

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011510.D
 Acq On : 26 Jul 2019 11:57
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:31 AM

Quant Time: Jul 27 00:18:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162720	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	27908	10.38	ug/l	0.00
Spiked Amount			Recovery	=	20.76%	
35) Dibromofluoromethane	7.88	113	22117	10.32	ug/l	0.00
Spiked Amount			Recovery	=	20.64%	
50) Toluene-d8	10.32	98	89939	10.25	ug/l	0.00
Spiked Amount			Recovery	=	20.50%	
62) 4-Bromofluorobenzene	12.62	95	31887	10.19	ug/l	0.00
Spiked Amount			Recovery	=	20.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	13477	10.323	ug/l	99
3) Chloromethane	2.21	50	24220	10.699	ug/l	99
4) Vinyl Chloride	2.35	62	27926	10.246	ug/l	99
5) Bromomethane	2.77	94	15953	10.575	ug/l	83
6) Chloroethane	2.92	64	15549	9.987	ug/l	91
7) Trichlorofluoromethane	3.26	101	11524	9.461	ug/l	93
8) Diethyl Ether	3.68	74	13529	9.796	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23171	10.028	ug/l	99
10) Methyl Iodide	4.27	142	30901	9.463	ug/l	98
11) Tert butyl alcohol	5.16	59	11437	50.646	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	23815	9.762	ug/l	91
13) Acrolein	3.90	56	10131	52.490	ug/l	96
14) Allyl chloride	4.67	41	49961	9.628	ug/l	99
15) Acrylonitrile	5.36	53	32421	47.028	ug/l	98
16) Acetone	4.12	43	39147	45.751	ug/l	92
17) Carbon Disulfide	4.38	76	72839	9.539	ug/l	98
18) Methyl Acetate	4.67	43	17409	9.057	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	37467	9.678	ug/l	92
20) Methylene Chloride	4.92	84	31142	10.553	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	25523	9.704	ug/l	98
22) Diisopropyl ether	6.31	45	94005	9.609	ug/l	94
23) Vinyl Acetate	6.26	43	285383	46.425	ug/l	99
24) 1,1-Dichloroethane	6.21	63	50299	9.600	ug/l	99
25) 2-Butanone	7.17	43	52519	46.907	ug/l	98
26) 2,2-Dichloropropane	7.17	77	33244	10.317	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	27847	9.620	ug/l	95
28) Bromochloromethane	7.51	49	24653	10.601	ug/l	99
29) Tetrahydrofuran	7.53	42	30136	47.088	ug/l	100
30) Chloroform	7.67	83	46973	9.718	ug/l	100
31) Cyclohexane	7.95	56	50622	10.065	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	35664	9.688	ug/l	99
36) 1,1-Dichloropropene	8.08	75	38359	9.657	ug/l	98
37) Ethyl Acetate	7.26	43	21744	9.515	ug/l #	96
38) Carbon Tetrachloride	8.07	117	32805	9.648	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	42220	9.653	ug/l	97
40) Benzene	8.32	78	108052	9.712	ug/l	99
41) Methacrylonitrile	7.49	41	11780	8.624	ug/l	90
42) 1,2-Dichloroethane	8.40	62	34102	9.790	ug/l	99
43) Isopropyl Acetate	8.42	43	39361	9.366	ug/l	100
44) Trichloroethene	9.09	130	25779	9.640	ug/l	96
45) 1,2-Dichloropropane	9.37	63	28452	9.558	ug/l	99
46) Dibromomethane	9.46	93	13055	9.608	ug/l	99
47) Bromodichloromethane	9.65	83	33414	9.375	ug/l	99
48) Methyl methacrylate	9.44	41	17935	8.884	ug/l	95
49) 1,4-Dioxane	9.45	88	3813	193.816	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	102733	46.996	ug/l	99
52) Toluene	10.39	92	64386	9.583	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	33468	8.989	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	40783	9.213	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	18083	9.380	ug/l	96
56) Ethyl methacrylate	10.65	69	25284	8.963	ug/l	97
57) 1,3-Dichloropropane	10.93	76	34209	9.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	69396	54.180	ug/l	99
59) 2-Hexanone	10.97	43	69674	45.141	ug/l	100
60) Dibromochloromethane	11.13	129	19563	9.142	ug/l	98
61) 1,2-Dibromoethane	11.23	107	17624	9.660	ug/l	99
64) Tetrachloroethene	10.86	164	21568	9.861	ug/l	93
65) Chlorobenzene	11.66	112	65286	9.667	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	21902	9.310	ug/l	98
67) Ethyl Benzene	11.73	91	121567	9.451	ug/l	100
68) m/p-Xylenes	11.84	106	89654	19.166	ug/l	100
69) o-Xylene	12.16	106	41451	9.536	ug/l	99
70) Styrene	12.18	104	70999	9.447	ug/l	99
71) Bromoform	12.35	173	10769	8.978	ug/l #	99
73) Isopropylbenzene	12.46	105	115201	9.490	ug/l	100
74) N-amyl acetate	12.27	43	33989	8.943	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	21660	9.486	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	15500m	8.973	ug/l	
77) Bromobenzene	12.75	156	25453	9.486	ug/l	99
78) n-propylbenzene	12.80	91	140147	9.486	ug/l	99
79) 2-Chlorotoluene	12.89	91	82108	9.647	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	98112	9.642	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	6928	9.273	ug/l	97
82) 4-Chlorotoluene	12.99	91	86681	9.707	ug/l	99
83) tert-Butylbenzene	13.21	119	81240	9.547	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	97087	9.471	ug/l	99
85) sec-Butylbenzene	13.38	105	116432	9.589	ug/l	99
86) p-Isopropyltoluene	13.50	119	105778	9.602	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	51073	9.708	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	51079	9.760	ug/l	97
89) n-Butylbenzene	13.82	91	103842	9.445	ug/l	99
90) Hexachloroethane	14.09	117	17643	9.057	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	45051	9.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3545	9.104	ug/l	97

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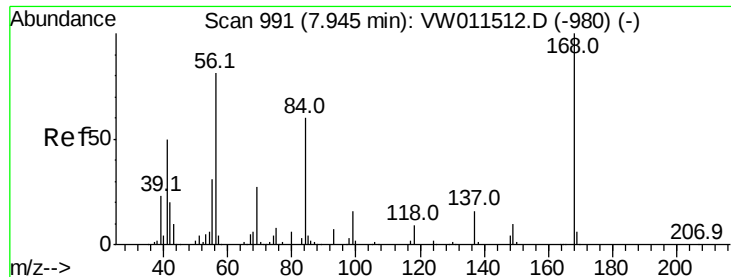
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	30074	9.171	ug/l	99
94) Hexachlorobutadiene	15.24	225	19951	9.755	ug/l	97
95) Naphthalene	15.37	128	49438	8.503	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	26956	9.377	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 234255

Ion Ratio Lower Upper

168 100

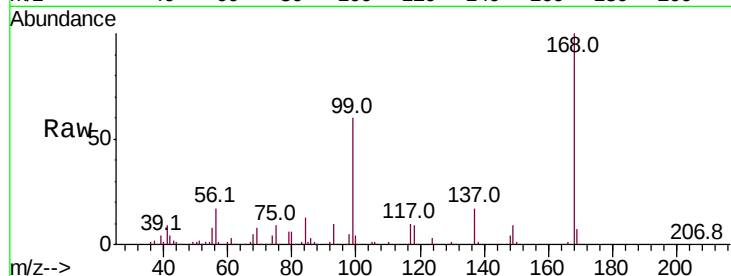
99 59.7 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

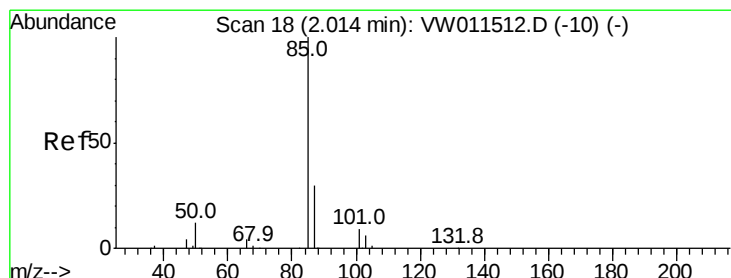
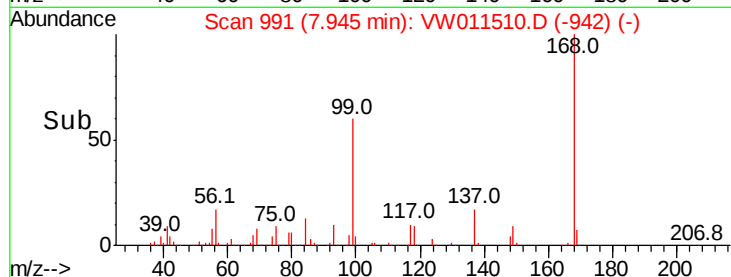
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 10.323 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011510.D

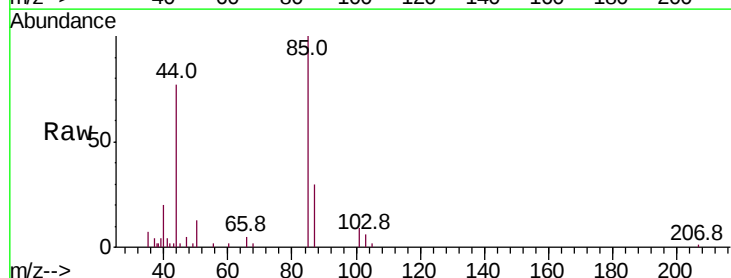
Acq: 26 Jul 2019 11:57

Tgt Ion: 85 Resp: 13477

Ion Ratio Lower Upper

85 100

87 30.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

5000

4000

3000

2000

1000

0

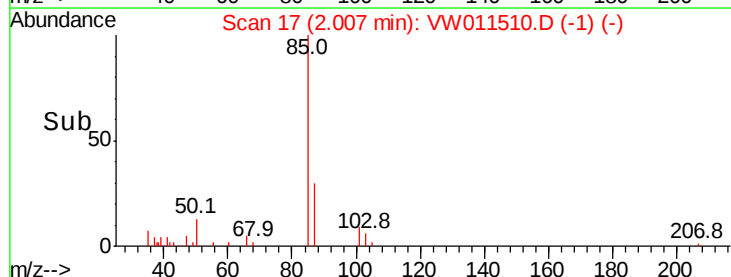
1.90

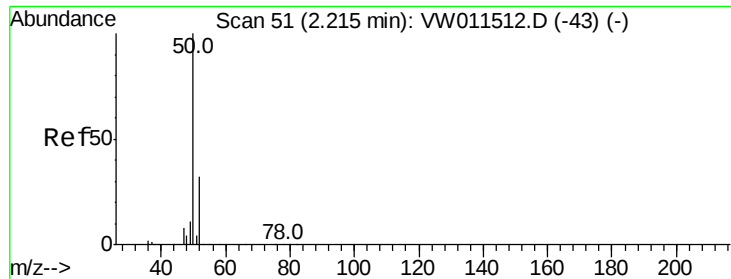
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 10.699 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 24220

Ion Ratio Lower Upper

50 100

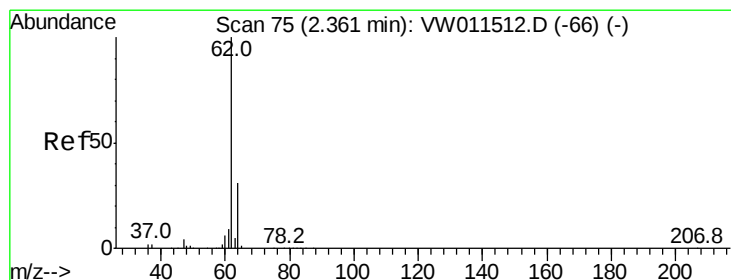
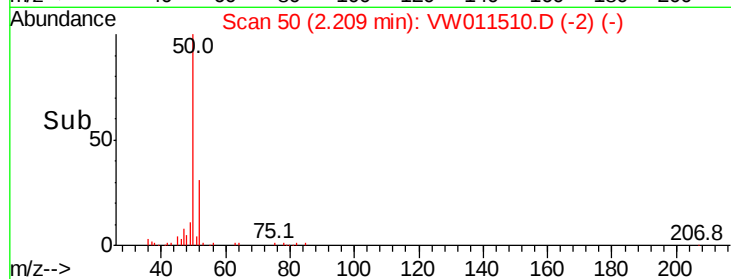
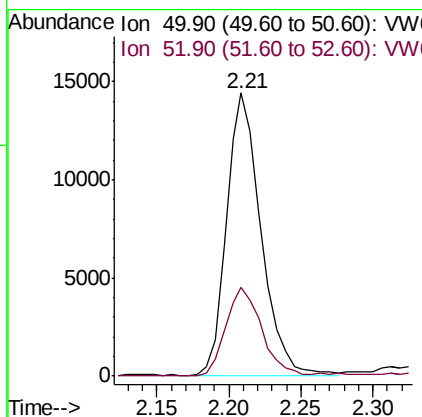
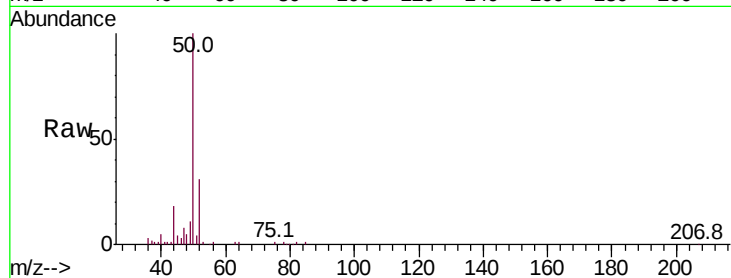
52 31.3 25.4 38.2

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#4

Vinyl Chloride

Concen: 10.246 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011510.D

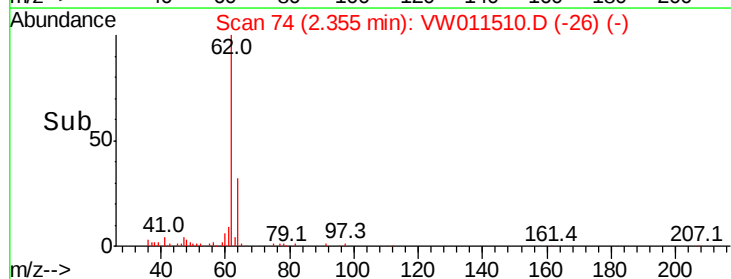
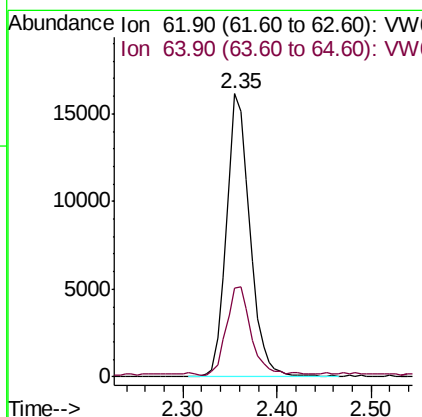
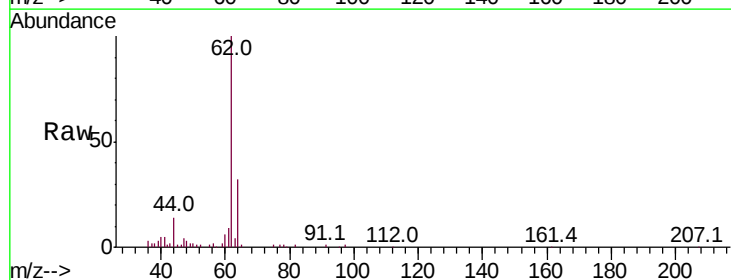
Acq: 26 Jul 2019 11:57

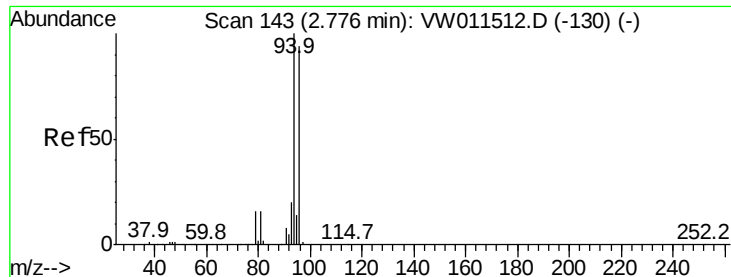
Tgt Ion: 62 Resp: 27926

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 10.575 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 15953

Ion Ratio Lower Upper

94 100

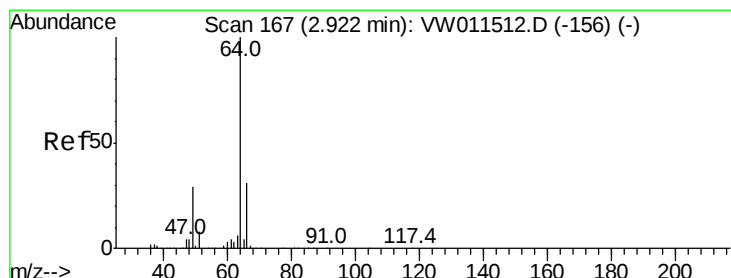
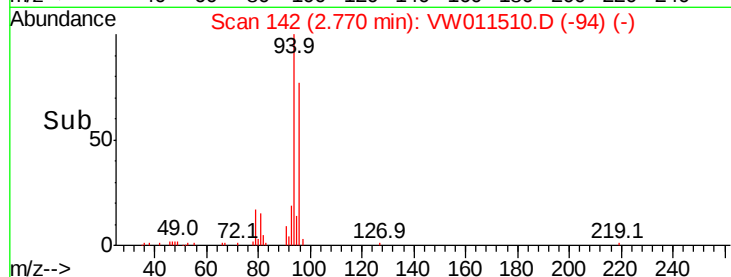
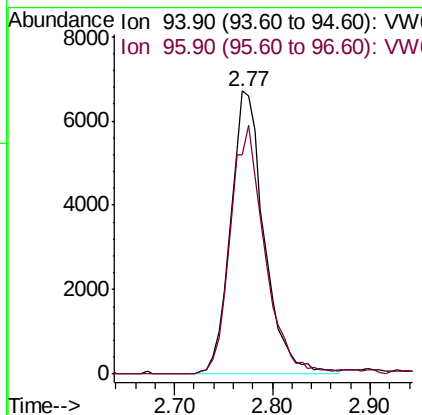
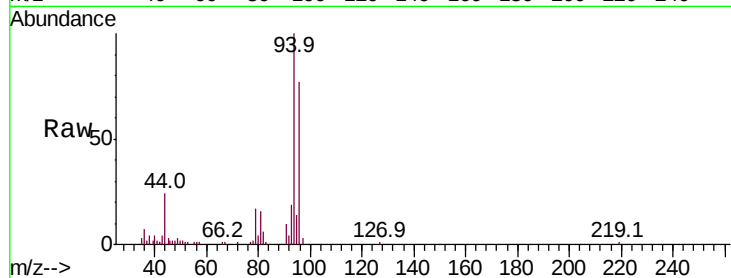
96 77.3 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 9.987 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011510.D

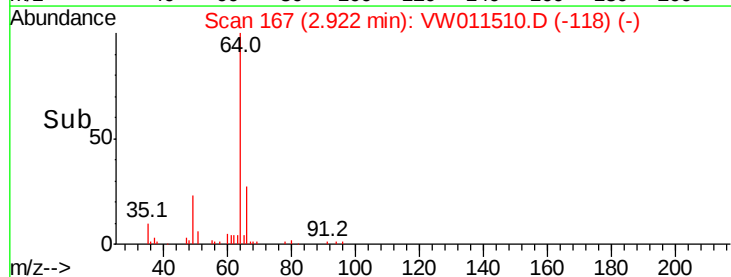
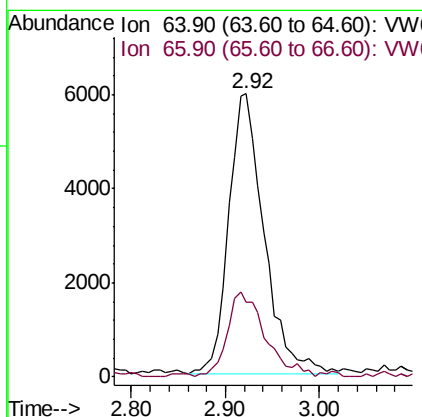
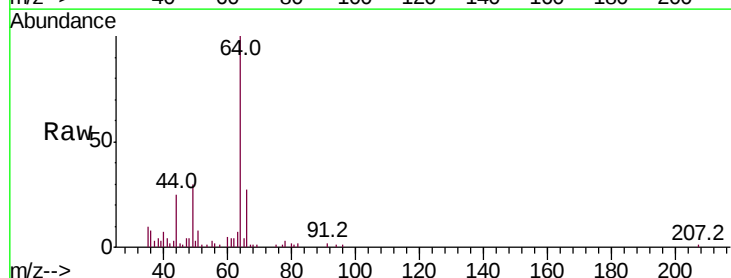
Acq: 26 Jul 2019 11:57

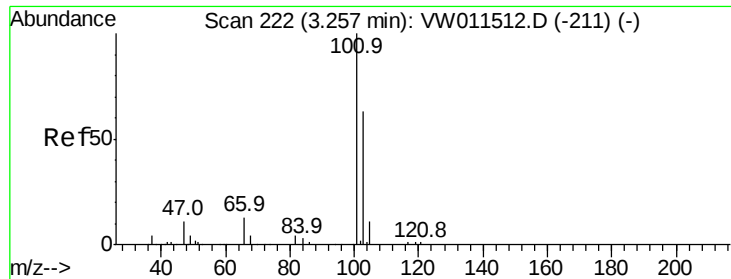
Tgt Ion: 64 Resp: 15549

Ion Ratio Lower Upper

64 100

66 25.8 24.6 36.8





#7

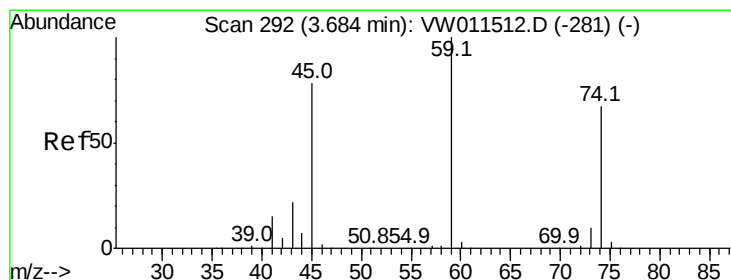
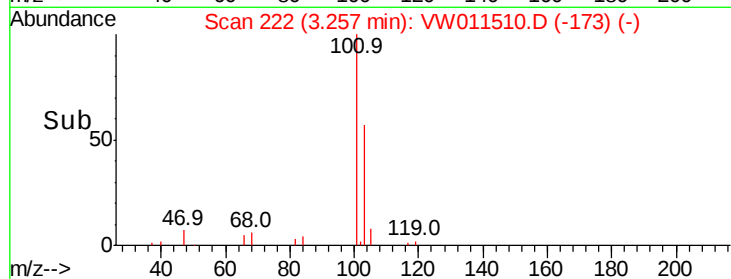
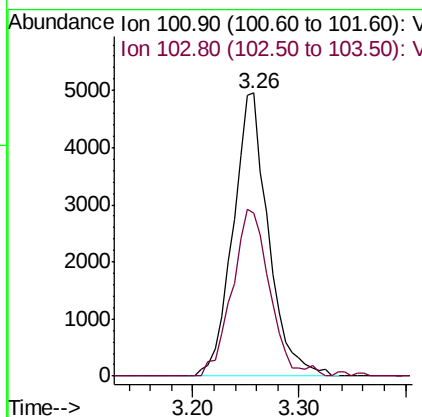
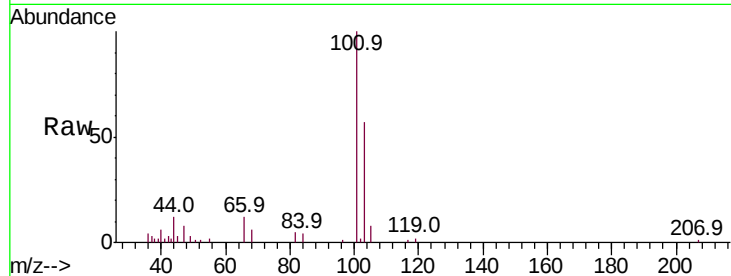
Trichlorofluoromethane
 Concen: 9.461 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	57.5	50.2	75.4

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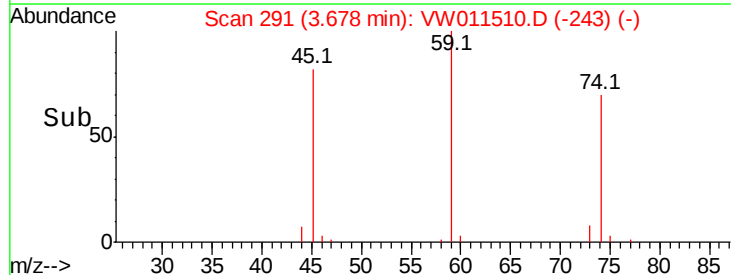
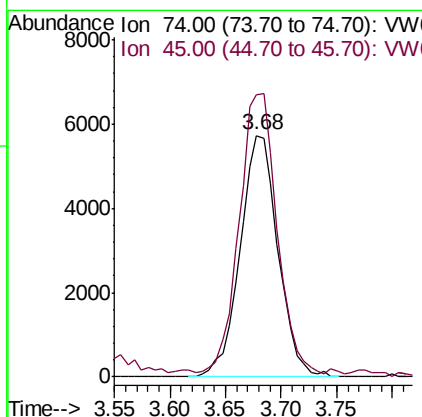
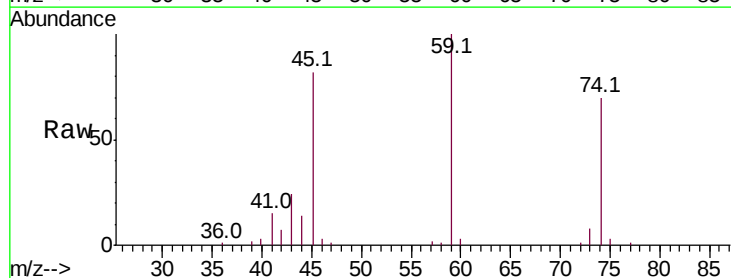
MMDadoda
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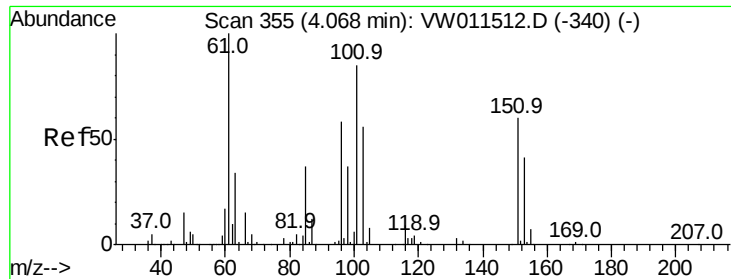


#8

Diethyl Ether
 Concen: 9.796 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.6	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.028 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

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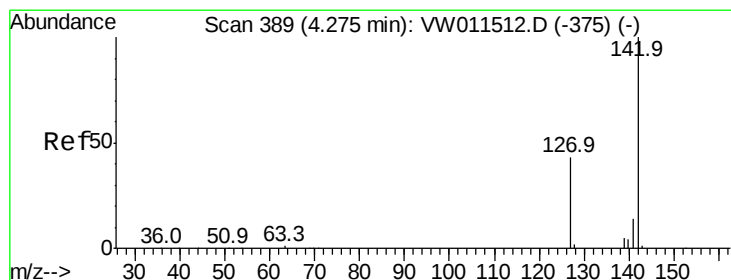
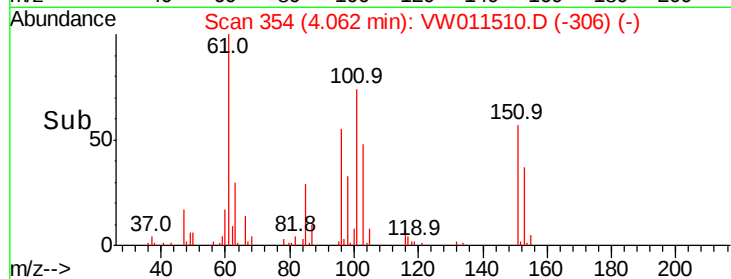
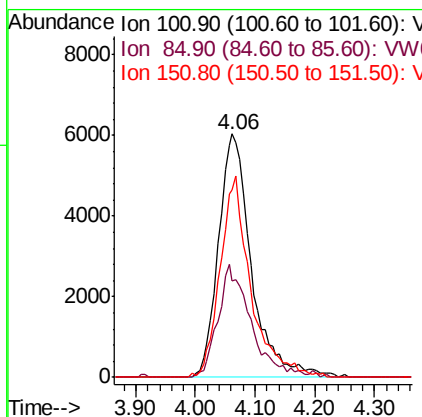
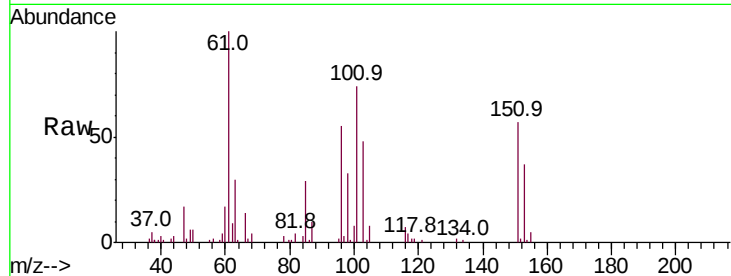
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	23171
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.6	54.8
151	76.7	60.2	90.2

Manual Integrations
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7/29/2019 9:17:31 AM



#10

Methyl Iodide

Concen: 9.463 ug/l

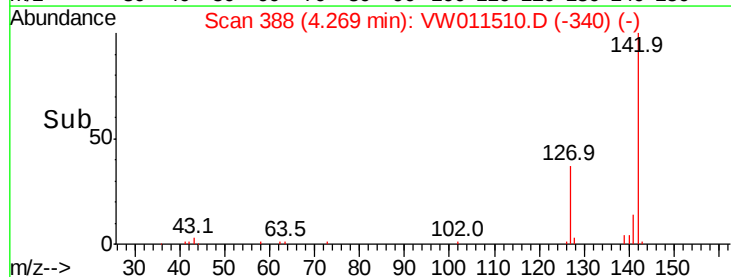
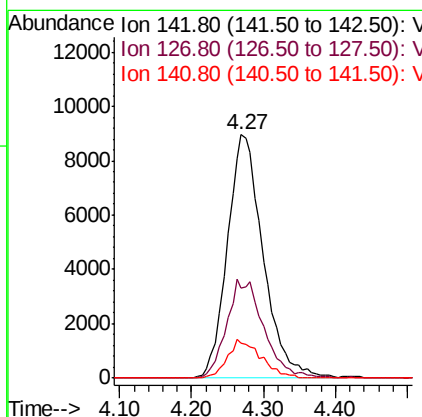
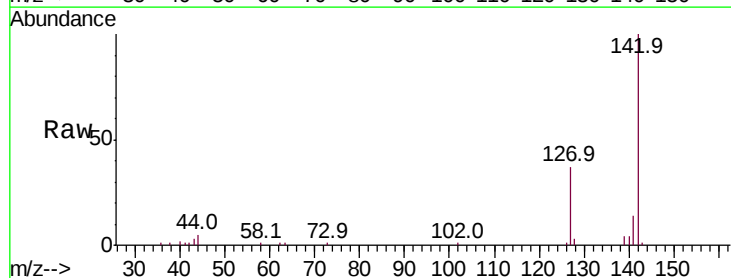
RT: 4.27 min Scan# 388

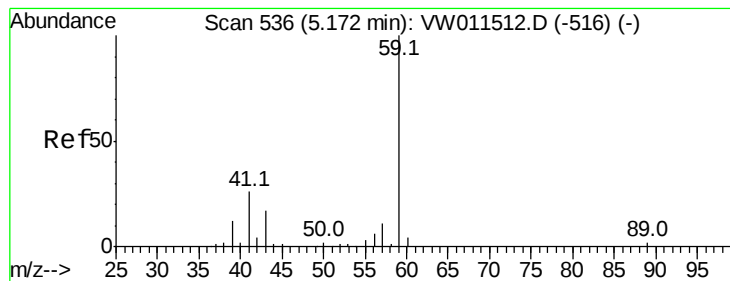
Delta R.T. -0.01 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Tgt Ion:	142	Resp:	30901
Ion Ratio	Lower	Upper	
142	100		
127	41.7	35.0	52.6
141	14.9	11.9	17.9





#11

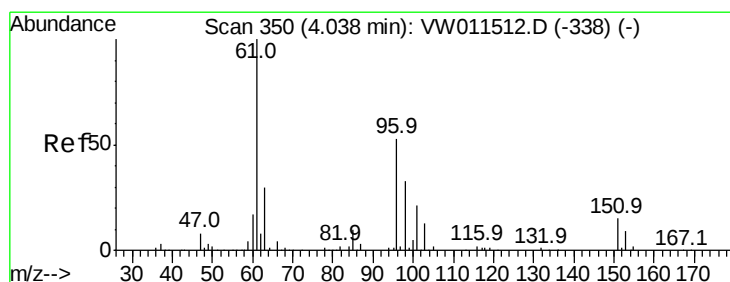
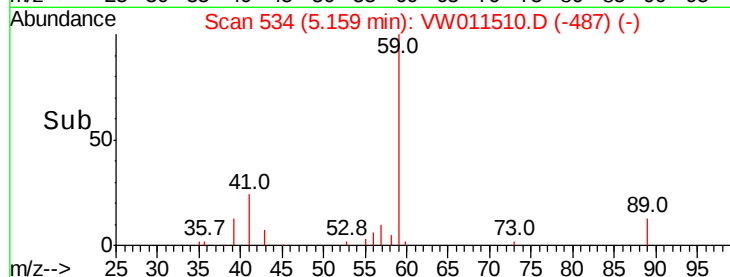
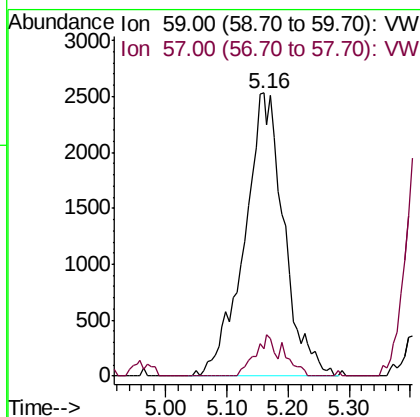
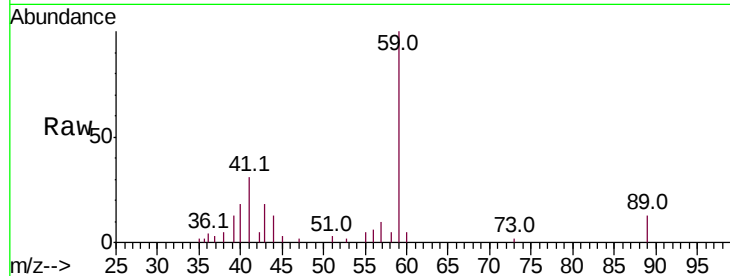
Tert butyl alcohol
 Concen: 50.646 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	59	Ratio	100	Resp	11437
Ion	59	100		Lower	Upper
	57	7.2		8.5	12.7#

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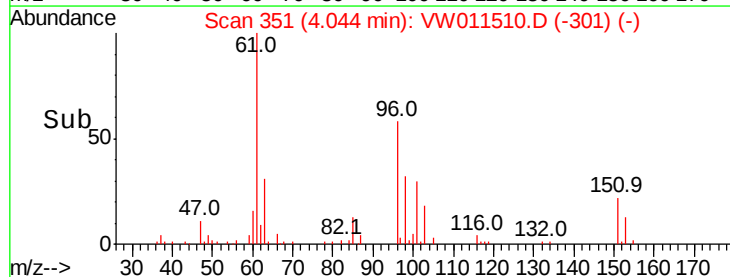
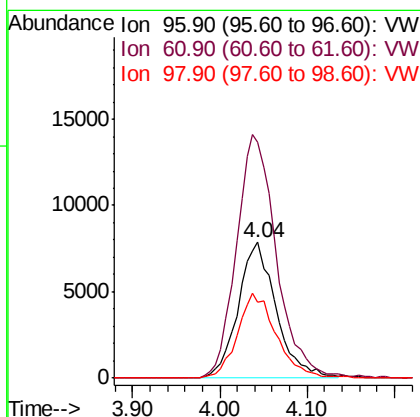
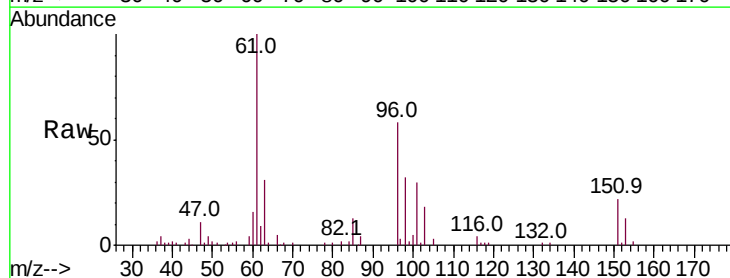
MMDadoda
 7/29/2019 9:17:31 AM

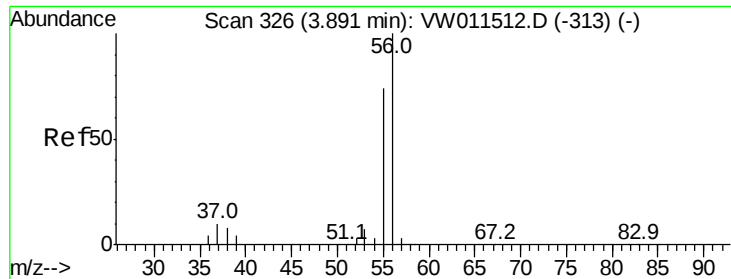


#12

1,1-Dichloroethene
 Concen: 9.762 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion	96	Ratio	100	Resp	23815
Ion	96	100		Lower	Upper
	61	173.7		149.9	224.9
	98	55.9		49.1	73.7





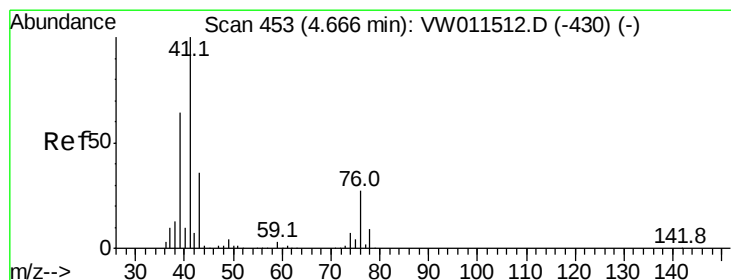
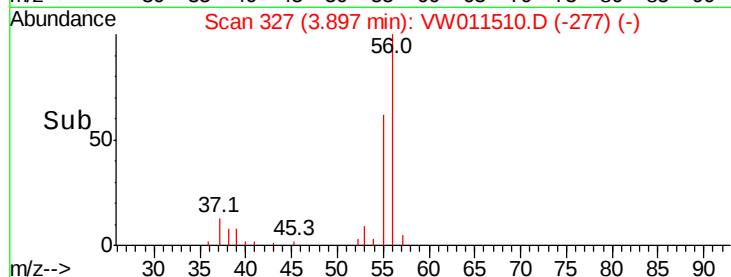
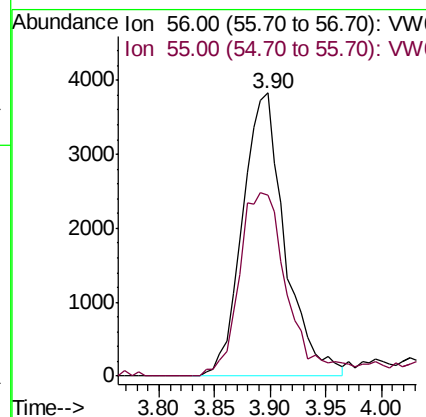
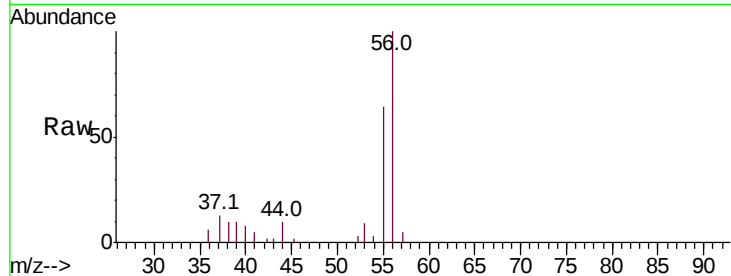
#13
Acrolein
Concen: 52.490 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.4	56.0	84.0

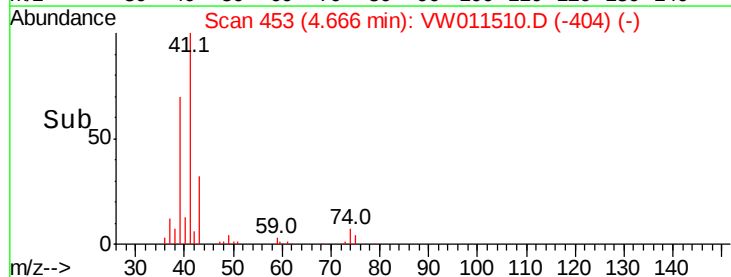
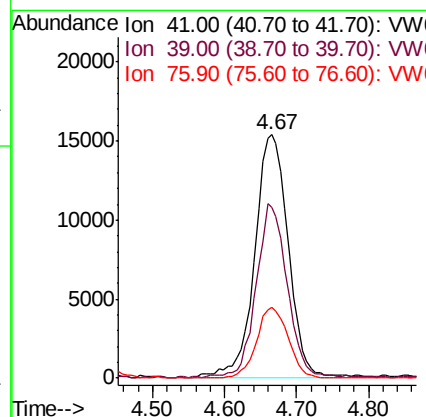
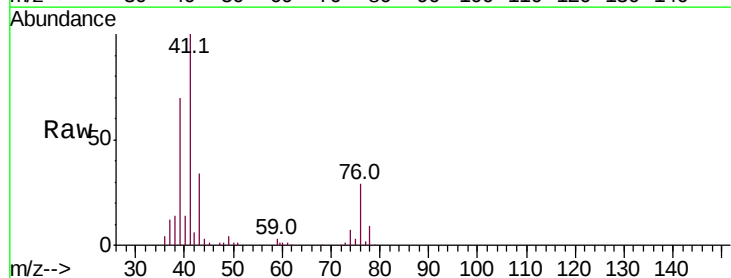
Manual Integrations
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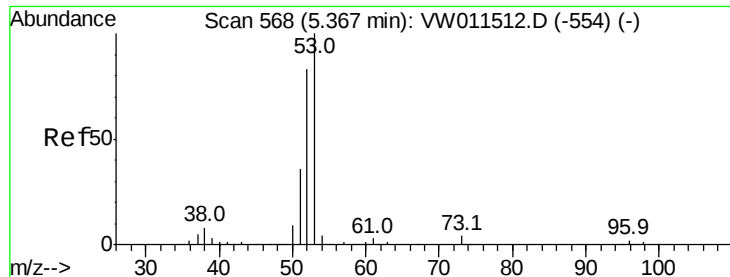
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#14
Allyl chloride
Concen: 9.628 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.0	52.6	78.8
76	27.3	22.0	33.0





#15

Acrylonitrile

Concen: 47.028 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

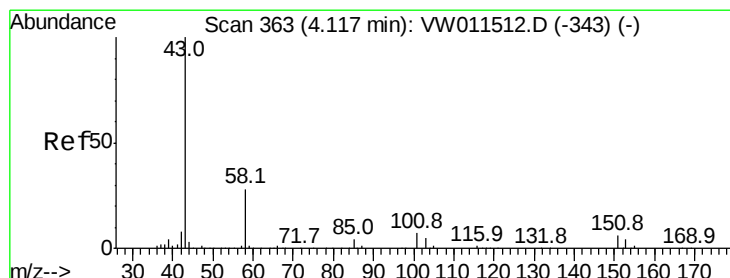
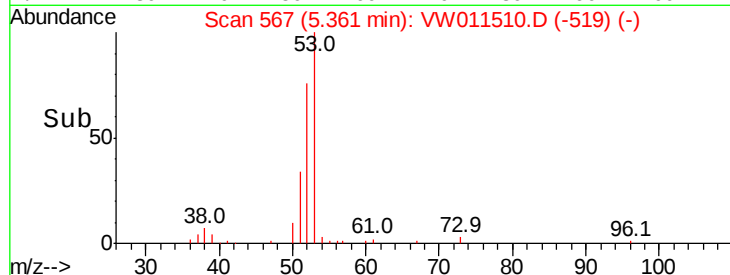
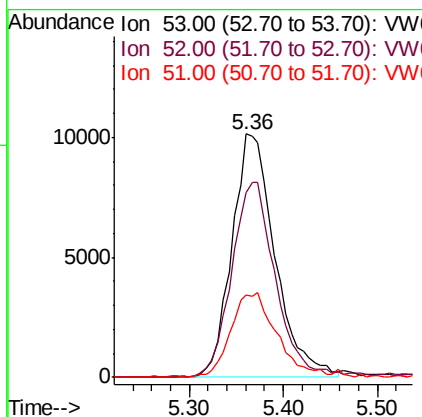
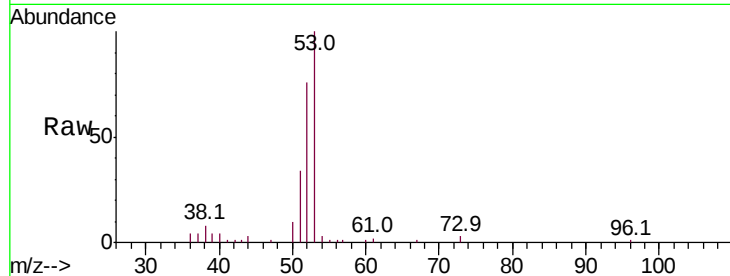
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	32421
Ion	Ratio	Lower	Upper
53	100		
52	81.7	67.2	100.8
51	37.0	30.0	45.0

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#16

Acetone

Concen: 45.751 ug/l

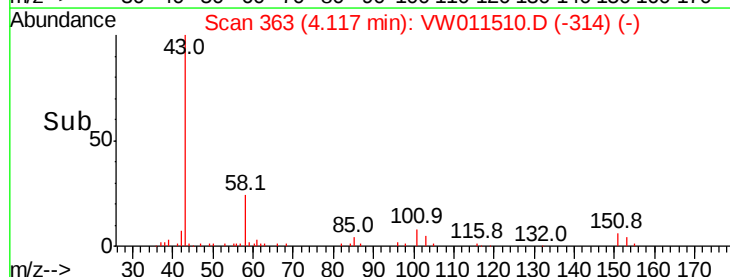
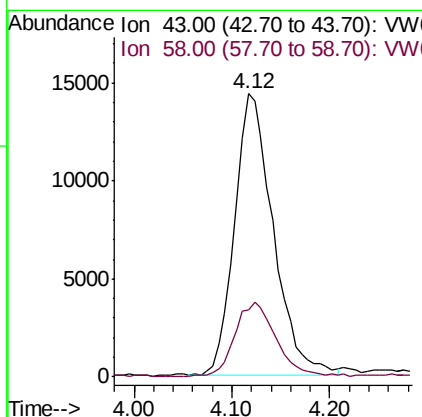
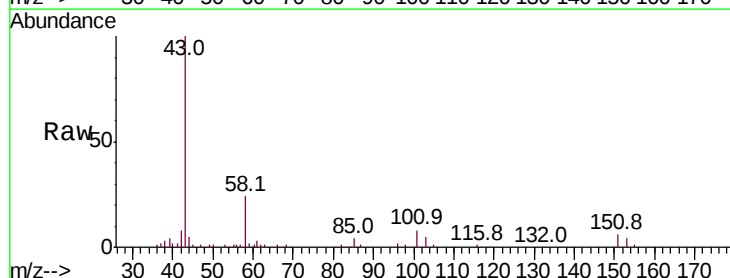
RT: 4.12 min Scan# 363

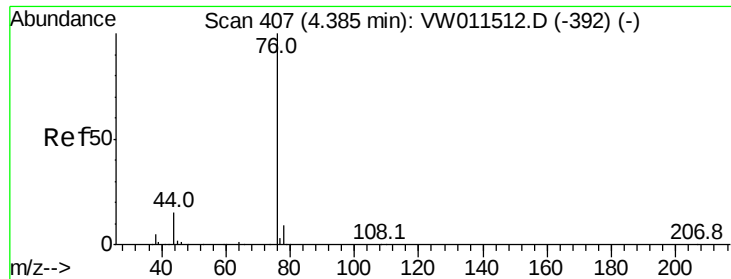
Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Tgt Ion:	43	Resp:	39147
Ion	Ratio	Lower	Upper
43	100		
58	23.7	22.3	33.5





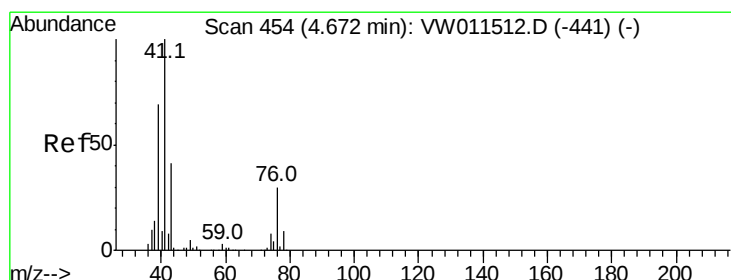
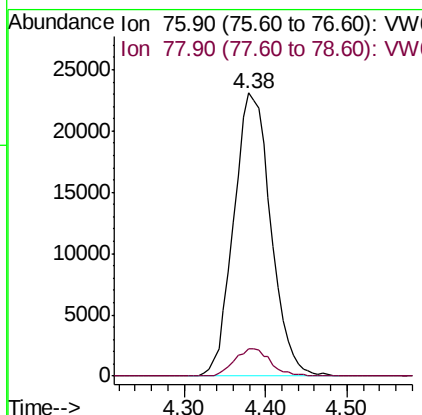
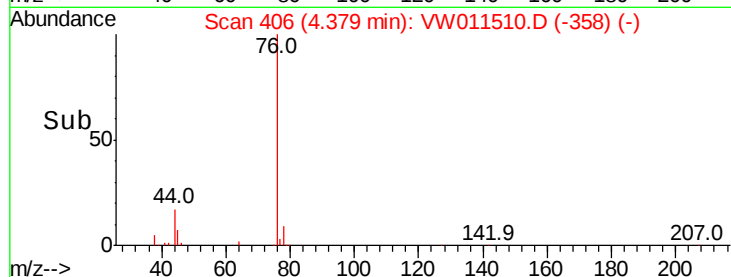
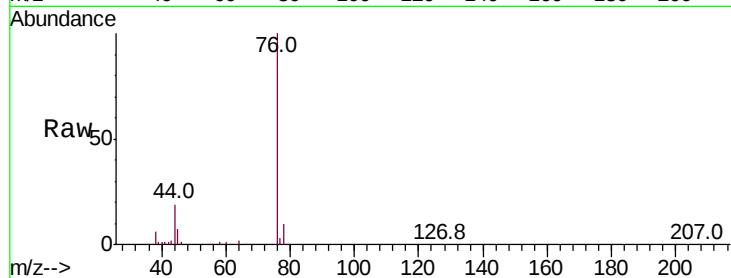
#17
Carbon Disulfide
Concen: 9.539 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 72839
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

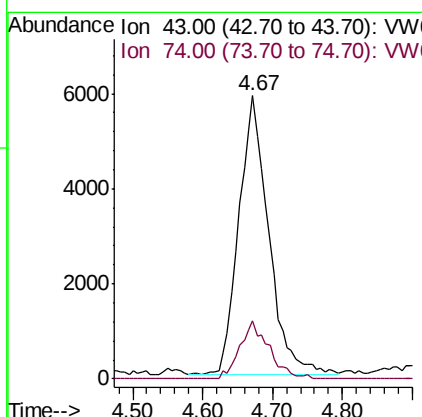
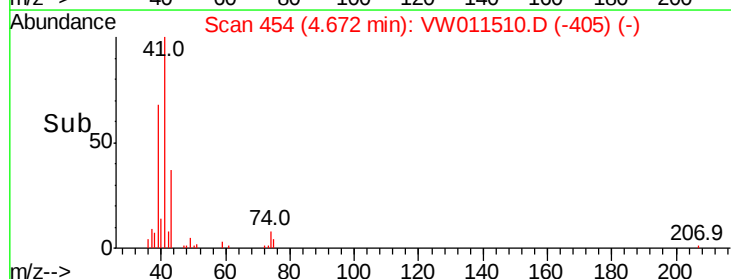
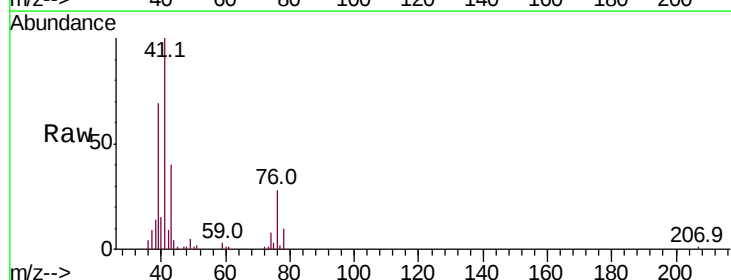
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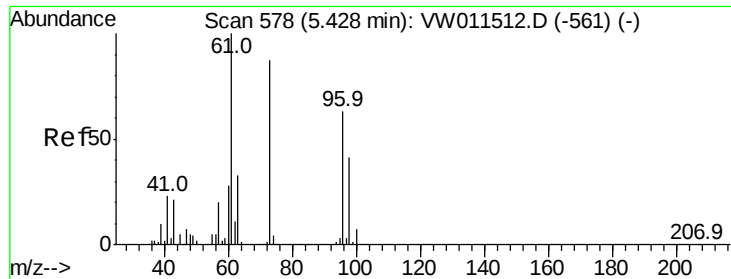
MMDadoda
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#18
Methyl Acetate
Concen: 9.057 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion: 43 Resp: 17409
Ion Ratio Lower Upper
43 100
74 20.3 15.9 23.9





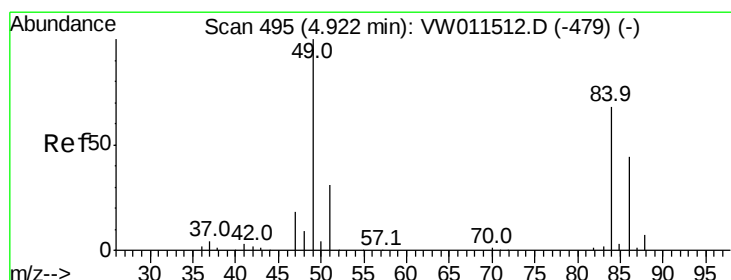
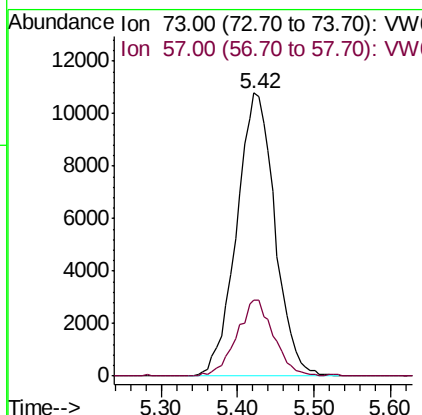
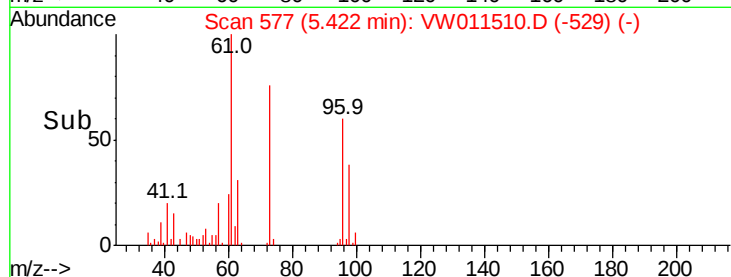
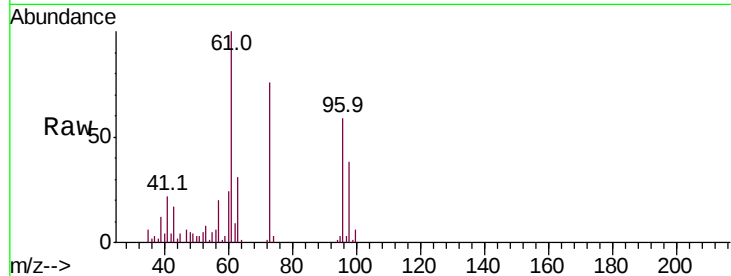
#19
Methyl tert-butyl Ether
Concen: 9.678 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 73 Resp: 37467
Ion Ratio Lower Upper
73 100
57 26.7 18.4 27.6

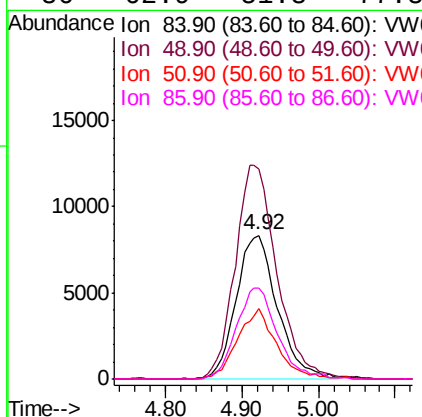
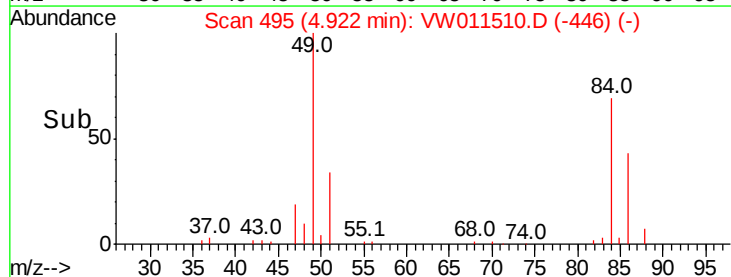
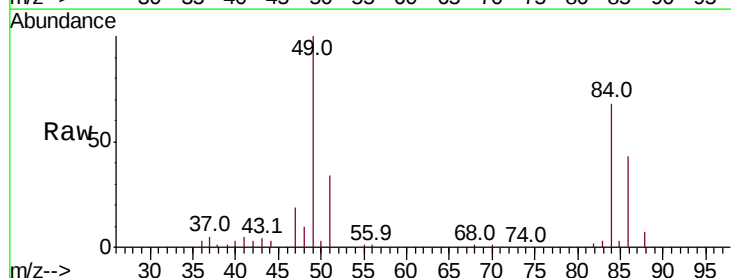
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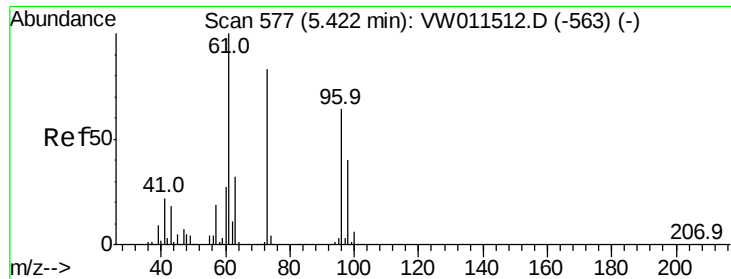
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#20
Methylene Chloride
Concen: 10.553 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion: 84 Resp: 31142
Ion Ratio Lower Upper
84 100
49 146.3 117.8 176.6
51 49.1 37.0 55.4
86 62.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 9.704 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

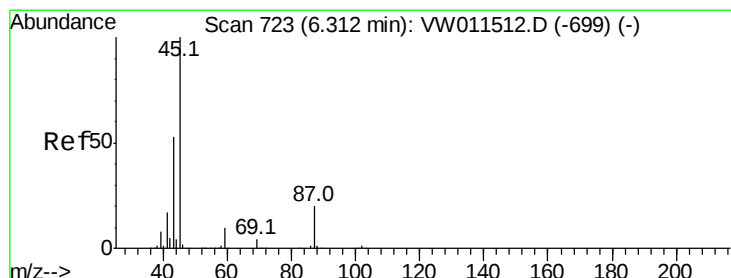
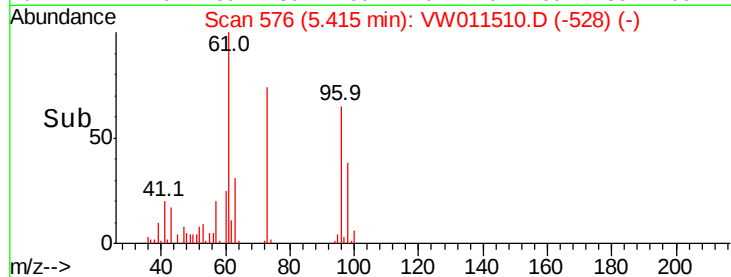
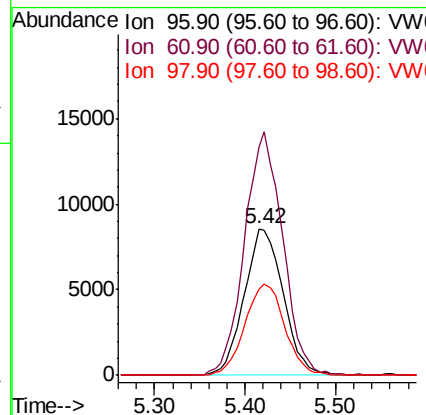
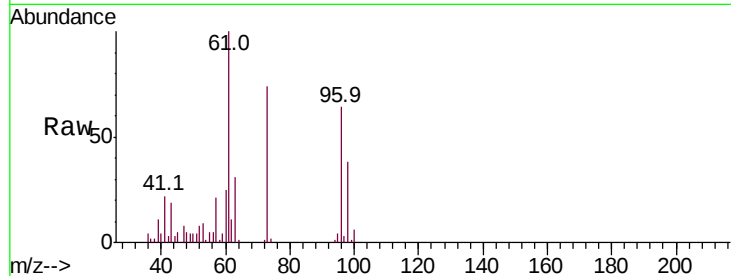
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	25523
Ion	Ratio	Lower	Upper
96	100		
61	155.8	125.7	188.5
98	59.1	50.3	75.5

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#22

Diisopropyl ether

Concen: 9.609 ug/l

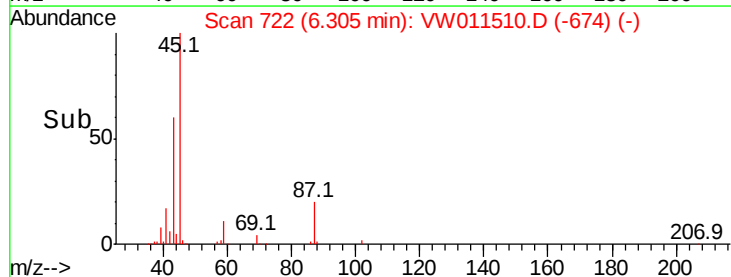
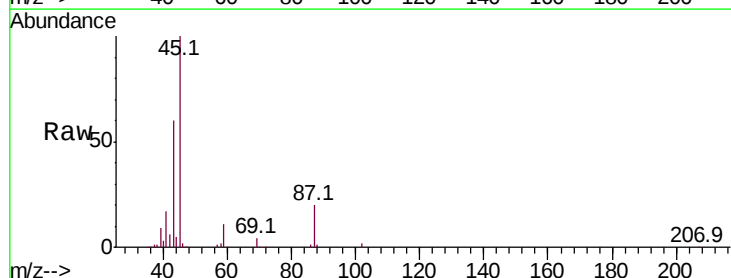
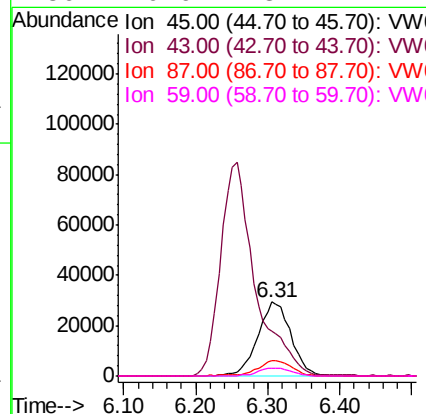
RT: 6.31 min Scan# 722

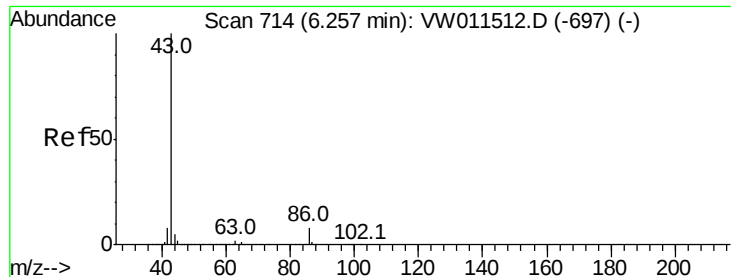
Delta R.T. -0.01 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Tgt Ion:	45	Resp:	94005
Ion	Ratio	Lower	Upper
45	100		
43	59.5	42.6	63.8
87	20.0	16.4	24.6
59	10.9	8.2	12.2





#23

Vinyl Acetate

Concen: 46.425 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 285383

Ion Ratio Lower Upper

43 100

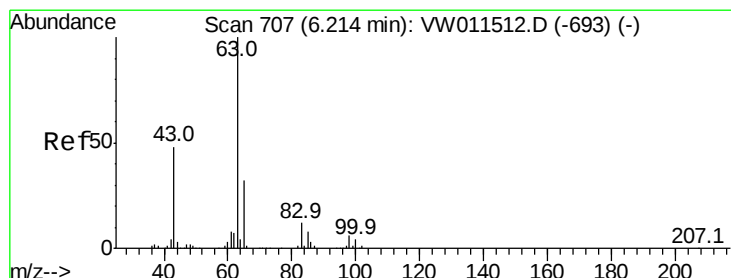
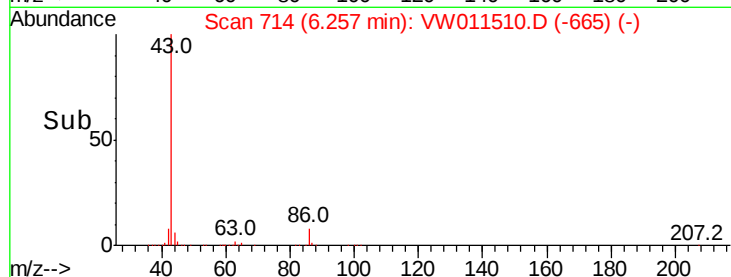
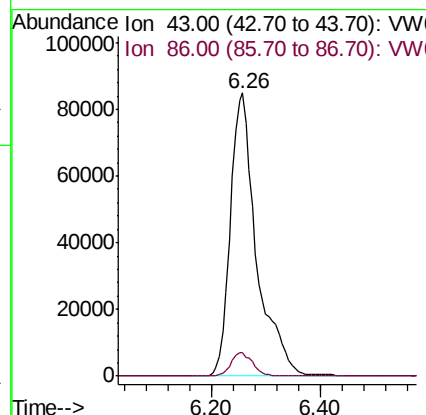
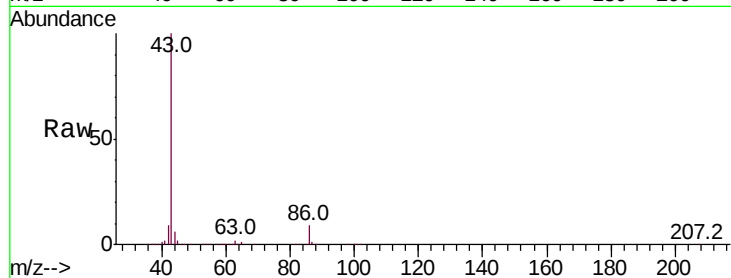
86 8.5 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 9.600 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

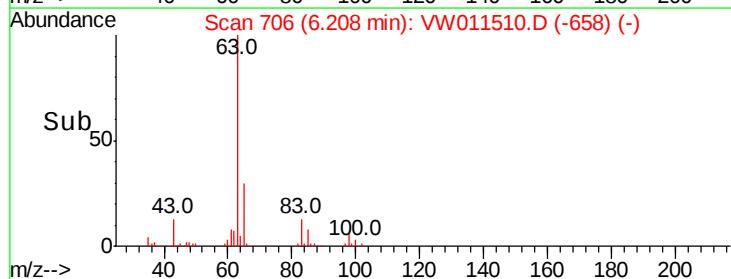
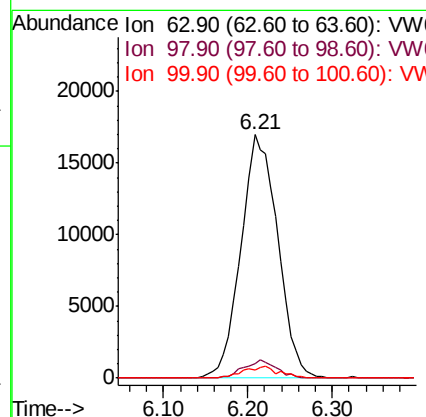
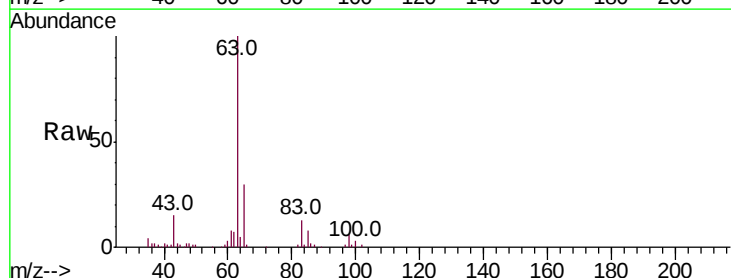
Tgt Ion: 63 Resp: 50299

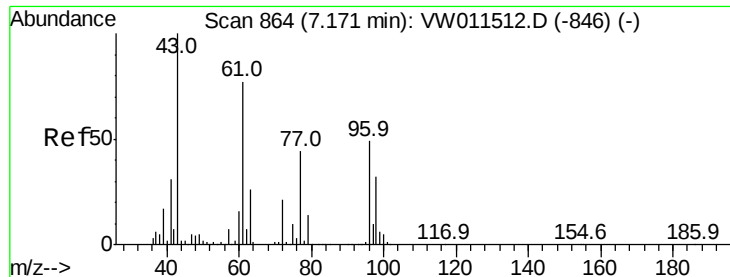
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 3.5 2.1 6.3





#25

2-Butanone

Concen: 46.907 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 52519

Ion Ratio Lower Upper

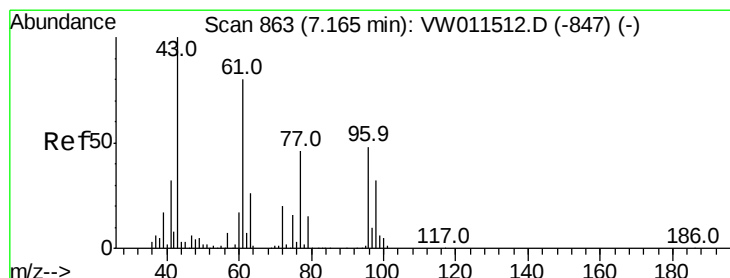
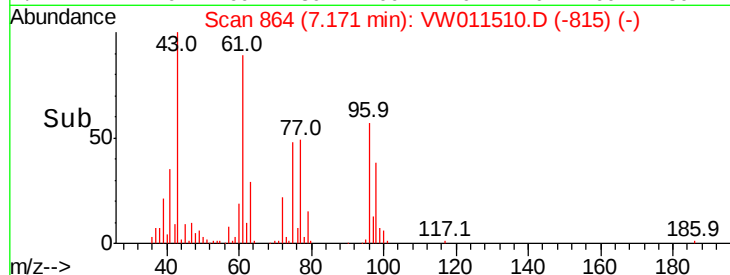
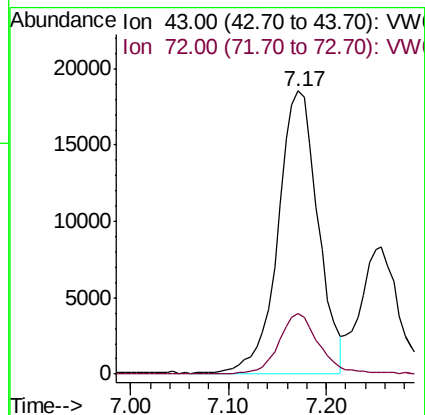
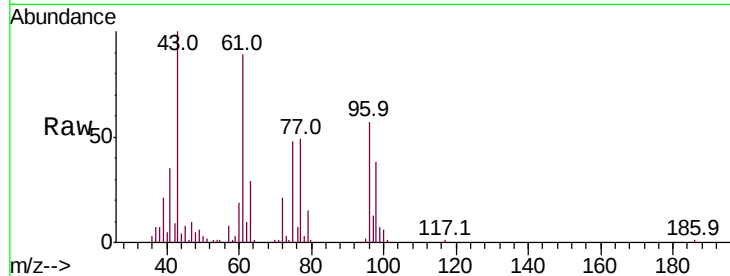
43 100

72 21.5 16.6 24.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 10.317 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011510.D

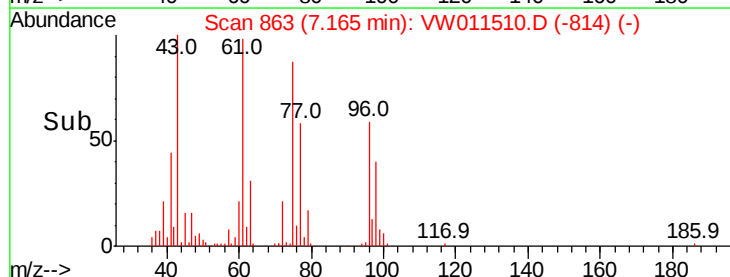
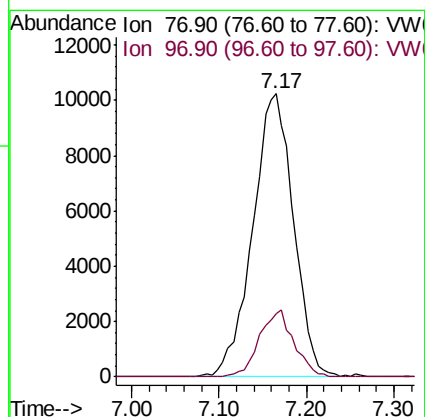
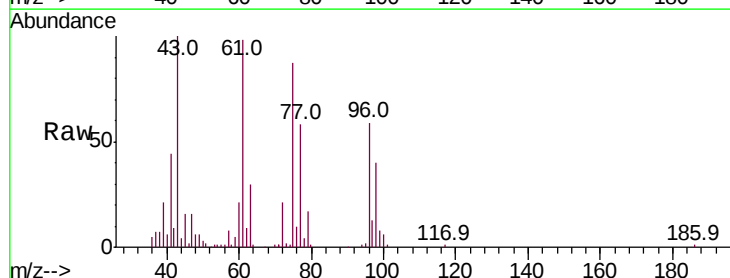
Acq: 26 Jul 2019 11:57

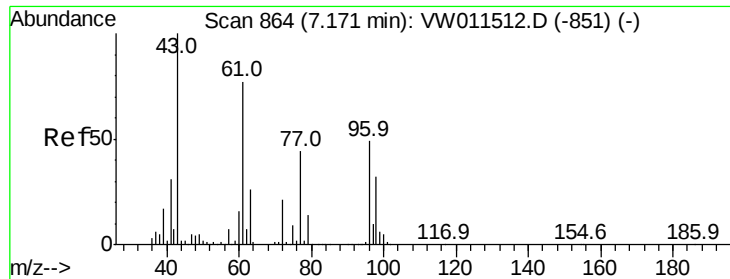
Tgt Ion: 77 Resp: 33244

Ion Ratio Lower Upper

77 100

97 19.8 10.8 32.4





#27

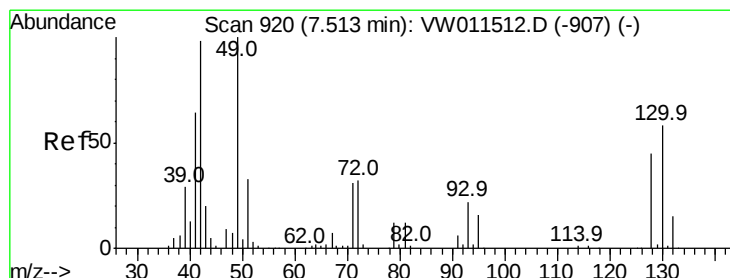
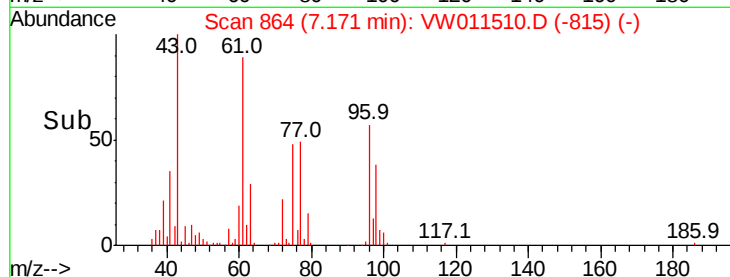
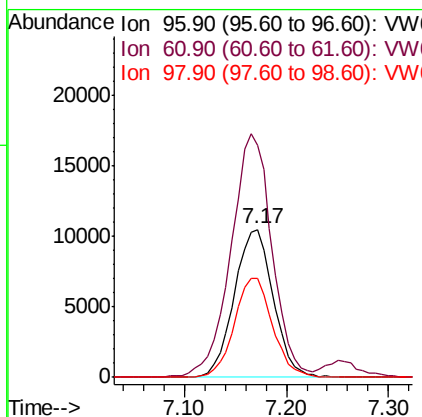
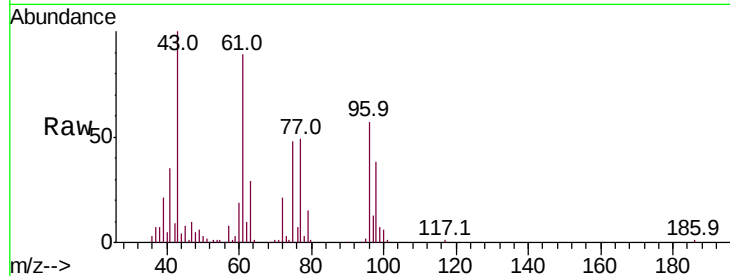
cis-1,2-Dichloroethene
Concen: 9.620 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.1	0.0	328.4
98	65.8	0.0	128.8

Manual Integrations
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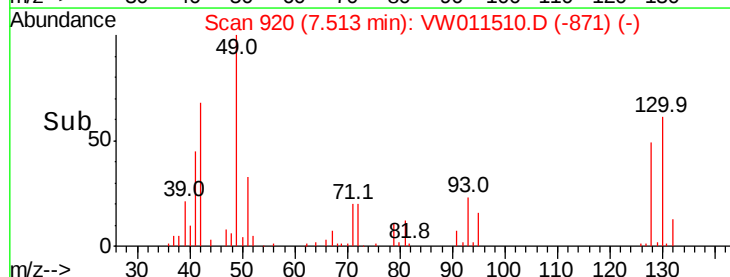
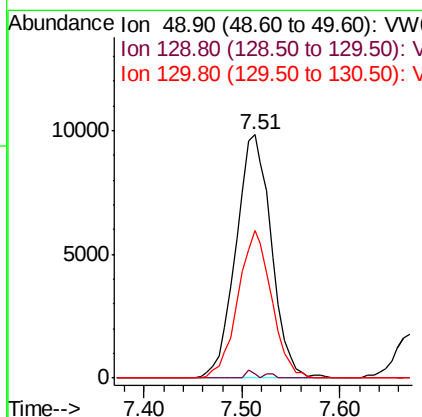
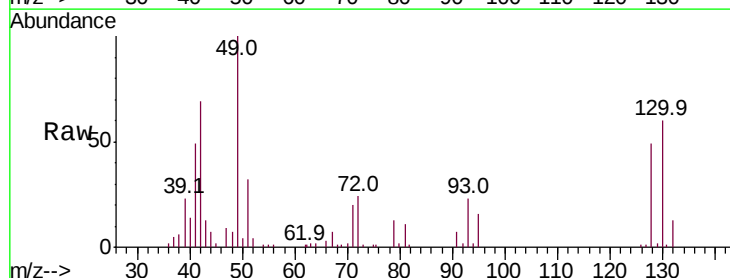
MMDadoda
7/29/2019 9:17:31 AM

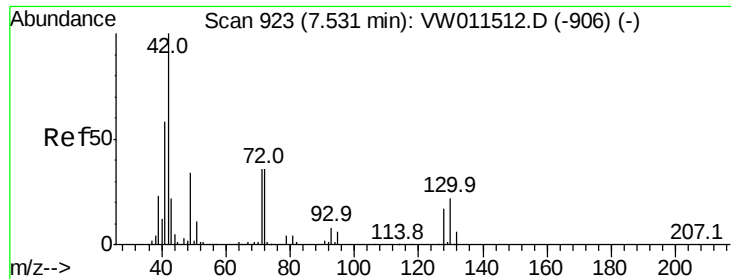


#28

Bromochloromethane
Concen: 10.601 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	57.5	46.3	69.5





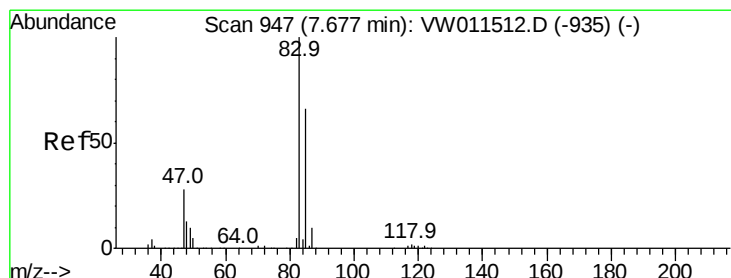
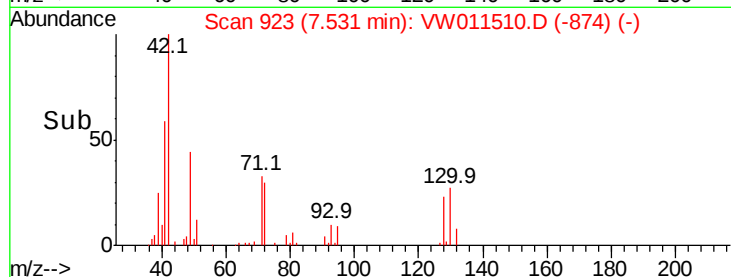
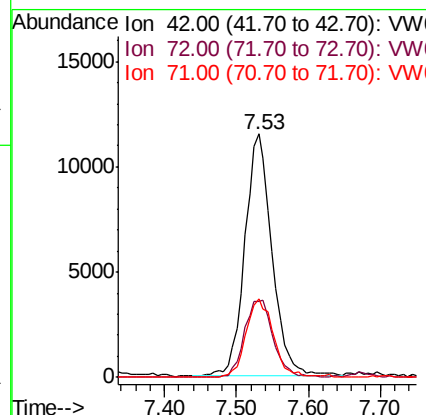
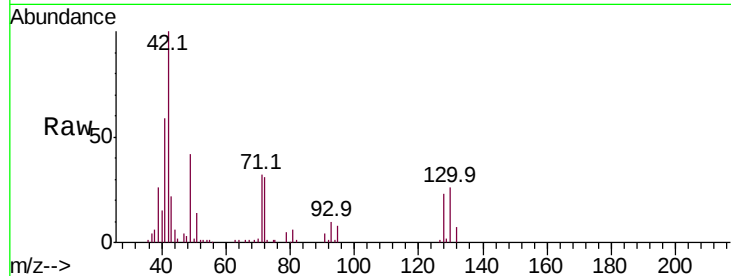
#29
Tetrahydrofuran
Concen: 47.088 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	27.1	40.7
71	32.4	26.2	39.4

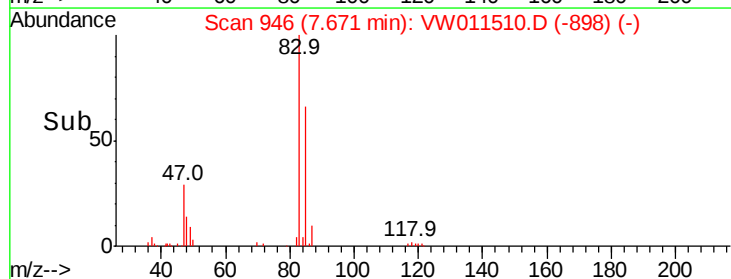
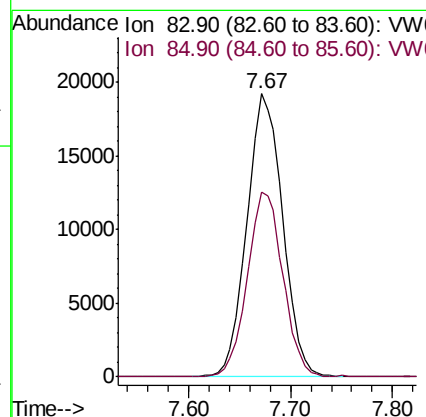
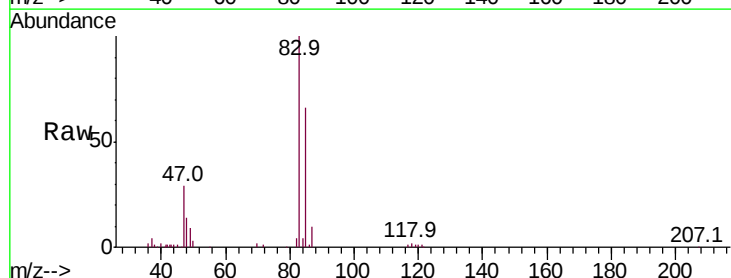
Manual Integrations
APPROVED

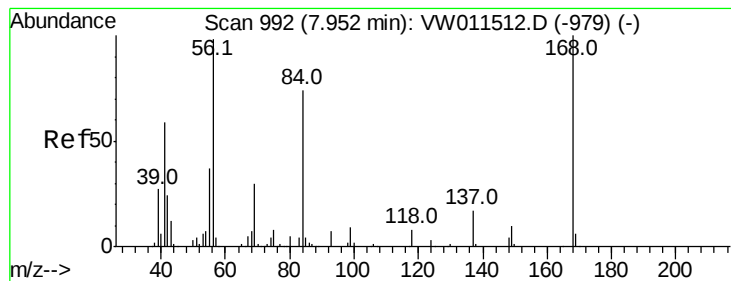
MMDadoda
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#30
Chloroform
Concen: 9.718 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.5	78.7





#31

Cyclohexane

Concen: 10.065 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

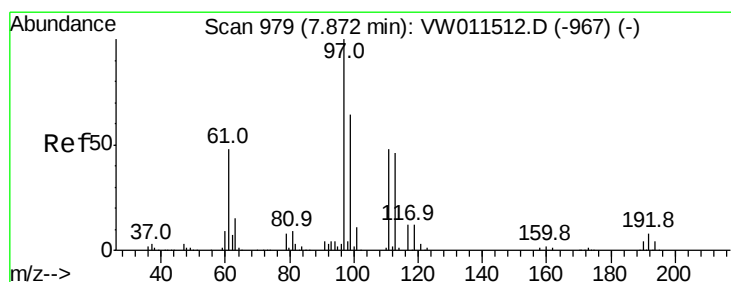
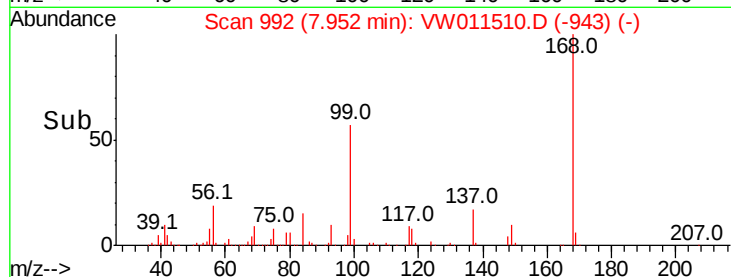
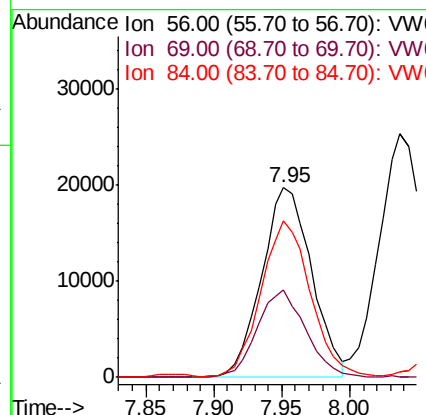
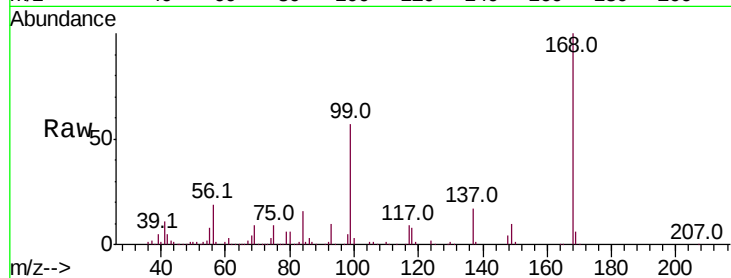
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	50622
Ion Ratio	Lower	Upper	
56	100		
69	45.6	24.3	36.5#
84	82.1	60.4	90.6

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#32

1,1,1-Trichloroethane

Concen: 9.688 ug/l

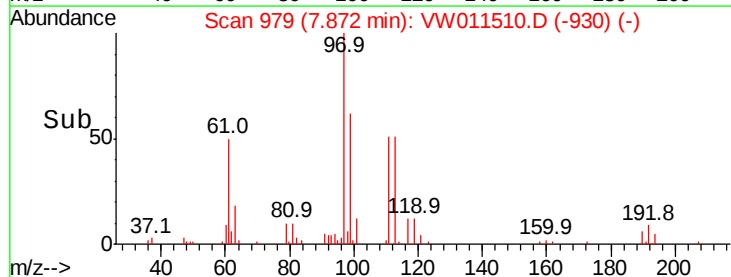
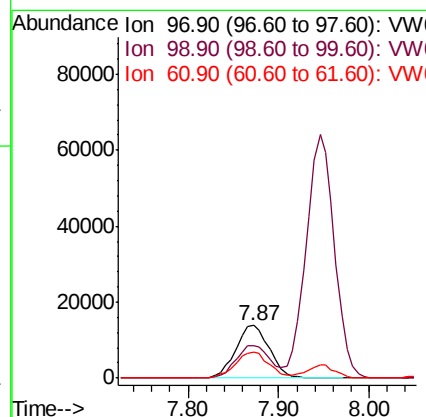
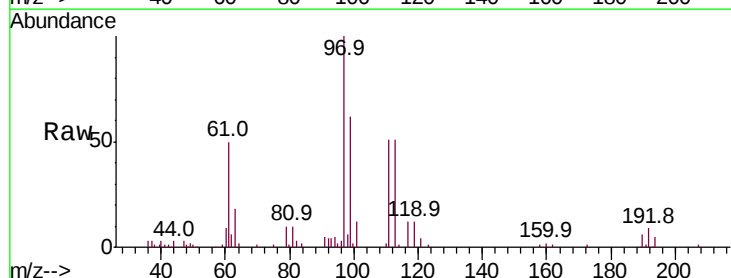
RT: 7.87 min Scan# 979

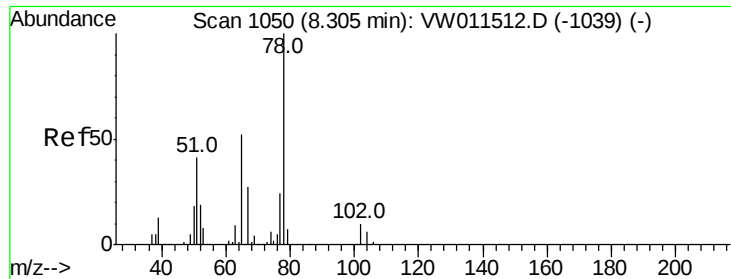
Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Tgt Ion:	97	Resp:	35664
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.0	76.6
61	50.1	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 10.375 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 27908

Ion Ratio Lower Upper

65 100

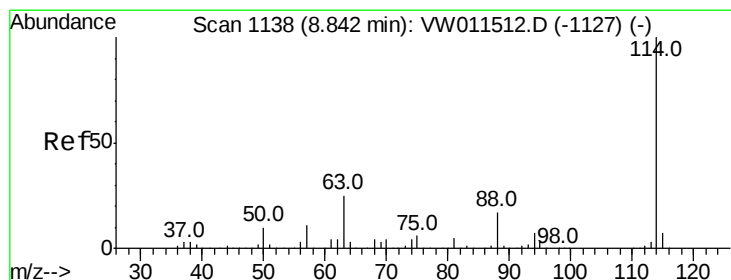
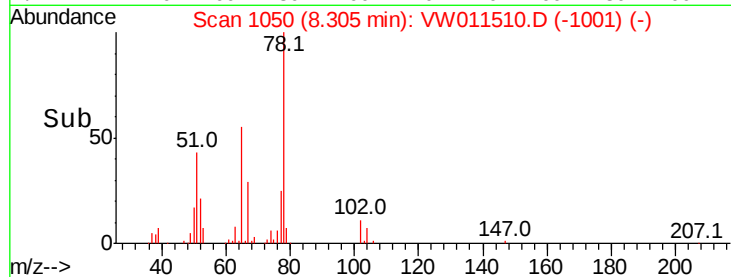
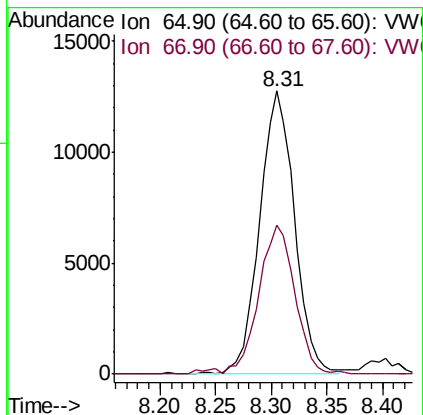
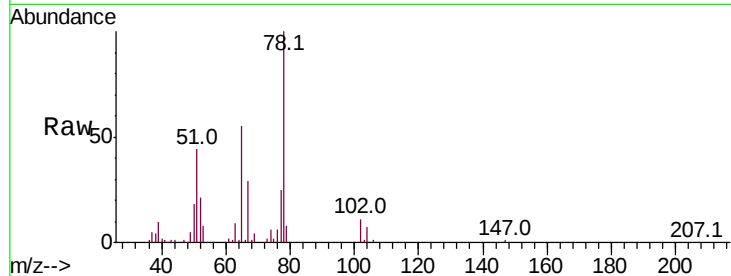
67 54.1 0.0 105.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

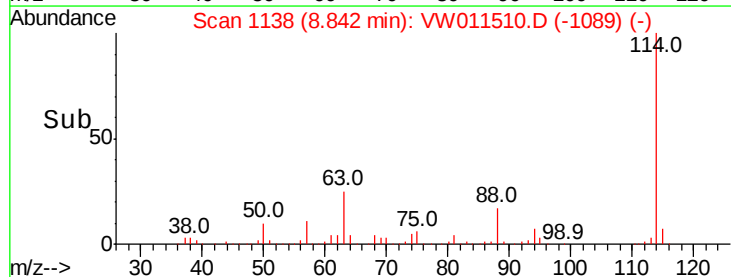
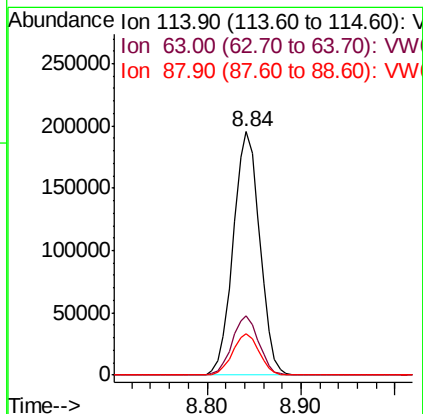
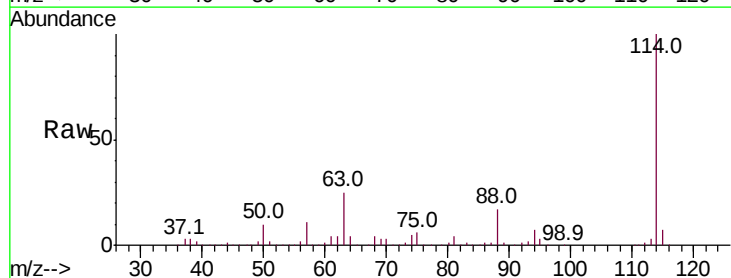
Tgt Ion: 114 Resp: 381991

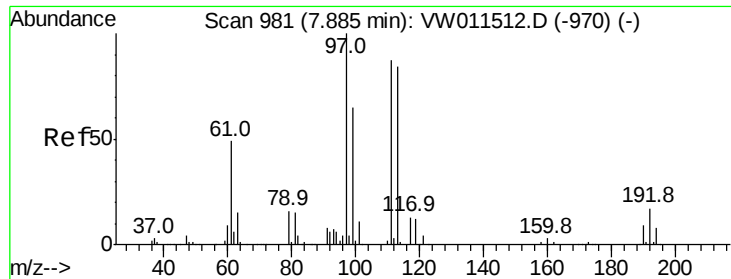
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 10.320 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

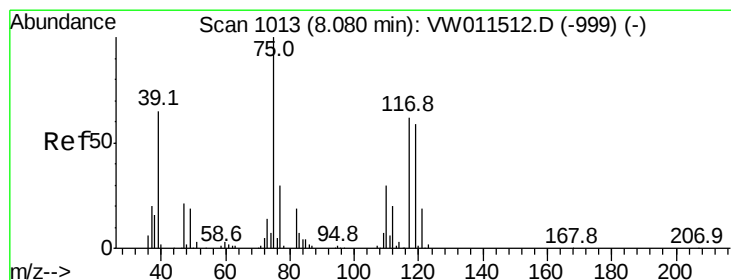
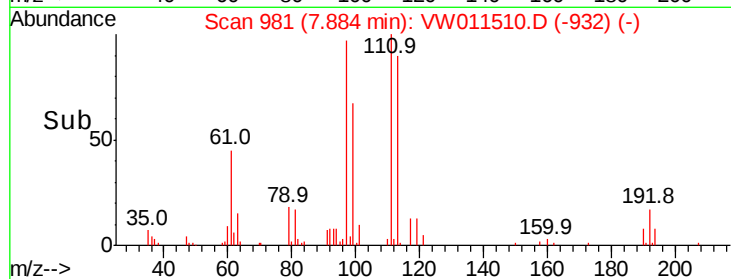
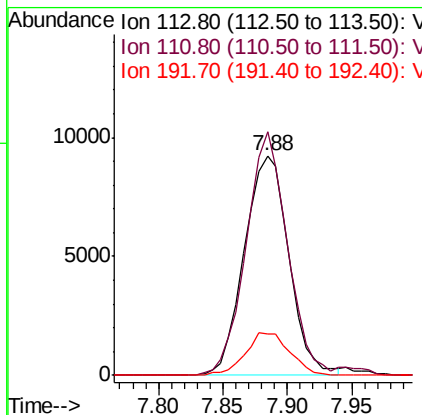
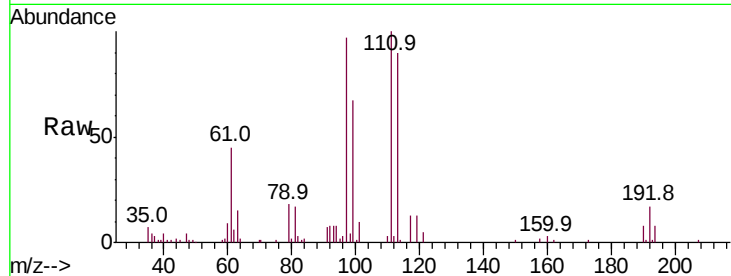
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	22117
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.7	124.1
192	19.4	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 9.657 ug/l

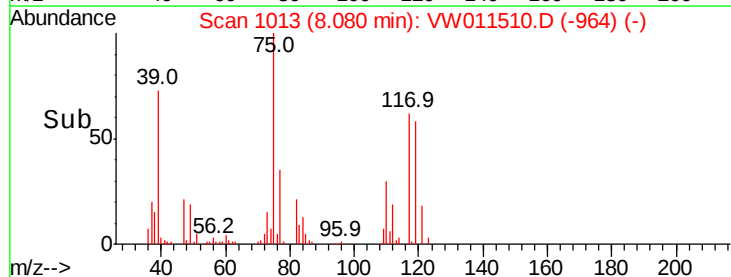
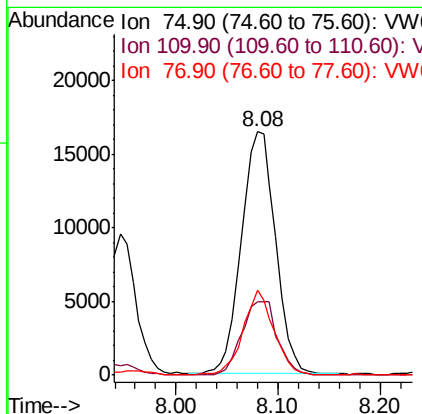
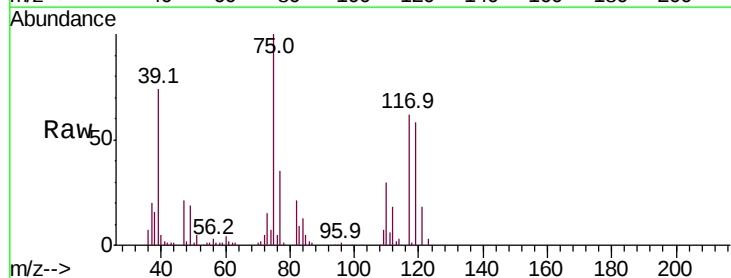
RT: 8.08 min Scan# 1013

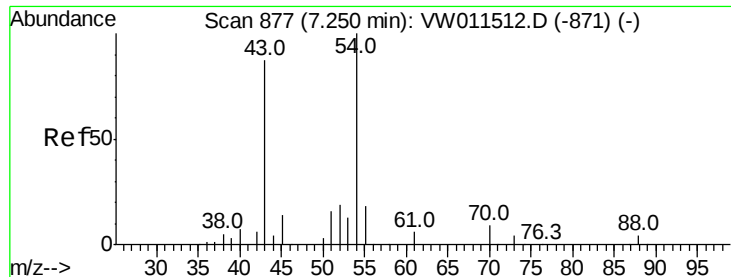
Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Tgt Ion:	75	Resp:	38359
Ion Ratio	Lower	Upper	
75	100		
110	31.7	15.6	46.8
77	31.7	24.3	36.5





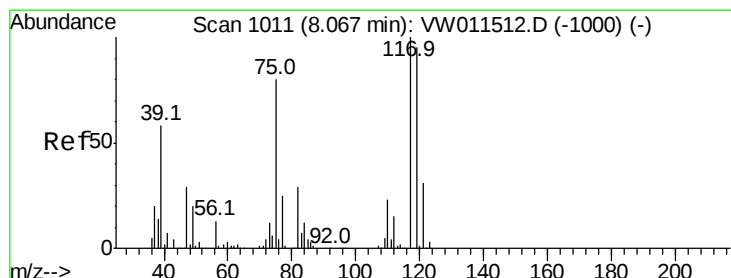
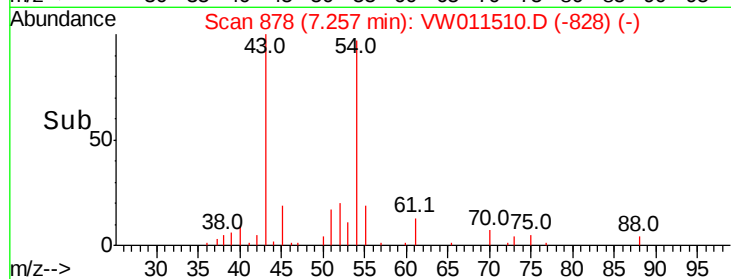
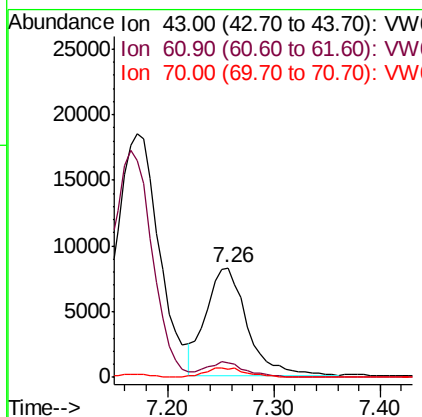
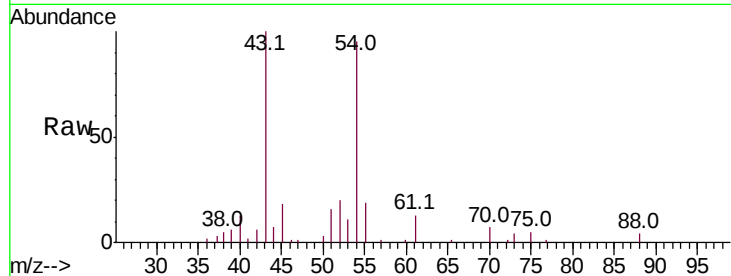
#37
Ethyl Acetate
Concen: 9.515 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	8.8	13.2#
70	8.9	7.1	10.7

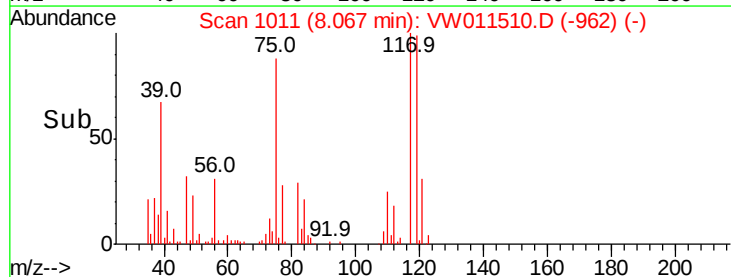
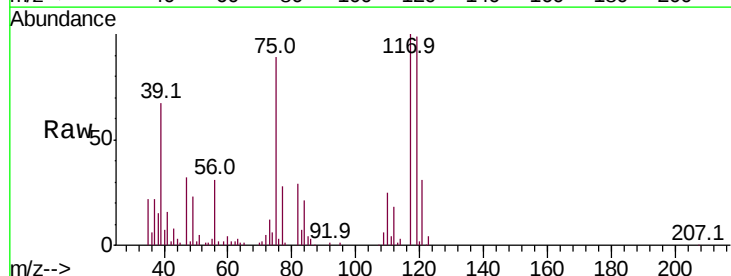
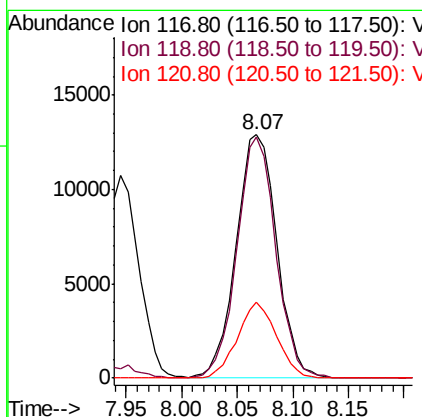
Manual Integrations
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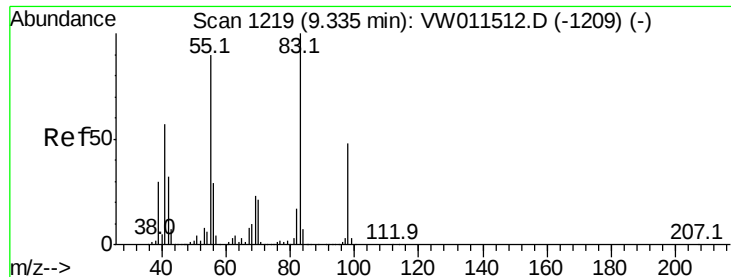
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#38
Carbon Tetrachloride
Concen: 9.648 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.8	113.6
121	31.0	24.7	37.1





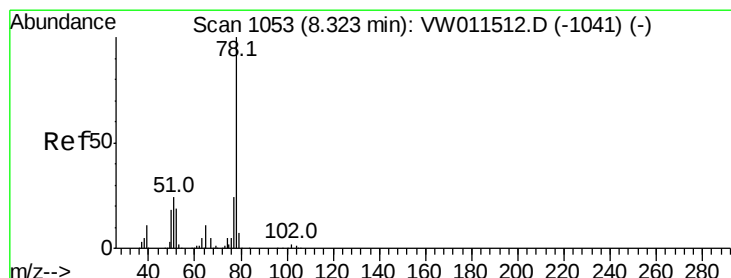
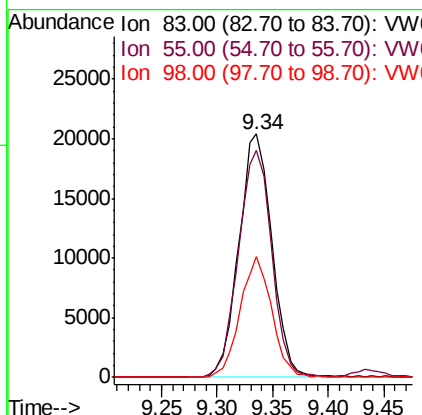
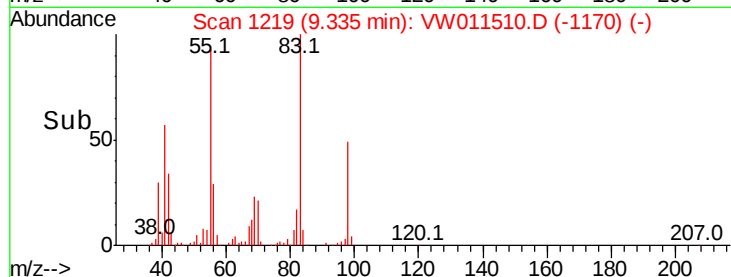
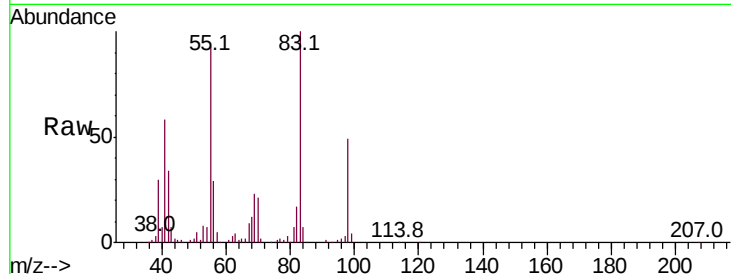
#39
Methvlcvclohexane
Concen: 9.653 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.2	72.1	108.1
98	49.5	38.6	57.8

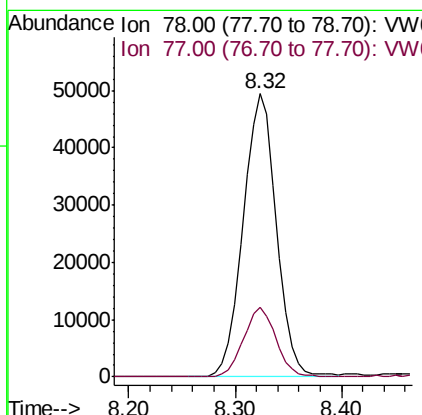
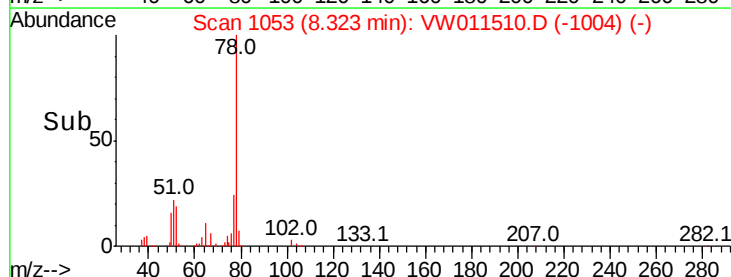
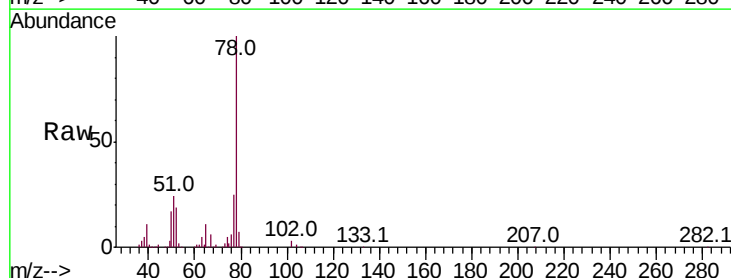
Manual Integrations
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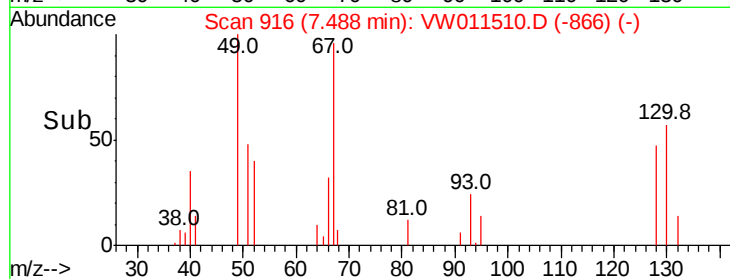
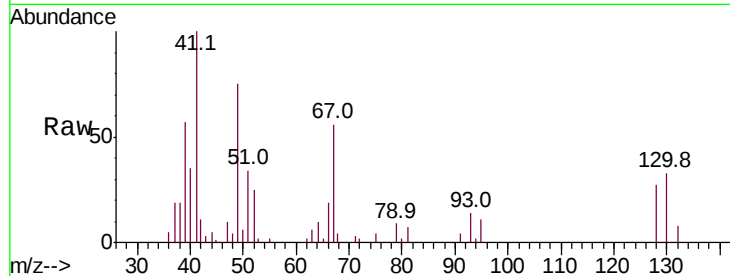
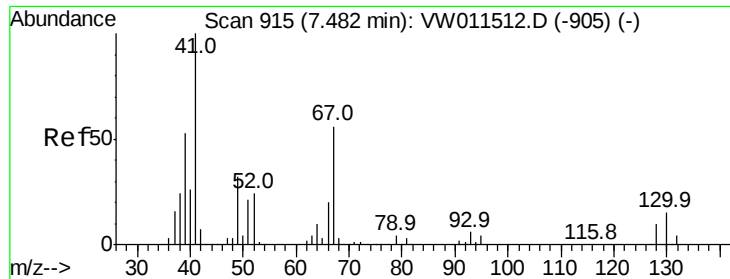
MMDadoda
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#40
Benzene
Concen: 9.712 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





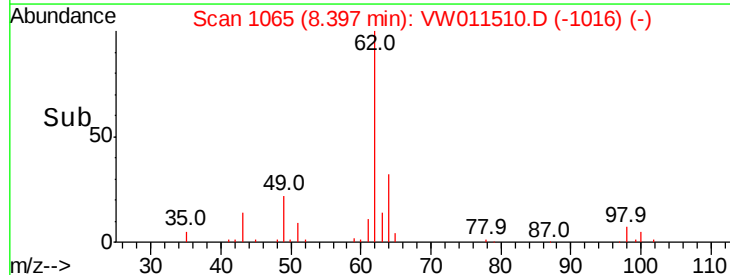
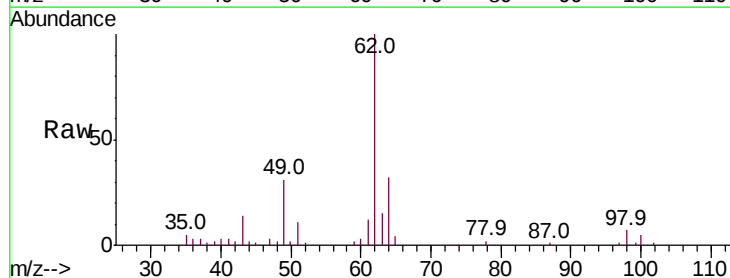
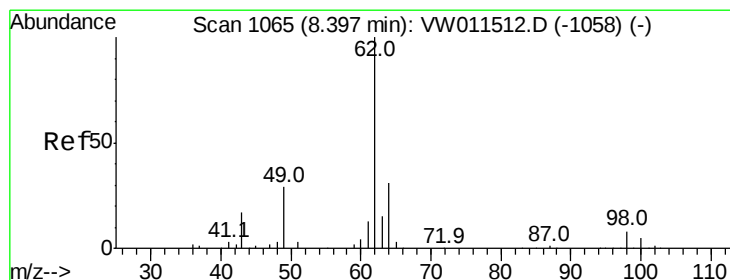
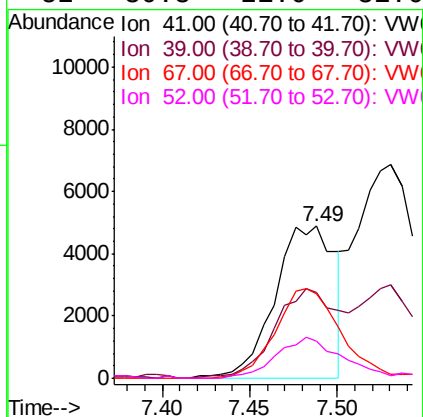
#41
Methacrylonitrile
Concen: 8.624 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tot Ion	41	Resp	11780
Ion Ratio	100	Lower	Upper
41	100		
39	64.2	43.0	64.4
67	64.2	47.5	71.3
52	30.3	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

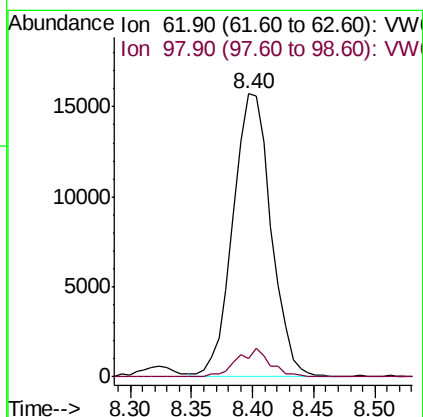
Manual Integrations
APPROVED

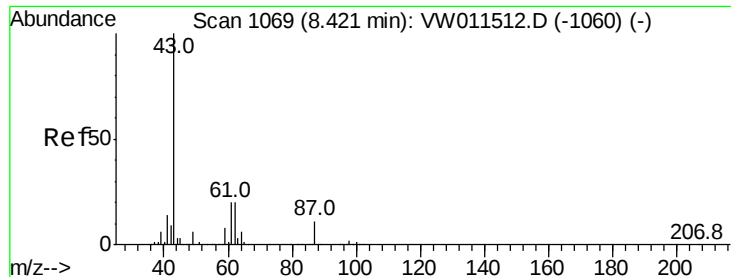
MMDadoda
7/29/2019 9:17:31 AM



#42
1,2-Dichloroethane
Concen: 9.790 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	62	Resp	34102
Ion Ratio	100	Lower	Upper
62	100		
98	8.8	0.0	16.8





#43

Isopropyl Acetate

Concen: 9.366 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

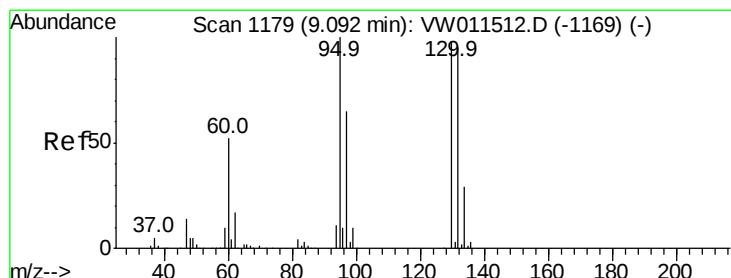
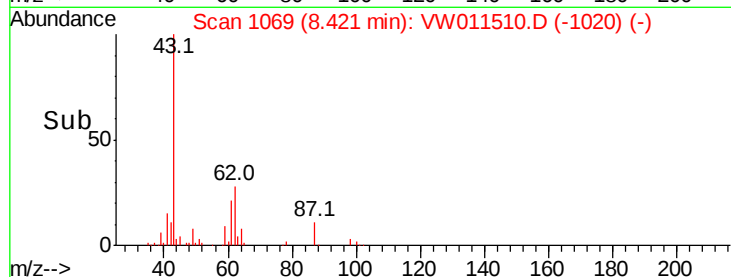
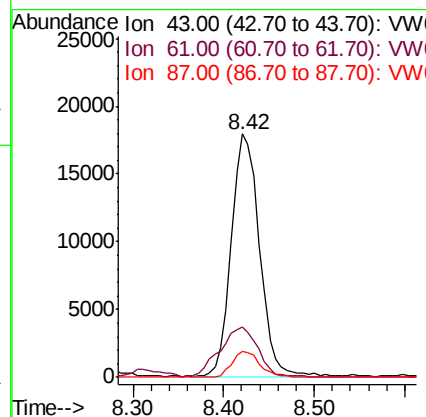
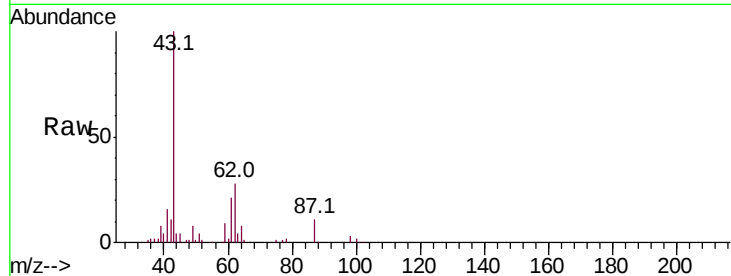
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	39361
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.5	32.3
87	10.4	8.4	12.6

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#44

Trichloroethene

Concen: 9.640 ug/l

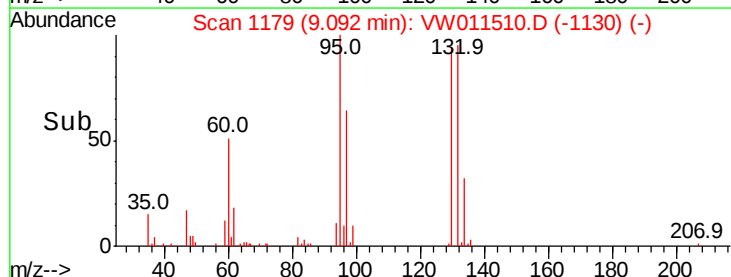
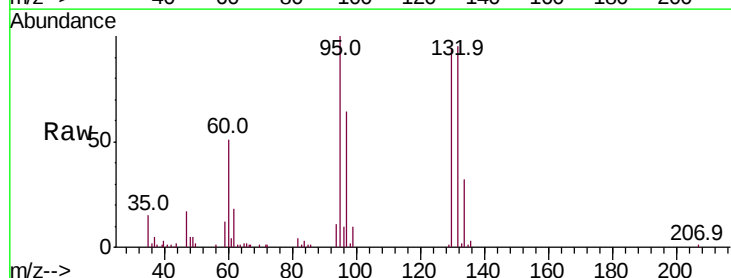
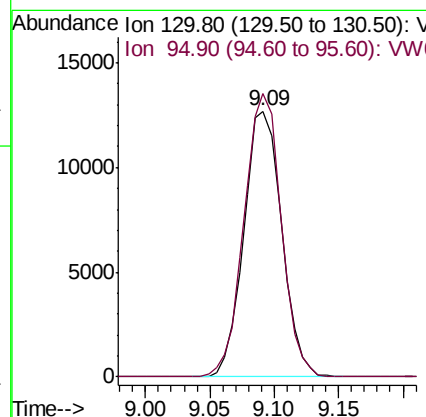
RT: 9.09 min Scan# 1179

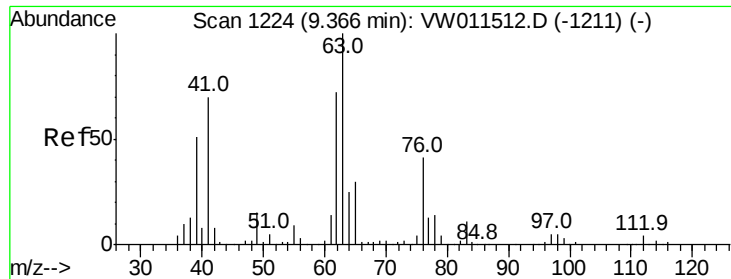
Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Tgt Ion:	130	Resp:	25779
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	204.8





#45

1,2-Dichloropropane

Concen: 9.558 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 28452

Ion Ratio Lower Upper

63 100

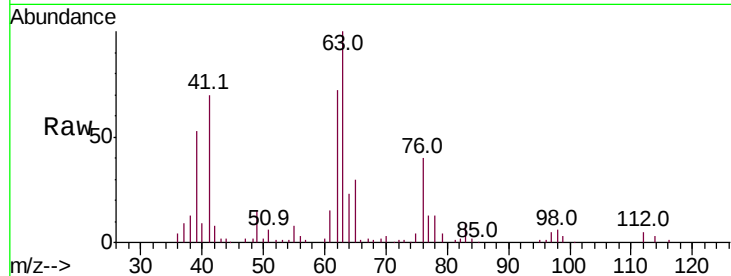
65 29.8 24.2 36.4

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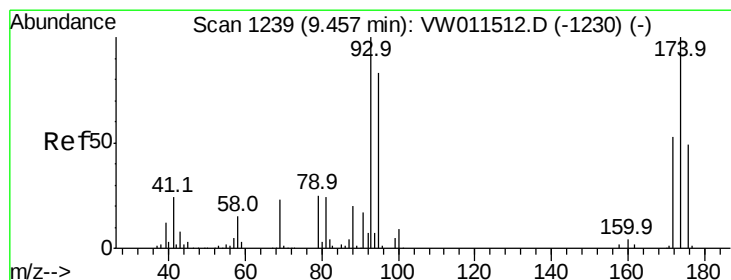
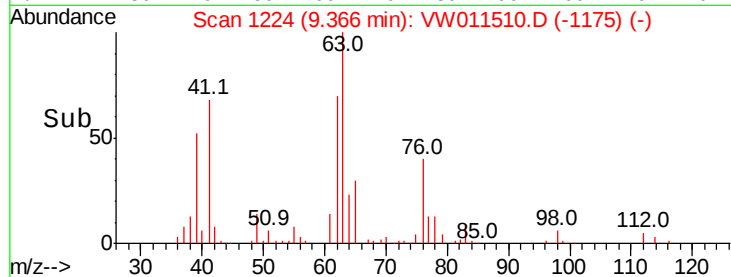
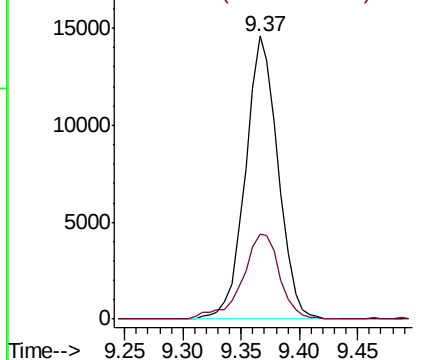
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 9.608 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

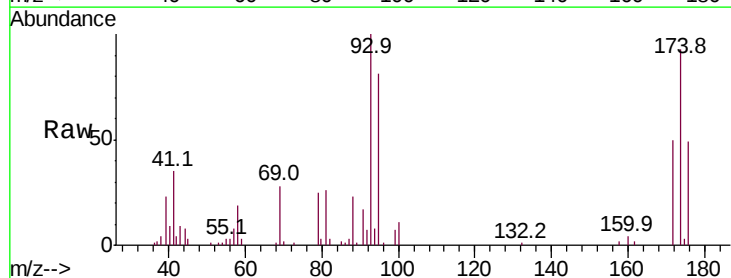
Tgt Ion: 93 Resp: 13055

Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.2

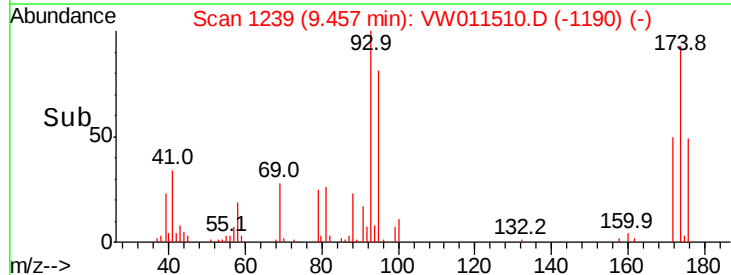
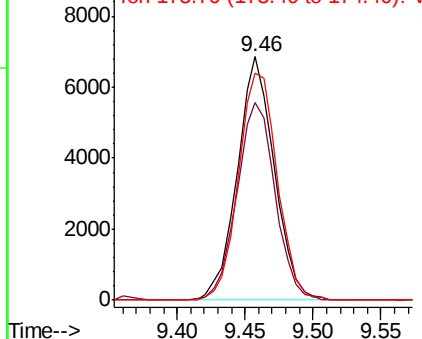
174 97.6 78.2 117.4

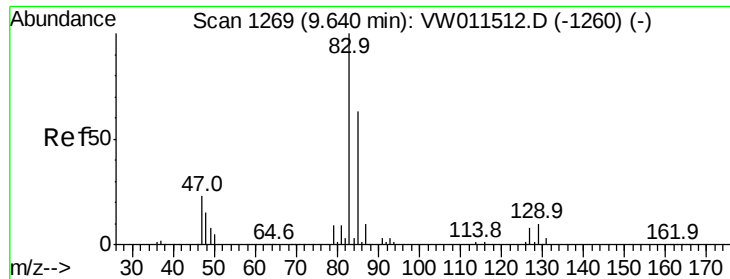


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





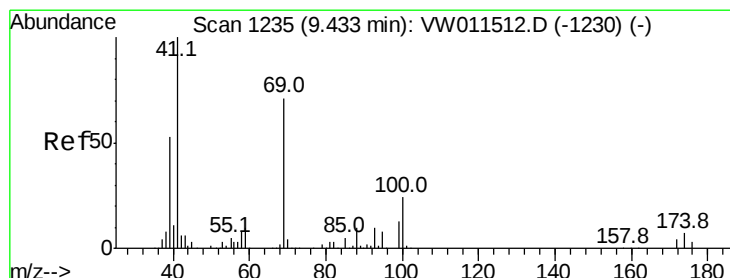
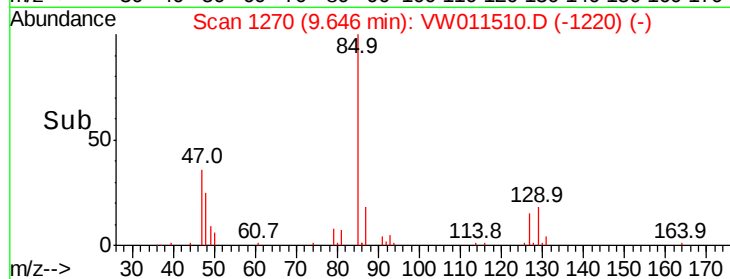
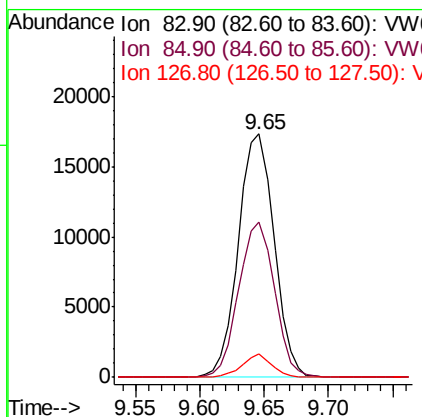
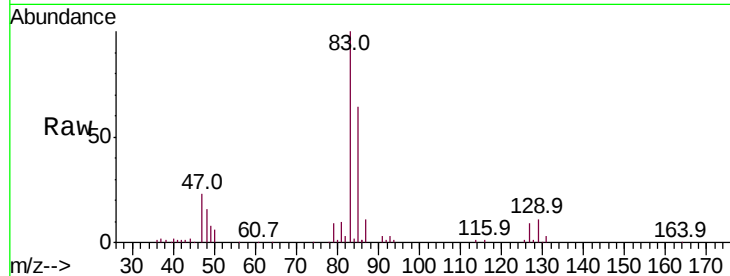
#47
Bromodichloromethane
Concen: 9.375 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.6	50.5	75.7	
127	9.5	6.4	9.6	

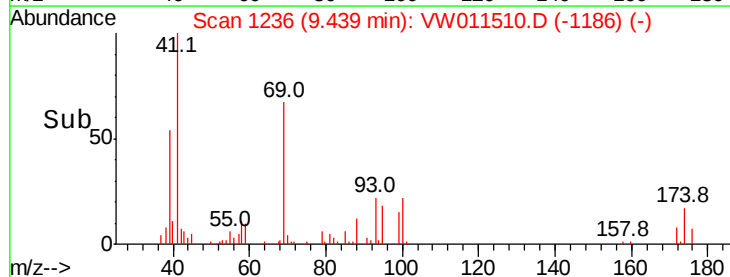
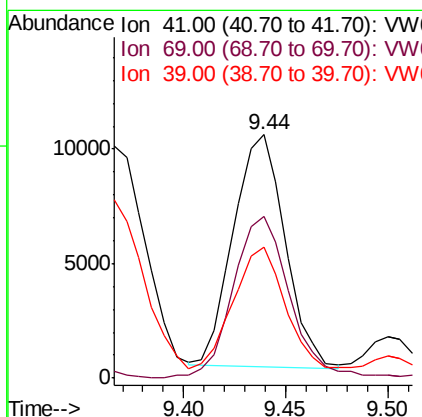
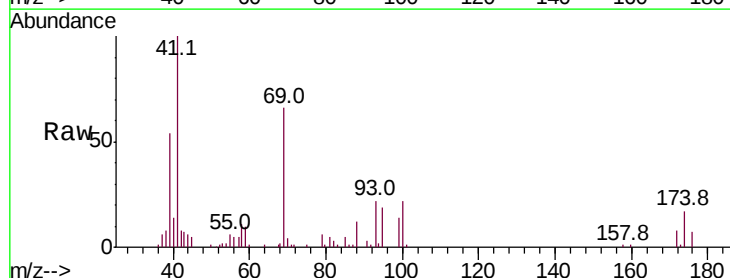
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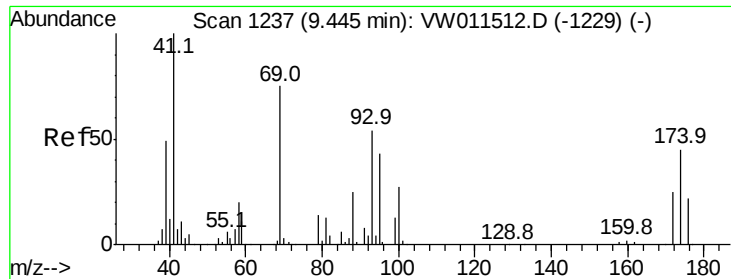
MMDadoda
7/29/2019 9:17:31 AM



#48
Methyl methacrylate
Concen: 8.884 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	76.5	57.1	85.7	
39	59.7	45.4	68.2	





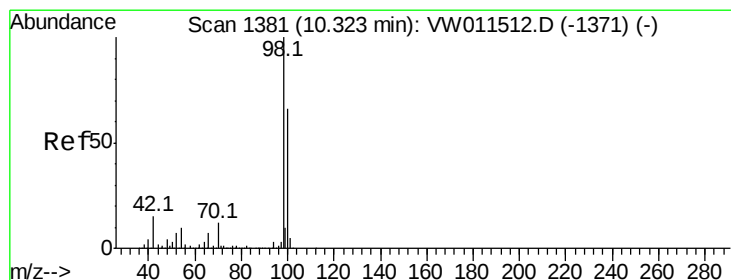
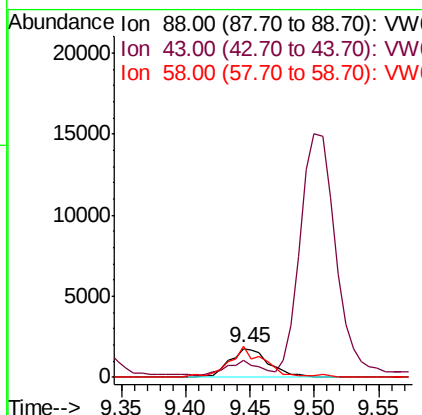
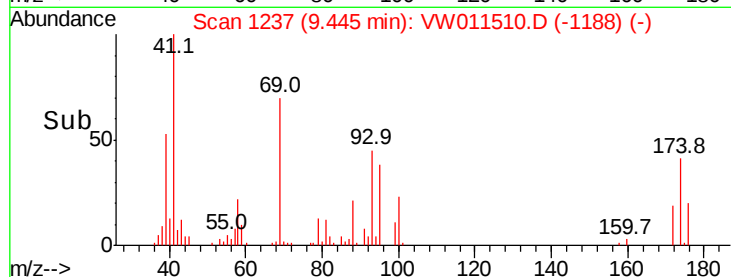
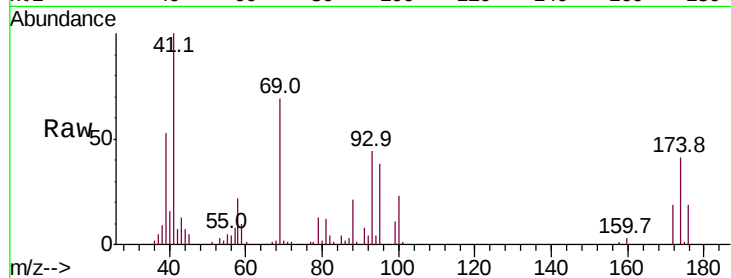
#49
1,4-Dioxane
Concen: 193.816 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	3813
Ion	Ratio	Lower	Upper
88	100		
43	39.8	34.0	51.0
58	96.0	69.7	104.5

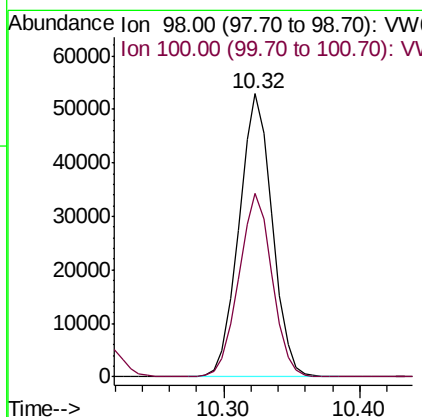
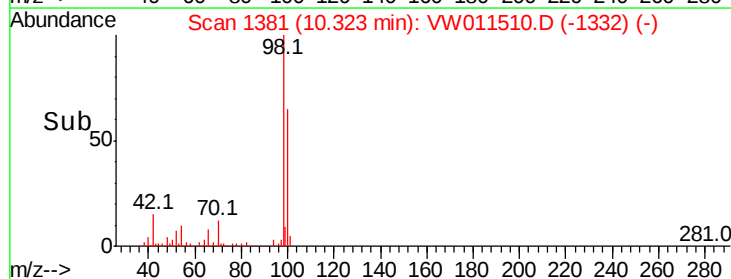
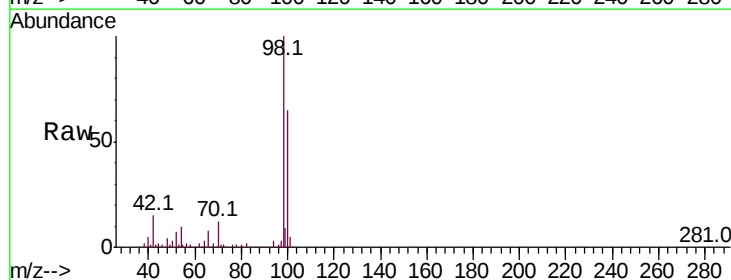
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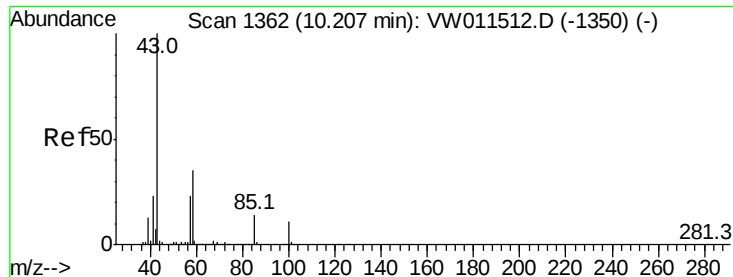
MMDadoda
7/29/2019 9:17:31 AM



#50
Toluene-d8
Concen: 10.250 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	98	Resp	89939
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 46.996 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 102733

Ion Ratio Lower Upper

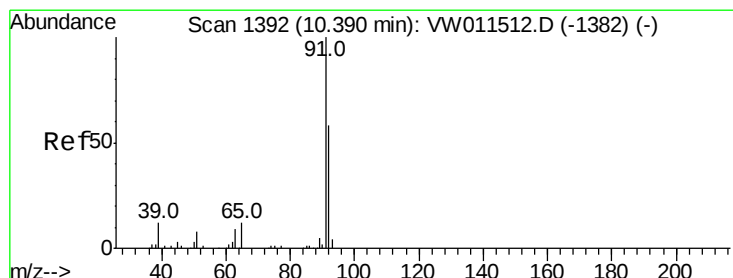
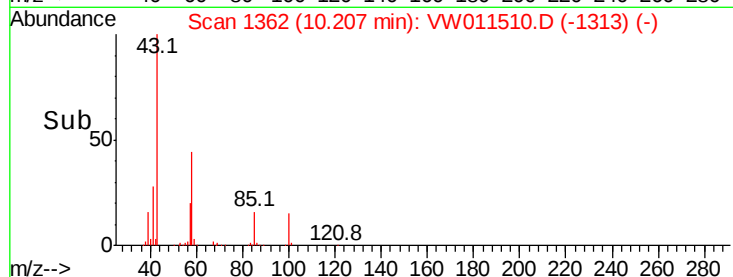
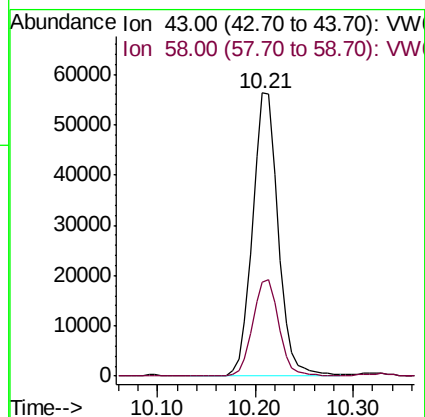
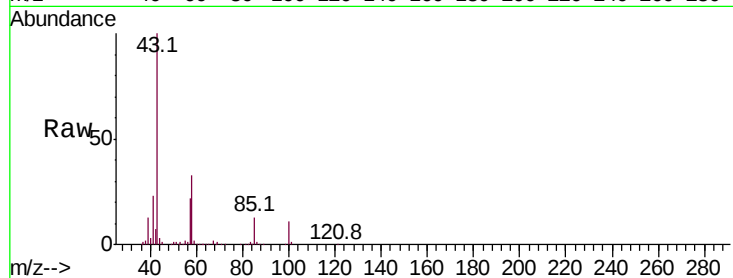
43 100

58 34.9 28.2 42.2

Manual Integrations
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#52

Toluene

Concen: 9.583 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011510.D

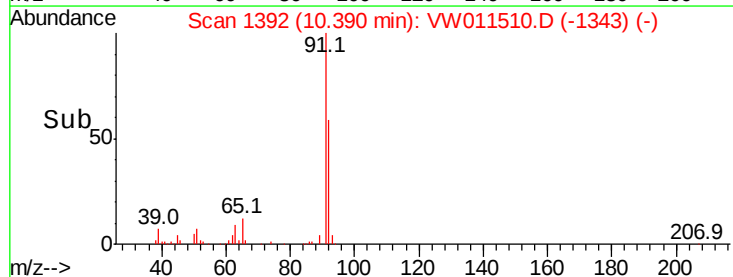
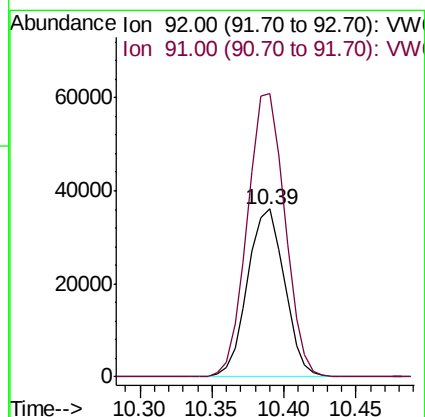
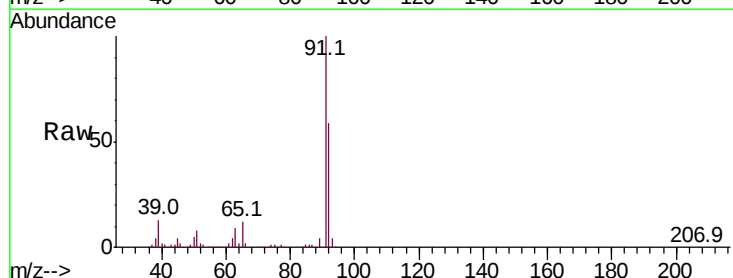
Acq: 26 Jul 2019 11:57

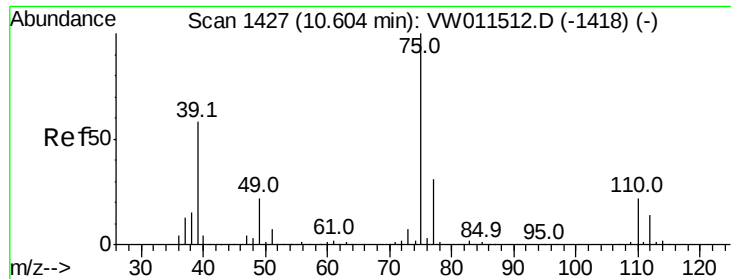
Tgt Ion: 92 Resp: 64386

Ion Ratio Lower Upper

92 100

91 171.1 136.7 205.1





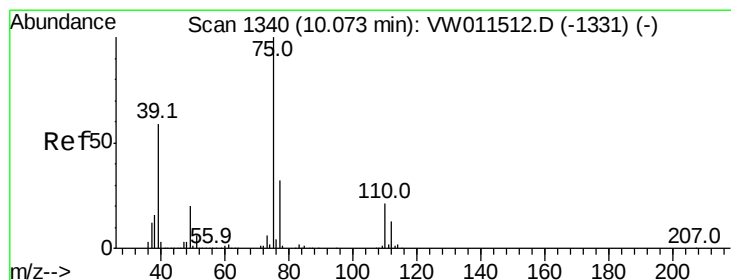
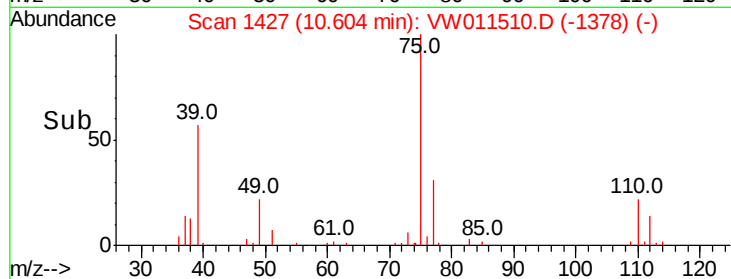
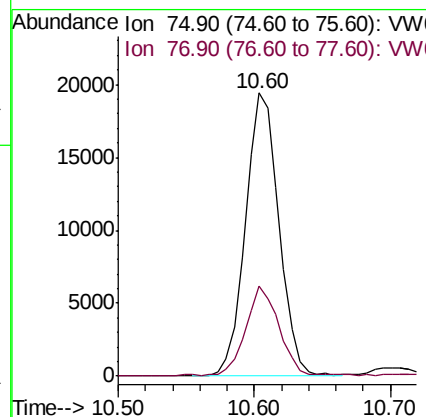
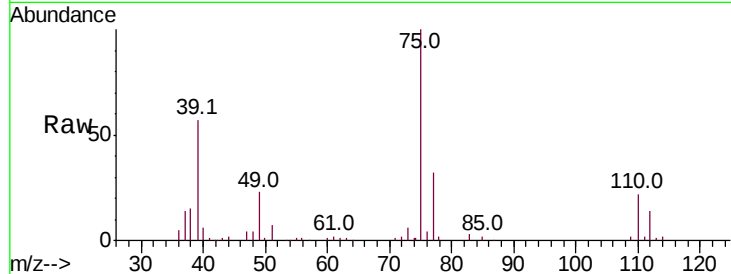
#53
 t-1,3-Dichloropropene
 Concen: 8.989 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 33468
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.0 37.4

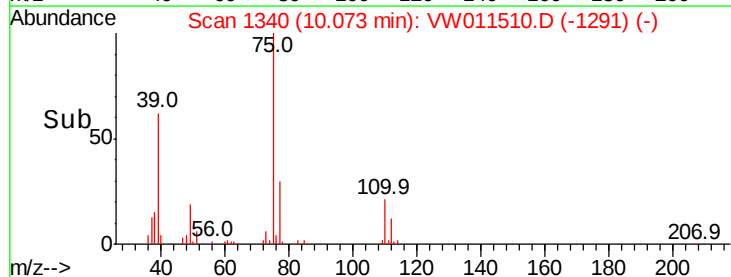
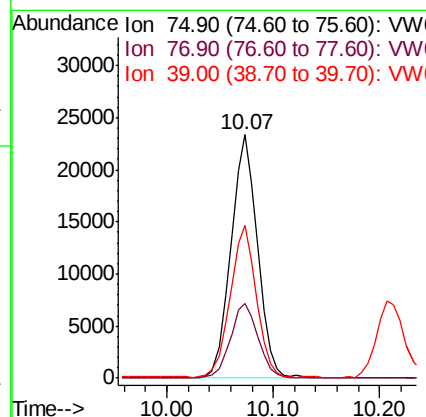
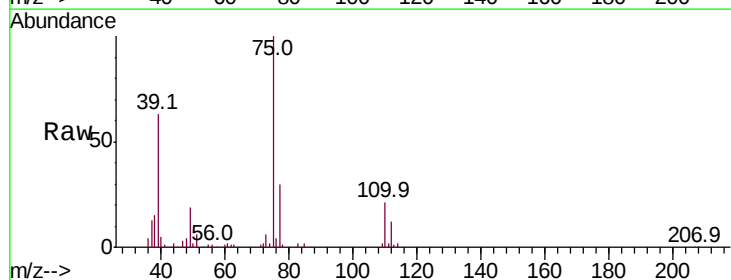
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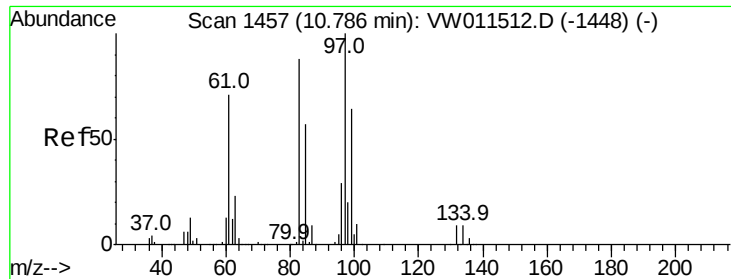
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 9.213 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion: 75 Resp: 40783
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.6 38.4
 39 62.7 47.0 70.4





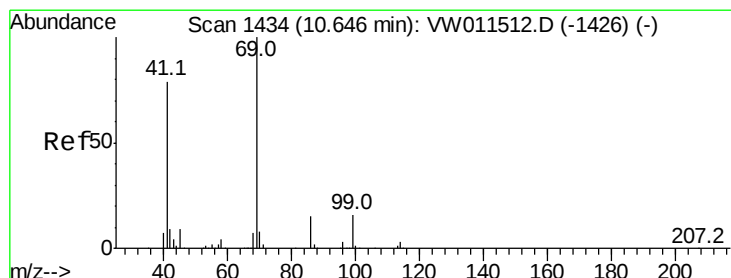
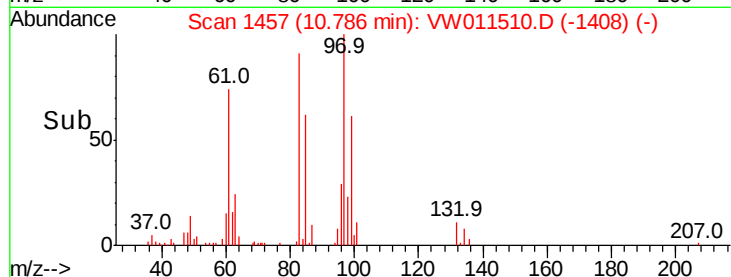
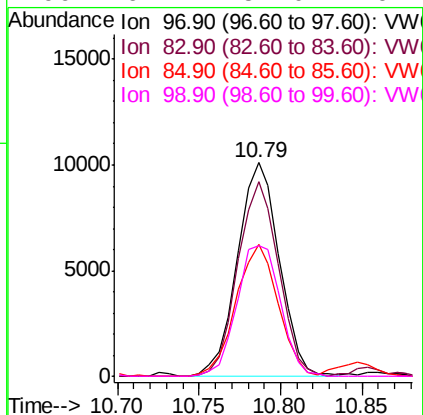
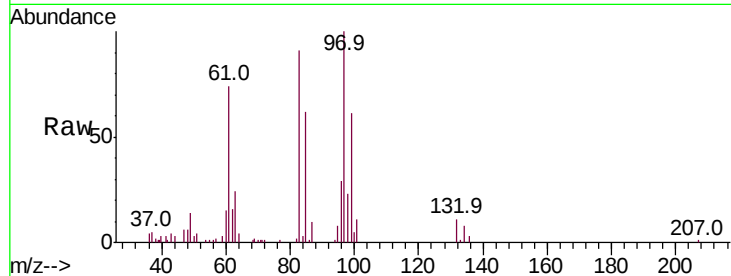
#55
 1,1,2-Trichloroethane
 Concen: 9.380 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.5	105.7
85	61.7	45.8	68.6
99	61.4	51.0	76.4

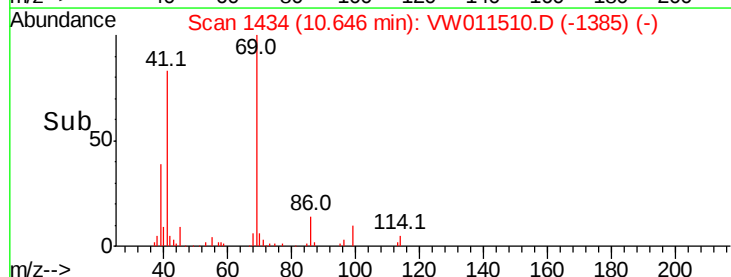
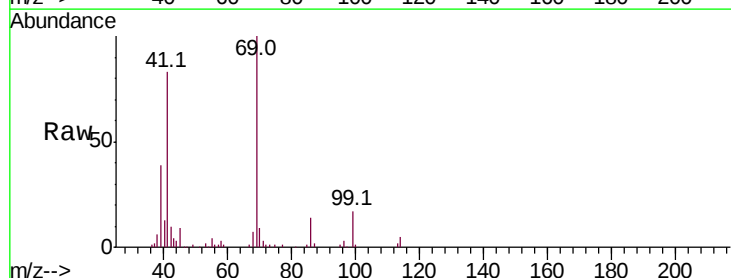
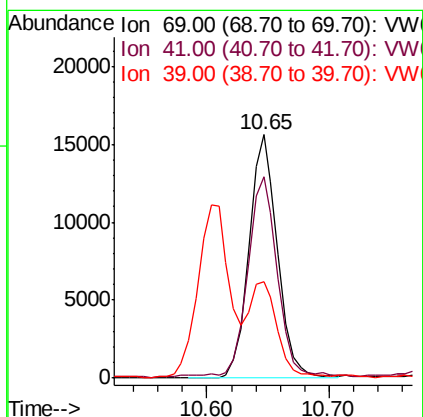
Manual Integrations
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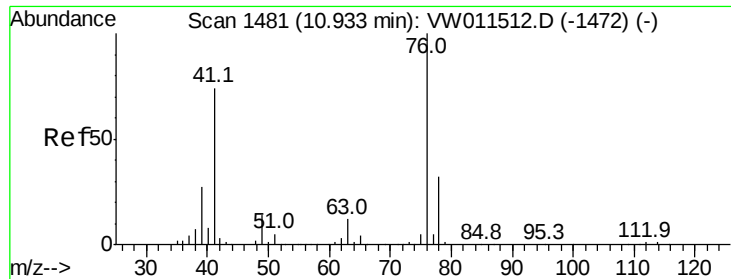
MMDadoda
 7/29/2019 9:17:31 AM



#56
 Ethyl methacrylate
 Concen: 8.963 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
69	100		
41	87.0	66.6	99.8
39	37.9	30.3	45.5





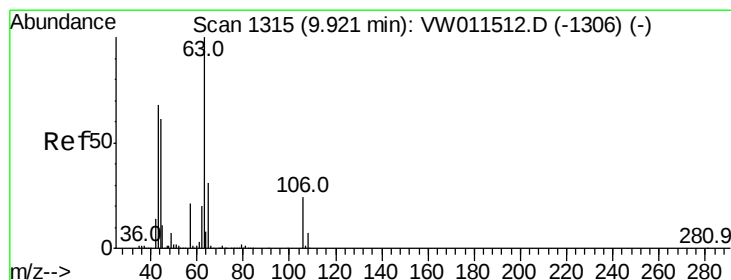
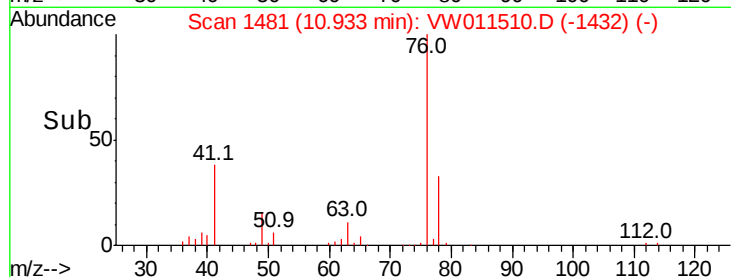
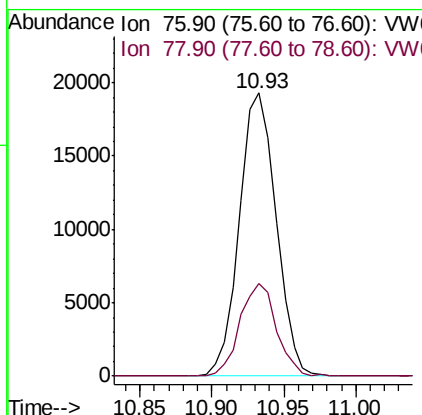
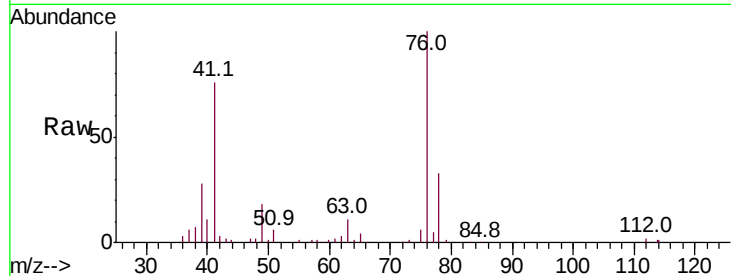
#57
 1,3-Dichloropropane
 Concen: 9.379 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 34209
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

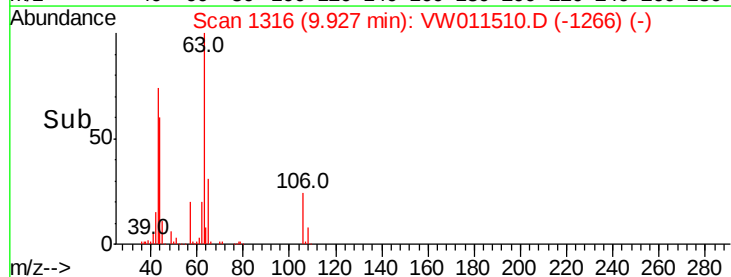
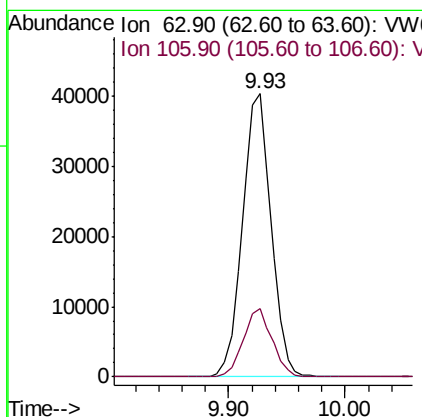
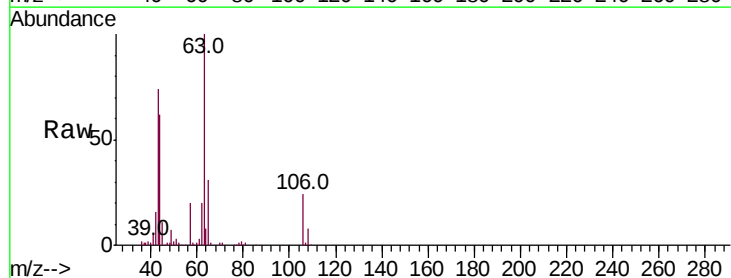
Manual Integrations
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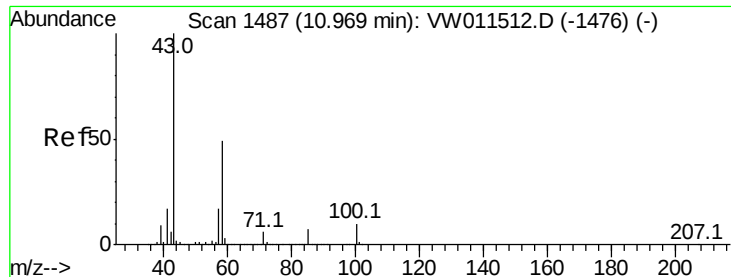
MMDadoda
 7/29/2019 9:17:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 54.180 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion: 63 Resp: 69396
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.7 29.5





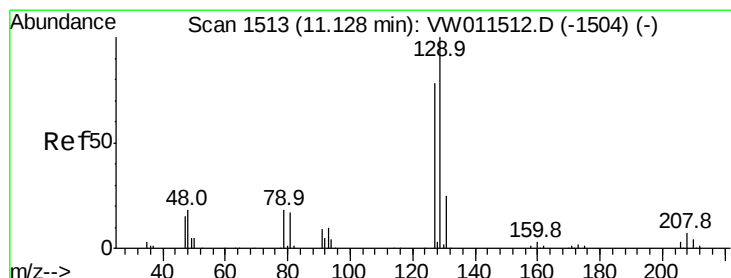
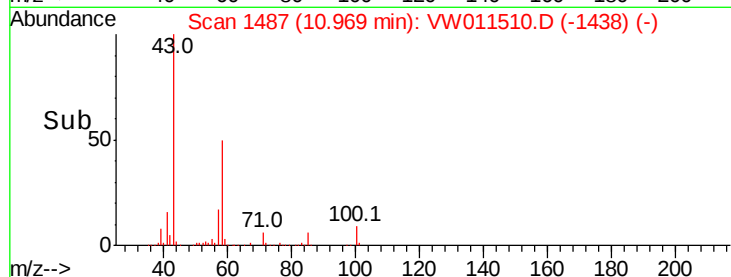
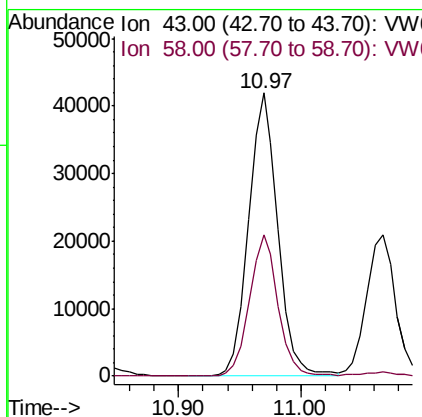
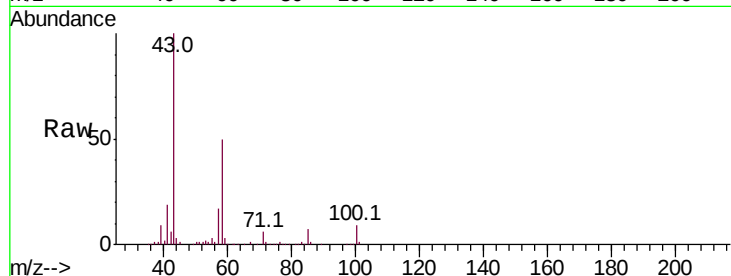
#59
2-Hexanone
Concen: 45.141 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	43	58	Ratio	100	48.6	Resp	69674	Lower	24.3	Upper	72.9
Ion	43	58	Ratio	100	48.6	Resp	69674	Lower	24.3	Upper	72.9

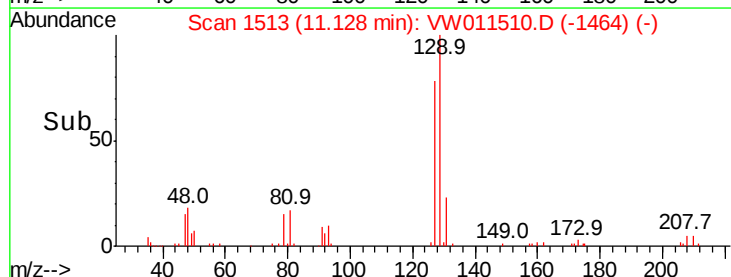
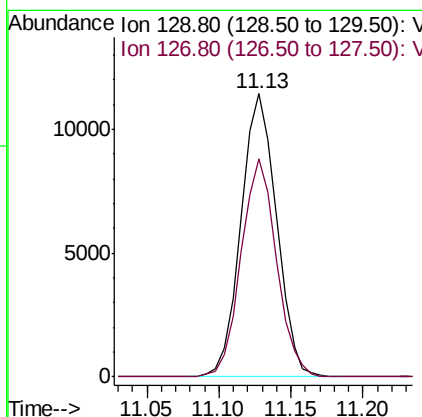
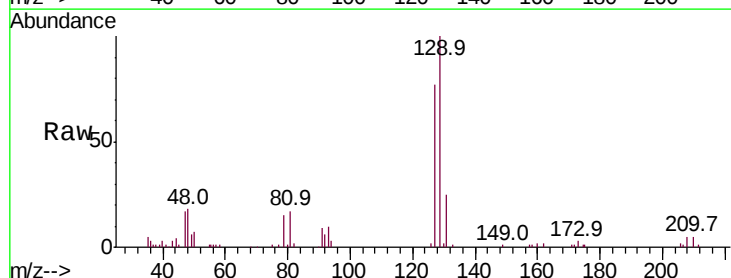
Manual Integrations
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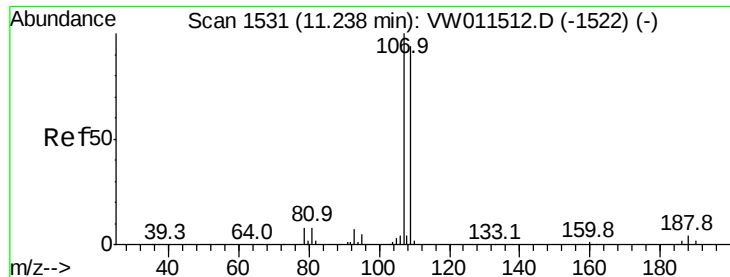
MMDadoda
7/29/2019 9:17:31 AM



#60
Dibromochloromethane
Concen: 9.142 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	129	127	Ratio	100	76.3	Resp	19563	Lower	38.9	Upper	116.7
Ion	129	127	Ratio	100	76.3	Resp	19563	Lower	38.9	Upper	116.7





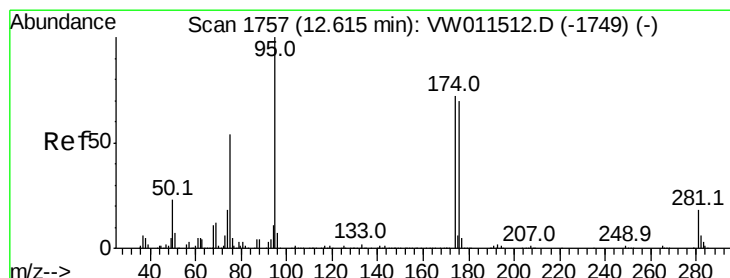
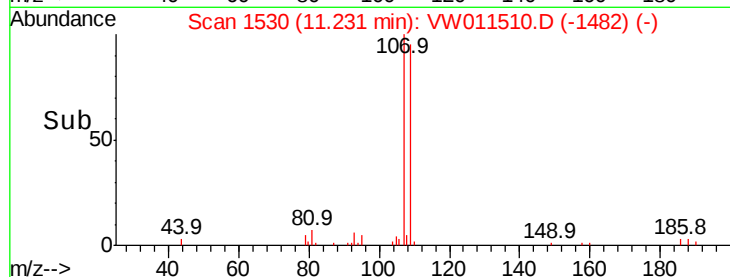
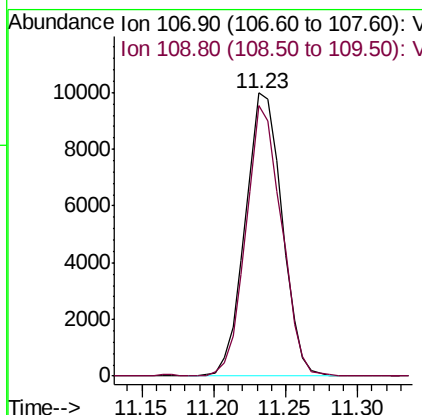
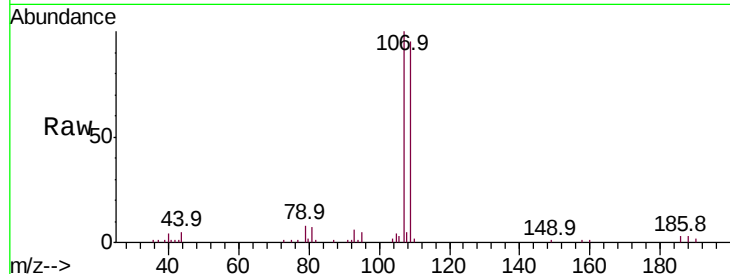
#61
 1,2-Dibromoethane
 Concen: 9.660 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 17624
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.0 112.6

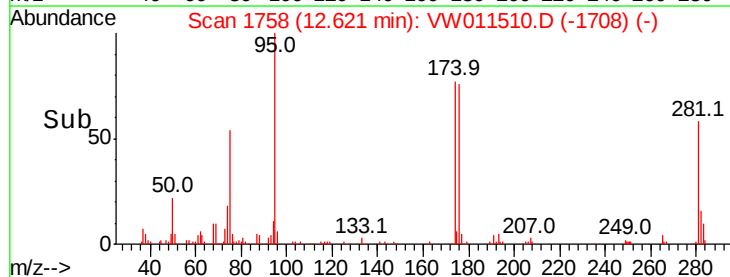
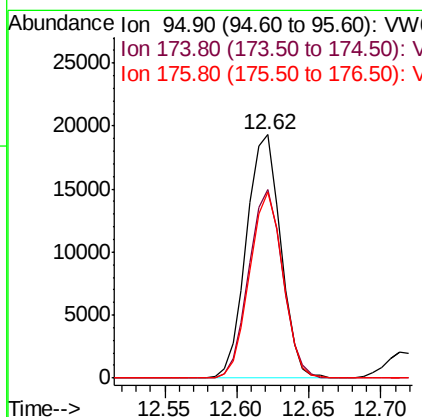
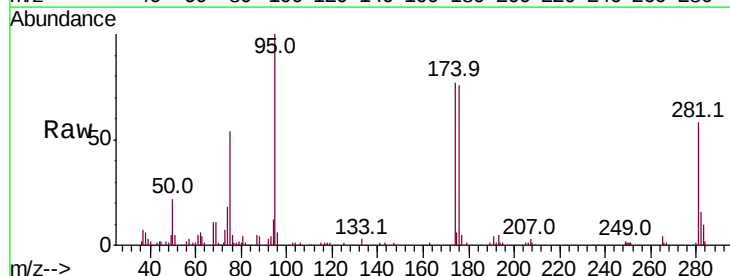
Manual Integrations
 APPROVED

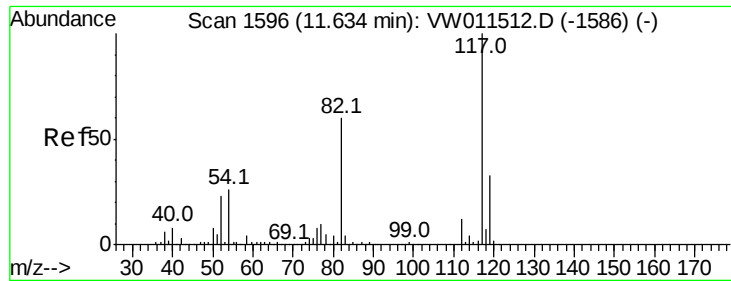
MMDadoda
 7/29/2019 9:17:31 AM



#62
 4-Bromofluorobenzene
 Concen: 10.193 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion: 95 Resp: 31887
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 150.2
 176 74.1 0.0 144.4





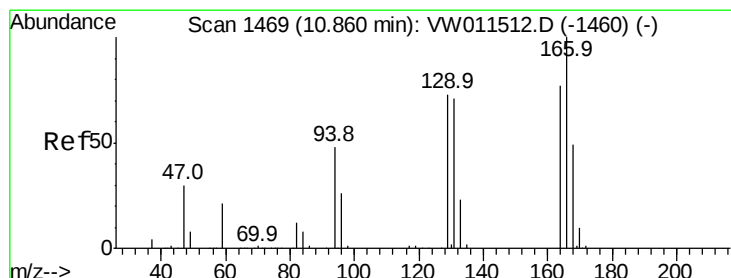
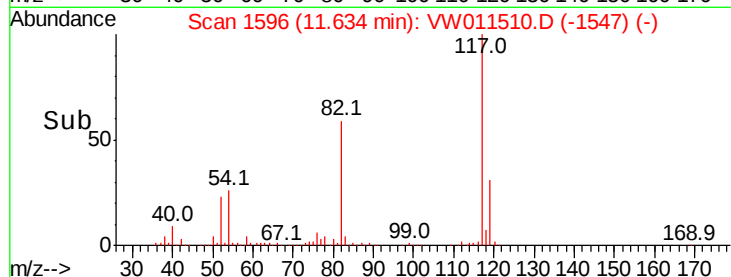
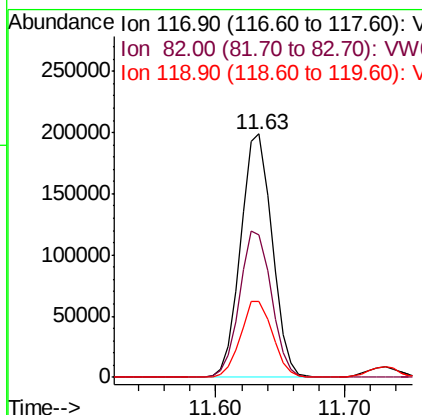
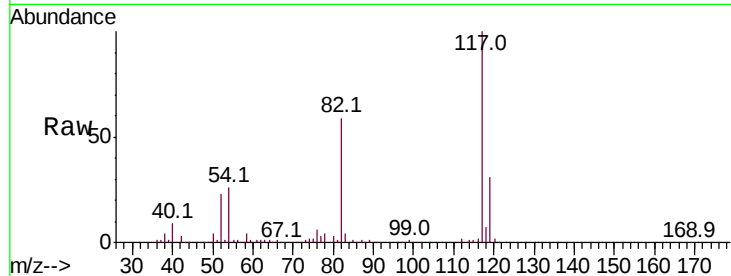
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	58.6	47.9	71.9	
119	31.1	26.2	39.2	

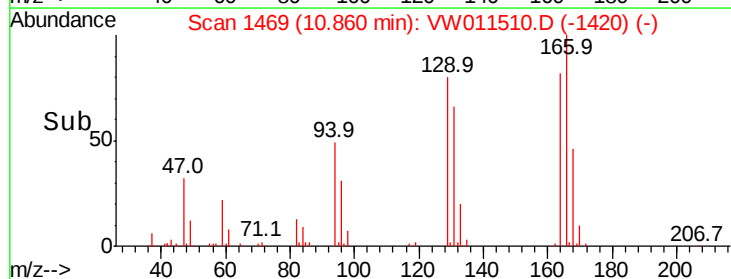
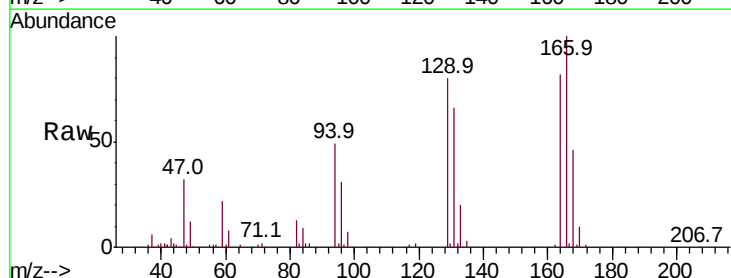
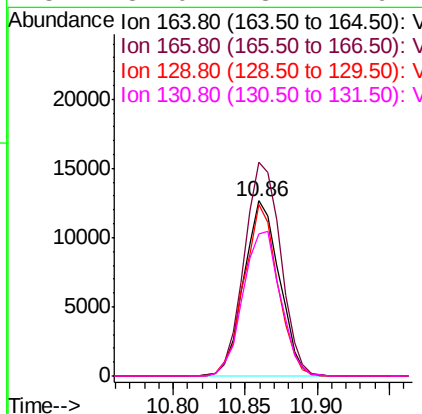
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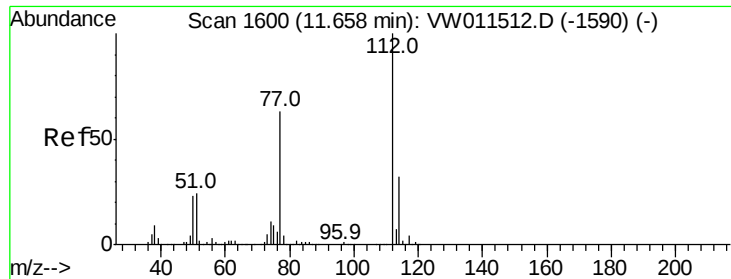
MMDadoda
7/29/2019 9:17:31 AM



#64
Tetrachloroethene
Concen: 9.861 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	121.8	103.5	155.3	
129	97.7	75.2	112.8	
131	81.0	73.4	110.2	





#65

Chlorobenzene

Concen: 9.667 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 65286

Ion Ratio Lower Upper

112 100

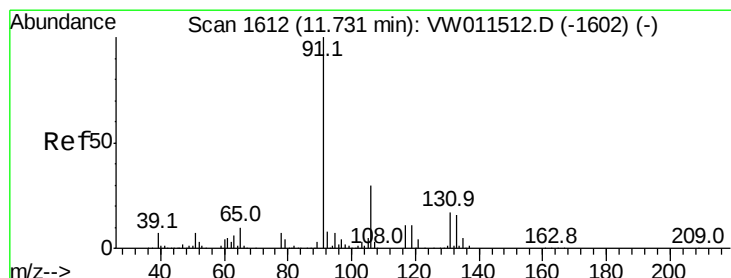
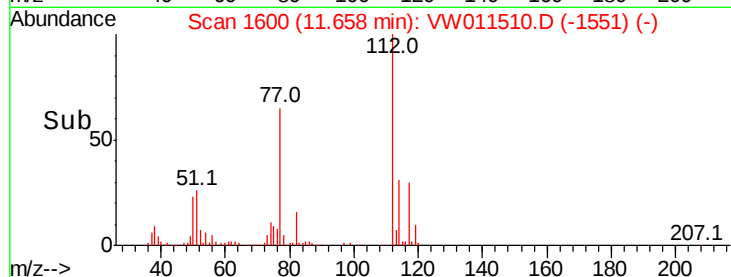
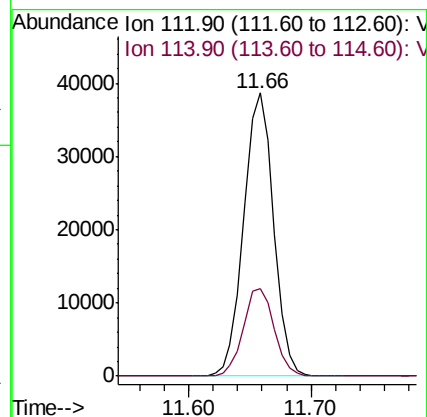
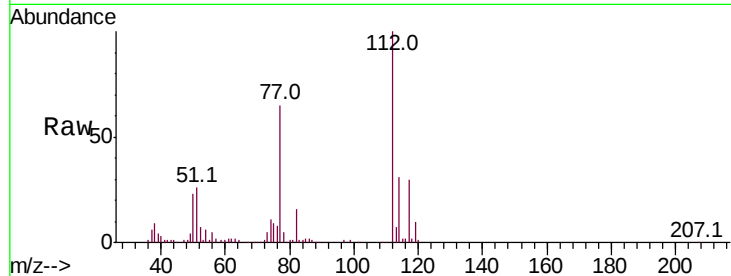
114 30.9 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 9.310 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

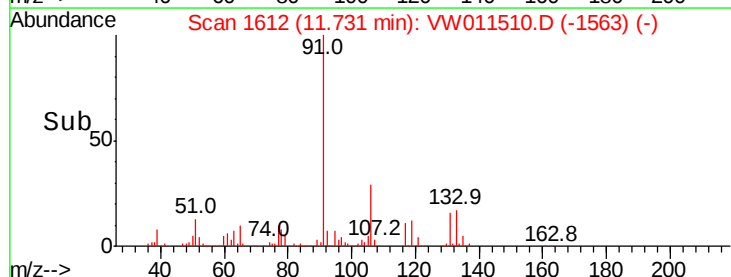
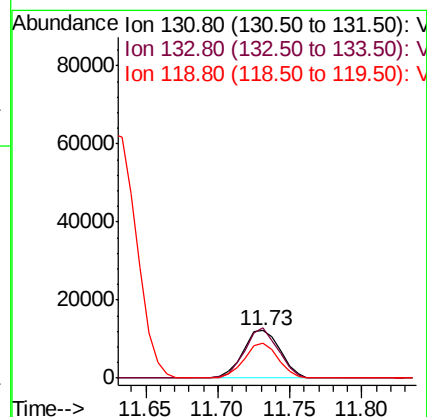
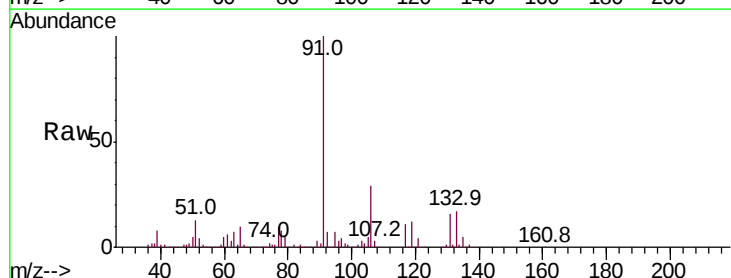
Tgt Ion:131 Resp: 21902

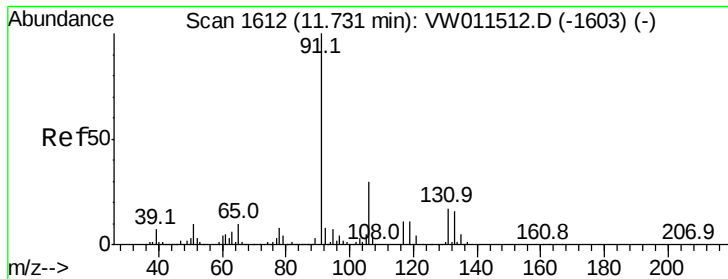
Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.2

119 67.3 32.3 96.9





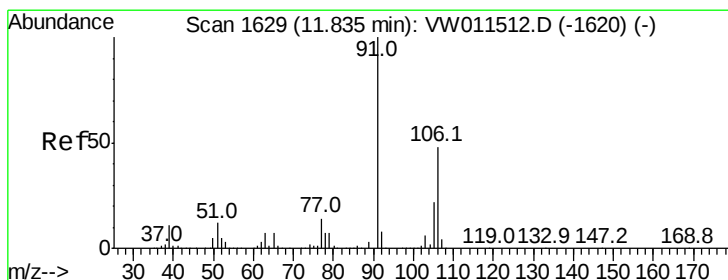
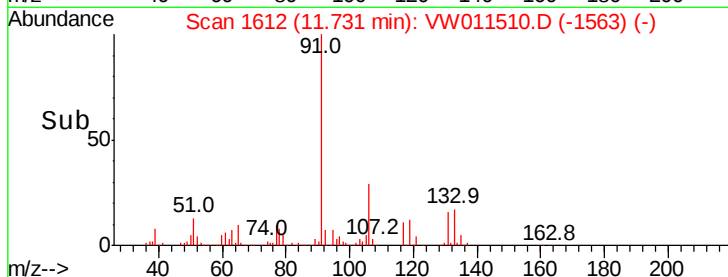
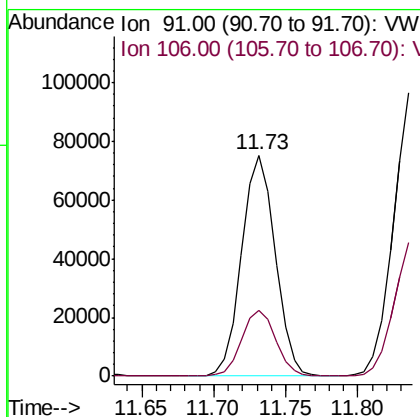
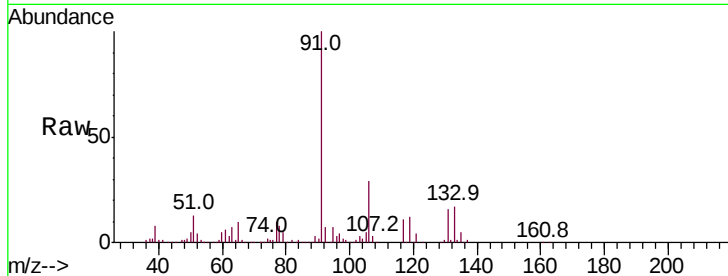
#67
Ethyl Benzene
Concen: 9.451 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 121567
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6

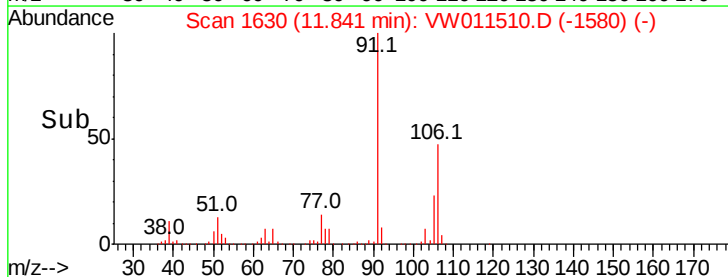
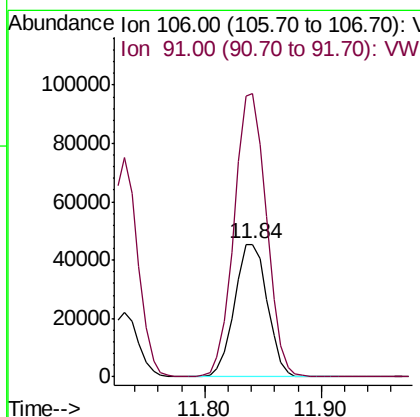
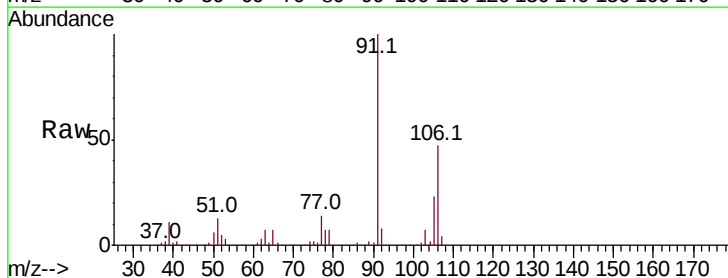
Manual Integrations
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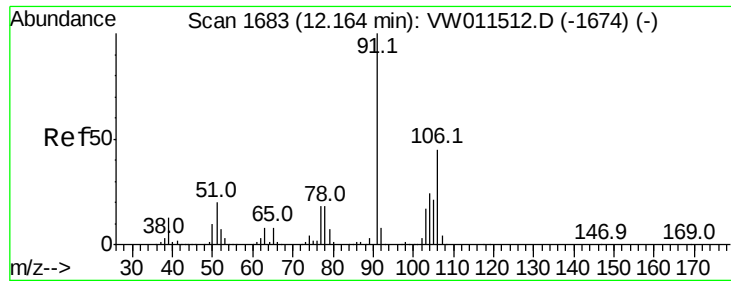
MMDadoda
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#68
m/p-Xylenes
Concen: 19.166 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion: 106 Resp: 89654
Ion Ratio Lower Upper
106 100
91 210.0 168.2 252.2





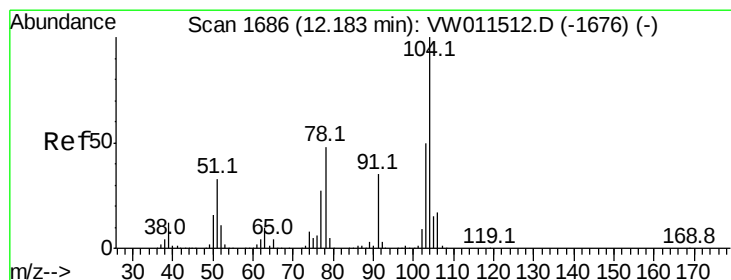
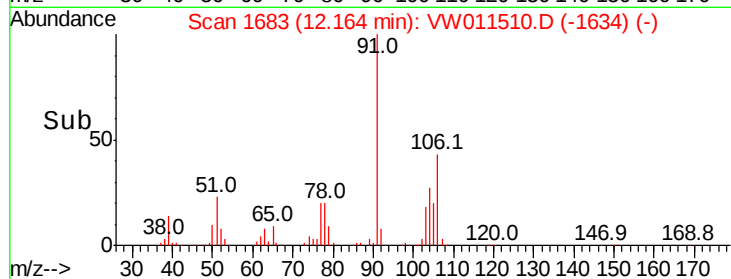
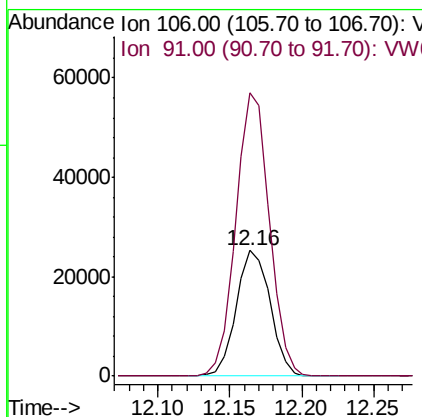
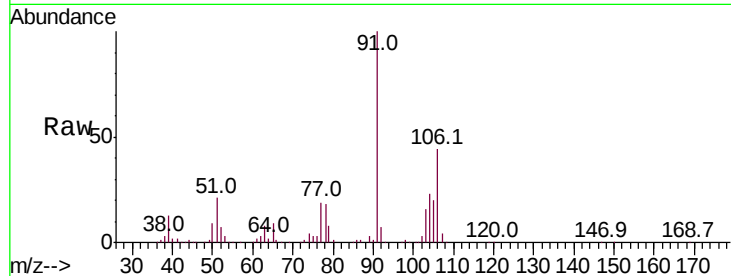
#69
o-Xylene
Concen: 9.536 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 41451
Ion Ratio Lower Upper
106 100
91 222.7 110.5 331.5

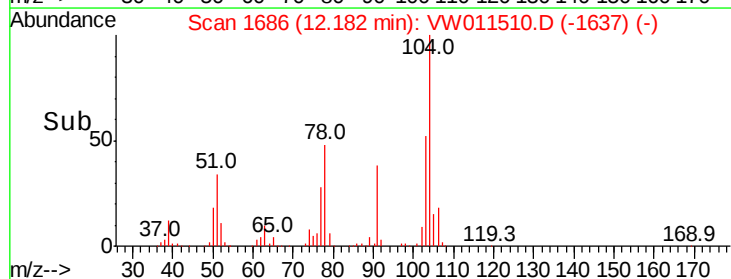
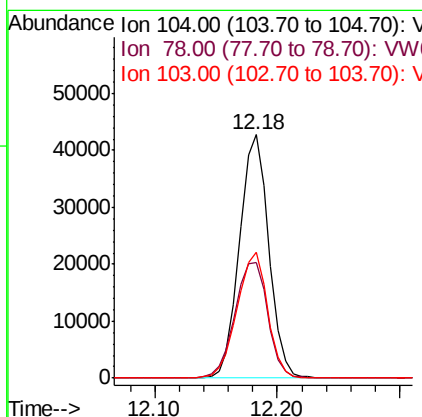
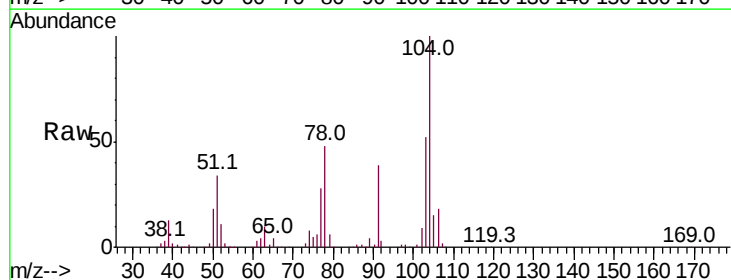
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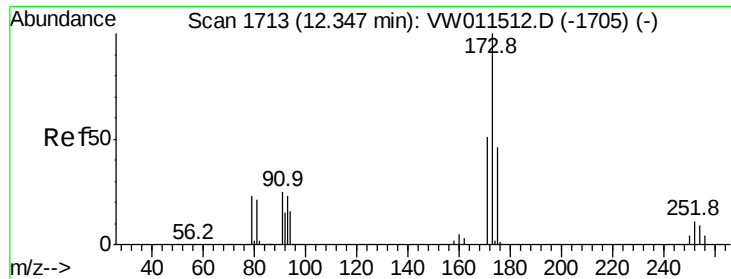
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#70
Styrene
Concen: 9.447 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion:104 Resp: 70999
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 54.2 43.9 65.9





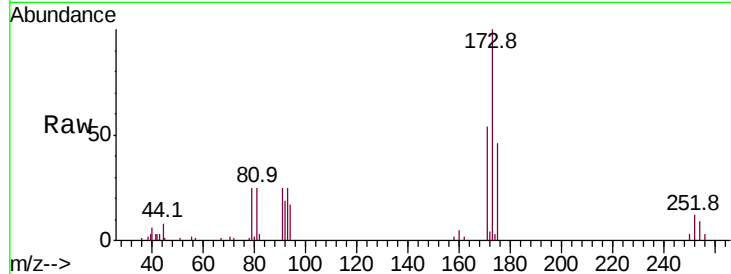
#71
Bromoform
Concen: 8.978 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.6	71.0
254	0.0	0.1	0.1#

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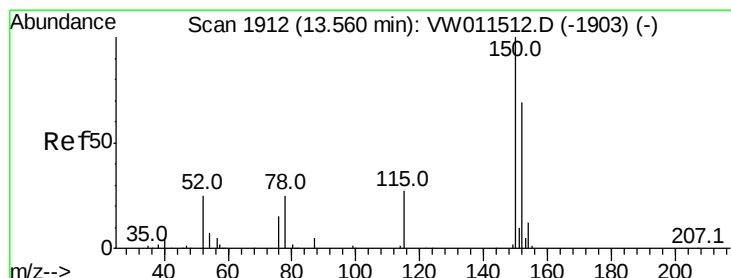
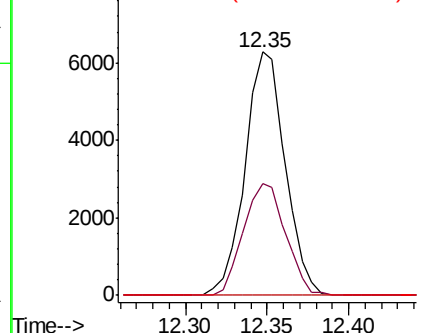
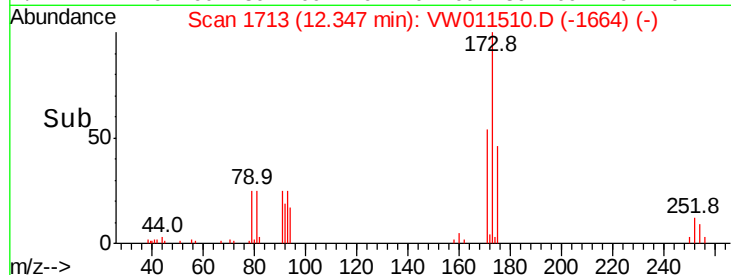


Abundance

Ion 172.70 (172.40 to 173.40): V

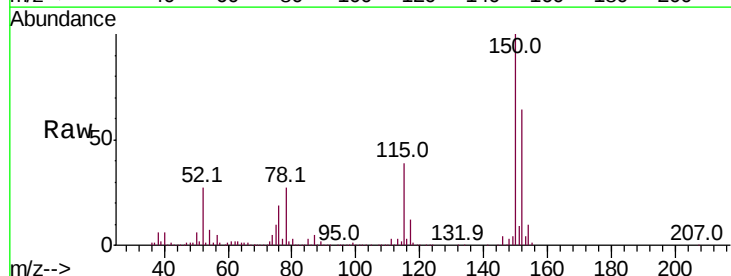
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.5	91.5
150	160.8	0.0	352.6

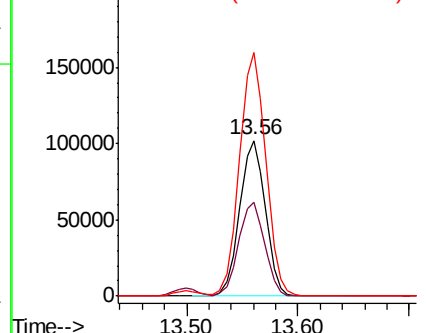
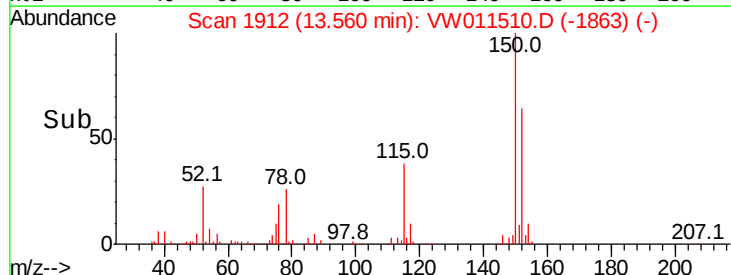


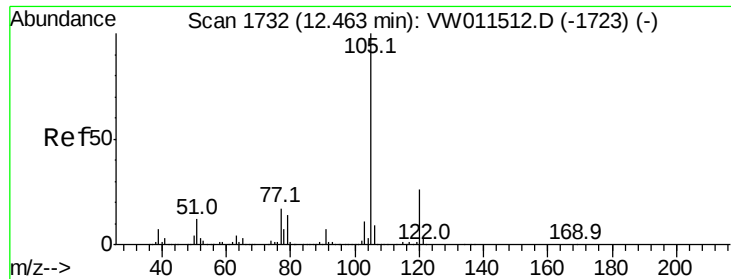
Abundance

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





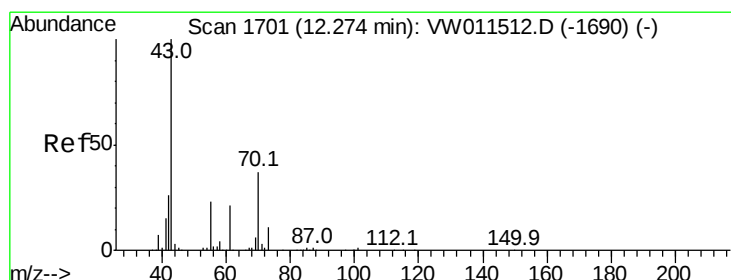
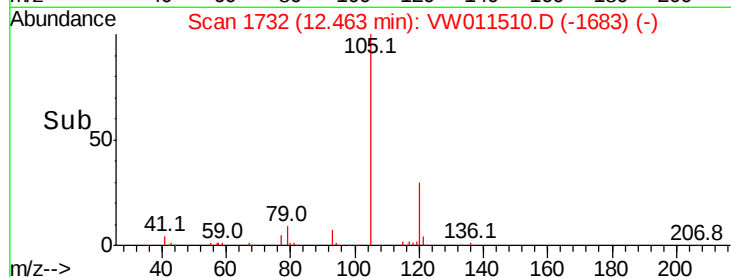
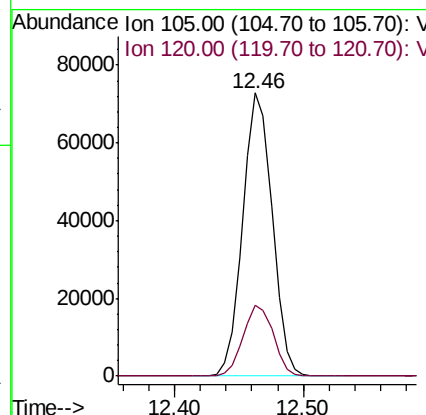
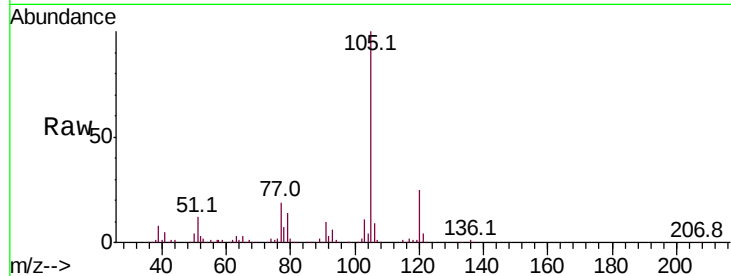
#73
Isopropylbenzene
Concen: 9.490 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7

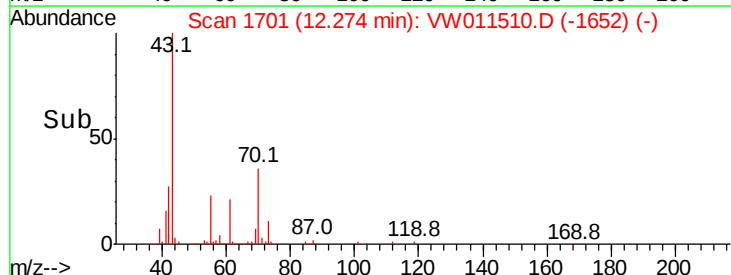
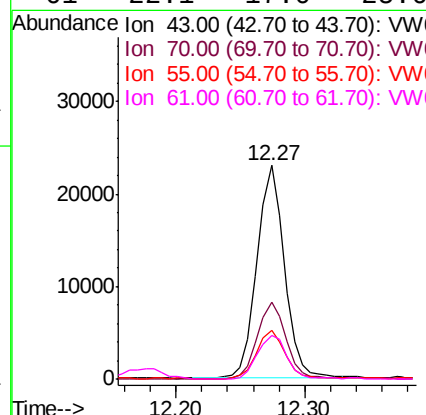
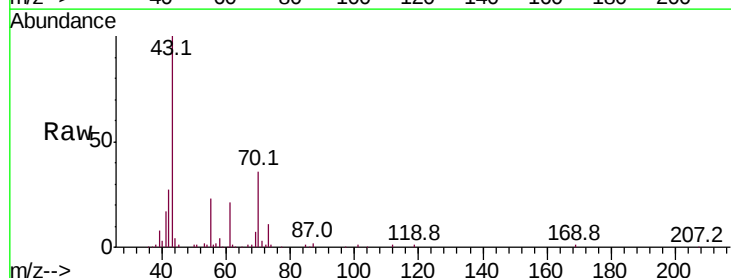
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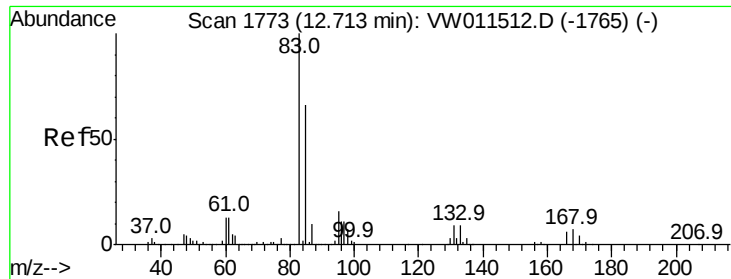
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#74
N-ethyl acetate
Concen: 8.943 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.3	28.6	43.0
55	23.8	17.8	26.8
61	22.1	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 9.486 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

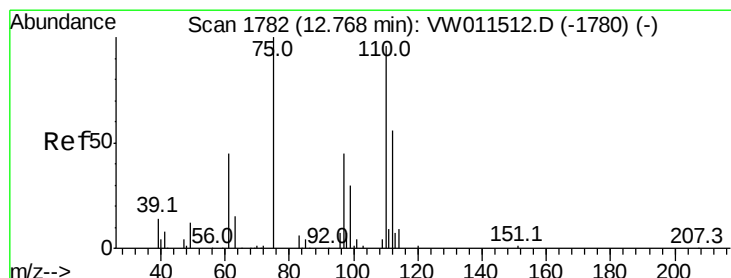
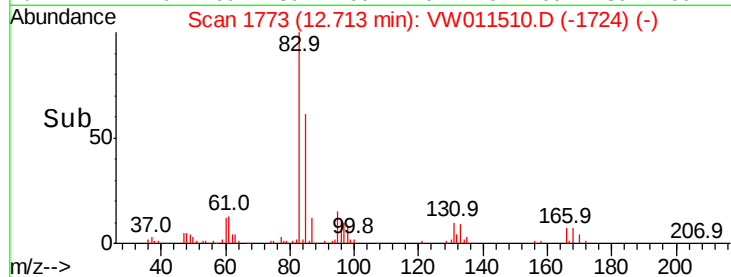
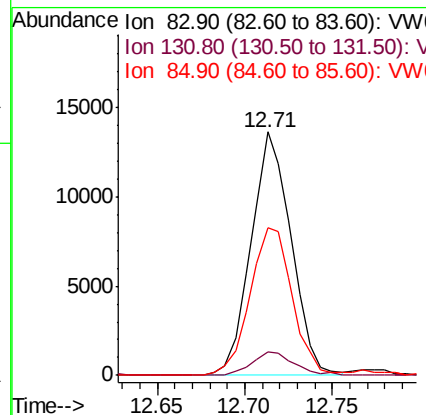
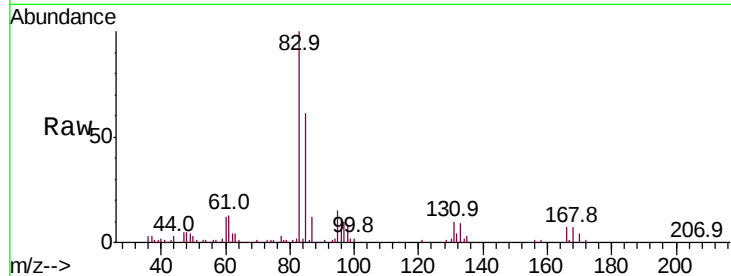
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	21660
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 8.973 ug/l m

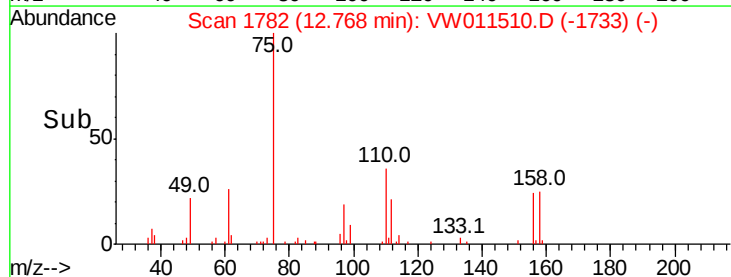
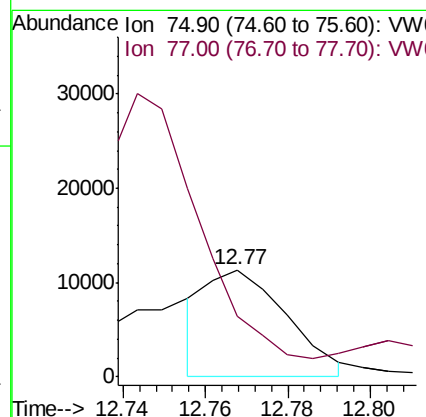
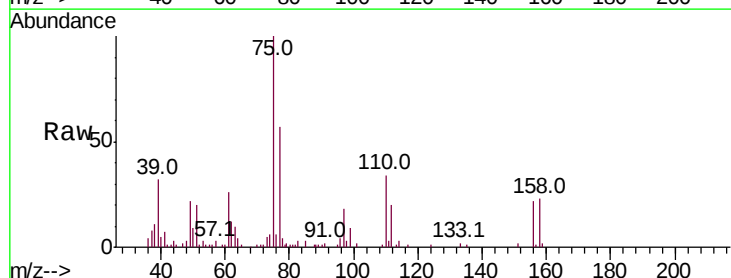
RT: 12.77 min Scan# 1782

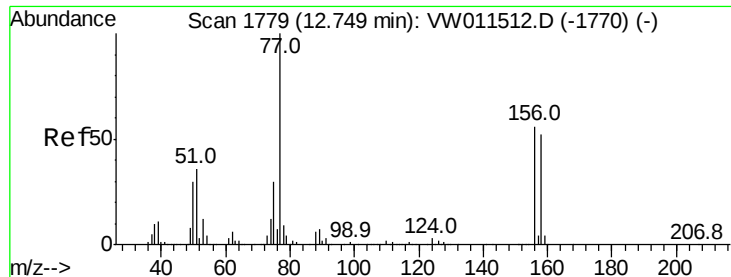
Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Tgt Ion:	75	Resp:	15500
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





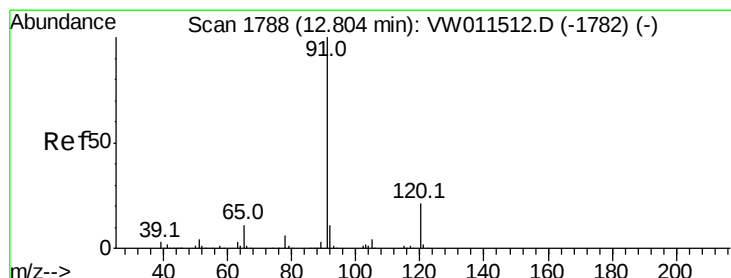
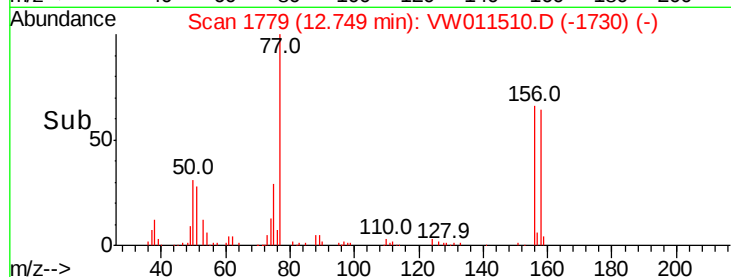
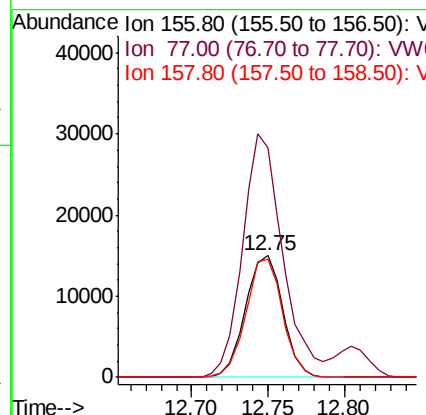
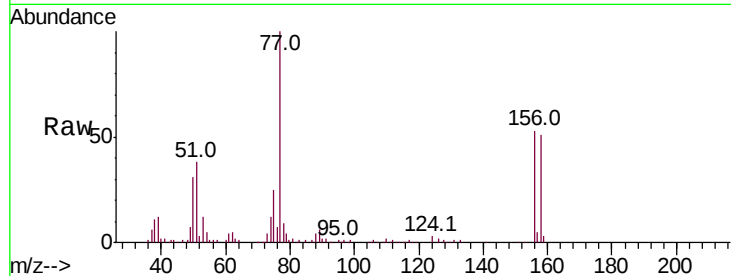
#77
Bromobenzene
Concen: 9.486 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.0	106.5	319.4
158	95.8	48.0	144.2

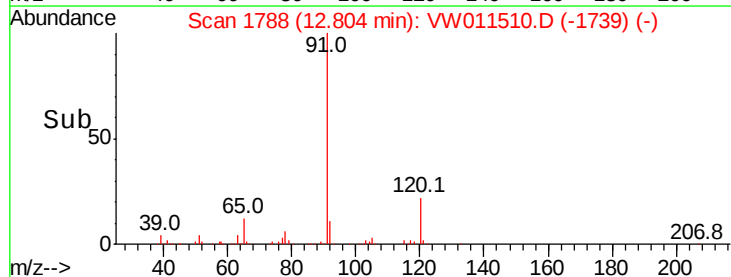
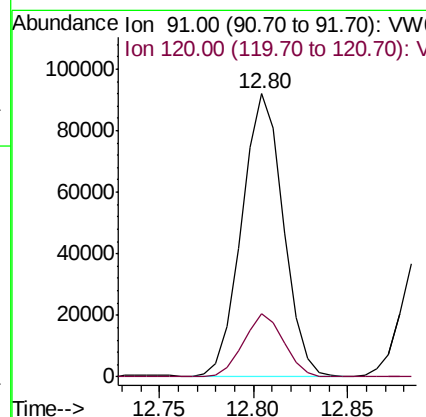
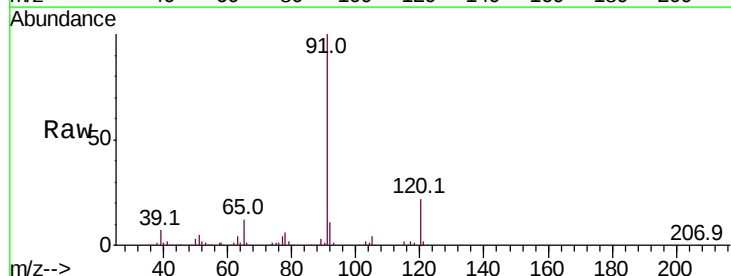
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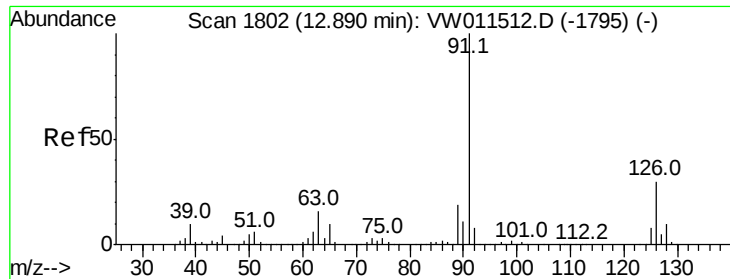
MMDadoda
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#78
n-propylbenzene
Concen: 9.486 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.7





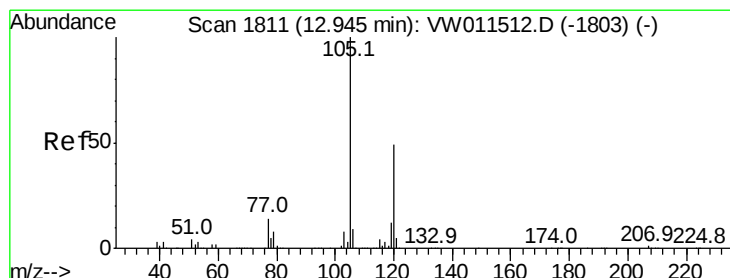
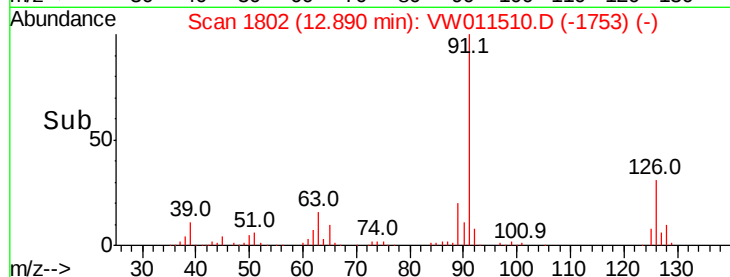
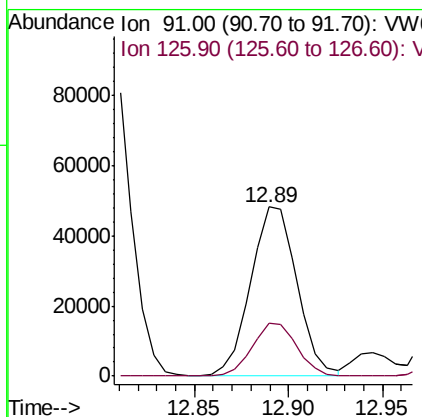
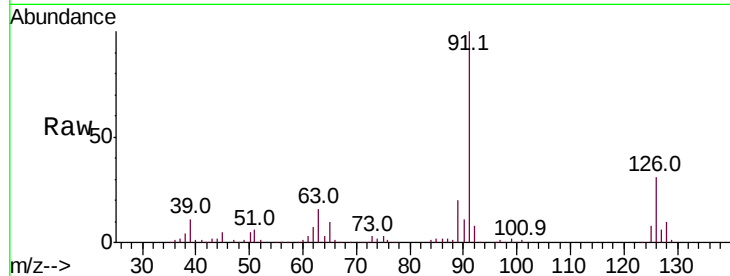
#79
 2-Chlorotoluene
 Concen: 9.647 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 82108
 Ion Ratio Lower Upper
 91 100
 126 30.1 15.7 47.1

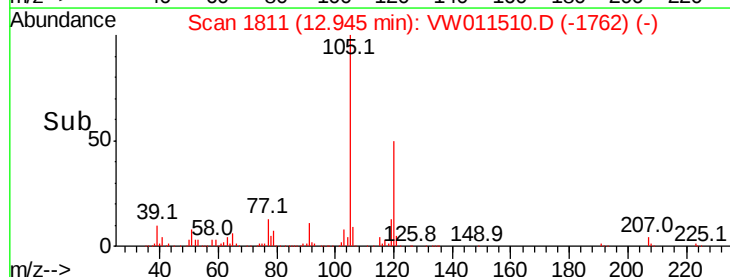
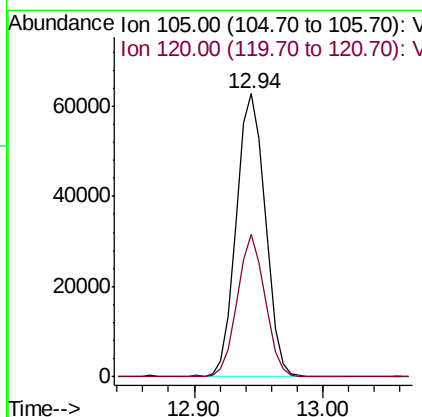
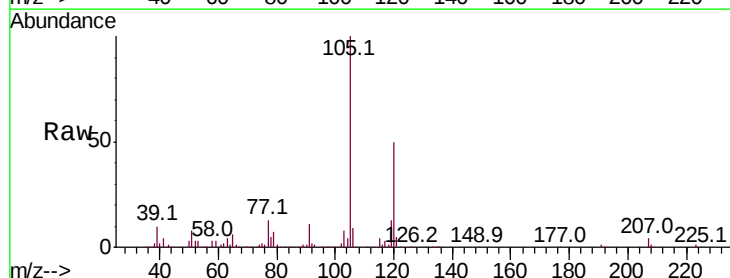
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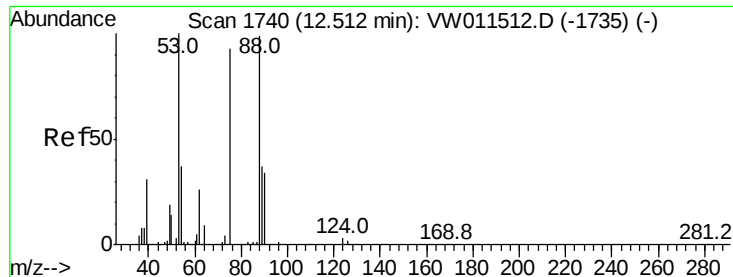
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#80
 1,3,5-Trimethylbenzene
 Concen: 9.642 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion:105 Resp: 98112
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.3





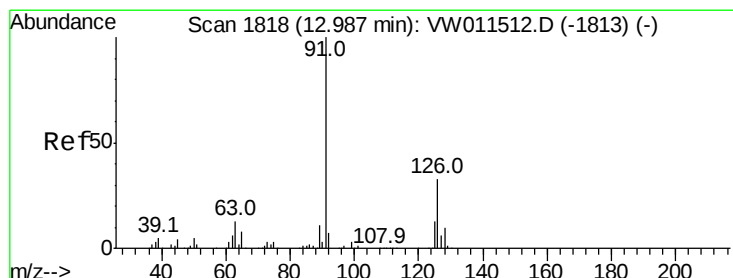
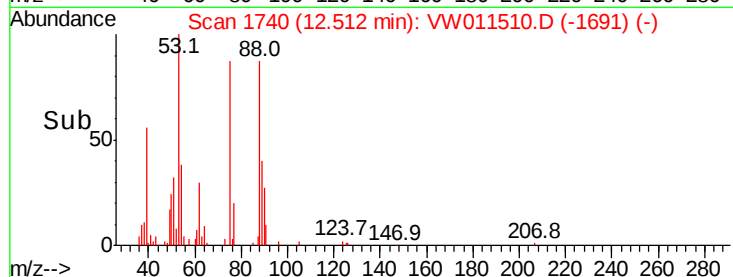
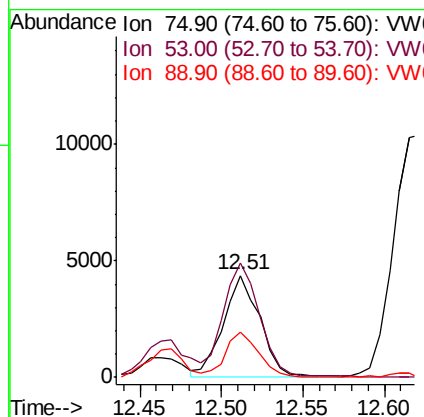
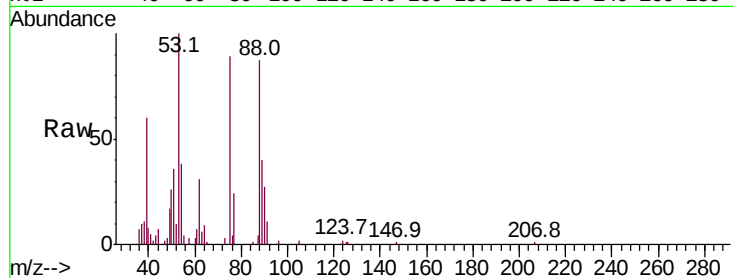
#81
trans-1,4-Dichloro-2-butene
Concen: 9.273 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.1	88.0	132.0
89	40.3	35.3	52.9

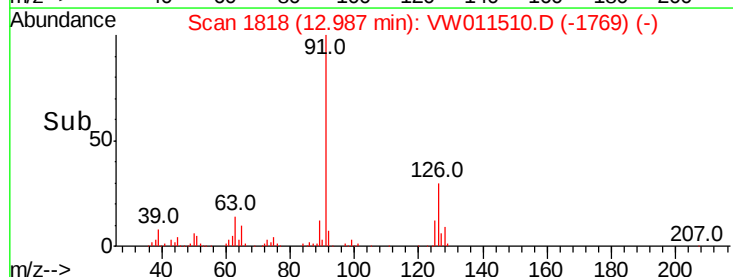
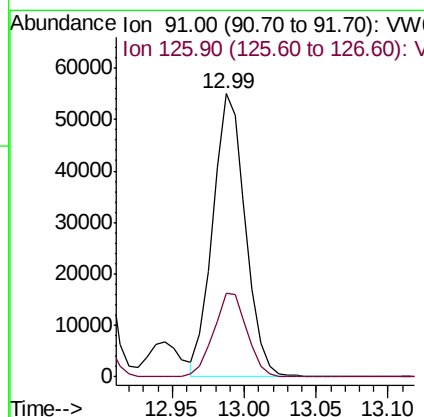
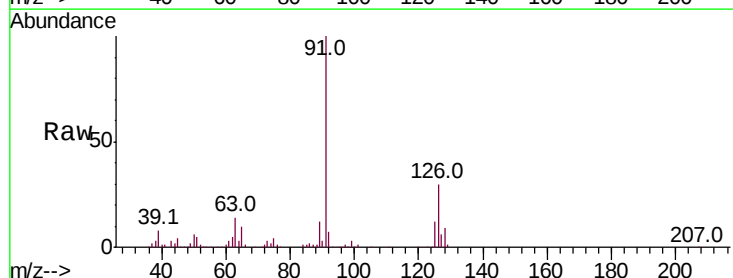
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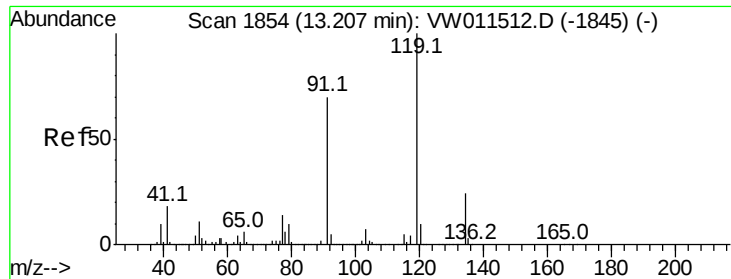
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#82
4-Chlorotoluene
Concen: 9.707 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.6	46.8





#83

tert-Butylbenzene

Concen: 9.547 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

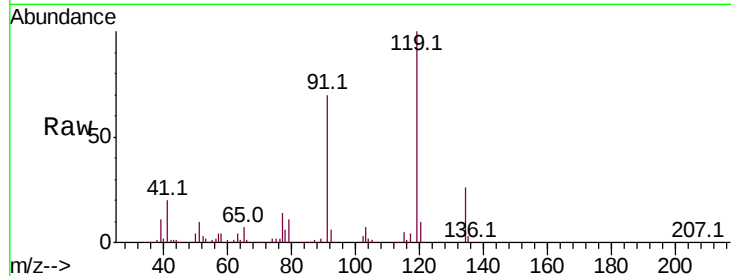
ClientSampleId :

VSTDIC010

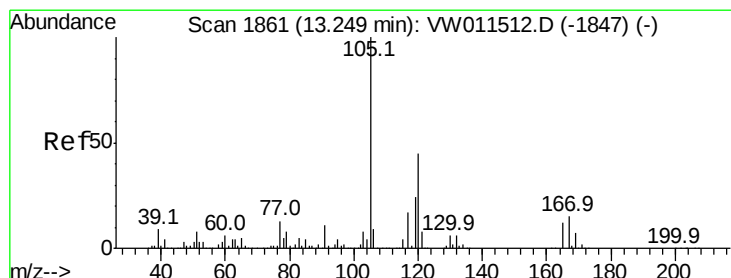
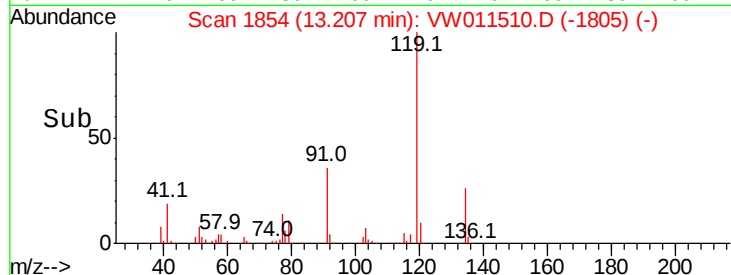
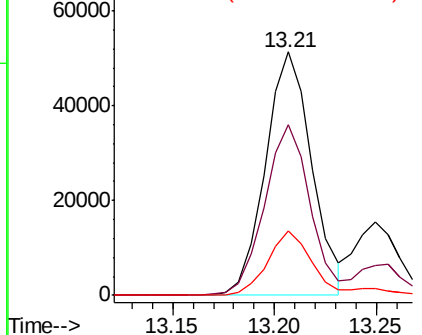
Tot Ion:	119	Resp:	81240
Ion Ratio	Lower	Upper	
119	100		
91	68.5	34.5	103.6
134	25.0	12.4	37.4

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.471 ug/l

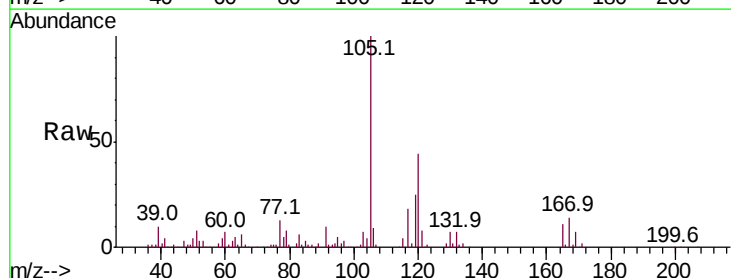
RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

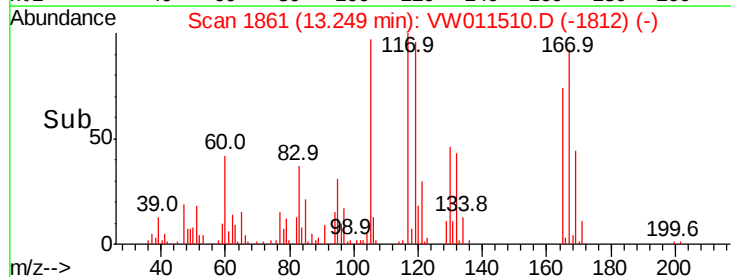
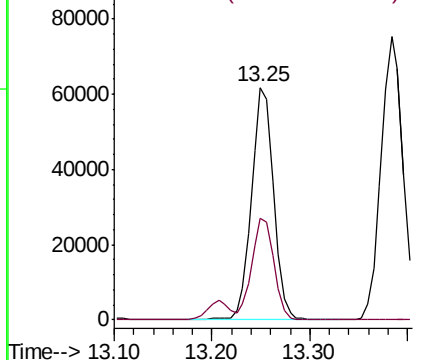
Lab File: VW011510.D

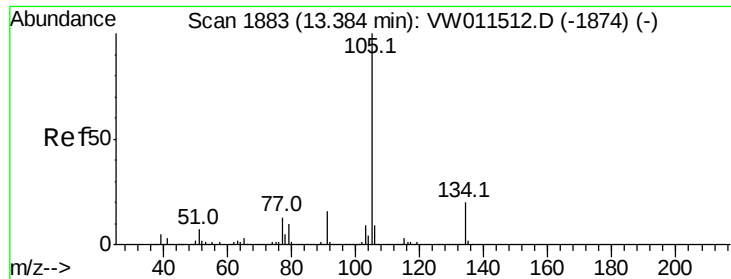
Acq: 26 Jul 2019 11:57

Tgt Ion:	105	Resp:	97087
Ion Ratio	Lower	Upper	
105	100		
120	43.6	22.1	66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.589 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 116432

Ion Ratio Lower Upper

105 100

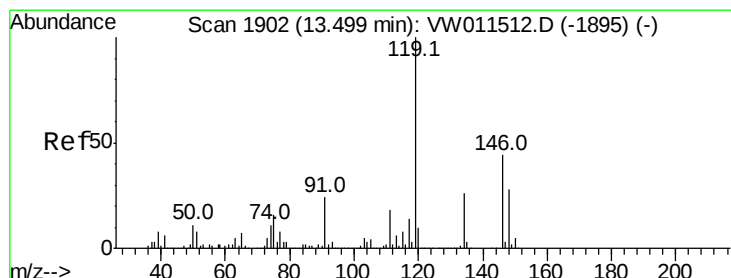
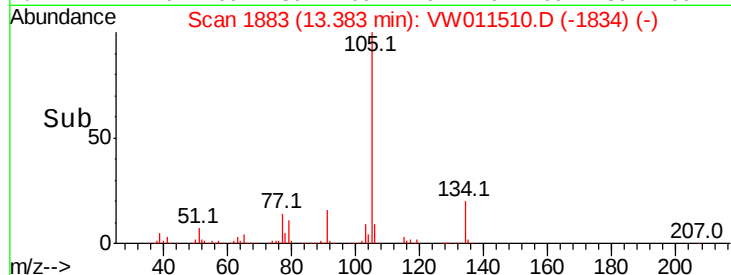
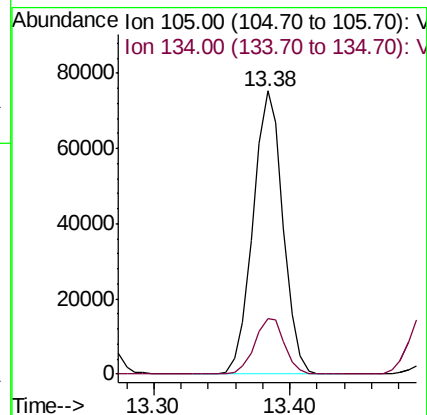
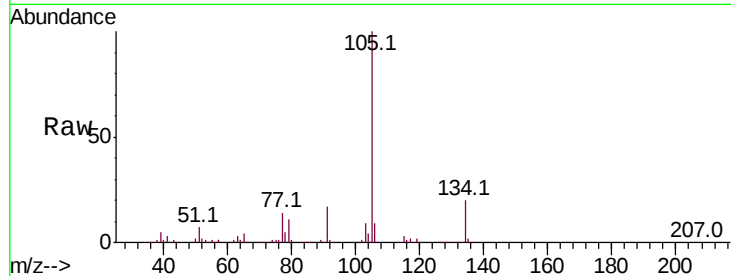
134 19.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 9.602 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

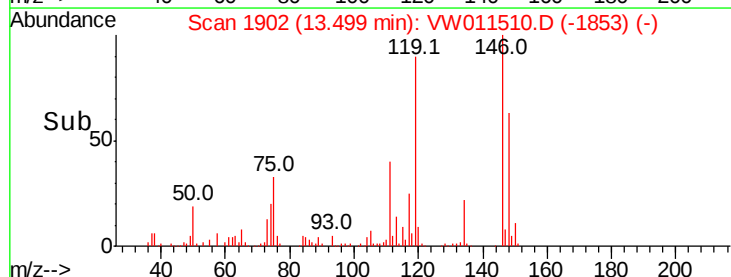
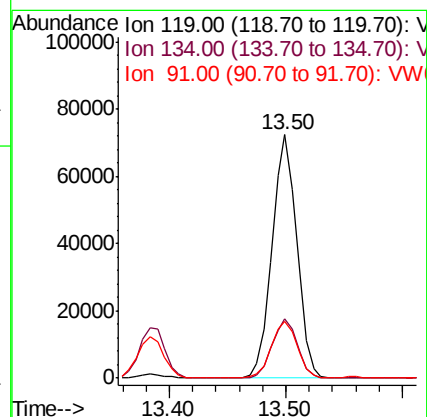
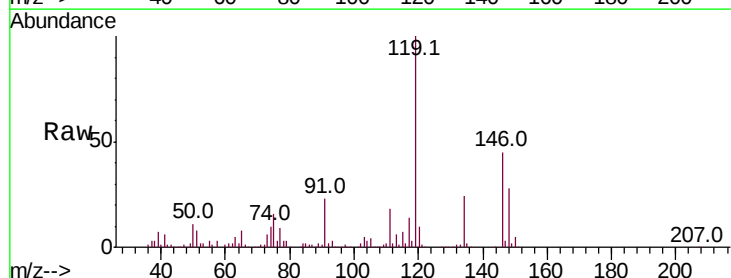
Tgt Ion:119 Resp: 105778

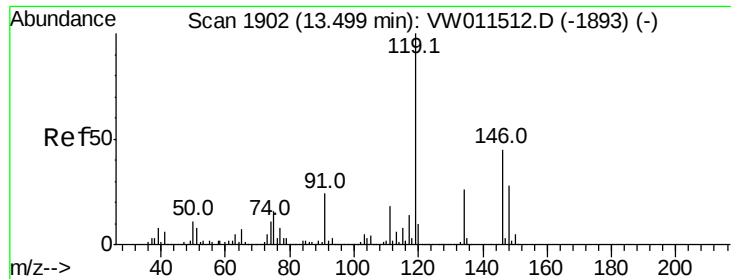
Ion Ratio Lower Upper

119 100

134 24.8 12.8 38.4

91 24.5 12.1 36.3





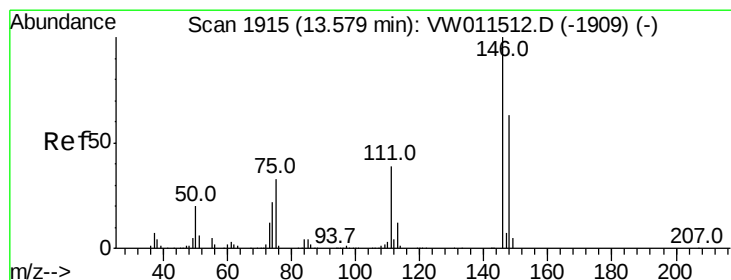
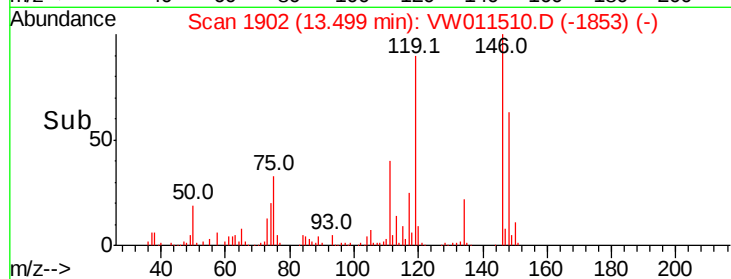
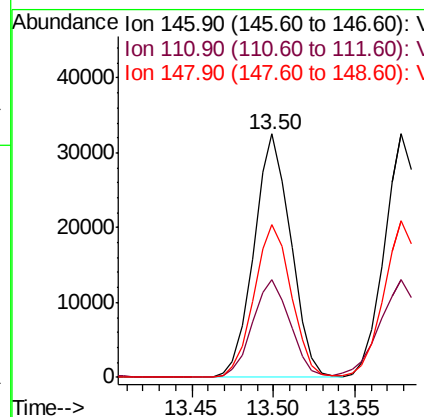
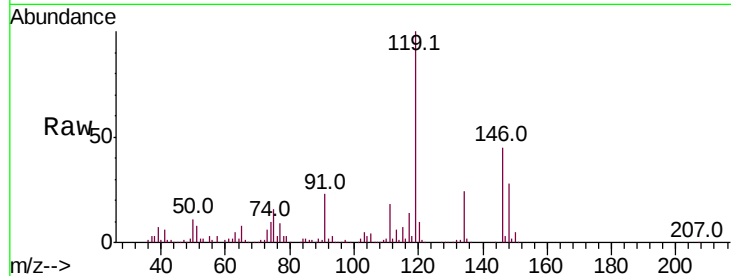
#87
 1,3-Dichlorobenzene
 Concen: 9.708 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	63.8	31.8	95.3

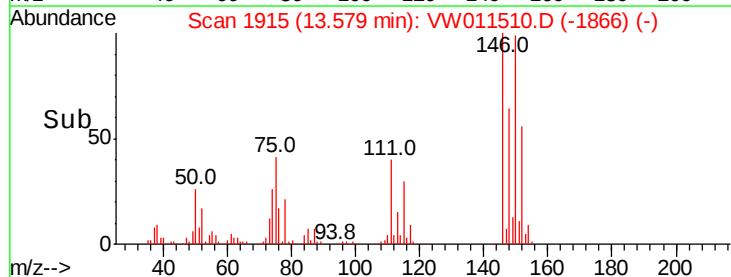
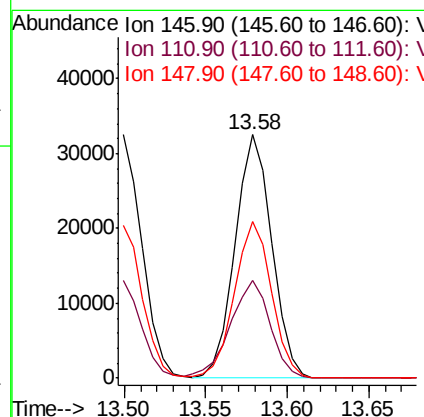
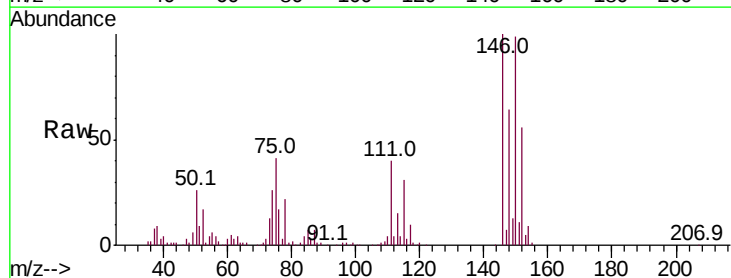
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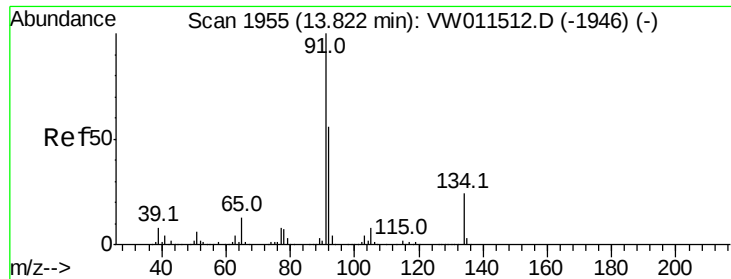
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#88
 1,4-Dichlorobenzene
 Concen: 9.760 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.1	60.2
148	65.2	31.9	95.9





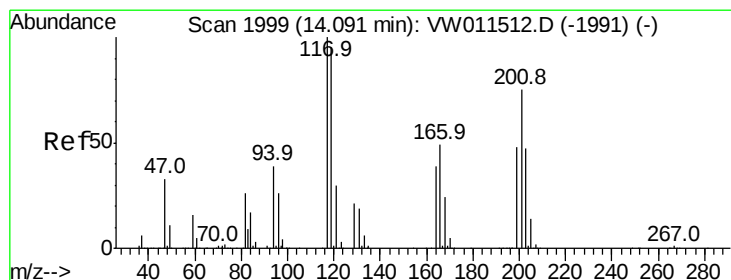
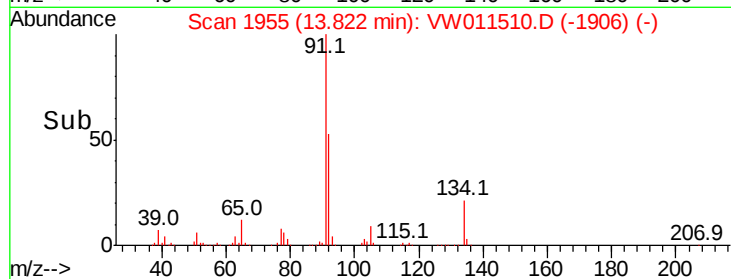
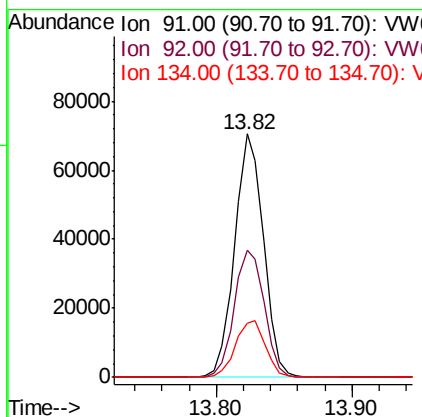
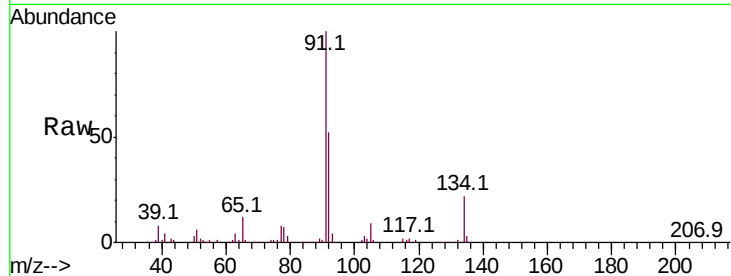
#89
n-Butylbenzene
Concen: 9.445 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.4
134	24.3	12.2	36.6

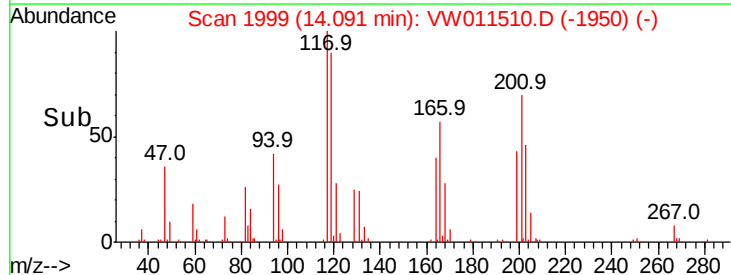
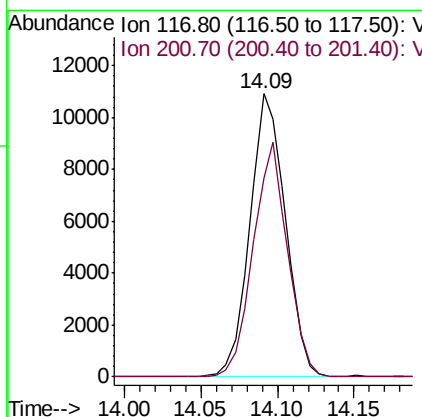
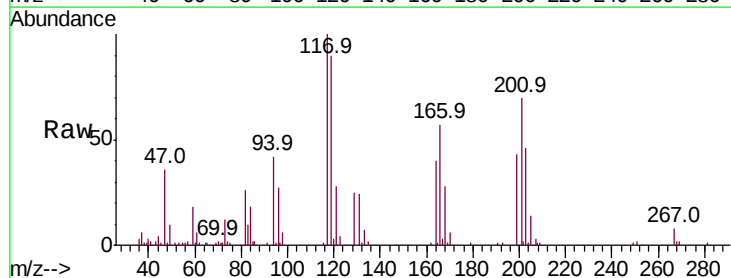
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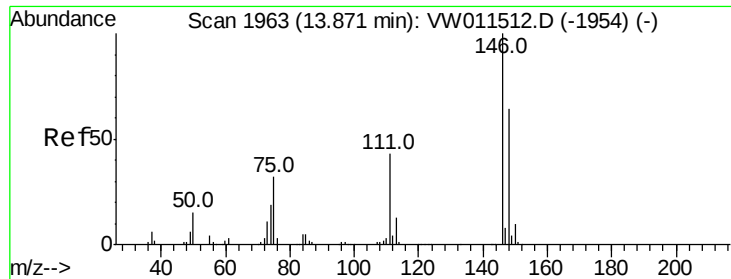
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#90
Hexachloroethane
Concen: 9.057 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011510.D
Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	39.4	118.2





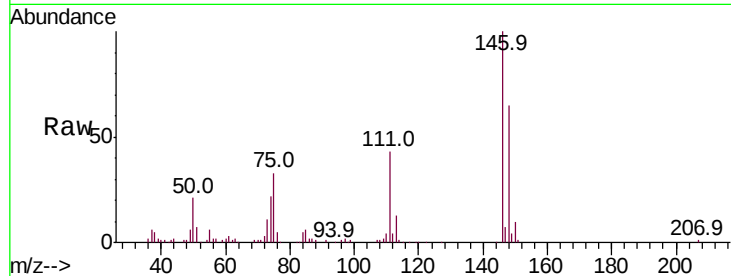
#91
 1,2-Dichlorobenzene
 Concen: 9.682 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	65.4	32.0	96.2

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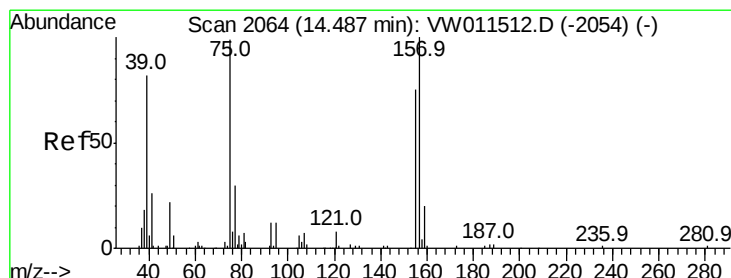
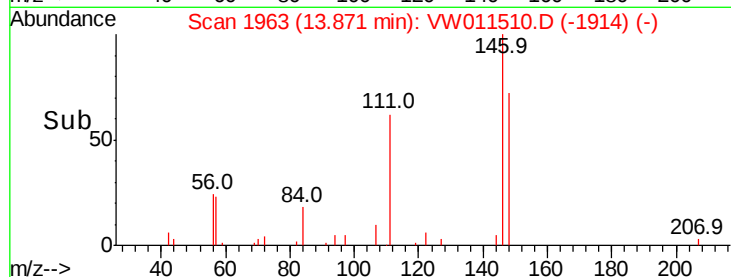
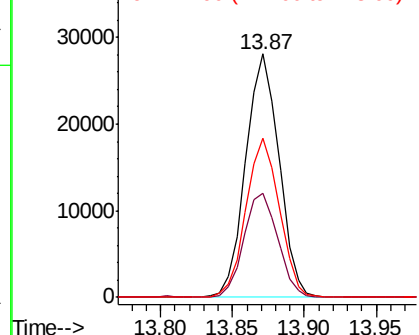


Abundance

Ion 145.90 (145.60 to 146.60): V

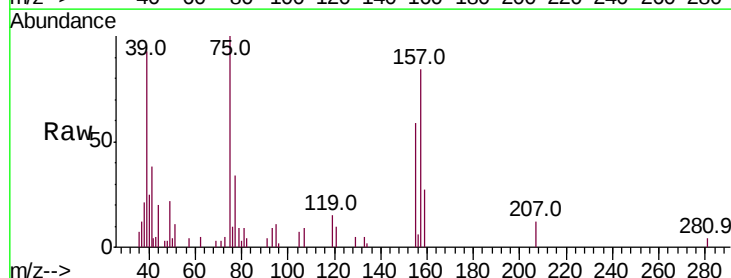
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.104 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	38.2	114.6
157	100.6	48.9	146.7

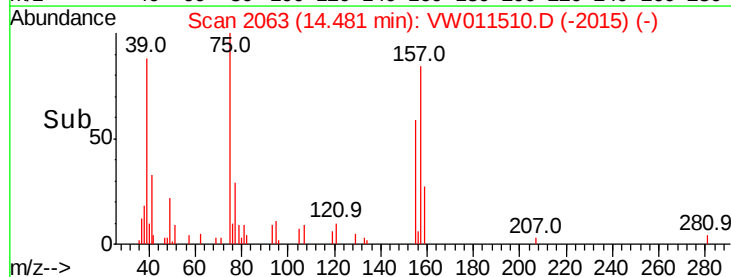
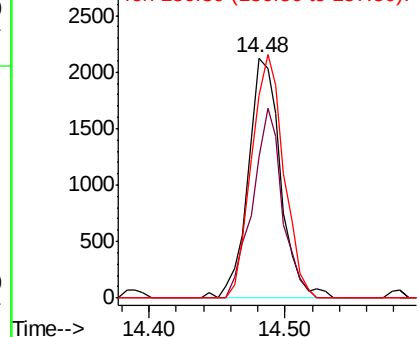


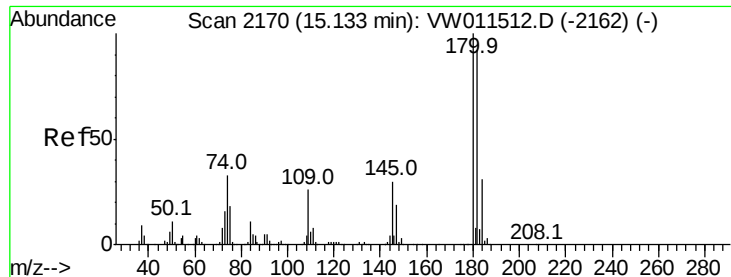
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





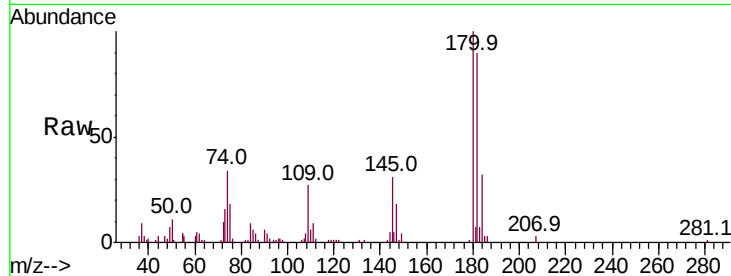
#93
 1,2,4-Trichlorobenzene
 Concen: 9.171 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.4	142.2	
145	31.7	15.4	46.1	

Manual Integrations
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MMDadoda
 7/29/2019 9:17:31 AM

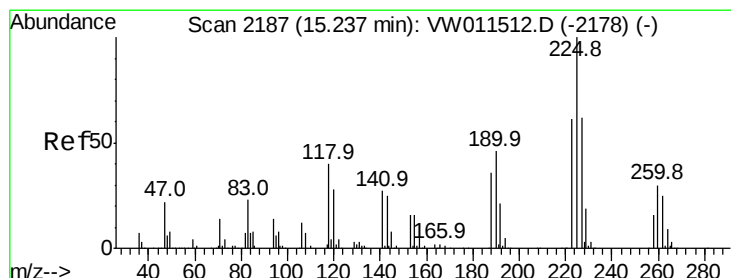
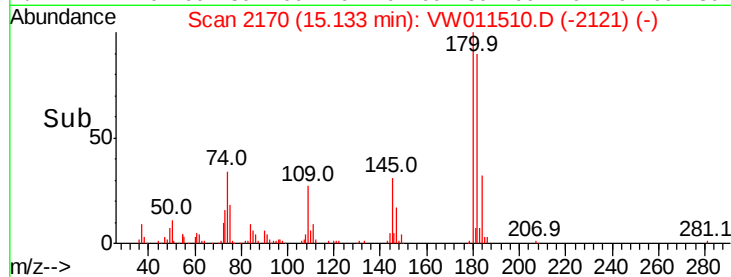
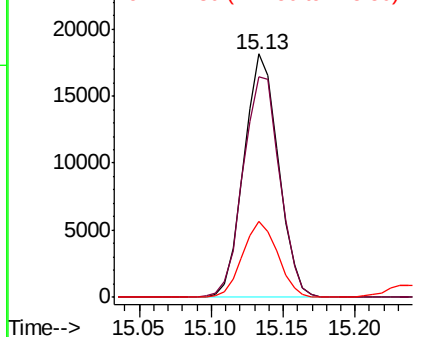


Abundance

Ion 179.80 (179.50 to 180.50): V

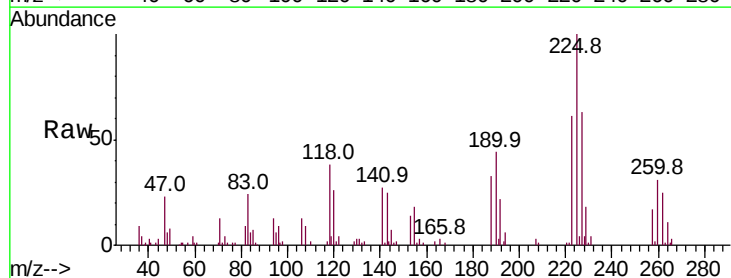
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 9.755 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011510.D
 Acq: 26 Jul 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	30.8	92.3	
227	64.8	31.6	94.7	

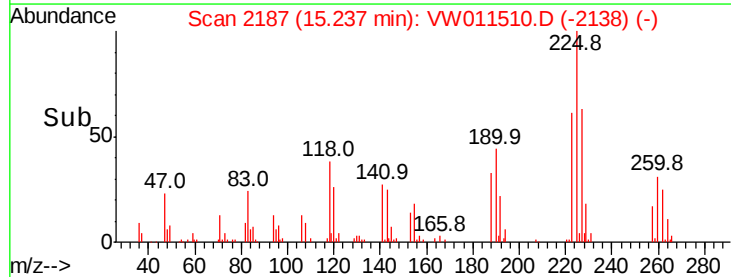
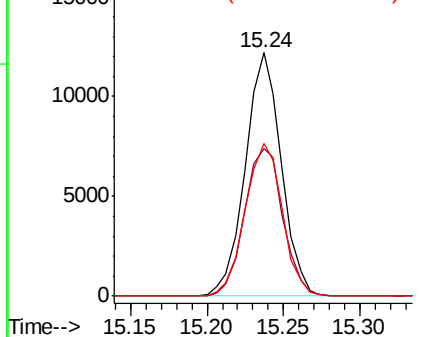


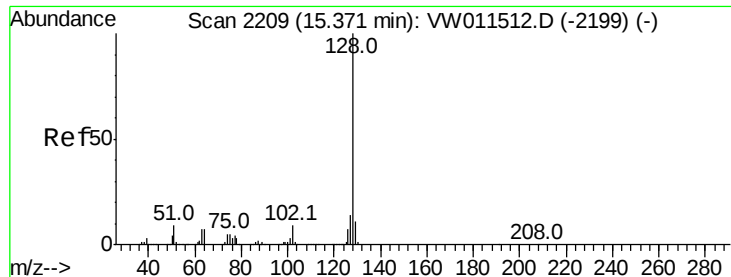
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 8.503 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Instrument :

MSVOA_W

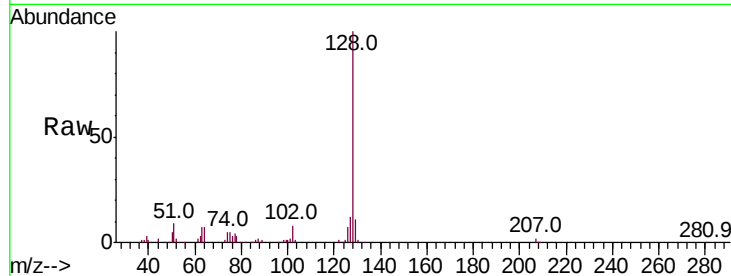
ClientSampleId :

VSTDIC010

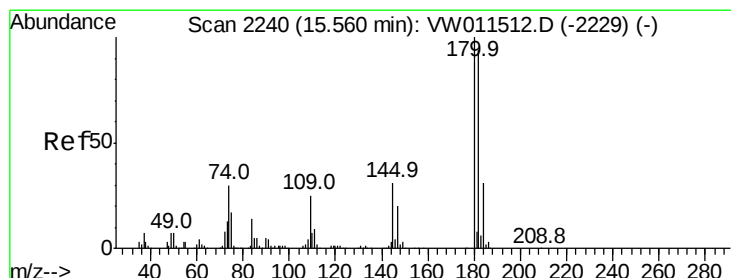
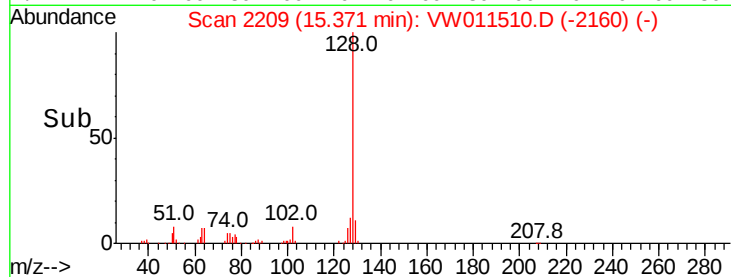
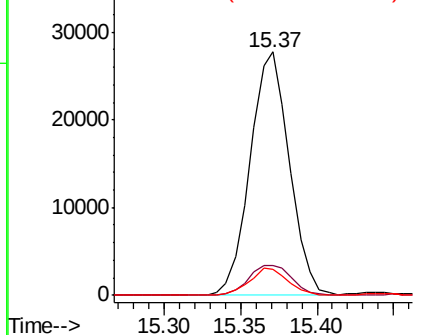
Tot Ion:	128	Resp:	49438
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:31 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 9.377 ug/l

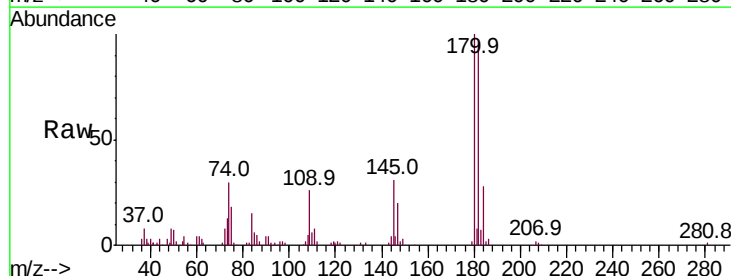
RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011510.D

Acq: 26 Jul 2019 11:57

Tgt Ion:	180	Resp:	26956
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.4	142.2
145	31.7	15.9	47.7



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

