

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012494.D
 Acq On : 02 Sep 2019 13:09
 Operator : SY/VA
 Sample : VW0902SBSD01
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:56:23 AM

Quant Time: Sep 03 08:01:54 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	198595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	305771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	120619	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
35) Dibromofluoromethane	7.88	113	95003	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.32	98	386141	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.62	95	143526	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20331	16.626	ug/l	88
3) Chloromethane	2.21	50	35852	18.924	ug/l	94
4) Vinyl Chloride	2.36	62	40142	17.312	ug/l	99
5) Bromomethane	2.76	94	19168	16.322	ug/l	99
6) Chloroethane	2.90	64	22259	17.017	ug/l	97
7) Trichlorofluoromethane	3.24	101	28053	24.094	ug/l	95
8) Diethyl Ether	3.68	74	21356	19.324	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40169	20.296	ug/l	99
10) Methyl Iodide	4.27	142	51848	19.362	ug/l	99
11) Tert butyl alcohol	5.18	59	15541	109.388	ug/l	97
12) 1,1-Dichloroethene	4.03	96	39189	19.673	ug/l	95
13) Acrolein	3.89	56	10416	77.885	ug/l	93
14) Allyl chloride	4.66	41	84680	19.884	ug/l	98
15) Acrylonitrile	5.37	53	58392	106.595	ug/l	99
16) Acetone	4.13	43	57837	95.840	ug/l	97
17) Carbon Disulfide	4.38	76	93588	15.546	ug/l	100
18) Methyl Acetate	4.67	43	33190	22.205	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	70258	21.810	ug/l	99
20) Methylene Chloride	4.92	84	44415	19.469	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	42195	19.753	ug/l	96
22) Diisopropyl ether	6.31	45	163618	20.728	ug/l	96
23) Vinyl Acetate	6.25	43	492075	101.293	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89515	20.827	ug/l	99
25) 2-Butanone	7.17	43	84660	103.238	ug/l	97
26) 2,2-Dichloropropane	7.16	77	55352	22.753	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	46975	20.583	ug/l	98
28) Bromochloromethane	7.51	49	38613	20.613	ug/l	97
29) Tetrahydrofuran	7.53	42	52237	106.174	ug/l	99
30) Chloroform	7.68	83	85301	21.693	ug/l	97
31) Cyclohexane	7.95	56	78581	18.480	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	70077	22.528	ug/l	97
36) 1,1-Dichloropropene	8.08	75	66249	20.966	ug/l	97
37) Ethyl Acetate	7.25	43	36010	20.797	ug/l	99
38) Carbon Tetrachloride	8.07	117	61248	22.395	ug/l	98

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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)
39) Methylcyclohexane	9.34	83	71304	20.087	ug/l	99
40) Benzene	8.32	78	182498	21.152	ug/l	98
41) Methacrylonitrile	7.48	41	21795	21.416	ug/l	95
42) 1,2-Dichloroethane	8.40	62	59813	22.119	ug/l	99
43) Isopropyl Acetate	8.42	43	69658	21.718	ug/l	98
44) Trichloroethene	9.09	130	45452	21.670	ug/l	95
45) 1,2-Dichloropropane	9.37	63	48329	20.813	ug/l	97
46) Dibromomethane	9.46	93	21962	21.257	ug/l	99
47) Bromodichloromethane	9.64	83	59412	21.607	ug/l	97
48) Methyl methacrylate	9.43	41	32505	21.294	ug/l	97
49) 1,4-Dioxane	9.46	88	6227	393.705	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	178248	109.265	ug/l	99
52) Toluene	10.38	92	110987	21.413	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	60045	21.438	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	70918	20.970	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	31925	21.840	ug/l	96
56) Ethyl methacrylate	10.65	69	47117	22.147	ug/l	97
57) 1,3-Dichloropropane	10.93	76	60231	21.804	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	116041	106.277	ug/l	100
59) 2-Hexanone	10.97	43	126758	109.816	ug/l	99
60) Dibromochloromethane	11.13	129	34196	21.003	ug/l	97
61) 1,2-Dibromoethane	11.24	107	29833	21.907	ug/l	99
64) Tetrachloroethene	10.86	164	38182	22.395	ug/l	97
65) Chlorobenzene	11.66	112	113288	21.878	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	40274	22.294	ug/l	99
67) Ethyl Benzene	11.73	91	219949	22.050	ug/l	99
68) m/p-Xylenes	11.83	106	158399	44.084	ug/l	100
69) o-Xylene	12.16	106	74613	22.436	ug/l	99
70) Styrene	12.18	104	128226	22.276	ug/l	99
71) Bromoform	12.35	173	19897	22.107	ug/l #	99
73) Isopropylbenzene	12.46	105	214639	22.565	ug/l	99
74) N-amyl acetate	12.27	43	61022	21.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	38056	21.823	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	32000m	25.883	ug/l	
77) Bromobenzene	12.74	156	45372	22.049	ug/l	97
78) n-propylbenzene	12.80	91	255442	21.998	ug/l	99
79) 2-Chlorotoluene	12.89	91	144716	21.951	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	174461	21.950	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11847	21.010	ug/l	98
82) 4-Chlorotoluene	12.99	91	151071	21.885	ug/l	99
83) tert-Butylbenzene	13.21	119	152841	22.701	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	176530	22.110	ug/l	100
85) sec-Butylbenzene	13.38	105	214842	22.273	ug/l	99
86) p-Isopropyltoluene	13.50	119	191133	22.188	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	87922	21.844	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	86659	21.684	ug/l	96
89) n-Butylbenzene	13.82	91	189688	22.143	ug/l	100
90) Hexachloroethane	14.09	117	32318	21.383	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	77287	21.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6277	21.352	ug/l	96

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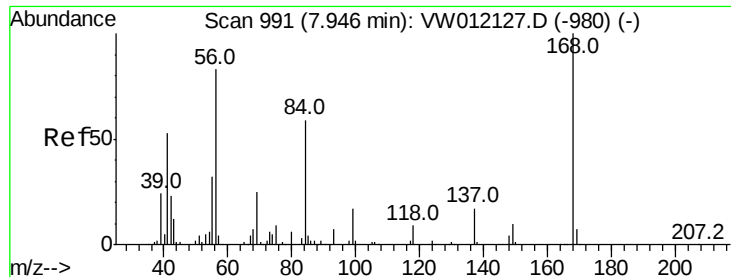
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	52927	21.690	ug/l	99
94) Hexachlorobutadiene	15.24	225	36467	22.633	ug/l	97
95) Naphthalene	15.36	128	92378	21.947	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	45384	21.318	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion:168 Resp: 198595

Ion Ratio Lower Upper

168 100

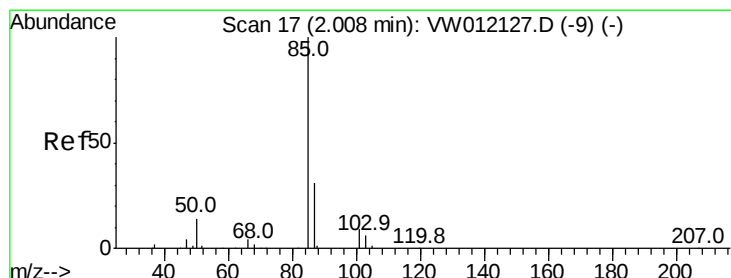
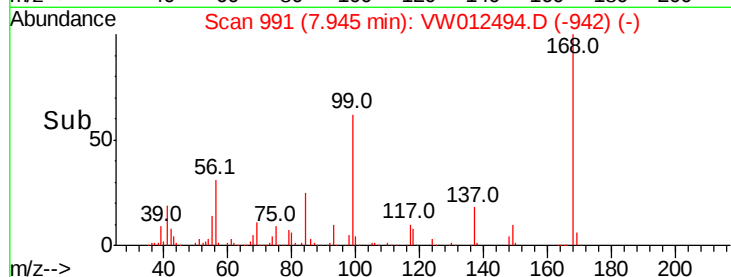
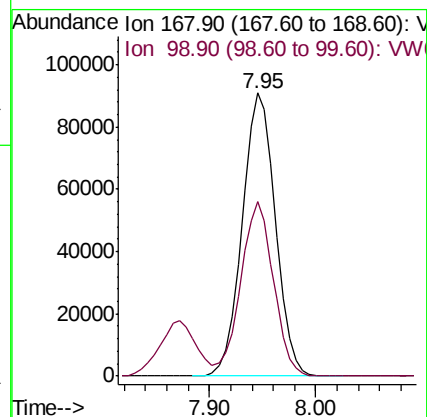
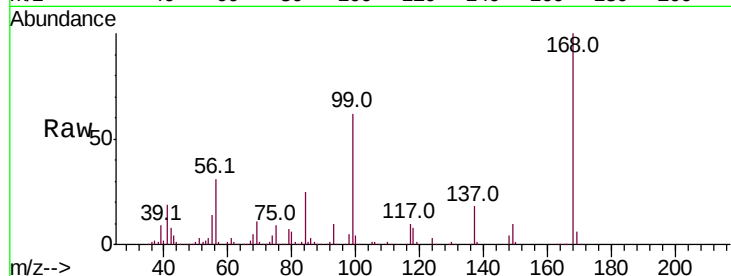
99 61.7 49.2 73.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.626 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012494.D

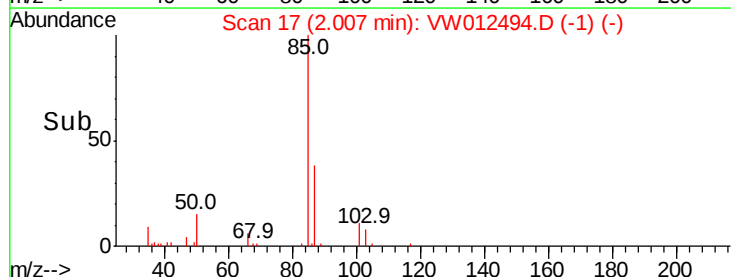
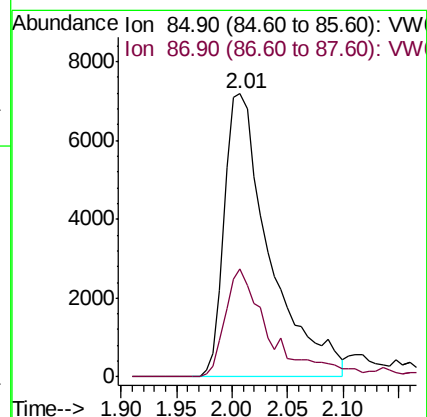
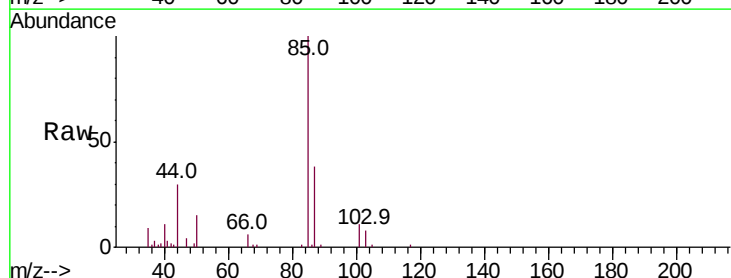
Acq: 02 Sep 2019 13:09

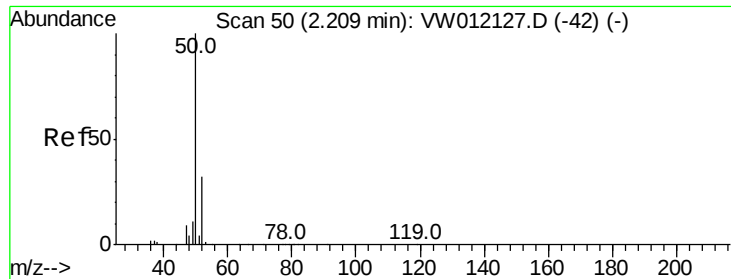
Tgt Ion: 85 Resp: 20331

Ion Ratio Lower Upper

85 100

87 38.0 15.6 46.8





#3

Chloromethane

Concen: 18.924 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 50 Resp: 35852

Ion Ratio Lower Upper

50 100

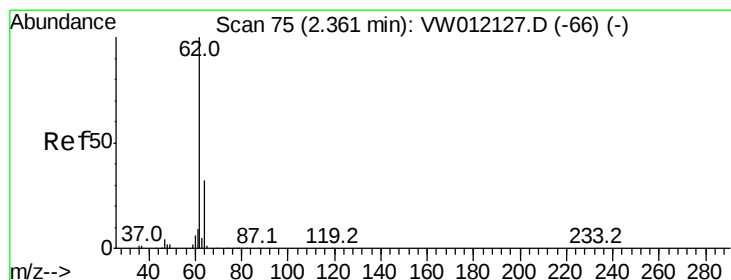
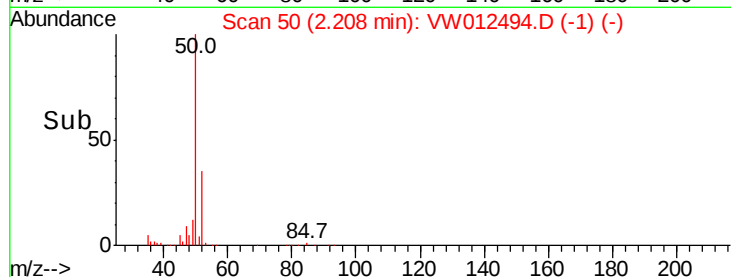
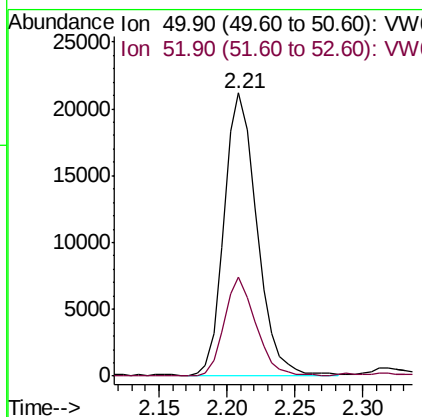
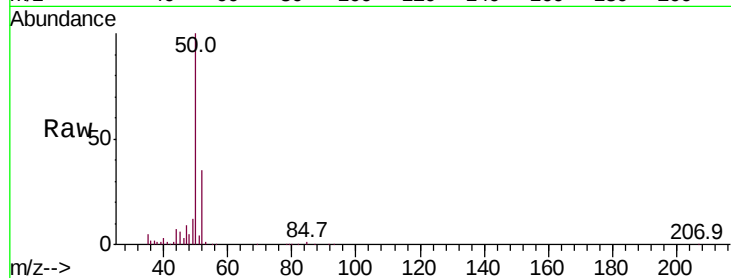
52 35.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.312 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012494.D

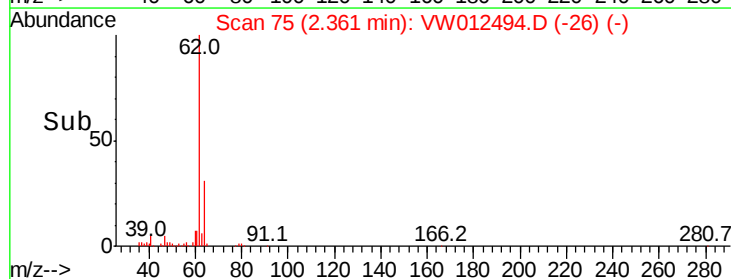
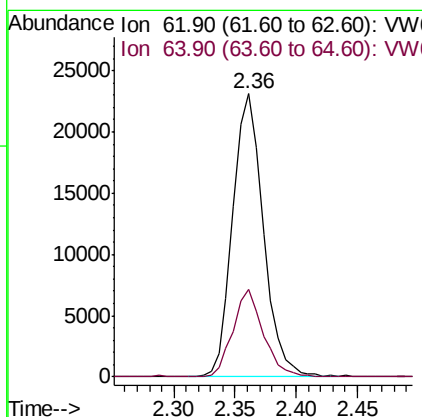
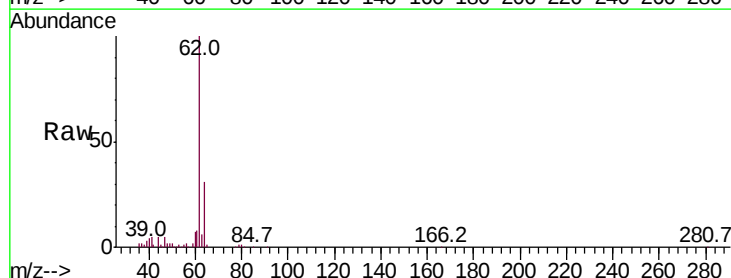
Acq: 02 Sep 2019 13:09

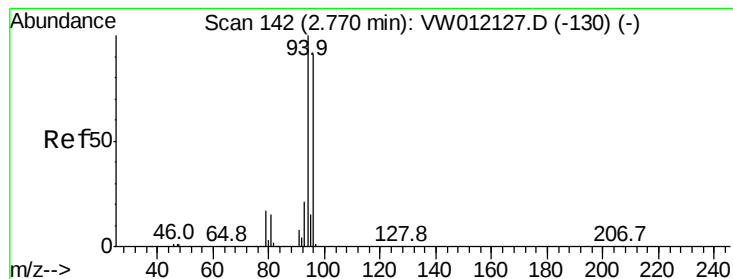
Tgt Ion: 62 Resp: 40142

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 16.322 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

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ClientSampleId :

VW0902SBSD01

Tot Ion: 94 Resp: 19168

Ion Ratio Lower Upper

94 100

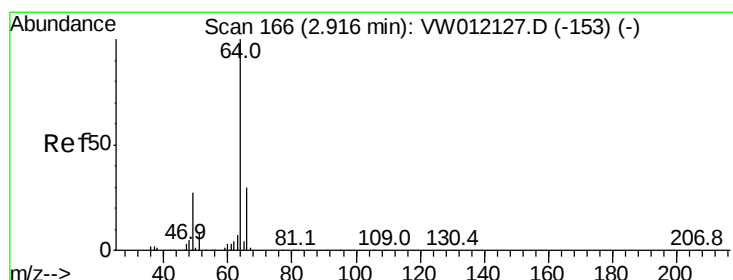
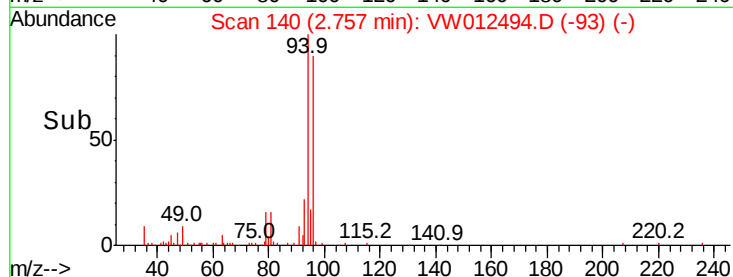
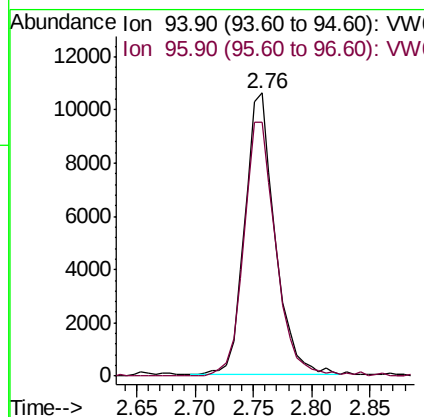
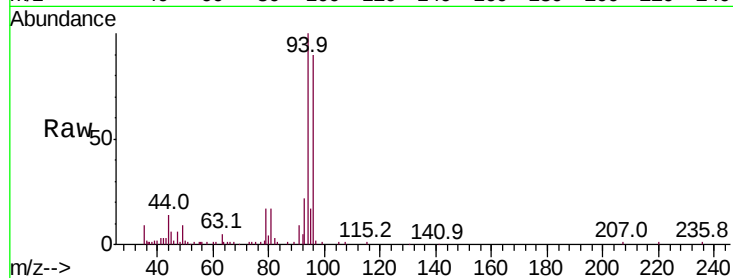
96 90.3 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.017 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012494.D

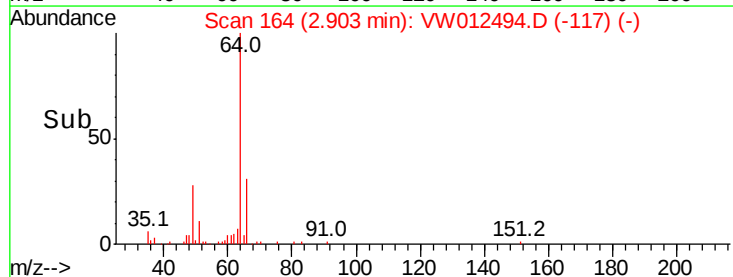
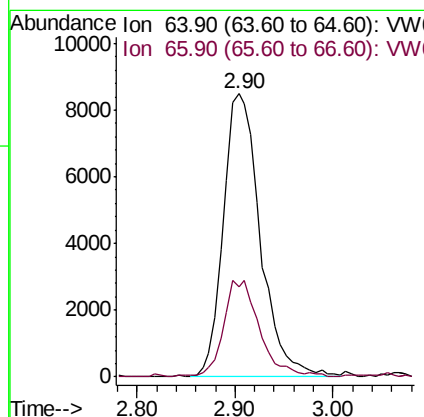
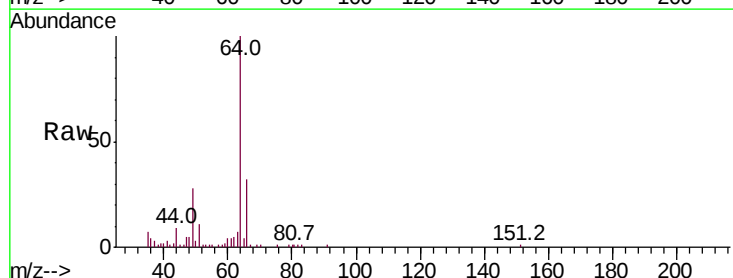
Acq: 02 Sep 2019 13:09

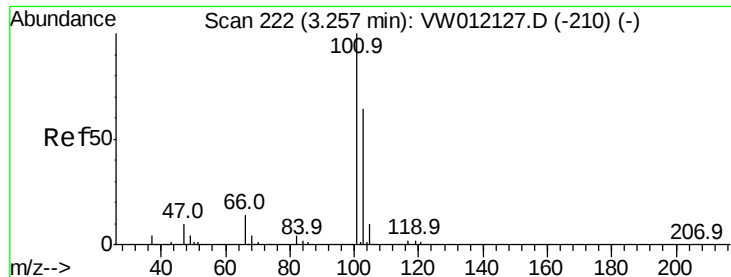
Tgt Ion: 64 Resp: 22259

Ion Ratio Lower Upper

64 100

66 31.6 23.8 35.8





#7

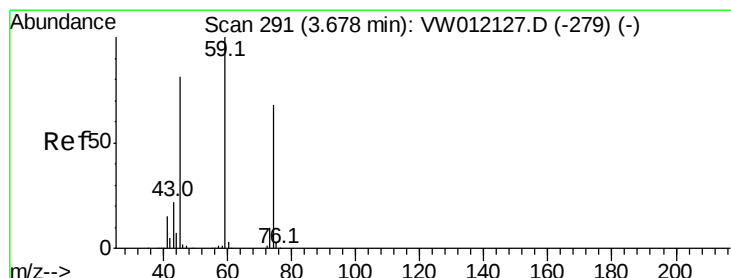
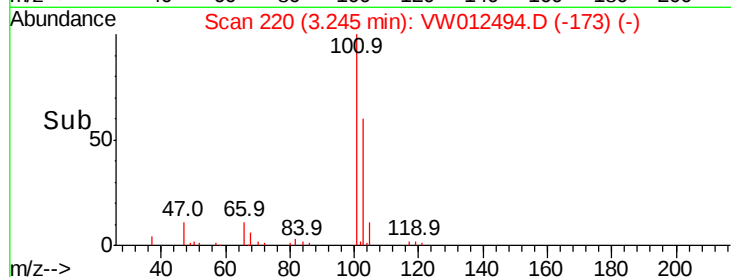
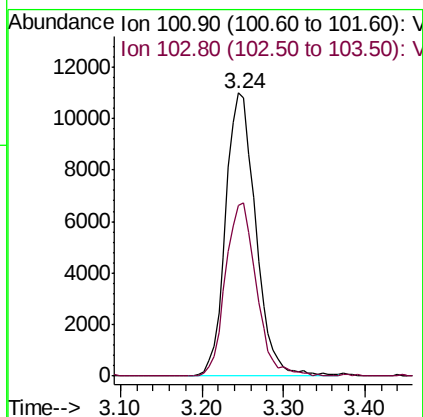
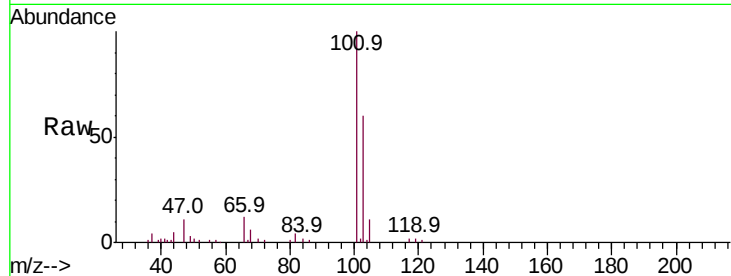
Trichlorofluoromethane
Concen: 24.094 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

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VW0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	28053		
103	60.2		51.2	76.8

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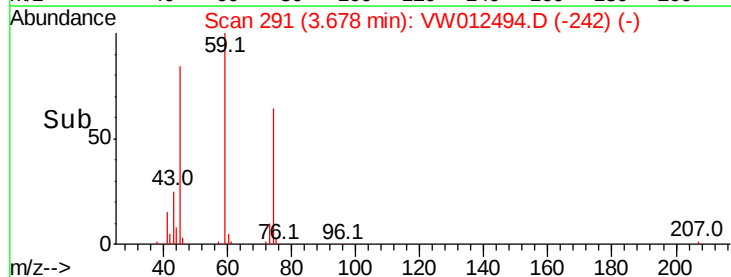
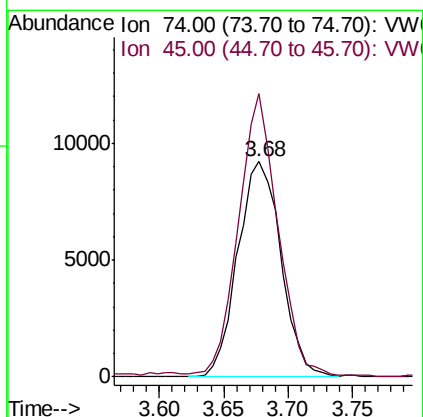
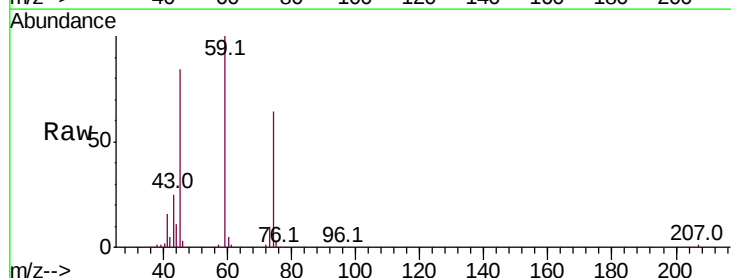
MMDadoda
9/3/2019 10:56:23 AM

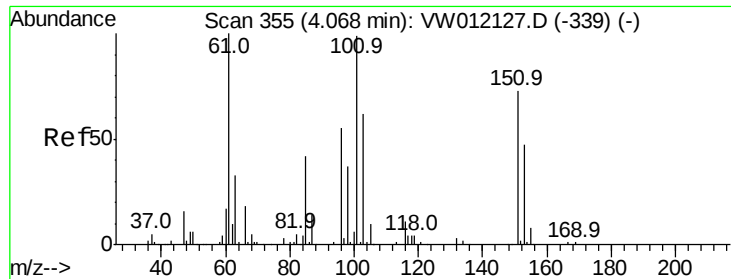


#8

Diethyl Ether
Concen: 19.324 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	21356		
45	121.9		59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.296 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

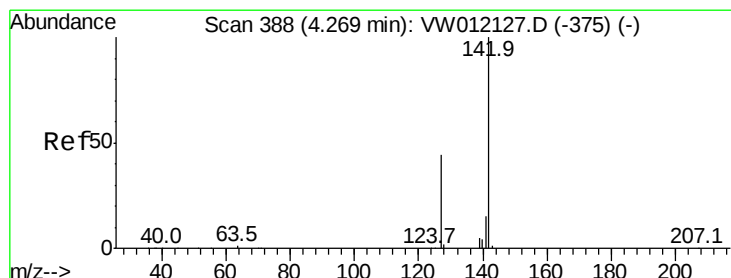
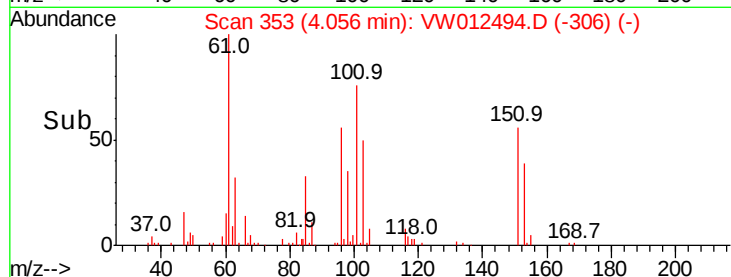
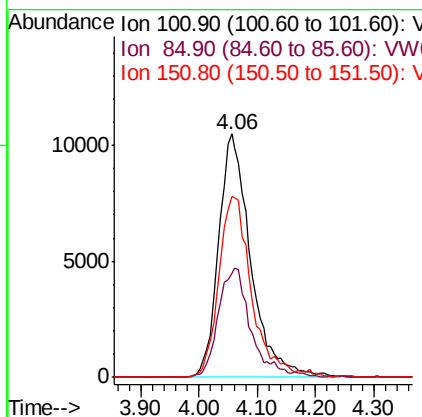
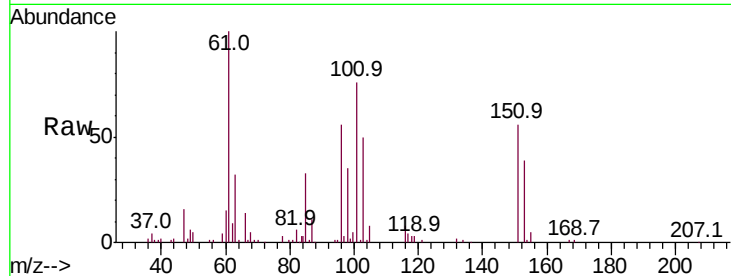
ClientSampleId :

VW0902SBSD01

Tot Ion:	101	Resp:	40169
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.8	53.6
151	74.9	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.362 ug/l

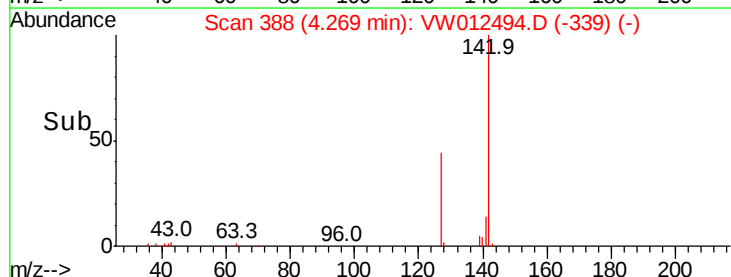
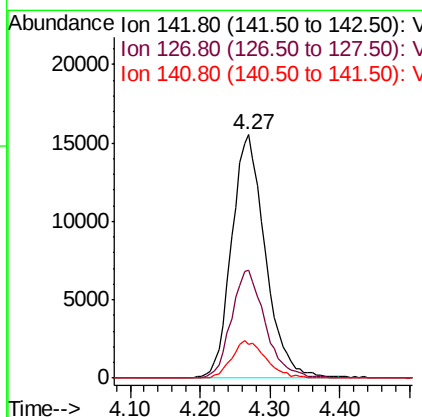
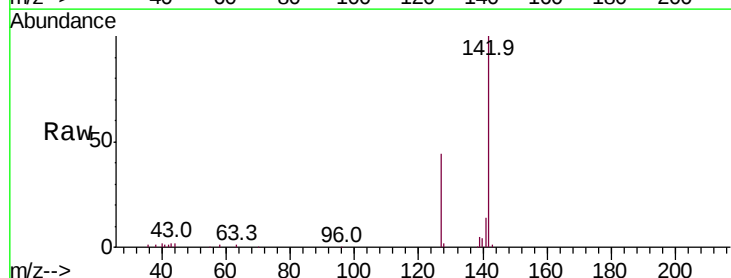
RT: 4.27 min Scan# 388

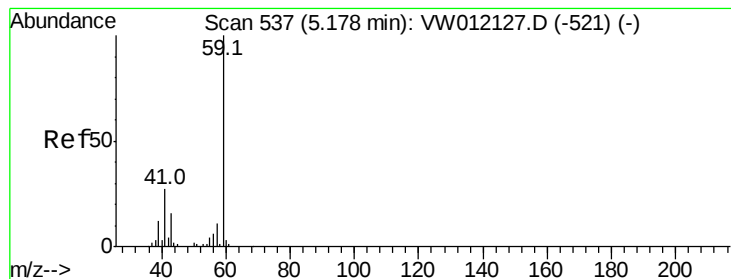
Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Tgt Ion:	142	Resp:	51848
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.5	53.3
141	15.4	11.8	17.8





#11

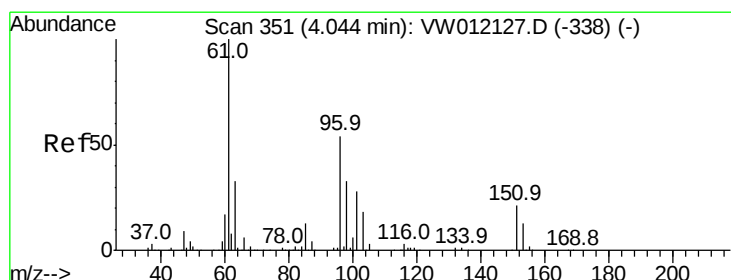
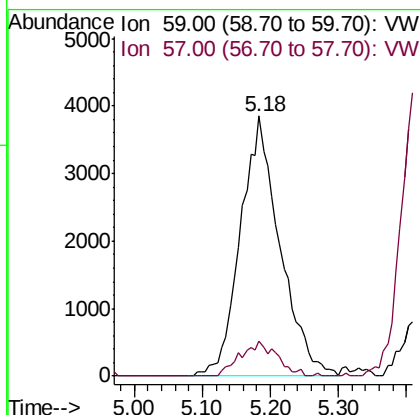
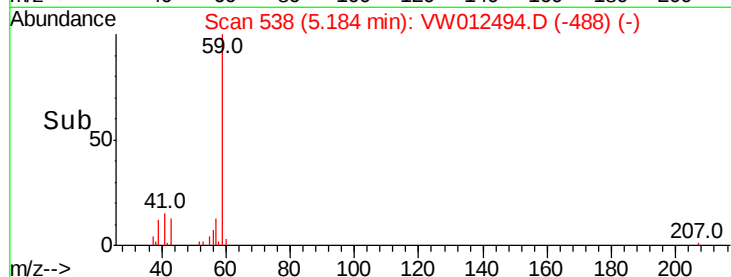
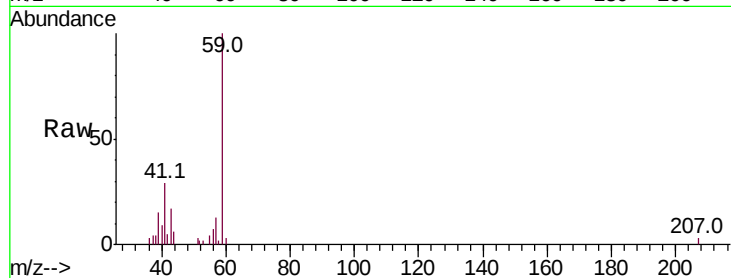
Tert butyl alcohol
Concen: 109.388 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	59	Ratio	100	Resp:	15541
Ion	59	100		Lower	Upper
	57	12.3		9.0	13.4

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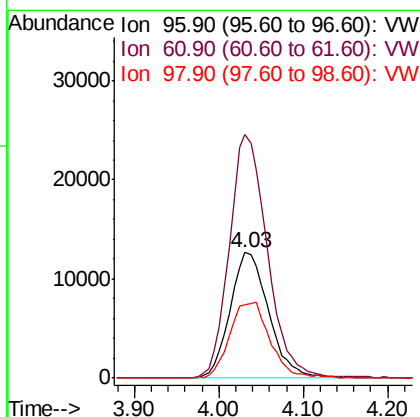
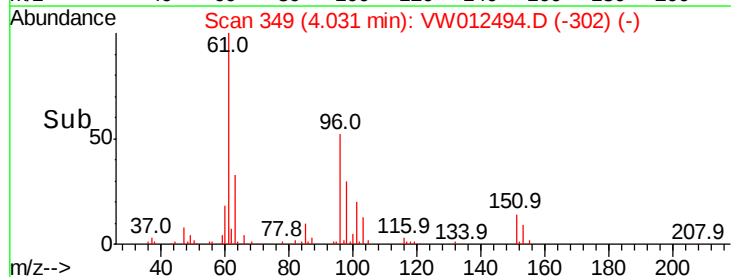
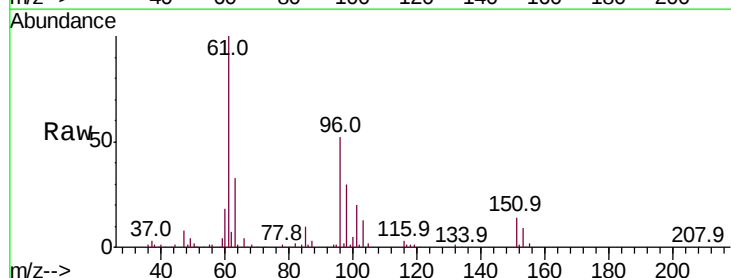
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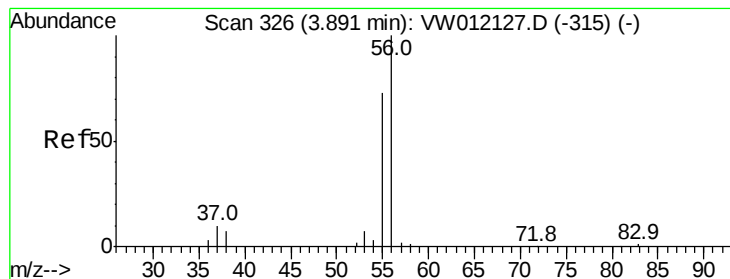


#12

1,1-Dichloroethene
Concen: 19.673 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	96	Ratio	100	Resp:	39189
Ion	96	100		Lower	Upper
	61	194.2		149.1	223.7
	98	58.5		49.4	74.2





#13

Acrolein

Concen: 77.885 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 56 Resp: 10416

Ion Ratio Lower Upper

56 100

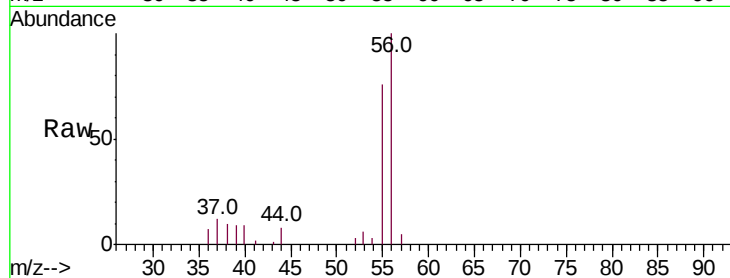
55 75.1 55.8 83.8

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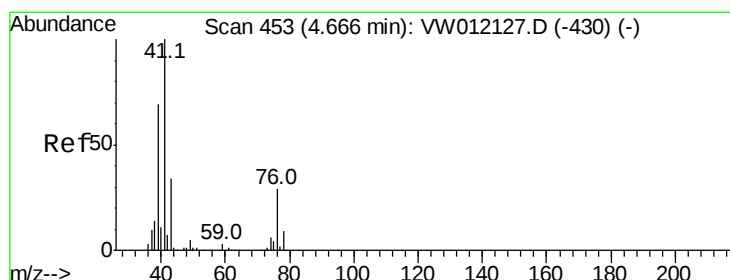
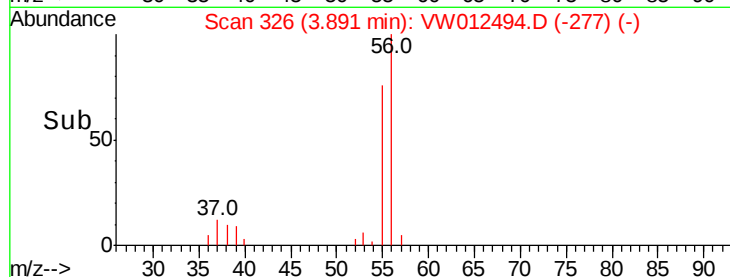
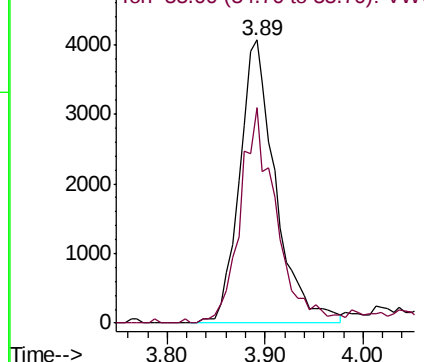
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.884 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

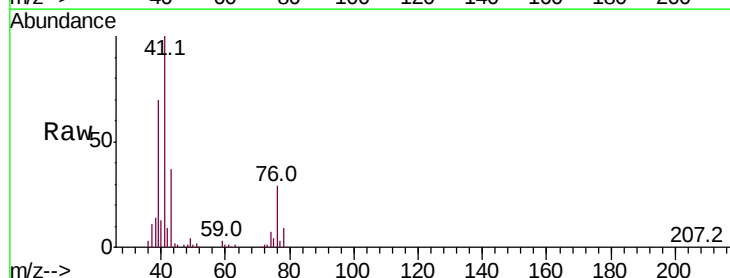
Tgt Ion: 41 Resp: 84680

Ion Ratio Lower Upper

41 100

39 68.6 53.4 80.2

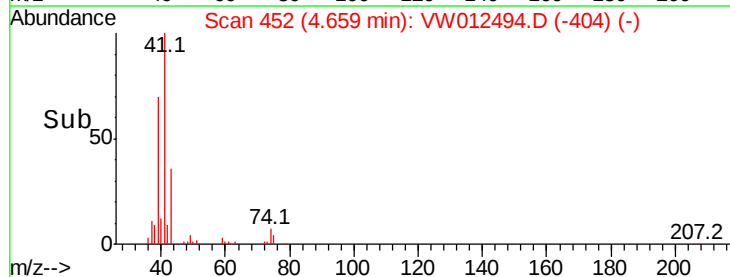
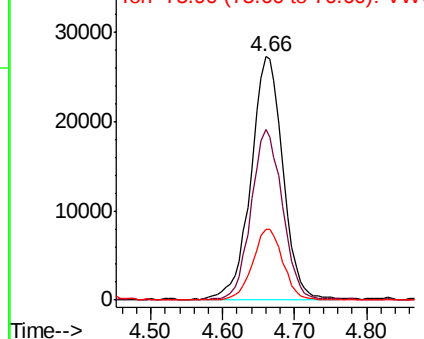
76 27.3 22.1 33.1

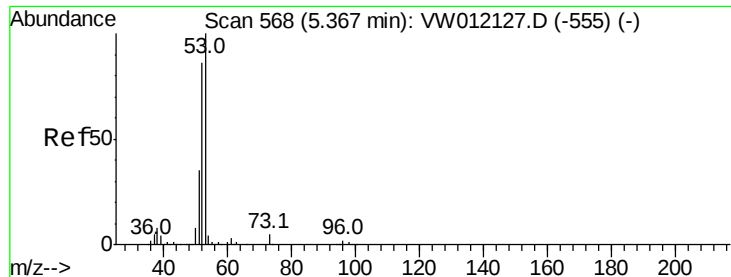


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 106.595 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

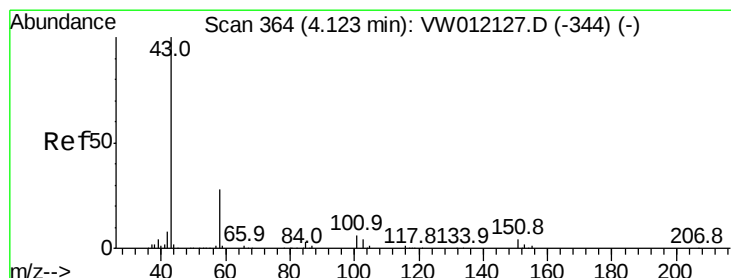
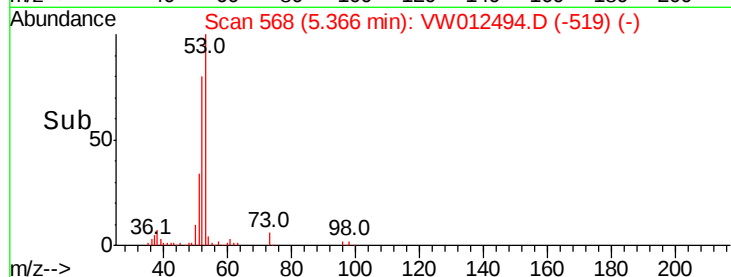
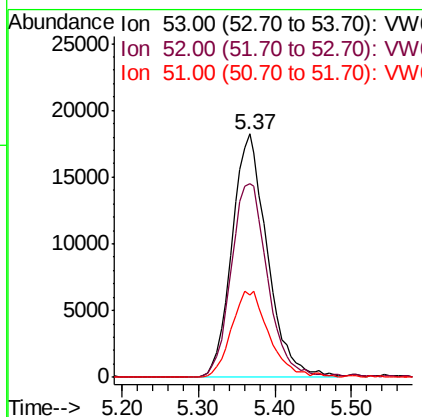
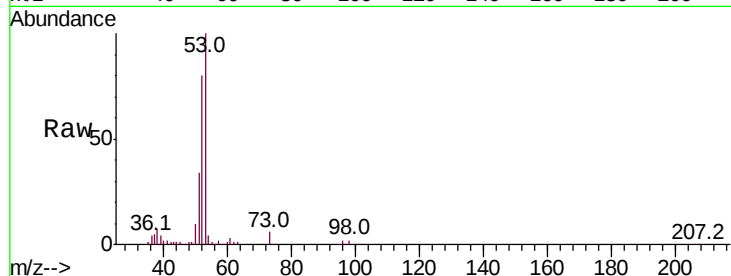
ClientSampleId :

VW0902SBS01

Tot Ion:	53	Resp:	58392
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.7	100.1
51	37.7	30.1	45.1

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#16

Acetone

Concen: 95.840 ug/l

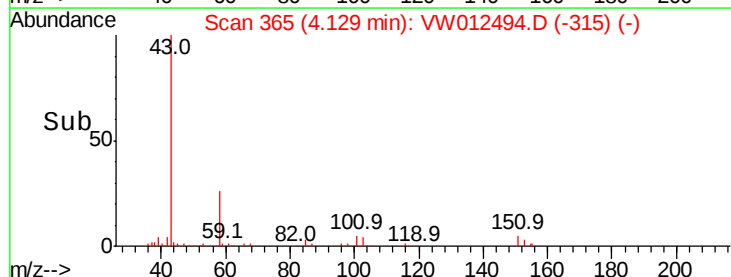
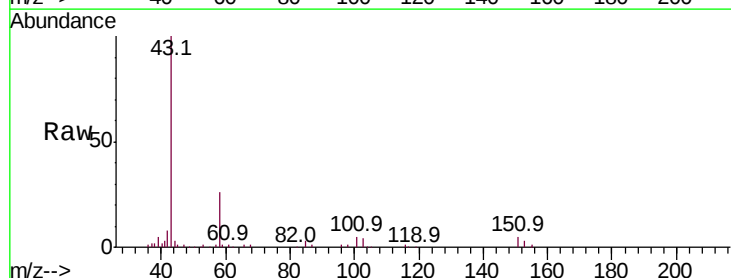
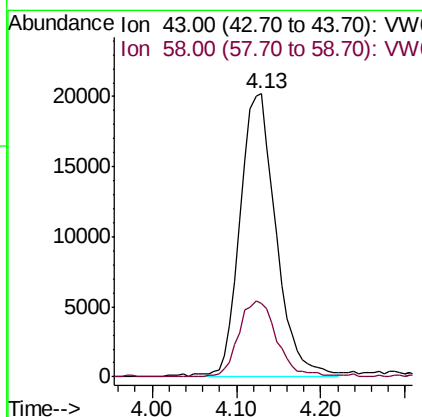
RT: 4.13 min Scan# 365

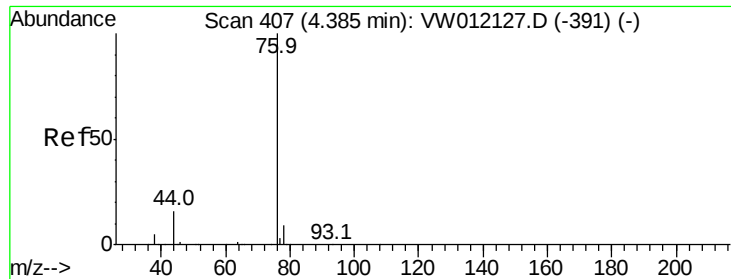
Delta R.T. 0.01 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Tgt Ion:	43	Resp:	57837
Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.4	33.6





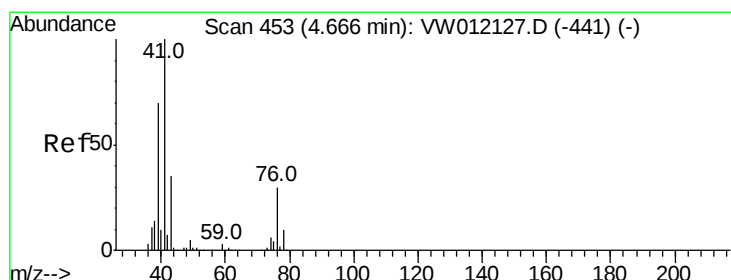
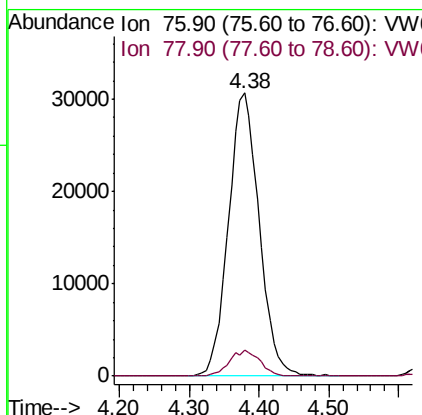
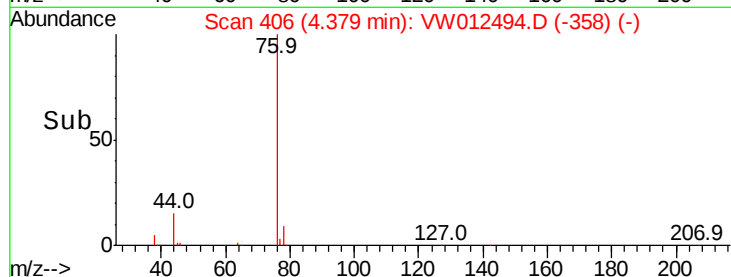
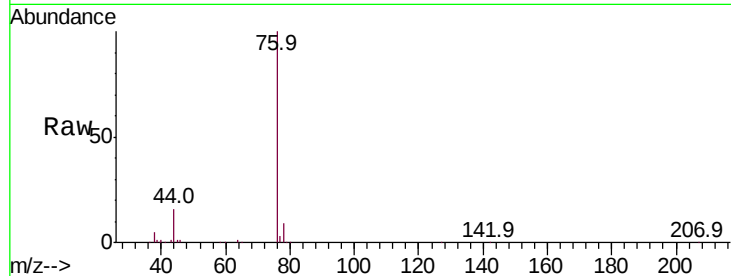
#17
Carbon Disulfide
Concen: 15.546 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD01

Tot Ion: 76 Resp: 93588
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

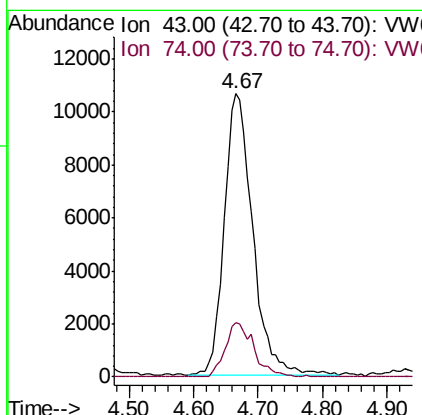
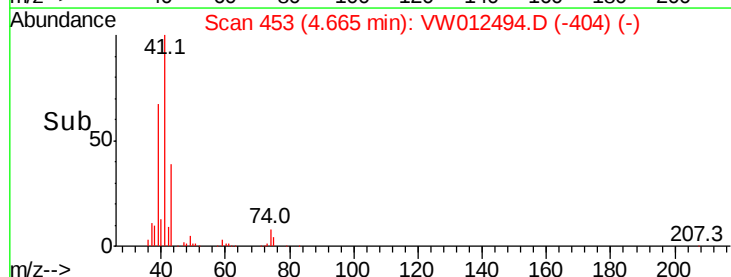
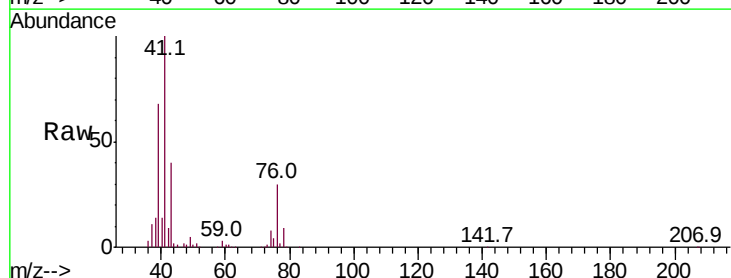
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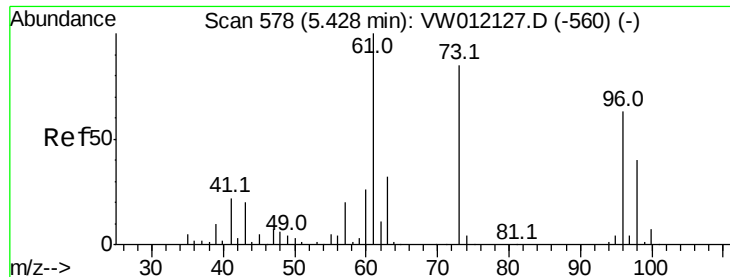
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#18
Methyl Acetate
Concen: 22.205 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion: 43 Resp: 33190
Ion Ratio Lower Upper
43 100
74 19.3 15.7 23.5





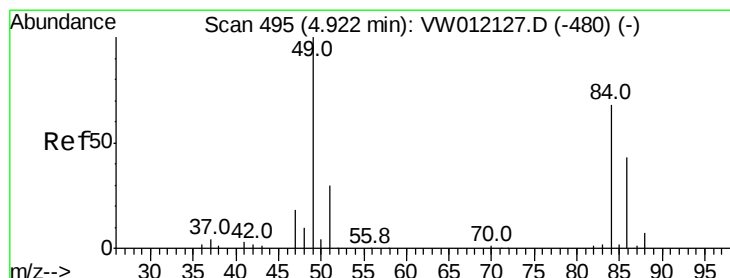
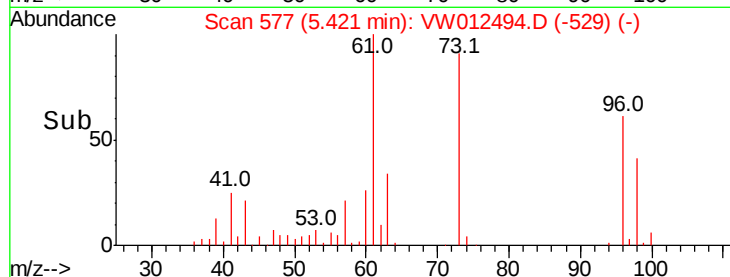
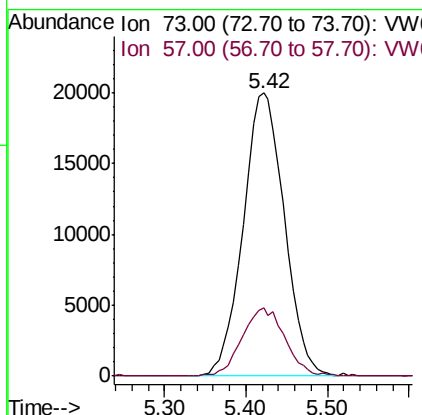
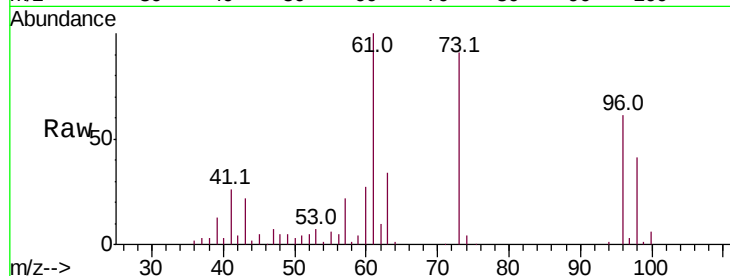
#19
Methvl tert-butvl Ether
Concen: 21.810 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion: 73 Resp: 70258
Ion Ratio Lower Upper
73 100
57 24.1 18.9 28.3

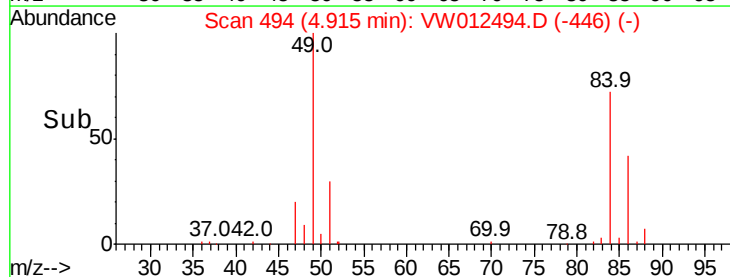
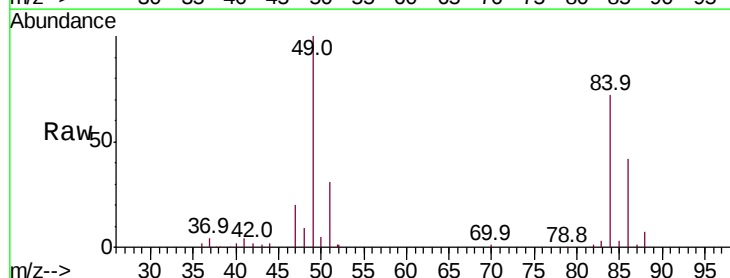
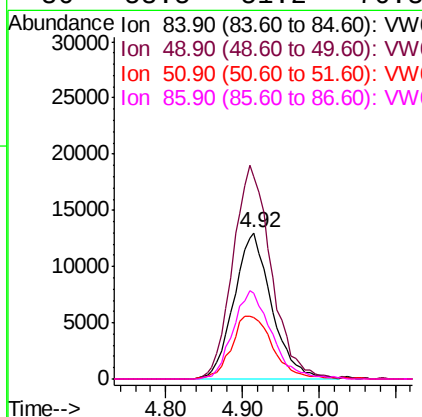
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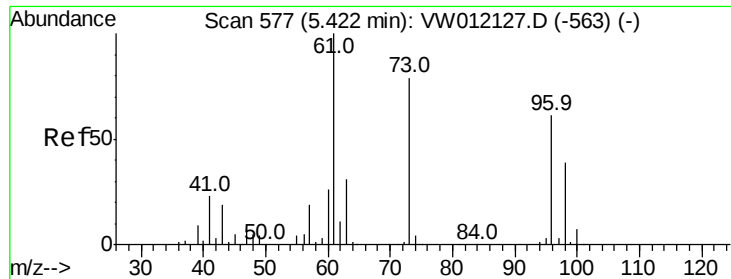
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#20
Methylene Chloride
Concen: 19.469 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion: 84 Resp: 44415
Ion Ratio Lower Upper
84 100
49 138.8 117.8 176.8
51 42.5 35.6 53.4
86 58.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.753 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 96 Resp: 42195

Ion Ratio Lower Upper

96 100

61 158.6 131.4 197.0

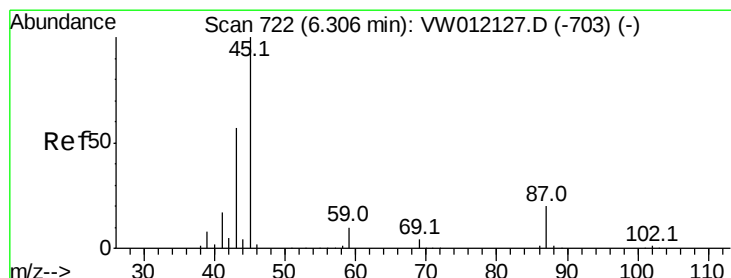
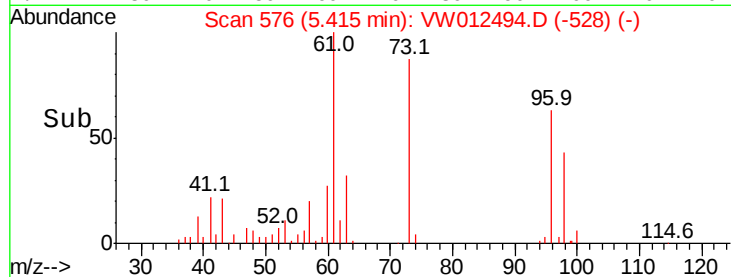
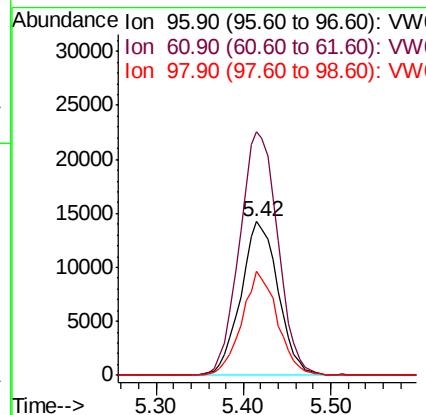
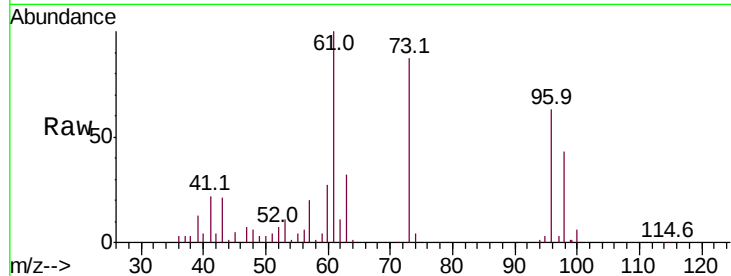
98 67.6 51.4 77.0

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#22

Diisopropyl ether

Concen: 20.728 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Tgt Ion: 45 Resp: 163618

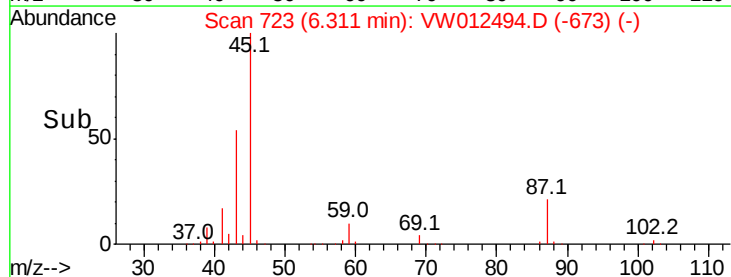
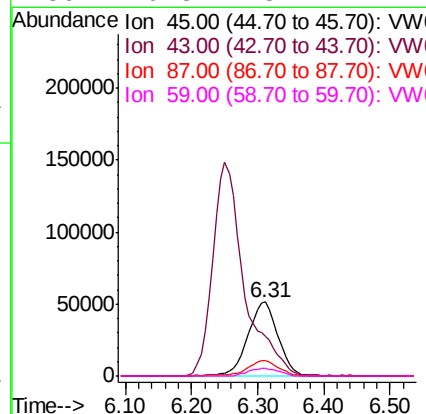
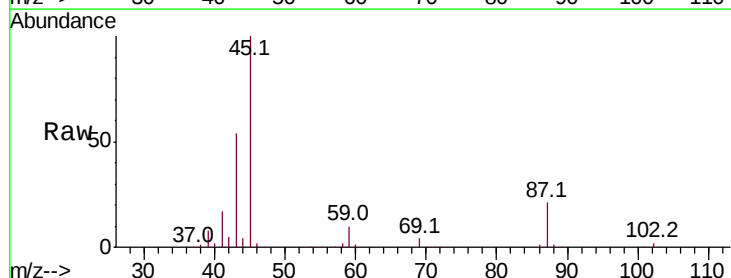
Ion Ratio Lower Upper

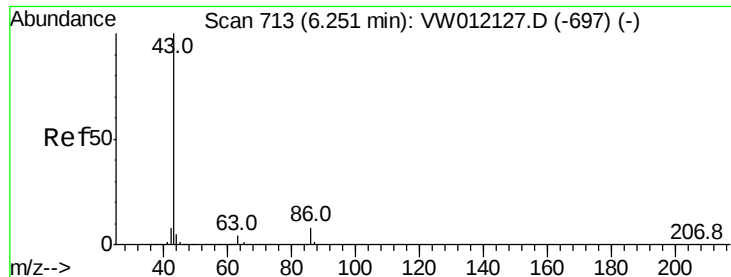
45 100

43 52.9 45.5 68.3

87 20.5 16.1 24.1

59 10.3 8.2 12.2





#23

Vinyl Acetate

Concen: 101.293 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 43 Resp: 492075

Ion Ratio Lower Upper

43 100

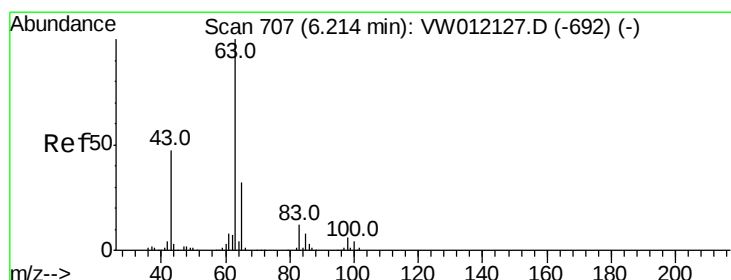
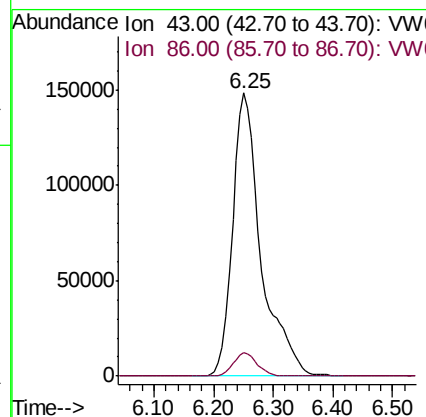
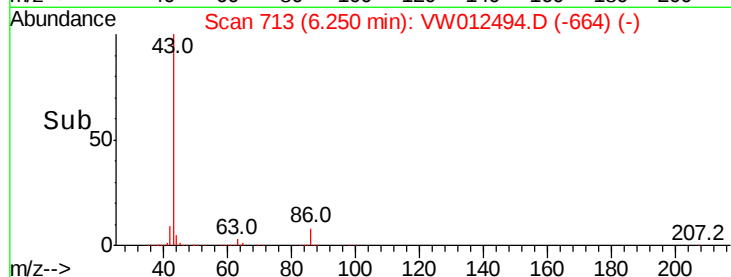
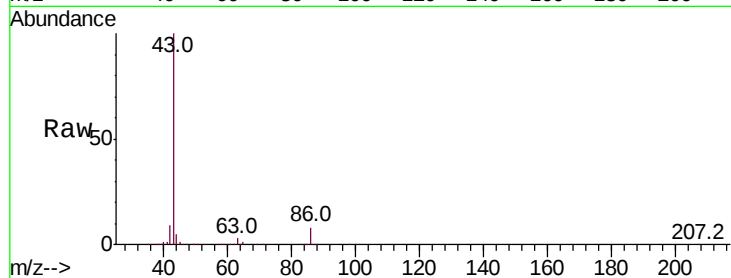
86 8.3 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 20.827 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

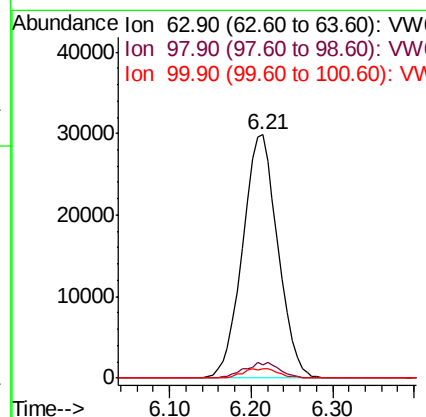
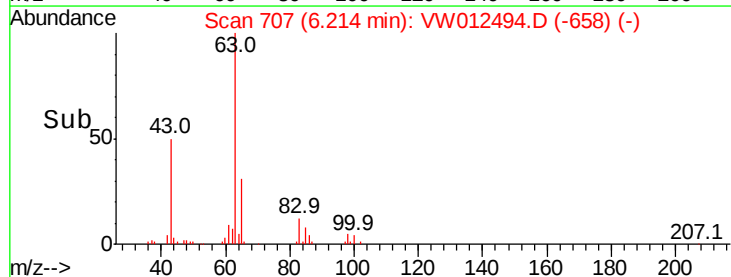
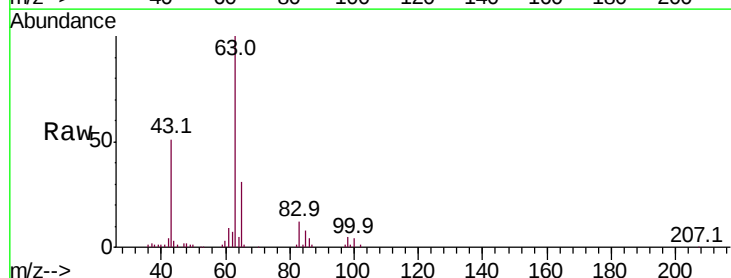
Tgt Ion: 63 Resp: 89515

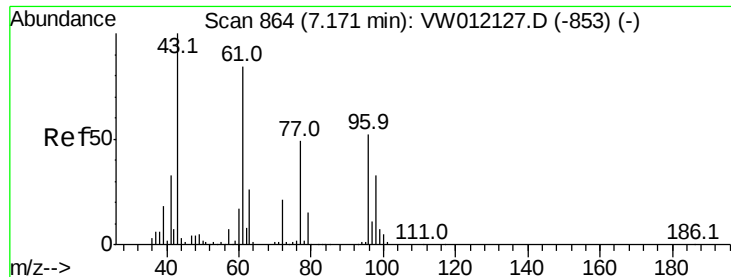
Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 103.238 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion: 43 Resp: 84660

Ion Ratio Lower Upper

43 100

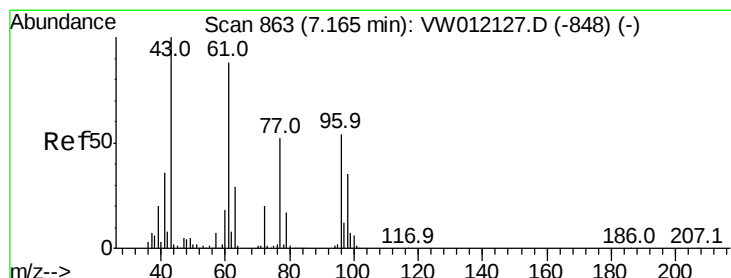
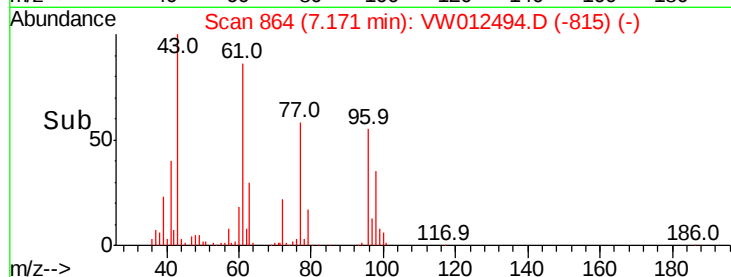
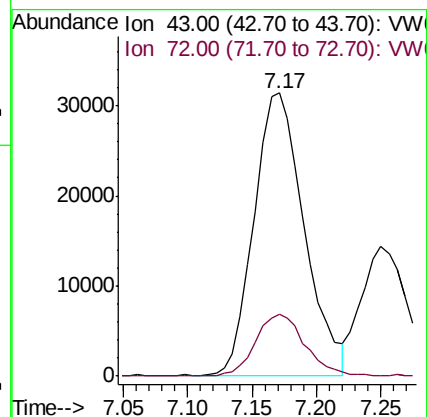
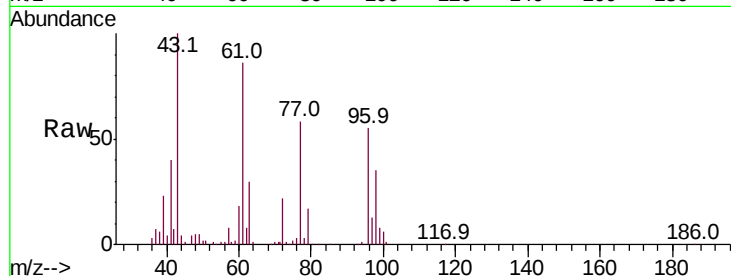
72 22.1 16.6 24.8

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#26

2,2-Dichloropropane

Concen: 22.753 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012494.D

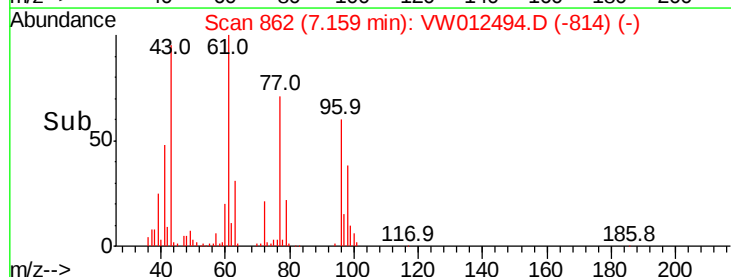
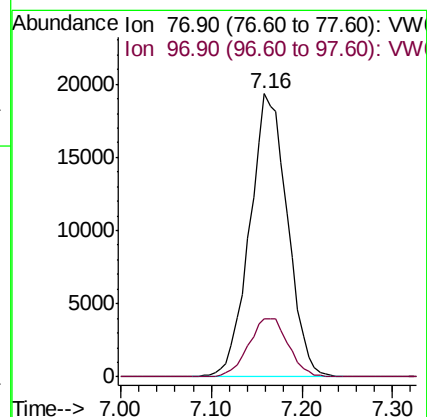
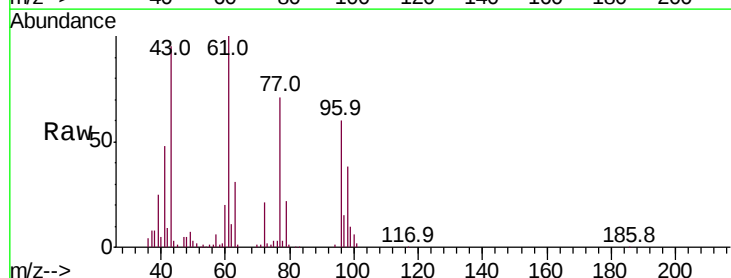
Acq: 02 Sep 2019 13:09

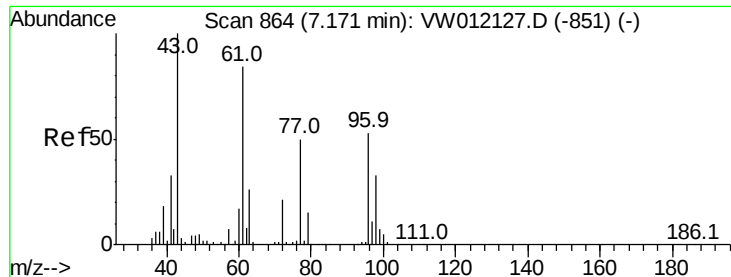
Tgt Ion: 77 Resp: 55352

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1





#27

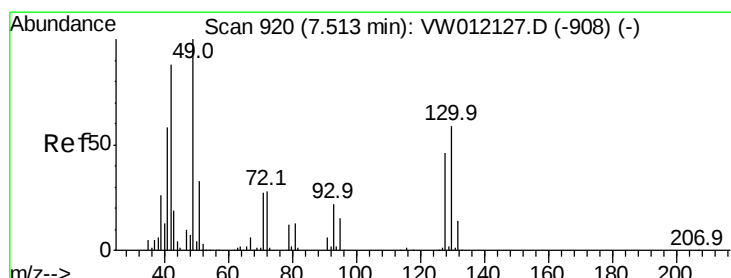
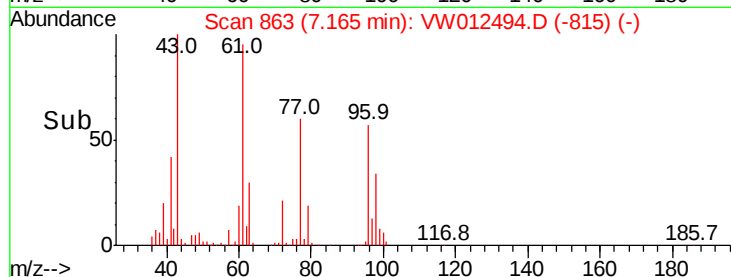
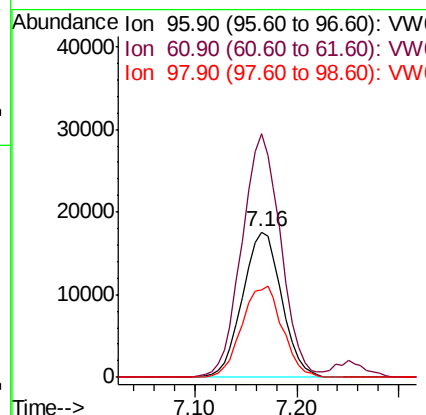
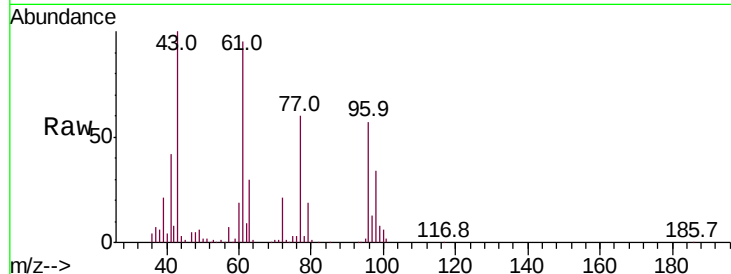
cis-1,2-Dichloroethene
Concen: 20.583 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46975		
61	166.0	0.0	326.6	
98	64.5	0.0	127.4	

Manual Integrations
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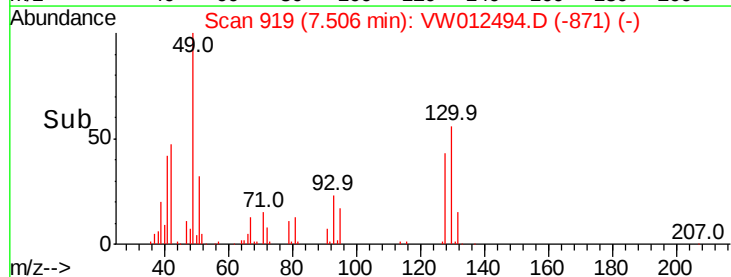
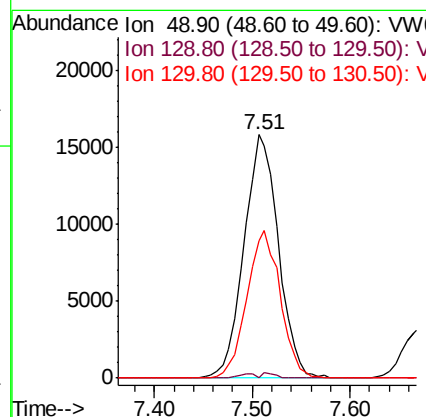
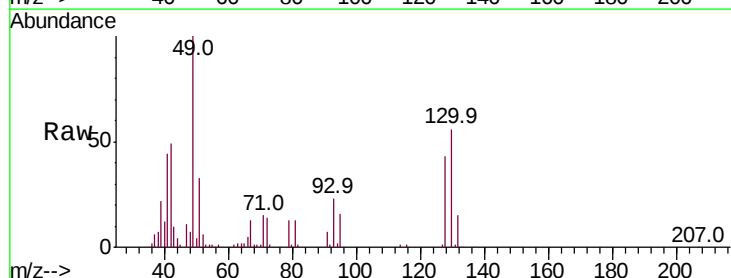
MMDadoda
9/3/2019 10:56:23 AM

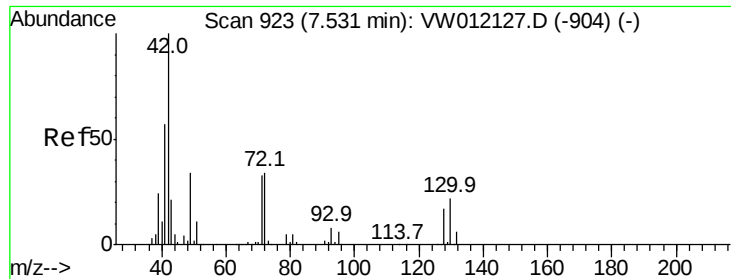


#28

Bromochloromethane
Concen: 20.613 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	38613		
129	0.8	0.0	1.4	
130	58.8	45.5	68.3	





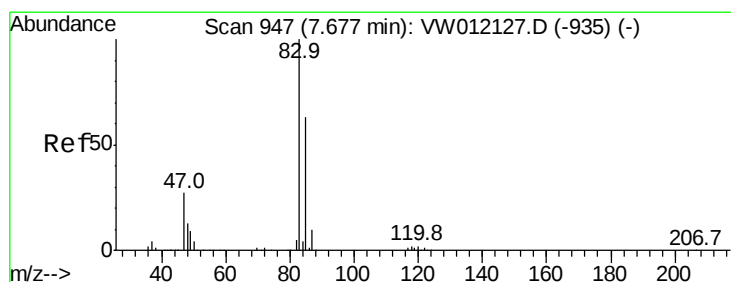
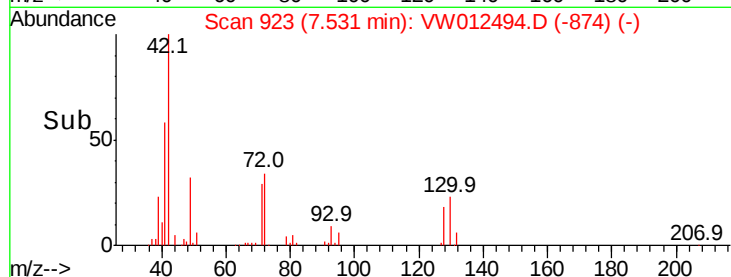
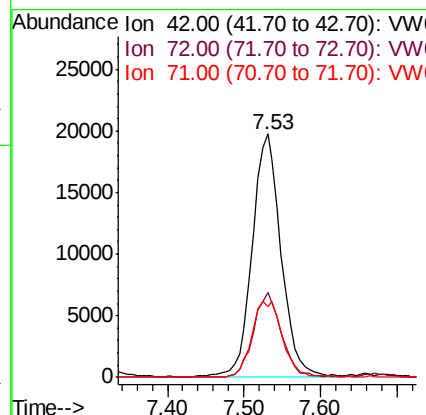
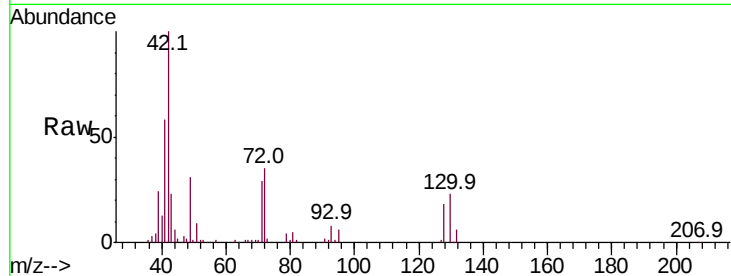
#29
Tetrahydrofuran
Concen: 106.174 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS01

Tot Ion:	42	Resp:	52237
Ion Ratio	Lower	Upper	
42	100		
72	33.6	27.3	40.9
71	32.8	25.5	38.3

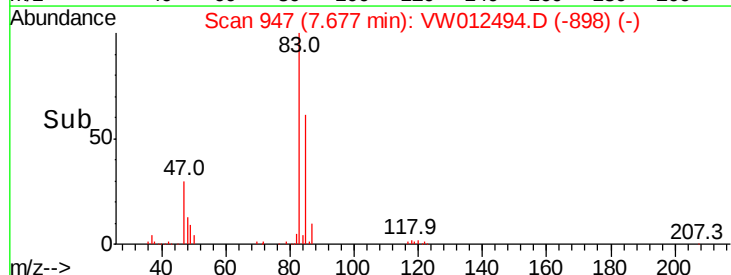
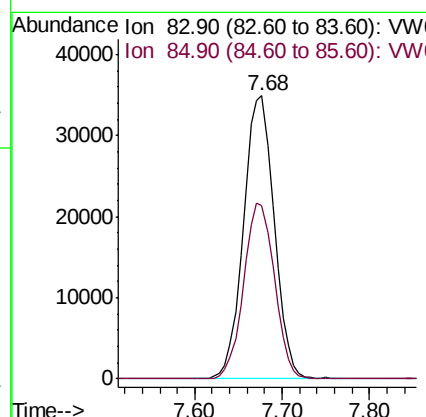
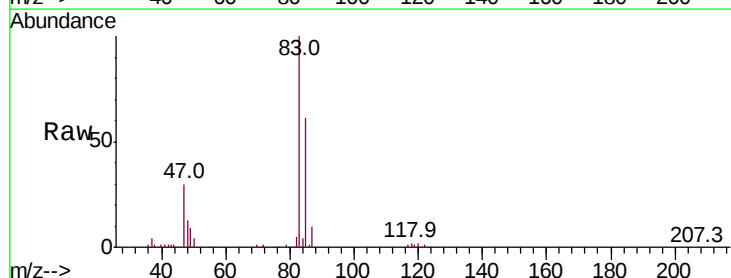
Manual Integrations
APPROVED

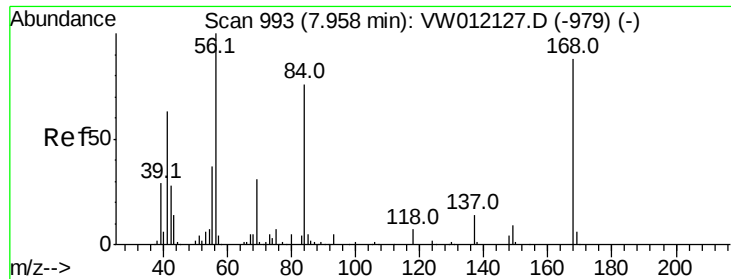
MMDadoda
9/3/2019 10:56:23 AM



#30
Chloroform
Concen: 21.693 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion:	83	Resp:	85301
Ion Ratio	Lower	Upper	
83	100		
85	61.2	50.6	76.0





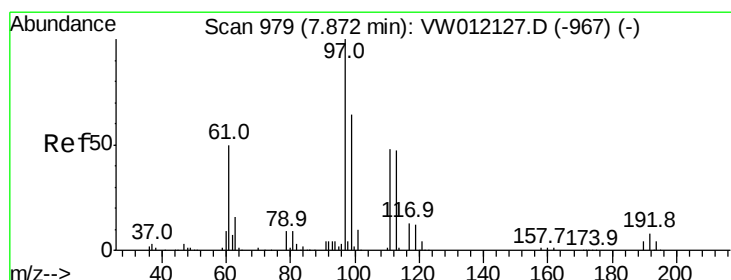
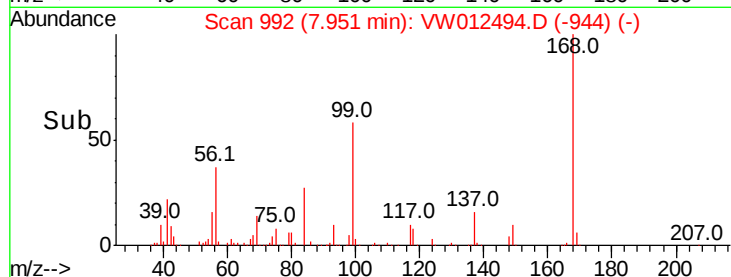
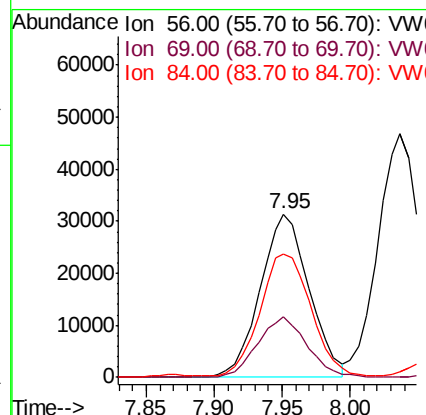
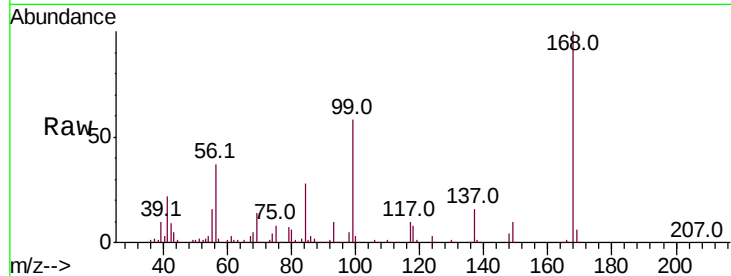
#31
Cyclohexane
Concen: 18.480 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	24.9	37.3
84	74.6	60.6	90.8

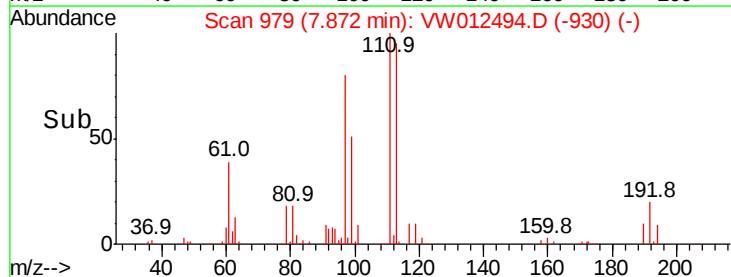
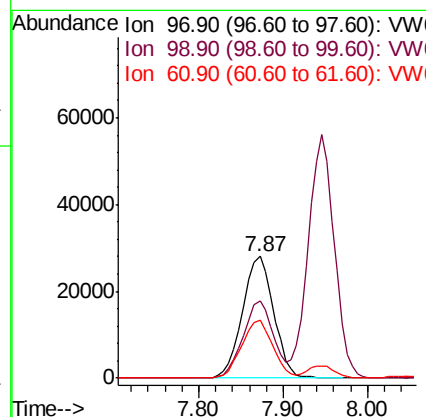
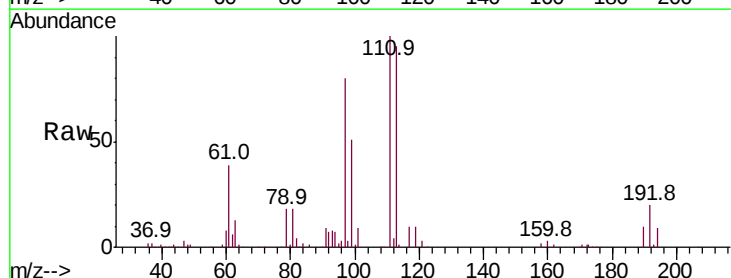
Manual Integrations
APPROVED

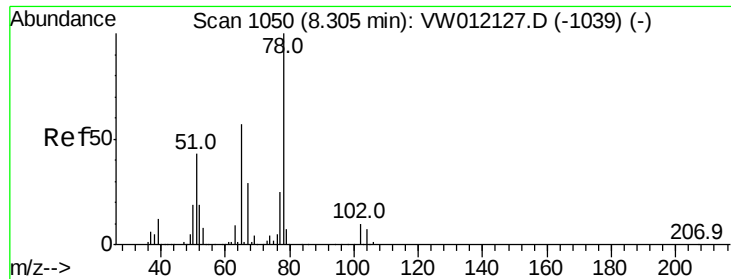
MMDadoda
9/3/2019 10:56:23 AM



#32
1,1,1-Trichloroethane
Concen: 22.528 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.2	51.4	77.0
61	48.0	39.5	59.3





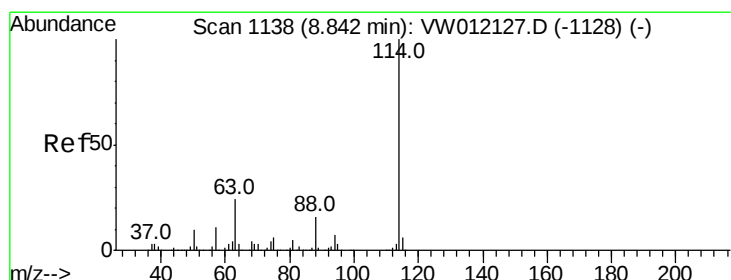
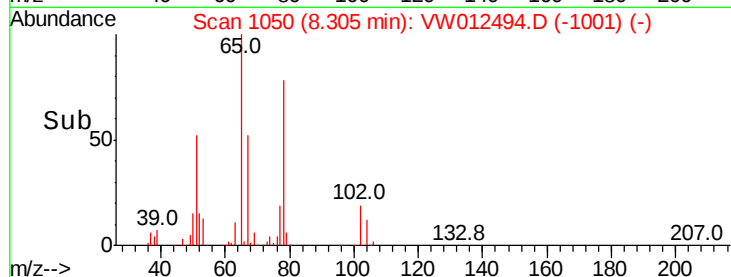
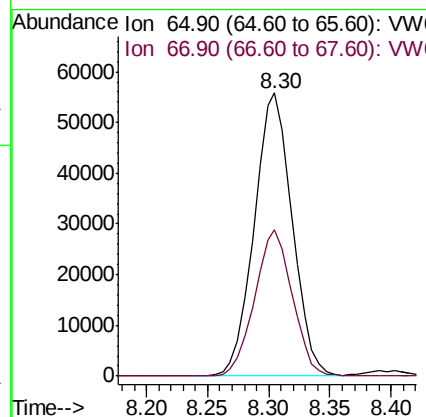
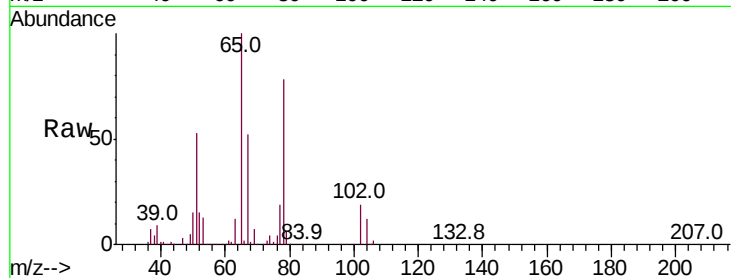
#33
 1,2-Dichloroethane-d4
 Concen: 51.092 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.6

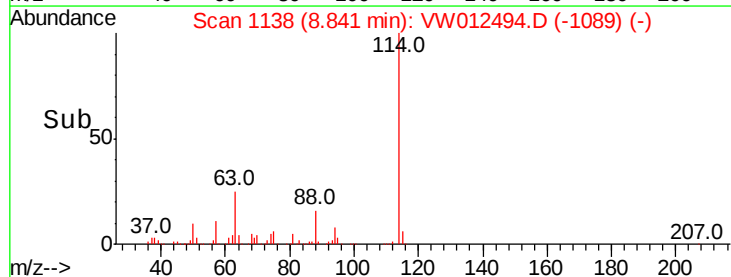
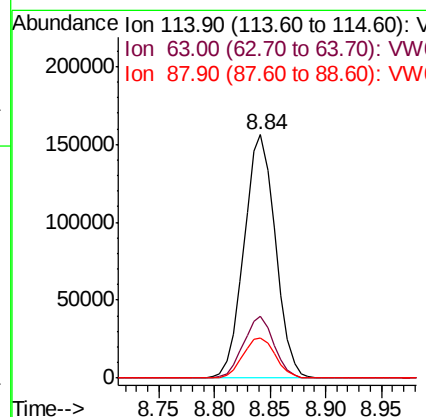
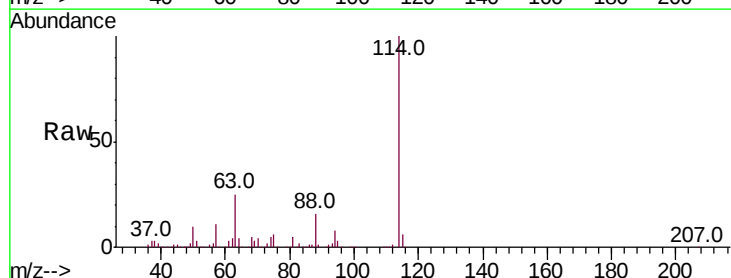
Manual Integrations
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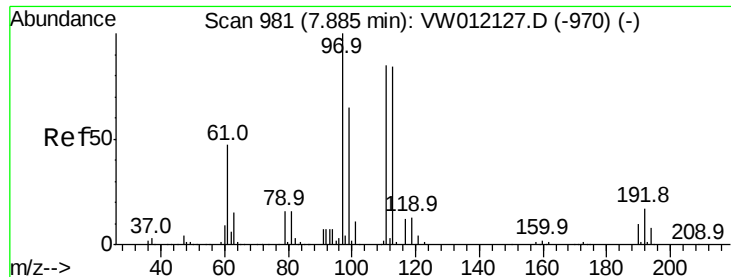
MMDadoda
 9/3/2019 10:56:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.3	0.0	48.6
88	16.3	0.0	32.2





#35

Dibromofluoromethane

Concen: 52.052 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion:113 Resp: 95003

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

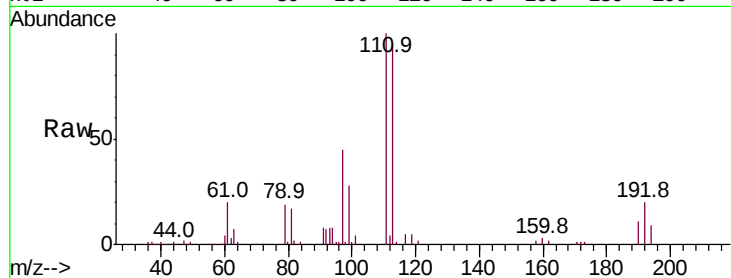
192 21.4 16.2 24.2

Manual Integrations

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MMDadoda

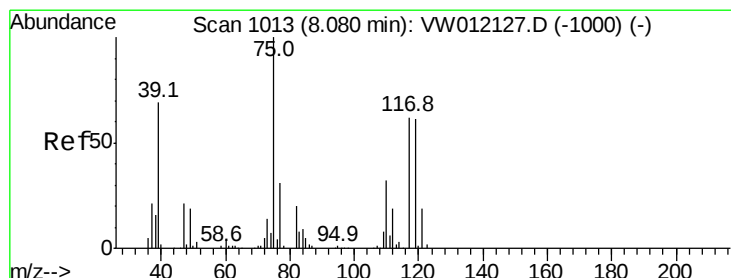
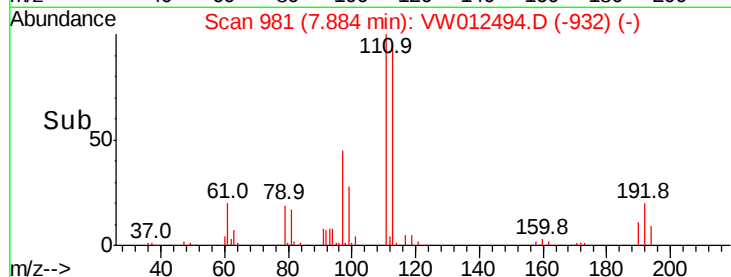
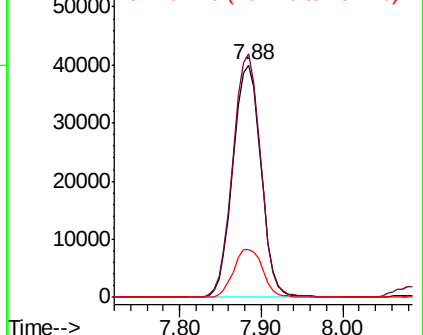
9/3/2019 10:56:23 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.966 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

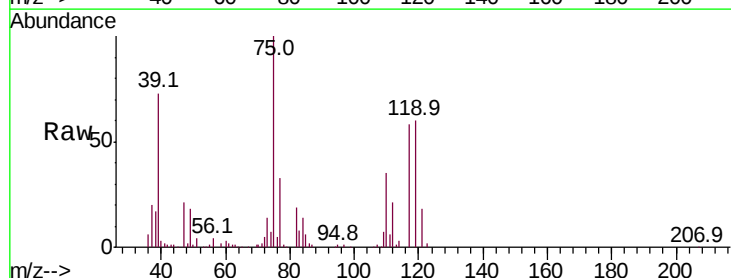
Tgt Ion: 75 Resp: 66249

Ion Ratio Lower Upper

75 100

110 32.1 15.6 46.8

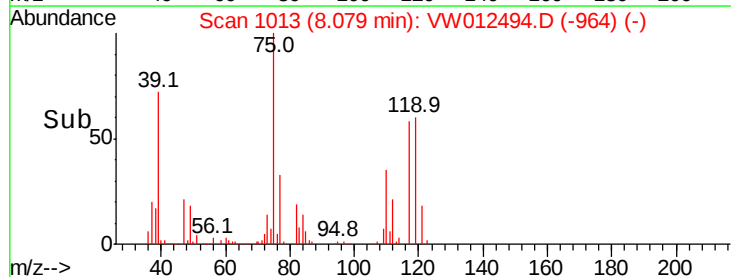
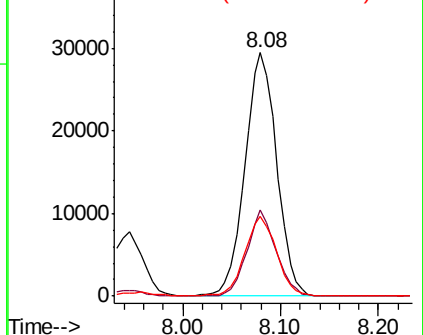
77 32.9 24.6 36.8

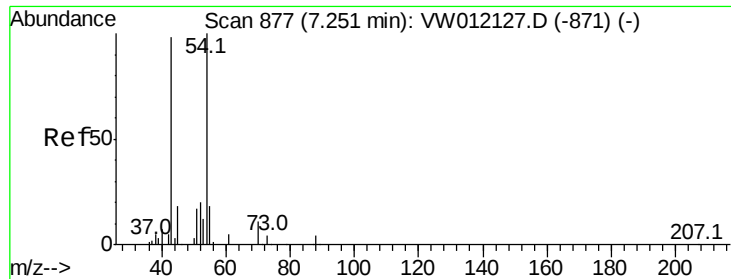


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





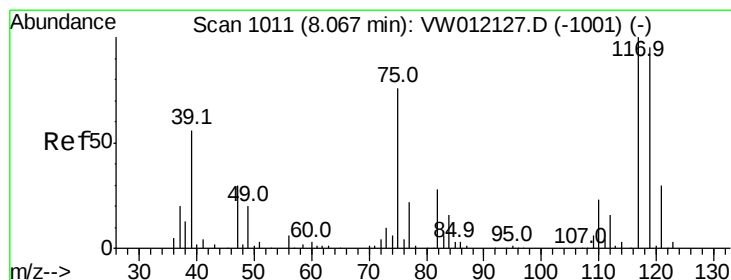
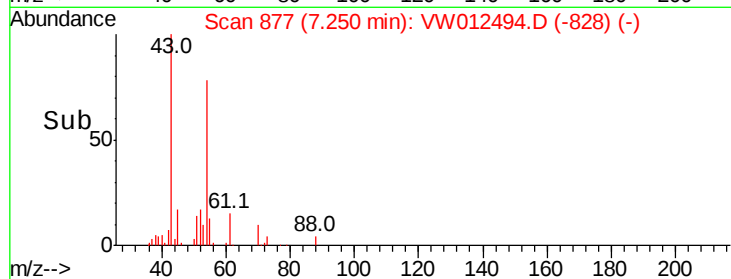
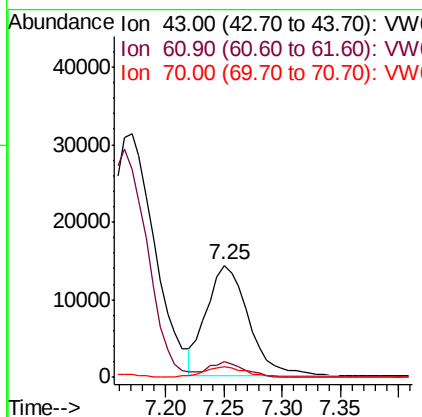
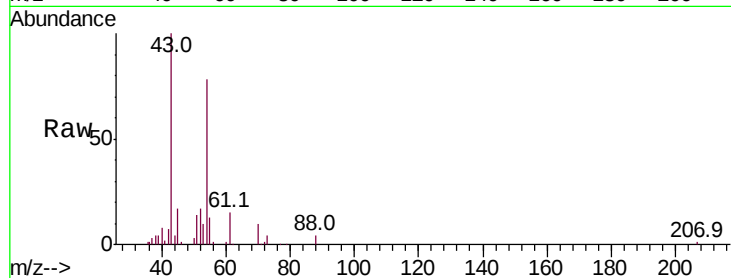
#37
Ethyl Acetate
Concen: 20.797 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.2	13.8
70	9.3	6.9	10.3

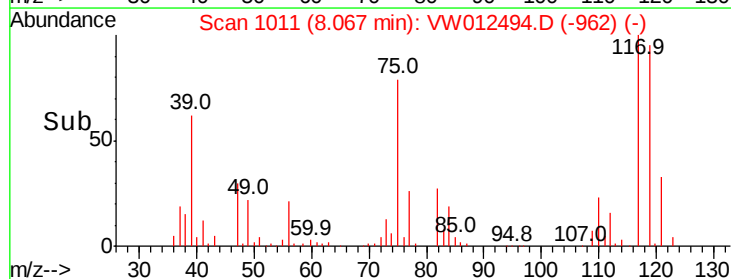
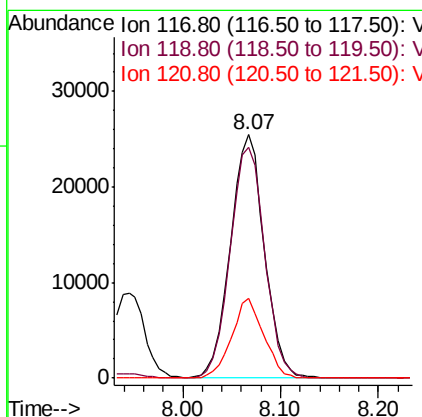
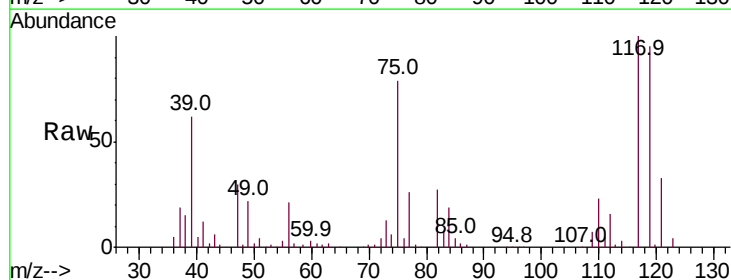
Manual Integrations
APPROVED

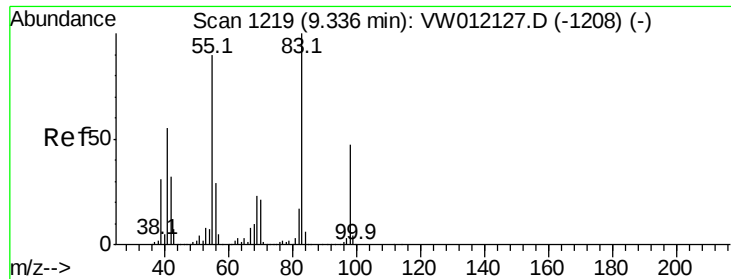
MMDadoda
9/3/2019 10:56:23 AM



#38
Carbon Tetrachloride
Concen: 22.395 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.2	114.2
121	32.6	23.8	35.8





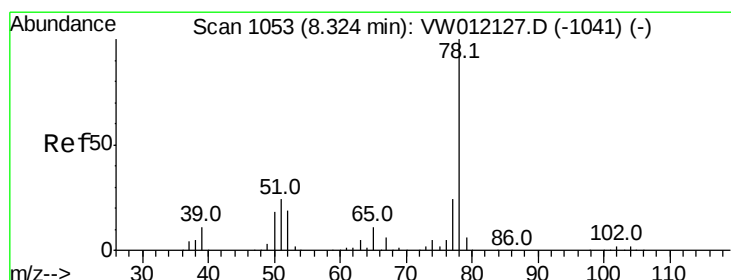
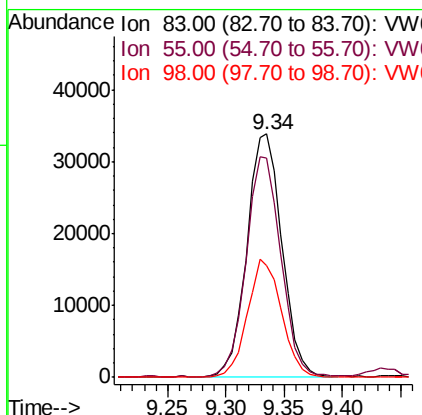
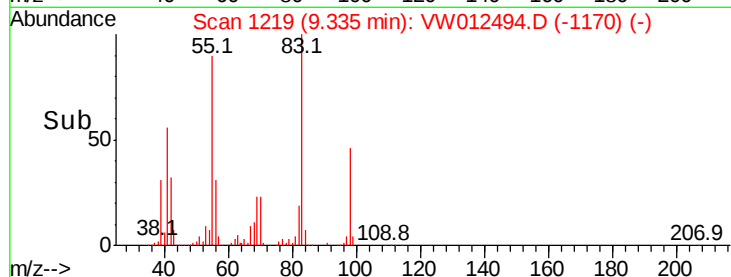
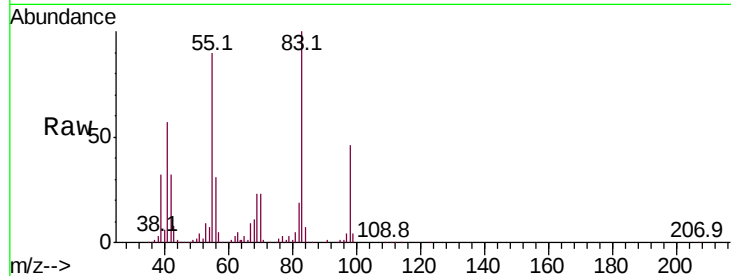
#39
Methvlcvclohexane
Concen: 20.087 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	83	Resp	71304
Ion	Ratio	Lower	Upper
83	100		
55	89.6	71.8	107.8
98	46.1	37.8	56.8

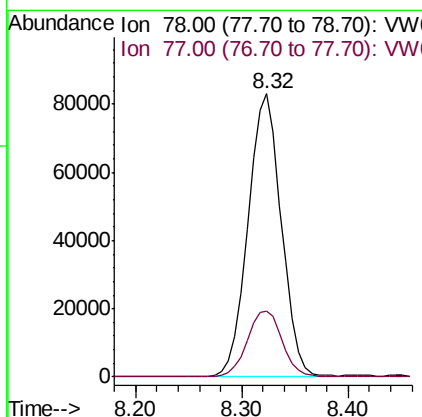
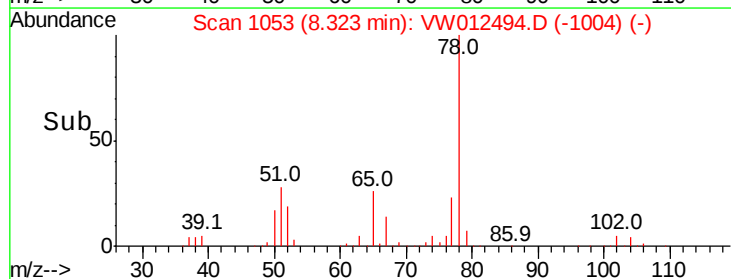
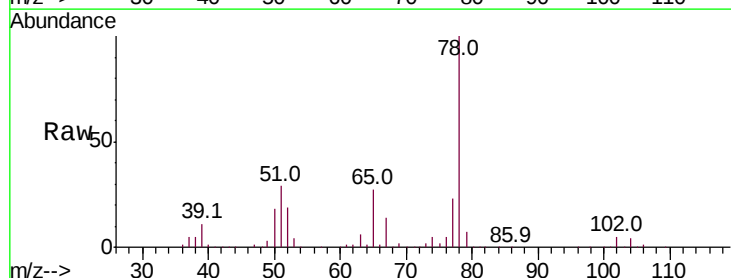
Manual Integrations
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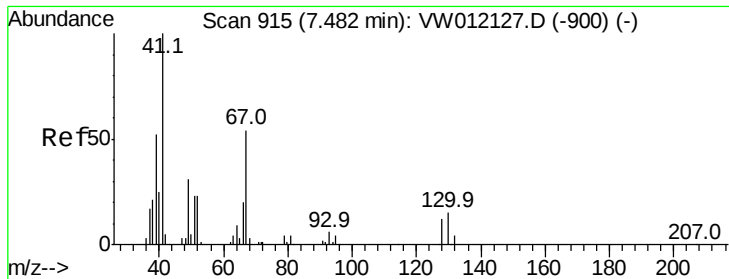
MMDadoda
9/3/2019 10:56:23 AM



#40
Benzene
Concen: 21.152 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	78	Resp	182498
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.5	29.3





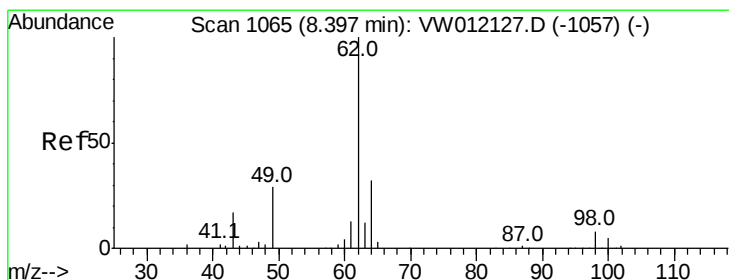
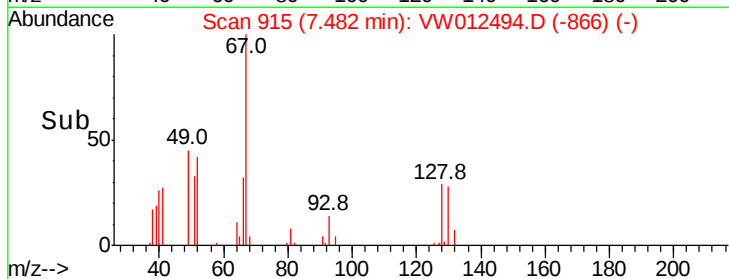
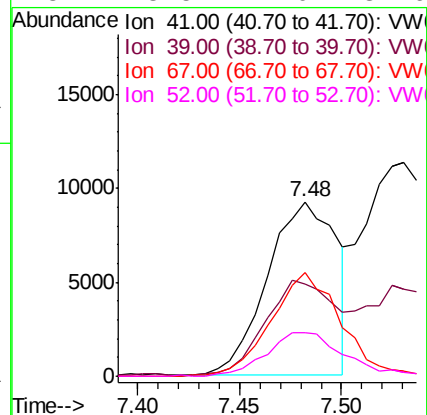
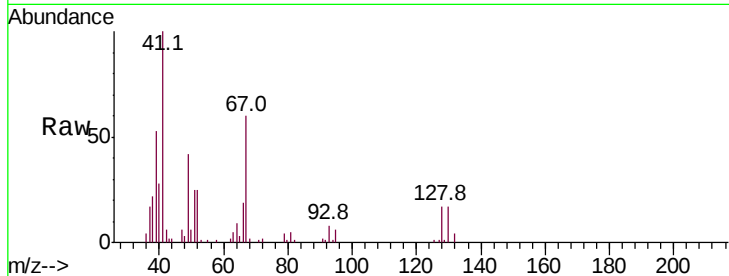
#41
Methacrylonitrile
Concen: 21.416 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD01

Tot Ion	41	Resp	21795
Ion	Ratio	Lower	Upper
41	100		
39	61.2	45.8	68.8
67	60.6	46.2	69.4
52	28.5	21.0	31.6

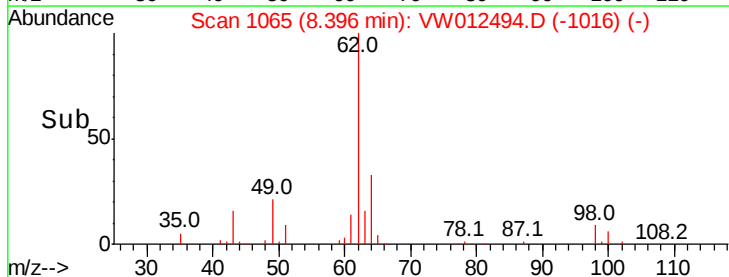
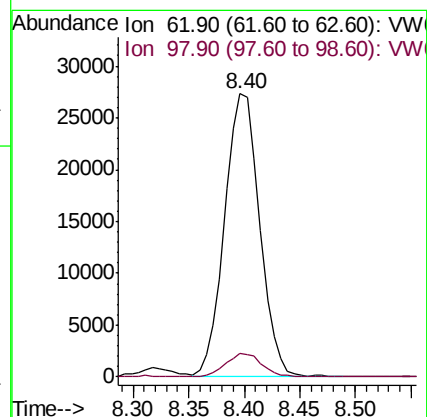
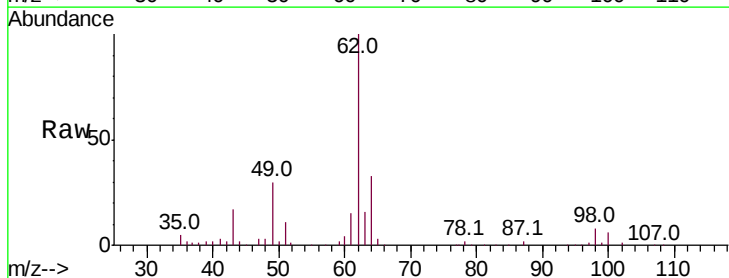
Manual Integrations
APPROVED

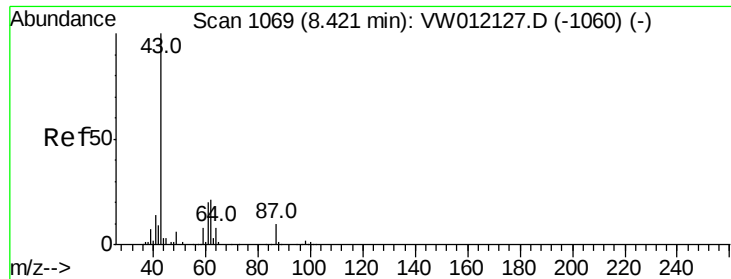
MMDadoda
9/3/2019 10:56:23 AM



#42
1,2-Dichloroethane
Concen: 22.119 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	62	Resp	59813
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





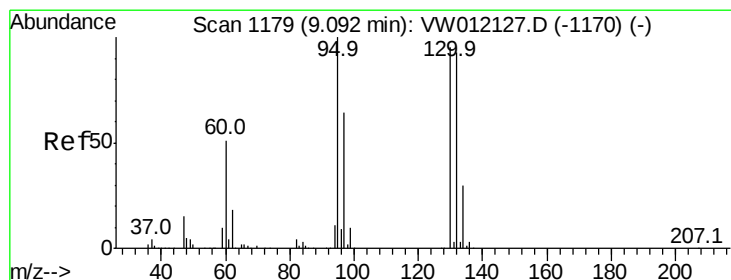
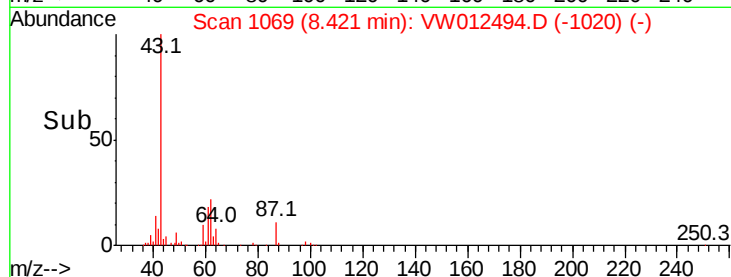
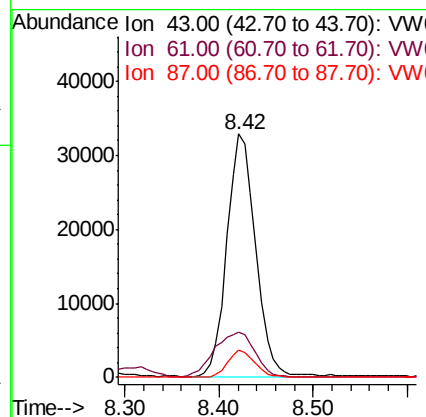
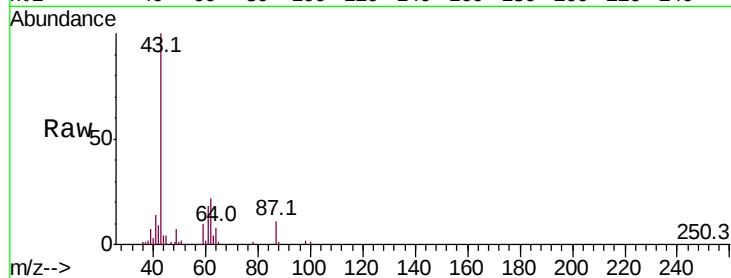
#43
Isopropyl Acetate
Concen: 21.718 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	21.1	31.7
87	10.7	8.2	12.2

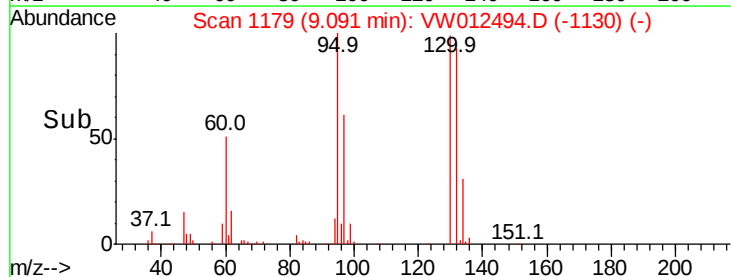
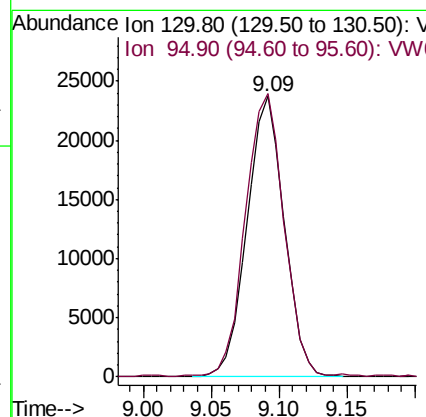
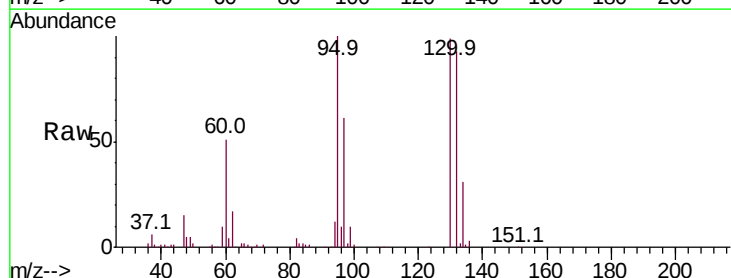
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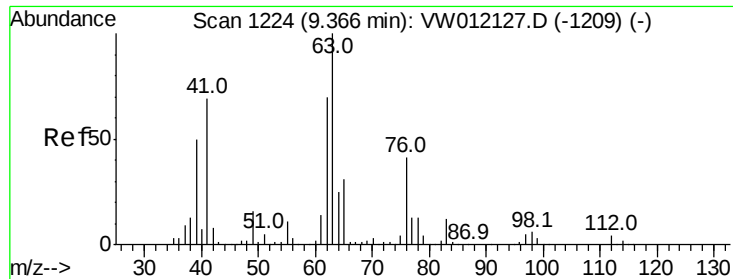
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#44
Trichloroethene
Concen: 21.670 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	210.6





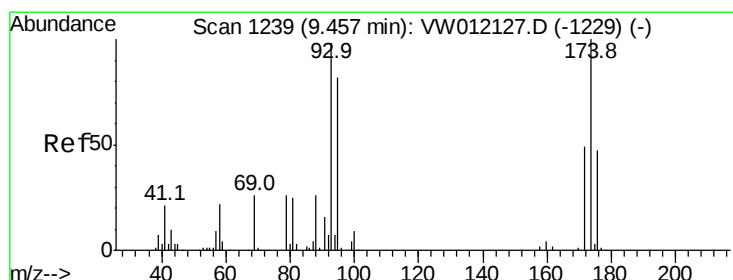
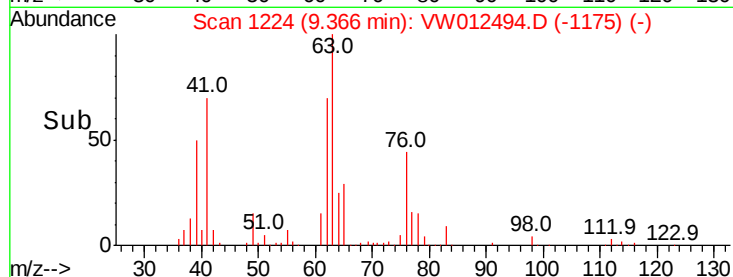
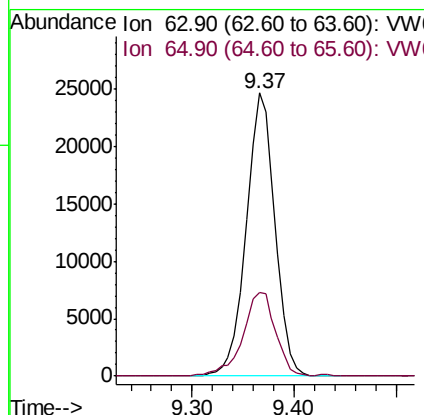
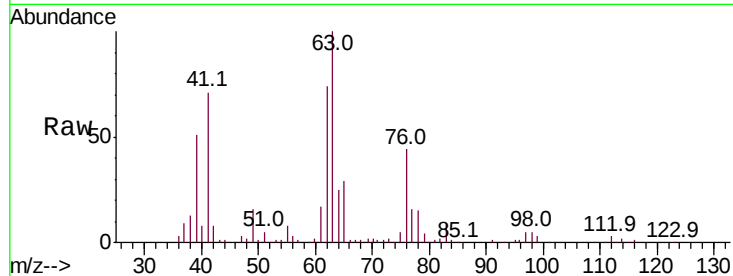
#45
 1,2-Dichloropropane
 Concen: 20.813 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS01

Tot Ion: 63 Resp: 48329
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.0 37.4

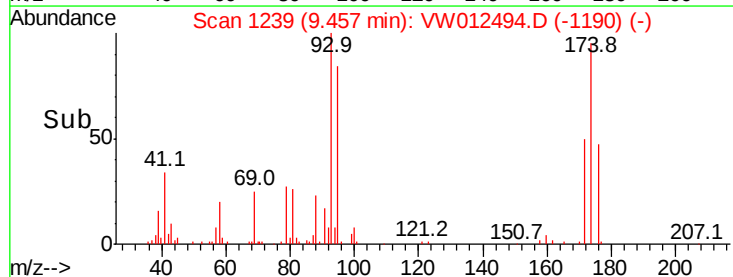
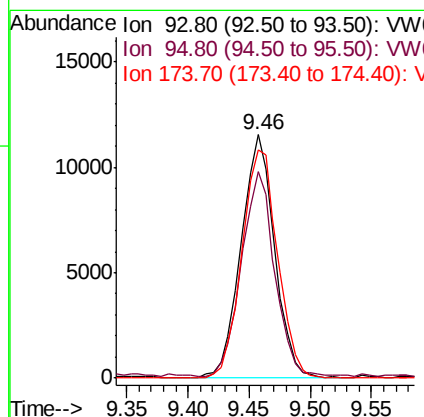
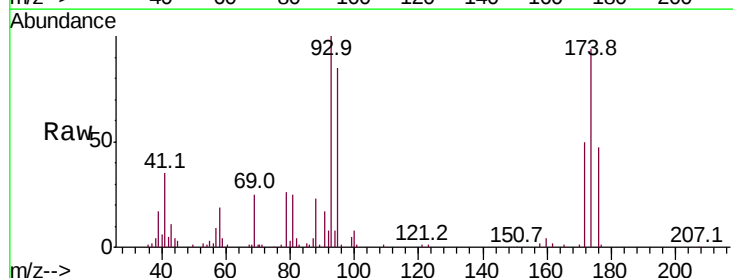
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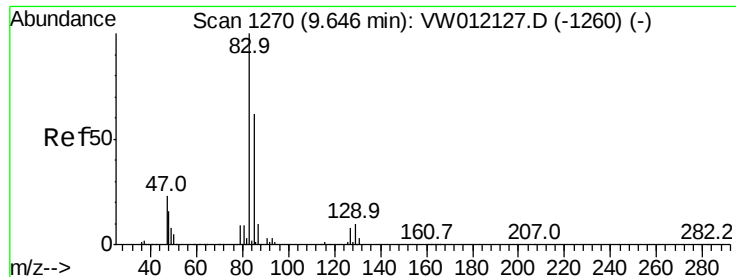
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#46
 Dibromomethane
 Concen: 21.257 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion: 93 Resp: 21962
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.2 100.8
 174 99.8 79.0 118.6





#47

Bromodichloromethane

Concen: 21.607 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

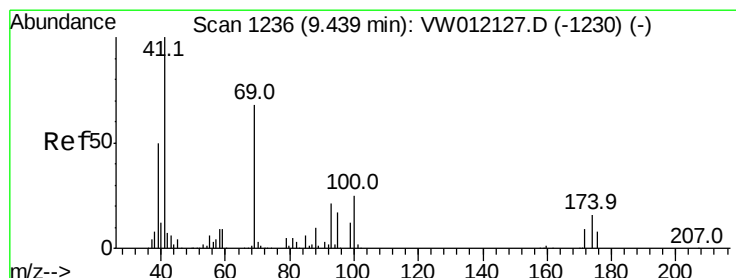
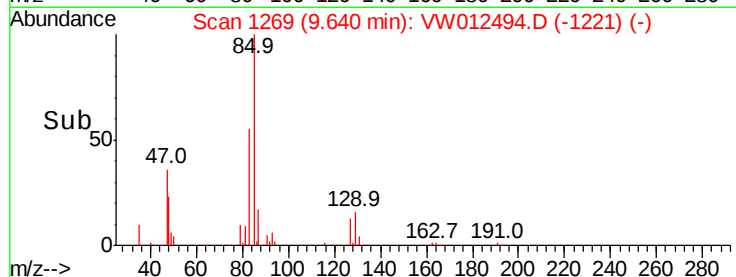
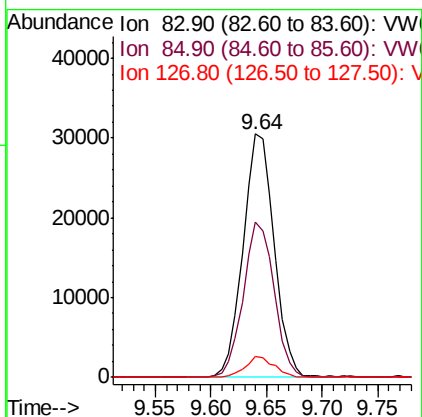
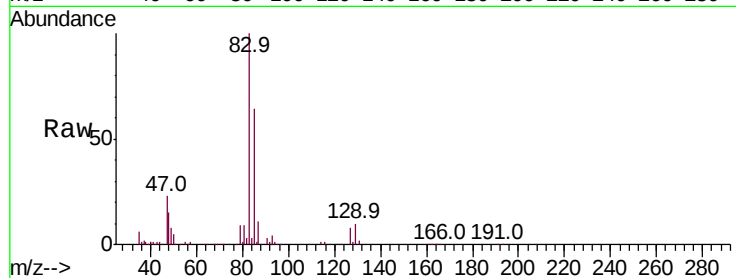
ClientSampleId :

VW0902SBSD01

Tot Ion:	83	Resp:	59412
Ion Ratio	Lower	Upper	
83	100		
85	64.0	49.4	74.2
127	8.5	6.1	9.1

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#48

Methyl methacrylate

Concen: 21.294 ug/l

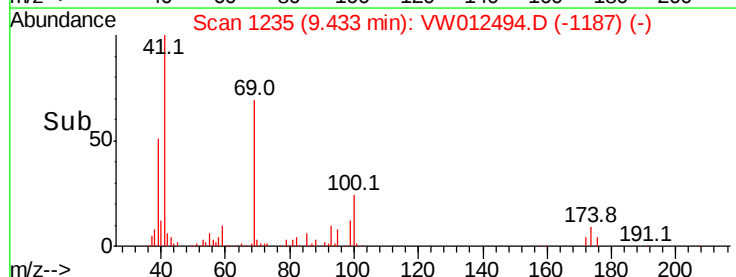
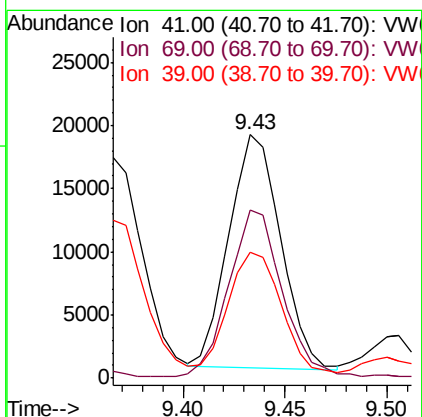
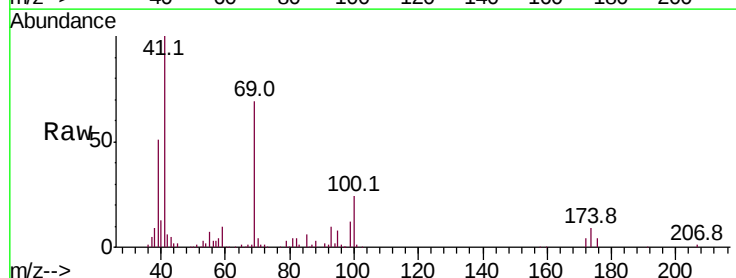
RT: 9.43 min Scan# 1235

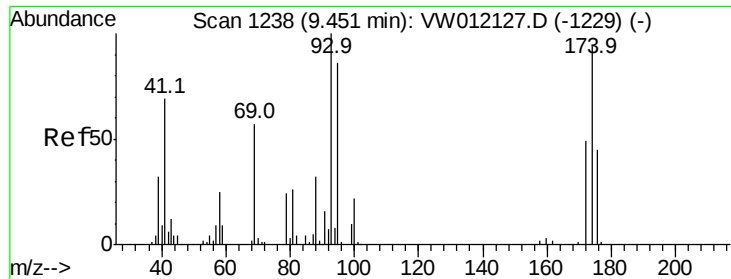
Delta R.T. -0.01 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Tgt Ion:	41	Resp:	32505
Ion Ratio	Lower	Upper	
41	100		
69	74.5	56.7	85.1
39	52.3	42.0	63.0





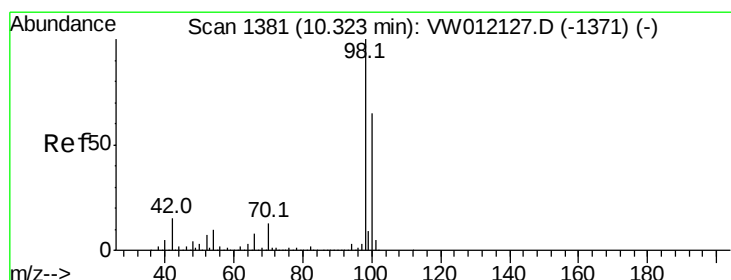
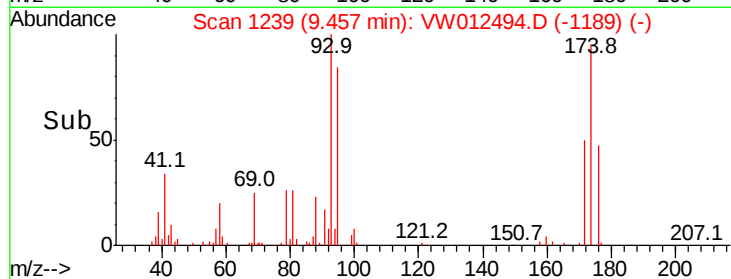
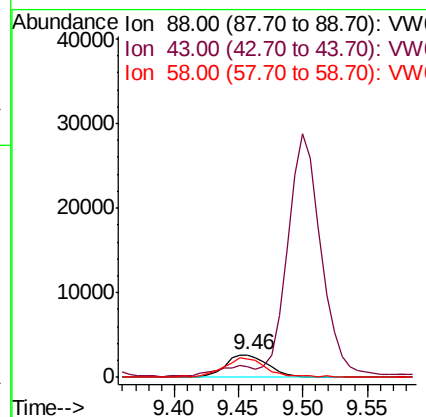
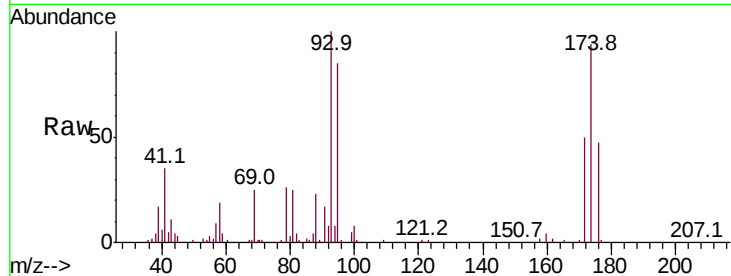
#49
1,4-Dioxane
Concen: 393.705 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	88	Resp	6227
Ion	Ratio	Lower	Upper
88	100		
43	43.2	32.9	49.3
58	87.9	71.0	106.4

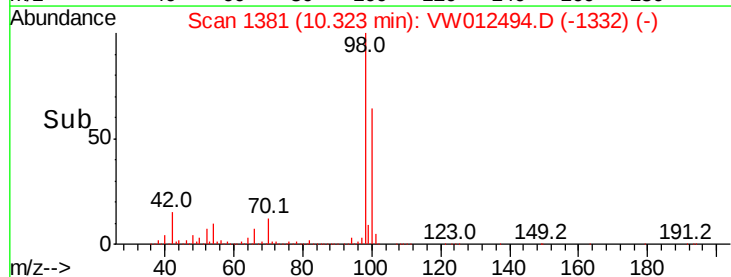
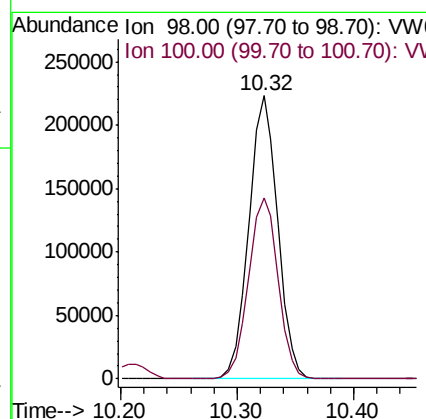
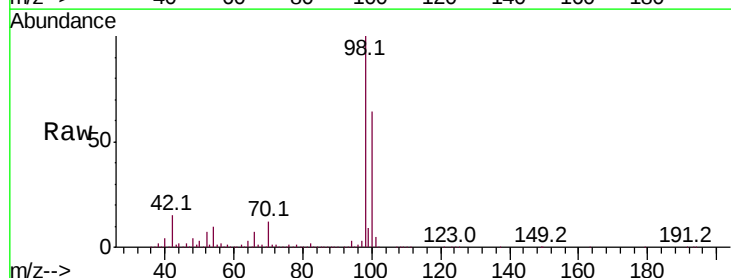
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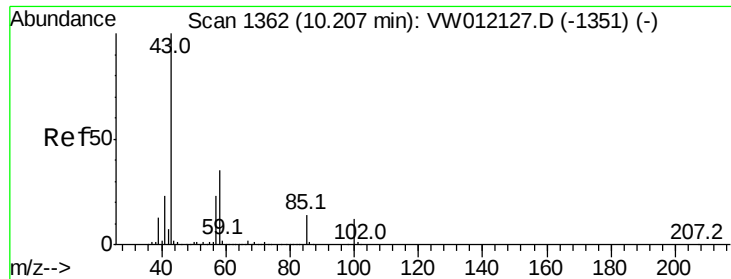
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#50
Toluene-d8
Concen: 52.178 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	98	Resp	386141
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6





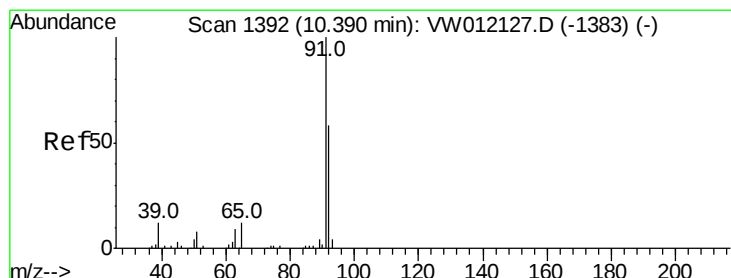
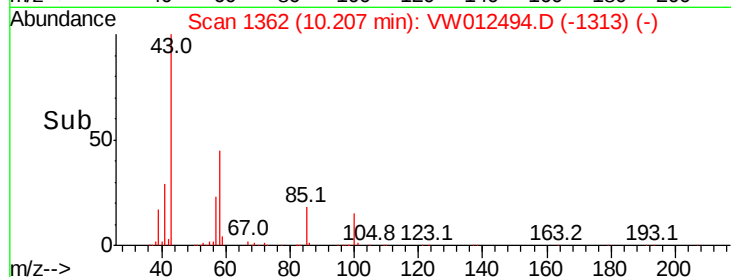
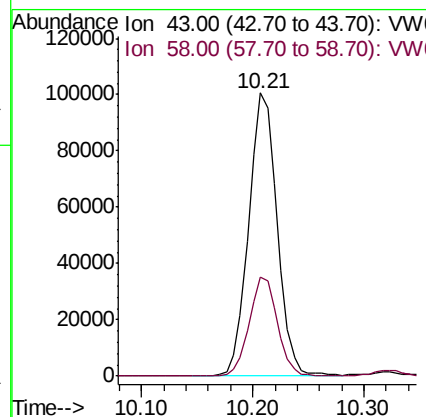
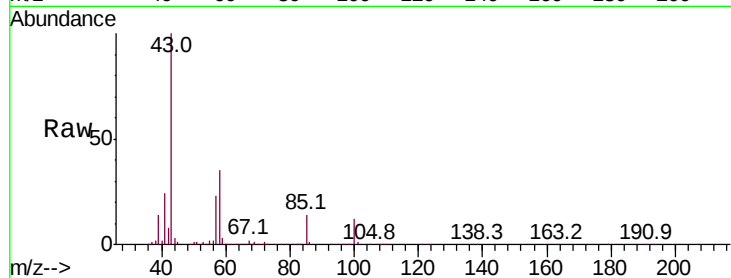
#51
4-Methyl-2-Pentanone
Concen: 109.265 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBS01

Tot Ion	43	58	Ratio	100	34.7	Resp	178248	Lower	28.2	Upper	42.2
Ion	43	58	Ratio	100	34.7	Resp	178248	Lower	28.2	Upper	42.2

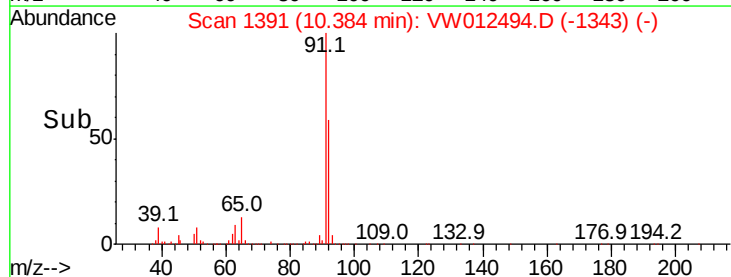
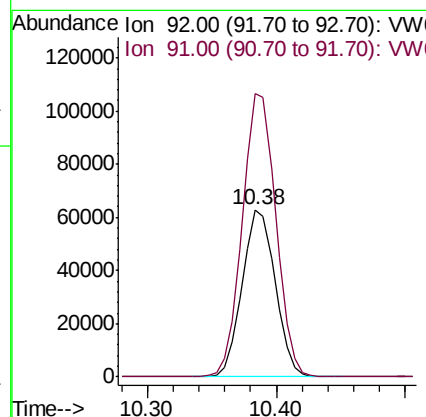
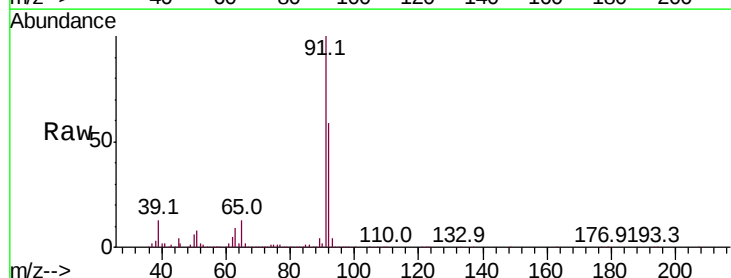
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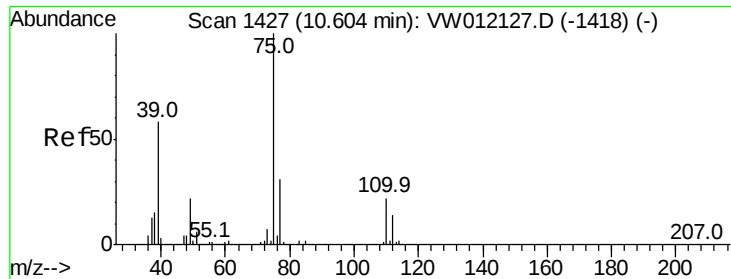
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#52
Toluene
Concen: 21.413 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	92	91	Ratio	100	173.6	Resp	110987	Lower	136.6	Upper	204.8
Ion	92	91	Ratio	100	173.6	Resp	110987	Lower	136.6	Upper	204.8





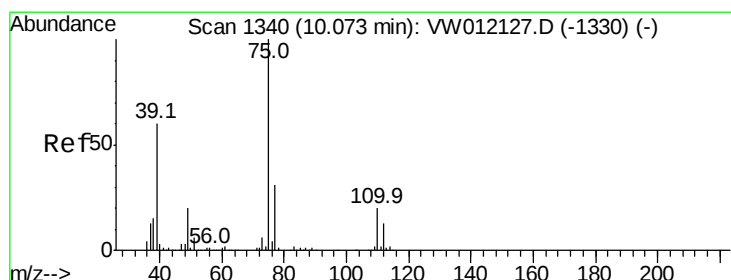
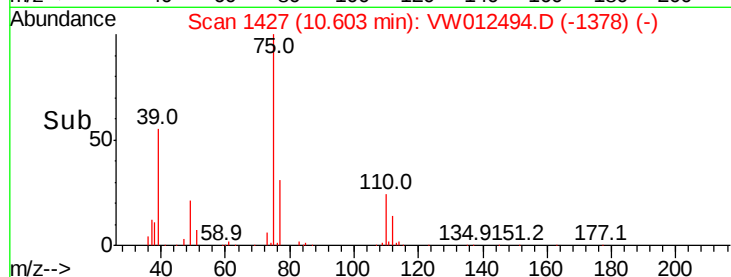
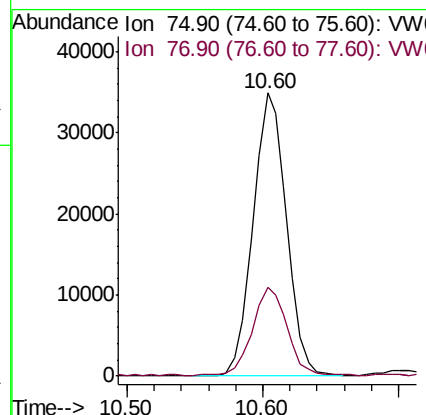
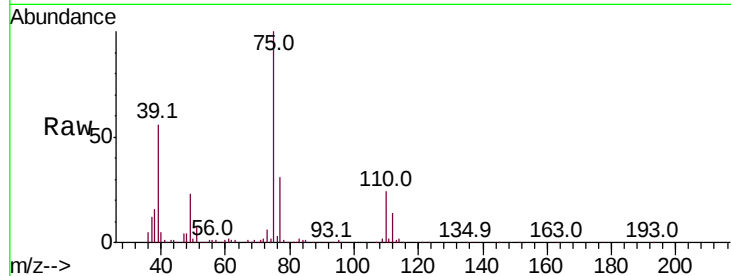
#53
 t-1,3-Dichloropropene
 Concen: 21.438 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4

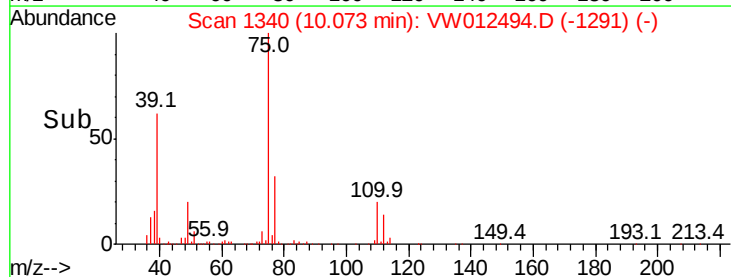
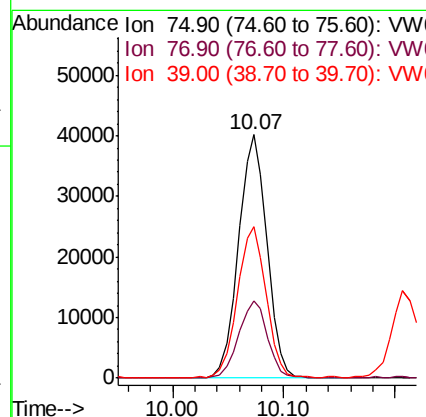
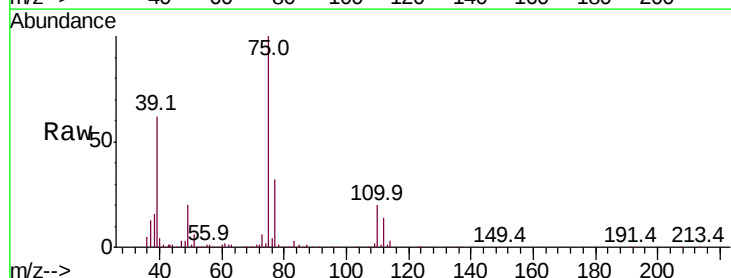
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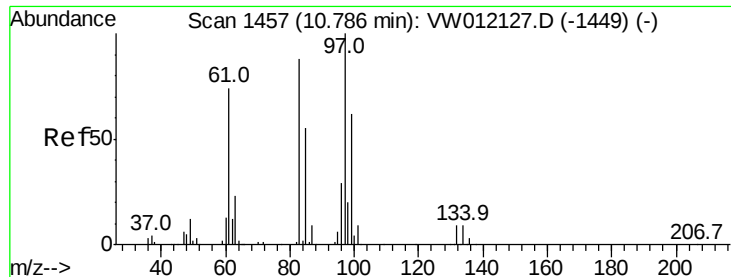
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#54
 cis-1,3-Dichloropropene
 Concen: 20.970 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	61.9	48.3	72.5





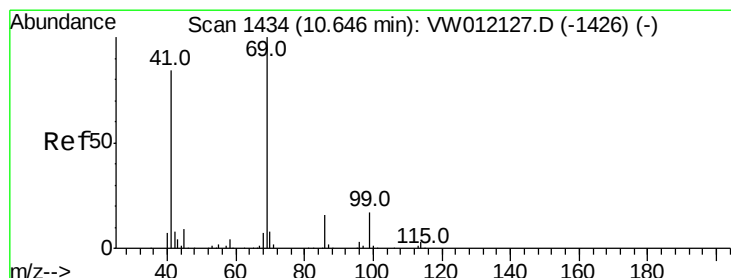
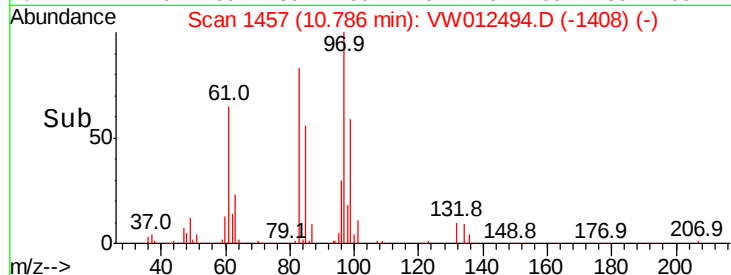
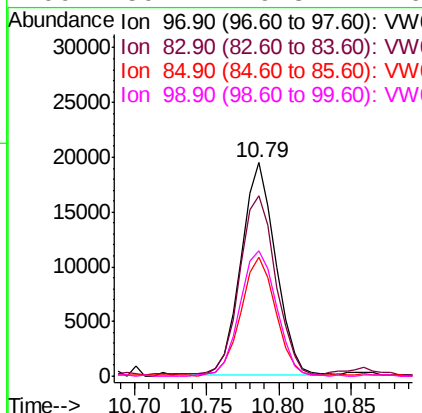
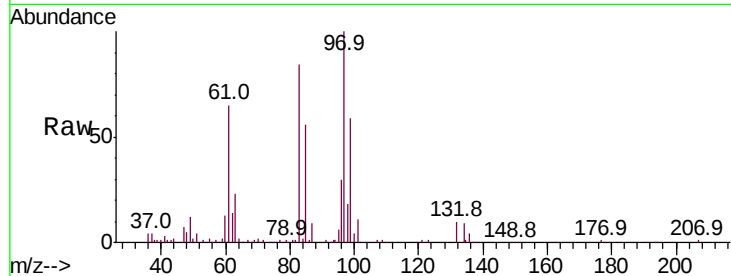
#55
 1,1,2-Trichloroethane
 Concen: 21.840 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion:	97	Resp:	31925
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.8	106.2
85	55.9	43.8	65.8
99	59.1	49.8	74.6

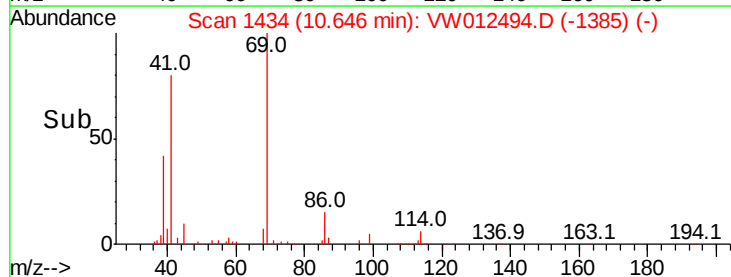
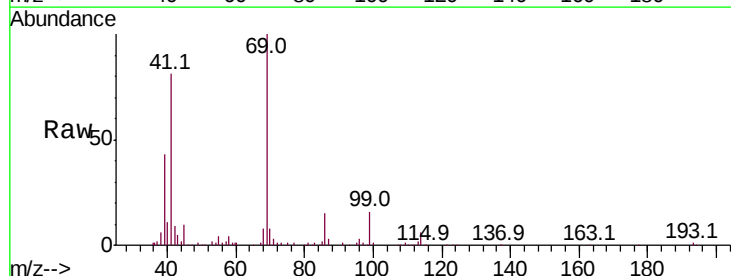
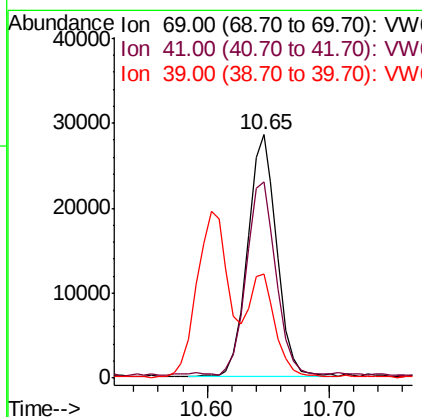
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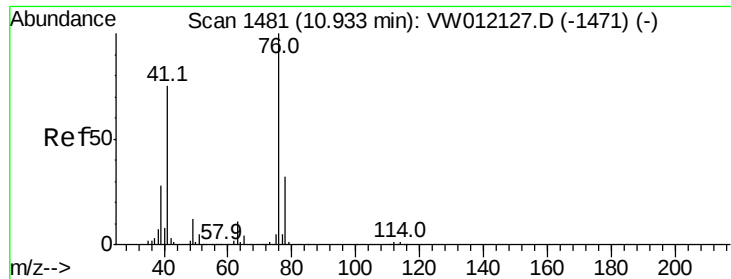
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#56
 Ethyl methacrylate
 Concen: 22.147 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion:	69	Resp:	47117
Ion	Ratio	Lower	Upper
69	100		
41	80.0	66.5	99.7
39	38.0	31.0	46.4





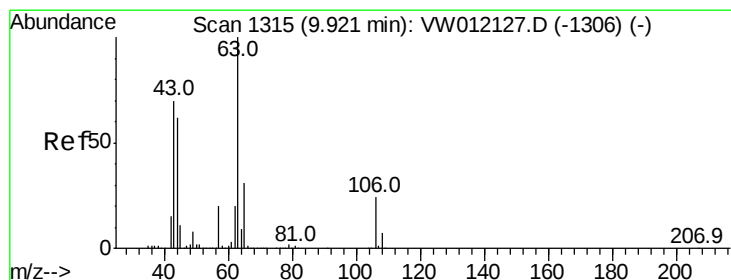
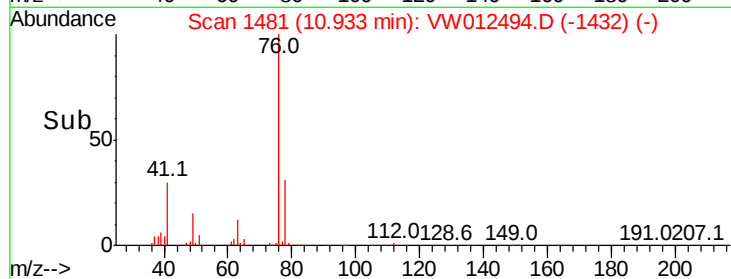
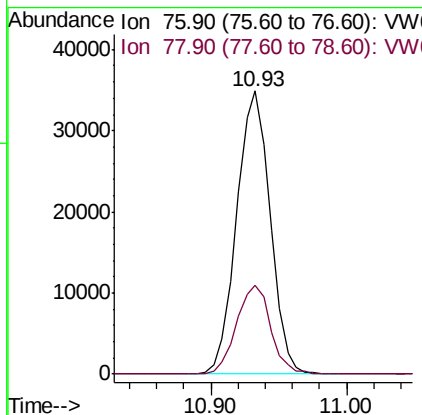
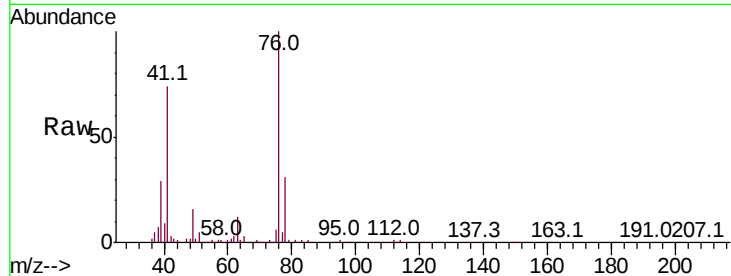
#57
 1,3-Dichloropropane
 Concen: 21.804 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion: 76 Resp: 60231
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

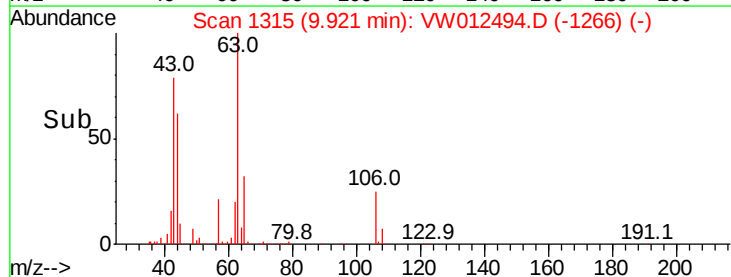
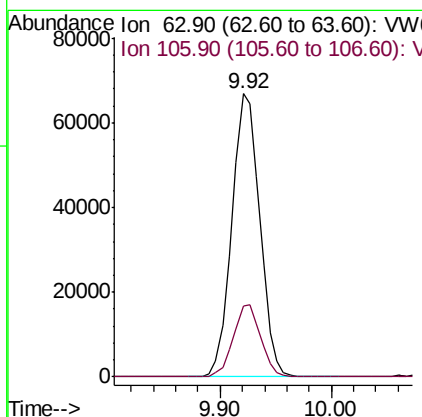
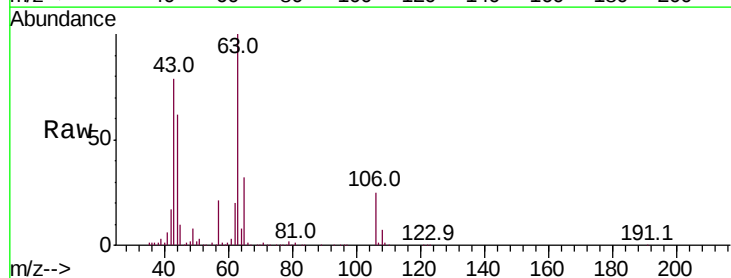
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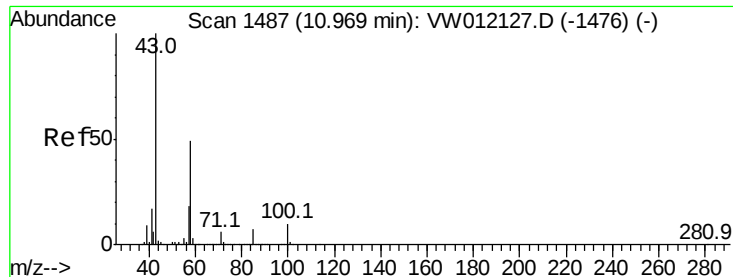
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.277 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion: 63 Resp: 116041
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.8 29.8





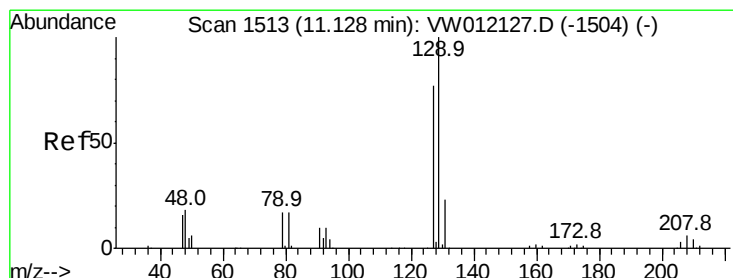
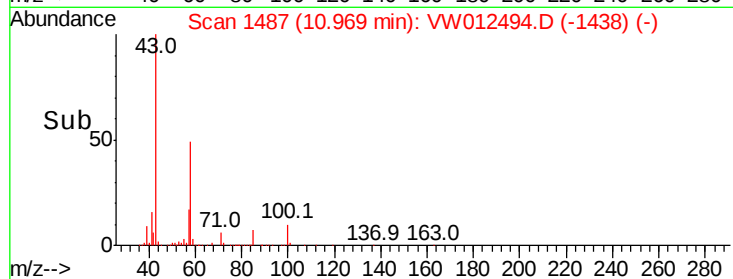
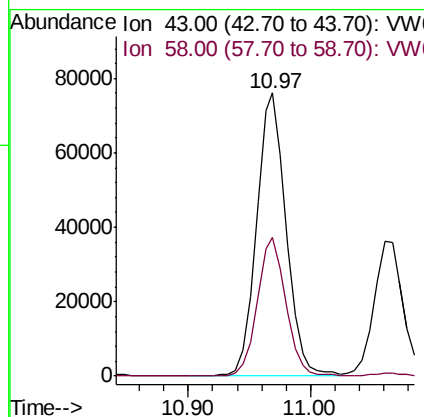
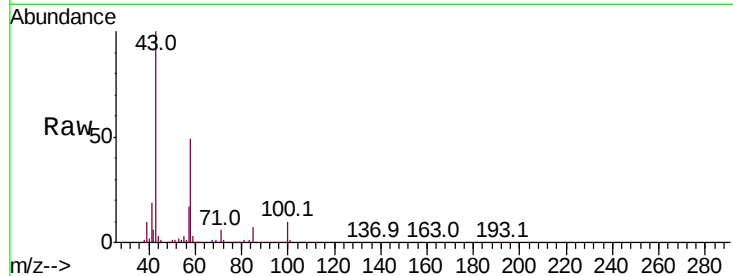
#59
2-Hexanone
Concen: 109.816 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	43	58	Ratio	100	47.6	Resp	126758	Lower	24.3	Upper	72.9
Ion	43	58	Ratio	100	47.6	Resp	126758	Lower	24.3	Upper	72.9

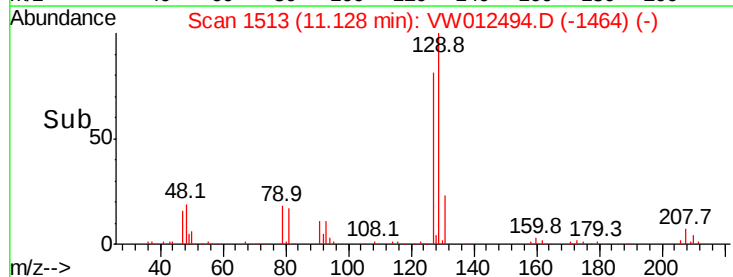
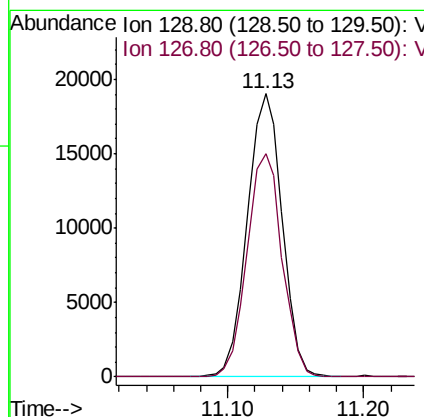
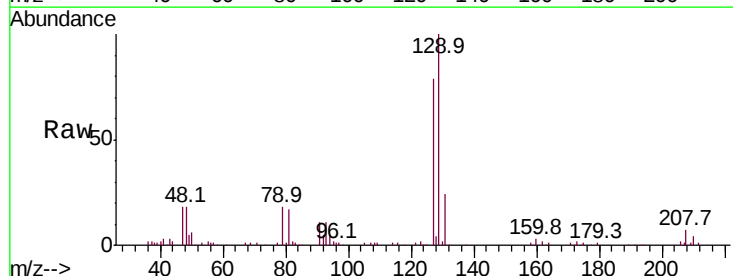
Manual Integrations
APPROVED

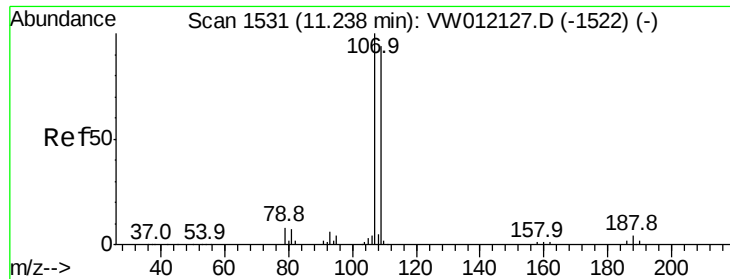
MMDadoda
9/3/2019 10:56:23 AM



#60
Dibromochloromethane
Concen: 21.003 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	129	127	Ratio	100	79.5	Resp	34196	Lower	38.6	Upper	115.8
Ion	129	127	Ratio	100	79.5	Resp	34196	Lower	38.6	Upper	115.8





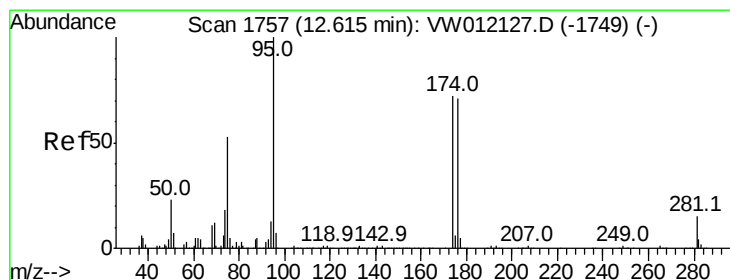
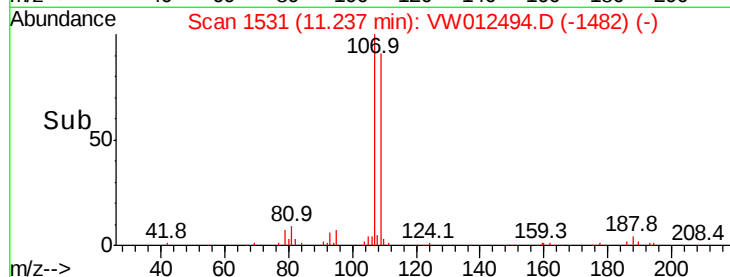
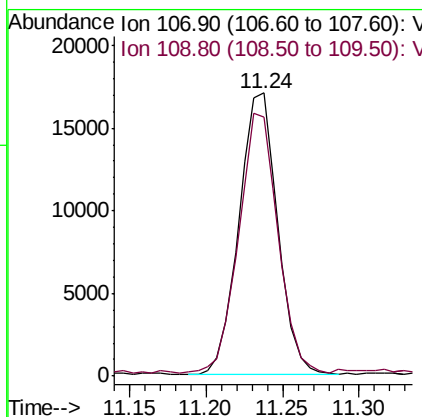
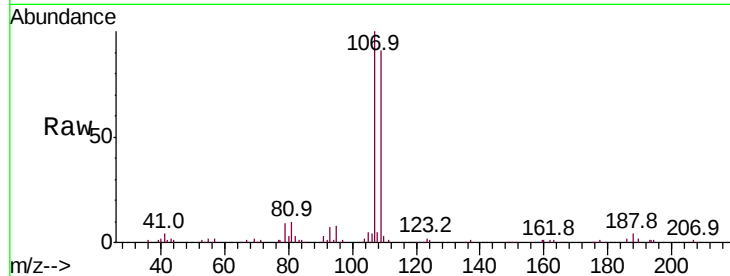
#61
 1,2-Dibromoethane
 Concen: 21.907 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.4	113.2

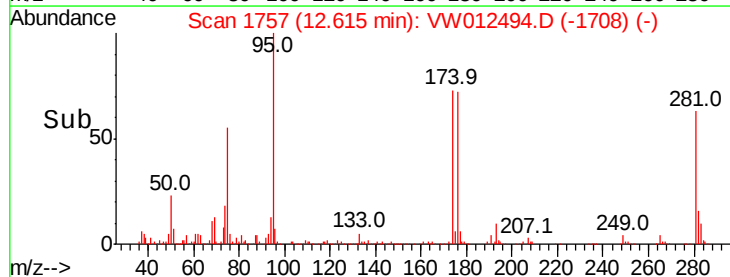
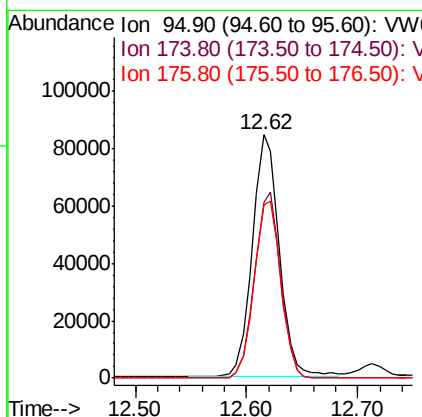
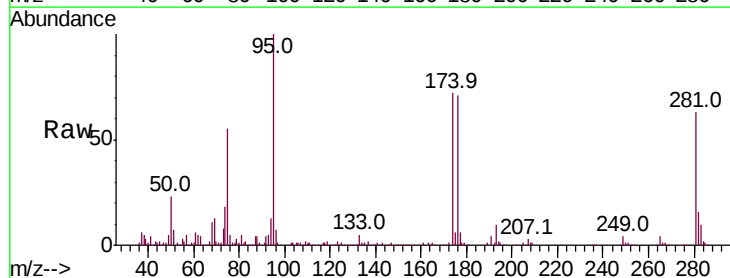
Manual Integrations
 APPROVED

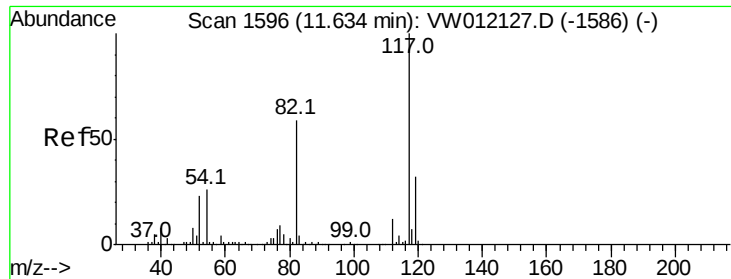
MMDadoda
 9/3/2019 10:56:23 AM



#62
 4-Bromofluorobenzene
 Concen: 55.019 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	150.8
176	71.7	0.0	148.6





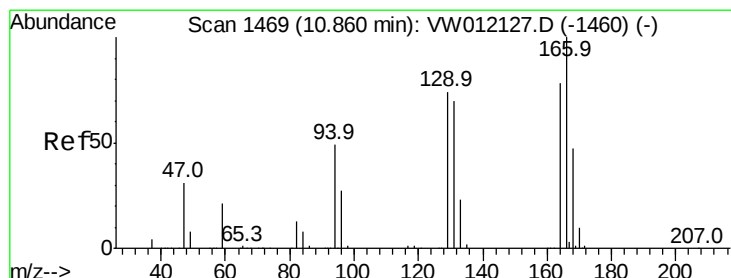
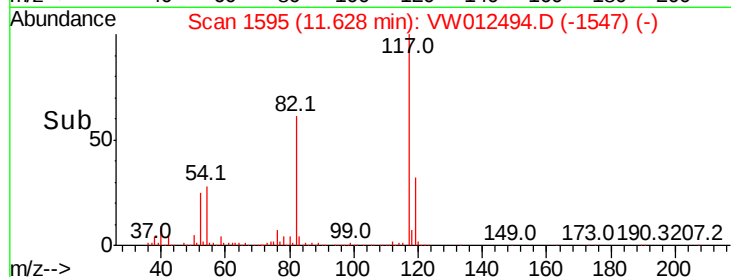
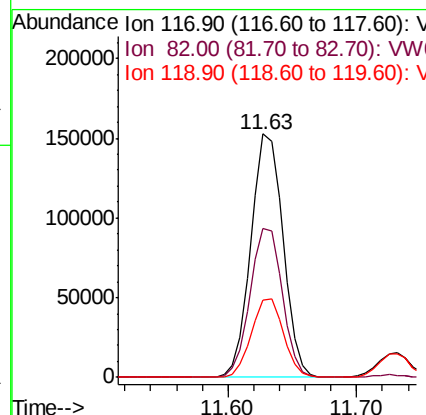
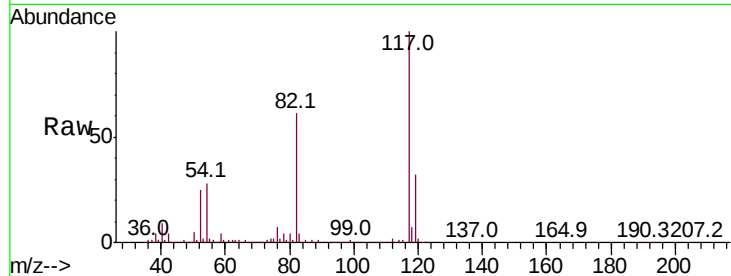
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262976		
82	61.3		47.4	71.2
119	31.8		25.4	38.2

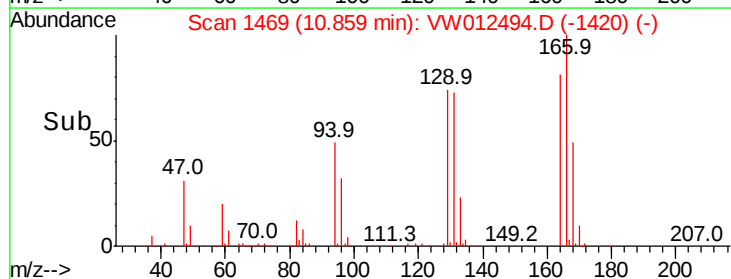
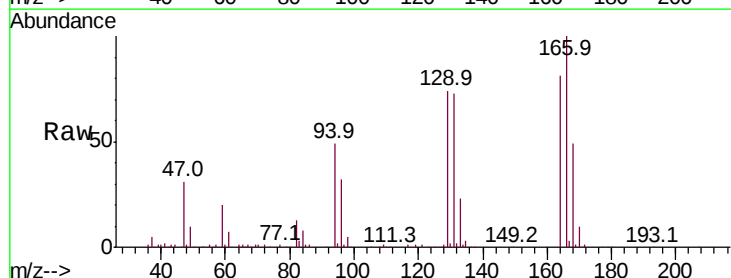
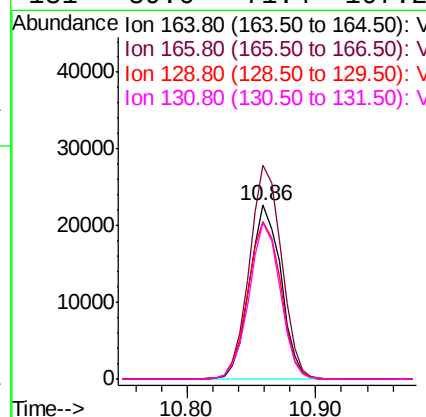
Manual Integrations
APPROVED

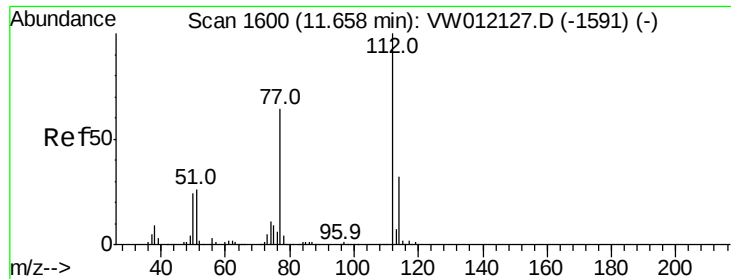
MMDadoda
9/3/2019 10:56:23 AM



#64
Tetrachloroethene
Concen: 22.395 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38182		
166	122.9		102.4	153.6
129	90.5		75.8	113.6
131	89.6		71.4	107.2





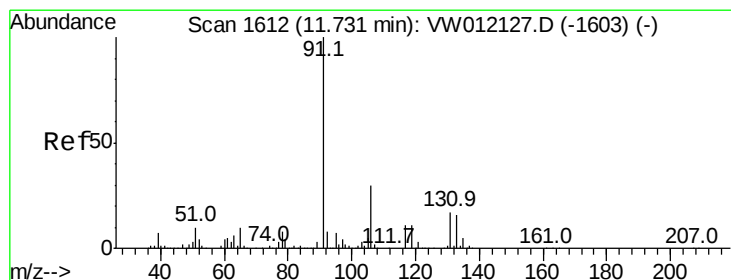
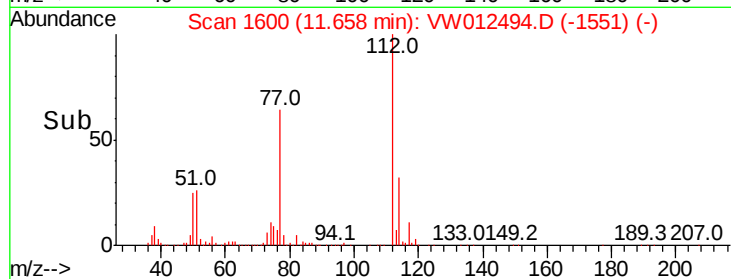
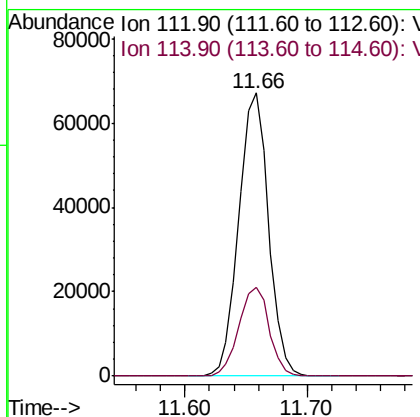
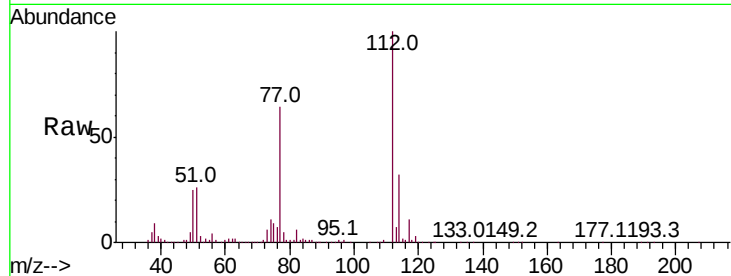
#65
Chlorobenzene
Concen: 21.878 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

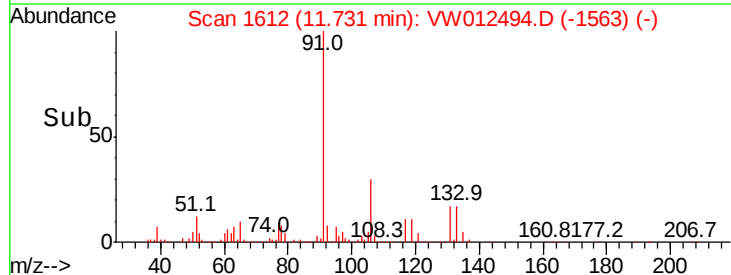
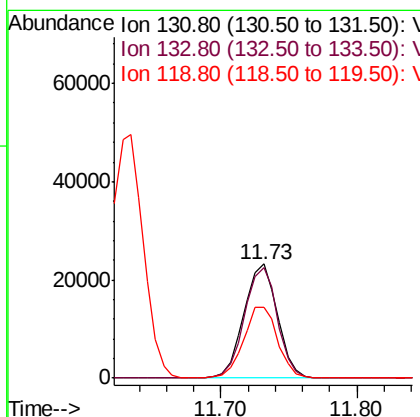
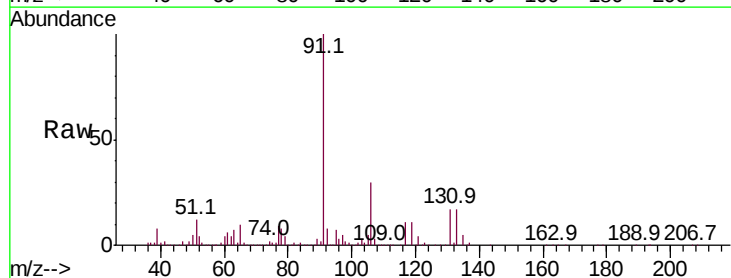
Manual Integrations
APPROVED

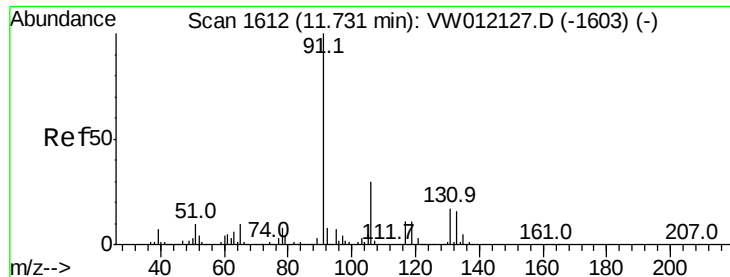
MMDadoda
9/3/2019 10:56:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.294 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.1	141.3
119	63.0	31.8	95.3





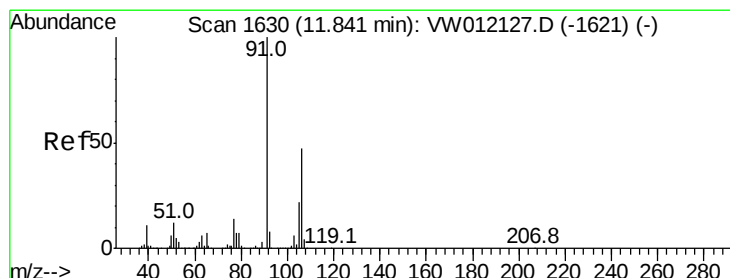
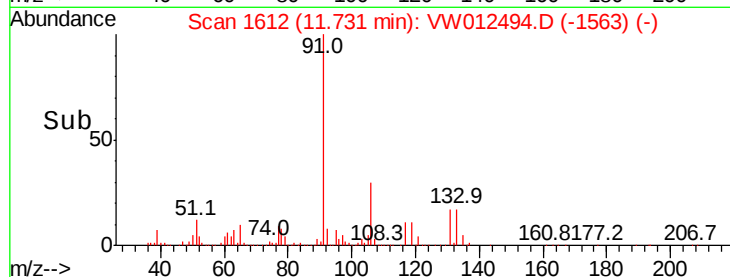
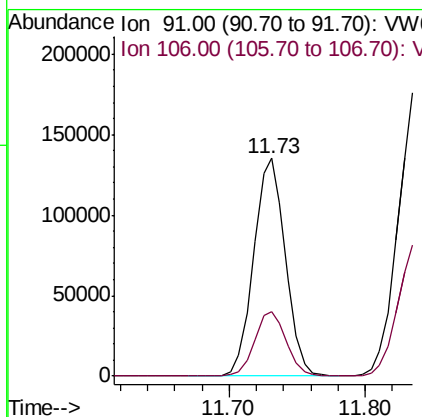
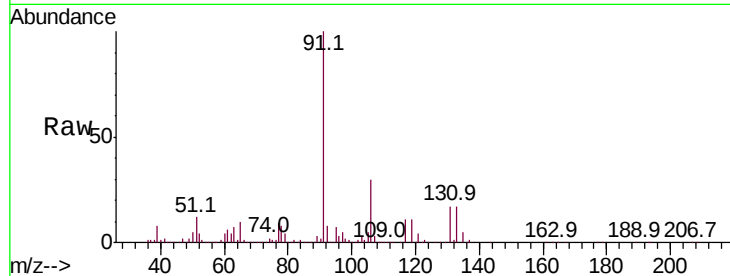
#67
Ethyl Benzene
Concen: 22.050 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion: 91 Resp: 219949
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

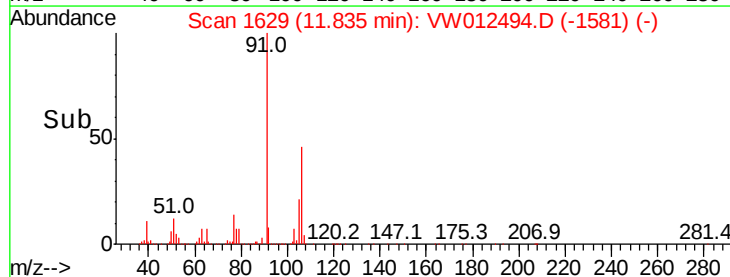
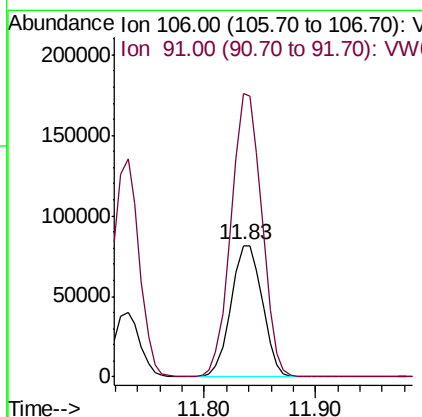
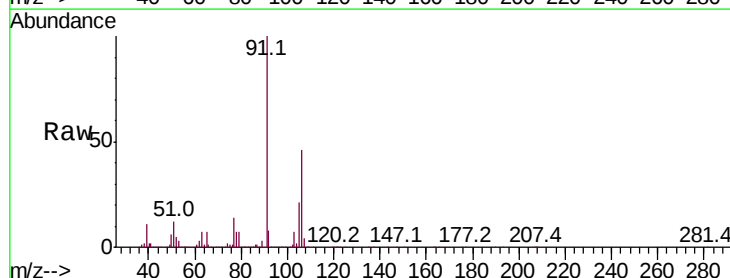
Manual Integrations
APPROVED

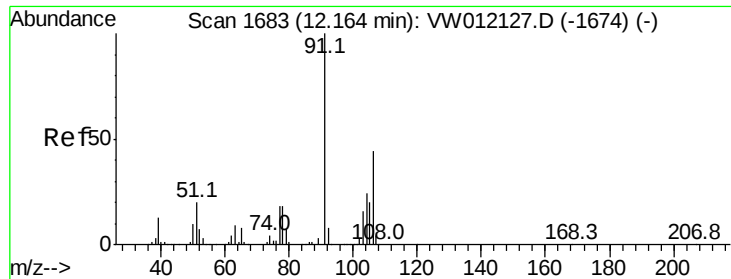
MMDadoda
9/3/2019 10:56:23 AM



#68
m/p-Xylenes
Concen: 44.084 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion: 106 Resp: 158399
Ion Ratio Lower Upper
106 100
91 211.8 169.5 254.3





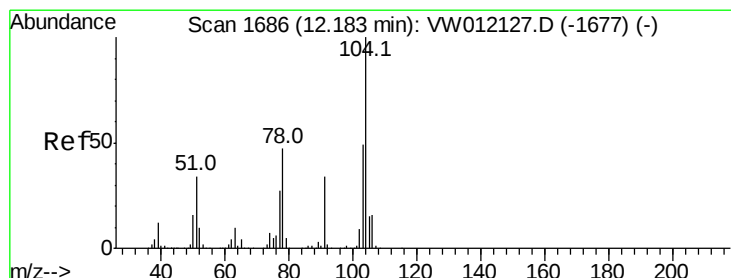
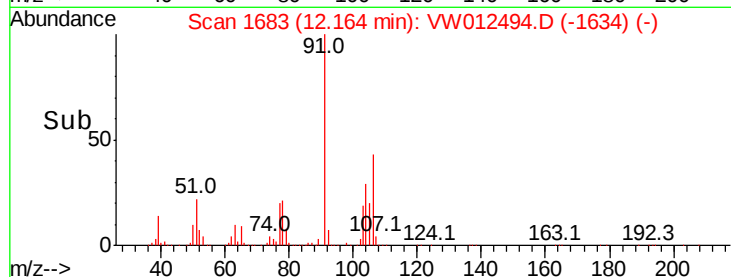
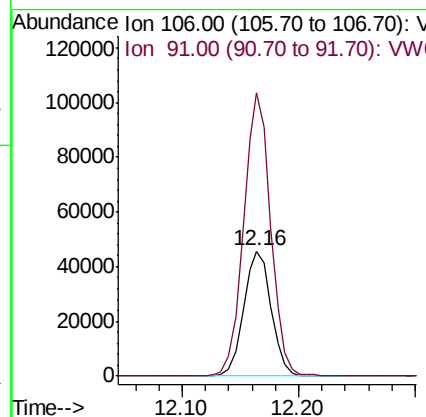
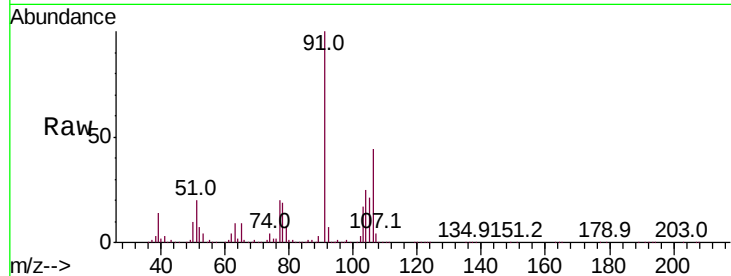
#69
o-Xylene
Concen: 22.436 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
VW0902SBS01

Tot Ion:106 Resp: 74613
Ion Ratio Lower Upper
106 100
91 221.6 111.6 334.6

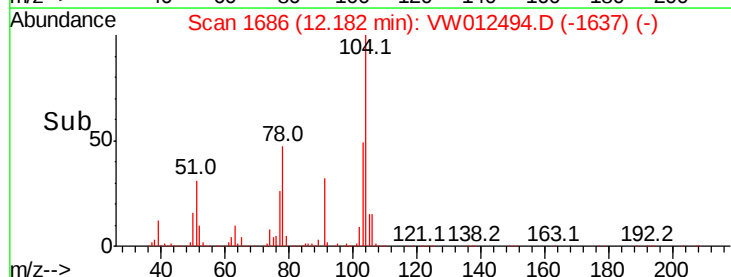
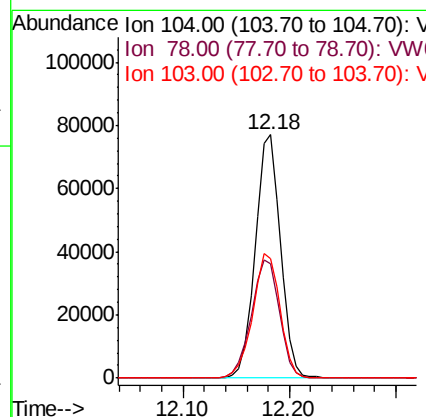
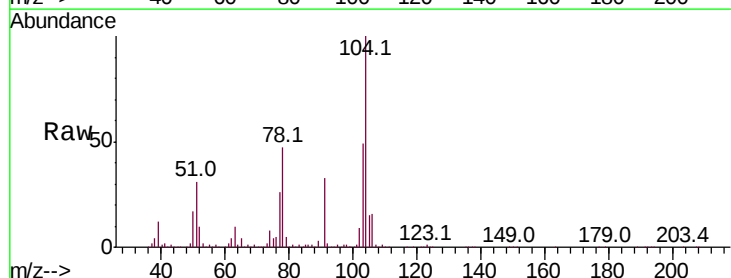
Manual Integrations
APPROVED

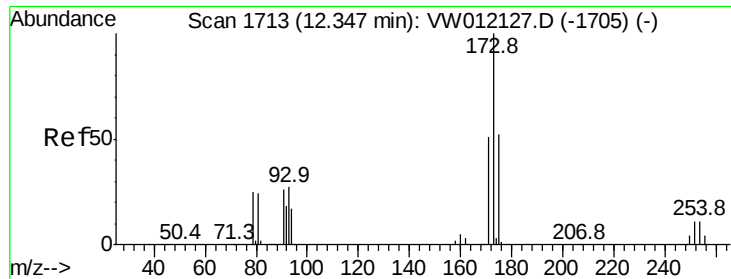
MMDadoda
9/3/2019 10:56:23 AM



#70
Styrene
Concen: 22.276 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion:104 Resp: 128226
Ion Ratio Lower Upper
104 100
78 54.6 43.1 64.7
103 55.3 43.5 65.3





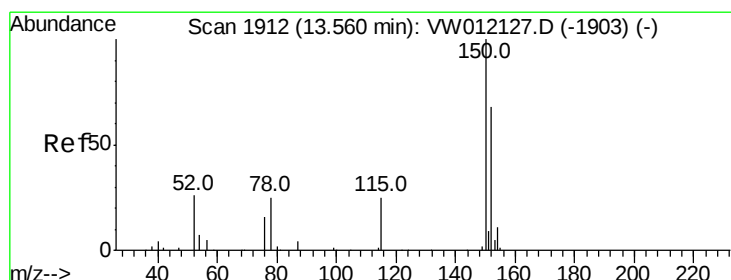
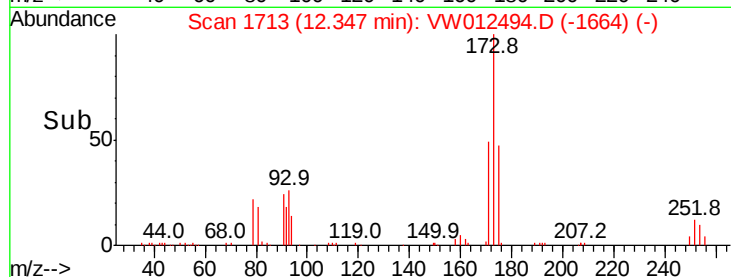
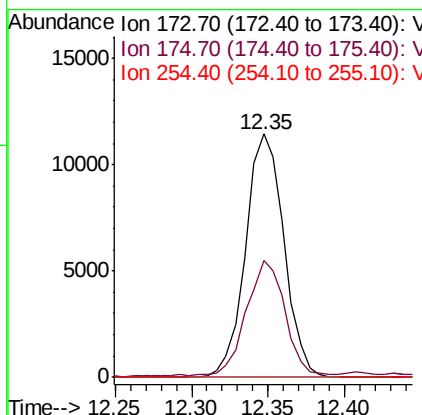
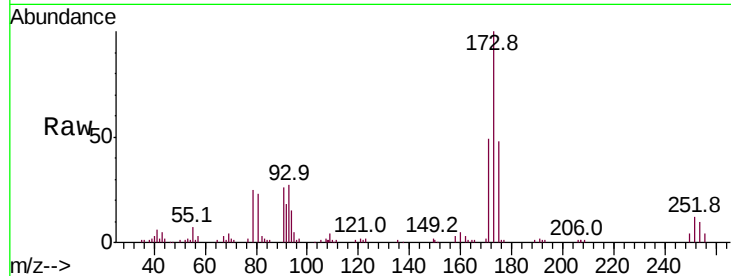
#71
Bromoform
Concen: 22.107 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.0	0.2	0.2

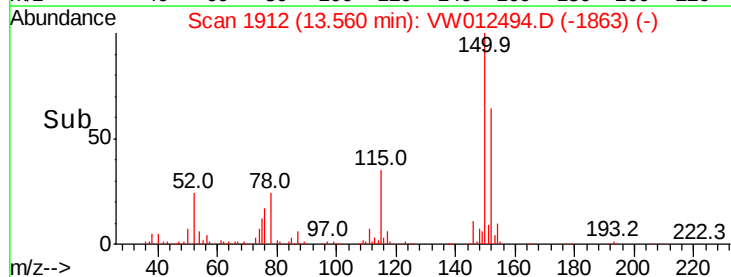
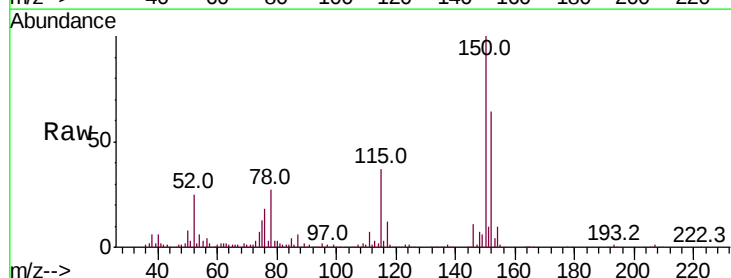
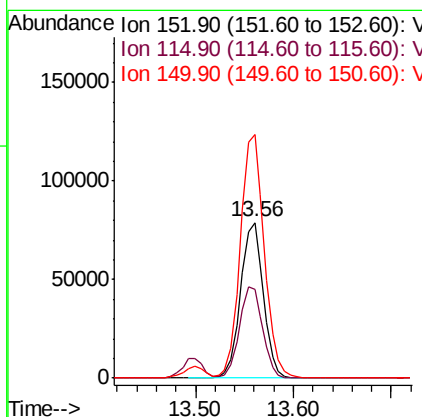
Manual Integrations
APPROVED

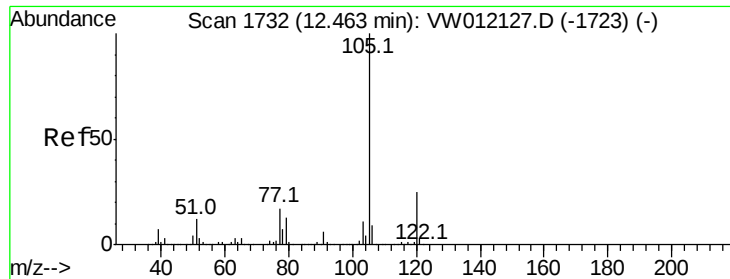
MMDadoda
9/3/2019 10:56:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.1	90.3
150	164.7	0.0	345.8





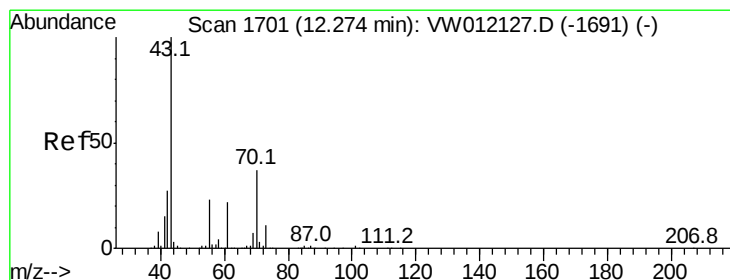
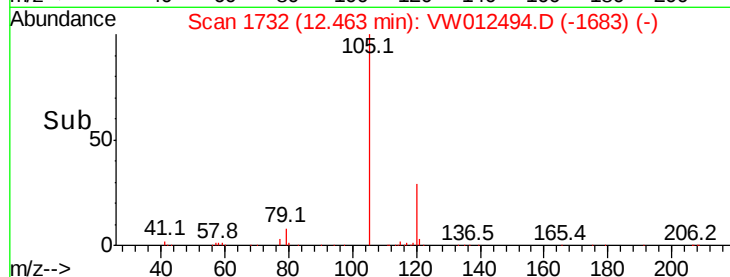
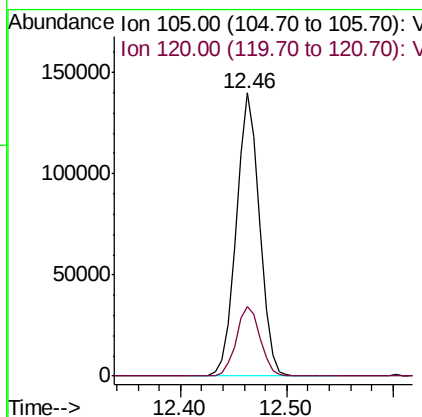
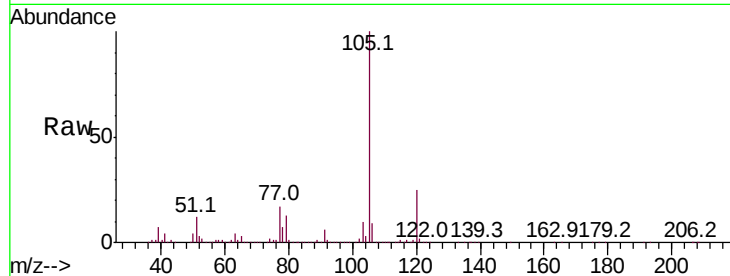
#73
Isopropylbenzene
Concen: 22.565 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.5	37.5

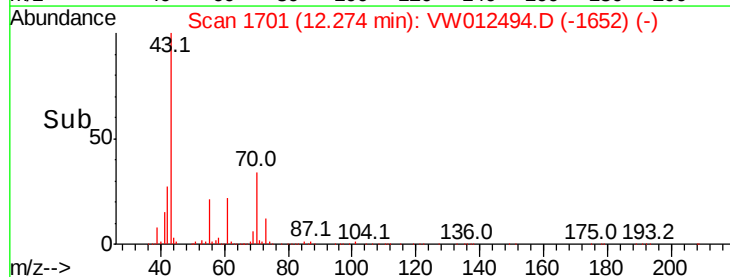
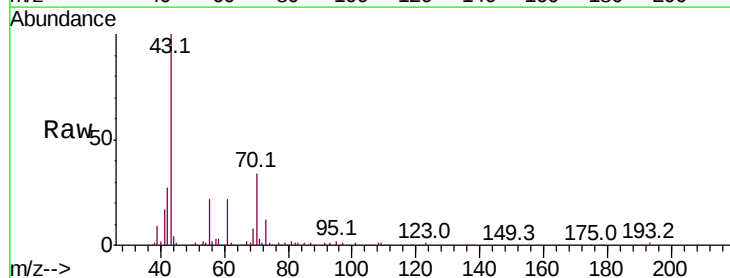
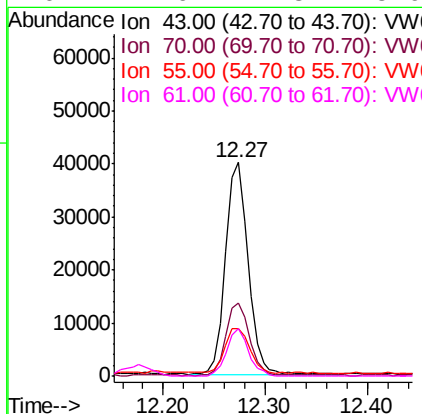
Manual Integrations
APPROVED

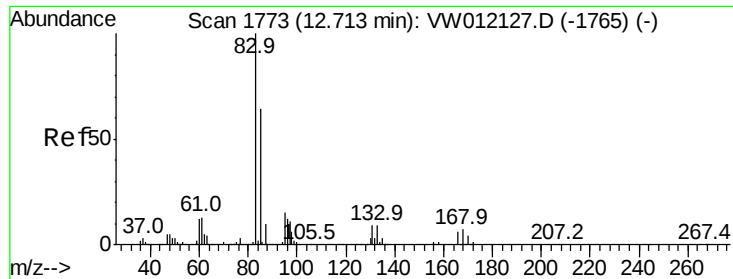
MMDadoda
9/3/2019 10:56:23 AM



#74
N-ethyl acetate
Concen: 21.234 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.5	28.6	43.0
55	23.0	17.8	26.6
61	21.6	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.823 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

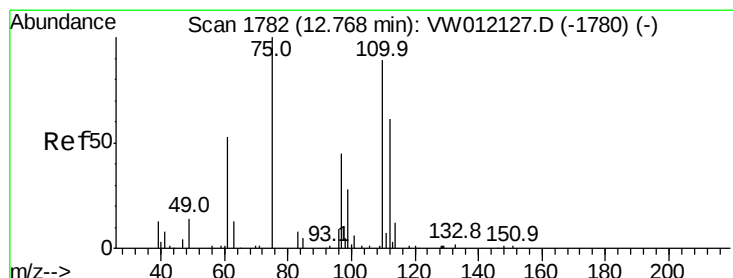
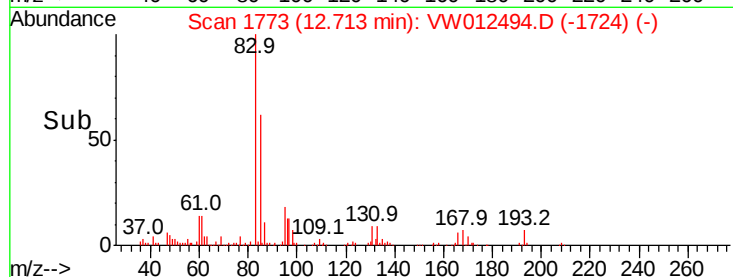
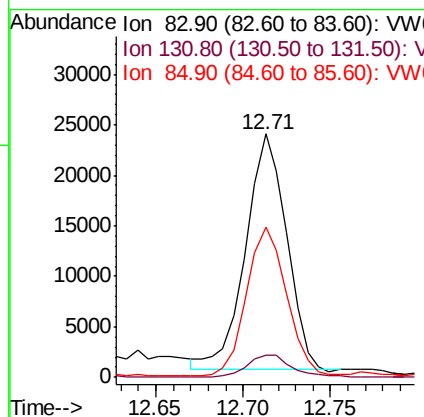
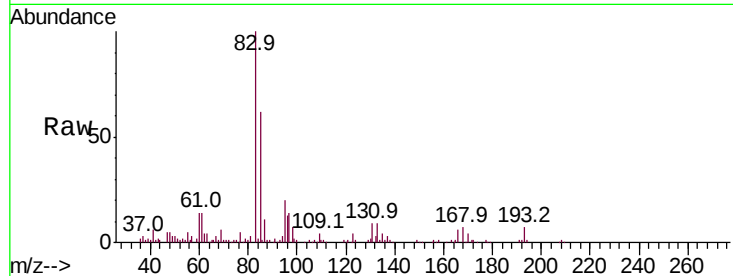
ClientSampleId :

VW0902SBSD01

Tot Ion:	83	Resp:	38056
Ion Ratio	Lower	Upper	
83	100		
131	10.6	4.9	14.7
85	62.0	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 25.883 ug/l m

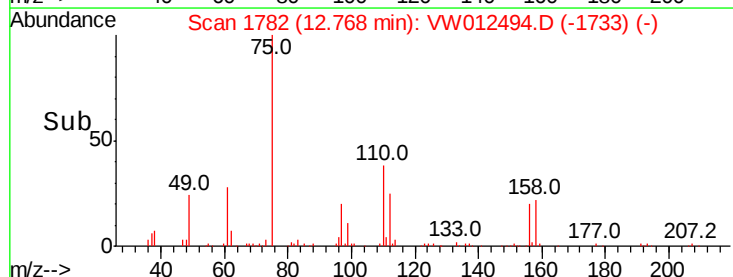
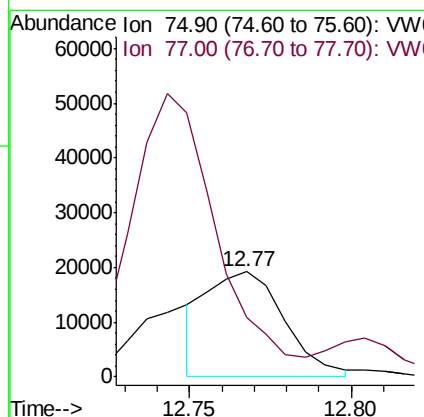
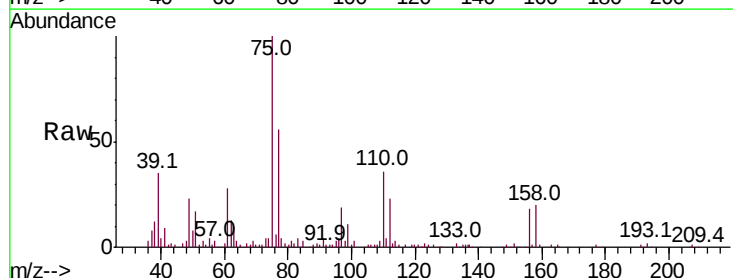
RT: 12.77 min Scan# 1782

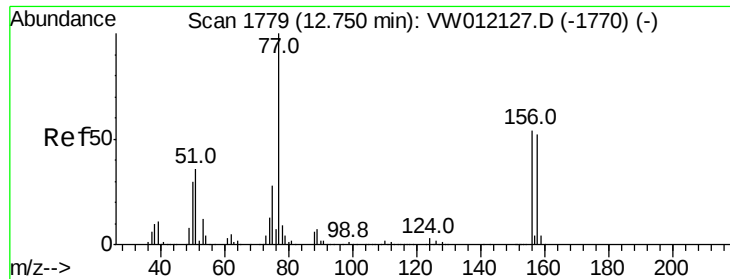
Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Tgt Ion:	75	Resp:	32000
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





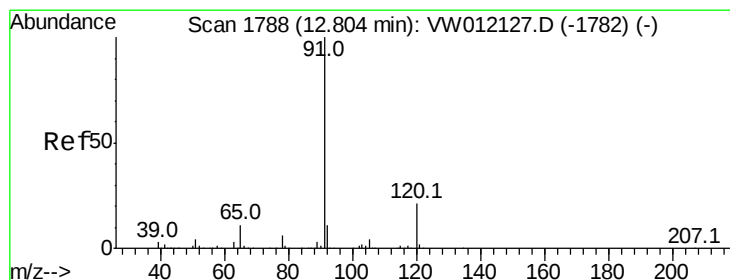
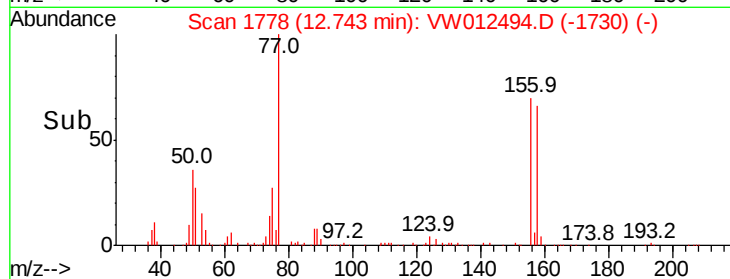
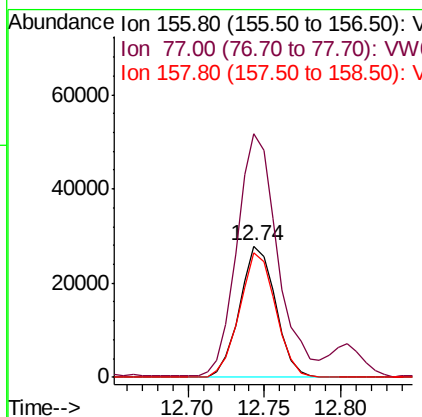
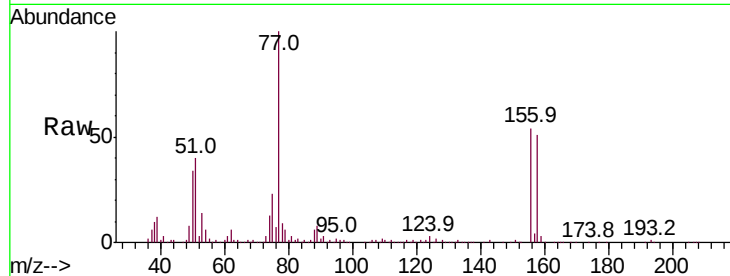
#77
Bromobenzene
Concen: 22.049 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	209.8	107.3	321.8
158	95.3	49.0	147.0

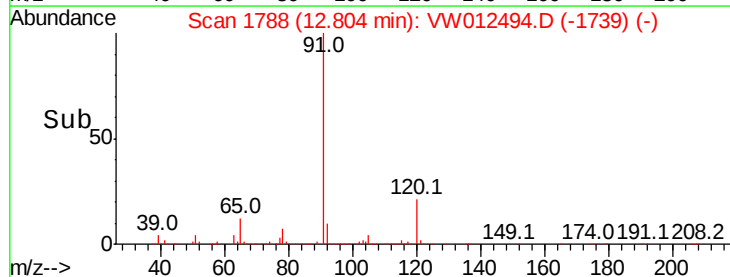
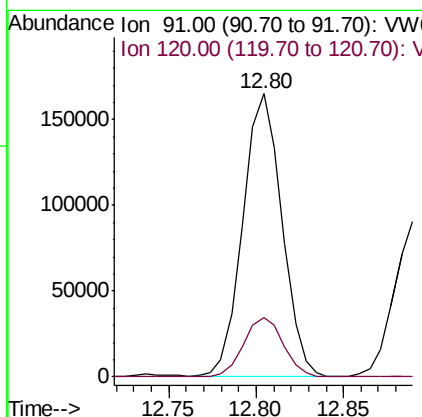
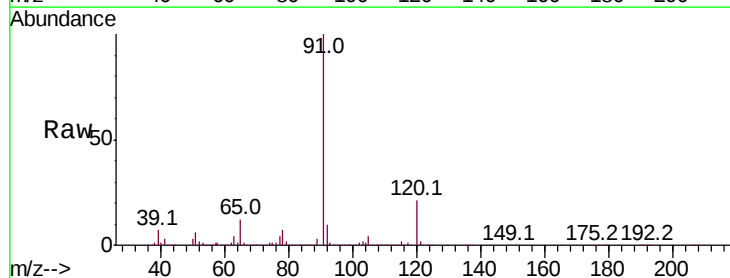
Manual Integrations
APPROVED

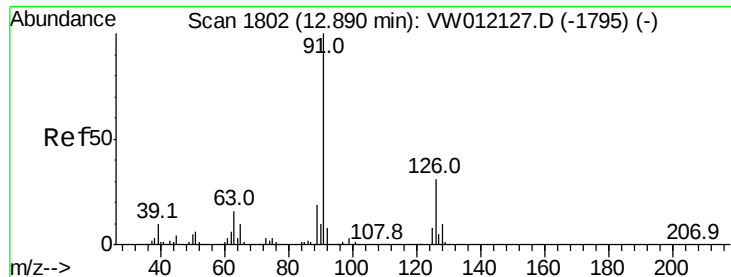
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#78
n-propylbenzene
Concen: 21.998 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.5	31.6





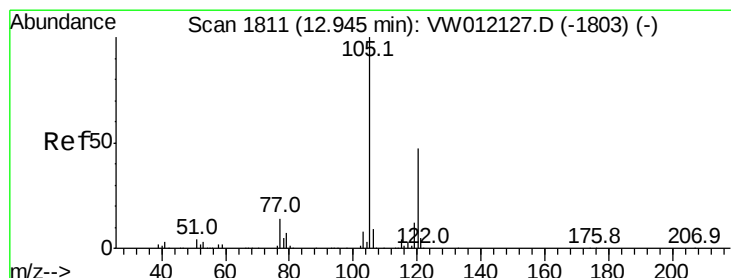
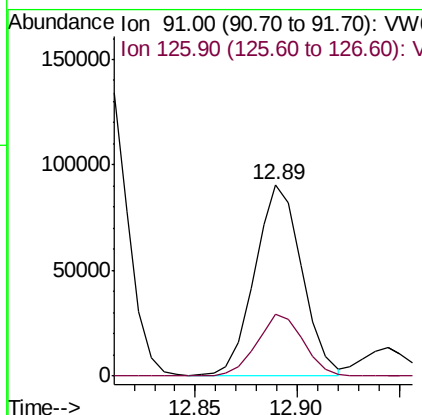
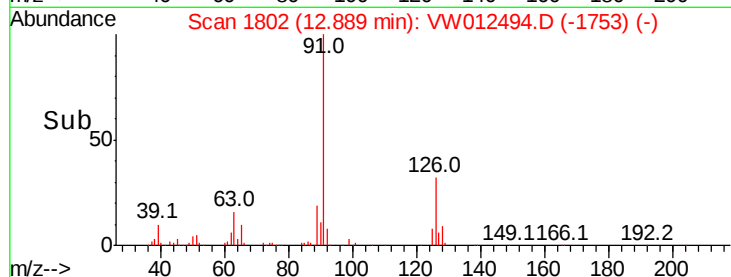
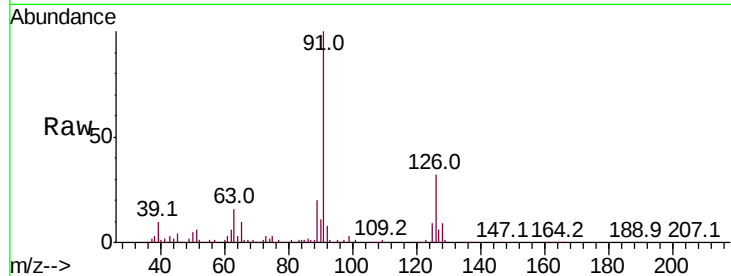
#79
 2-Chlorotoluene
 Concen: 21.951 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.0

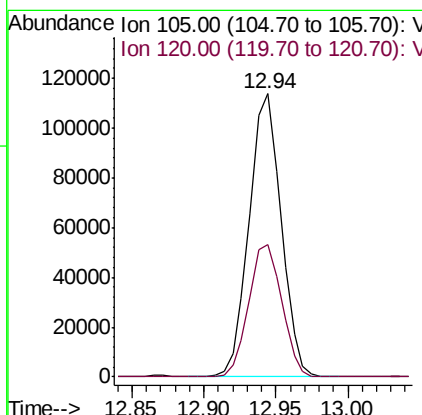
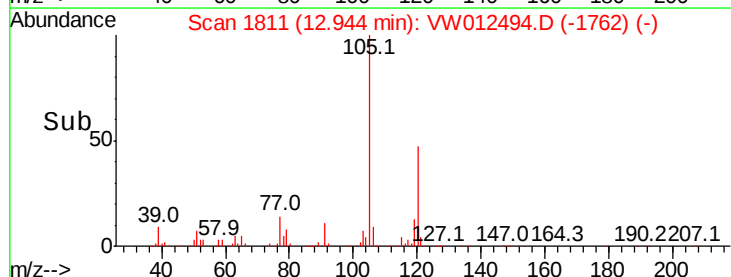
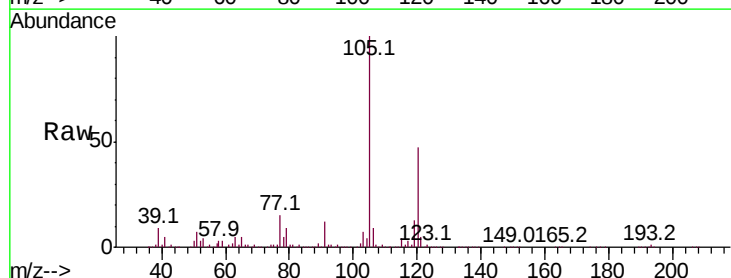
Manual Integrations
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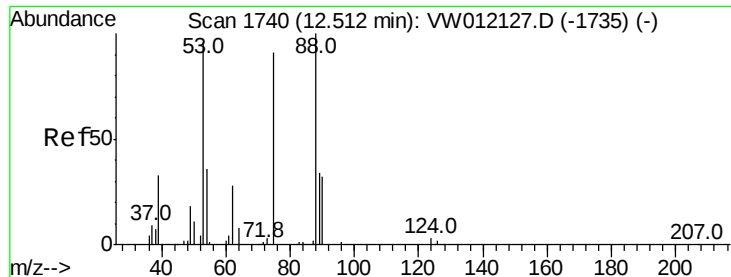
MMDadoda
 9/3/2019 10:56:23 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.950 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	24.0	72.0





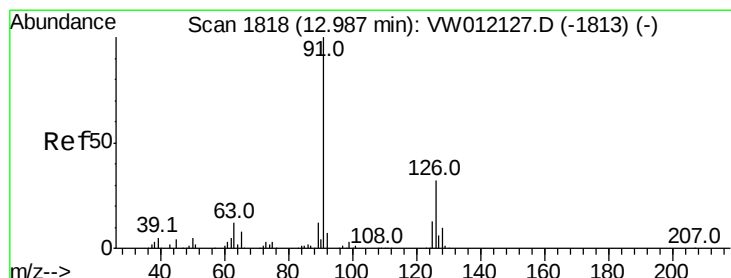
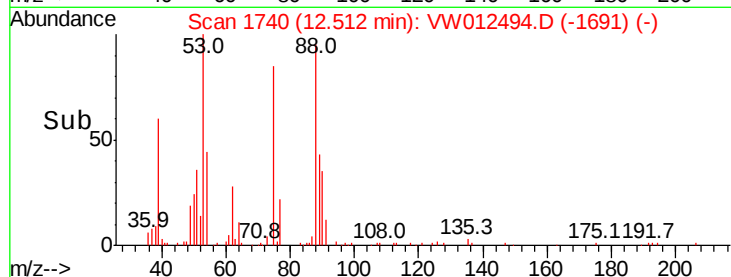
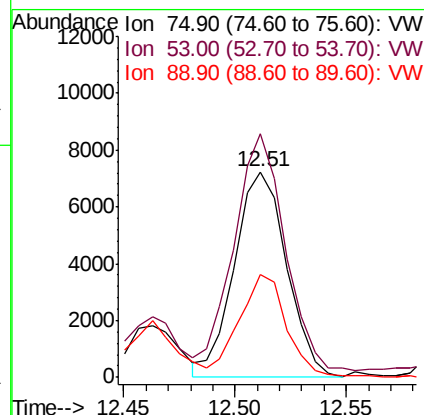
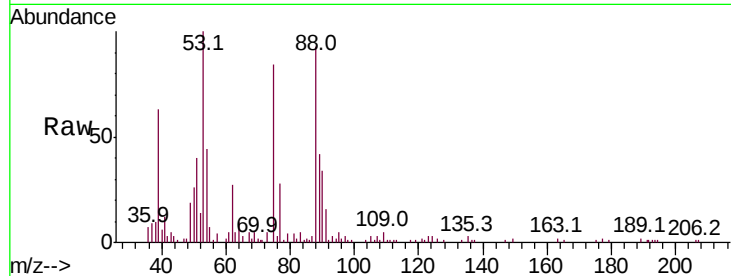
#81
trans-1,4-Dichloro-2-butene
Concen: 21.010 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.3	89.4	134.0
89	45.6	34.5	51.7

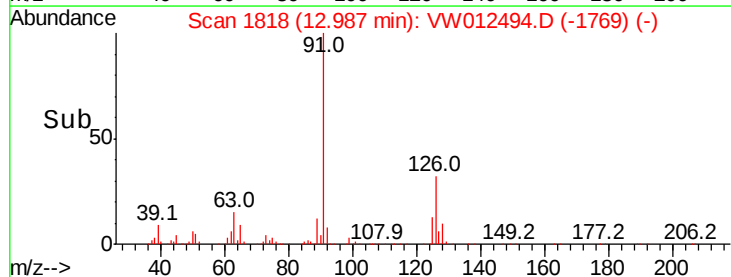
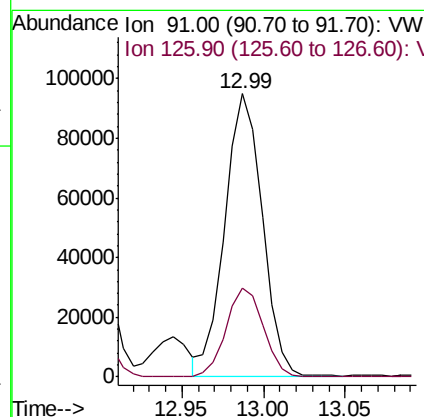
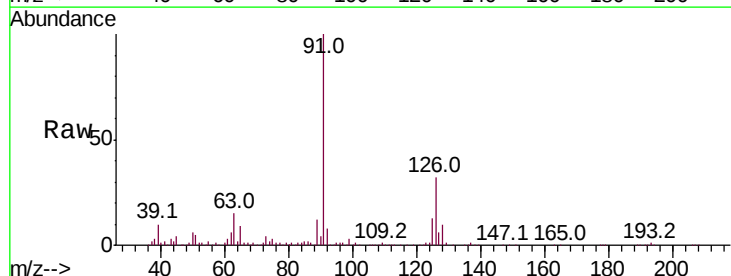
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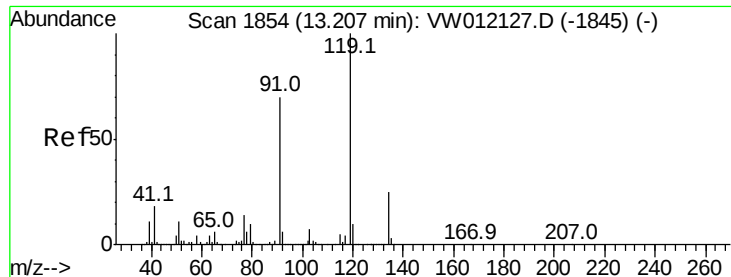
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9/3/2019 10:56:23 AM



#82
4-Chlorotoluene
Concen: 21.885 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.8





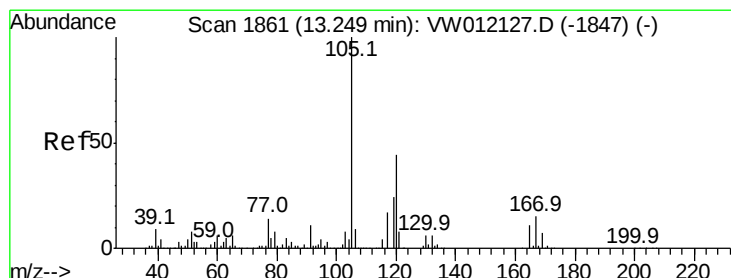
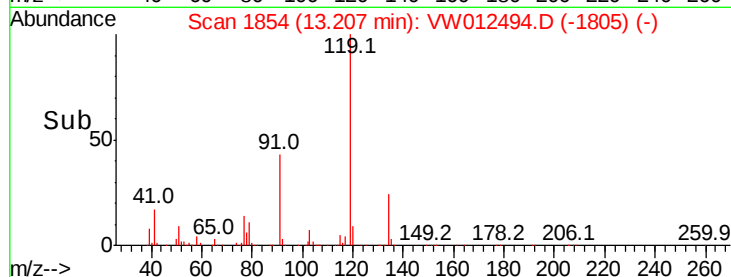
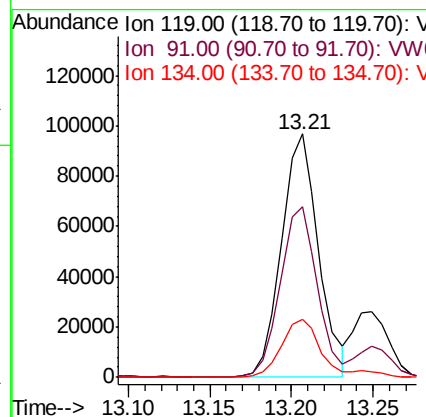
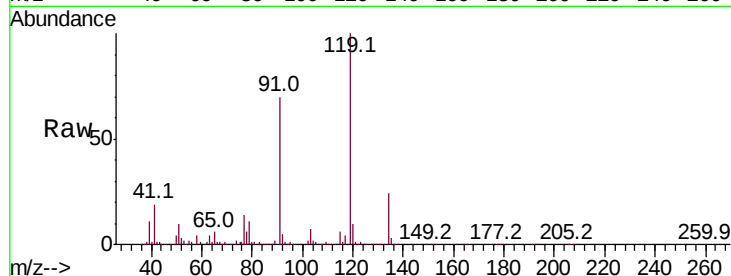
#83
 tert-Butylbenzene
 Concen: 22.701 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	34.8	104.3
134	26.6	13.3	39.8

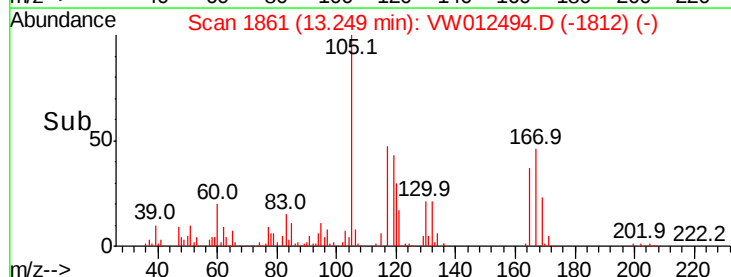
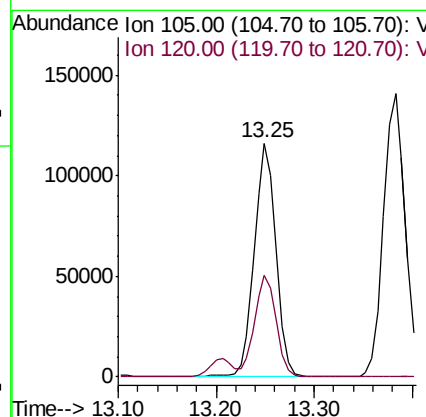
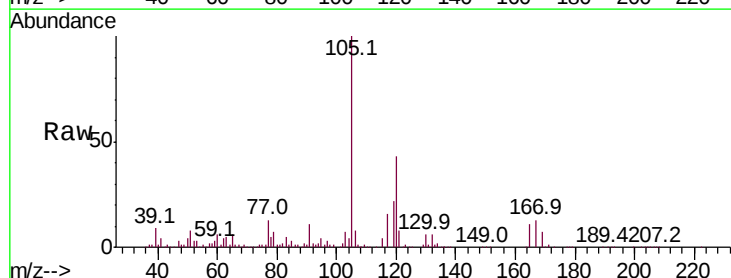
Manual Integrations
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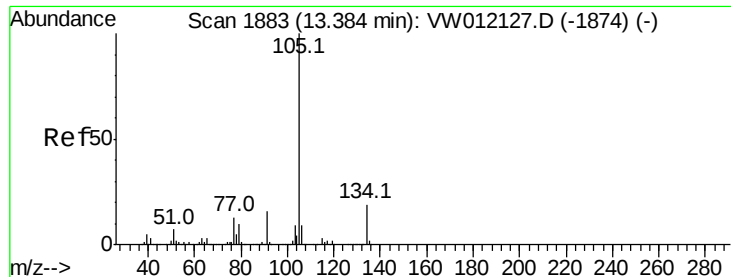
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.110 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 22.273 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

ClientSampleId :

VW0902SBSD01

Tot Ion:105 Resp: 214842

Ion Ratio Lower Upper

105 100

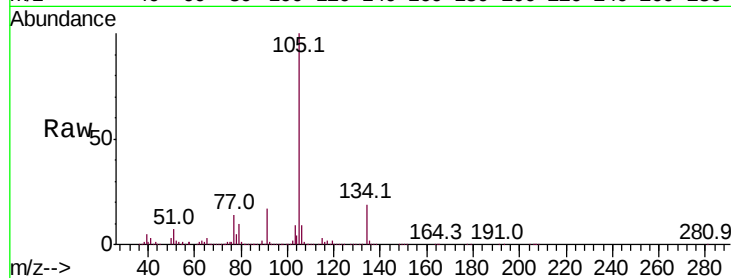
134 19.3 9.8 29.4

Manual Integrations

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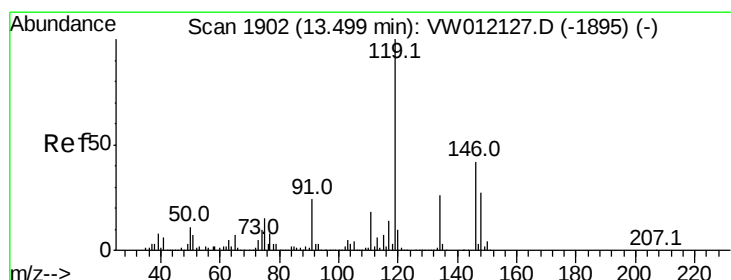
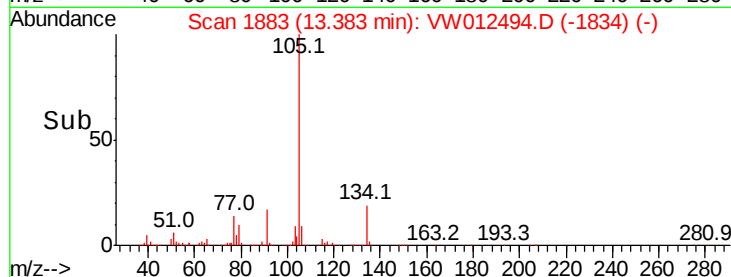
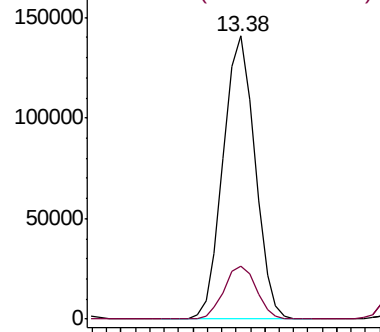
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.188 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

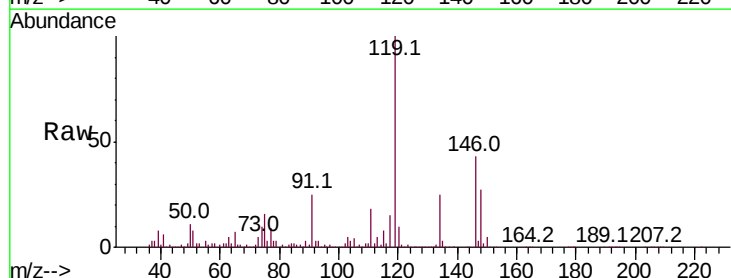
Tgt Ion:119 Resp: 191133

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

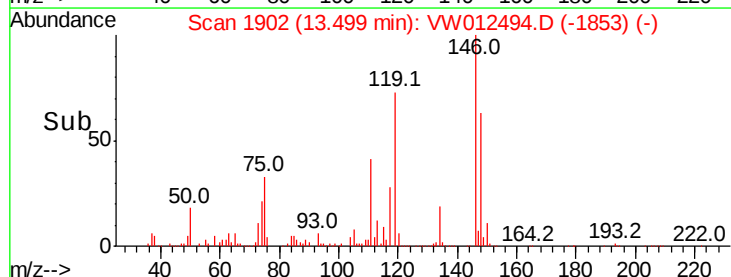
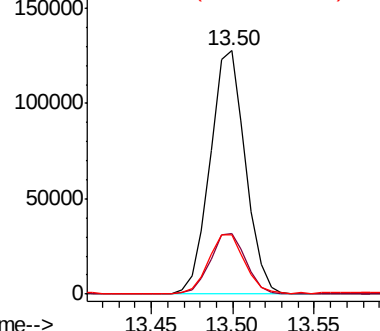
91 24.8 12.3 36.9

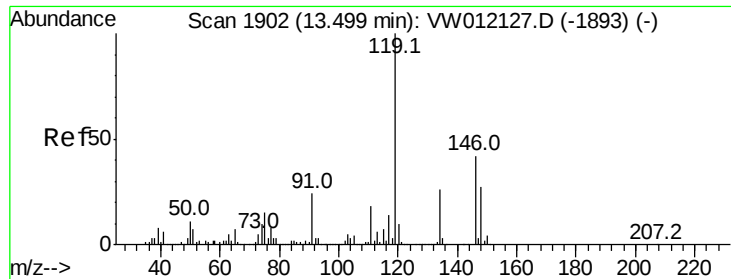


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.844 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

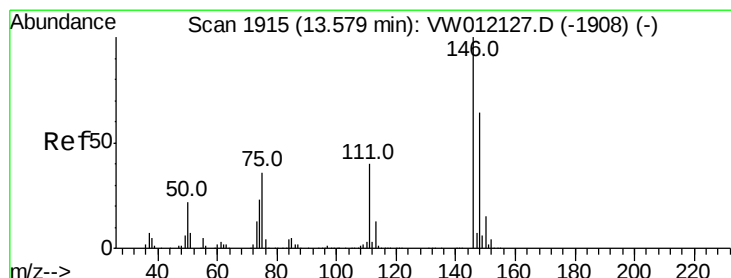
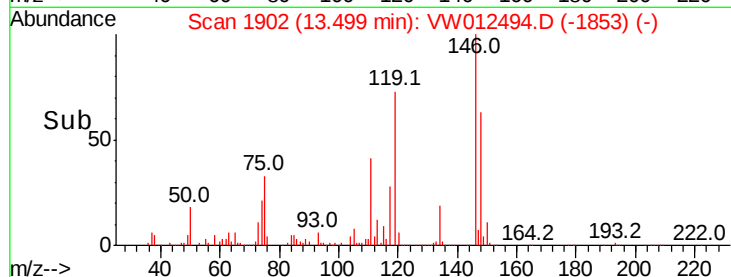
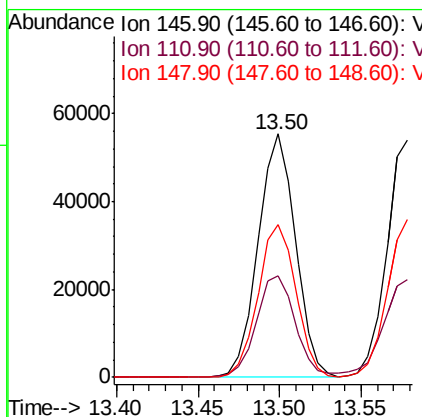
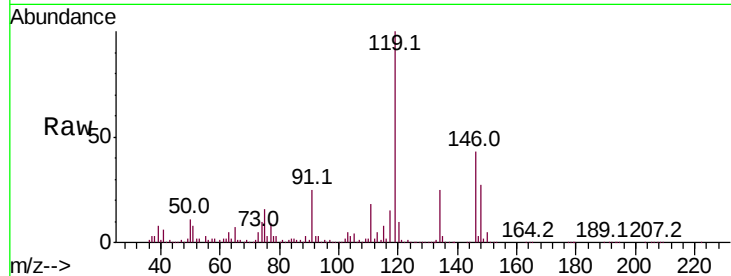
Instrument :
MSVOA_W

ClientSampled :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.9	62.7
148	63.5	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 21.684 ug/l

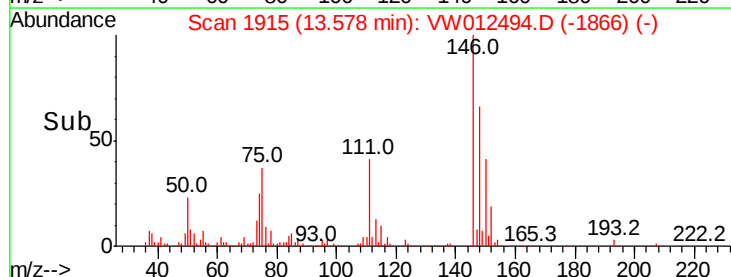
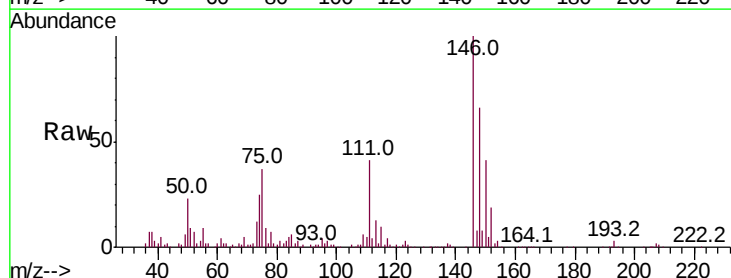
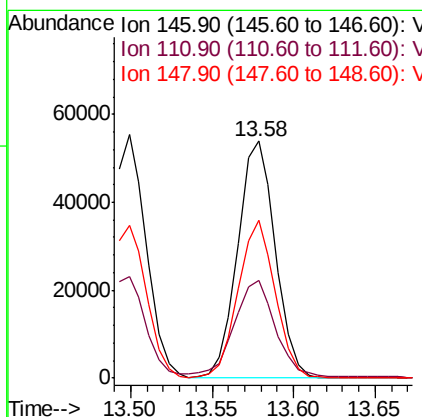
RT: 13.58 min Scan# 1915

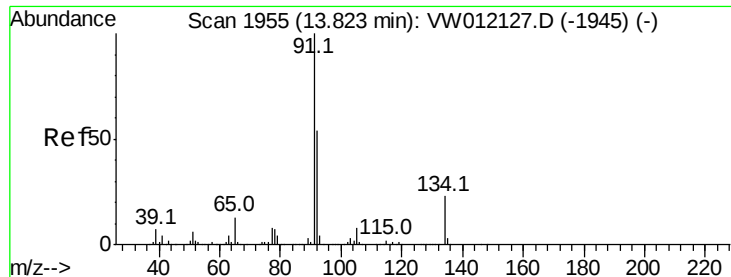
Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.0	60.0
148	65.6	32.1	96.3





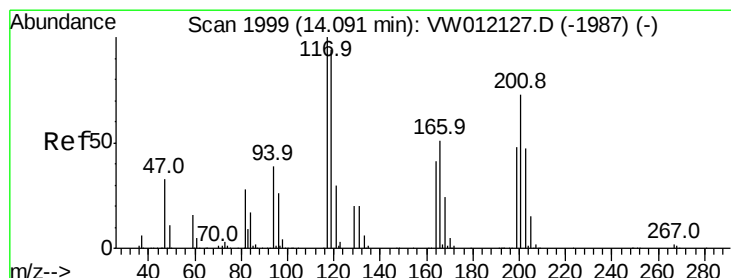
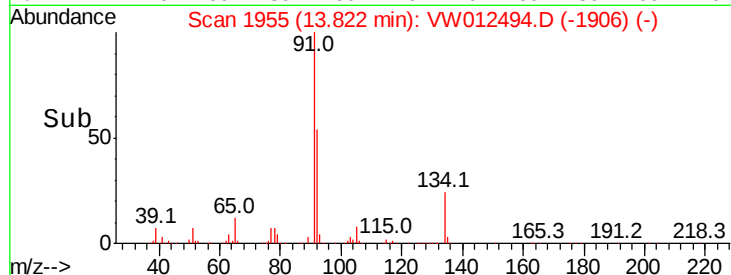
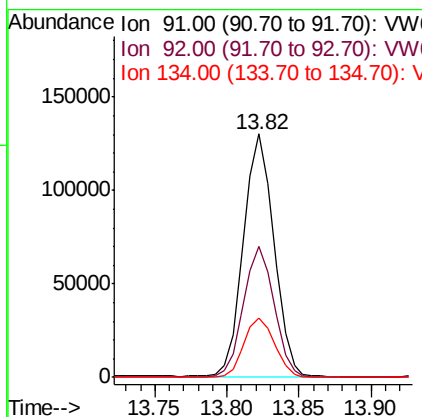
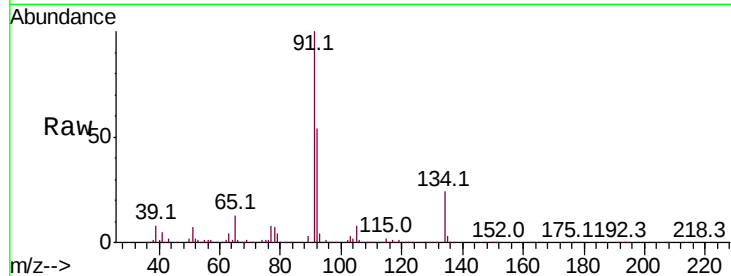
#89
n-Butylbenzene
Concen: 22.143 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampleId :
VW0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.1	81.2	
134	24.9	12.2	36.4	

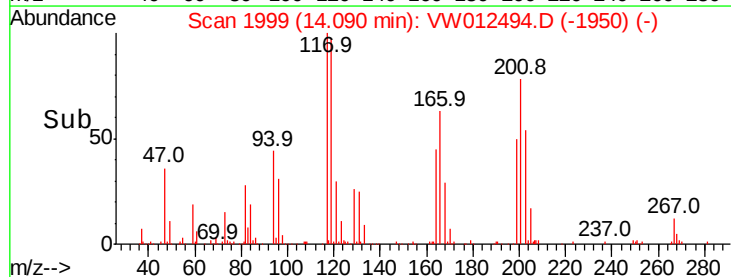
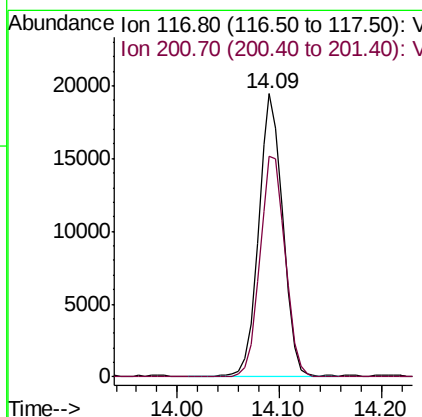
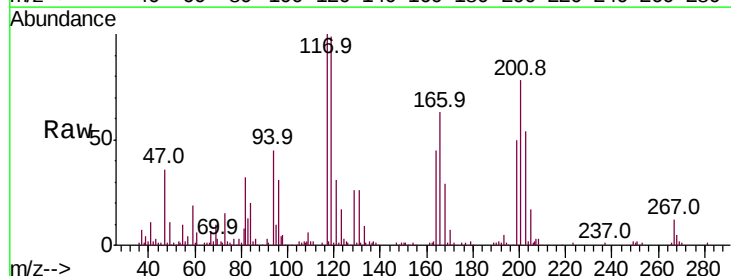
Manual Integrations
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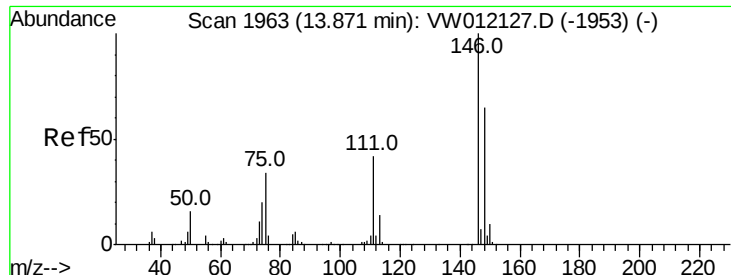
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#90
Hexachloroethane
Concen: 21.383 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

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





#91

1,2-Dichlorobenzene

Concen: 21.888 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Instrument :

MSVOA_W

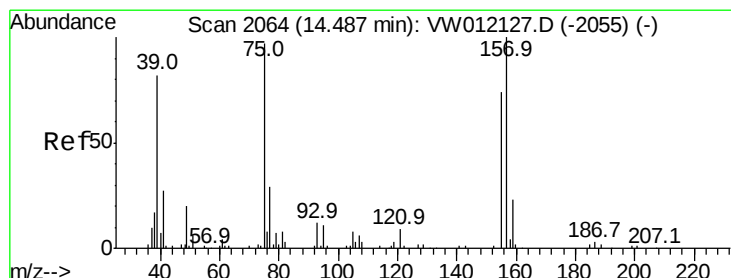
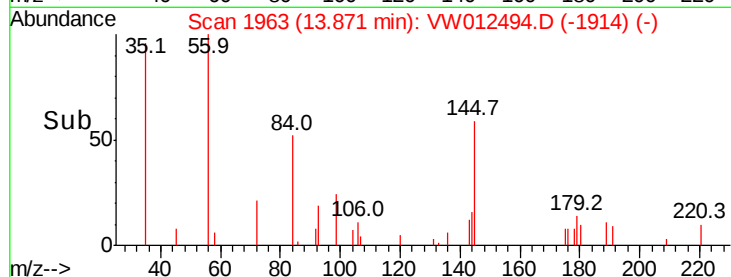
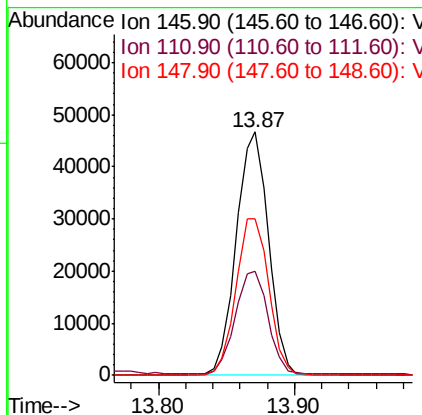
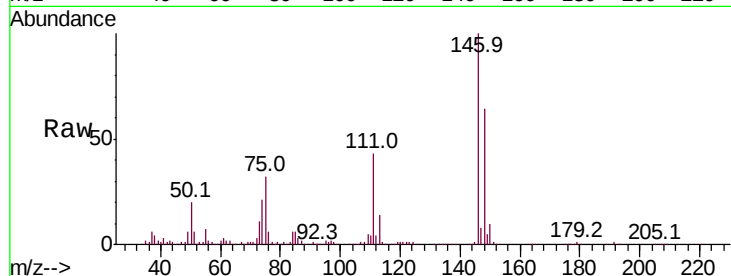
ClientSampleId :

VW0902SBSD01

Tot Ion:	146	Resp:	77287
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.2	63.6
148	66.0	32.5	97.4

Manual Integrations
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9/3/2019 10:56:23 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.352 ug/l

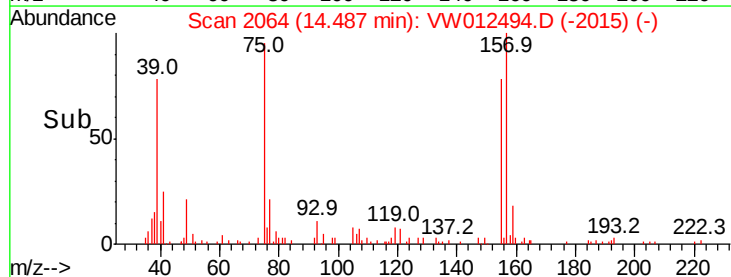
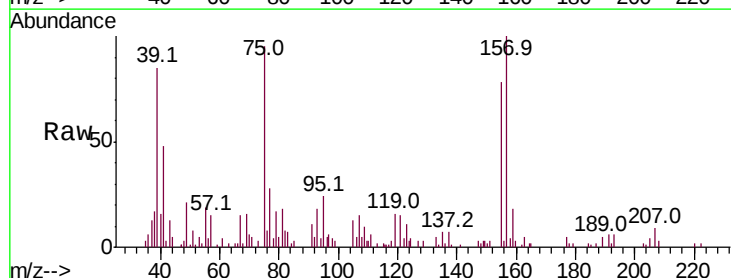
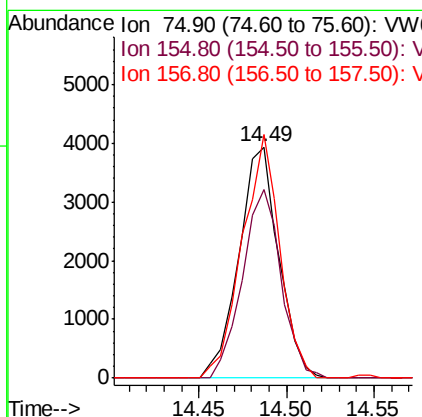
RT: 14.49 min Scan# 2064

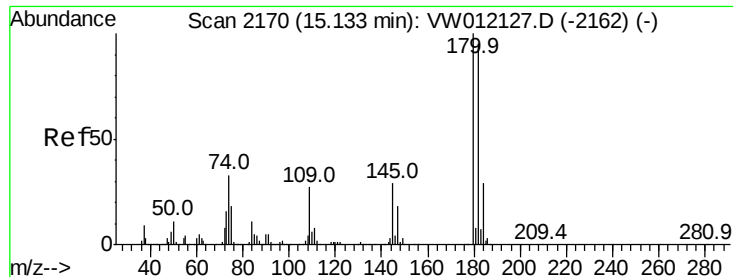
Delta R.T. -0.00 min

Lab File: VW012494.D

Acq: 02 Sep 2019 13:09

Tgt Ion:	75	Resp:	6277
Ion	Ratio	Lower	Upper
75	100		
155	79.4	37.5	112.3
157	98.6	50.5	151.5





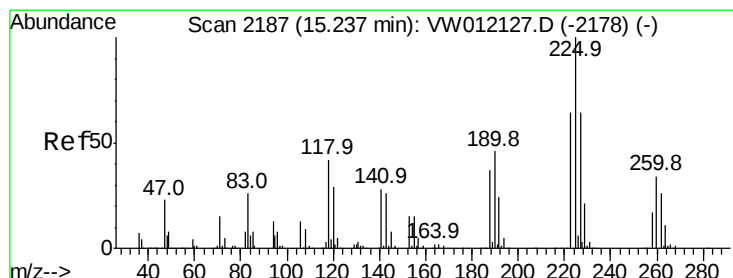
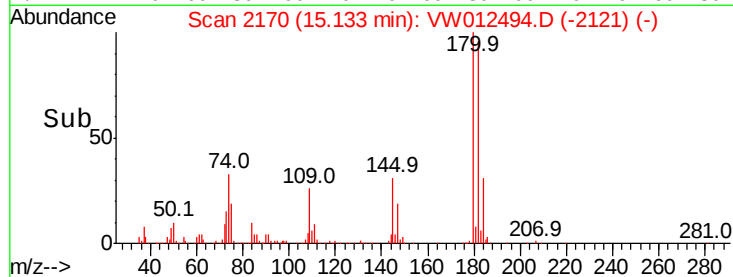
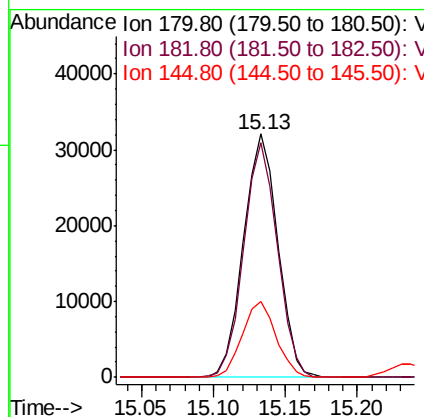
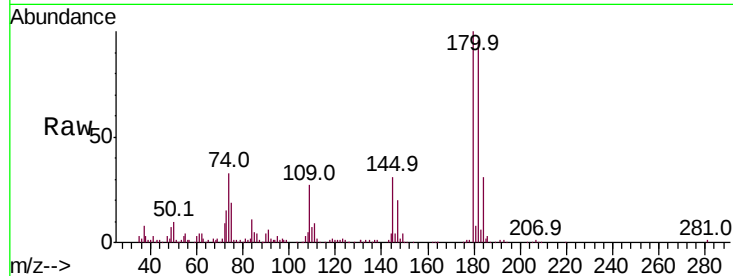
#93
 1,2,4-Trichlorobenzene
 Concen: 21.690 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.8	143.4	
145	31.2	15.0	45.1	

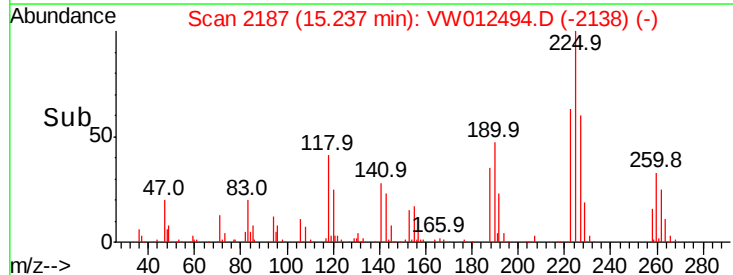
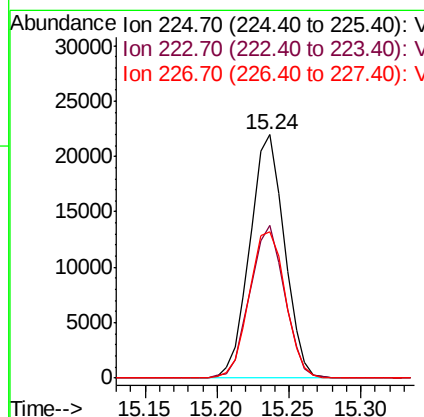
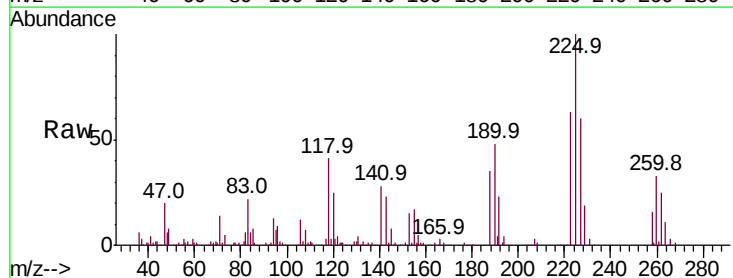
Manual Integrations
 APPROVED

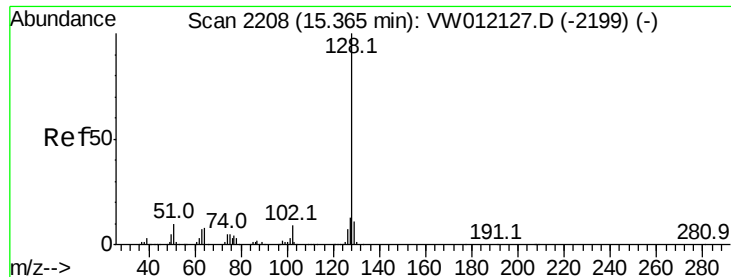
MMDadoda
 9/3/2019 10:56:23 AM



#94
 Hexachlorobutadiene
 Concen: 22.633 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012494.D
 Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	32.3	96.8	
227	63.0	32.9	98.6	





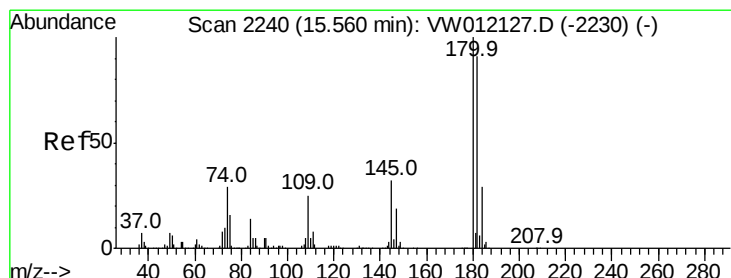
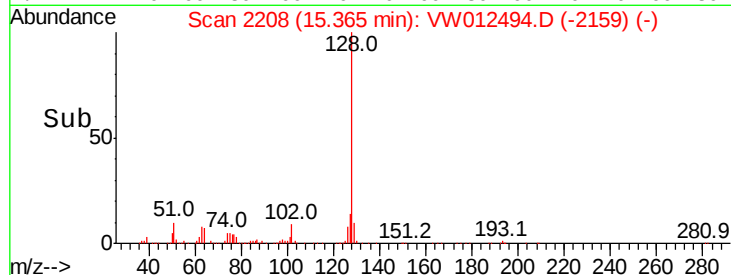
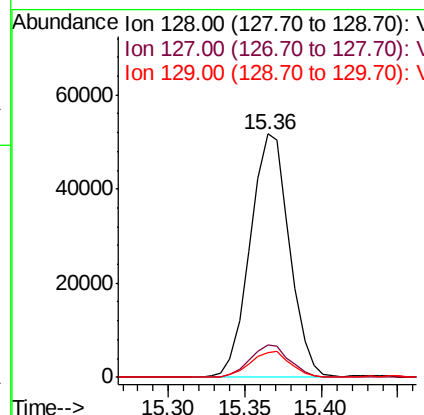
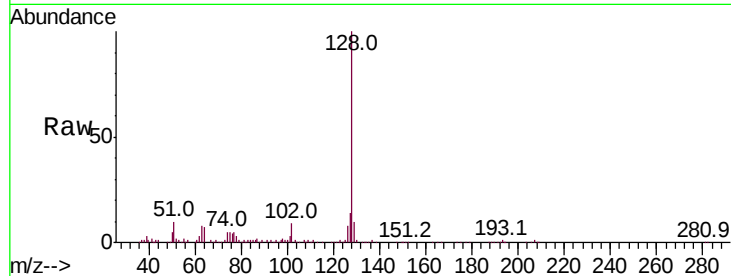
#95
Naphthalene
Concen: 21.947 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Instrument :
MSVOA_W
ClientSampled :
VW0902SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:56:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.318 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012494.D
Acq: 02 Sep 2019 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	31.7	16.2	48.5

