

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012813.D
 Acq On : 09 Sep 2019 11:28
 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
 9/11/2019 8:15:38 AM

Quant Time: Sep 09 13:27:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160171	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	136274	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	7.88	113	113255	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.32	98	460680	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.62	95	158403	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	64270	46.130	ug/l	97
3) Chloromethane	2.21	50	77069	45.516	ug/l	93
4) Vinyl Chloride	2.35	62	104157	50.170	ug/l	98
5) Bromomethane	2.78	94	61605	54.645	ug/l	99
6) Chloroethane	2.92	64	64643	52.178	ug/l	99
7) Trichlorofluoromethane	3.25	101	71370	49.816	ug/l	88
8) Diethyl Ether	3.68	74	61824	51.344	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	111953	49.795	ug/l	99
10) Methyl Iodide	4.27	142	145321	51.345	ug/l	98
11) Tert butyl alcohol	5.20	59	53361	242.879	ug/l	100
12) 1,1-Dichloroethene	4.04	96	104447	49.213	ug/l	95
13) Acrolein	3.90	56	55873	239.649	ug/l	97
14) Allyl chloride	4.66	41	214534	48.864	ug/l	99
15) Acrylonitrile	5.37	53	169602	241.153	ug/l	100
16) Acetone	4.13	43	205822	262.918	ug/l	97
17) Carbon Disulfide	4.38	76	209892	46.591	ug/l	99
18) Methyl Acetate	4.67	43	84430	45.969	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	224338	53.298	ug/l	96
20) Methylene Chloride	4.91	84	118058	48.204	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	110707	51.122	ug/l	92
22) Diisopropyl ether	6.31	45	442673	50.837	ug/l	97
23) Vinyl Acetate	6.25	43	1432494	259.580	ug/l	100
24) 1,1-Dichloroethane	6.21	63	238078	50.778	ug/l	99
25) 2-Butanone	7.17	43	256413	224.623	ug/l	99
26) 2,2-Dichloropropane	7.16	77	155126	52.384	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	133082	53.000	ug/l	96
28) Bromochloromethane	7.51	49	104334	48.463	ug/l	91
29) Tetrahydrofuran	7.53	42	150973	238.817	ug/l	97
30) Chloroform	7.67	83	235311	50.641	ug/l	98
31) Cyclohexane	7.95	56	191322	45.326	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	193362	51.336	ug/l	99
36) 1,1-Dichloropropene	8.08	75	172802	50.901	ug/l	99
37) Ethyl Acetate	7.25	43	109594	50.641	ug/l	100
38) Carbon Tetrachloride	8.07	117	172728	51.615	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191090	50.117	ug/l	96
40) Benzene	8.32	78	484064	51.392	ug/l	100
41) Methacrylonitrile	7.48	41	64697	44.440	ug/l	95
42) 1,2-Dichloroethane	8.40	62	163639	49.364	ug/l	98
43) Isopropyl Acetate	8.42	43	210198	51.267	ug/l	98
44) Trichloroethene	9.09	130	128515	52.931	ug/l	94
45) 1,2-Dichloropropane	9.37	63	133287	51.020	ug/l	100
46) Dibromomethane	9.46	93	65543	52.982	ug/l	99
47) Bromodichloromethane	9.64	83	176935	51.986	ug/l	98
48) Methyl methacrylate	9.43	41	98744	50.395	ug/l	100
49) 1,4-Dioxane	9.47	88	22950	939.191	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	544810	253.230	ug/l	98
52) Toluene	10.38	92	310603	52.834	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	187854	53.677	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	213200	53.701	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	100347	54.181	ug/l	98
56) Ethyl methacrylate	10.65	69	149312	55.075	ug/l	95
57) 1,3-Dichloropropane	10.93	76	175519	51.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	370644	257.527	ug/l	97
59) 2-Hexanone	10.97	43	402955	256.365	ug/l	99
60) Dibromochloromethane	11.13	129	116870	53.655	ug/l	100
61) 1,2-Dibromoethane	11.23	107	91085	53.644	ug/l	99
64) Tetrachloroethene	10.86	164	107482	53.907	ug/l	98
65) Chlorobenzene	11.66	112	332224	53.493	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	126761	54.807	ug/l	100
67) Ethyl Benzene	11.73	91	626330	53.751	ug/l	100
68) m/p-Xylenes	11.84	106	456521	108.539	ug/l	99
69) o-Xylene	12.16	106	215537	54.318	ug/l	98
70) Styrene	12.18	104	388313	55.379	ug/l	99
71) Bromoform	12.35	173	70764	55.070	ug/l	99
73) Isopropylbenzene	12.46	105	623027	54.233	ug/l	99
74) N-amyl acetate	12.27	43	192813	52.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117505	50.932	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	96460m	58.895	ug/l	
77) Bromobenzene	12.74	156	142414	54.718	ug/l	95
78) n-propylbenzene	12.80	91	737151	53.652	ug/l	99
79) 2-Chlorotoluene	12.89	91	420455	53.307	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	525290	54.264	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40610	52.443	ug/l	99
82) 4-Chlorotoluene	12.99	91	441936	52.970	ug/l	99
83) tert-Butylbenzene	13.21	119	456433	53.326	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	522753	53.593	ug/l	99
85) sec-Butylbenzene	13.38	105	631426	53.163	ug/l	99
86) p-Isopropyltoluene	13.50	119	582653	53.707	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	272261	53.221	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	270772	53.192	ug/l	99
89) n-Butylbenzene	13.82	91	557400	52.923	ug/l	99
90) Hexachloroethane	14.09	117	101997	53.855	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	246264	53.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22036	52.192	ug/l	98

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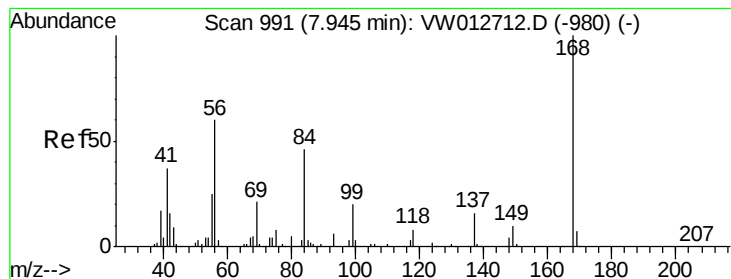
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	186420	58.152	ug/l	96
94) Hexachlorobutadiene	15.24	225	118410	53.364	ug/l	99
95) Naphthalene	15.36	128	347817	51.603	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	165241	58.395	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 256999

Ion Ratio Lower Upper

168 100

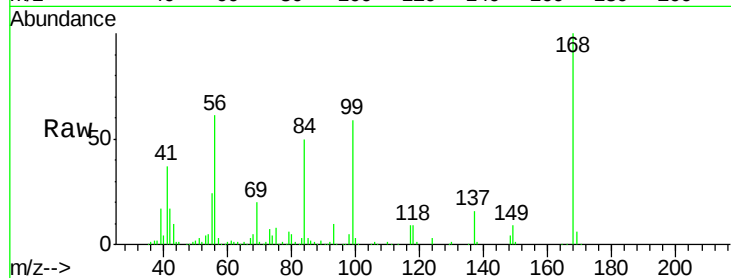
99 59.0 47.8 71.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

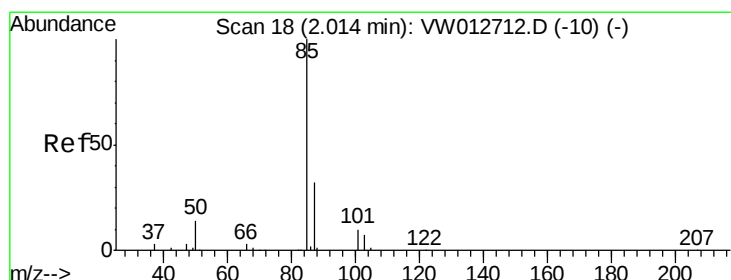
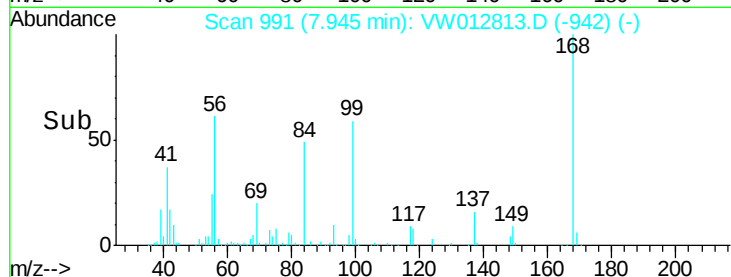
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.130 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012813.D

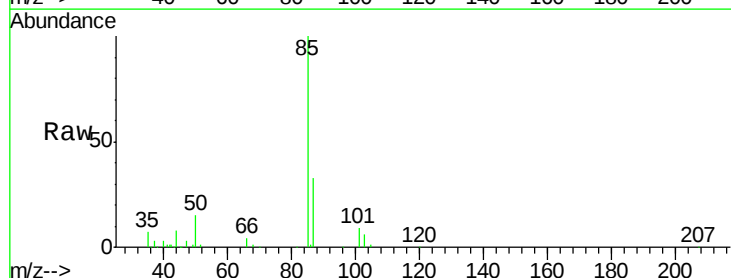
Acq: 09 Sep 2019 11:28

Tgt Ion: 85 Resp: 64270

Ion Ratio Lower Upper

85 100

87 33.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

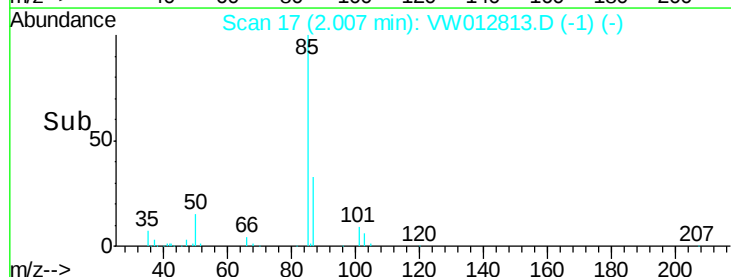
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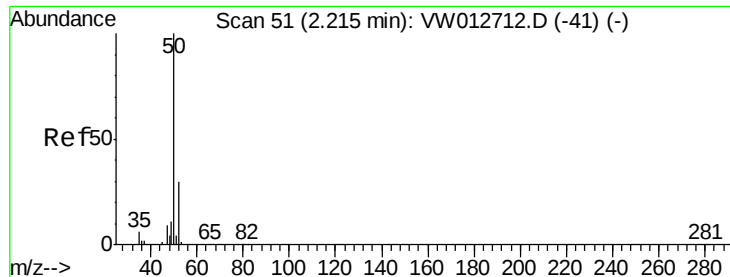
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5000

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Time-->





#3

Chloromethane

Concen: 45.516 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 77069

Ion Ratio Lower Upper

50 100

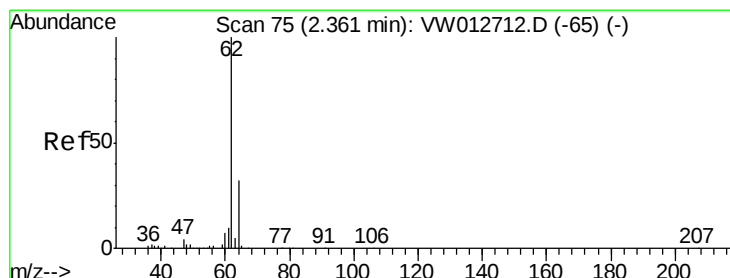
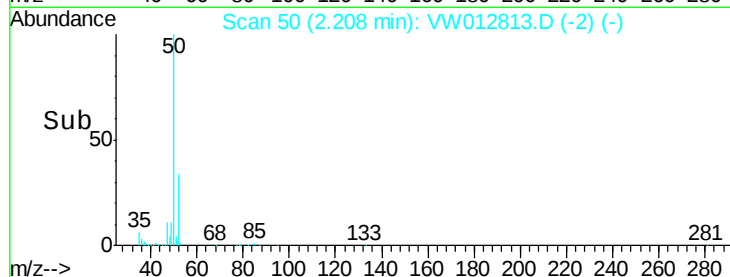
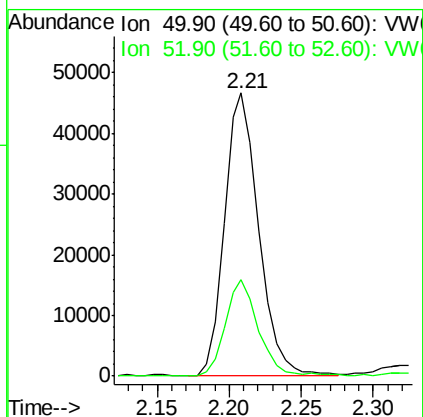
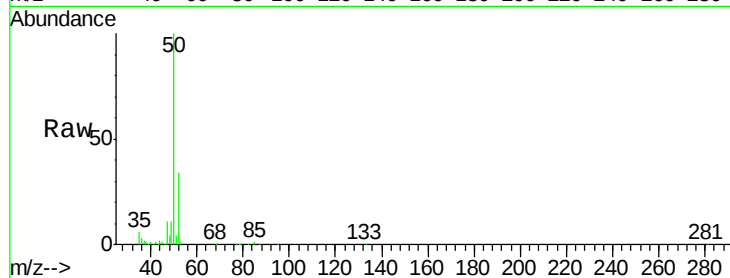
52 34.0 24.2 36.2

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#4

Vinyl Chloride

Concen: 50.170 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012813.D

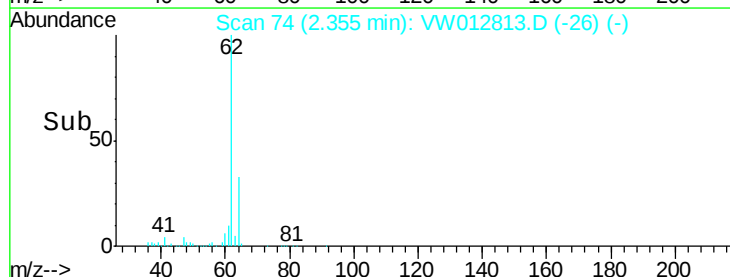
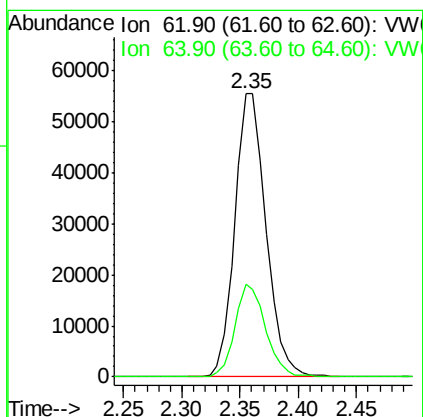
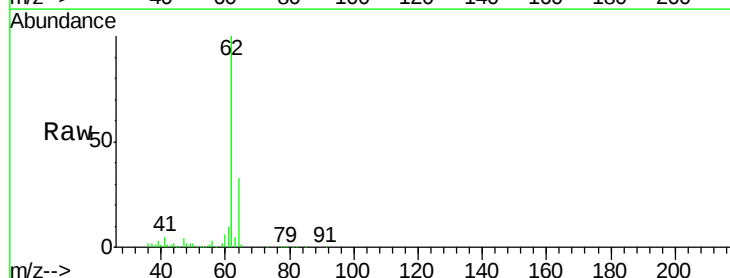
Acq: 09 Sep 2019 11:28

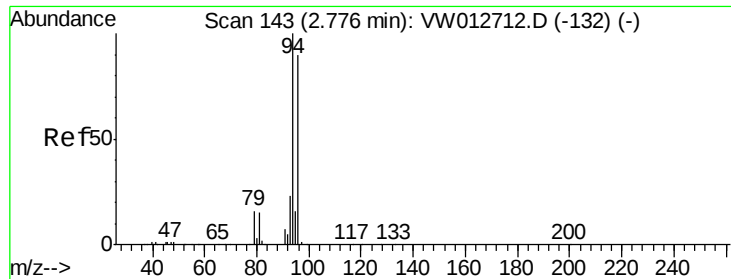
Tgt Ion: 62 Resp: 104157

Ion Ratio Lower Upper

62 100

64 32.7 25.3 37.9





#5

Bromomethane

Concen: 54.645 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61605

Ion Ratio Lower Upper

94 100

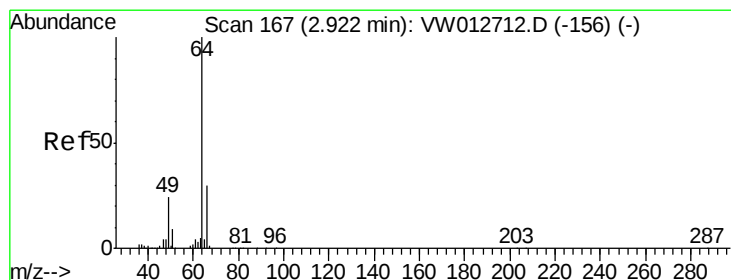
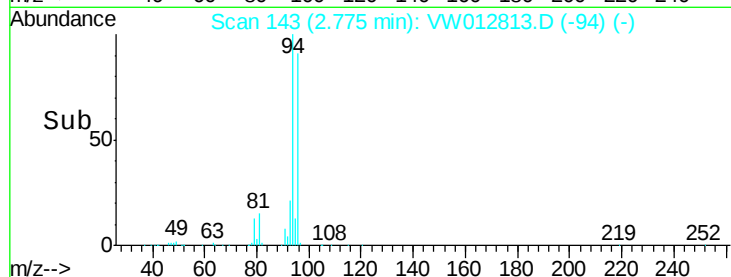
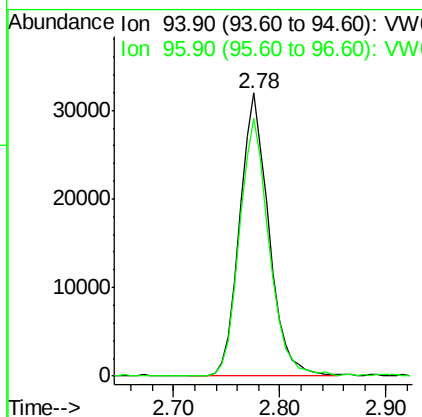
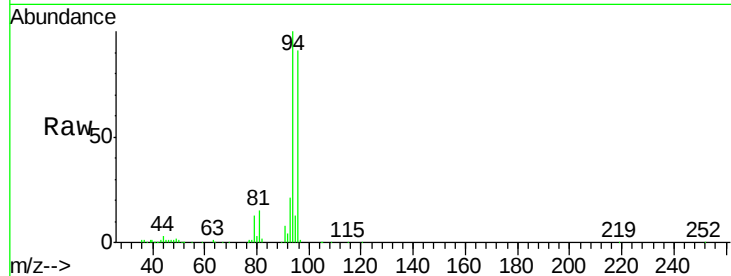
96 91.3 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 52.178 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012813.D

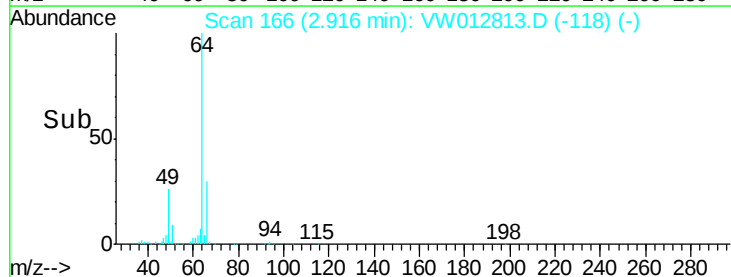
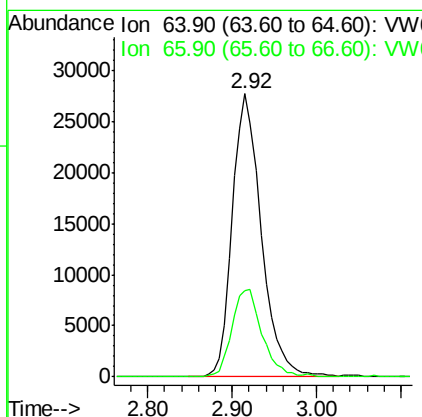
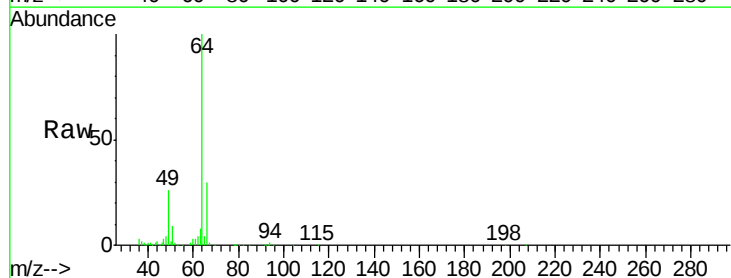
Acq: 09 Sep 2019 11:28

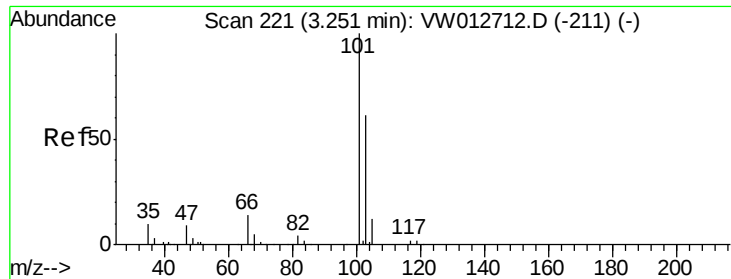
Tgt Ion: 64 Resp: 64643

Ion Ratio Lower Upper

64 100

66 30.4 23.8 35.6





#7

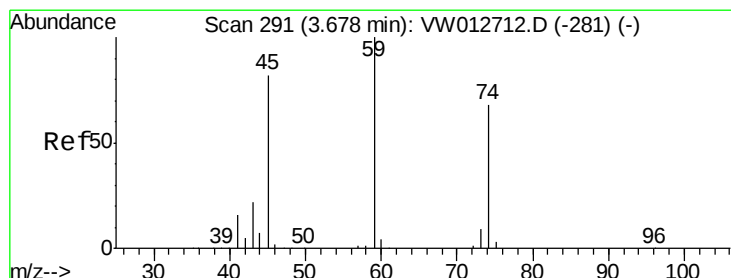
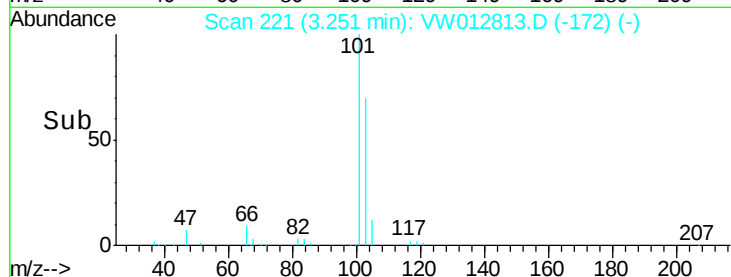
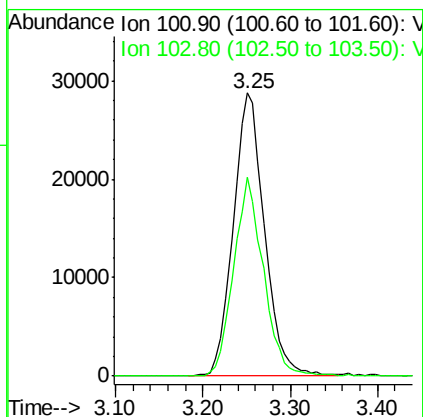
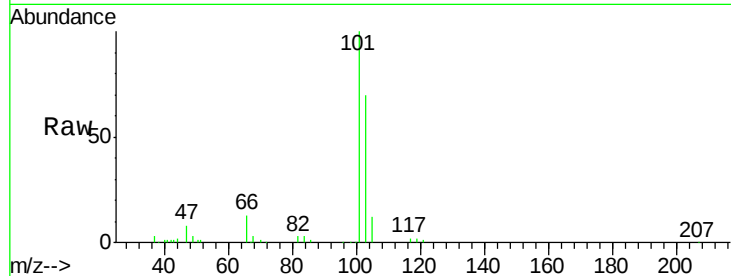
Trichlorofluoromethane
Concen: 49.816 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.1	49.0	73.4

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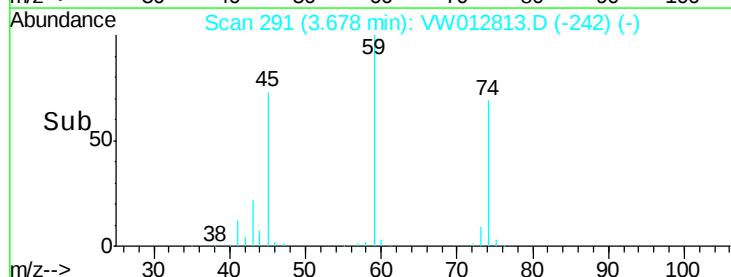
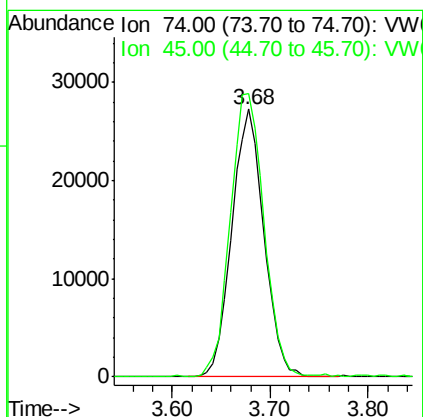
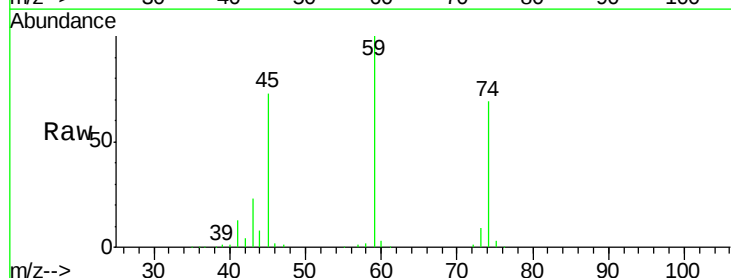
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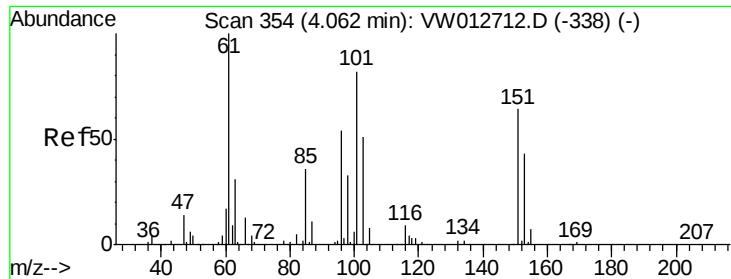


#8

Diethyl Ether
Concen: 51.344 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.9	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.795 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

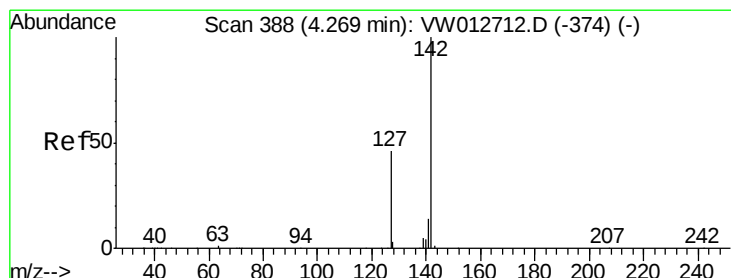
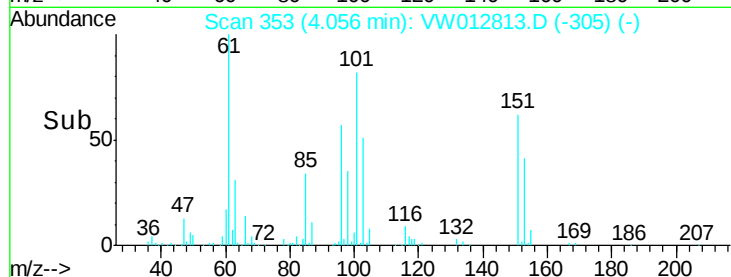
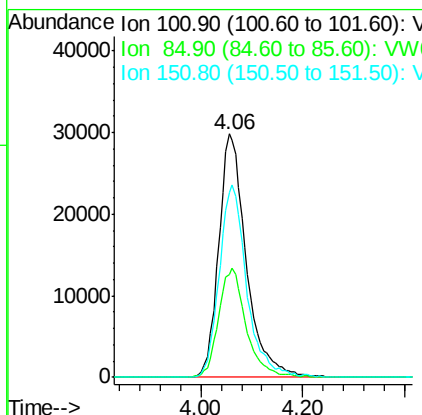
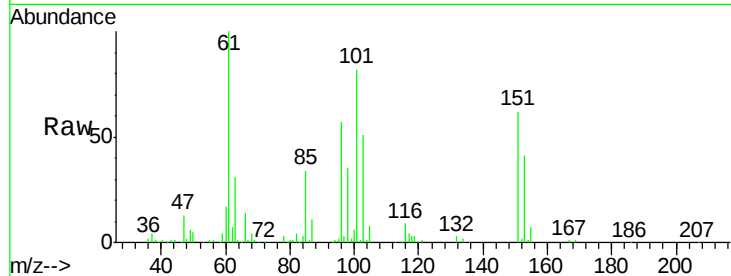
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	111953
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.2	54.2
151	78.4	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 51.345 ug/l

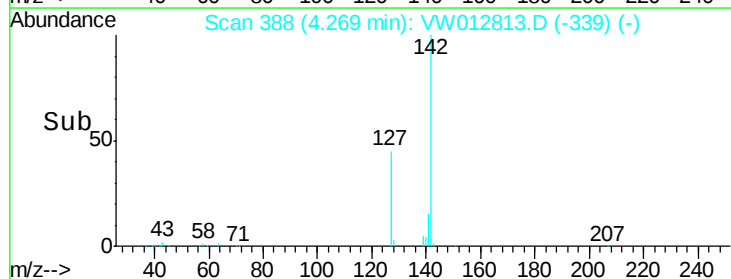
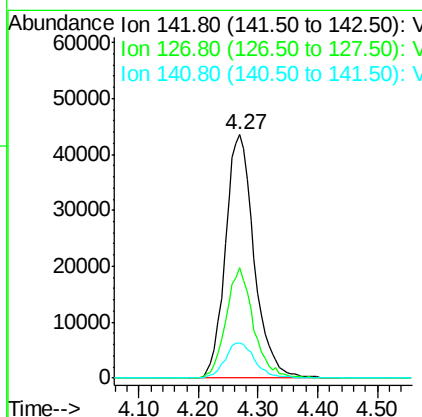
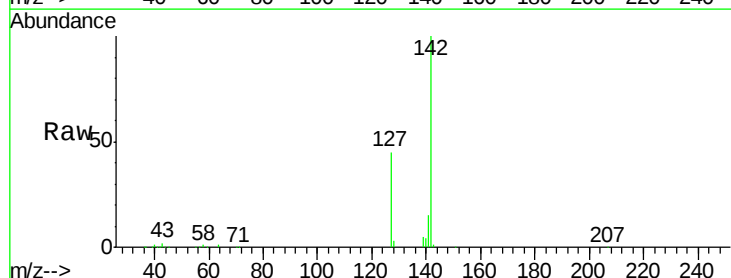
RT: 4.27 min Scan# 388

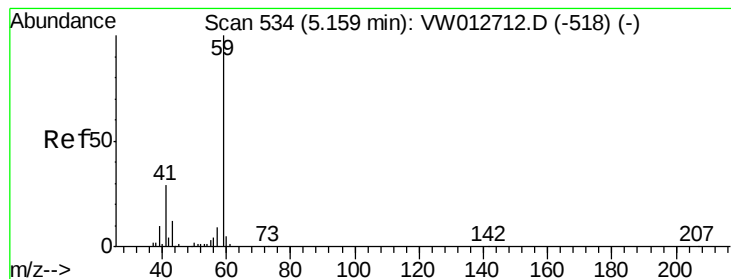
Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion:	142	Resp:	145321
Ion Ratio	Lower	Upper	
142	100		
127	43.3	36.0	54.0
141	15.0	12.2	18.4





#11

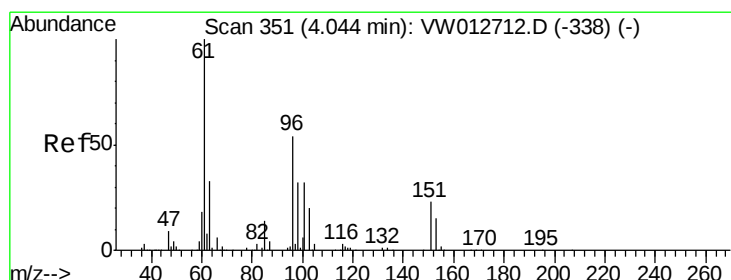
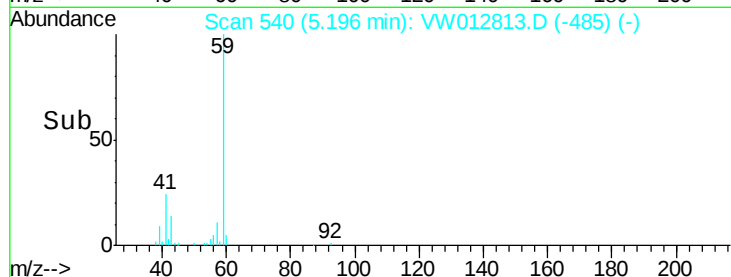
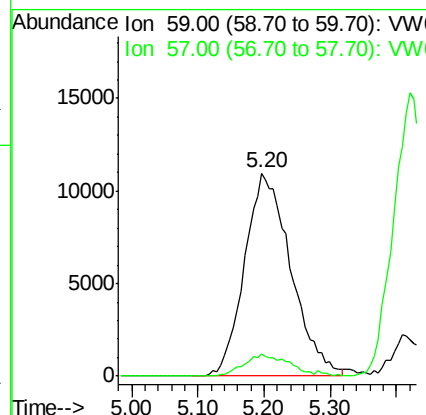
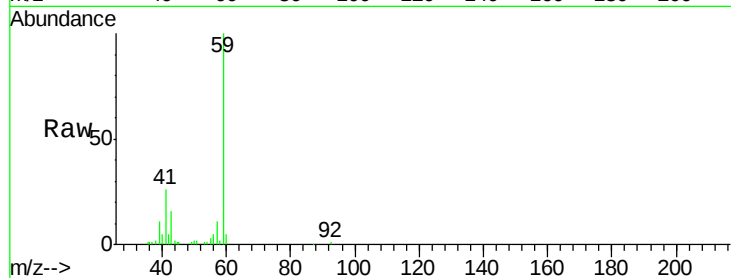
Tert butyl alcohol
 Concen: 242.879 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.04 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	53361
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

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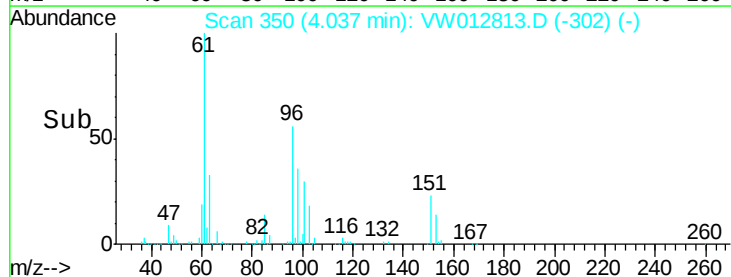
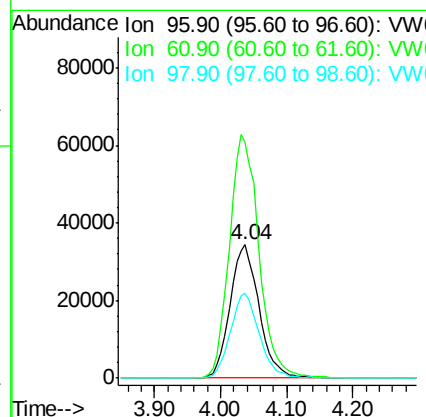
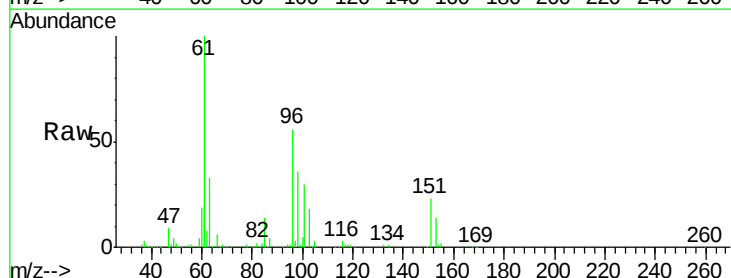
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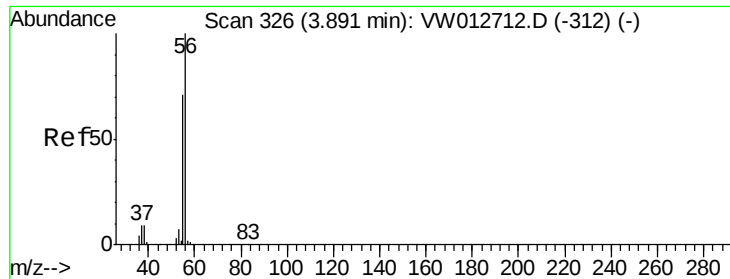


#12

1,1-Dichloroethene
 Concen: 49.213 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	96	Resp	104447
Ion Ratio	100	Lower	Upper
61	177.7	147.8	221.6
98	63.9	47.9	71.9





#13

Acrolein

Concen: 239.649 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 55873

Ion Ratio Lower Upper

56 100

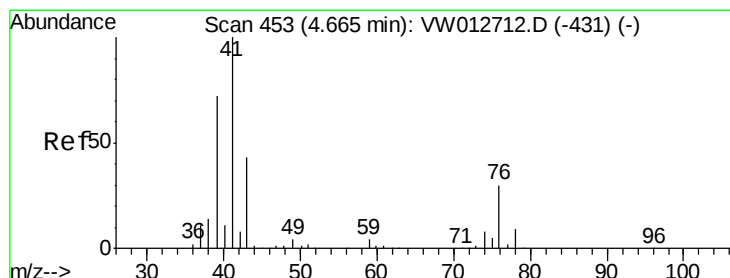
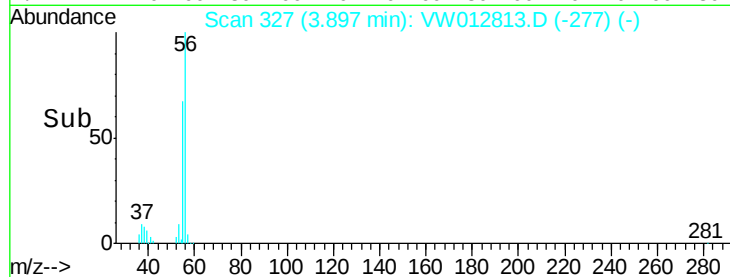
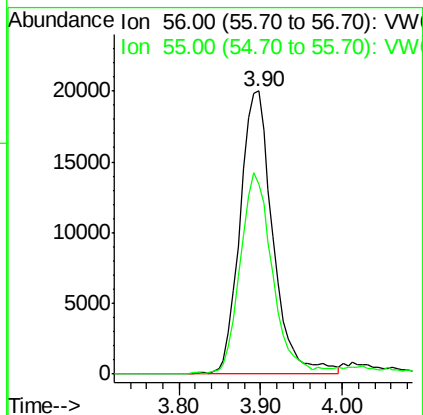
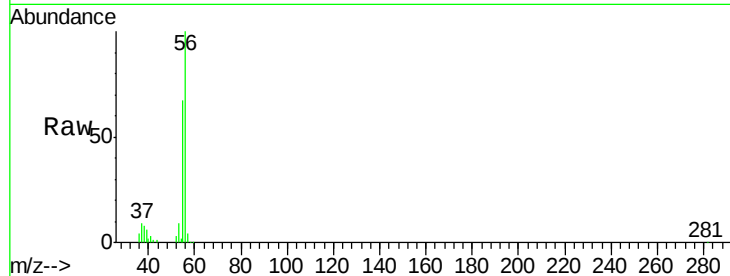
55 68.9 56.9 85.3

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#14

Allyl chloride

Concen: 48.864 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

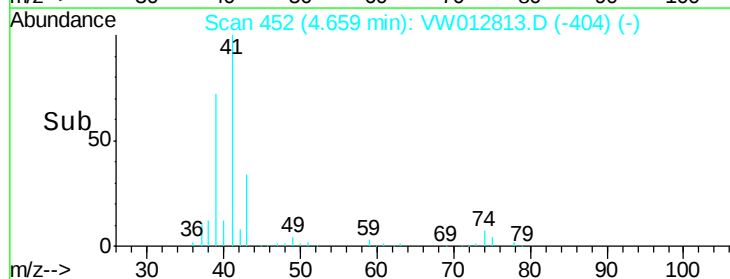
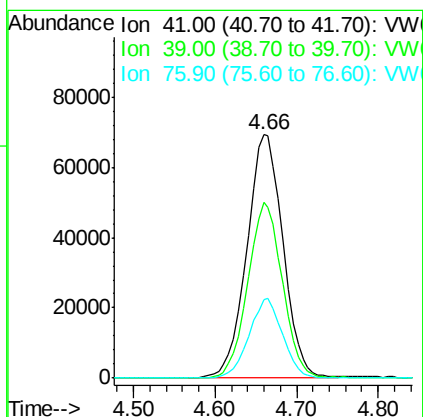
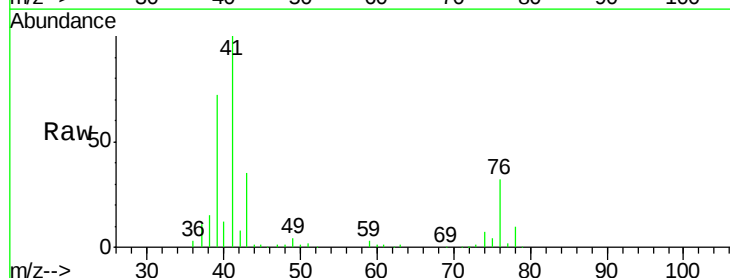
Tgt Ion: 41 Resp: 214534

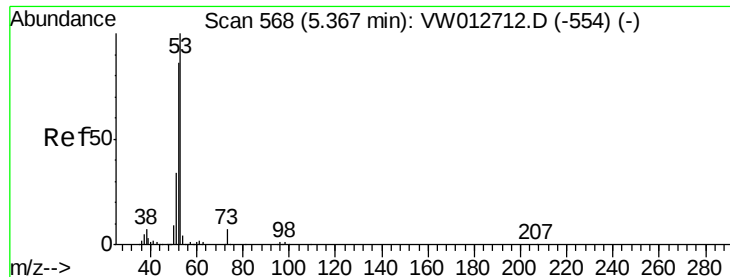
Ion Ratio Lower Upper

41 100

39 69.3 55.0 82.6

76 30.3 23.0 34.4





#15

Acrylonitrile

Concen: 241.153 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

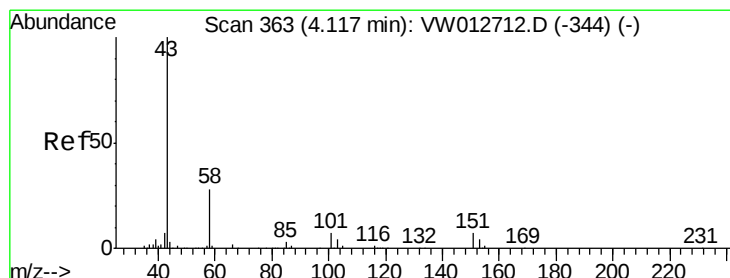
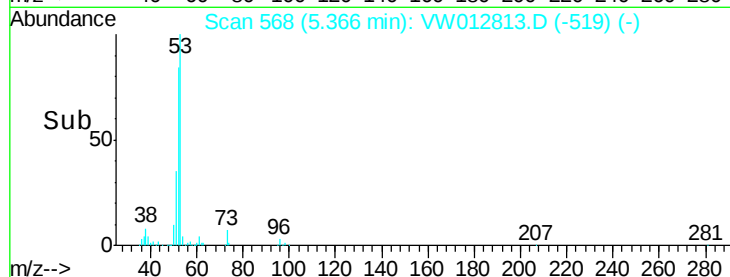
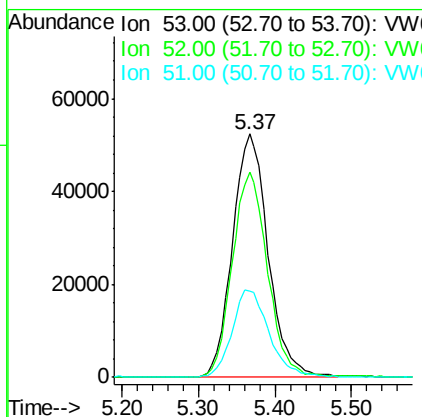
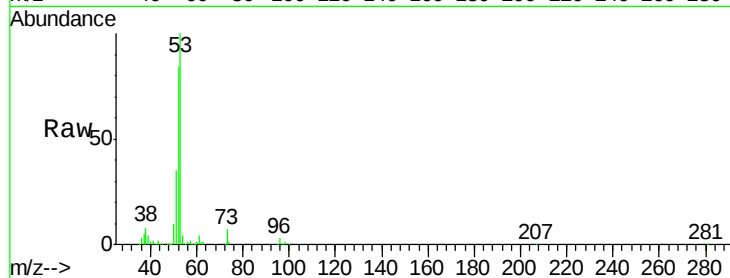
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	169602
Ion Ratio	Lower	Upper	
53	100		
52	83.2	67.0	100.4
51	37.3	29.8	44.8

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#16

Acetone

Concen: 262.918 ug/l

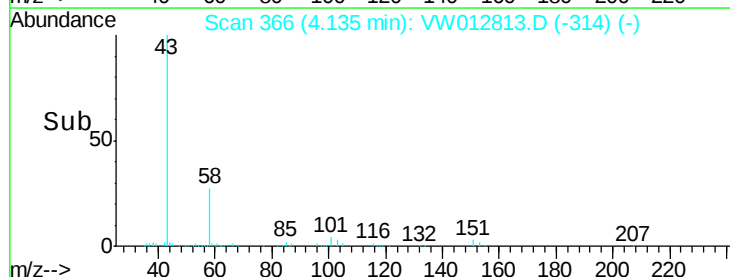
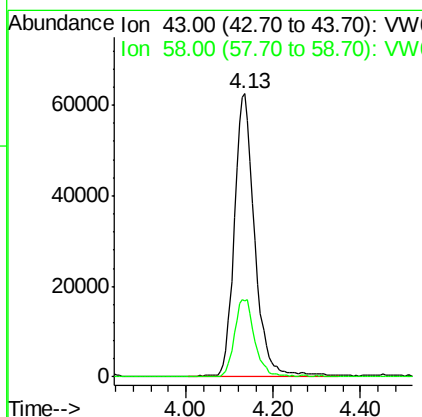
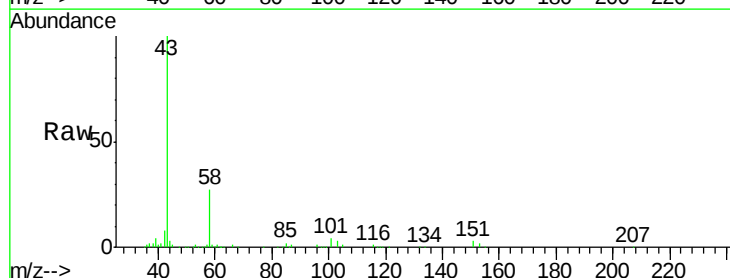
RT: 4.13 min Scan# 366

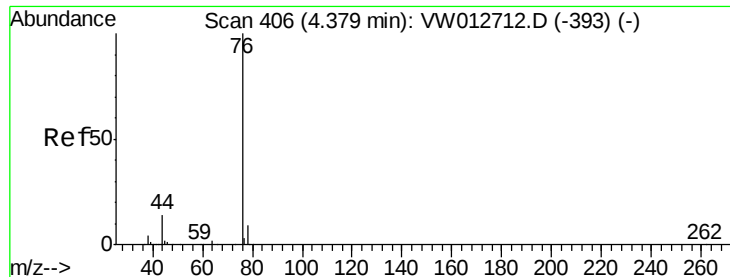
Delta R.T. 0.02 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion:	43	Resp:	205822
Ion Ratio	Lower	Upper	
43	100		
58	26.7	22.6	33.8





#17

Carbon Disulfide

Concen: 46.591 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 209892

Ion Ratio Lower Upper

76 100

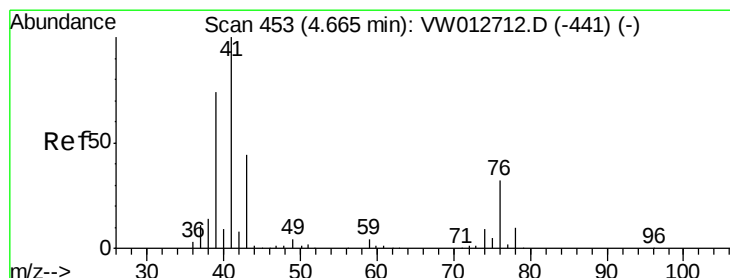
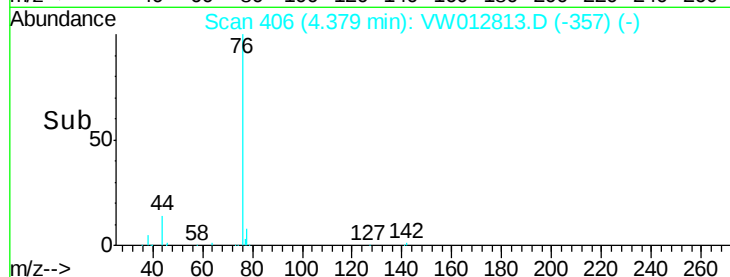
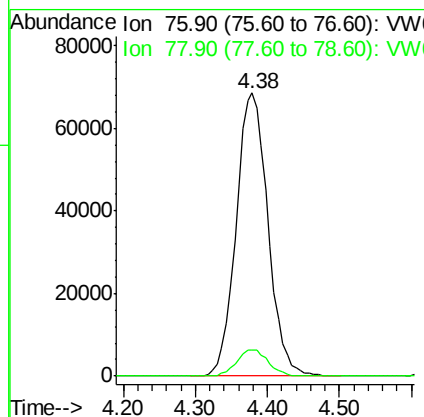
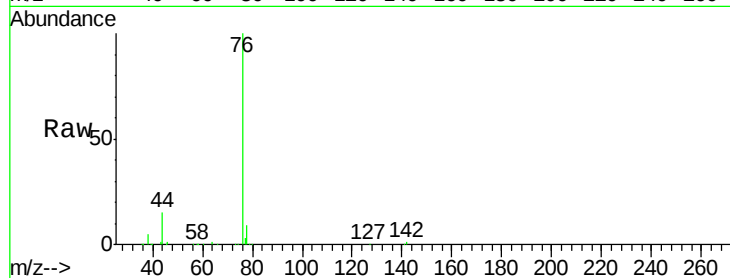
78 9.4 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 45.969 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012813.D

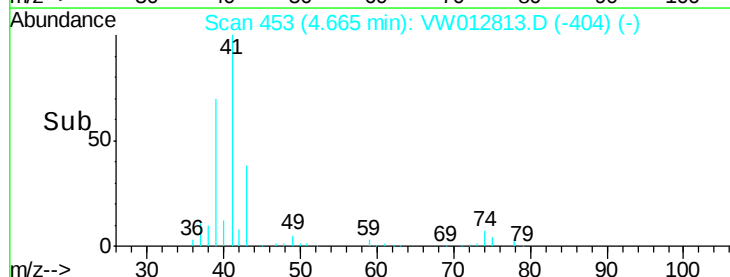
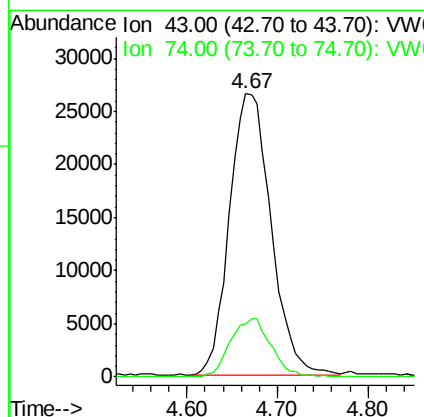
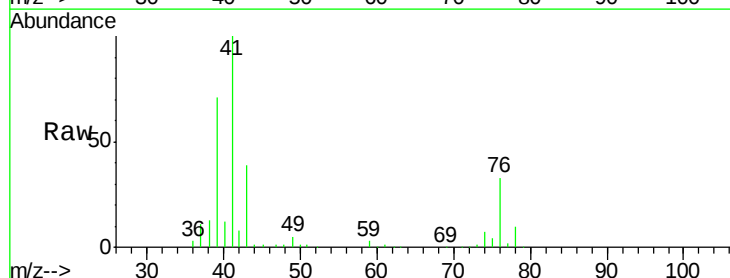
Acq: 09 Sep 2019 11:28

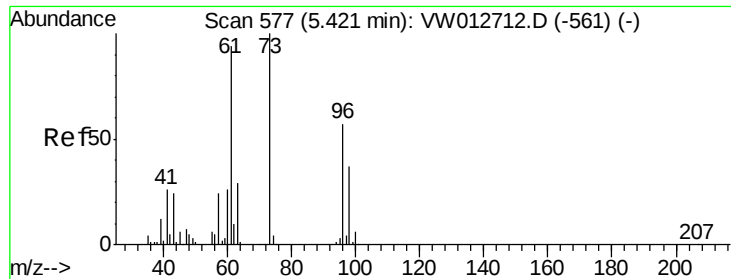
Tgt Ion: 43 Resp: 84430

Ion Ratio Lower Upper

43 100

74 20.3 15.8 23.6





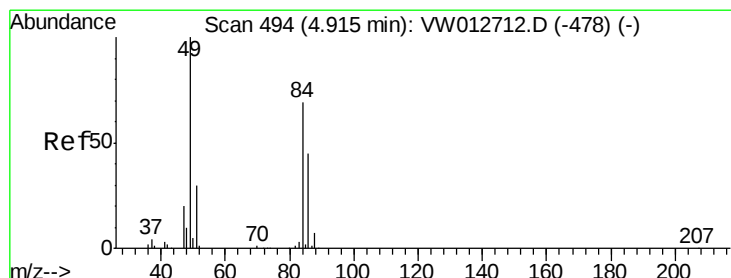
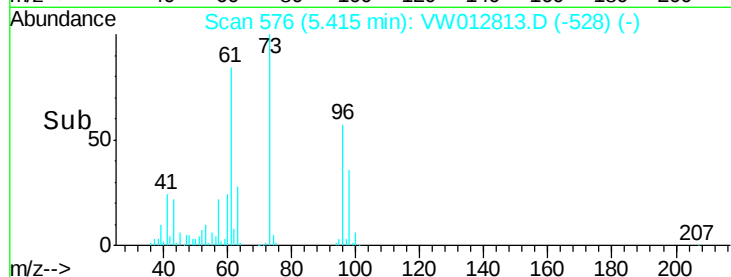
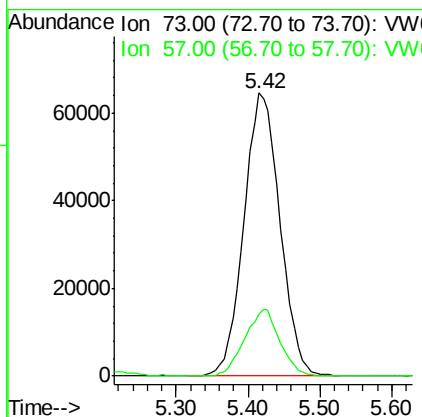
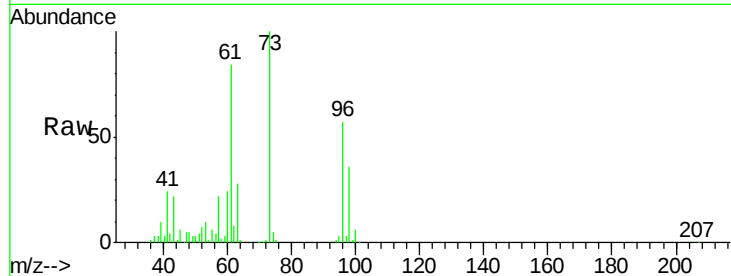
#19
Methvl tert-butvl Ether
Concen: 53.298 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 224338
Ion Ratio Lower Upper
73 100
57 22.0 19.2 28.8

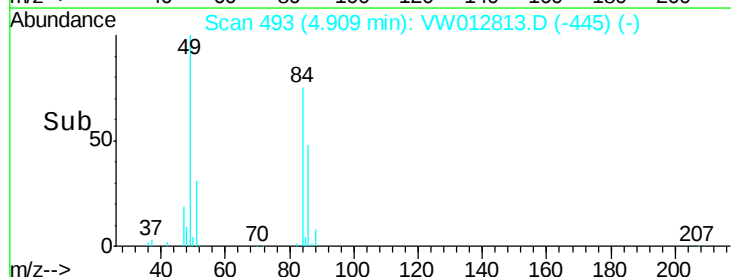
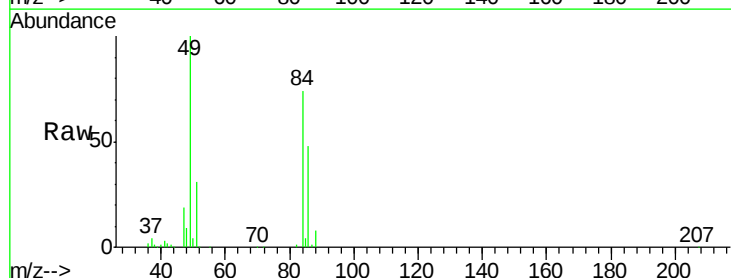
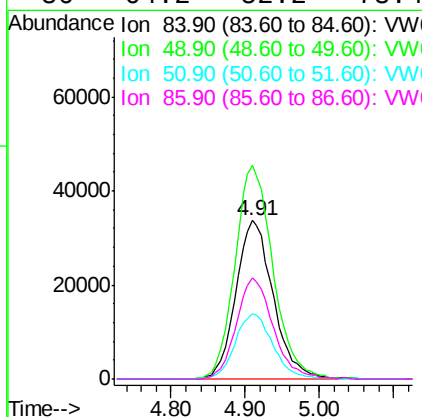
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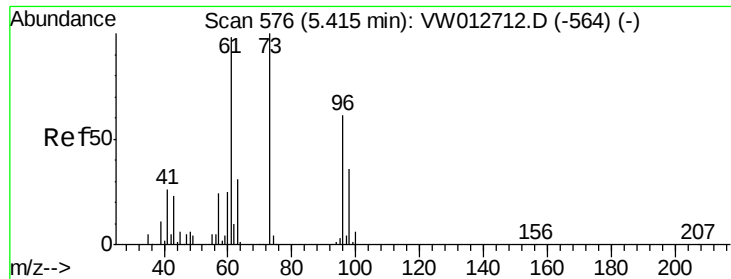
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#20
Methylene Chloride
Concen: 48.204 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 84 Resp: 118058
Ion Ratio Lower Upper
84 100
49 134.9 115.4 173.0
51 41.6 34.9 52.3
86 64.2 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 51.122 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

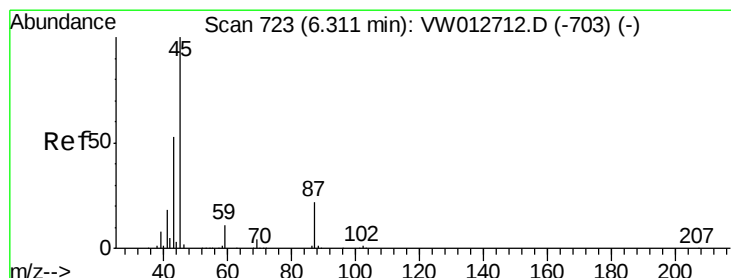
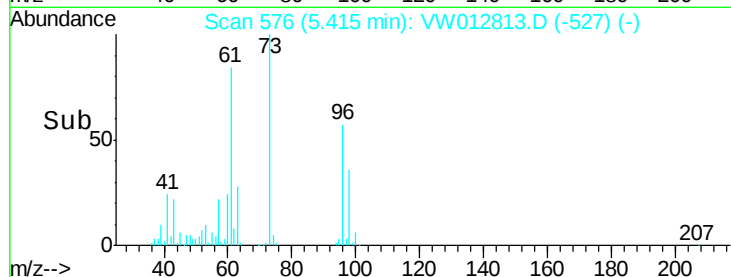
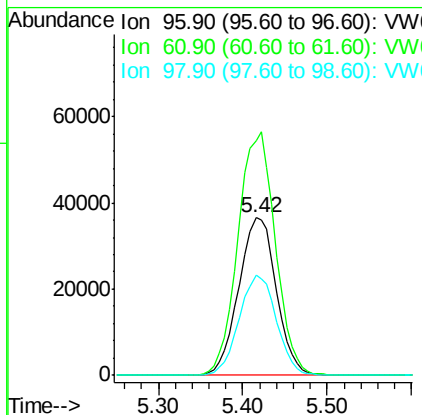
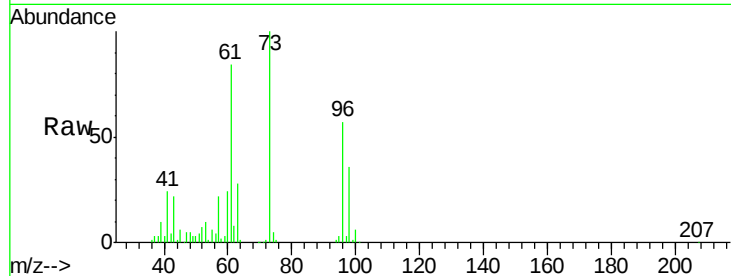
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	110707
Ion	Ratio	Lower	Upper
96	100		
61	148.9	129.2	193.8
98	63.6	48.0	72.0

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#22

Diisopropyl ether

Concen: 50.837 ug/l

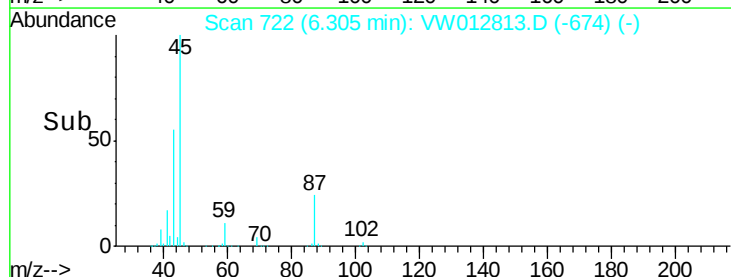
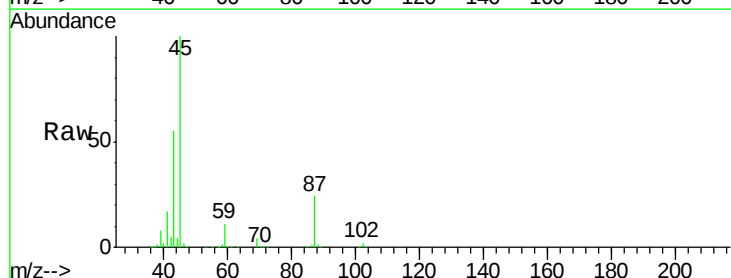
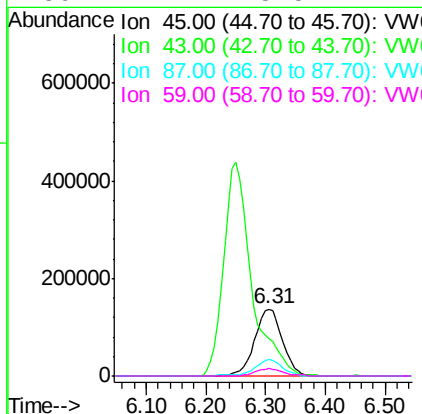
RT: 6.31 min Scan# 722

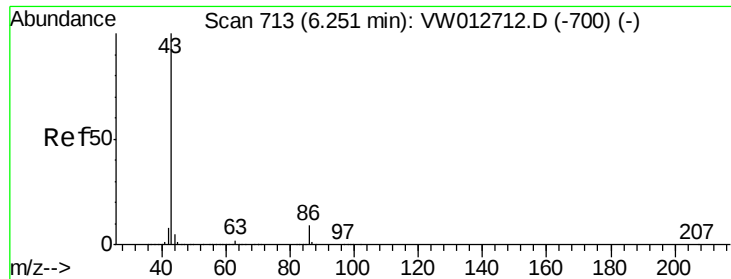
Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion:	45	Resp:	442673
Ion	Ratio	Lower	Upper
45	100		
43	55.4	42.3	63.5
87	24.1	18.2	27.2
59	11.1	8.5	12.7





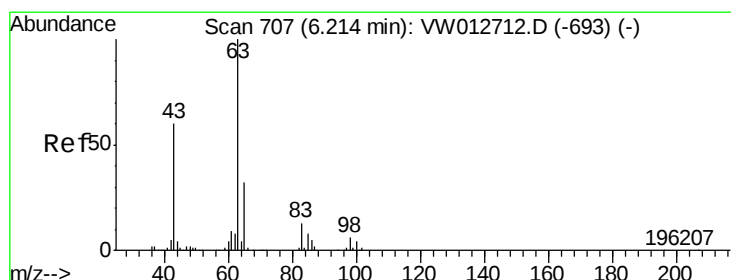
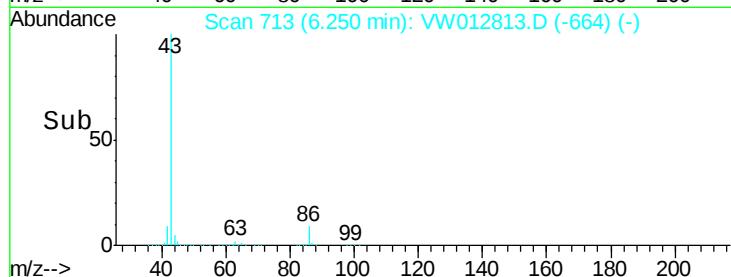
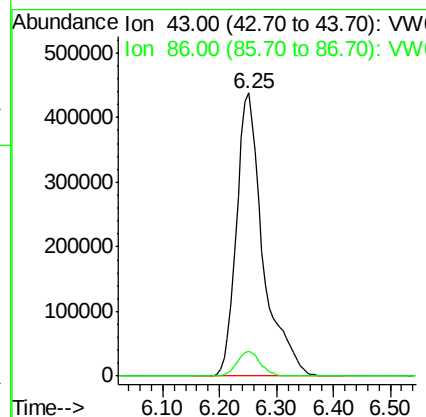
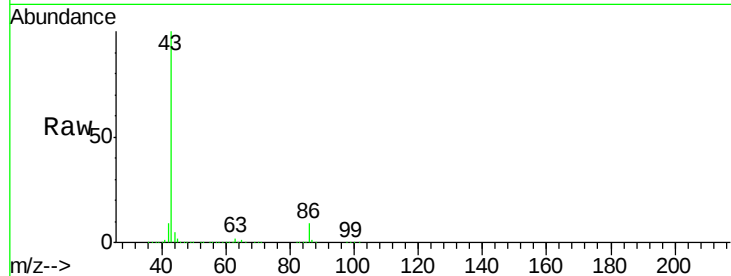
#23
 Vinyl Acetate
 Concen: 259.580 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1432494
 Ion Ratio Lower Upper
 43 100
 86 8.7 7.0 10.6

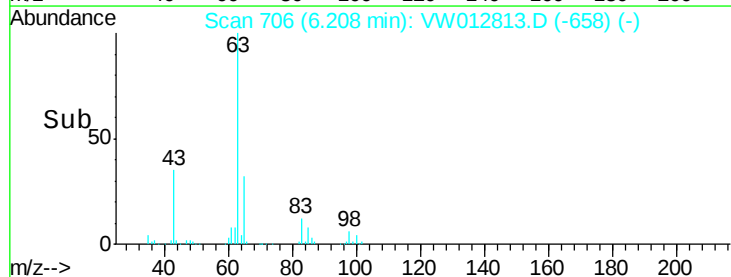
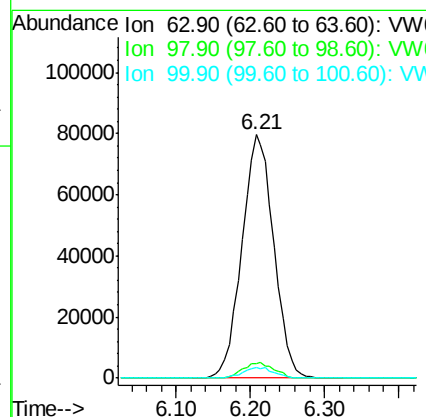
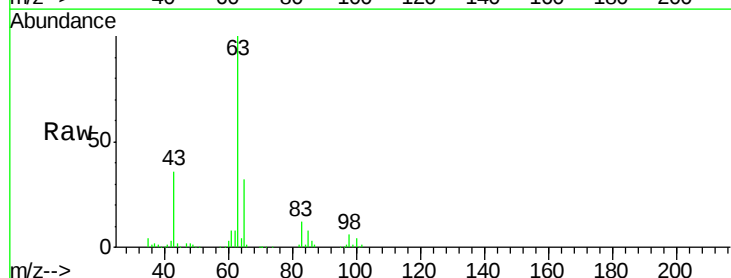
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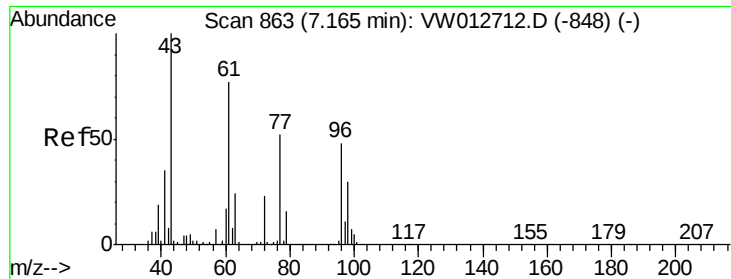
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#24
 1,1-Dichloroethane
 Concen: 50.778 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion: 63 Resp: 238078
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.1 9.3
 100 4.3 1.8 5.5





#25

2-Butanone

Concen: 224.623 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 256413

Ion Ratio Lower Upper

43 100

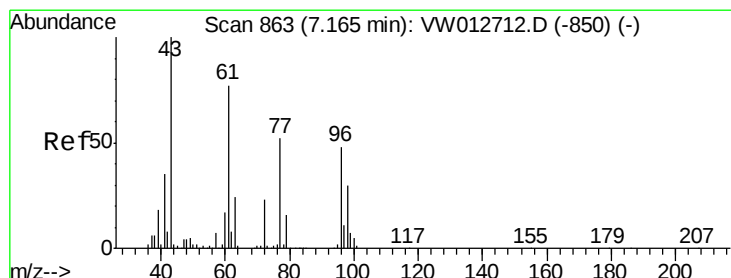
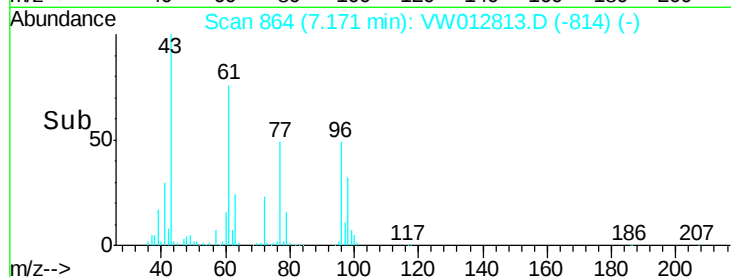
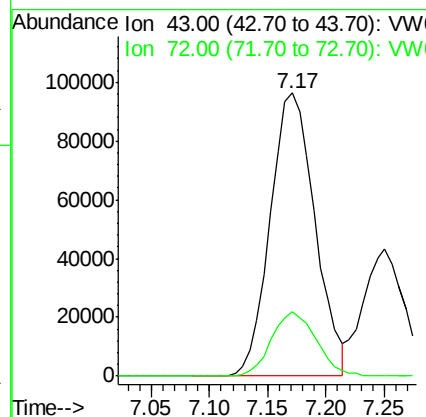
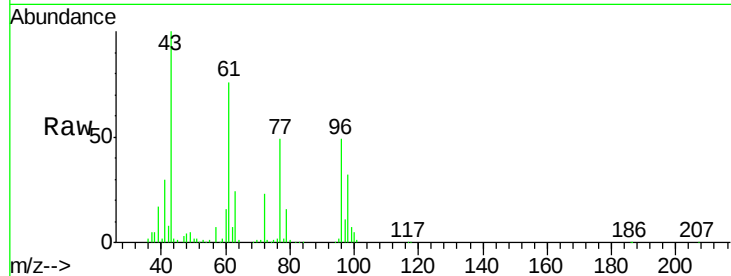
72 23.0 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.384 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012813.D

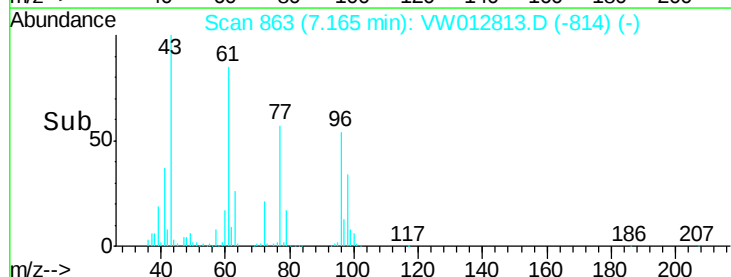
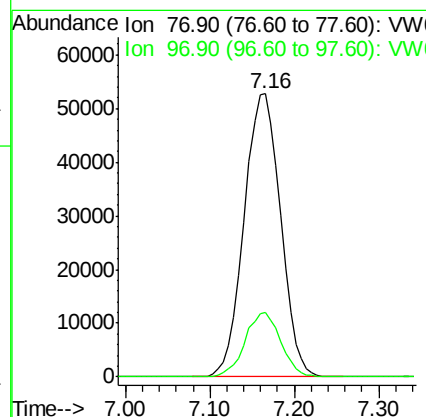
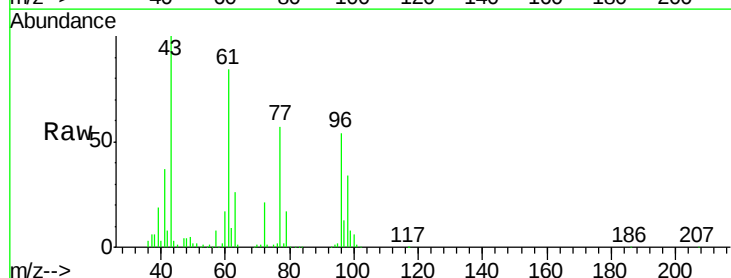
Acq: 09 Sep 2019 11:28

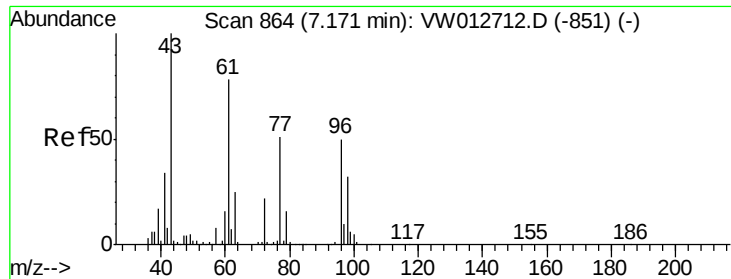
Tgt Ion: 77 Resp: 155126

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1





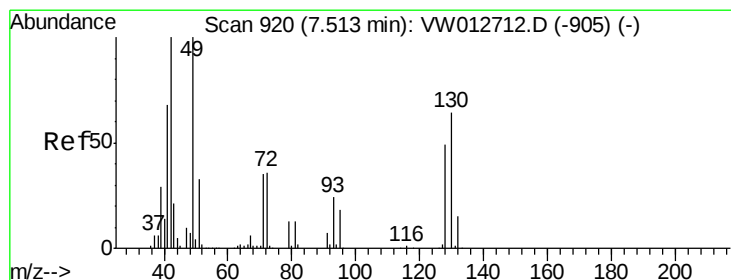
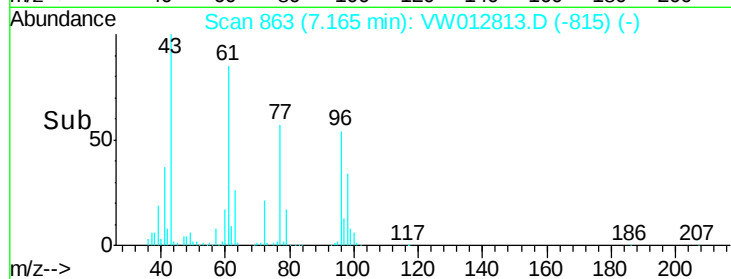
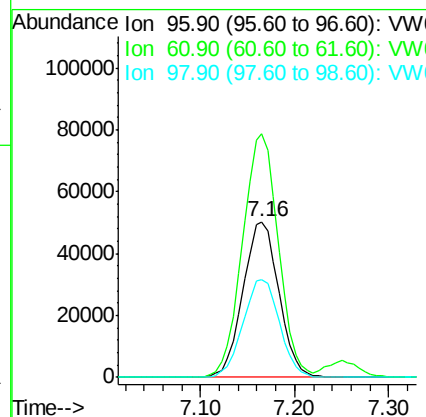
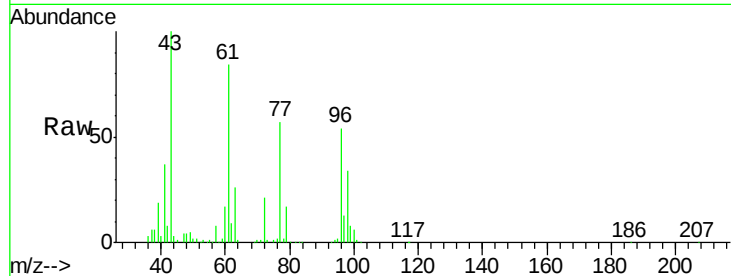
#27
 cis-1,2-Dichloroethene
 Concen: 53.000 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	325.8
98	64.0	0.0	127.0

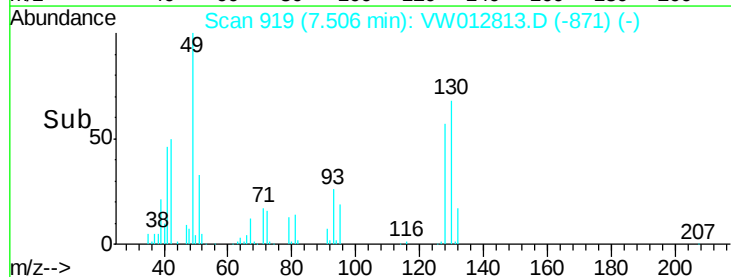
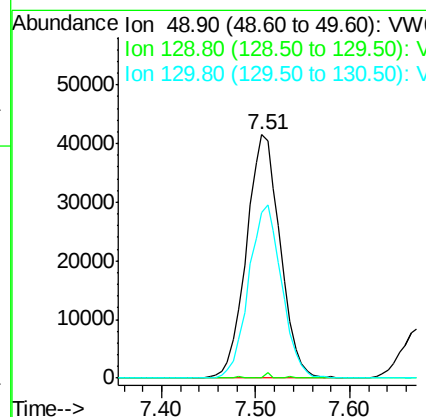
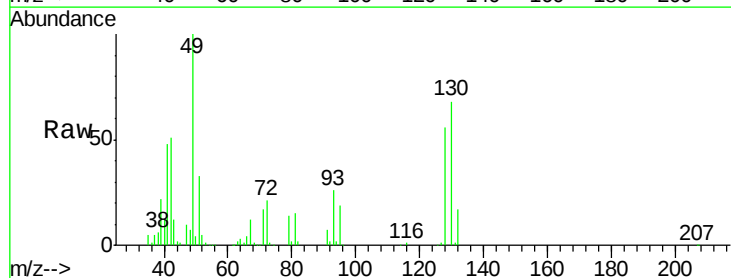
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#28
 Bromochloromethane
 Concen: 48.463 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	0.8
130	69.4	49.8	74.8





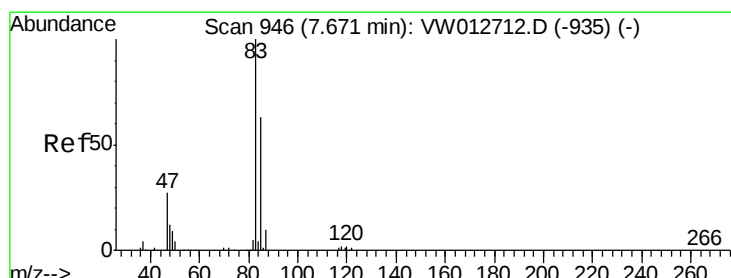
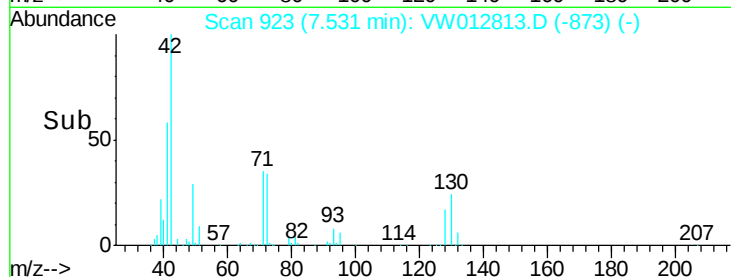
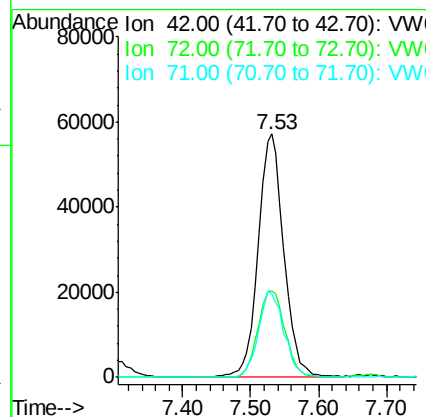
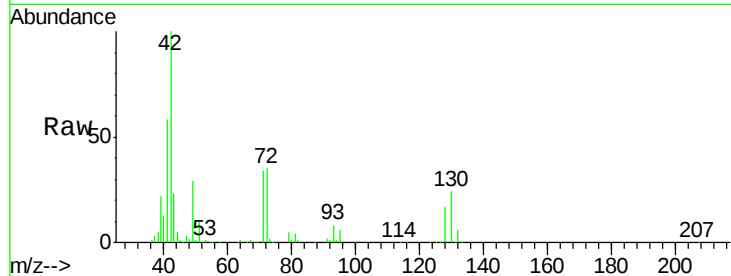
#29
Tetrahydrofuran
Concen: 238.817 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	28.4	42.6
71	34.9	27.1	40.7

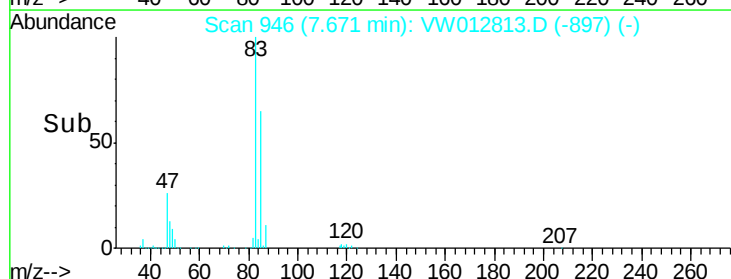
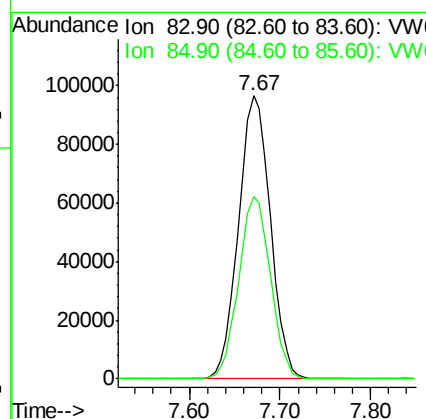
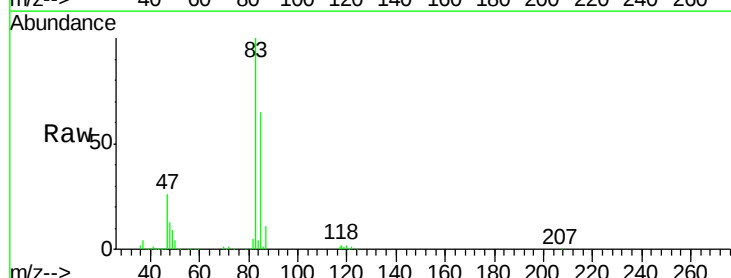
Manual Integrations
APPROVED

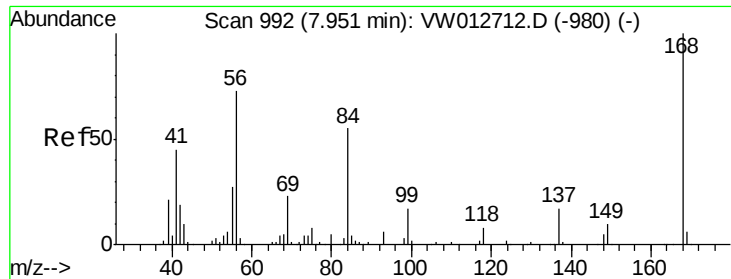
MMDadoda
9/11/2019 8:15:38 AM



#30
Chloroform
Concen: 50.641 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	76.0





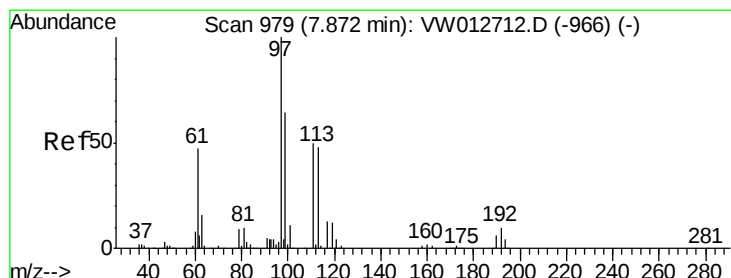
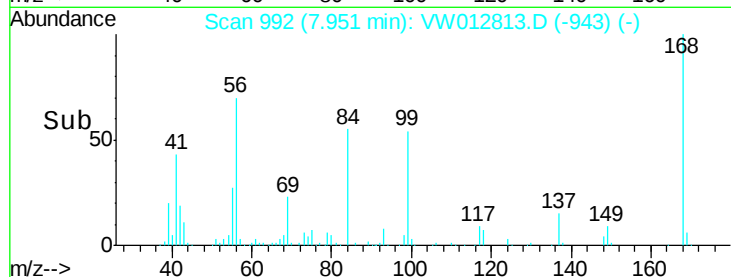
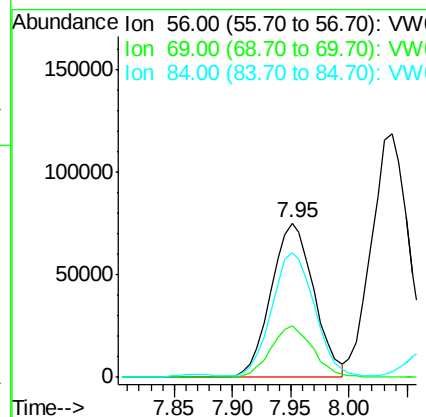
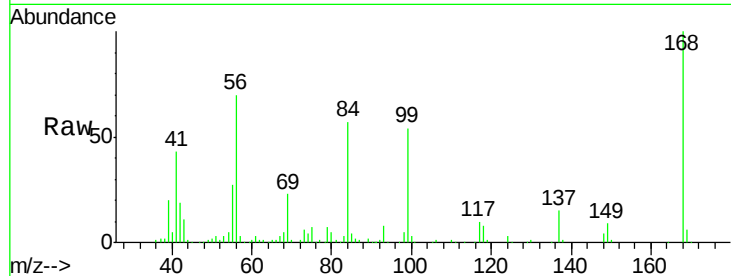
#31
Cyclohexane
Concen: 45.326 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	25.7	38.5
84	79.4	60.4	90.6

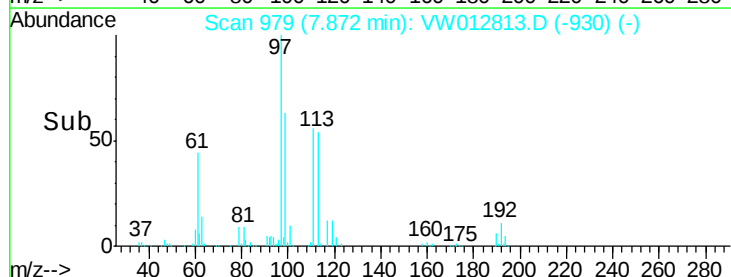
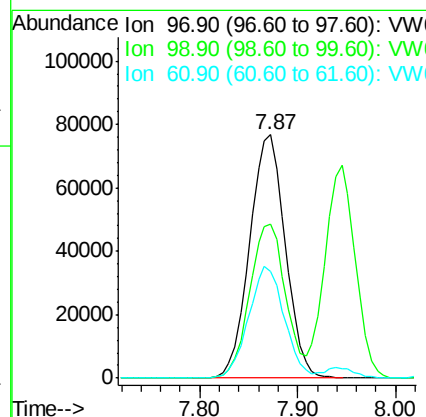
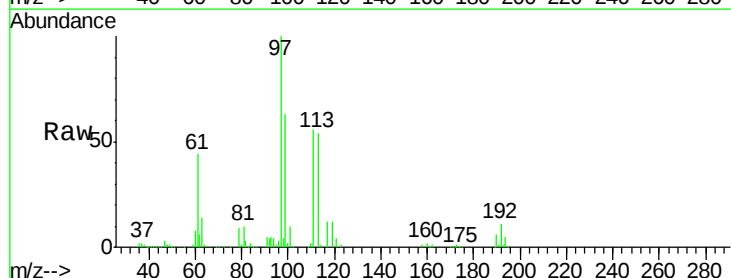
Manual Integrations
APPROVED

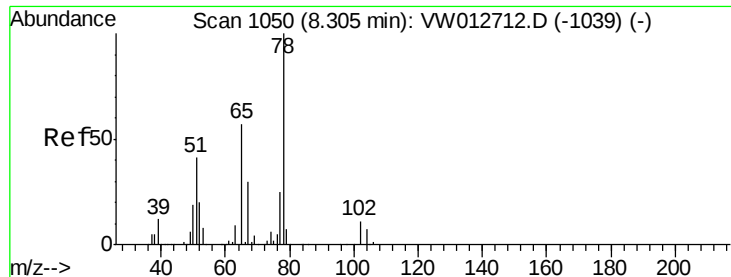
MMDadoda
9/11/2019 8:15:38 AM



#32
1,1,1-Trichloroethane
Concen: 51.336 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	45.9	37.9	56.9





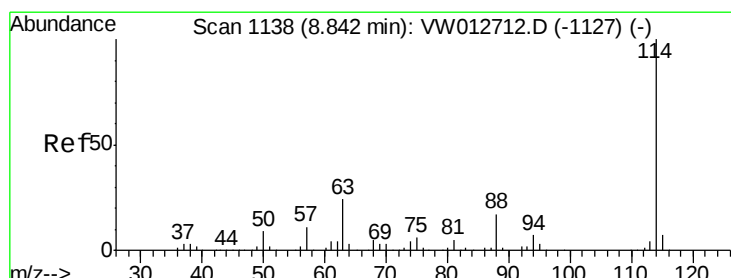
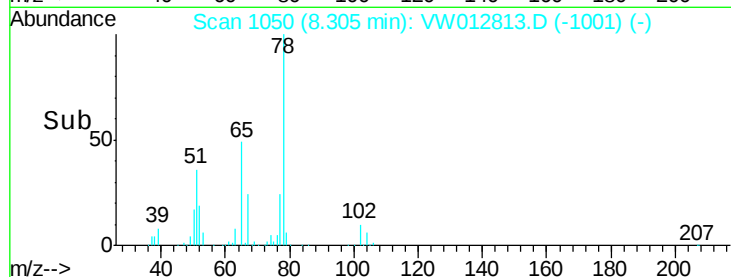
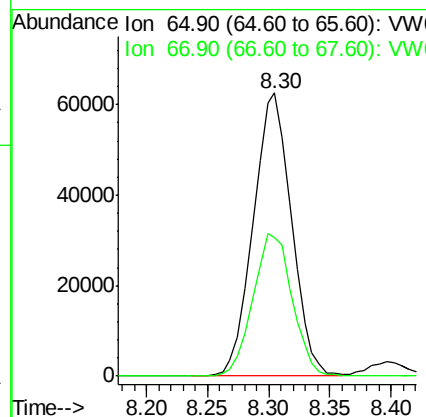
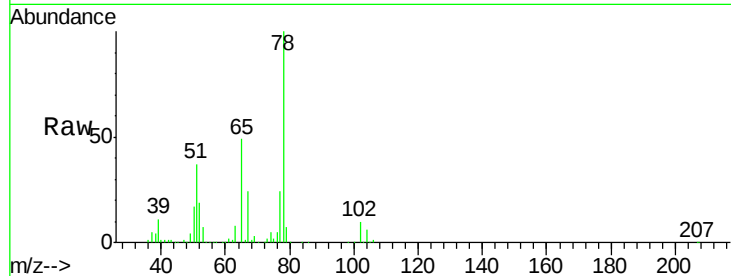
#33
 1,2-Dichloroethane-d4
 Concen: 47.457 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.8

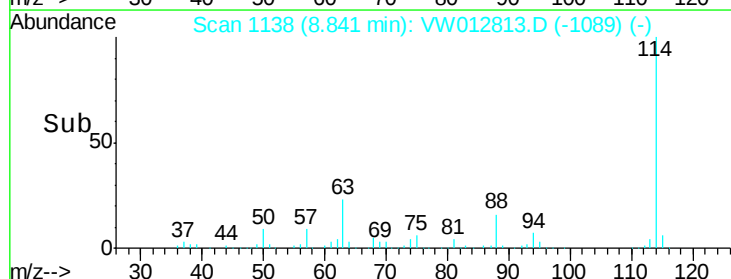
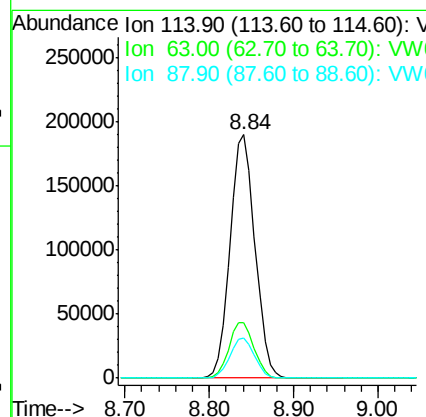
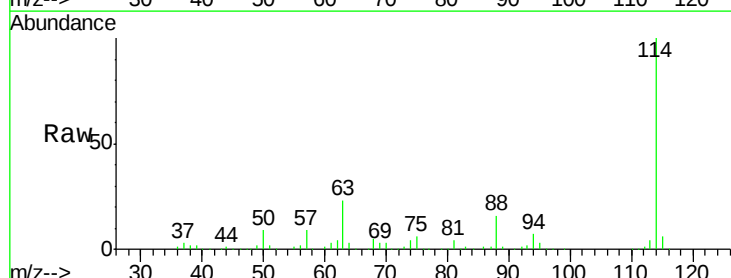
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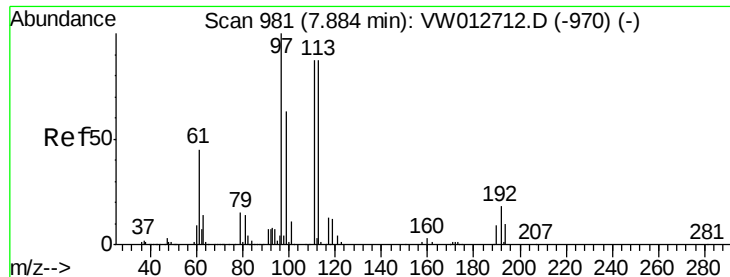
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	47.2
88	16.5	0.0	34.0





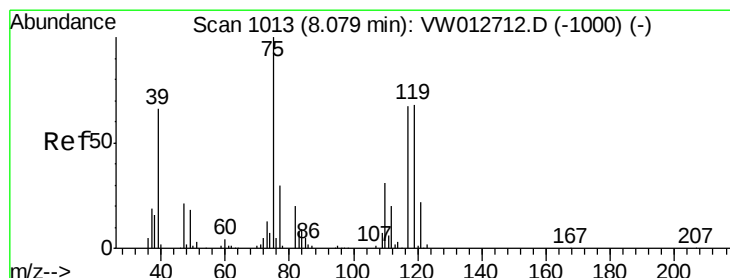
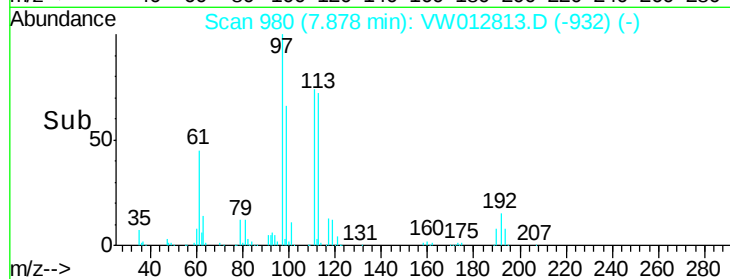
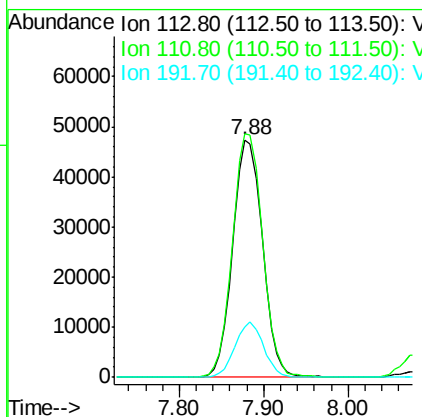
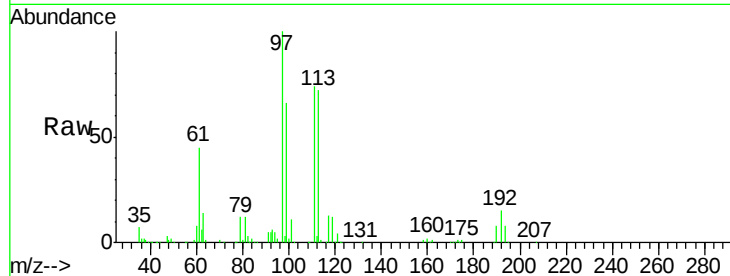
#35
 Dibromofluoromethane
 Concen: 49.858 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113255		
111	103.8	80.2	120.4	
192	22.3	17.3	25.9	

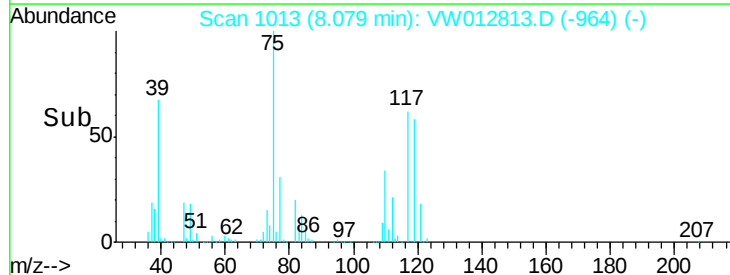
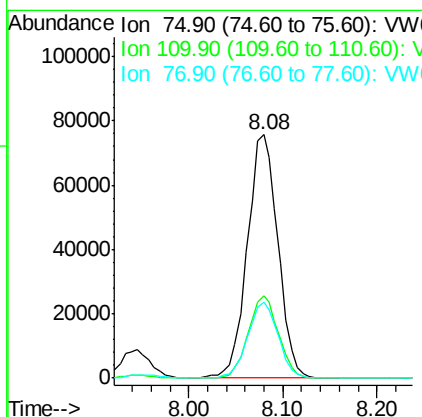
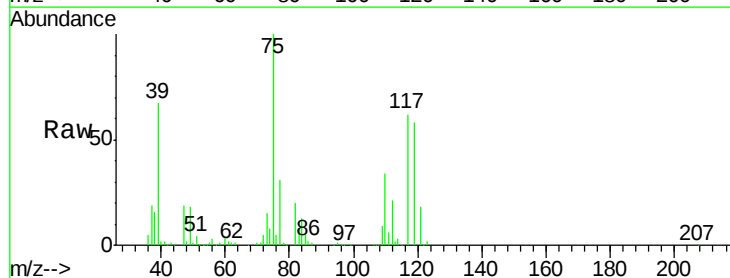
Manual Integrations
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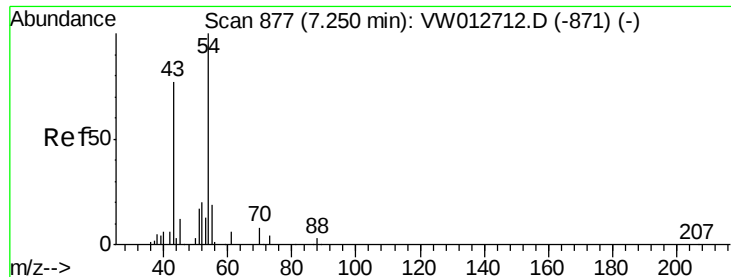
MMDadoda
 9/11/2019 8:15:38 AM



#36
 1,1-Dichloropropene
 Concen: 50.901 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172802		
110	33.2	15.9	47.7	
77	31.1	25.0	37.4	





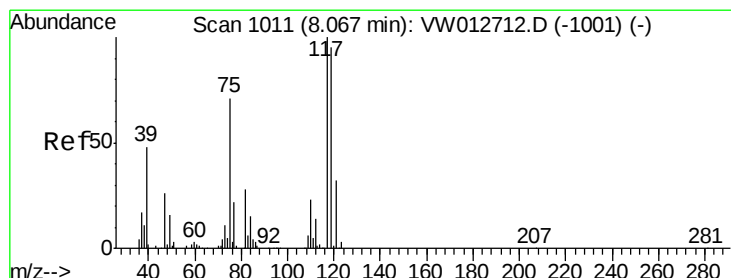
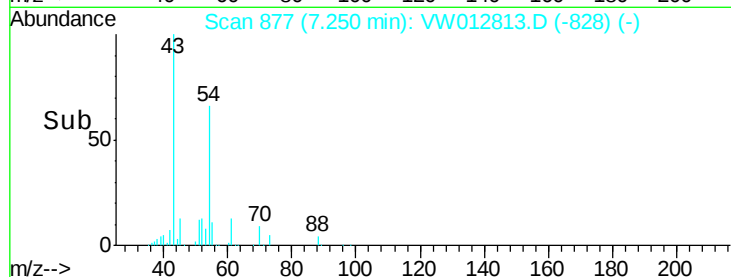
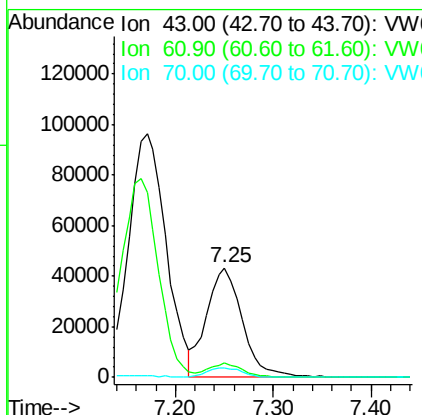
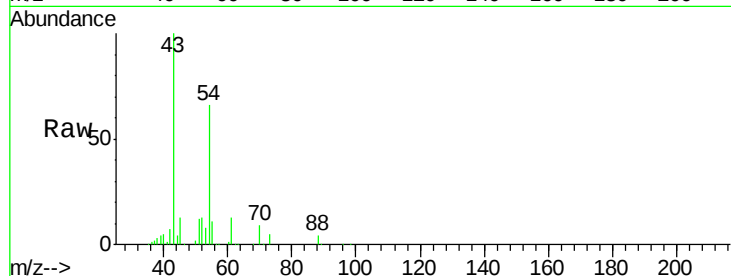
#37
Ethyl Acetate
Concen: 50.641 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	109594		
61	12.1		9.5	14.3
70	8.8		7.0	10.6

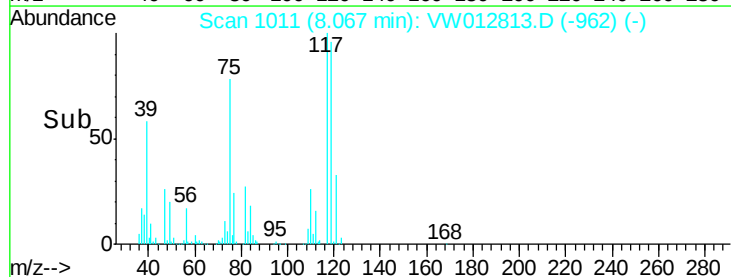
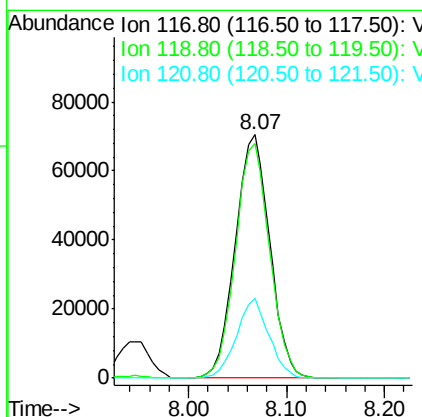
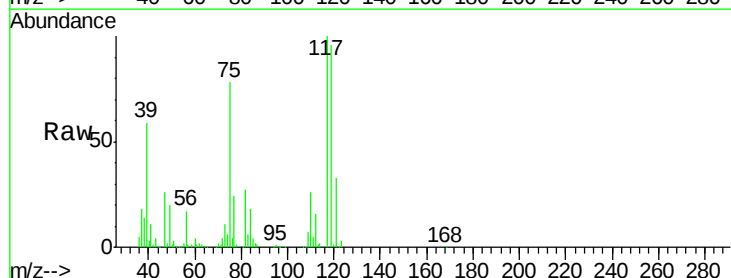
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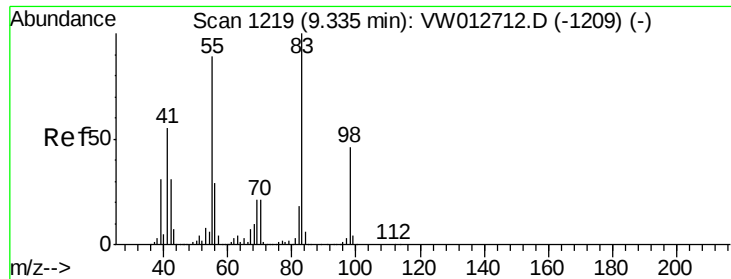
MMDadoda
9/11/2019 8:15:38 AM



#38
Carbon Tetrachloride
Concen: 51.615 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	172728		
119	96.3		76.2	114.2
121	32.8		25.4	38.2





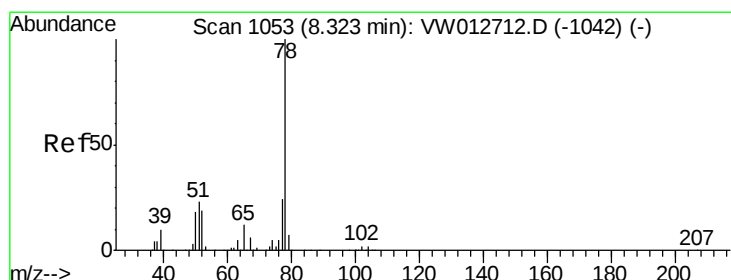
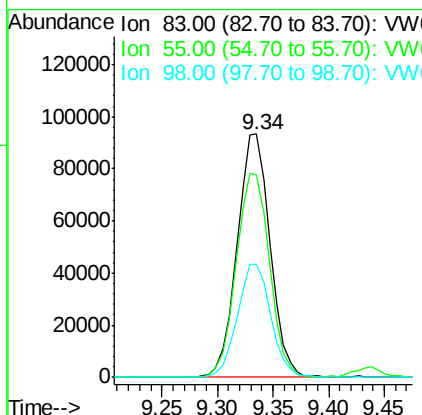
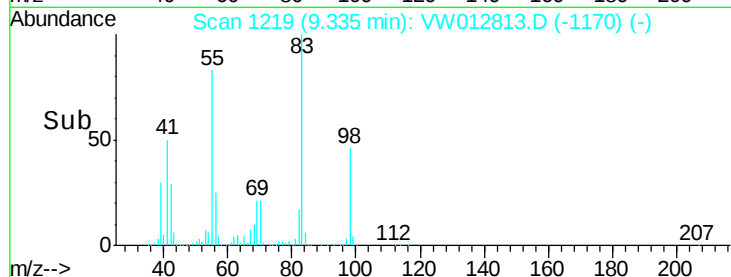
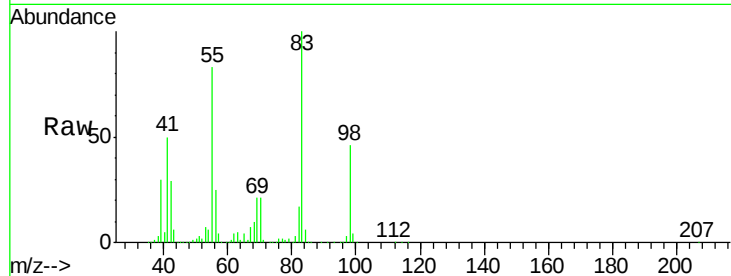
#39
Methvlcvclohexane
Concen: 50.117 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	191090
Ion Ratio	Lower	Upper	
83	100		
55	83.3	71.0	106.4
98	46.2	36.9	55.3

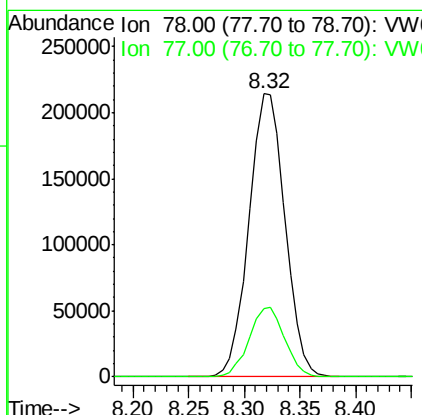
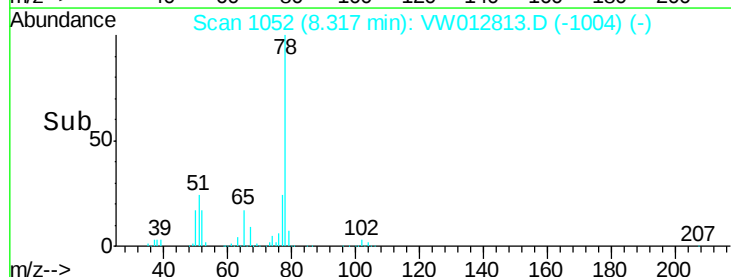
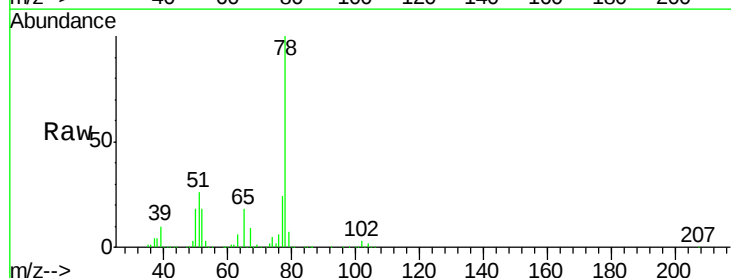
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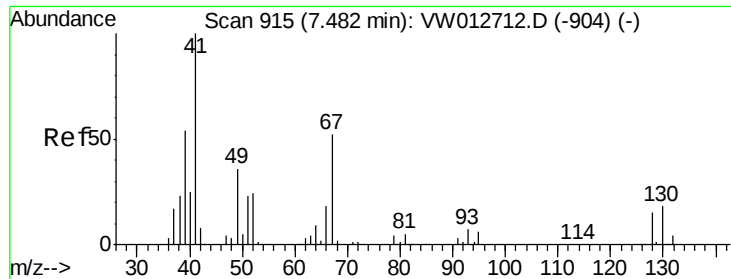
MMDadoda
9/11/2019 8:15:38 AM



#40
Benzene
Concen: 51.392 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	78	Resp	484064
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.3	28.9





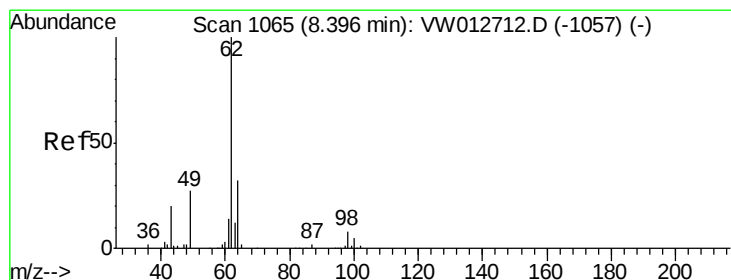
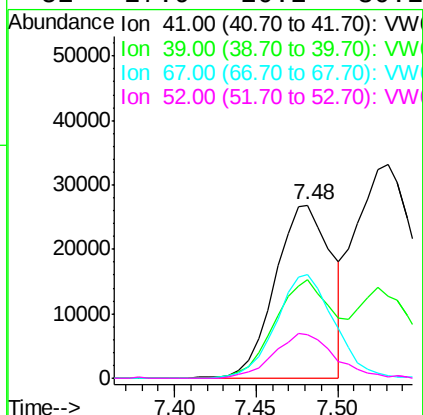
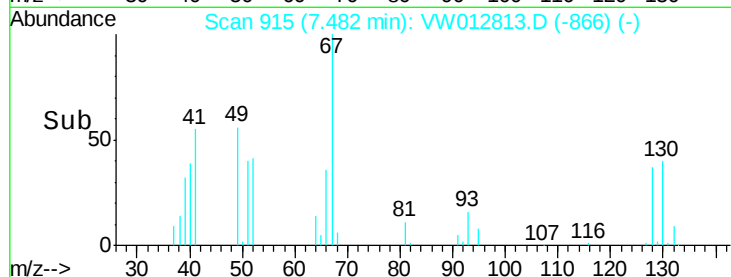
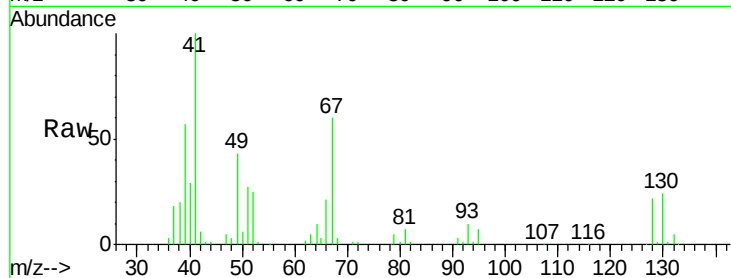
#41
Methacrylonitrile
Concen: 44.440 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.5	47.5	71.3
67	62.0	45.1	67.7
52	27.9	20.2	30.2

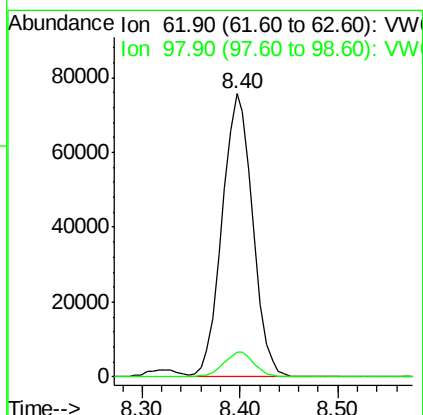
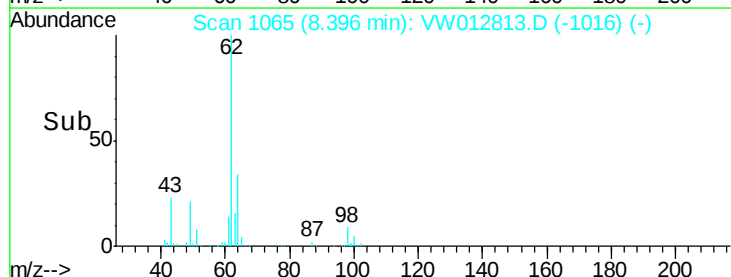
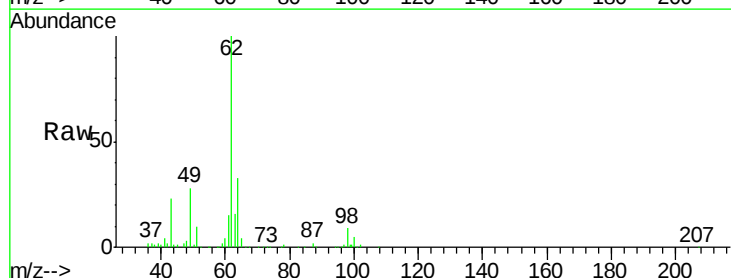
Manual Integrations
APPROVED

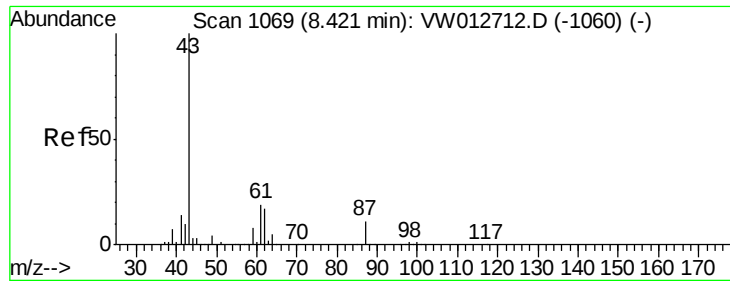
MMDadoda
9/11/2019 8:15:38 AM



#42
1,2-Dichloroethane
Concen: 49.364 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 51.267 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

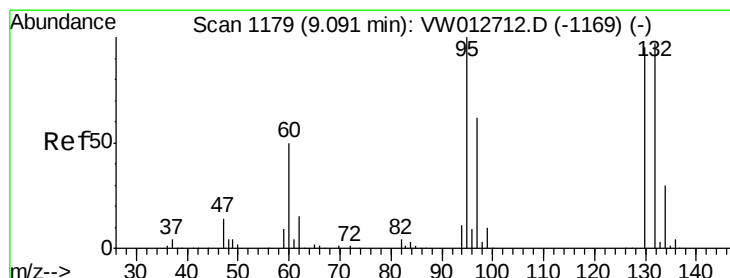
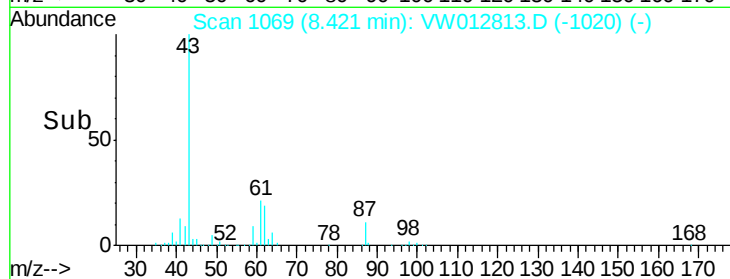
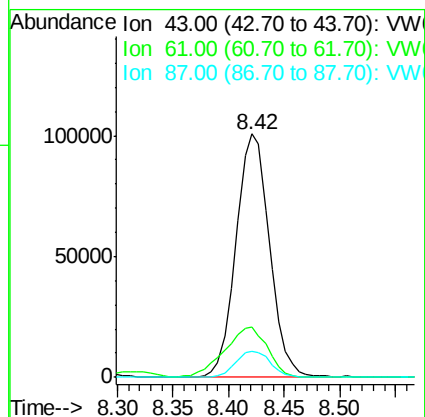
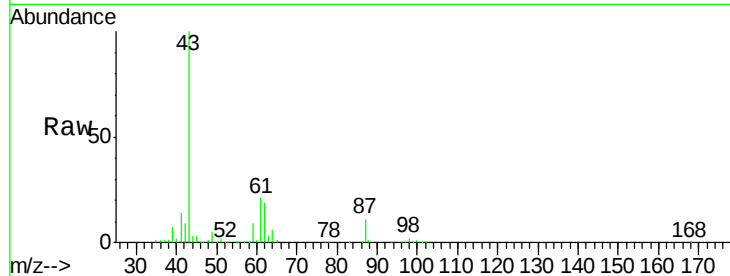
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	210198
Ion	Ratio	Lower	Upper
43	100		
61	26.6	20.6	30.8
87	11.3	8.6	13.0

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#44

Trichloroethene

Concen: 52.931 ug/l

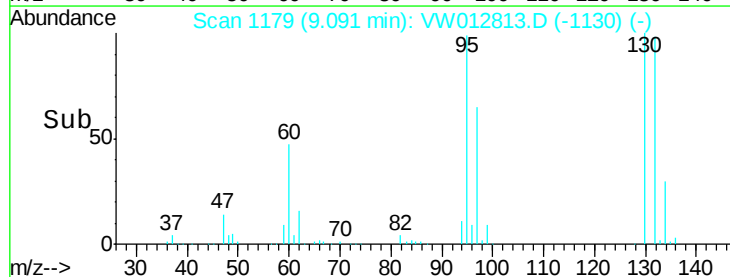
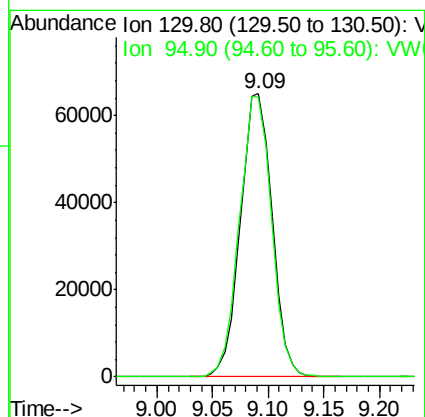
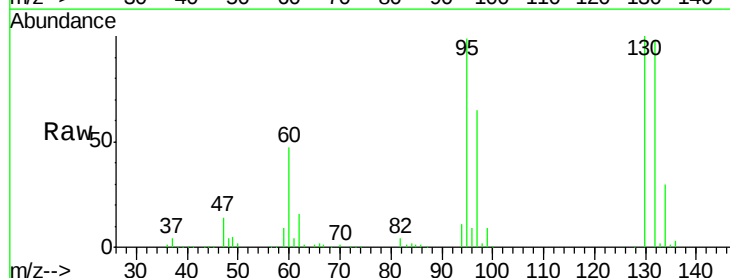
RT: 9.09 min Scan# 1179

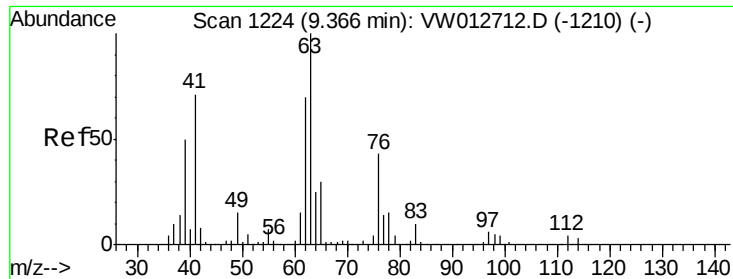
Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion:	130	Resp:	128515
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	210.6





#45

1,2-Dichloropropane

Concen: 51.020 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 133287

Ion Ratio Lower Upper

63 100

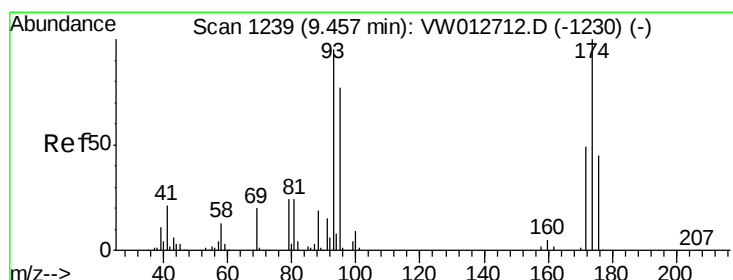
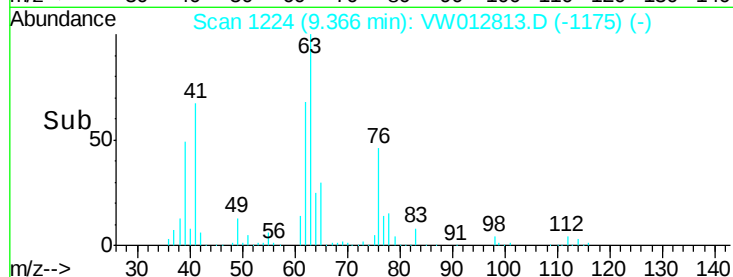
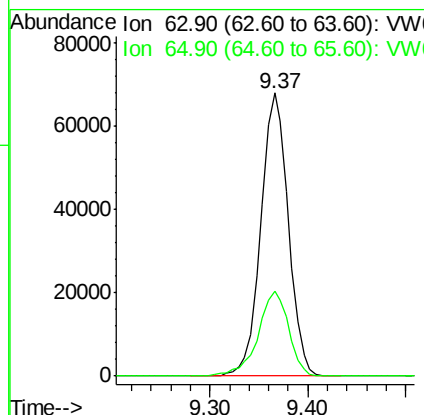
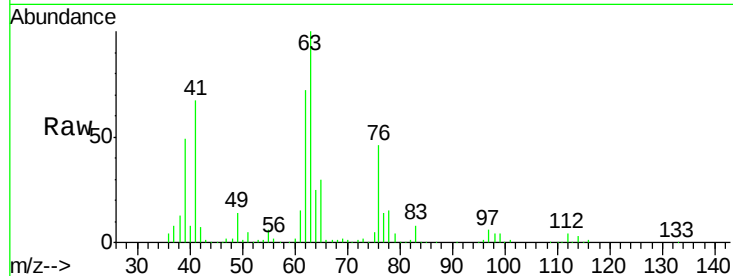
65 30.0 23.8 35.8

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#46

Dibromomethane

Concen: 52.982 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

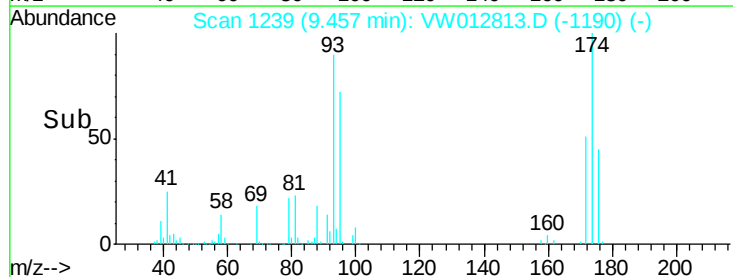
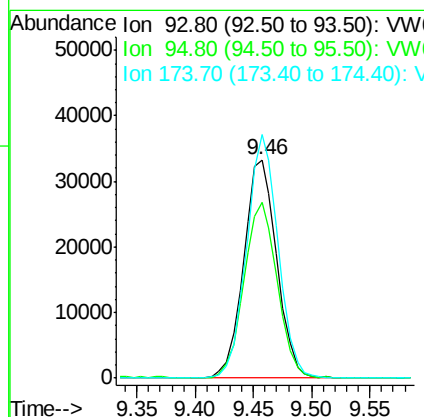
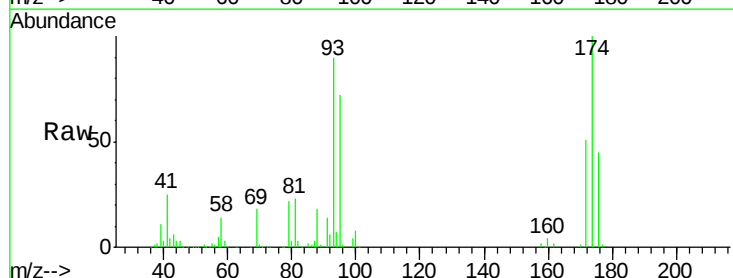
Tgt Ion: 93 Resp: 65543

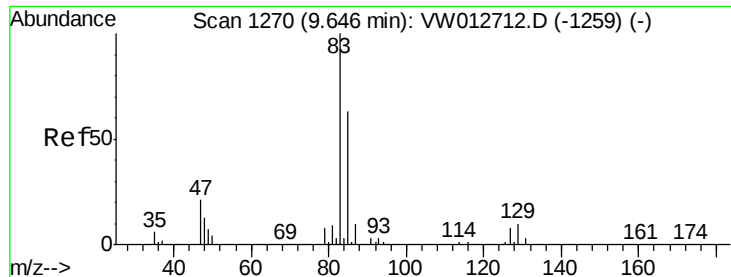
Ion Ratio Lower Upper

93 100

95 80.4 65.2 97.8

174 106.5 84.2 126.4





#47

Bromodichloromethane

Concen: 51.986 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

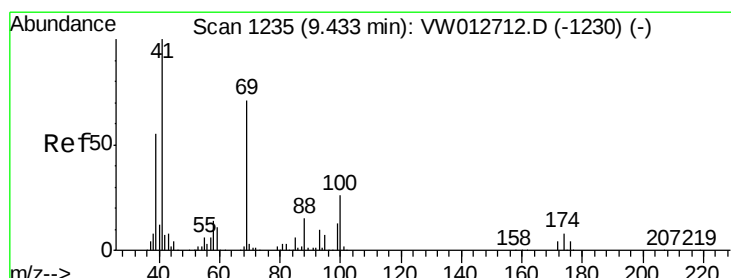
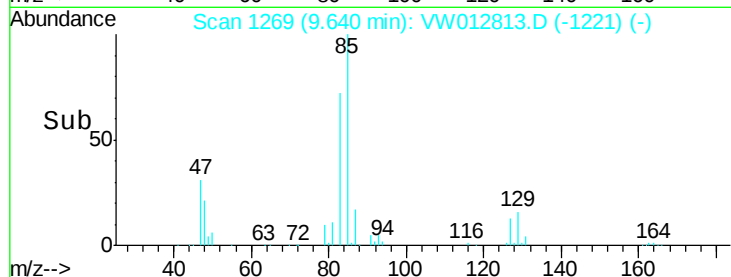
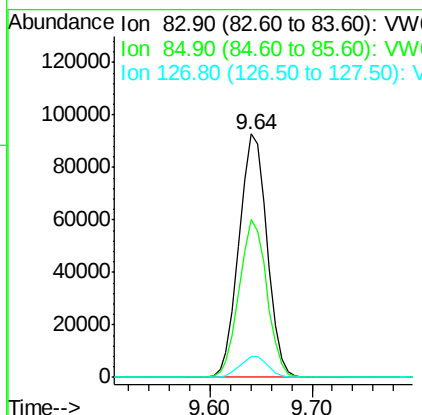
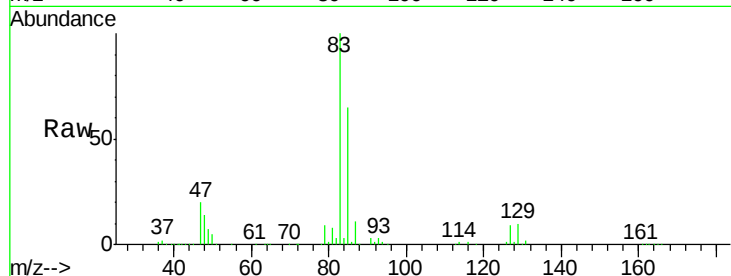
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	176935
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.2
127	8.7	6.6	9.8

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#48

Methyl methacrylate

Concen: 50.395 ug/l

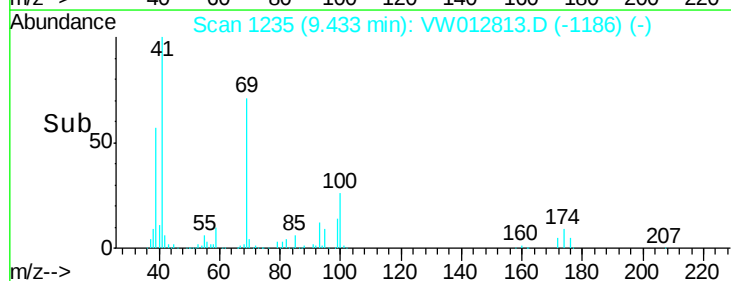
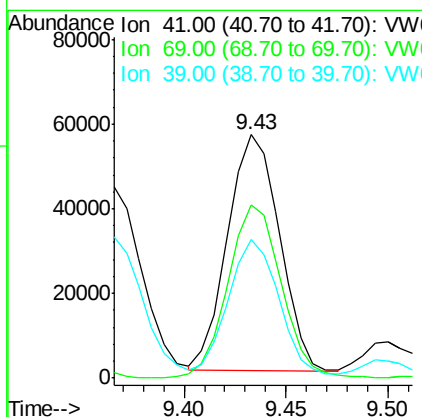
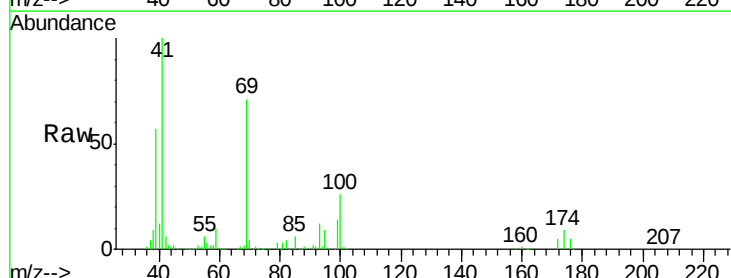
RT: 9.43 min Scan# 1235

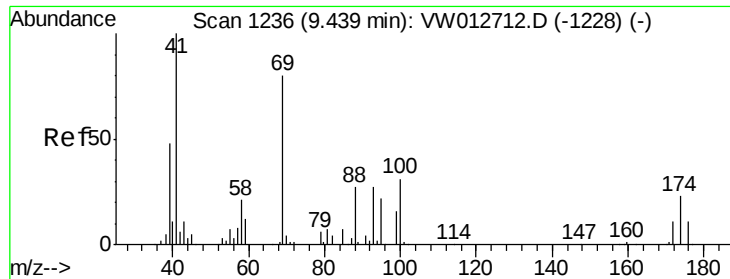
Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion:	41	Resp:	98744
Ion	Ratio	Lower	Upper
41	100		
69	74.9	59.8	89.8
39	58.1	47.0	70.6





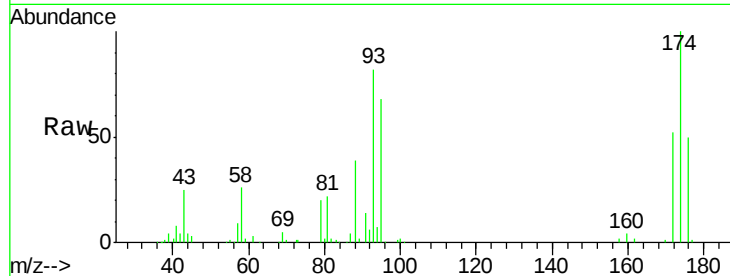
#49
1,4-Dioxane
Concen: 939.191 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	22950		
43	0.0	34.8	52.2	#
58	80.8	64.1	96.1	

Manual Integrations
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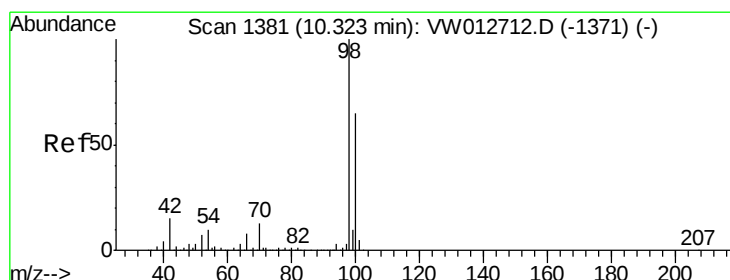
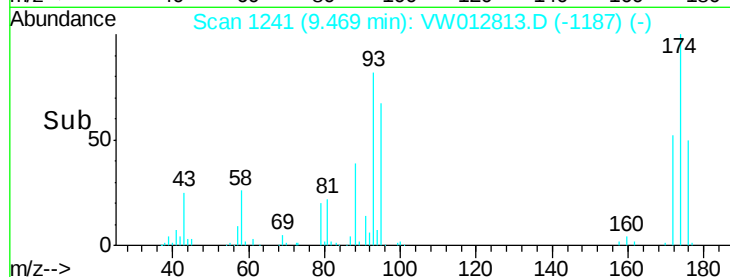
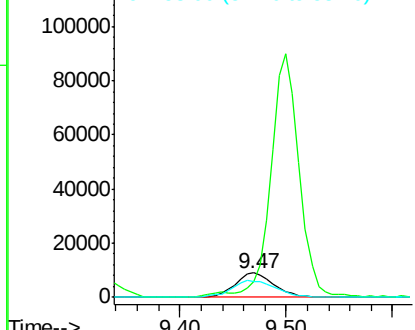


Abundance

Ion 88.00 (87.70 to 88.70): VW

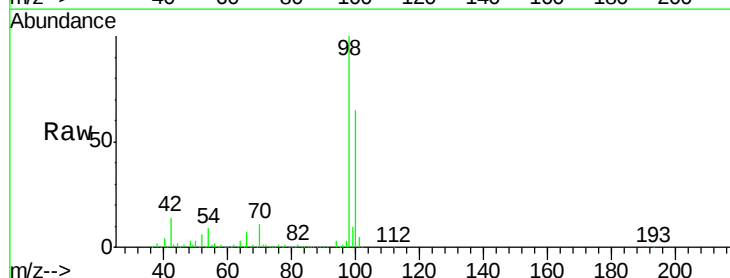
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 51.765 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

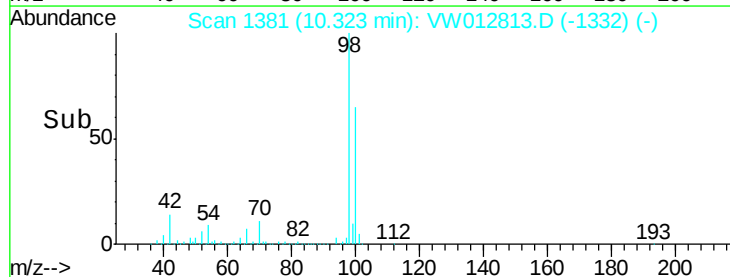
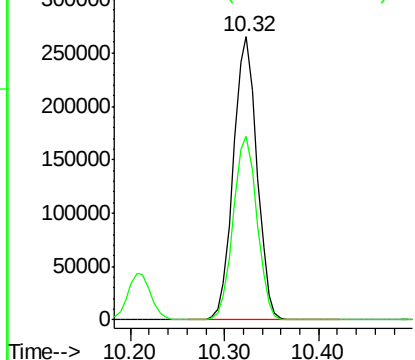
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	460680		
100	65.5	52.2	78.4	

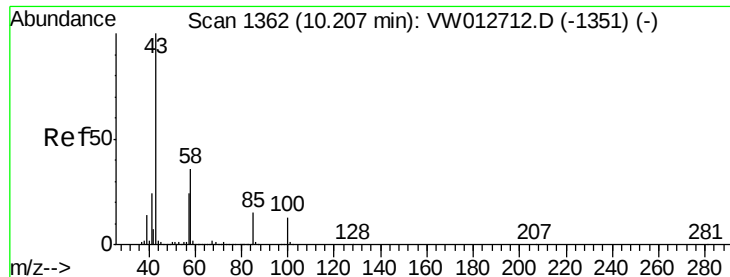


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





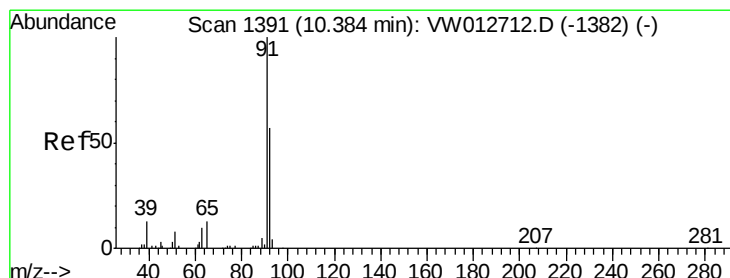
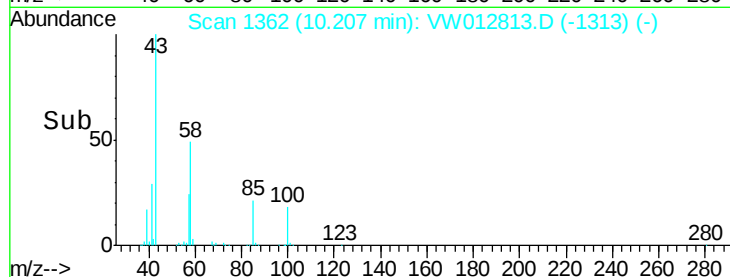
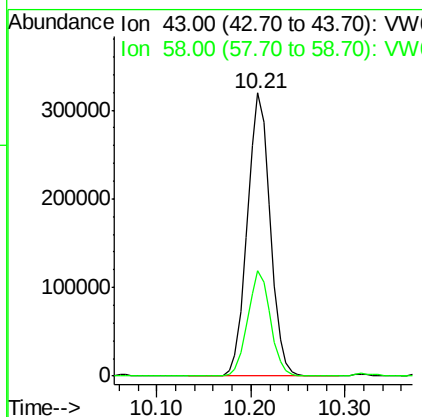
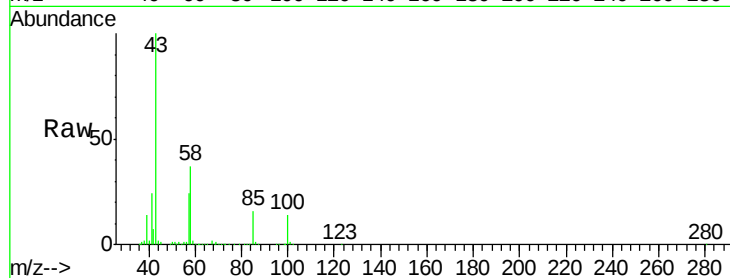
#51
4-Methyl-2-Pentanone
Concen: 253.230 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	28.4	42.6

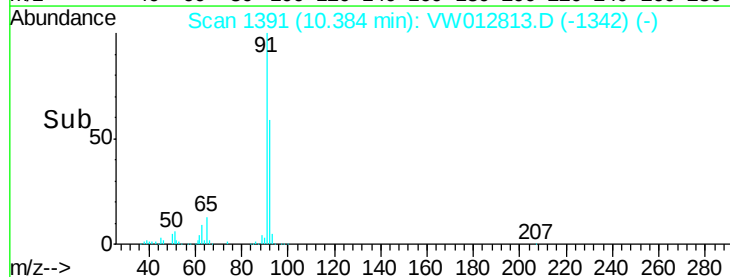
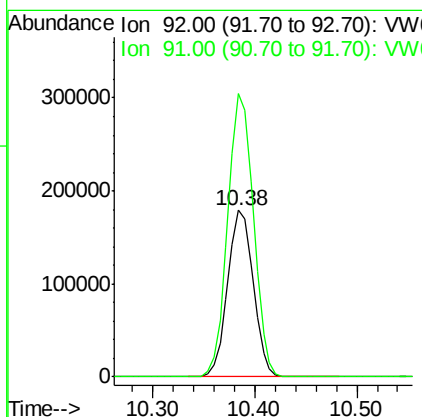
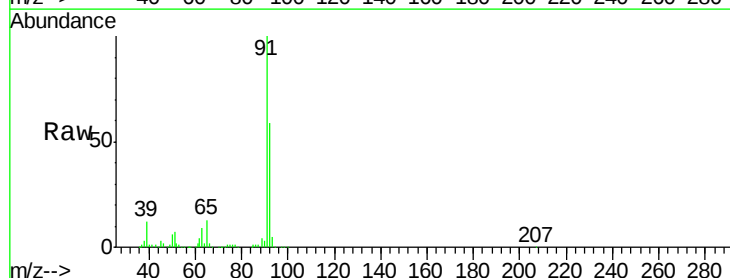
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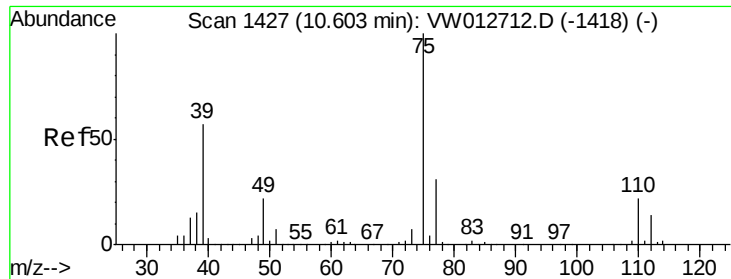
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#52
Toluene
Concen: 52.834 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.9	137.0	205.4





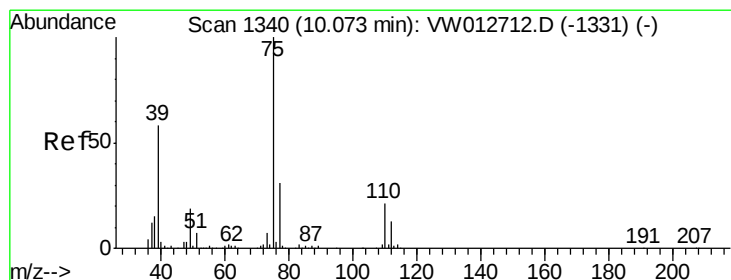
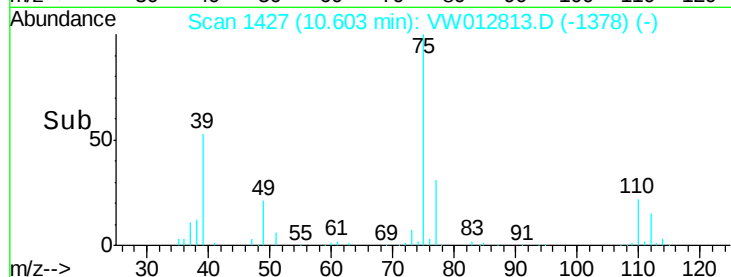
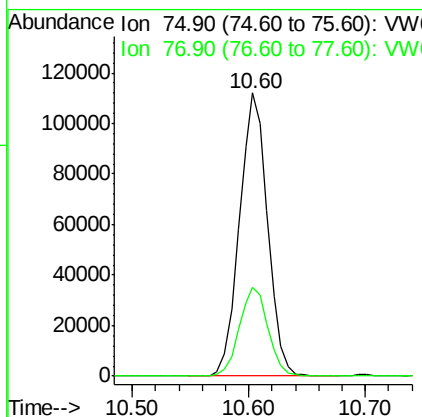
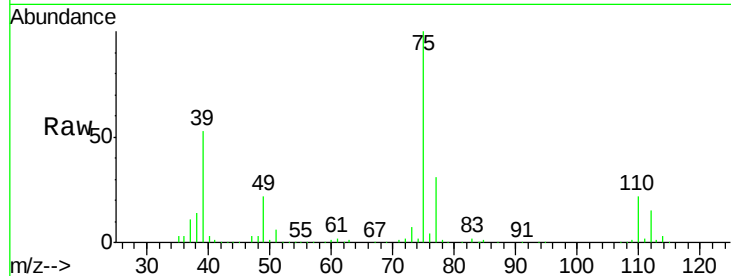
#53
t-1,3-Dichloropropene
Concen: 53.677 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1

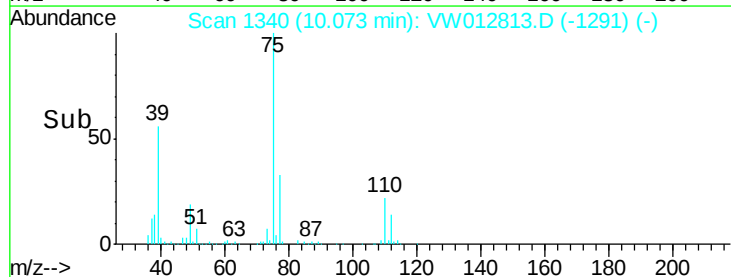
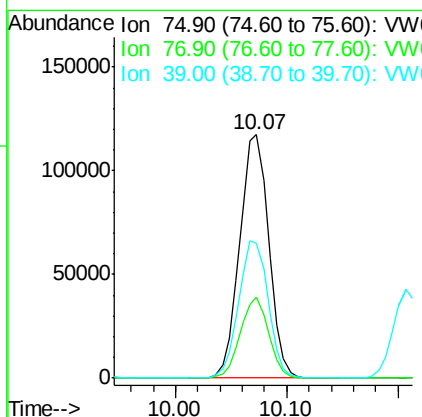
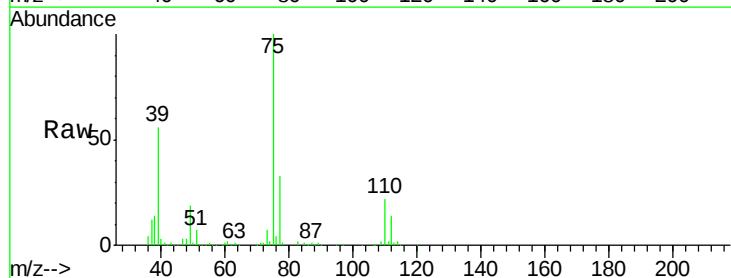
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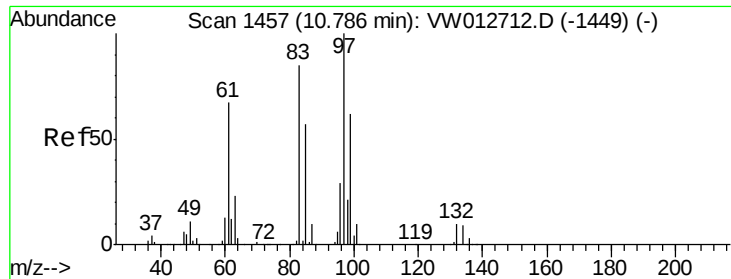
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#54
cis-1,3-Dichloropropene
Concen: 53.701 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	24.6	36.8
39	55.6	46.3	69.5





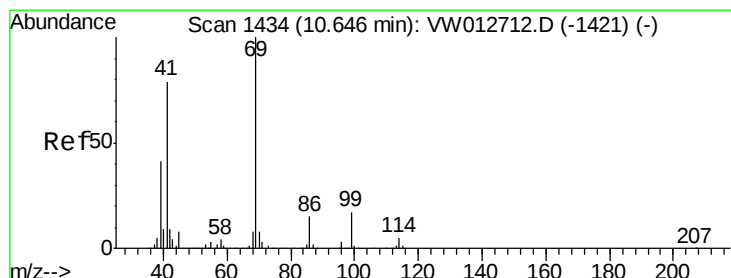
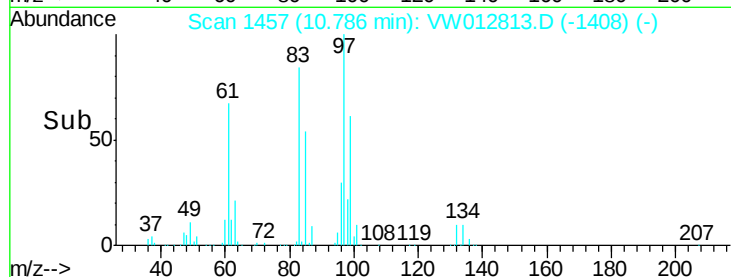
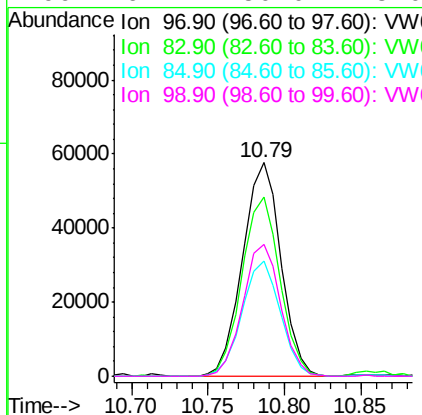
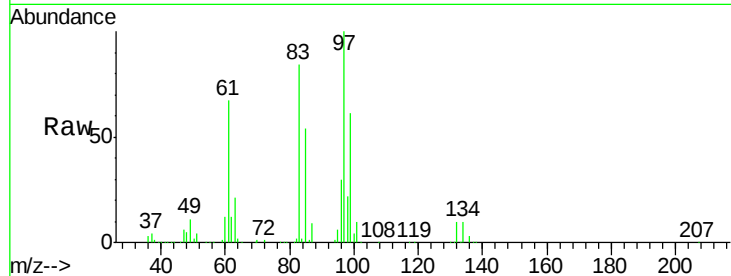
#55
 1,1,2-Trichloroethane
 Concen: 54.181 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	100347
Ion	Ratio	Lower	Upper
97	100		
83	83.6	68.1	102.1
85	54.0	45.3	67.9
99	61.4	50.0	75.0

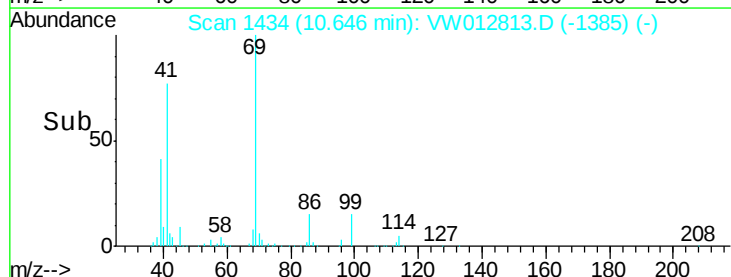
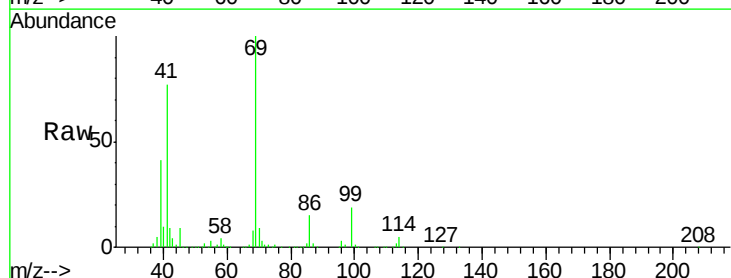
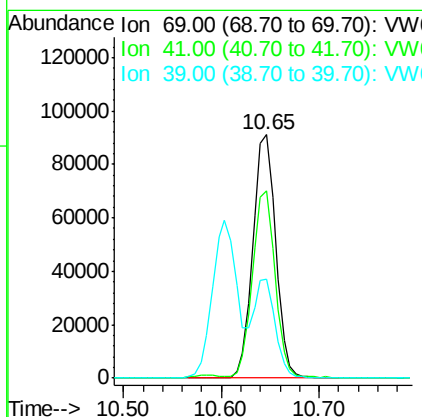
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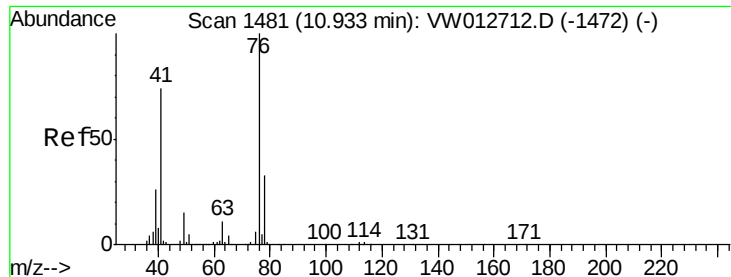
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#56
 Ethyl methacrylate
 Concen: 55.075 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion:	69	Resp:	149312
Ion	Ratio	Lower	Upper
69	100		
41	76.1	64.4	96.6
39	36.1	31.1	46.7





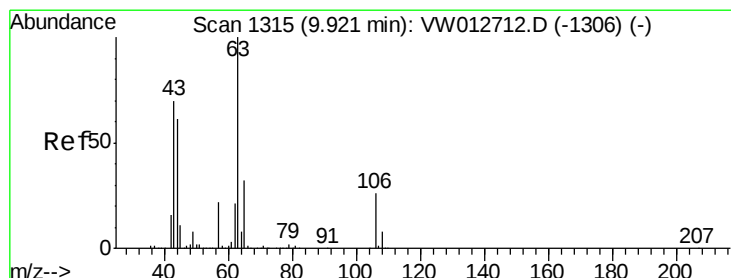
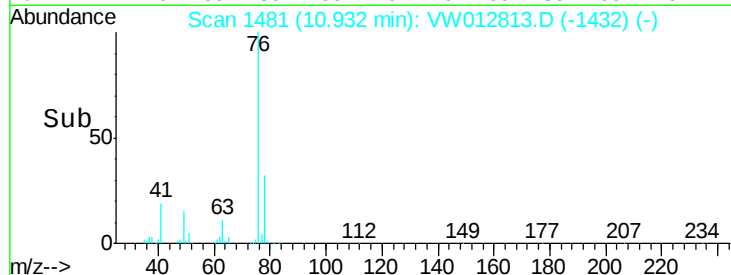
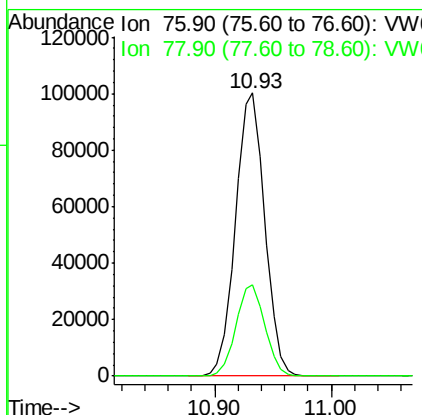
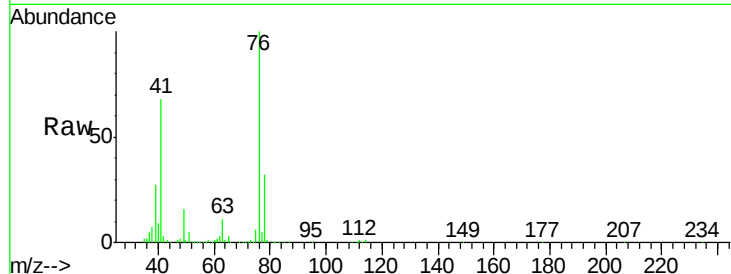
#57
 1,3-Dichloropropane
 Concen: 51.227 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 175519
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9

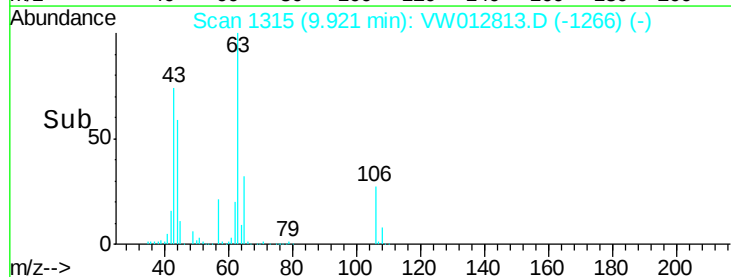
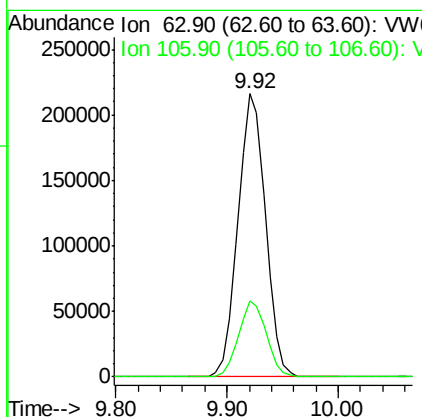
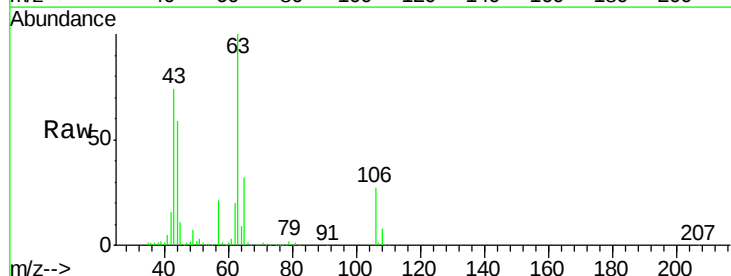
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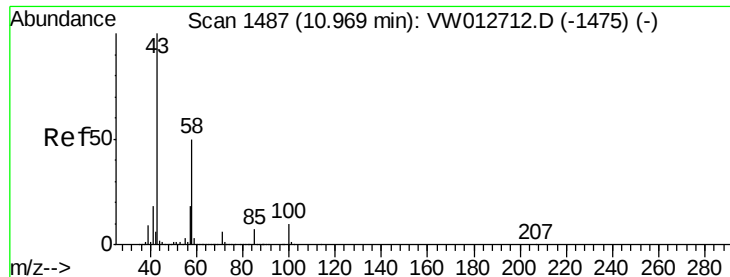
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#58
 2-Chloroethyl Vinyl ether
 Concen: 257.527 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion: 63 Resp: 370644
 Ion Ratio Lower Upper
 63 100
 106 26.9 20.5 30.7





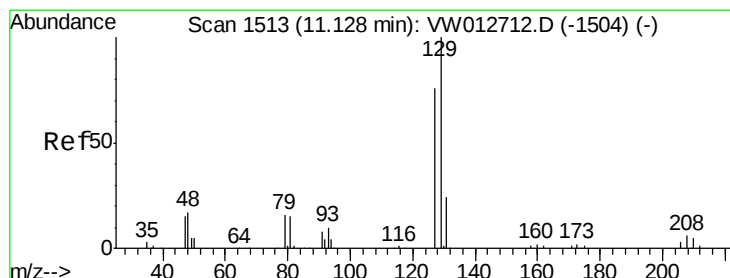
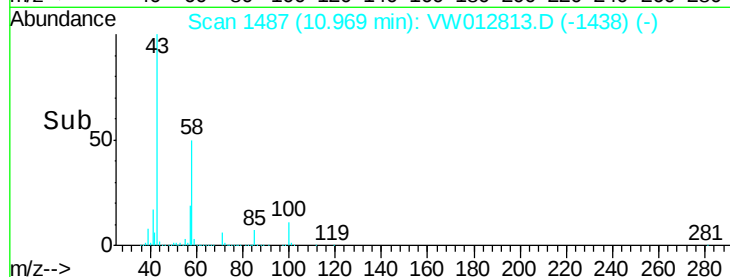
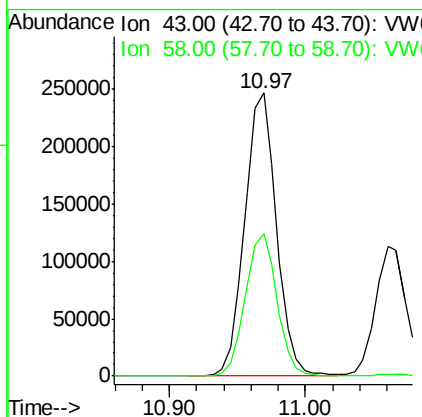
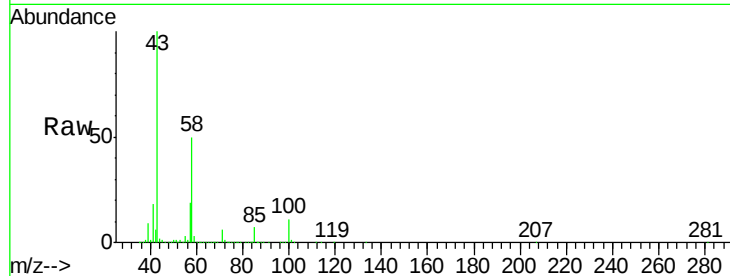
#59
2-Hexanone
Concen: 256.365 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	402955
Ion Ratio	100	Lower	Upper
43	100		
58	50.3	24.7	74.1

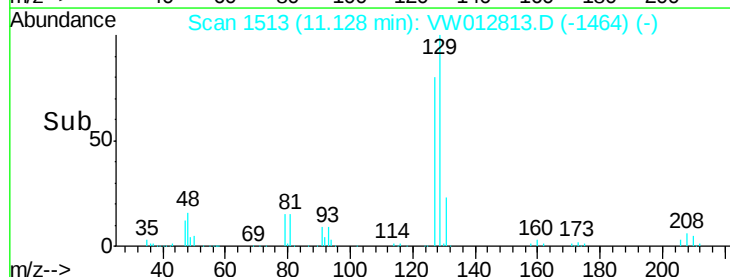
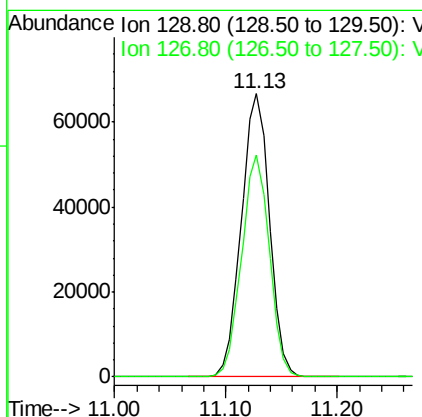
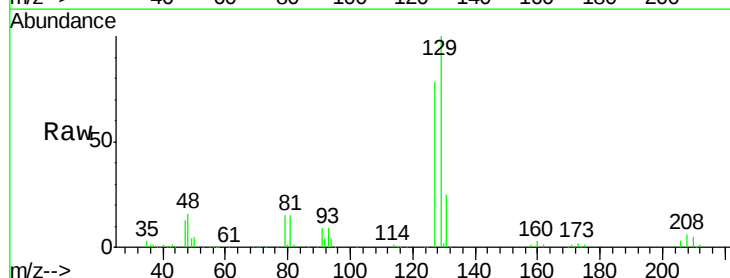
Manual Integrations
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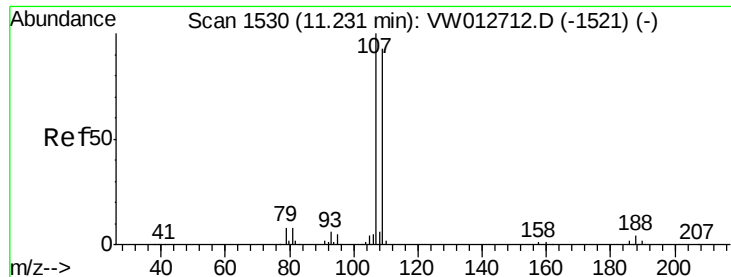
MMDadoda
9/11/2019 8:15:38 AM



#60
Dibromochloromethane
Concen: 53.655 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	129	Resp	116870
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.6	115.8





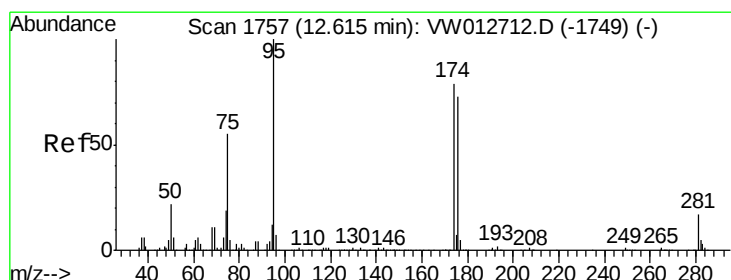
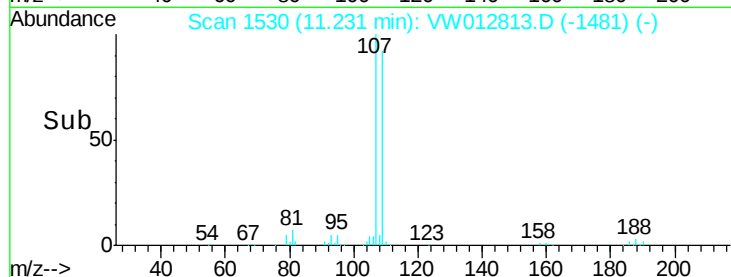
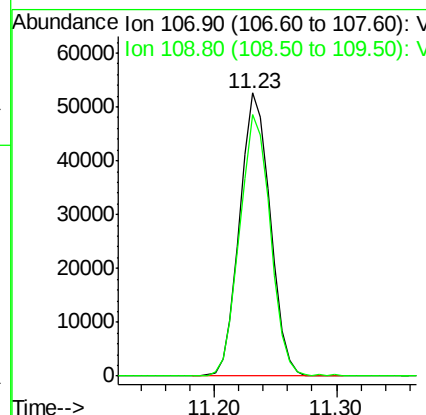
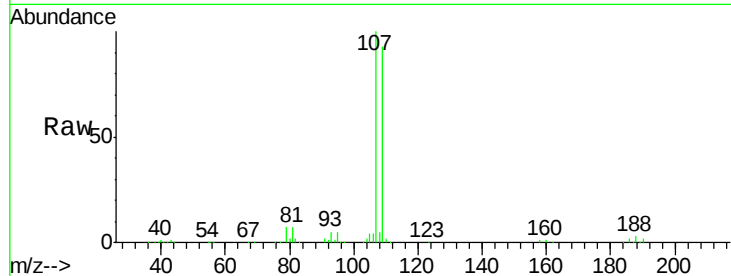
#61
 1,2-Dibromoethane
 Concen: 53.644 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.6

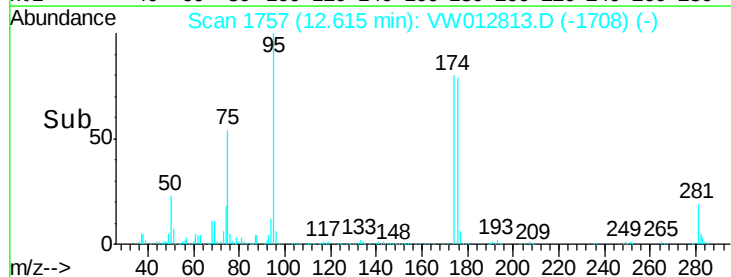
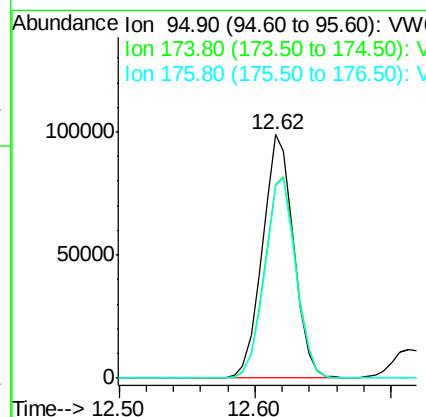
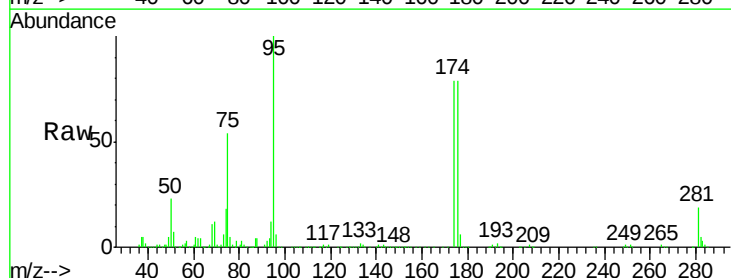
Manual Integrations
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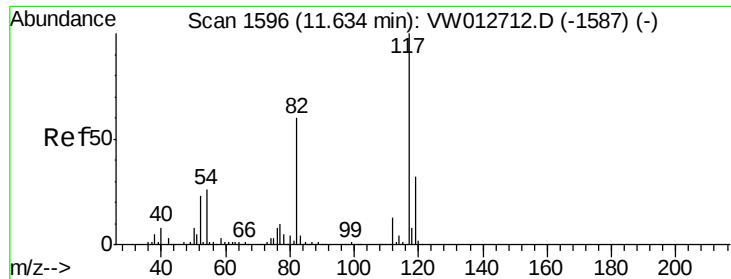
MMDadoda
 9/11/2019 8:15:38 AM



#62
 4-Bromofluorobenzene
 Concen: 49.029 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	161.0
176	81.7	0.0	156.4





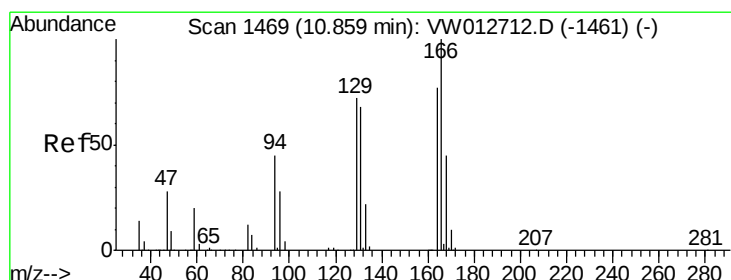
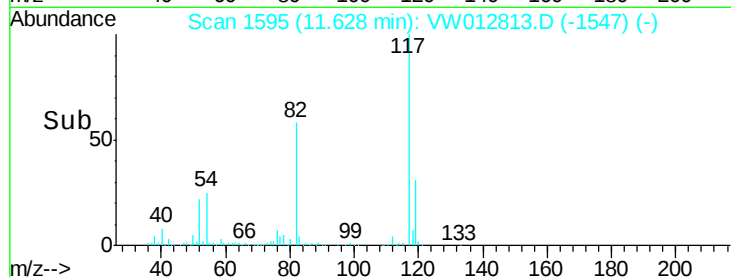
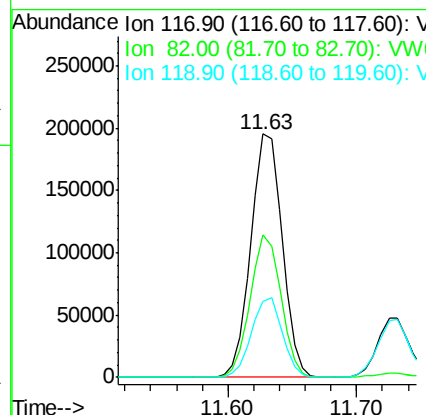
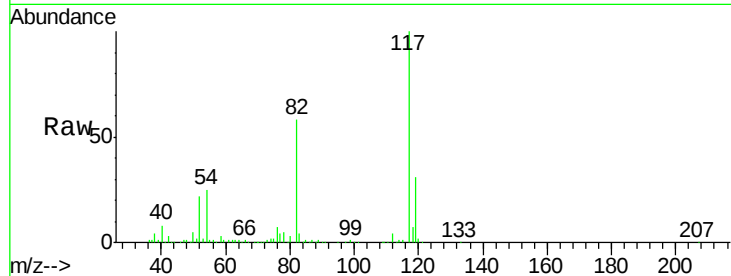
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	328597		
82	58.4	48.2	72.4	
119	31.2	25.8	38.6	

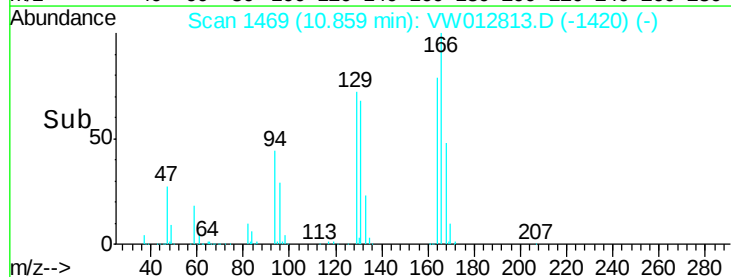
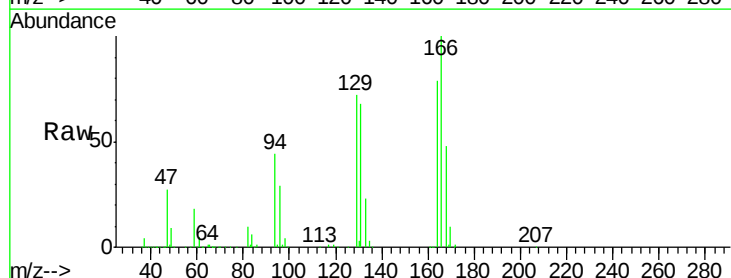
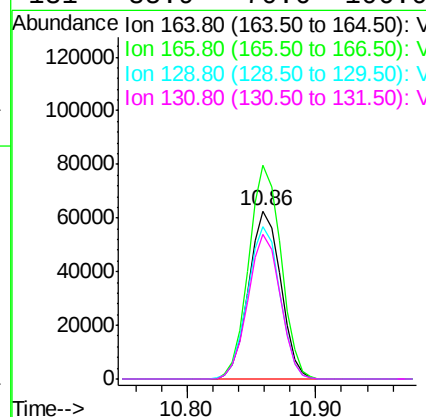
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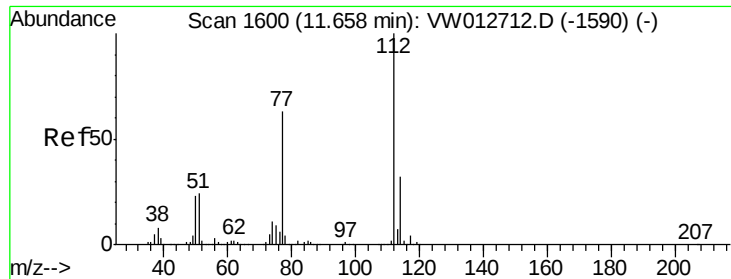
MMDadoda
9/11/2019 8:15:38 AM



#64
Tetrachloroethene
Concen: 53.907 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107482		
166	126.9	103.6	155.4	
129	90.9	74.6	112.0	
131	85.9	70.6	106.0	





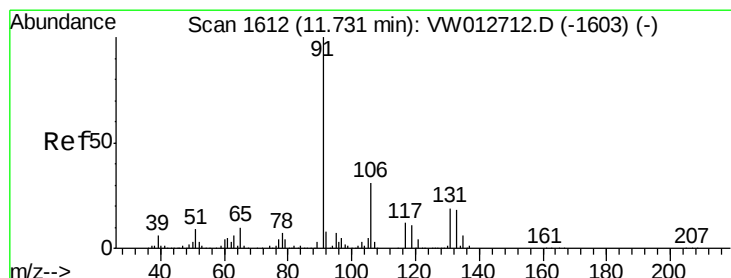
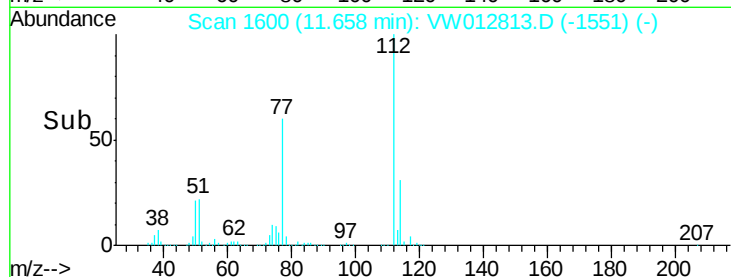
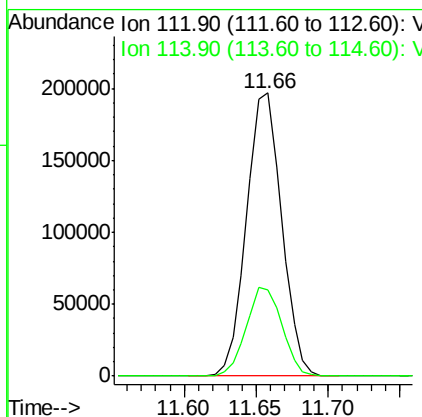
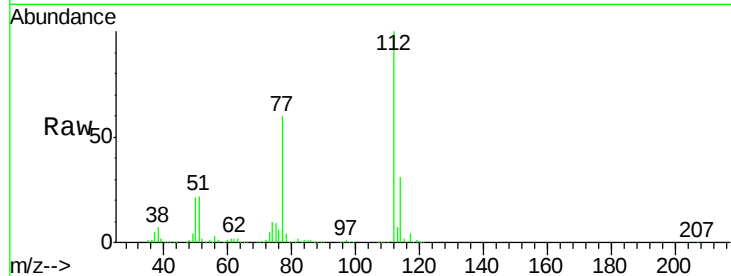
#65
Chlorobenzene
Concen: 53.493 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.3	37.9

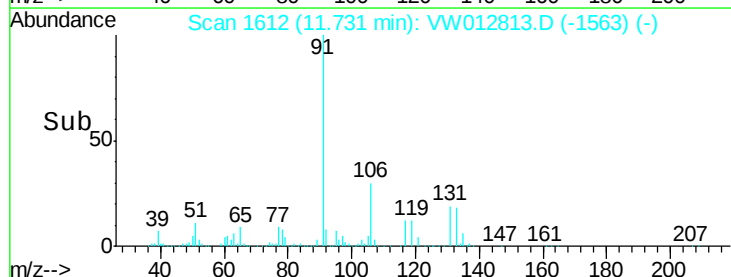
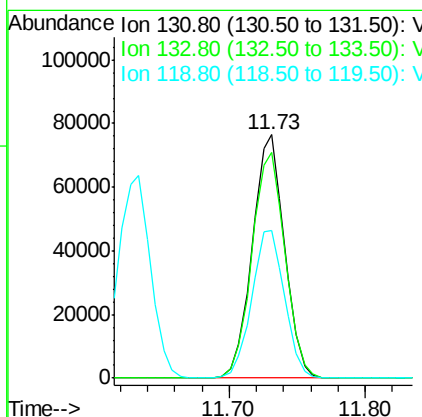
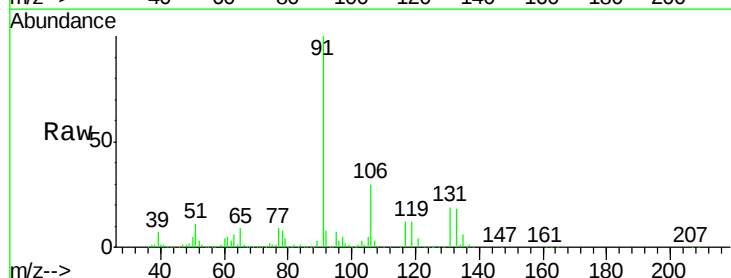
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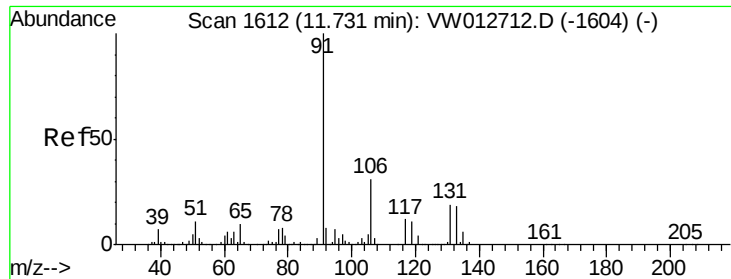
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.807 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.6	142.8
119	62.1	30.6	92.0





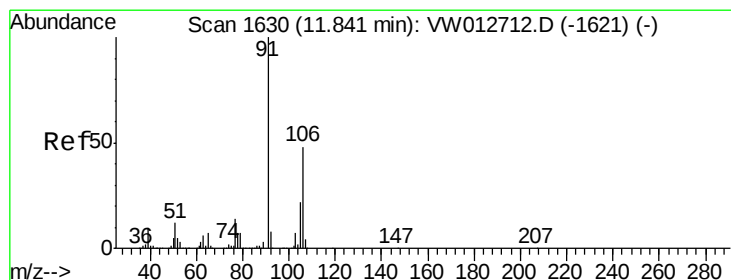
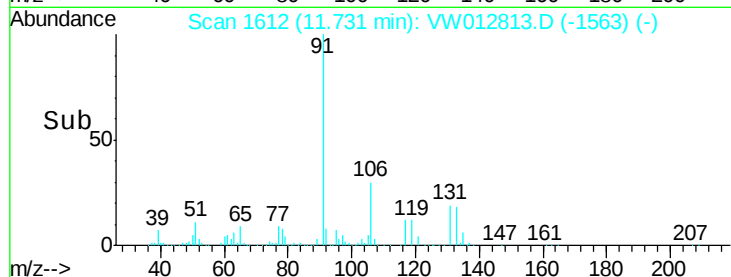
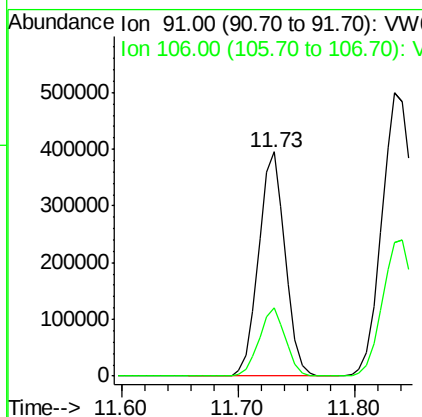
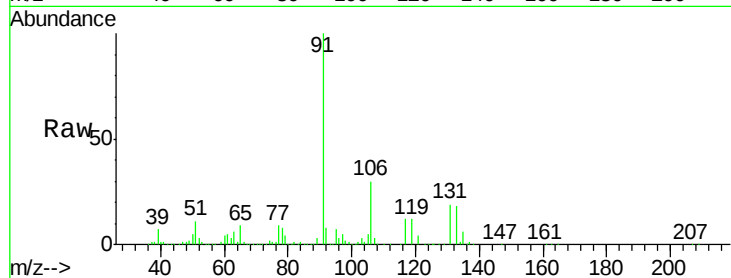
#67
Ethyl Benzene
Concen: 53.751 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 626330
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

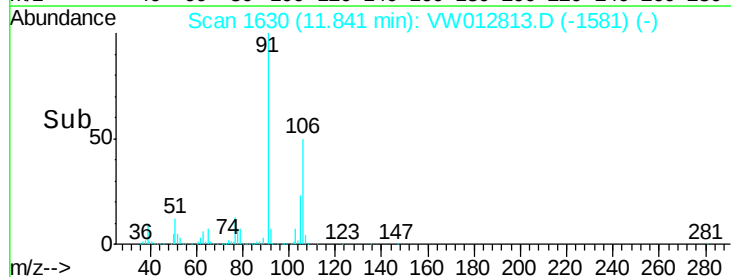
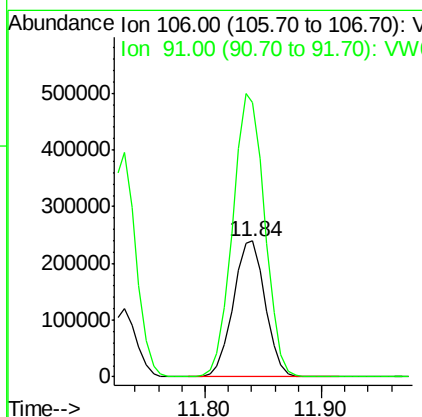
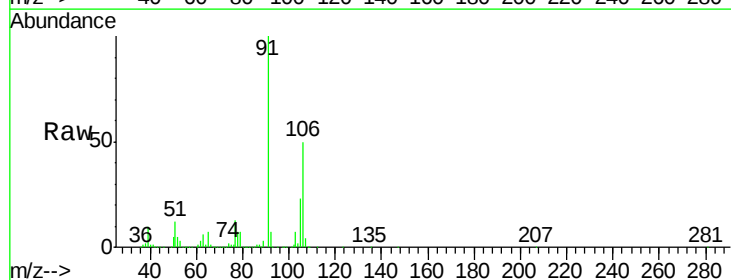
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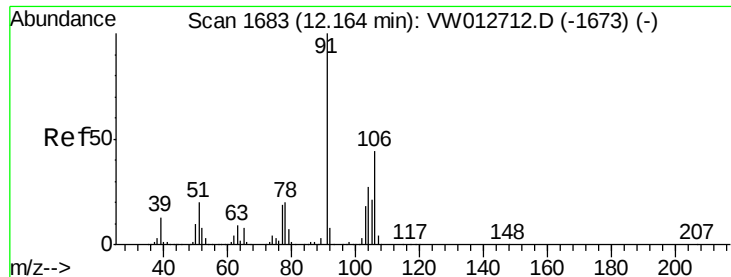
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#68
m/p-Xylenes
Concen: 108.539 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion: 106 Resp: 456521
Ion Ratio Lower Upper
106 100
91 208.2 168.2 252.4





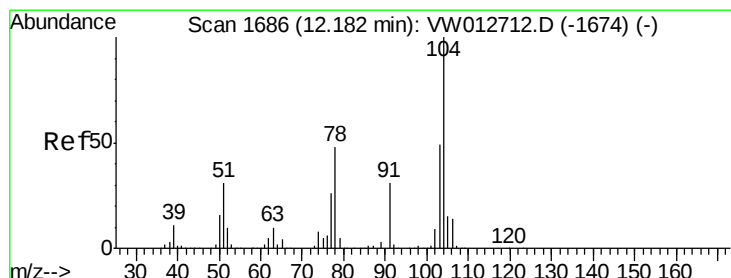
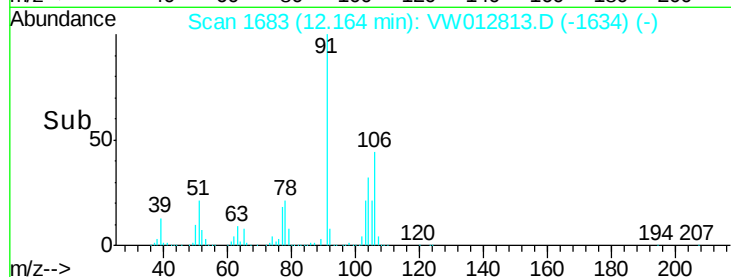
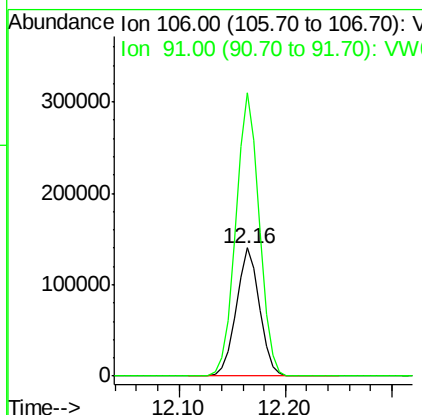
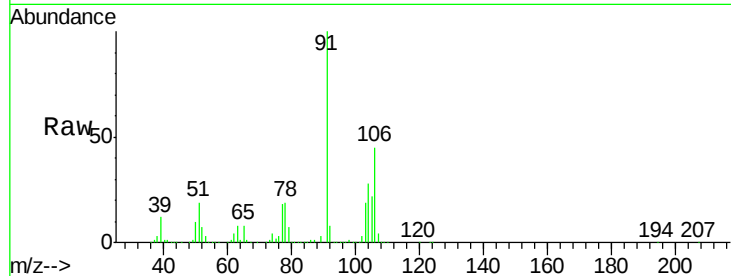
#69
o-Xylene
Concen: 54.318 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	215537		
91	91	221.9	112.3	336.8	

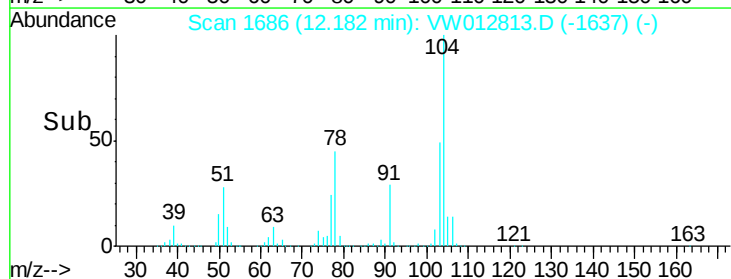
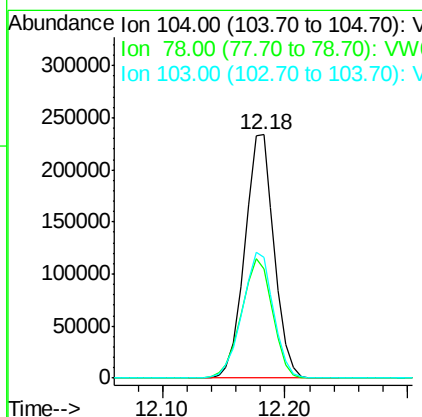
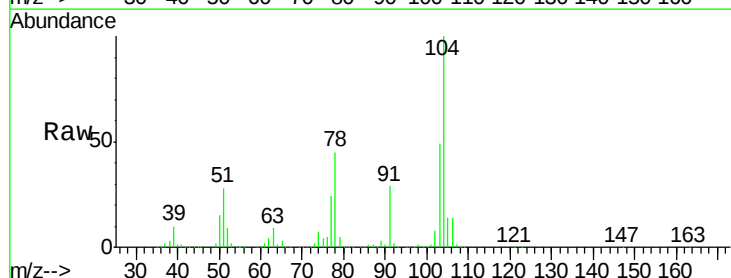
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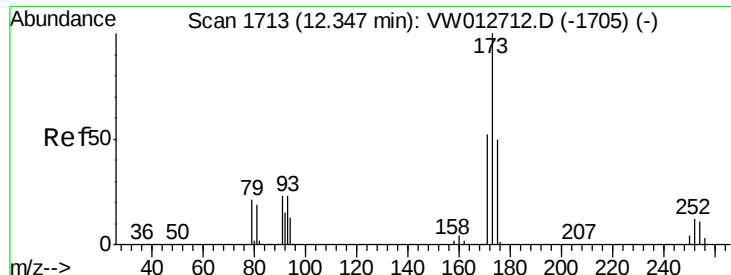
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#70
Styrene
Concen: 55.379 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	388313		
78	78	52.2	43.3	64.9	
103	103	54.7	44.0	66.0	





#71

Bromoform

Concen: 55.070 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 70764

Ion Ratio Lower Upper

173 100

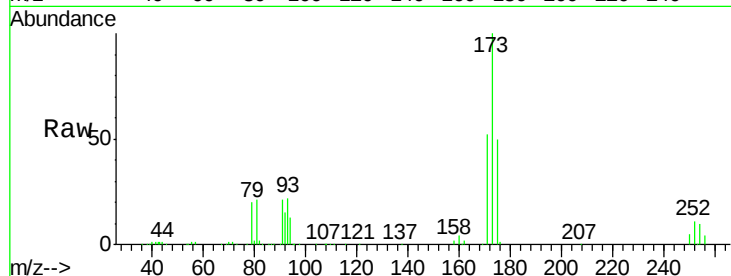
175 49.9 24.8 74.3

254 0.1 0.1 0.1

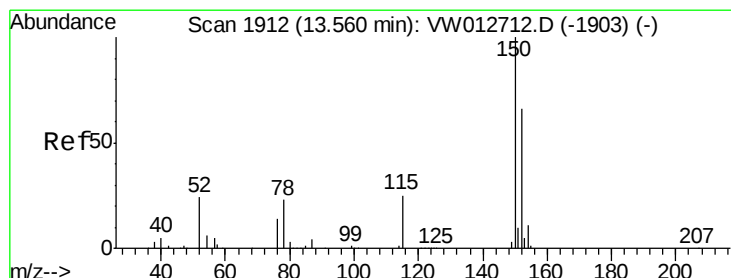
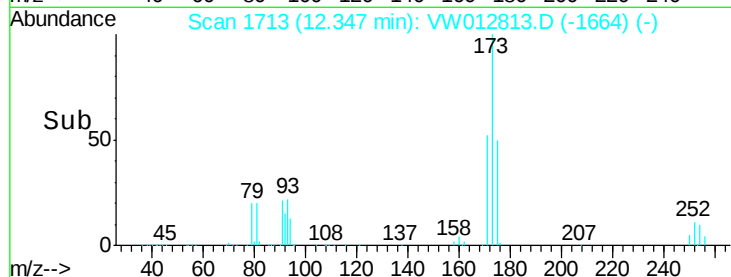
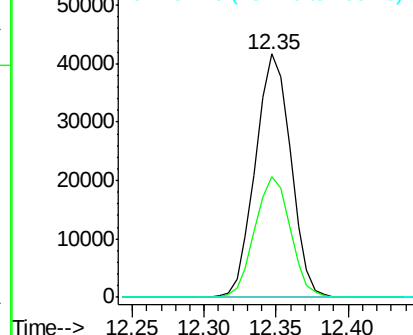
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

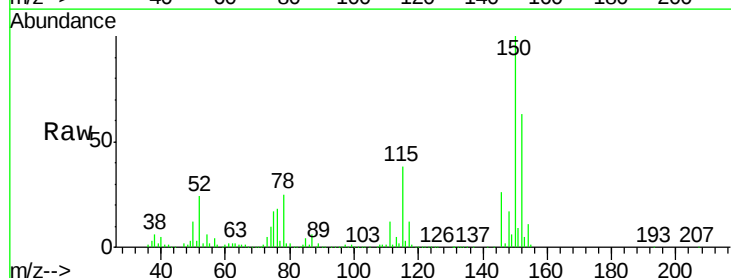
Tgt Ion:152 Resp: 160171

Ion Ratio Lower Upper

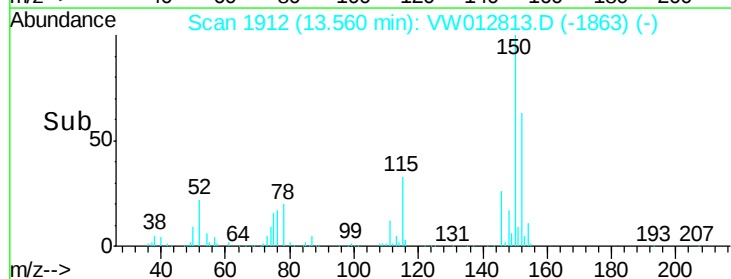
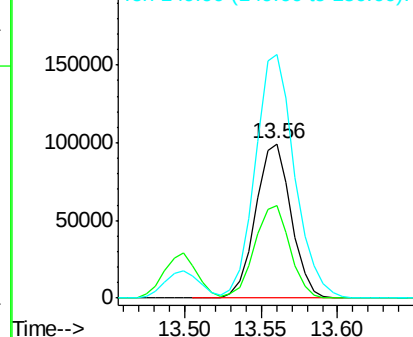
152 100

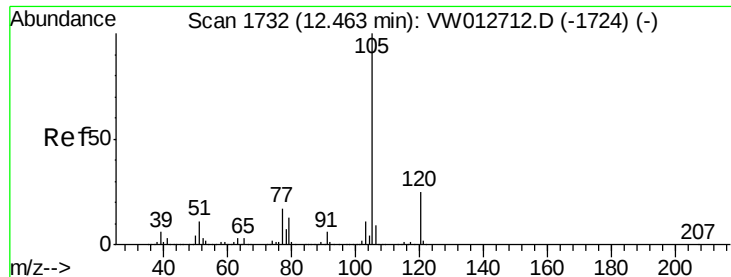
115 59.6 30.0 90.1

150 175.2 0.0 349.0



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





#73

Isopropylbenzene

Concen: 54.233 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 623027

Ion Ratio Lower Upper

105 100

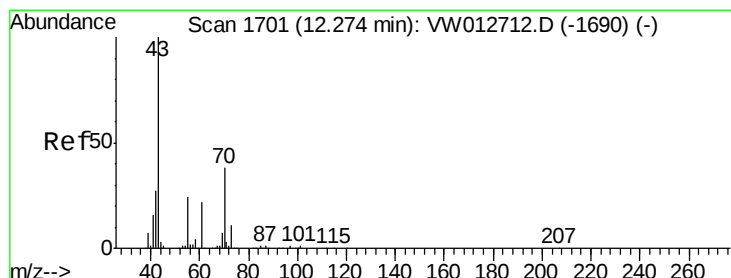
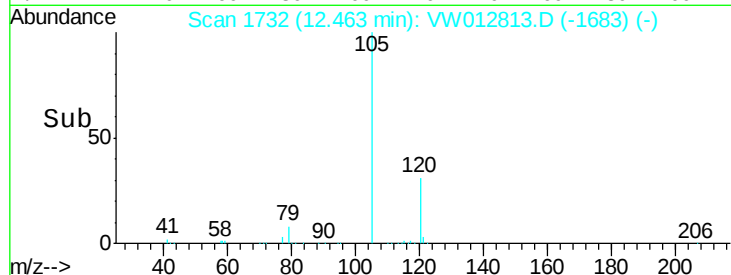
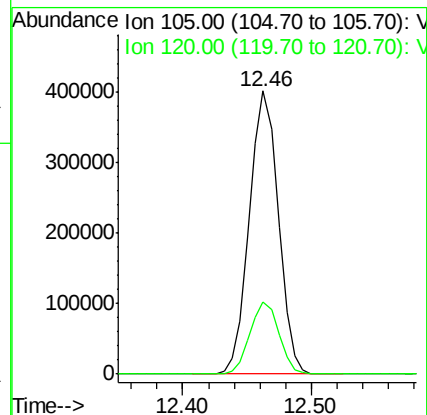
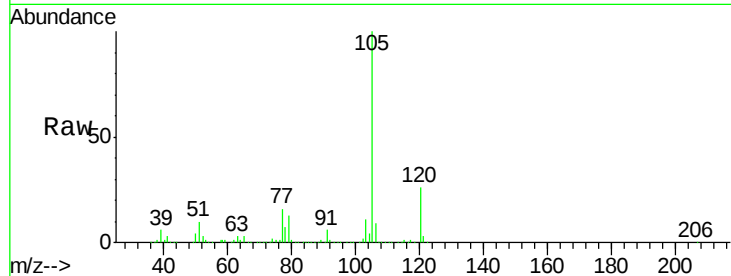
120 25.6 13.0 38.9

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#74

N-ethyl acetate

Concen: 52.877 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion: 43 Resp: 192813

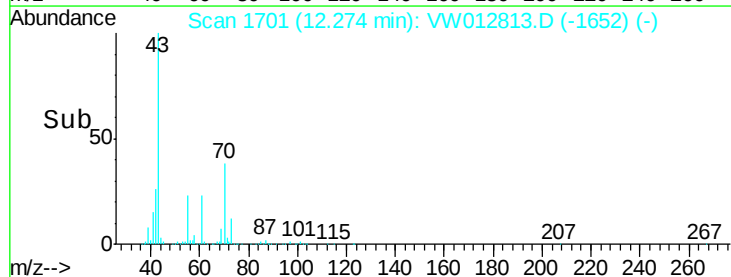
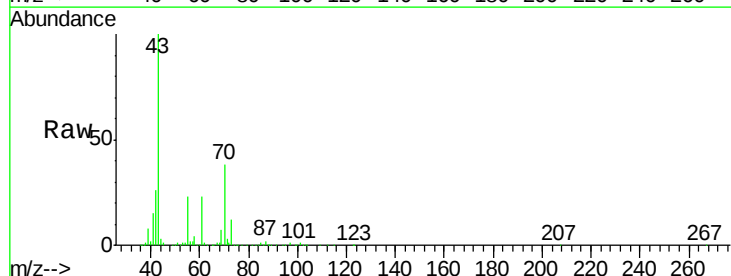
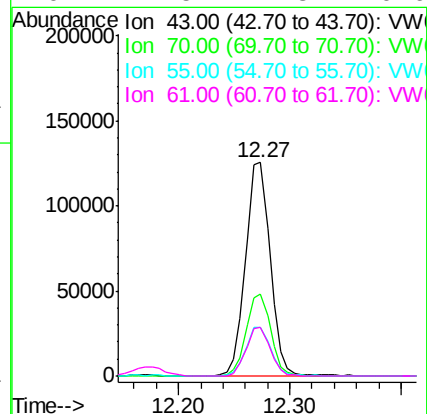
Ion Ratio Lower Upper

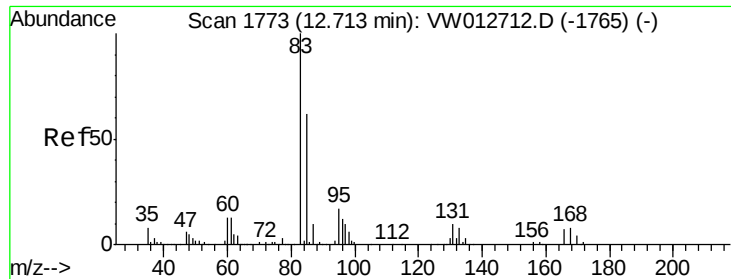
43 100

70 38.1 29.4 44.0

55 23.3 18.6 27.8

61 22.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.932 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

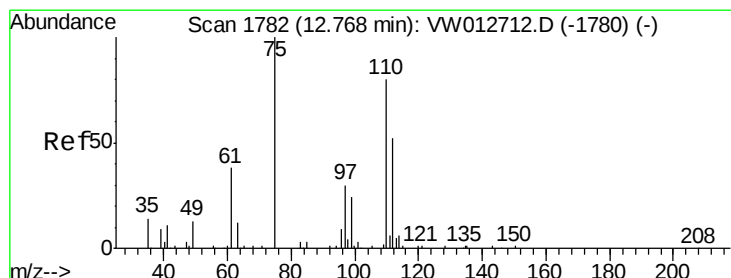
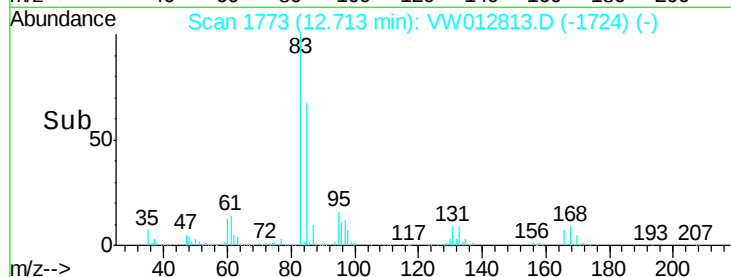
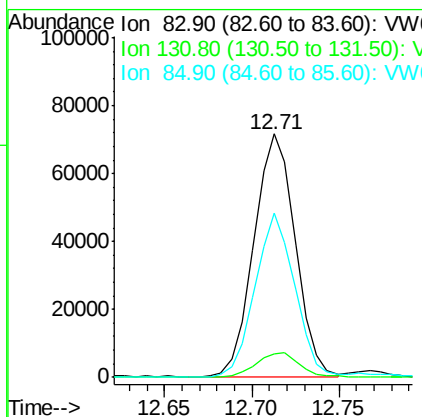
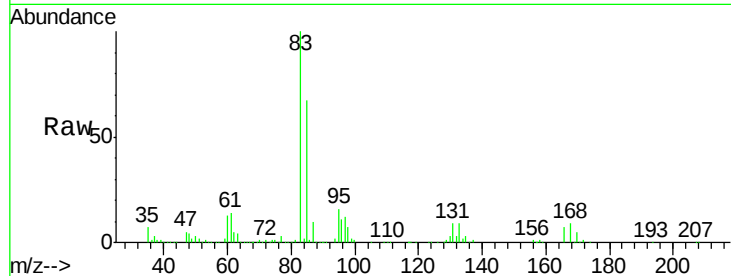
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	117505
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.1	15.4
85	65.3	31.4	94.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.895 ug/l m

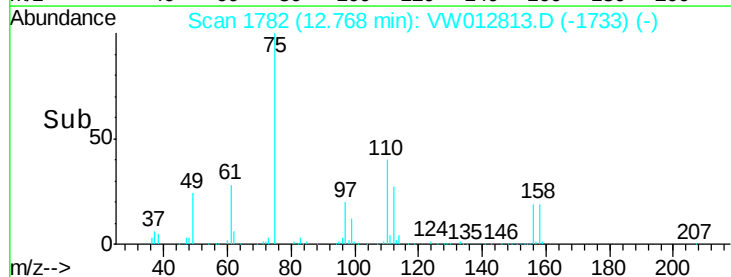
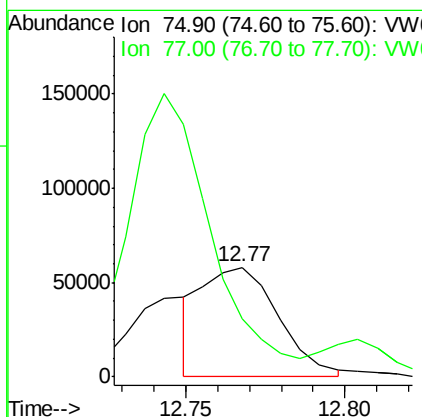
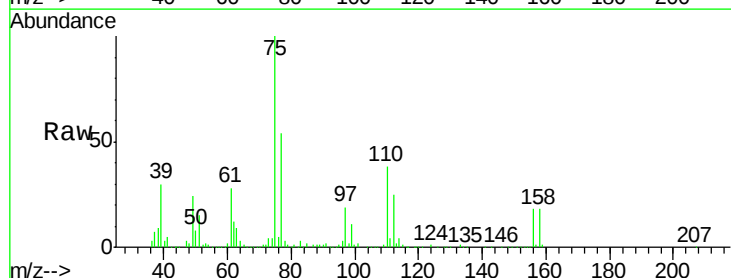
RT: 12.77 min Scan# 1782

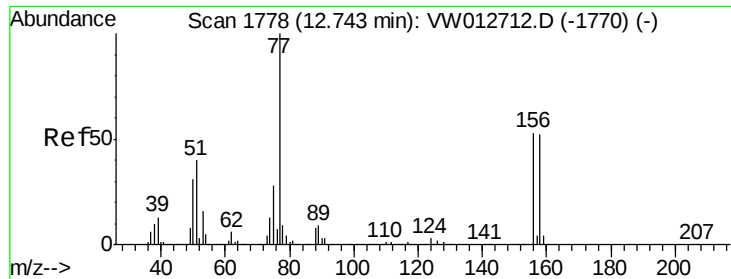
Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion:	75	Resp:	96460
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.718 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

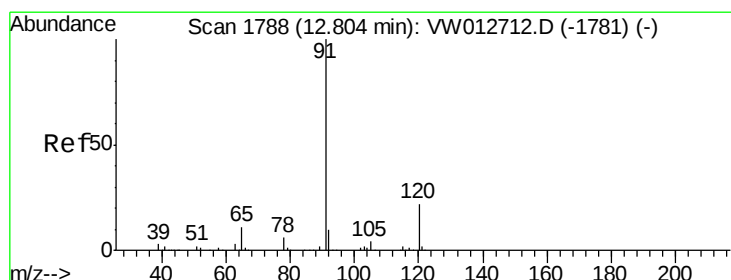
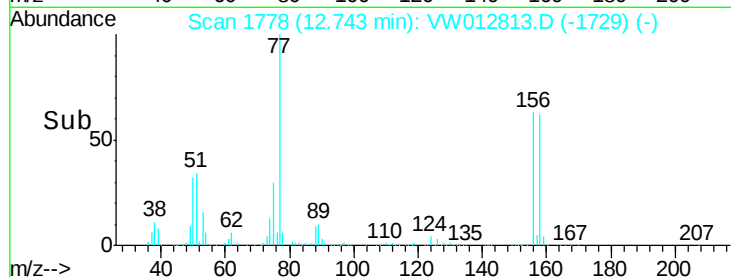
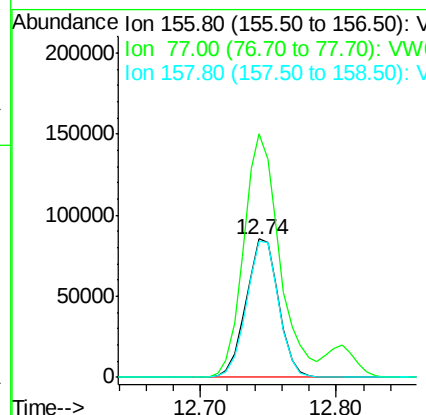
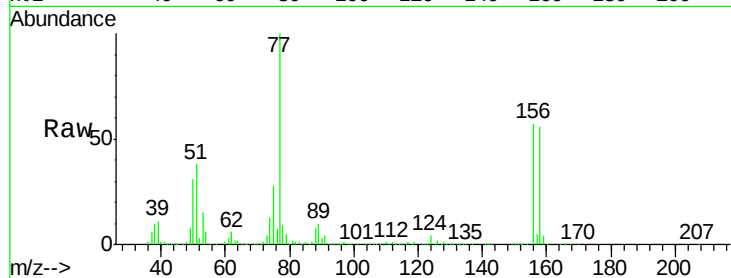
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	142414
Ion Ratio	Lower	Upper	
156	100		
77	193.4	102.3	306.9
158	97.3	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 53.652 ug/l

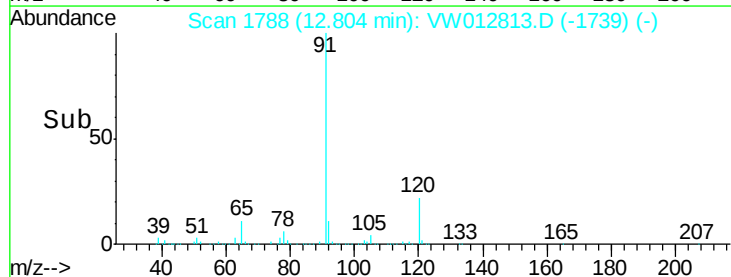
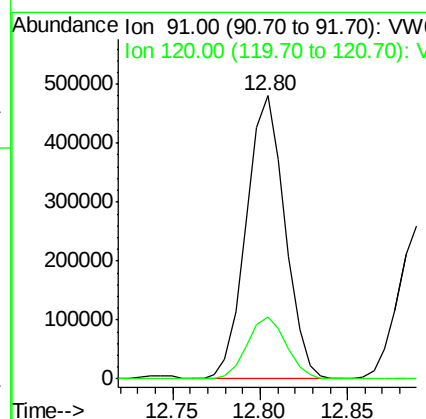
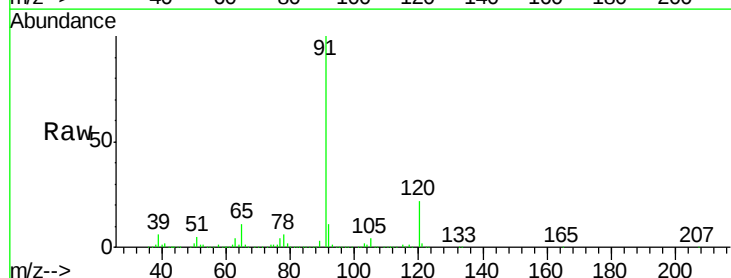
RT: 12.80 min Scan# 1788

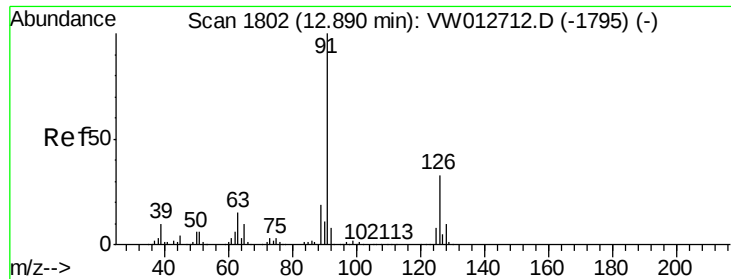
Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion:	91	Resp:	737151
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.0	33.0





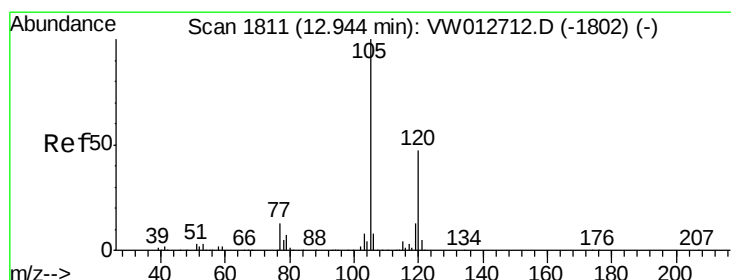
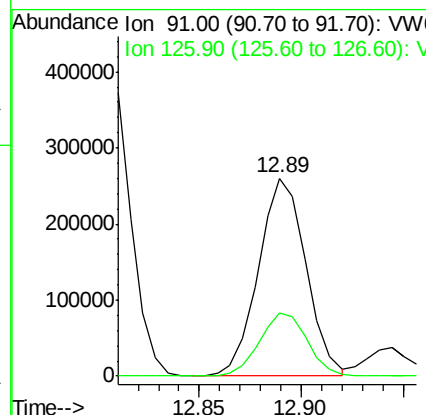
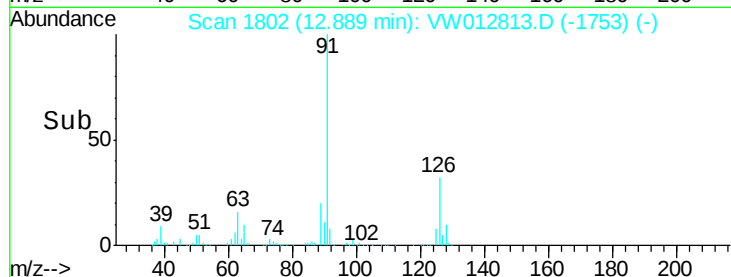
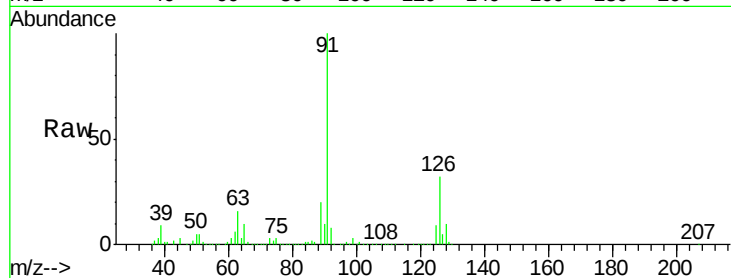
#79
2-Chlorotoluene
Concen: 53.307 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 420455
Ion Ratio Lower Upper
91 100
126 32.4 16.1 48.3

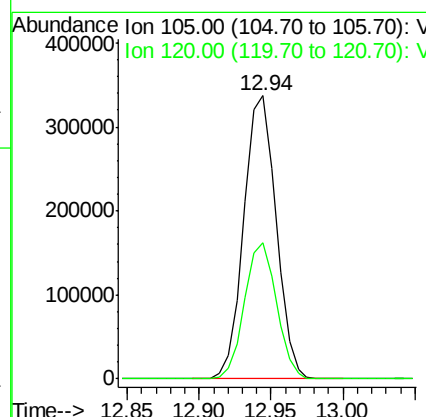
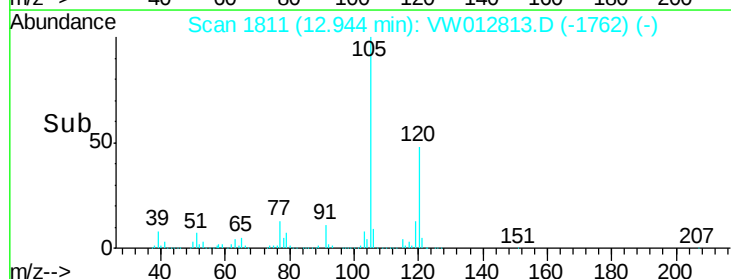
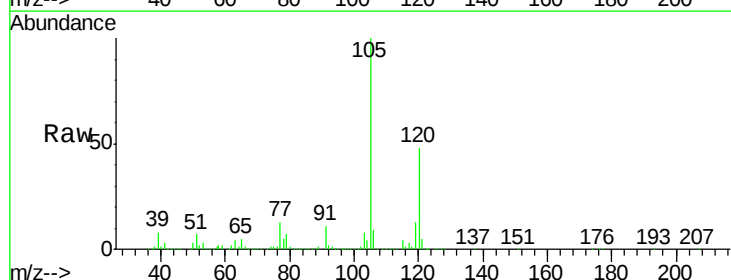
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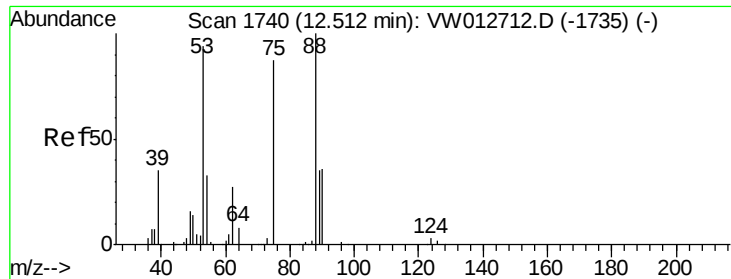
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#80
1,3,5-Trimethylbenzene
Concen: 54.264 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion:105 Resp: 525290
Ion Ratio Lower Upper
105 100
120 47.6 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.443 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

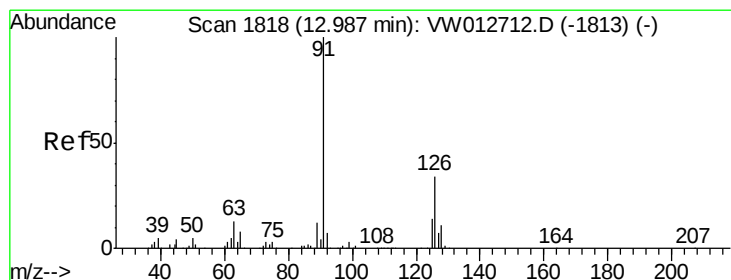
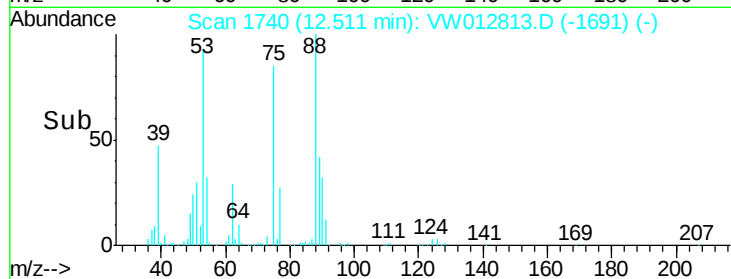
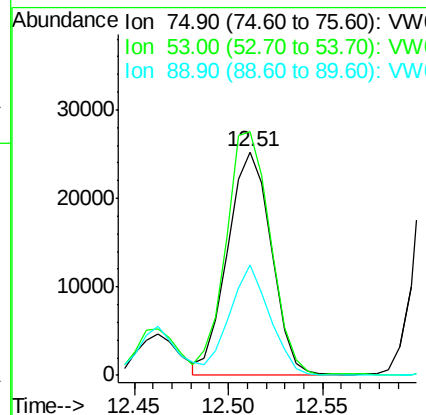
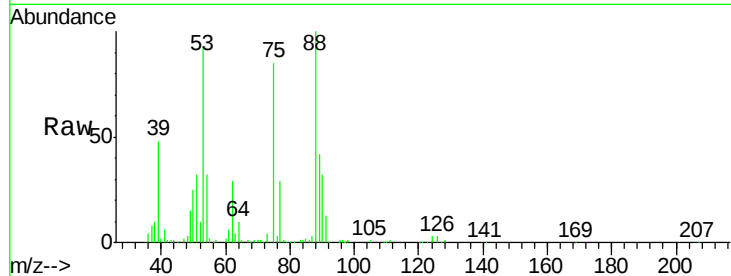
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	40610
Ion	Ratio	Lower	Upper
75	100		
53	109.9	87.6	131.4
89	45.1	35.5	53.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.970 ug/l

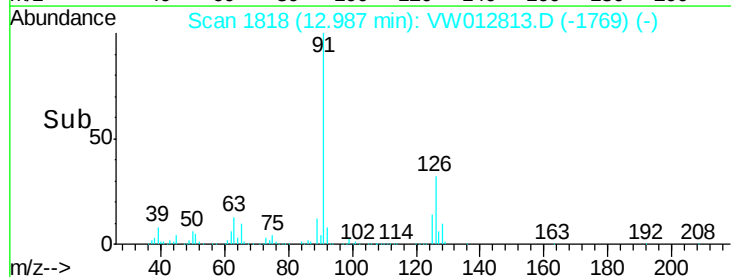
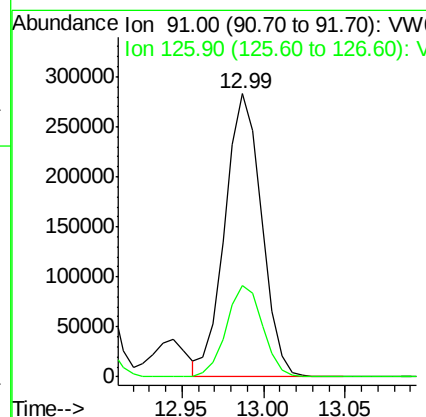
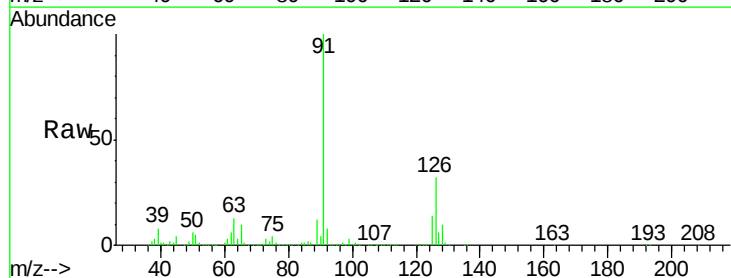
RT: 12.99 min Scan# 1818

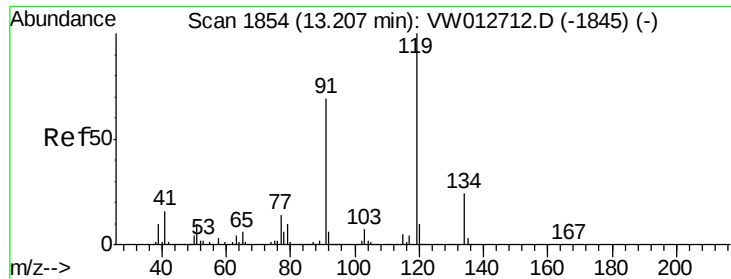
Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Tgt Ion:	91	Resp:	441936
Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.9	47.6





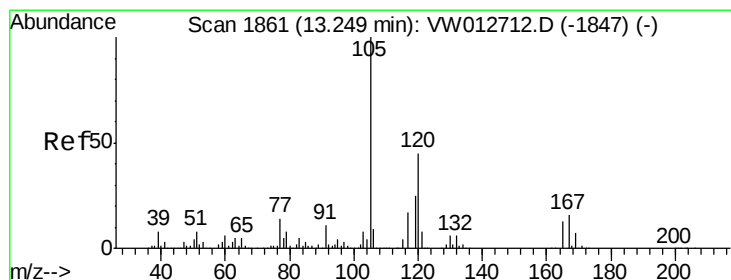
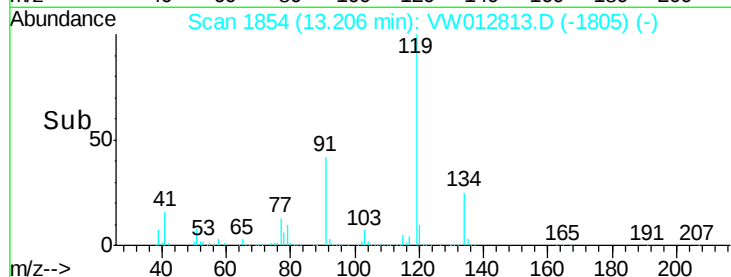
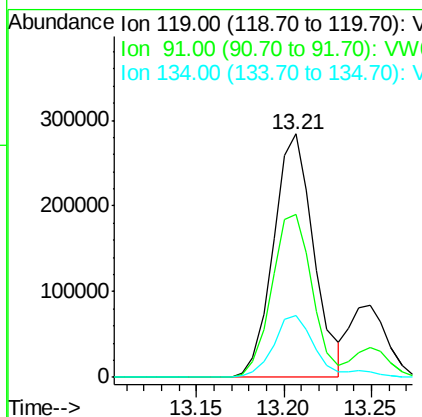
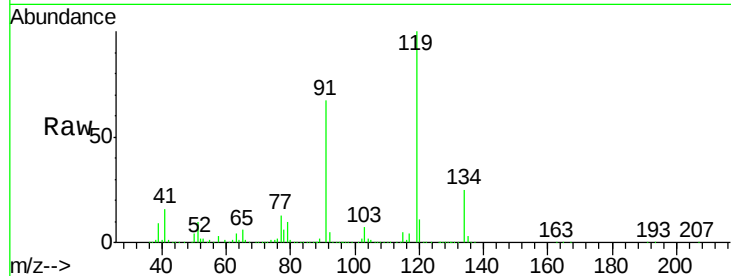
#83
 tert-Butylbenzene
 Concen: 53.326 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	34.2	102.5
134	27.1	12.3	36.9

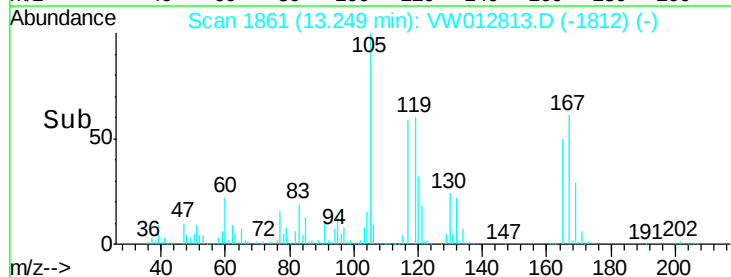
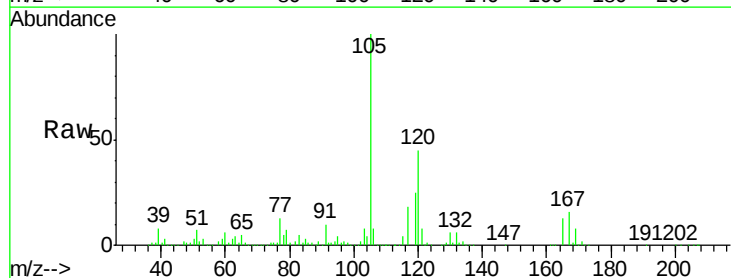
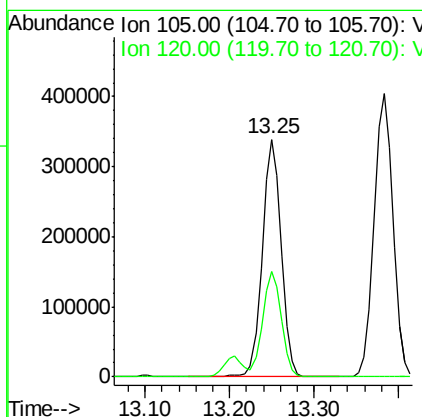
Manual Integrations
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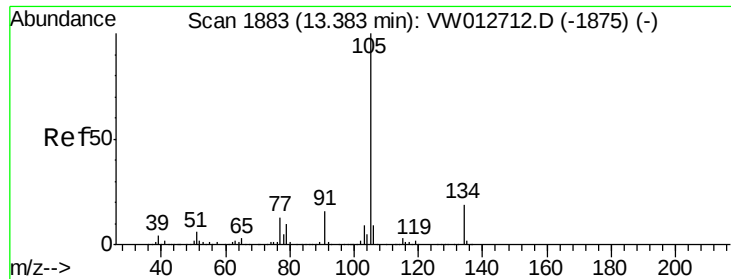
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.593 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.3





#85

sec-Butylbenzene

Concen: 53.163 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 631426

Ion Ratio Lower Upper

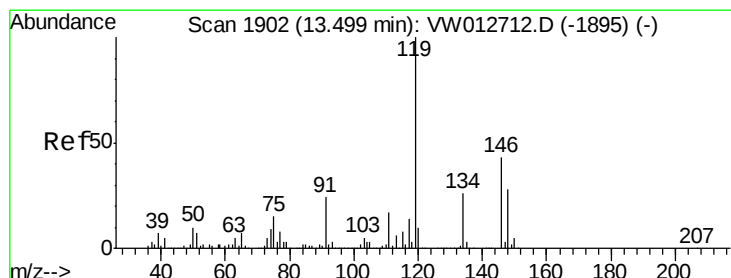
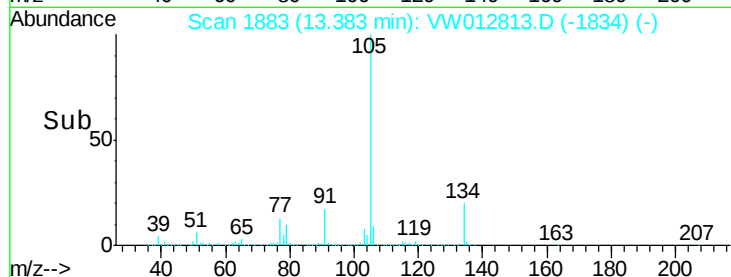
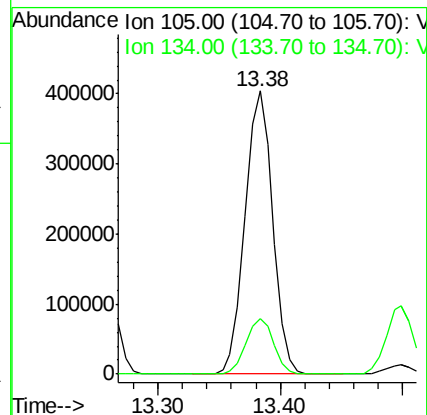
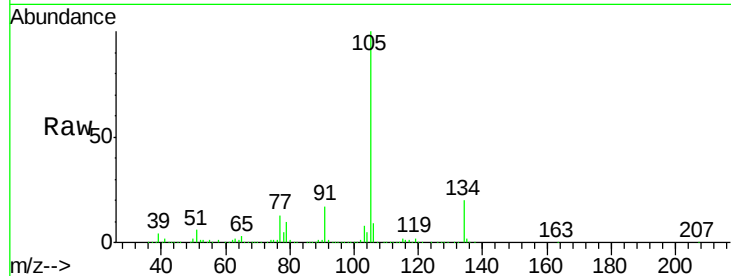
105 100

134 19.8 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.707 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012813.D

Acq: 09 Sep 2019 11:28

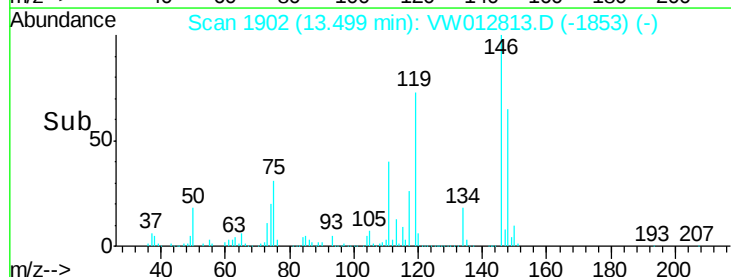
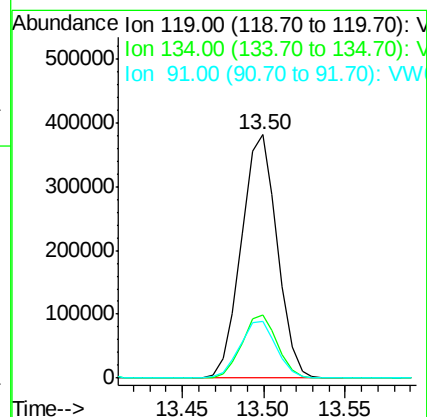
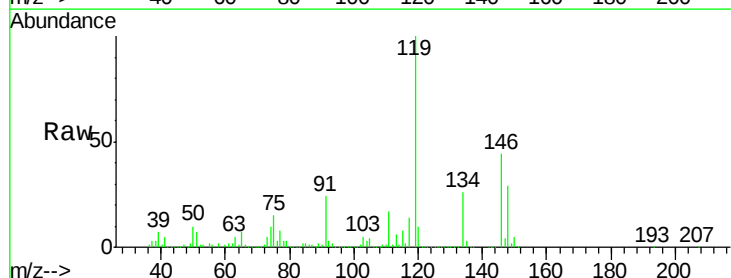
Tgt Ion:119 Resp: 582653

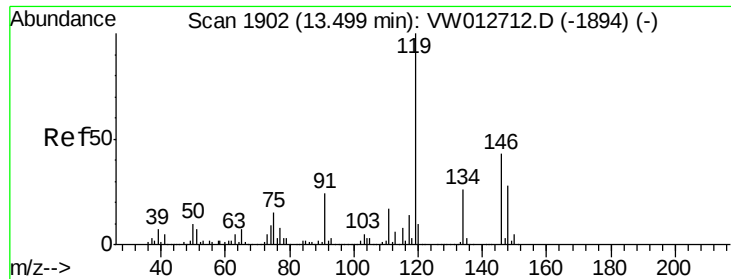
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 23.6 12.2 36.6





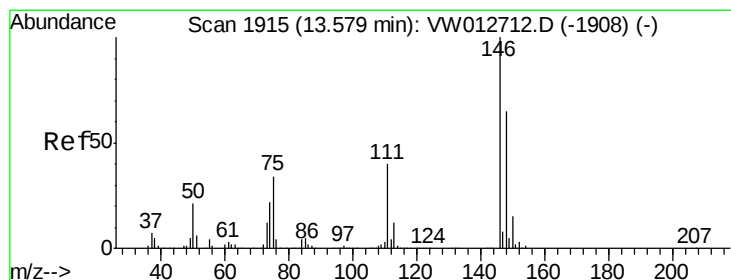
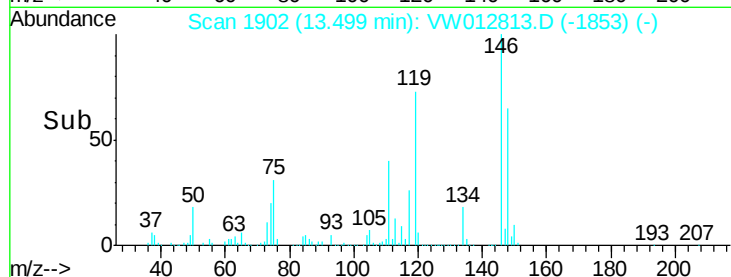
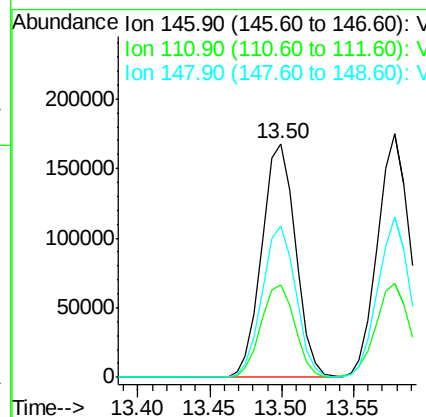
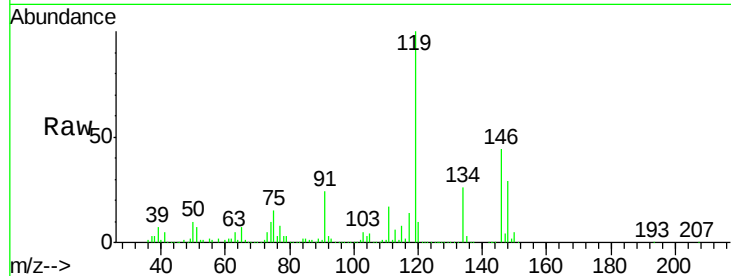
#87
 1,3-Dichlorobenzene
 Concen: 53.221 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	272261		
111	39.6	20.4	61.2	
148	64.2	31.8	95.4	

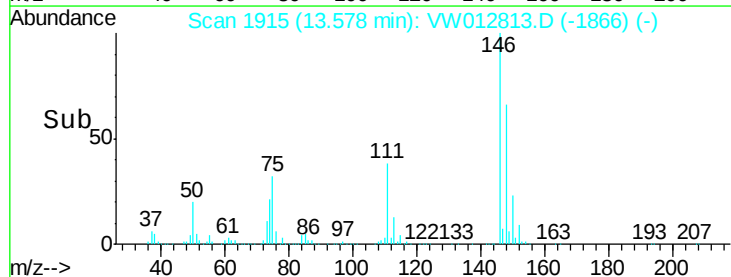
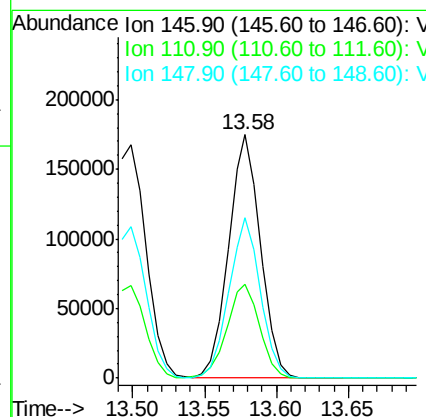
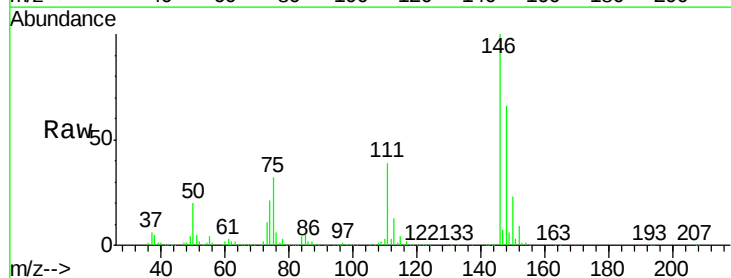
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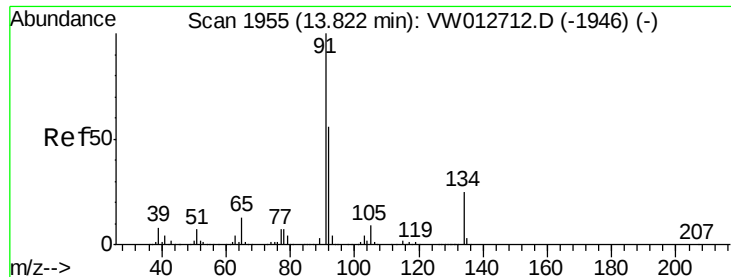
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#88
 1,4-Dichlorobenzene
 Concen: 53.192 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	270772		
111	39.4	20.0	60.0	
148	65.0	32.2	96.6	





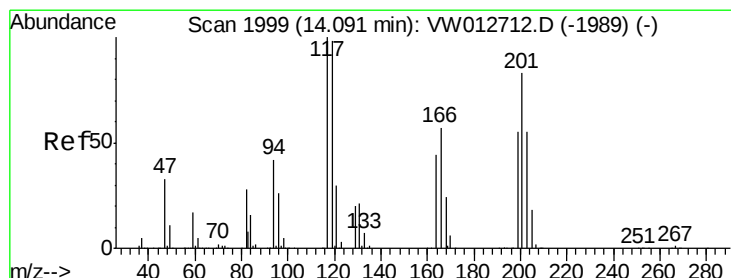
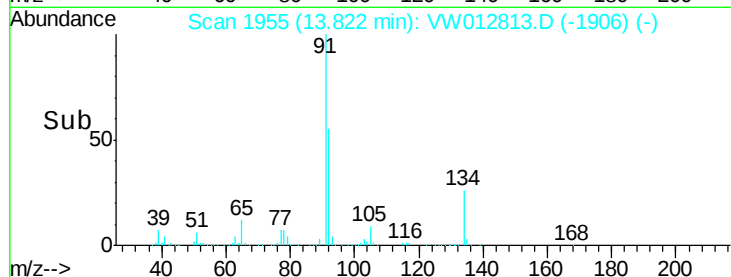
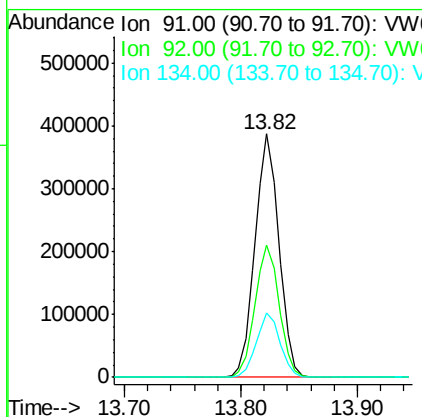
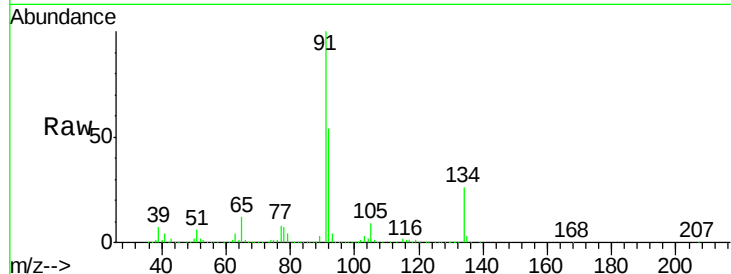
#89
n-Butylbenzene
Concen: 52.923 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.5
134	26.3	12.7	38.1

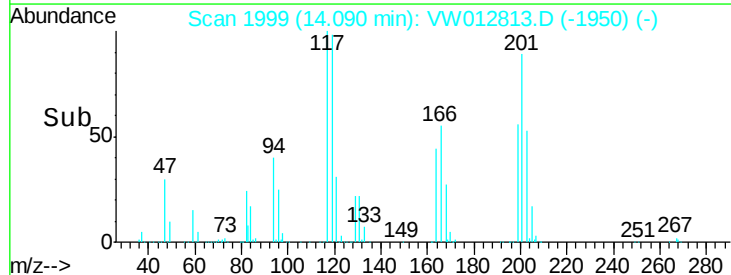
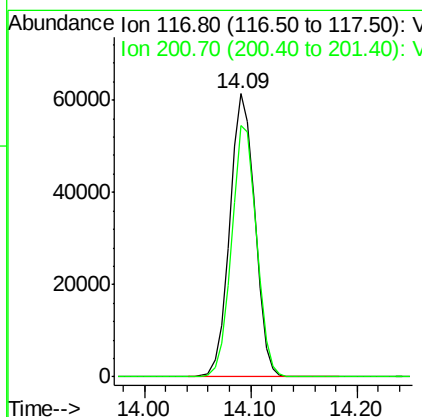
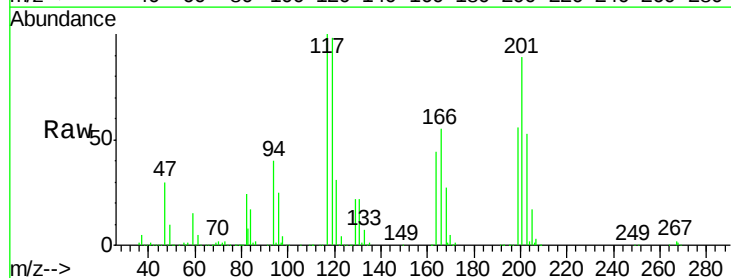
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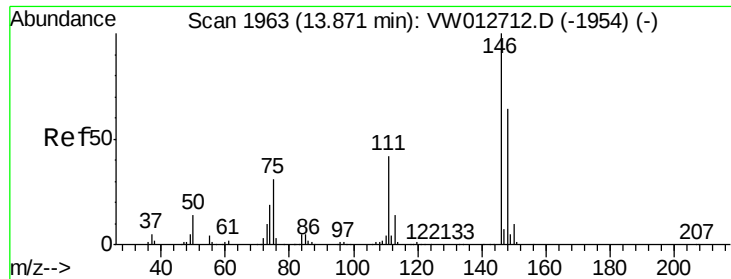
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#90
Hexachloroethane
Concen: 53.855 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.9	42.8	128.4





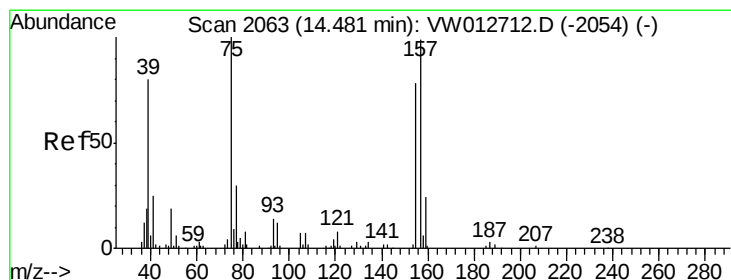
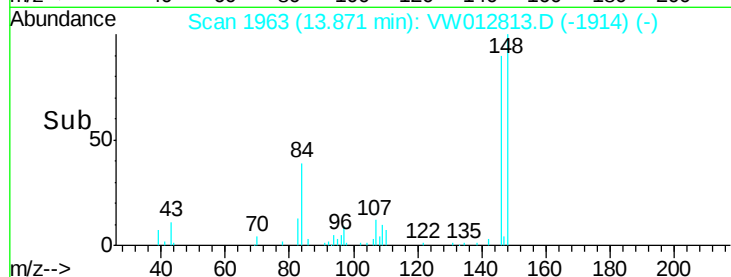
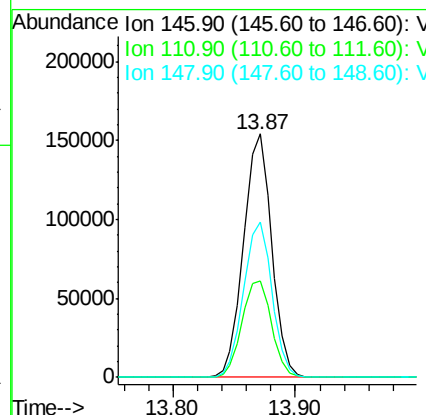
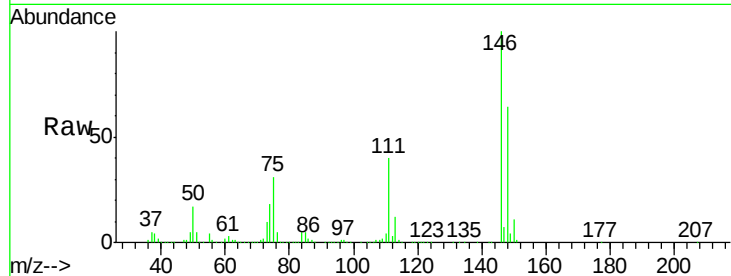
#91
 1,2-Dichlorobenzene
 Concen: 53.484 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.9
148	64.3	32.1	96.5

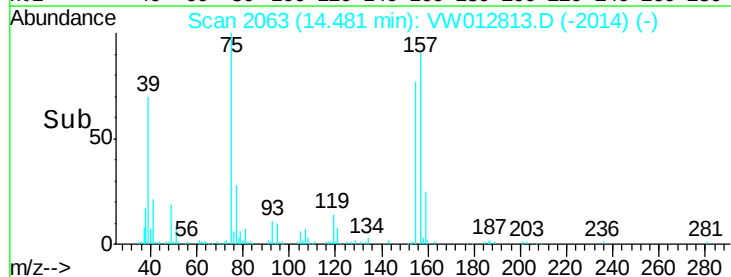
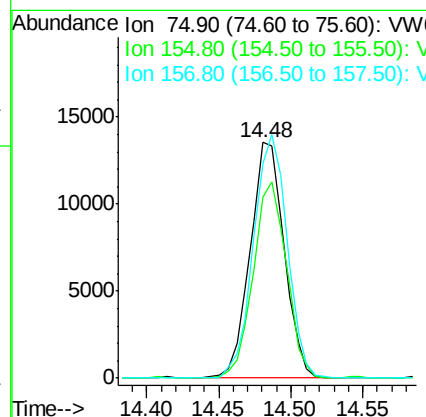
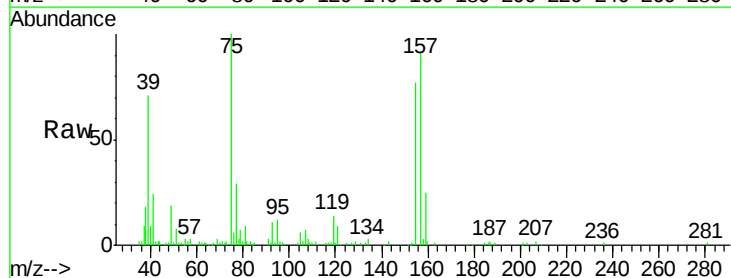
Manual Integrations
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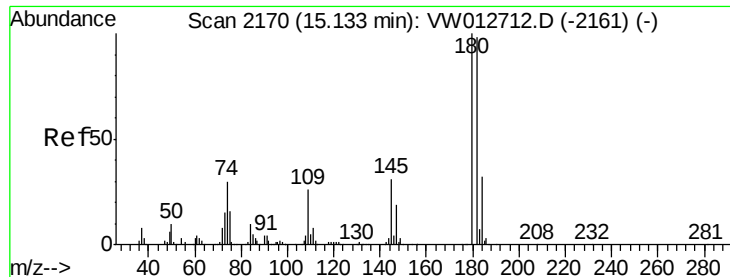
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.192 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.6	122.0
157	102.3	52.5	157.5





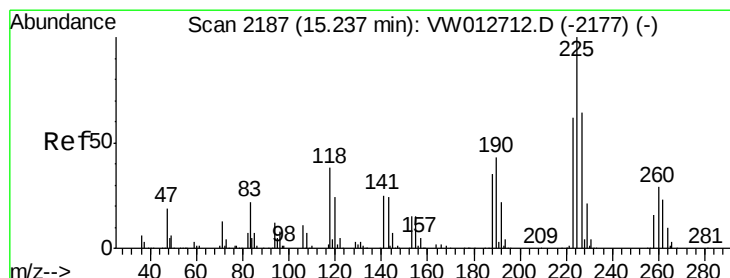
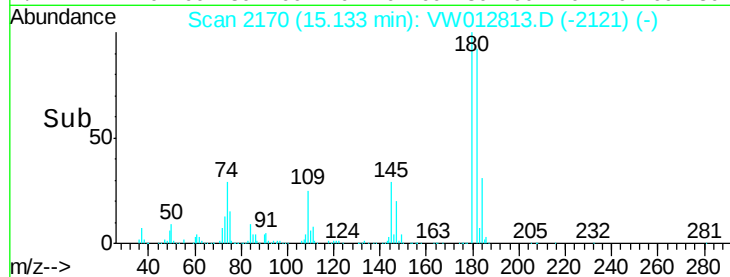
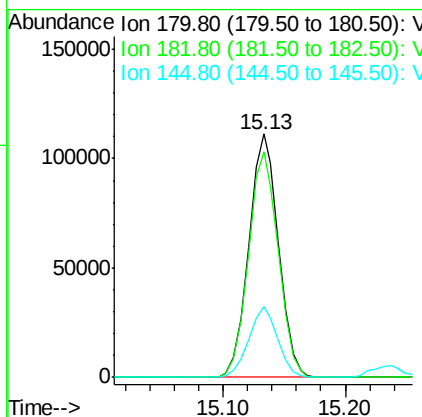
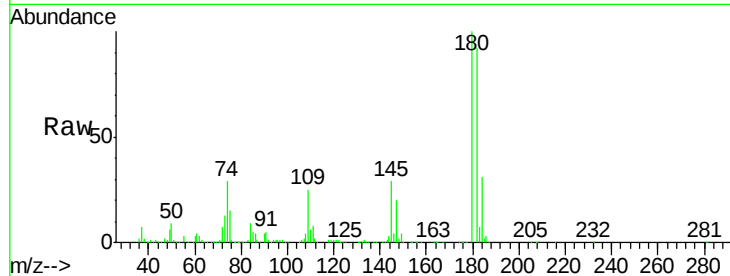
#93
 1,2,4-Trichlorobenzene
 Concen: 58.152 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186420		
182	93.4	48.7	146.1	
145	28.6	15.0	45.1	

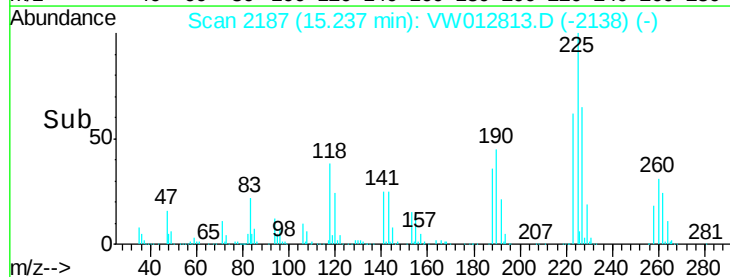
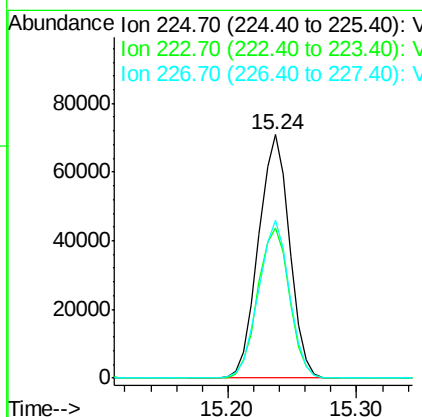
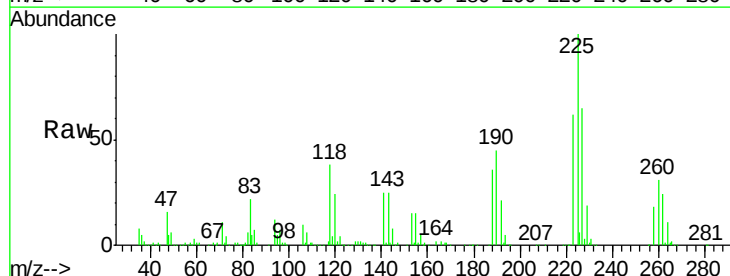
Manual Integrations
 APPROVED

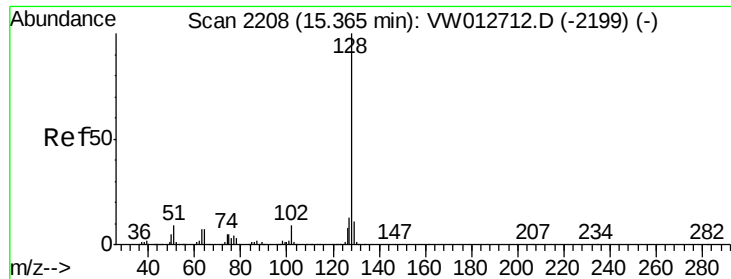
MMDadoda
 9/11/2019 8:15:38 AM



#94
 Hexachlorobutadiene
 Concen: 53.364 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012813.D
 Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118410		
223	62.7	31.1	93.3	
227	64.1	31.4	94.2	





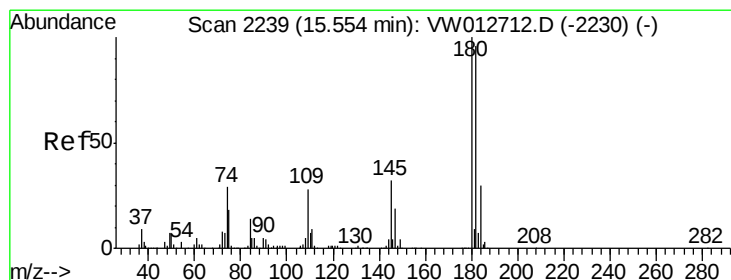
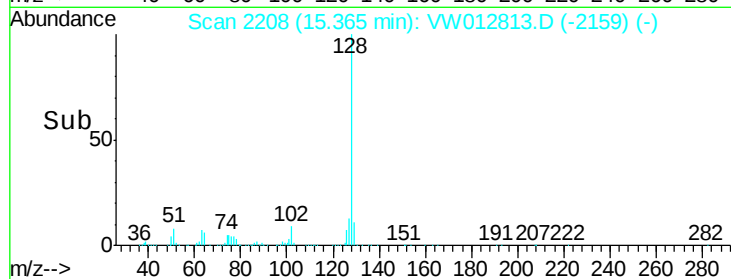
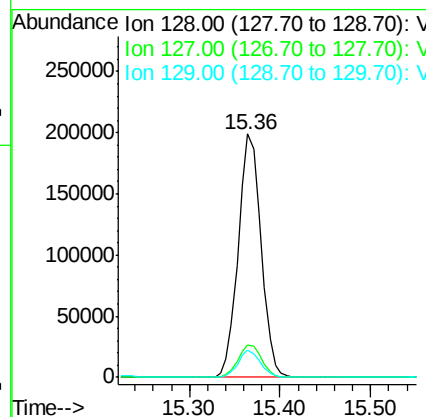
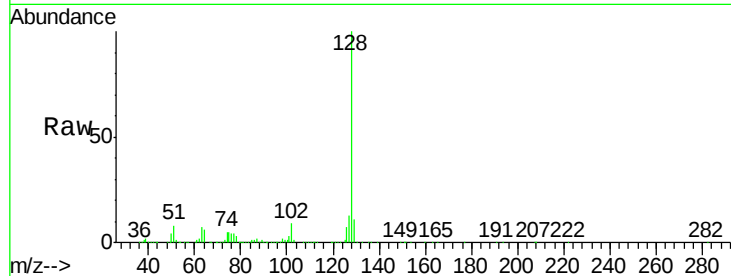
#95
Naphthalene
Concen: 51.603 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	347817		
127	13.9	10.7	16.1	
129	11.0	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/11/2019 8:15:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 58.395 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012813.D
Acq: 09 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	165241		
182	93.4	47.8	143.3	
145	31.0	15.4	46.2	

