

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013083.D
 Acq On : 17 Sep 2019 12:11
 Operator : SY/VA
 Sample : K4851-02MS
 Misc : 5.98G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:27:24 AM

Quant Time: Sep 18 06:29:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	64865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	97184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	84376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	40800	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	29798	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.88	113	25354	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.32	98	103187	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	35740	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5494	19.387	ug/l	96
3) Chloromethane	2.21	50	17794	57.761	ug/l	94
4) Vinyl Chloride	2.36	62	23740	51.133	ug/l	98
5) Bromomethane	2.78	94	13445	47.420	ug/l	92
6) Chloroethane	2.92	64	14655	51.466	ug/l	99
7) Trichlorofluoromethane	3.26	101	33572	103.404	ug/l	100
8) Diethyl Ether	3.68	74	12896	50.869	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	25487	51.758	ug/l	98
10) Methyl Iodide	4.27	142	33230	53.922	ug/l	98
11) Tert butyl alcohol	5.17	59	13313	336.625	ug/l	98
12) 1,1-Dichloroethene	4.04	96	21286	47.542	ug/l	93
13) Acrolein	3.90	56	4709	102.491	ug/l	91
14) Allyl chloride	4.67	41	43621	51.319	ug/l	94
15) Acrylonitrile	5.37	53	38023	293.658	ug/l	98
16) Acetone	4.12	43	47535	375.488	ug/l	100
17) Carbon Disulfide	4.37	76	42925	48.108	ug/l	99
18) Methyl Acetate	4.68	43	23048	67.529	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	65696	74.333	ug/l	98
20) Methylene Chloride	4.92	84	25830	53.759	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	22979	47.919	ug/l	90
22) Diisopropyl ether	6.31	45	95435	54.046	ug/l	99
23) Vinyl Acetate	6.26	43	237822	224.867	ug/l	99
24) 1,1-Dichloroethane	6.21	63	51497	50.581	ug/l	98
25) 2-Butanone	7.17	43	56904	298.722	ug/l	100
26) 2,2-Dichloropropane	7.17	77	44936	71.403	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	28056	48.868	ug/l	99
28) Bromochloromethane	7.52	49	23299	54.371	ug/l	99
29) Tetrahydrofuran	7.53	42	33144	305.366	ug/l	98
30) Chloroform	7.68	83	52163	50.425	ug/l	96
31) Cyclohexane	7.95	56	41722	55.018	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	45154	53.003	ug/l	100
36) 1,1-Dichloropropene	8.09	75	36181	46.590	ug/l	99
37) Ethyl Acetate	7.25	43	21359	51.817	ug/l	99
38) Carbon Tetrachloride	8.07	117	37350	46.932	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39019	45.852	ug/l	98
40) Benzene	8.32	78	106515	49.131	ug/l	97
41) Methacrylonitrile	7.48	41	14858	54.736	ug/l	93
42) 1,2-Dichloroethane	8.40	62	35434	48.757	ug/l	97
43) Isopropyl Acetate	8.43	43	44123	55.750	ug/l	98
44) Trichloroethene	9.09	130	28502	47.997	ug/l	91
45) 1,2-Dichloropropane	9.37	63	29429	51.092	ug/l	98
46) Dibromomethane	9.46	93	13868	50.254	ug/l	99
47) Bromodichloromethane	9.64	83	37312	48.203	ug/l	96
48) Methyl methacrylate	9.43	41	19267	51.872	ug/l	94
49) 1,4-Dioxane	9.45	88	5207	1126.074	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	120278	294.364	ug/l	99
52) Toluene	10.39	92	68815	49.952	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	37967	48.770	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	43410	48.735	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	22102	52.575	ug/l	94
56) Ethyl methacrylate	10.65	69	29700	52.486	ug/l	95
57) 1,3-Dichloropropane	10.93	76	39381	52.808	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	74392	245.078	ug/l	99
59) 2-Hexanone	10.97	43	86695	304.712	ug/l	99
60) Dibromochloromethane	11.13	129	25455	50.083	ug/l	98
61) 1,2-Dibromoethane	11.23	107	20571	53.641	ug/l	100
64) Tetrachloroethene	10.86	164	33898	67.532	ug/l	99
65) Chlorobenzene	11.66	112	72217	48.051	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	27286	47.376	ug/l	97
67) Ethyl Benzene	11.73	91	134126	48.321	ug/l	99
68) m/p-Xylenes	11.84	106	98105	96.749	ug/l	100
69) o-Xylene	12.16	106	47146	49.593	ug/l	100
70) Styrene	12.18	104	80091	47.360	ug/l	100
71) Bromoform	12.35	173	14941	49.387	ug/l #	98
73) Isopropylbenzene	12.46	105	137058	50.681	ug/l	99
74) N-amyl acetate	12.27	43	36211	52.052	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	27020	56.886	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	18290m	51.179	ug/l	
77) Bromobenzene	12.74	156	31220	50.112	ug/l	98
78) n-propylbenzene	12.80	91	157240	49.429	ug/l	100
79) 2-Chlorotoluene	12.89	91	92928	50.817	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	112937	49.364	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	7972	50.603	ug/l	97
82) 4-Chlorotoluene	12.99	91	94543	49.000	ug/l	100
83) tert-Butylbenzene	13.21	119	102268	49.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	113179	50.062	ug/l	99
85) sec-Butylbenzene	13.38	105	138992	49.851	ug/l	99
86) p-Isopropyltoluene	13.50	119	121325	47.396	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	58465	47.405	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	56311	46.462	ug/l	99
89) n-Butylbenzene	13.82	91	109635	45.414	ug/l	99
90) Hexachloroethane	14.09	117	21138	46.079	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	53985	49.775	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4039	46.456	ug/l	95

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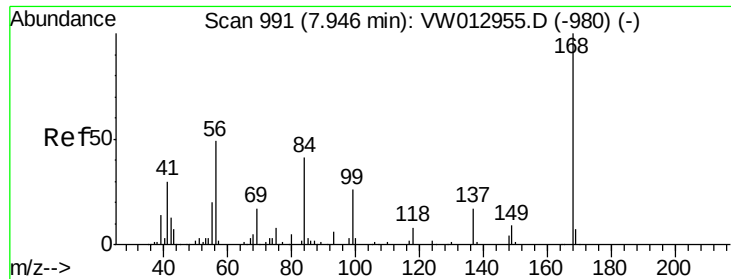
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	25437	32.886	ug/l	98
94) Hexachlorobutadiene	15.24	225	21094	38.523	ug/l	99
95) Naphthalene	15.36	128	41228	31.901	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	23052	33.714	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion:168 Resp: 64865

Ion Ratio Lower Upper

168 100

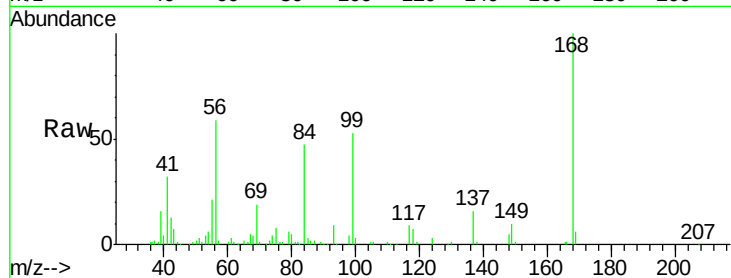
99 53.5 46.2 69.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

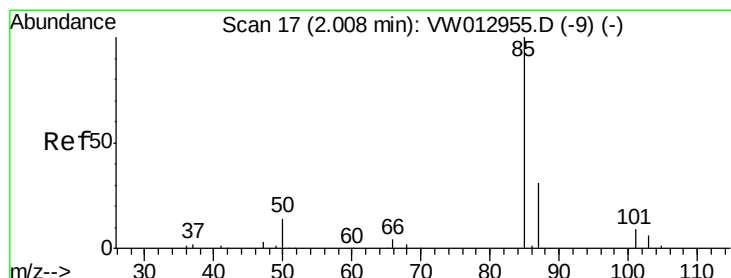
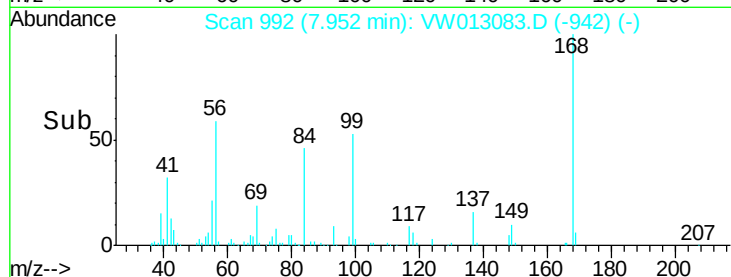
20000

10000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.387 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013083.D

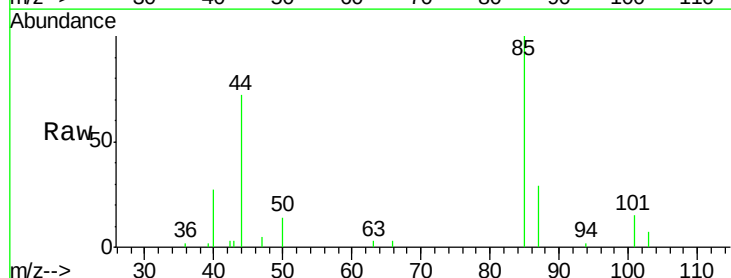
Acq: 17 Sep 2019 12:11

Tgt Ion: 85 Resp: 5494

Ion Ratio Lower Upper

85 100

87 28.7 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

2500

2000

1500

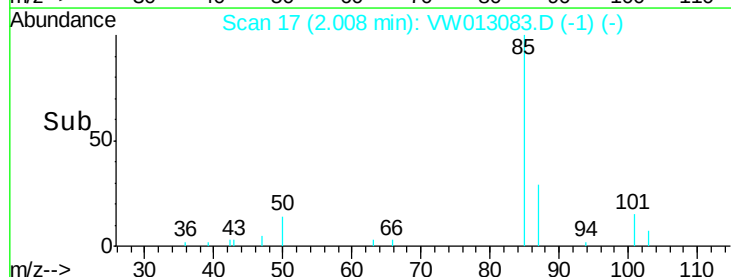
1000

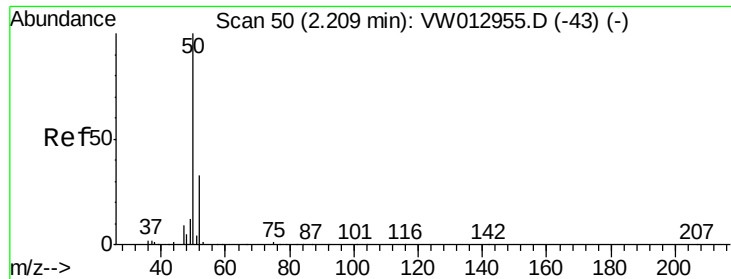
500

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 57.761 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion: 50 Resp: 17794

Ion Ratio Lower Upper

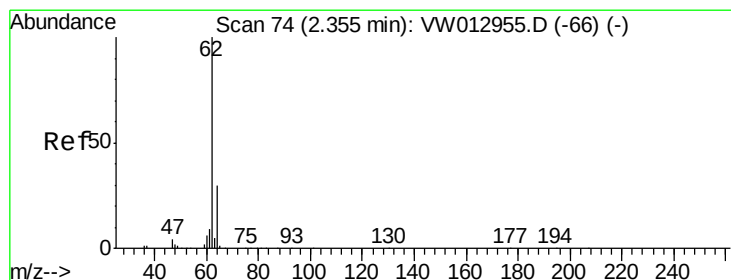
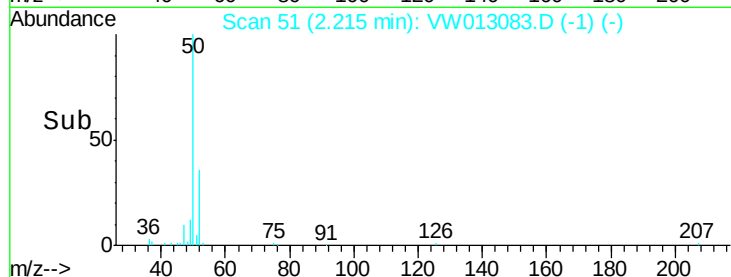
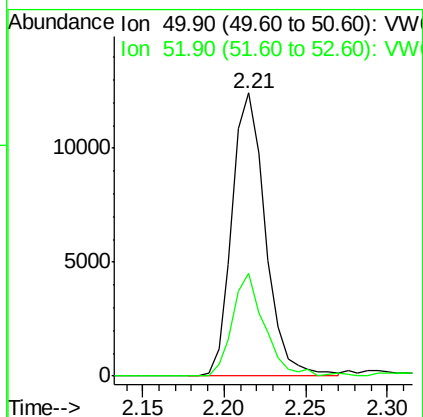
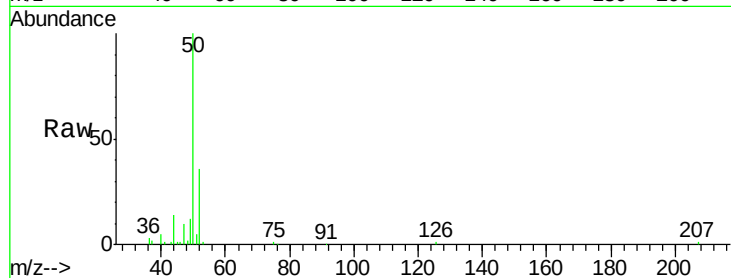
50 100

52 36.4 26.6 39.8

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#4

Vinyl Chloride

Concen: 51.133 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013083.D

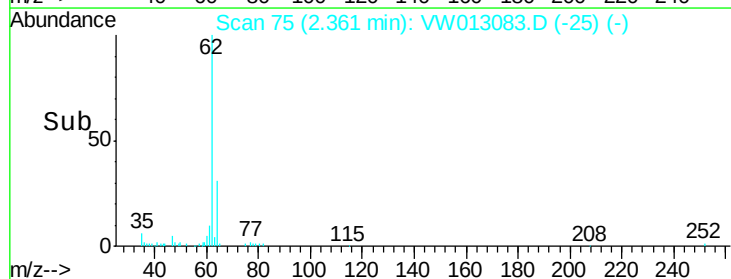
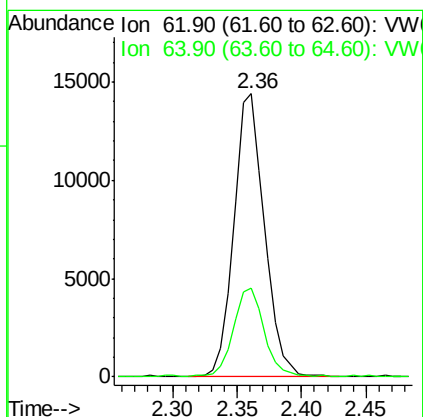
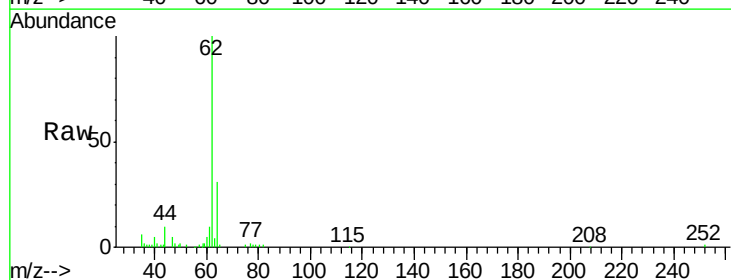
Acq: 17 Sep 2019 12:11

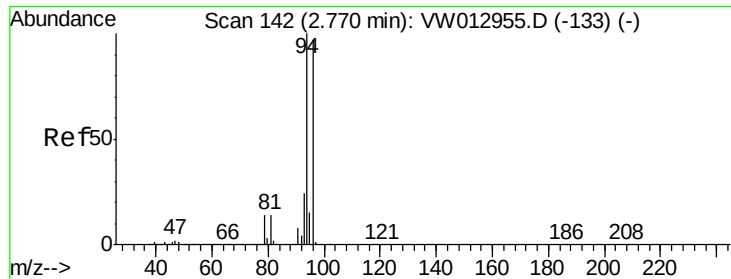
Tgt Ion: 62 Resp: 23740

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 47.420 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

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ClientSampleId :

SB-3C-(9)MS

Tot Ion: 94 Resp: 13445

Ion Ratio Lower Upper

94 100

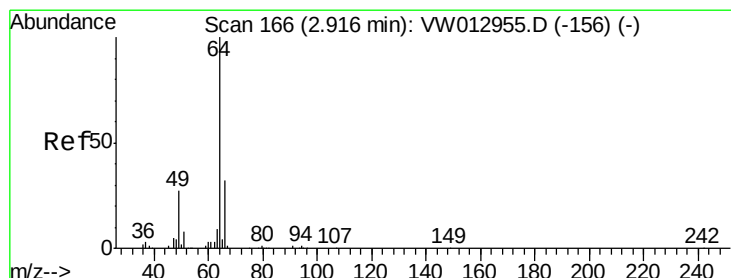
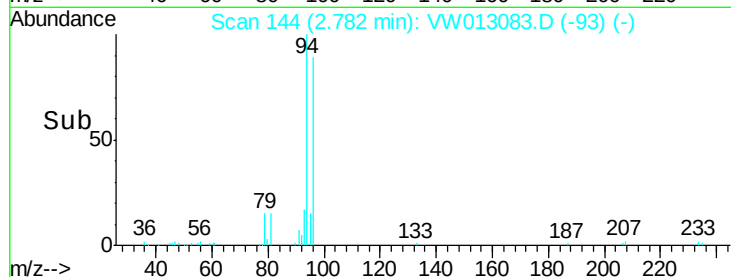
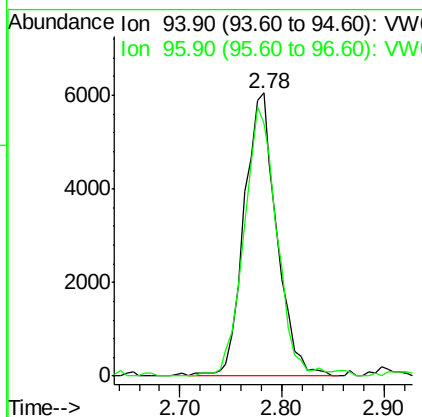
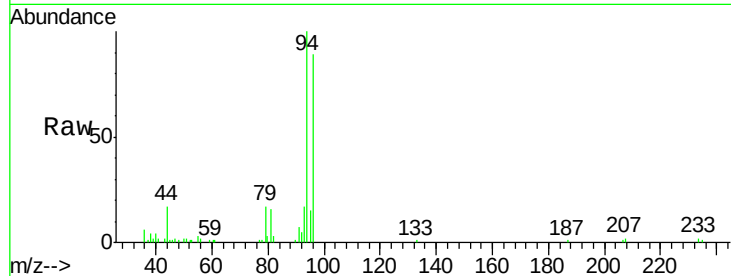
96 89.2 77.8 116.6

Manual Integrations

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9/19/2019 1:27:24 AM



#6

Chloroethane

Concen: 51.466 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013083.D

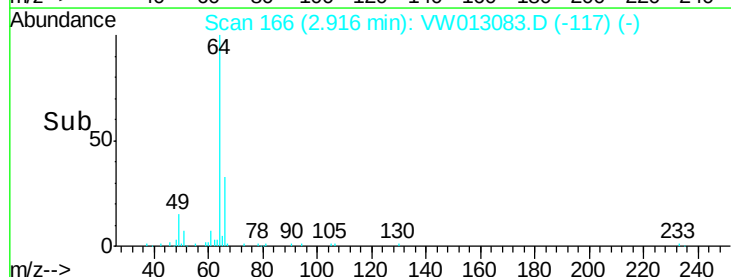
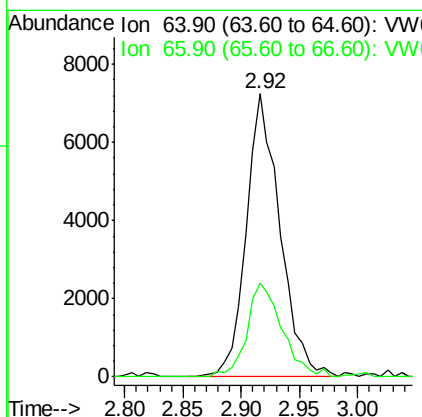
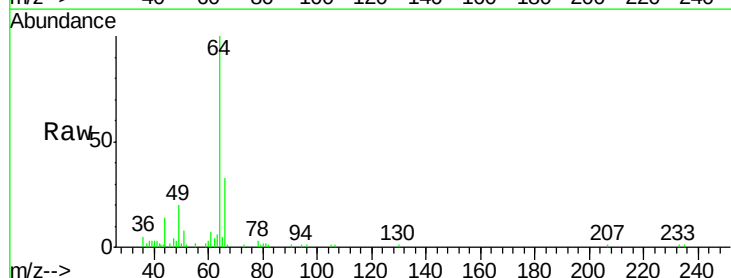
Acq: 17 Sep 2019 12:11

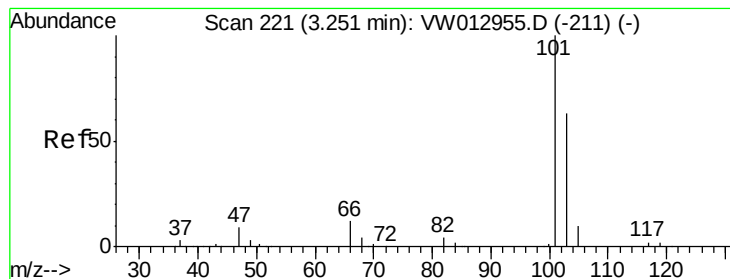
Tgt Ion: 64 Resp: 14655

Ion Ratio Lower Upper

64 100

66 33.1 25.9 38.9





#7

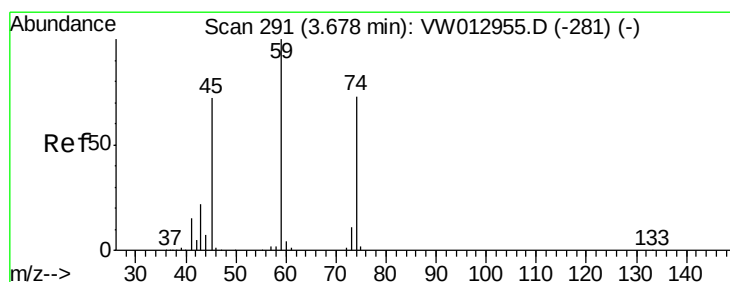
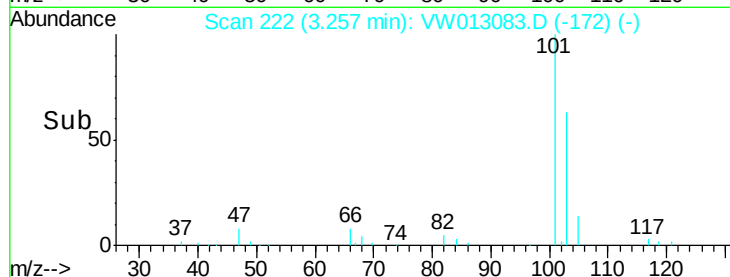
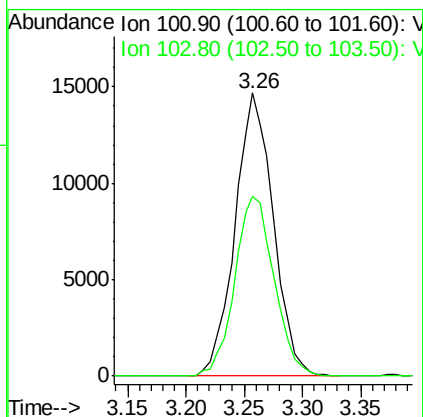
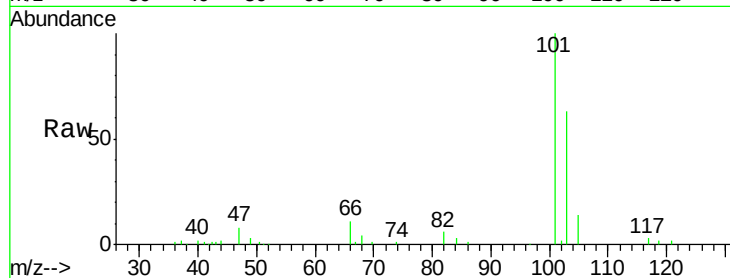
Trichlorofluoromethane
Concen: 103.404 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
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ClientSampleId :
SB-3C-(9)MS

Tot Ion:101 Resp: 33572
Ion Ratio Lower Upper
101 100
103 63.4 50.7 76.1

Manual Integrations
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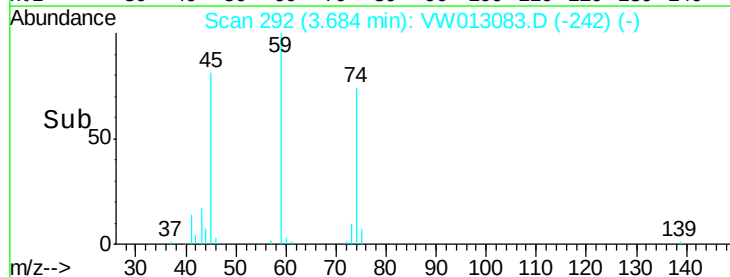
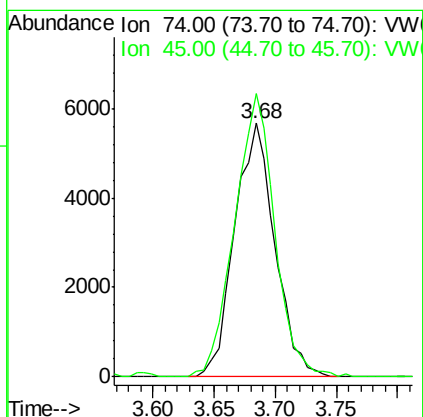
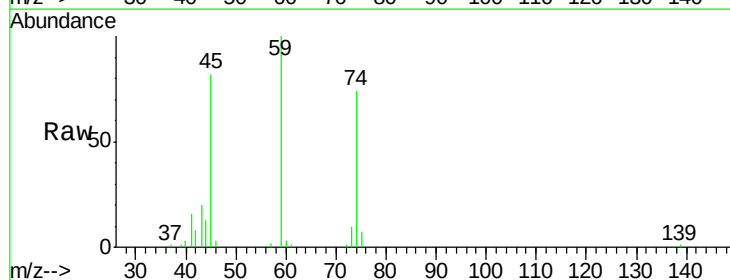
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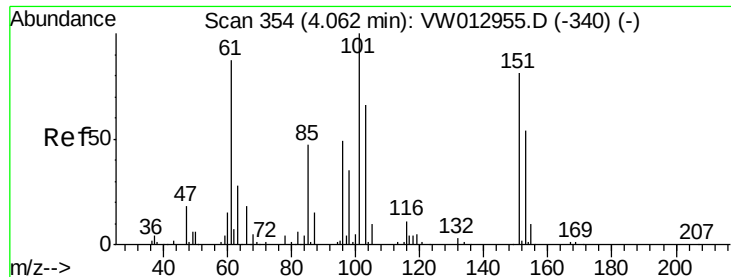


#8

Diethyl Ether
Concen: 50.869 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion: 74 Resp: 12896
Ion Ratio Lower Upper
74 100
45 112.0 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.758 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

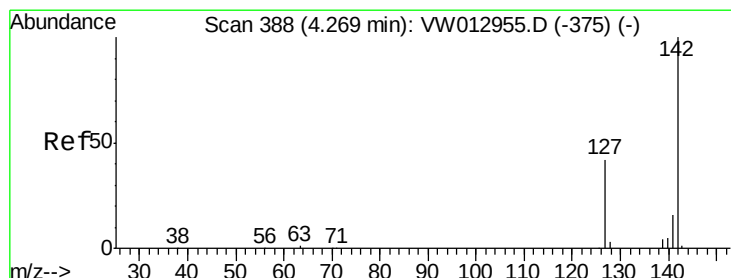
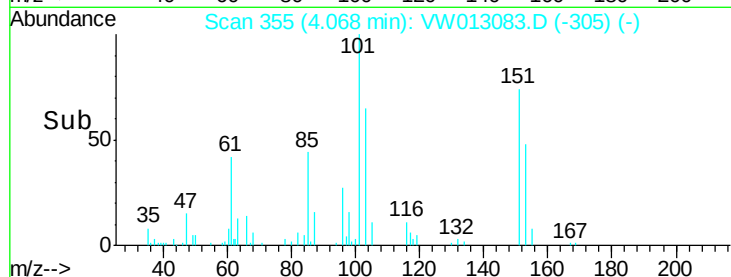
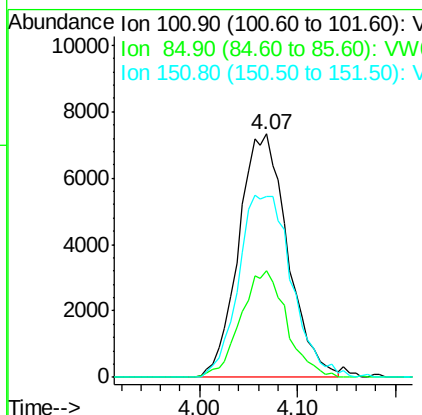
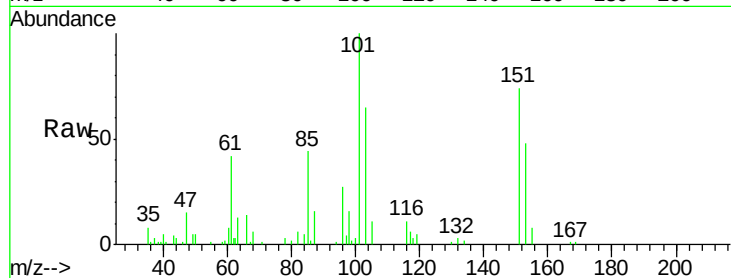
ClientSampleId :

SB-3C-(9)MS

Tot Ion:	101	Resp:	25487
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.9	52.3
151	81.3	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 53.922 ug/l

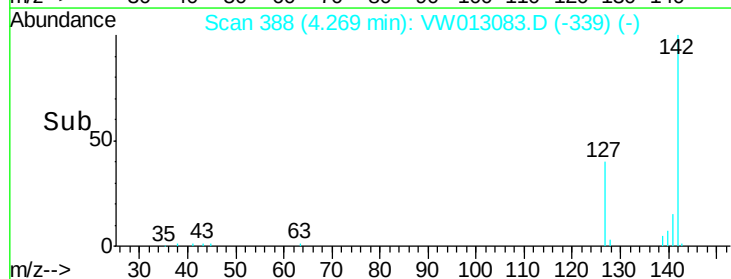
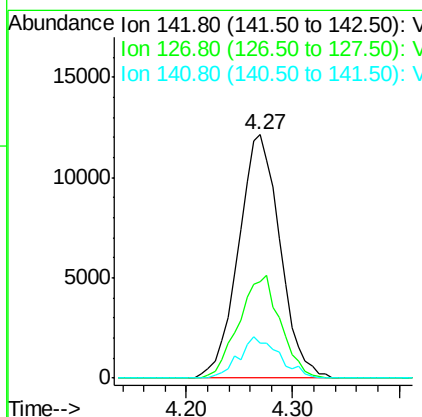
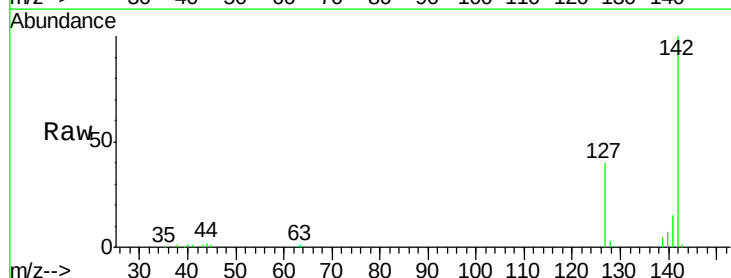
RT: 4.27 min Scan# 388

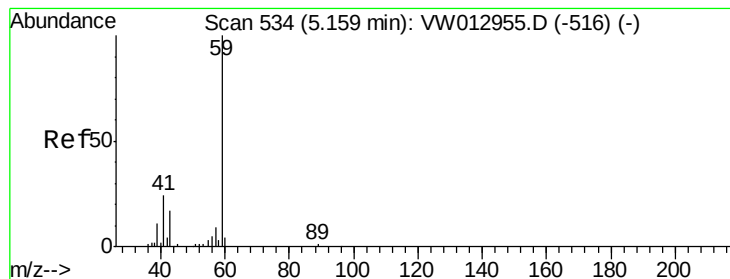
Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion:	142	Resp:	33230
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.7	52.1
141	16.2	12.2	18.2





#11

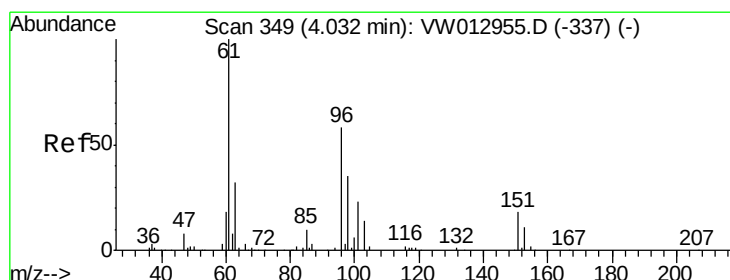
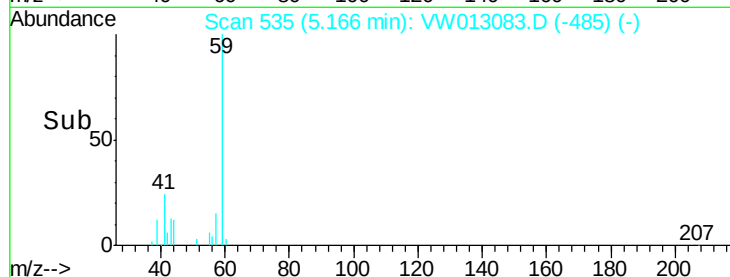
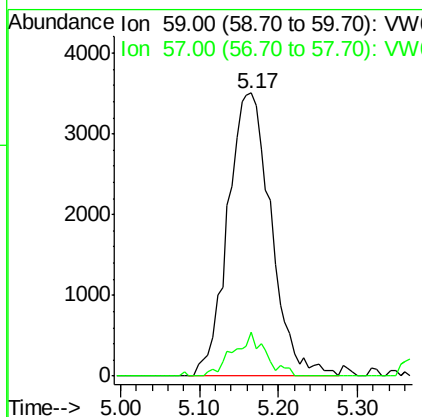
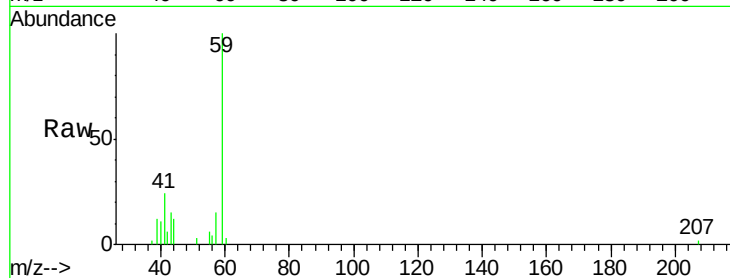
Tert butyl alcohol
 Concen: 336.625 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion	59	Resp	13313
Ion Ratio	100	Lower	Upper
57	11.5	8.5	12.7

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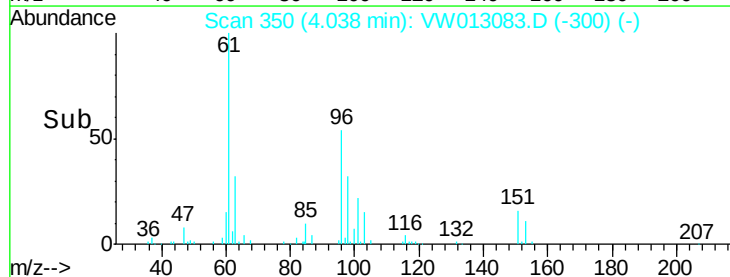
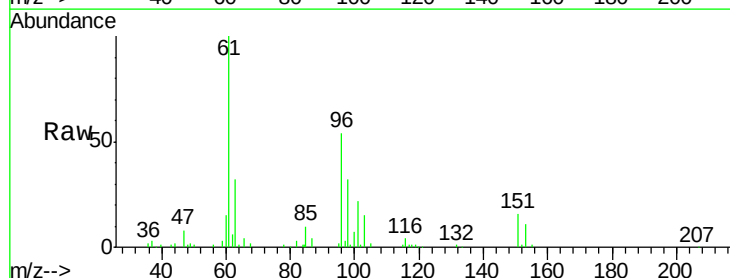
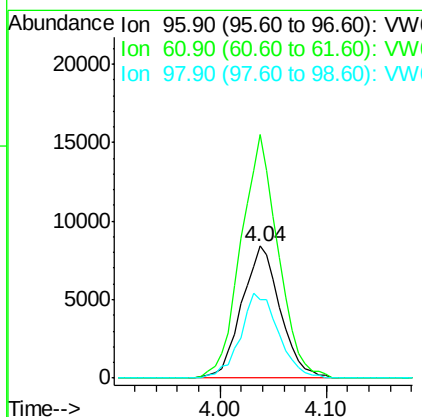
MMDadoda
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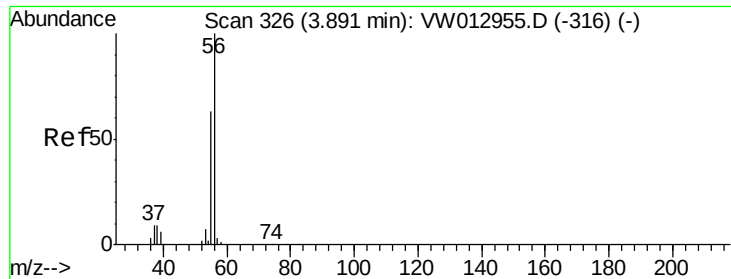


#12

1,1-Dichloroethene
 Concen: 47.542 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion	96	Resp	21286
Ion Ratio	100	Lower	Upper
61	184.9	137.9	206.9
98	60.0	48.9	73.3





#13

Acrolein

Concen: 102.491 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion: 56 Resp: 4709

Ion Ratio Lower Upper

56 100

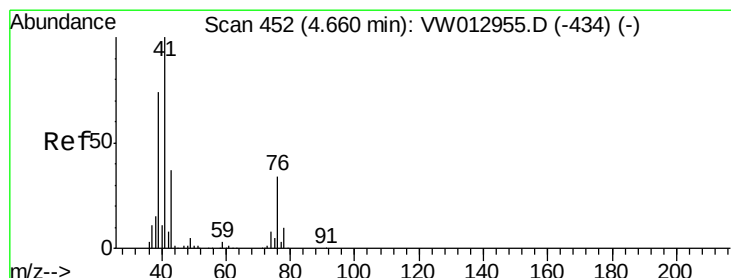
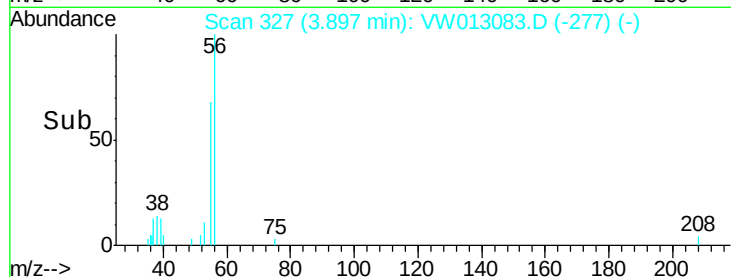
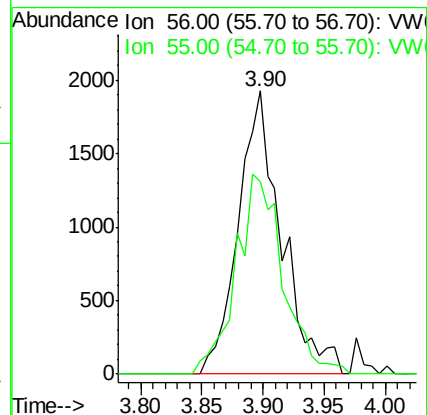
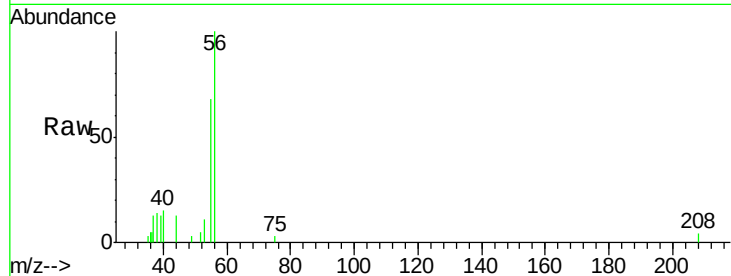
55 76.9 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 51.319 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

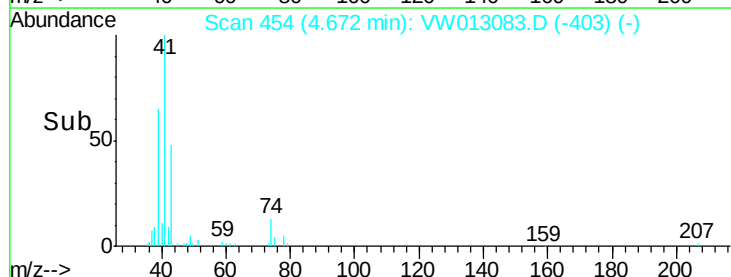
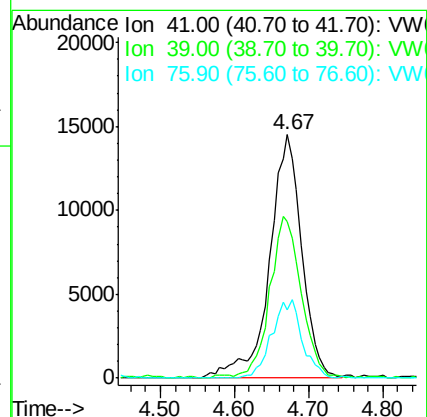
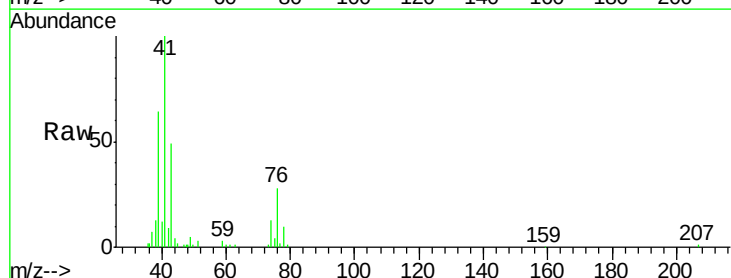
Tgt Ion: 41 Resp: 43621

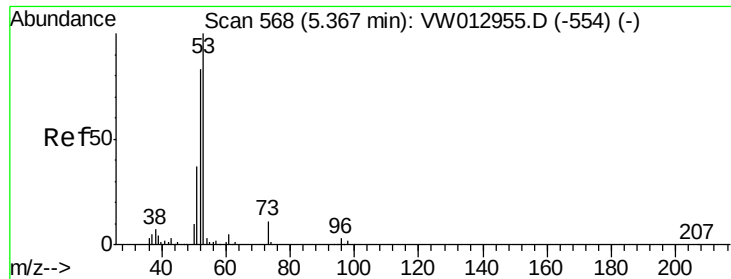
Ion Ratio Lower Upper

41 100

39 64.7 56.7 85.1

76 30.4 25.1 37.7





#15

Acrylonitrile

Concen: 293.658 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

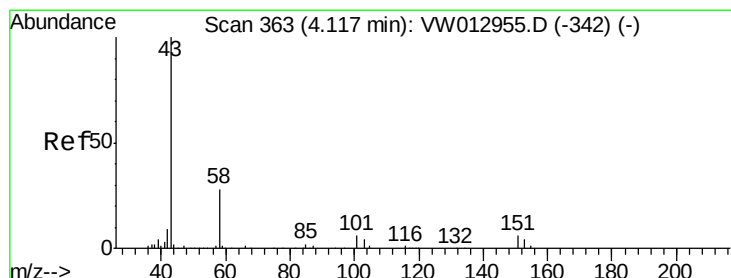
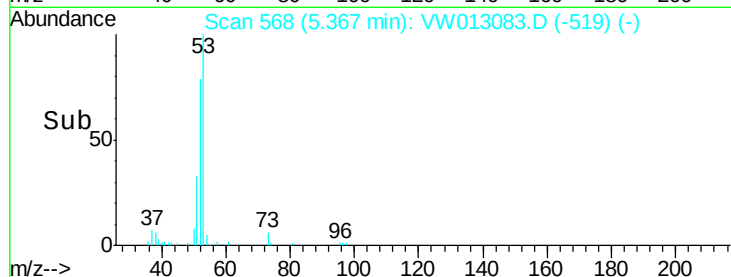
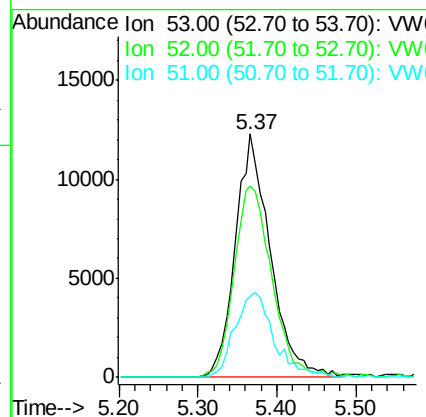
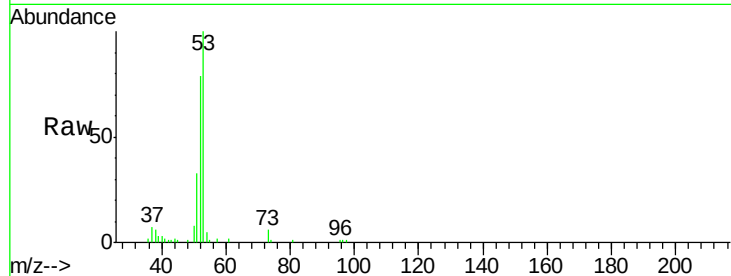
ClientSampleId :

SB-3C-(9)MS

Tot Ion:	53	Resp:	38023
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.6	100.0
51	38.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 375.488 ug/l

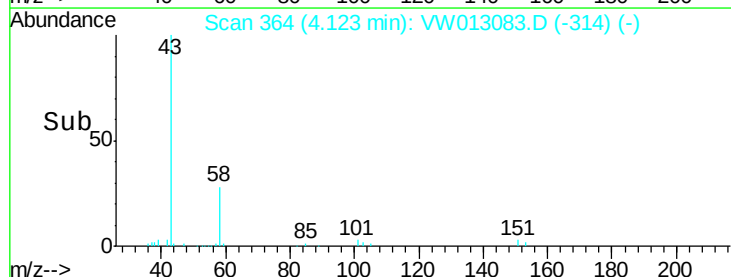
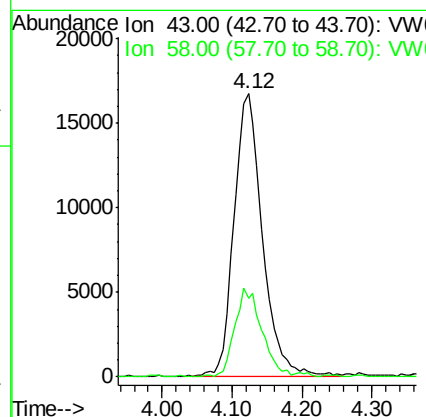
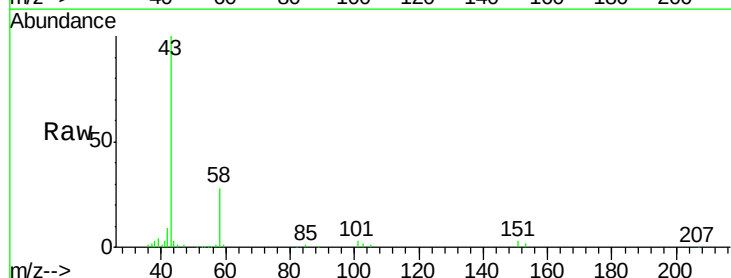
RT: 4.12 min Scan# 364

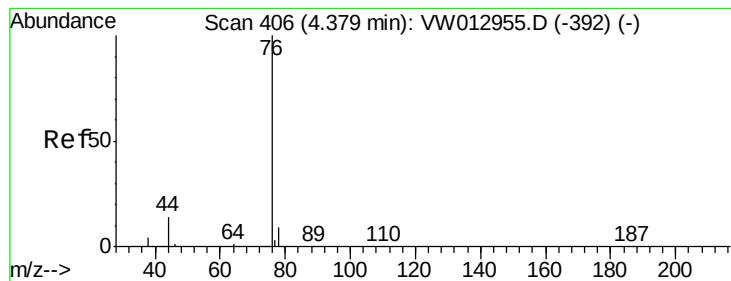
Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion:	43	Resp:	47535
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





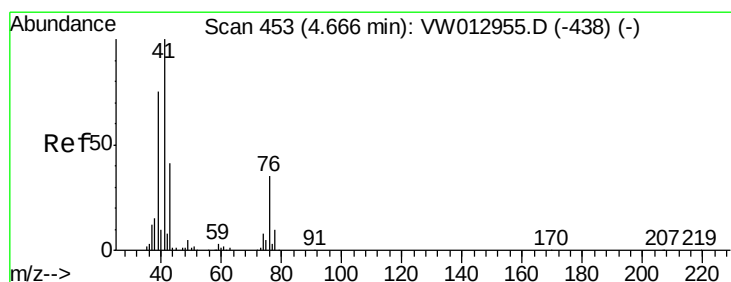
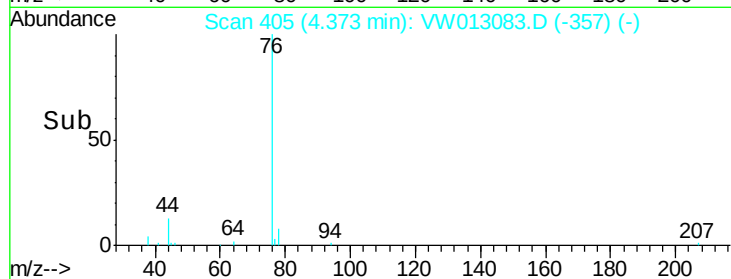
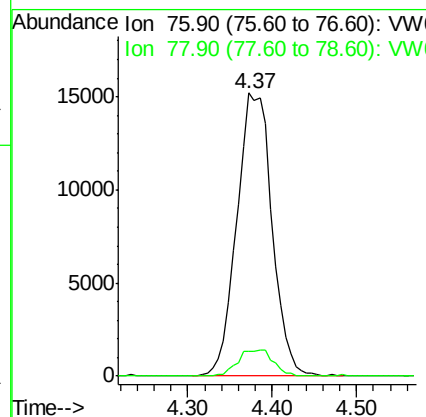
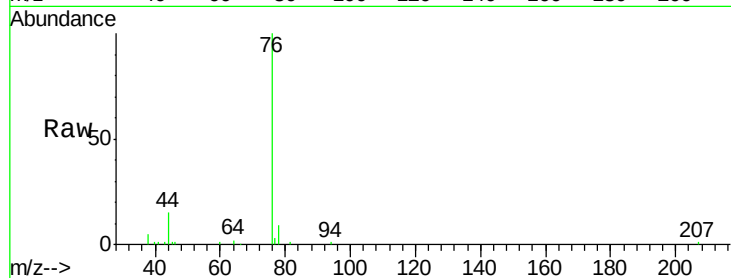
#17
Carbon Disulfide
Concen: 48.108 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

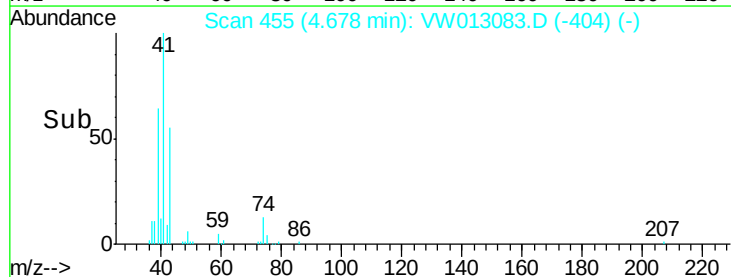
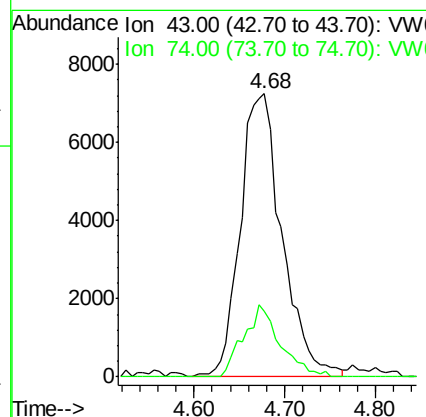
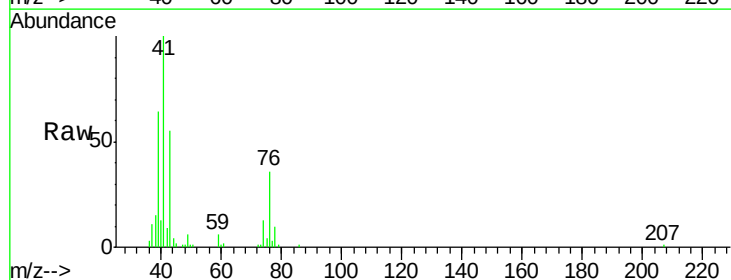
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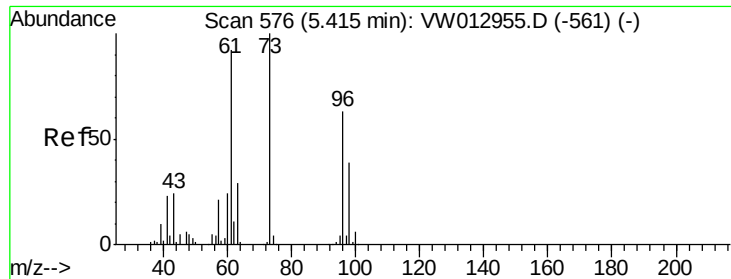
MMDadoda
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#18
Methyl Acetate
Concen: 67.529 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.8	26.8





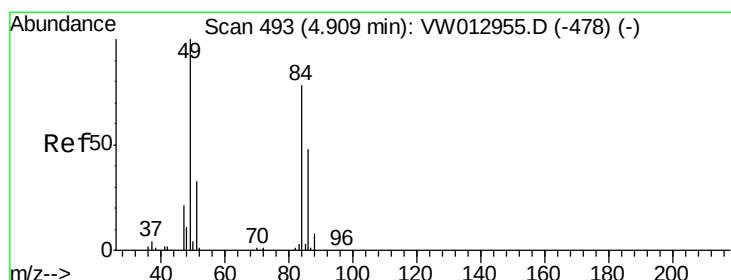
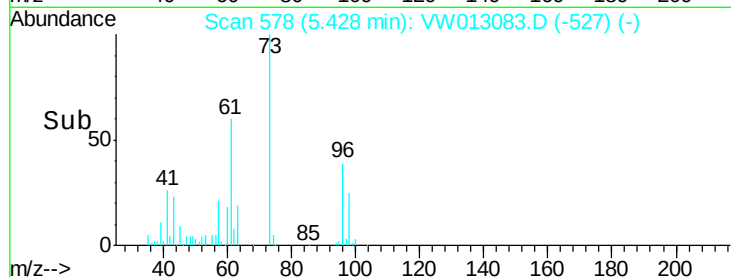
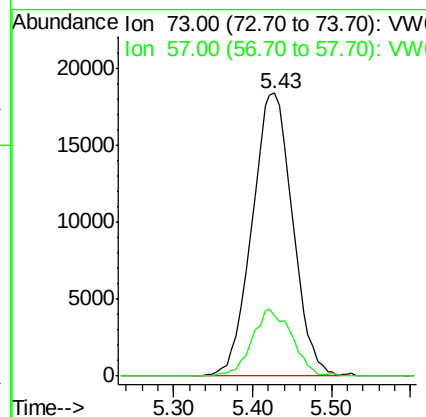
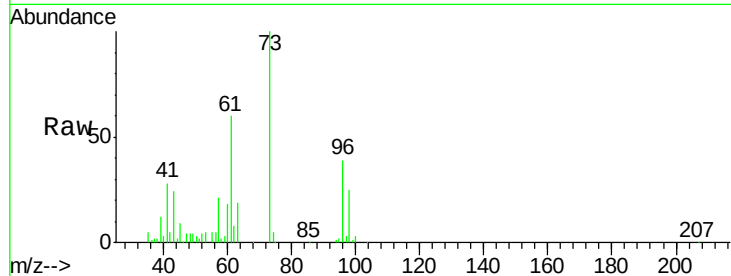
#19
Methyl tert-butyl Ether
Concen: 74.333 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion: 73 Resp: 65696
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6

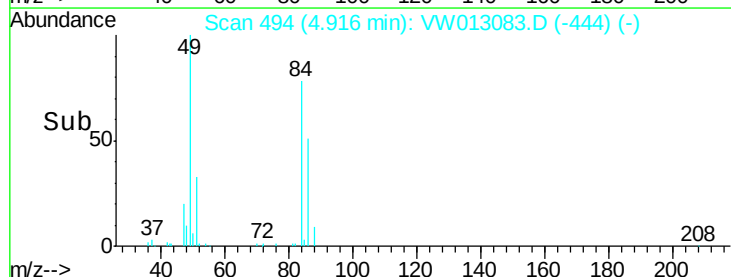
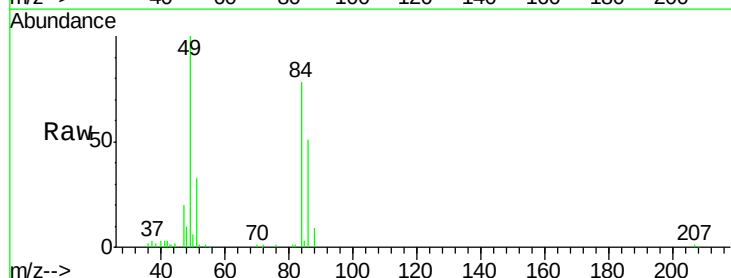
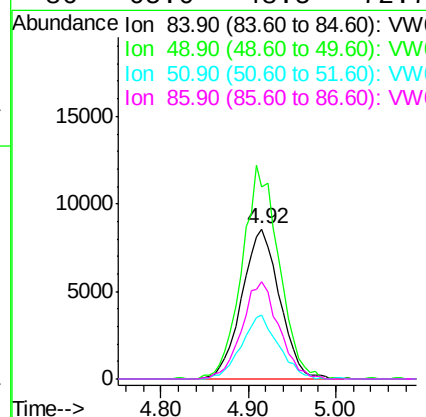
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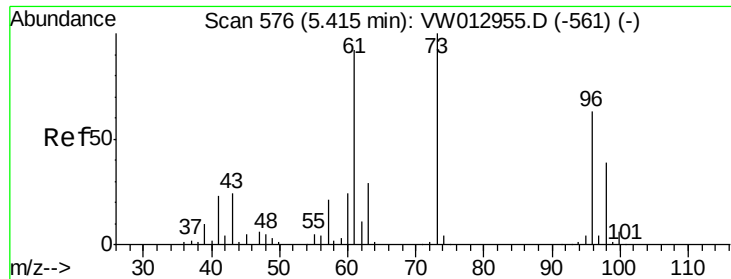
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#20
Methylene Chloride
Concen: 53.759 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion: 84 Resp: 25830
Ion Ratio Lower Upper
84 100
49 127.6 102.0 153.0
51 42.5 34.0 51.0
86 65.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 47.919 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion: 96 Resp: 22979

Ion Ratio Lower Upper

96 100

61 129.6 116.2 174.2

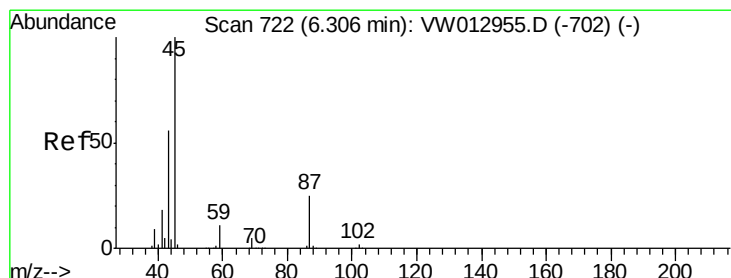
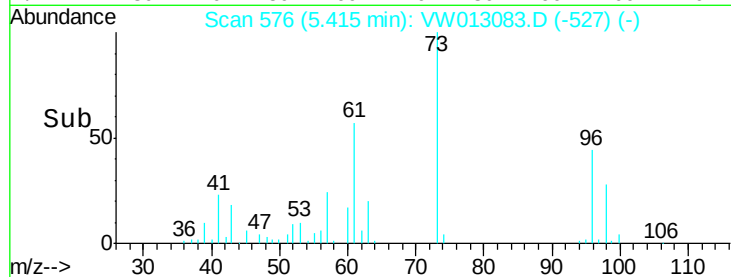
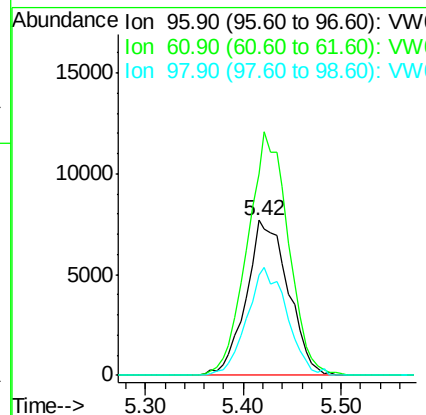
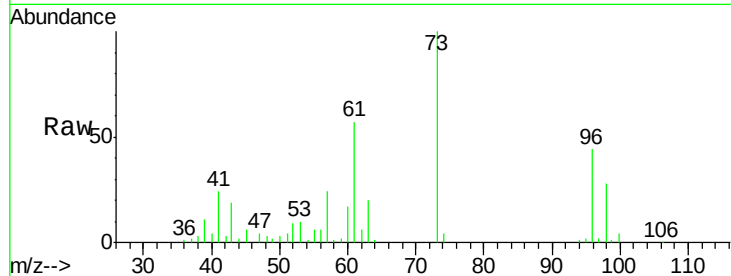
98 64.4 49.8 74.6

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#22

Diisopropyl ether

Concen: 54.046 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion: 45 Resp: 95435

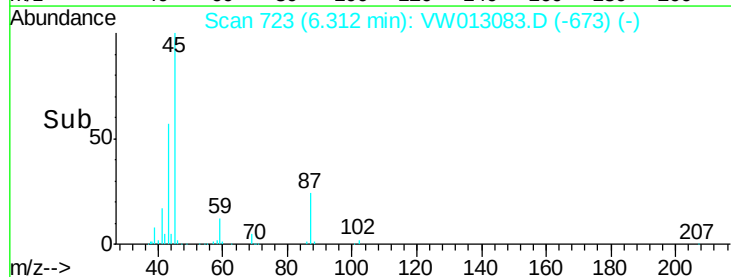
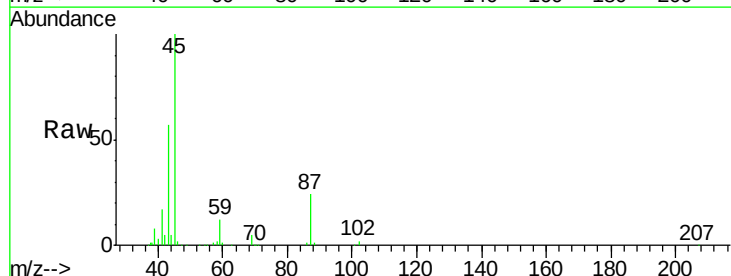
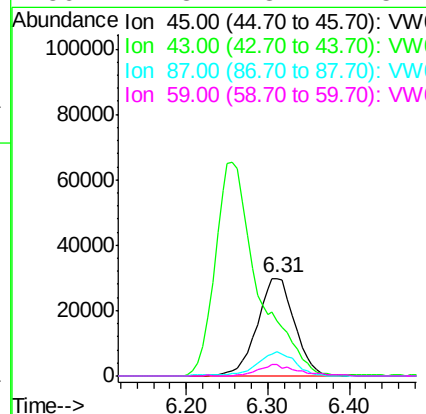
Ion Ratio Lower Upper

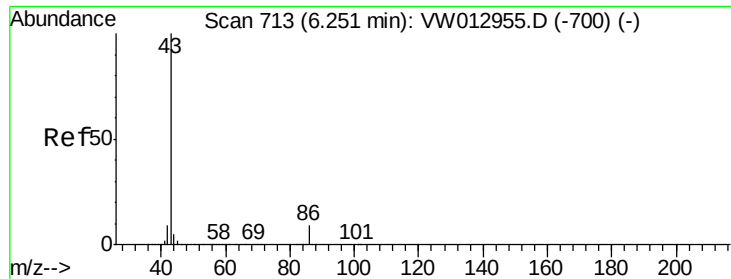
45 100

43 54.8 44.6 67.0

87 24.3 20.0 30.0

59 11.3 8.7 13.1





#23

Vinyl Acetate

Concen: 224.867 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion: 43 Resp: 237822

Ion Ratio Lower Upper

43 100

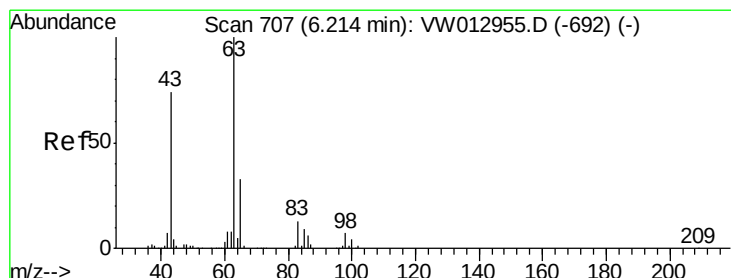
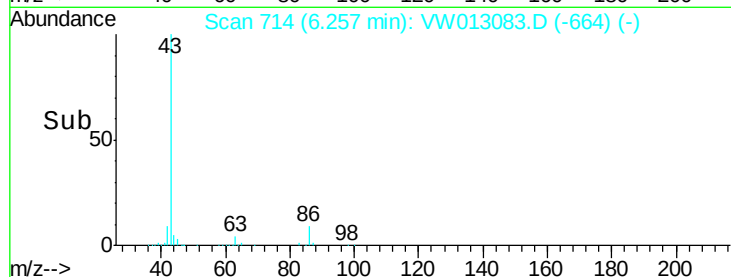
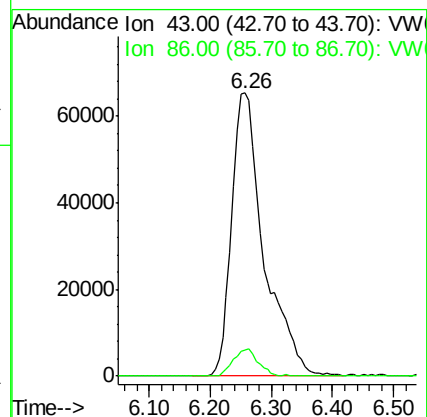
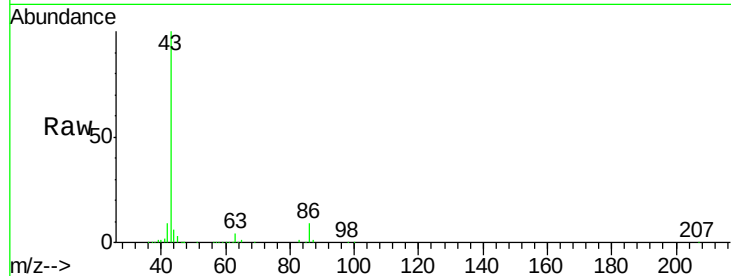
86 9.2 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 50.581 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

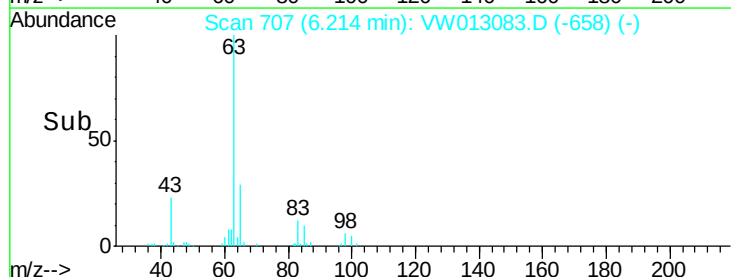
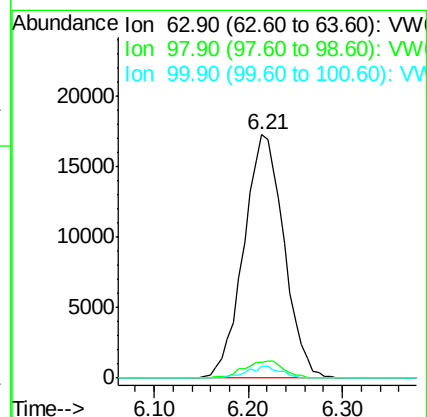
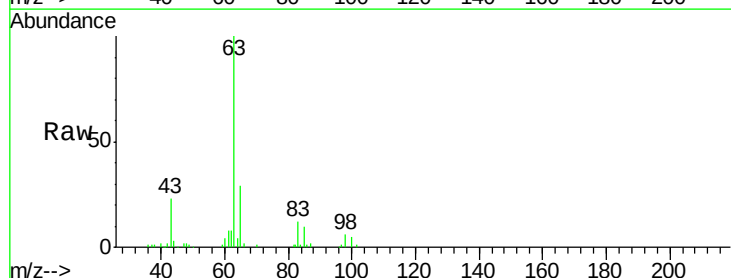
Tgt Ion: 63 Resp: 51497

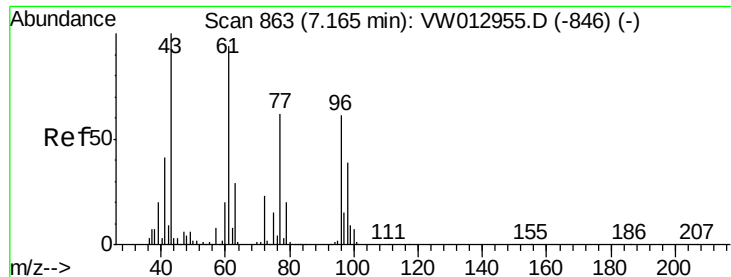
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.7 1.8 5.5





#25

2-Butanone

Concen: 298.722 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion: 43 Resp: 56904

Ion Ratio Lower Upper

43 100

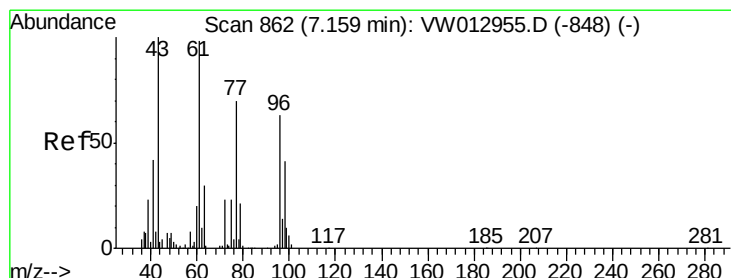
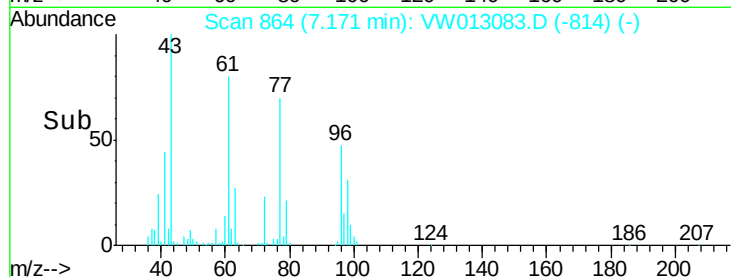
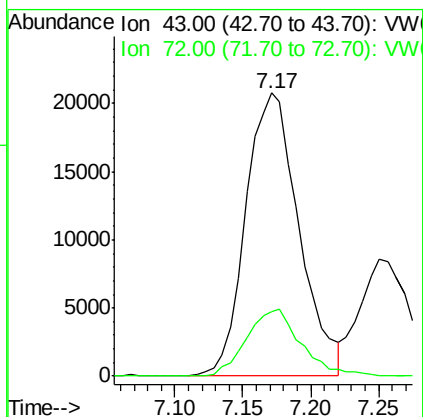
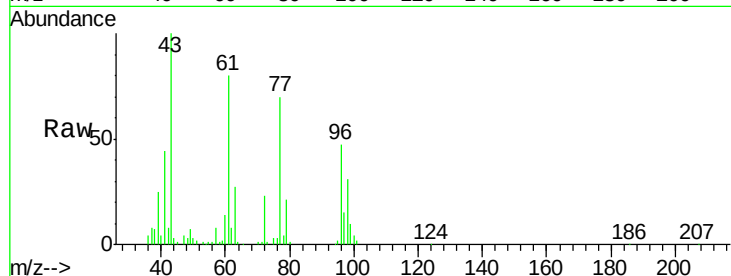
72 22.6 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 71.403 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013083.D

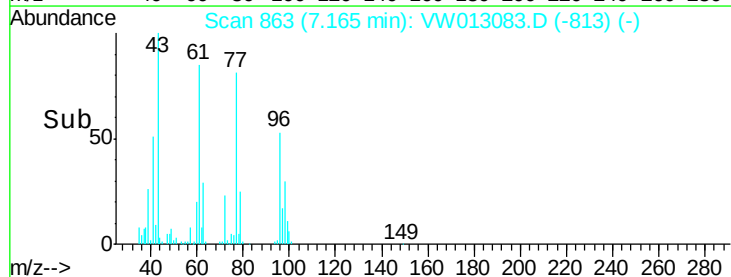
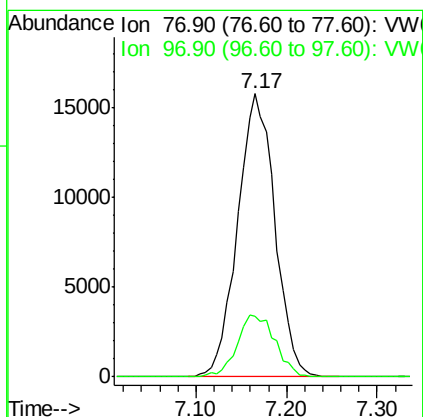
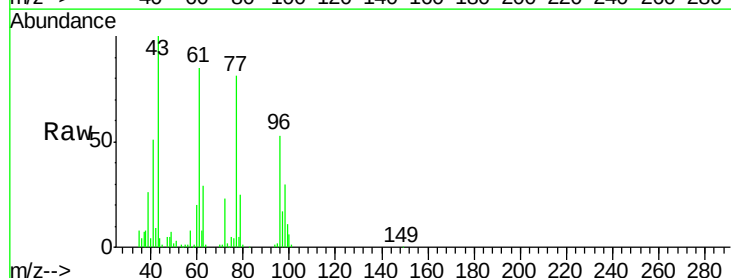
Acq: 17 Sep 2019 12:11

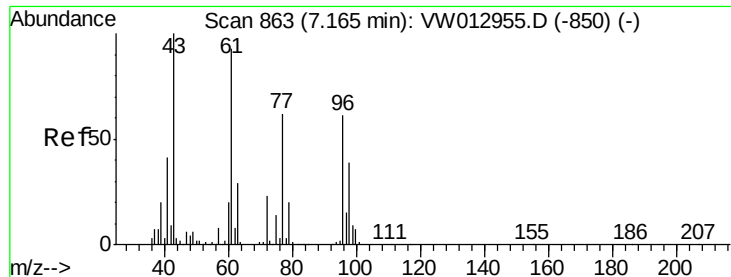
Tgt Ion: 77 Resp: 44936

Ion Ratio Lower Upper

77 100

97 22.4 10.7 32.1





#27

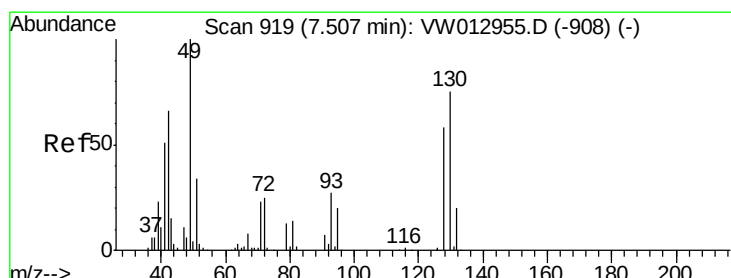
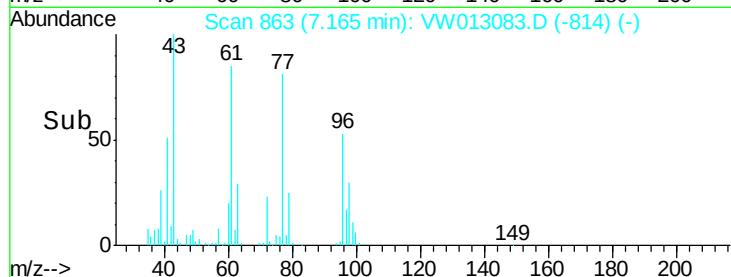
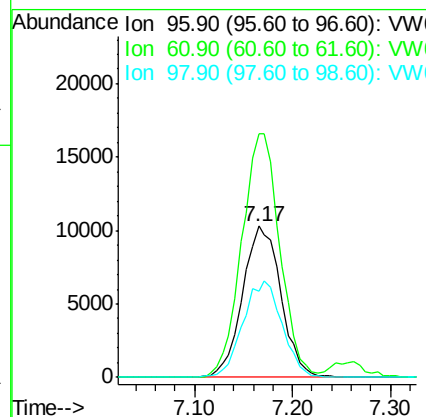
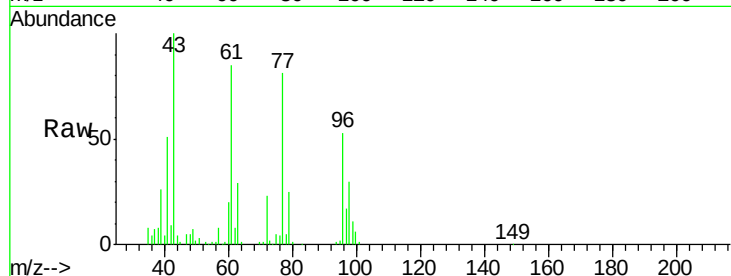
cis-1,2-Dichloroethene
Concen: 48.868 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.8	0.0	315.4	
98	64.9	0.0	131.0	

Manual Integrations
APPROVED

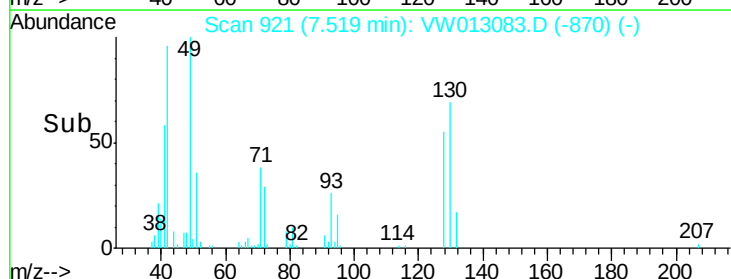
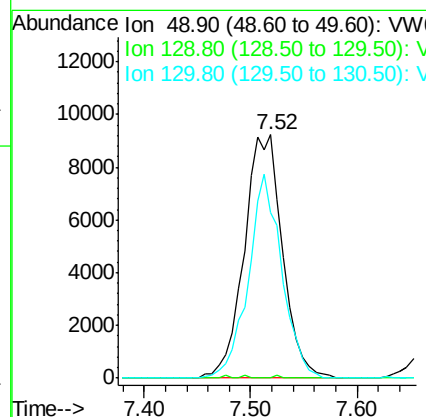
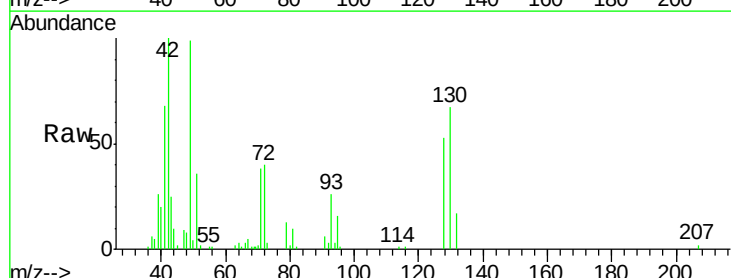
MMDadoda
9/19/2019 1:27:24 AM

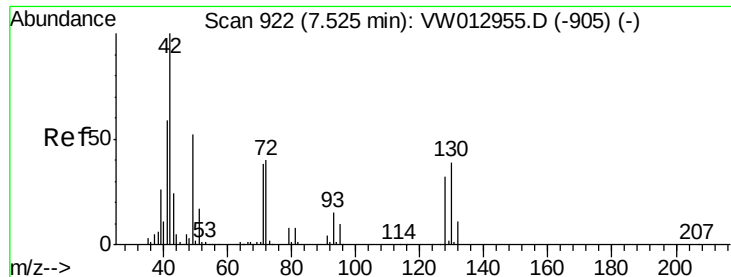


#28

Bromochloromethane
Concen: 54.371 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.2	0.0	1.4	
130	73.1	57.8	86.6	





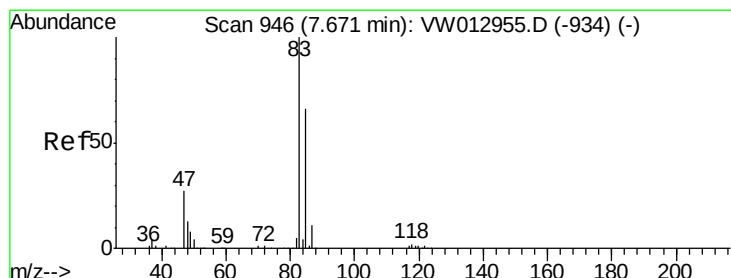
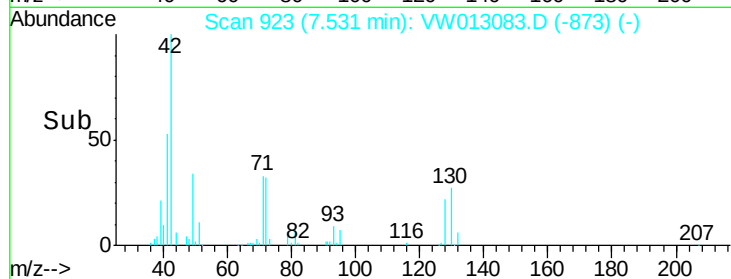
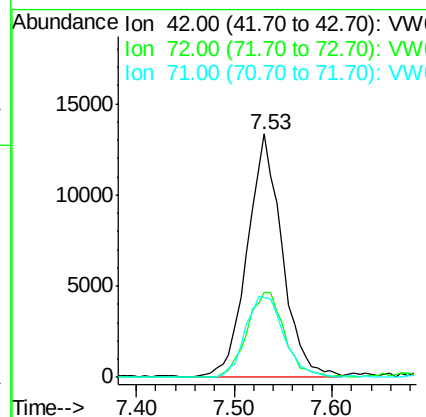
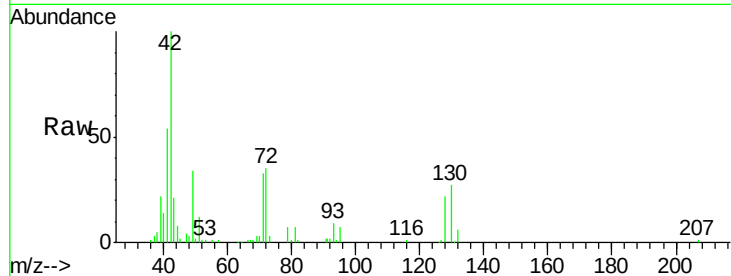
#29
Tetrahydrofuran
Concen: 305.366 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.4	47.0
71	36.7	29.8	44.8

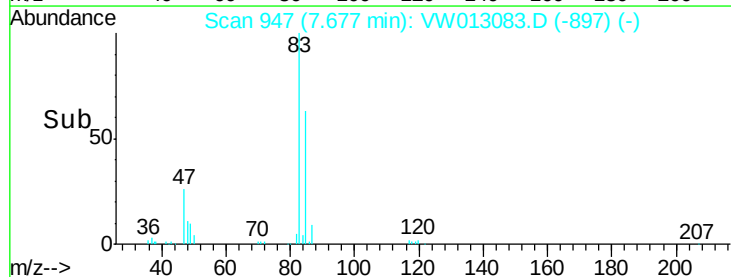
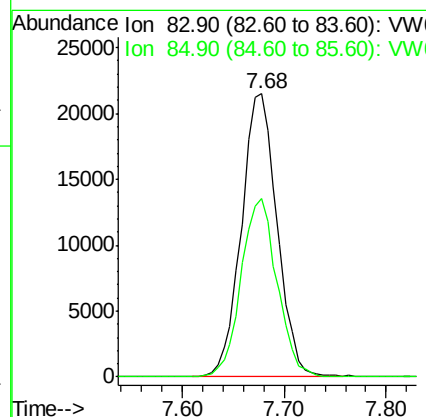
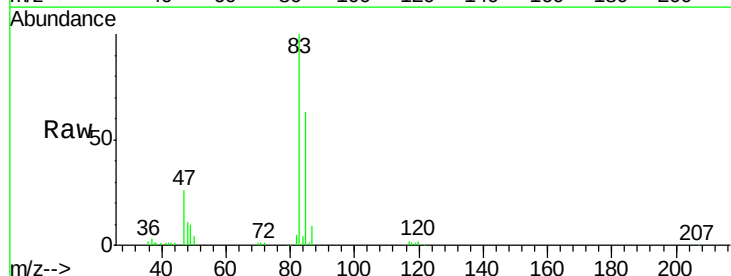
Manual Integrations
APPROVED

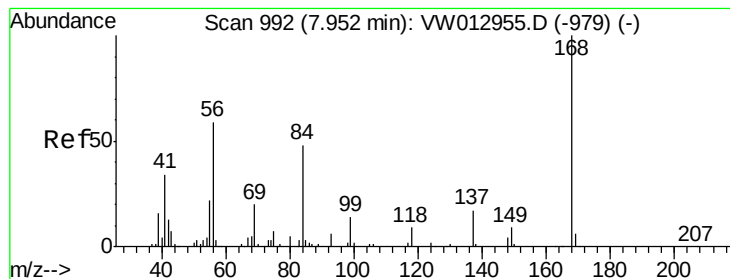
MMDadoda
9/19/2019 1:27:24 AM



#30
Chloroform
Concen: 50.425 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.8	79.2





#31

Cyclohexane

Concen: 55.018 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

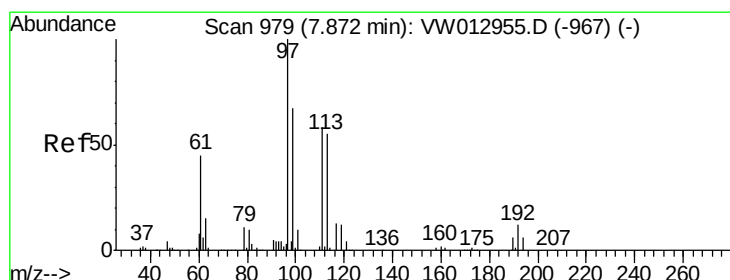
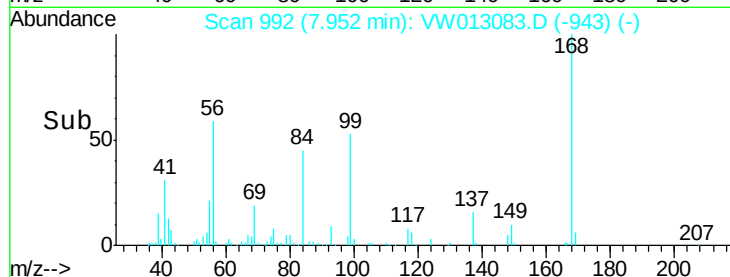
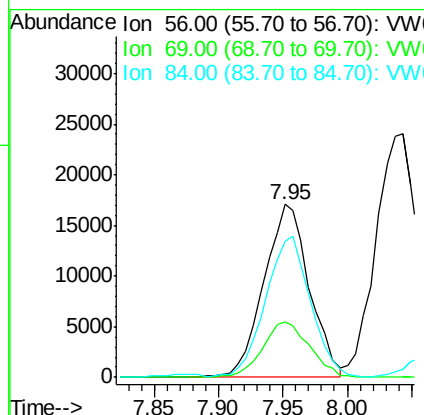
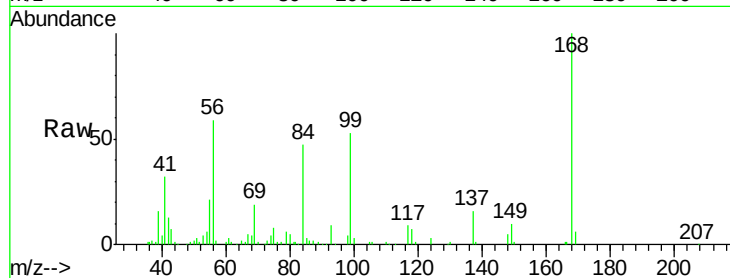
ClientSampleId :

SB-3C-(9)MS

Tot Ion:	56	Resp:	41722
Ion	Ratio	Lower	Upper
56	100		
69	31.9	27.0	40.6
84	77.0	66.2	99.2

Manual Integrations
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9/19/2019 1:27:24 AM



#32

1,1,1-Trichloroethane

Concen: 53.003 ug/l

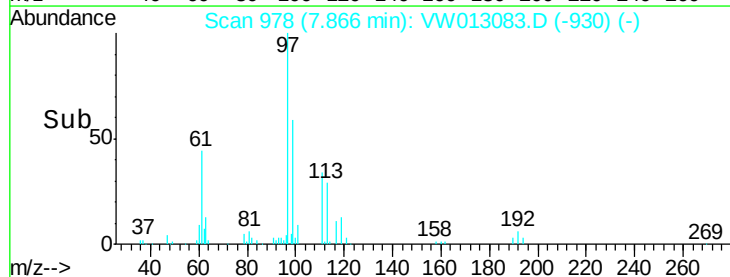
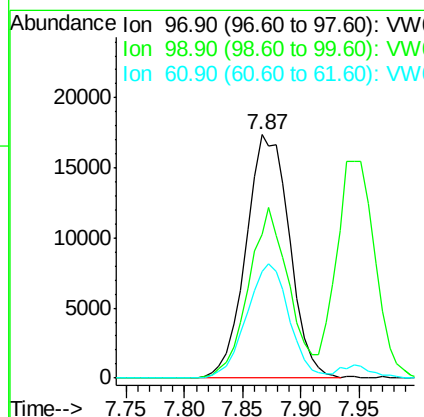
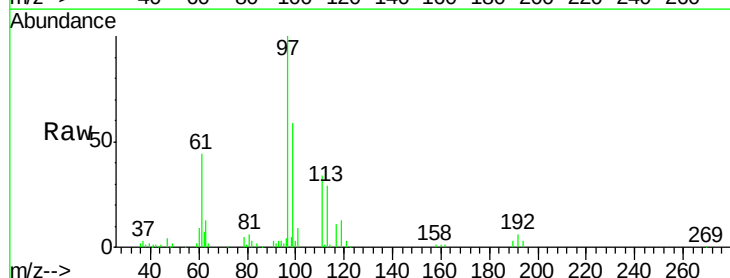
RT: 7.87 min Scan# 978

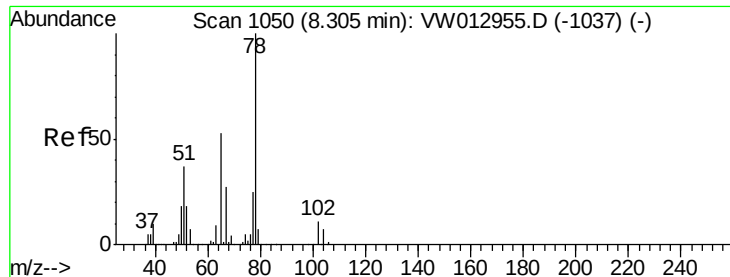
Delta R.T. -0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion:	97	Resp:	45154
Ion	Ratio	Lower	Upper
97	100		
99	65.8	53.0	79.4
61	45.8	36.5	54.7





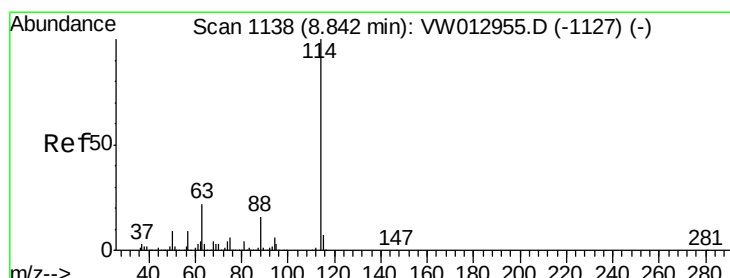
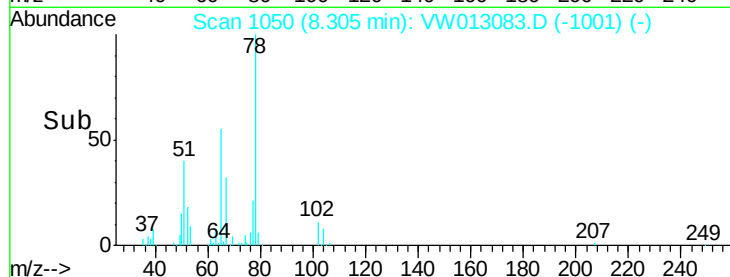
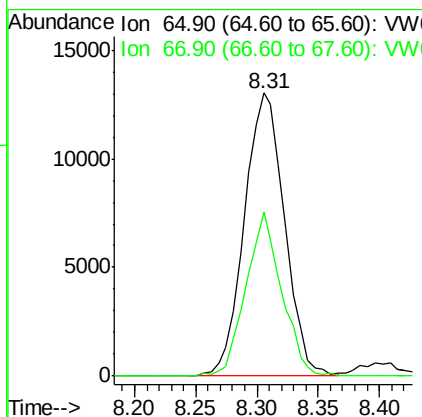
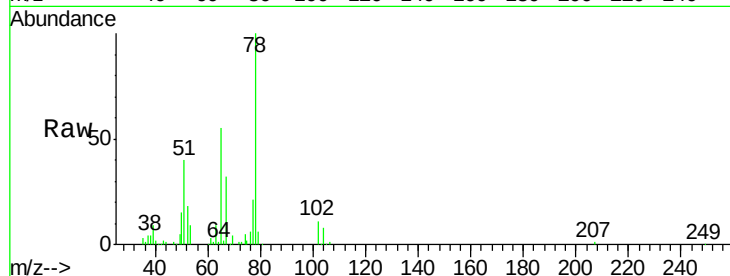
#33
 1,2-Dichloroethane-d4
 Concen: 49.740 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5		0.0	101.2

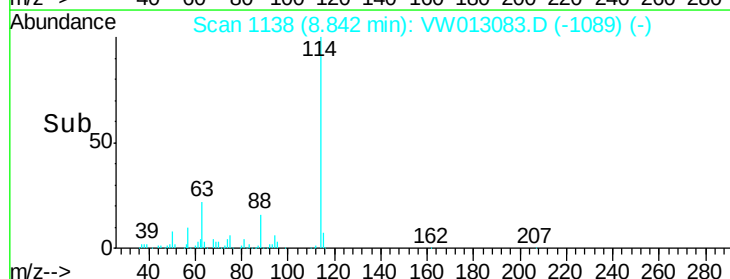
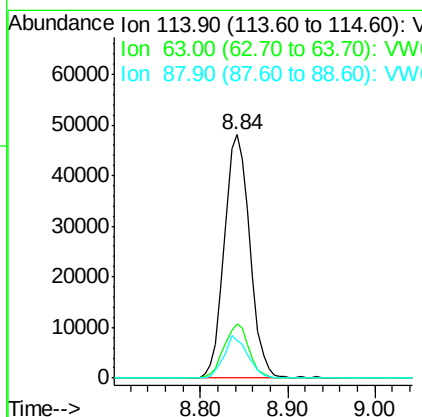
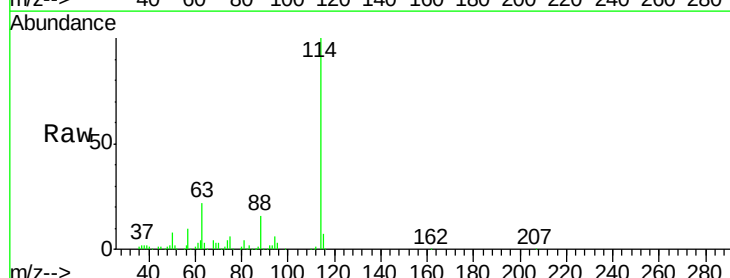
Manual Integrations
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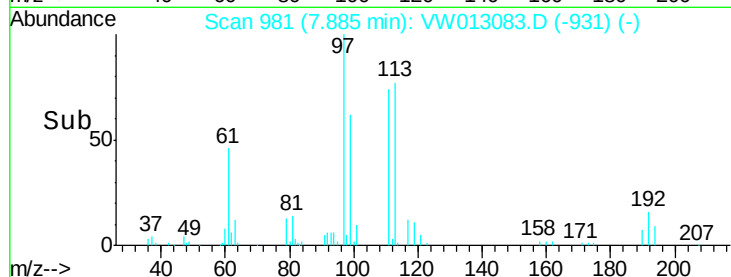
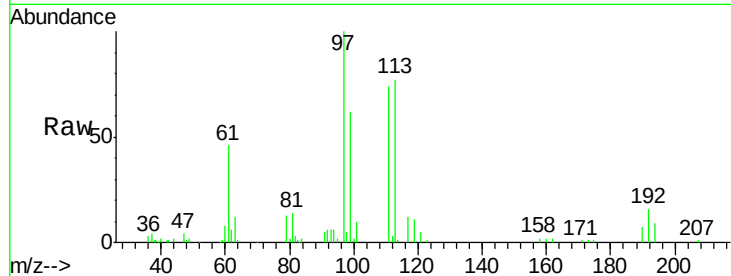
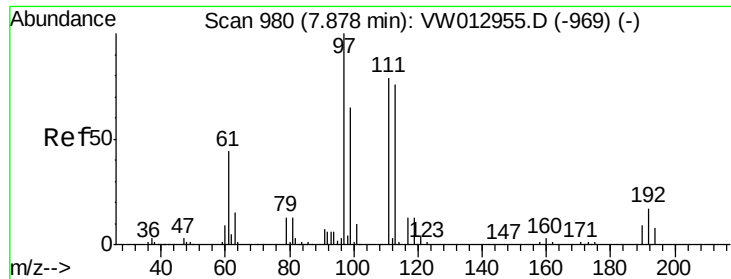
MMDadoda
 9/19/2019 1:27:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5		0.0	43.4
88	15.6		0.0	31.6





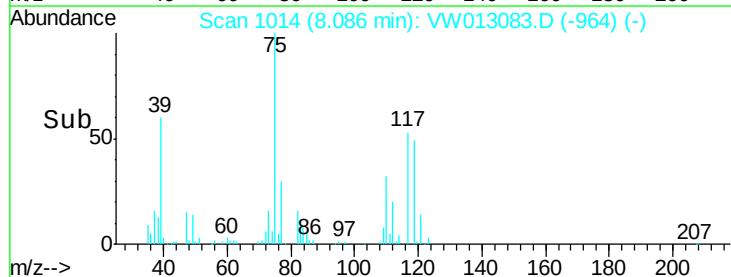
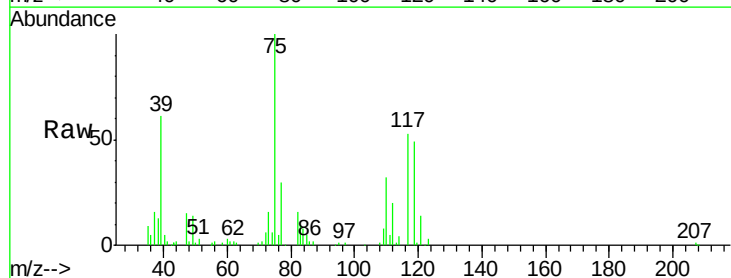
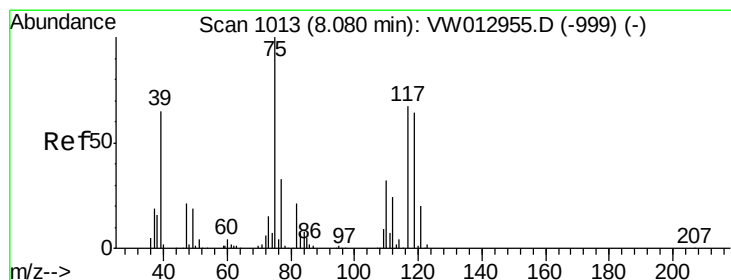
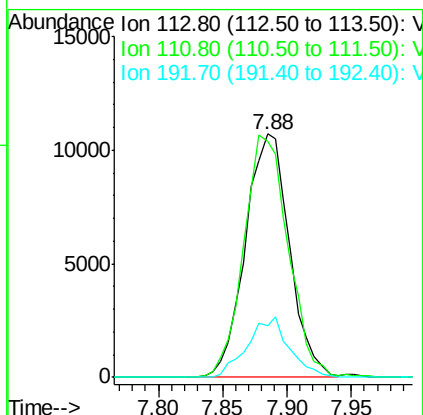
#35
Dibromofluoromethane
Concen: 48.080 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tot Ion	Ratio	Resp	Lower	Upper
113	100	25354		
111	100.6	82.8	124.2	
192	23.5	17.8	26.8	

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

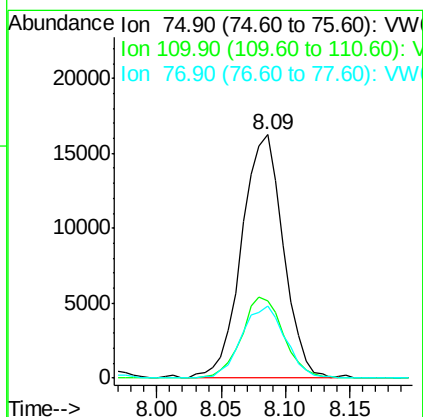
Manual Integrations
APPROVED

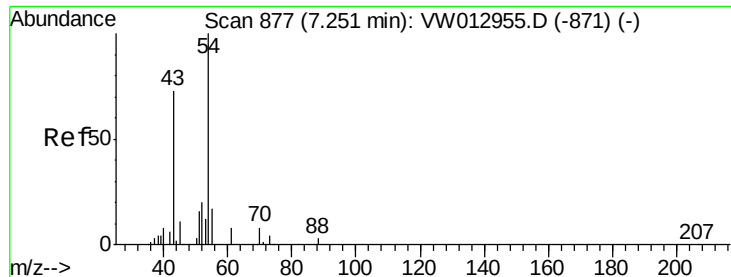
MMDadoda
9/19/2019 1:27:24 AM



#36
1,1-Dichloropropene
Concen: 46.590 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36181		
110	33.7	16.4	49.1	
77	31.4	25.1	37.7	





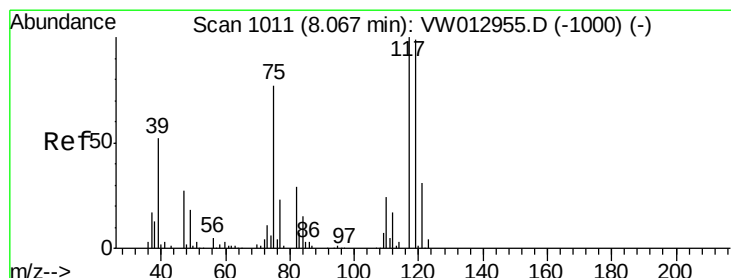
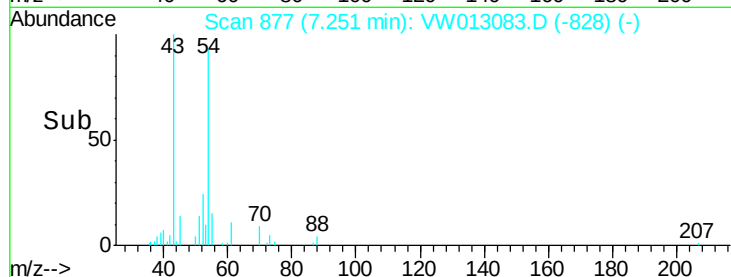
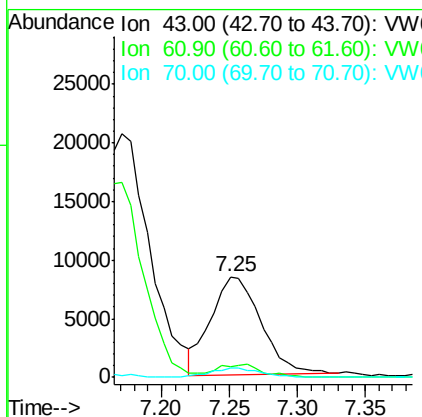
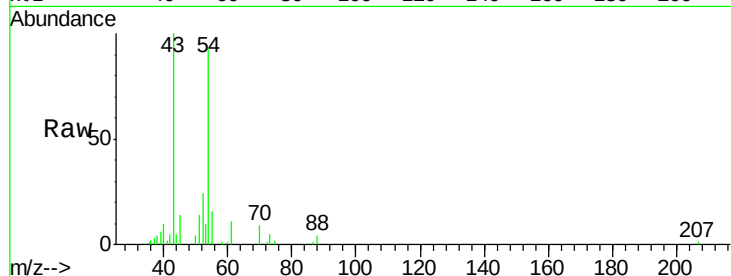
#37
Ethyl Acetate
Concen: 51.817 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.6	14.4
70	9.6	7.6	11.4

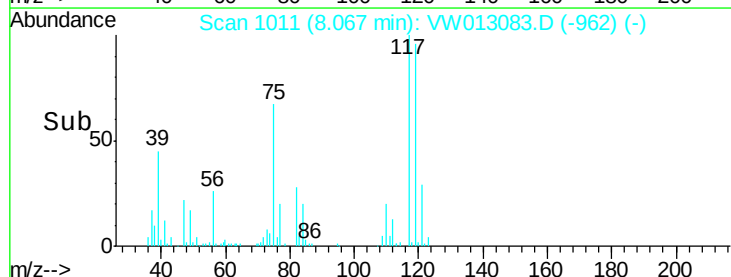
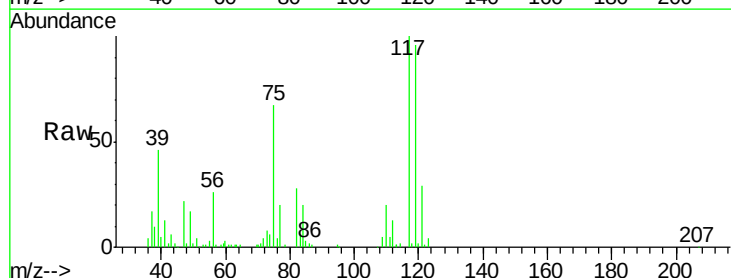
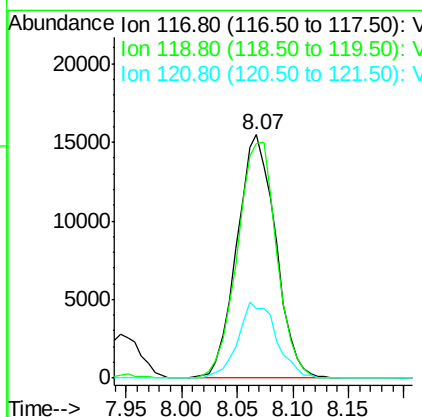
Manual Integrations
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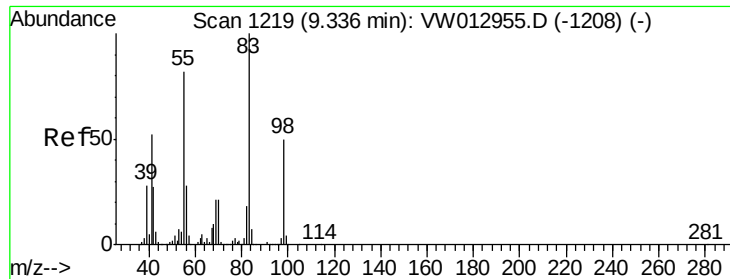
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.932 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	79.4	119.0
121	28.7	24.6	36.8





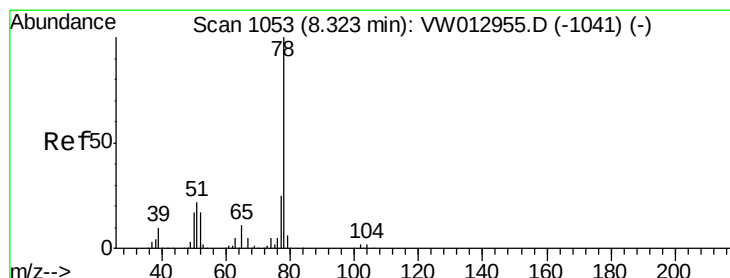
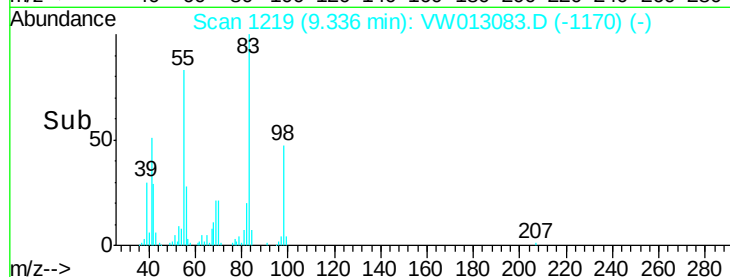
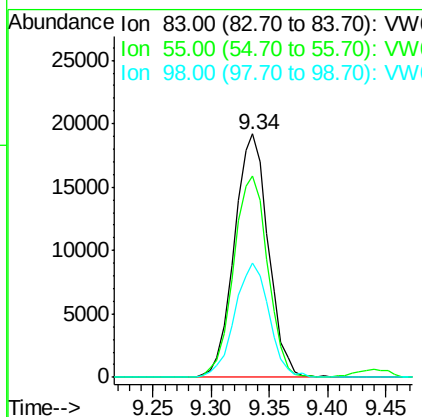
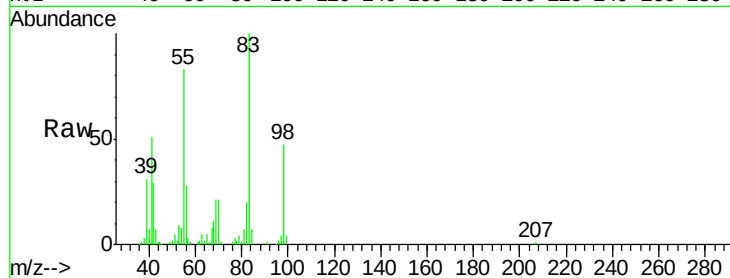
#39
Methylvlcyclohexane
Concen: 45.852 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	83	Resp	39019
Ion Ratio	Lower	Upper	
83	100		
55	83.0	65.9	98.9
98	46.9	39.6	59.4

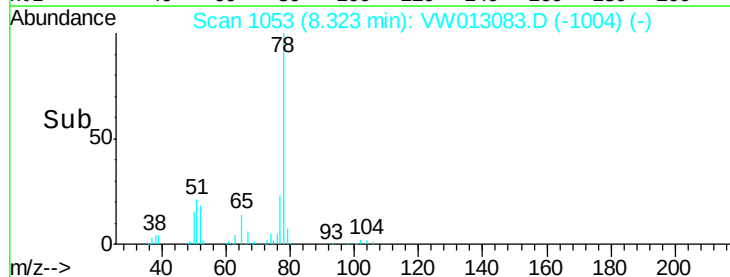
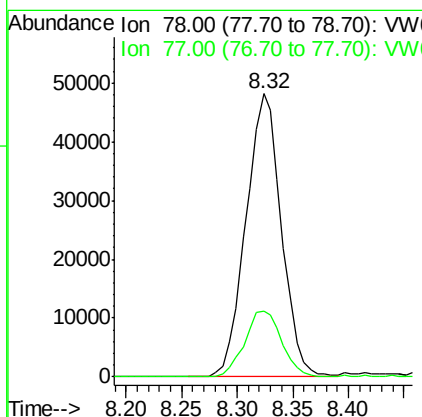
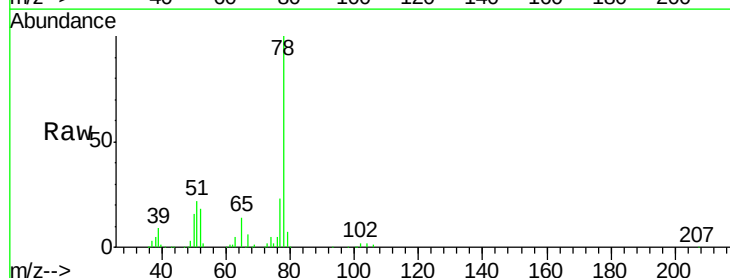
Manual Integrations
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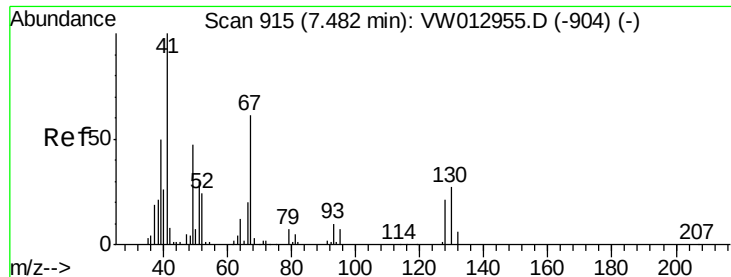
MMDadoda
9/19/2019 1:27:24 AM



#40
Benzene
Concen: 49.131 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	78	Resp	106515
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.6	29.4





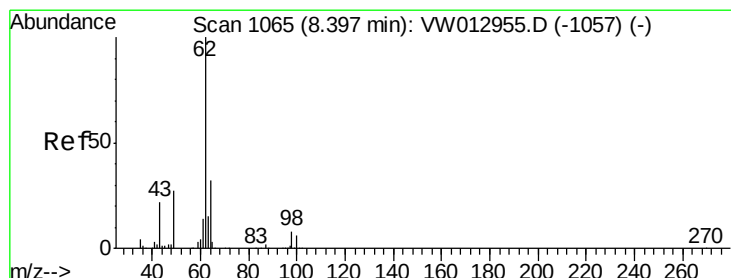
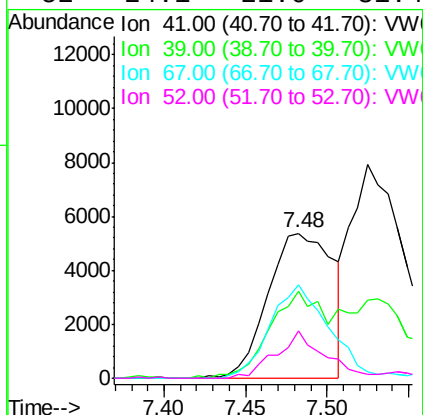
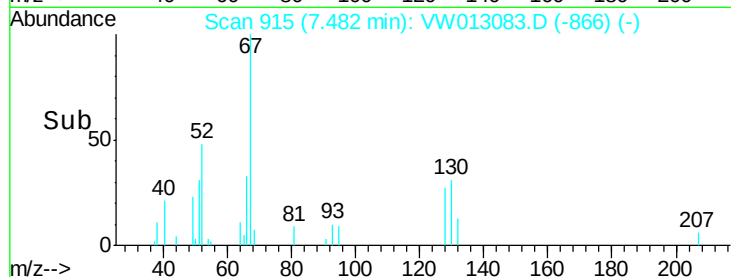
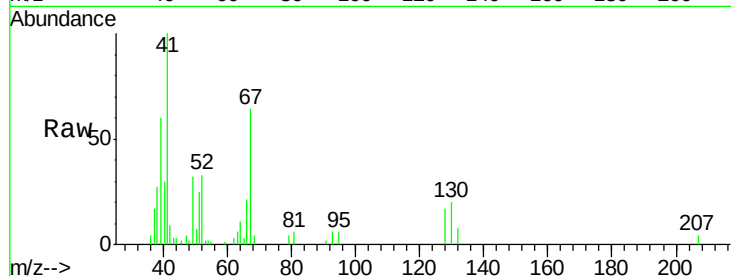
#41
Methacrylonitrile
Concen: 54.736 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		14858		
39	48.8	48.2	72.4		
67	59.8	47.5	71.3		
52	24.1	21.0	31.4		

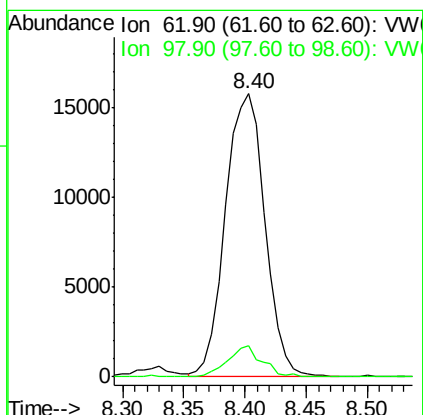
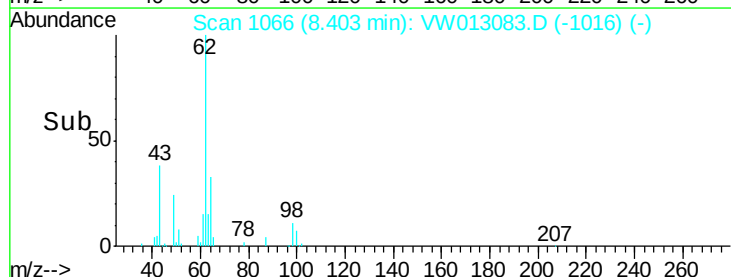
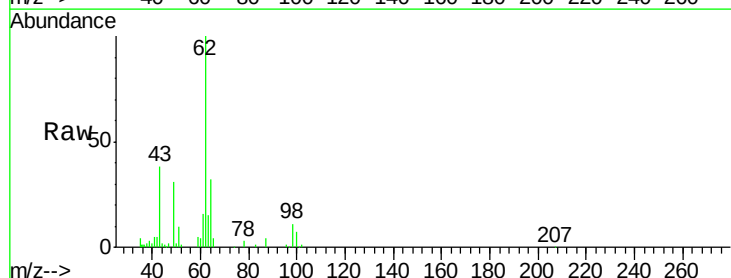
Manual Integrations
APPROVED

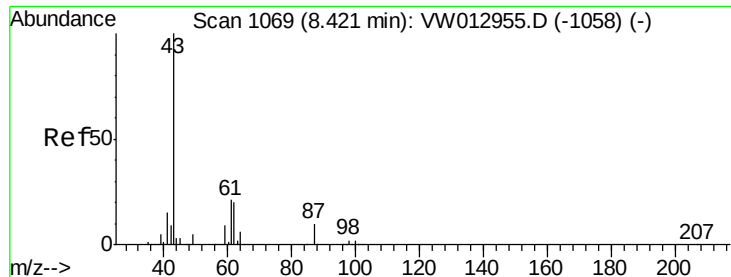
MMDadoda
9/19/2019 1:27:24 AM



#42
1,2-Dichloroethane
Concen: 48.757 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		35434		
98	9.4	0.0	16.8		





#43

Isopropyl Acetate

Concen: 55.750 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

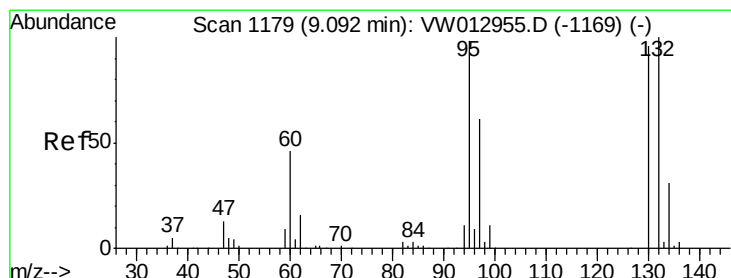
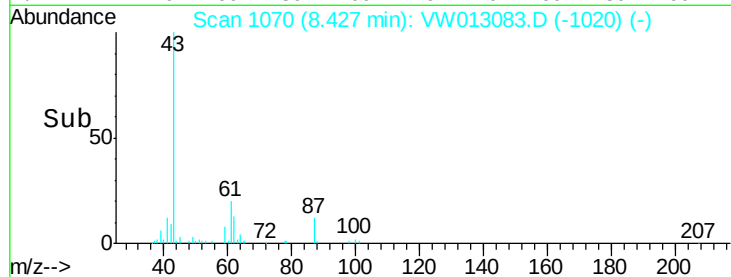
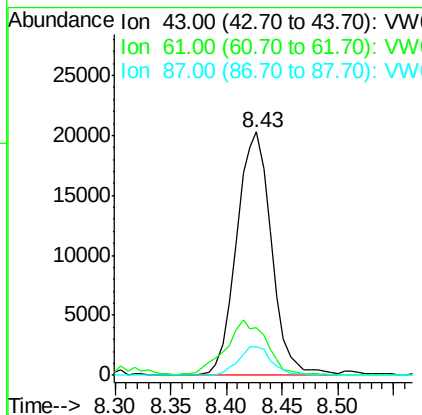
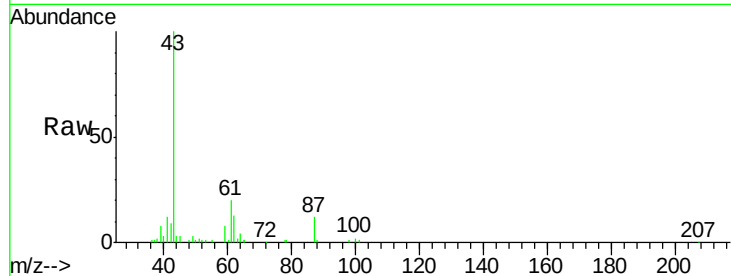
ClientSampled :

SB-3C-(9)MS

Tot Ion:	43	Resp:	44123
Ion	Ratio	Lower	Upper
43	100		
61	27.4	22.7	34.1
87	11.1	9.4	14.2

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#44

Trichloroethene

Concen: 47.997 ug/l

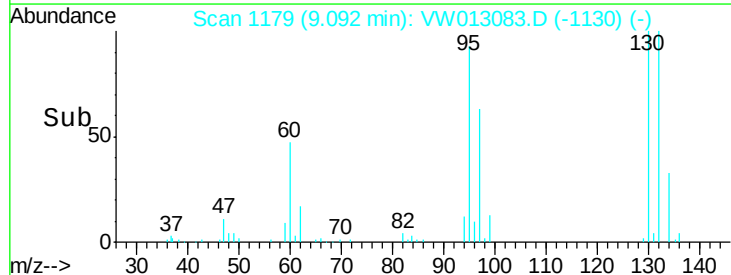
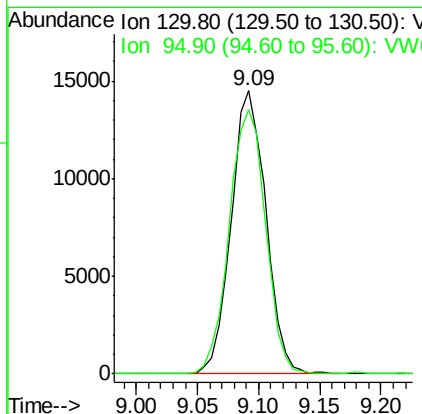
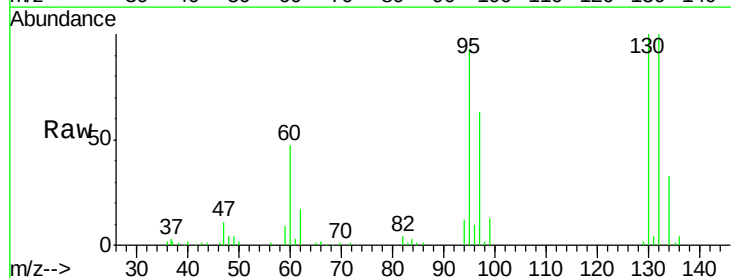
RT: 9.09 min Scan# 1179

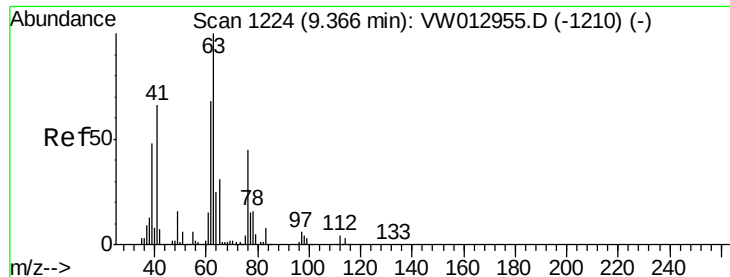
Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion:	130	Resp:	28502
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	204.4





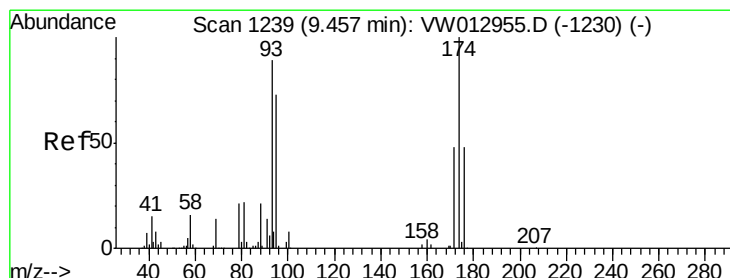
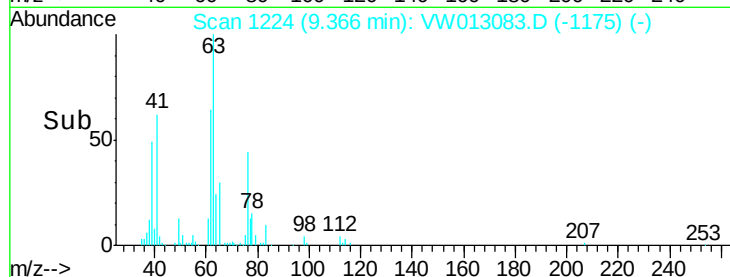
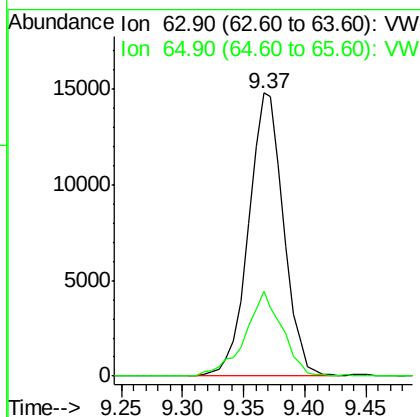
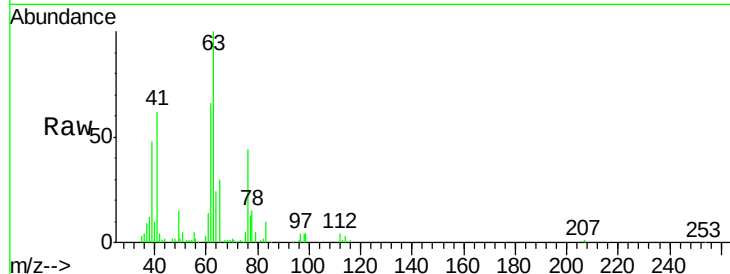
#45
 1,2-Dichloropropane
 Concen: 51.092 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	24.6	37.0

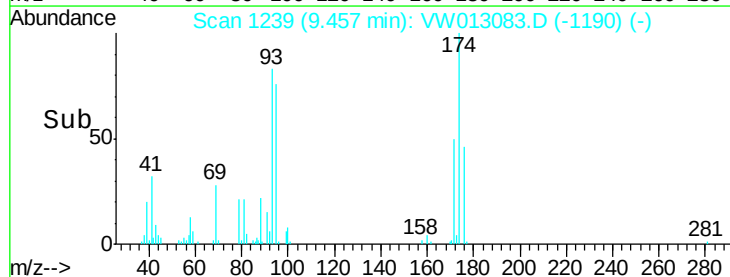
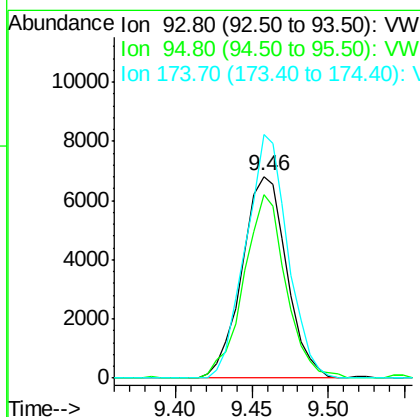
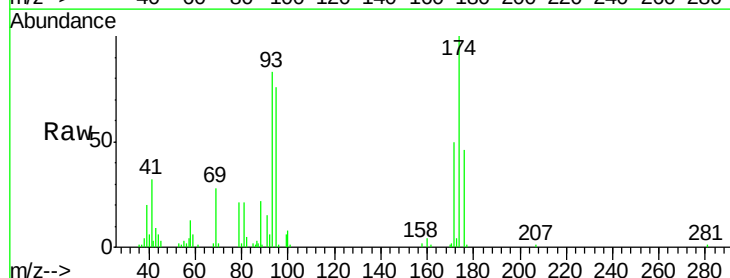
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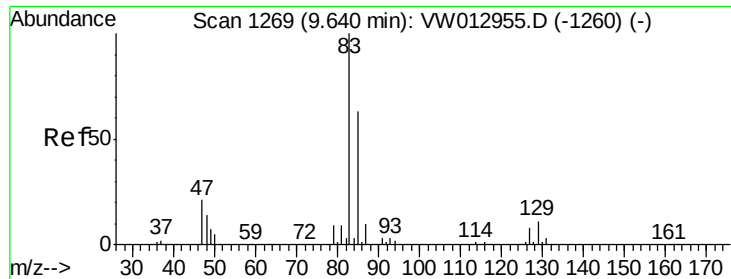
MMDadoda
 9/19/2019 1:27:24 AM



#46
 Dibromomethane
 Concen: 50.254 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.6	67.0	100.4
174	113.3	90.5	135.7





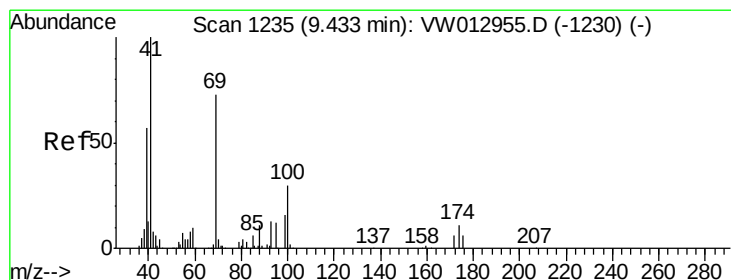
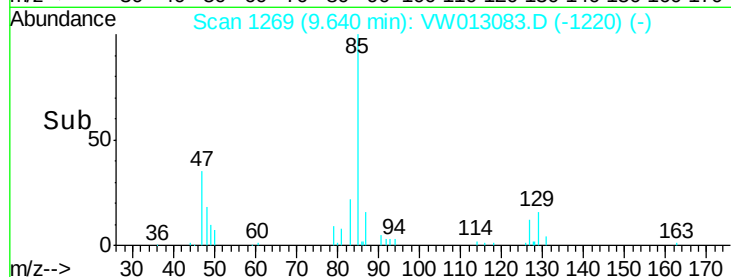
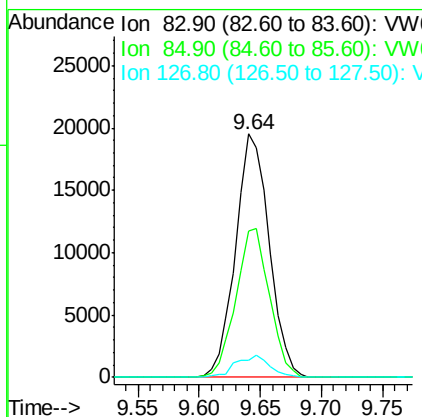
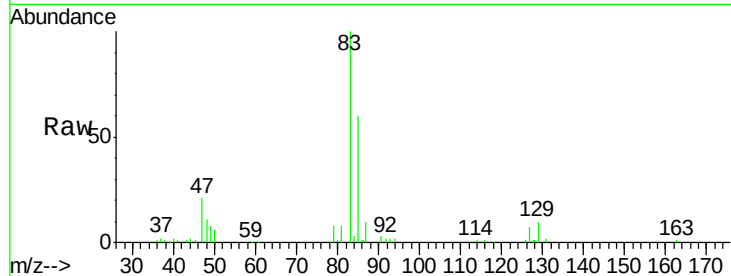
#47
Bromodichloromethane
Concen: 48.203 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	83	Resp	37312
Ion Ratio	100	Lower	Upper
83	100		
85	60.3	50.6	75.8
127	6.9	6.7	10.1

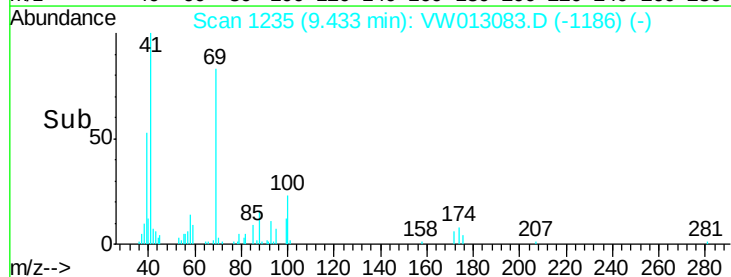
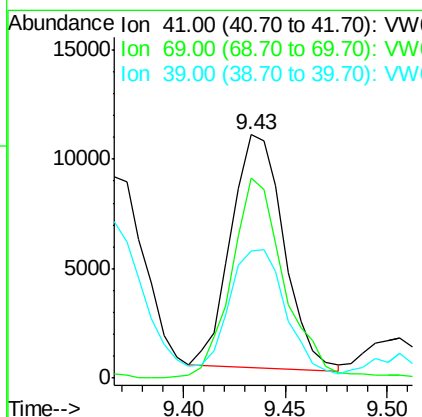
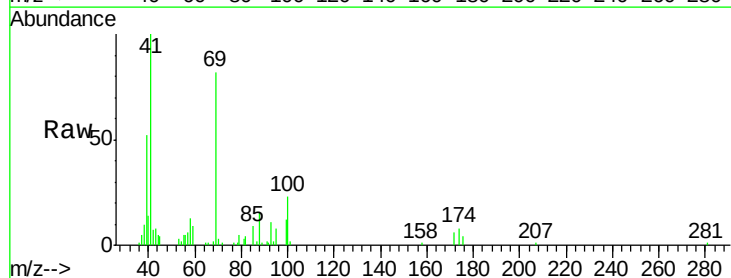
Manual Integrations
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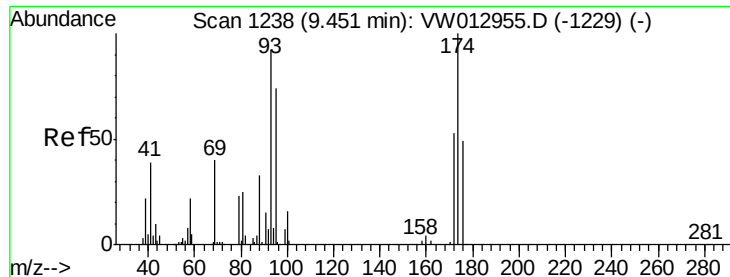
MMDadoda
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#48
Methyl methacrylate
Concen: 51.872 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	41	Resp	19267
Ion Ratio	100	Lower	Upper
41	100		
69	86.2	62.8	94.2
39	59.6	48.5	72.7





#49

1,4-Dioxane

Concen: 1126.074 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

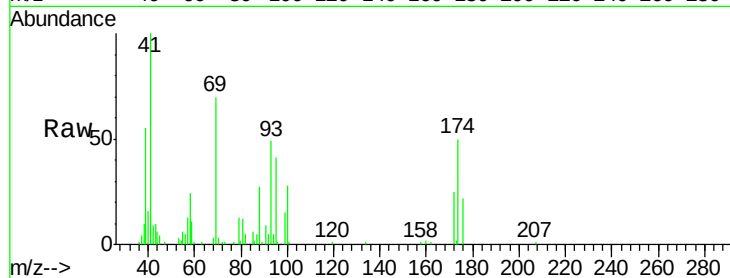
ClientSampleId :

SB-3C-(9)MS

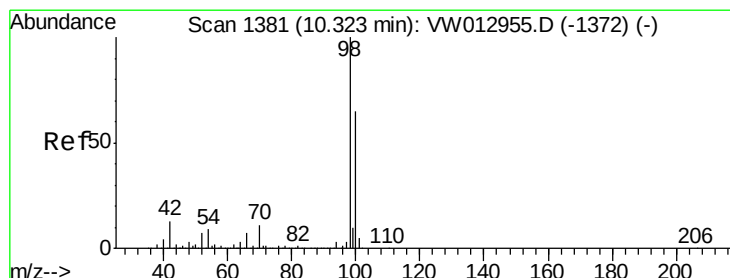
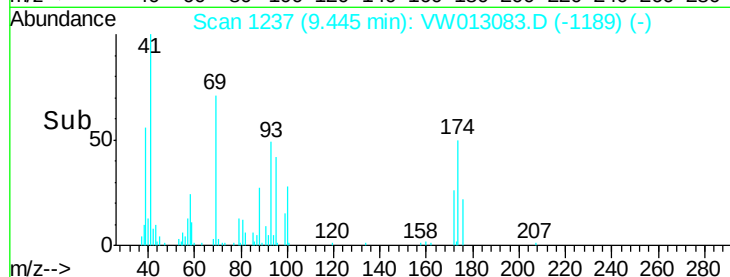
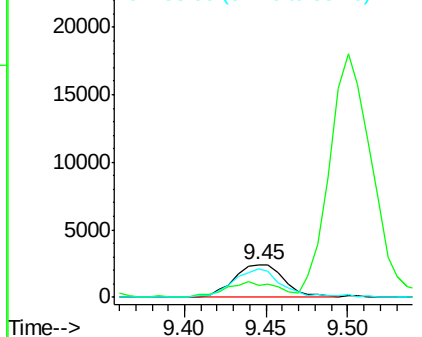
Tot Ion:	88	Resp:	5207
Ion	Ratio	Lower	Upper
88	100		
43	49.1	31.3	46.9#
58	82.5	60.2	90.2

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Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.006 ug/l

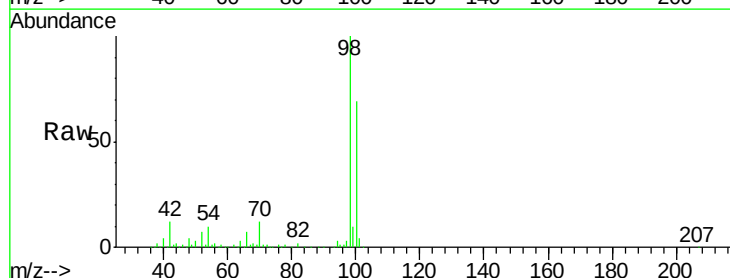
RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

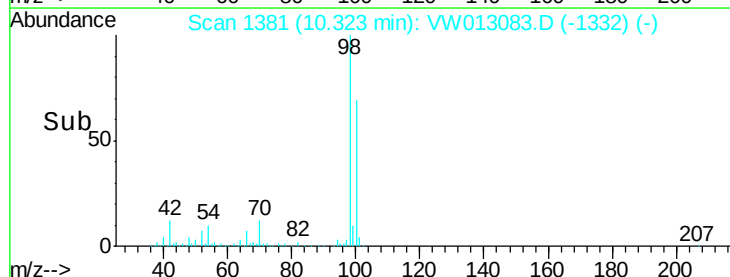
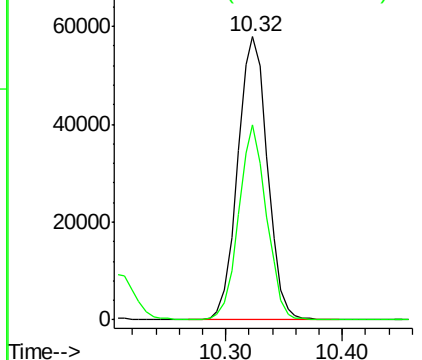
Lab File: VW013083.D

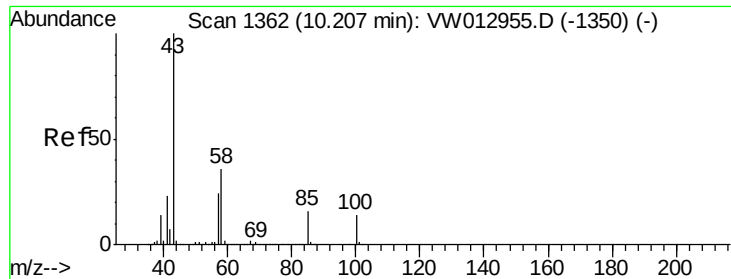
Acq: 17 Sep 2019 12:11

Tgt Ion:	98	Resp:	103187
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 294.364 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion: 43 Resp: 120278

Ion Ratio Lower Upper

43 100

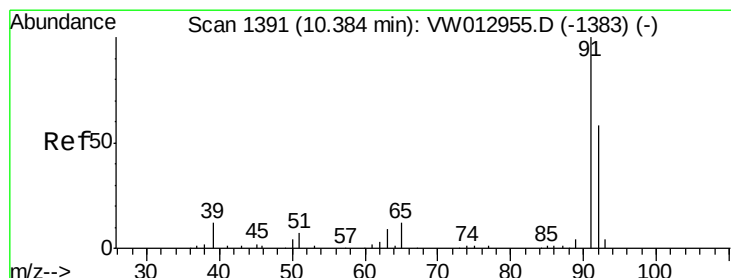
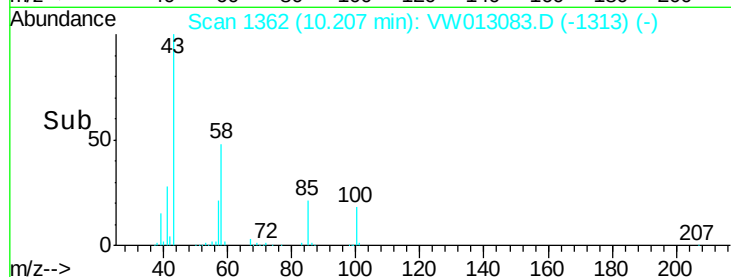
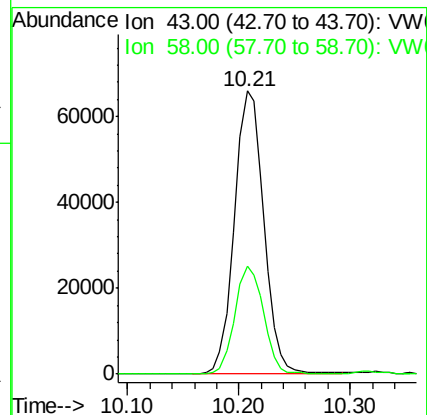
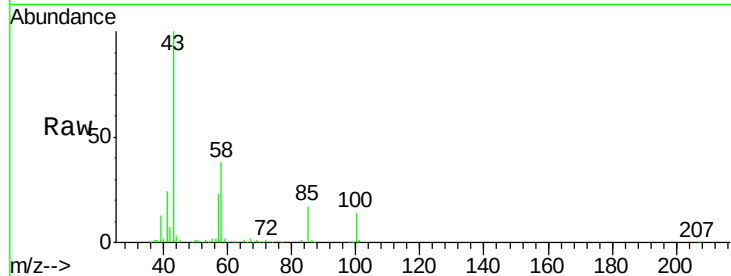
58 37.4 29.5 44.3

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#52

Toluene

Concen: 49.952 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013083.D

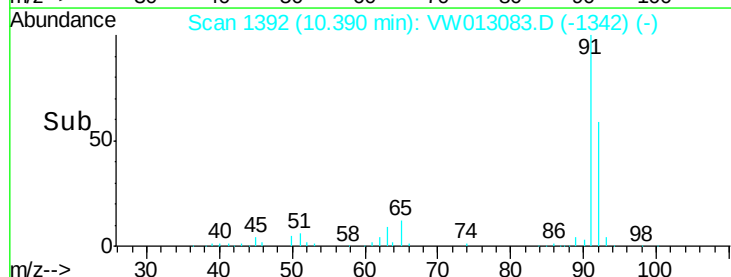
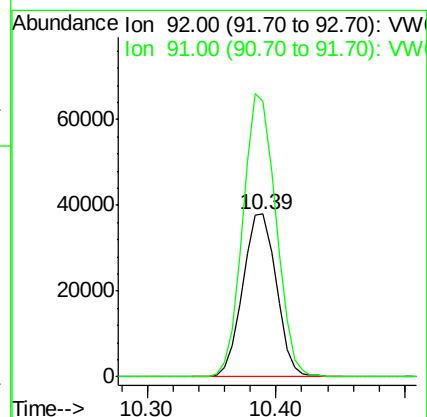
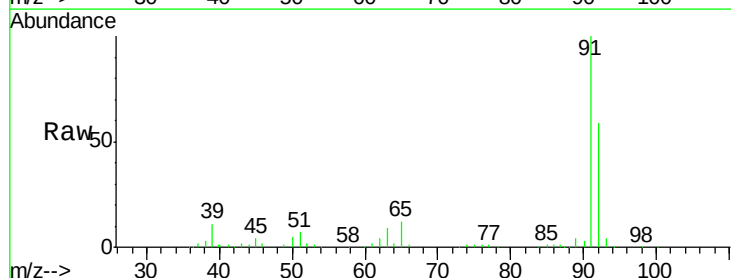
Acq: 17 Sep 2019 12:11

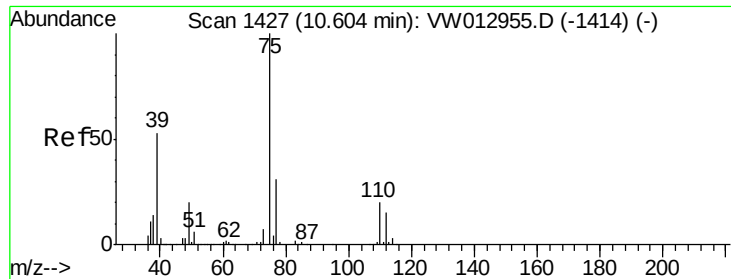
Tgt Ion: 92 Resp: 68815

Ion Ratio Lower Upper

92 100

91 170.4 137.5 206.3





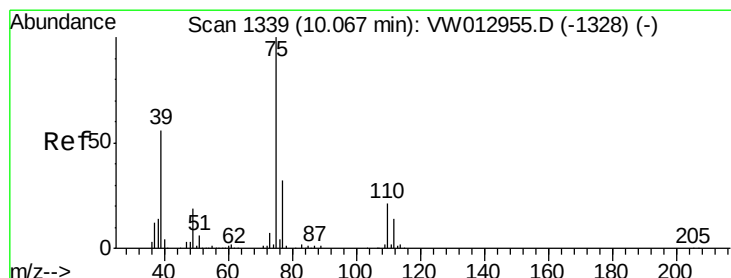
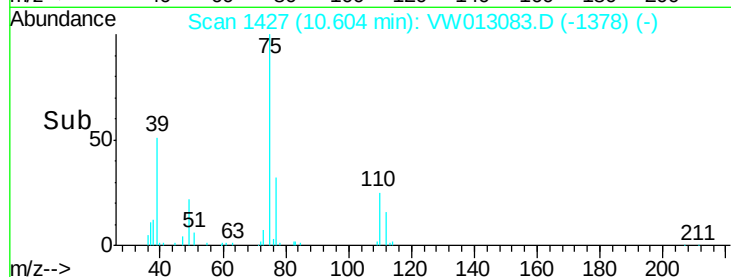
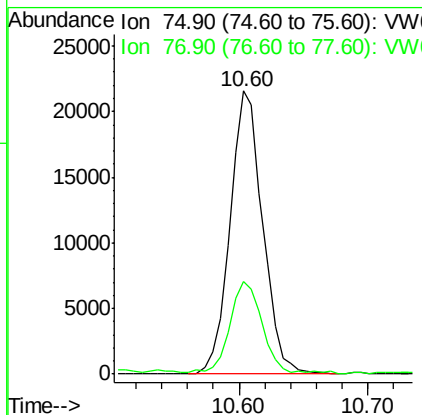
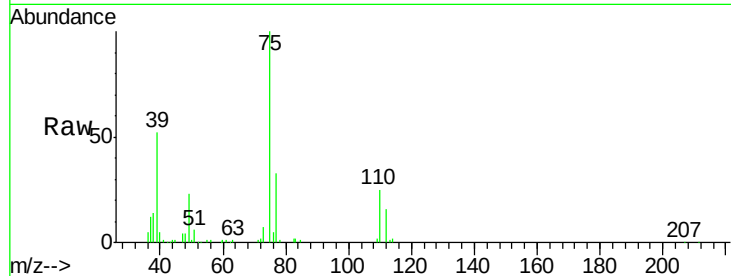
#53
t-1,3-Dichloropropene
Concen: 48.770 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion: 75 Resp: 37967
Ion Ratio Lower Upper
75 100
77 32.5 24.6 37.0

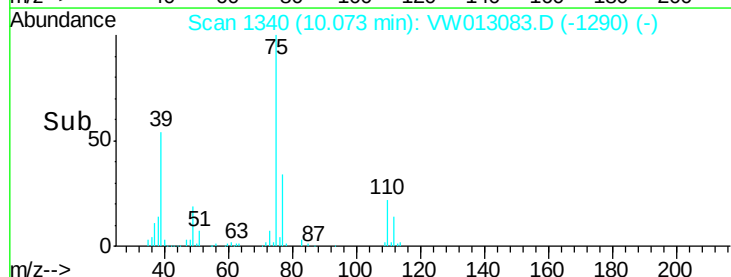
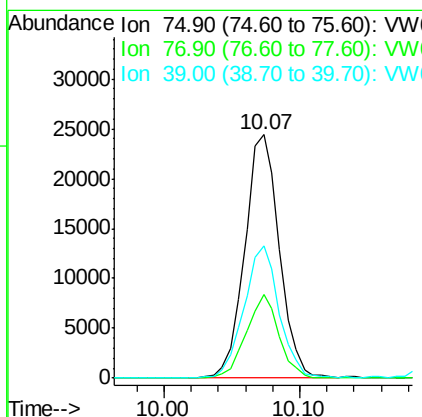
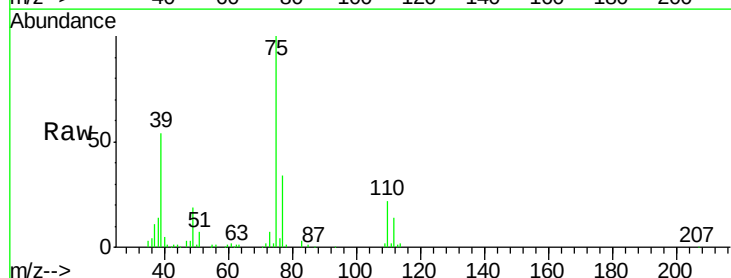
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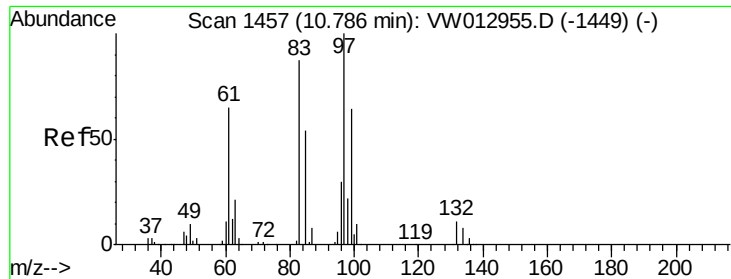
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#54
cis-1,3-Dichloropropene
Concen: 48.735 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion: 75 Resp: 43410
Ion Ratio Lower Upper
75 100
77 34.5 25.5 38.3
39 54.4 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 52.575 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

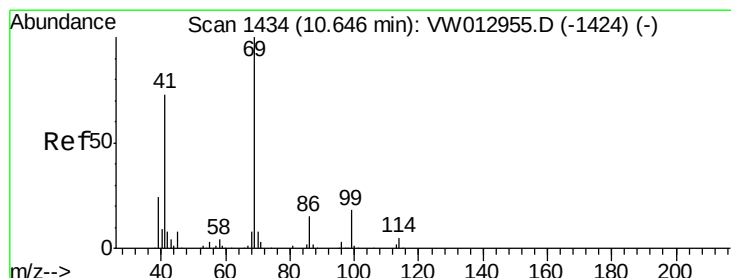
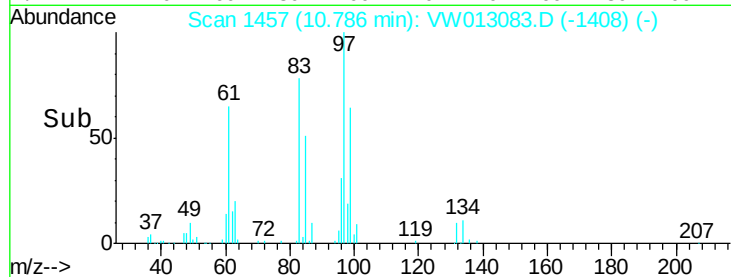
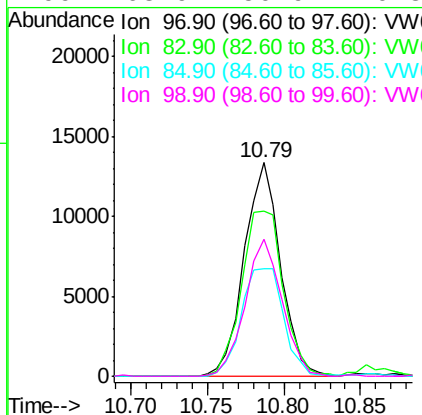
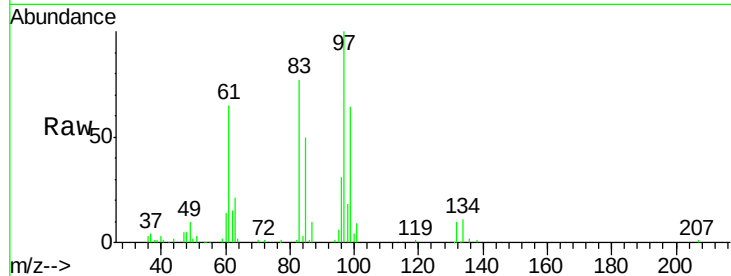
ClientSampleId :

SB-3C-(9)MS

Tot Ion:	97	Resp:	22102
Ion	Ratio	Lower	Upper
97	100		
83	77.2	69.4	104.0
85	50.4	43.3	64.9
99	63.9	50.9	76.3

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#56

Ethyl methacrylate

Concen: 52.486 ug/l

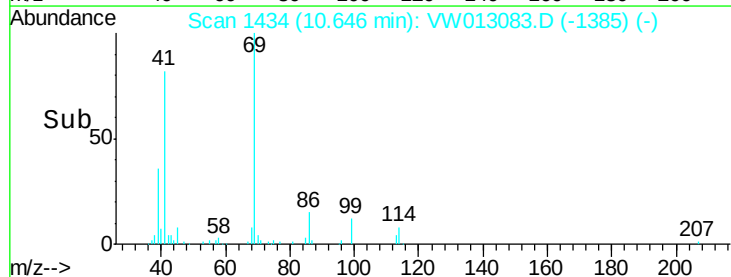
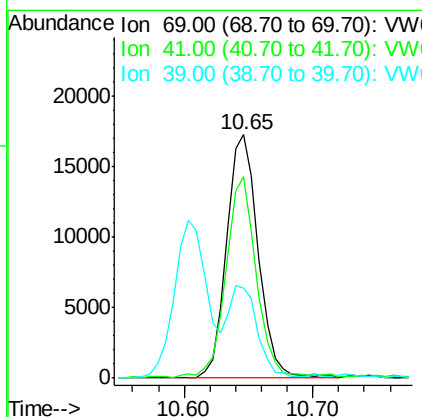
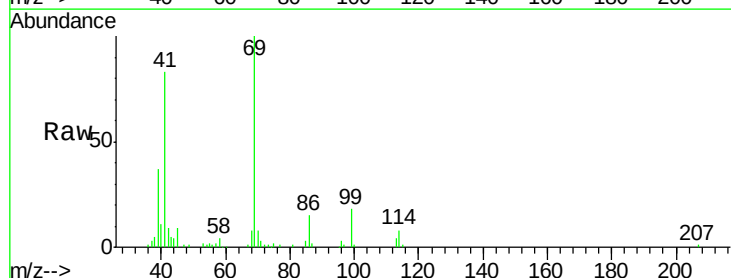
RT: 10.65 min Scan# 1434

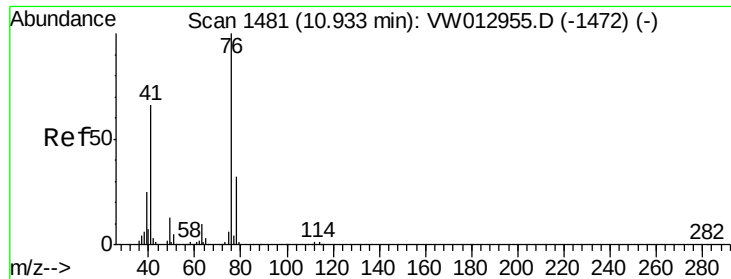
Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion:	69	Resp:	29700
Ion	Ratio	Lower	Upper
69	100		
41	82.0	60.8	91.2
39	35.3	29.4	44.0





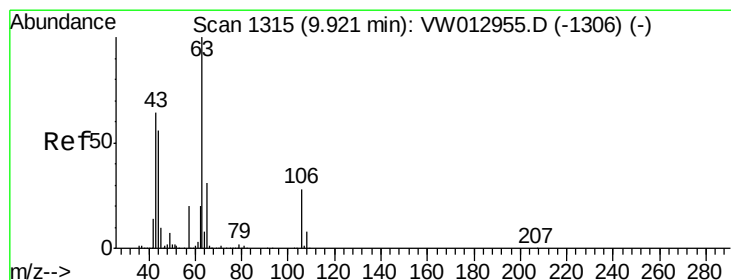
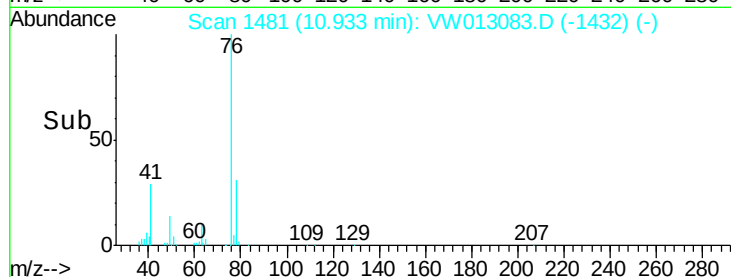
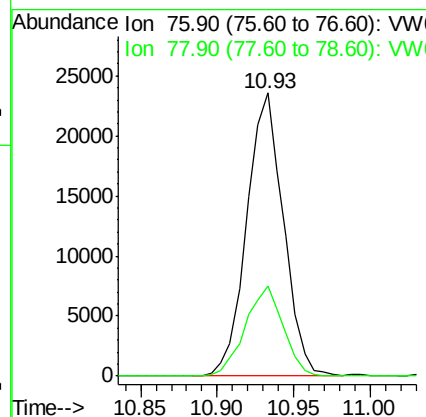
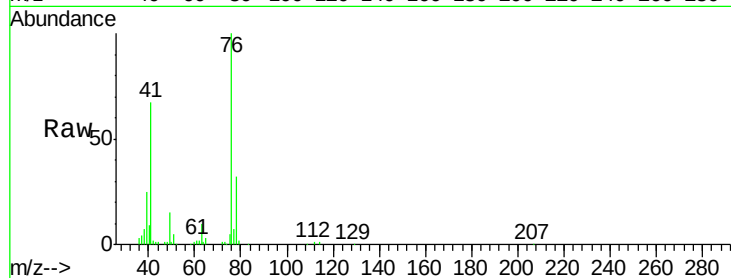
#57
 1,3-Dichloropropane
 Concen: 52.808 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion: 76 Resp: 39381
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.6 38.4

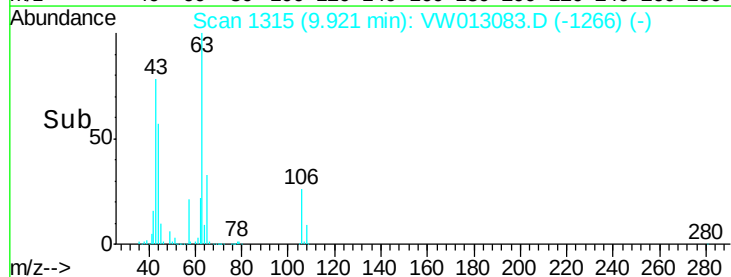
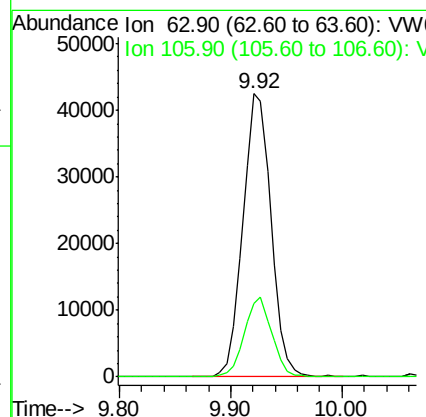
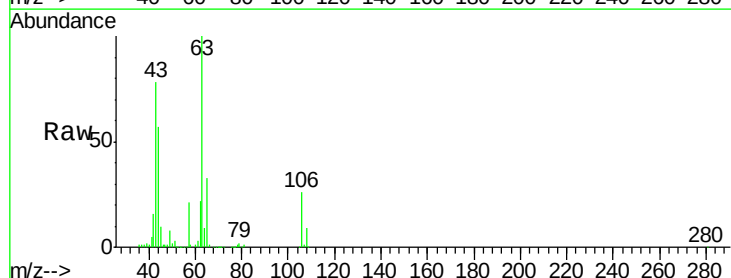
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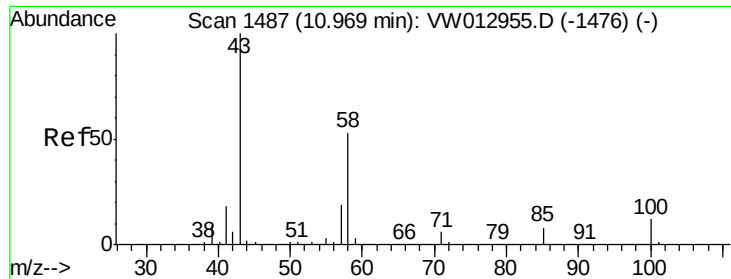
MMDadoda
 9/19/2019 1:27:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.078 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion: 63 Resp: 74392
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.2 33.2





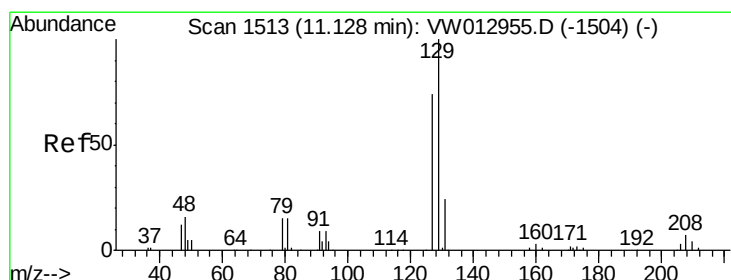
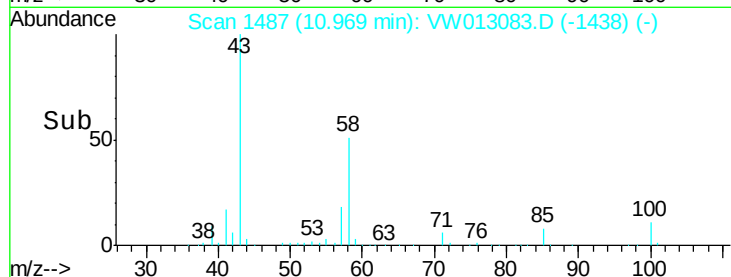
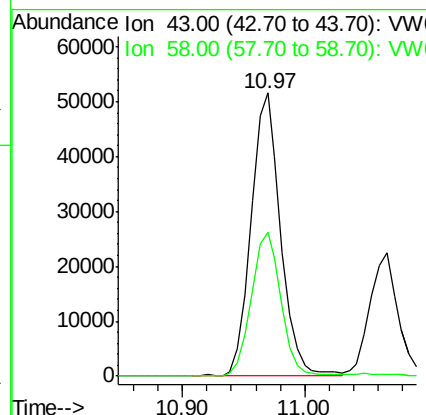
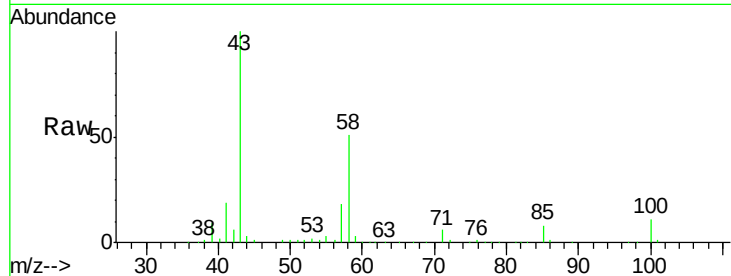
#59
2-Hexanone
Concen: 304.712 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	43	58	Ratio	Lower	Upper
Resp:	86695				
Ion	43	58	100	25.8	77.3

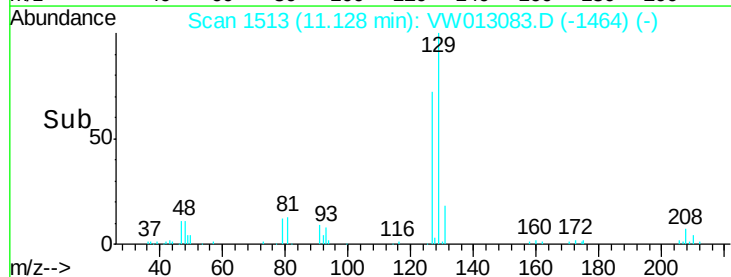
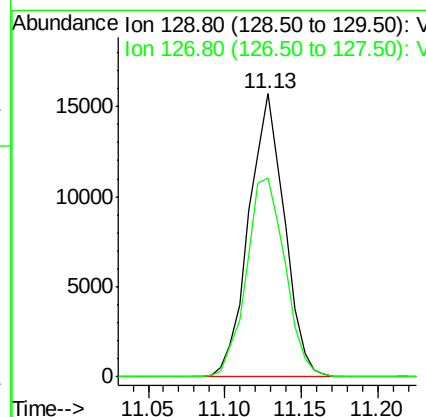
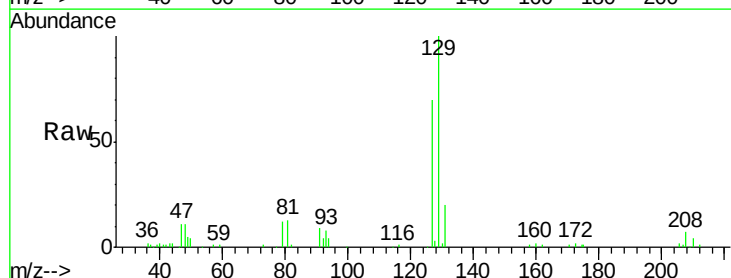
Manual Integrations
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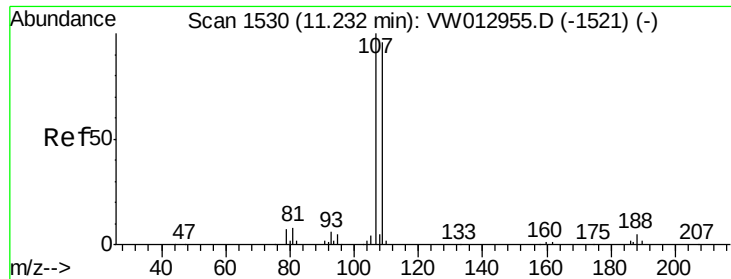
MMDadoda
9/19/2019 1:27:24 AM



#60
Dibromochloromethane
Concen: 50.083 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	129	127	Ratio	Lower	Upper
Resp:	25455				
Ion	129	127	100	37.4	112.2





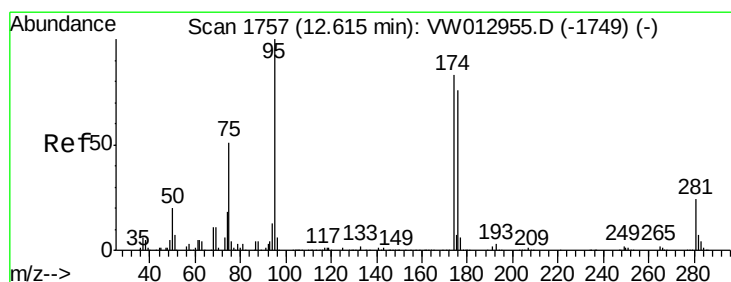
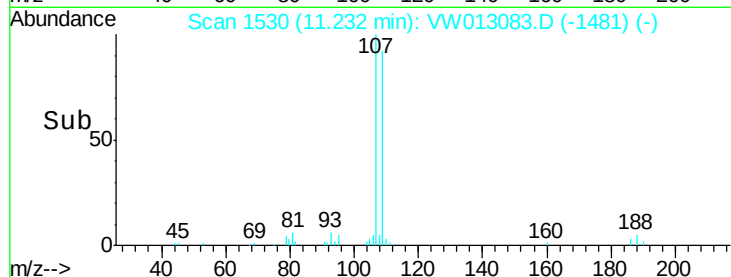
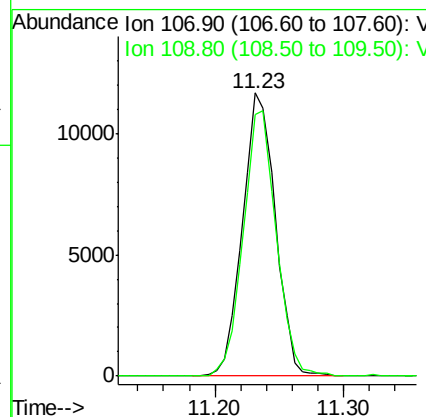
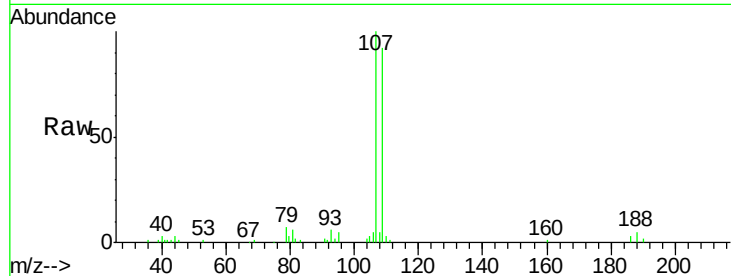
#61
 1,2-Dibromoethane
 Concen: 53.641 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.0	112.6

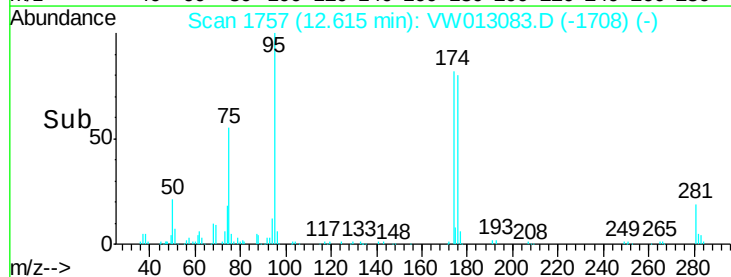
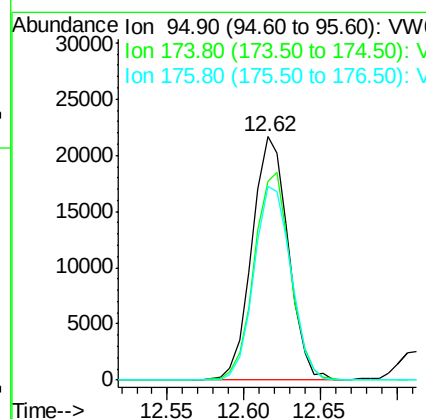
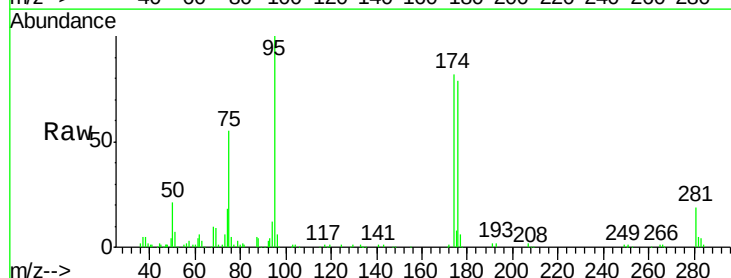
Manual Integrations
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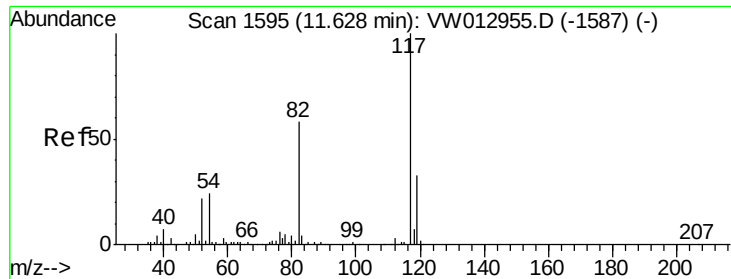
MMDadoda
 9/19/2019 1:27:24 AM



#62
 4-Bromofluorobenzene
 Concen: 48.168 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	170.4
176	81.1	0.0	164.6





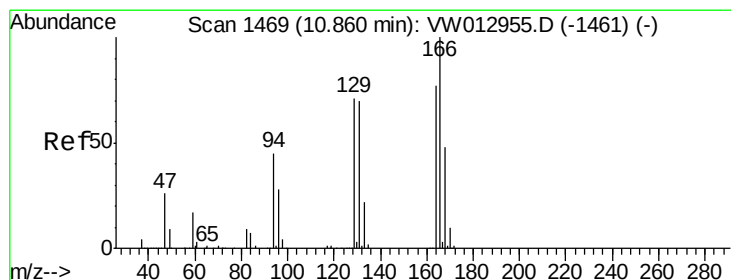
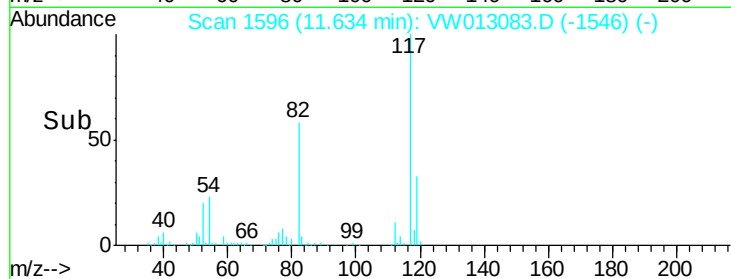
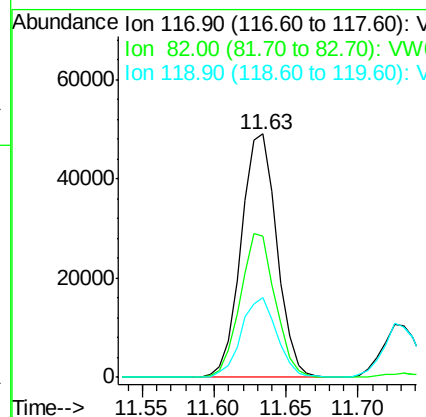
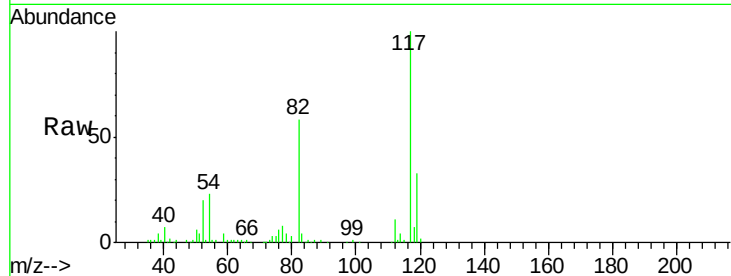
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.3	69.5
119	32.7	26.2	39.4

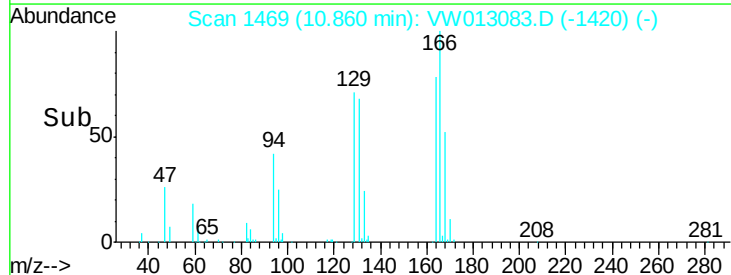
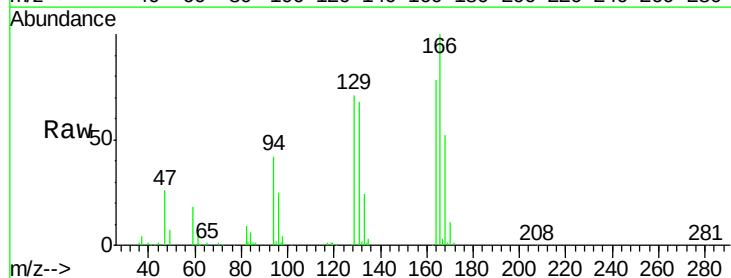
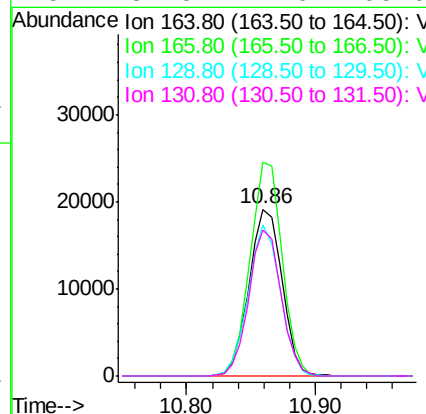
Manual Integrations
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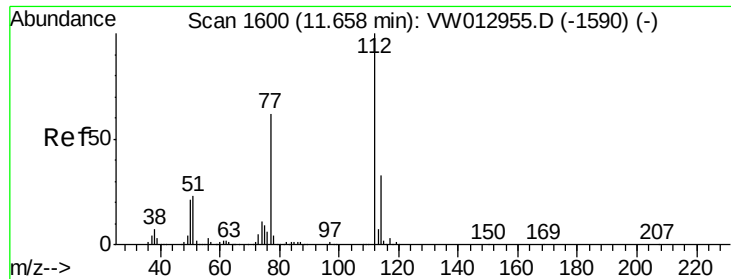
MMDadoda
9/19/2019 1:27:24 AM



#64
Tetrachloroethene
Concen: 67.532 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.3	154.9
129	90.9	73.8	110.8
131	87.8	72.0	108.0





#65

Chlorobenzene

Concen: 48.051 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion:112 Resp: 72217

Ion Ratio Lower Upper

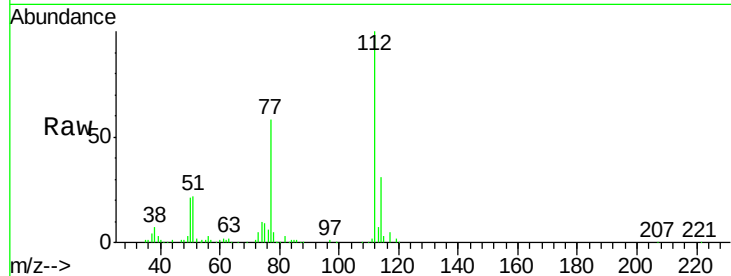
112 100

114 31.0 26.4 39.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

40000

30000

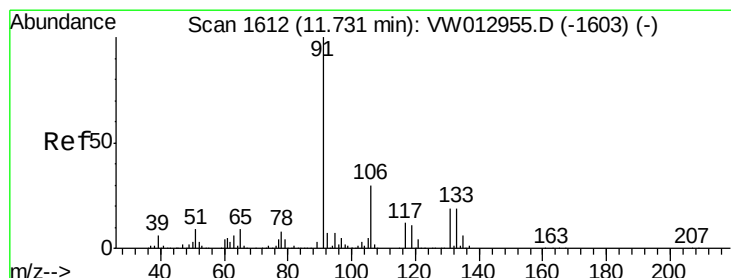
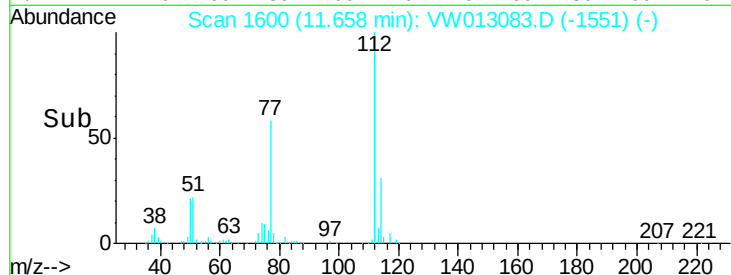
20000

10000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 47.376 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

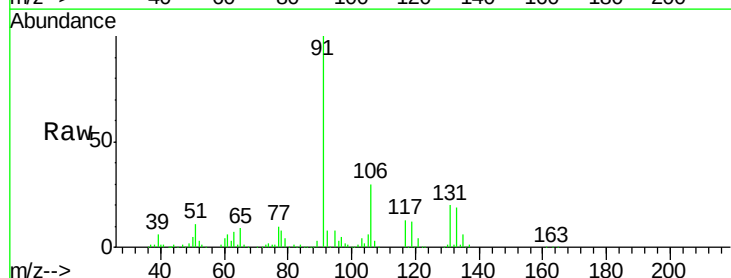
Tgt Ion:131 Resp: 27286

Ion Ratio Lower Upper

131 100

133 98.8 47.9 143.8

119 65.1 30.9 92.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

20000

15000

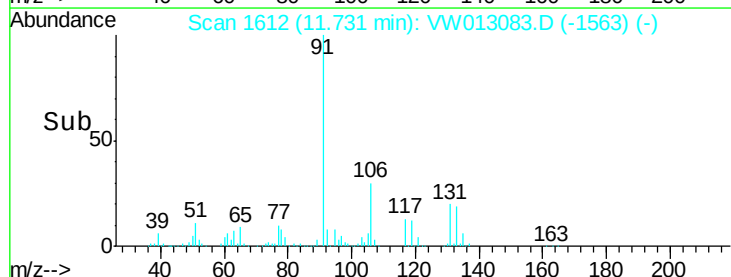
10000

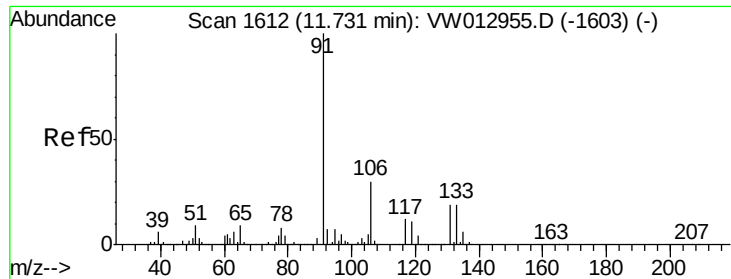
5000

0

Time-->

11.65 11.70 11.75 11.80





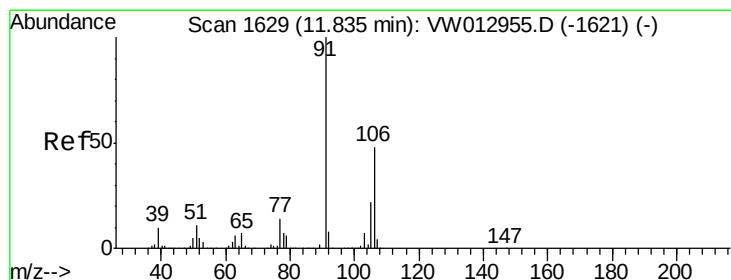
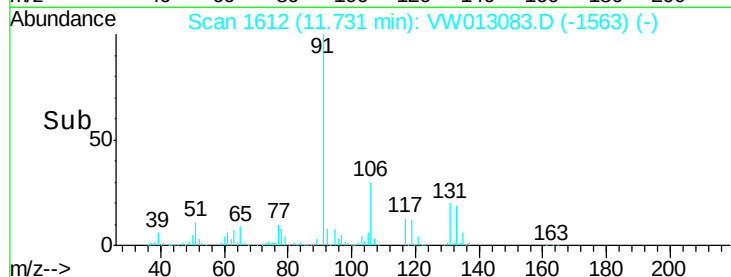
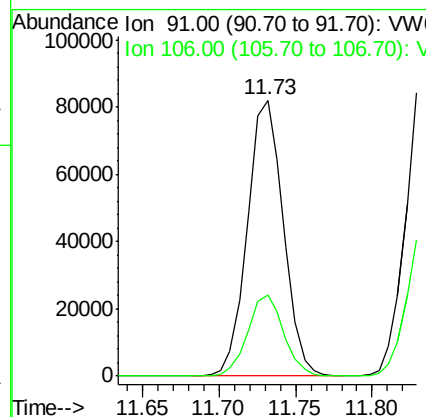
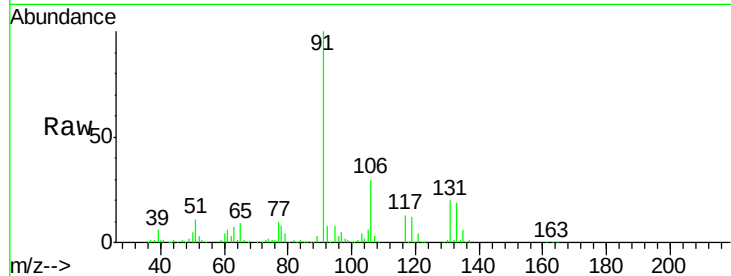
#67
Ethyl Benzene
Concen: 48.321 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion: 91 Resp: 134126
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5

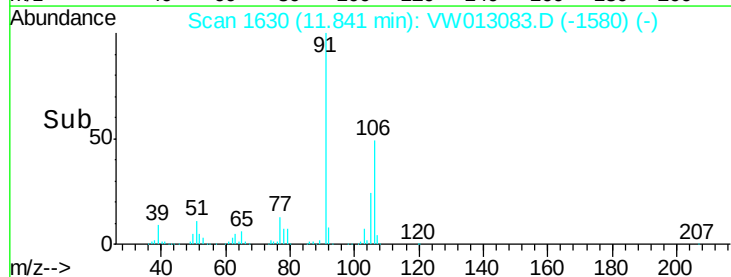
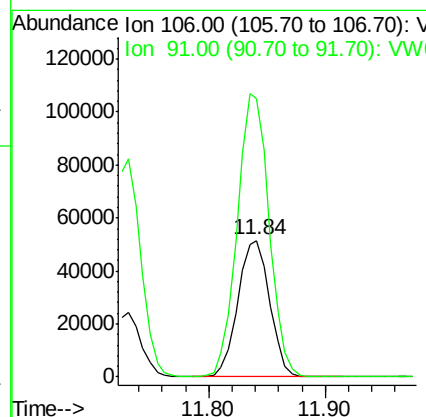
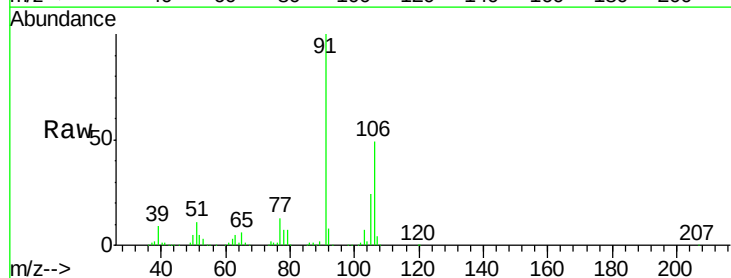
Manual Integrations
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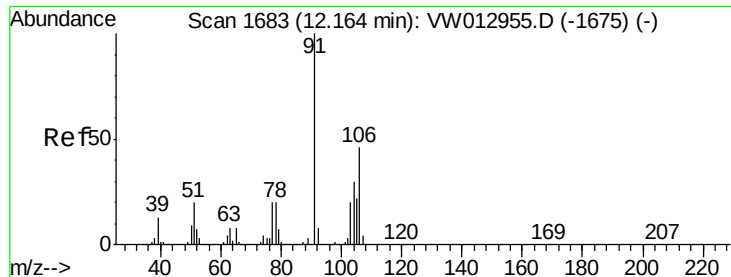
MMDadoda
9/19/2019 1:27:24 AM



#68
m/p-Xylenes
Concen: 96.749 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion: 106 Resp: 98105
Ion Ratio Lower Upper
106 100
91 207.1 165.8 248.8





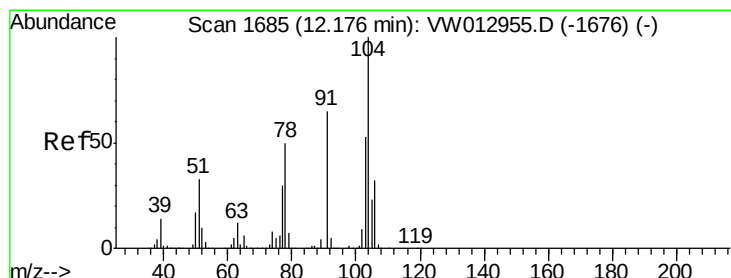
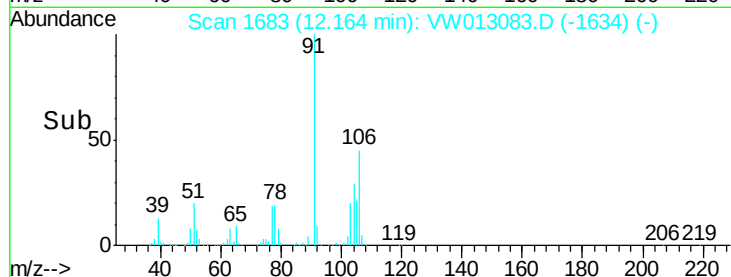
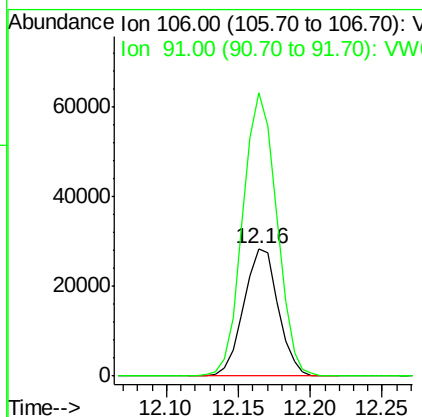
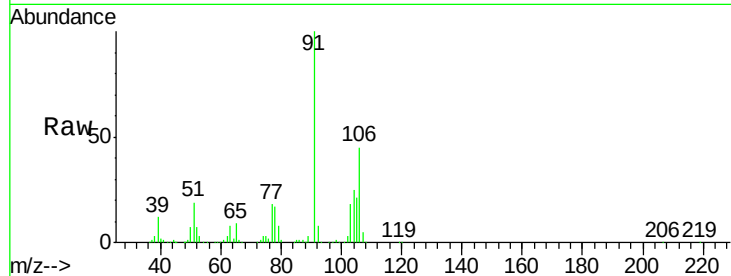
#69
o-Xylene
Concen: 49.593 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion:106 Resp: 47146
Ion Ratio Lower Upper
106 100
91 218.9 109.7 329.0

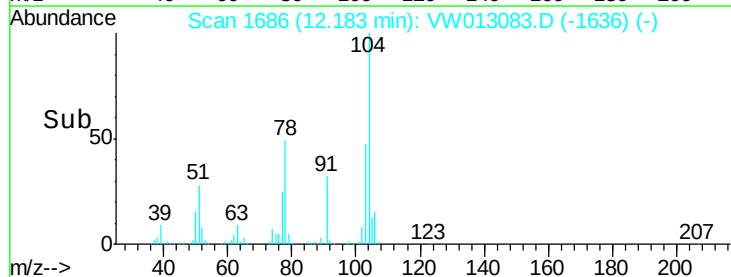
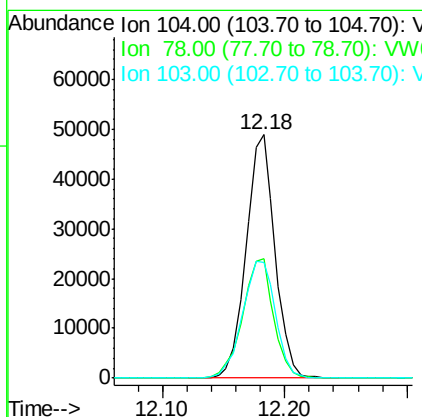
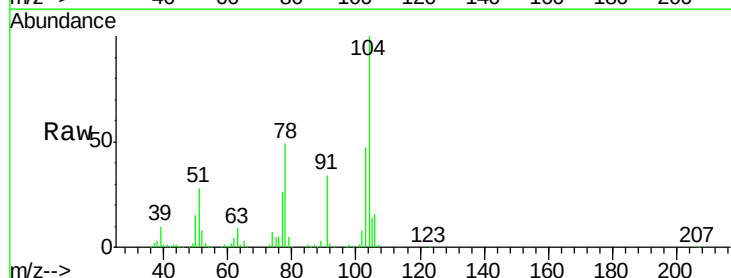
Manual Integrations
APPROVED

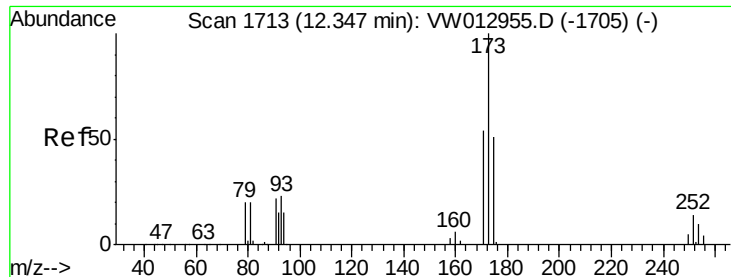
MMDadoda
9/19/2019 1:27:24 AM



#70
Styrene
Concen: 47.360 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion:104 Resp: 80091
Ion Ratio Lower Upper
104 100
78 52.7 42.1 63.1
103 54.8 44.2 66.4





#71

Bromoform

Concen: 49.387 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion:173 Resp: 14941

Ion Ratio Lower Upper

173 100

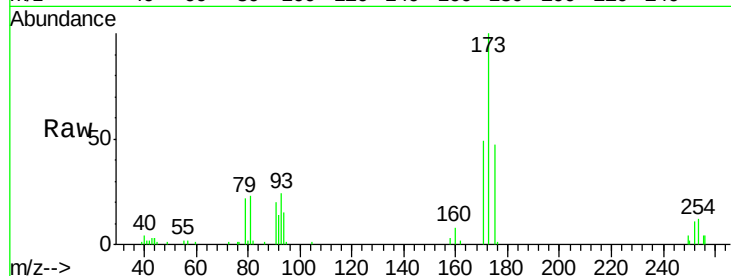
175 49.7 24.2 72.6

254 0.1 0.1 0.1#

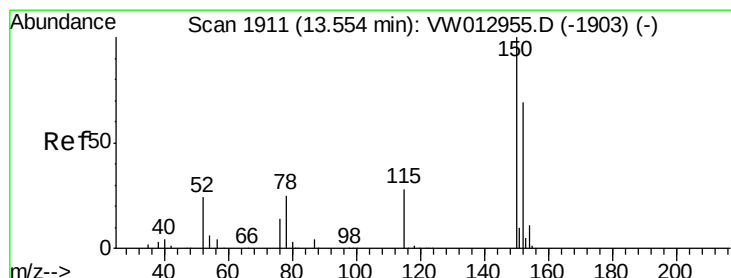
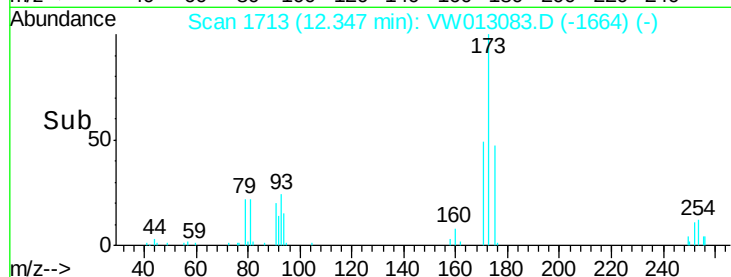
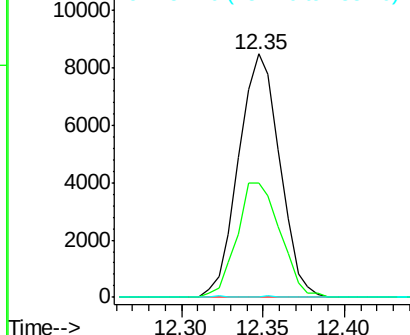
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

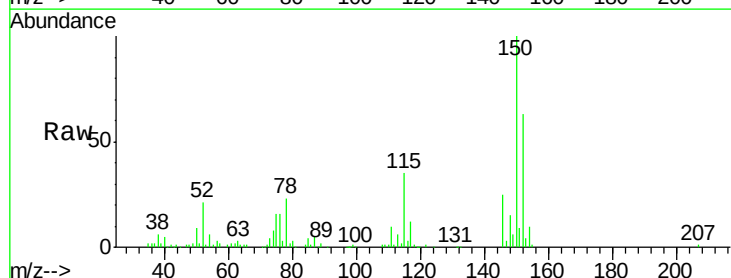
Tgt Ion:152 Resp: 40800

Ion Ratio Lower Upper

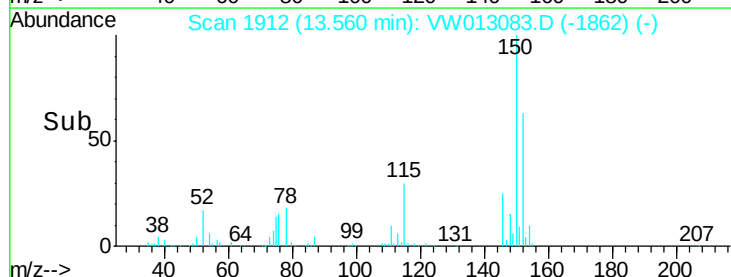
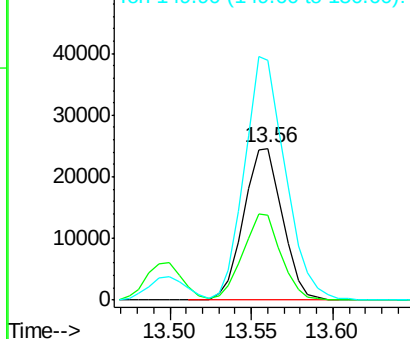
152 100

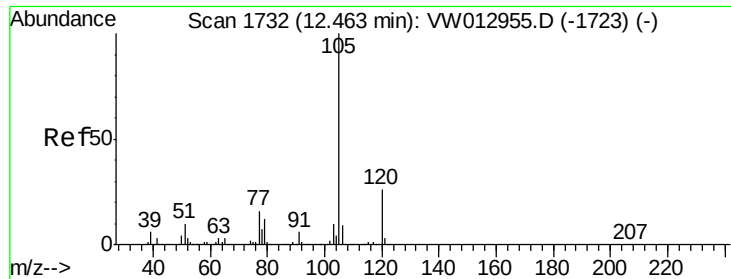
115 55.8 28.8 86.4

150 168.8 0.0 340.2



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





#73

Isopropylbenzene

Concen: 50.681 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion:105 Resp: 137058

Ion Ratio Lower Upper

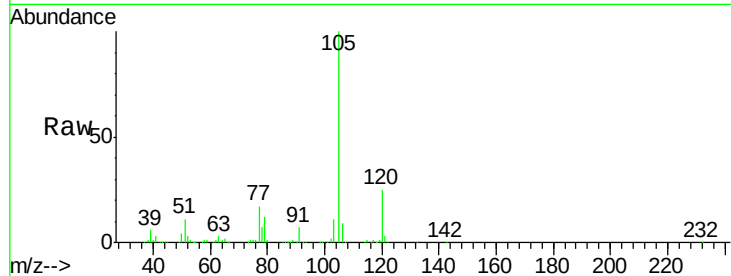
105 100

120 25.4 13.0 39.0

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

80000

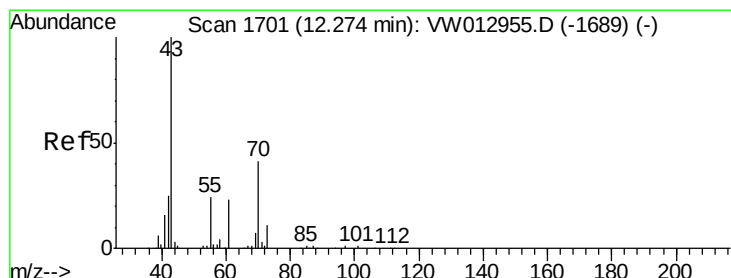
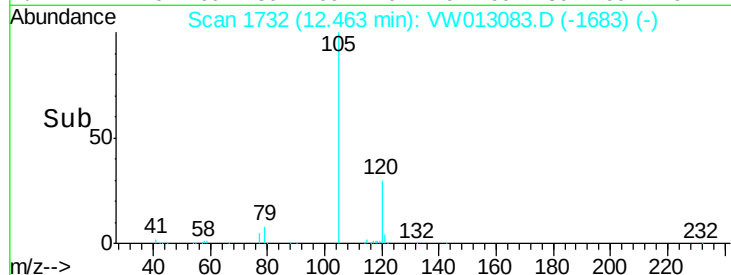
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 52.052 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion: 43 Resp: 36211

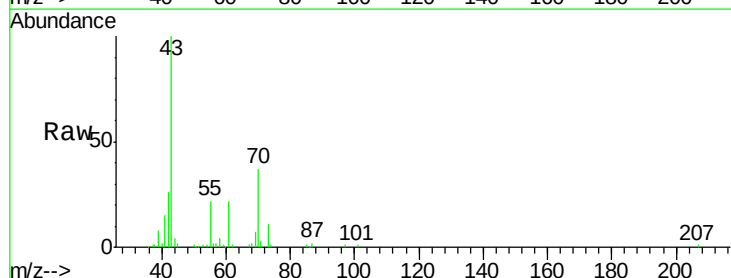
Ion Ratio Lower Upper

43 100

70 39.0 31.7 47.5

55 24.5 19.4 29.2

61 23.2 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

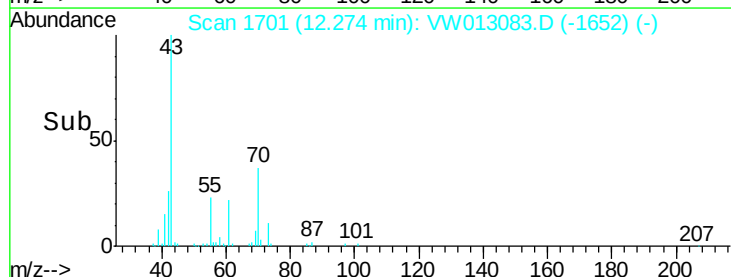
30000

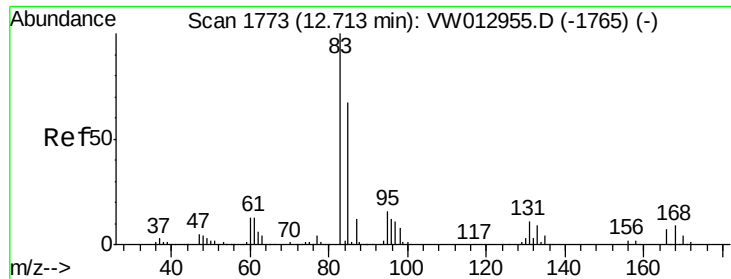
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.886 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

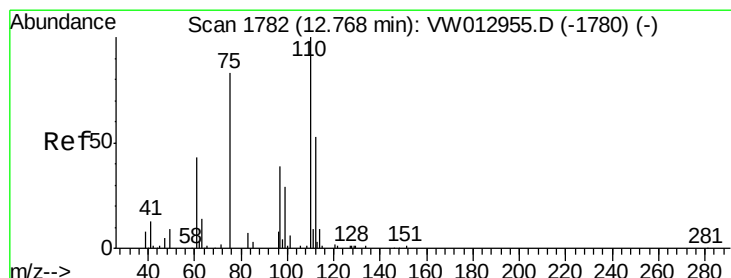
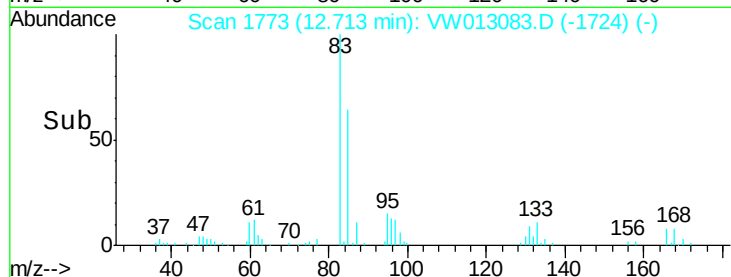
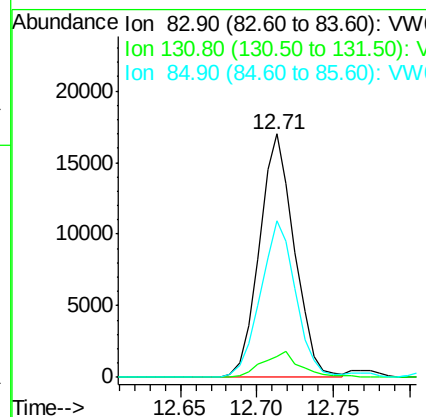
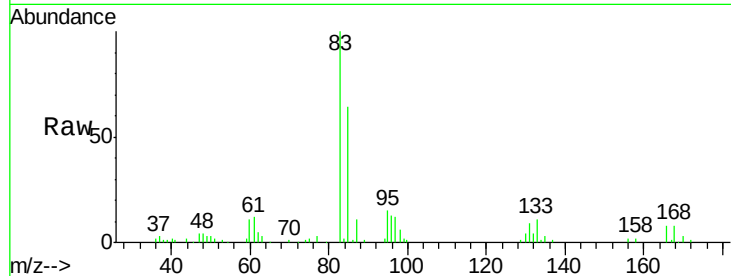
ClientSampleId :

SB-3C-(9)MS

Tot Ion:	83	Resp:	27020
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.7	17.1
85	65.0	31.4	94.3

Manual Integrations
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9/19/2019 1:27:24 AM



#76

1,2,3-Trichloropropane

Concen: 51.179 ug/l m

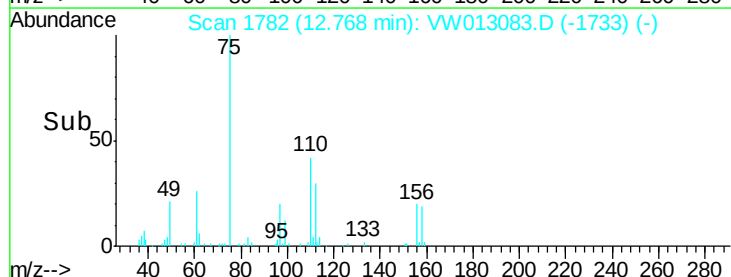
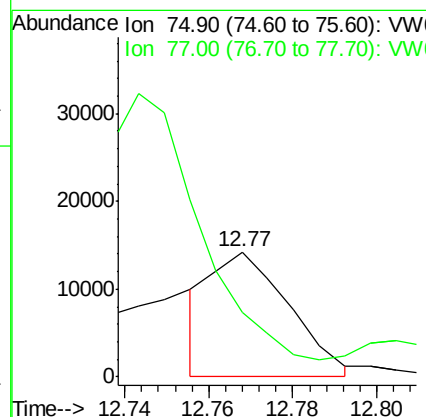
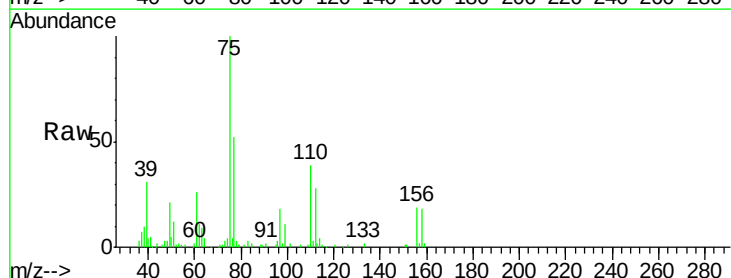
RT: 12.77 min Scan# 1782

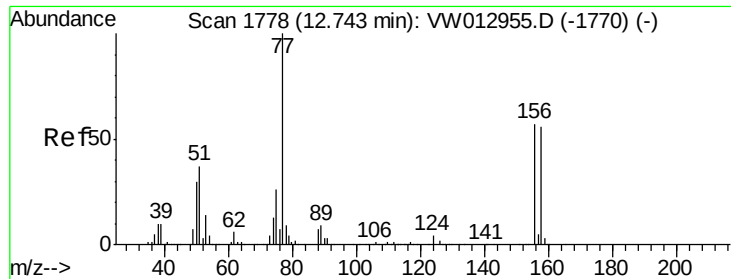
Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion:	75	Resp:	18290
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.112 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

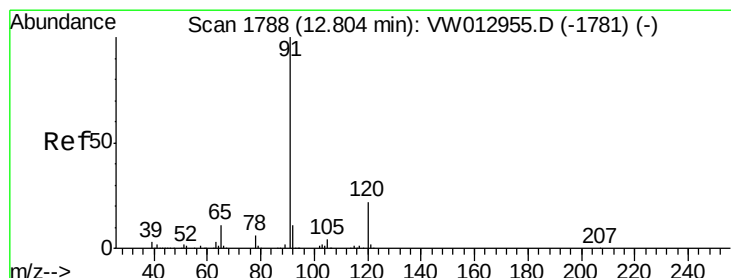
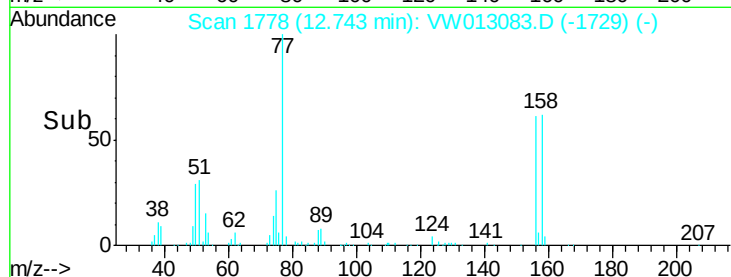
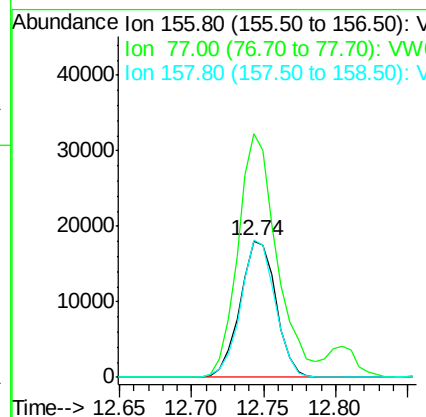
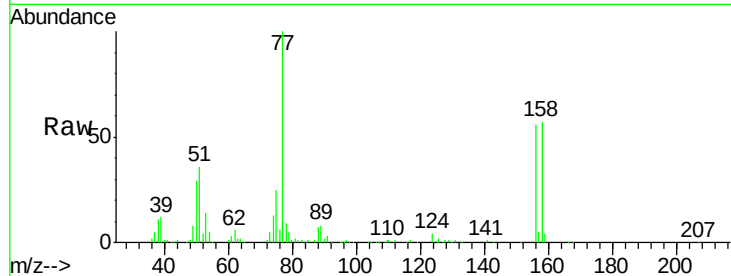
ClientSampleId :

SB-3C-(9)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	193.6	95.2	285.6		
158	96.6	49.0	147.2		

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#78

n-propylbenzene

Concen: 49.429 ug/l

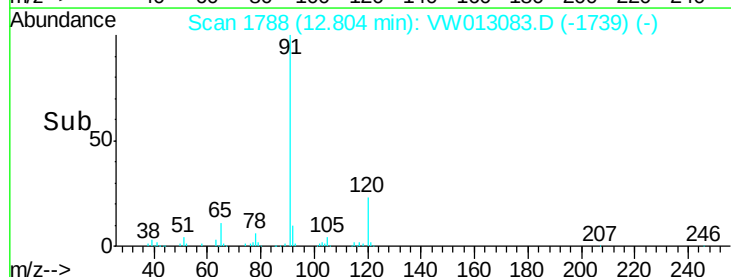
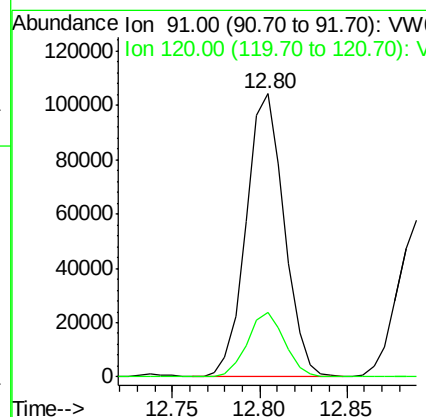
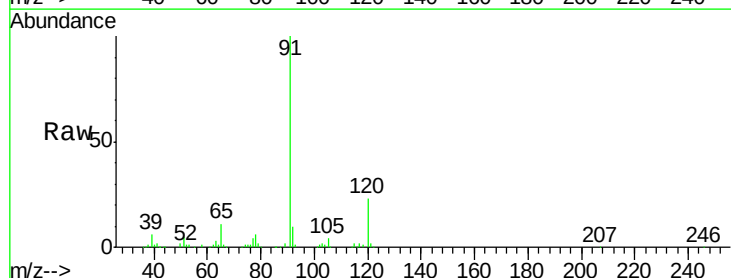
RT: 12.80 min Scan# 1788

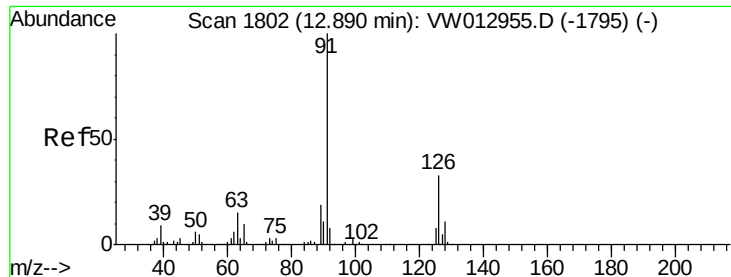
Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.4	11.2	33.5		





#79

2-Chlorotoluene

Concen: 50.817 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

SB-3C-(9)MS

Tot Ion: 91 Resp: 92928

Ion Ratio Lower Upper

91 100

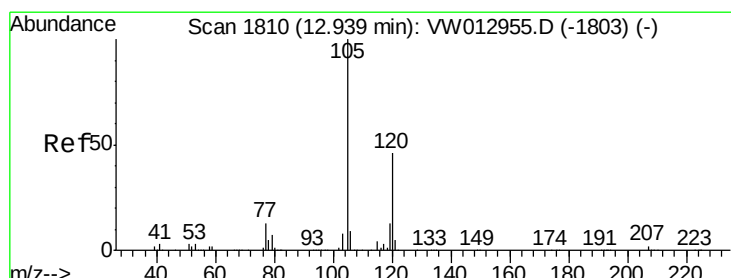
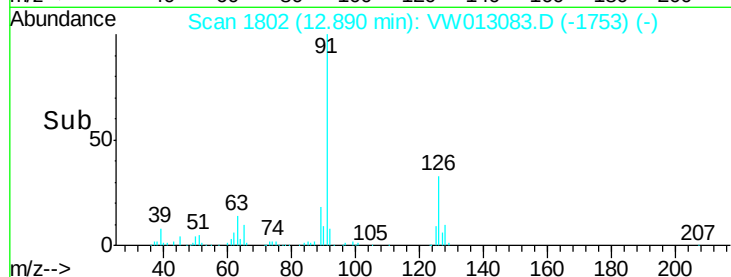
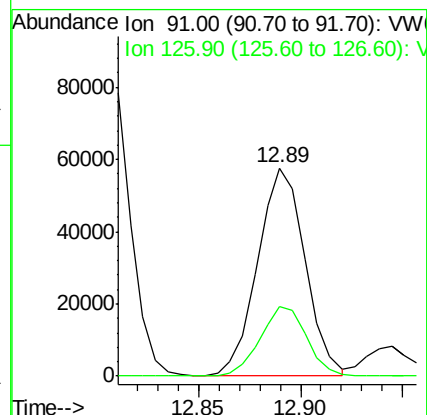
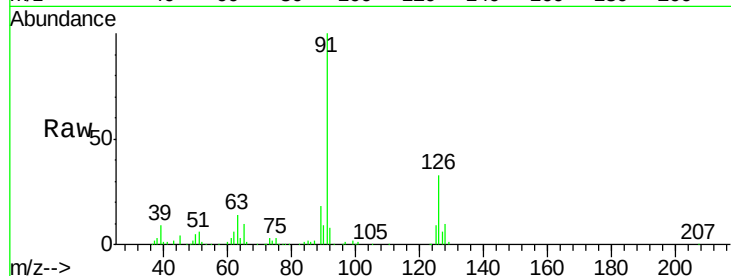
126 32.8 16.5 49.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.364 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013083.D

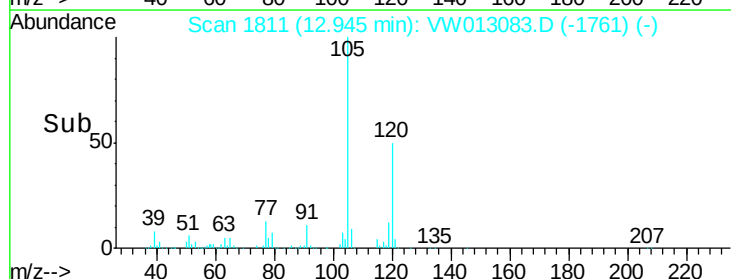
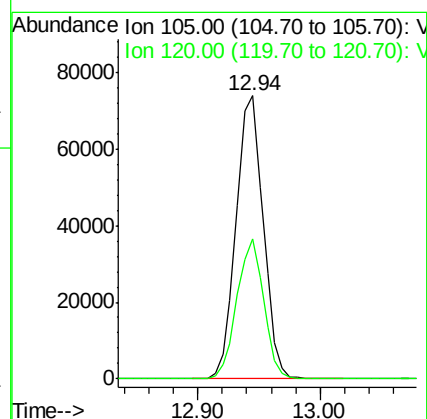
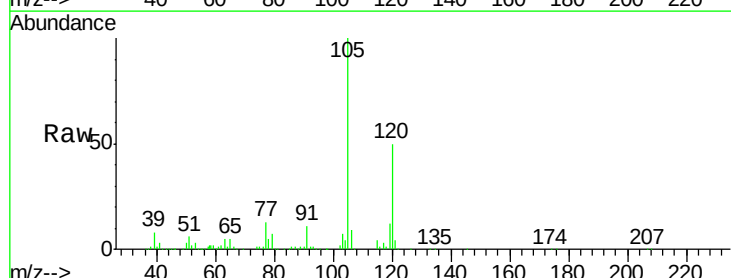
Acq: 17 Sep 2019 12:11

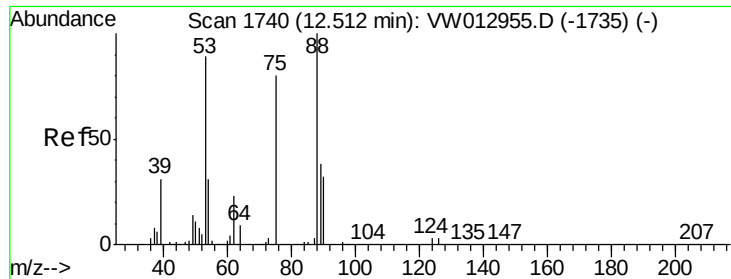
Tgt Ion: 105 Resp: 112937

Ion Ratio Lower Upper

105 100

120 48.9 24.2 72.6





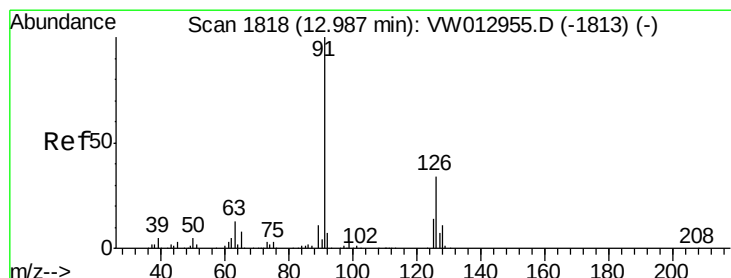
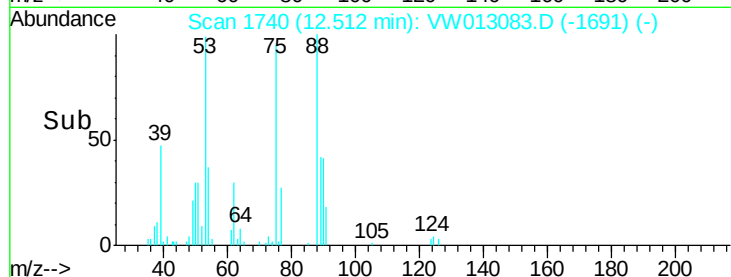
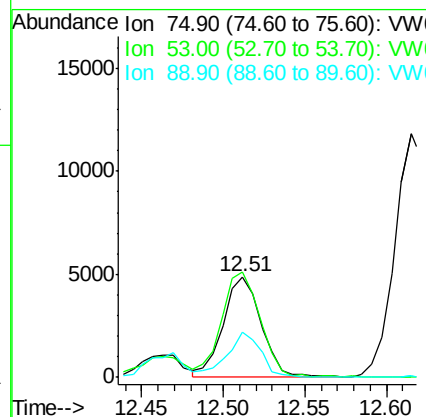
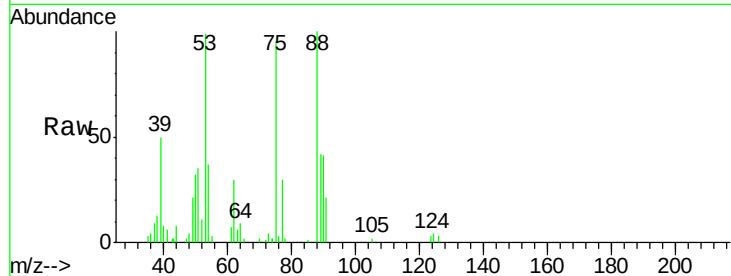
#81
trans-1,4-Dichloro-2-butene
Concen: 50.603 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.6	85.6	128.4
89	40.1	37.2	55.8

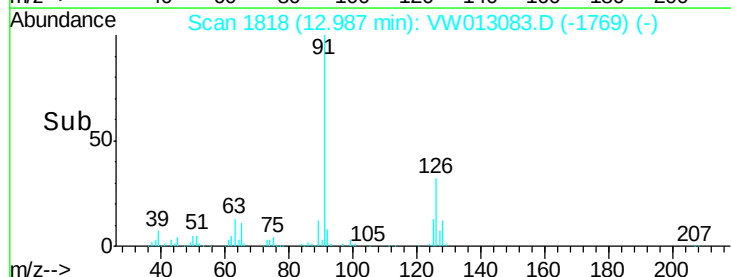
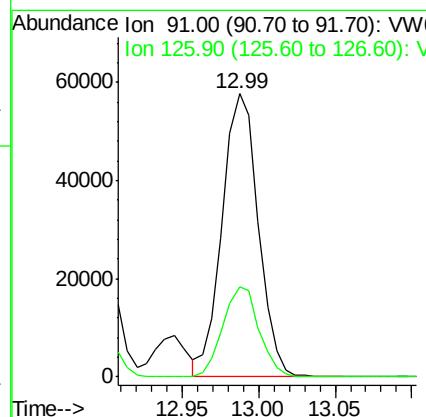
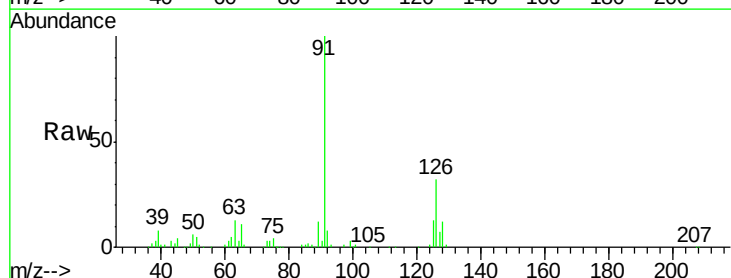
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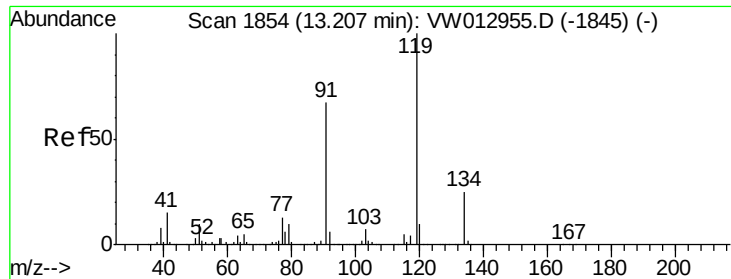
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#82
4-Chlorotoluene
Concen: 49.000 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.1	48.3





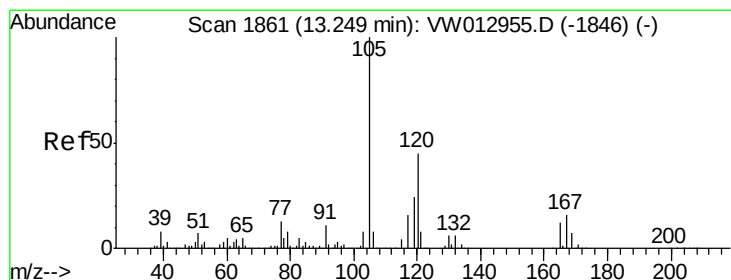
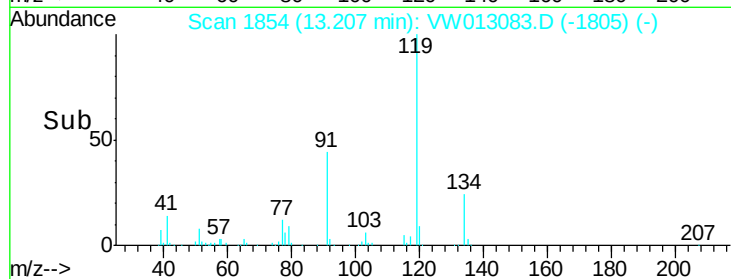
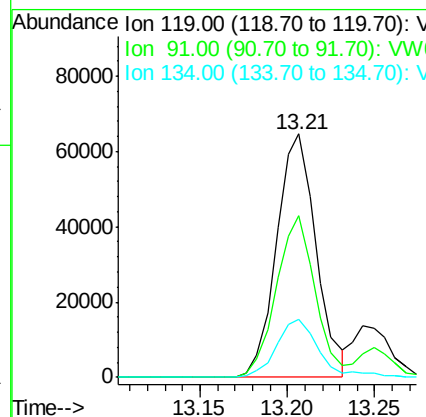
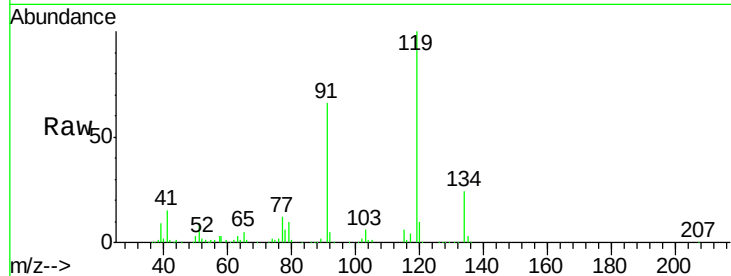
#83
 tert-Butylbenzene
 Concen: 49.974 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102268		
91	64.8		32.6	98.0
134	25.7		12.4	37.4

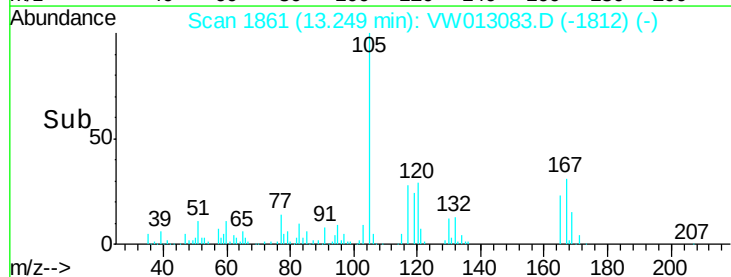
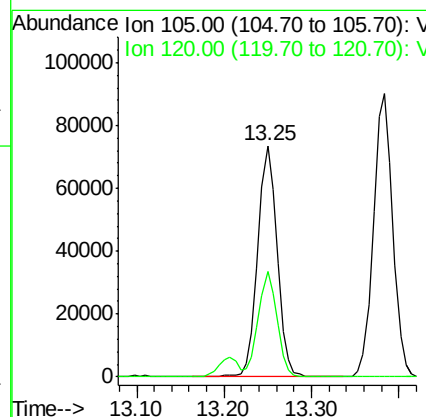
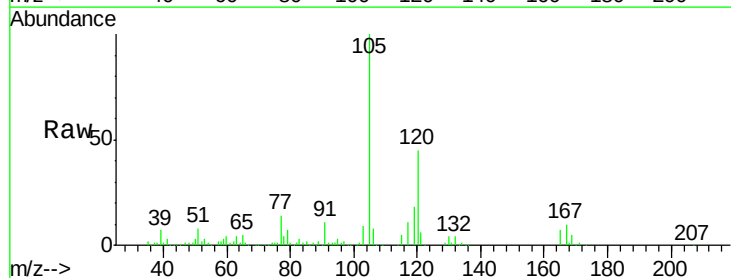
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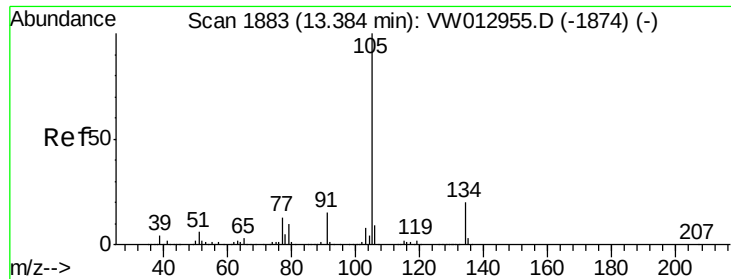
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.062 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	113179		
120	44.1		21.9	65.7





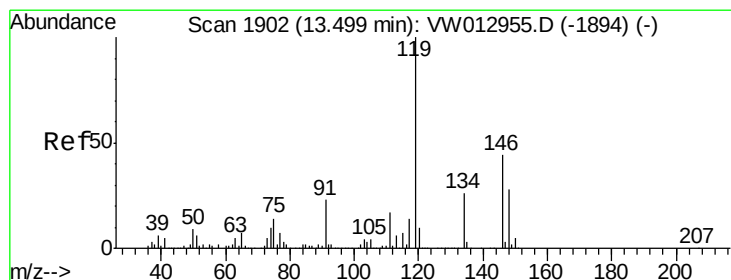
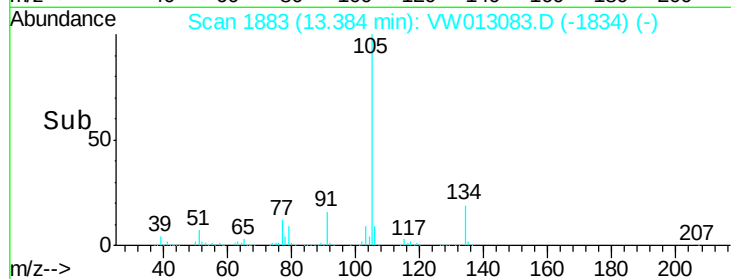
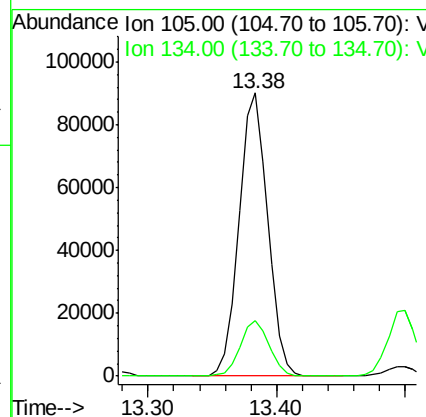
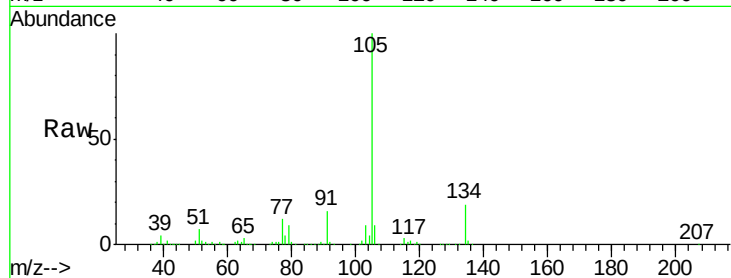
#85
 sec-Butylbenzene
 Concen: 49.851 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.2	30.4

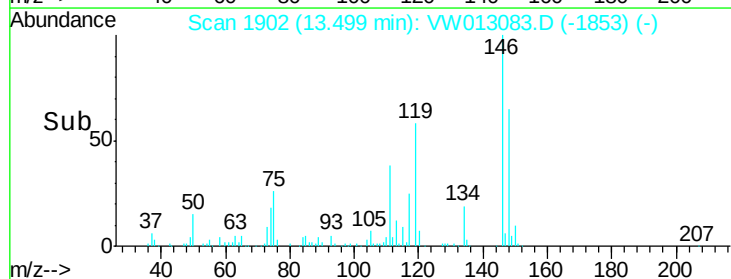
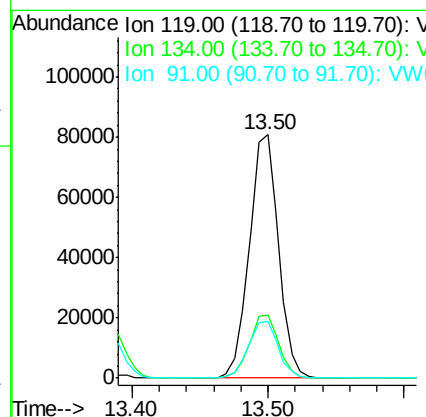
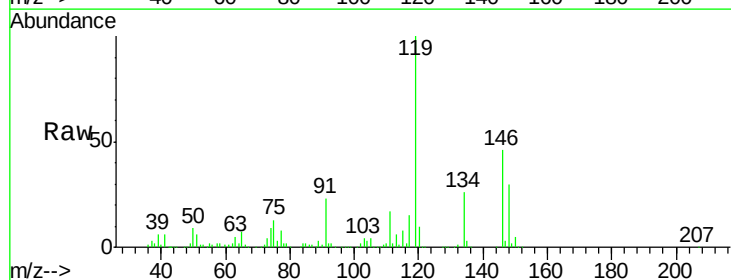
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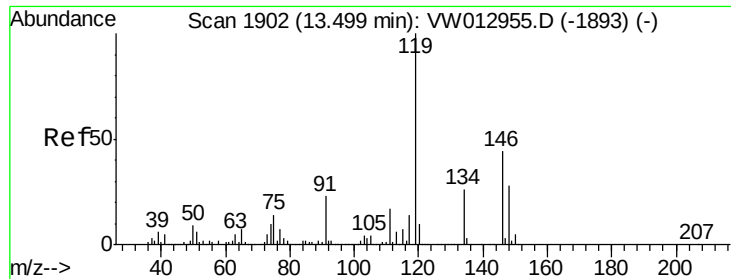
MMDadoda
 9/19/2019 1:27:24 AM



#86
 p-Isopropyltoluene
 Concen: 47.396 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.8	38.3
91	24.4	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 47.405 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

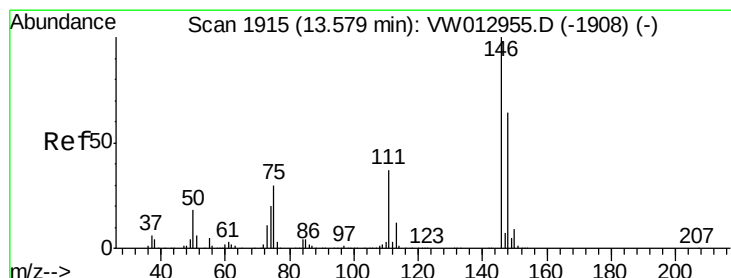
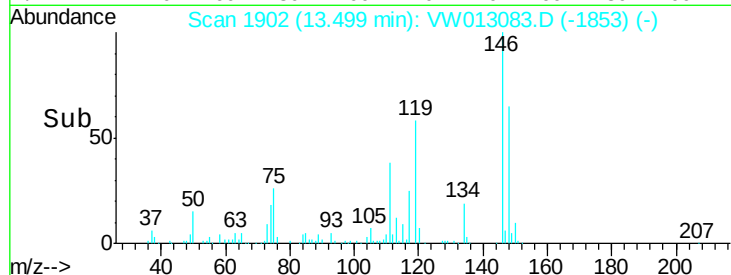
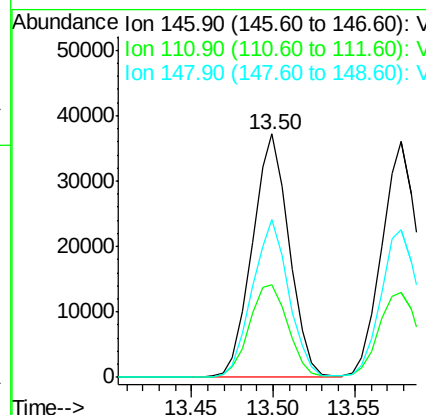
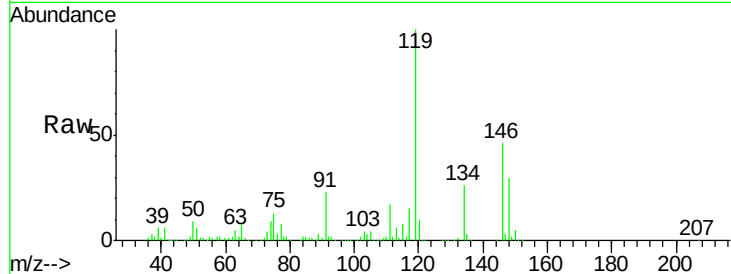
Instrument :
MSVOA_W

ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	58465		
111	40.6	19.8	59.4	
148	64.2	31.9	95.7	

Manual Integrations
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9/19/2019 1:27:24 AM



#88

1,4-Dichlorobenzene

Concen: 46.462 ug/l

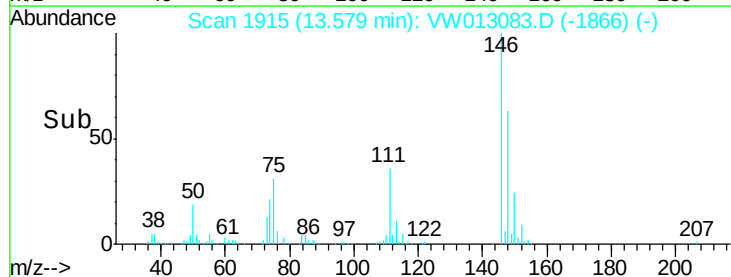
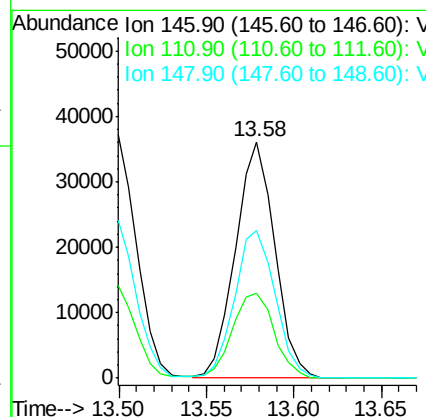
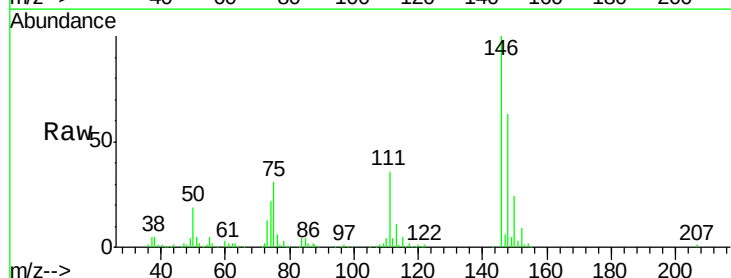
RT: 13.58 min Scan# 1915

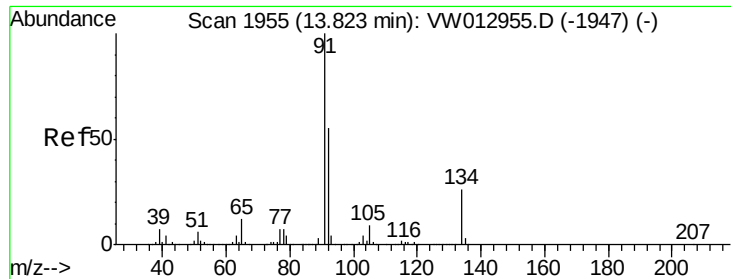
Delta R.T. 0.00 min

Lab File: VW013083.D

Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	56311		
111	38.5	19.4	58.2	
148	64.8	31.9	95.5	





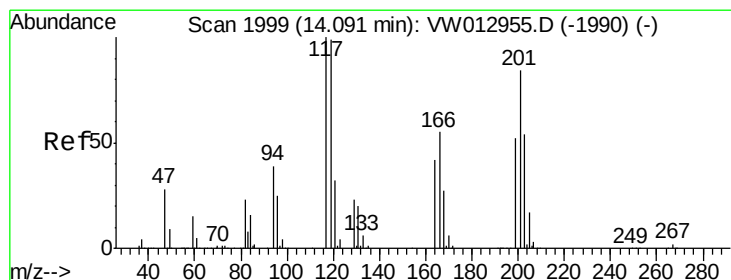
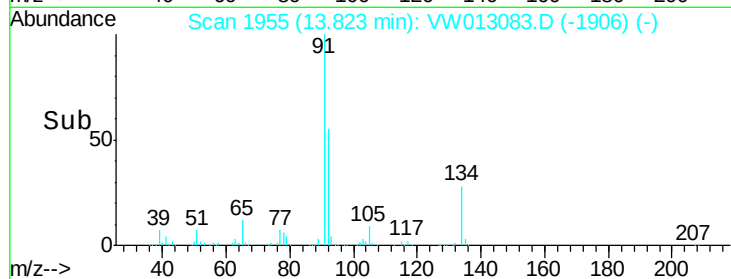
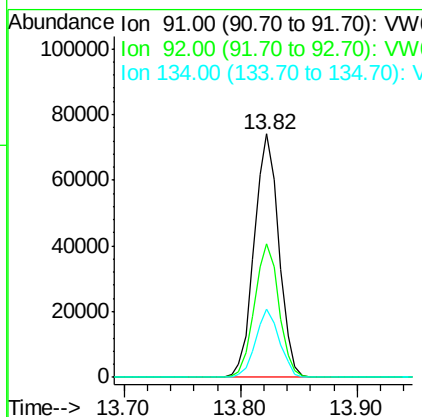
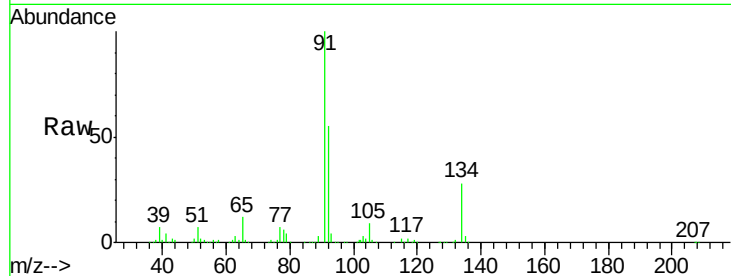
#89
n-Butylbenzene
Concen: 45.414 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.2	81.5	
134	27.1	13.1	39.1	

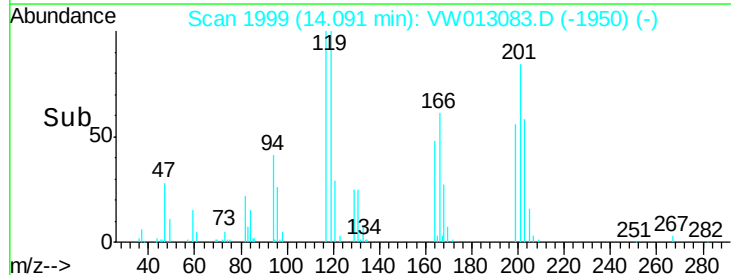
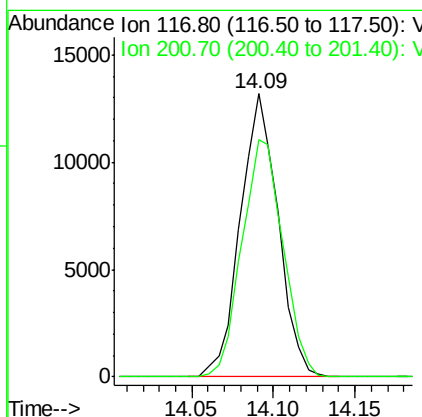
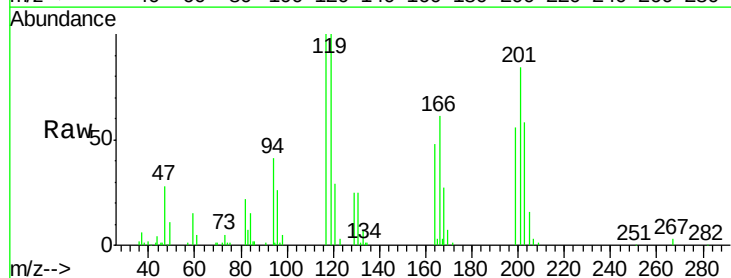
Manual Integrations
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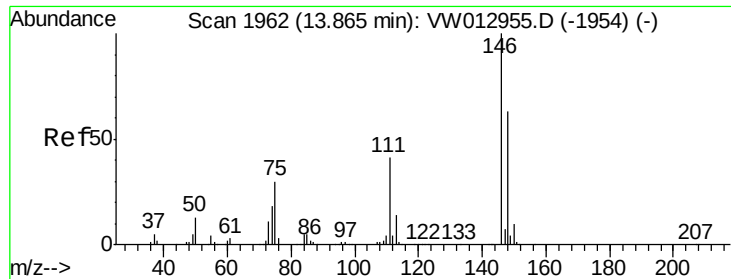
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#90
Hexachloroethane
Concen: 46.079 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	91.2	45.3	135.9	





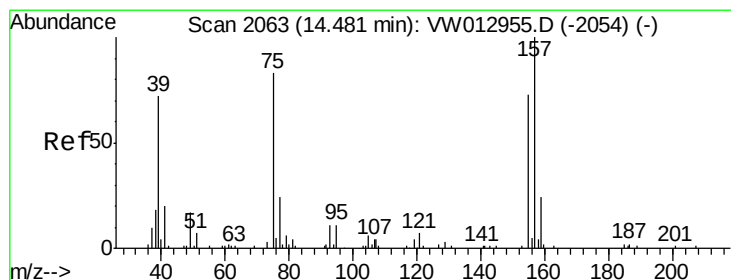
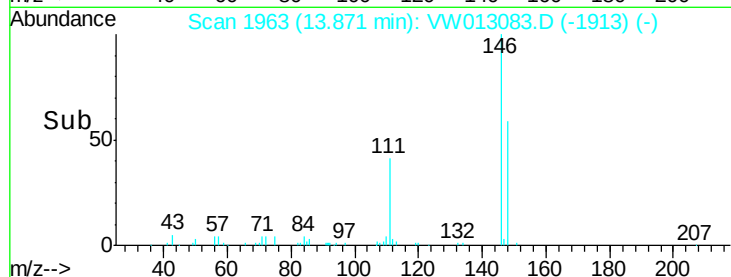
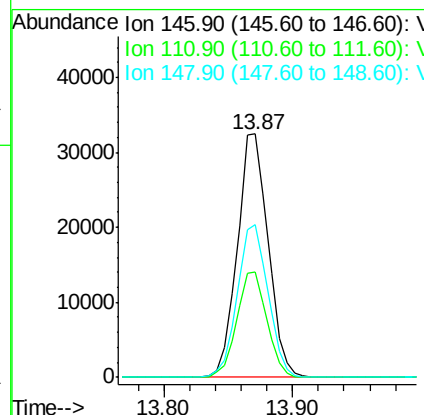
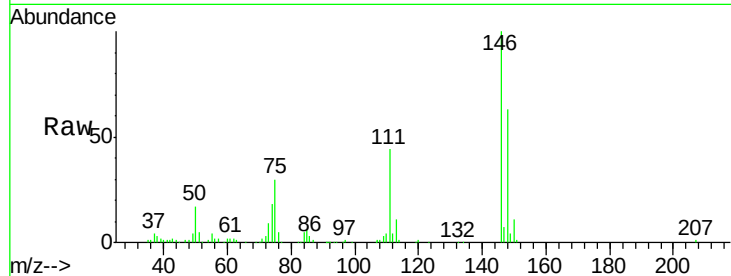
#91
 1,2-Dichlorobenzene
 Concen: 49.775 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.5
148	62.4	32.7	98.1

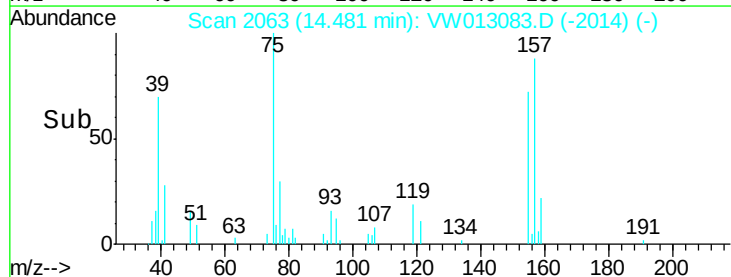
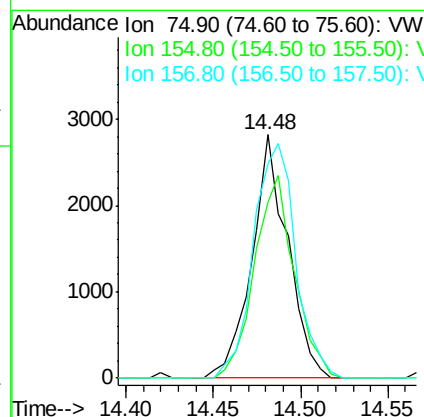
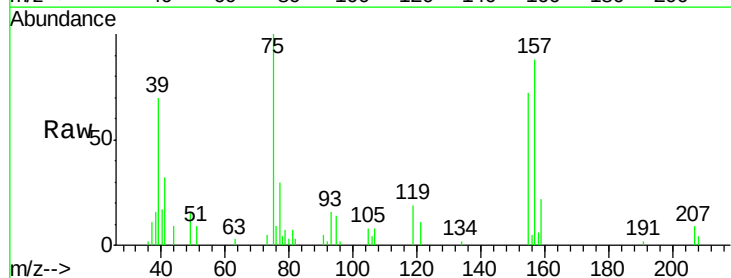
Manual Integrations
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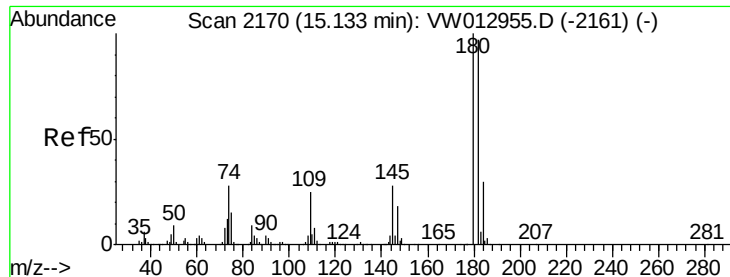
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.456 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	43.3	129.9
157	113.7	54.7	164.1





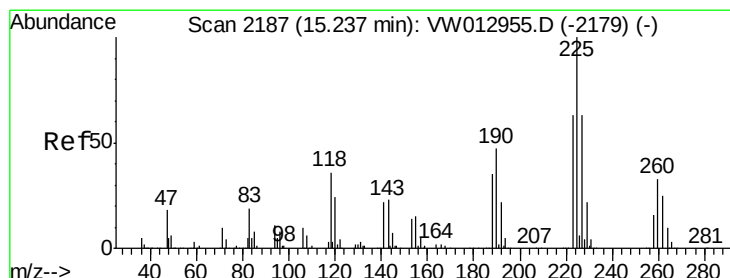
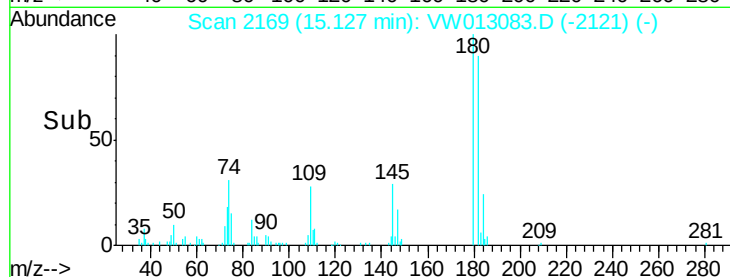
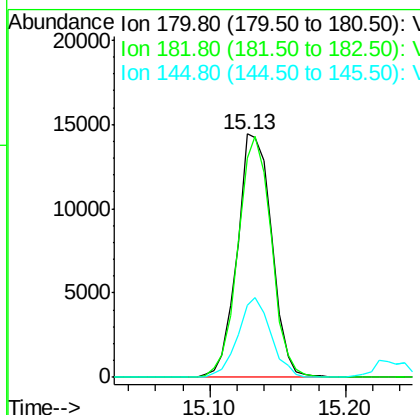
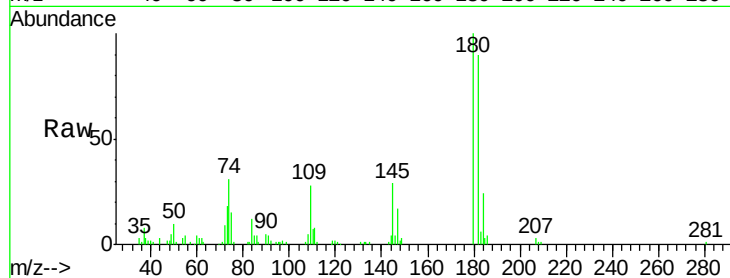
#93
 1,2,4-Trichlorobenzene
 Concen: 32.886 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25437		
182	95.8	47.4	142.2	
145	31.4	14.9	44.7	

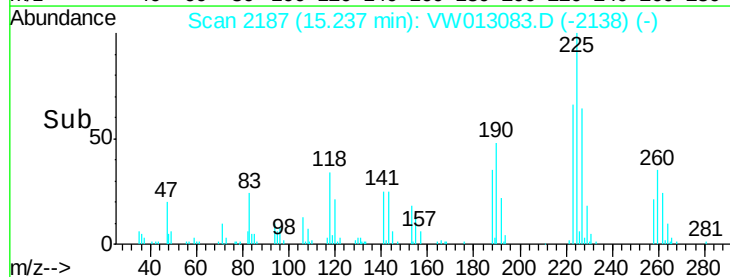
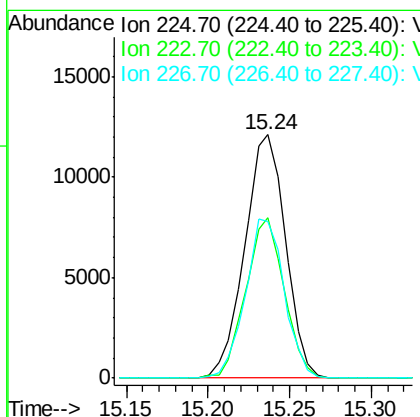
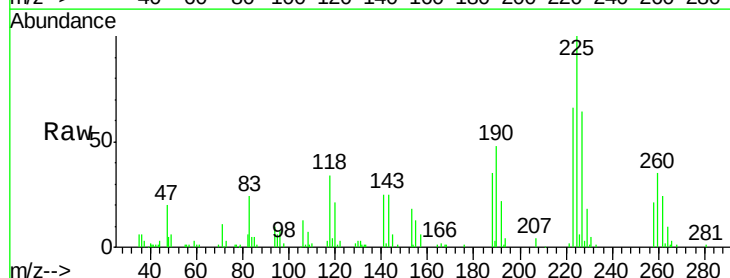
Manual Integrations
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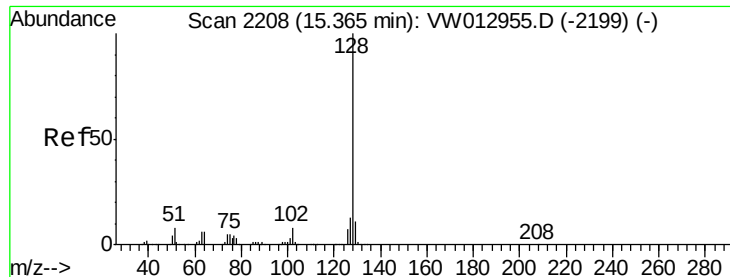
MMDadoda
 9/19/2019 1:27:24 AM



#94
 Hexachlorobutadiene
 Concen: 38.523 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013083.D
 Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21094		
223	62.1	31.8	95.3	
227	62.5	31.3	93.8	





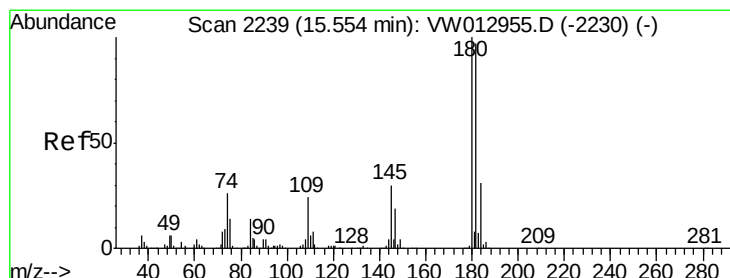
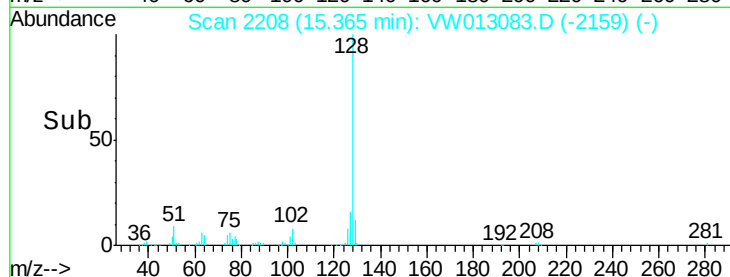
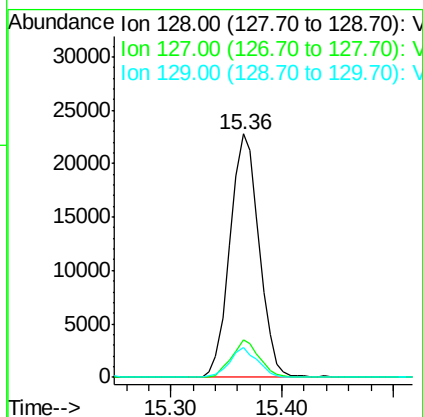
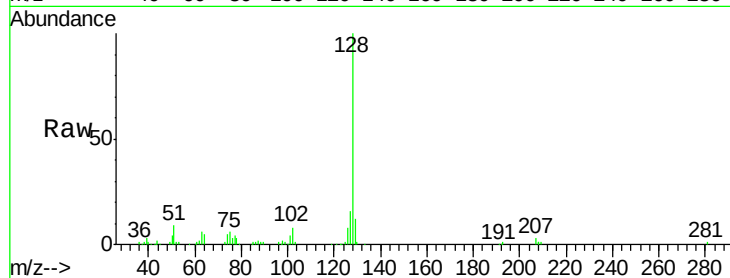
#95
Naphthalene
Concen: 31.901 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
SB-3C-(9)MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.0	16.6
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:27:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 33.714 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013083.D
Acq: 17 Sep 2019 12:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	31.6	15.4	46.2

