

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011979.D
 Acq On : 19 Aug 2019 09:56
 Operator : SY/VA
 Sample : VW0819SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:56:26 AM

Quant Time: Aug 19 11:08:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166337	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134936	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	7.88	113	114458	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.32	98	472560	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.62	95	165636	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35276	25.565	ug/l	98
3) Chloromethane	2.21	50	54106	22.613	ug/l	96
4) Vinyl Chloride	2.36	62	66930	23.235	ug/l	98
5) Bromomethane	2.75	94	32823	20.586	ug/l	95
6) Chloroethane	2.91	64	37053	22.519	ug/l	100
7) Trichlorofluoromethane	3.25	101	30551	23.731	ug/l	98
8) Diethyl Ether	3.68	74	28944	19.830	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55151	22.583	ug/l	98
10) Methyl Iodide	4.27	142	74576	21.609	ug/l	98
11) Tert butyl alcohol	5.17	59	19049	78.564	ug/l	97
12) 1,1-Dichloroethene	4.04	96	55646	21.581	ug/l	98
13) Acrolein	3.89	56	12573	61.635	ug/l	96
14) Allyl chloride	4.66	41	115059	20.980	ug/l	99
15) Acrylonitrile	5.36	53	71706	98.411	ug/l	99
16) Acetone	4.12	43	73161	80.900	ug/l	100
17) Carbon Disulfide	4.37	76	166485	20.629	ug/l	98
18) Methyl Acetate	4.67	43	38522	18.962	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	83436	20.391	ug/l	96
20) Methylene Chloride	4.91	84	60158	19.288	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	58235	20.949	ug/l	97
22) Diisopropyl ether	6.31	45	213303	20.629	ug/l	98
23) Vinyl Acetate	6.25	43	637356	98.100	ug/l	99
24) 1,1-Dichloroethane	6.21	63	114248	20.631	ug/l	100
25) 2-Butanone	7.17	43	101672	85.918	ug/l	99
26) 2,2-Dichloropropane	7.17	77	68648	20.157	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	63366	20.711	ug/l	98
28) Bromochloromethane	7.51	49	53680	21.839	ug/l	100
29) Tetrahydrofuran	7.52	42	63793	94.310	ug/l	97
30) Chloroform	7.68	83	105391	20.629	ug/l	99
31) Cyclohexane	7.95	56	113928	21.433	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	84442	21.703	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90756	22.044	ug/l	99
37) Ethyl Acetate	7.25	43	45508	19.212	ug/l	97
38) Carbon Tetrachloride	8.07	117	77248	21.917	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	101302	22.346	ug/l	98
40) Benzene	8.32	78	245655	21.302	ug/l	100
41) Methacrylonitrile	7.48	41	27045	19.101	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72999	20.218	ug/l	98
43) Isopropyl Acetate	8.42	43	84921	19.494	ug/l	99
44) Trichloroethene	9.09	130	60015	21.652	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64182	20.800	ug/l	97
46) Dibromomethane	9.46	93	28893	20.516	ug/l	98
47) Bromodichloromethane	9.64	83	76278	20.648	ug/l	99
48) Methyl methacrylate	9.43	41	39824	19.031	ug/l	95
49) 1,4-Dioxane	9.45	88	8634	423.402	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	220593	97.355	ug/l	100
52) Toluene	10.38	92	149746	21.502	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	78949	20.458	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	95907	20.902	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40222	20.129	ug/l	95
56) Ethyl methacrylate	10.65	69	58843	20.124	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77156	20.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	145035	109.243	ug/l	100
59) 2-Hexanone	10.97	43	154291	96.441	ug/l	99
60) Dibromochloromethane	11.13	129	44483	20.055	ug/l	98
61) 1,2-Dibromoethane	11.24	107	38313	20.261	ug/l	100
64) Tetrachloroethene	10.86	164	49031	22.200	ug/l	95
65) Chlorobenzene	11.66	112	148654	21.798	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51472	21.668	ug/l	99
67) Ethyl Benzene	11.73	91	287042	22.100	ug/l	100
68) m/p-Xylenes	11.84	106	210221	44.506	ug/l	98
69) o-Xylene	12.16	106	96869	22.069	ug/l	100
70) Styrene	12.18	104	166949	21.998	ug/l	99
71) Bromoform	12.35	173	25648	21.177	ug/l #	99
73) Isopropylbenzene	12.46	105	272982	21.998	ug/l	100
74) N-amyl acetate	12.27	43	80989	20.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48016	20.571	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	40396m	22.952	ug/l	
77) Bromobenzene	12.75	156	58303	21.257	ug/l	100
78) n-propylbenzene	12.80	91	333593	22.089	ug/l	100
79) 2-Chlorotoluene	12.89	91	187685	21.572	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	226772	21.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15977	20.921	ug/l	98
82) 4-Chlorotoluene	12.99	91	195244	21.389	ug/l	99
83) tert-Butylbenzene	13.21	119	193929	22.294	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	230254	21.974	ug/l	100
85) sec-Butylbenzene	13.38	105	278432	22.433	ug/l	100
86) p-Isopropyltoluene	13.50	119	252575	22.428	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	114254	21.245	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	115115	21.517	ug/l	99
89) n-Butylbenzene	13.82	91	248941	22.151	ug/l	99
90) Hexachloroethane	14.09	117	44035	22.113	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	101959	21.435	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8215	20.639	ug/l	99

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	72650	21.672	ug/l	99
94) Hexachlorobutadiene	15.24	225	48455	23.178	ug/l	99
95) Naphthalene	15.37	128	122177	19.903	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	61807	21.034	ug/l	99

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

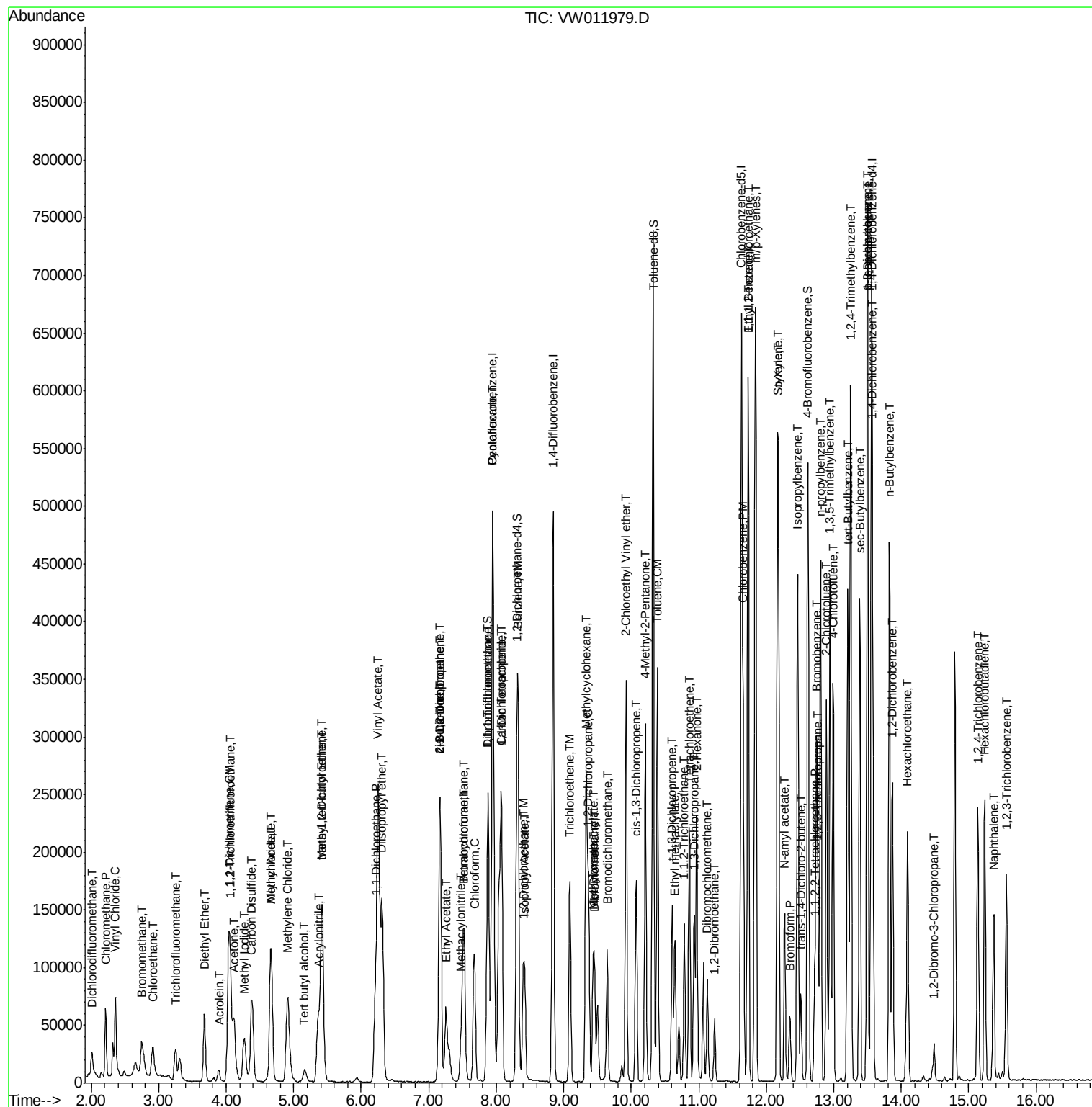
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 Data File : VW011979.D
 Acq On : 19 Aug 2019 09:56
 Operator : SY/VA
 Sample : VW0819SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
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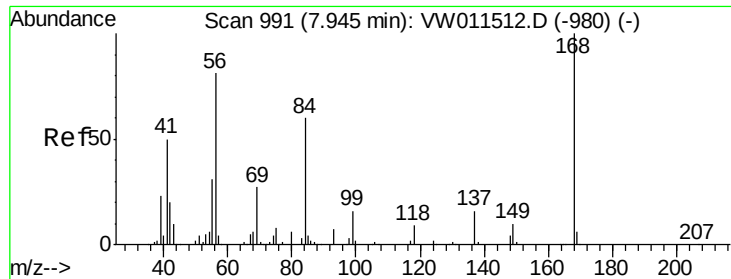
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion:168 Resp: 247585

Ion Ratio Lower Upper

168 100

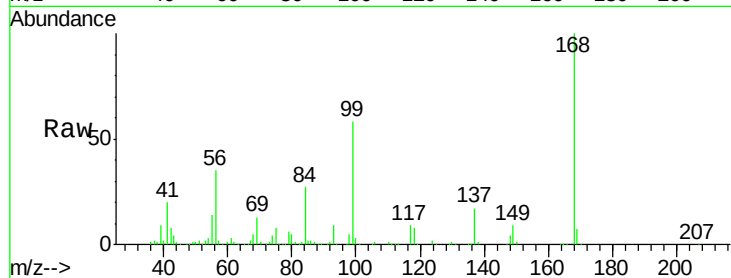
99 58.4 48.2 72.4

Manual Integrations

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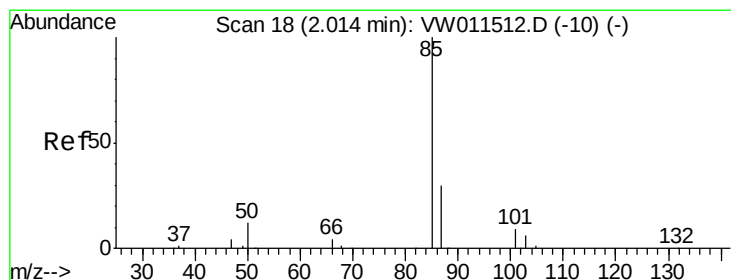
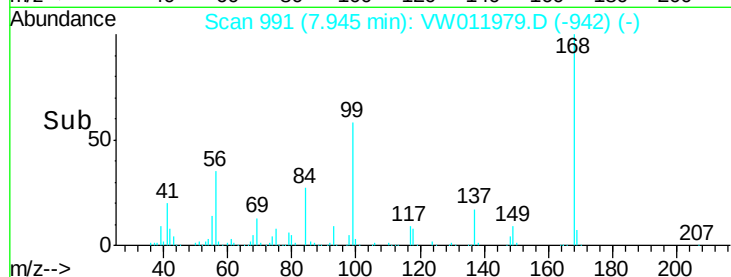
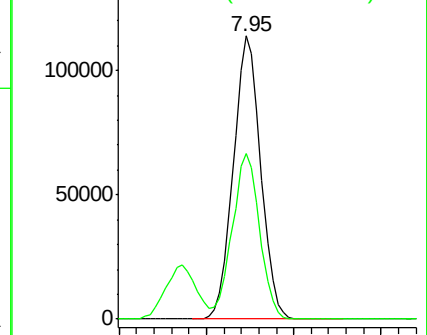
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 25.565 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011979.D

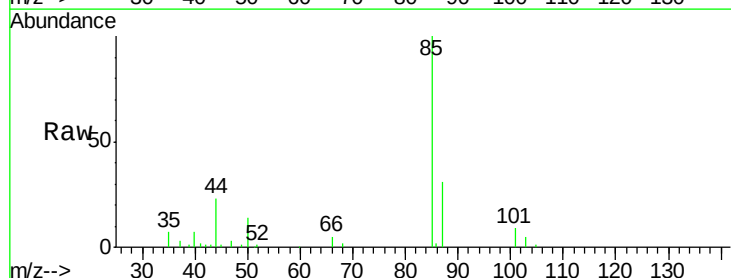
Acq: 19 Aug 2019 09:56

Tgt Ion: 85 Resp: 35276

Ion Ratio Lower Upper

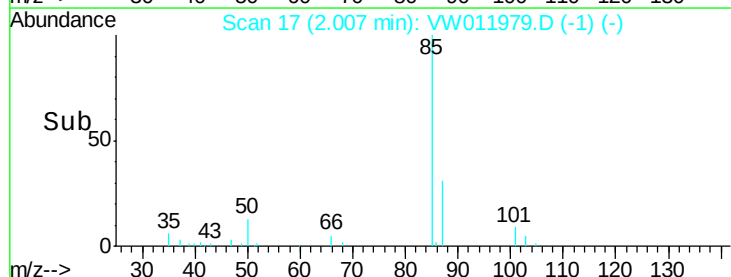
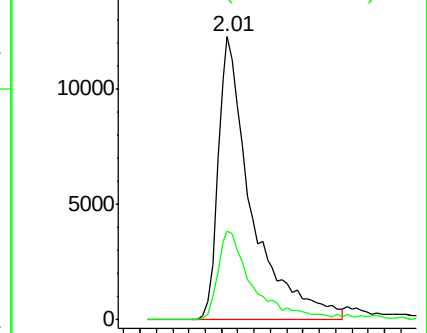
85 100

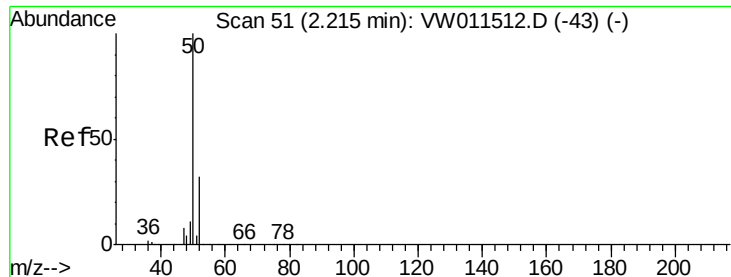
87 31.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.613 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 50 Resp: 54106

Ion Ratio Lower Upper

50 100

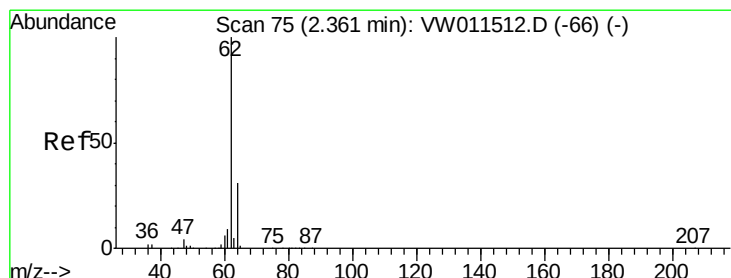
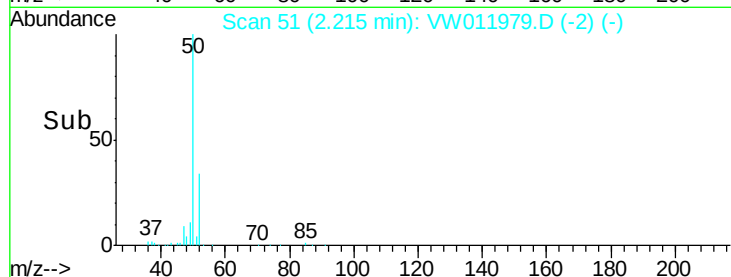
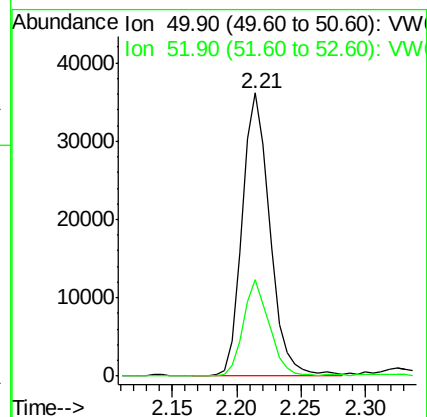
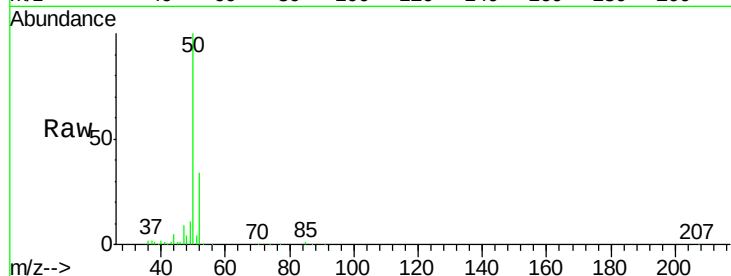
52 33.9 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.235 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011979.D

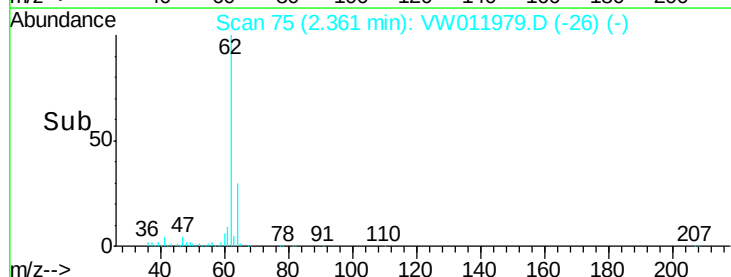
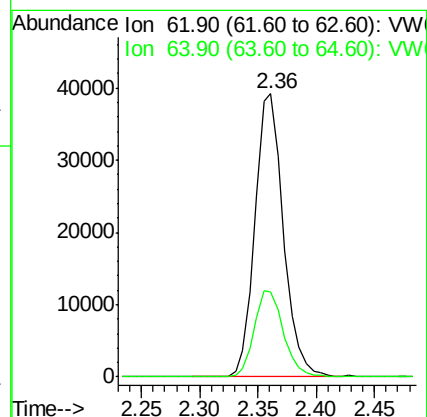
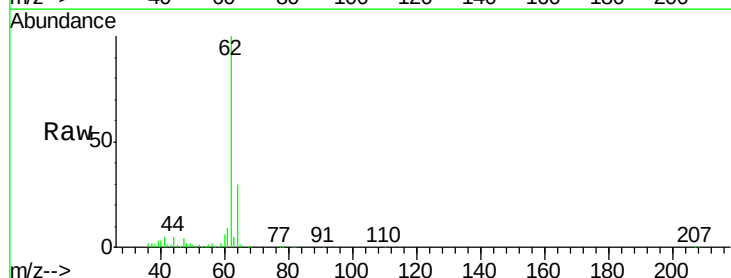
Acq: 19 Aug 2019 09:56

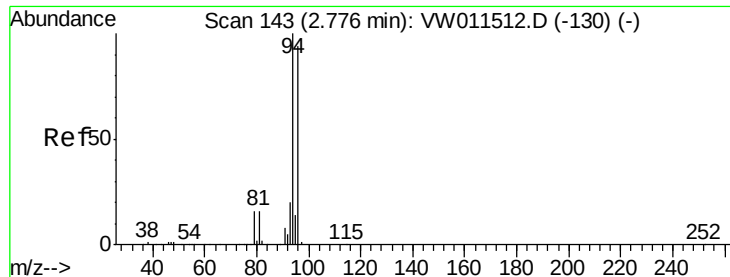
Tgt Ion: 62 Resp: 66930

Ion Ratio Lower Upper

62 100

64 30.0 25.0 37.4





#5

Bromomethane

Concen: 20.586 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 94 Resp: 32823

Ion Ratio Lower Upper

94 100

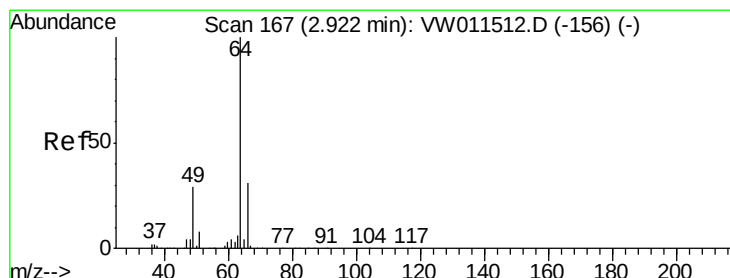
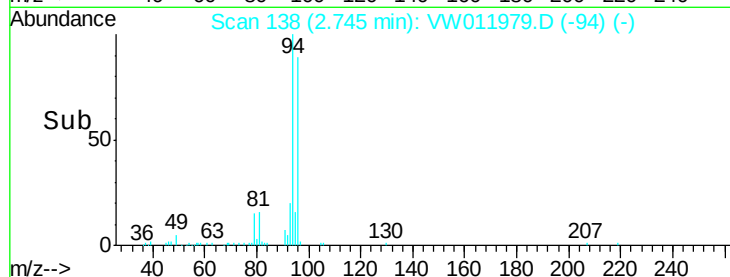
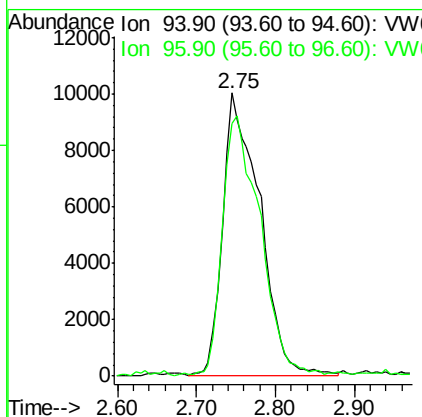
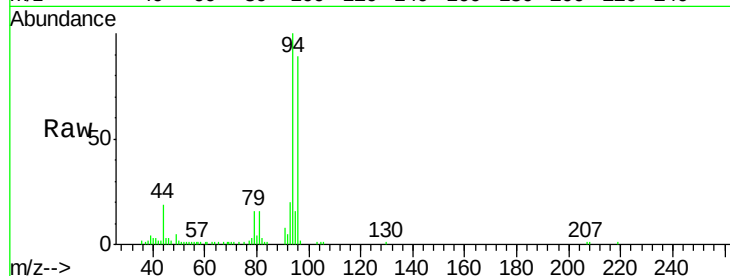
96 88.5 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 22.519 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011979.D

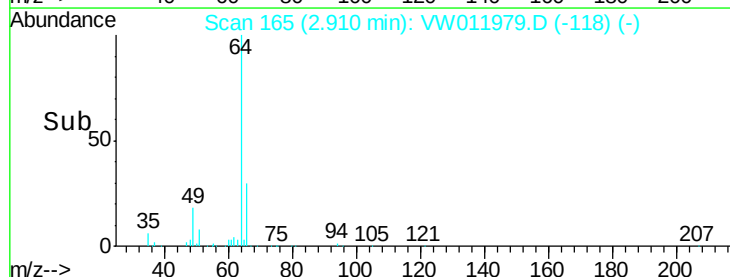
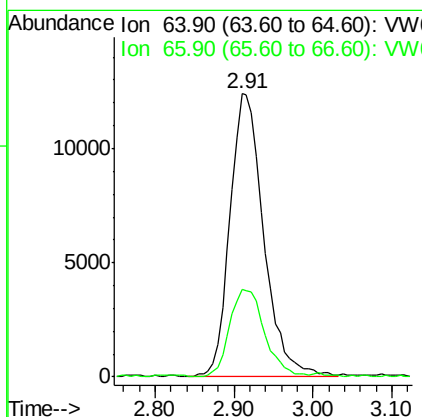
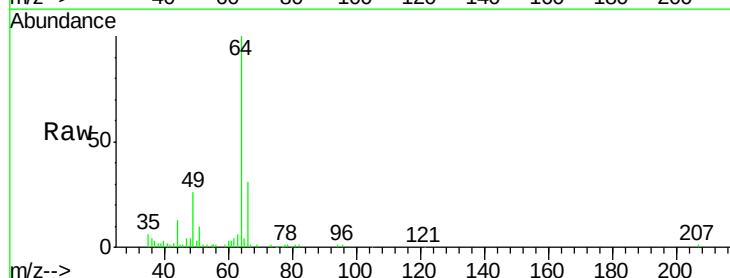
Acq: 19 Aug 2019 09:56

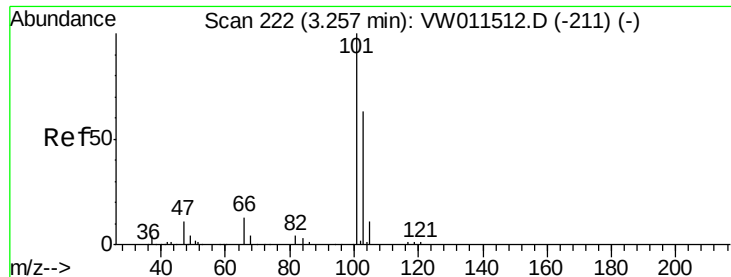
Tgt Ion: 64 Resp: 37053

Ion Ratio Lower Upper

64 100

66 30.9 24.6 36.8





#7

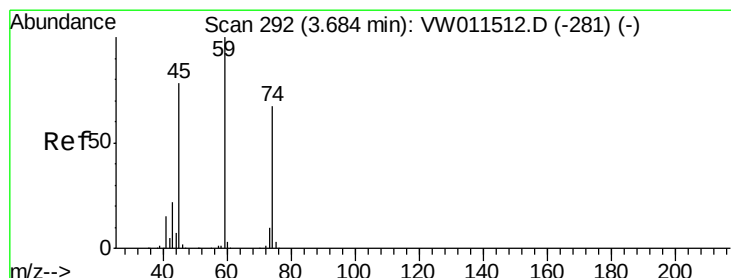
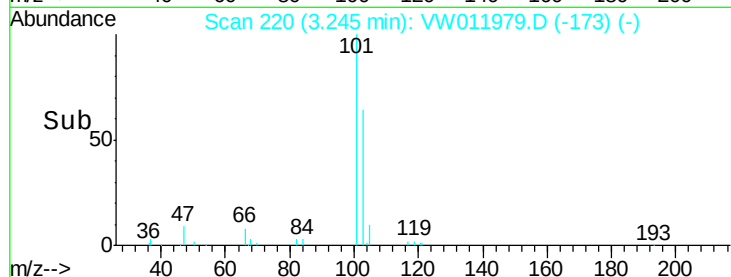
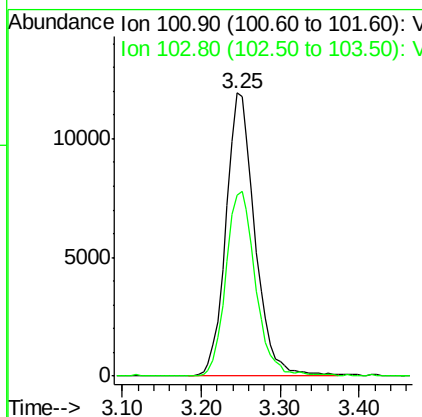
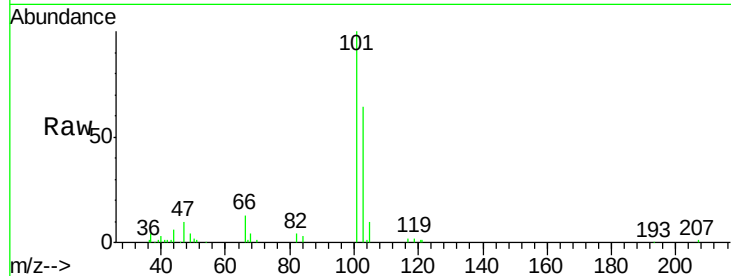
Trichlorofluoromethane
 Concen: 23.731 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampled :
 VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	30551		
103	64.1	50.2	75.4	

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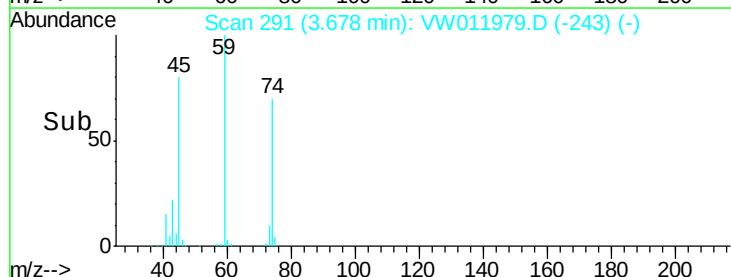
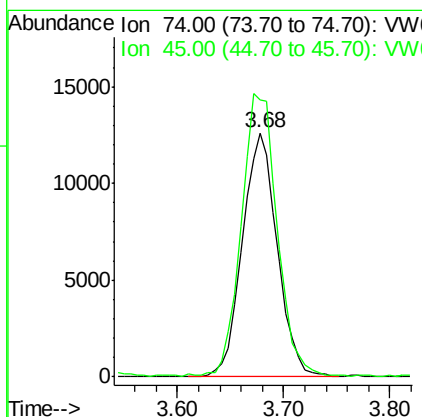
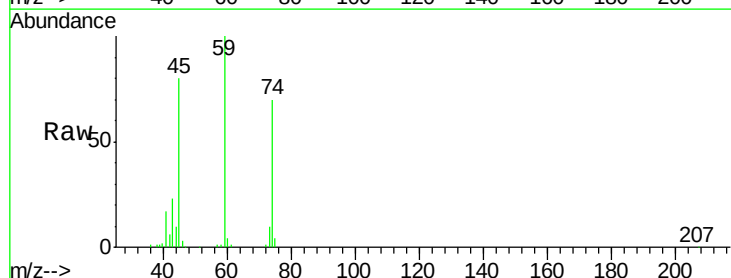
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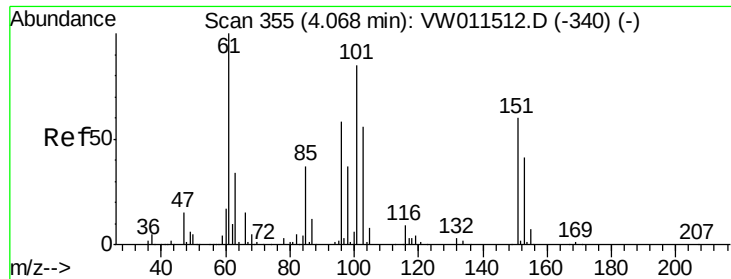


#8

Diethyl Ether
 Concen: 19.830 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	28944		
45	119.8	59.6	178.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.583 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

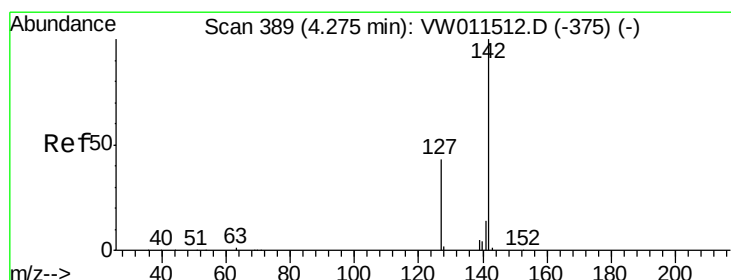
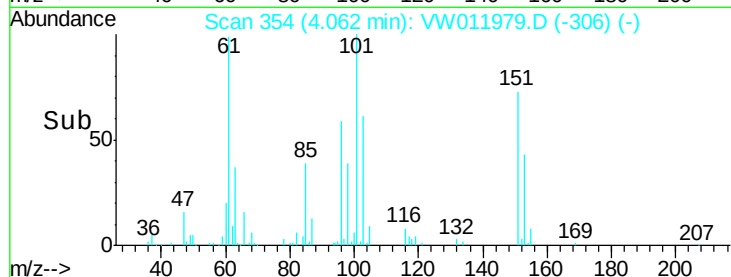
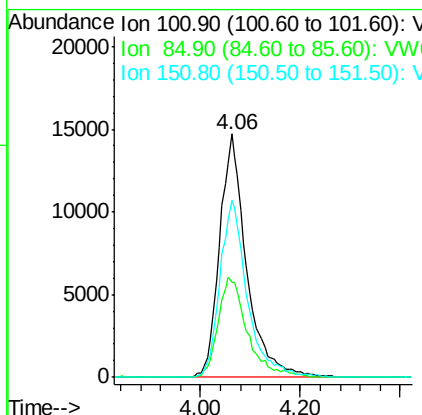
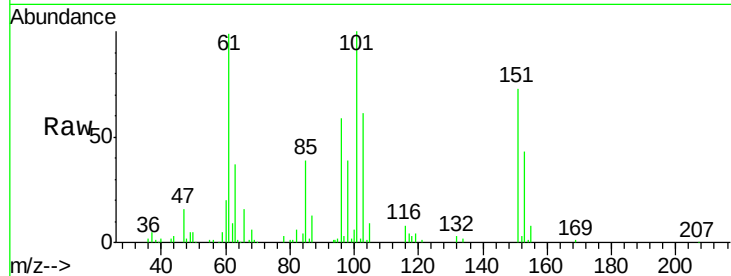
ClientSampleId :

VW0819SBS01

Tot Ion:	101	Resp:	55151
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.6	54.8
151	73.2	60.2	90.2

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#10

Methyl Iodide

Concen: 21.609 ug/l

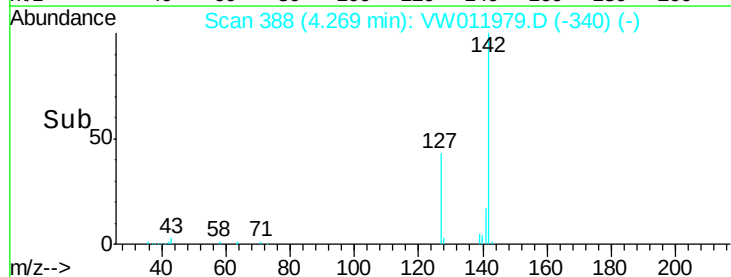
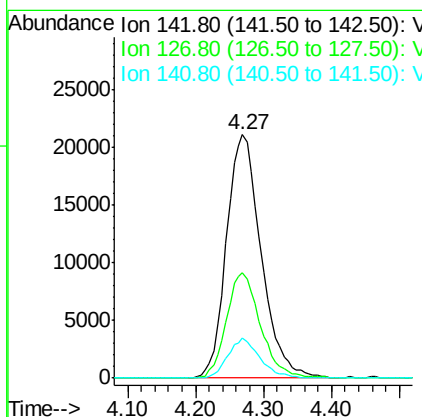
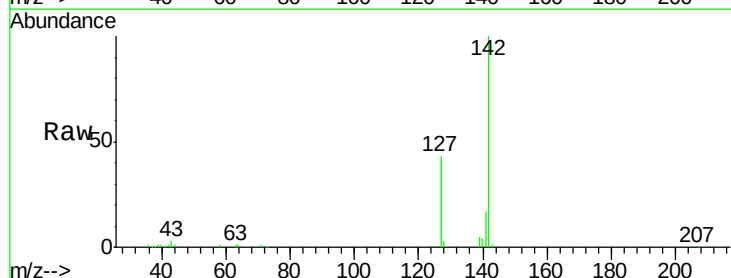
RT: 4.27 min Scan# 388

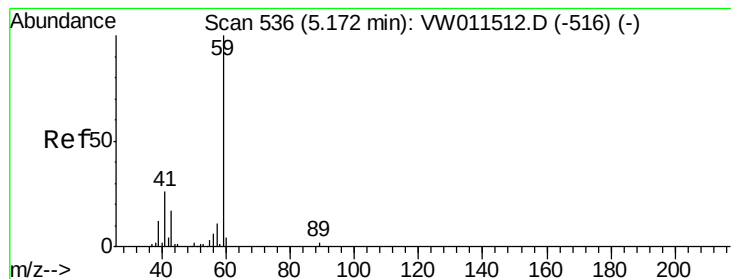
Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion:	142	Resp:	74576
Ion Ratio	Lower	Upper	
142	100		
127	42.6	35.0	52.6
141	15.2	11.9	17.9





#11

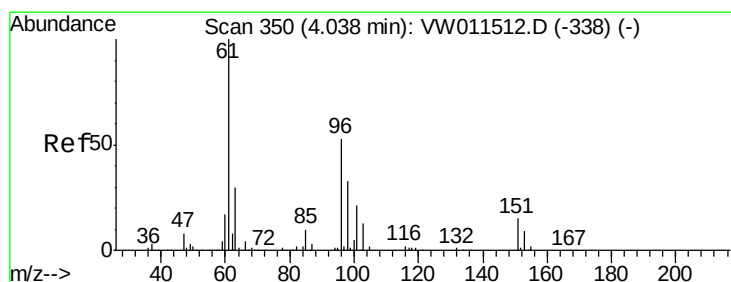
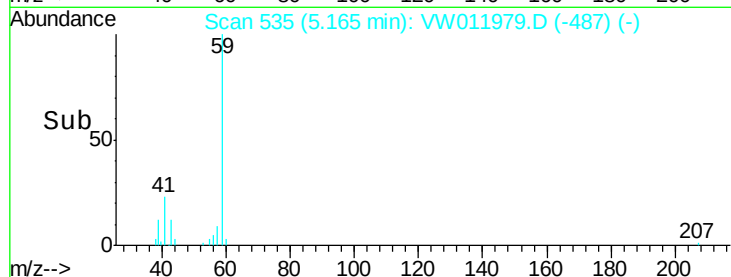
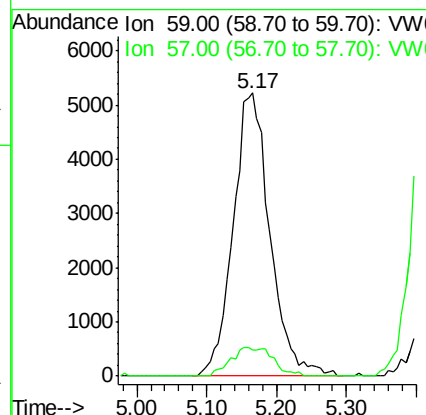
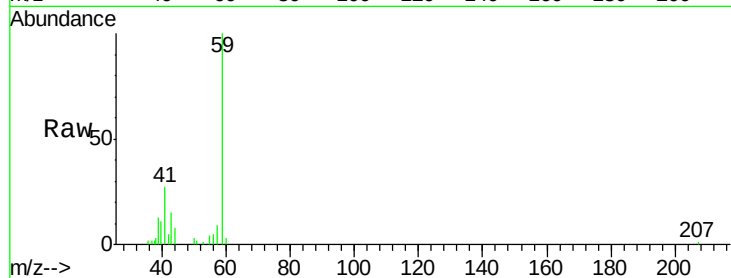
Tert butyl alcohol
 Concen: 78.564 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.5	12.7

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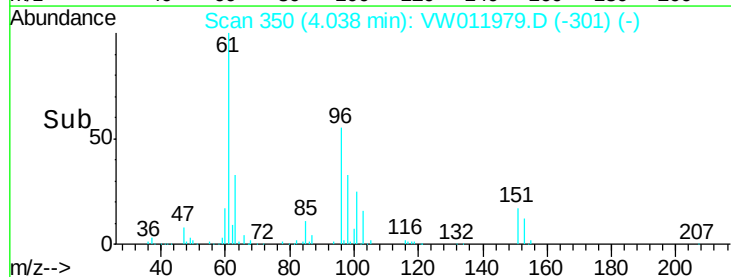
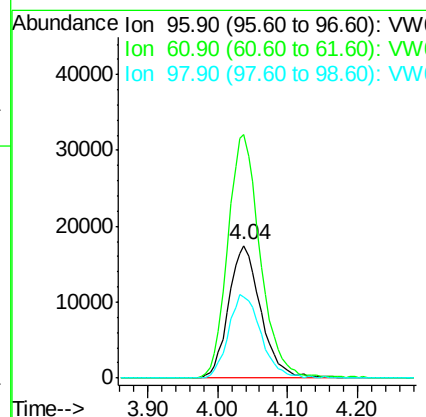
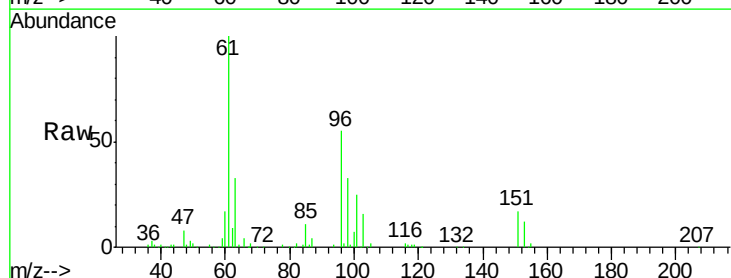
MMDadoda
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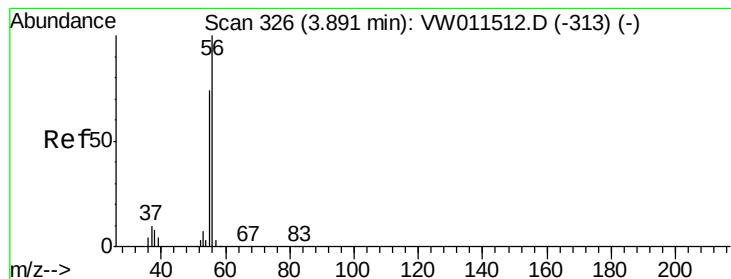


#12

1,1-Dichloroethene
 Concen: 21.581 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	149.9	224.9
98	61.4	49.1	73.7





#13

Acrolein

Concen: 61.635 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 56 Resp: 12573

Ion Ratio Lower Upper

56 100

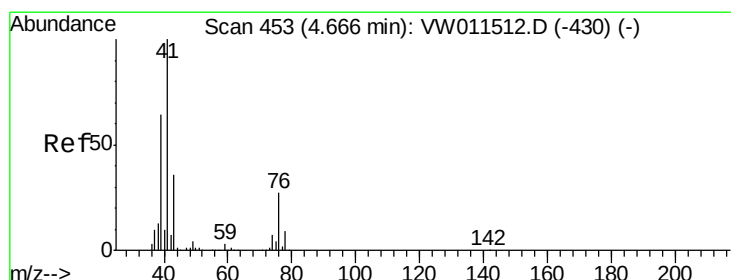
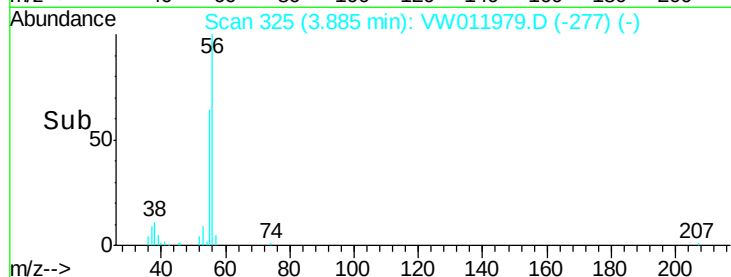
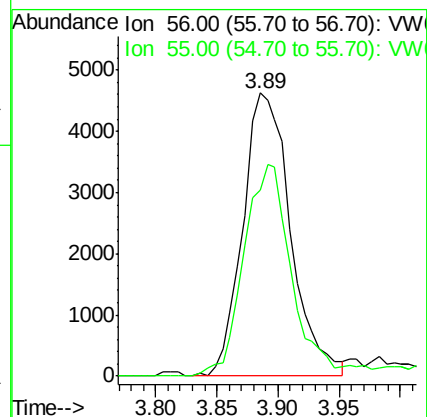
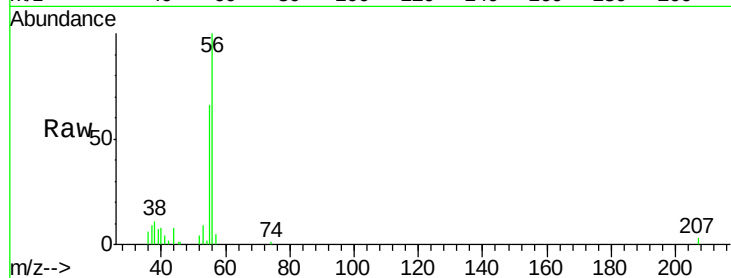
55 73.7 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.980 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

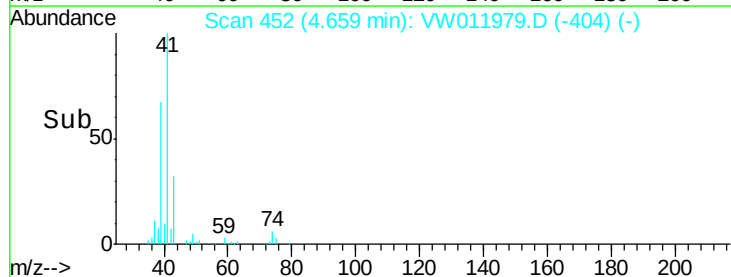
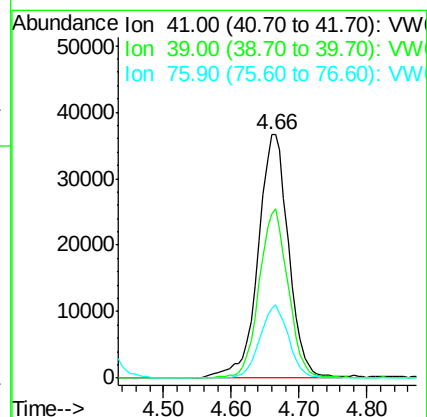
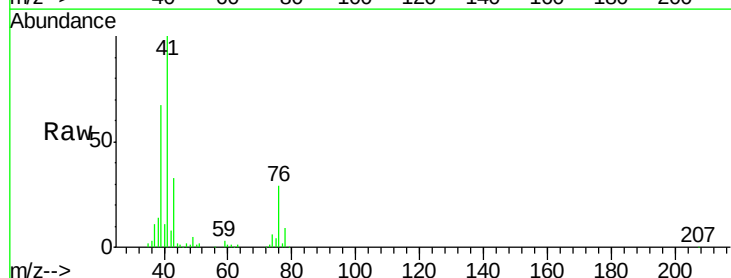
Tgt Ion: 41 Resp: 115059

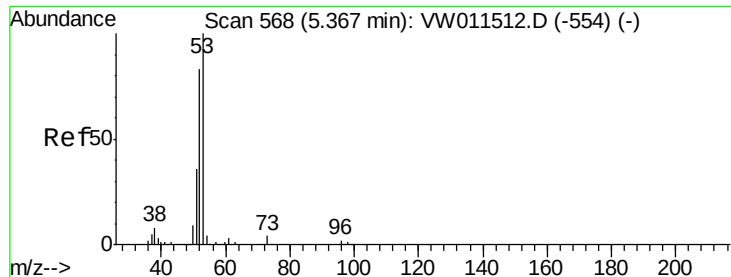
Ion Ratio Lower Upper

41 100

39 66.2 52.6 78.8

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 98.411 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

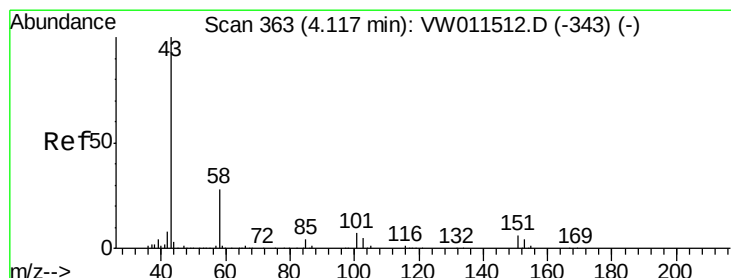
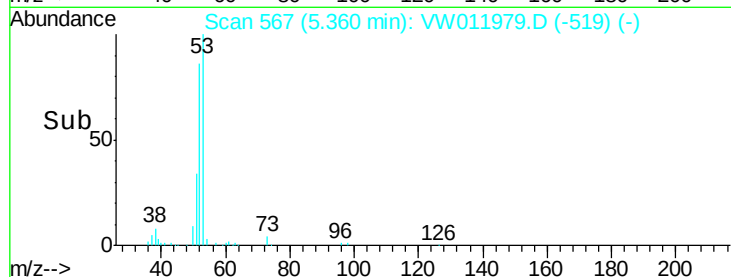
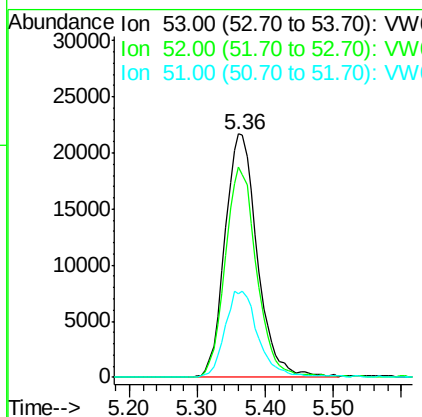
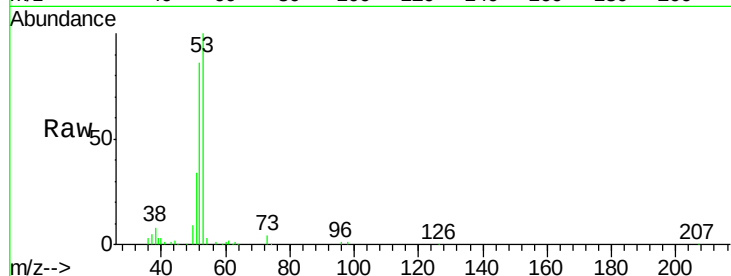
ClientSampleId :

VW0819SBS01

Tot Ion:	53	Resp:	71706
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.2	100.8
51	36.5	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 80.900 ug/l

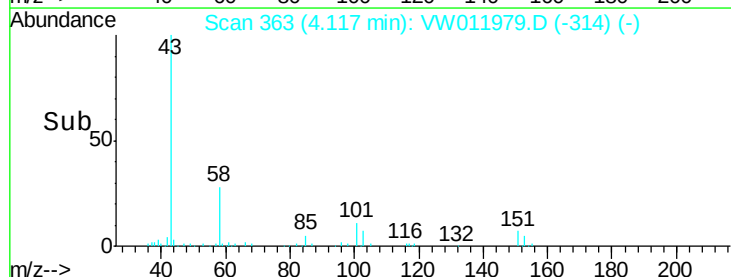
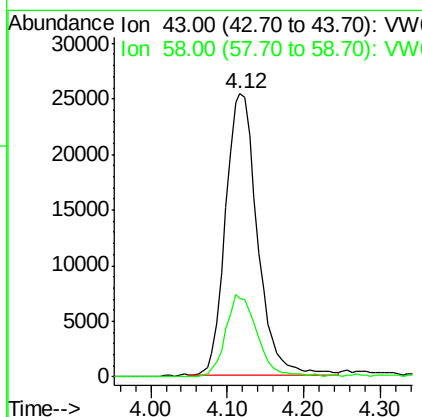
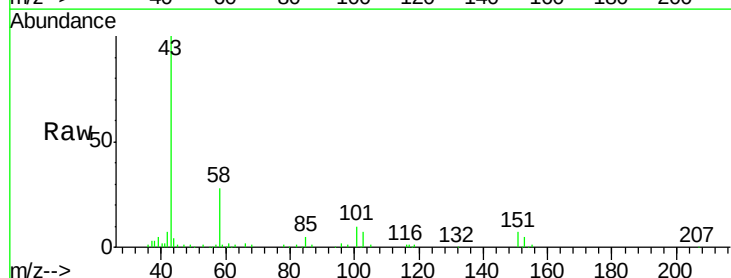
RT: 4.12 min Scan# 363

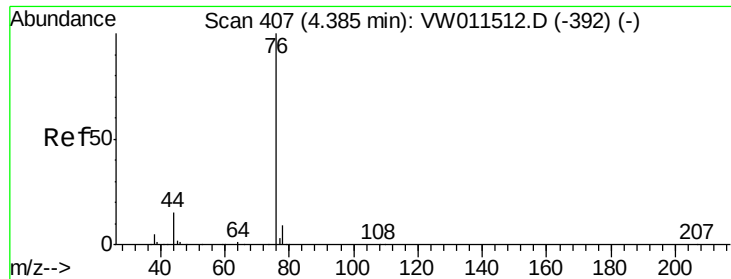
Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion:	43	Resp:	73161
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





#17

Carbon Disulfide

Concen: 20.629 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 76 Resp: 166485

Ion Ratio Lower Upper

76 100

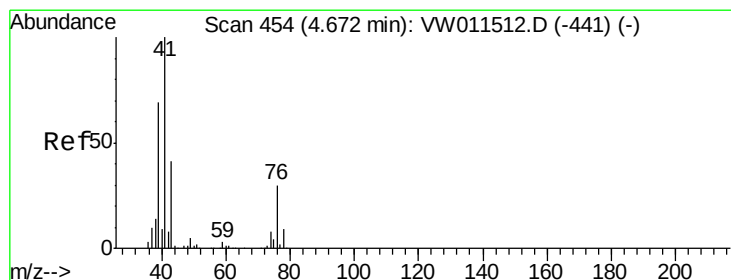
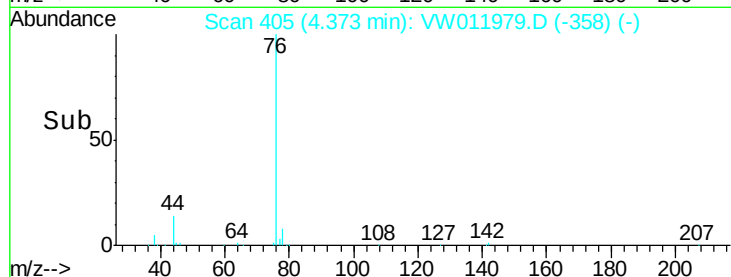
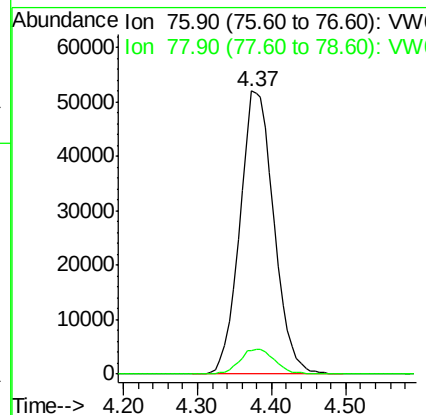
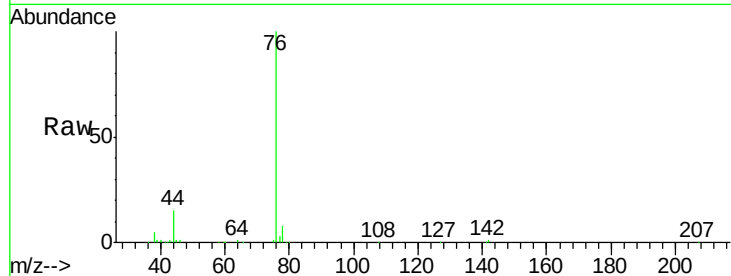
78 8.2 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 18.962 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW011979.D

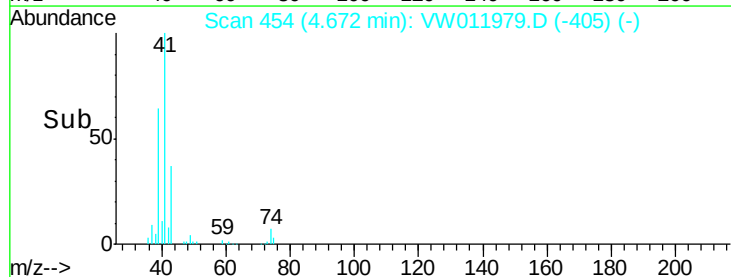
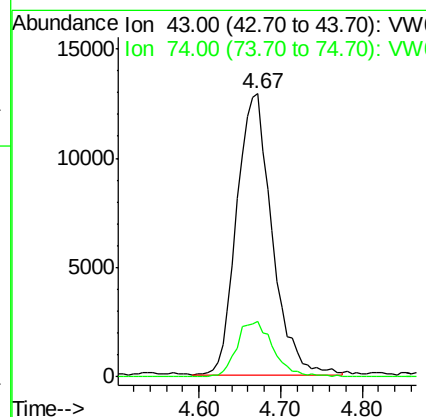
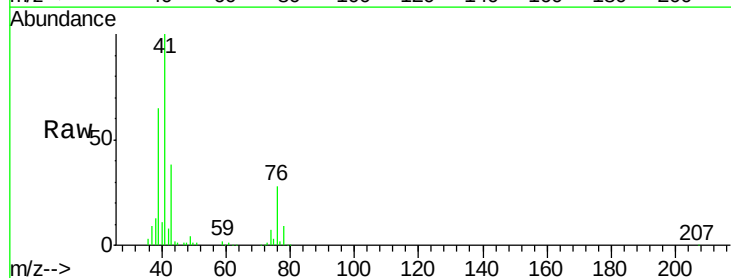
Acq: 19 Aug 2019 09:56

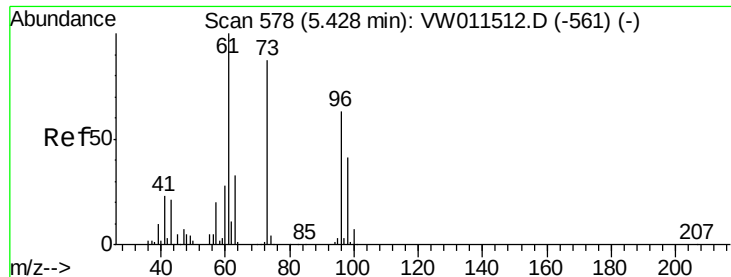
Tgt Ion: 43 Resp: 38522

Ion Ratio Lower Upper

43 100

74 20.5 15.9 23.9





#19

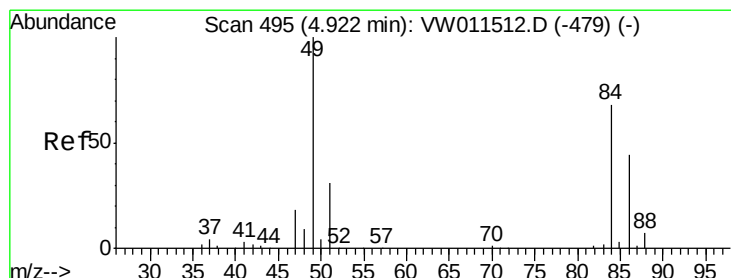
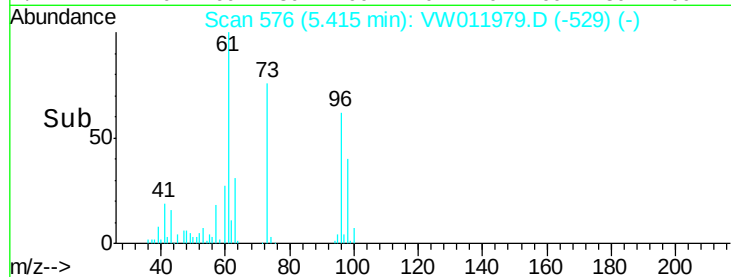
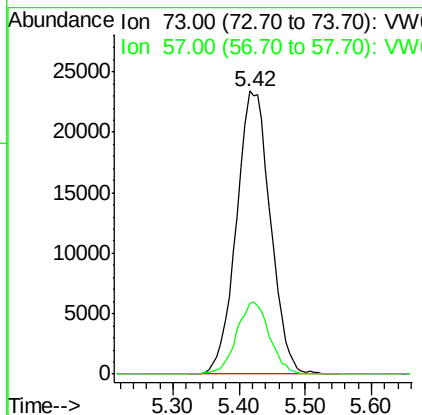
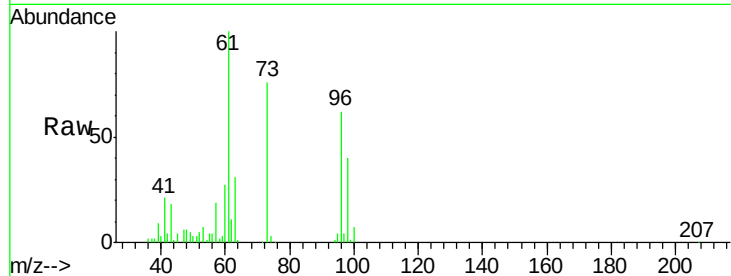
Methyl tert-butyl Ether
 Concen: 20.391 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.1	18.4	27.6

Manual Integrations
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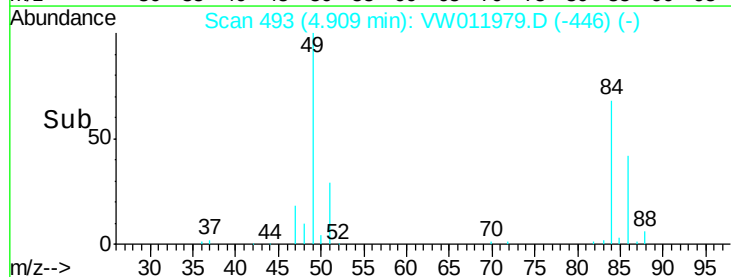
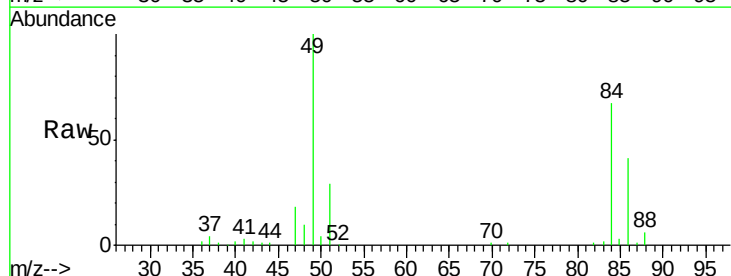
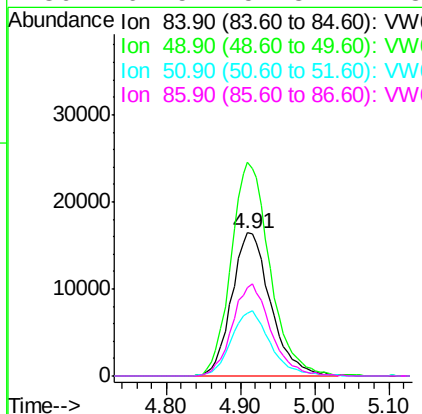
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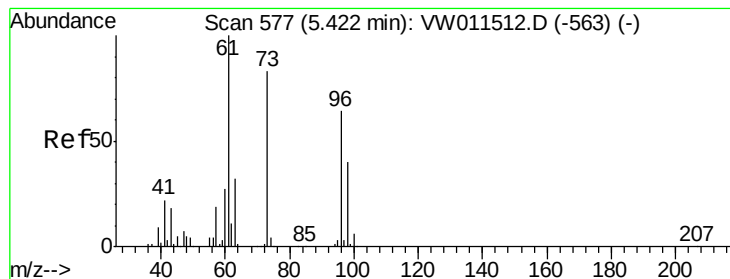


#20

Methylene Chloride
 Concen: 19.288 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.1	117.8	176.6
51	43.9	37.0	55.4
86	61.5	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 20.949 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

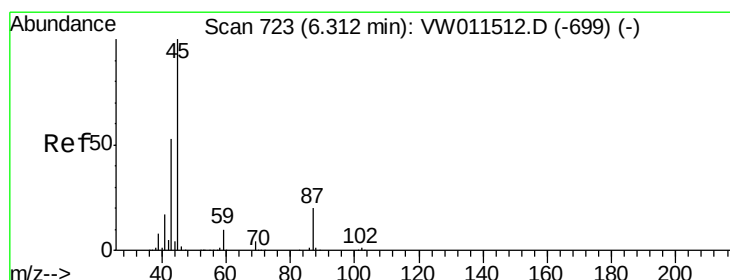
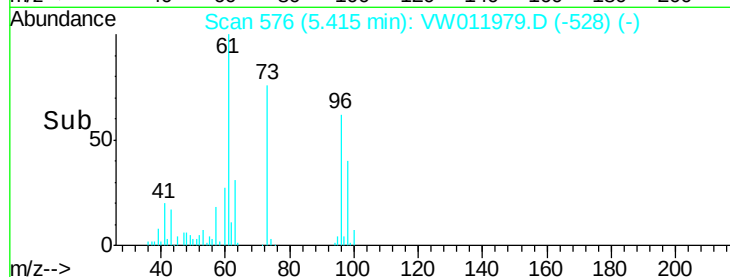
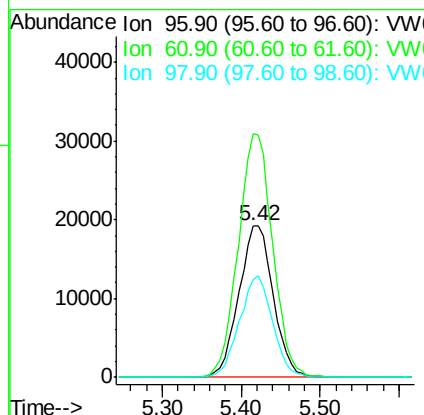
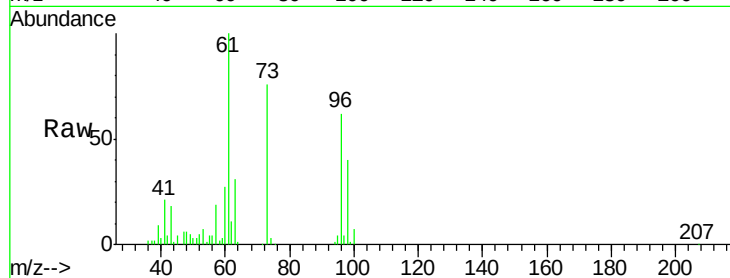
ClientSampleId :

VW0819SBS01

Tot Ion:	96	Resp:	58235
Ion	Ratio	Lower	Upper
96	100		
61	160.7	125.7	188.5
98	64.9	50.3	75.5

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#22

Diisopropyl ether

Concen: 20.629 ug/l

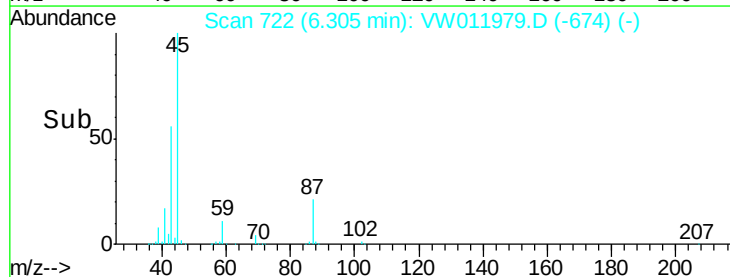
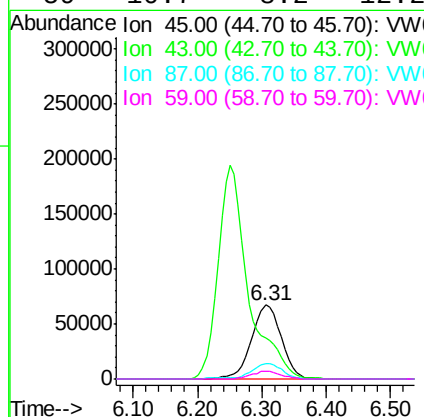
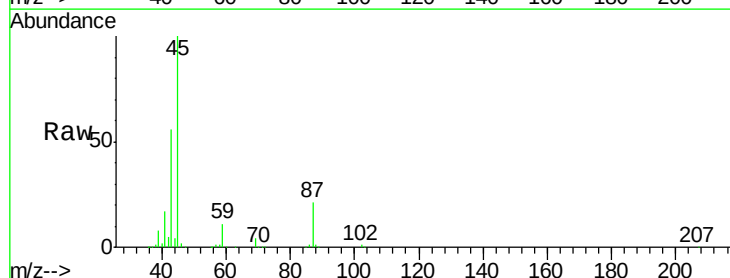
RT: 6.31 min Scan# 722

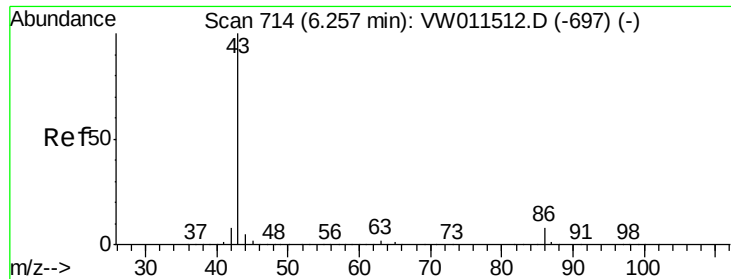
Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion:	45	Resp:	213303
Ion	Ratio	Lower	Upper
45	100		
43	55.2	42.6	63.8
87	21.2	16.4	24.6
59	10.7	8.2	12.2





#23

Vinyl Acetate

Concen: 98.100 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 43 Resp: 637356

Ion Ratio Lower Upper

43 100

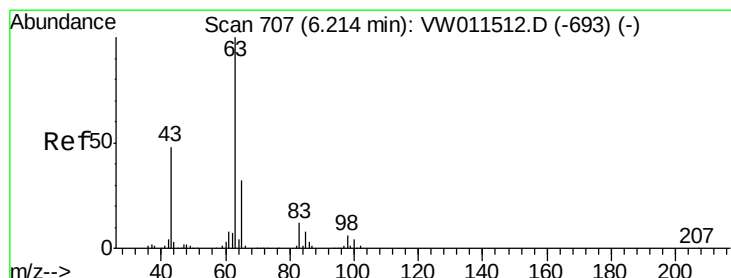
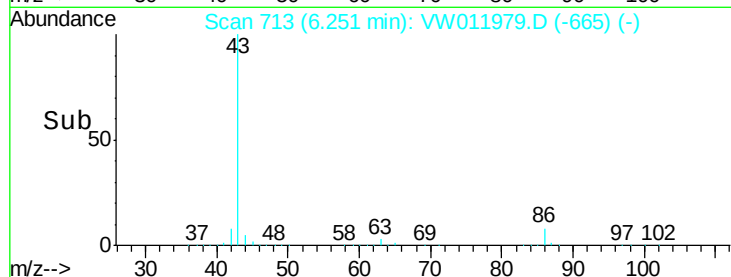
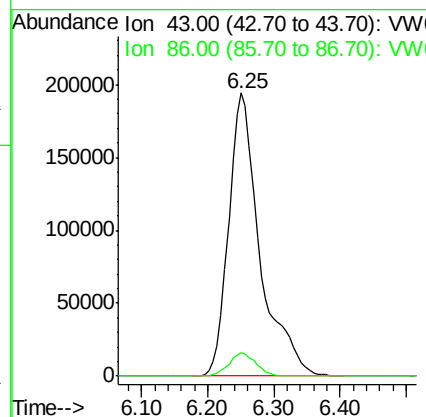
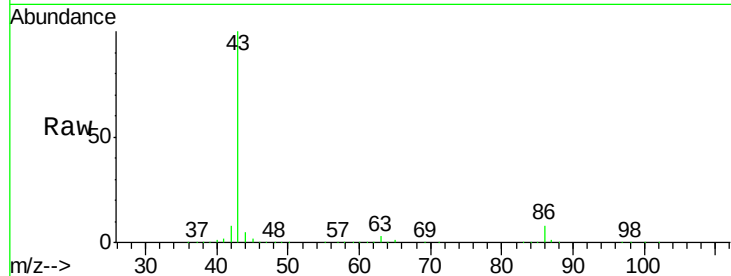
86 8.4 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.631 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

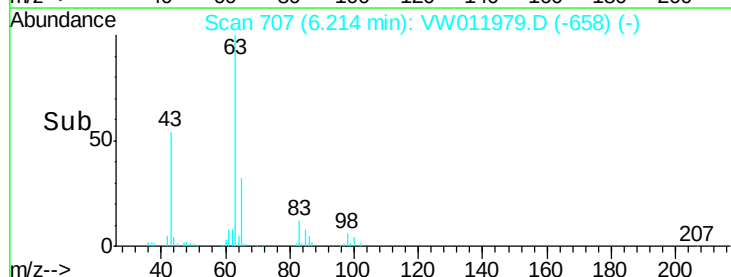
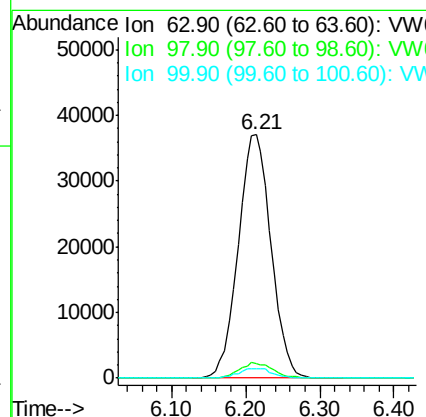
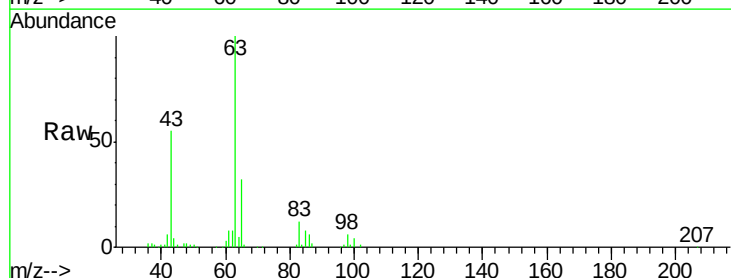
Tgt Ion: 63 Resp: 114248

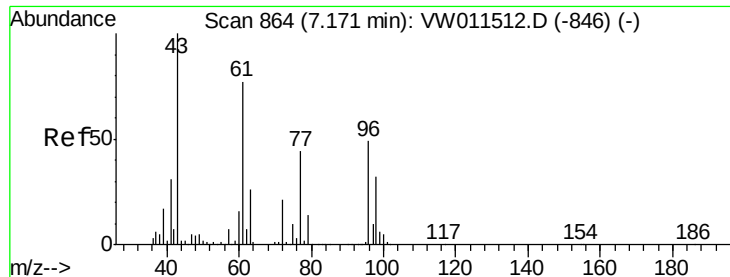
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 85.918 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 43 Resp: 101672

Ion Ratio Lower Upper

43 100

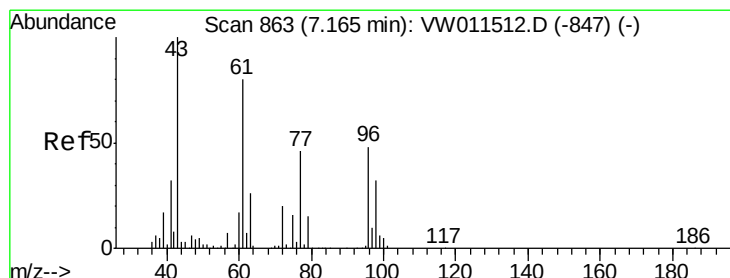
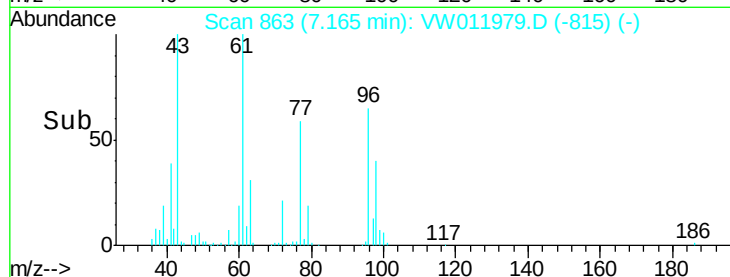
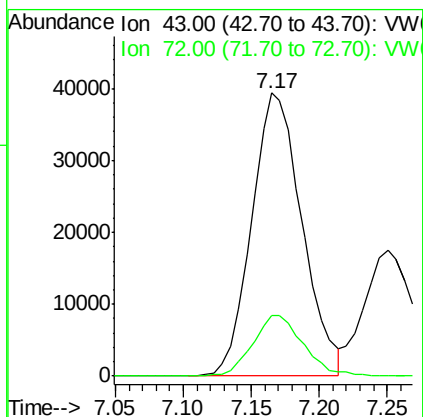
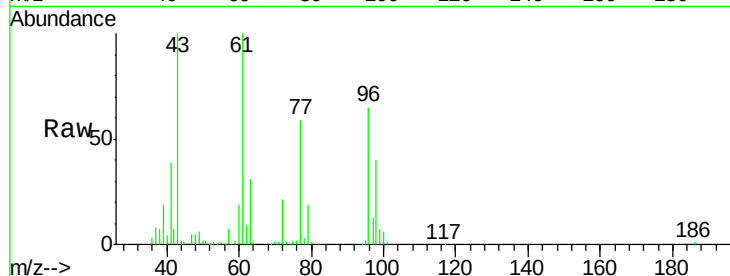
72 21.2 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.157 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011979.D

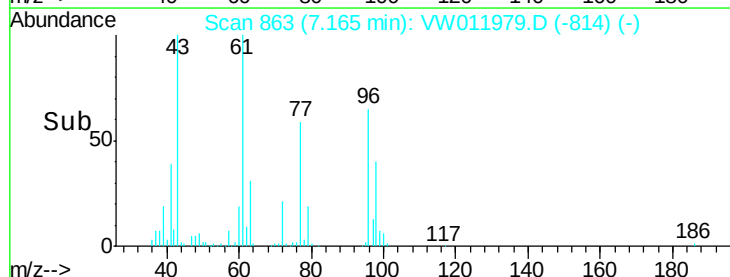
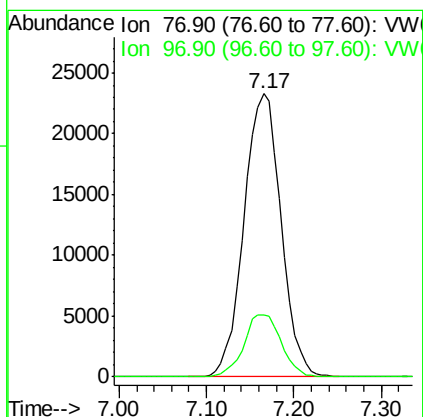
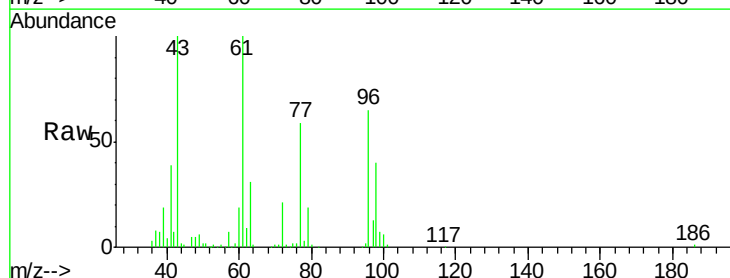
Acq: 19 Aug 2019 09:56

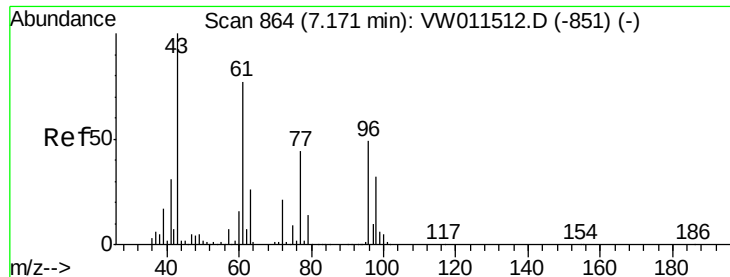
Tgt Ion: 77 Resp: 68648

Ion Ratio Lower Upper

77 100

97 22.2 10.8 32.4





#27

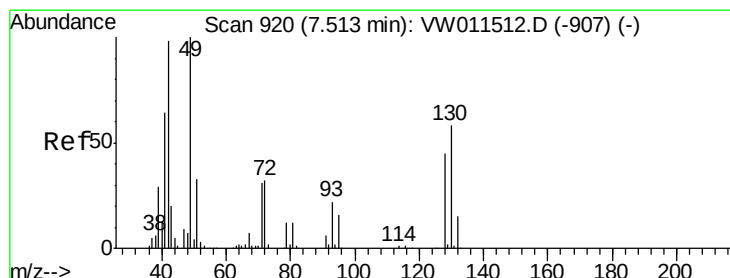
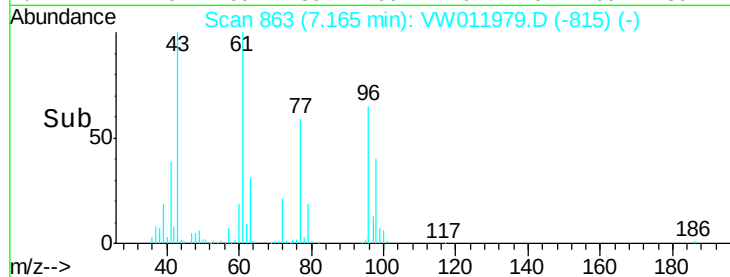
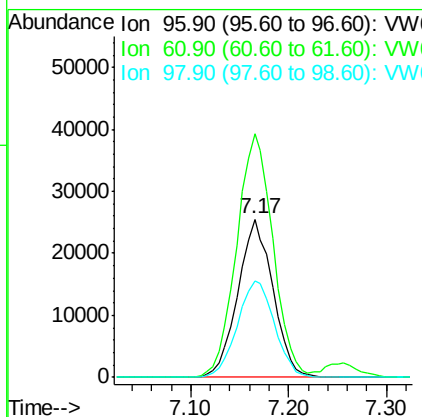
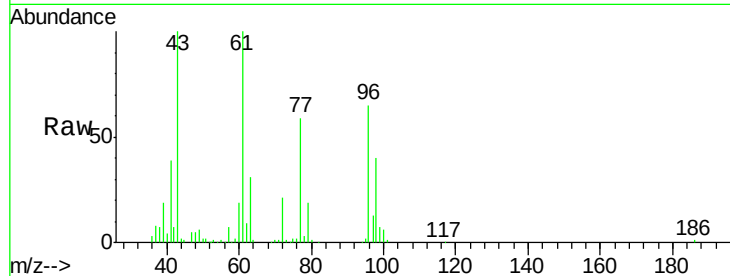
cis-1,2-Dichloroethene
Concen: 20.711 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	328.4
98	64.5	0.0	128.8

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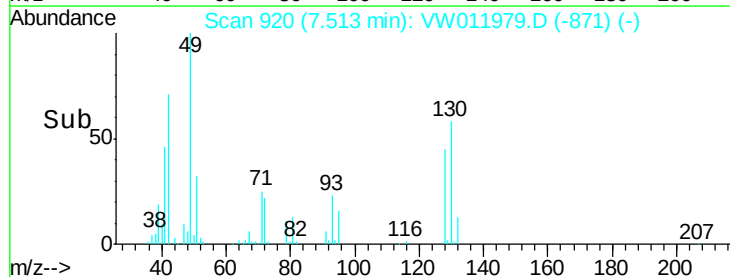
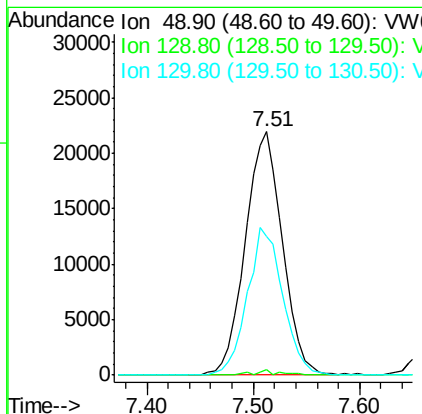
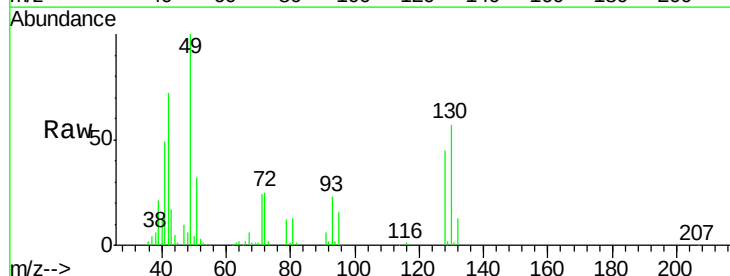
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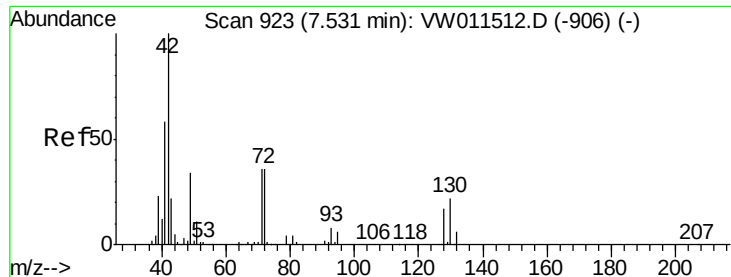


#28

Bromochloromethane
Concen: 21.839 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.0
130	58.1	46.3	69.5





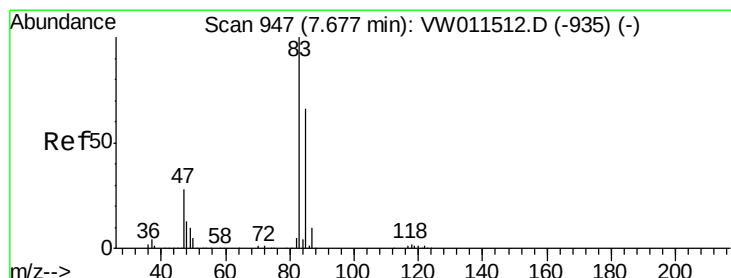
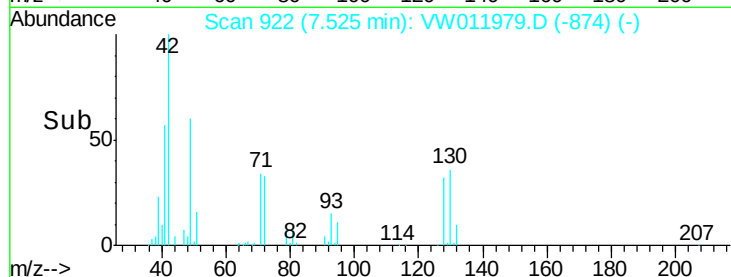
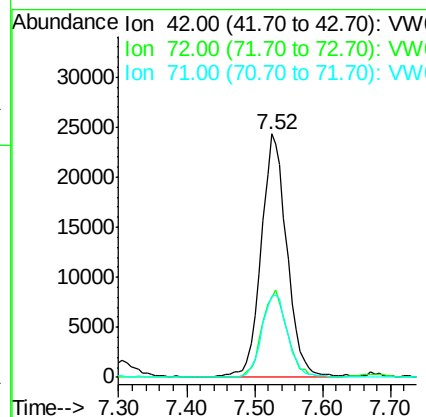
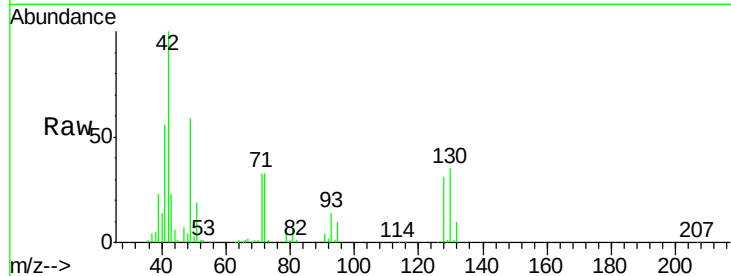
#29
Tetrahydrofuran
Concen: 94.310 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	27.1	40.7
71	34.6	26.2	39.4

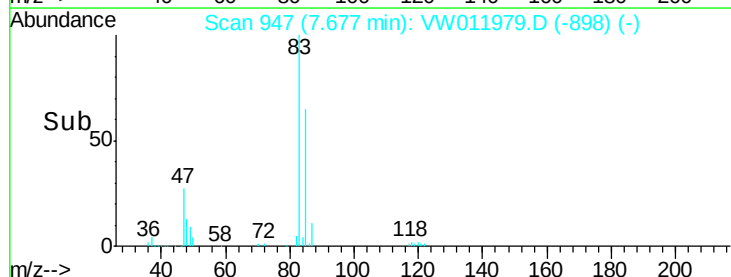
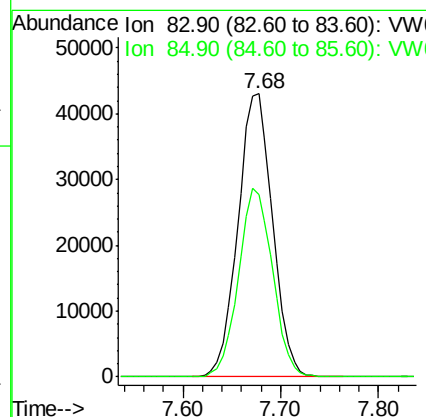
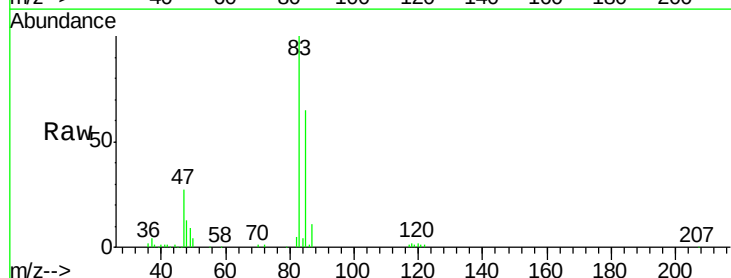
Manual Integrations
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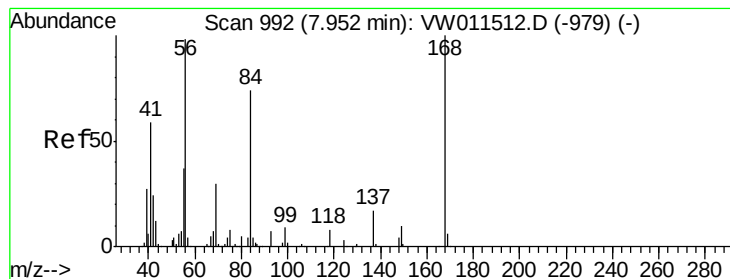
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#30
Chloroform
Concen: 20.629 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7





#31

Cyclohexane

Concen: 21.433 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

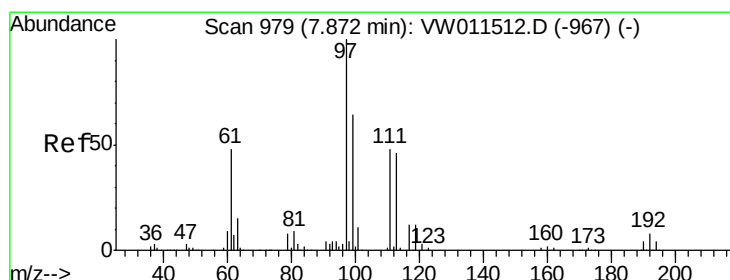
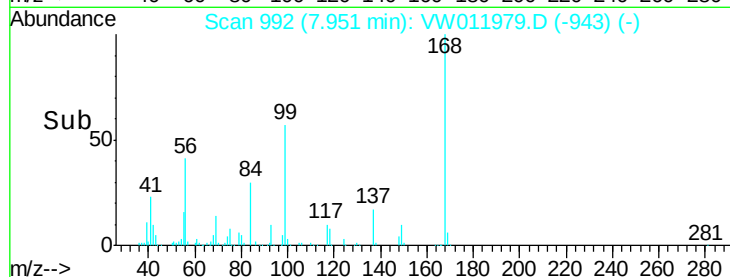
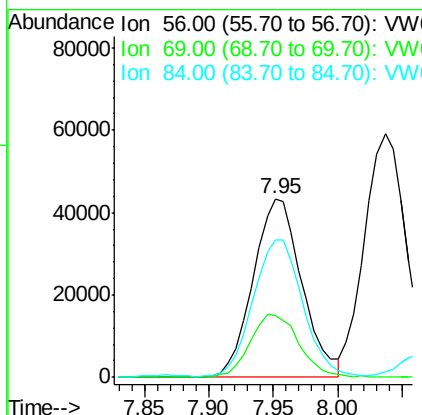
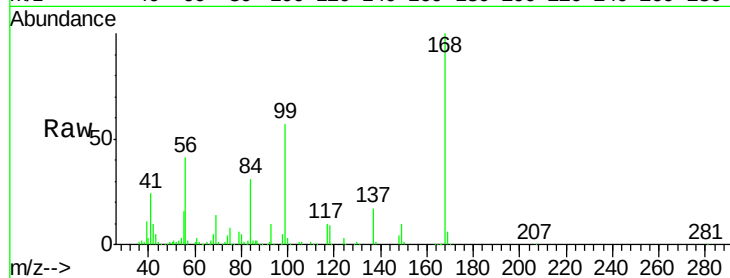
ClientSampleId :

VW0819SBS01

Tot Ion:	56	Resp:	113928
Ion Ratio	Lower	Upper	
56	100		
69	34.9	24.3	36.5
84	75.7	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.703 ug/l

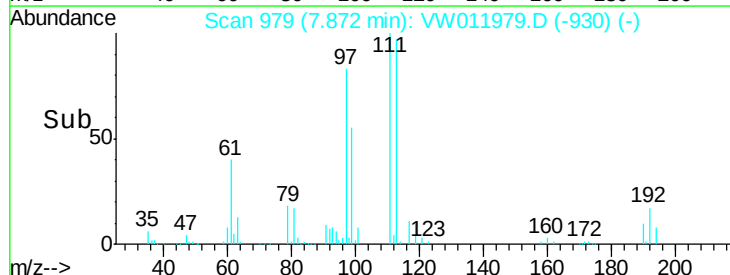
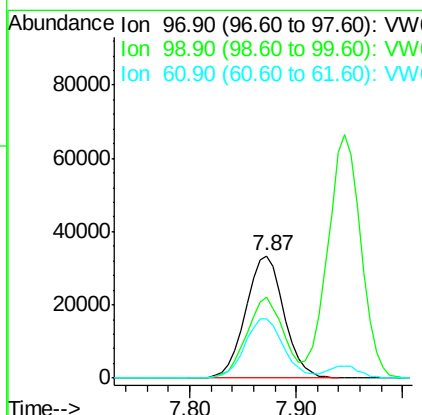
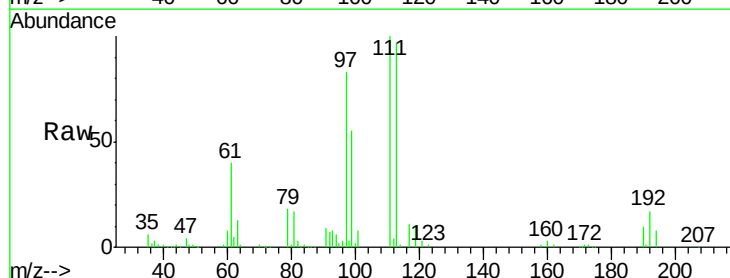
RT: 7.87 min Scan# 979

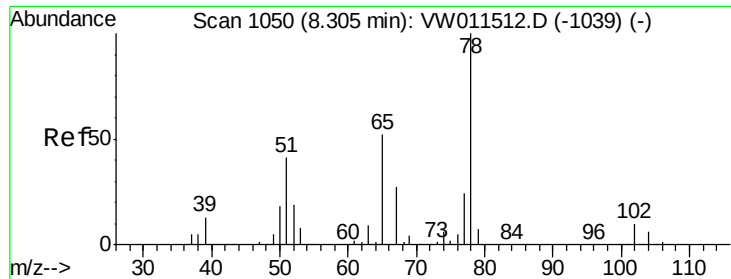
Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion:	97	Resp:	84442
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.0	76.6
61	49.0	39.8	59.6





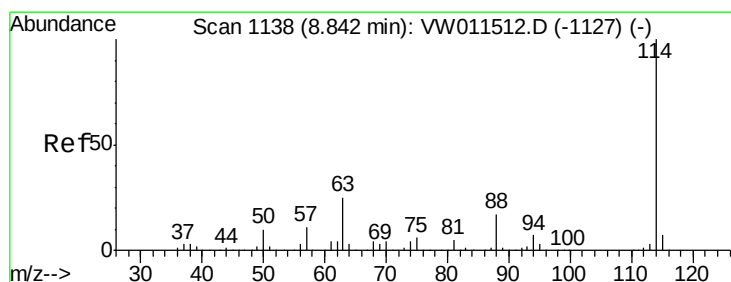
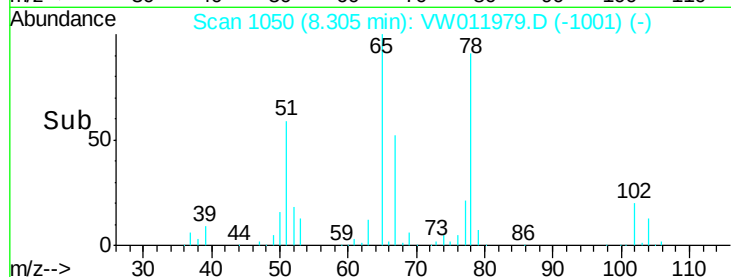
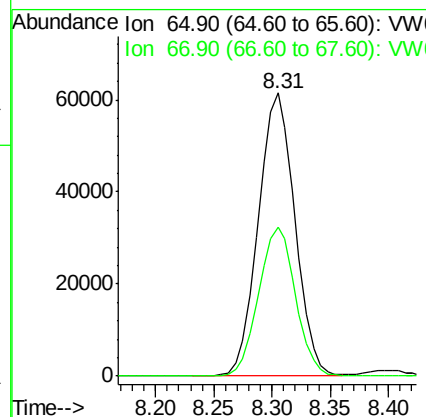
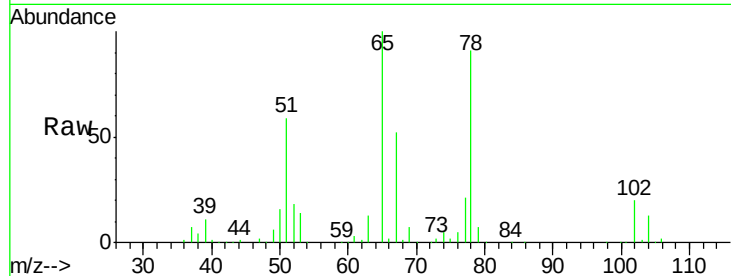
#33
 1,2-Dichloroethane-d4
 Concen: 47.463 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134936		
67	52.8	0.0	105.2	

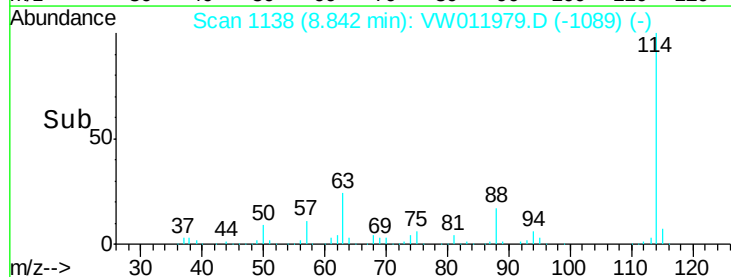
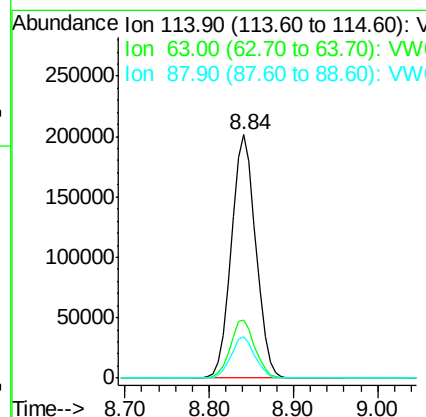
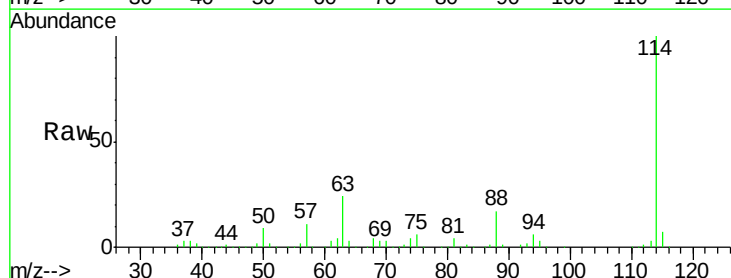
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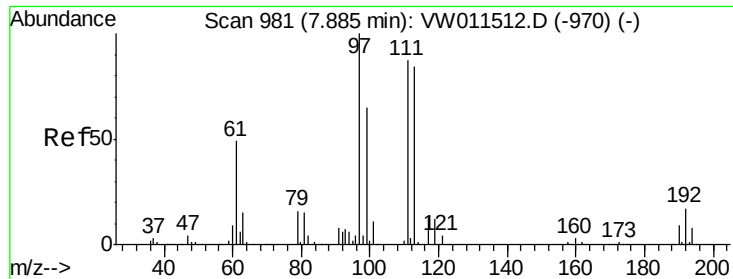
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	395945		
63	23.6	0.0	49.2	
88	16.8	0.0	33.8	





#35

Dibromofluoromethane

Concen: 51.527 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

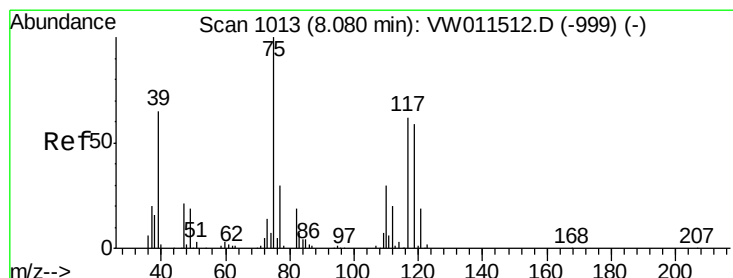
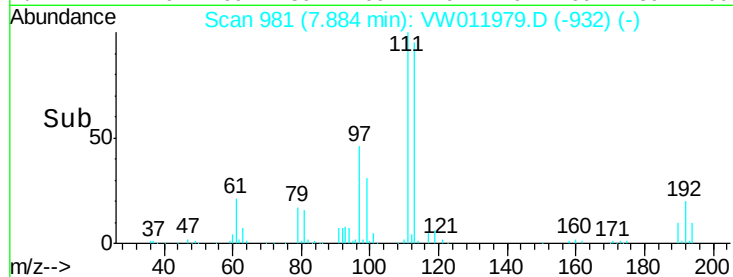
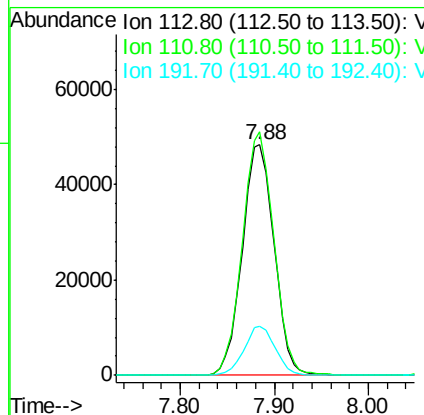
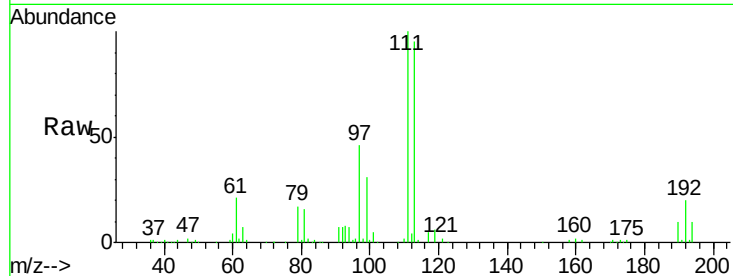
ClientSampleId :

VW0819SBS01

Tot Ion:	113	Resp:	114458
Ion Ratio	Lower	Upper	
113	100		
111	104.2	82.7	124.1
192	20.9	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.044 ug/l

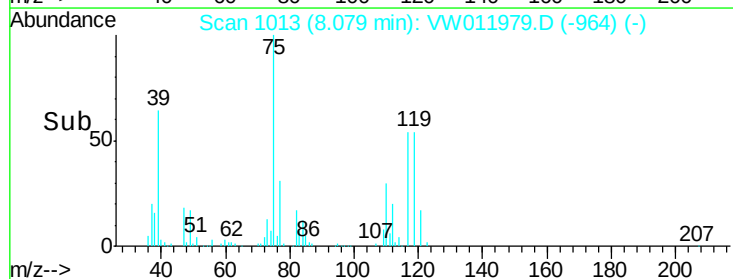
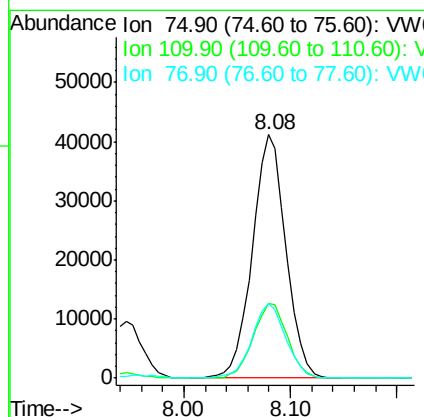
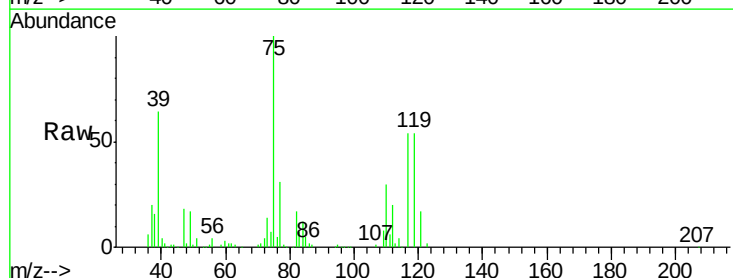
RT: 8.08 min Scan# 1013

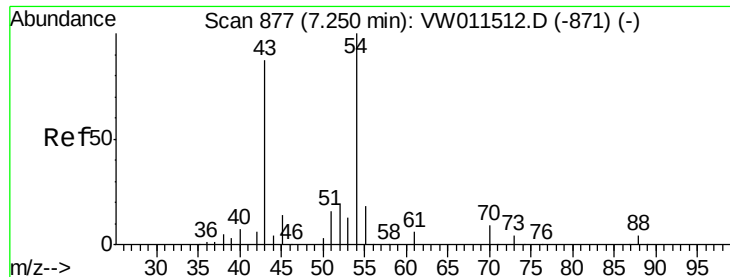
Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion:	75	Resp:	90756
Ion Ratio	Lower	Upper	
75	100		
110	31.3	15.6	46.8
77	31.0	24.3	36.5





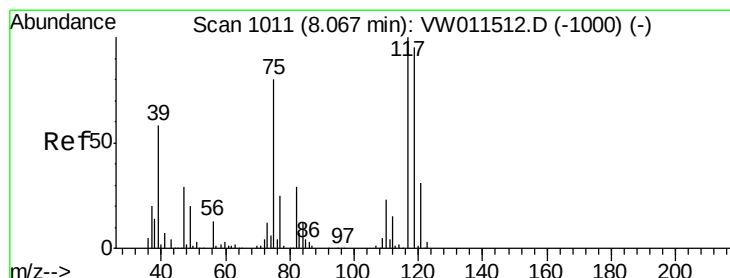
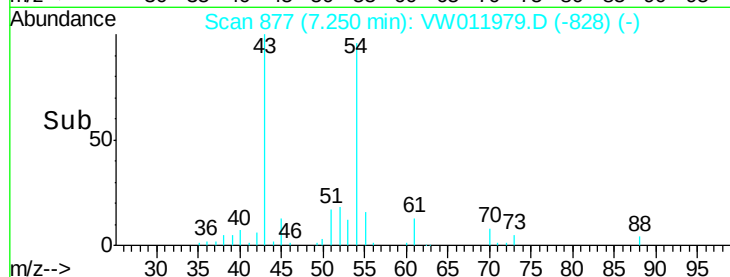
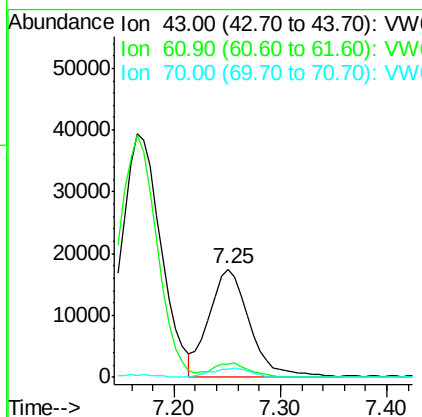
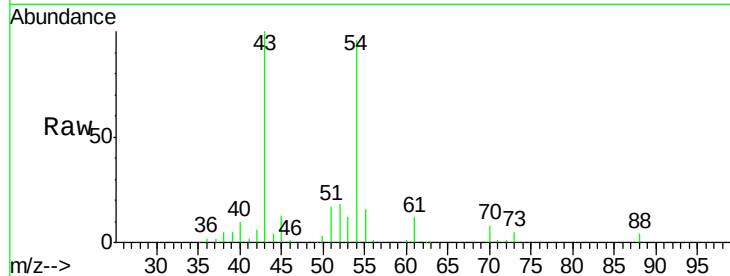
#37
Ethyl Acetate
Concen: 19.212 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampled :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	8.8	13.2
70	8.7	7.1	10.7

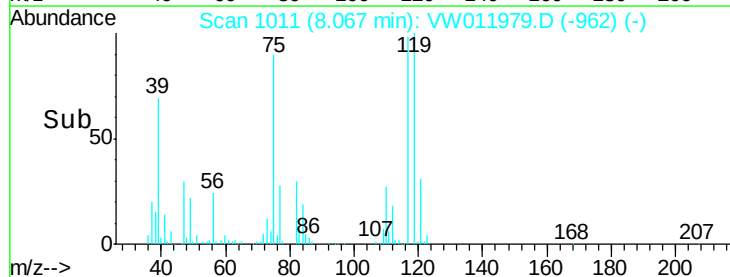
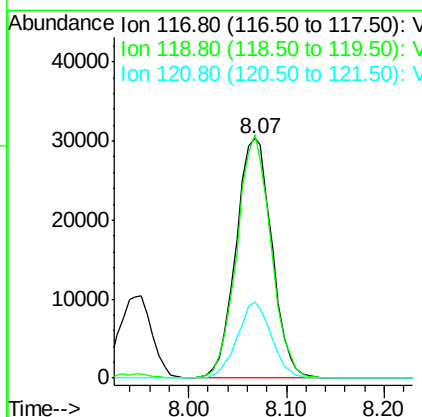
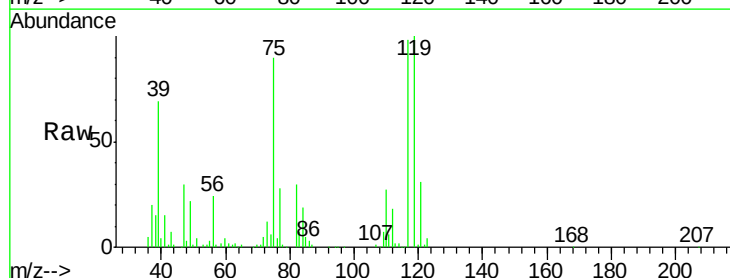
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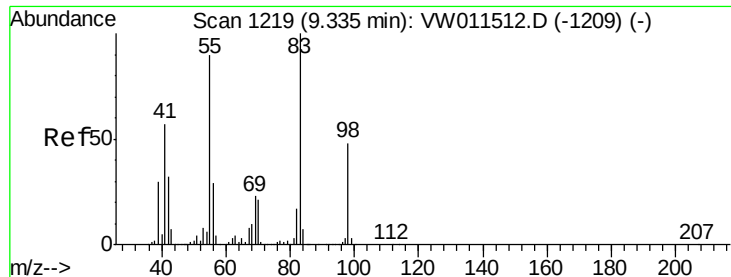
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#38
Carbon Tetrachloride
Concen: 21.917 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	75.8	113.6
121	31.6	24.7	37.1





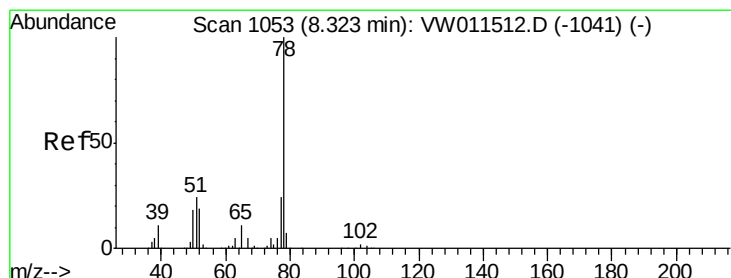
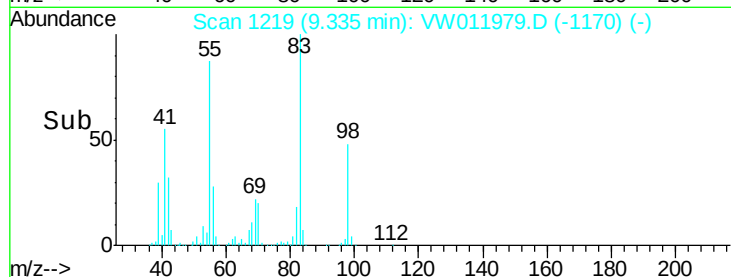
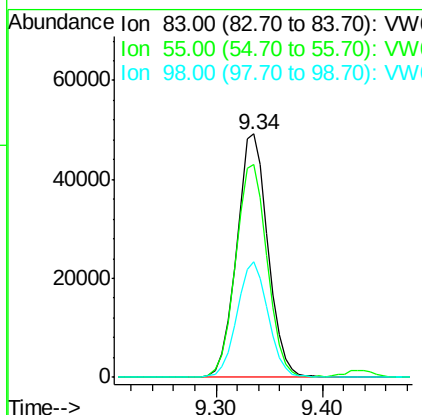
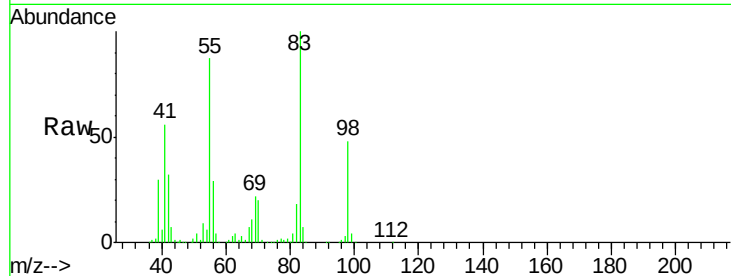
#39
Methylvlcyclohexane
Concen: 22.346 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	72.1	108.1
98	47.6	38.6	57.8

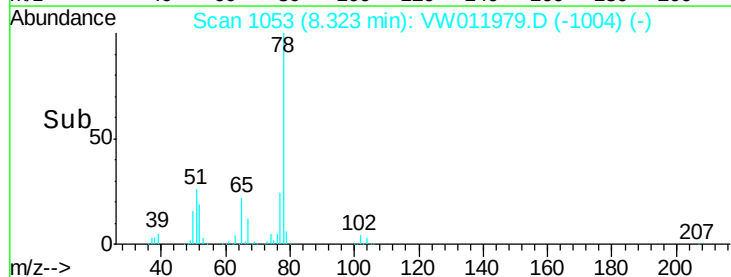
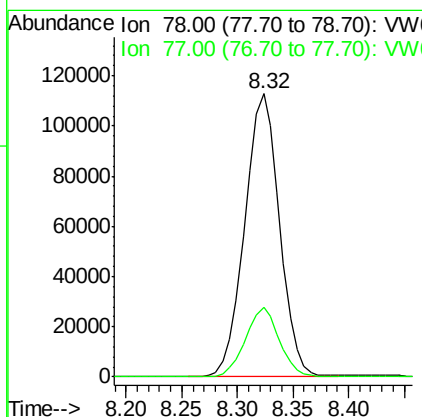
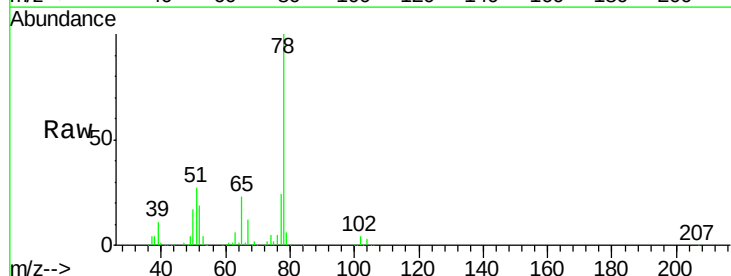
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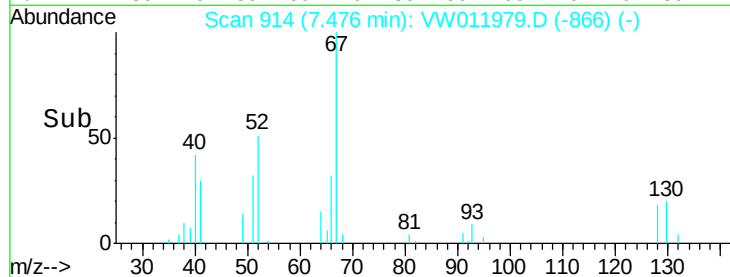
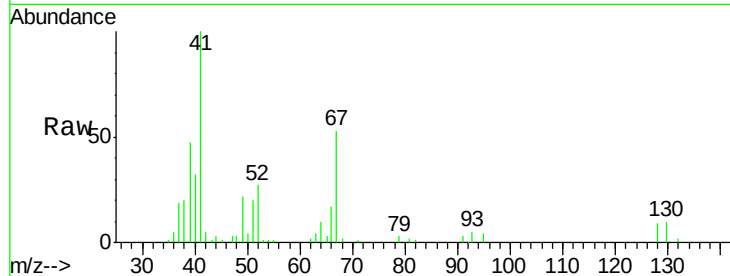
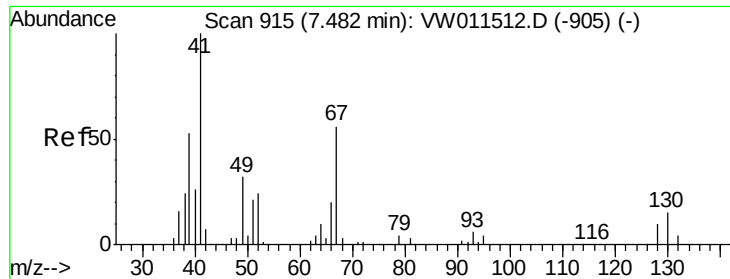
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#40
Benzene
Concen: 21.302 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





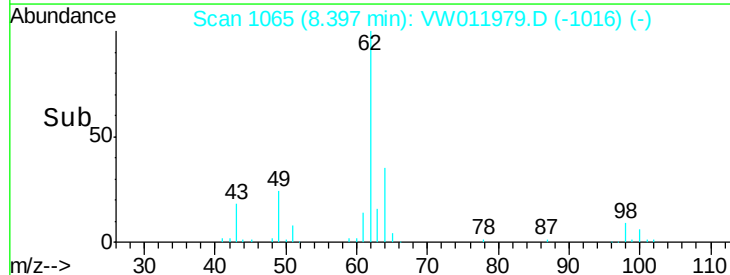
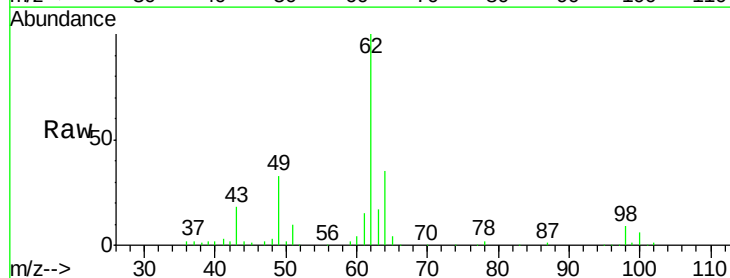
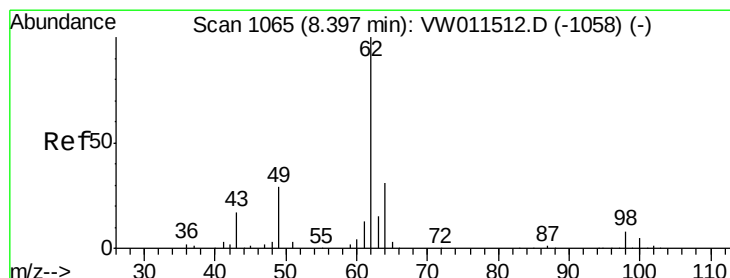
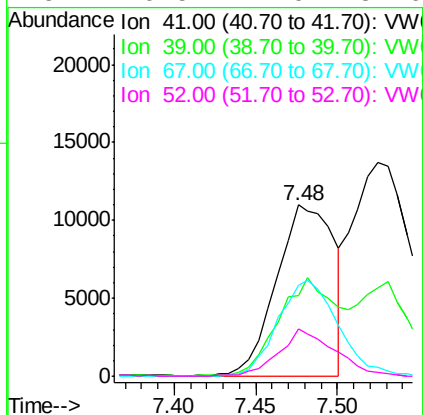
#41
Methacrylonitrile
Concen: 19.101 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tot Ion	41	Resp	27045
Ion Ratio	Lower	Upper	
41	100		
39	59.9	43.0	64.4
67	58.6	47.5	71.3
52	26.5	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

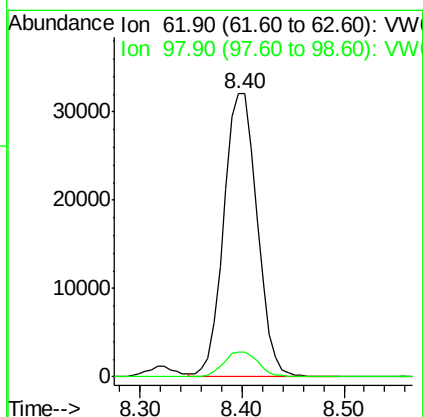
Manual Integrations
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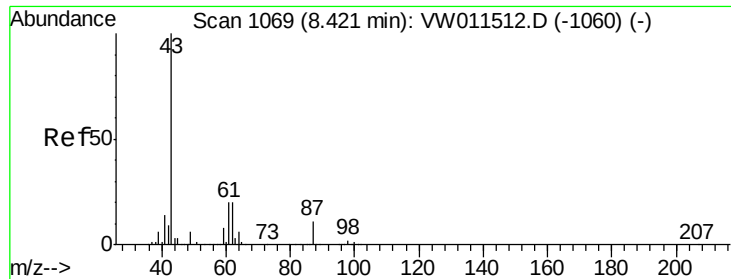
MMDadoda
8/20/2019 9:56:26 AM



#42
1,2-Dichloroethane
Concen: 20.218 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	62	Resp	72999
Ion Ratio	Lower	Upper	
62	100		
98	9.0	0.0	16.8





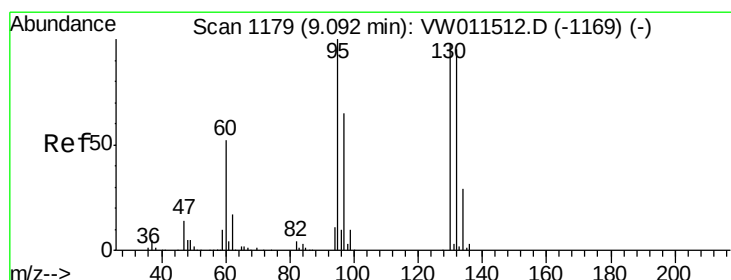
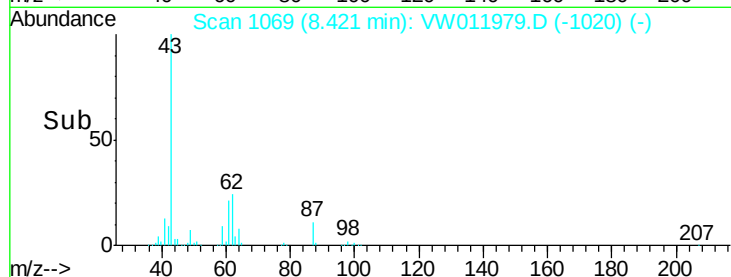
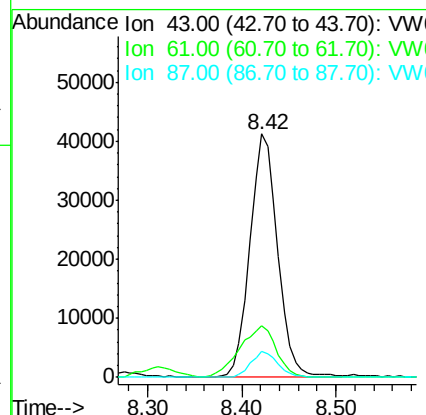
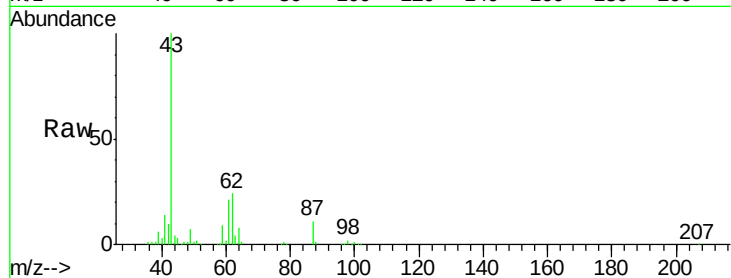
#43
Isopropyl Acetate
Concen: 19.494 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.5	32.3
87	10.4	8.4	12.6

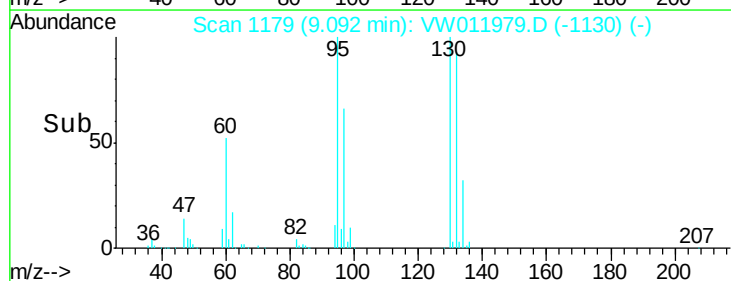
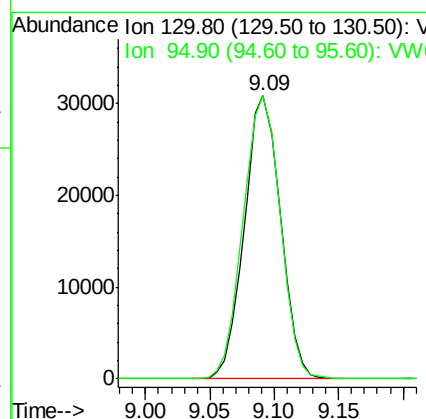
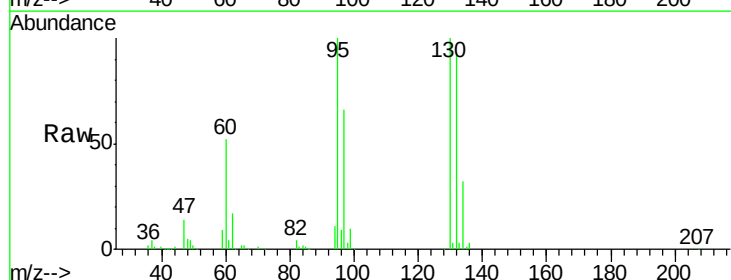
Manual Integrations
APPROVED

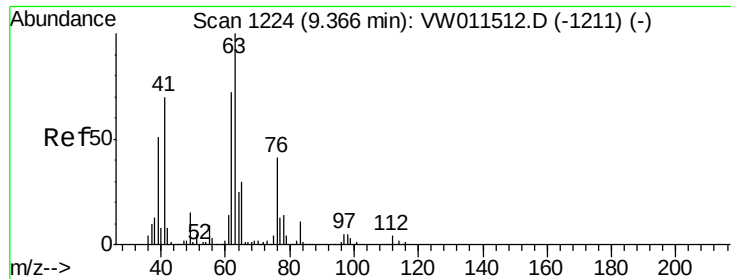
MMDadoda
8/20/2019 9:56:26 AM



#44
Trichloroethene
Concen: 21.652 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	204.8





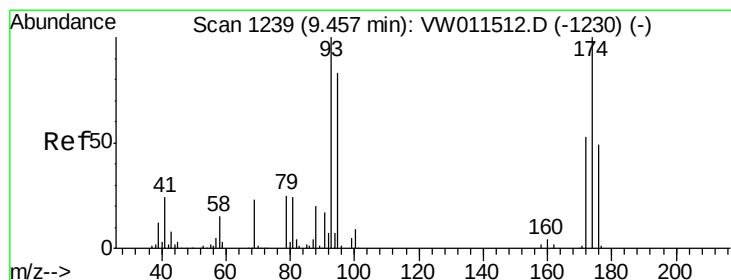
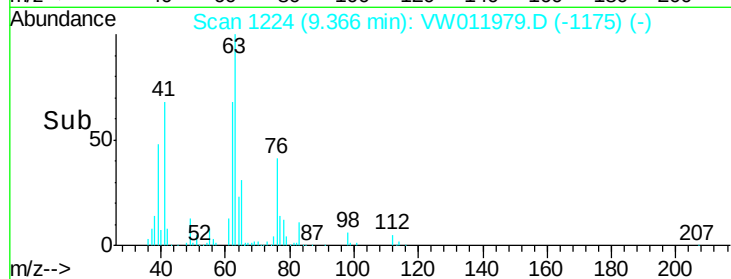
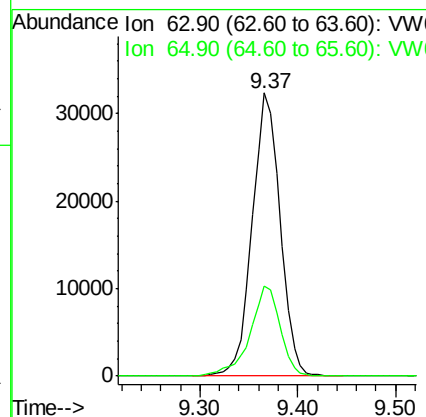
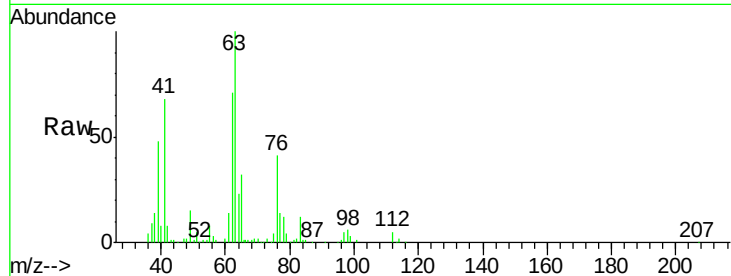
#45
 1,2-Dichloropropane
 Concen: 20.800 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion: 63 Resp: 64182
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.2 36.4

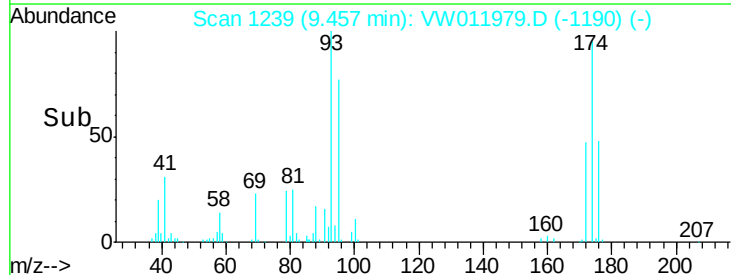
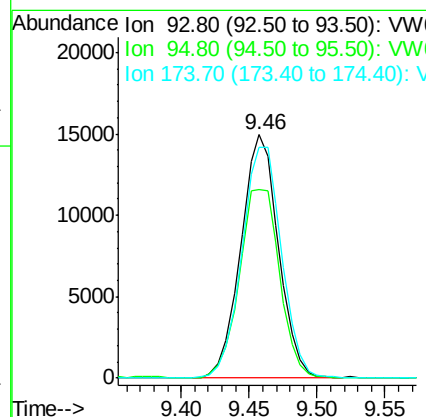
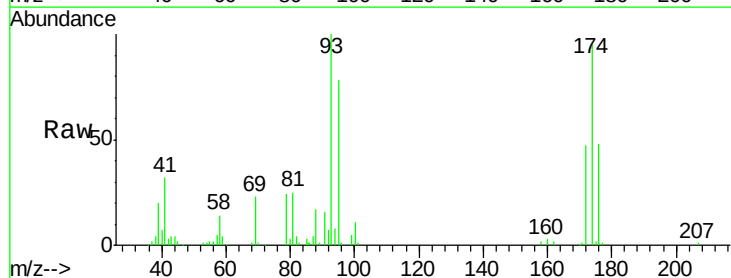
Manual Integrations
 APPROVED

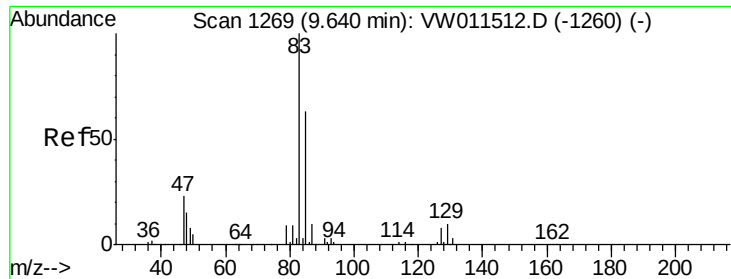
MMDadoda
 8/20/2019 9:56:26 AM



#46
 Dibromomethane
 Concen: 20.516 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion: 93 Resp: 28893
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.2 99.2
 174 100.3 78.2 117.4





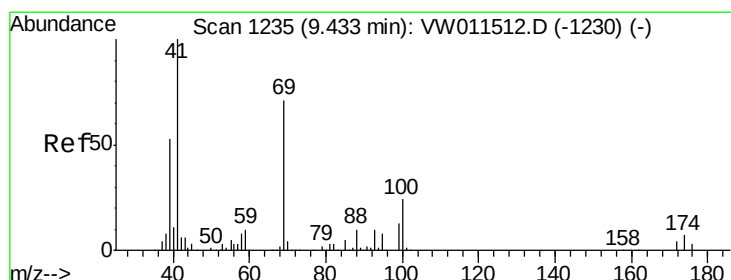
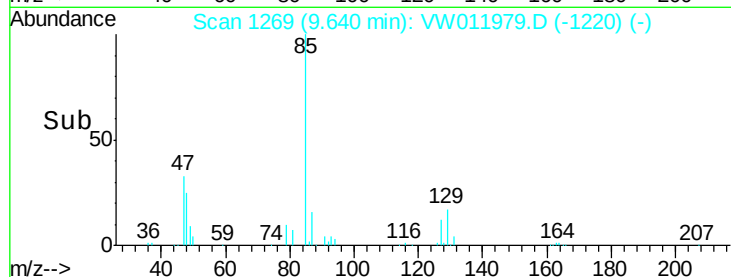
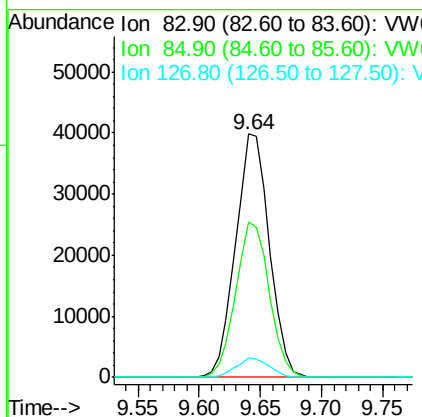
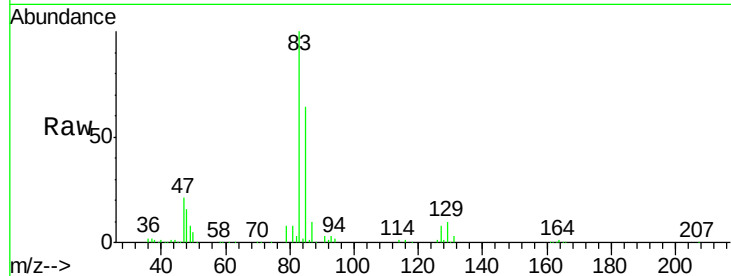
#47
 Bromodichloromethane
 Concen: 20.648 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	83	Resp	76278
Ion Ratio	100	Lower	Upper
85	63.6	50.5	75.7
127	7.9	6.4	9.6

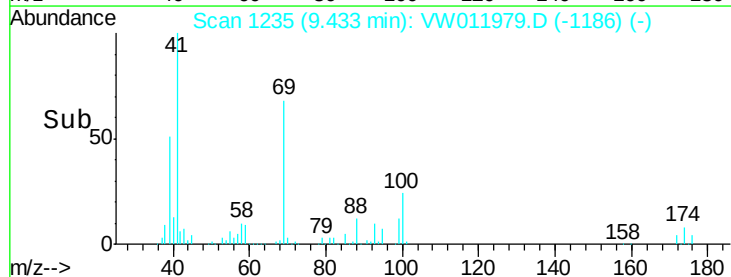
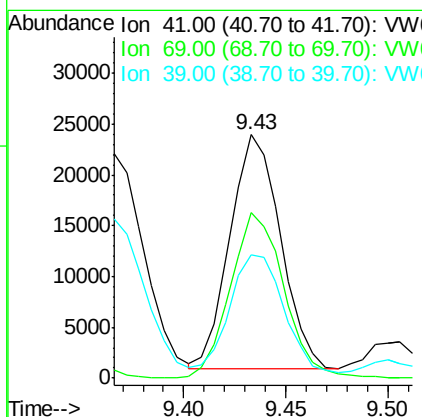
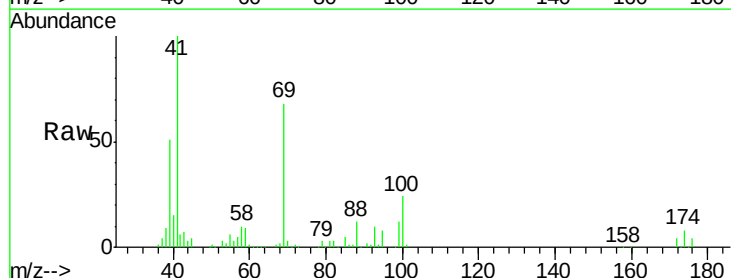
Manual Integrations
 APPROVED

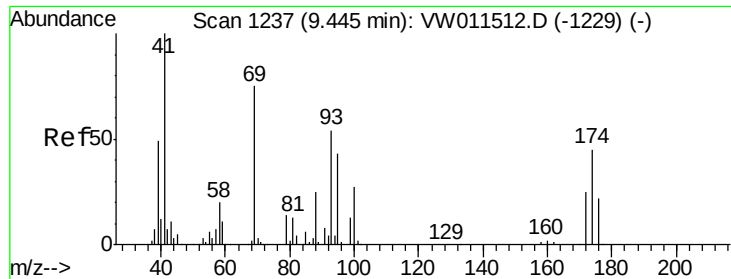
MMDadoda
 8/20/2019 9:56:26 AM



#48
 Methyl methacrylate
 Concen: 19.031 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	41	Resp	39824
Ion Ratio	100	Lower	Upper
69	75.1	57.1	85.7
39	53.2	45.4	68.2





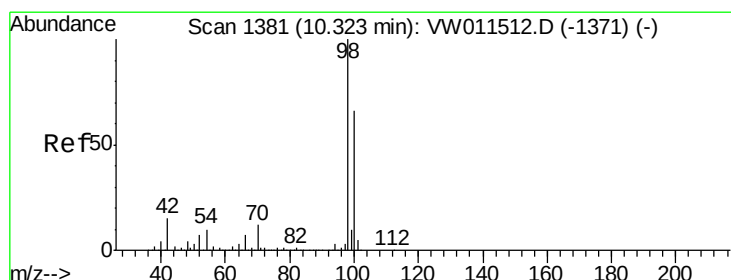
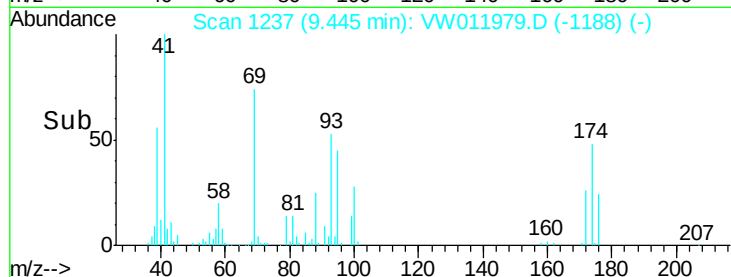
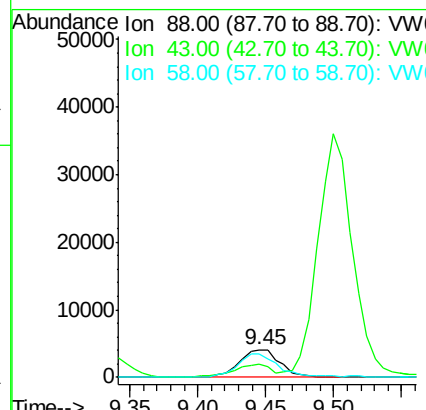
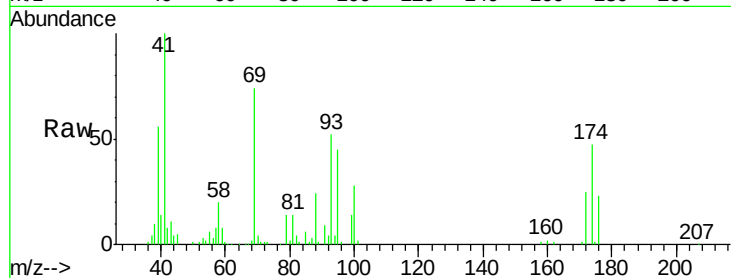
#49
1,4-Dioxane
Concen: 423.402 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion: 88 Resp: 8634
Ion Ratio Lower Upper
88 100
43 38.2 34.0 51.0
58 82.2 69.7 104.5

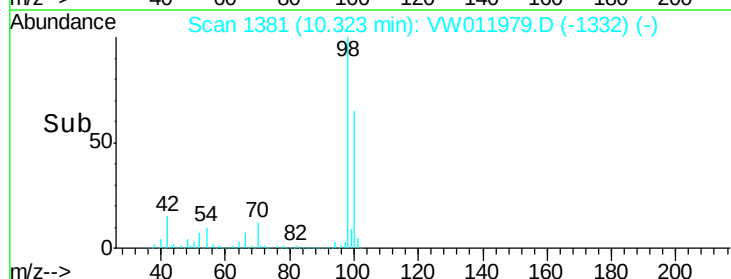
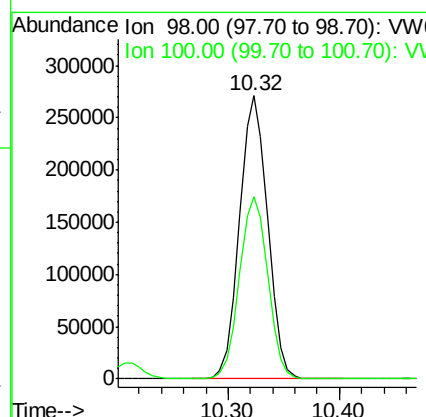
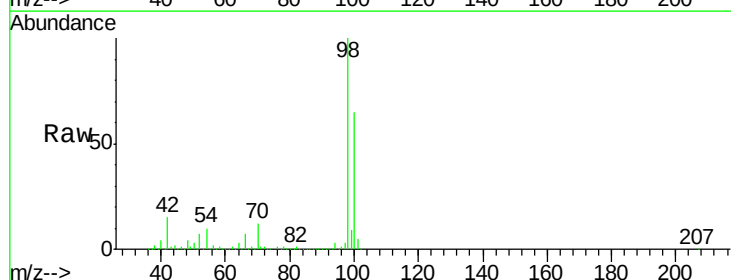
Manual Integrations
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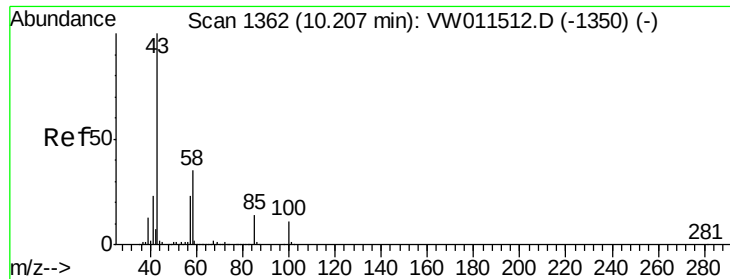
MMDadoda
8/20/2019 9:56:26 AM



#50
Toluene-d8
Concen: 51.960 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion: 98 Resp: 472560
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1





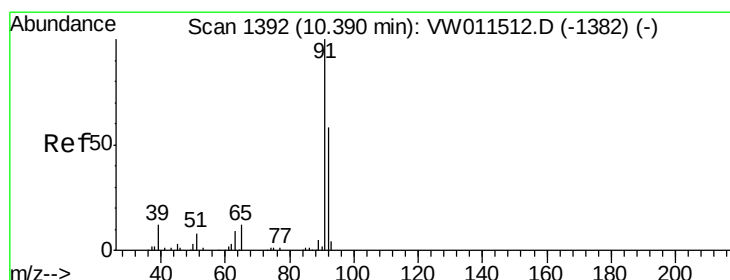
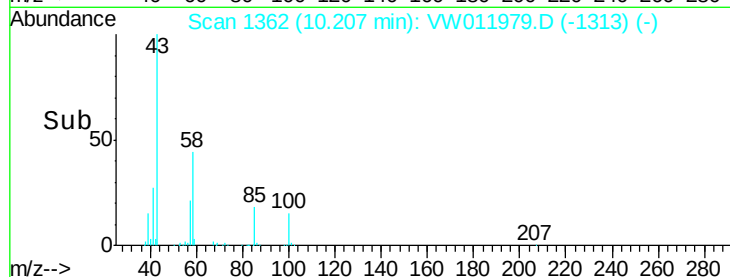
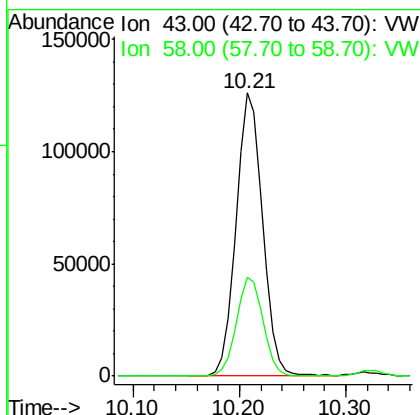
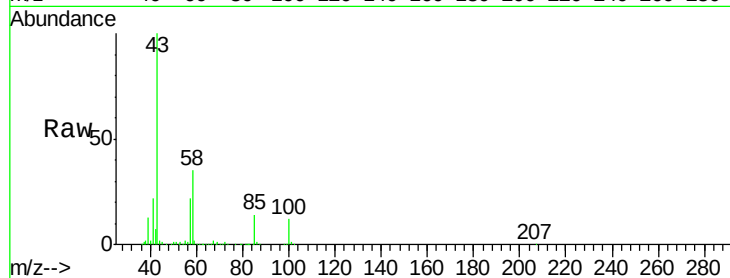
#51
 4-Methyl-2-Pentanone
 Concen: 97.355 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.2	42.2

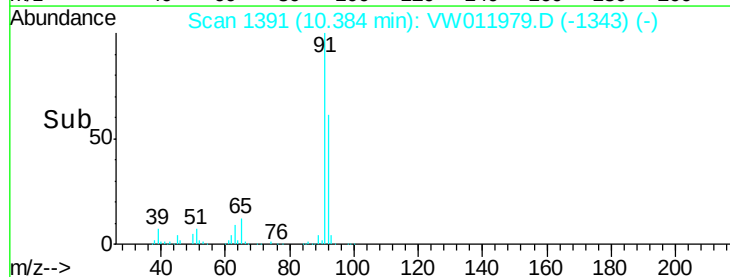
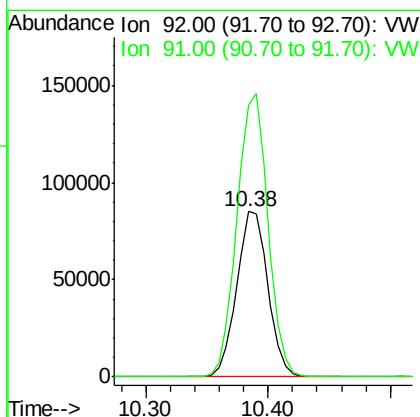
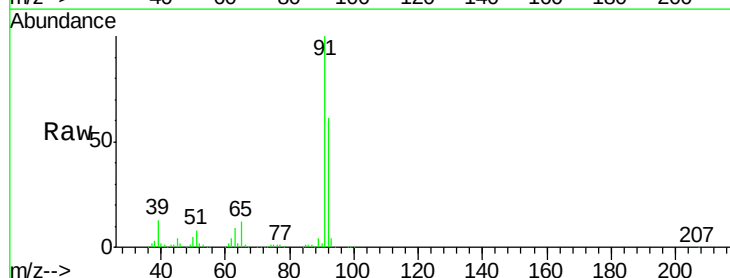
Manual Integrations
 APPROVED

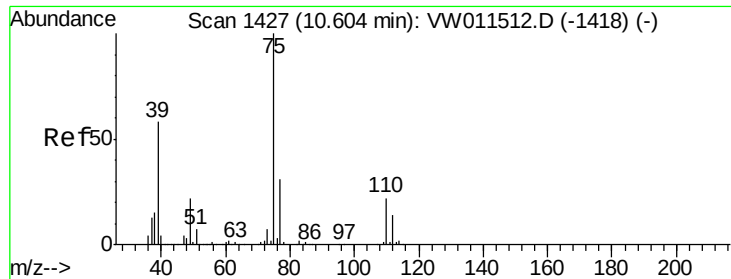
MMDadoda
 8/20/2019 9:56:26 AM



#52
 Toluene
 Concen: 21.502 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.9	136.7	205.1





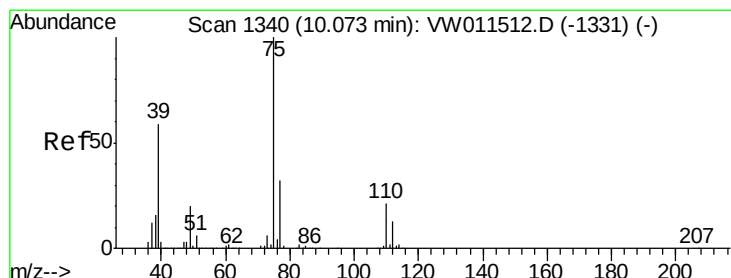
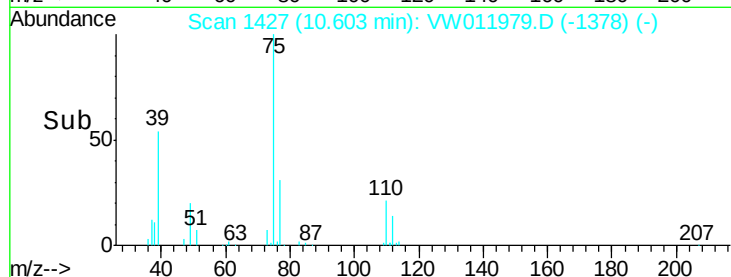
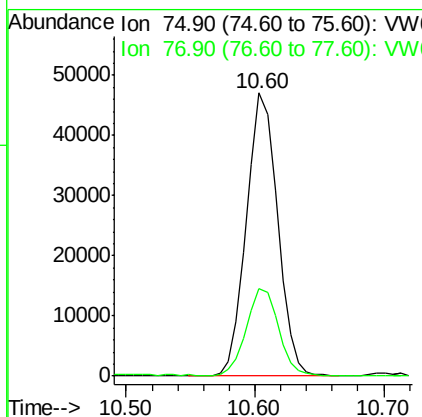
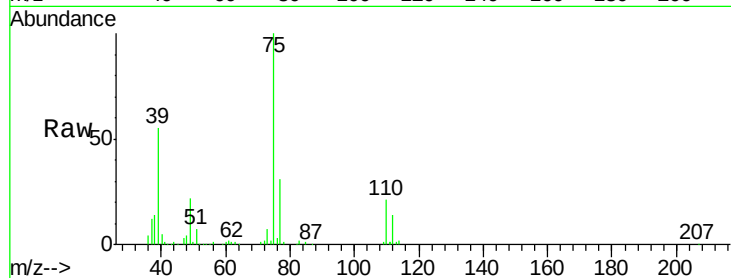
#53
t-1,3-Dichloropropene
Concen: 20.458 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4

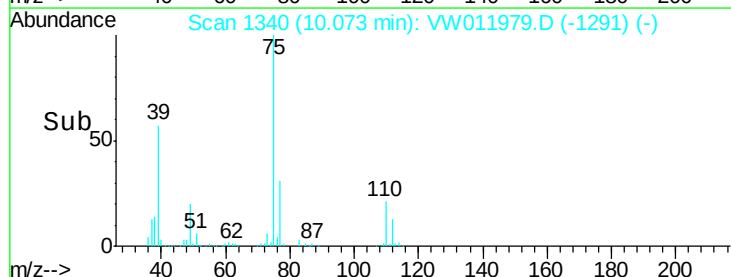
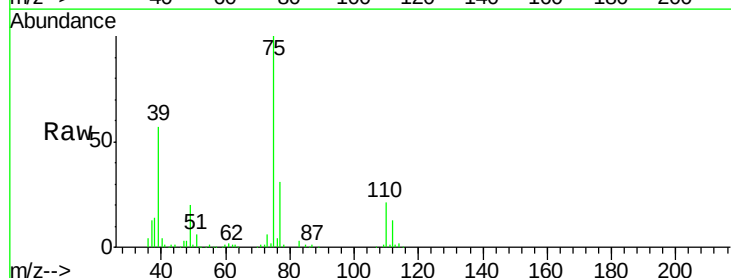
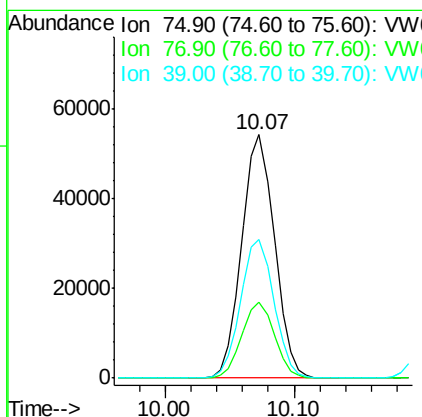
Manual Integrations
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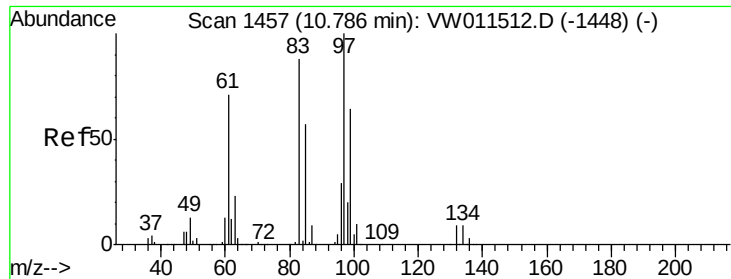
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.902 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.6	38.4
39	57.0	47.0	70.4





#55

1,1,2-Trichloroethane

Concen: 20.129 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tot Ion: 97 Resp: 40222

Ion Ratio Lower Upper

97 100

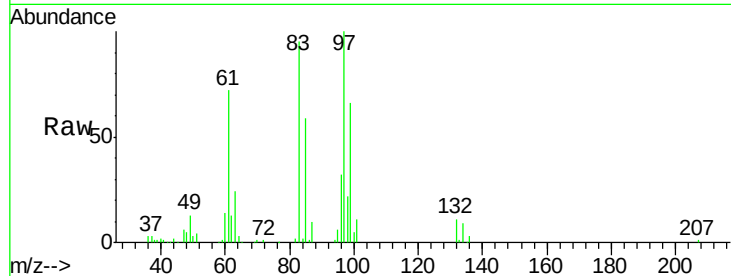
83 94.6 70.5 105.7

85 58.8 45.8 68.6

99 66.4 51.0 76.4

Manual Integrations
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MMDadoda
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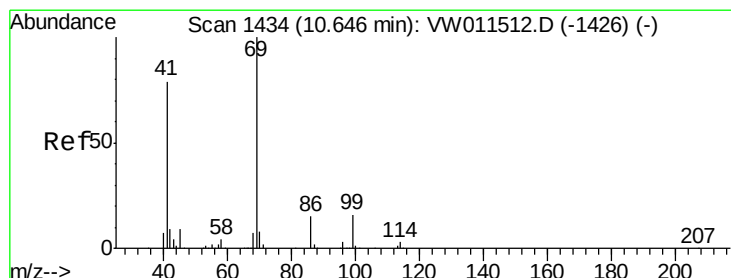
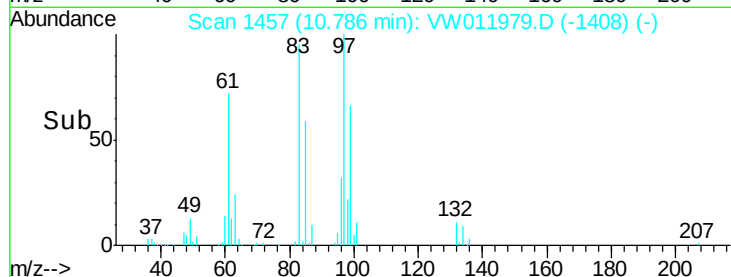
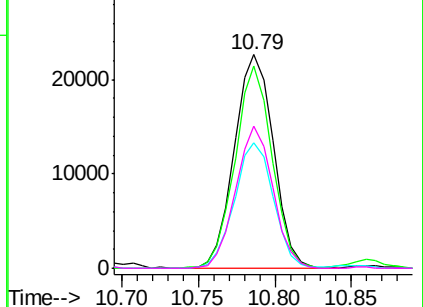


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.124 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion: 69 Resp: 58843

Ion Ratio Lower Upper

69 100

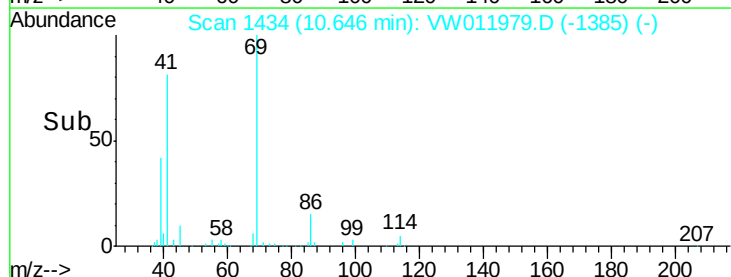
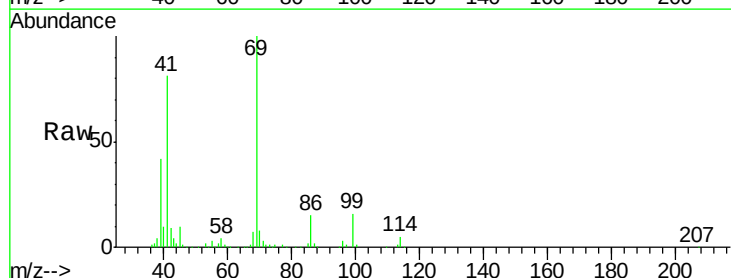
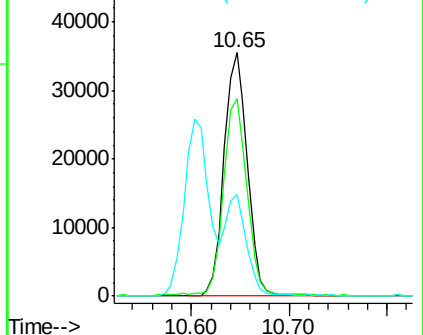
41 81.8 66.6 99.8

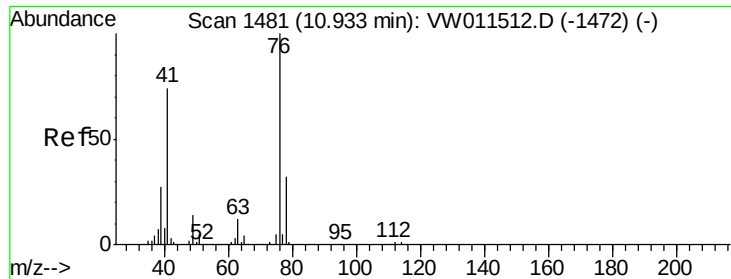
39 37.0 30.3 45.5

Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





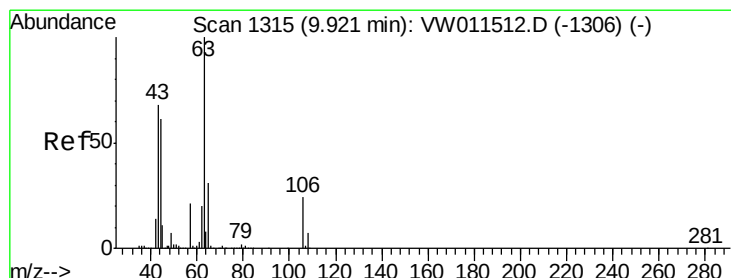
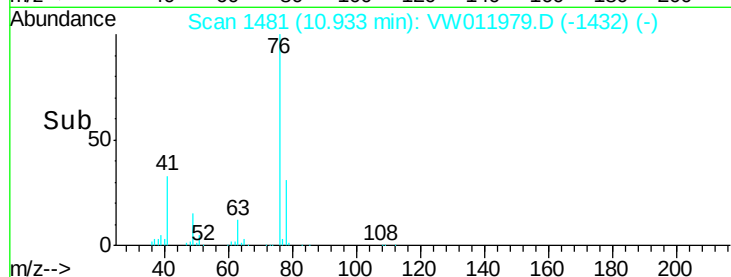
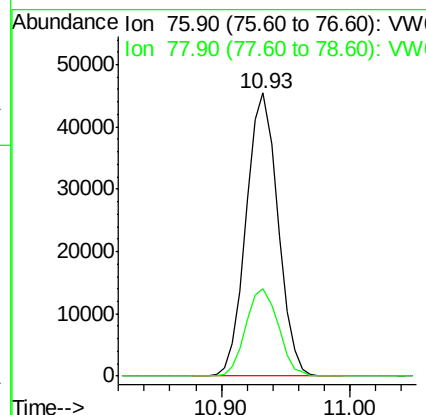
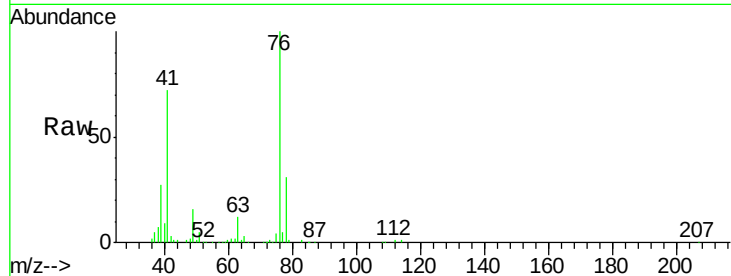
#57
 1,3-Dichloropropane
 Concen: 20.409 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion: 76 Resp: 77156
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

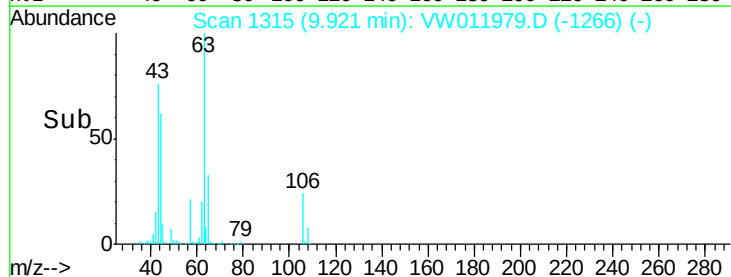
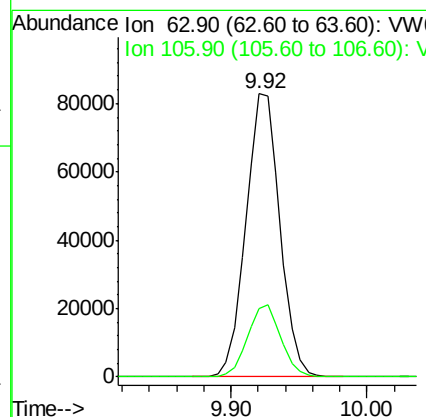
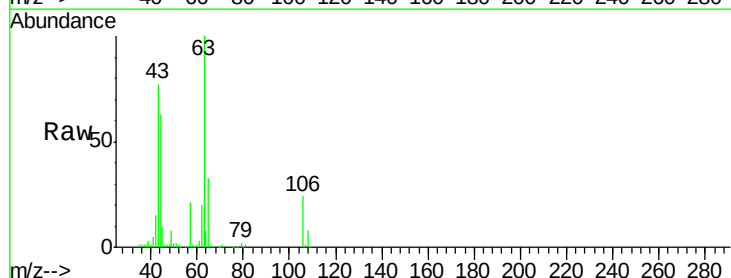
Manual Integrations
 APPROVED

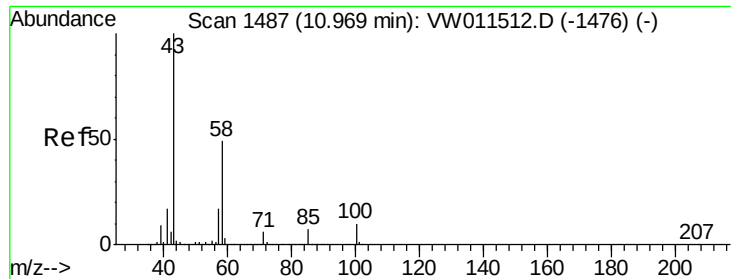
MMDadoda
 8/20/2019 9:56:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.243 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion: 63 Resp: 145035
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5





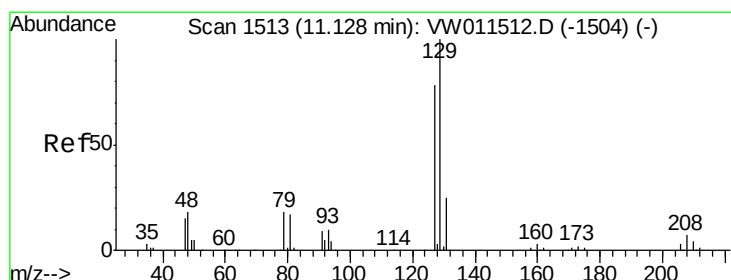
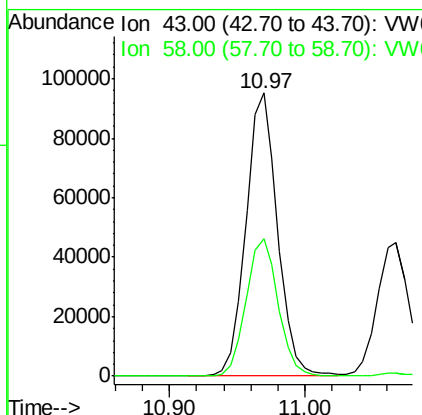
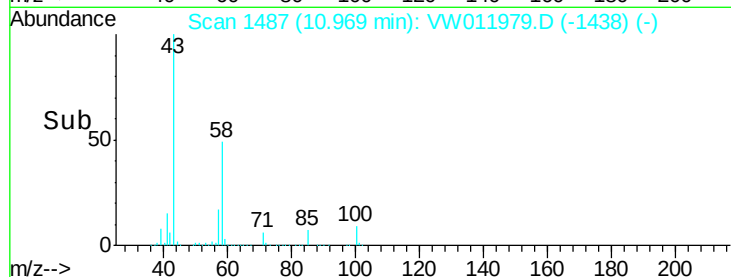
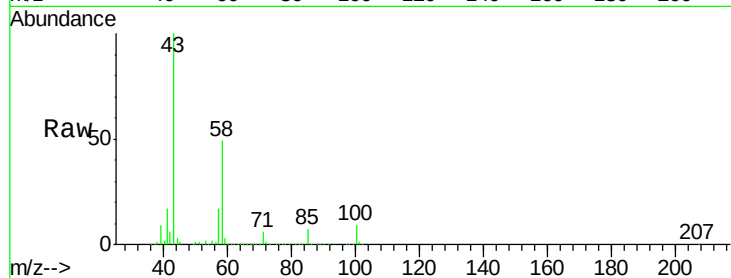
#59
2-Hexanone
Concen: 96.441 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion: 43 Resp: 154291
Ion Ratio Lower Upper
43 100
58 49.6 24.3 72.9

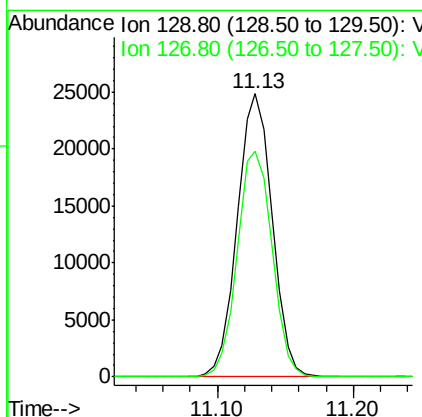
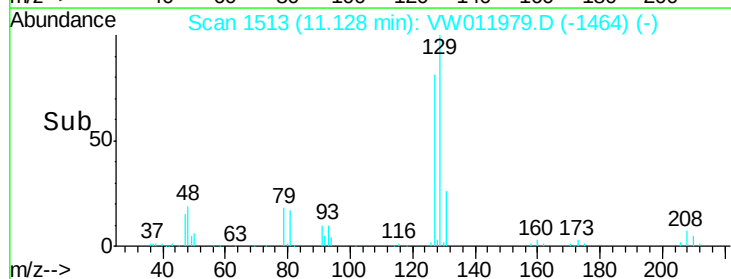
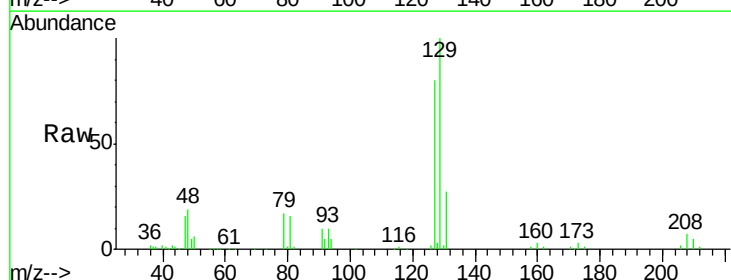
Manual Integrations
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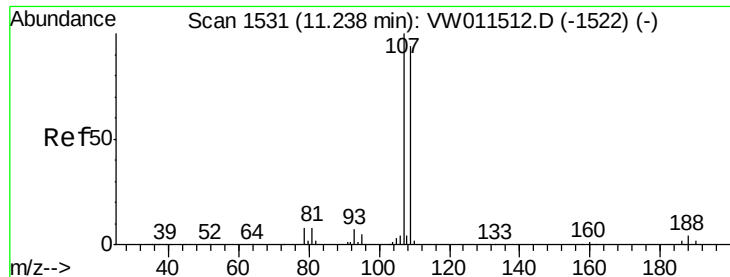
MMDadoda
8/20/2019 9:56:26 AM



#60
Dibromochloromethane
Concen: 20.055 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion: 129 Resp: 44483
Ion Ratio Lower Upper
129 100
127 79.8 38.9 116.7





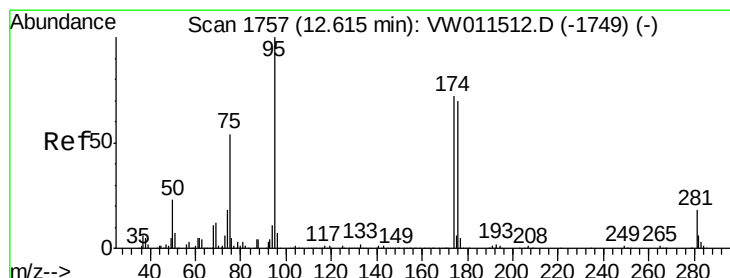
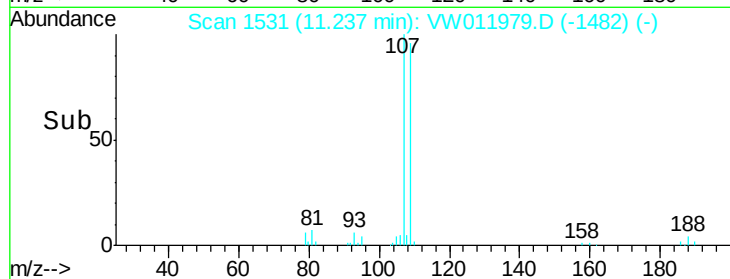
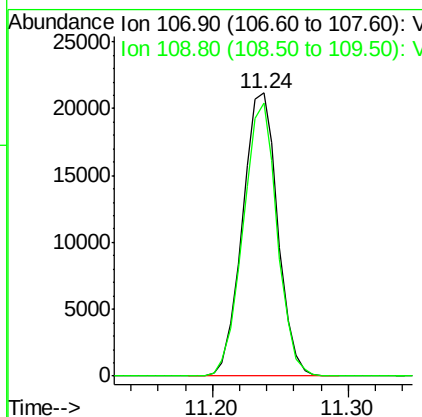
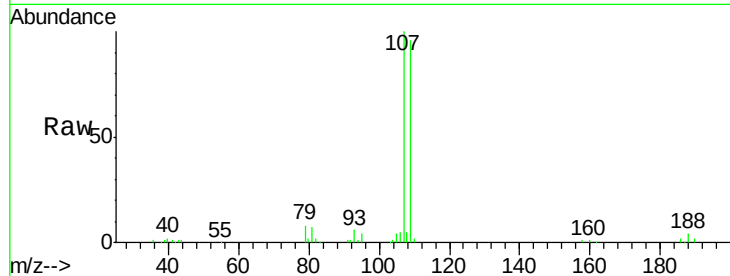
#61
 1,2-Dibromoethane
 Concen: 20.261 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.0	112.6

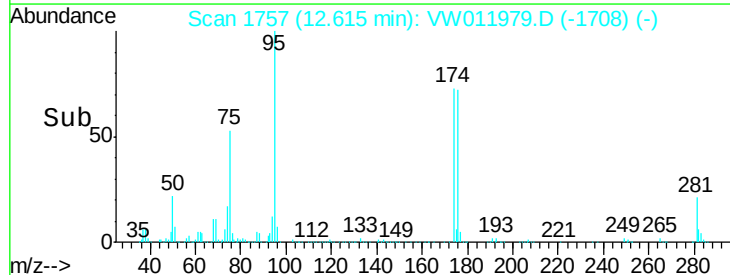
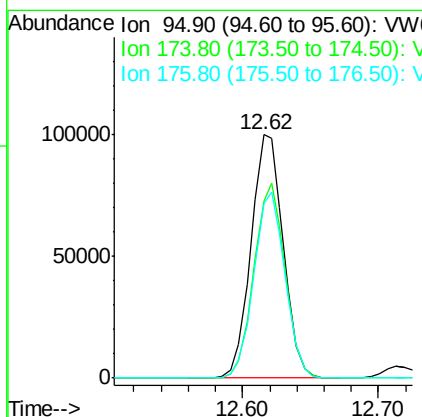
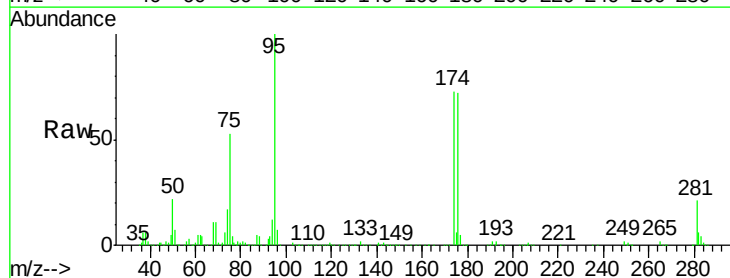
Manual Integrations
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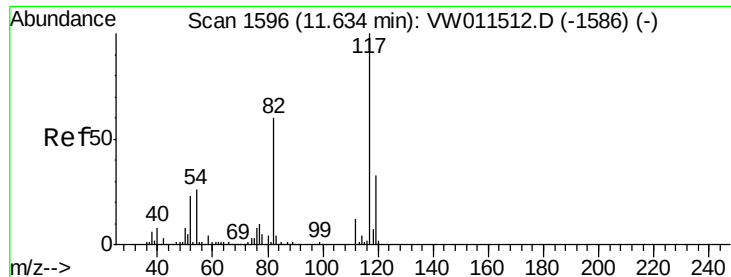
MMDadoda
 8/20/2019 9:56:26 AM



#62
 4-Bromofluorobenzene
 Concen: 51.083 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	150.2
176	74.5	0.0	144.4





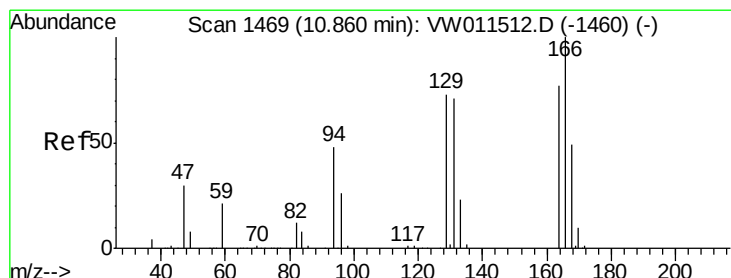
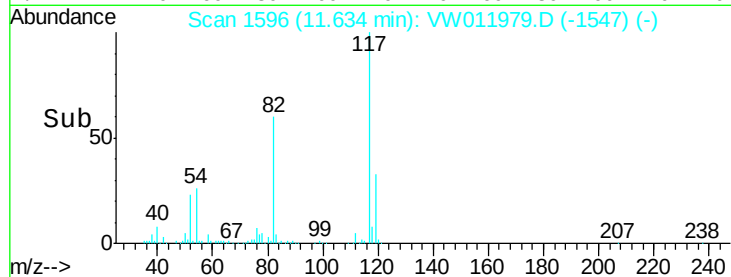
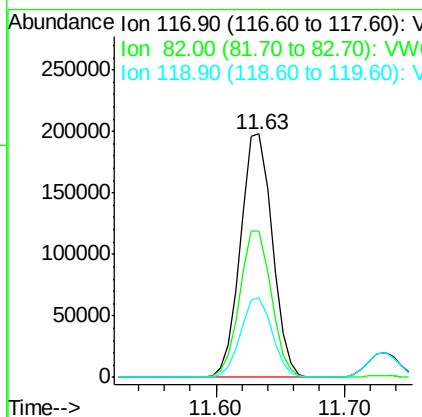
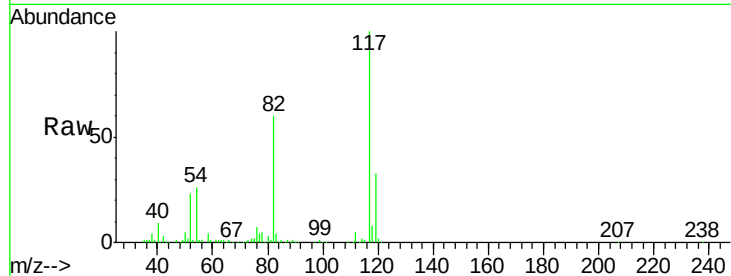
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	339206		
82	60.1	47.9	71.9	
119	32.8	26.2	39.2	

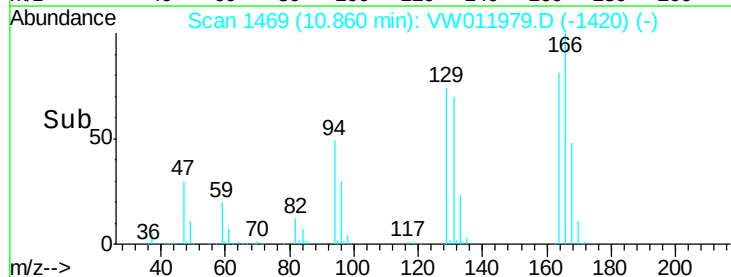
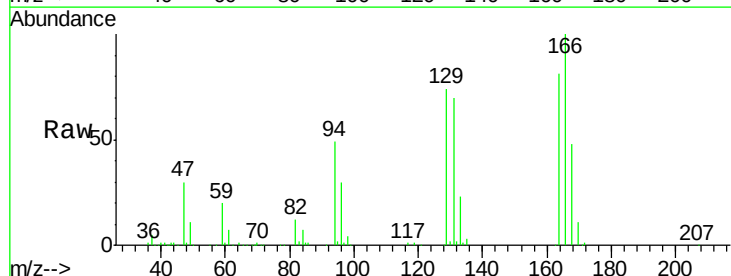
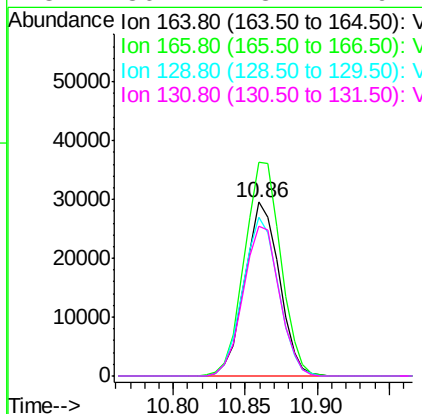
Manual Integrations
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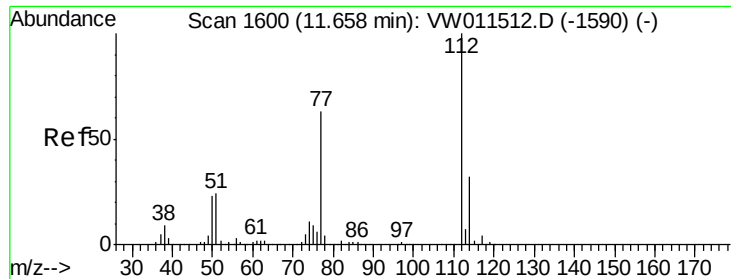
MMDadoda
8/20/2019 9:56:26 AM



#64
Tetrachloroethene
Concen: 22.200 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49031		
166	122.8	103.5	155.3	
129	91.1	75.2	112.8	
131	86.4	73.4	110.2	





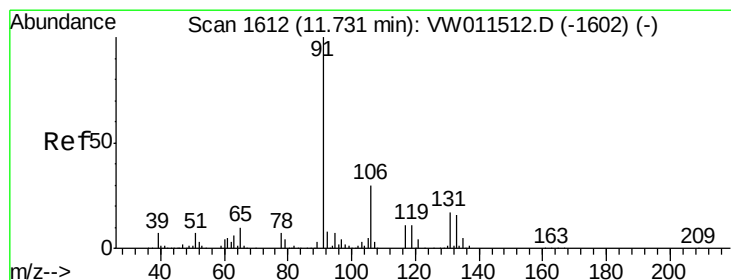
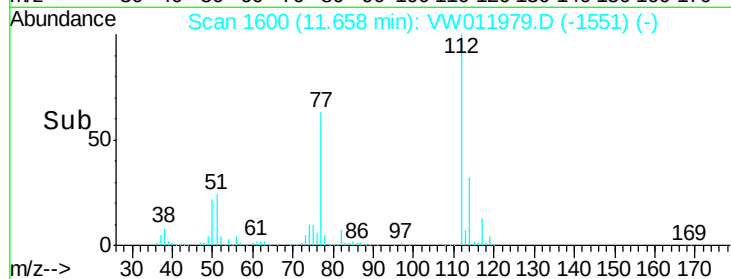
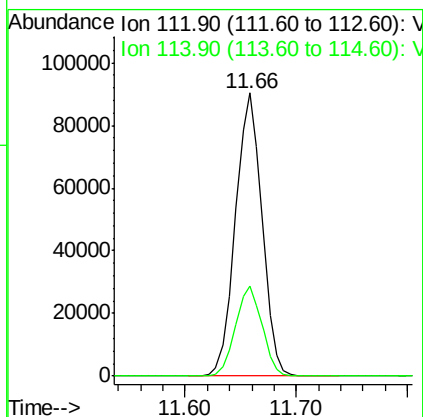
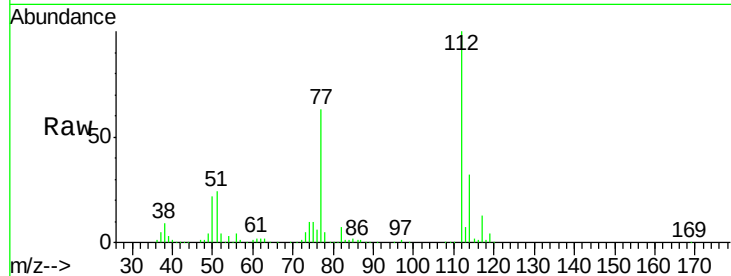
#65
Chlorobenzene
Concen: 21.798 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampled :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.6	38.4

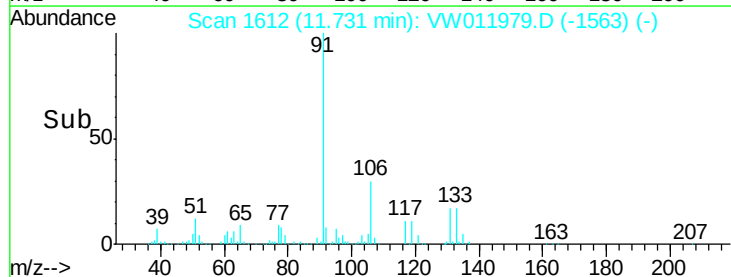
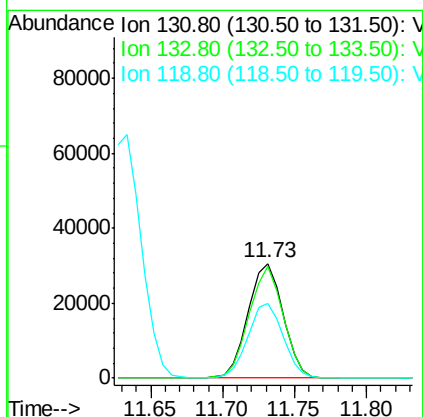
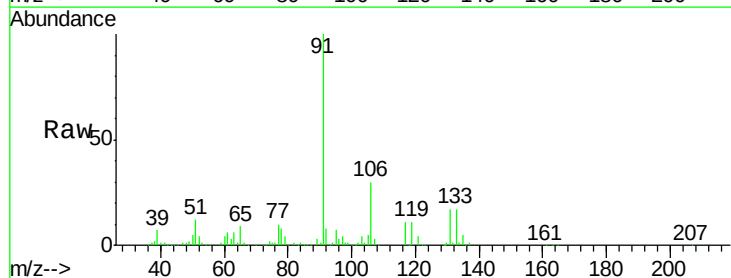
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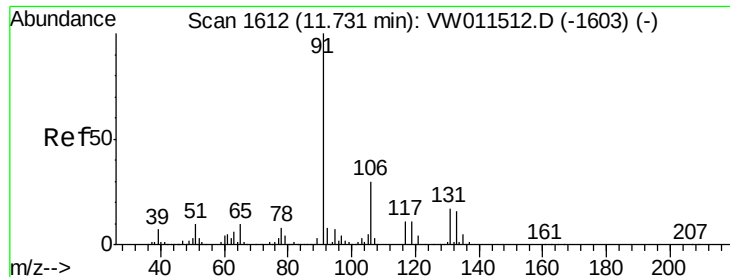
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.668 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.4	142.2
119	65.7	32.3	96.9





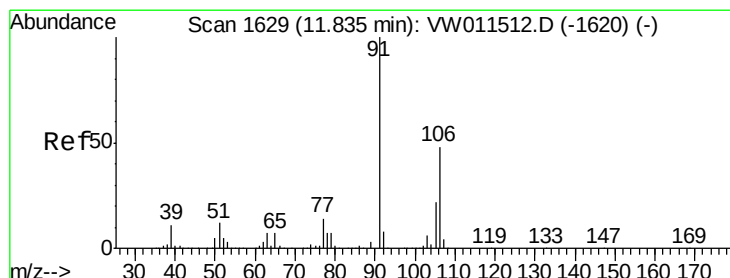
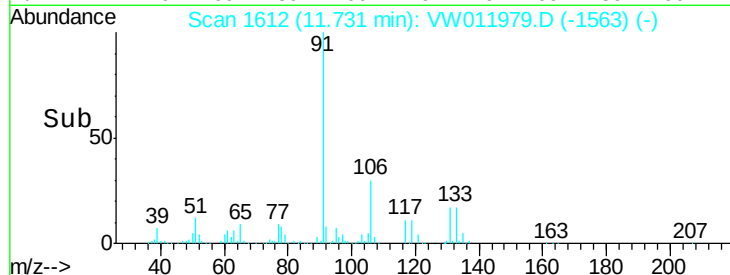
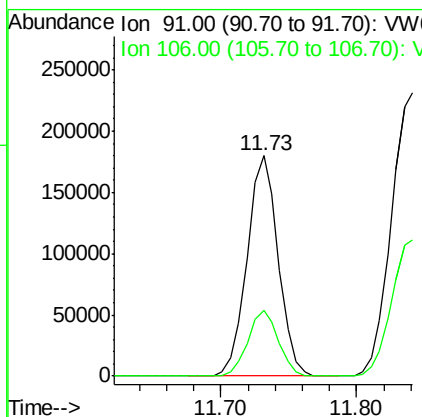
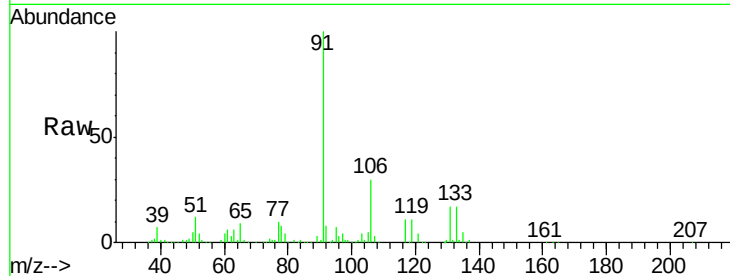
#67
Ethyl Benzene
Concen: 22.100 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion: 91 Resp: 287042
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

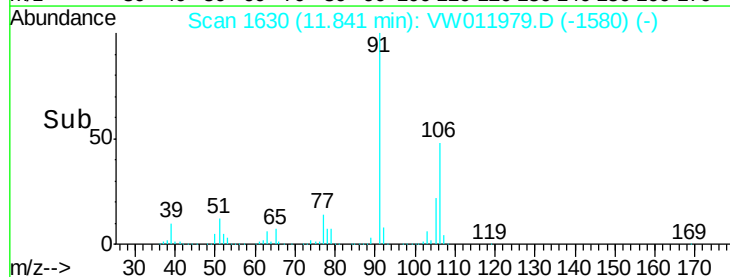
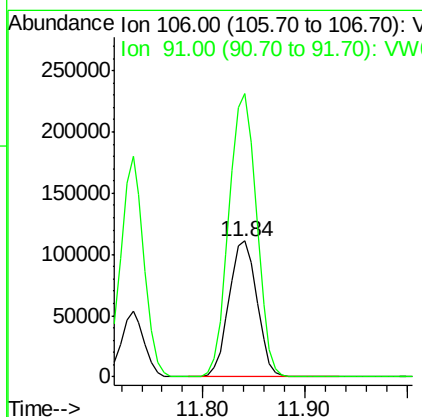
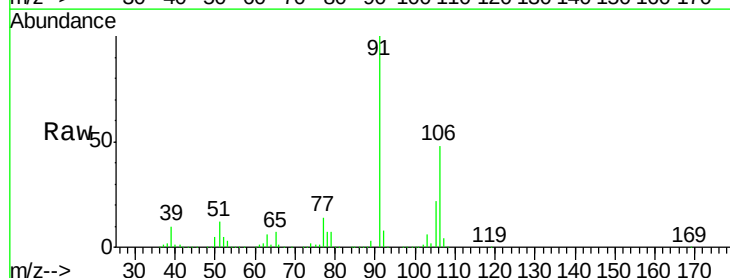
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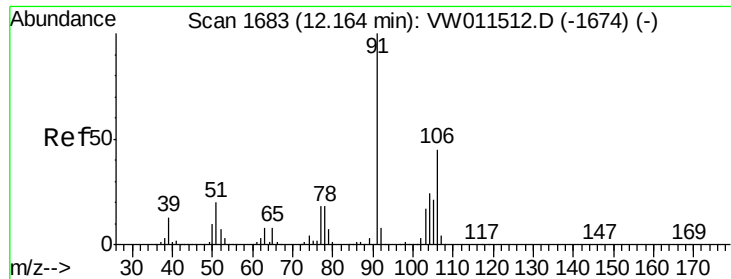
MMDadoda
8/20/2019 9:56:26 AM



#68
m/p-Xylenes
Concen: 44.506 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion: 106 Resp: 210221
Ion Ratio Lower Upper
106 100
91 206.8 168.2 252.2





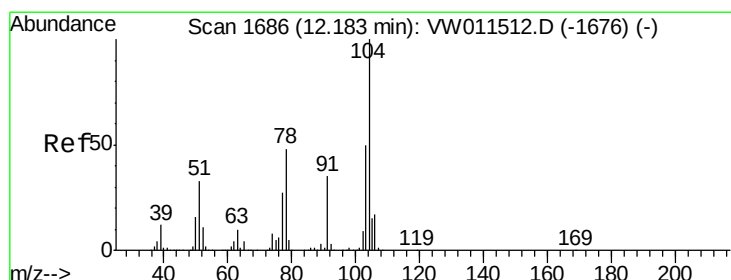
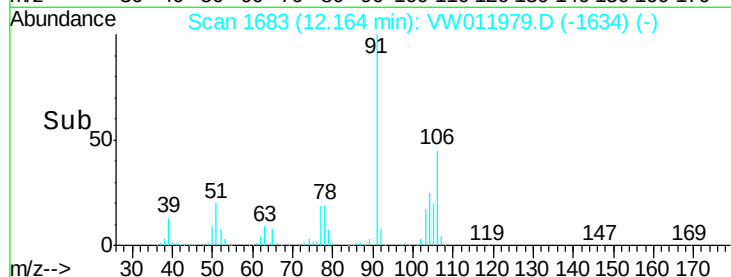
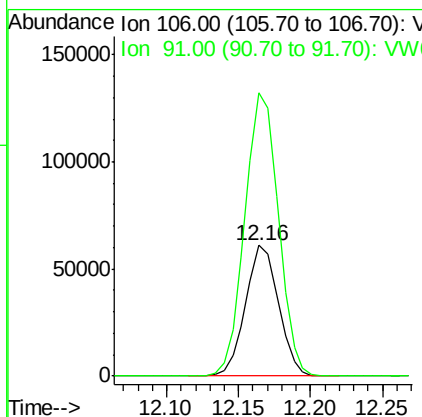
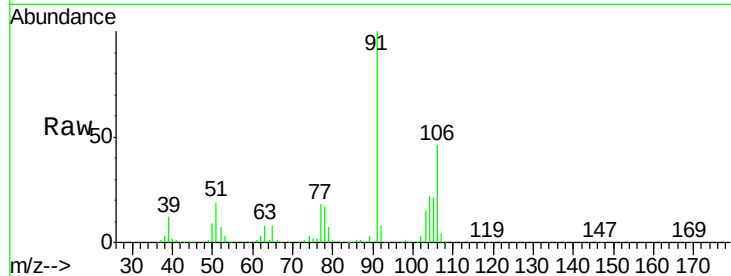
#69
o-Xylene
Concen: 22.069 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.5	331.5

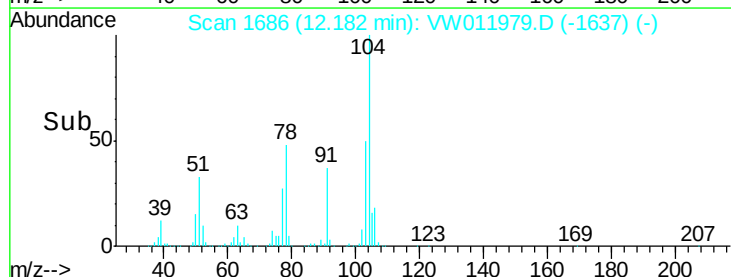
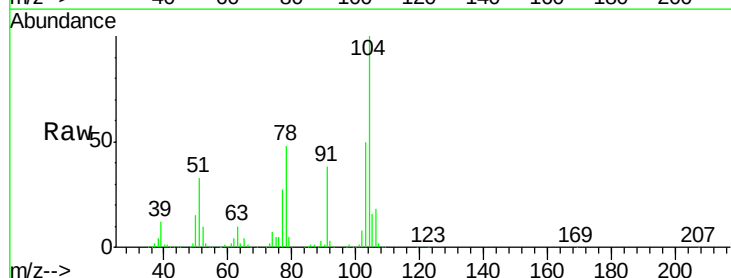
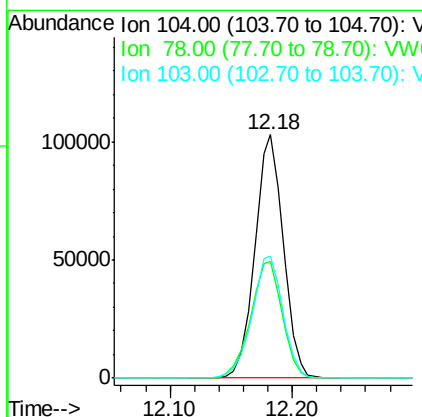
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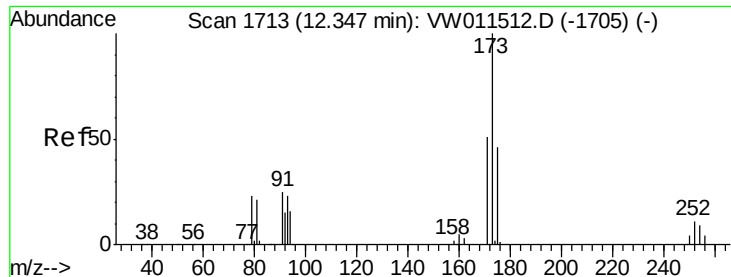
MMDadoda
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#70
Styrene
Concen: 21.998 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.4	65.0
103	54.5	43.9	65.9





#71

Bromoform

Concen: 21.177 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

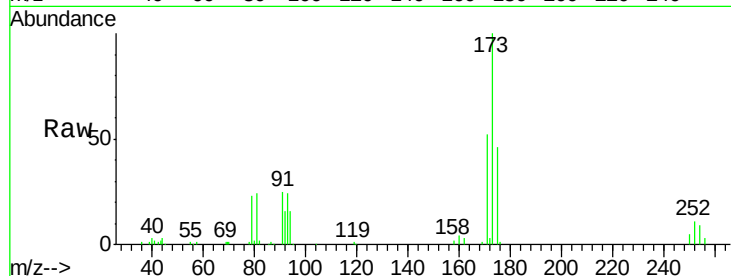
ClientSampleId :

VW0819SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.6	71.0
254	0.0	0.1	0.1#

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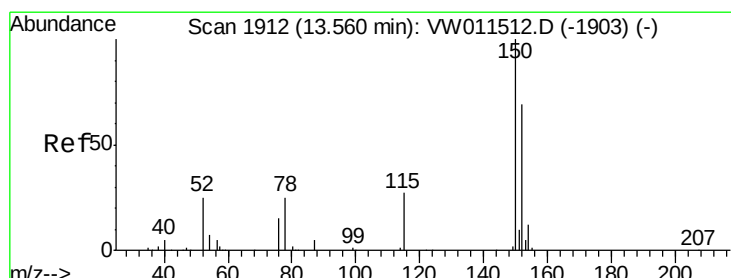
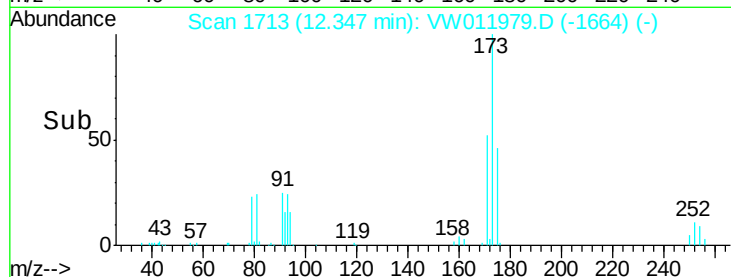
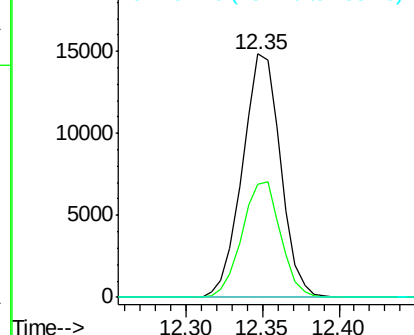


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

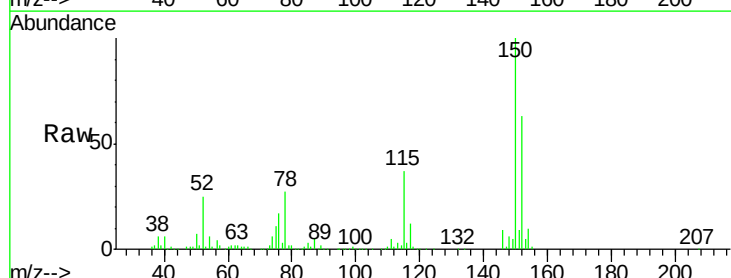
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.5	91.5
150	163.5	0.0	352.6

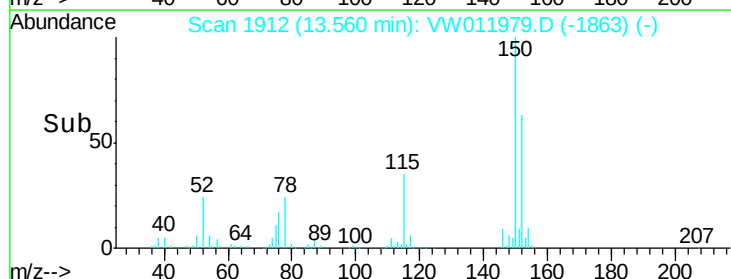
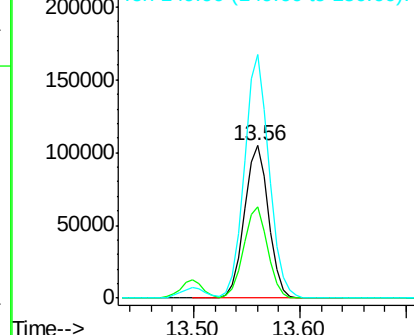


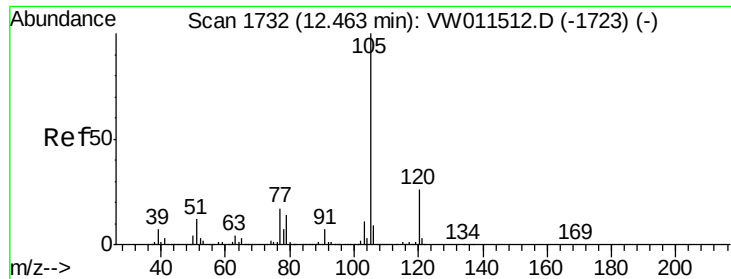
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





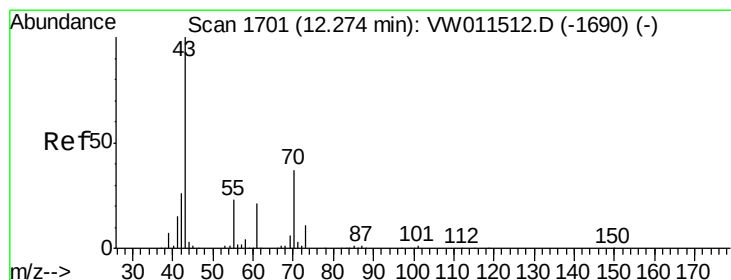
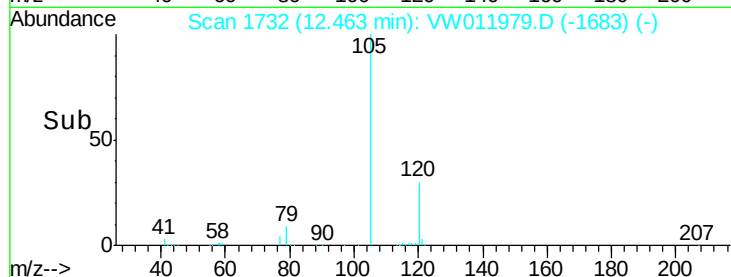
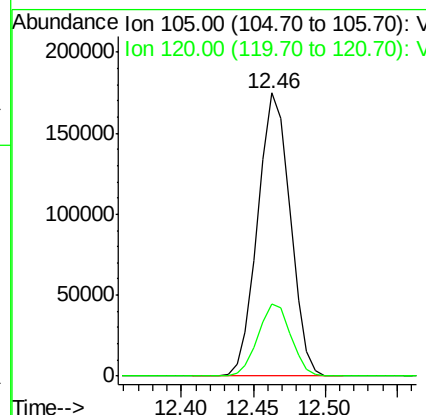
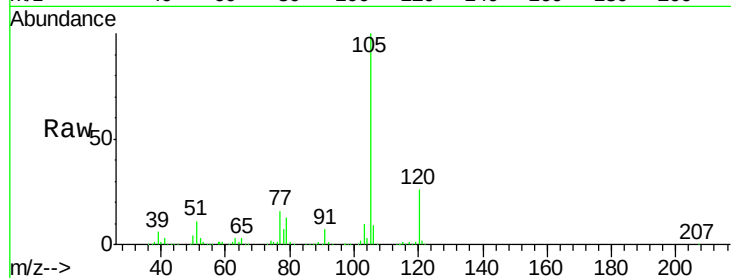
#73
Isopropylbenzene
Concen: 21.998 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7

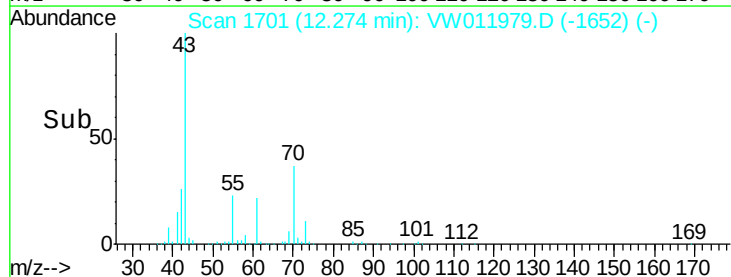
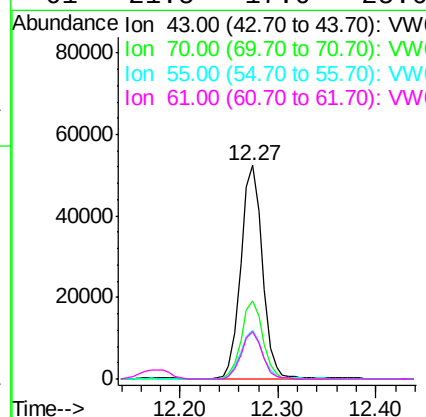
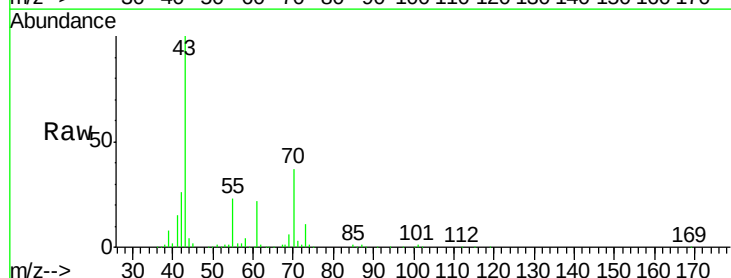
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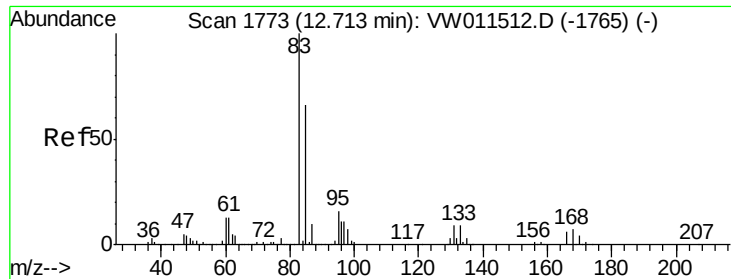
MMDadoda
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#74
N-ethyl acetate
Concen: 20.847 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.2	28.6	43.0
55	23.1	17.8	26.8
61	21.5	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.571 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

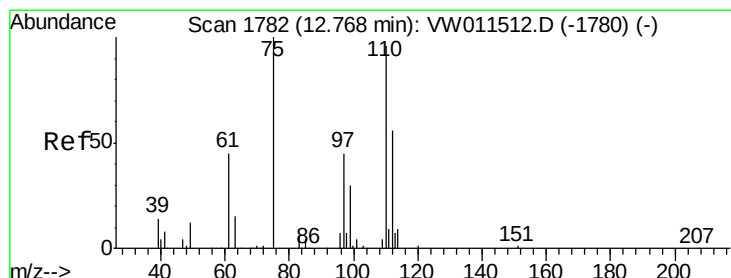
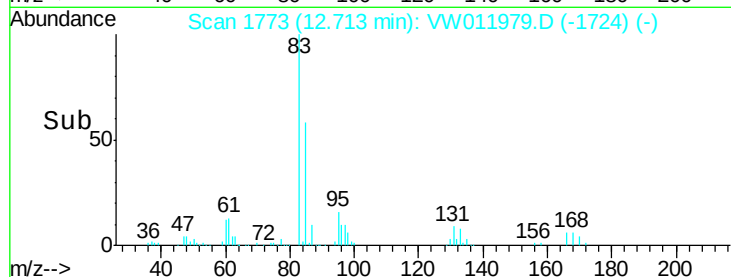
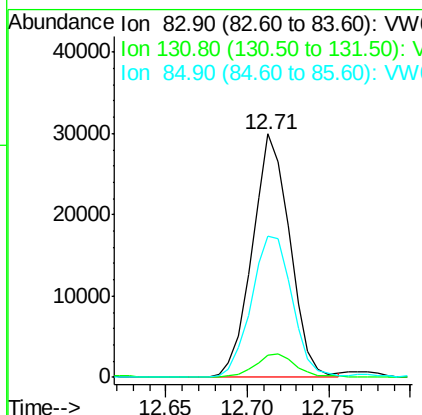
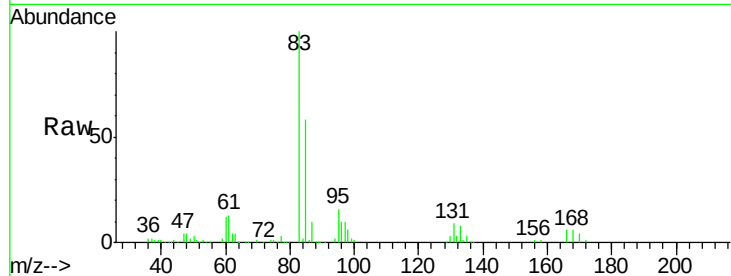
ClientSampleId :

VW0819SBS01

Tot Ion:	83	Resp:	48016
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.6
85	63.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.952 ug/l m

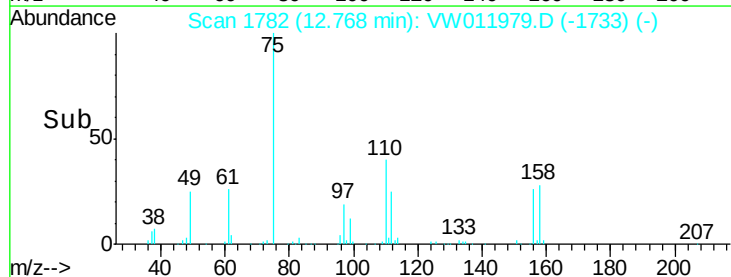
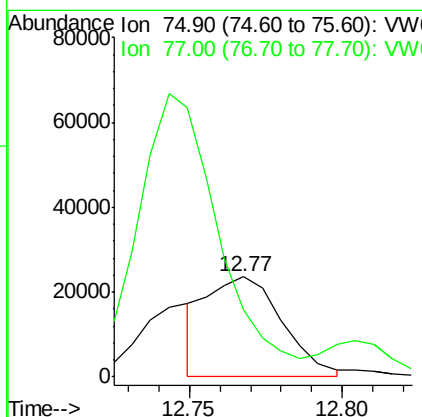
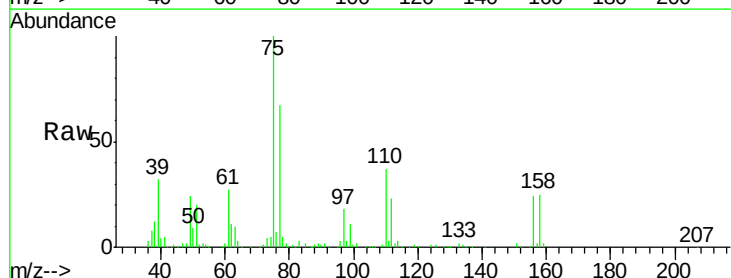
RT: 12.77 min Scan# 1782

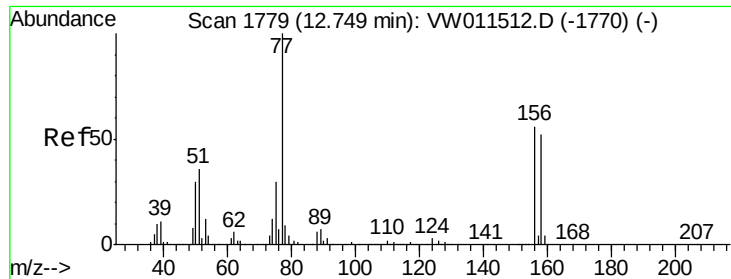
Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion:	75	Resp:	40396
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.257 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

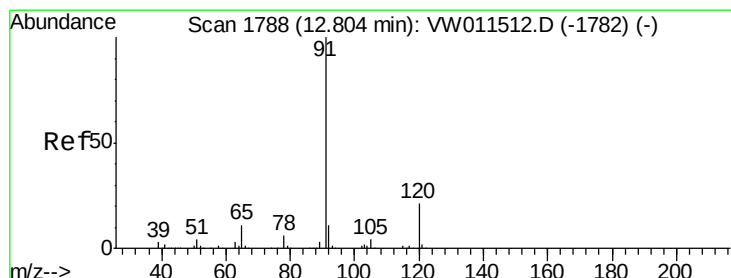
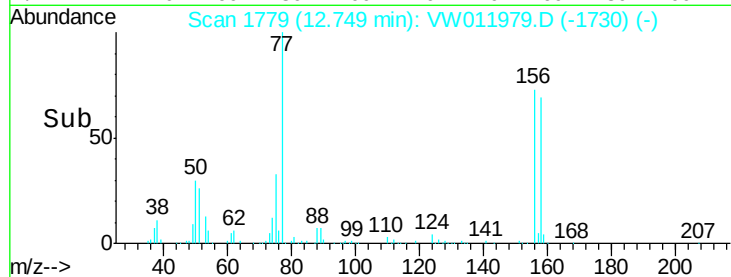
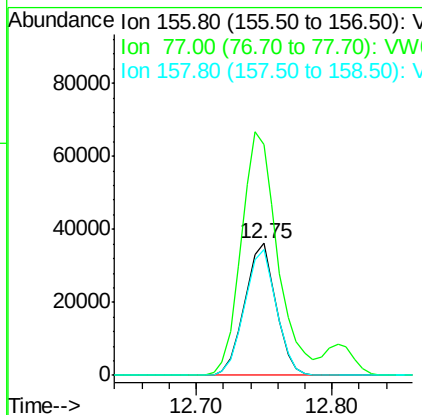
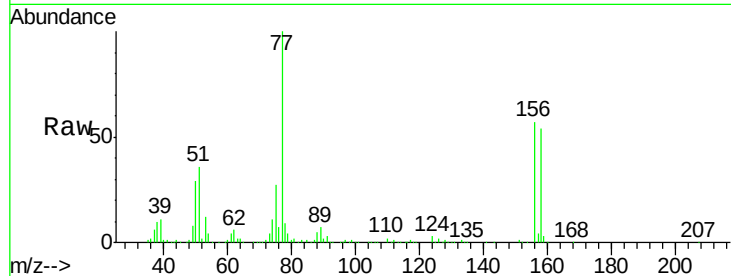
ClientSampleId :

VW0819SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.9	106.5	319.4
158	97.0	48.0	144.2

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#78

n-propylbenzene

Concen: 22.089 ug/l

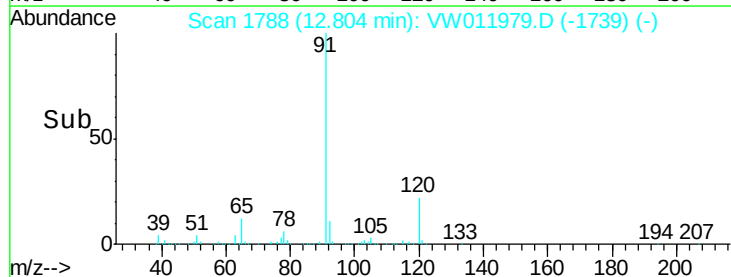
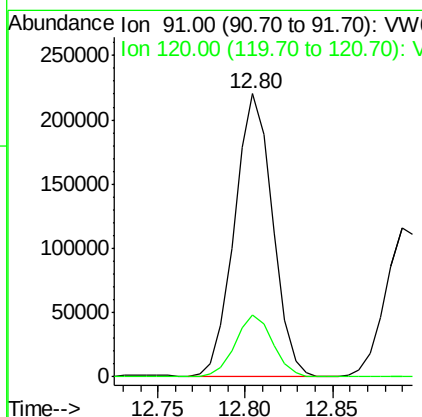
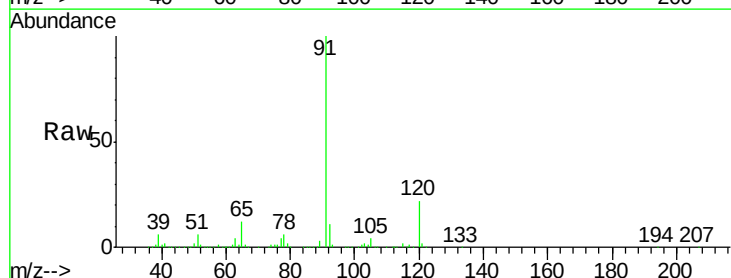
RT: 12.80 min Scan# 1788

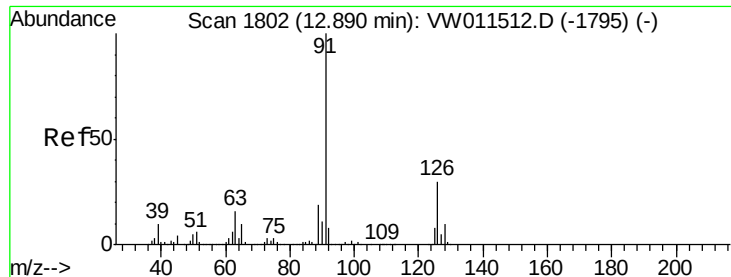
Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.7





#79

2-Chlorotoluene

Concen: 21.572 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011979.D

Acq: 19 Aug 2019 09:56

Instrument :

MSVOA_W

ClientSampled :

VW0819SBS01

Tot Ion: 91 Resp: 187685

Ion Ratio Lower Upper

91 100

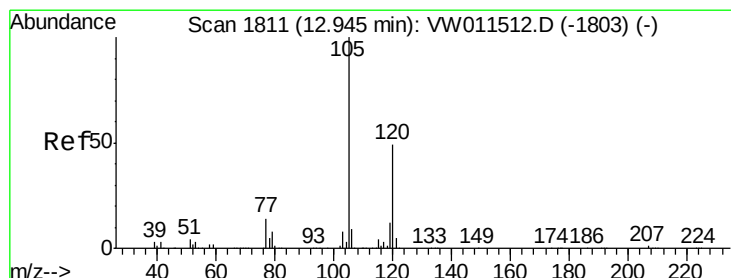
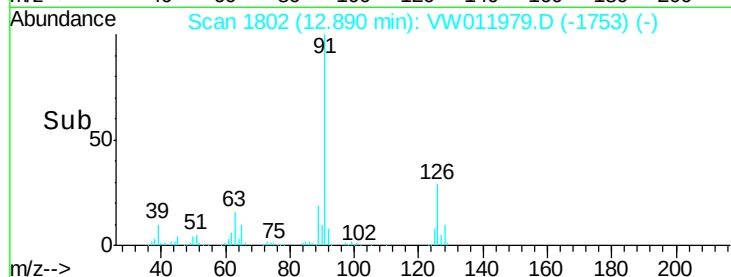
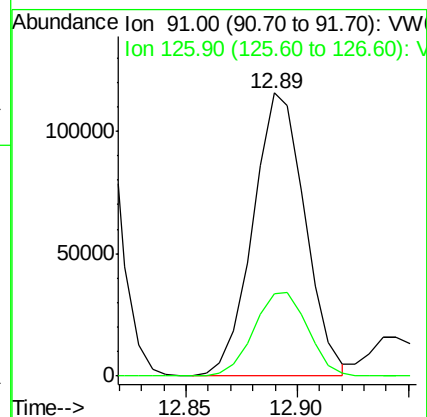
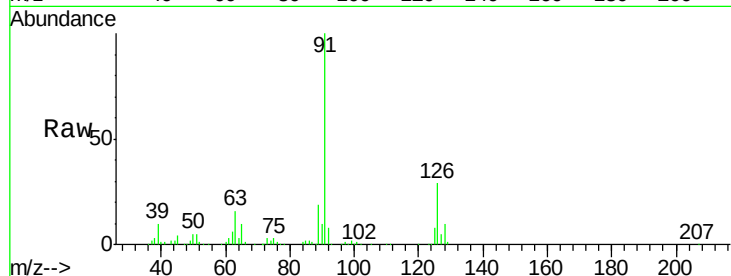
126 31.0 15.7 47.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.801 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011979.D

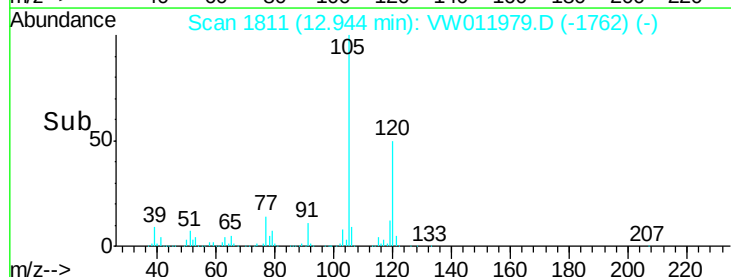
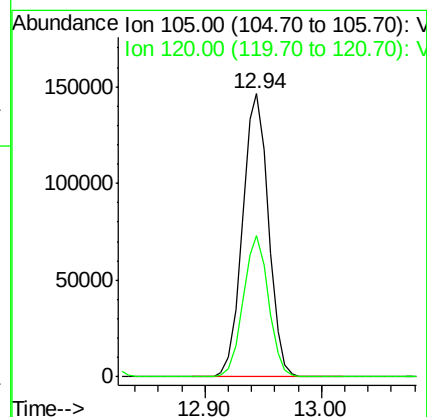
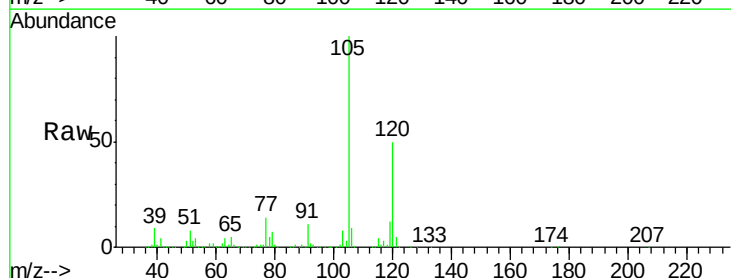
Acq: 19 Aug 2019 09:56

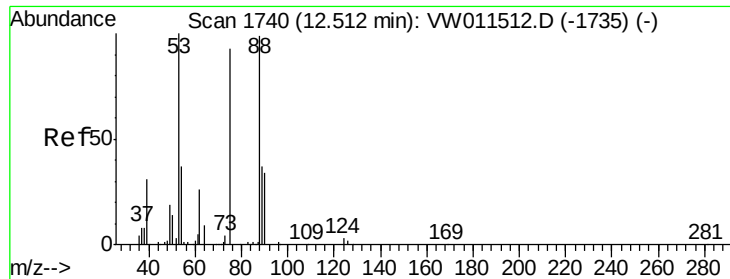
Tgt Ion:105 Resp: 226772

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.3





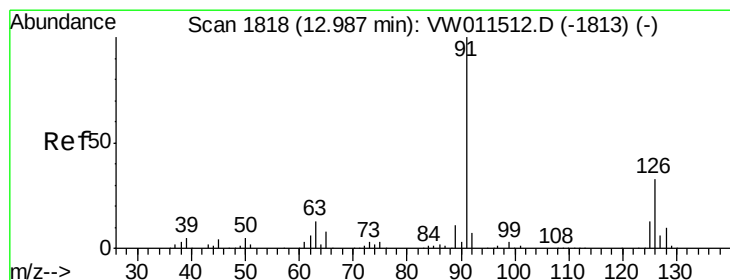
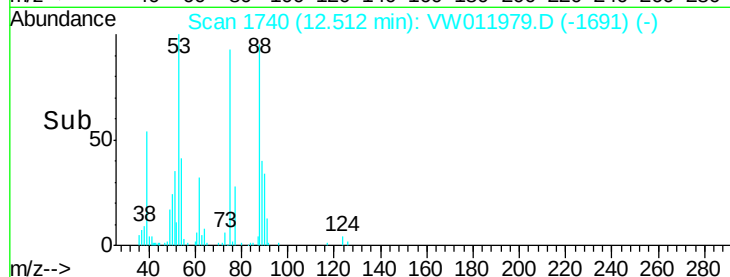
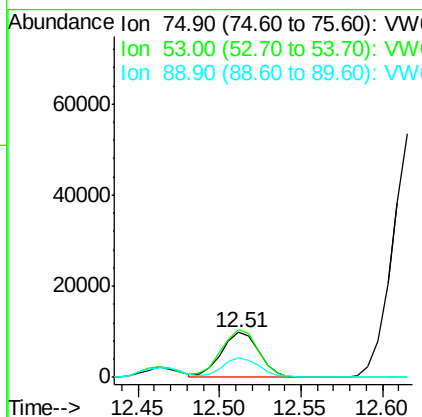
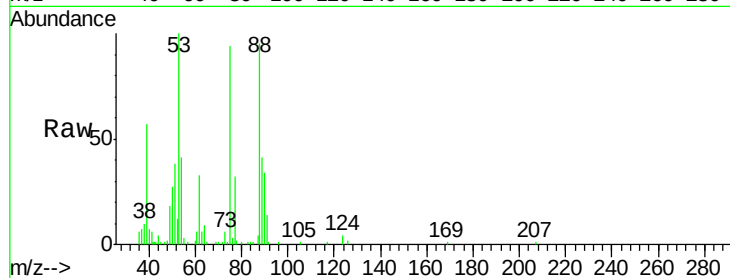
#81
trans-1,4-Dichloro-2-butene
Concen: 20.921 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	88.0	132.0
89	43.3	35.3	52.9

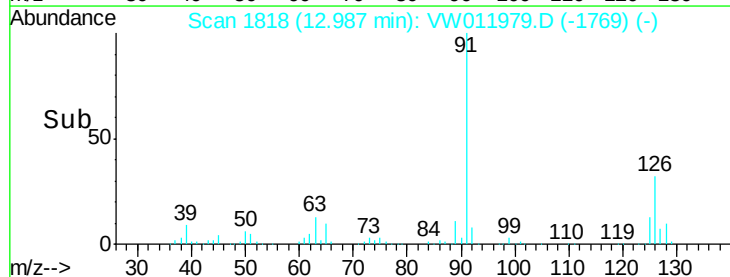
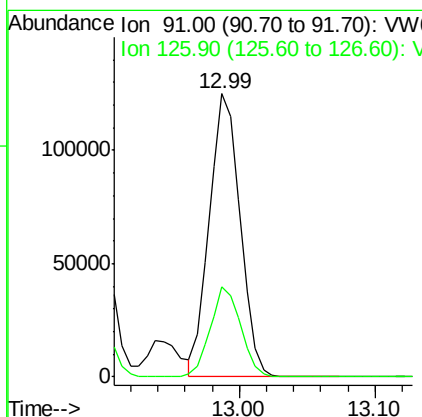
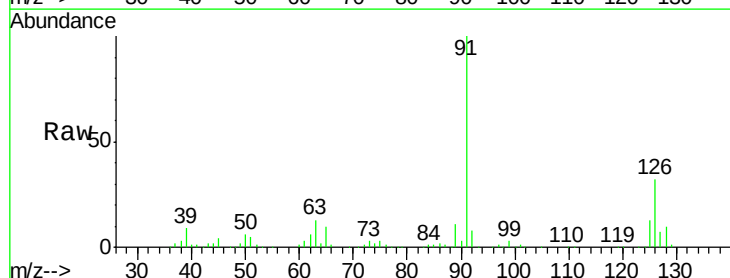
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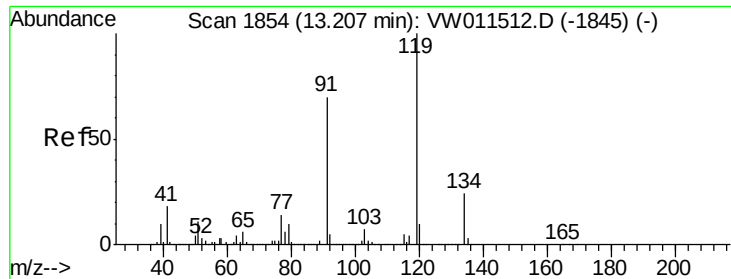
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#82
4-Chlorotoluene
Concen: 21.389 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8





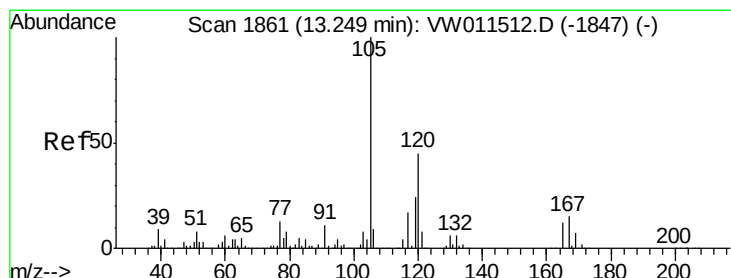
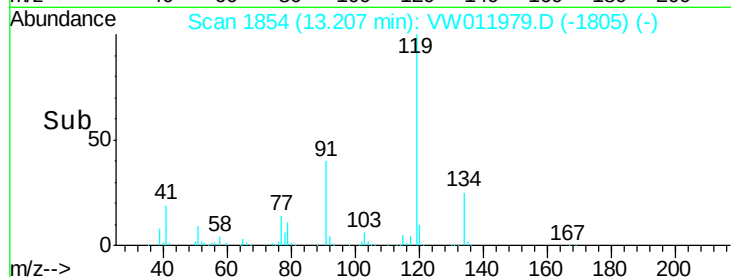
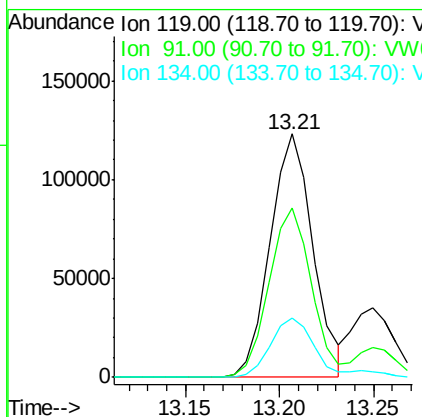
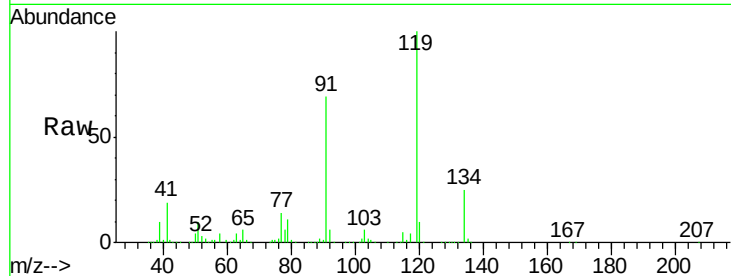
#83
tert-Butylbenzene
Concen: 22.294 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193929		
91	68.8	34.5	103.6	
134	24.9	12.4	37.4	

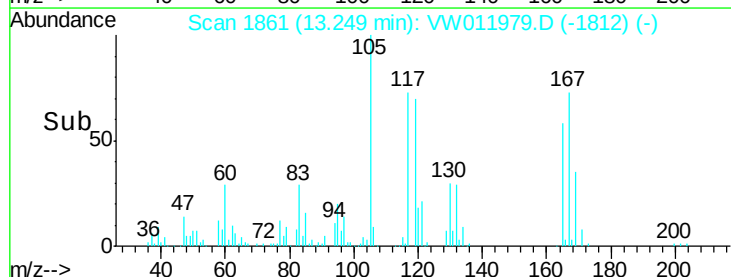
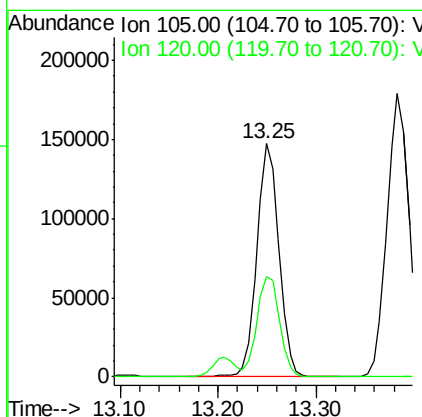
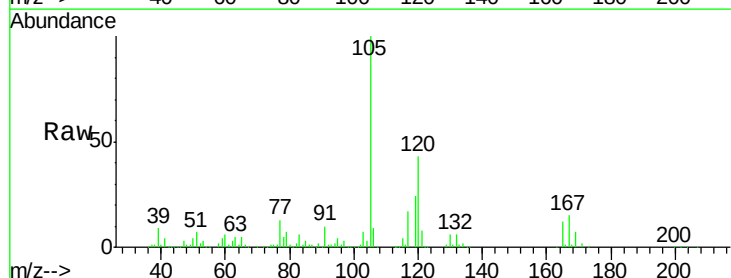
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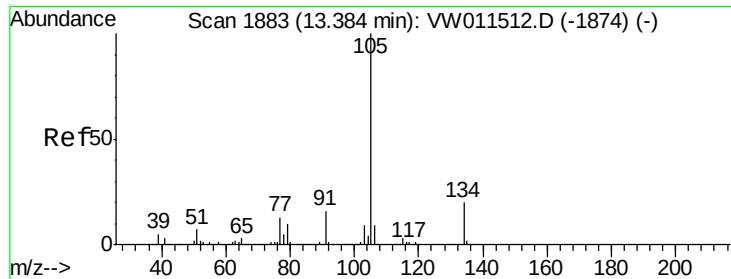
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#84
1,2,4-Trimethylbenzene
Concen: 21.974 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230254		
120	44.3	22.1	66.5	





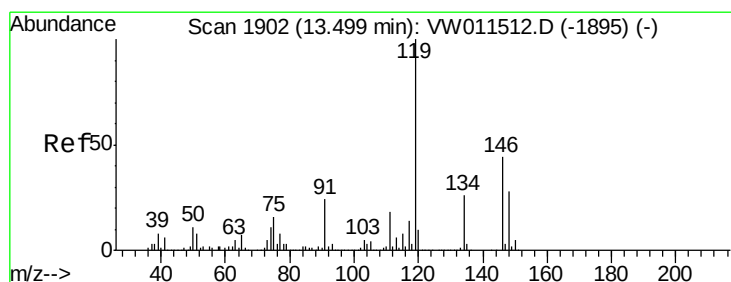
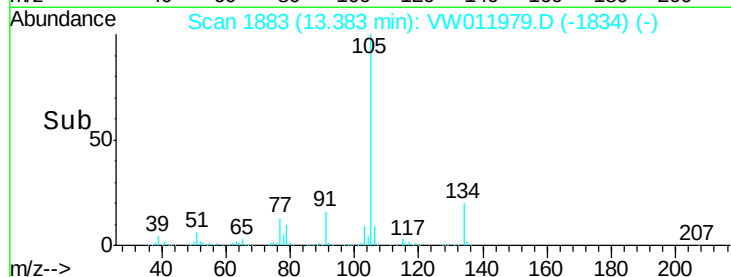
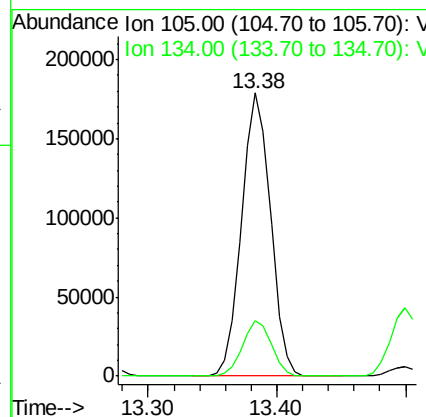
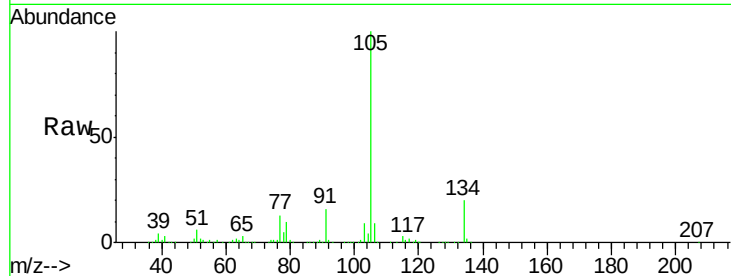
#85
 sec-Butylbenzene
 Concen: 22.433 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

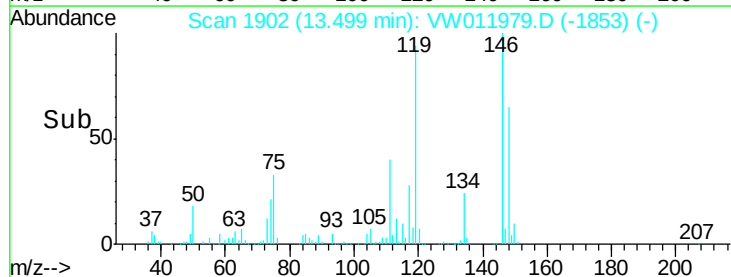
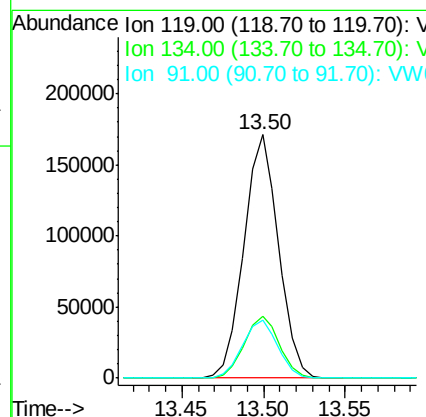
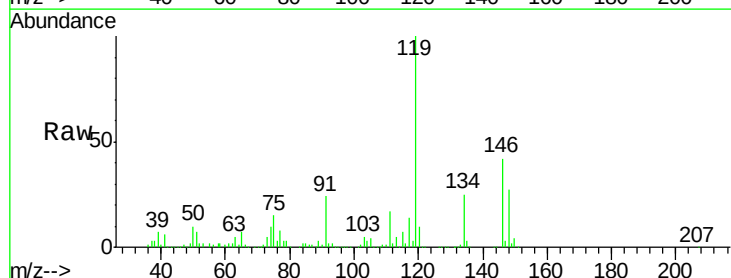
Manual Integrations
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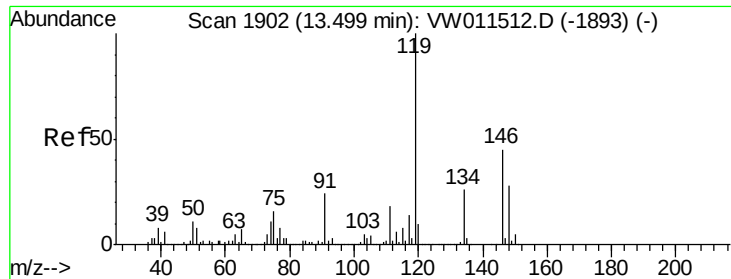
MMDadoda
 8/20/2019 9:56:26 AM



#86
 p-Isopropyltoluene
 Concen: 22.428 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.3	12.1	36.3





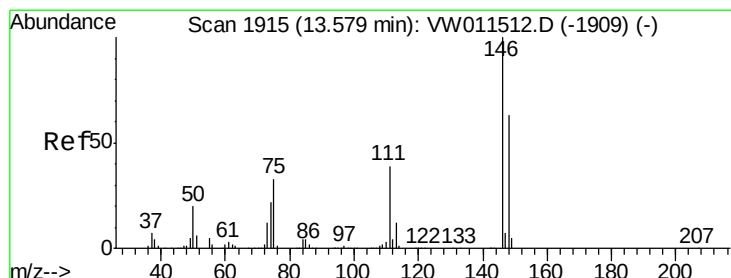
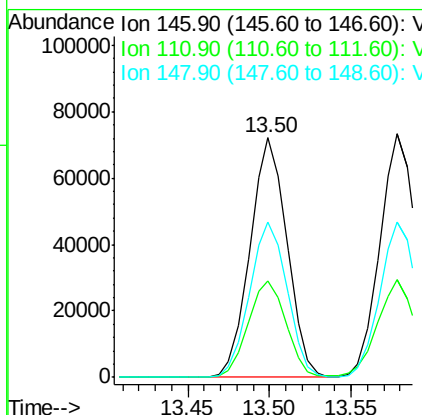
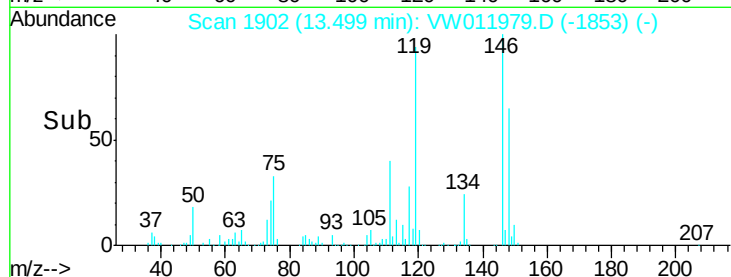
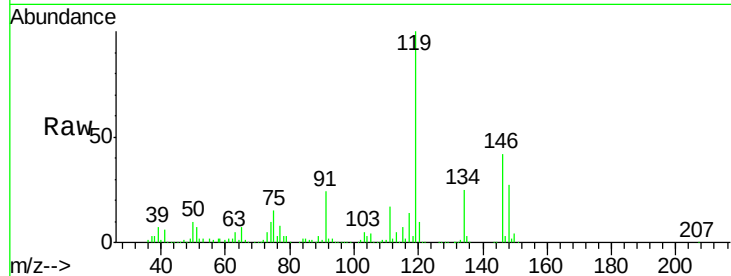
#87
 1,3-Dichlorobenzene
 Concen: 21.245 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114254		
111	41.4	20.5	61.6	
148	65.5	31.8	95.3	

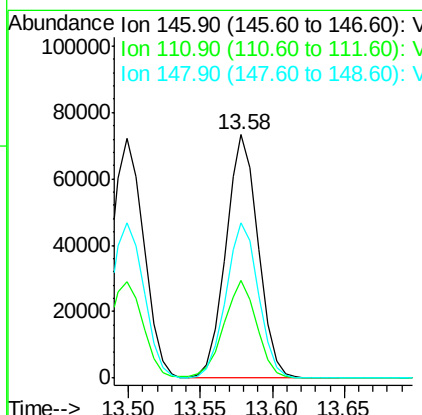
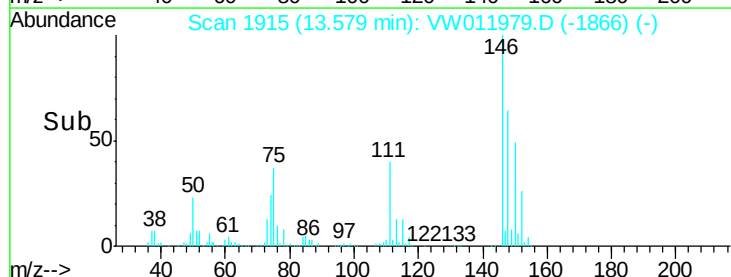
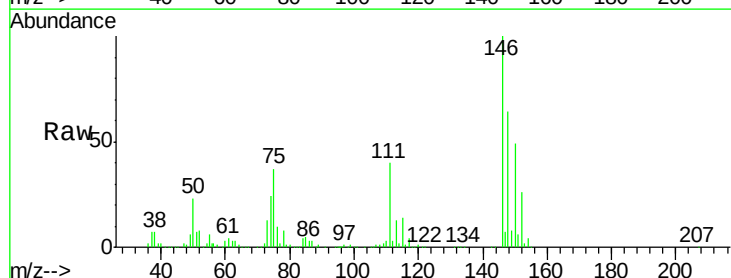
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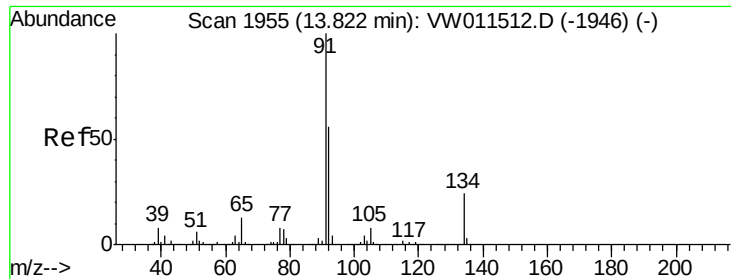
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#88
 1,4-Dichlorobenzene
 Concen: 21.517 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115115		
111	41.0	20.1	60.2	
148	64.4	31.9	95.9	





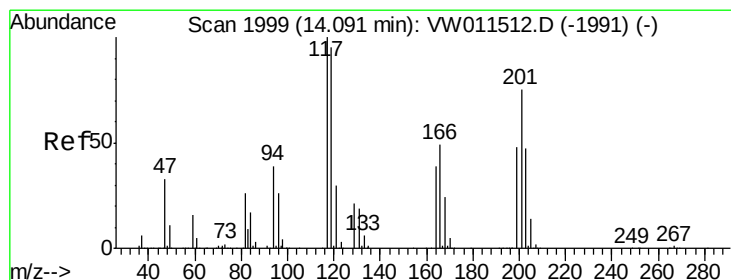
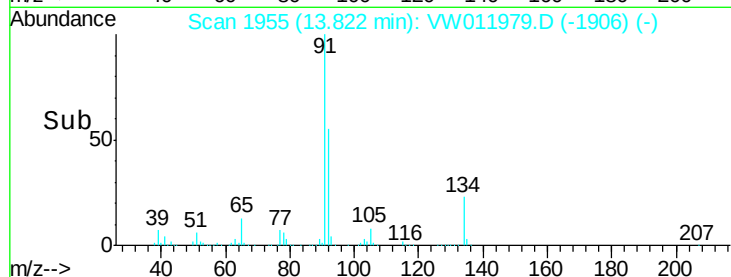
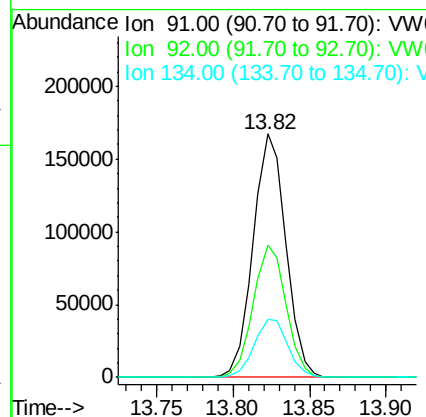
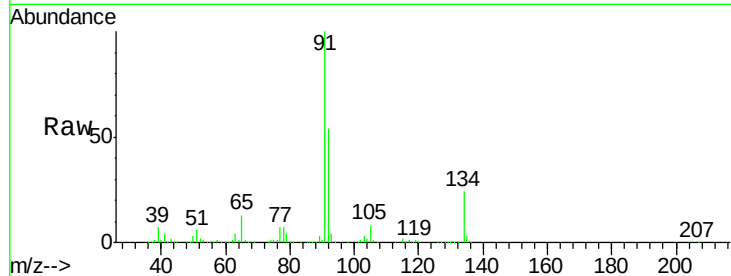
#89
n-Butylbenzene
Concen: 22.151 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	248941		
92	54.4	27.5	82.4	
134	24.6	12.2	36.6	

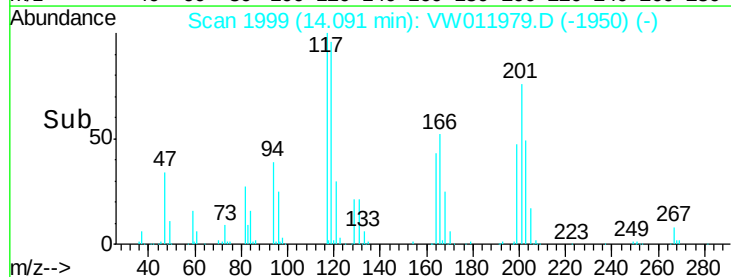
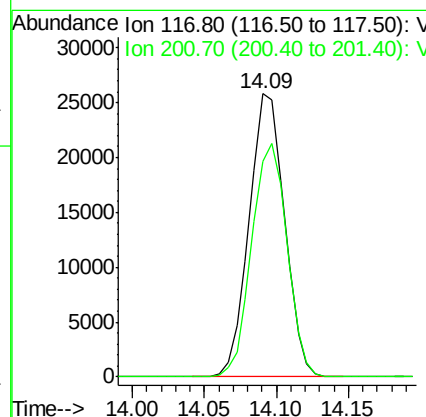
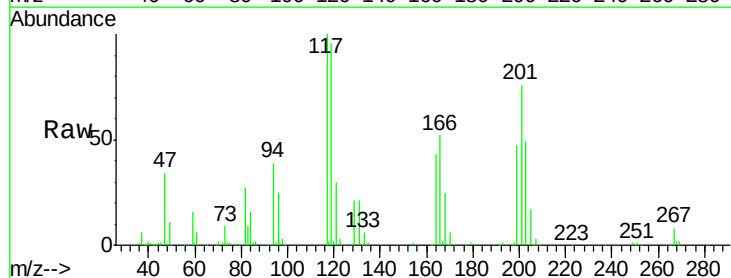
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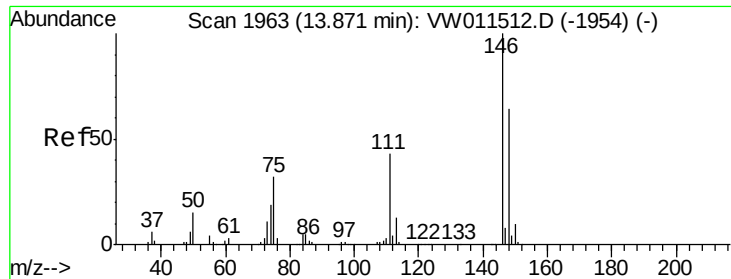
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#90
Hexachloroethane
Concen: 22.113 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44035		
201	82.1	39.4	118.2	





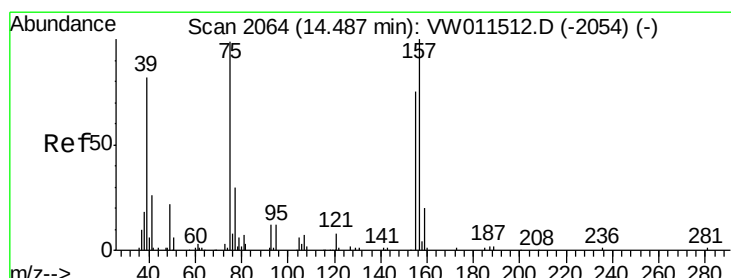
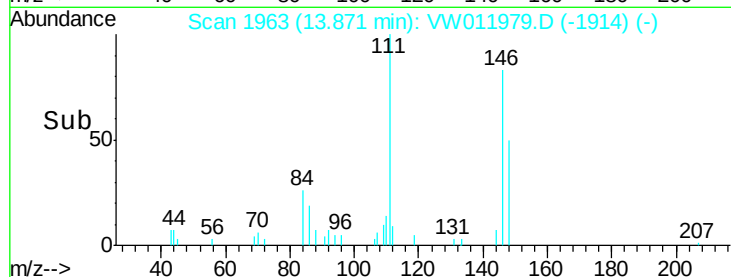
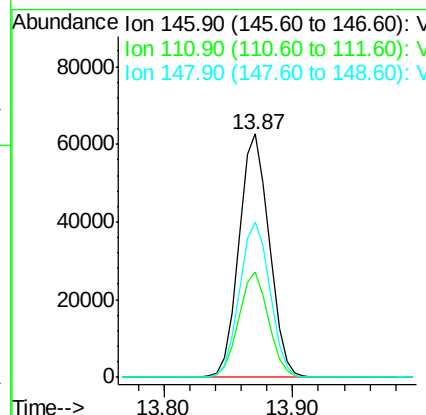
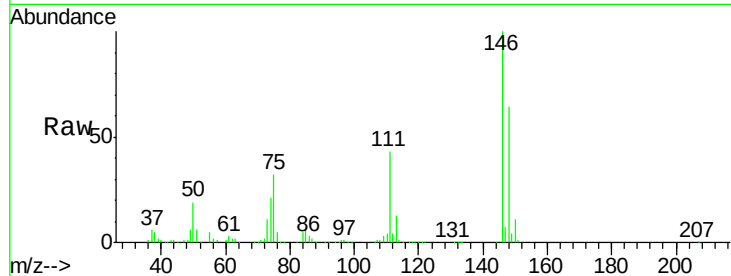
#91
 1,2-Dichlorobenzene
 Concen: 21.435 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101959		
111	42.6		21.6	65.0
148	64.3		32.0	96.2

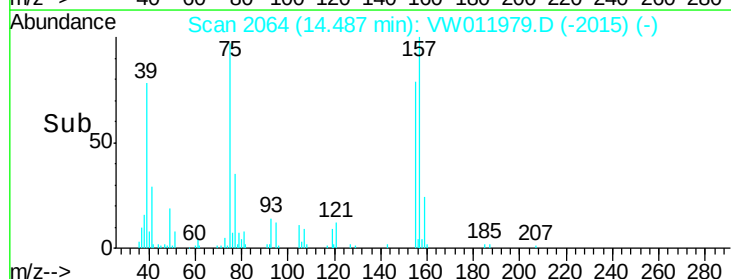
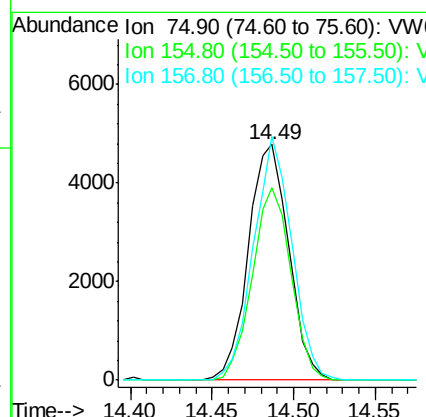
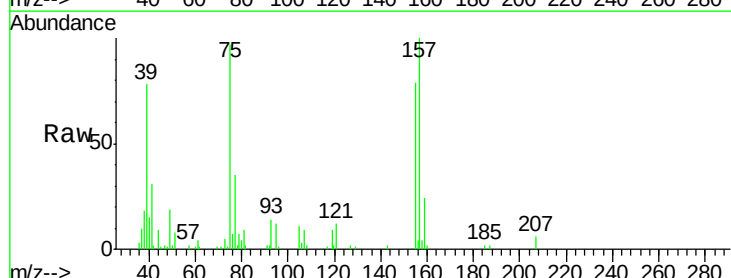
Manual Integrations
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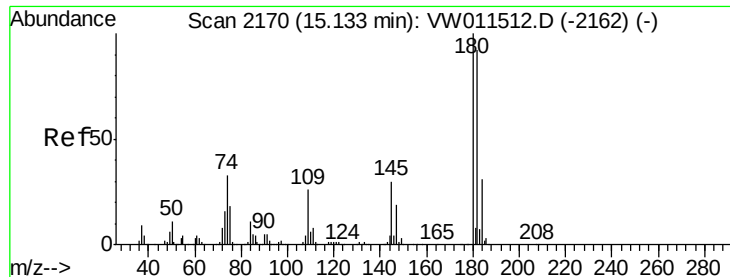
MMDadoda
 8/20/2019 9:56:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.639 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8215		
155	77.9		38.2	114.6
157	97.6		48.9	146.7





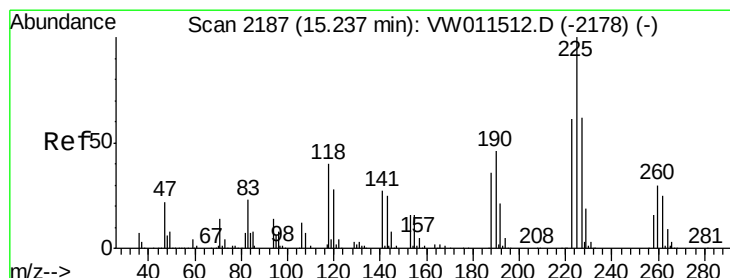
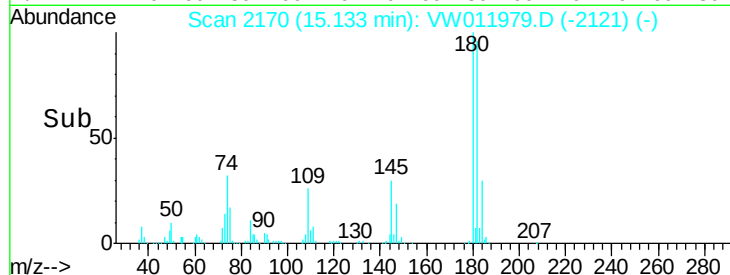
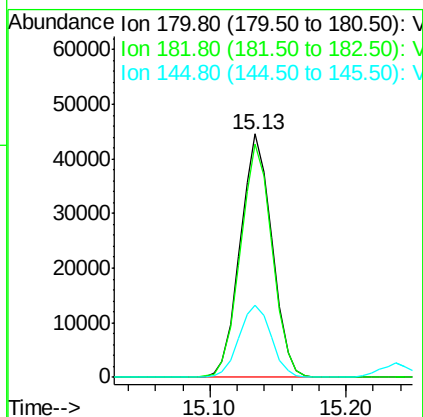
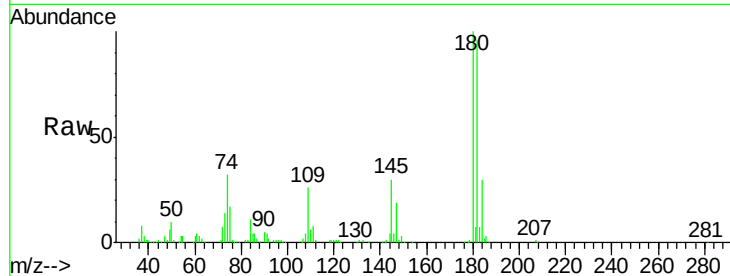
#93
 1,2,4-Trichlorobenzene
 Concen: 21.672 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72650		
182	95.7		47.4	142.2
145	30.2		15.4	46.1

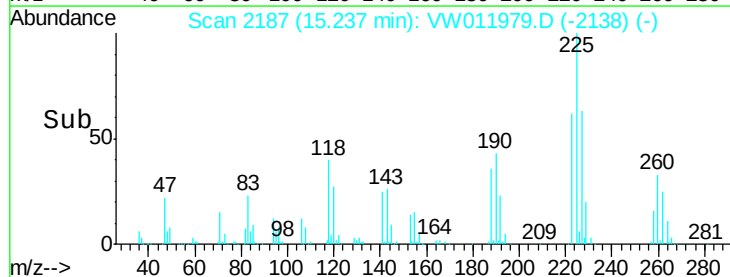
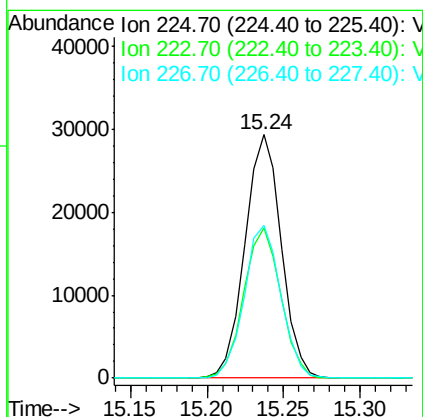
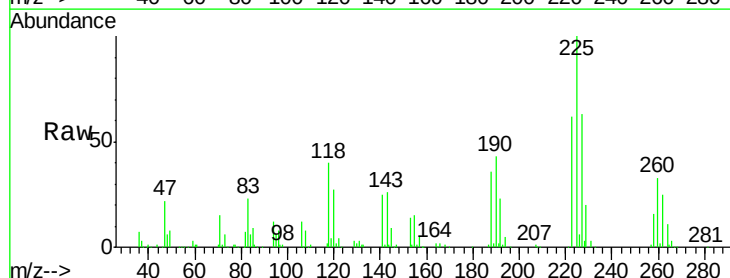
Manual Integrations
 APPROVED

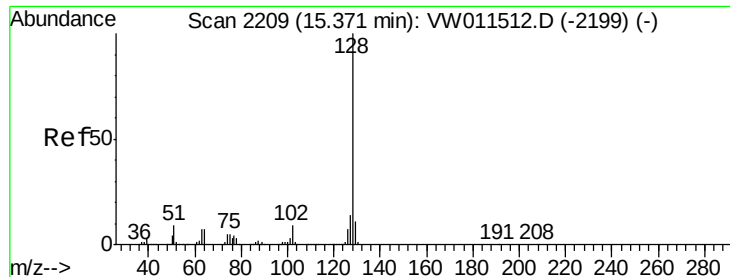
MMDadoda
 8/20/2019 9:56:26 AM



#94
 Hexachlorobutadiene
 Concen: 23.178 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011979.D
 Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48455		
223	63.0		30.8	92.3
227	63.1		31.6	94.7





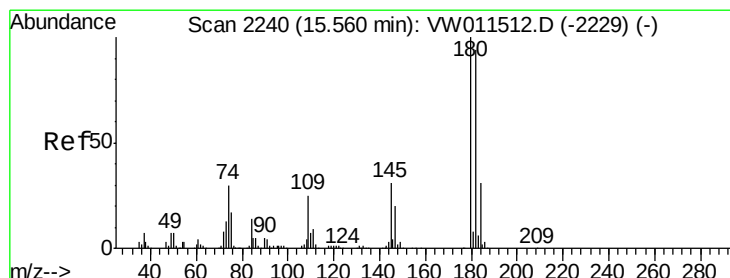
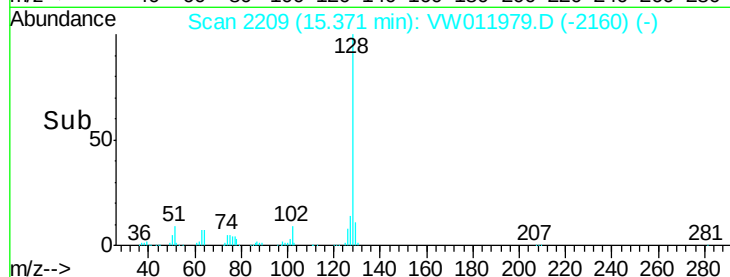
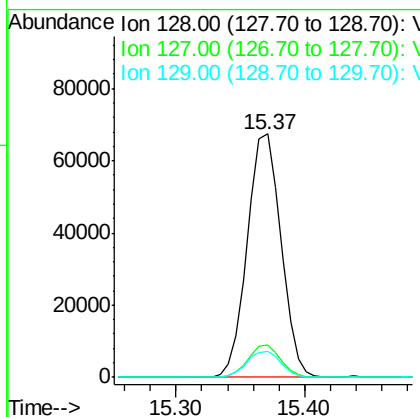
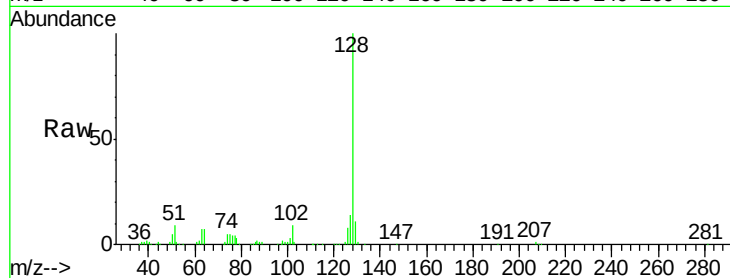
#95
Naphthalene
Concen: 19.903 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122177		
127	13.1		10.6	16.0
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:56:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.034 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011979.D
Acq: 19 Aug 2019 09:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61807		
182	95.2		47.4	142.2
145	32.5		15.9	47.7

