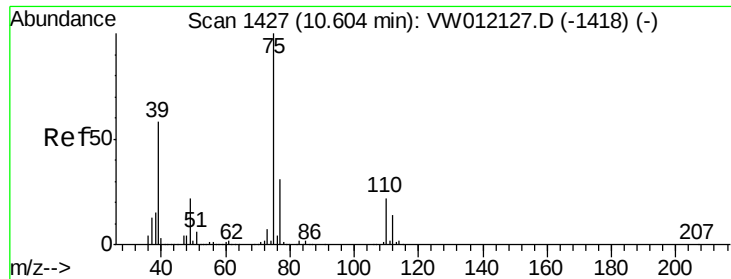
Tgt Ion: 92 Resp: 374281

Ion Ratio Lower Upper

92 100

91 171.1 136.6 204.8





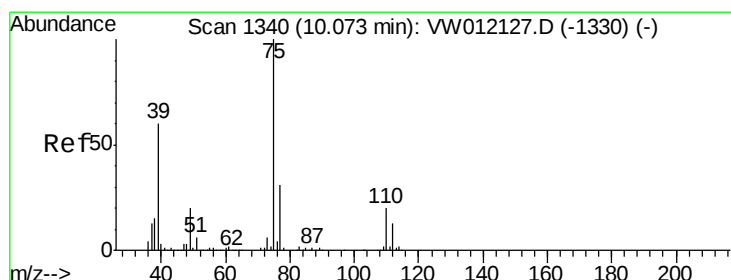
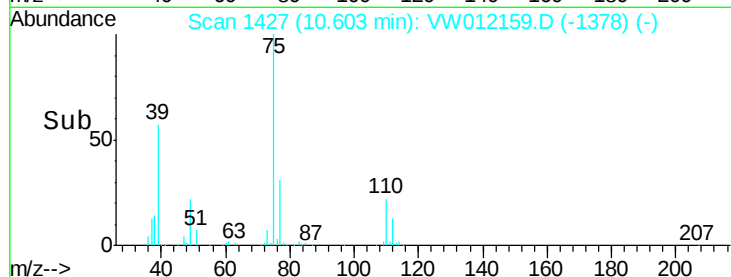
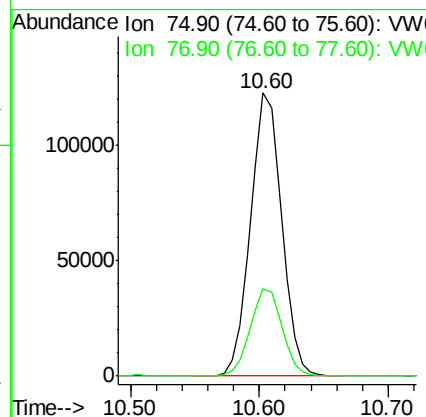
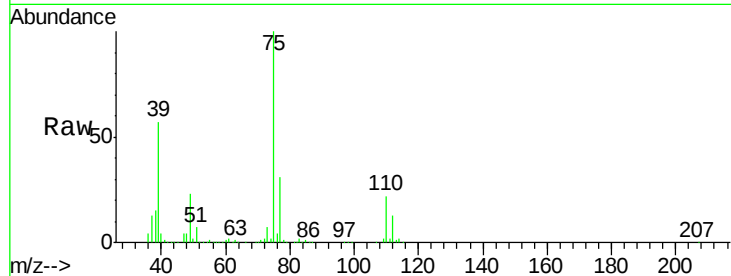
#53
t-1,3-Dichloropropene
Concen: 55.658 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 204853
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.4

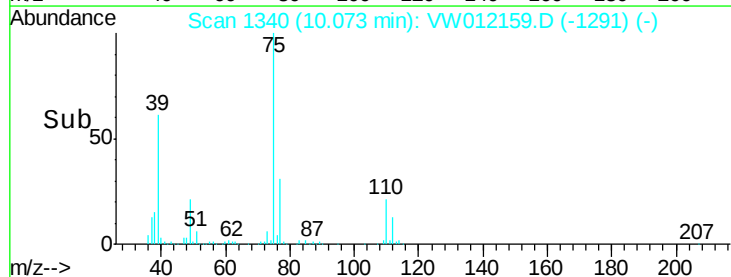
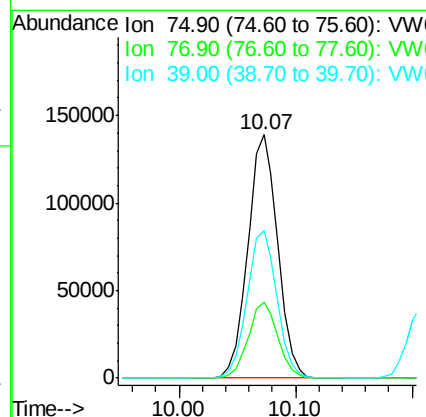
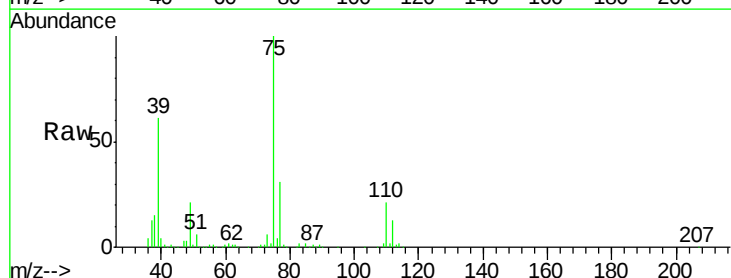
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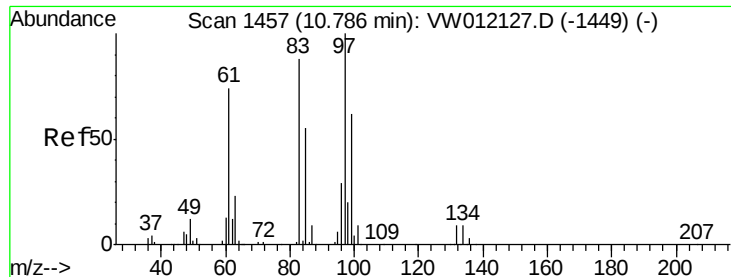
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#54
cis-1,3-Dichloropropene
Concen: 55.522 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion: 75 Resp: 246745
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7
39 60.8 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 53.423 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

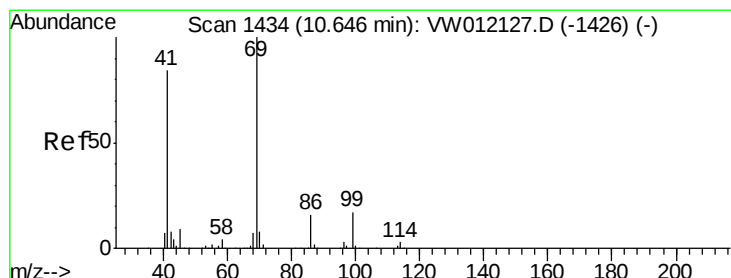
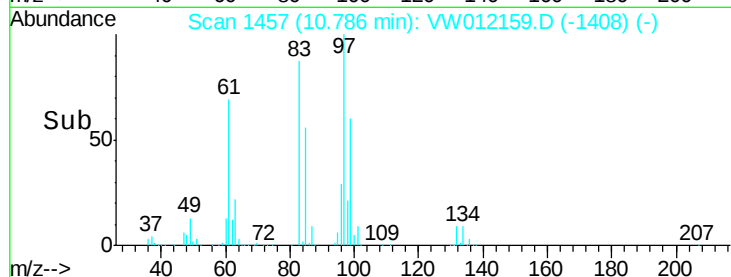
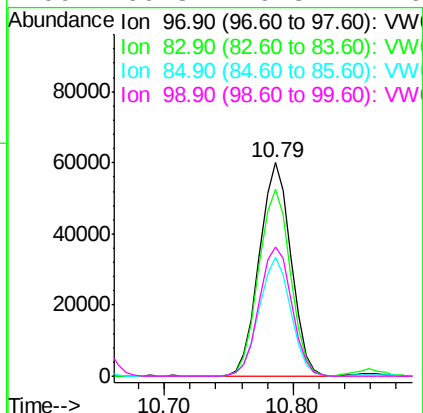
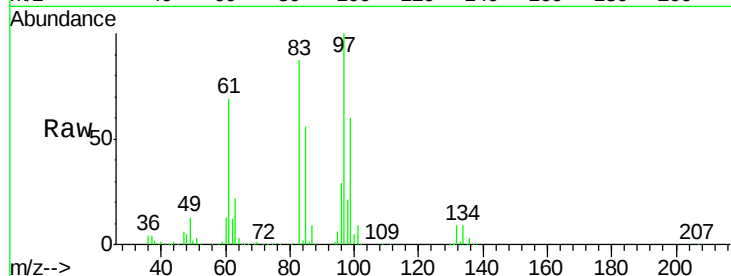
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	102620
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.8	106.2
85	55.7	43.8	65.8
99	60.3	49.8	74.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.889 ug/l

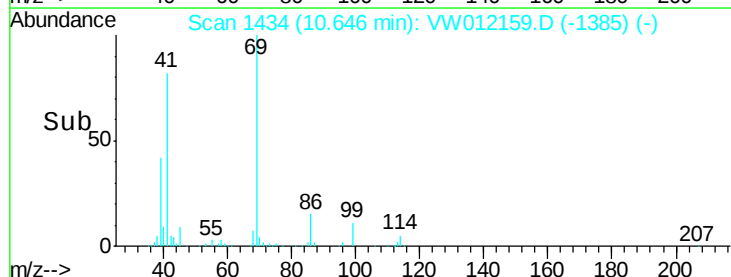
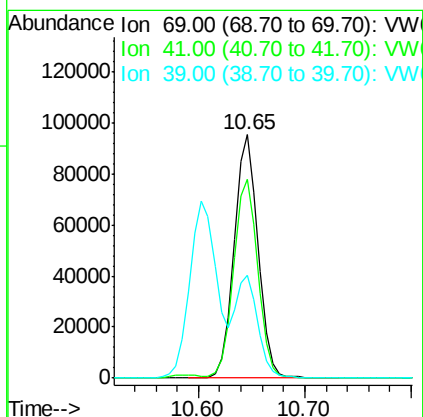
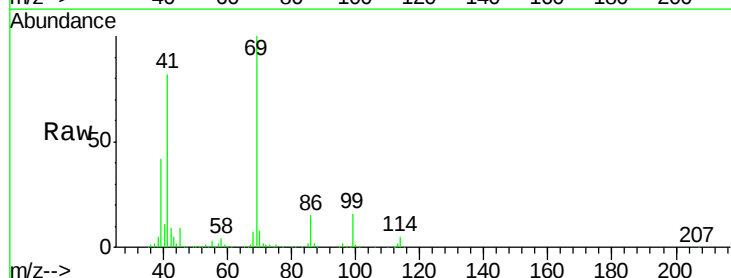
RT: 10.65 min Scan# 1434

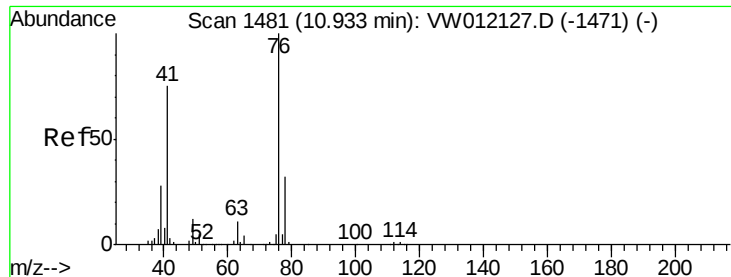
Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	69	Resp:	150657
Ion	Ratio	Lower	Upper
69	100		
41	82.6	66.5	99.7
39	39.3	31.0	46.4





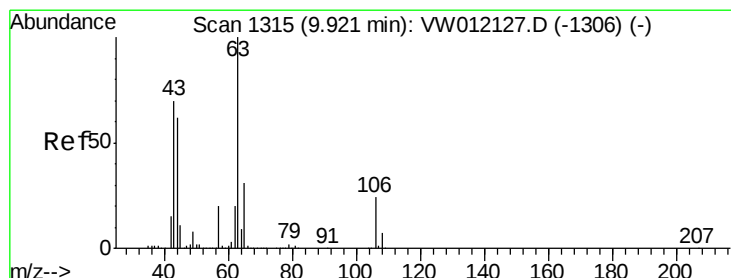
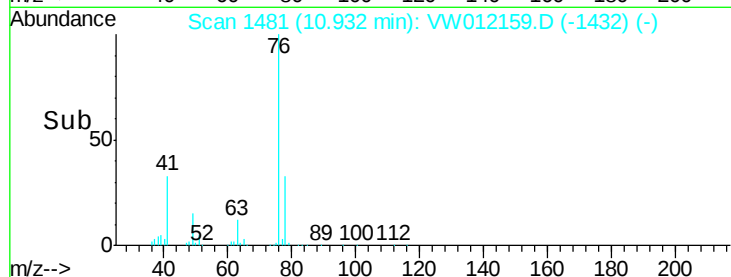
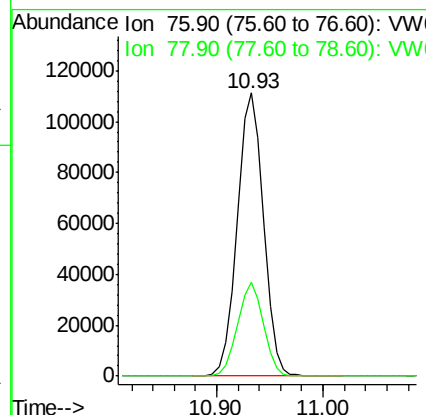
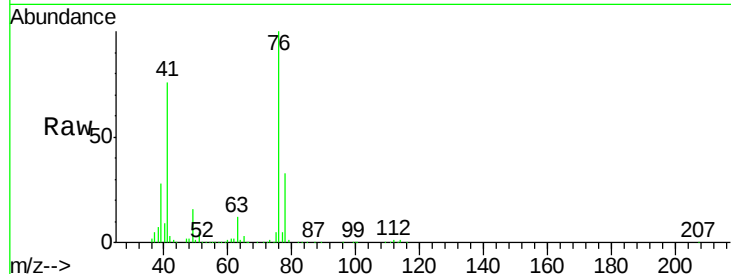
#57
 1,3-Dichloropropane
 Concen: 52.989 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 192349
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

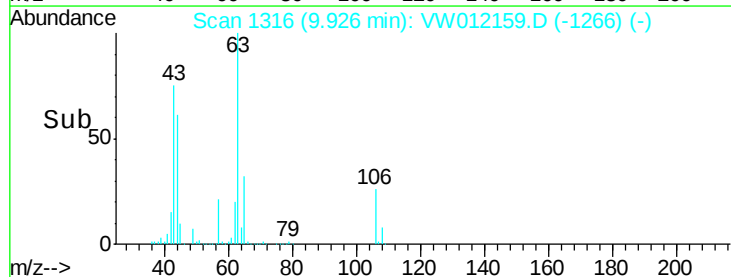
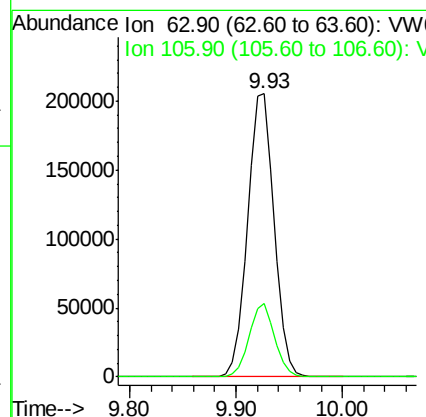
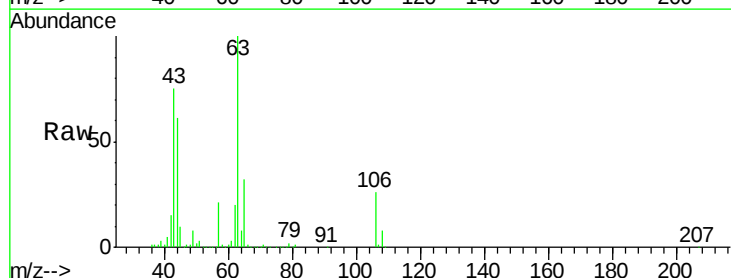
Manual Integrations
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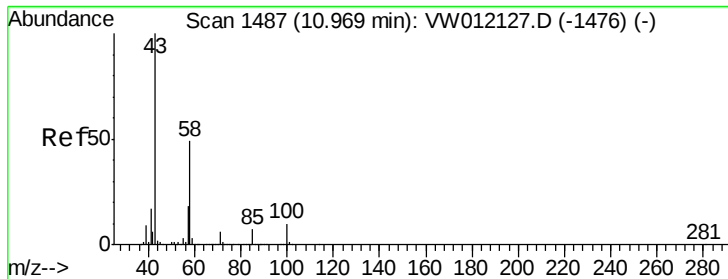
MMDadoda
 8/27/2019 11:03:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.512 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Tgt Ion: 63 Resp: 359439
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8





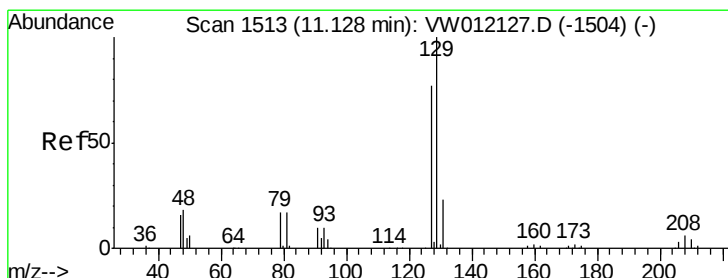
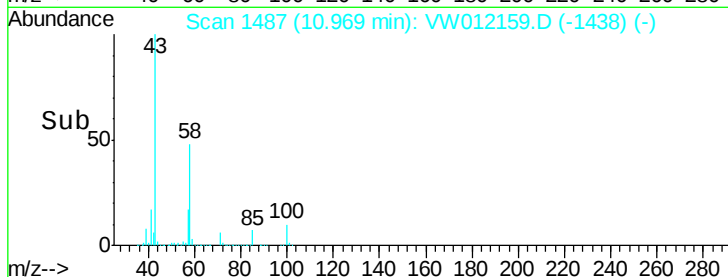
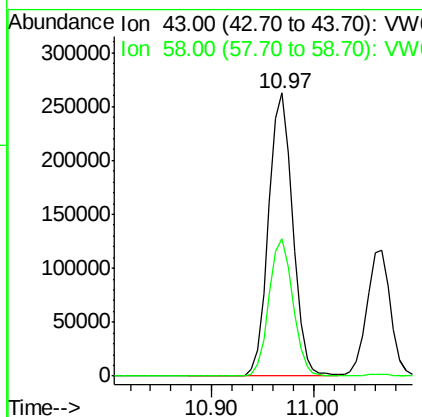
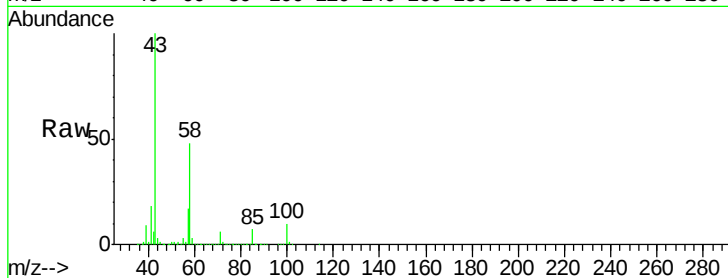
#59
2-Hexanone
Concen: 282.761 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 428898
Ion Ratio Lower Upper
43 100
58 48.2 24.3 72.9

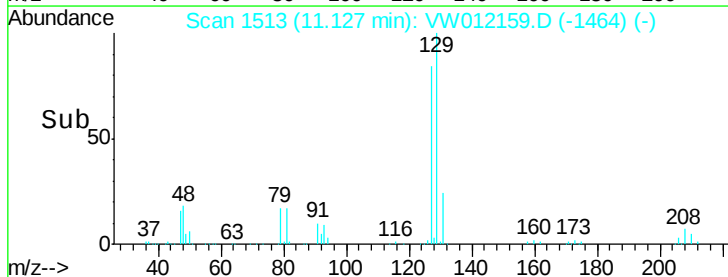
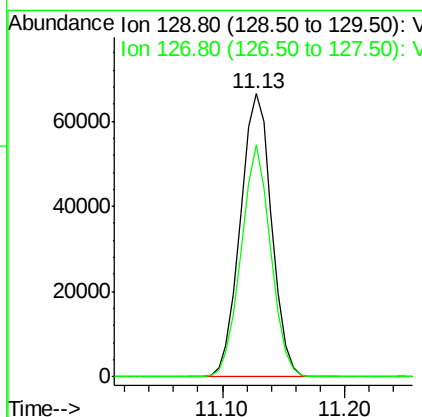
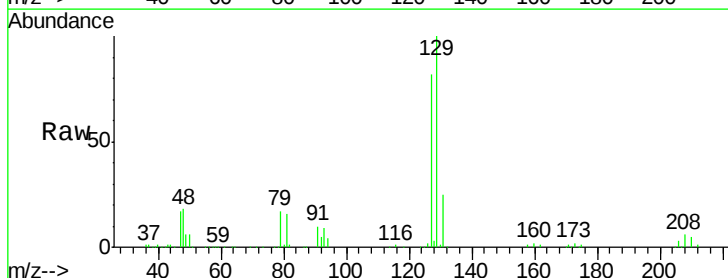
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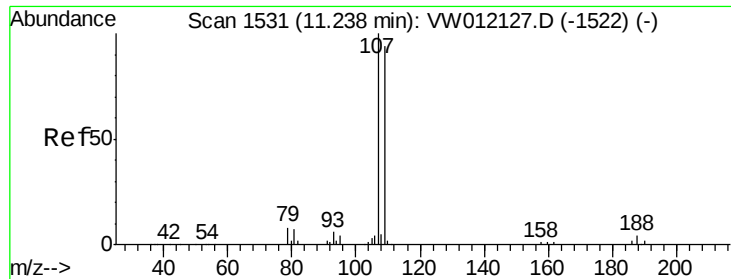
MMDadoda
8/27/2019 11:03:33 AM



#60
Dibromochloromethane
Concen: 54.957 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion: 129 Resp: 117583
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





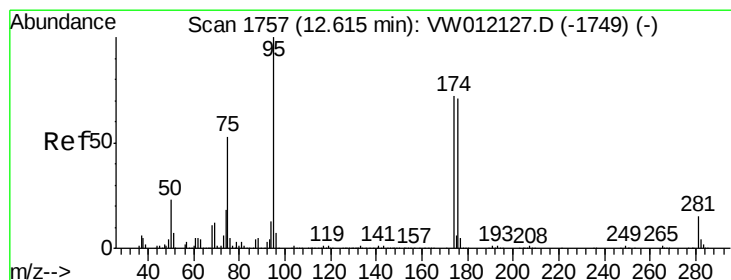
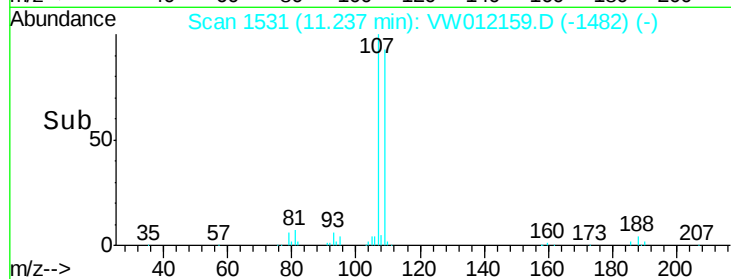
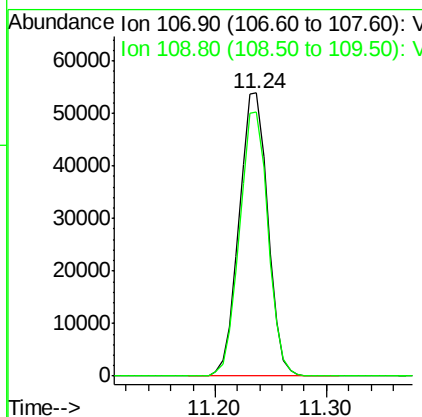
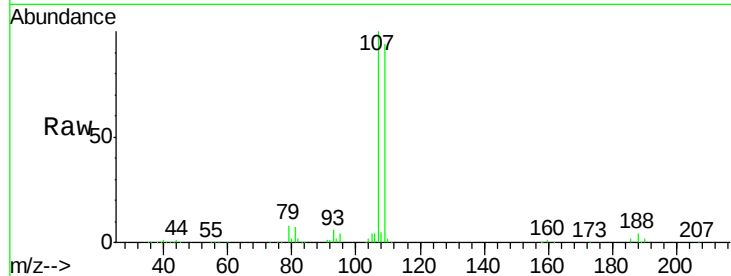
#61
 1,2-Dibromoethane
 Concen: 53.975 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 96591
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.4 113.2

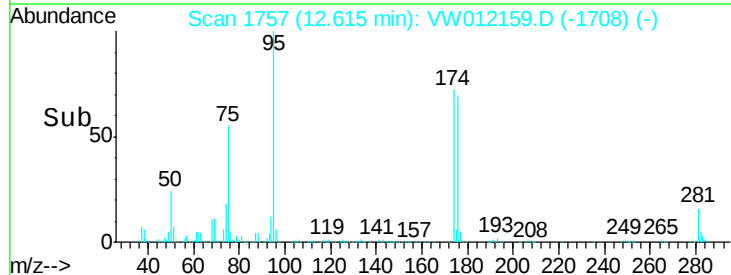
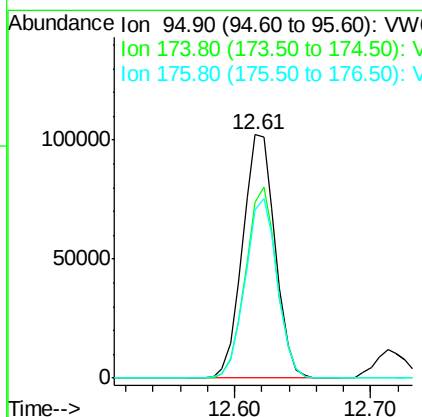
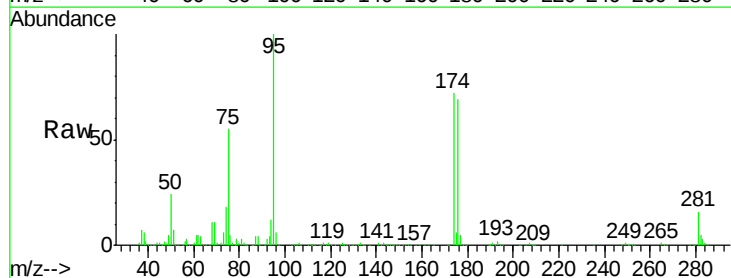
Manual Integrations
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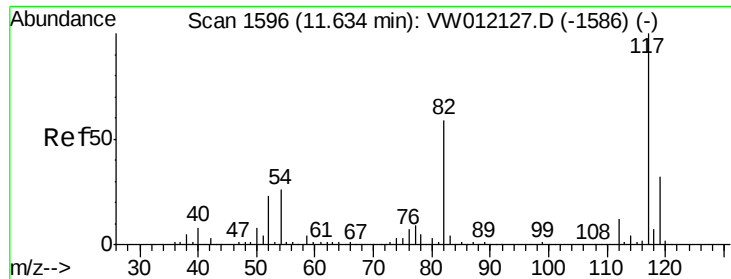
MMDadoda
 8/27/2019 11:03:33 AM



#62
 4-Bromofluorobenzene
 Concen: 49.850 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Tgt Ion: 95 Resp: 170886
 Ion Ratio Lower Upper
 95 100
 174 75.3 0.0 150.8
 176 72.6 0.0 148.6





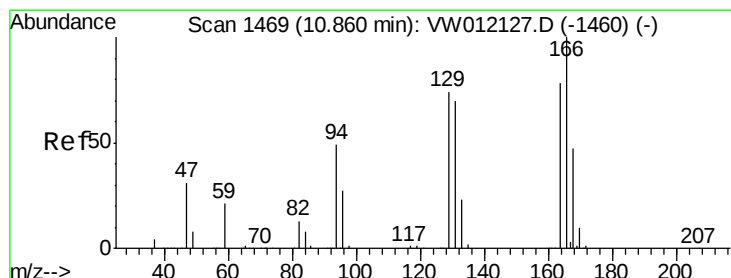
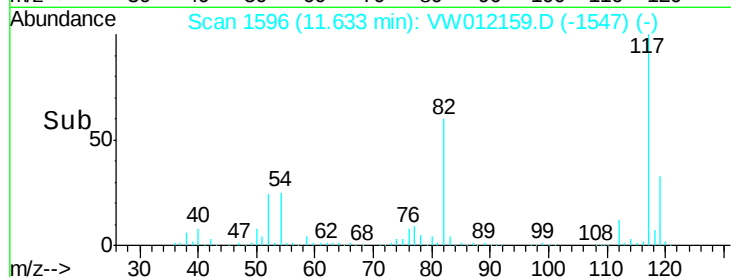
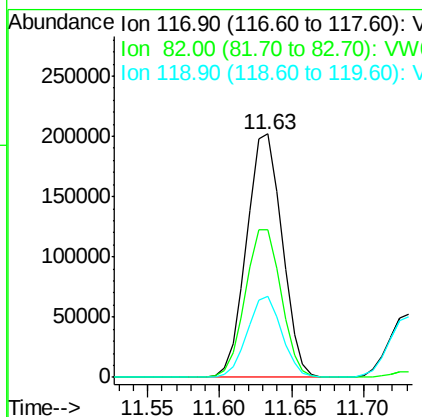
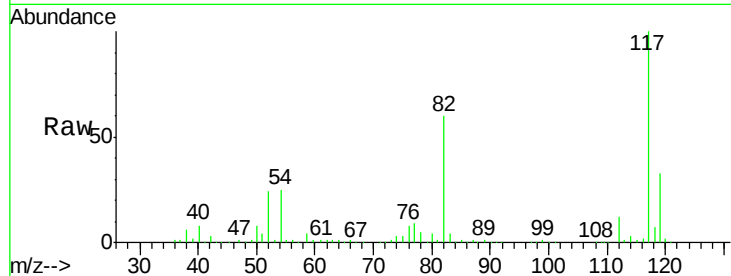
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	345189		
82	60.4	47.4	71.2	
119	33.2	25.4	38.2	

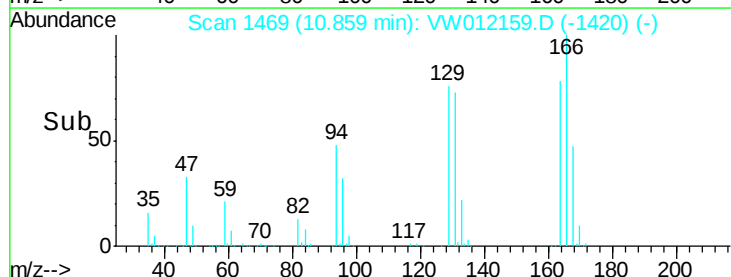
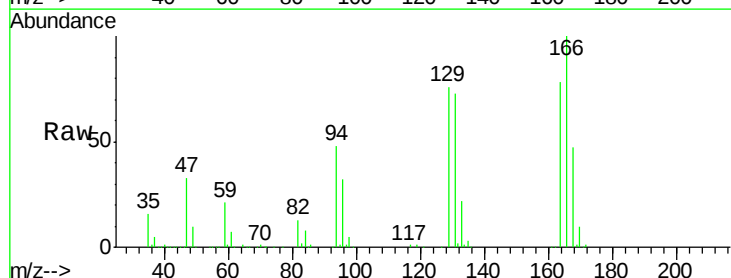
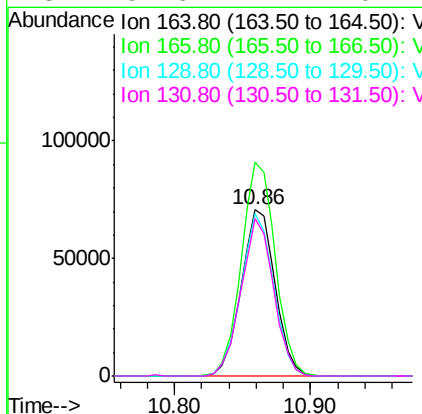
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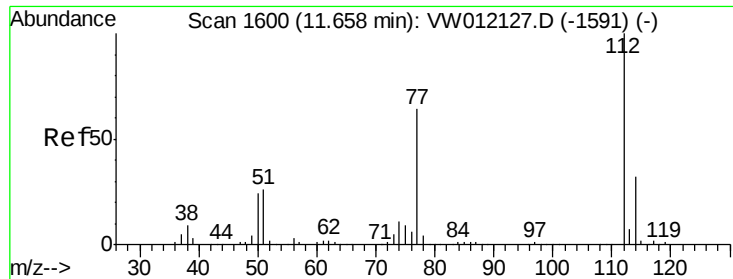
MMDadoda
8/27/2019 11:03:33 AM



#64
Tetrachloroethene
Concen: 54.725 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	122472		
166	128.8	102.4	153.6	
129	97.7	75.8	113.6	
131	94.6	71.4	107.2	





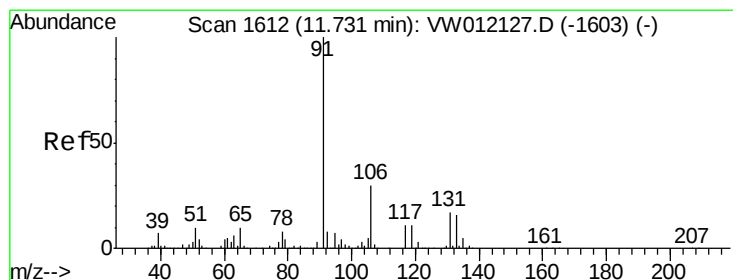
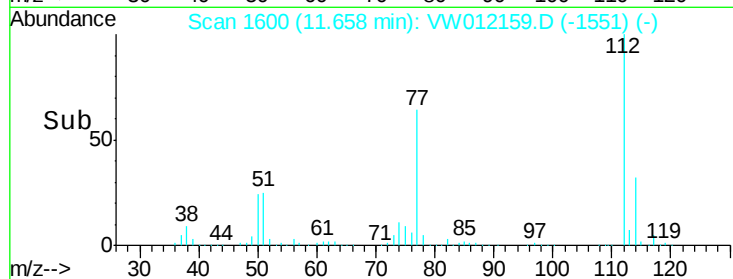
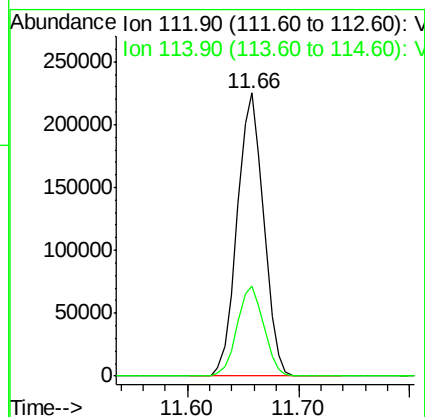
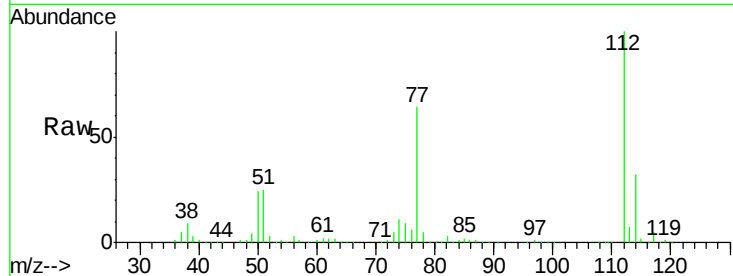
#65
Chlorobenzene
Concen: 54.378 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 369610
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

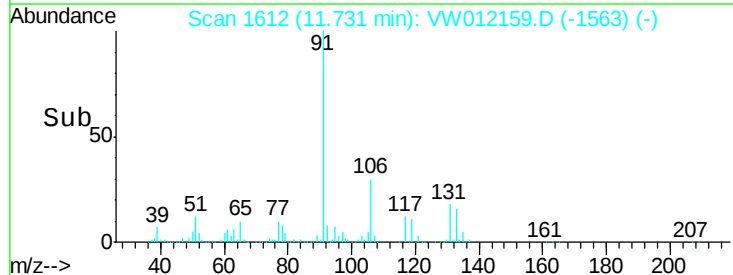
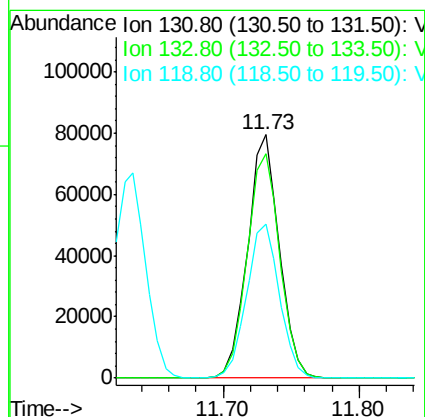
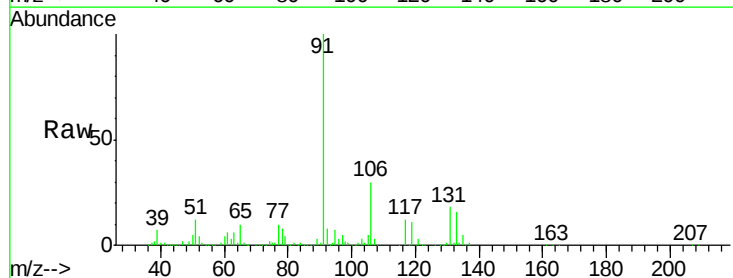
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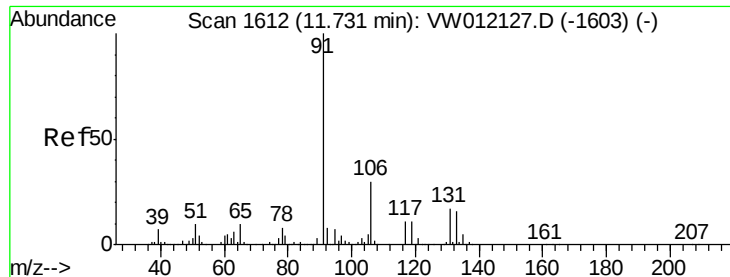
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.764 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion:131 Resp: 129857
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.3
119 65.6 31.8 95.3





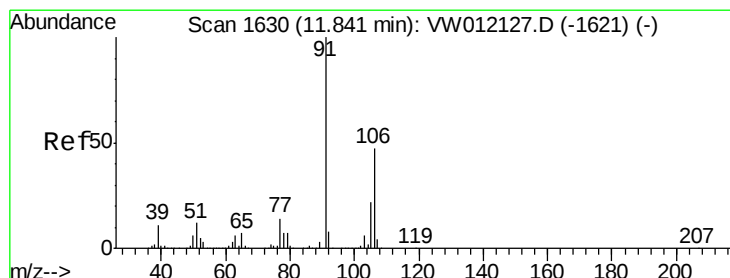
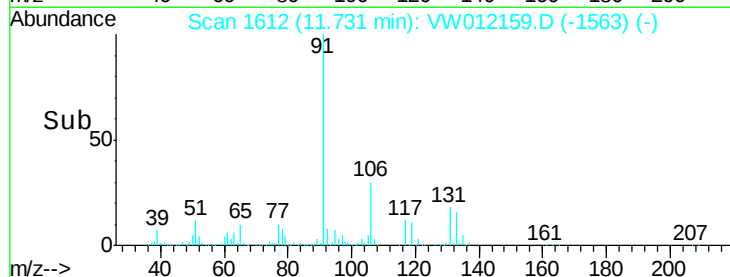
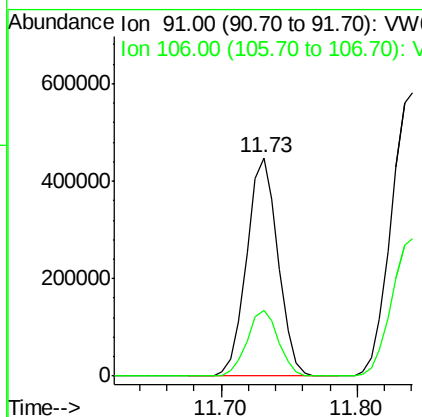
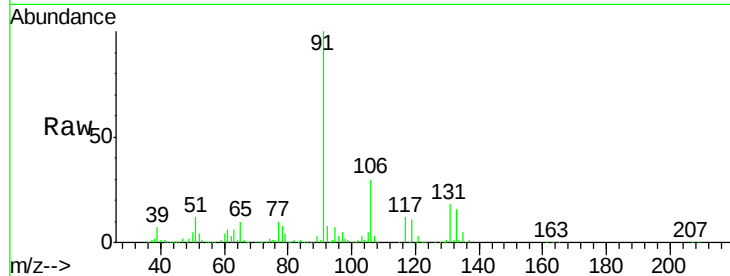
#67
Ethyl Benzene
Concen: 55.215 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 722958
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

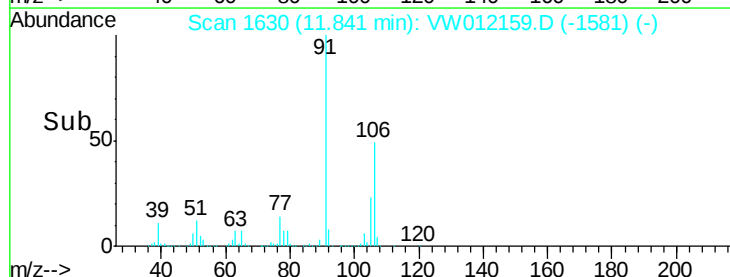
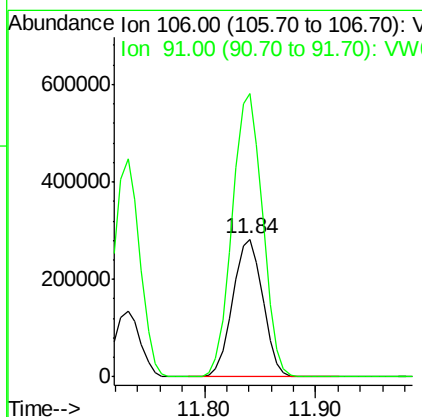
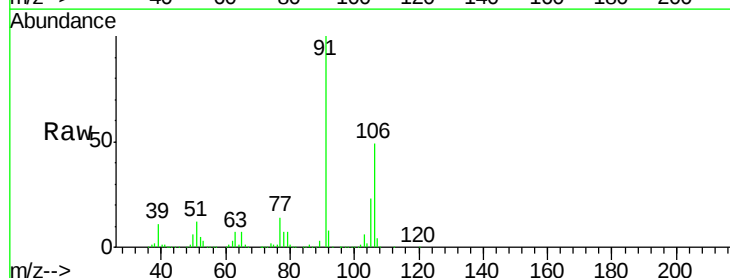
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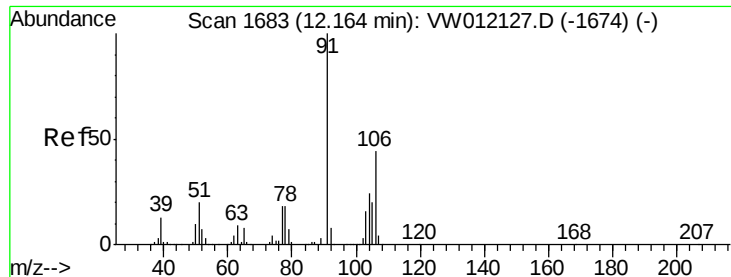
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#68
m/p-Xylenes
Concen: 111.899 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion: 106 Resp: 527759
Ion Ratio Lower Upper
106 100
91 208.3 169.5 254.3





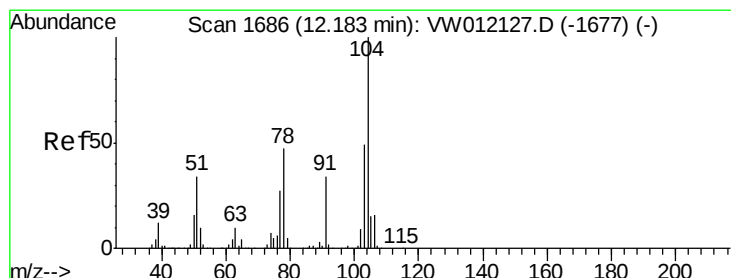
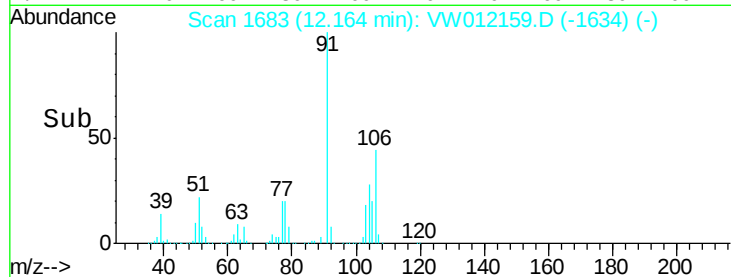
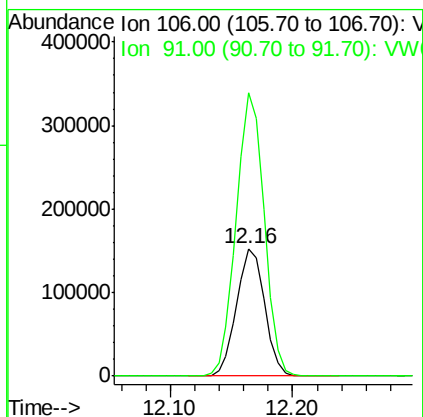
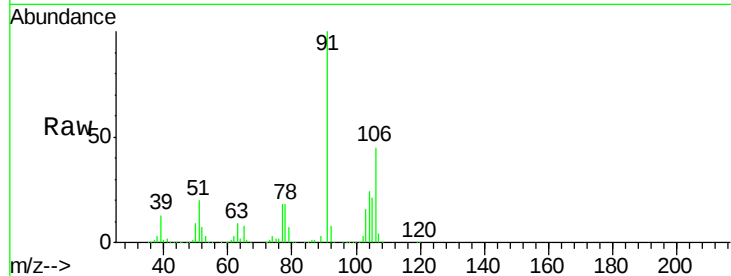
#69
o-Xylene
Concen: 55.380 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	241745		
91	222.3	111.6	334.6	

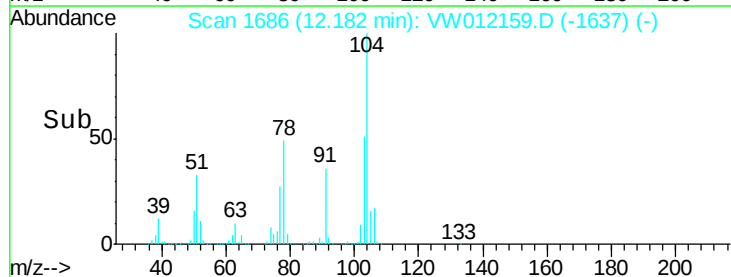
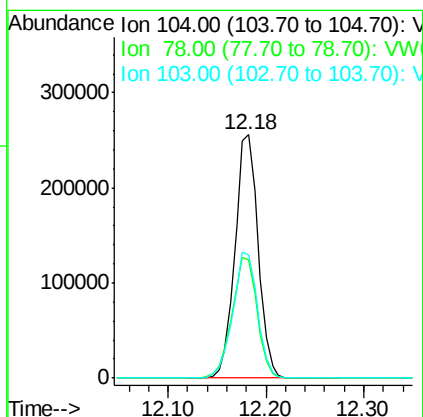
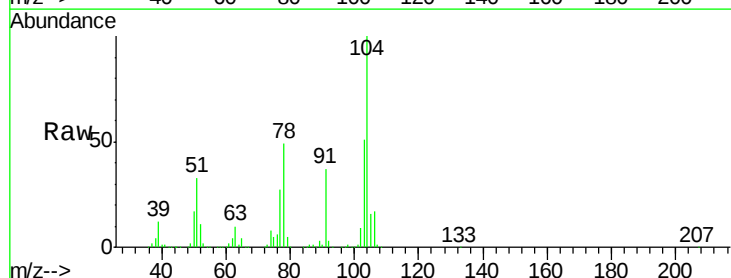
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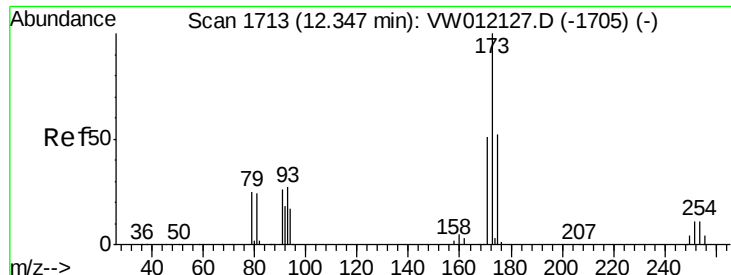
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#70
Styrene
Concen: 55.604 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	420127		
78	53.9	43.1	64.7	
103	55.2	43.5	65.3	





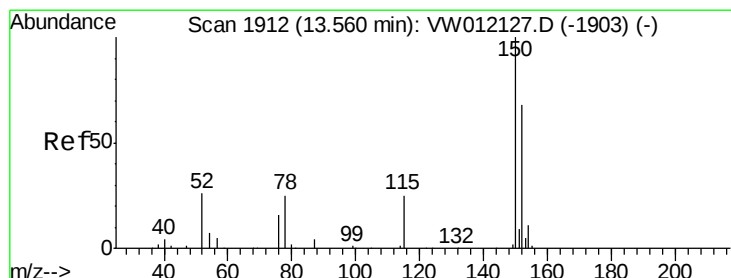
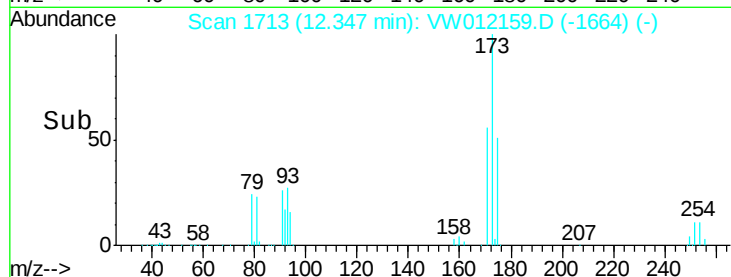
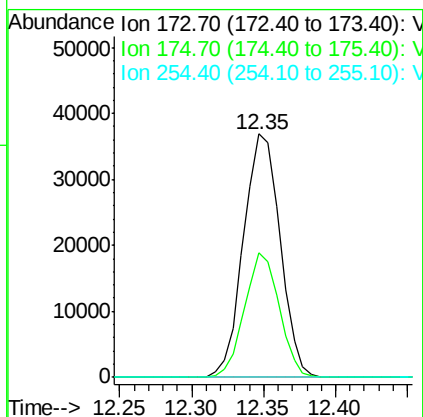
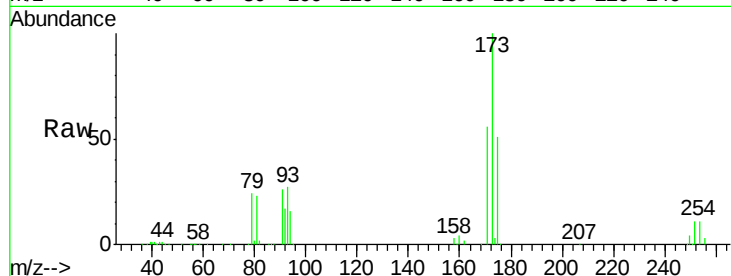
#71
Bromoform
Concen: 54.990 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.0	0.2	0.2

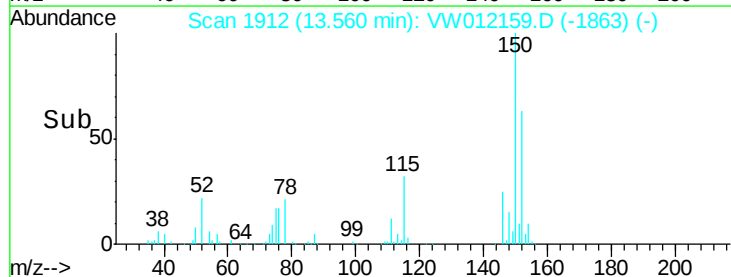
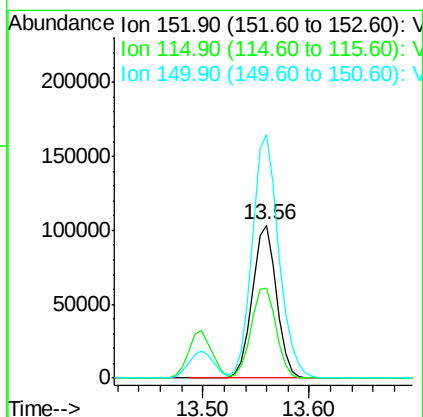
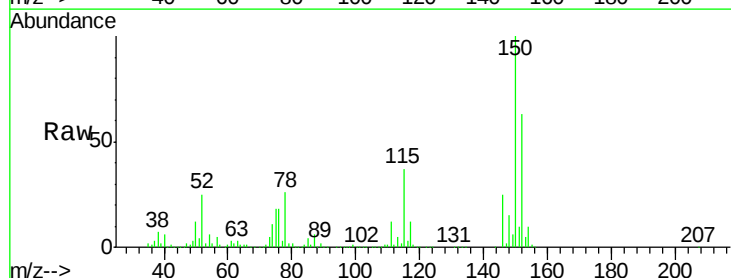
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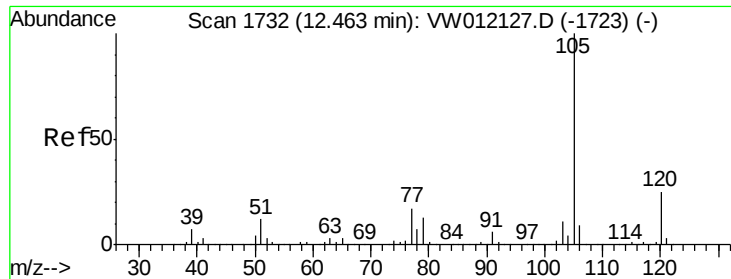
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.1	90.3
150	175.5	0.0	345.8





#73

Isopropylbenzene

Concen: 55.184 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 683097

Ion Ratio Lower Upper

105 100

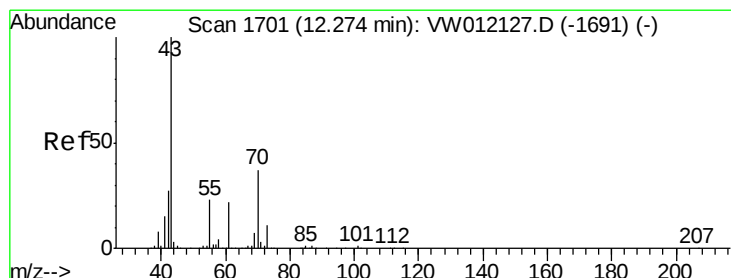
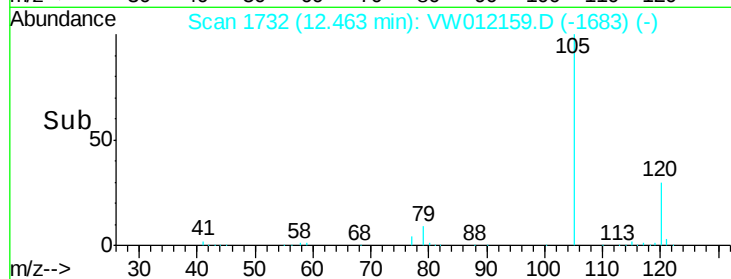
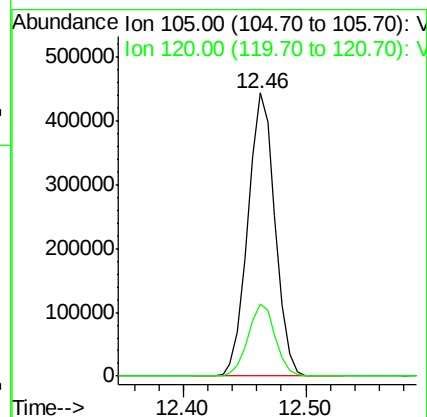
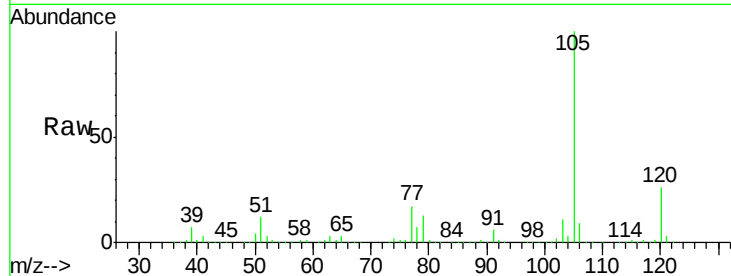
120 25.5 12.5 37.5

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#74

N-ethyl acetate

Concen: 53.361 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion: 43 Resp: 199565

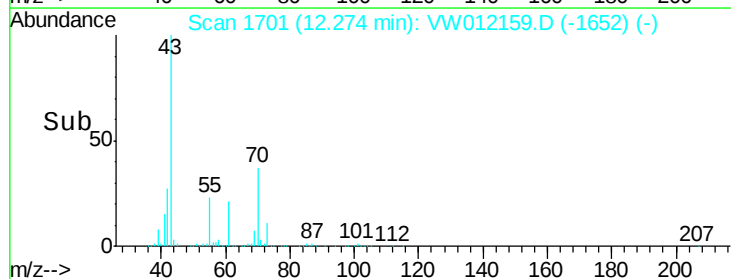
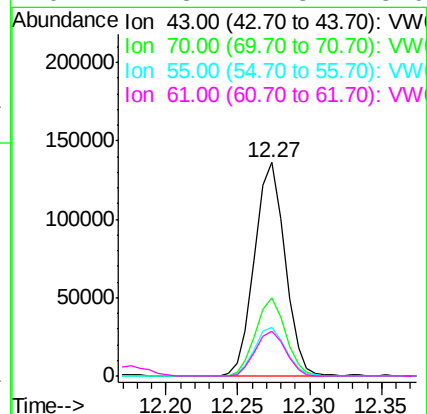
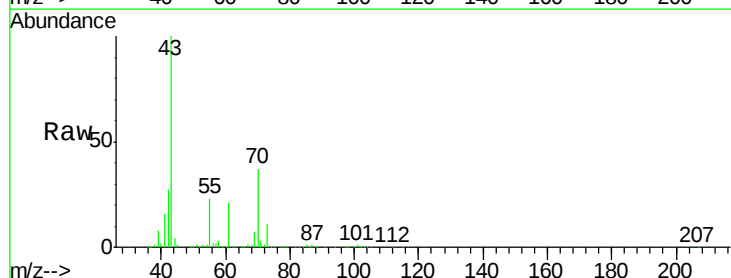
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 23.7 17.8 26.6

61 21.3 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.705 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

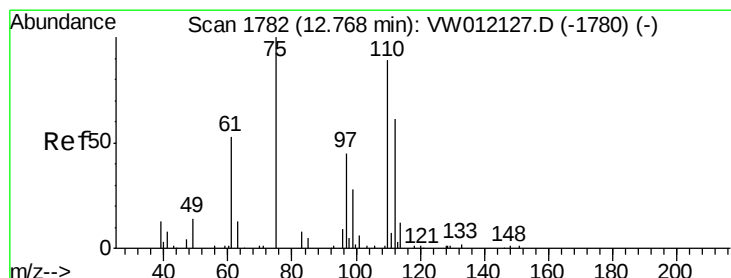
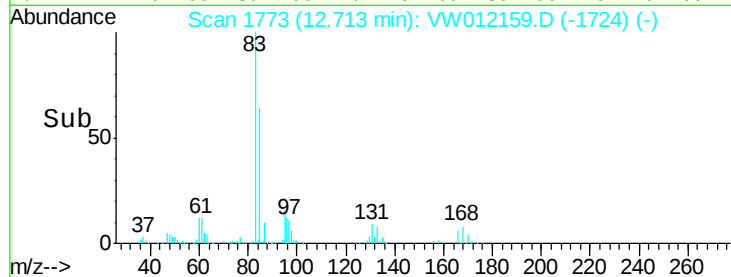
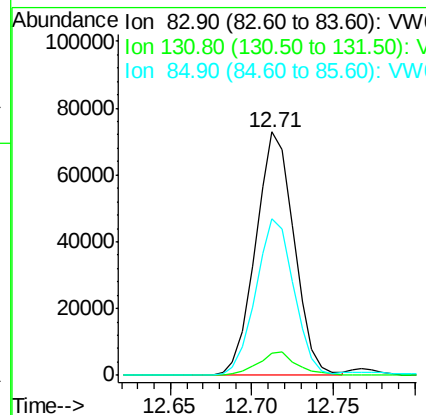
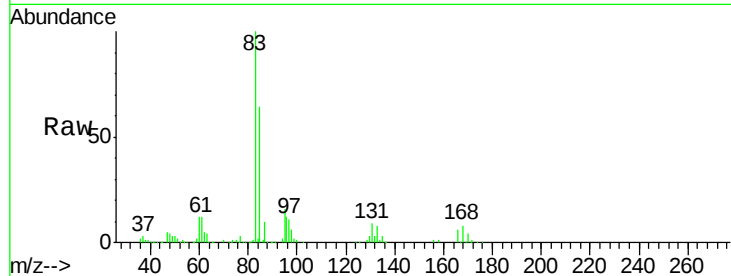
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119606
Ion Ratio		Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 50.400 ug/l m

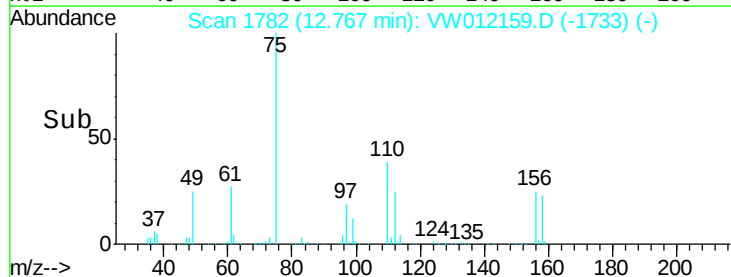
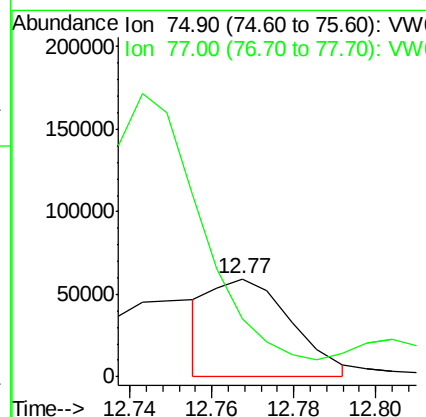
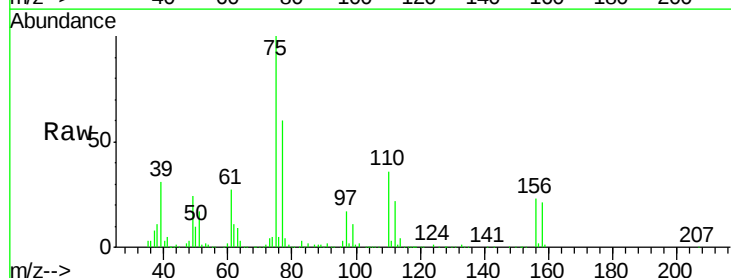
RT: 12.77 min Scan# 1782

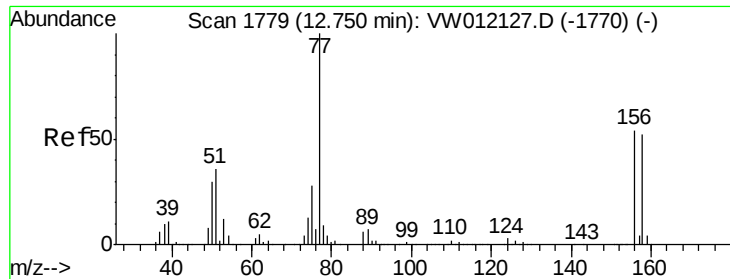
Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	75	Resp:	81088
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





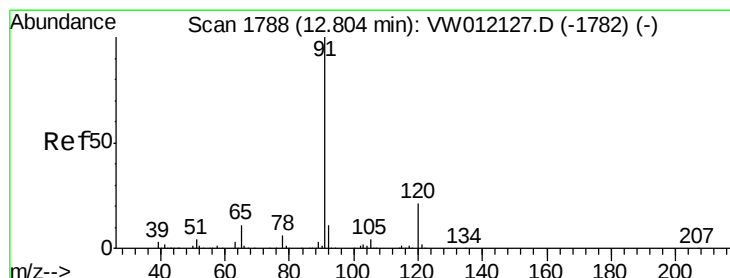
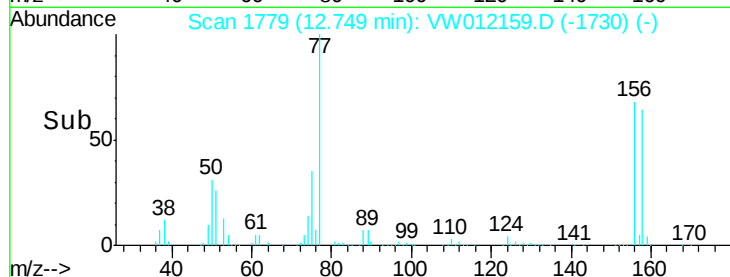
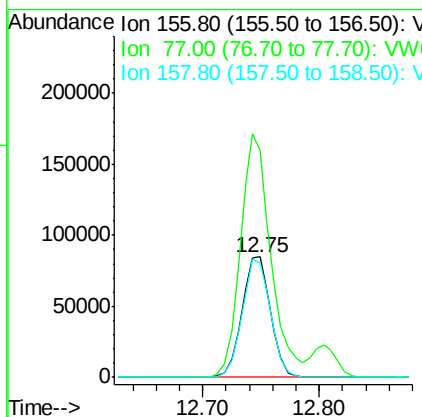
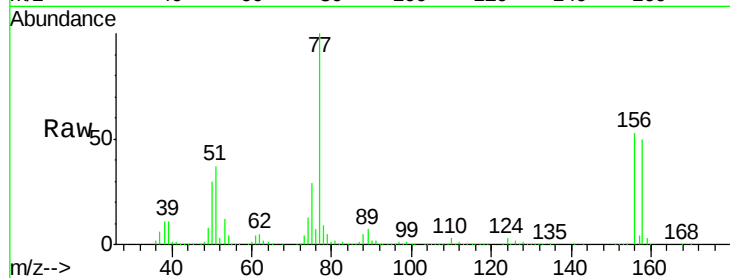
#77
Bromobenzene
Concen: 53.761 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.4	107.3	321.8
158	96.8	49.0	147.0

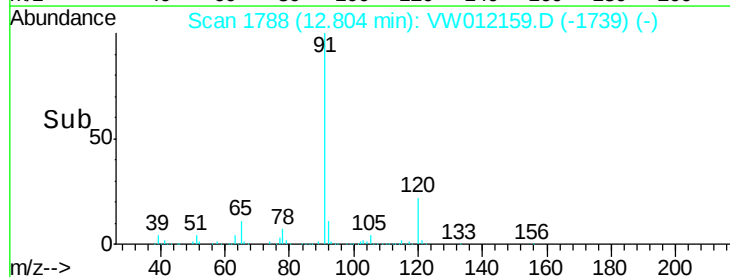
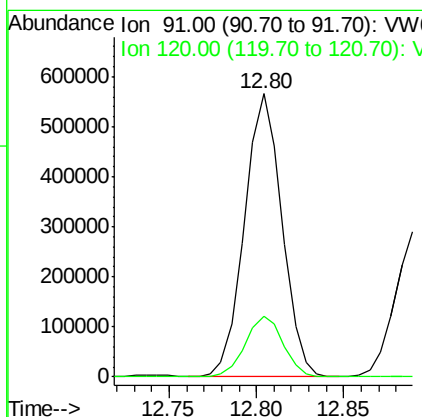
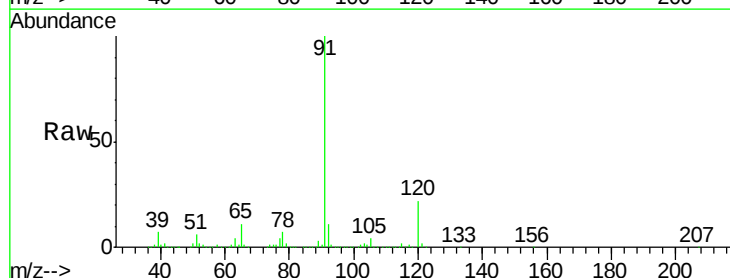
Manual Integrations
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#78
n-propylbenzene
Concen: 55.732 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.5	31.6





#79

2-Chlorotoluene

Concen: 54.379 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 466542

Ion Ratio Lower Upper

91 100

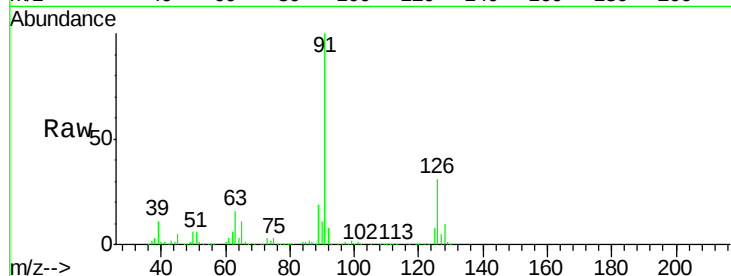
126 31.3 15.7 47.0

Manual Integrations

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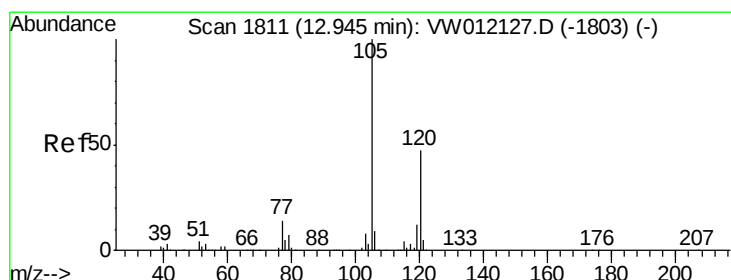
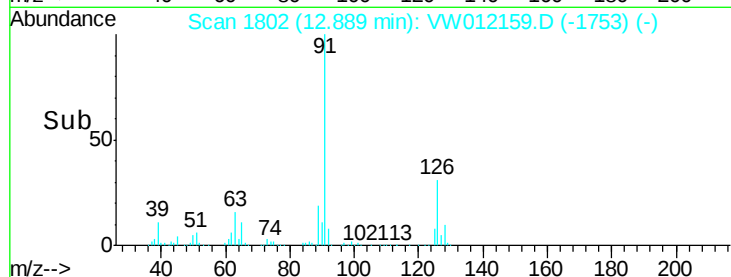
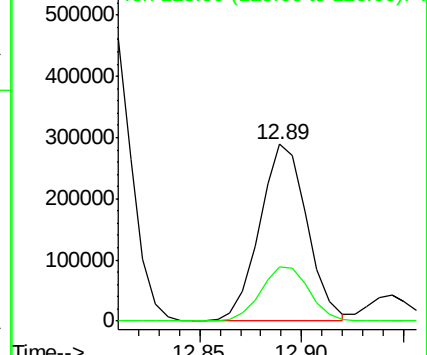
MMDadoda

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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: 55.894 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012159.D

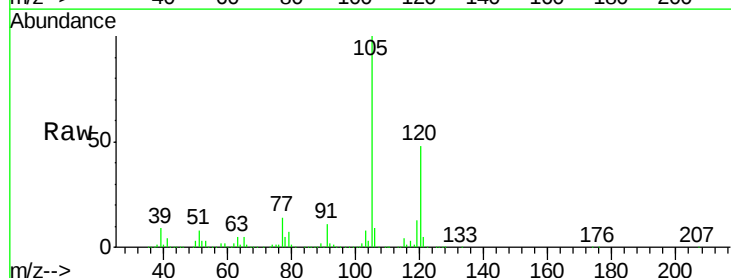
Acq: 26 Aug 2019 09:10

Tgt Ion:105 Resp: 578135

Ion Ratio Lower Upper

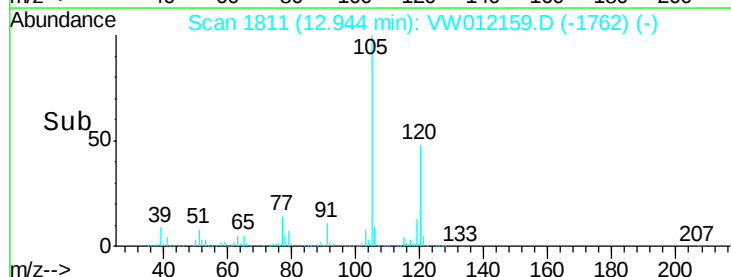
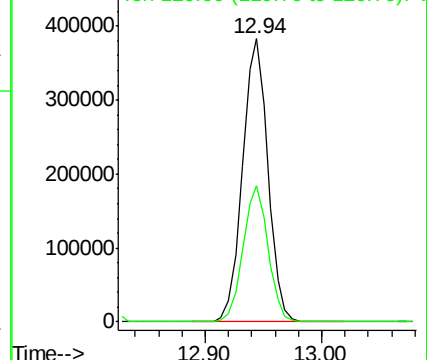
105 100

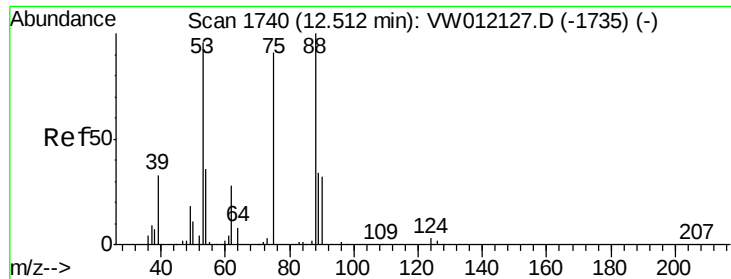
120 47.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





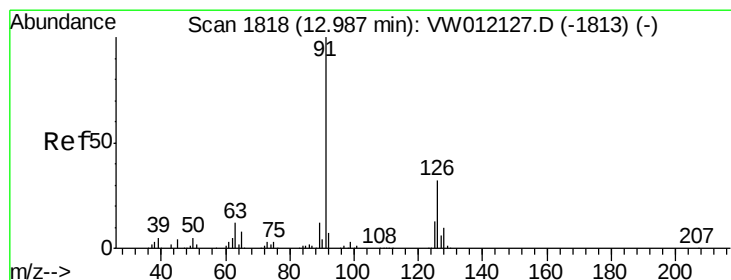
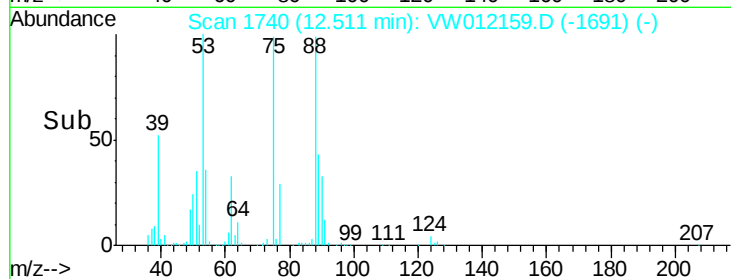
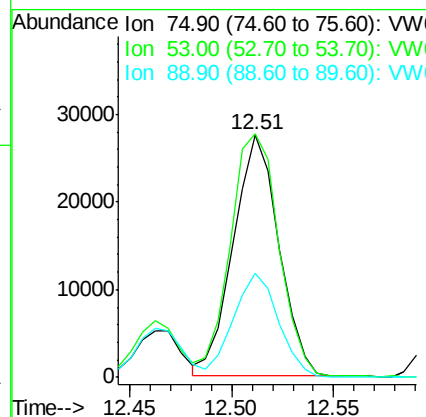
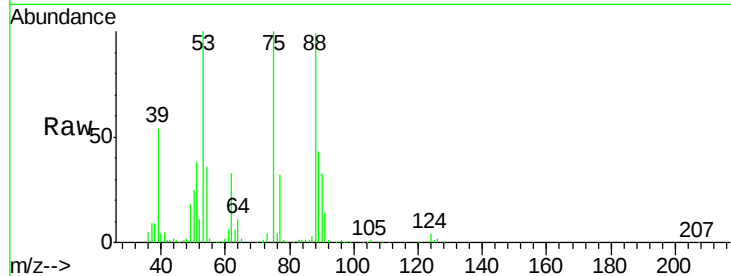
#81
trans-1,4-Dichloro-2-butene
Concen: 58.158 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	89.4	134.0
89	42.5	34.5	51.7

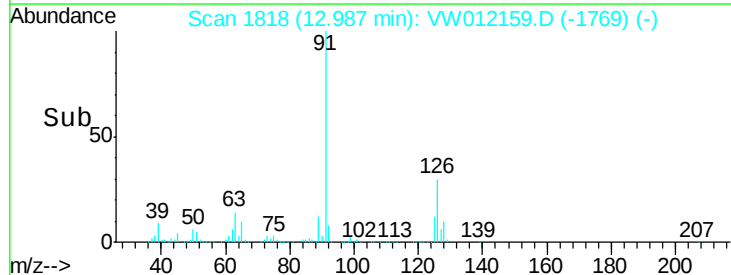
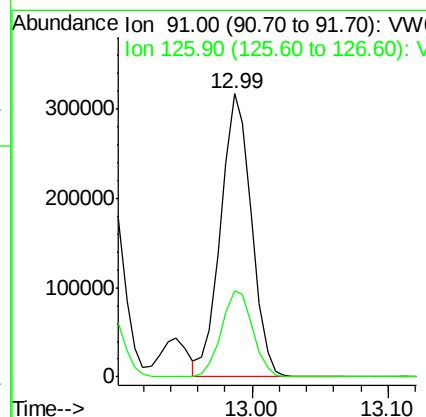
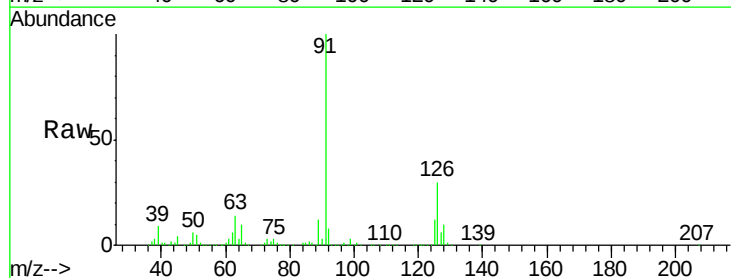
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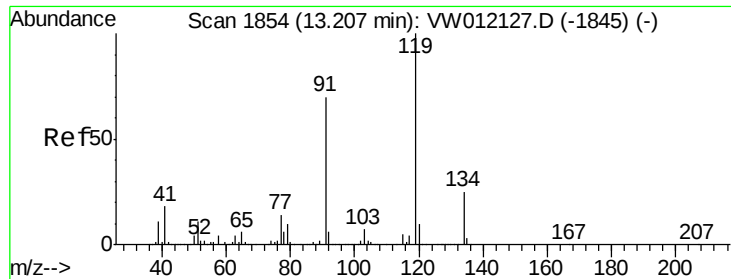
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#82
4-Chlorotoluene
Concen: 55.015 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





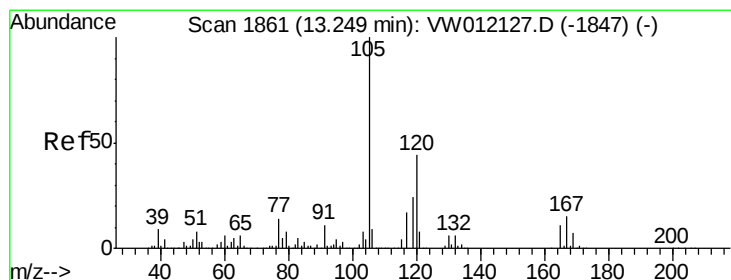
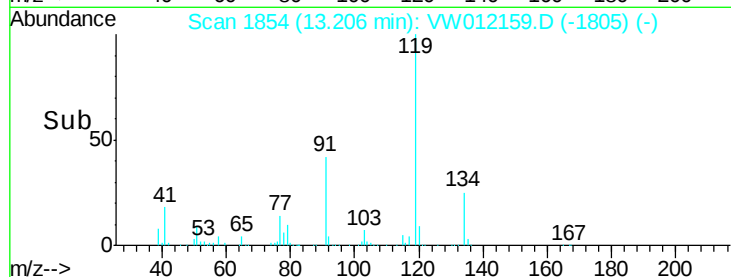
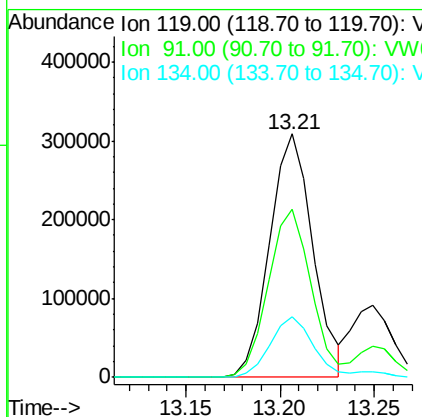
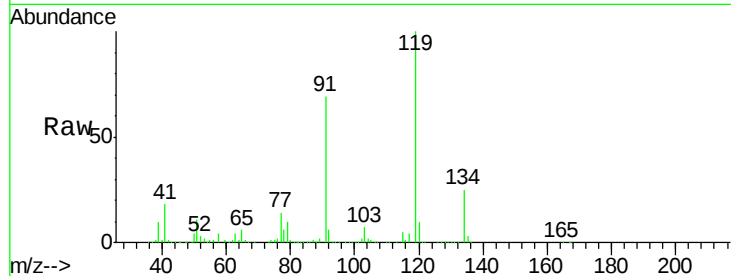
#83
tert-Butylbenzene
Concen: 56.088 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.8	104.3
134	24.7	13.3	39.8

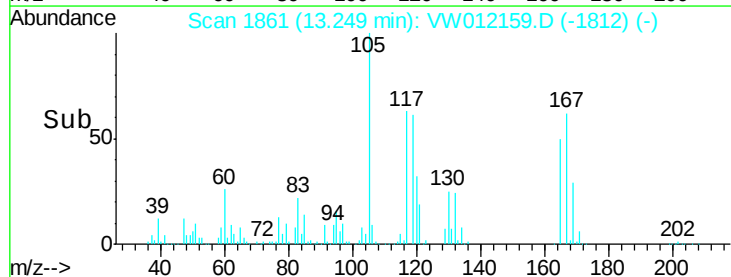
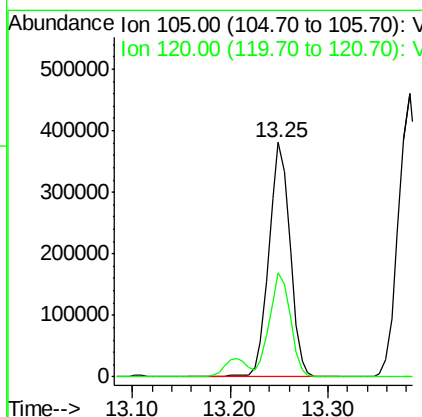
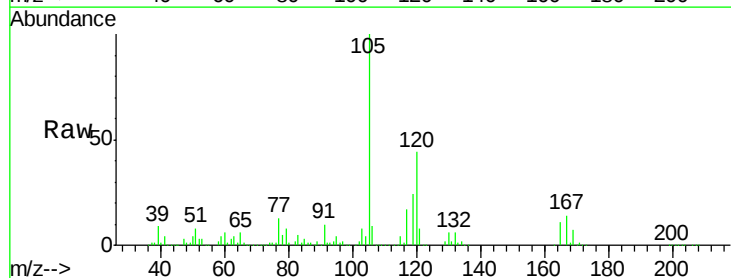
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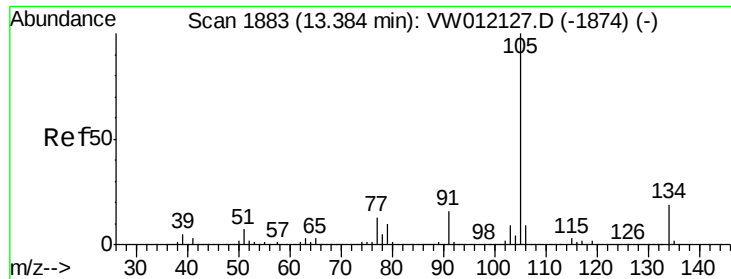
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#84
1,2,4-Trimethylbenzene
Concen: 55.236 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7





#85

sec-Butylbenzene

Concen: 55.849 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 701052

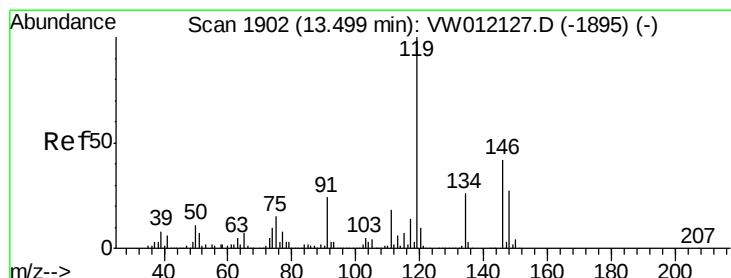
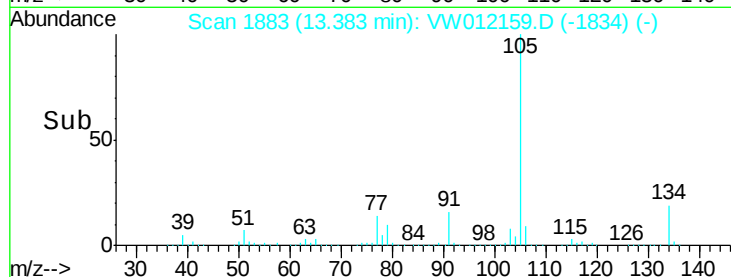
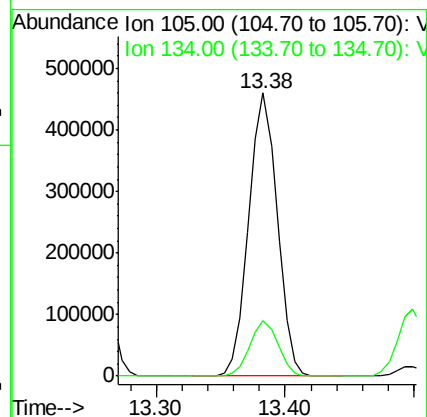
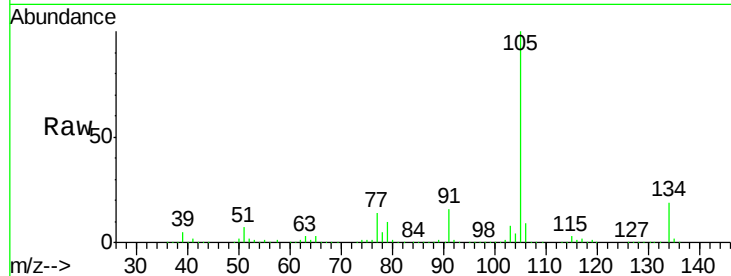
Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 56.250 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

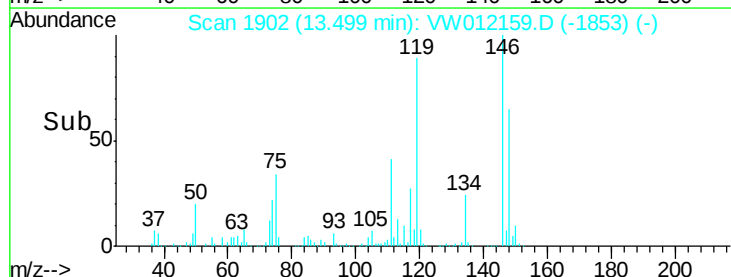
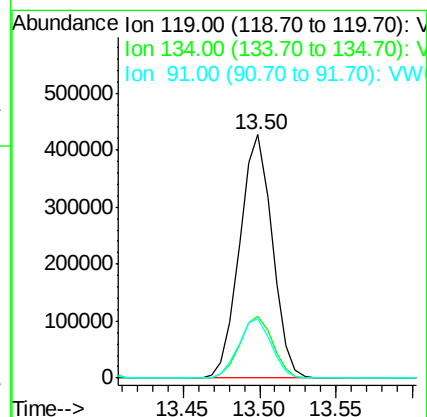
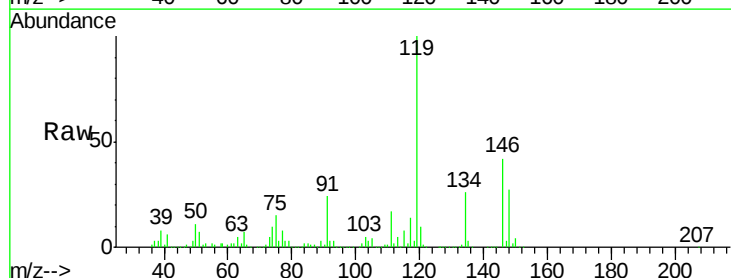
Tgt Ion:119 Resp: 630580

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

91 24.4 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 54.821 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

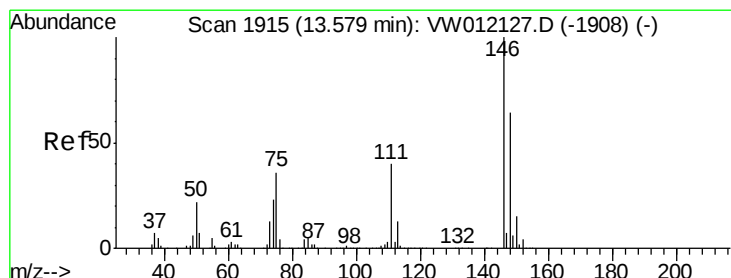
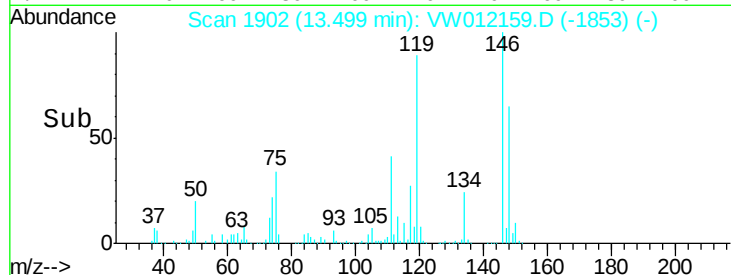
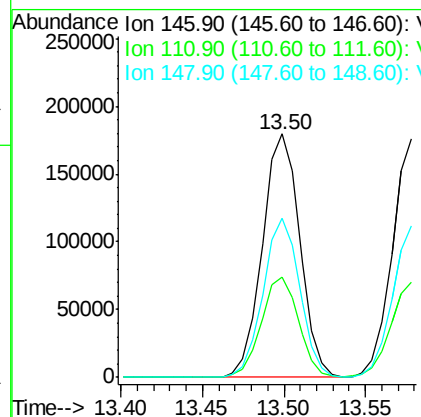
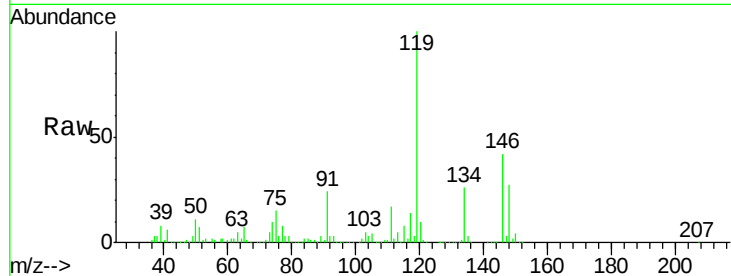
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	287148
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.9	62.7
148	64.1	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 54.268 ug/l

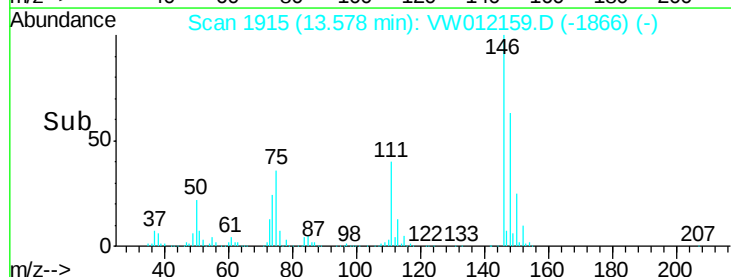
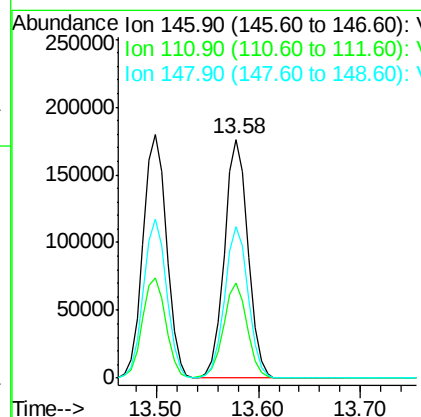
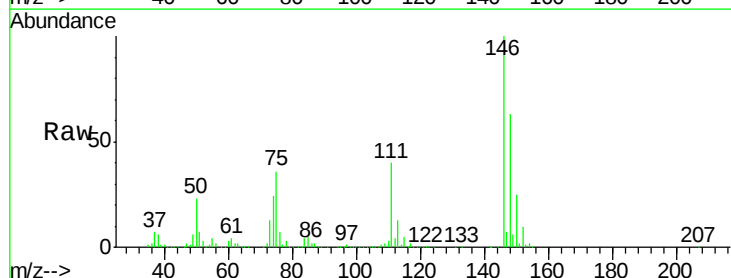
RT: 13.58 min Scan# 1915

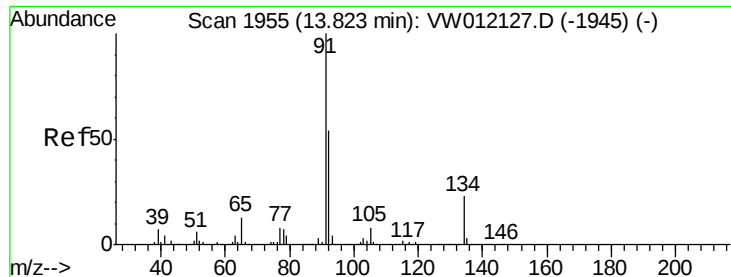
Delta R.T. -0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	146	Resp:	282245
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.0	60.0
148	63.6	32.1	96.3





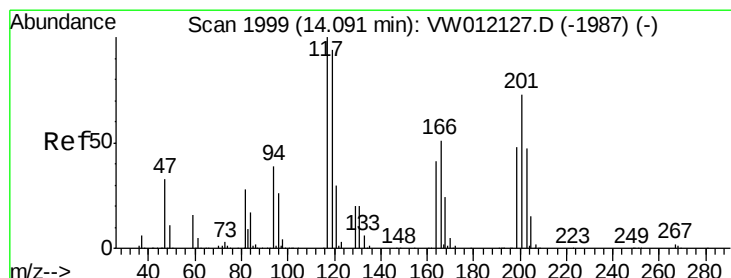
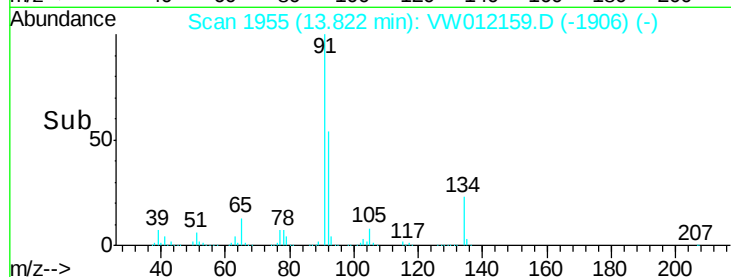
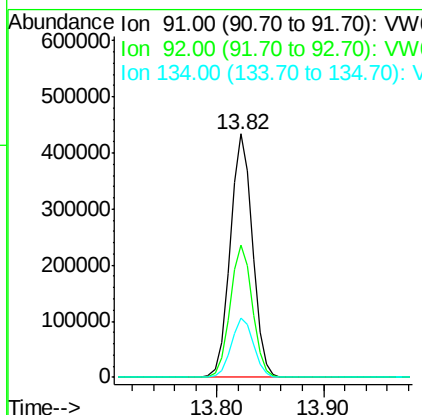
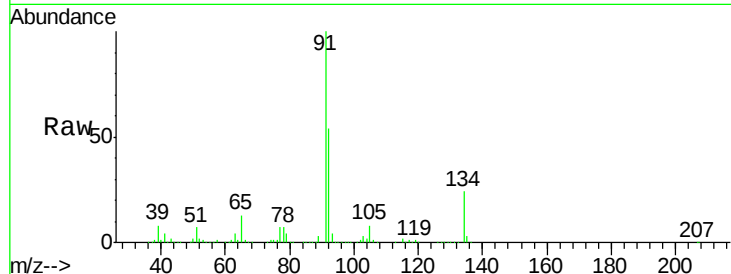
#89
n-Butylbenzene
Concen: 57.046 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	24.2	12.2	36.4

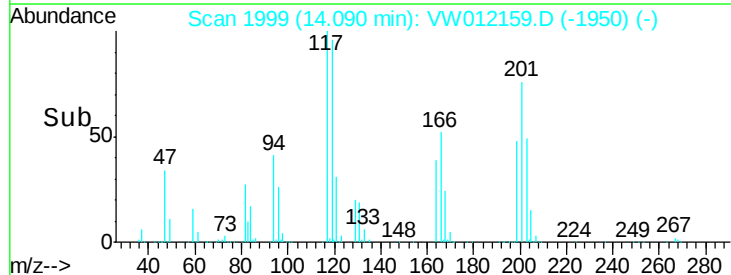
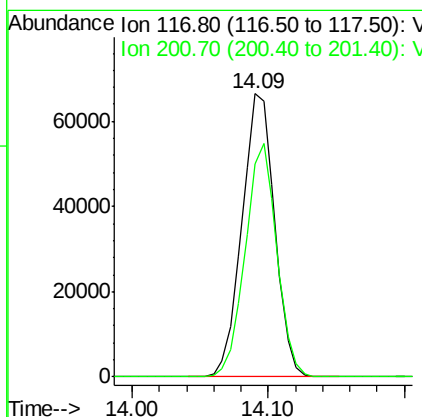
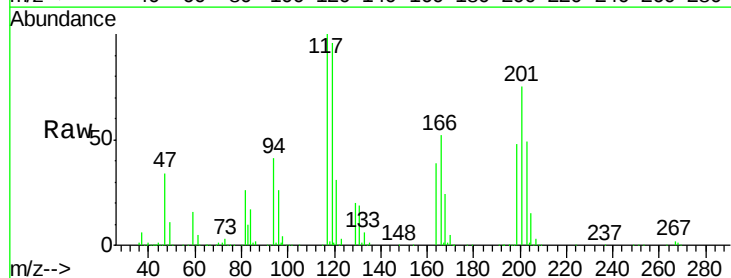
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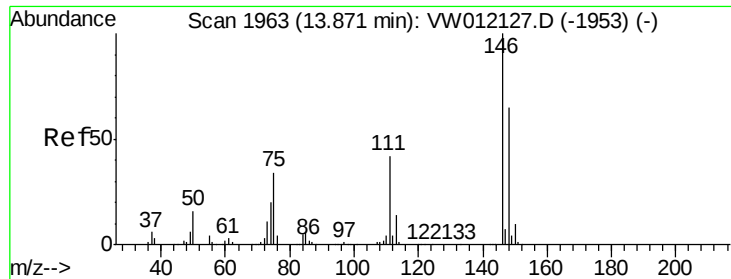
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#90
Hexachloroethane
Concen: 56.831 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012159.D
Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	38.6	115.7





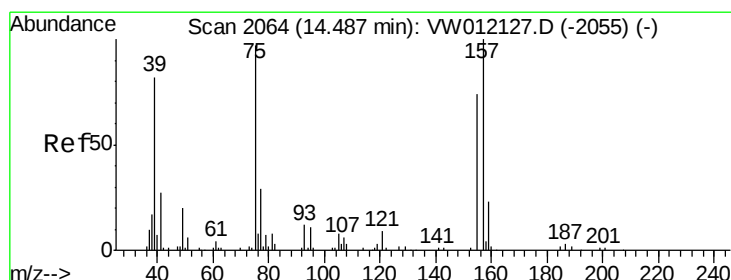
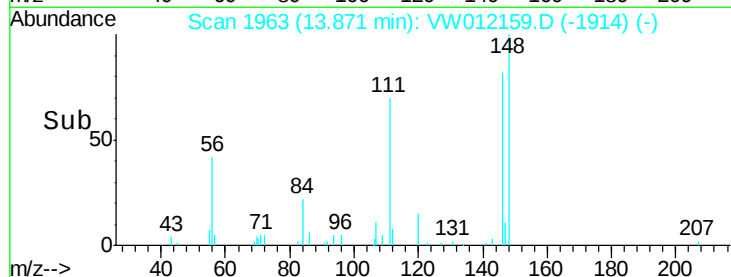
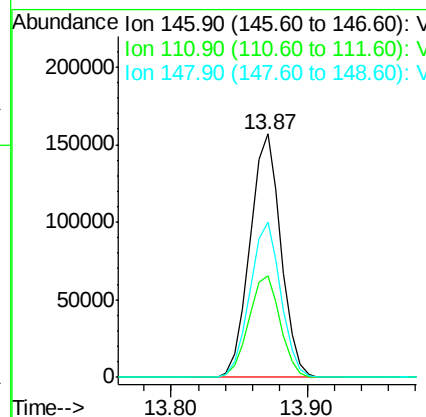
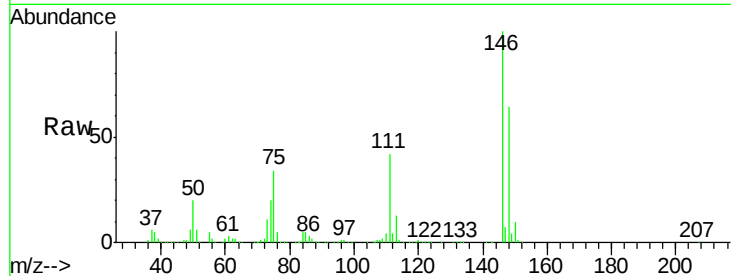
#91
 1,2-Dichlorobenzene
 Concen: 54.426 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	250092		
111	42.6		21.2	63.6
148	63.7		32.5	97.4

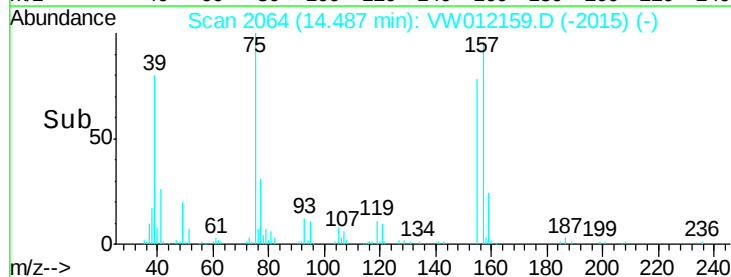
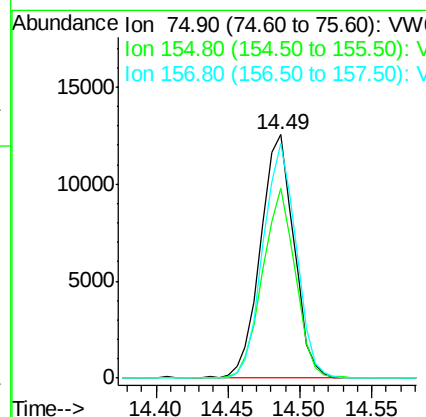
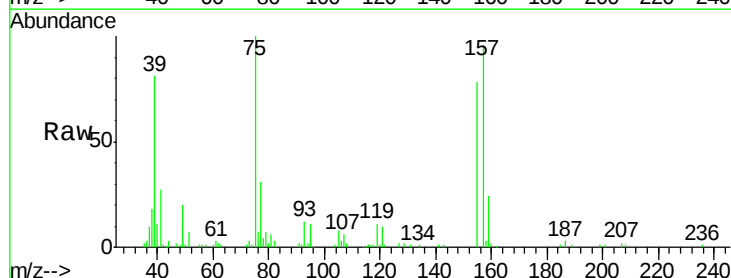
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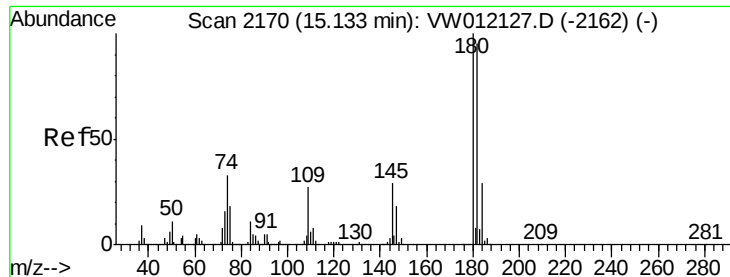
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.534 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20098		
155	76.3		37.5	112.3
157	94.9		50.5	151.5





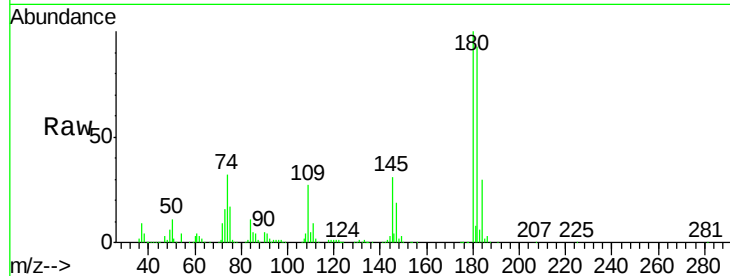
#93
 1,2,4-Trichlorobenzene
 Concen: 56.299 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	178775		
182	94.6	47.8	143.4	
145	30.1	15.0	45.1	

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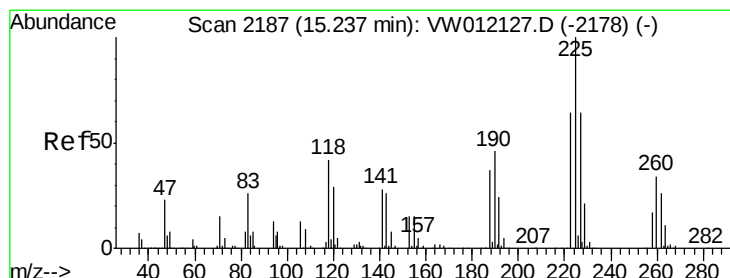
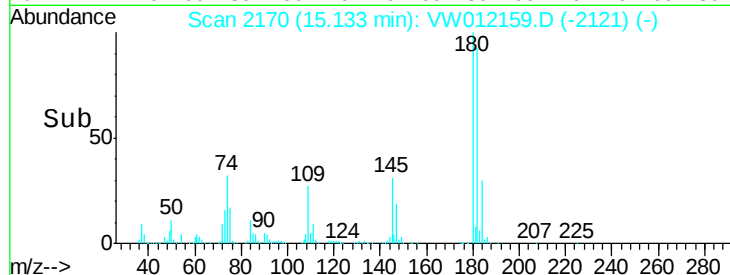
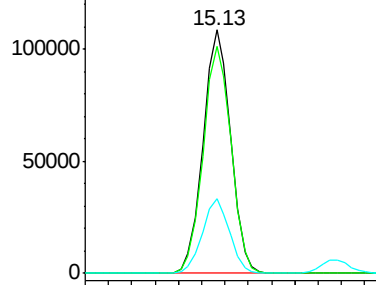


Abundance

Ion 179.80 (179.50 to 180.50): V

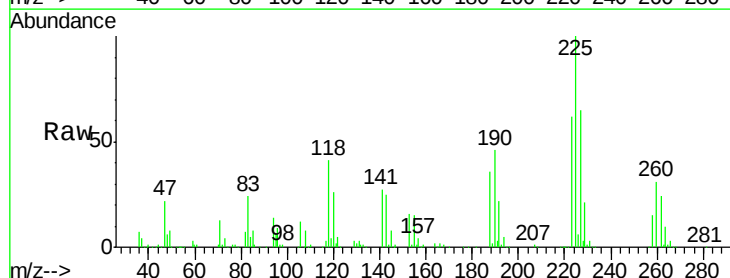
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 56.967 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012159.D
 Acq: 26 Aug 2019 09:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119445		
223	62.4	32.3	96.8	
227	64.5	32.9	98.6	

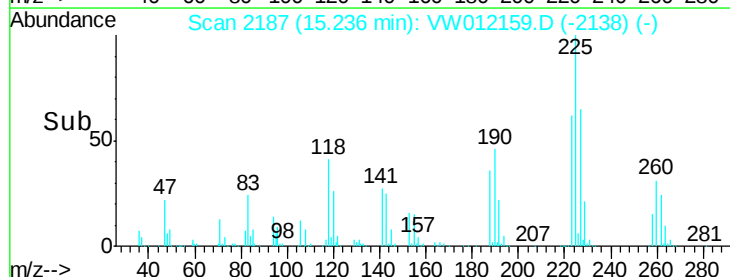
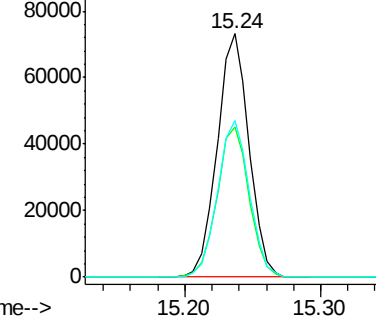


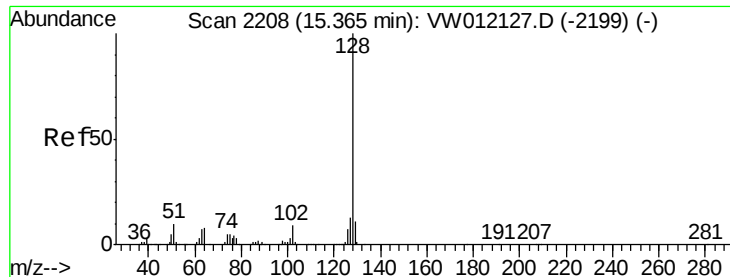
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.959 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Instrument :

MSVOA_W

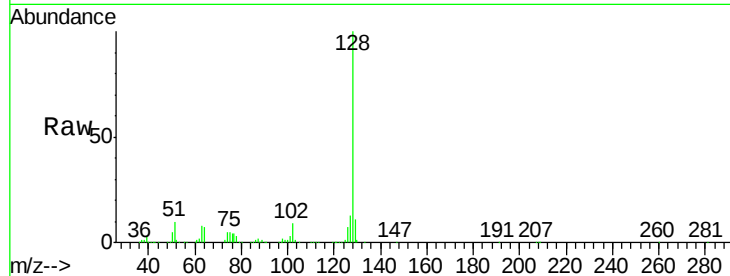
ClientSampleId :

VSTDCCC050

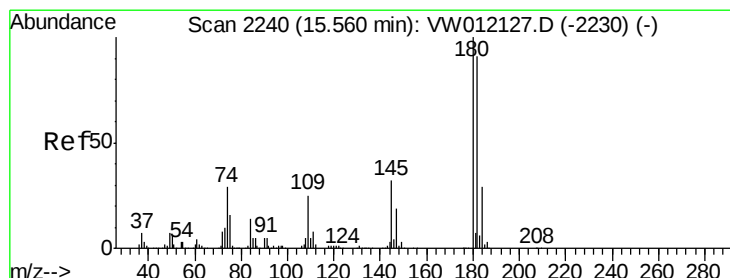
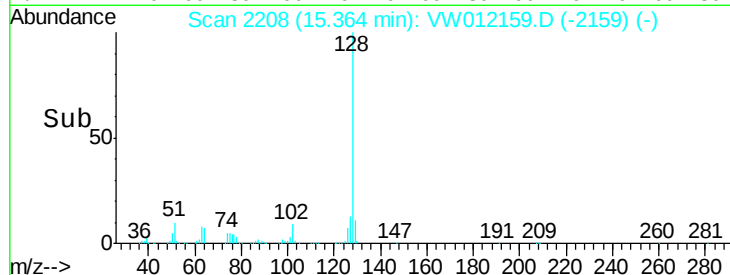
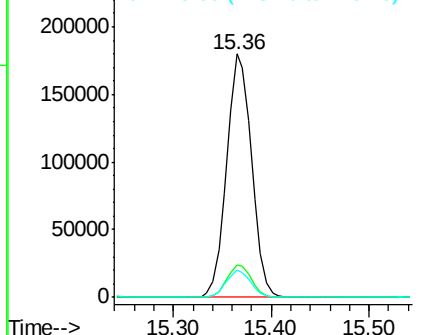
Tot Ion:	128	Resp:	318100
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:03:33 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 56.843 ug/l

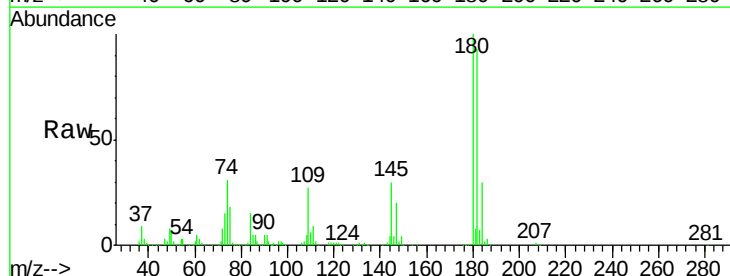
RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012159.D

Acq: 26 Aug 2019 09:10

Tgt Ion:	180	Resp:	157485
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.1	141.3
145	31.0	16.2	48.5



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

