

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011509.D
 Acq On : 26 Jul 2019 11:30
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:17:26 AM

Quant Time: Jul 27 00:16:56 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	255149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	12952	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	
35) Dibromofluoromethane	7.88	113	9771	4.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.36%	
50) Toluene-d8	10.32	98	40708	4.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.50%	
62) 4-Bromofluorobenzene	12.62	95	14869	4.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.72%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5922	4.165	ug/l 92
3) Chloromethane	2.21	50	13059	5.296	ug/l 98
4) Vinyl Chloride	2.35	62	14488	4.880	ug/l 98
5) Bromomethane	2.78	94	8759	5.331	ug/l 93
6) Chloroethane	2.93	64	8080	4.765	ug/l 91
7) Trichlorofluoromethane	3.25	101	6126	4.617	ug/l 91
8) Diethyl Ether	3.68	74	6767	4.499	ug/l 84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12151	4.828	ug/l 100
10) Methyl Iodide	4.26	142	15886	4.467	ug/l 99
11) Tert butyl alcohol	5.14	59	8832	35.908	ug/l # 86
12) 1,1-Dichloroethene	4.04	96	12736	4.793	ug/l 88
13) Acrolein	3.89	56	5276	25.097	ug/l 89
14) Allyl chloride	4.66	41	25652	4.539	ug/l 94
15) Acrylonitrile	5.37	53	17409	23.184	ug/l 96
16) Acetone	4.12	43	27624	29.640	ug/l 97
17) Carbon Disulfide	4.38	76	38530	4.633	ug/l 99
18) Methyl Acetate	4.67	43	10341	4.939	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	19455	4.614	ug/l 99
20) Methylene Chloride	4.91	84	18079	5.625	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	13763	4.804	ug/l 99
22) Diisopropyl ether	6.31	45	50654	4.754	ug/l 99
23) Vinyl Acetate	6.25	43	145821	21.779	ug/l 100
24) 1,1-Dichloroethane	6.21	63	27105	4.750	ug/l 99
25) 2-Butanone	7.17	43	29565	24.243	ug/l 96
26) 2,2-Dichloropropane	7.16	77	21144	6.025	ug/l 90
27) cis-1,2-Dichloroethene	7.17	96	15293	4.850	ug/l 89
28) Bromochloromethane	7.51	49	11966	4.724	ug/l # 99
29) Tetrahydrofuran	7.53	42	15585	22.357	ug/l 97
30) Chloroform	7.67	83	26592	5.051	ug/l 97
31) Cyclohexane	7.96	56	30391	5.548	ug/l # 87
32) 1,1,1-Trichloroethane	7.87	97	18890	4.711	ug/l 98
36) 1,1-Dichloropropene	8.08	75	21262	4.906	ug/l 99
37) Ethyl Acetate	7.25	43	11880	4.765	ug/l # 96
38) Carbon Tetrachloride	8.07	117	17719	4.776	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	22701	4.757	ug/l	98
40) Benzene	8.32	78	59064	4.866	ug/l	98
41) Methacrylonitrile	7.48	41	6279	4.213	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	18239	4.799	ug/l	98
43) Isopropyl Acetate	8.43	43	20399	4.449	ug/l	99
44) Trichloroethene	9.09	130	14025	4.807	ug/l	91
45) 1,2-Dichloropropane	9.37	63	15067	4.639	ug/l	97
46) Dibromomethane	9.46	93	7123	4.805	ug/l	97
47) Bromodichloromethane	9.65	83	17932	4.611	ug/l	95
48) Methyl methacrylate	9.44	41	9492	4.309	ug/l	96
49) 1,4-Dioxane	9.45	88	1996	92.991	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	52921	22.189	ug/l	99
52) Toluene	10.39	92	34374	4.689	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	17789	4.379	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	20768	4.300	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	10098	4.801	ug/l	95
56) Ethyl methacrylate	10.65	69	12415	4.034	ug/l	97
57) 1,3-Dichloropropane	10.93	76	18234	4.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	21864	15.646	ug/l	98
59) 2-Hexanone	10.97	43	34584	20.537	ug/l	98
60) Dibromochloromethane	11.13	129	10179	4.360	ug/l	97
61) 1,2-Dibromoethane	11.24	107	8985	4.514	ug/l	97
64) Tetrachloroethene	10.87	164	11592	4.963	ug/l	99
65) Chlorobenzene	11.66	112	35158	4.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	11844	4.715	ug/l	98
67) Ethyl Benzene	11.73	91	64668	4.708	ug/l	99
68) m/p-Xylenes	11.84	106	47100	9.429	ug/l	100
69) o-Xylene	12.17	106	21342	4.598	ug/l	98
70) Styrene	12.18	104	35737	4.453	ug/l	99
71) Bromoform	12.35	173	5669	4.426	ug/l #	97
73) Isopropylbenzene	12.46	105	62790	4.878	ug/l	99
74) N-amyl acetate	12.27	43	17180	4.263	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	11215	4.632	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	9808m	5.354	ug/l	
77) Bromobenzene	12.75	156	13728	4.825	ug/l	100
78) n-propylbenzene	12.80	91	74726	4.770	ug/l	99
79) 2-Chlorotoluene	12.90	91	43600	4.831	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	50250	4.657	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3066	3.870	ug/l	86
82) 4-Chlorotoluene	12.99	91	45876	4.845	ug/l	99
83) tert-Butylbenzene	13.21	119	42253	4.683	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	51708	4.757	ug/l	99
85) sec-Butylbenzene	13.38	105	61635	4.787	ug/l	98
86) p-Isopropyltoluene	13.50	119	55376	4.740	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	27698	4.965	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	28004	5.046	ug/l	93
89) n-Butylbenzene	13.82	91	55548	4.765	ug/l	99
90) Hexachloroethane	14.10	117	9634	4.664	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	24275	4.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1831	4.435	ug/l	95

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ClientSampleId :
VSTDICC005

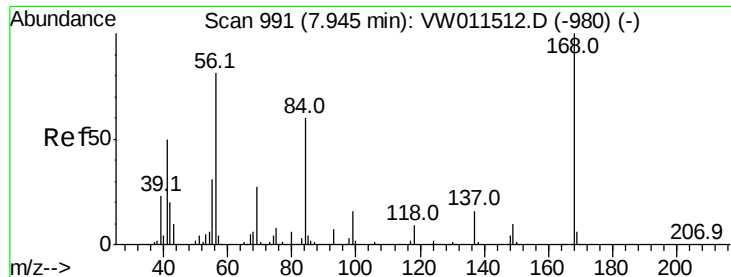
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	15746	4.528	ug/l	99
94) Hexachlorobutadiene	15.24	225	10645	4.909	ug/l	98
95) Naphthalene	15.37	128	23593	3.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	13602	4.462	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: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 255149

Ion Ratio Lower Upper

168 100

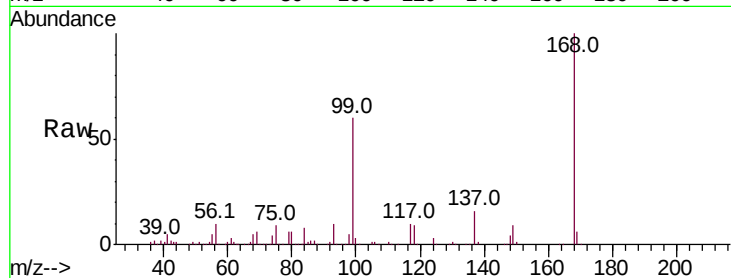
99 59.5 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

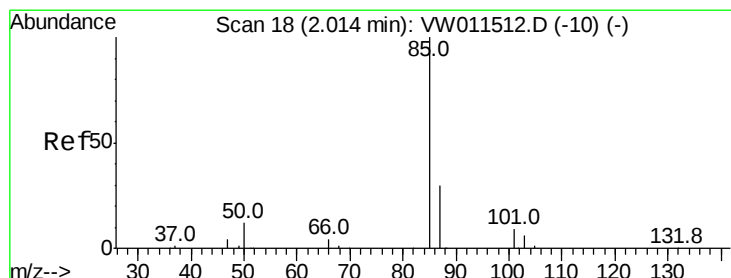
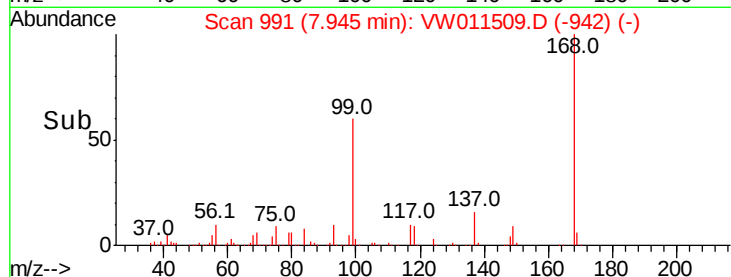
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.165 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011509.D

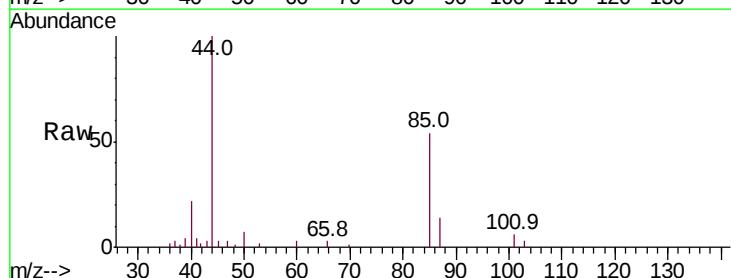
Acq: 26 Jul 2019 11:30

Tgt Ion: 85 Resp: 5922

Ion Ratio Lower Upper

85 100

87 25.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

2500

2000

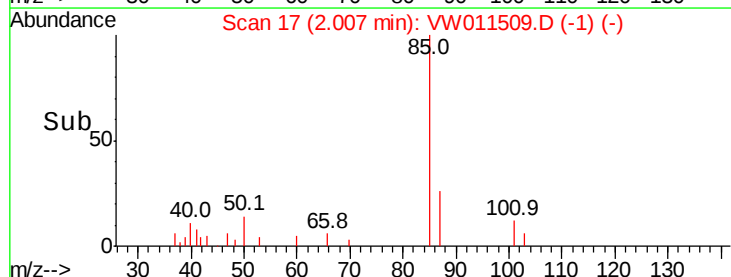
1500

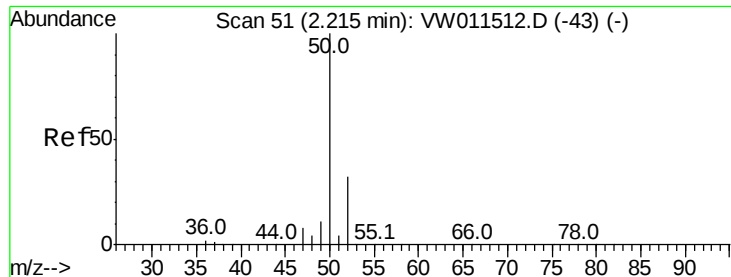
1000

500

0

Time-->





#3

Chloromethane

Concen: 5.296 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13059

Ion Ratio Lower Upper

50 100

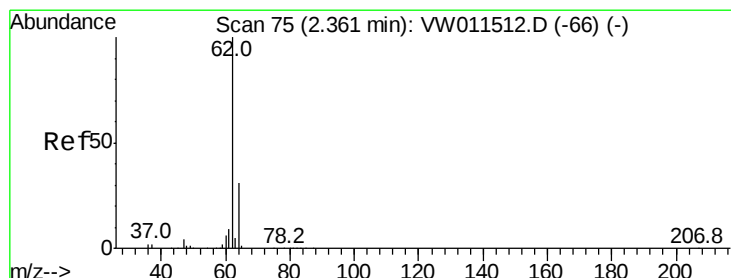
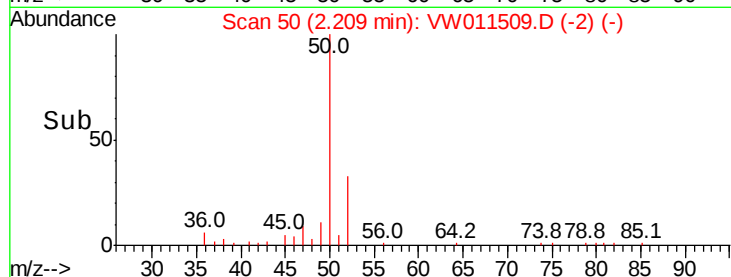
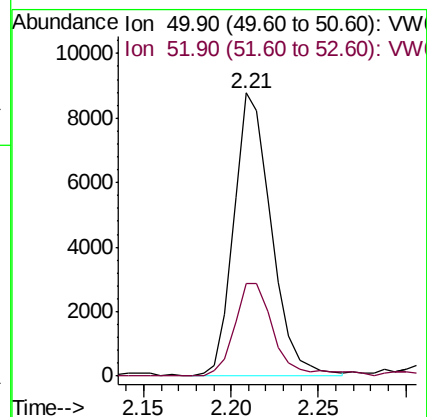
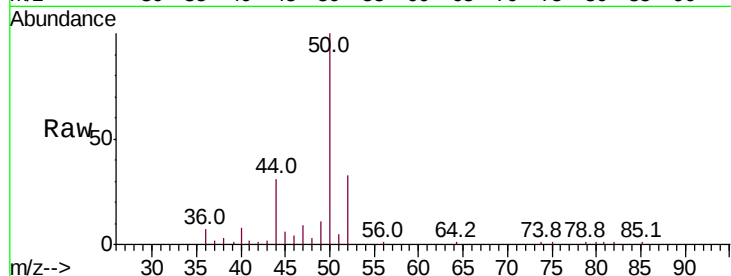
52 32.9 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.880 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011509.D

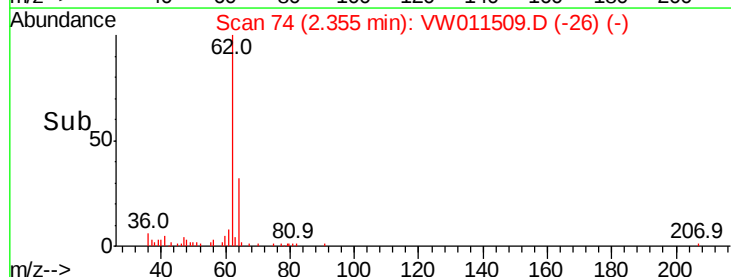
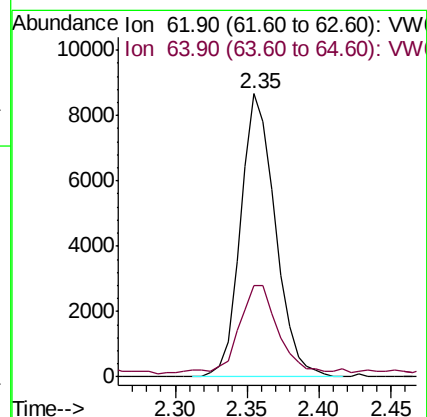
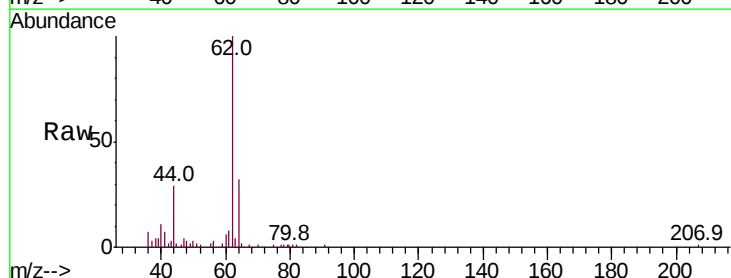
Acq: 26 Jul 2019 11:30

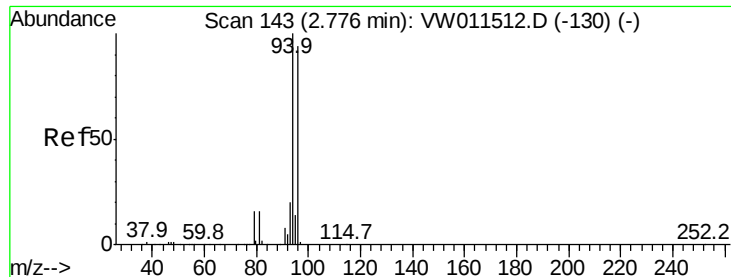
Tgt Ion: 62 Resp: 14488

Ion Ratio Lower Upper

62 100

64 30.0 25.0 37.4





#5

Bromomethane

Concen: 5.331 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8759

Ion Ratio Lower Upper

94 100

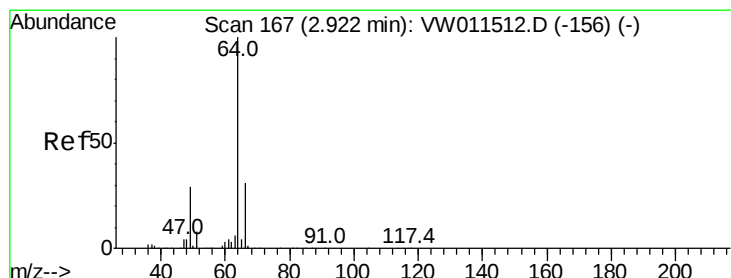
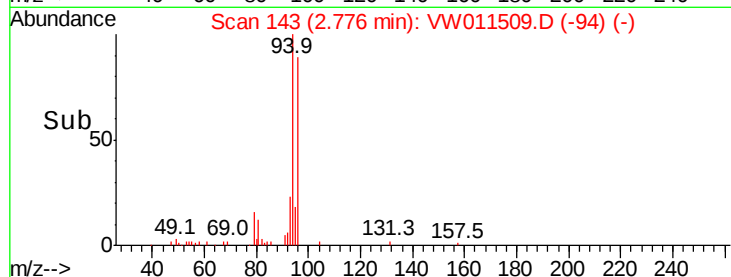
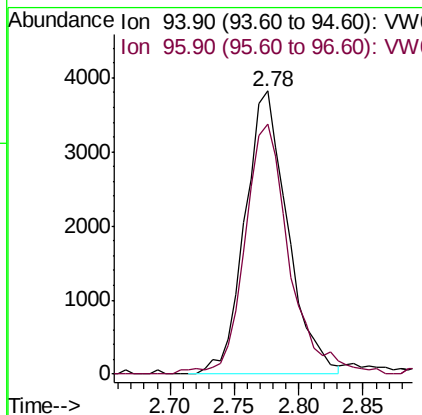
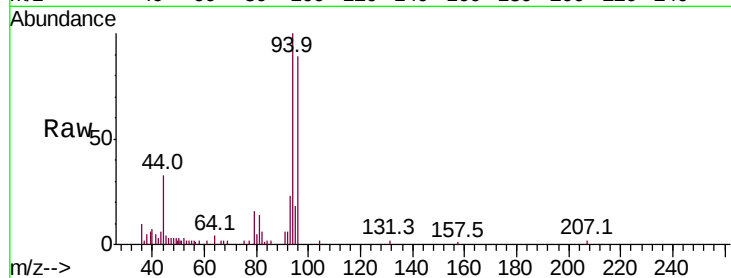
96 87.1 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 4.765 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW011509.D

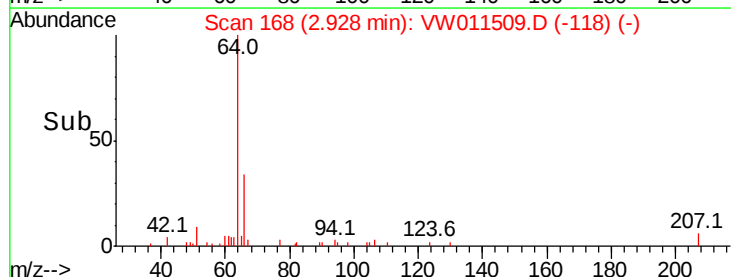
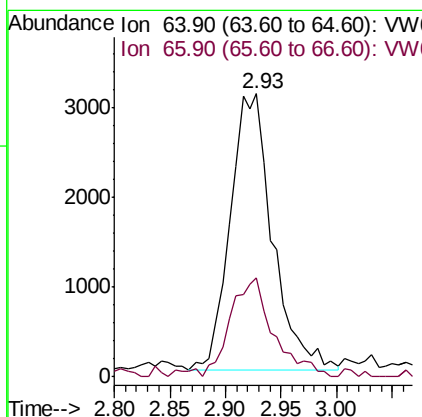
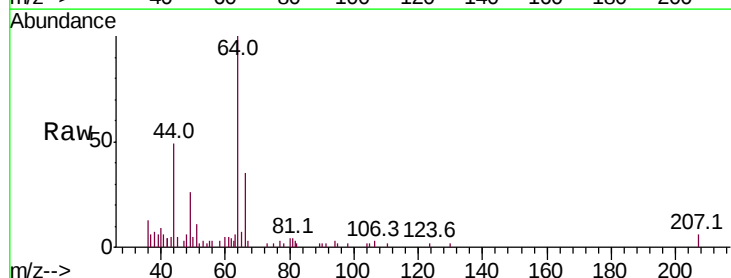
Acq: 26 Jul 2019 11:30

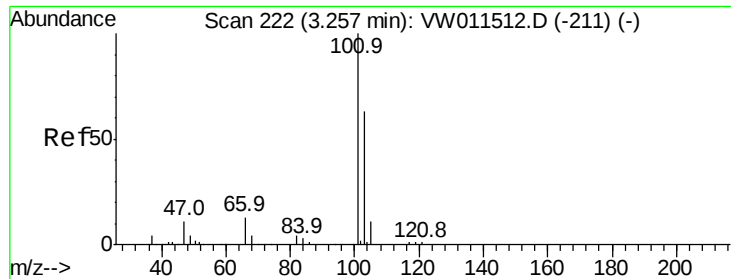
Tgt Ion: 64 Resp: 8080

Ion Ratio Lower Upper

64 100

66 35.9 24.6 36.8





#7

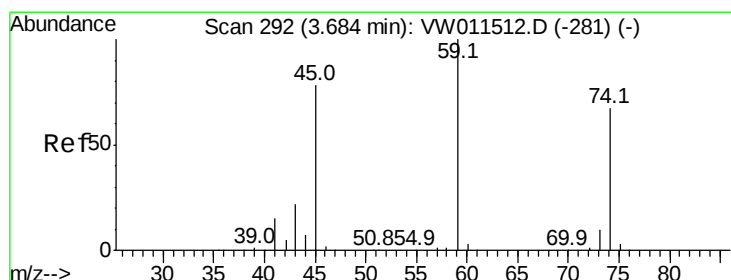
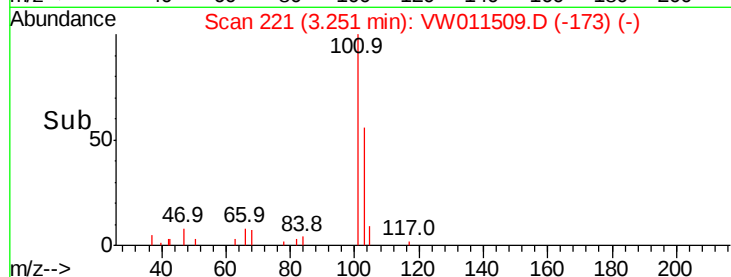
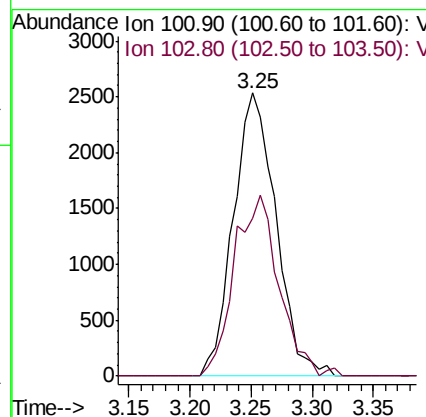
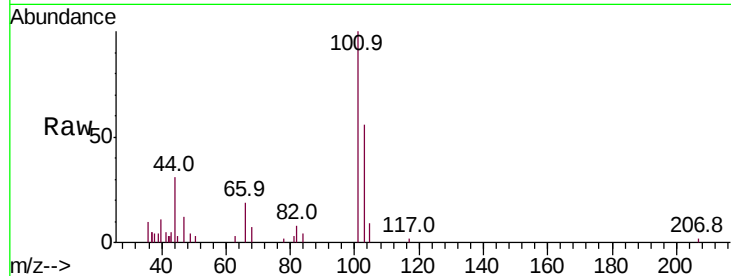
Trichlorofluoromethane
 Concen: 4.617 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

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 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.8	50.2	75.4

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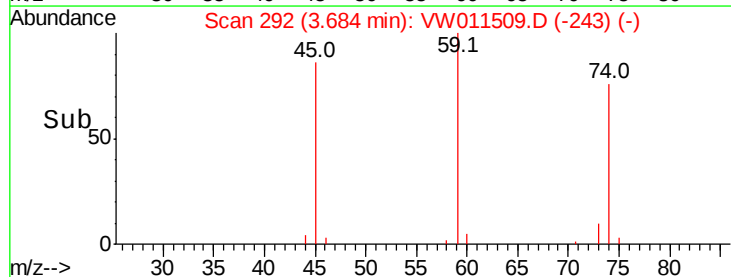
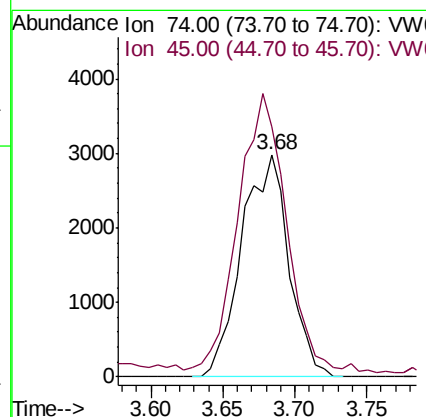
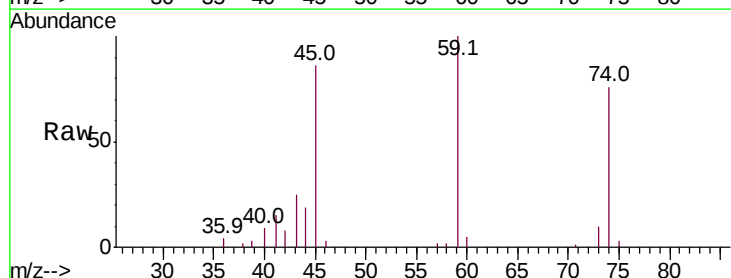
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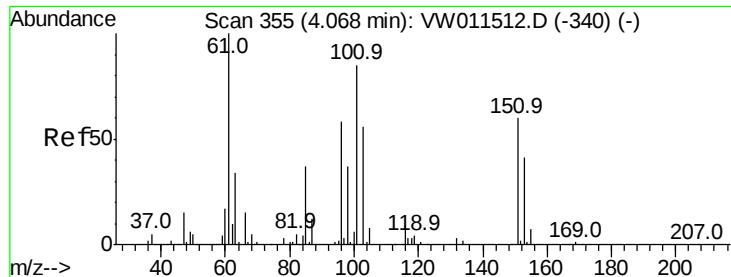


#8

Diethyl Ether
 Concen: 4.499 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	136.5	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.828 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

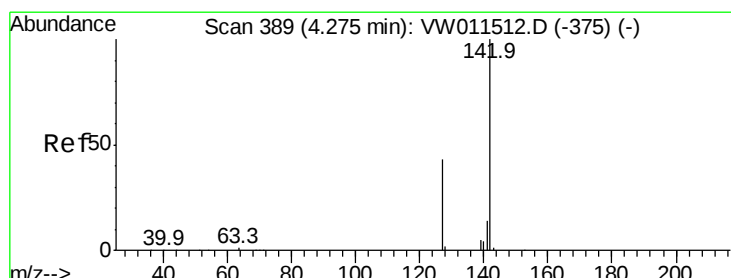
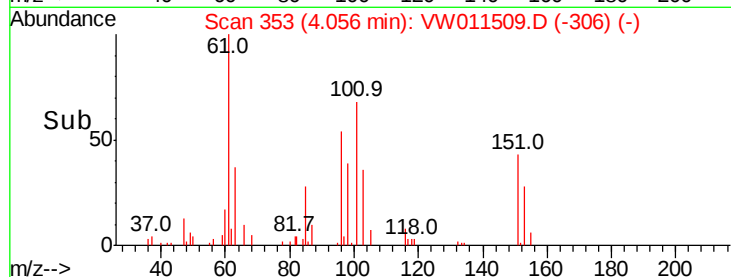
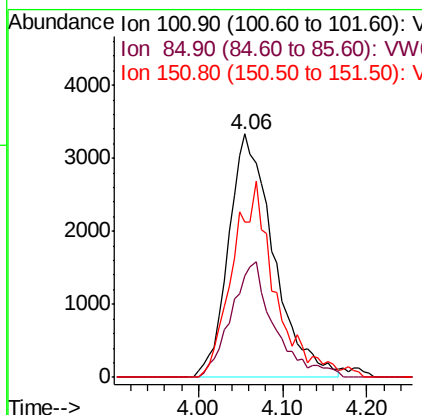
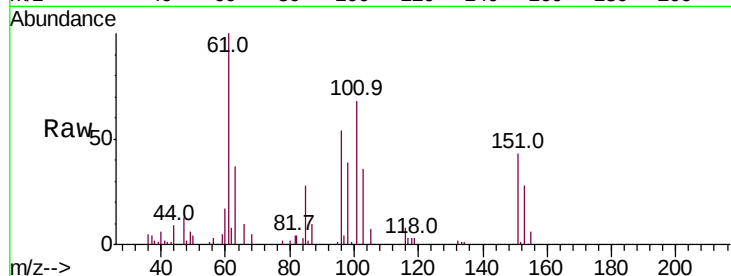
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12151
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.6	54.8
151	75.6	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 4.467 ug/l

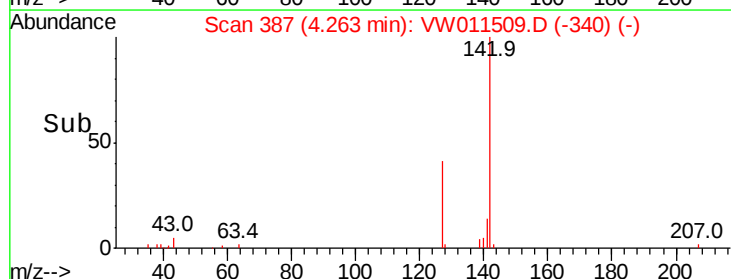
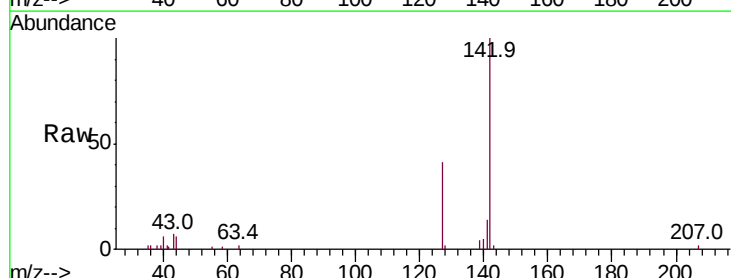
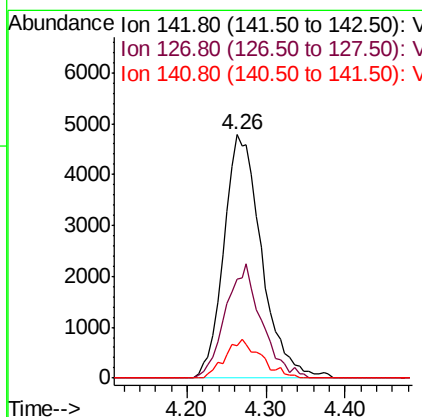
RT: 4.26 min Scan# 387

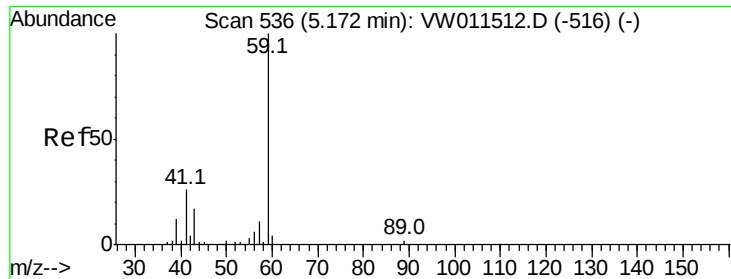
Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion:	142	Resp:	15886
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.0	52.6
141	15.2	11.9	17.9





#11

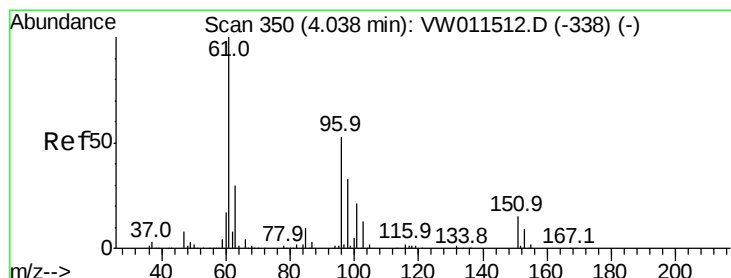
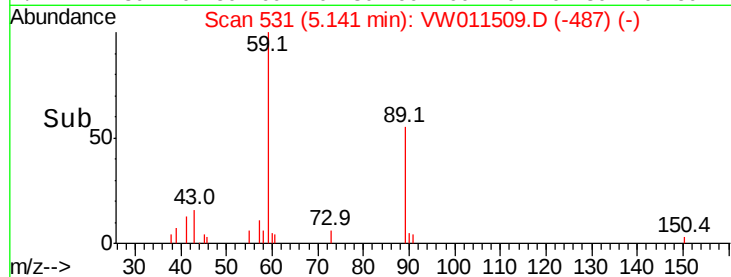
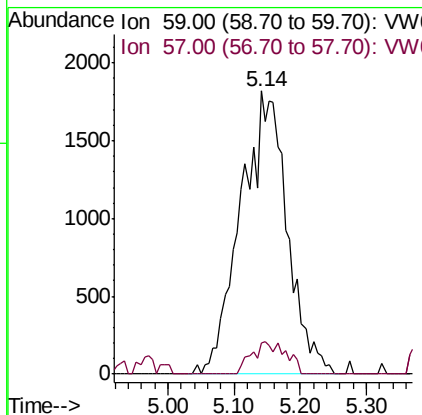
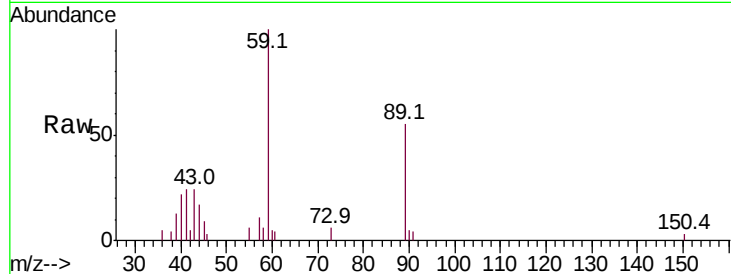
Tert butyl alcohol
 Concen: 35.908 ug/l
 RT: 5.14 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.5	12.7#

Manual Integrations
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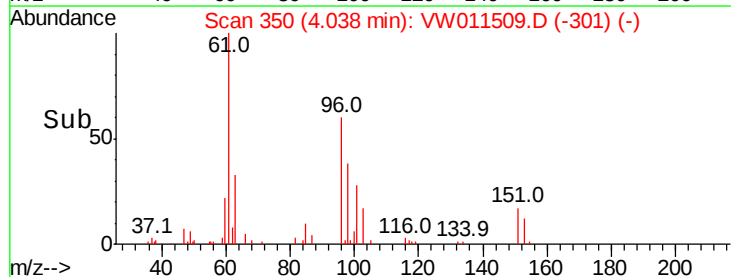
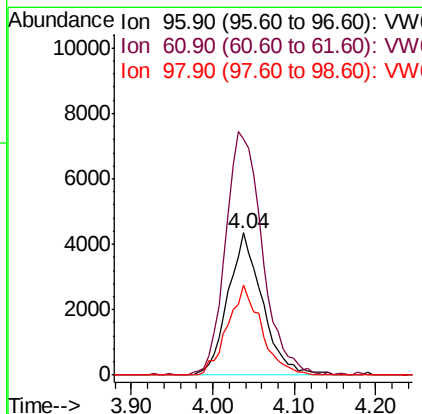
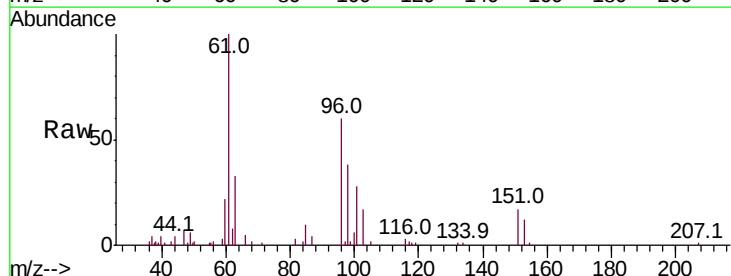
MMDadoda
 7/29/2019 9:17:26 AM

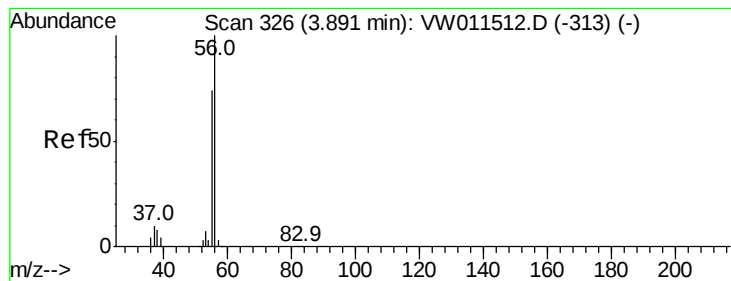


#12

1,1-Dichloroethene
 Concen: 4.793 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	149.9	224.9
98	63.0	49.1	73.7





#13

Acrolein

Concen: 25.097 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5276

Ion Ratio Lower Upper

56 100

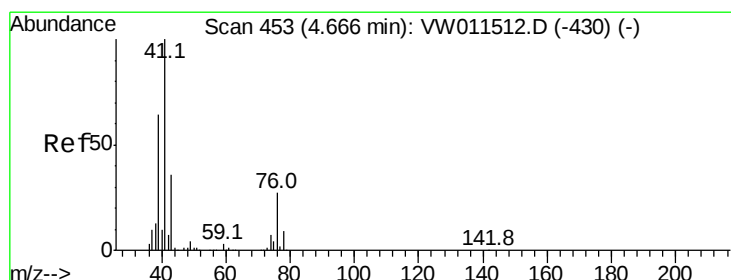
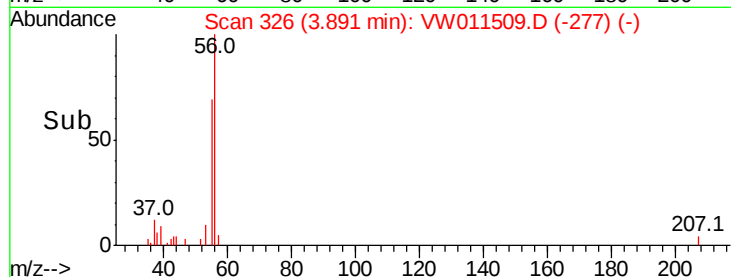
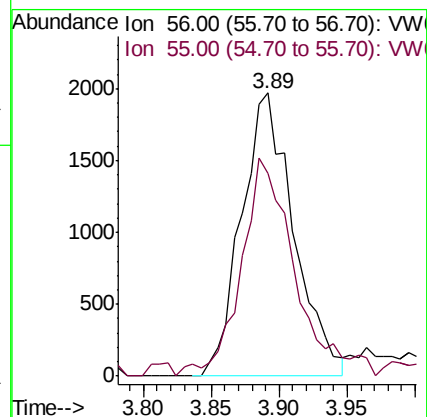
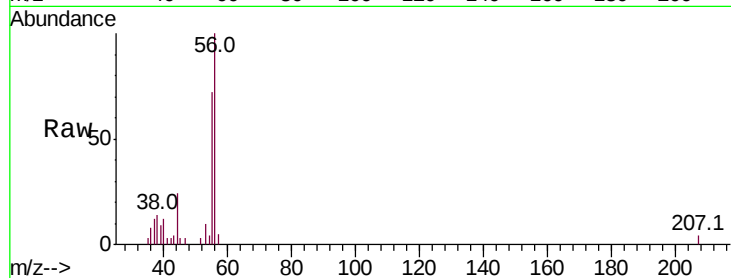
55 79.0 56.0 84.0

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#14

Allyl chloride

Concen: 4.539 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

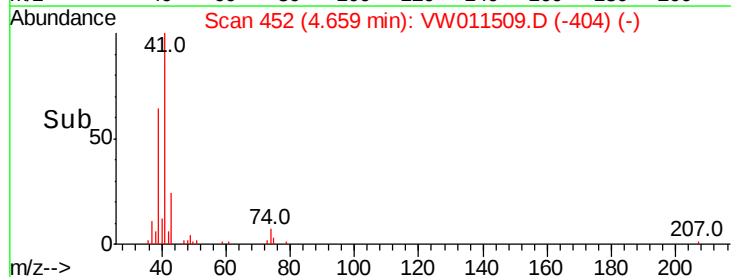
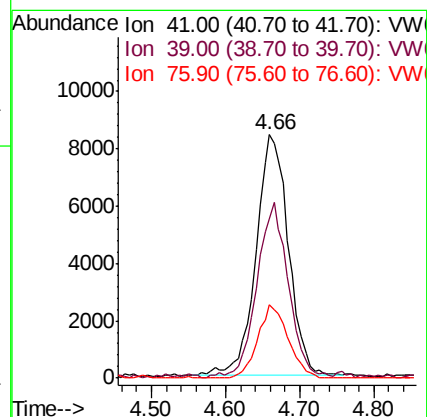
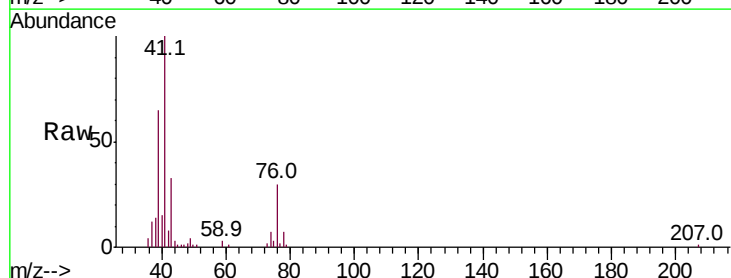
Tgt Ion: 41 Resp: 25652

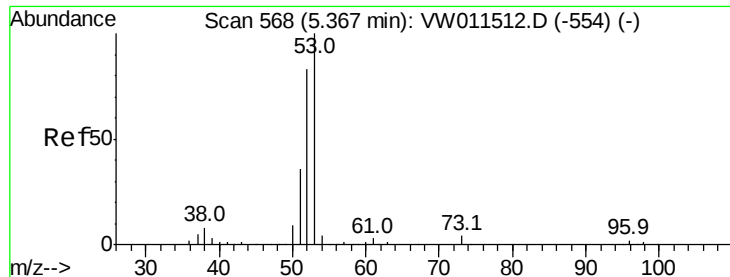
Ion Ratio Lower Upper

41 100

39 71.4 52.6 78.8

76 28.7 22.0 33.0





#15

Acrylonitrile

Concen: 23.184 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

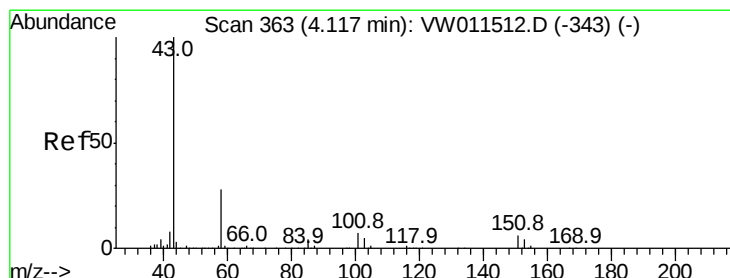
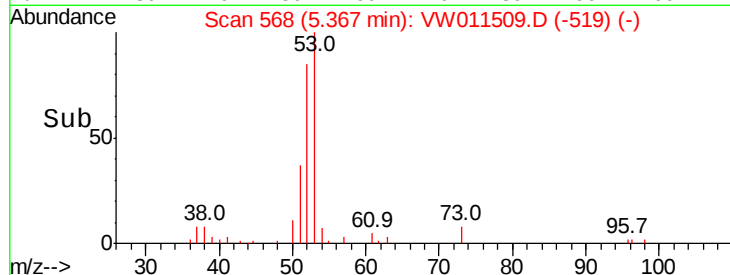
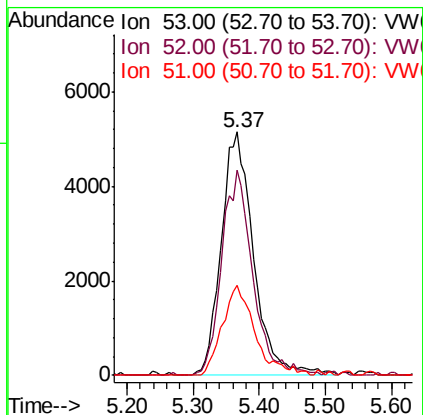
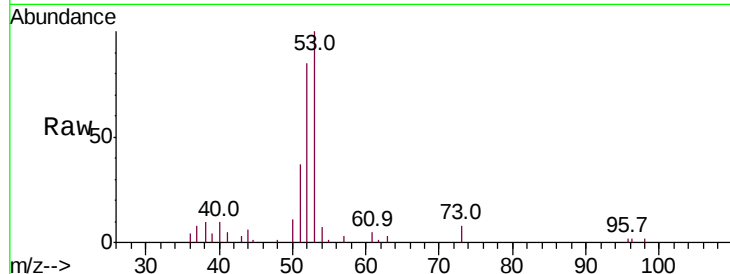
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17409
Ion	Ratio	Lower	Upper
53	100		
52	79.3	67.2	100.8
51	36.5	30.0	45.0

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#16

Acetone

Concen: 29.640 ug/l

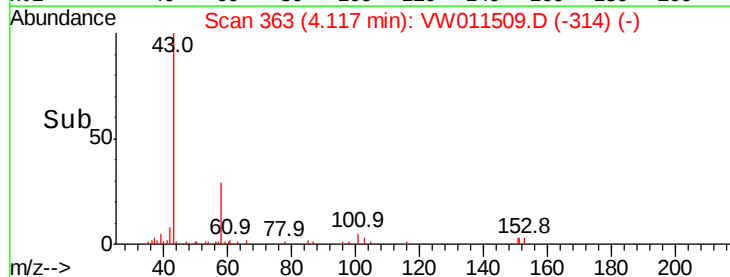
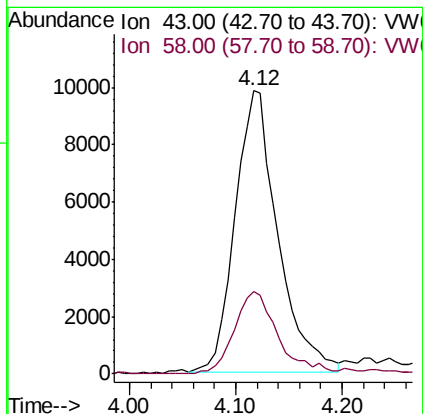
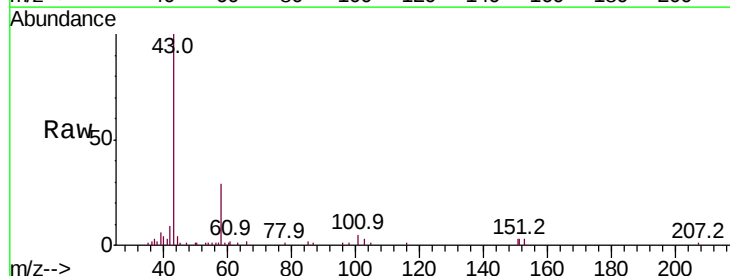
RT: 4.12 min Scan# 363

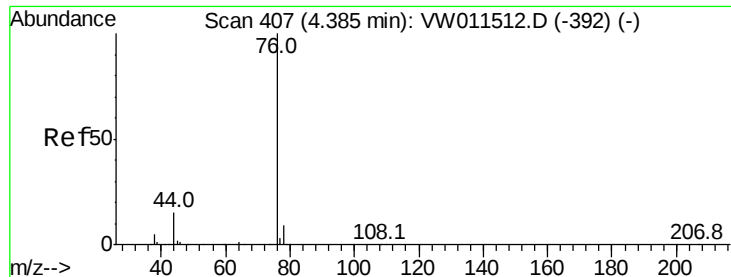
Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion:	43	Resp:	27624
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.3	33.5





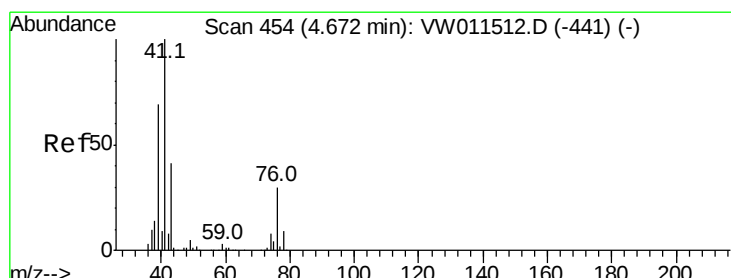
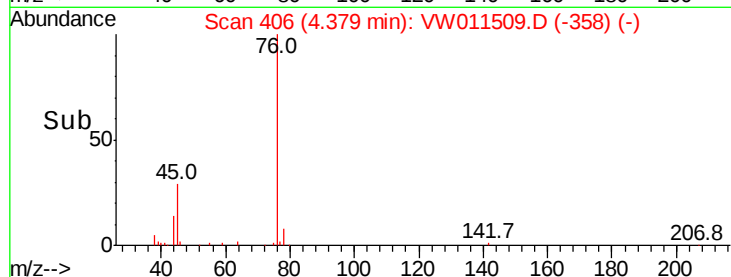
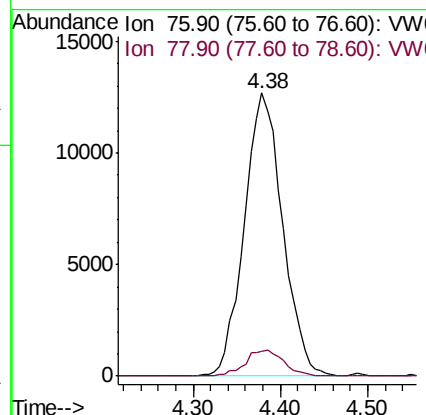
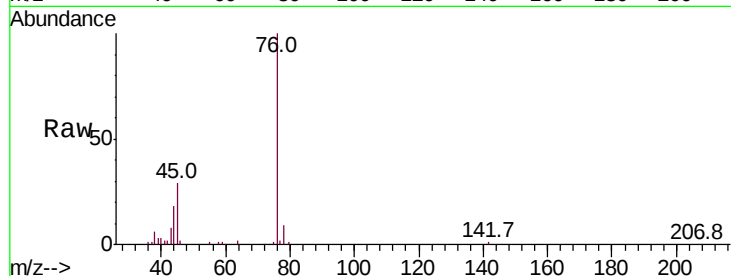
#17
Carbon Disulfide
Concen: 4.633 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

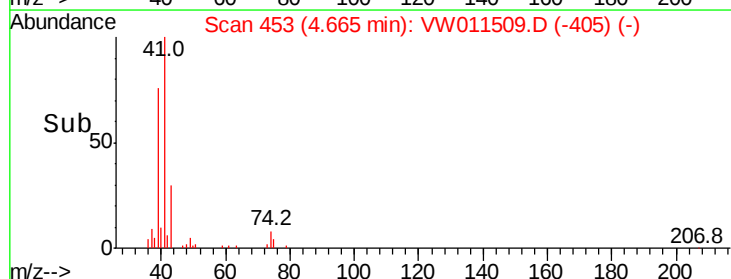
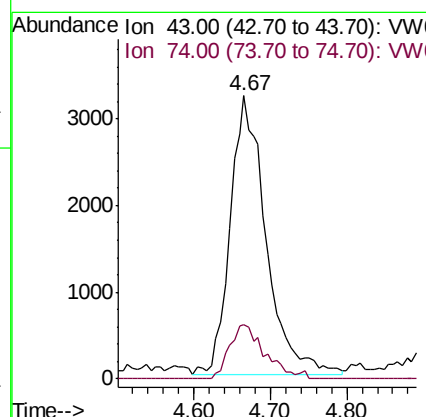
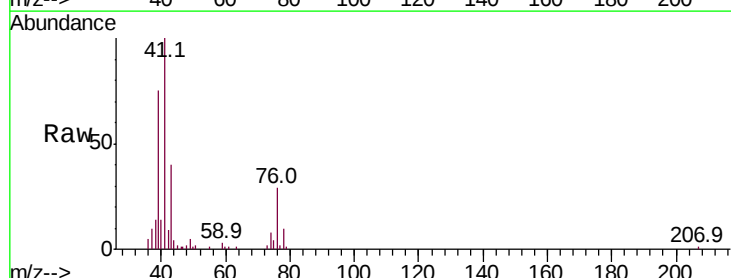
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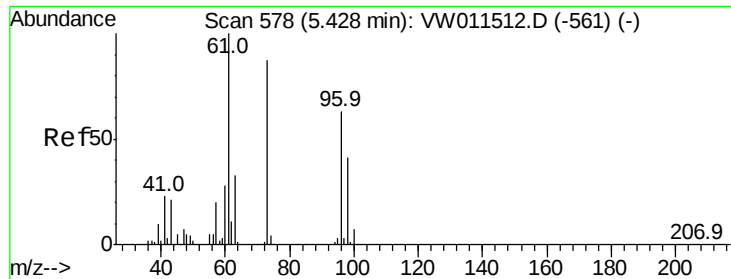
MMDadoda
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#18
Methyl Acetate
Concen: 4.939 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.9	23.9





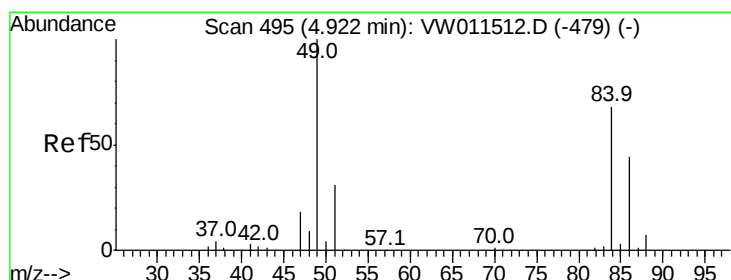
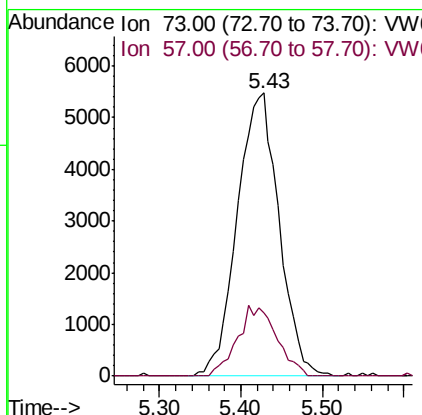
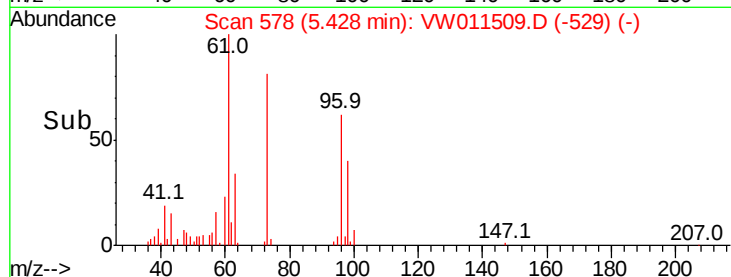
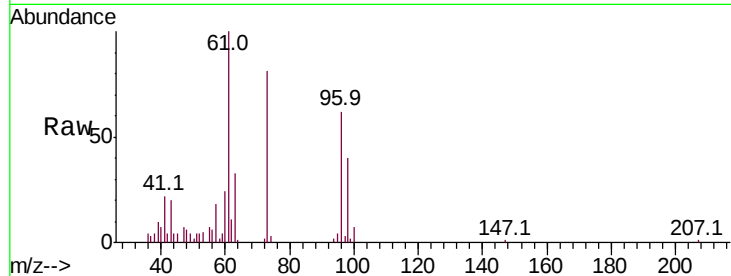
#19
Methvl tert-butvl Ether
Concen: 4.614 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 19455
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

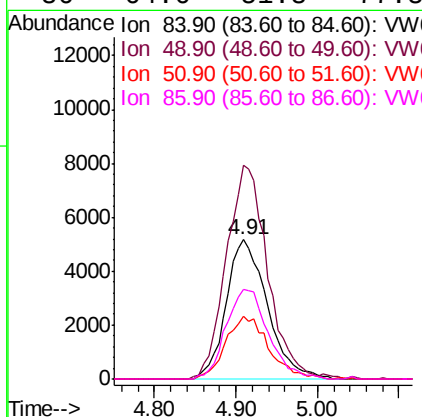
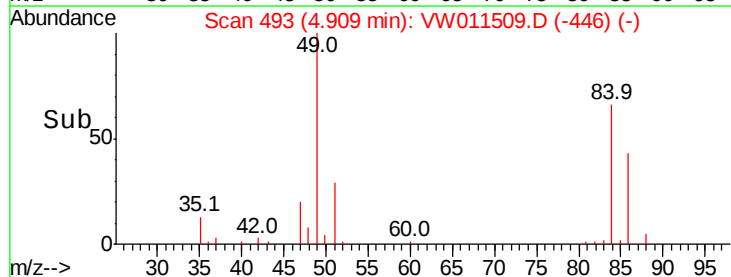
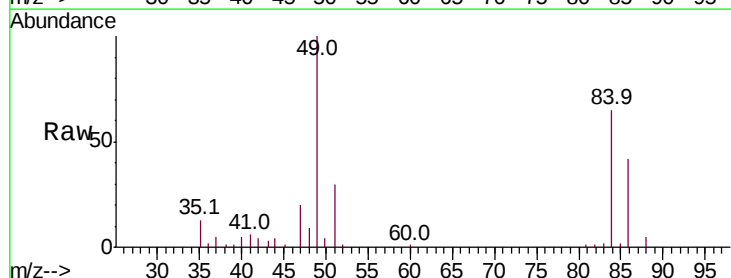
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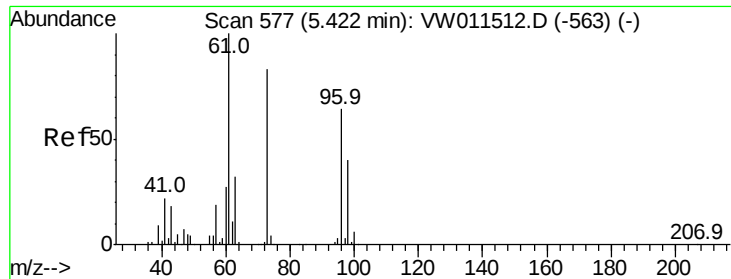
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#20
Methylene Chloride
Concen: 5.625 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 84 Resp: 18079
Ion Ratio Lower Upper
84 100
49 153.4 117.8 176.6
51 45.4 37.0 55.4
86 64.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 4.804 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 13763

Ion Ratio Lower Upper

96 100

61 156.0 125.7 188.5

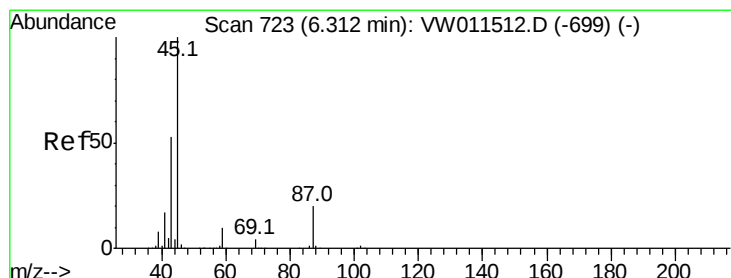
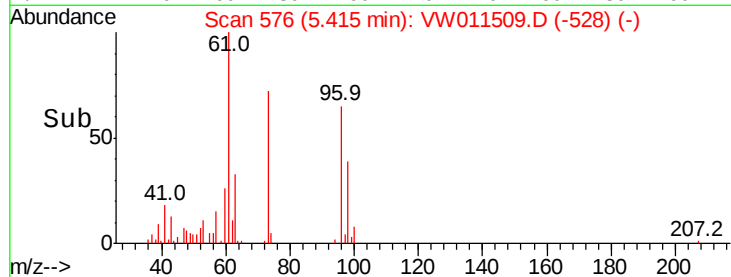
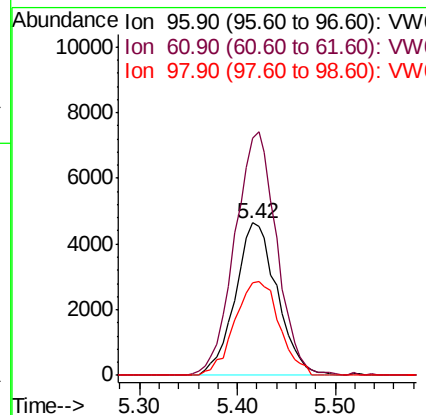
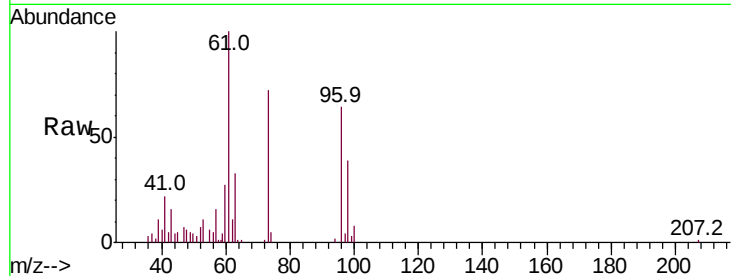
98 60.6 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 4.754 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion: 45 Resp: 50654

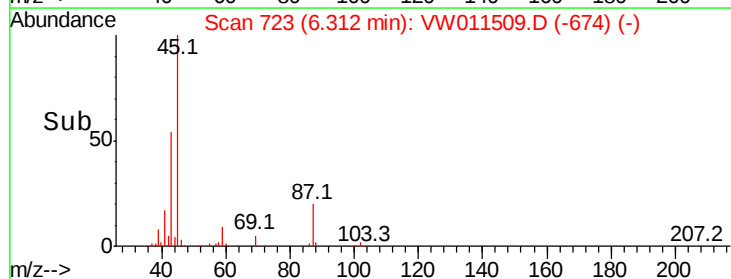
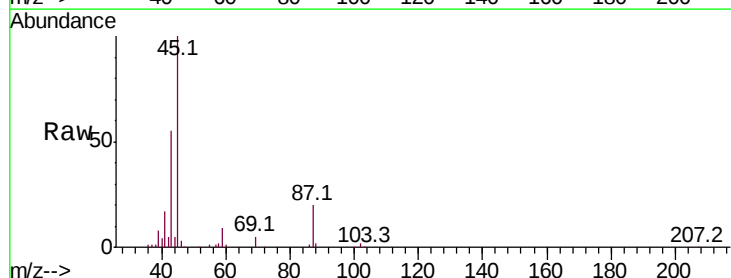
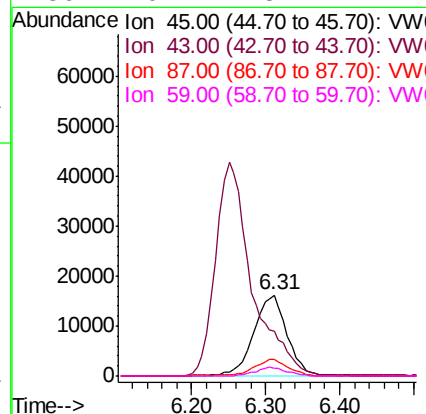
Ion Ratio Lower Upper

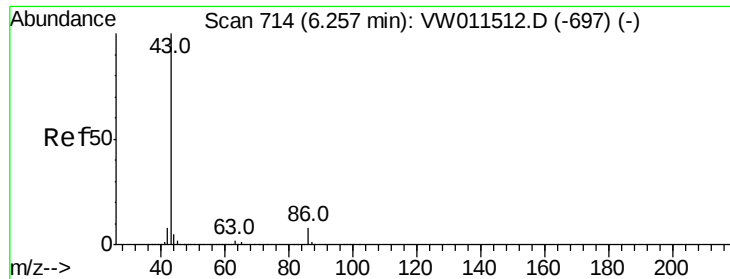
45 100

43 52.8 42.6 63.8

87 20.2 16.4 24.6

59 9.4 8.2 12.2





#23

Vinyl Acetate

Concen: 21.779 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tot Ion: 43 Resp: 145821

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

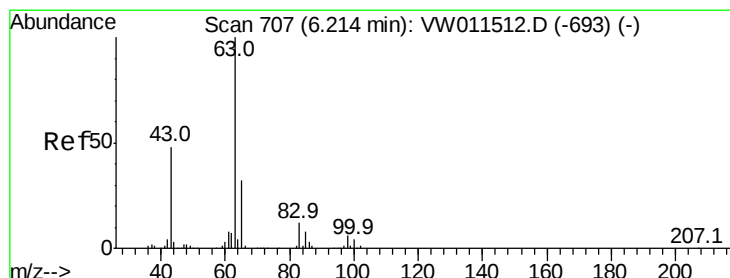
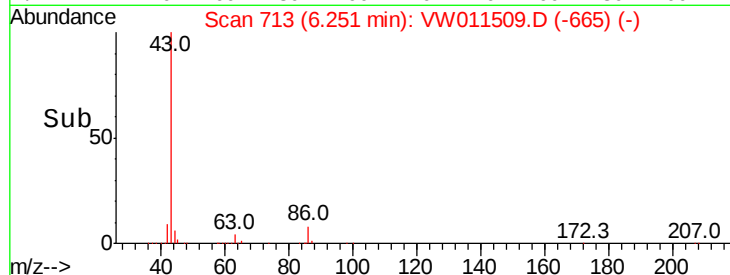
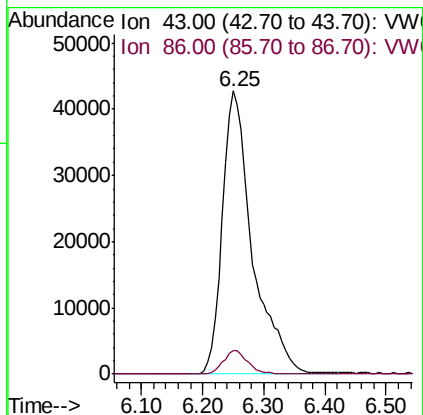
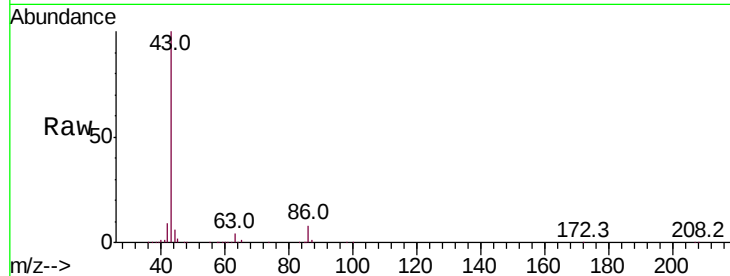
VSTDIC005

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#24

1,1-Dichloroethane

Concen: 4.750 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

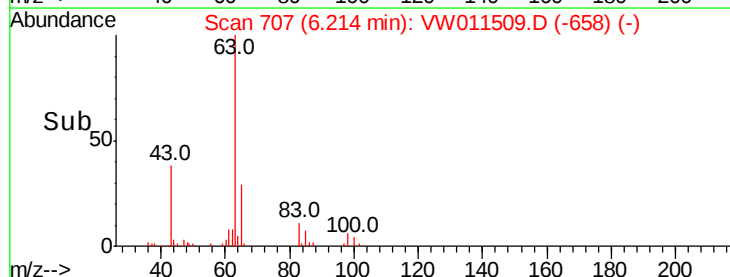
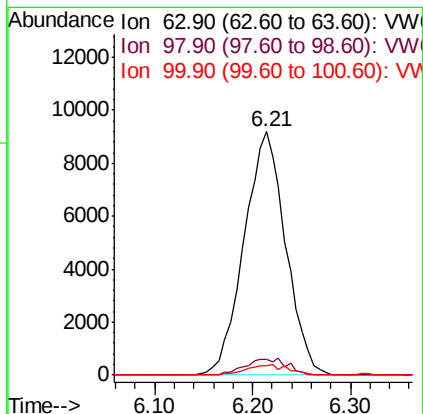
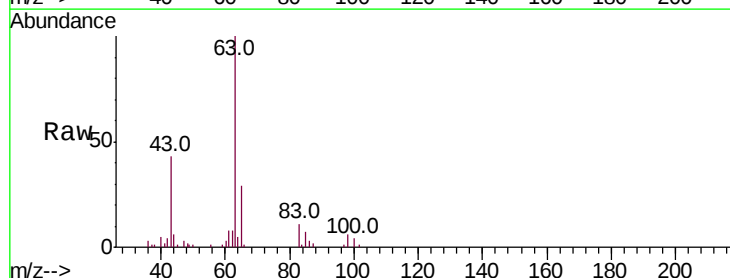
Tgt Ion: 63 Resp: 27105

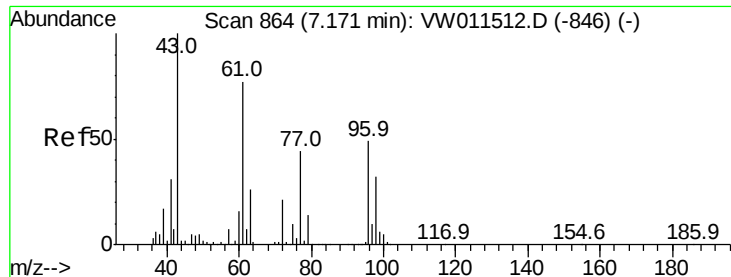
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 24.243 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 29565

Ion Ratio Lower Upper

43 100

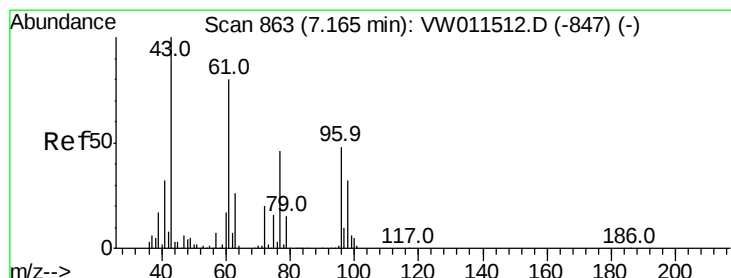
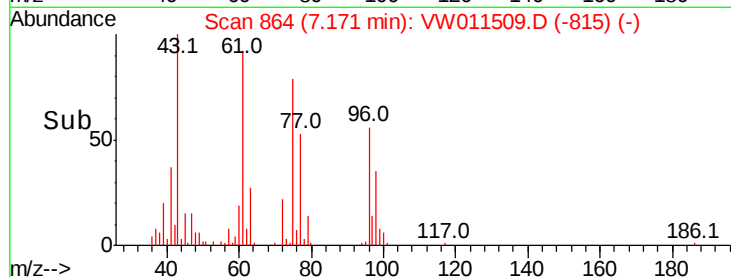
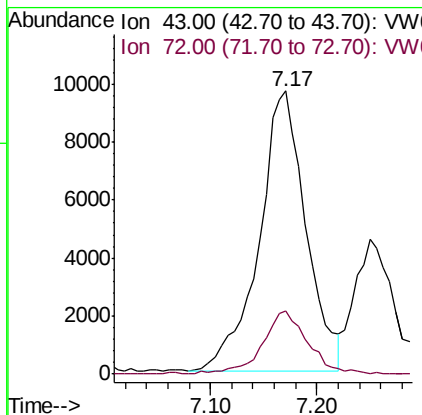
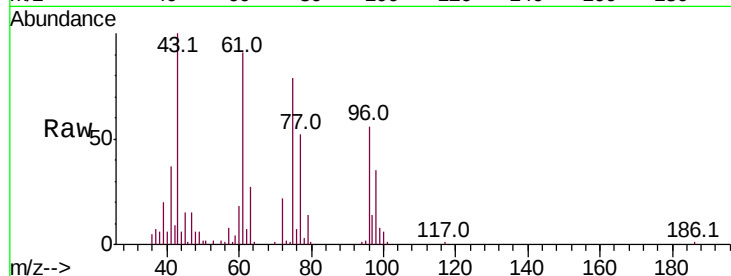
72 22.4 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 6.025 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011509.D

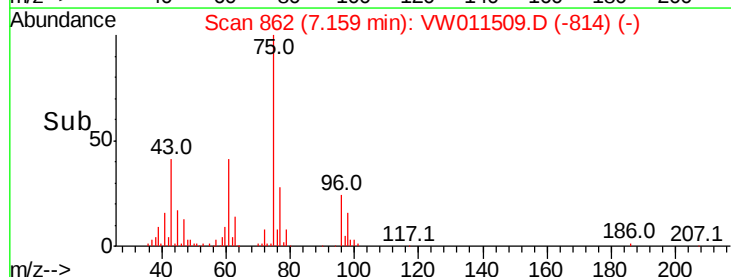
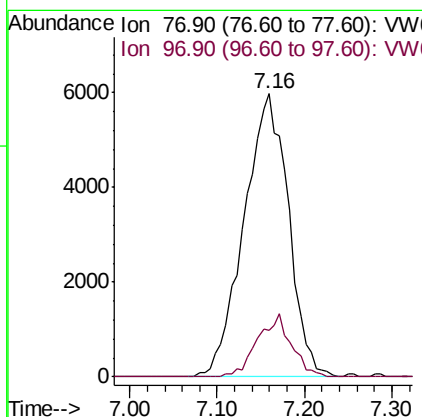
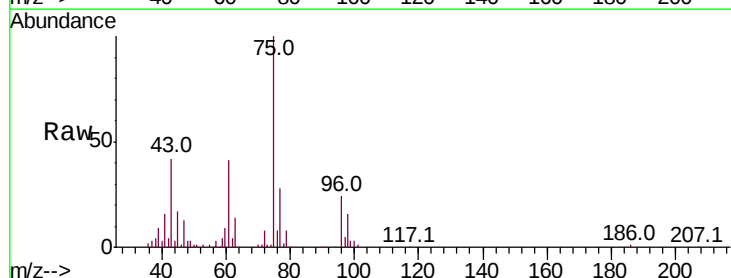
Acq: 26 Jul 2019 11:30

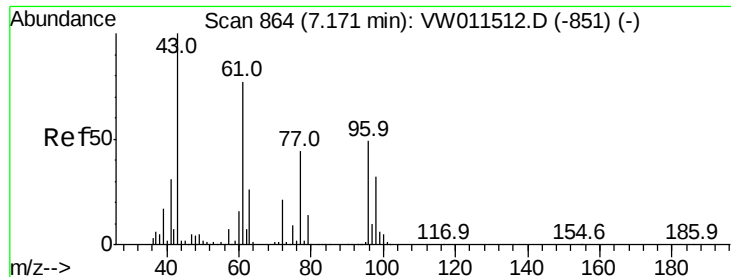
Tgt Ion: 77 Resp: 21144

Ion Ratio Lower Upper

77 100

97 16.9 10.8 32.4





#27

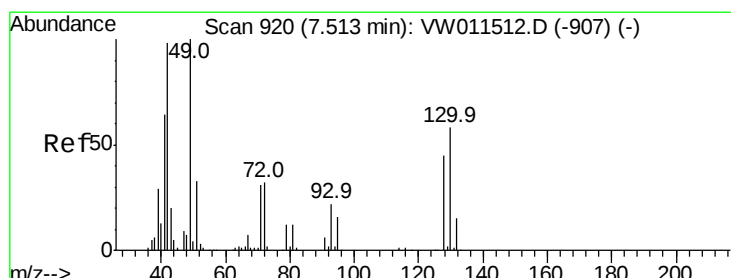
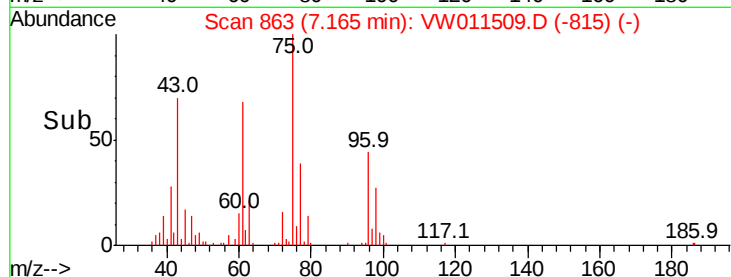
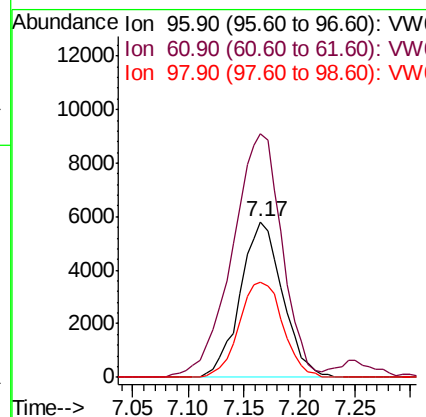
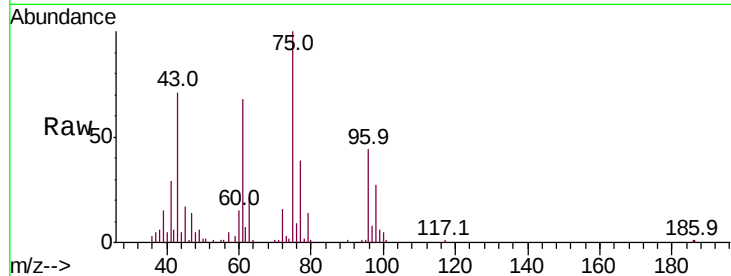
cis-1,2-Dichloroethene
Concen: 4.850 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.2	0.0	328.4
98	63.3	0.0	128.8

Manual Integrations
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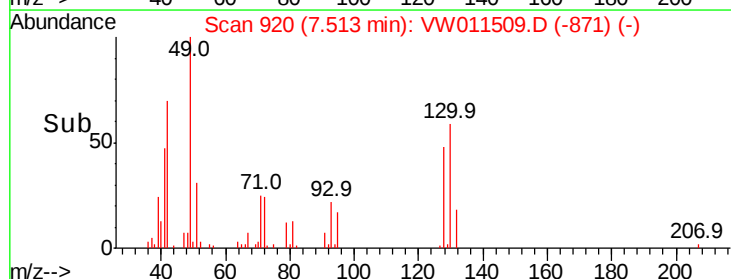
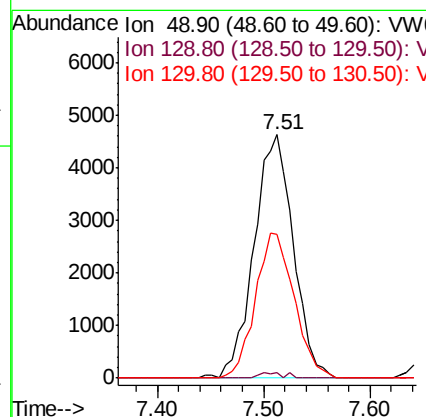
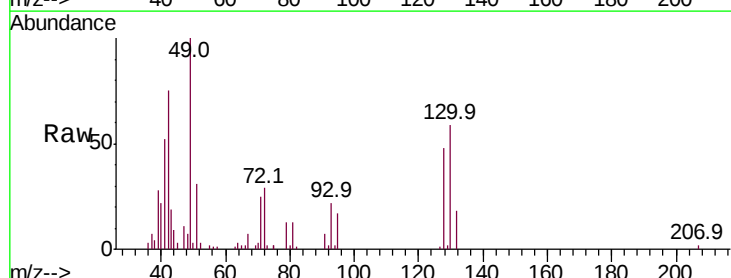
MMDadoda
7/29/2019 9:17:26 AM

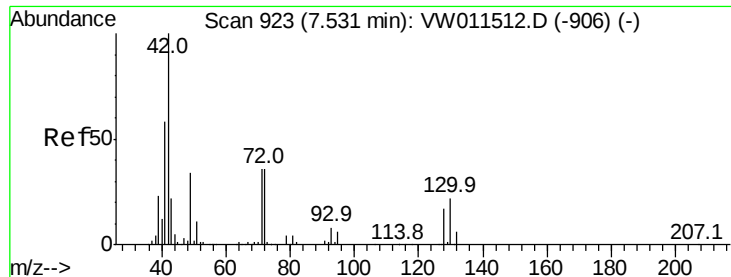


#28

Bromochloromethane
Concen: 4.724 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.0#
130	58.6	46.3	69.5





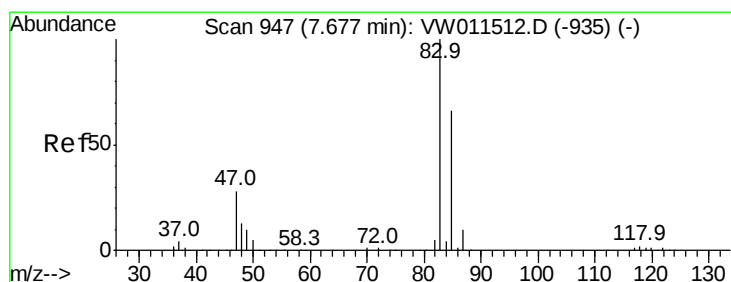
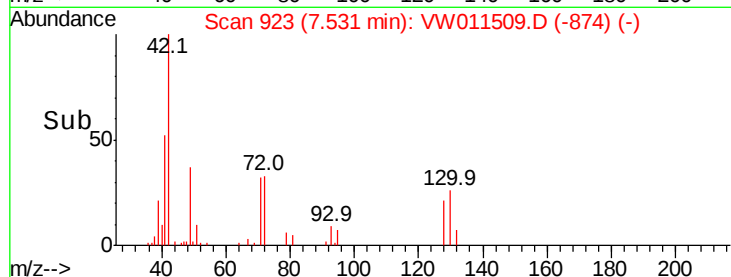
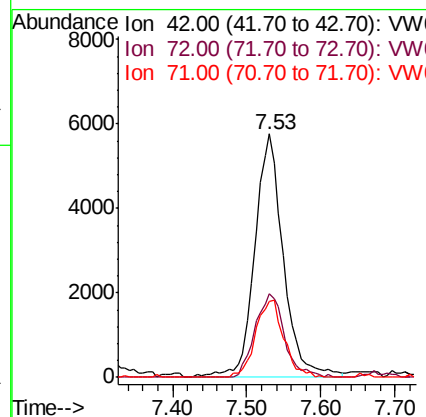
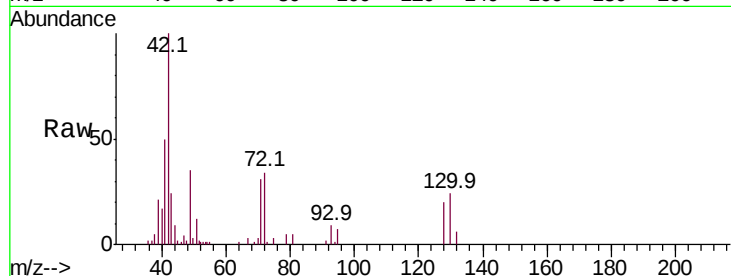
#29
Tetrahydrofuran
Concen: 22.357 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.1	40.7
71	31.0	26.2	39.4

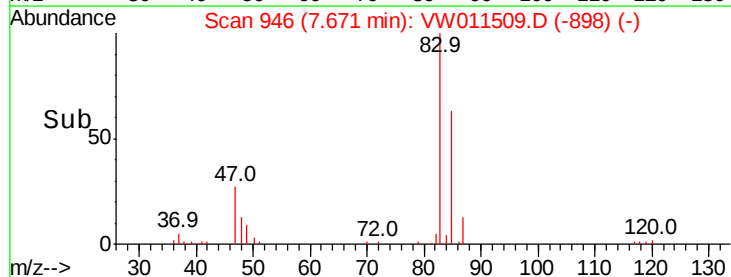
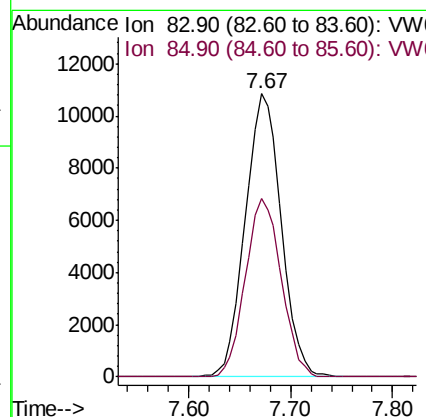
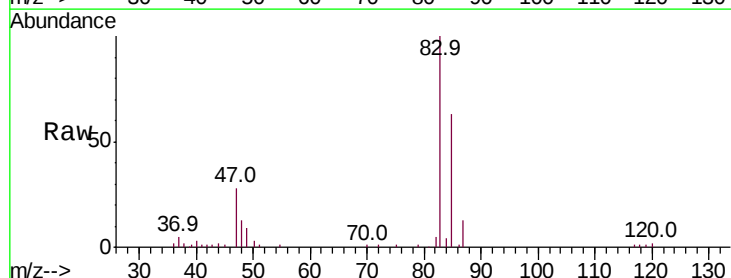
Manual Integrations
APPROVED

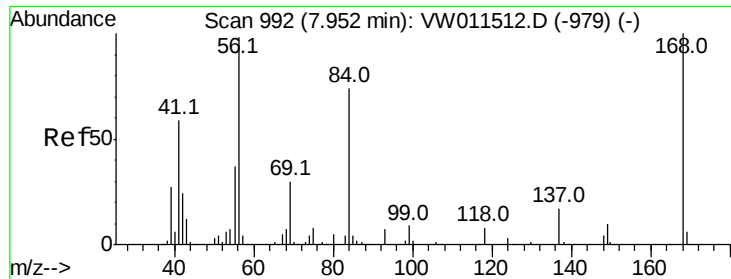
MMDadoda
7/29/2019 9:17:26 AM



#30
Chloroform
Concen: 5.051 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.5	78.7





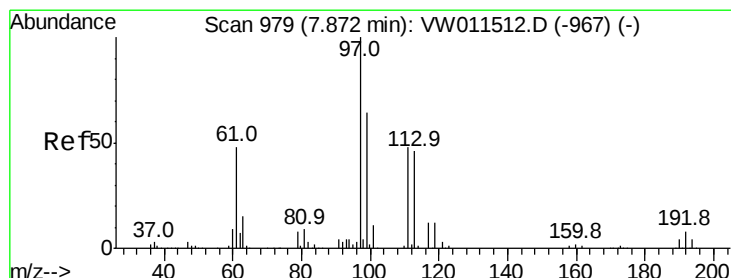
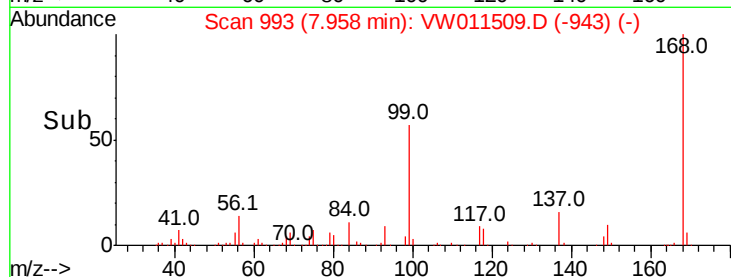
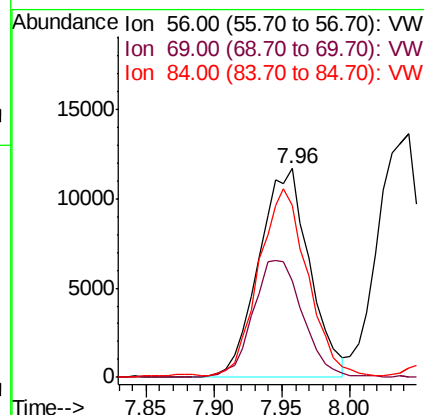
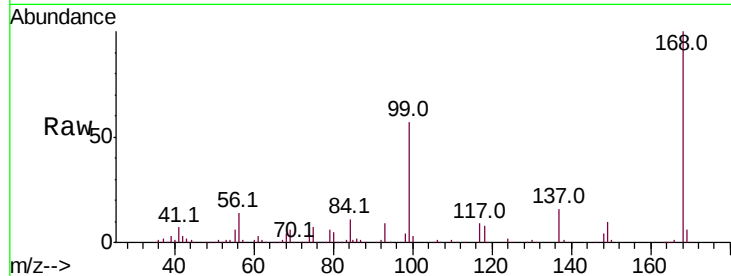
#31
Cyclohexane
Concen: 5.548 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	46.3	24.3	36.5#
84	81.0	60.4	90.6

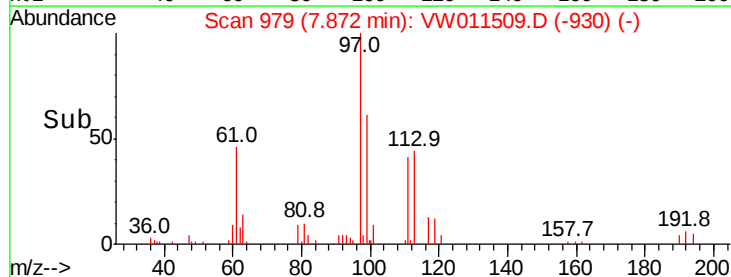
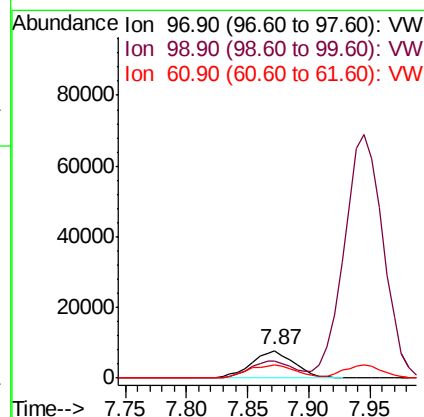
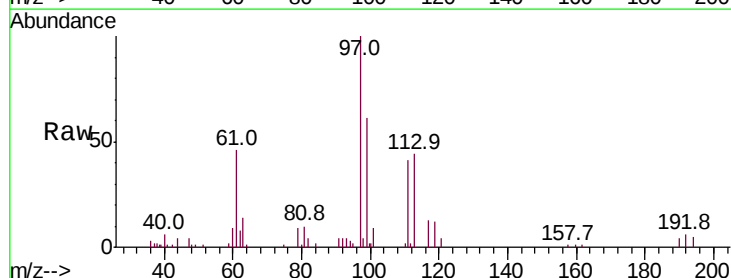
Manual Integrations
APPROVED

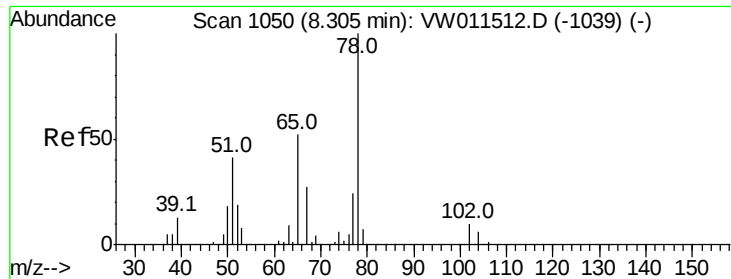
MMDadoda
7/29/2019 9:17:26 AM



#32
1,1,1-Trichloroethane
Concen: 4.711 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	53.0	39.8	59.6





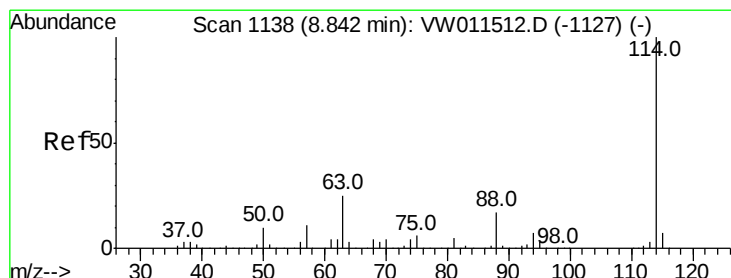
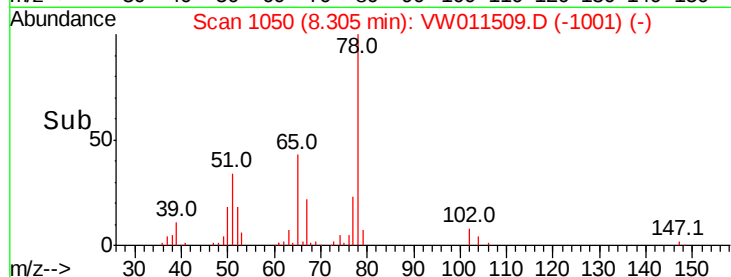
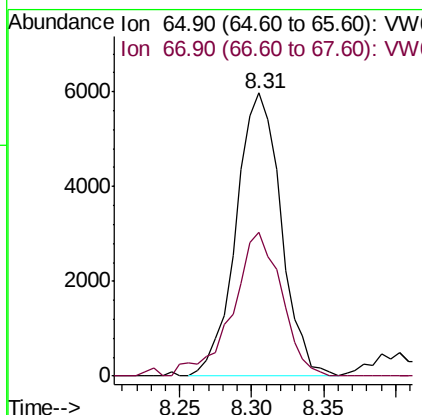
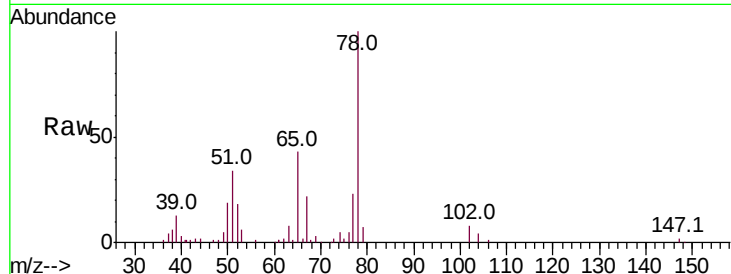
#33
 1,2-Dichloroethane-d4
 Concen: 4.421 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	105.2

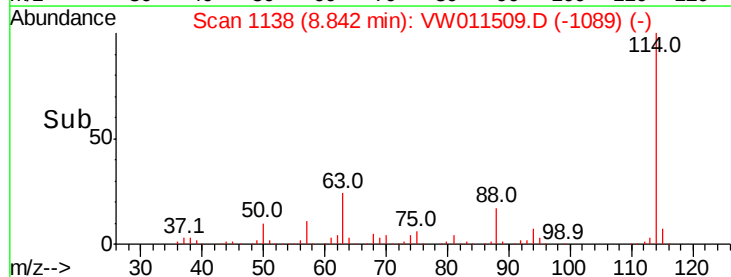
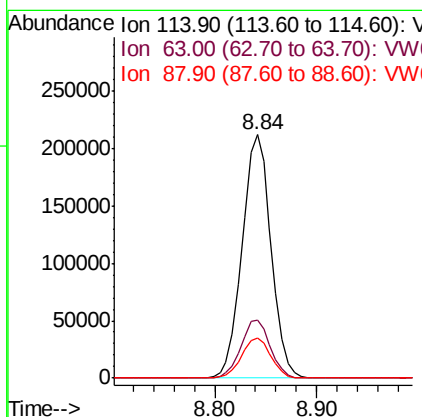
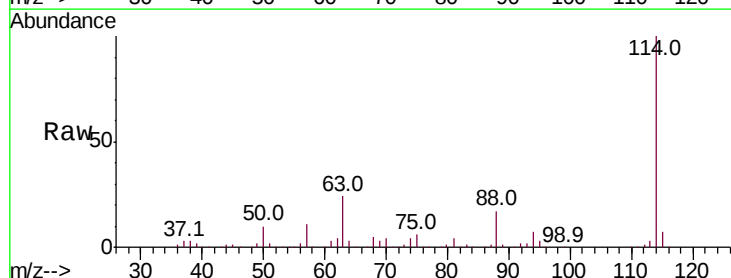
Manual Integrations
 APPROVED

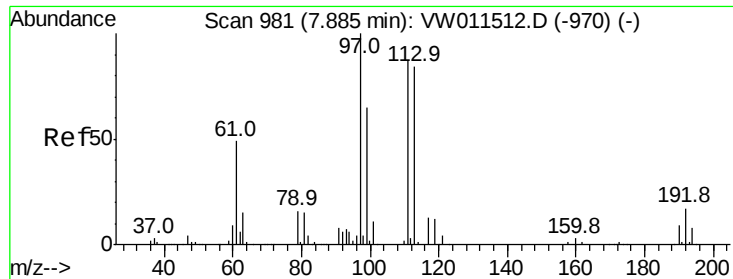
MMDadoda
 7/29/2019 9:17:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	16.7	0.0	33.8





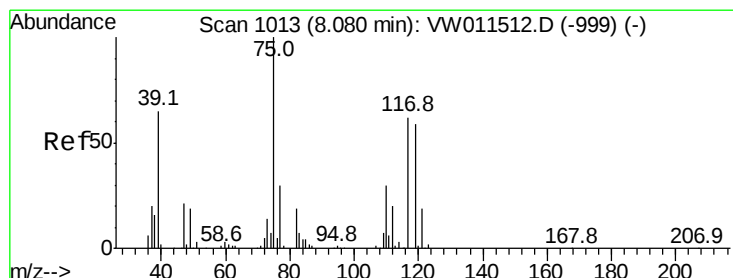
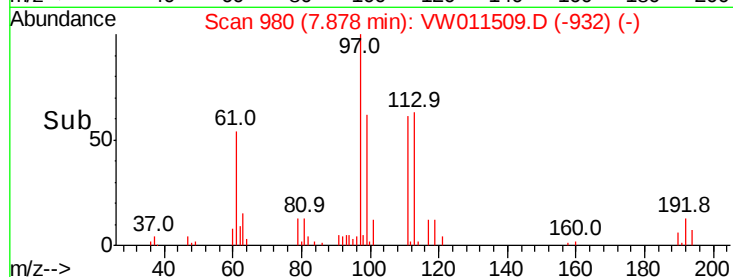
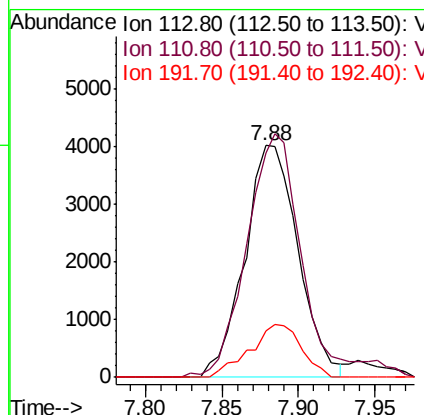
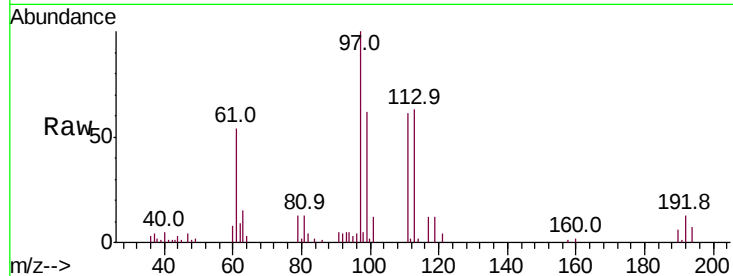
#35
Dibromofluoromethane
Concen: 4.179 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:113 Resp: 9771
Ion Ratio Lower Upper
113 100
111 109.8 82.7 124.1
192 22.1 16.1 24.1

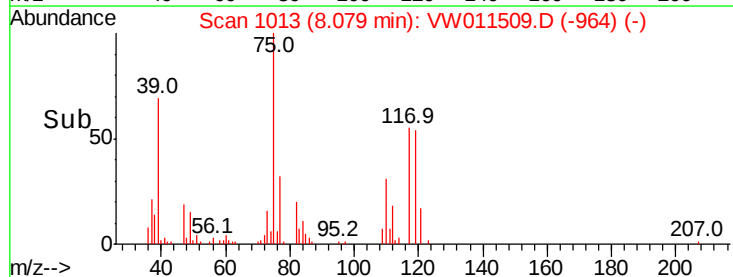
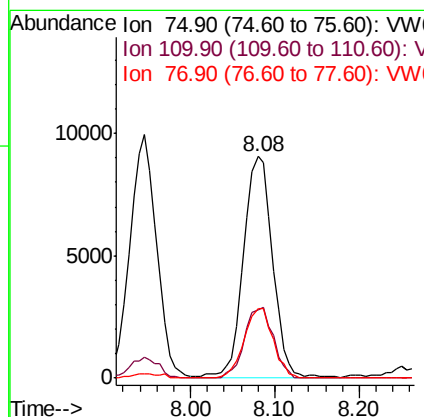
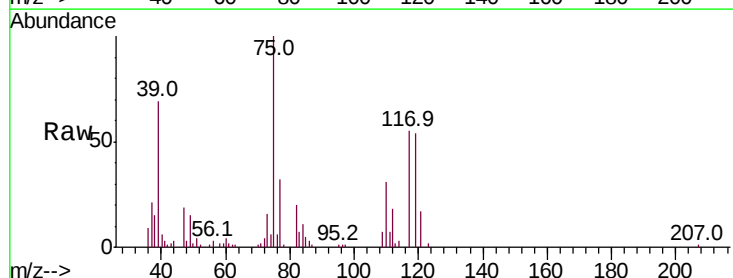
Manual Integrations
APPROVED

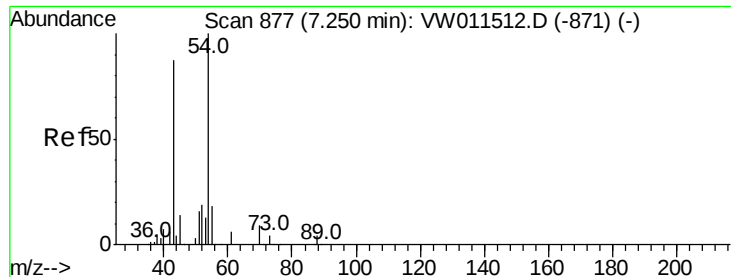
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7/29/2019 9:17:26 AM



#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 75 Resp: 21262
Ion Ratio Lower Upper
75 100
110 31.0 15.6 46.8
77 31.1 24.3 36.5





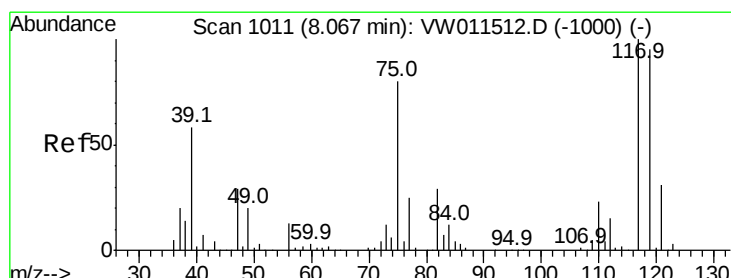
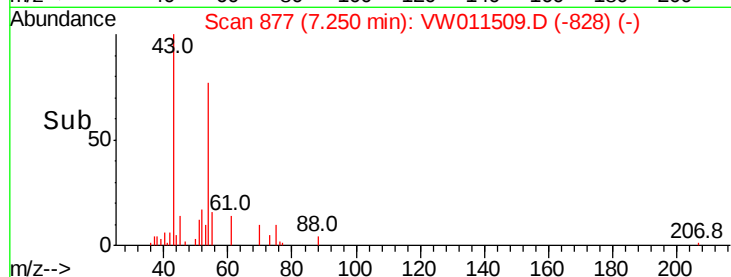
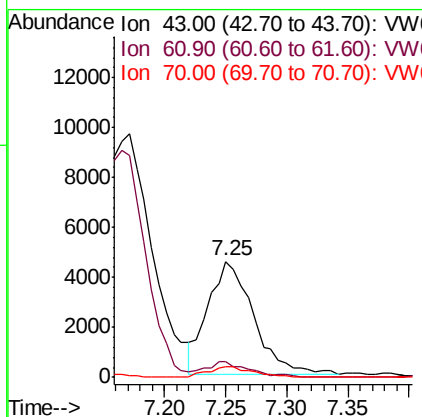
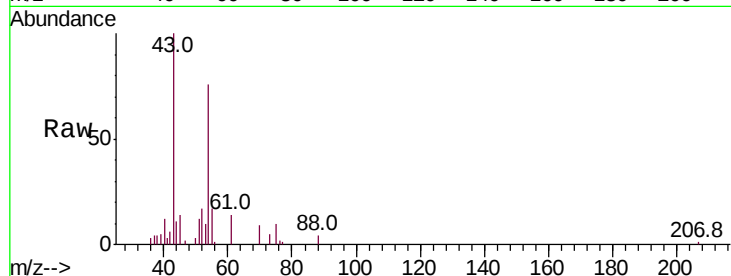
#37
Ethyl Acetate
Concen: 4.765 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 11880
Ion Ratio Lower Upper
43 100
61 13.4 8.8 13.2#
70 9.3 7.1 10.7

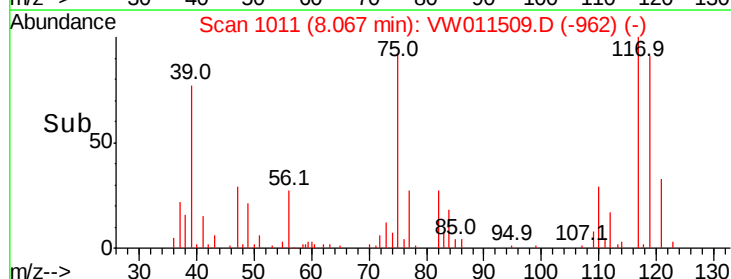
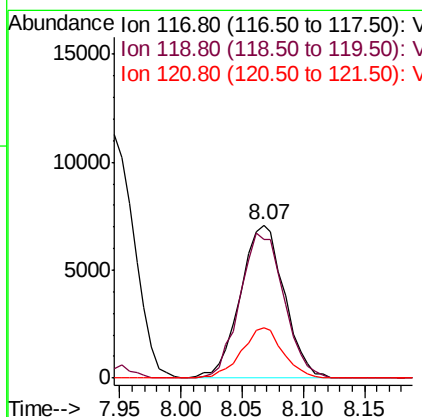
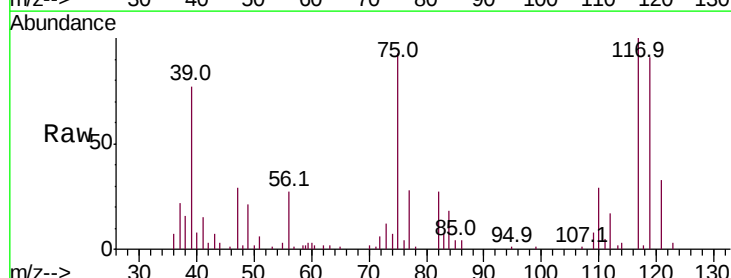
Manual Integrations
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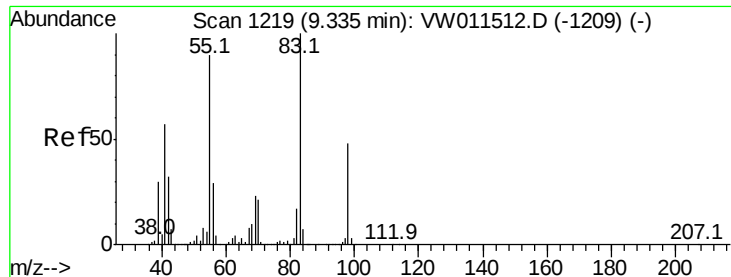
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#38
Carbon Tetrachloride
Concen: 4.776 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 117 Resp: 17719
Ion Ratio Lower Upper
117 100
119 90.8 75.8 113.6
121 32.8 24.7 37.1





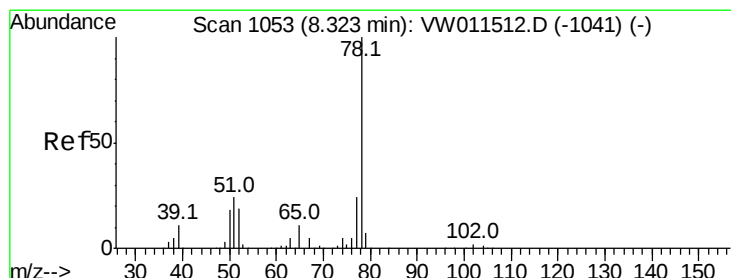
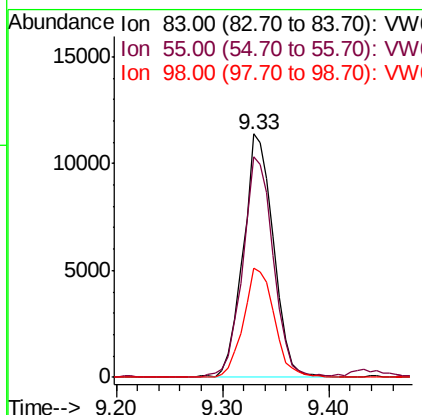
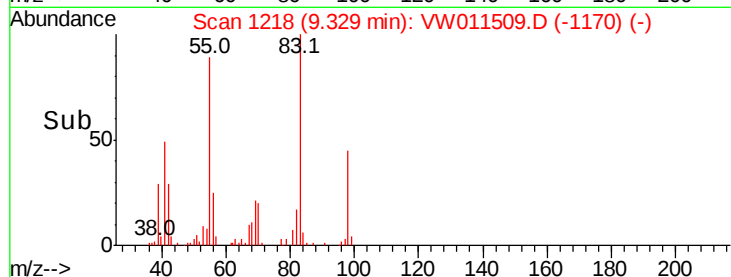
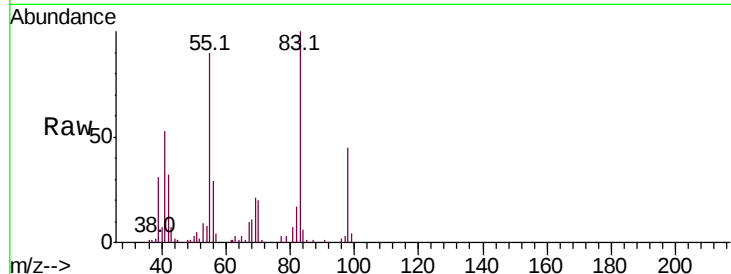
#39
Methvlcvclohexane
Concen: 4.757 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.4	72.1	108.1
98	45.0	38.6	57.8

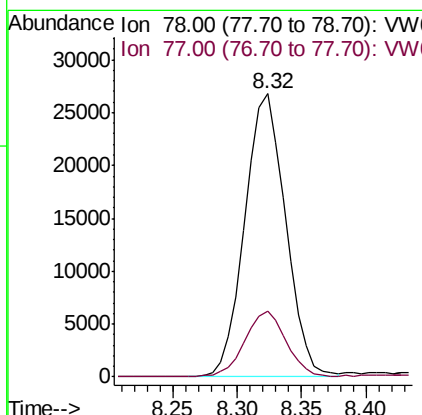
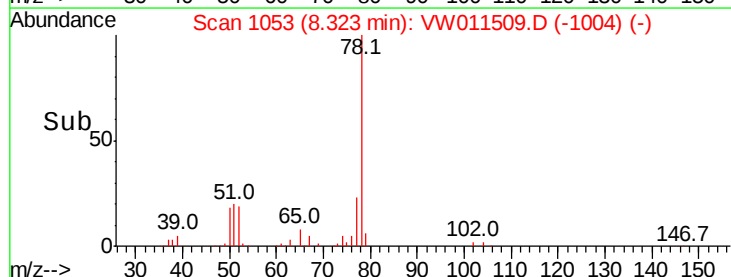
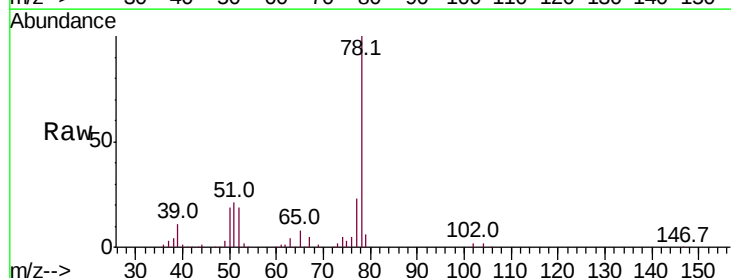
Manual Integrations
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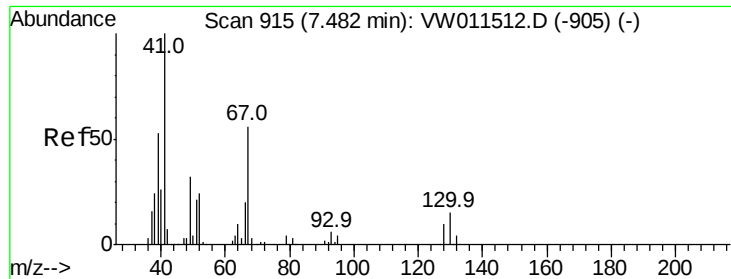
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#40
Benzene
Concen: 4.866 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.4	29.0





#41

Methacrylonitrile

Concen: 4.213 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 6279

Ion Ratio Lower Upper

41 100

39 66.3 43.0 64.4#

67 58.2 47.5 71.3

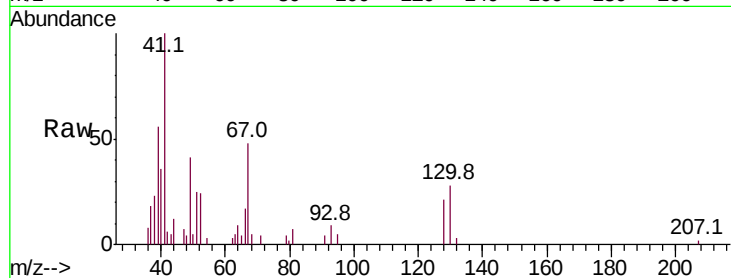
52 30.5 21.0 31.6

Manual Integrations

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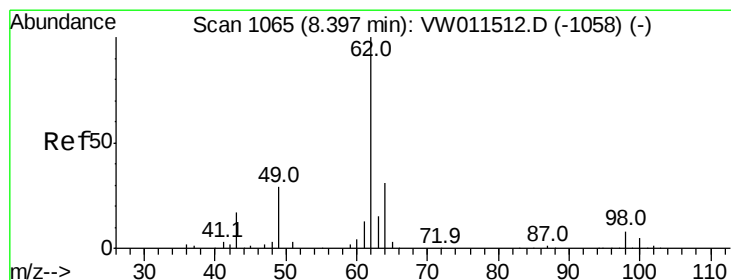
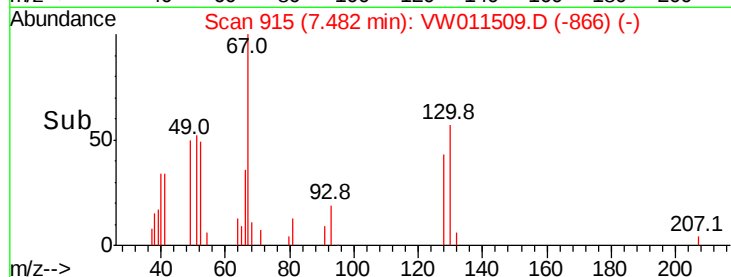
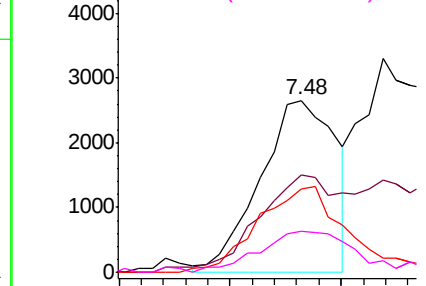
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 4.799 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011509.D

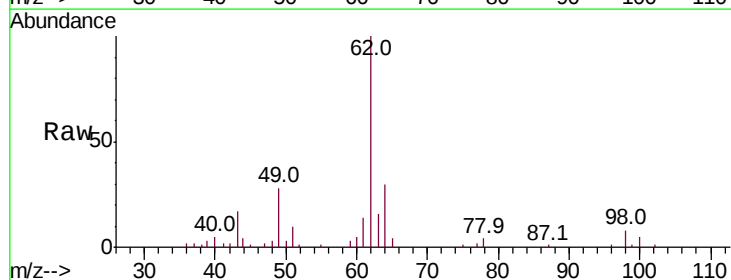
Acq: 26 Jul 2019 11:30

Tgt Ion: 62 Resp: 18239

Ion Ratio Lower Upper

62 100

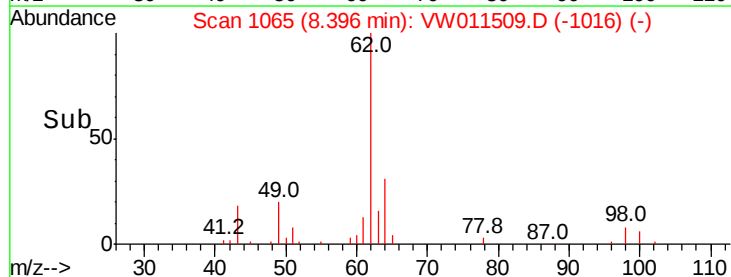
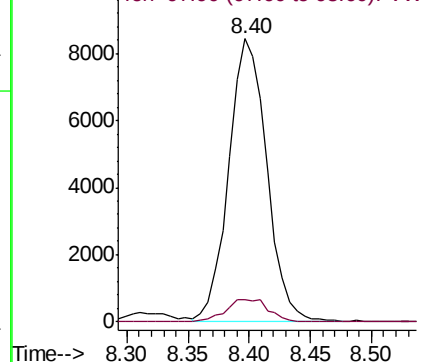
98 9.1 0.0 16.8

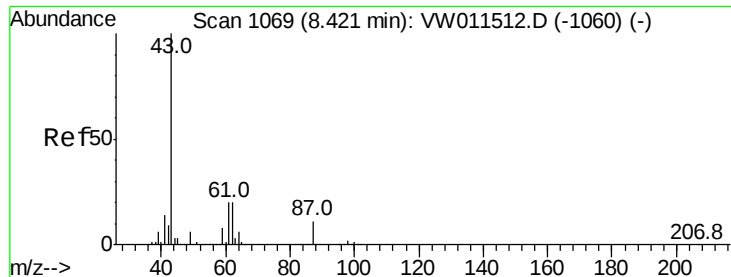


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.449 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

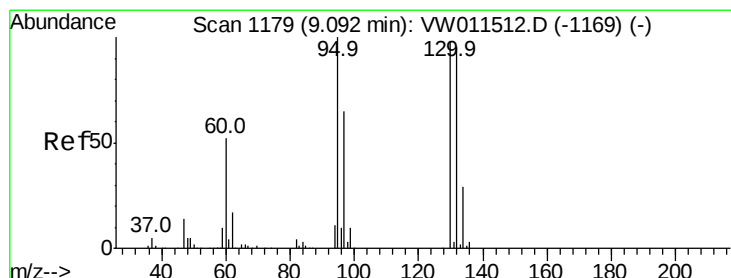
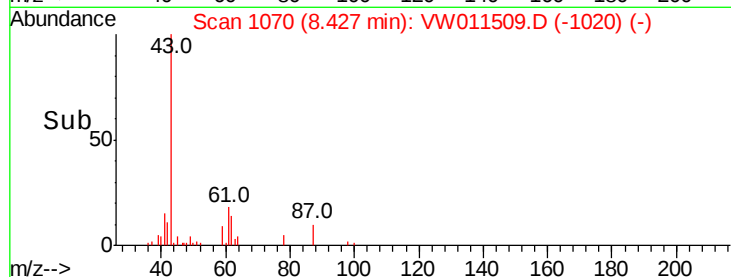
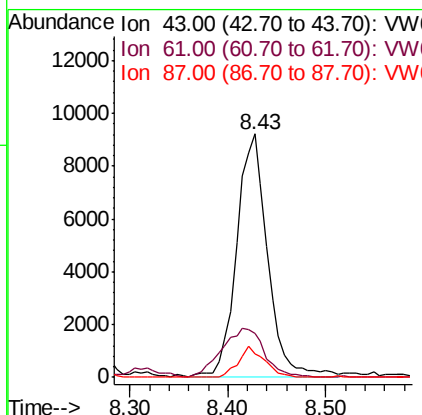
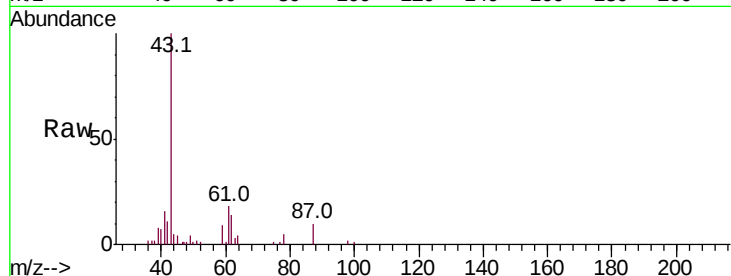
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20399
Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.5	32.3
87	10.6	8.4	12.6

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#44

Trichloroethene

Concen: 4.807 ug/l

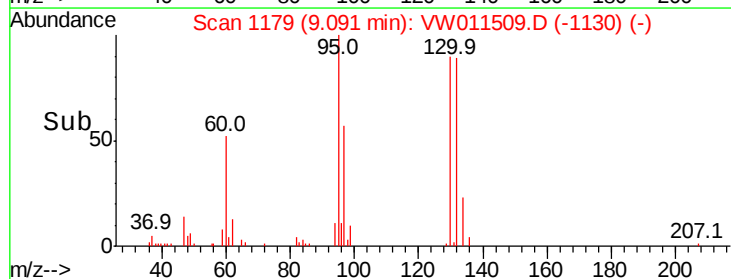
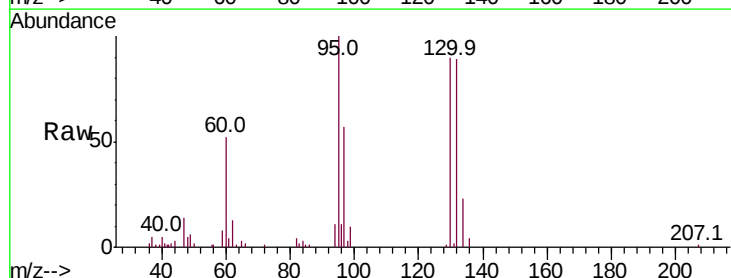
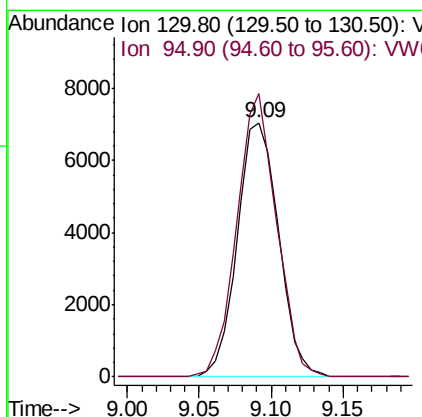
RT: 9.09 min Scan# 1179

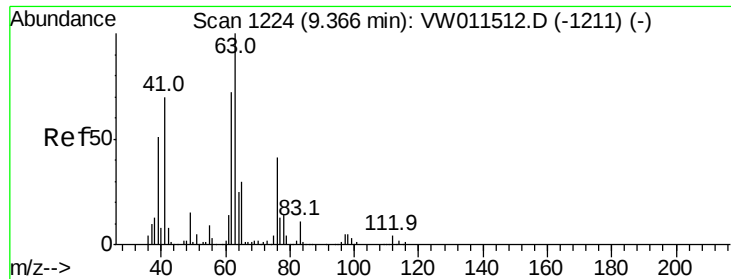
Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion:	130	Resp:	14025
Ion	Ratio	Lower	Upper
130	100		
95	111.3	0.0	204.8





#45

1,2-Dichloropropane

Concen: 4.639 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 15067

Ion Ratio Lower Upper

63 100

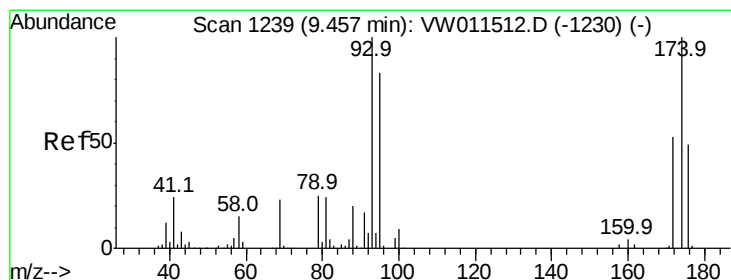
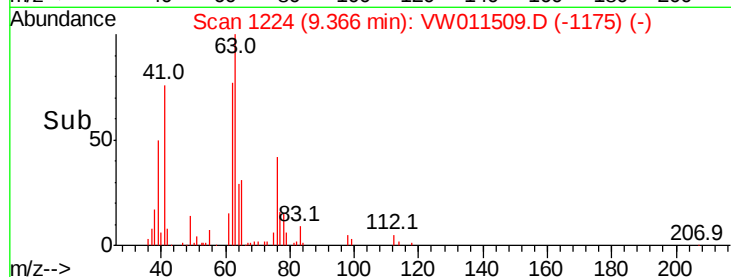
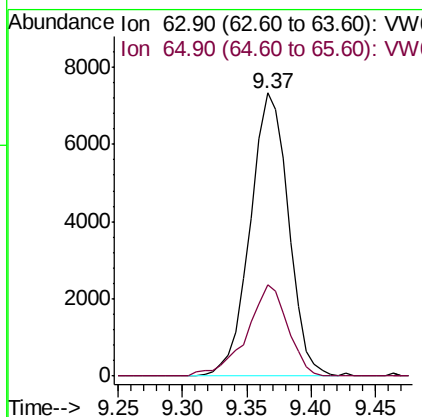
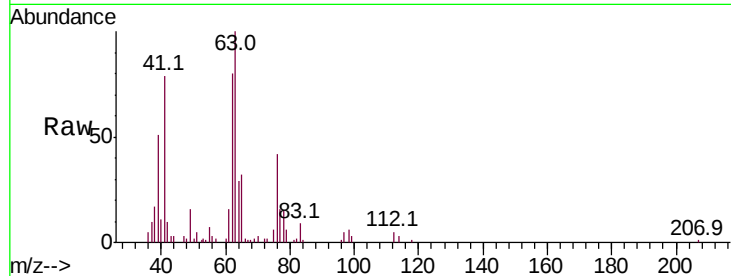
65 32.1 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 4.805 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

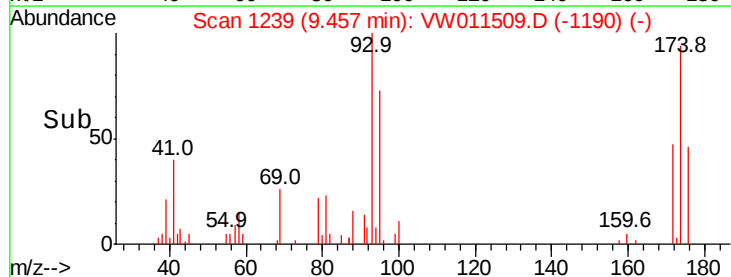
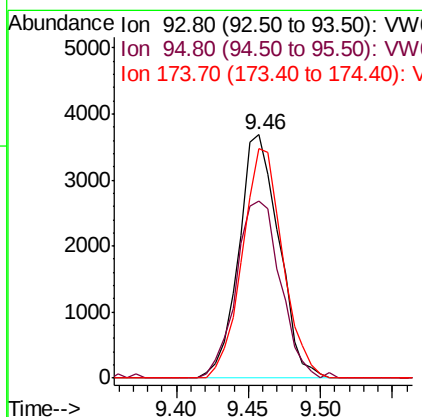
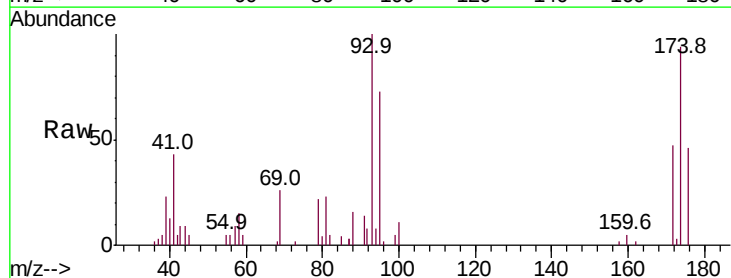
Tgt Ion: 93 Resp: 7123

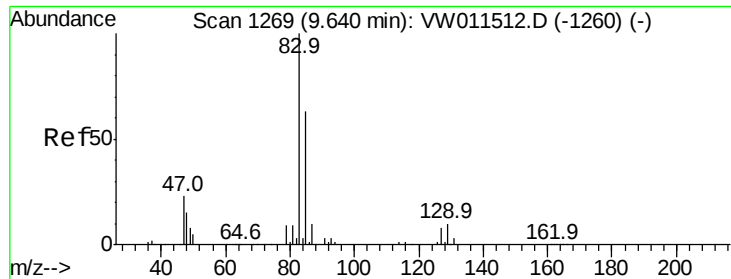
Ion Ratio Lower Upper

93 100

95 80.4 66.2 99.2

174 94.9 78.2 117.4





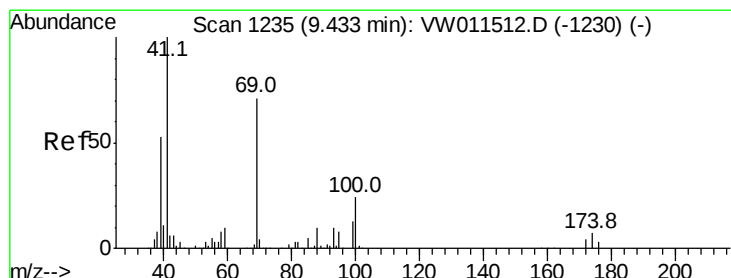
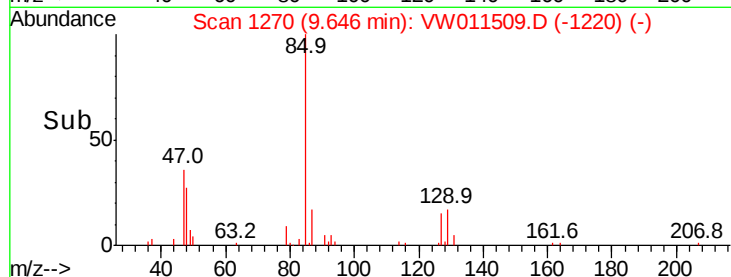
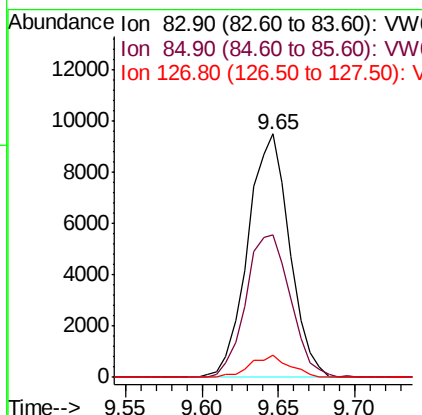
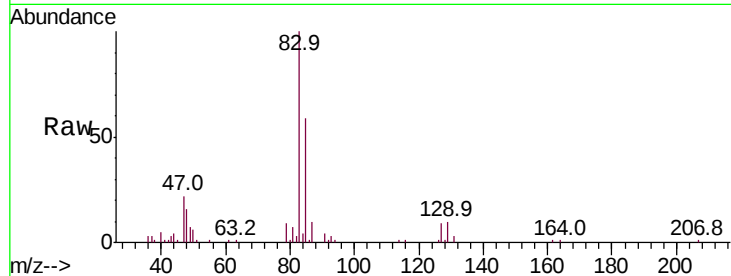
#47
Bromodichloromethane
Concen: 4.611 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	17932
Ion Ratio	100	Lower	Upper
83	100		
85	58.6	50.5	75.7
127	8.9	6.4	9.6

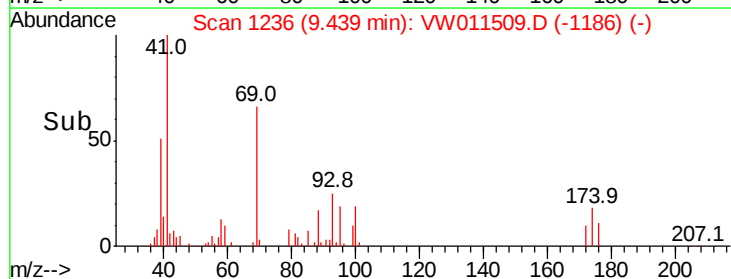
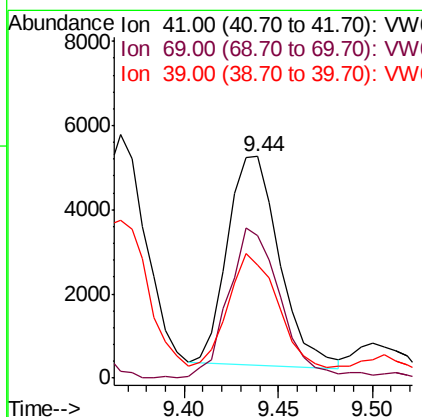
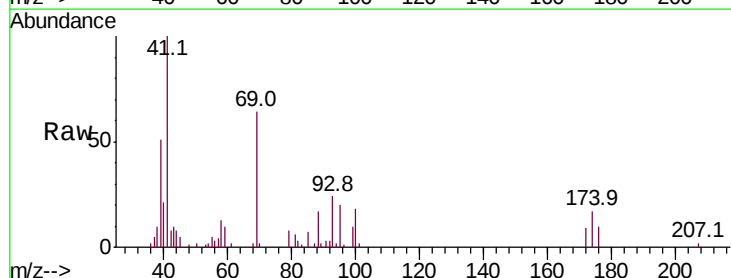
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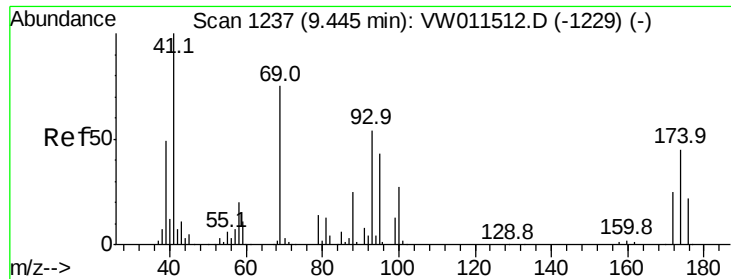
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#48
Methyl methacrylate
Concen: 4.309 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	41	Resp	9492
Ion Ratio	100	Lower	Upper
41	100		
69	72.5	57.1	85.7
39	62.7	45.4	68.2





#49

1,4-Dioxane

Concen: 92.991 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 88 Resp: 1996

Ion Ratio Lower Upper

88 100

43 46.0 34.0 51.0

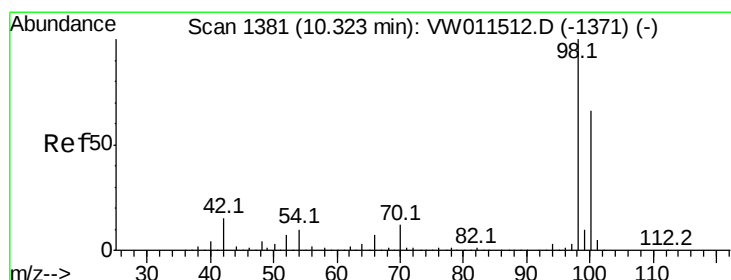
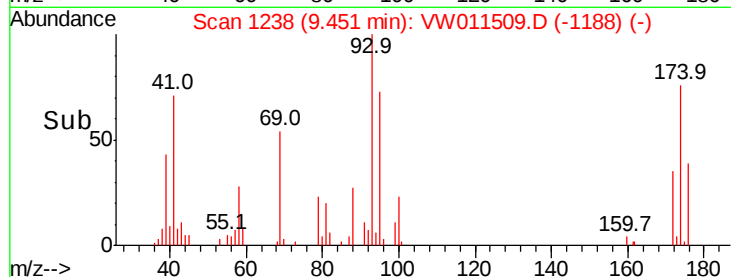
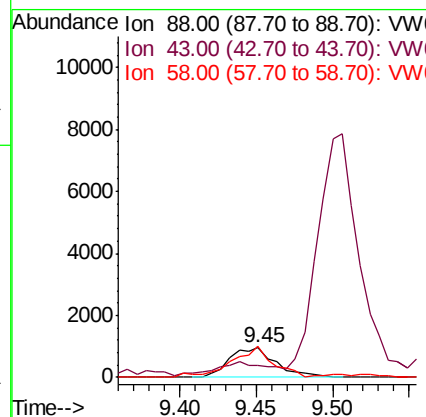
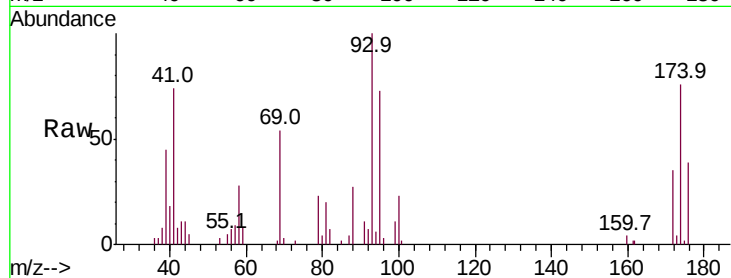
58 96.0 69.7 104.5

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#50

Toluene-d8

Concen: 4.252 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011509.D

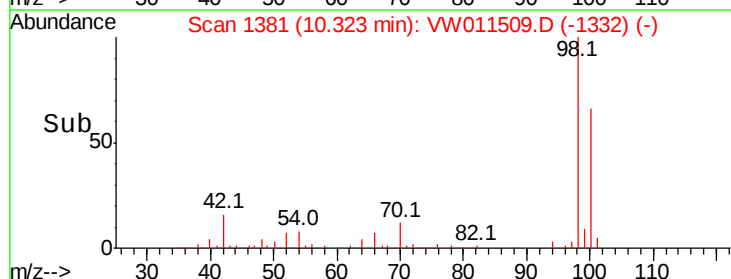
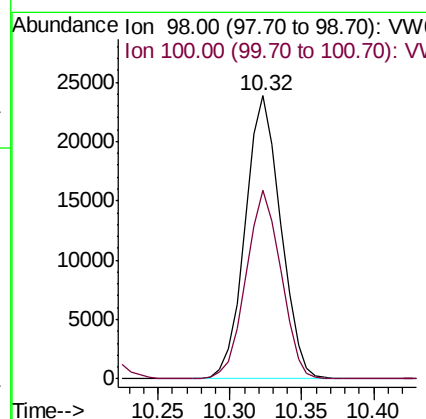
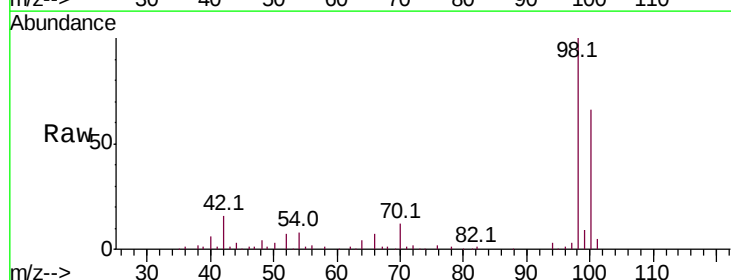
Acq: 26 Jul 2019 11:30

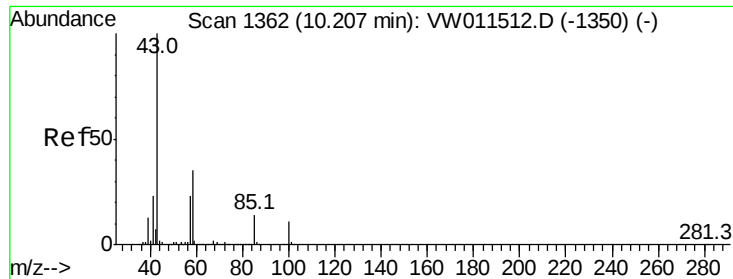
Tgt Ion: 98 Resp: 40708

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 22.189 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 52921

Ion Ratio Lower Upper

43 100

58 35.8

28.2

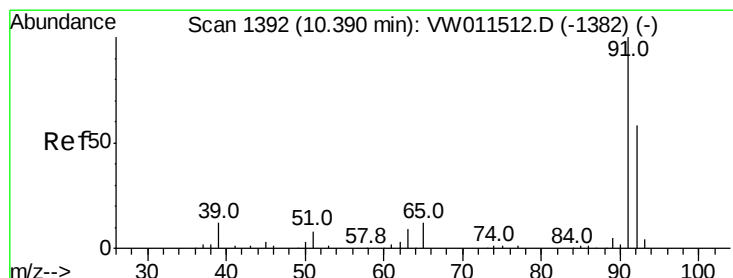
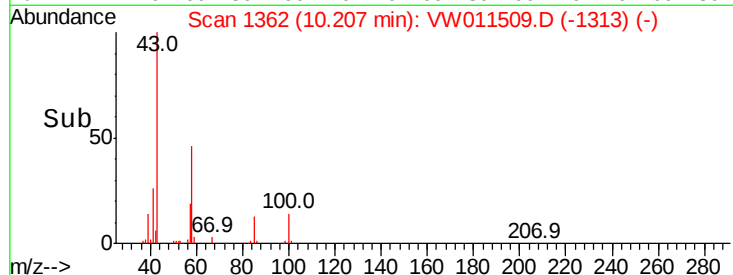
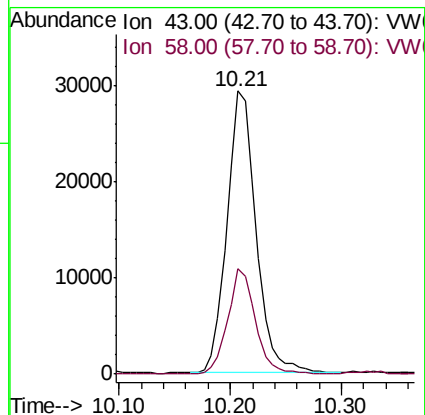
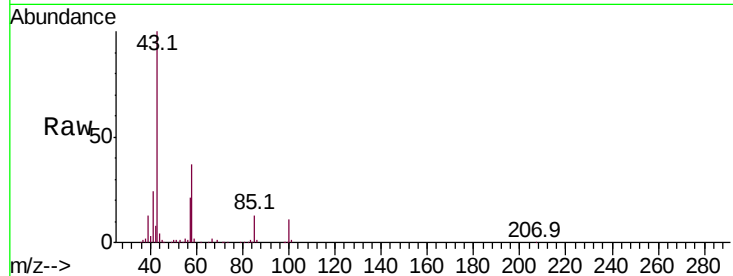
42.2

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#52

Toluene

Concen: 4.689 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion: 92 Resp: 34374

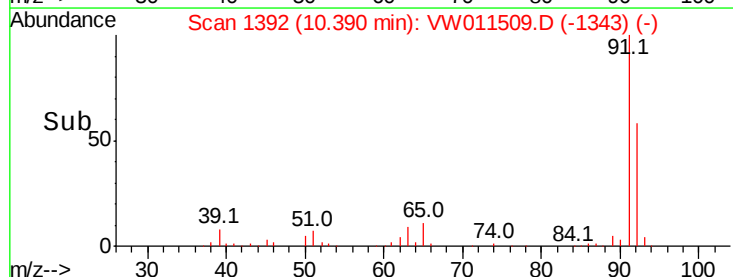
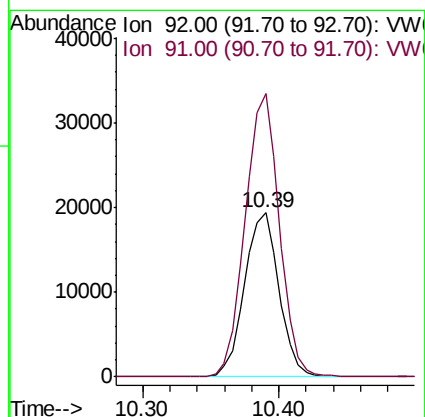
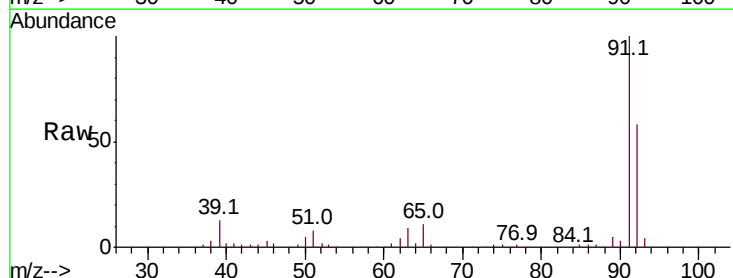
Ion Ratio Lower Upper

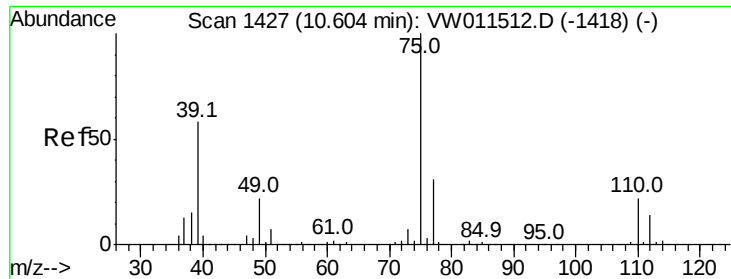
92 100

91 171.5

136.7

205.1





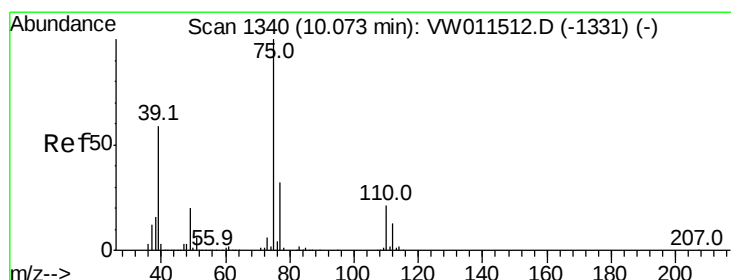
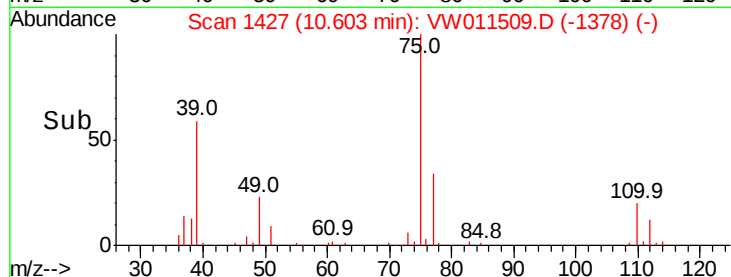
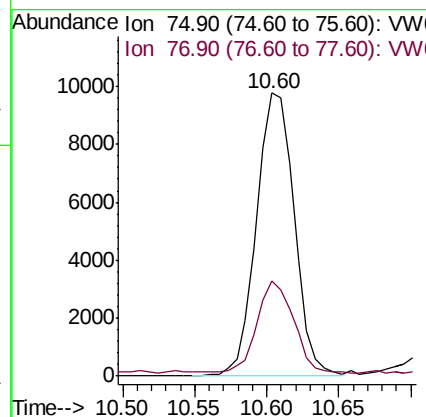
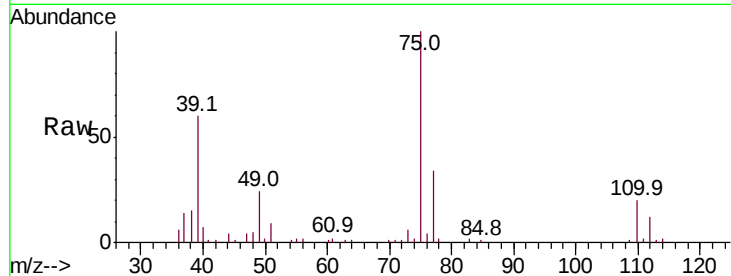
#53
t-1,3-Dichloropropene
Concen: 4.379 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 17789
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.4

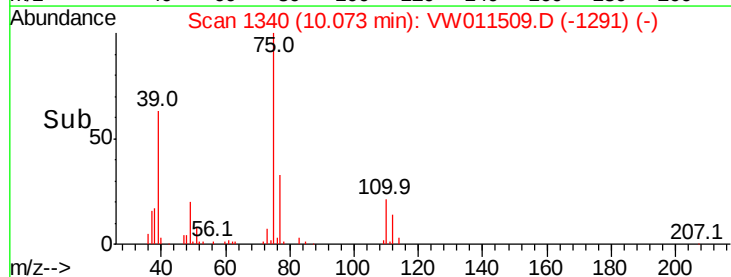
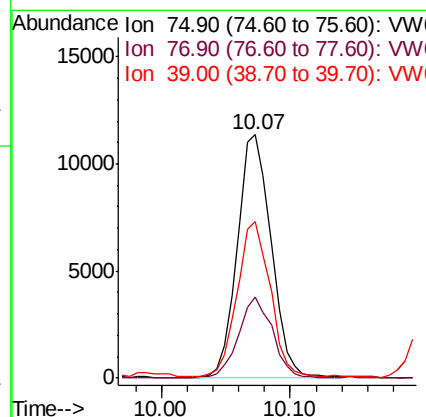
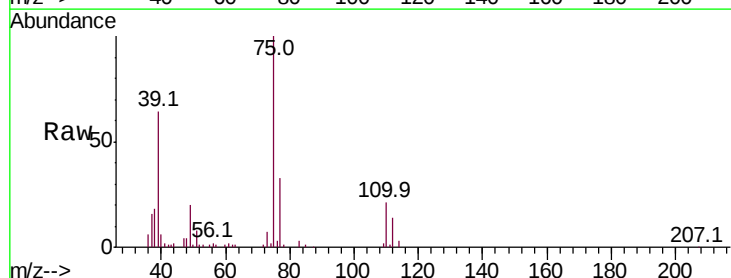
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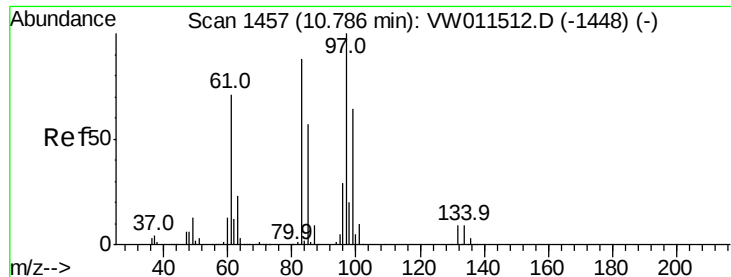
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#54
cis-1,3-Dichloropropene
Concen: 4.300 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 75 Resp: 20768
Ion Ratio Lower Upper
75 100
77 33.2 25.6 38.4
39 63.6 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 4.801 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 10098

Ion Ratio Lower Upper

97 100

83 82.8 70.5 105.7

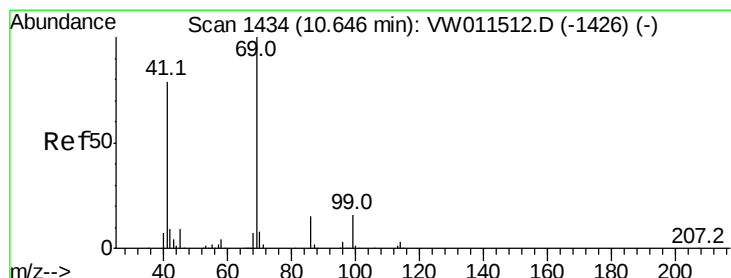
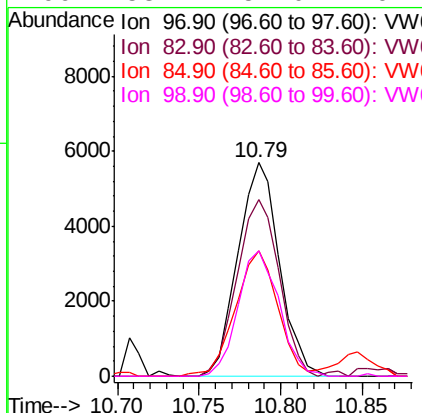
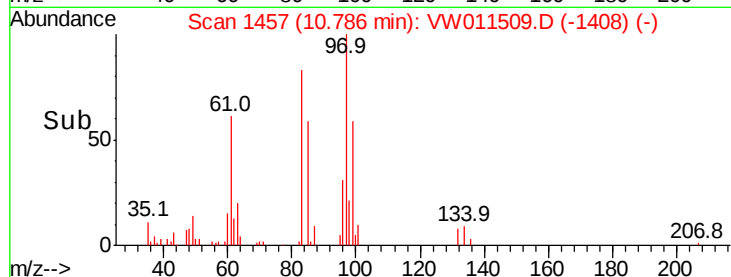
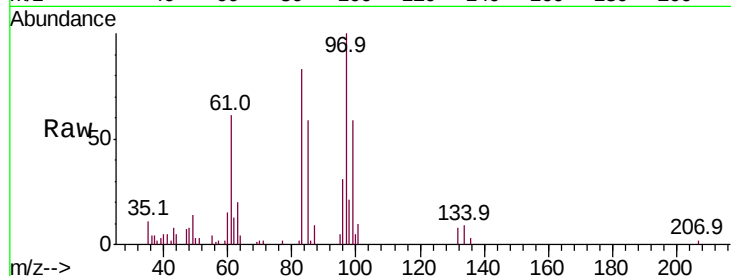
85 57.9 45.8 68.6

99 58.7 51.0 76.4

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#56

Ethyl methacrylate

Concen: 4.034 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

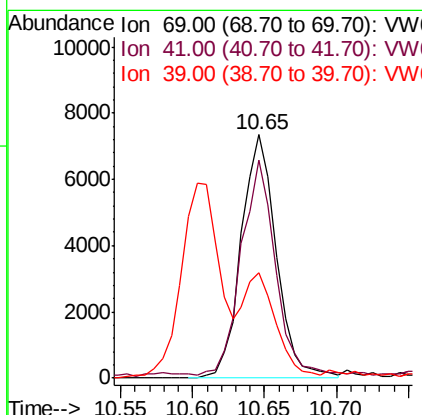
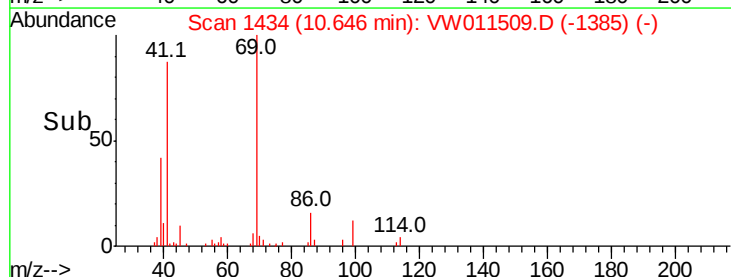
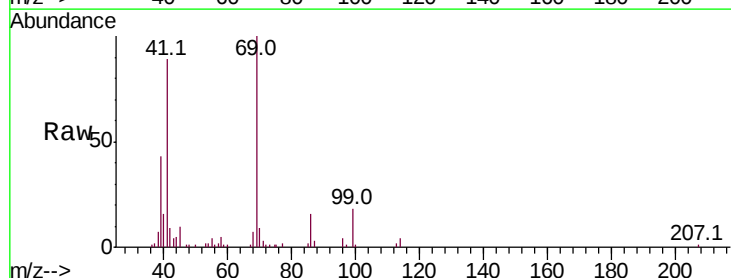
Tgt Ion: 69 Resp: 12415

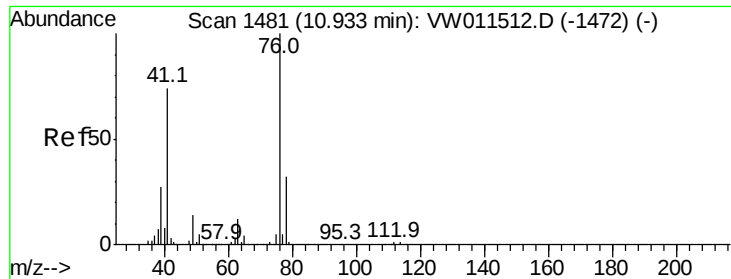
Ion Ratio Lower Upper

69 100

41 85.9 66.6 99.8

39 38.8 30.3 45.5





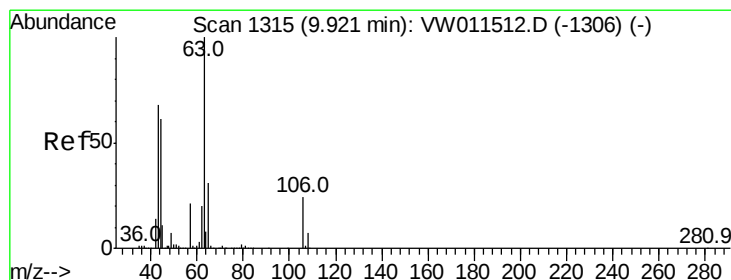
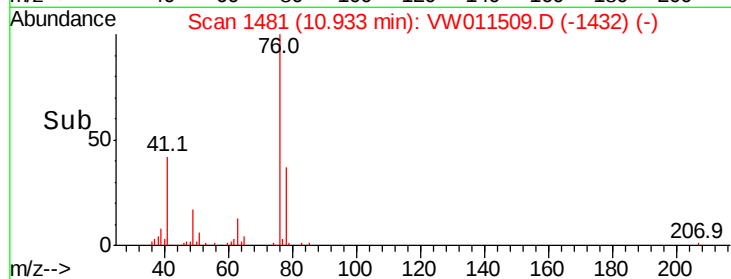
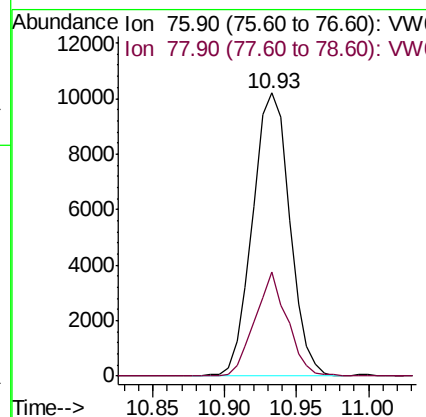
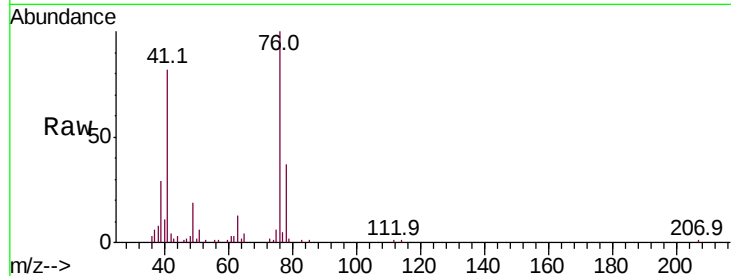
#57
 1,3-Dichloropropane
 Concen: 4.582 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 18234
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

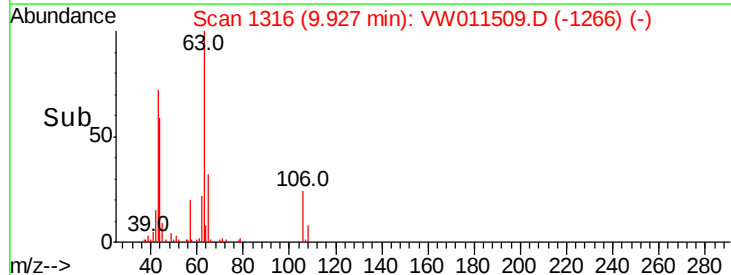
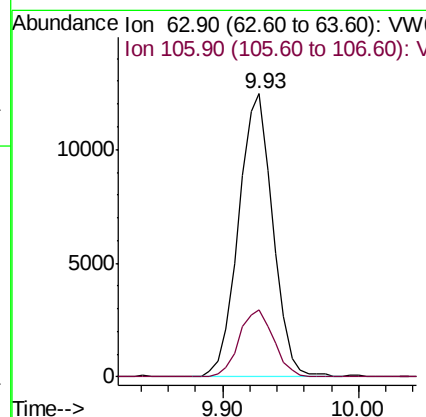
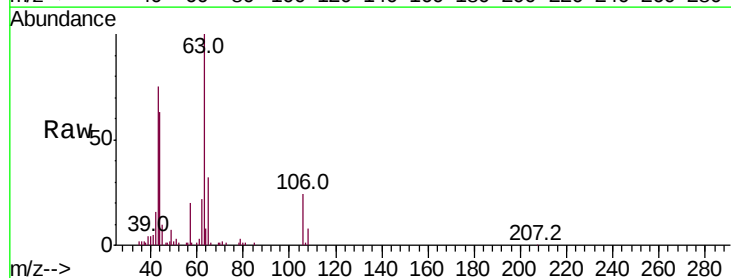
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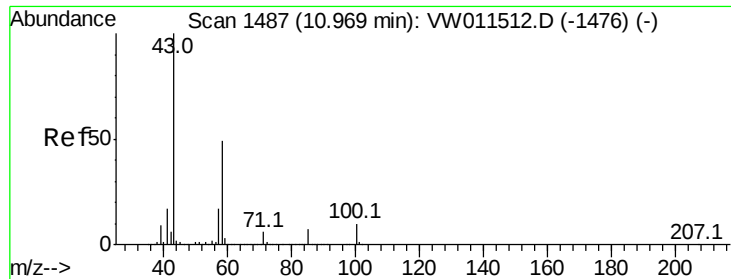
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 7/29/2019 9:17:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.646 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion: 63 Resp: 21864
 Ion Ratio Lower Upper
 63 100
 106 23.8 19.7 29.5





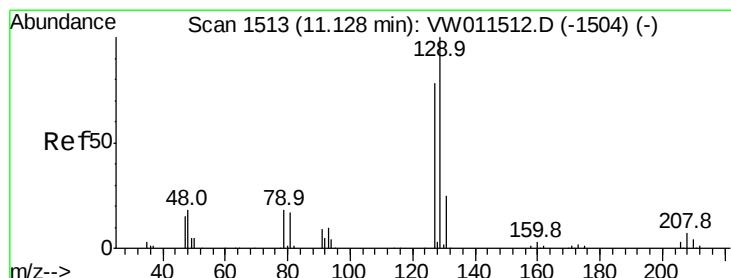
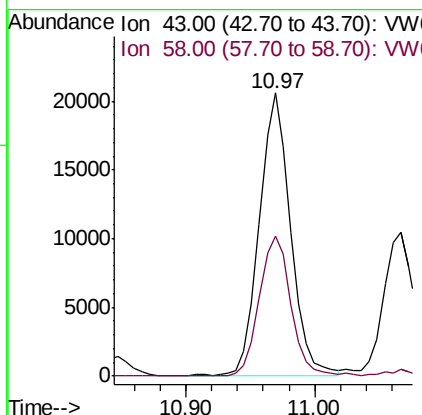
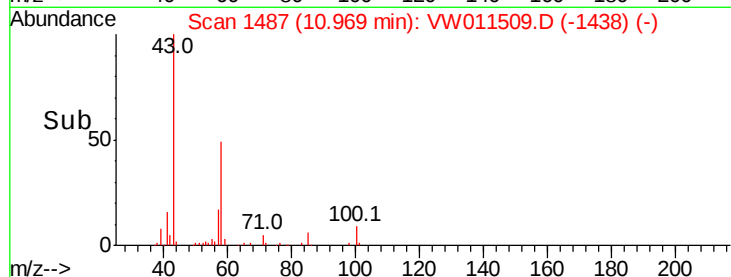
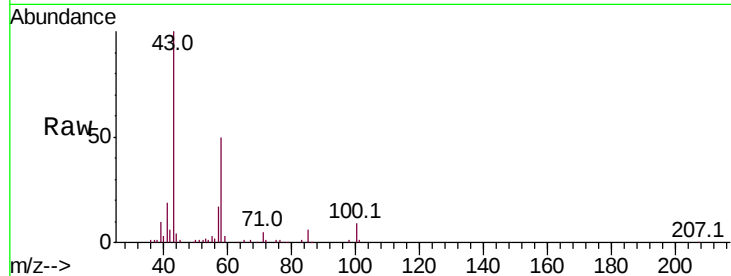
#59
2-Hexanone
Concen: 20.537 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 34584
Ion Ratio Lower Upper
43 100
58 50.1 24.3 72.9

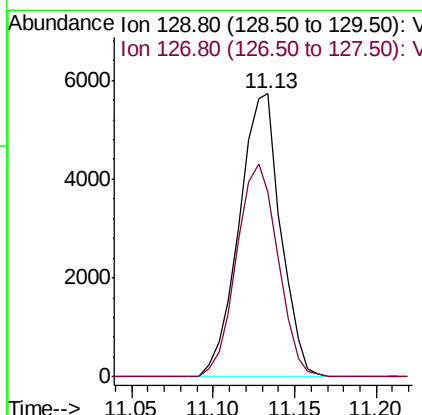
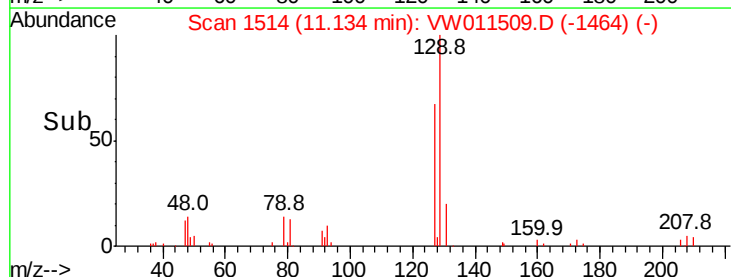
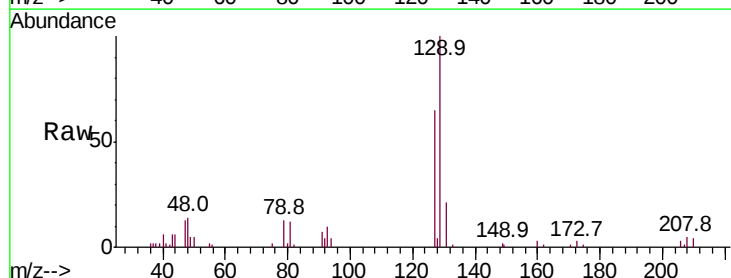
Manual Integrations
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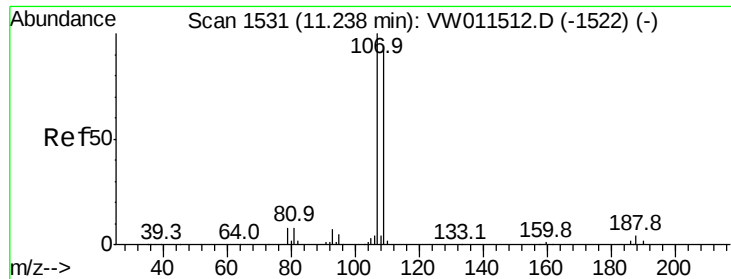
MMDadoda
7/29/2019 9:17:26 AM



#60
Dibromochloromethane
Concen: 4.360 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 129 Resp: 10179
Ion Ratio Lower Upper
129 100
127 74.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 4.514 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 8985

Ion Ratio Lower Upper

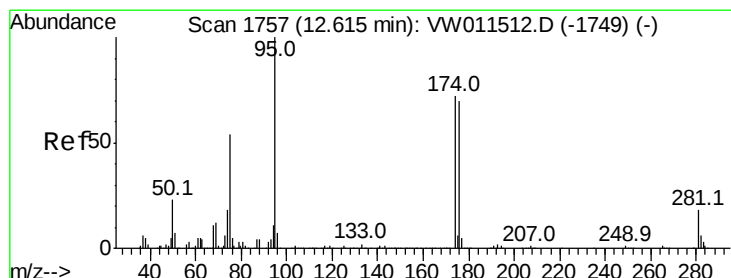
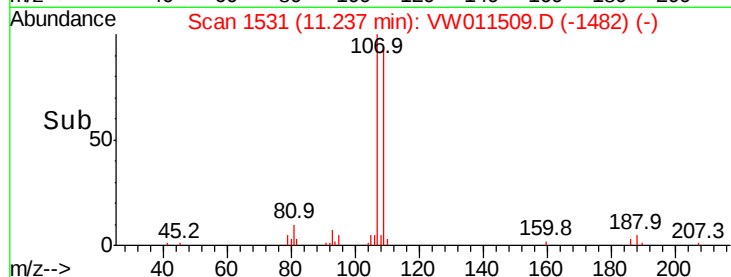
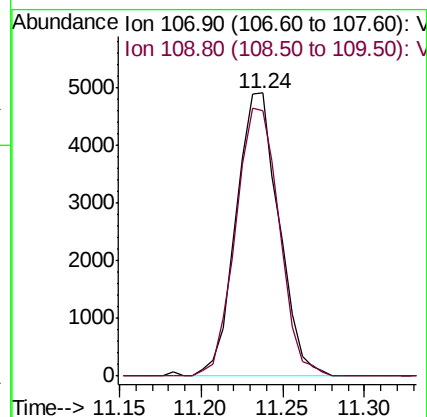
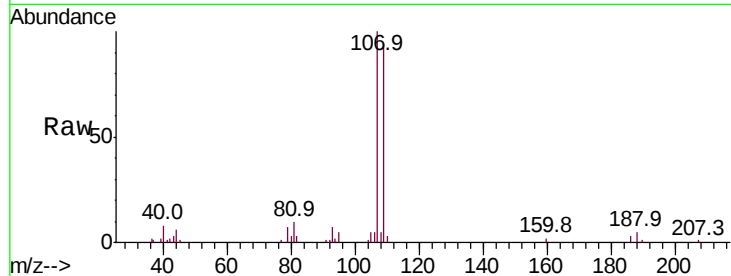
107 100

109 96.3 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 4.357 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

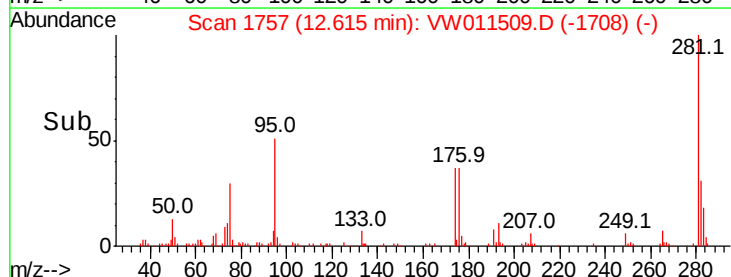
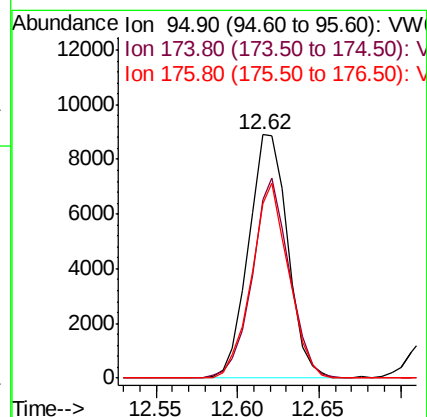
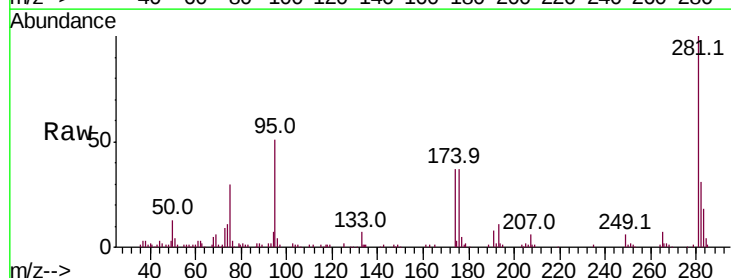
Tgt Ion: 95 Resp: 14869

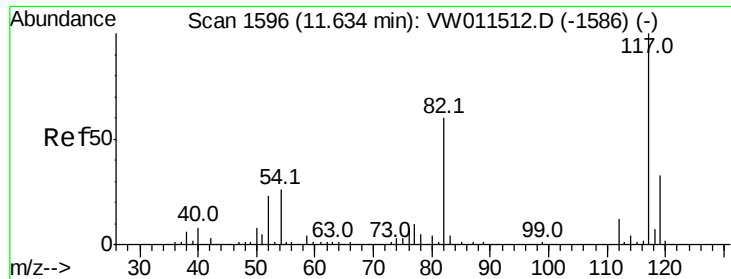
Ion Ratio Lower Upper

95 100

174 77.4 0.0 150.2

176 75.3 0.0 144.4





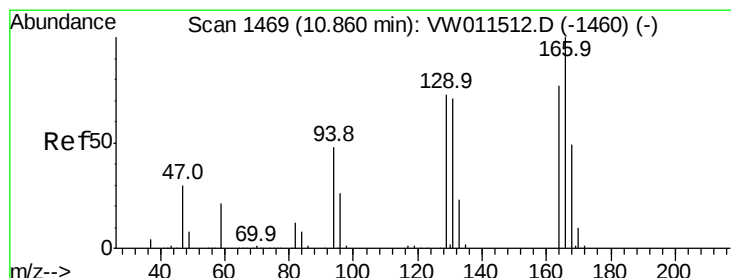
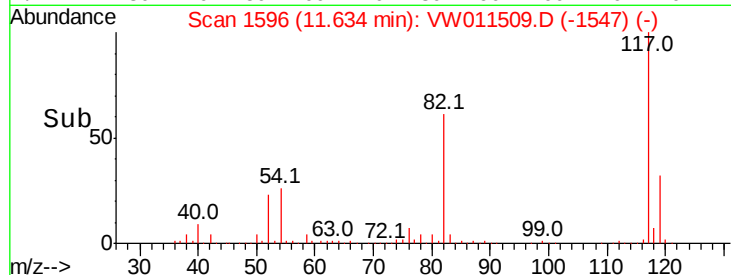
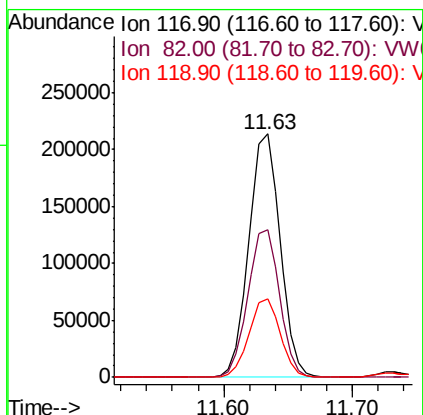
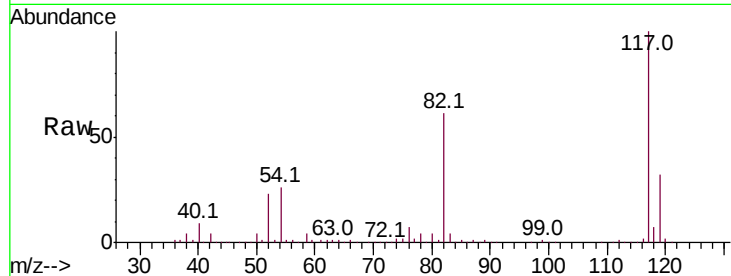
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	60.9	47.9	71.9	
119	32.2	26.2	39.2	

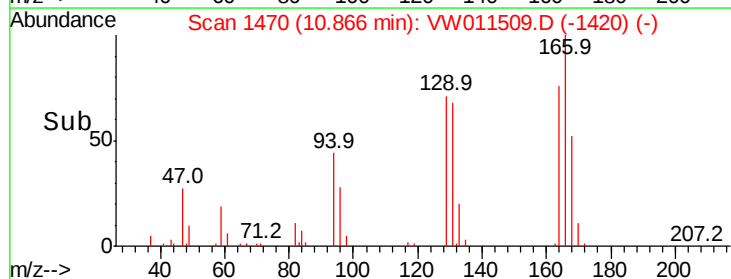
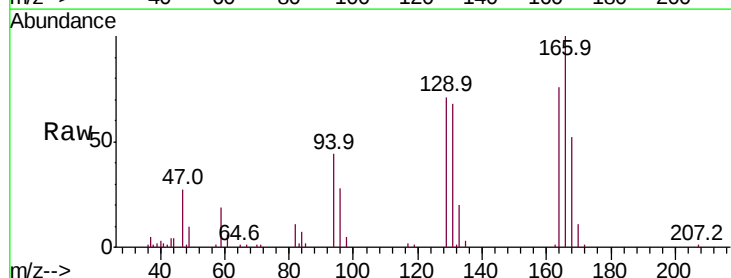
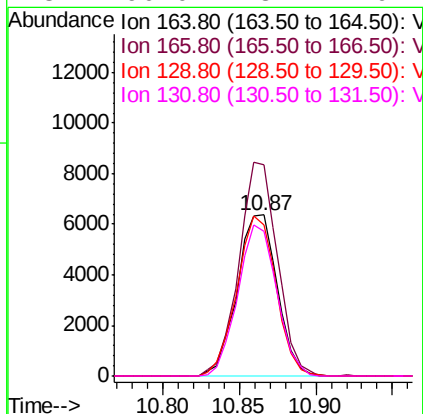
Manual Integrations
APPROVED

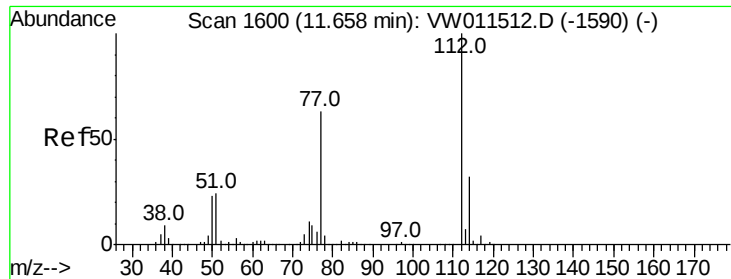
MMDadoda
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#64
Tetrachloroethene
Concen: 4.963 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	131.8	103.5	155.3	
129	93.9	75.2	112.8	
131	90.0	73.4	110.2	





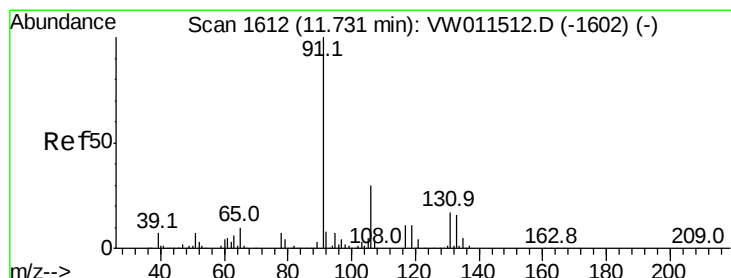
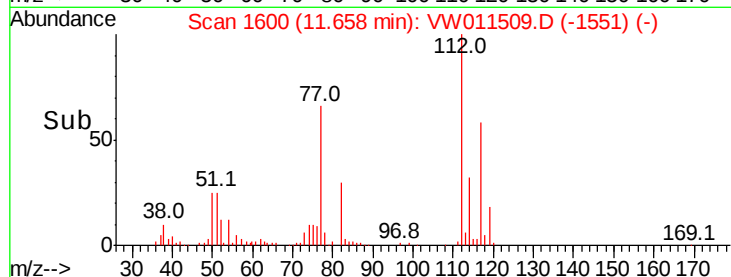
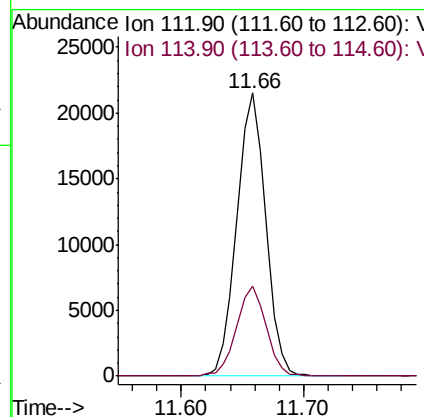
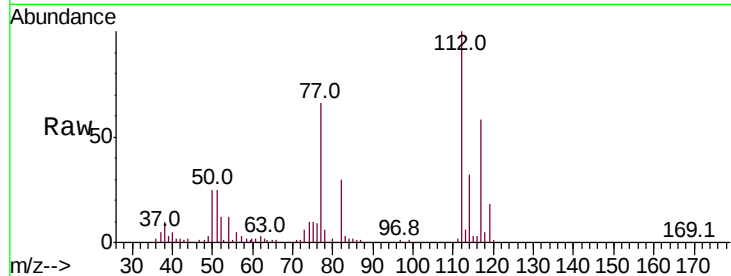
#65
Chlorobenzene
Concen: 4.875 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4

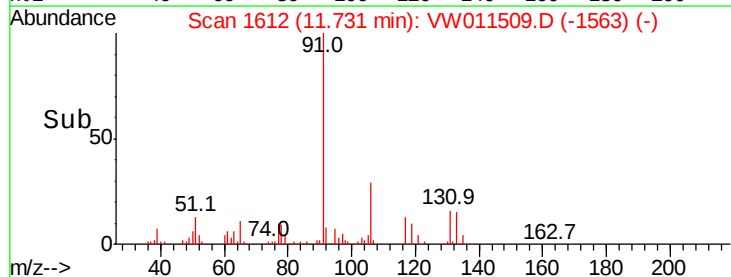
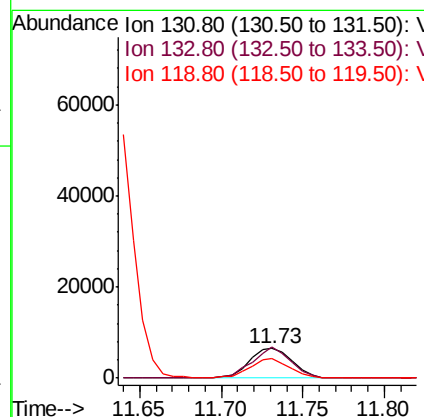
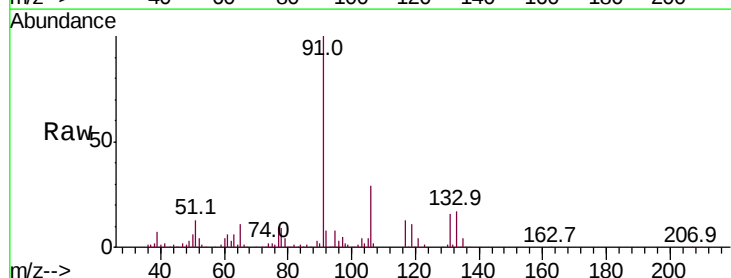
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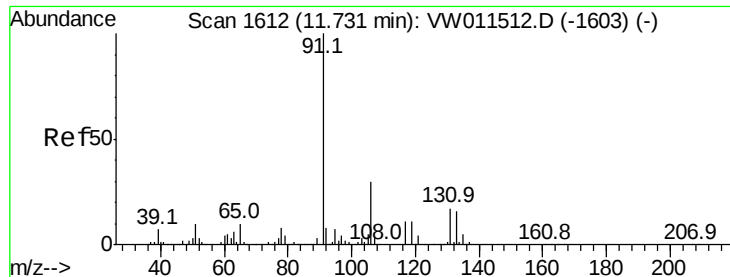
MMDadoda
7/29/2019 9:17:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.715 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.4	142.2
119	62.5	32.3	96.9





#67

Ethyl Benzene

Concen: 4.708 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 64668

Ion Ratio Lower Upper

91 100

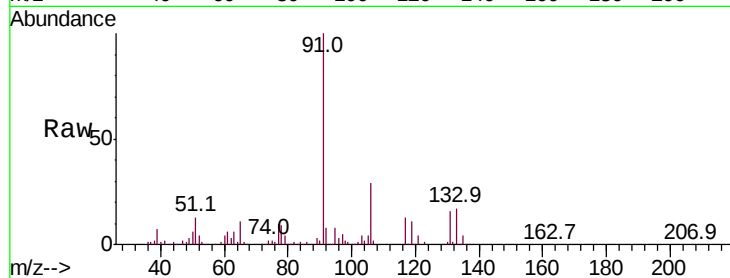
106 29.3 23.8 35.6

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

40000

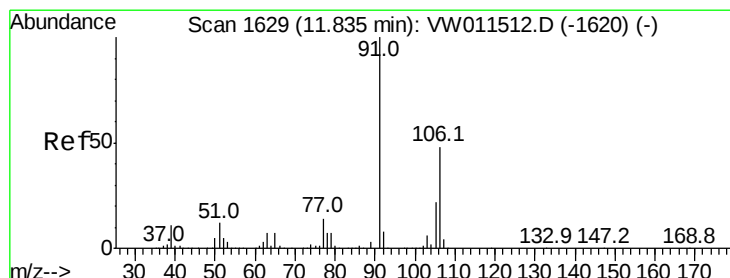
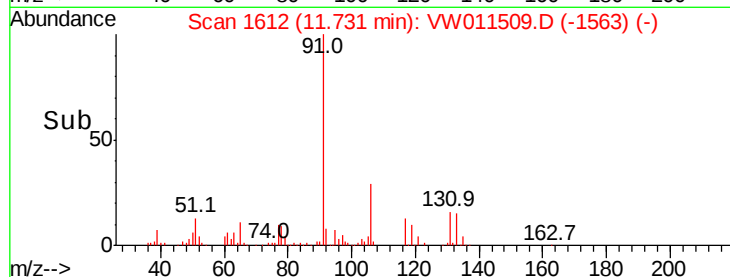
30000

20000

10000

0

Time-->



#68

m/p-Xylenes

Concen: 9.429 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011509.D

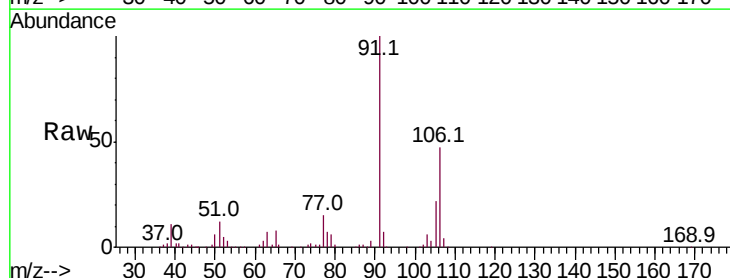
Acq: 26 Jul 2019 11:30

Tgt Ion: 106 Resp: 47100

Ion Ratio Lower Upper

106 100

91 210.4 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

60000

50000

40000

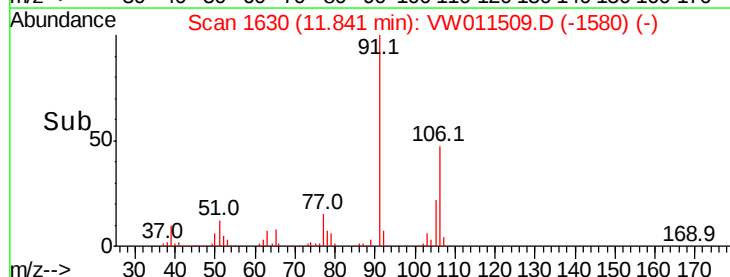
30000

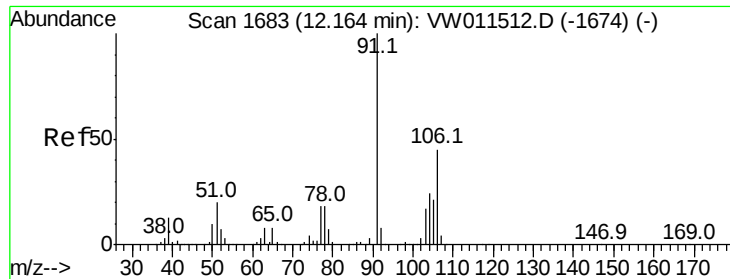
20000

10000

0

Time-->





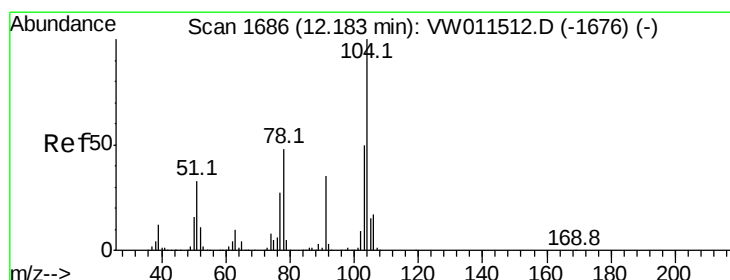
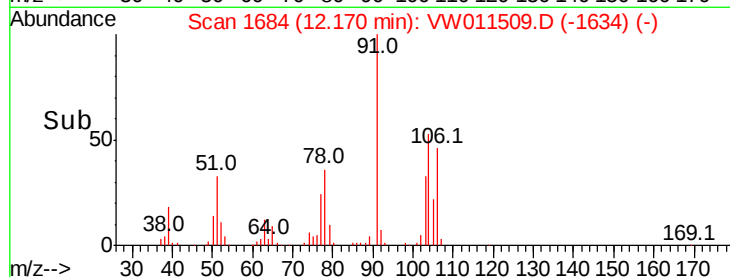
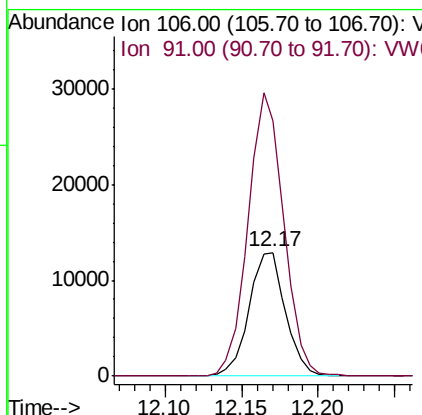
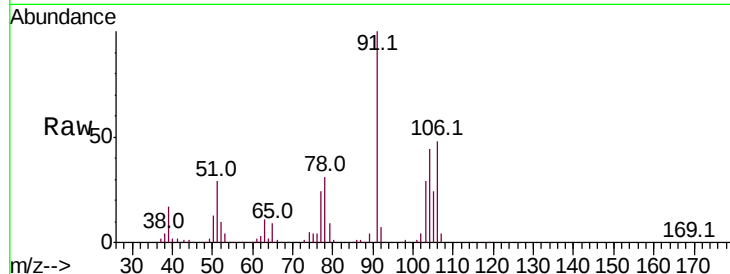
#69
o-Xylene
Concen: 4.598 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 21342
Ion Ratio Lower Upper
106 100
91 224.8 110.5 331.5

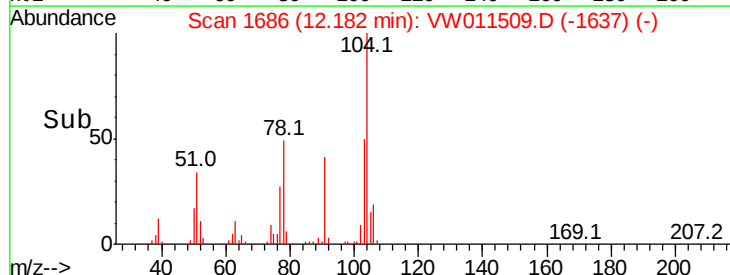
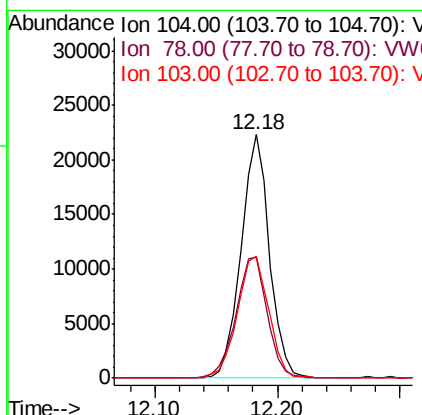
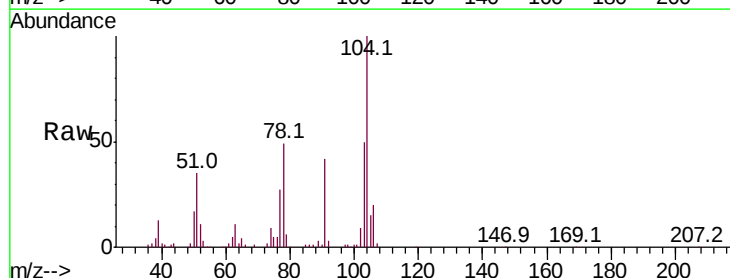
Manual Integrations
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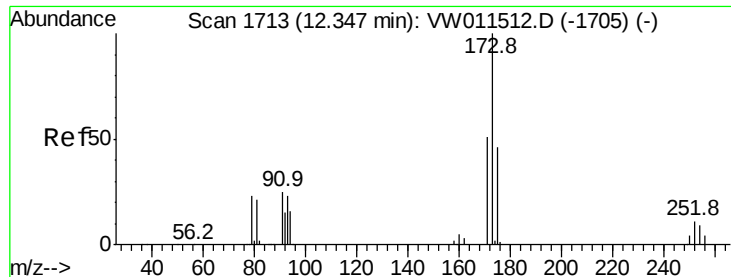
MMDadoda
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#70
Styrene
Concen: 4.453 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion:104 Resp: 35737
Ion Ratio Lower Upper
104 100
78 55.2 43.4 65.0
103 55.7 43.9 65.9





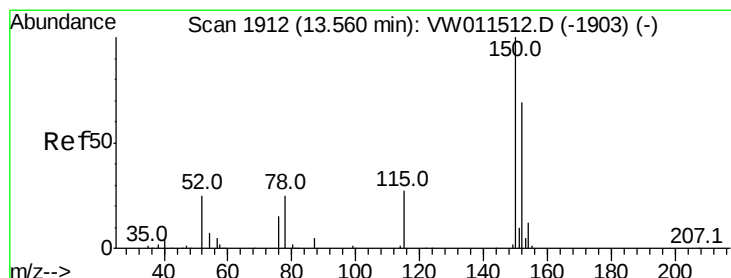
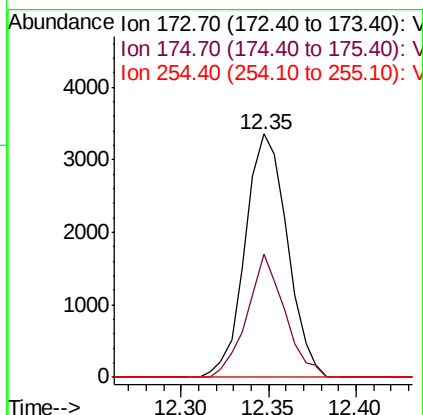
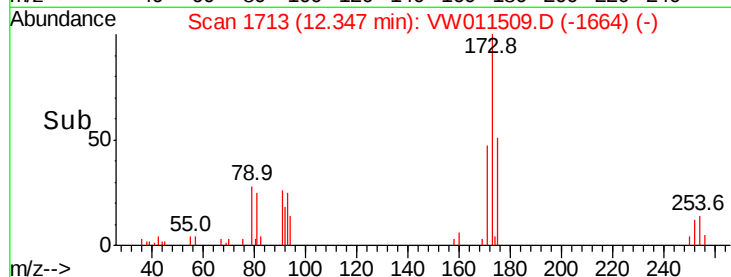
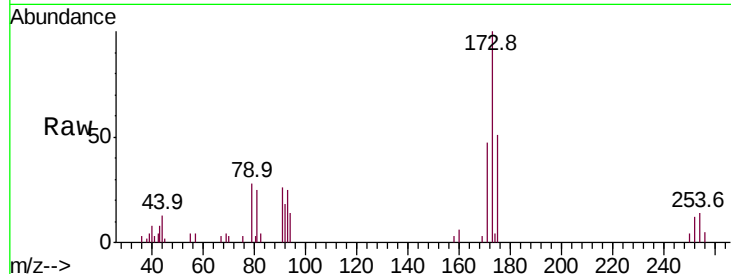
#71
Bromoform
Concen: 4.426 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.3	23.6	71.0
254	0.0	0.1	0.1#

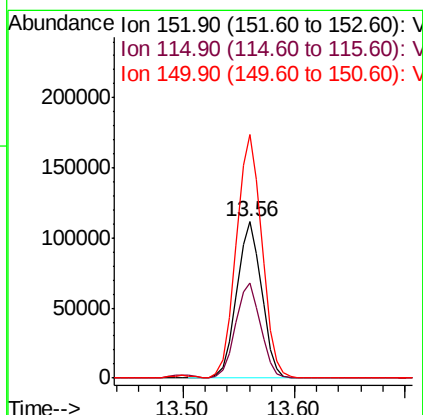
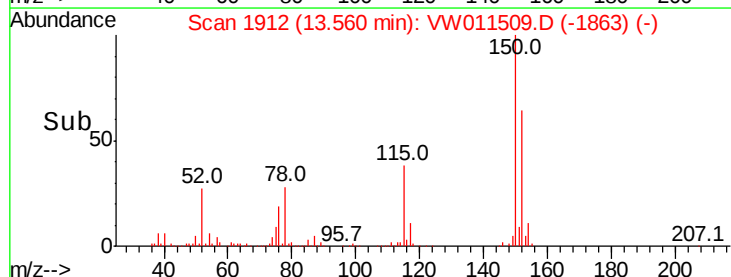
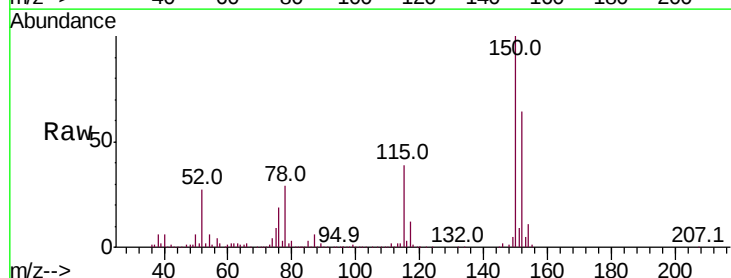
Manual Integrations
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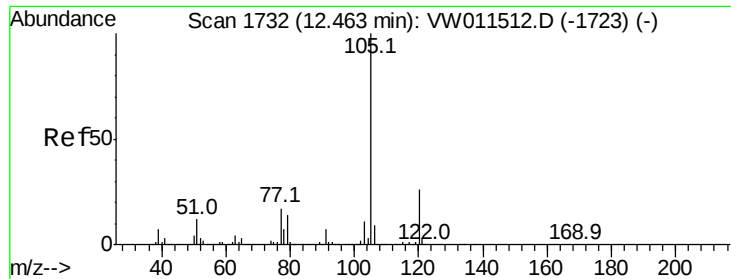
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.5	91.5
150	159.8	0.0	352.6





#73

Isopropylbenzene

Concen: 4.878 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 62790

Ion Ratio Lower Upper

105 100

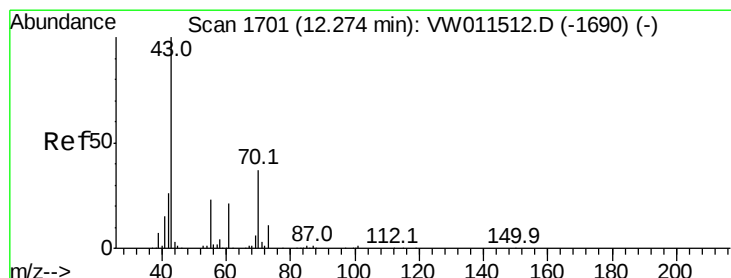
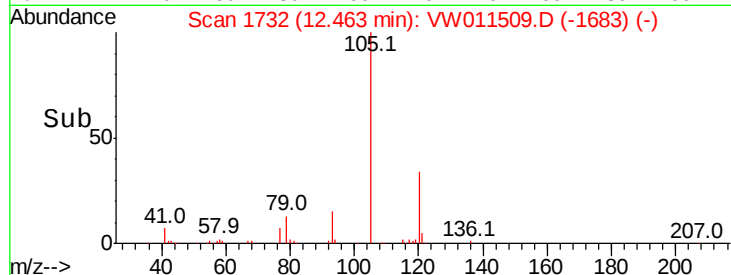
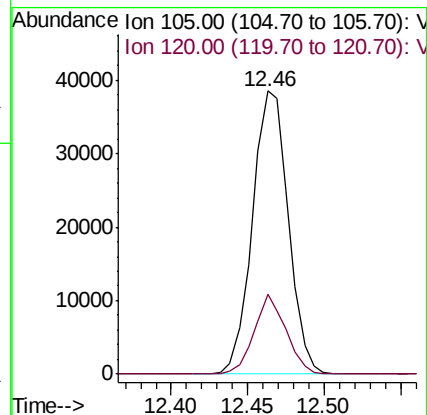
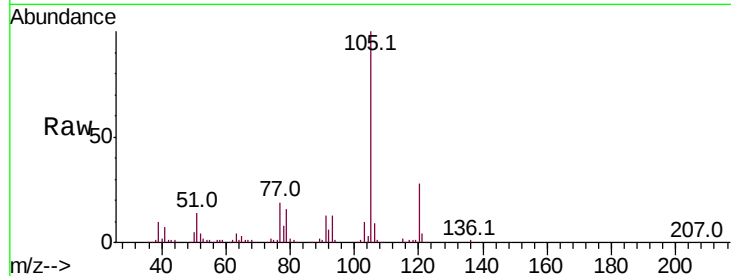
120 25.1 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.263 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion: 43 Resp: 17180

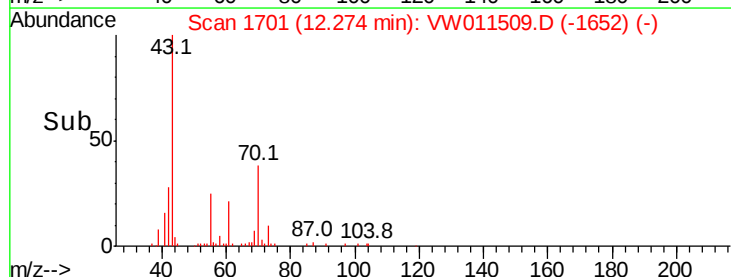
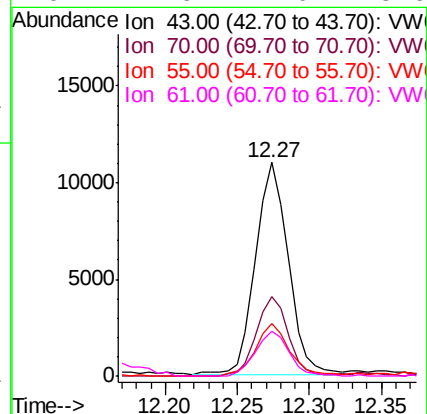
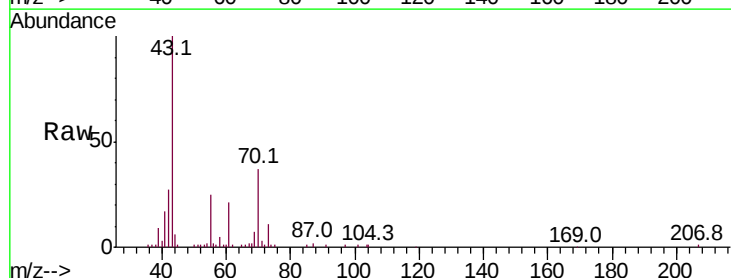
Ion Ratio Lower Upper

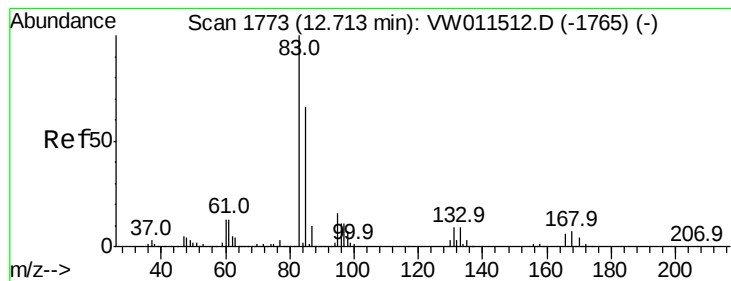
43 100

70 36.4 28.6 43.0

55 25.5 17.8 26.8

61 21.6 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.632 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

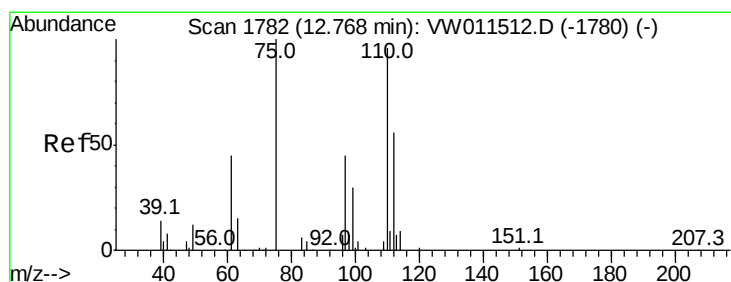
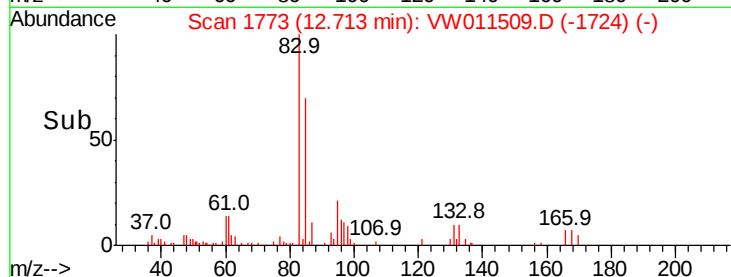
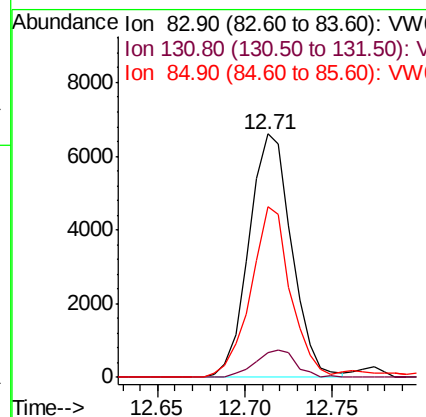
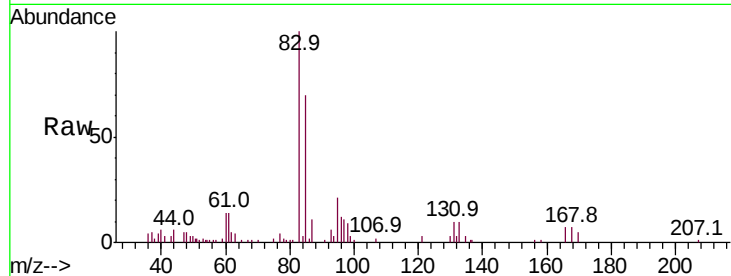
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11215
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.9	14.6
85	65.1	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.354 ug/l m

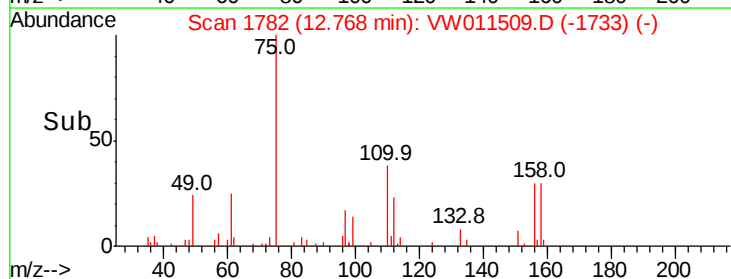
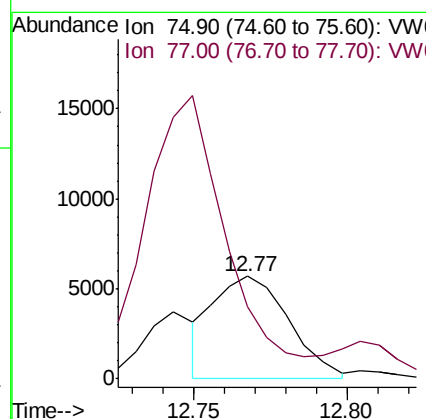
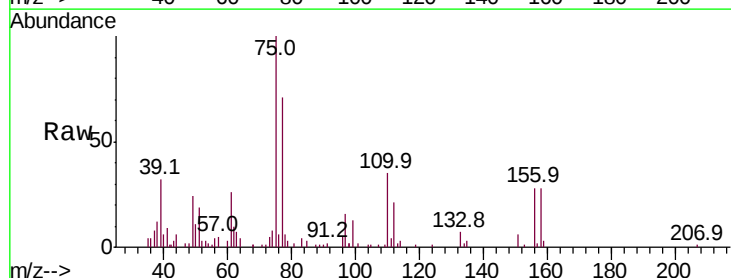
RT: 12.77 min Scan# 1782

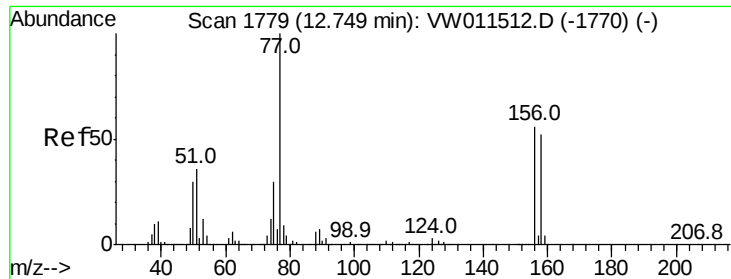
Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion:	75	Resp:	9808
Ion Ratio	Lower	Upper	
75	100		
77	298.2	0.0	0.0#





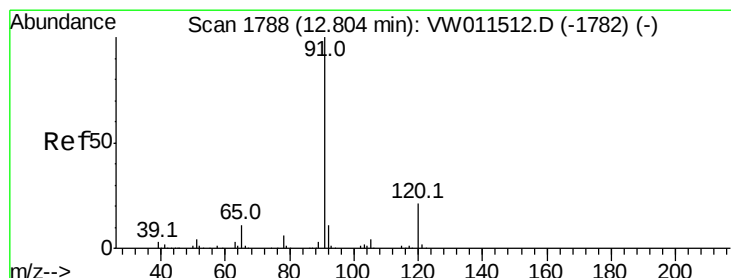
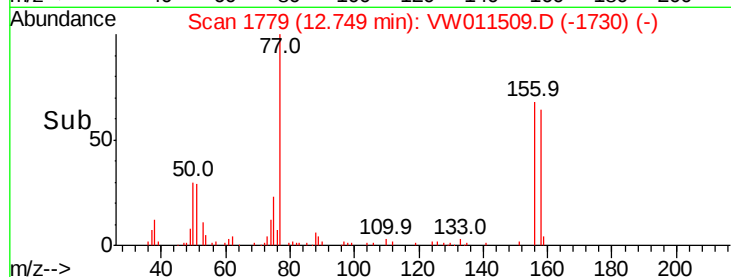
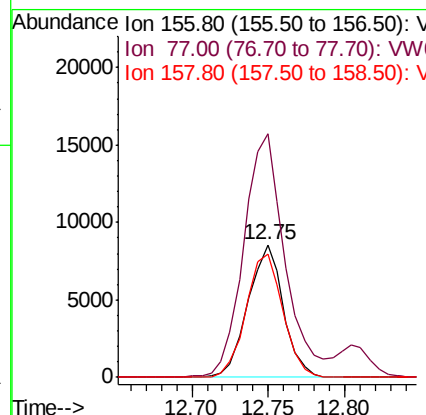
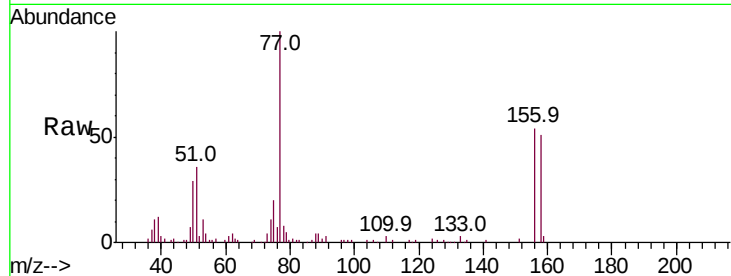
#77
Bromobenzene
Concen: 4.825 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	213.1	106.5	319.4
158	96.9	48.0	144.2

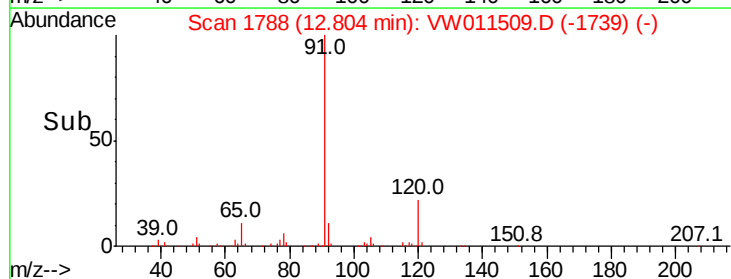
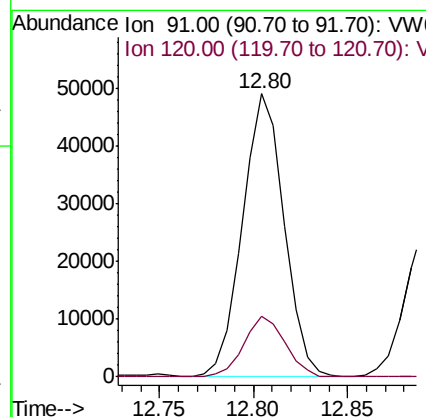
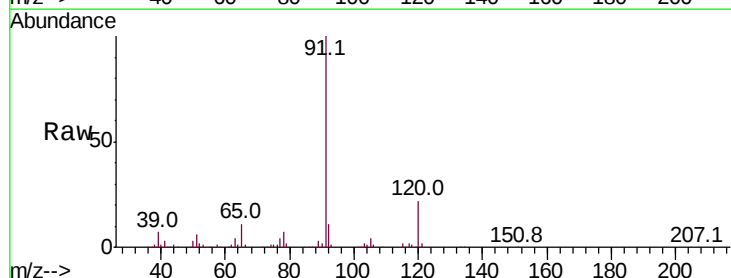
Manual Integrations
APPROVED

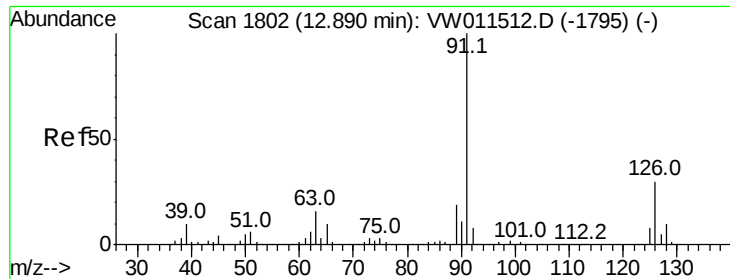
MMDadoda
7/29/2019 9:17:26 AM



#78
n-propylbenzene
Concen: 4.770 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.9	32.7





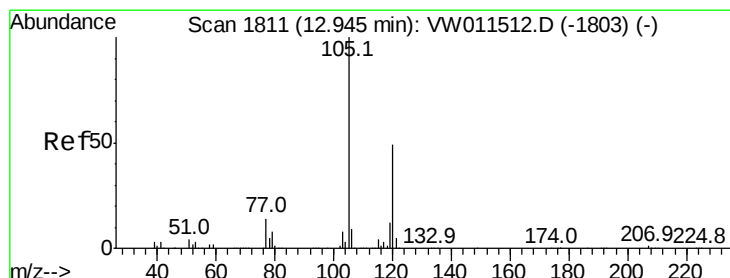
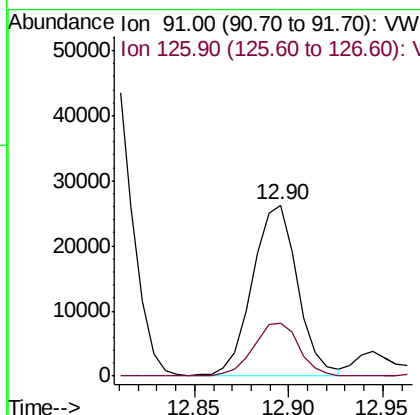
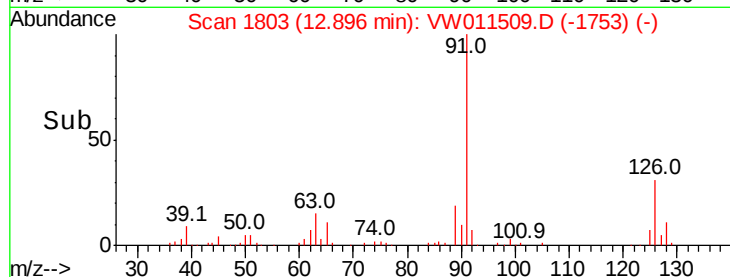
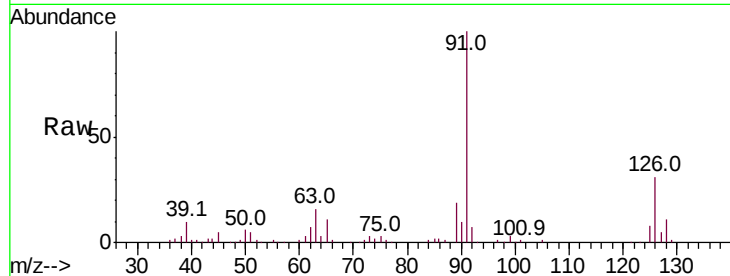
#79
2-Chlorotoluene
Concen: 4.831 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 43600
Ion Ratio Lower Upper
91 100
126 31.6 15.7 47.1

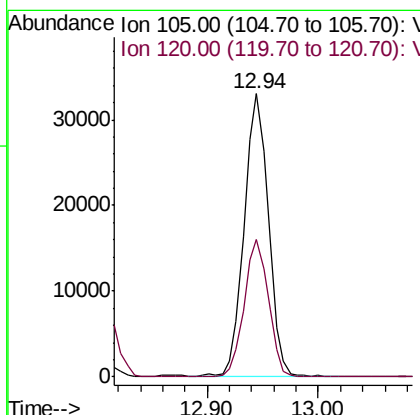
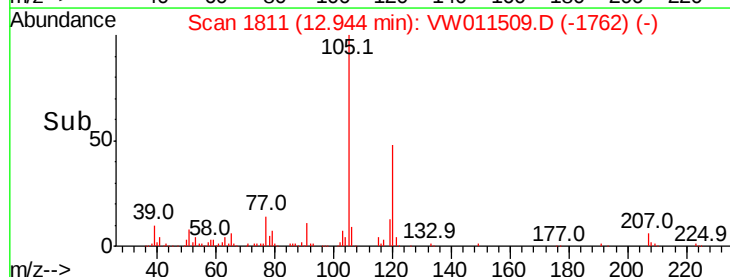
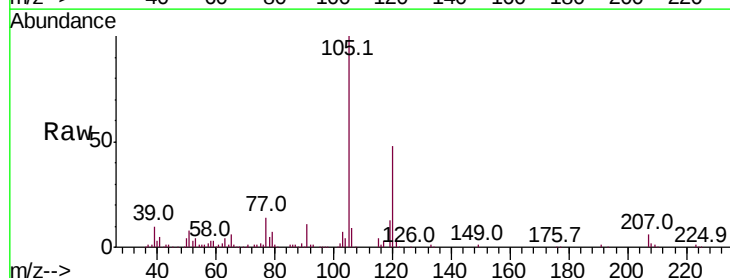
Manual Integrations
APPROVED

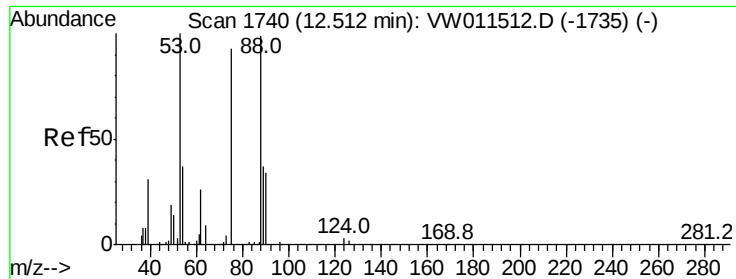
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 4.657 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 105 Resp: 50250
Ion Ratio Lower Upper
105 100
120 48.5 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 3.870 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

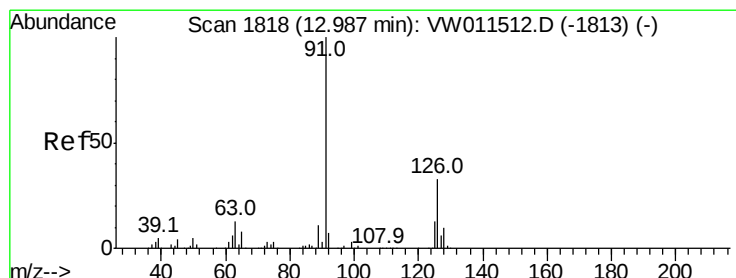
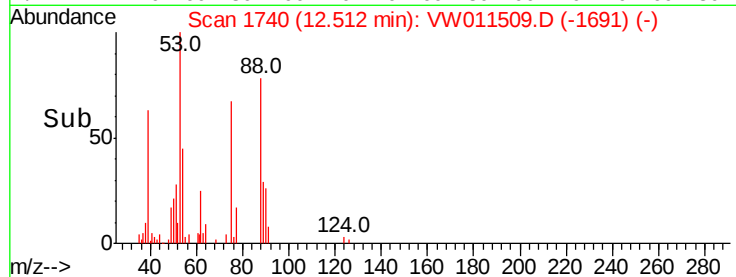
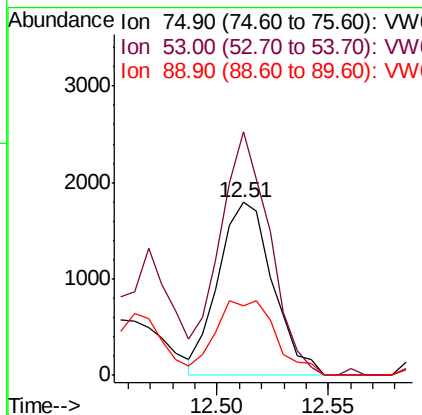
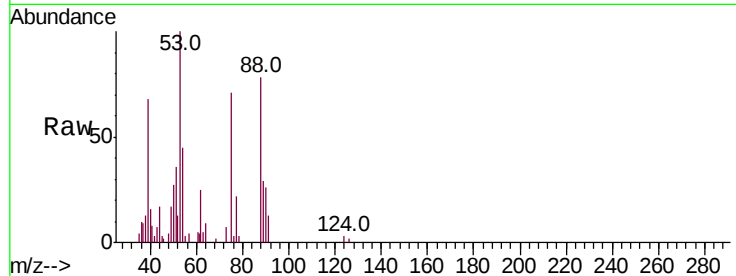
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3066
Ion	Ratio	Lower	Upper
75	100		
53	129.2	88.0	132.0
89	47.5	35.3	52.9

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#82

4-Chlorotoluene

Concen: 4.845 ug/l

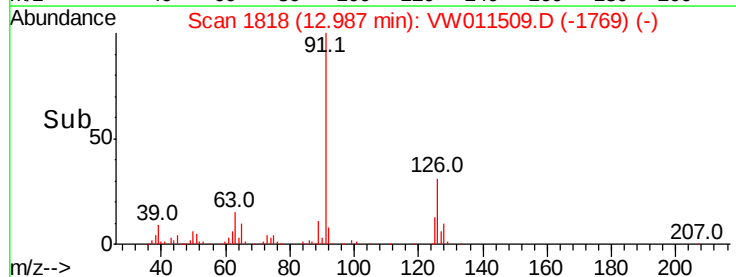
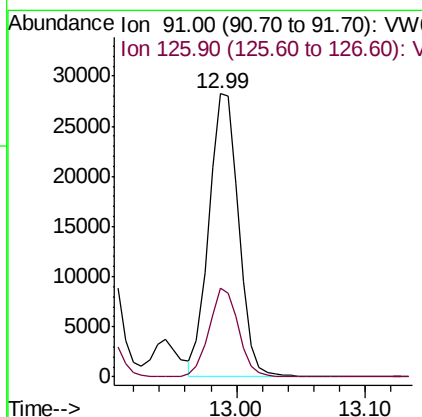
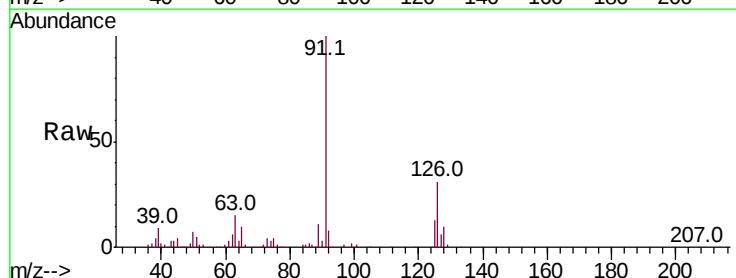
RT: 12.99 min Scan# 1818

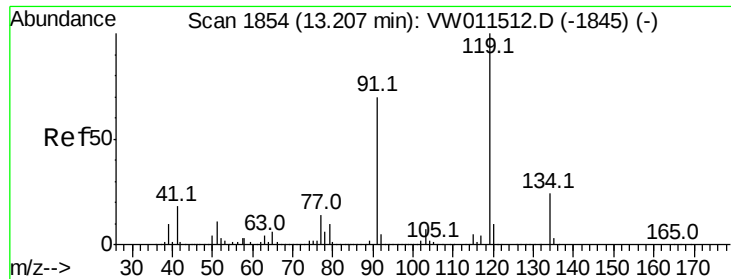
Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion:	91	Resp:	45876
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.8





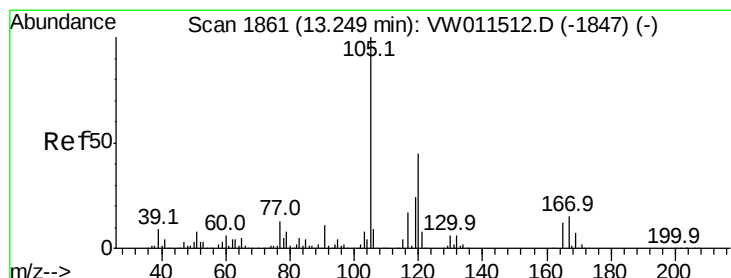
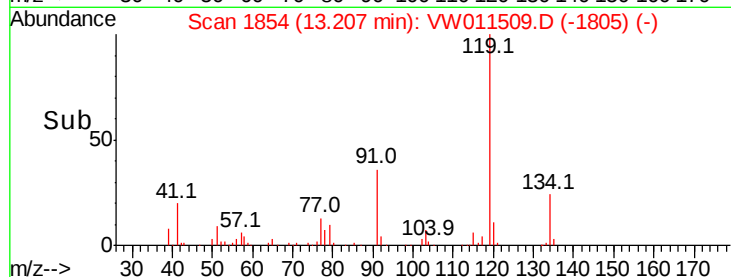
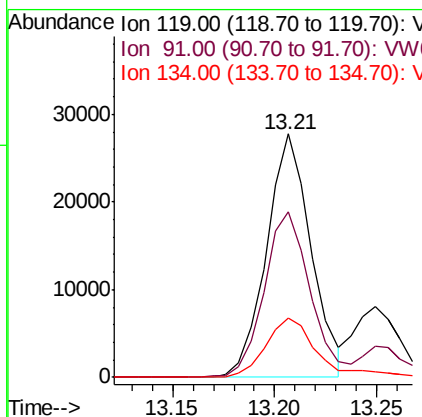
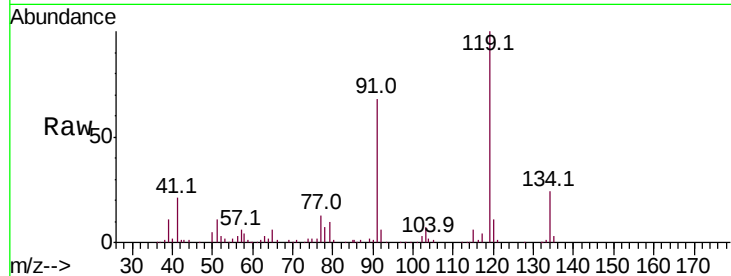
#83
tert-Butylbenzene
Concen: 4.683 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	34.5	103.6
134	28.1	12.4	37.4

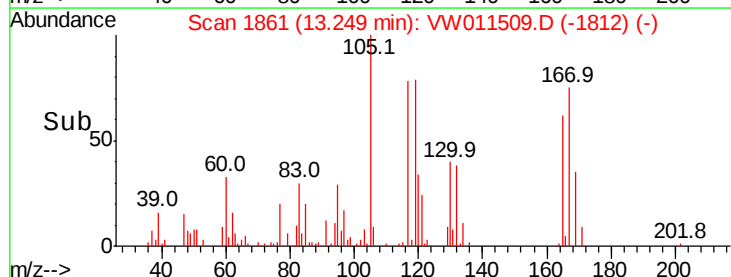
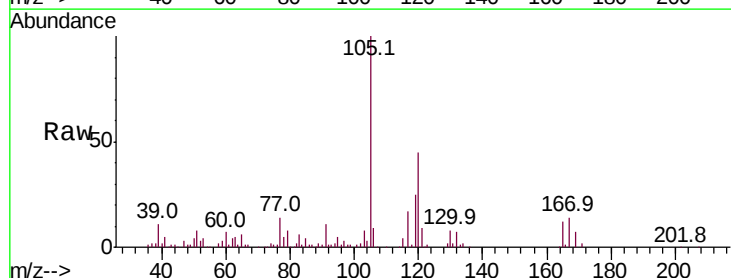
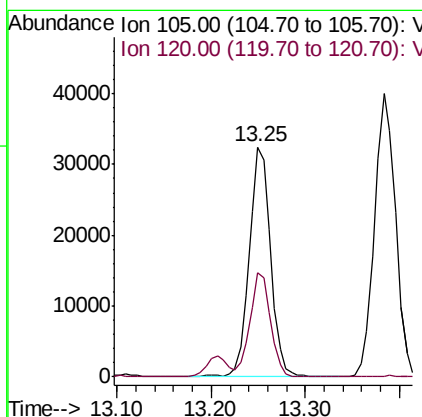
Manual Integrations
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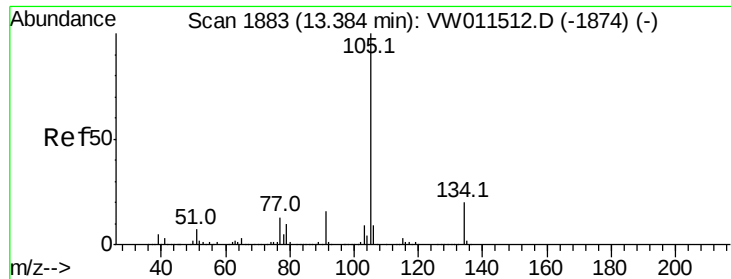
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#84
1,2,4-Trimethylbenzene
Concen: 4.757 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





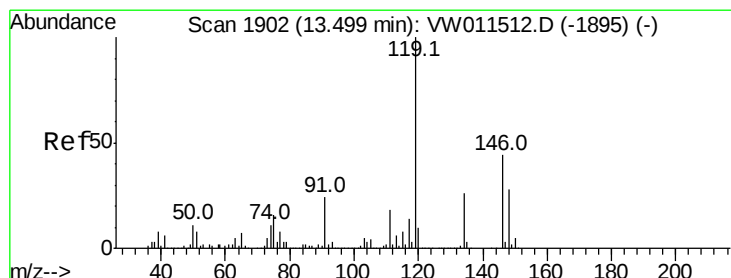
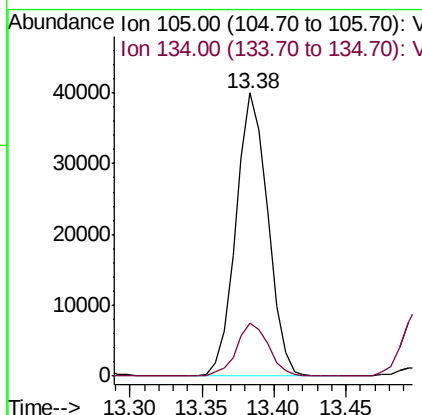
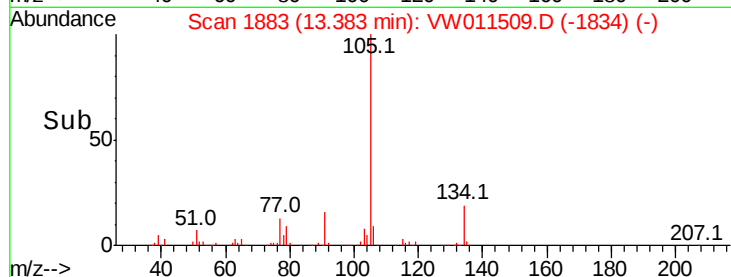
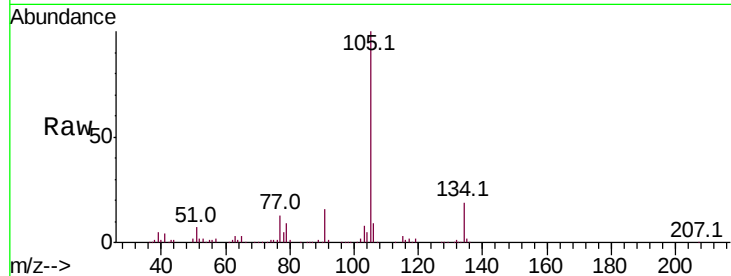
#85
 sec-Butylbenzene
 Concen: 4.787 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 61635
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.7 29.1

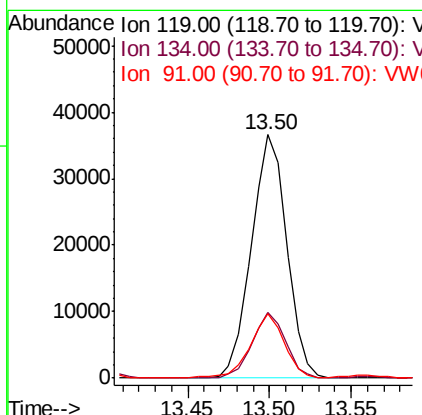
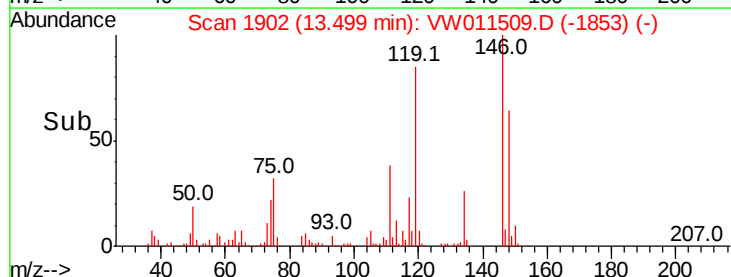
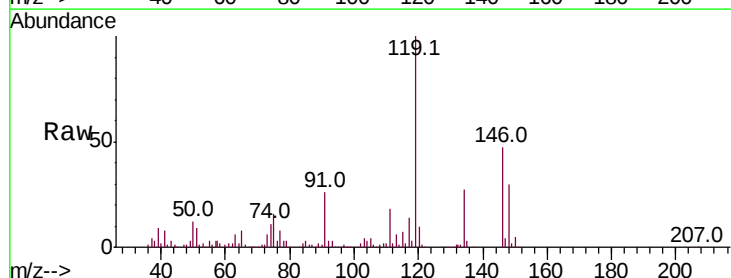
Manual Integrations
 APPROVED

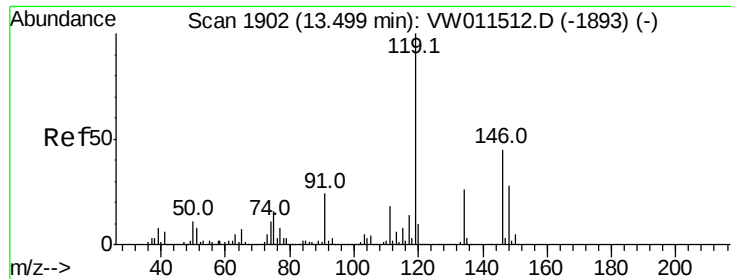
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#86
 p-Isopropyltoluene
 Concen: 4.740 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion:119 Resp: 55376
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 25.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.965 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011509.D

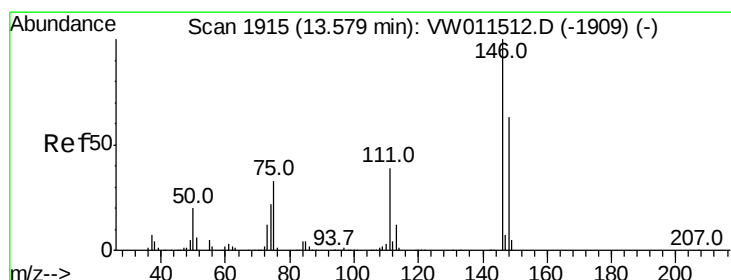
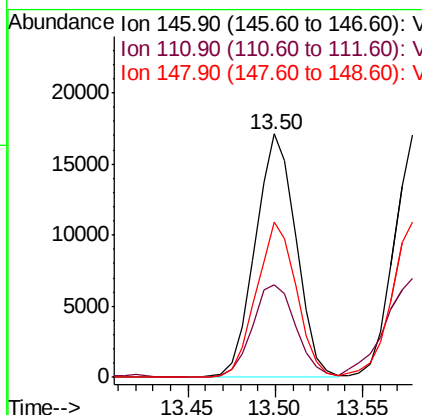
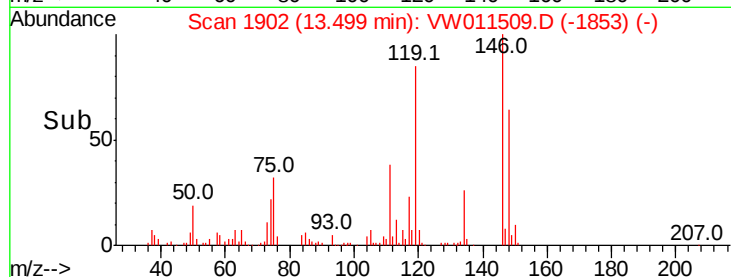
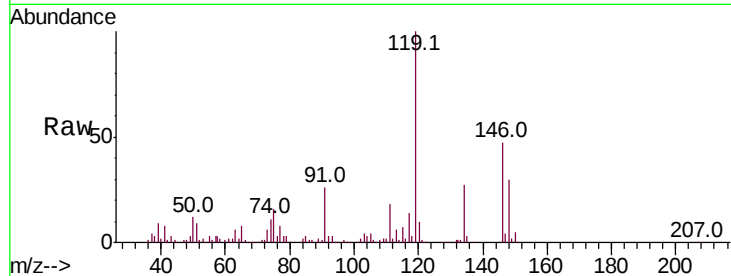
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.6
148	62.9	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.046 ug/l

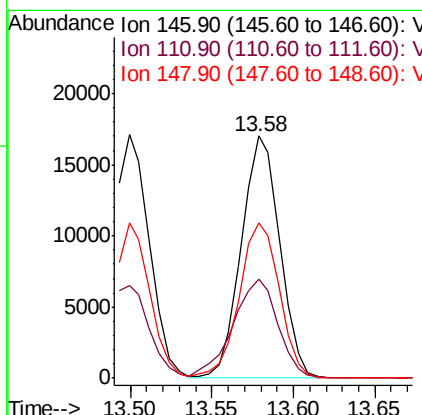
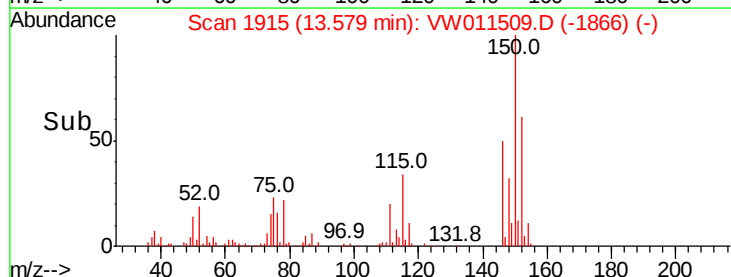
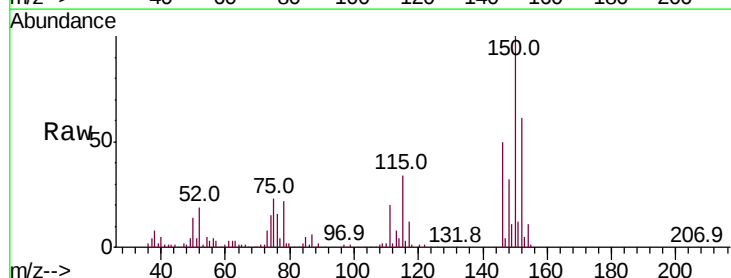
RT: 13.58 min Scan# 1915

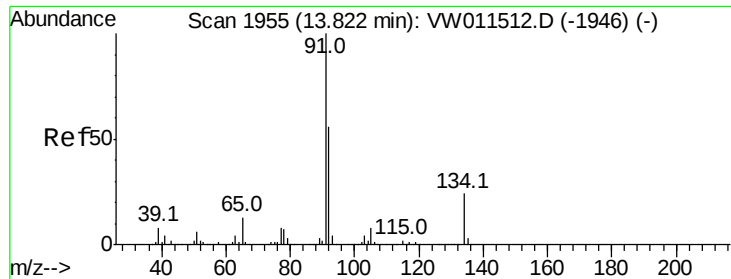
Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.1	60.2
148	66.9	31.9	95.9





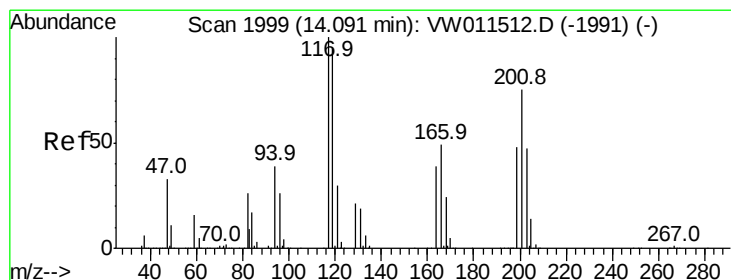
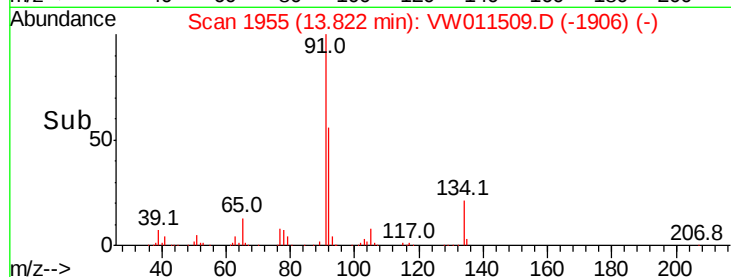
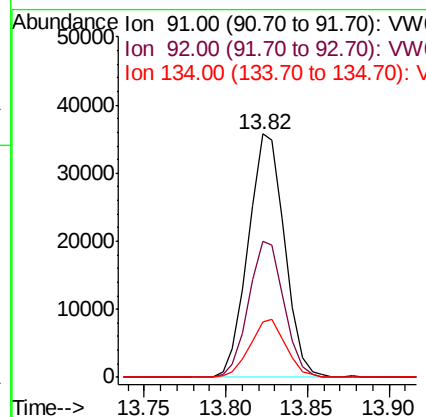
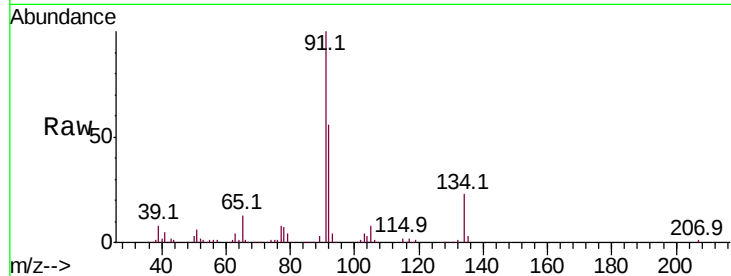
#89
n-Butylbenzene
Concen: 4.765 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	23.4	12.2	36.6

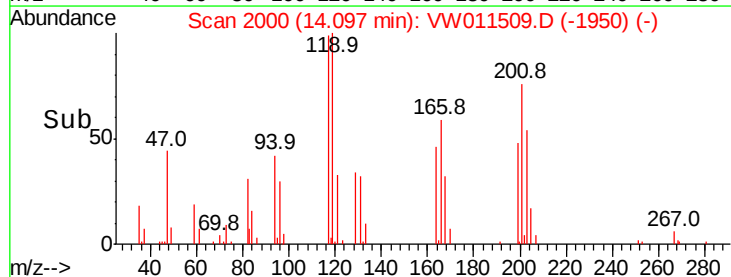
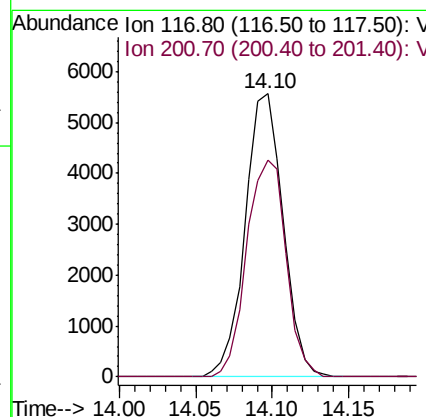
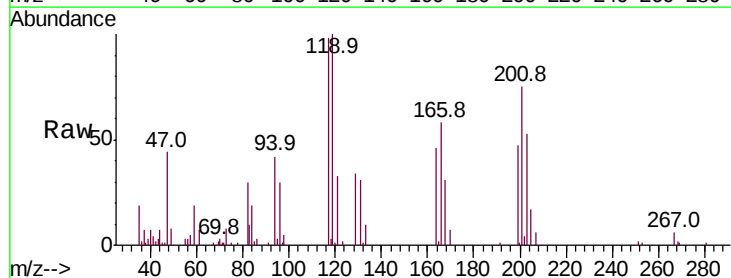
Manual Integrations
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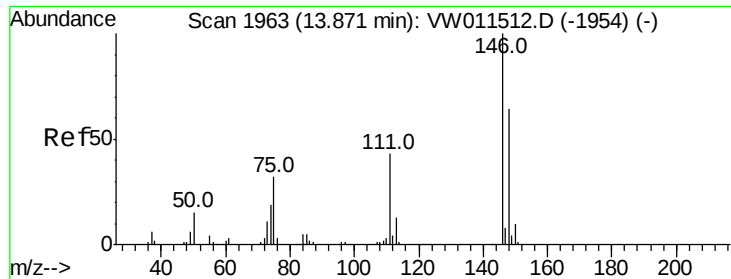
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#90
Hexachloroethane
Concen: 4.664 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.3	39.4	118.2





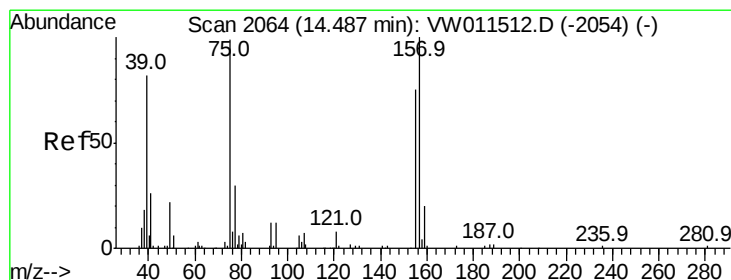
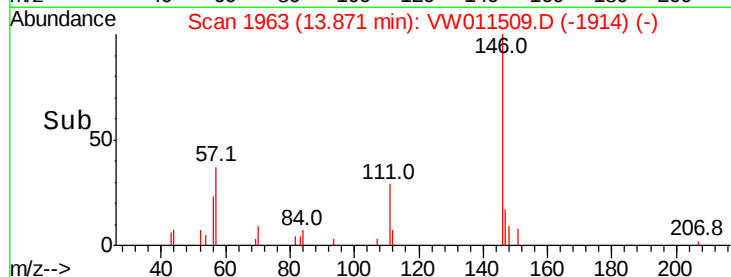
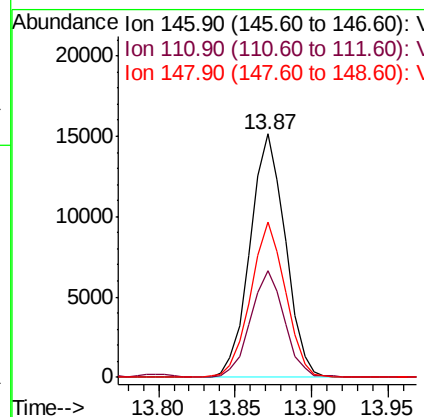
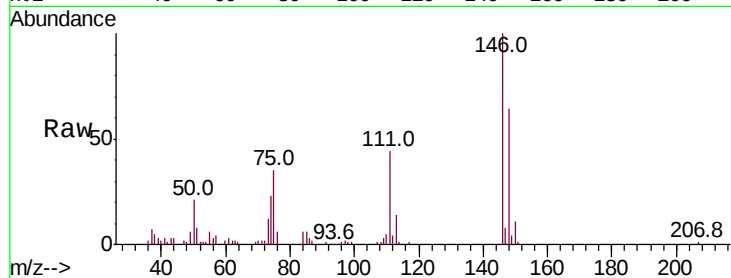
#91
 1,2-Dichlorobenzene
 Concen: 4.920 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	65.0
148	63.4	32.0	96.2

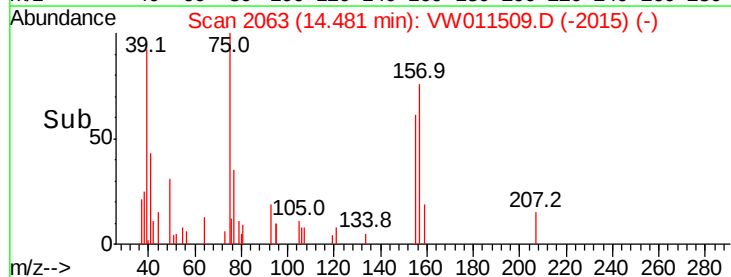
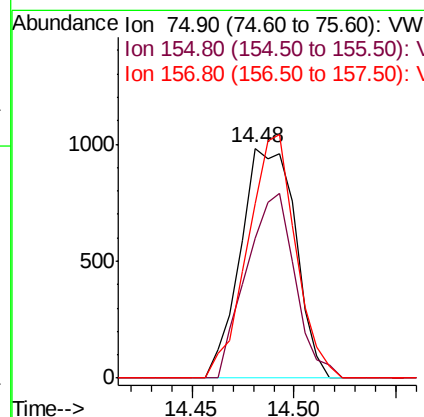
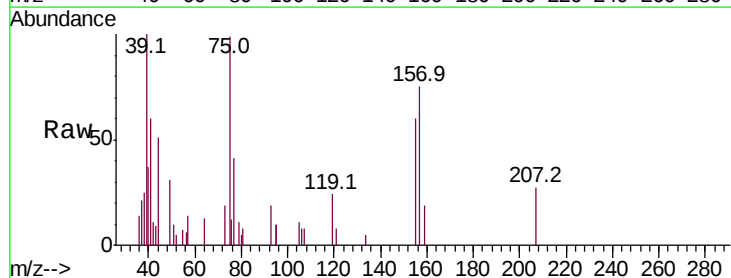
Manual Integrations
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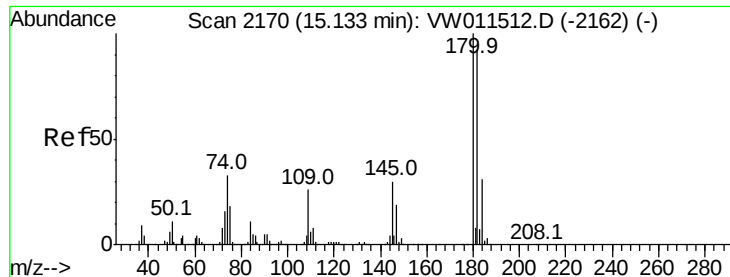
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.435 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	38.2	114.6
157	93.3	48.9	146.7





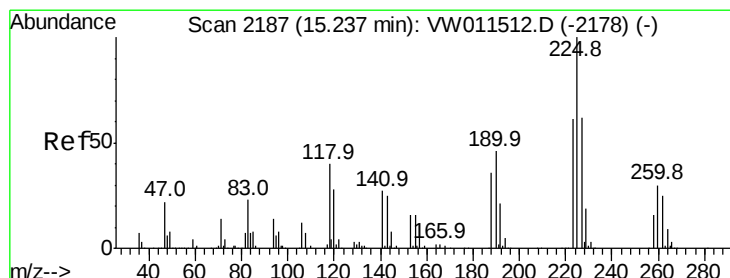
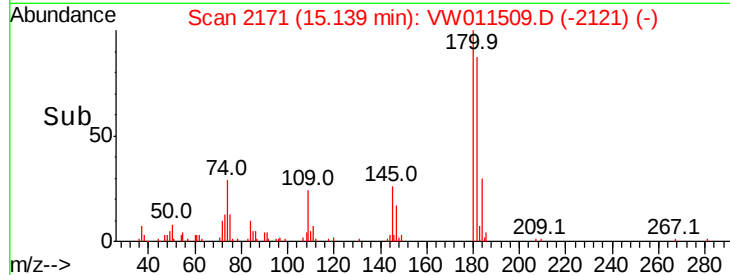
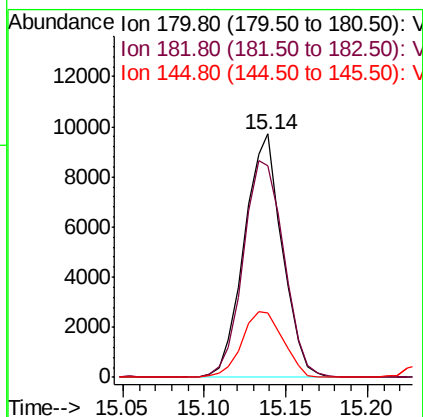
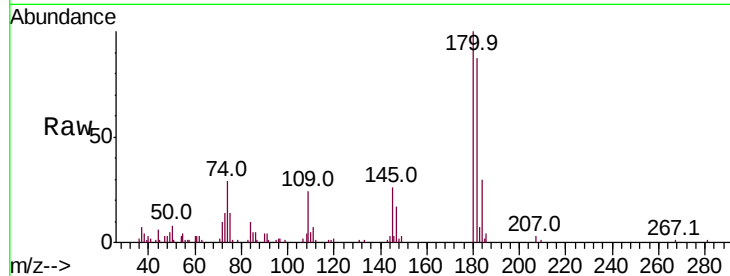
#93
 1,2,4-Trichlorobenzene
 Concen: 4.528 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.4	142.2	
145	29.3	15.4	46.1	

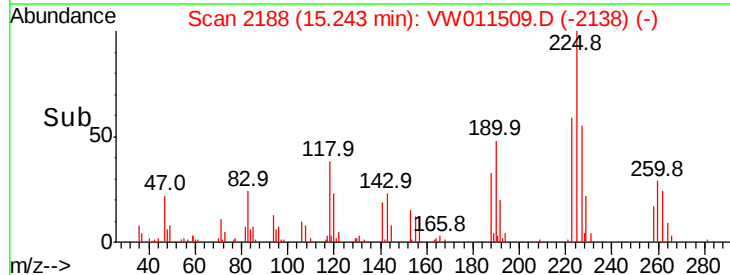
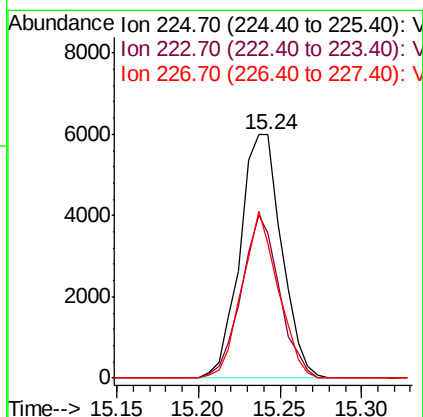
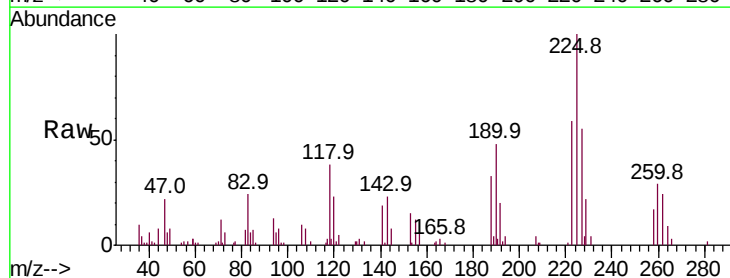
Manual Integrations
 APPROVED

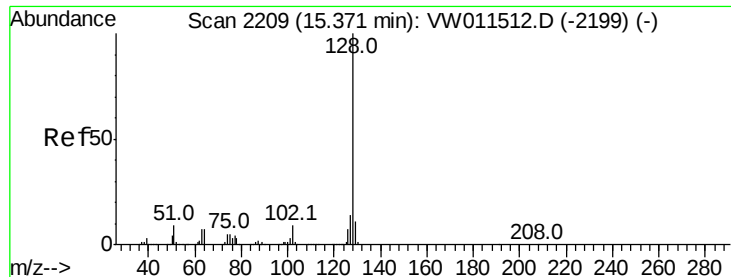
MMDadoda
 7/29/2019 9:17:26 AM



#94
 Hexachlorobutadiene
 Concen: 4.909 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	30.8	92.3	
227	59.6	31.6	94.7	





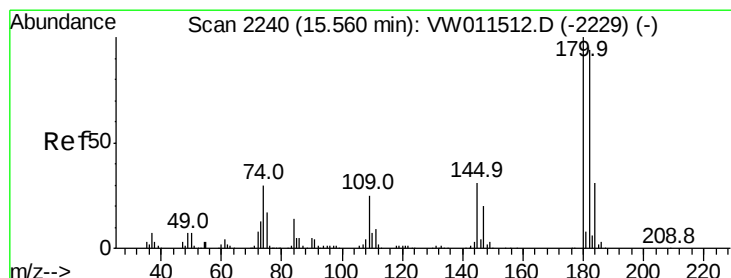
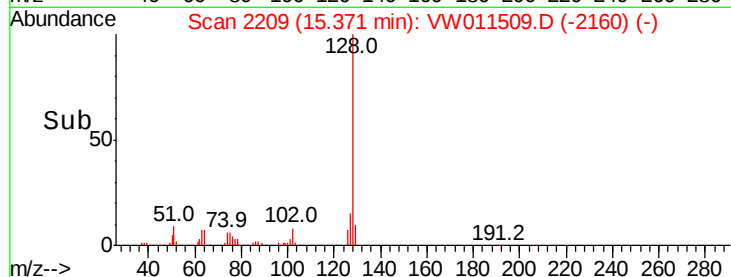
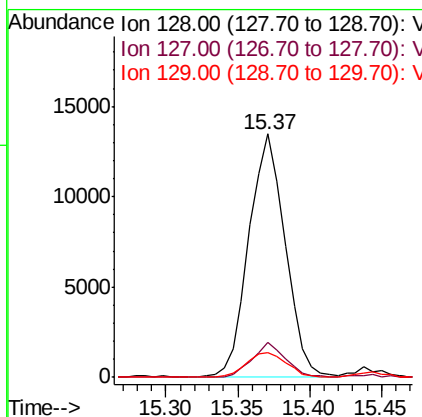
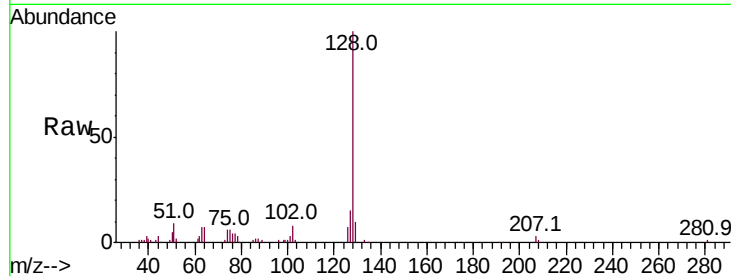
#95
Naphthalene
Concen: 3.827 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:17:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.462 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	32.9	15.9	47.7

