

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013179.D
 Acq On : 20 Sep 2019 13:35
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:43 AM

Quant Time: Sep 20 15:13:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	550978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	474695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	243609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56001	16.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.10%	
35) Dibromofluoromethane	7.88	113	55809	18.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.46%	
50) Toluene-d8	10.32	98	229613	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	
62) 4-Bromofluorobenzene	12.62	95	77531	18.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45001	26.445	ug/l	100
3) Chloromethane	2.21	50	54512	25.137	ug/l	100
4) Vinyl Chloride	2.36	62	70791	24.976	ug/l	98
5) Bromomethane	2.77	94	43592	24.789	ug/l	93
6) Chloroethane	2.92	64	40505	23.422	ug/l	92
7) Trichlorofluoromethane	3.25	101	38769	20.387	ug/l	87
8) Diethyl Ether	3.68	74	34183	22.492	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65597	22.321	ug/l	98
10) Methyl Iodide	4.27	142	101411	26.392	ug/l	100
11) Tert butyl alcohol	5.20	59	24307m	92.322	ug/l	
12) 1,1-Dichloroethene	4.03	96	68345	24.949	ug/l	97
13) Acrolein	3.90	56	17511	73.430	ug/l	89
14) Allyl chloride	4.67	41	106227	21.147	ug/l	99
15) Acrylonitrile	5.37	53	74636	99.750	ug/l	99
16) Acetone	4.13	43	61813	77.594	ug/l	97
17) Carbon Disulfide	4.38	76	193916	32.152	ug/l	100
18) Methyl Acetate	4.67	43	39082	19.866	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	103616	20.169	ug/l	95
20) Methylene Chloride	4.91	84	73153	21.676	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	72701	24.703	ug/l	99
22) Diisopropyl ether	6.31	45	205183	19.970	ug/l	96
23) Vinyl Acetate	6.25	43	608354	99.575	ug/l	99
24) 1,1-Dichloroethane	6.21	63	123845	20.693	ug/l	99
25) 2-Butanone	7.17	43	99744	92.259	ug/l	95
26) 2,2-Dichloropropane	7.16	77	80362	19.237	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	76575	22.232	ug/l	98
28) Bromochloromethane	7.51	49	42122	16.801	ug/l	98
29) Tetrahydrofuran	7.53	42	63013	100.931	ug/l	98
30) Chloroform	7.67	83	120711	20.085	ug/l	98
31) Cyclohexane	7.95	56	128317	24.144	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98770	19.924	ug/l	99
36) 1,1-Dichloropropene	8.08	75	102716	22.610	ug/l	98
37) Ethyl Acetate	7.25	43	43158	18.673	ug/l	96
38) Carbon Tetrachloride	8.07	117	91219	20.032	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	132947	25.672	ug/l	97
40) Benzene	8.32	78	287576	22.674	ug/l	99
41) Methacrylonitrile	7.48	41	25949	17.230	ug/l	98
42) 1,2-Dichloroethane	8.40	62	75503	18.467	ug/l	99
43) Isopropyl Acetate	8.42	43	81944	18.524	ug/l	99
44) Trichloroethene	9.09	130	79522	22.737	ug/l	100
45) 1,2-Dichloropropane	9.37	63	68682	20.761	ug/l	100
46) Dibromomethane	9.46	93	33516	21.095	ug/l	97
47) Bromodichloromethane	9.64	83	83720	19.112	ug/l	99
48) Methyl methacrylate	9.44	41	37803	18.168	ug/l	97
49) 1,4-Dioxane	9.46	88	9850	387.017	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	206652	90.863	ug/l	99
52) Toluene	10.38	92	182880	22.670	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87347	19.719	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	104987	20.528	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50595	20.975	ug/l	98
56) Ethyl methacrylate	10.65	69	66879	20.721	ug/l	99
57) 1,3-Dichloropropane	10.93	76	87381	20.476	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	147377	86.311	ug/l	100
59) 2-Hexanone	10.97	43	144238	91.561	ug/l	100
60) Dibromochloromethane	11.13	129	55842	19.382	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47935	21.715	ug/l	98
64) Tetrachloroethene	10.86	164	67677	22.941	ug/l	97
65) Chlorobenzene	11.66	112	191155	22.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	65363	20.072	ug/l	99
67) Ethyl Benzene	11.73	91	345536	21.656	ug/l	97
68) m/p-Xylenes	11.84	106	264729	45.023	ug/l	98
69) o-Xylene	12.16	106	122053	22.204	ug/l	97
70) Styrene	12.18	104	211379	21.700	ug/l	99
71) Bromoform	12.35	173	33576	19.735	ug/l #	99
73) Isopropylbenzene	12.46	105	342371	20.870	ug/l	99
74) N-amyl acetate	12.27	43	74826	18.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56005	19.751	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36160m	17.015	ug/l	
77) Bromobenzene	12.74	156	79890	20.904	ug/l	97
78) n-propylbenzene	12.80	91	401866	20.839	ug/l	100
79) 2-Chlorotoluene	12.89	91	225685	20.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	287238	20.670	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18109	19.282	ug/l	99
82) 4-Chlorotoluene	12.99	91	239977	20.697	ug/l	99
83) tert-Butylbenzene	13.21	119	255592	20.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	291721	21.256	ug/l	99
85) sec-Butylbenzene	13.38	105	349690	20.681	ug/l	100
86) p-Isopropyltoluene	13.50	119	325198	20.916	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157148	20.941	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154029	20.937	ug/l	98
89) n-Butylbenzene	13.82	91	297577	20.403	ug/l	99
90) Hexachloroethane	14.09	117	53019	19.181	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	136372	20.719	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8779	17.212	ug/l	97

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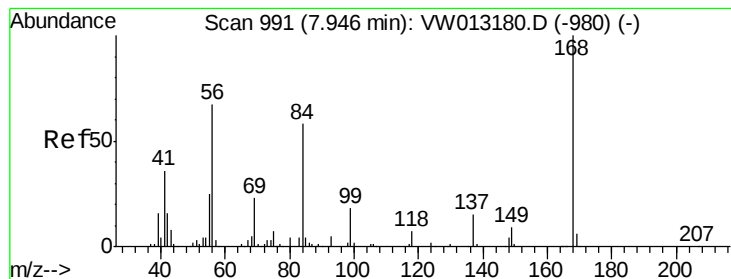
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	98504	20.943	ug/l	99
94) Hexachlorobutadiene	15.24	225	68253	20.602	ug/l	99
95) Naphthalene	15.36	128	159217	20.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	83920	20.251	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 375940

Ion Ratio Lower Upper

168 100

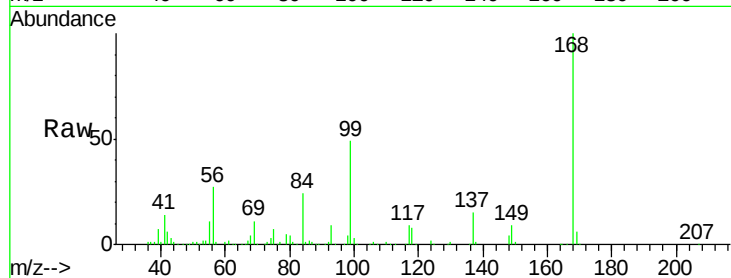
99 49.5 40.2 60.4

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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

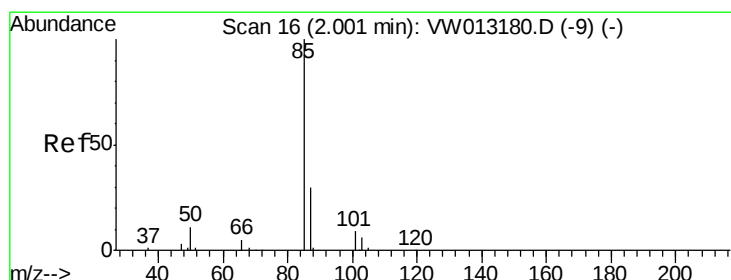
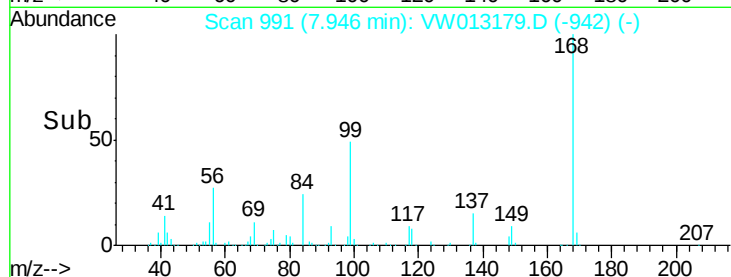
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 26.445 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013179.D

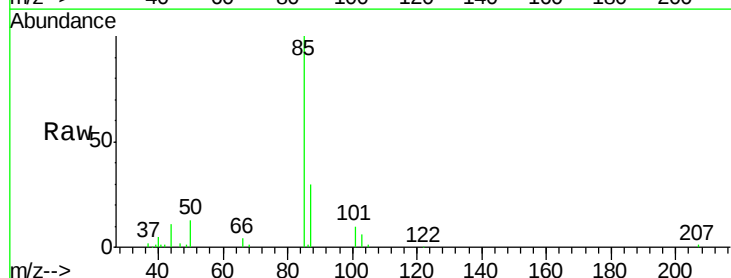
Acq: 20 Sep 2019 13:35

Tgt Ion: 85 Resp: 45001

Ion Ratio Lower Upper

85 100

87 30.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

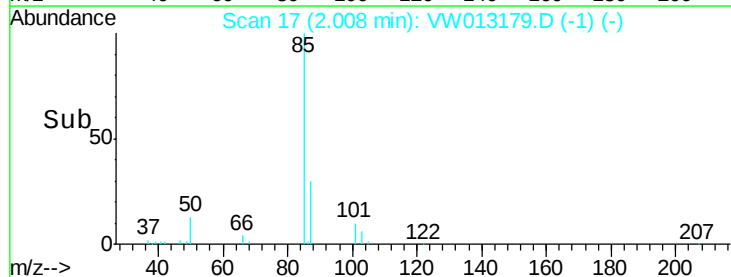
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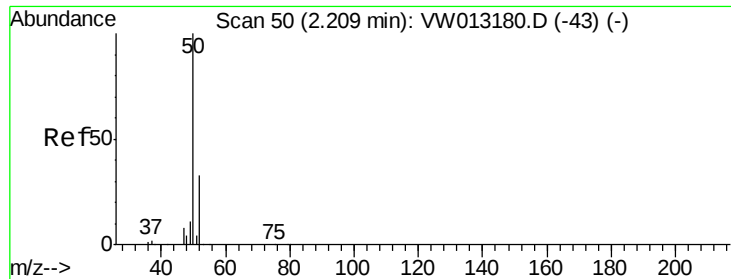
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 25.137 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 54512

Ion Ratio Lower Upper

50 100

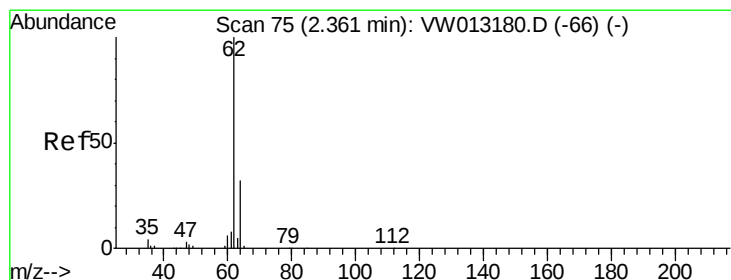
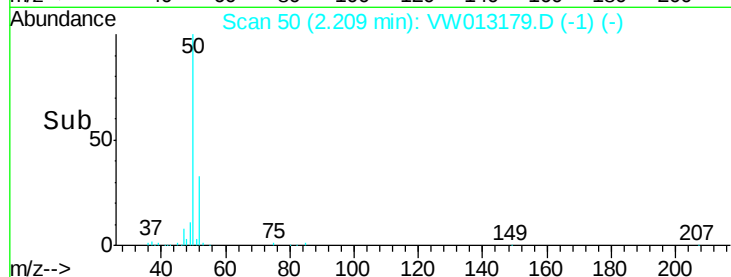
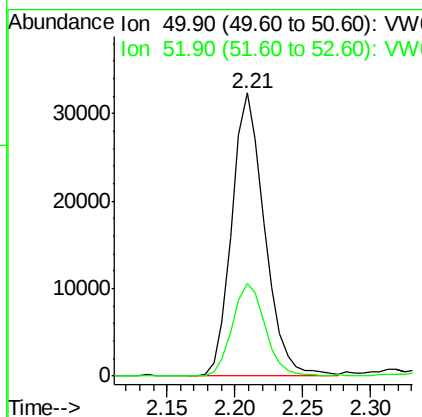
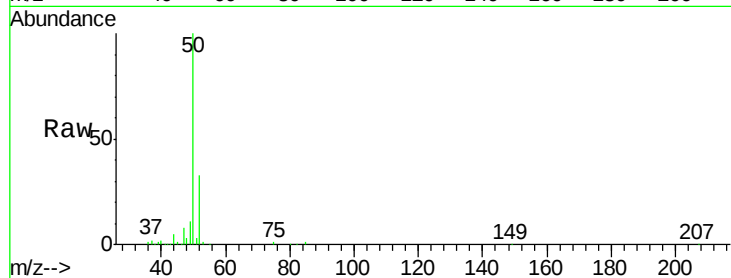
52 32.6 26.1 39.1

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#4

Vinyl Chloride

Concen: 24.976 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013179.D

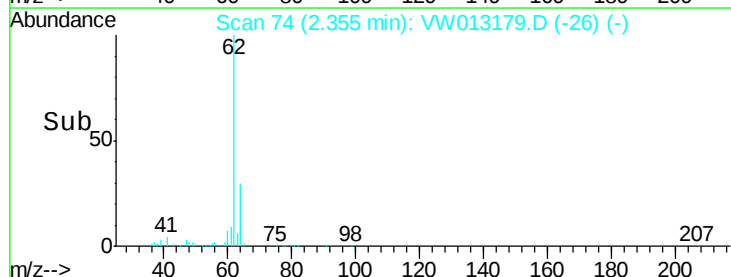
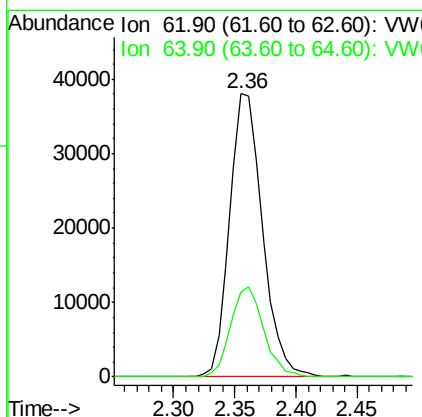
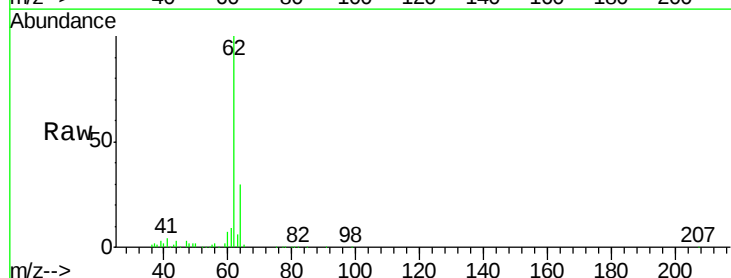
Acq: 20 Sep 2019 13:35

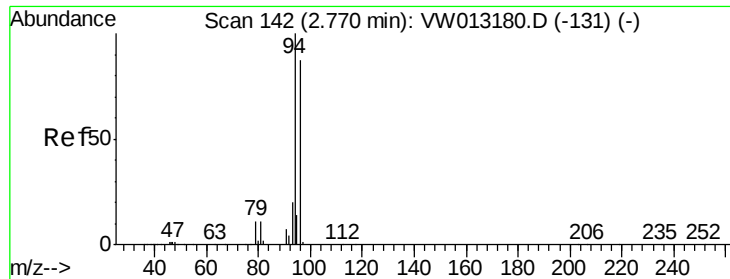
Tgt Ion: 62 Resp: 70791

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 24.789 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 43592

Ion Ratio Lower Upper

94 100

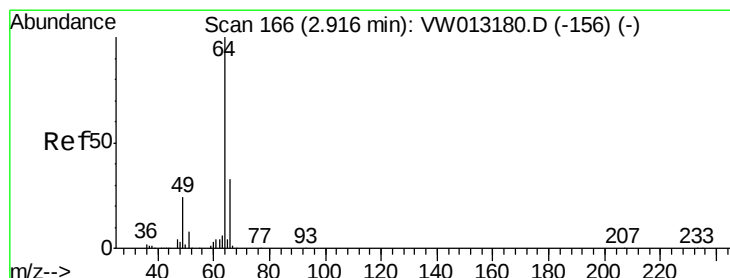
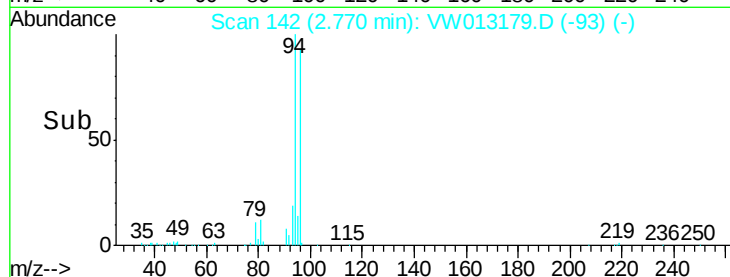
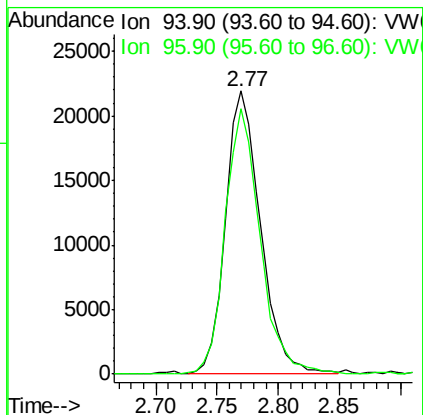
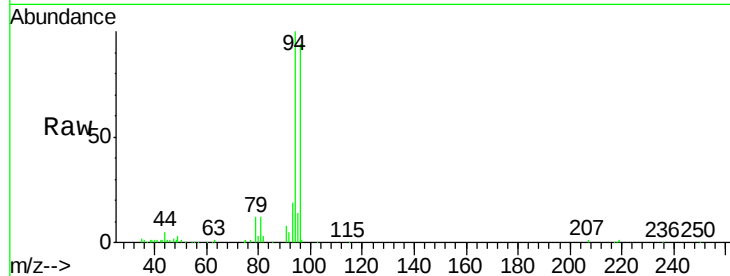
96 93.2 69.7 104.5

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#6

Chloroethane

Concen: 23.422 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013179.D

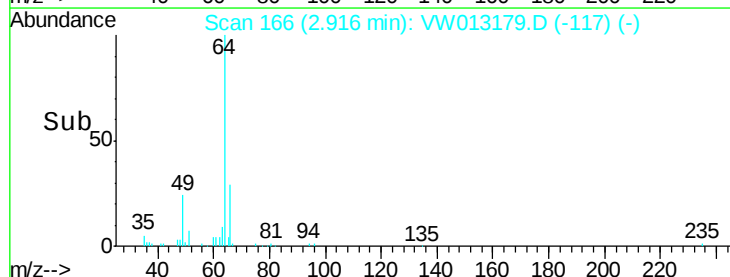
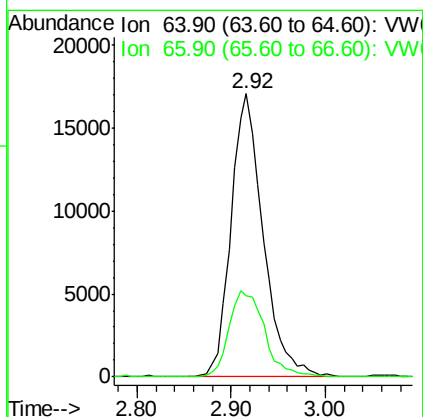
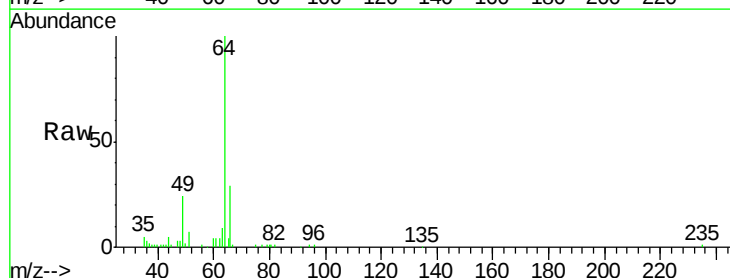
Acq: 20 Sep 2019 13:35

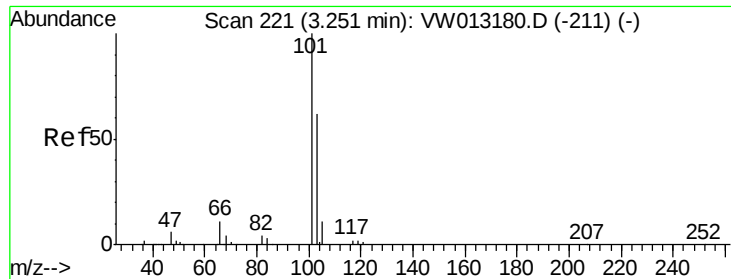
Tgt Ion: 64 Resp: 40505

Ion Ratio Lower Upper

64 100

66 28.6 26.6 39.8





#7

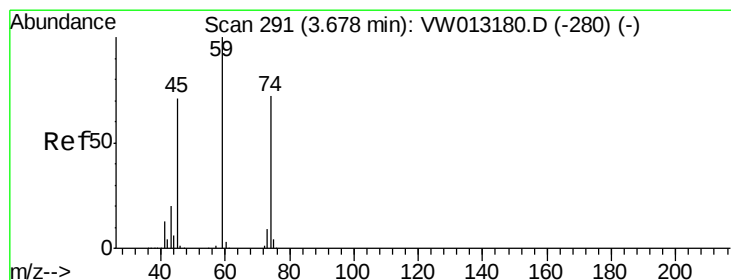
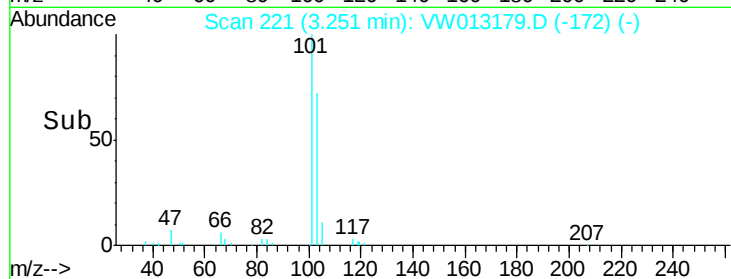
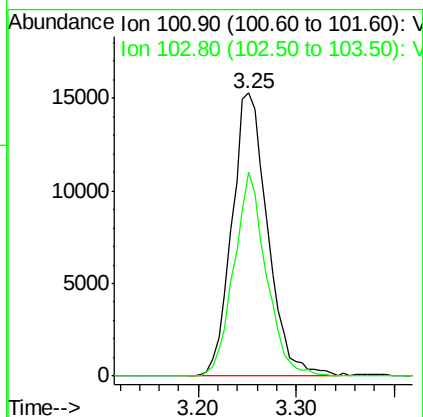
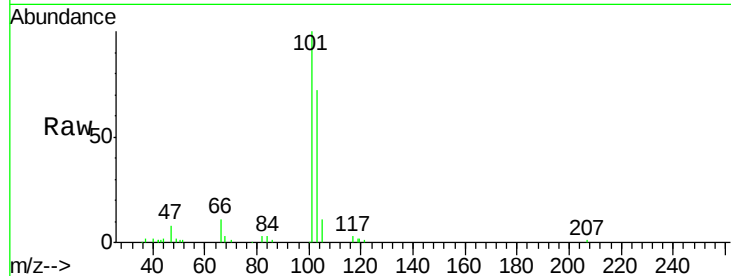
Trichlorofluoromethane
 Concen: 20.387 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

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 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	72.3	49.7	74.5

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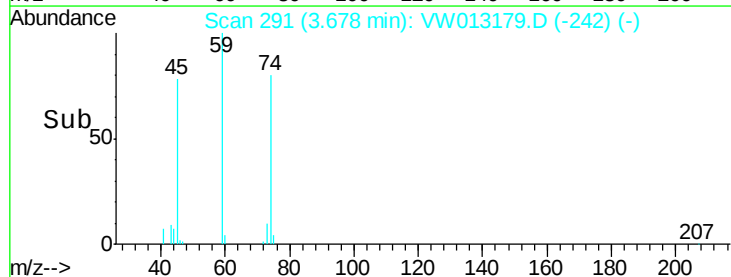
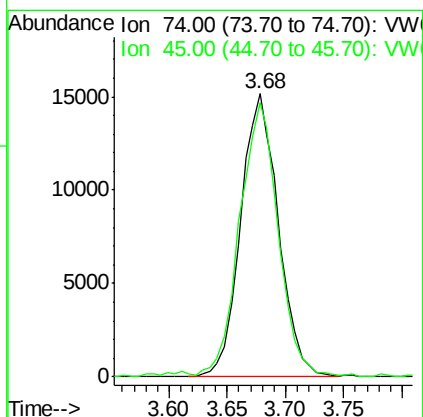
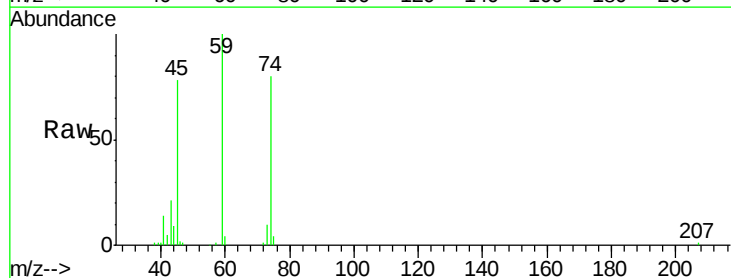
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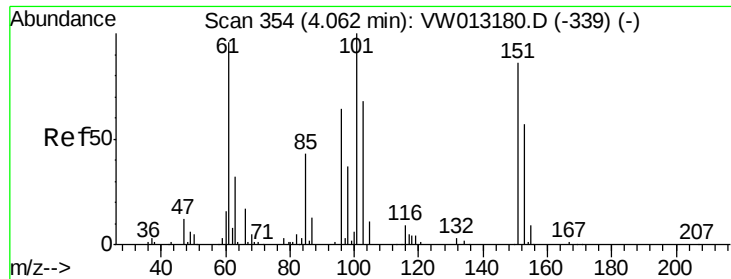


#8

Diethyl Ether
 Concen: 22.492 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.321 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

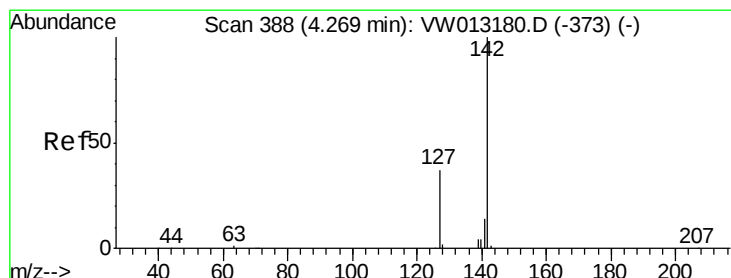
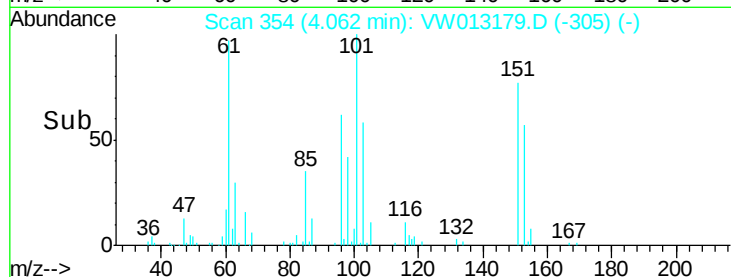
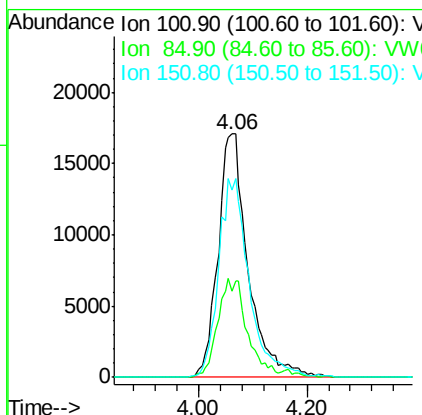
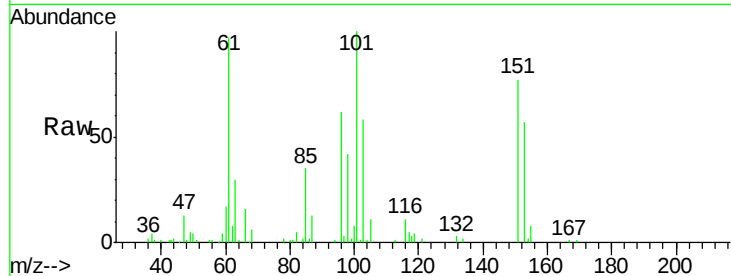
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	65597
Ion Ratio	Lower	Upper	
101	100		
85	39.4	33.4	50.0
151	83.1	66.9	100.3

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#10

Methyl Iodide

Concen: 26.392 ug/l

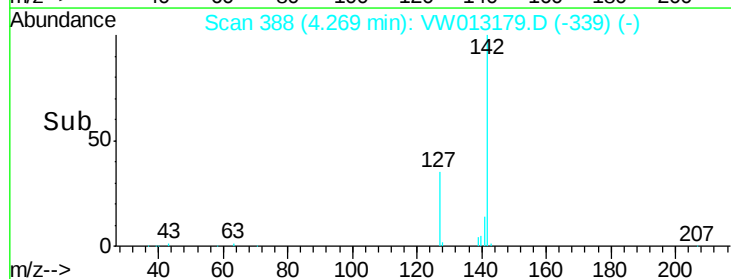
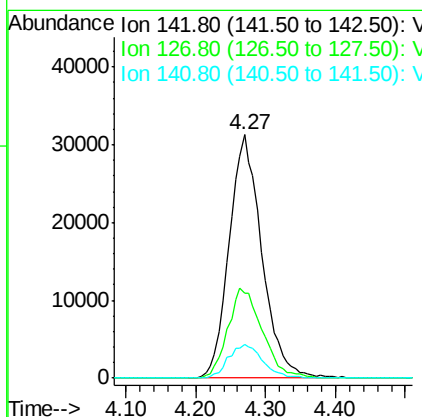
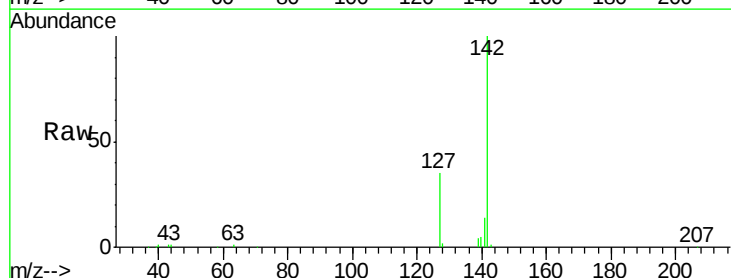
RT: 4.27 min Scan# 388

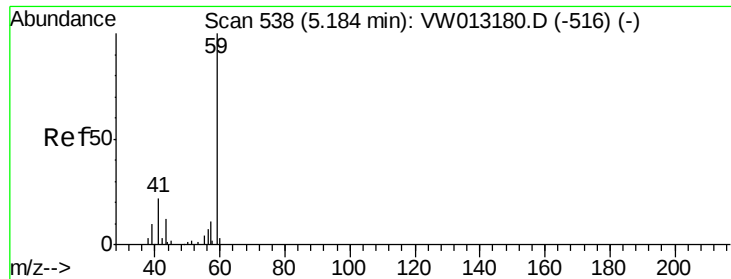
Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion:	142	Resp:	101411
Ion Ratio	Lower	Upper	
142	100		
127	38.9	30.9	46.3
141	14.6	11.7	17.5





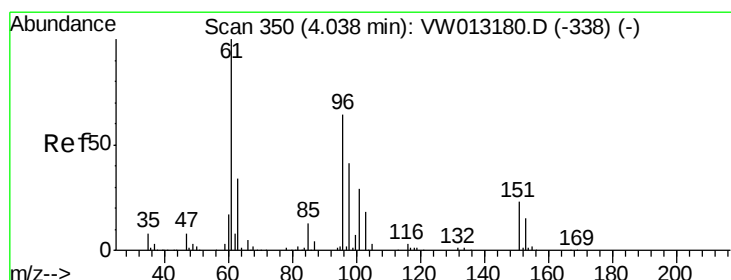
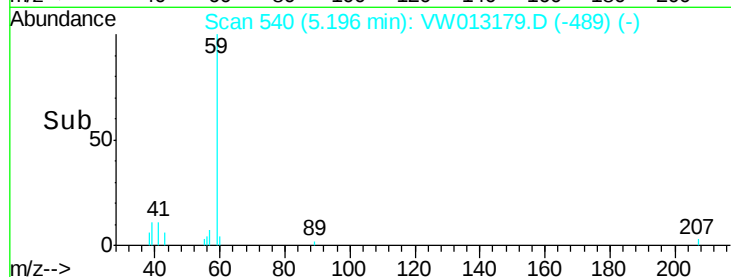
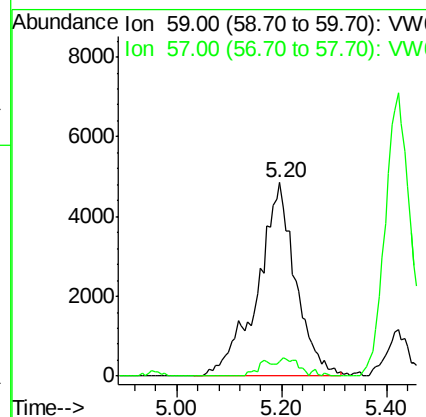
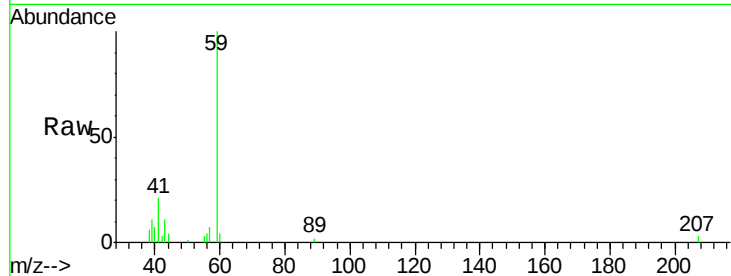
#11
Tert butyl alcohol
Concen: 92.322 ug/l m
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 24307
Ion Ratio Lower Upper
59 100
57 4.5 8.2 12.2#

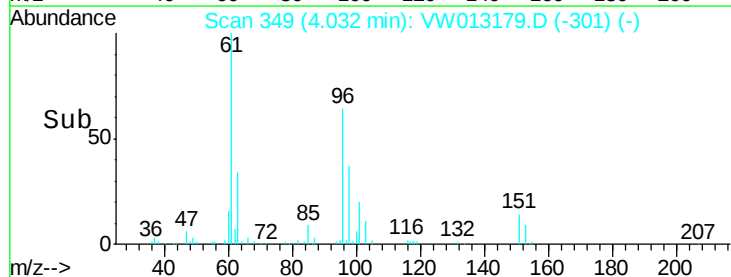
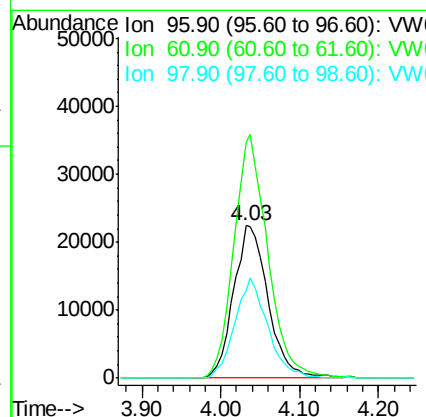
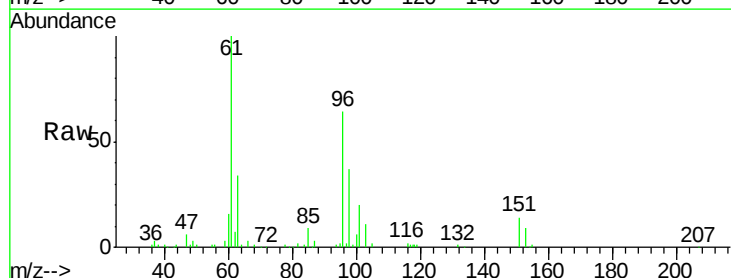
Manual Integrations
APPROVED

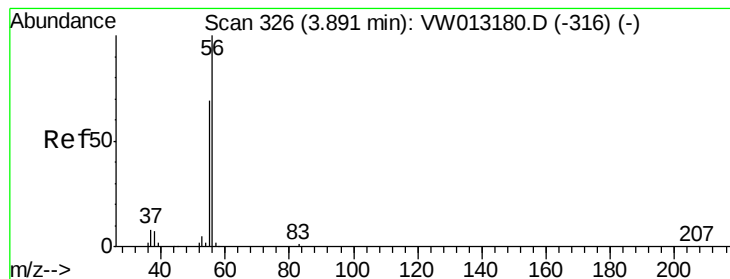
MMDadoda
9/24/2019 5:28:43 AM



#12
1,1-Dichloroethene
Concen: 24.949 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 96 Resp: 68345
Ion Ratio Lower Upper
96 100
61 155.1 125.1 187.7
98 57.4 50.8 76.2





#13

Acrolein

Concen: 73.430 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 17511

Ion Ratio Lower Upper

56 100

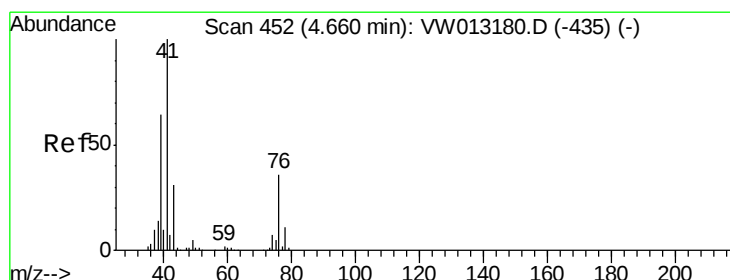
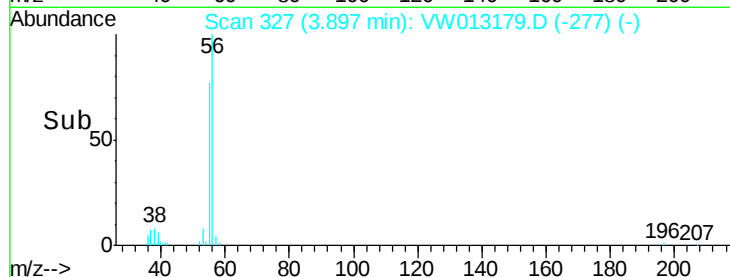
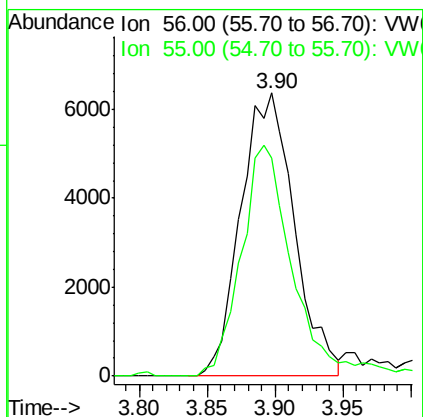
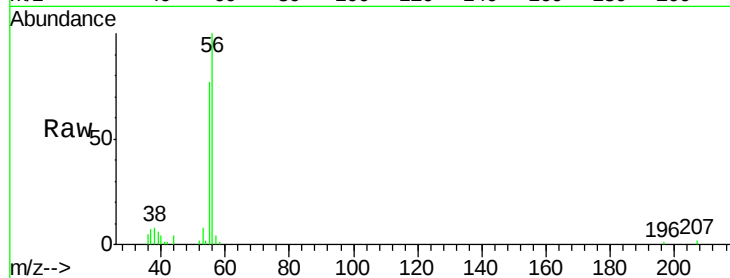
55 78.2 55.4 83.0

Manual Integrations

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9/24/2019 5:28:43 AM



#14

Allyl chloride

Concen: 21.147 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

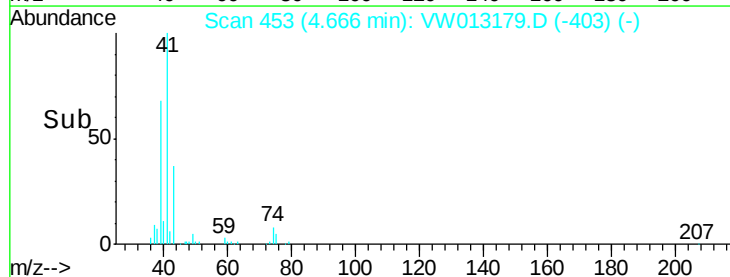
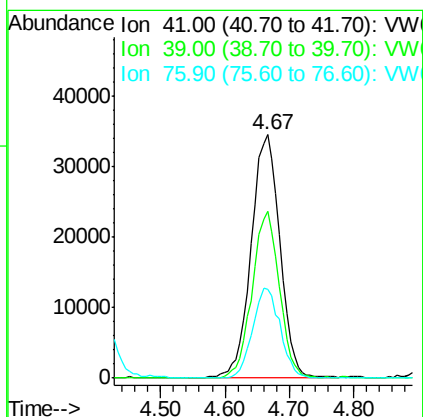
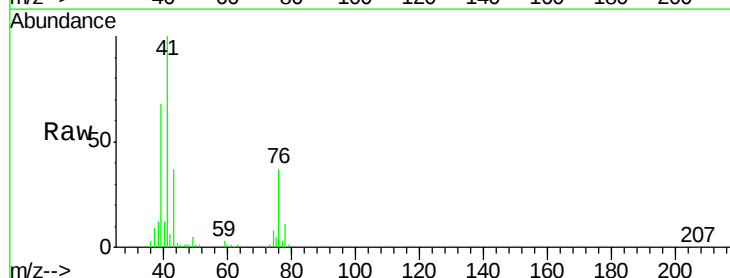
Tgt Ion: 41 Resp: 106227

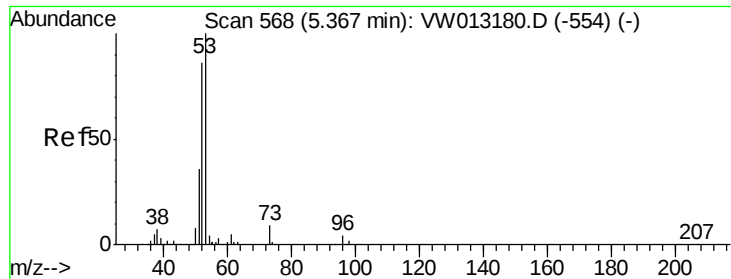
Ion Ratio Lower Upper

41 100

39 64.5 51.0 76.4

76 35.1 28.4 42.6





#15

Acrylonitrile

Concen: 99.750 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

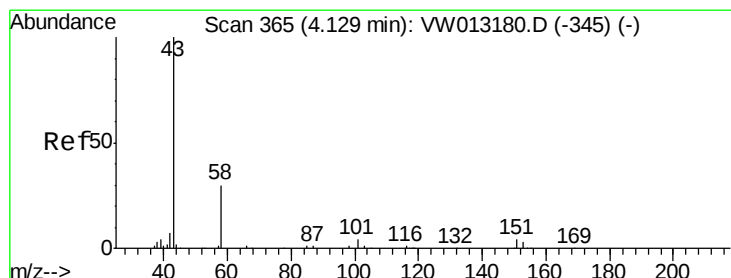
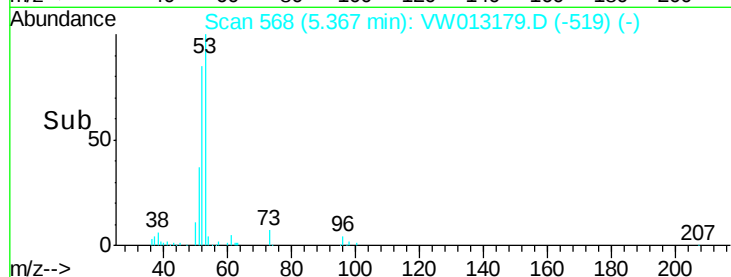
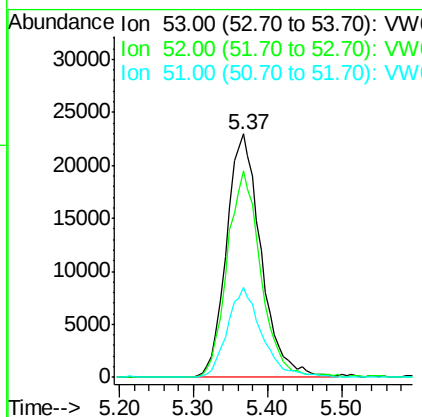
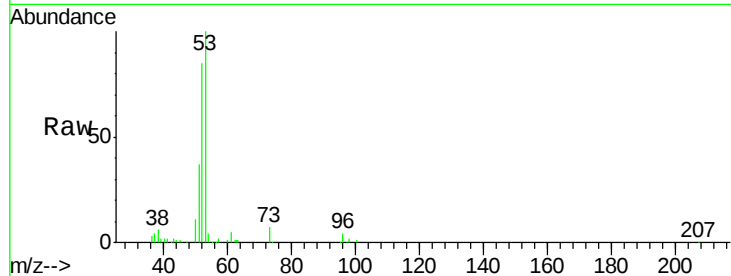
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	74636
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.3	97.9
51	36.7	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 77.594 ug/l

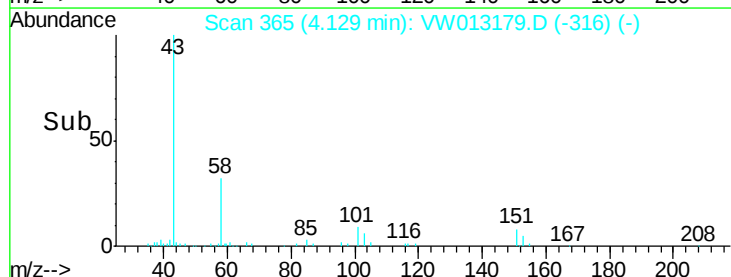
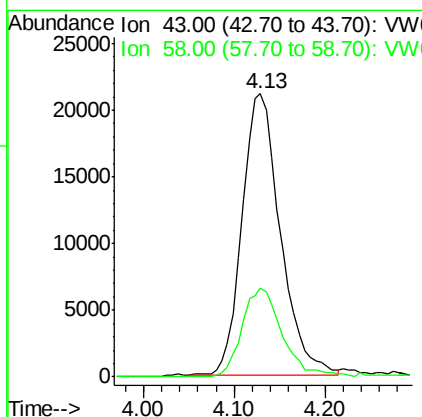
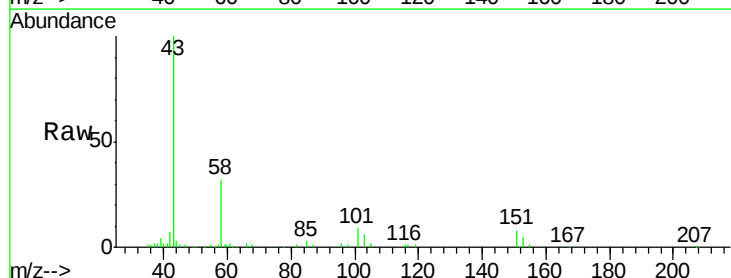
RT: 4.13 min Scan# 365

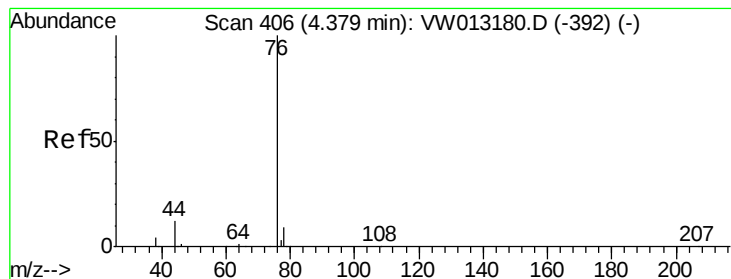
Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion:	43	Resp:	61813
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.1	36.1





#17

Carbon Disulfide

Concen: 32.152 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 193916

Ion Ratio Lower Upper

76 100

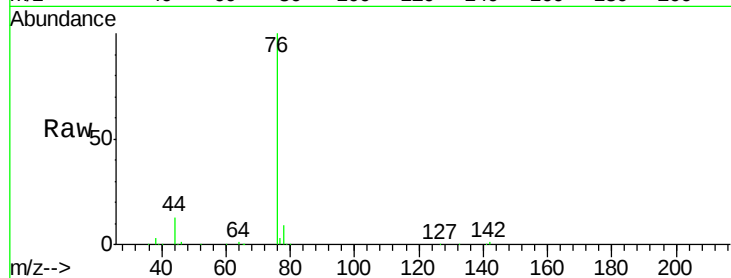
78 8.6 7.0 10.4

Manual Integrations

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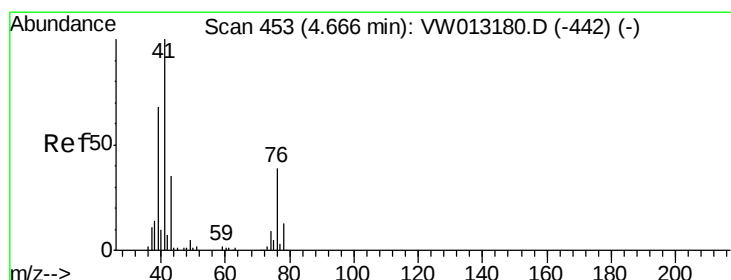
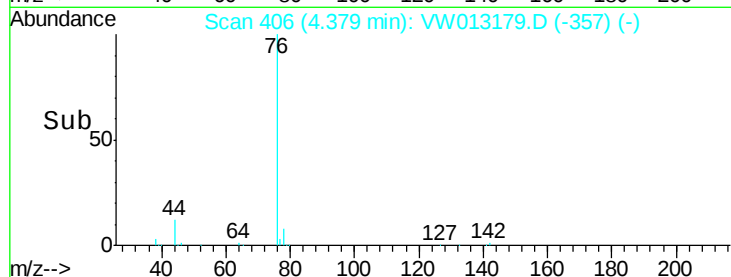
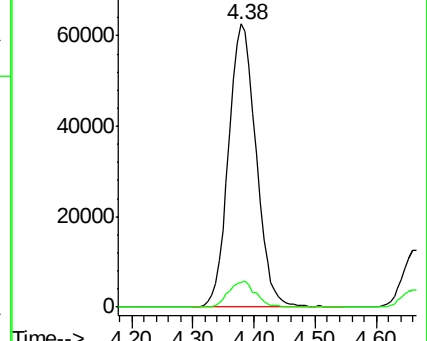
MMDadoda

9/24/2019 5:28:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.866 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013179.D

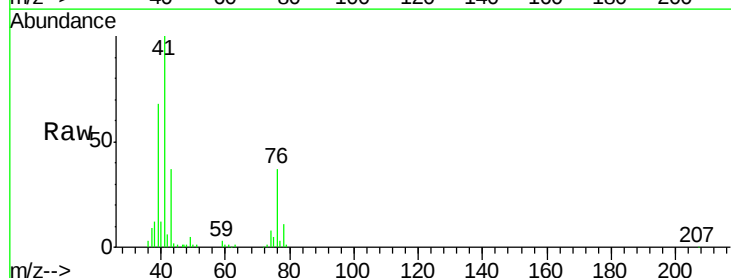
Acq: 20 Sep 2019 13:35

Tgt Ion: 43 Resp: 39082

Ion Ratio Lower Upper

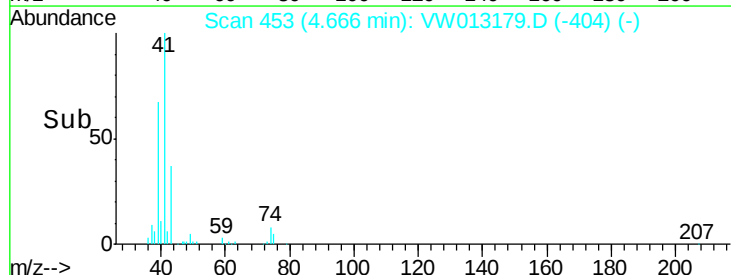
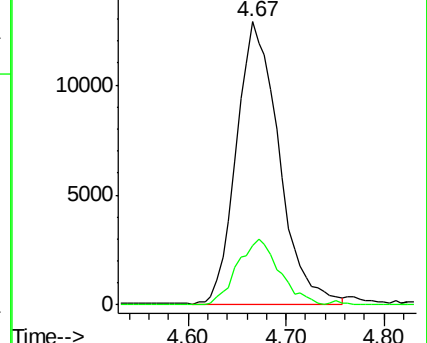
43 100

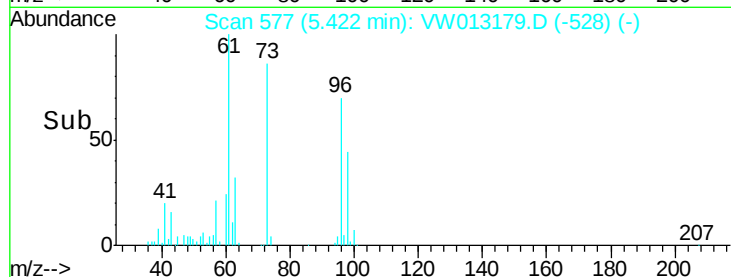
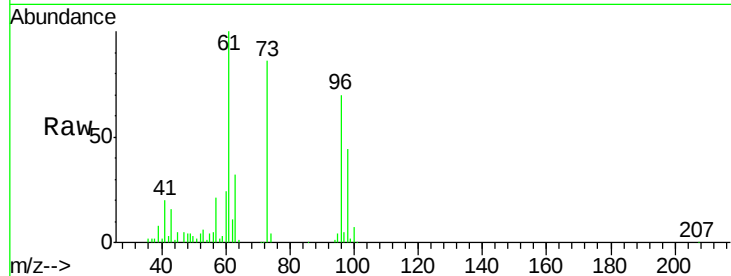
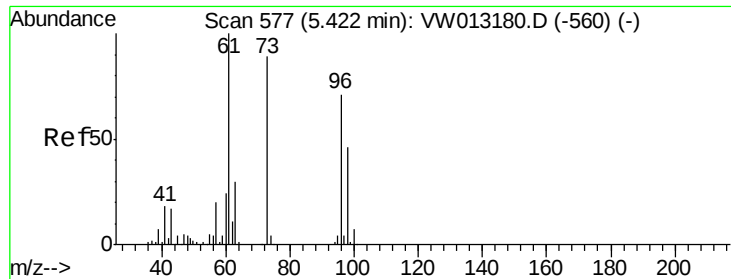
74 23.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





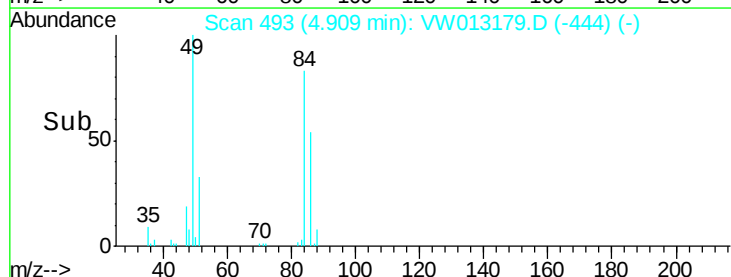
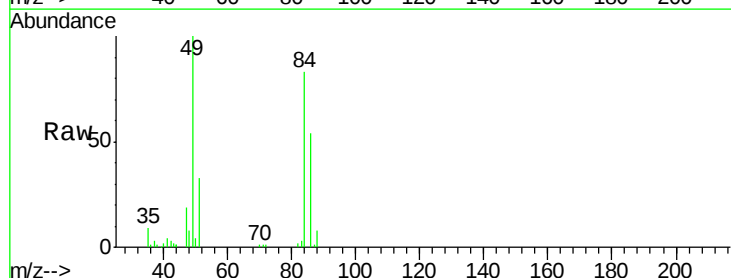
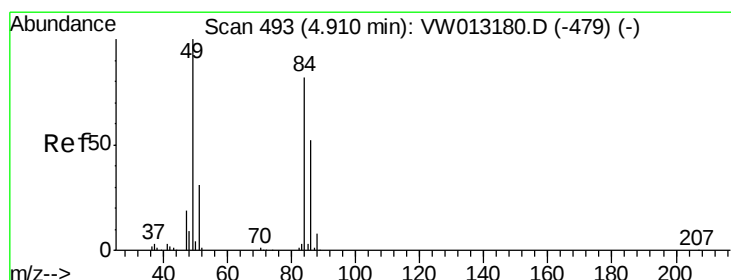
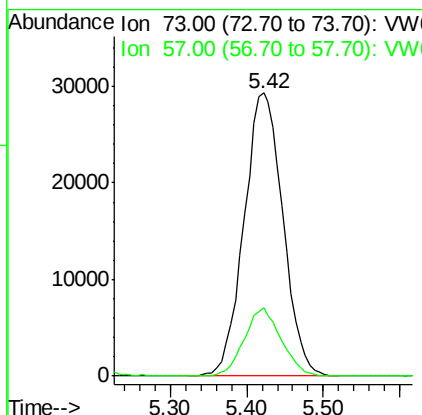
#19
Methyl tert-butyl Ether
Concen: 20.169 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	17.6	26.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

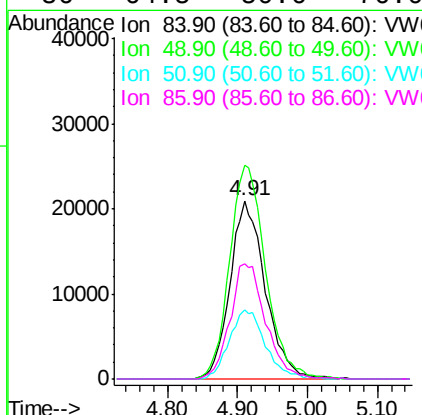
Manual Integrations
APPROVED

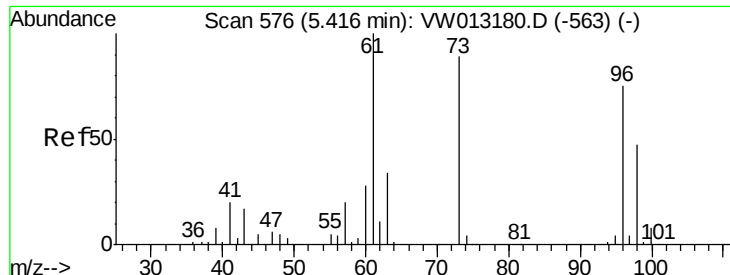
MMDadoda
9/24/2019 5:28:43 AM



#20
Methylene Chloride
Concen: 21.676 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.8	97.6	146.4
51	39.0	30.2	45.2
86	64.5	50.6	76.0





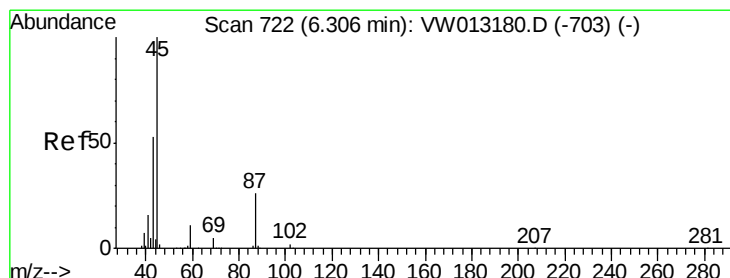
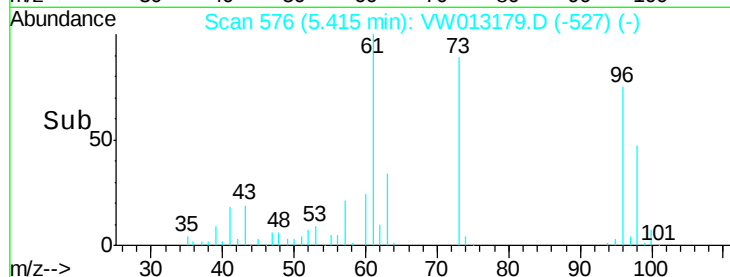
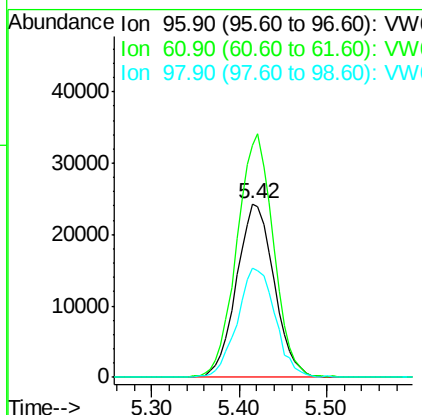
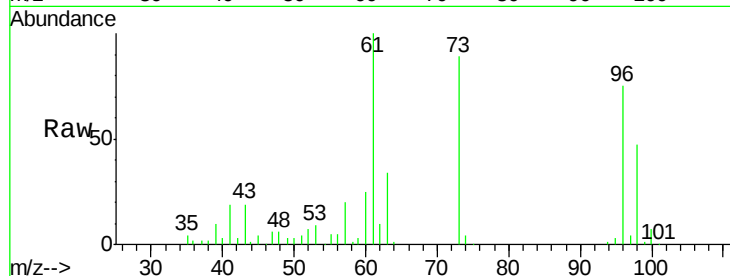
#21
trans-1,2-Dichloroethene
Concen: 24.703 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	106.6	159.8
98	63.0	49.8	74.8

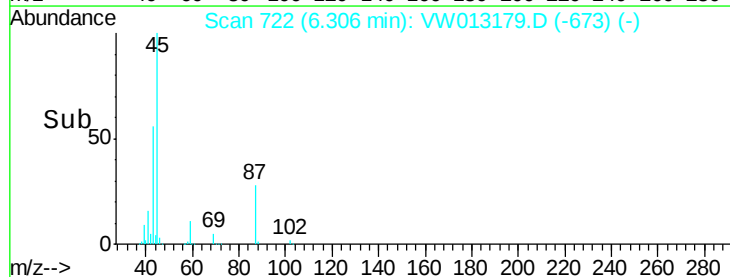
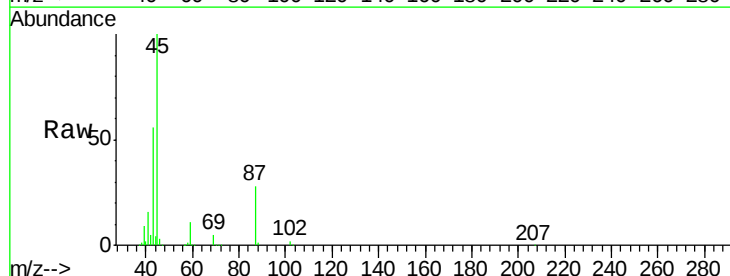
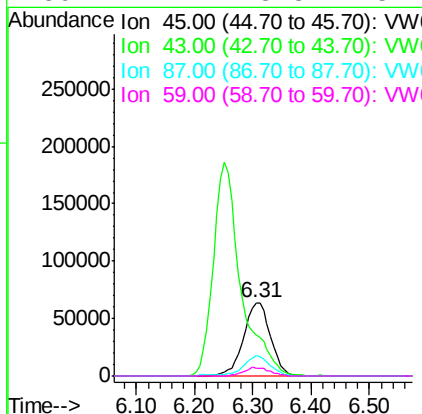
Manual Integrations
APPROVED

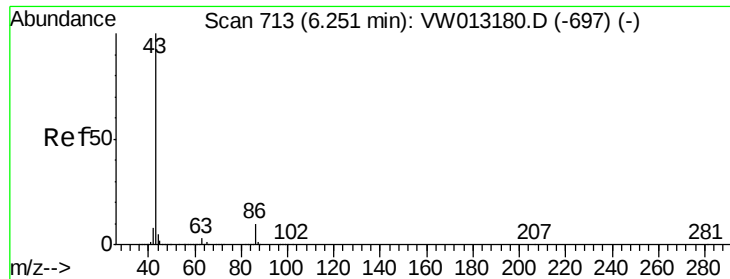
MMDadoda
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#22
Diisopropyl ether
Concen: 19.970 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	42.4	63.6
87	27.9	20.4	30.6
59	11.4	8.8	13.2





#23

Vinyl Acetate

Concen: 99.575 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 608354

Ion Ratio Lower Upper

43 100

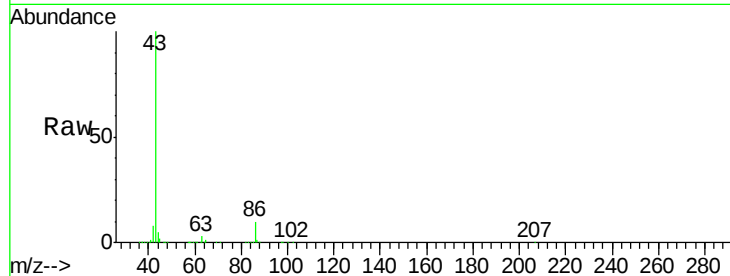
86 10.0 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

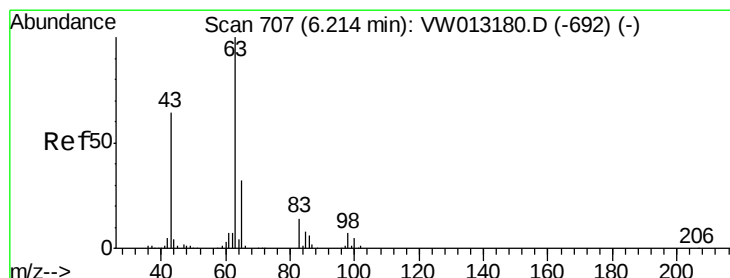
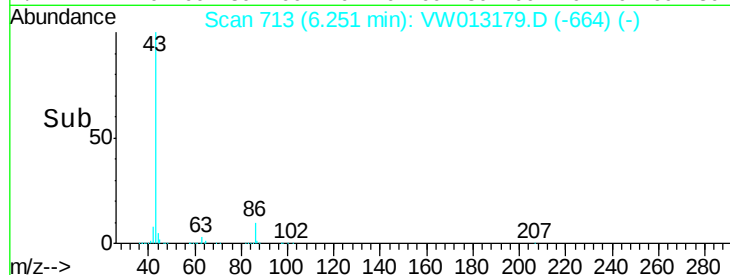
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.693 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

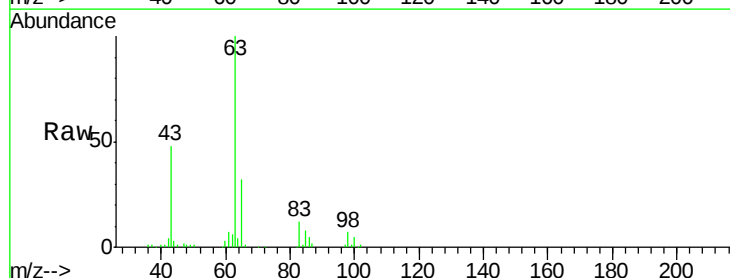
Tgt Ion: 63 Resp: 123845

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 5.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

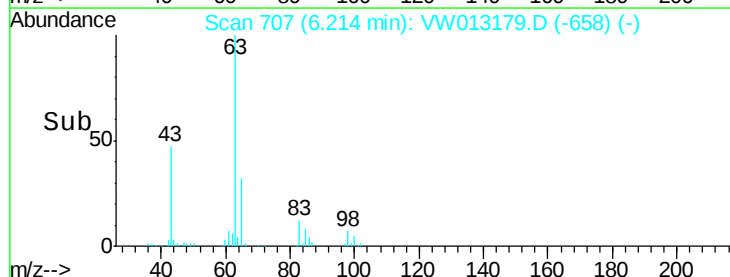
30000

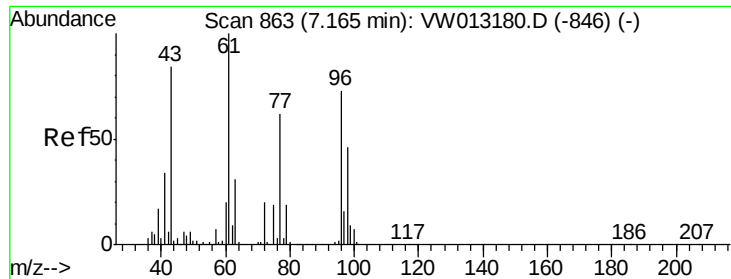
20000

10000

0

Time-->





#25

2-Butanone

Concen: 92.259 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 99744

Ion Ratio Lower Upper

43 100

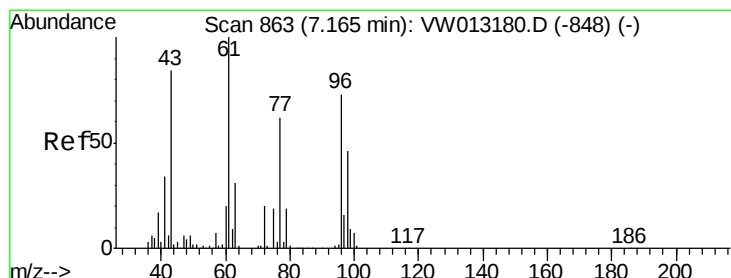
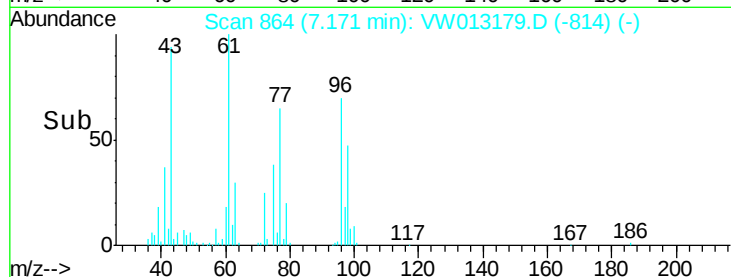
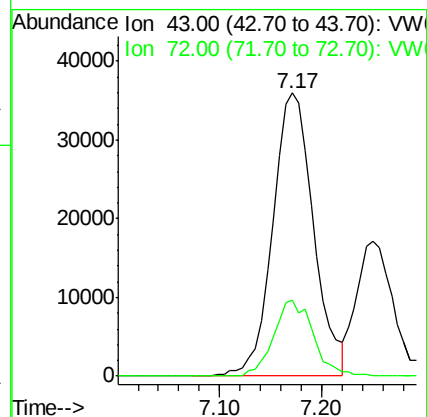
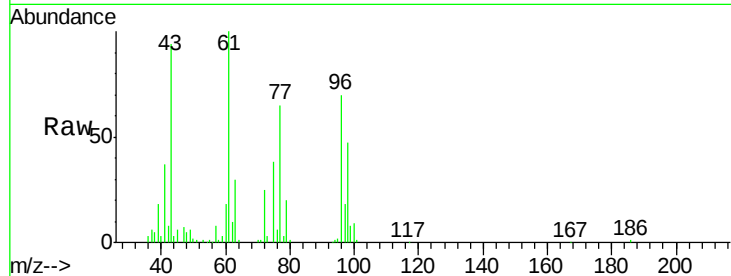
72 26.7 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.237 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013179.D

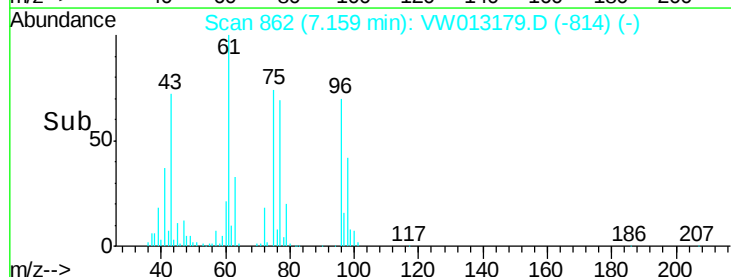
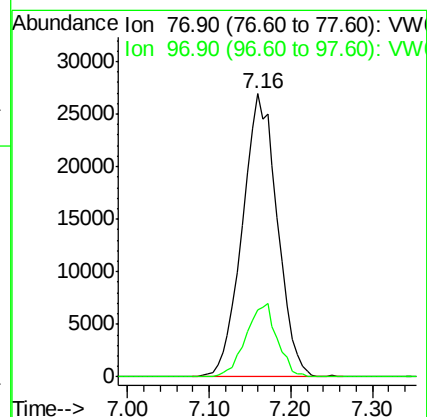
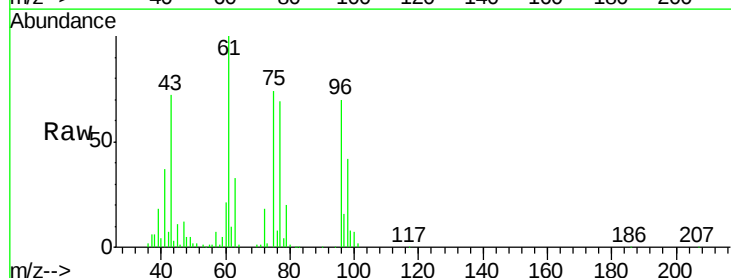
Acq: 20 Sep 2019 13:35

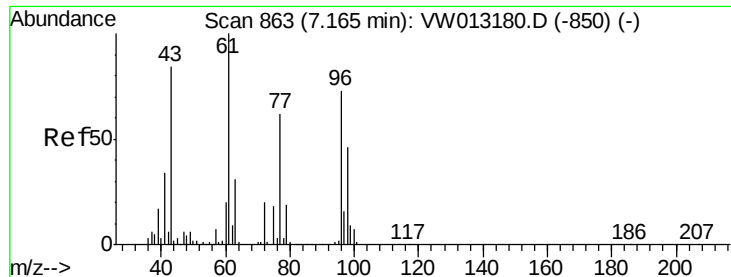
Tgt Ion: 77 Resp: 80362

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.4





#27

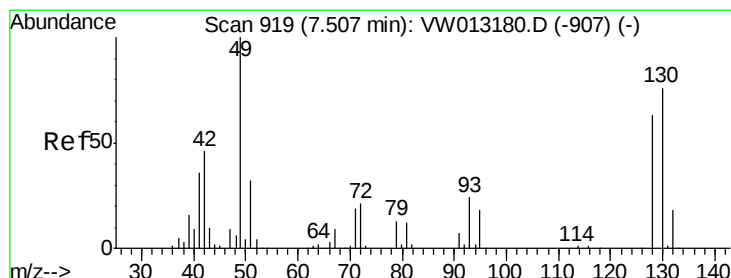
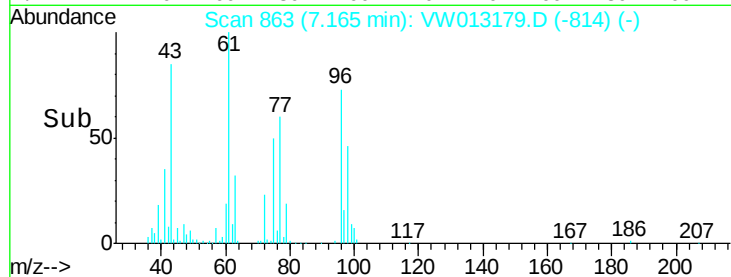
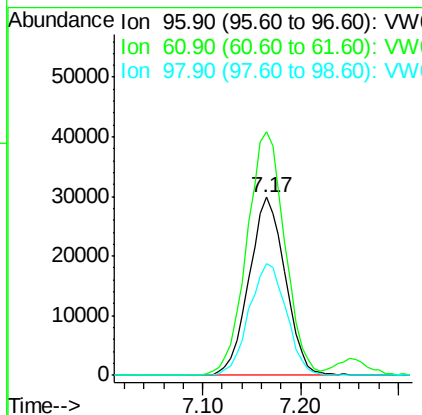
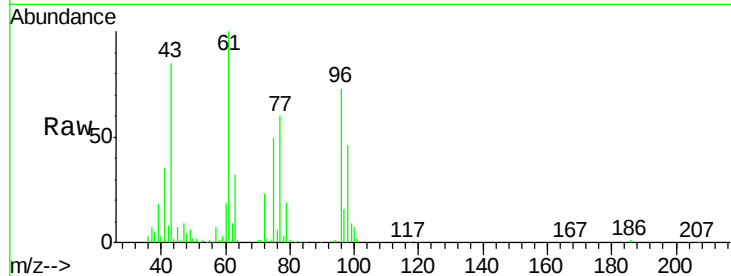
cis-1,2-Dichloroethene
Concen: 22.232 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	0.0	282.4
98	64.6	0.0	128.2

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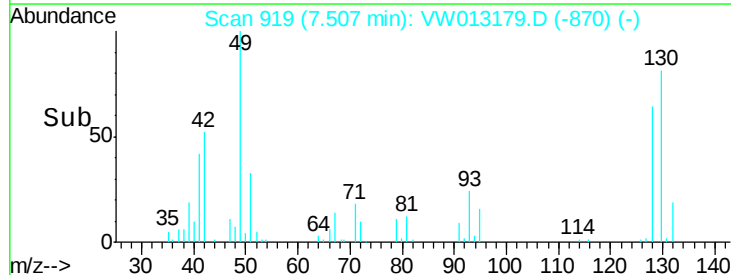
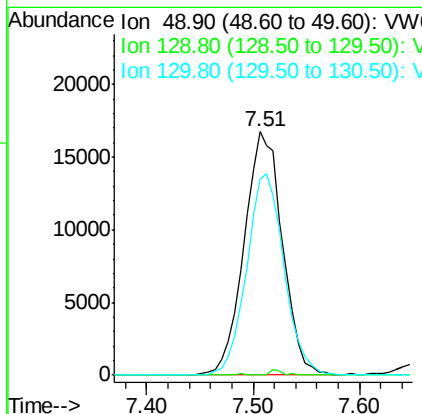
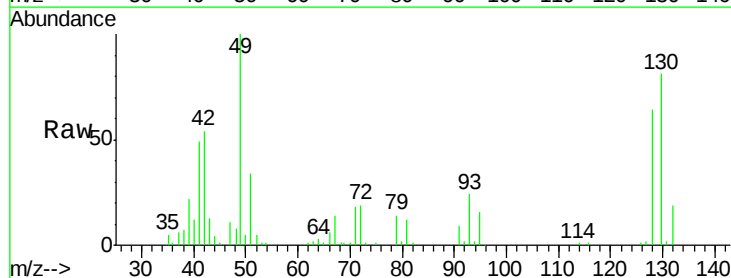
MMDadoda
9/24/2019 5:28:43 AM

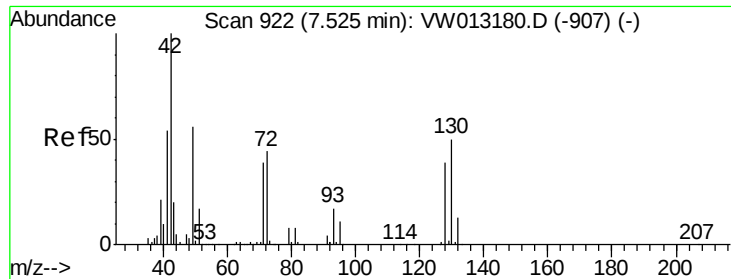


#28

Bromochloromethane
Concen: 16.801 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	81.0	63.4	95.2





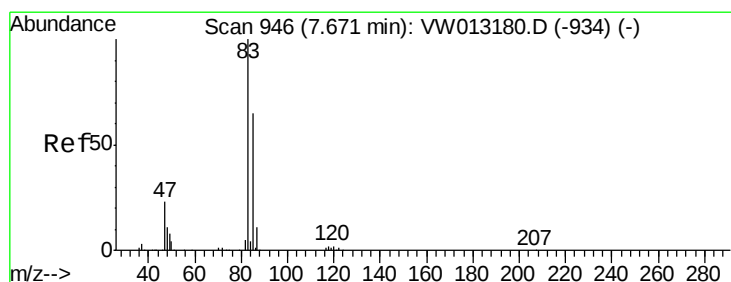
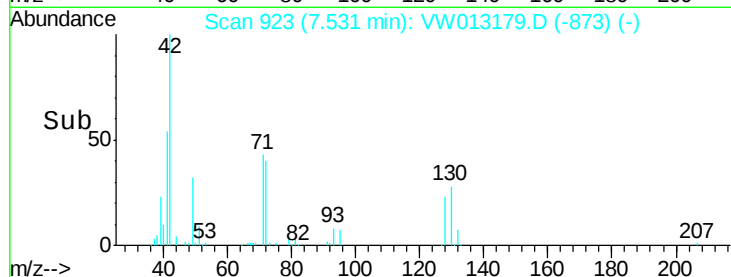
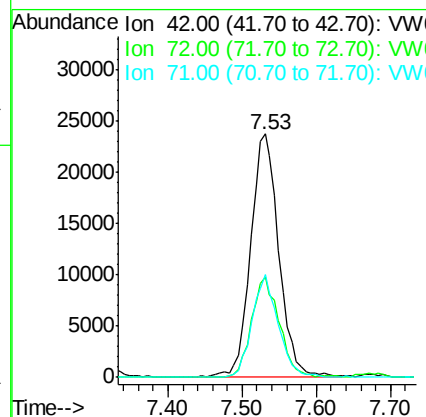
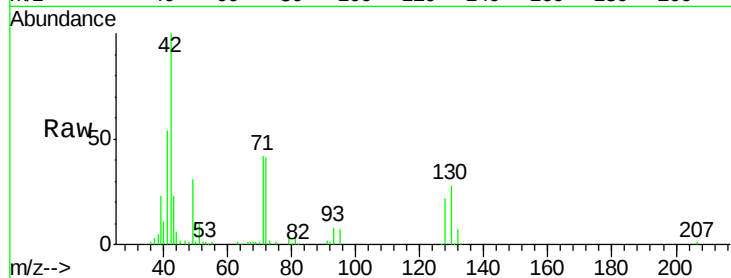
#29
Tetrahydrofuran
Concen: 100.931 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.9	50.9
71	39.2	31.9	47.9

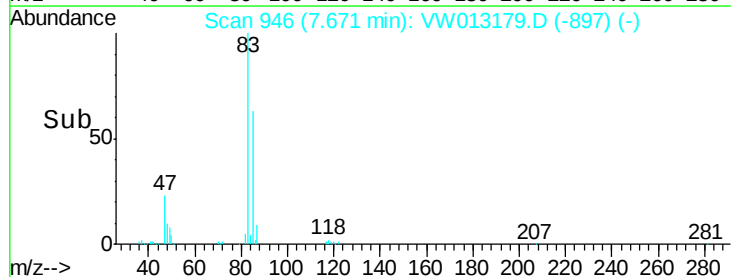
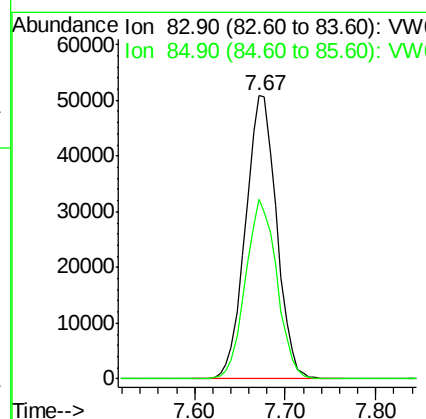
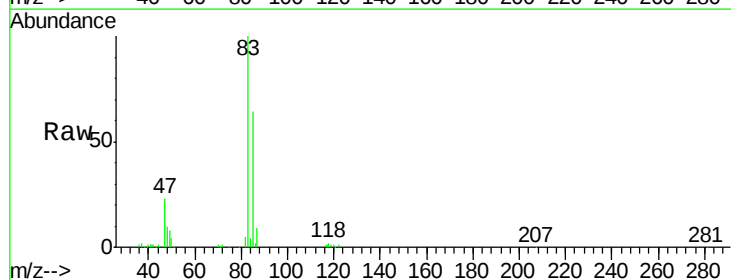
Manual Integrations
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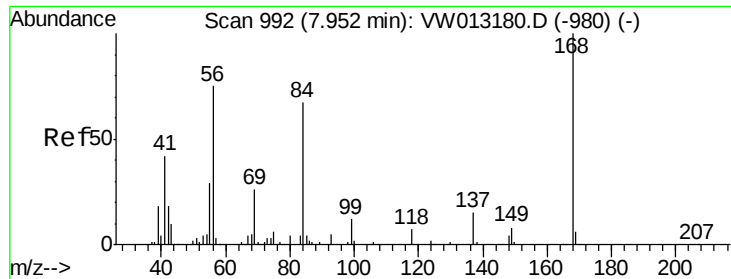
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#30
Chloroform
Concen: 20.085 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.3	78.5





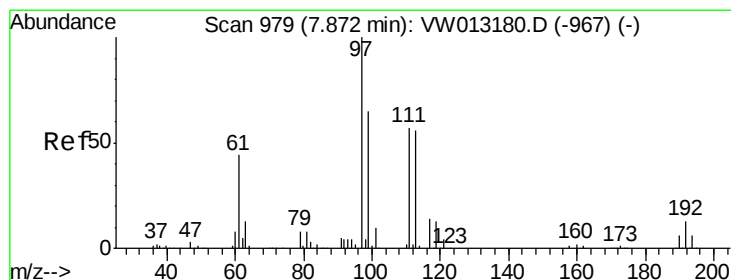
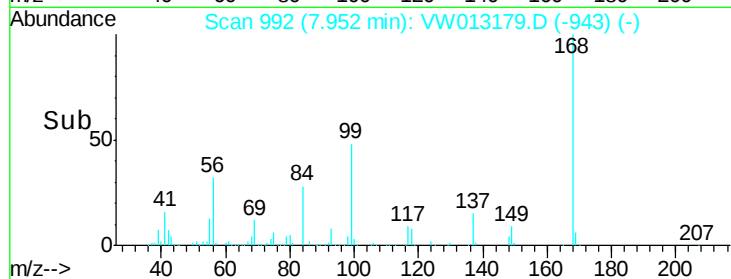
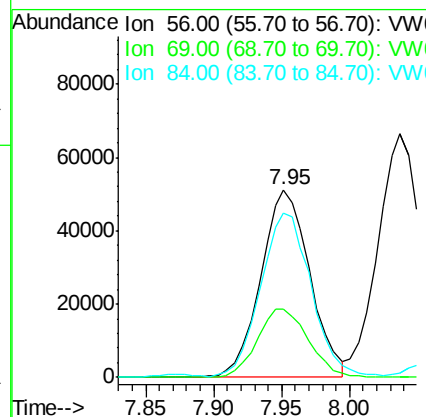
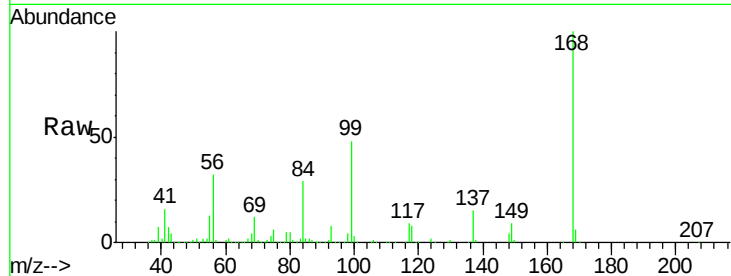
#31
Cyclohexane
Concen: 24.144 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	27.2	40.8
84	87.0	70.8	106.2

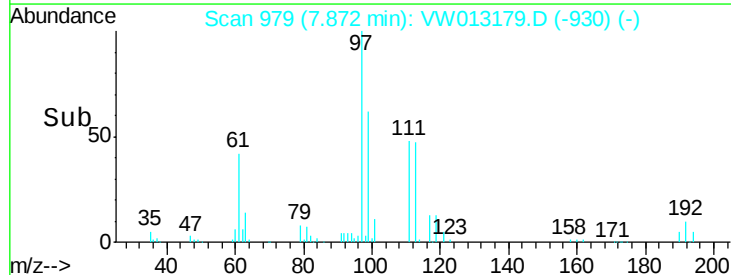
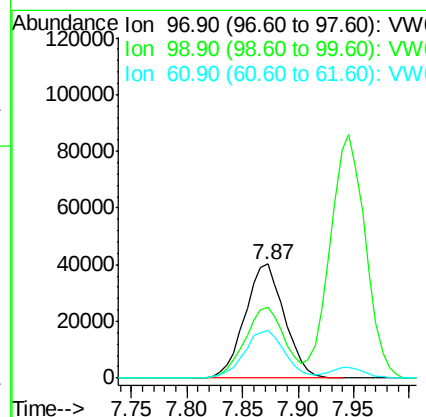
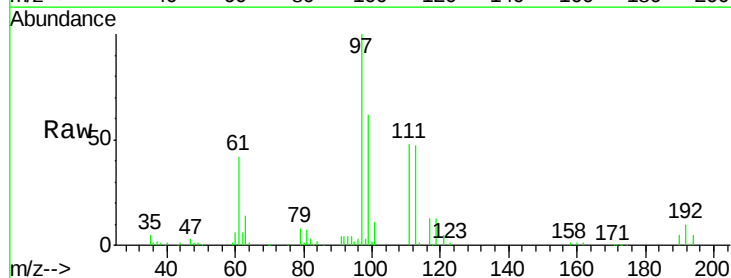
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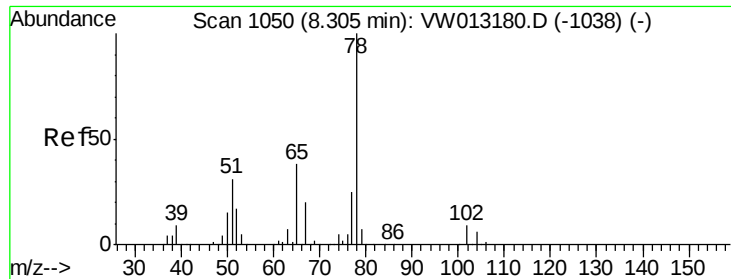
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#32
1,1,1-Trichloroethane
Concen: 19.924 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.7	77.5
61	43.1	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 16.555 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 56001

Ion Ratio Lower Upper

65 100

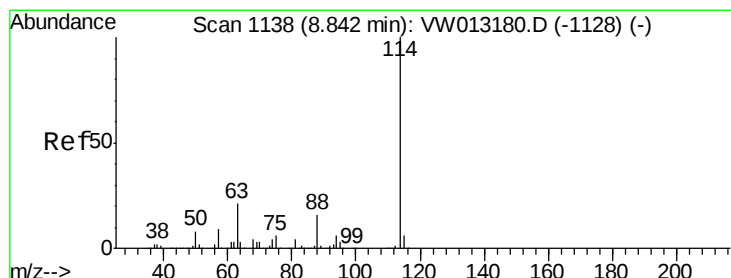
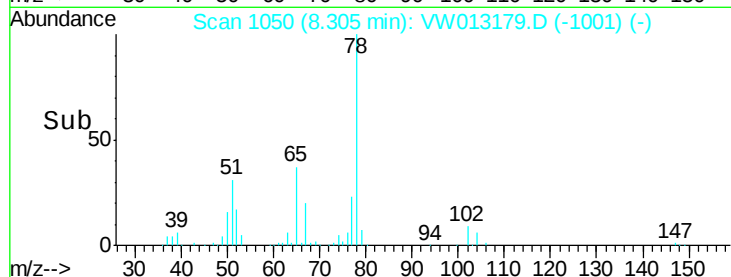
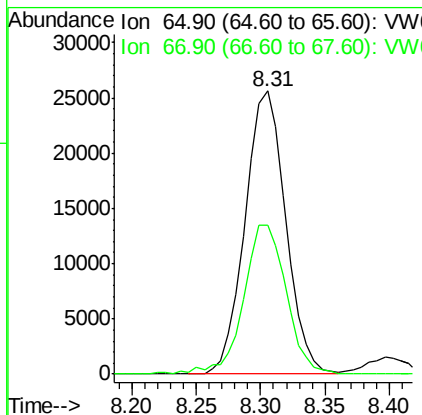
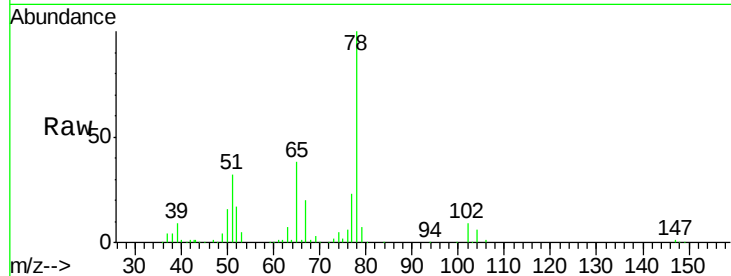
67 55.1 0.0 106.2

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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: VW013179.D

Acq: 20 Sep 2019 13:35

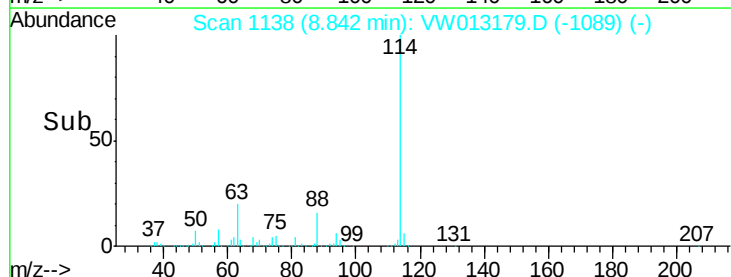
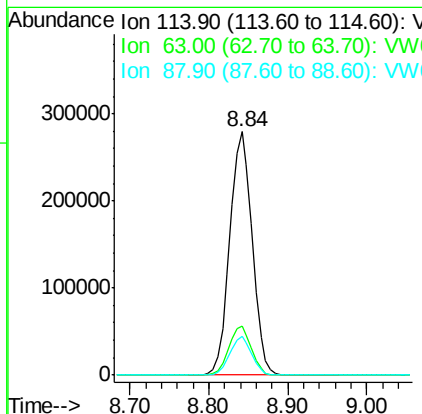
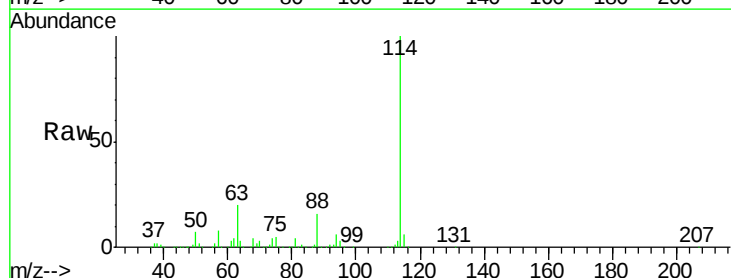
Tgt Ion: 114 Resp: 550978

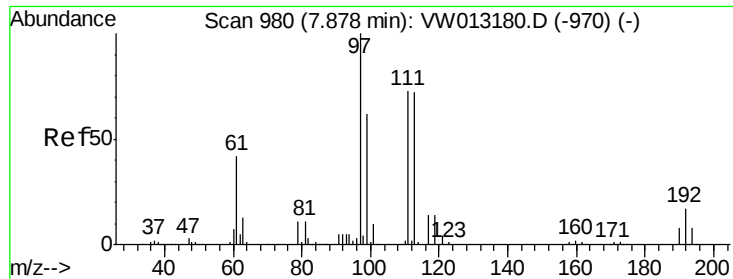
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

88 16.0 0.0 32.0





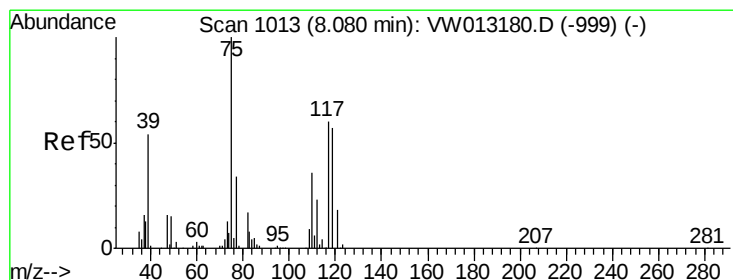
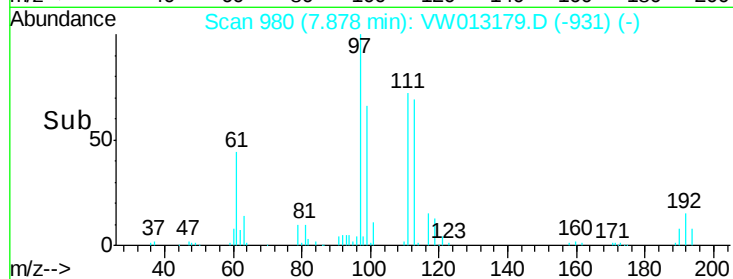
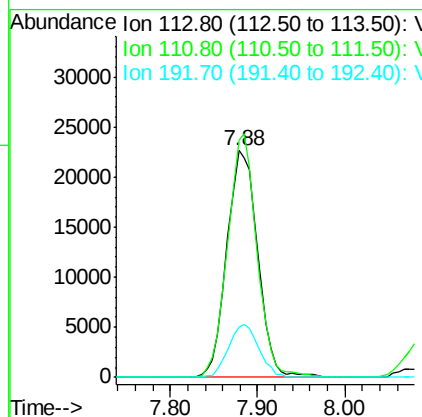
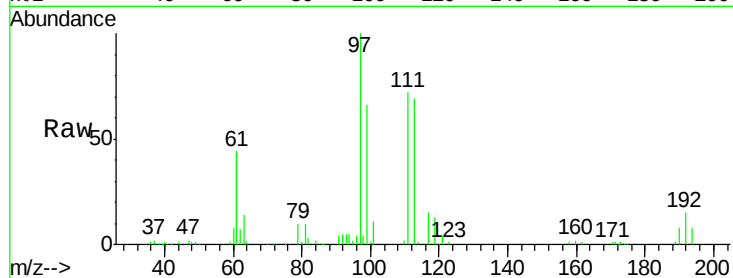
#35
 Dibromofluoromethane
 Concen: 18.733 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	55809		
111	101.7	81.9	122.9	
192	22.9	19.1	28.7	

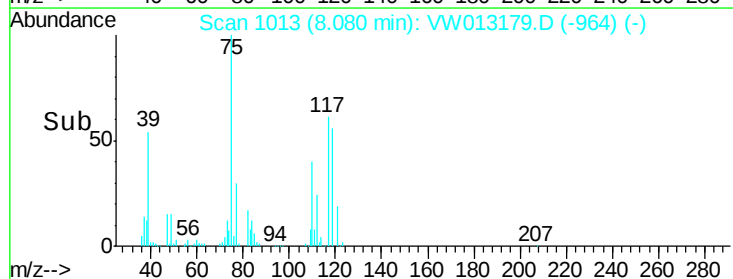
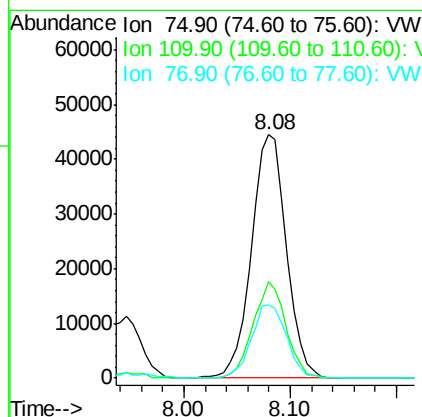
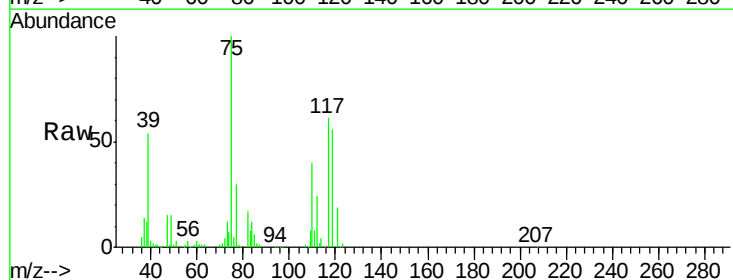
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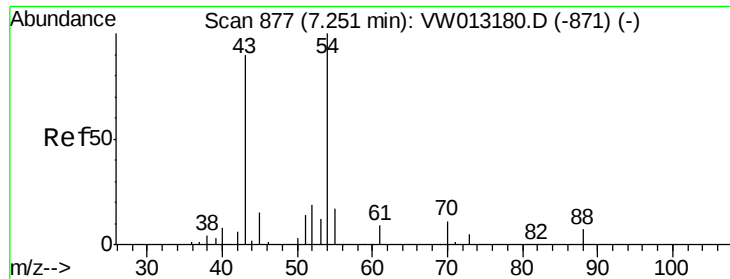
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#36
 1,1-Dichloropropene
 Concen: 22.610 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102716		
110	37.2	18.1	54.3	
77	30.4	25.8	38.6	





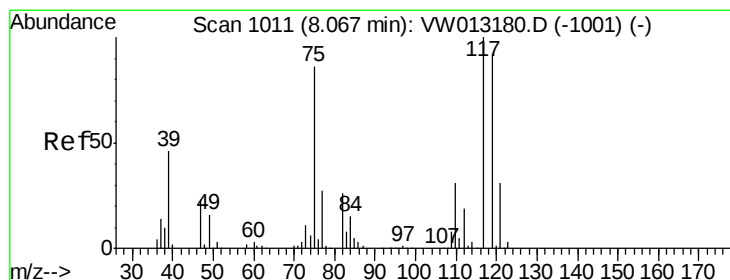
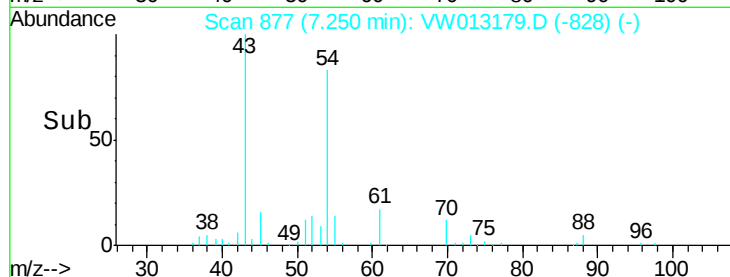
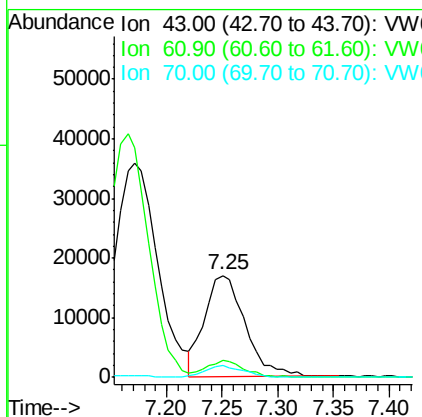
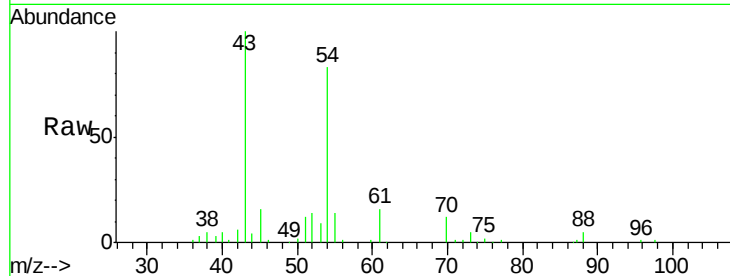
#37
Ethyl Acetate
Concen: 18.673 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	43158
Ion	Ratio	Lower	Upper
43	100		
61	15.8	10.9	16.3
70	11.1	8.2	12.2

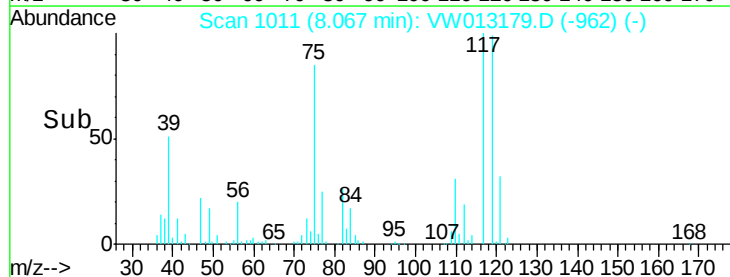
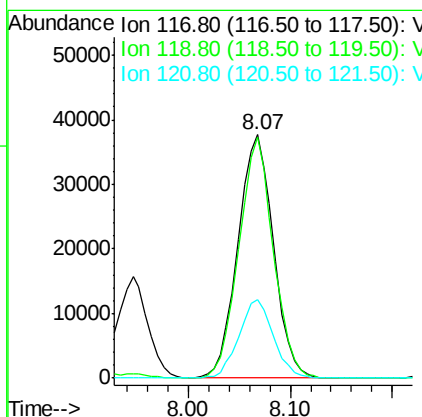
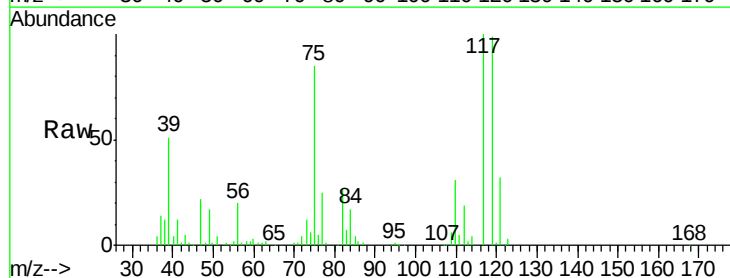
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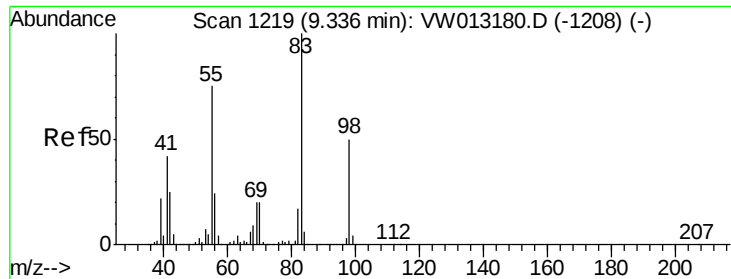
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#38
Carbon Tetrachloride
Concen: 20.032 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	117	Resp	91219
Ion	Ratio	Lower	Upper
117	100		
119	99.0	73.5	110.3
121	32.0	25.0	37.6





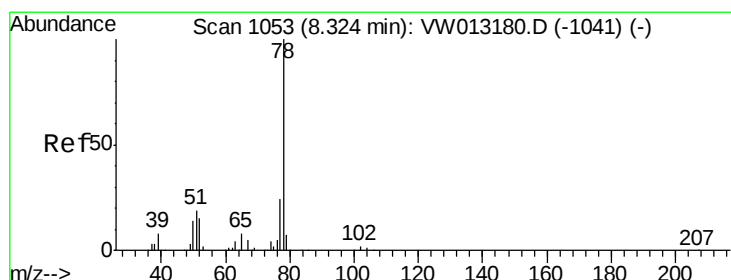
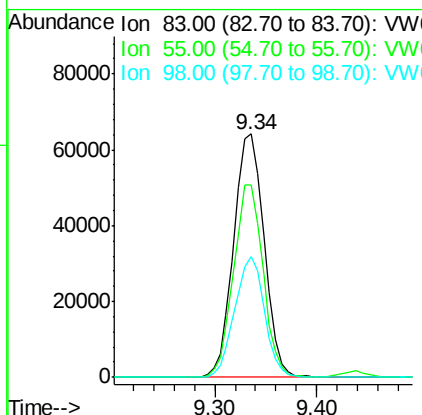
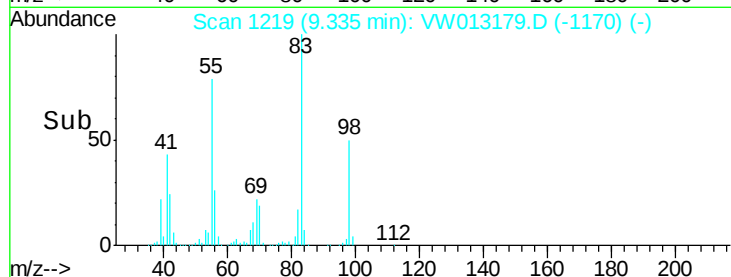
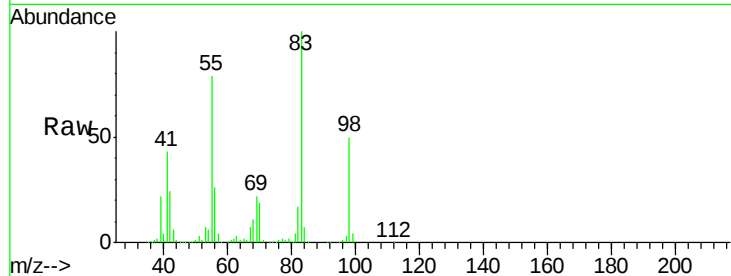
#39
Methvlcvclohexane
Concen: 25.672 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	132947		
55	78.8		60.4	90.6
98	49.5		40.0	60.0

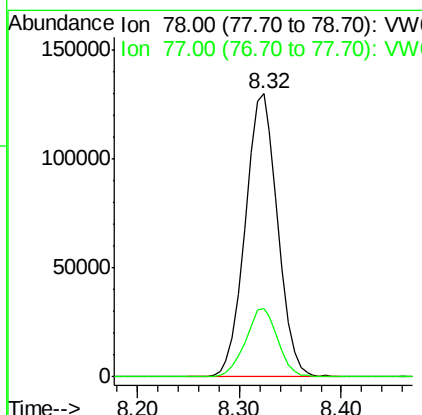
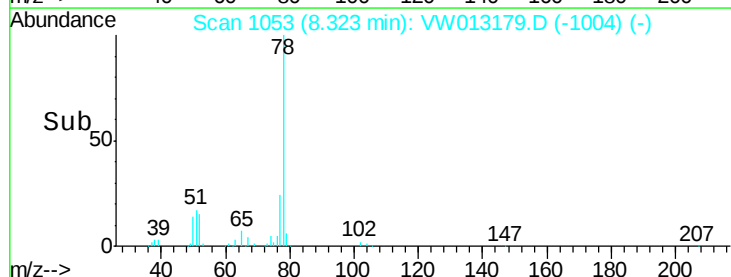
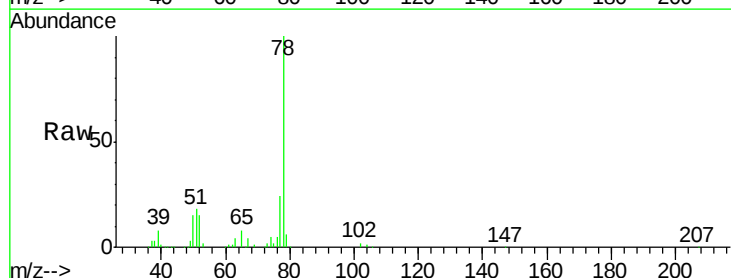
Manual Integrations
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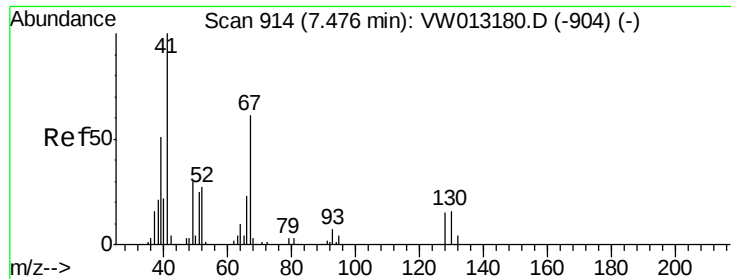
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#40
Benzene
Concen: 22.674 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	287576		
77	24.3		19.1	28.7





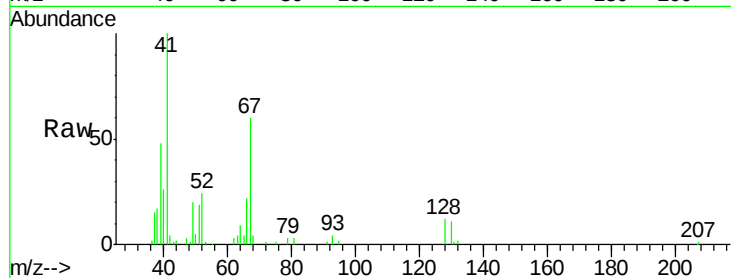
#41
Methacrylonitrile
Concen: 17.230 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

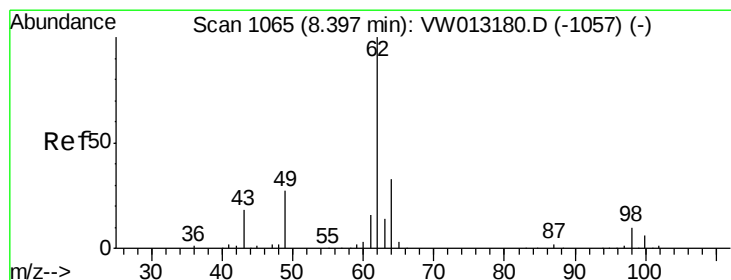
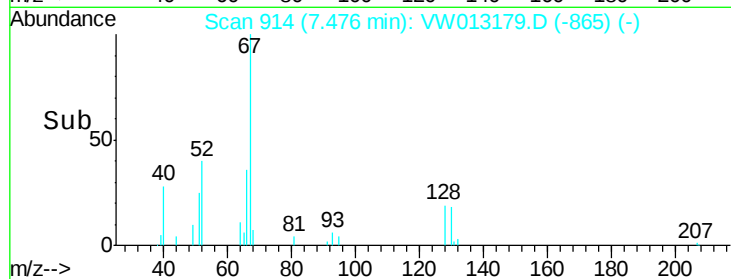
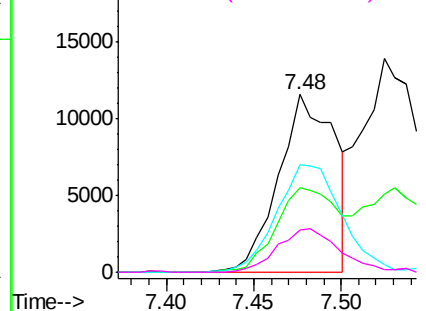
Tot Ion	41	Resp	25949
Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.9	68.9
67	70.8	54.5	81.7
52	27.6	22.5	33.7

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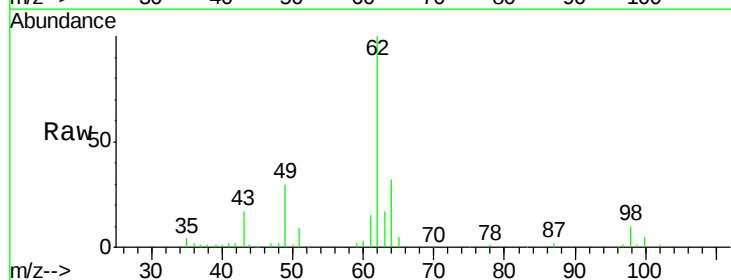


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

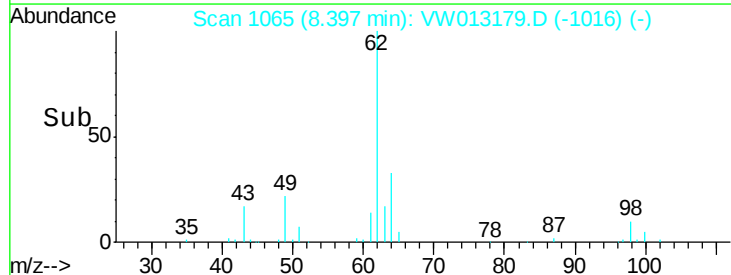
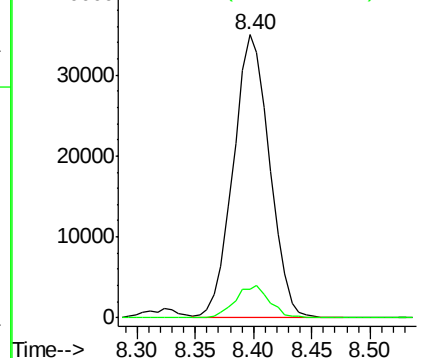


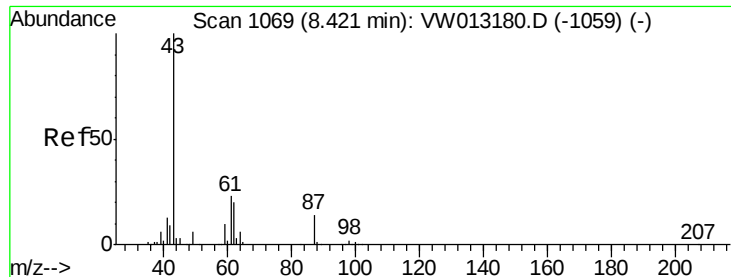
#42
1,2-Dichloroethane
Concen: 18.467 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	62	Resp	75503
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.524 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

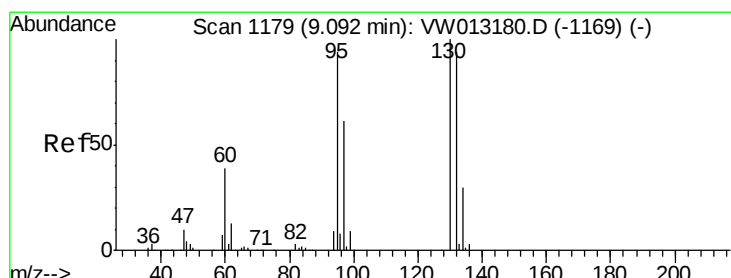
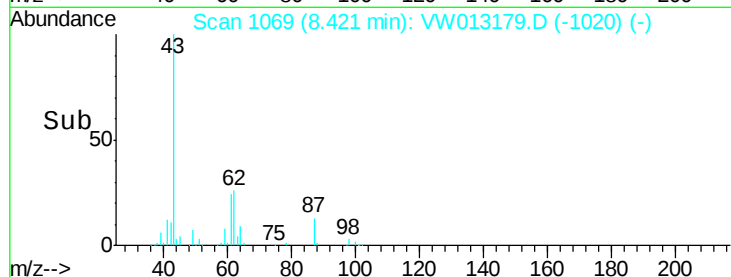
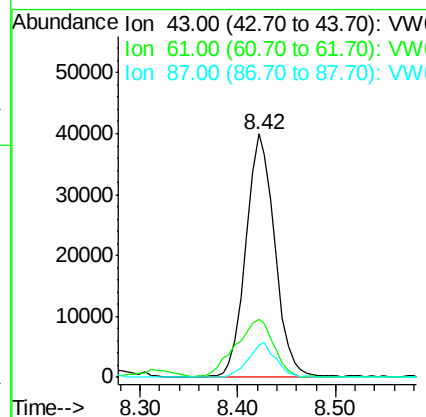
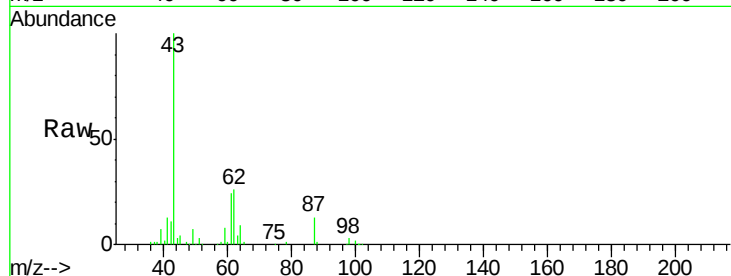
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	81944
Ion	Ratio	Lower	Upper
43	100		
61	31.6	25.5	38.3
87	13.5	11.0	16.4

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#44

Trichloroethene

Concen: 22.737 ug/l

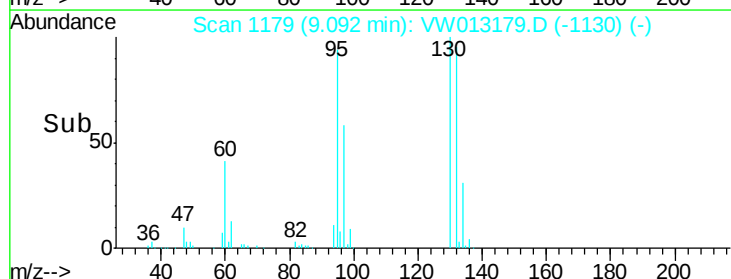
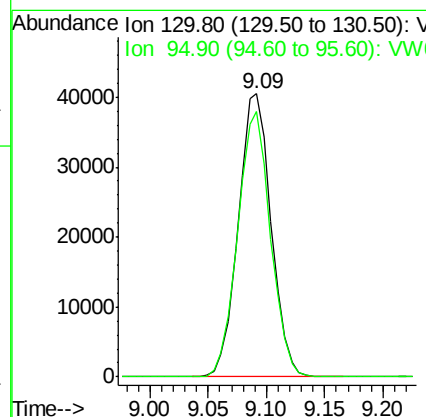
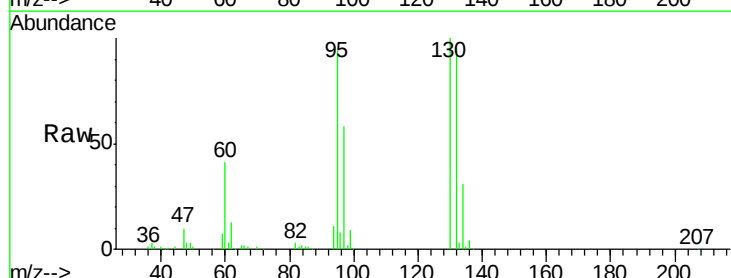
RT: 9.09 min Scan# 1179

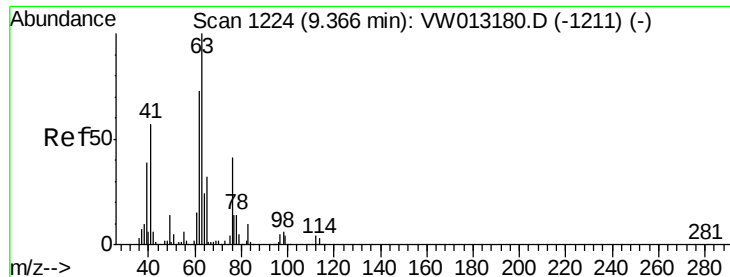
Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion:	130	Resp:	79522
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.761 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 68682

Ion Ratio Lower Upper

63 100

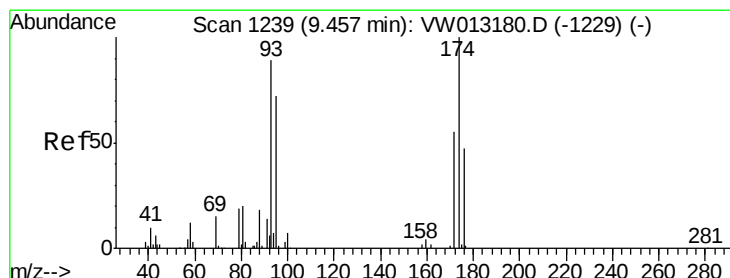
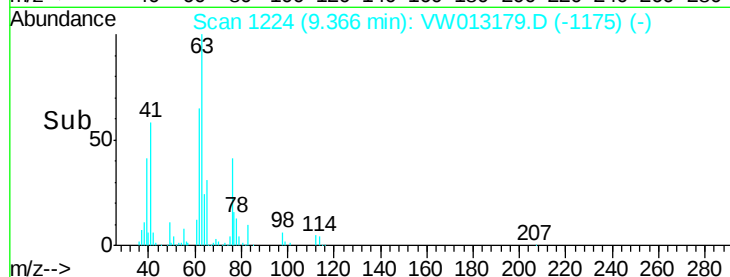
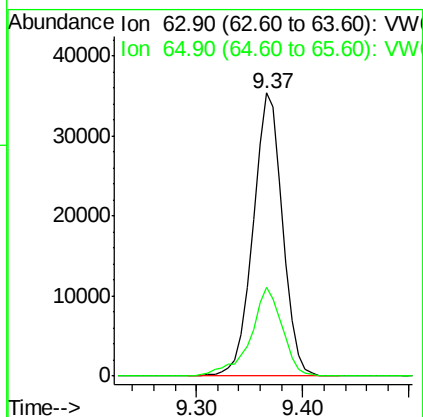
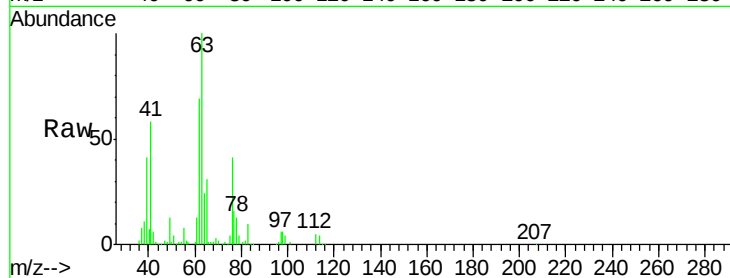
65 31.4 25.3 37.9

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#46

Dibromomethane

Concen: 21.095 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

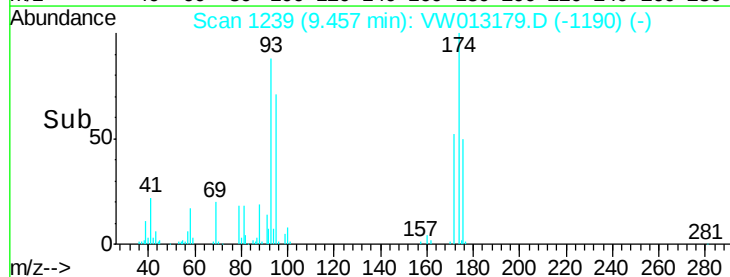
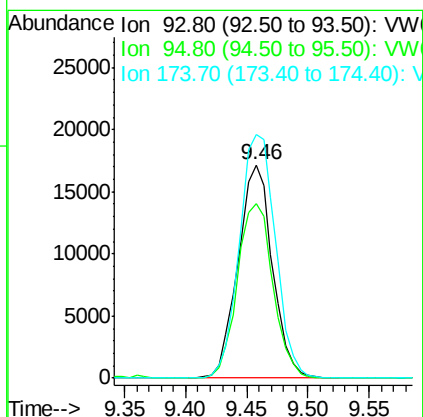
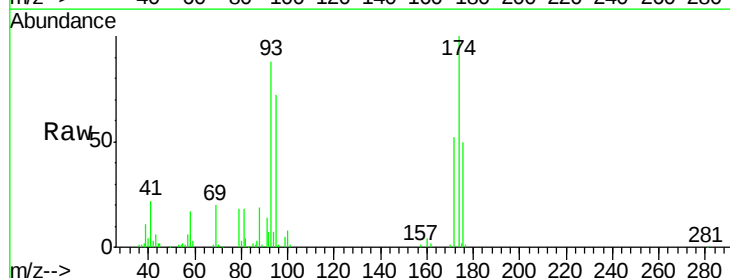
Tgt Ion: 93 Resp: 33516

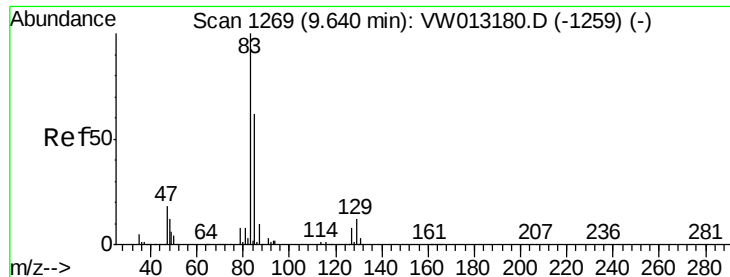
Ion Ratio Lower Upper

93 100

95 84.8 66.4 99.6

174 120.3 93.0 139.6





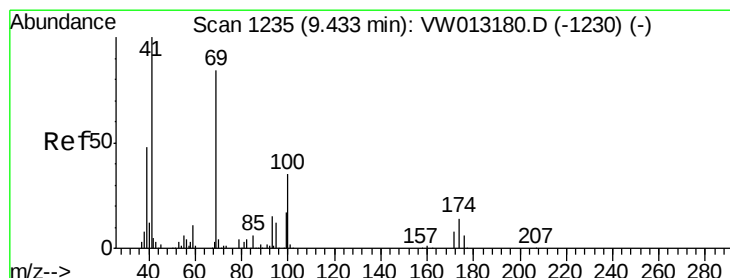
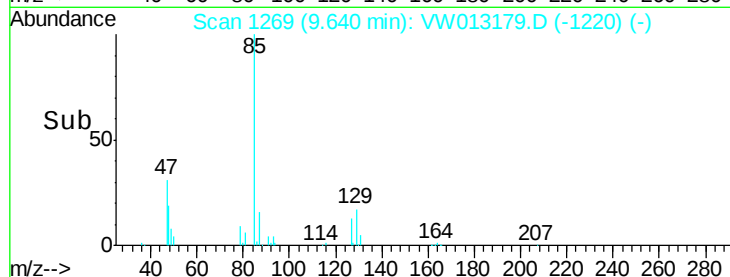
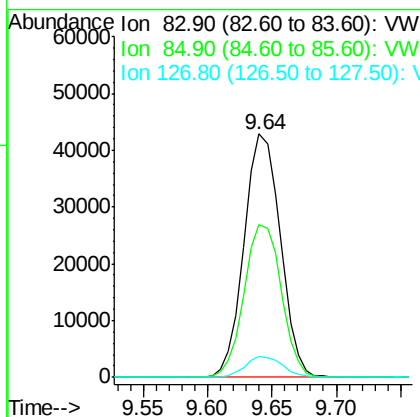
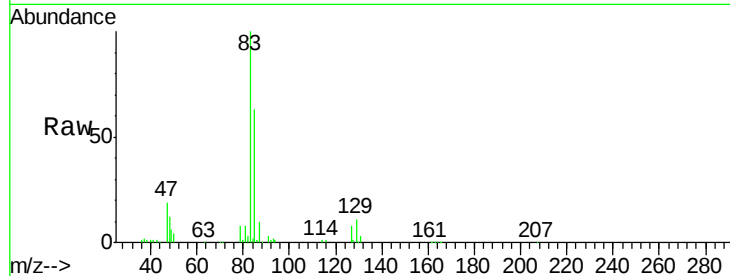
#47
Bromodichloromethane
Concen: 19.112 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	83720		
85	62.7		49.4	74.2
127	8.3		6.5	9.7

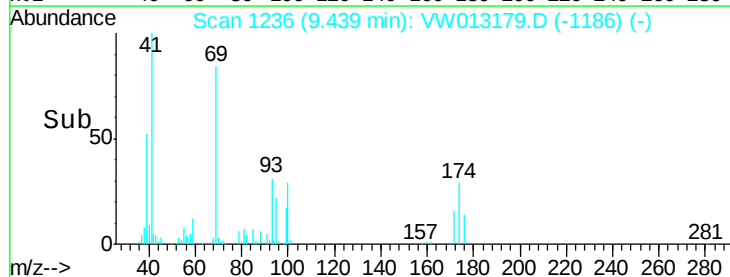
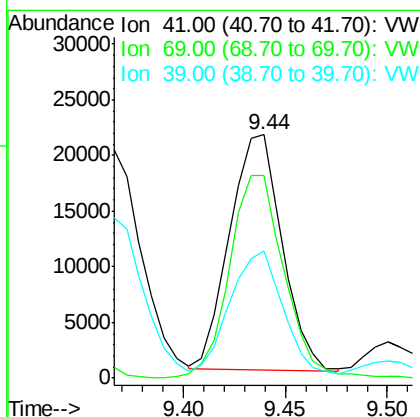
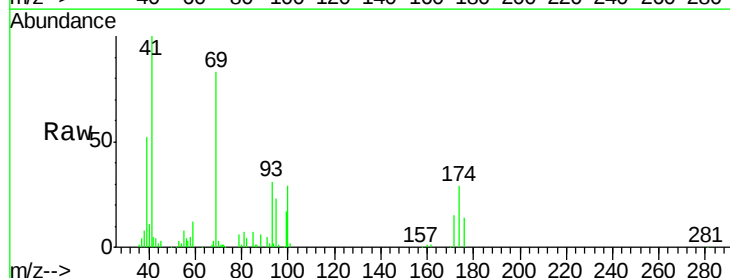
Manual Integrations
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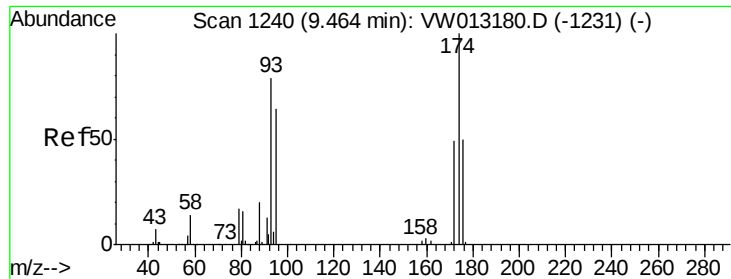
MMDadoda
9/24/2019 5:28:43 AM



#48
Methyl methacrylate
Concen: 18.168 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	37803		
69	90.4		69.7	104.5
39	51.9		41.1	61.7





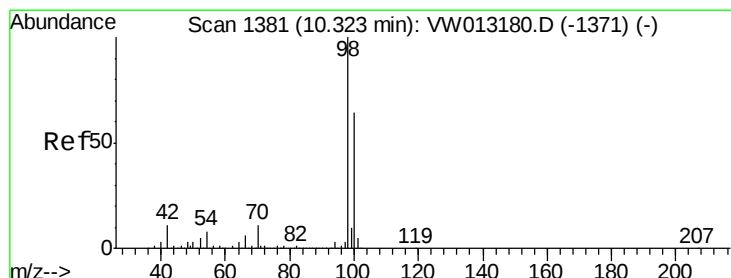
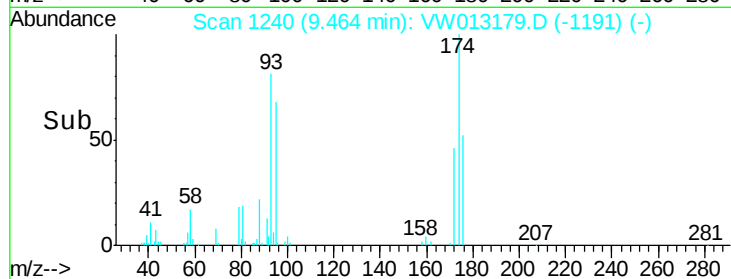
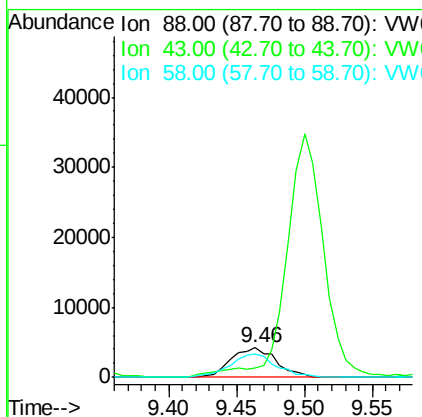
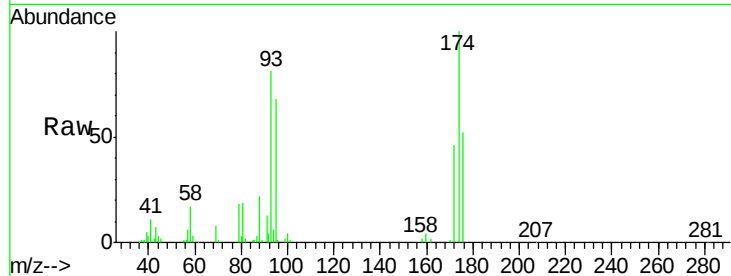
#49
1,4-Dioxane
Concen: 387.017 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	81.1	65.4	98.0

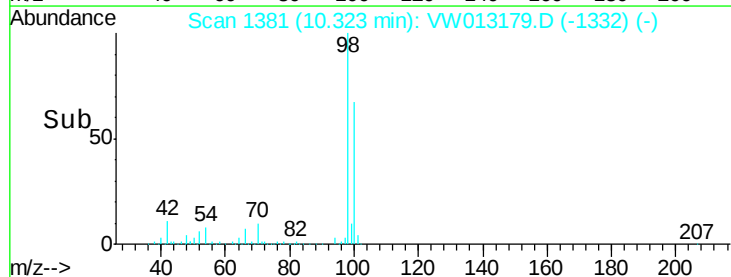
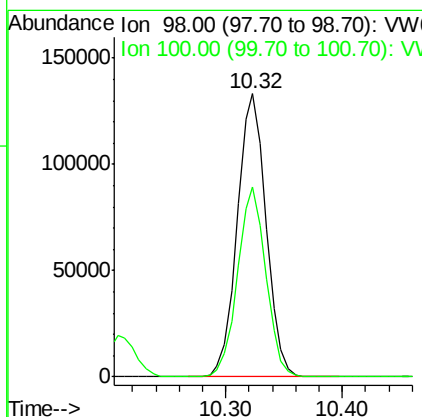
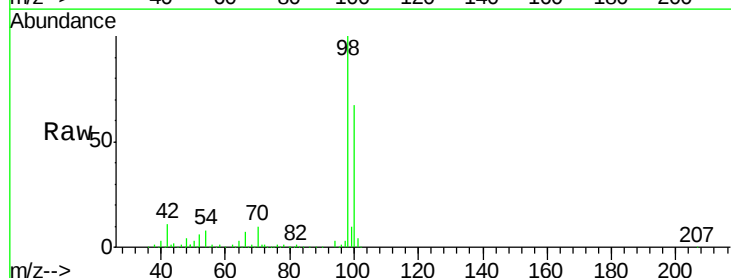
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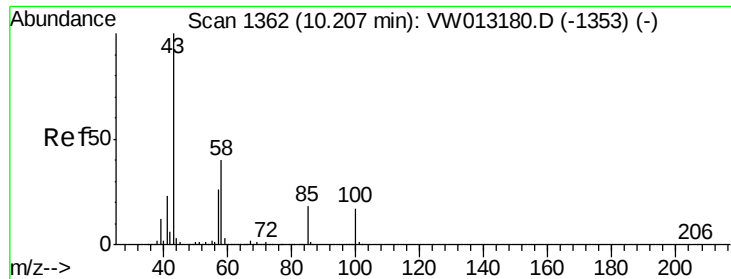
MMDadoda
9/24/2019 5:28:43 AM



#50
Toluene-d8
Concen: 19.546 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 90.863 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 206652

Ion Ratio Lower Upper

43 100

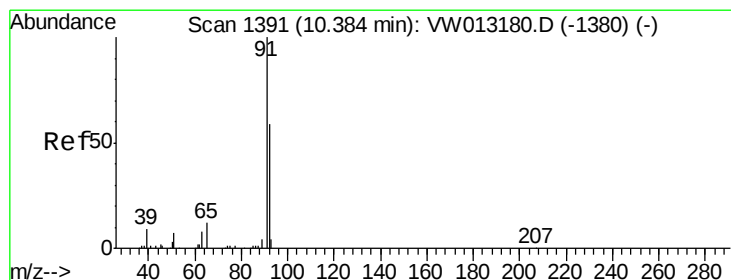
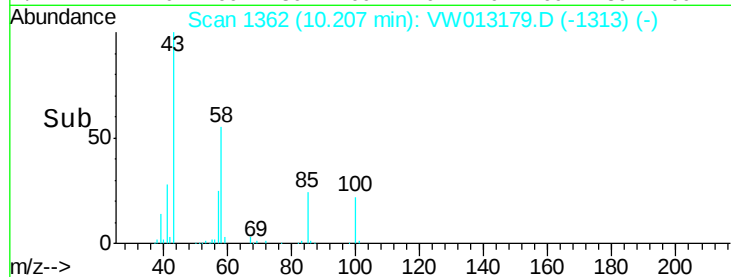
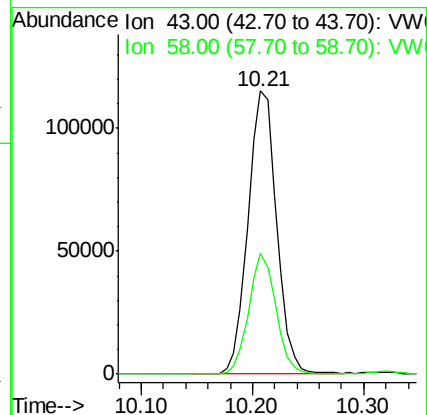
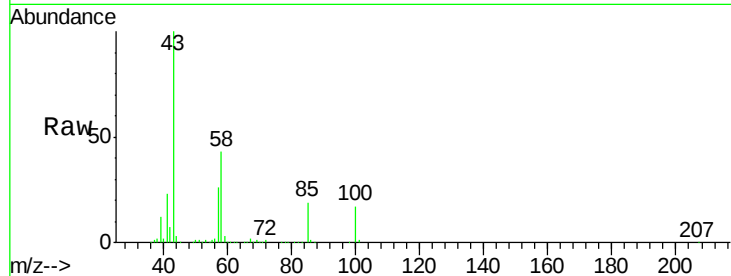
58 40.5 31.7 47.5

Manual Integrations

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#52

Toluene

Concen: 22.670 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013179.D

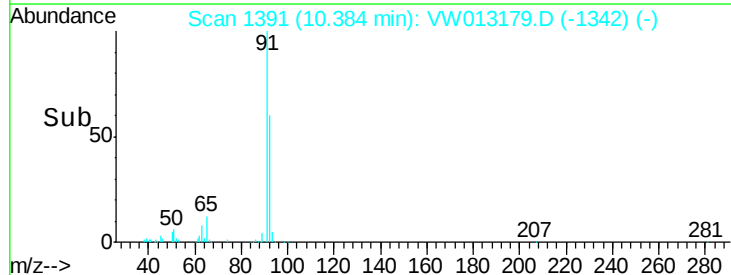
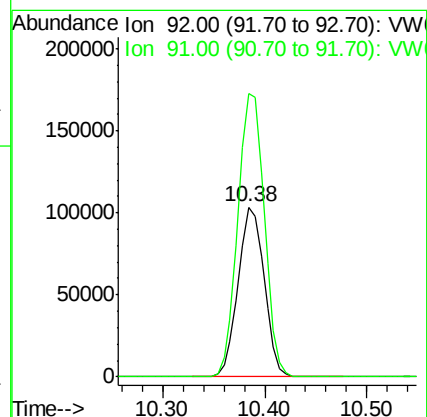
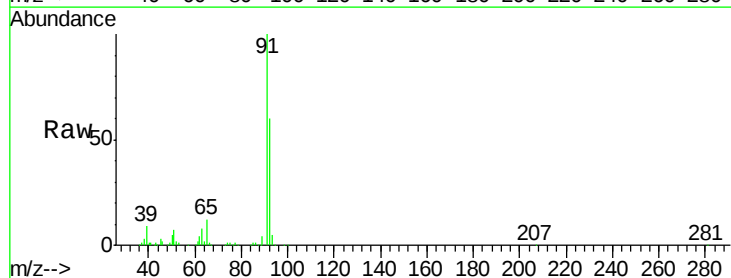
Acq: 20 Sep 2019 13:35

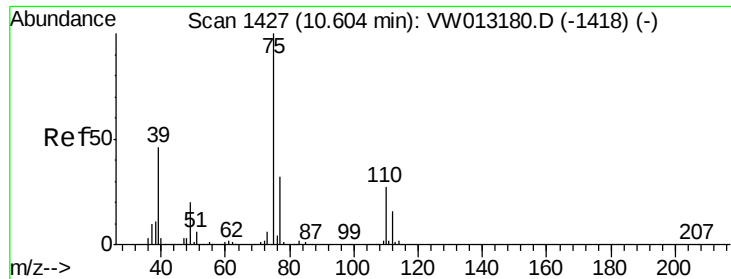
Tgt Ion: 92 Resp: 182880

Ion Ratio Lower Upper

92 100

91 169.4 135.7 203.5





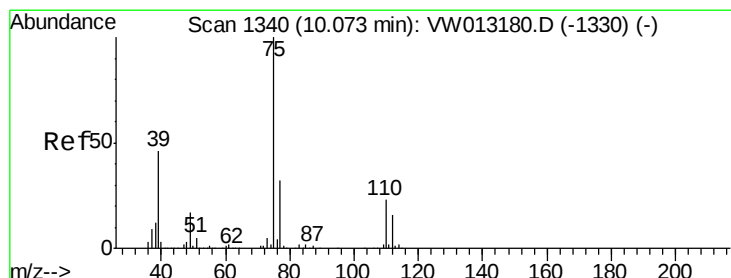
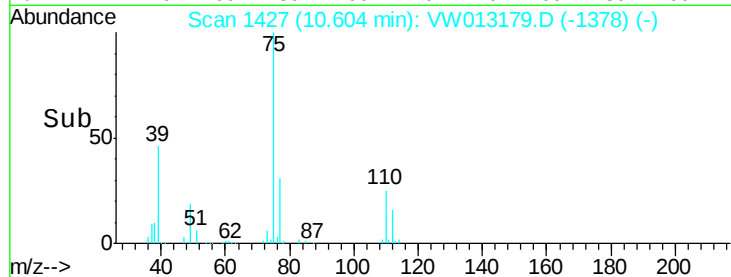
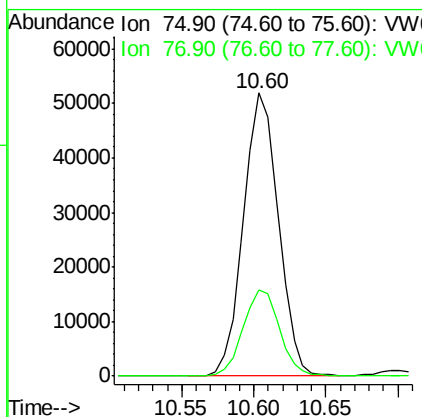
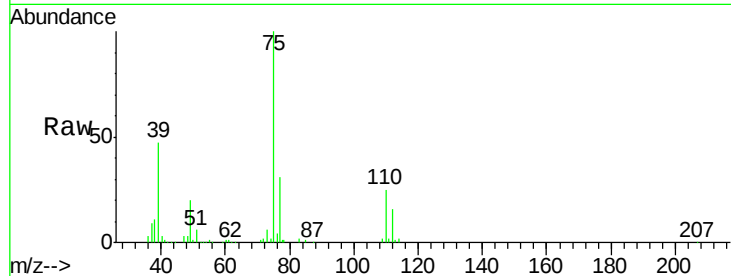
#53
 t-1,3-Dichloropropene
 Concen: 19.719 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	75	Resp	87347
Ion Ratio	Lower	Upper	
75	100		
77	30.4	25.5	38.3

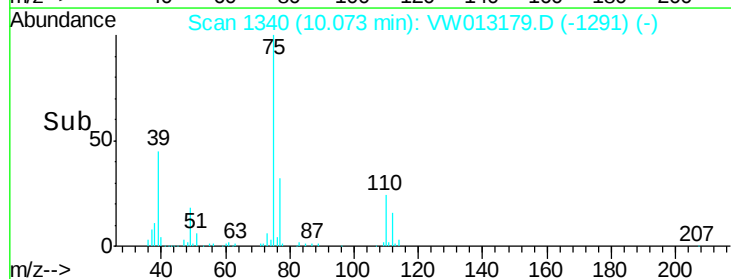
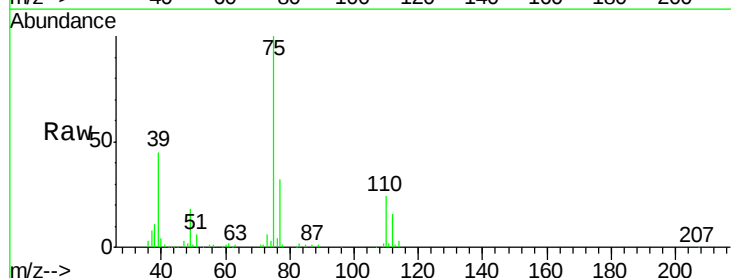
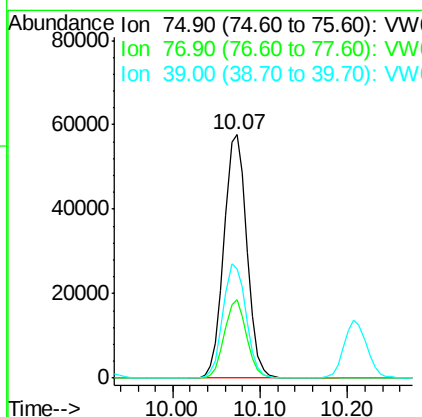
Manual Integrations
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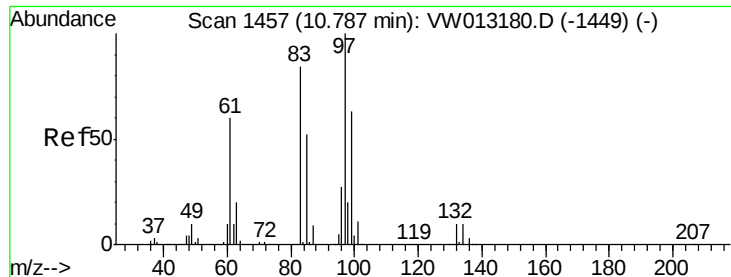
MMDadoda
 9/24/2019 5:28:43 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.528 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	75	Resp	104987
Ion Ratio	Lower	Upper	
75	100		
77	32.2	25.2	37.8
39	44.8	36.6	55.0





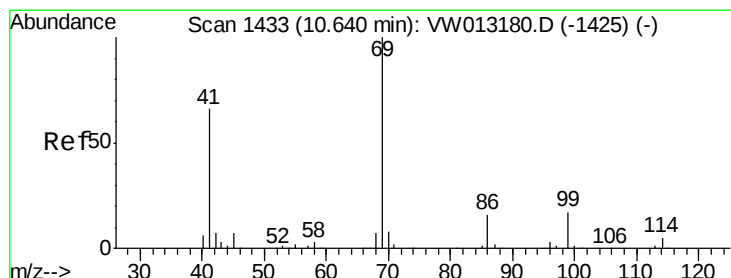
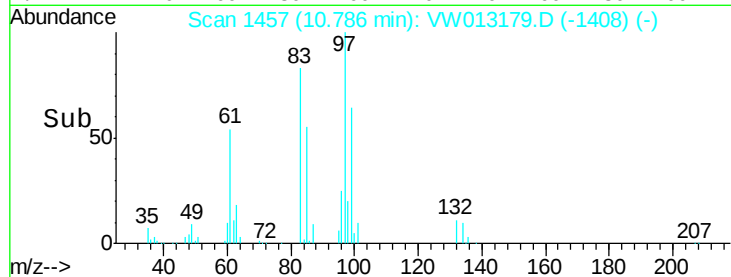
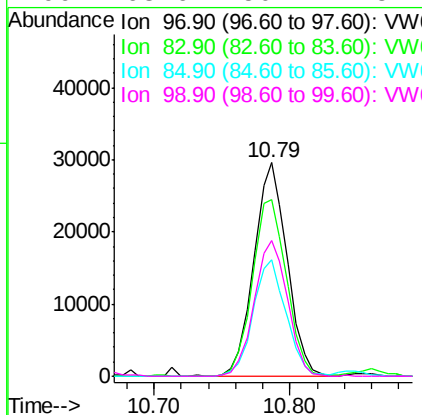
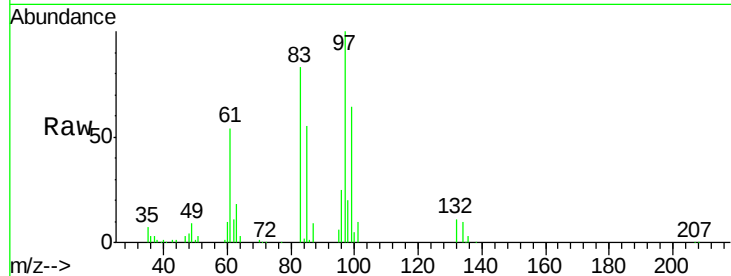
#55
1,1,2-Trichloroethane
Concen: 20.975 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	97	Resp:	50595
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.6	101.4
85	54.6	41.9	62.9
99	63.6	50.1	75.1

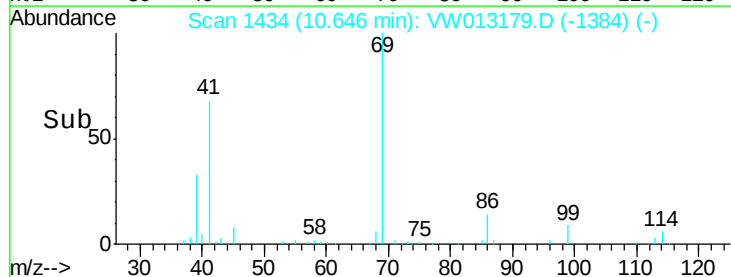
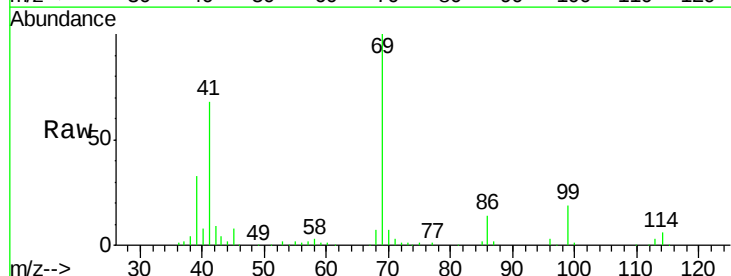
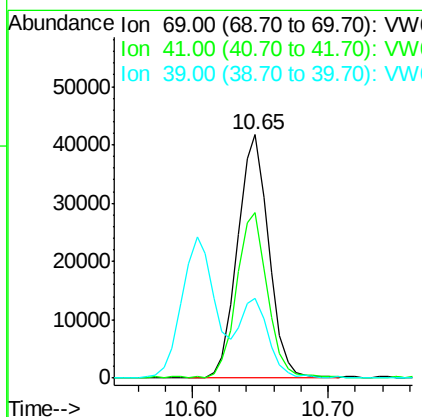
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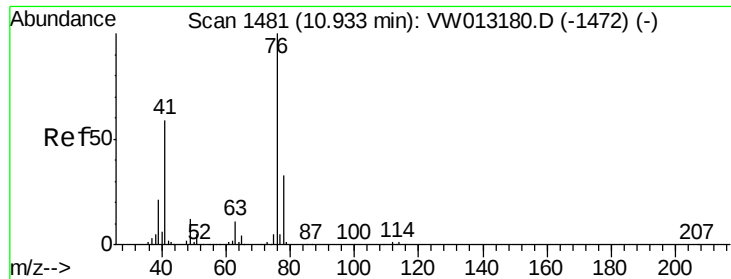
MMDadoda
9/24/2019 5:28:43 AM



#56
Ethyl methacrylate
Concen: 20.721 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion:	69	Resp:	66879
Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.9	80.9
39	29.8	23.8	35.6





#57

1,3-Dichloropropane

Concen: 20.476 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 87381

Ion Ratio Lower Upper

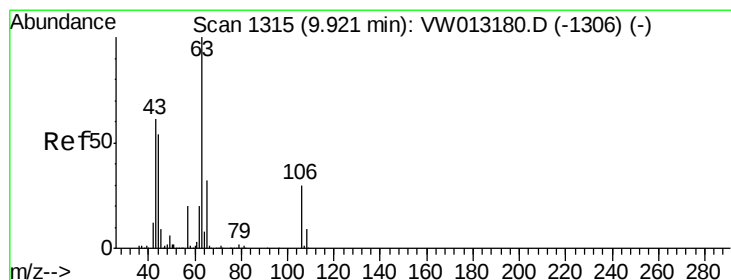
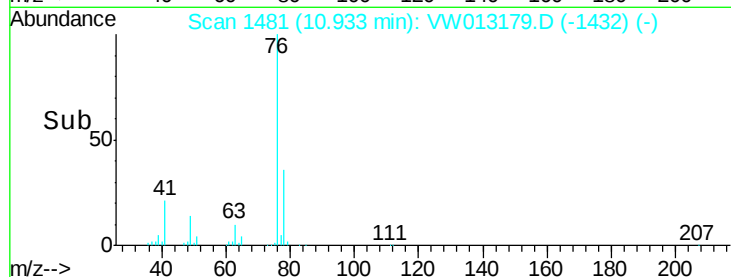
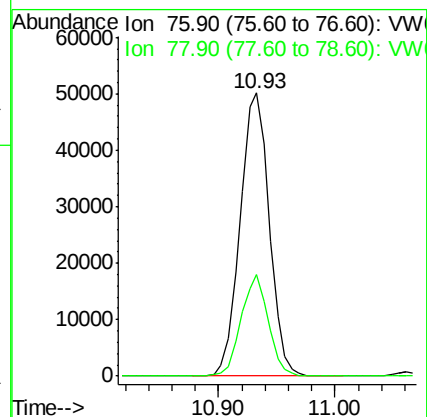
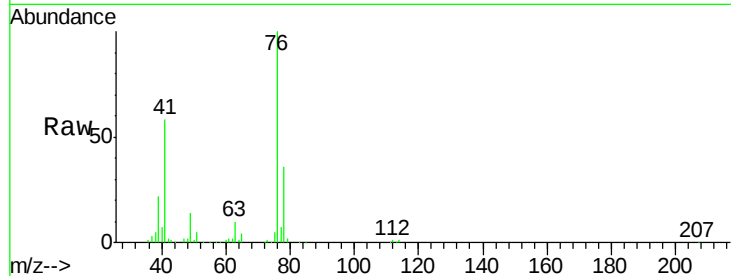
76 100

78 33.4 25.5 38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 86.311 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013179.D

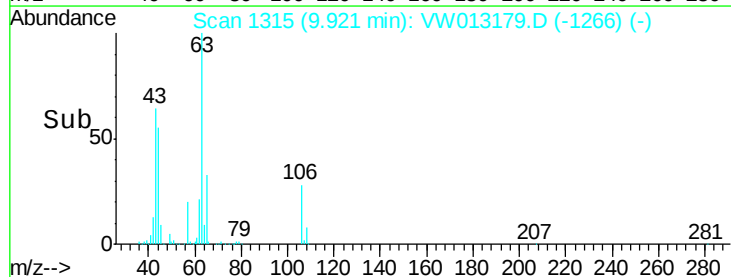
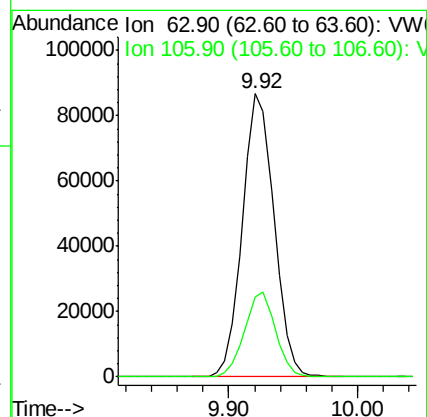
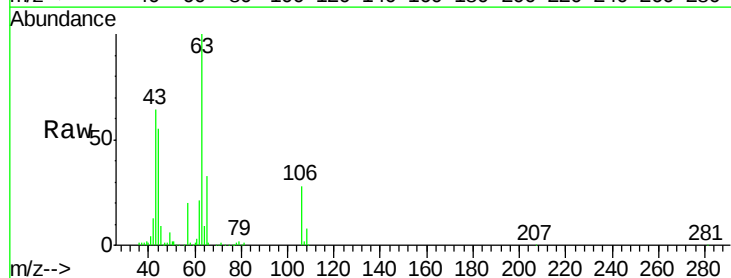
Acq: 20 Sep 2019 13:35

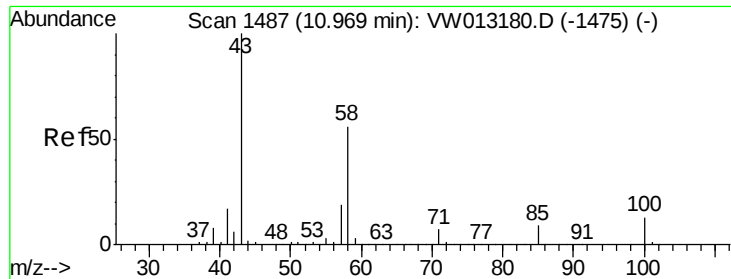
Tgt Ion: 63 Resp: 147377

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.0





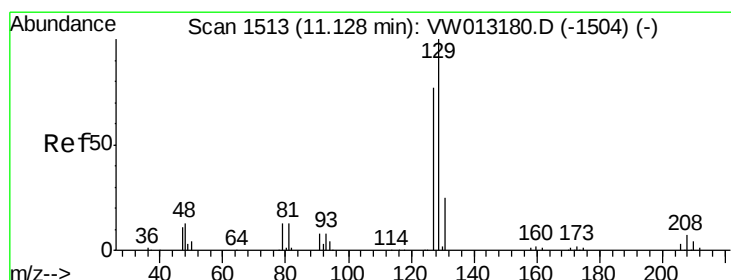
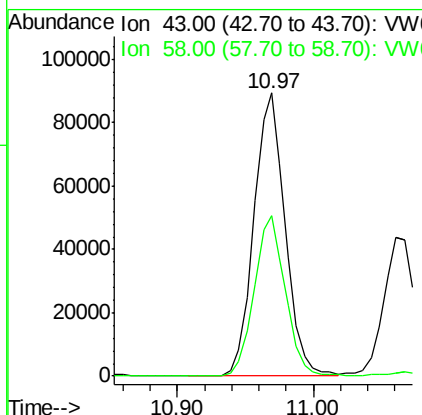
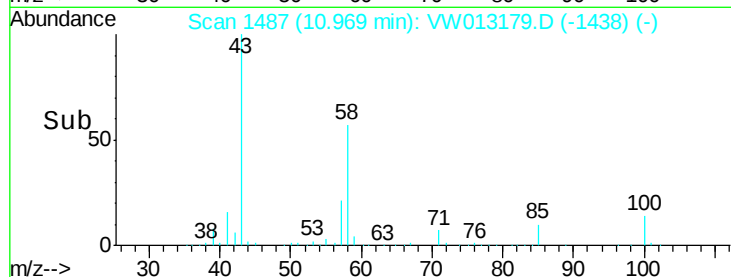
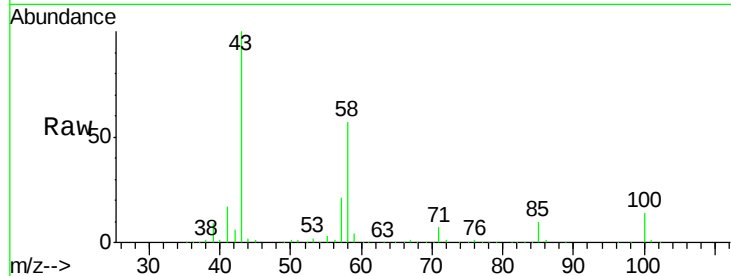
#59
2-Hexanone
Concen: 91.561 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 144238
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.2

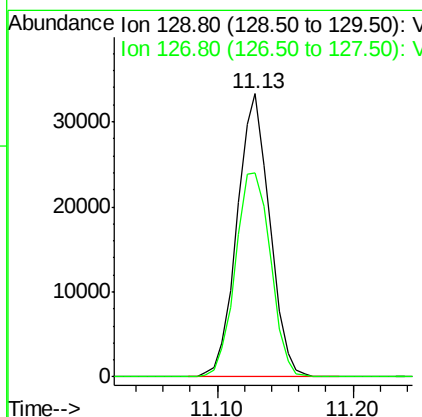
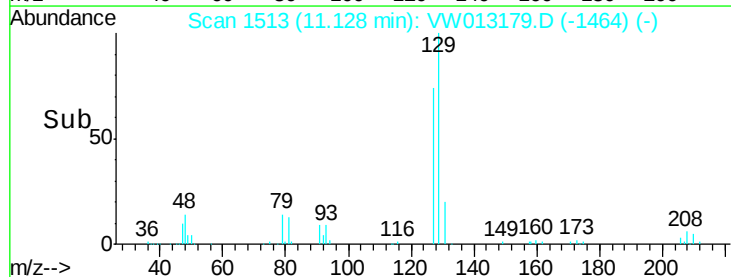
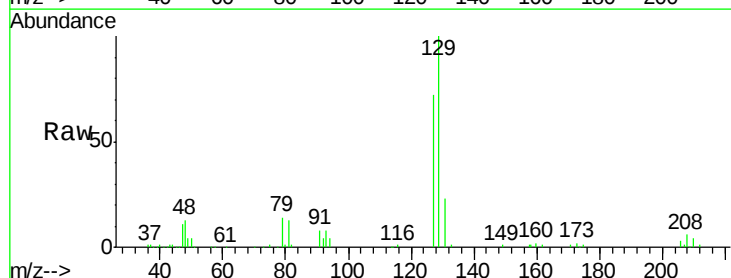
Manual Integrations
APPROVED

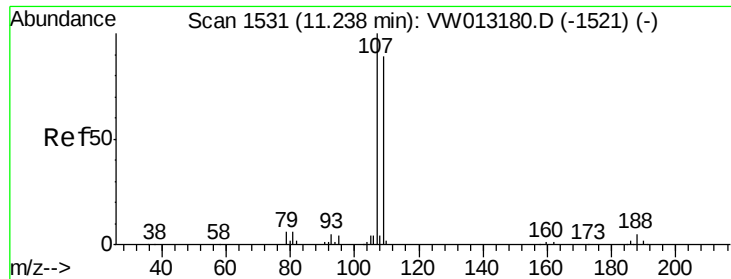
MMDadoda
9/24/2019 5:28:43 AM



#60
Dibromochloromethane
Concen: 19.382 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 129 Resp: 55842
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.4





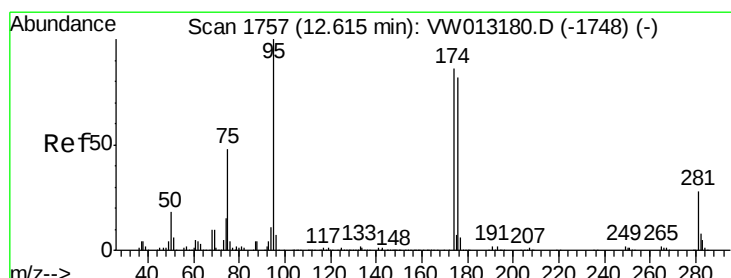
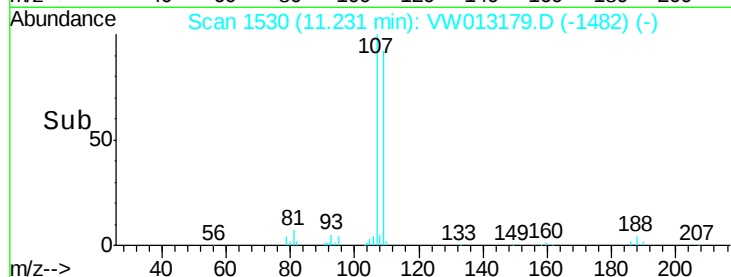
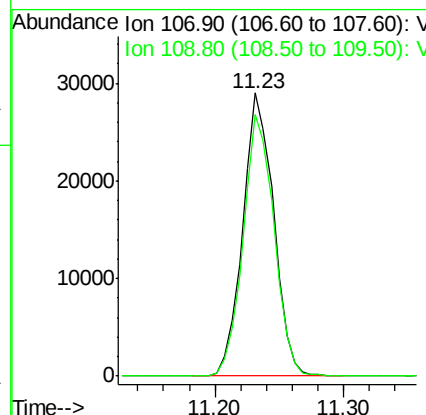
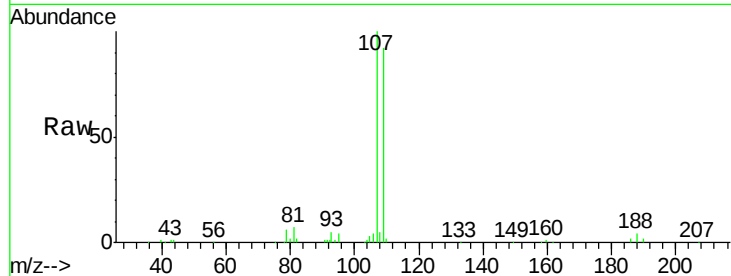
#61
 1,2-Dibromoethane
 Concen: 21.715 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.2	112.8

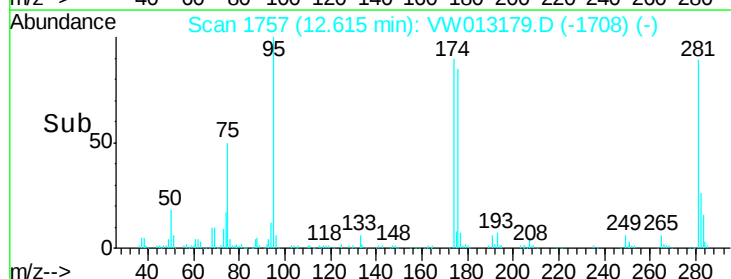
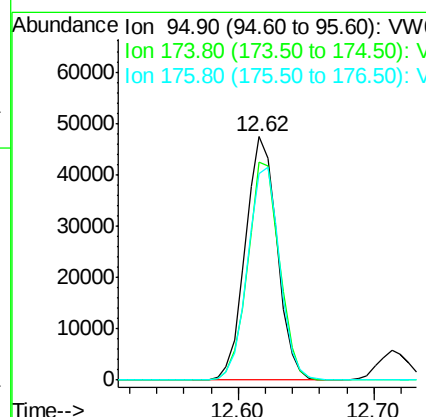
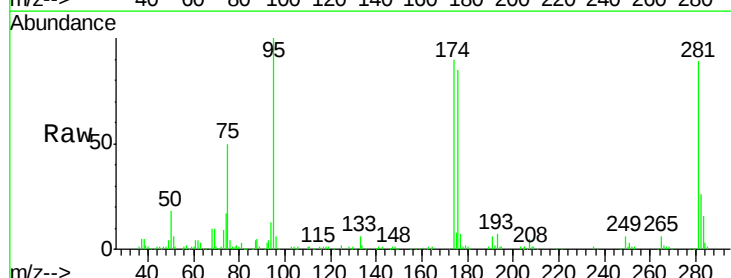
Manual Integrations
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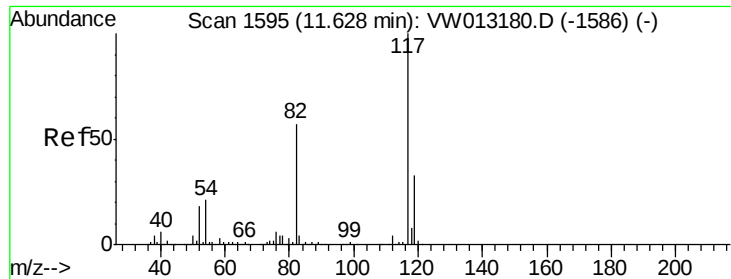
MMDadoda
 9/24/2019 5:28:43 AM



#62
 4-Bromofluorobenzene
 Concen: 18.431 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	178.4
176	88.4	0.0	172.2





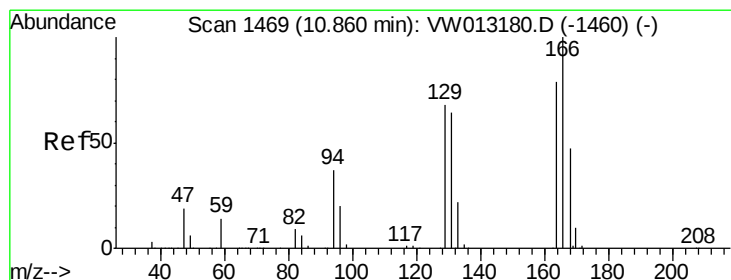
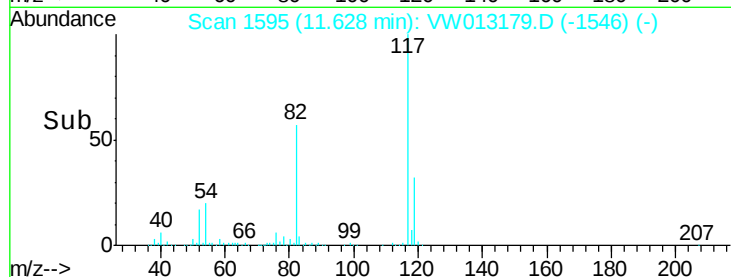
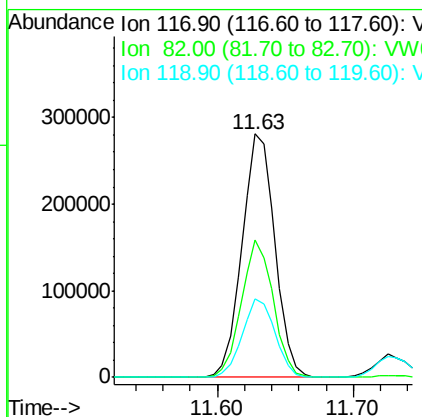
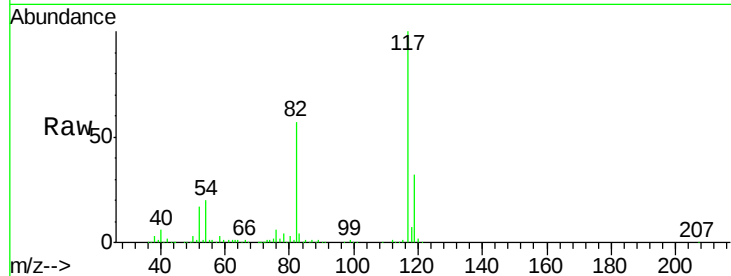
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	474695		
82	56.6	45.9	68.9	
119	32.3	26.2	39.2	

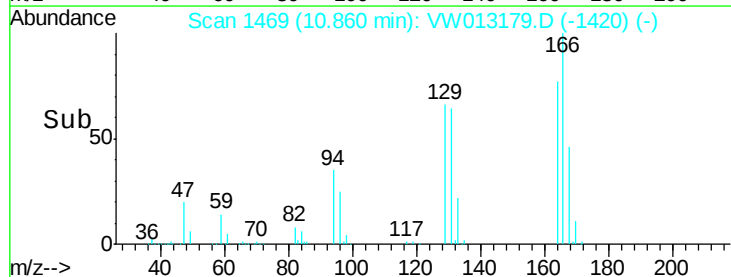
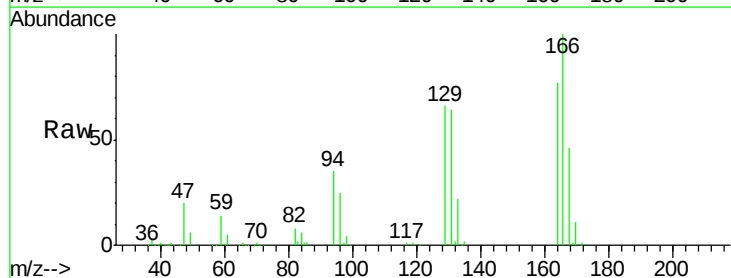
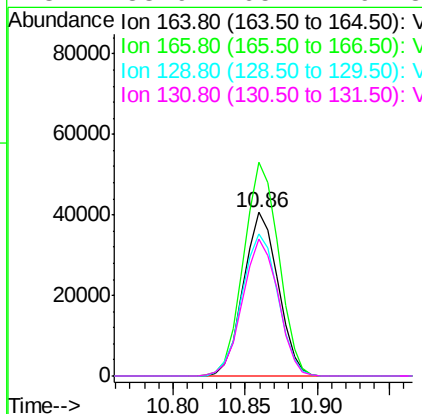
Manual Integrations
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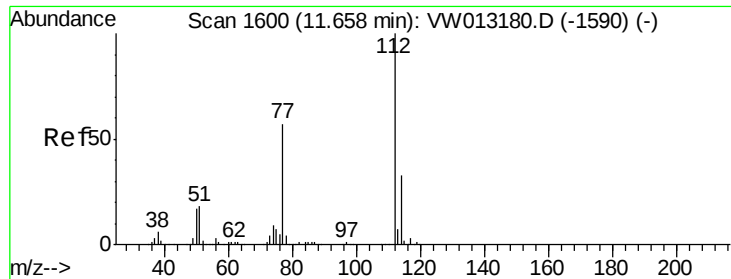
MMDadoda
9/24/2019 5:28:43 AM



#64
Tetrachloroethene
Concen: 22.941 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67677		
166	130.7	101.2	151.8	
129	86.6	68.8	103.2	
131	83.9	65.2	97.8	





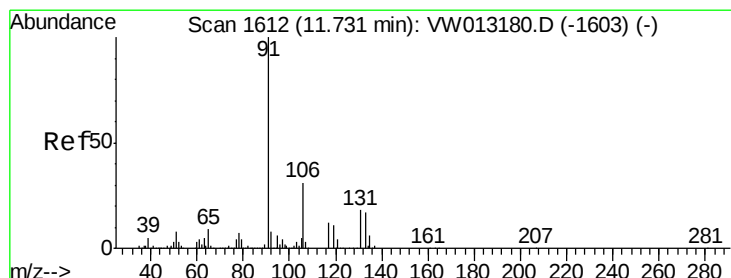
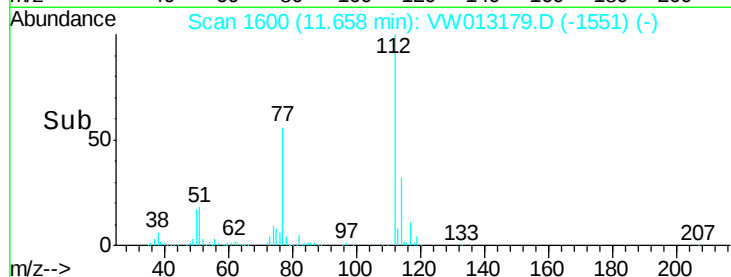
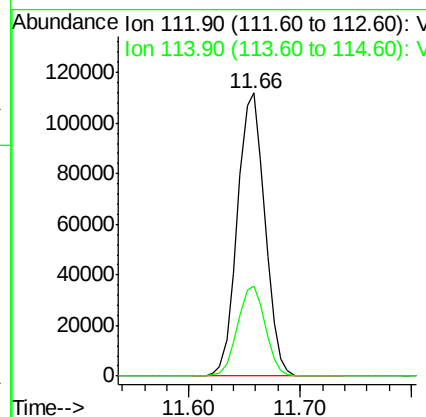
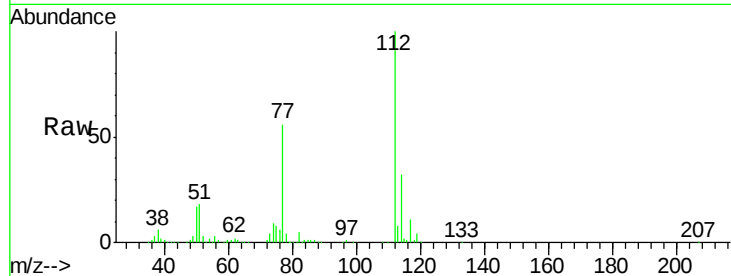
#65
Chlorobenzene
Concen: 22.041 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	191155		
114	31.9	26.5	39.7	

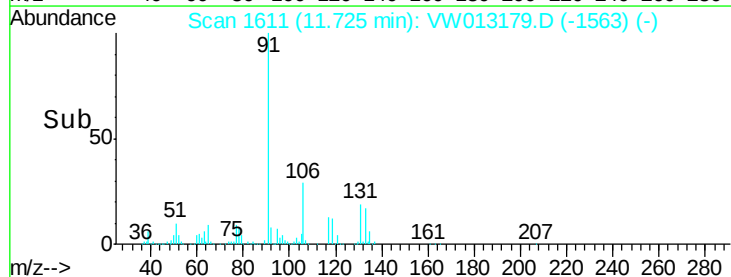
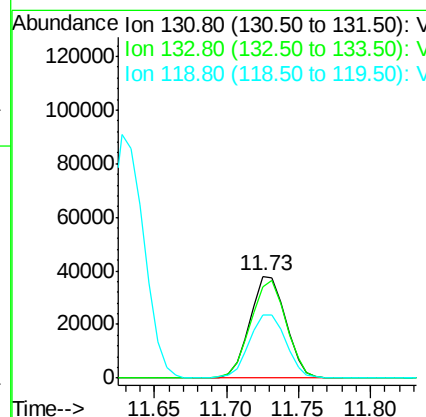
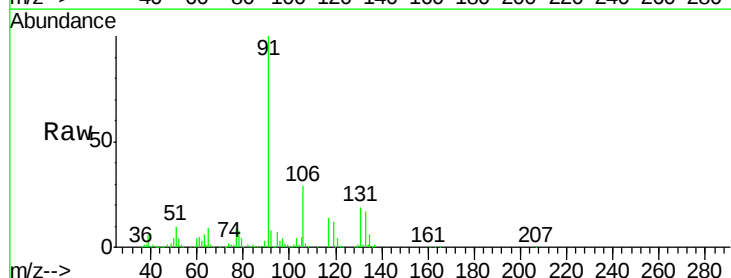
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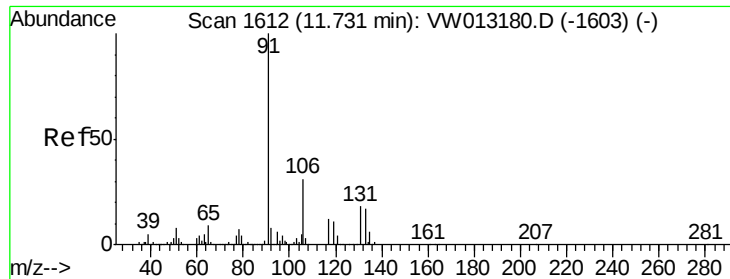
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.072 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	65363		
133	96.0	47.5	142.6	
119	63.8	32.5	97.5	





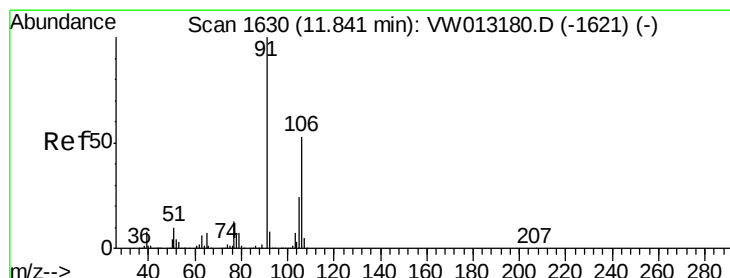
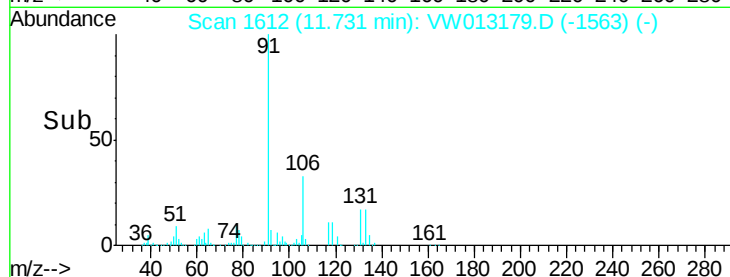
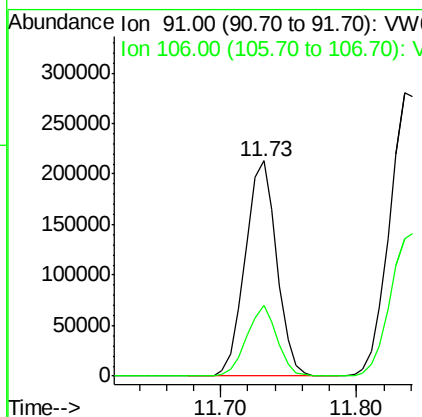
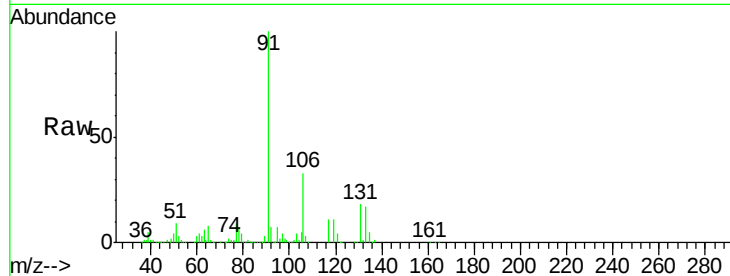
#67
Ethyl Benzene
Concen: 21.656 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 345536
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3

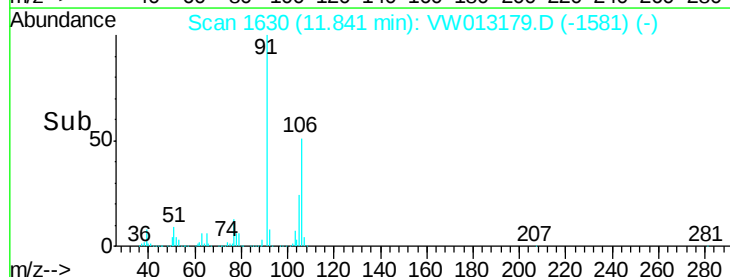
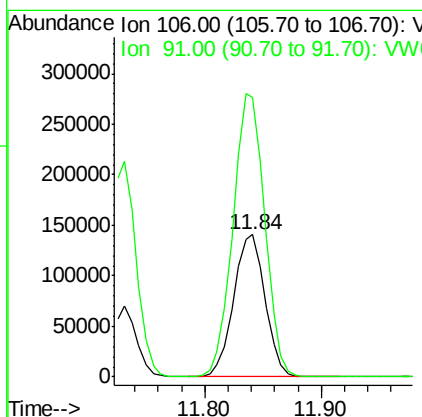
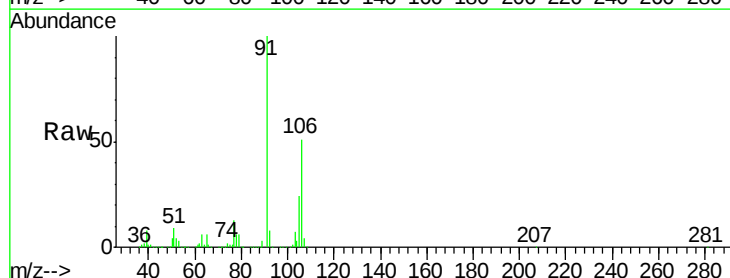
Manual Integrations
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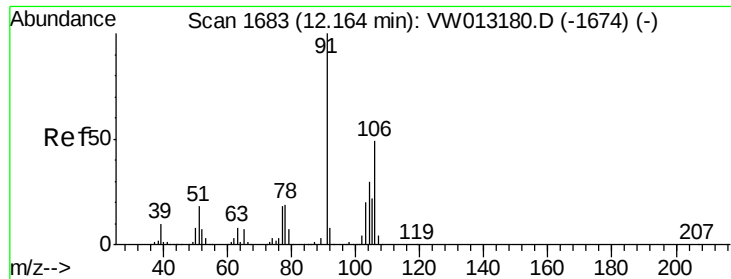
MMDadoda
9/24/2019 5:28:43 AM



#68
m/p-Xylenes
Concen: 45.023 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 106 Resp: 264729
Ion Ratio Lower Upper
106 100
91 200.6 157.9 236.9





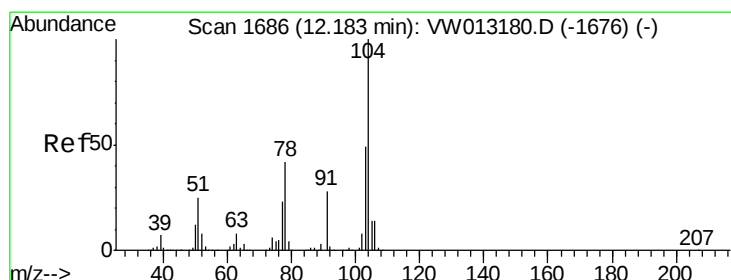
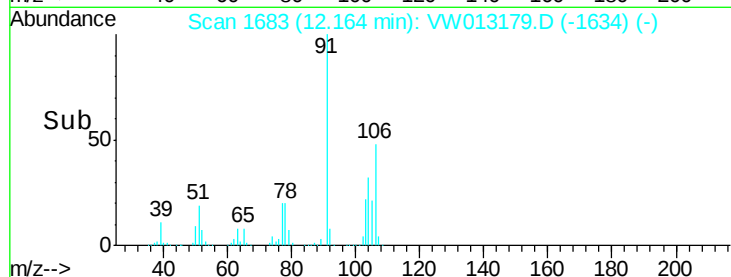
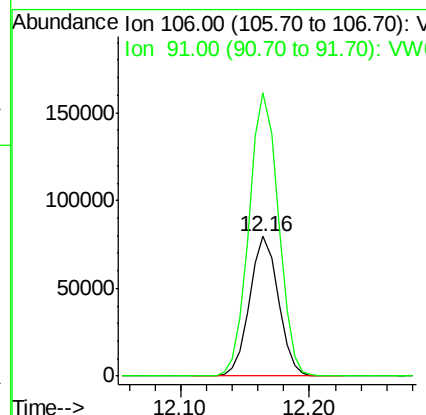
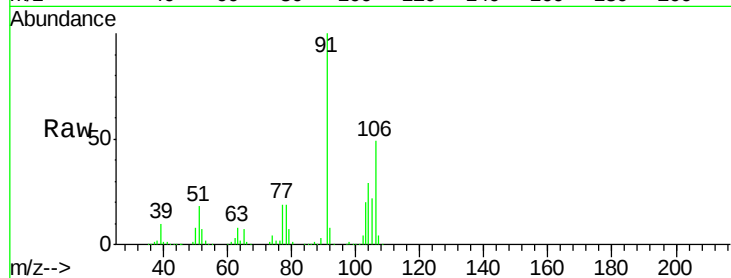
#69
o-Xylene
Concen: 22.204 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
106	100	122053		
91	208.0	106.5	319.5	

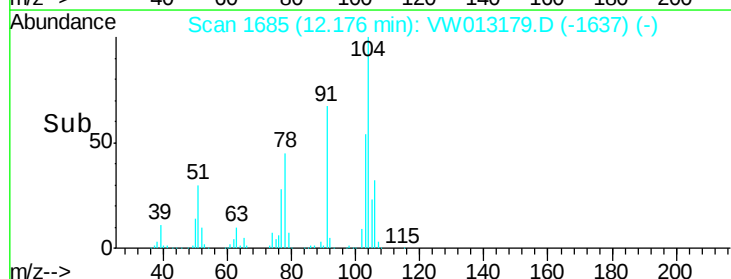
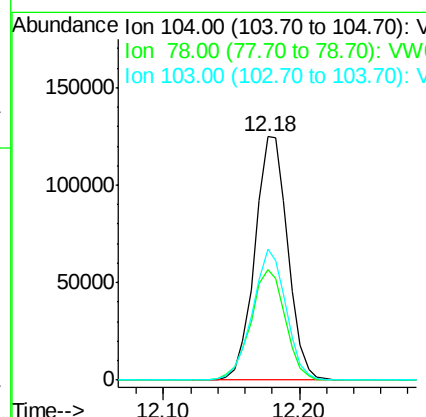
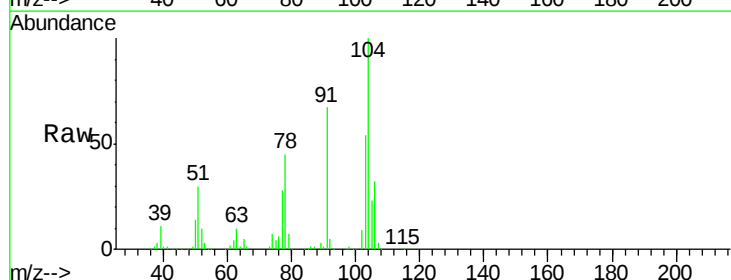
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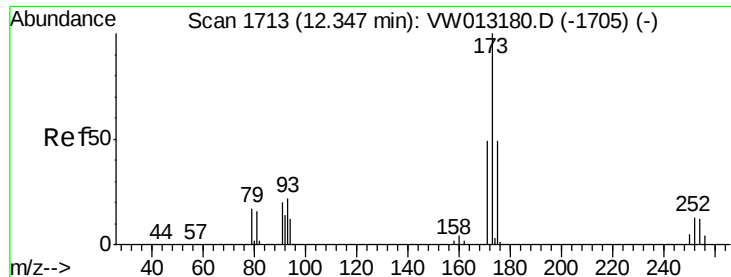
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#70
Styrene
Concen: 21.700 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	211379		
78	47.9	38.4	57.6	
103	54.8	43.3	64.9	





#71

Bromoform

Concen: 19.735 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

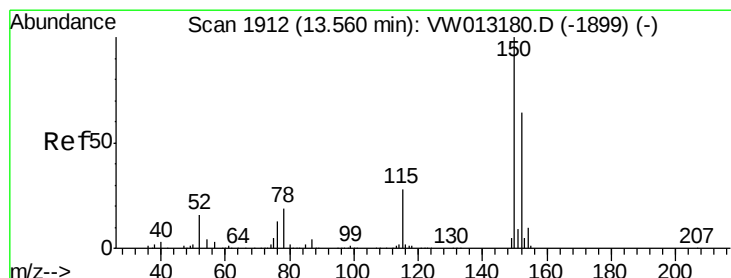
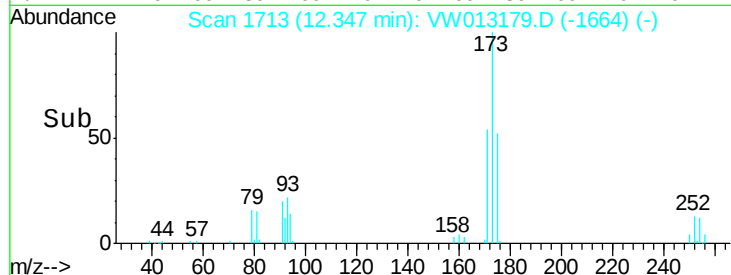
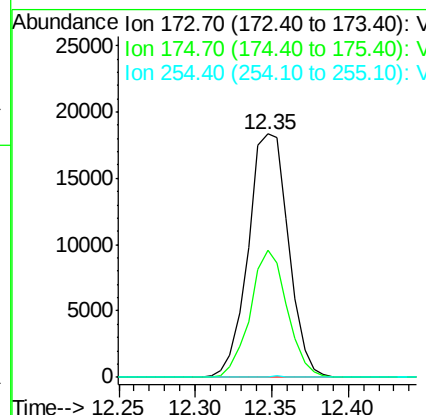
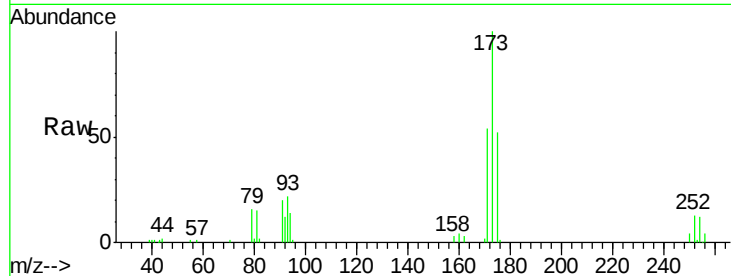
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	73.0
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

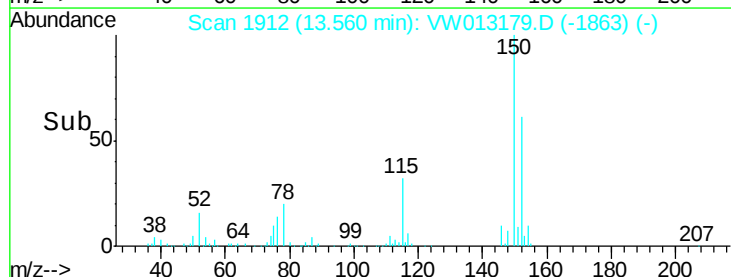
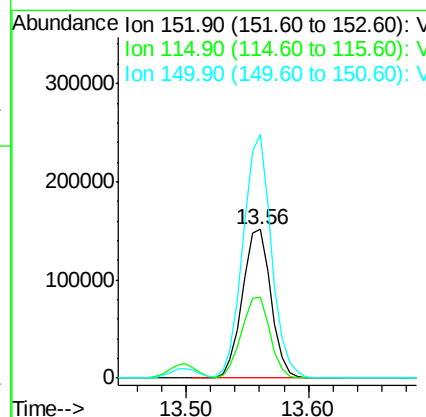
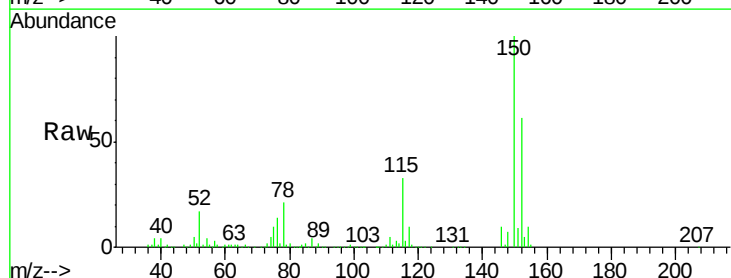
RT: 13.56 min Scan# 1912

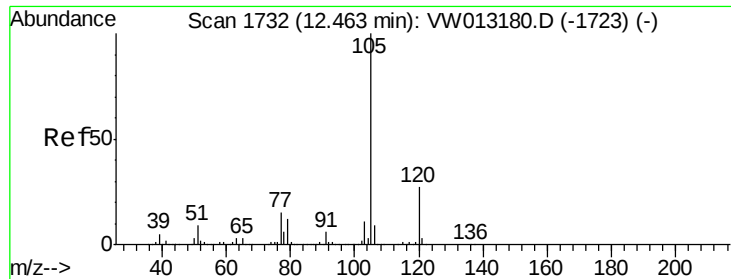
Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.3	81.9
150	163.7	0.0	349.0





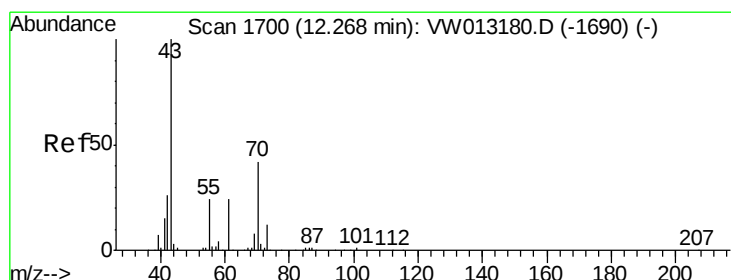
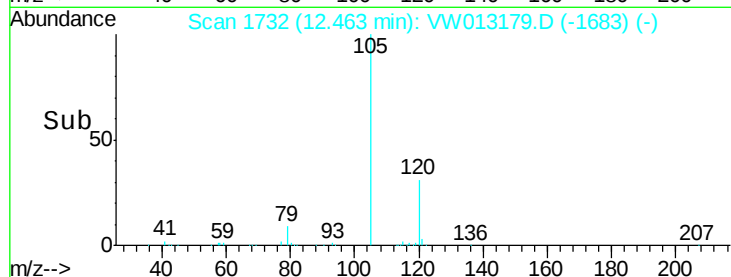
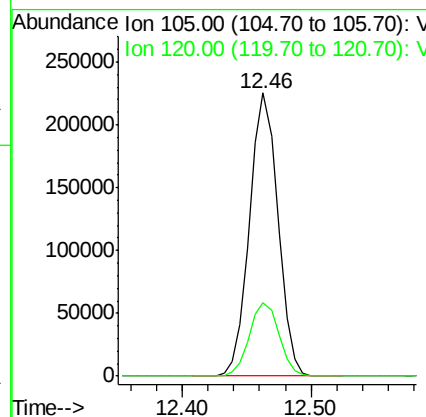
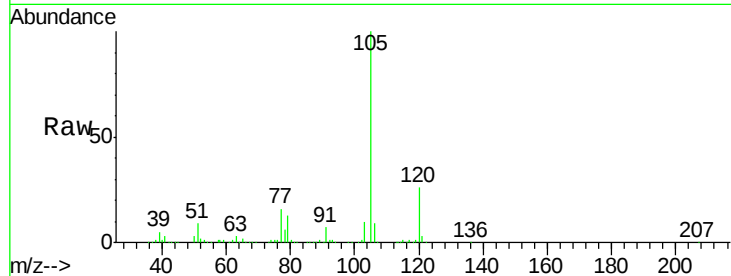
#73
Isopropylbenzene
Concen: 20.870 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.1

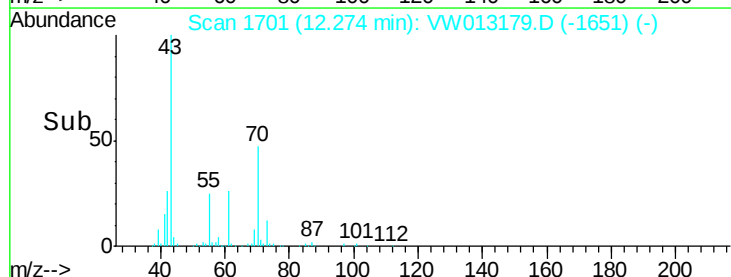
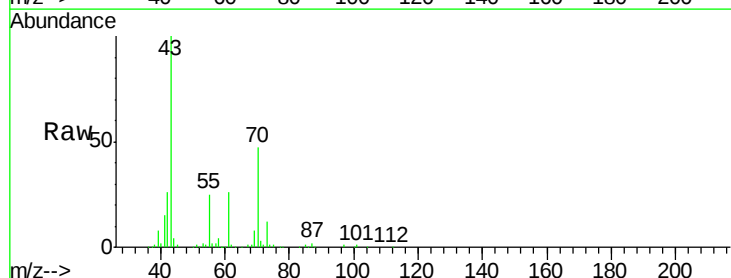
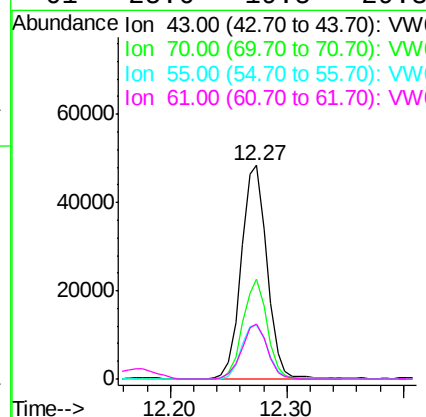
Manual Integrations
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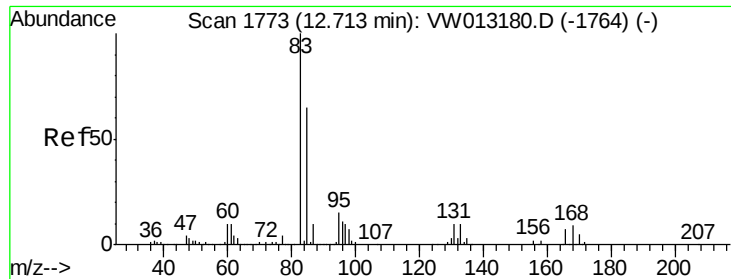
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#74
N-ethyl acetate
Concen: 18.194 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	35.1	52.7
55	26.3	19.9	29.9
61	25.6	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.751 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

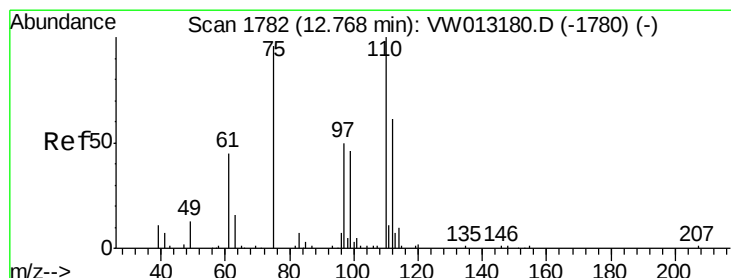
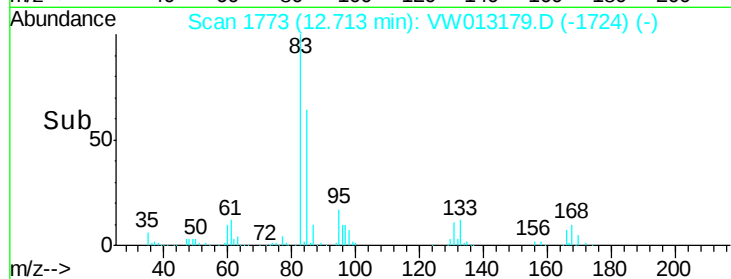
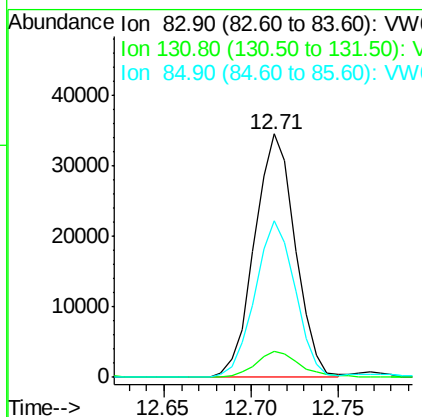
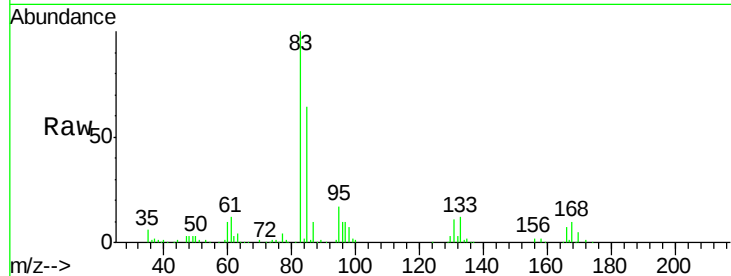
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	56005
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	63.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.015 ug/l m

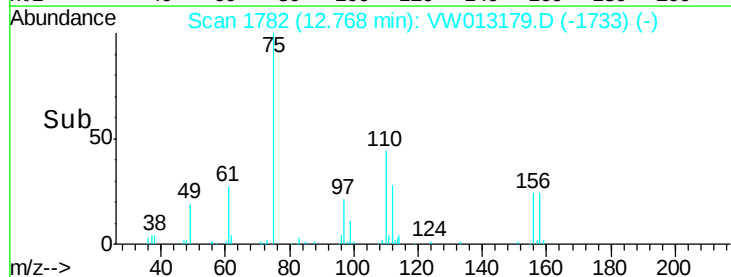
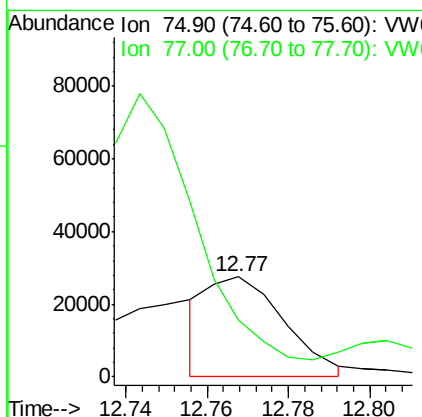
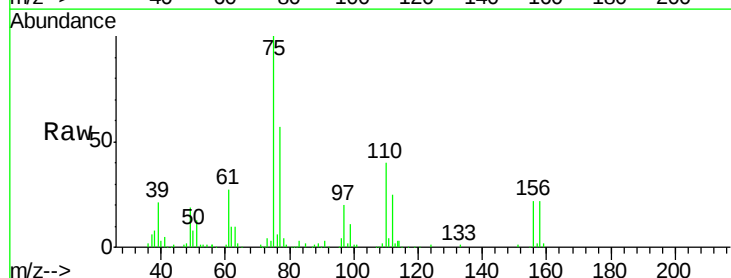
RT: 12.77 min Scan# 1782

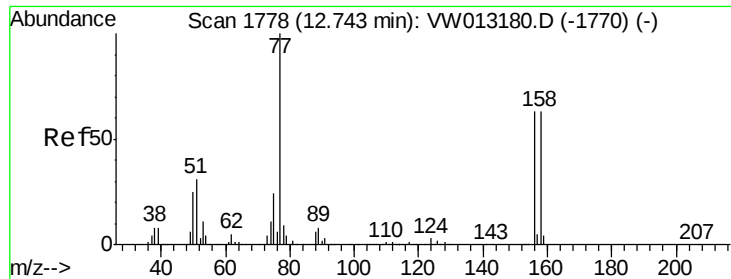
Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion:	75	Resp:	36160
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.904 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

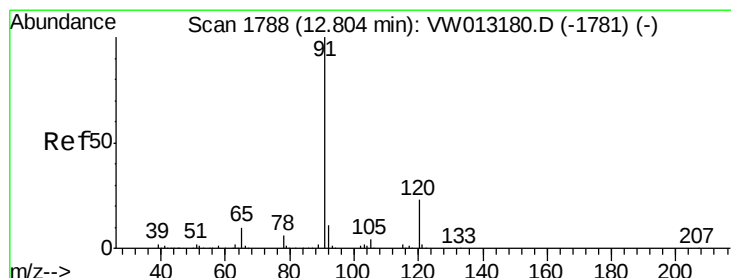
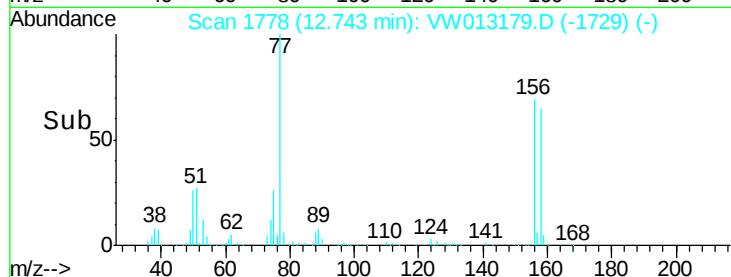
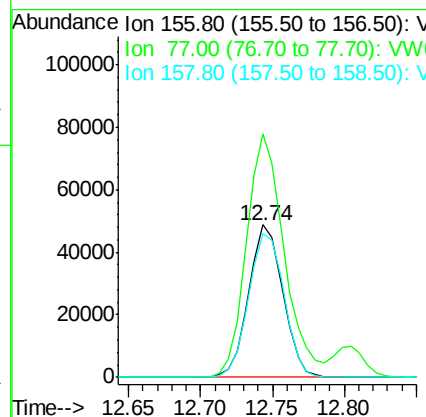
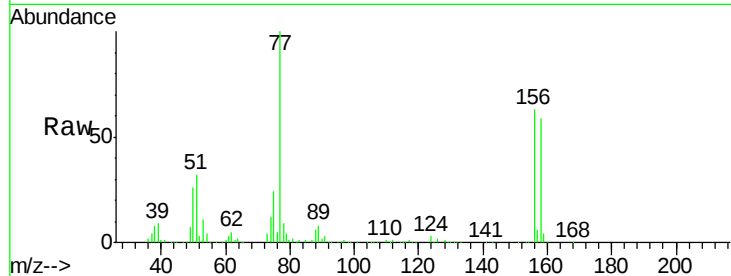
ClientSampled :

VSTDIC020

Tot Ion	156	Resp	79890
Ion	Ratio	Lower	Upper
156	100		
77	177.1	85.7	257.1
158	98.1	48.1	144.4

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#78

n-propylbenzene

Concen: 20.839 ug/l

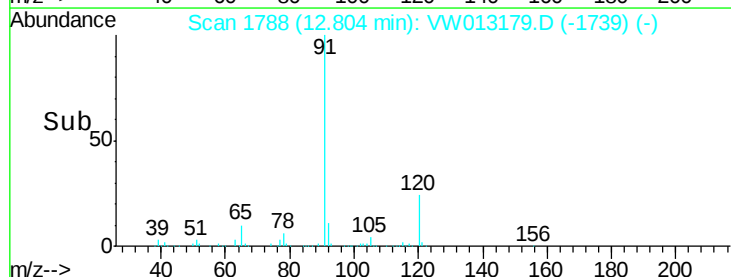
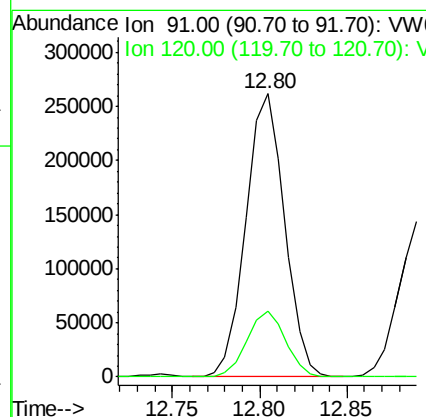
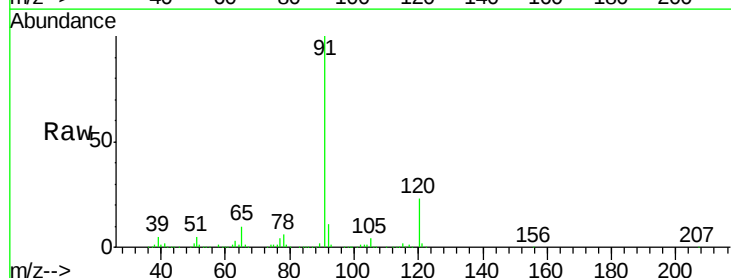
RT: 12.80 min Scan# 1788

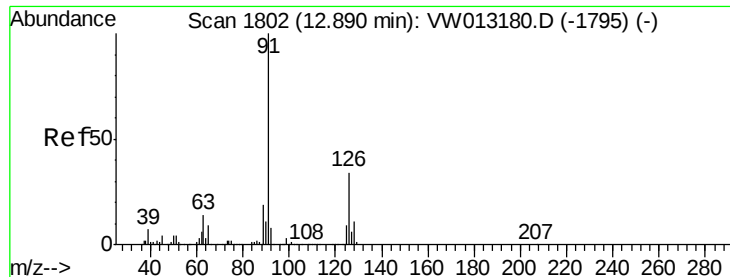
Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion	91	Resp	401866
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1





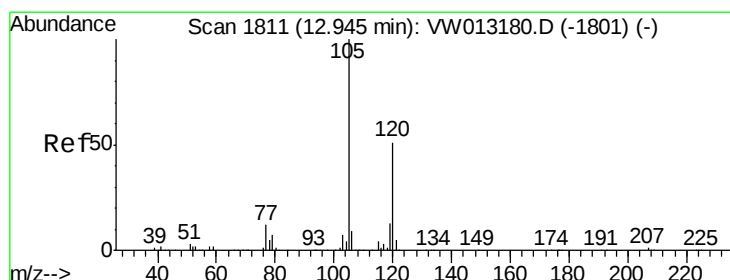
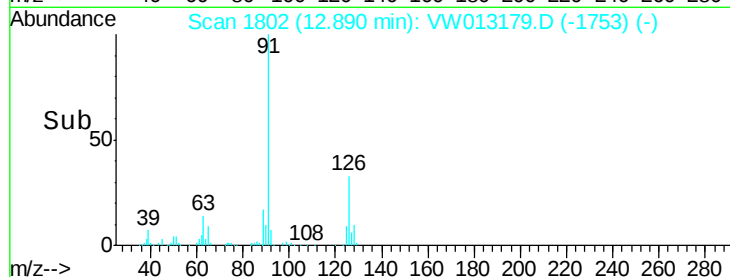
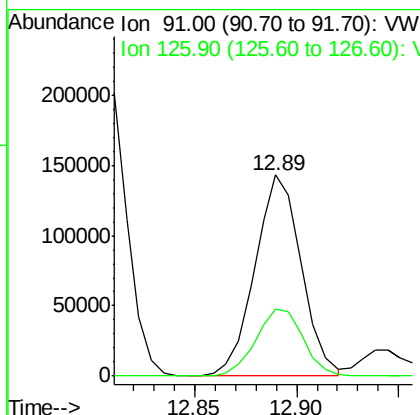
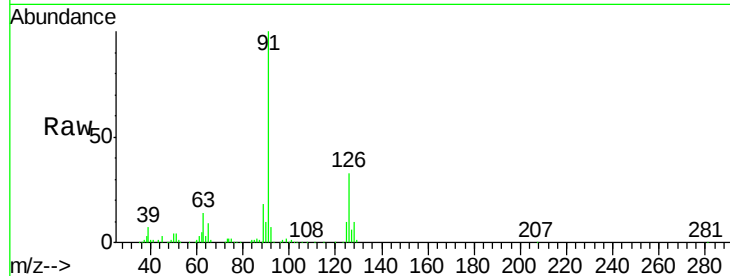
#79
2-Chlorotoluene
Concen: 20.428 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 225685
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.5

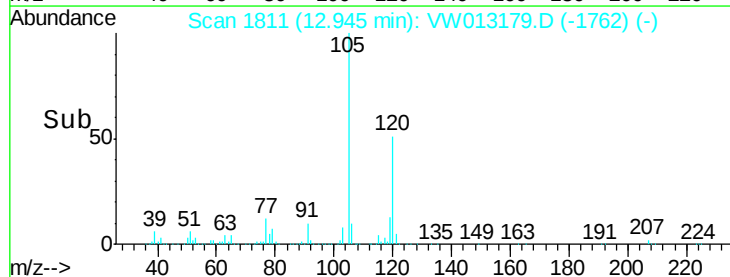
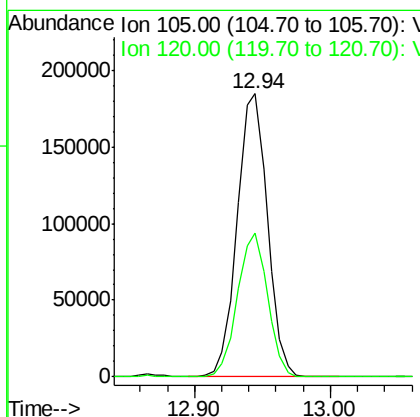
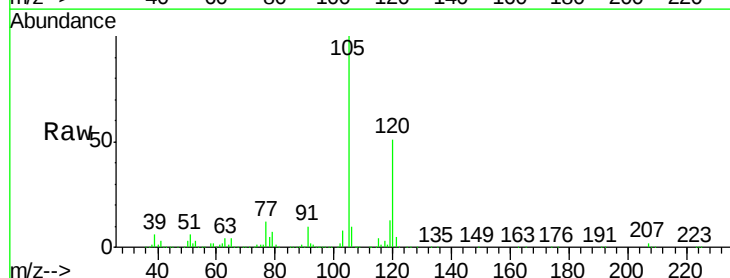
Manual Integrations
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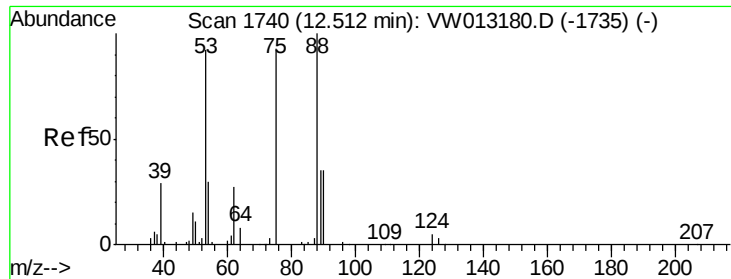
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.670 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion: 105 Resp: 287238
Ion Ratio Lower Upper
105 100
120 50.5 24.9 74.8





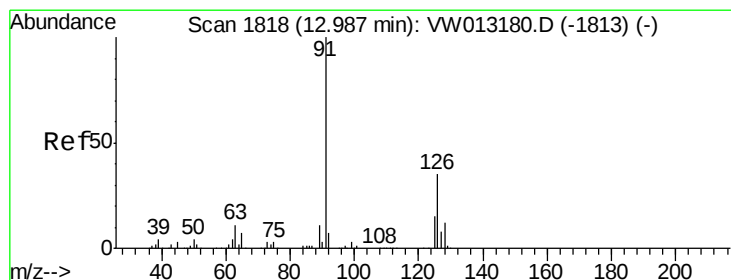
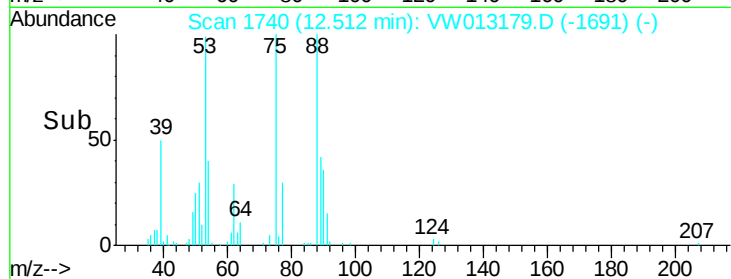
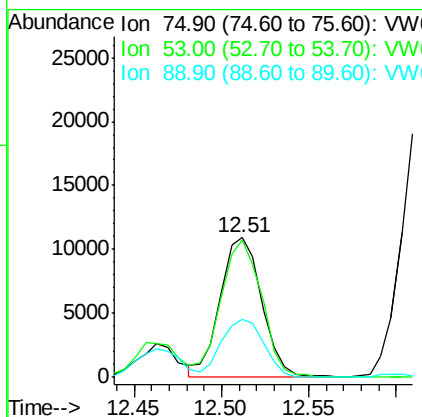
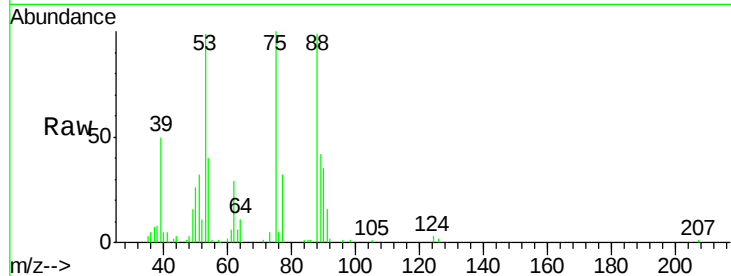
#81
trans-1,4-Dichloro-2-butene
Concen: 19.282 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.6	76.6	114.8
89	41.8	33.5	50.3

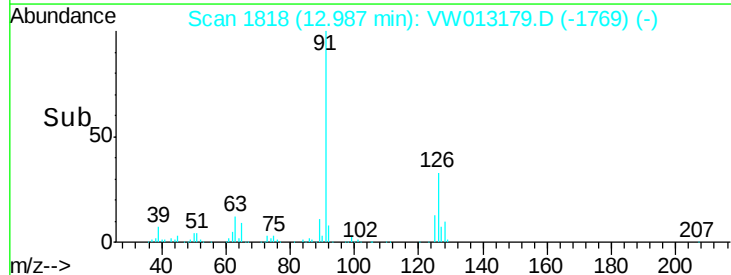
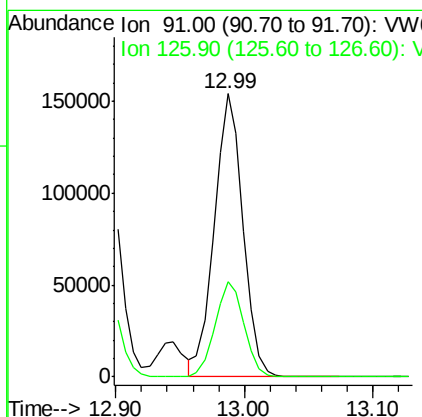
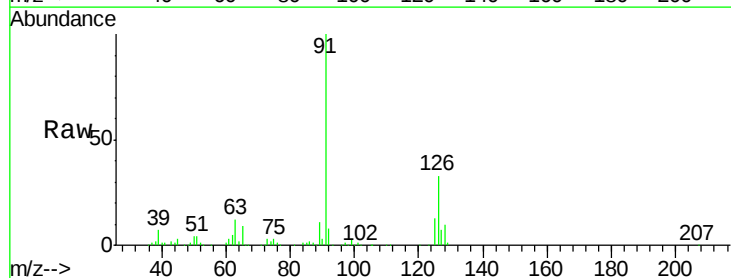
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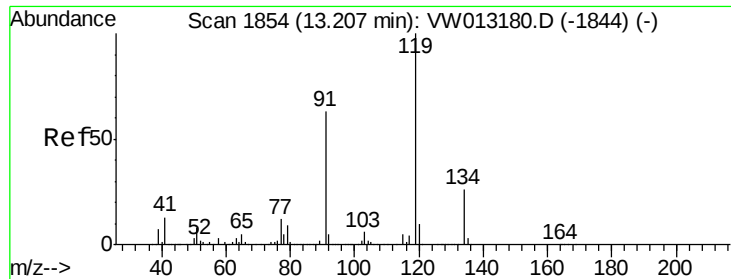
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.697 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	51.7





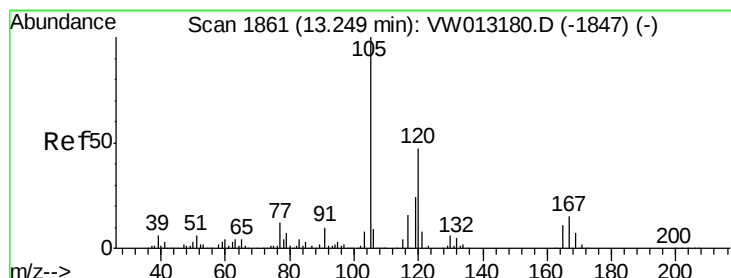
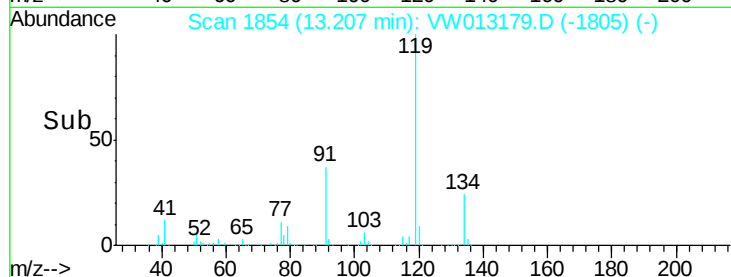
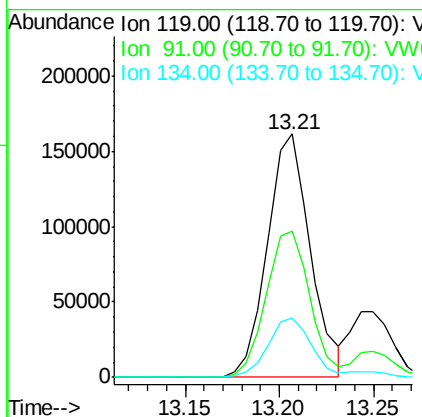
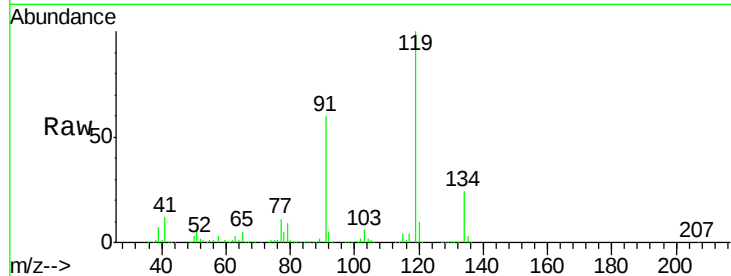
#83
tert-Butylbenzene
Concen: 20.659 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255592		
91	61.4		30.7	92.1
134	26.6		12.6	37.6

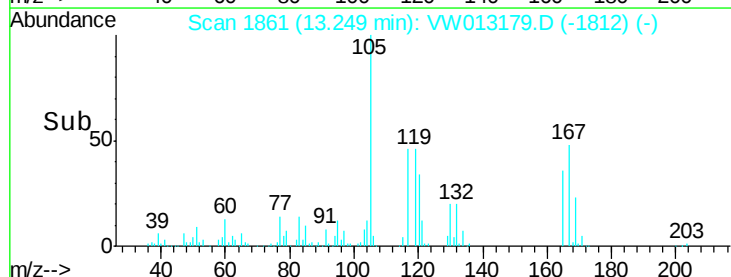
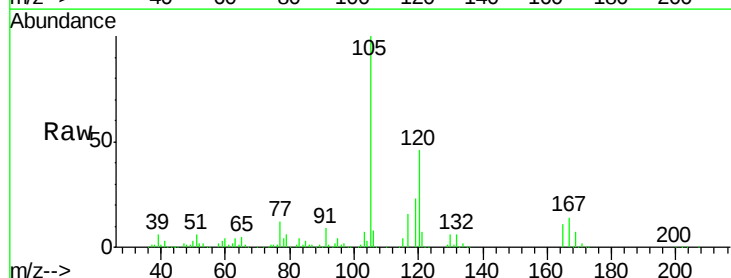
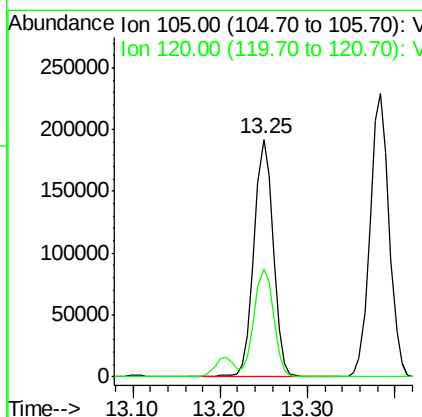
Manual Integrations
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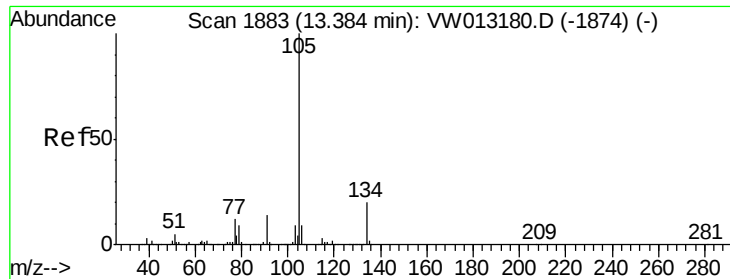
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#84
1,2,4-Trimethylbenzene
Concen: 21.256 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	291721		
120	45.9		23.4	70.3





#85

sec-Butylbenzene

Concen: 20.681 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 349690

Ion Ratio Lower Upper

105 100

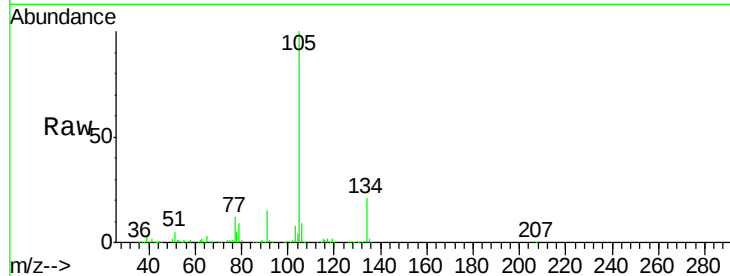
134 20.5 10.3 30.8

Manual Integrations

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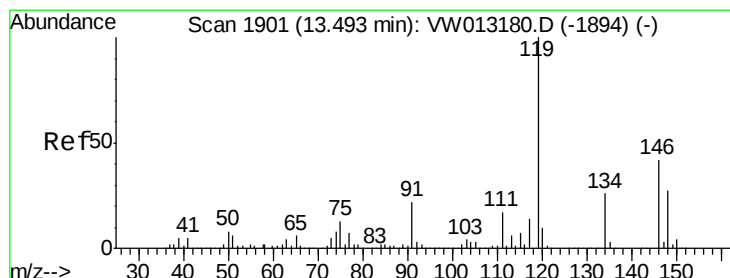
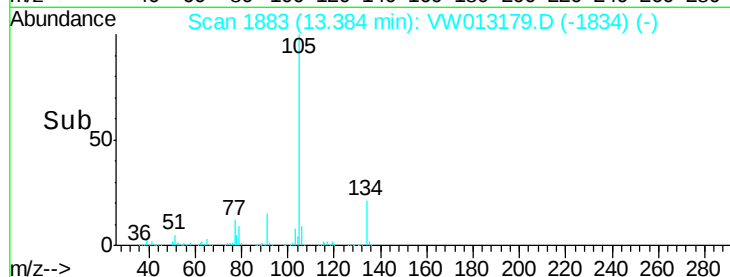
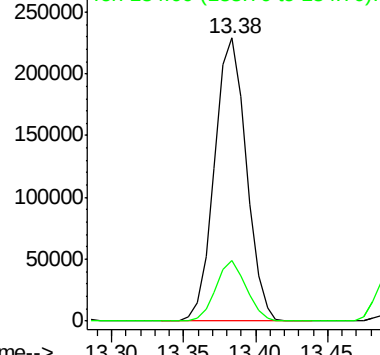
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.916 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

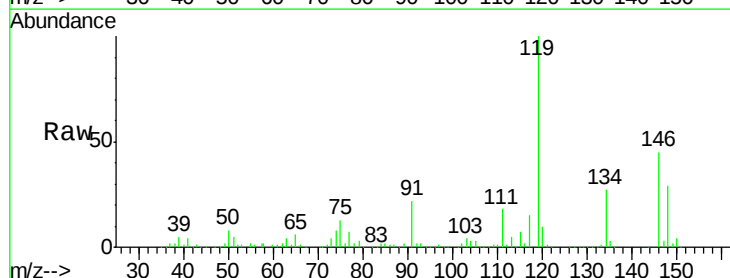
Tgt Ion:119 Resp: 325198

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

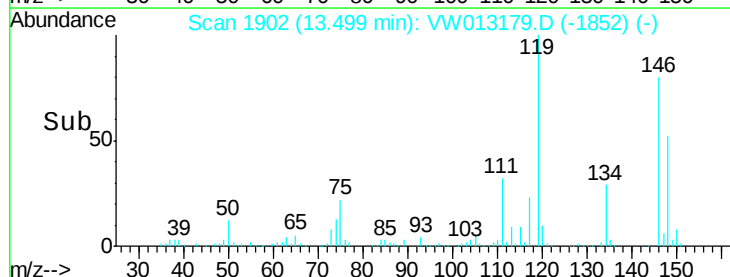
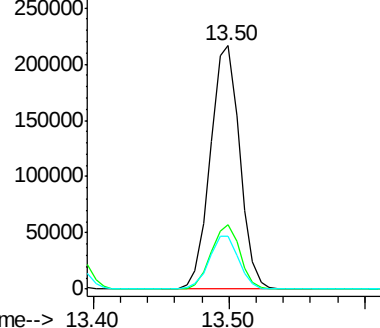
91 22.0 10.8 32.4

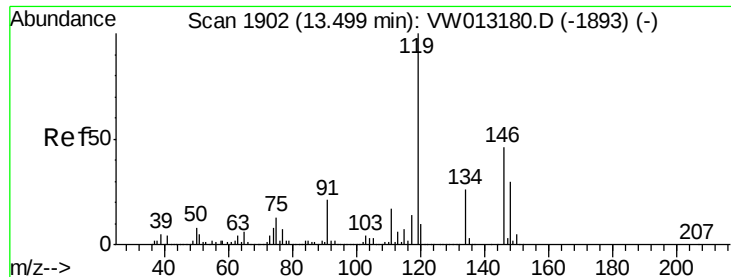


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





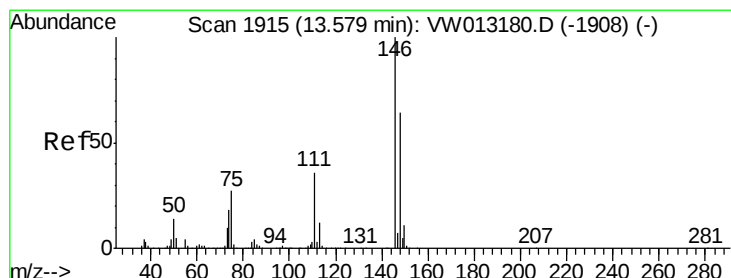
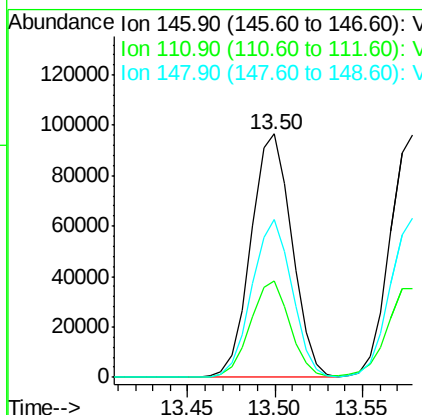
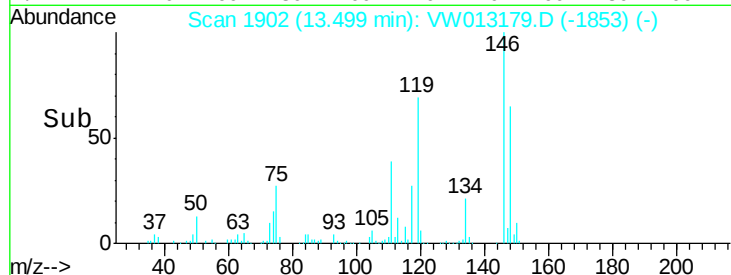
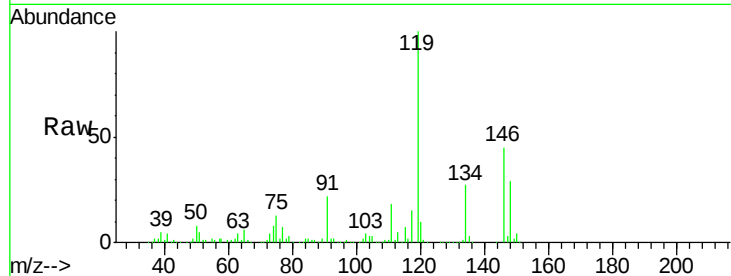
#87
 1,3-Dichlorobenzene
 Concen: 20.941 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	157148		
111	38.6	18.9	56.9	
148	63.6	31.9	95.5	

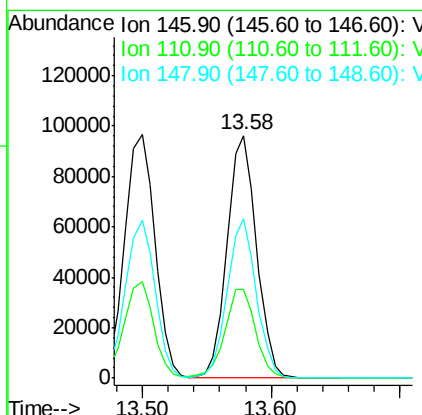
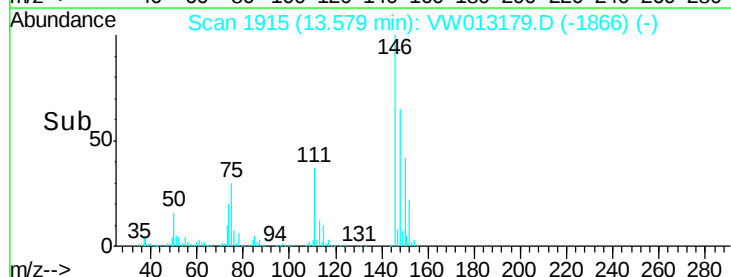
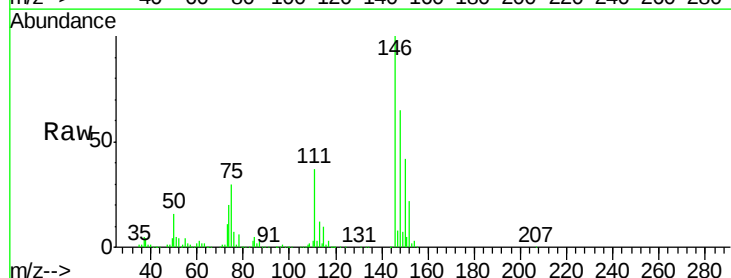
Manual Integrations
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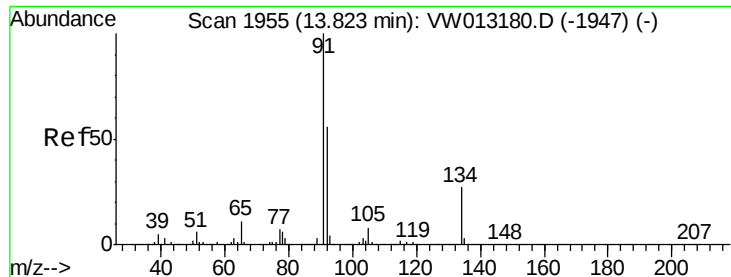
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#88
 1,4-Dichlorobenzene
 Concen: 20.937 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154029		
111	38.5	18.4	55.0	
148	64.8	32.1	96.3	





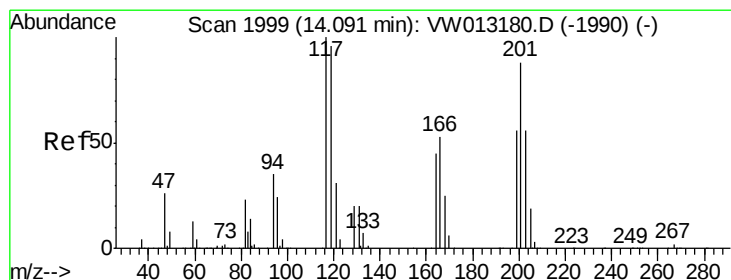
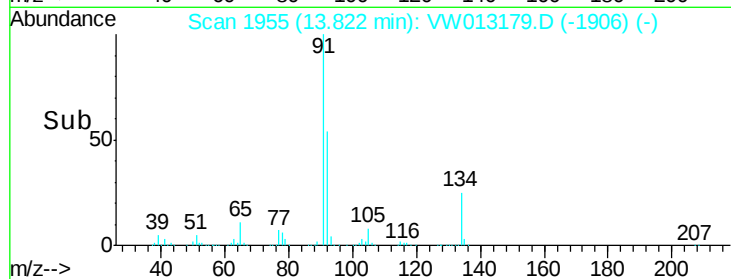
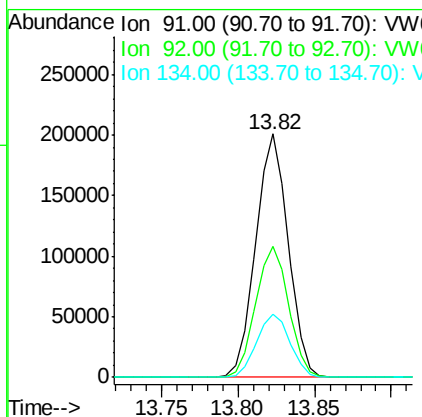
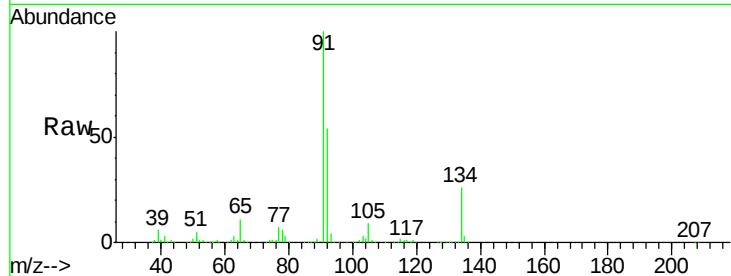
#89
n-Butylbenzene
Concen: 20.403 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.8
134	26.8	13.7	41.1

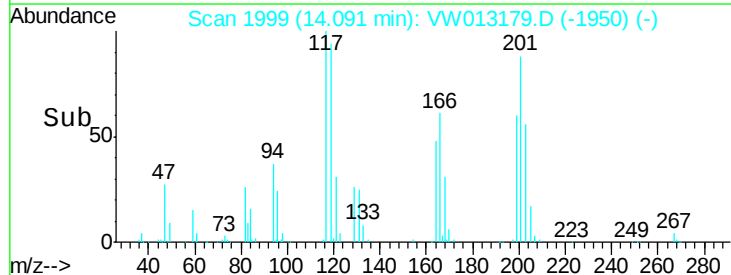
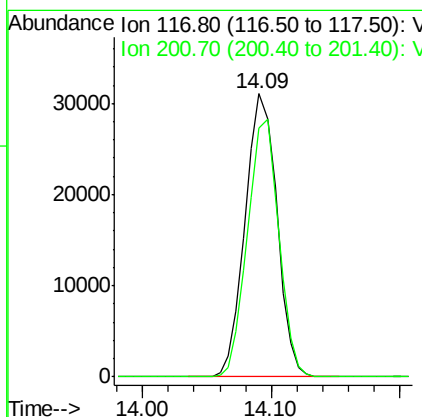
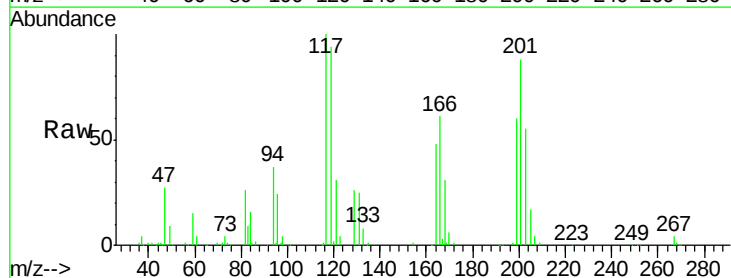
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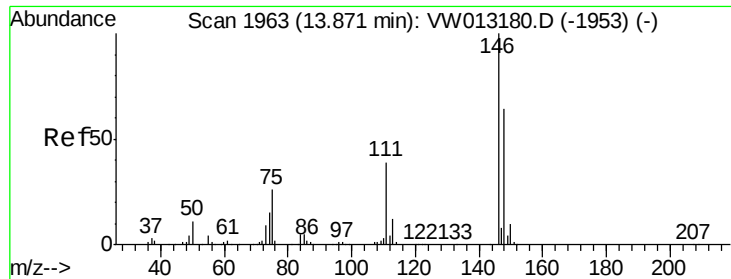
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#90
Hexachloroethane
Concen: 19.181 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	44.5	133.5





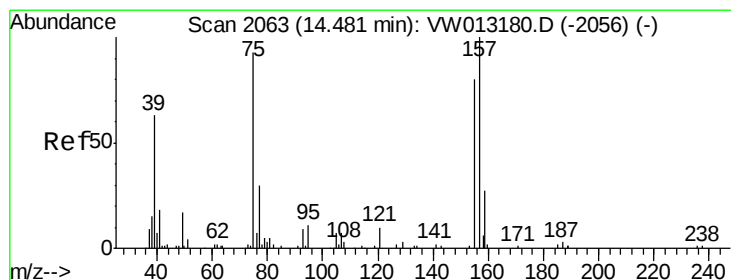
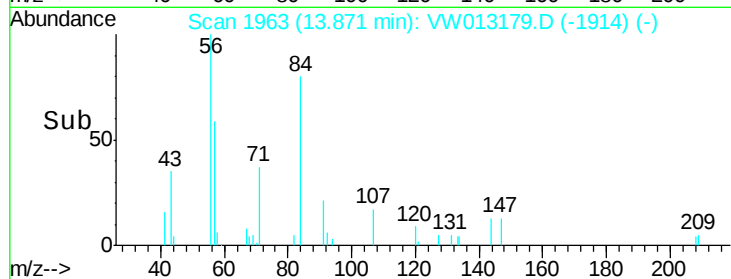
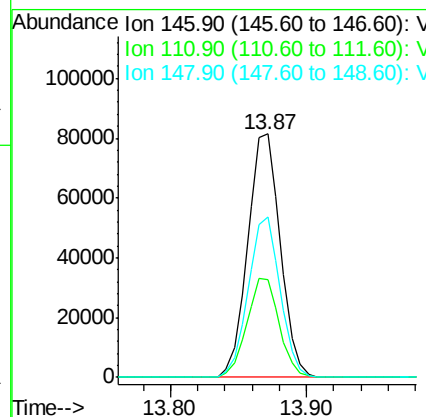
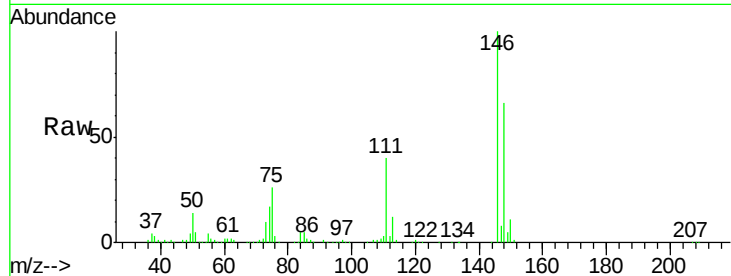
#91
 1,2-Dichlorobenzene
 Concen: 20.719 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	136372		
111	40.5	20.1	60.3	
148	64.7	32.0	96.0	

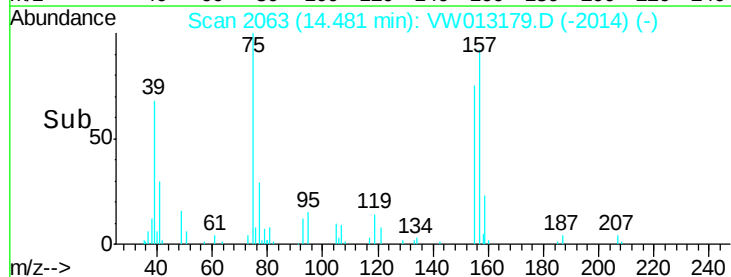
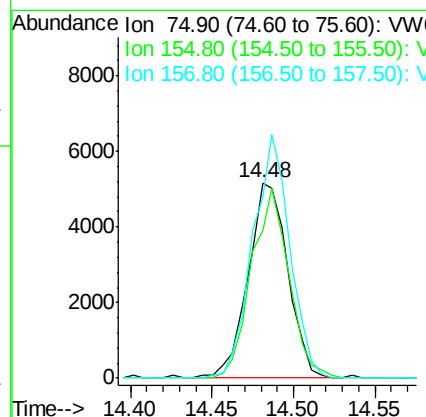
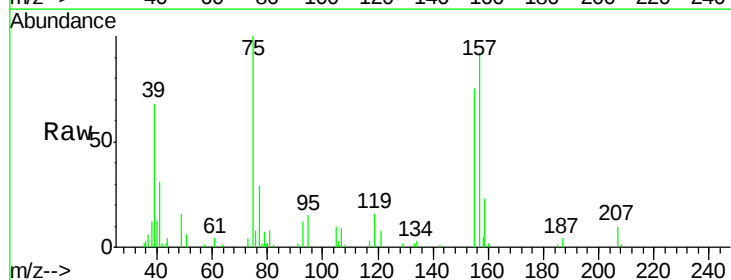
Manual Integrations
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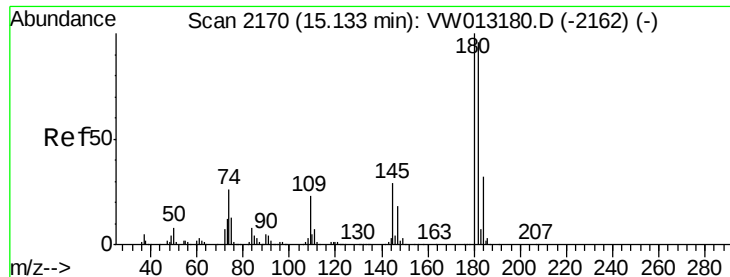
MMDadoda
 9/24/2019 5:28:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.212 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013179.D
 Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8779		
155	91.3	46.1	138.3	
157	115.8	60.4	181.2	





#93

1,2,4-Trichlorobenzene

Concen: 20.943 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Instrument :

MSVOA_W

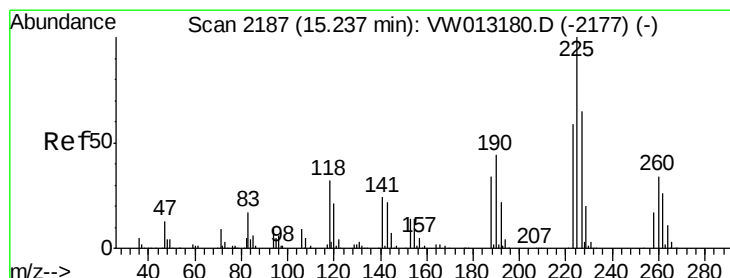
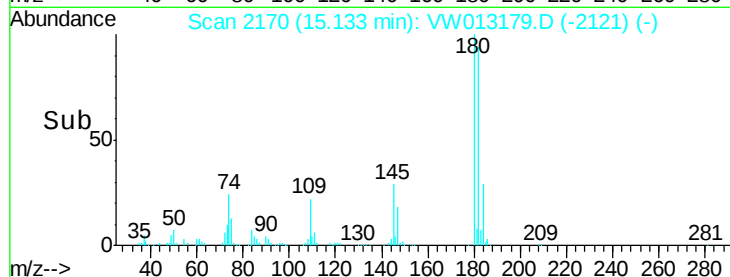
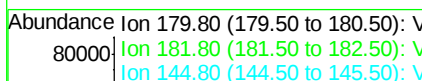
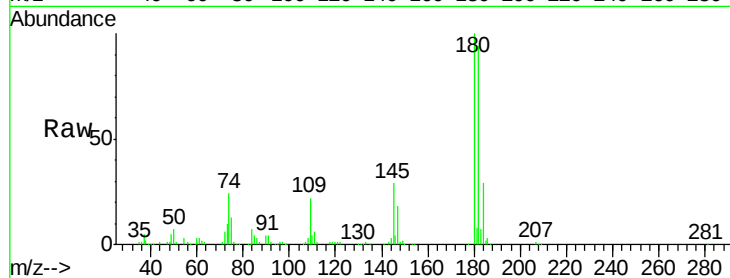
ClientSampleId :

VSTDIC020

Tot Ion:	180	Resp:	98504
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	28.9	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 20.602 ug/l

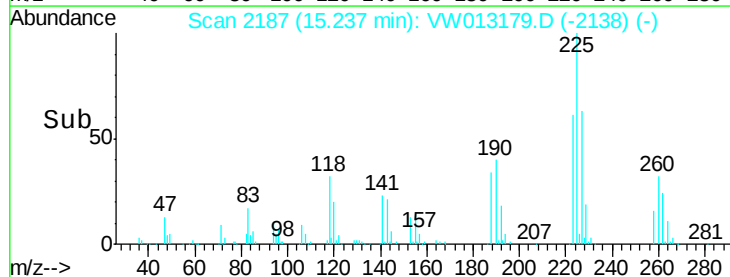
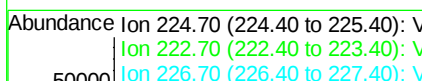
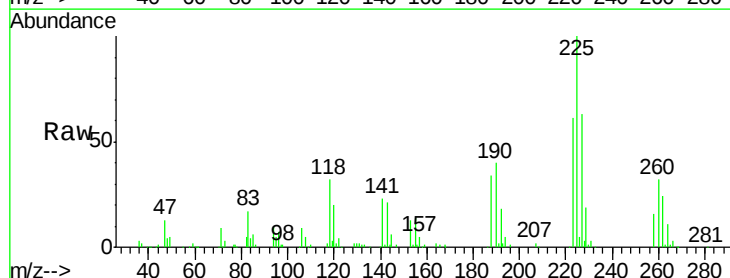
RT: 15.24 min Scan# 2187

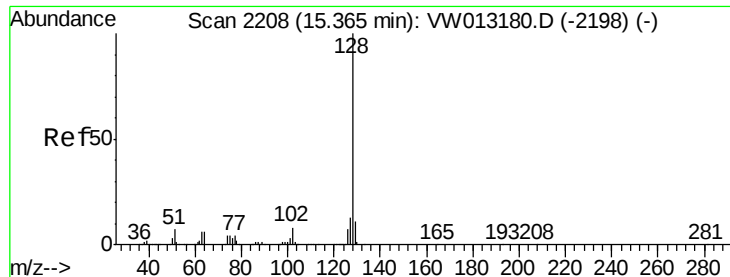
Delta R.T. -0.00 min

Lab File: VW013179.D

Acq: 20 Sep 2019 13:35

Tgt Ion:	225	Resp:	68253
Ion Ratio	Lower	Upper	
225	100		
223	61.2	30.6	91.8
227	62.3	31.9	95.9





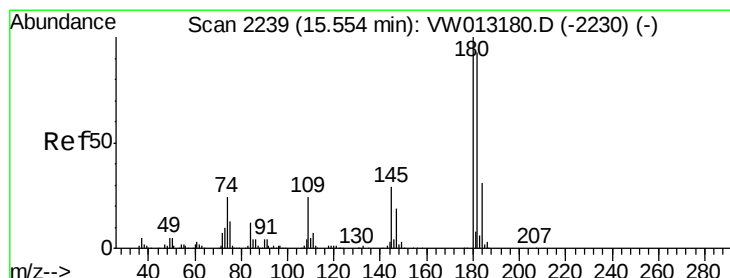
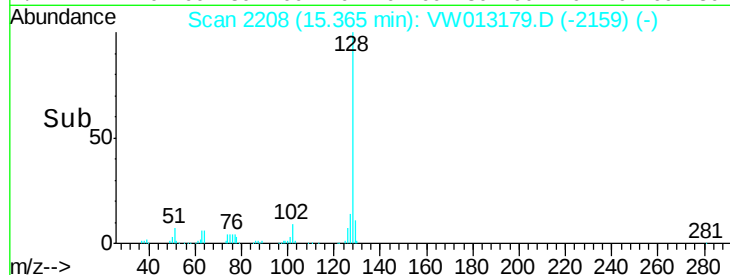
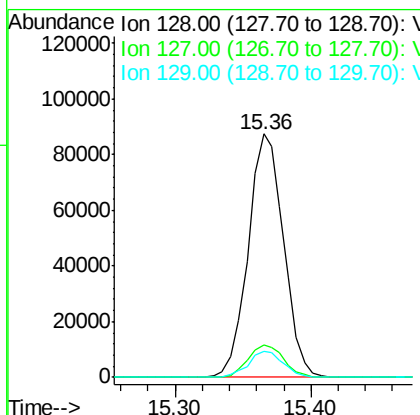
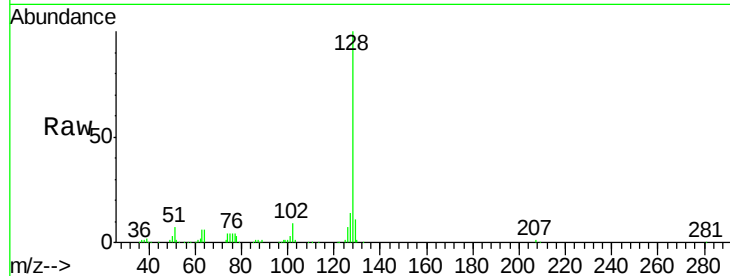
#95
Naphthalene
Concen: 20.419 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	159217		
127	13.5	10.6	15.8	
129	10.7	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.251 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013179.D
Acq: 20 Sep 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83920		
182	95.0	47.9	143.7	
145	29.9	15.0	45.0	

