

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012126.D
 Acq On : 23 Aug 2019 10:37
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:39:01 AM

Quant Time: Aug 26 07:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	428874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174368	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	61563	19.43	ug/l	0.00
Spiked Amount			Recovery	=	38.86%	
35) Dibromofluoromethane	7.88	113	48828	19.07	ug/l	0.00
Spiked Amount			Recovery	=	38.14%	
50) Toluene-d8	10.32	98	201196	19.38	ug/l	0.00
Spiked Amount			Recovery	=	38.76%	
62) 4-Bromofluorobenzene	12.62	95	69615	19.03	ug/l	0.00
Spiked Amount			Recovery	=	38.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	26546	16.174	ug/l	99
3) Chloromethane	2.21	50	45368	17.842	ug/l	99
4) Vinyl Chloride	2.36	62	56974	18.306	ug/l	98
5) Bromomethane	2.77	94	27390	17.377	ug/l	97
6) Chloroethane	2.92	64	31778	18.100	ug/l	99
7) Trichlorofluoromethane	3.25	101	28409	18.179	ug/l	98
8) Diethyl Ether	3.68	74	28022	18.891	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	48973	18.436	ug/l	97
10) Methyl Iodide	4.27	142	65741	18.291	ug/l	100
11) Tert butyl alcohol	5.17	59	17543	90.885	ug/l	99
12) 1,1-Dichloroethene	4.04	96	49114	18.370	ug/l	90
13) Acrolein	3.89	56	18855	105.042	ug/l	100
14) Allyl chloride	4.67	41	106620	18.653	ug/l	100
15) Acrylonitrile	5.37	53	70048	95.271	ug/l	99
16) Acetone	4.12	43	72371	89.349	ug/l	98
17) Carbon Disulfide	4.38	76	137280	16.989	ug/l	97
18) Methyl Acetate	4.67	43	39443	19.661	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	84371	19.513	ug/l	100
20) Methylene Chloride	4.92	84	58060	18.961	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	54187	18.900	ug/l	97
22) Diisopropyl ether	6.31	45	209879	19.809	ug/l	98
23) Vinyl Acetate	6.26	43	626236	96.044	ug/l	99
24) 1,1-Dichloroethane	6.21	63	111584	19.343	ug/l	99
25) 2-Butanone	7.17	43	102722	93.327	ug/l	100
26) 2,2-Dichloropropane	7.17	77	62722	19.209	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59045	19.275	ug/l	98
28) Bromochloromethane	7.51	49	52146	20.740	ug/l	100
29) Tetrahydrofuran	7.53	42	63430	96.054	ug/l	99
30) Chloroform	7.68	83	102796	19.477	ug/l	100
31) Cyclohexane	7.96	56	104283	18.271	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	80833	19.360	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84154	18.988	ug/l	99
37) Ethyl Acetate	7.25	43	46827	19.281	ug/l	100
38) Carbon Tetrachloride	8.07	117	72918	19.009	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	91377	18.353	ug/l	99
40) Benzene	8.32	78	233802	19.320	ug/l	98
41) Methacrylonitrile	7.48	41	29204	20.460	ug/l	93
42) 1,2-Dichloroethane	8.40	62	74143	19.549	ug/l	99
43) Isopropyl Acetate	8.42	43	85003	18.896	ug/l	100
44) Trichloroethene	9.09	130	56126	19.078	ug/l	97
45) 1,2-Dichloropropane	9.37	63	63055	19.360	ug/l	95
46) Dibromomethane	9.46	93	28211	19.468	ug/l	98
47) Bromodichloromethane	9.65	83	73970	19.180	ug/l	97
48) Methyl methacrylate	9.43	41	40481	18.907	ug/l	96
49) 1,4-Dioxane	9.46	88	7782	350.792	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	220424	96.334	ug/l	99
52) Toluene	10.39	92	139905	19.244	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	74247	18.900	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	91189	19.224	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39827	19.425	ug/l	98
56) Ethyl methacrylate	10.65	69	56736	19.013	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75179	19.404	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	150716	98.413	ug/l	100
59) 2-Hexanone	10.97	43	152981	94.492	ug/l	100
60) Dibromochloromethane	11.13	129	43544	19.068	ug/l	99
61) 1,2-Dibromoethane	11.24	107	36648	19.186	ug/l	99
64) Tetrachloroethene	10.86	164	46400	19.562	ug/l	96
65) Chlorobenzene	11.66	112	140767	19.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	49363	19.641	ug/l	99
67) Ethyl Benzene	11.73	91	268705	19.363	ug/l	98
68) m/p-Xylenes	11.84	106	194994	39.008	ug/l	100
69) o-Xylene	12.16	106	90236	19.504	ug/l	99
70) Styrene	12.18	104	156214	19.507	ug/l	99
71) Bromoform	12.35	173	24453	19.529	ug/l #	97
73) Isopropylbenzene	12.46	105	254037	19.443	ug/l	100
74) N-amyl acetate	12.27	43	76039	19.263	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47373	19.777	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33464m	19.918	ug/l	
77) Bromobenzene	12.75	156	55167	19.517	ug/l	99
78) n-propylbenzene	12.80	91	311824	19.550	ug/l	99
79) 2-Chlorotoluene	12.89	91	176618	19.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213944	19.596	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15049	19.429	ug/l	98
82) 4-Chlorotoluene	12.99	91	183548	19.357	ug/l	99
83) tert-Butylbenzene	13.21	119	179262	19.384	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	215906	19.687	ug/l	100
85) sec-Butylbenzene	13.38	105	257806	19.458	ug/l	100
86) p-Isopropyltoluene	13.50	119	229276	19.377	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108052	19.544	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	107002	19.492	ug/l	99
89) n-Butylbenzene	13.82	91	227470	19.331	ug/l	100
90) Hexachloroethane	14.09	117	38764	18.672	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	94306	19.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7886	19.529	ug/l	93

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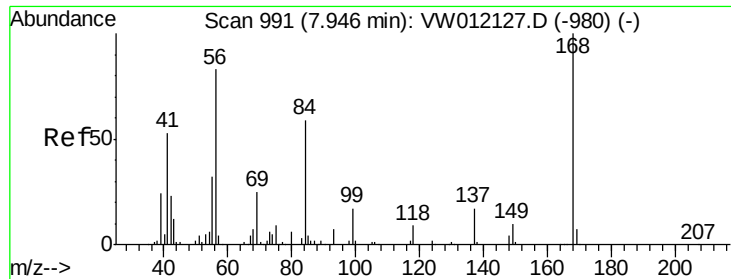
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	64140	19.136	ug/l	98
94) Hexachlorobutadiene	15.24	225	42491	19.199	ug/l	98
95) Naphthalene	15.37	128	109655	18.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	55050	18.825	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: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 266554

Ion Ratio Lower Upper

168 100

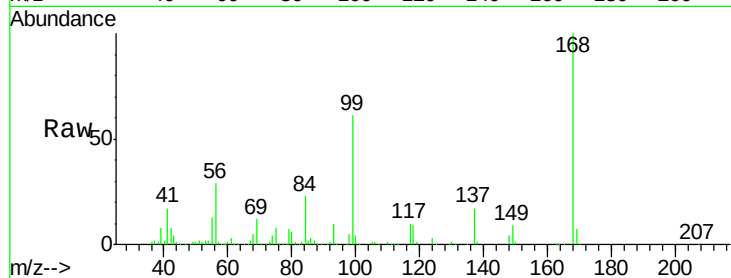
99 61.4 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

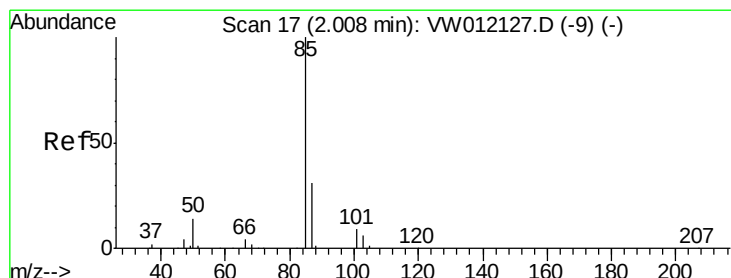
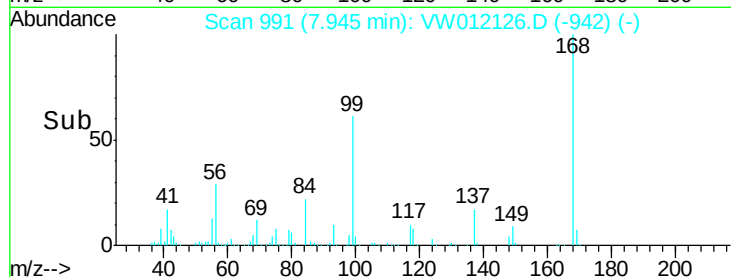
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.174 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012126.D

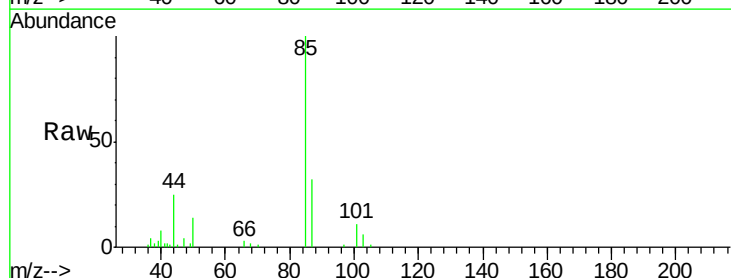
Acq: 23 Aug 2019 10:37

Tgt Ion: 85 Resp: 26546

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

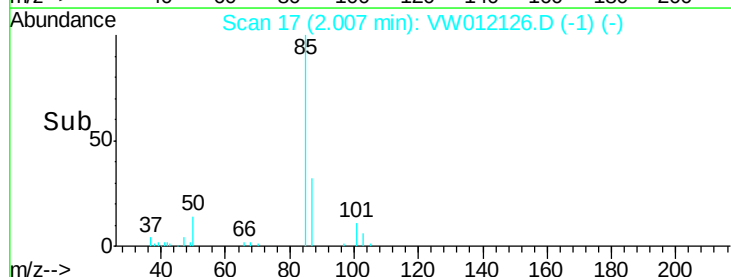
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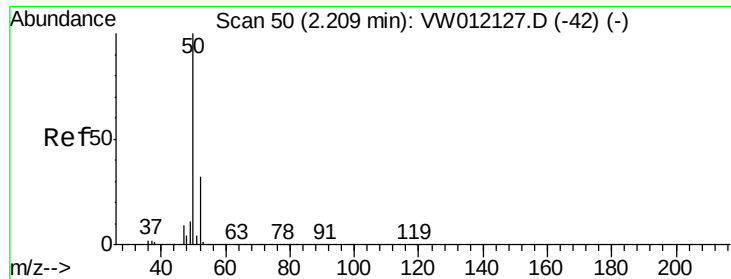
4000

2000

0

Time-->





#3

Chloromethane

Concen: 17.842 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 45368

Ion Ratio Lower Upper

50 100

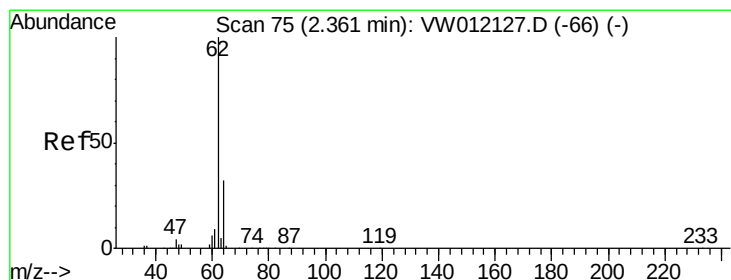
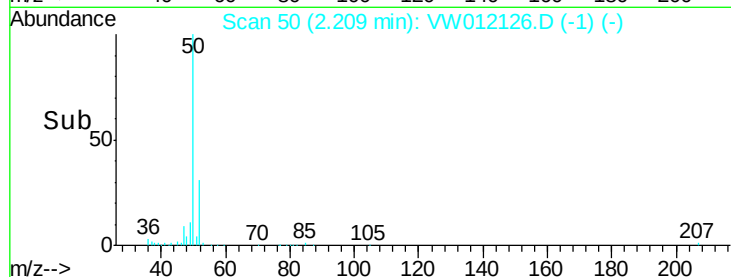
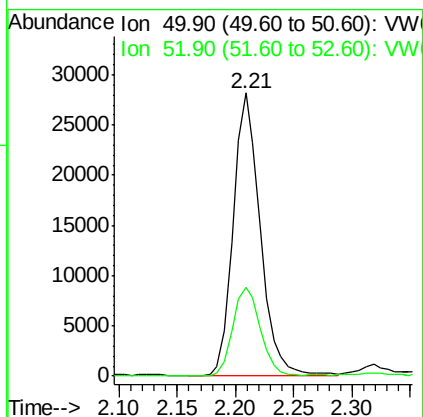
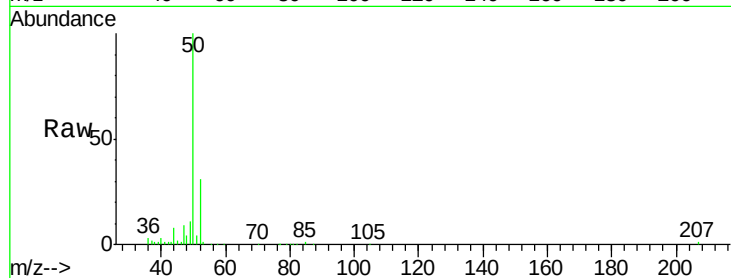
52 31.5 25.5 38.3

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#4

Vinyl Chloride

Concen: 18.306 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012126.D

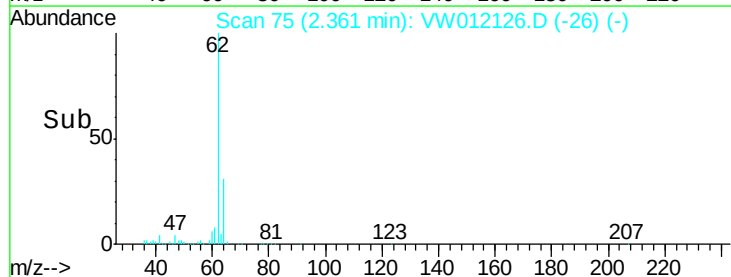
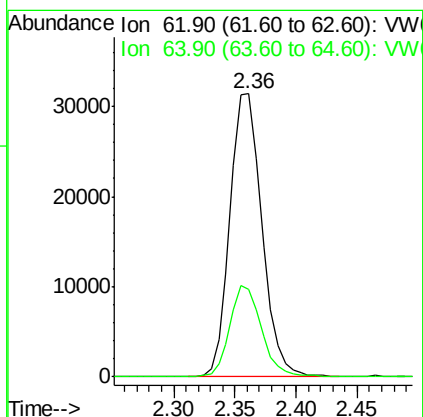
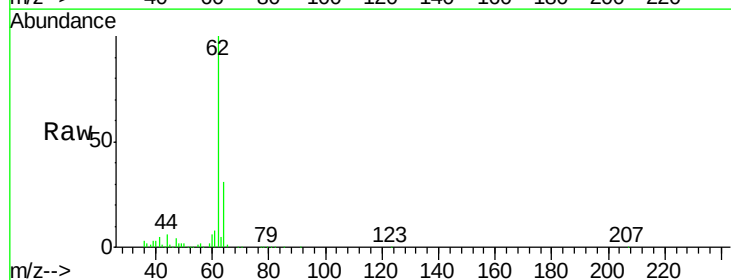
Acq: 23 Aug 2019 10:37

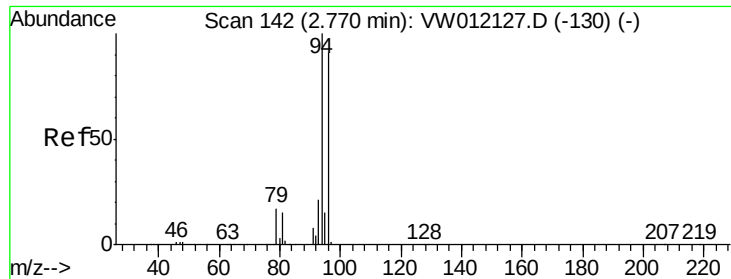
Tgt Ion: 62 Resp: 56974

Ion Ratio Lower Upper

62 100

64 30.7 25.3 37.9





#5

Bromomethane

Concen: 17.377 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 27390

Ion Ratio Lower Upper

94 100

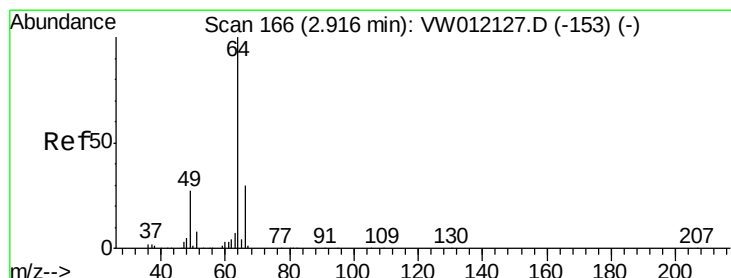
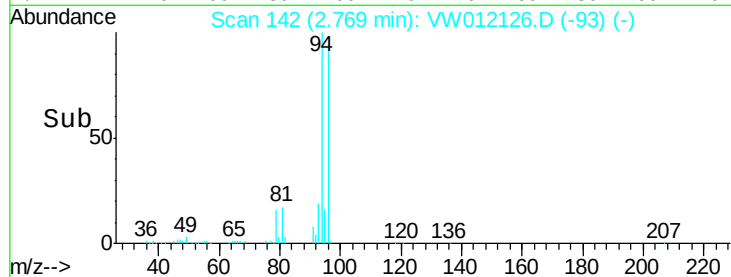
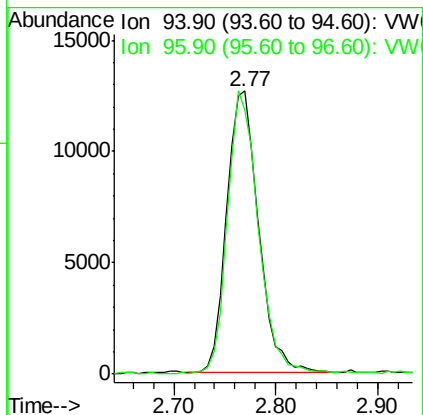
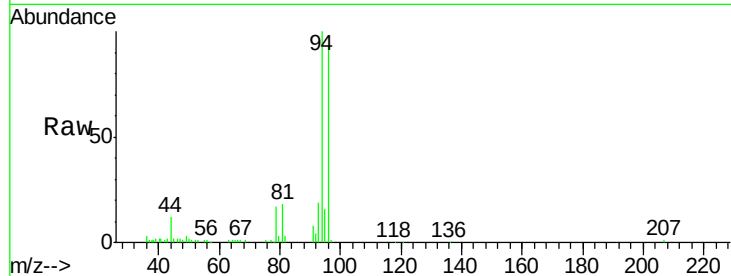
96 93.9 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.100 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012126.D

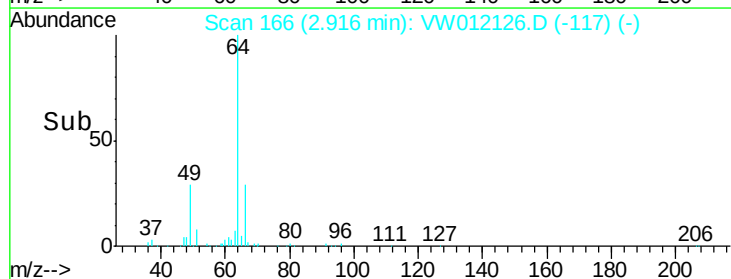
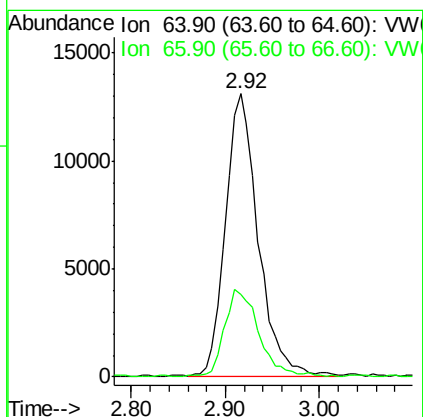
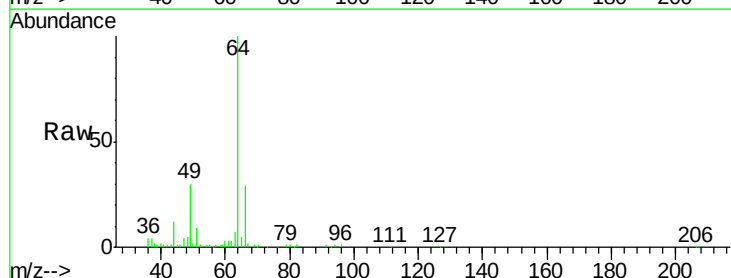
Acq: 23 Aug 2019 10:37

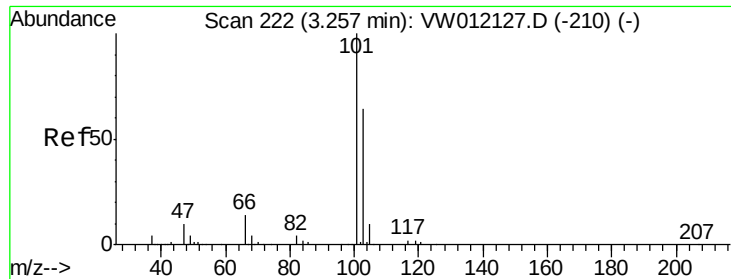
Tgt Ion: 64 Resp: 31778

Ion Ratio Lower Upper

64 100

66 29.3 23.8 35.8





#7

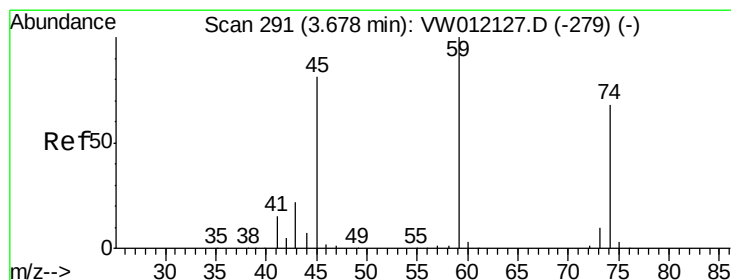
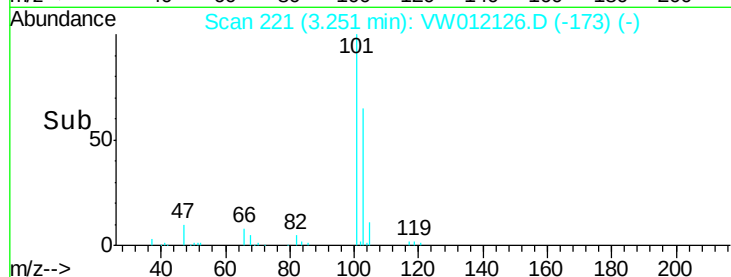
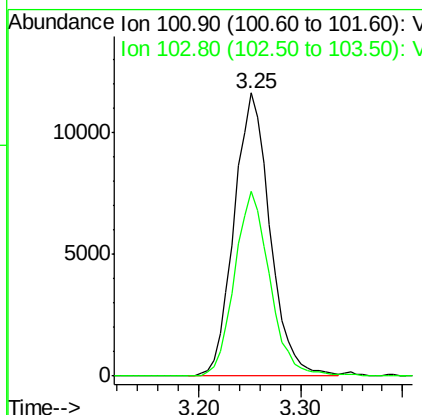
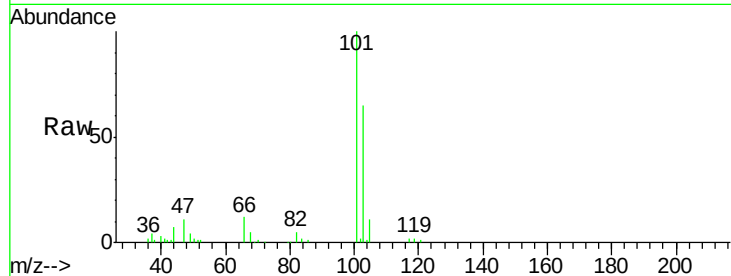
Trichlorofluoromethane
 Concen: 18.179 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012126.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

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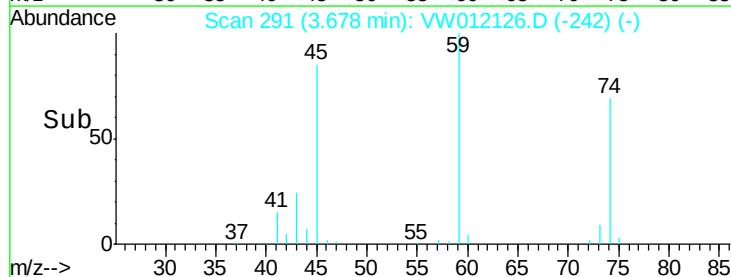
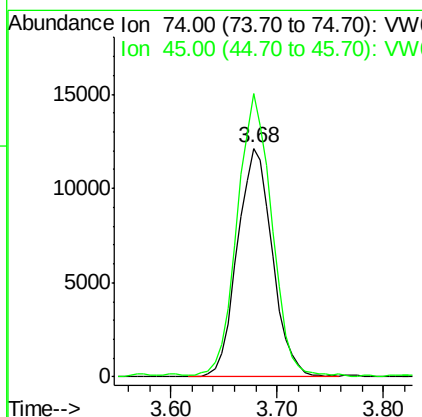
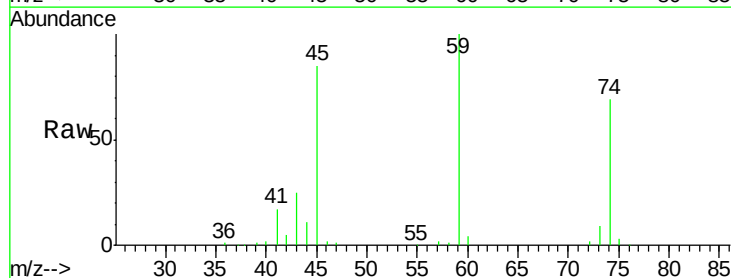
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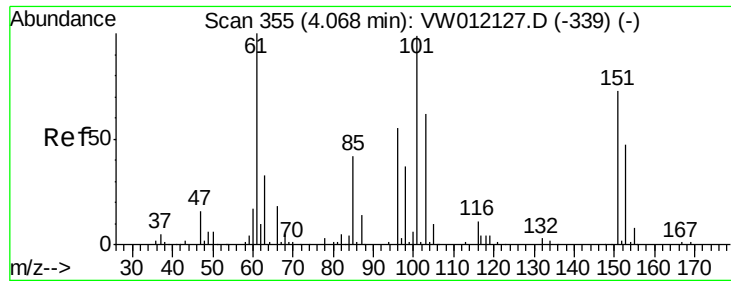


#8

Diethyl Ether
 Concen: 18.891 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.2	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.436 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

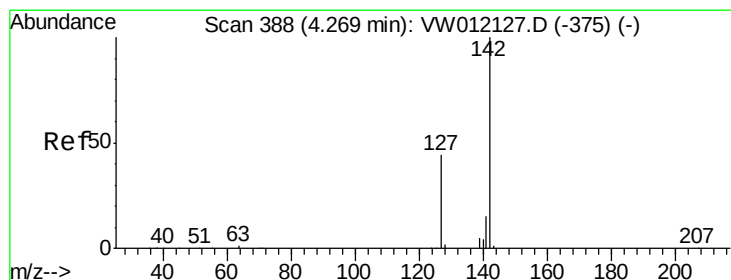
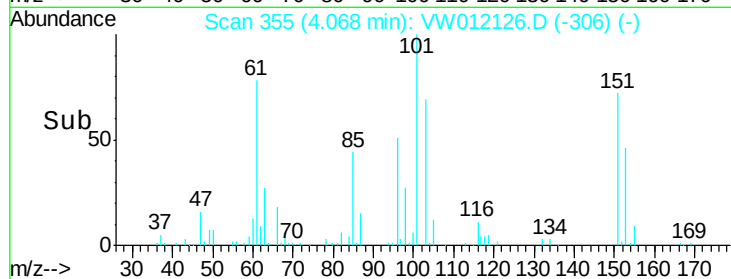
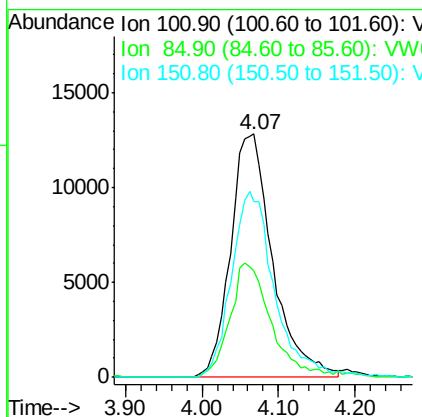
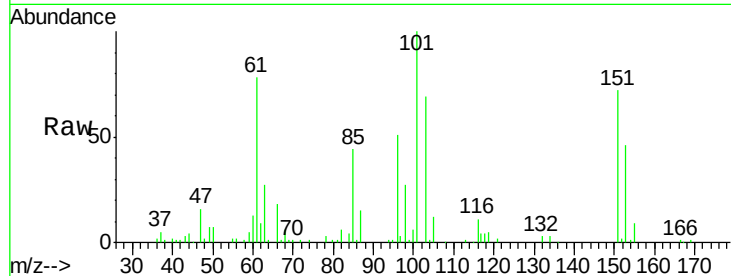
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	48973
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.8	53.6
151	76.9	58.6	87.8

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#10

Methyl Iodide

Concen: 18.291 ug/l

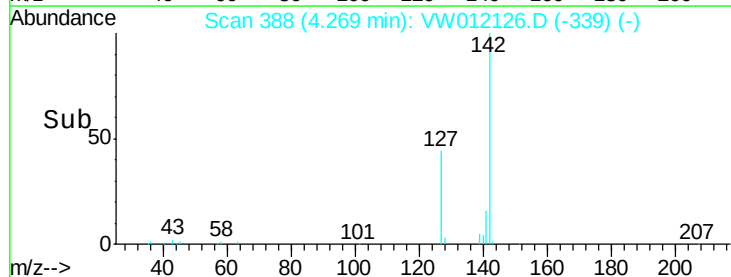
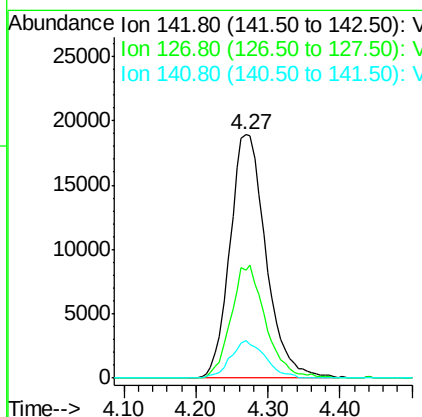
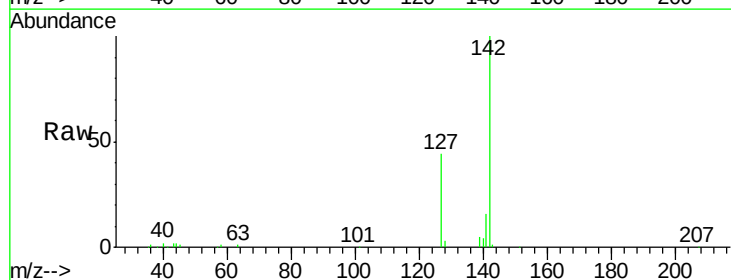
RT: 4.27 min Scan# 388

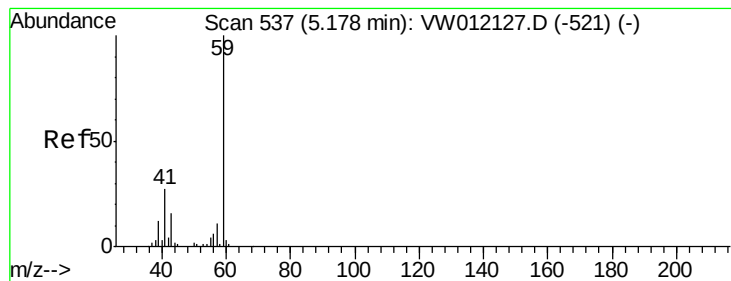
Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion:	142	Resp:	65741
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.5	53.3
141	14.9	11.8	17.8





#11

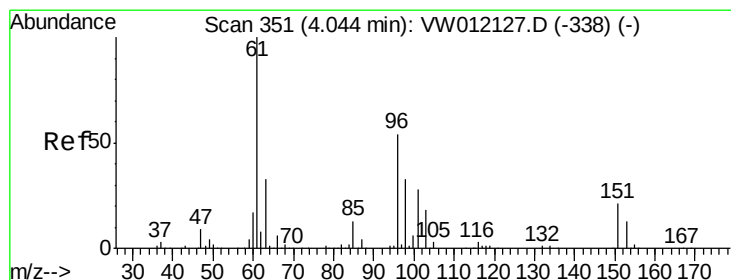
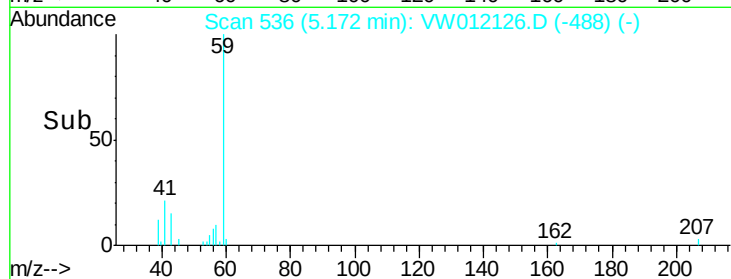
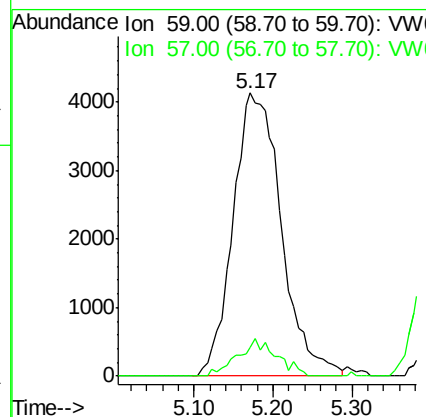
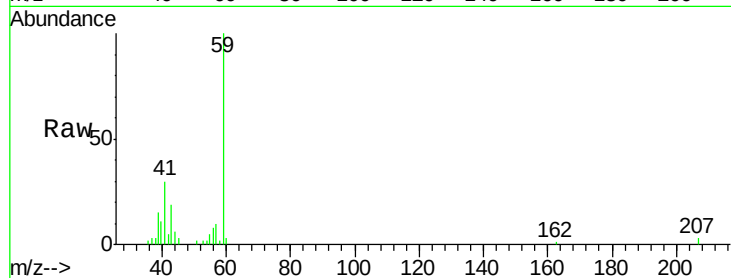
Tert butyl alcohol
Concen: 90.885 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	17543
Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.4

Manual Integrations
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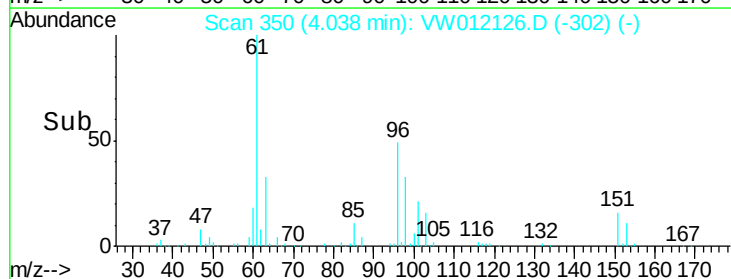
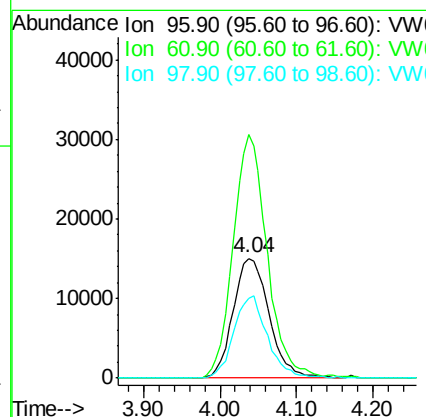
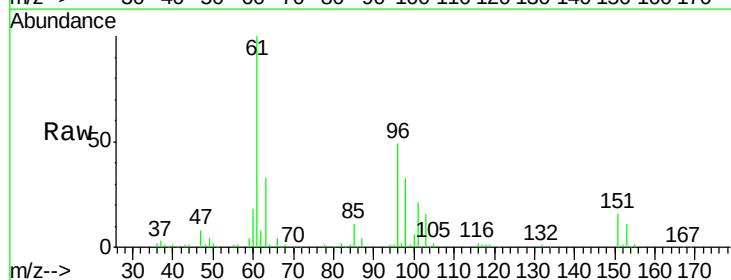
MMDadoda
8/26/2019 11:39:01 AM

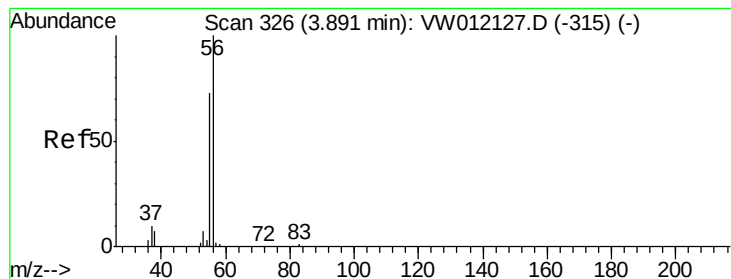


#12

1,1-Dichloroethene
Concen: 18.370 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	96	Resp	49114
Ion	Ratio	Lower	Upper
96	100		
61	202.9	149.1	223.7
98	66.3	49.4	74.2





#13

Acrolein

Concen: 105.042 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 18855

Ion Ratio Lower Upper

56 100

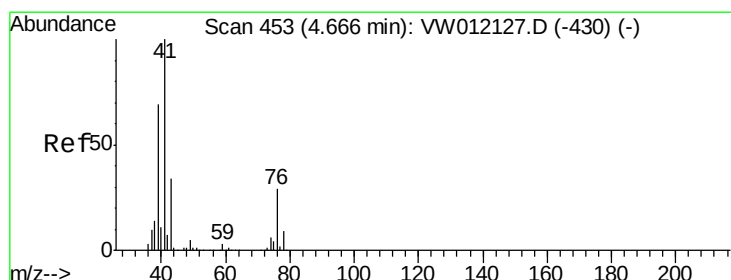
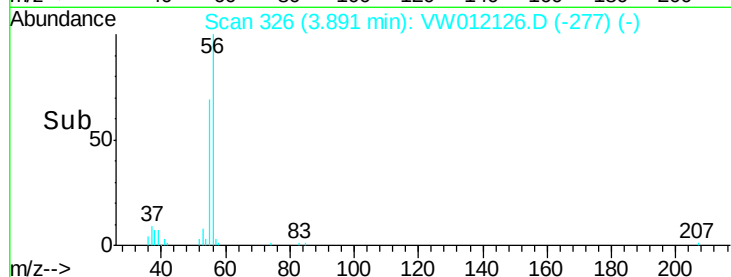
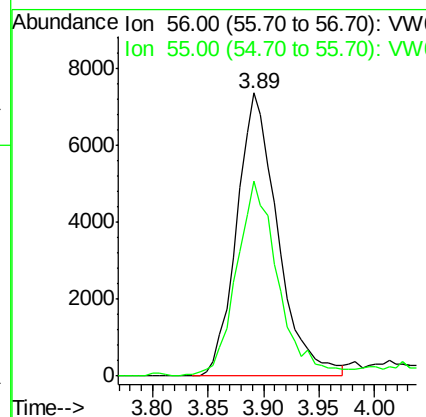
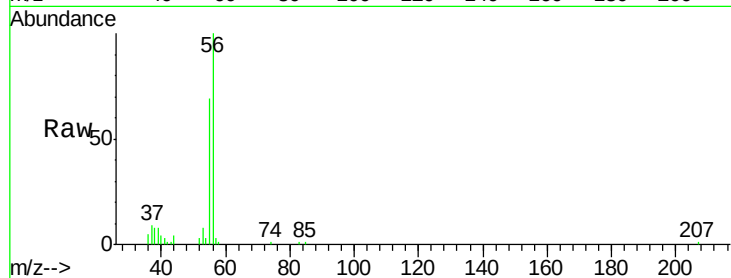
55 70.0 55.8 83.8

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 18.653 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

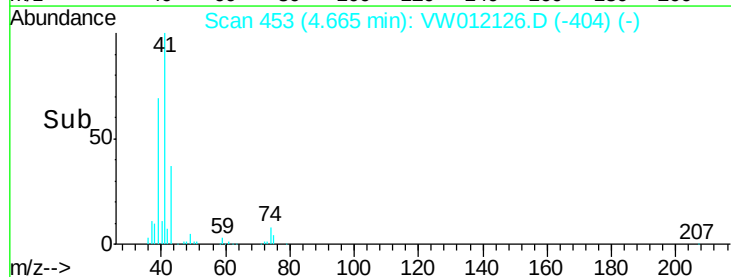
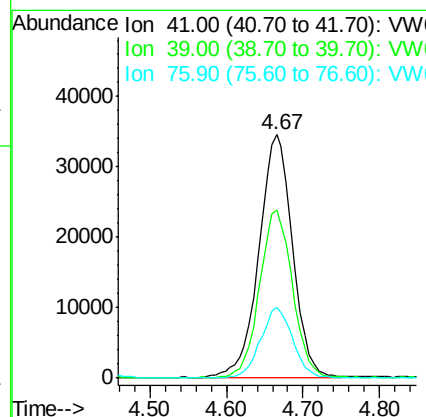
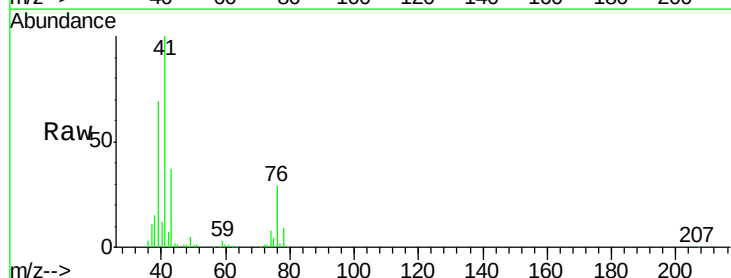
Tgt Ion: 41 Resp: 106620

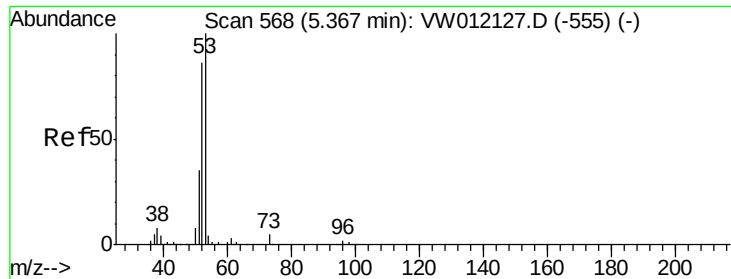
Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 95.271 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

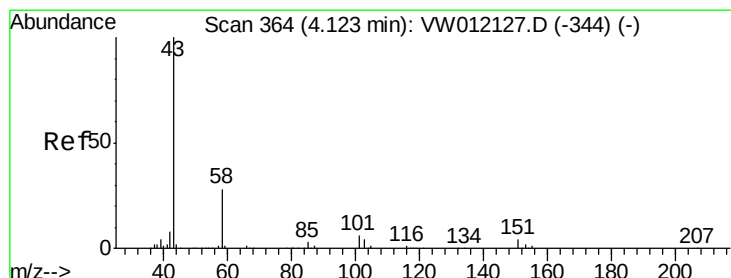
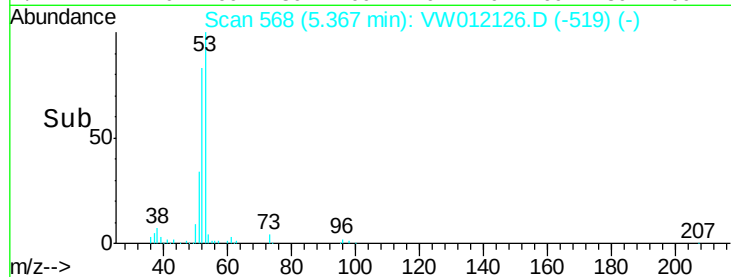
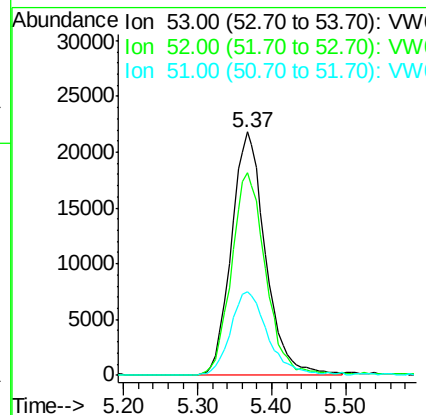
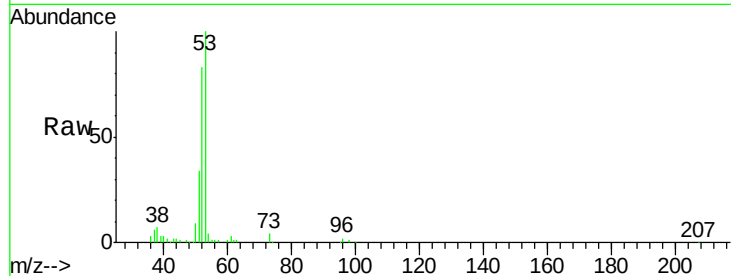
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	70048
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.7	100.1
51	37.2	30.1	45.1

Manual Integrations
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8/26/2019 11:39:01 AM



#16

Acetone

Concen: 89.349 ug/l

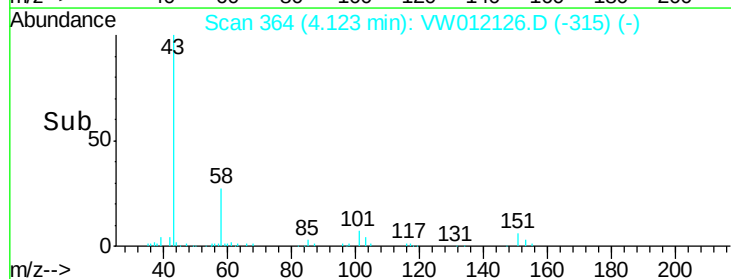
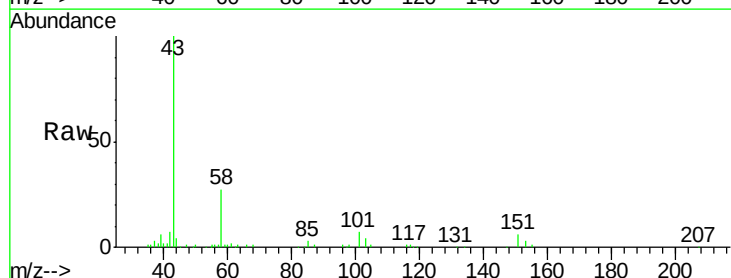
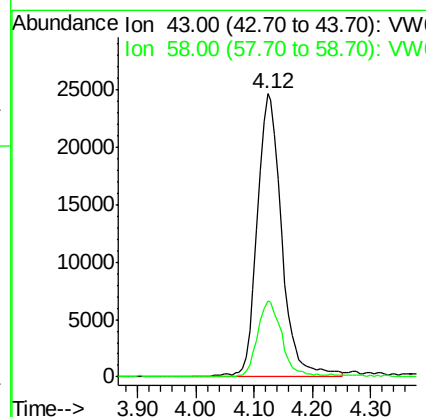
RT: 4.12 min Scan# 364

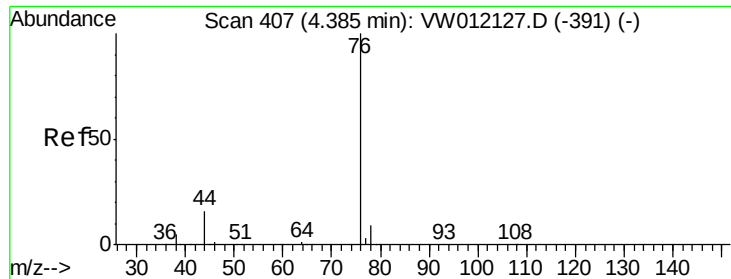
Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion:	43	Resp:	72371
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.4	33.6





#17

Carbon Disulfide

Concen: 16.989 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 137280

Ion Ratio Lower Upper

76 100

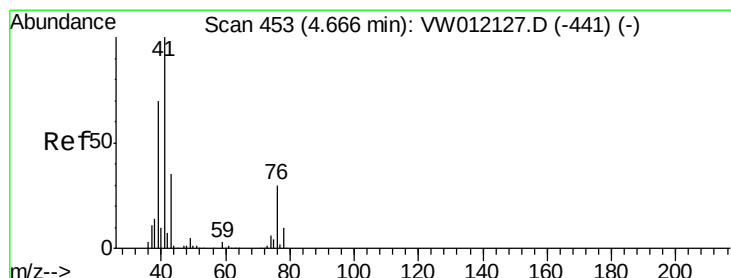
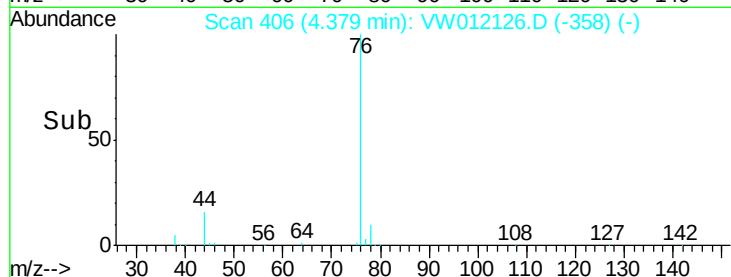
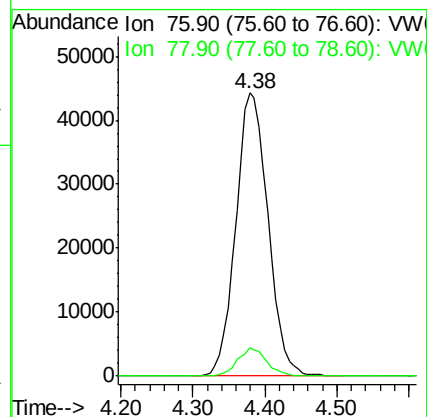
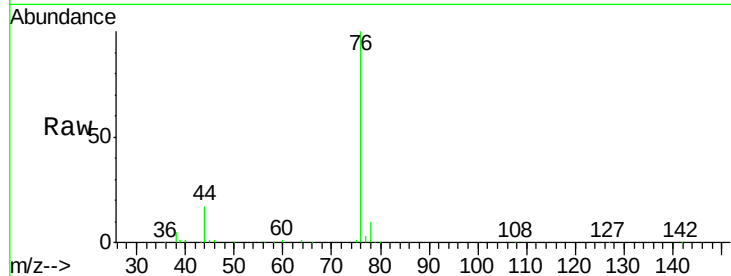
78 10.3 7.3 10.9

Manual Integrations

APPROVED

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8/26/2019 11:39:01 AM



#18

Methyl Acetate

Concen: 19.661 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012126.D

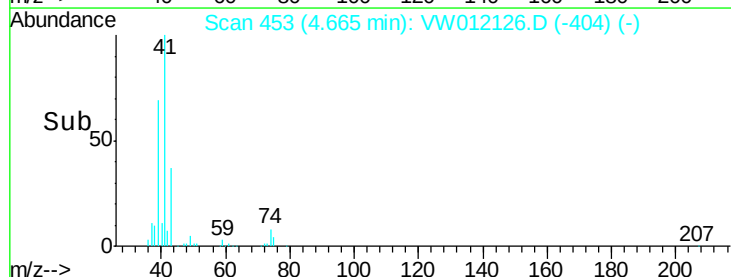
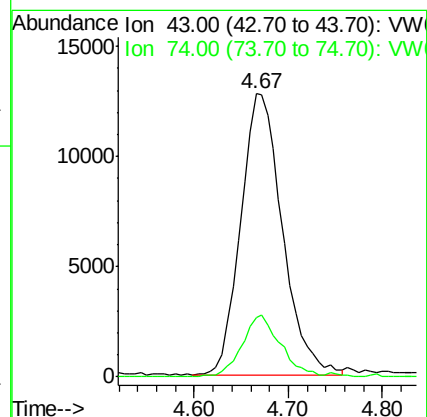
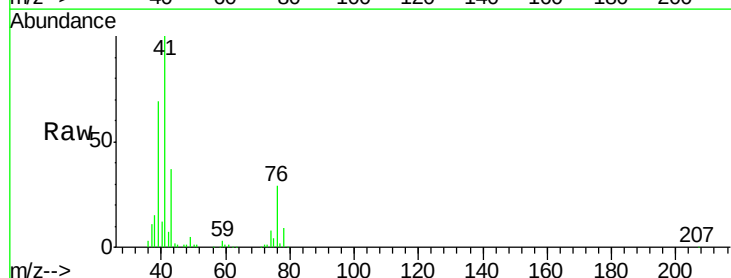
Acq: 23 Aug 2019 10:37

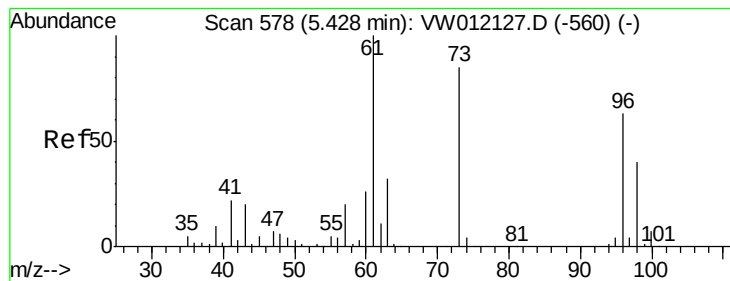
Tgt Ion: 43 Resp: 39443

Ion Ratio Lower Upper

43 100

74 20.3 15.7 23.5





#19

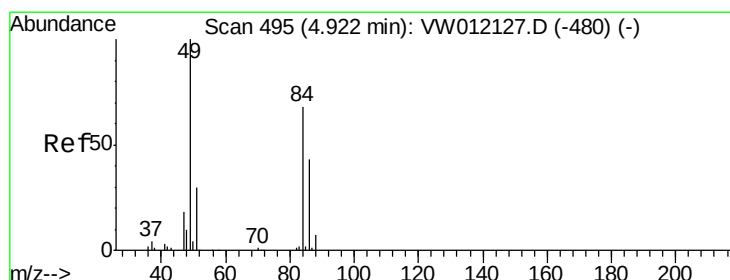
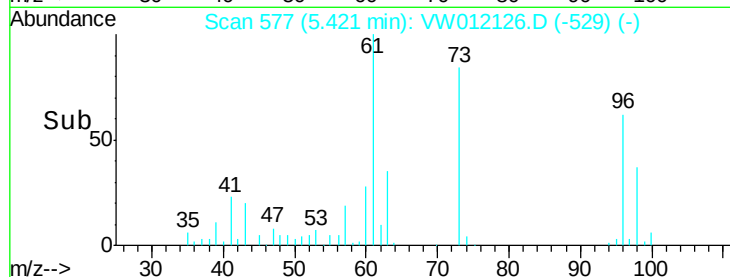
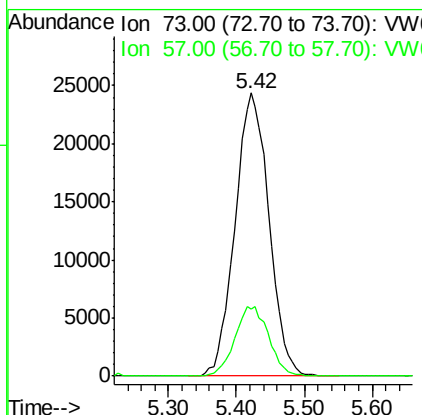
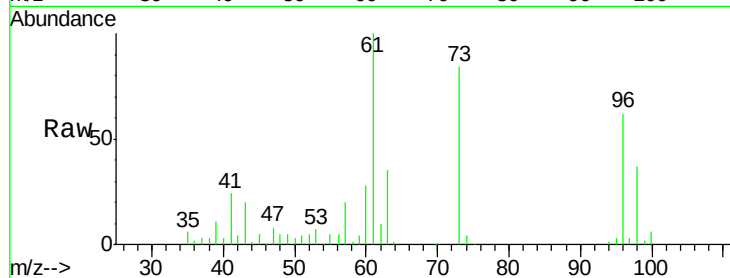
Methyl tert-butyl Ether
 Concen: 19.513 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.9	28.3

Manual Integrations
 APPROVED

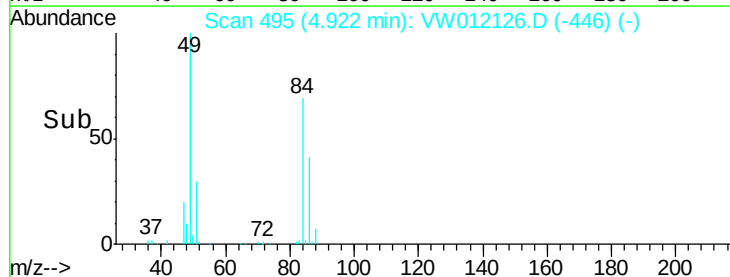
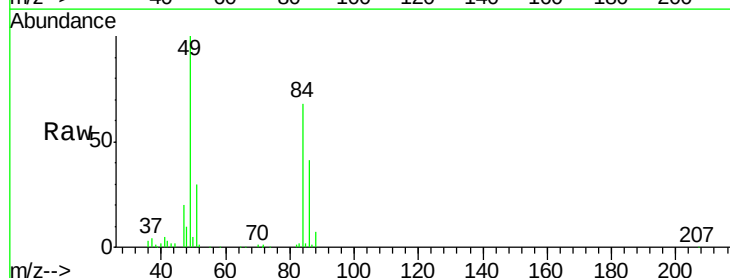
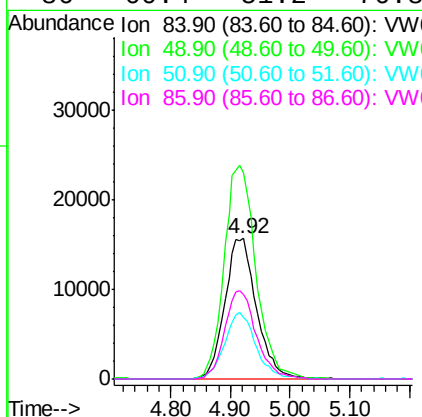
MMDadoda
 8/26/2019 11:39:01 AM

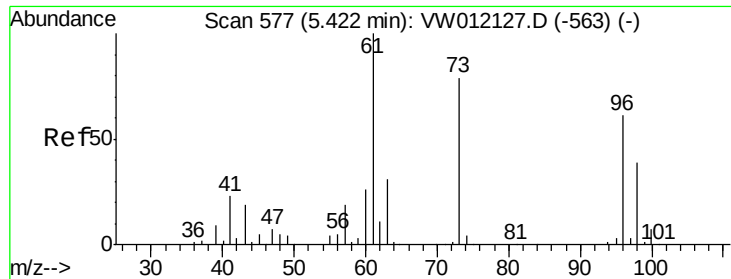


#20

Methylene Chloride
 Concen: 18.961 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.7	117.8	176.8
51	43.7	35.6	53.4
86	60.4	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 18.900 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

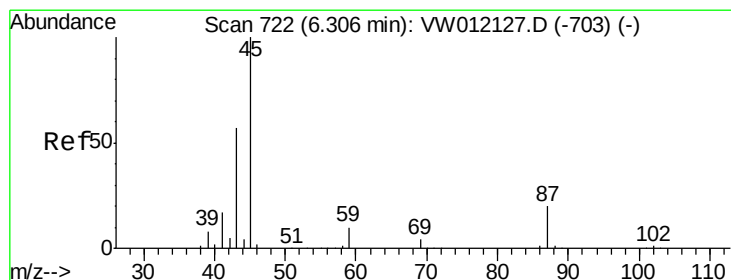
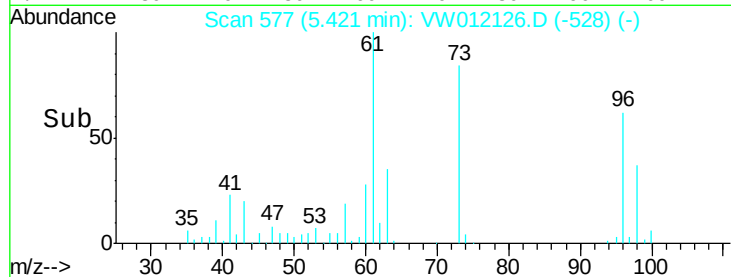
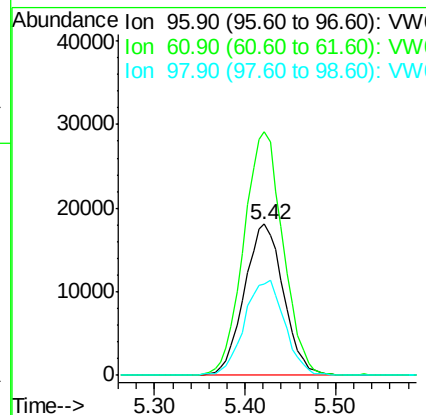
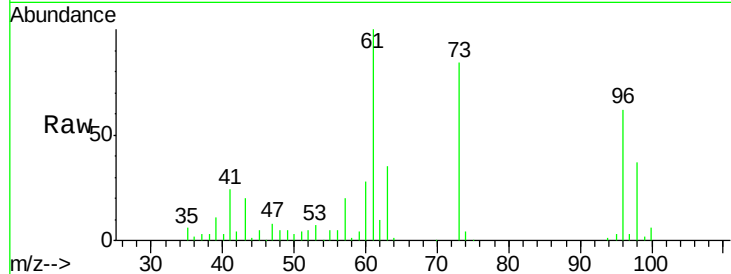
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	54187
Ion	Ratio	Lower	Upper
96	100		
61	161.2	131.4	197.0
98	60.2	51.4	77.0

Manual Integrations
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8/26/2019 11:39:01 AM



#22

Diisopropyl ether

Concen: 19.809 ug/l

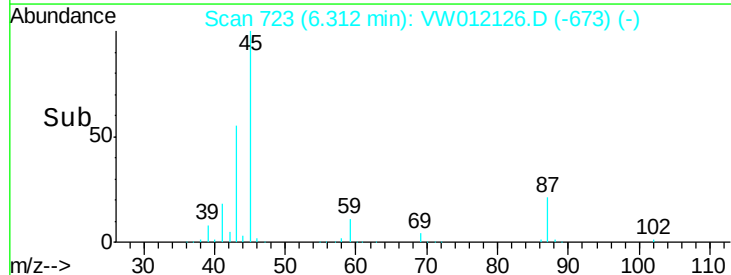
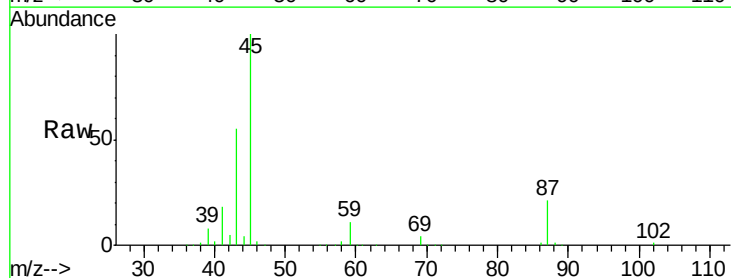
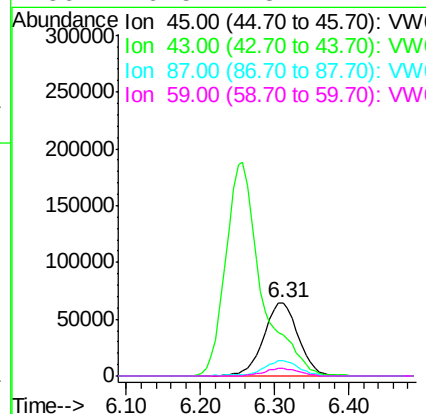
RT: 6.31 min Scan# 723

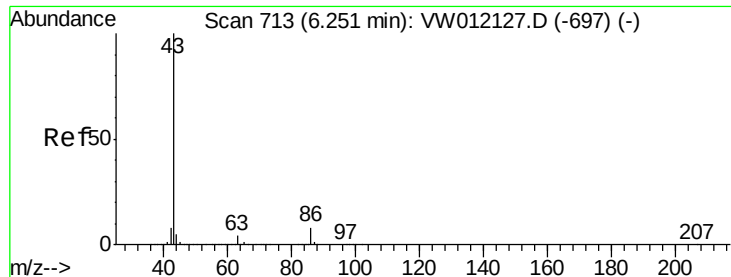
Delta R.T. 0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion:	45	Resp:	209879
Ion	Ratio	Lower	Upper
45	100		
43	54.7	45.5	68.3
87	20.5	16.1	24.1
59	10.5	8.2	12.2





#23

Vinyl Acetate

Concen: 96.044 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 626236

Ion Ratio Lower Upper

43 100

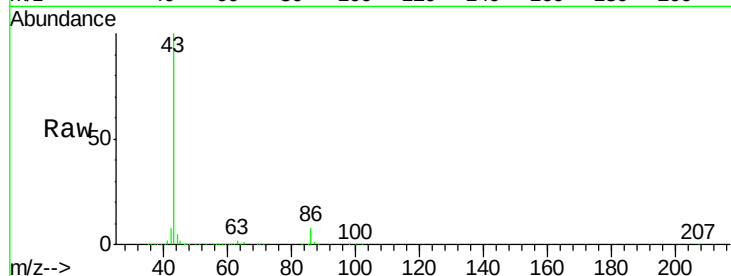
86 7.6 6.5 9.7

Manual Integrations

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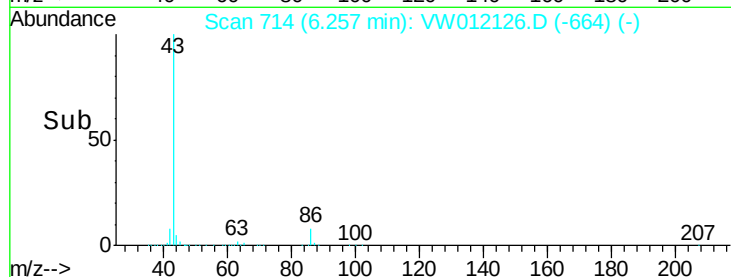
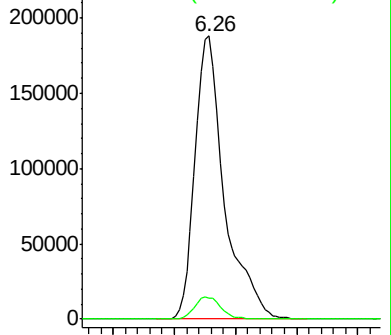
MMDadoda

8/26/2019 11:39:01 AM

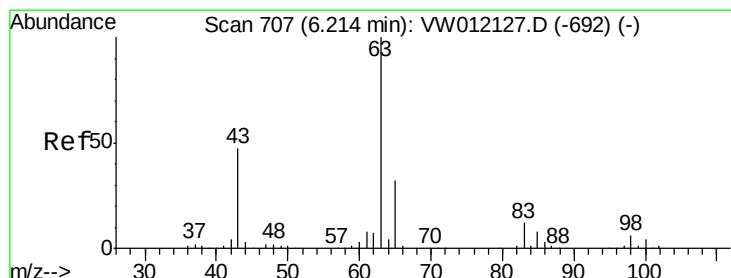


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 19.343 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

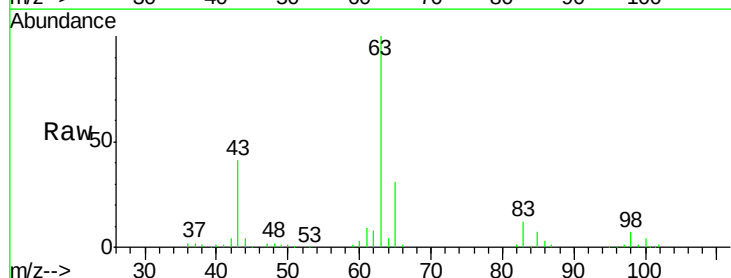
Tgt Ion: 63 Resp: 111584

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

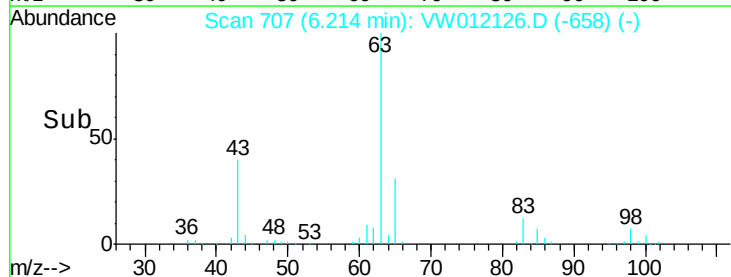
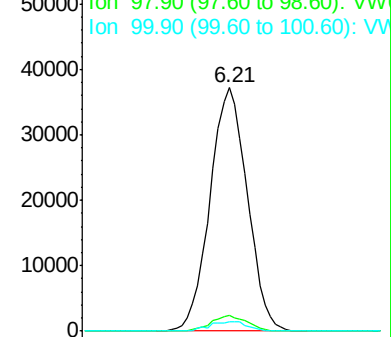
100 4.1 2.0 6.0



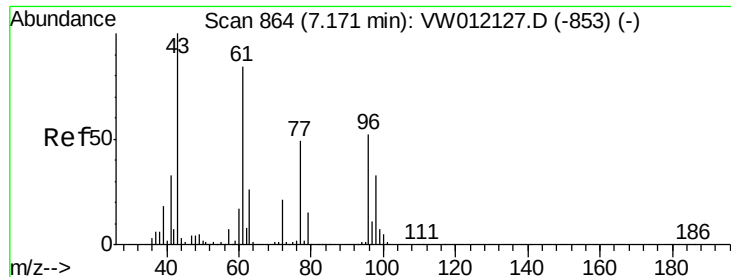
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->



#25

2-Butanone

Concen: 93.327 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 102722

Ion Ratio Lower Upper

43 100

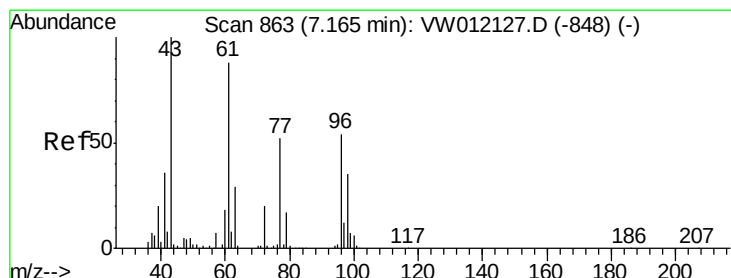
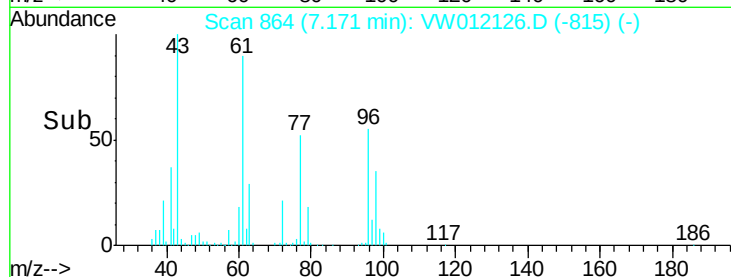
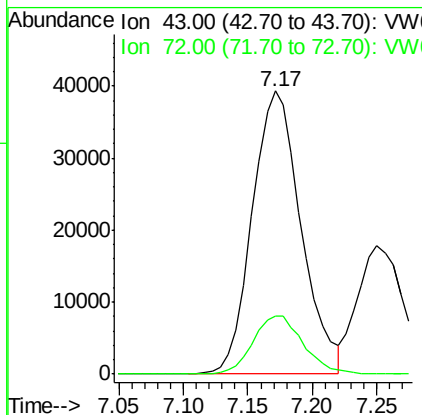
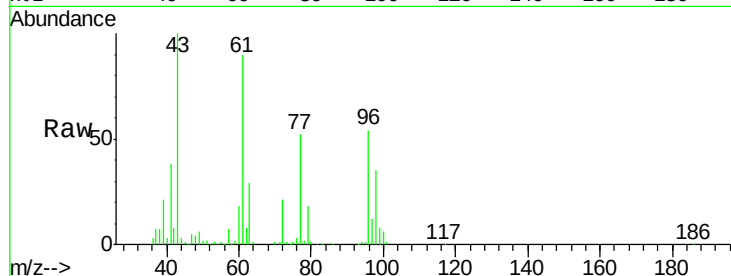
72 20.7 16.6 24.8

Manual Integrations

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MMDadoda

8/26/2019 11:39:01 AM



#26

2,2-Dichloropropane

Concen: 19.209 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012126.D

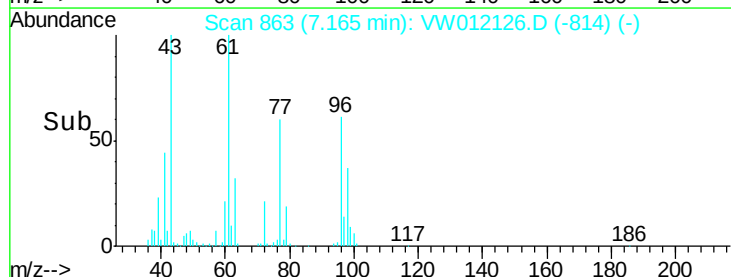
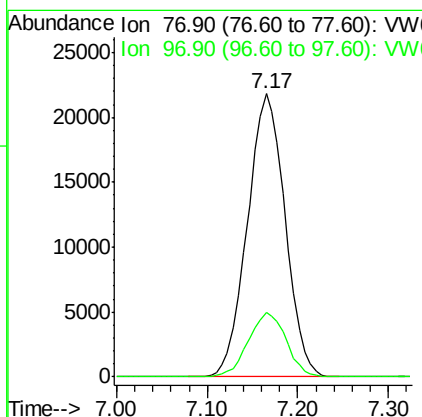
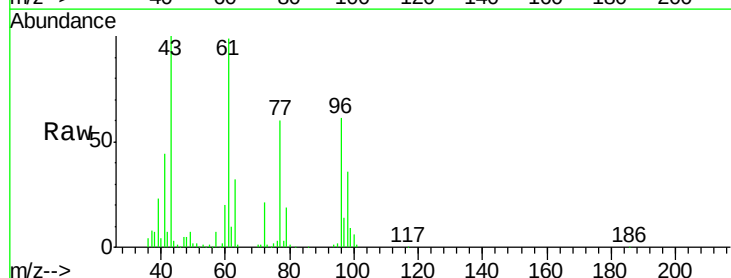
Acq: 23 Aug 2019 10:37

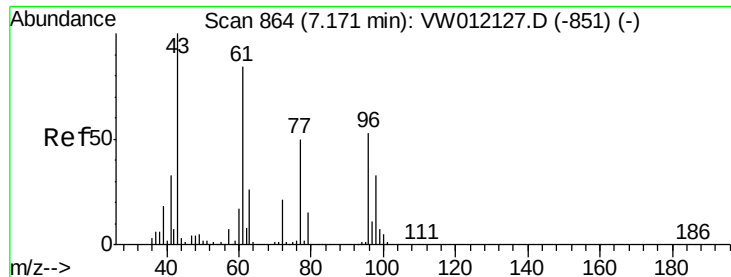
Tgt Ion: 77 Resp: 62722

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.1





#27

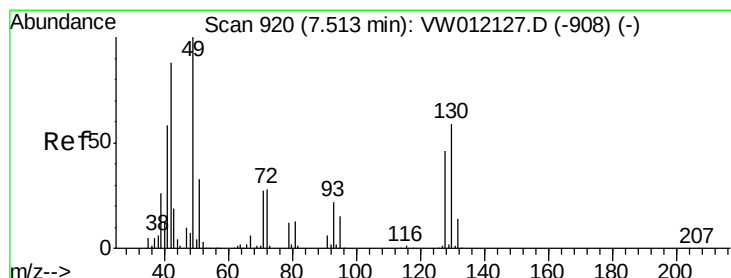
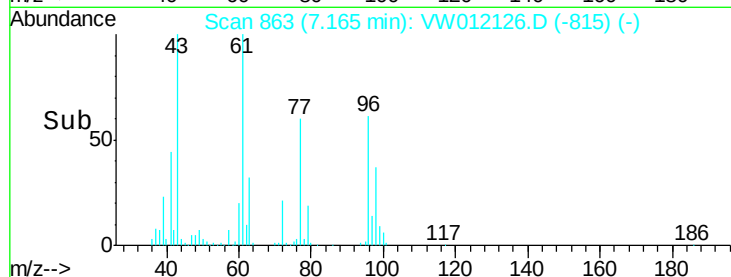
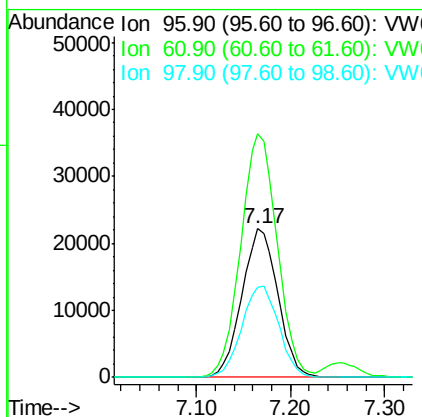
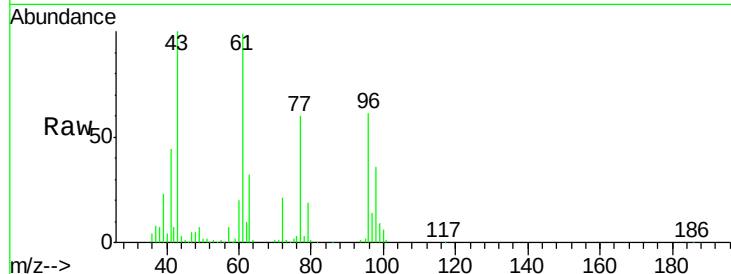
cis-1,2-Dichloroethene
Concen: 19.275 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.7	0.0	326.6
98	63.1	0.0	127.4

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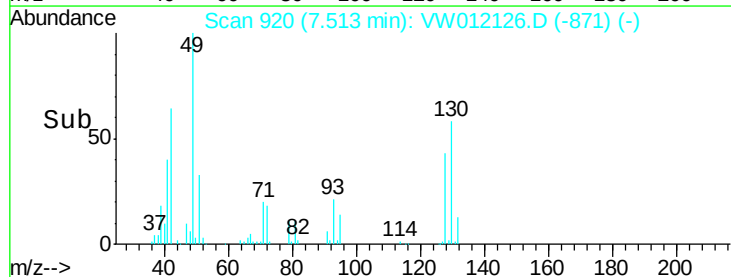
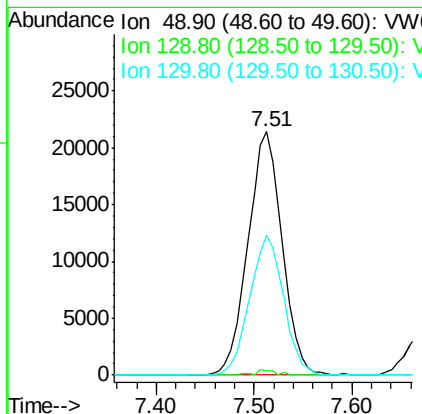
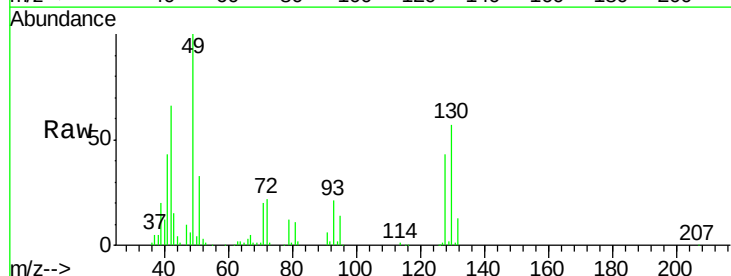
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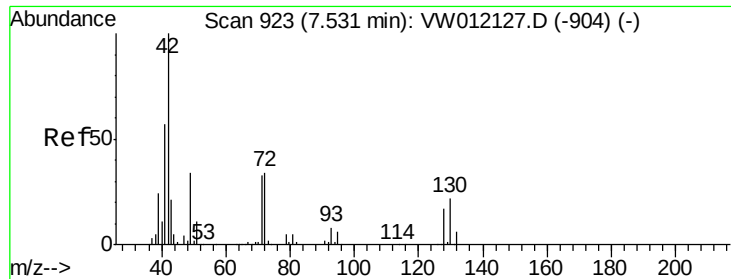


#28

Bromochloromethane
Concen: 20.740 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4
130	57.0	45.5	68.3





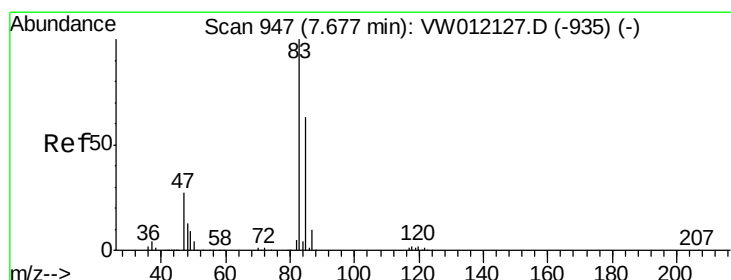
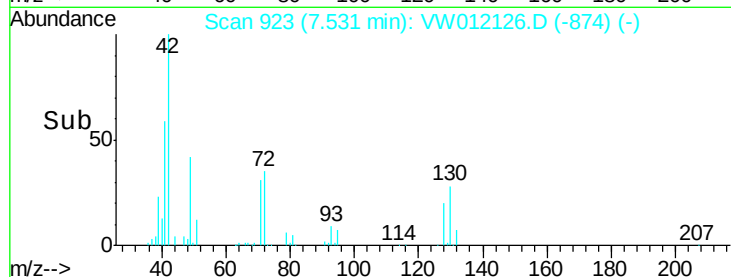
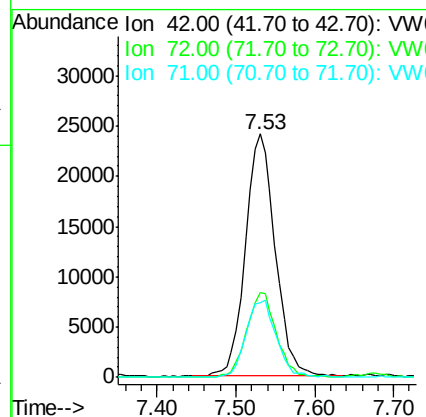
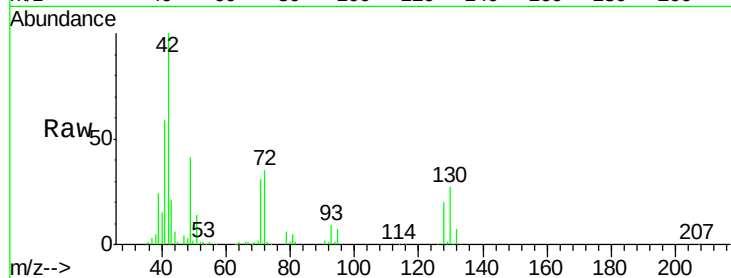
#29
Tetrahydrofuran
Concen: 96.054 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	27.3	40.9
71	32.4	25.5	38.3

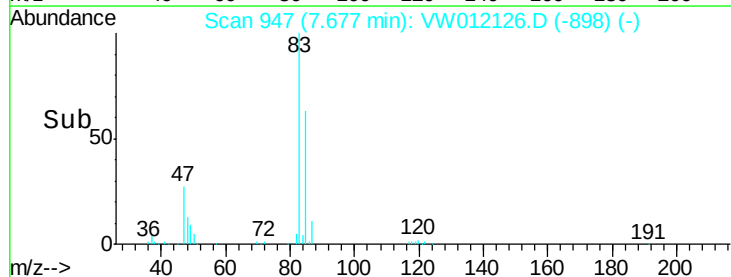
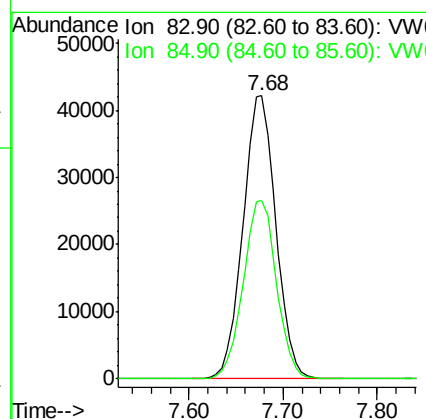
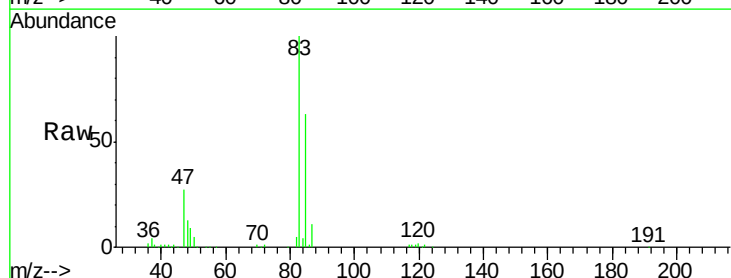
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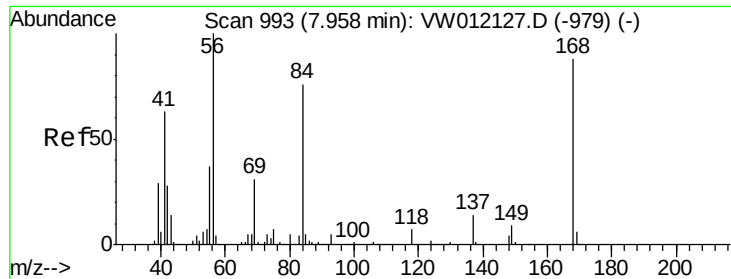
MMDadoda
8/26/2019 11:39:01 AM



#30
Chloroform
Concen: 19.477 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.6	76.0





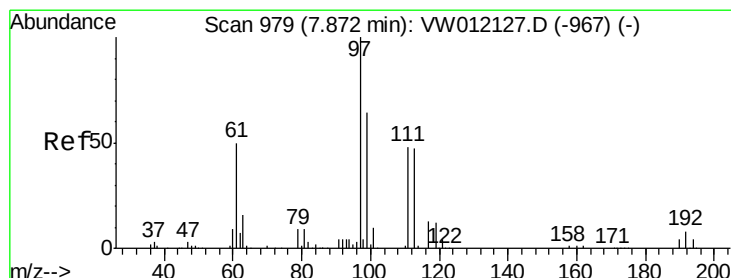
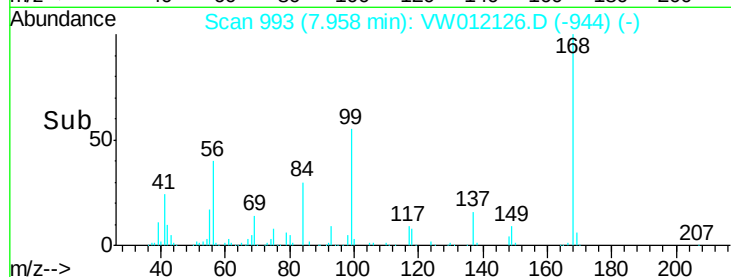
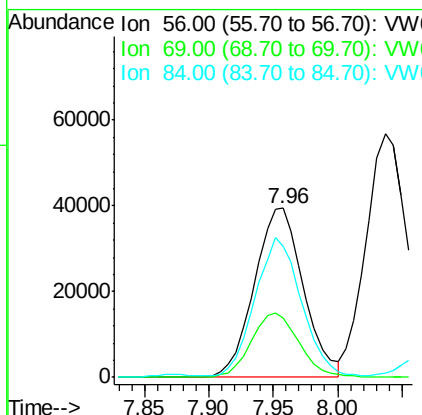
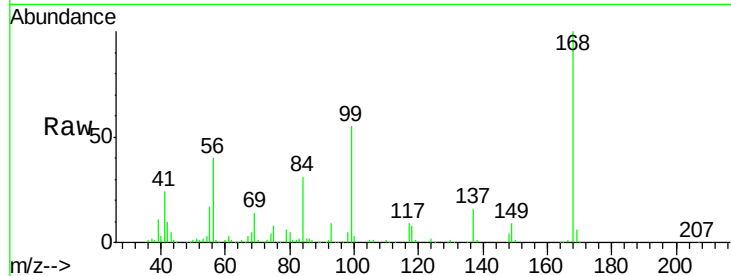
#31
Cyclohexane
Concen: 18.271 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
56	100	104283		
69	34.7		24.9	37.3
84	76.5		60.6	90.8

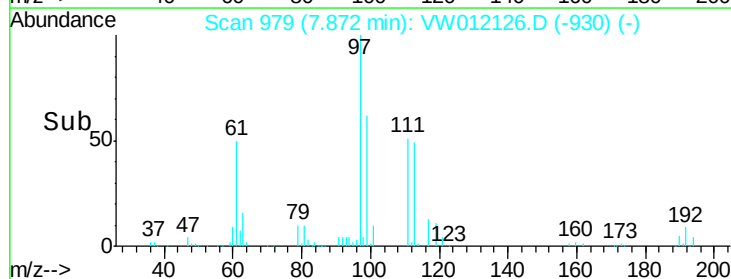
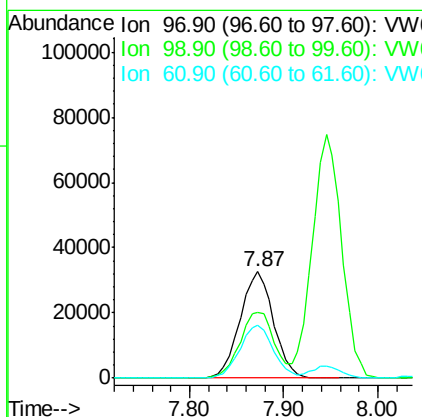
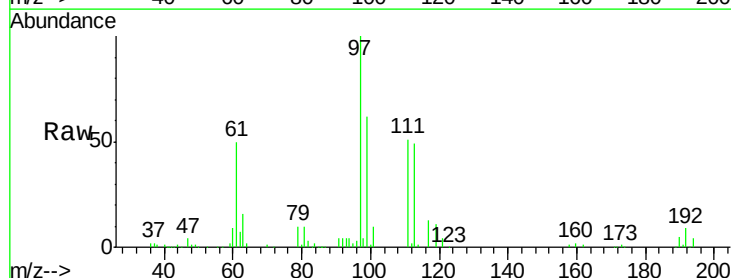
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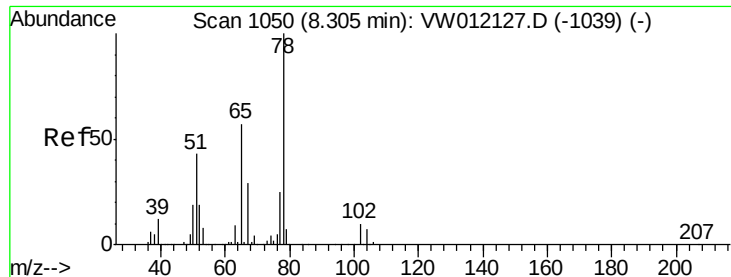
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#32
1,1,1-Trichloroethane
Concen: 19.360 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	80833		
99	65.4		51.4	77.0
61	50.3		39.5	59.3





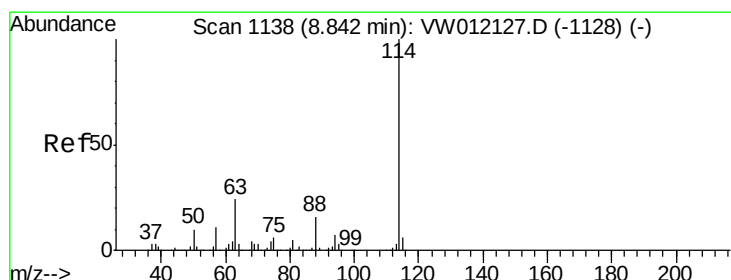
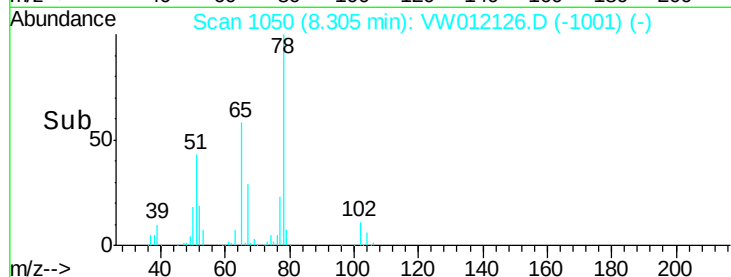
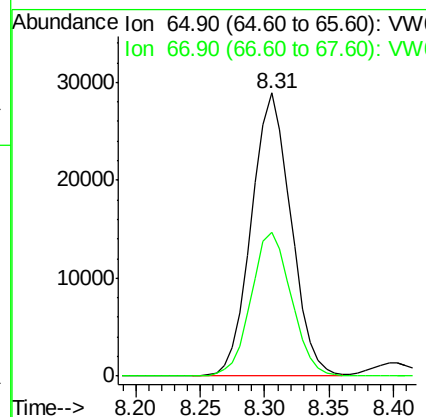
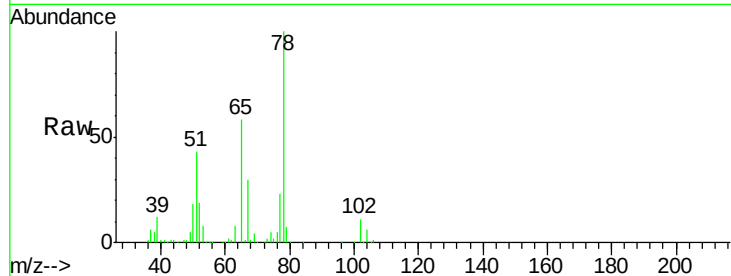
#33
 1,2-Dichloroethane-d4
 Concen: 19.429 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	61563		
67	51.5	0.0	102.6	

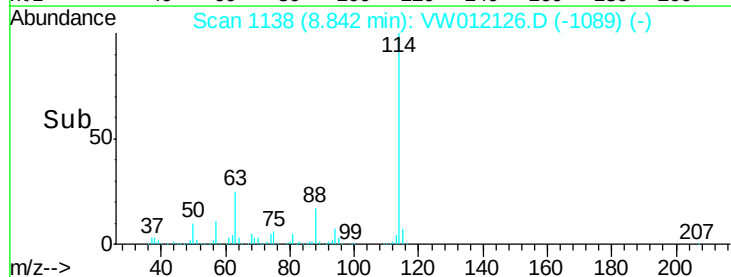
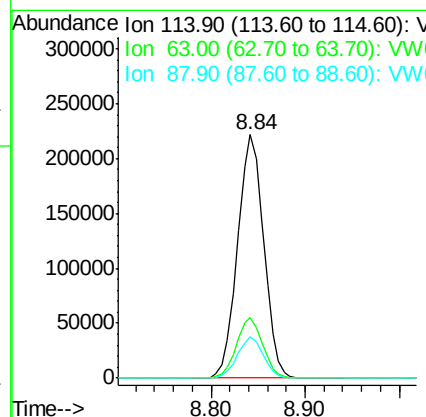
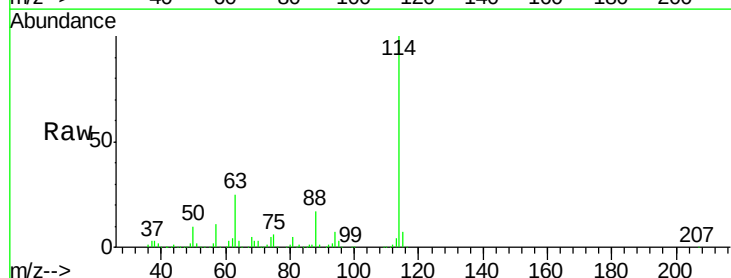
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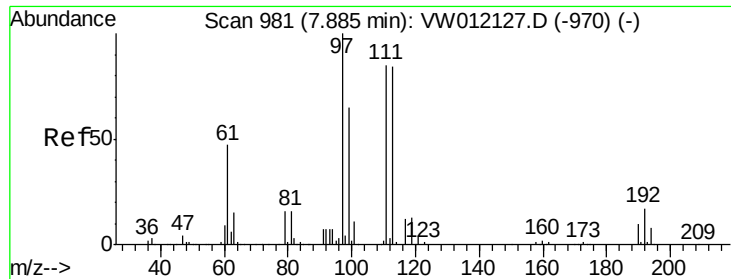
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	428874		
63	24.6	0.0	48.6	
88	16.7	0.0	32.2	





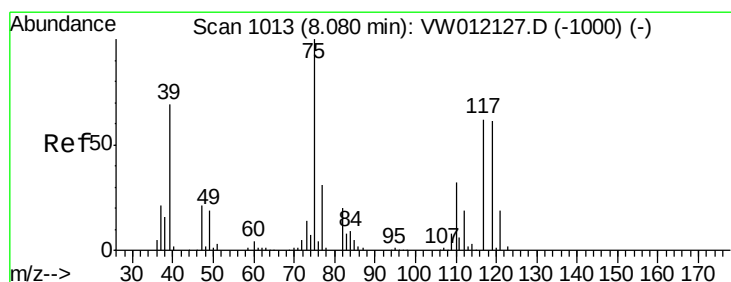
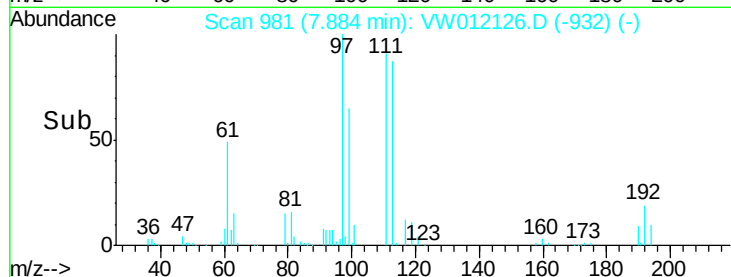
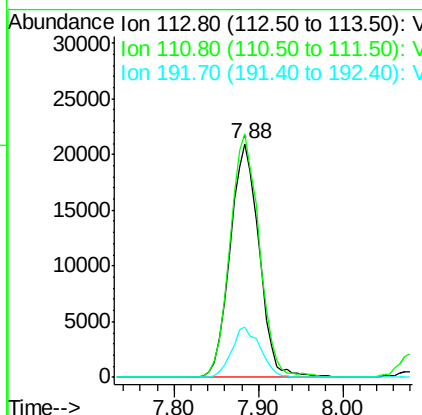
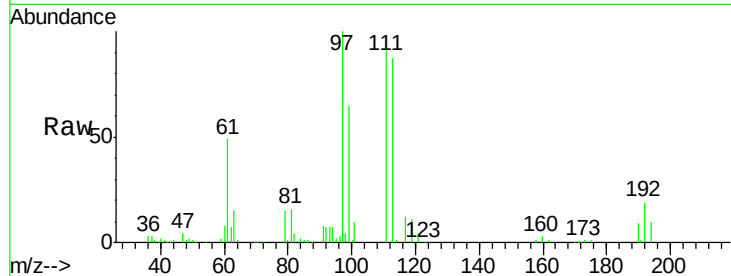
#35
Dibromofluoromethane
Concen: 19.074 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	48828		
111	104.2	82.7	124.1	
192	21.2	16.2	24.2	

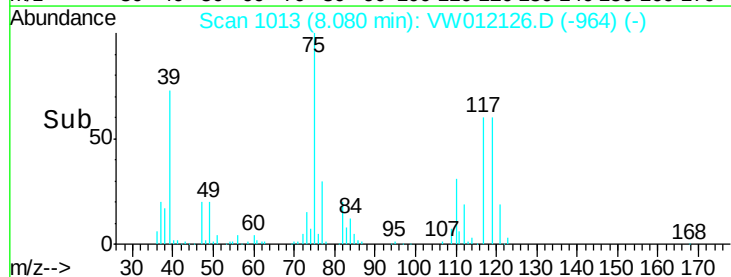
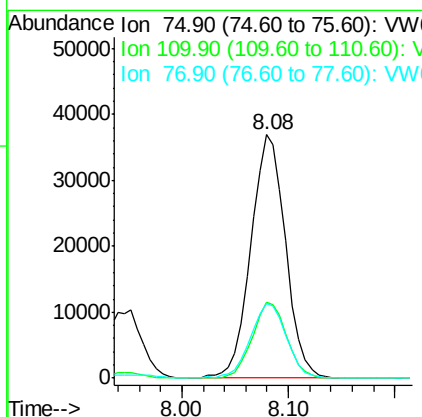
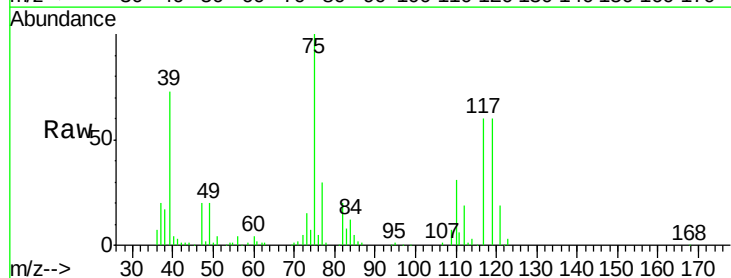
Manual Integrations
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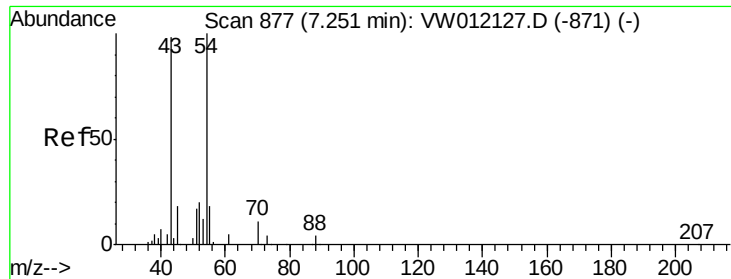
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#36
1,1-Dichloropropene
Concen: 18.988 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84154		
110	30.8	15.6	46.8	
77	31.6	24.6	36.8	





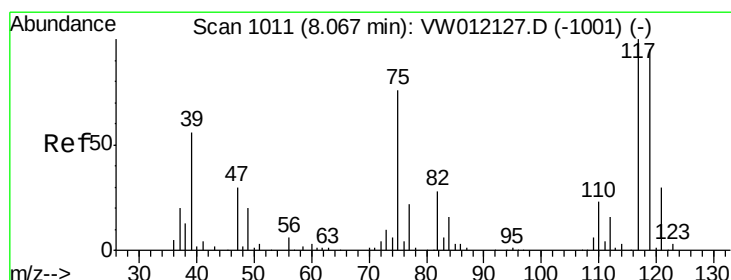
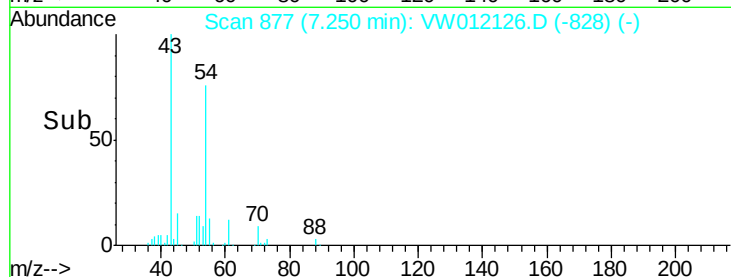
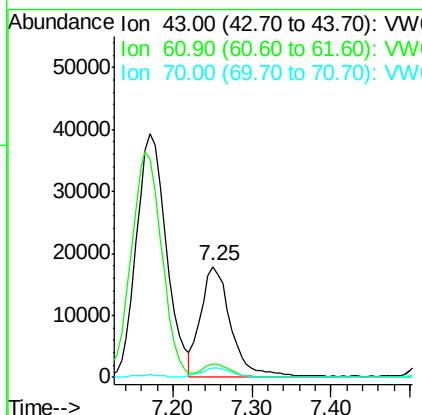
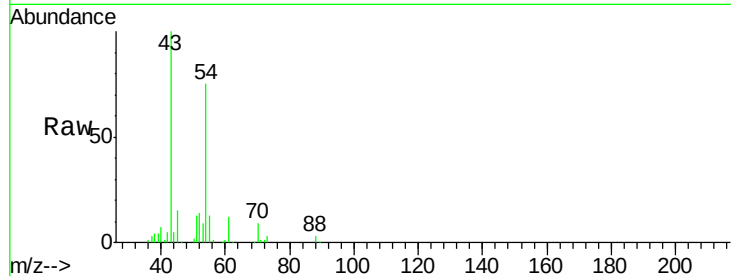
#37
Ethyl Acetate
Concen: 19.281 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.2	13.8
70	8.9	6.9	10.3

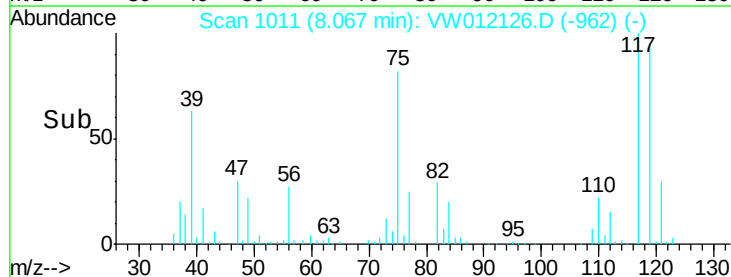
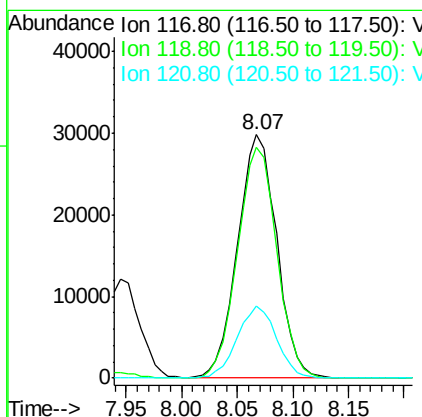
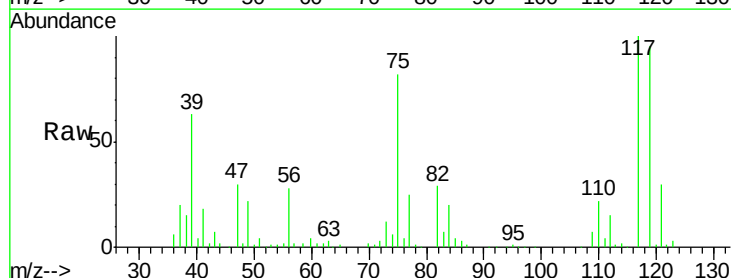
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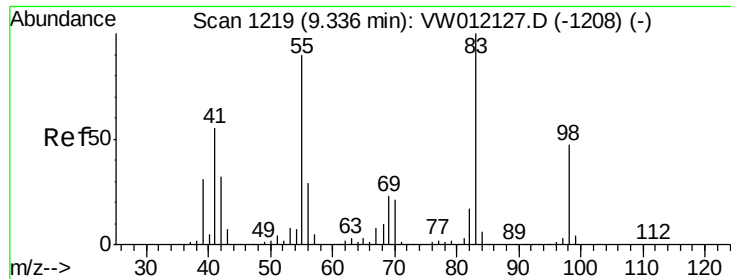
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#38
Carbon Tetrachloride
Concen: 19.009 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.2	114.2
121	29.8	23.8	35.8





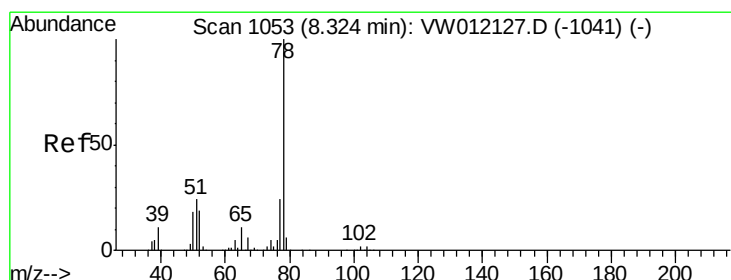
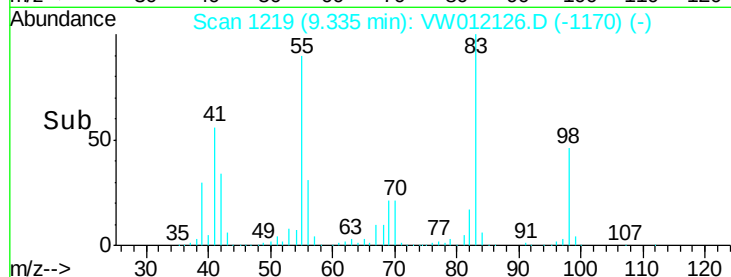
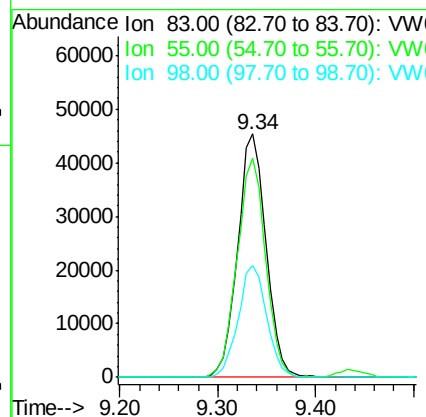
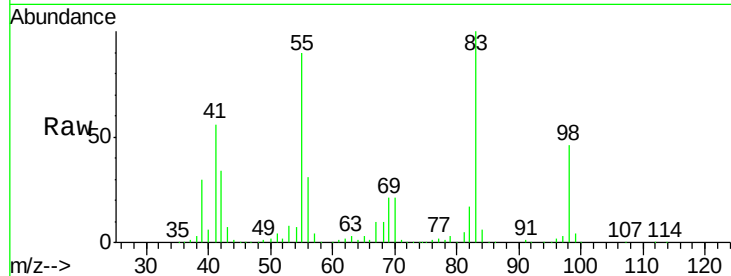
#39
Methylvlcyclohexane
Concen: 18.353 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	91377
Ion Ratio	100	Lower	Upper
83	100		
55	89.9	71.8	107.8
98	46.0	37.8	56.8

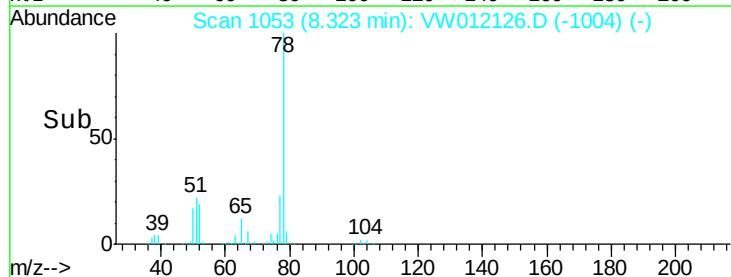
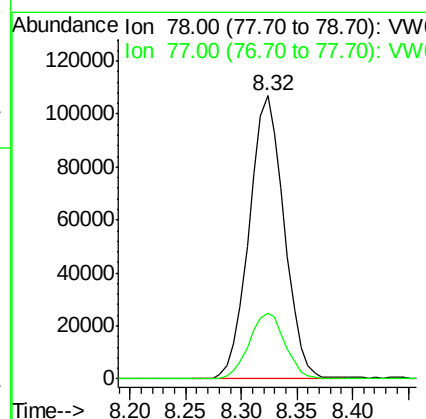
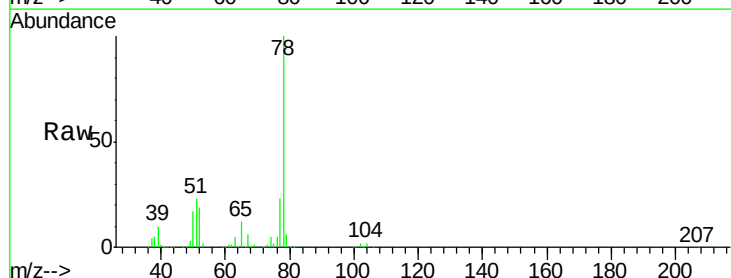
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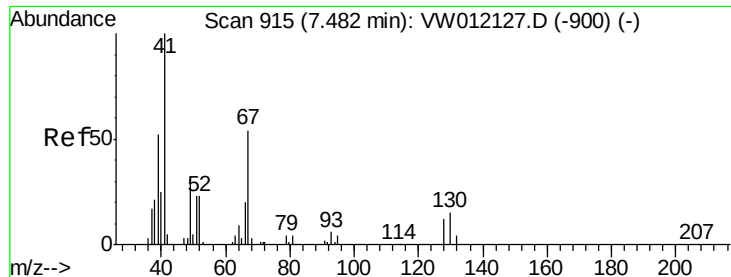
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#40
Benzene
Concen: 19.320 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	78	Resp	233802
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	19.5	29.3





#41

Methacrylonitrile

Concen: 20.460 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

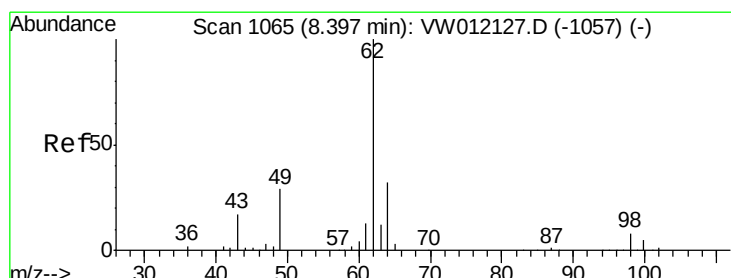
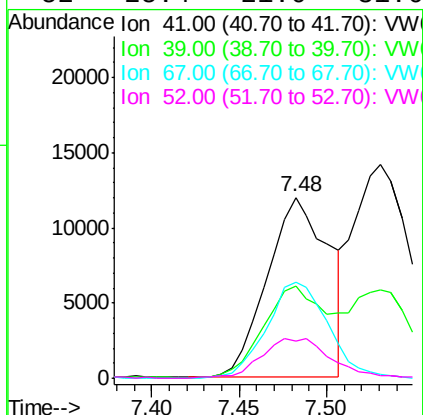
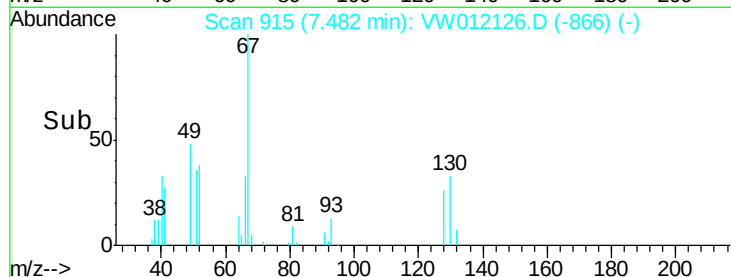
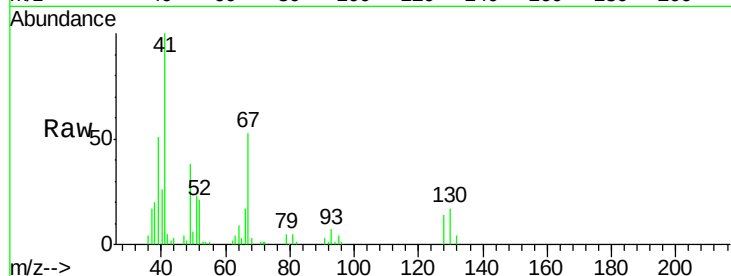
ClientSampleId :

VSTDIC020

Tot Ion	41	Resp	29204
Ion	Ratio	Lower	Upper
41	100		
39	48.6	45.8	68.8
67	53.9	46.2	69.4
52	25.4	21.0	31.6

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#42

1,2-Dichloroethane

Concen: 19.549 ug/l

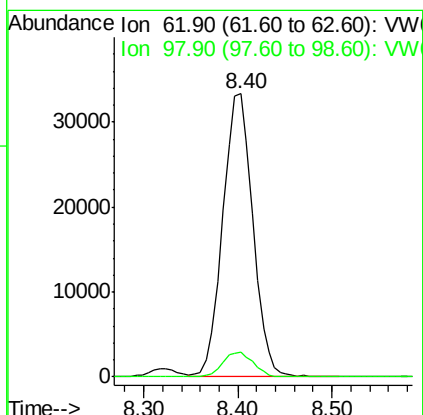
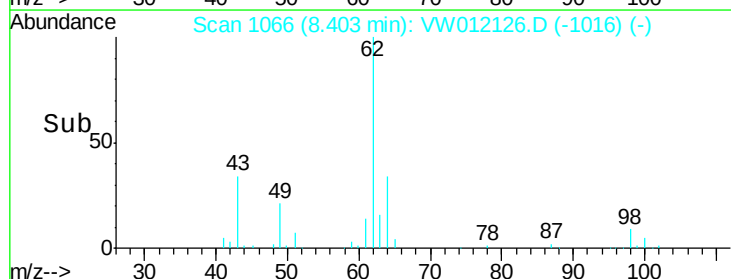
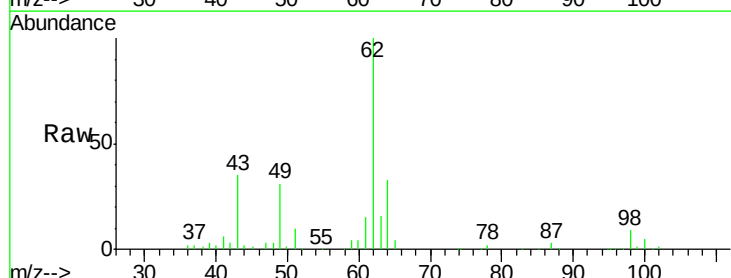
RT: 8.40 min Scan# 1066

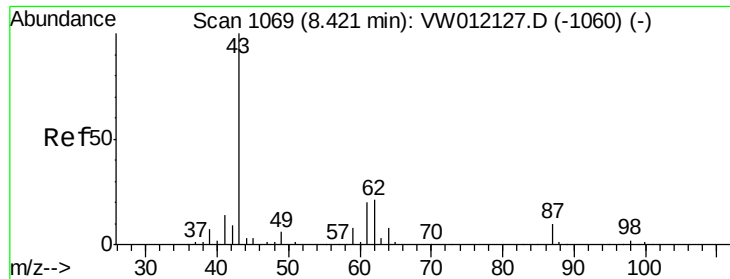
Delta R.T. 0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion	62	Resp	74143
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.6





#43

Isopropyl Acetate

Concen: 18.896 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

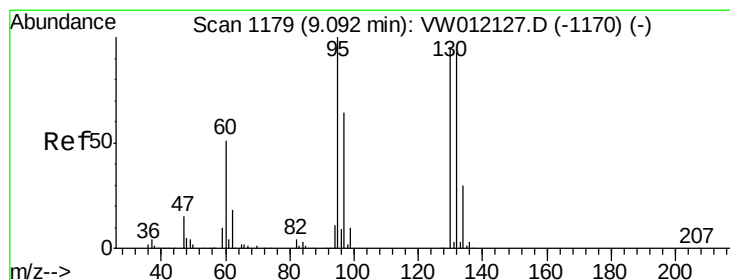
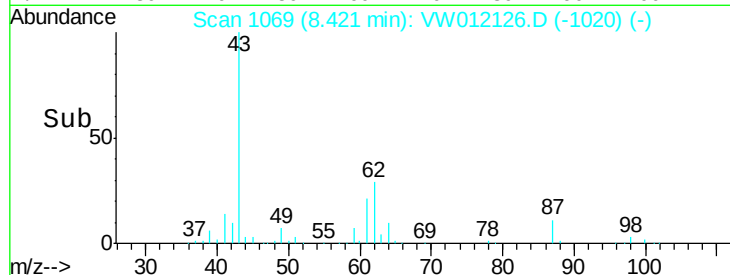
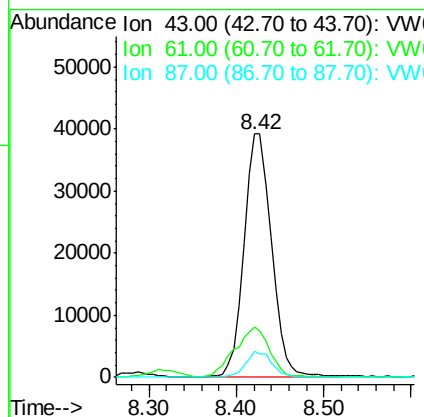
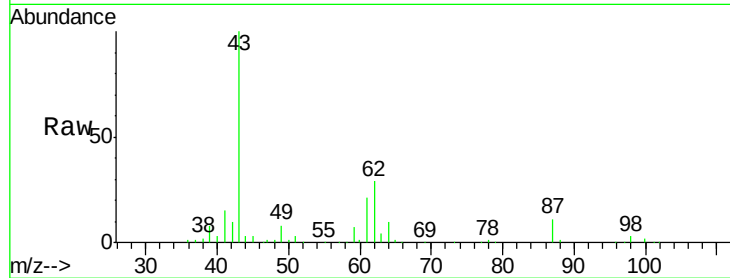
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	85003
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.1	31.7
87	10.1	8.2	12.2

Manual Integrations
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8/26/2019 11:39:01 AM



#44

Trichloroethene

Concen: 19.078 ug/l

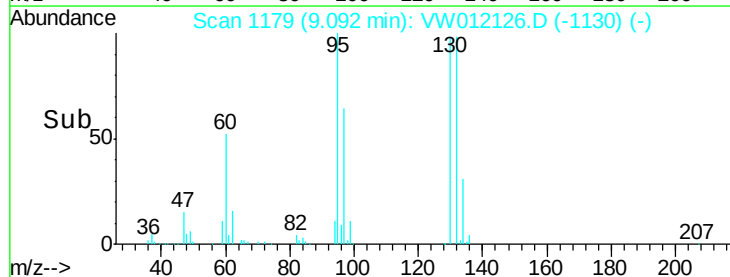
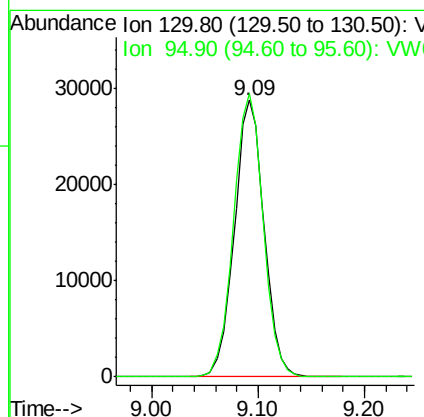
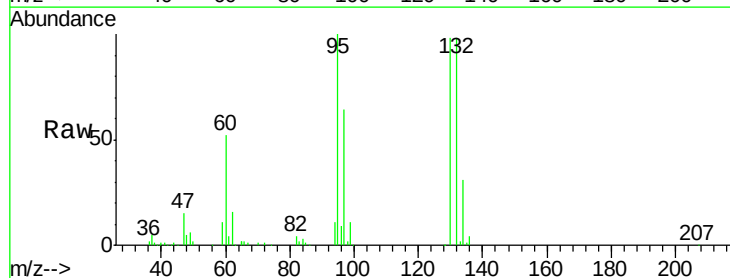
RT: 9.09 min Scan# 1179

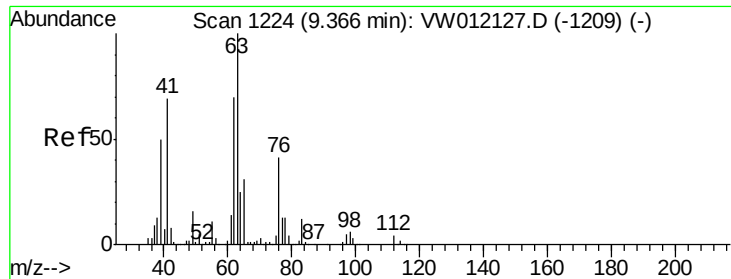
Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion:	130	Resp:	56126
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.6





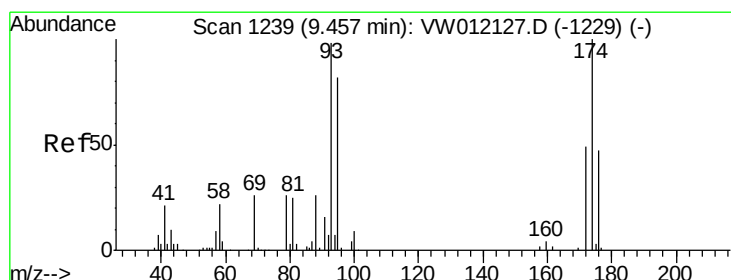
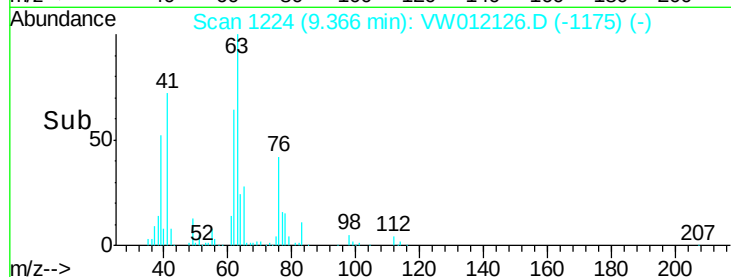
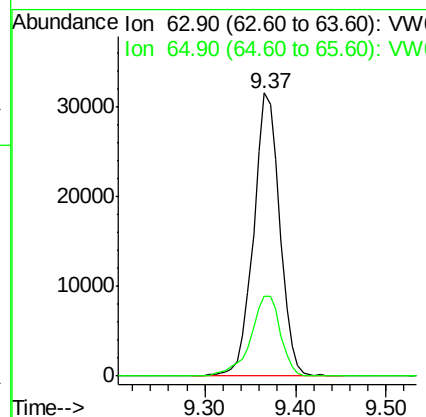
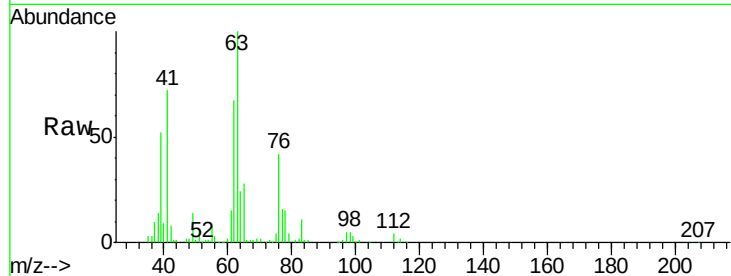
#45
 1,2-Dichloropropane
 Concen: 19.360 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 63055
 Ion Ratio Lower Upper
 63 100
 65 28.3 25.0 37.4

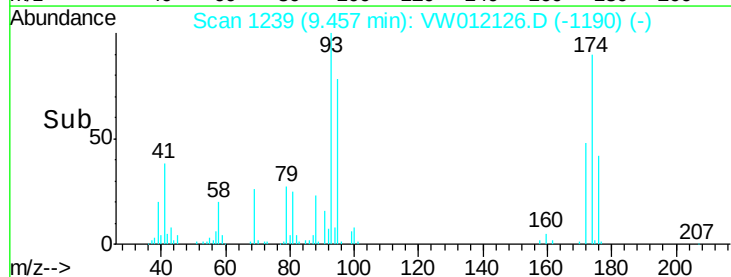
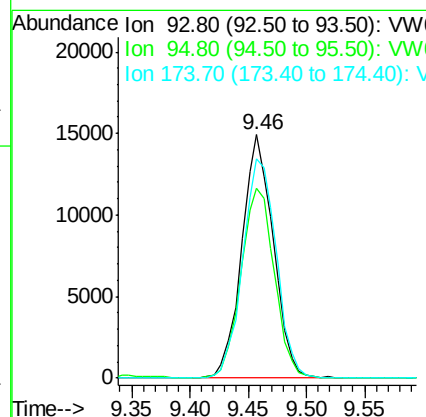
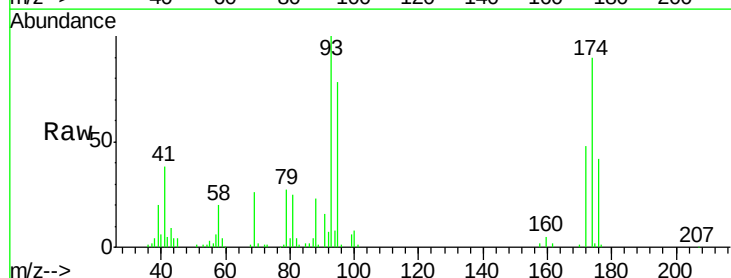
Manual Integrations
 APPROVED

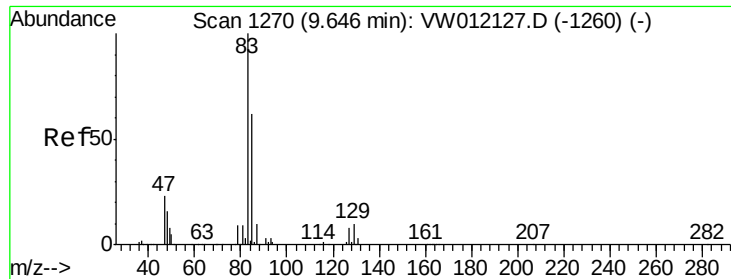
MMDadoda
 8/26/2019 11:39:01 AM



#46
 Dibromomethane
 Concen: 19.468 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 93 Resp: 28211
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 95.9 79.0 118.6





#47

Bromodichloromethane

Concen: 19.180 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

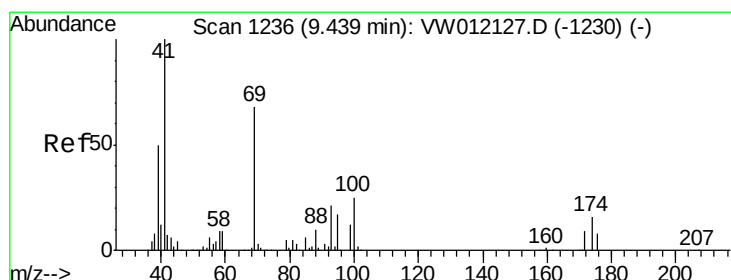
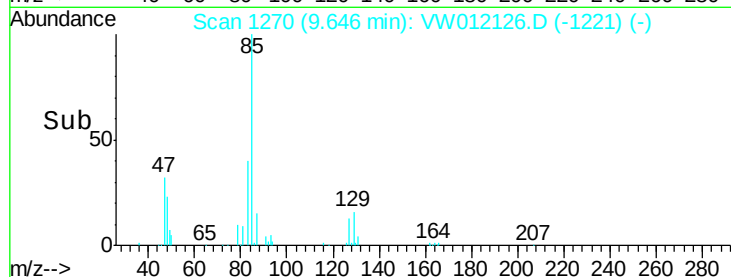
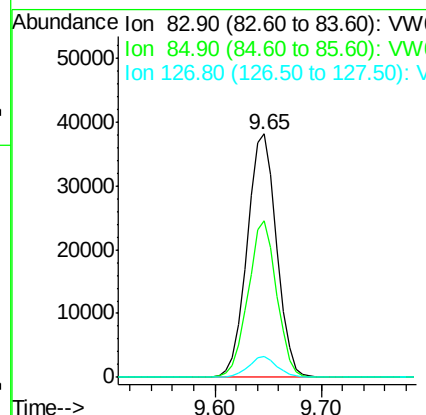
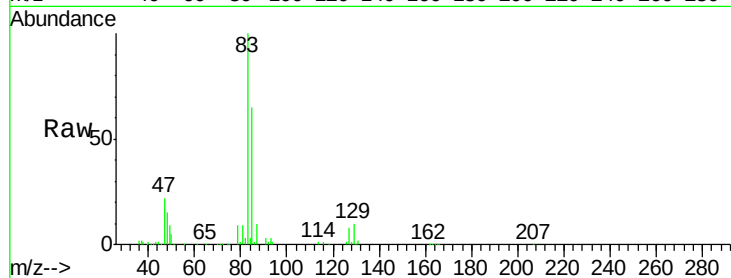
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	73970
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.2
127	8.4	6.1	9.1

Manual Integrations
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8/26/2019 11:39:01 AM



#48

Methyl methacrylate

Concen: 18.907 ug/l

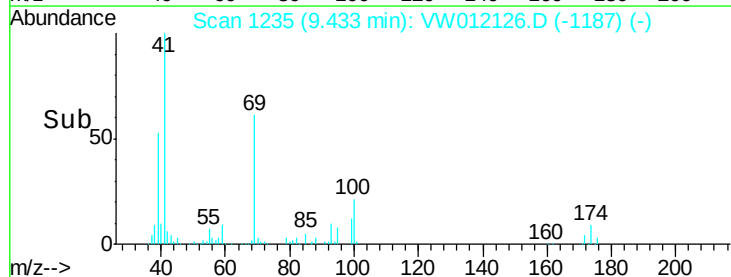
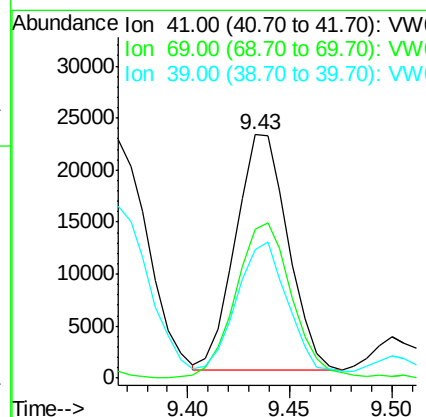
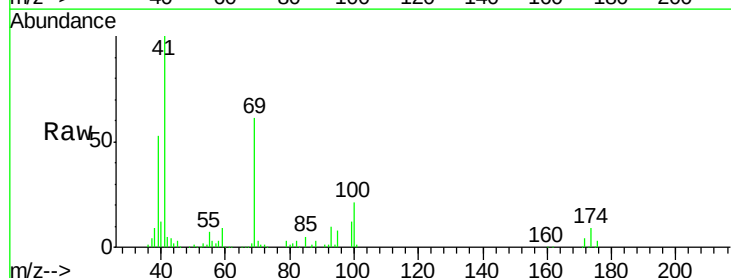
RT: 9.43 min Scan# 1235

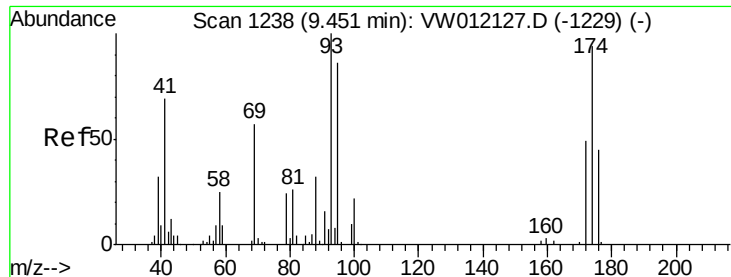
Delta R.T. -0.01 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion:	41	Resp:	40481
Ion	Ratio	Lower	Upper
41	100		
69	69.8	56.7	85.1
39	58.4	42.0	63.0





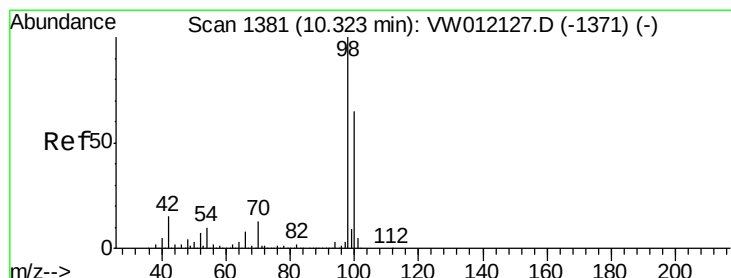
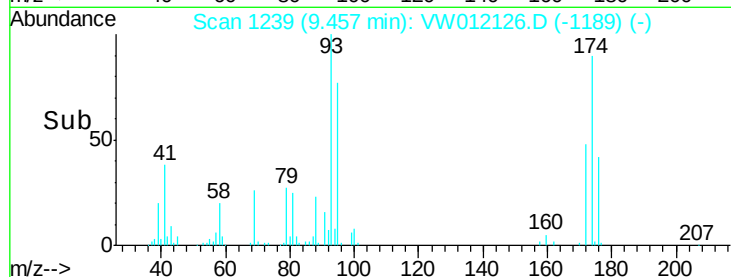
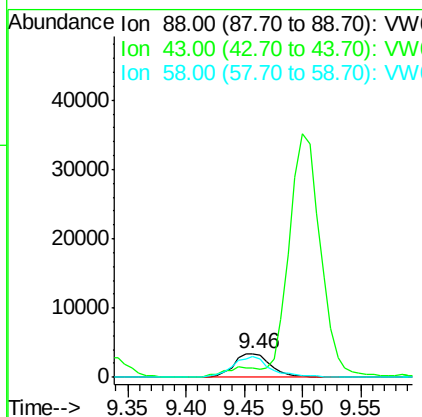
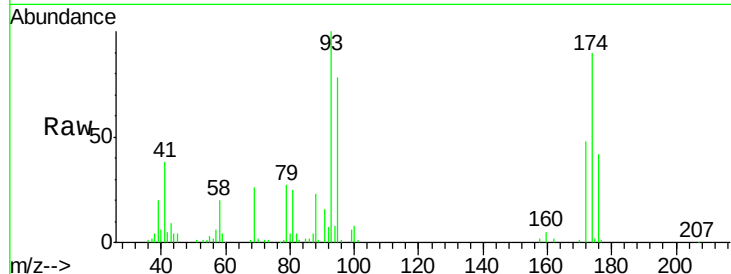
#49
 1,4-Dioxane
 Concen: 350.792 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	88	Resp	7782
Ion	Ratio	Lower	Upper
88	100		
43	35.1	32.9	49.3
58	88.6	71.0	106.4

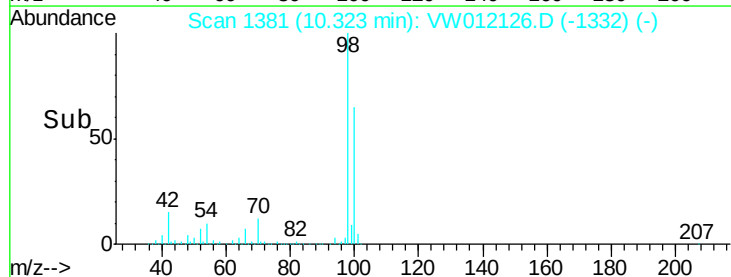
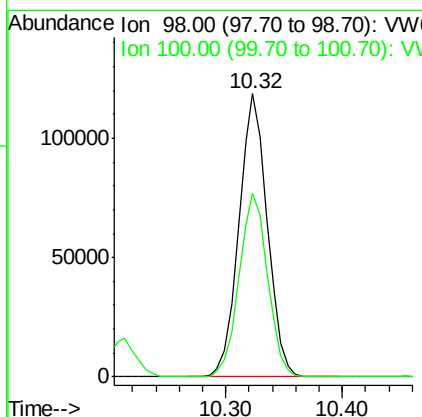
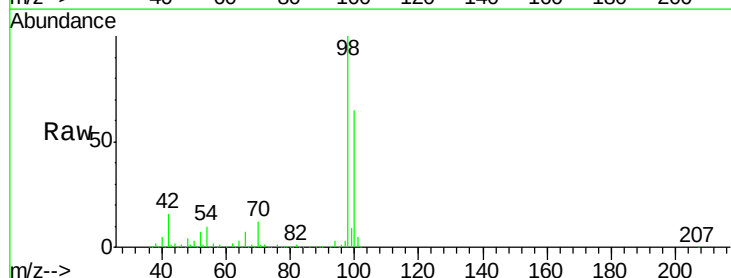
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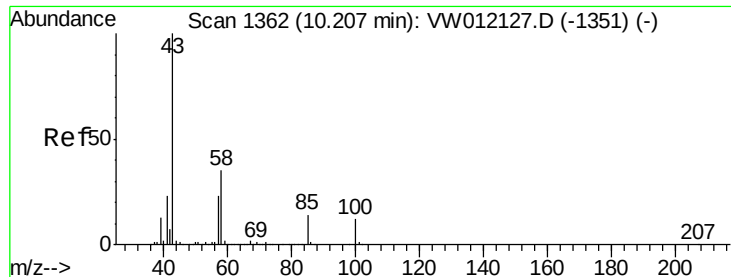
MMDadoda
 8/26/2019 11:39:01 AM



#50
 Toluene-d8
 Concen: 19.383 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	98	Resp	201196
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





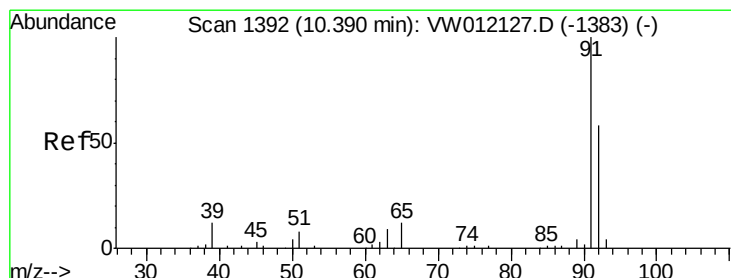
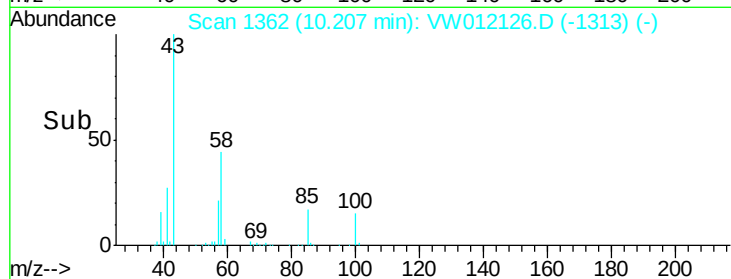
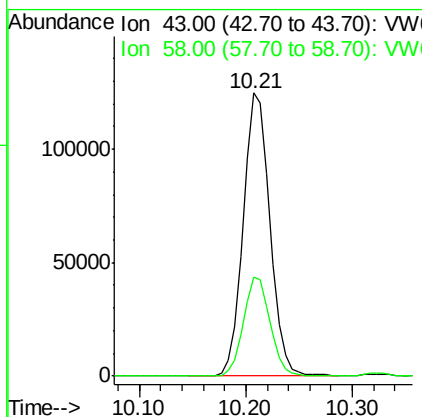
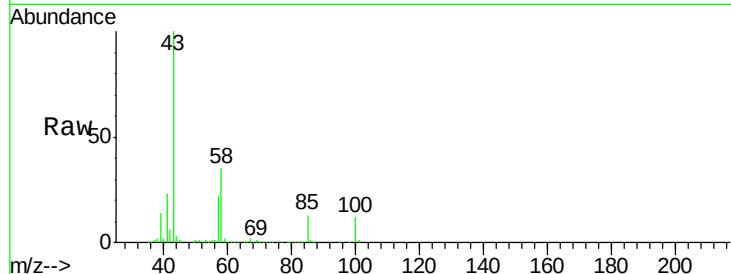
#51
 4-Methyl-2-Pentanone
 Concen: 96.334 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 43 Resp: 220424
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.2 42.2

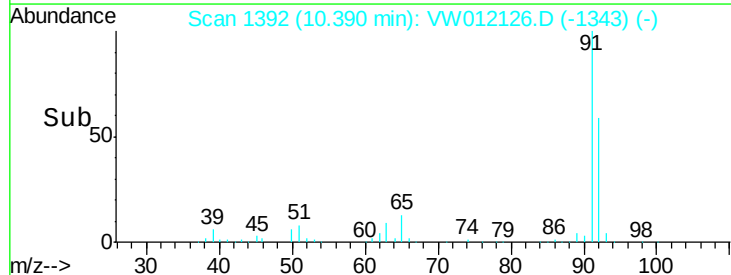
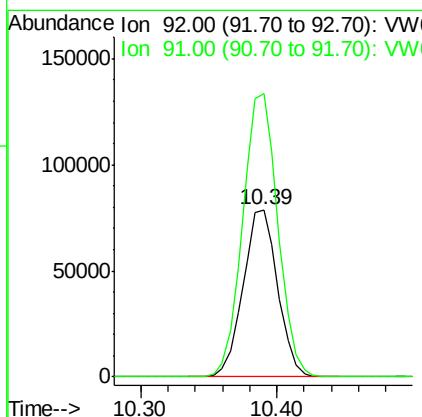
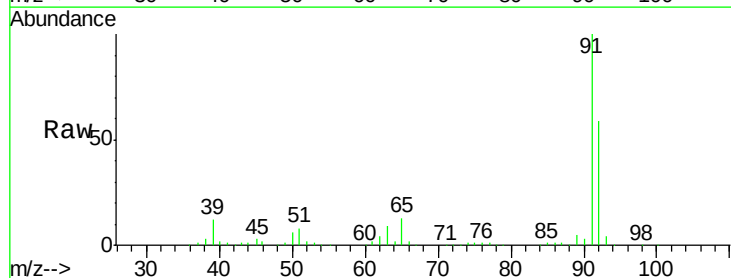
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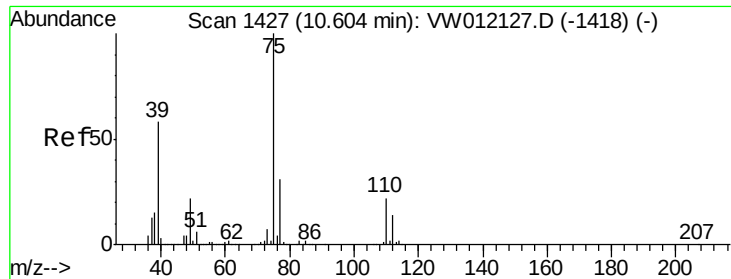
MMDadoda
 8/26/2019 11:39:01 AM



#52
 Toluene
 Concen: 19.244 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 92 Resp: 139905
 Ion Ratio Lower Upper
 92 100
 91 172.2 136.6 204.8





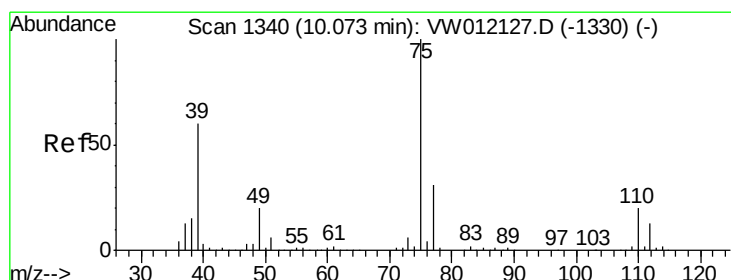
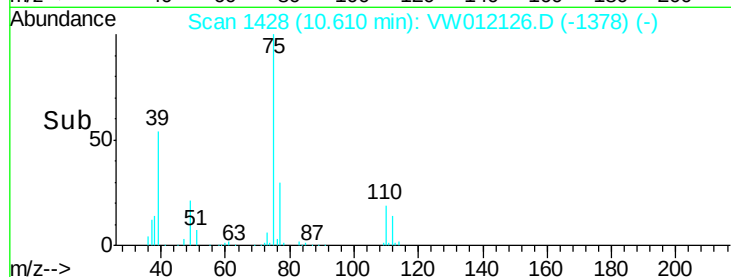
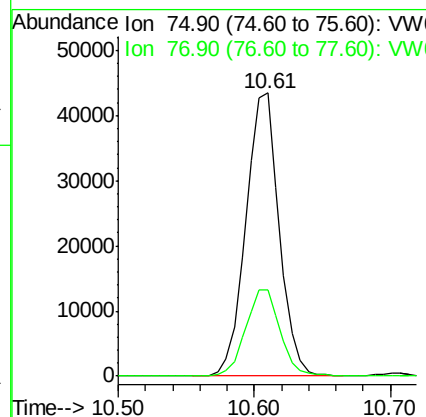
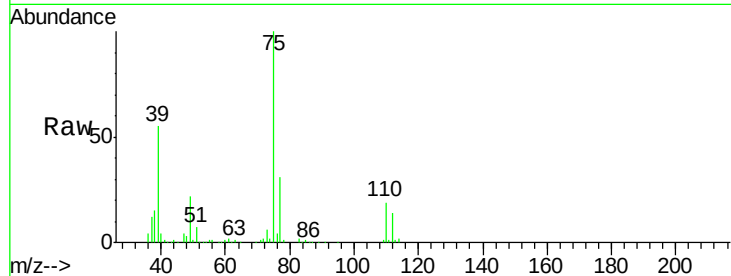
#53
t-1,3-Dichloropropene
Concen: 18.900 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 74247
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.4

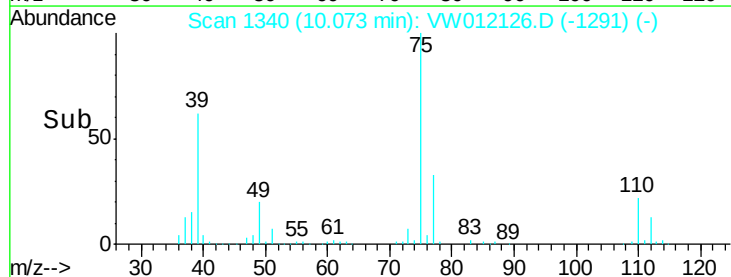
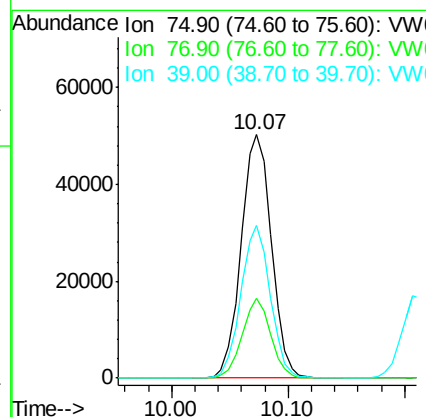
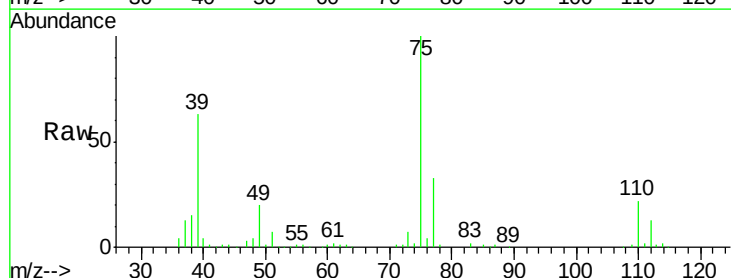
Manual Integrations
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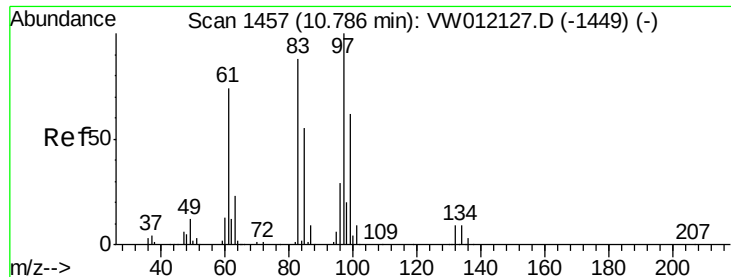
MMDadoda
8/26/2019 11:39:01 AM



#54
cis-1,3-Dichloropropene
Concen: 19.224 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion: 75 Resp: 91189
Ion Ratio Lower Upper
75 100
77 32.7 25.1 37.7
39 62.4 48.3 72.5





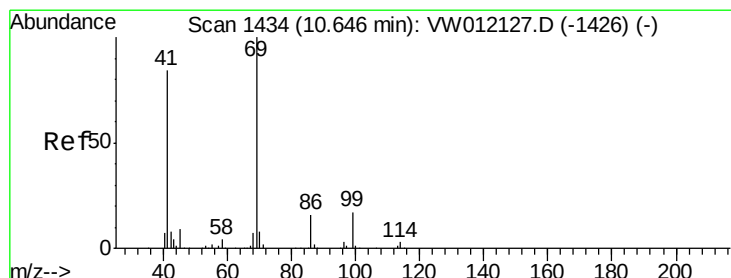
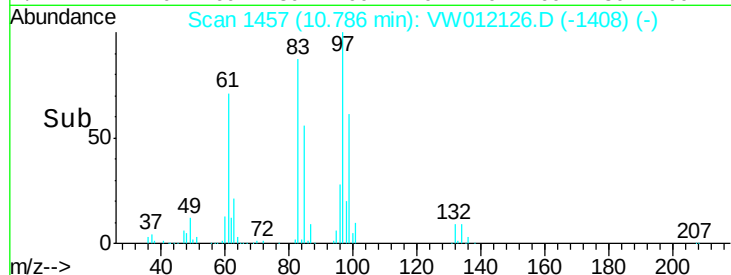
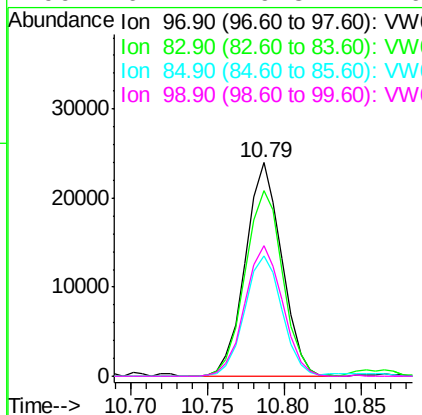
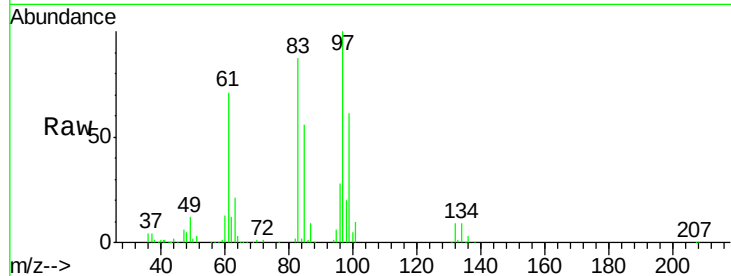
#55
 1,1,2-Trichloroethane
 Concen: 19.425 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	39827
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.8	106.2
85	56.4	43.8	65.8
99	61.1	49.8	74.6

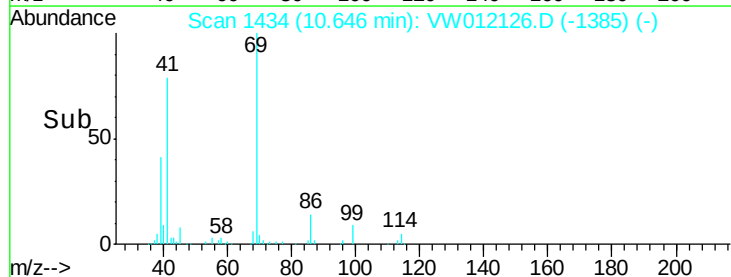
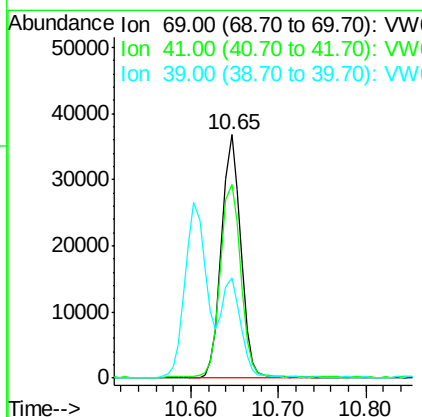
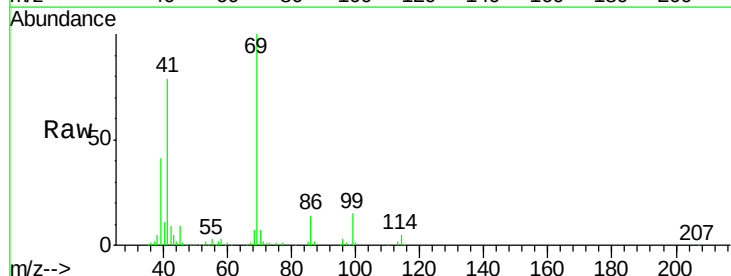
Manual Integrations
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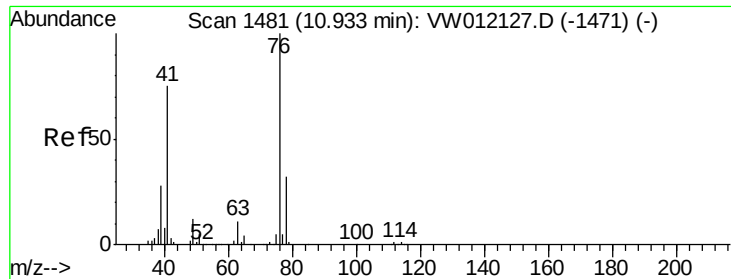
MMDadoda
 8/26/2019 11:39:01 AM



#56
 Ethyl methacrylate
 Concen: 19.013 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion:	69	Resp:	56736
Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.5	99.7
39	39.7	31.0	46.4





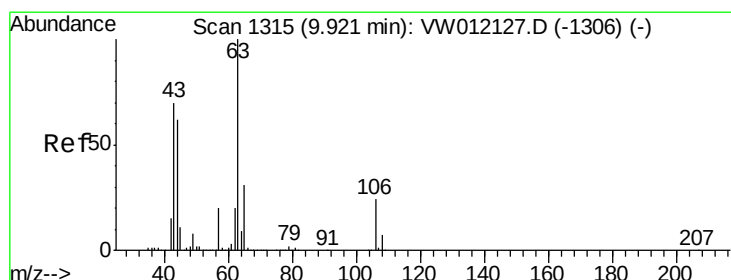
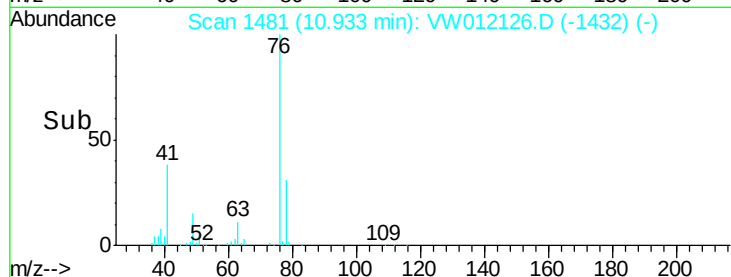
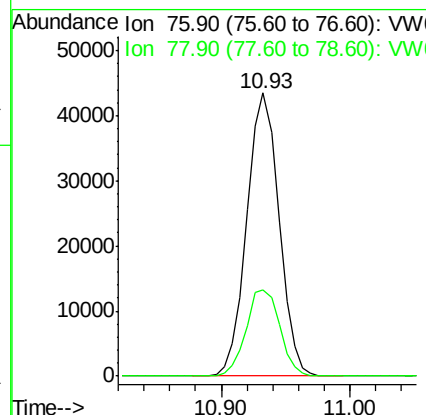
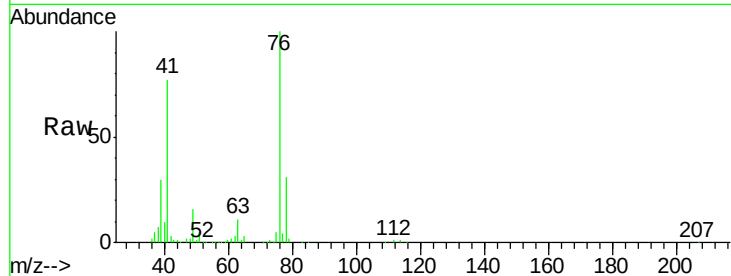
#57
 1,3-Dichloropropane
 Concen: 19.404 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 75179
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

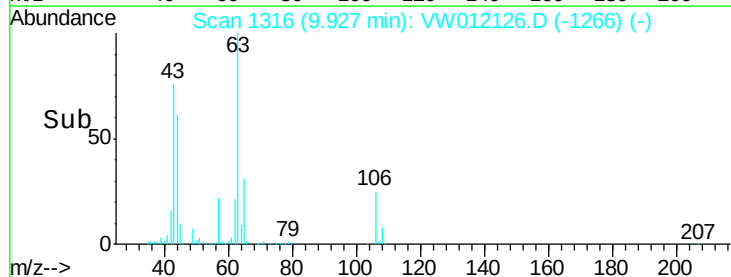
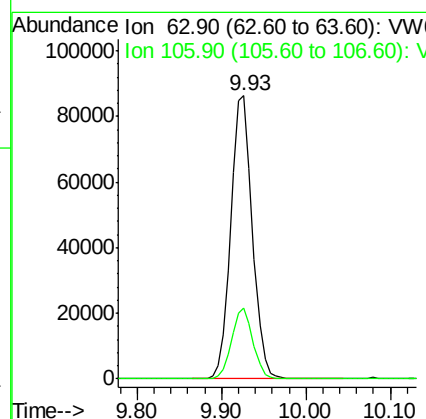
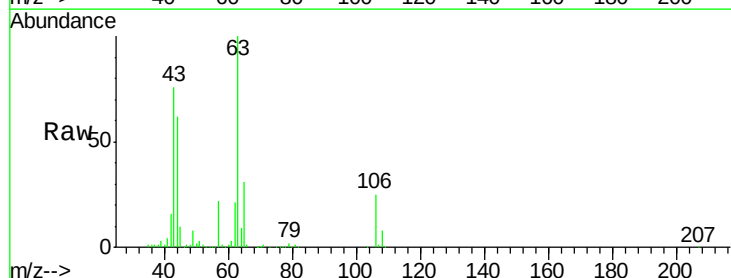
Manual Integrations
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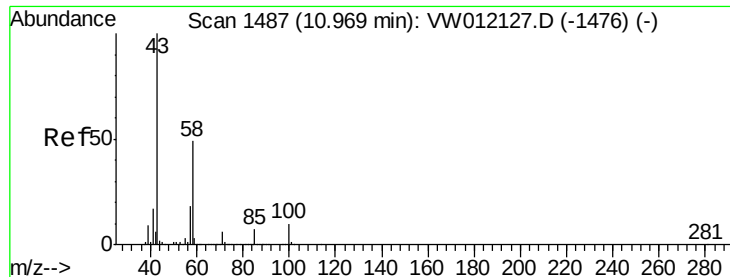
MMDadoda
 8/26/2019 11:39:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.413 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion: 63 Resp: 150716
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8





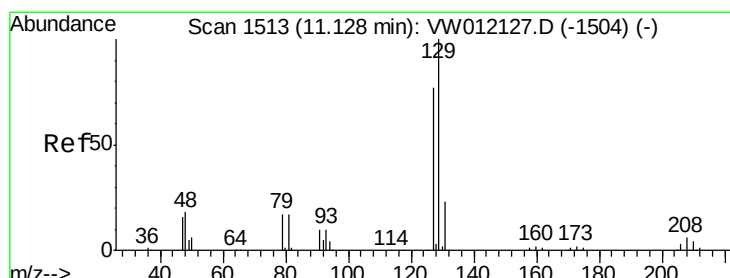
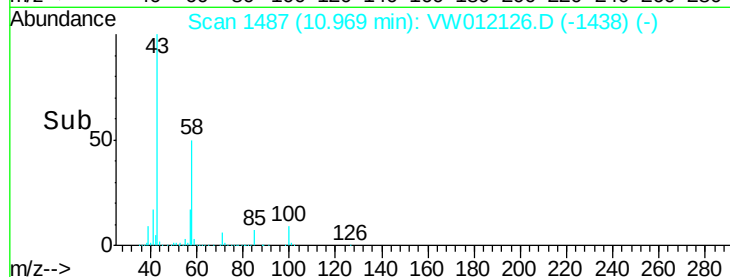
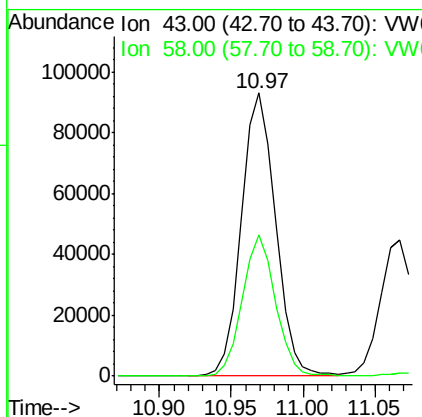
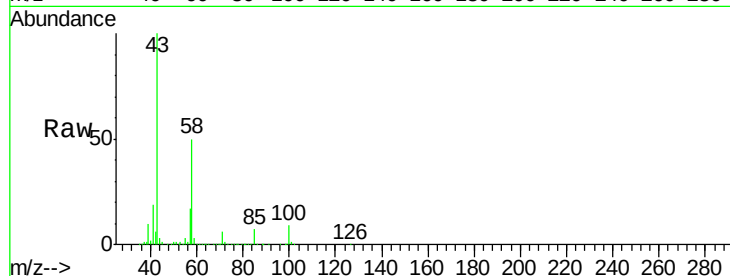
#59
2-Hexanone
Concen: 94.492 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	24.3	72.9

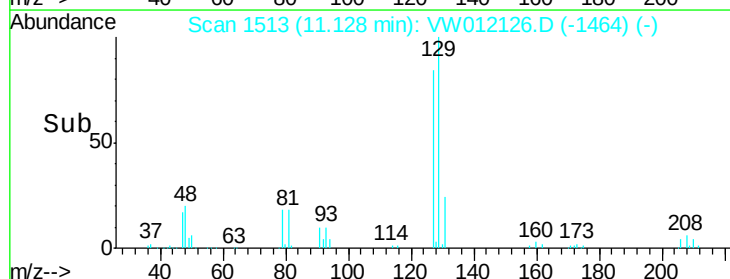
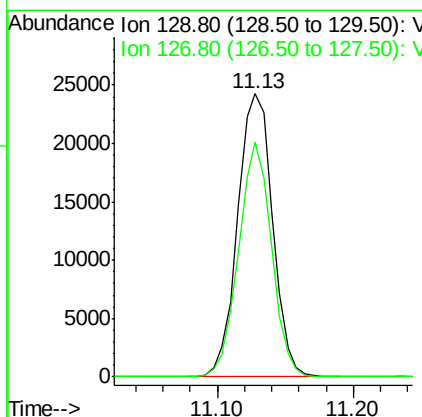
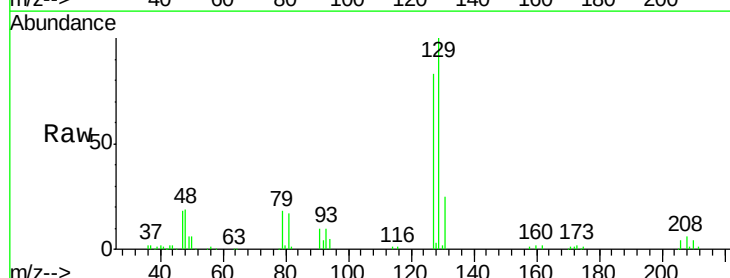
Manual Integrations
APPROVED

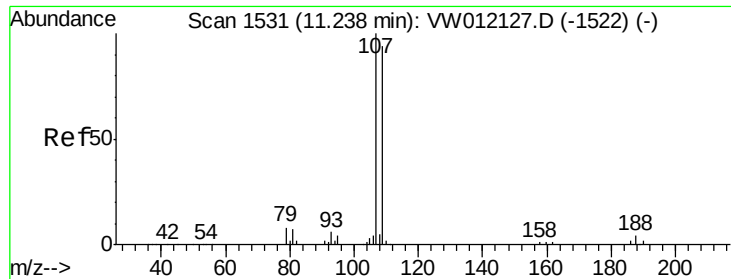
MMDadoda
8/26/2019 11:39:01 AM



#60
Dibromochloromethane
Concen: 19.068 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	115.8





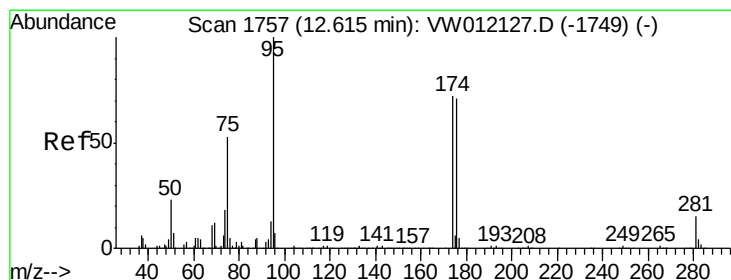
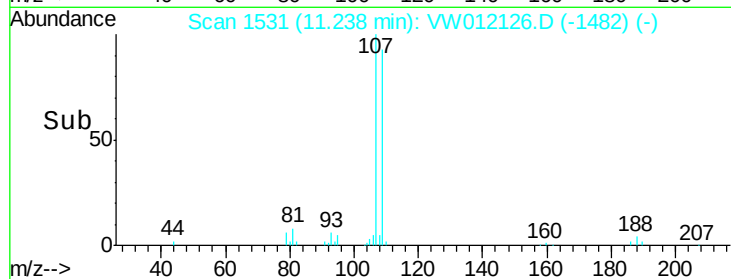
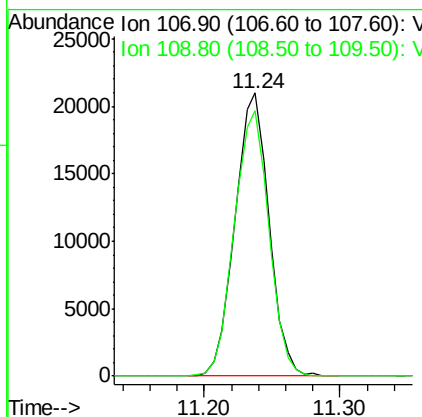
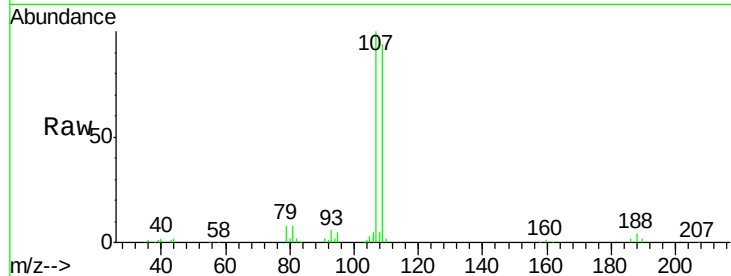
#61
 1,2-Dibromoethane
 Concen: 19.186 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.4	113.2

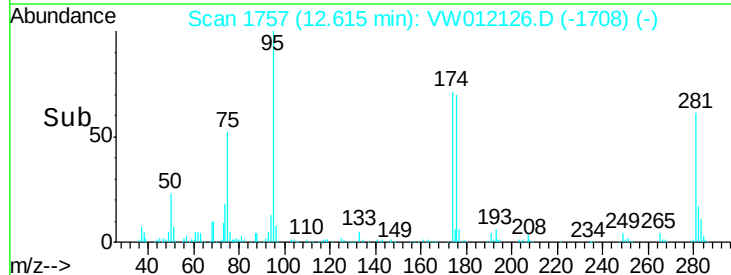
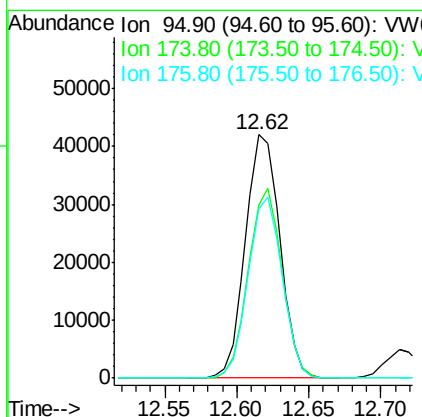
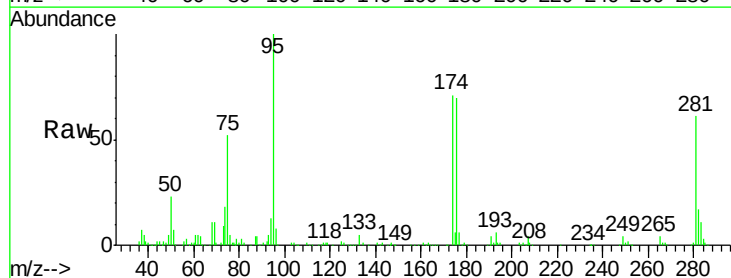
Manual Integrations
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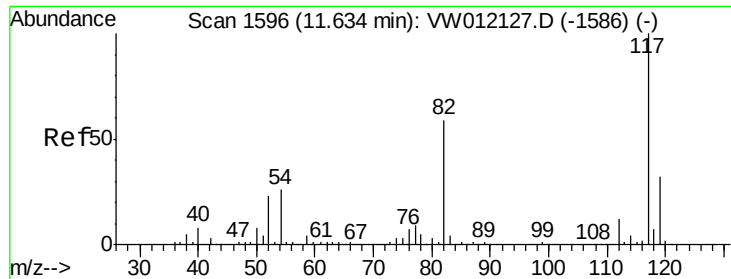
MMDadoda
 8/26/2019 11:39:01 AM



#62
 4-Bromofluorobenzene
 Concen: 19.026 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.8
176	73.2	0.0	148.6





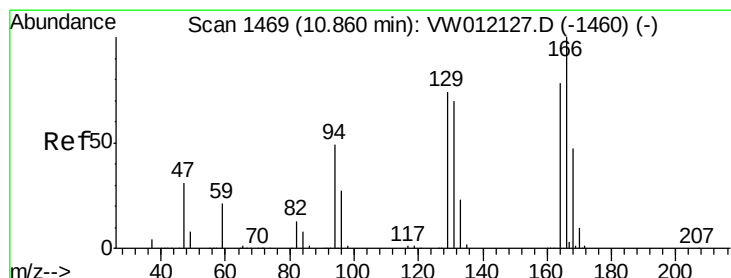
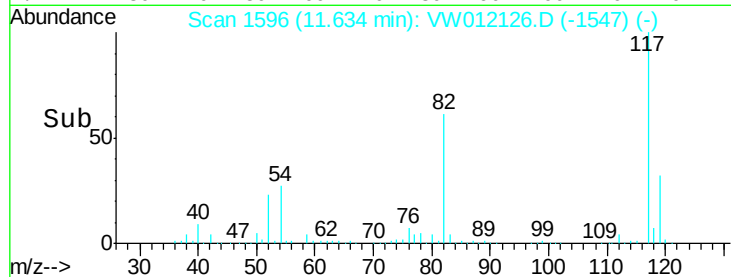
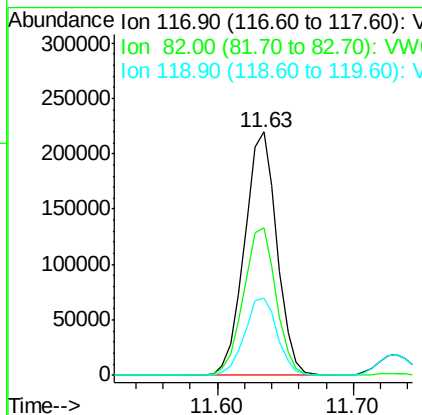
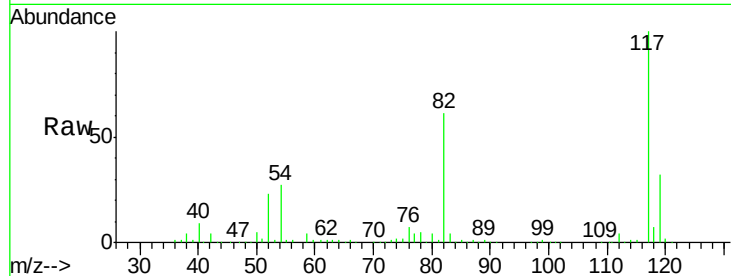
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	365857		
82	60.8	47.4	71.2	
119	31.7	25.4	38.2	

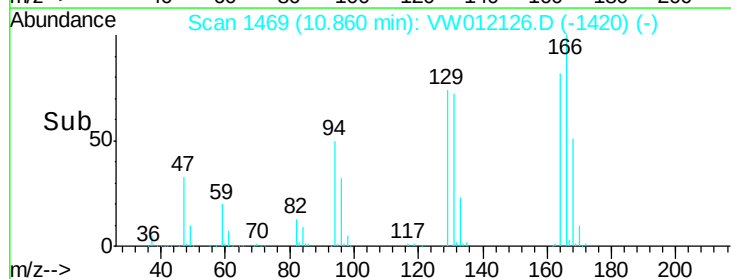
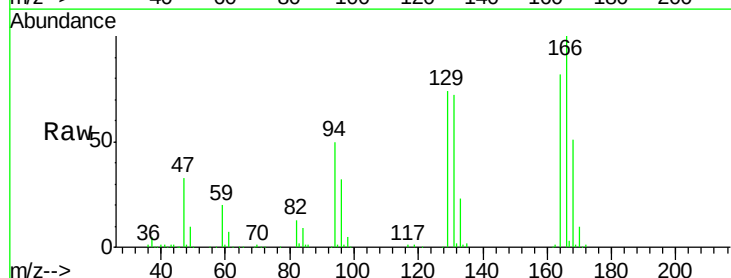
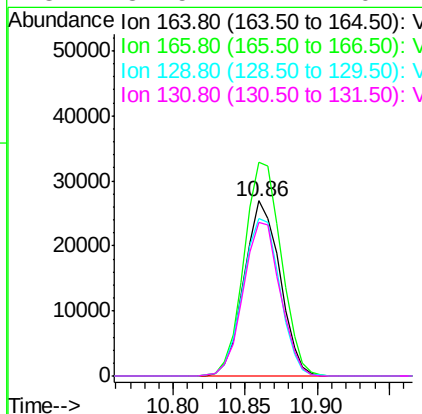
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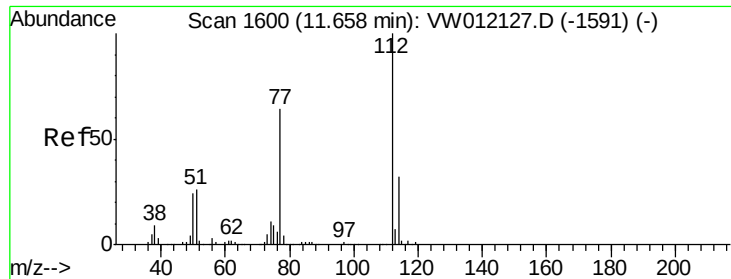
MMDadoda
8/26/2019 11:39:01 AM



#64
Tetrachloroethene
Concen: 19.562 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46400		
166	122.0	102.4	153.6	
129	90.2	75.8	113.6	
131	87.5	71.4	107.2	





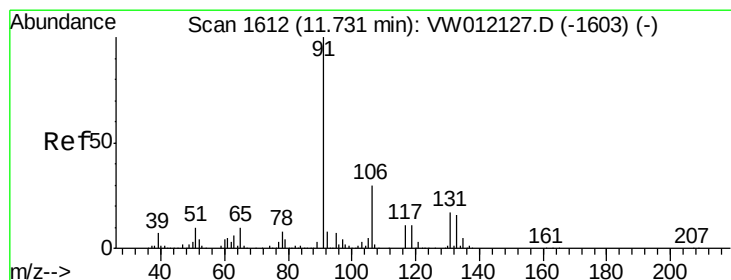
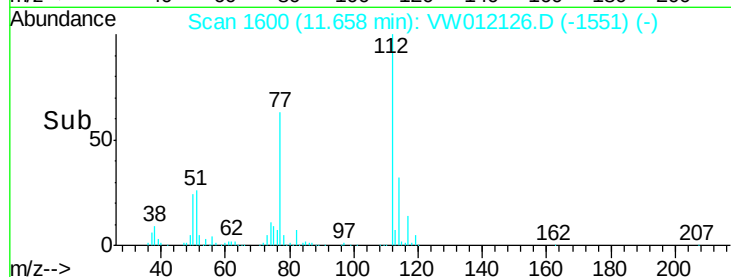
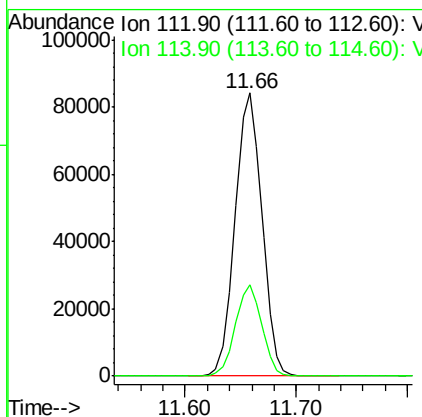
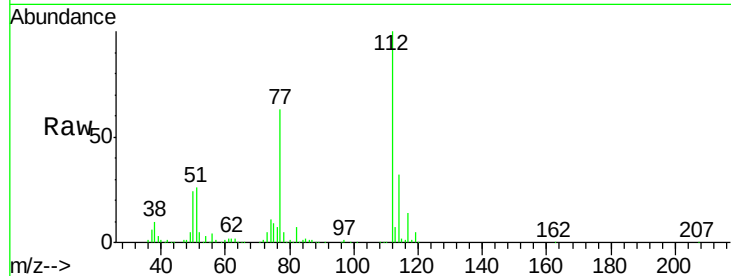
#65
Chlorobenzene
Concen: 19.540 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.6

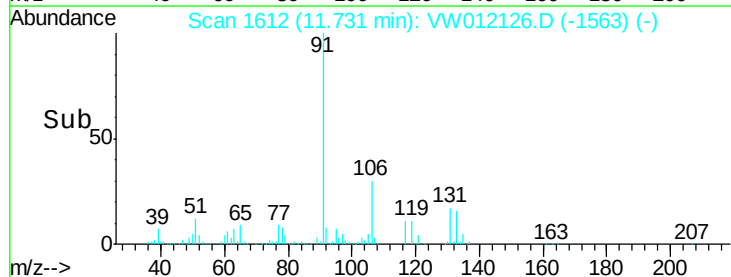
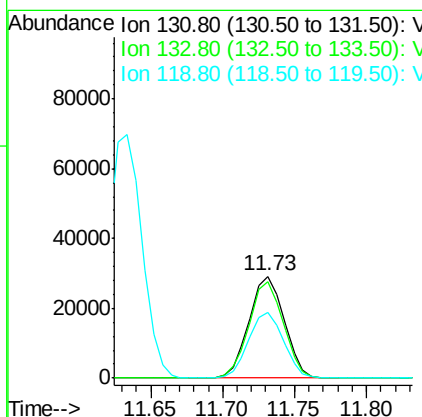
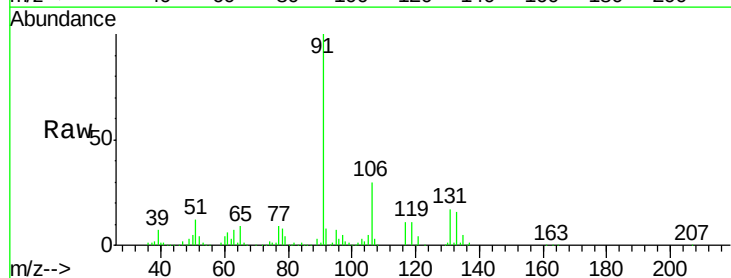
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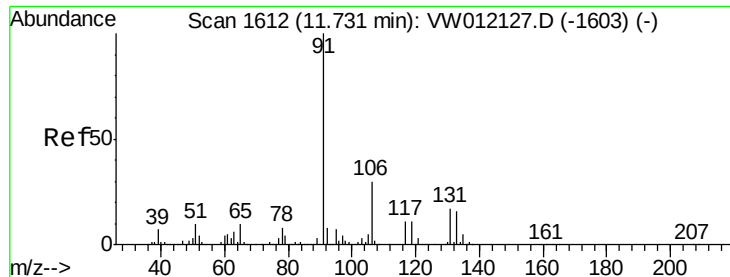
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.641 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.1	141.3
119	64.5	31.8	95.3





#67

Ethyl Benzene

Concen: 19.363 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 268705

Ion Ratio Lower Upper

91 100

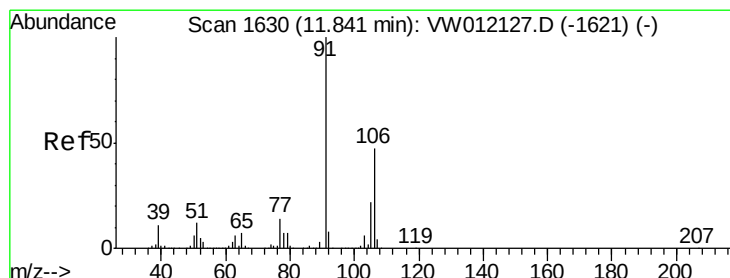
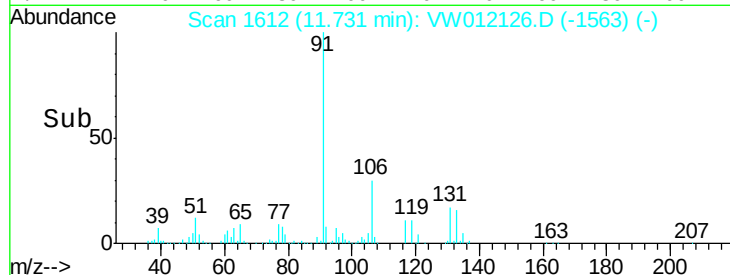
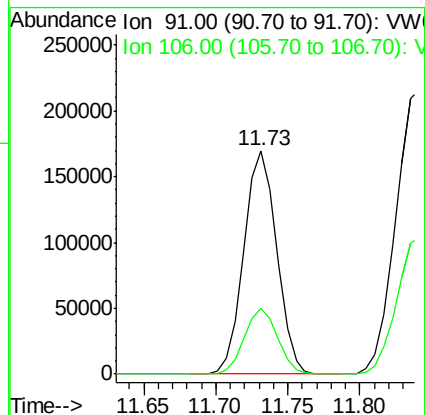
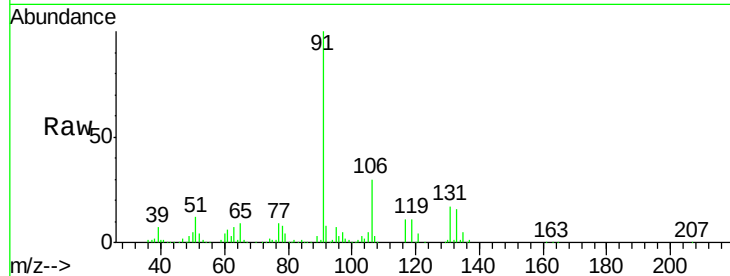
106 29.5 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.008 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012126.D

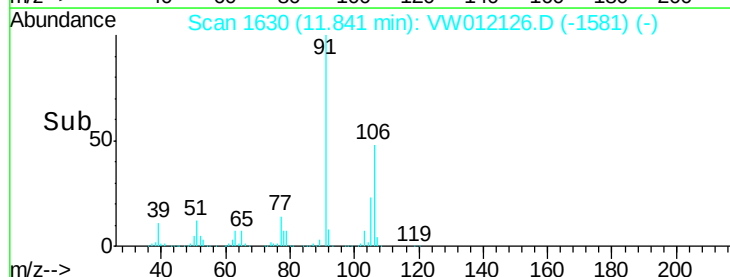
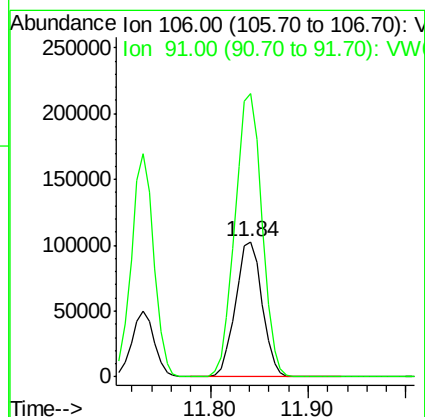
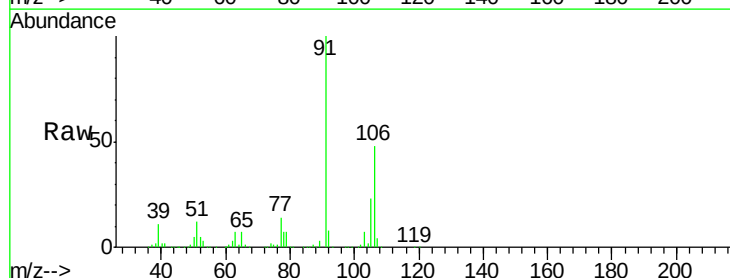
Acq: 23 Aug 2019 10:37

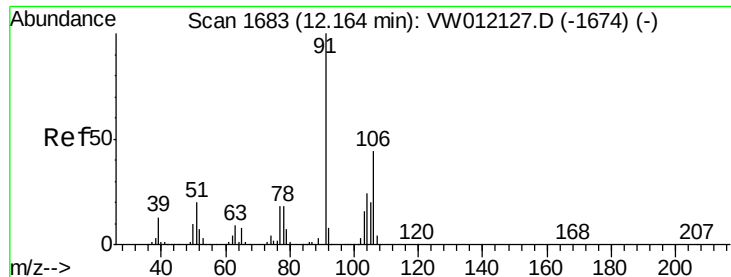
Tgt Ion: 106 Resp: 194994

Ion Ratio Lower Upper

106 100

91 211.4 169.5 254.3





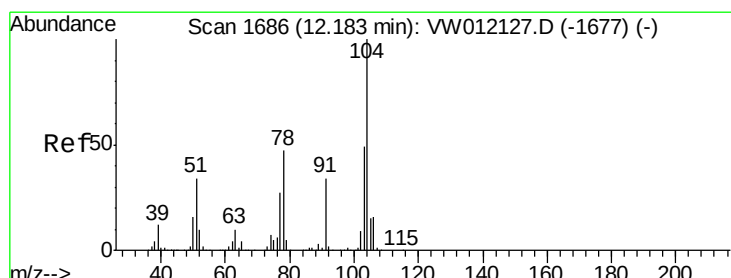
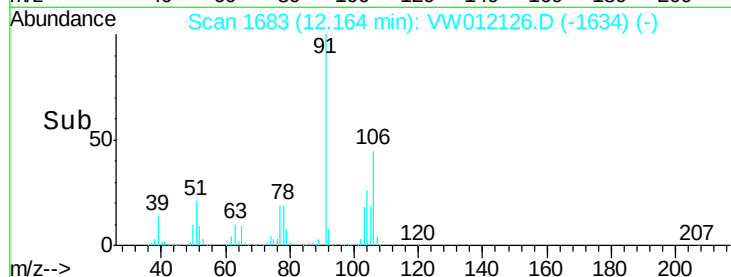
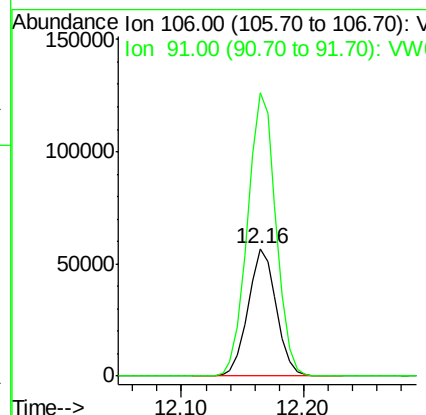
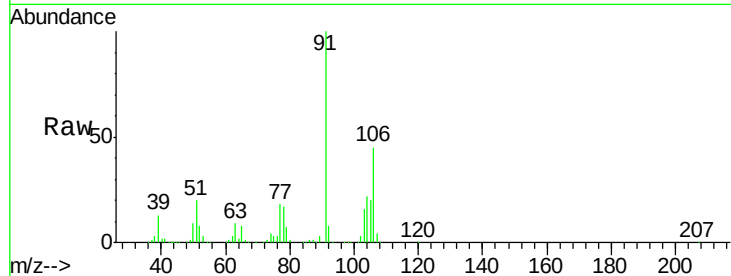
#69
o-Xylene
Concen: 19.504 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.7	111.6	334.6

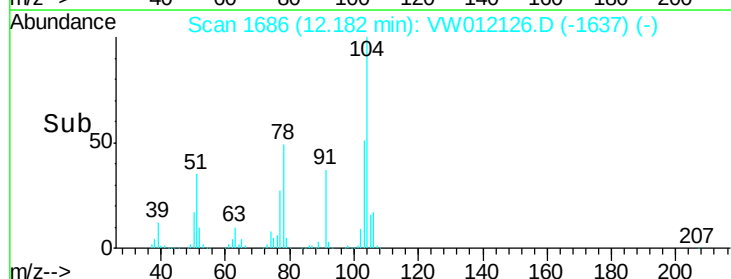
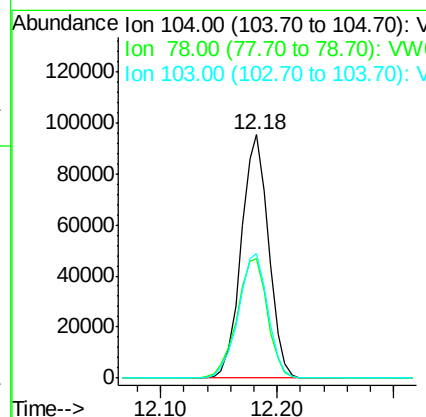
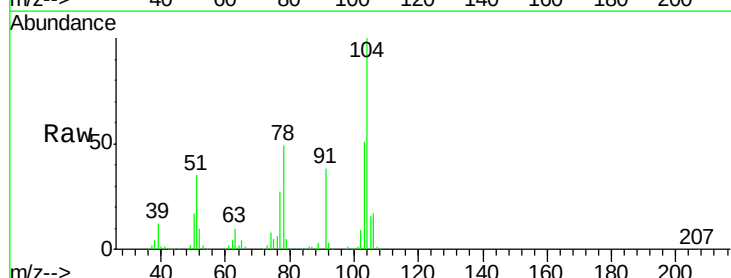
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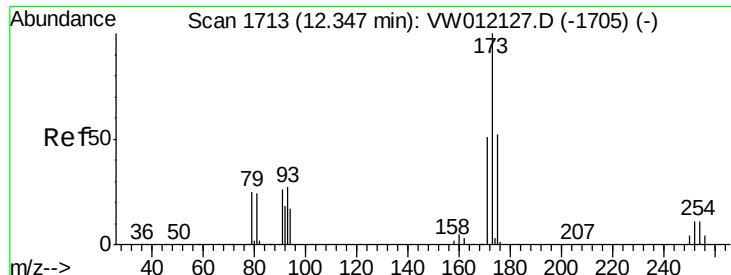
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#70
Styrene
Concen: 19.507 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.1	64.7
103	55.0	43.5	65.3





#71

Bromoform

Concen: 19.529 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

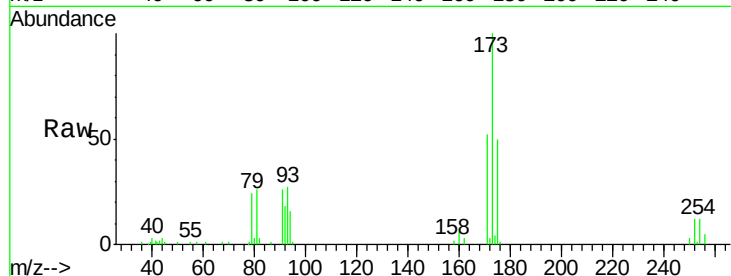
ClientSampleId :

VSTDIC020

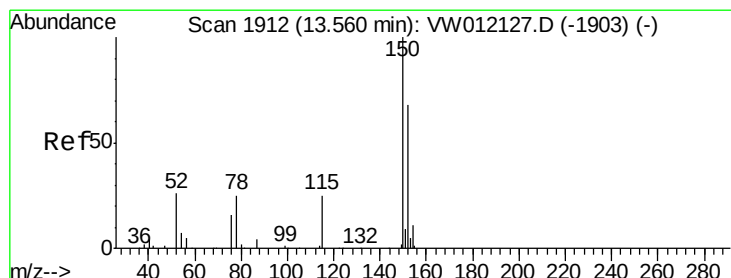
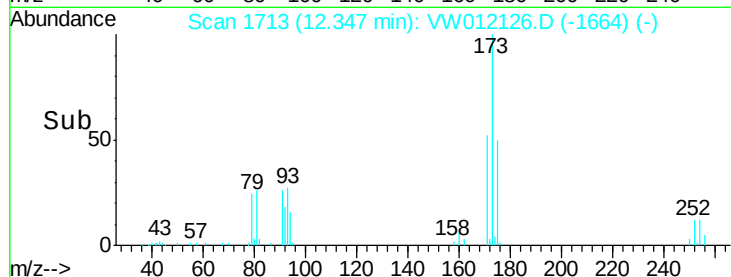
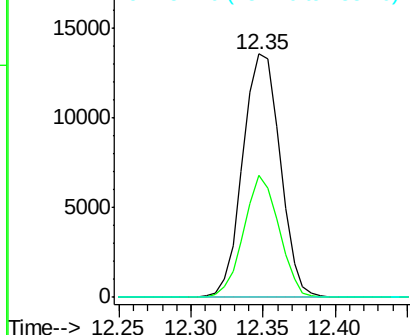
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	74.0
254	0.0	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

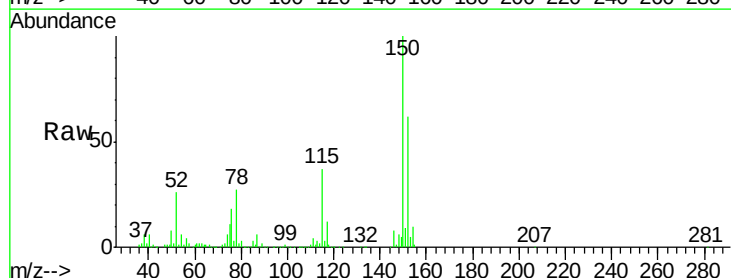
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

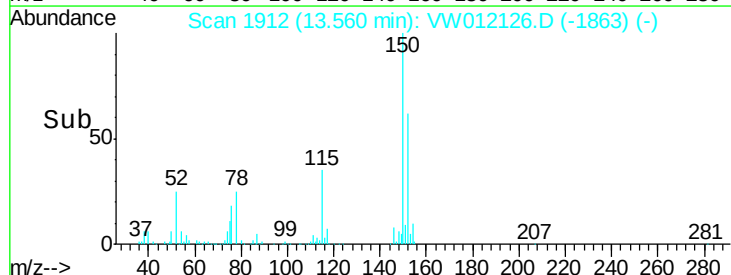
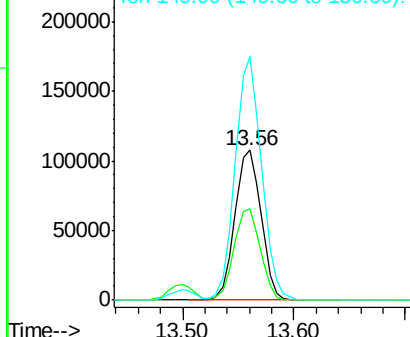
Lab File: VW012126.D

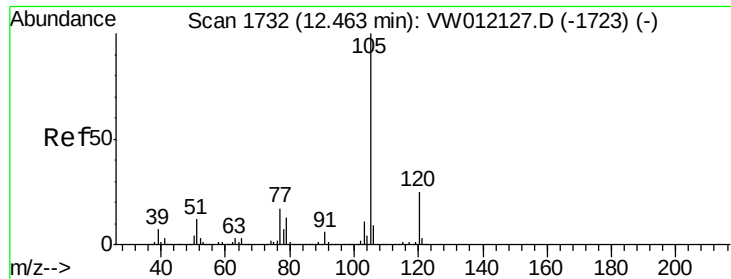
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.3
150	163.7	0.0	345.8



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





#73

Isopropylbenzene

Concen: 19.443 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 254037

Ion Ratio Lower Upper

105 100

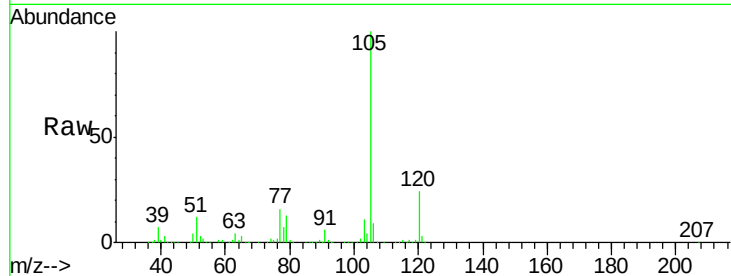
120 25.1 12.5 37.5

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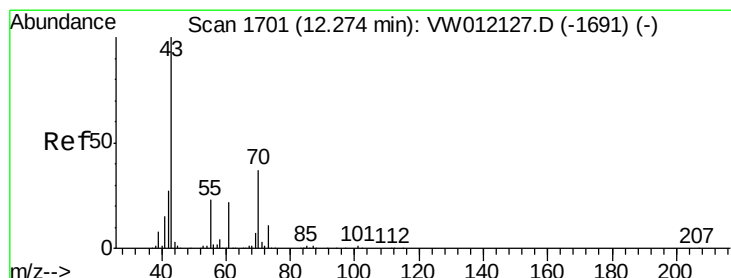
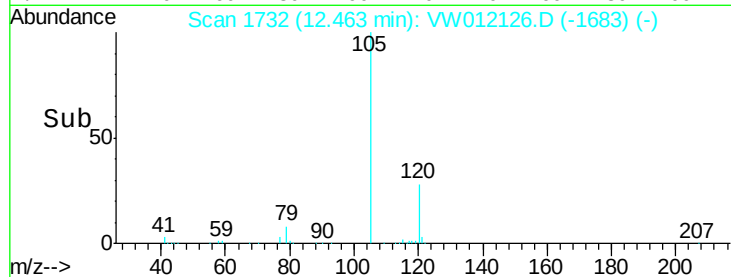
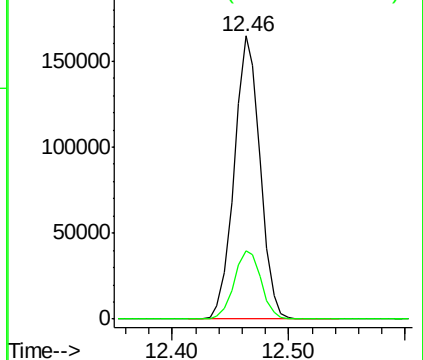
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.263 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion: 43 Resp: 76039

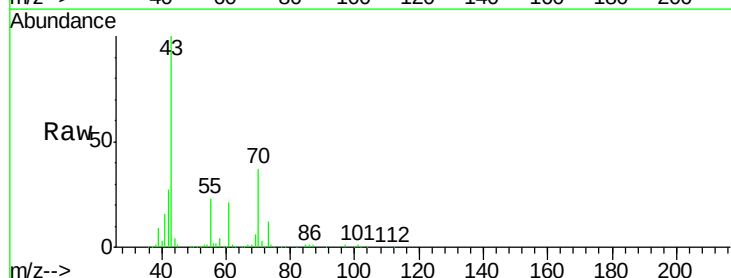
Ion Ratio Lower Upper

43 100

70 36.5 28.6 43.0

55 23.4 17.8 26.6

61 21.5 17.3 25.9

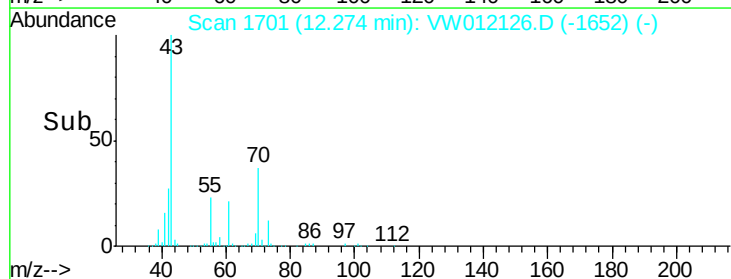
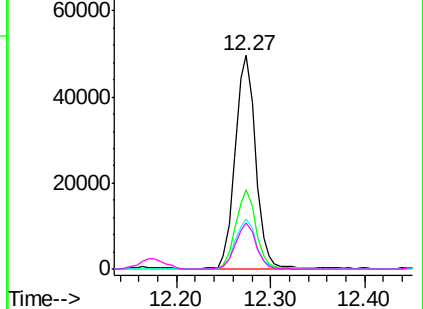


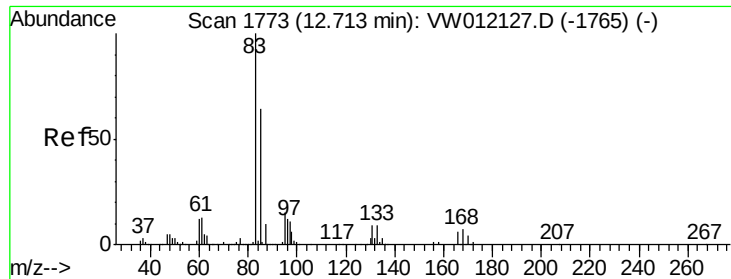
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.777 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

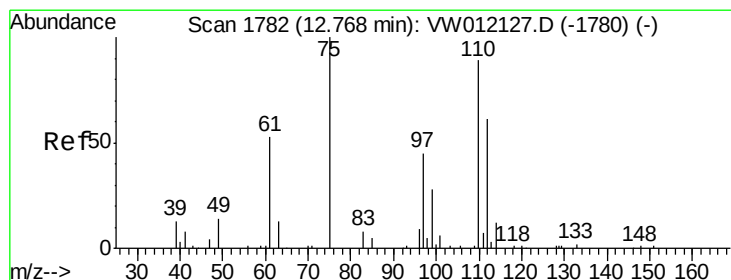
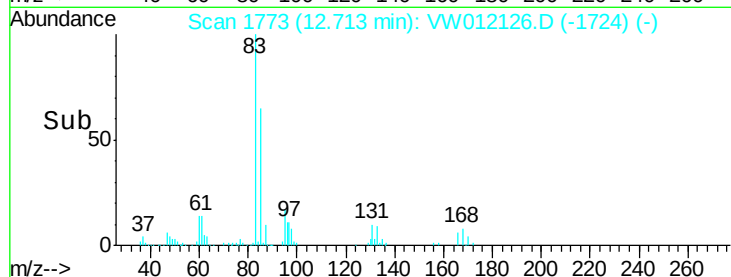
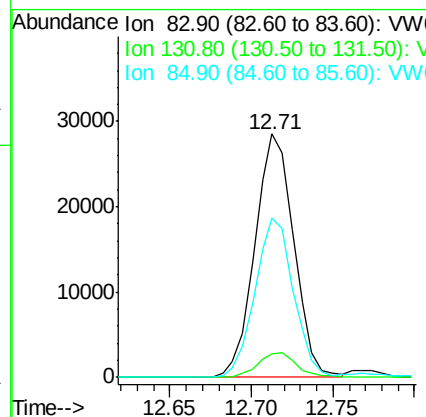
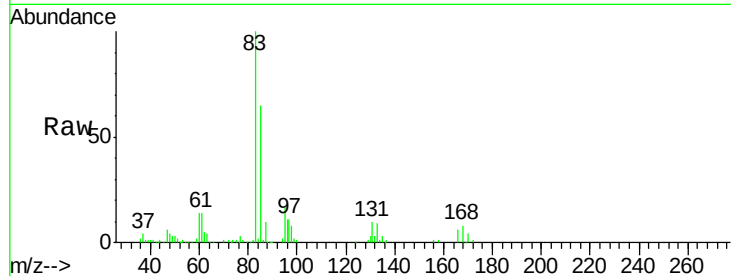
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	47373
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	64.9	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.918 ug/l m

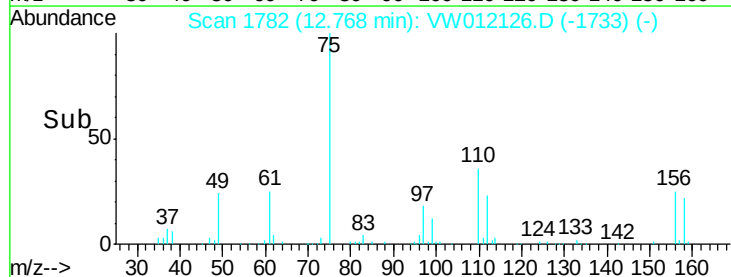
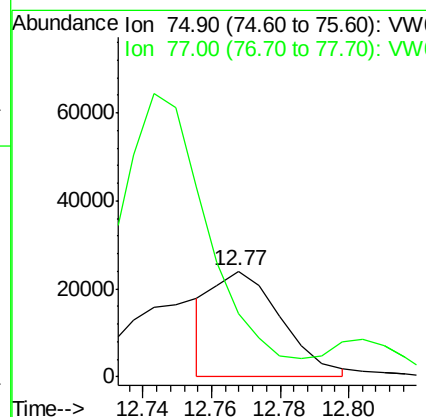
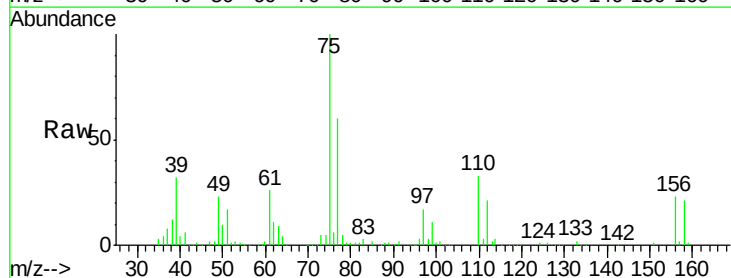
RT: 12.77 min Scan# 1782

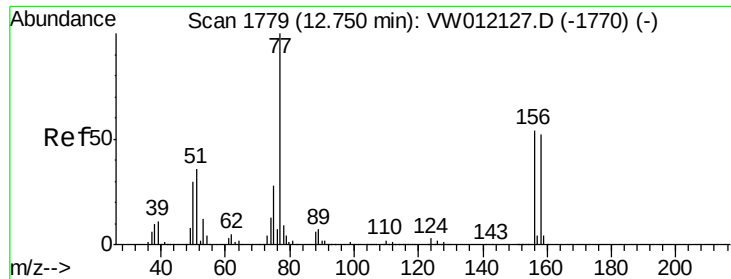
Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion:	75	Resp:	33464
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.517 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

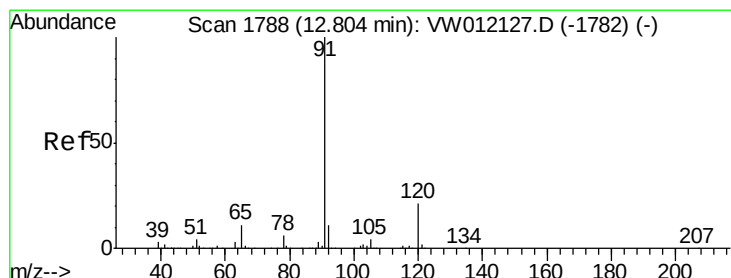
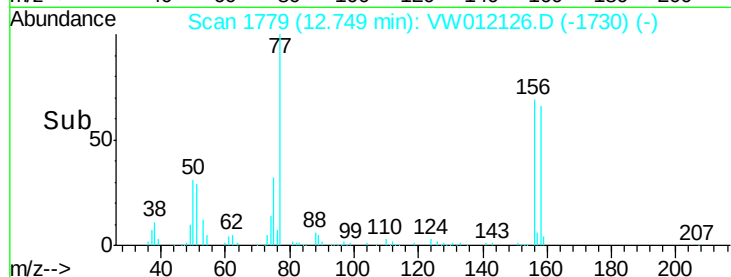
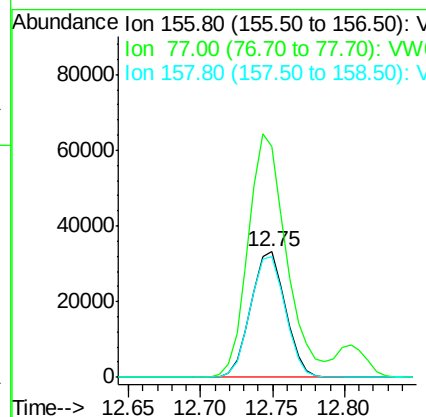
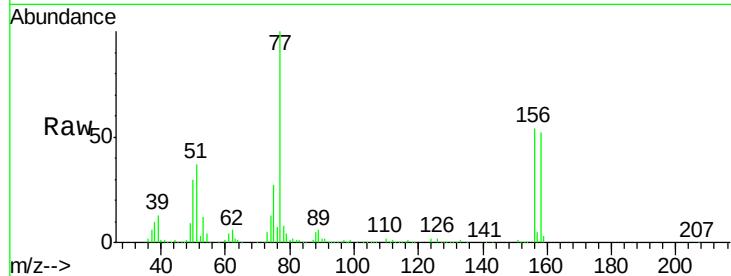
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	213.6	107.3	321.8	
158	97.2	49.0	147.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.550 ug/l

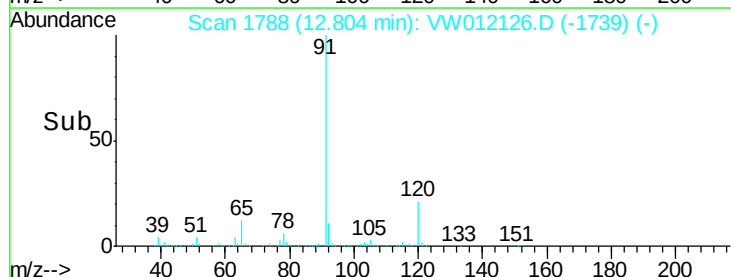
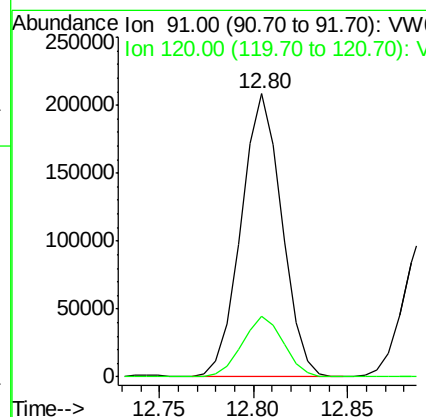
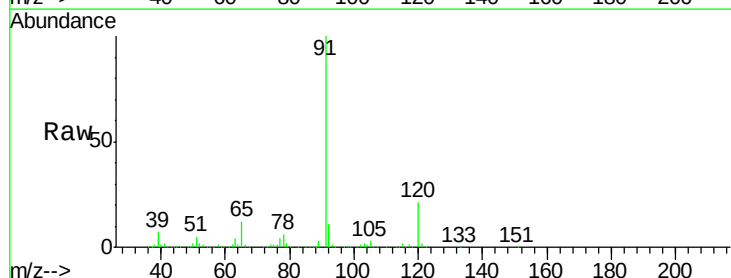
RT: 12.80 min Scan# 1788

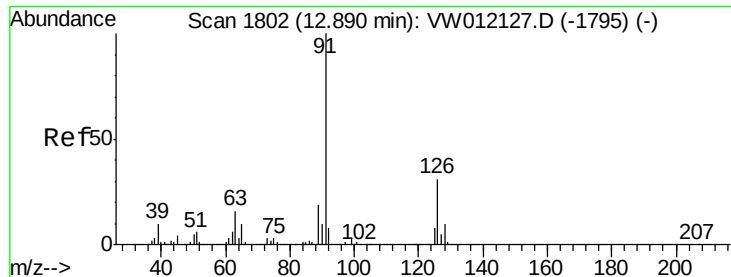
Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.5	31.6	





#79

2-Chlorotoluene

Concen: 19.503 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 176618

Ion Ratio Lower Upper

91 100

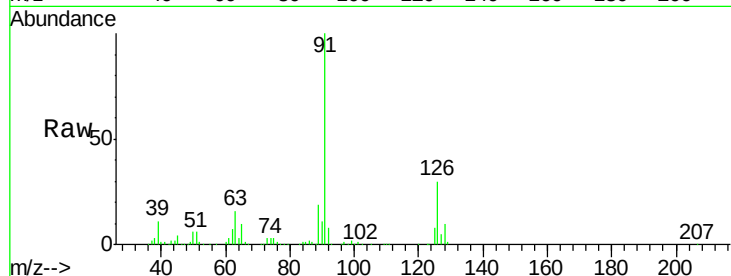
126 31.4 15.7 47.0

Manual Integrations

APPROVED

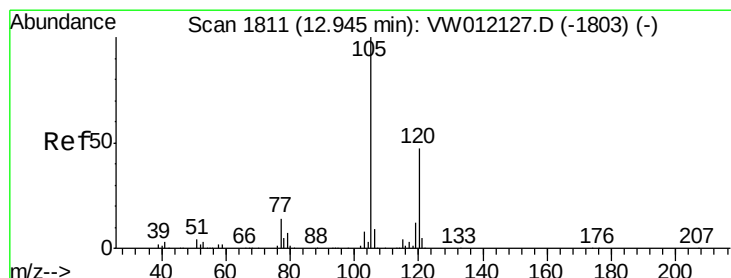
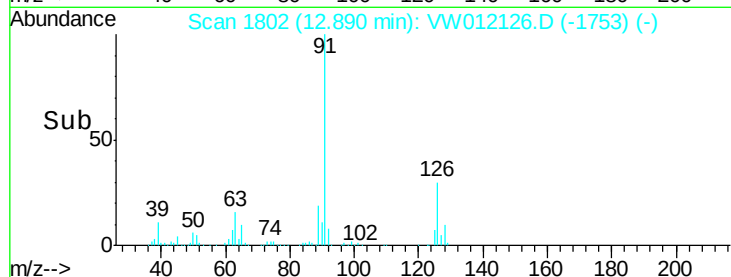
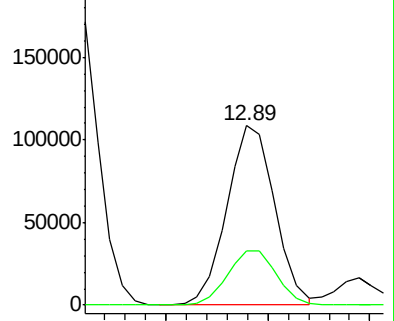
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.596 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012126.D

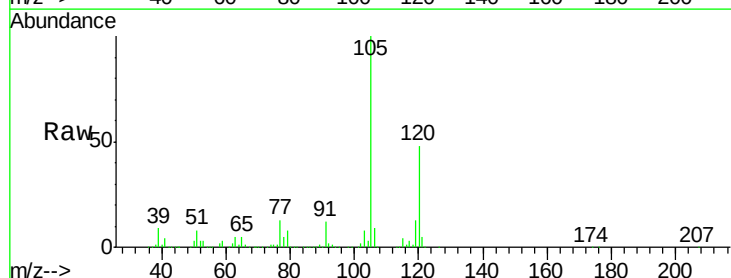
Acq: 23 Aug 2019 10:37

Tgt Ion: 105 Resp: 213944

Ion Ratio Lower Upper

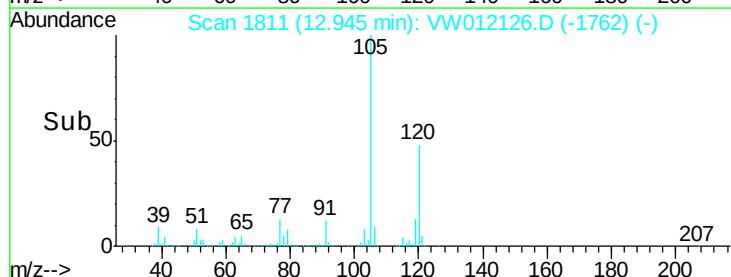
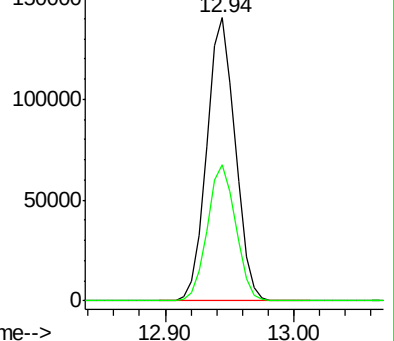
105 100

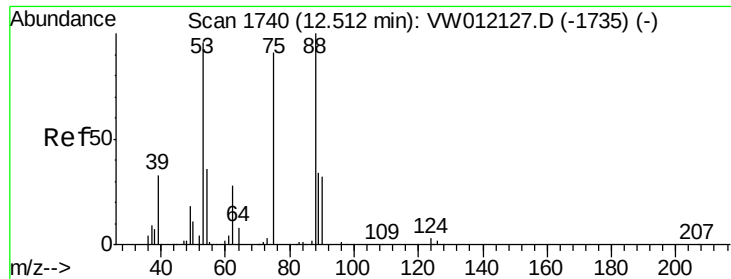
120 47.9 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





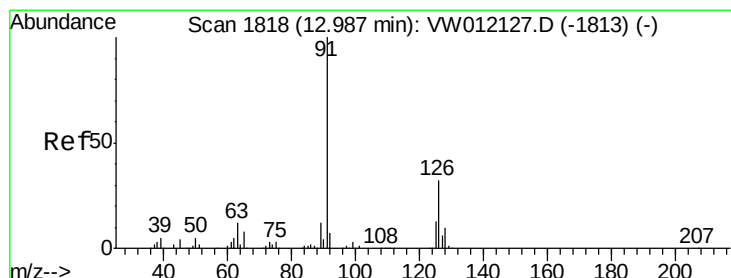
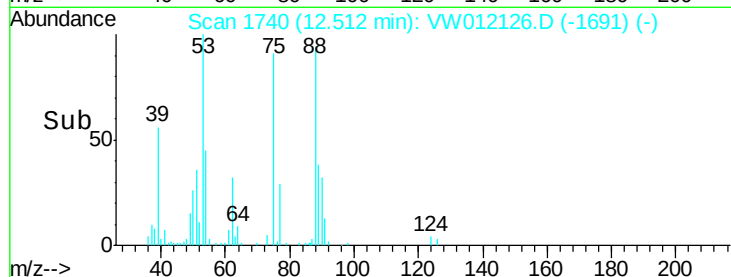
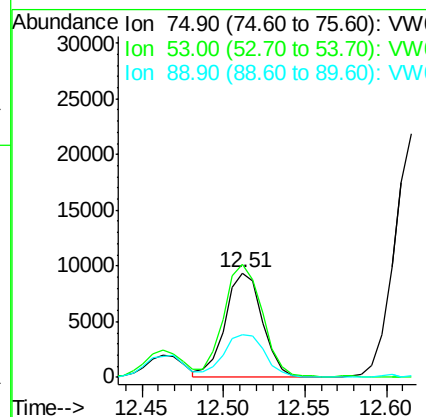
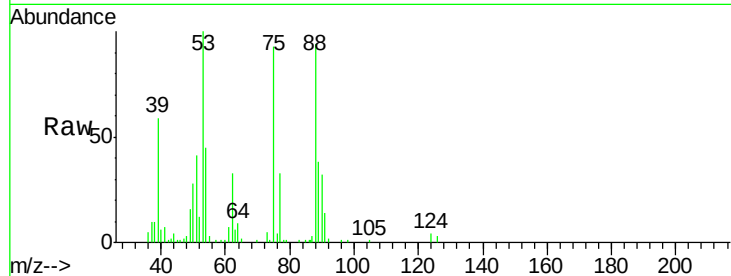
#81
trans-1,4-Dichloro-2-butene
Concen: 19.429 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.2	89.4	134.0
89	44.5	34.5	51.7

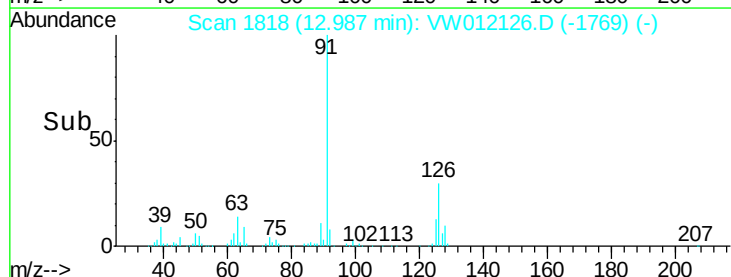
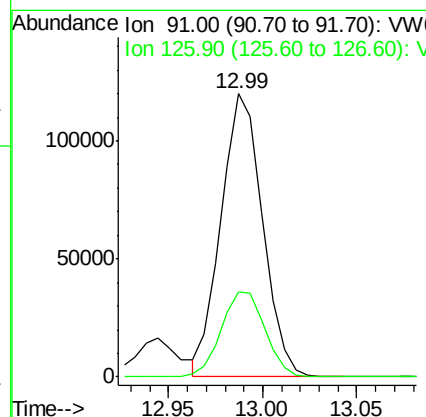
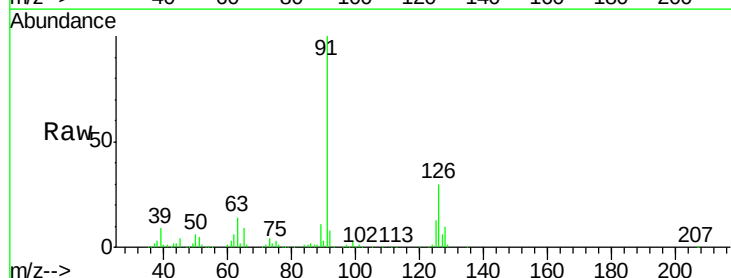
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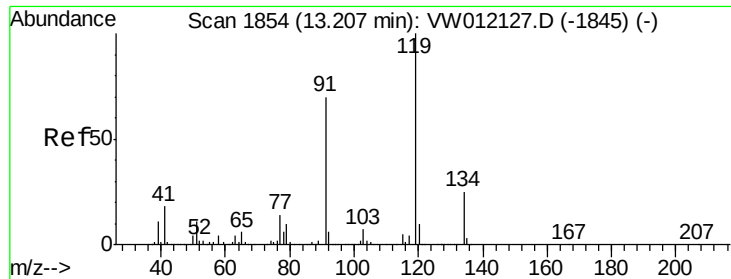
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#82
4-Chlorotoluene
Concen: 19.357 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8





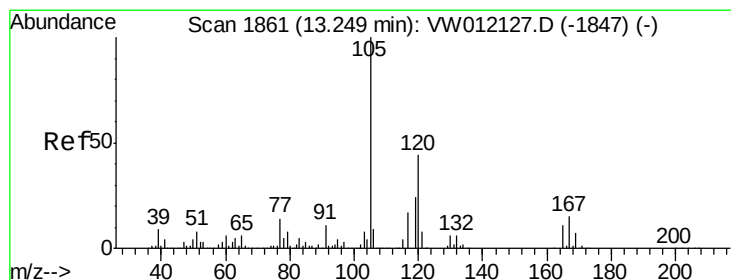
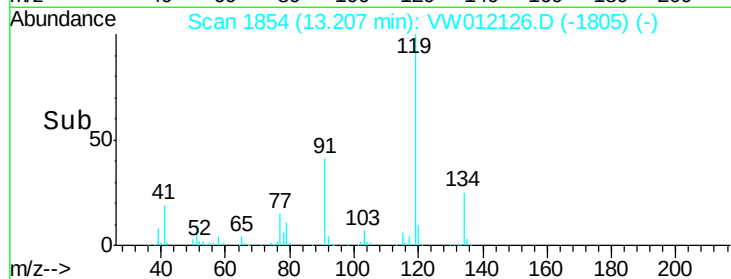
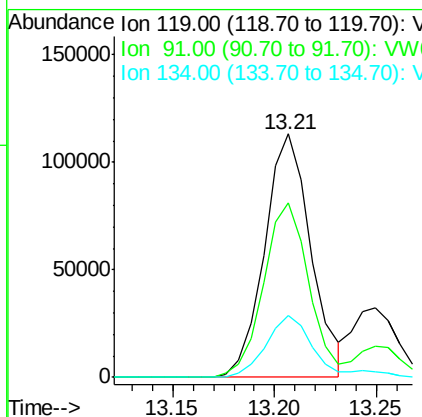
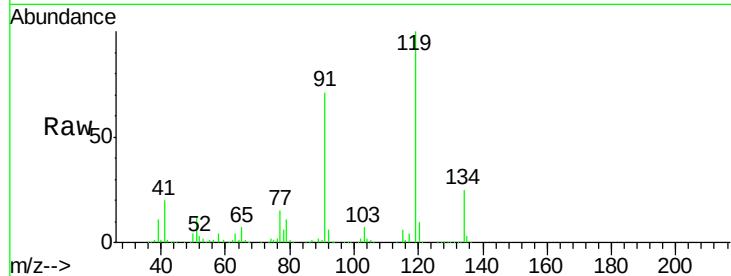
#83
 tert-Butylbenzene
 Concen: 19.384 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.8	104.3
134	25.1	13.3	39.8

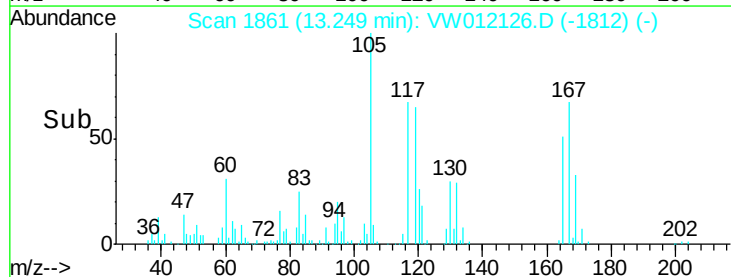
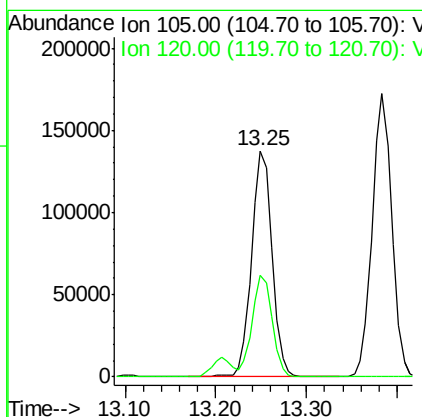
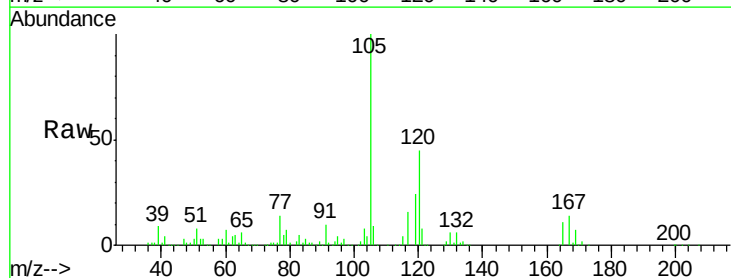
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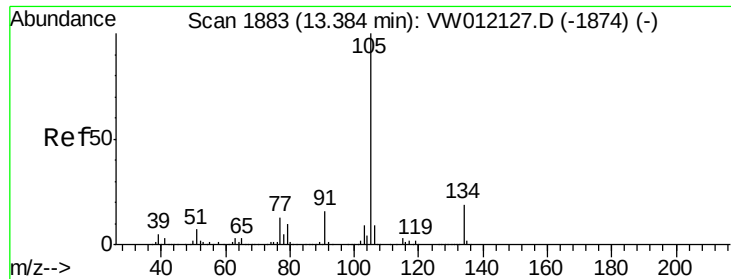
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.687 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.7





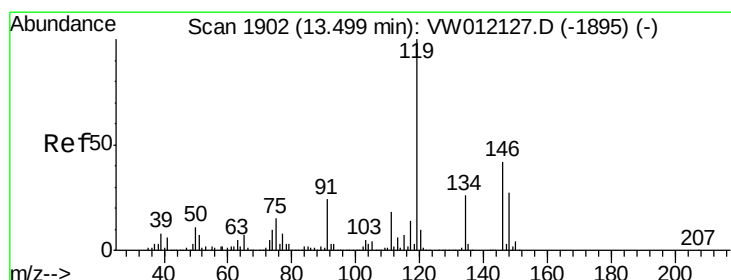
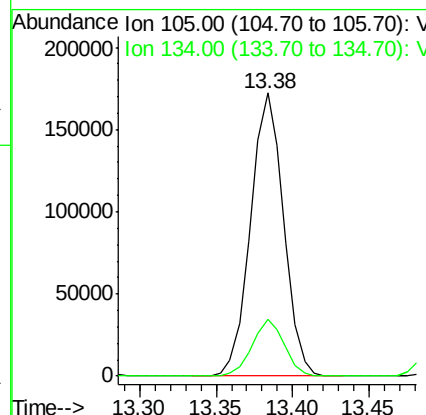
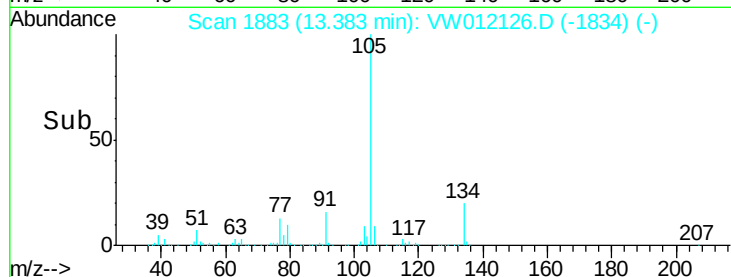
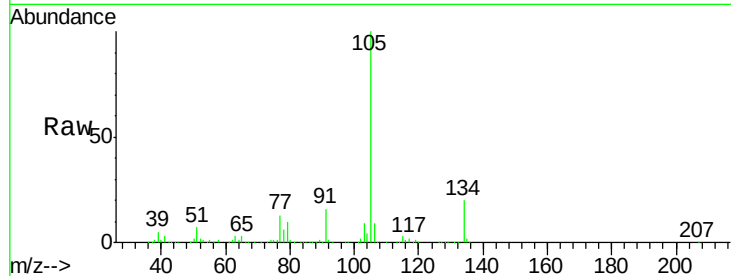
#85
 sec-Butylbenzene
 Concen: 19.458 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	257806		
134	19.4	9.8	29.4	

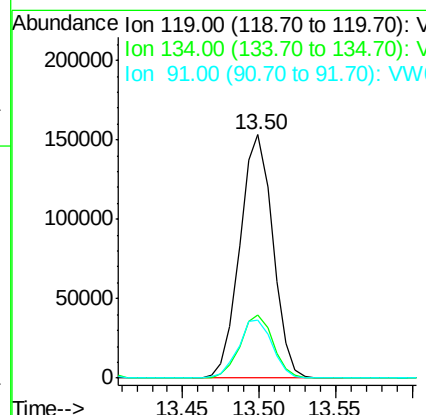
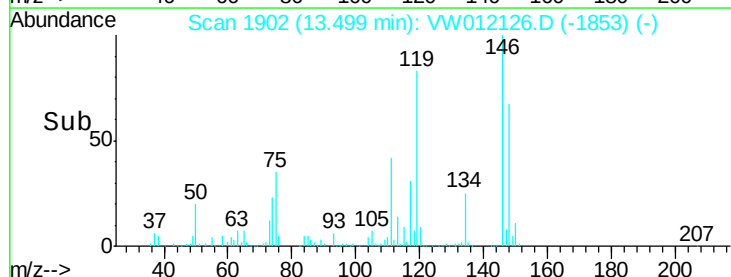
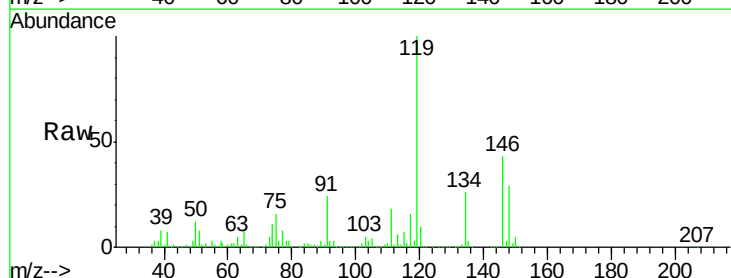
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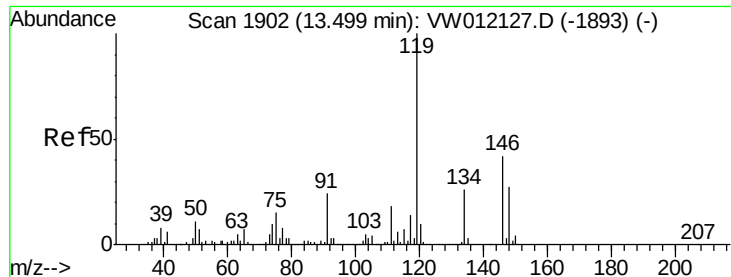
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#86
 p-Isopropyltoluene
 Concen: 19.377 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	229276		
134	25.8	12.8	38.3	
91	24.6	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 19.544 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

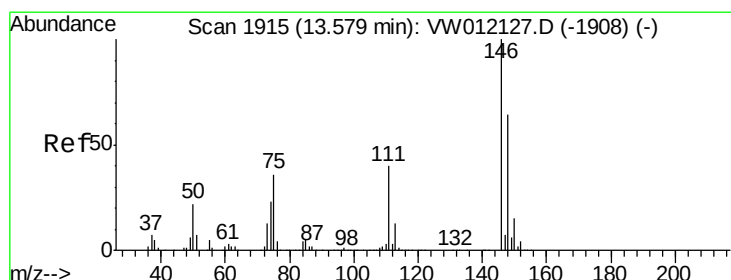
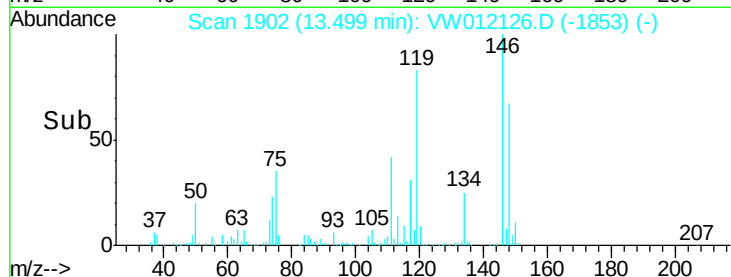
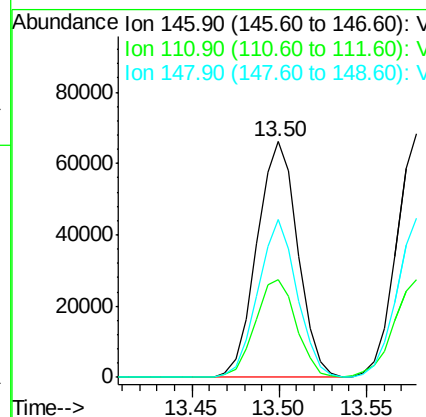
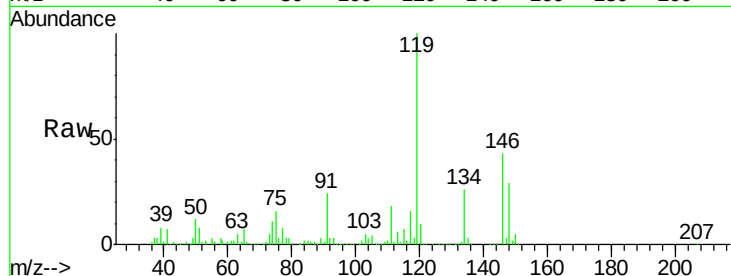
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	108052
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.9	62.7
148	64.0	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.492 ug/l

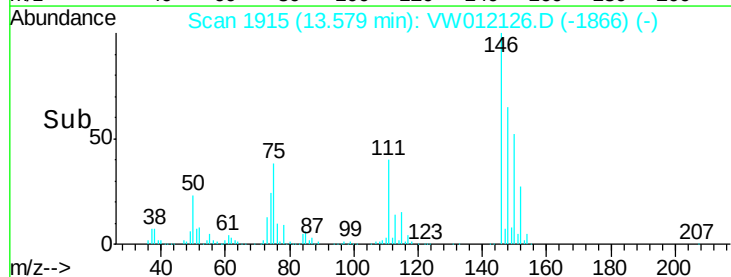
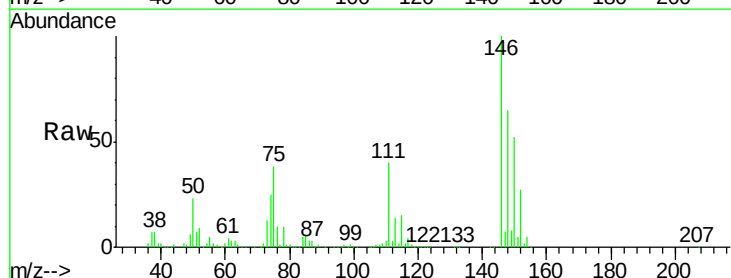
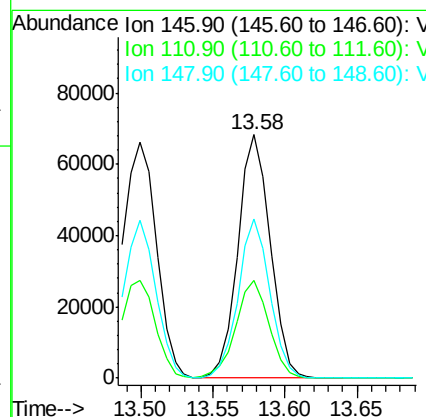
RT: 13.58 min Scan# 1915

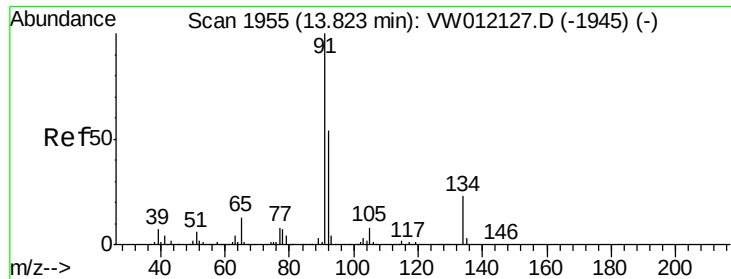
Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion:	146	Resp:	107002
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.0	60.0
148	64.4	32.1	96.3





#89

n-Butylbenzene

Concen: 19.331 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Instrument :

MSVOA_W

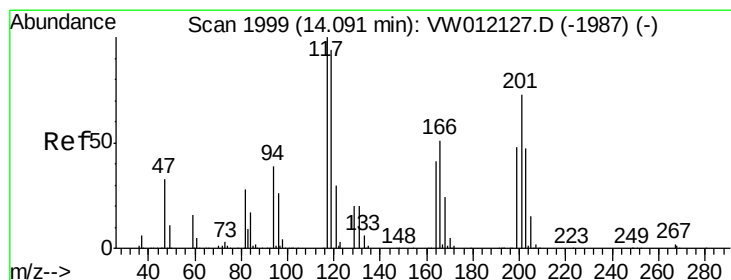
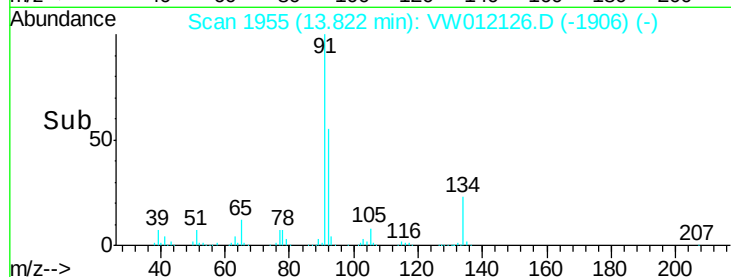
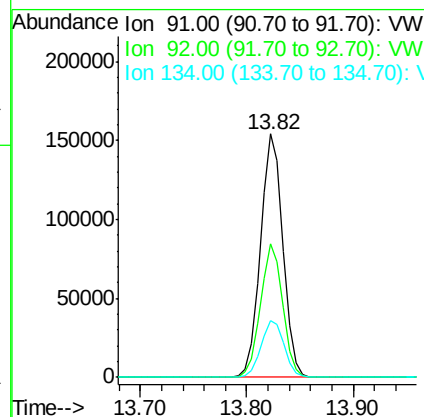
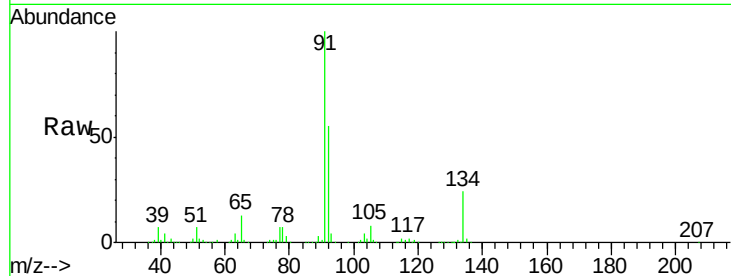
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	227470
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	24.0	12.2	36.4

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#90

Hexachloroethane

Concen: 18.672 ug/l

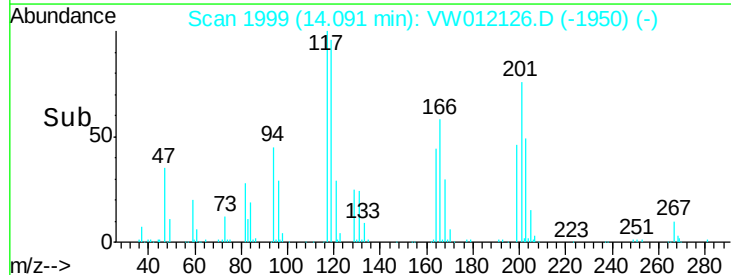
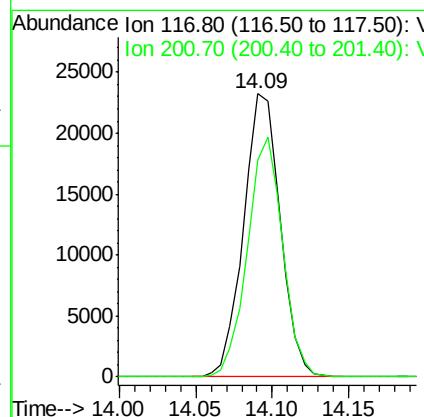
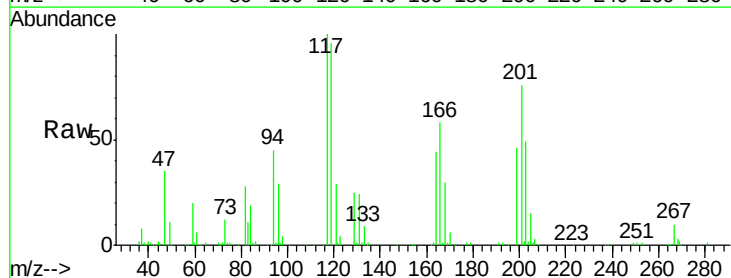
RT: 14.09 min Scan# 1999

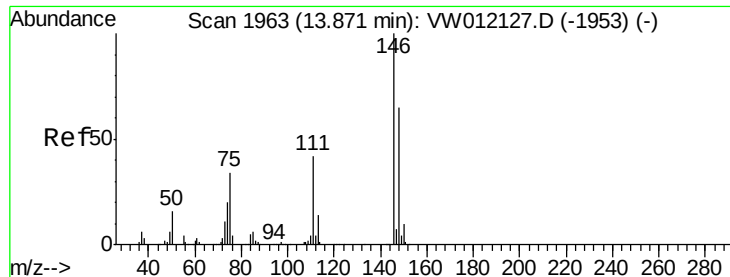
Delta R.T. -0.00 min

Lab File: VW012126.D

Acq: 23 Aug 2019 10:37

Tgt Ion:	117	Resp:	38764
Ion	Ratio	Lower	Upper
117	100		
201	81.2	38.6	115.7





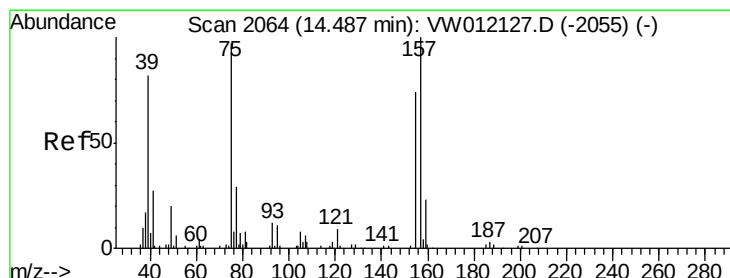
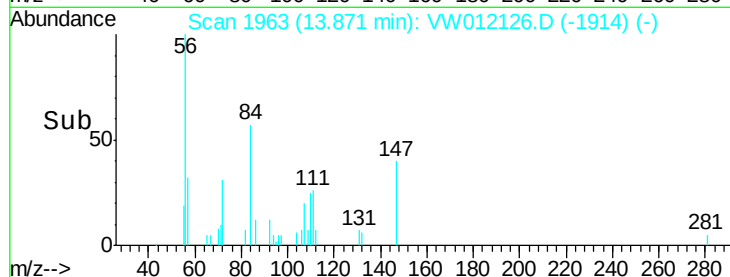
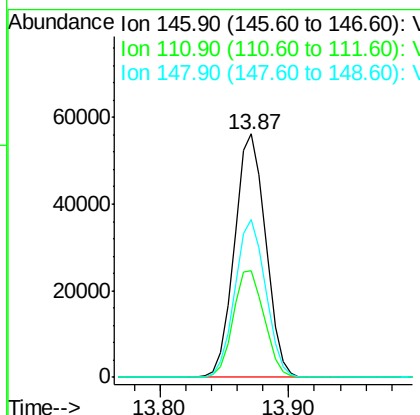
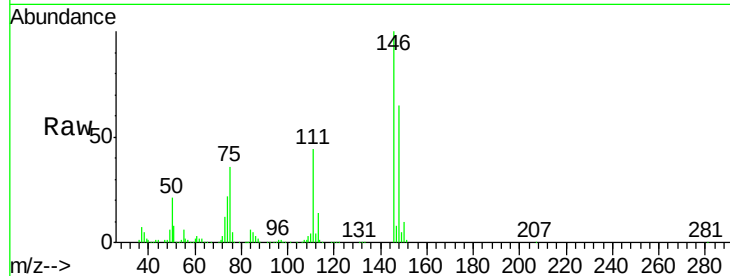
#91
 1,2-Dichlorobenzene
 Concen: 19.444 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.2	63.6
148	64.1	32.5	97.4

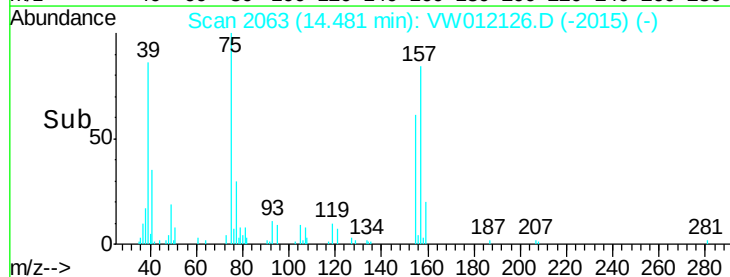
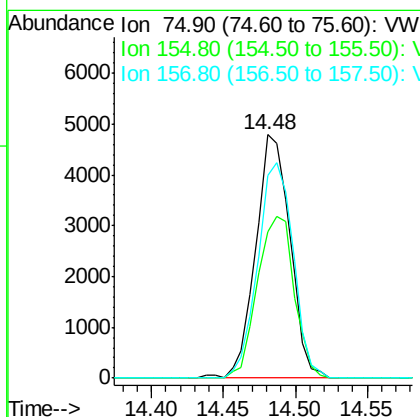
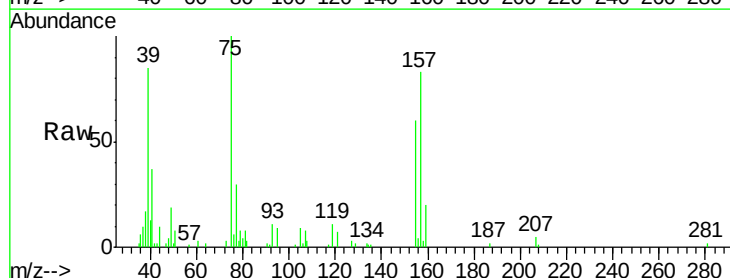
Manual Integrations
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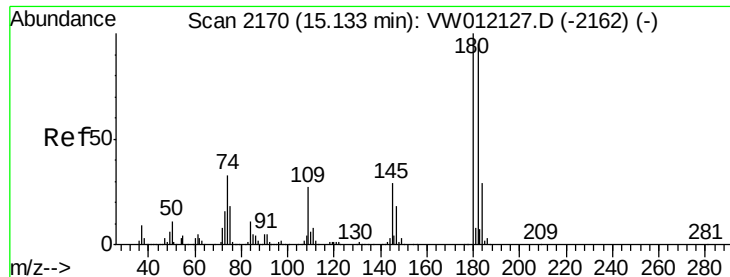
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.529 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	37.5	112.3
157	91.3	50.5	151.5





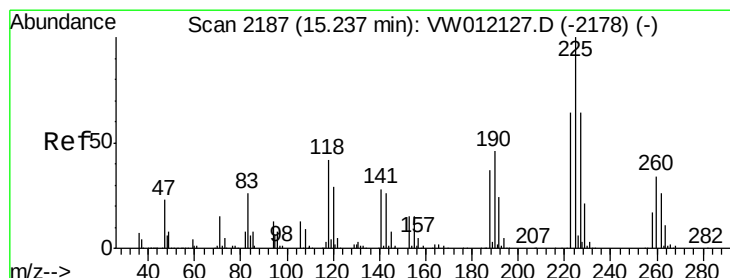
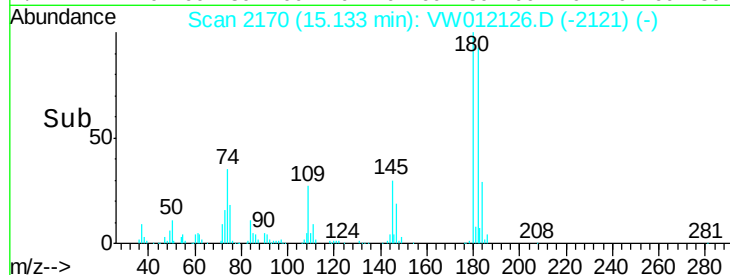
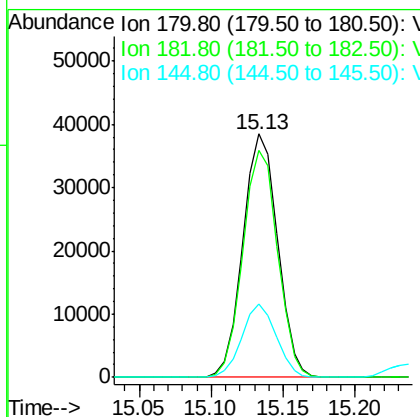
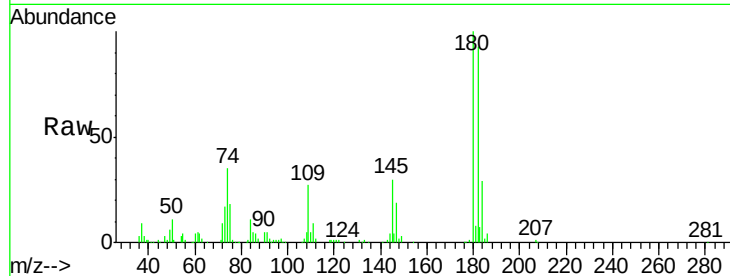
#93
 1,2,4-Trichlorobenzene
 Concen: 19.136 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	64140		
182	93.5	47.8	143.4	
145	30.0	15.0	45.1	

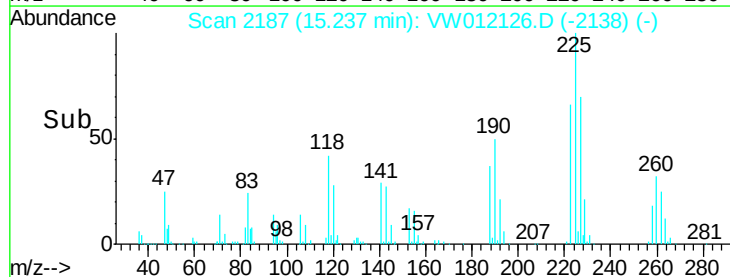
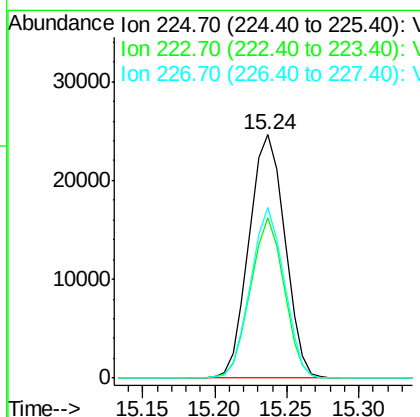
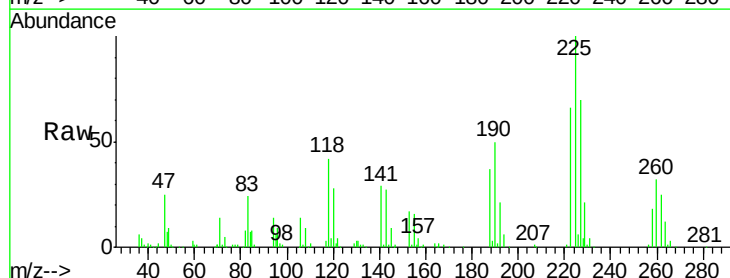
Manual Integrations
 APPROVED

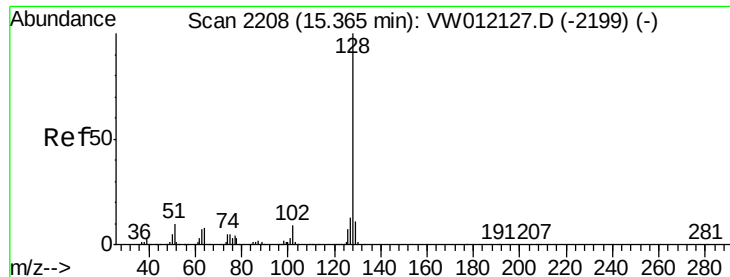
MMDadoda
 8/26/2019 11:39:01 AM



#94
 Hexachlorobutadiene
 Concen: 19.199 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012126.D
 Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42491		
223	61.9	32.3	96.8	
227	65.9	32.9	98.6	





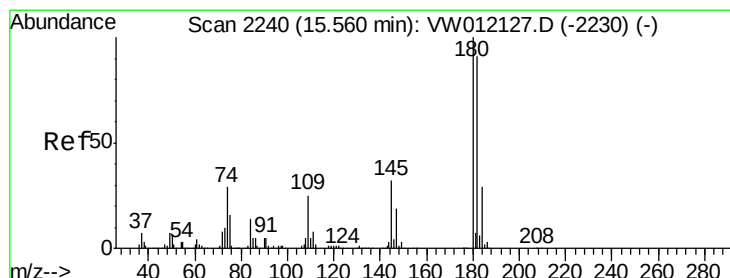
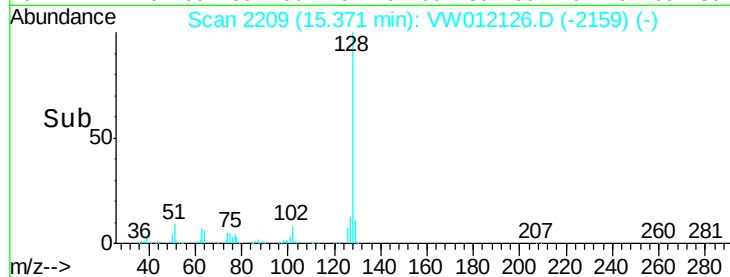
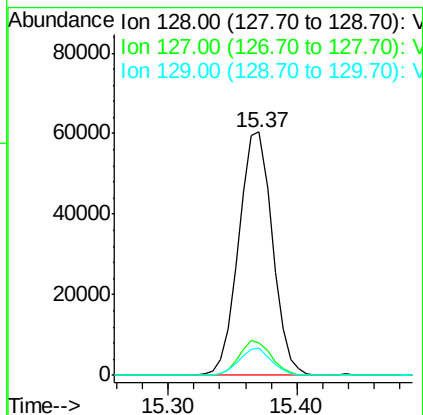
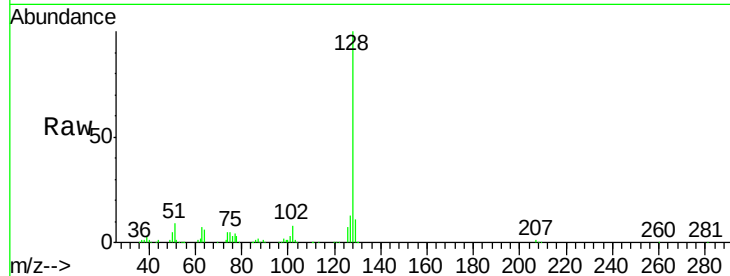
#95
Naphthalene
Concen: 18.683 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	109655		
127	13.6		10.7	16.1
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/26/2019 11:39:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.825 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012126.D
Acq: 23 Aug 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	55050		
182	96.5		47.1	141.3
145	32.5		16.2	48.5

