

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012491.D
 Acq On : 02 Sep 2019 11:50
 Operator : SY/VA
 Sample : VW0902SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:56:18 AM

Quant Time: Sep 03 07:56:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	298431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123982	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117465	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.88	113	94438	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.32	98	377756	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.62	95	132523	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10003	8.537	ug/l	93
3) Chloromethane	2.21	50	17624	9.709	ug/l	97
4) Vinyl Chloride	2.36	62	18778	8.452	ug/l	95
5) Bromomethane	2.77	94	10468	9.303	ug/l	97
6) Chloroethane	2.92	64	11069	8.832	ug/l	99
7) Trichlorofluoromethane	3.26	101	11677	10.467	ug/l	99
8) Diethyl Ether	3.68	74	9662	9.124	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18860	9.946	ug/l	98
10) Methyl Iodide	4.27	142	23928	9.326	ug/l	97
11) Tert butyl alcohol	5.16	59	7135	52.414	ug/l	94
12) 1,1-Dichloroethene	4.04	96	17695	9.271	ug/l	97
13) Acrolein	3.90	56	9568	74.668	ug/l	97
14) Allyl chloride	4.67	41	38216	9.366	ug/l	98
15) Acrylonitrile	5.37	53	24495	46.668	ug/l	98
16) Acetone	4.12	43	26590	45.986	ug/l	96
17) Carbon Disulfide	4.38	76	43777	7.589	ug/l	96
18) Methyl Acetate	4.67	43	13432	9.379	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	31399	10.173	ug/l	99
20) Methylene Chloride	4.92	84	22294	10.199	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	18879	9.224	ug/l	98
22) Diisopropyl ether	6.31	45	74037	9.789	ug/l	99
23) Vinyl Acetate	6.25	43	204645	43.966	ug/l	100
24) 1,1-Dichloroethane	6.21	63	40165	9.753	ug/l	100
25) 2-Butanone	7.17	43	34415	43.800	ug/l	99
26) 2,2-Dichloropropane	7.17	77	25009	10.729	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	21179	9.685	ug/l	99
28) Bromochloromethane	7.51	49	36513	20.343	ug/l #	95
29) Tetrahydrofuran	7.52	42	20335	43.137	ug/l	98
30) Chloroform	7.68	83	38919	10.330	ug/l	96
31) Cyclohexane	7.95	56	38333	9.408	ug/l #	88
32) 1,1,1-Trichloroethane	7.88	97	30872	10.358	ug/l	98
36) 1,1-Dichloropropene	8.09	75	30098	9.760	ug/l	100
37) Ethyl Acetate	7.25	43	15393	9.109	ug/l	96
38) Carbon Tetrachloride	8.07	117	27708	10.381	ug/l	95

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MMDadoda
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Quant Time: Sep 03 07:56:29 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31516	9.097	ug/l	98
40) Benzene	8.32	78	82873	9.841	ug/l	96
41) Methacrylonitrile	7.48	41	10089	10.158	ug/l	96
42) 1,2-Dichloroethane	8.40	62	27101	10.269	ug/l	99
43) Isopropyl Acetate	8.43	43	28026	8.953	ug/l	97
44) Trichloroethene	9.09	130	20660	10.092	ug/l	92
45) 1,2-Dichloropropane	9.37	63	22180	9.787	ug/l	99
46) Dibromomethane	9.46	93	9971	9.888	ug/l	99
47) Bromodichloromethane	9.64	83	26768	9.974	ug/l	93
48) Methyl methacrylate	9.43	41	13400	8.994	ug/l	94
49) 1,4-Dioxane	9.45	88	3274	212.091	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	72581	45.586	ug/l	99
52) Toluene	10.38	92	50780	10.038	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	25802	9.439	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	31521	9.550	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13815	9.683	ug/l	97
56) Ethyl methacrylate	10.65	69	18885	9.095	ug/l	99
57) 1,3-Dichloropropane	10.93	76	26456	9.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	105416	98.920	ug/l	99
59) 2-Hexanone	10.97	43	49758	44.168	ug/l	99
60) Dibromochloromethane	11.13	129	15598	9.816	ug/l	97
61) 1,2-Dibromoethane	11.23	107	12764	9.603	ug/l	96
64) Tetrachloroethene	10.86	164	16533	10.033	ug/l	96
65) Chlorobenzene	11.66	112	51656	10.322	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	17980	10.298	ug/l	98
67) Ethyl Benzene	11.73	91	97481	10.111	ug/l	99
68) m/p-Xylenes	11.83	106	70427	20.280	ug/l	99
69) o-Xylene	12.16	106	32020	9.962	ug/l	97
70) Styrene	12.18	104	55543	9.984	ug/l	98
71) Bromoform	12.35	173	8814	10.133	ug/l #	99
73) Isopropylbenzene	12.46	105	92844	9.994	ug/l	99
74) N-amyl acetate	12.27	43	25656	9.141	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	16289	9.564	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	13329m	11.039	ug/l	
77) Bromobenzene	12.74	156	20207	10.054	ug/l	99
78) n-propylbenzene	12.80	91	113756	10.030	ug/l	100
79) 2-Chlorotoluene	12.89	91	65729	10.208	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	78020	10.050	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	4840	8.788	ug/l	93
82) 4-Chlorotoluene	12.99	91	69754	10.346	ug/l	99
83) tert-Butylbenzene	13.21	119	67198	10.219	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	79040	10.136	ug/l	99
85) sec-Butylbenzene	13.38	105	95296	10.115	ug/l	100
86) p-Isopropyltoluene	13.50	119	85515	10.164	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39855	10.138	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39485	10.116	ug/l	96
89) n-Butylbenzene	13.82	91	82121	9.815	ug/l	100
90) Hexachloroethane	14.09	117	14532	9.845	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	37113	10.762	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2599	9.052	ug/l	98

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	23339	9.793	ug/l	99
94) Hexachlorobutadiene	15.23	225	16136	10.254	ug/l	95
95) Naphthalene	15.36	128	36205	11.394	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	20642	9.927	ug/l	96

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

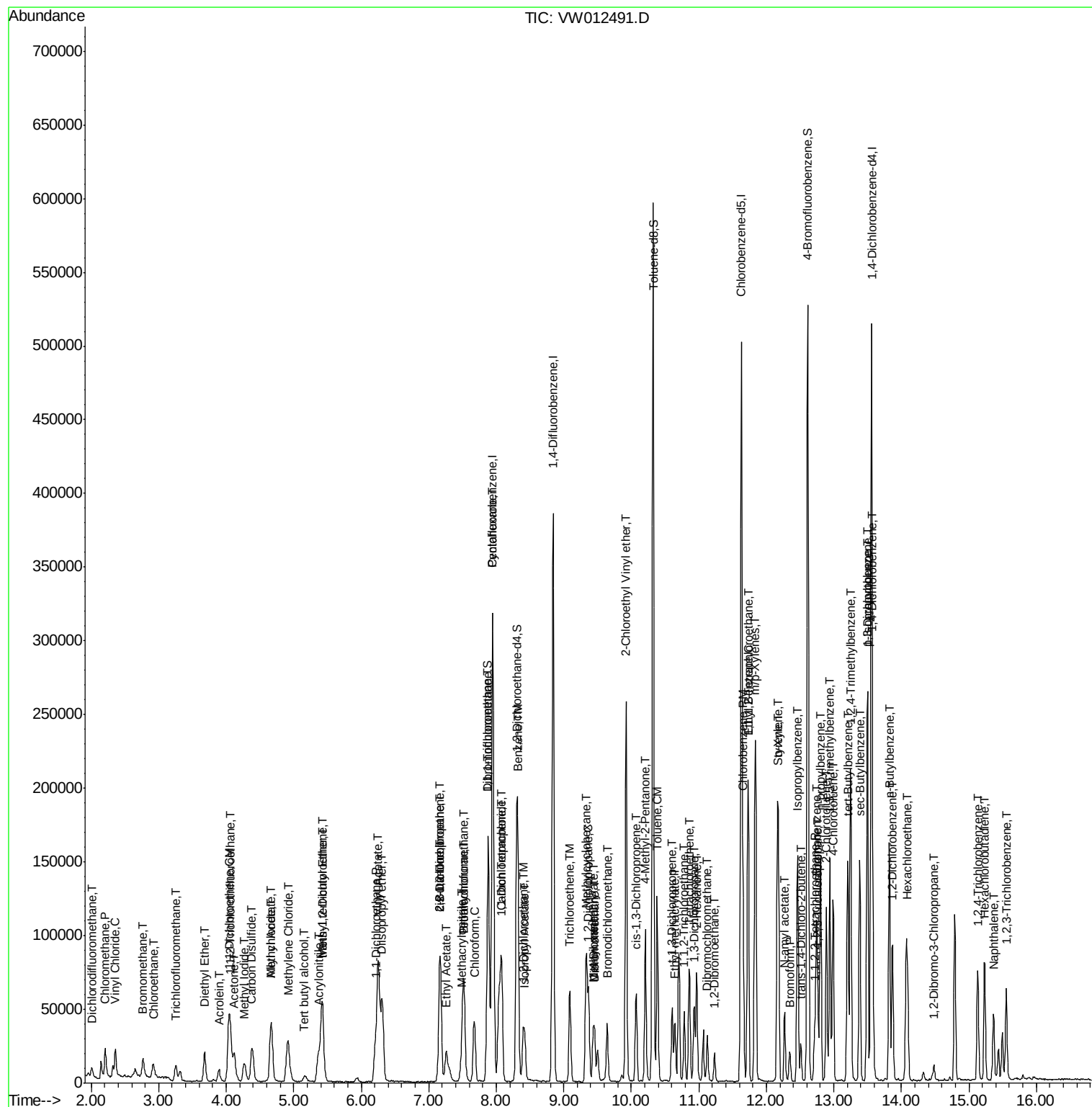
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090219\
Data File : VW012491.D
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Operator : SY/VA
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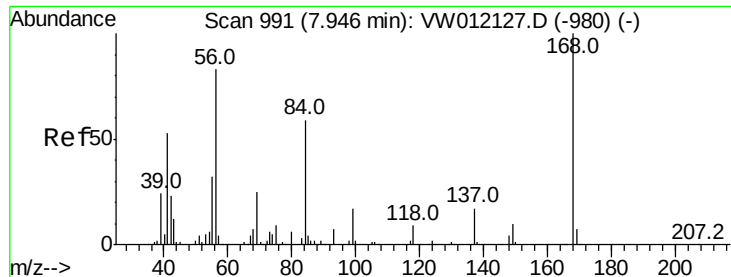
Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion:168 Resp: 190286

Ion Ratio Lower Upper

168 100

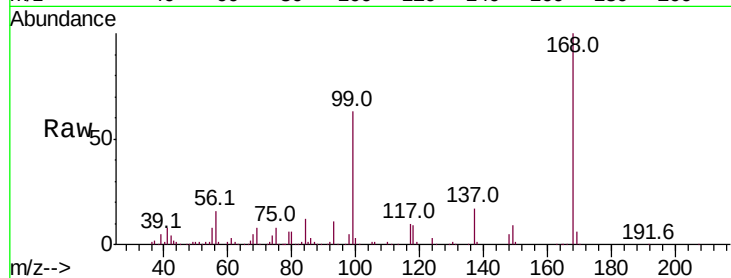
99 63.3 49.2 73.8

Manual Integrations

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9/3/2019 10:56:18 AM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

100000

80000

60000

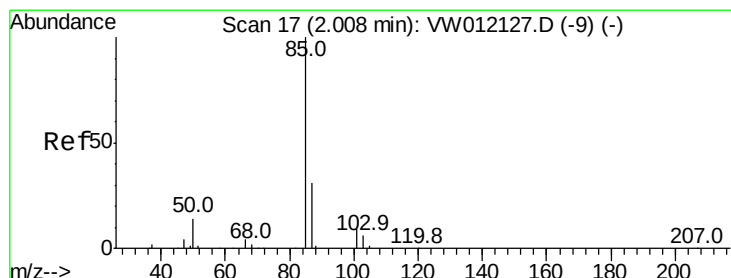
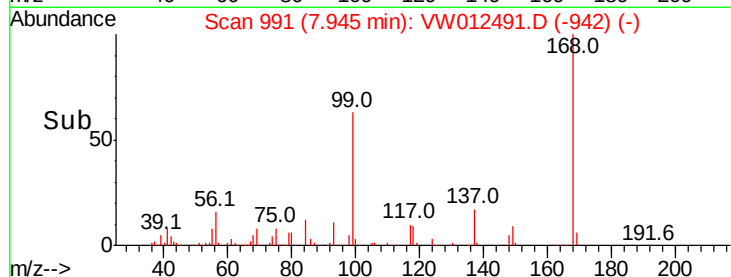
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 8.537 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012491.D

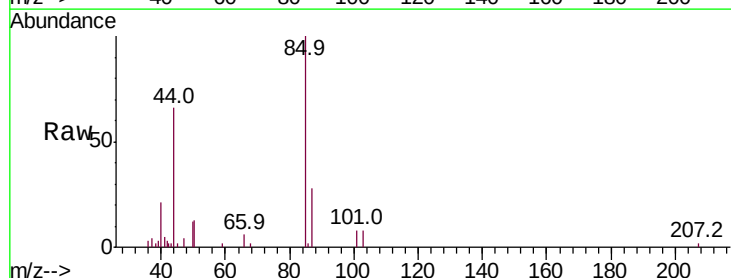
Acq: 02 Sep 2019 11:50

Tgt Ion: 85 Resp: 10003

Ion Ratio Lower Upper

85 100

87 27.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

4000

3000

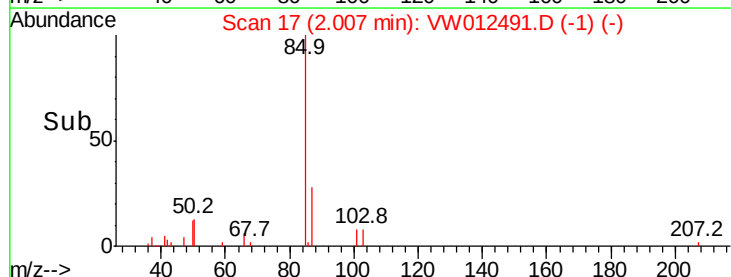
2000

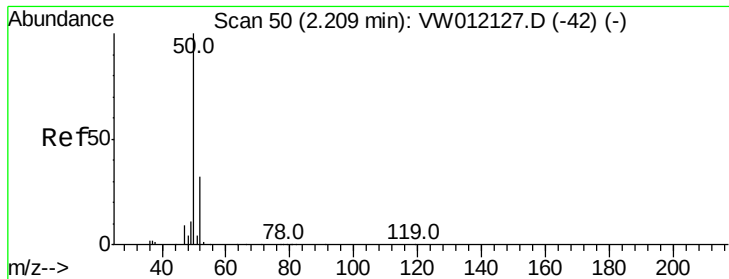
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 9.709 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 50 Resp: 17624

Ion Ratio Lower Upper

50 100

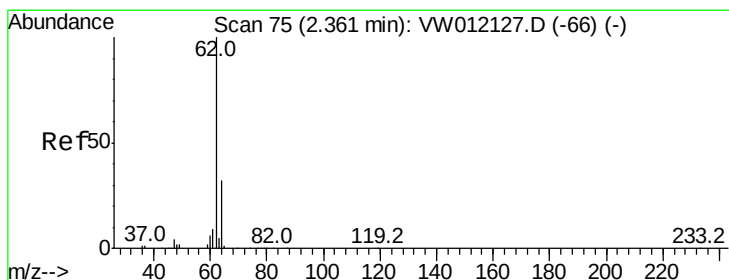
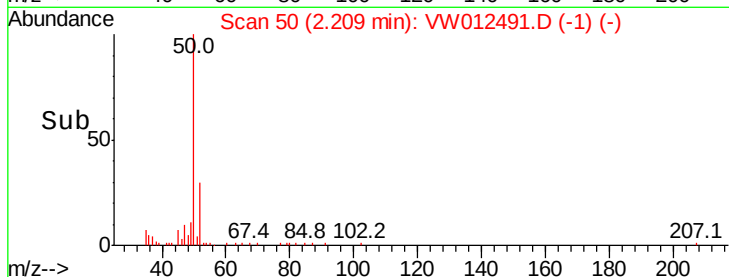
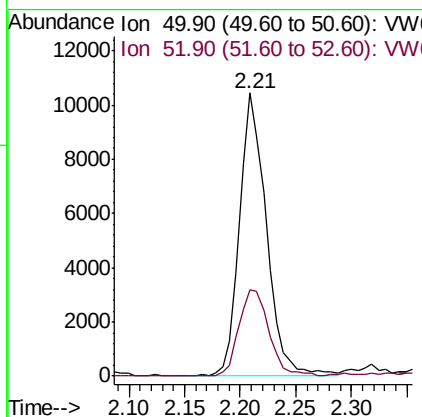
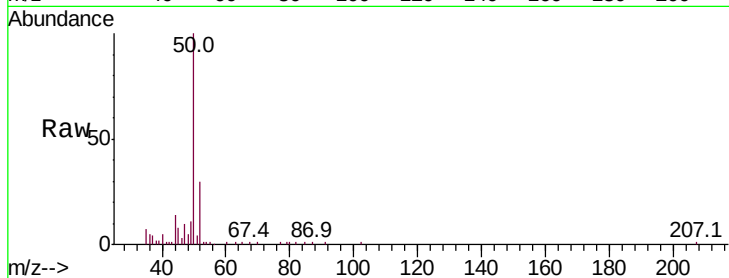
52 30.3 25.5 38.3

Manual Integrations

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9/3/2019 10:56:18 AM



#4

Vinyl Chloride

Concen: 8.452 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012491.D

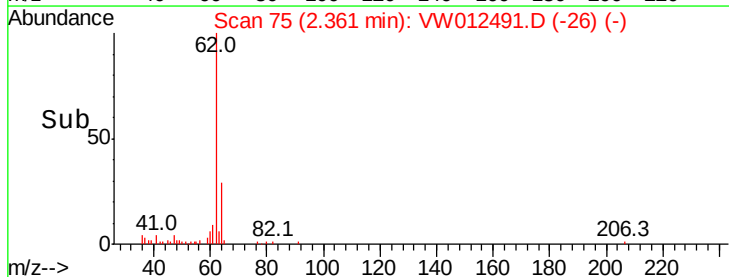
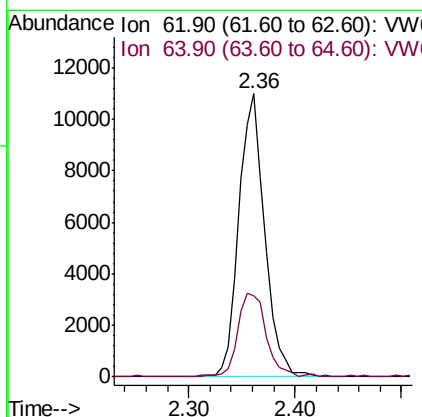
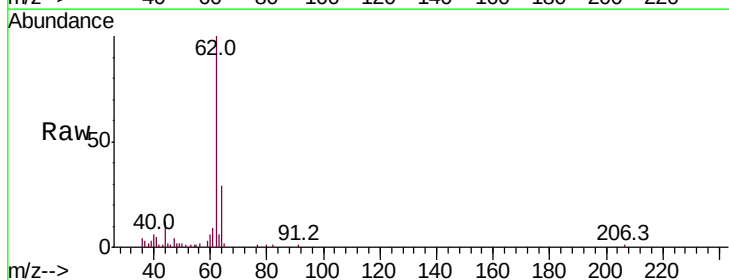
Acq: 02 Sep 2019 11:50

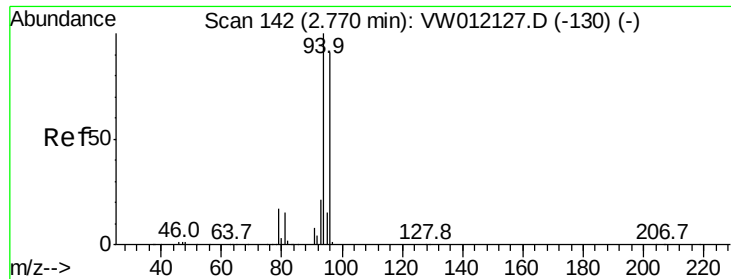
Tgt Ion: 62 Resp: 18778

Ion Ratio Lower Upper

62 100

64 28.6 25.3 37.9





#5

Bromomethane

Concen: 9.303 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 94 Resp: 10468

Ion Ratio Lower Upper

94 100

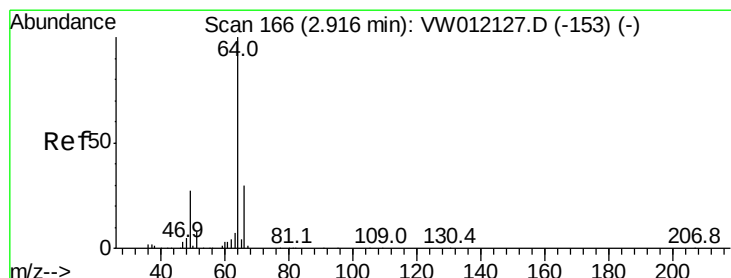
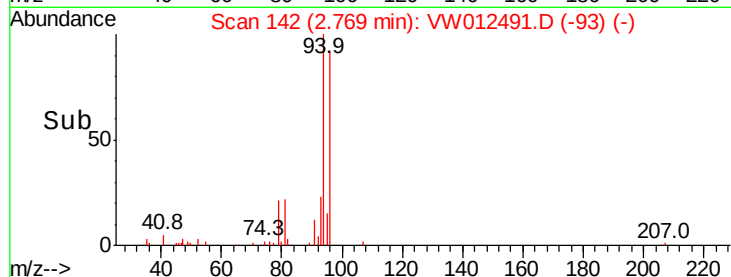
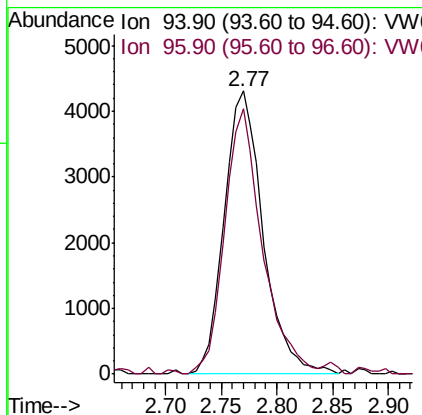
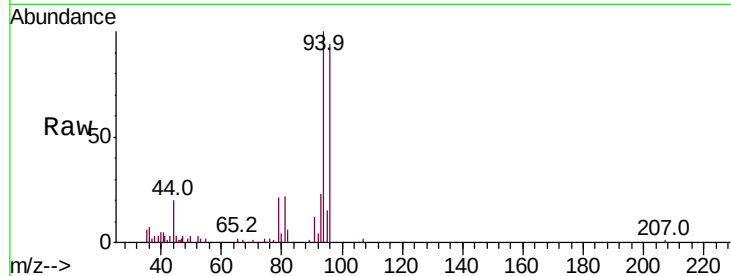
96 94.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 8.832 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012491.D

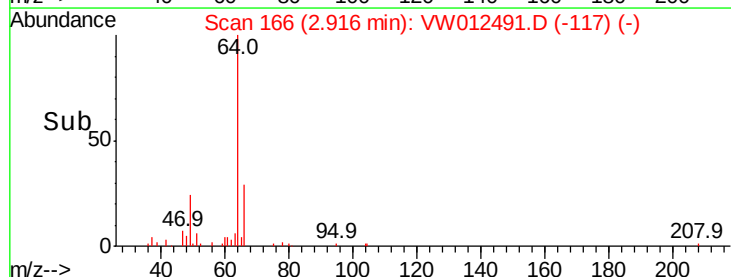
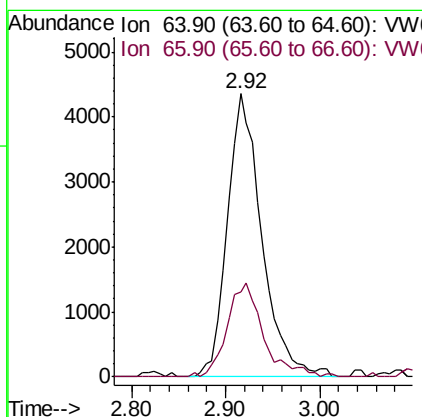
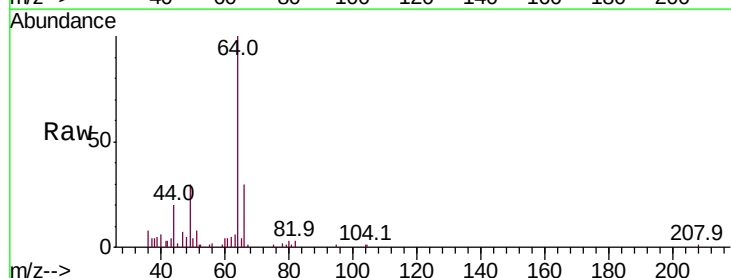
Acq: 02 Sep 2019 11:50

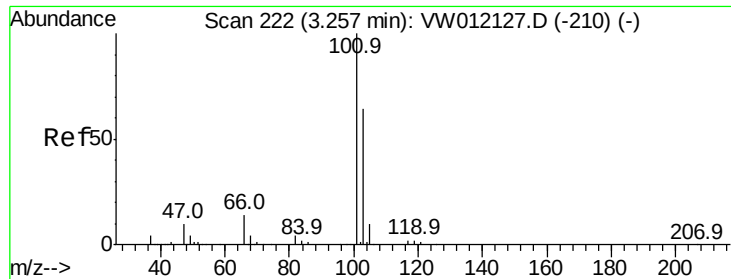
Tgt Ion: 64 Resp: 11069

Ion Ratio Lower Upper

64 100

66 30.2 23.8 35.8





#7

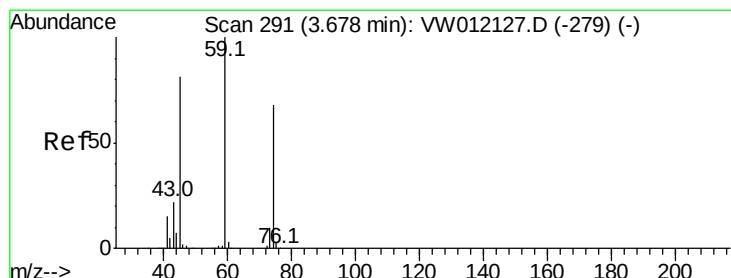
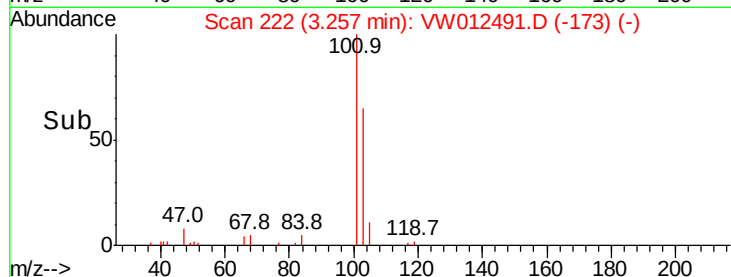
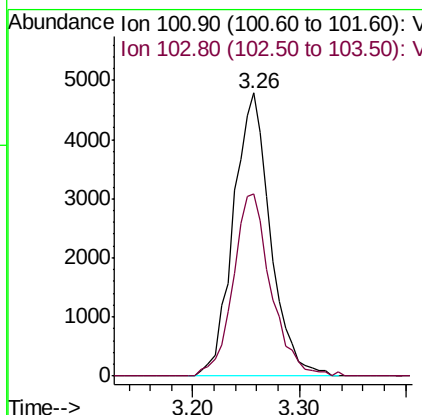
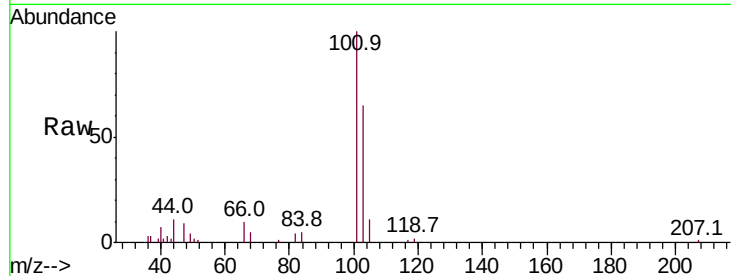
Trichlorofluoromethane
 Concen: 10.467 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.2	76.8

Manual Integrations
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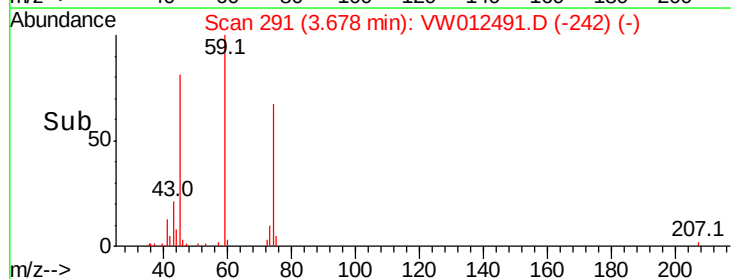
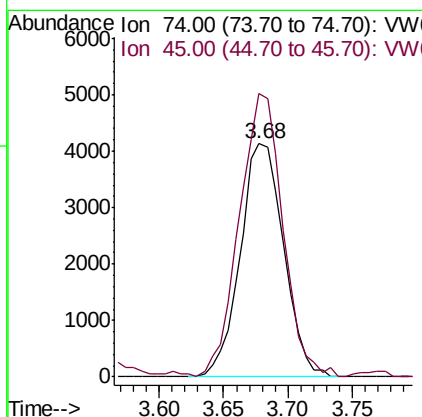
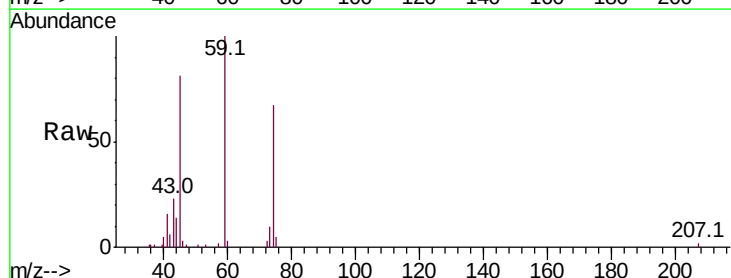
MMDadoda
 9/3/2019 10:56:18 AM

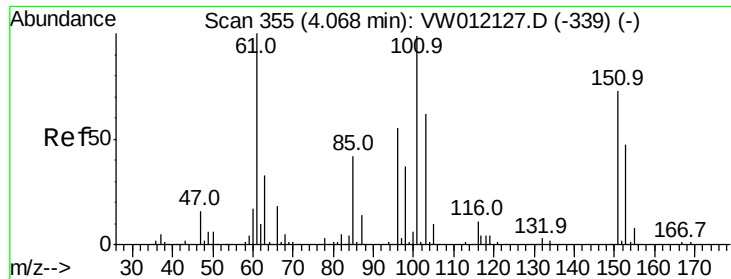


#8

Diethyl Ether
 Concen: 9.124 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.3	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.946 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

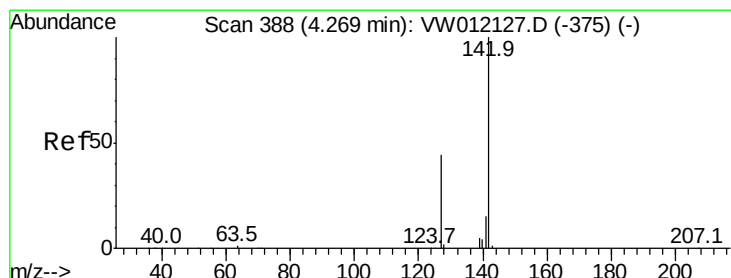
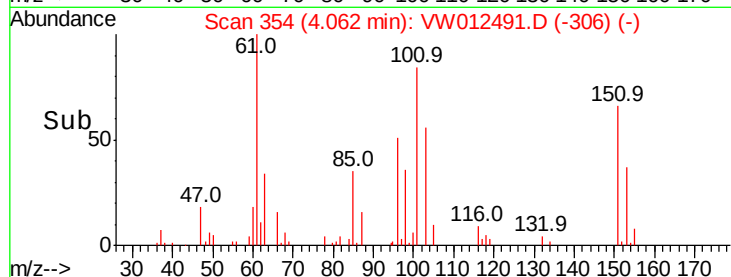
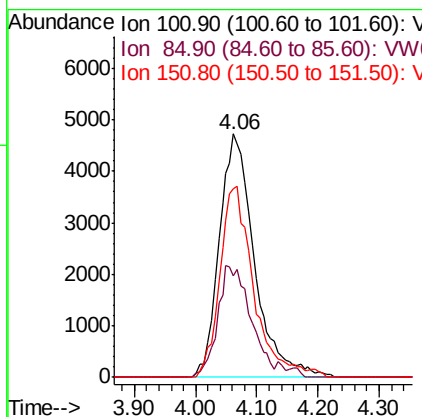
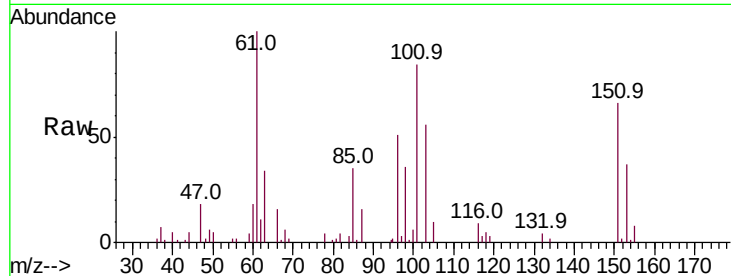
ClientSampleId :

VW0902SBSD01

Tot Ion:	101	Resp:	18860
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.8	53.6
151	74.7	58.6	87.8

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#10

Methyl Iodide

Concen: 9.326 ug/l

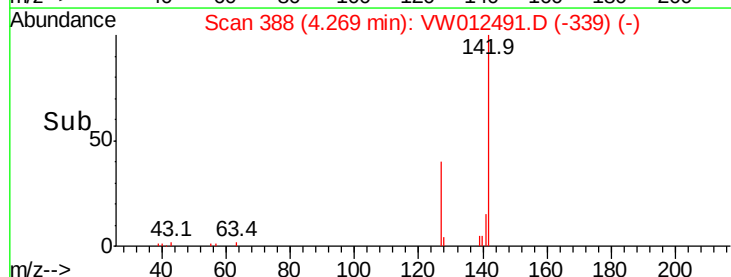
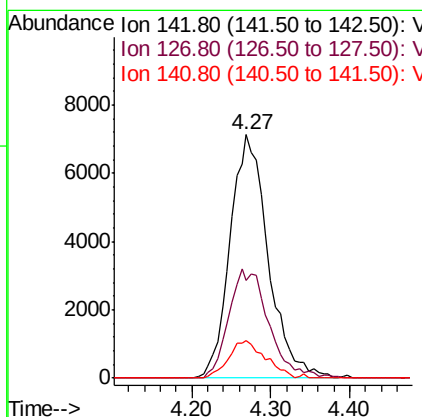
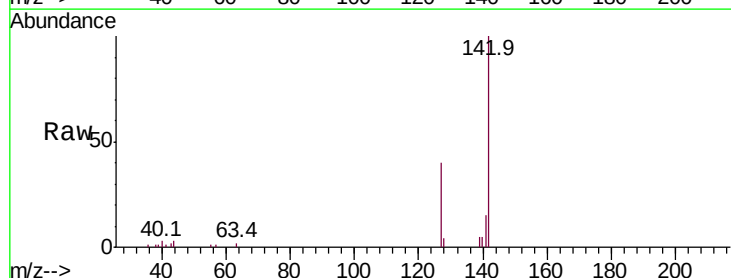
RT: 4.27 min Scan# 388

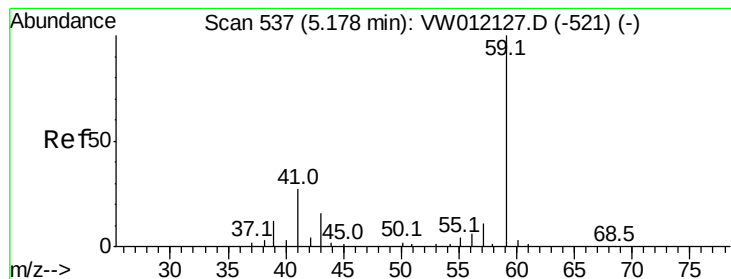
Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion:	142	Resp:	23928
Ion Ratio	Lower	Upper	
142	100		
127	46.7	35.5	53.3
141	14.6	11.8	17.8





#11

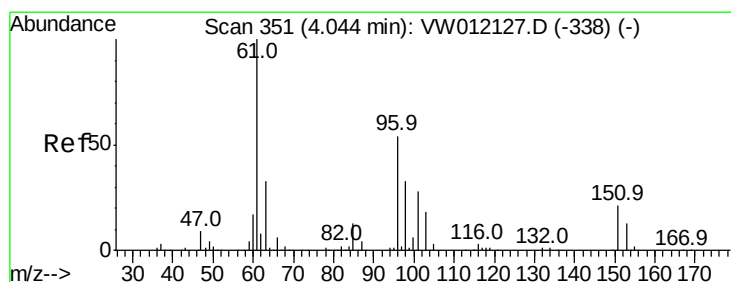
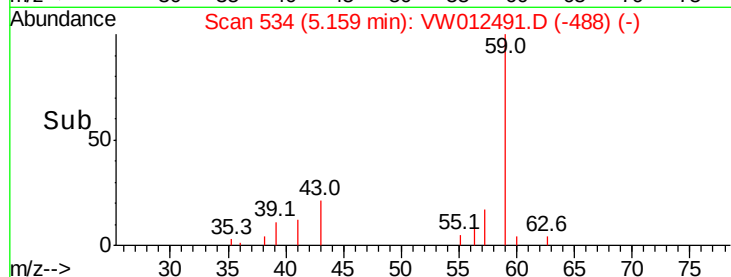
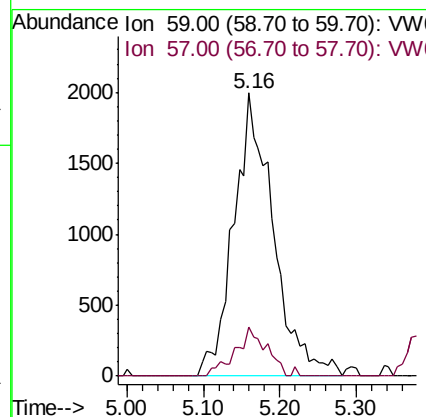
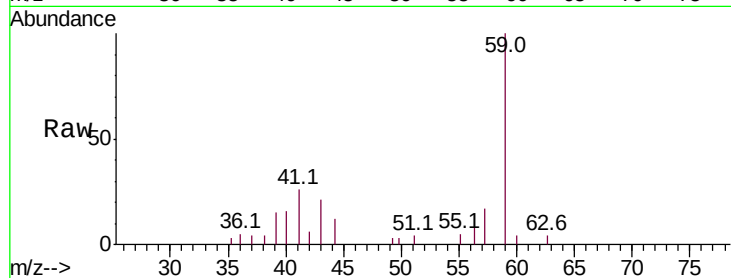
Tert butyl alcohol
 Concen: 52.414 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.4	9.0	13.4

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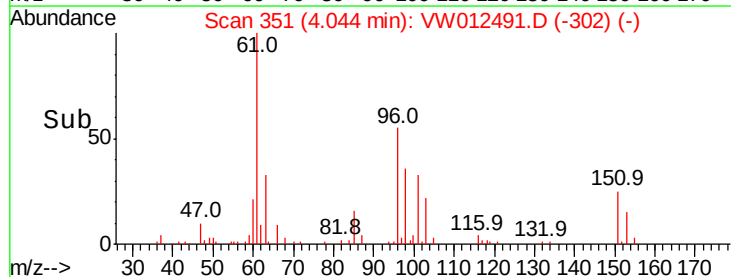
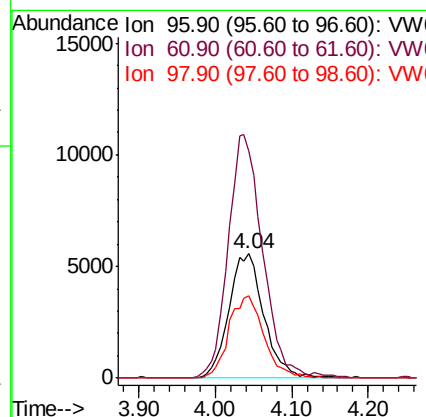
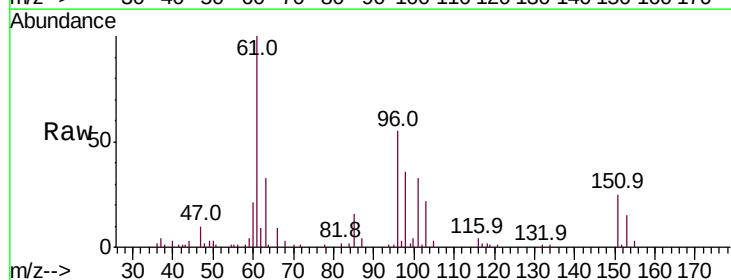
MMDadoda
 9/3/2019 10:56:18 AM

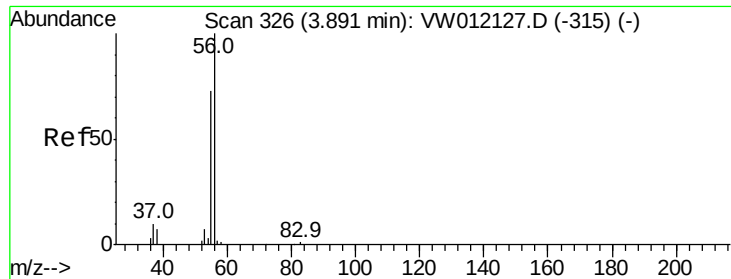


#12

1,1-Dichloroethene
 Concen: 9.271 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.3	149.1	223.7
98	66.3	49.4	74.2





#13

Acrolein

Concen: 74.668 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 56 Resp: 9568

Ion Ratio Lower Upper

56 100

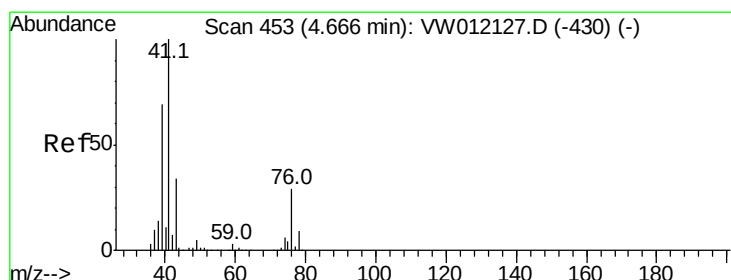
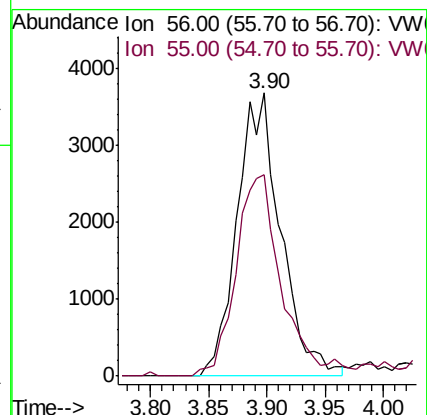
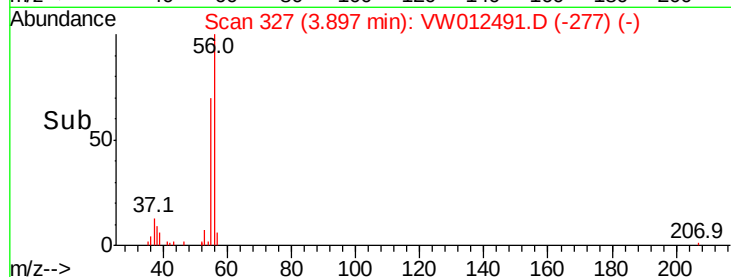
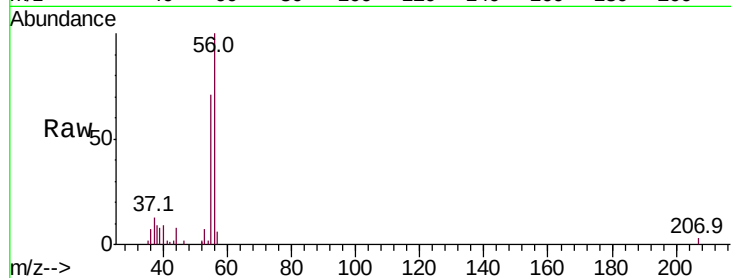
55 72.6 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 9.366 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

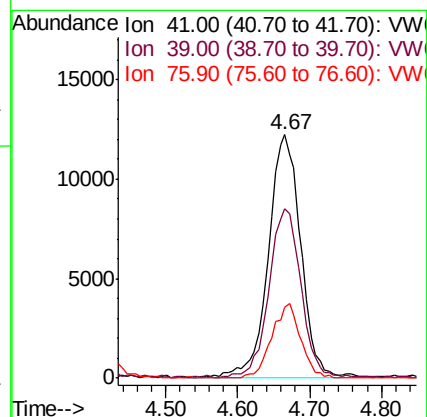
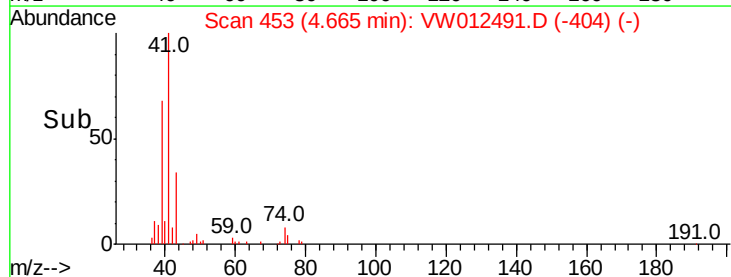
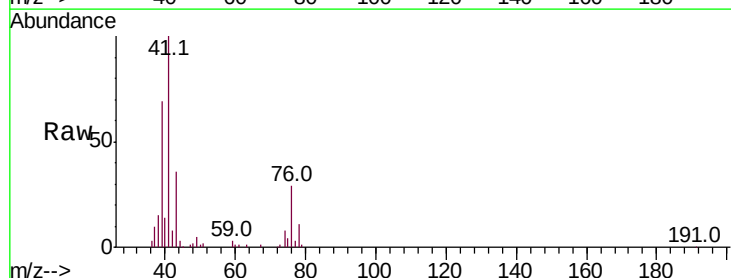
Tgt Ion: 41 Resp: 38216

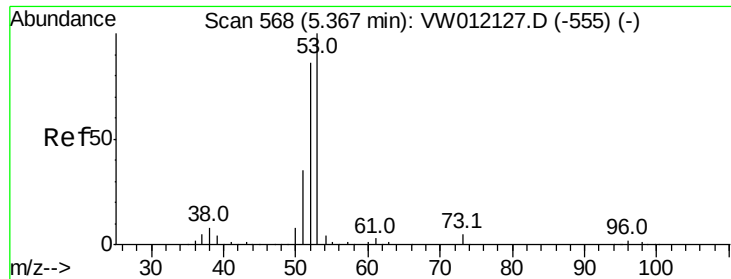
Ion Ratio Lower Upper

41 100

39 68.9 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 46.668 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

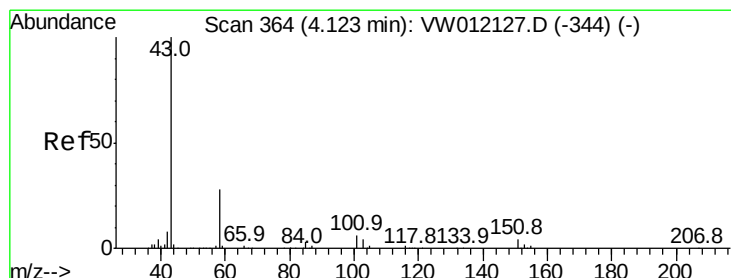
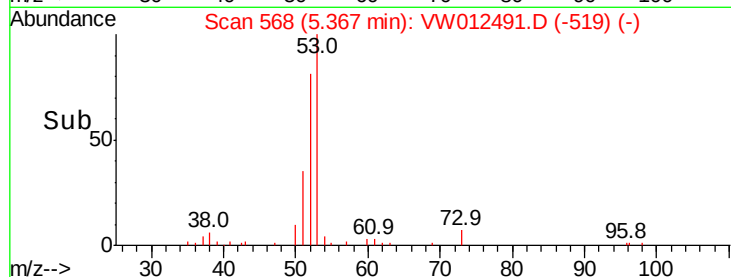
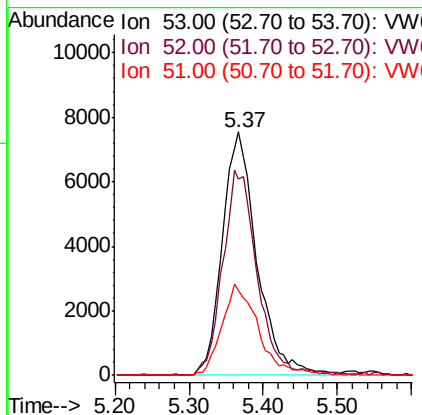
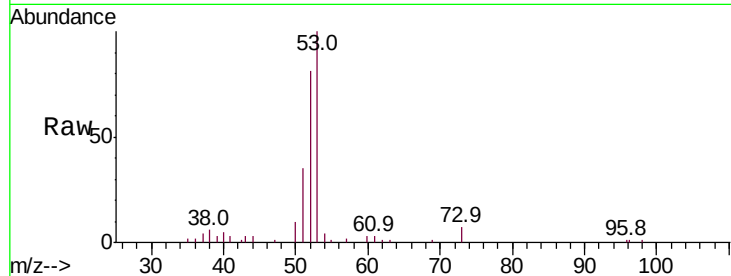
ClientSampleId :

VW0902SBSD01

Tot Ion:	53	Resp:	24495
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	39.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 45.986 ug/l

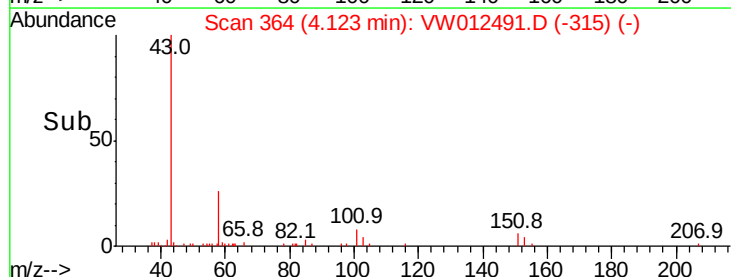
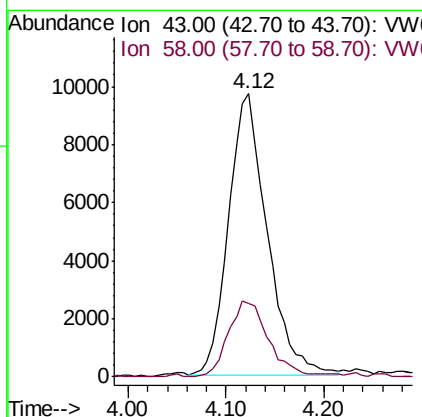
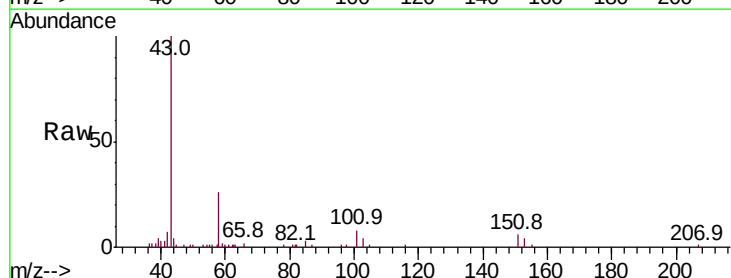
RT: 4.12 min Scan# 364

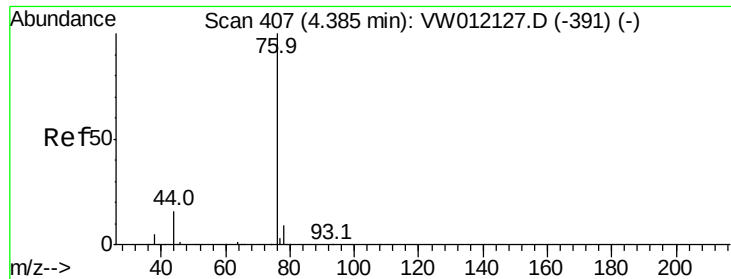
Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion:	43	Resp:	26590
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.4	33.6





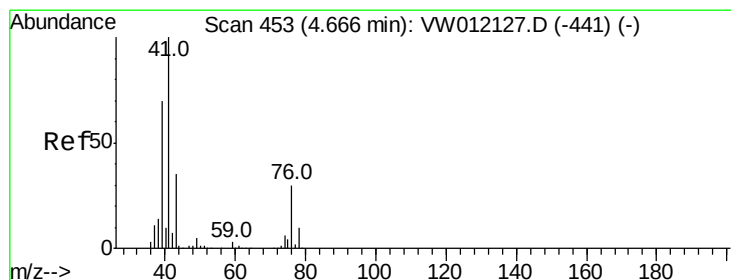
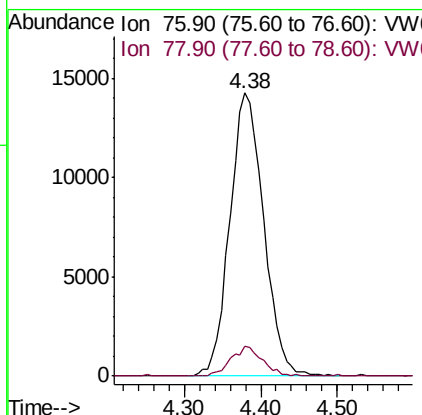
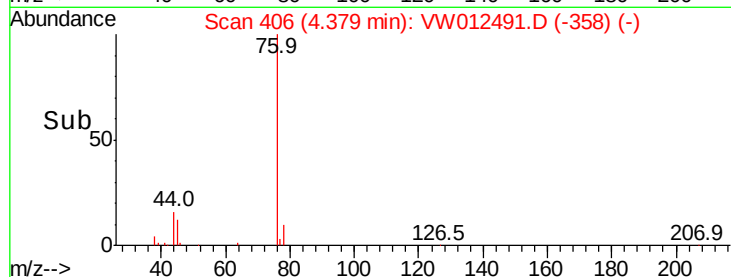
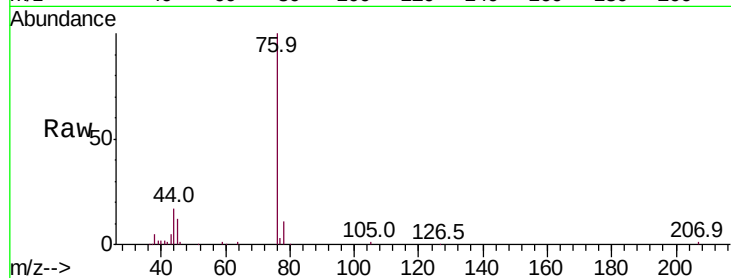
#17
Carbon Disulfide
Concen: 7.589 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion: 76 Resp: 43777
Ion Ratio Lower Upper
76 100
78 10.6 7.3 10.9

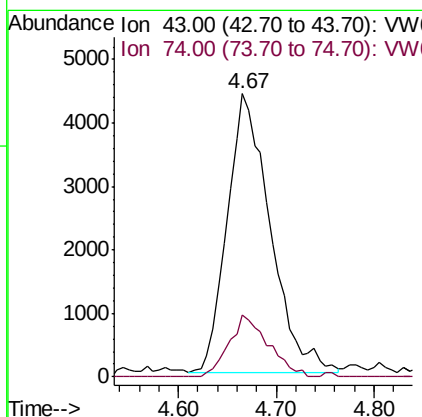
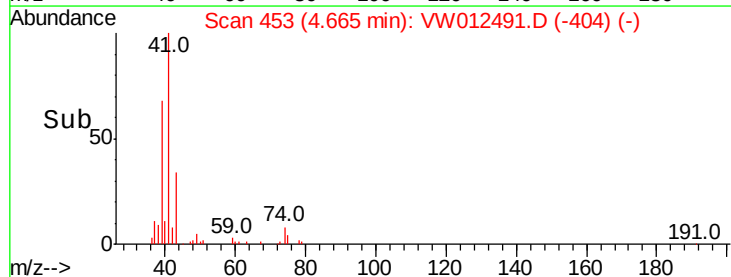
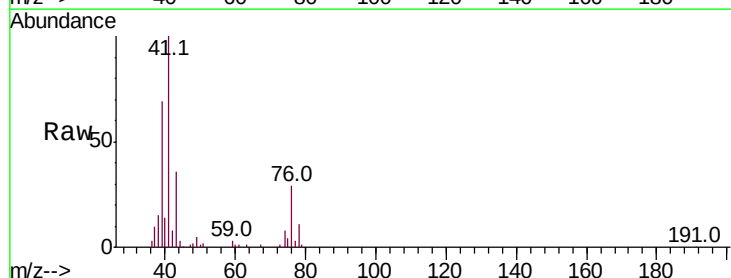
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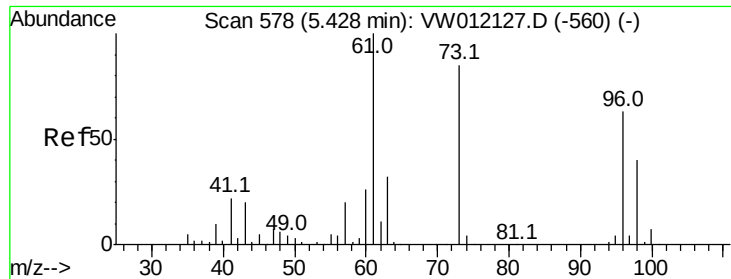
MMDadoda
9/3/2019 10:56:18 AM



#18
Methyl Acetate
Concen: 9.379 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 43 Resp: 13432
Ion Ratio Lower Upper
43 100
74 20.3 15.7 23.5





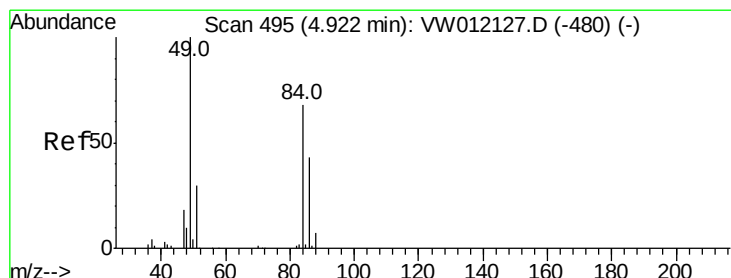
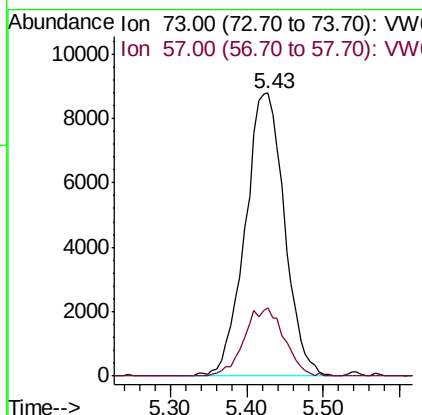
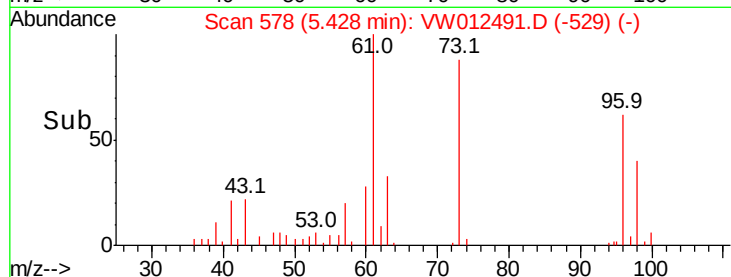
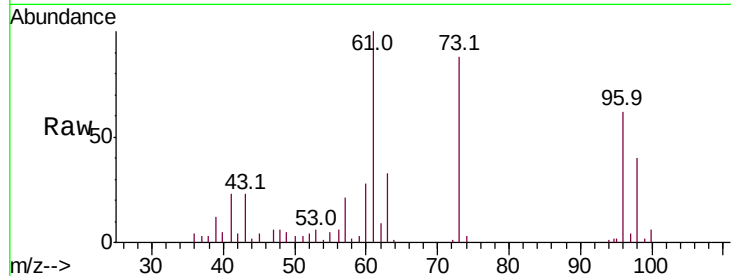
#19
Methvl tert-butyl Ether
Concen: 10.173 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion: 73 Resp: 31399
Ion Ratio Lower Upper
73 100
57 24.2 18.9 28.3

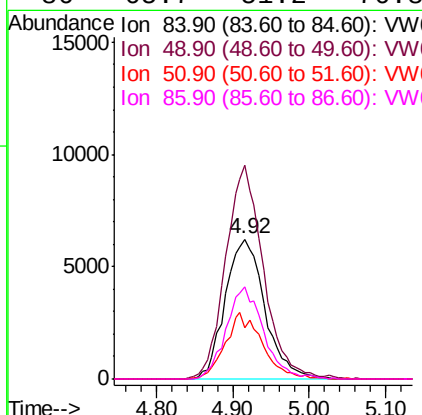
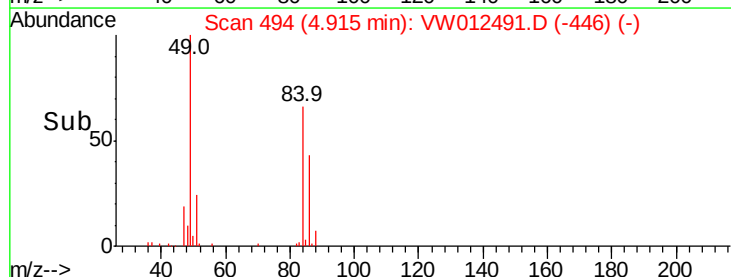
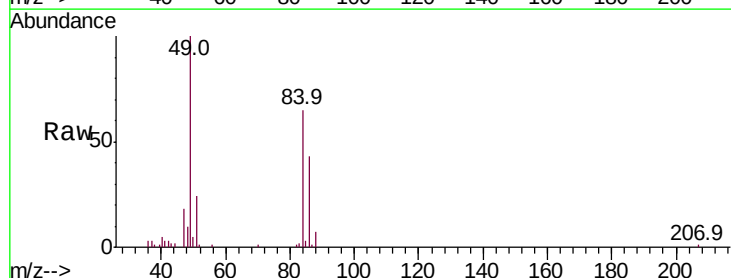
Manual Integrations
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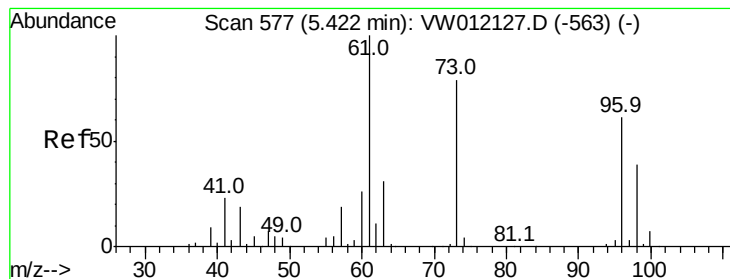
MMDadoda
9/3/2019 10:56:18 AM



#20
Methylene Chloride
Concen: 10.199 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 84 Resp: 22294
Ion Ratio Lower Upper
84 100
49 152.0 117.8 176.8
51 36.9 35.6 53.4
86 65.7 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 9.224 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 96 Resp: 18879

Ion Ratio Lower Upper

96 100

61 160.5 131.4 197.0

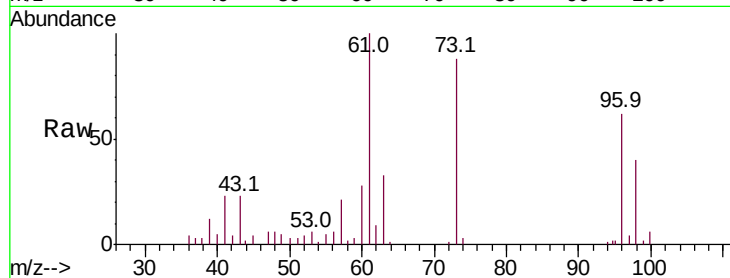
98 64.8 51.4 77.0

Manual Integrations

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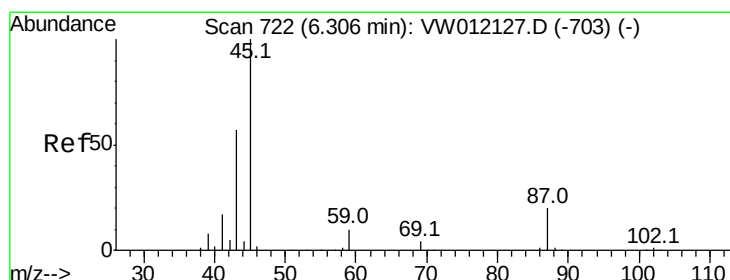
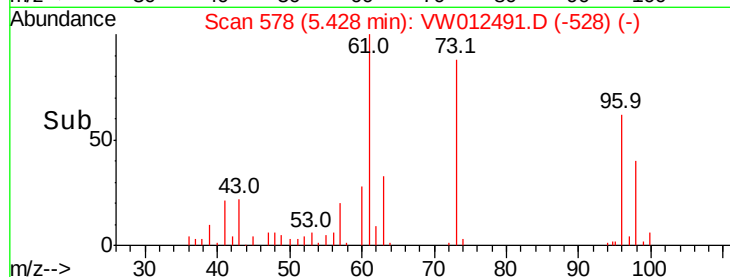
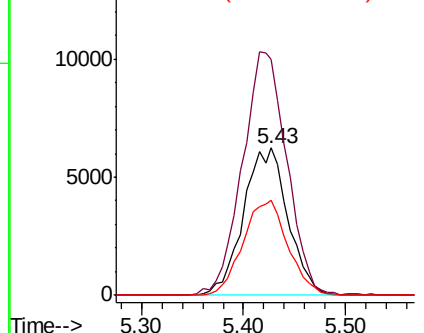
9/3/2019 10:56:18 AM



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 9.789 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion: 45 Resp: 74037

Ion Ratio Lower Upper

45 100

43 55.8 45.5 68.3

87 20.3 16.1 24.1

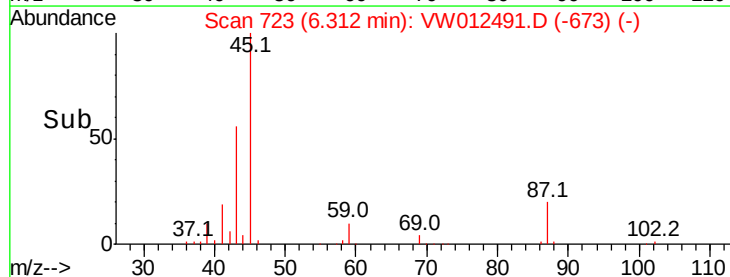
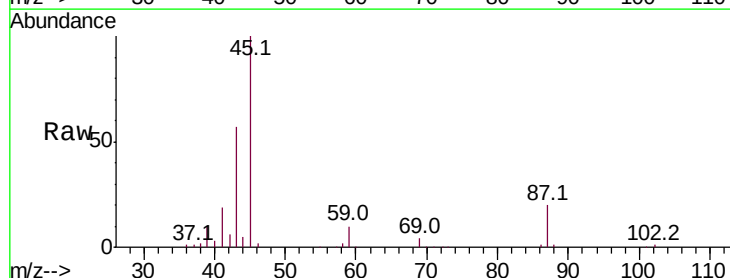
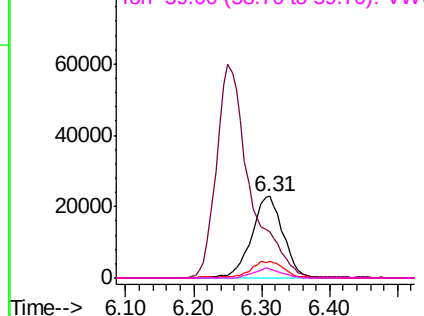
59 10.3 8.2 12.2

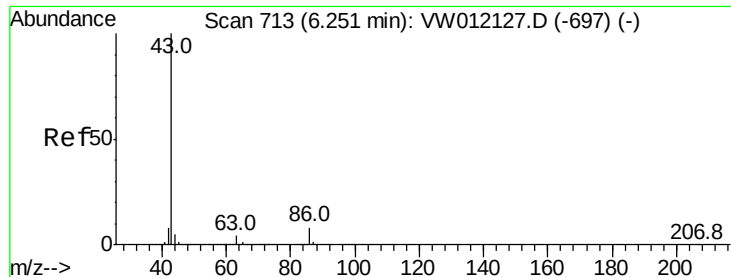
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 43.966 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tot Ion	Ratio	Resp	Lower	Upper
43	100	204645		
86	8.0		6.5	9.7

Instrument :

MSVOA_W

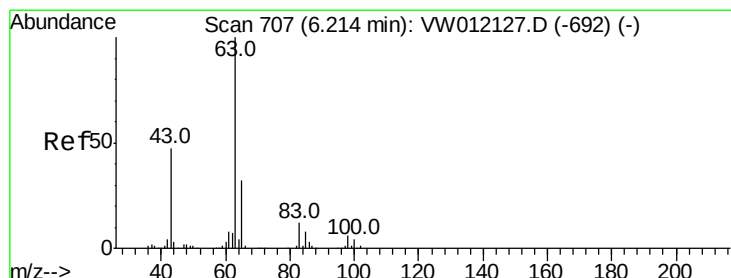
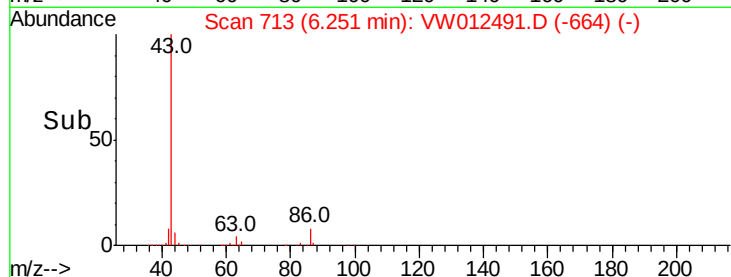
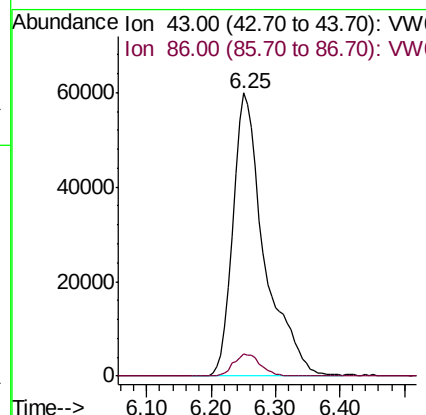
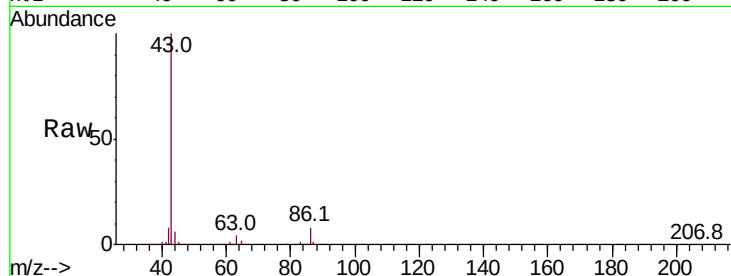
ClientSampled :

VW0902SBSD01

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.753 ug/l

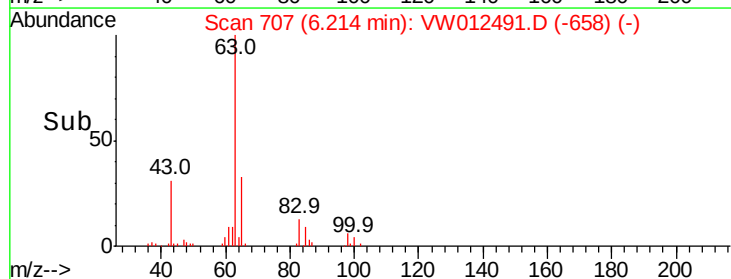
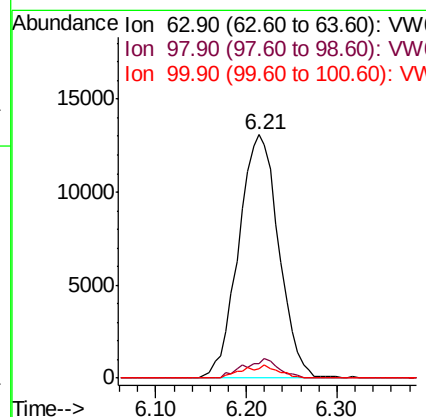
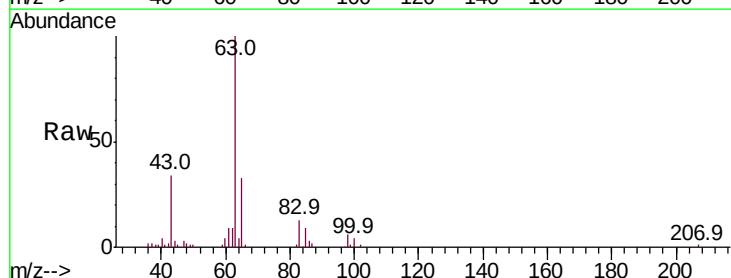
RT: 6.21 min Scan# 707

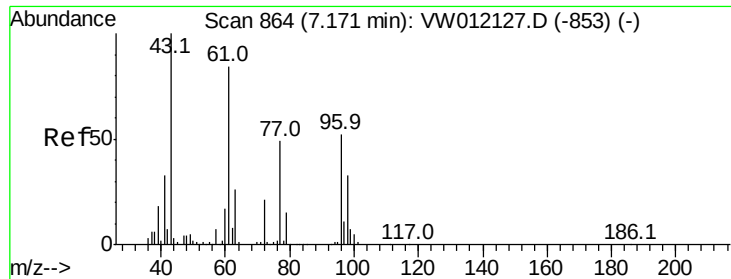
Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	40165		
98	6.0		3.0	9.2
100	3.9		2.0	6.0





#25

2-Butanone

Concen: 43.800 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 43 Resp: 34415

Ion Ratio Lower Upper

43 100

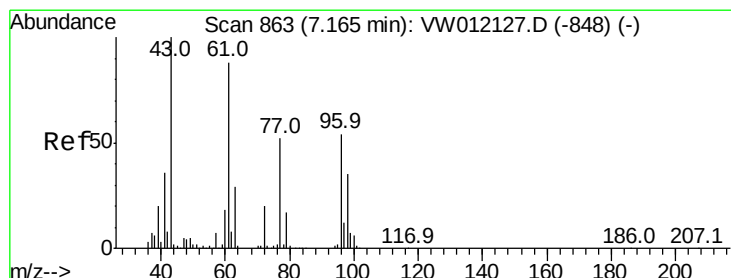
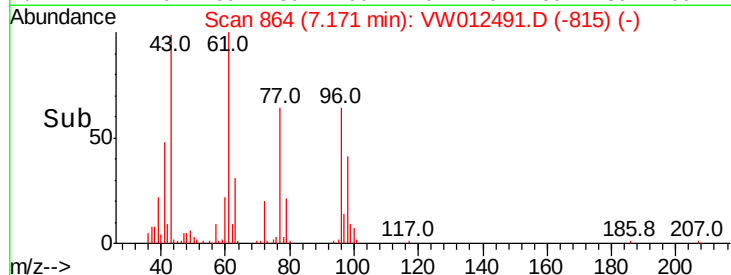
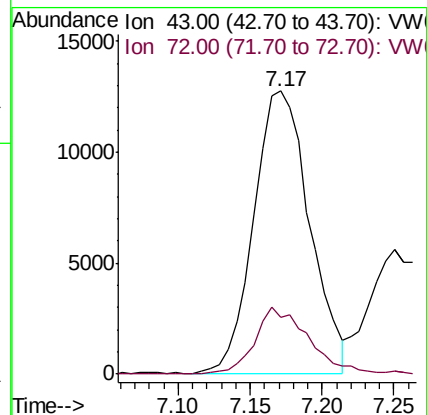
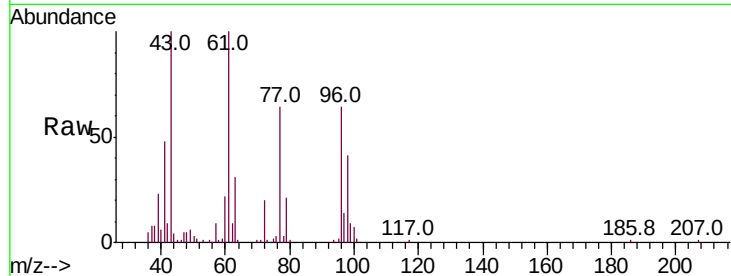
72 20.1 16.6 24.8

Manual Integrations

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MMDadoda

9/3/2019 10:56:18 AM



#26

2,2-Dichloropropane

Concen: 10.729 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012491.D

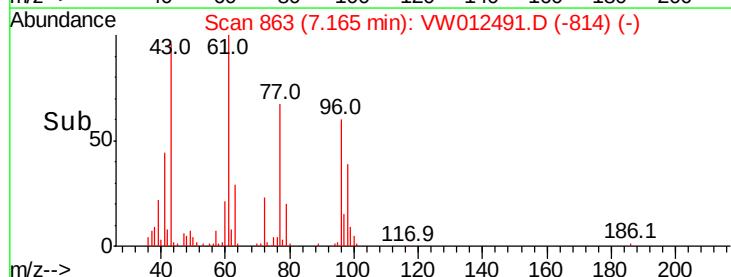
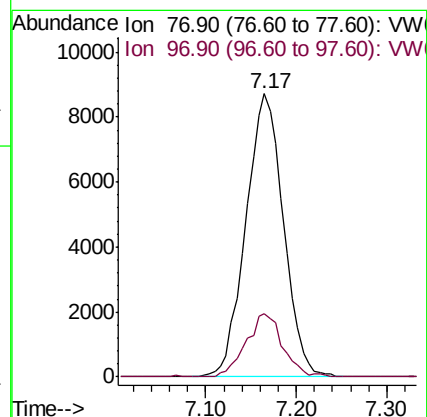
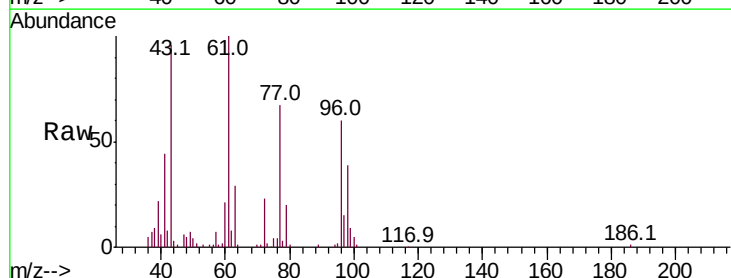
Acq: 02 Sep 2019 11:50

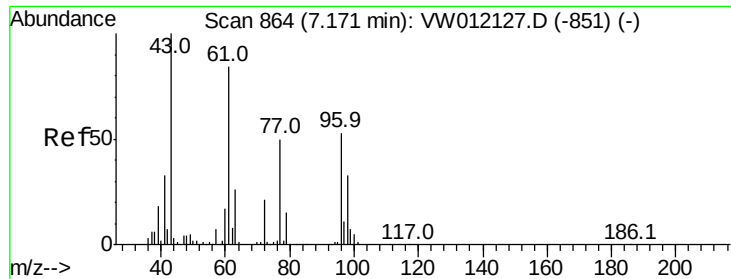
Tgt Ion: 77 Resp: 25009

Ion Ratio Lower Upper

77 100

97 21.8 11.1 33.1





#27

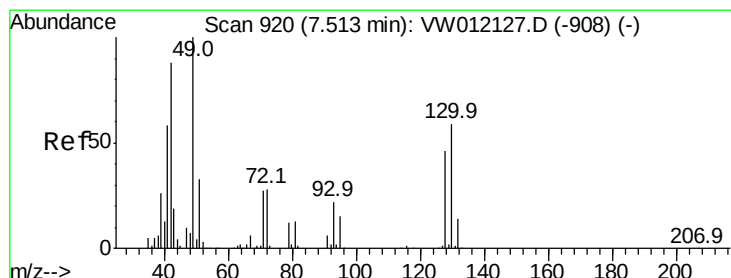
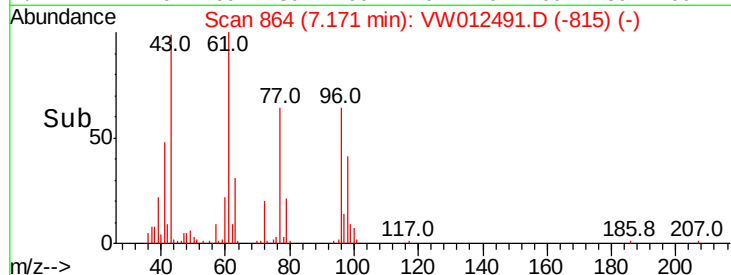
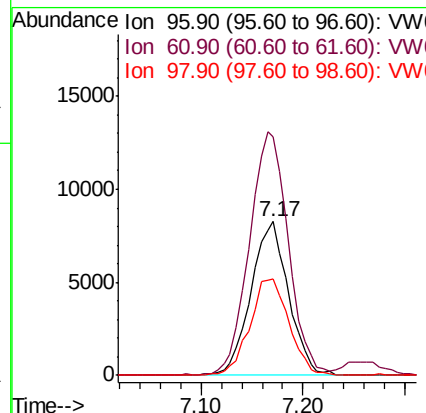
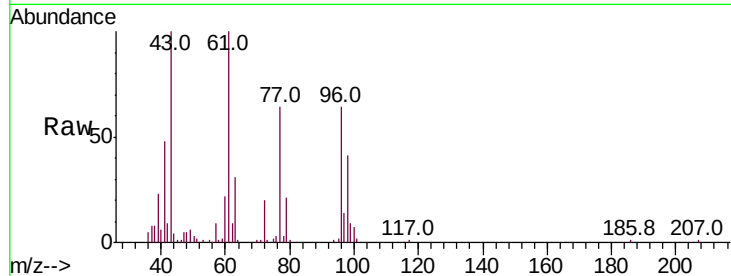
cis-1,2-Dichloroethene
Concen: 9.685 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.2	0.0	326.6
98	65.2	0.0	127.4

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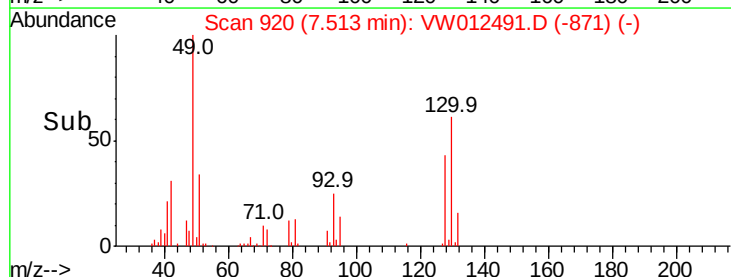
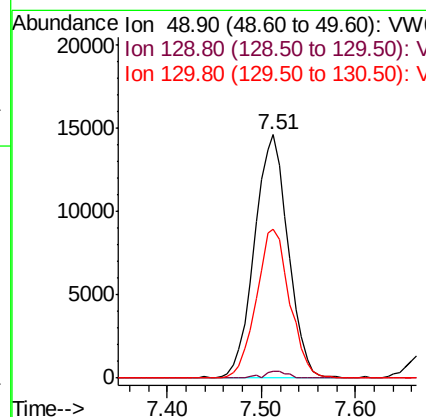
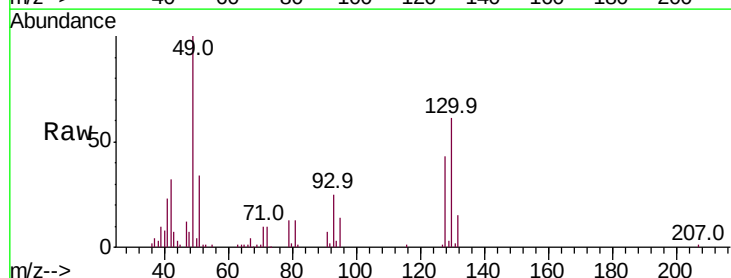
MMDadoda
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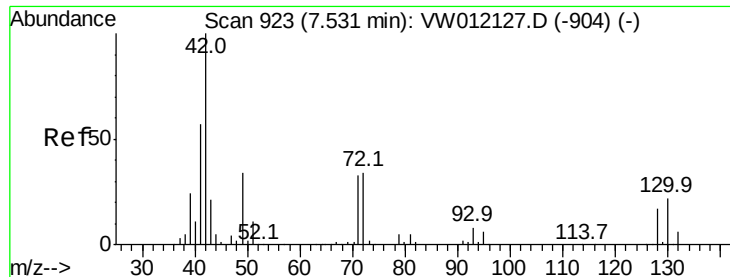


#28

Bromochloromethane
Concen: 20.343 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.4#
130	60.6	45.5	68.3





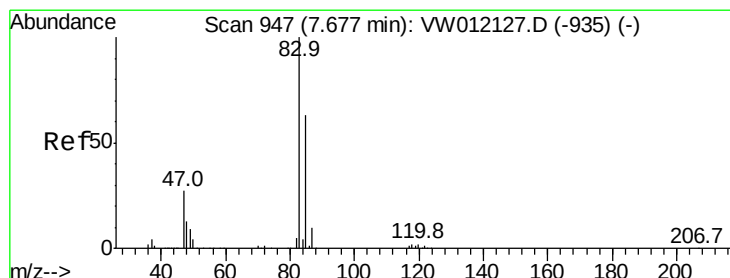
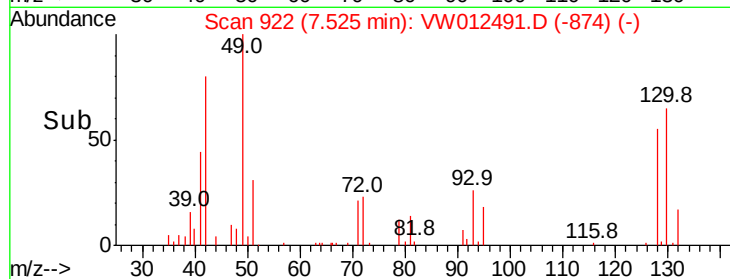
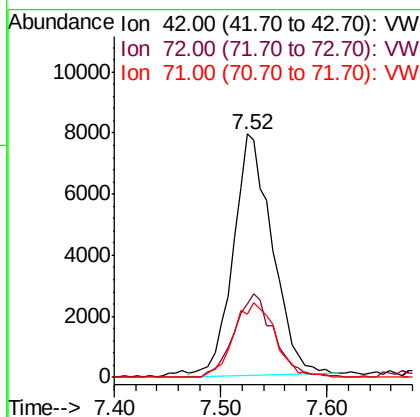
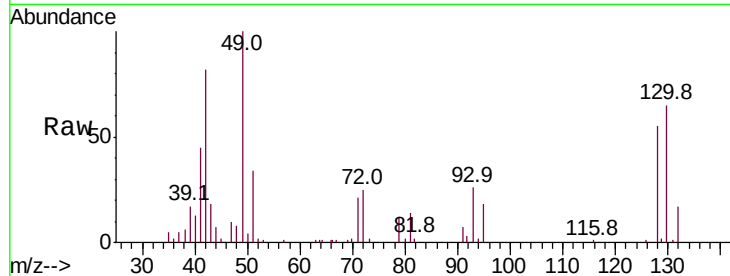
#29
Tetrahydrofuran
Concen: 43.137 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	27.3	40.9
71	33.4	25.5	38.3

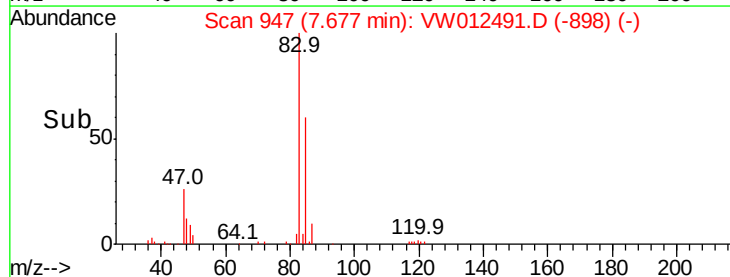
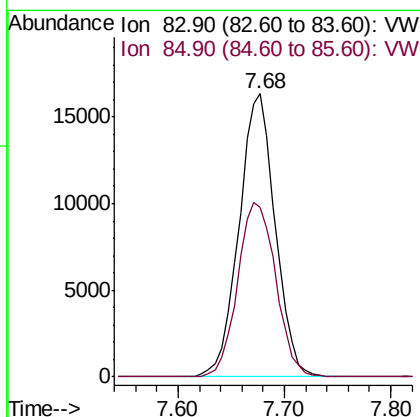
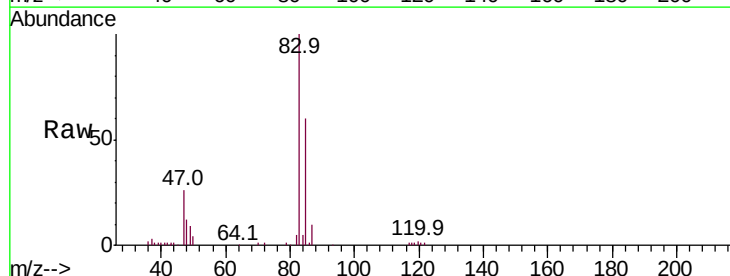
Manual Integrations
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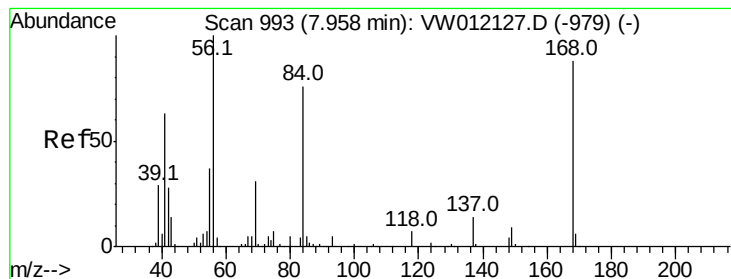
MMDadoda
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#30
Chloroform
Concen: 10.330 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	50.6	76.0





#31

Cyclohexane

Concen: 9.408 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

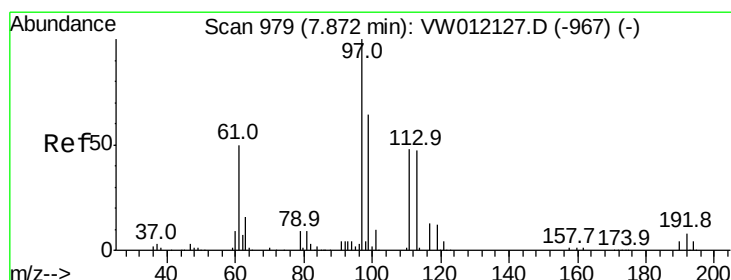
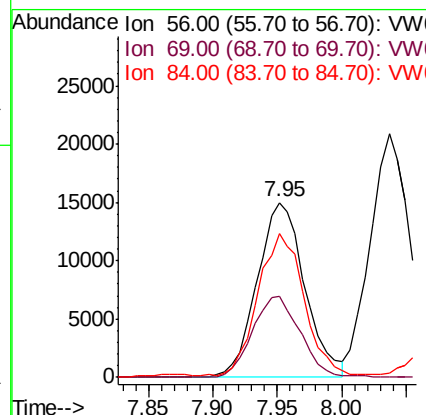
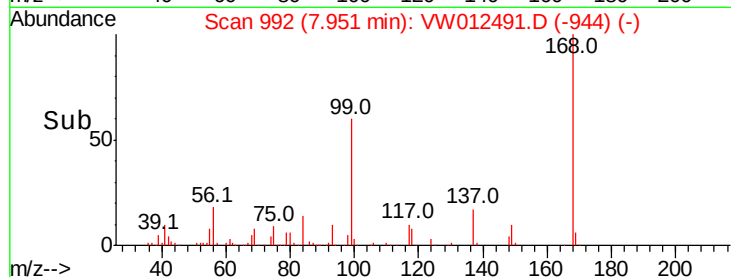
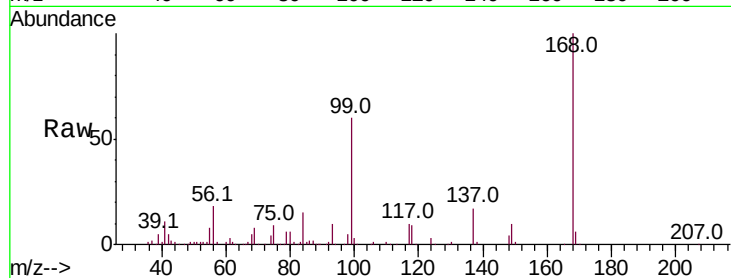
ClientSampleId :

VW0902SBSD01

Tot Ion:	56	Resp:	38333
Ion Ratio	Lower	Upper	
56	100		
69	46.4	24.9	37.3#
84	80.7	60.6	90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 10.358 ug/l

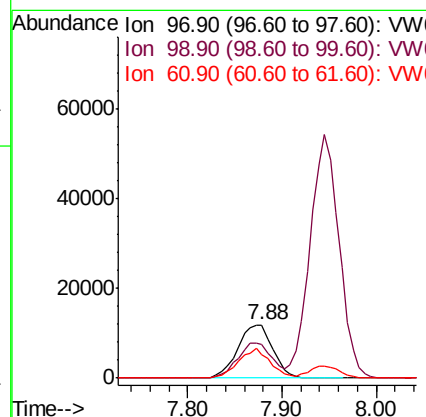
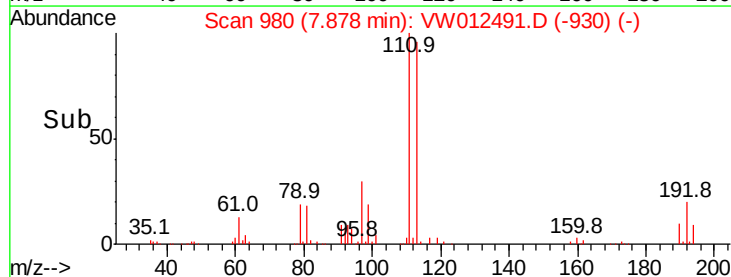
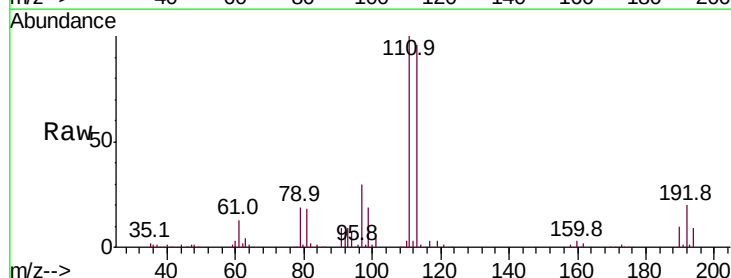
RT: 7.88 min Scan# 980

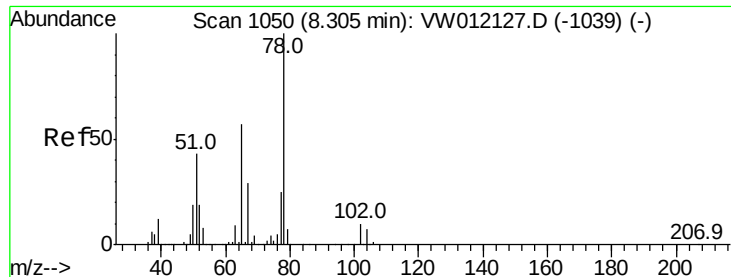
Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion:	97	Resp:	30872
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.4	77.0
61	51.2	39.5	59.3





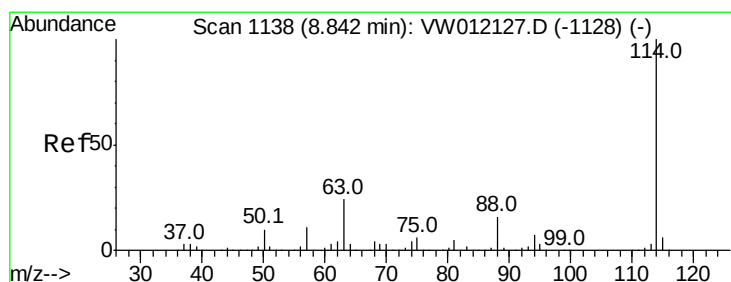
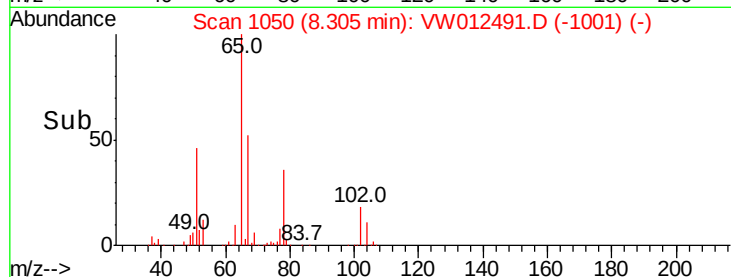
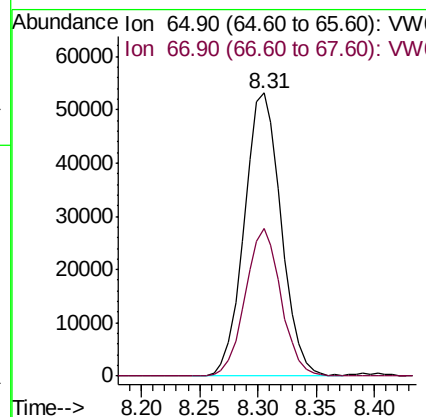
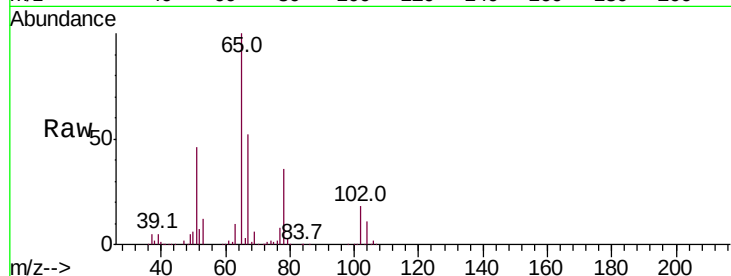
#33
 1,2-Dichloroethane-d4
 Concen: 51.929 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	102.6

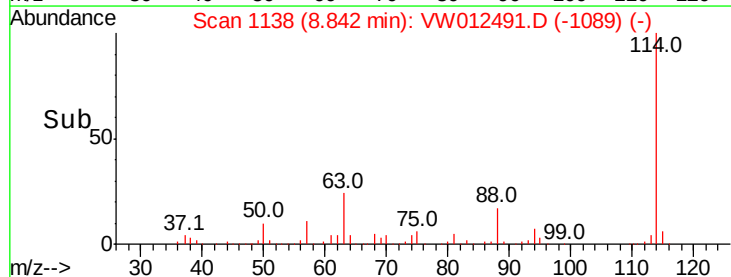
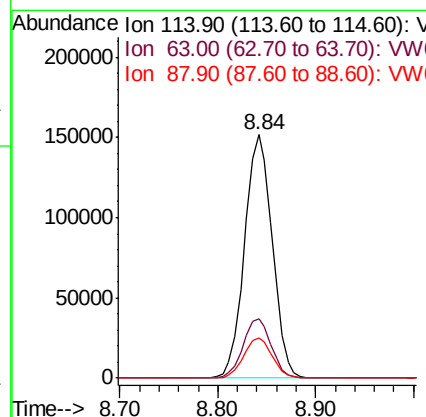
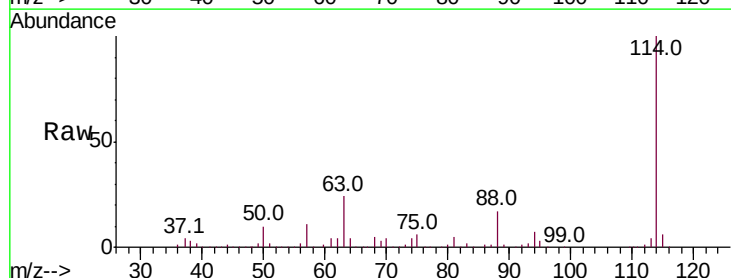
Manual Integrations
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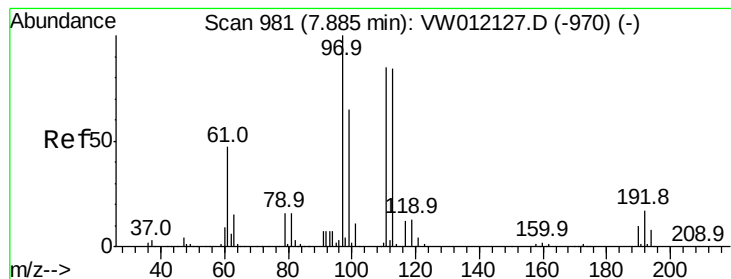
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	48.6
88	16.7	0.0	32.2





#35

Dibromofluoromethane

Concen: 53.015 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion:113 Resp: 94438

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

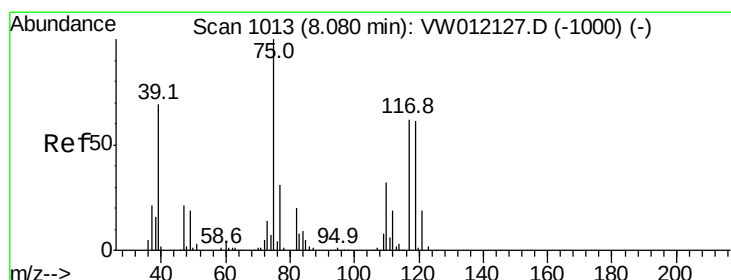
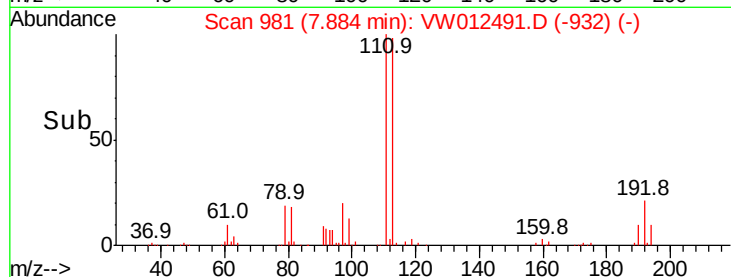
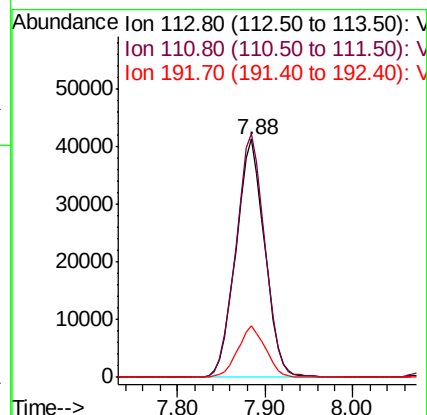
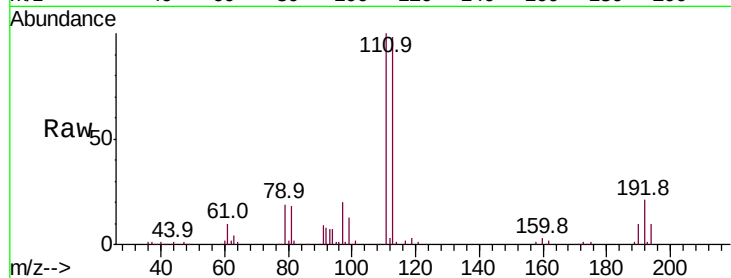
192 20.8 16.2 24.2

Manual Integrations

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9/3/2019 10:56:18 AM



#36

1,1-Dichloropropene

Concen: 9.760 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

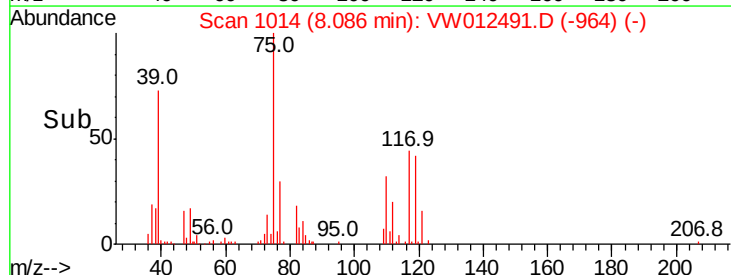
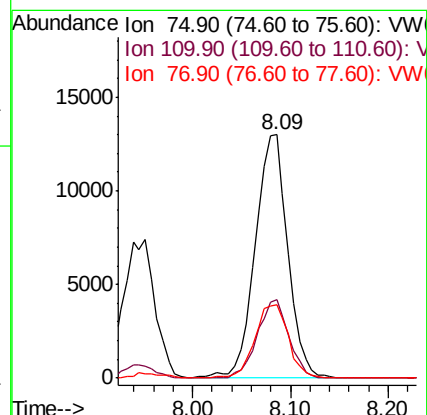
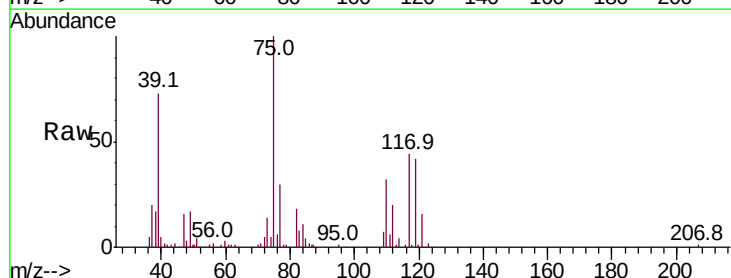
Tgt Ion: 75 Resp: 30098

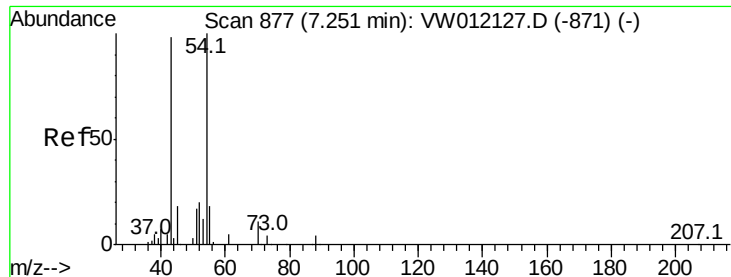
Ion Ratio Lower Upper

75 100

110 31.1 15.6 46.8

77 31.1 24.6 36.8





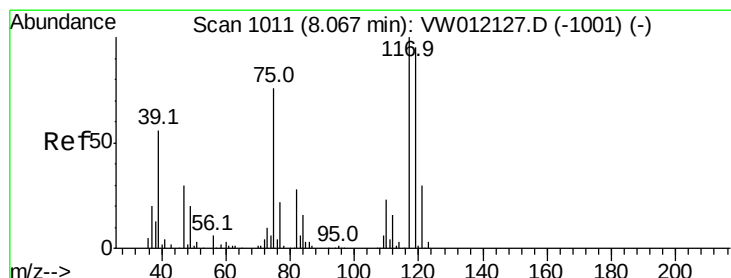
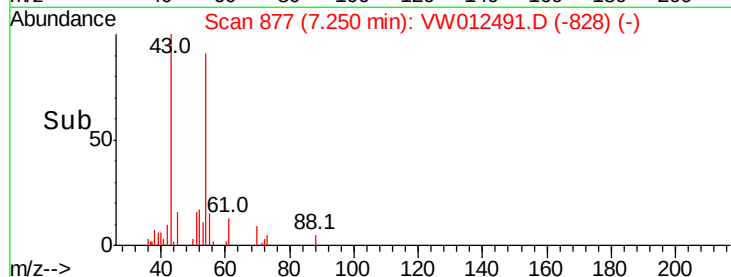
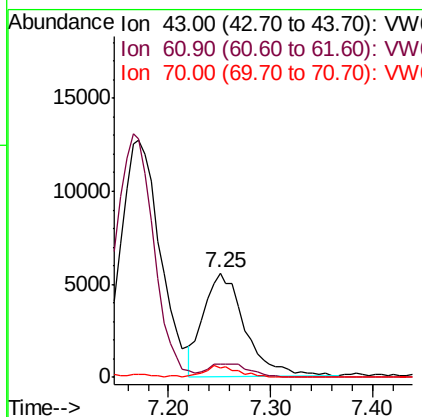
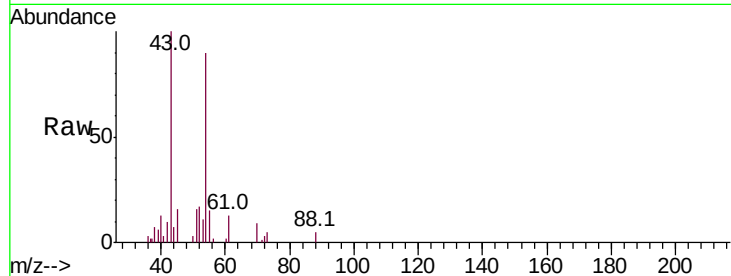
#37
Ethyl Acetate
Concen: 9.109 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	9.2	13.8
70	9.5	6.9	10.3

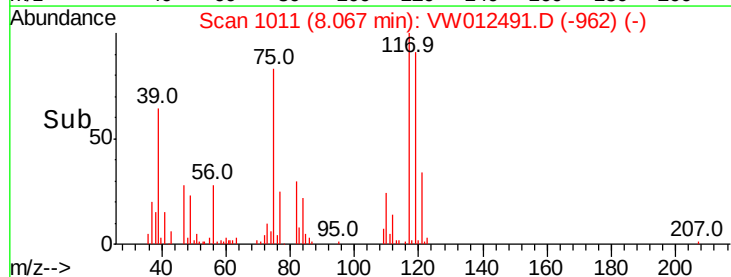
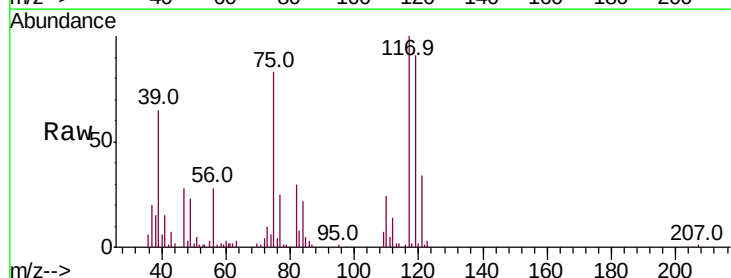
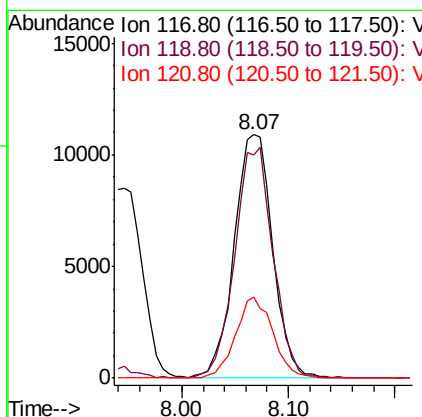
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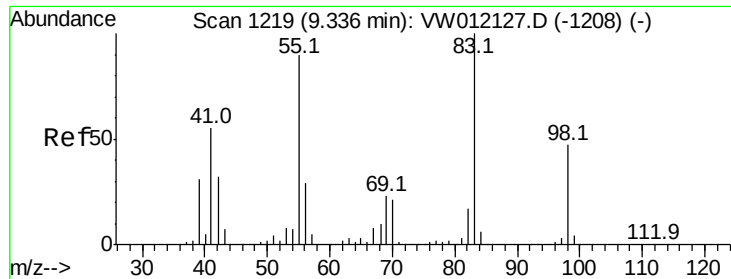
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#38
Carbon Tetrachloride
Concen: 10.381 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	76.2	114.2
121	33.5	23.8	35.8





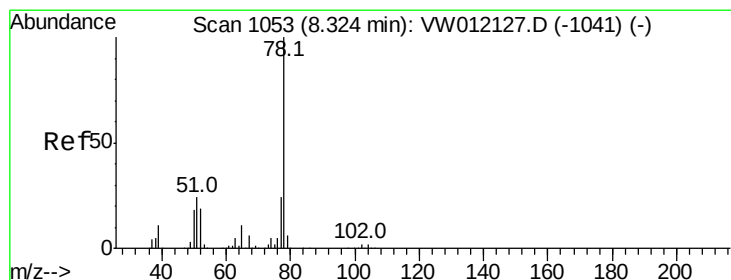
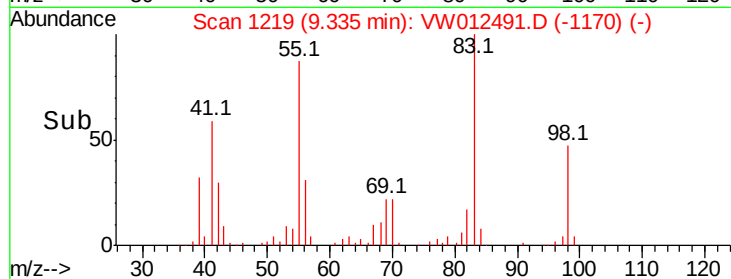
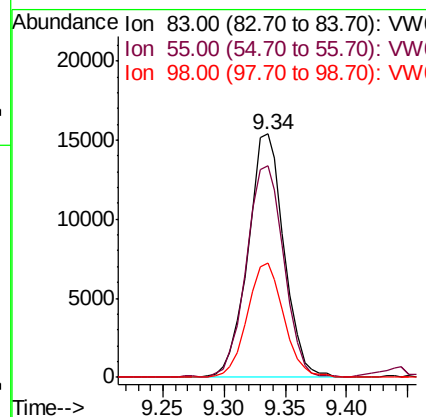
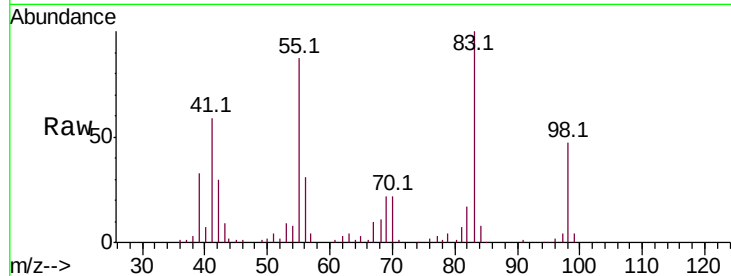
#39
Methylvlcyclohexane
Concen: 9.097 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	83	Resp	31516
Ion Ratio	100	Lower	Upper
83	100		
55	86.4	71.8	107.8
98	47.1	37.8	56.8

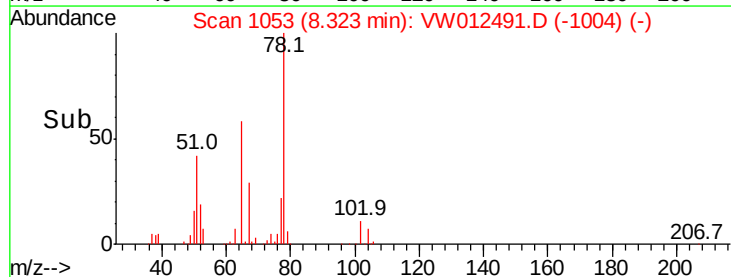
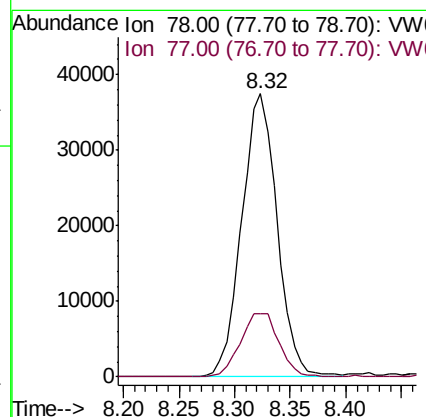
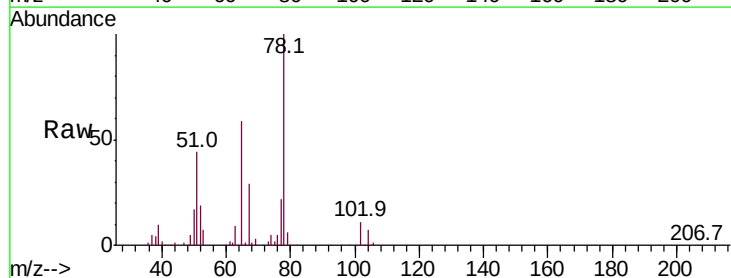
Manual Integrations
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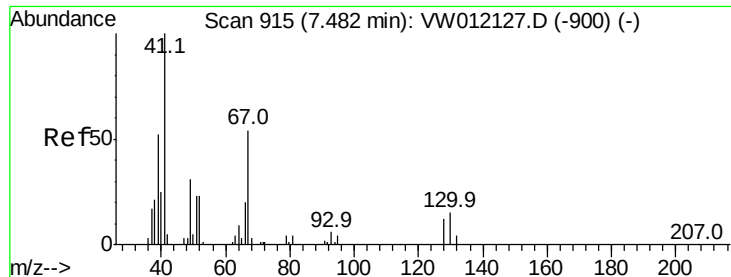
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#40
Benzene
Concen: 9.841 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	78	Resp	82873
Ion Ratio	100	Lower	Upper
78	100		
77	22.5	19.5	29.3





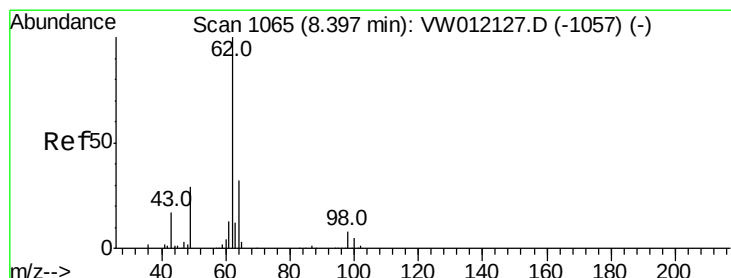
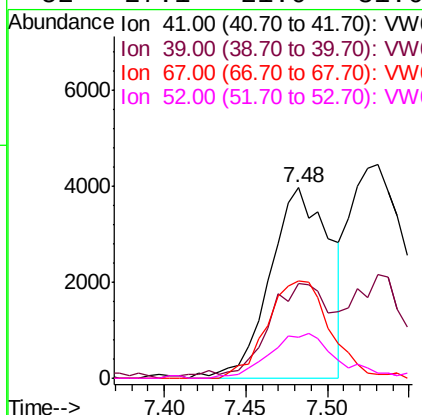
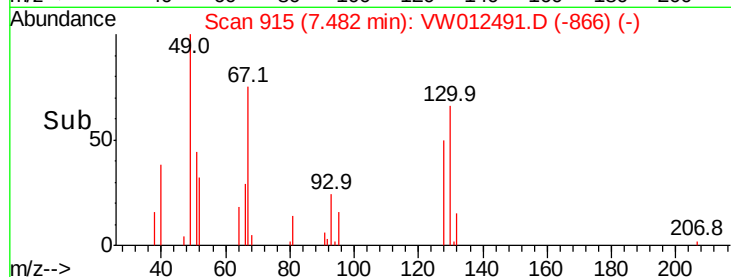
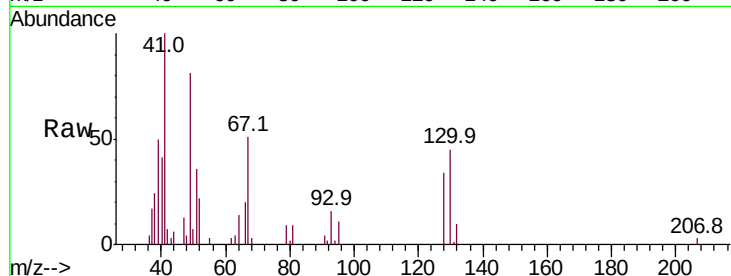
#41
Methacrylonitrile
Concen: 10.158 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD01

Tot Ion	41	Resp	10089
Ion	Ratio	Lower	Upper
41	100		
39	53.5	45.8	68.8
67	54.0	46.2	69.4
52	27.1	21.0	31.6

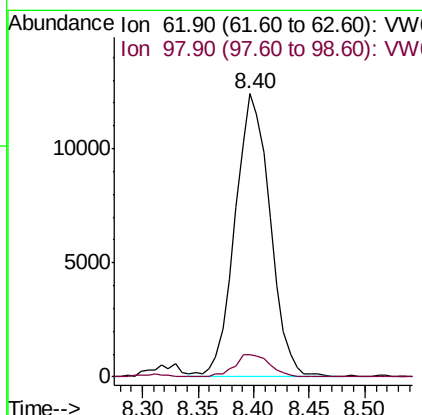
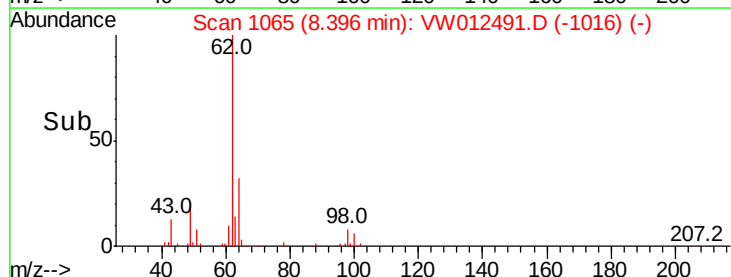
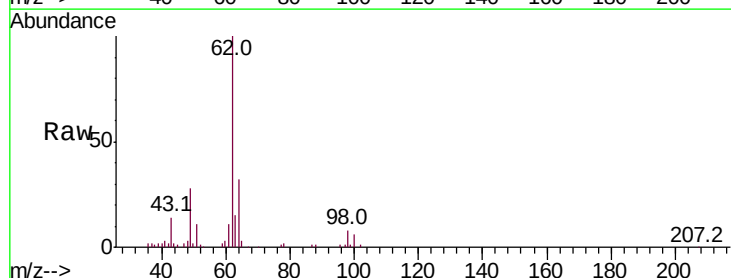
Manual Integrations
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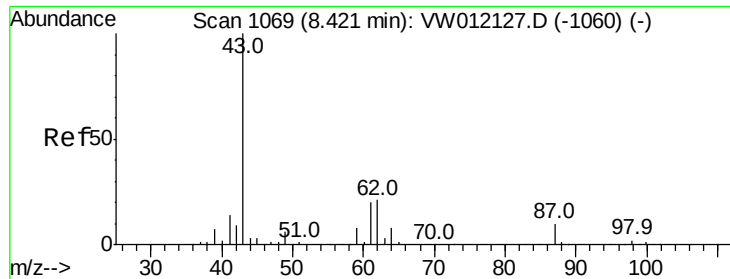
MMDadoda
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#42
1,2-Dichloroethane
Concen: 10.269 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	62	Resp	27101
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 8.953 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

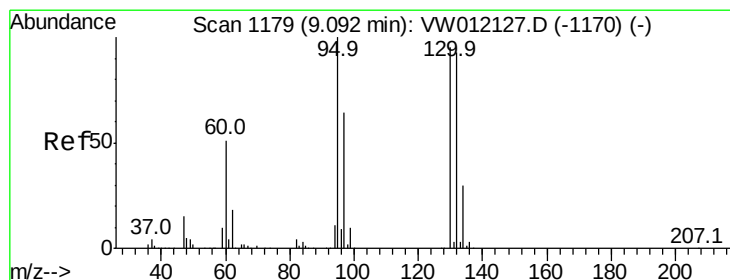
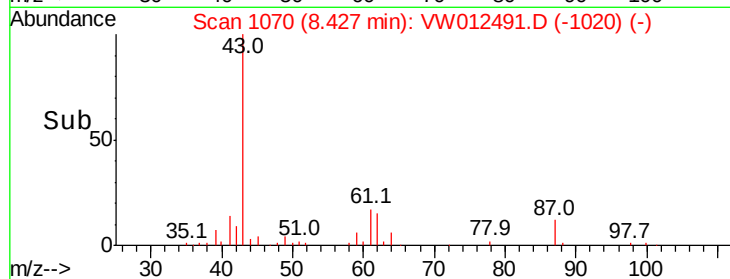
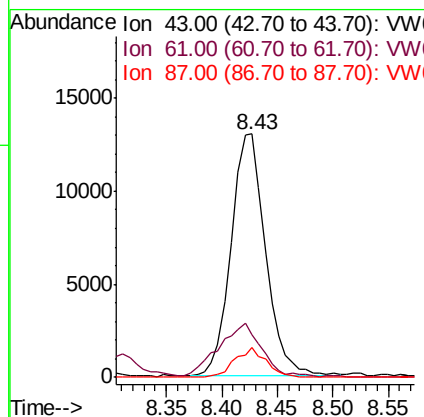
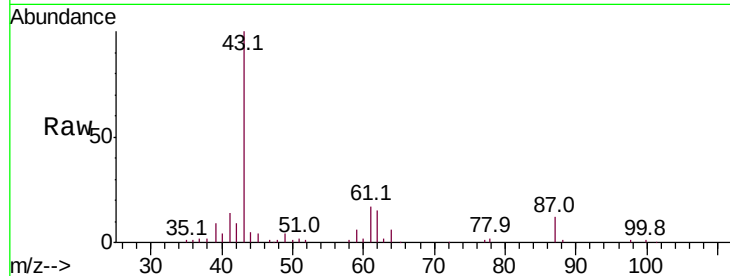
ClientSampled :

VW0902SBSD01

Tot Ion:	43	Resp:	28026
Ion Ratio	Lower	Upper	
43	100		
61	28.1	21.1	31.7
87	11.2	8.2	12.2

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#44

Trichloroethene

Concen: 10.092 ug/l

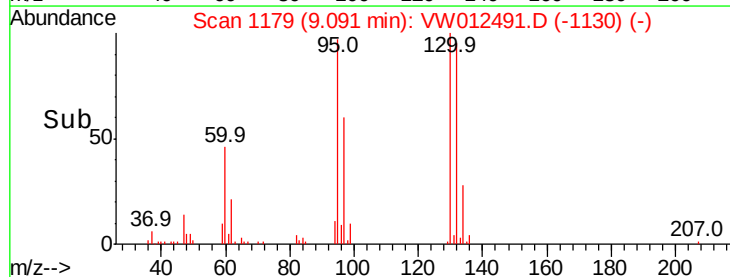
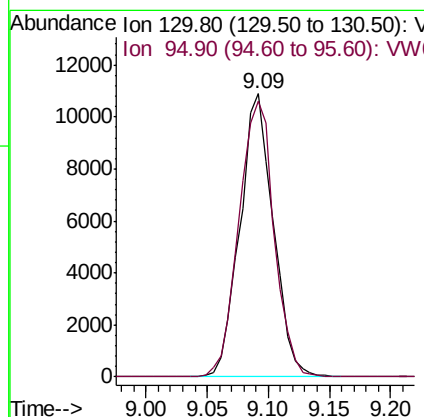
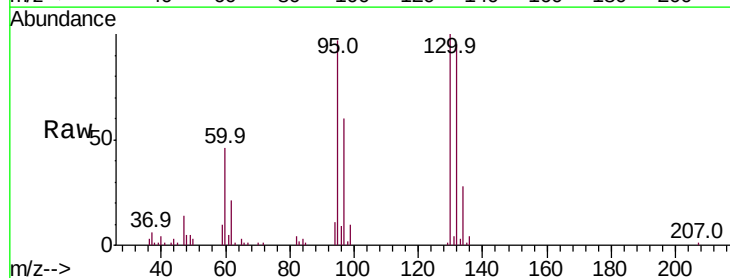
RT: 9.09 min Scan# 1179

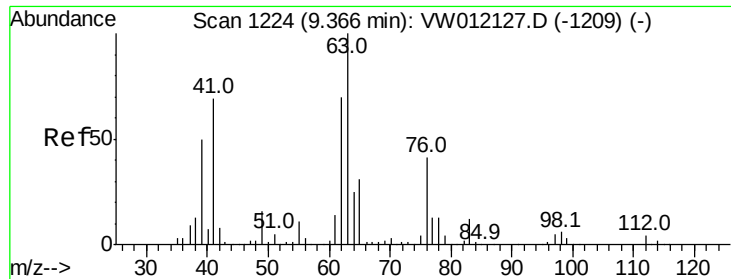
Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion:	130	Resp:	20660
Ion Ratio	Lower	Upper	
130	100		
95	97.3	0.0	210.6





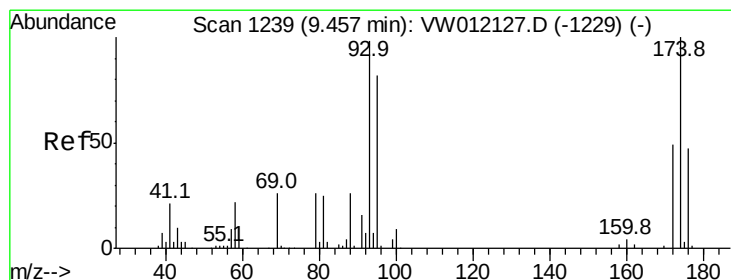
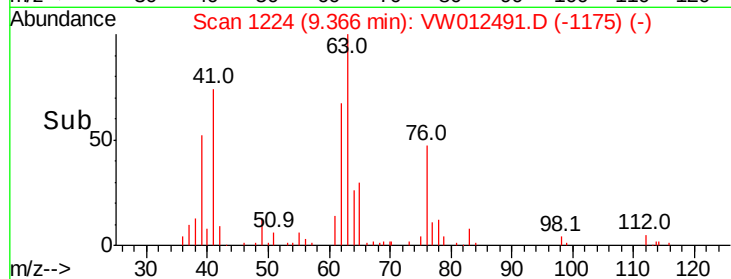
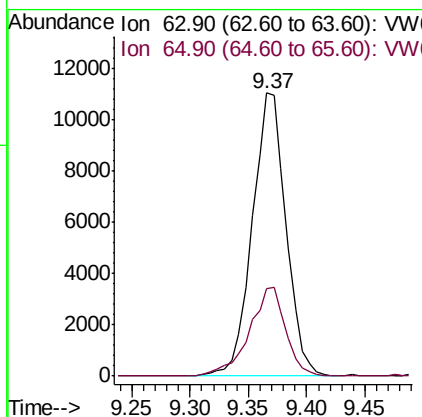
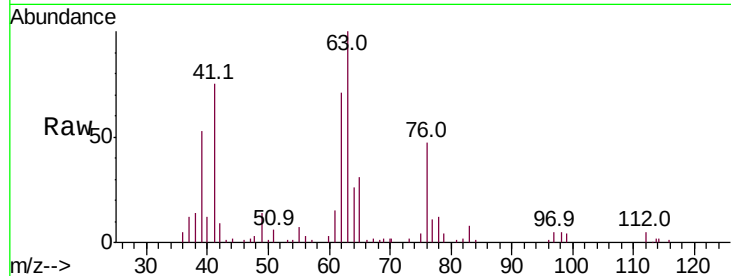
#45
 1,2-Dichloropropane
 Concen: 9.787 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion: 63 Resp: 22180
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

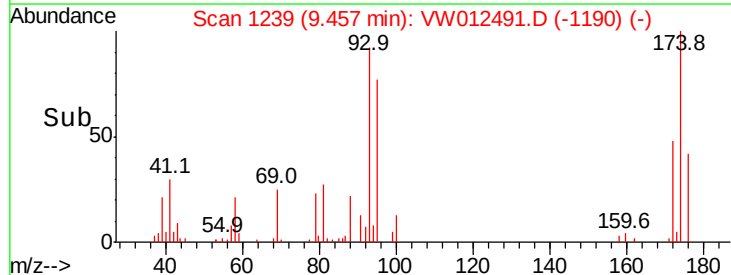
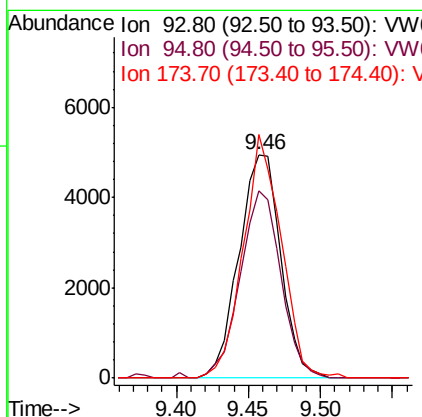
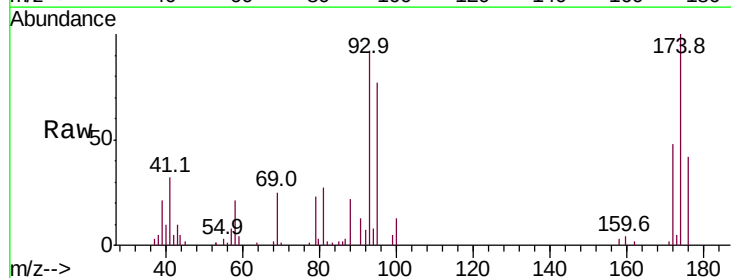
Manual Integrations
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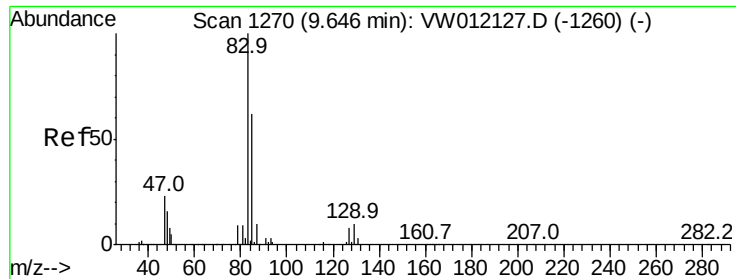
MMDadoda
 9/3/2019 10:56:18 AM



#46
 Dibromomethane
 Concen: 9.888 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion: 93 Resp: 9971
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.2 100.8
 174 98.8 79.0 118.6





#47

Bromodichloromethane

Concen: 9.974 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

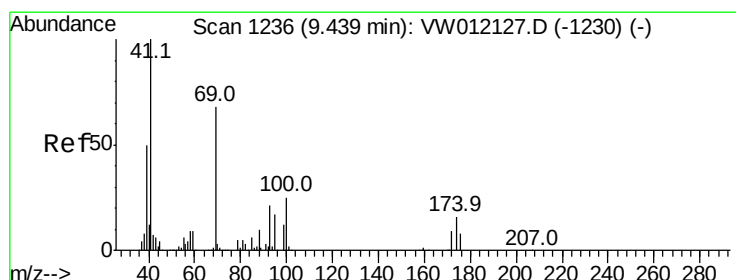
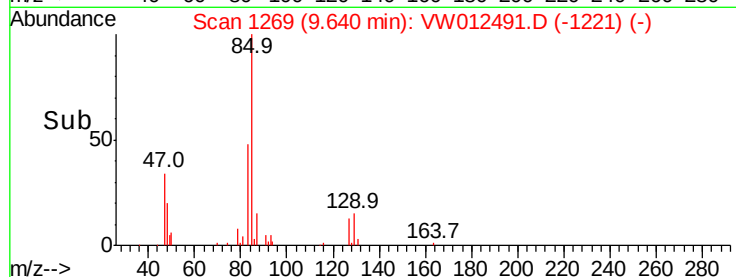
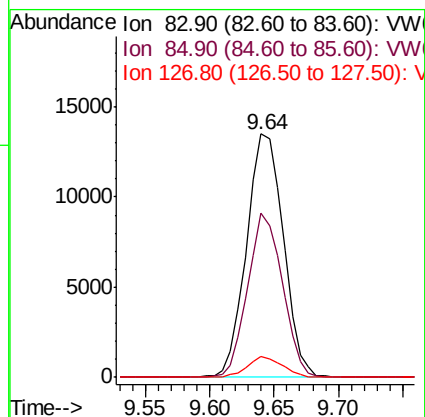
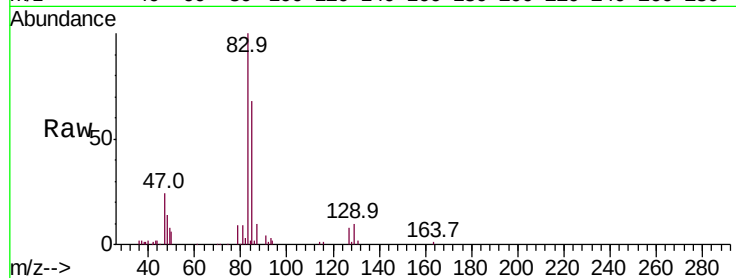
ClientSampled :

VW0902SBSD01

Tot Ion:	83	Resp:	26768
Ion Ratio	Lower	Upper	
83	100		
85	67.7	49.4	74.2
127	8.5	6.1	9.1

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#48

Methyl methacrylate

Concen: 8.994 ug/l

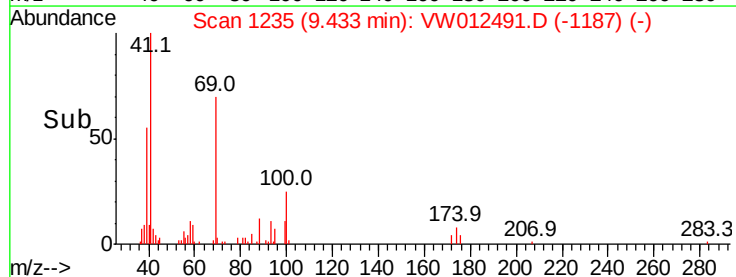
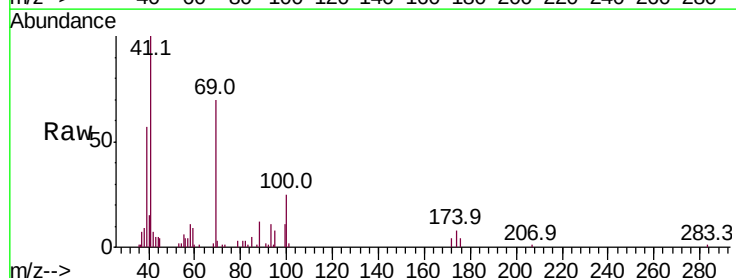
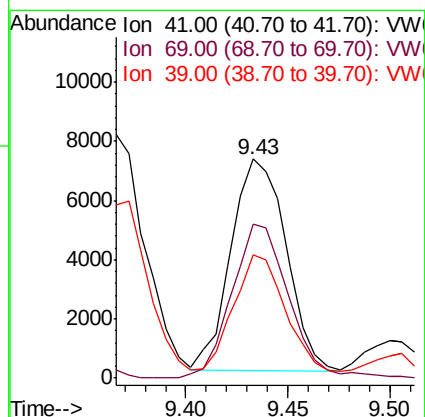
RT: 9.43 min Scan# 1235

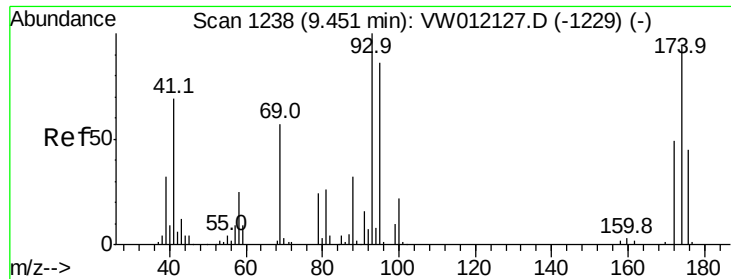
Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion:	41	Resp:	13400
Ion Ratio	Lower	Upper	
41	100		
69	75.4	56.7	85.1
39	57.0	42.0	63.0





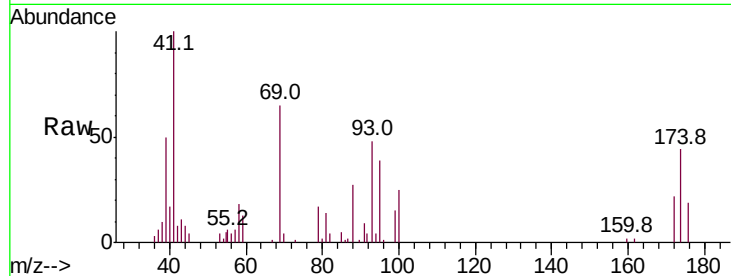
#49
1,4-Dioxane
Concen: 212.091 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

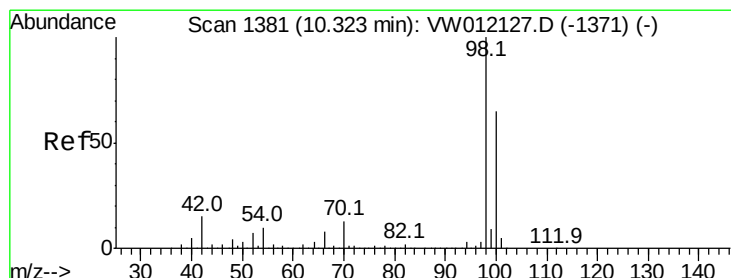
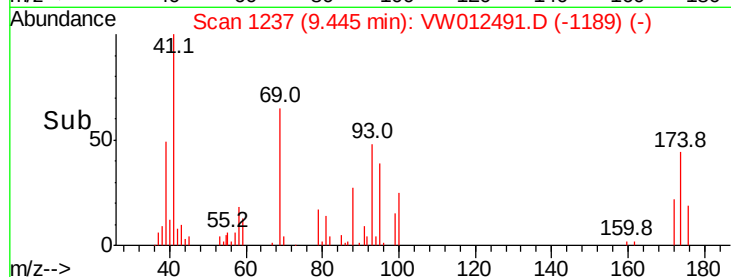
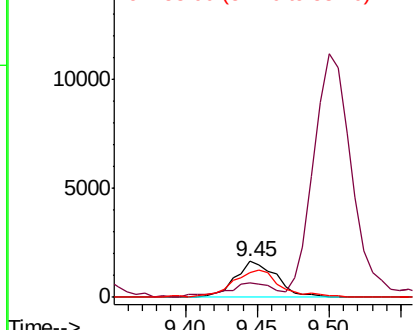
Tot Ion: 88 Resp: 3274
Ion Ratio Lower Upper
88 100
43 47.9 32.9 49.3
58 87.1 71.0 106.4

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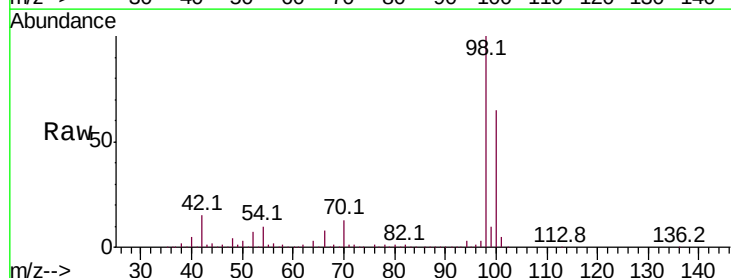


Abundance Ion 88.00 (87.70 to 88.70): VW
15000 Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

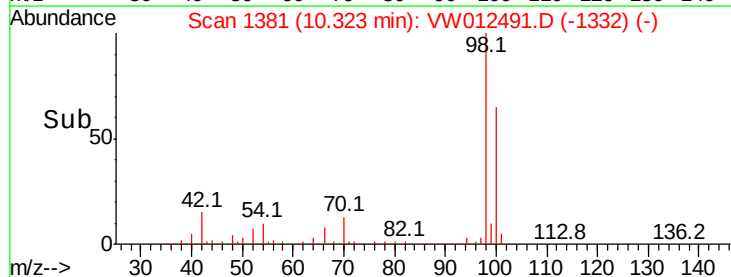
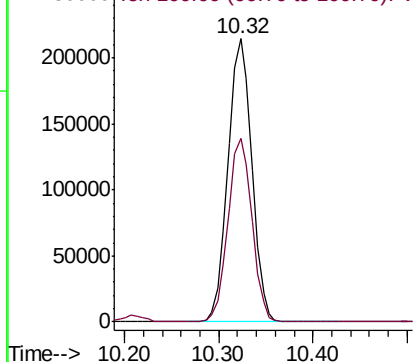


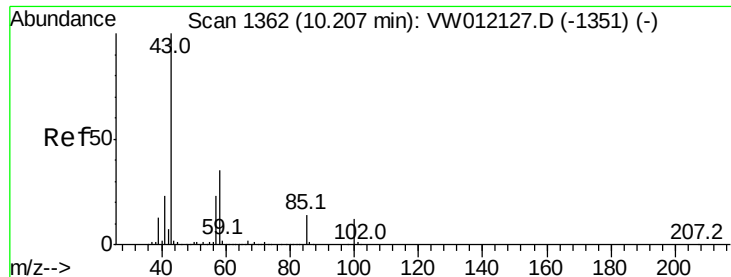
#50
Toluene-d8
Concen: 52.300 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 98 Resp: 377756
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
250000 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 45.586 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 43 Resp: 72581

Ion Ratio Lower Upper

43 100

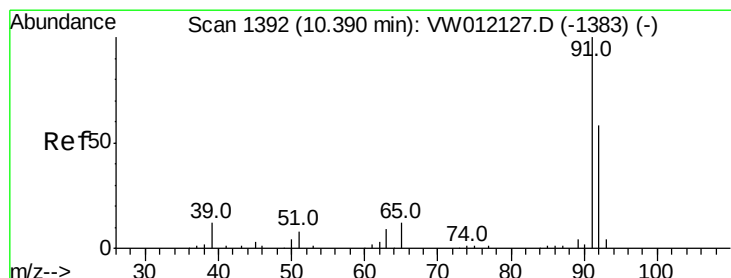
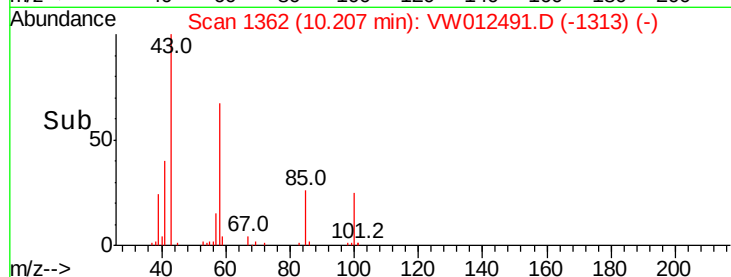
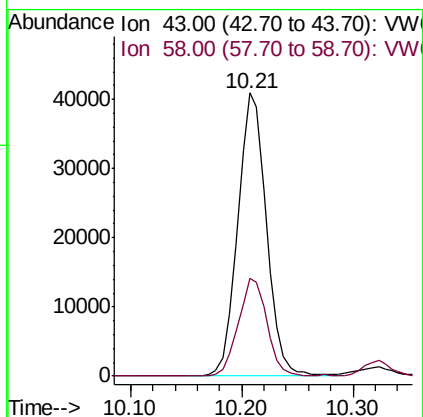
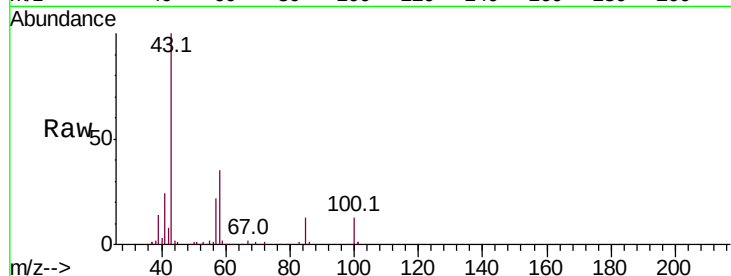
58 34.6 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 10.038 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012491.D

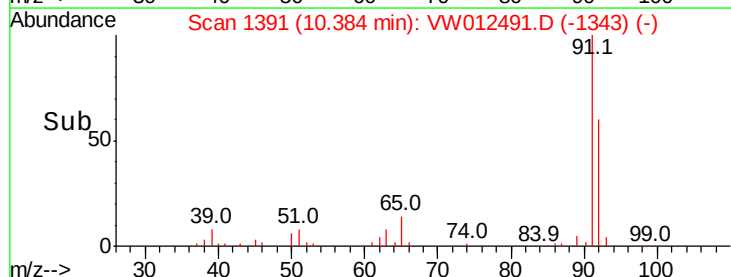
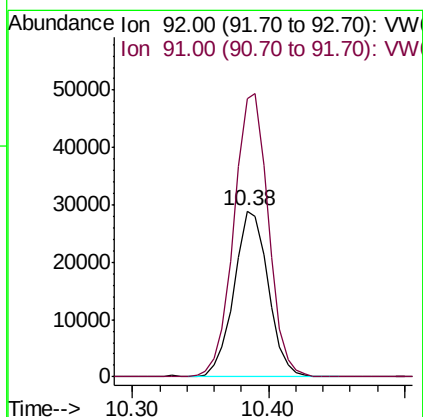
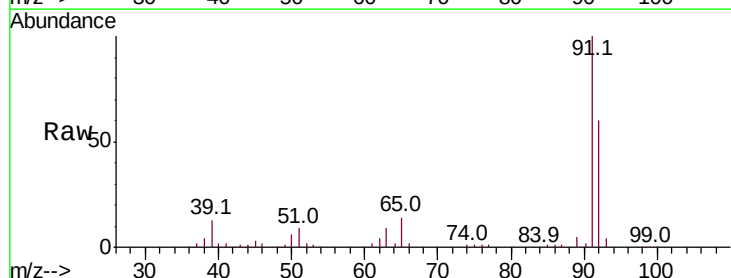
Acq: 02 Sep 2019 11:50

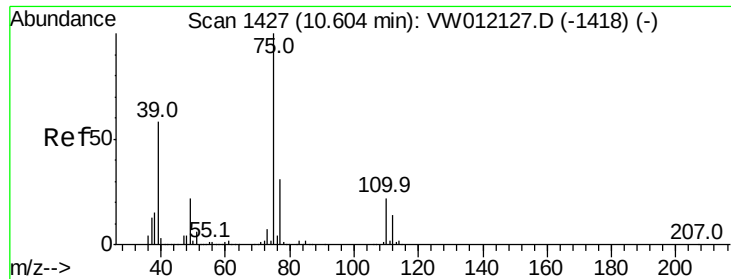
Tgt Ion: 92 Resp: 50780

Ion Ratio Lower Upper

92 100

91 172.0 136.6 204.8





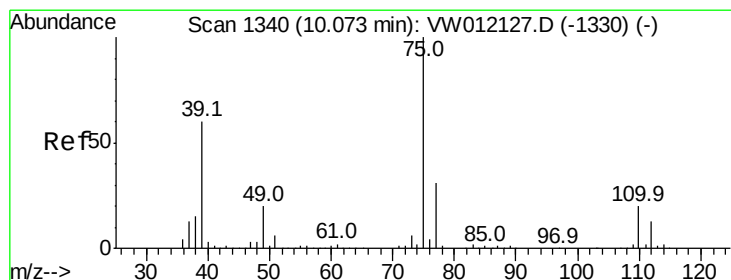
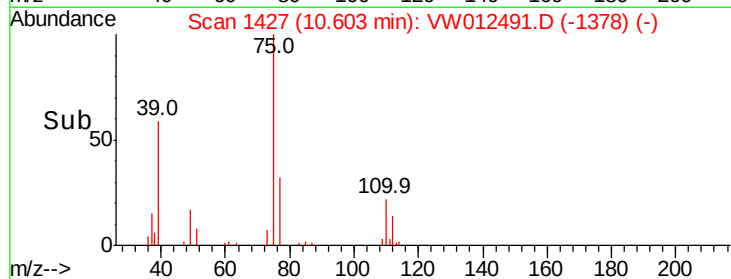
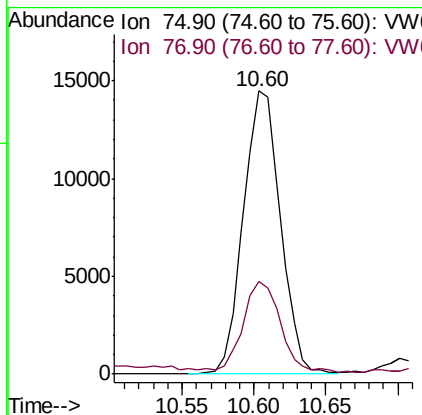
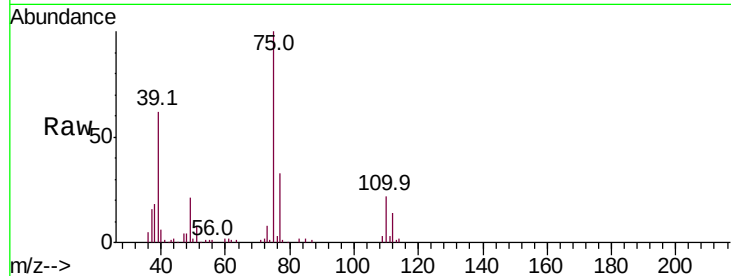
#53
 t-1,3-Dichloropropene
 Concen: 9.439 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4

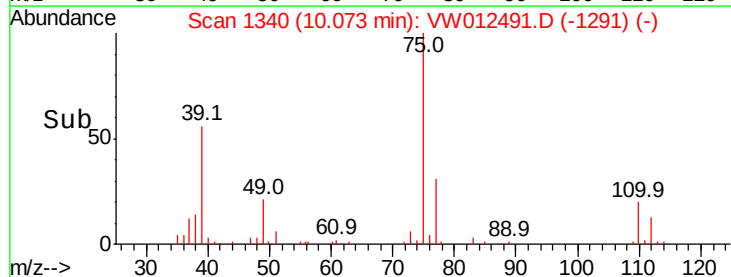
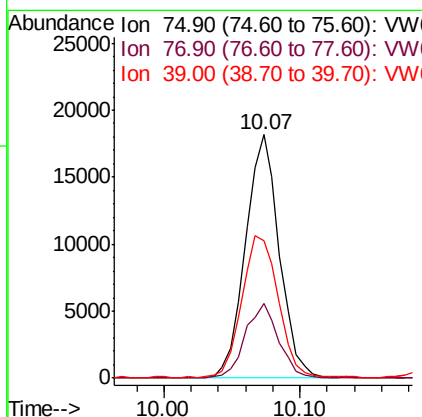
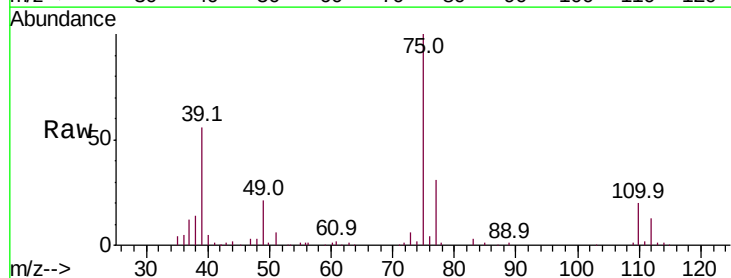
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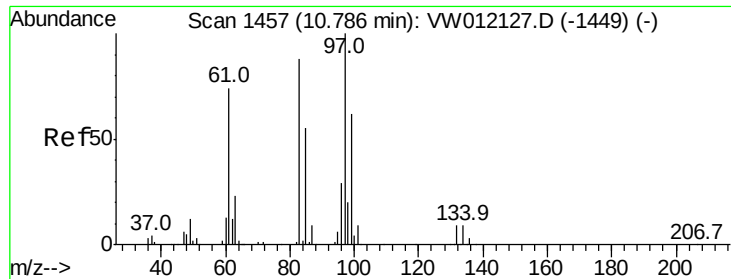
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#54
 cis-1,3-Dichloropropene
 Concen: 9.550 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	55.8	48.3	72.5





#55

1,1,2-Trichloroethane

Concen: 9.683 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

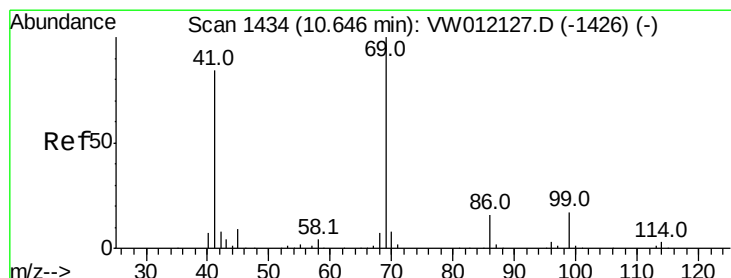
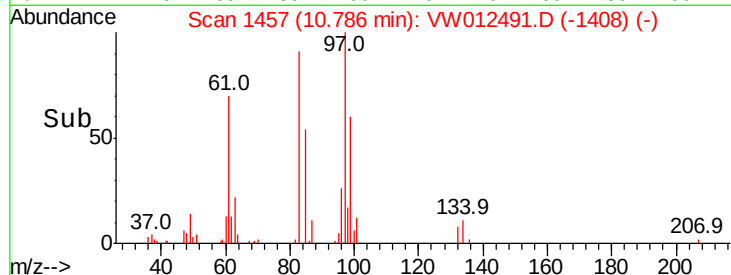
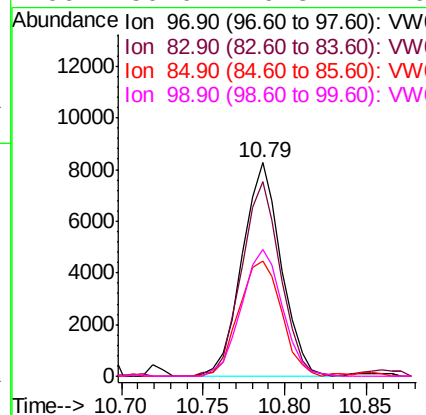
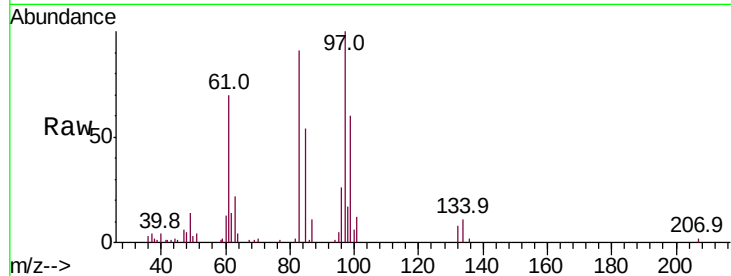
ClientSampleId :

VW0902SBSD01

Tot Ion:	97	Resp:	13815
Ion	Ratio	Lower	Upper
97	100		
83	91.4	70.8	106.2
85	54.1	43.8	65.8
99	59.6	49.8	74.6

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#56

Ethyl methacrylate

Concen: 9.095 ug/l

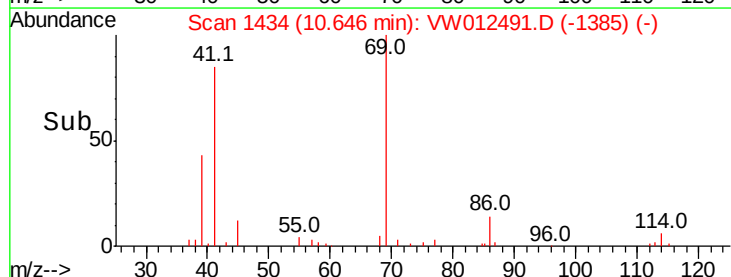
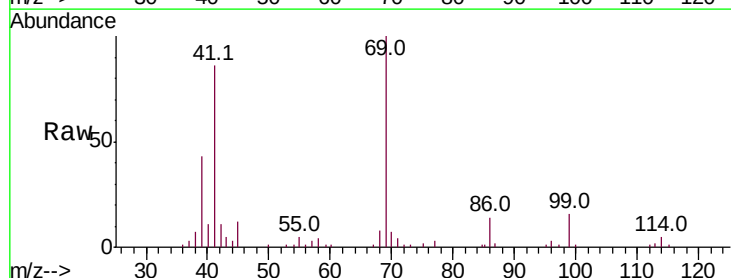
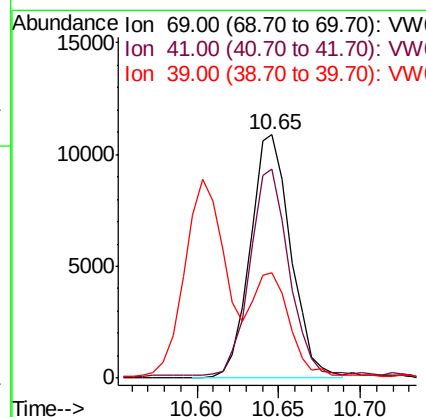
RT: 10.65 min Scan# 1434

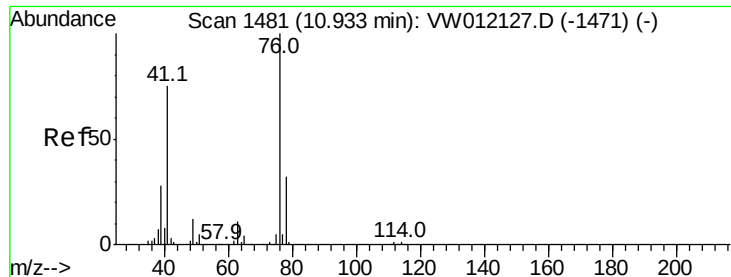
Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion:	69	Resp:	18885
Ion	Ratio	Lower	Upper
69	100		
41	81.9	66.5	99.7
39	39.7	31.0	46.4





#57

1,3-Dichloropropane

Concen: 9.813 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampled :

VW0902SBSD01

Tot Ion: 76 Resp: 26456

Ion Ratio Lower Upper

76 100

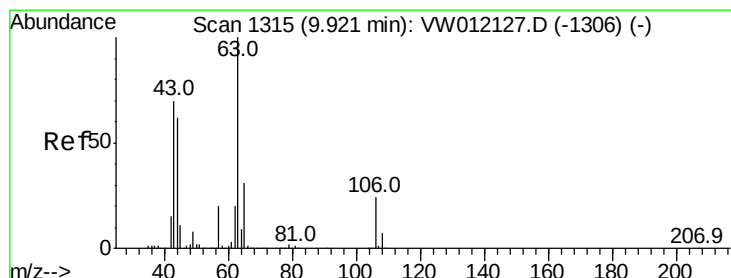
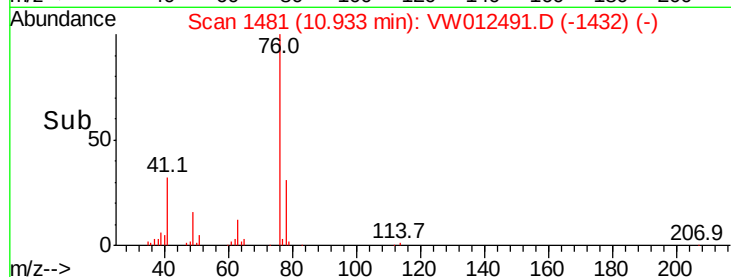
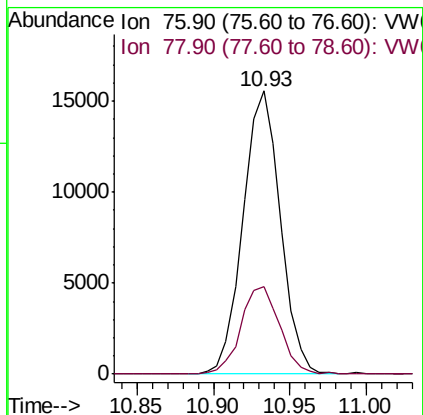
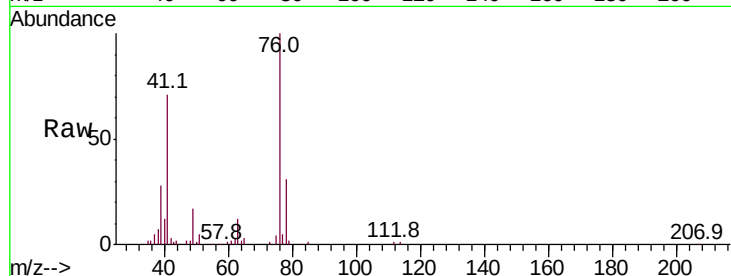
78 32.1 25.8 38.8

Manual Integrations

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9/3/2019 10:56:18 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.920 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012491.D

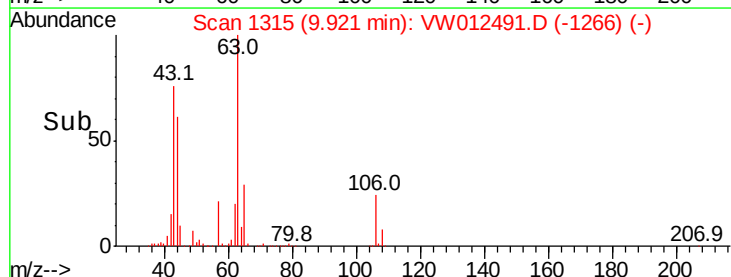
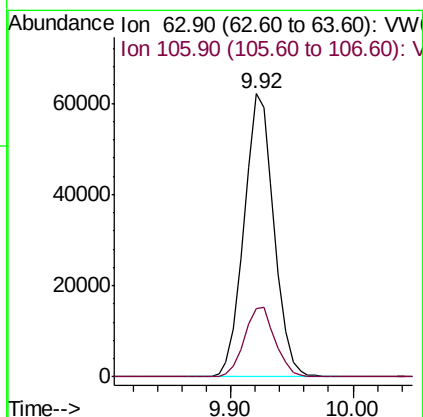
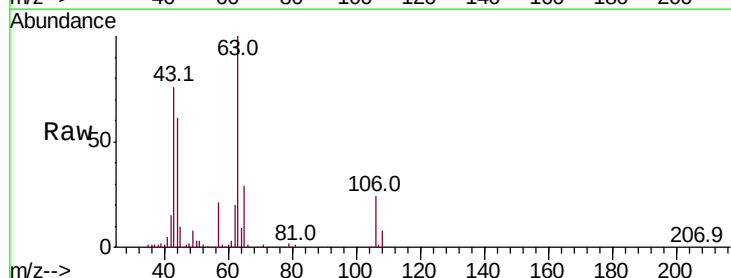
Acq: 02 Sep 2019 11:50

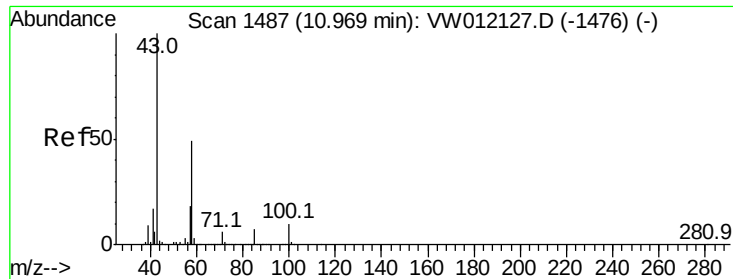
Tgt Ion: 63 Resp: 105416

Ion Ratio Lower Upper

63 100

106 25.2 19.8 29.8





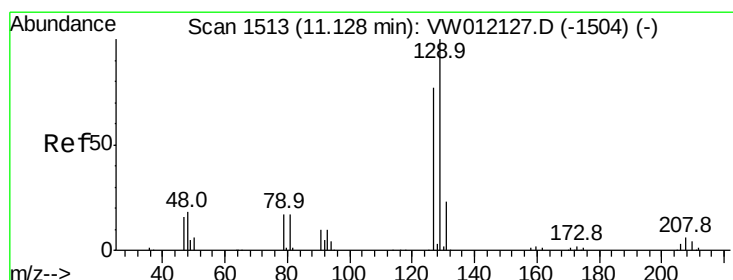
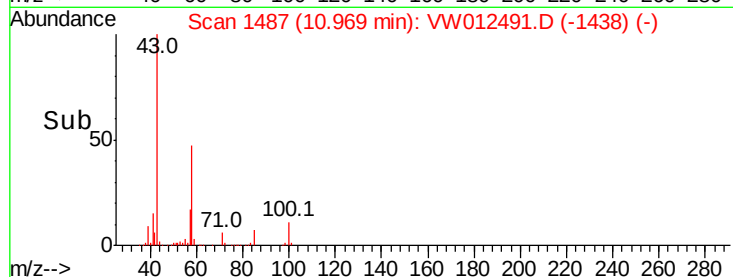
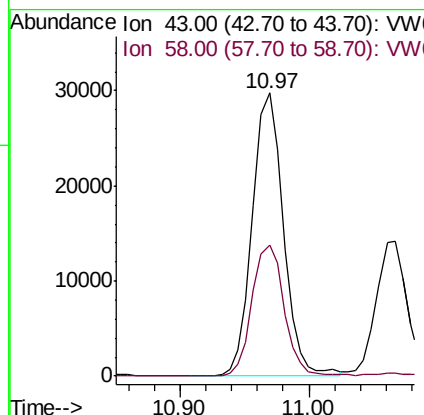
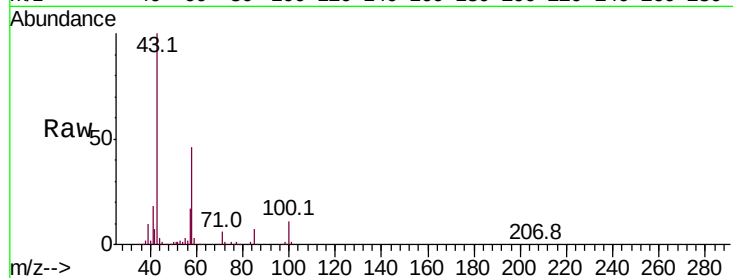
#59
2-Hexanone
Concen: 44.168 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	24.3	72.9

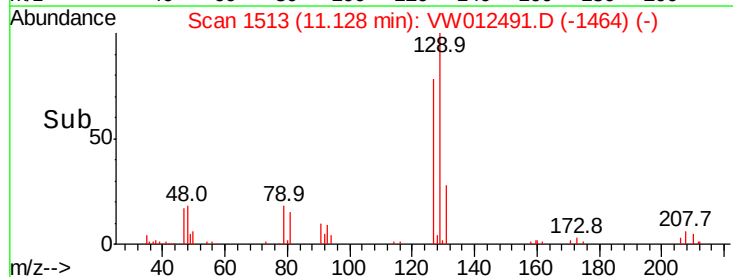
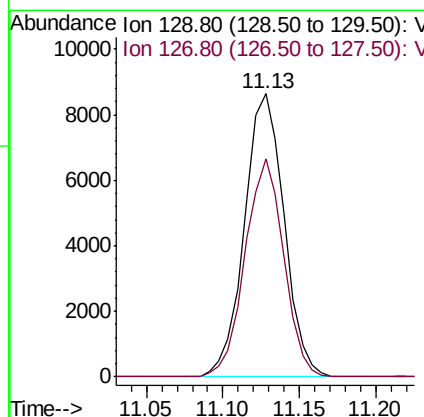
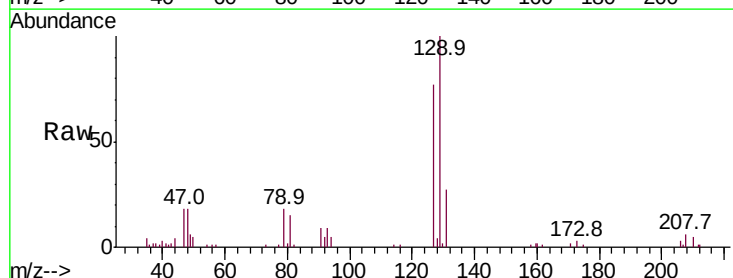
Manual Integrations
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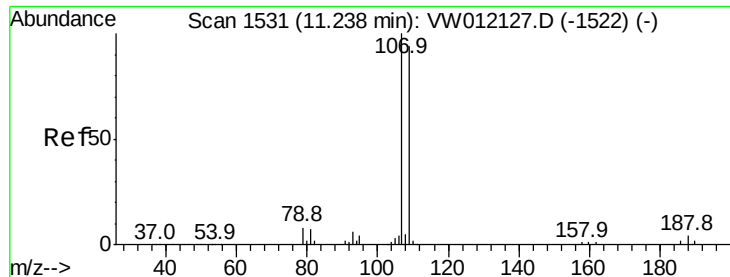
MMDadoda
9/3/2019 10:56:18 AM



#60
Dibromochloromethane
Concen: 9.816 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	38.6	115.8





#61

1,2-Dibromoethane

Concen: 9.603 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 107 Resp: 12764

Ion Ratio Lower Upper

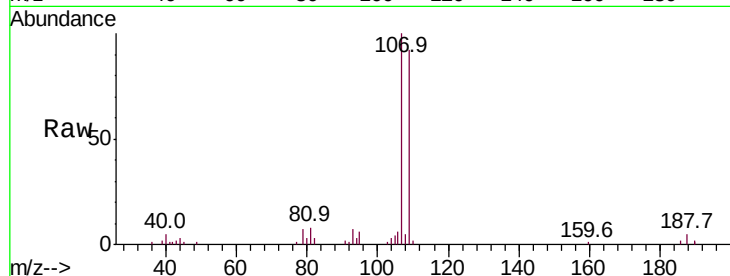
107 100

109 98.2 75.4 113.2

Manual Integrations
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MMDadoda

9/3/2019 10:56:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

8000

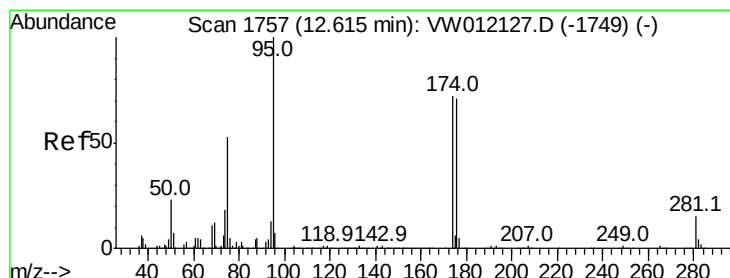
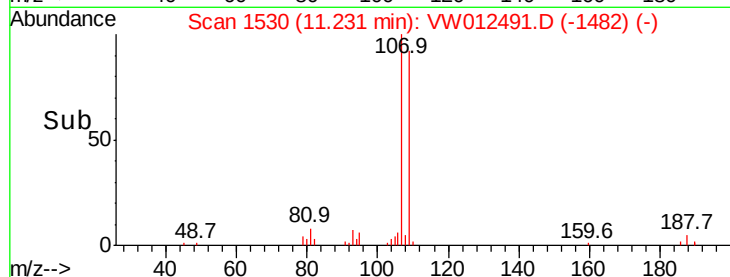
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 52.051 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

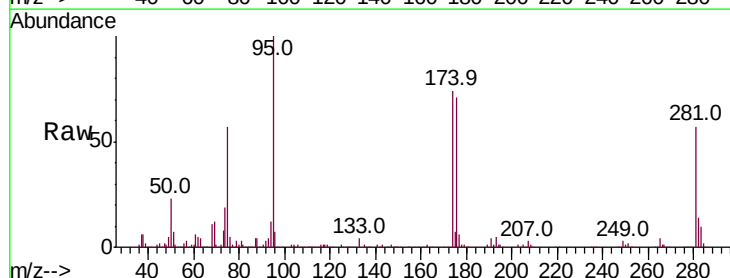
Tgt Ion: 95 Resp: 132523

Ion Ratio Lower Upper

95 100

174 78.2 0.0 150.8

176 74.6 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

100000

80000

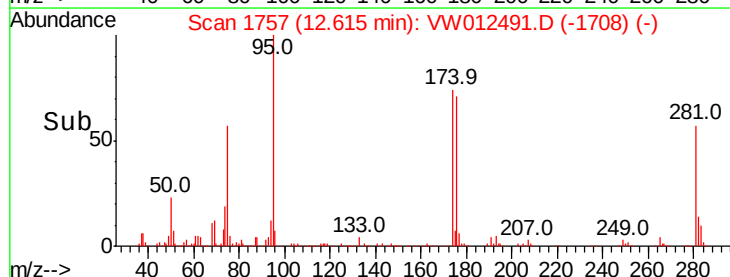
60000

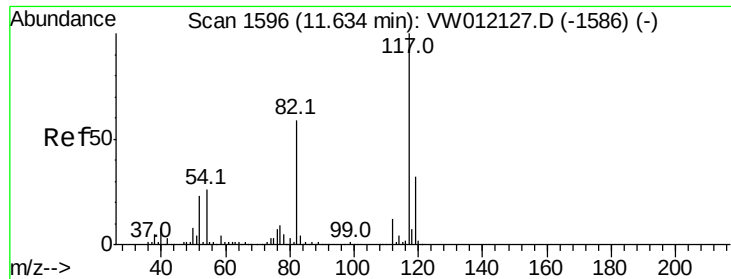
40000

20000

0

Time--> 12.60 12.70





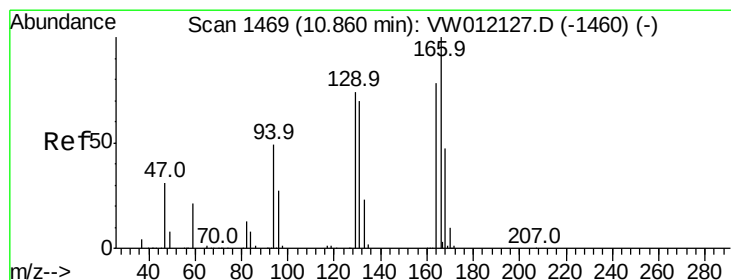
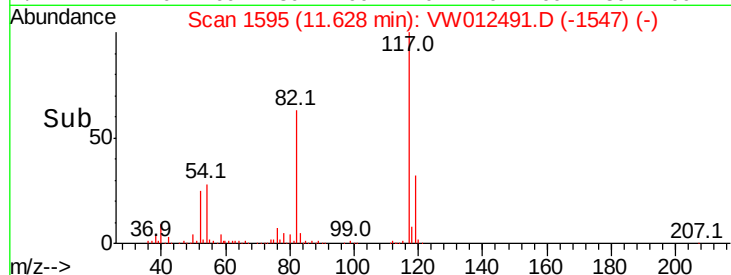
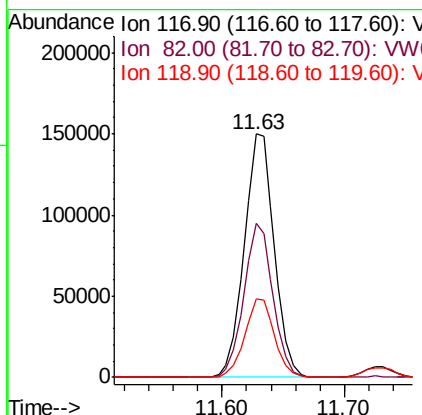
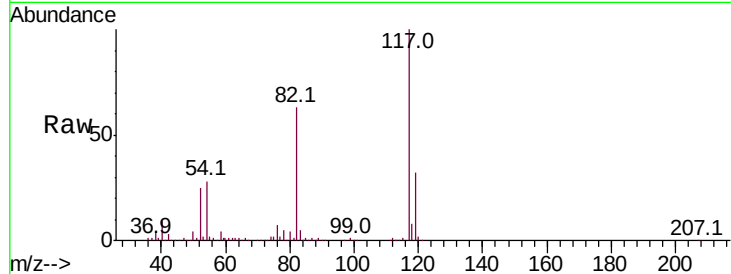
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254162		
82	63.3	47.4	71.2	
119	32.1	25.4	38.2	

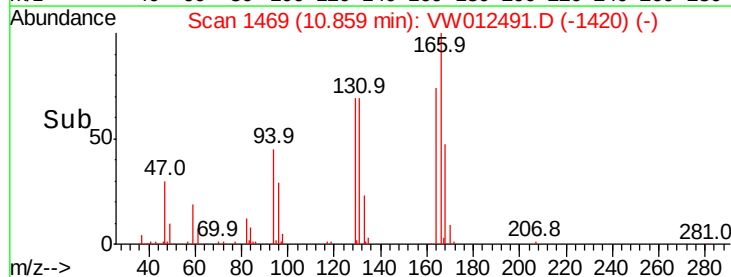
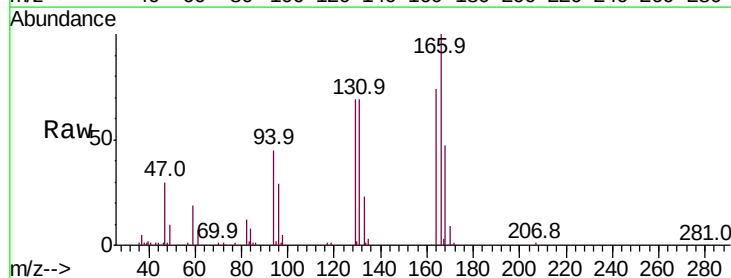
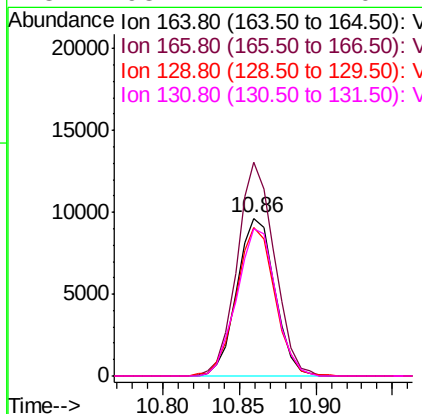
Manual Integrations
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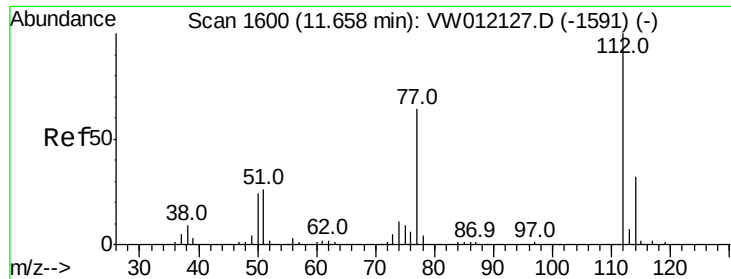
MMDadoda
9/3/2019 10:56:18 AM



#64
Tetrachloroethene
Concen: 10.033 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16533		
166	135.5	102.4	153.6	
129	94.1	75.8	113.6	
131	93.7	71.4	107.2	





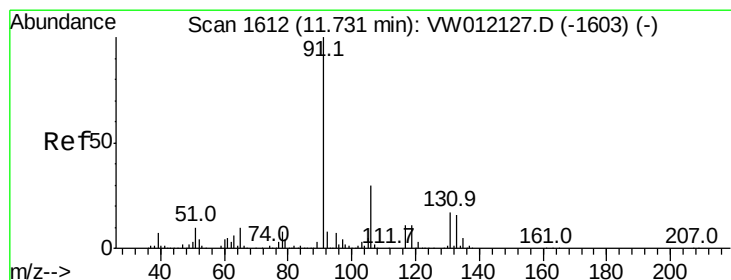
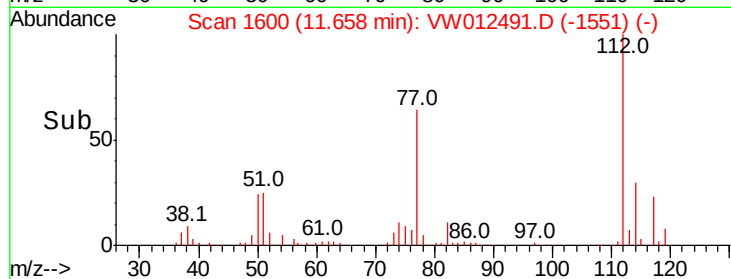
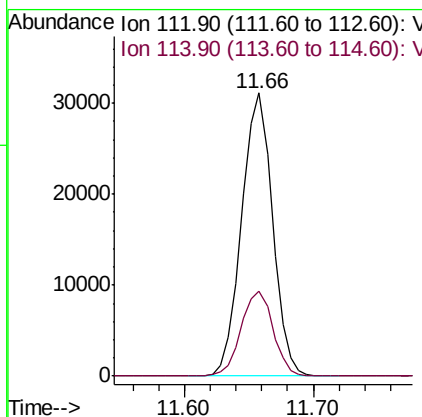
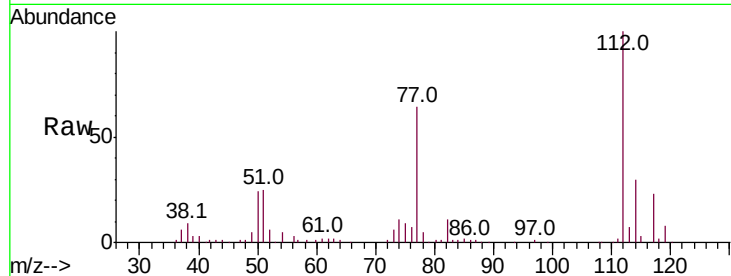
#65
Chlorobenzene
Concen: 10.322 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion:112 Resp: 51656
Ion Ratio Lower Upper
112 100
114 30.0 25.8 38.6

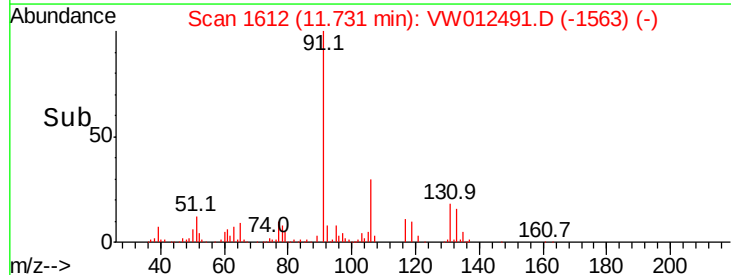
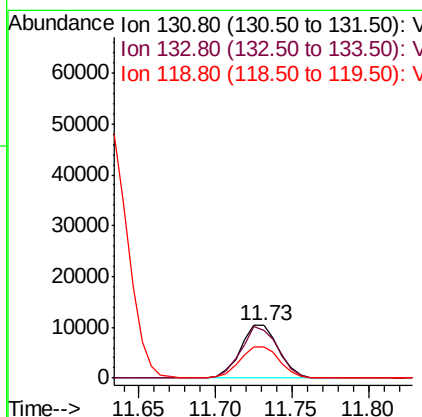
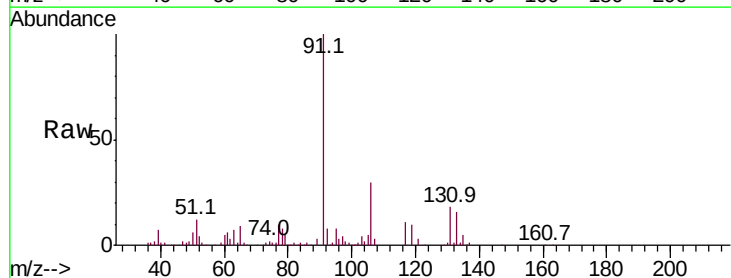
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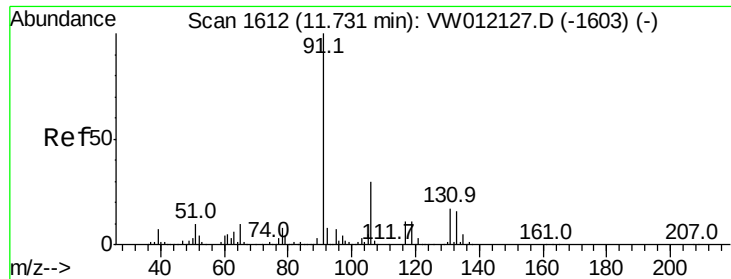
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.298 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion:131 Resp: 17980
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.3
119 62.3 31.8 95.3





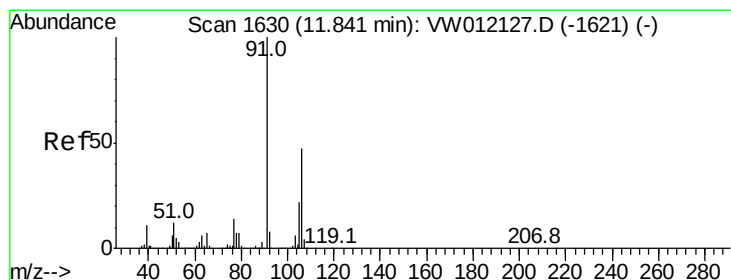
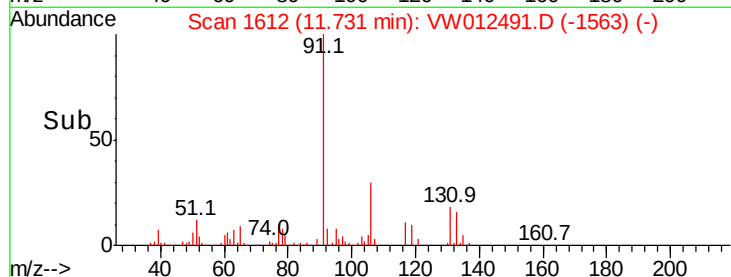
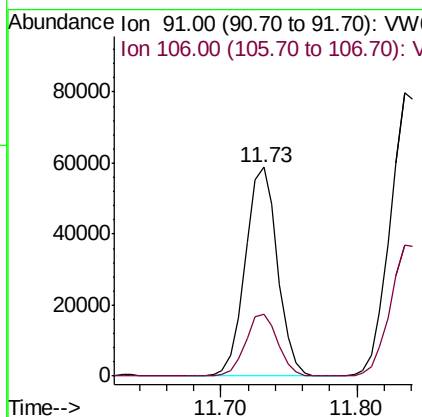
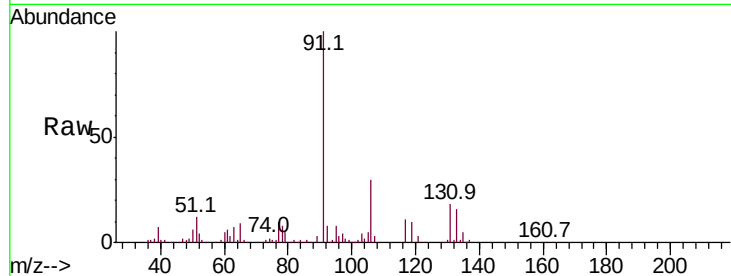
#67
Ethyl Benzene
Concen: 10.111 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS01

Tot Ion: 91 Resp: 97481
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5

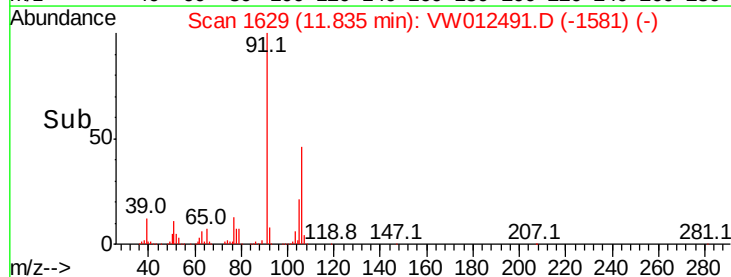
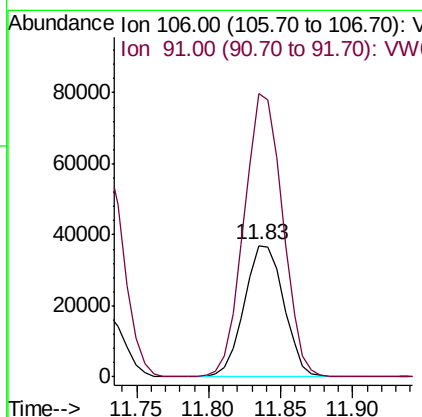
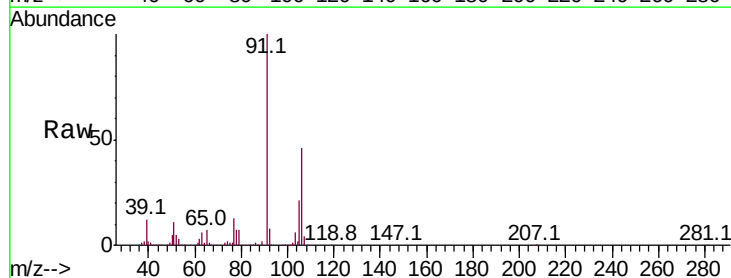
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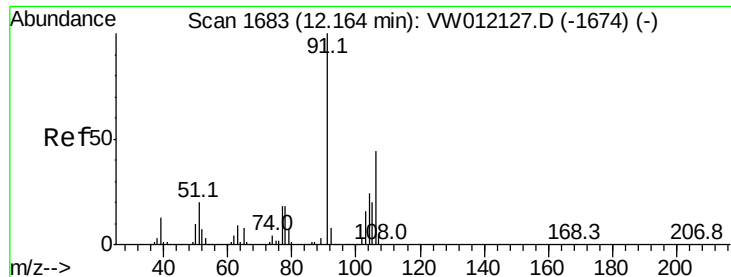
MMDadoda
9/3/2019 10:56:18 AM



#68
m/p-Xylenes
Concen: 20.280 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion: 106 Resp: 70427
Ion Ratio Lower Upper
106 100
91 211.1 169.5 254.3





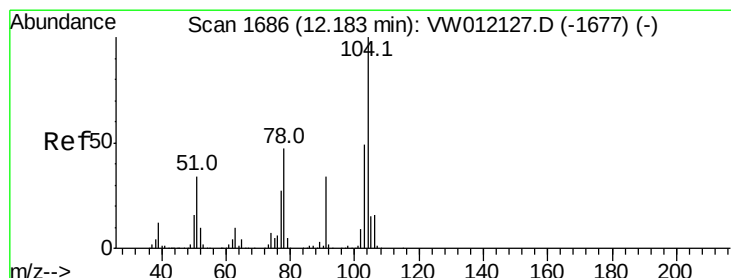
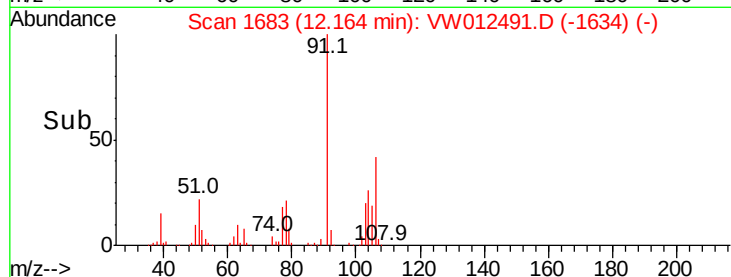
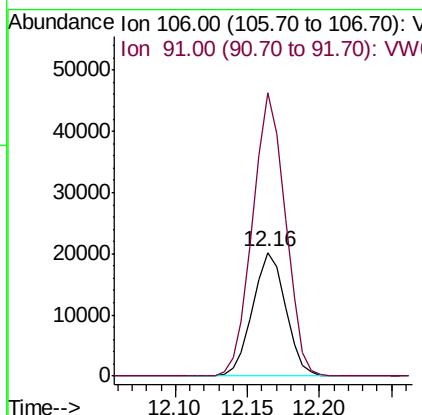
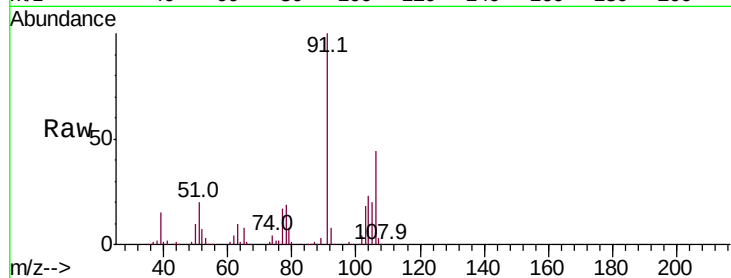
#69
o-Xylene
Concen: 9.962 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	228.6	111.6	334.6

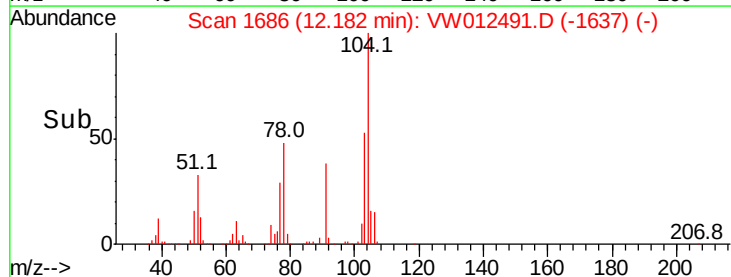
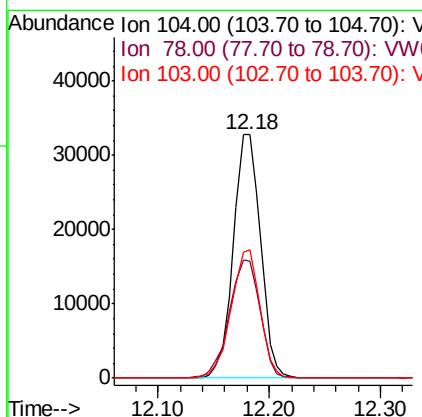
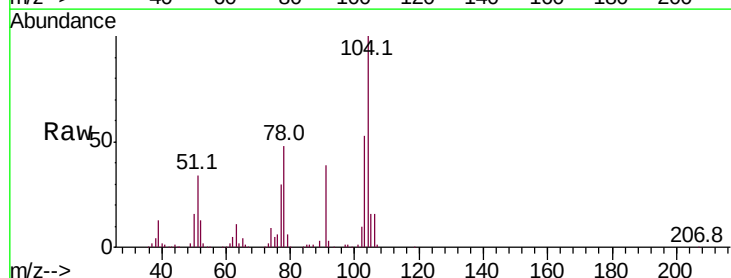
Manual Integrations
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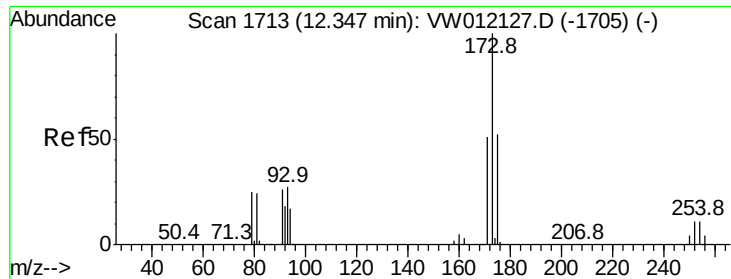
MMDadoda
9/3/2019 10:56:18 AM



#70
Styrene
Concen: 9.984 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.1	64.7
103	55.7	43.5	65.3





#71

Bromoform

Concen: 10.133 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion:173 Resp: 8814

Ion Ratio Lower Upper

173 100

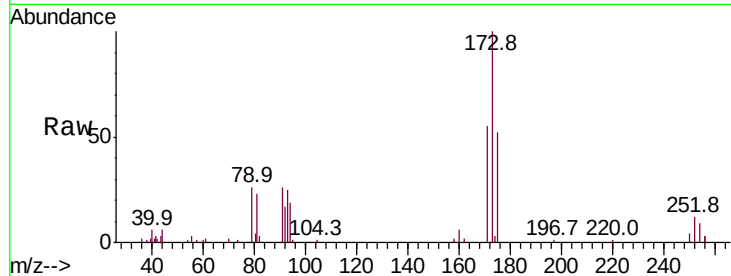
175 48.5 24.6 74.0

254 0.0 0.2 0.2#

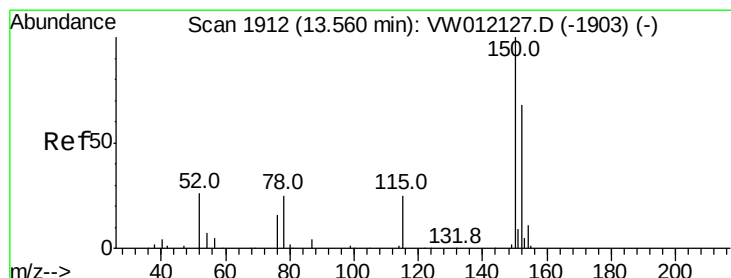
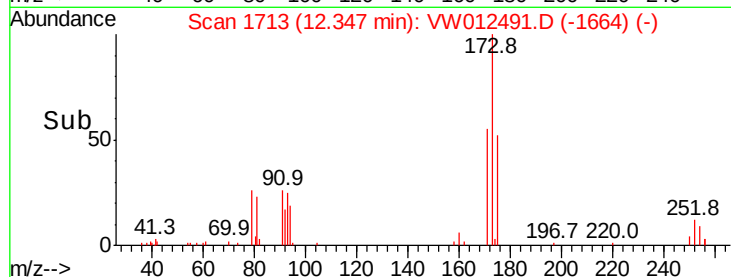
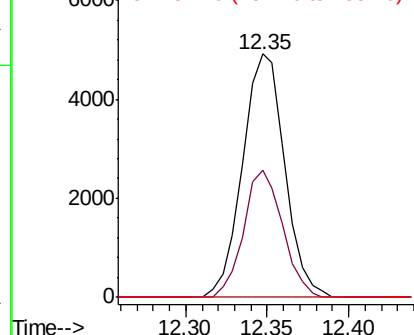
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

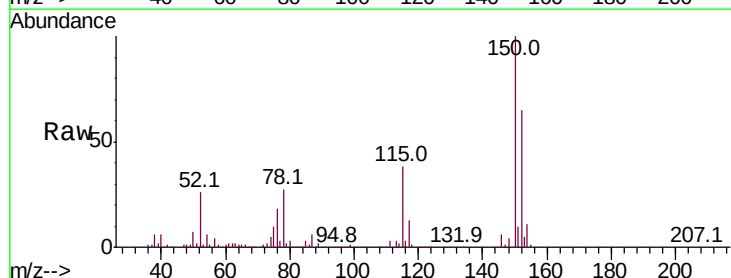
Tgt Ion:152 Resp: 123982

Ion Ratio Lower Upper

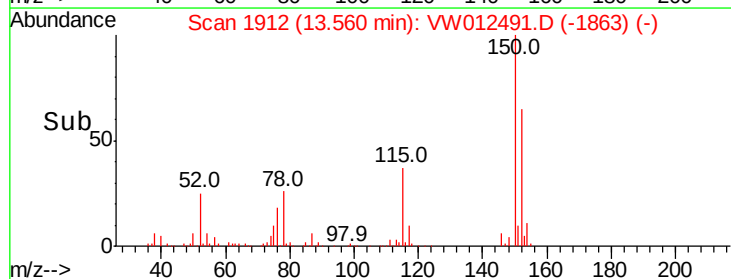
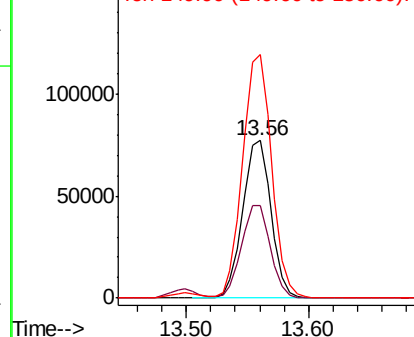
152 100

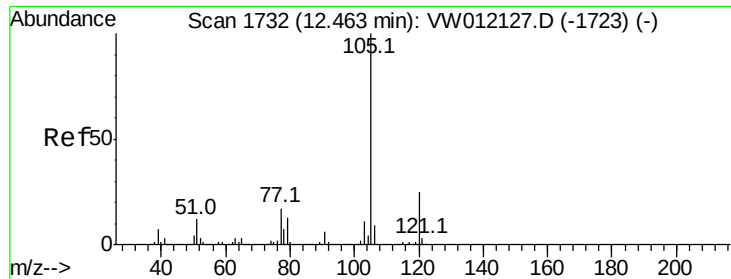
115 59.7 30.1 90.3

150 158.8 0.0 345.8



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





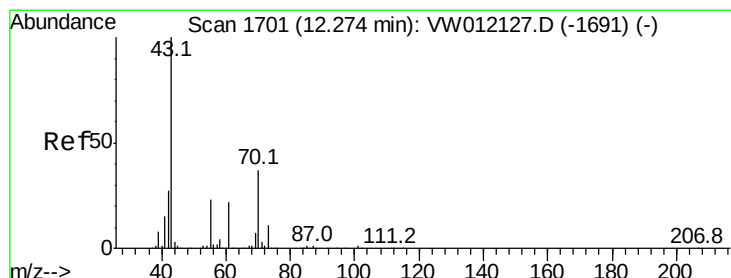
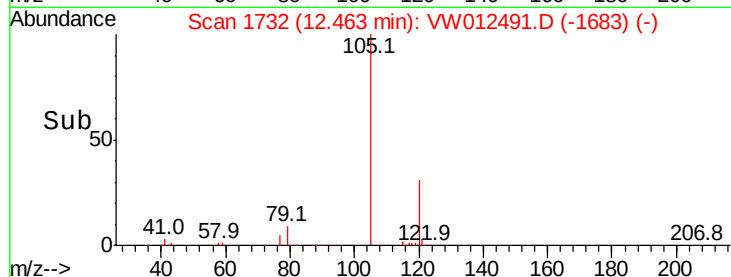
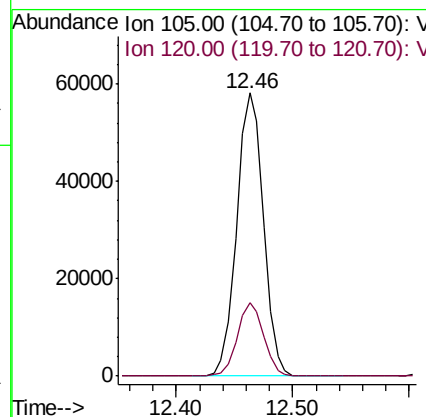
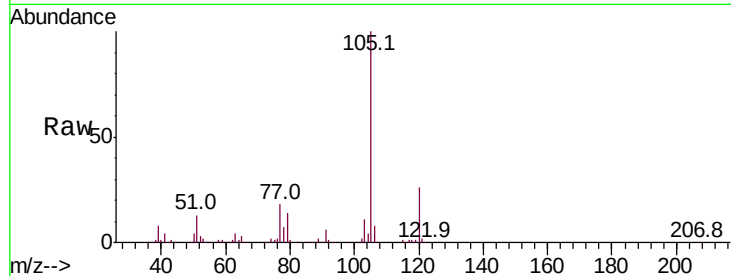
#73
Isopropylbenzene
Concen: 9.994 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.5	37.5

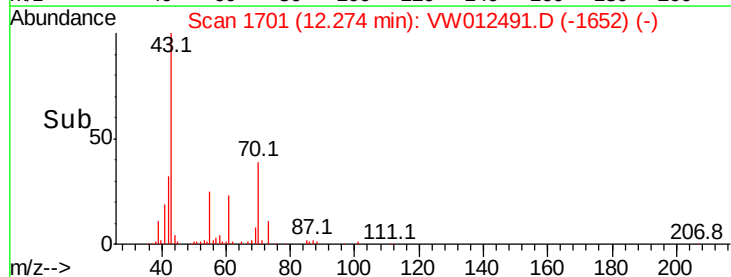
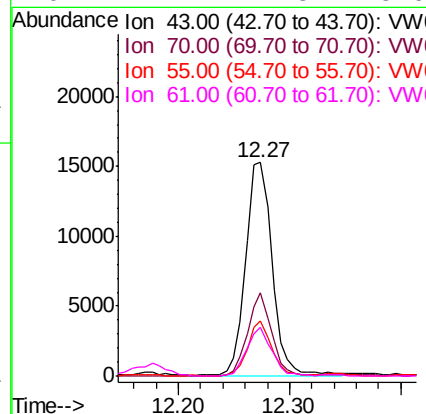
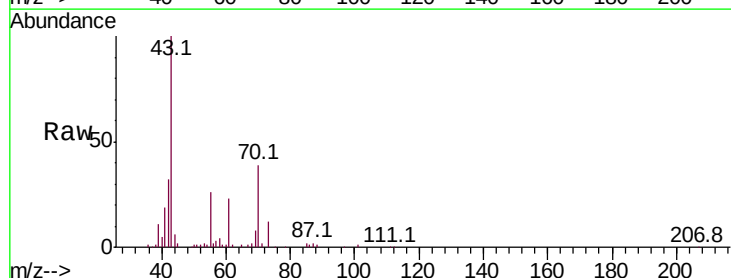
Manual Integrations
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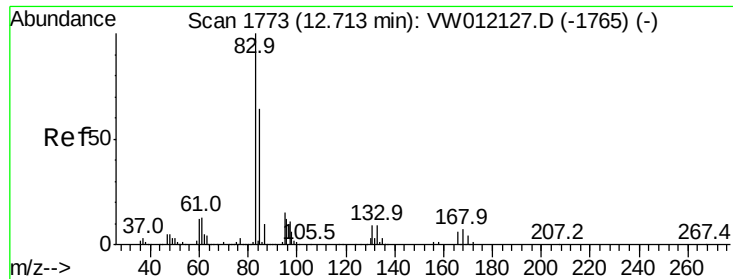
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#74
N-ethyl acetate
Concen: 9.141 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.4	28.6	43.0
55	22.8	17.8	26.6
61	21.2	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 9.564 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

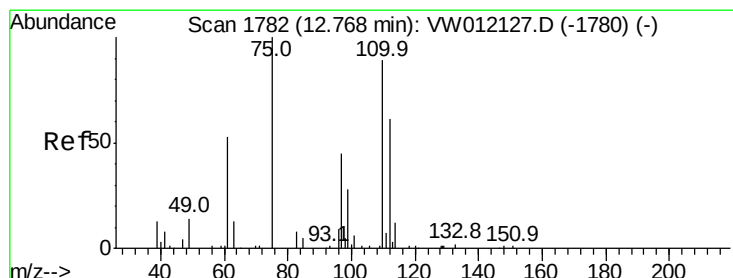
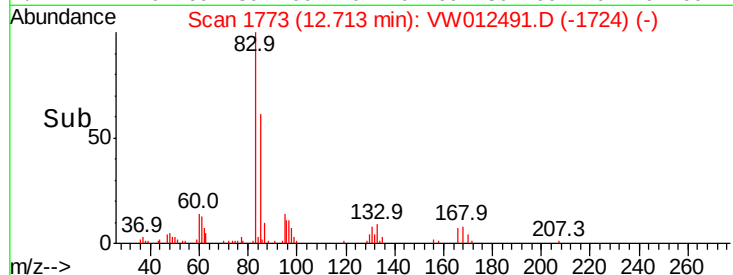
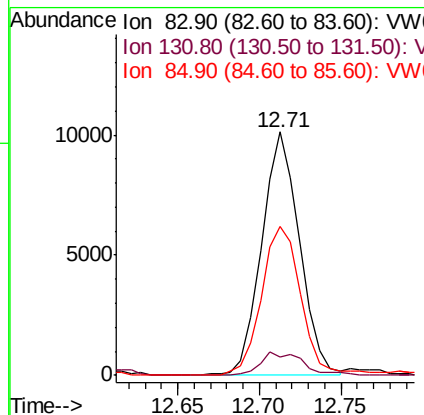
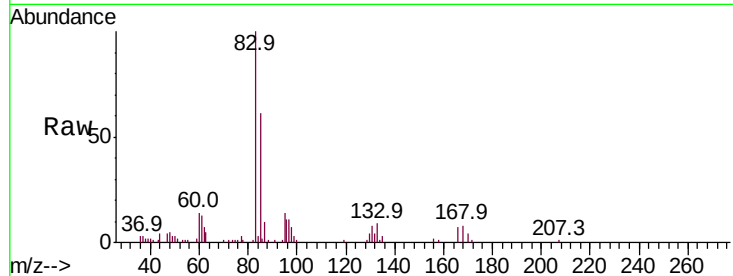
ClientSampled :

VW0902SBSD01

Tot Ion:	83	Resp:	16289
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.9	14.7
85	66.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 11.039 ug/l m

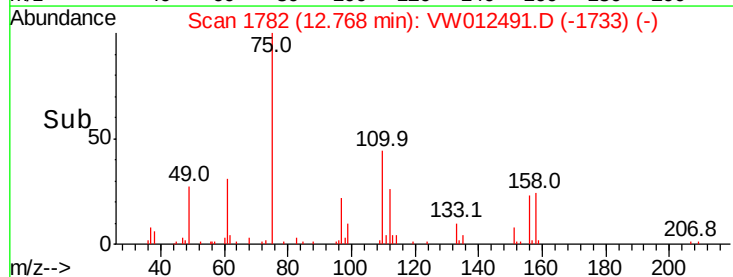
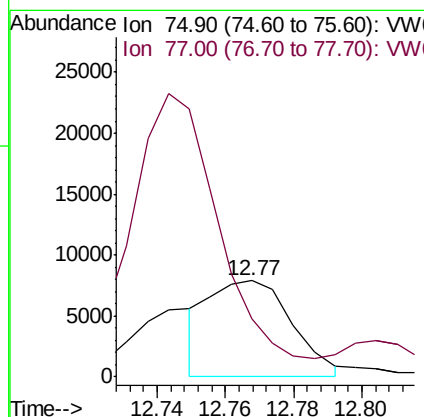
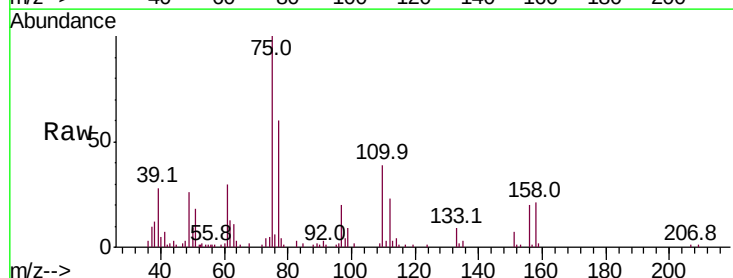
RT: 12.77 min Scan# 1782

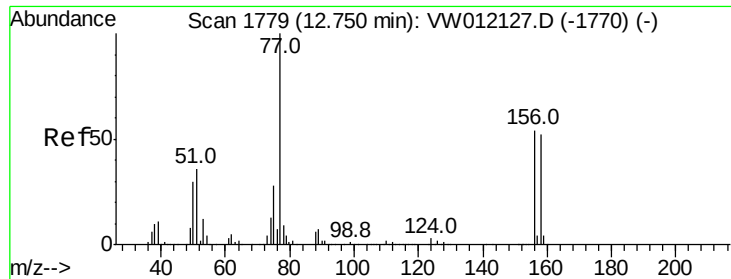
Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion:	75	Resp:	13329
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.054 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion:156 Resp: 20207

Ion Ratio Lower Upper

156 100

77 212.8 107.3 321.8

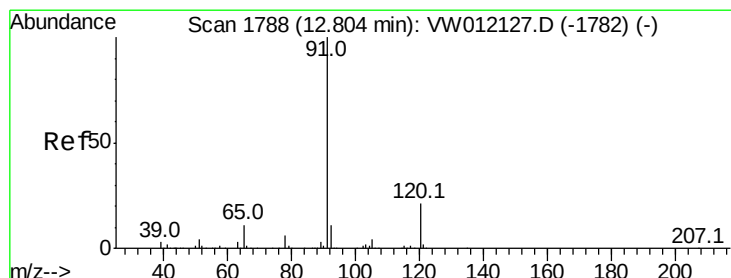
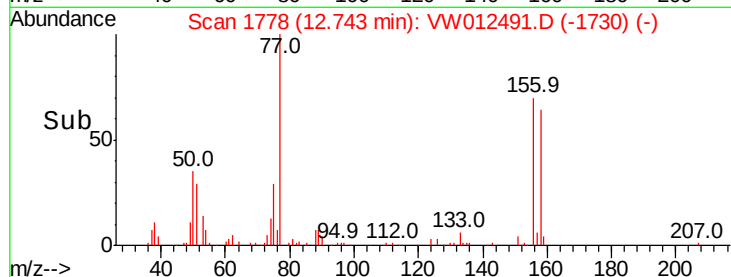
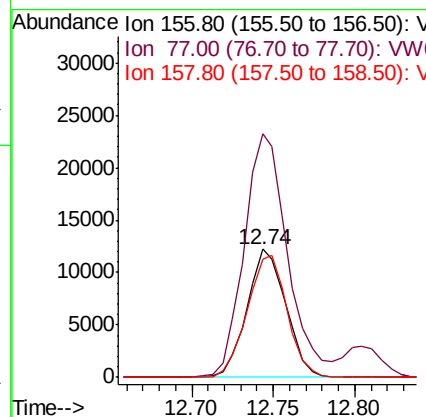
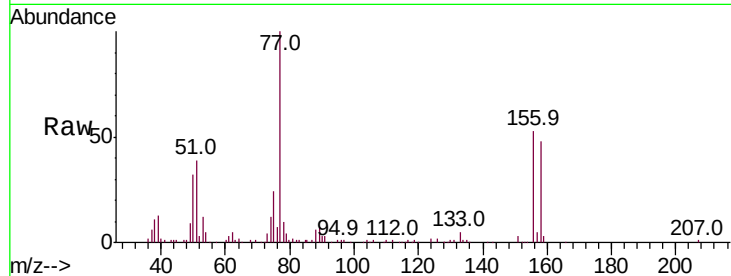
158 97.4 49.0 147.0

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#78

n-propylbenzene

Concen: 10.030 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012491.D

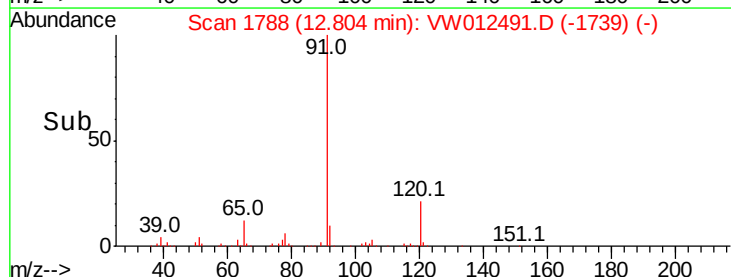
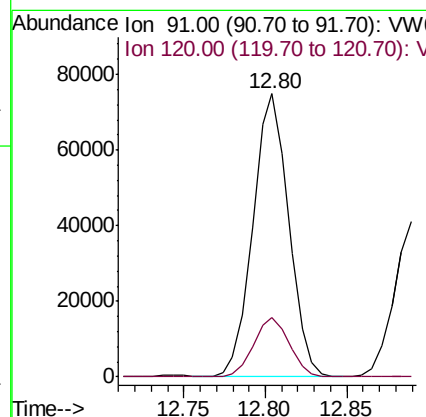
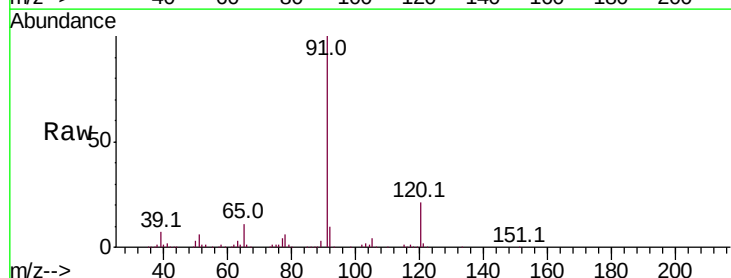
Acq: 02 Sep 2019 11:50

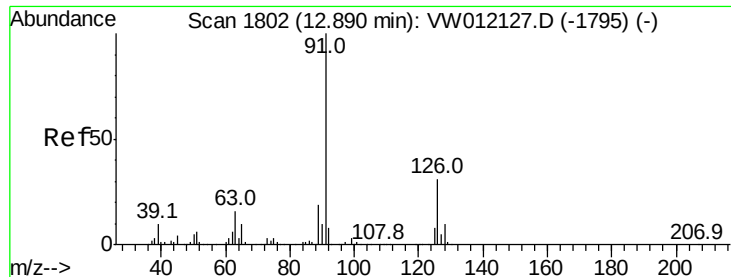
Tgt Ion: 91 Resp: 113756

Ion Ratio Lower Upper

91 100

120 21.1 10.5 31.6





#79

2-Chlorotoluene

Concen: 10.208 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 91 Resp: 65729

Ion Ratio Lower Upper

91 100

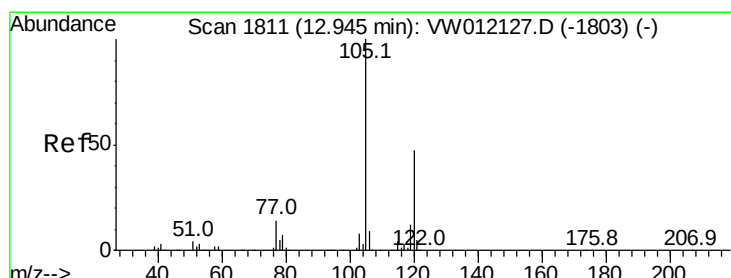
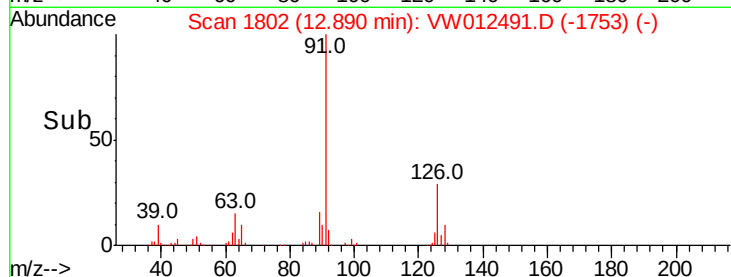
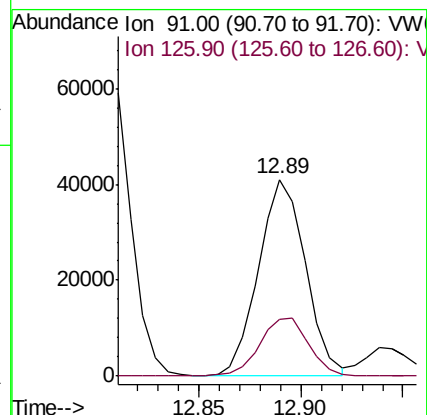
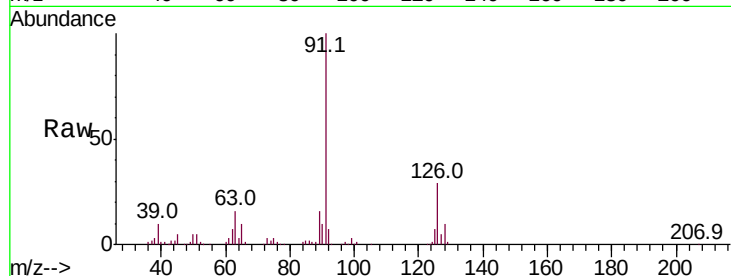
126 30.9 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 10.050 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012491.D

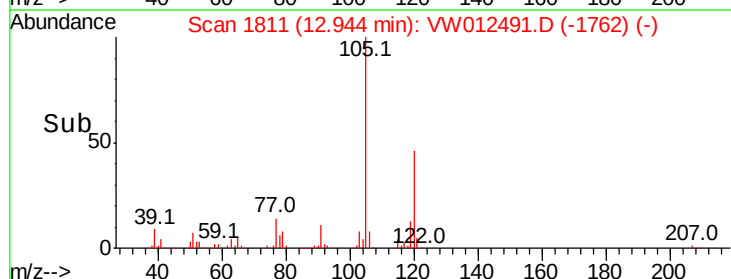
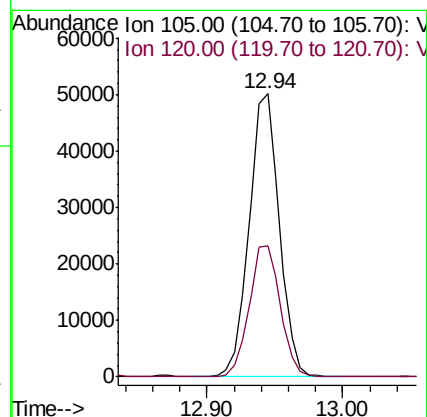
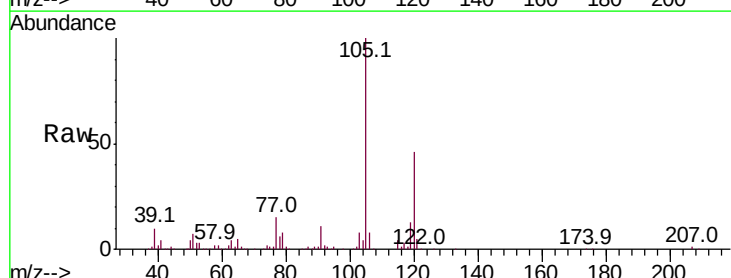
Acq: 02 Sep 2019 11:50

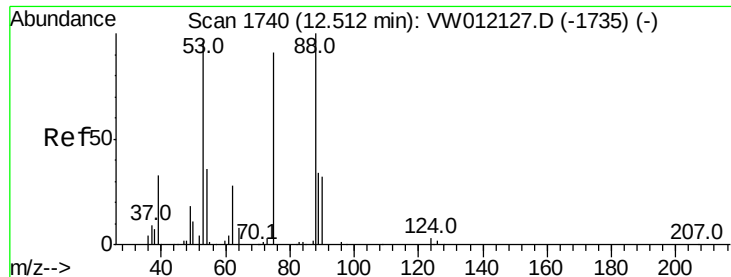
Tgt Ion:105 Resp: 78020

Ion Ratio Lower Upper

105 100

120 47.7 24.0 72.0





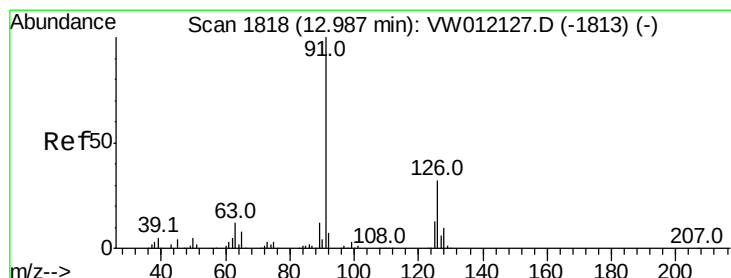
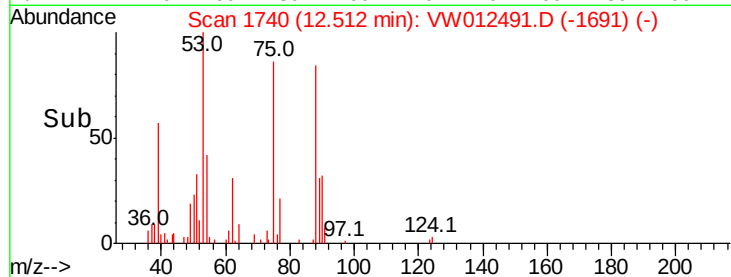
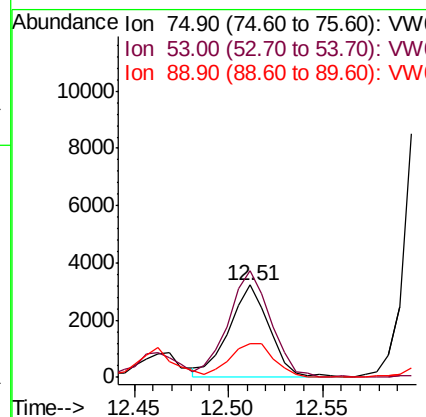
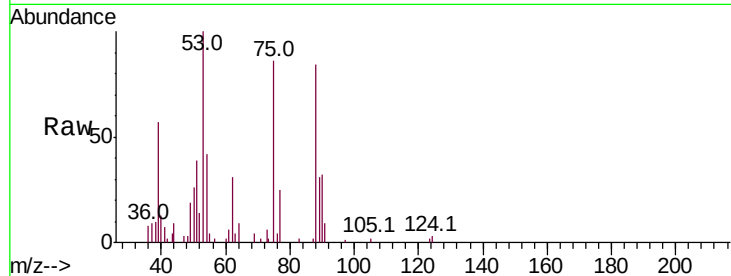
#81
trans-1,4-Dichloro-2-butene
Concen: 8.788 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.9	89.4	134.0
89	39.9	34.5	51.7

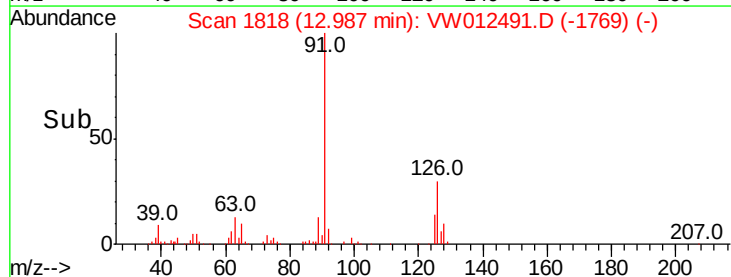
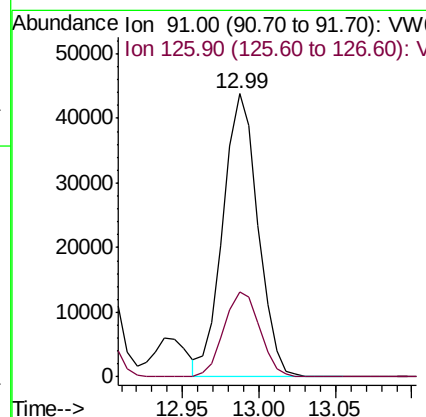
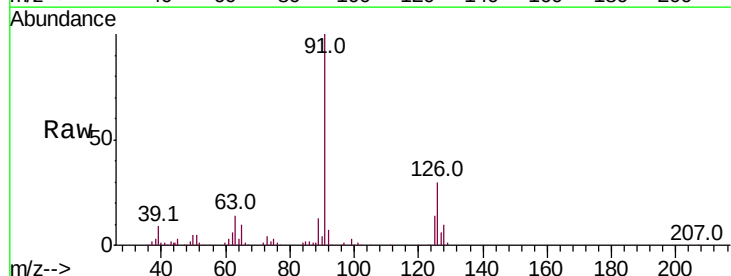
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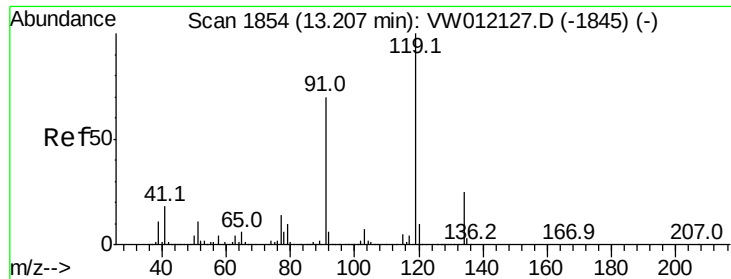
MMDadoda
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#82
4-Chlorotoluene
Concen: 10.346 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8





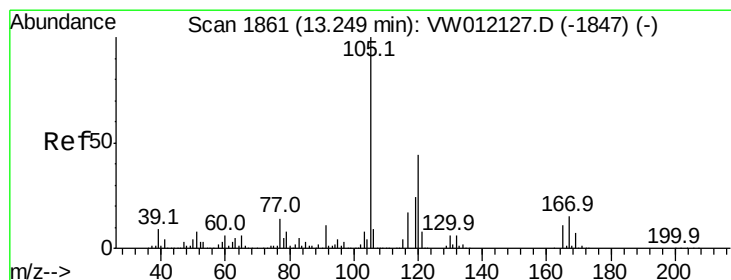
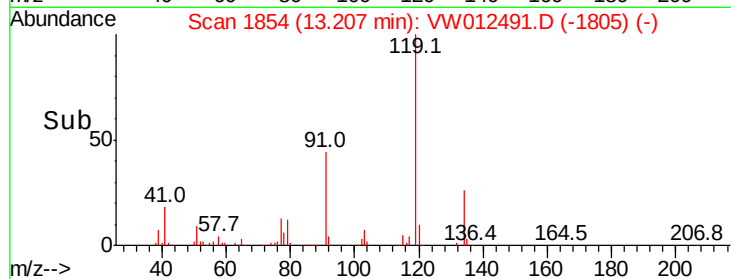
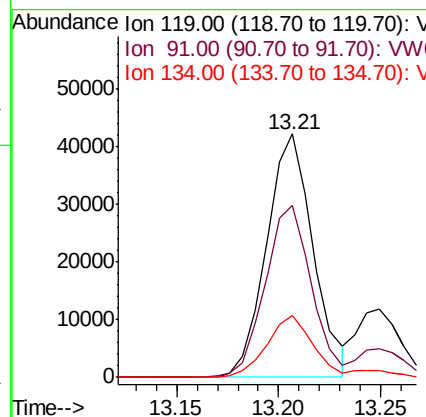
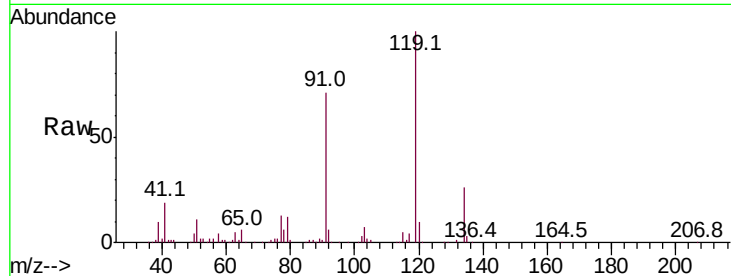
#83
tert-Butylbenzene
Concen: 10.219 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.8	104.3
134	25.2	13.3	39.8

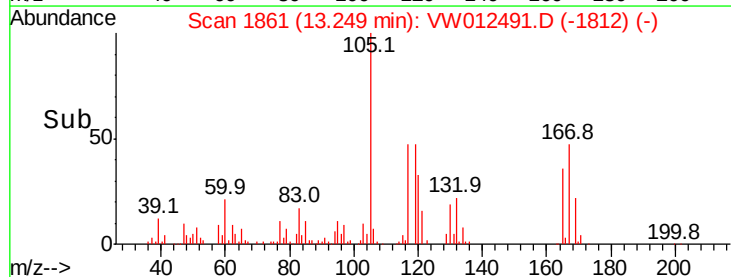
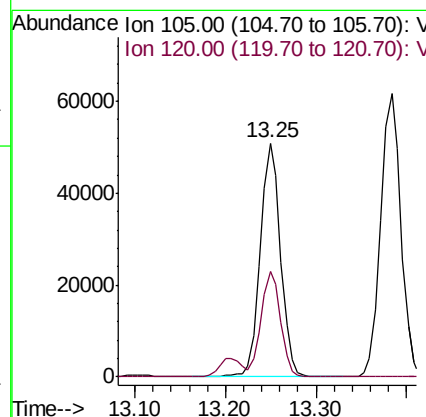
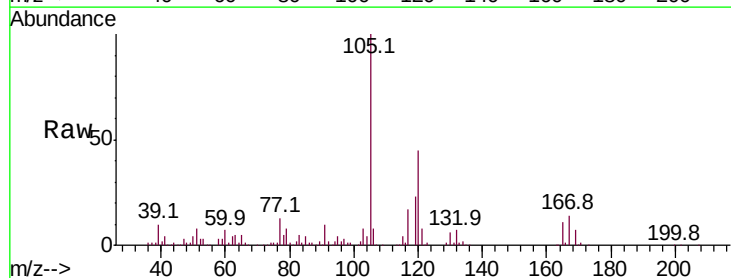
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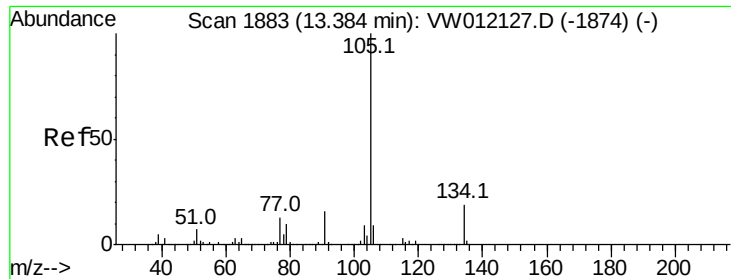
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#84
1,2,4-Trimethylbenzene
Concen: 10.136 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 10.115 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Instrument :

MSVOA_W

ClientSampled :

VW0902SBSD01

Tot Ion:105 Resp: 95296

Ion Ratio Lower Upper

105 100

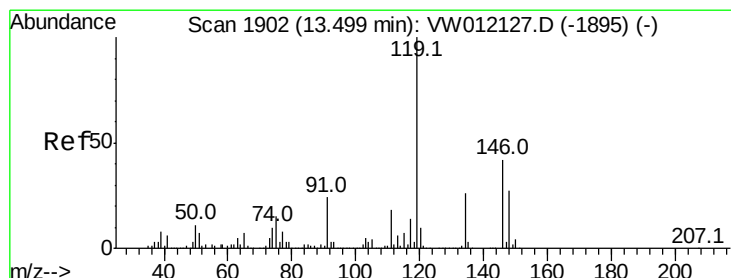
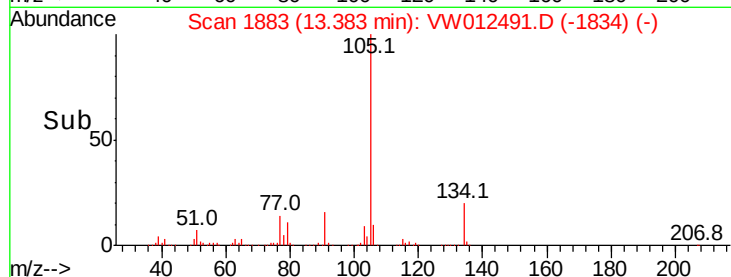
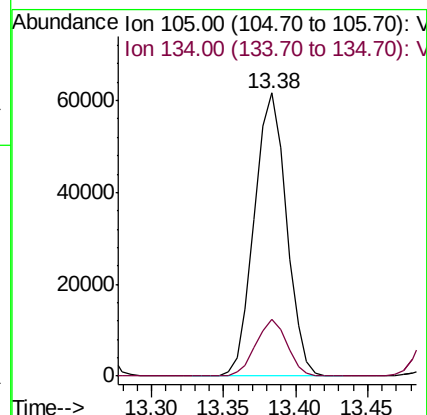
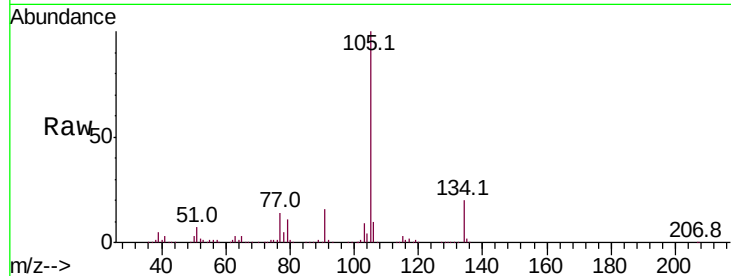
134 19.5 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 10.164 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

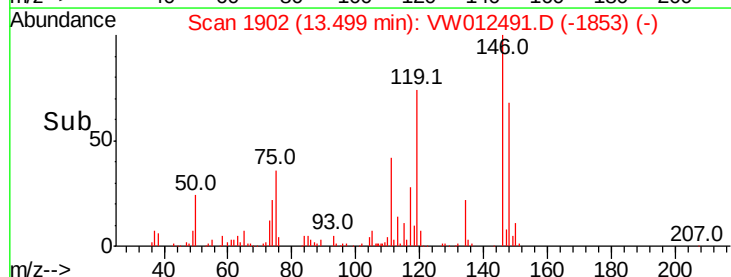
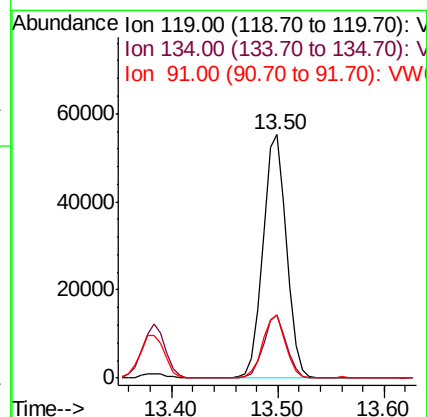
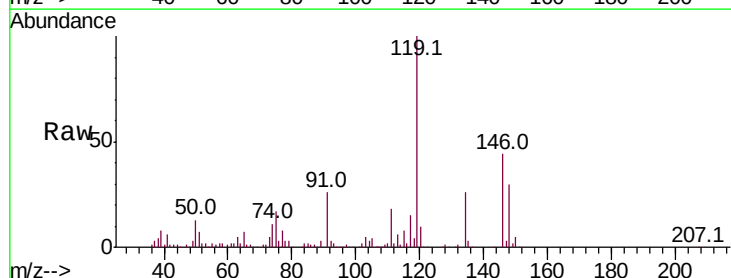
Tgt Ion:119 Resp: 85515

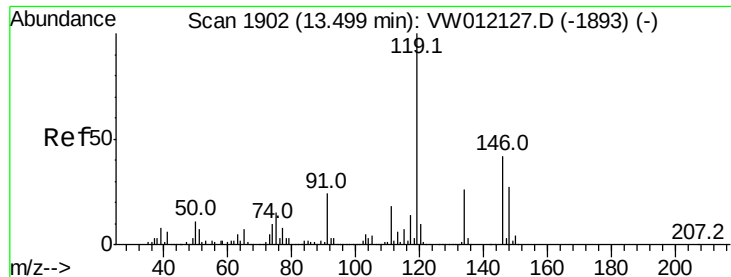
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 25.1 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 10.138 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

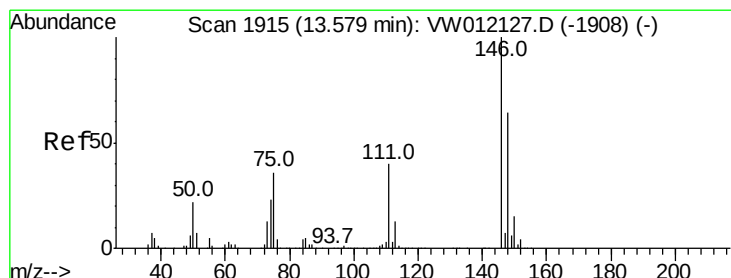
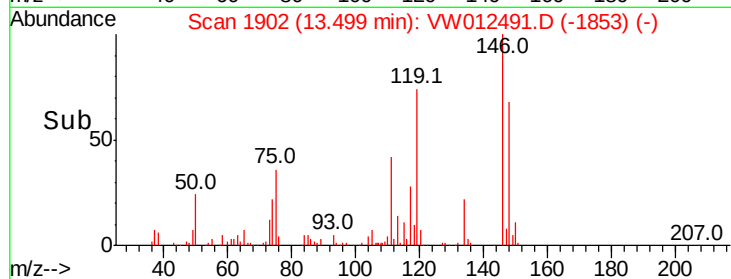
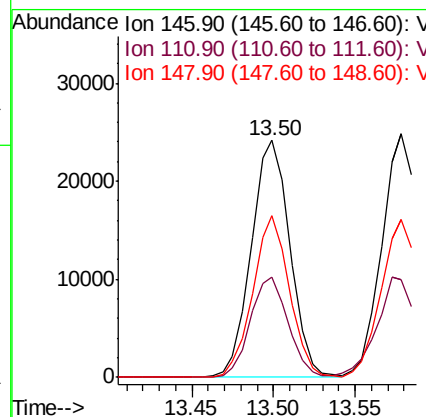
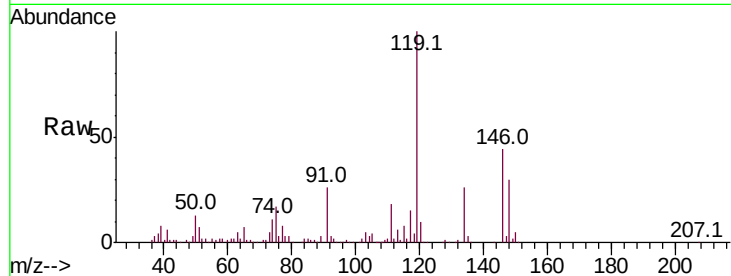
Instrument :
MSVOA_W

ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	20.9	62.7	
148	64.6	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 10.116 ug/l

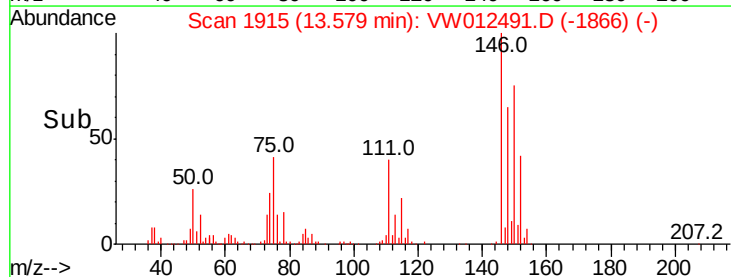
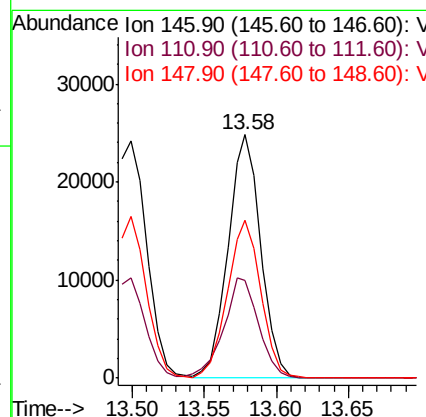
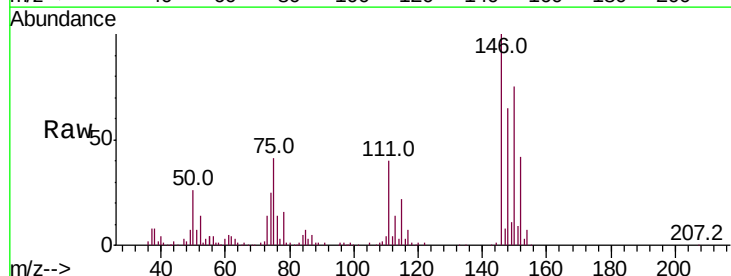
RT: 13.58 min Scan# 1915

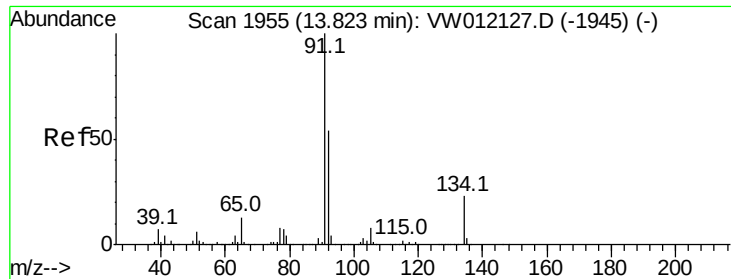
Delta R.T. -0.00 min

Lab File: VW012491.D

Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	44.1	20.0	60.0	
148	66.2	32.1	96.3	





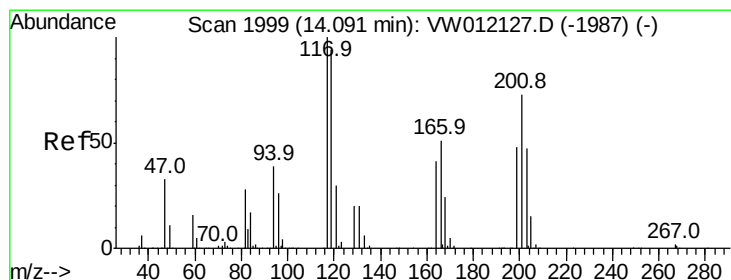
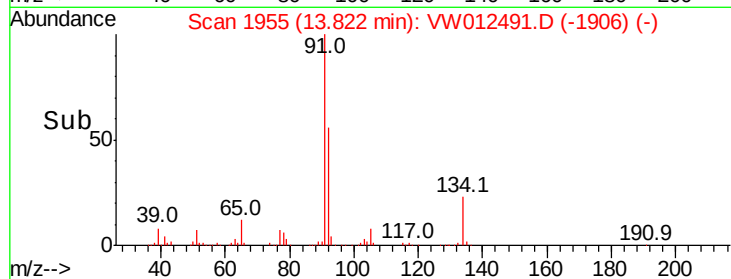
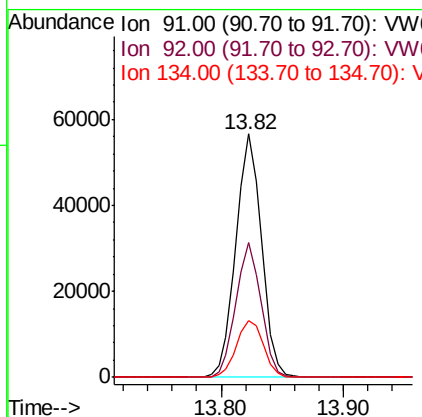
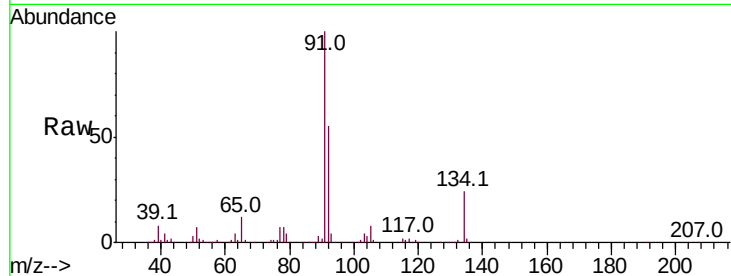
#89
n-Butylbenzene
Concen: 9.815 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	82121		
92	54.2		27.1	81.2
134	24.5		12.2	36.4

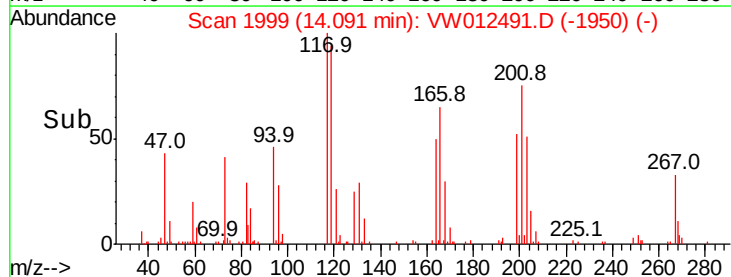
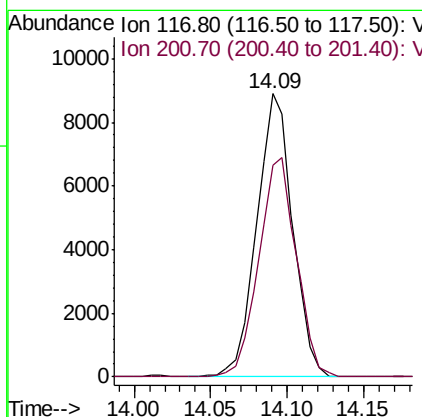
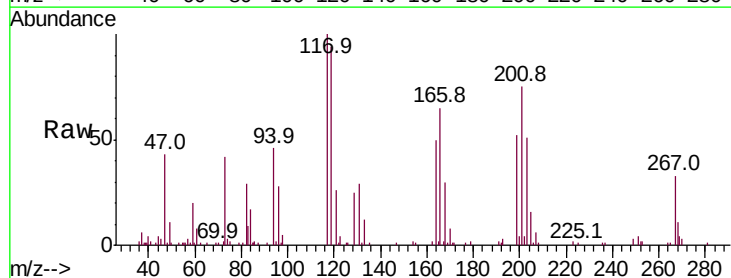
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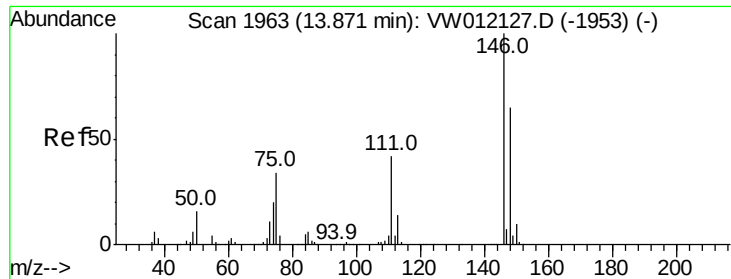
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#90
Hexachloroethane
Concen: 9.845 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	14532		
201	80.9		38.6	115.7





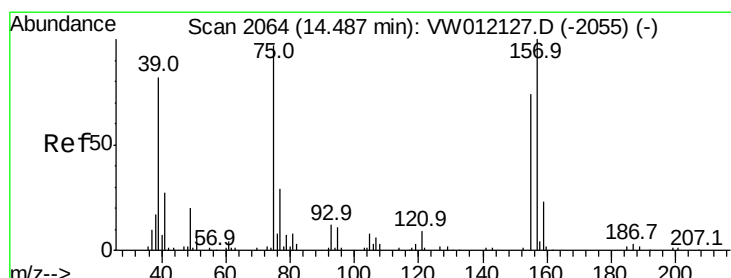
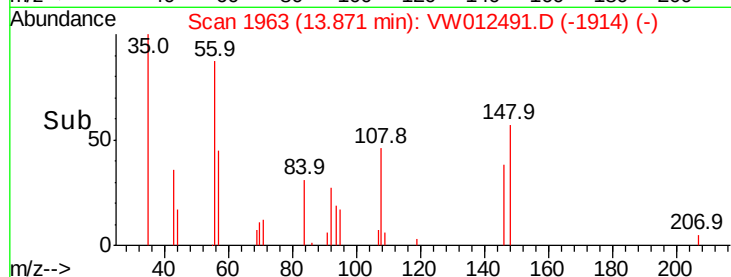
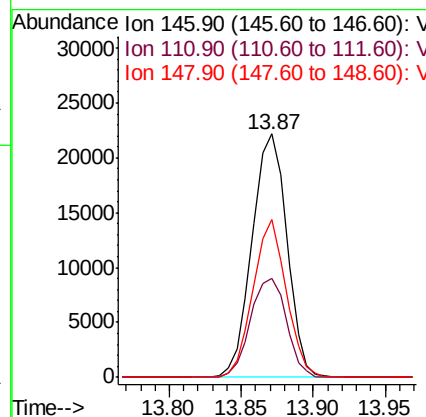
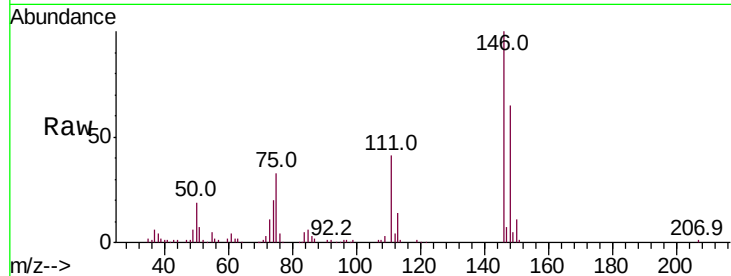
#91
 1,2-Dichlorobenzene
 Concen: 10.762 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	61.7	32.5	97.4

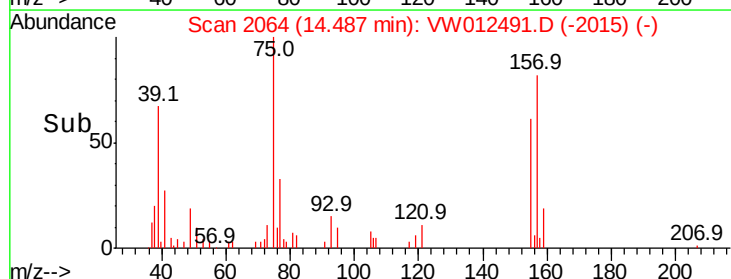
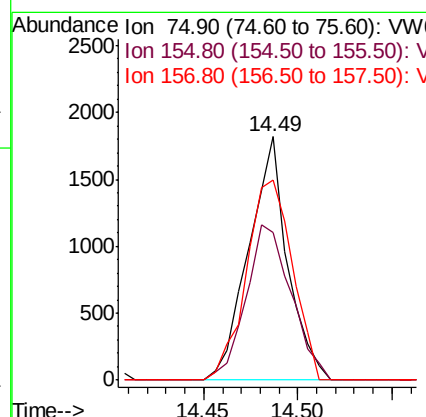
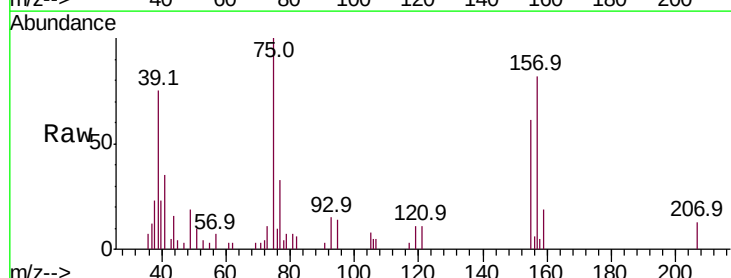
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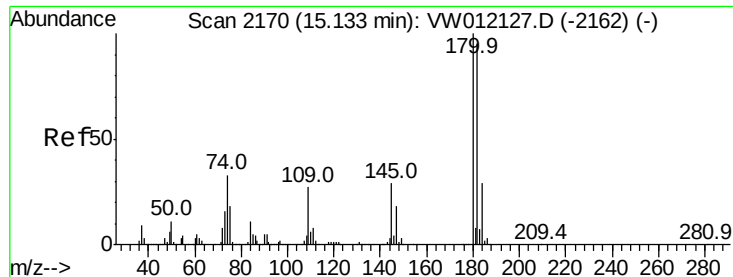
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.052 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	37.5	112.3
157	97.4	50.5	151.5





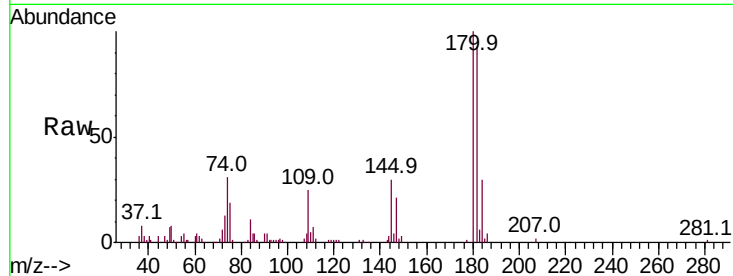
#93
 1,2,4-Trichlorobenzene
 Concen: 9.793 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	47.8	143.4	
145	30.1	15.0	45.1	

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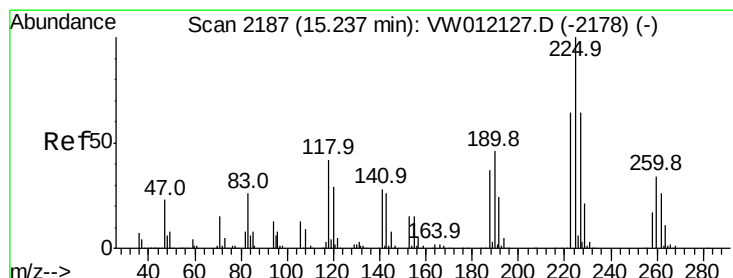
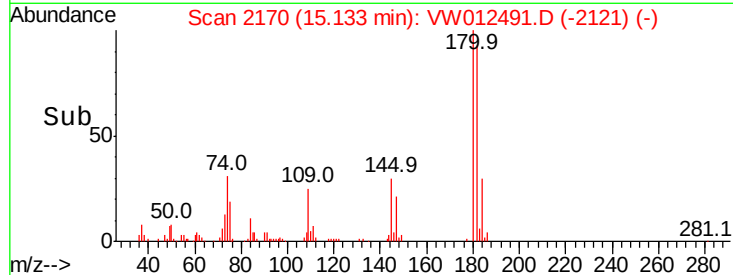
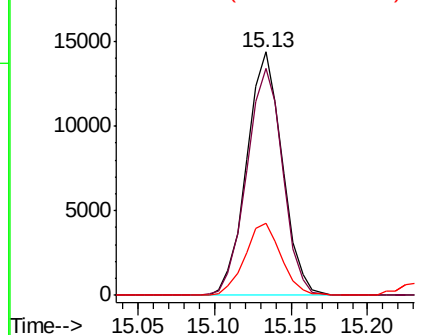


Abundance

Ion 179.80 (179.50 to 180.50): V

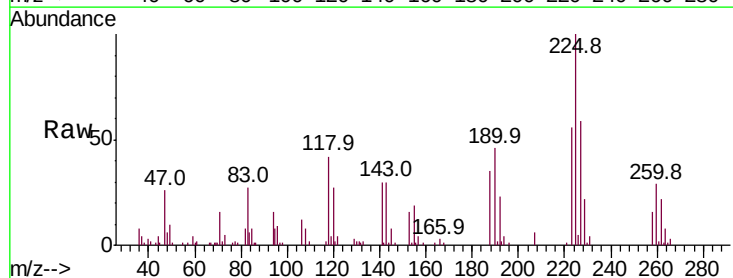
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 10.254 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012491.D
 Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.0	32.3	96.8	
227	61.9	32.9	98.6	

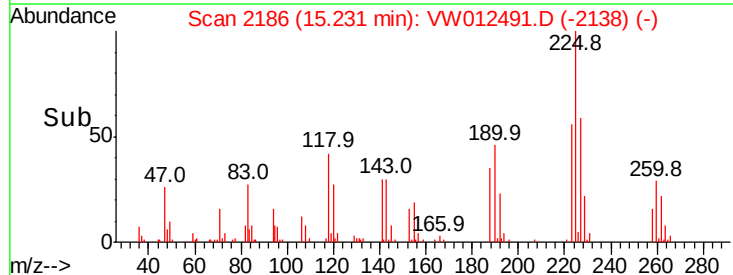
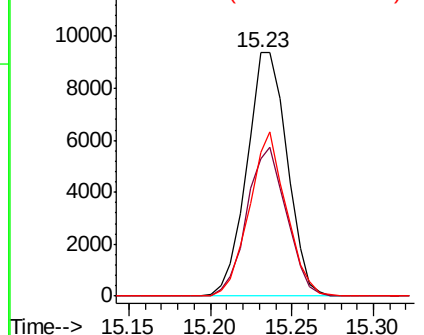


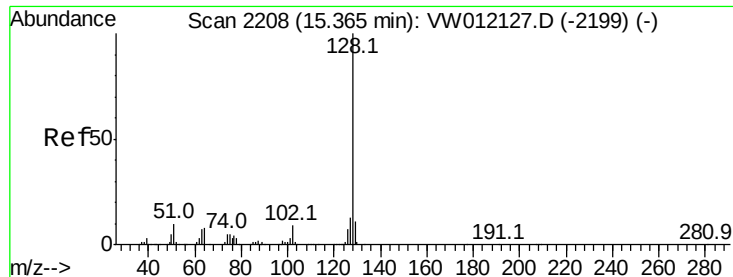
Abundance

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





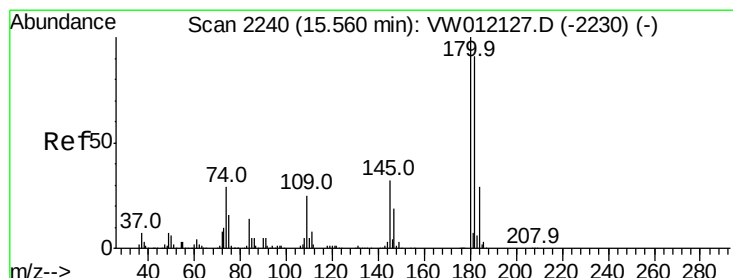
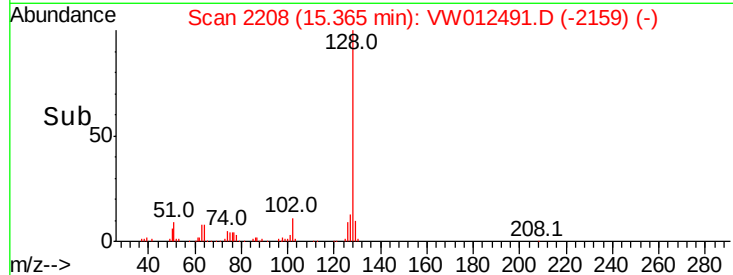
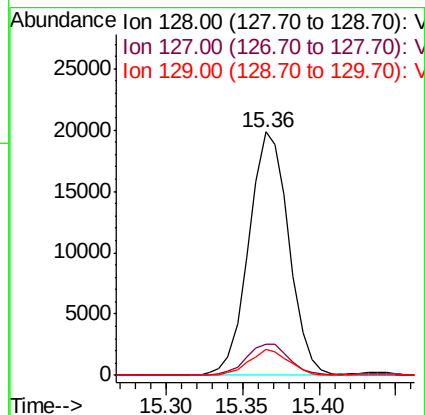
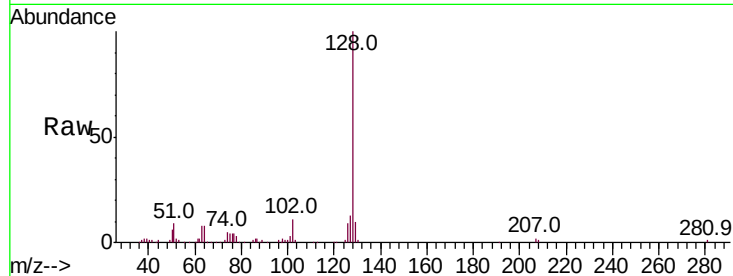
#95
Naphthalene
Concen: 11.394 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.7	16.1
129	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:56:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 9.927 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012491.D
Acq: 02 Sep 2019 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.1	141.3
145	31.7	16.2	48.5

