

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011534.D
 Acq On : 27 Jul 2019 00:00
 Operator : SY/VA
 Sample : VW0727SBS02
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:19:33 AM

Quant Time: Jul 27 06:50:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132461	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.88	113	103903	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
50) Toluene-d8	10.32	98	422237	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.62	95	153129	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	28814	23.045	ug/l	98
3) Chloromethane	2.21	50	46410	21.406	ug/l	98
4) Vinyl Chloride	2.36	62	54154	20.747	ug/l	100
5) Bromomethane	2.77	94	29014	20.082	ug/l	94
6) Chloroethane	2.92	64	30016	20.131	ug/l	99
7) Trichlorofluoromethane	3.25	101	21192	18.166	ug/l	97
8) Diethyl Ether	3.68	74	29415	22.239	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44554	20.134	ug/l	98
10) Methyl Iodide	4.27	142	66051	21.121	ug/l	100
11) Tert butyl alcohol	5.17	59	23973	116.577	ug/l	98
12) 1,1-Dichloroethene	4.04	96	47967	20.529	ug/l	99
13) Acrolein	3.89	56	17410	94.186	ug/l	98
14) Allyl chloride	4.67	41	98567	19.834	ug/l	98
15) Acrylonitrile	5.37	53	71253	107.917	ug/l	99
16) Acetone	4.12	43	66707	81.402	ug/l	96
17) Carbon Disulfide	4.38	76	144947	19.821	ug/l	98
18) Methyl Acetate	4.67	43	43639	23.705	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	82176	22.163	ug/l	94
20) Methylene Chloride	4.92	84	58198	20.592	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	51861	20.588	ug/l	98
22) Diisopropyl ether	6.31	45	205533	21.937	ug/l	96
23) Vinyl Acetate	6.25	43	613137	104.146	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106016	21.127	ug/l	99
25) 2-Butanone	7.17	43	108524	101.207	ug/l	97
26) 2,2-Dichloropropane	7.16	77	59423	19.256	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	57435	20.717	ug/l	96
28) Bromochloromethane	7.51	49	48434	21.746	ug/l #	99
29) Tetrahydrofuran	7.52	42	68302	111.434	ug/l	99
30) Chloroform	7.67	83	97183	20.993	ug/l	97
31) Cyclohexane	7.95	56	95380	19.802	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	72004	20.423	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77630	19.704	ug/l	99
37) Ethyl Acetate	7.25	43	48539	21.414	ug/l	98
38) Carbon Tetrachloride	8.07	117	63944	18.959	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	84894	19.568	ug/l	99
40) Benzene	8.32	78	225250	20.411	ug/l	100
41) Methacrylonitrile	7.48	41	31386	23.163	ug/l	94
42) 1,2-Dichloroethane	8.40	62	72068	20.858	ug/l	99
43) Isopropyl Acetate	8.42	43	88462	21.221	ug/l	100
44) Trichloroethene	9.09	130	53838	20.297	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60704	20.558	ug/l	96
46) Dibromomethane	9.46	93	28214	20.934	ug/l	98
47) Bromodichloromethane	9.65	83	70336	19.896	ug/l	98
48) Methyl methacrylate	9.43	41	41925	20.937	ug/l	99
49) 1,4-Dioxane	9.45	88	8428	431.889	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	232411	107.184	ug/l	100
52) Toluene	10.39	92	135784	20.374	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72324	19.584	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	86620	19.727	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	40097	20.969	ug/l	98
56) Ethyl methacrylate	10.65	69	59001	21.085	ug/l	100
57) 1,3-Dichloropropane	10.93	76	76244	21.075	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	141360	111.264	ug/l	100
59) 2-Hexanone	10.97	43	154218	100.731	ug/l	99
60) Dibromochloromethane	11.13	129	43164	20.335	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37642	20.801	ug/l	99
64) Tetrachloroethene	10.86	164	46535	21.245	ug/l	99
65) Chlorobenzene	11.66	112	135317	20.007	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47001	19.950	ug/l	100
67) Ethyl Benzene	11.73	91	258193	20.044	ug/l	100
68) m/p-Xylenes	11.84	106	189140	40.375	ug/l	99
69) o-Xylene	12.16	106	88061	20.229	ug/l	99
70) Styrene	12.18	104	152826	20.304	ug/l	99
71) Bromoform	12.35	173	24181	20.131	ug/l #	97
73) Isopropylbenzene	12.46	105	238394	19.710	ug/l	99
74) N-amyl acetate	12.27	43	78900	20.836	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	48446	21.294	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34210m	19.942	ug/l	
77) Bromobenzene	12.75	156	55542	20.776	ug/l	99
78) n-propylbenzene	12.80	91	293101	19.912	ug/l	100
79) 2-Chlorotoluene	12.89	91	170259	20.078	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	206524	20.370	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13616	18.292	ug/l	94
82) 4-Chlorotoluene	12.99	91	181025	20.346	ug/l	100
83) tert-Butylbenzene	13.21	119	169287	19.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	207800	20.346	ug/l	99
85) sec-Butylbenzene	13.38	105	241184	19.936	ug/l	100
86) p-Isopropyltoluene	13.50	119	217529	19.818	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	106185	20.257	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106140	20.355	ug/l	99
89) n-Butylbenzene	13.82	91	210381	19.206	ug/l	99
90) Hexachloroethane	14.10	117	37467	19.304	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	95386	20.574	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8109	20.902	ug/l	98

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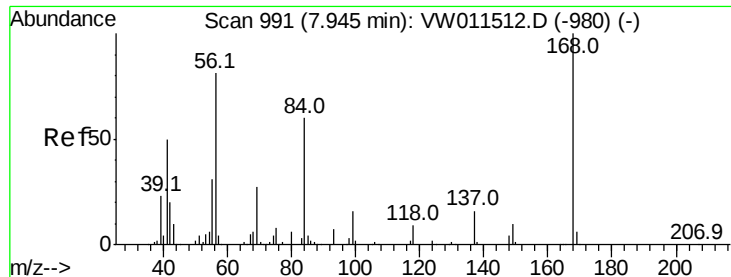
Manual Integrations
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QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62919	19.256	ug/l	100
94) Hexachlorobutadiene	15.24	225	38752	19.018	ug/l	99
95) Naphthalene	15.37	128	113787	19.109	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	55405	19.344	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: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion:168 Resp: 224350

Ion Ratio Lower Upper

168 100

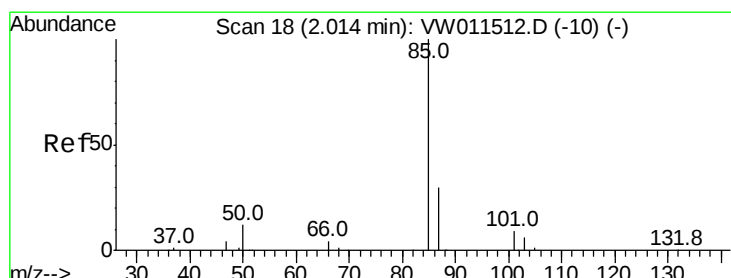
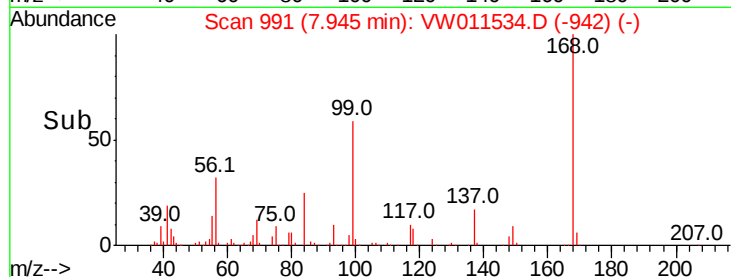
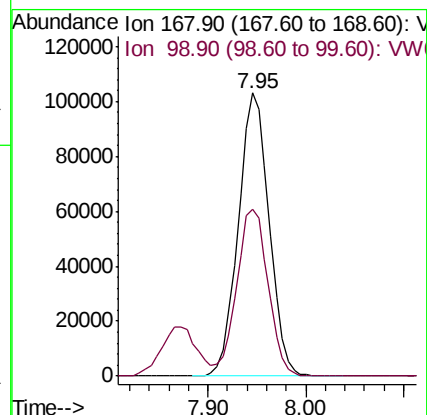
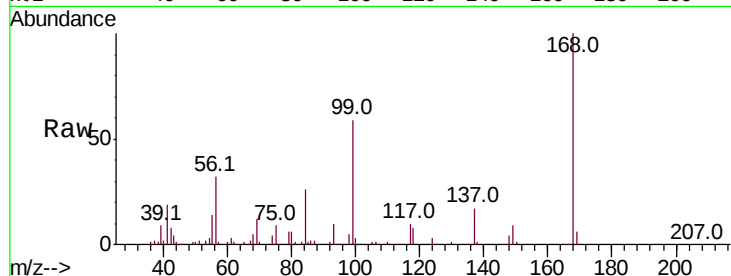
99 58.9 48.2 72.4

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#2

Dichlorodifluoromethane

Concen: 23.045 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011534.D

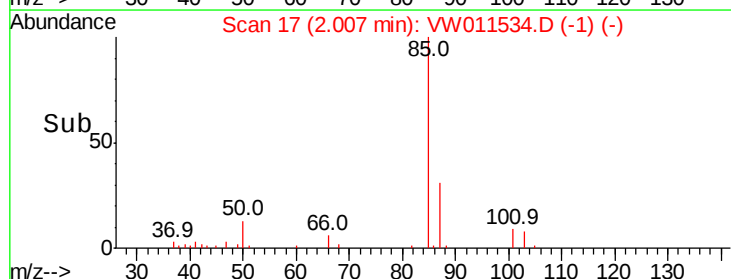
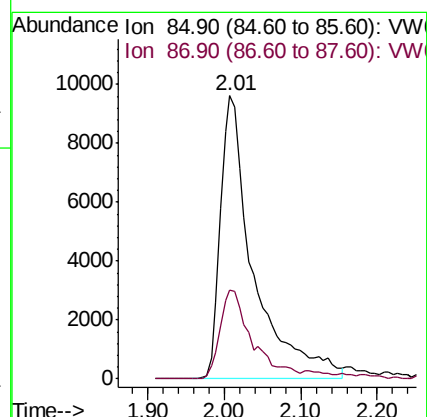
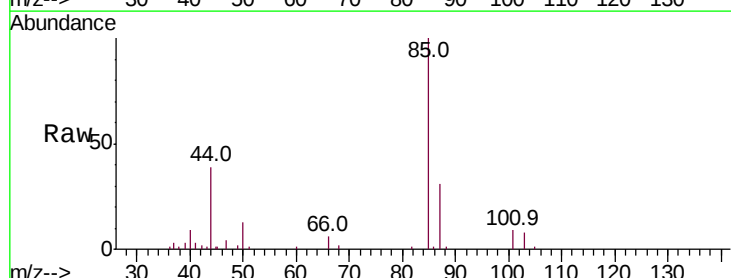
Acq: 27 Jul 2019 00:00

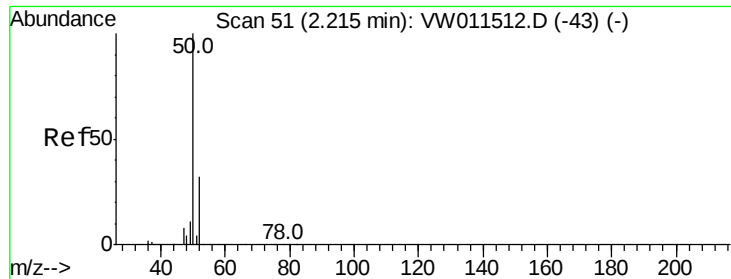
Tgt Ion: 85 Resp: 28814

Ion Ratio Lower Upper

85 100

87 31.5 15.2 45.6





#3

Chloromethane

Concen: 21.406 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBSD02

Tot Ion: 50 Resp: 46410

Ion Ratio Lower Upper

50 100

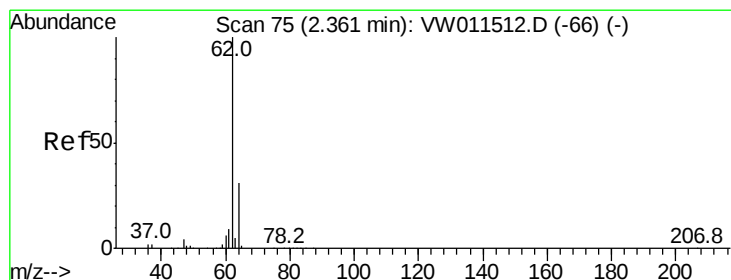
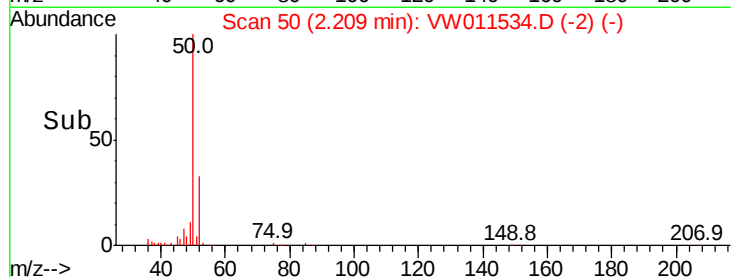
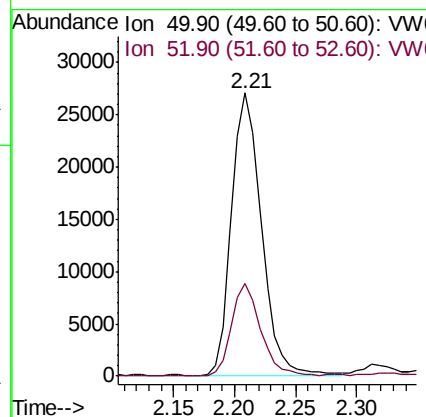
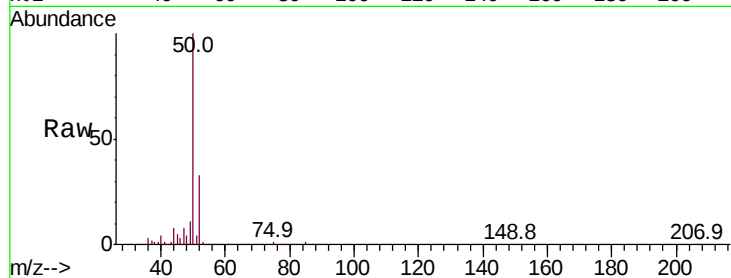
52 32.8 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.747 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011534.D

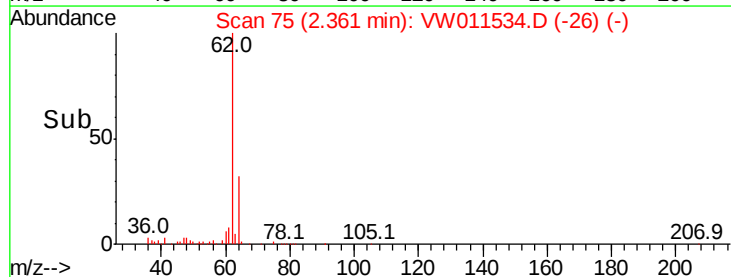
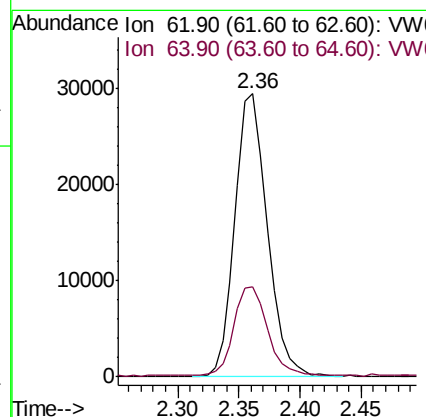
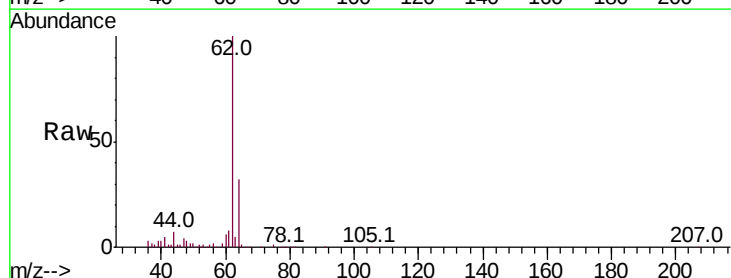
Acq: 27 Jul 2019 00:00

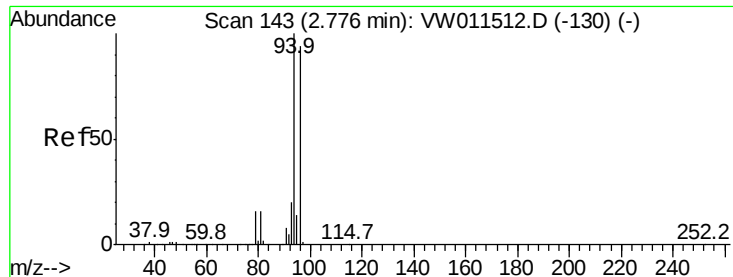
Tgt Ion: 62 Resp: 54154

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 20.082 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 94 Resp: 29014

Ion Ratio Lower Upper

94 100

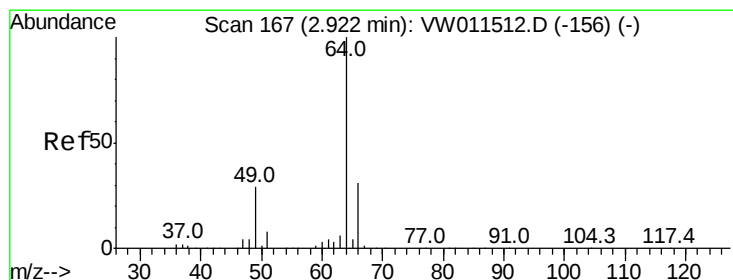
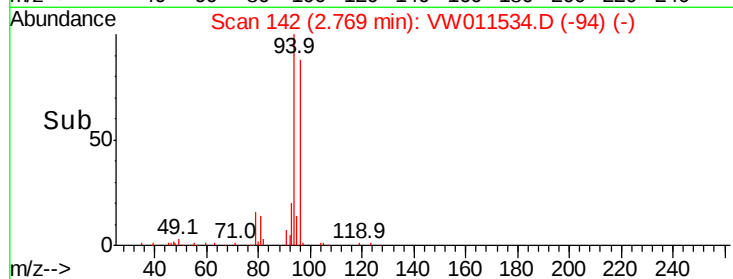
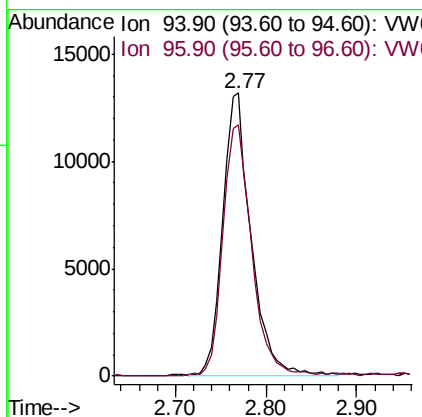
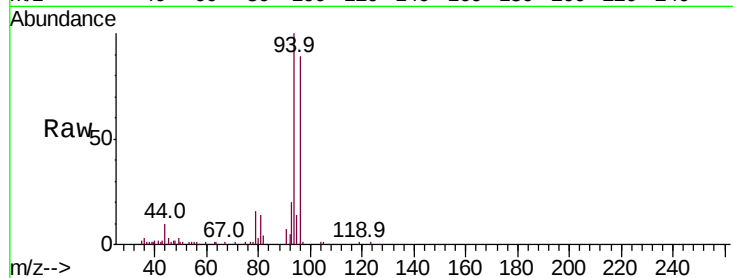
96 88.2 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 20.131 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011534.D

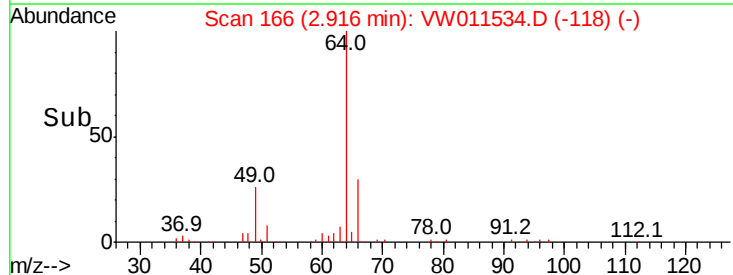
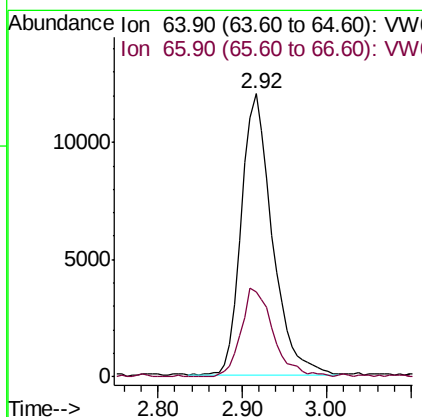
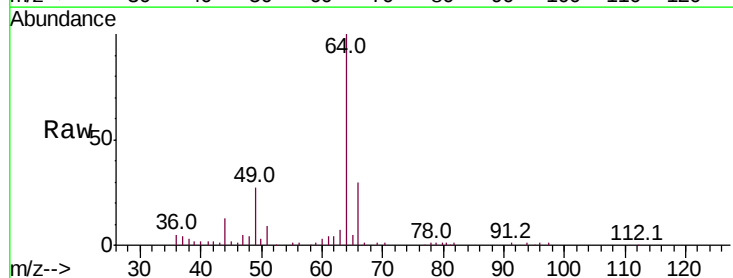
Acq: 27 Jul 2019 00:00

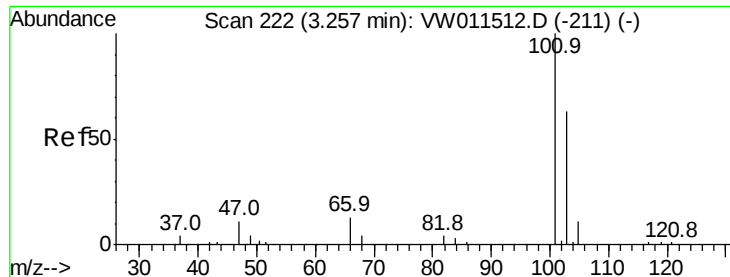
Tgt Ion: 64 Resp: 30016

Ion Ratio Lower Upper

64 100

66 30.2 24.6 36.8





#7

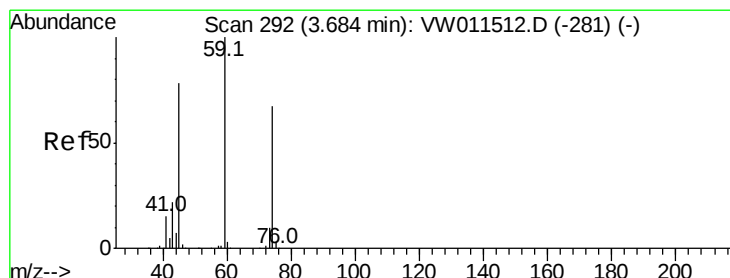
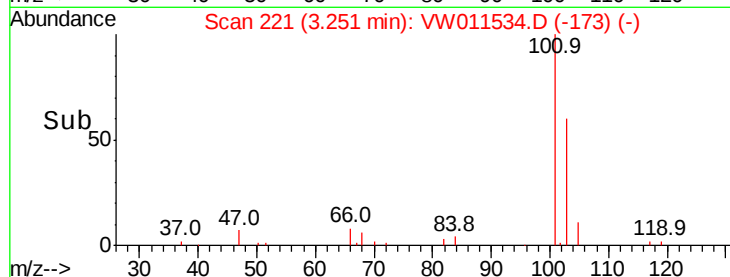
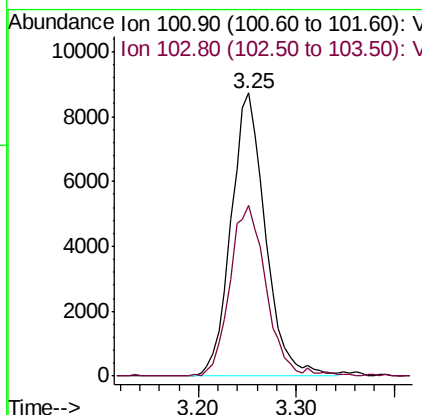
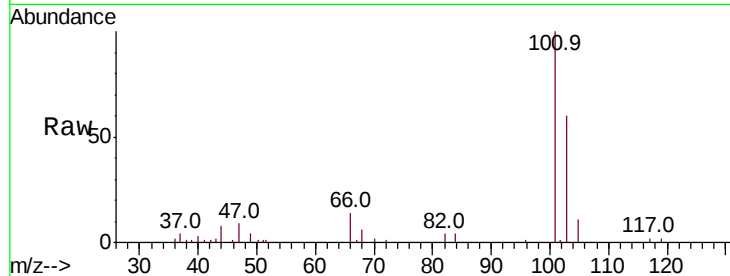
Trichlorofluoromethane
 Concen: 18.166 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

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 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	50.2	75.4

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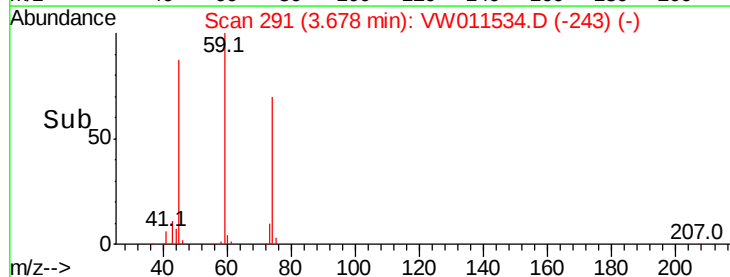
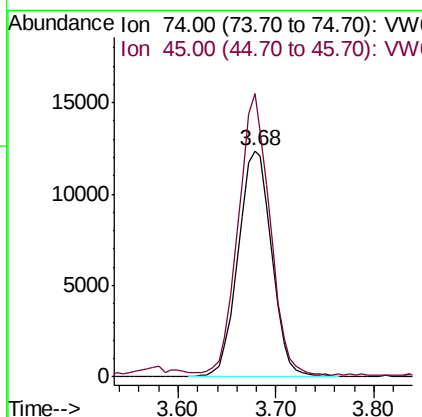
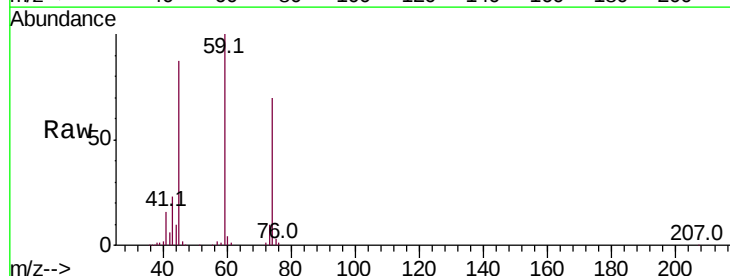
MMDadoda
 7/29/2019 9:19:33 AM

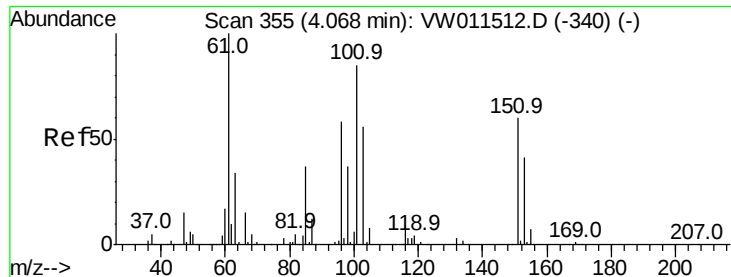


#8

Diethyl Ether
 Concen: 22.239 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.6	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.134 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

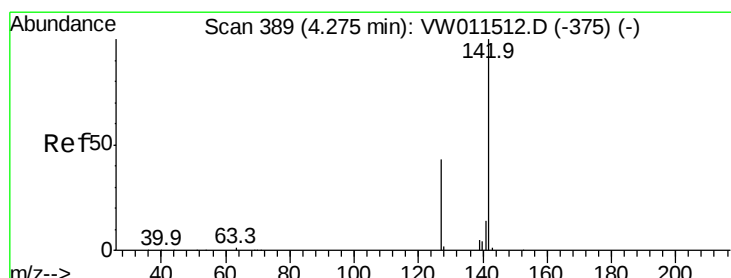
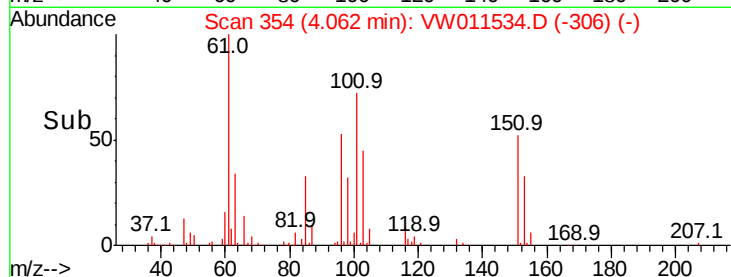
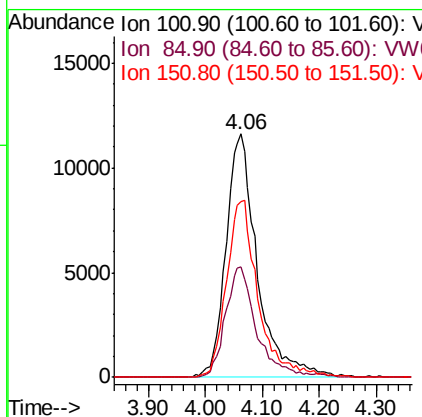
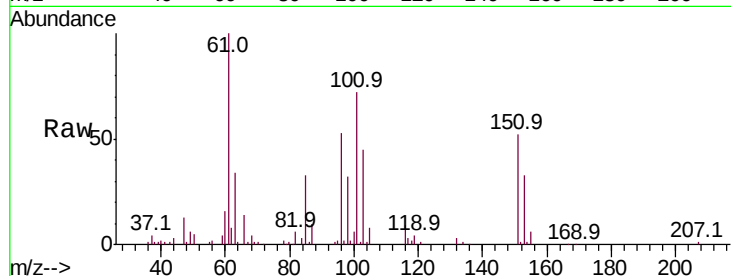
ClientSampleId :

VW0727SBS02

Tot Ion:	101	Resp:	44554
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.6	54.8
151	73.6	60.2	90.2

Manual Integrations
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7/29/2019 9:19:33 AM



#10

Methyl Iodide

Concen: 21.121 ug/l

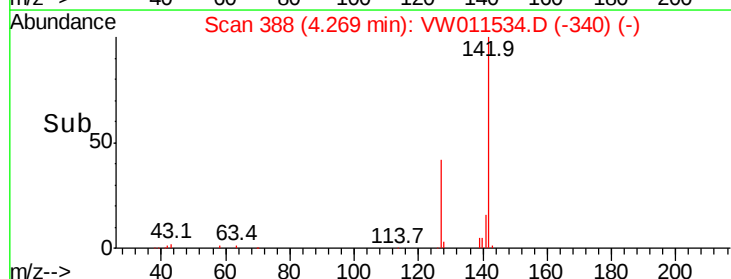
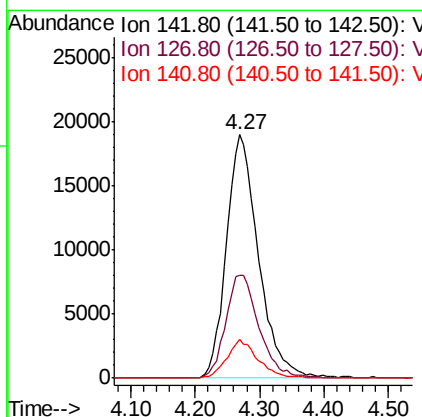
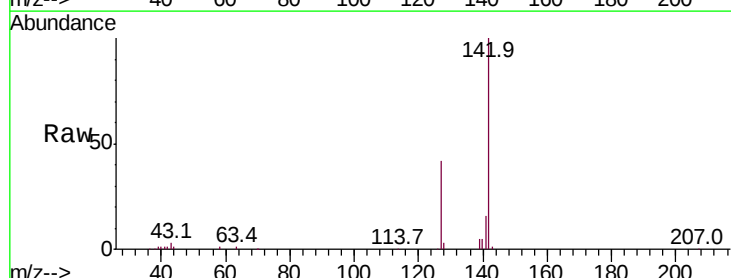
RT: 4.27 min Scan# 388

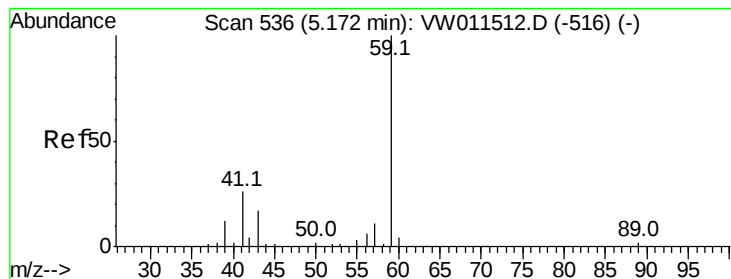
Delta R.T. -0.01 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Tgt Ion:	142	Resp:	66051
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.0	52.6
141	15.2	11.9	17.9





#11

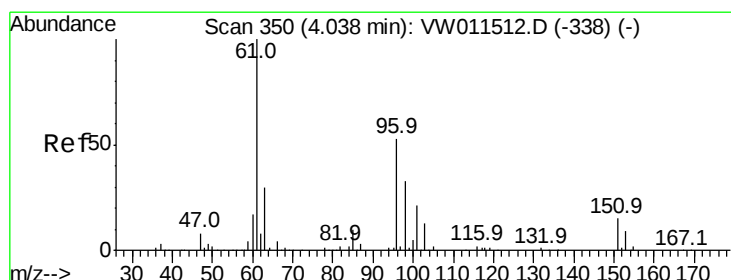
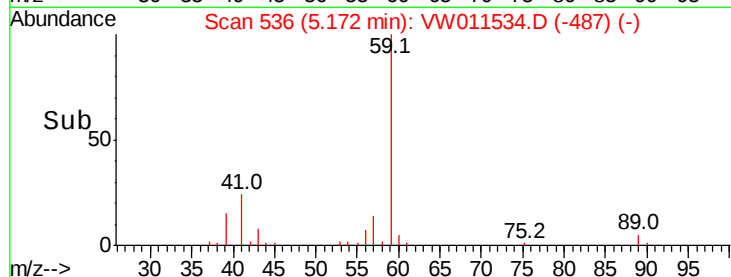
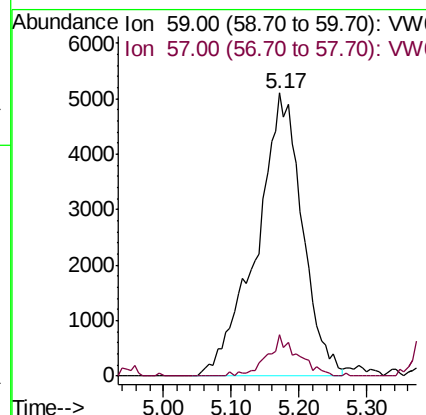
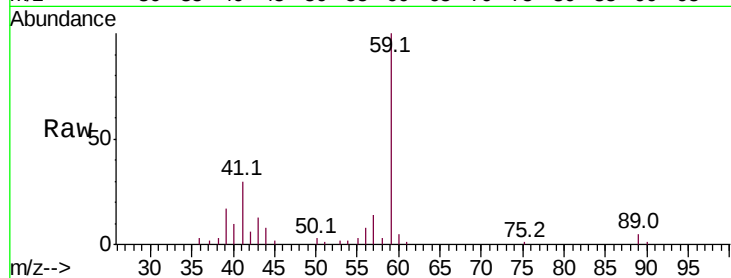
Tert butyl alcohol
 Concen: 116.577 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

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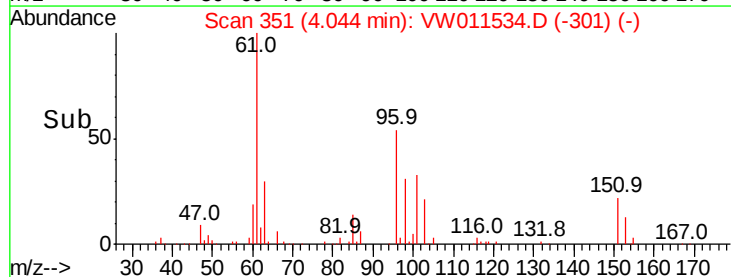
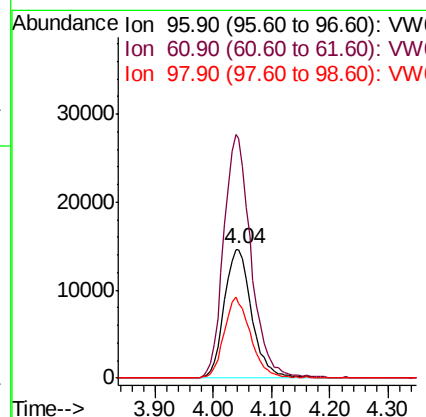
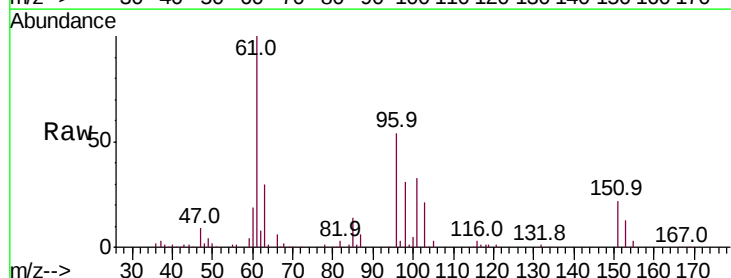
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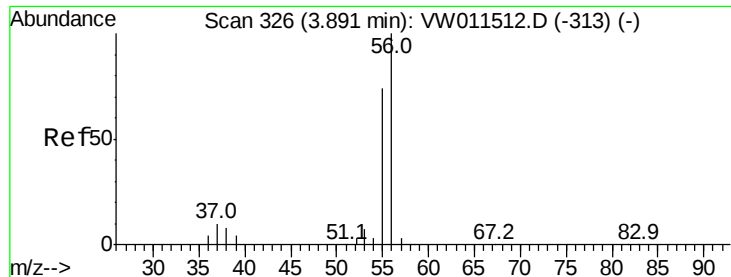


#12

1,1-Dichloroethene
 Concen: 20.529 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.7	149.9	224.9
98	58.0	49.1	73.7





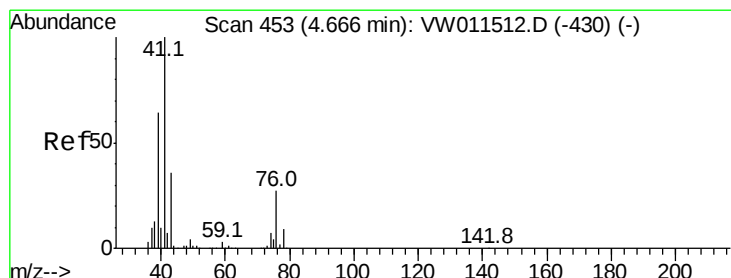
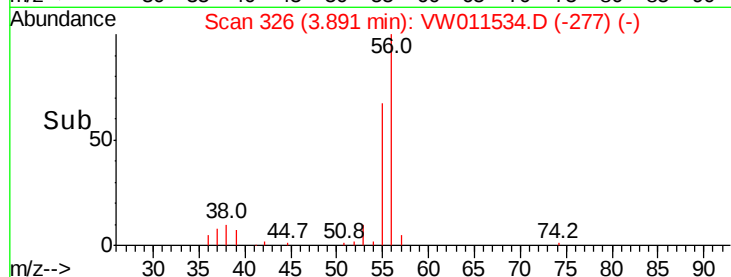
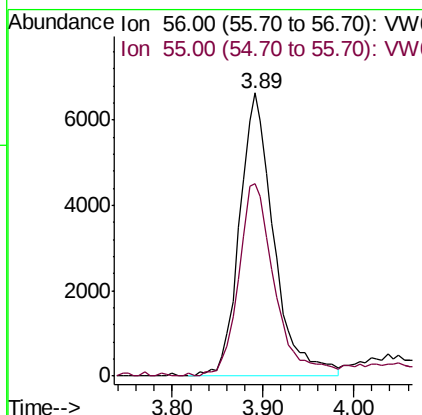
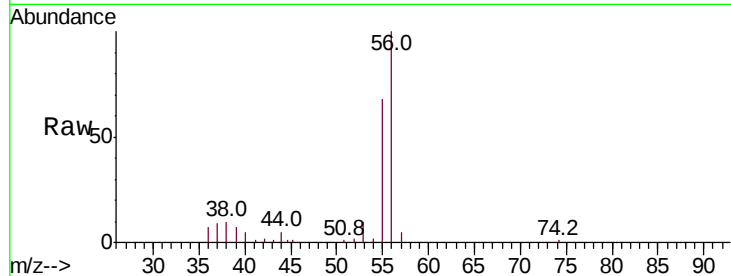
#13
Acrolein
Concen: 94.186 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	56	Resp	17410
Ion Ratio	Lower	Upper	
56	100		
55	71.3	56.0	84.0

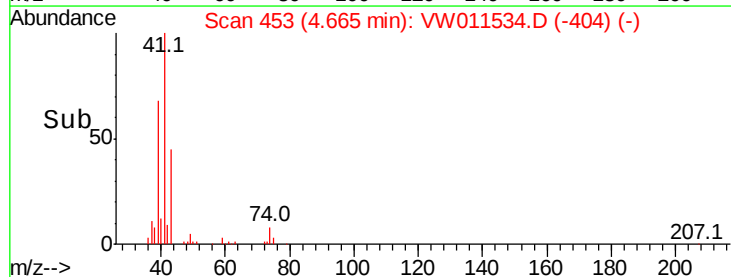
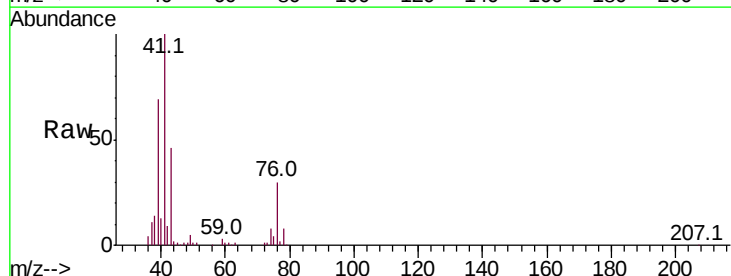
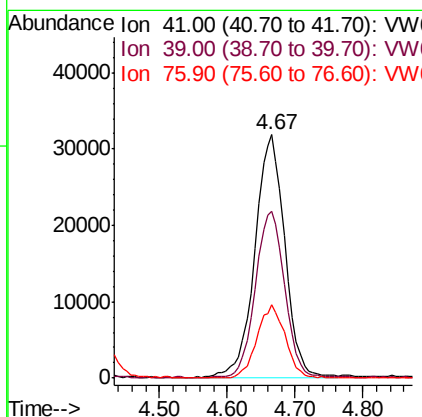
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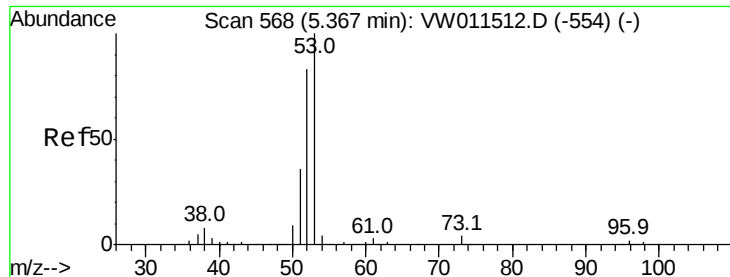
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#14
Allyl chloride
Concen: 19.834 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	41	Resp	98567
Ion Ratio	Lower	Upper	
41	100		
39	67.3	52.6	78.8
76	28.1	22.0	33.0





#15

Acrylonitrile

Concen: 107.917 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 53 Resp: 71253

Ion Ratio Lower Upper

53 100

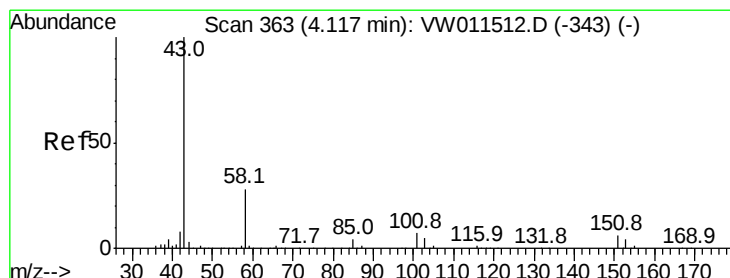
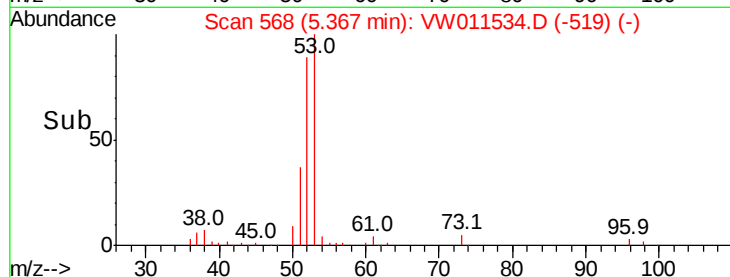
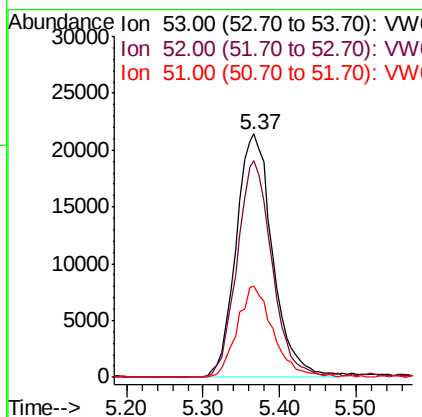
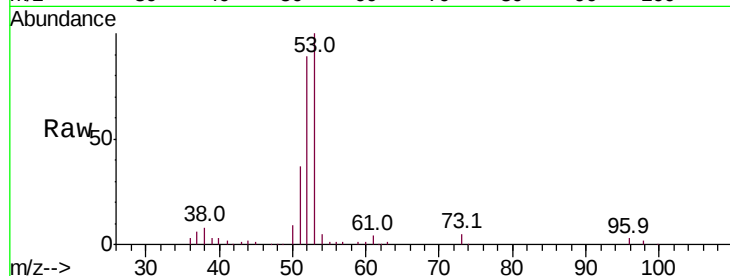
52 84.7 67.2 100.8

51 37.0 30.0 45.0

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#16

Acetone

Concen: 81.402 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011534.D

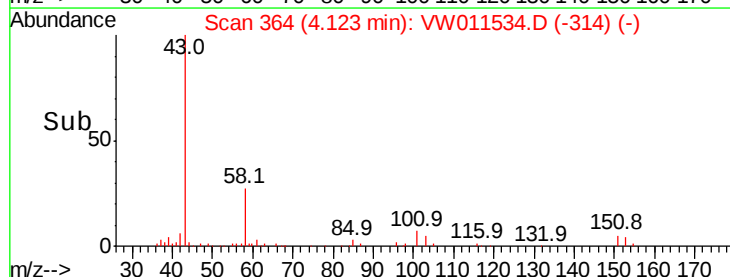
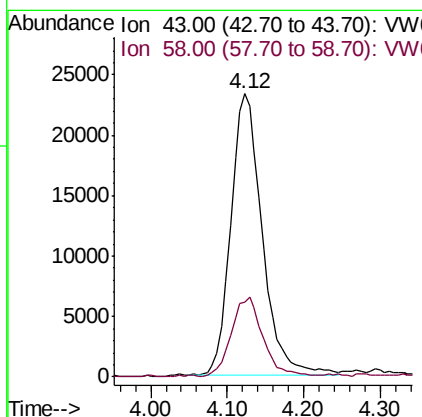
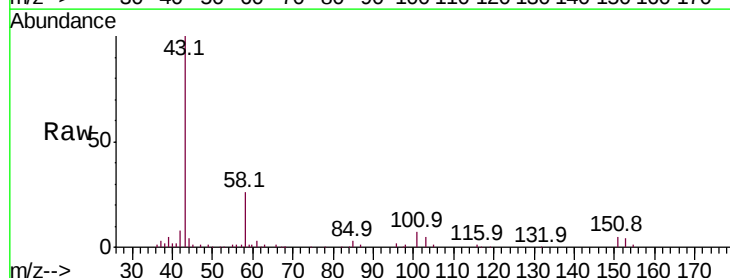
Acq: 27 Jul 2019 00:00

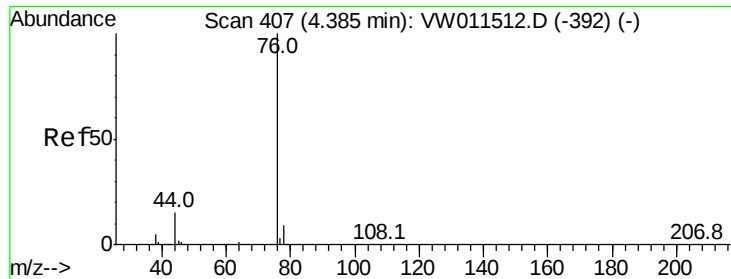
Tgt Ion: 43 Resp: 66707

Ion Ratio Lower Upper

43 100

58 25.9 22.3 33.5





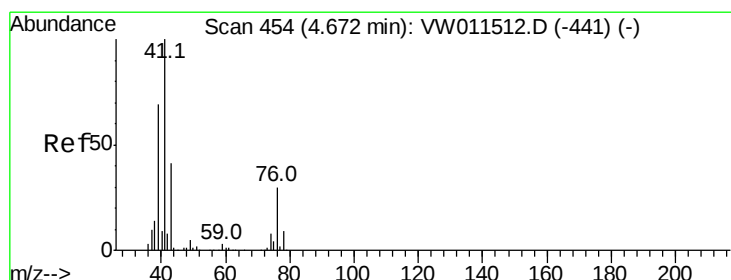
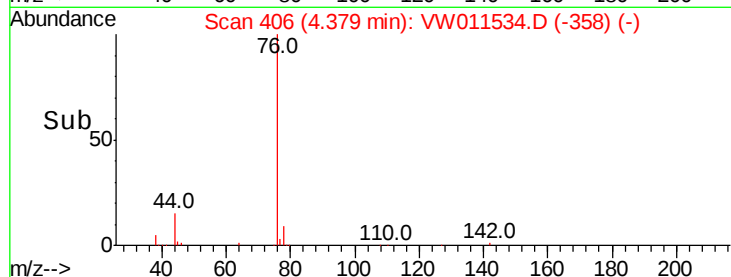
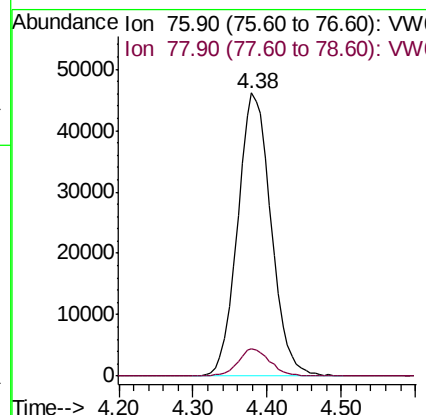
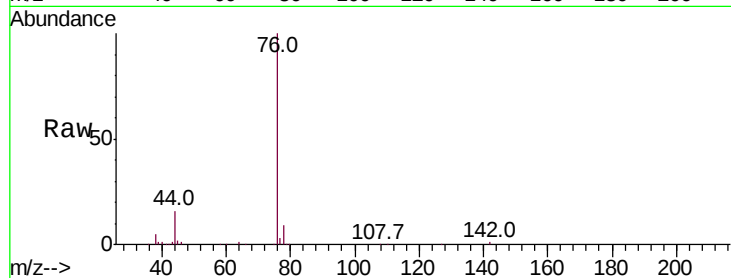
#17
Carbon Disulfide
Concen: 19.821 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBSD02

Tot Ion: 76 Resp: 144947
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

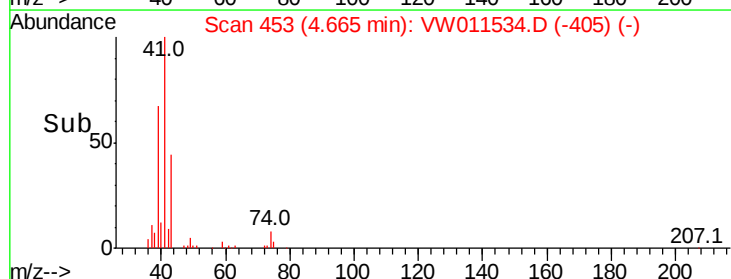
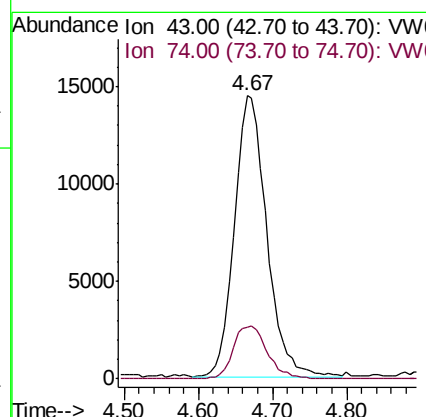
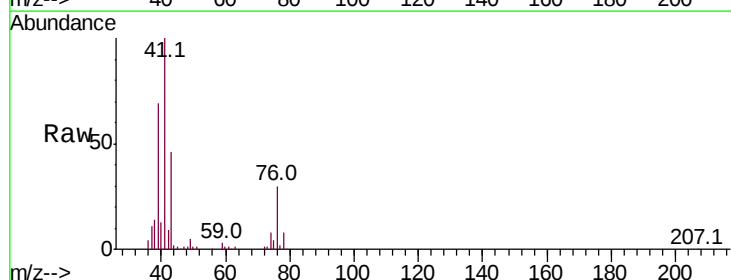
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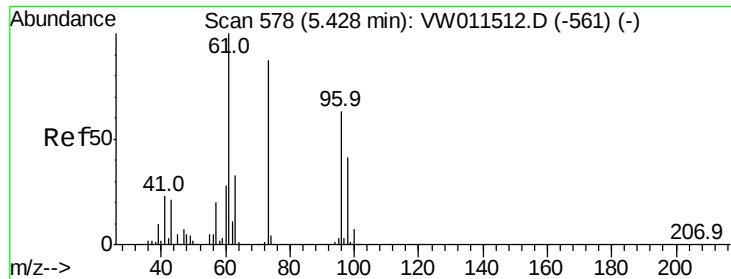
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#18
Methyl Acetate
Concen: 23.705 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion: 43 Resp: 43639
Ion Ratio Lower Upper
43 100
74 19.9 15.9 23.9





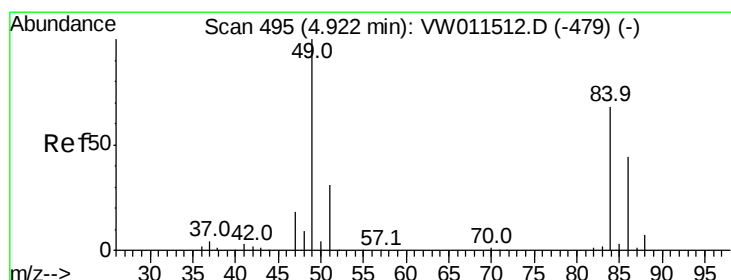
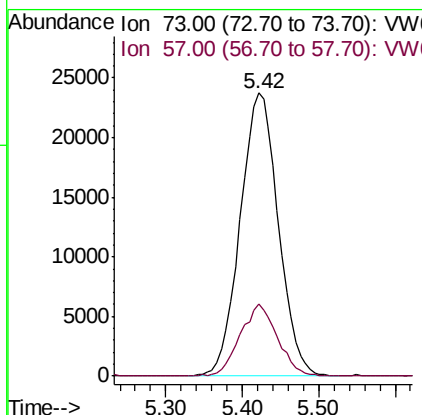
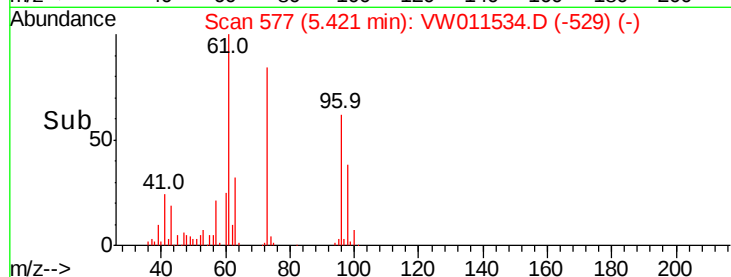
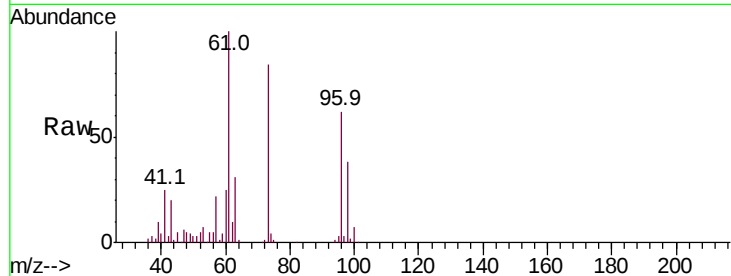
#19
Methyl tert-butyl Ether
Concen: 22.163 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion: 73 Resp: 82176
Ion Ratio Lower Upper
73 100
57 25.7 18.4 27.6

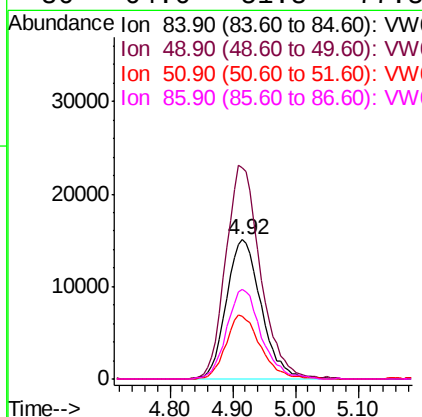
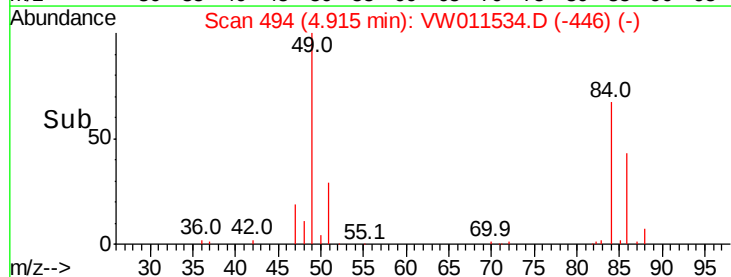
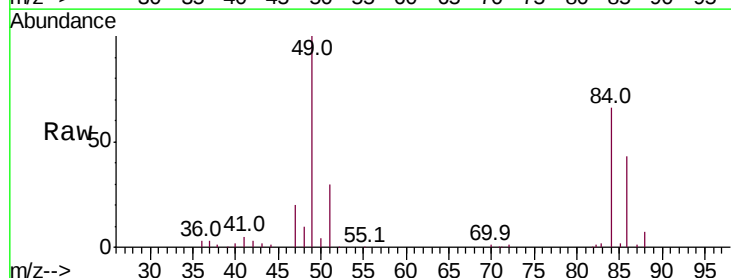
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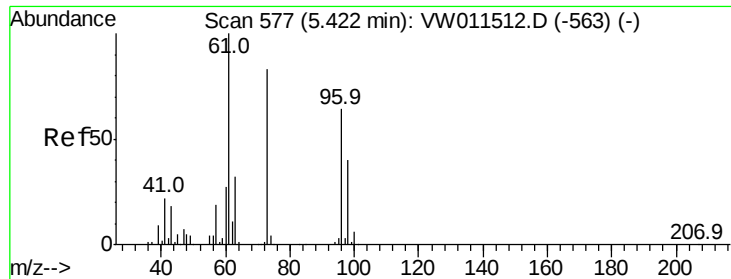
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#20
Methylene Chloride
Concen: 20.592 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion: 84 Resp: 58198
Ion Ratio Lower Upper
84 100
49 151.5 117.8 176.6
51 45.0 37.0 55.4
86 64.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.588 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 96 Resp: 51861

Ion Ratio Lower Upper

96 100

61 160.9 125.7 188.5

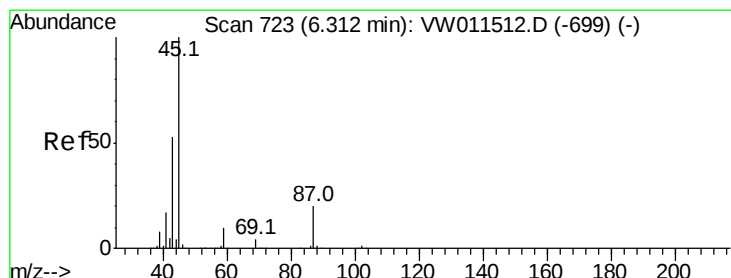
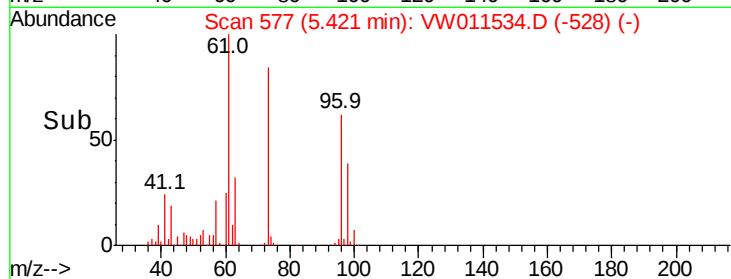
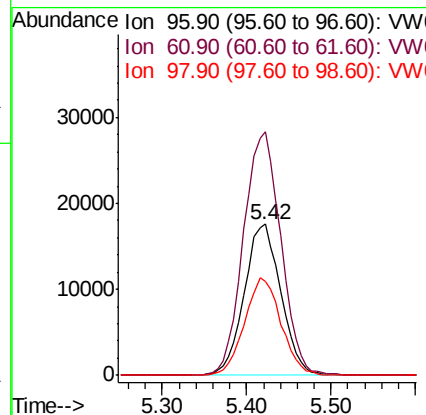
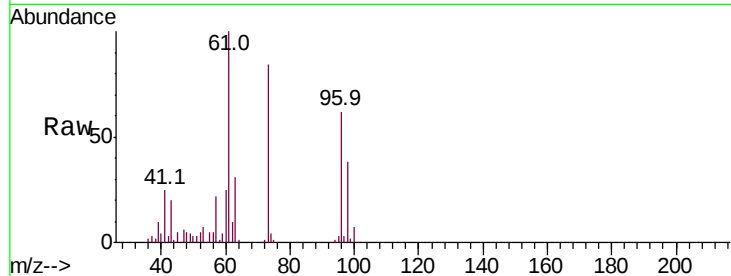
98 61.8 50.3 75.5

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#22

Diisopropyl ether

Concen: 21.937 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Tgt Ion: 45 Resp: 205533

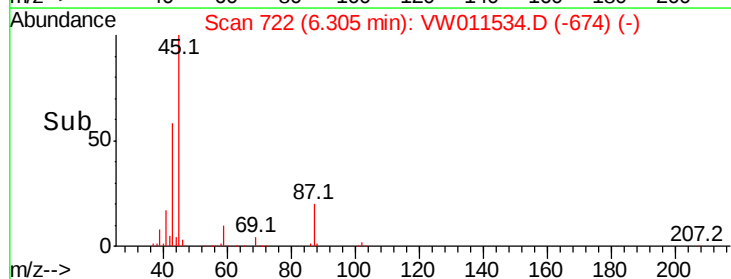
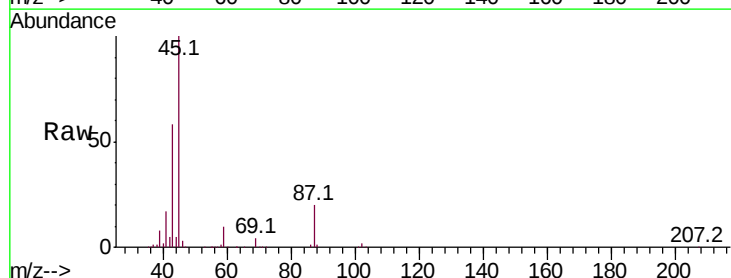
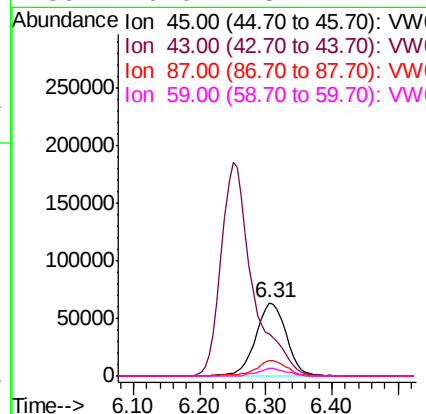
Ion Ratio Lower Upper

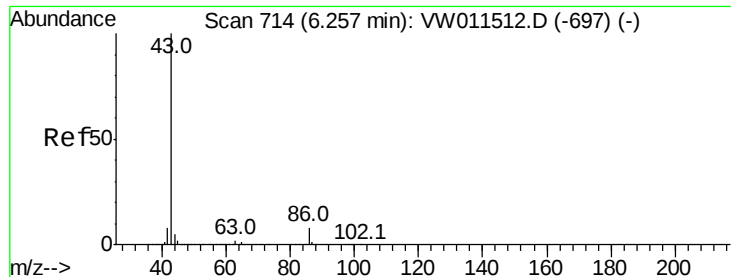
45 100

43 57.8 42.6 63.8

87 20.1 16.4 24.6

59 10.0 8.2 12.2





#23

Vinyl Acetate

Concen: 104.146 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 43 Resp: 613137

Ion Ratio Lower Upper

43 100

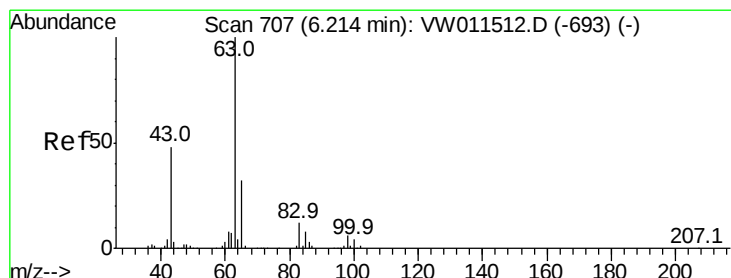
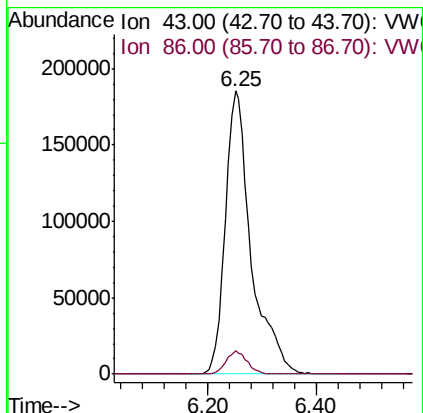
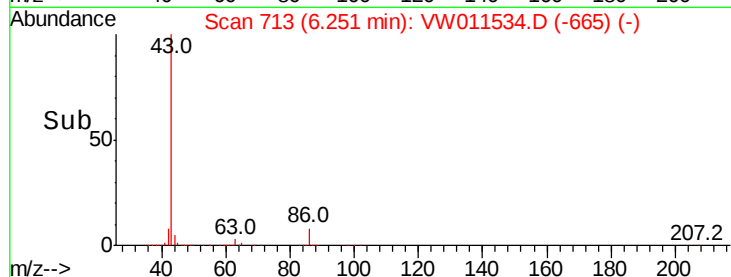
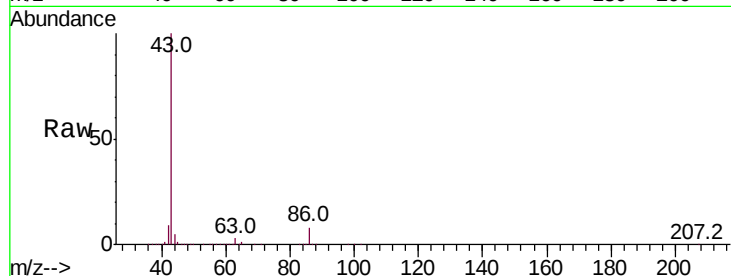
86 8.5 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 21.127 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

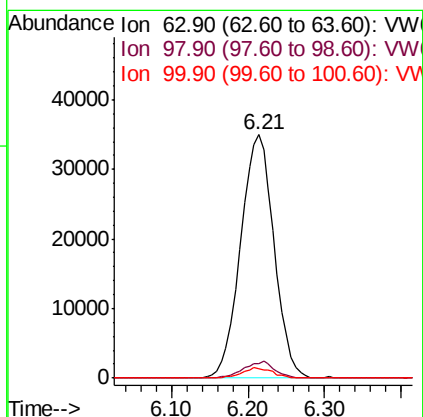
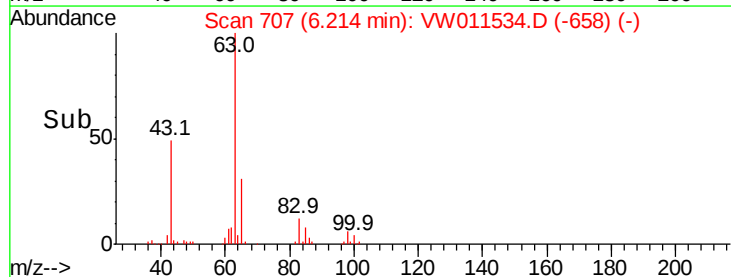
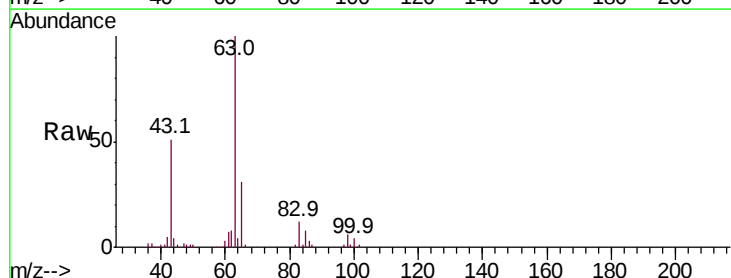
Tgt Ion: 63 Resp: 106016

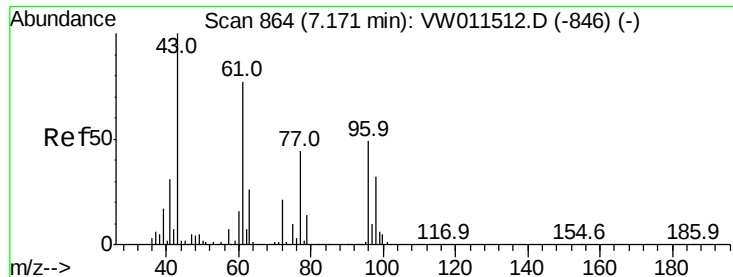
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 101.207 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 43 Resp: 108524

Ion Ratio Lower Upper

43 100

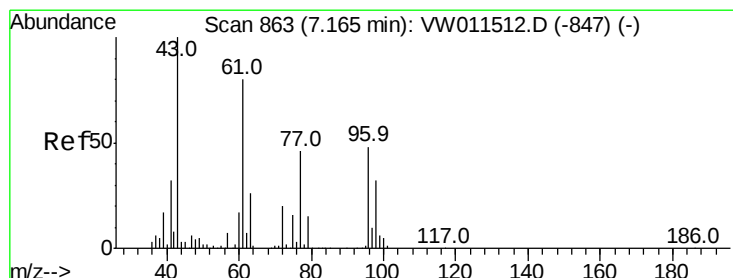
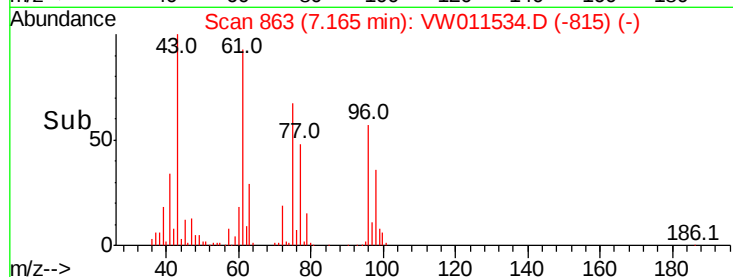
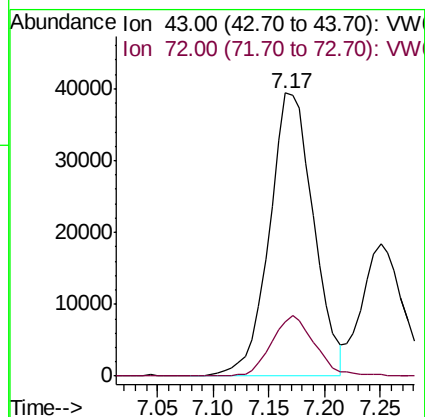
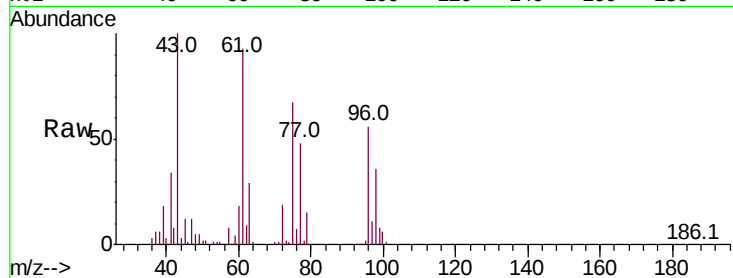
72 19.2 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.256 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011534.D

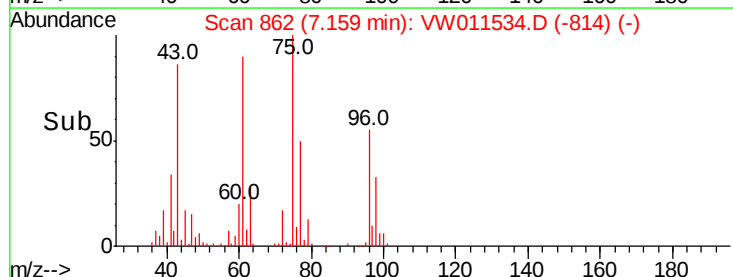
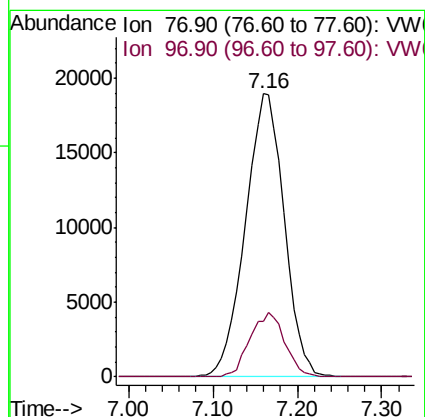
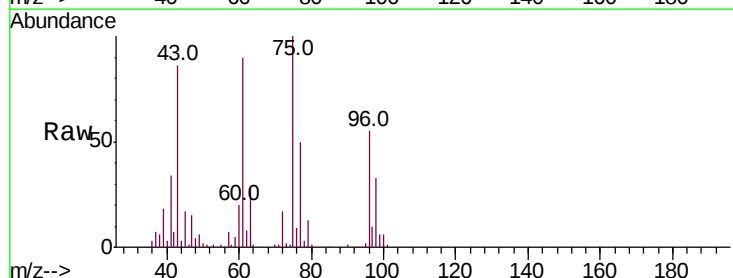
Acq: 27 Jul 2019 00:00

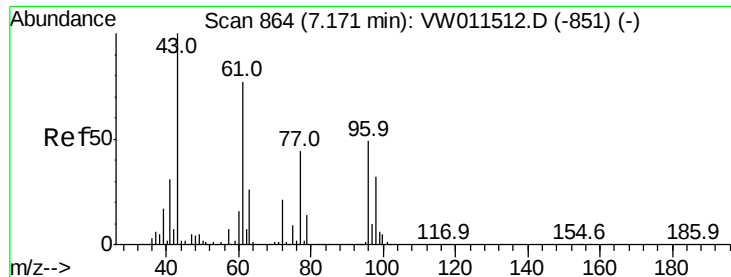
Tgt Ion: 77 Resp: 59423

Ion Ratio Lower Upper

77 100

97 20.5 10.8 32.4





#27

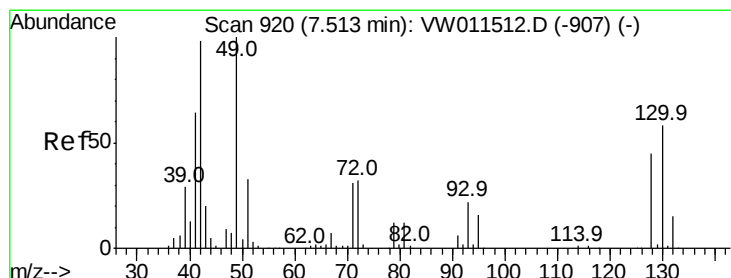
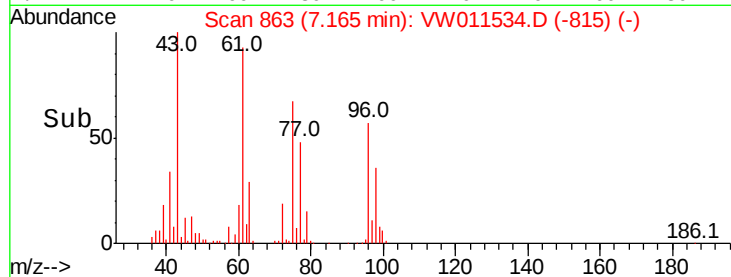
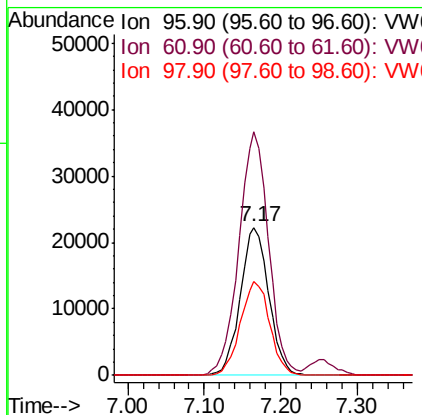
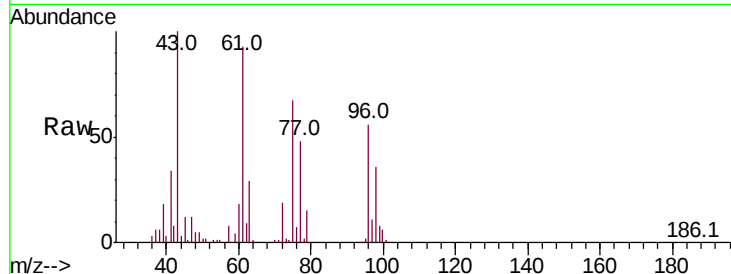
cis-1,2-Dichloroethene
Concen: 20.717 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.5	0.0	328.4
98	65.0	0.0	128.8

Manual Integrations
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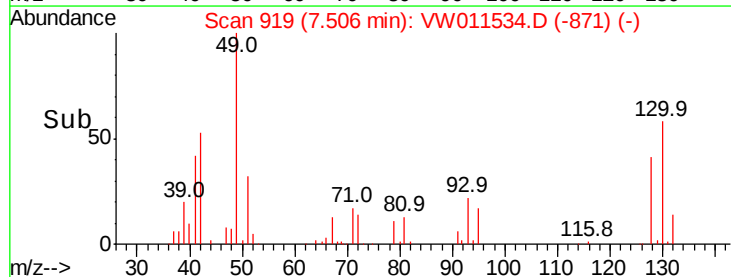
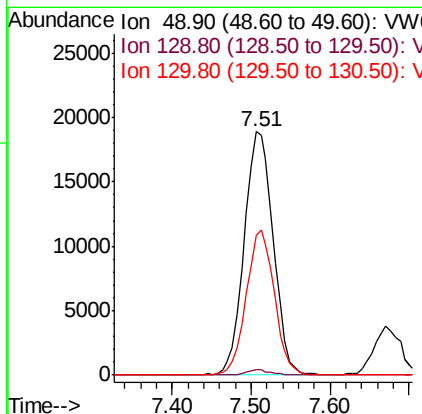
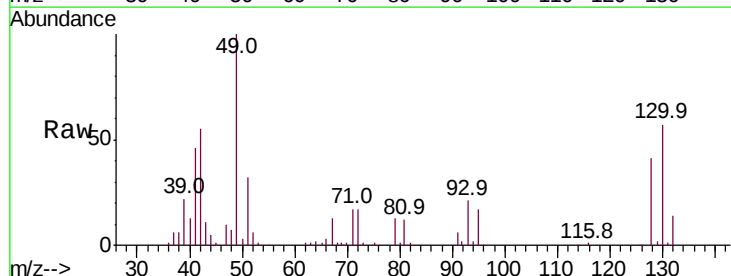
MMDadoda
7/29/2019 9:19:33 AM

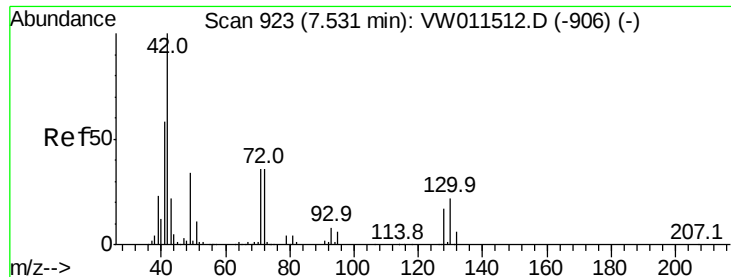


#28

Bromochloromethane
Concen: 21.746 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.0#
130	57.2	46.3	69.5





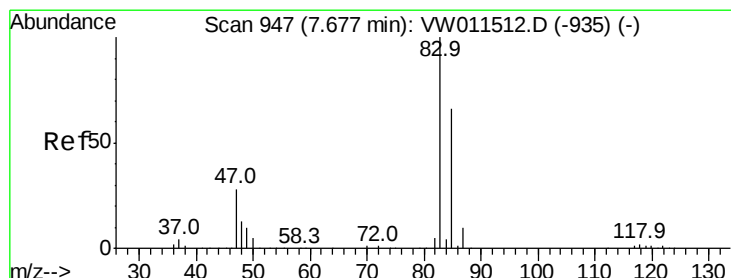
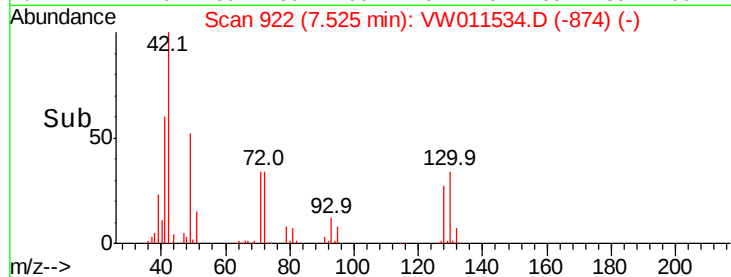
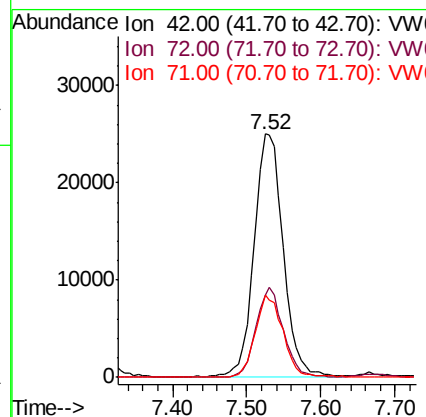
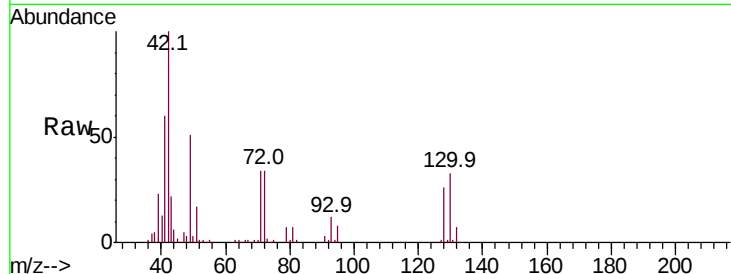
#29
Tetrahydrofuran
Concen: 111.434 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.1	40.7
71	32.5	26.2	39.4

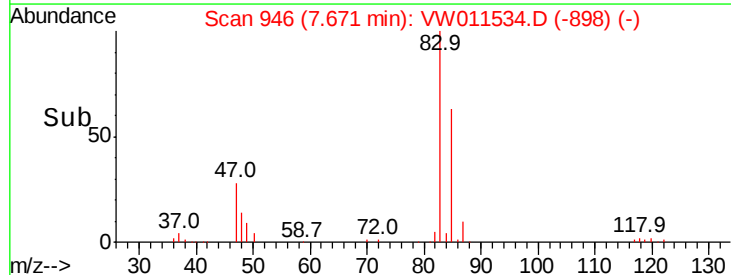
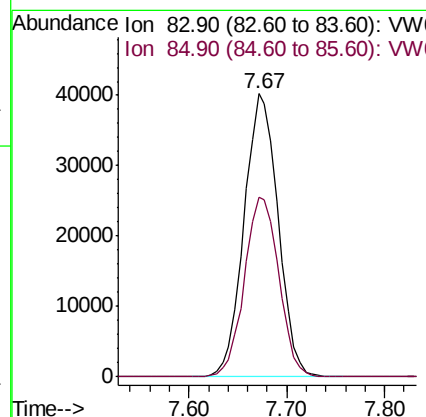
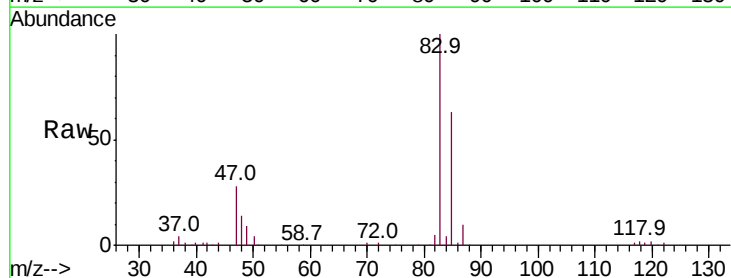
Manual Integrations
APPROVED

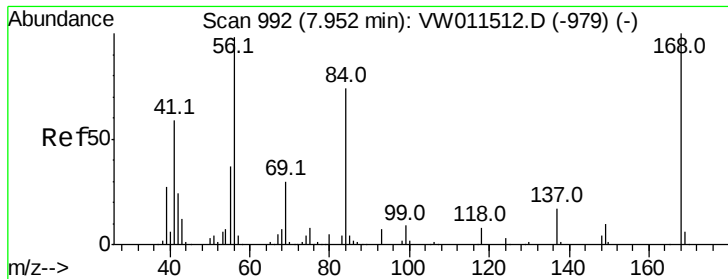
MMDadoda
7/29/2019 9:19:33 AM



#30
Chloroform
Concen: 20.993 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.5	78.7





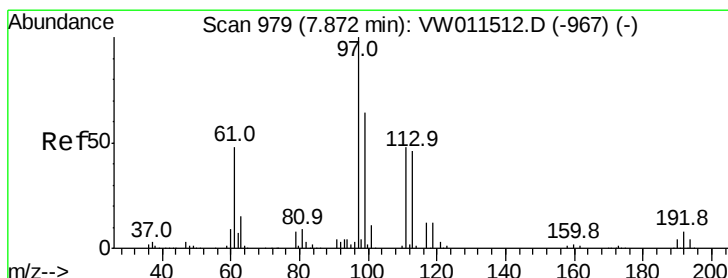
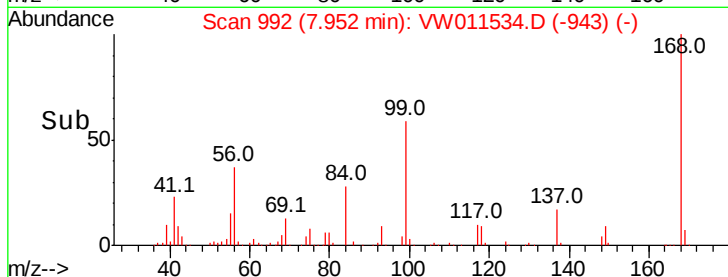
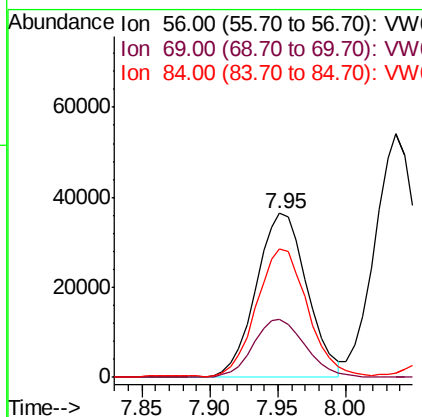
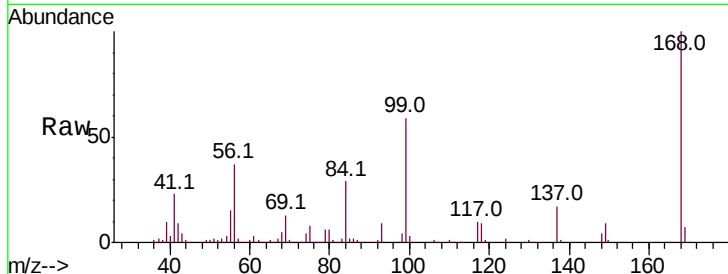
#31
Cyclohexane
Concen: 19.802 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	24.3	36.5
84	76.8	60.4	90.6

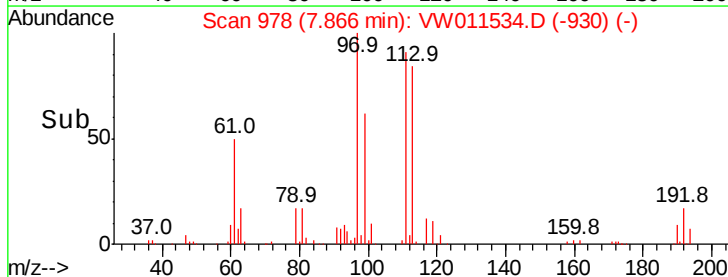
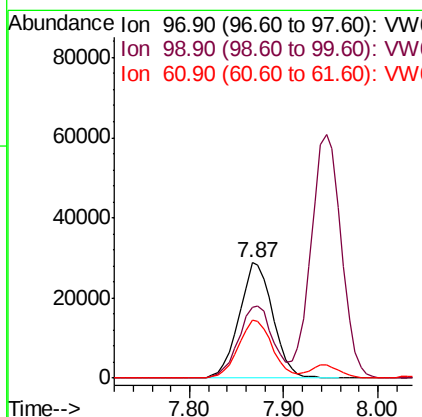
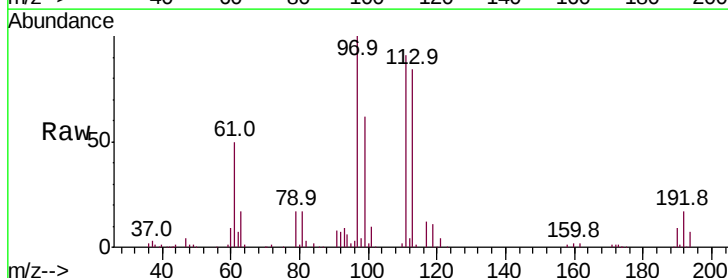
Manual Integrations
APPROVED

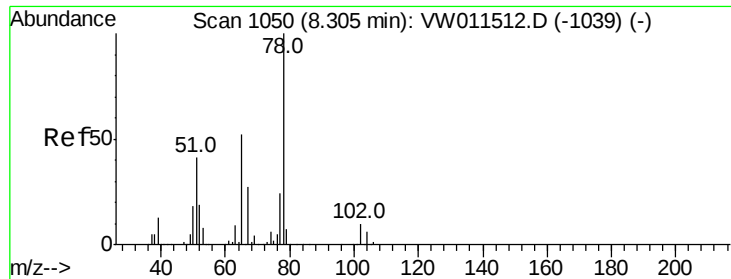
MMDadoda
7/29/2019 9:19:33 AM



#32
1,1,1-Trichloroethane
Concen: 20.423 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	50.9	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 51.418 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 65 Resp: 132461

Ion Ratio Lower Upper

65 100

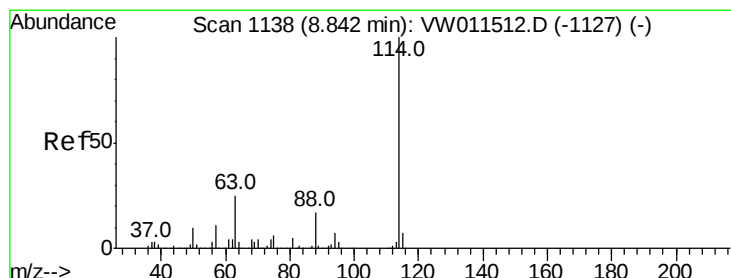
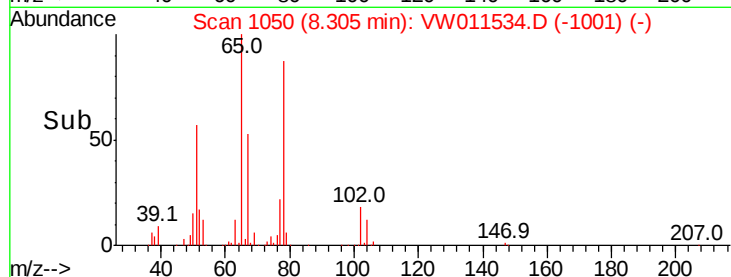
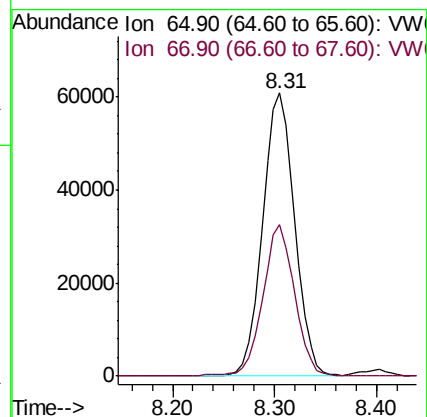
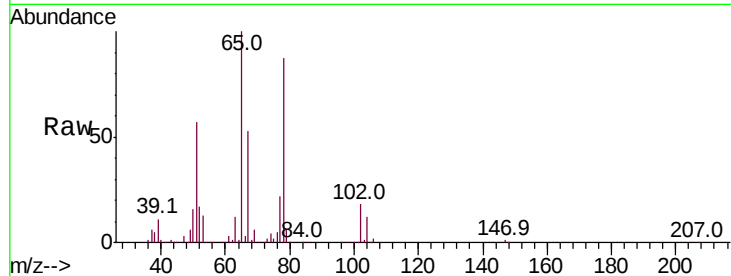
67 53.2 0.0 105.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

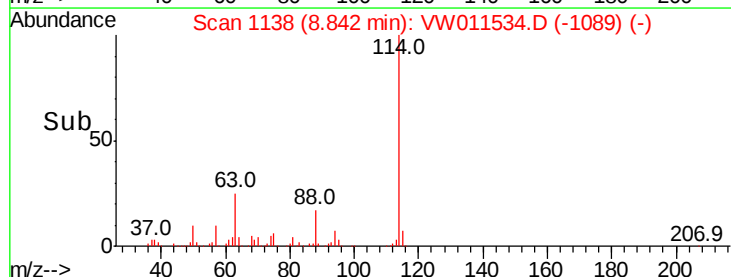
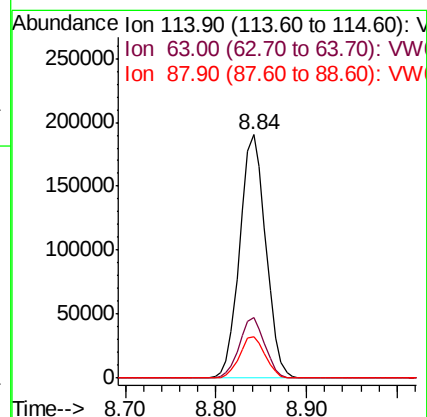
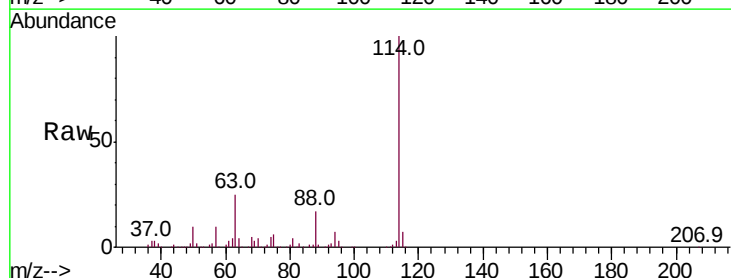
Tgt Ion: 114 Resp: 378903

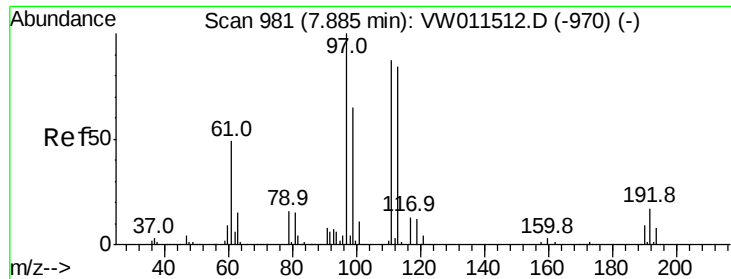
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.879 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

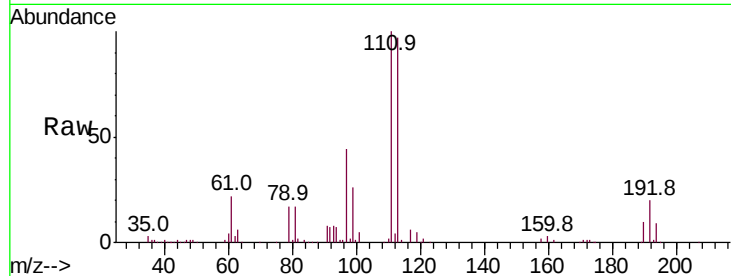
ClientSampleId :

VW0727SBSD02

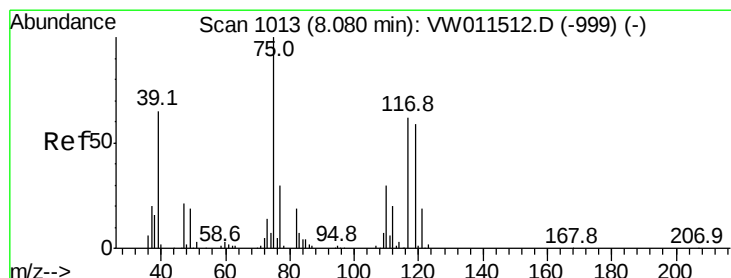
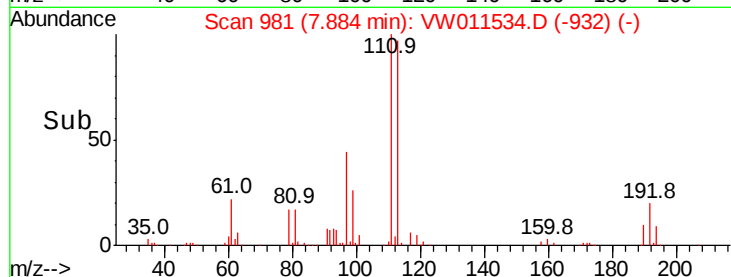
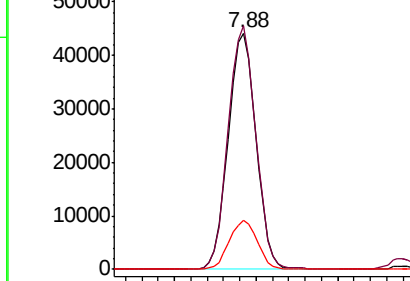
Tot Ion:	113	Resp:	103903
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.7	124.1
192	20.9	16.1	24.1

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.704 ug/l

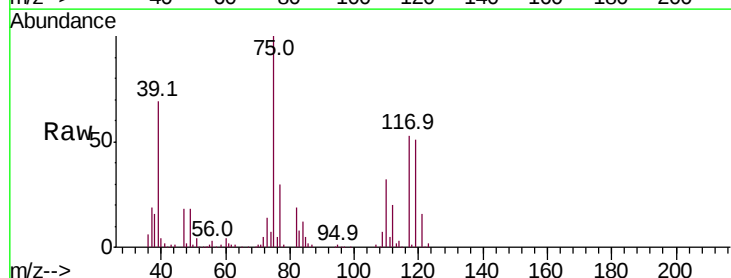
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

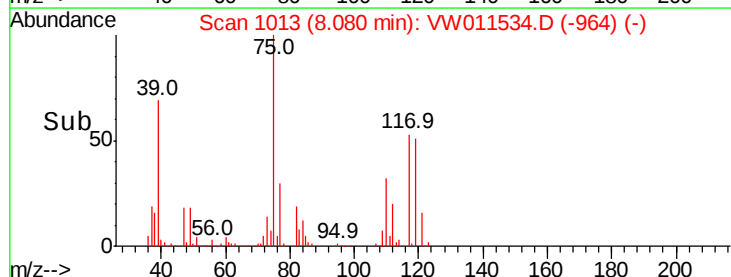
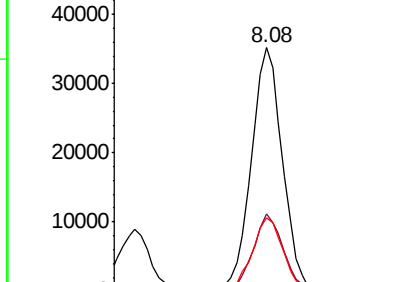
Lab File: VW011534.D

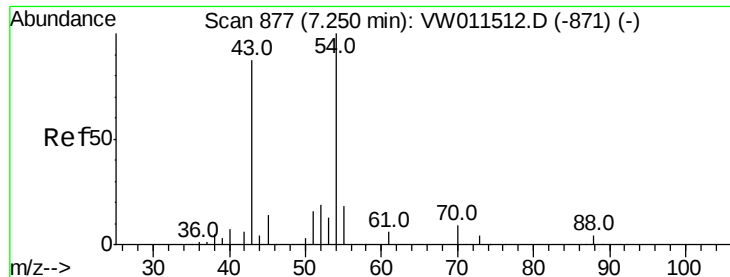
Acq: 27 Jul 2019 00:00

Tgt Ion:	75	Resp:	77630
Ion Ratio	Lower	Upper	
75	100		
110	30.8	15.6	46.8
77	30.5	24.3	36.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





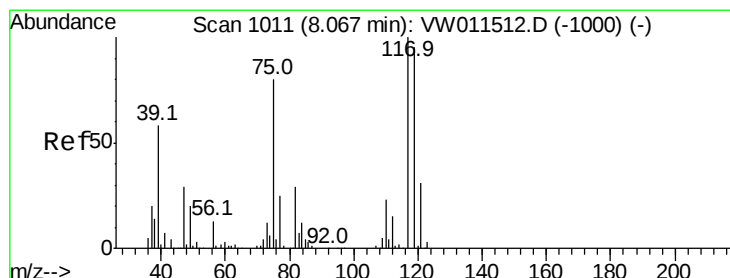
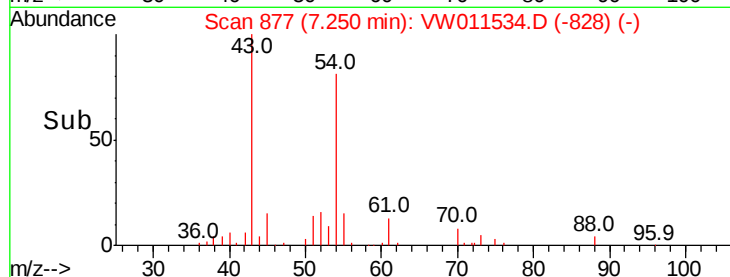
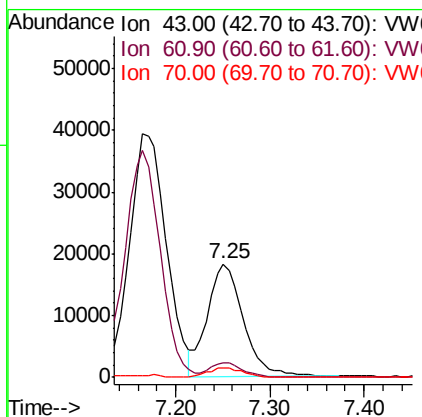
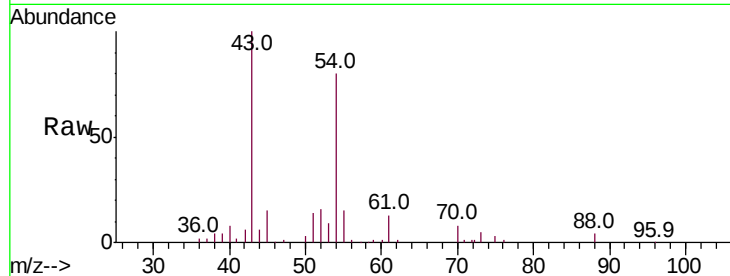
#37
Ethyl Acetate
Concen: 21.414 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	8.8	13.2
70	7.6	7.1	10.7

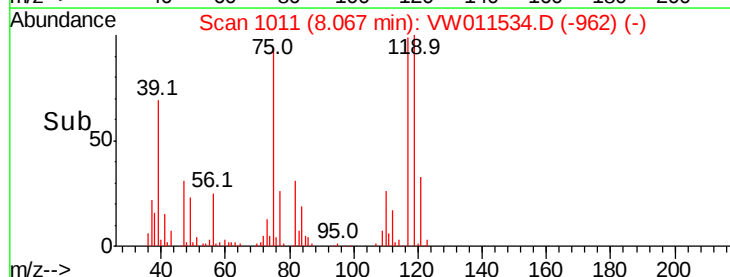
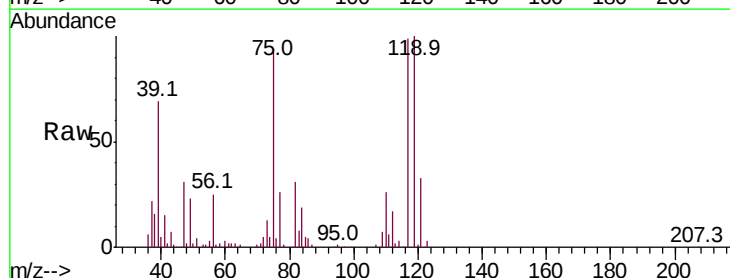
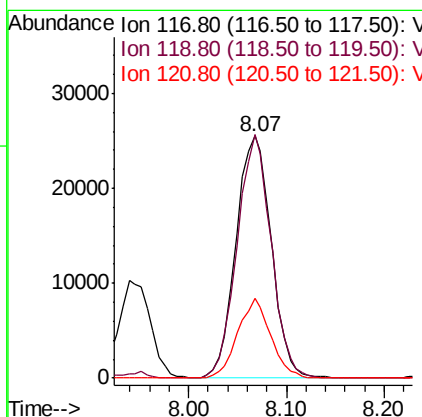
Manual Integrations
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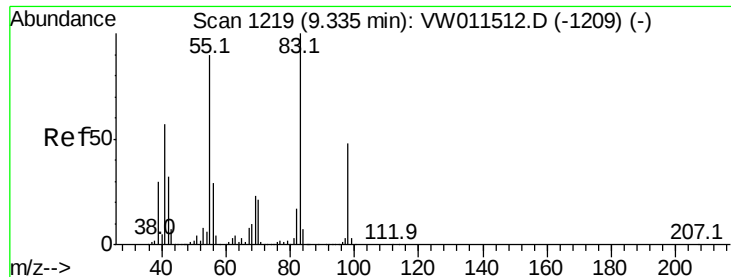
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#38
Carbon Tetrachloride
Concen: 18.959 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	75.8	113.6
121	32.8	24.7	37.1





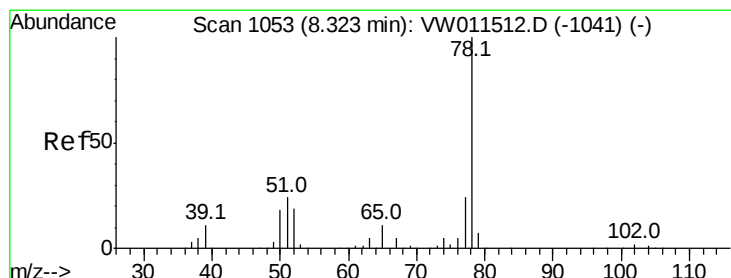
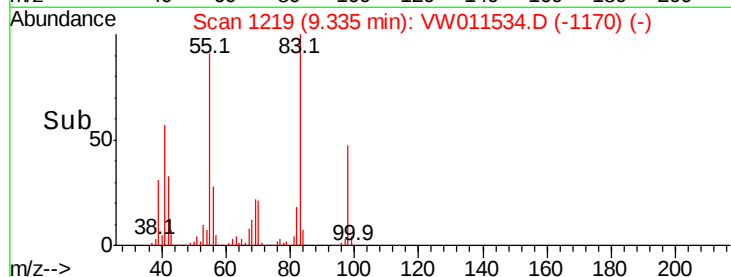
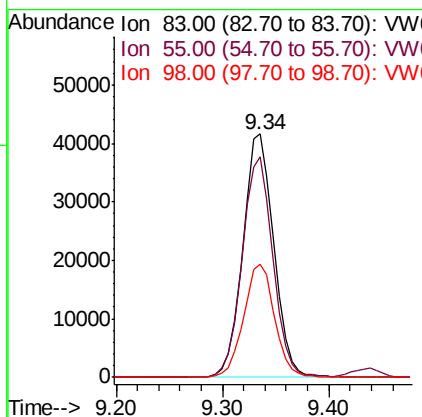
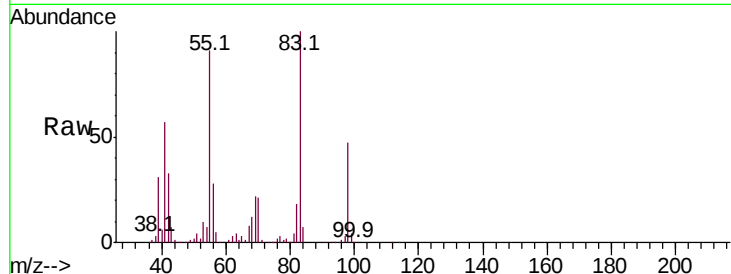
#39
Methvlcvclohexane
Concen: 19.568 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	83	Resp	84894
Ion Ratio	100	Lower	Upper
83	100	72.1	108.1
55	90.8	38.6	57.8
98	46.7		

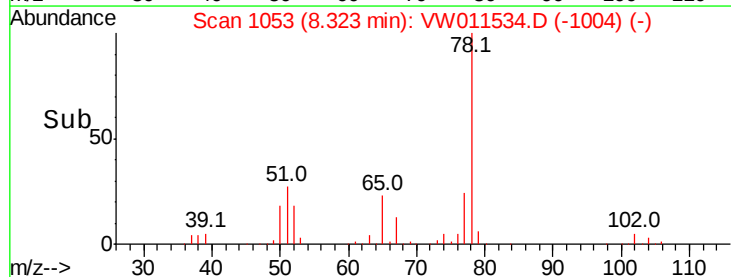
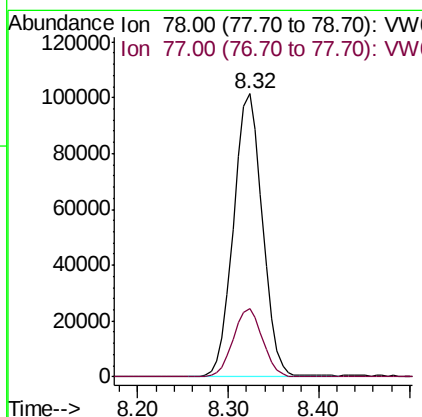
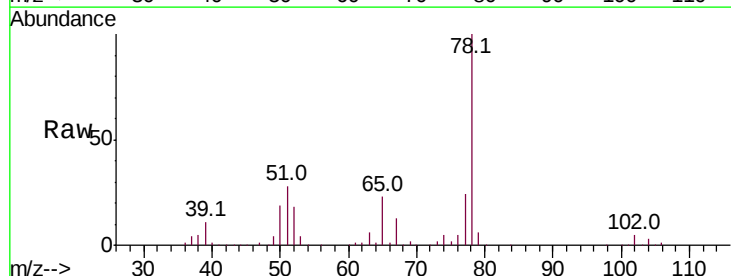
Manual Integrations
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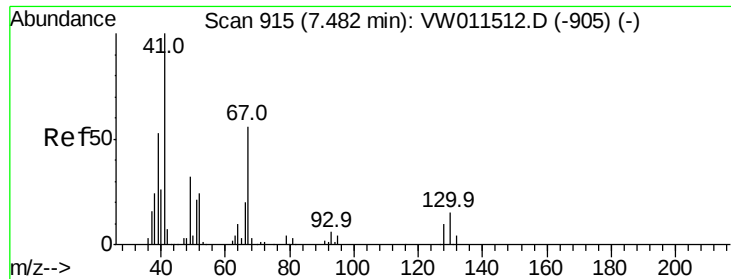
MMDadoda
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#40
Benzene
Concen: 20.411 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	78	Resp	225250
Ion Ratio	100	Lower	Upper
78	100	19.4	29.0
77	24.2		





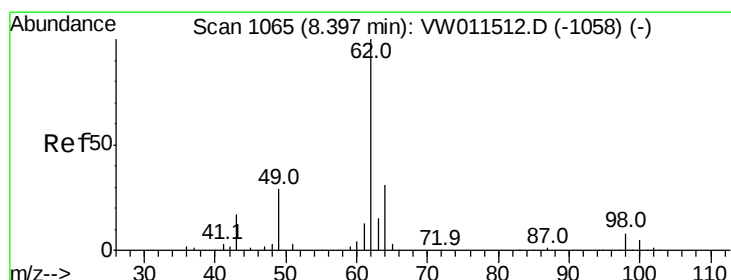
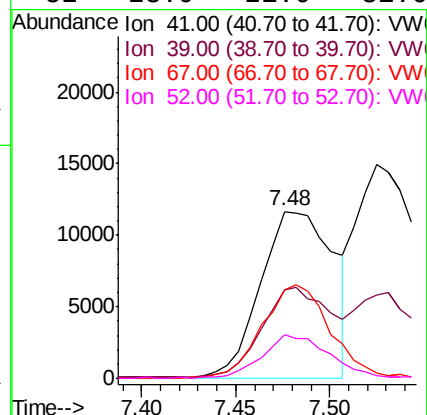
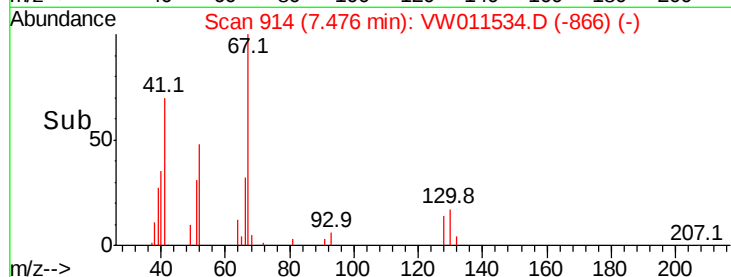
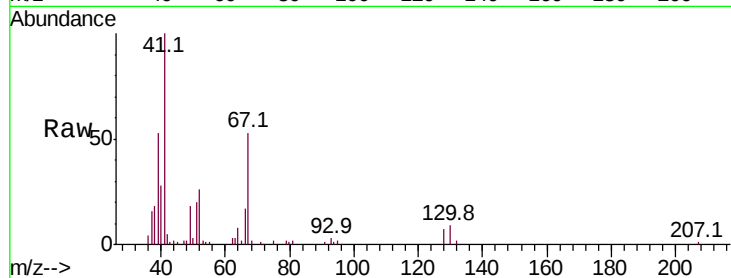
#41
Methacrylonitrile
Concen: 23.163 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	41	Resp	31386
Ion	Ratio	Lower	Upper
41	100		
39	51.1	43.0	64.4
67	52.5	47.5	71.3
52	23.9	21.0	31.6

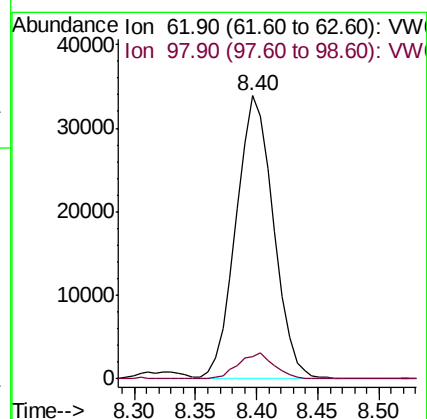
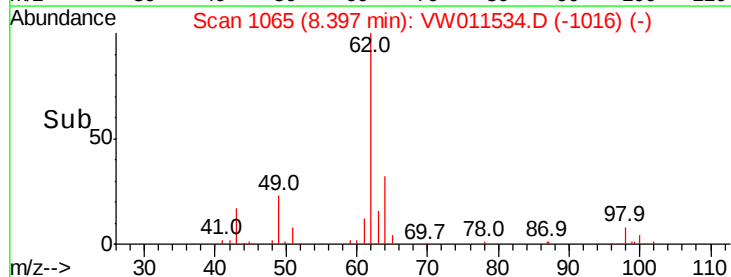
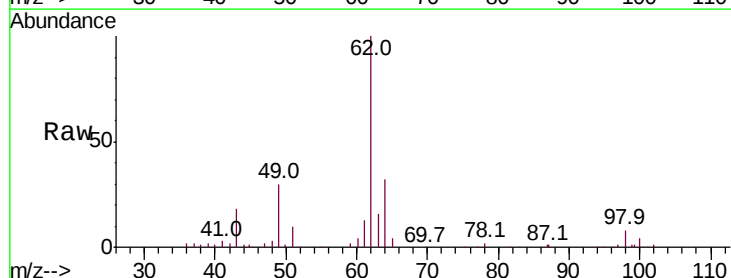
Manual Integrations
APPROVED

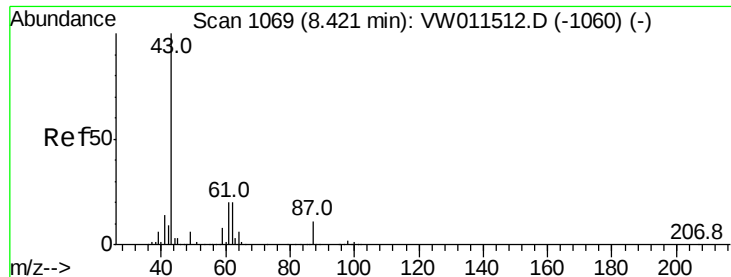
MMDadoda
7/29/2019 9:19:33 AM



#42
1,2-Dichloroethane
Concen: 20.858 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	62	Resp	72068
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.221 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

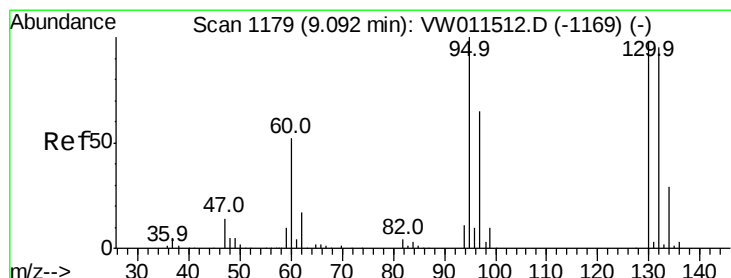
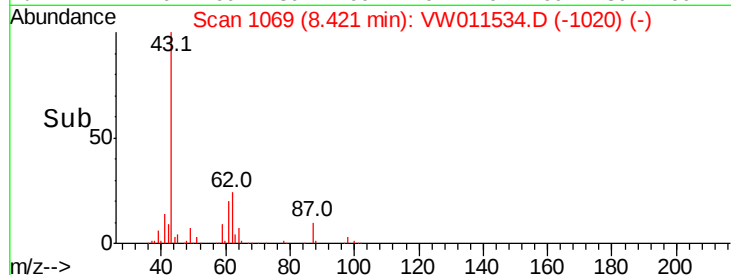
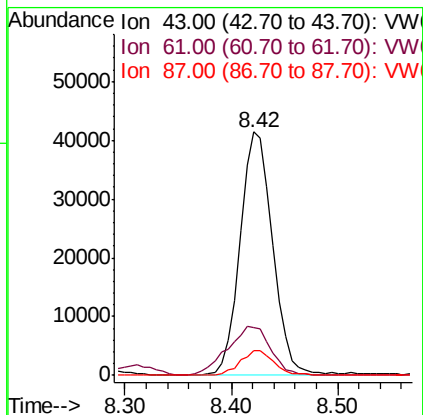
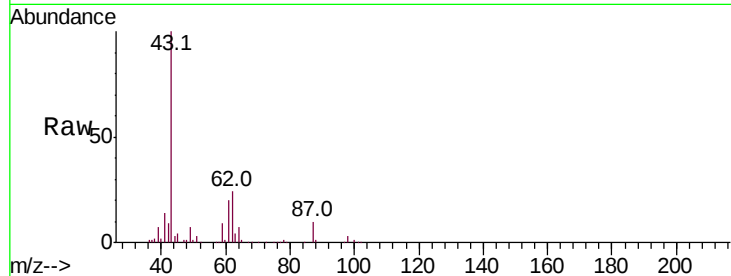
ClientSampleId :

VW0727SBS02

Tot Ion:	43	Resp:	88462
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.5	32.3
87	10.6	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.297 ug/l

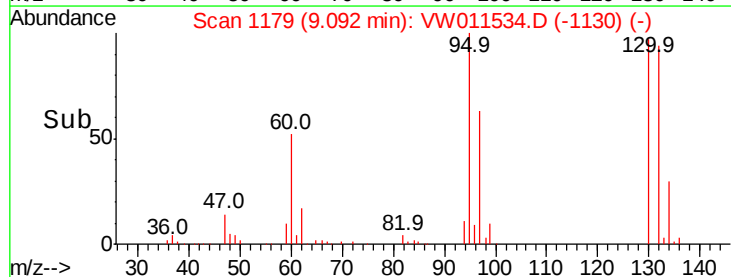
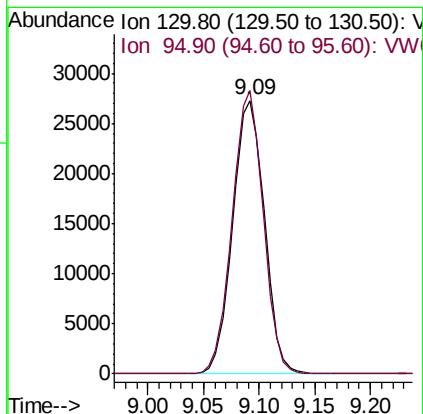
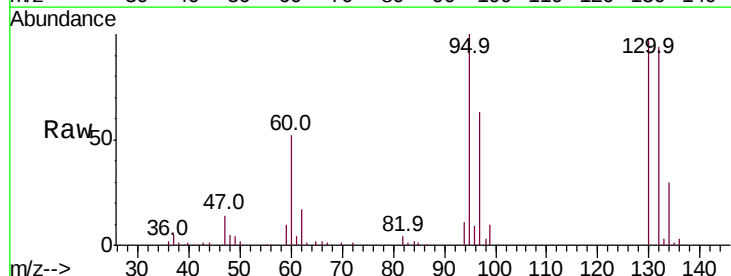
RT: 9.09 min Scan# 1179

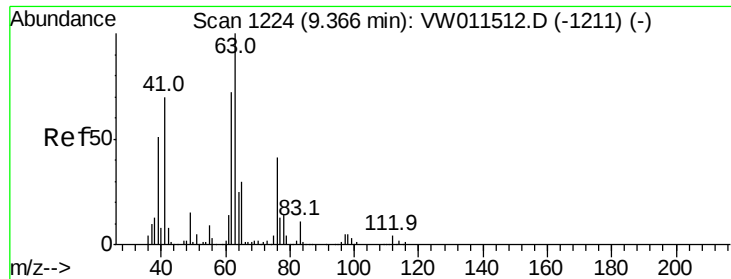
Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Tgt Ion:	130	Resp:	53838
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	204.8





#45

1,2-Dichloropropane

Concen: 20.558 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBSD02

Tot Ion: 63 Resp: 60704

Ion Ratio Lower Upper

63 100

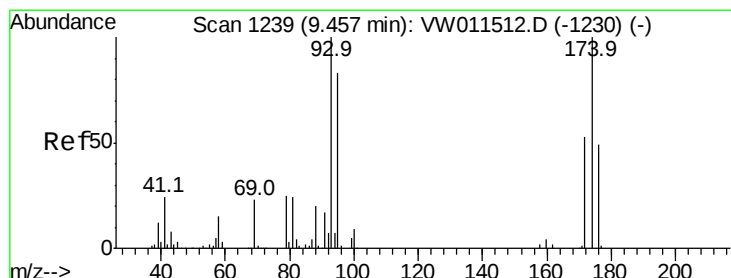
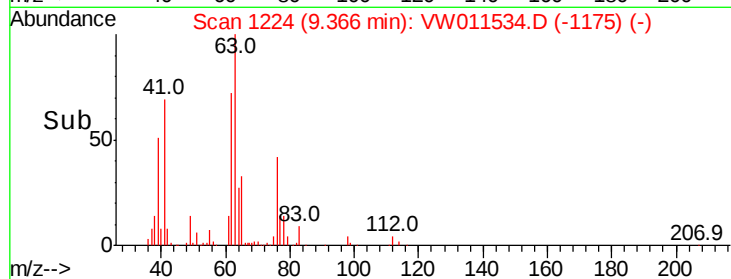
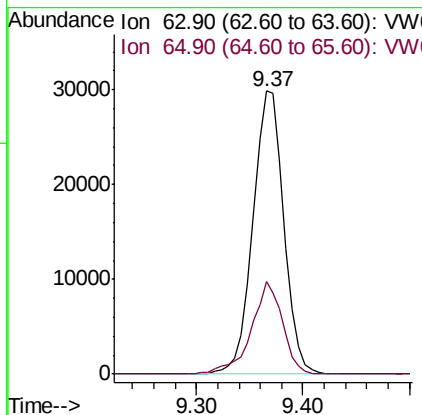
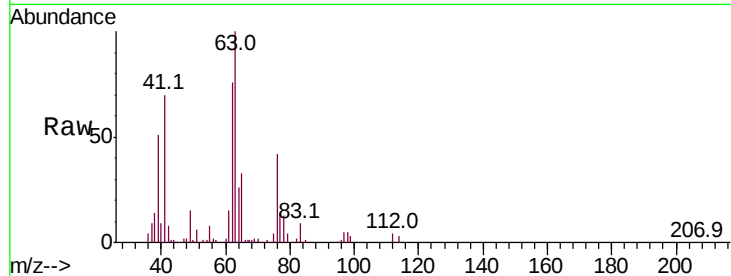
65 32.6 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 20.934 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

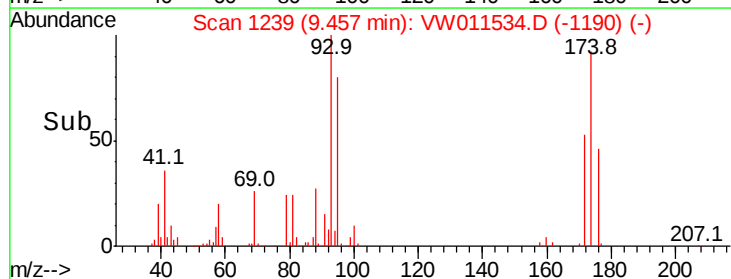
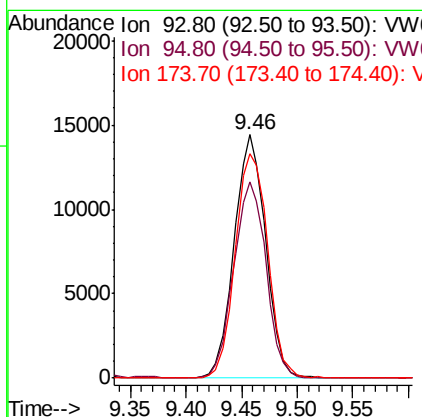
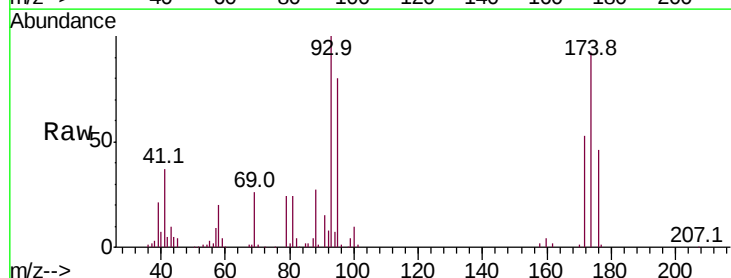
Tgt Ion: 93 Resp: 28214

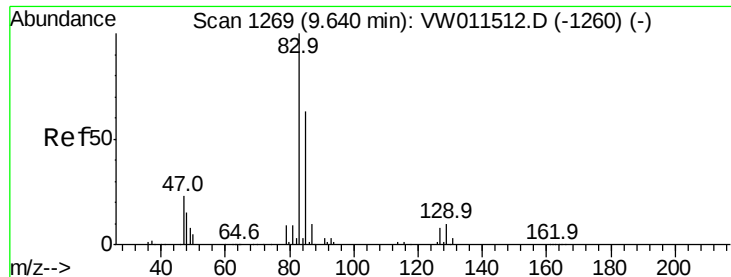
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.2

174 95.2 78.2 117.4





#47

Bromodichloromethane

Concen: 19.896 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

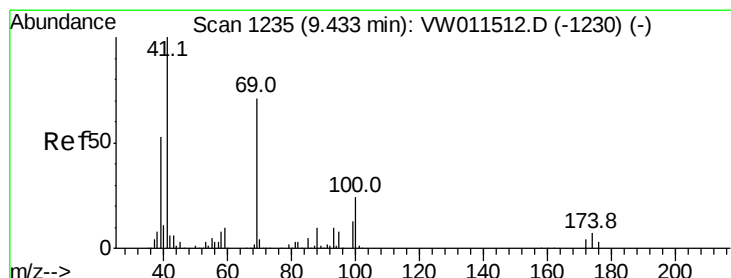
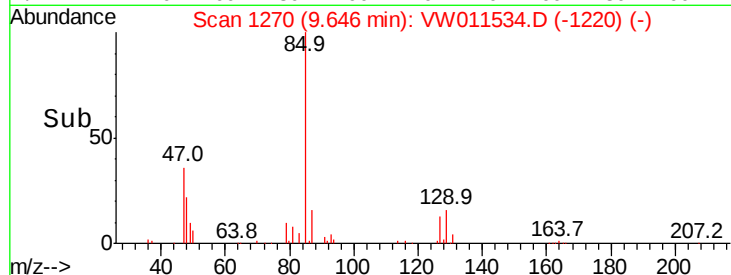
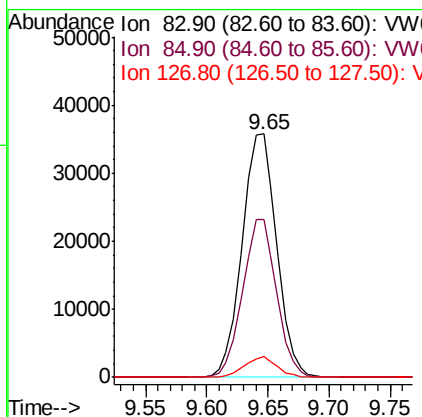
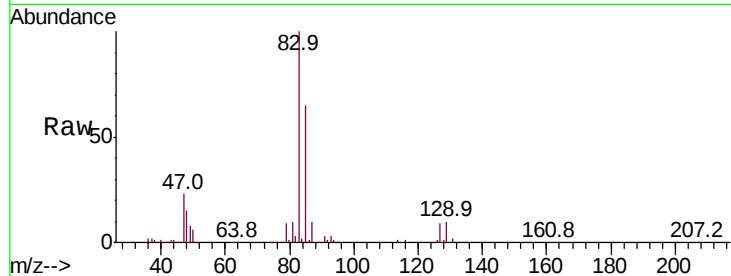
ClientSampleId :

VW0727SBS02

Tot Ion:	83	Resp:	70336
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.5	75.7
127	8.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.937 ug/l

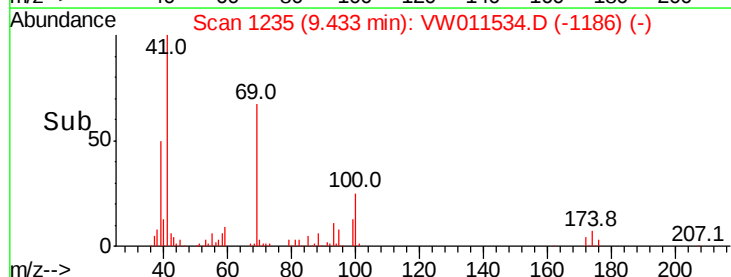
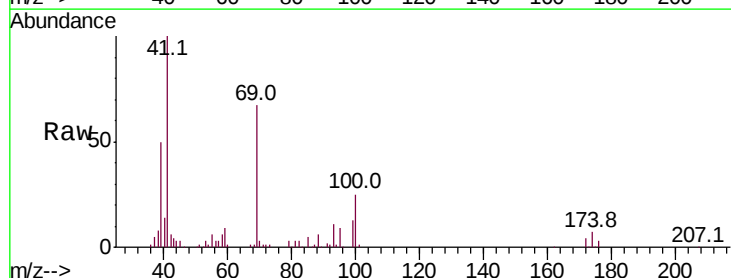
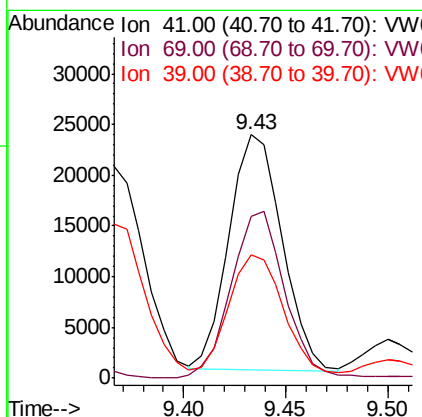
RT: 9.43 min Scan# 1235

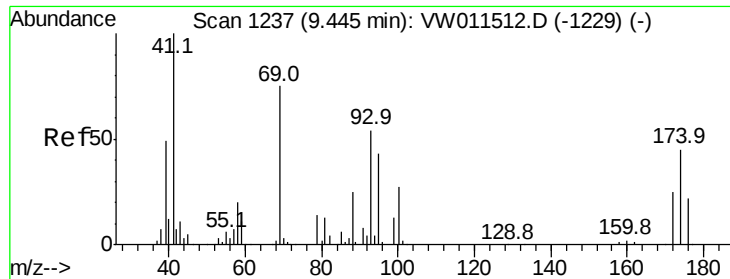
Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Tgt Ion:	41	Resp:	41925
Ion Ratio	Lower	Upper	
41	100		
69	72.1	57.1	85.7
39	55.5	45.4	68.2





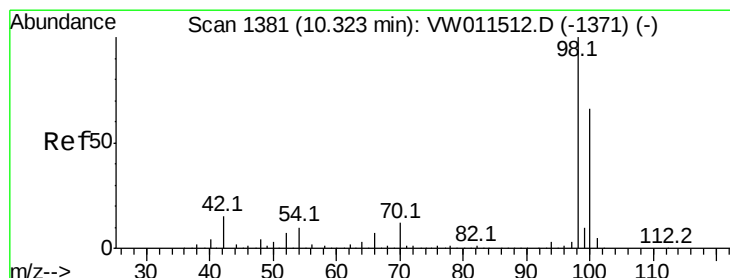
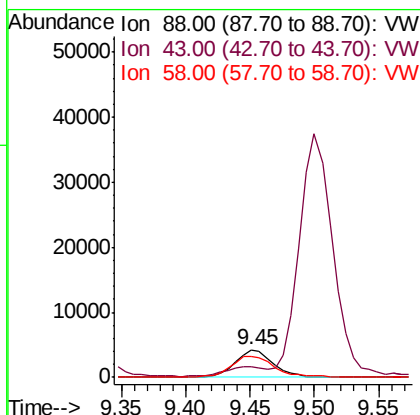
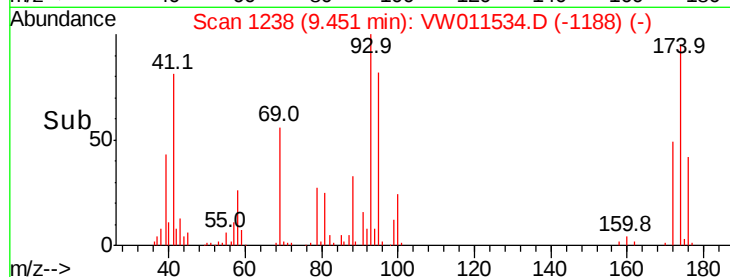
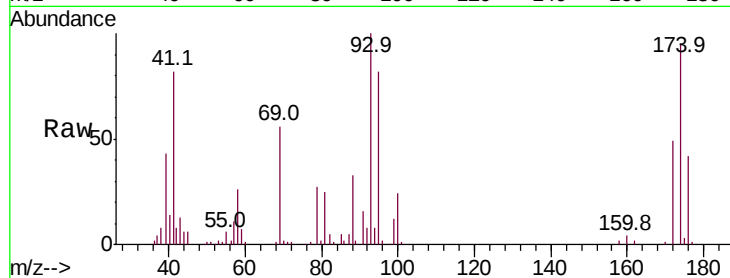
#49
1,4-Dioxane
Concen: 431.889 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	88	Resp	8428
Ion	Ratio	Lower	Upper
88	100		
43	38.5	34.0	51.0
58	91.5	69.7	104.5

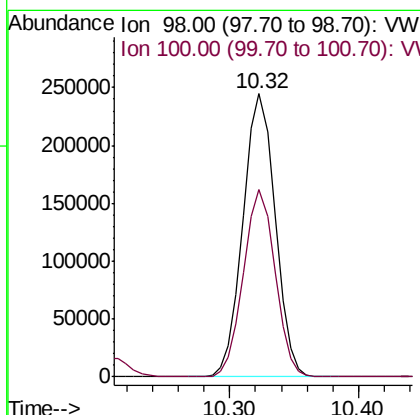
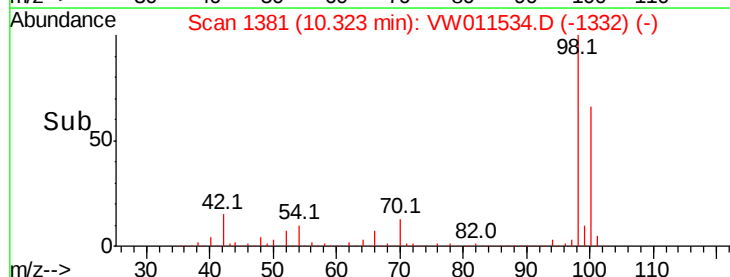
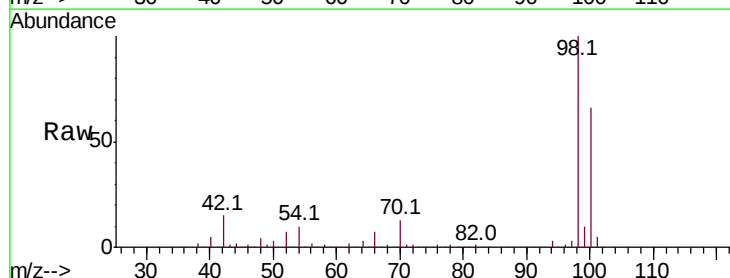
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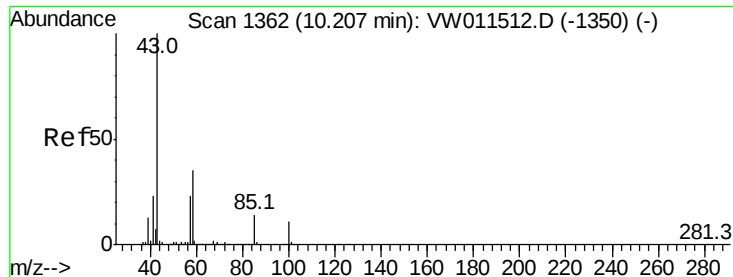
MMDadoda
7/29/2019 9:19:33 AM



#50
Toluene-d8
Concen: 48.515 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	98	Resp	422237
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 107.184 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 43 Resp: 232411

Ion Ratio Lower Upper

43 100

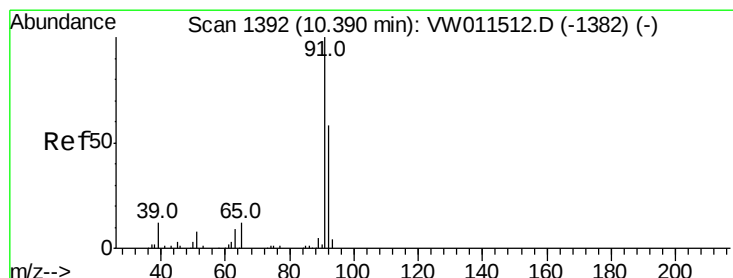
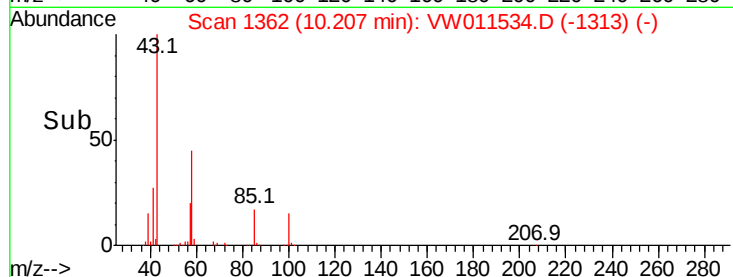
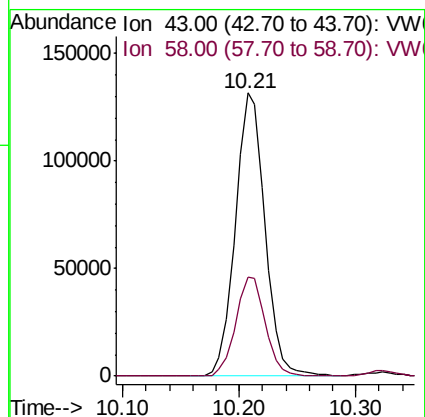
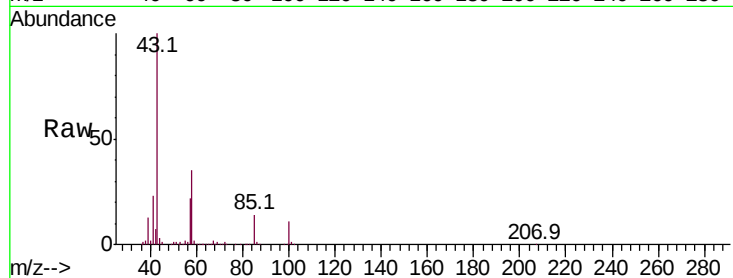
58 35.2 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 20.374 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011534.D

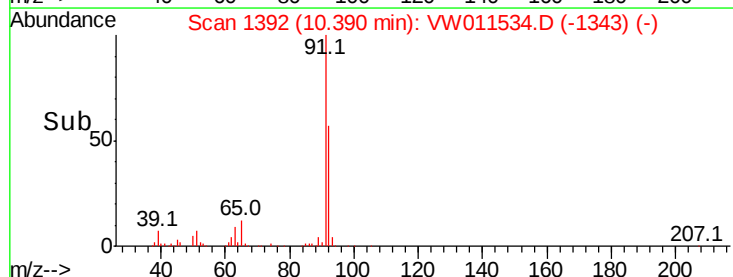
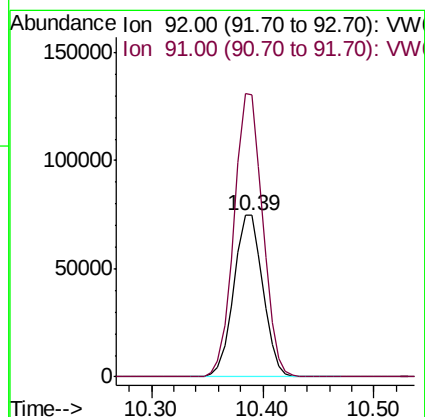
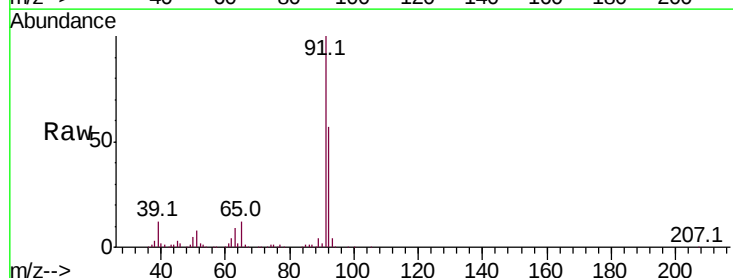
Acq: 27 Jul 2019 00:00

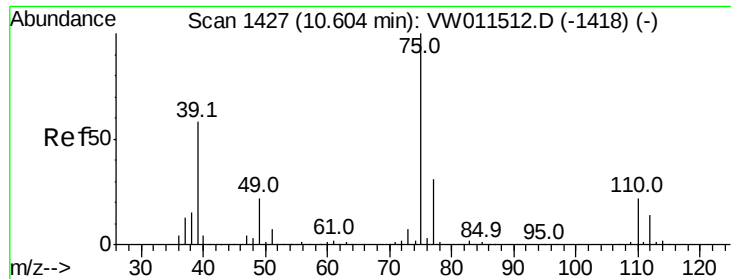
Tgt Ion: 92 Resp: 135784

Ion Ratio Lower Upper

92 100

91 172.1 136.7 205.1





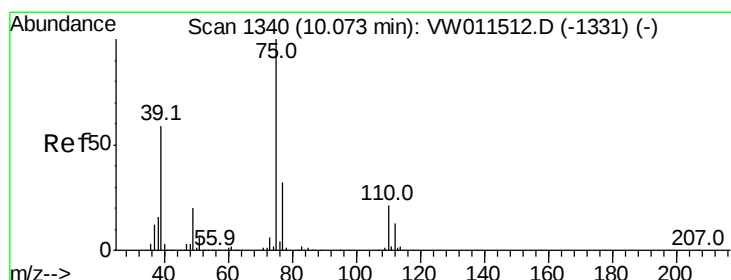
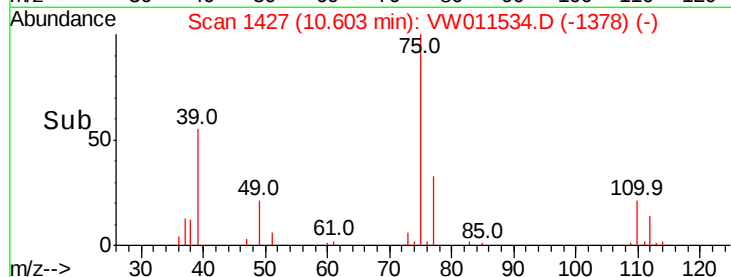
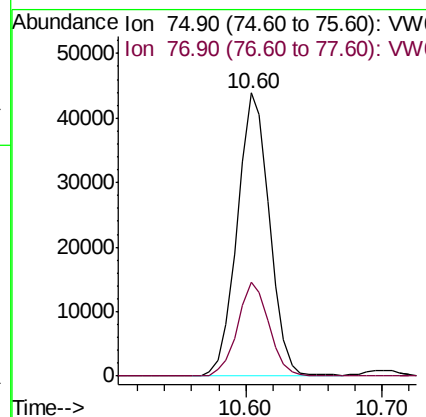
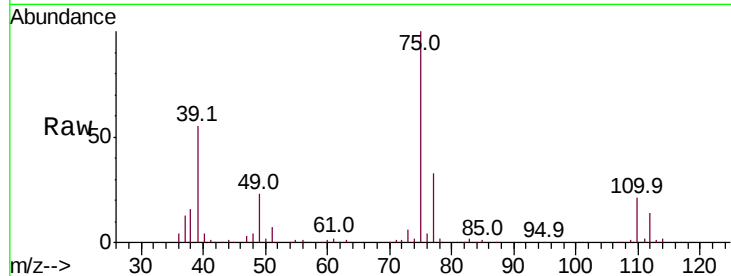
#53
t-1,3-Dichloropropene
Concen: 19.584 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion: 75 Resp: 72324
Ion Ratio Lower Upper
75 100
77 33.1 25.0 37.4

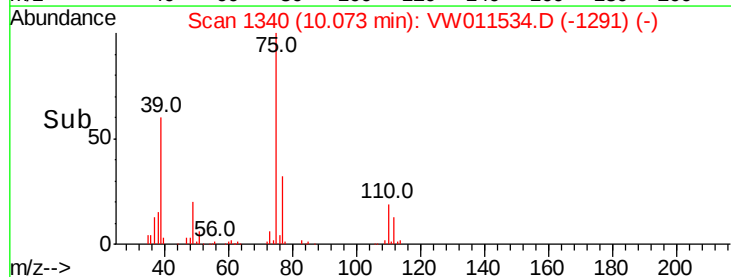
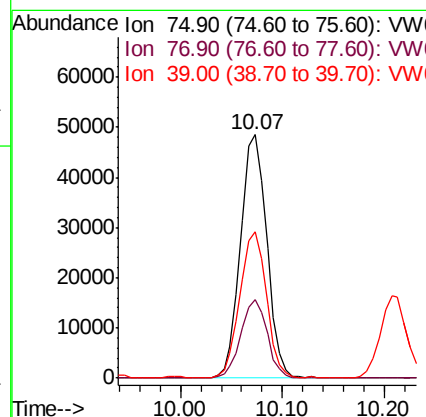
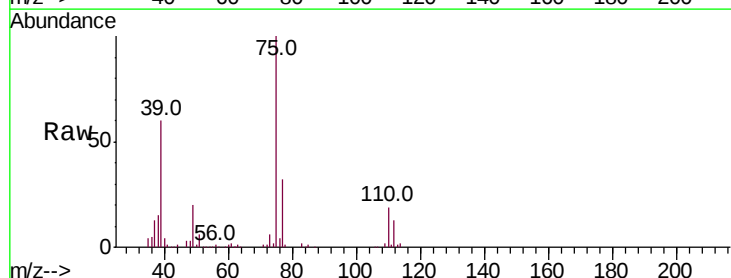
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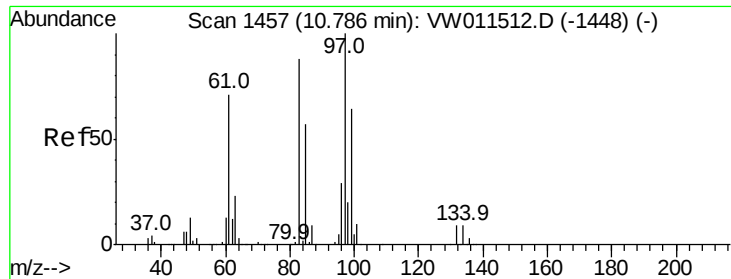
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.727 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion: 75 Resp: 86620
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4
39 60.1 47.0 70.4





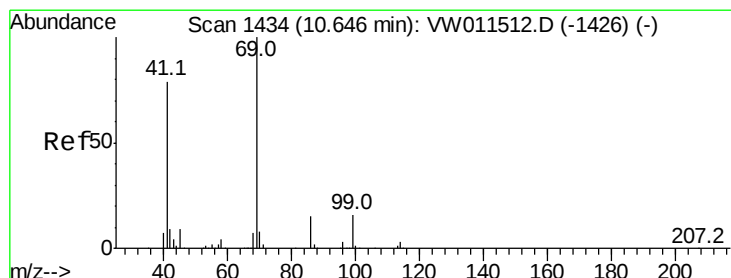
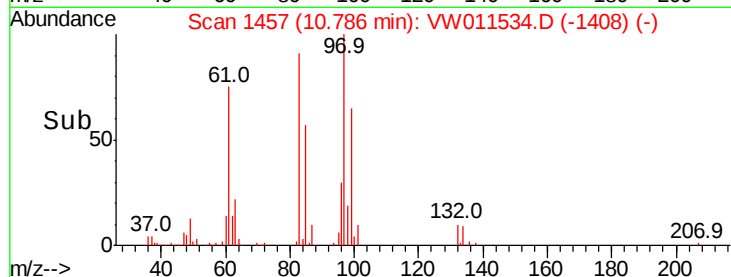
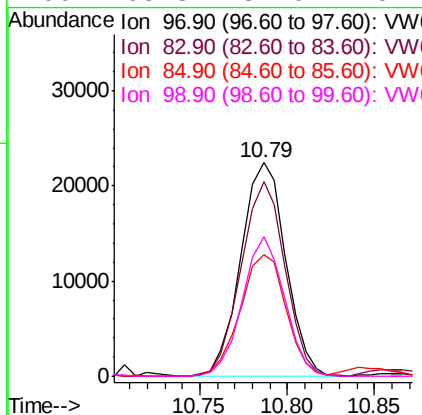
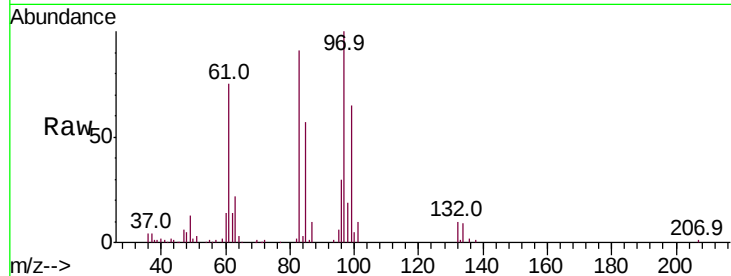
#55
 1,1,2-Trichloroethane
 Concen: 20.969 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBS02

Tot Ion:	97	Resp:	40097
Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.5	105.7
85	56.9	45.8	68.6
99	65.3	51.0	76.4

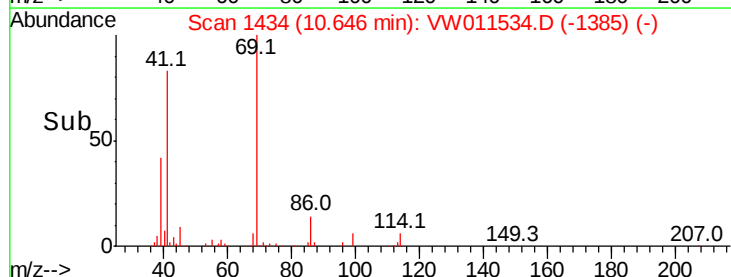
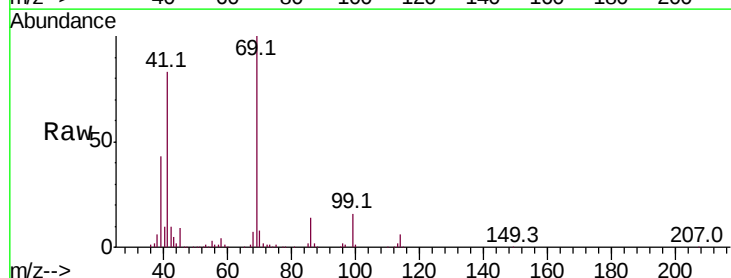
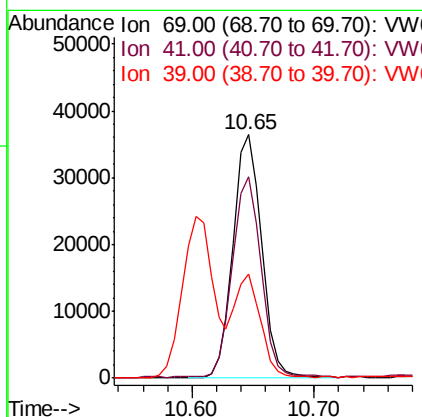
Manual Integrations
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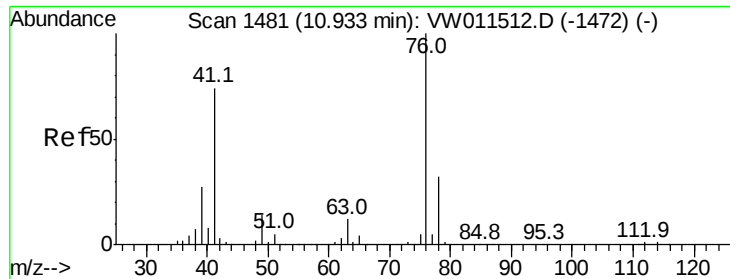
MMDadoda
 7/29/2019 9:19:33 AM



#56
 Ethyl methacrylate
 Concen: 21.085 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Tgt Ion:	69	Resp:	59001
Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.6	99.8
39	38.2	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.075 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion: 76 Resp: 76244

Ion Ratio Lower Upper

76 100

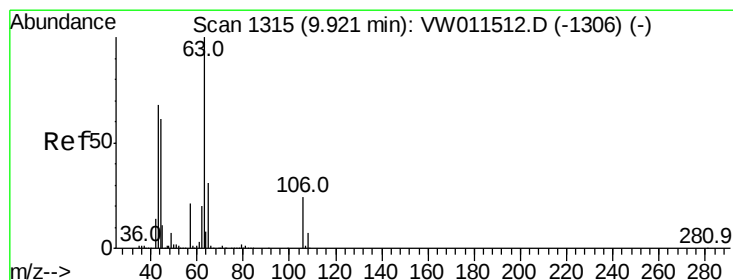
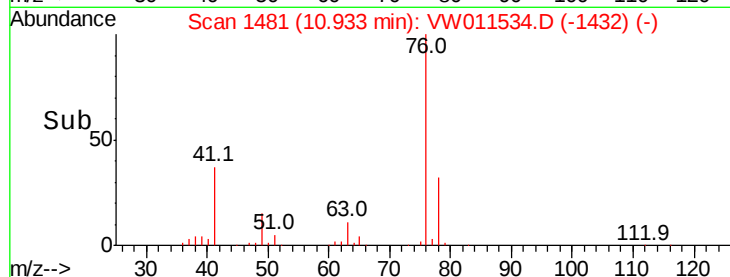
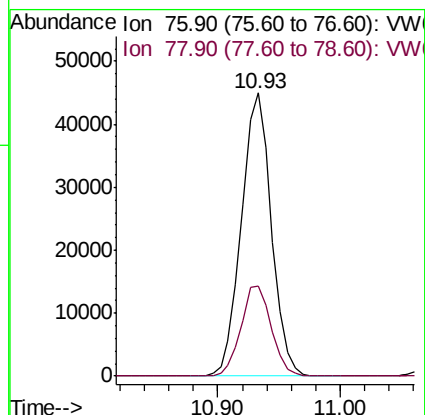
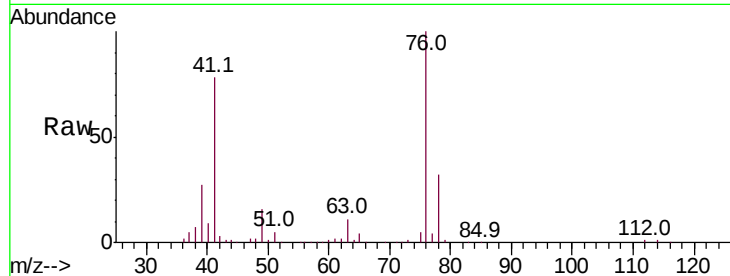
78 32.2 25.2 37.8

Manual Integrations

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MMDadoda

7/29/2019 9:19:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 111.264 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011534.D

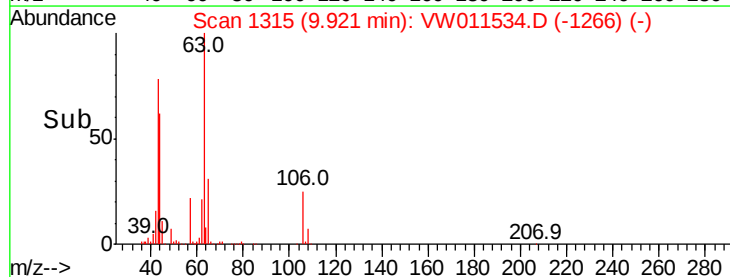
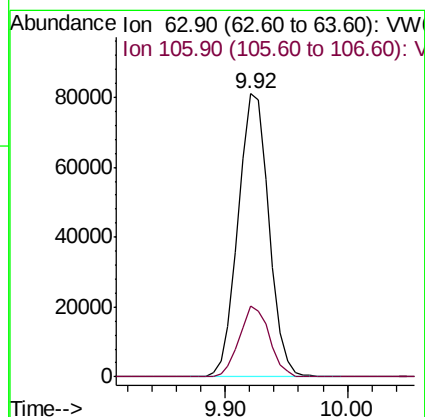
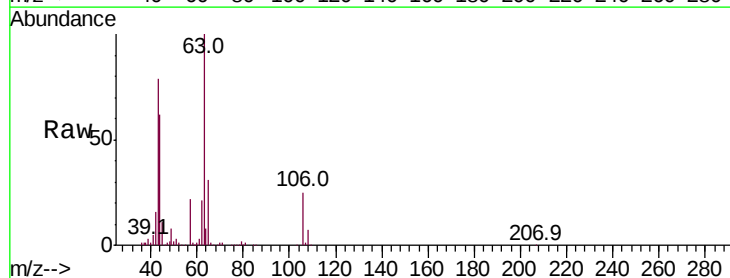
Acq: 27 Jul 2019 00:00

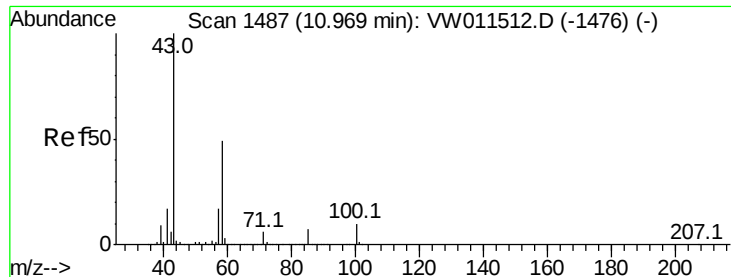
Tgt Ion: 63 Resp: 141360

Ion Ratio Lower Upper

63 100

106 24.5 19.7 29.5





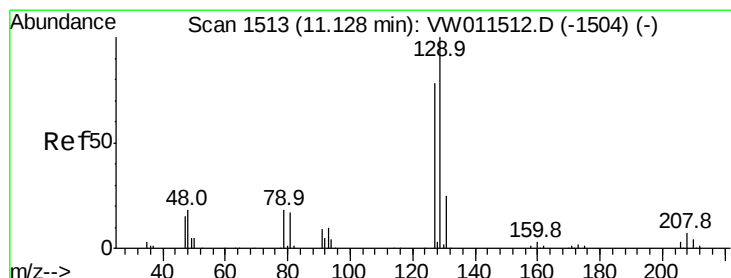
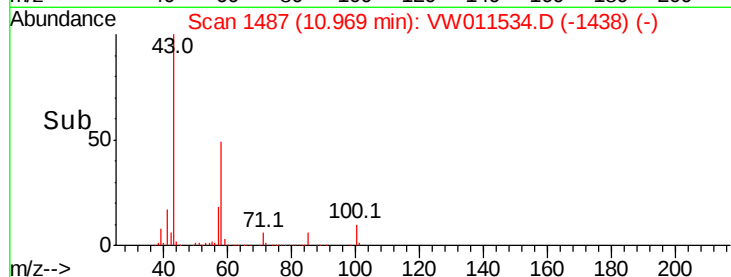
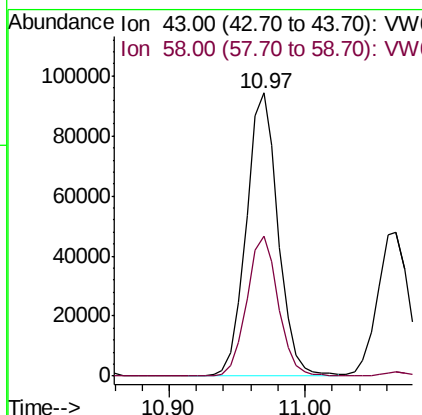
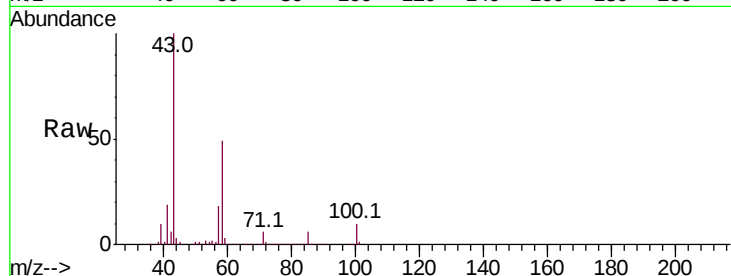
#59
2-Hexanone
Concen: 100.731 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion: 43 Resp: 154218
Ion Ratio Lower Upper
43 100
58 49.2 24.3 72.9

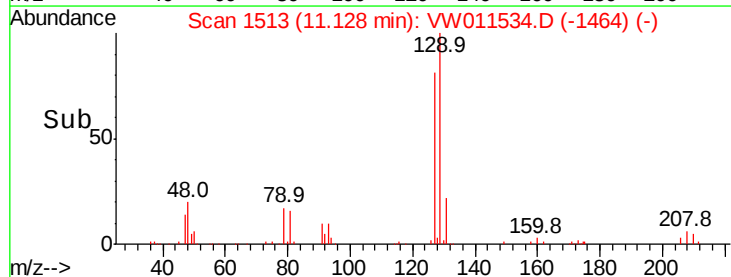
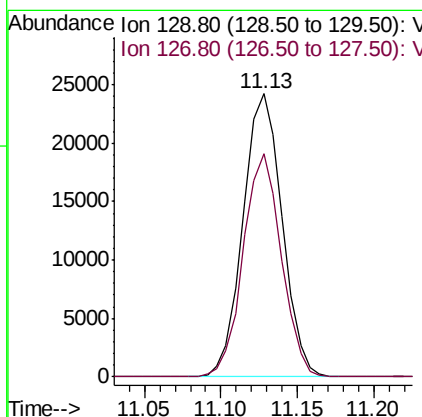
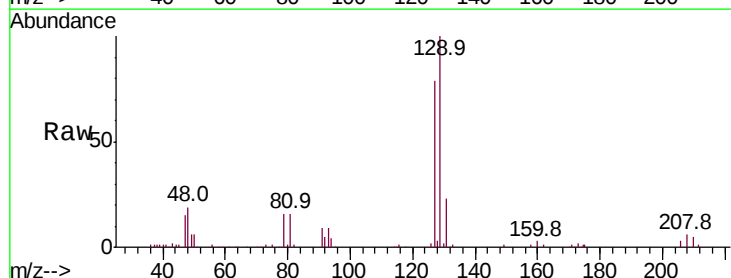
Manual Integrations
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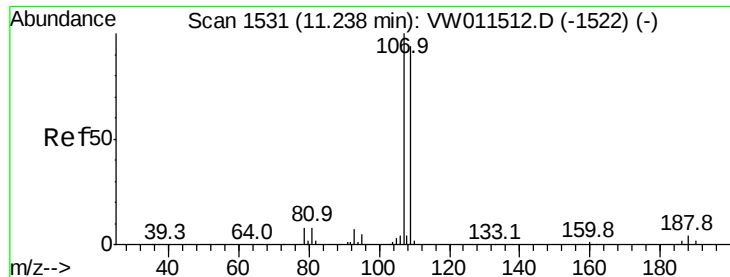
MMDadoda
7/29/2019 9:19:33 AM



#60
Dibromochloromethane
Concen: 20.335 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion: 129 Resp: 43164
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





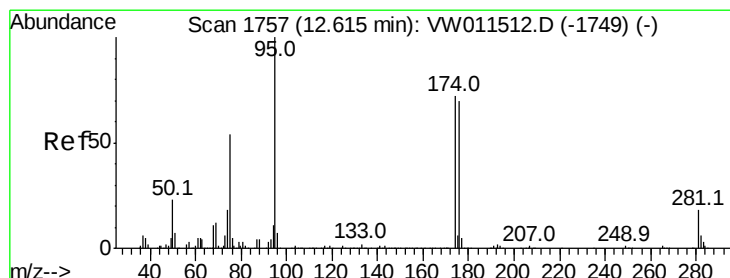
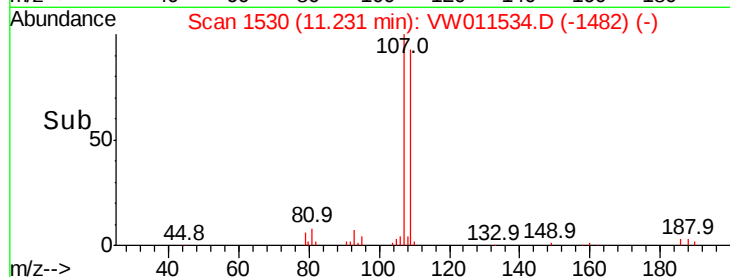
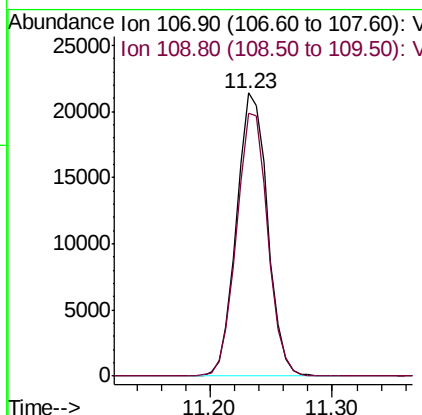
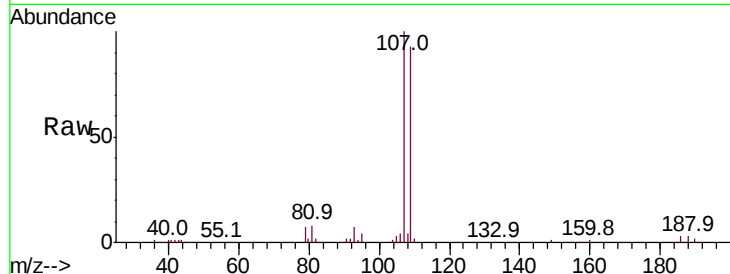
#61
 1,2-Dibromoethane
 Concen: 20.801 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.0	112.6

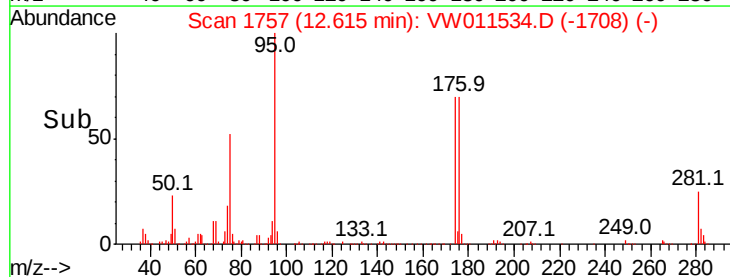
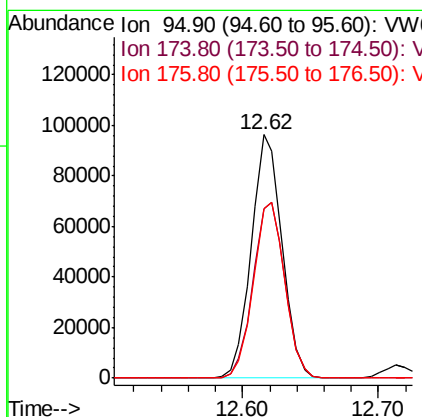
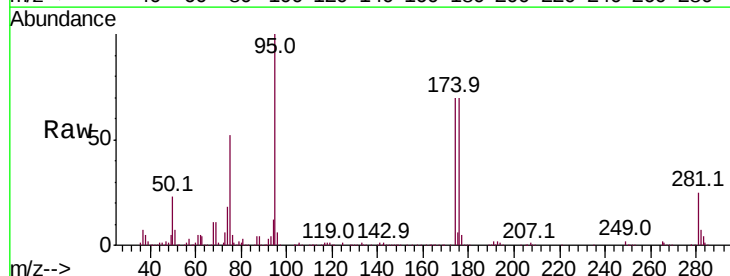
Manual Integrations
 APPROVED

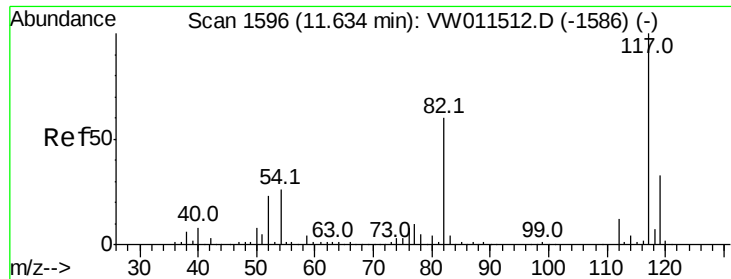
MMDadoda
 7/29/2019 9:19:33 AM



#62
 4-Bromofluorobenzene
 Concen: 49.350 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.2
176	73.8	0.0	144.4





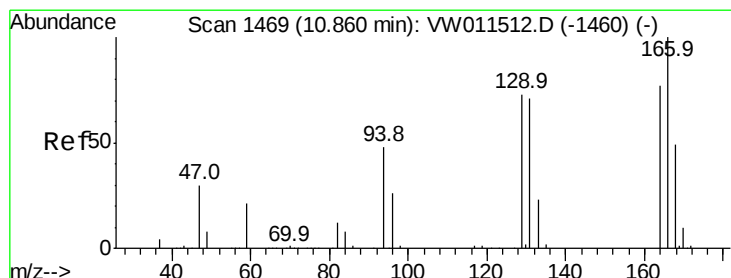
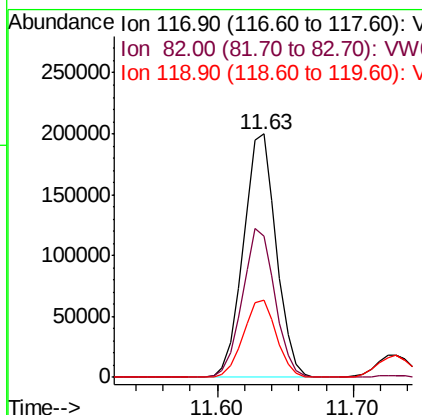
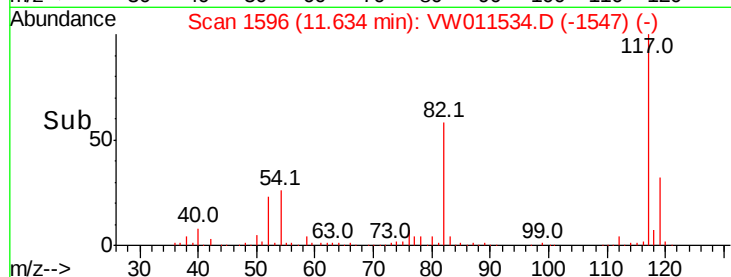
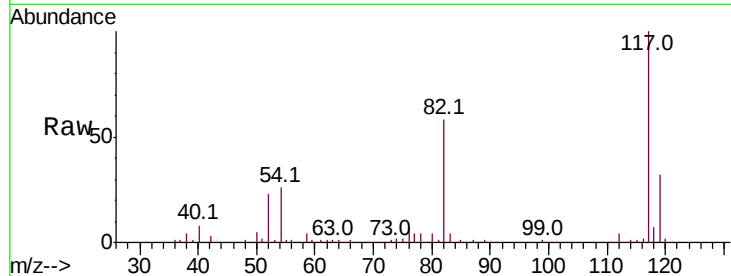
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.9	71.9
119	32.0	26.2	39.2

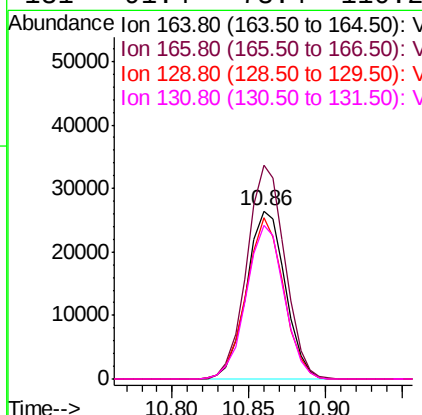
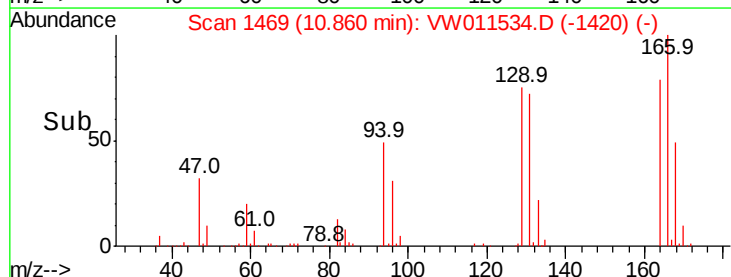
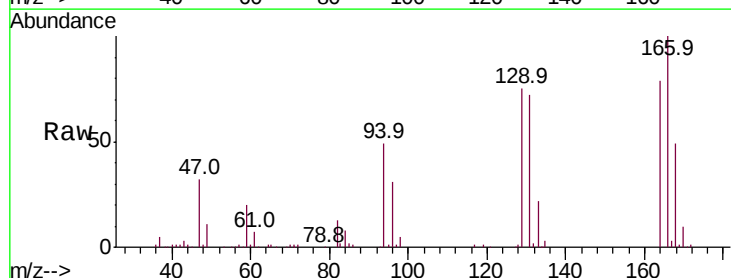
Manual Integrations
APPROVED

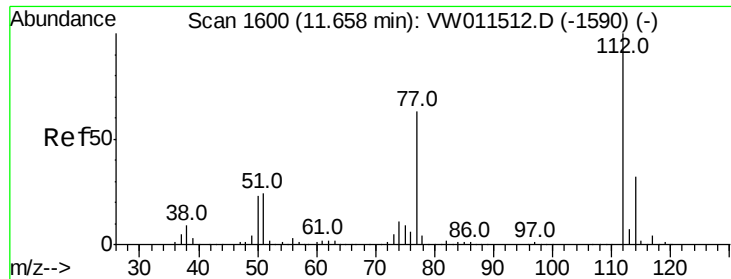
MMDadoda
7/29/2019 9:19:33 AM



#64
Tetrachloroethene
Concen: 21.245 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.5	155.3
129	96.0	75.2	112.8
131	91.4	73.4	110.2





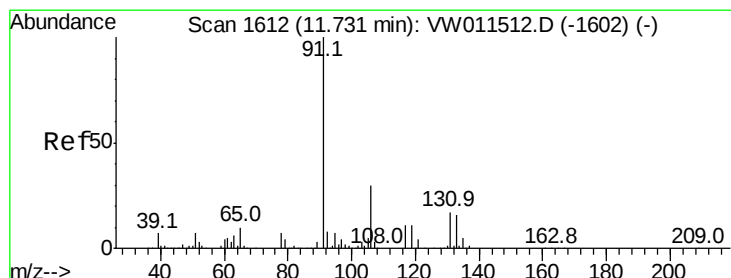
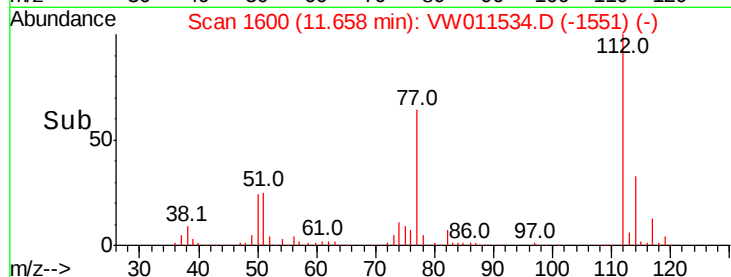
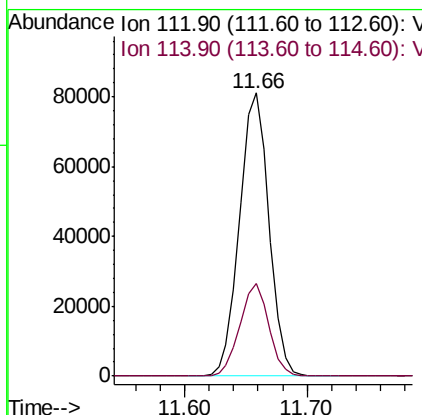
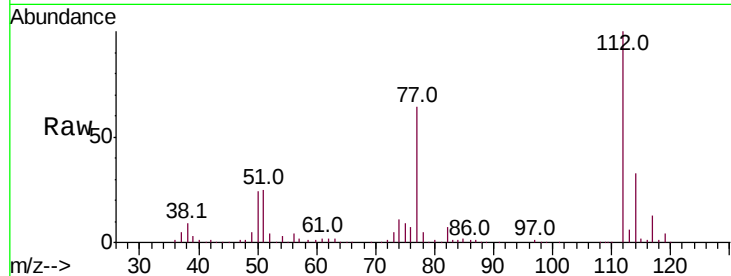
#65
Chlorobenzene
Concen: 20.007 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion:112 Resp: 135317
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4

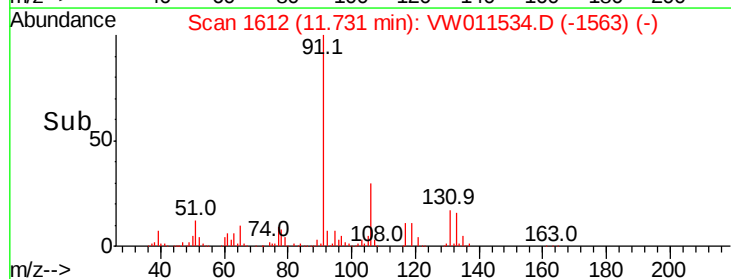
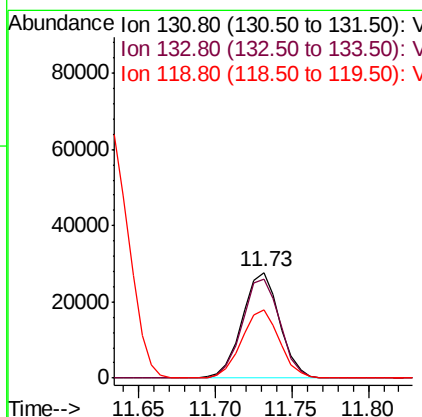
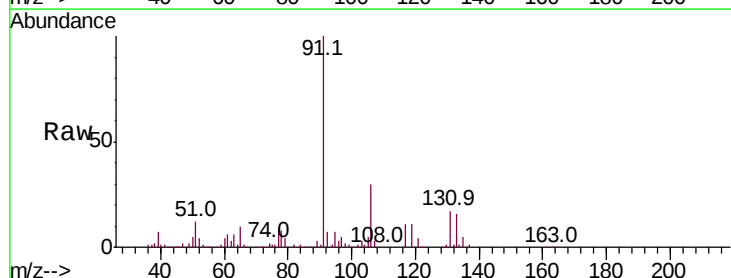
Manual Integrations
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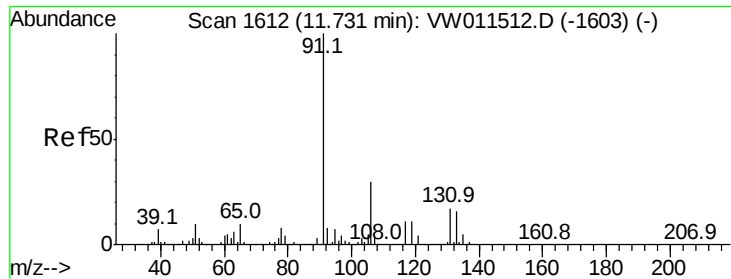
MMDadoda
7/29/2019 9:19:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.950 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion:131 Resp: 47001
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 65.4 32.3 96.9





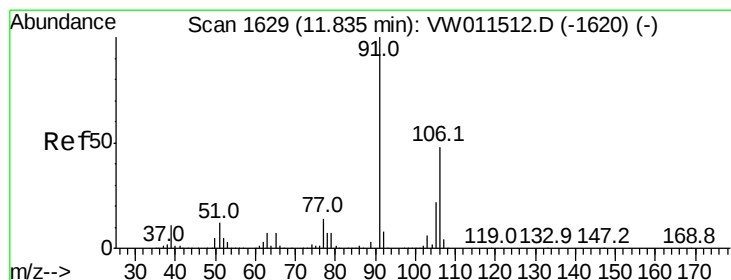
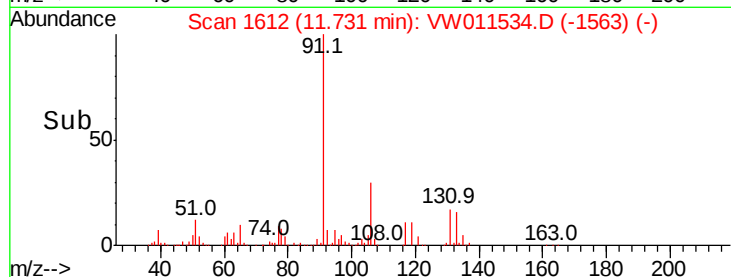
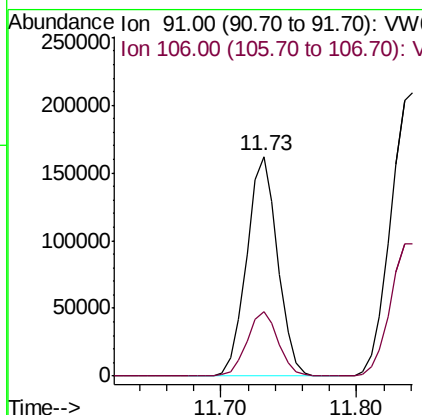
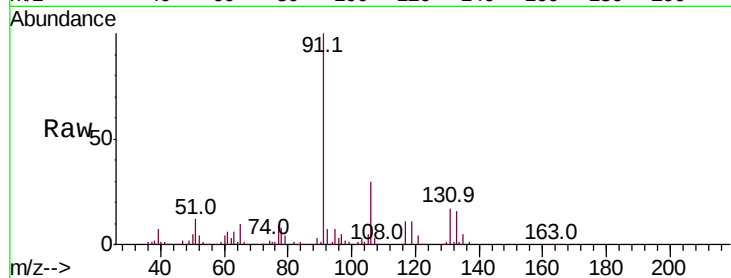
#67
Ethyl Benzene
Concen: 20.044 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion: 91 Resp: 258193
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

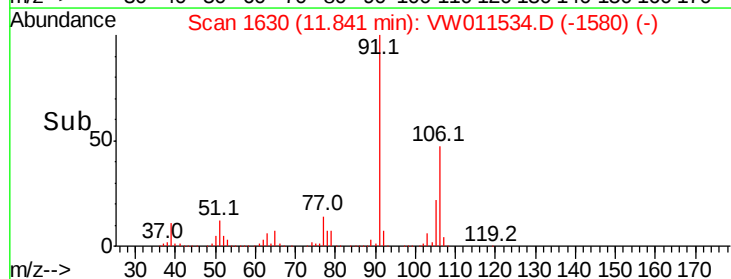
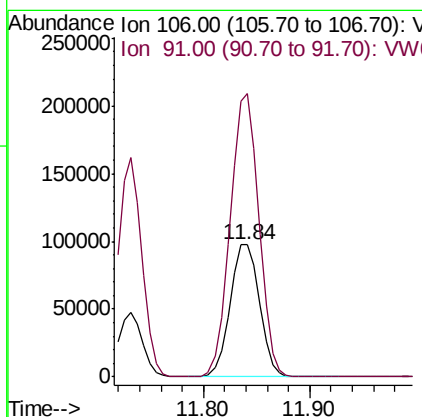
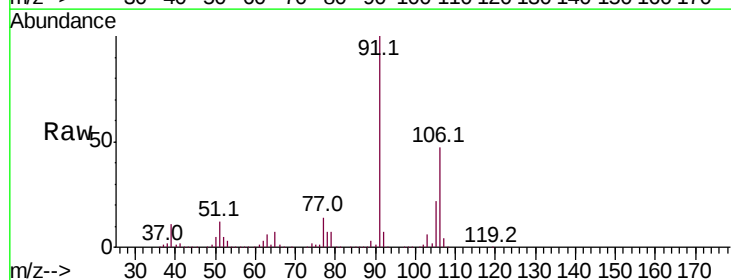
Manual Integrations
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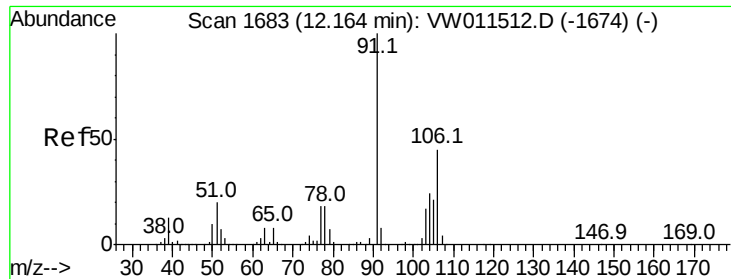
MMDadoda
7/29/2019 9:19:33 AM



#68
m/p-Xylenes
Concen: 40.375 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion: 106 Resp: 189140
Ion Ratio Lower Upper
106 100
91 209.1 168.2 252.2





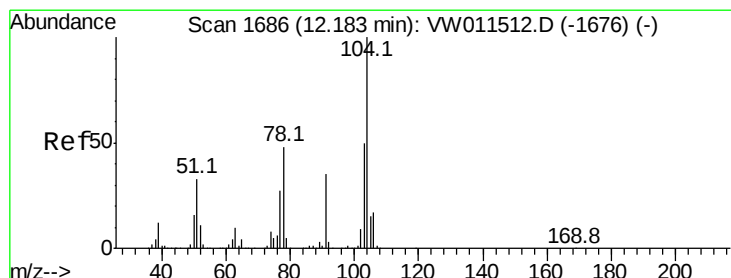
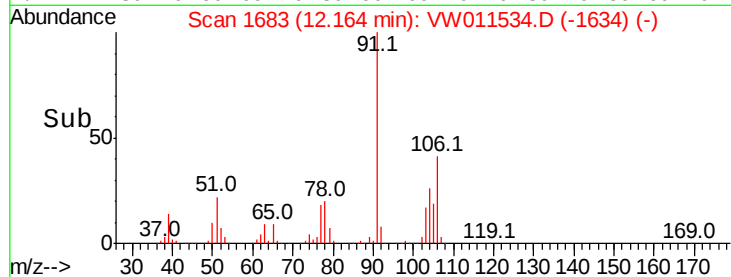
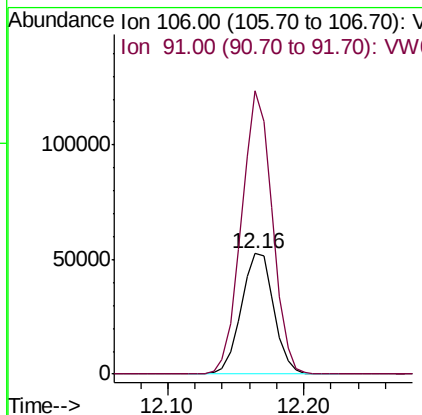
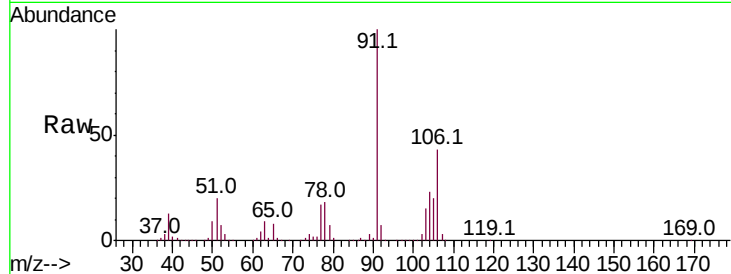
#69
o-Xylene
Concen: 20.229 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion:106 Resp: 88061
Ion Ratio Lower Upper
106 100
91 222.2 110.5 331.5

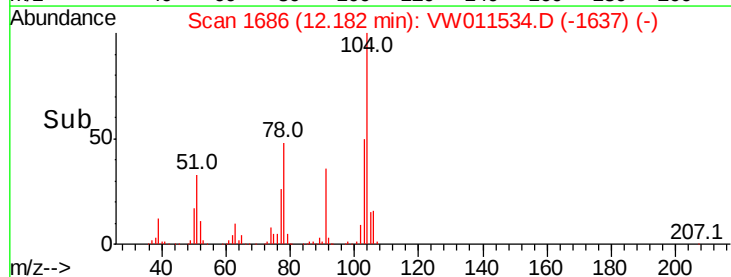
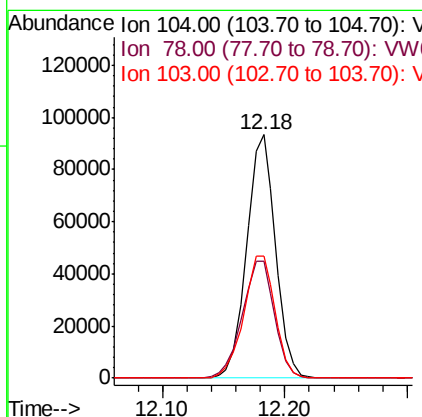
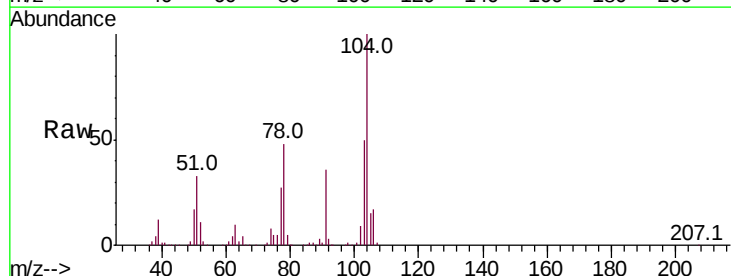
Manual Integrations
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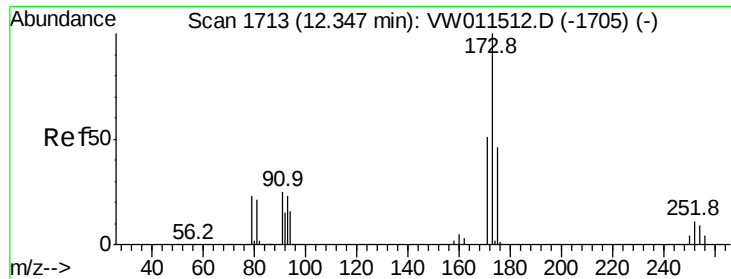
MMDadoda
7/29/2019 9:19:33 AM



#70
Styrene
Concen: 20.304 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion:104 Resp: 152826
Ion Ratio Lower Upper
104 100
78 53.7 43.4 65.0
103 54.6 43.9 65.9





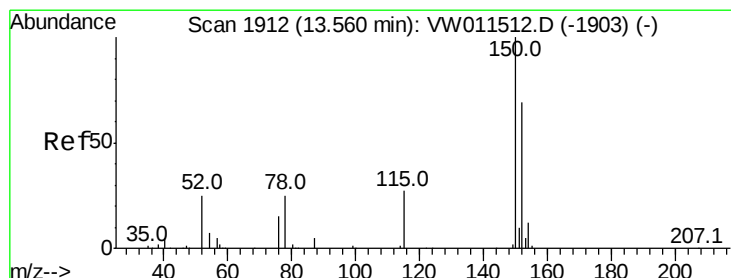
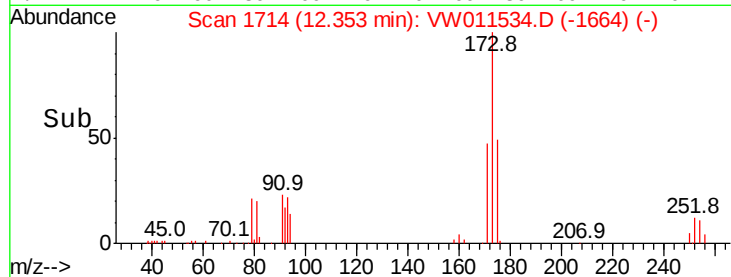
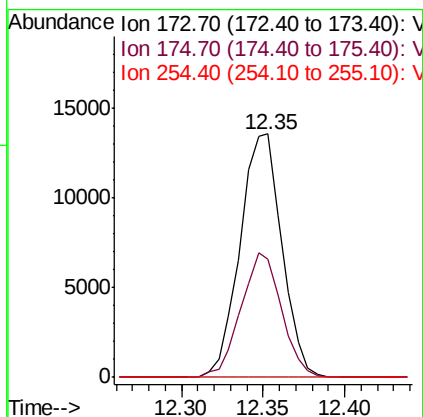
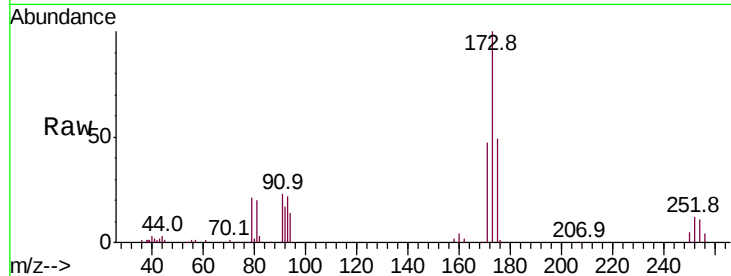
#71
Bromoform
Concen: 20.131 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.6	71.0
254	0.0	0.1	0.1#

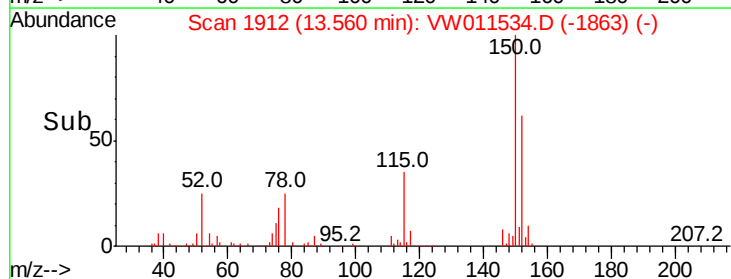
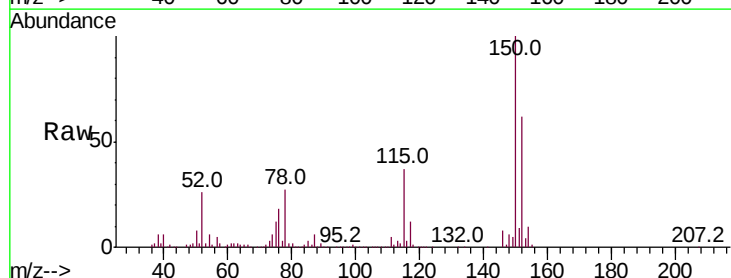
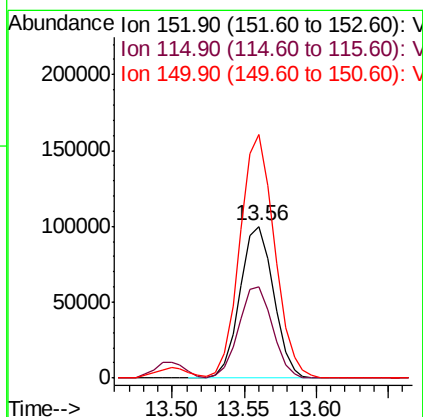
Manual Integrations
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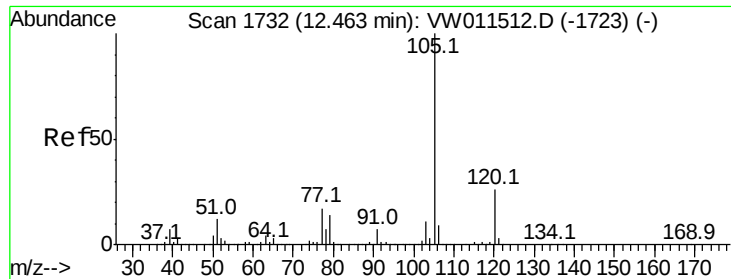
MMDadoda
7/29/2019 9:19:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.5	91.5
150	165.0	0.0	352.6





#73

Isopropylbenzene

Concen: 19.710 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion:105 Resp: 238394

Ion Ratio Lower Upper

105 100

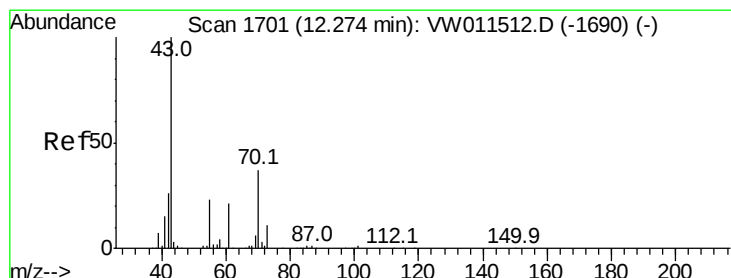
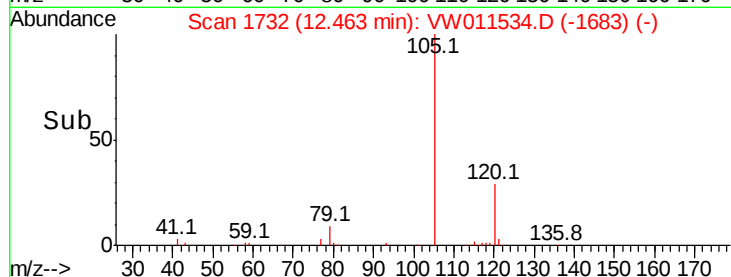
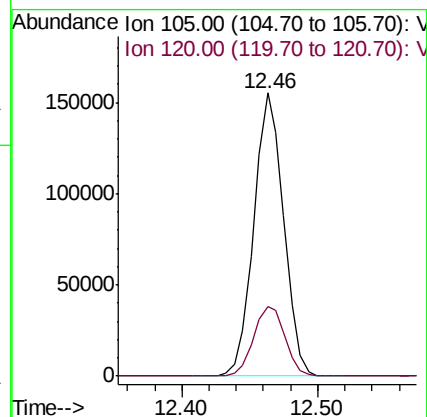
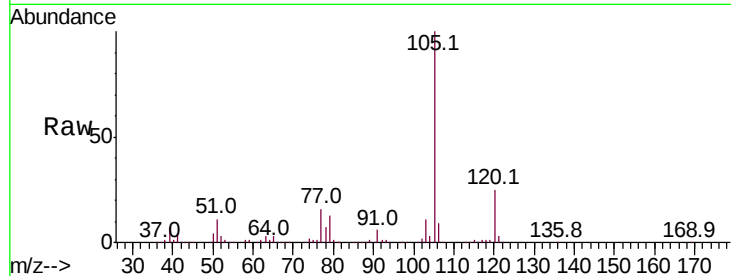
120 26.1 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.836 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Tgt Ion: 43 Resp: 78900

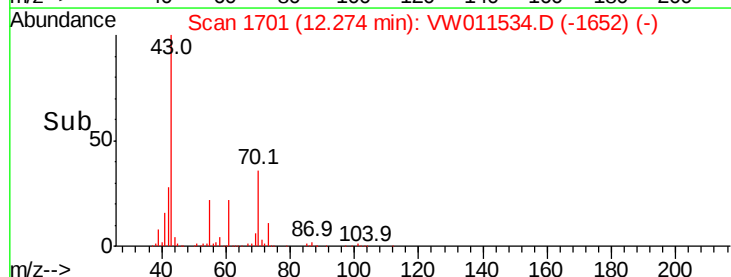
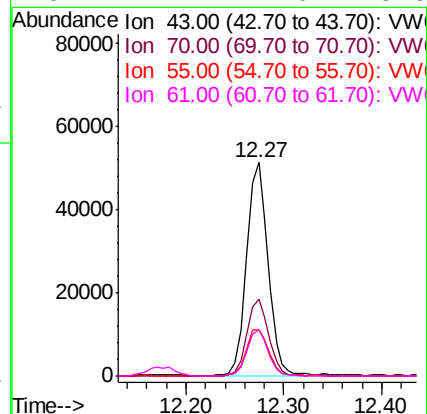
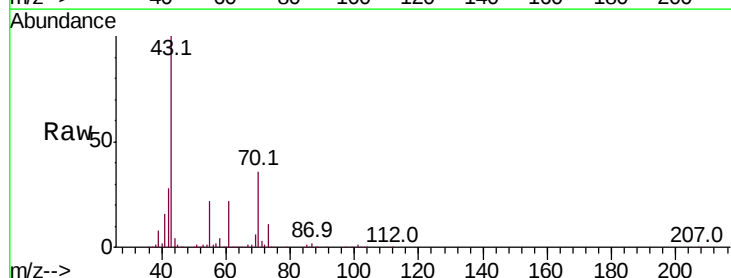
Ion Ratio Lower Upper

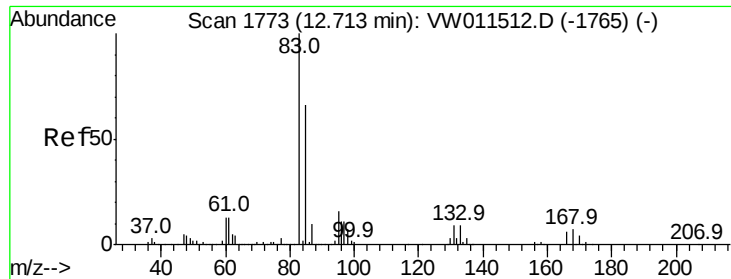
43 100

70 35.9 28.6 43.0

55 22.8 17.8 26.8

61 21.2 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.294 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

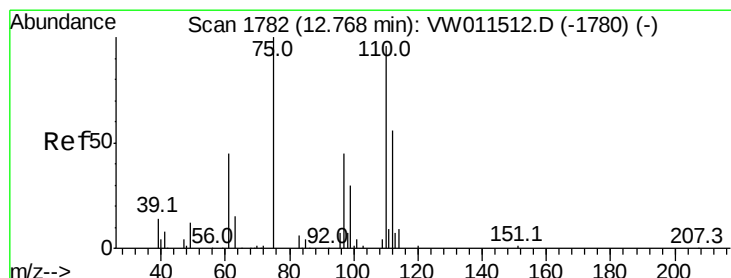
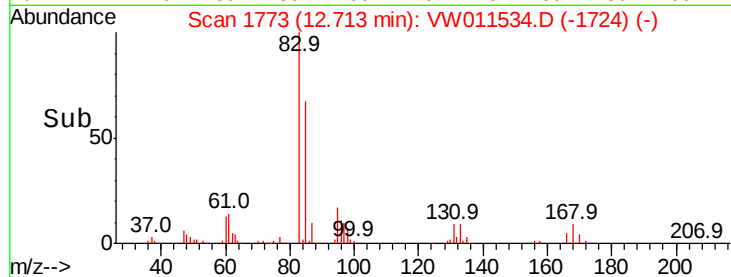
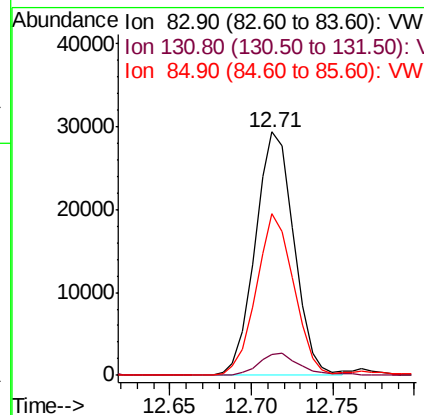
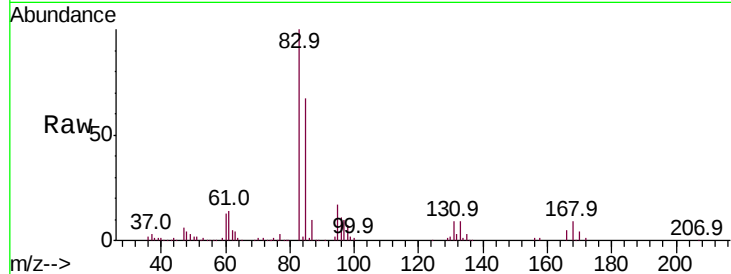
ClientSampleId :

VW0727SBS02

Tot Ion:	83	Resp:	48446
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.5	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.942 ug/l m

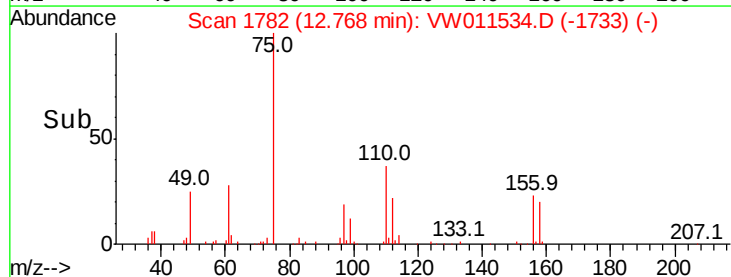
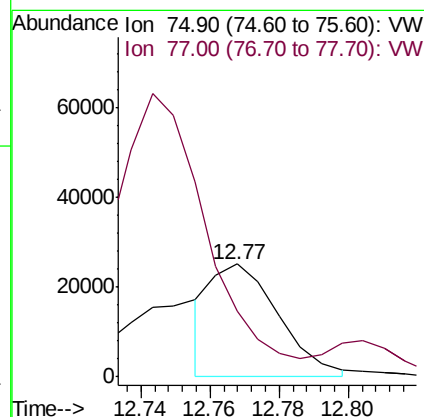
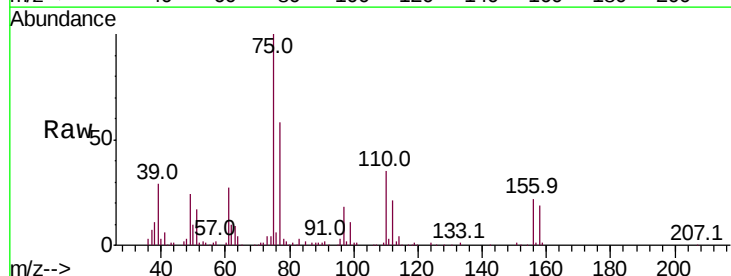
RT: 12.77 min Scan# 1782

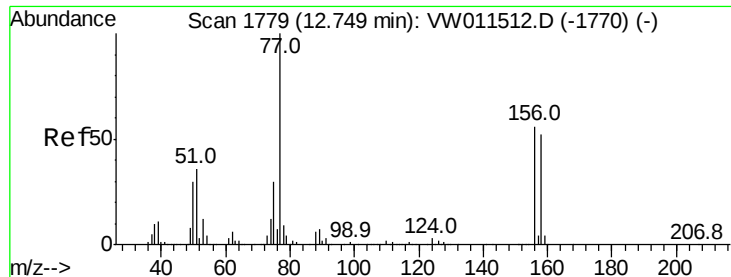
Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Tgt Ion:	75	Resp:	34210
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.776 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

VW0727SBS02

Tot Ion:156 Resp: 55542

Ion Ratio Lower Upper

156 100

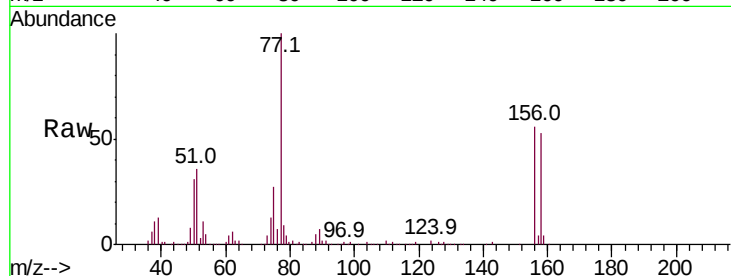
77 211.9 106.5 319.4

158 95.4 48.0 144.2

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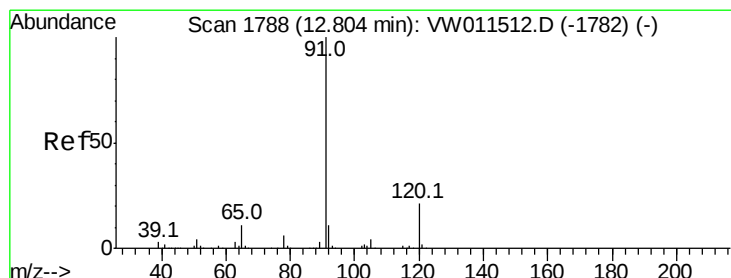
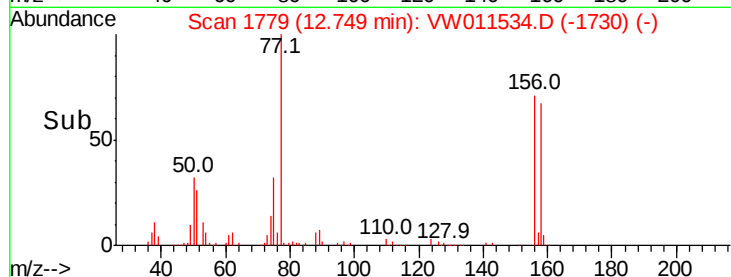
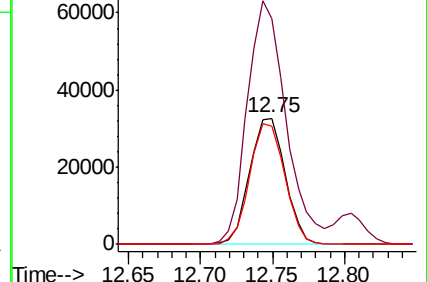
7/29/2019 9:19:33 AM



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: 19.912 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011534.D

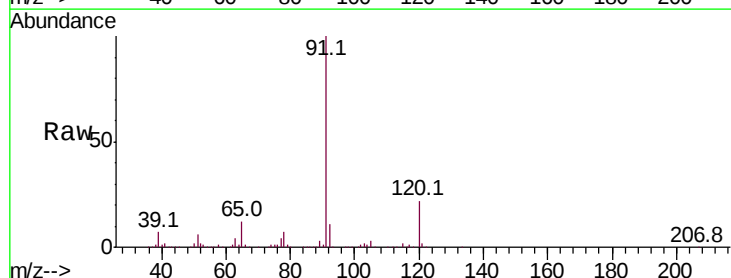
Acq: 27 Jul 2019 00:00

Tgt Ion: 91 Resp: 293101

Ion Ratio Lower Upper

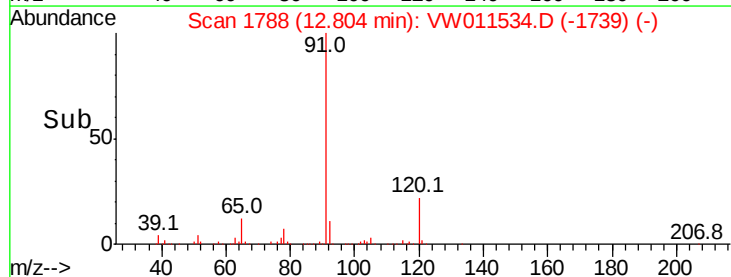
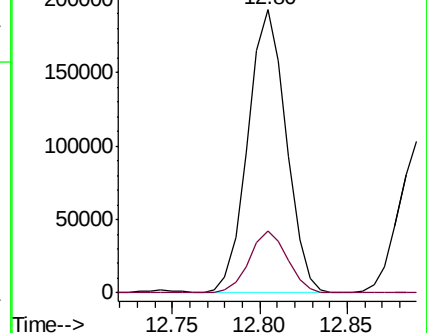
91 100

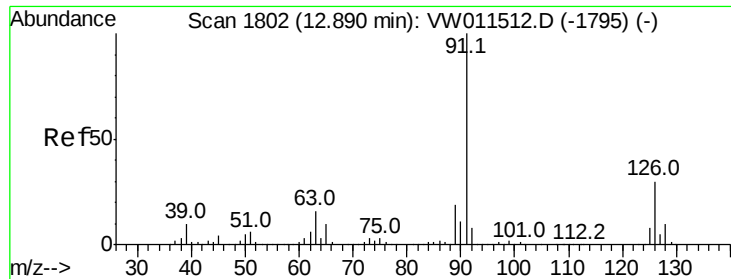
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





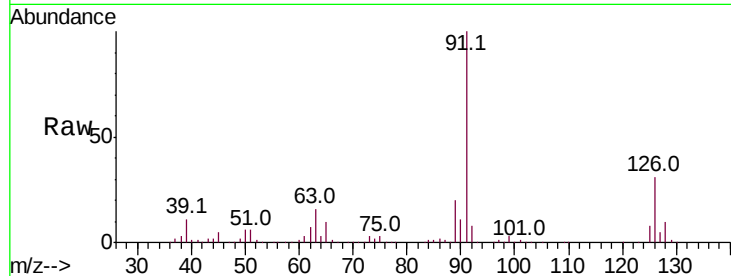
#79
2-Chlorotoluene
Concen: 20.078 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

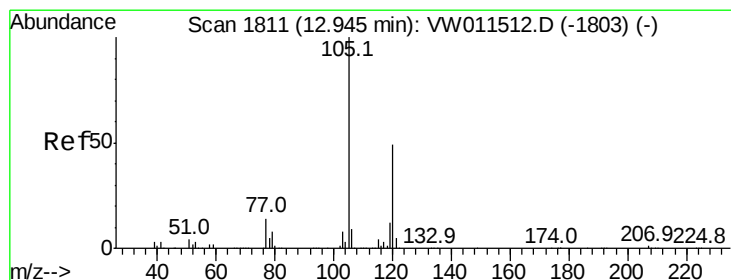
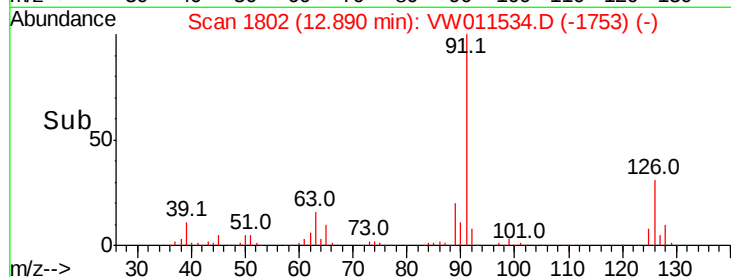
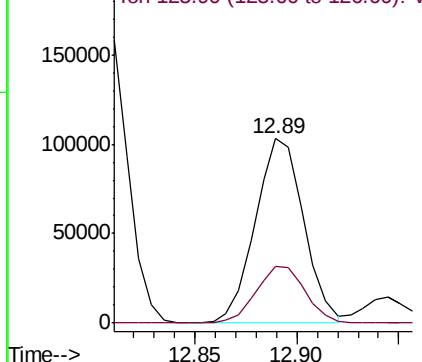
Tot Ion: 91 Resp: 170259
Ion Ratio Lower Upper
91 100
126 31.6 15.7 47.1

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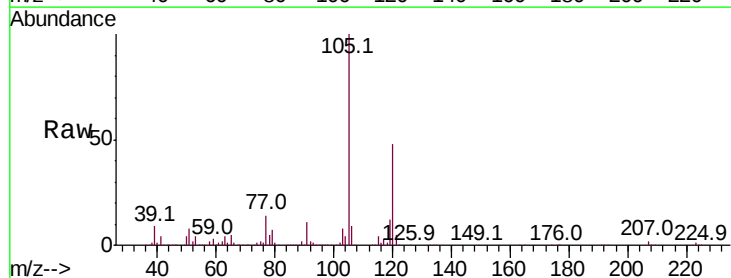


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

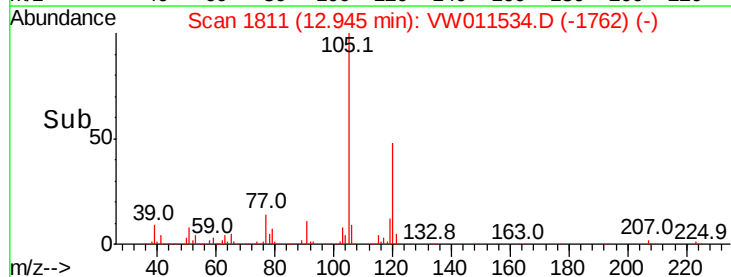
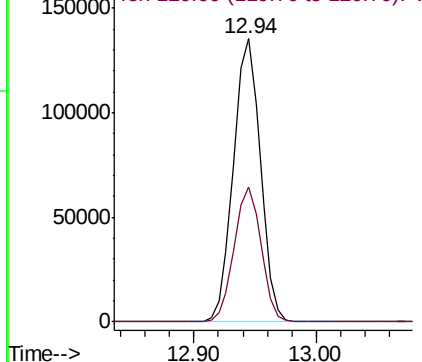


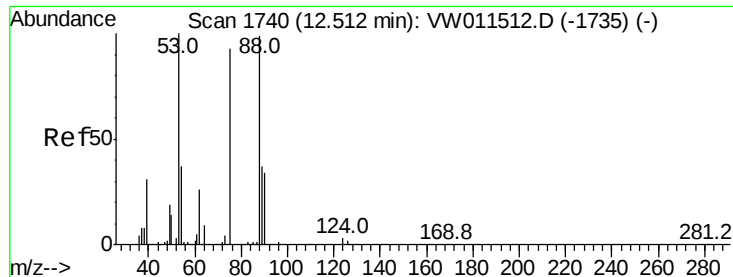
#80
1,3,5-Trimethylbenzene
Concen: 20.370 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion:105 Resp: 206524
Ion Ratio Lower Upper
105 100
120 47.8 24.1 72.3



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: 18.292 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Instrument :

MSVOA_W

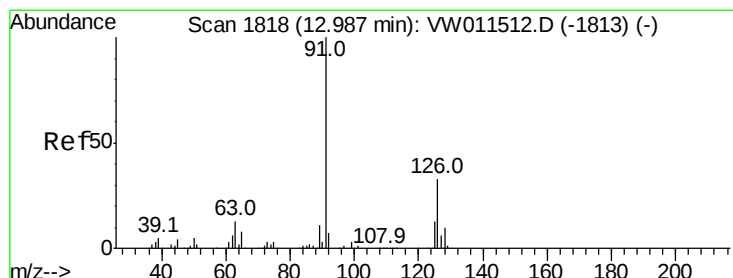
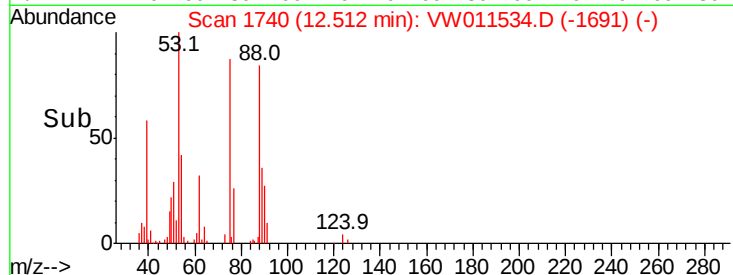
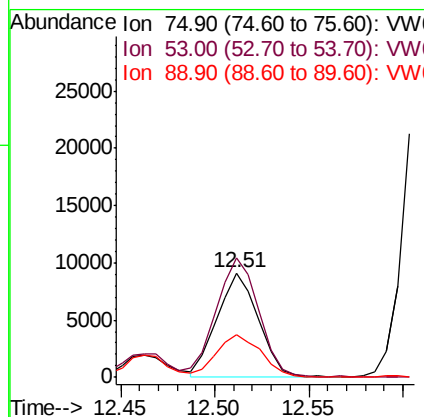
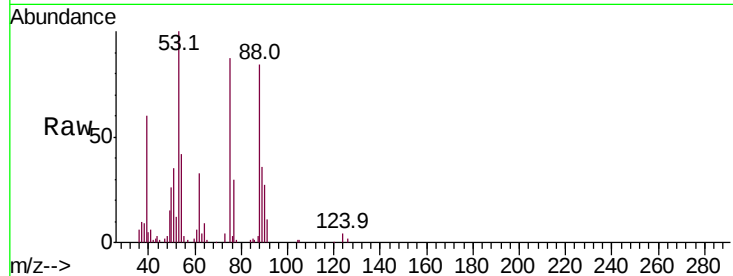
ClientSampleId :

VW0727SBS02

Tot Ion:	75	Resp:	13616
Ion	Ratio	Lower	Upper
75	100		
53	119.0	88.0	132.0
89	44.7	35.3	52.9

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#82

4-Chlorotoluene

Concen: 20.346 ug/l

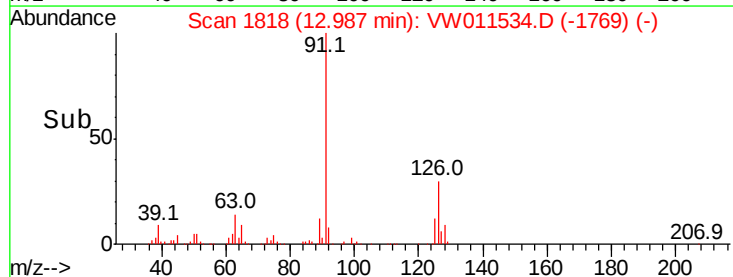
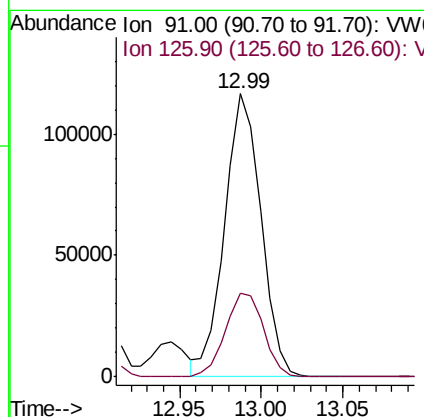
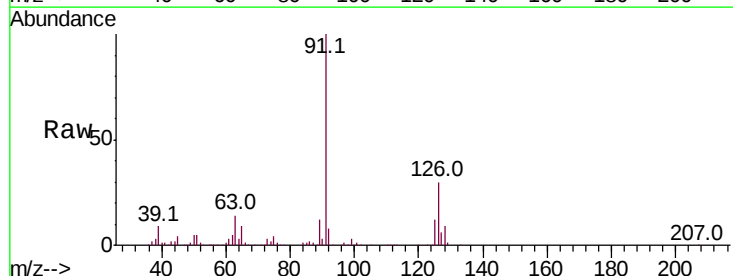
RT: 12.99 min Scan# 1818

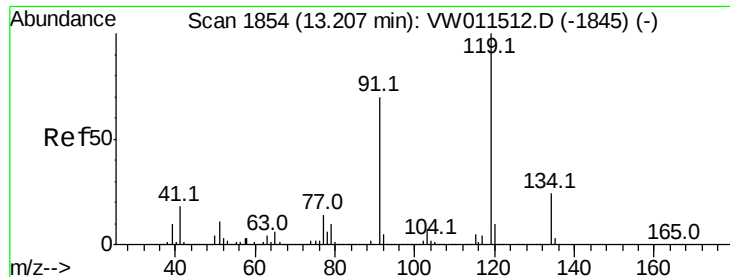
Delta R.T. -0.00 min

Lab File: VW011534.D

Acq: 27 Jul 2019 00:00

Tgt Ion:	91	Resp:	181025
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





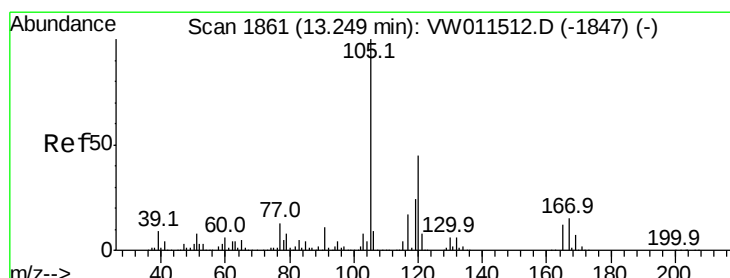
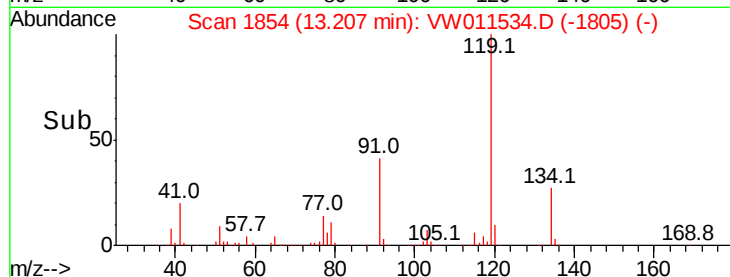
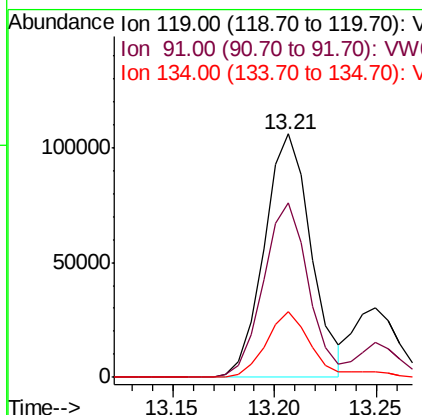
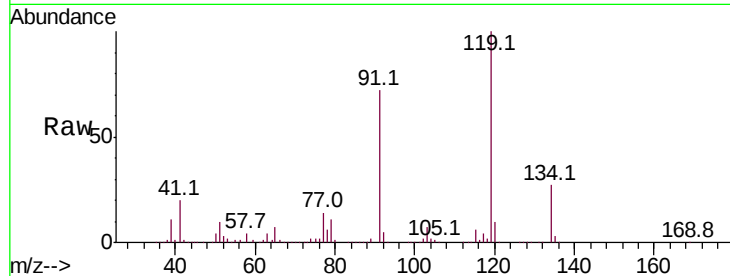
#83
tert-Butylbenzene
Concen: 19.967 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.5	103.6
134	27.2	12.4	37.4

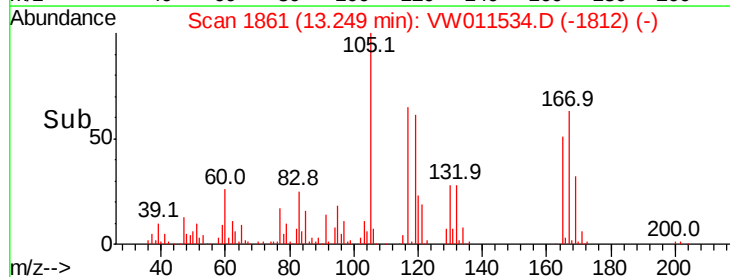
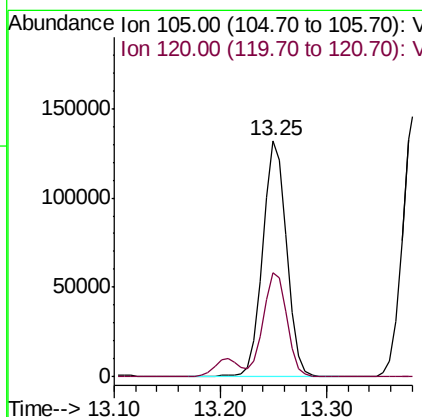
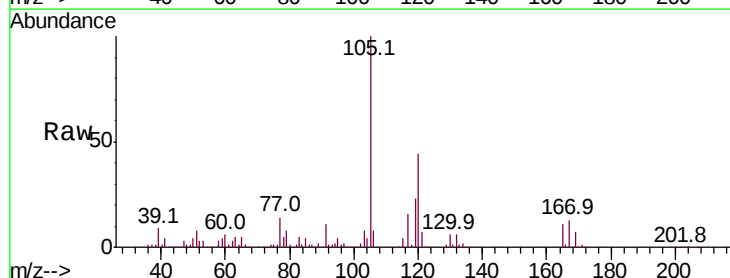
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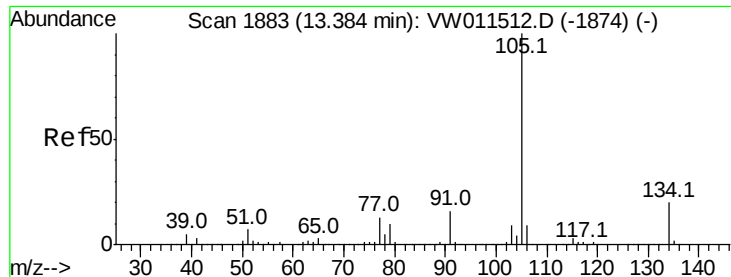
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#84
1,2,4-Trimethylbenzene
Concen: 20.346 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5





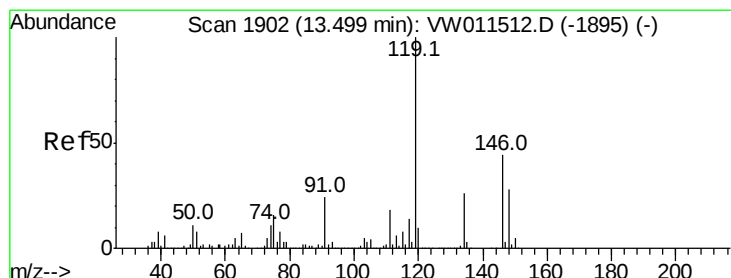
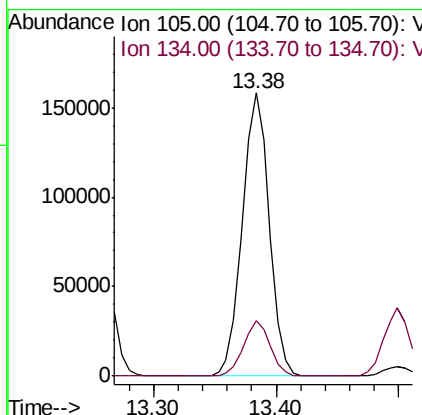
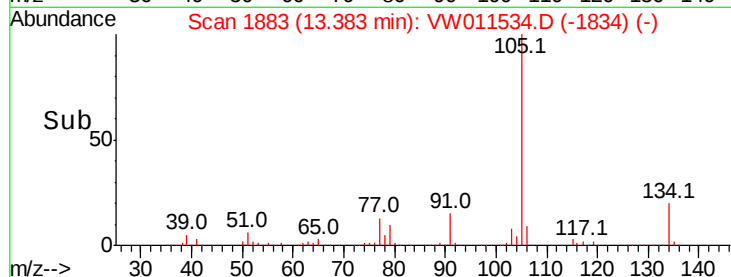
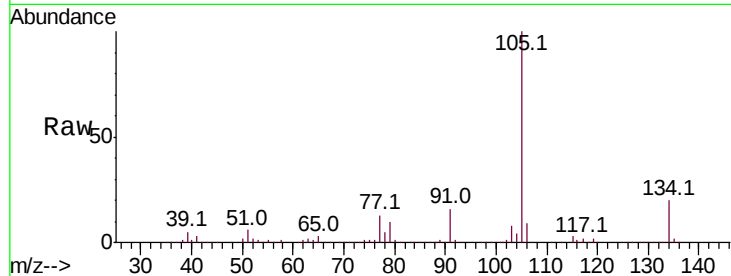
#85
 sec-Butylbenzene
 Concen: 19.936 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0727SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

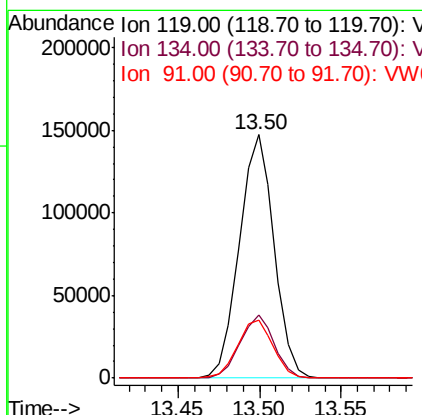
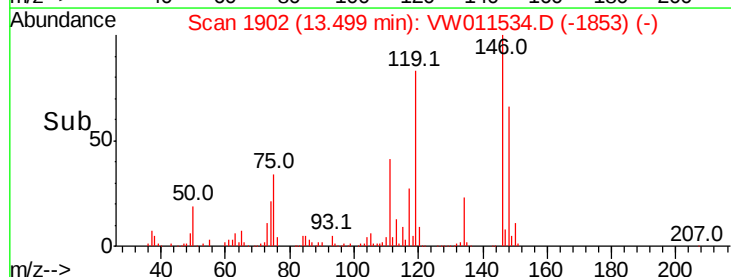
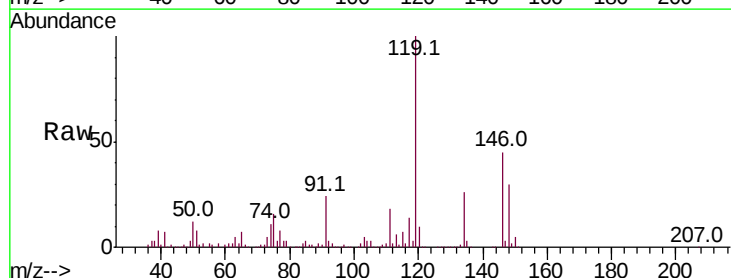
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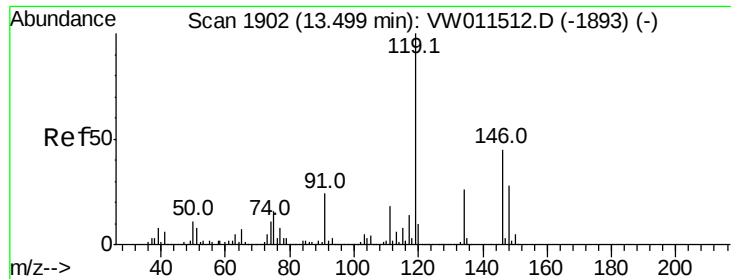
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#86
 p-Isopropyltoluene
 Concen: 19.818 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	24.4	12.1	36.3





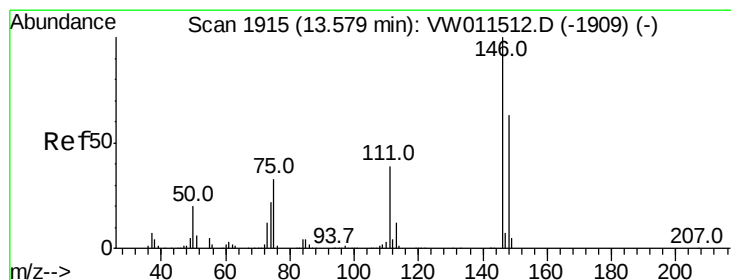
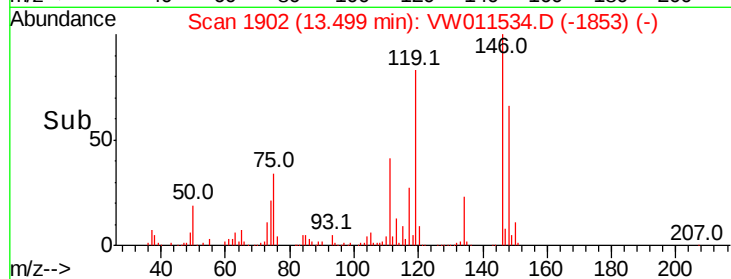
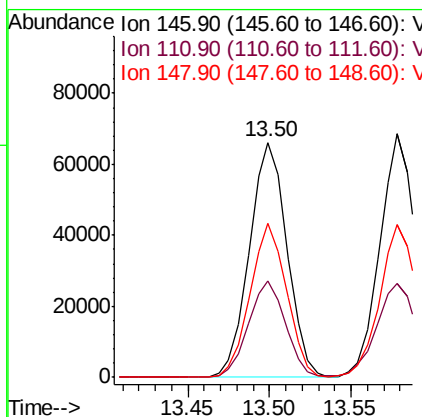
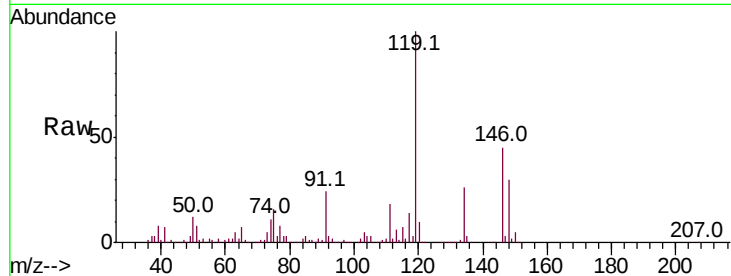
#87
 1,3-Dichlorobenzene
 Concen: 20.257 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106185		
111	40.5	20.5	61.6	
148	63.9	31.8	95.3	

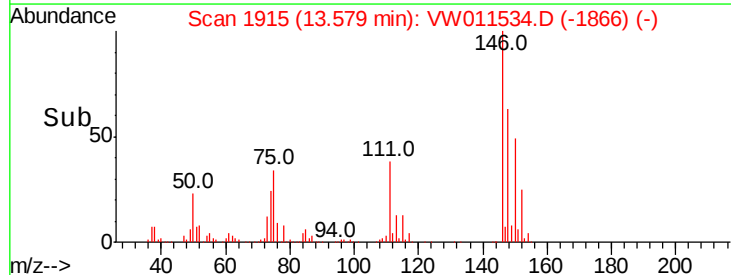
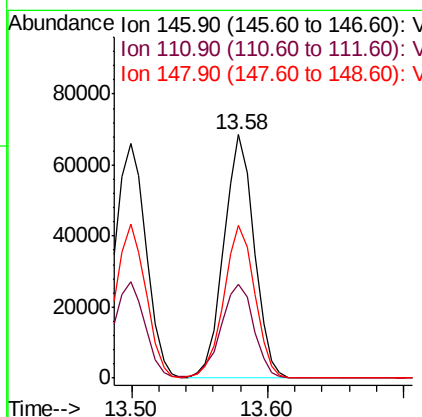
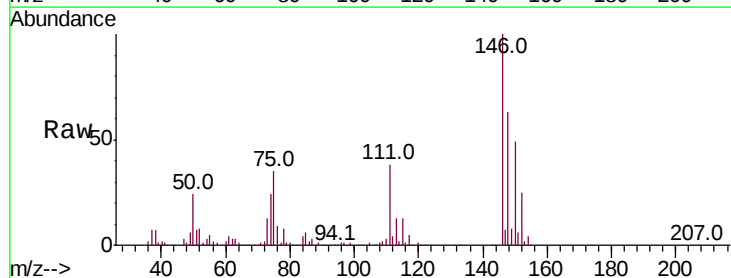
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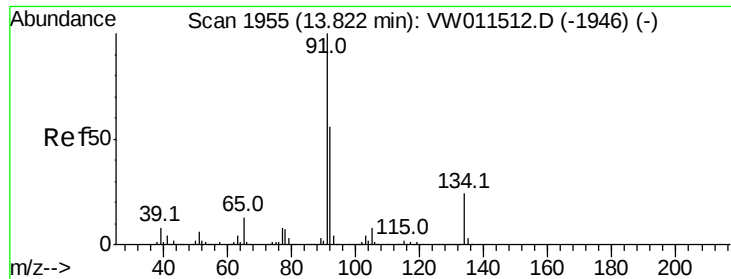
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#88
 1,4-Dichlorobenzene
 Concen: 20.355 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106140		
111	41.9	20.1	60.2	
148	64.3	31.9	95.9	





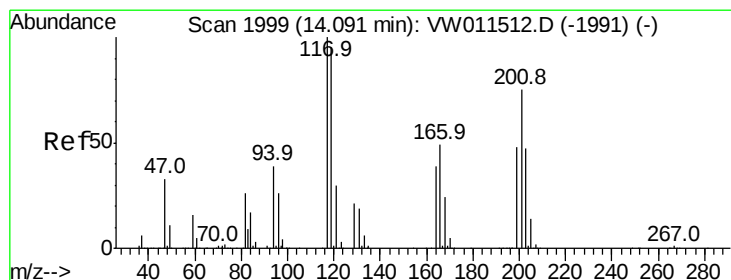
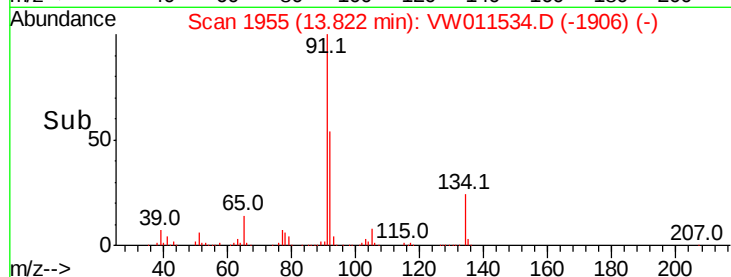
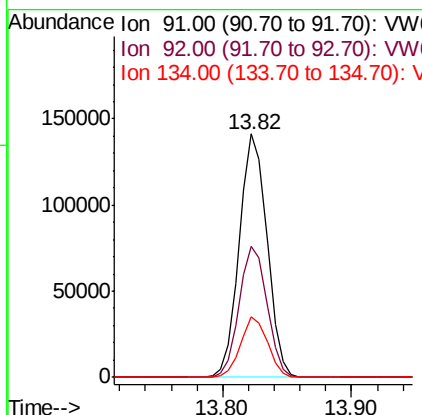
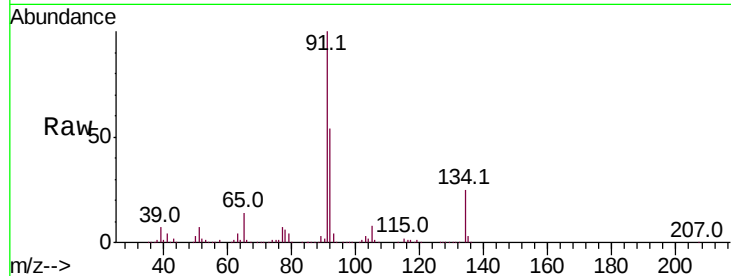
#89
n-Butylbenzene
Concen: 19.206 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	210381		
92	54.3		27.5	82.4
134	24.4		12.2	36.6

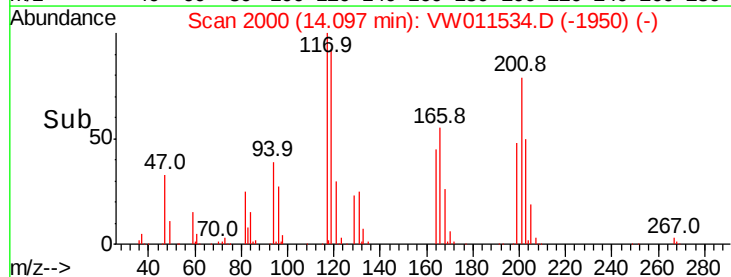
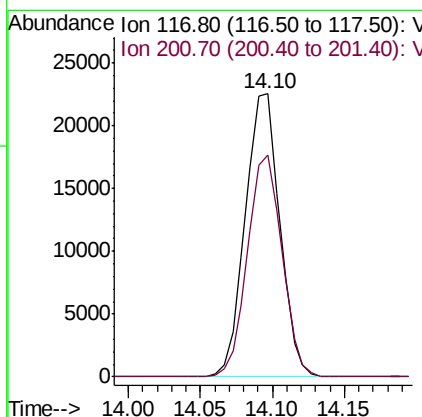
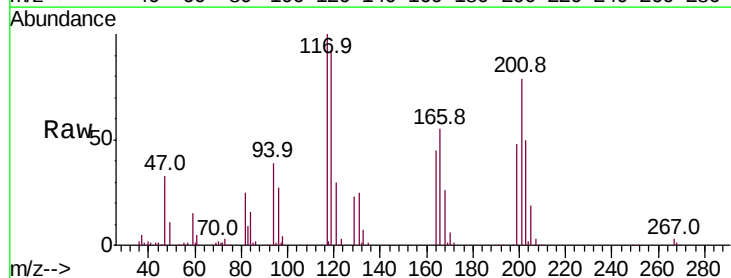
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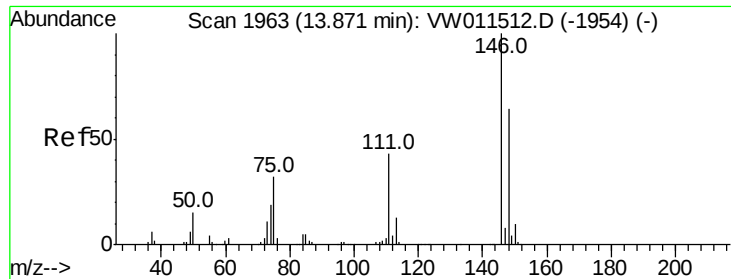
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#90
Hexachloroethane
Concen: 19.304 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37467		
201	78.2		39.4	118.2





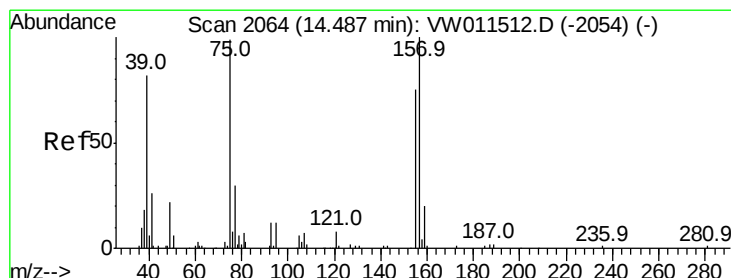
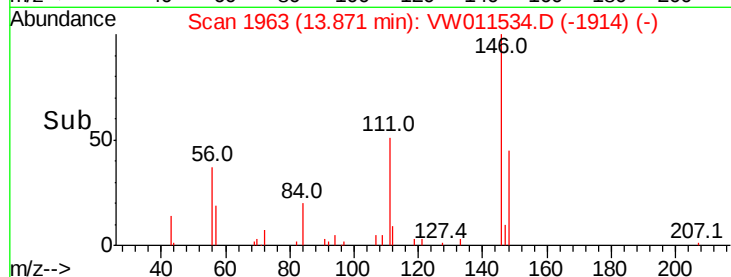
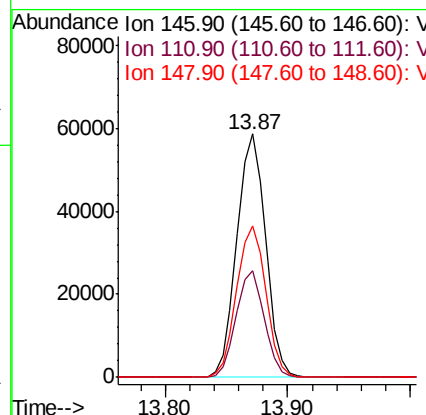
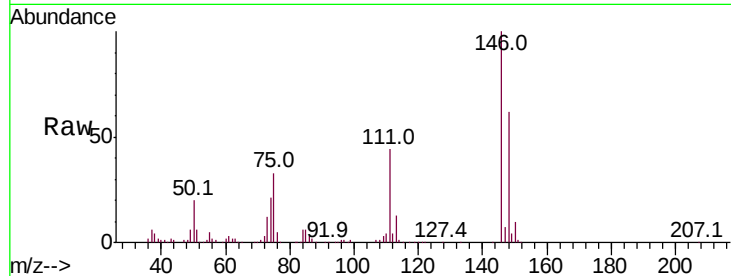
#91
 1,2-Dichlorobenzene
 Concen: 20.574 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0727SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	63.3	32.0	96.2

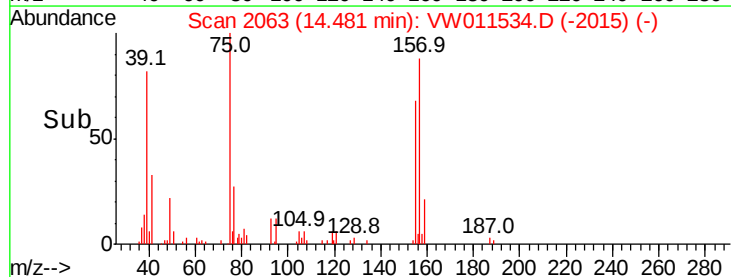
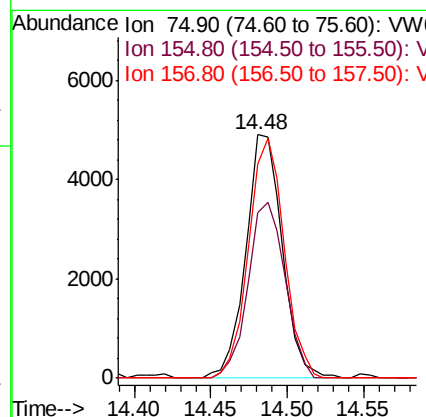
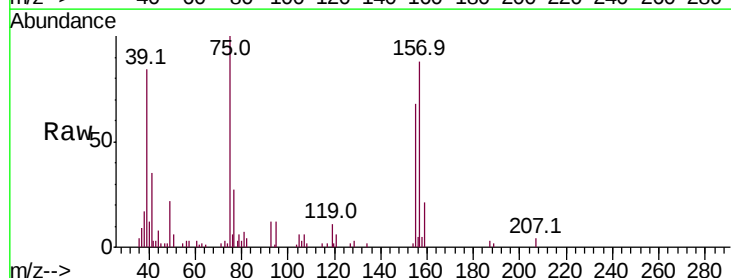
Manual Integrations
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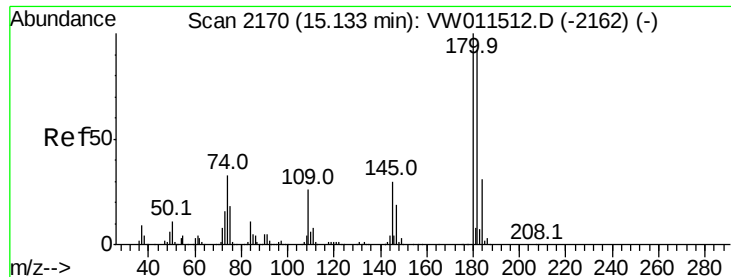
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.902 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011534.D
 Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	38.2	114.6
157	96.5	48.9	146.7





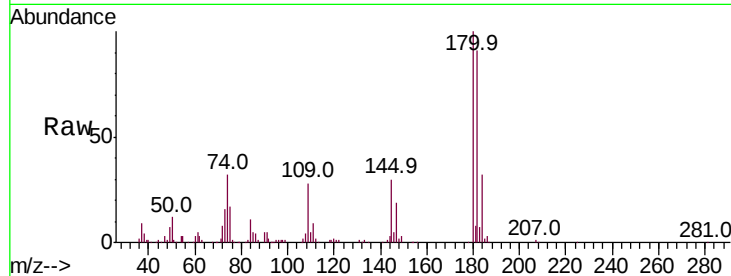
#93
1,2,4-Trichlorobenzene
Concen: 19.256 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62919		
182	94.7	47.4	142.2	
145	30.2	15.4	46.1	

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:19:33 AM

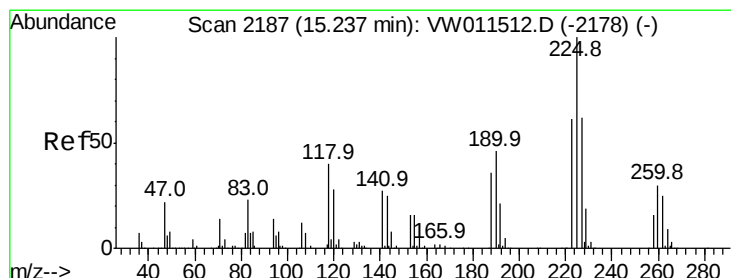
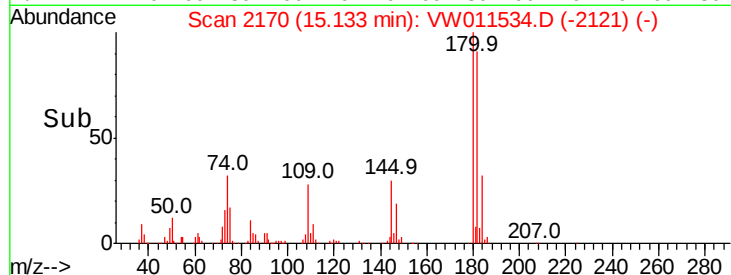
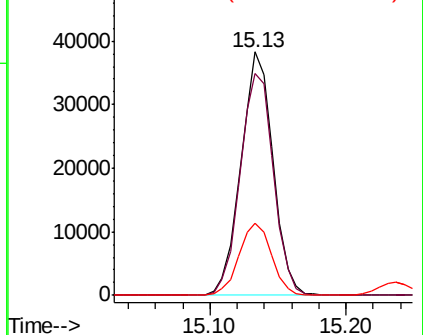


Abundance

Ion 179.80 (179.50 to 180.50): V

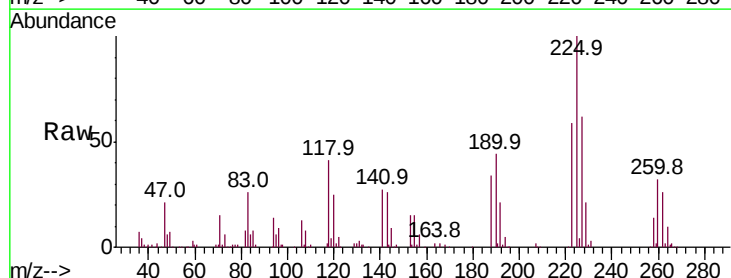
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 19.018 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38752		
223	62.4	30.8	92.3	
227	63.6	31.6	94.7	

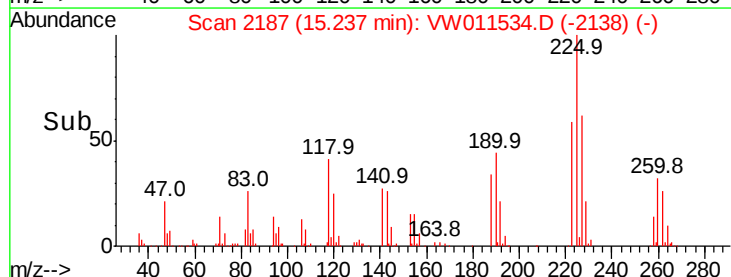
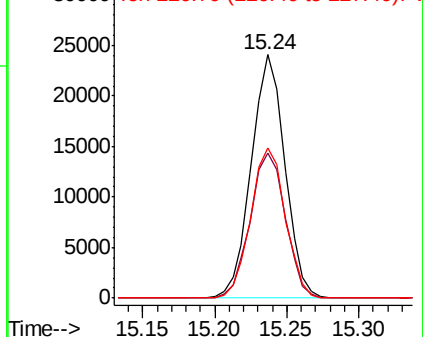


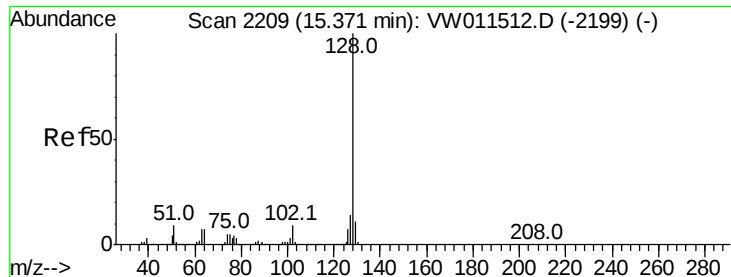
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





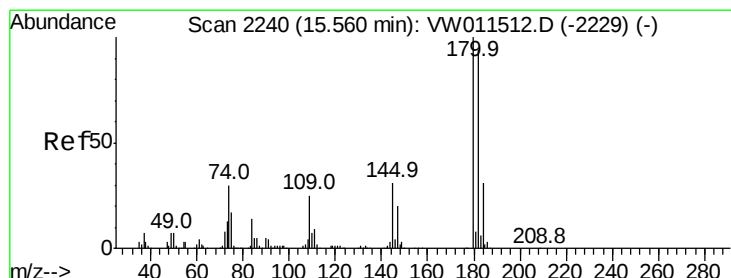
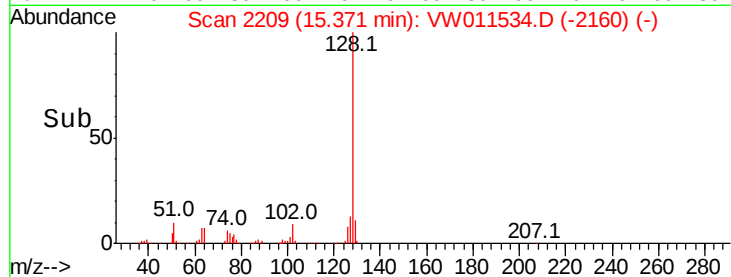
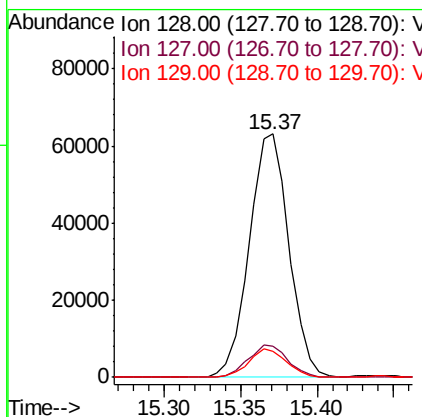
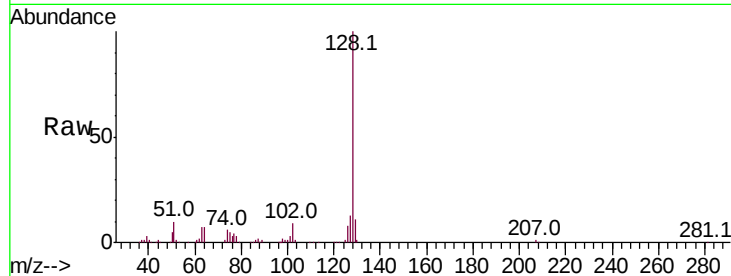
#95
Naphthalene
Concen: 19.109 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Instrument :
MSVOA_W
ClientSampleId :
VW0727SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:19:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.344 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011534.D
Acq: 27 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.2
145	32.5	15.9	47.7

