

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012353.D
 Acq On : 30 Aug 2019 16:33
 Operator : SY/VA
 Sample : K4620-06MSD
 Misc : 6.21G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:25 AM

Quant Time: Aug 30 18:00:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	171805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	277978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	225678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83509	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	117278	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	7.88	113	89475	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
50) Toluene-d8	10.32	98	343854	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.62	95	103968	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	61554	58.187	ug/l	98
3) Chloromethane	2.21	50	94011	57.361	ug/l	99
4) Vinyl Chloride	2.36	62	487582	243.062	ug/l	100
5) Bromomethane	2.77	94	60531	59.582	ug/l	94
6) Chloroethane	2.92	64	66868	59.090	ug/l	97
7) Trichlorofluoromethane	3.25	101	58107	57.688	ug/l	96
8) Diethyl Ether	3.68	74	59199	61.918	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	96123	56.142	ug/l	99
10) Methyl Iodide	4.27	142	130522	56.342	ug/l	99
11) Tert butyl alcohol	5.16	59	49262	400.807	ug/l	98
12) 1,1-Dichloroethene	4.04	96	111429	64.661	ug/l	98
13) Acrolein	3.89	56	21347	184.511	ug/l	93
14) Allyl chloride	4.67	41	169098	45.899	ug/l	98
15) Acrylonitrile	5.36	53	166268	350.853	ug/l	99
16) Acetone	4.12	43	193268	370.199	ug/l	99
17) Carbon Disulfide	4.39	76	290988	55.872	ug/l	100
18) Methyl Acetate	4.67	43	116630	90.197	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	186634	66.970	ug/l	99
20) Methylene Chloride	4.92	84	117339	59.454	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	120906	65.427	ug/l	97
22) Diisopropyl ether	6.31	45	412396	60.390	ug/l	98
23) Vinyl Acetate	6.25	43	1156629	275.218	ug/l	100
24) 1,1-Dichloroethane	6.21	63	240288	64.625	ug/l	99
25) 2-Butanone	7.17	43	259481	365.762	ug/l #	68
26) 2,2-Dichloropropane	7.17	77	117144	55.662	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	5184179	2625.719	ug/l	93
28) Bromochloromethane	7.51	49	92088	56.824	ug/l	99
29) Tetrahydrofuran	7.52	42	156450	367.576	ug/l	99
30) Chloroform	7.67	83	191074	56.169	ug/l	98
31) Cyclohexane	7.95	56	177275	48.190	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	151941	56.461	ug/l	100
36) 1,1-Dichloropropene	8.08	75	154595	53.817	ug/l	99
37) Ethyl Acetate	7.25	43	104886	66.631	ug/l #	83
38) Carbon Tetrachloride	8.07	117	132004	53.093	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	137195	42.513	ug/l	99
40) Benzene	8.32	78	437682	55.800	ug/l	99
41) Methacrylonitrile	7.48	41	72572	78.442	ug/l	88
42) 1,2-Dichloroethane	8.40	62	148826	60.540	ug/l	100
43) Isopropyl Acetate	8.42	43	197238	67.645	ug/l	98
44) Trichloroethene	9.09	130	108145	56.716	ug/l	97
45) 1,2-Dichloropropane	9.37	63	119793	56.747	ug/l	98
46) Dibromomethane	9.46	93	57168	60.866	ug/l	98
47) Bromodichloromethane	9.65	83	142663	57.071	ug/l	96
48) Methyl methacrylate	9.43	41	96292	69.386	ug/l	97
49) 1,4-Dioxane	9.45	88	20340	1414.584	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	521734	351.796	ug/l	100
52) Toluene	10.38	92	258135	54.781	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	149356	58.656	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	173126	56.310	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	81002	60.954	ug/l	97
56) Ethyl methacrylate	10.65	69	123283	63.741	ug/l	99
57) 1,3-Dichloropropane	10.93	76	152796	60.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	239340	241.117	ug/l	99
59) 2-Hexanone	10.97	43	350831	334.329	ug/l	100
60) Dibromochloromethane	11.13	129	87304	58.982	ug/l	99
61) 1,2-Dibromoethane	11.23	107	76045	61.423	ug/l	99
64) Tetrachloroethene	10.86	164	77003	52.629	ug/l	98
65) Chlorobenzene	11.66	112	239054	53.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	91750	59.184	ug/l	99
67) Ethyl Benzene	11.73	91	462981	54.085	ug/l	99
68) m/p-Xylenes	11.84	106	327538	106.223	ug/l	100
69) o-Xylene	12.16	106	153967	53.950	ug/l	99
70) Styrene	12.18	104	223098	45.164	ug/l	97
71) Bromoform	12.35	173	49821	64.503	ug/l #	98
73) Isopropylbenzene	12.46	105	402806	64.372	ug/l	99
74) N-amyl acetate	12.27	43	127633	67.511	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	96980	84.538	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68490m	84.211	ug/l	
77) Bromobenzene	12.74	156	90505	66.856	ug/l	97
78) n-propylbenzene	12.80	91	444955	58.247	ug/l	99
79) 2-Chlorotoluene	12.89	91	260994	60.178	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	308858	59.070	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	28407	76.579	ug/l	99
82) 4-Chlorotoluene	12.99	91	267862	58.985	ug/l	99
83) tert-Butylbenzene	13.21	119	258452	58.353	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	307471	58.539	ug/l	99
85) sec-Butylbenzene	13.38	105	320940	50.577	ug/l	100
86) p-Isopropyltoluene	13.50	119	286659	50.584	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	138453	52.289	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	138723	52.764	ug/l	99
89) n-Butylbenzene	13.82	91	229017	40.639	ug/l	100
90) Hexachloroethane	14.09	117	46146	46.413	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	127235	54.775	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16144	83.477	ug/l	97

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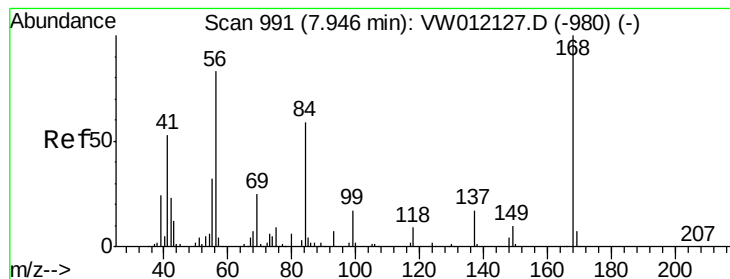
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	48855	30.435	ug/l	100
94) Hexachlorobutadiene	15.24	225	26084	24.609	ug/l	96
95) Naphthalene	15.36	128	137979	44.340	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	42508	30.351	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion:168 Resp: 171805

Ion Ratio Lower Upper

168 100

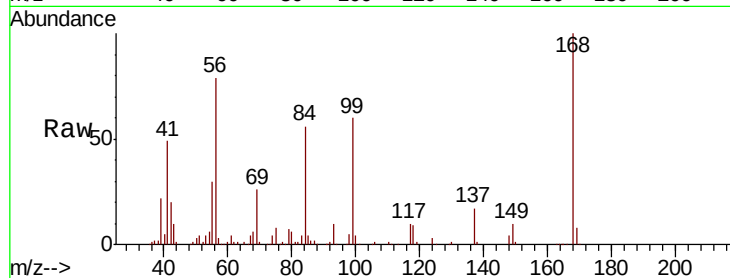
99 60.2 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

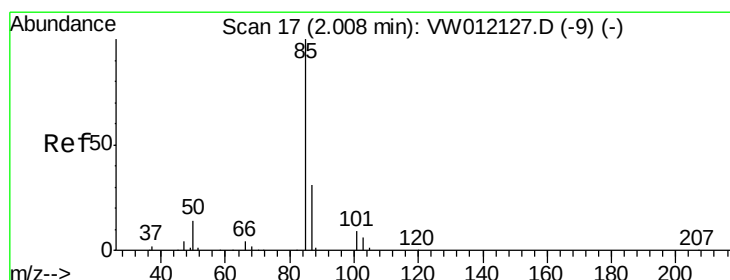
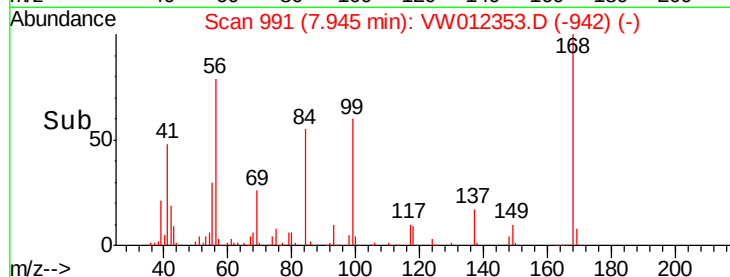
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 58.187 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012353.D

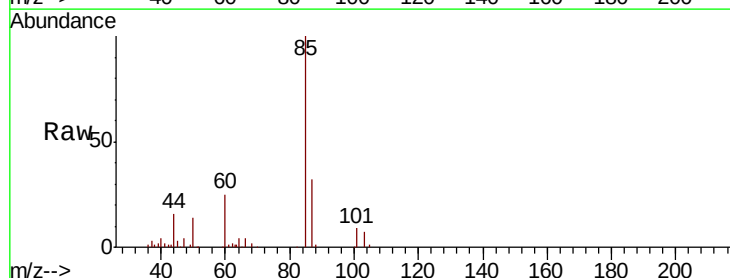
Acq: 30 Aug 2019 16:33

Tgt Ion: 85 Resp: 61554

Ion Ratio Lower Upper

85 100

87 32.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

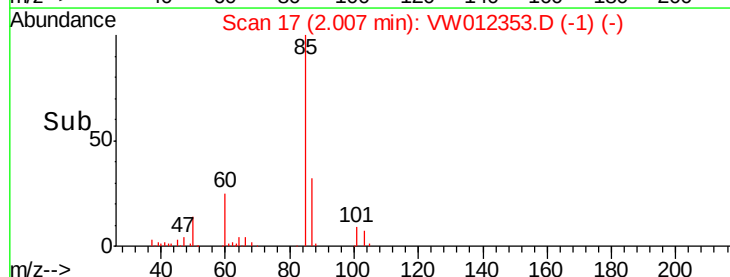
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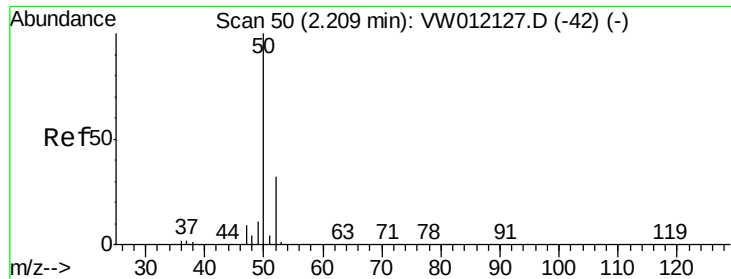
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 57.361 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

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ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion: 50 Resp: 94011

Ion Ratio Lower Upper

50 100

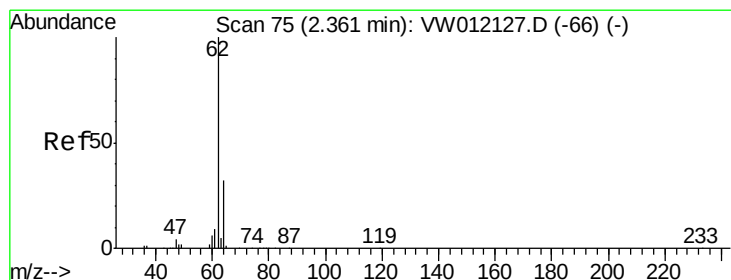
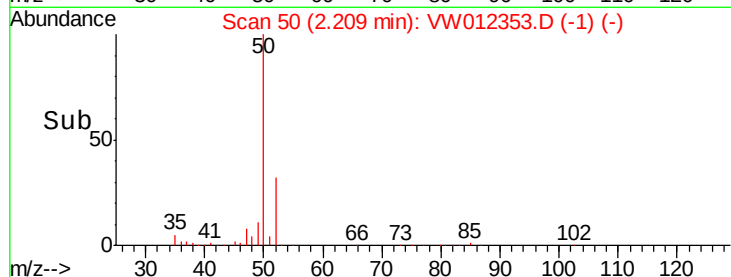
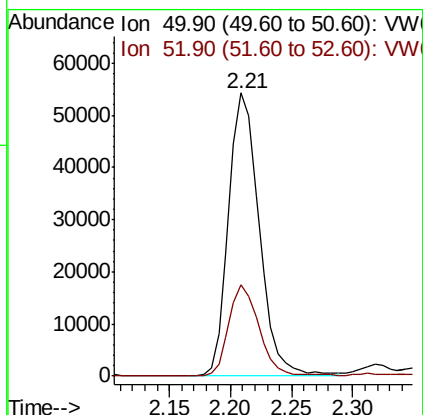
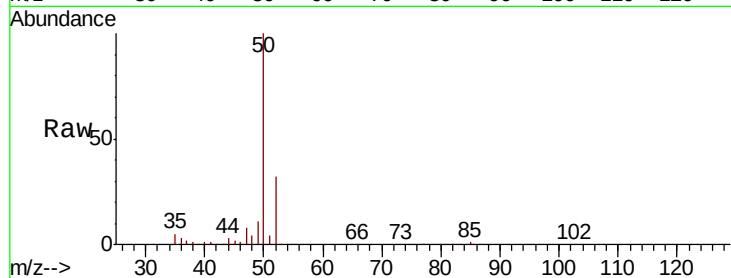
52 32.3 25.5 38.3

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#4

Vinyl Chloride

Concen: 243.062 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012353.D

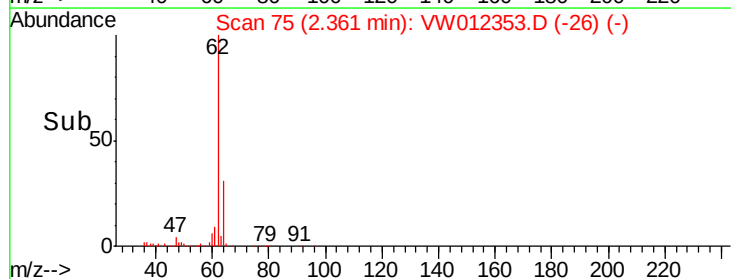
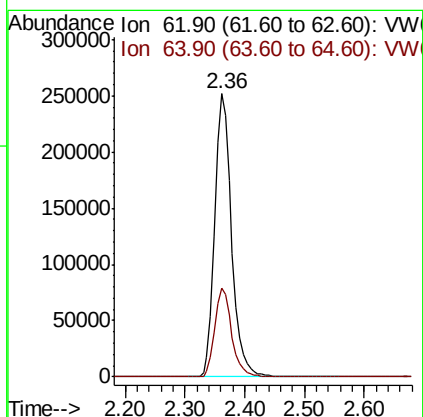
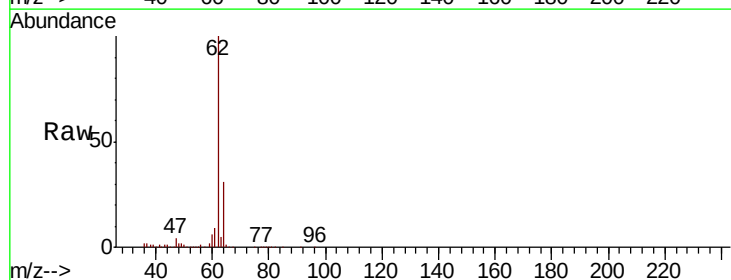
Acq: 30 Aug 2019 16:33

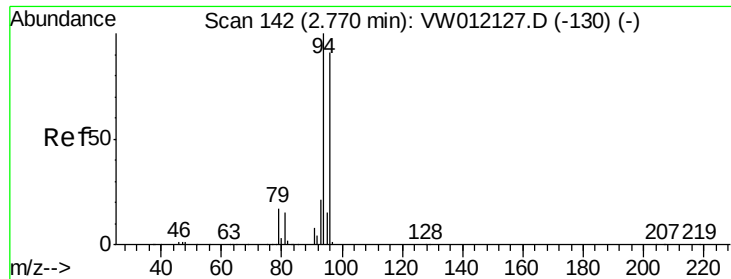
Tgt Ion: 62 Resp: 487582

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 59.582 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012353.D

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Tot Ion: 94 Resp: 60531

Ion Ratio Lower Upper

94 100

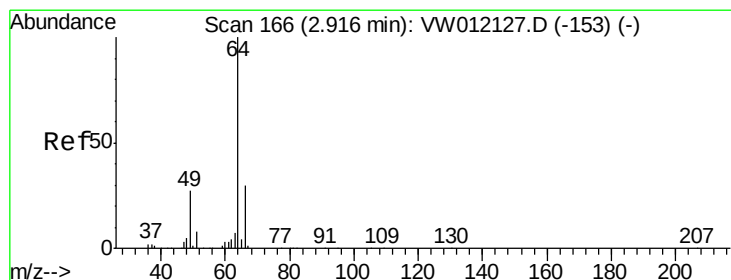
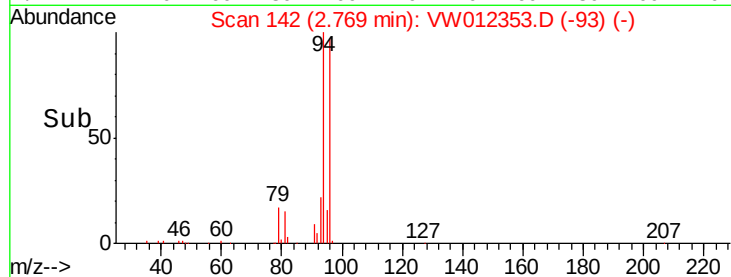
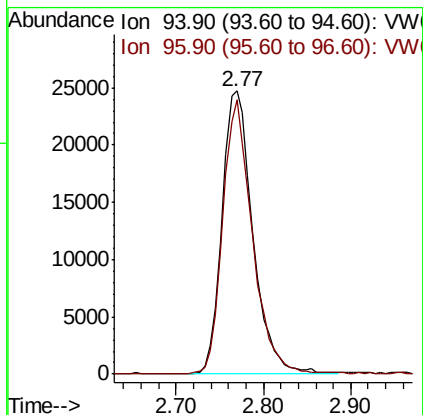
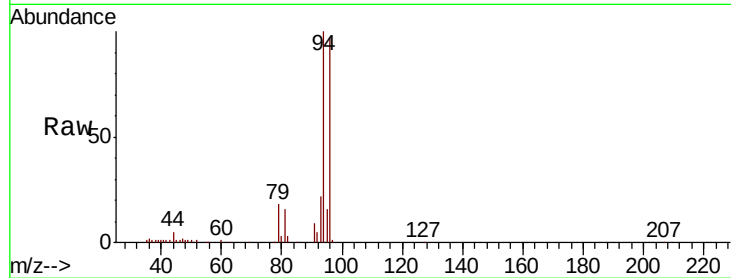
96 96.7 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 59.090 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012353.D

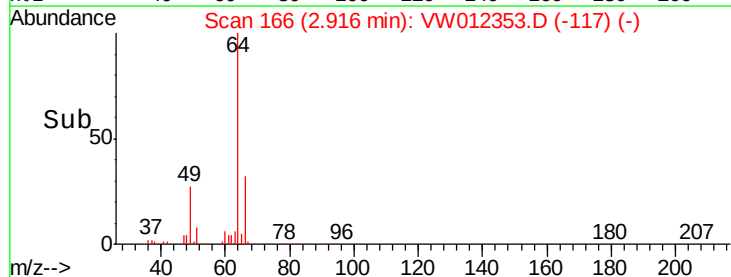
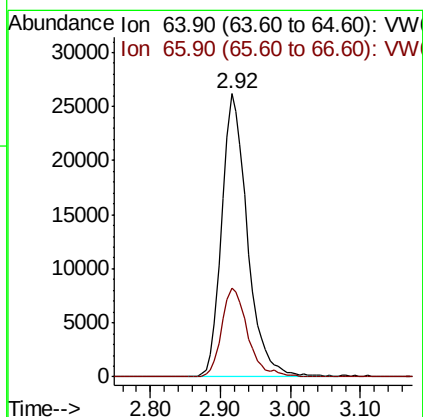
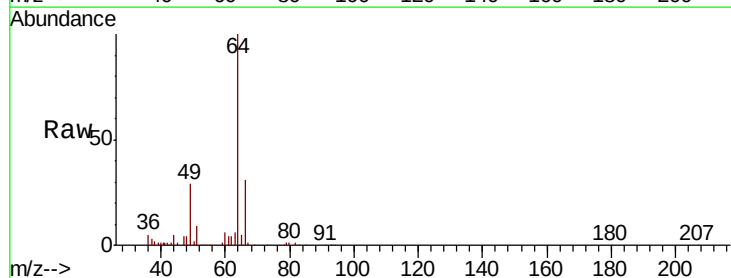
Acq: 30 Aug 2019 16:33

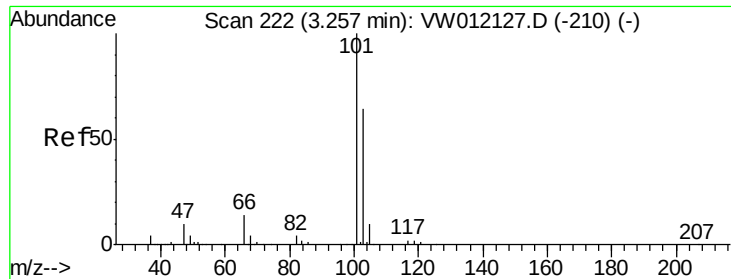
Tgt Ion: 64 Resp: 66868

Ion Ratio Lower Upper

64 100

66 31.4 23.8 35.8





#7

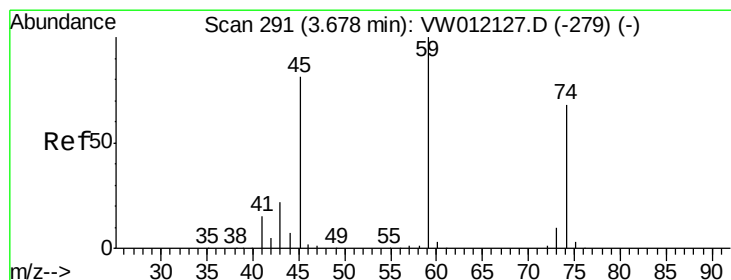
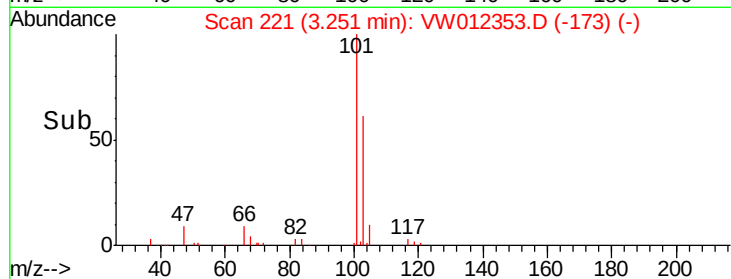
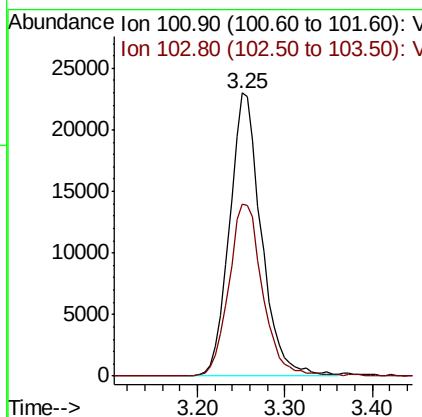
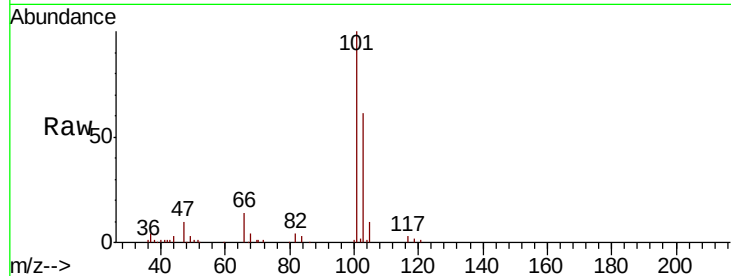
Trichlorofluoromethane
Concen: 57.688 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.2	76.8

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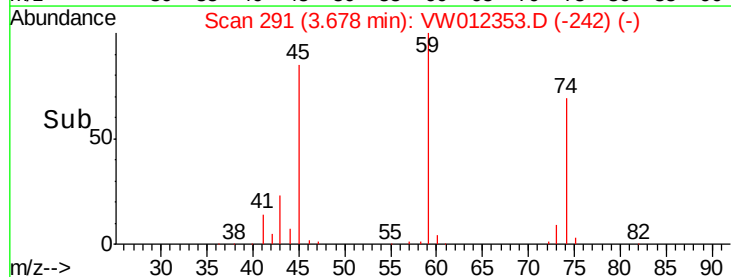
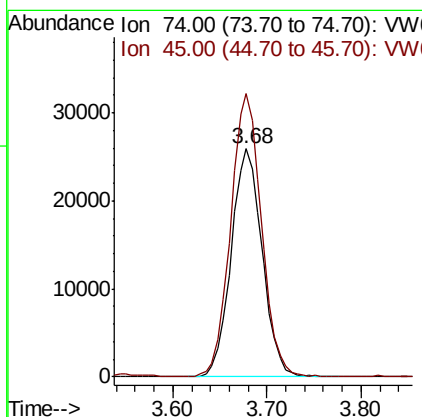
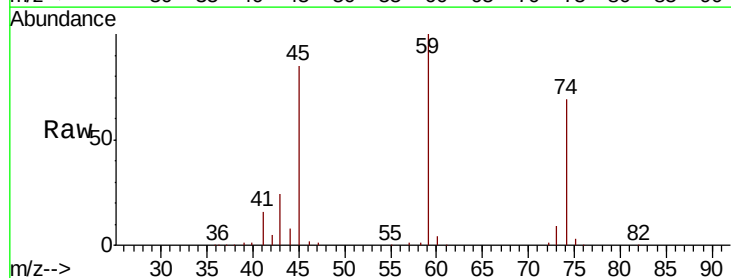
MMDadoda
8/31/2019 9:11:25 AM

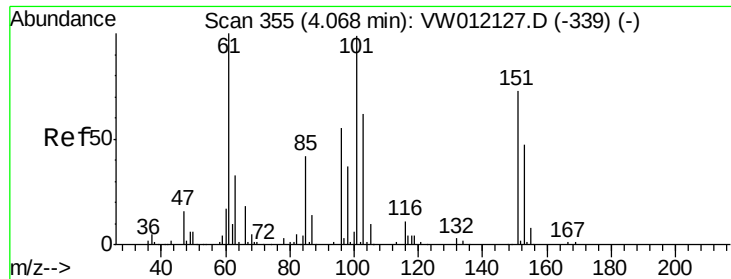


#8

Diethyl Ether
Concen: 61.918 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.4	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.142 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

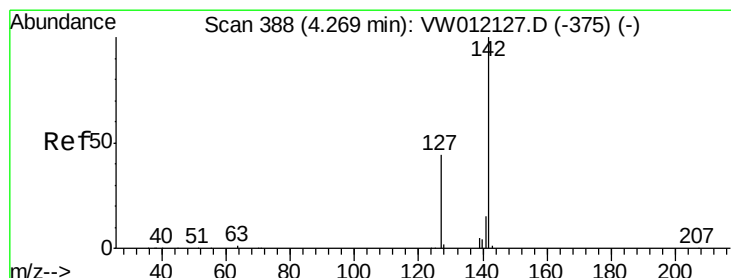
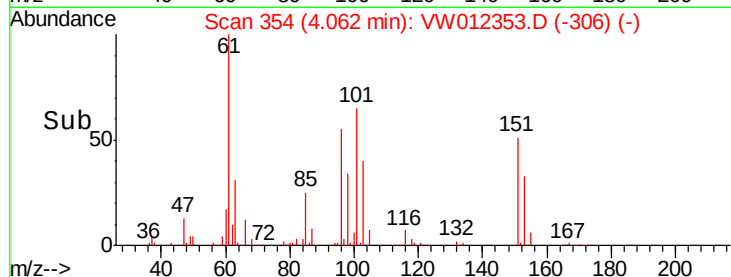
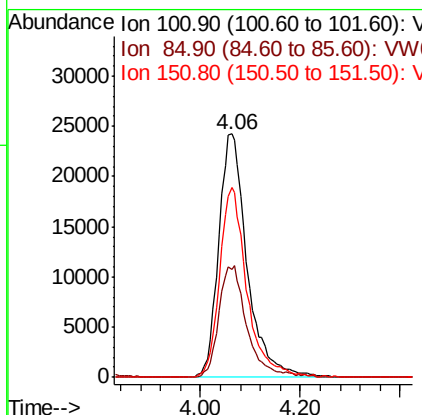
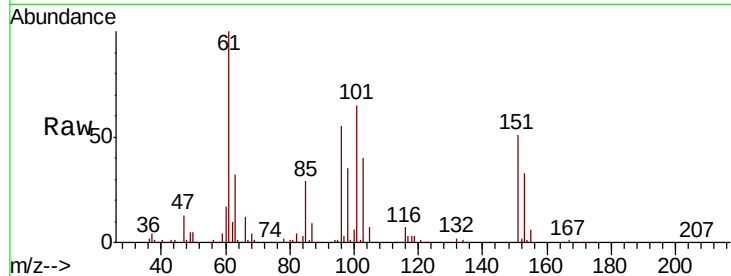
ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion:	101	Resp:	96123
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.8	53.6
151	74.7	58.6	87.8

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#10

Methyl Iodide

Concen: 56.342 ug/l

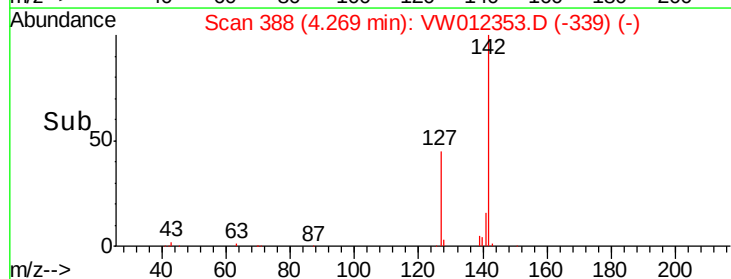
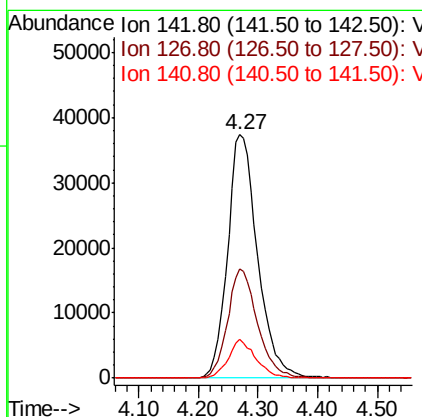
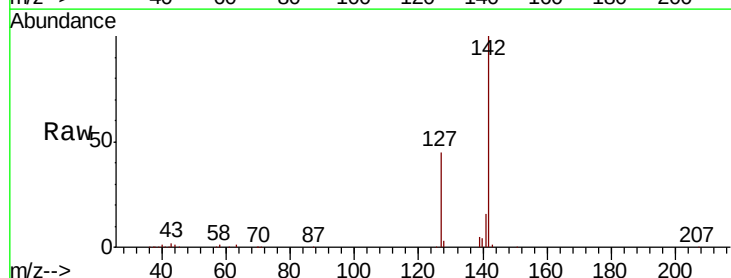
RT: 4.27 min Scan# 388

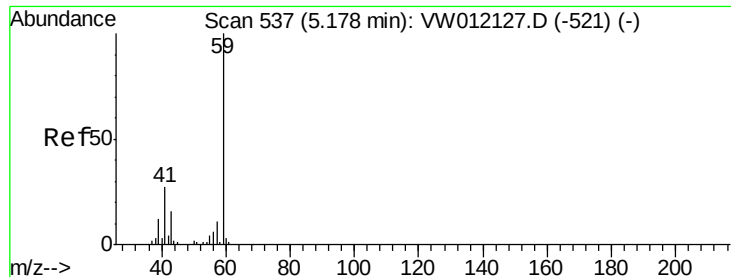
Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Tgt Ion:	142	Resp:	130522
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.5	53.3
141	14.6	11.8	17.8





#11

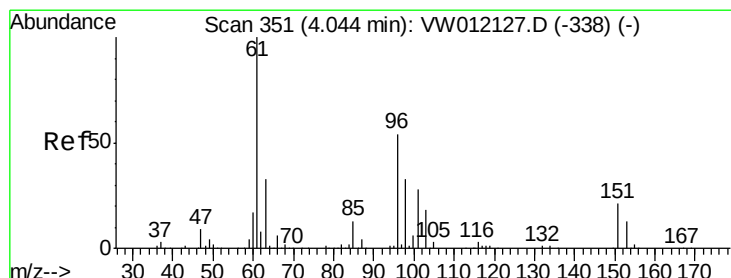
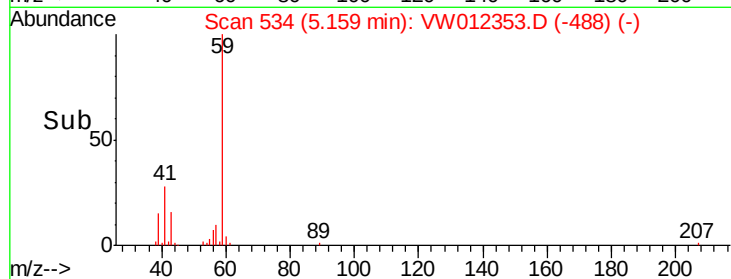
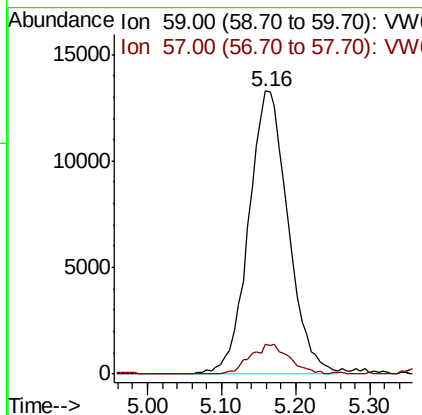
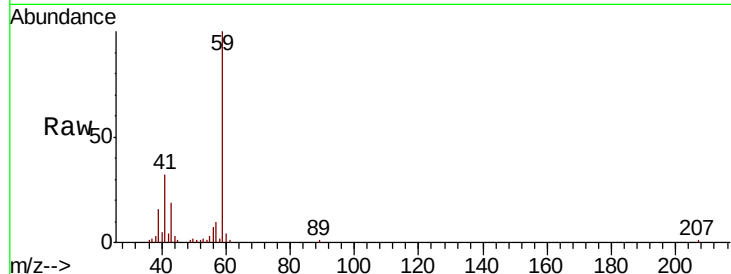
Tert butyl alcohol
Concen: 400.807 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.4

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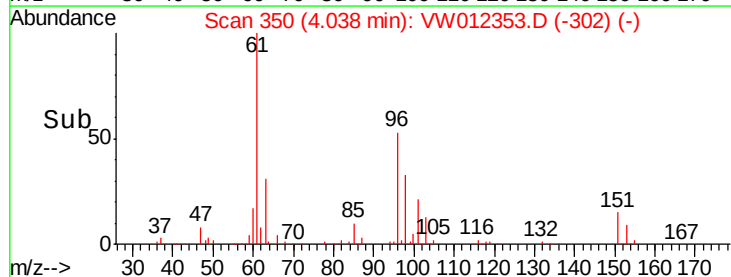
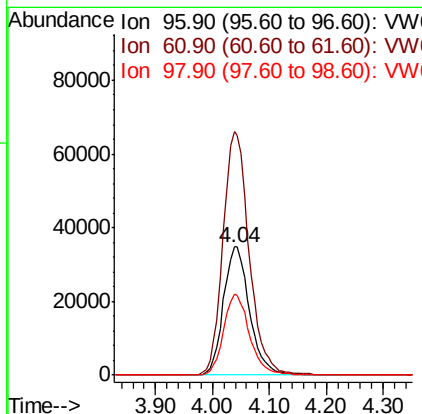
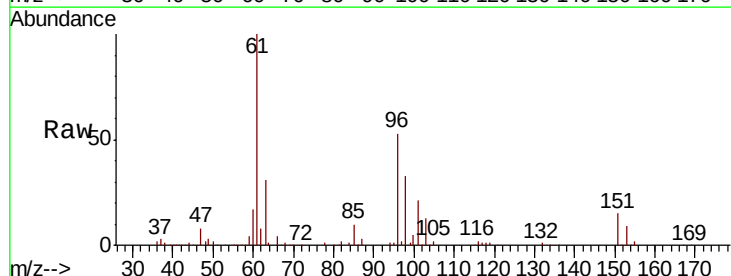
MMDadoda
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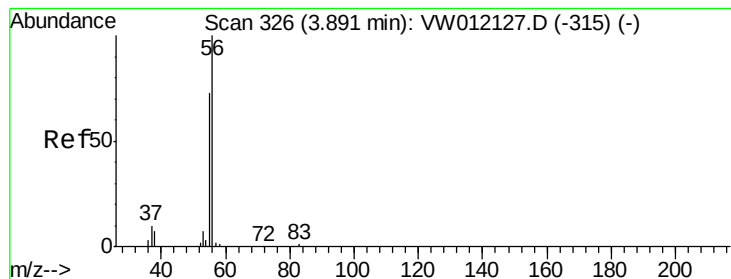


#12

1,1-Dichloroethene
Concen: 64.661 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.1	149.1	223.7
98	63.0	49.4	74.2





#13

Acrolein

Concen: 184.511 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion: 56 Resp: 21347

Ion Ratio Lower Upper

56 100

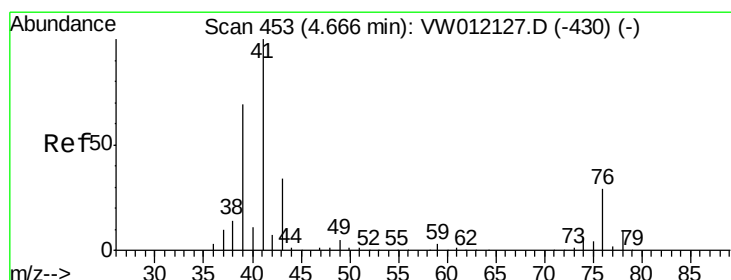
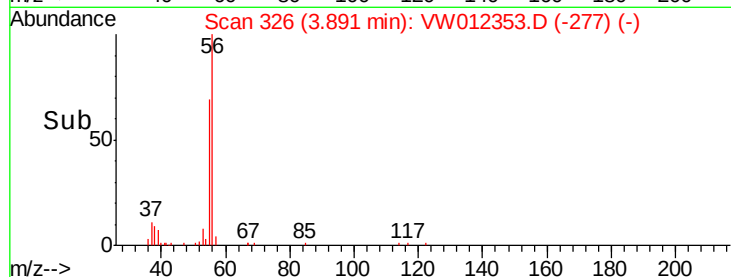
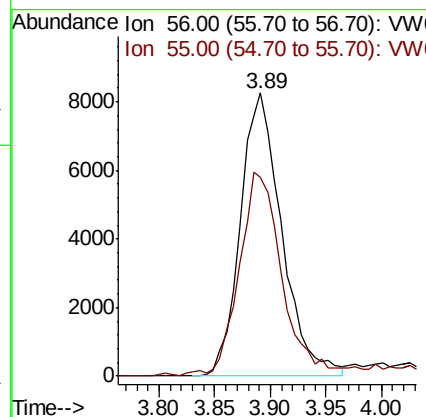
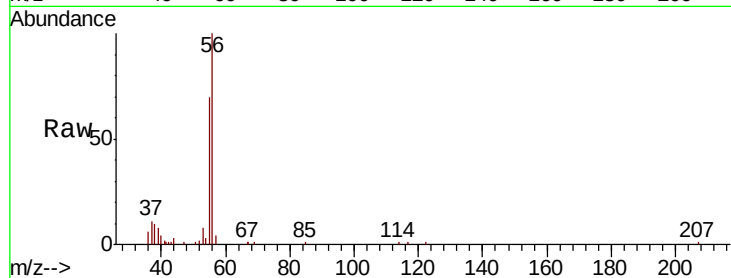
55 75.5 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 45.899 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

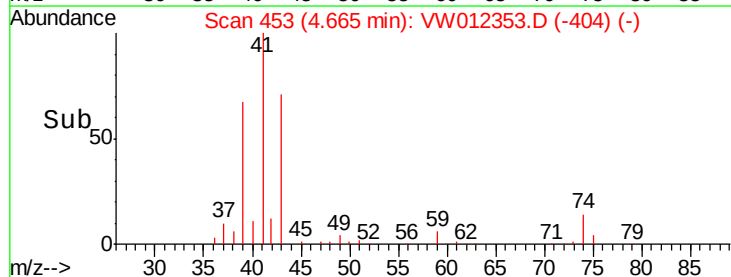
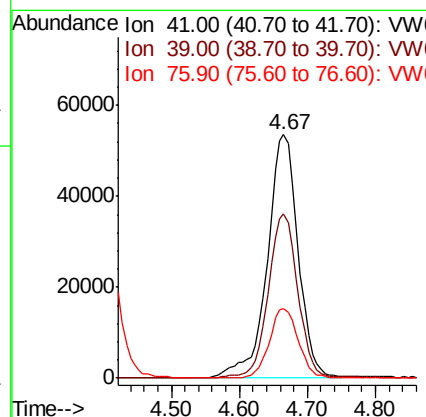
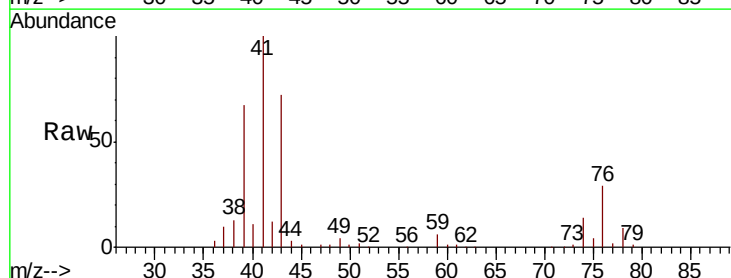
Tgt Ion: 41 Resp: 169098

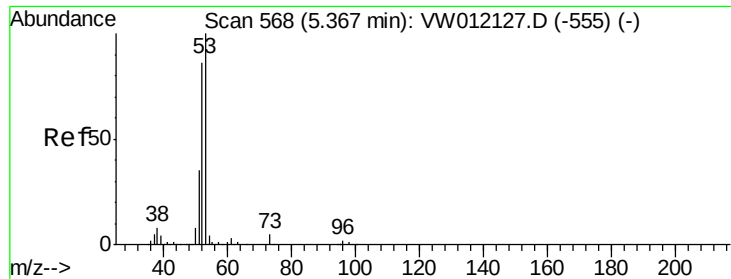
Ion Ratio Lower Upper

41 100

39 65.0 53.4 80.2

76 26.9 22.1 33.1





#15

Acrylonitrile

Concen: 350.853 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

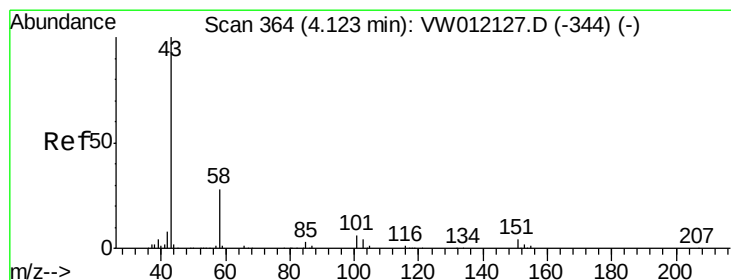
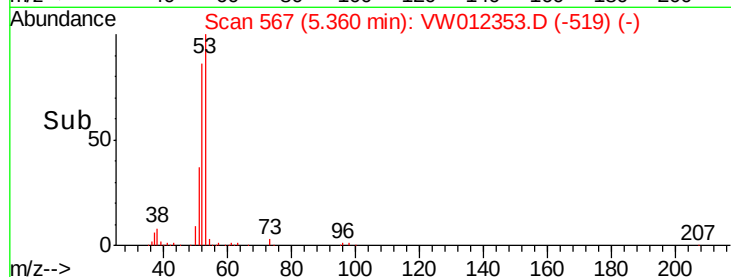
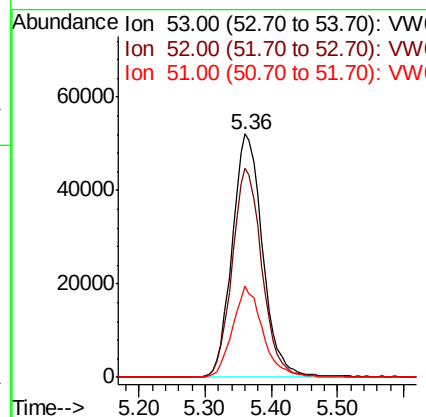
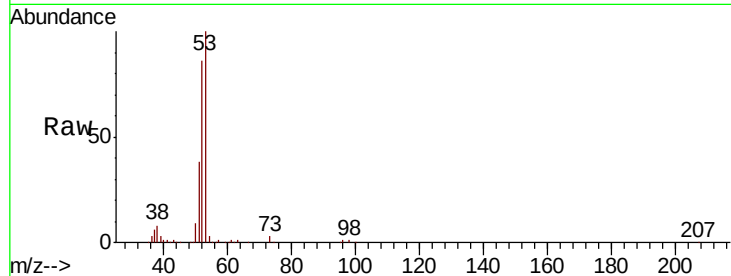
ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion:	53	Resp:	166268
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.7	100.1
51	37.1	30.1	45.1

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#16

Acetone

Concen: 370.199 ug/l

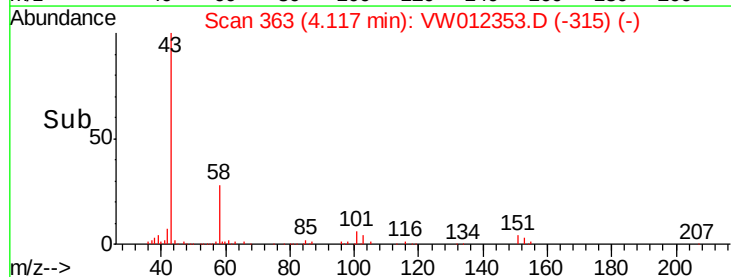
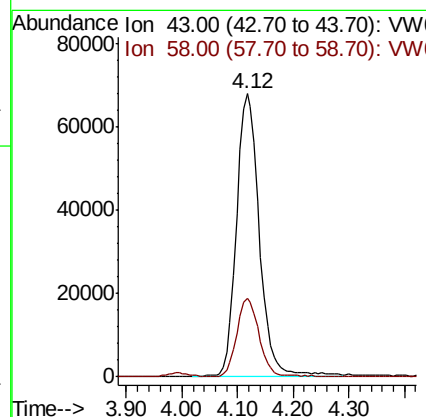
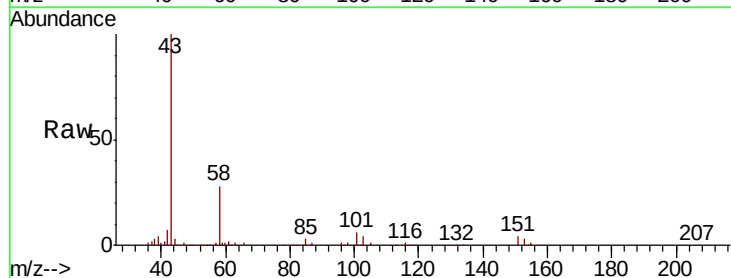
RT: 4.12 min Scan# 363

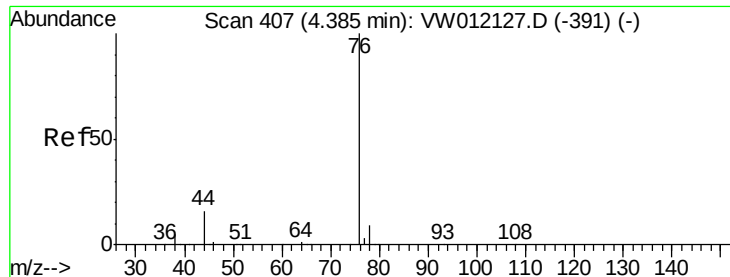
Delta R.T. -0.01 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Tgt Ion:	43	Resp:	193268
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.4	33.6





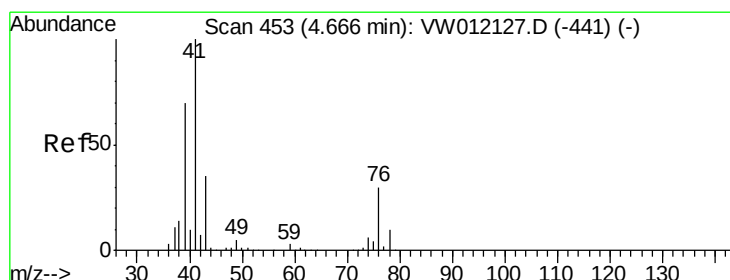
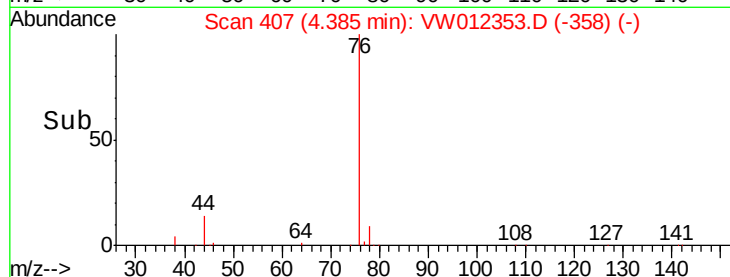
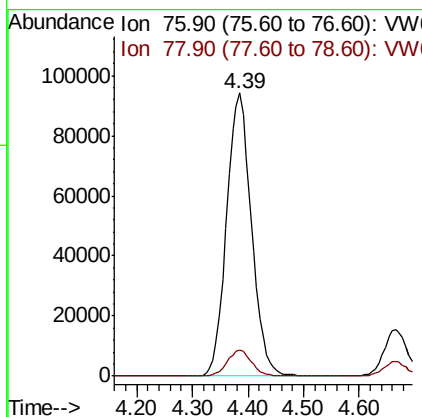
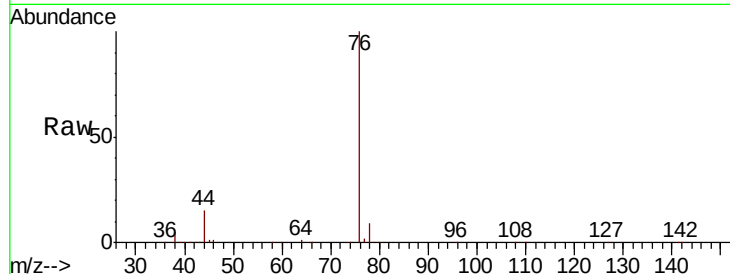
#17
Carbon Disulfide
Concen: 55.872 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
76	100	290988		
78	9.2		7.3	10.9

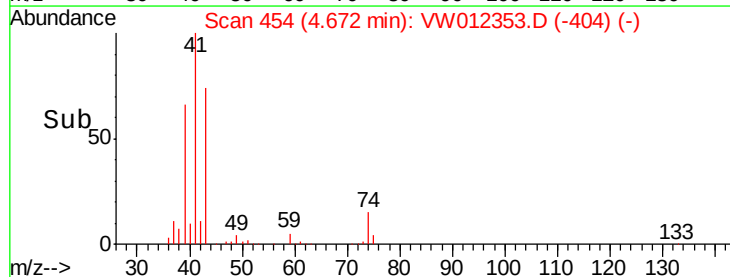
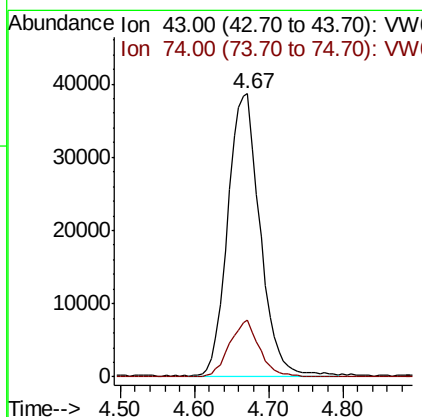
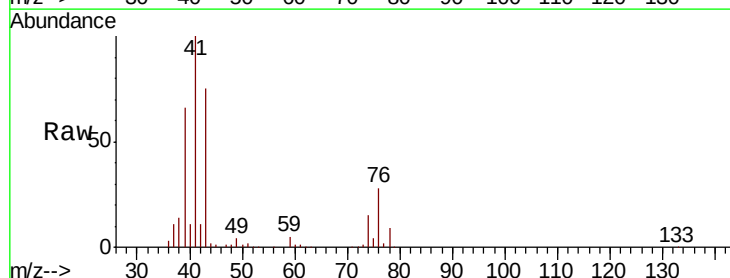
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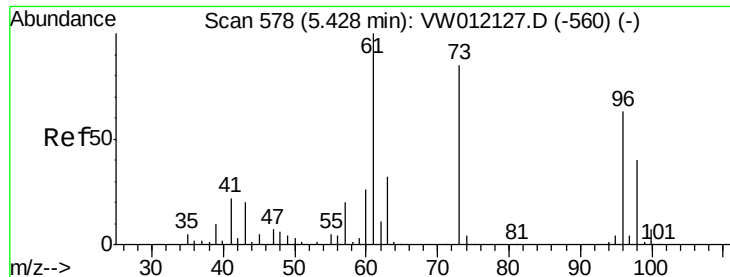
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#18
Methyl Acetate
Concen: 90.197 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	116630		
74	18.9		15.7	23.5





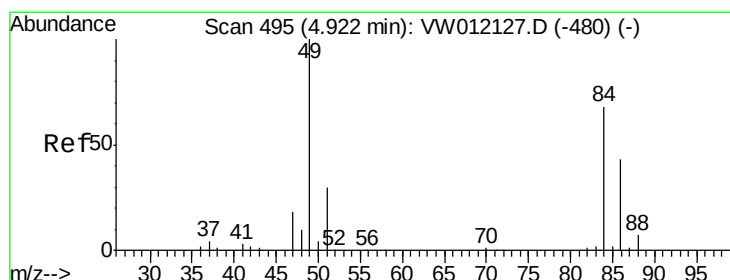
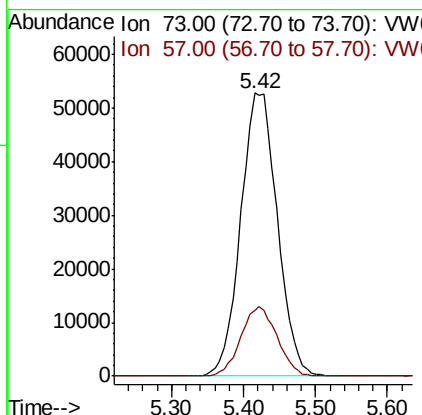
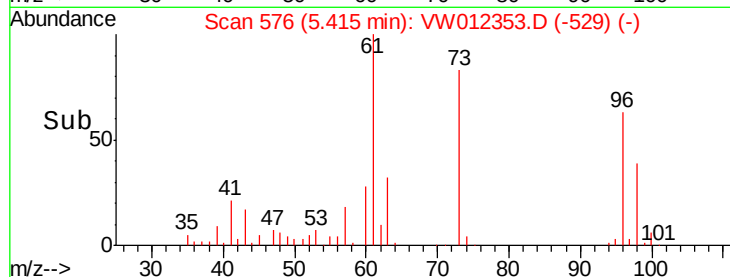
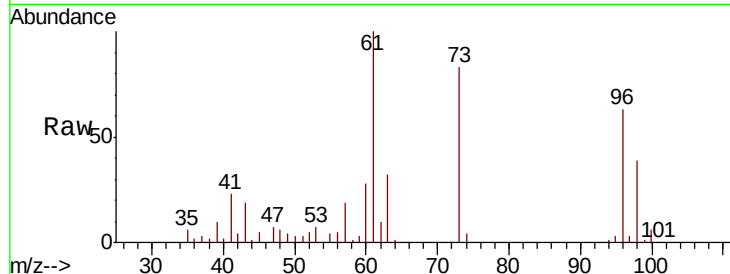
#19
Methyl tert-butyl Ether
Concen: 66.970 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion: 73 Resp: 186634
Ion Ratio Lower Upper
73 100
57 23.1 18.9 28.3

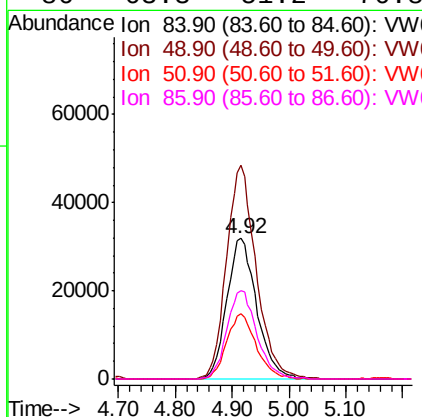
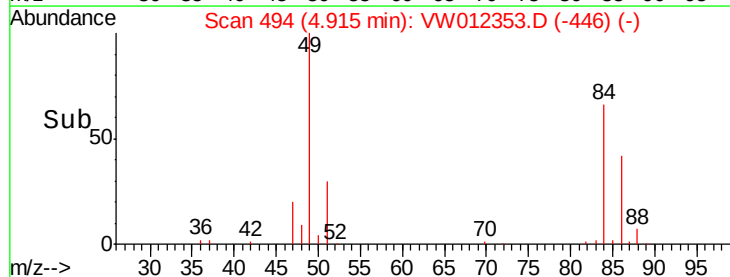
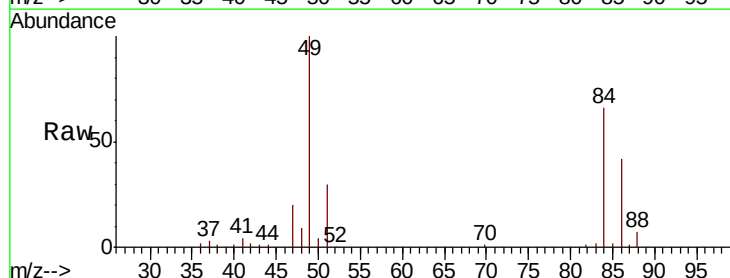
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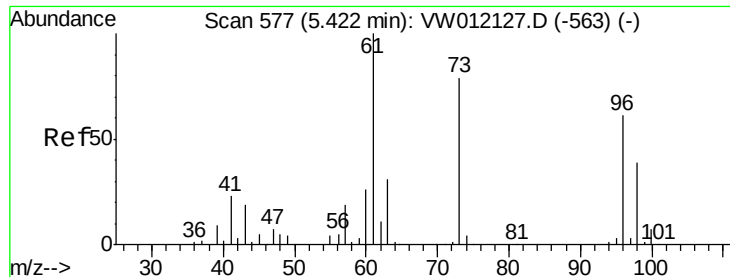
MMDadoda
8/31/2019 9:11:25 AM



#20
Methylene Chloride
Concen: 59.454 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion: 84 Resp: 117339
Ion Ratio Lower Upper
84 100
49 152.1 117.8 176.8
51 46.3 35.6 53.4
86 63.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 65.427 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion: 96 Resp: 120906

Ion Ratio Lower Upper

96 100

61 159.4 131.4 197.0

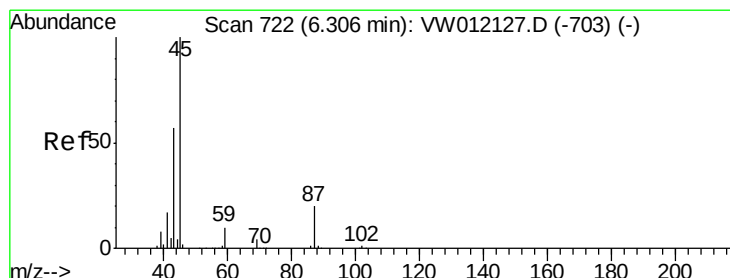
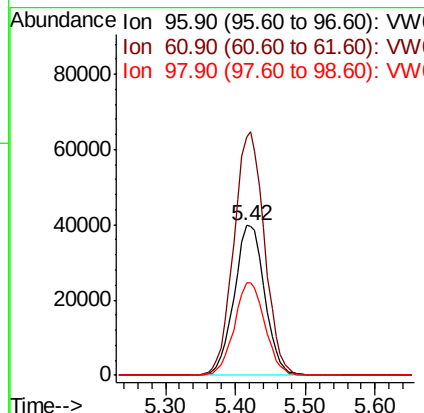
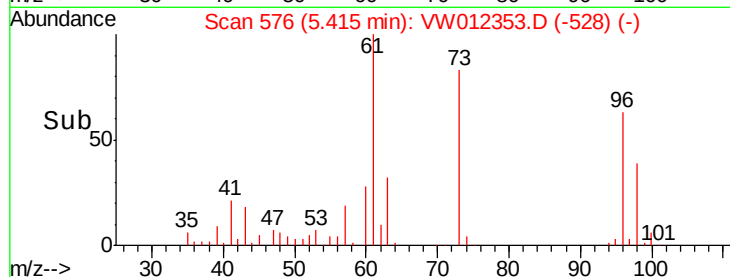
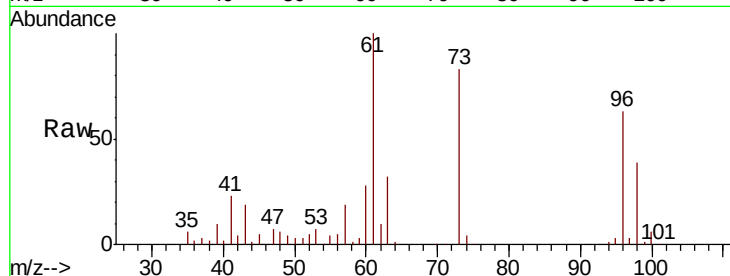
98 62.1 51.4 77.0

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#22

Diisopropyl ether

Concen: 60.390 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Tgt Ion: 45 Resp: 412396

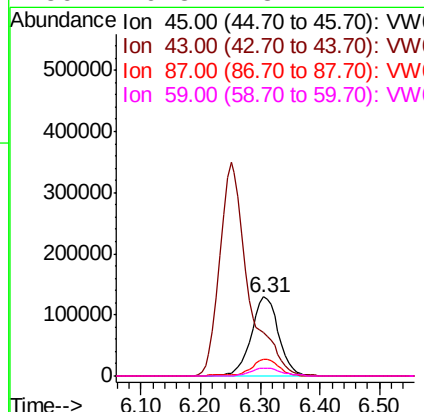
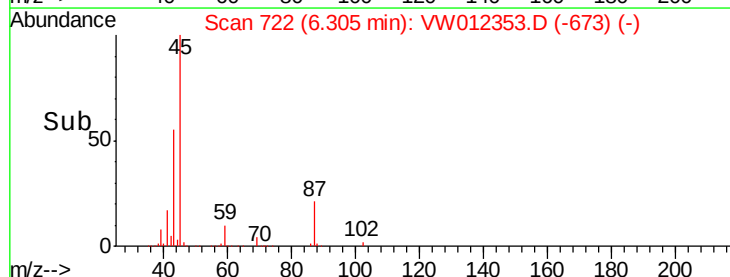
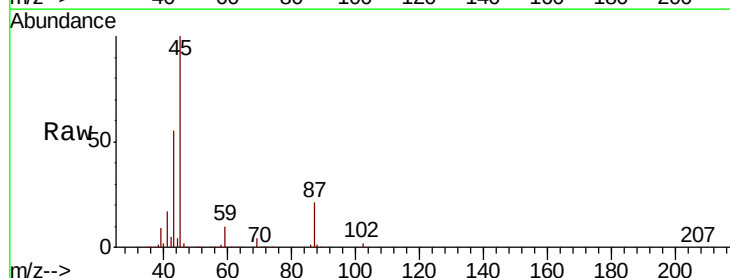
Ion Ratio Lower Upper

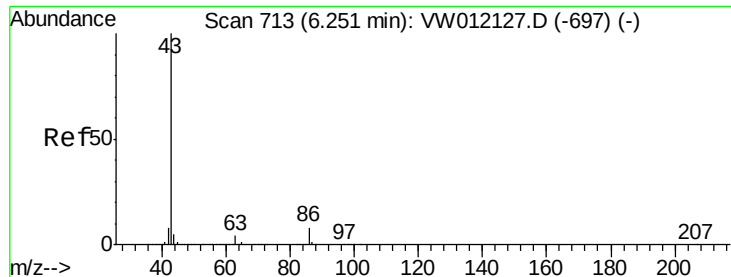
45 100

43 55.1 45.5 68.3

87 21.4 16.1 24.1

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 275.218 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion: 43 Resp: 1156629

Ion Ratio Lower Upper

43 100

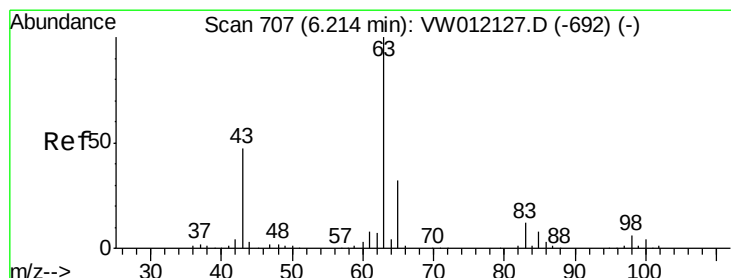
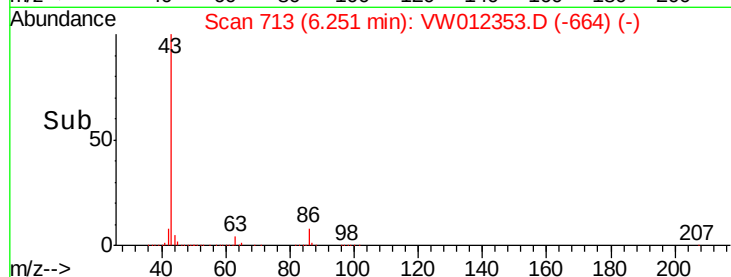
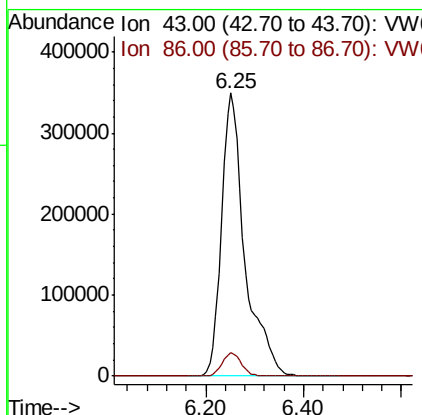
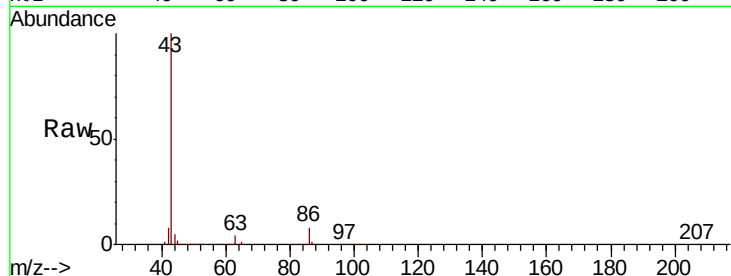
86 8.3 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 64.625 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

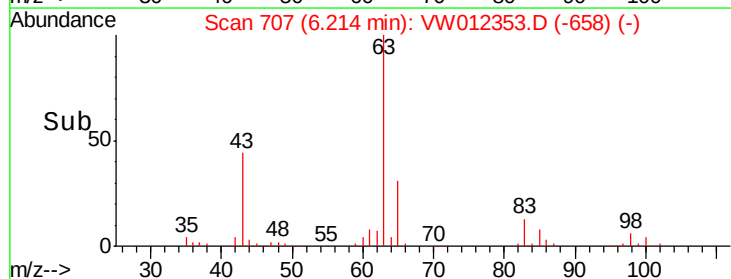
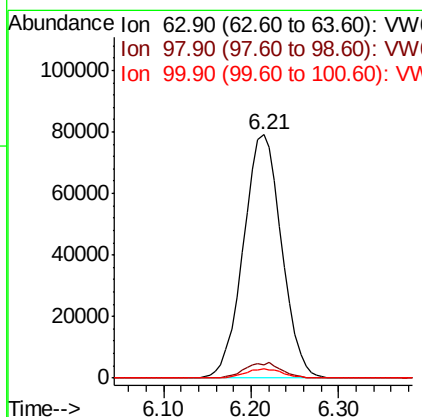
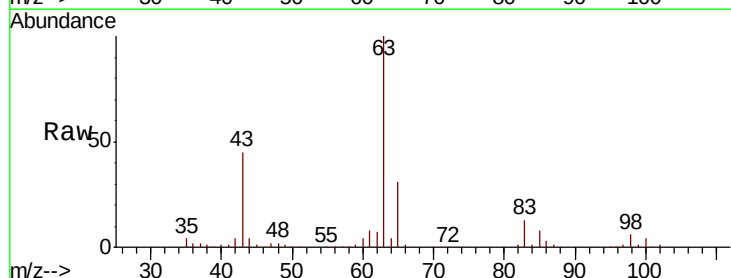
Tgt Ion: 63 Resp: 240288

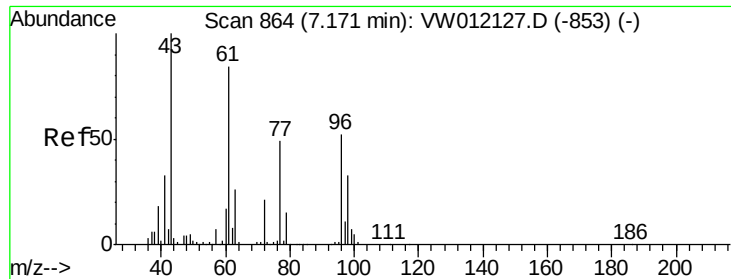
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 365.762 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion: 43 Resp: 259481

Ion Ratio Lower Upper

43 100

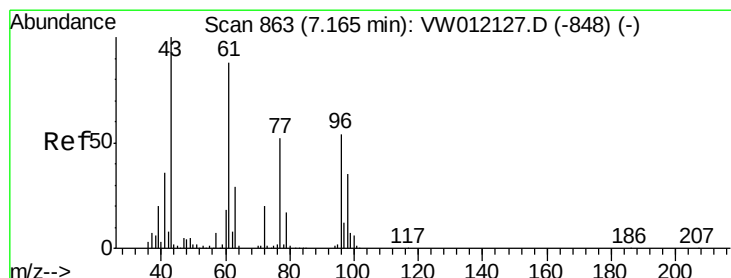
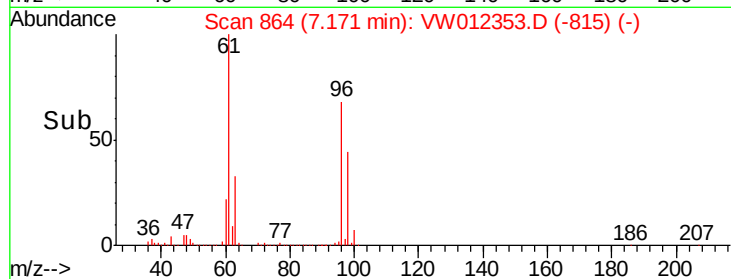
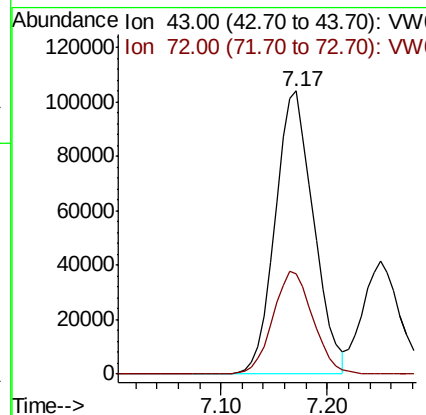
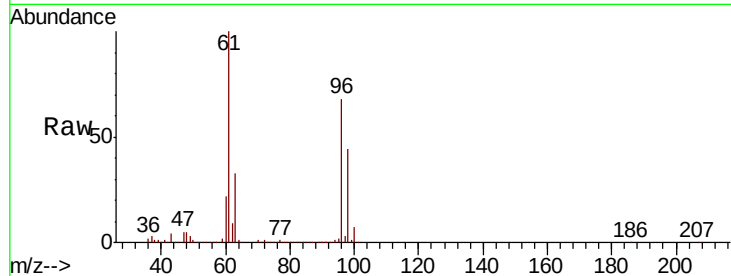
72 35.6 16.6 24.8#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.662 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012353.D

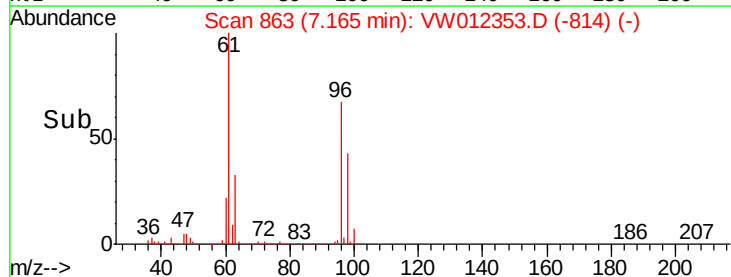
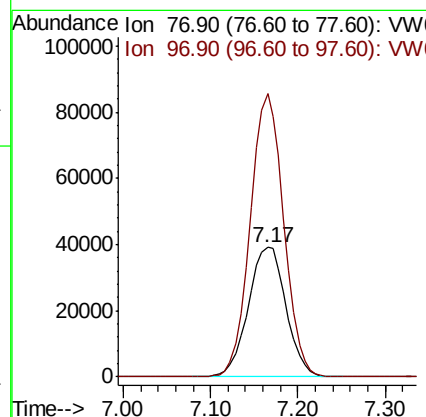
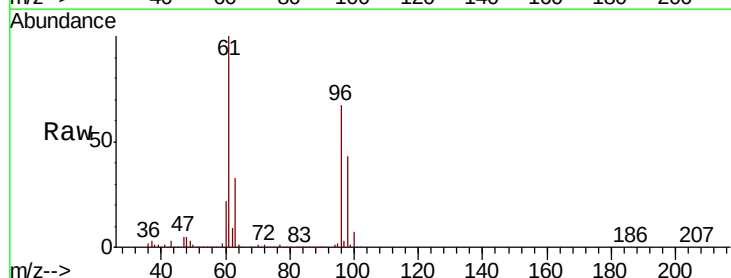
Acq: 30 Aug 2019 16:33

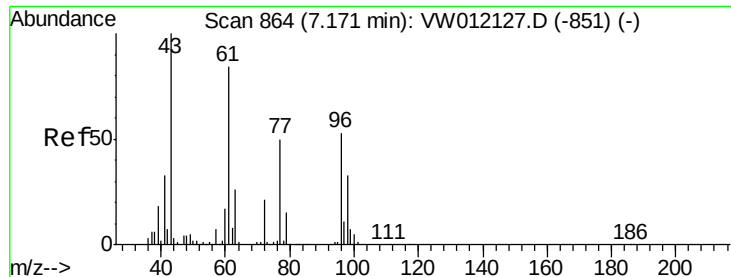
Tgt Ion: 77 Resp: 117144

Ion Ratio Lower Upper

77 100

97 193.6 11.1 33.1#





#27

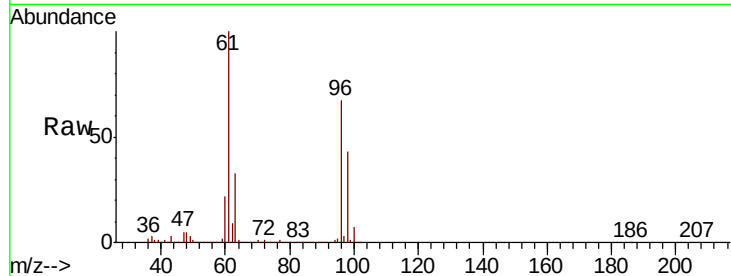
cis-1,2-Dichloroethene
 Concen: 2625.719 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	326.6
98	64.3	0.0	127.4

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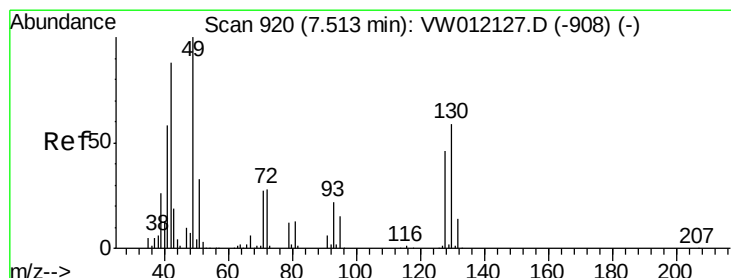
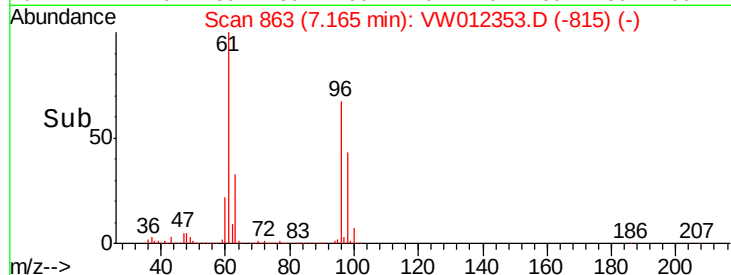
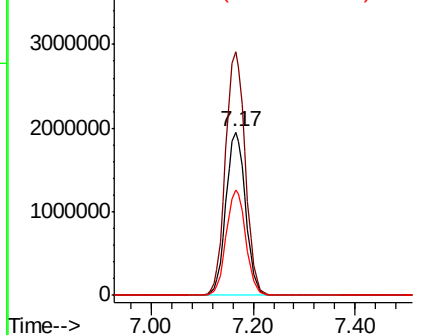


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

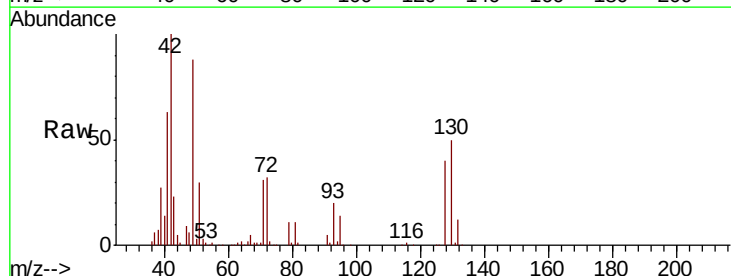
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 56.824 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.4
130	57.8	45.5	68.3

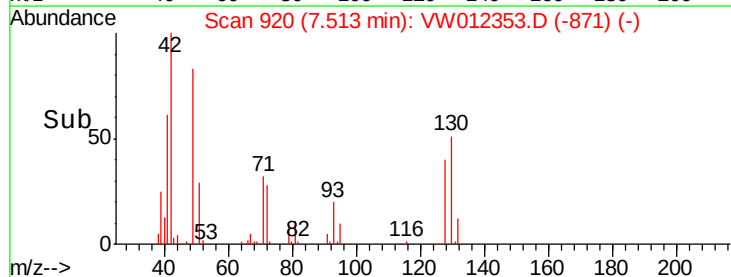
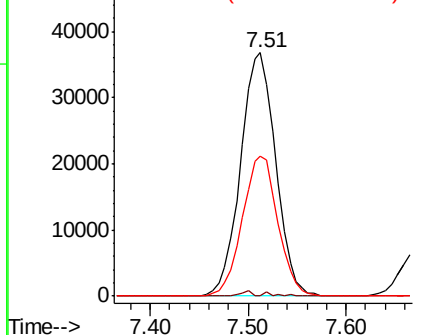


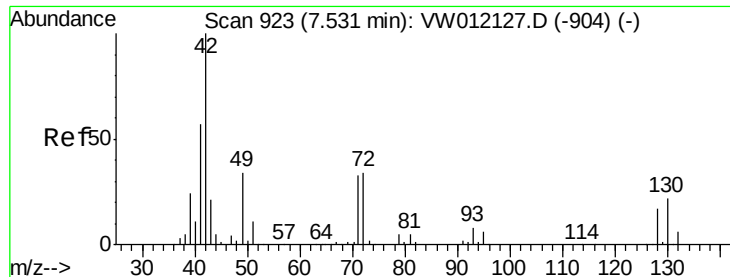
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





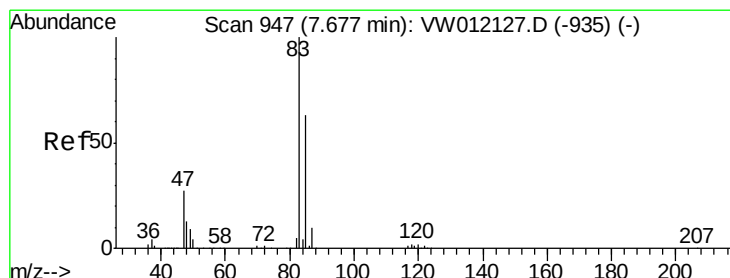
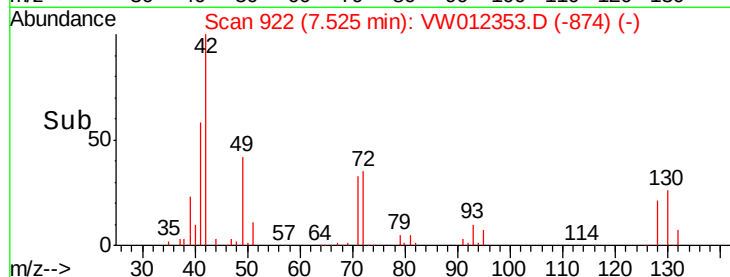
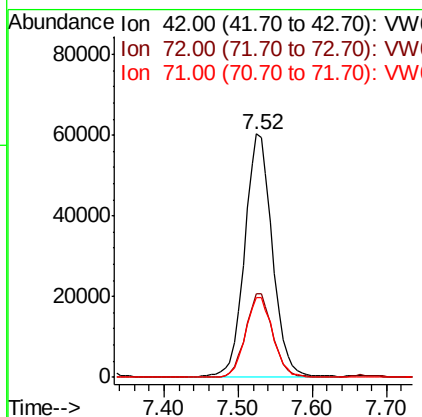
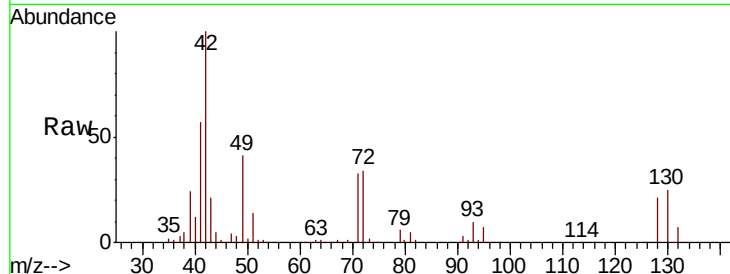
#29
Tetrahydrofuran
Concen: 367.576 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	33.9	27.3	40.9	
71	32.8	25.5	38.3	

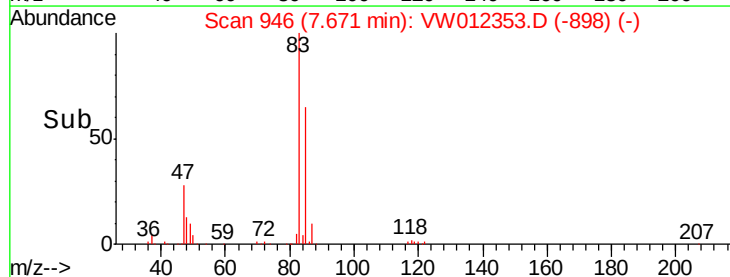
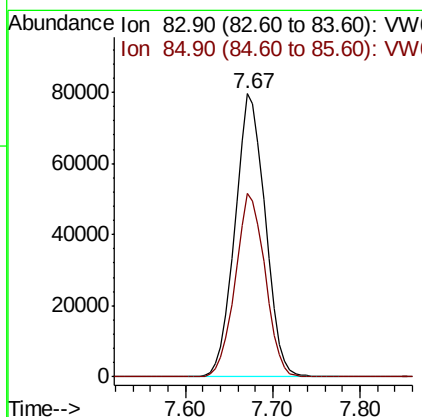
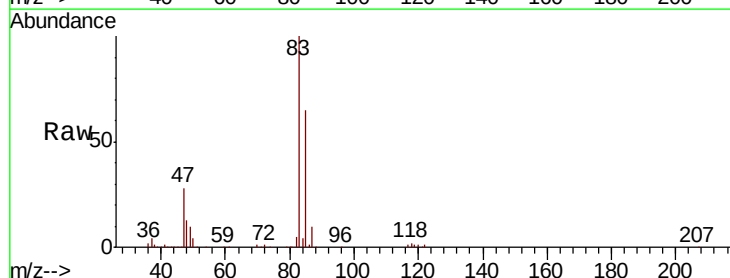
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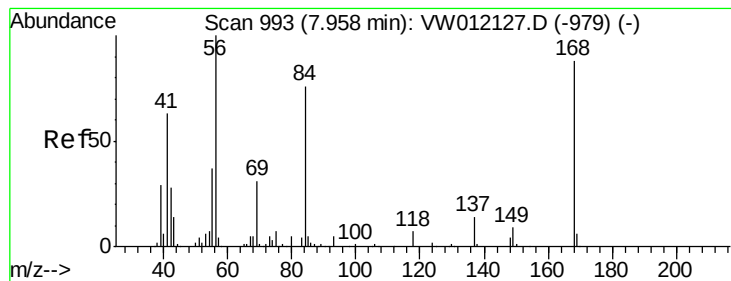
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#30
Chloroform
Concen: 56.169 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.8	50.6	76.0	





#31

Cyclohexane

Concen: 48.190 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

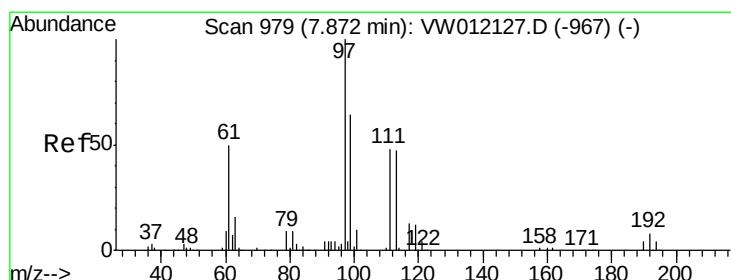
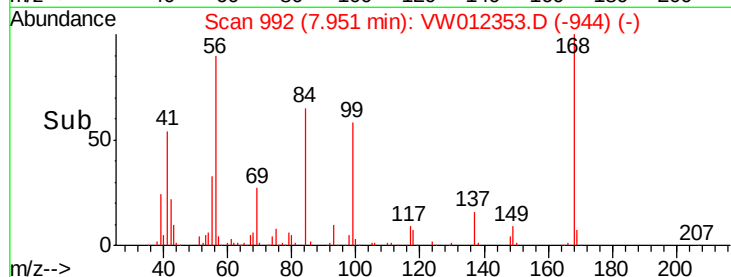
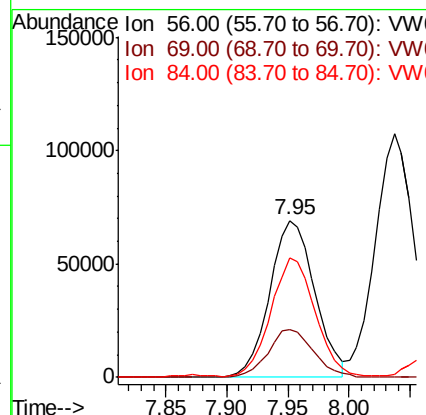
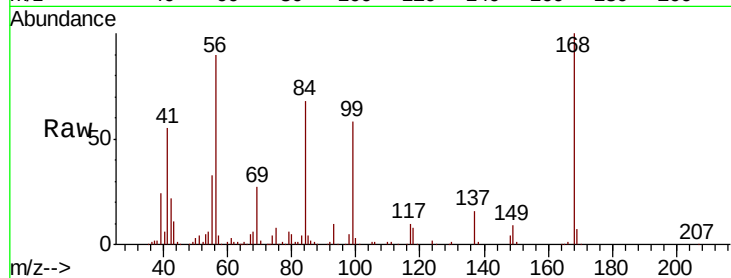
ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion:	56	Resp:	177275
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.9	37.3
84	74.5	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 56.461 ug/l

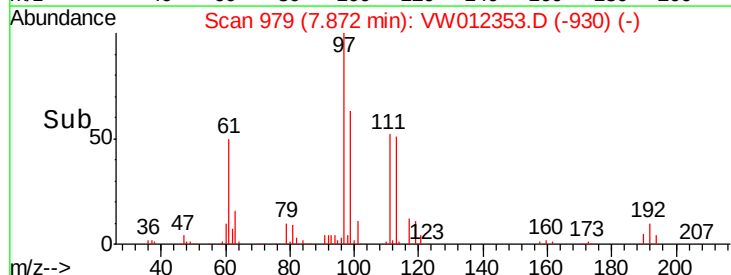
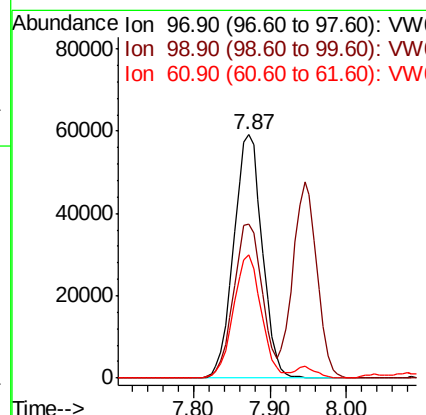
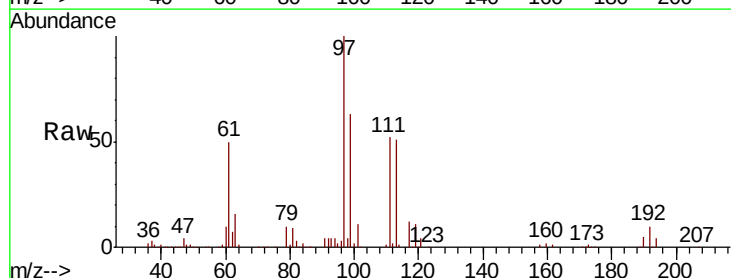
RT: 7.87 min Scan# 979

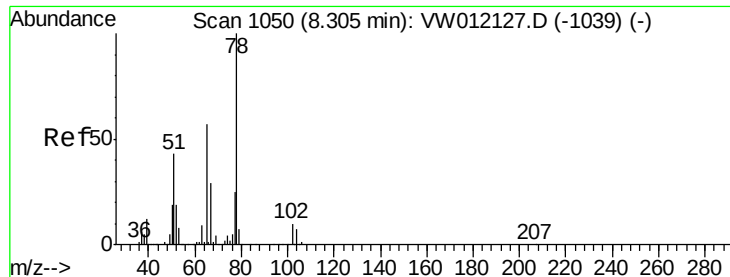
Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Tgt Ion:	97	Resp:	151941
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	49.6	39.5	59.3





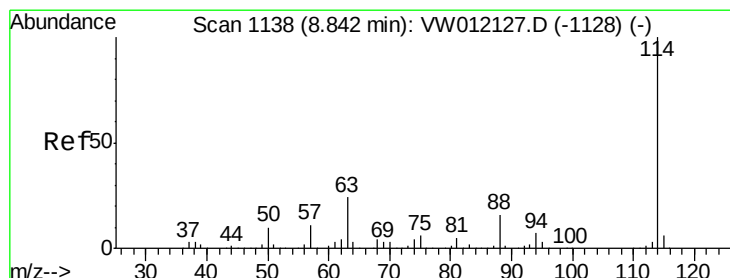
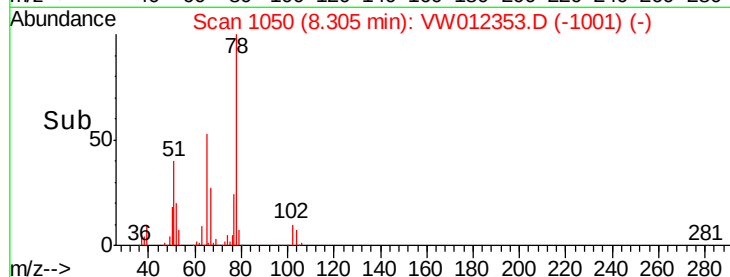
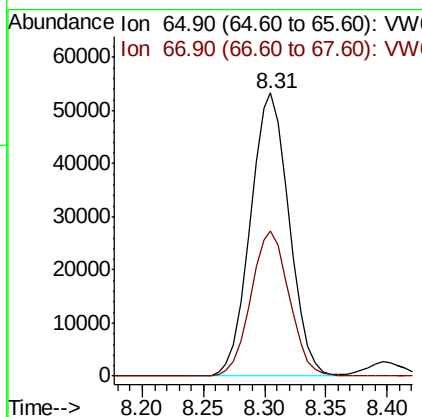
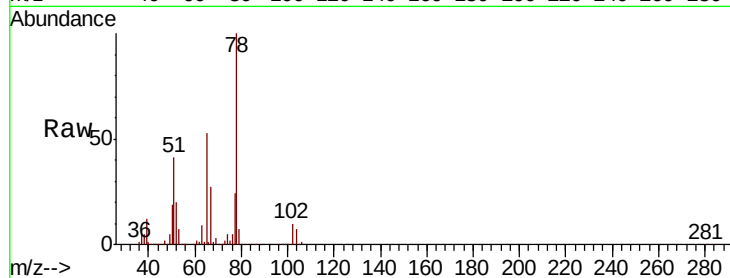
#33
 1,2-Dichloroethane-d4
 Concen: 57.423 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.6

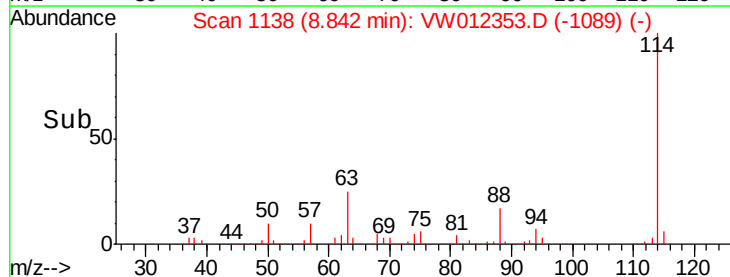
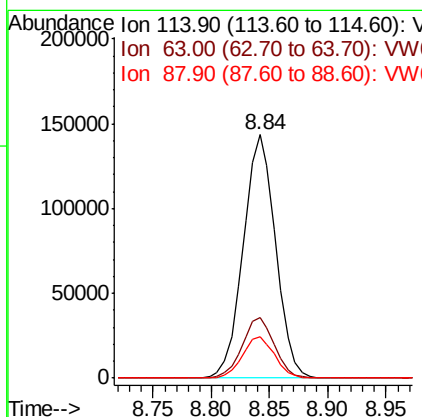
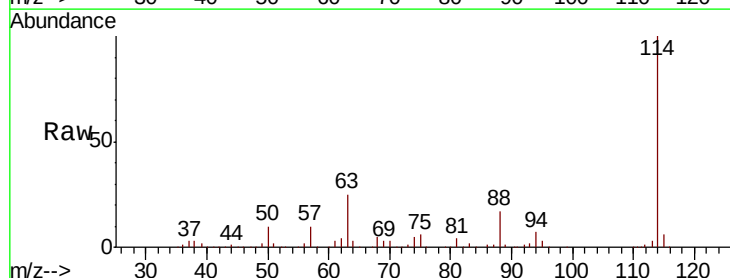
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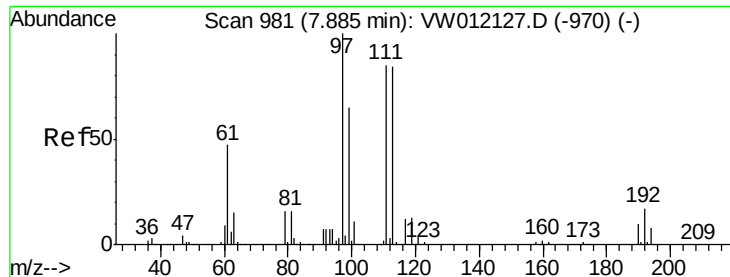
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	48.6
88	16.9	0.0	32.2





#35

Dibromofluoromethane

Concen: 53.925 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

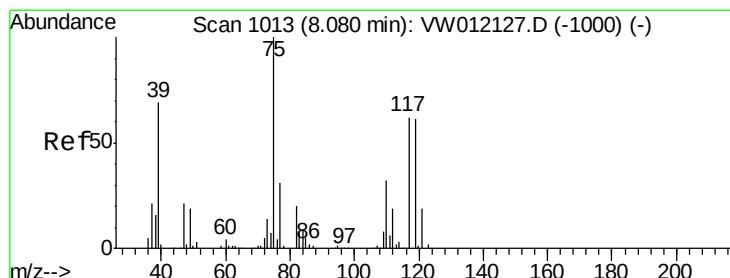
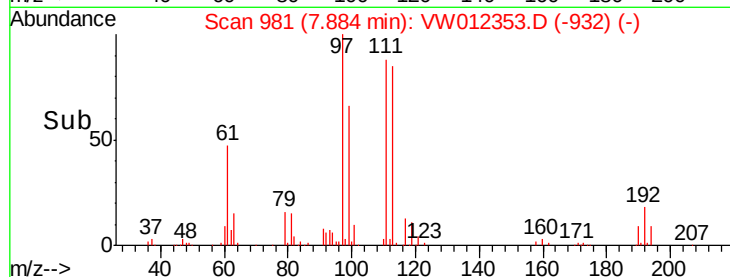
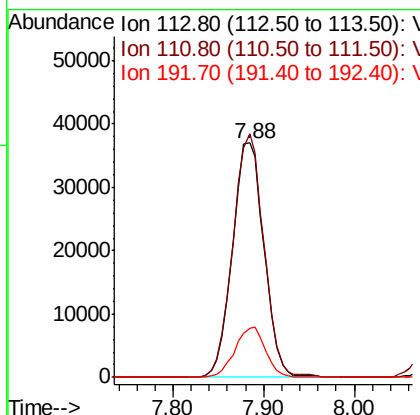
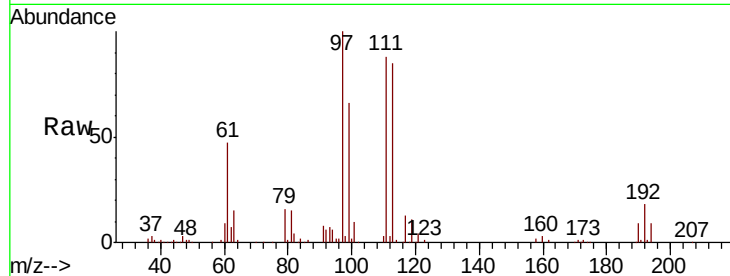
ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion:	113	Resp:	89475
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.7	124.1
192	20.8	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 53.817 ug/l

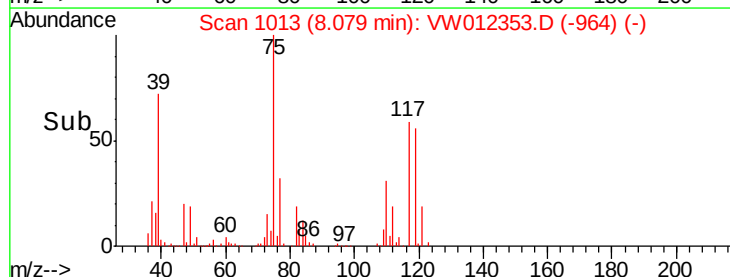
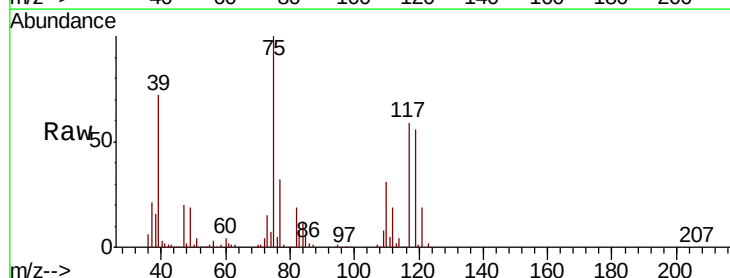
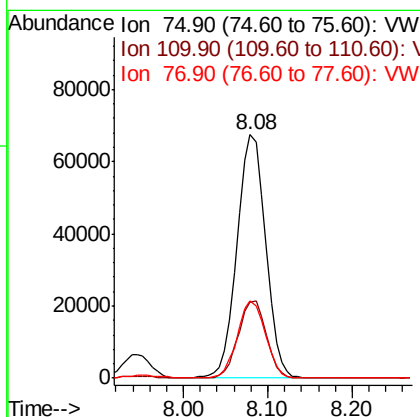
RT: 8.08 min Scan# 1013

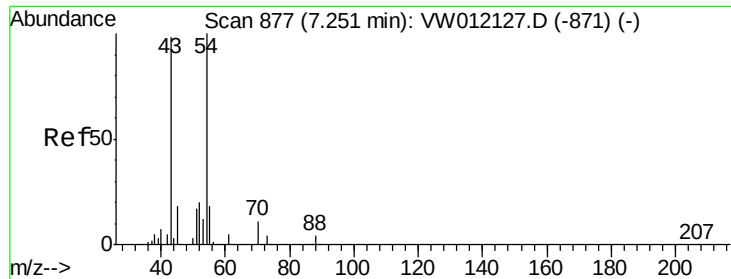
Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Tgt Ion:	75	Resp:	154595
Ion Ratio	Lower	Upper	
75	100		
110	31.1	15.6	46.8
77	31.4	24.6	36.8





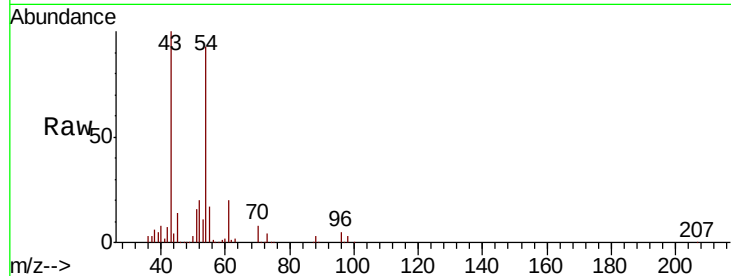
#37
Ethyl Acetate
Concen: 66.631 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

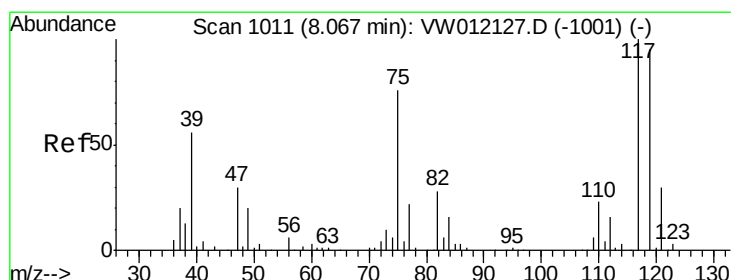
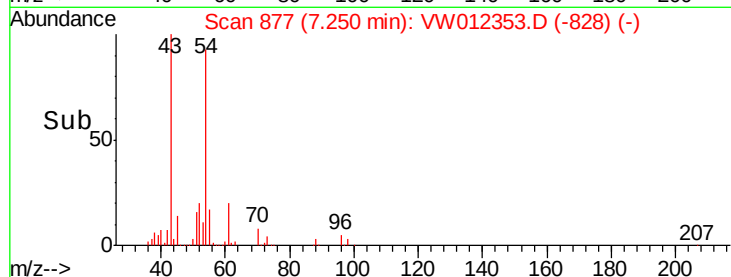
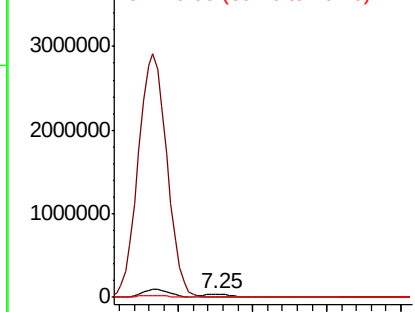
Tot Ion	Ratio	Resp Lower	Upper
43	100		
61	0.0	9.2	13.8#
70	8.3	6.9	10.3

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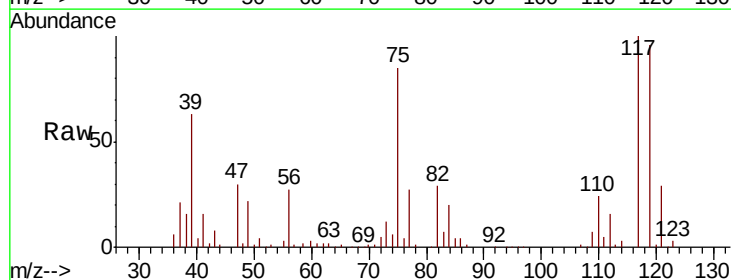


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

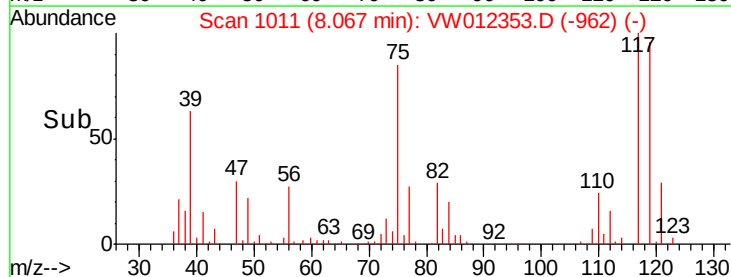
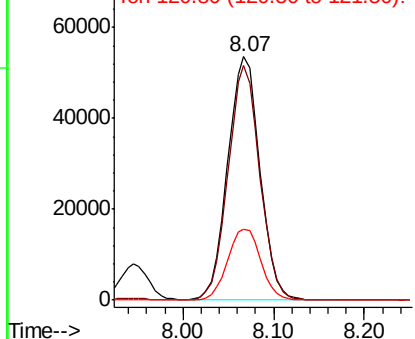


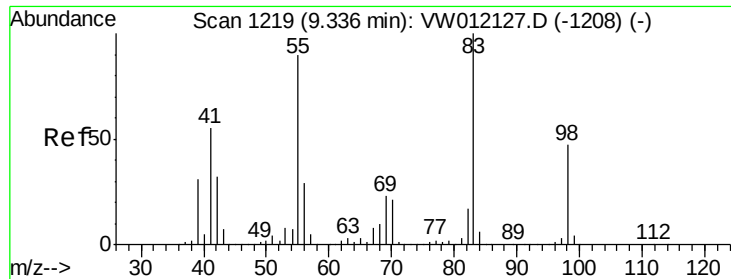
#38
Carbon Tetrachloride
Concen: 53.093 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp Lower	Upper
117	100		
119	96.3	76.2	114.2
121	28.9	23.8	35.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





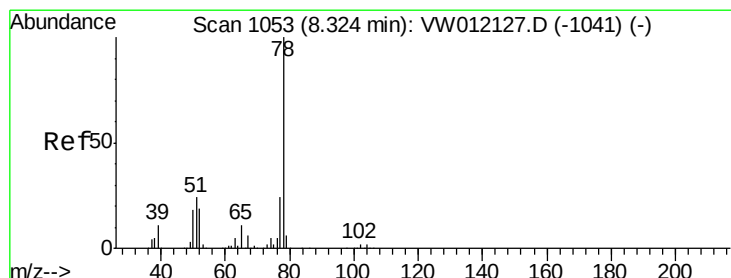
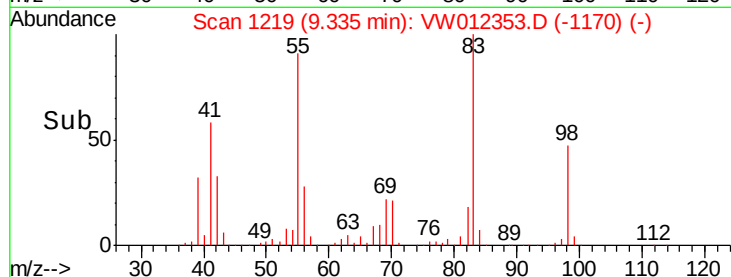
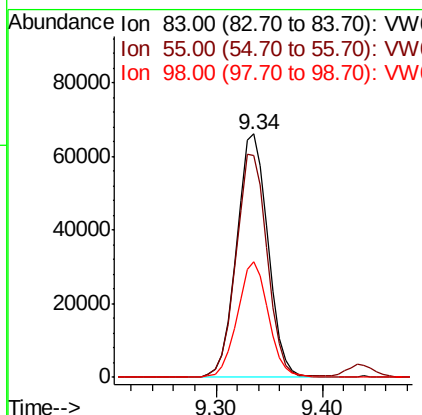
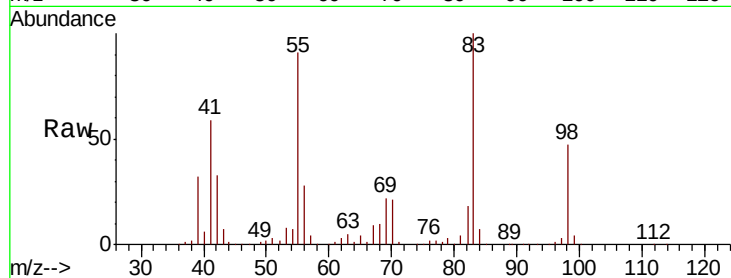
#39
Methylvlcyclohexane
Concen: 42.513 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	137195		
55	91.3		71.8	107.8
98	47.4		37.8	56.8

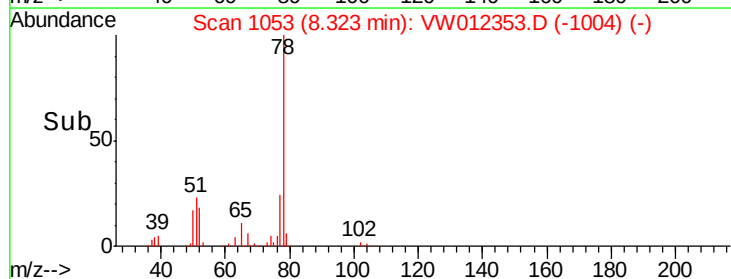
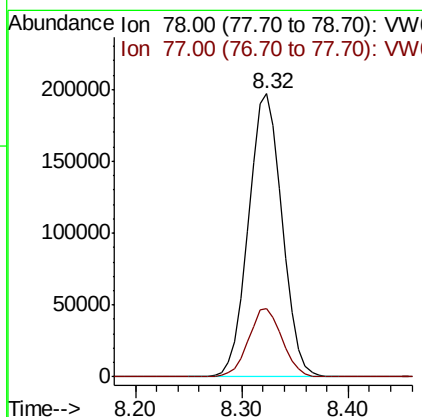
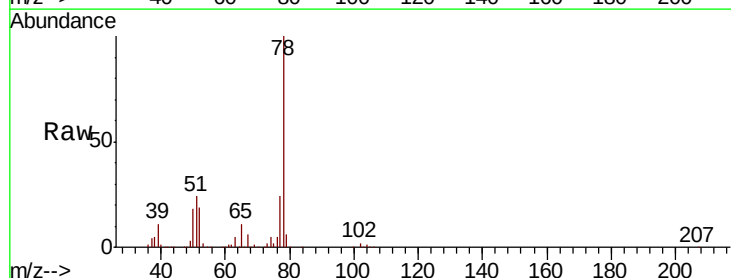
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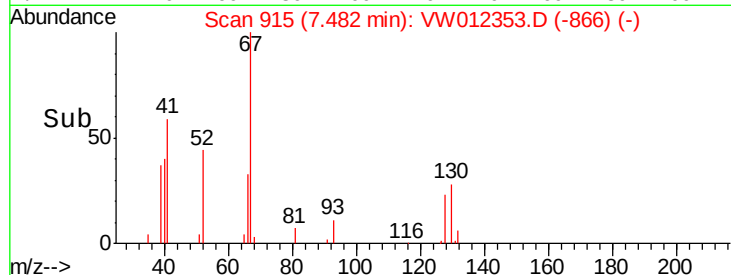
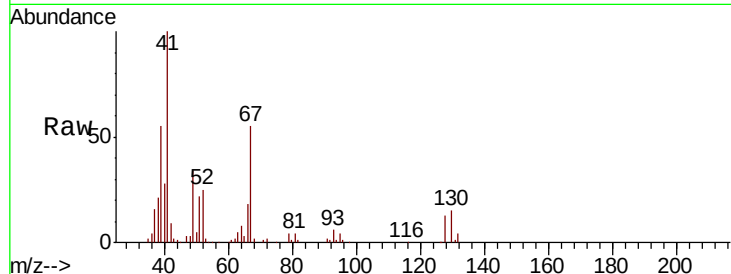
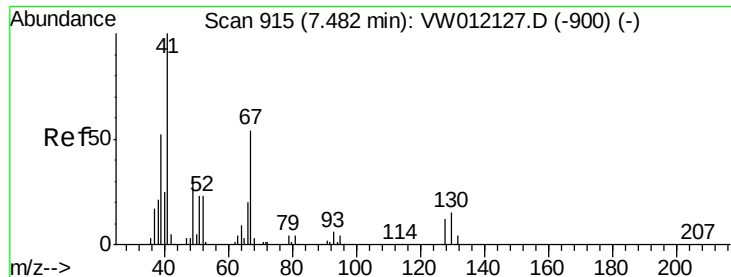
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#40
Benzene
Concen: 55.800 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	437682		
77	24.1		19.5	29.3





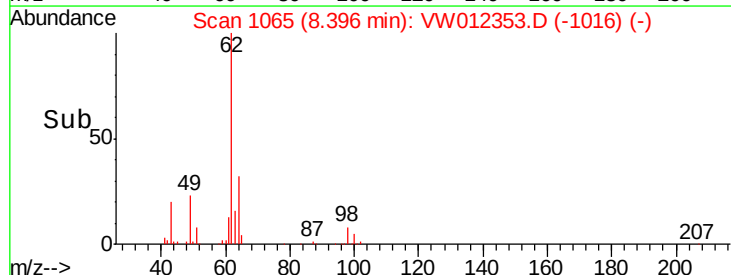
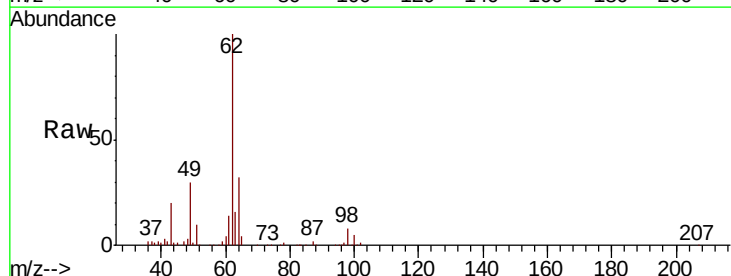
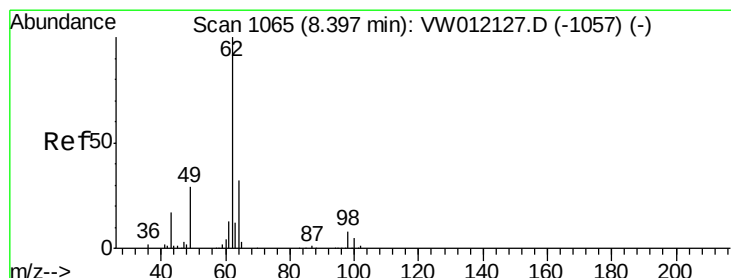
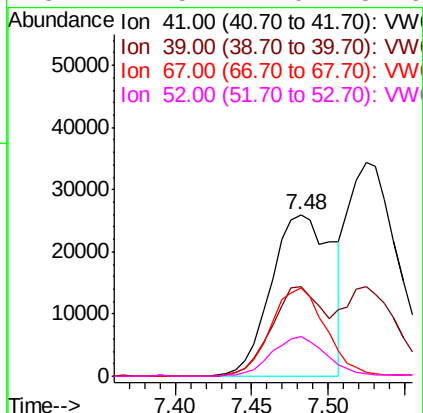
#41
Methacrylonitrile
Concen: 78.442 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	72572		
39	39	46.0		45.8	68.8
67	67	49.4		46.2	69.4
52	52	22.5		21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

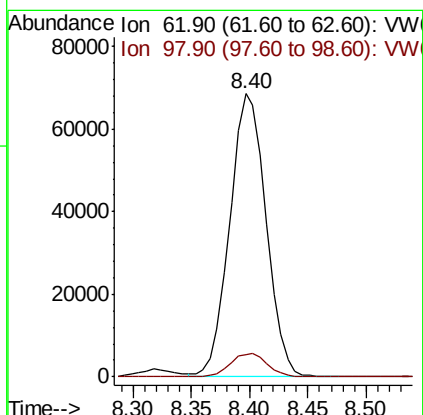
Manual Integrations
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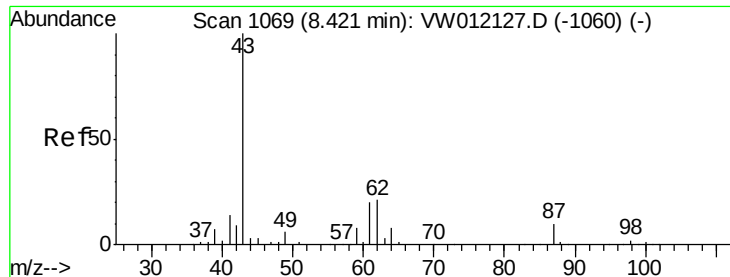
MMDadoda
8/31/2019 9:11:25 AM



#42
1,2-Dichloroethane
Concen: 60.540 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	148826		
98	98	8.4		0.0	16.6





#43

Isopropyl Acetate

Concen: 67.645 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion: 43 Resp: 197238

Ion Ratio Lower Upper

43 100

61 25.1 21.1 31.7

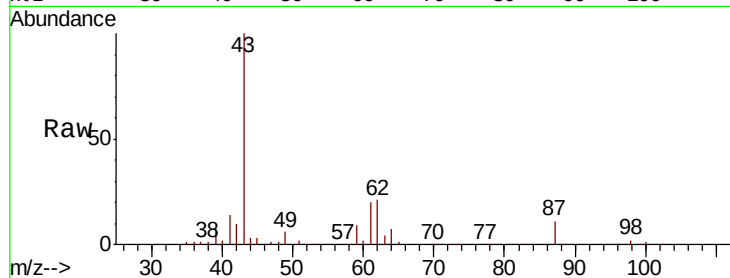
87 10.1 8.2 12.2

Manual Integrations

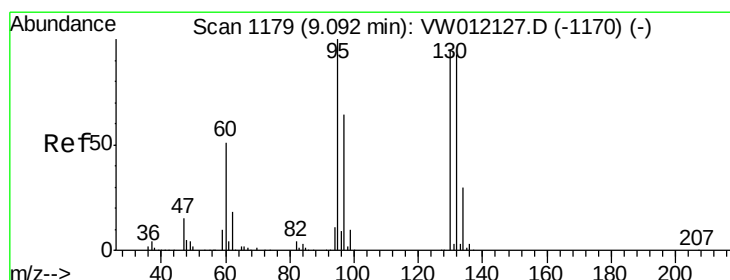
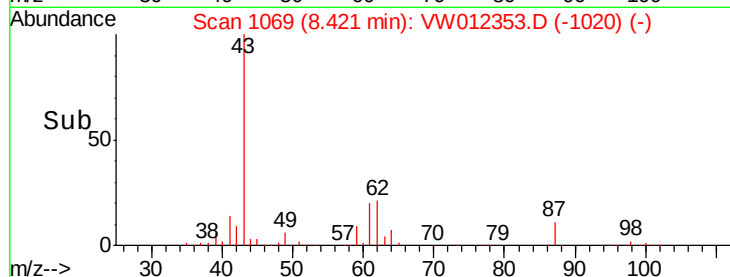
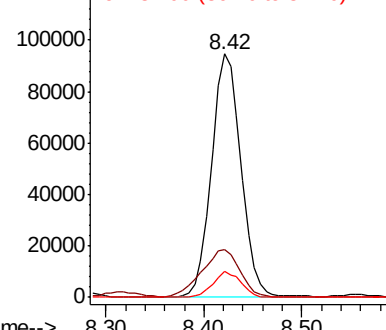
APPROVED

MMDadoda

8/31/2019 9:11:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 56.716 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012353.D

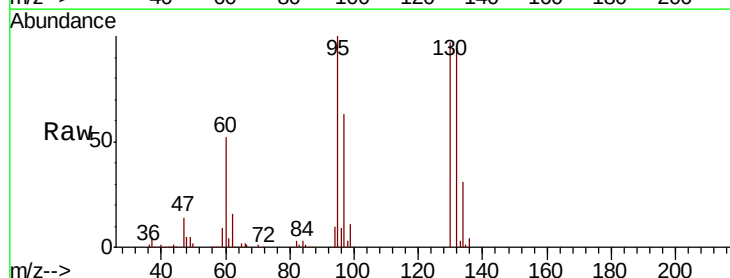
Acq: 30 Aug 2019 16:33

Tgt Ion:130 Resp: 108145

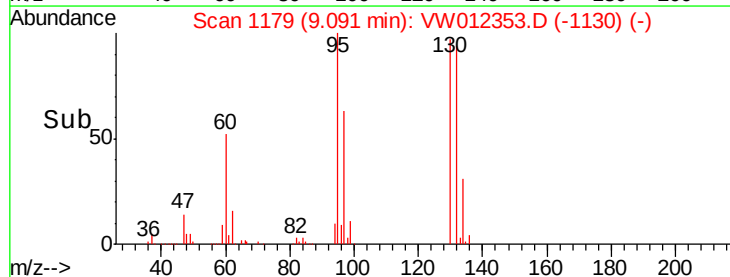
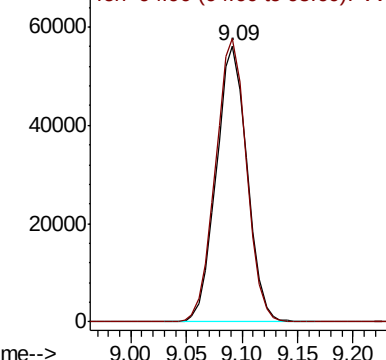
Ion Ratio Lower Upper

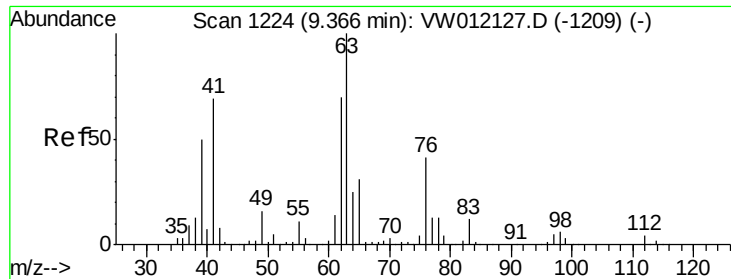
130 100

95 102.7 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





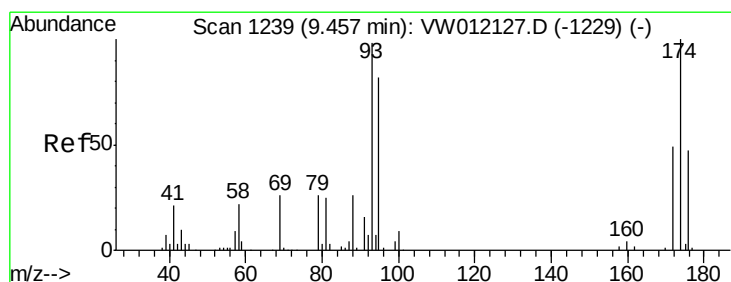
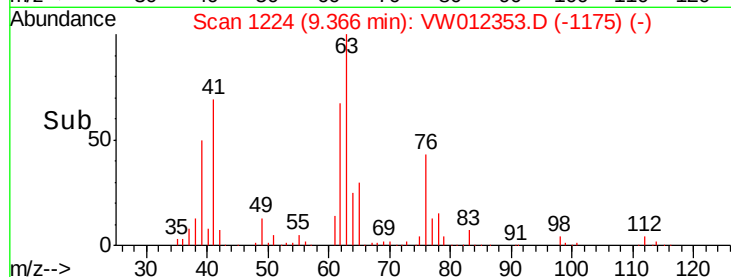
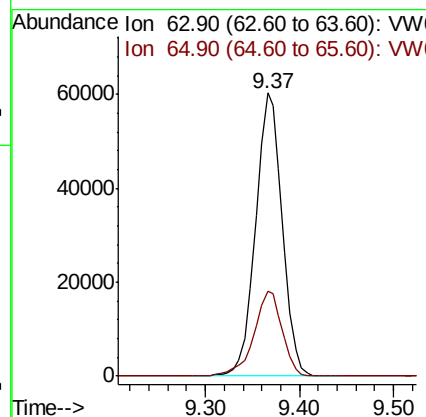
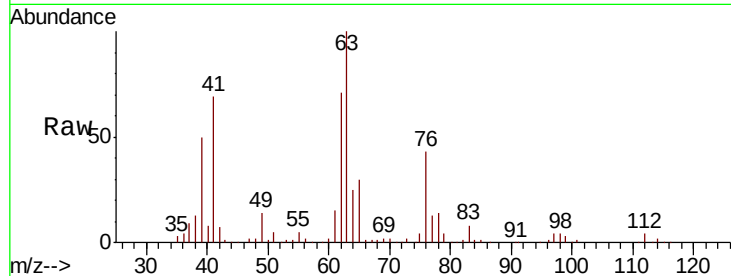
#45
 1,2-Dichloropropane
 Concen: 56.747 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion: 63 Resp: 119793
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.4

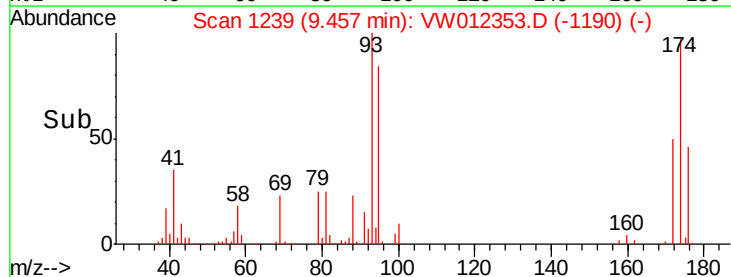
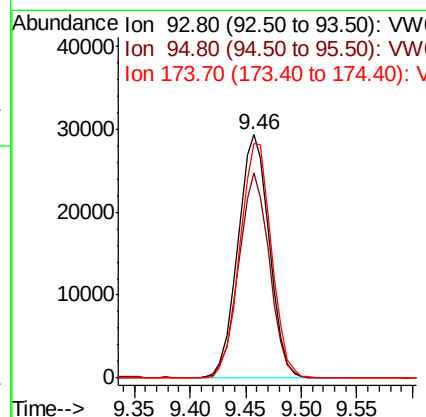
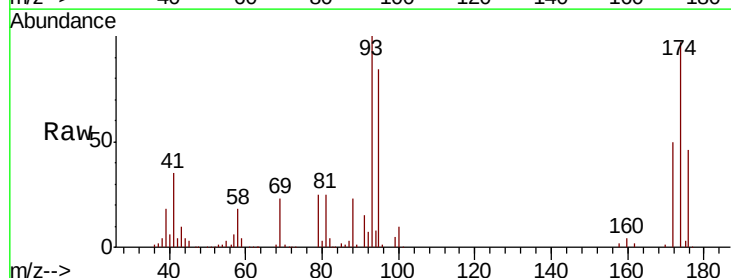
Manual Integrations
 APPROVED

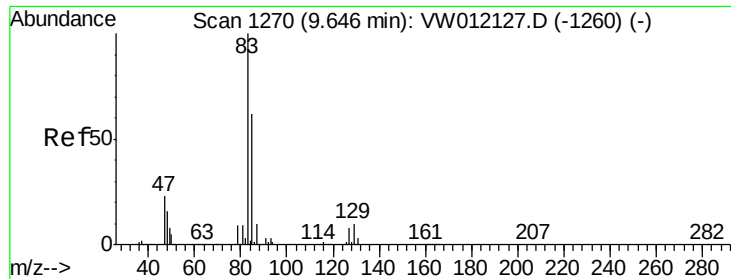
MMDadoda
 8/31/2019 9:11:25 AM



#46
 Dibromomethane
 Concen: 60.866 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion: 93 Resp: 57168
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 97.1 79.0 118.6





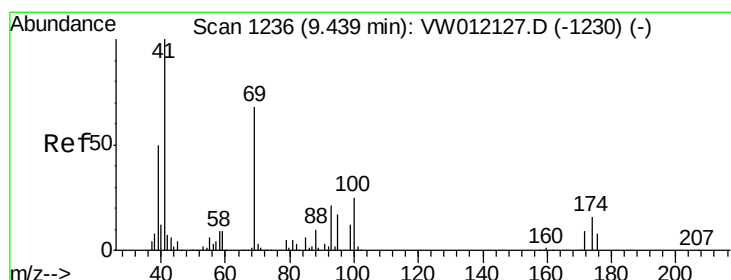
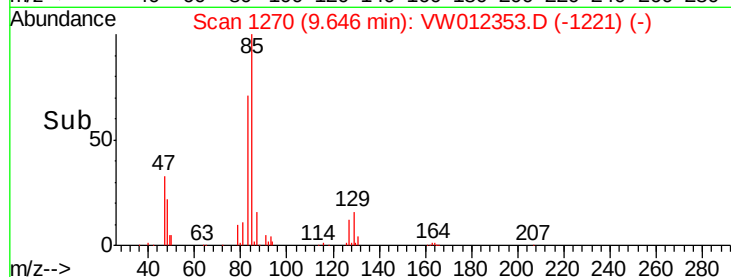
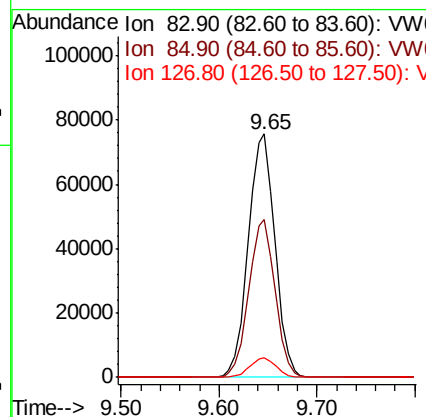
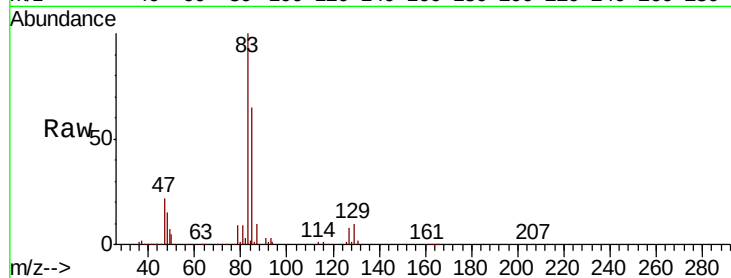
#47
Bromodichloromethane
Concen: 57.071 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	142663		
85	64.7	49.4	74.2	
127	8.0	6.1	9.1	

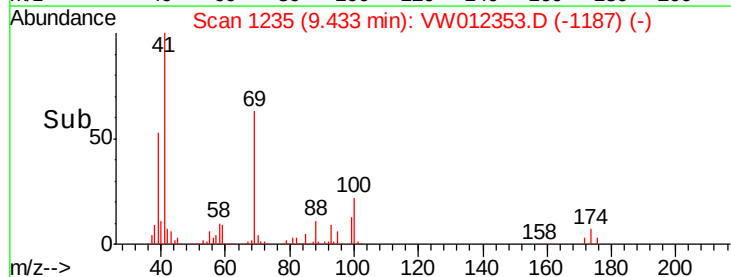
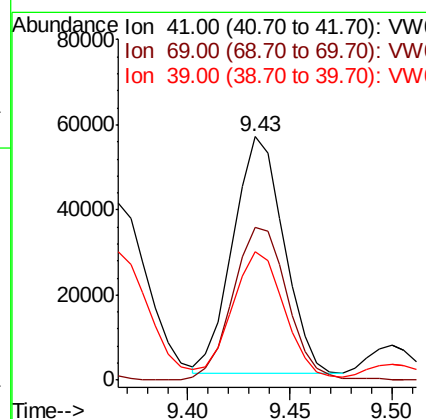
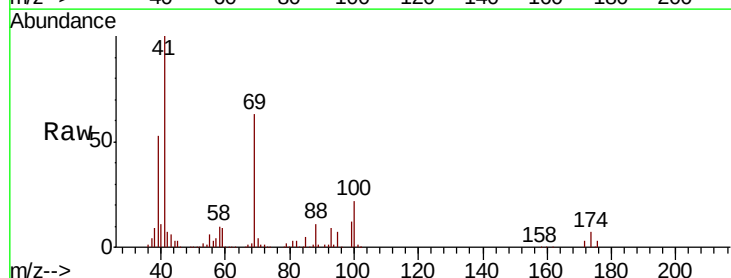
Manual Integrations
APPROVED

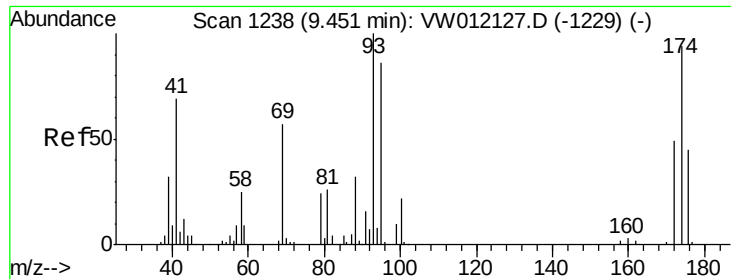
MMDadoda
8/31/2019 9:11:25 AM



#48
Methyl methacrylate
Concen: 69.386 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	96292		
69	69.9	56.7	85.1	
39	56.6	42.0	63.0	





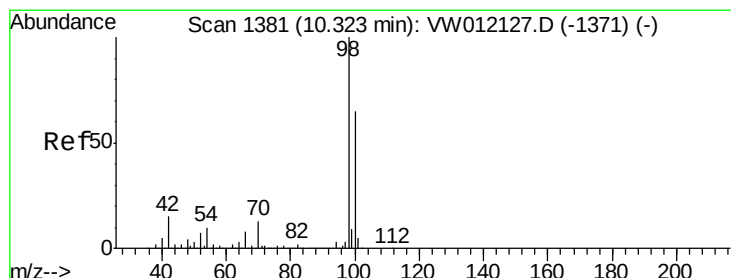
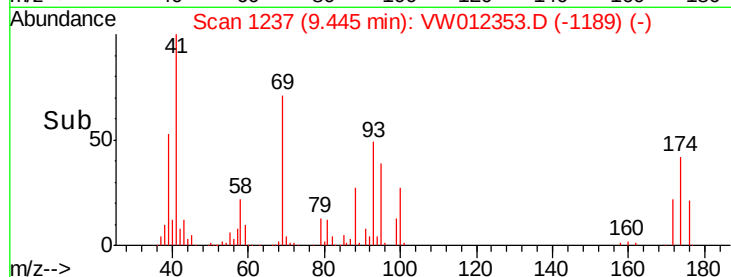
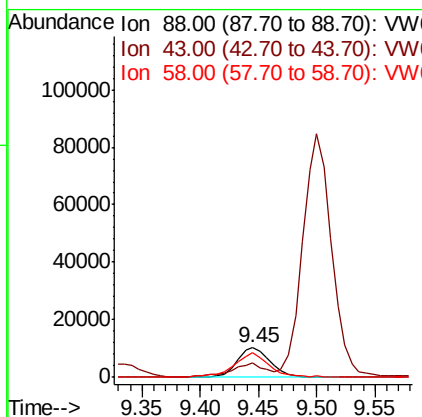
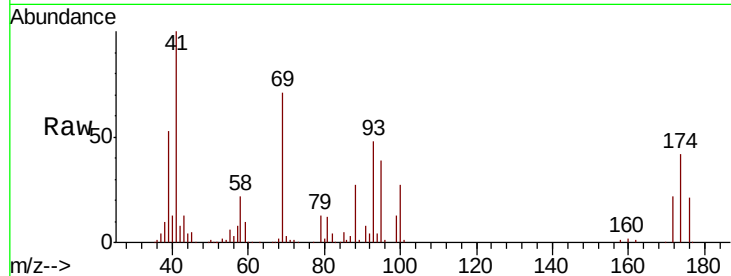
#49
 1,4-Dioxane
 Concen: 1414.584 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion	88	Resp	20340
Ion	Ratio	Lower	Upper
88	100		
43	46.8	32.9	49.3
58	90.0	71.0	106.4

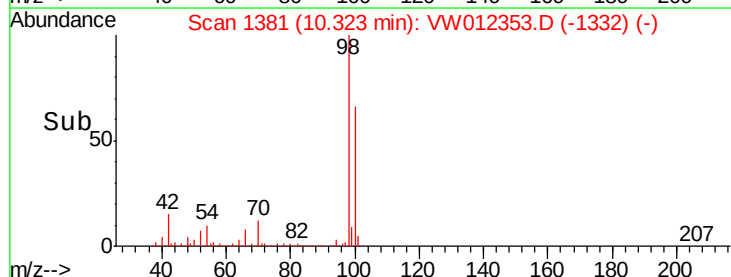
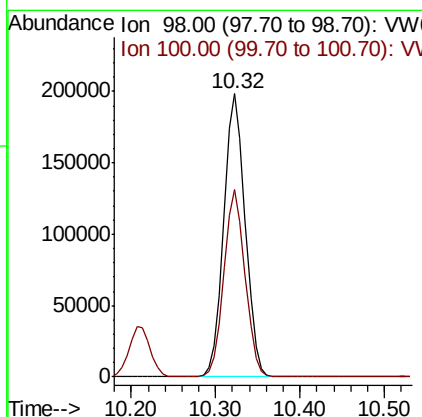
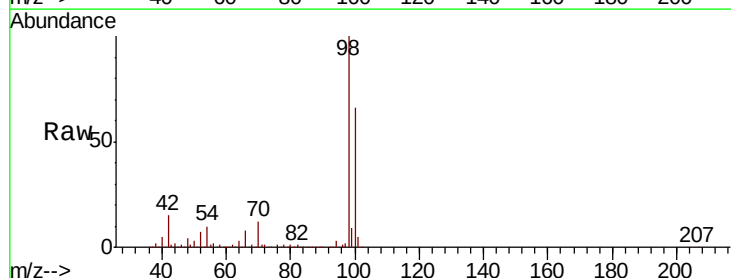
Manual Integrations
 APPROVED

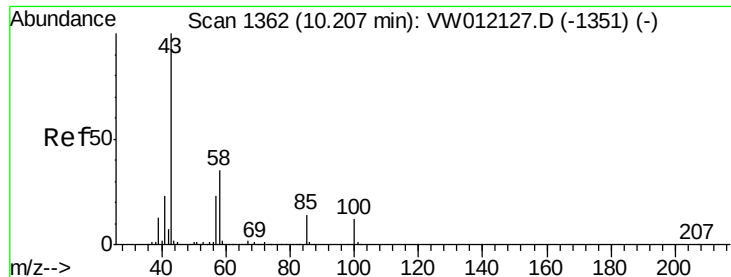
MMDadoda
 8/31/2019 9:11:25 AM



#50
 Toluene-d8
 Concen: 51.109 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion	98	Resp	343854
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





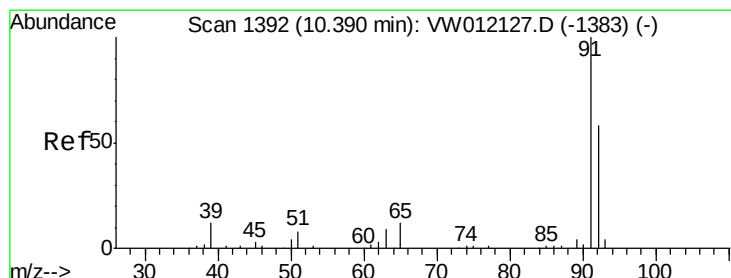
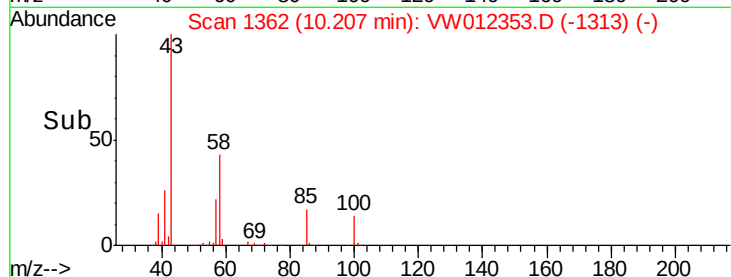
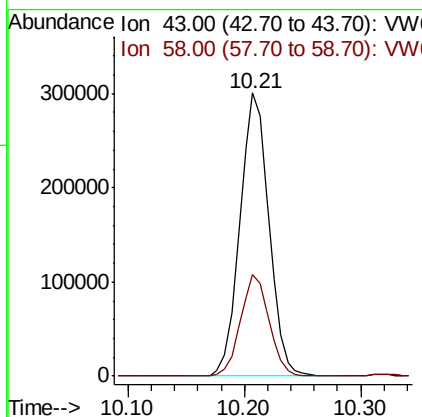
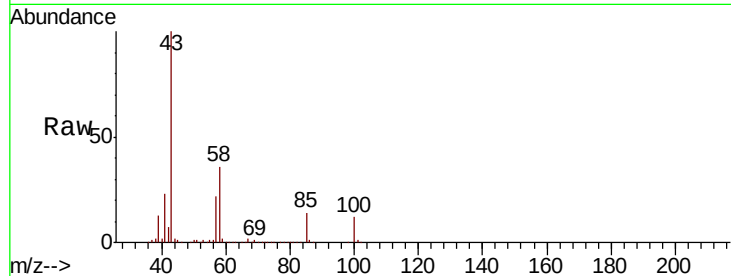
#51
4-Methyl-2-Pentanone
Concen: 351.796 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	43	Resp	521734
Ion Ratio	100	Lower	Upper
43	100		
58	35.3	28.2	42.2

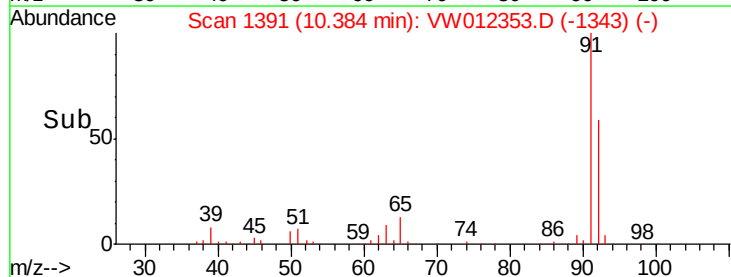
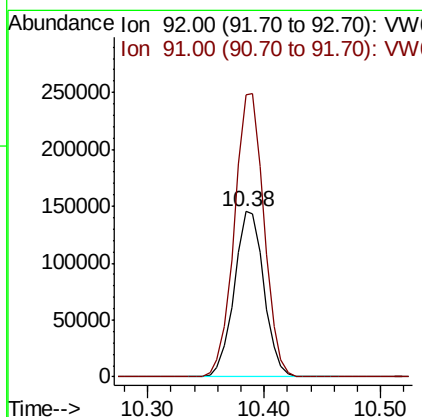
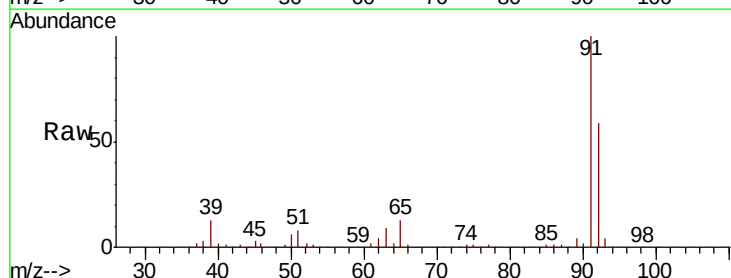
Manual Integrations
APPROVED

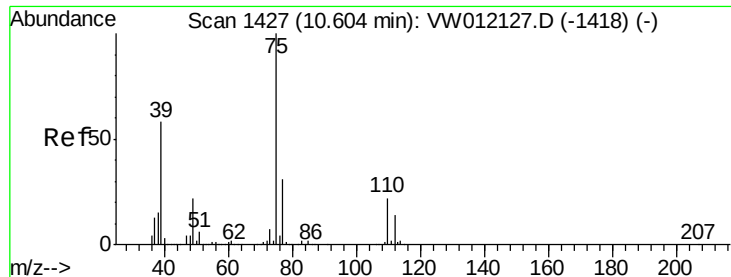
MMDadoda
8/31/2019 9:11:25 AM



#52
Toluene
Concen: 54.781 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	92	Resp	258135
Ion Ratio	100	Lower	Upper
92	100		
91	171.2	136.6	204.8





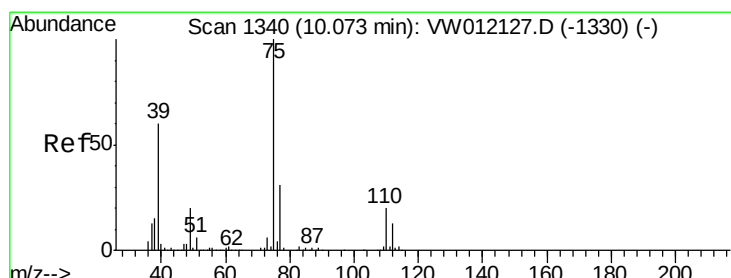
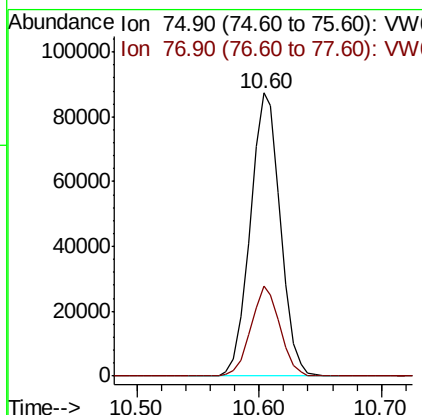
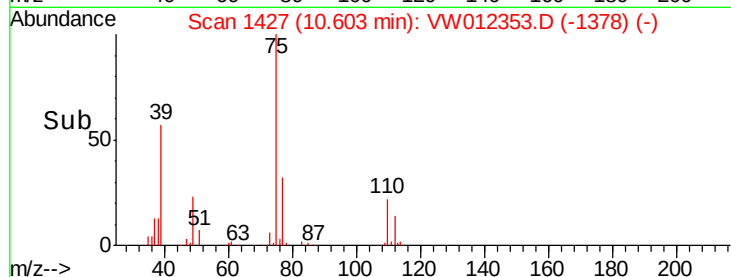
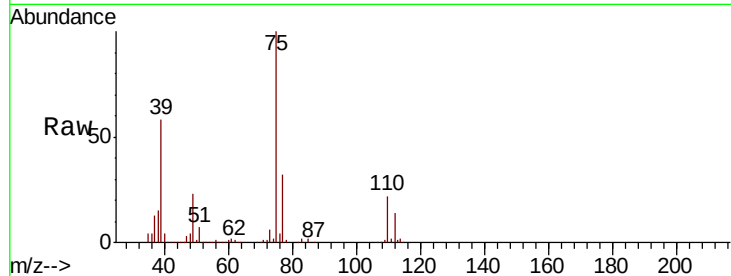
#53
 t-1,3-Dichloropropene
 Concen: 58.656 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4

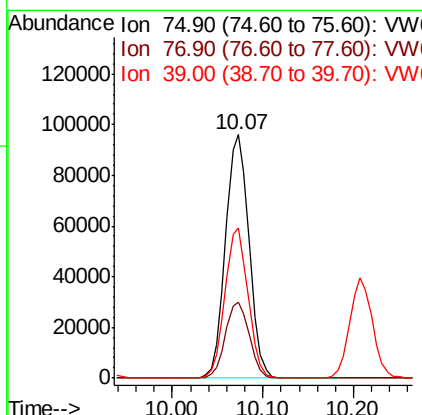
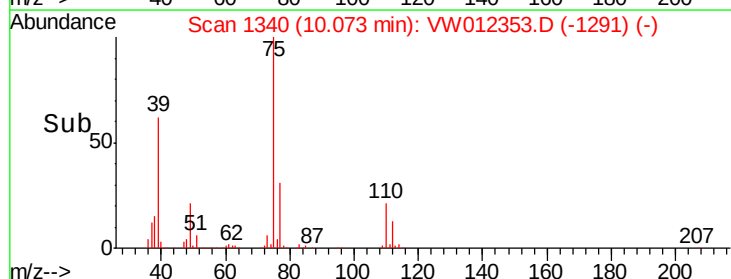
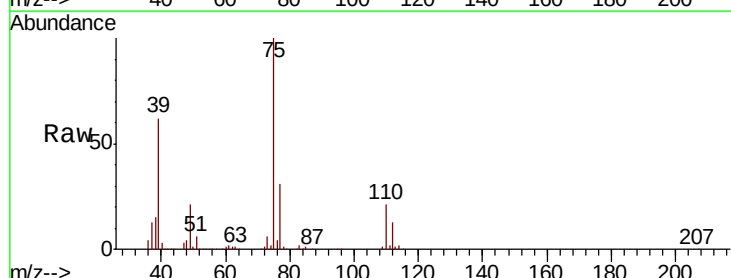
Manual Integrations
 APPROVED

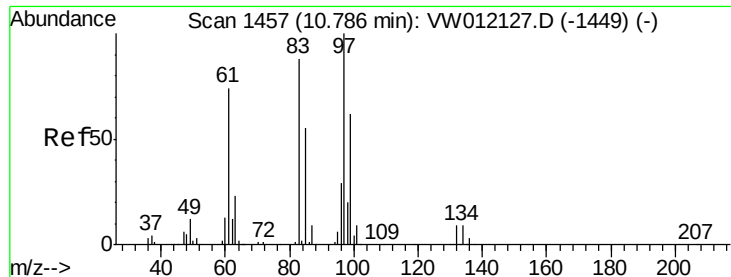
MMDadoda
 8/31/2019 9:11:25 AM



#54
 cis-1,3-Dichloropropene
 Concen: 56.310 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7
39	61.8	48.3	72.5





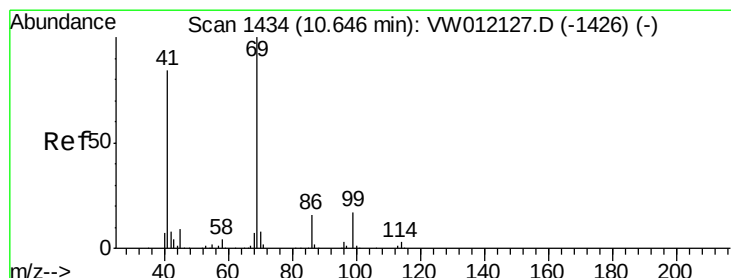
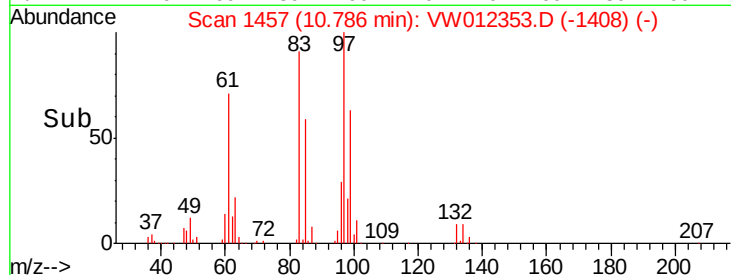
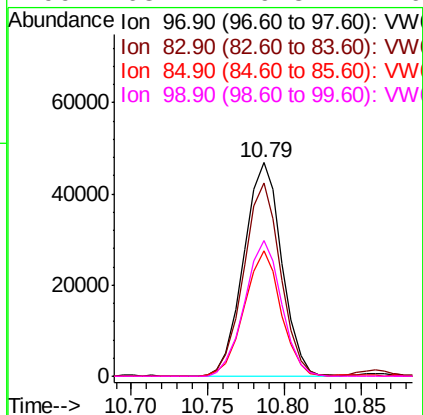
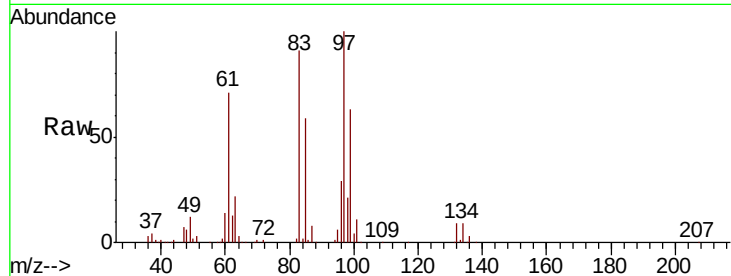
#55
 1,1,2-Trichloroethane
 Concen: 60.954 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion:	97	Resp:	81002
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.8	106.2
85	58.5	43.8	65.8
99	63.4	49.8	74.6

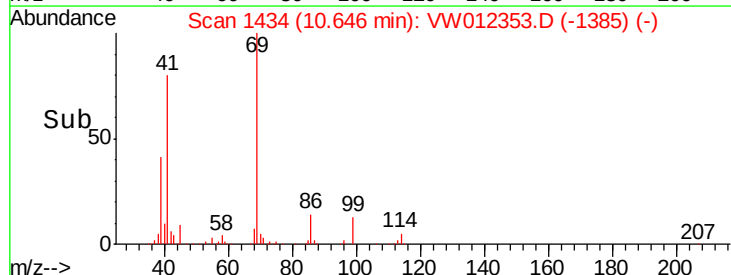
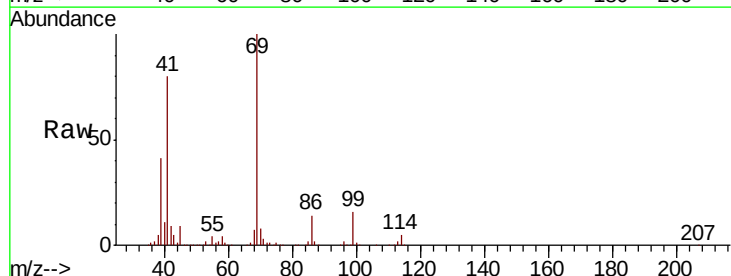
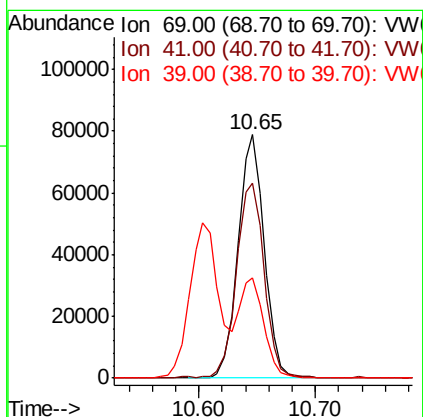
Manual Integrations
 APPROVED

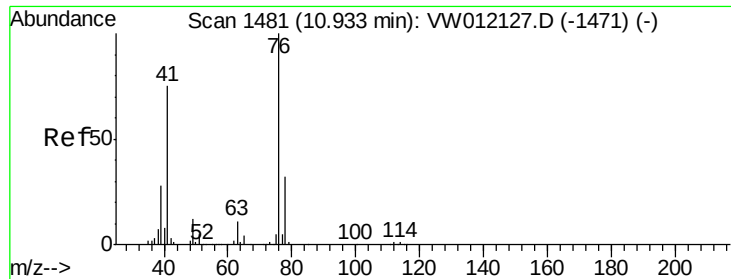
MMDadoda
 8/31/2019 9:11:25 AM



#56
 Ethyl methacrylate
 Concen: 63.741 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion:	69	Resp:	123283
Ion	Ratio	Lower	Upper
69	100		
41	83.9	66.5	99.7
39	38.5	31.0	46.4





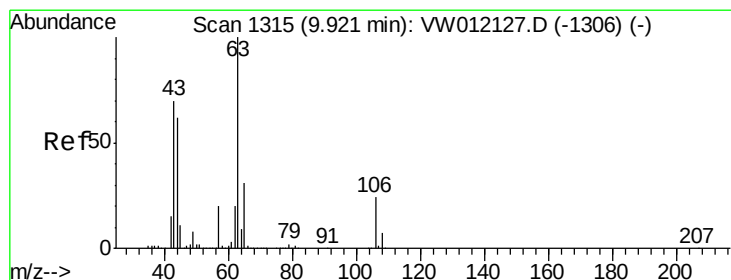
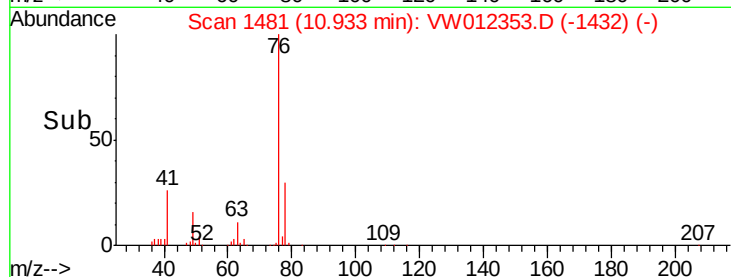
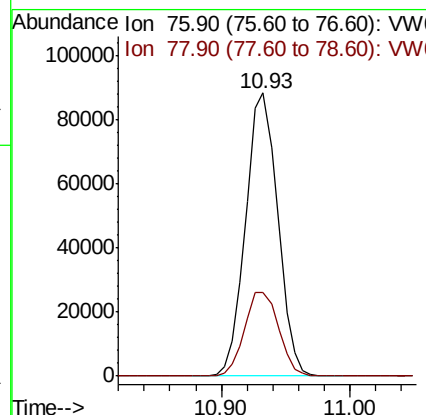
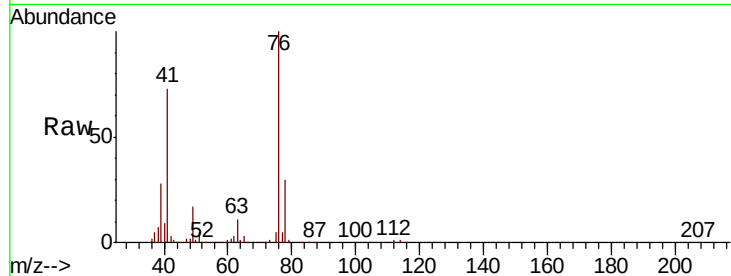
#57
 1,3-Dichloropropane
 Concen: 60.844 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion: 76 Resp: 152796
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.8

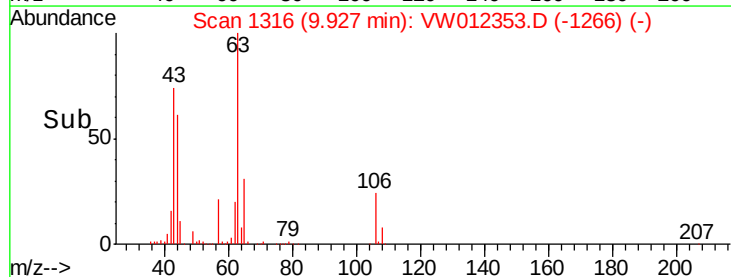
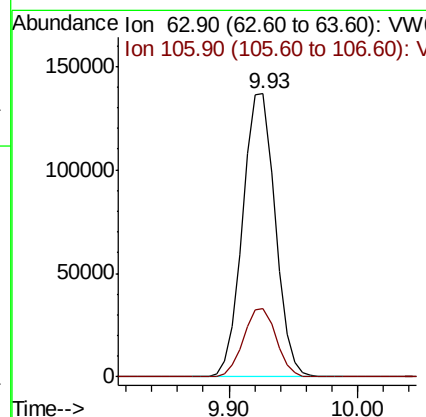
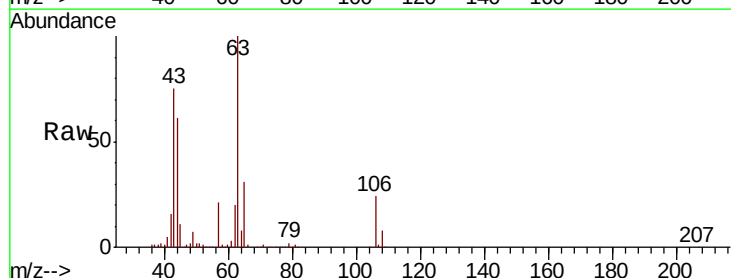
Manual Integrations
 APPROVED

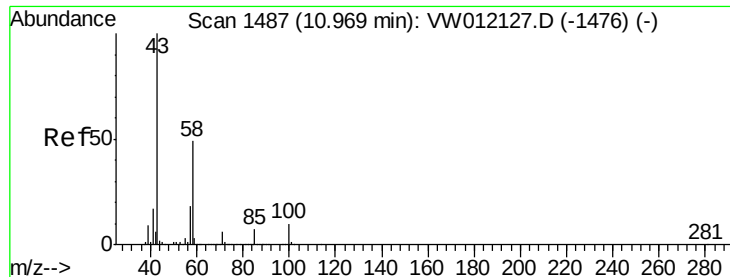
MMDadoda
 8/31/2019 9:11:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.117 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion: 63 Resp: 239340
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.8 29.8





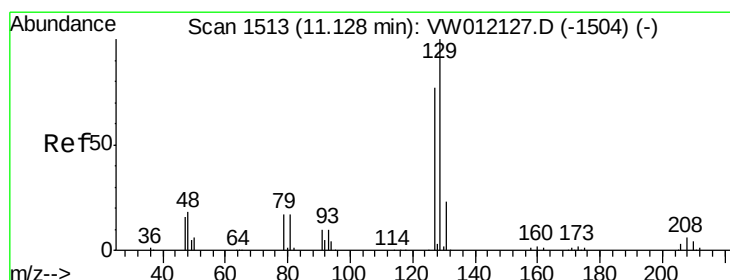
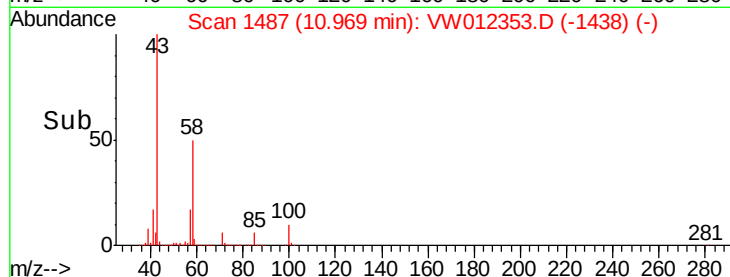
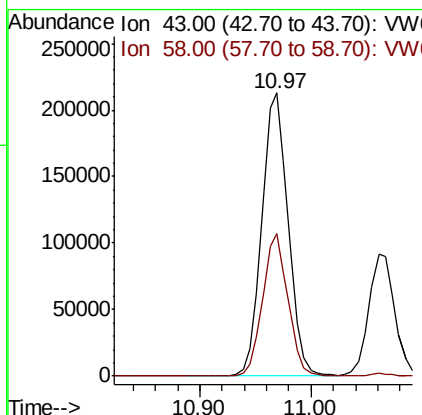
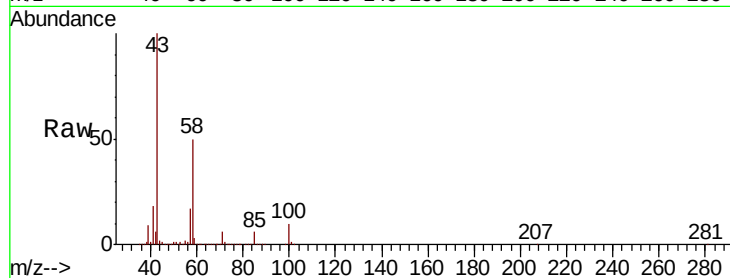
#59
2-Hexanone
Concen: 334.329 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	24.3	72.9

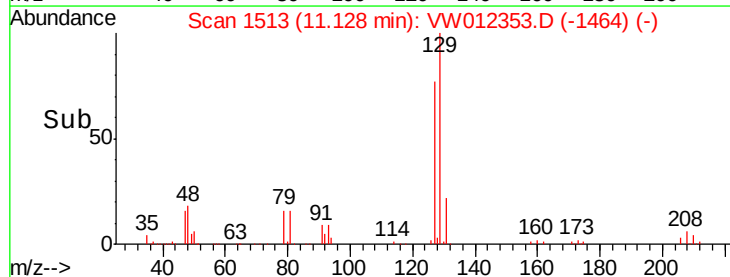
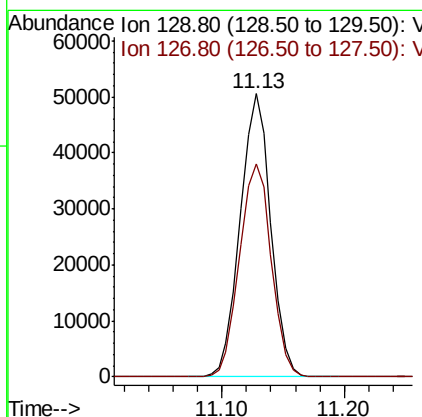
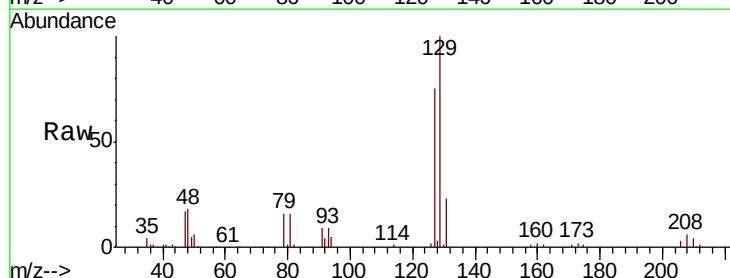
Manual Integrations
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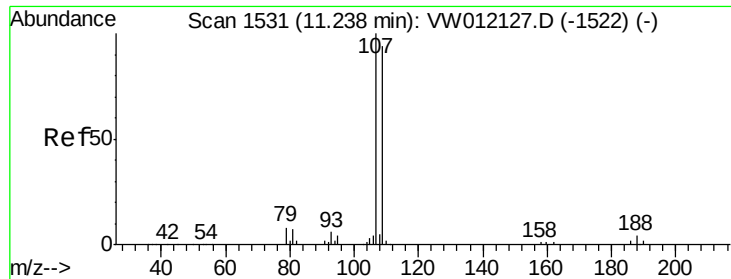
MMDadoda
8/31/2019 9:11:25 AM



#60
Dibromochloromethane
Concen: 58.982 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.6	115.8





#61

1,2-Dibromoethane

Concen: 61.423 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion: 107 Resp: 76045

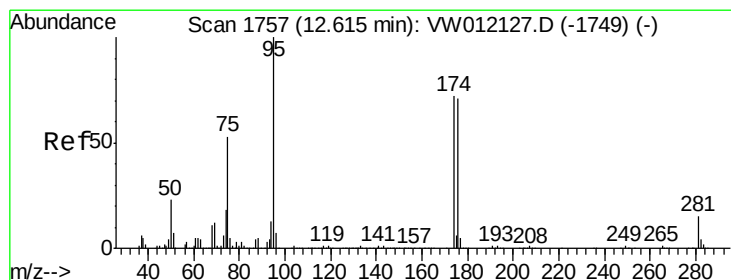
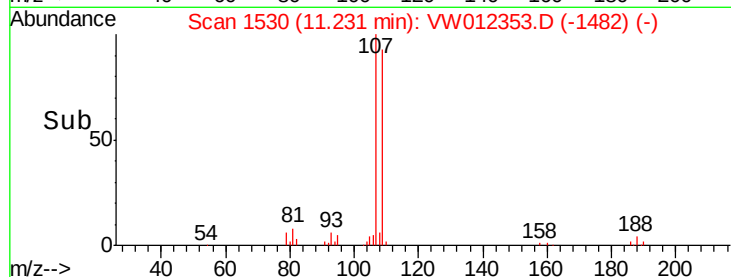
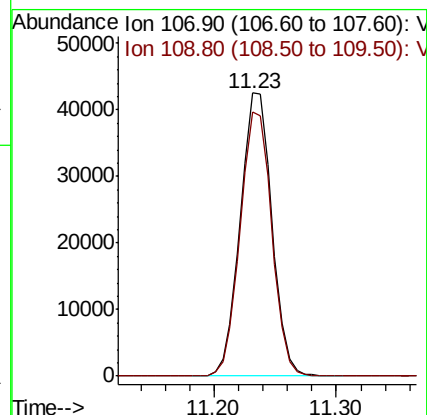
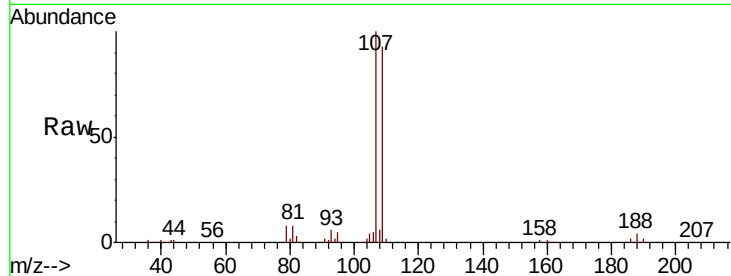
Ion Ratio Lower Upper

107 100

109 93.8 75.4 113.2

Manual Integrations
APPROVED

MMDadoda
8/31/2019 9:11:25 AM



#62

4-Bromofluorobenzene

Concen: 43.840 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

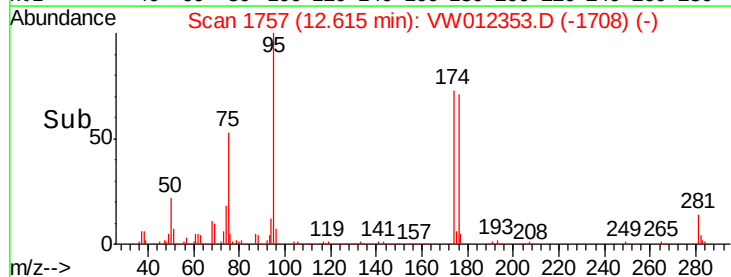
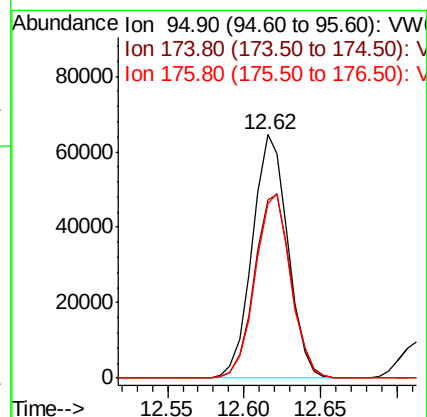
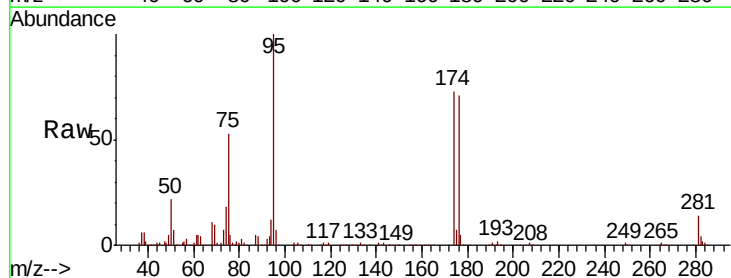
Tgt Ion: 95 Resp: 103968

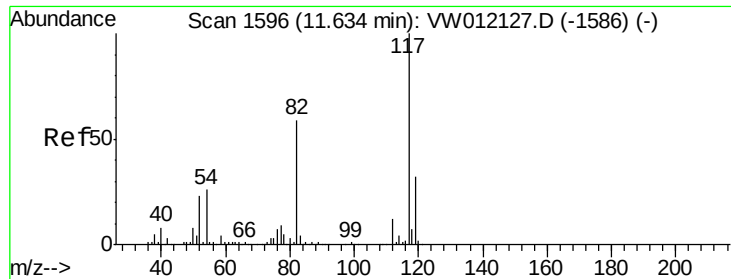
Ion Ratio Lower Upper

95 100

174 77.9 0.0 150.8

176 75.7 0.0 148.6





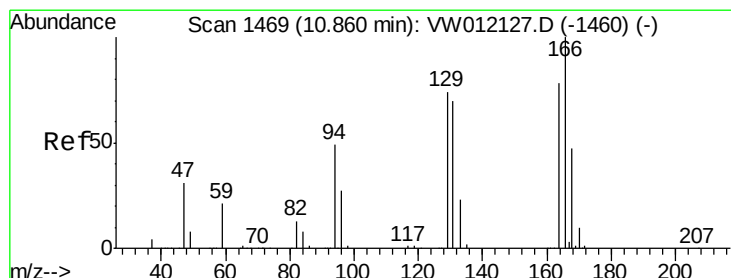
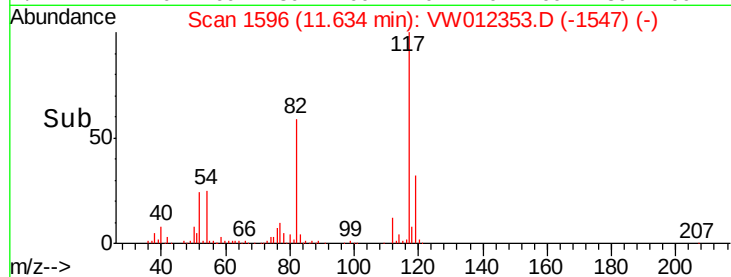
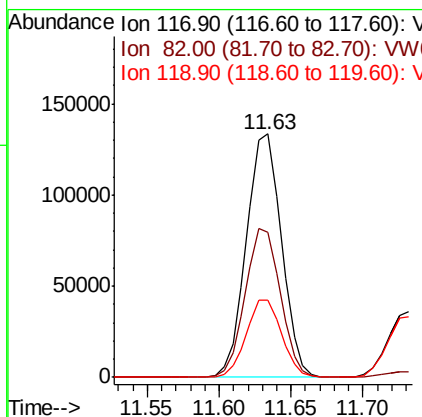
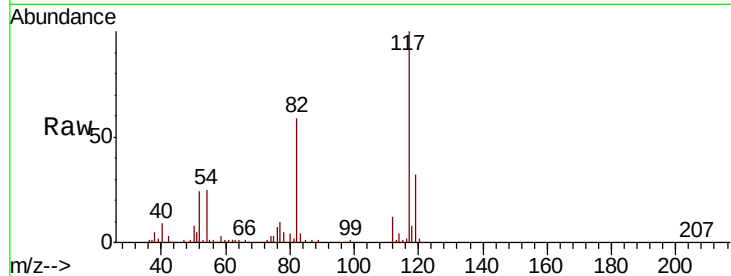
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	225678		
82	59.4		47.4	71.2
119	31.6		25.4	38.2

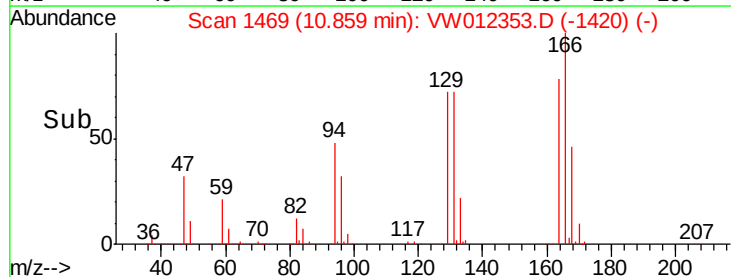
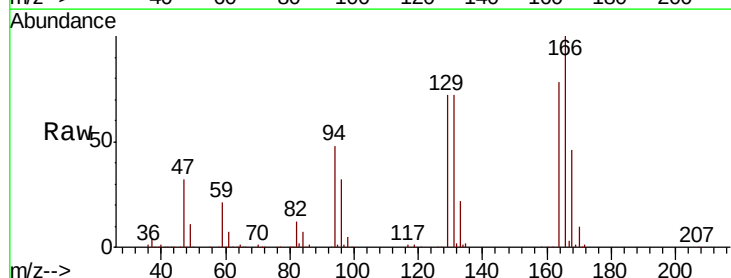
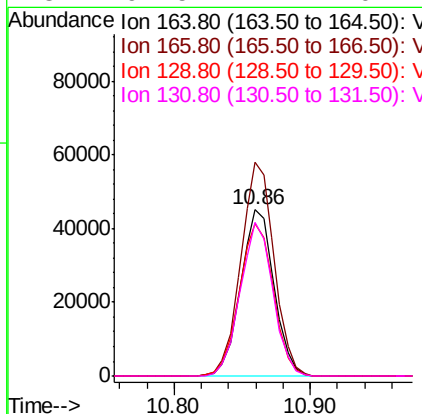
Manual Integrations
APPROVED

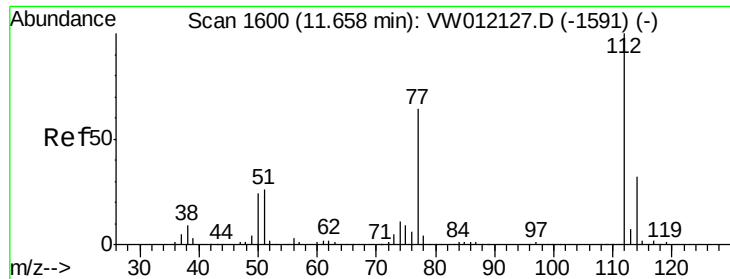
MMDadoda
8/31/2019 9:11:25 AM



#64
Tetrachloroethene
Concen: 52.629 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	77003		
166	128.5		102.4	153.6
129	91.9		75.8	113.6
131	92.5		71.4	107.2





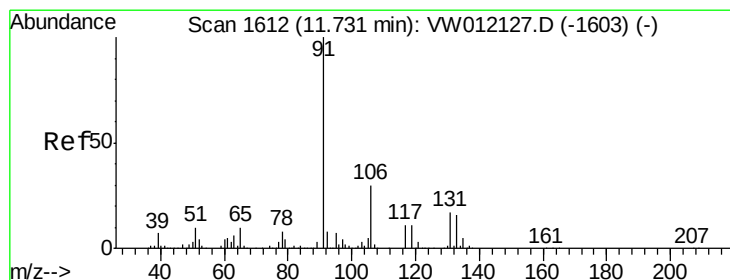
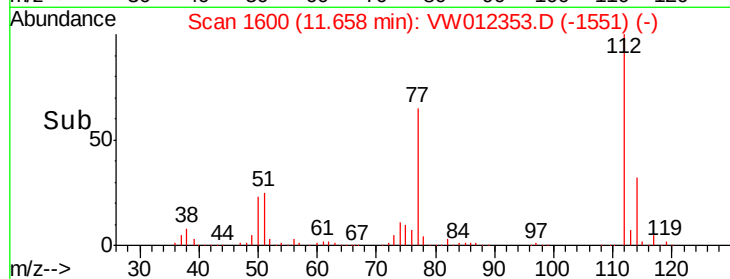
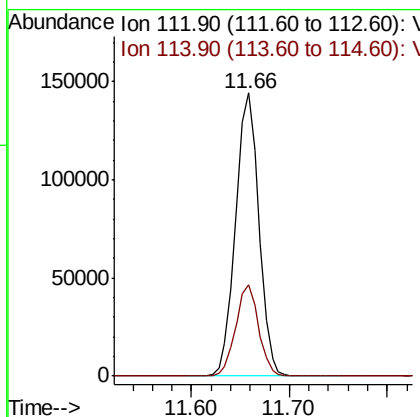
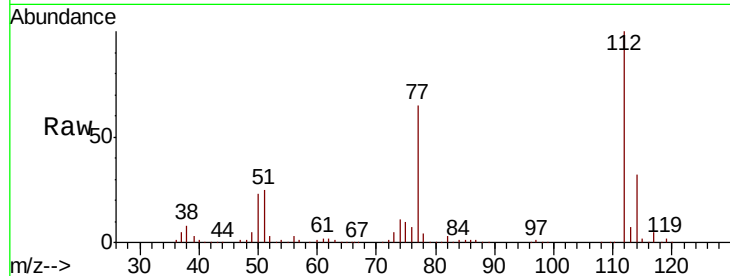
#65
Chlorobenzene
Concen: 53.795 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

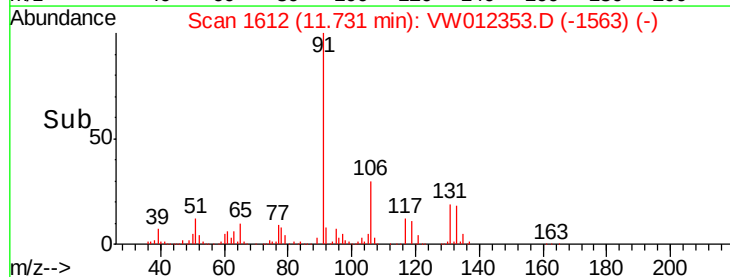
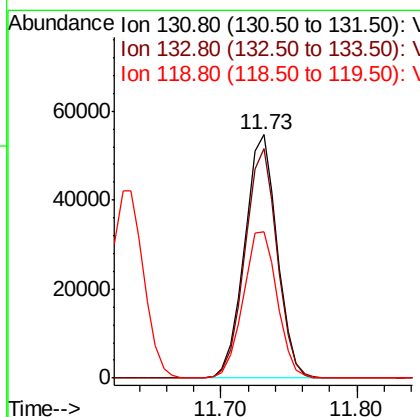
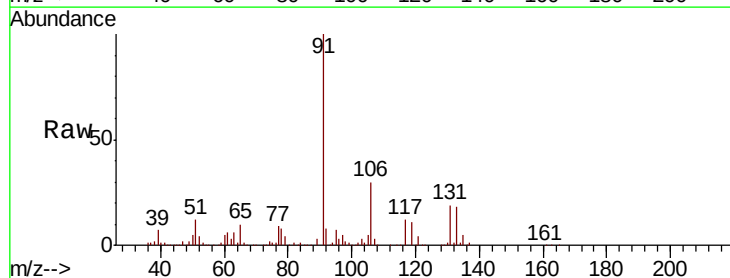
Manual Integrations
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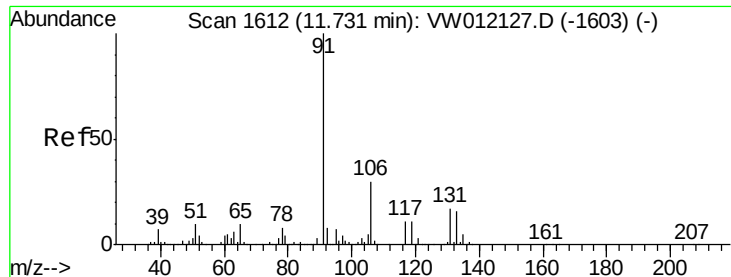
MMDadoda
8/31/2019 9:11:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 59.184 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.1	141.3
119	62.9	31.8	95.3





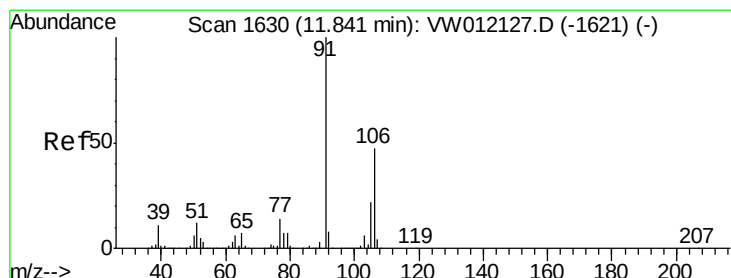
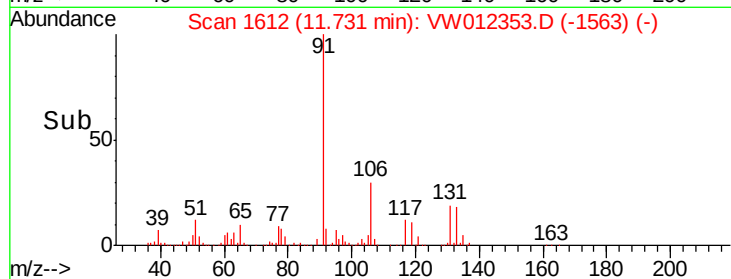
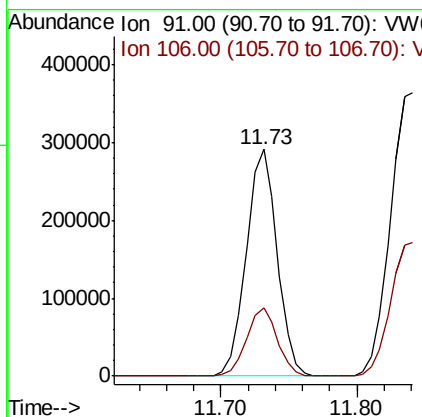
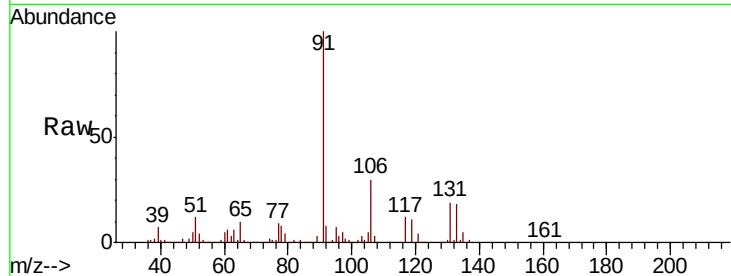
#67
Ethyl Benzene
Concen: 54.085 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.0	24.3	36.5	

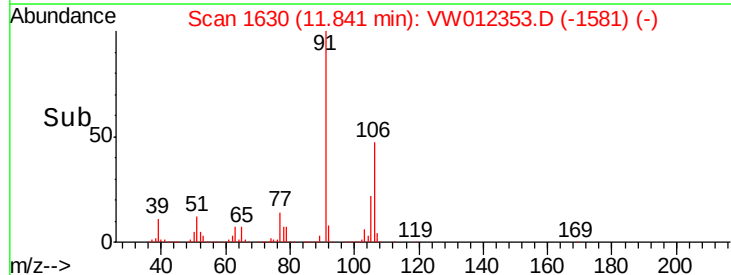
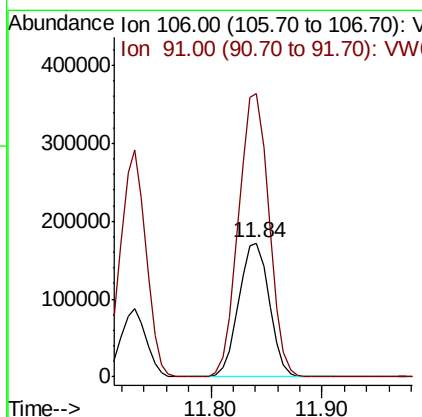
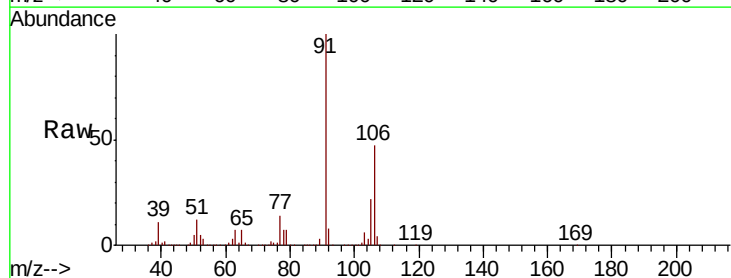
Manual Integrations
APPROVED

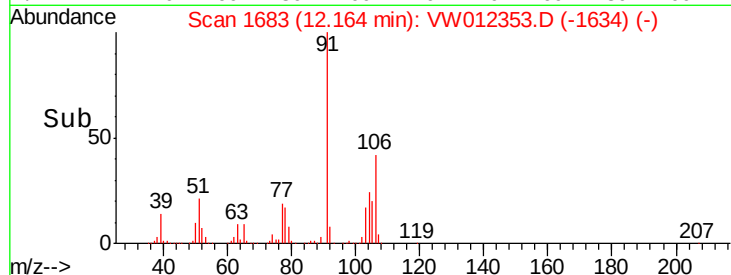
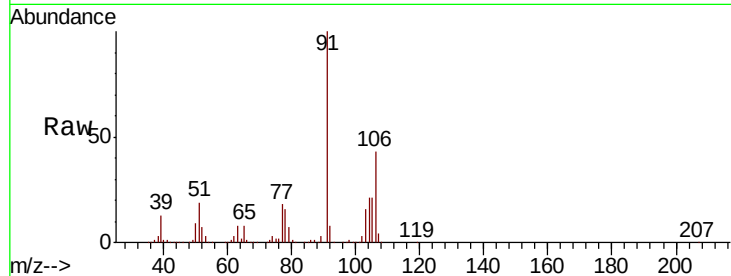
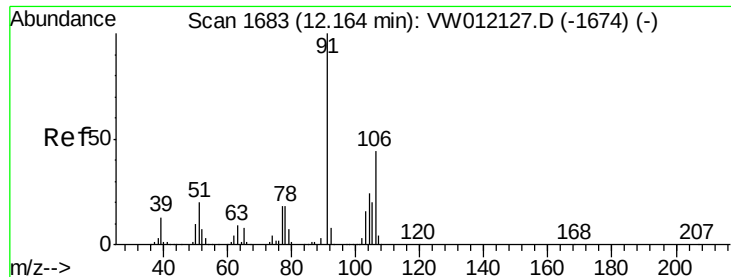
MMDadoda
8/31/2019 9:11:25 AM



#68
m/p-Xylenes
Concen: 106.223 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.2	169.5	254.3	





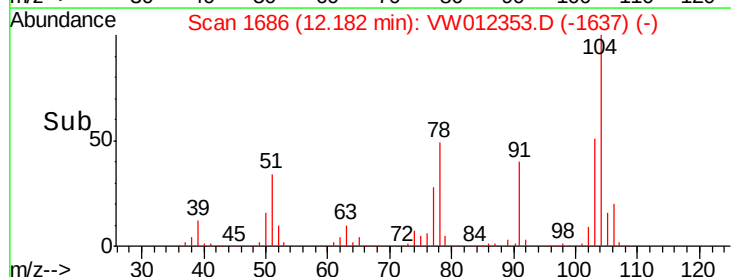
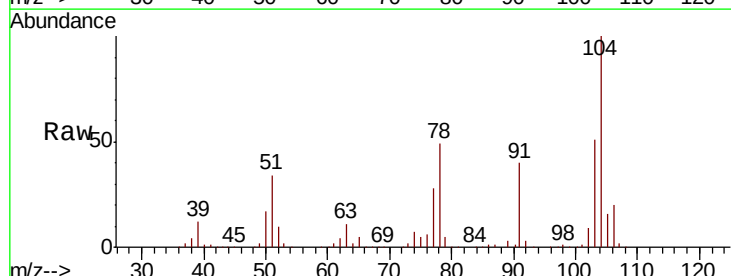
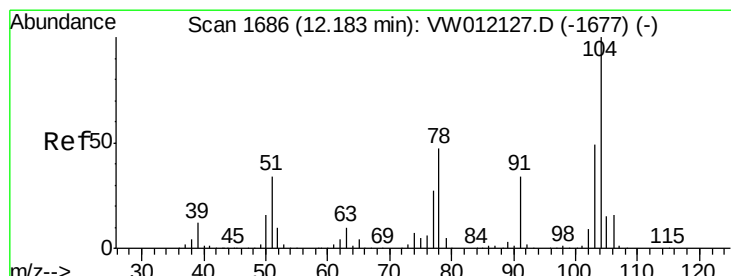
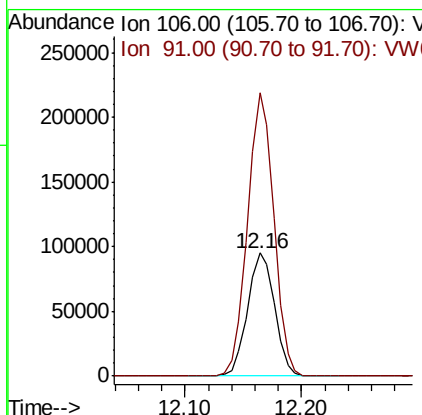
#69
o-Xylene
Concen: 53.950 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.6	334.6

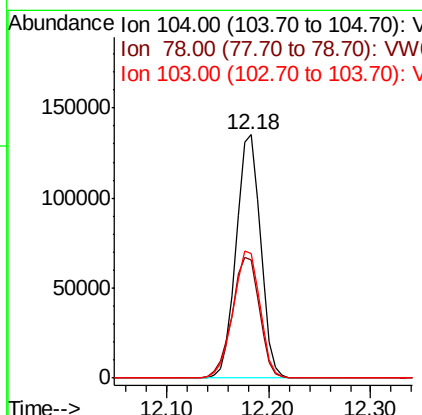
Manual Integrations
APPROVED

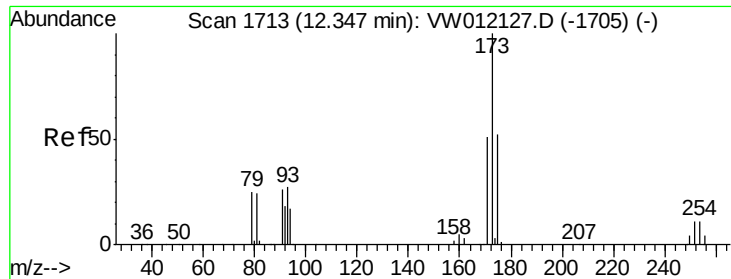
MMDadoda
8/31/2019 9:11:25 AM



#70
Styrene
Concen: 45.164 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.6	43.1	64.7
103	57.1	43.5	65.3





#71

Bromoform

Concen: 64.503 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

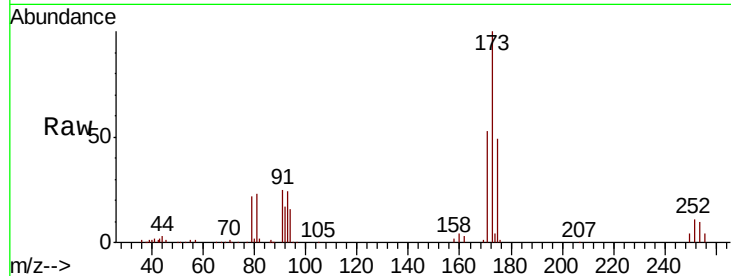
ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	74.0
254	0.1	0.2	0.2

Manual Integrations
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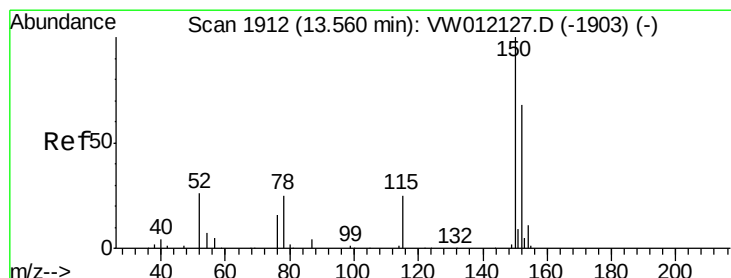
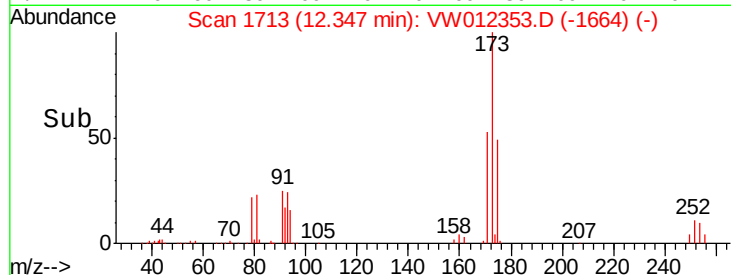
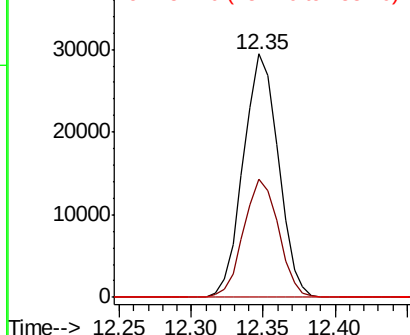


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

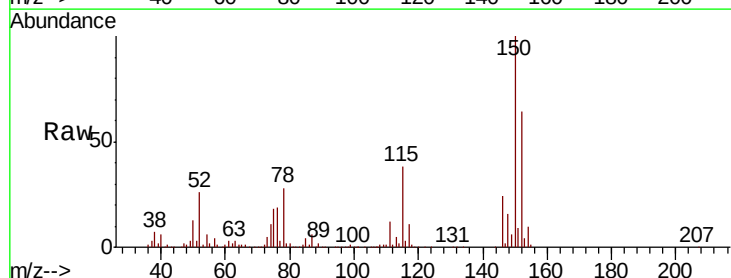
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	173.9	0.0	345.8

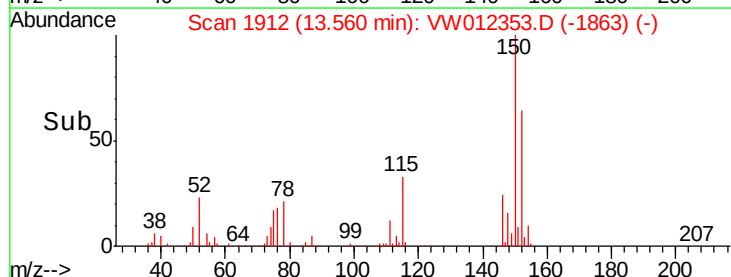
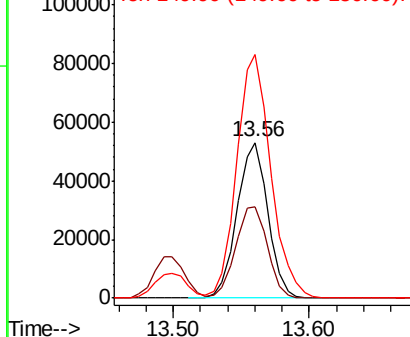


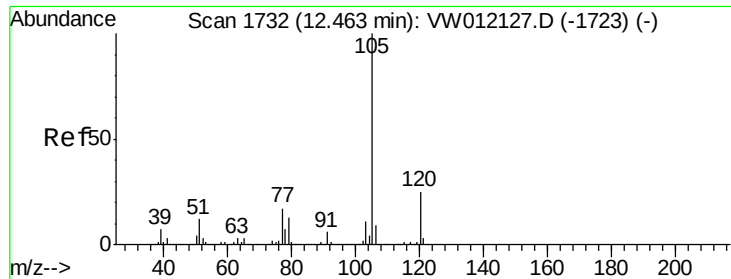
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





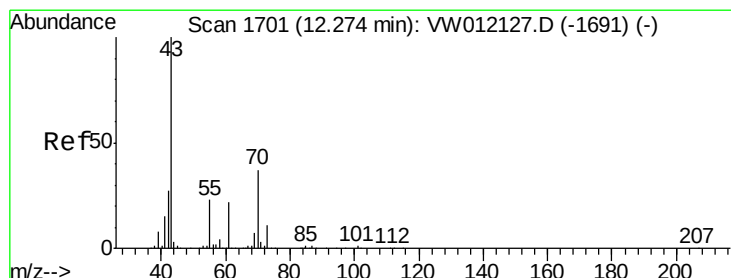
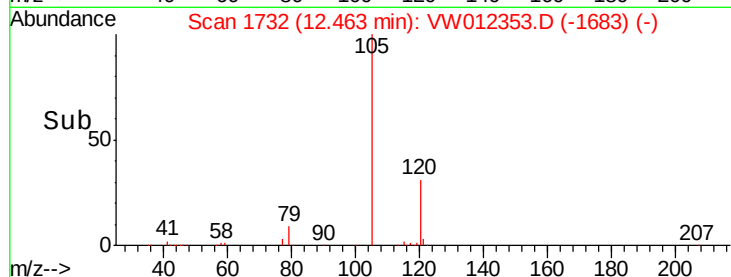
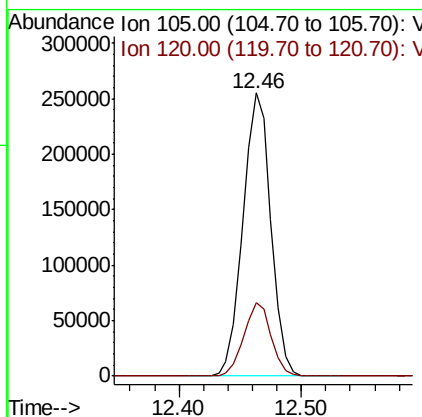
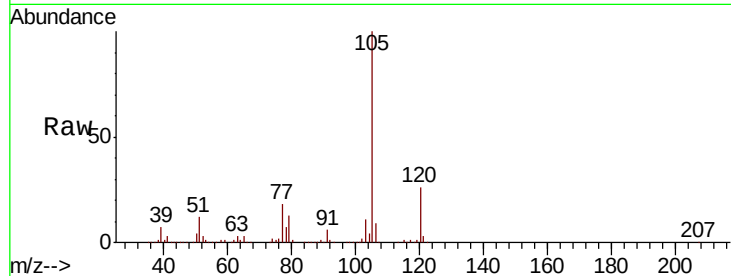
#73
Isopropylbenzene
Concen: 64.372 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.5	37.5

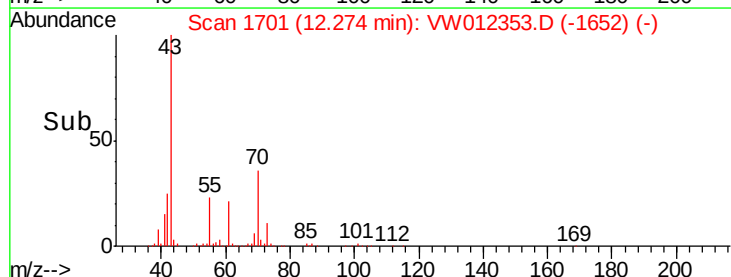
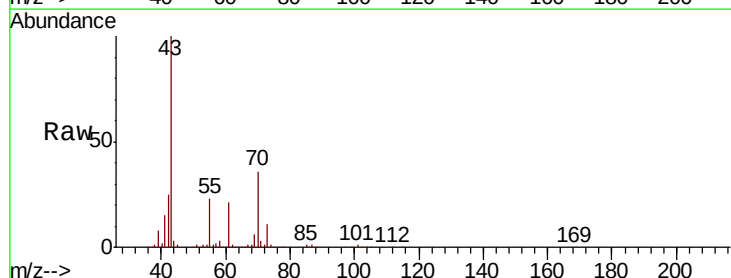
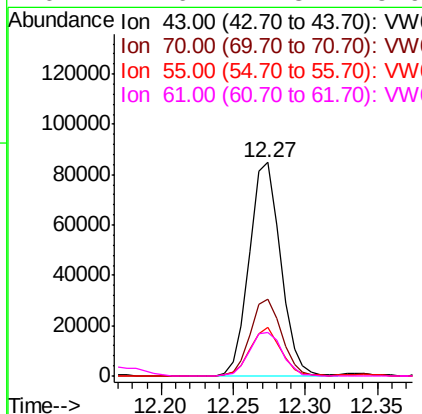
Manual Integrations
APPROVED

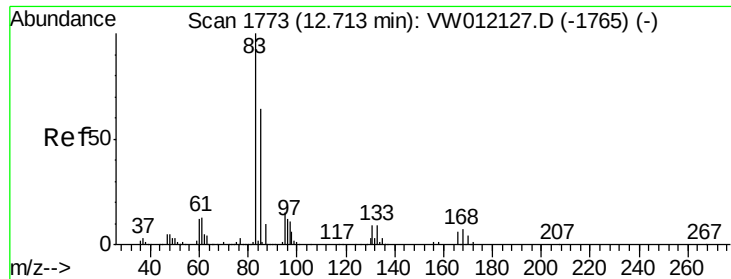
MMDadoda
8/31/2019 9:11:25 AM



#74
N-ethyl acetate
Concen: 67.511 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	28.6	43.0
55	22.3	17.8	26.6
61	21.6	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 84.538 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

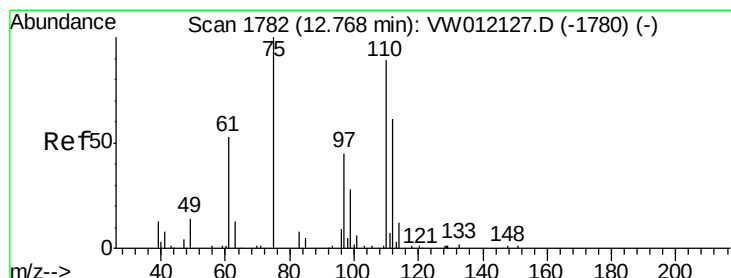
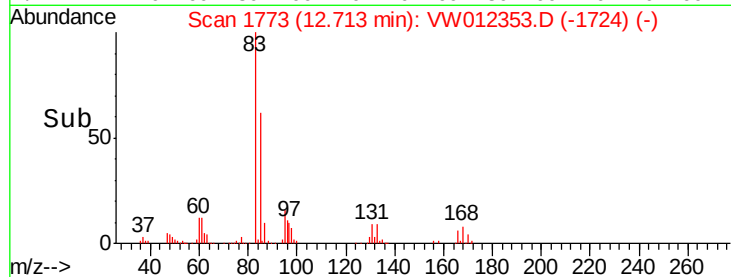
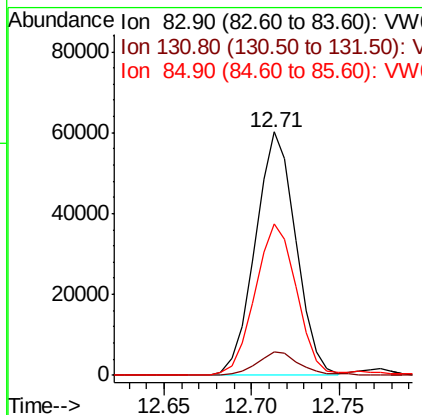
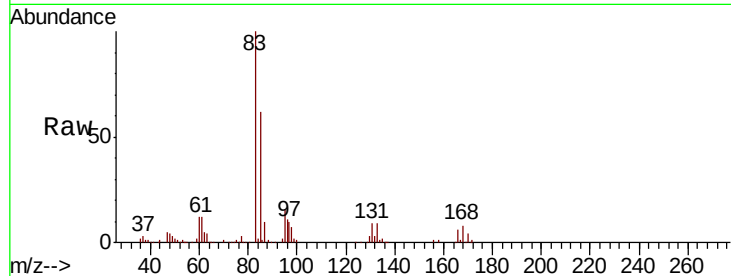
ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion:	83	Resp:	96980
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	63.4	31.9	95.7

Manual Integrations
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8/31/2019 9:11:25 AM



#76

1,2,3-Trichloropropane

Concen: 84.211 ug/l m

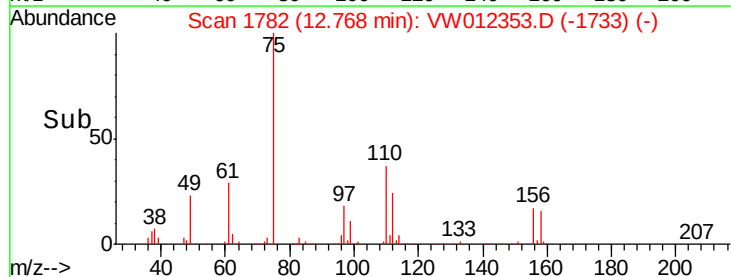
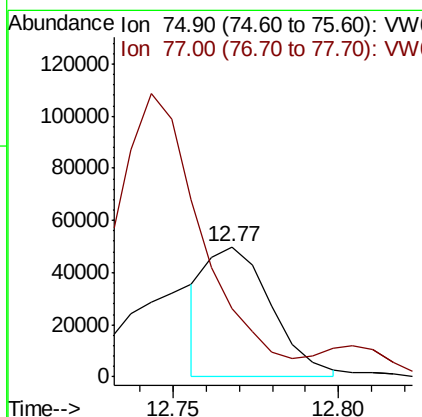
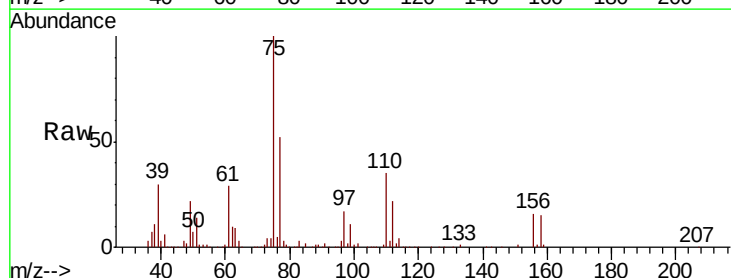
RT: 12.77 min Scan# 1782

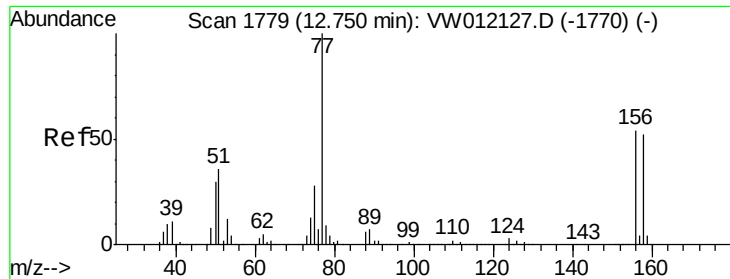
Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Tgt Ion:	75	Resp:	68490
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 66.856 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

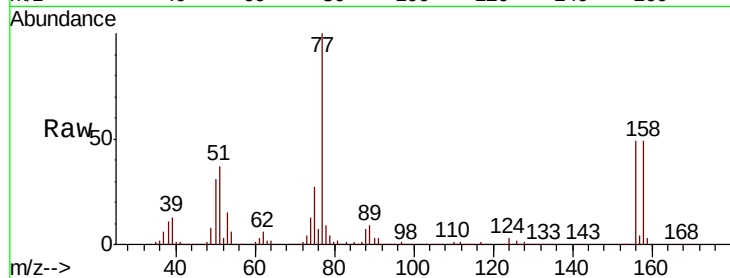
ClientSampleId :

S505-K2-9.5-10.0-082919MSD

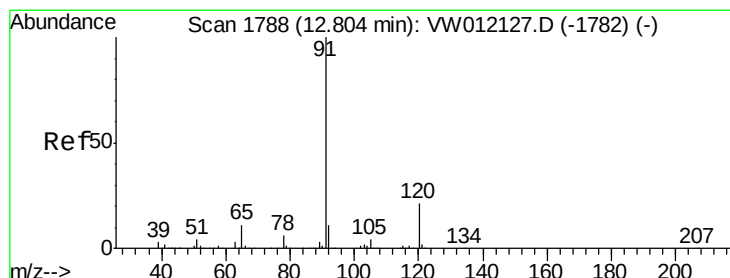
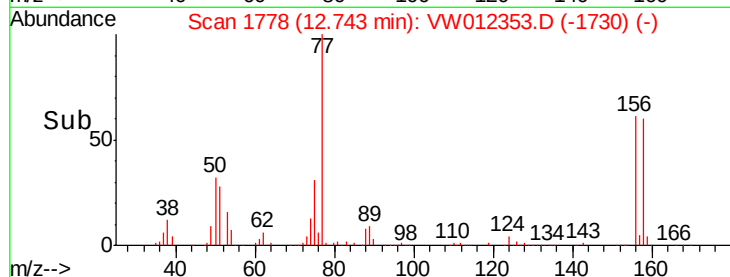
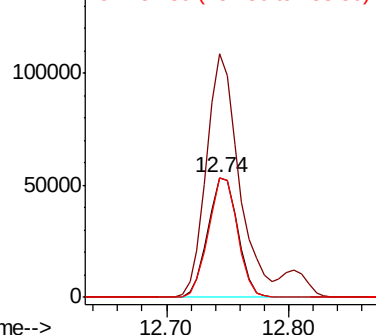
Tot Ion:	156	Resp:	90505
Ion Ratio	Lower	Upper	
156	100		
77	220.2	107.3	321.8
158	97.2	49.0	147.0

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.247 ug/l

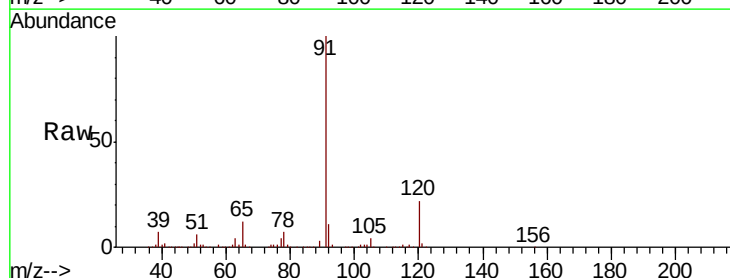
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

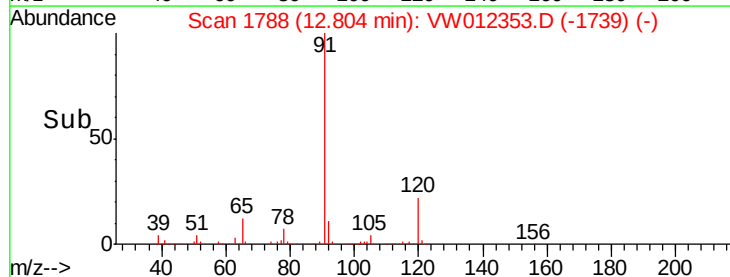
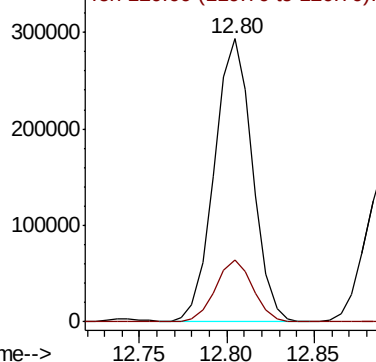
Lab File: VW012353.D

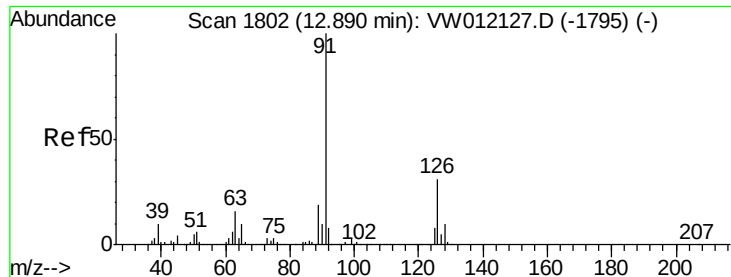
Acq: 30 Aug 2019 16:33

Tgt Ion:	91	Resp:	444955
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.5	31.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 60.178 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion: 91 Resp: 260994

Ion Ratio Lower Upper

91 100

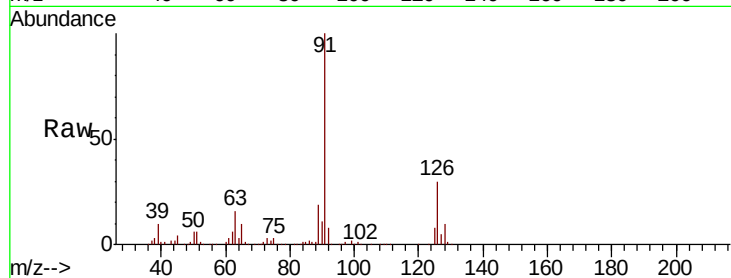
126 31.2 15.7 47.0

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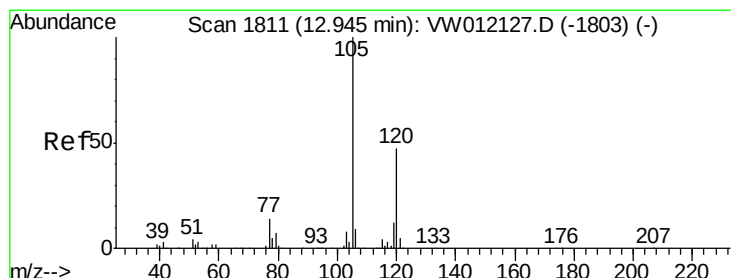
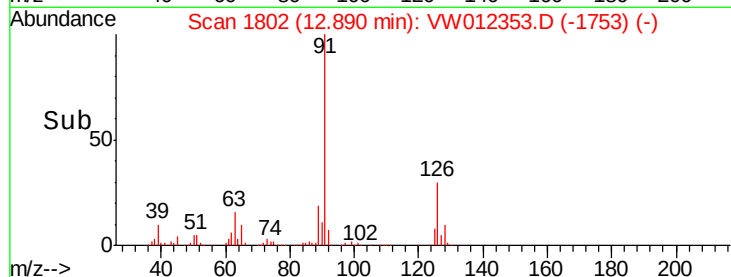
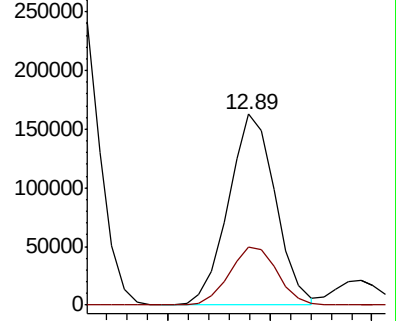
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 59.070 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012353.D

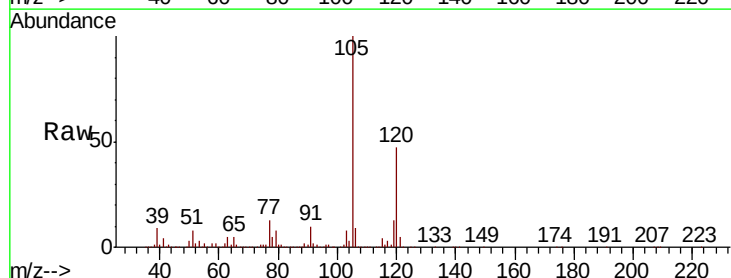
Acq: 30 Aug 2019 16:33

Tgt Ion:105 Resp: 308858

Ion Ratio Lower Upper

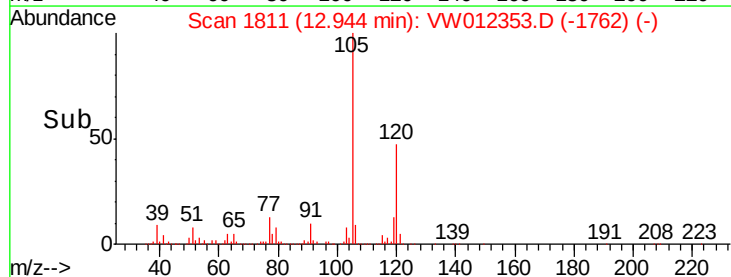
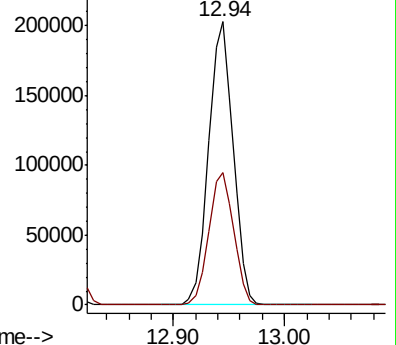
105 100

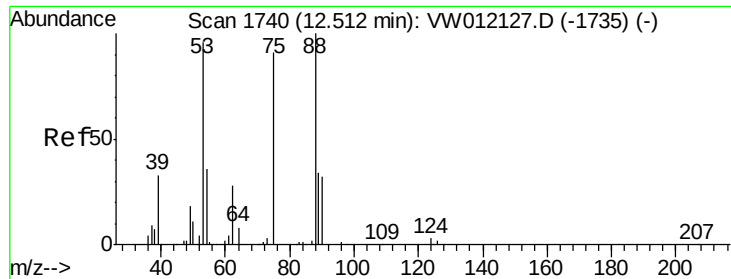
120 47.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





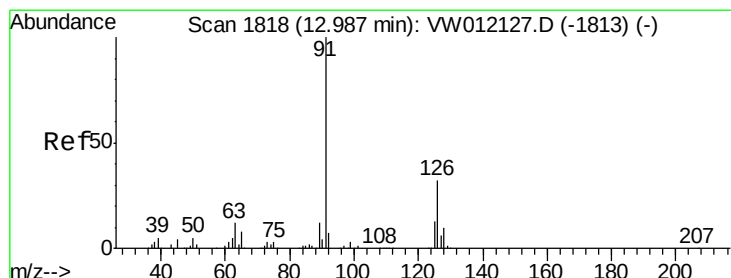
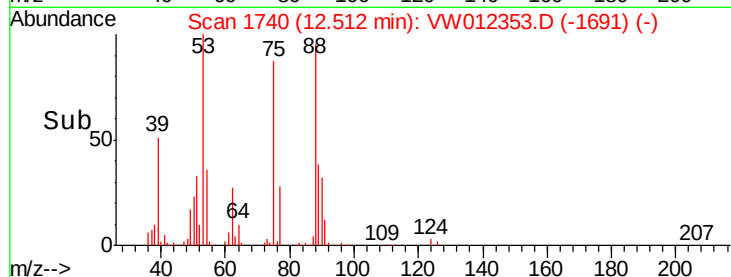
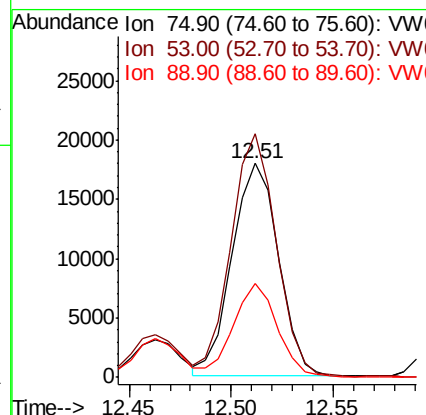
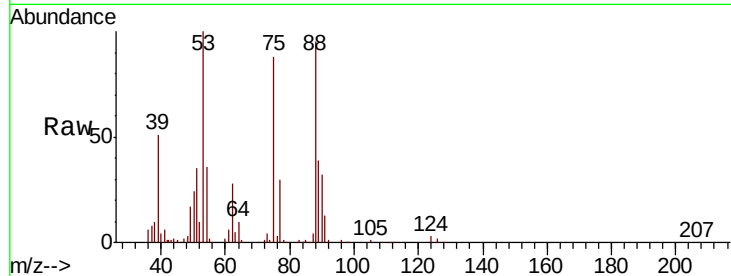
#81
trans-1,4-Dichloro-2-butene
Concen: 76.579 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.2	89.4	134.0
89	41.2	34.5	51.7

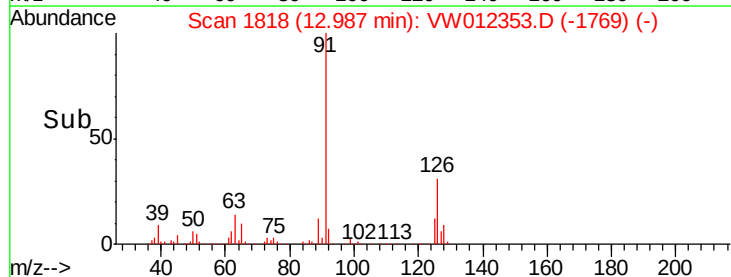
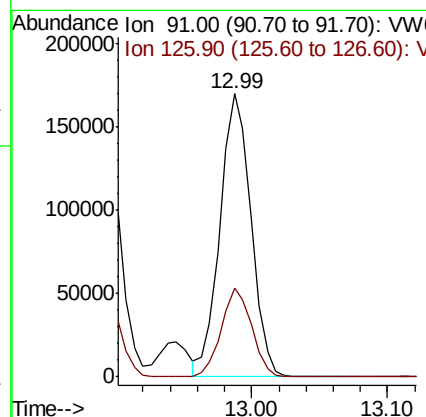
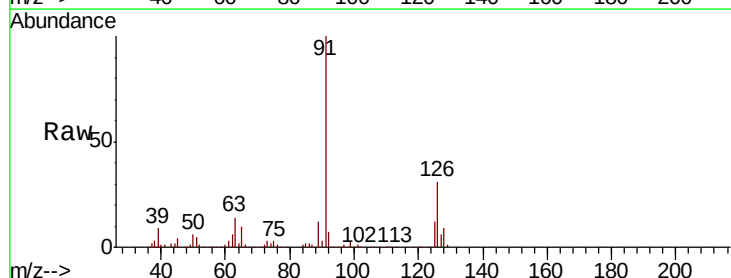
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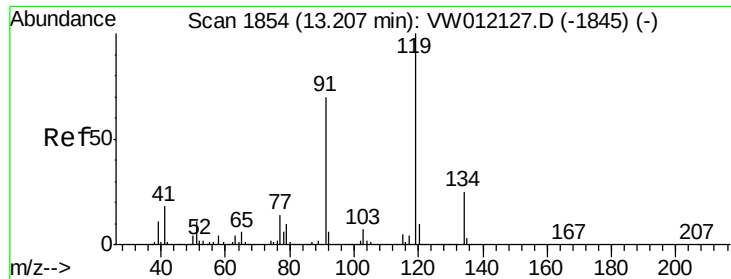
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#82
4-Chlorotoluene
Concen: 58.985 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.8





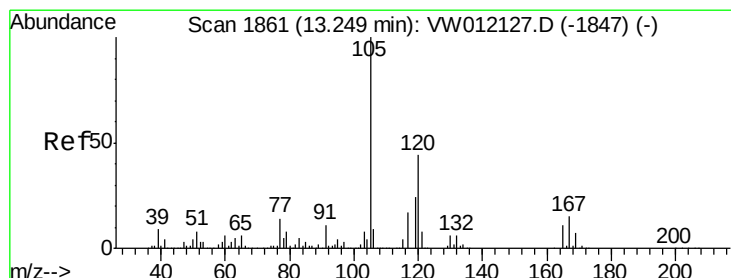
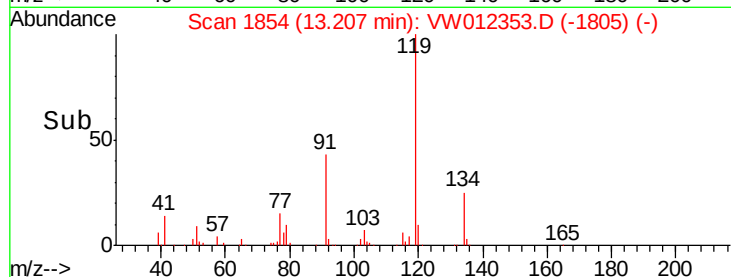
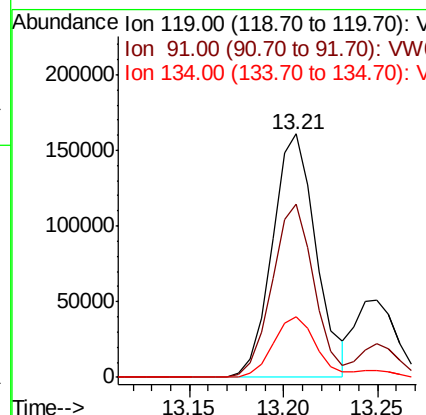
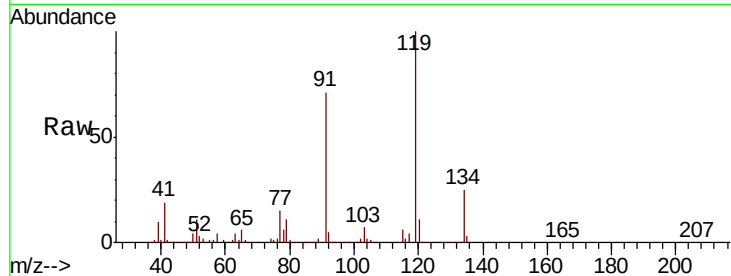
#83
 tert-Butylbenzene
 Concen: 58.353 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258452		
91	68.3		34.8	104.3
134	24.7		13.3	39.8

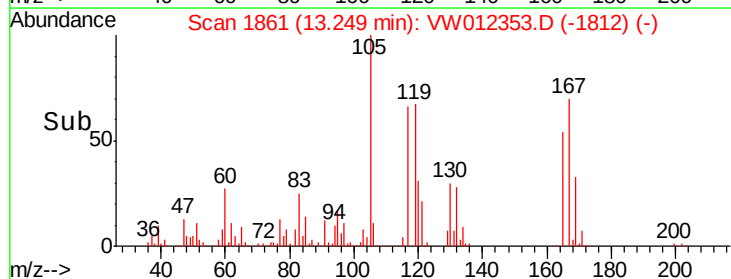
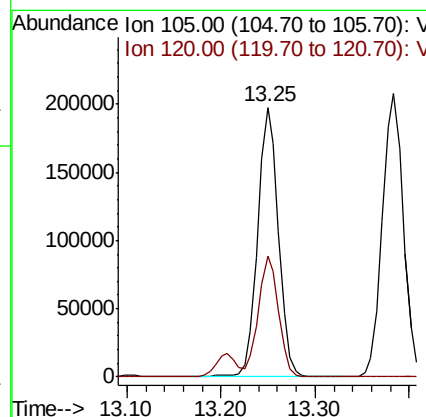
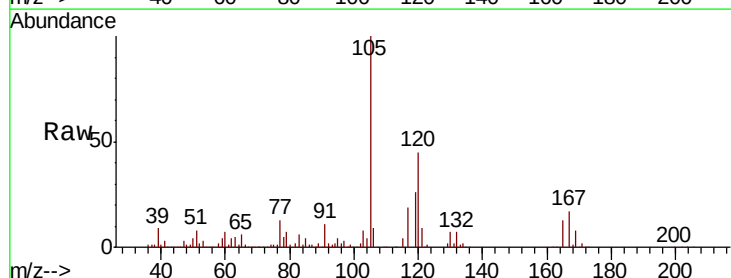
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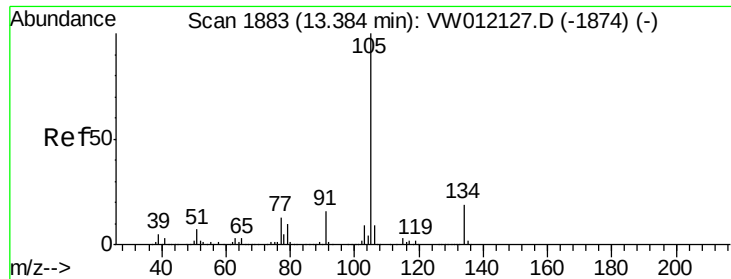
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.539 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307471		
120	43.4		21.9	65.7





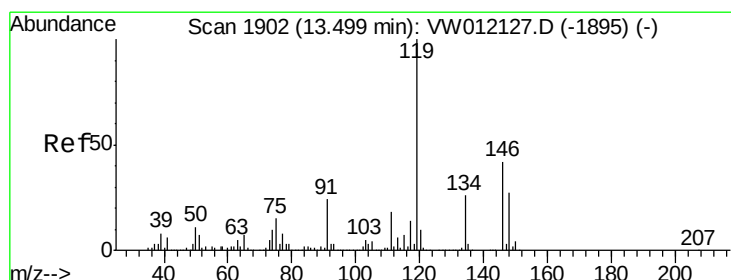
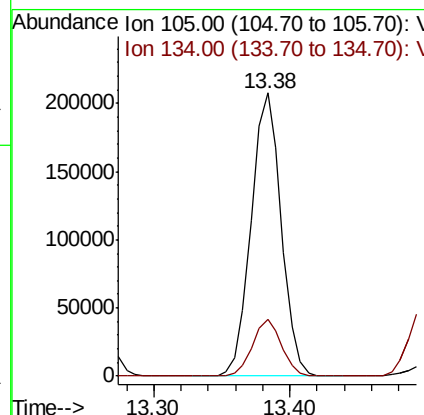
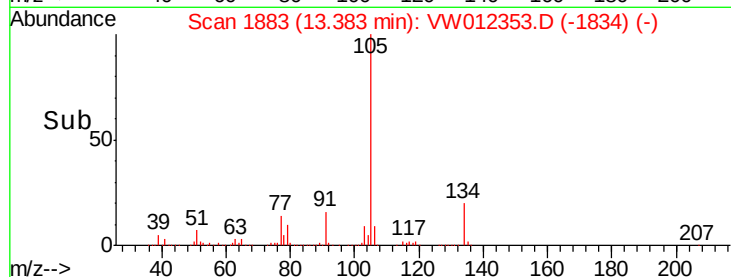
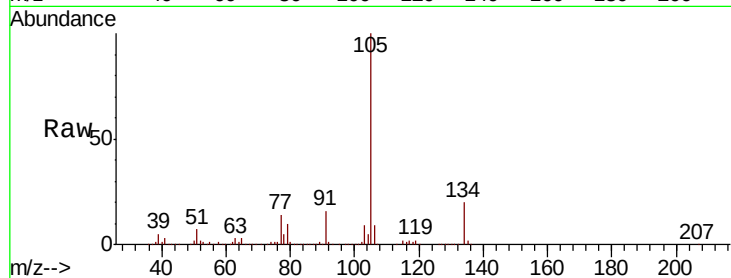
#85
 sec-Butylbenzene
 Concen: 50.577 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

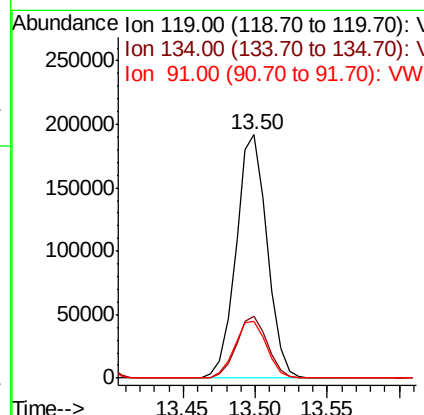
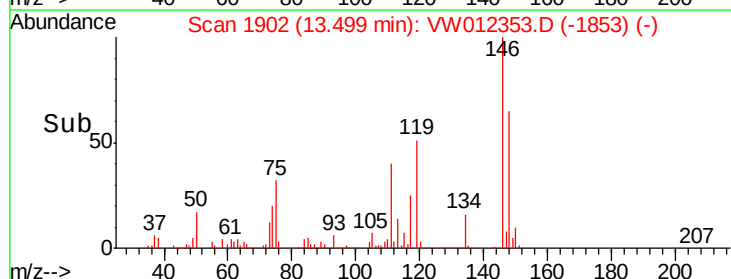
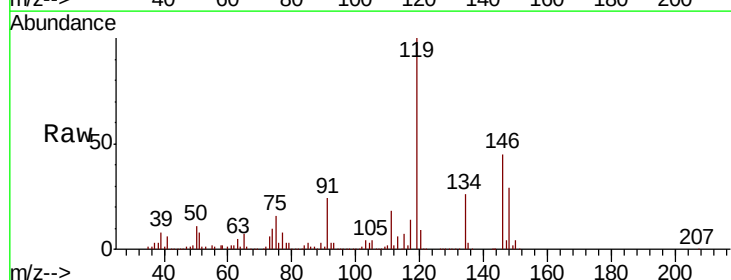
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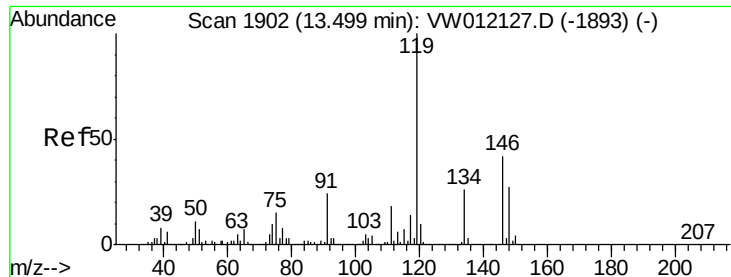
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#86
 p-Isopropyltoluene
 Concen: 50.584 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	24.3	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 52.289 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Instrument :

MSVOA_W

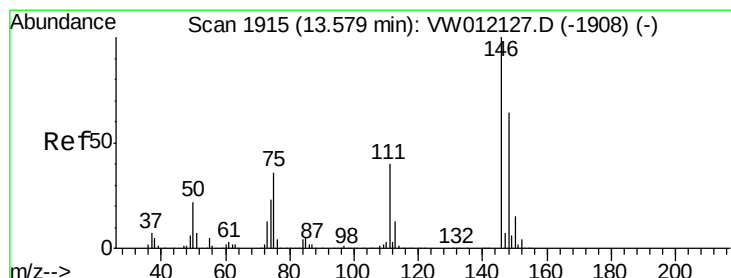
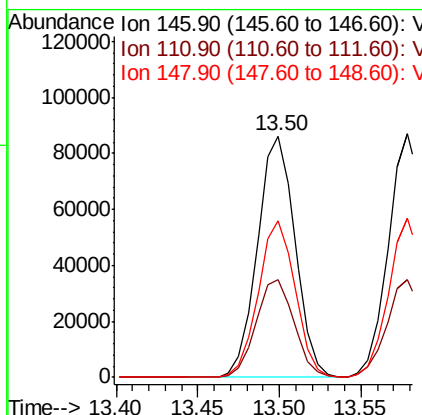
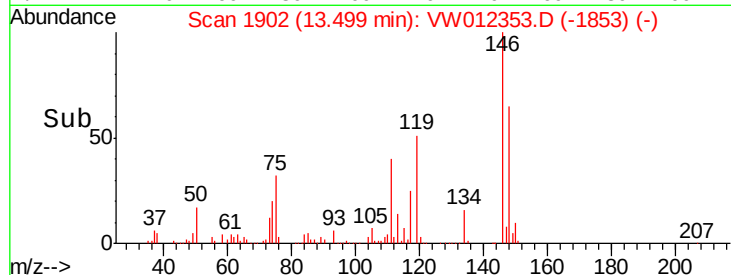
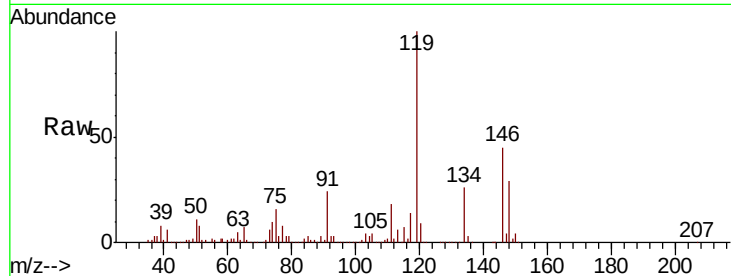
ClientSampleId :

S505-K2-9.5-10.0-082919MSD

Tot Ion:	146	Resp:	138453
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.9	62.7
148	63.5	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 52.764 ug/l

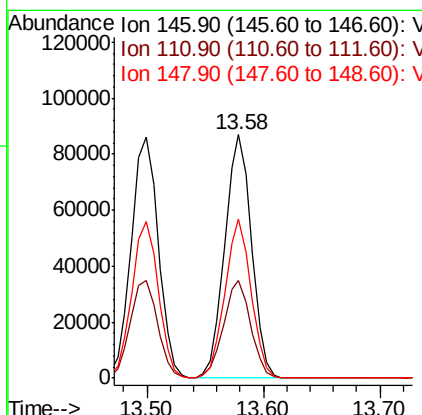
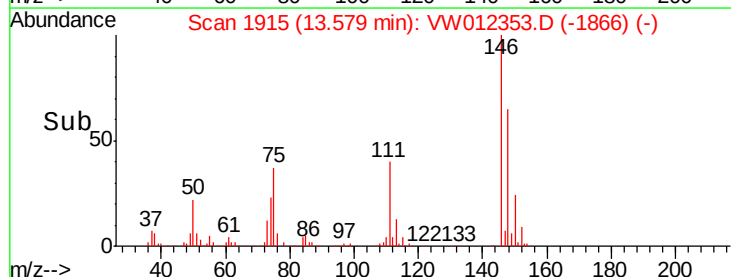
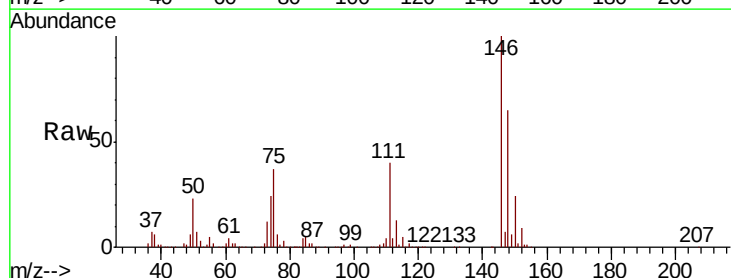
RT: 13.58 min Scan# 1915

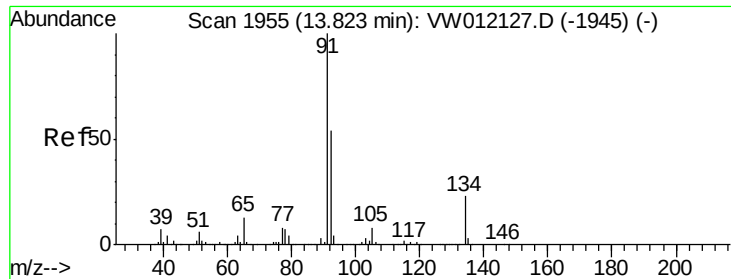
Delta R.T. -0.00 min

Lab File: VW012353.D

Acq: 30 Aug 2019 16:33

Tgt Ion:	146	Resp:	138723
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	60.0
148	63.7	32.1	96.3





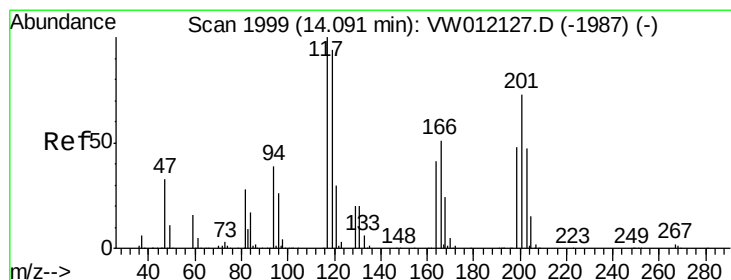
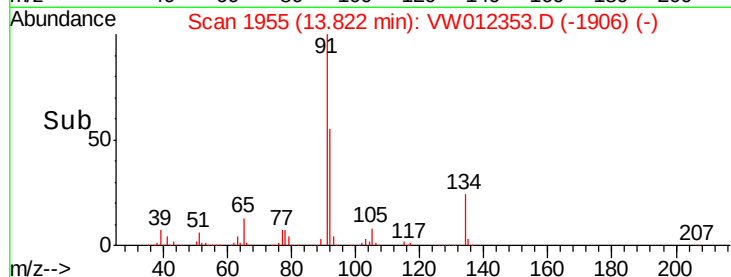
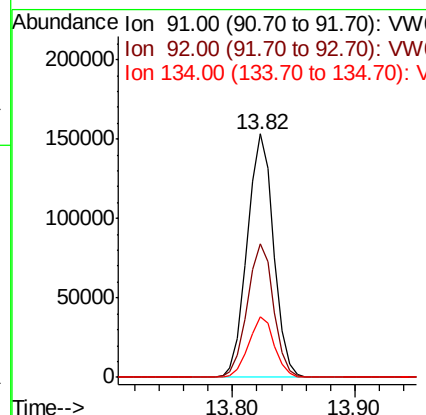
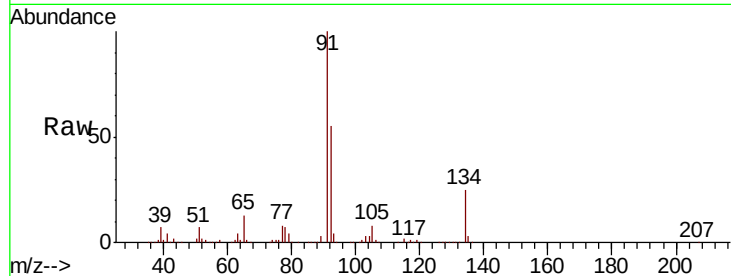
#89
n-Butylbenzene
Concen: 40.639 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	229017		
92	54.4		27.1	81.2
134	24.3		12.2	36.4

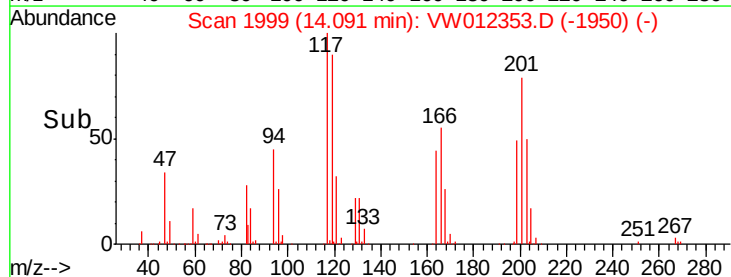
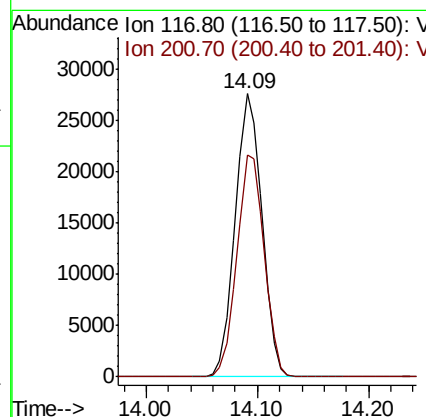
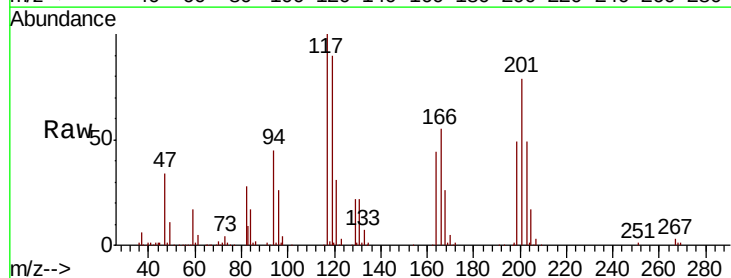
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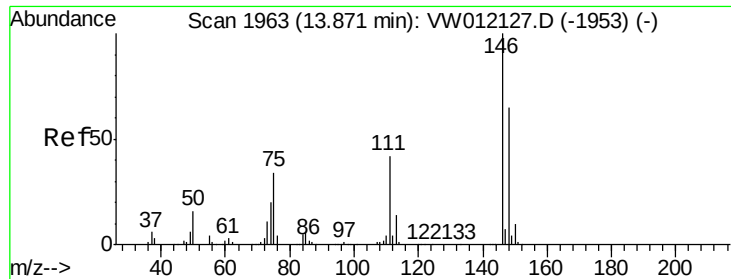
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#90
Hexachloroethane
Concen: 46.413 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	46146		
201	79.7		38.6	115.7





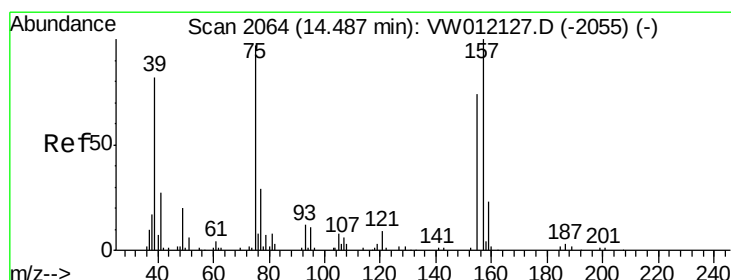
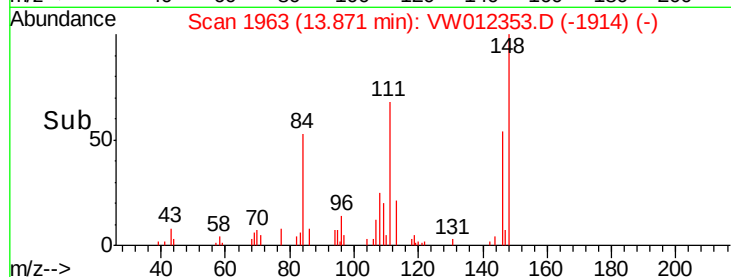
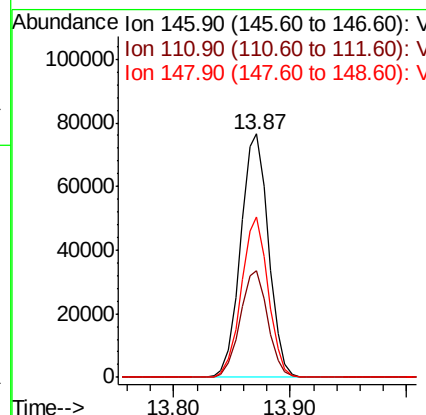
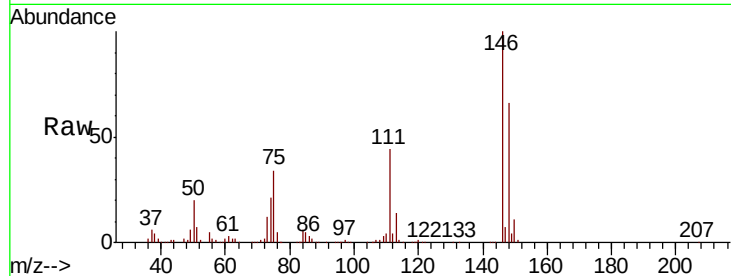
#91
 1,2-Dichlorobenzene
 Concen: 54.775 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	63.6	32.5	97.4

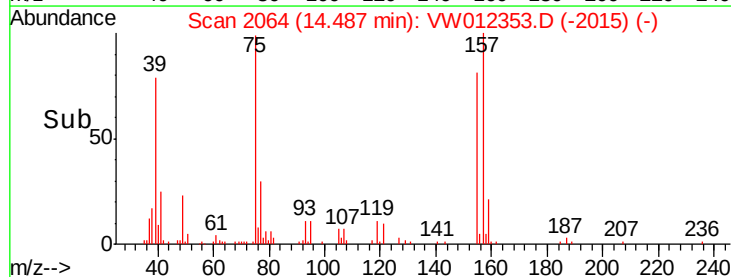
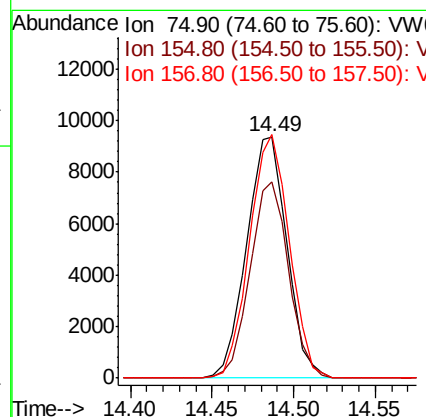
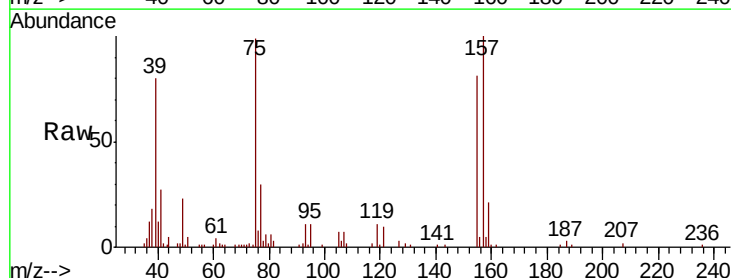
Manual Integrations
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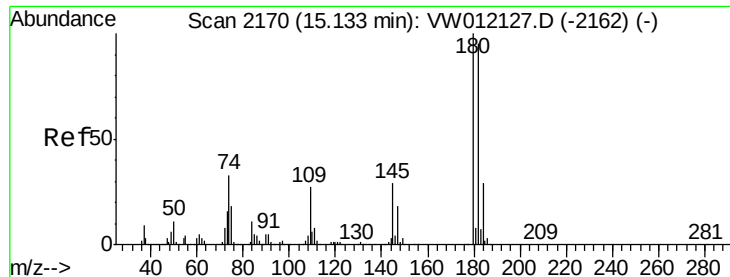
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.477 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	37.5	112.3
157	99.0	50.5	151.5





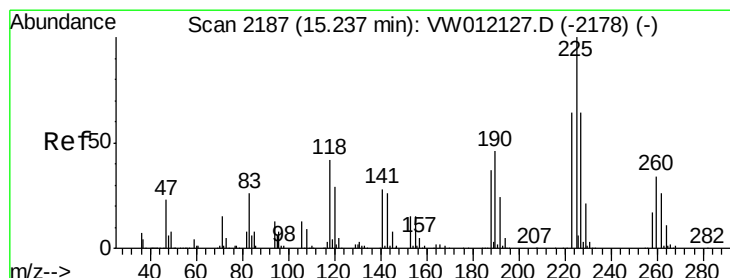
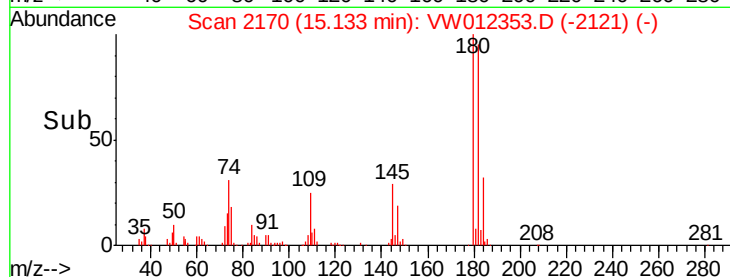
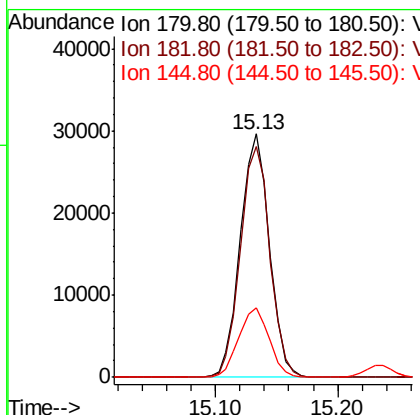
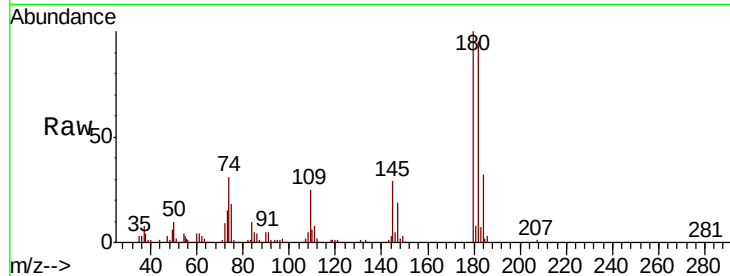
#93
 1,2,4-Trichlorobenzene
 Concen: 30.435 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48855		
182	96.1	47.8	143.4	
145	29.9	15.0	45.1	

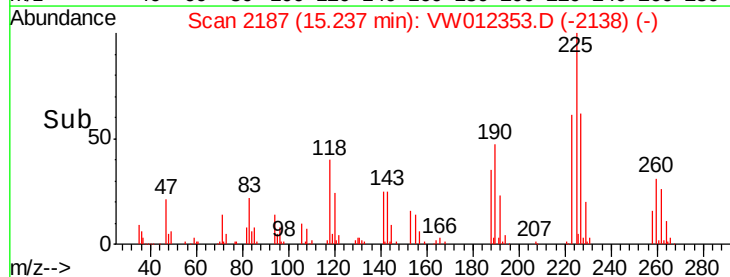
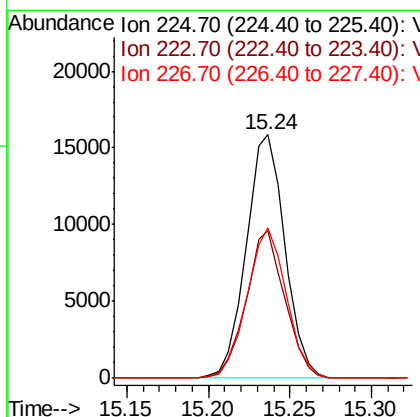
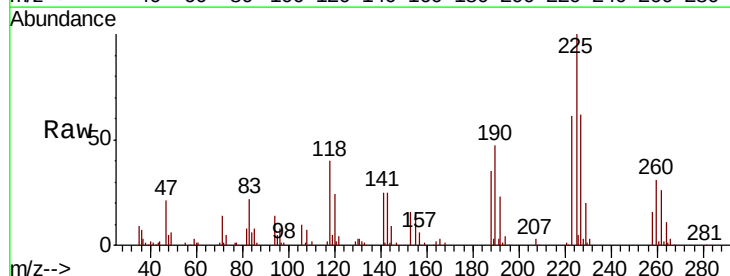
Manual Integrations
 APPROVED

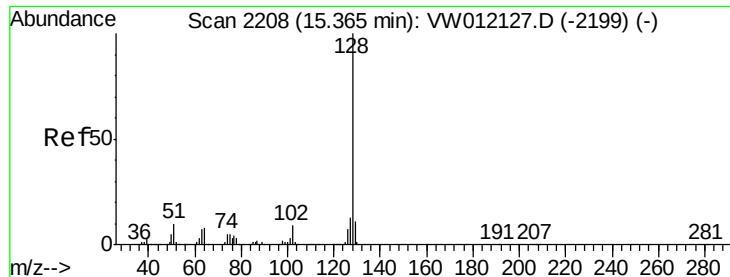
MMDadoda
 8/31/2019 9:11:25 AM



#94
 Hexachlorobutadiene
 Concen: 24.609 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012353.D
 Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26084		
223	60.8	32.3	96.8	
227	62.6	32.9	98.6	





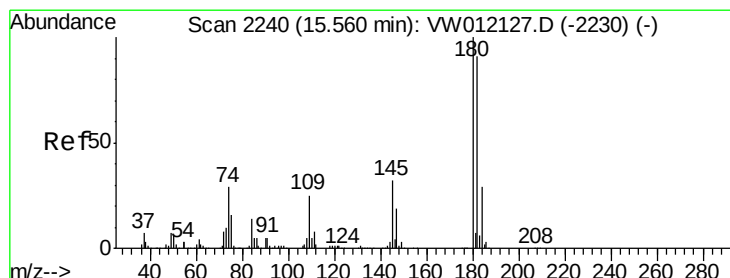
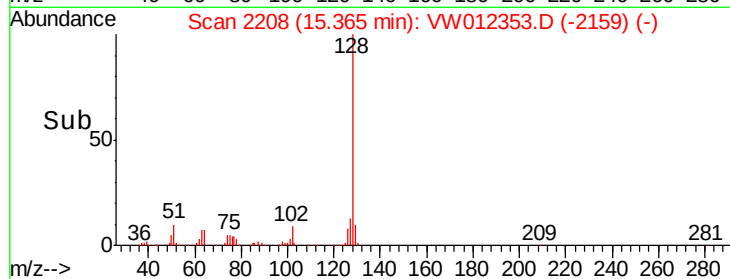
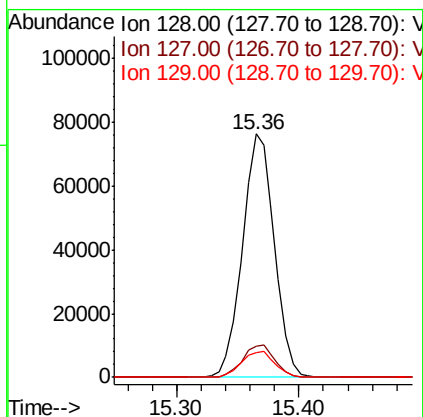
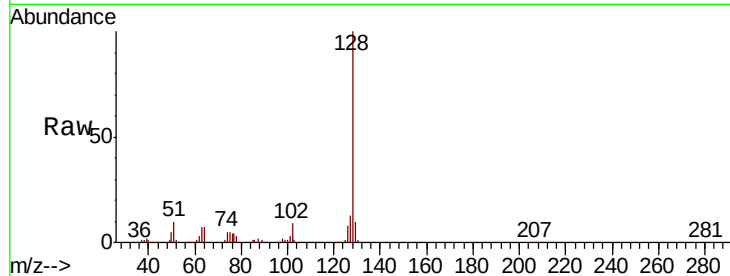
#95
Naphthalene
Concen: 44.340 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919MSD

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

Manual Integrations
APPROVED

MMDadoda
8/31/2019 9:11:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 30.351 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012353.D
Acq: 30 Aug 2019 16:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.3
145	32.5	16.2	48.5

