

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013479.D
 Acq On : 08 Oct 2019 10:53
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
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 10/9/2019 4:08:38 PM

Quant Time: Oct 09 05:27:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	367596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	221389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	28080	9.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.78%	
35) Dibromofluoromethane	7.88	113	28109	9.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.06%	
50) Toluene-d8	10.32	98	117990	9.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.04%	
62) 4-Bromofluorobenzene	12.62	95	40033	9.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	11674	9.587	ug/l	96
3) Chloromethane	2.20	50	23523	10.991	ug/l	99
4) Vinyl Chloride	2.36	62	33477	10.604	ug/l	96
5) Bromomethane	2.77	94	19731	10.475	ug/l	94
6) Chloroethane	2.92	64	18293	10.318	ug/l	94
7) Trichlorofluoromethane	3.25	101	14397	9.638	ug/l	99
8) Diethyl Ether	3.68	74	15652	10.124	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32561	10.577	ug/l	97
10) Methyl Iodide	4.27	142	51591	10.583	ug/l	100
11) Tert butyl alcohol	5.18	59	13352	61.849	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	33279	10.431	ug/l	93
13) Acrolein	3.89	56	13491	58.268	ug/l	99
14) Allyl chloride	4.66	41	50402	10.280	ug/l	99
15) Acrylonitrile	5.37	53	36589	50.635	ug/l	98
16) Acetone	4.13	43	31342	47.423	ug/l	94
17) Carbon Disulfide	4.38	76	93167	10.404	ug/l	98
18) Methyl Acetate	4.67	43	17716	9.358	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	49796	10.322	ug/l	99
20) Methylene Chloride	4.92	84	40997	11.268	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35233	10.393	ug/l	93
22) Diisopropyl ether	6.31	45	94626	10.301	ug/l	97
23) Vinyl Acetate	6.25	43	280961	50.944	ug/l	96
24) 1,1-Dichloroethane	6.21	63	58383	10.398	ug/l	98
25) 2-Butanone	7.17	43	47340	48.604	ug/l	95
26) 2,2-Dichloropropane	7.17	77	37685	10.411	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	37754	10.525	ug/l	99
28) Bromochloromethane	7.51	49	15970	7.975	ug/l #	100
29) Tetrahydrofuran	7.53	42	29558	49.653	ug/l	99
30) Chloroform	7.67	83	56996	10.495	ug/l	98
31) Cyclohexane	7.95	56	64289	10.818	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	45953	10.409	ug/l	99
36) 1,1-Dichloropropene	8.08	75	49518	10.365	ug/l	99
37) Ethyl Acetate	7.24	43	21712	10.017	ug/l	99
38) Carbon Tetrachloride	8.07	117	44018	10.394	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	64344	10.396	ug/l	98
40) Benzene	8.32	78	138275	10.369	ug/l	100
41) Methacrylonitrile	7.48	41	13208	10.716	ug/l	97
42) 1,2-Dichloroethane	8.40	62	34839	10.336	ug/l	97
43) Isopropyl Acetate	8.43	43	39288	10.033	ug/l	99
44) Trichloroethene	9.09	130	39218	10.309	ug/l	98
45) 1,2-Dichloropropane	9.37	63	33426	10.443	ug/l	95
46) Dibromomethane	9.46	93	16043	10.061	ug/l	99
47) Bromodichloromethane	9.64	83	40079	10.111	ug/l	96
48) Methyl methacrylate	9.44	41	17693	9.173	ug/l	94
49) 1,4-Dioxane	9.46	88	5678	202.797	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	100639	48.883	ug/l	100
52) Toluene	10.38	92	89592	10.430	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	39935	9.696	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	49675	9.955	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24912	10.409	ug/l	93
56) Ethyl methacrylate	10.65	69	30767	9.544	ug/l	96
57) 1,3-Dichloropropane	10.93	76	41766	10.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	72210	47.481	ug/l	99
59) 2-Hexanone	10.97	43	67126	47.549	ug/l	100
60) Dibromochloromethane	11.13	129	27182	9.876	ug/l	95
61) 1,2-Dibromoethane	11.24	107	22598	9.927	ug/l	100
64) Tetrachloroethene	10.86	164	33397	10.249	ug/l	97
65) Chlorobenzene	11.66	112	92125	10.472	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	31845	10.421	ug/l	99
67) Ethyl Benzene	11.73	91	168594	10.485	ug/l	99
68) m/p-Xylenes	11.84	106	125733	20.552	ug/l	96
69) o-Xylene	12.16	106	59276	10.487	ug/l	98
70) Styrene	12.18	104	100155	10.320	ug/l	100
71) Bromoform	12.35	173	16610	9.907	ug/l #	100
73) Isopropylbenzene	12.46	105	165139	10.413	ug/l	99
74) N-amyl acetate	12.27	43	33252	9.587	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	26971	9.978	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	21163m	11.902	ug/l	
77) Bromobenzene	12.75	156	39558	10.524	ug/l	99
78) n-propylbenzene	12.80	91	190742	10.402	ug/l	99
79) 2-Chlorotoluene	12.89	91	109205	10.629	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	137422	10.429	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8372	9.281	ug/l	94
82) 4-Chlorotoluene	12.99	91	112843	10.582	ug/l	99
83) tert-Butylbenzene	13.21	119	121321	10.368	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	137024	10.515	ug/l	100
85) sec-Butylbenzene	13.38	105	168846	10.443	ug/l	99
86) p-Isopropyltoluene	13.50	119	154554	10.404	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	74206	10.411	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	74119	10.615	ug/l	98
89) n-Butylbenzene	13.82	91	139073	10.364	ug/l	99
90) Hexachloroethane	14.09	117	25571	10.060	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	66732	10.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4179	9.698	ug/l	96

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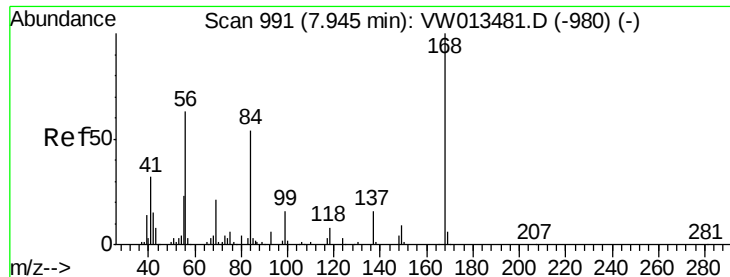
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	44415	9.987	ug/l	98
94) Hexachlorobutadiene	15.23	225	30441	10.300	ug/l	95
95) Naphthalene	15.36	128	70718	9.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	38924	10.009	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 367596

Ion Ratio Lower Upper

168 100

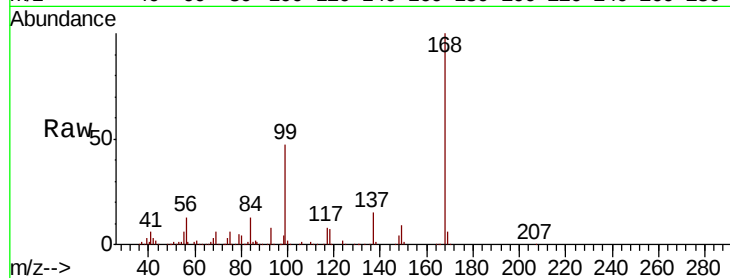
99 46.9 38.3 57.5

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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

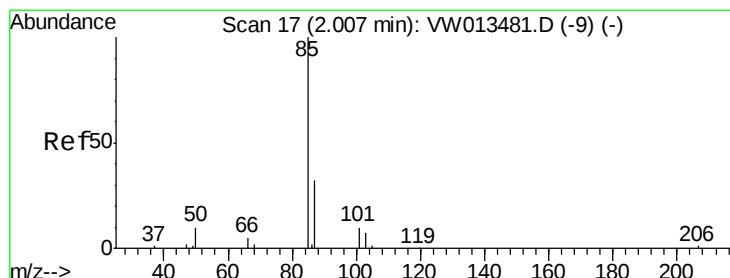
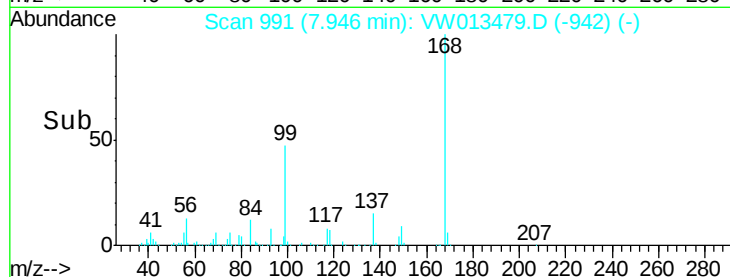
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 9.587 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013479.D

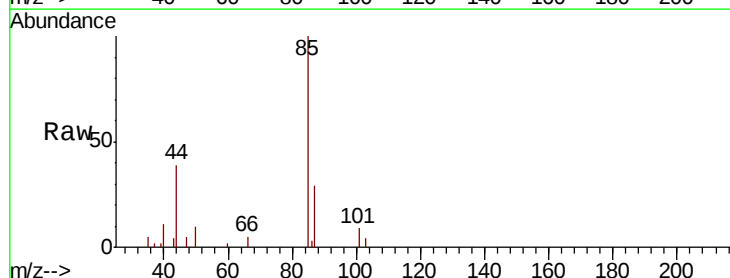
Acq: 08 Oct 2019 10:53

Tgt Ion: 85 Resp: 11674

Ion Ratio Lower Upper

85 100

87 29.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

4000

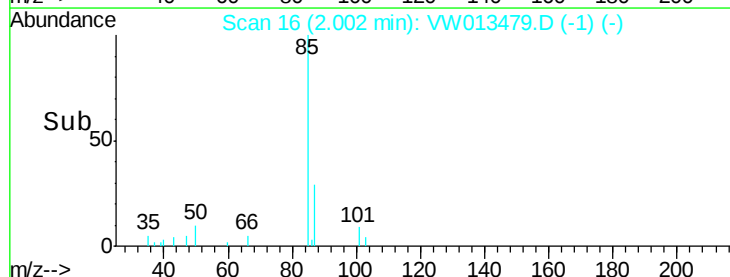
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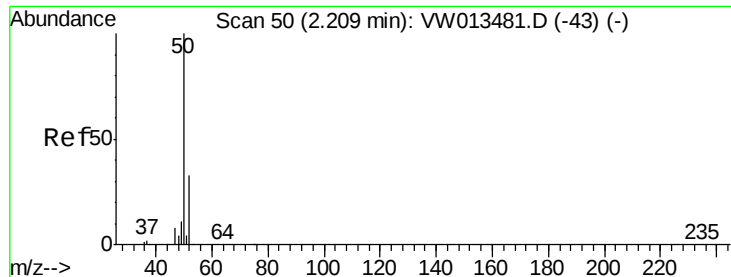
2000

1000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 10.991 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 23523

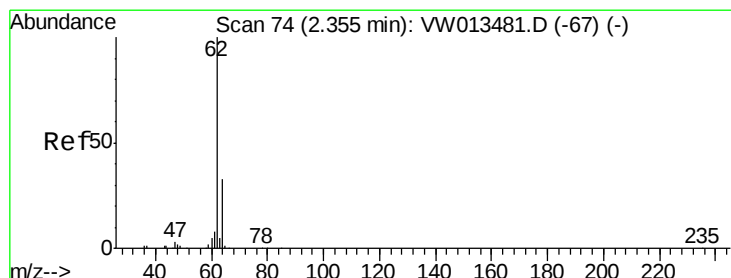
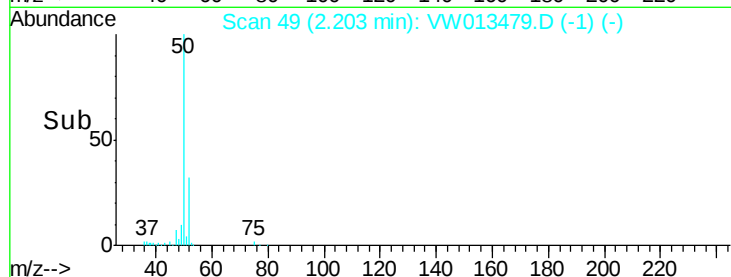
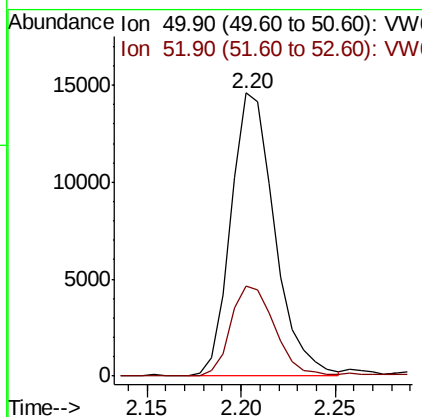
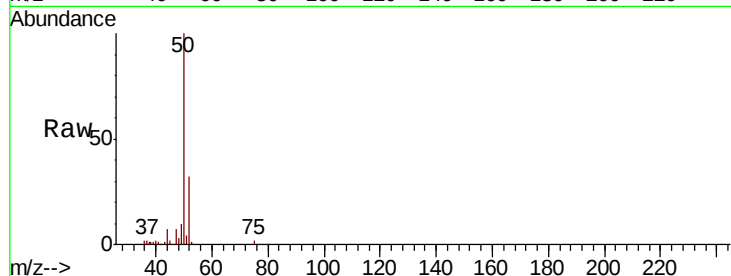
Ion Ratio Lower Upper

50 100

52 31.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 10.604 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013479.D

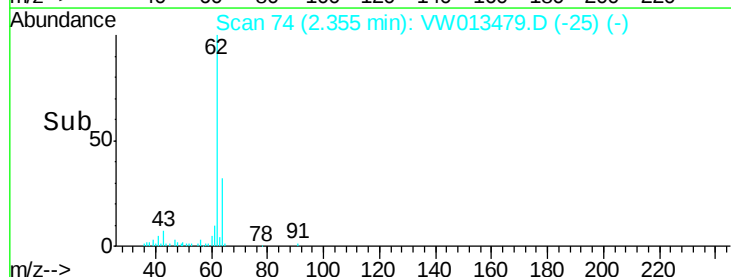
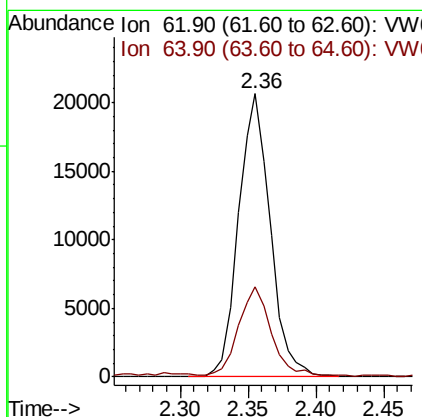
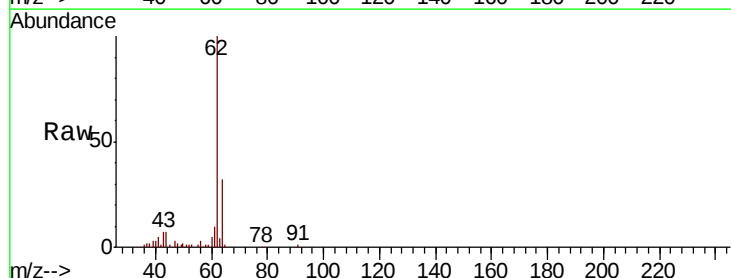
Acq: 08 Oct 2019 10:53

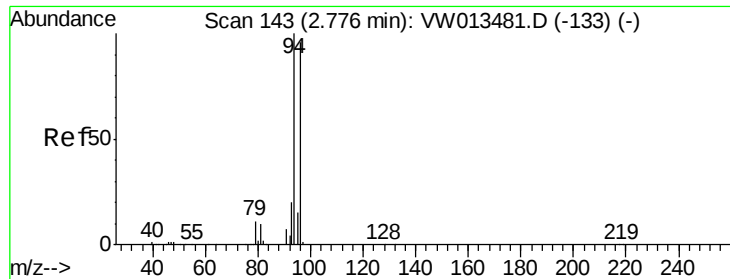
Tgt Ion: 62 Resp: 33477

Ion Ratio Lower Upper

62 100

64 30.8 26.6 39.8





#5

Bromomethane

Concen: 10.475 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 19731

Ion Ratio Lower Upper

94 100

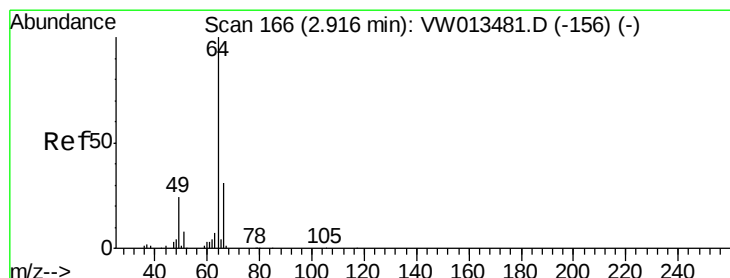
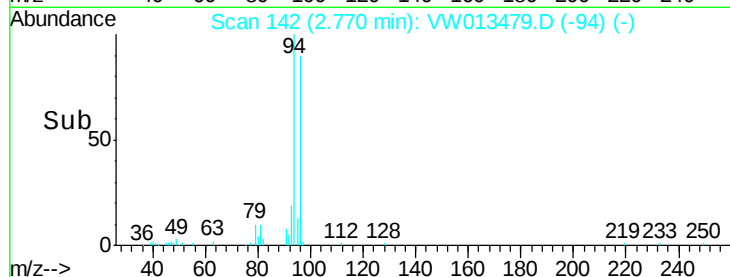
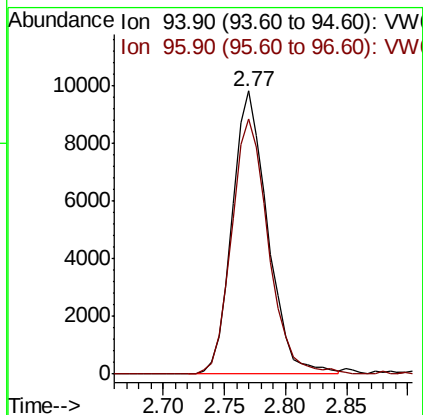
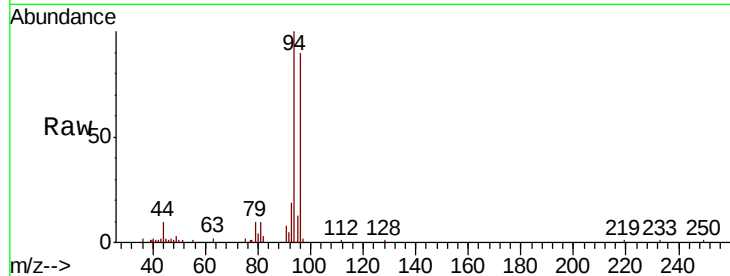
96 90.1 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 10.318 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013479.D

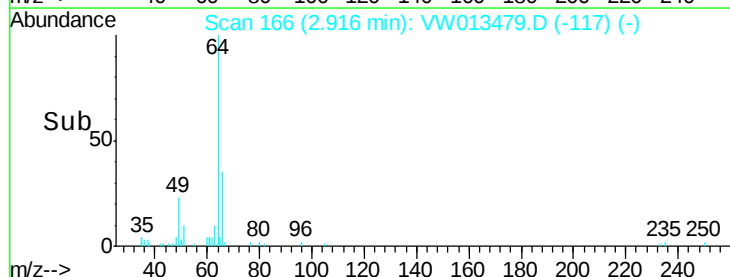
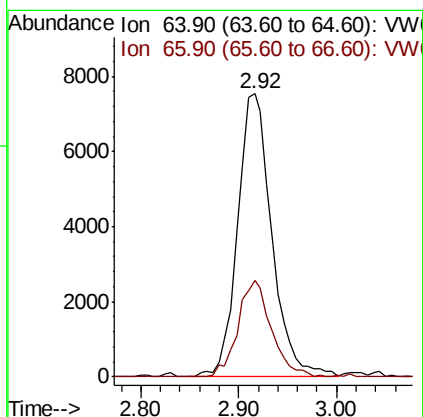
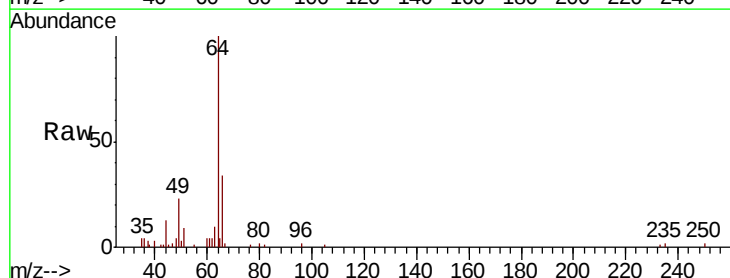
Acq: 08 Oct 2019 10:53

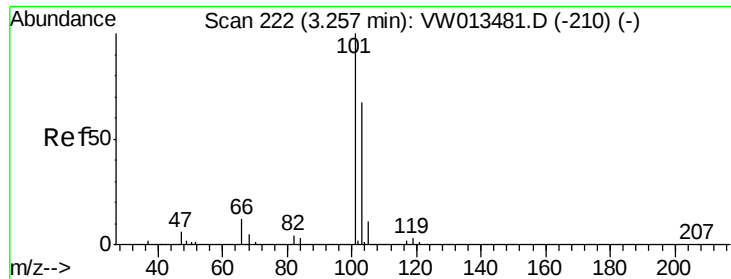
Tgt Ion: 64 Resp: 18293

Ion Ratio Lower Upper

64 100

66 34.3 25.0 37.4





#7

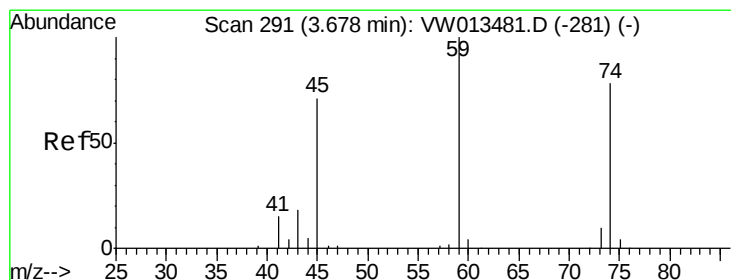
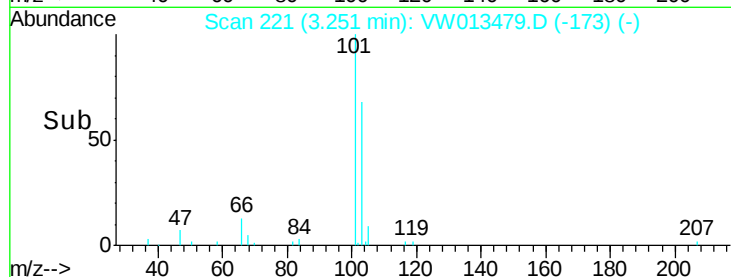
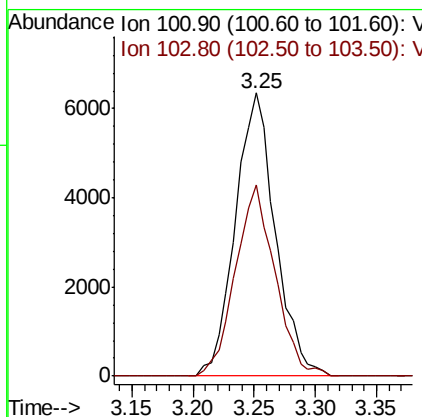
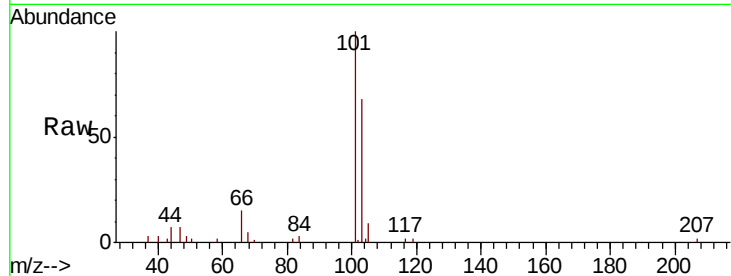
Trichlorofluoromethane
Concen: 9.638 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW013479.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	53.7	80.5

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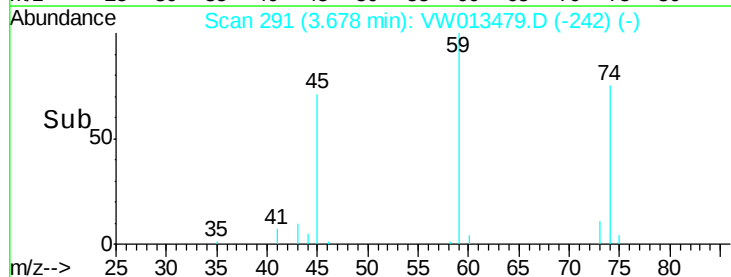
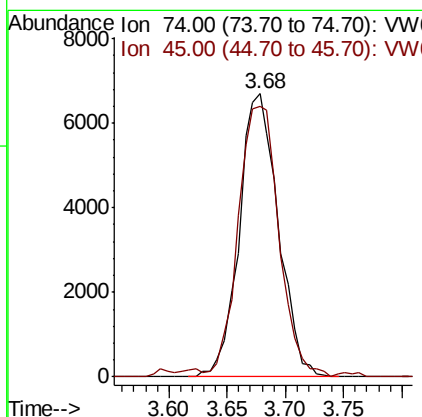
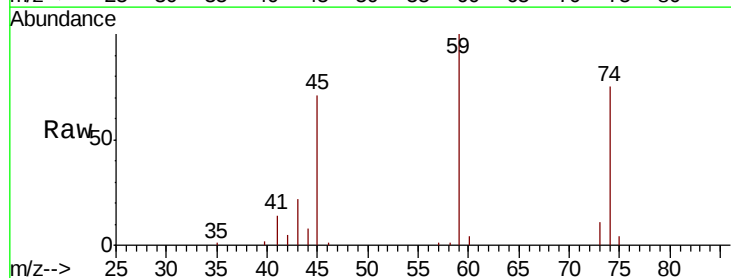
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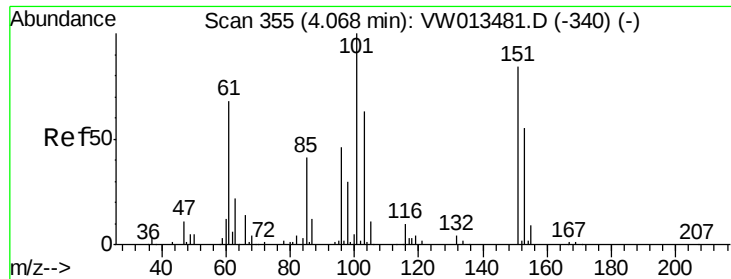


#8

Diethyl Ether
Concen: 10.124 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	50.0	150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.577 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

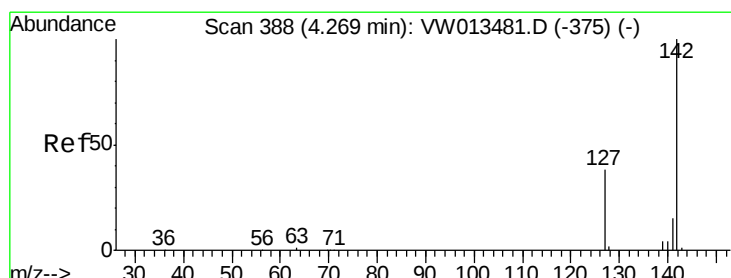
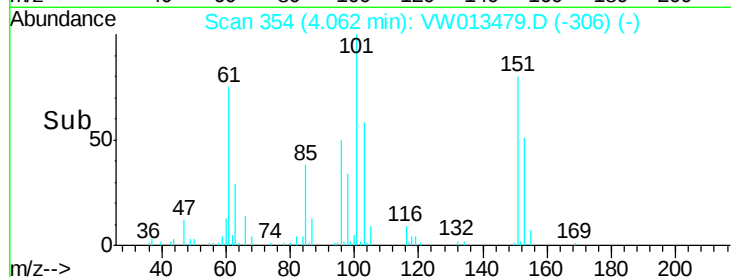
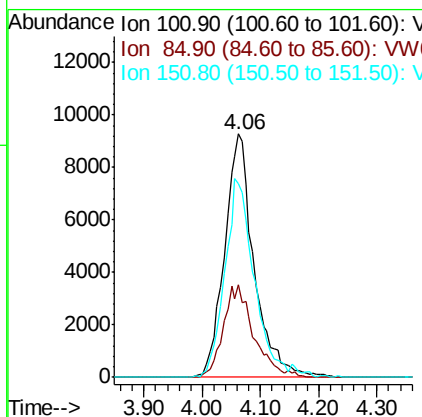
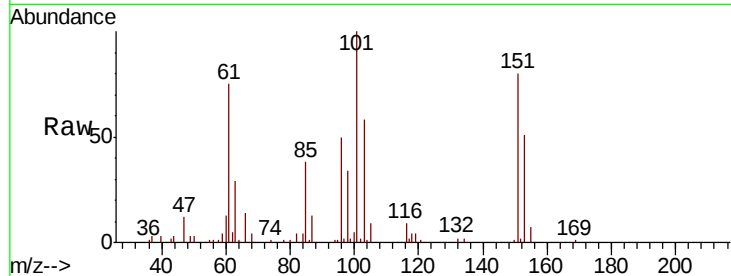
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	32561
Ion Ratio	Lower	Upper	
101	100		
85	39.0	31.6	47.4
151	80.5	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 10.583 ug/l

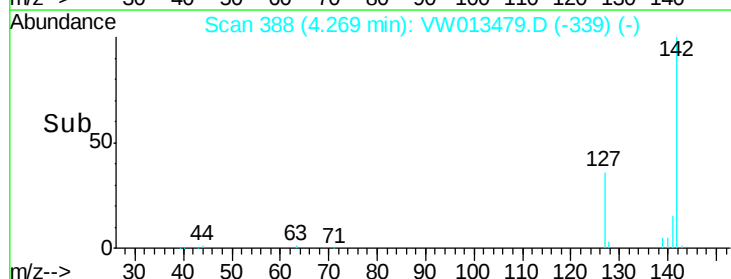
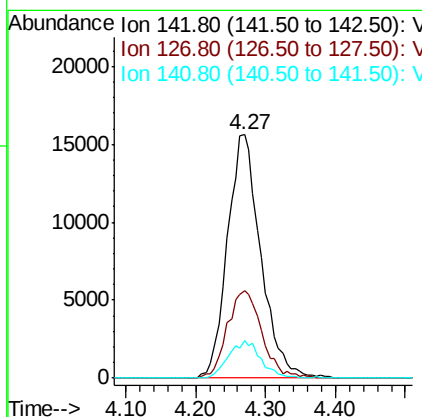
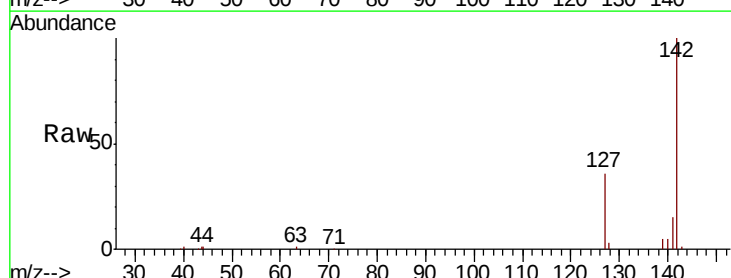
RT: 4.27 min Scan# 388

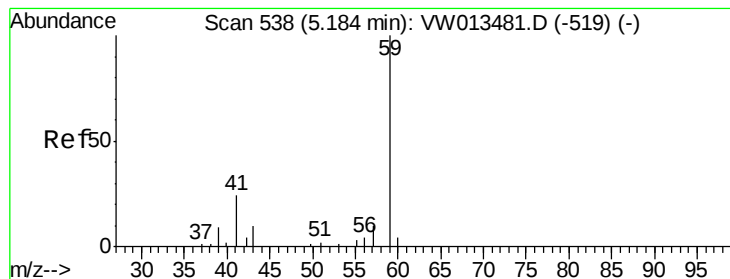
Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	142	Resp:	51591
Ion Ratio	Lower	Upper	
142	100		
127	37.3	29.6	44.4
141	14.9	12.1	18.1





#11

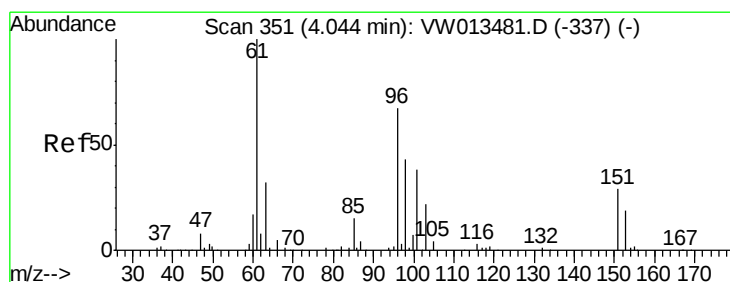
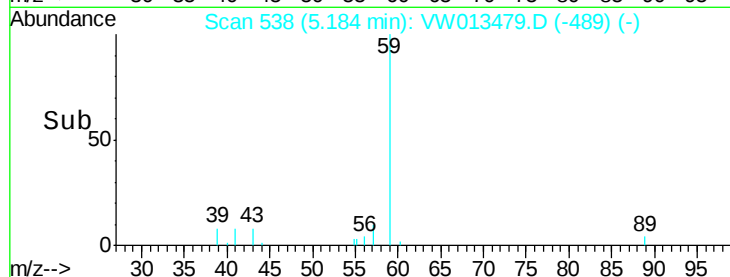
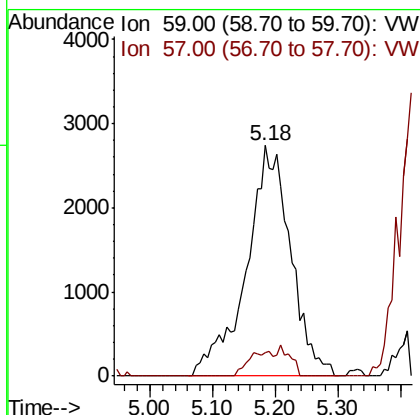
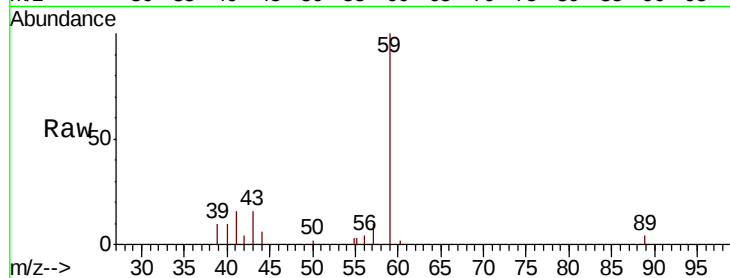
Tert butyl alcohol
 Concen: 61.849 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.6	8.2	12.4#

Manual Integrations
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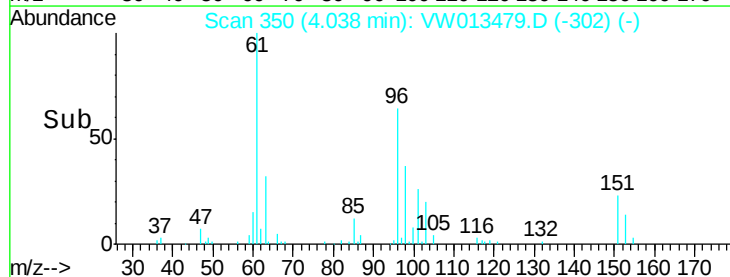
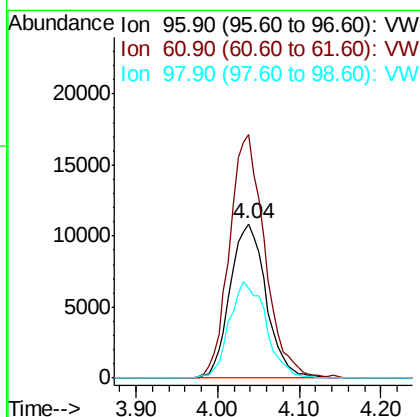
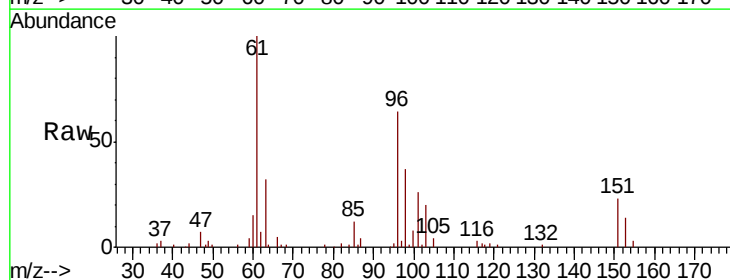
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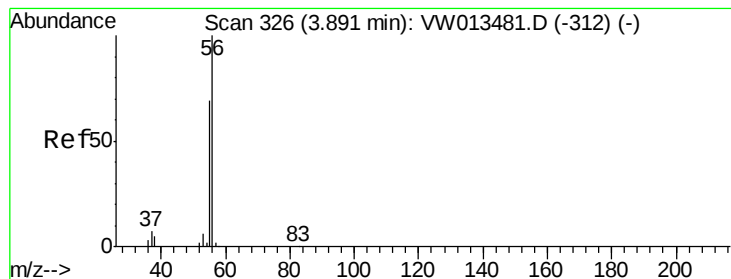


#12

1,1-Dichloroethene
 Concen: 10.431 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	119.4	179.0
98	58.0	51.1	76.7





#13

Acrolein

Concen: 58.268 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 13491

Ion Ratio Lower Upper

56 100

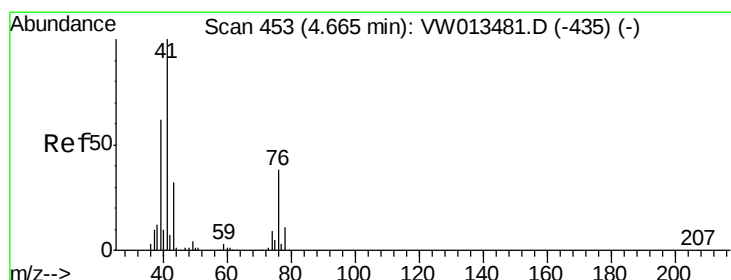
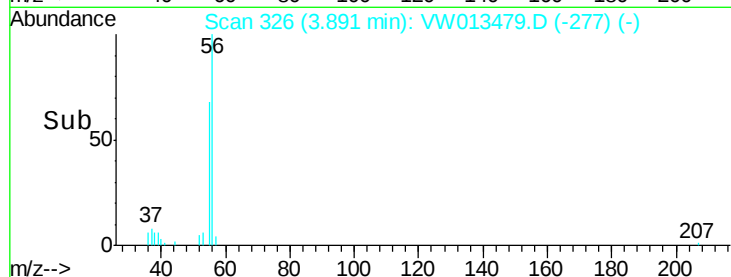
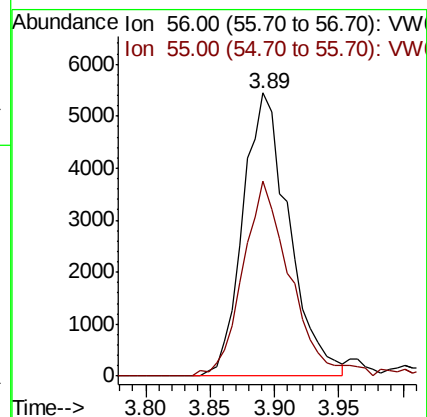
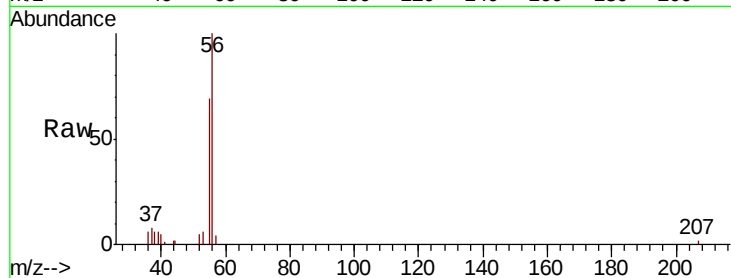
55 71.0 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 10.280 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

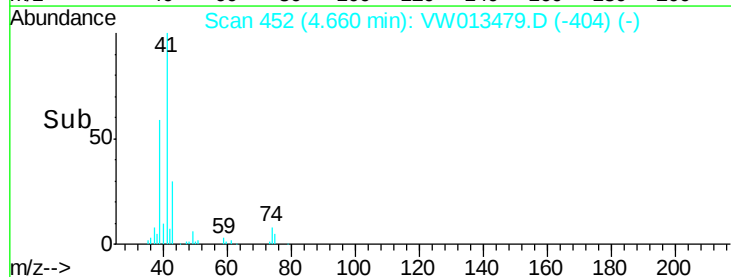
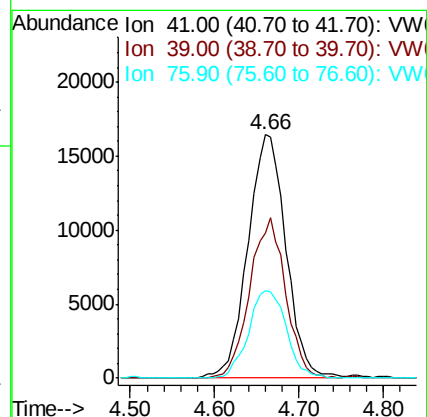
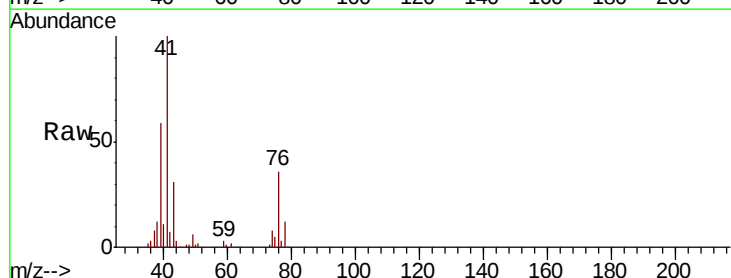
Tgt Ion: 41 Resp: 50402

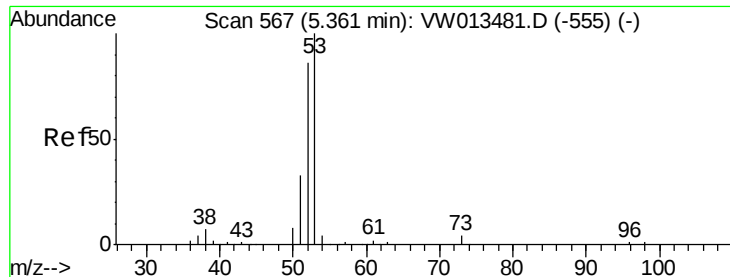
Ion Ratio Lower Upper

41 100

39 61.9 50.1 75.1

76 35.6 29.0 43.4





#15

Acrylonitrile

Concen: 50.635 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

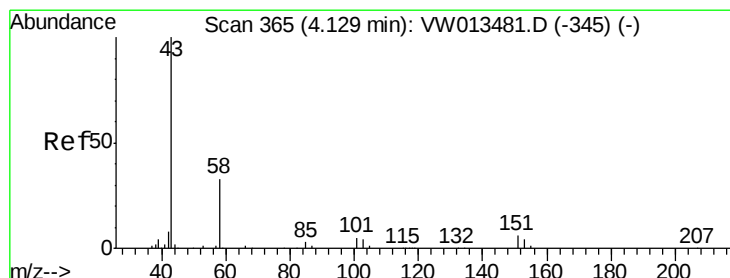
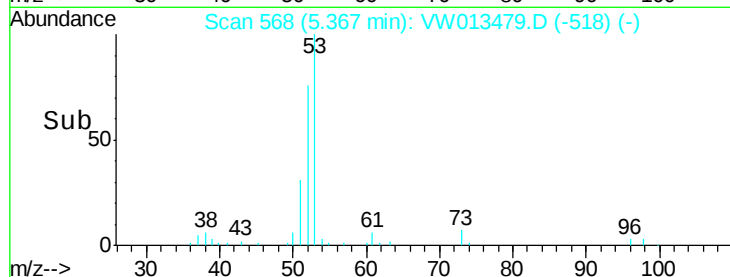
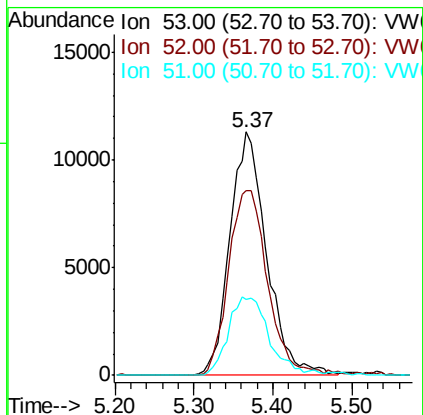
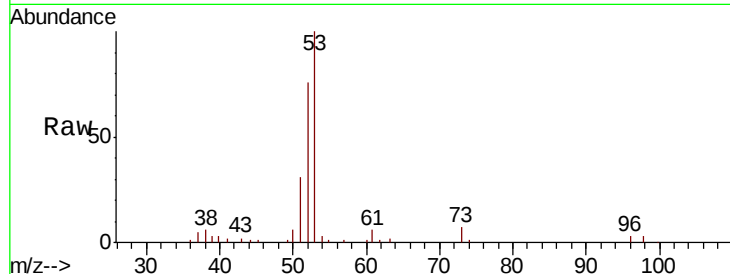
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	36589
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.8	98.8
51	35.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 47.423 ug/l

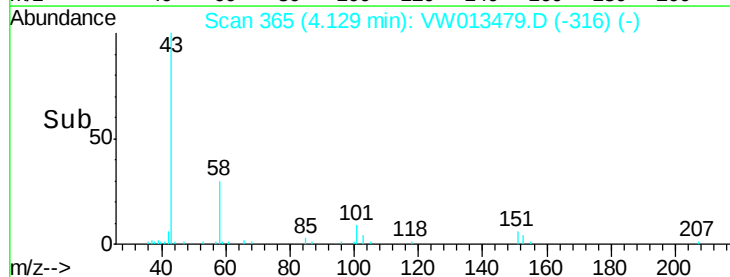
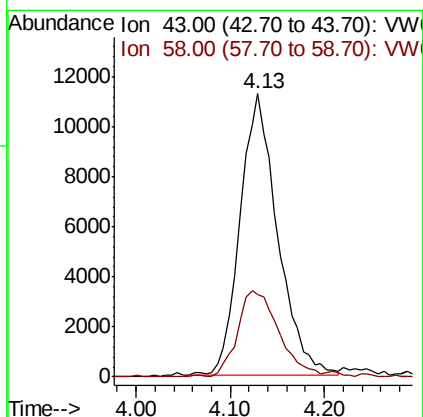
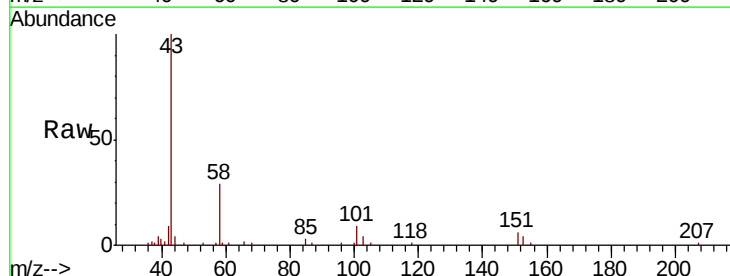
RT: 4.13 min Scan# 365

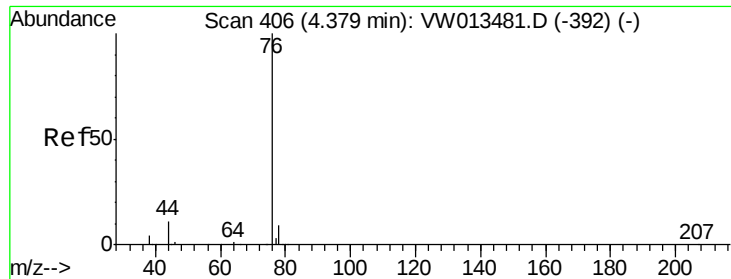
Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	43	Resp:	31342
Ion	Ratio	Lower	Upper
43	100		
58	29.5	26.1	39.1





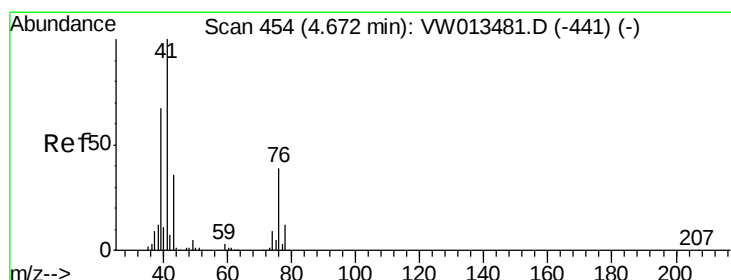
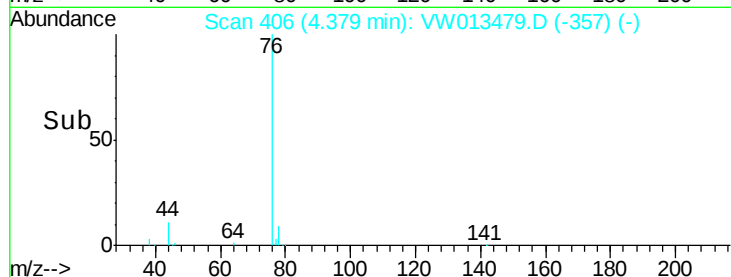
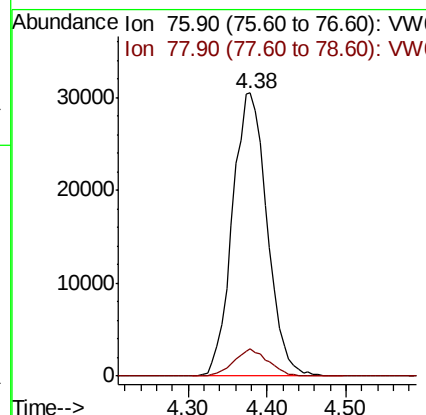
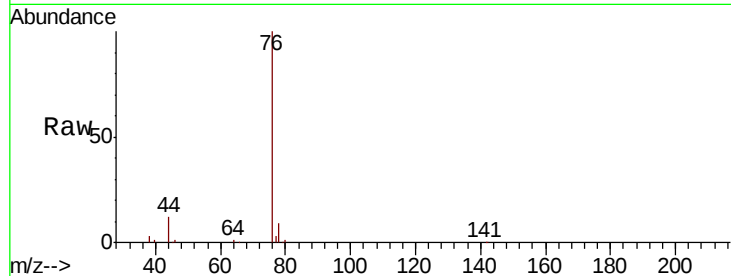
#17
Carbon Disulfide
Concen: 10.404 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

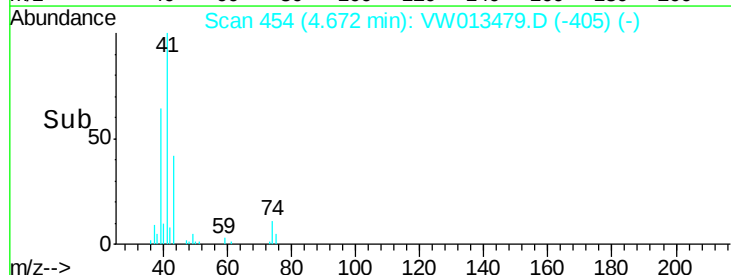
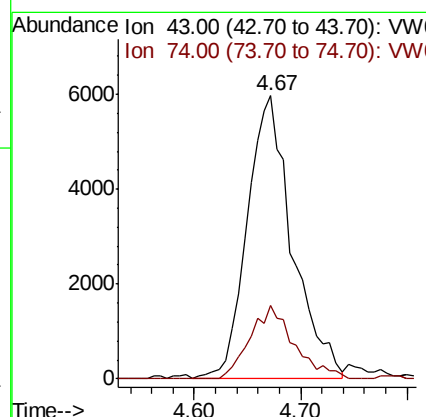
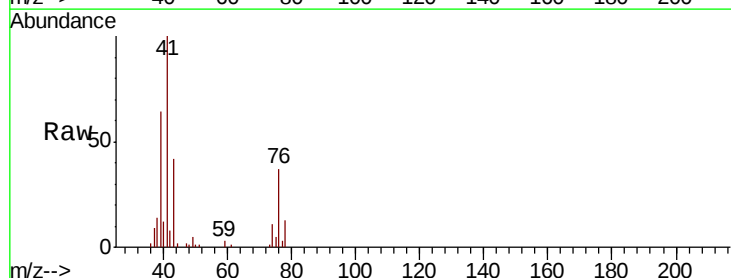
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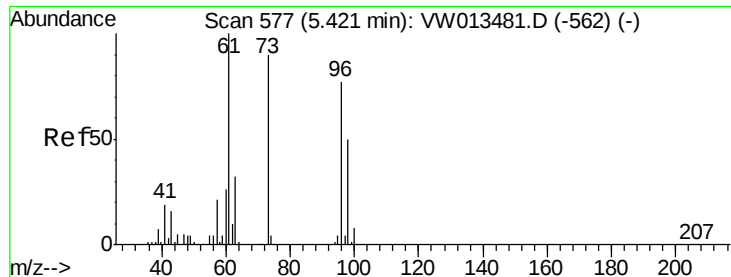
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#18
Methyl Acetate
Concen: 9.358 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.6	29.4





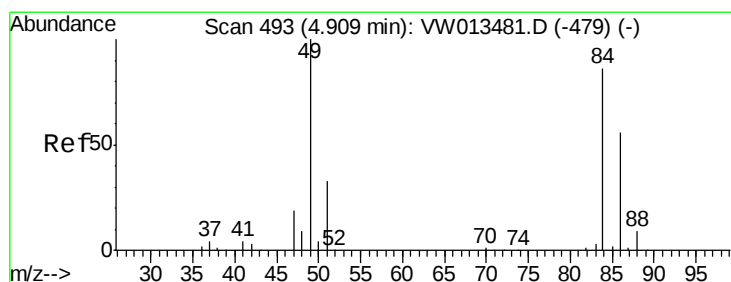
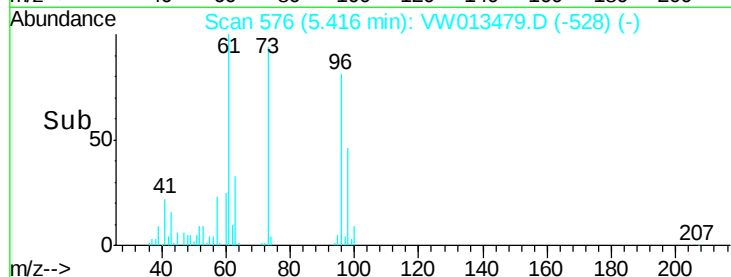
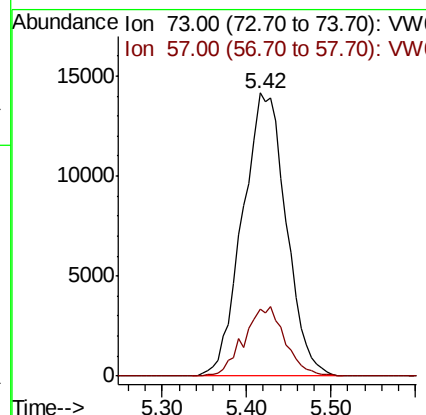
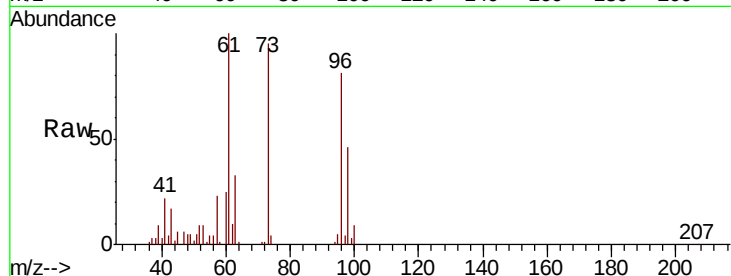
#19
Methyl tert-butyl Ether
Concen: 10.322 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.6	27.8

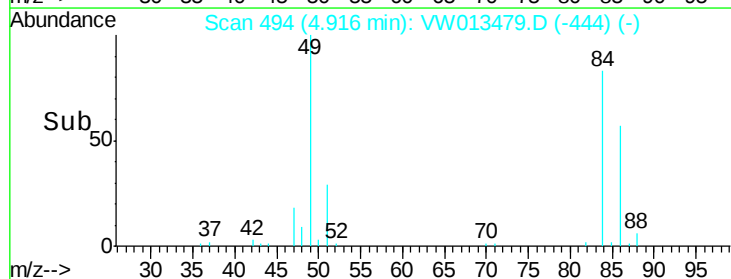
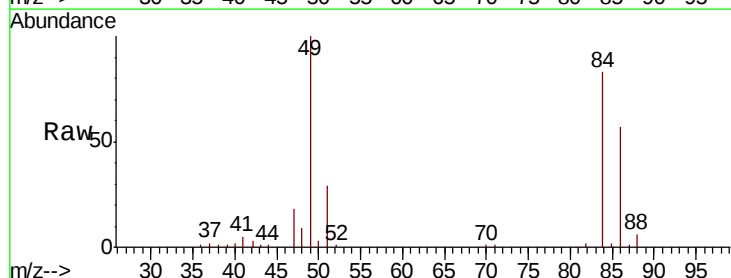
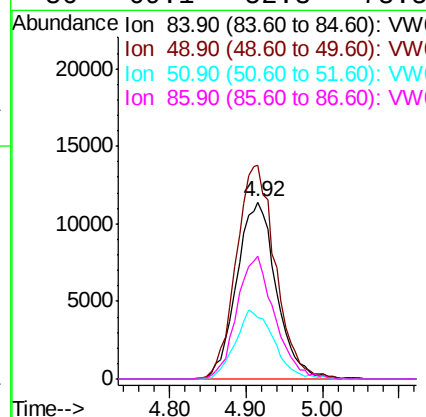
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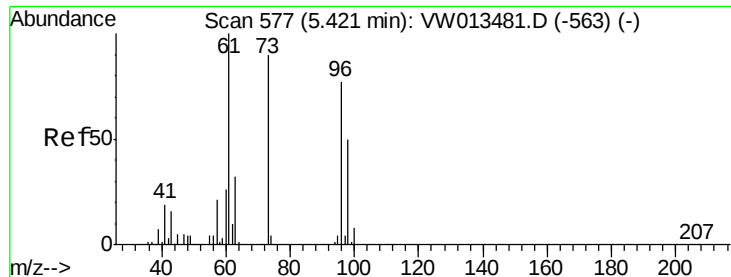
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#20
Methylene Chloride
Concen: 11.268 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	93.4	140.0
51	34.9	30.6	46.0
86	69.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 10.393 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

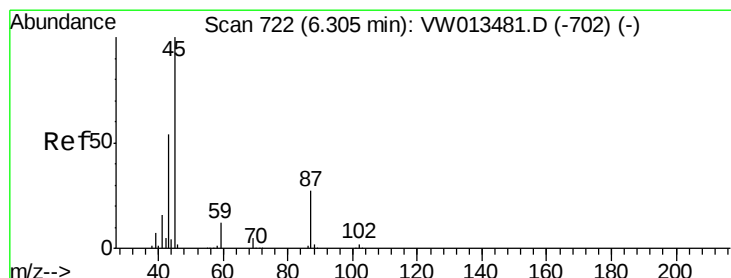
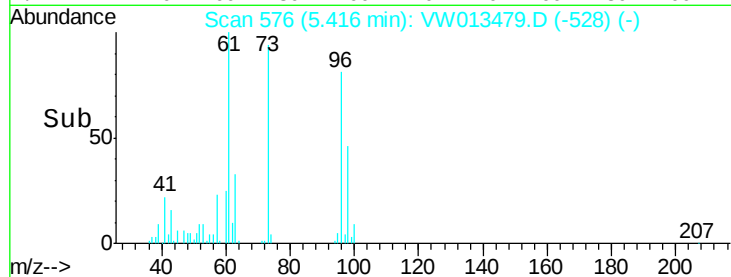
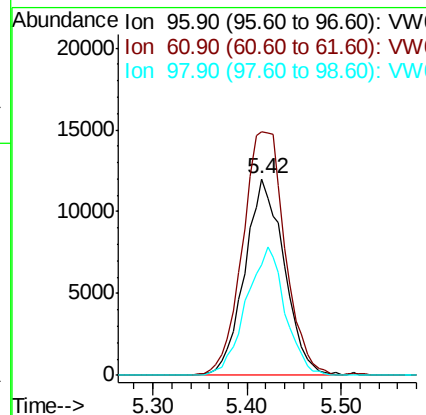
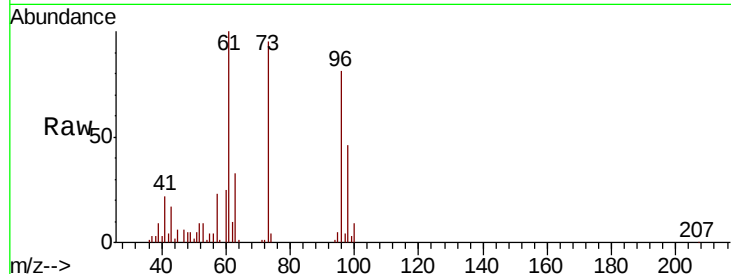
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	35233
Ion	Ratio	Lower	Upper
96	100		
61	123.8	104.3	156.5
98	56.3	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 10.301 ug/l

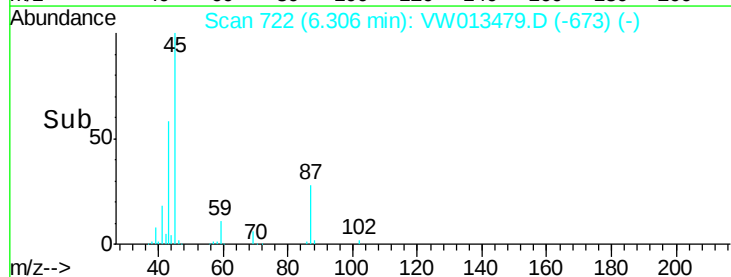
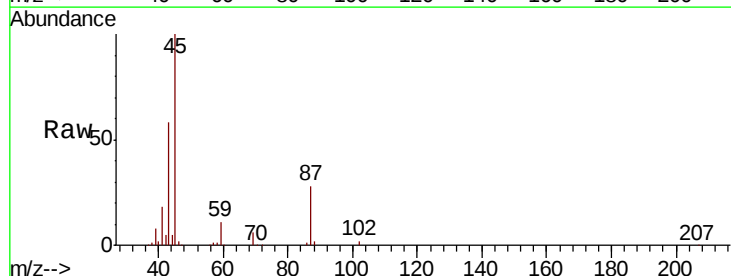
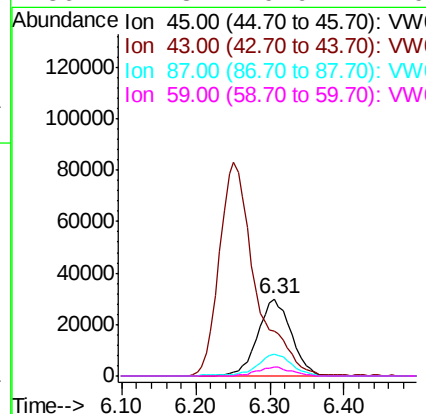
RT: 6.31 min Scan# 722

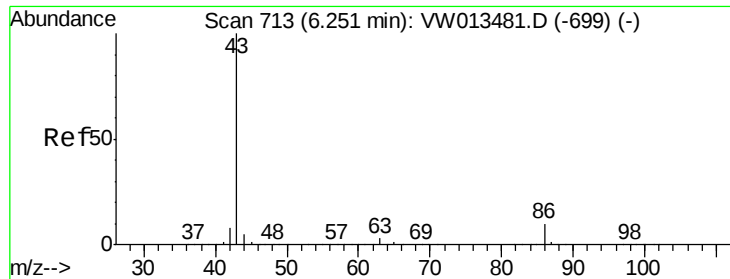
Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	45	Resp:	94626
Ion	Ratio	Lower	Upper
45	100		
43	57.4	43.4	65.0
87	27.9	22.1	33.1
59	11.3	9.9	14.9





#23

Vinyl Acetate

Concen: 50.944 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 280961

Ion Ratio Lower Upper

43 100

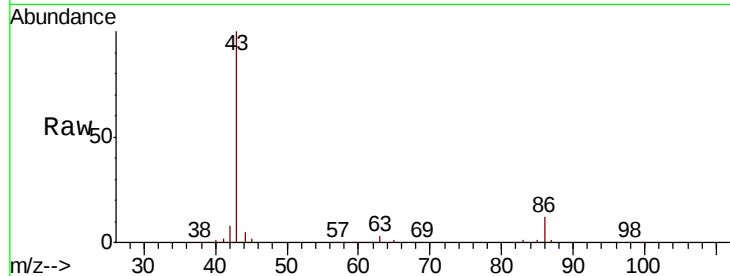
86 11.9 8.3 12.5

Manual Integrations

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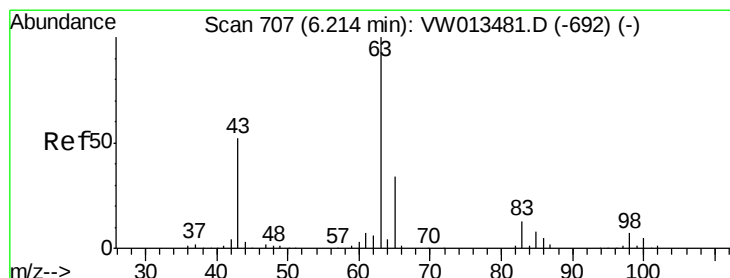
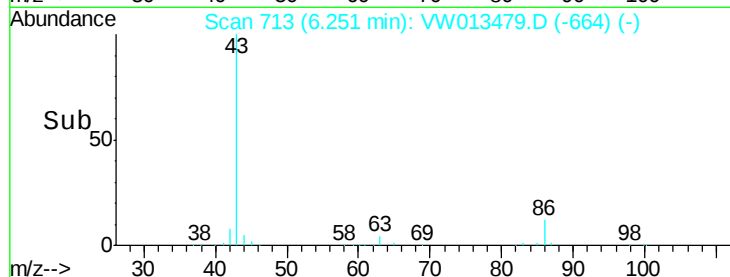
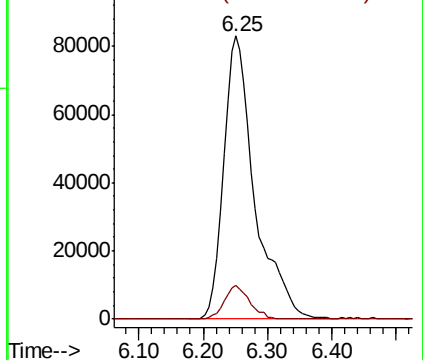
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 10.398 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

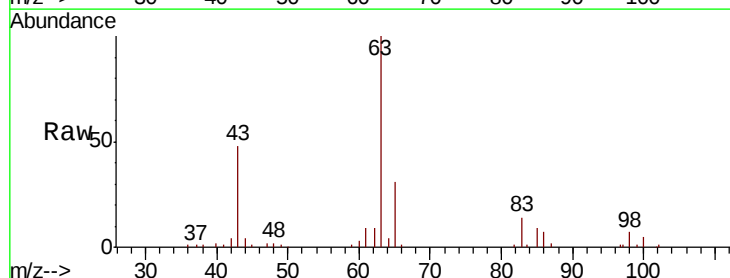
Tgt Ion: 63 Resp: 58383

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.6

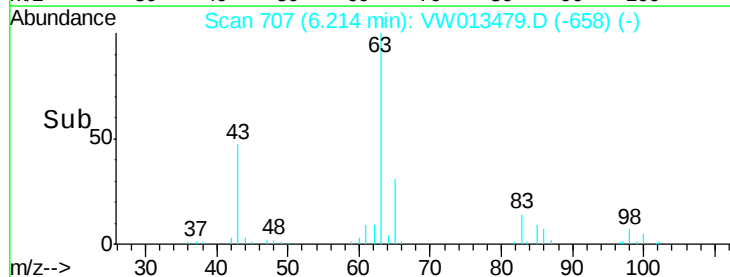
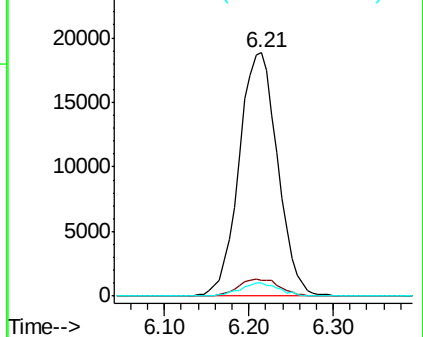
100 5.4 2.3 6.8

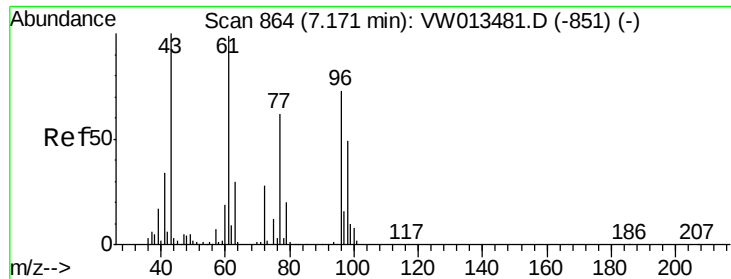


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 48.604 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 47340

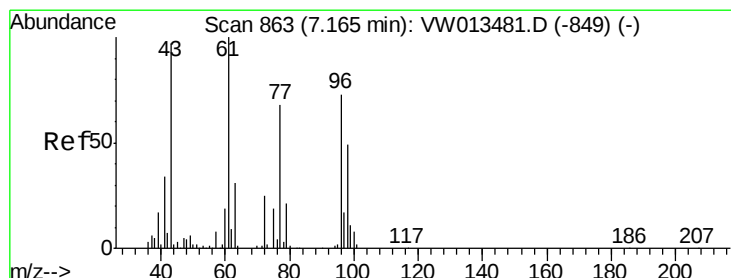
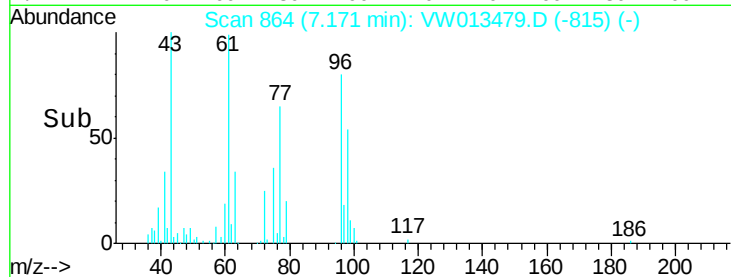
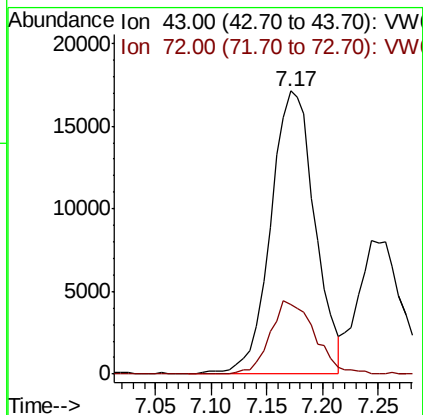
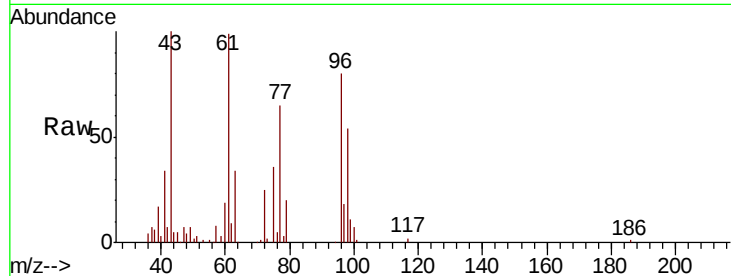
Ion Ratio Lower Upper

43 100

72 24.8 22.1 33.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 10.411 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013479.D

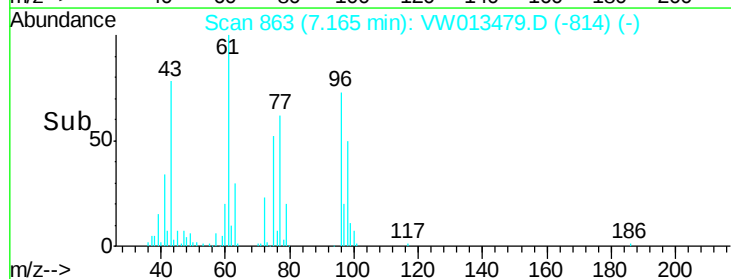
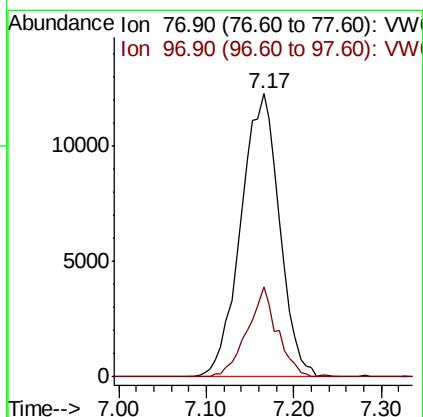
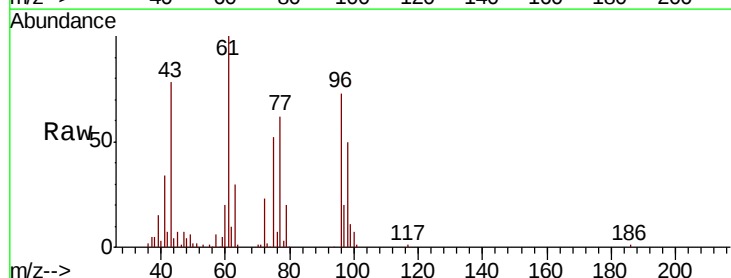
Acq: 08 Oct 2019 10:53

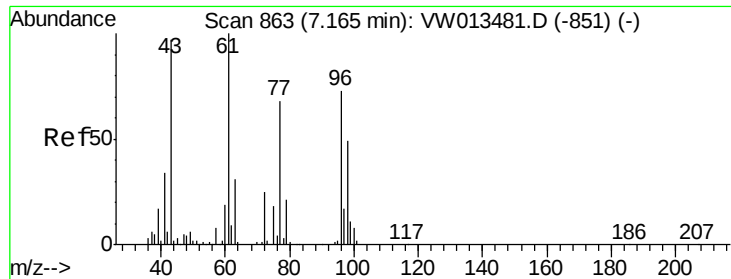
Tgt Ion: 77 Resp: 37685

Ion Ratio Lower Upper

77 100

97 24.6 12.6 37.6





#27

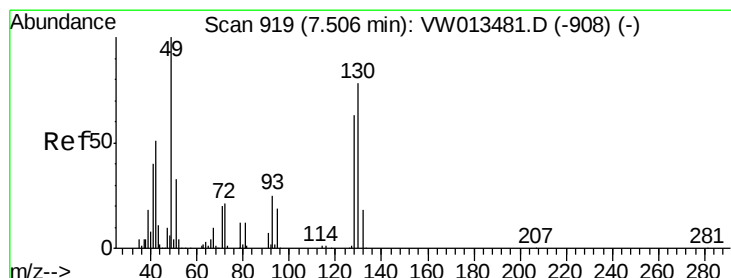
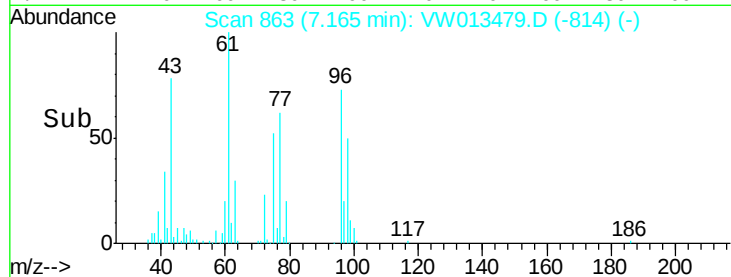
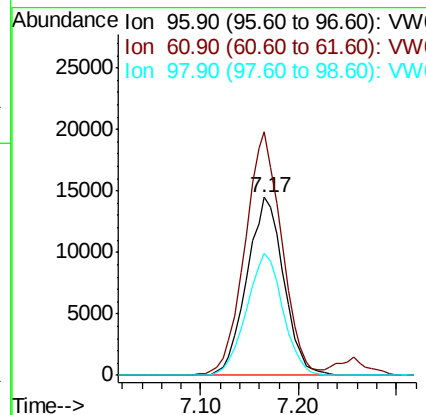
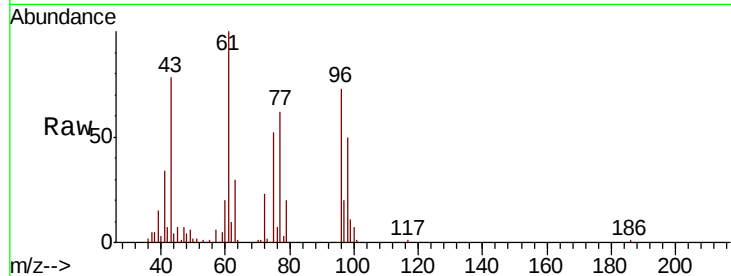
cis-1,2-Dichloroethene
 Concen: 10.525 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	274.4
98	67.6	0.0	130.2

Manual Integrations
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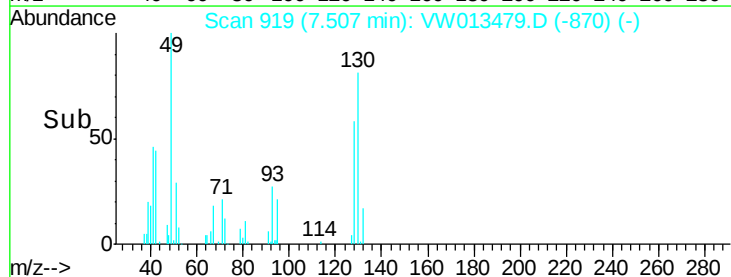
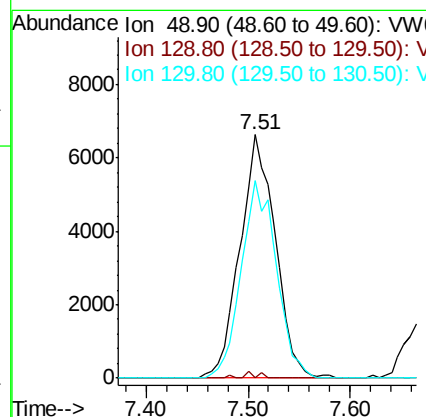
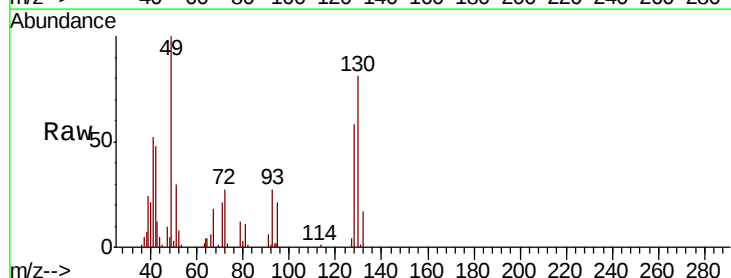
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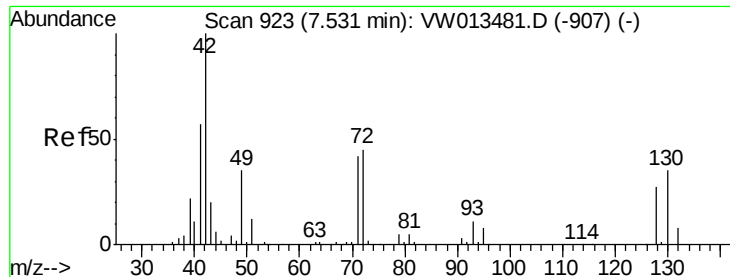


#28

Bromochloromethane
 Concen: 7.975 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.6
130	80.7	0.0	0.0#





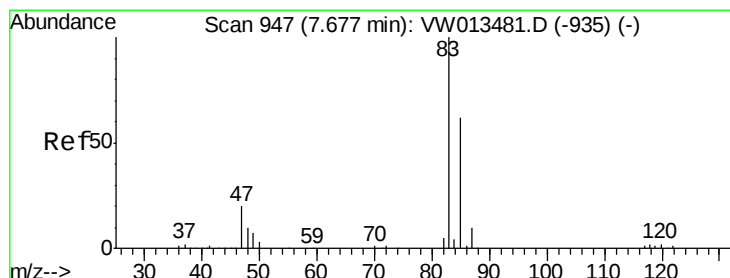
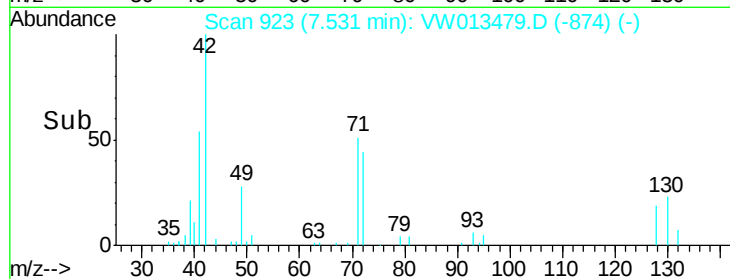
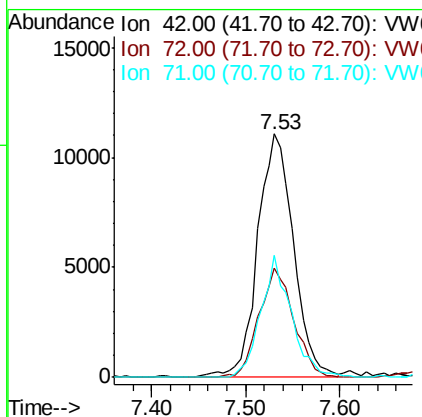
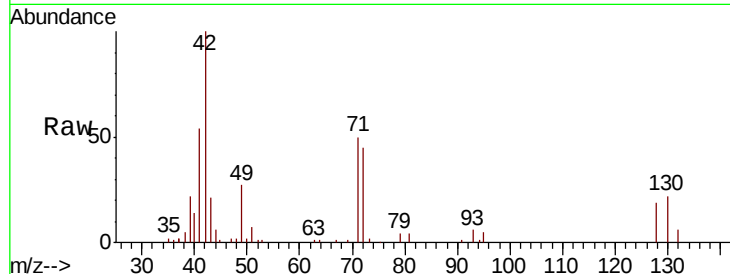
#29
Tetrahydrofuran
Concen: 49.653 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion:	42	Resp:	29558
Ion Ratio		Lower	Upper
42	100		
72	43.6	34.8	52.2
71	42.8	33.6	50.4

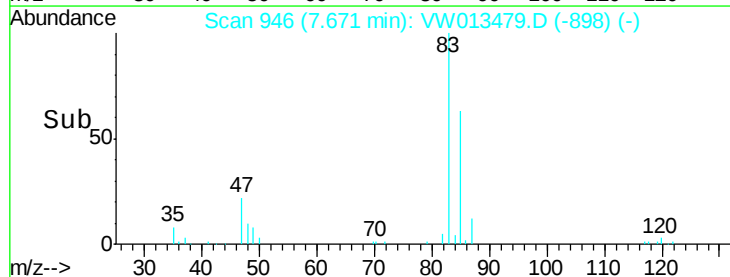
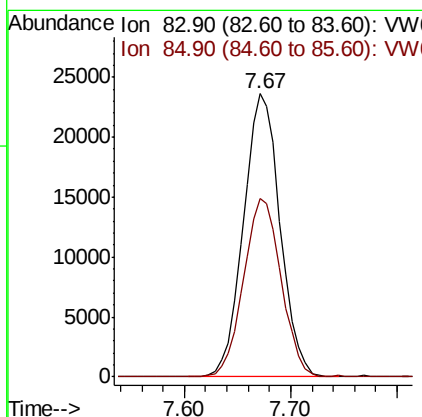
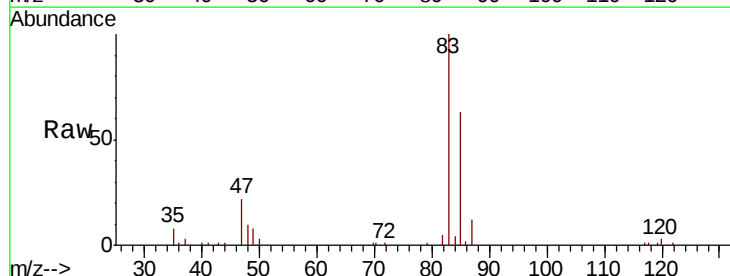
Manual Integrations
APPROVED

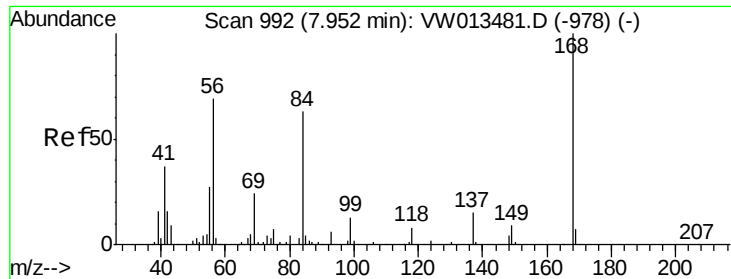
MMDadoda
10/9/2019 4:08:38 PM



#30
Chloroform
Concen: 10.495 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion:	83	Resp:	56996
Ion Ratio		Lower	Upper
83	100		
85	63.2	49.4	74.2





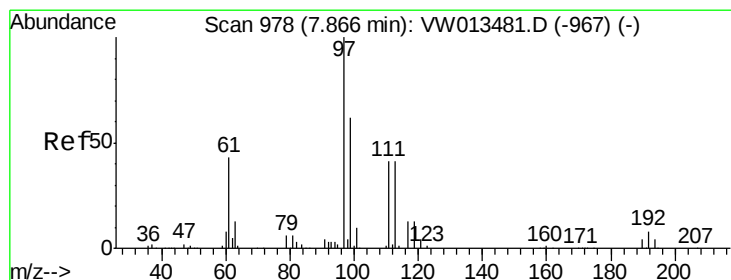
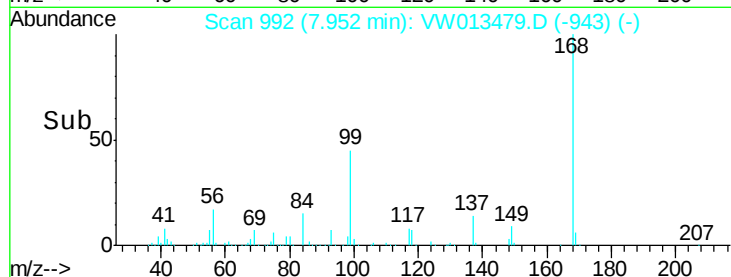
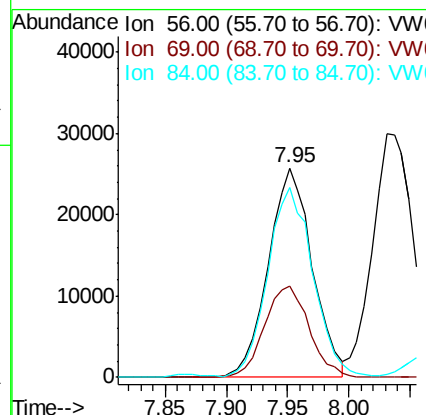
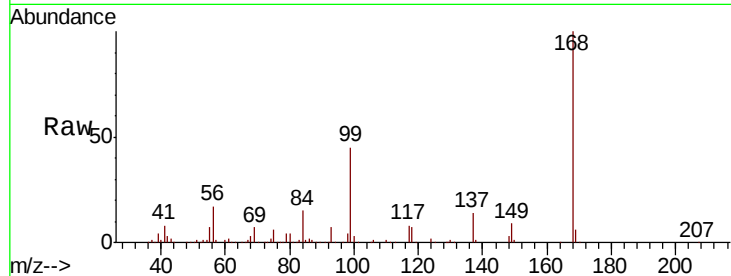
#31
Cyclohexane
Concen: 10.818 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.5	28.0	42.0#
84	89.1	71.8	107.6

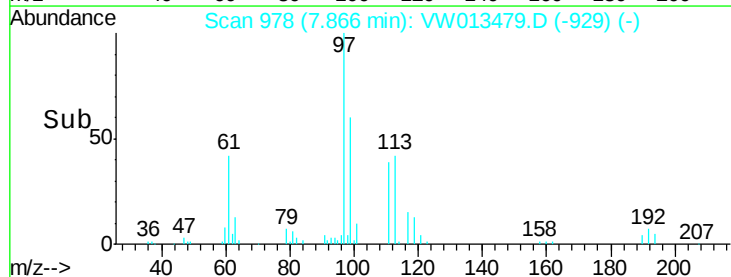
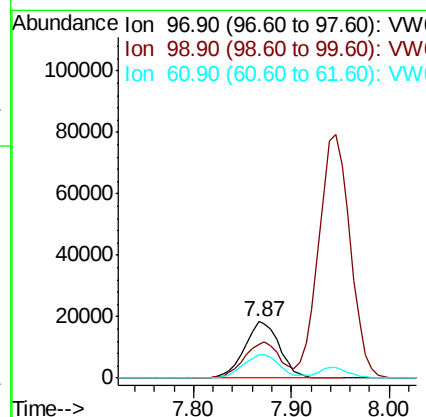
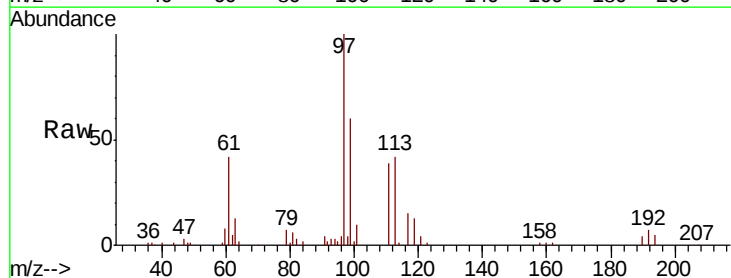
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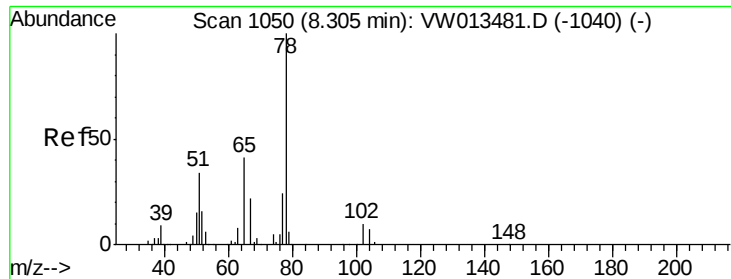
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#32
1,1,1-Trichloroethane
Concen: 10.409 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	43.2	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 9.887 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 65 Resp: 28080

Ion Ratio Lower Upper

65 100

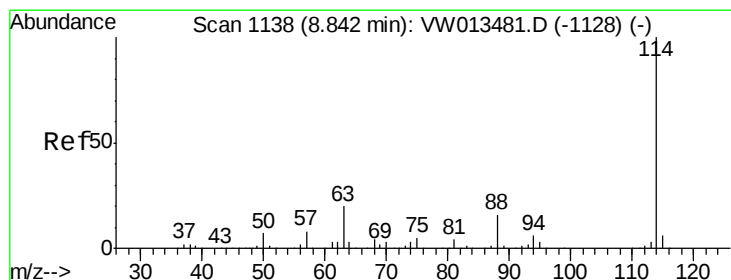
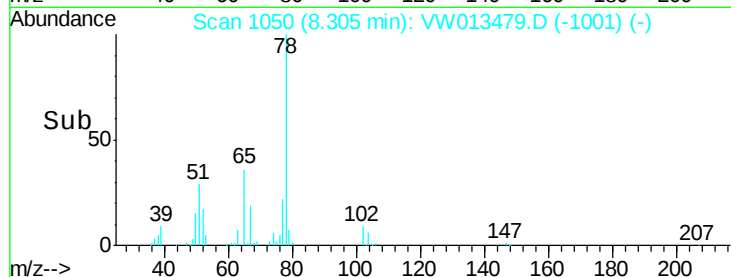
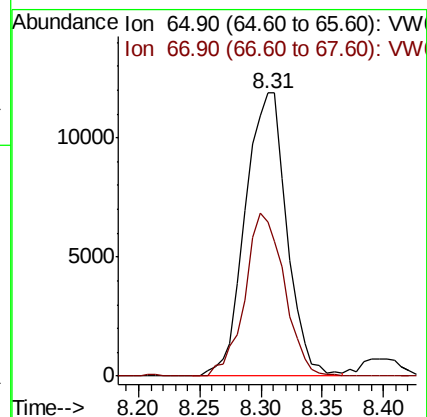
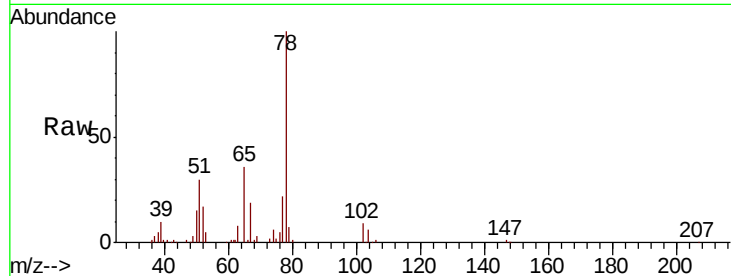
67 54.6 0.0 109.4

Manual Integrations

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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: VW013479.D

Acq: 08 Oct 2019 10:53

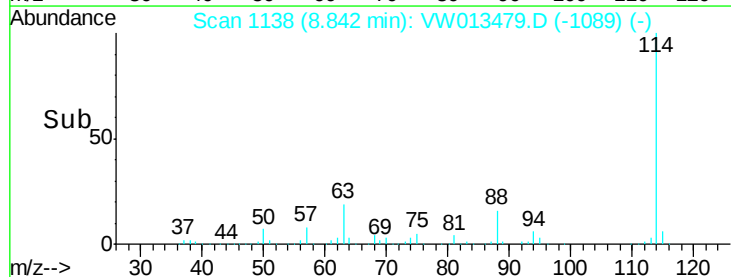
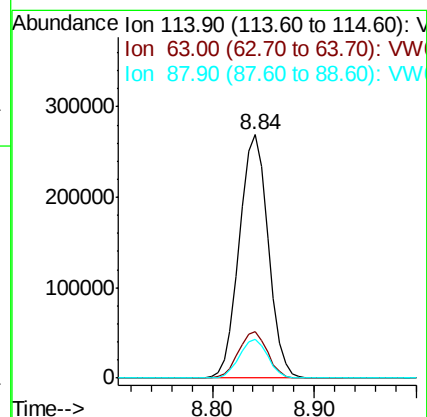
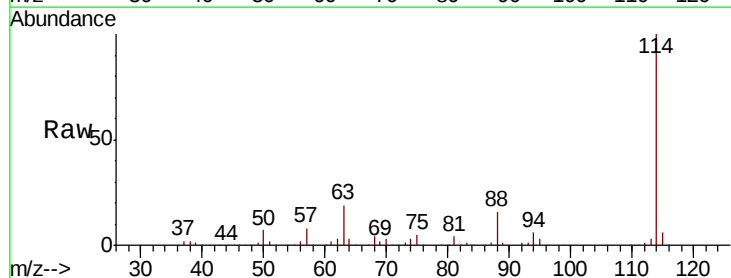
Tgt Ion: 114 Resp: 528089

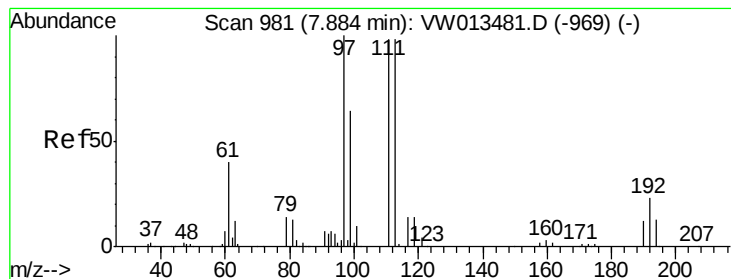
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 9.530 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

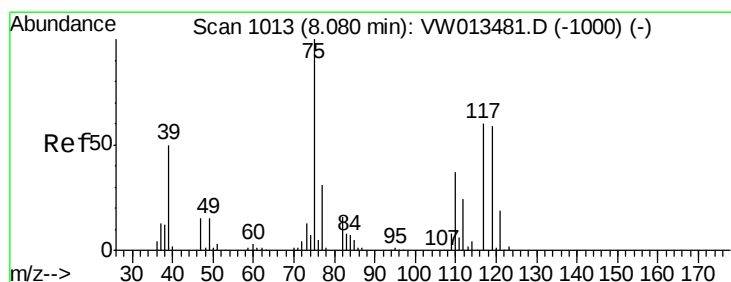
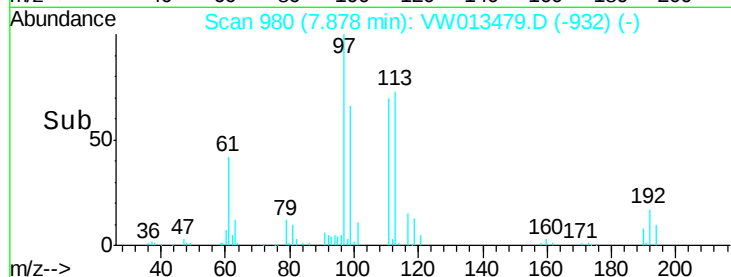
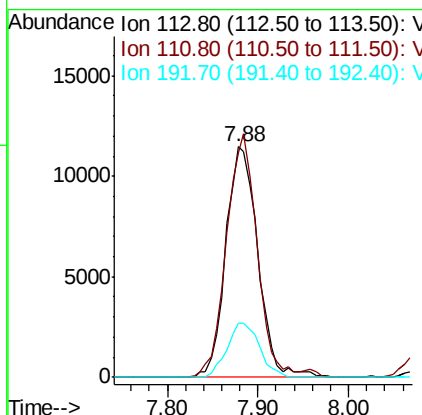
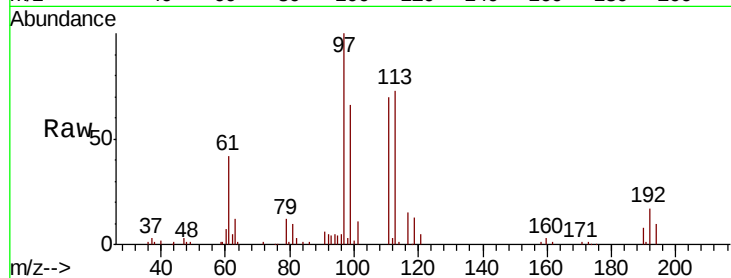
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	28109
Ion Ratio	Lower	Upper	
113	100		
111	101.1	82.3	123.5
192	23.9	19.3	28.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.365 ug/l

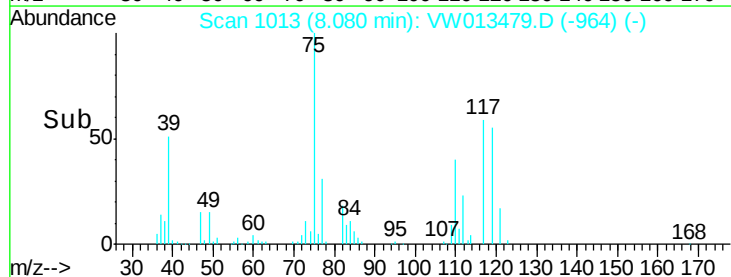
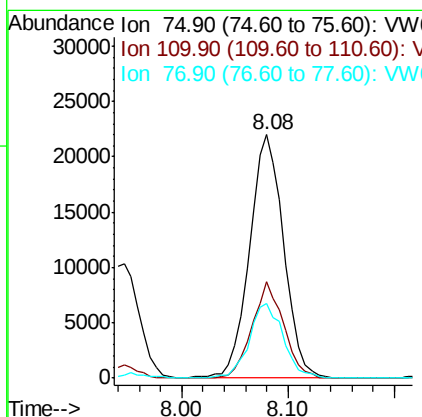
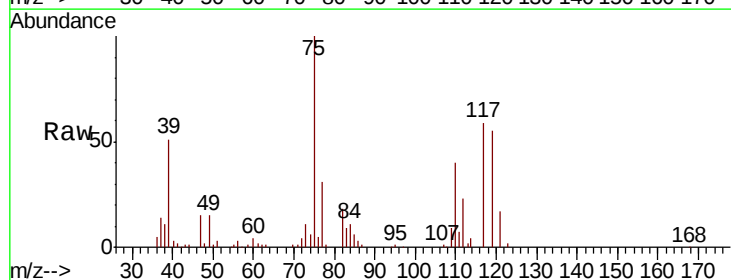
RT: 8.08 min Scan# 1013

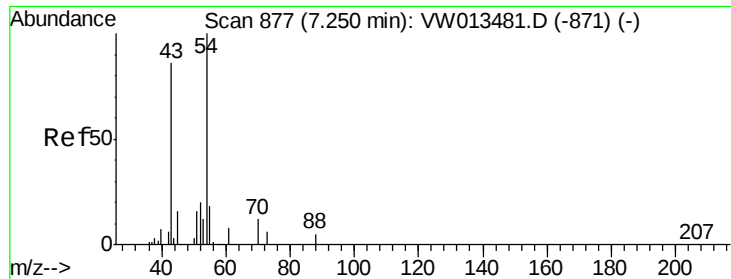
Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	75	Resp:	49518
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.4	55.2
77	30.4	25.0	37.4





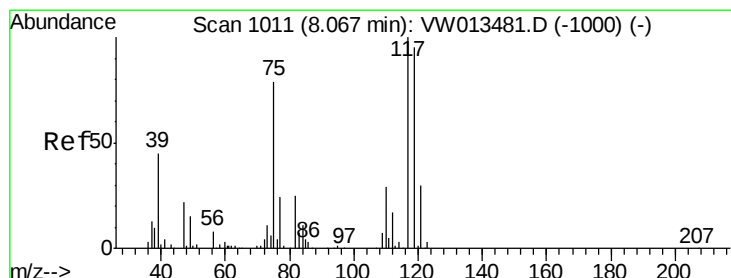
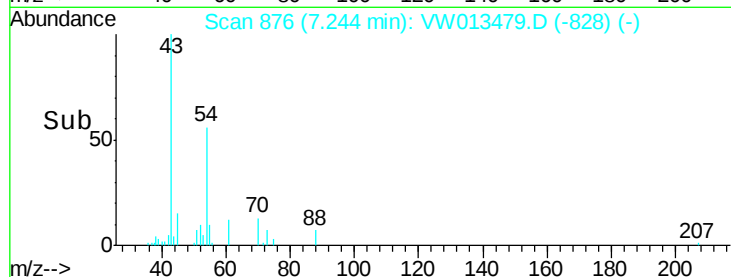
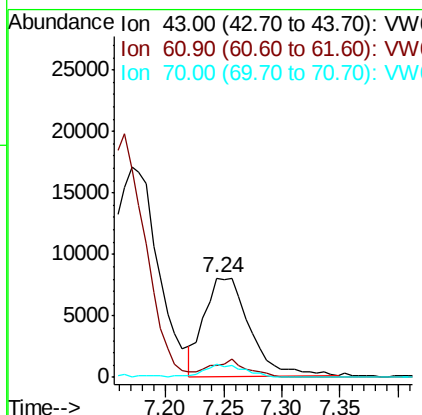
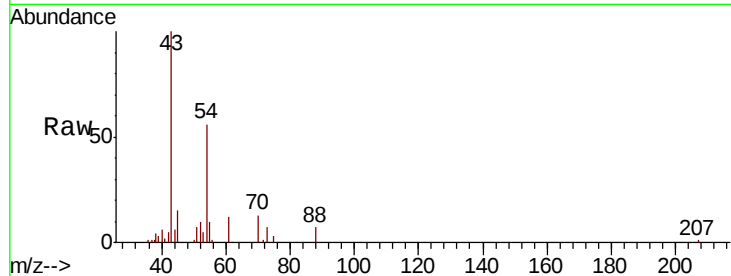
#37
Ethyl Acetate
Concen: 10.017 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	11.6	9.2	13.8

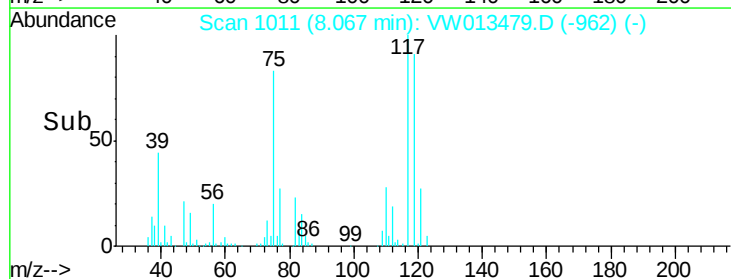
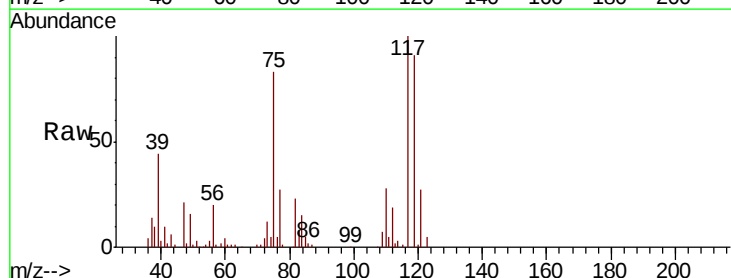
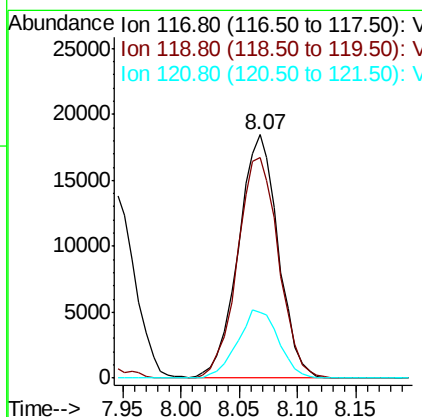
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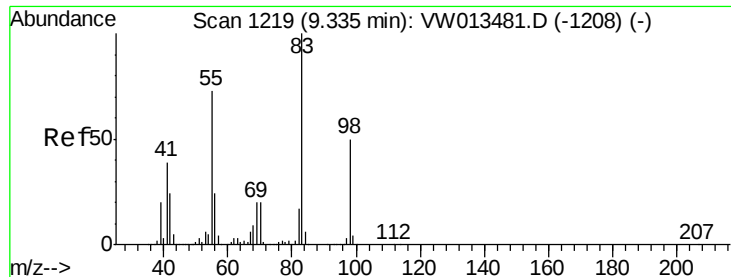
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#38
Carbon Tetrachloride
Concen: 10.394 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	76.3	114.5
121	27.1	23.6	35.4





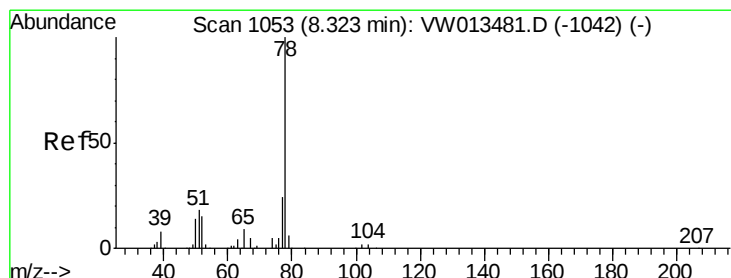
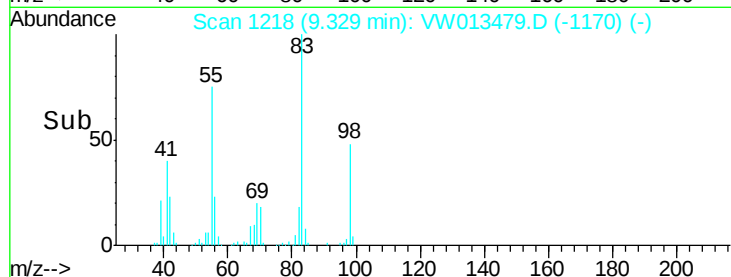
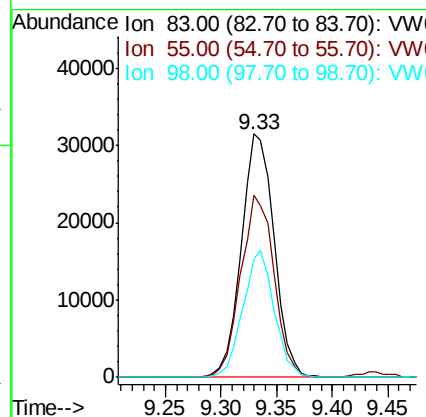
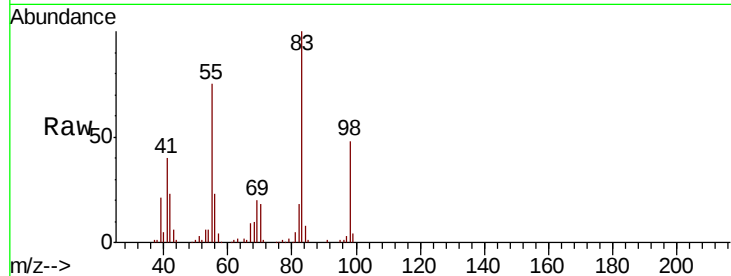
#39
Methvlcvclohexane
Concen: 10.396 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	58.2	87.4
98	48.4	39.8	59.6

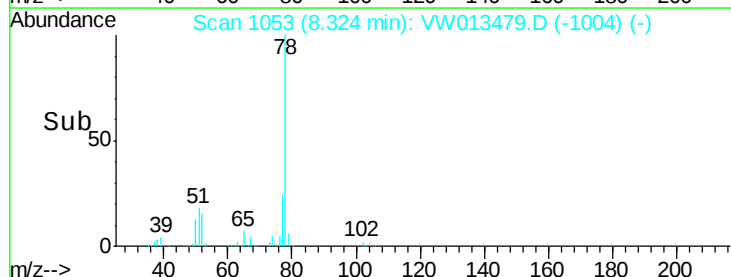
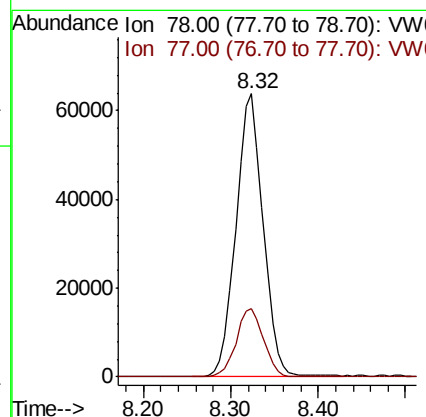
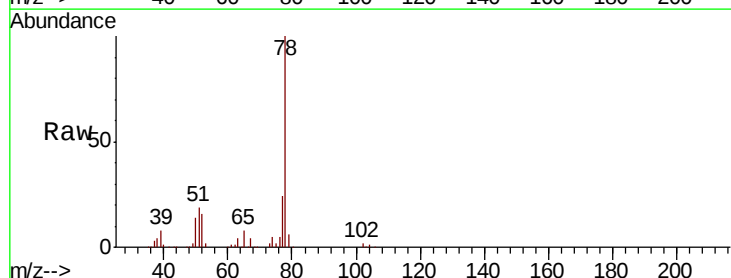
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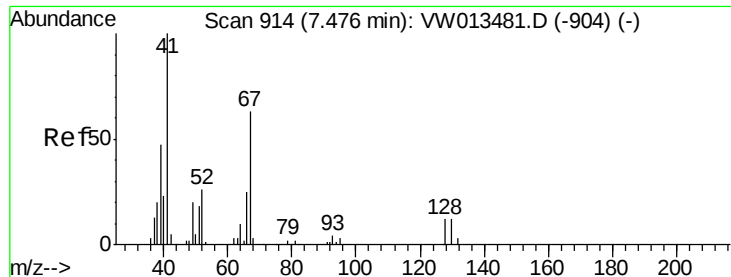
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#40
Benzene
Concen: 10.369 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





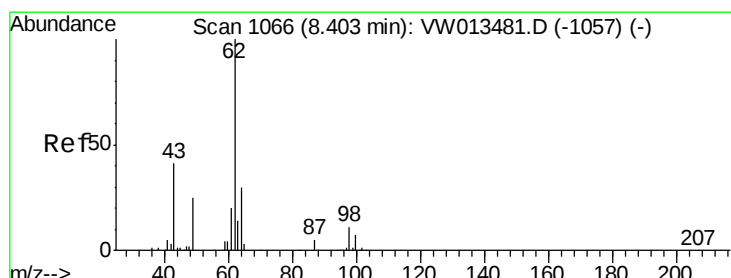
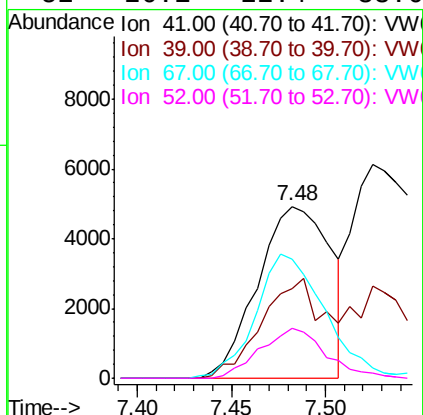
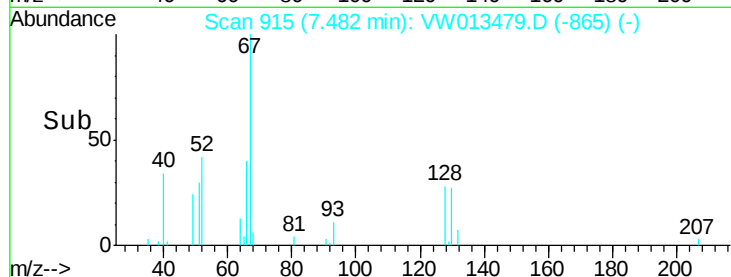
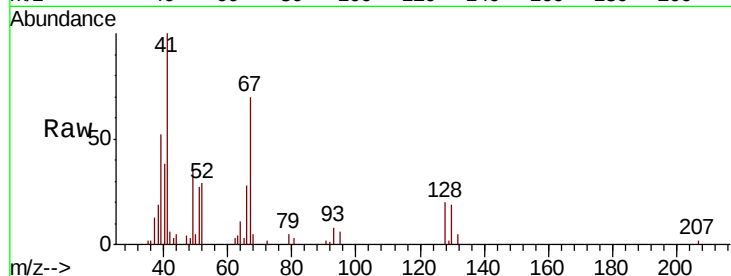
#41
Methacrylonitrile
Concen: 10.716 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	13208
Ion	Ratio	Lower	Upper
41	100		
39	50.4	39.4	59.0
67	68.7	57.0	85.6
52	26.1	22.4	33.6

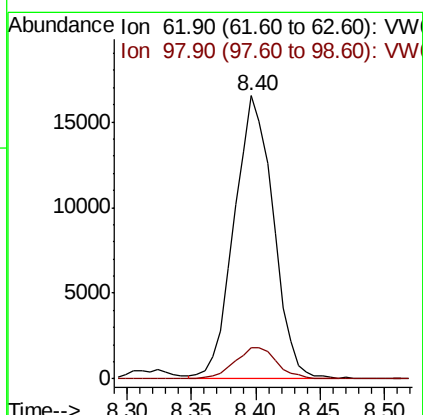
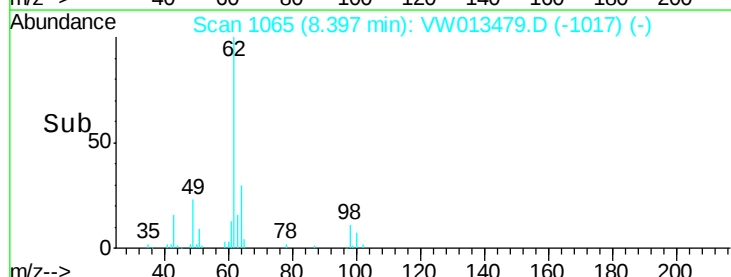
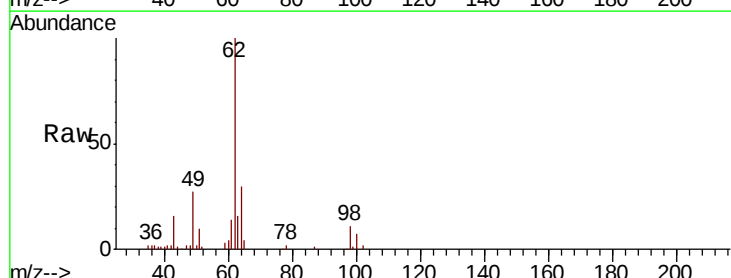
Manual Integrations
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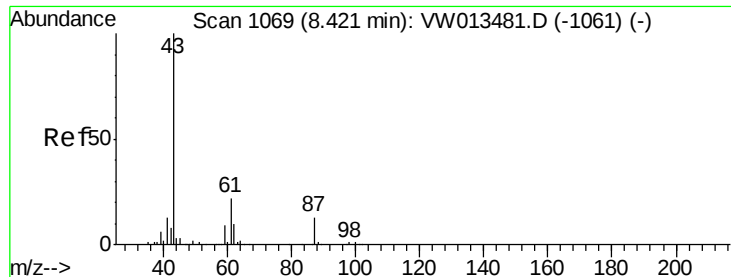
MMDadoda
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#42
1,2-Dichloroethane
Concen: 10.336 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion:	62	Resp:	34839
Ion	Ratio	Lower	Upper
62	100		
98	11.9	0.0	21.4





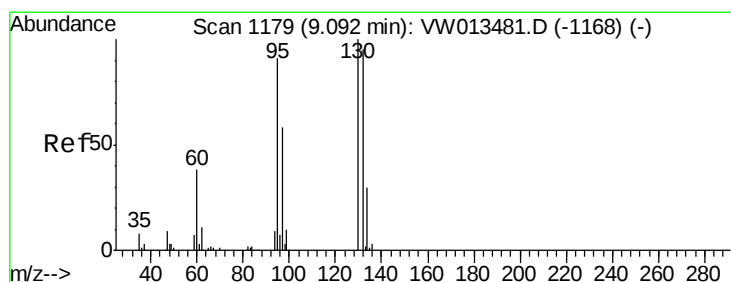
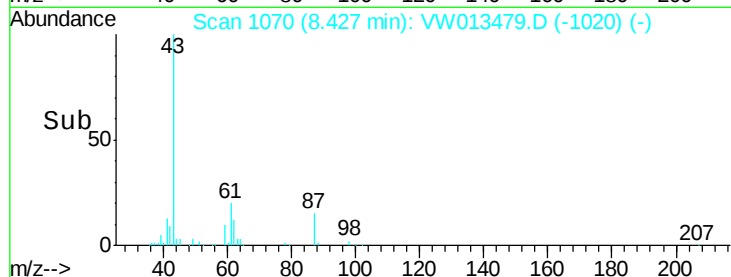
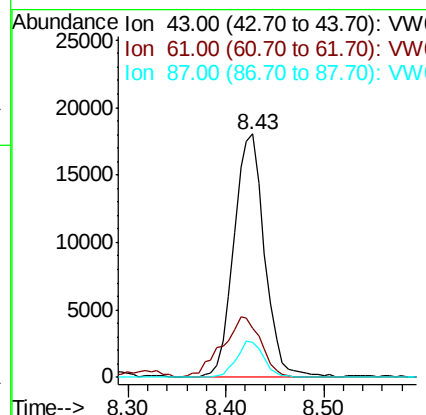
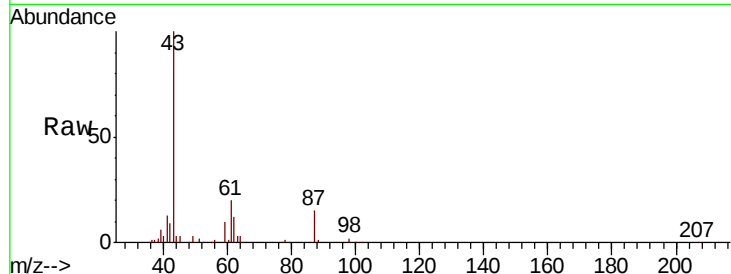
#43
Isopropyl Acetate
Concen: 10.033 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	25.4	38.2
87	13.1	10.8	16.2

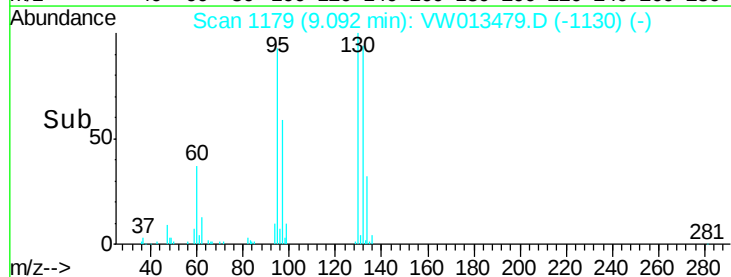
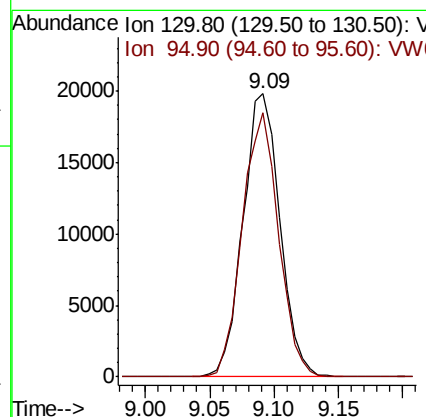
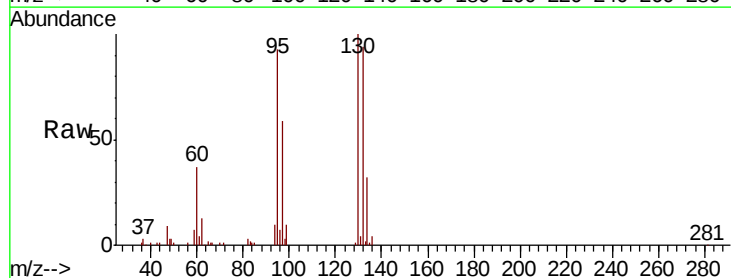
Manual Integrations
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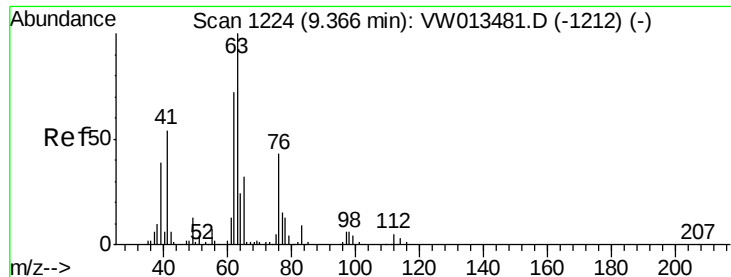
MMDadoda
10/9/2019 4:08:38 PM



#44
Trichloroethene
Concen: 10.309 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	182.2





#45

1,2-Dichloropropane

Concen: 10.443 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 33426

Ion Ratio Lower Upper

63 100

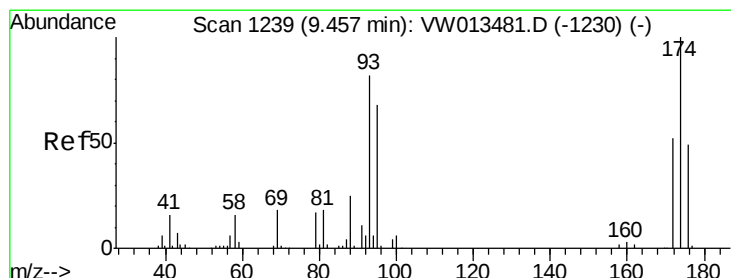
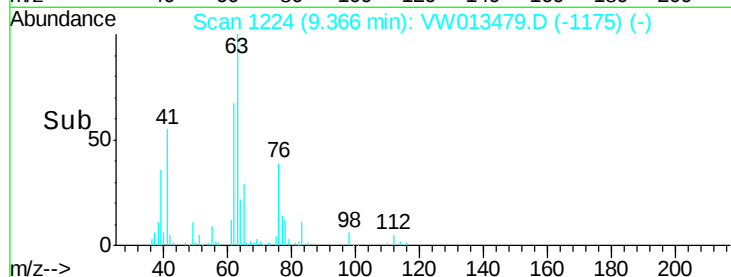
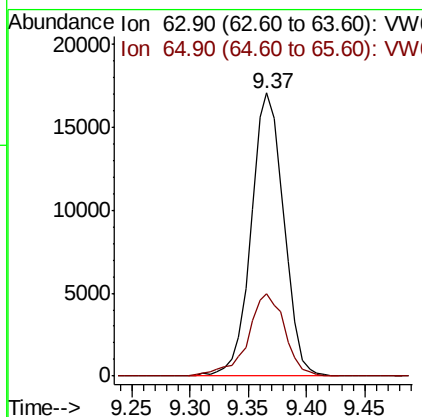
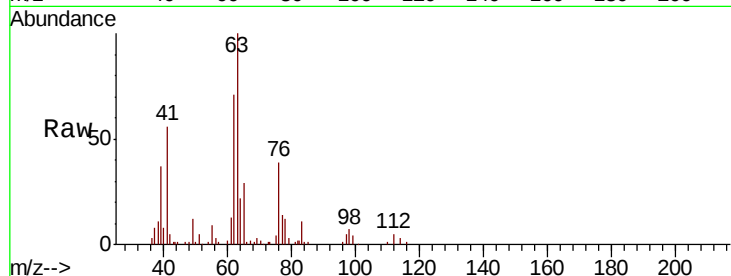
65 29.1 25.8 38.6

Manual Integrations

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#46

Dibromomethane

Concen: 10.061 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

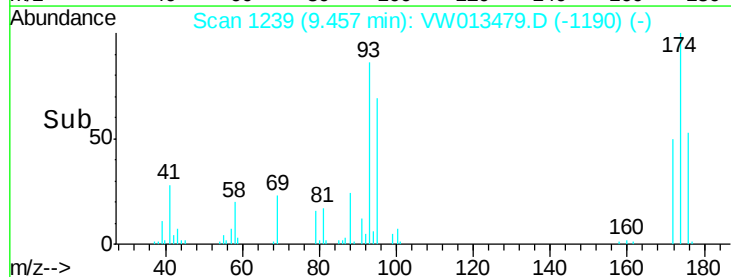
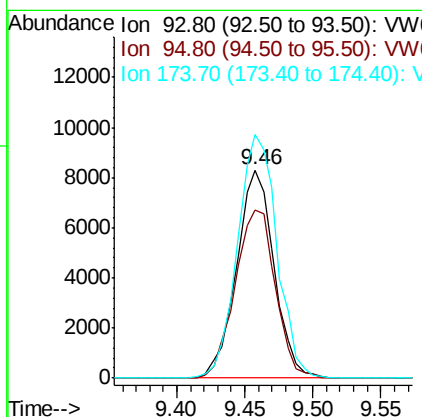
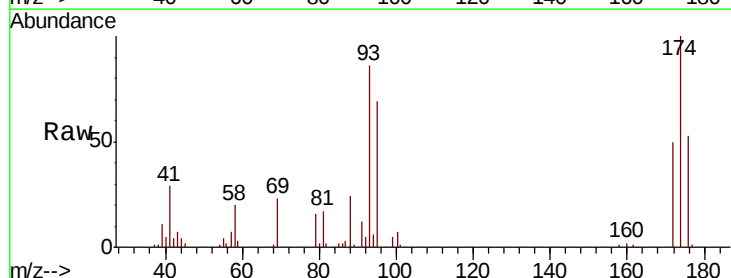
Tgt Ion: 93 Resp: 16043

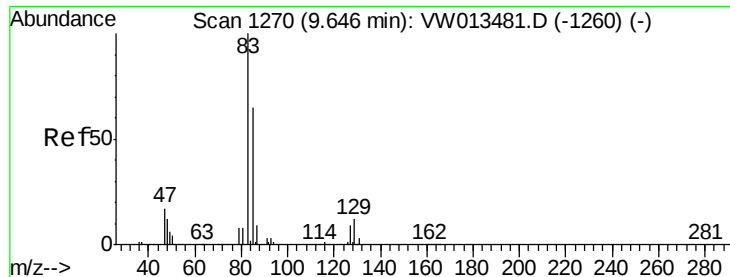
Ion Ratio Lower Upper

93 100

95 86.2 68.0 102.0

174 122.7 97.0 145.6





#47

Bromodichloromethane

Concen: 10.111 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

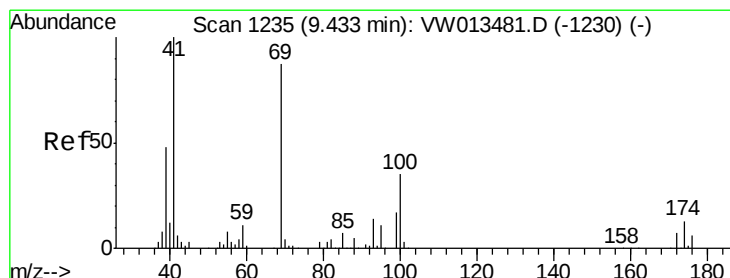
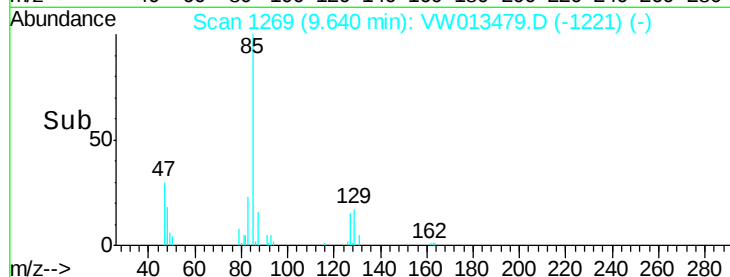
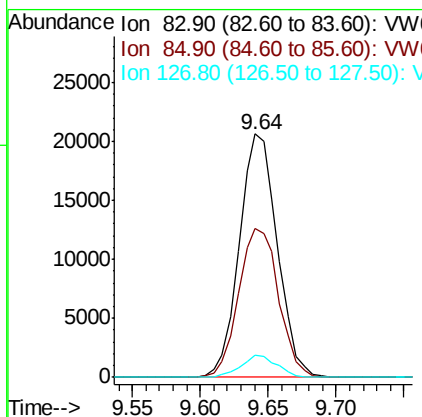
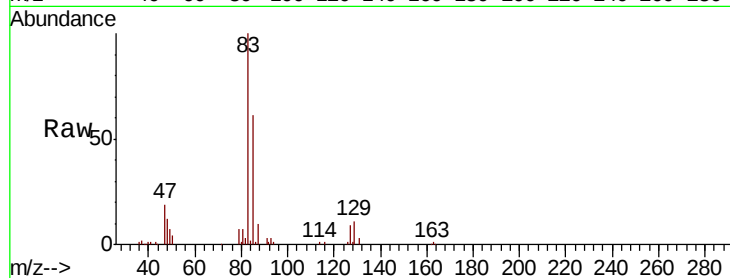
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	40079
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.9	77.9
127	9.0	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 9.173 ug/l

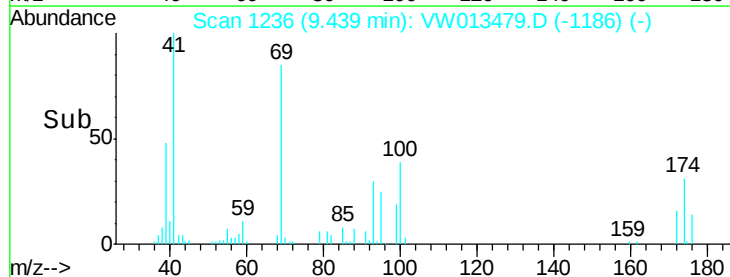
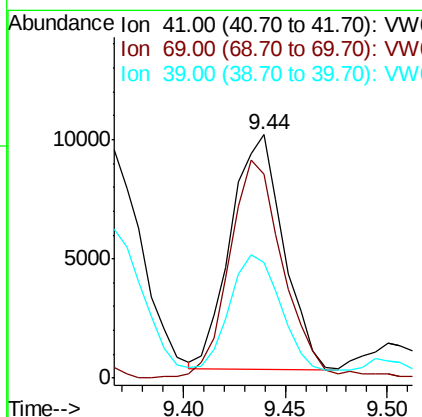
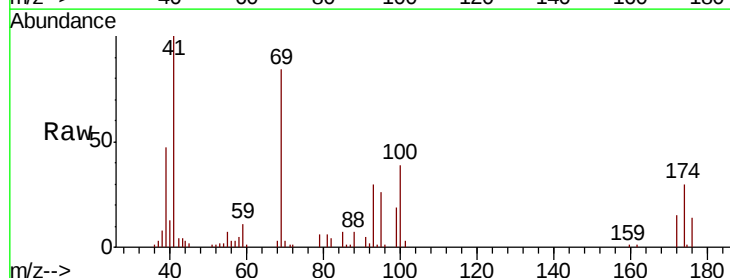
RT: 9.44 min Scan# 1236

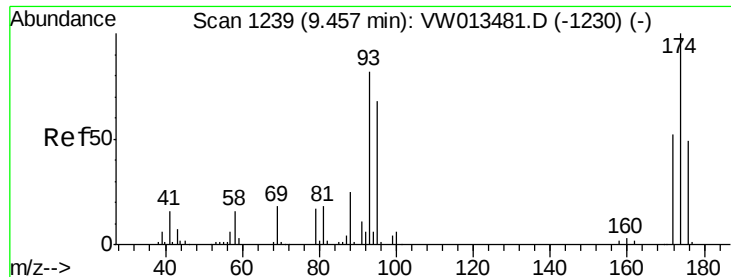
Delta R.T. 0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	41	Resp:	17693
Ion	Ratio	Lower	Upper
41	100		
69	95.8	70.4	105.6
39	48.2	37.3	55.9





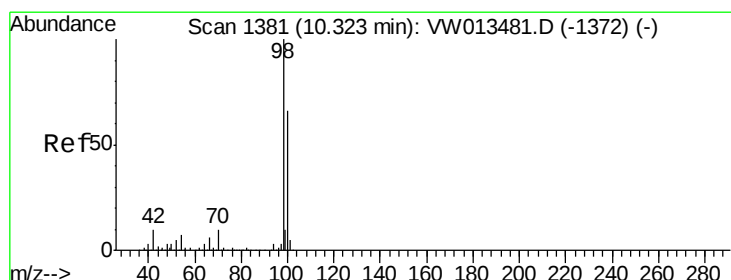
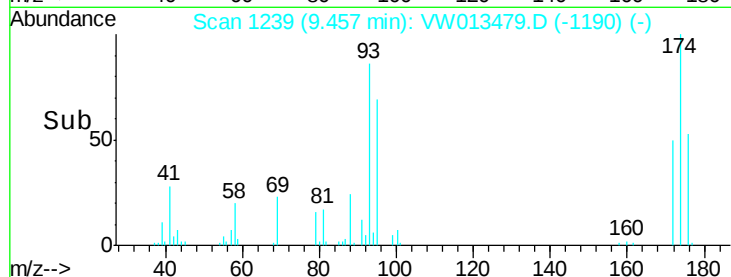
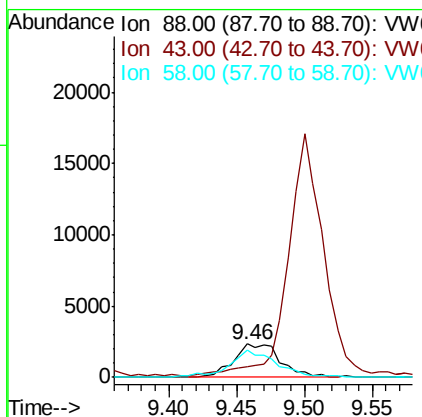
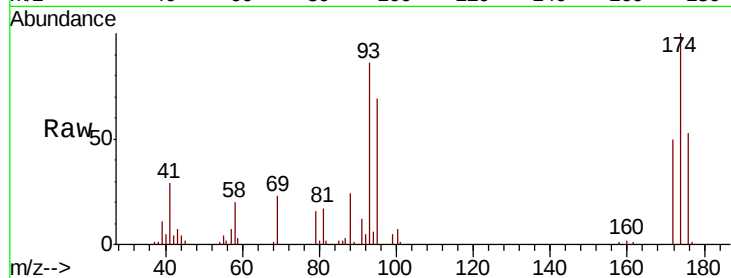
#49
1,4-Dioxane
Concen: 202.797 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	81.0	60.0	90.0

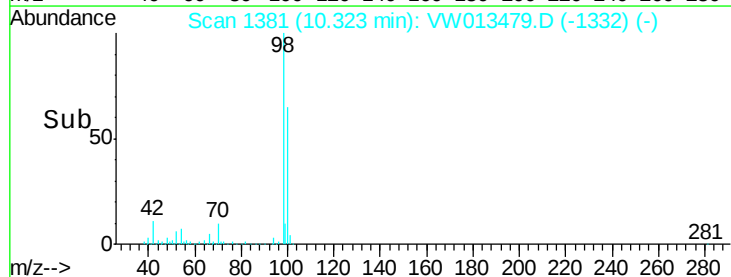
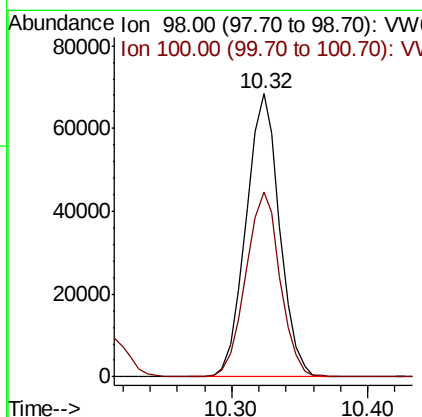
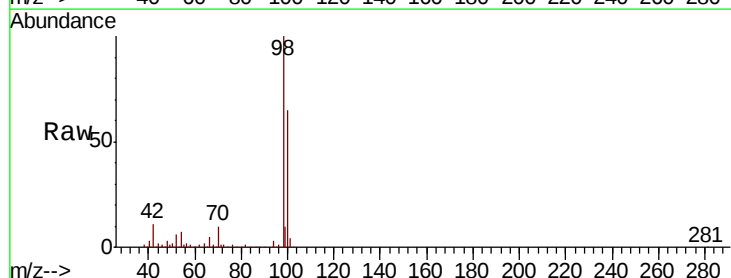
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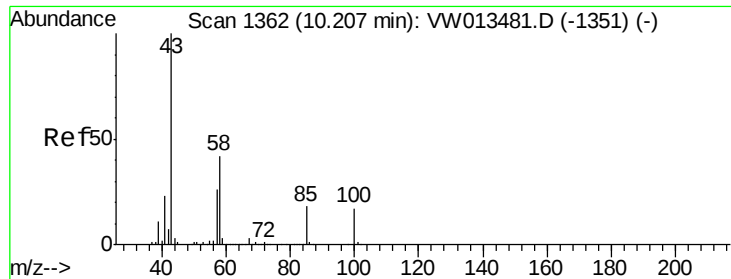
MMDadoda
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#50
Toluene-d8
Concen: 9.519 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 48.883 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 100639

Ion Ratio Lower Upper

43 100

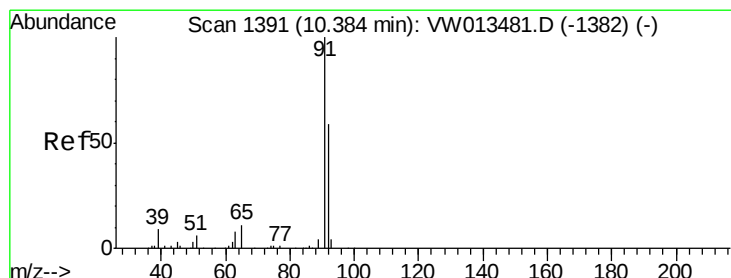
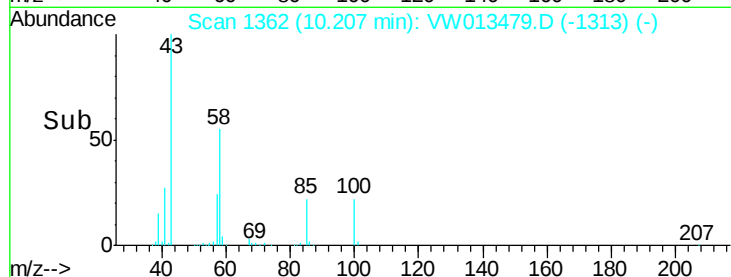
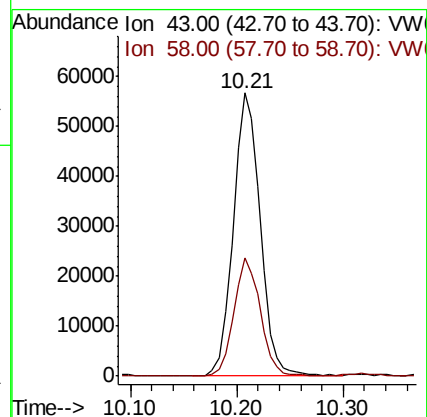
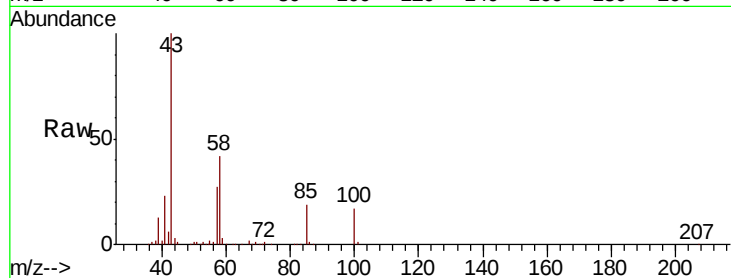
58 41.2 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 10.430 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013479.D

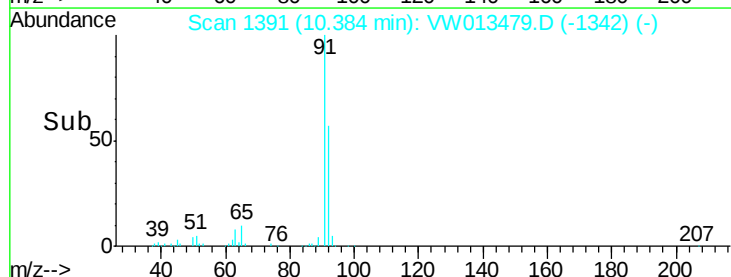
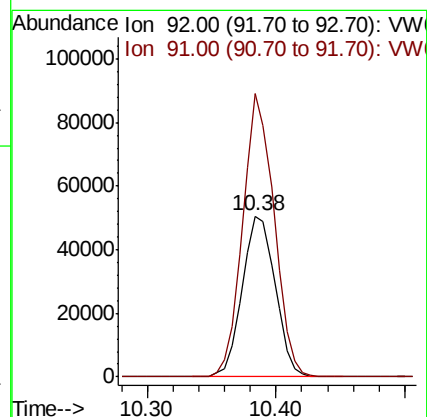
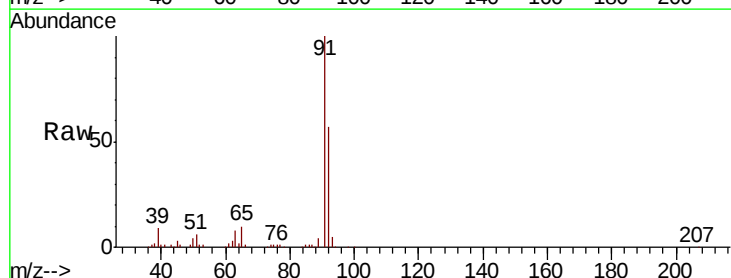
Acq: 08 Oct 2019 10:53

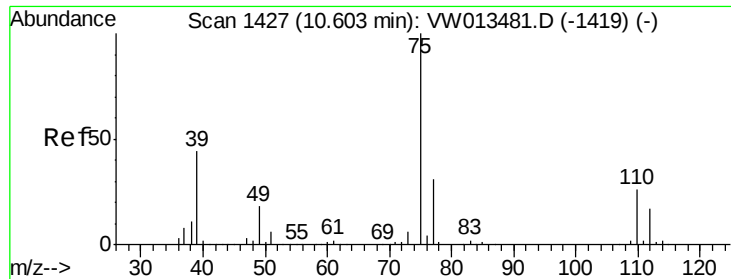
Tgt Ion: 92 Resp: 89592

Ion Ratio Lower Upper

92 100

91 167.2 134.8 202.2





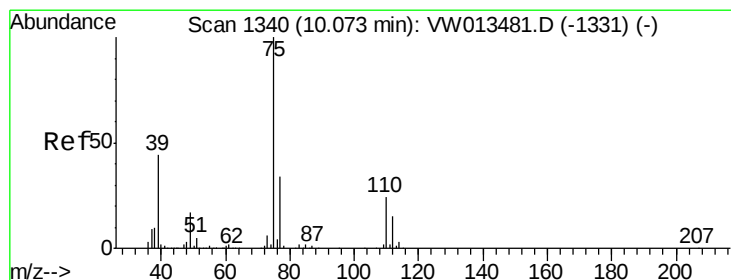
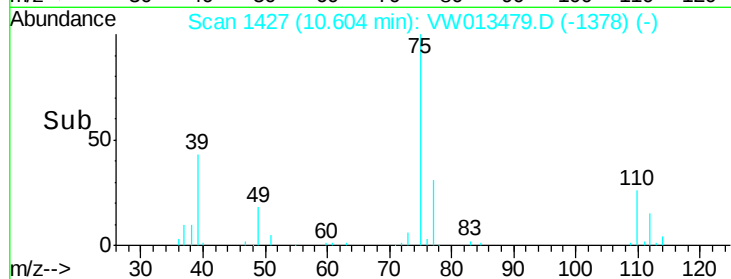
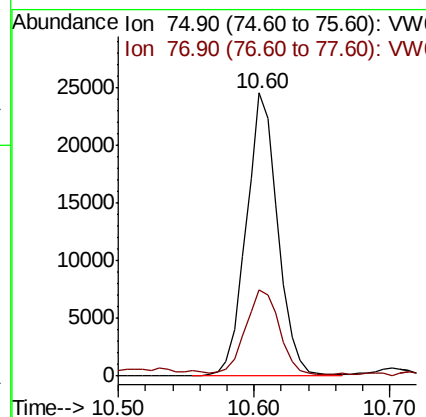
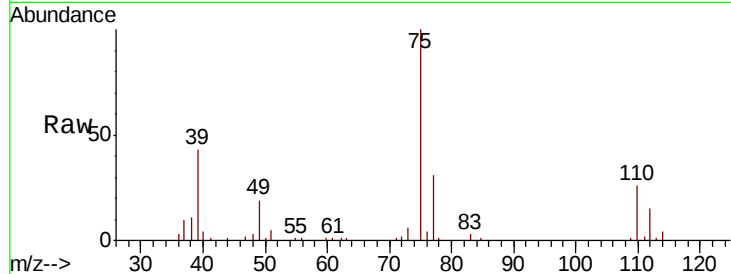
#53
t-1,3-Dichloropropene
Concen: 9.696 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 75 Resp: 39935
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8

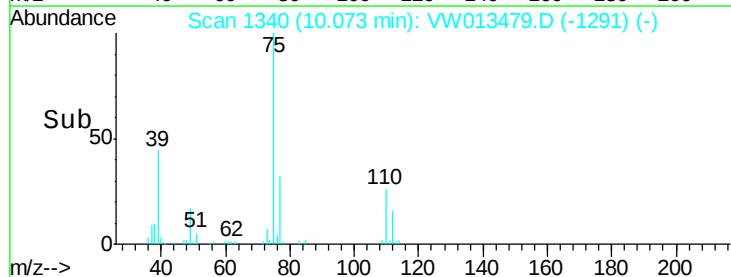
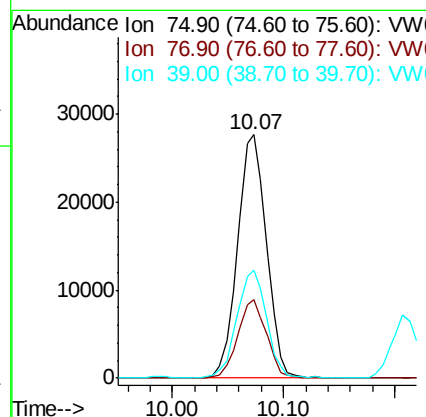
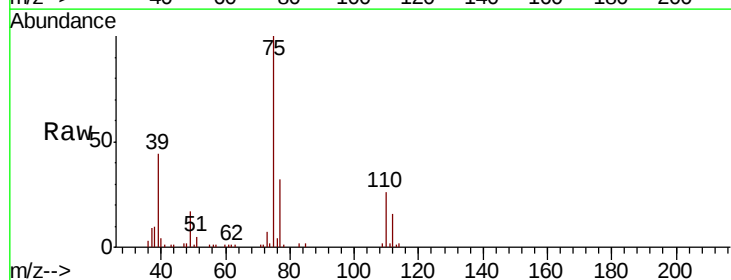
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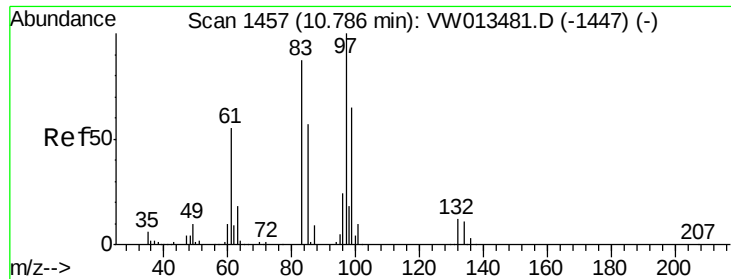
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#54
cis-1,3-Dichloropropene
Concen: 9.955 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion: 75 Resp: 49675
Ion Ratio Lower Upper
75 100
77 32.2 27.0 40.4
39 44.4 35.0 52.4





#55

1,1,2-Trichloroethane

Concen: 10.409 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

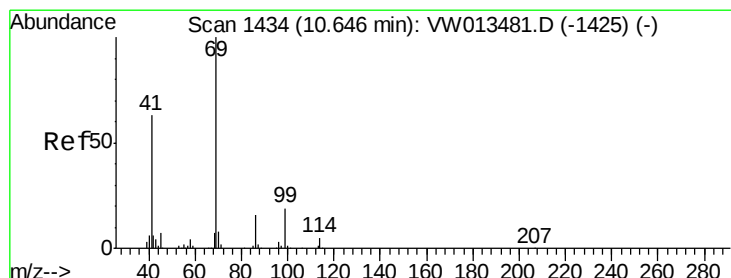
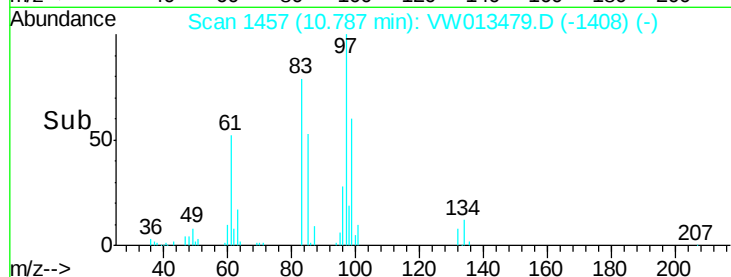
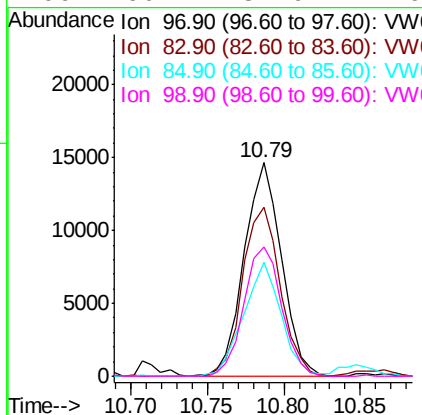
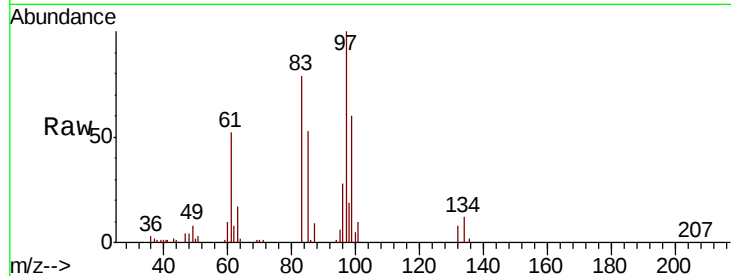
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	24912
Ion	Ratio	Lower	Upper
97	100		
83	78.9	69.8	104.8
85	53.4	45.4	68.0
99	60.4	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 9.544 ug/l

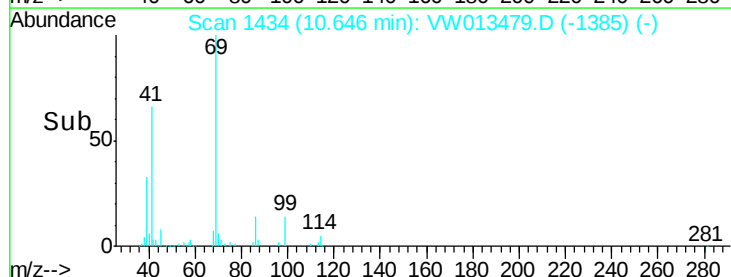
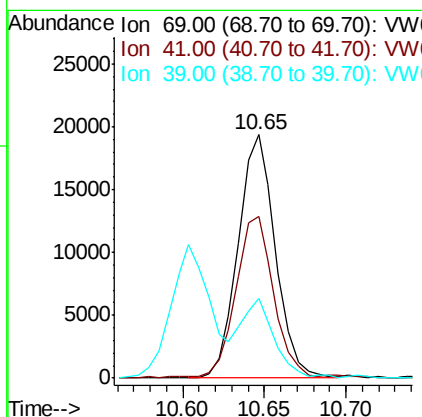
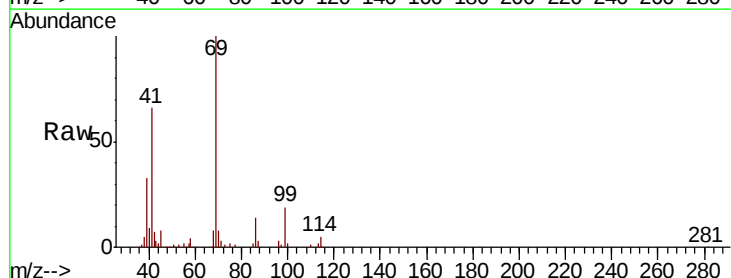
RT: 10.65 min Scan# 1434

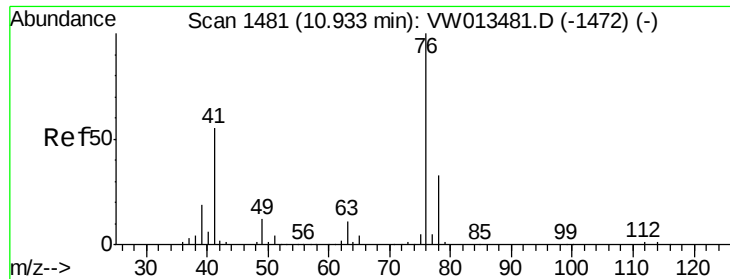
Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	69	Resp:	30767
Ion	Ratio	Lower	Upper
69	100		
41	68.2	51.8	77.6
39	28.9	21.7	32.5





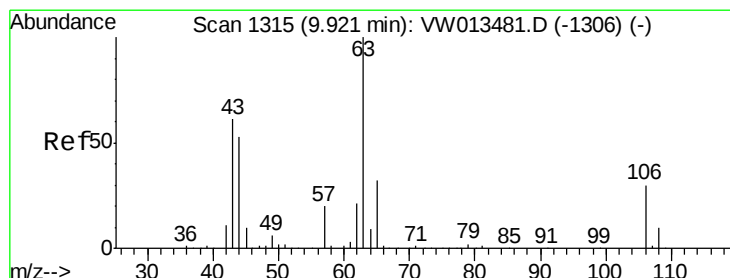
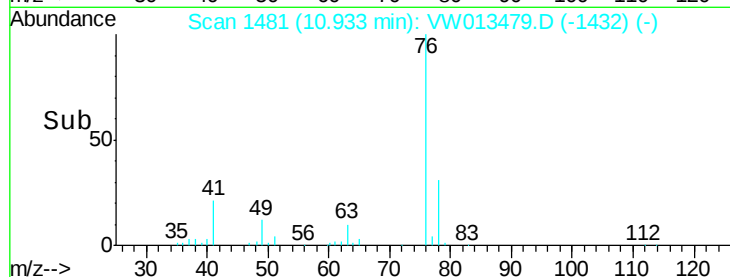
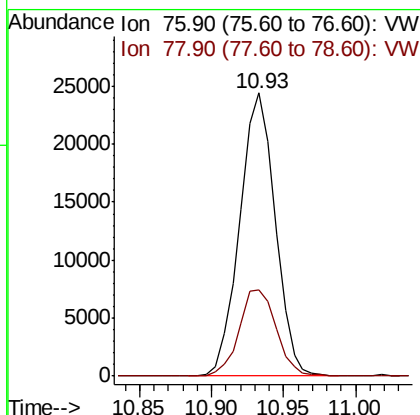
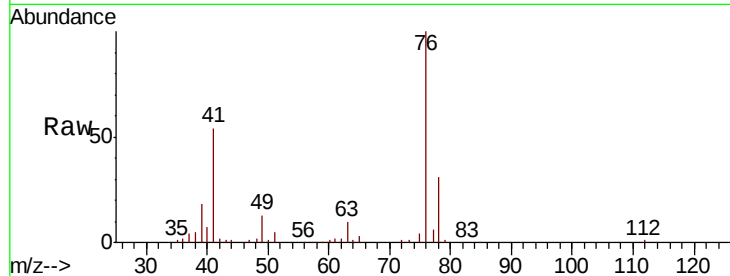
#57
 1,3-Dichloropropane
 Concen: 10.163 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 41766
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9

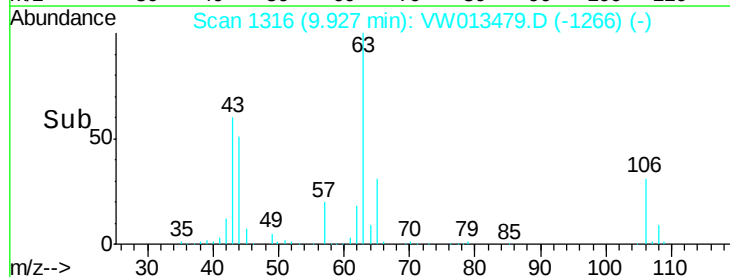
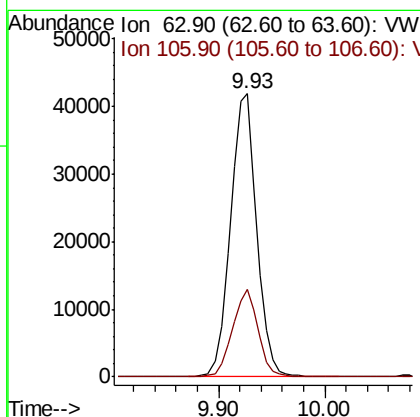
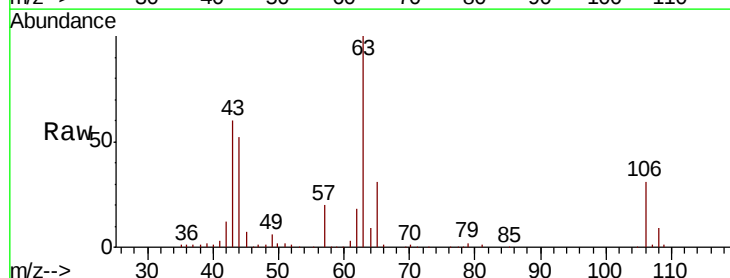
Manual Integrations
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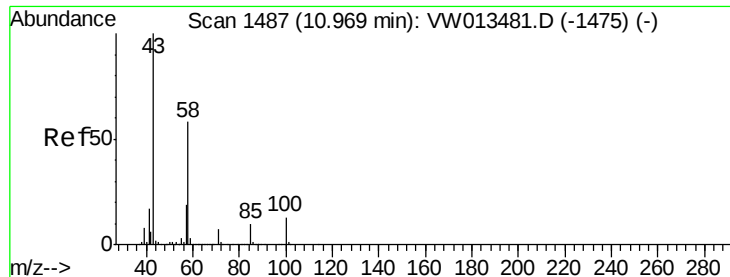
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 10/9/2019 4:08:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 47.481 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Tgt Ion: 63 Resp: 72210
 Ion Ratio Lower Upper
 63 100
 106 30.0 24.5 36.7





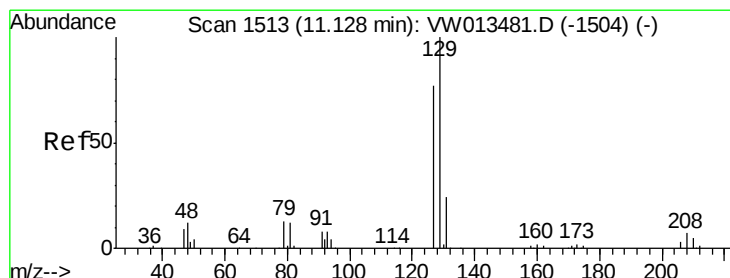
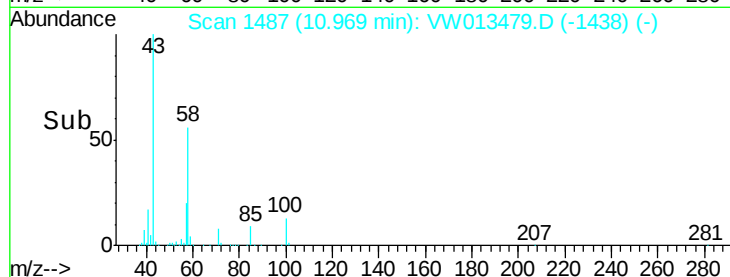
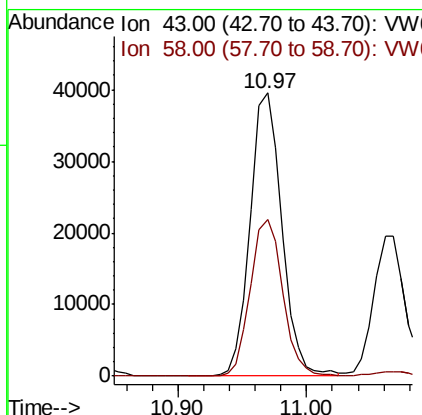
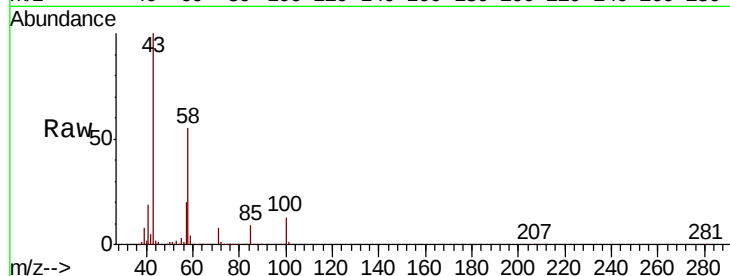
#59
2-Hexanone
Concen: 47.549 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 67126
Ion Ratio Lower Upper
43 100
58 56.7 28.4 85.2

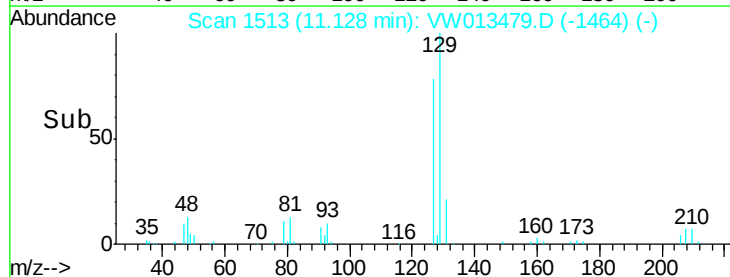
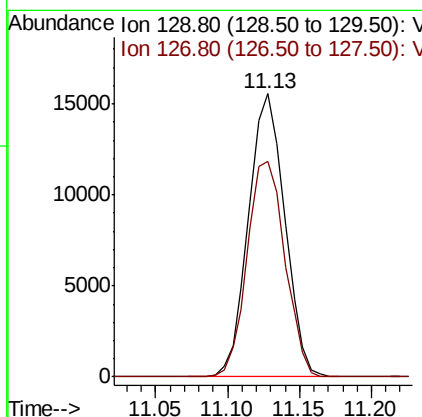
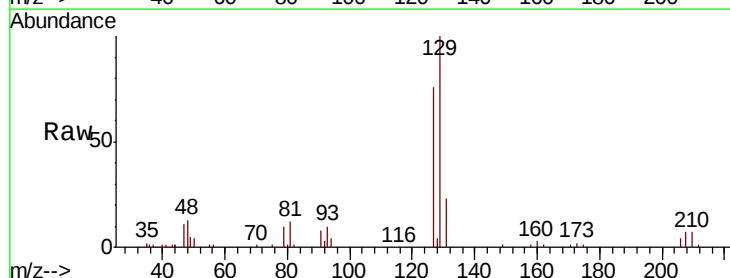
Manual Integrations
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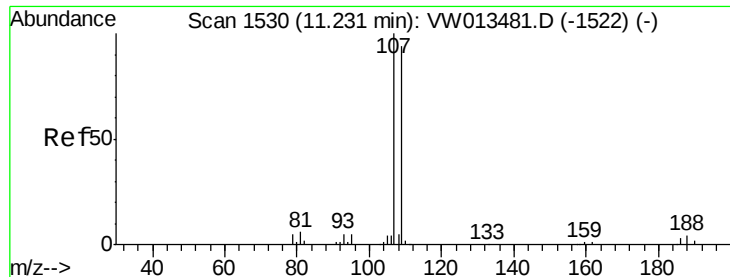
MMDadoda
10/9/2019 4:08:38 PM



#60
Dibromochloromethane
Concen: 9.876 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion: 129 Resp: 27182
Ion Ratio Lower Upper
129 100
127 78.8 37.4 112.1





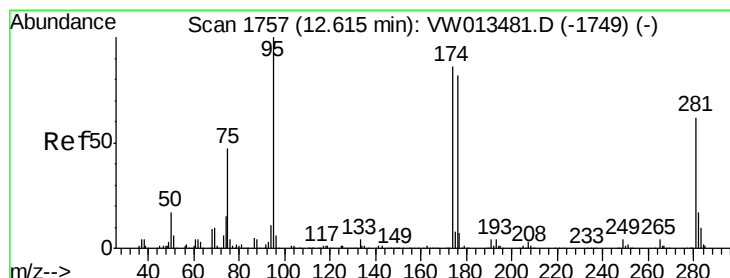
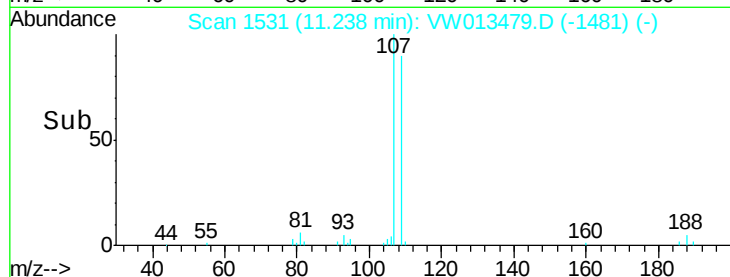
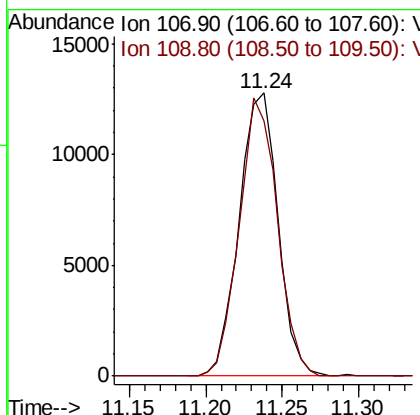
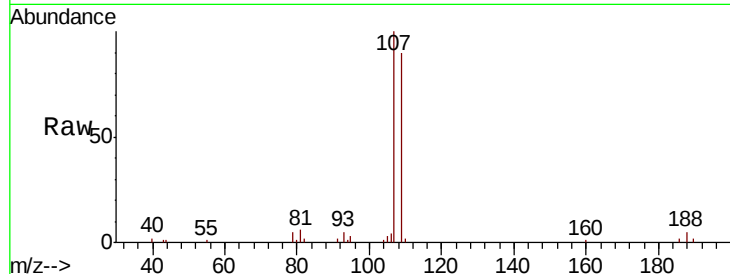
#61
 1,2-Dibromoethane
 Concen: 9.927 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.6	115.0

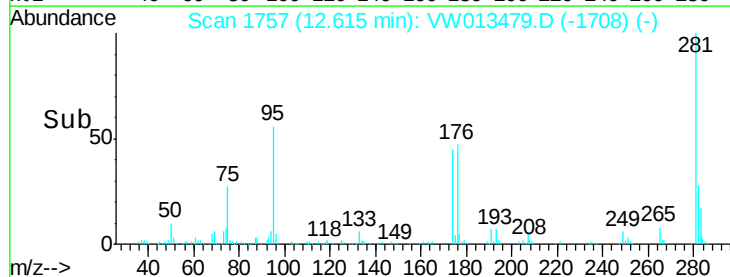
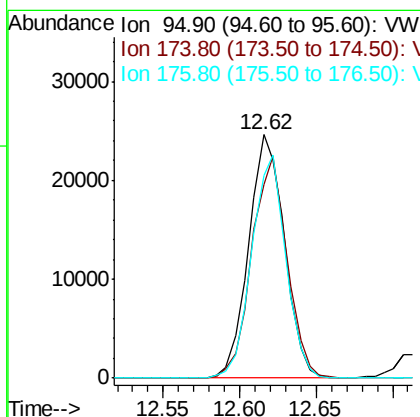
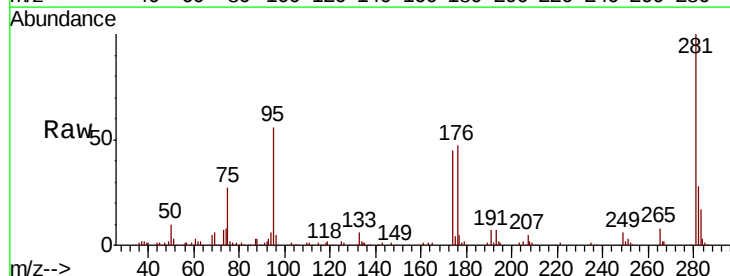
Manual Integrations
 APPROVED

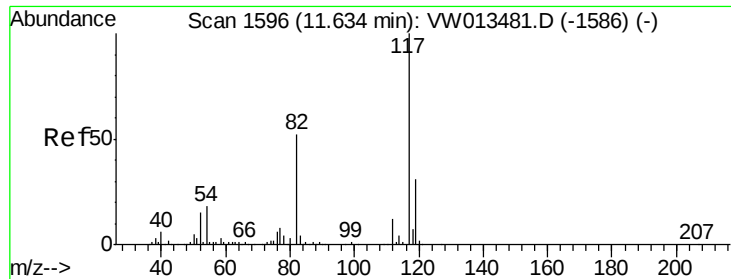
MMDadoda
 10/9/2019 4:08:38 PM



#62
 4-Bromofluorobenzene
 Concen: 9.614 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	177.4
176	87.8	0.0	173.4





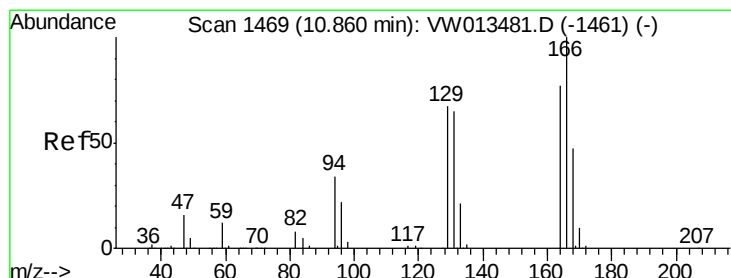
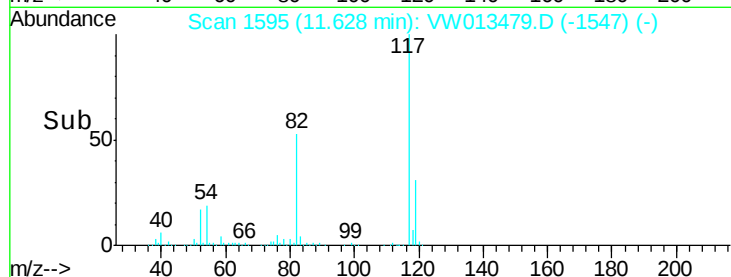
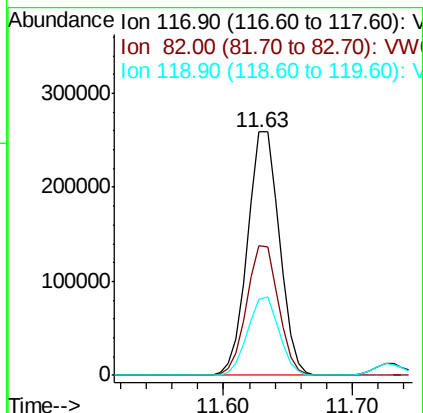
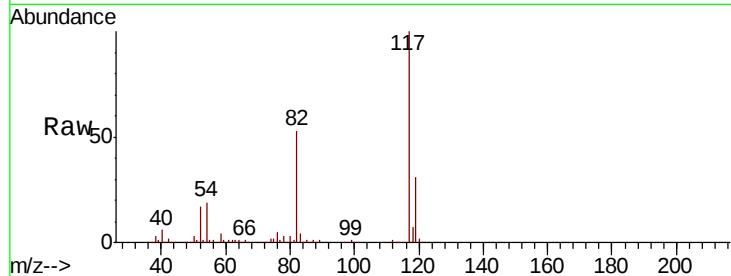
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.4	62.2
119	31.3	25.1	37.7

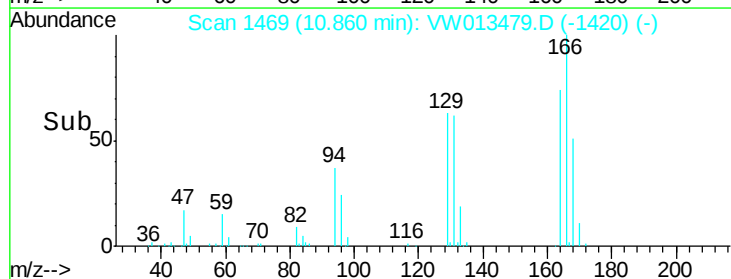
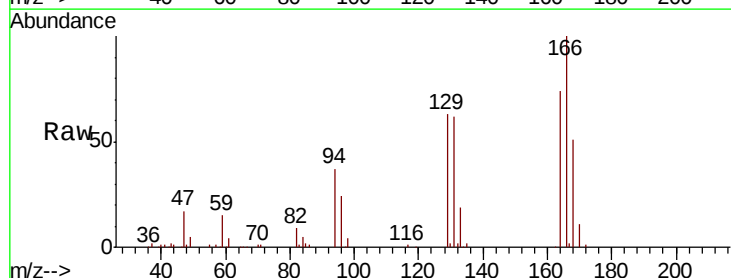
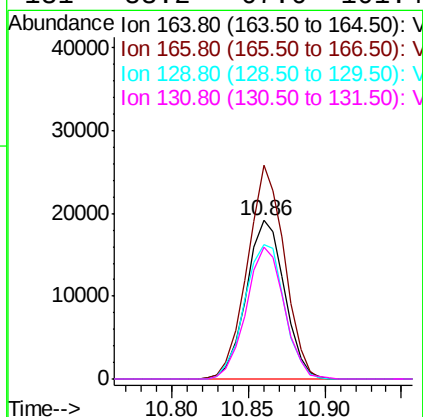
Manual Integrations
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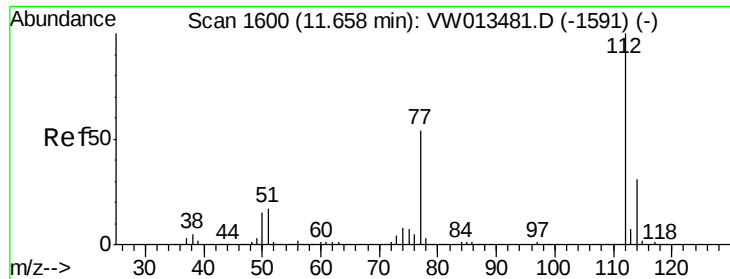
MMDadoda
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#64
Tetrachloroethene
Concen: 10.249 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.7	104.6	156.8
129	85.0	70.2	105.2
131	83.2	67.6	101.4





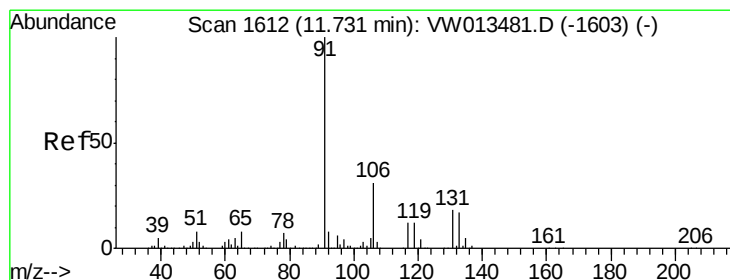
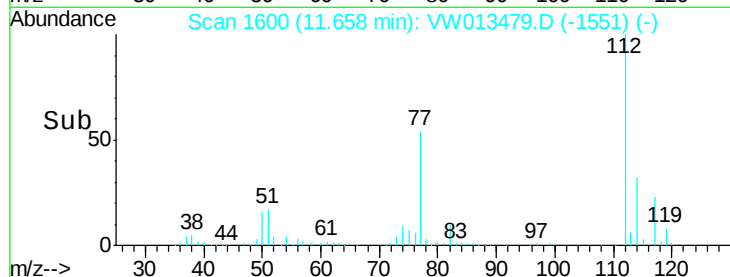
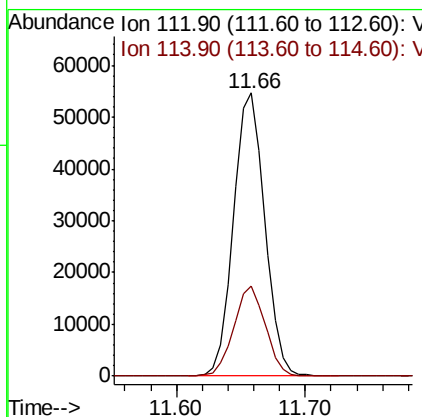
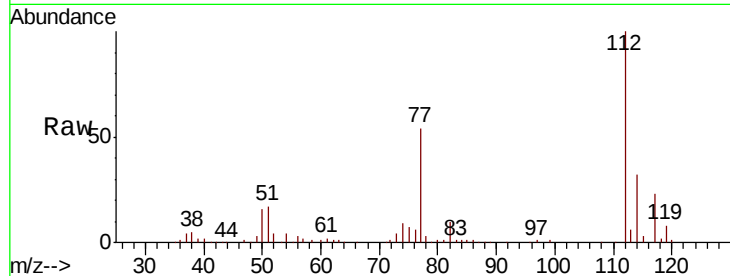
#65
Chlorobenzene
Concen: 10.472 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 92125
Ion Ratio Lower Upper
112 100
114 31.7 24.6 37.0

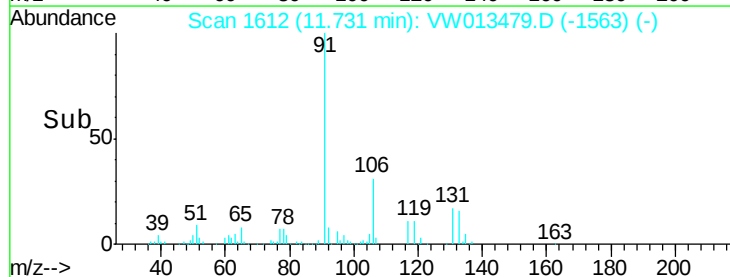
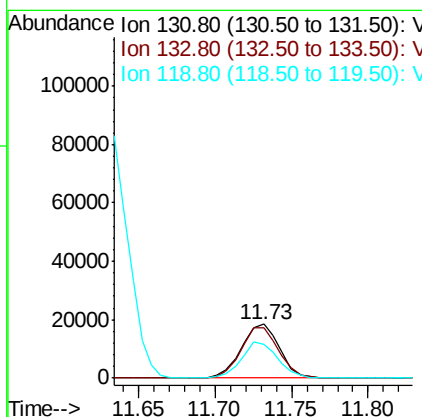
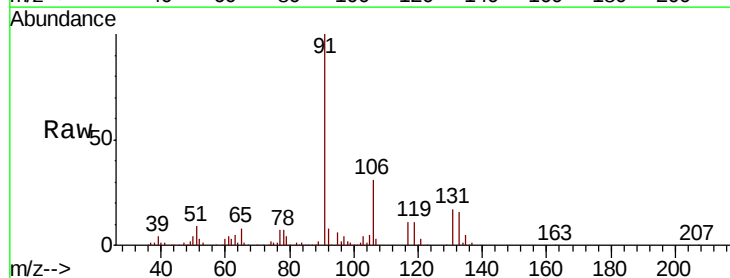
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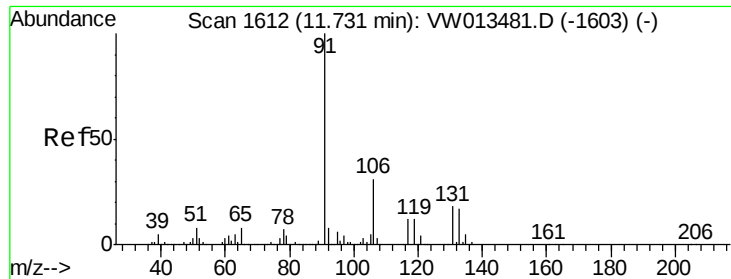
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.421 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion:131 Resp: 31845
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 64.6 32.6 98.0





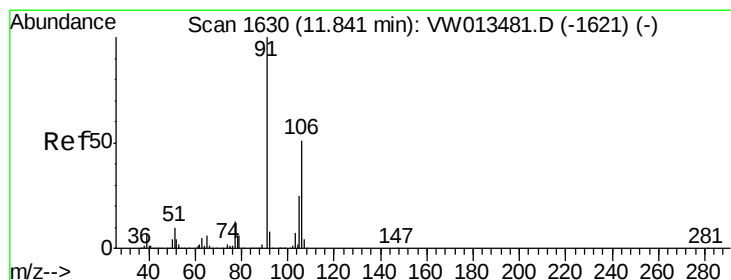
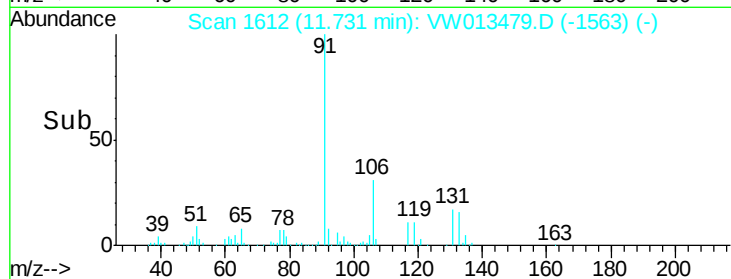
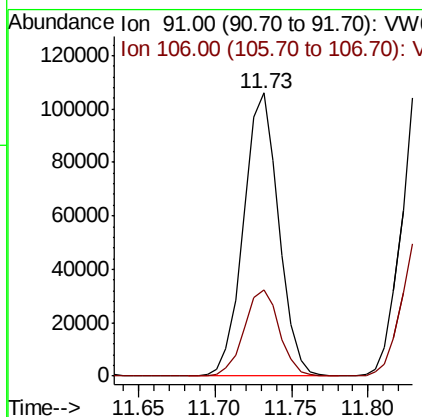
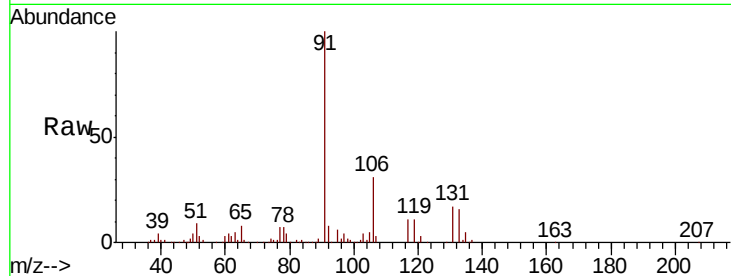
#67
Ethyl Benzene
Concen: 10.485 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	91	Resp	168594
Ion Ratio	Lower	Upper	
91	100		
106	30.7	24.8	37.2

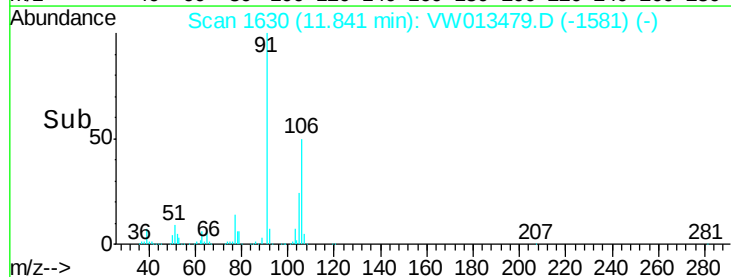
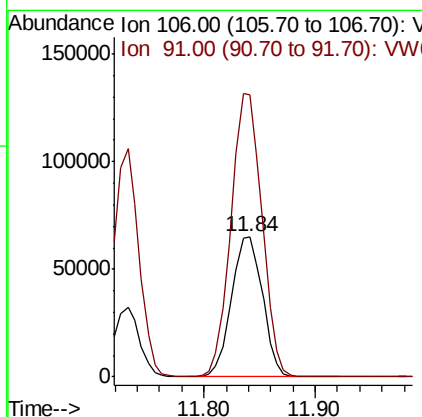
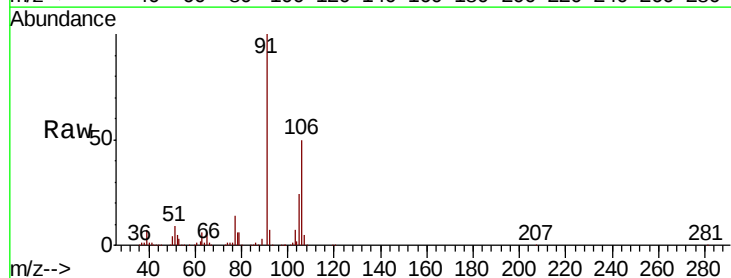
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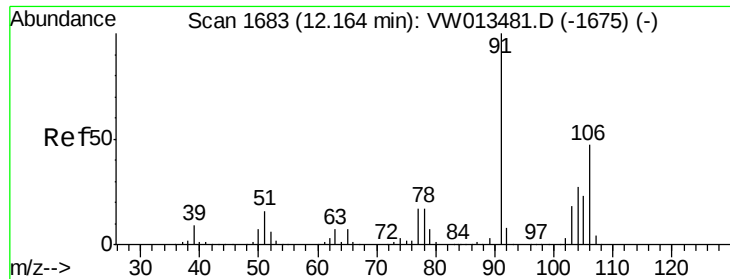
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#68
m/p-Xylenes
Concen: 20.552 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	106	Resp	125733
Ion Ratio	Lower	Upper	
106	100		
91	201.4	156.2	234.4





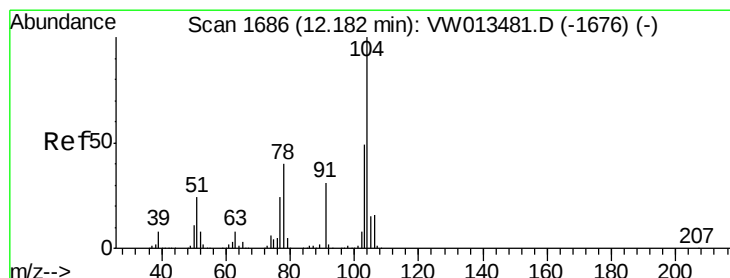
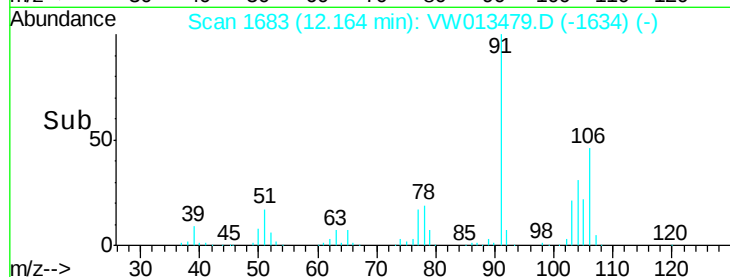
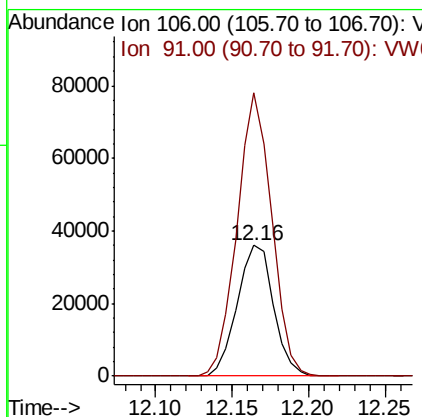
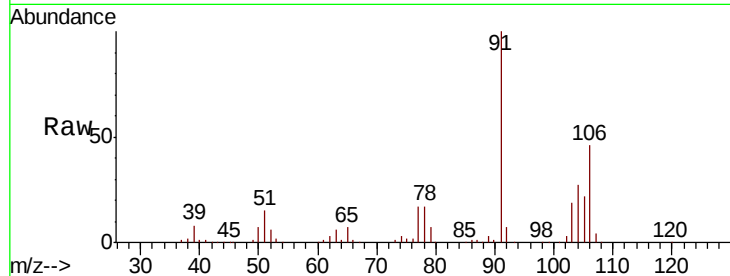
#69
o-Xylene
Concen: 10.487 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 59276
Ion Ratio Lower Upper
106 100
91 206.4 105.0 315.0

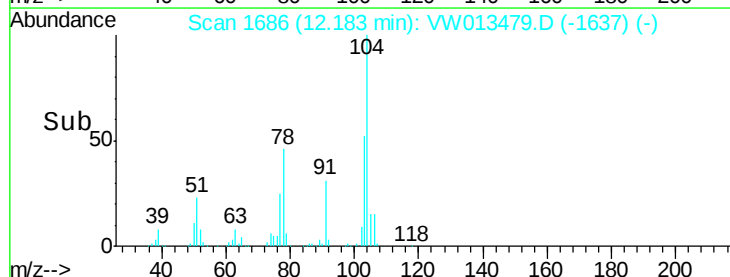
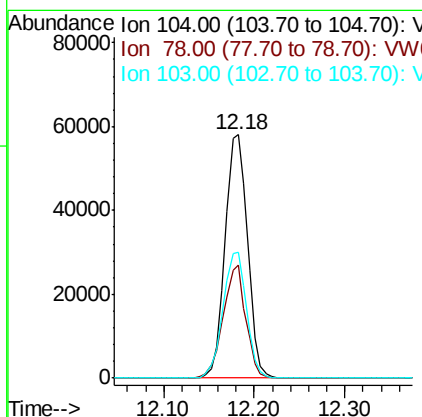
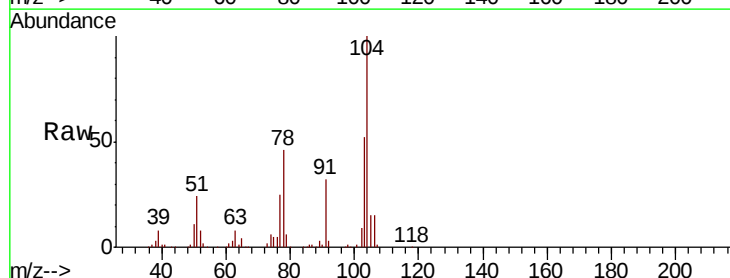
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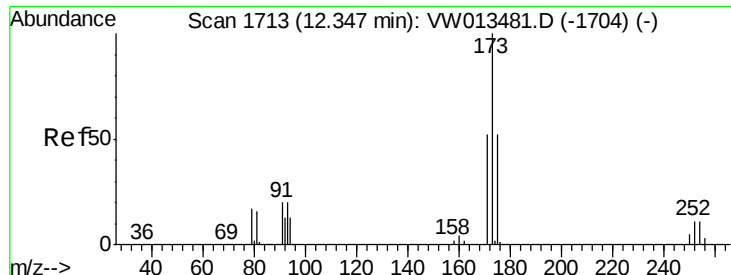
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#70
Styrene
Concen: 10.320 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion:104 Resp: 100155
Ion Ratio Lower Upper
104 100
78 46.7 37.1 55.7
103 54.2 43.2 64.8





#71

Bromoform

Concen: 9.907 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 16610

Ion Ratio Lower Upper

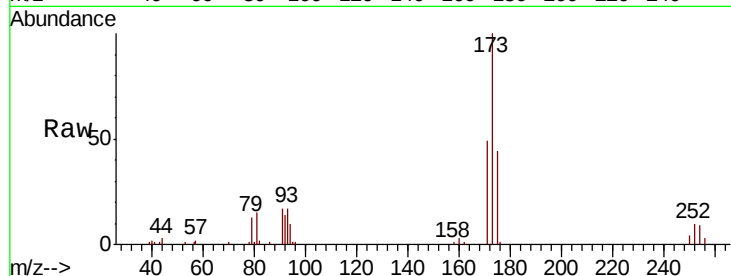
173 100

175 48.9 24.4 73.4

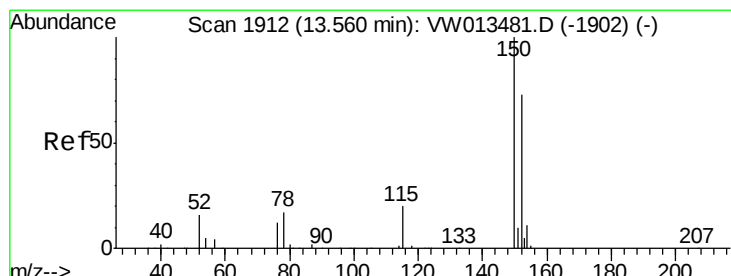
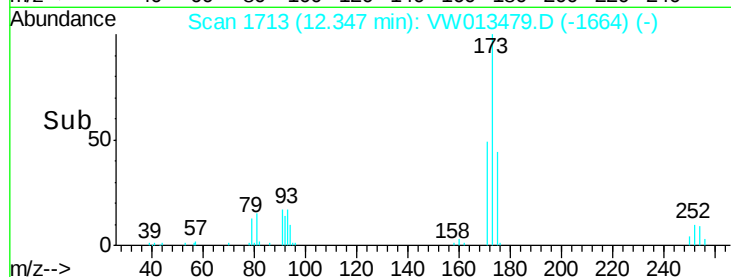
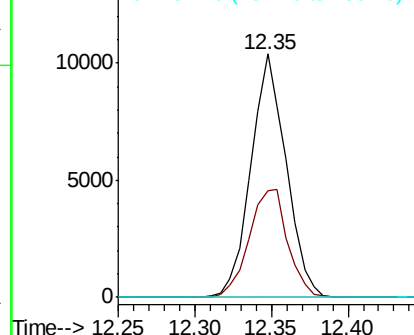
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

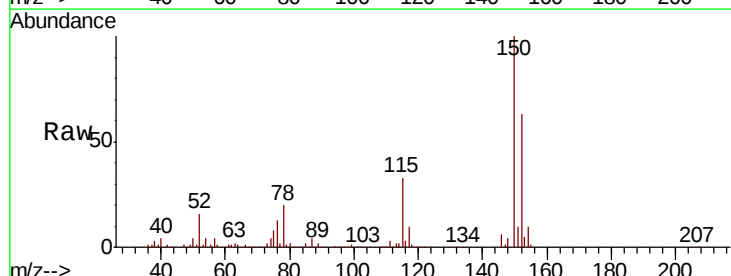
Tgt Ion:152 Resp: 221389

Ion Ratio Lower Upper

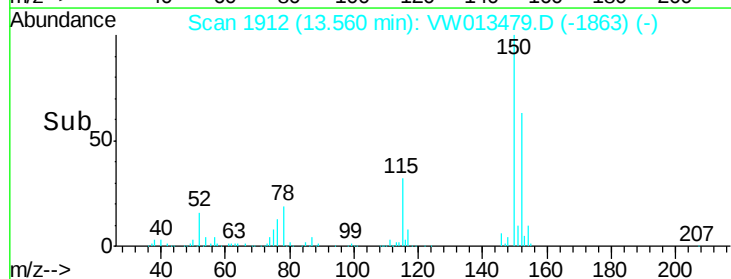
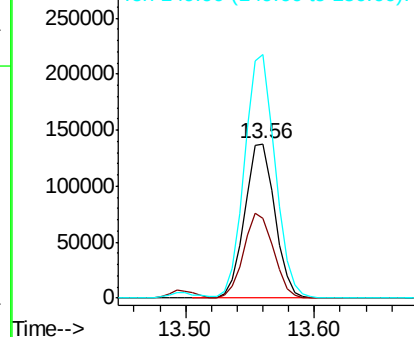
152 100

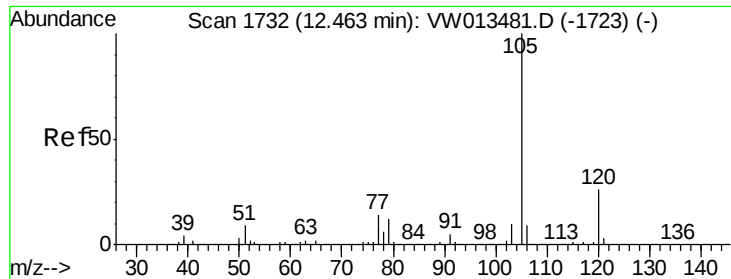
115 54.9 27.0 81.0

150 161.1 0.0 337.4



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





#73

Isopropylbenzene

Concen: 10.413 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 165139

Ion Ratio Lower Upper

105 100

120 26.5

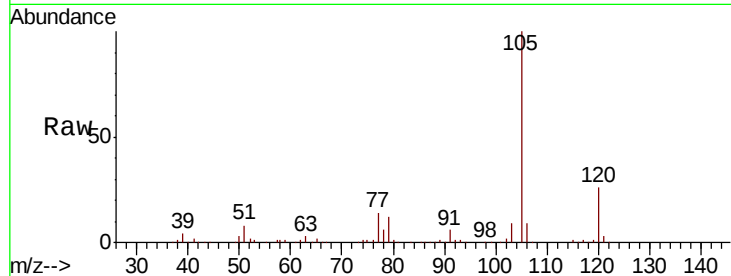
13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

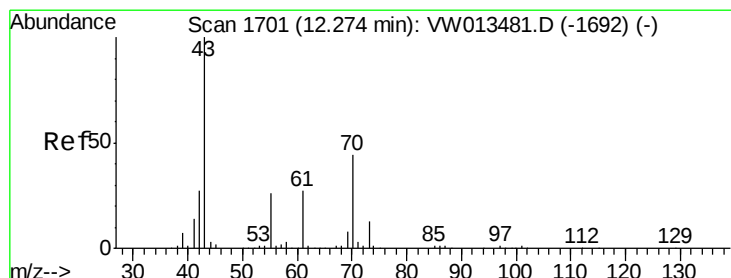
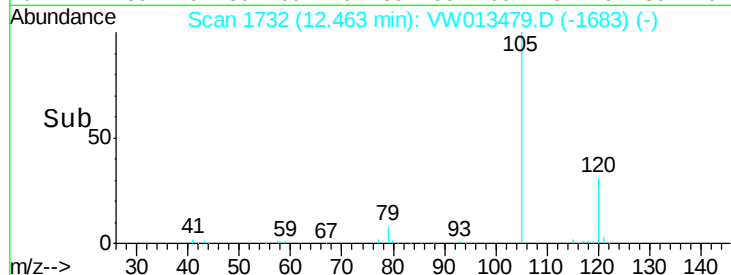
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 9.587 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion: 43 Resp: 33252

Ion Ratio Lower Upper

43 100

70 46.5

55 26.5

61 25.2

35.3 52.9

20.0 30.0

21.2 31.8

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

30000

25000

20000

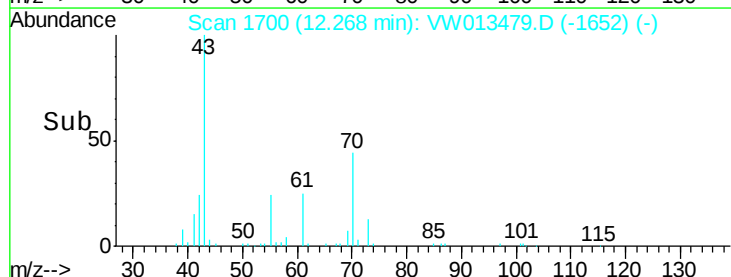
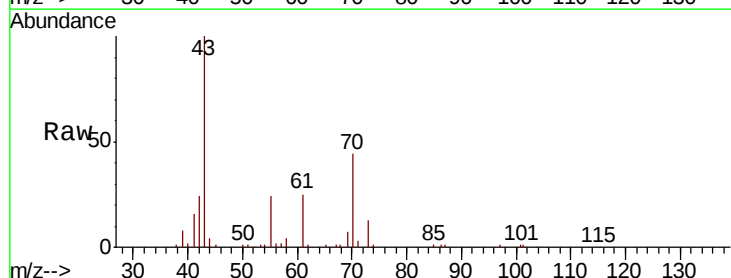
15000

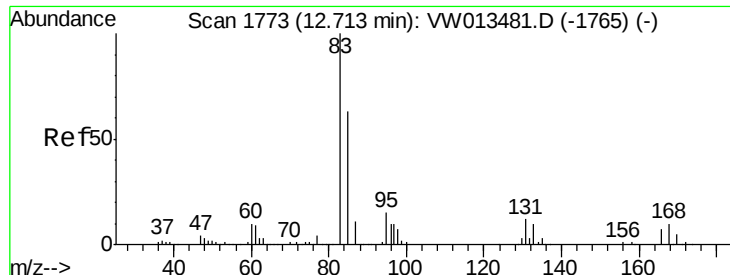
10000

5000

0

Time-->





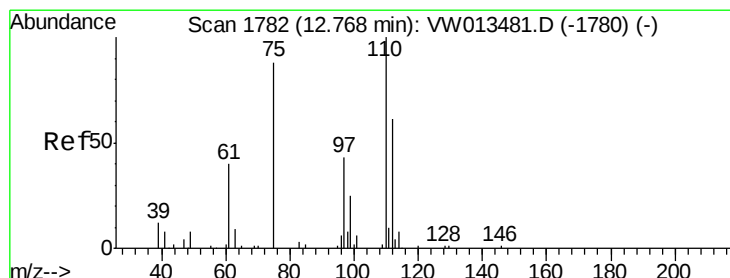
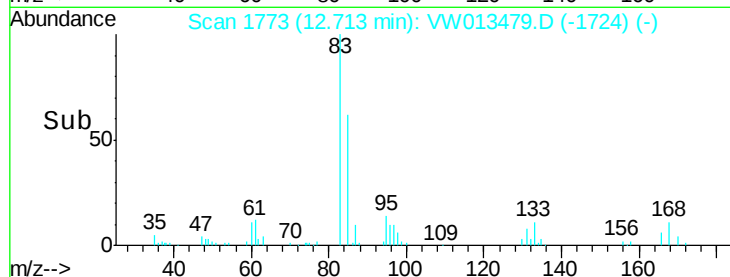
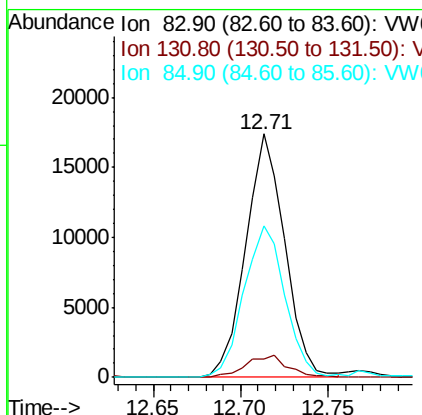
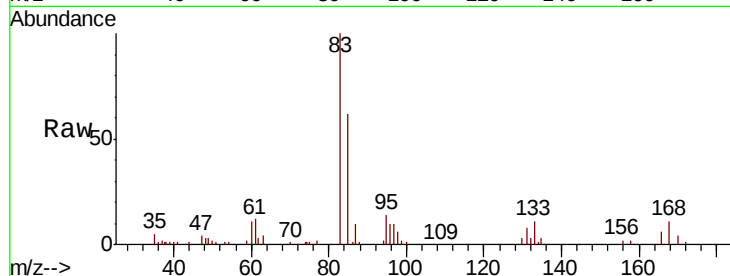
#75
 1,1,2,2-Tetrachloroethane
 Concen: 9.978 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	26971		
131	9.9	5.9	17.7	
85	65.4	32.5	97.4	

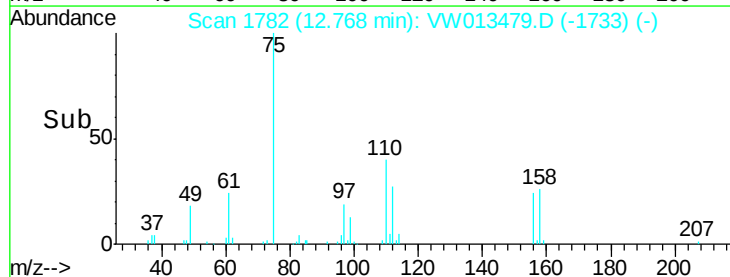
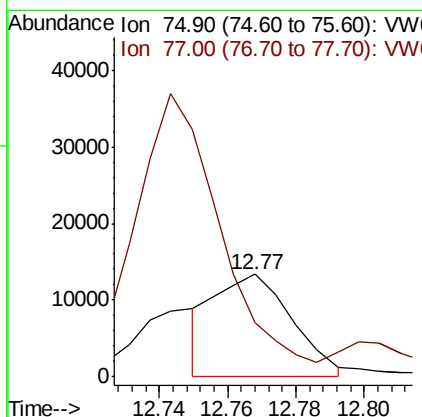
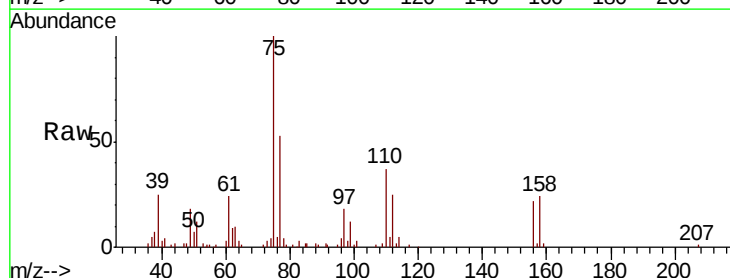
Manual Integrations
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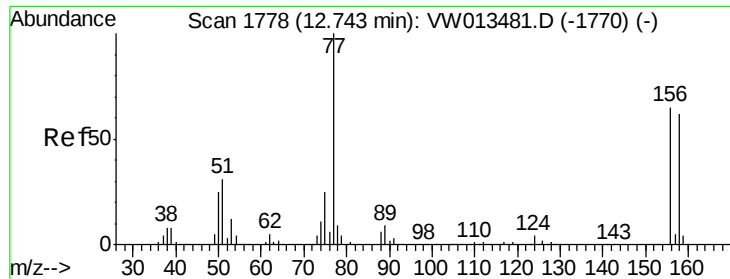
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#76
 1,2,3-Trichloropropane
 Concen: 11.902 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21163		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 10.524 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 39558

Ion Ratio Lower Upper

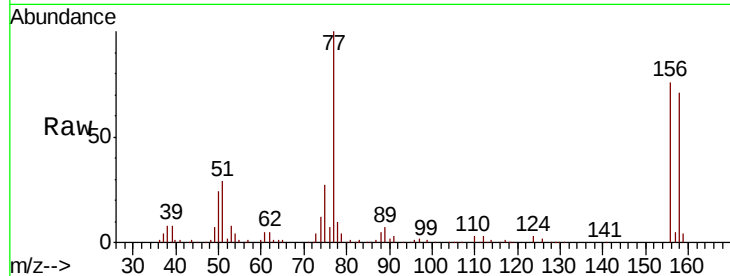
156 100

77 165.5 83.7 251.0

158 97.0 49.0 147.0

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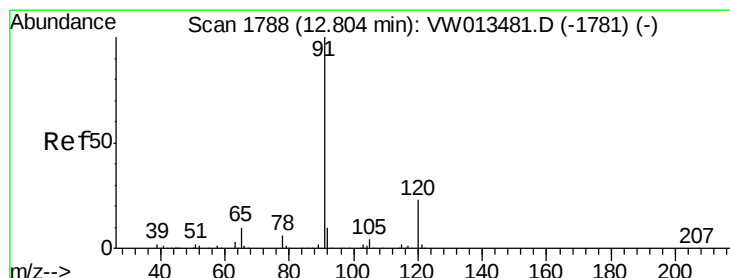
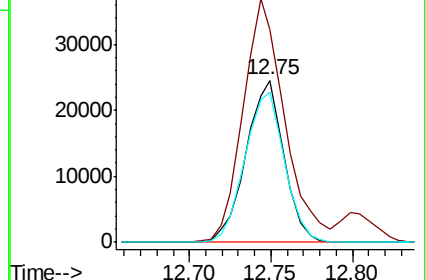
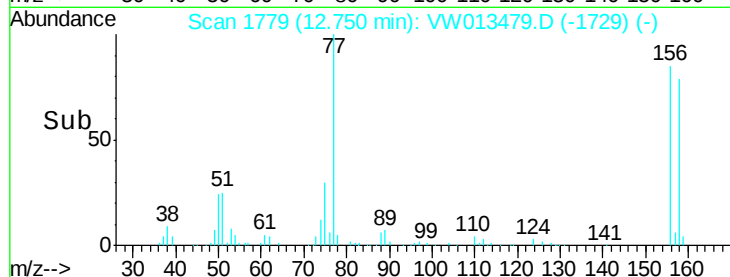
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.402 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013479.D

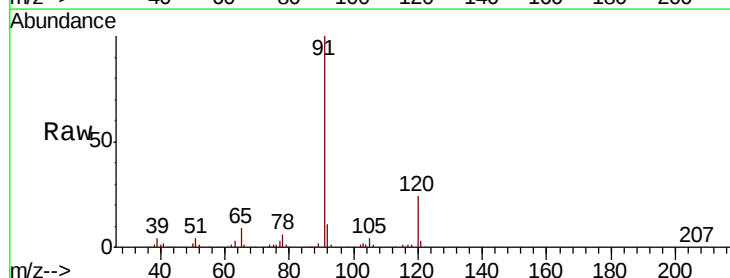
Acq: 08 Oct 2019 10:53

Tgt Ion: 91 Resp: 190742

Ion Ratio Lower Upper

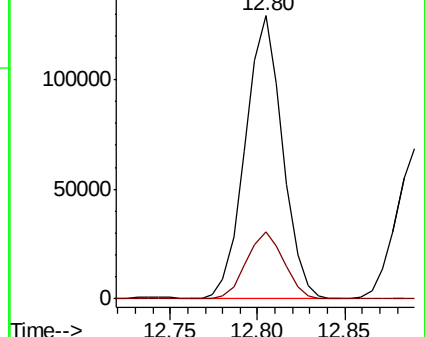
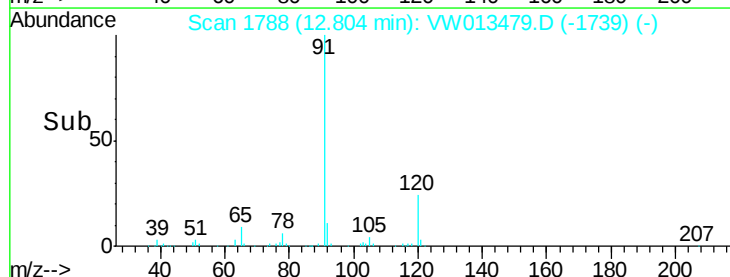
91 100

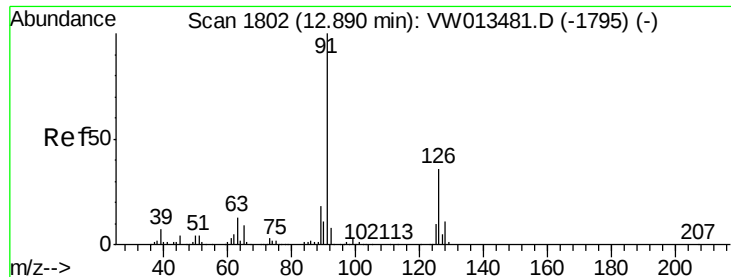
120 24.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.629 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 109205

Ion Ratio Lower Upper

91 100

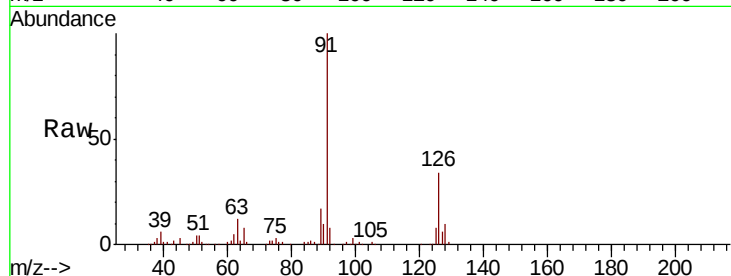
126 34.2 17.8 53.4

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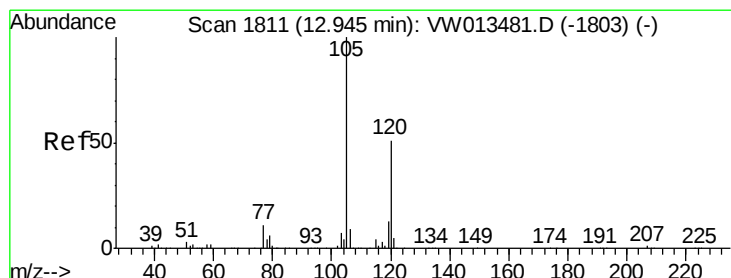
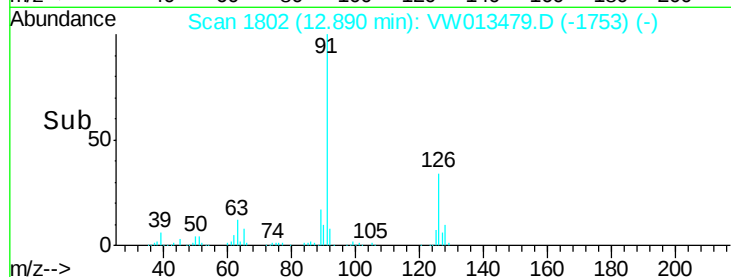
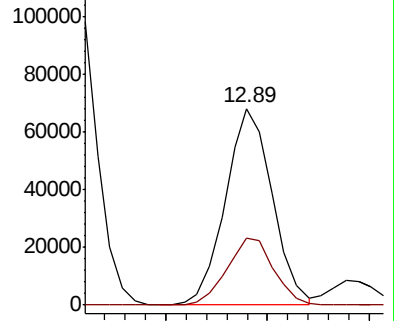
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 10.429 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013479.D

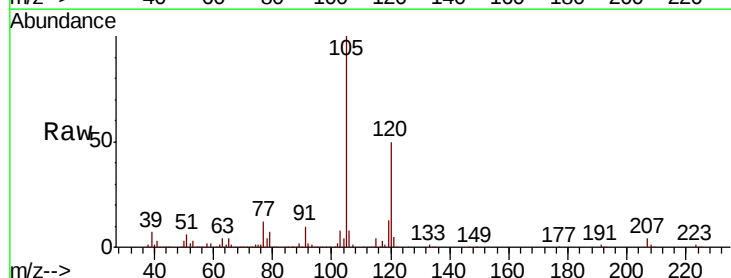
Acq: 08 Oct 2019 10:53

Tgt Ion: 105 Resp: 137422

Ion Ratio Lower Upper

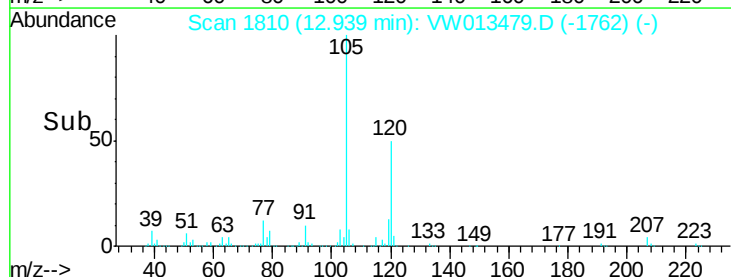
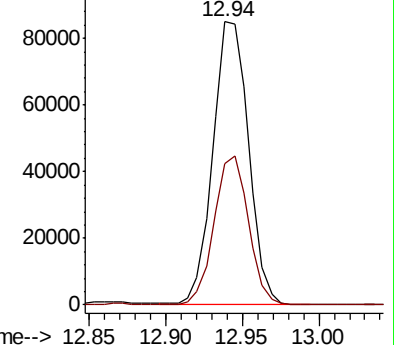
105 100

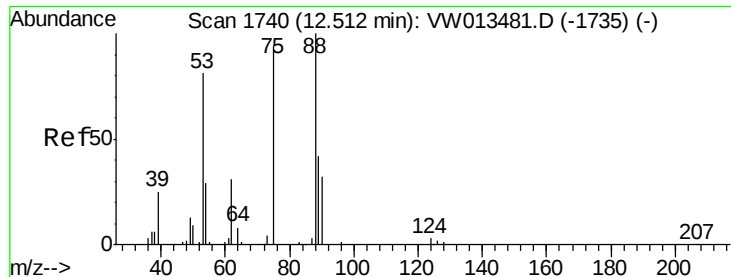
120 51.0 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 9.281 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

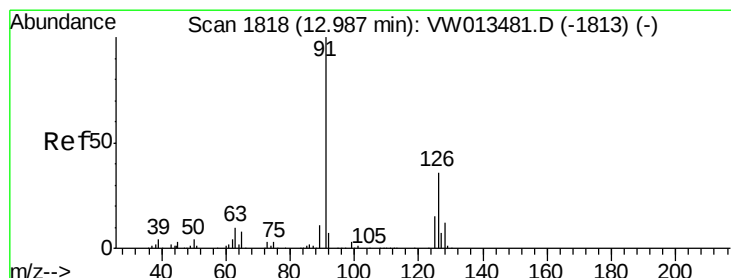
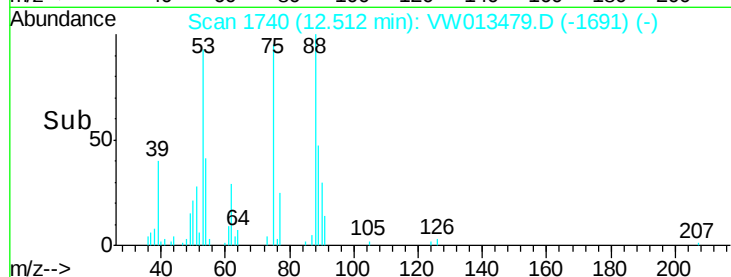
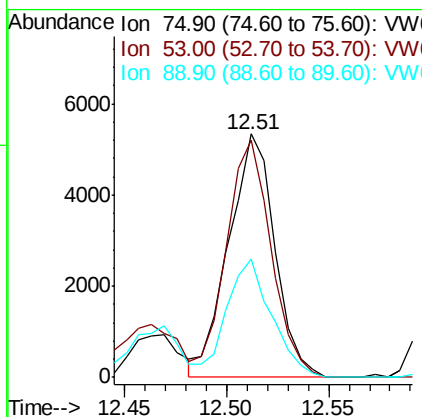
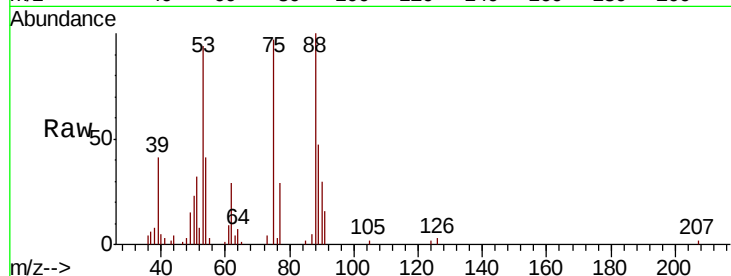
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	8372
Ion	Ratio	Lower	Upper
75	100		
53	95.0	71.0	106.6
89	47.9	36.1	54.1

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#82

4-Chlorotoluene

Concen: 10.582 ug/l

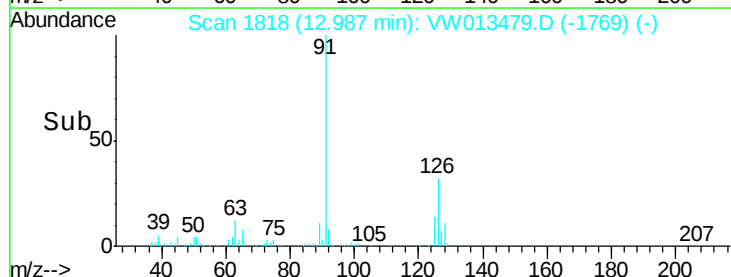
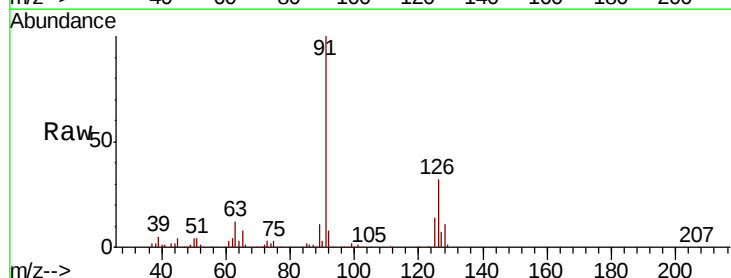
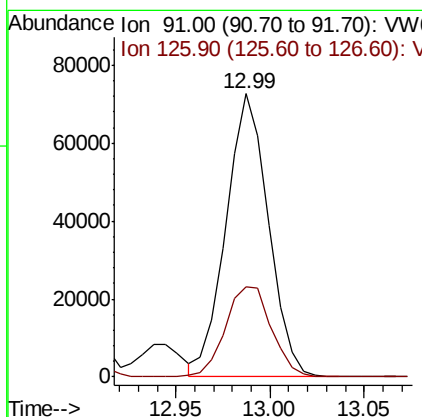
RT: 12.99 min Scan# 1818

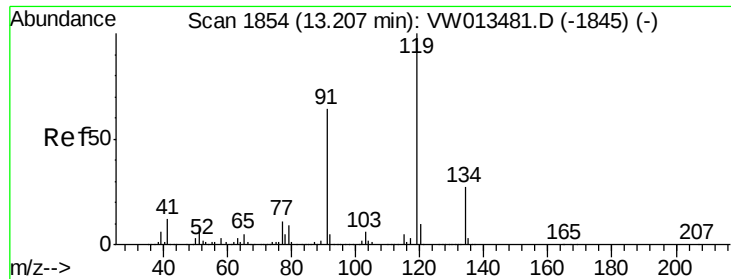
Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	91	Resp:	112843
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.5	52.6





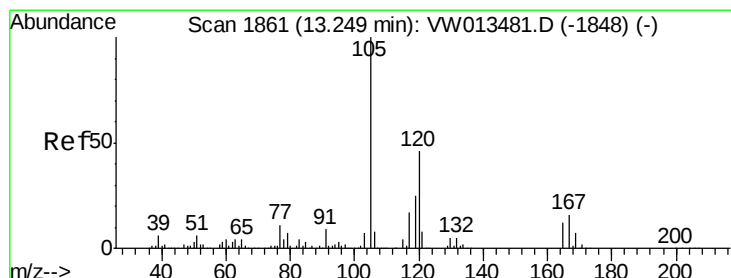
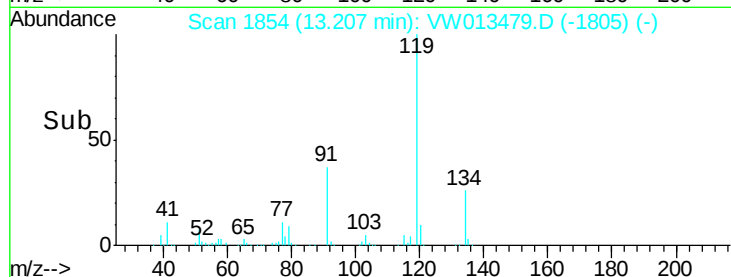
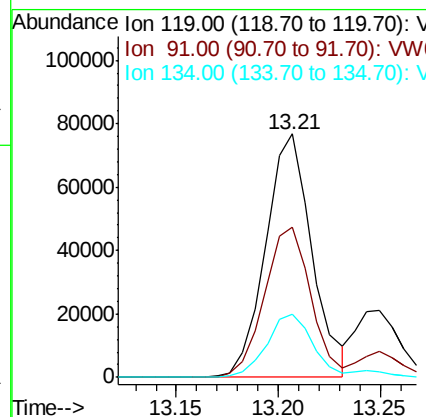
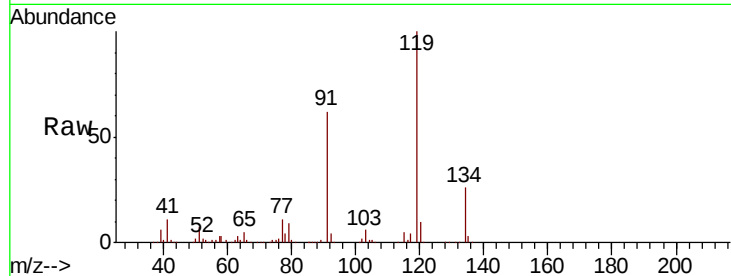
#83
tert-Butylbenzene
Concen: 10.368 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	121321		
91	61.9	30.6	91.6	
134	26.0	13.8	41.3	

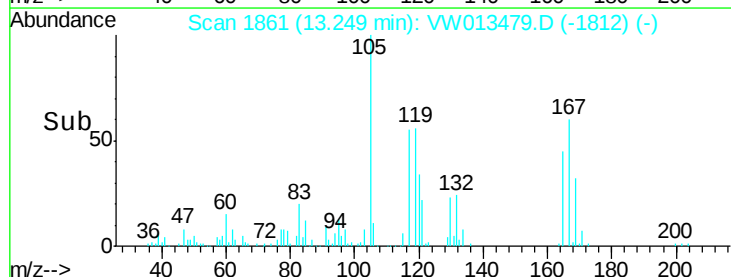
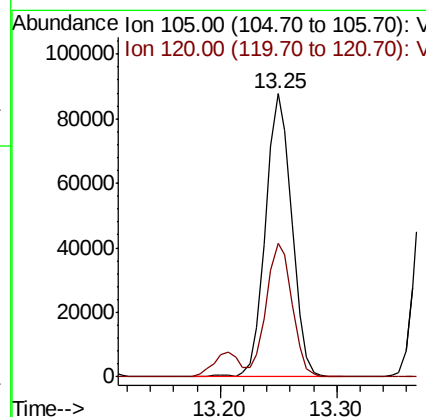
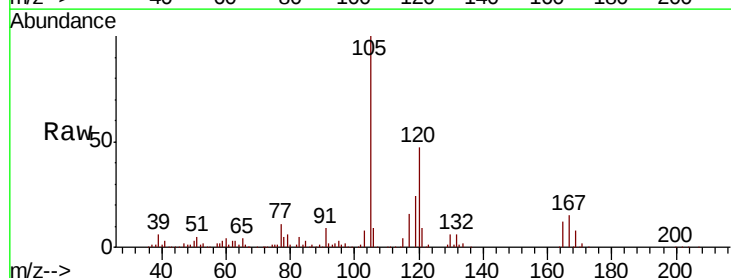
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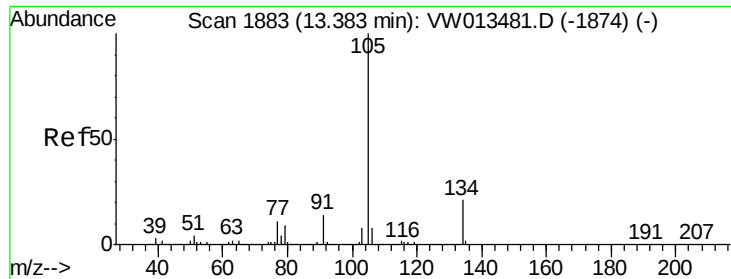
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#84
1,2,4-Trimethylbenzene
Concen: 10.515 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	137024		
120	46.0	23.2	69.5	





#85

sec-Butylbenzene

Concen: 10.443 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 168846

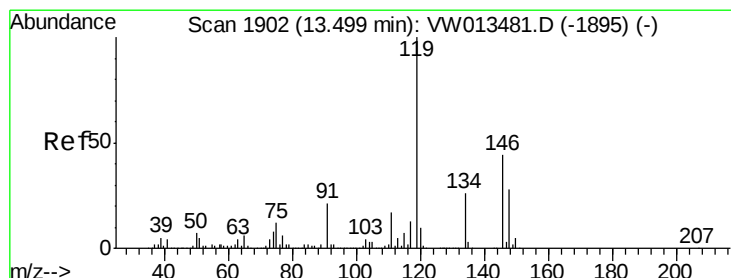
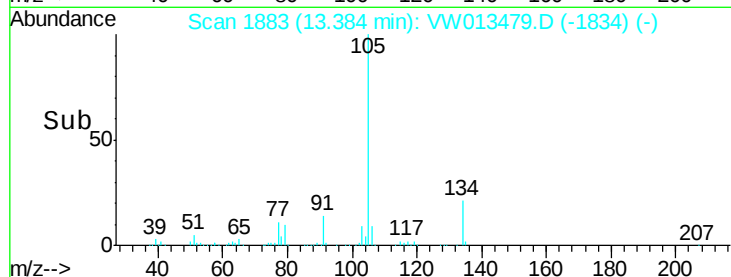
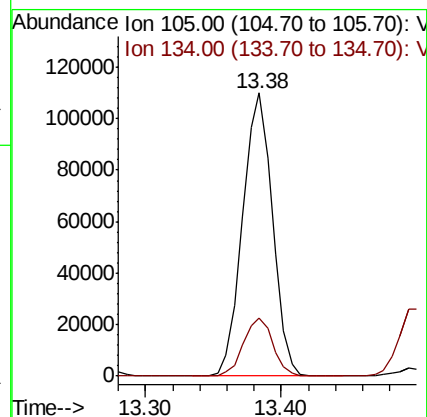
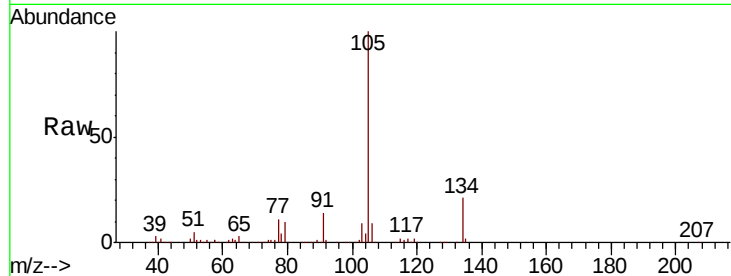
Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 10.404 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

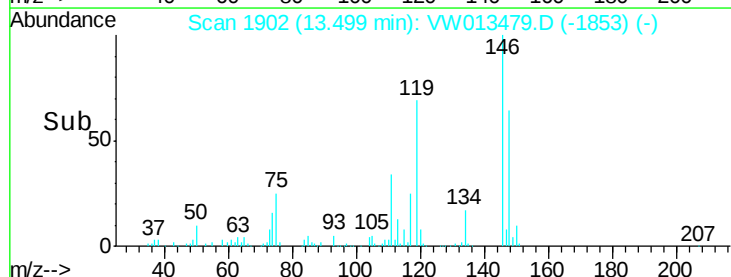
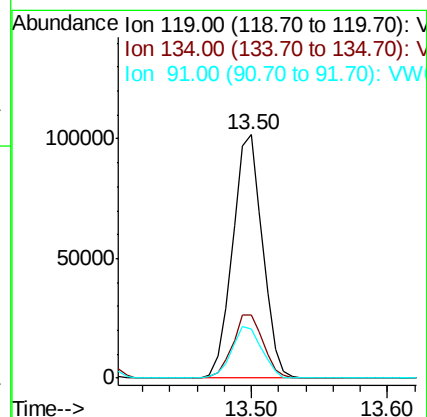
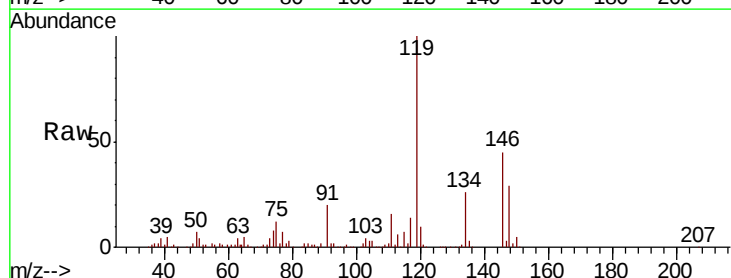
Tgt Ion:119 Resp: 154554

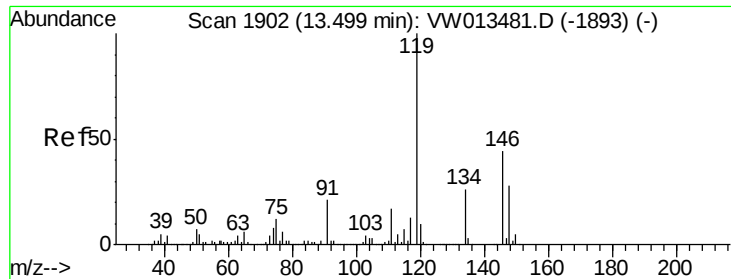
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 21.5 10.8 32.3





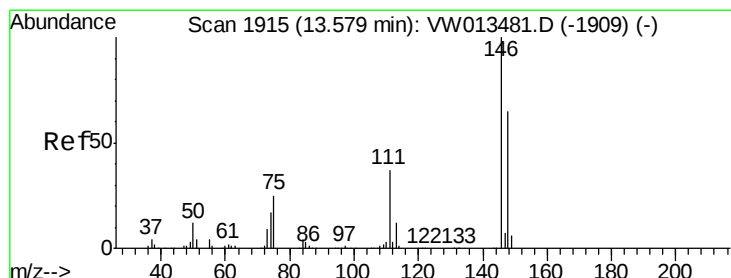
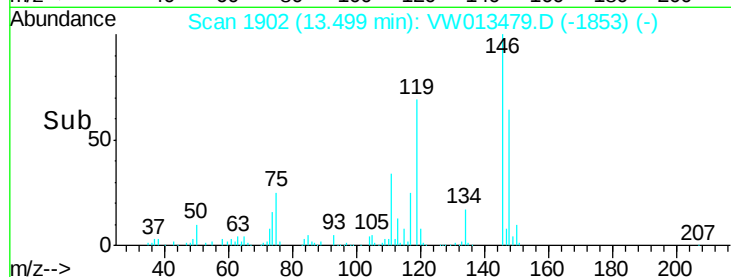
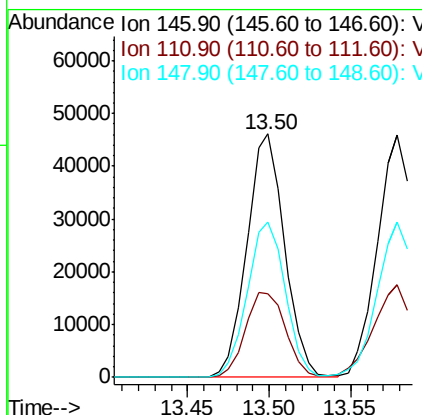
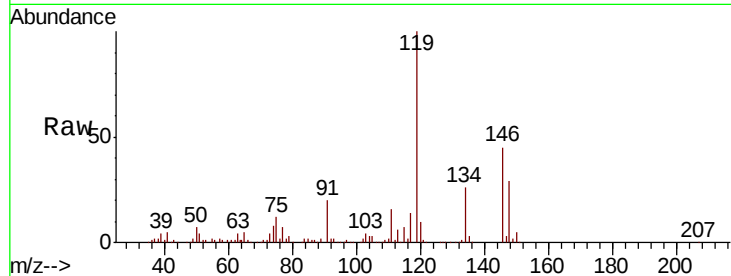
#87
 1,3-Dichlorobenzene
 Concen: 10.411 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.5	32.3	96.8

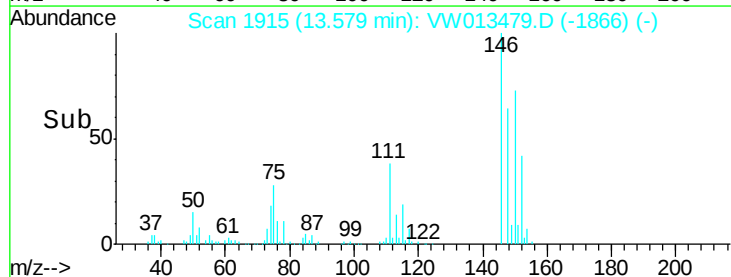
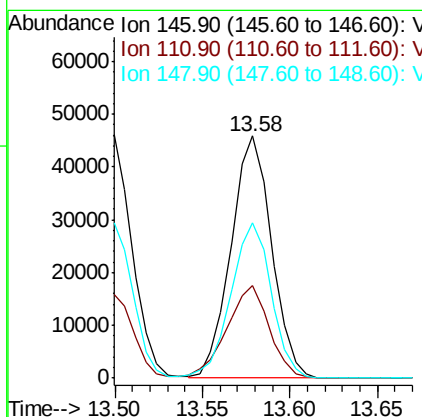
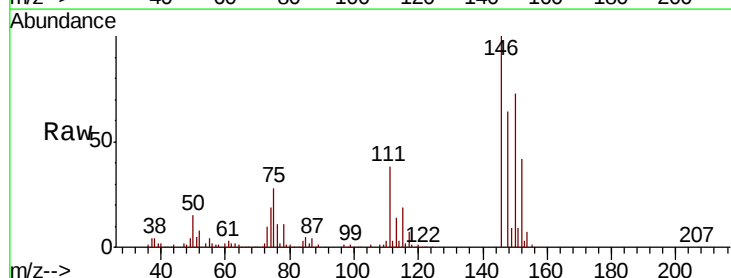
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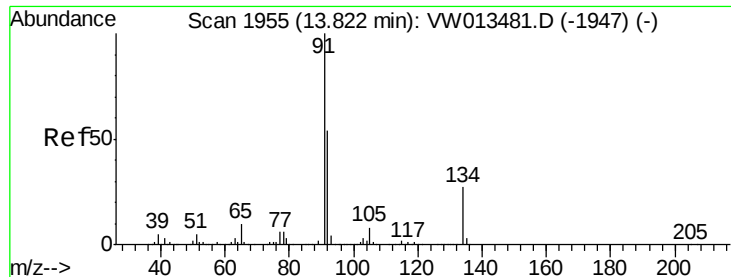
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#88
 1,4-Dichlorobenzene
 Concen: 10.615 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	18.4	55.4
148	64.1	32.0	96.2





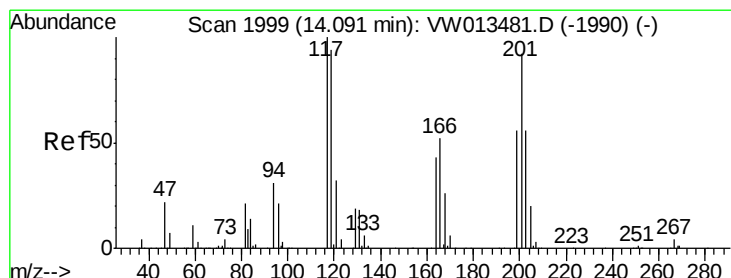
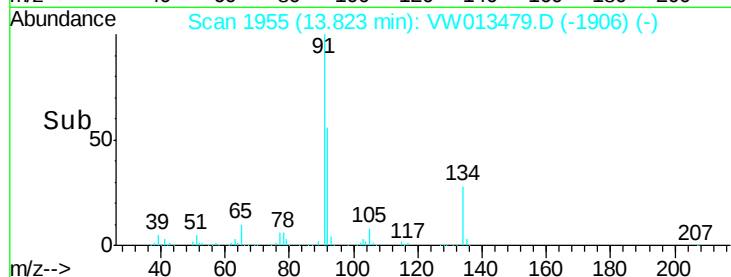
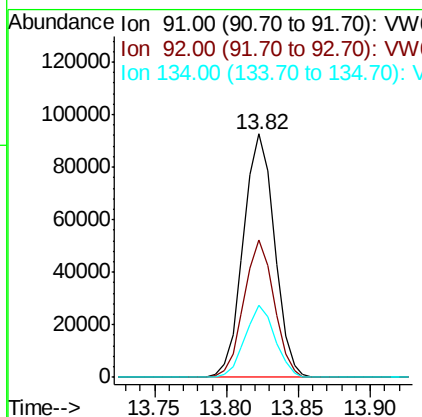
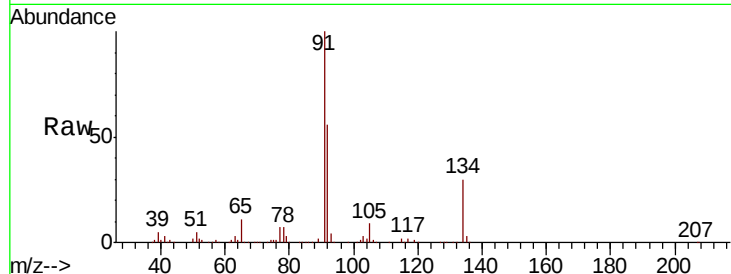
#89
n-Butylbenzene
Concen: 10.364 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	28.4	13.8	41.3

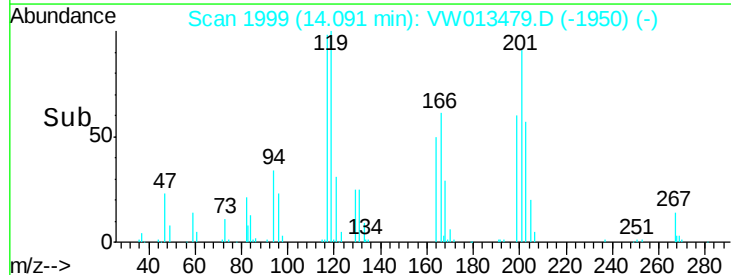
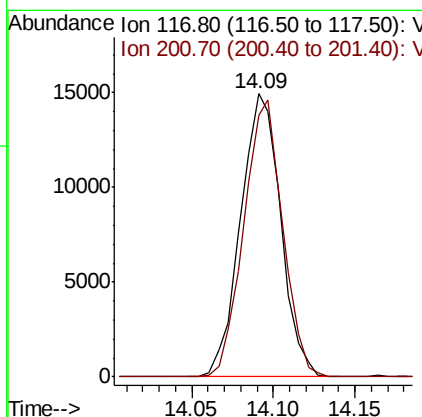
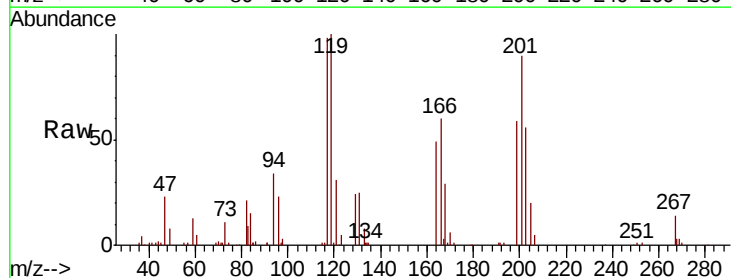
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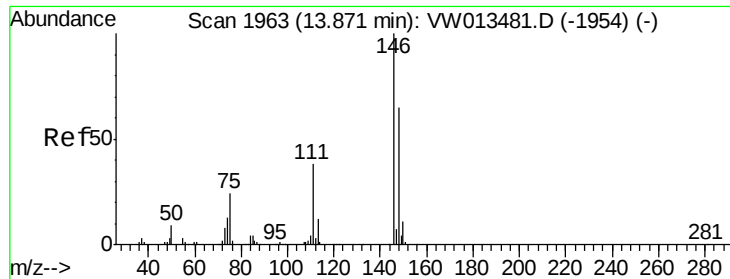
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#90
Hexachloroethane
Concen: 10.060 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013479.D
Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.3	46.9	140.7





#91

1,2-Dichlorobenzene

Concen: 10.604 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

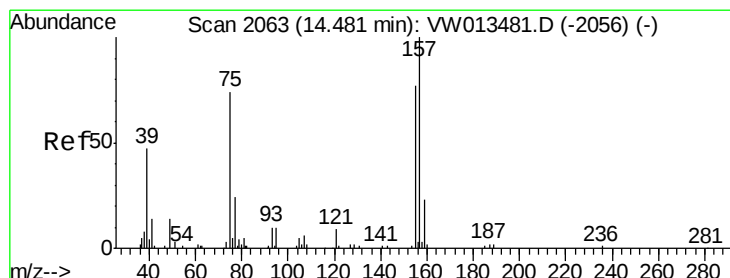
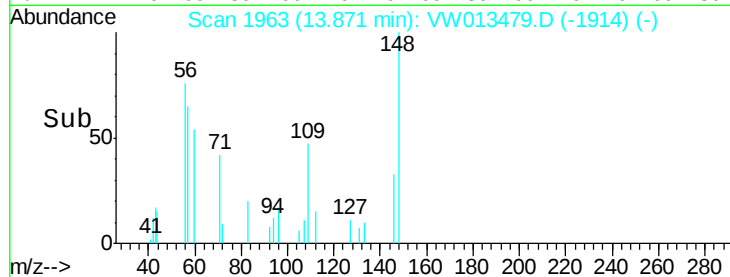
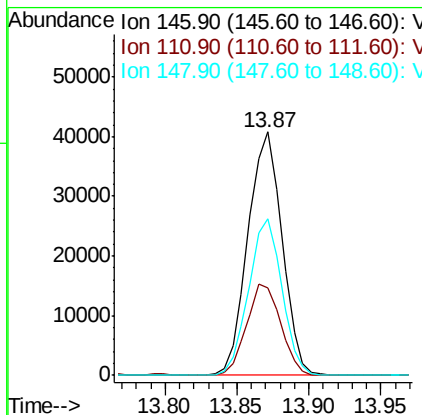
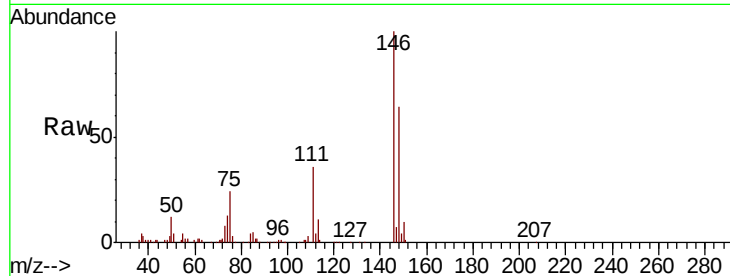
ClientSampled :

VSTDIC010

Tot Ion:	146	Resp:	66732
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.4	58.2
148	63.1	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 9.698 ug/l

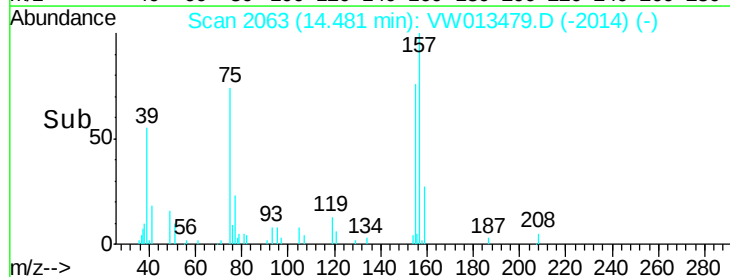
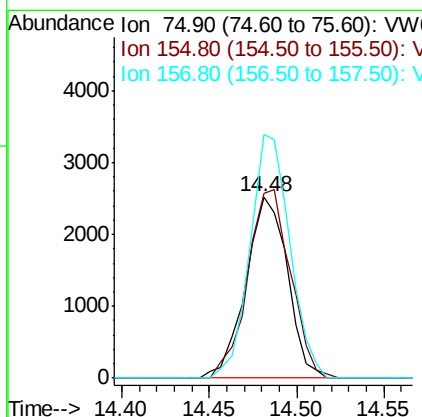
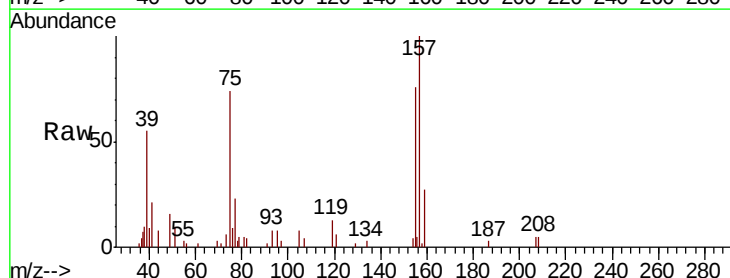
RT: 14.48 min Scan# 2063

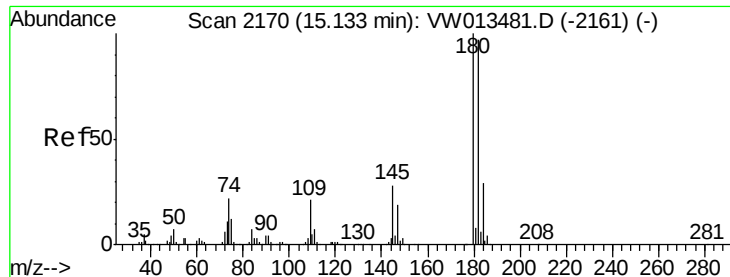
Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	75	Resp:	4179
Ion Ratio	Lower	Upper	
75	100		
155	107.2	51.0	153.1
157	128.8	65.9	197.7





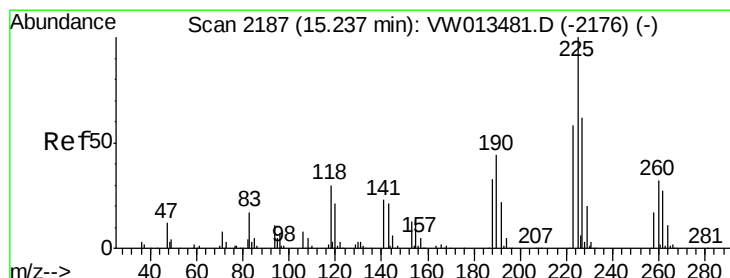
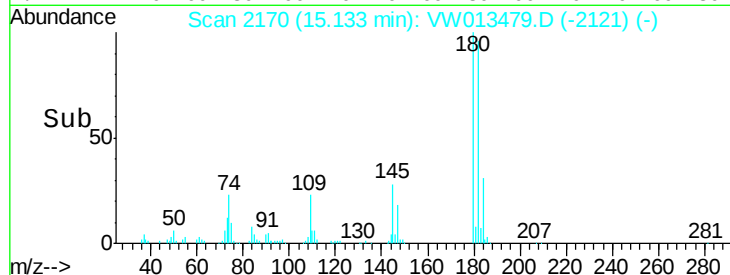
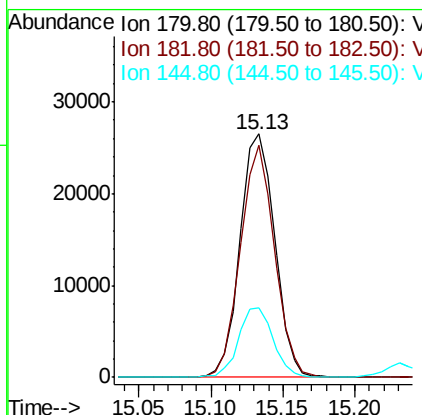
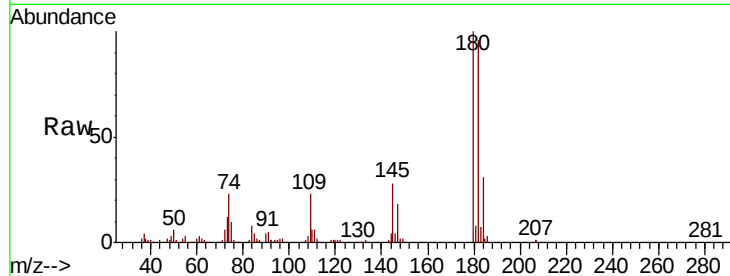
#93
 1,2,4-Trichlorobenzene
 Concen: 9.987 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	44415		
182	93.5	47.7	143.1	
145	28.4	14.0	41.9	

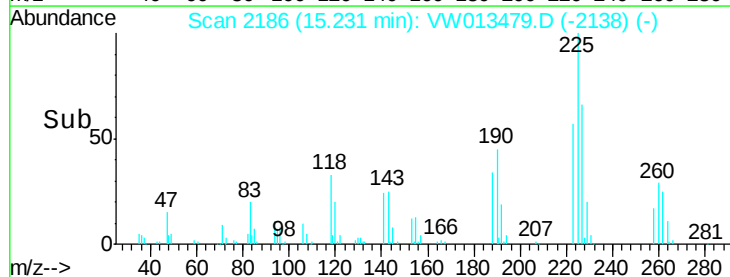
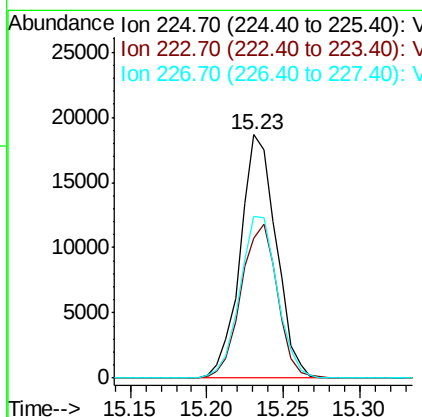
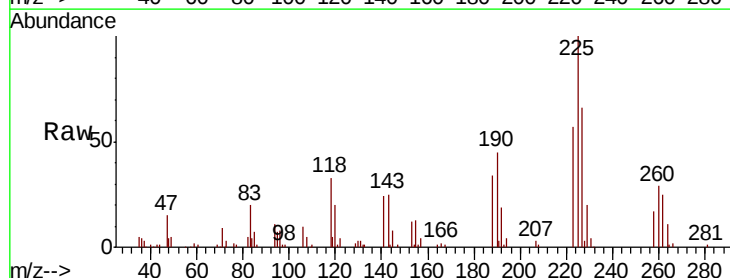
Manual Integrations
 APPROVED

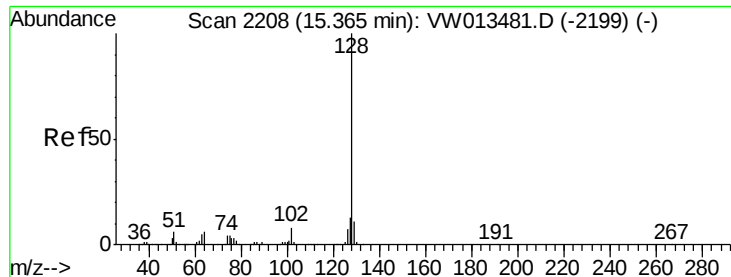
MMDadoda
 10/9/2019 4:08:38 PM



#94
 Hexachlorobutadiene
 Concen: 10.300 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013479.D
 Acq: 08 Oct 2019 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30441		
223	63.8	30.3	90.9	
227	69.1	32.0	96.0	





#95

Naphthalene

Concen: 9.192 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Instrument :

MSVOA_W

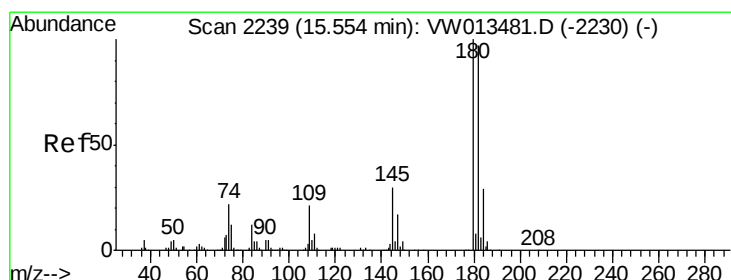
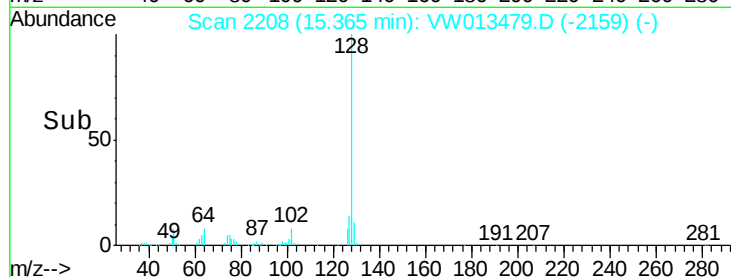
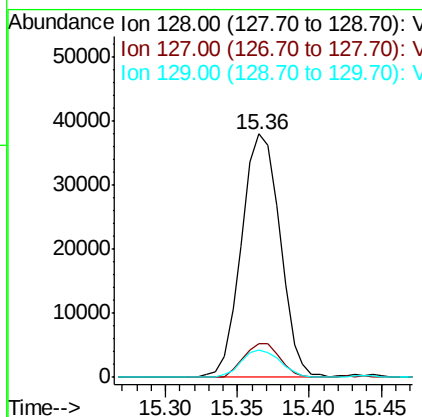
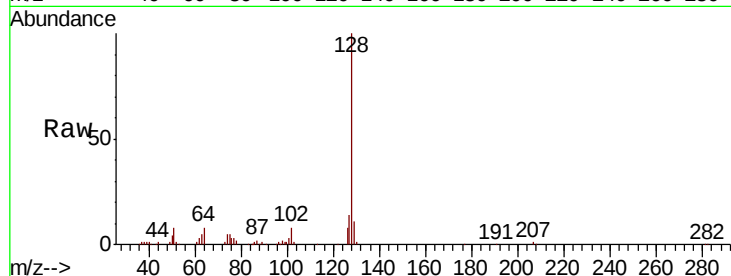
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	70718
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 10.009 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013479.D

Acq: 08 Oct 2019 10:53

Tgt Ion:	180	Resp:	38924
Ion Ratio	Lower	Upper	
180	100		
182	93.3	47.7	143.1
145	30.2	14.9	44.9

