

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009567.D
 Acq On : 29 Mar 2019 11:15
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:46 AM

Quant Time: Mar 29 13:24:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	310959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	446947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	239446	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	180451	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	7.88	113	150946	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.32	98	582504	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.62	95	217294	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	90909	50.000	ug/l	98
3) Chloromethane	2.21	50	120293	50.000	ug/l	93
4) Vinyl Chloride	2.37	62	165115	50.000	ug/l	95
5) Bromomethane	2.78	94	124717	50.000	ug/l	99
6) Chloroethane	2.93	64	124821	50.000	ug/l	100
7) Trichlorofluoromethane	3.26	101	114566	50.000	ug/l	97
8) Diethyl Ether	3.67	74	80941	50.000	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	152976	50.000	ug/l	99
10) Methyl Iodide	4.27	142	214882	50.000	ug/l	97
11) Tert butyl alcohol	5.17	59	49815	250.000	ug/l	98
12) 1,1-Dichloroethene	4.04	96	145143	50.000	ug/l	97
13) Acrolein	3.89	56	37702	250.000	ug/l	98
14) Allyl chloride	4.66	41	239411	50.000	ug/l	97
15) Acrylonitrile	5.36	53	179354	250.000	ug/l	99
16) Acetone	4.12	43	200766	250.000	ug/l	91
17) Carbon Disulfide	4.37	76	405447	50.000	ug/l	97
18) Methyl Acetate	4.67	43	93787	50.000	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	209720	50.000	ug/l	94
20) Methylene Chloride	4.92	84	158427	50.000	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	155988	50.000	ug/l	93
22) Diisopropyl ether	6.31	45	523040	50.000	ug/l	97
23) Vinyl Acetate	6.25	43	1648114	250.000	ug/l	99
24) 1,1-Dichloroethane	6.21	63	306442	50.000	ug/l	97
25) 2-Butanone	7.17	43	273334	250.000	ug/l	96
26) 2,2-Dichloropropane	7.16	77	175328	50.000	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	172777	50.000	ug/l	96
28) Bromochloromethane	7.51	49	129312	50.000	ug/l #	95
29) Tetrahydrofuran	7.52	42	171103	250.000	ug/l	99
30) Chloroform	7.67	83	315151	50.000	ug/l	98
31) Cyclohexane	7.95	56	273562	50.000	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	256646	50.000	ug/l	97
36) 1,1-Dichloropropene	8.08	75	248872	50.000	ug/l	100
37) Ethyl Acetate	7.25	43	116904	50.000	ug/l	99
38) Carbon Tetrachloride	8.07	117	251989	50.000	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	286739	50.000	ug/l	97
40) Benzene	8.32	78	673100	50.000	ug/l	100
41) Methacrylonitrile	7.48	41	69554	50.000	ug/l	91
42) 1,2-Dichloroethane	8.40	62	224641	50.000	ug/l	98
43) Isopropyl Acetate	8.43	43	226508	50.000	ug/l	100
44) Trichloroethene	9.09	130	173726	50.000	ug/l	94
45) 1,2-Dichloropropane	9.37	63	171630	50.000	ug/l	95
46) Dibromomethane	9.46	93	91762	50.000	ug/l	98
47) Bromodichloromethane	9.64	83	239065	50.000	ug/l	96
48) Methyl methacrylate	9.43	41	112308	50.000	ug/l	97
49) 1,4-Dioxane	9.45	88	28376	1000.000	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	620820	250.000	ug/l	99
52) Toluene	10.38	92	431700	50.000	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	238008	50.000	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	264537	50.000	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	124808	50.000	ug/l	95
56) Ethyl methacrylate	10.65	69	162264	50.000	ug/l	97
57) 1,3-Dichloropropane	10.93	76	224402	50.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	397477	250.000	ug/l	98
59) 2-Hexanone	10.97	43	441693	250.000	ug/l	100
60) Dibromochloromethane	11.13	129	151545	50.000	ug/l	98
61) 1,2-Dibromoethane	11.23	107	120453	50.000	ug/l	99
64) Tetrachloroethene	10.86	164	148404	50.000	ug/l	94
65) Chlorobenzene	11.66	112	466969	50.000	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	171565	50.000	ug/l	99
67) Ethyl Benzene	11.73	91	855423	50.000	ug/l	100
68) m/p-Xylenes	11.84	106	650118	100.000	ug/l	98
69) o-Xylene	12.16	106	304944	50.000	ug/l	99
70) Styrene	12.18	104	515211	50.000	ug/l	100
71) Bromoform	12.35	173	92582	50.000	ug/l #	98
73) Isopropylbenzene	12.46	105	884308	50.000	ug/l	100
74) N-amyl acetate	12.27	43	222994	50.000	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	155958	50.000	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	113232m	50.000	ug/l	
77) Bromobenzene	12.75	156	197096	50.000	ug/l	98
78) n-propylbenzene	12.80	91	1089363	50.000	ug/l	100
79) 2-Chlorotoluene	12.90	91	612108	50.000	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	748333	50.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	48501	50.000	ug/l	95
82) 4-Chlorotoluene	12.99	91	644649	50.000	ug/l	99
83) tert-Butylbenzene	13.21	119	636718	50.000	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	772715	50.000	ug/l	98
85) sec-Butylbenzene	13.38	105	966997	50.000	ug/l	99
86) p-Isopropyltoluene	13.50	119	840481	50.000	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	405713	50.000	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	403385	50.000	ug/l	100
89) n-Butylbenzene	13.83	91	827693	50.000	ug/l	99
90) Hexachloroethane	14.10	117	155695	50.000	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	365224	50.000	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28715	50.000	ug/l	96

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Instrument :
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Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:10:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	241927	50.000	ug/l	98
94) Hexachlorobutadiene	15.24	225	150387	50.000	ug/l	99
95) Naphthalene	15.37	128	448908	50.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	213156	50.000	ug/l	99

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

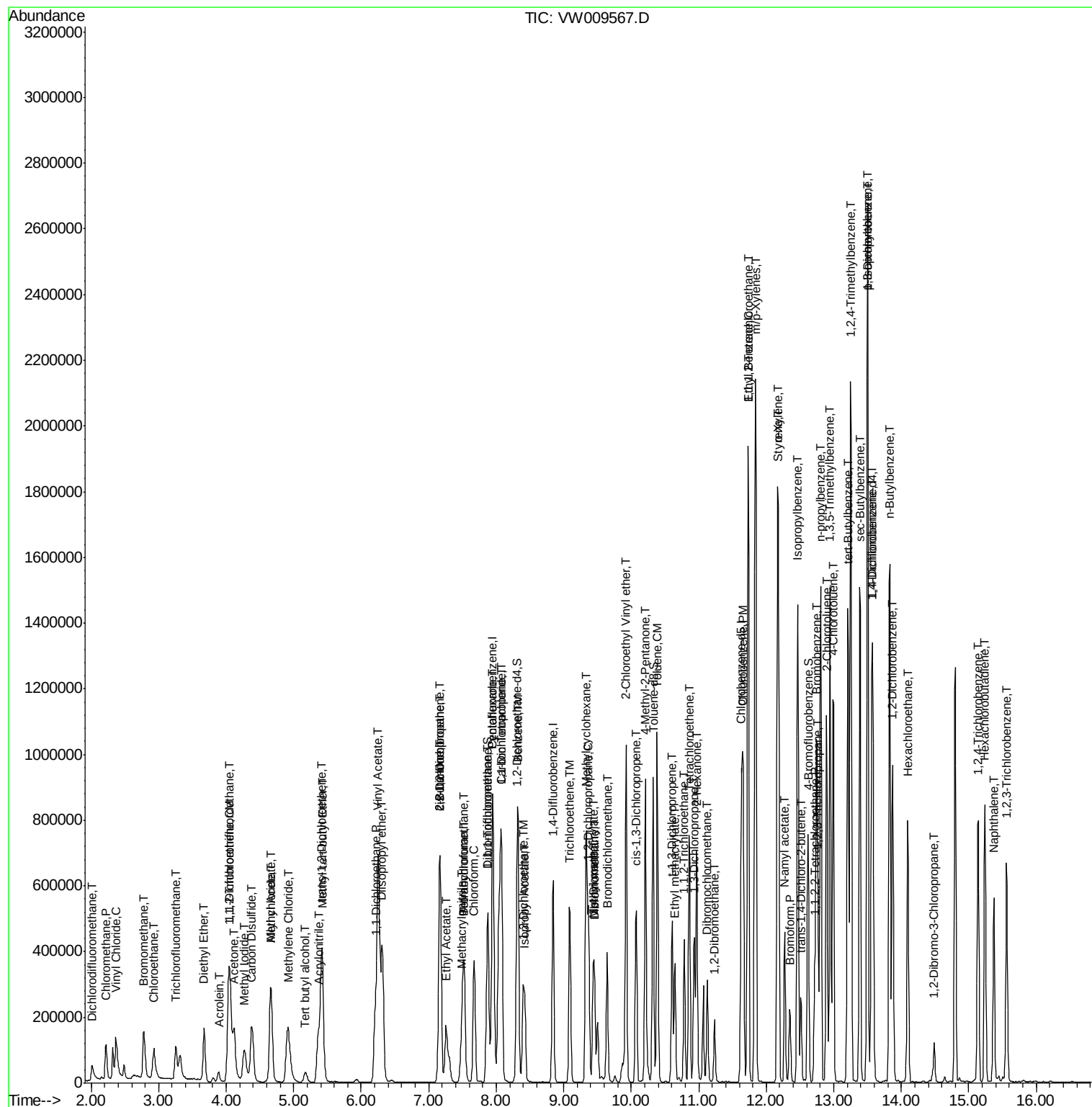
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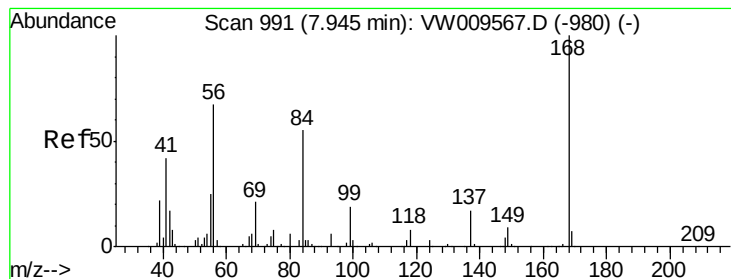
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDICCC050

Manual Integrations
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 310959

Ion Ratio Lower Upper

168 100

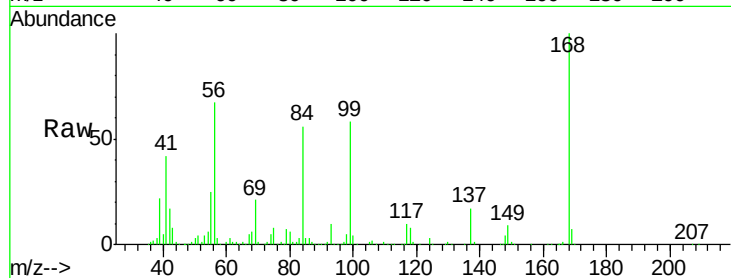
99 57.8 45.4 68.0

Manual Integrations

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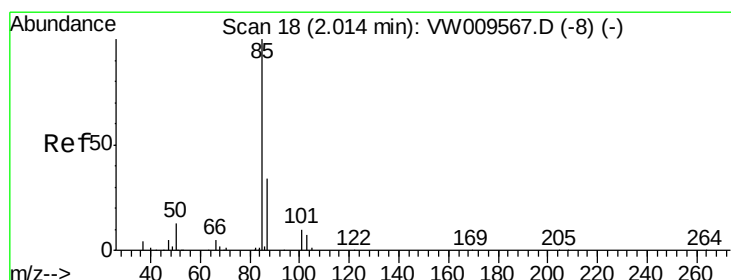
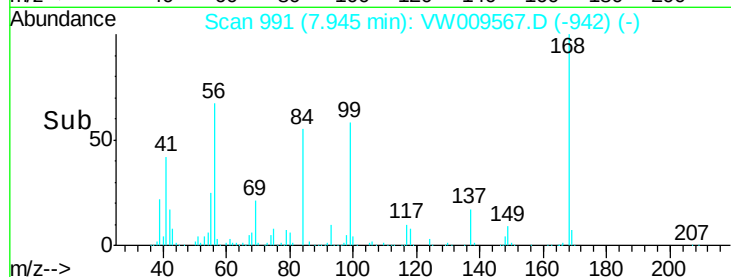
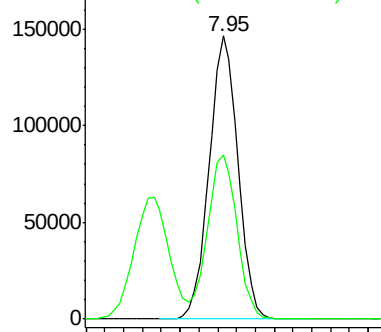
MMDadoda

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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: 50.000 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009567.D

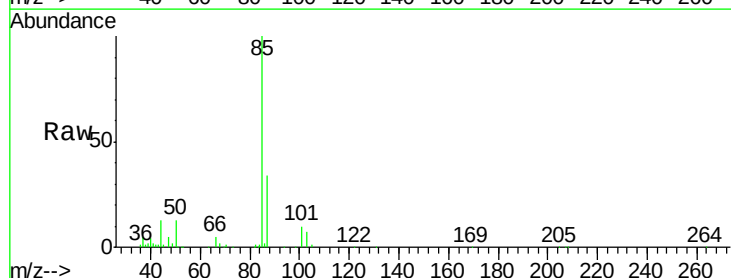
Acq: 29 Mar 2019 11:15

Tgt Ion: 85 Resp: 90909

Ion Ratio Lower Upper

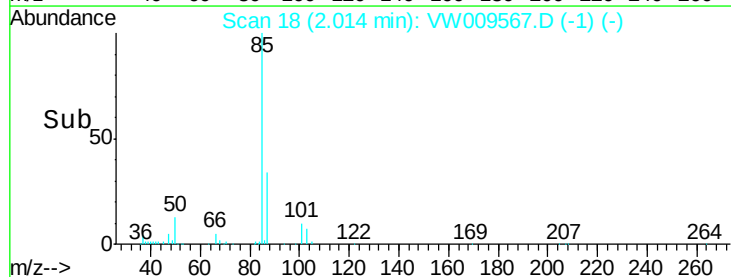
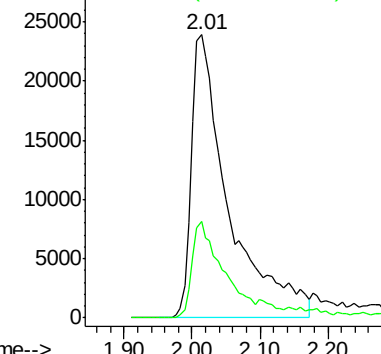
85 100

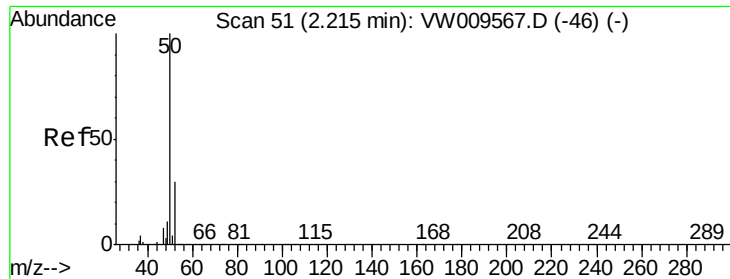
87 34.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.000 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 120293

Ion Ratio Lower Upper

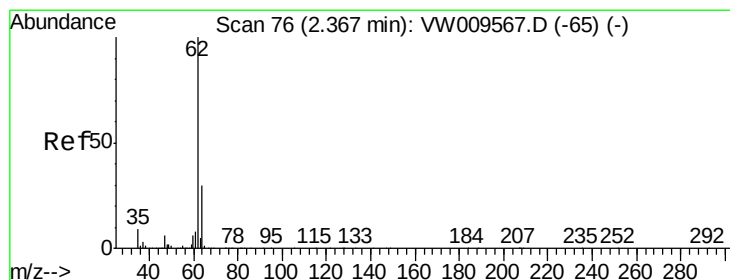
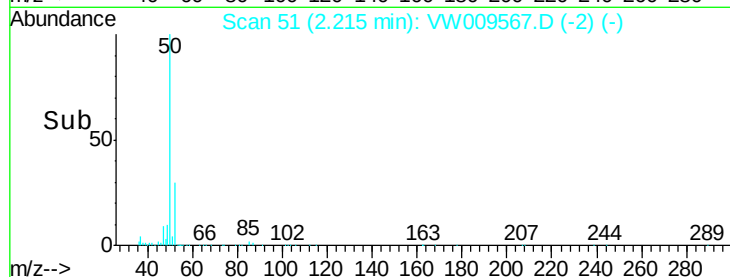
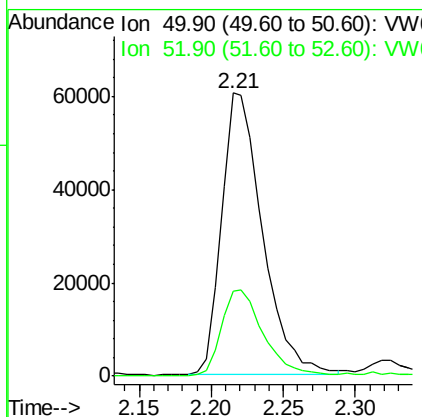
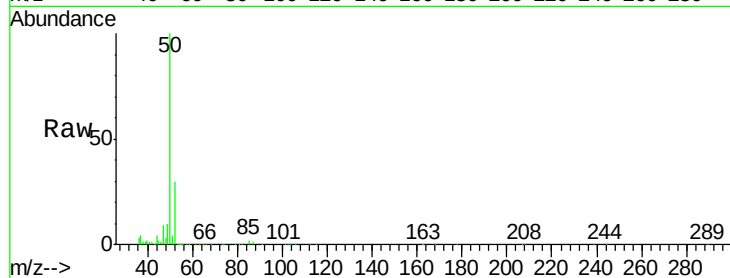
50 100

52 30.1 27.2 40.8

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#4

Vinyl Chloride

Concen: 50.000 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009567.D

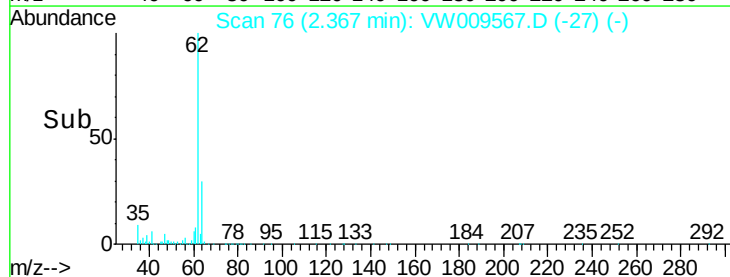
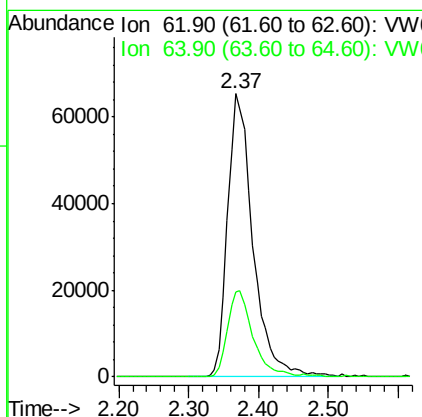
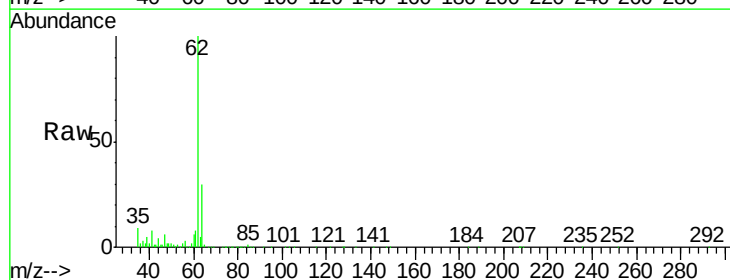
Acq: 29 Mar 2019 11:15

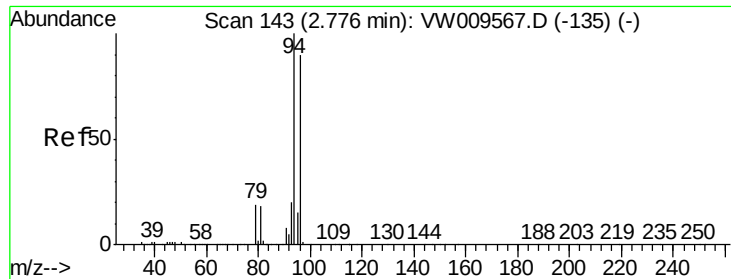
Tgt Ion: 62 Resp: 165115

Ion Ratio Lower Upper

62 100

64 30.1 26.2 39.2





#5

Bromomethane

Concen: 50.000 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Tot Ion: 94 Resp: 124717

Ion Ratio Lower Upper

94 100

96 90.2 71.4 107.2

Instrument :

MSVOA_W

ClientSampleId :

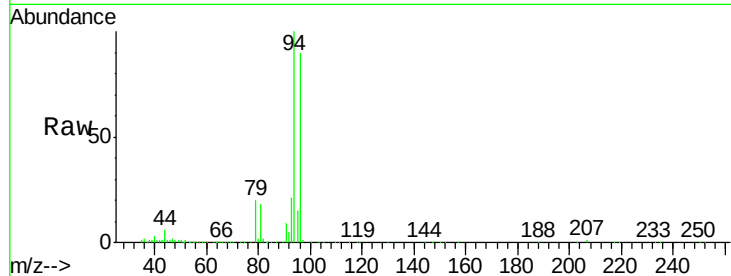
VSTDICCC050

Manual Integrations

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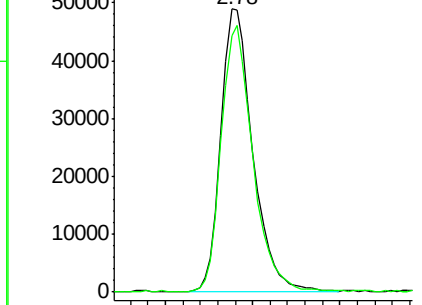
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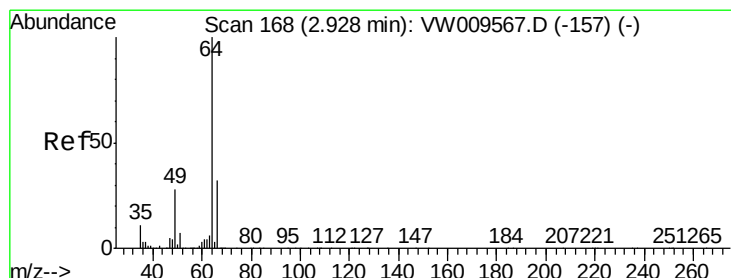
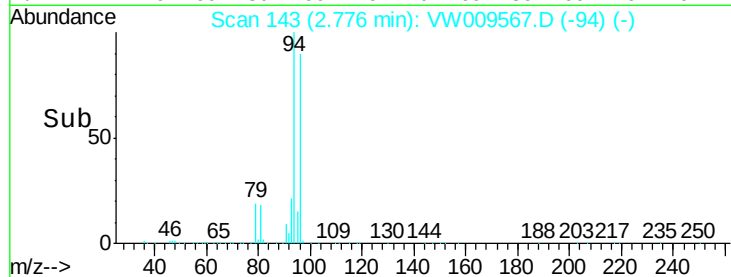


Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



Time-->



#6

Chloroethane

Concen: 50.000 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009567.D

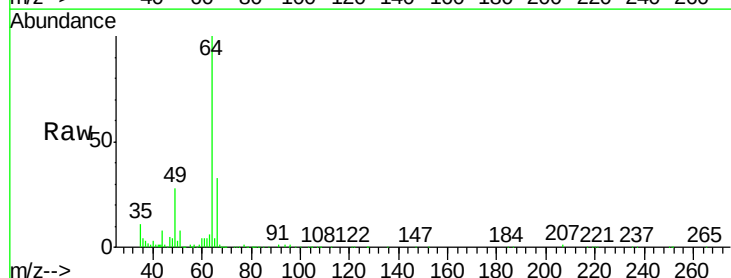
Acq: 29 Mar 2019 11:15

Tgt Ion: 64 Resp: 124821

Ion Ratio Lower Upper

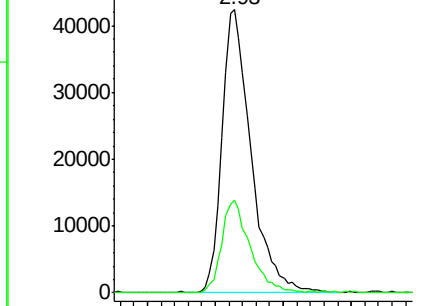
64 100

66 32.5 26.2 39.2

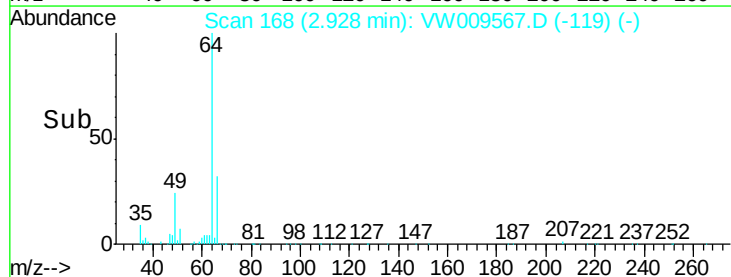


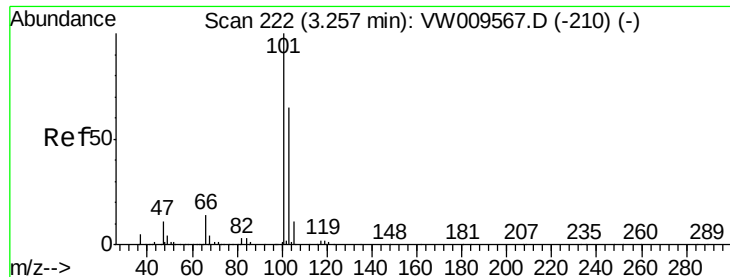
Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



Time-->





#7

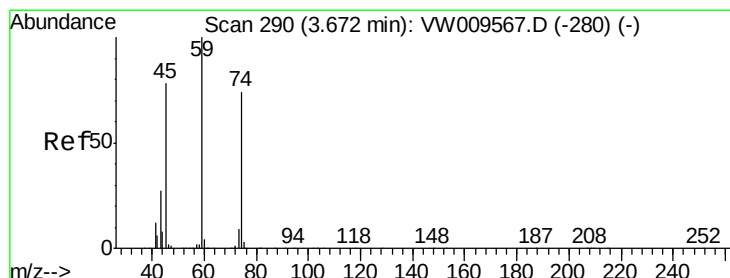
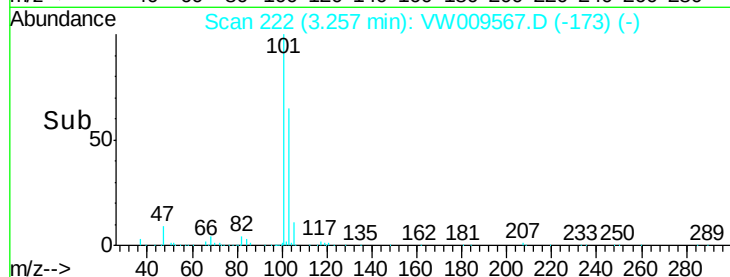
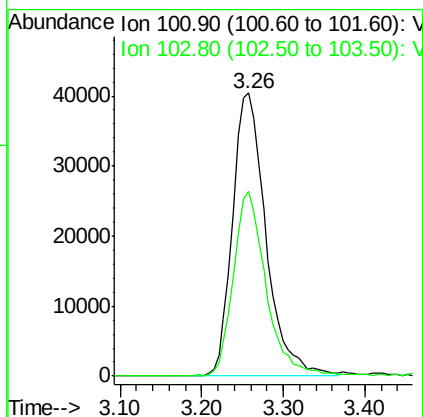
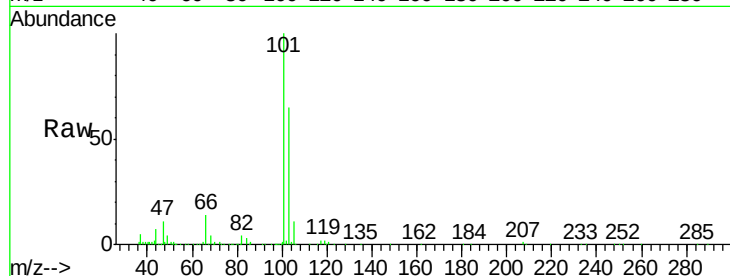
Trichlorofluoromethane
Concen: 50.000 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.5	75.7

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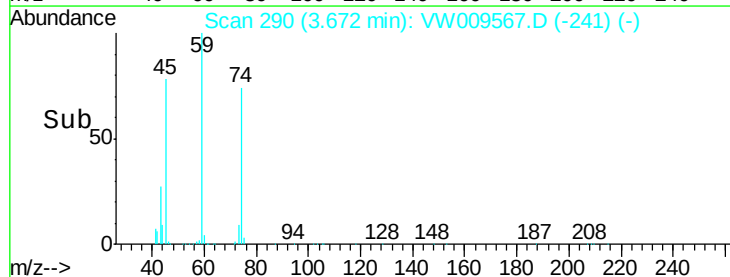
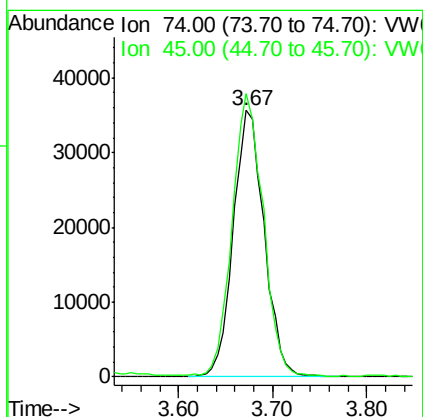
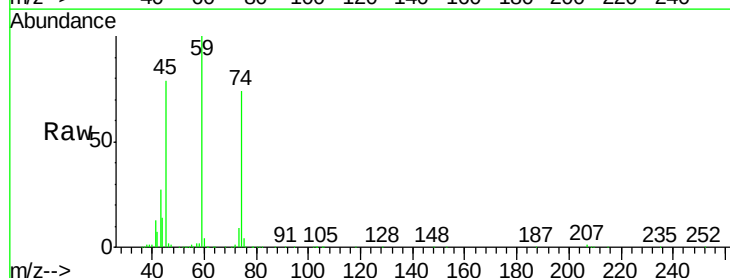
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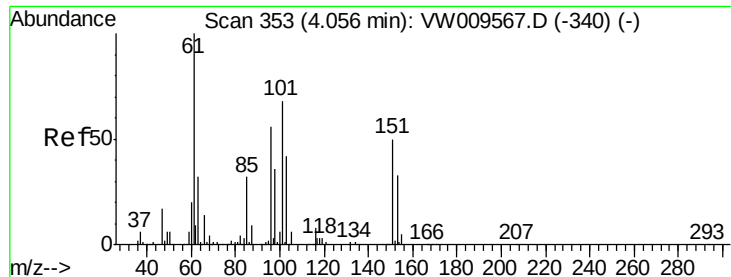


#8

Diethyl Ether
Concen: 50.000 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.4	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.000 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

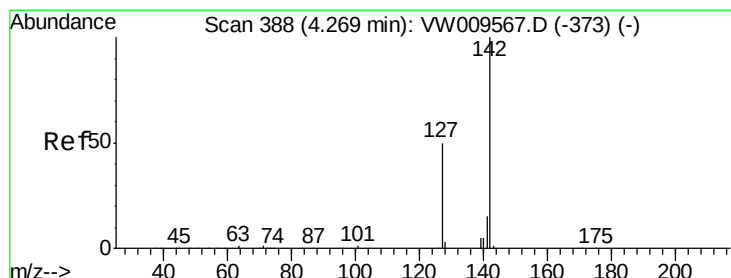
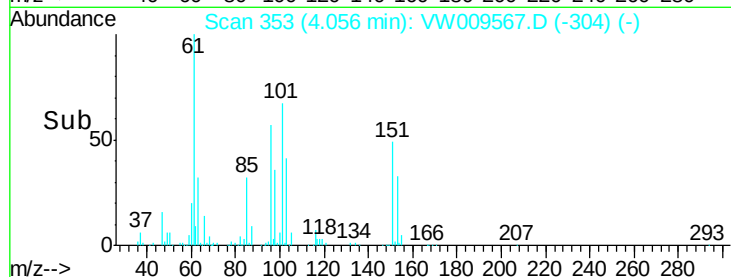
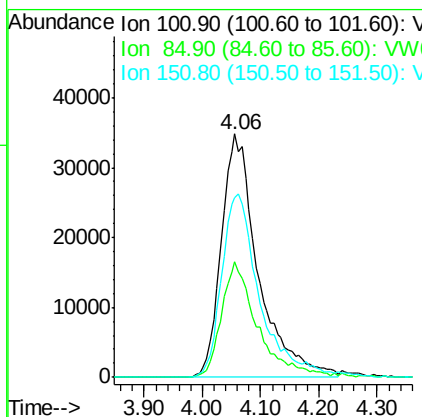
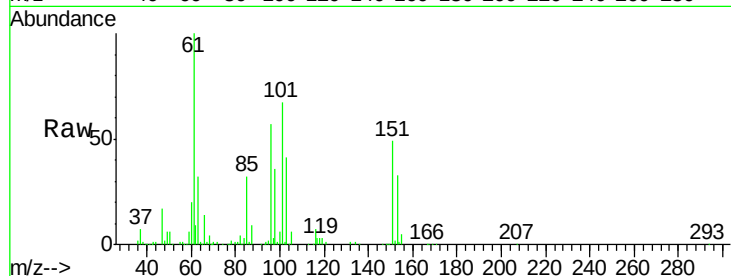
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	152976
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.1	52.7
151	78.5	62.9	94.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.000 ug/l

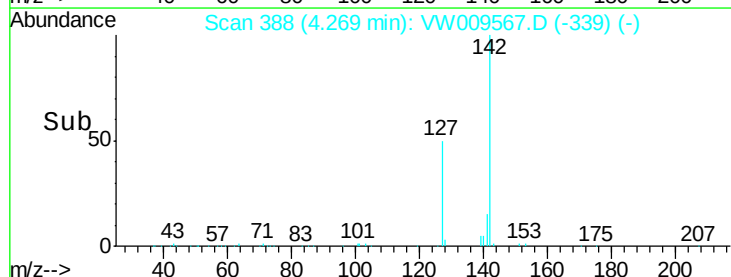
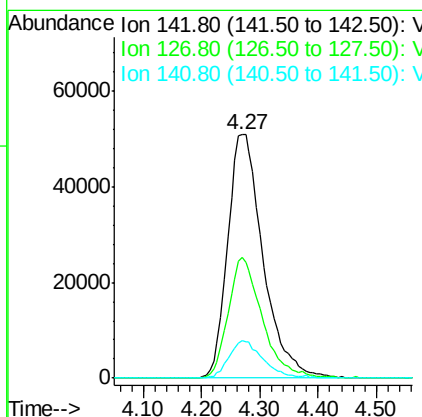
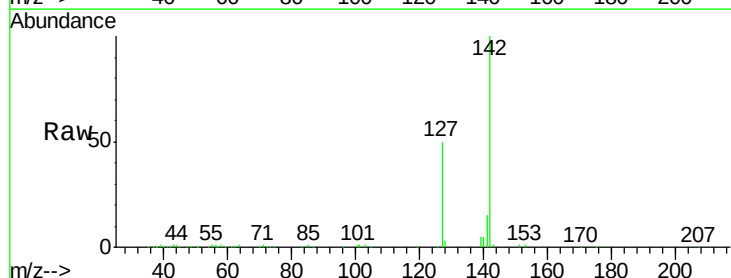
RT: 4.27 min Scan# 388

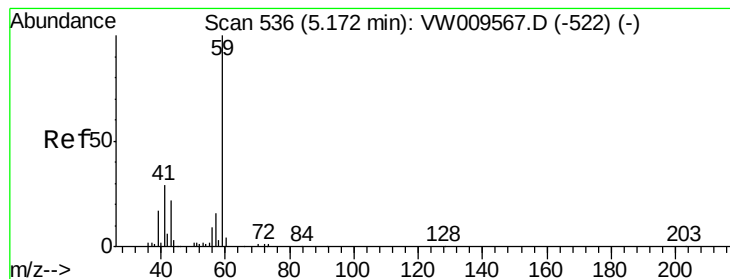
Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Tgt Ion:	142	Resp:	214882
Ion Ratio	Lower	Upper	
142	100		
127	47.6	35.9	53.9
141	14.7	11.4	17.2





#11

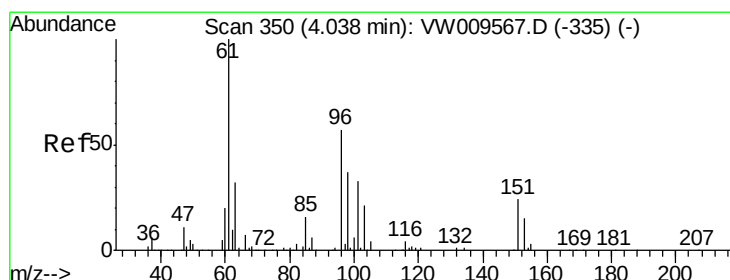
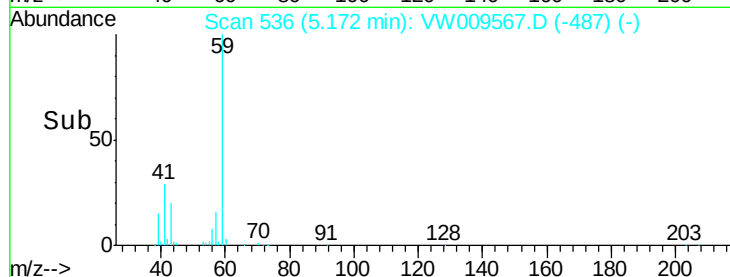
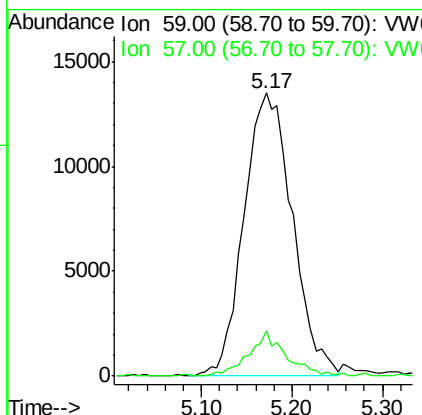
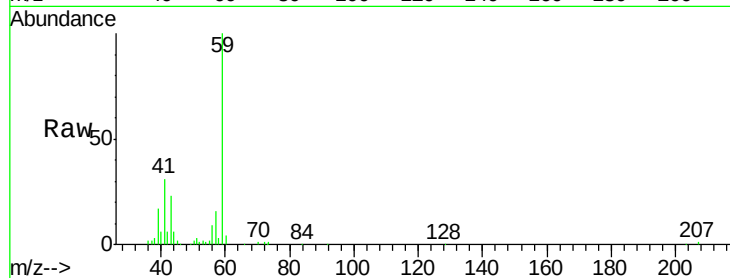
Tert butyl alcohol
Concen: 250.000 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.3	9.4	14.0

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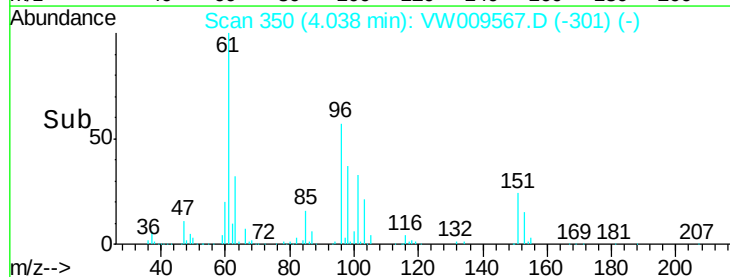
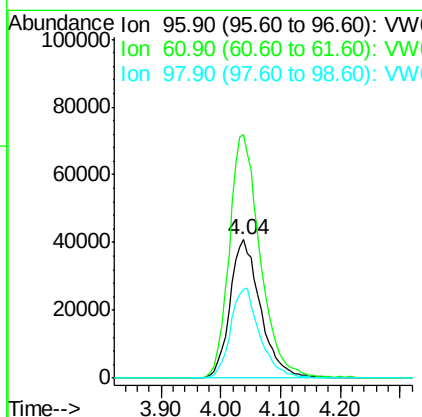
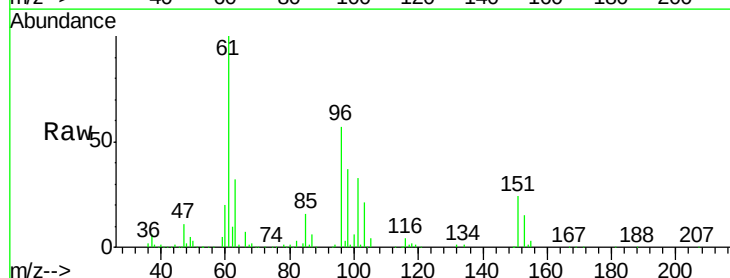
MMDadoda
4/1/2019 4:04:46 AM

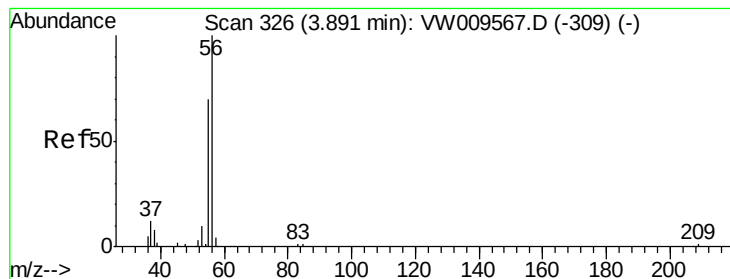


#12

1,1-Dichloroethene
Concen: 50.000 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	138.0	207.0
98	64.6	49.8	74.8





#13

Acrolein

Concen: 250.000 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 37702

Ion Ratio Lower Upper

56 100

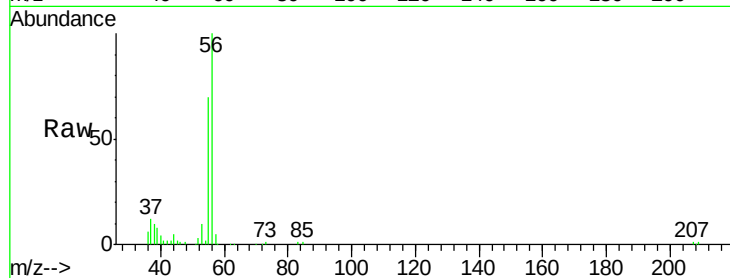
55 67.3 55.2 82.8

Manual Integrations

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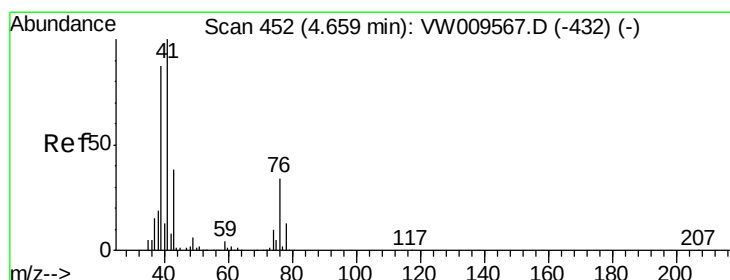
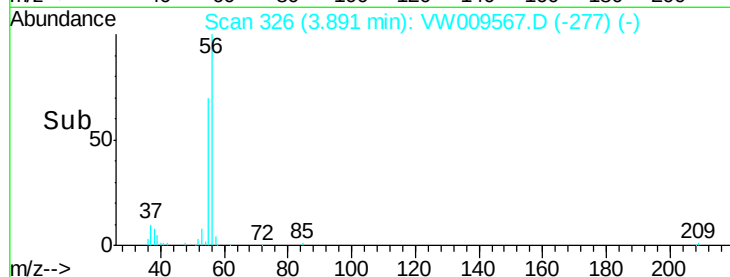
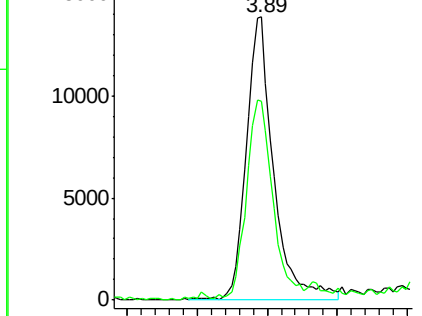
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 50.000 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

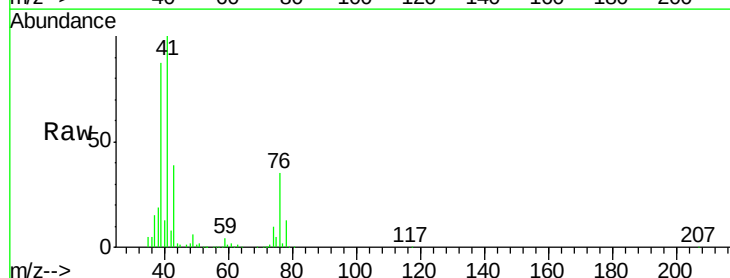
Tgt Ion: 41 Resp: 239411

Ion Ratio Lower Upper

41 100

39 82.3 63.8 95.6

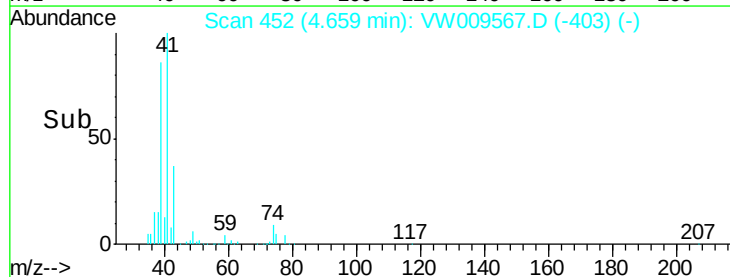
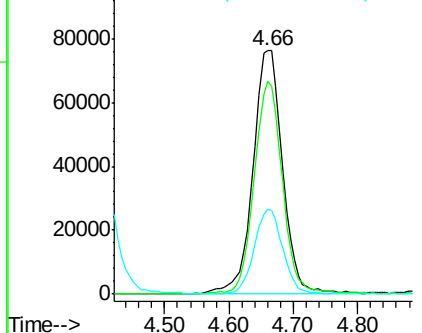
76 33.0 27.8 41.6

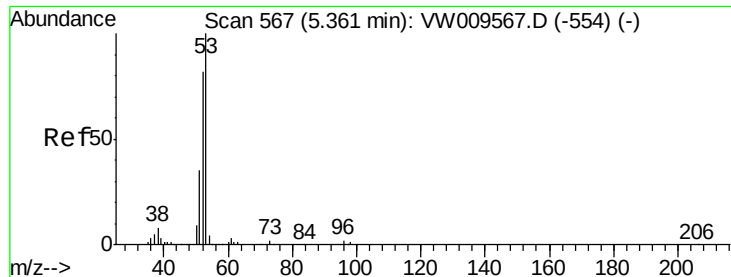


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 250.000 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

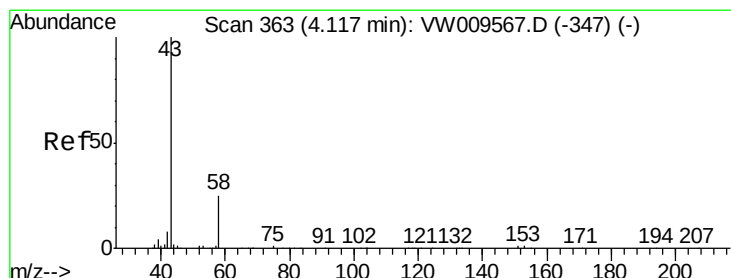
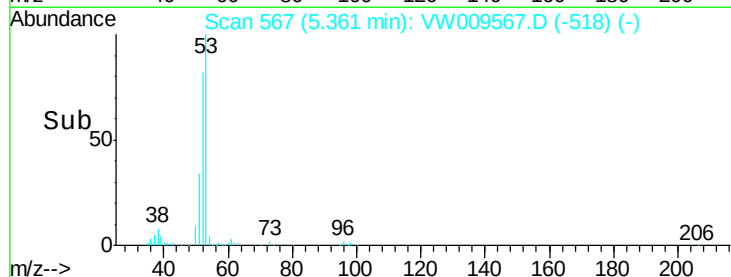
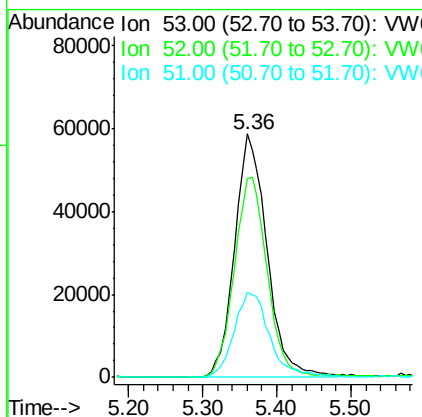
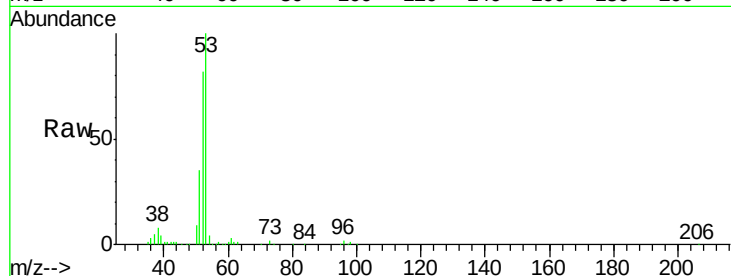
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	179354
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.6	101.4
51	38.6	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 250.000 ug/l

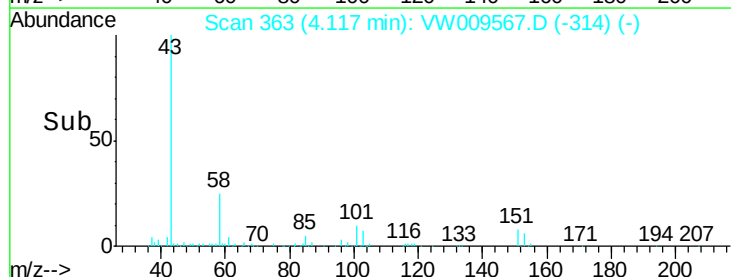
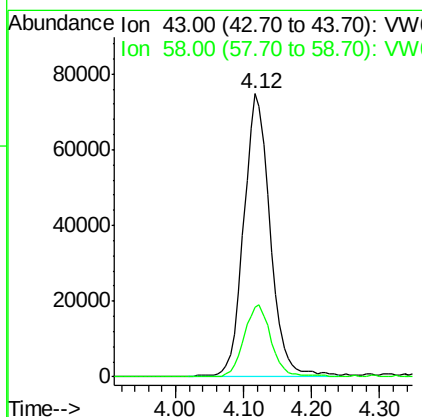
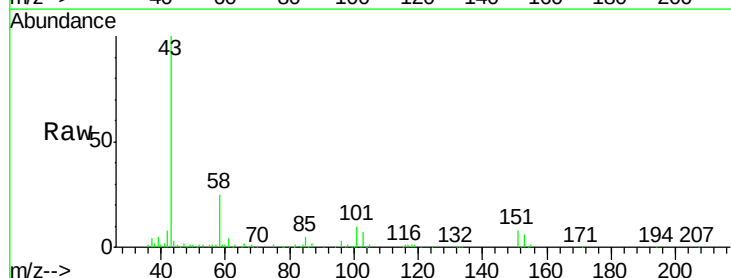
RT: 4.12 min Scan# 363

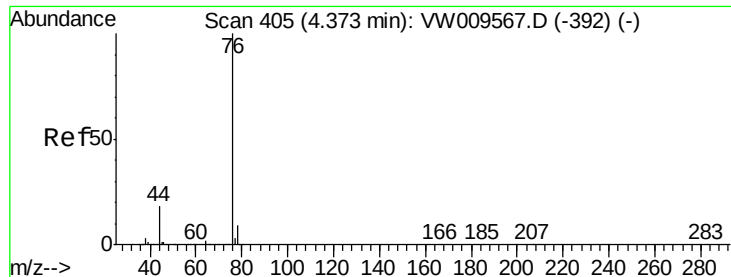
Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Tgt Ion:	43	Resp:	200766
Ion	Ratio	Lower	Upper
43	100		
58	24.6	23.6	35.4





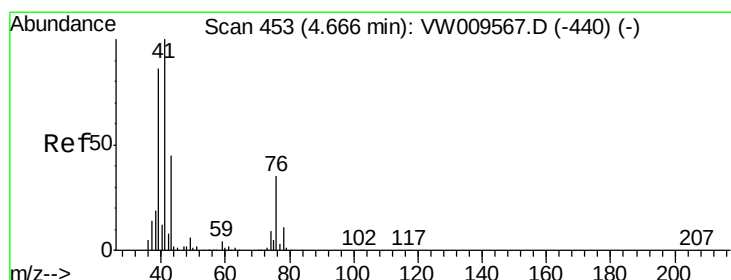
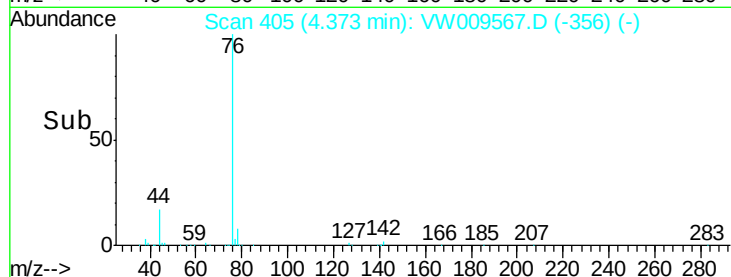
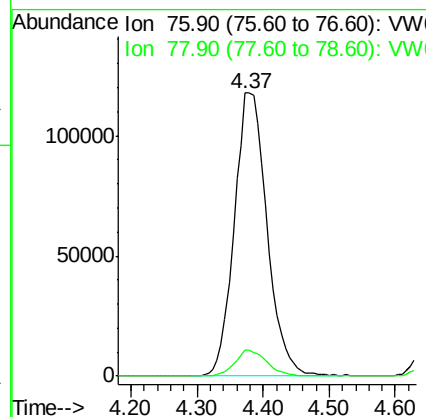
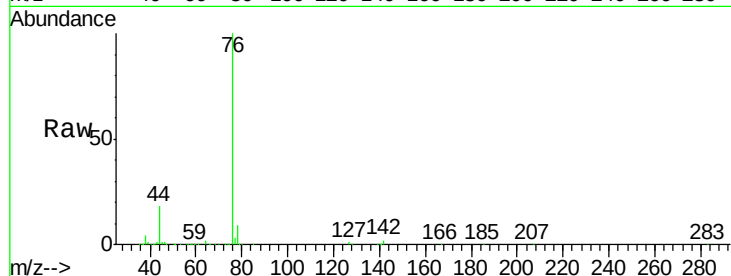
#17
Carbon Disulfide
Concen: 50.000 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

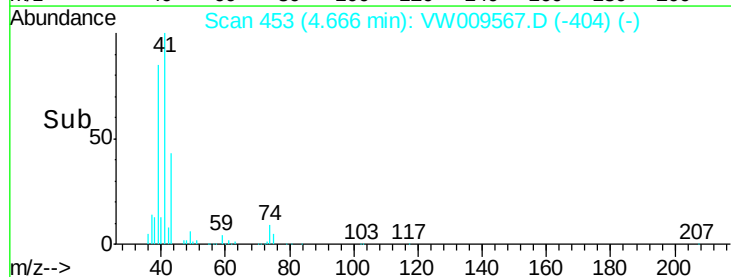
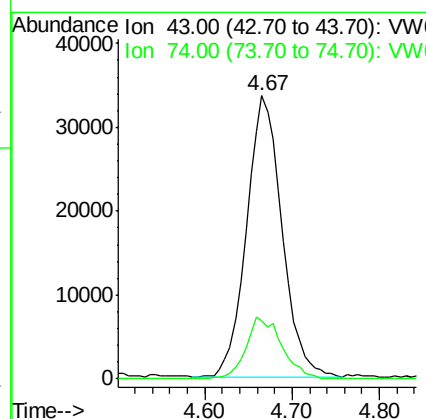
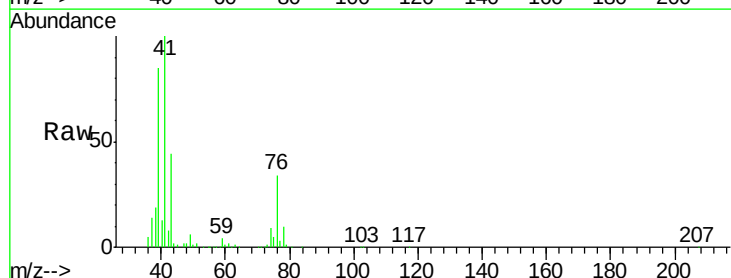
Manual Integrations
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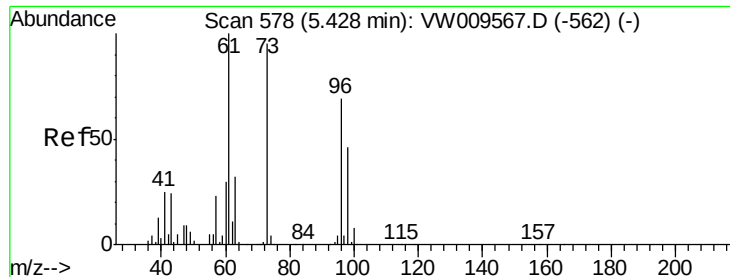
MMDadoda
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#18
Methyl Acetate
Concen: 50.000 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.7	26.5





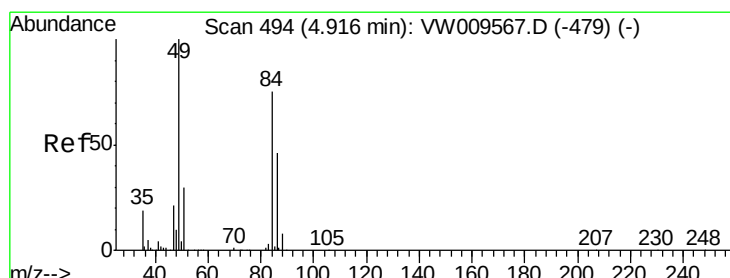
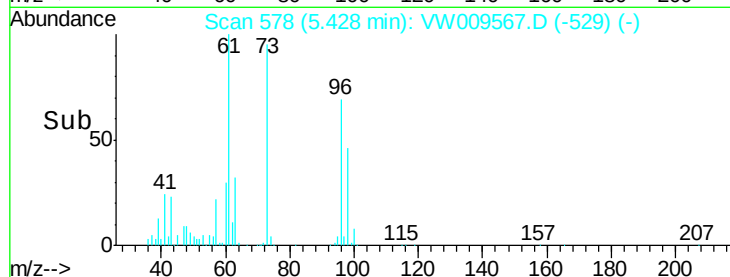
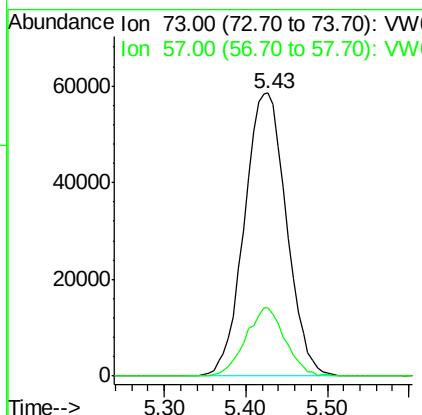
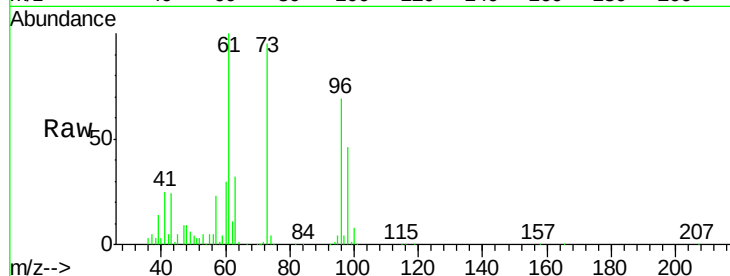
#19
Methyl tert-butyl Ether
Concen: 50.000 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 209720
Ion Ratio Lower Upper
73 100
57 24.1 17.0 25.6

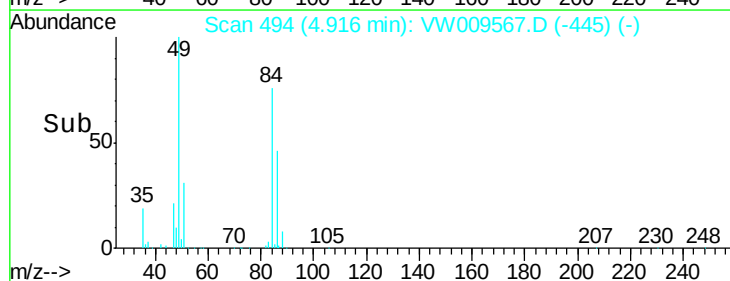
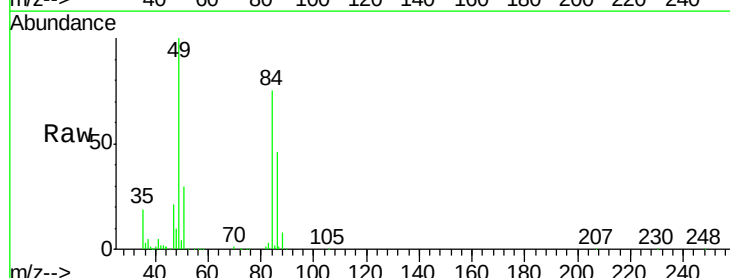
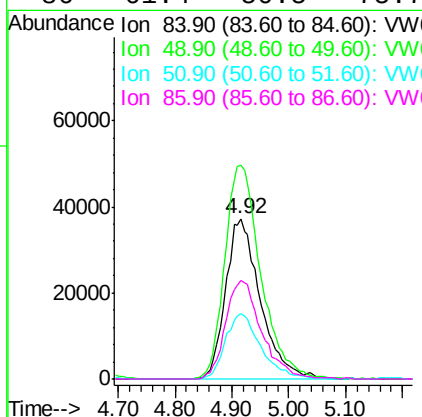
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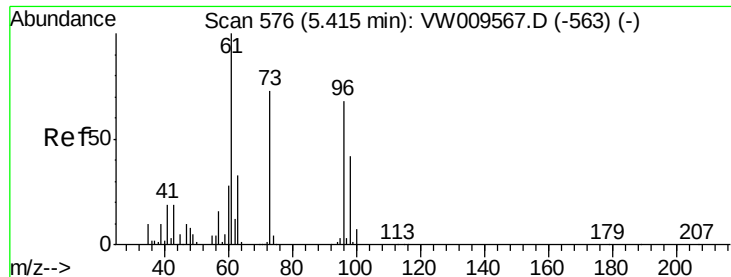
MMDadoda
4/1/2019 4:04:46 AM



#20
Methylene Chloride
Concen: 50.000 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion: 84 Resp: 158427
Ion Ratio Lower Upper
84 100
49 133.4 99.1 148.7
51 40.7 28.7 43.1
86 61.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 50.000 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

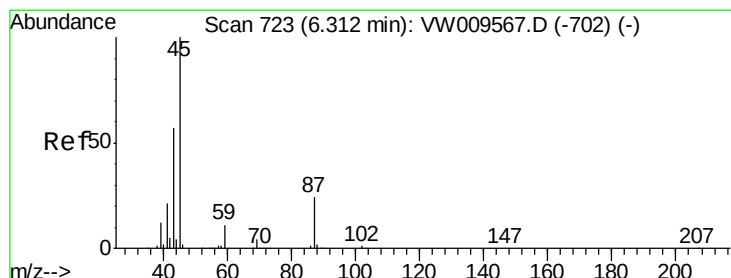
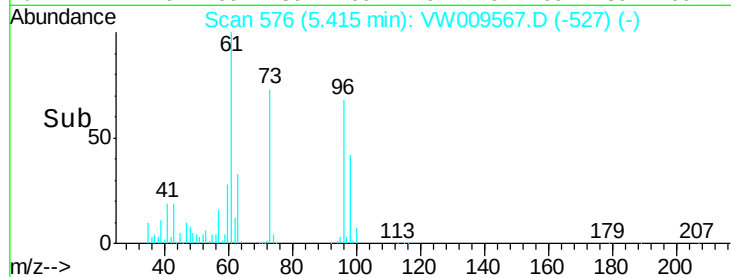
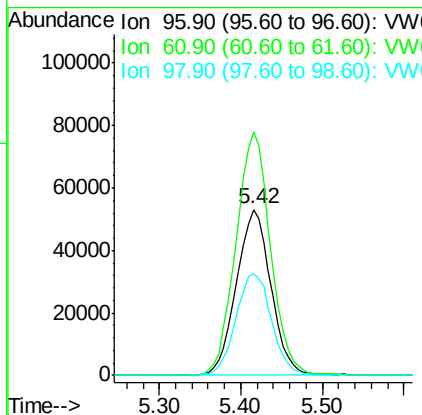
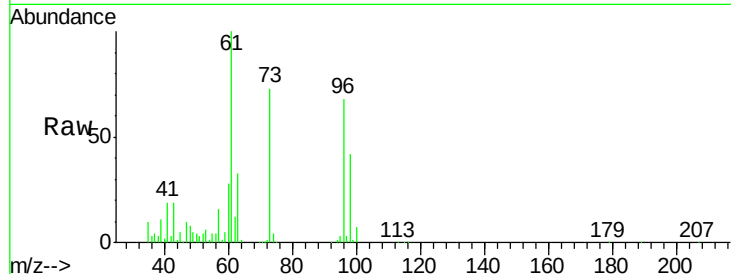
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	155988
Ion	Ratio	Lower	Upper
96	100		
61	146.8	108.2	162.4
98	61.3	50.9	76.3

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#22

Diisopropyl ether

Concen: 50.000 ug/l

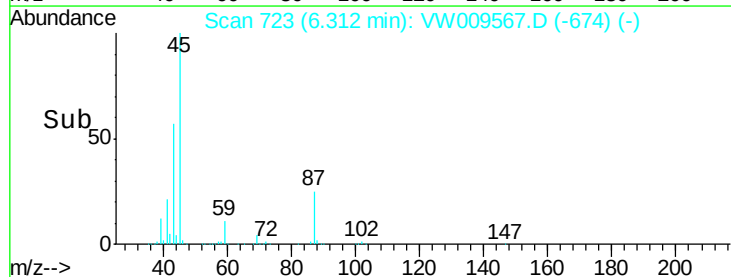
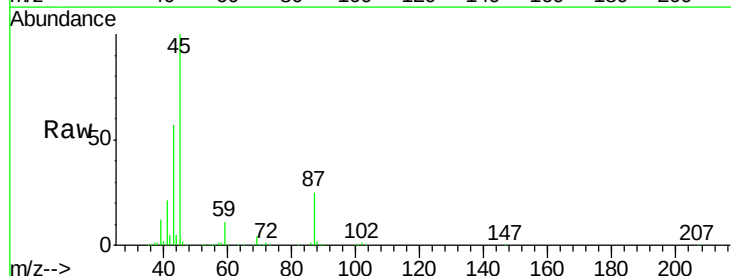
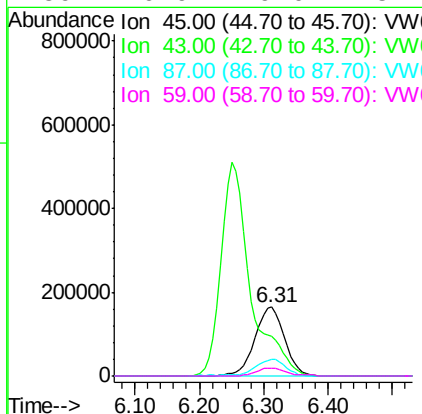
RT: 6.31 min Scan# 723

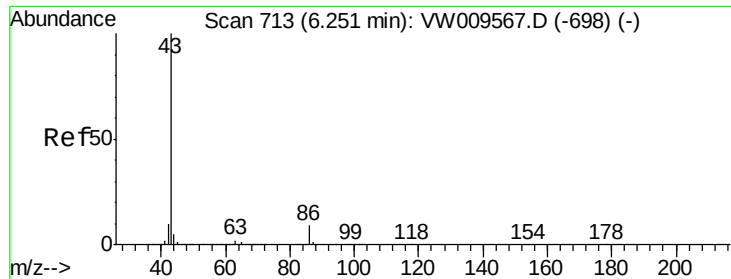
Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Tgt Ion:	45	Resp:	523040
Ion	Ratio	Lower	Upper
45	100		
43	57.1	47.9	71.9
87	24.8	20.6	30.8
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 250.000 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1648114

Ion Ratio Lower Upper

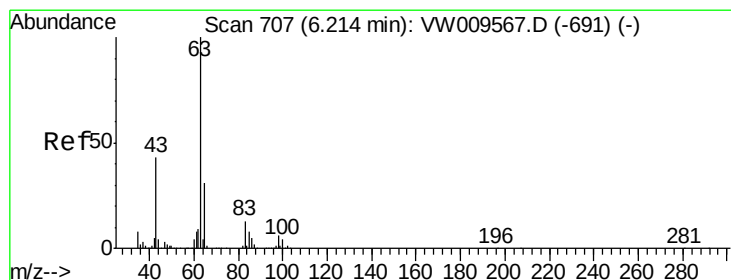
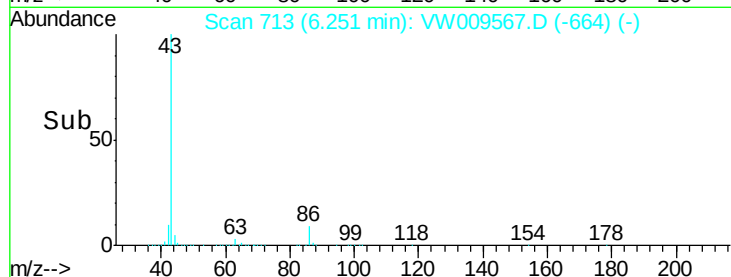
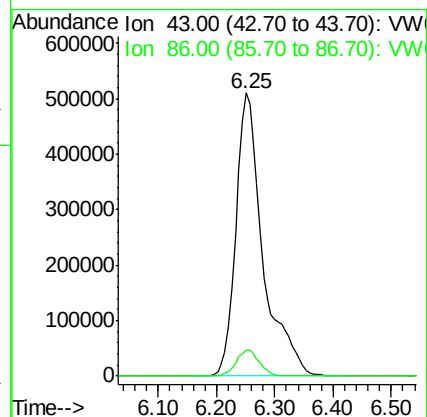
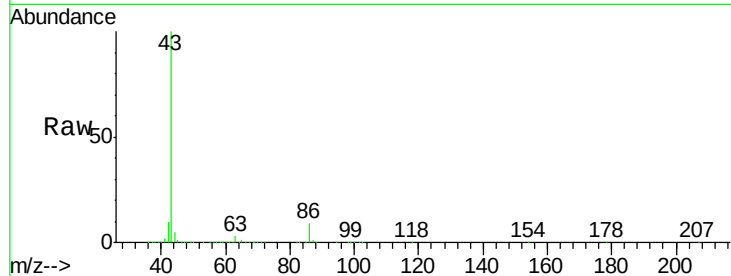
43 100

86 9.1 7.7 11.5

Manual Integrations
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4/1/2019 4:04:46 AM



#24

1,1-Dichloroethane

Concen: 50.000 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

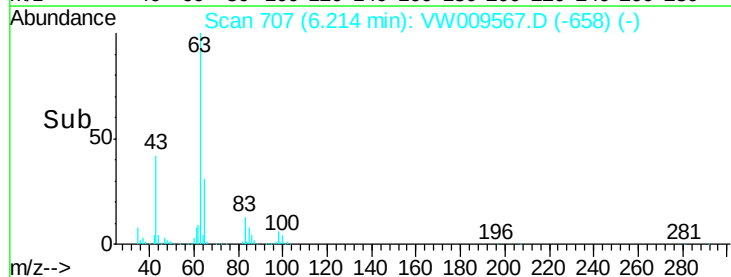
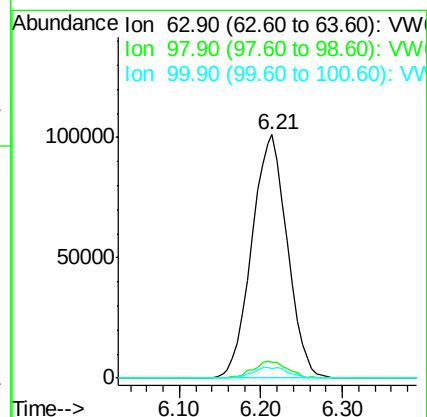
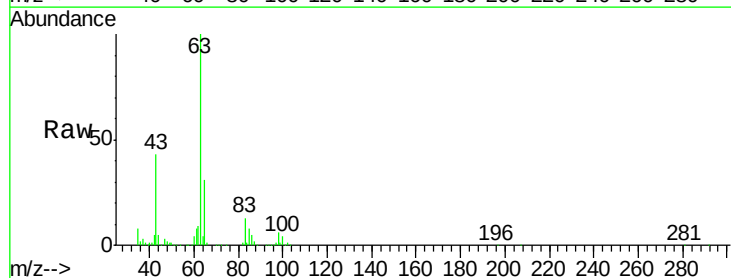
Tgt Ion: 63 Resp: 306442

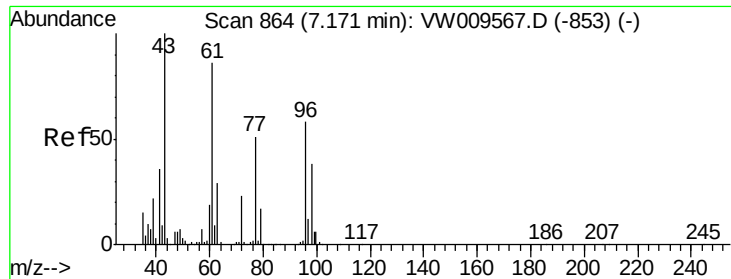
Ion Ratio Lower Upper

63 100

98 6.4 3.7 11.1

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 250.000 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 273334

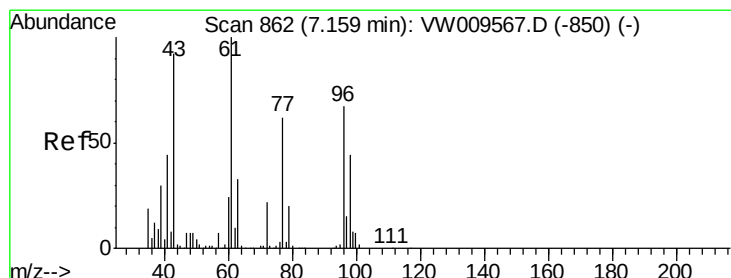
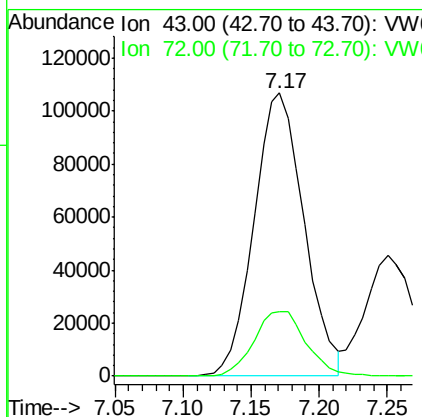
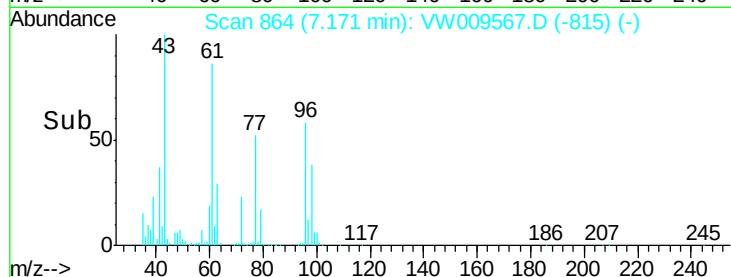
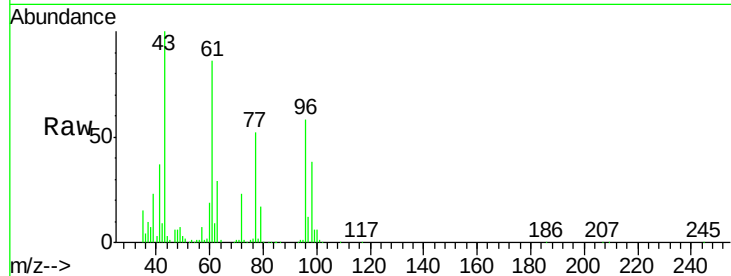
Ion Ratio Lower Upper

43 100

72 23.0 20.0 30.0

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:46 AM



#26

2,2-Dichloropropane

Concen: 50.000 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009567.D

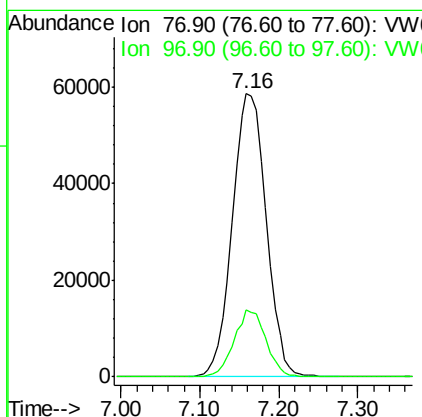
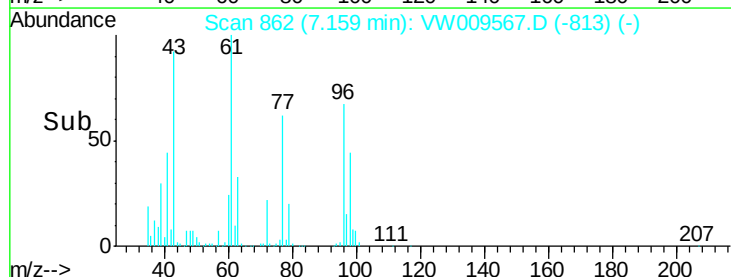
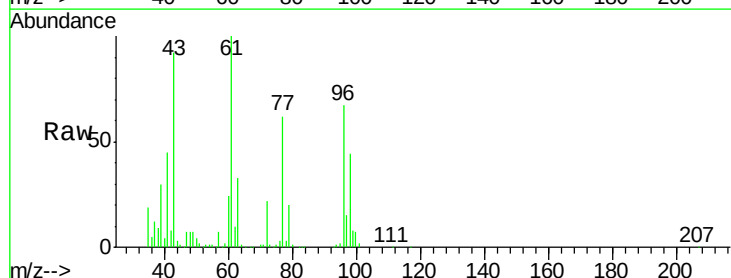
Acq: 29 Mar 2019 11:15

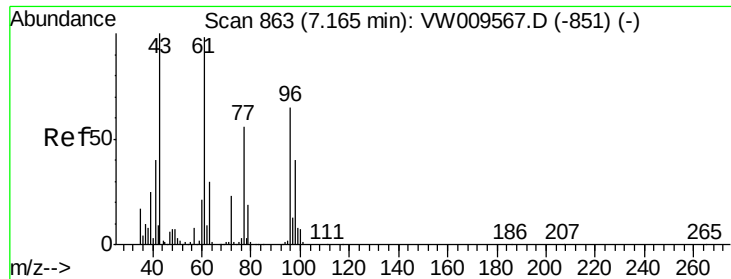
Tgt Ion: 77 Resp: 175328

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

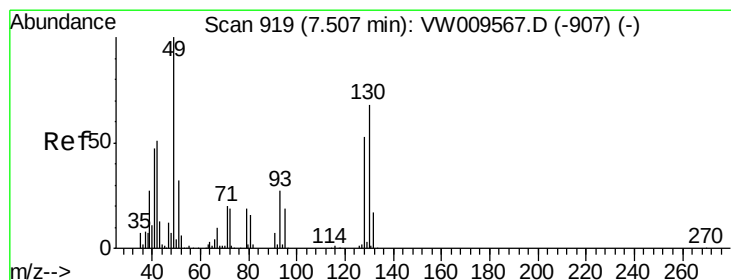
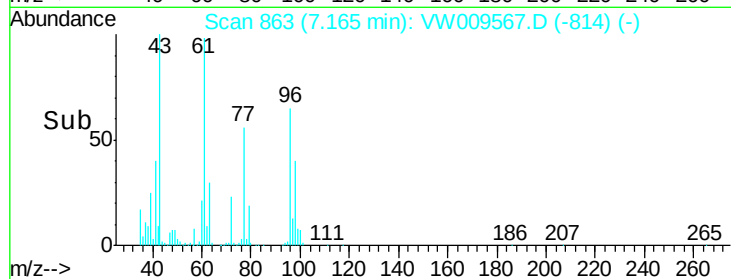
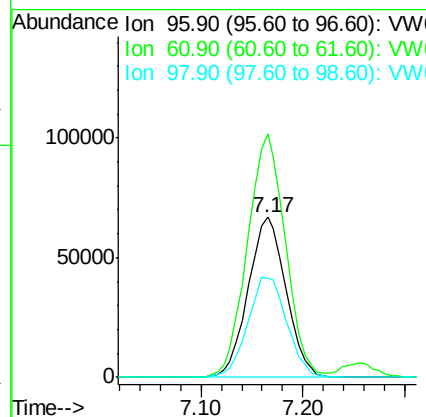
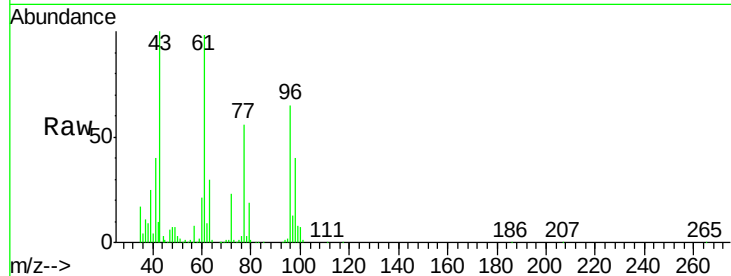
cis-1,2-Dichloroethene
 Concen: 50.000 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	289.8
98	64.7	0.0	130.8

Manual Integrations
 APPROVED

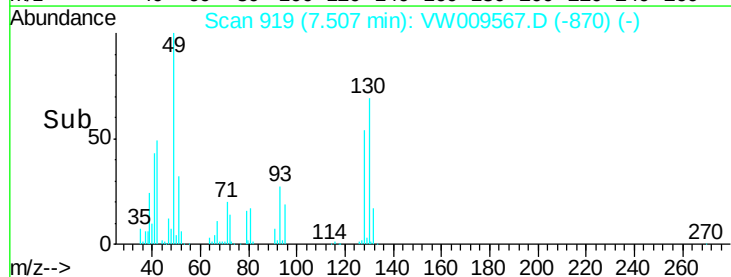
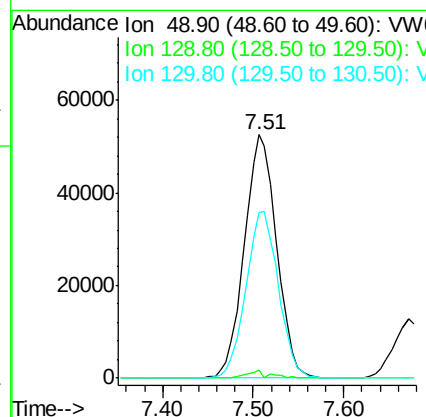
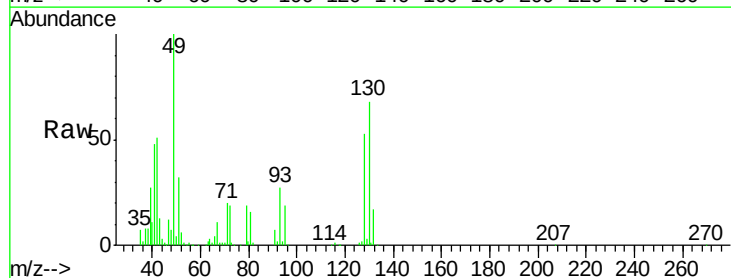
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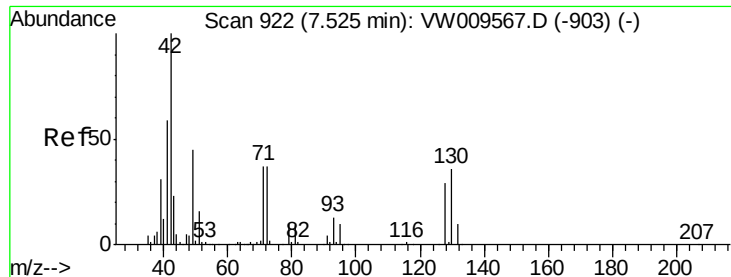


#28

Bromochloromethane
 Concen: 50.000 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4#
130	69.1	58.6	88.0





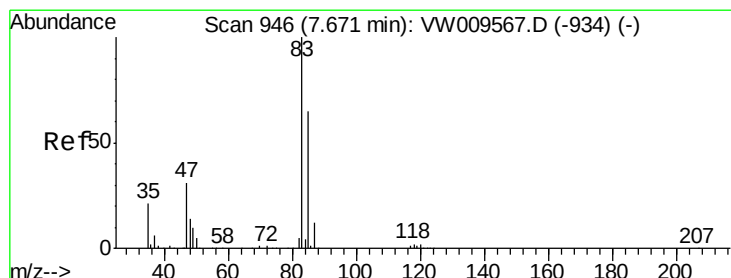
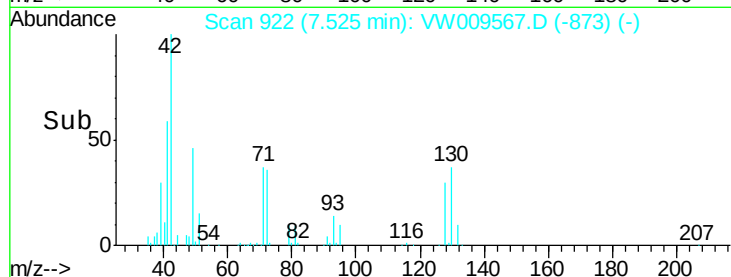
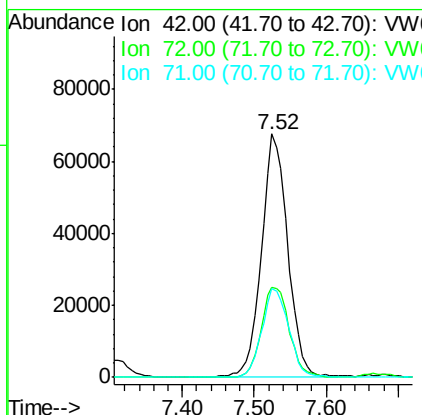
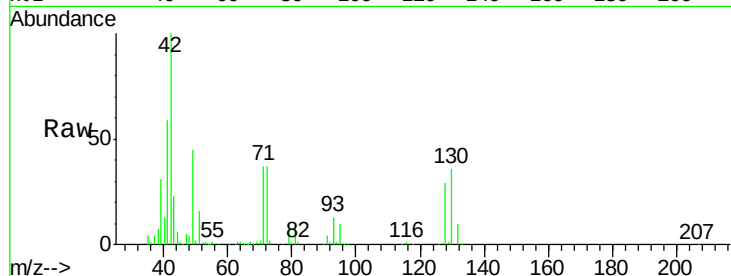
#29
Tetrahydrofuran
Concen: 250.000 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.4	48.6
71	37.3	30.1	45.1

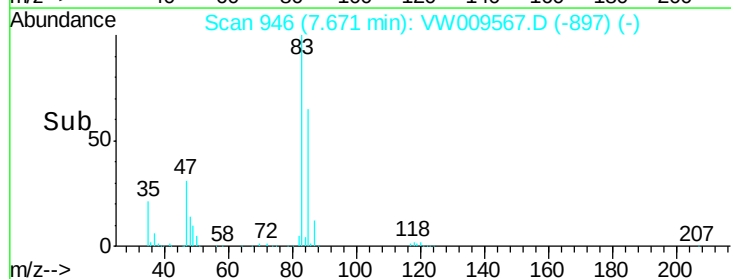
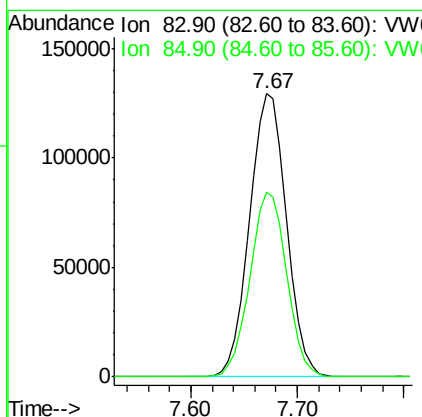
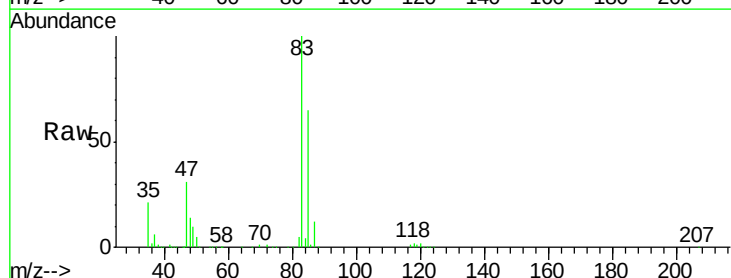
Manual Integrations
APPROVED

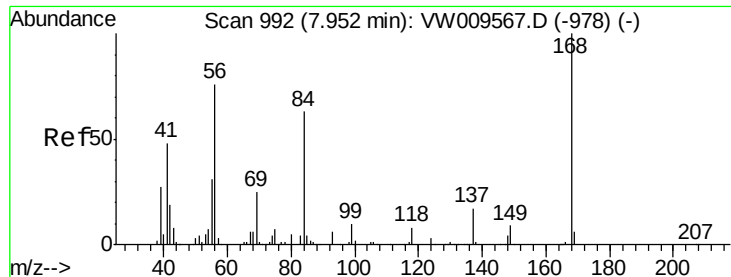
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4/1/2019 4:04:46 AM



#30
Chloroform
Concen: 50.000 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.6





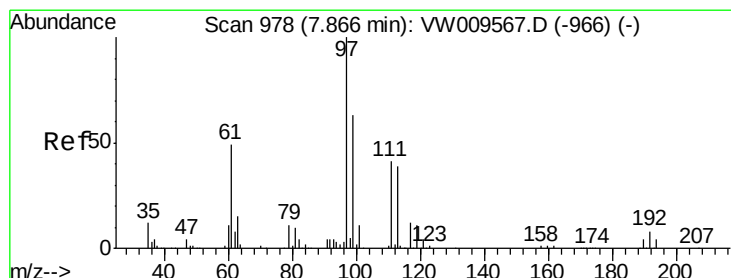
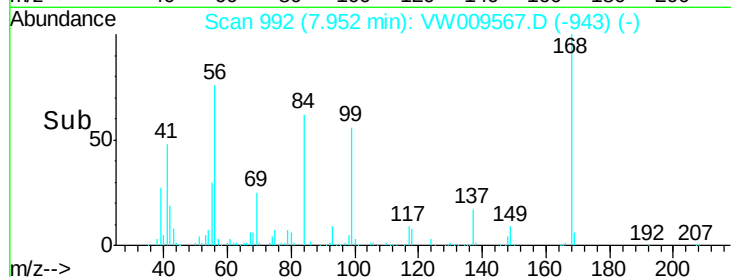
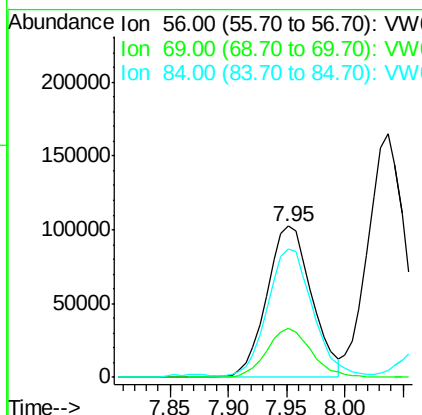
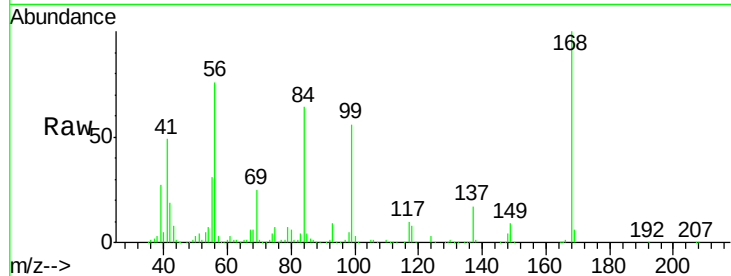
#31
Cyclohexane
Concen: 50.000 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.1	39.1
84	83.2	68.6	103.0

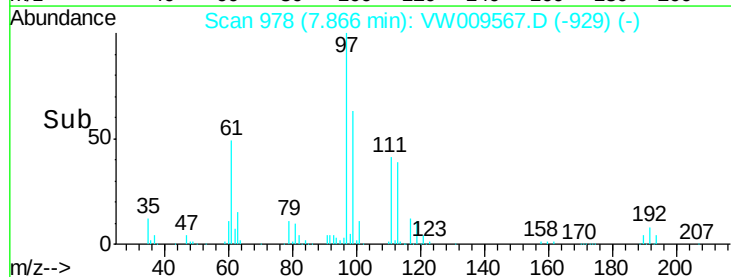
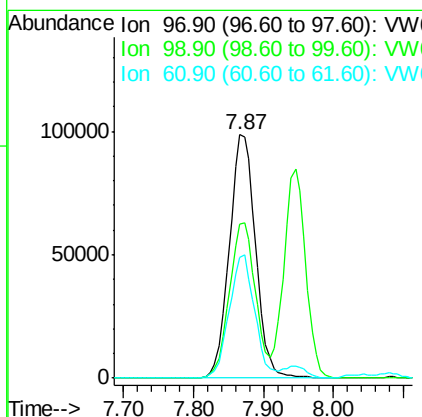
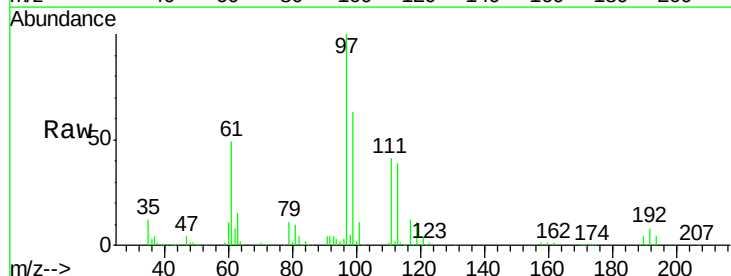
Manual Integrations
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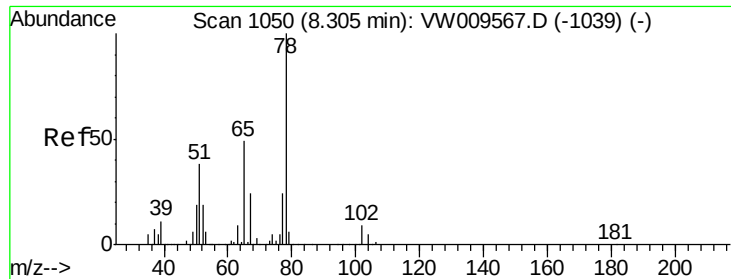
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4/1/2019 4:04:46 AM



#32
1,1,1-Trichloroethane
Concen: 50.000 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	49.2	36.8	55.2





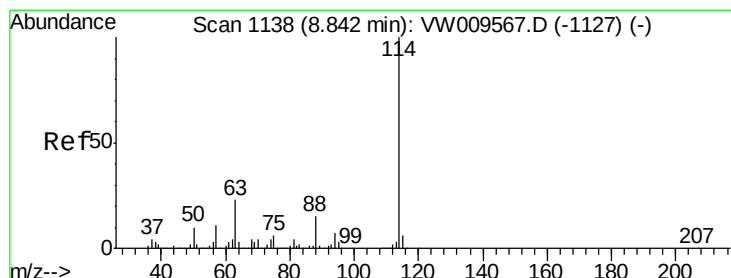
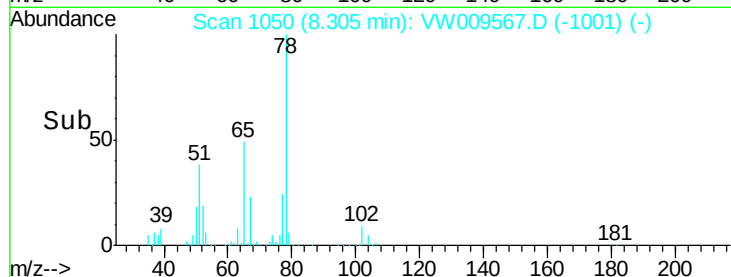
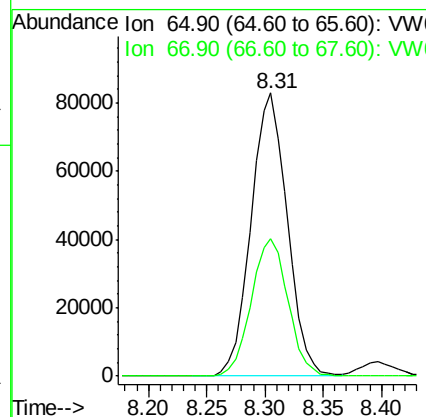
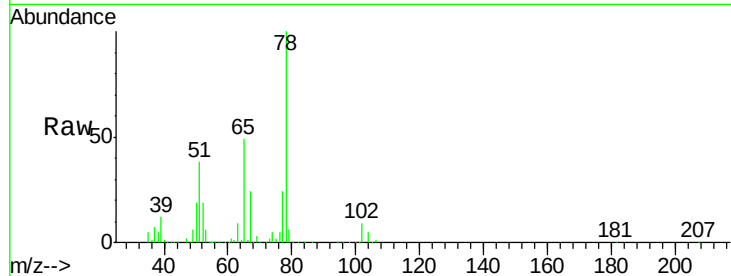
#33
 1,2-Dichloroethane-d4
 Concen: 50.000 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180451		
67	49.2	0.0	102.4	

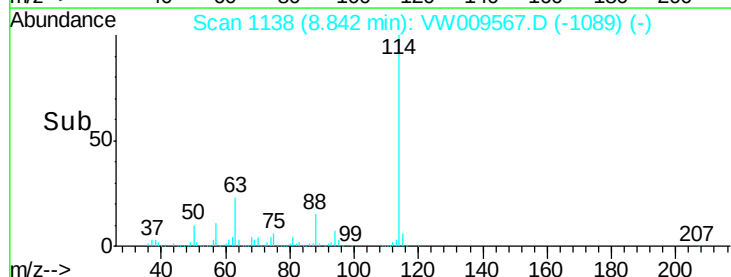
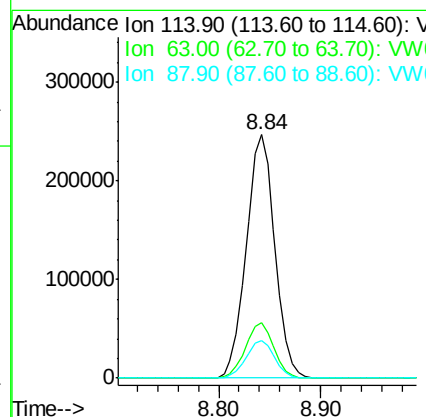
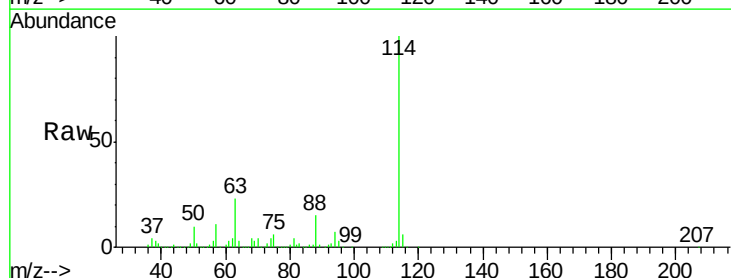
Manual Integrations
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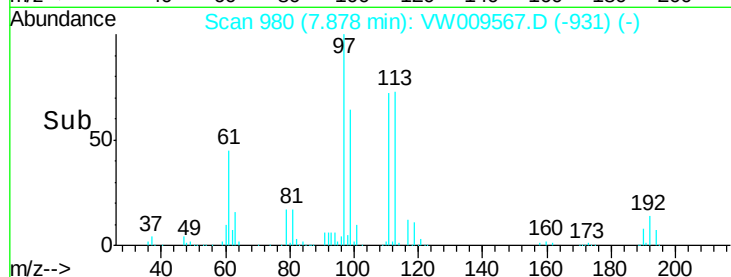
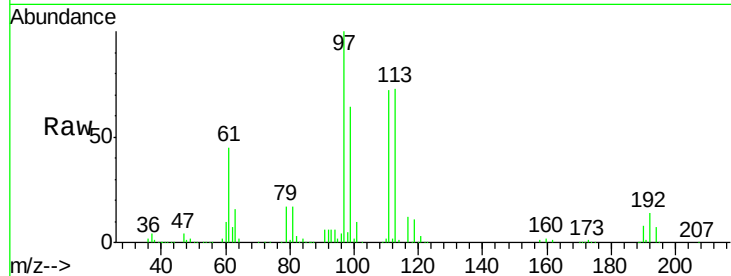
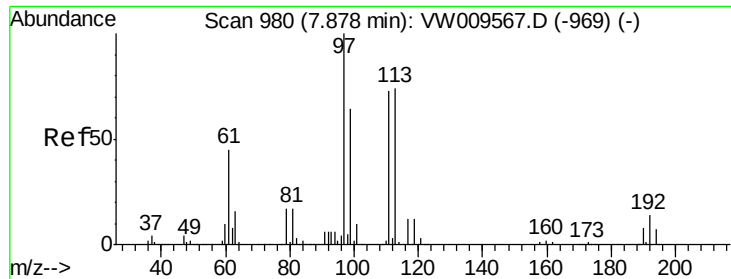
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478215		
63	22.6	0.0	42.2	
88	15.3	0.0	30.8	





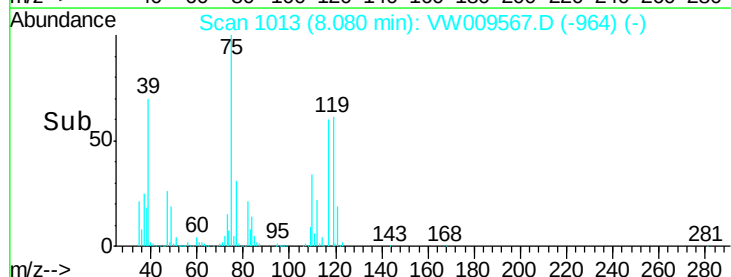
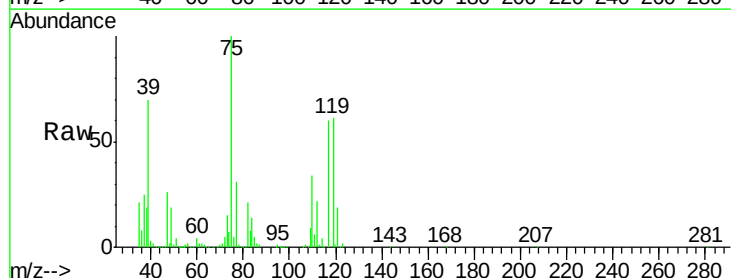
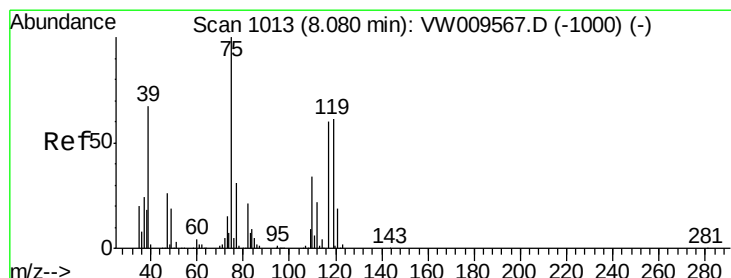
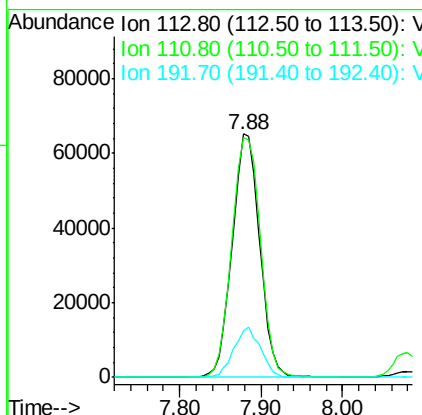
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150946		
111	103.4	82.6	124.0	
192	20.2	16.4	24.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

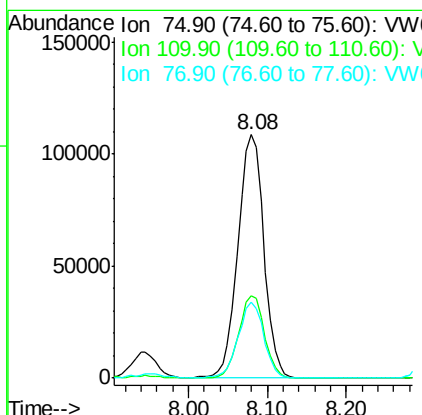
Manual Integrations
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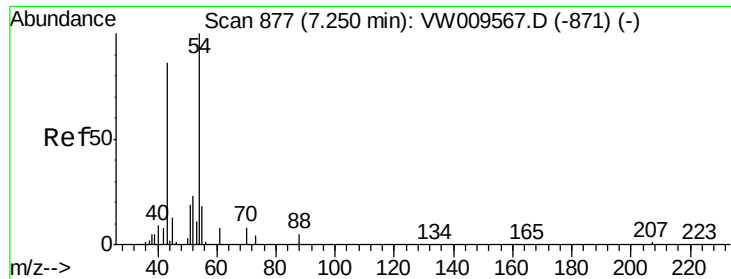
MMDadoda
4/1/2019 4:04:46 AM



#36
1,1-Dichloropropene
Concen: 50.000 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248872		
110	33.6	16.8	50.4	
77	31.0	24.6	36.8	





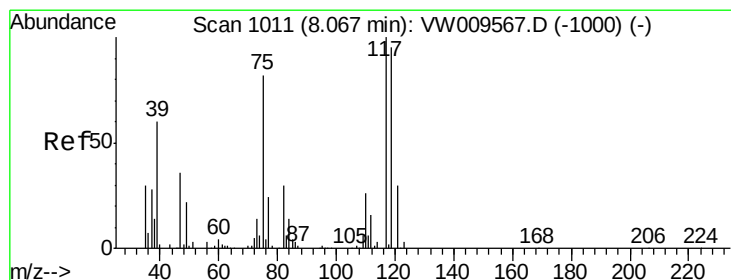
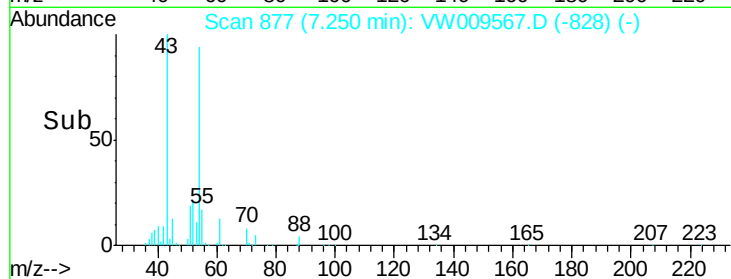
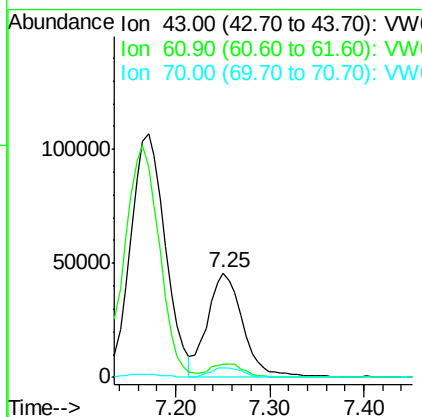
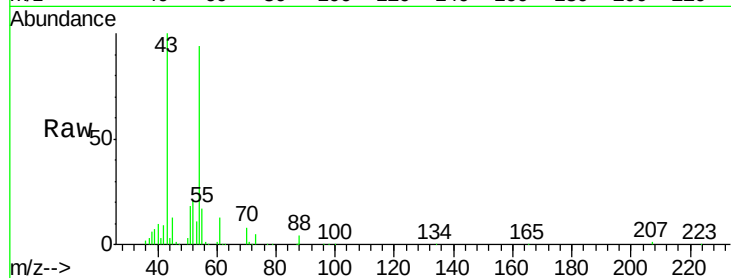
#37
Ethyl Acetate
Concen: 50.000 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.0	15.0
70	8.8	7.3	10.9

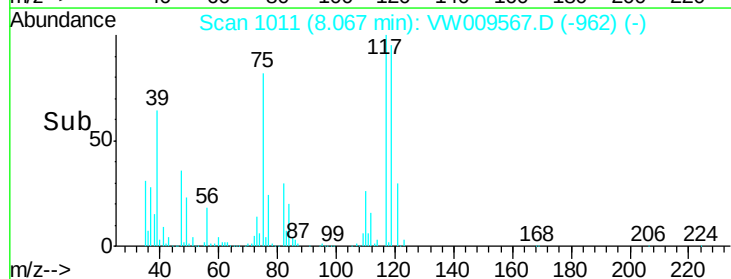
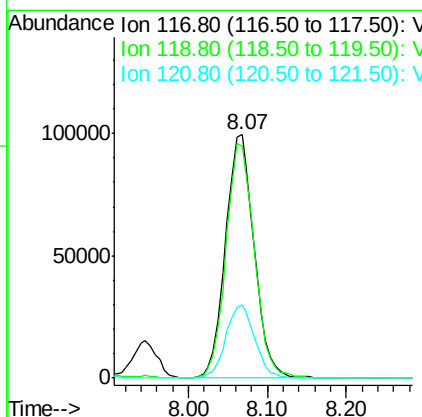
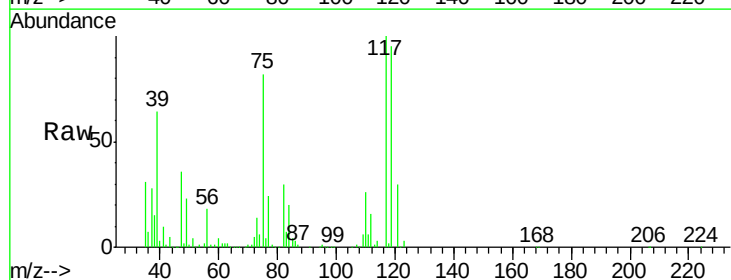
Manual Integrations
APPROVED

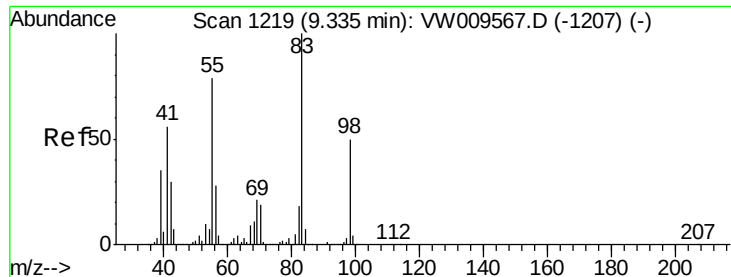
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#38
Carbon Tetrachloride
Concen: 50.000 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.4	113.0
121	30.1	24.9	37.3





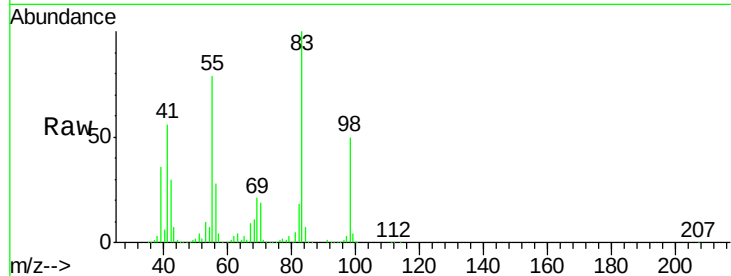
#39
Methylvlcyclohexane
Concen: 50.000 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

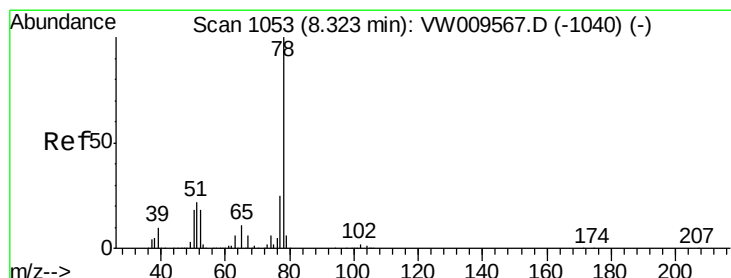
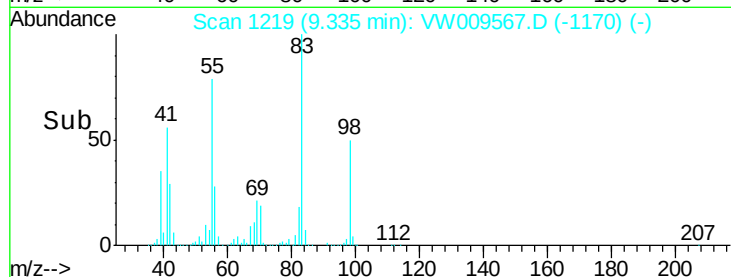
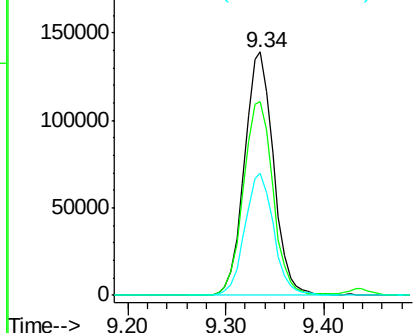
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	61.1	91.7
98	50.3	39.0	58.4

Manual Integrations
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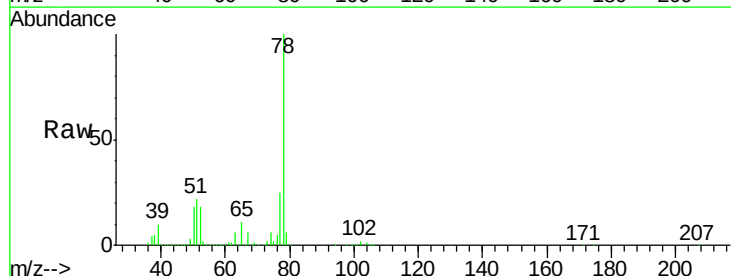


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

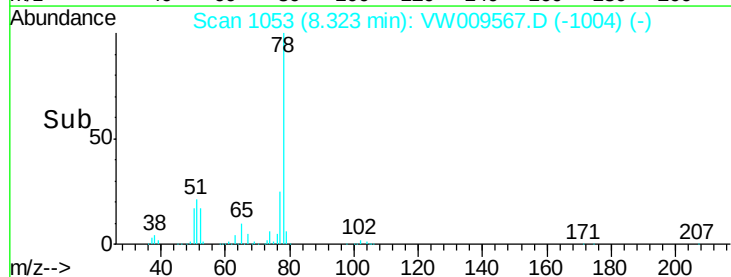
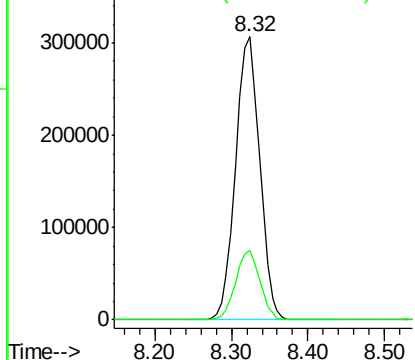


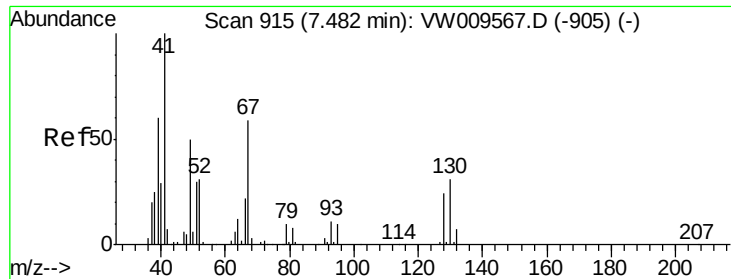
#40
Benzene
Concen: 50.000 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





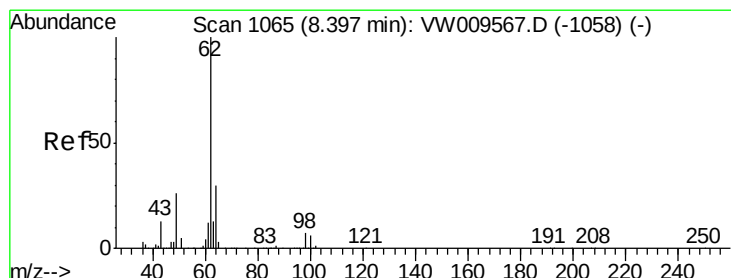
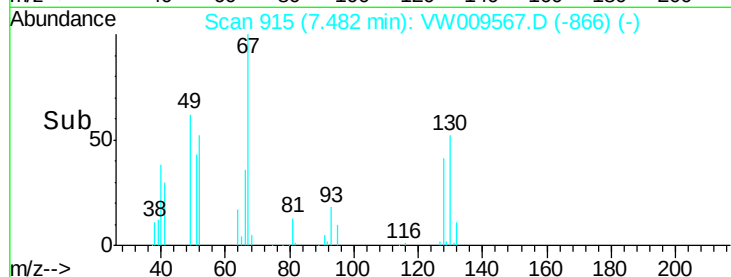
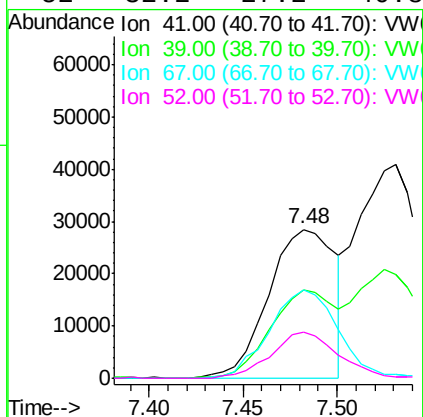
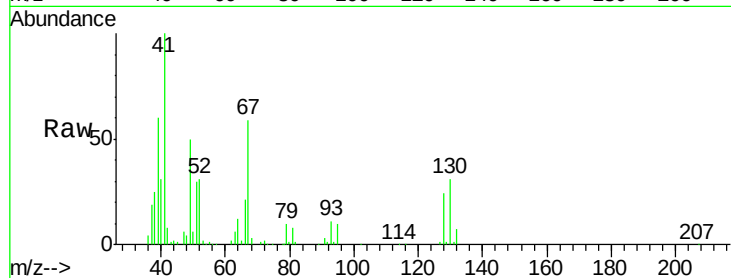
#41
Methacrylonitrile
Concen: 50.000 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.5	52.5	78.7	
67	61.9	56.6	84.8	
52	32.2	27.2	40.8	

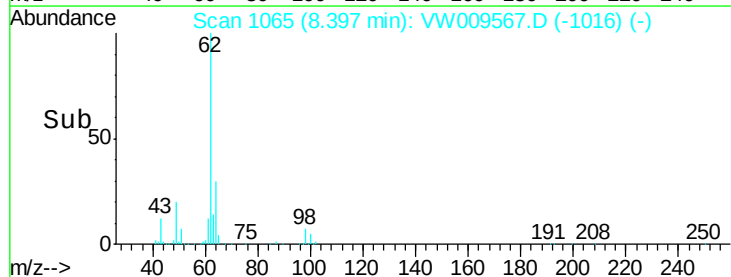
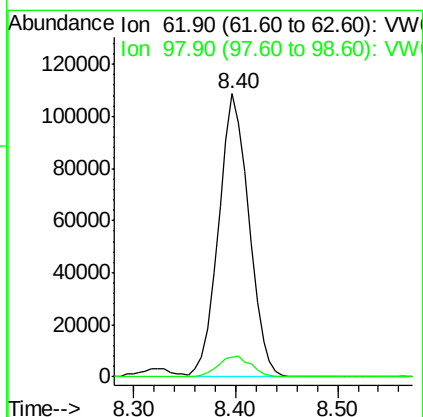
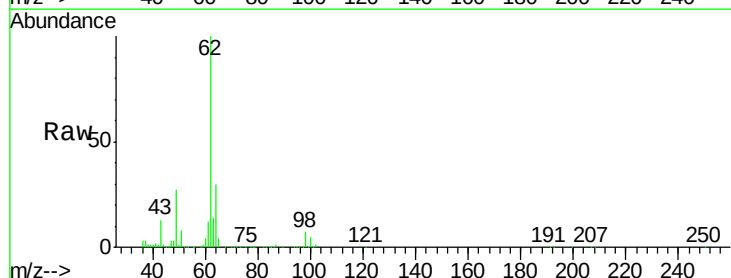
Manual Integrations
APPROVED

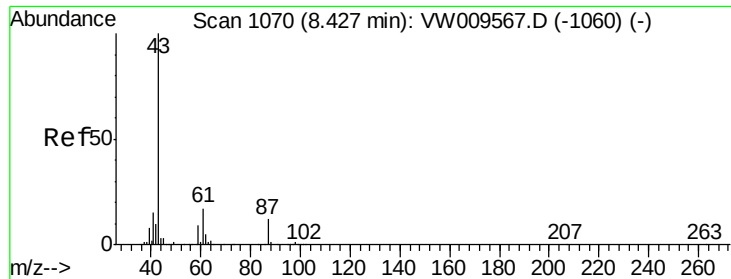
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#42
1,2-Dichloroethane
Concen: 50.000 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	17.4	





#43

Isopropyl Acetate

Concen: 50.000 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

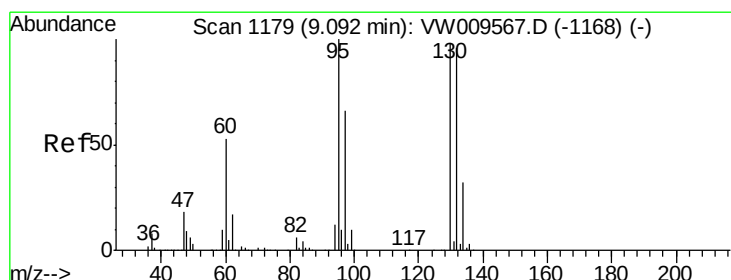
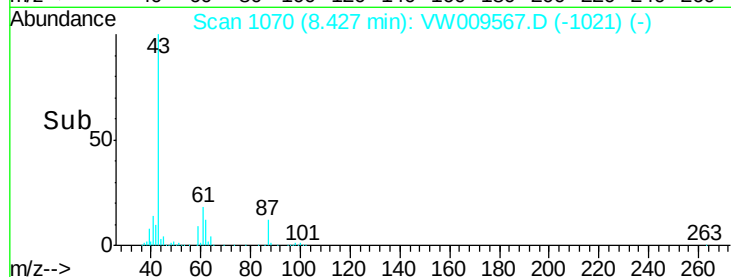
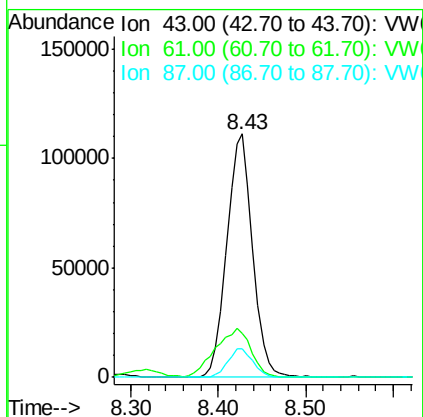
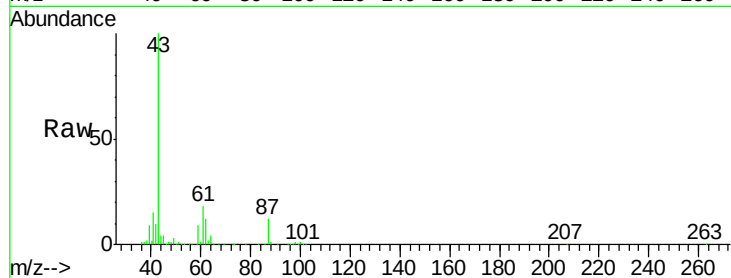
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	226508
Ion	Ratio	Lower	Upper
43	100		
61	27.5	22.2	33.2
87	11.6	9.6	14.4

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#44

Trichloroethene

Concen: 50.000 ug/l

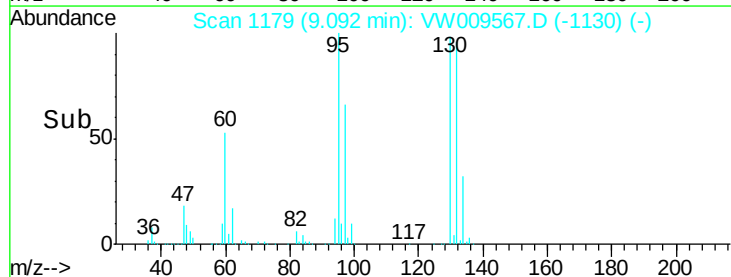
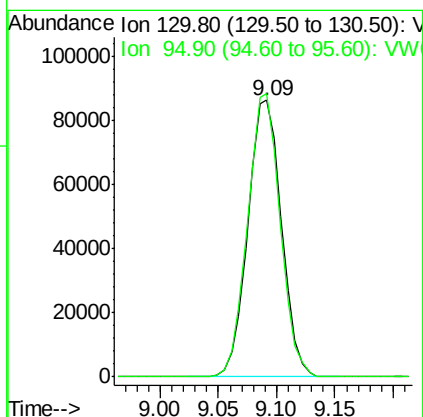
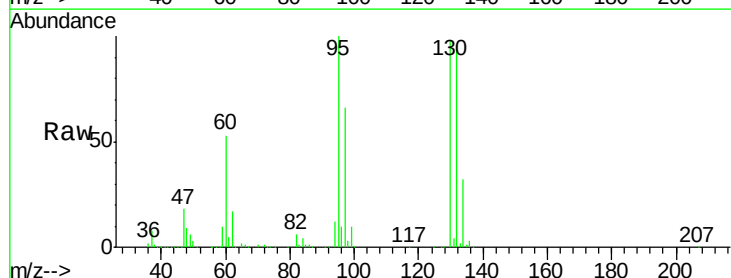
RT: 9.09 min Scan# 1179

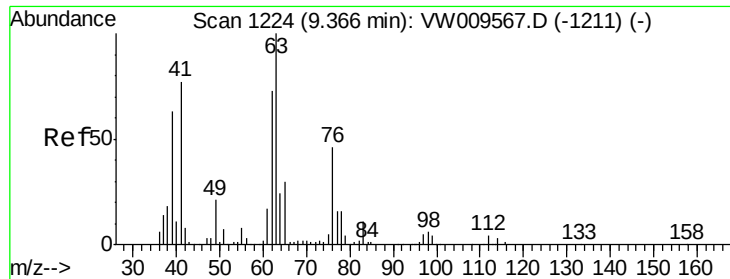
Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Tgt Ion:	130	Resp:	173726
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	192.6





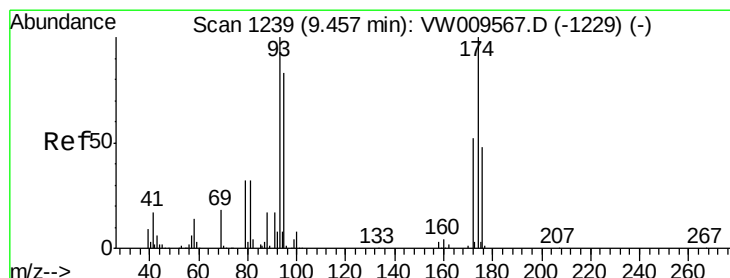
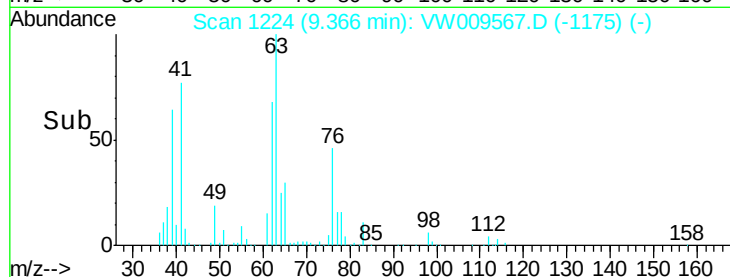
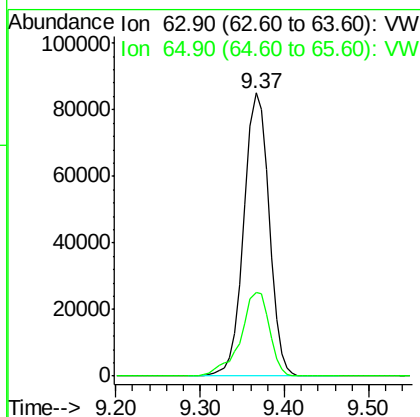
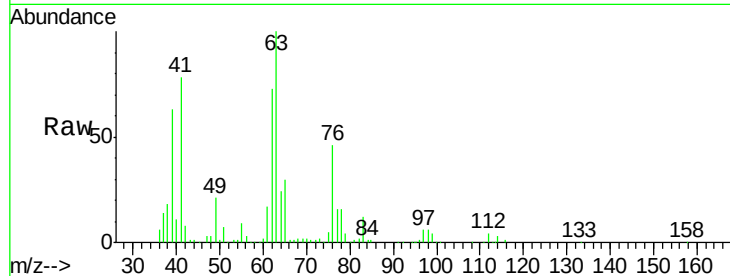
#45
 1,2-Dichloropropane
 Concen: 50.000 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 171630
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.8 38.8

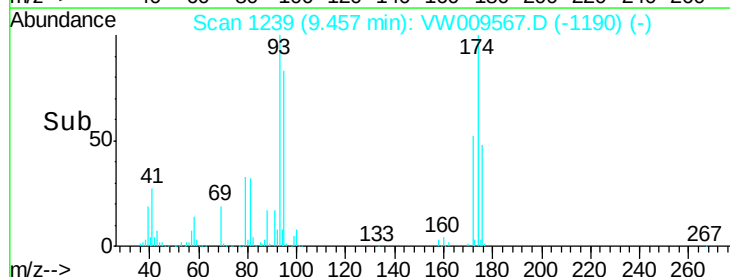
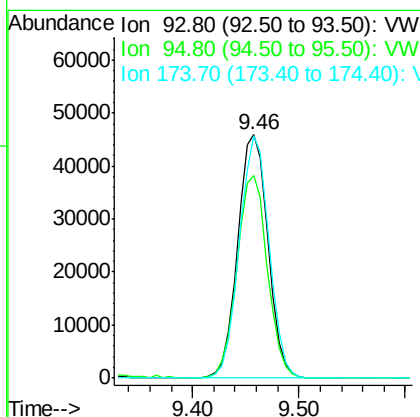
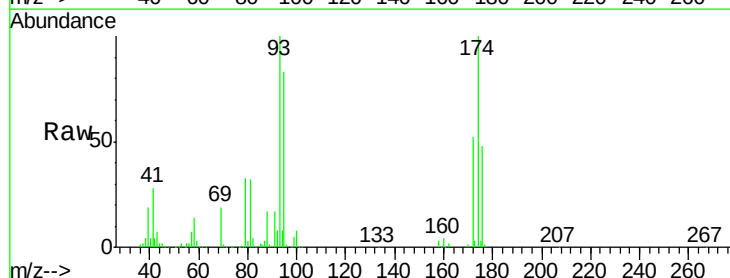
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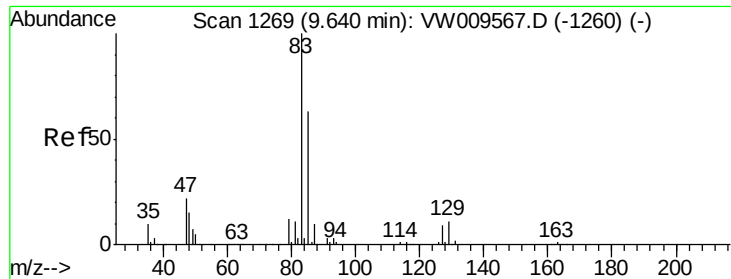
MMDadoda
 4/1/2019 4:04:46 AM



#46
 Dibromomethane
 Concen: 50.000 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Tgt Ion: 93 Resp: 91762
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.9 100.3
 174 97.5 80.8 121.2





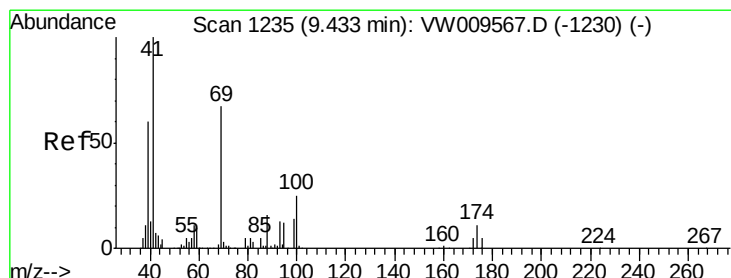
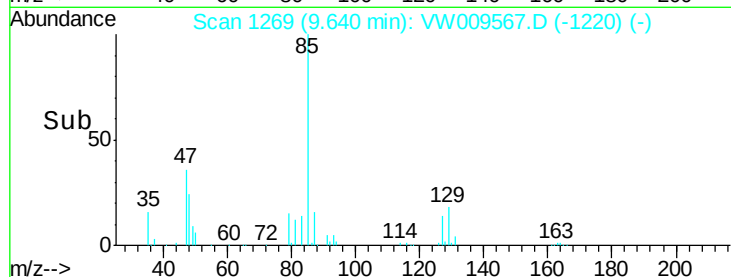
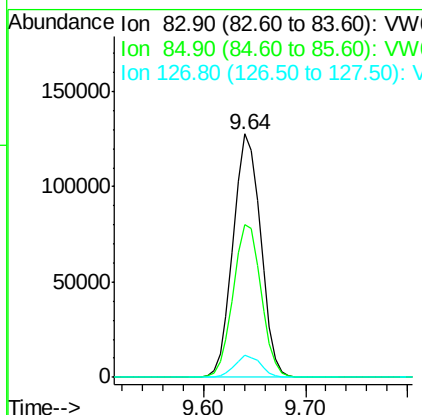
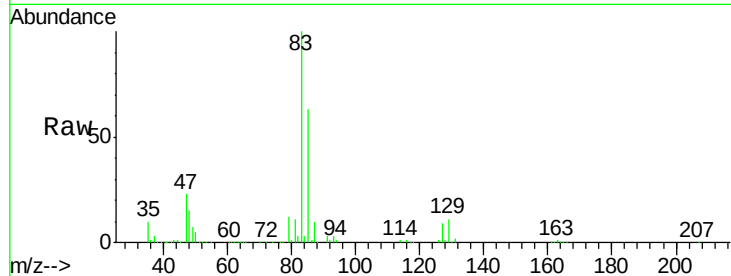
#47
Bromodichloromethane
Concen: 50.000 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	239065		
85	62.8		52.6	79.0
127	9.0		6.5	9.7

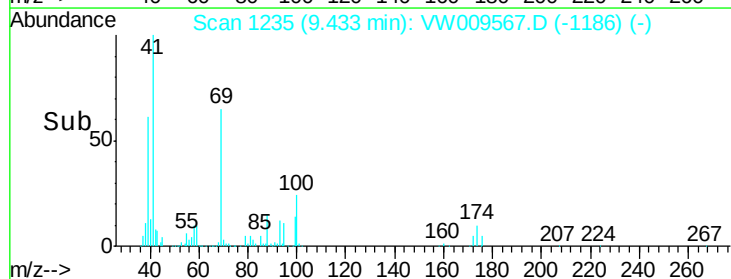
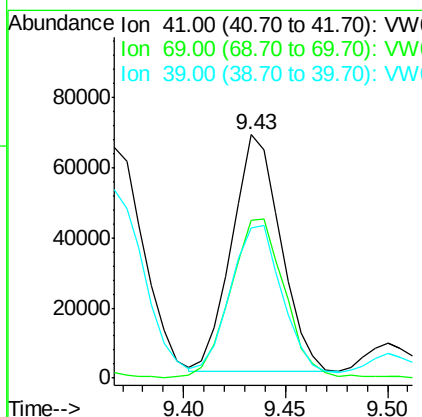
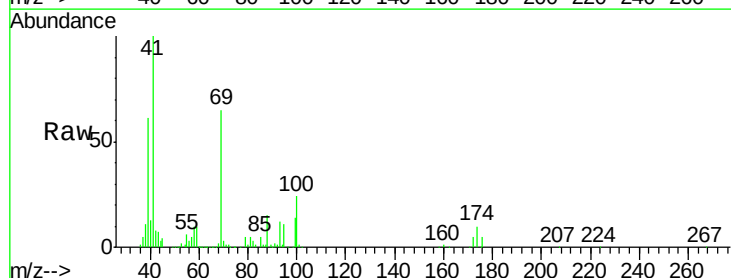
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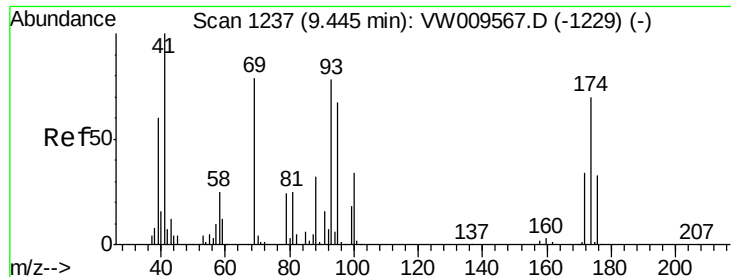
MMDadoda
4/1/2019 4:04:46 AM



#48
Methyl methacrylate
Concen: 50.000 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	112308		
69	74.1		63.0	94.6
39	70.3		57.2	85.8





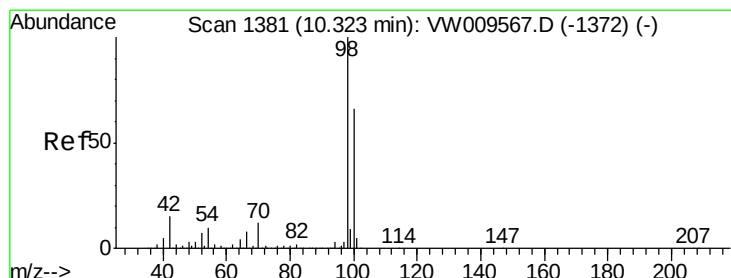
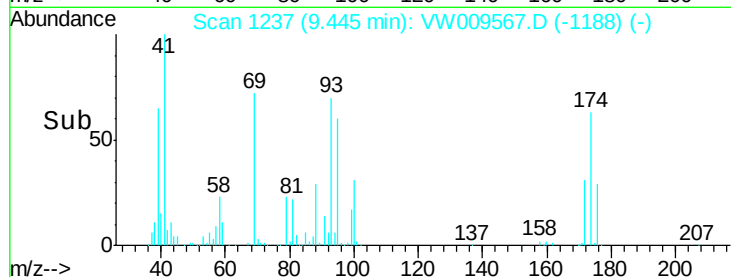
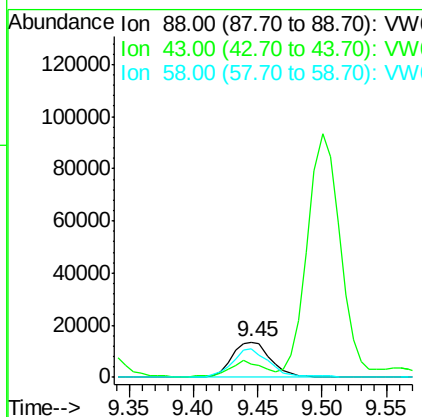
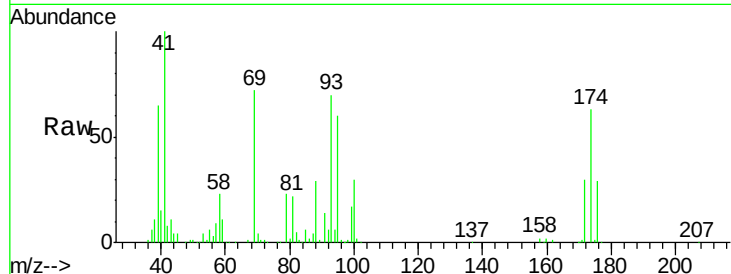
#49
1,4-Dioxane
Concen: 1000.000 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	28376
Ion	Ratio	Lower	Upper
88	100		
43	38.1	29.7	44.5
58	76.6	58.1	87.1

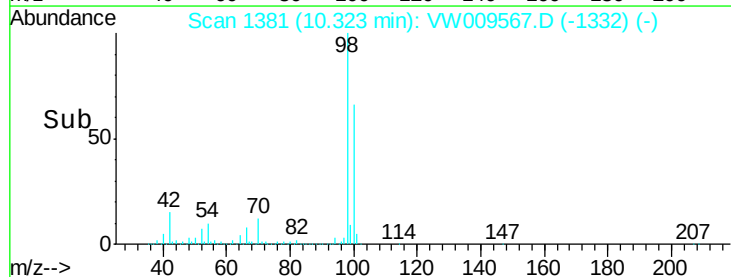
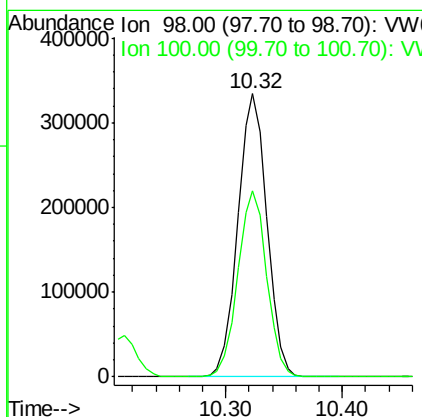
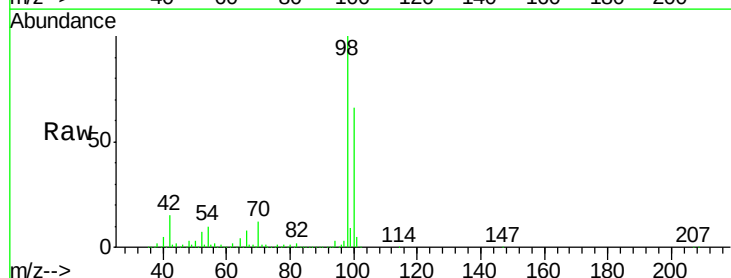
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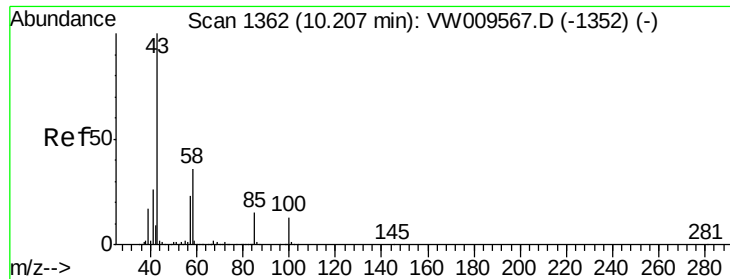
MMDadoda
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#50
Toluene-d8
Concen: 50.000 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	98	Resp	582504
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	79.0





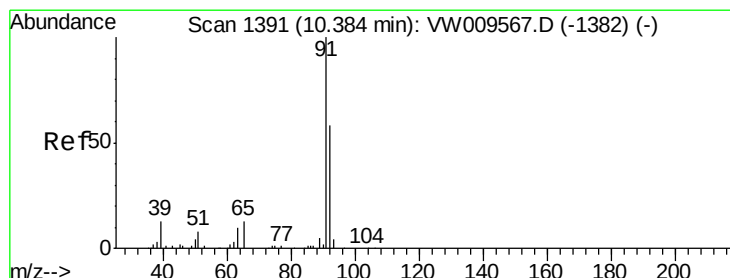
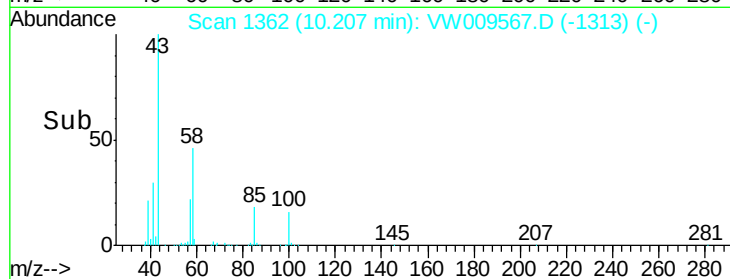
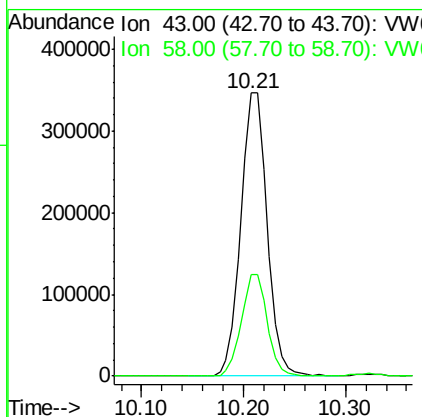
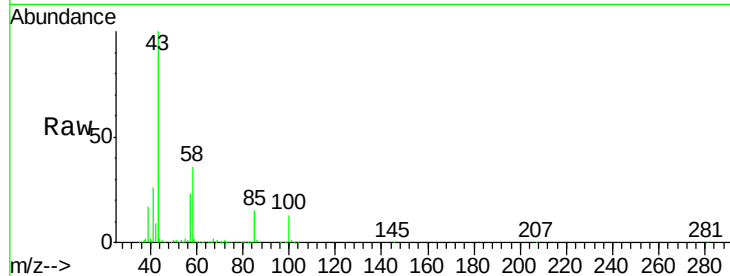
#51
4-Methyl-2-Pentanone
Concen: 250.000 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	42.8

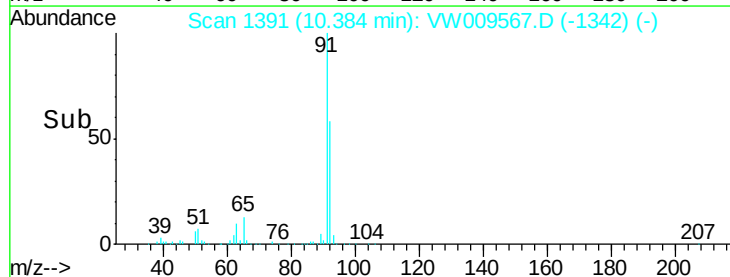
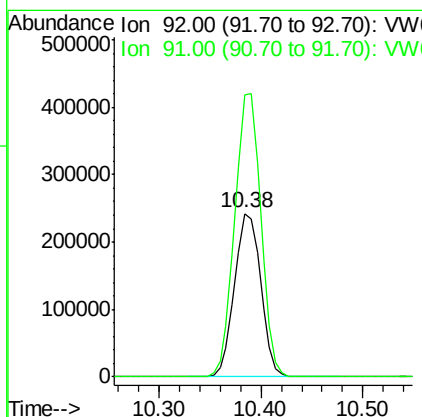
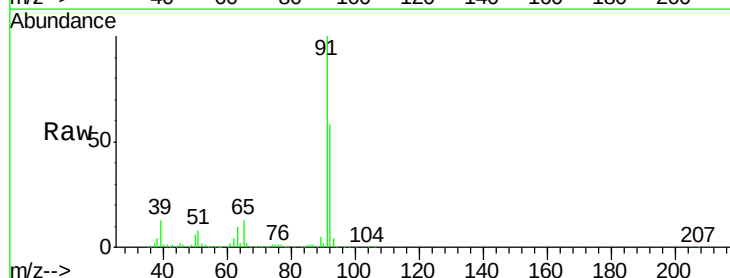
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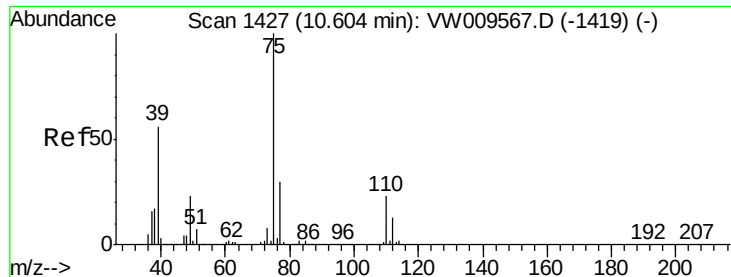
MMDadoda
4/1/2019 4:04:46 AM



#52
Toluene
Concen: 50.000 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	140.1	210.1





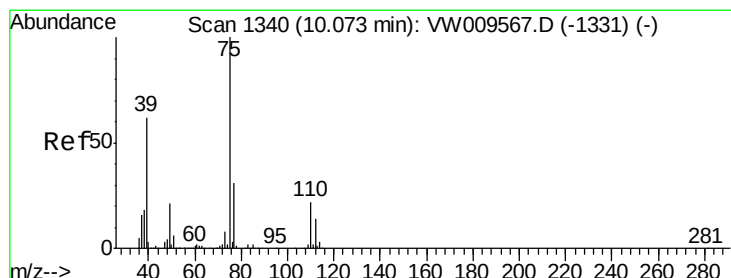
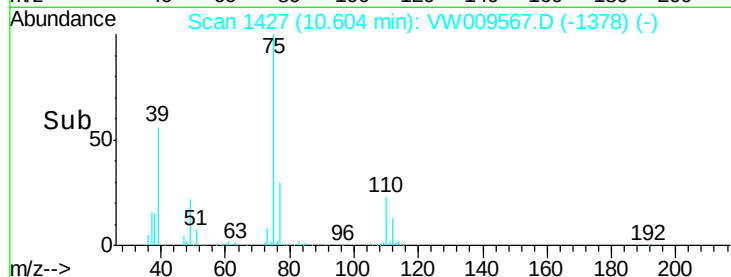
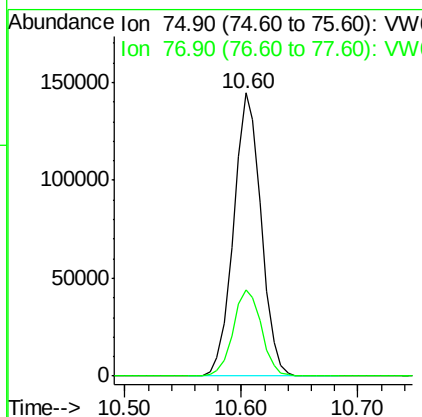
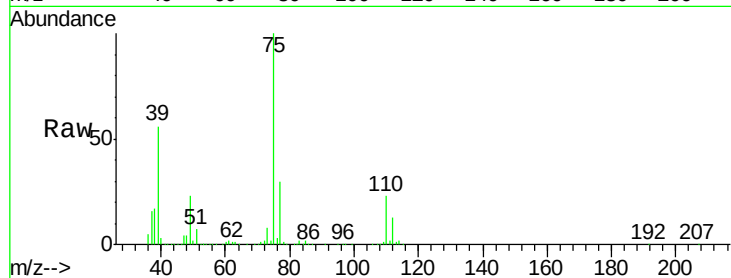
#53
t-1,3-Dichloropropene
Concen: 50.000 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.8	37.2

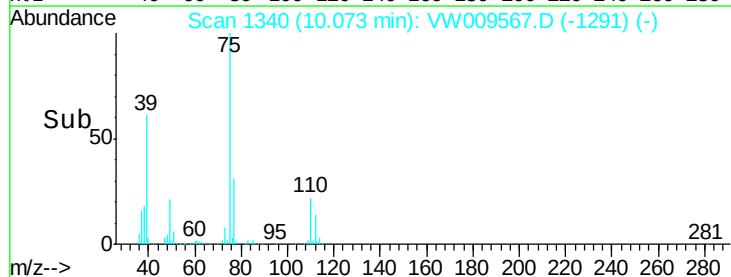
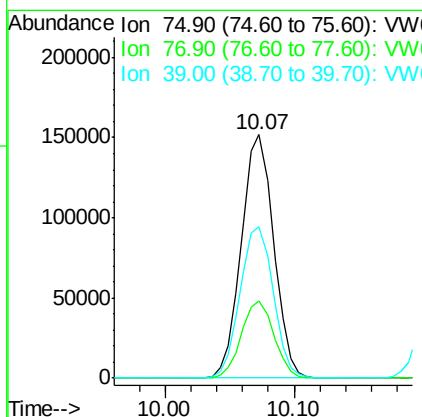
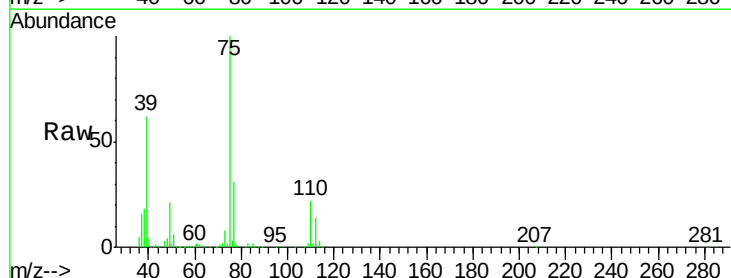
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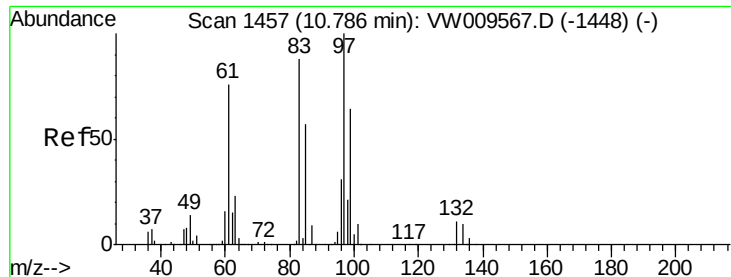
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#54
cis-1,3-Dichloropropene
Concen: 50.000 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.9	38.9
39	61.9	46.8	70.2





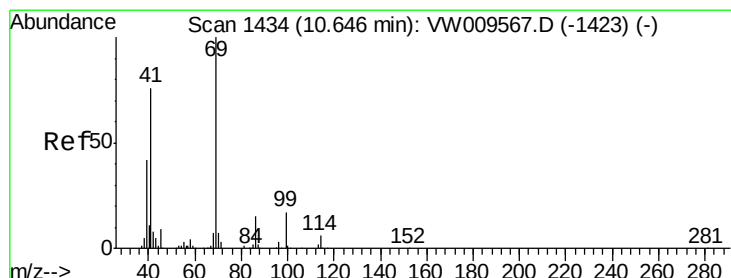
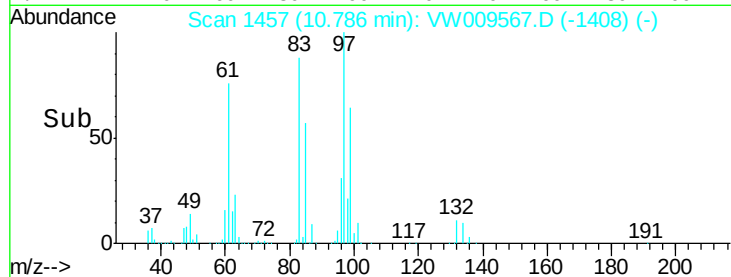
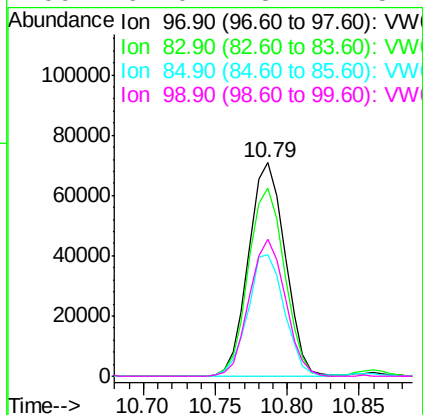
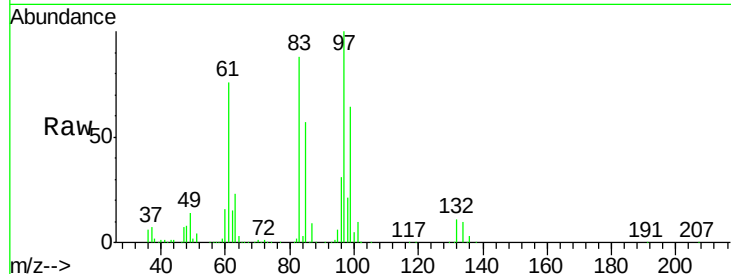
#55
 1,1,2-Trichloroethane
 Concen: 50.000 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	124808
Ion	Ratio	Lower	Upper
97	100		
83	87.9	66.3	99.5
85	56.6	41.4	62.2
99	64.0	48.7	73.1

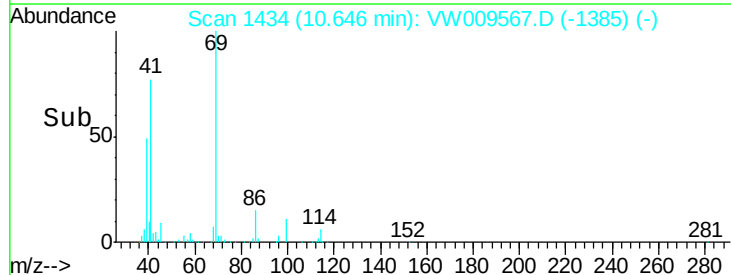
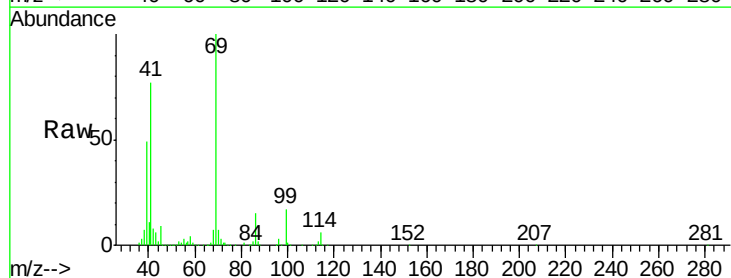
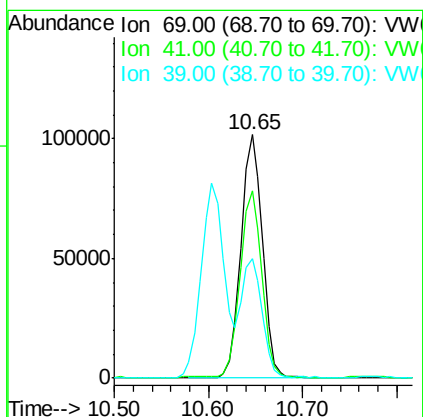
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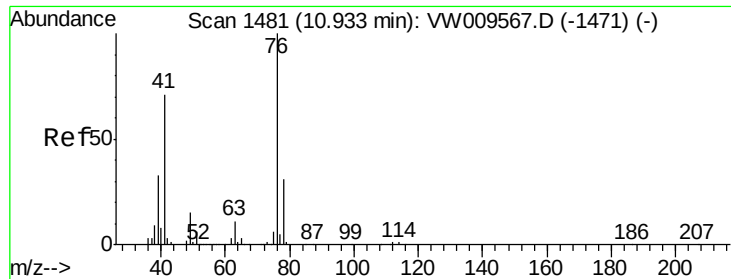
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#56
 Ethyl methacrylate
 Concen: 50.000 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Tgt Ion:	69	Resp:	162264
Ion	Ratio	Lower	Upper
69	100		
41	77.7	59.3	88.9
39	45.8	36.2	54.2





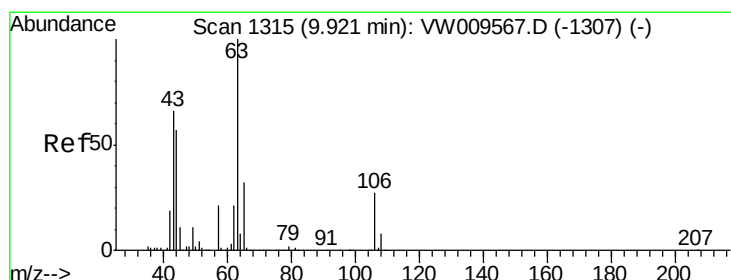
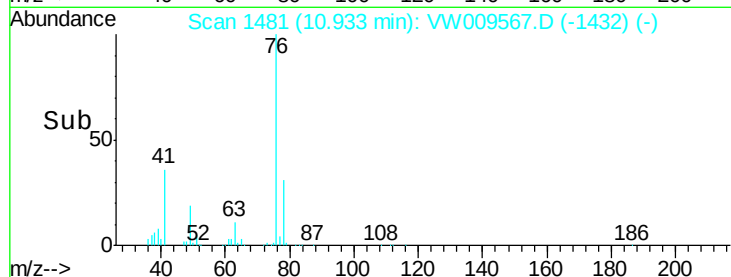
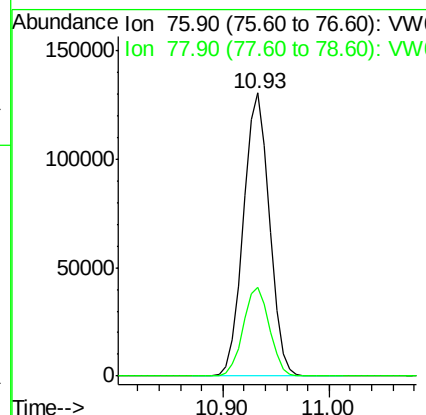
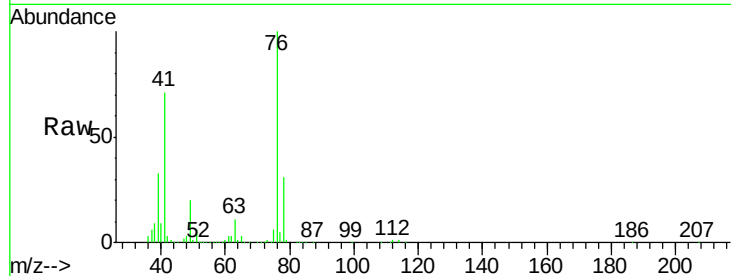
#57
 1,3-Dichloropropane
 Concen: 50.000 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.6

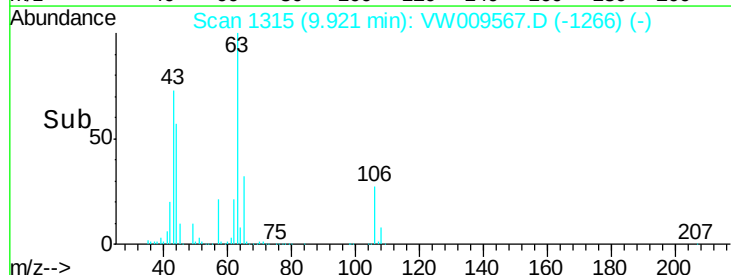
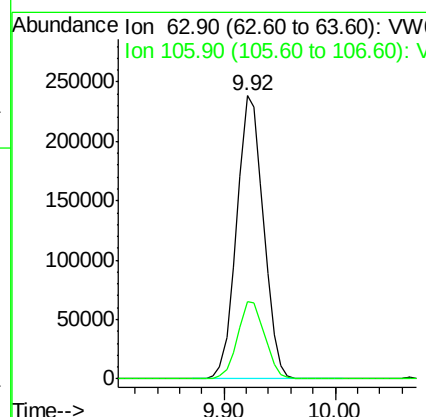
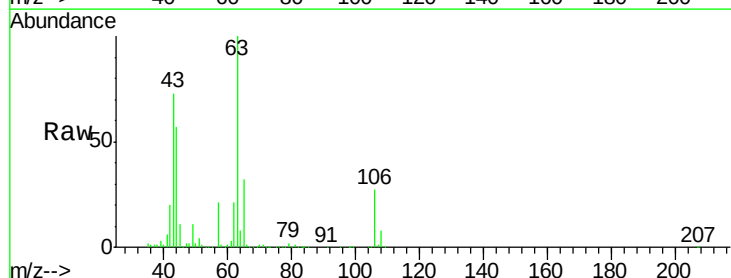
Manual Integrations
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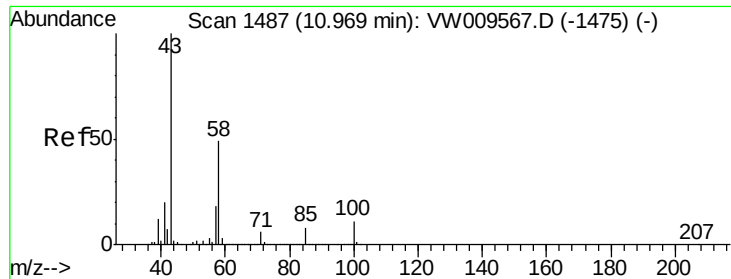
MMDadoda
 4/1/2019 4:04:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.000 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.9	34.3





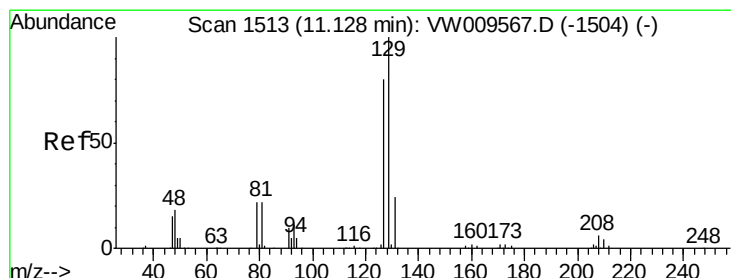
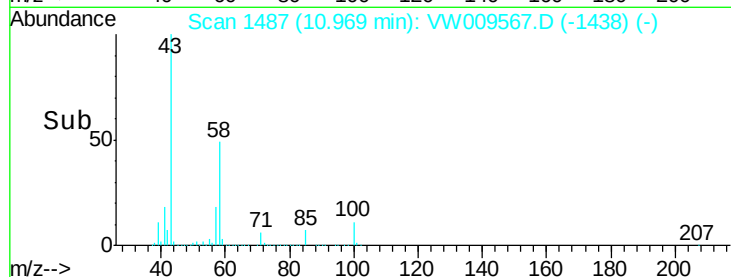
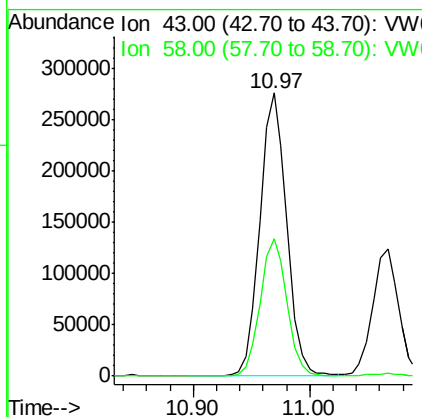
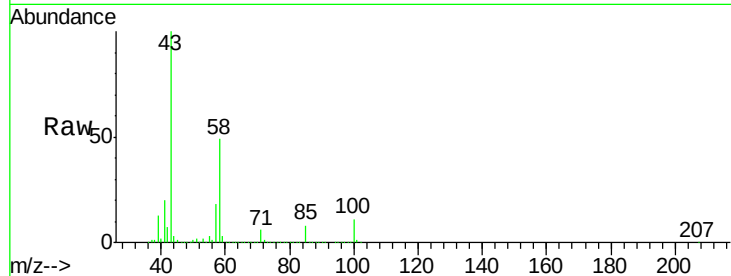
#59
2-Hexanone
Concen: 250.000 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 441693
Ion Ratio Lower Upper
43 100
58 48.4 24.2 72.6

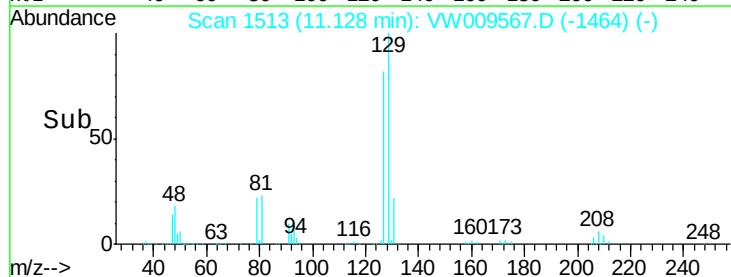
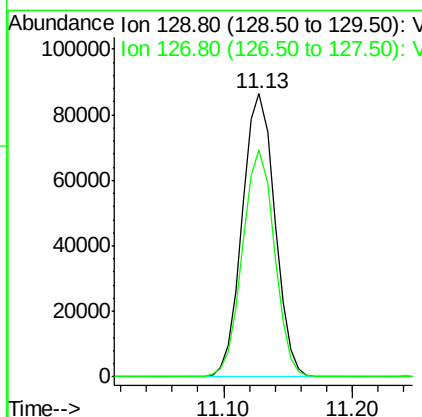
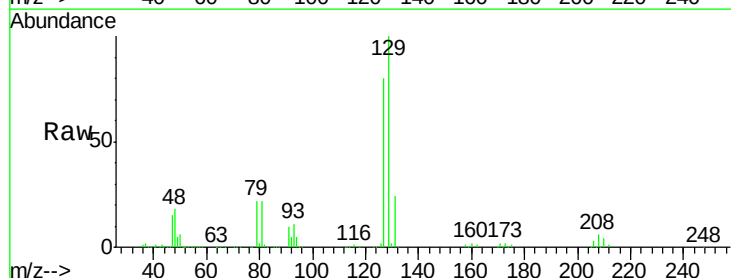
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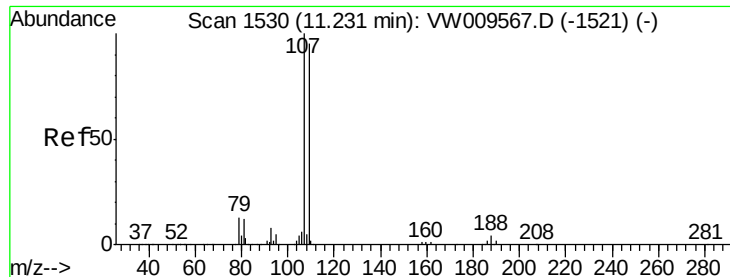
MMDadoda
4/1/2019 4:04:46 AM



#60
Dibromochloromethane
Concen: 50.000 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion: 129 Resp: 151545
Ion Ratio Lower Upper
129 100
127 78.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 50.000 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 120453

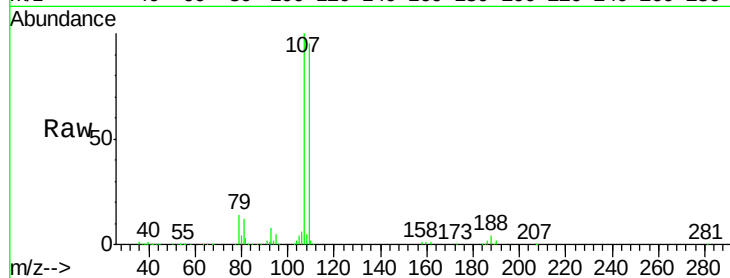
Ion Ratio Lower Upper

107 100

109 94.7 75.1 112.7

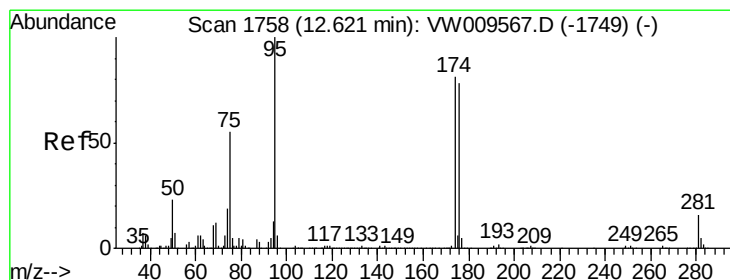
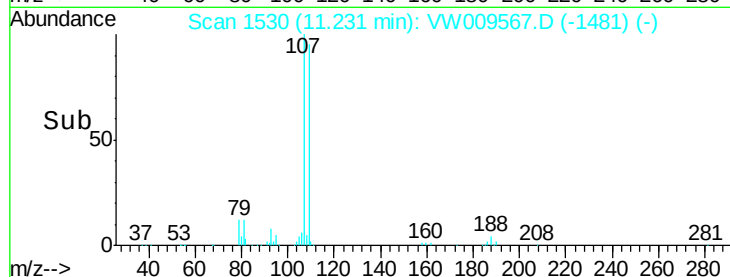
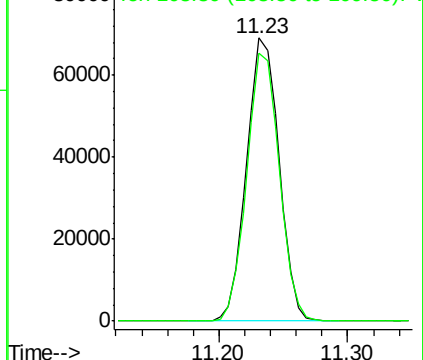
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

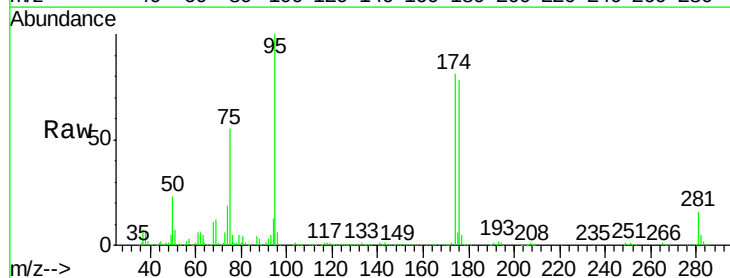
Tgt Ion: 95 Resp: 217294

Ion Ratio Lower Upper

95 100

174 79.9 0.0 168.4

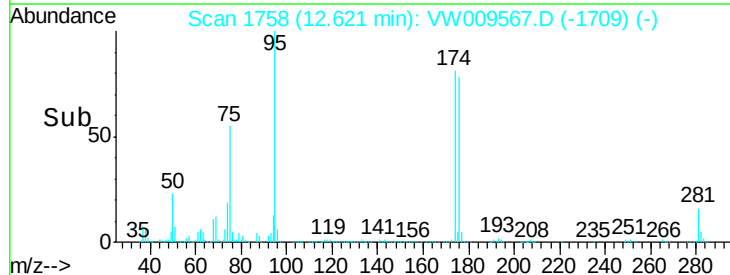
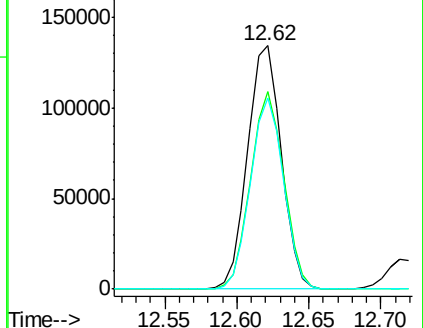
176 77.1 0.0 161.6

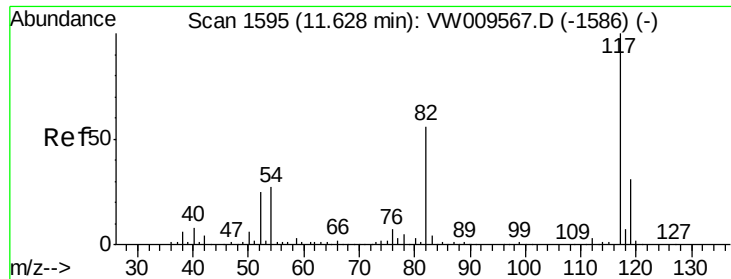


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





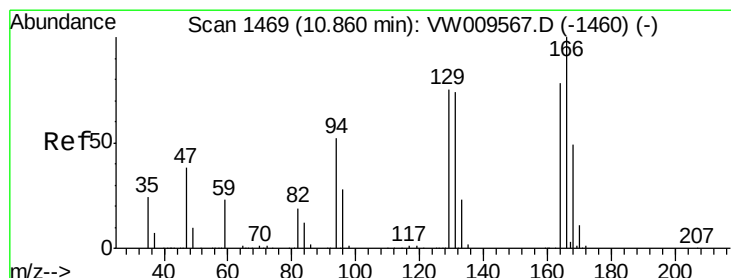
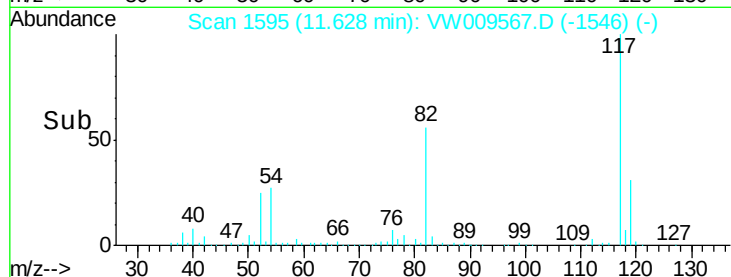
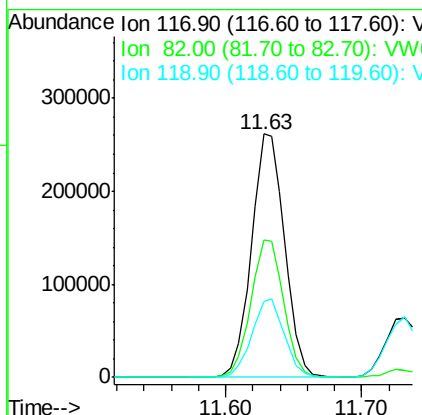
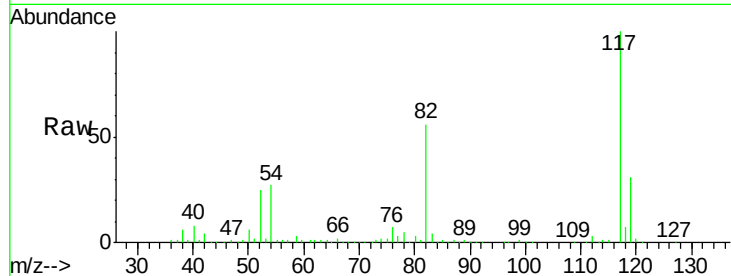
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	446947		
82	56.5	43.6	65.4	
119	31.4	26.0	39.0	

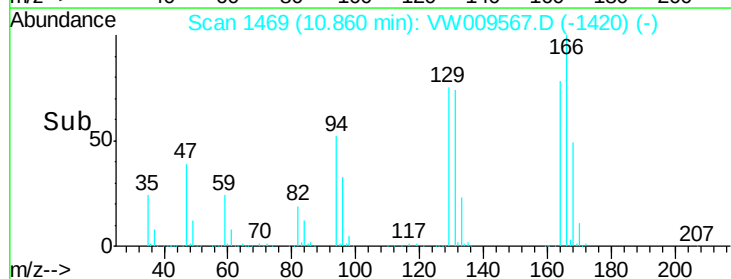
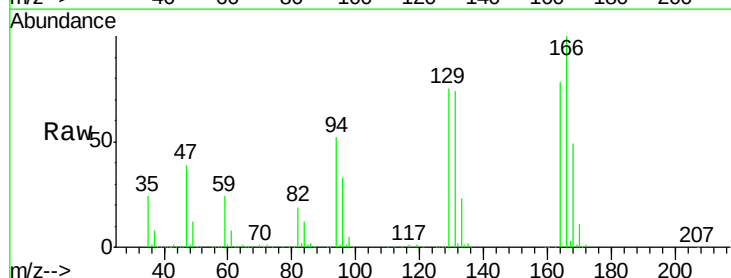
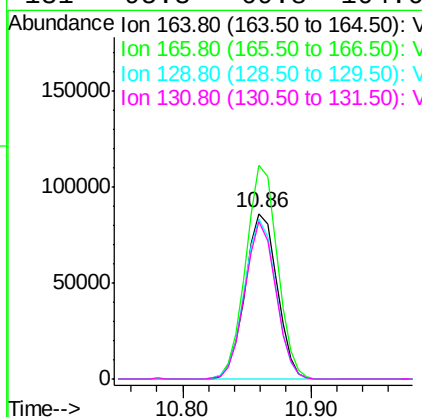
Manual Integrations
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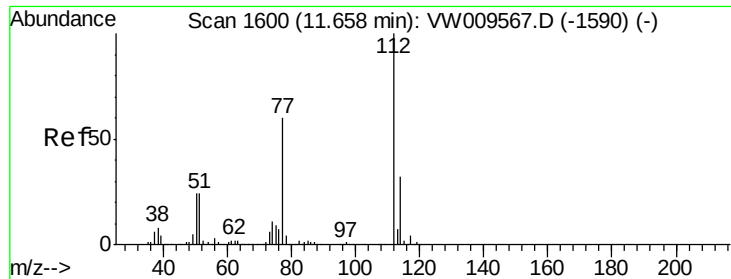
MMDadoda
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#64
Tetrachloroethene
Concen: 50.000 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	148404		
166	129.0	100.9	151.3	
129	96.6	72.0	108.0	
131	95.3	69.8	104.6	





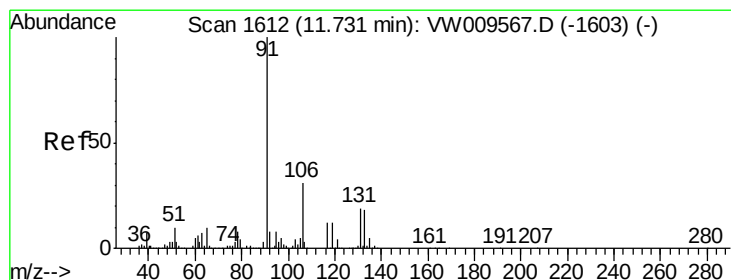
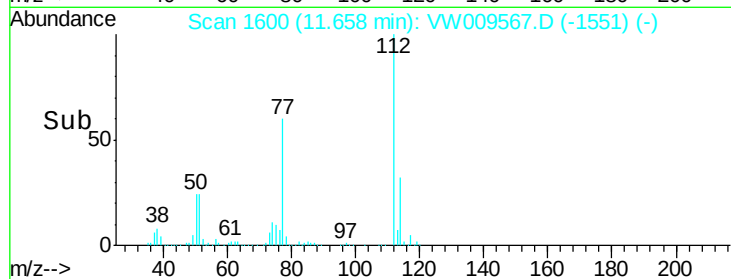
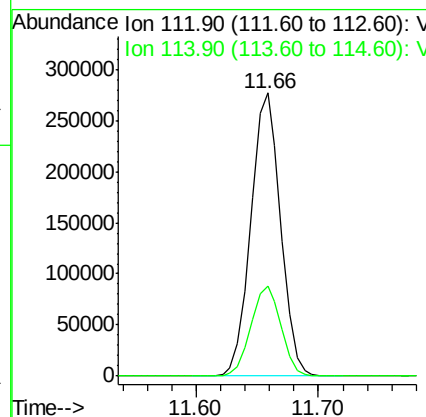
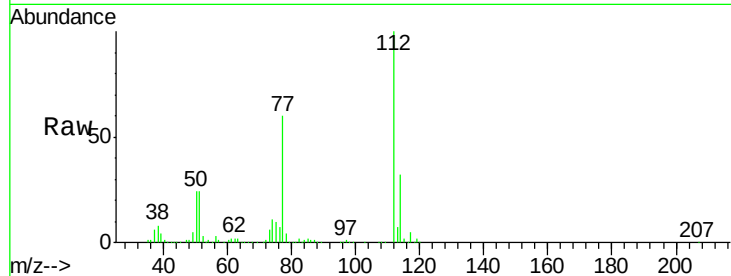
#65
Chlorobenzene
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 466969
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4

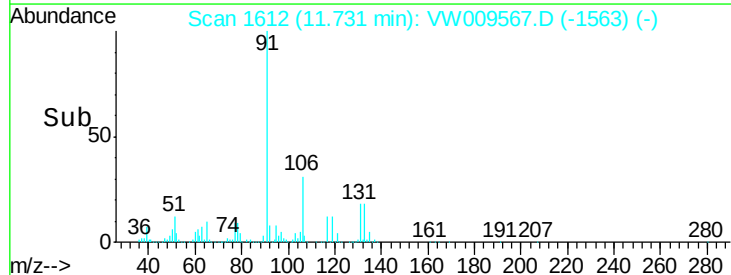
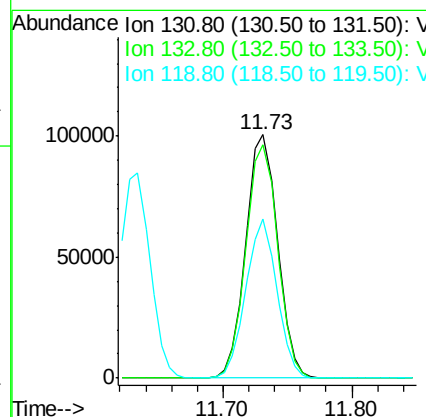
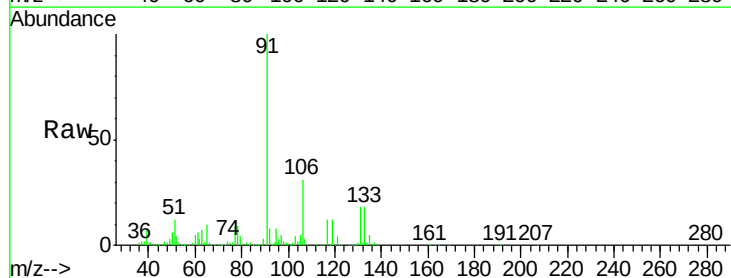
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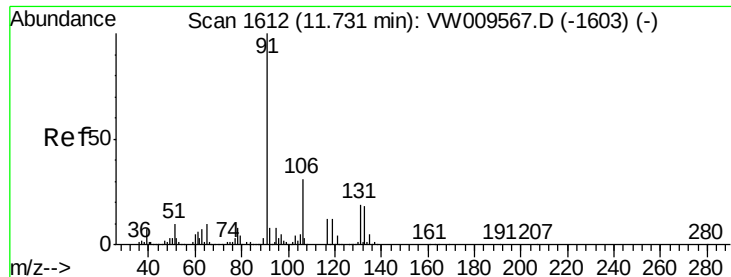
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.000 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion:131 Resp: 171565
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.8
119 63.7 31.6 95.0





#67

Ethyl Benzene

Concen: 50.000 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 855423

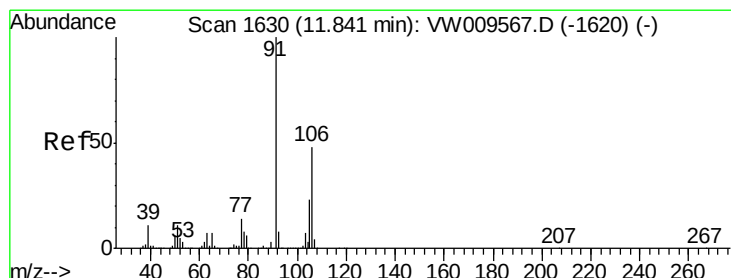
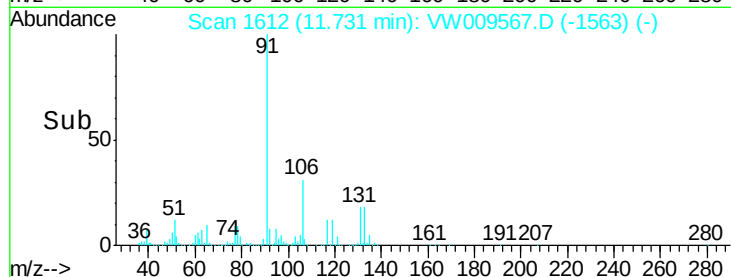
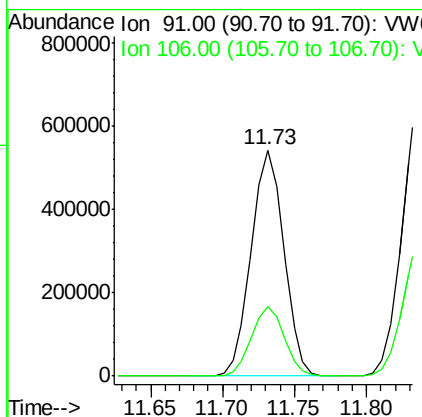
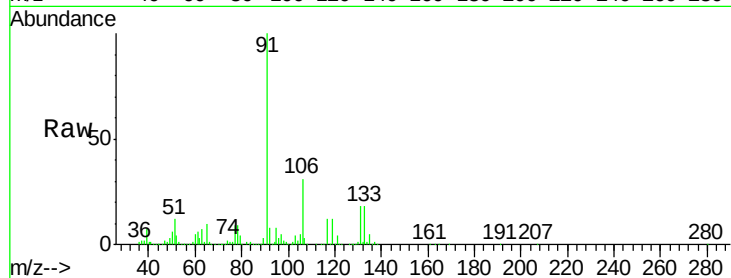
Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.000 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009567.D

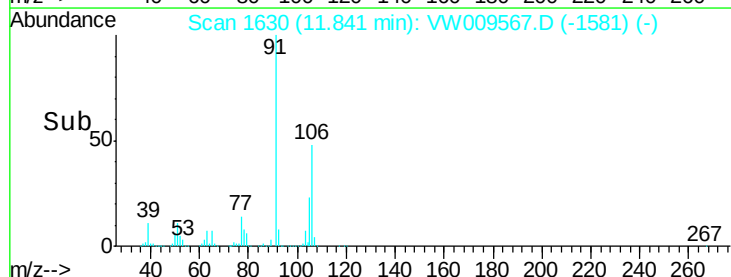
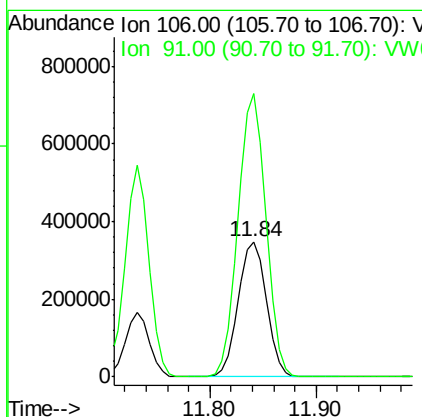
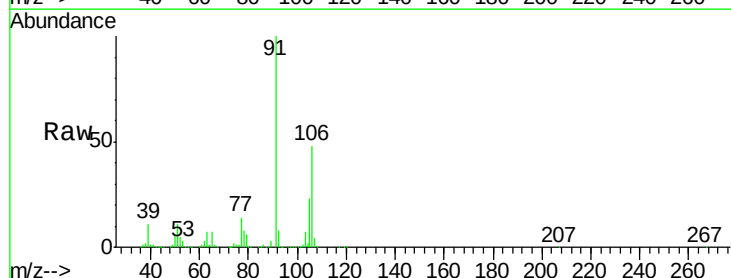
Acq: 29 Mar 2019 11:15

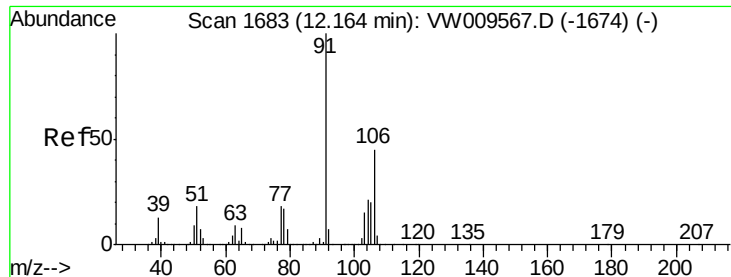
Tgt Ion: 106 Resp: 650118

Ion Ratio Lower Upper

106 100

91 207.1 163.1 244.7





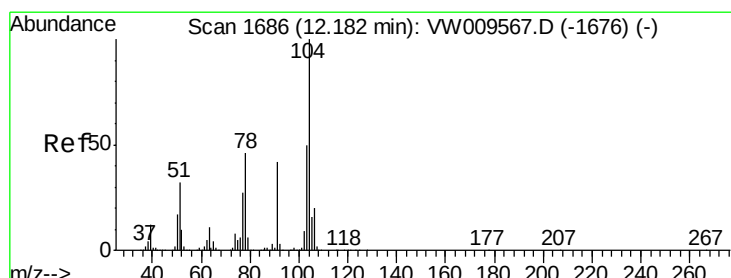
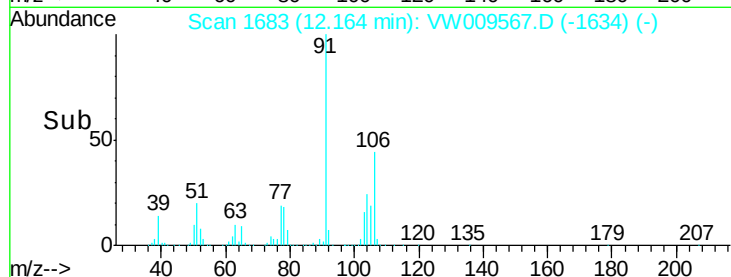
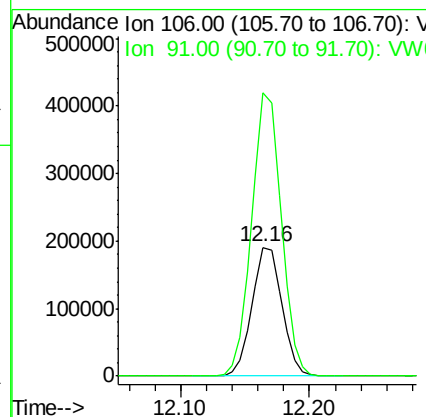
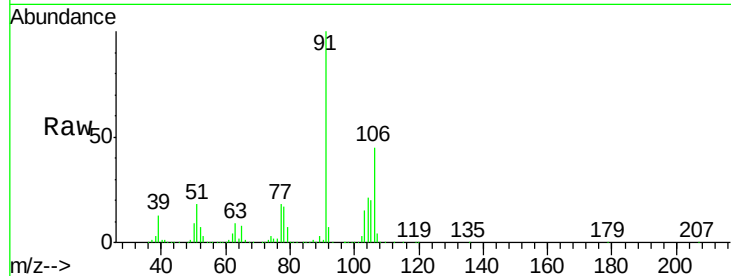
#69
o-Xylene
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	304944		
91	91	218.0	108.6	325.8	

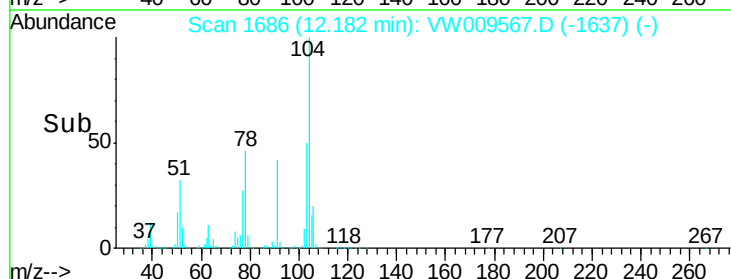
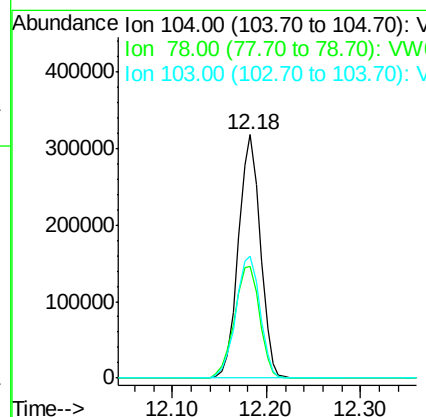
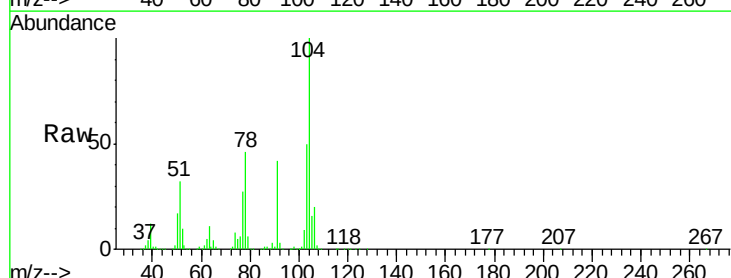
Manual Integrations
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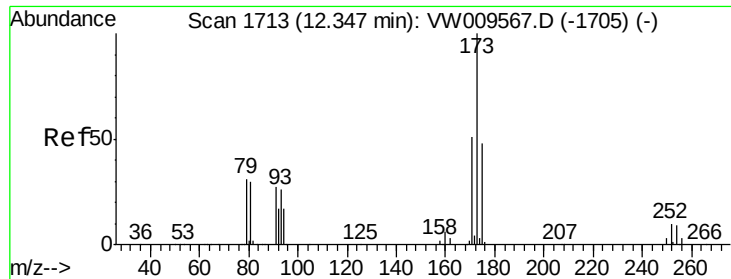
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#70
Styrene
Concen: 50.000 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	515211		
78	78	52.8	42.2	63.4	
103	103	55.4	44.6	66.8	





#71

Bromoform

Concen: 50.000 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 92582

Ion Ratio Lower Upper

173 100

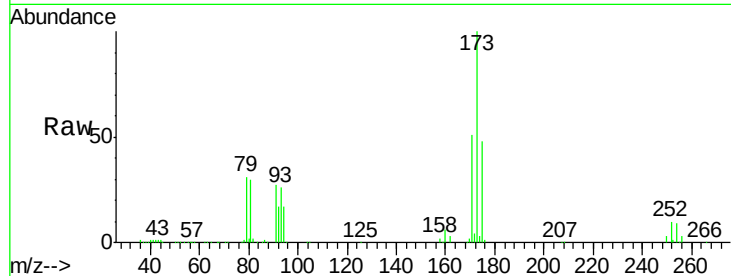
175 50.0 24.1 72.4

254 0.1 0.2 0.4#

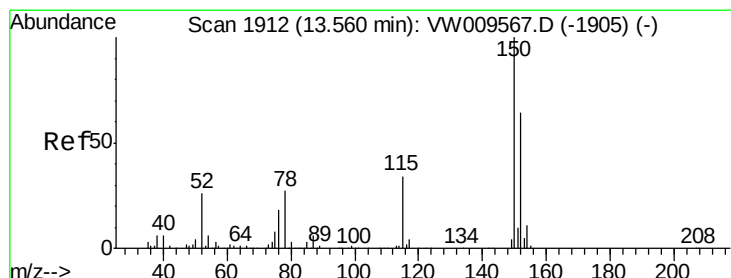
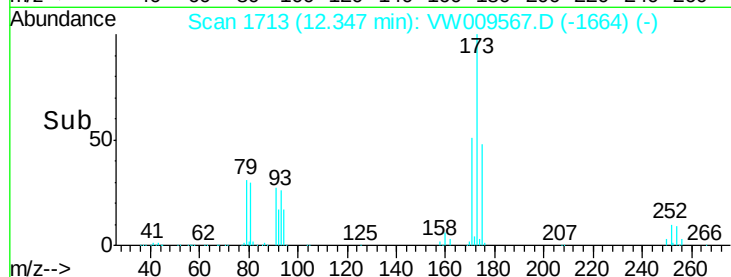
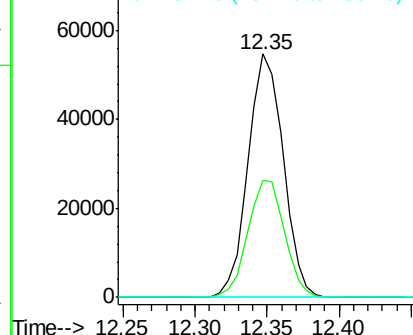
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

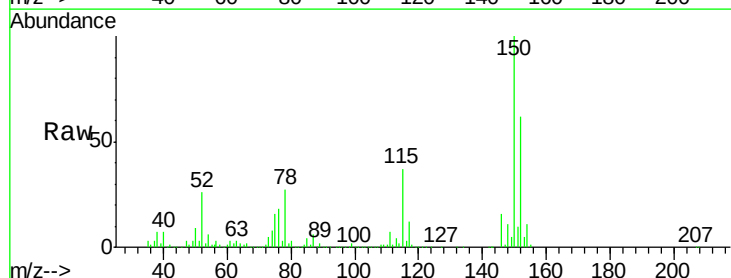
Tgt Ion:152 Resp: 239446

Ion Ratio Lower Upper

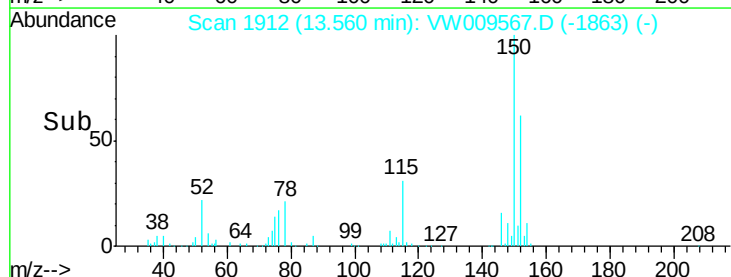
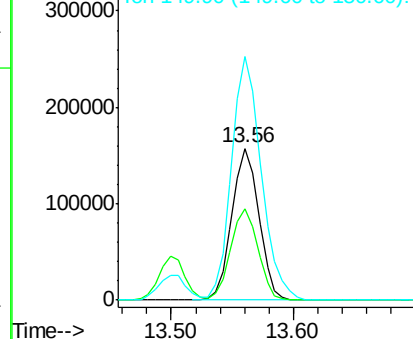
152 100

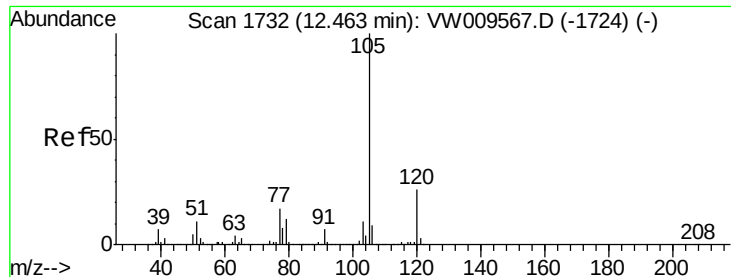
115 60.8 29.6 88.8

150 177.0 0.0 349.2



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: 50.000 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 884308

Ion Ratio Lower Upper

105 100

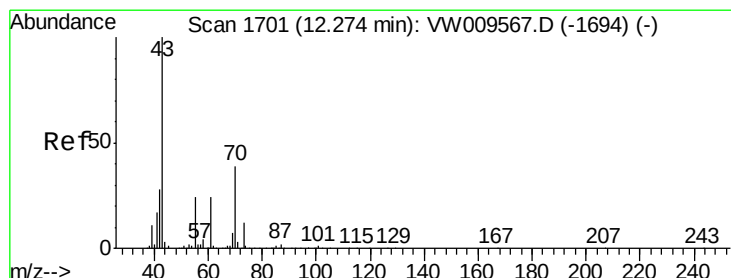
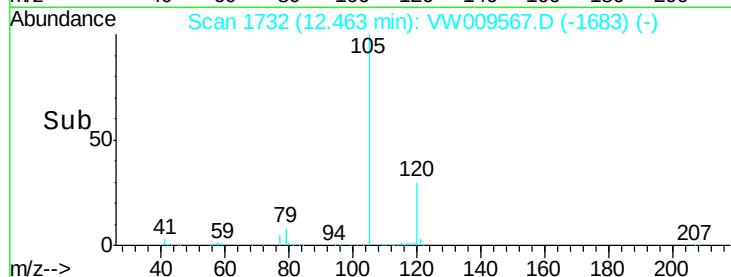
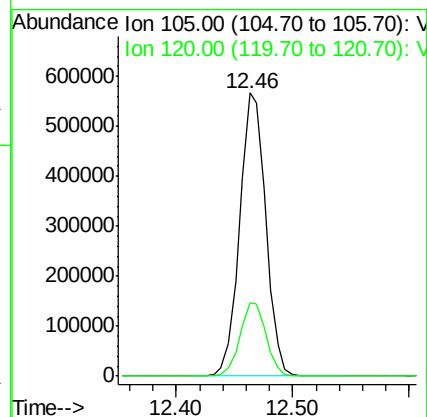
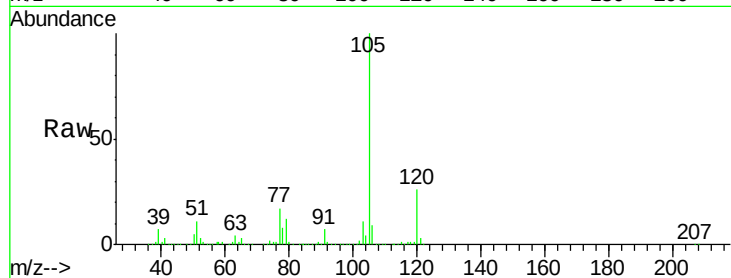
120 26.0 13.0 39.0

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#74

N-ethyl acetate

Concen: 50.000 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Tgt Ion: 43 Resp: 222994

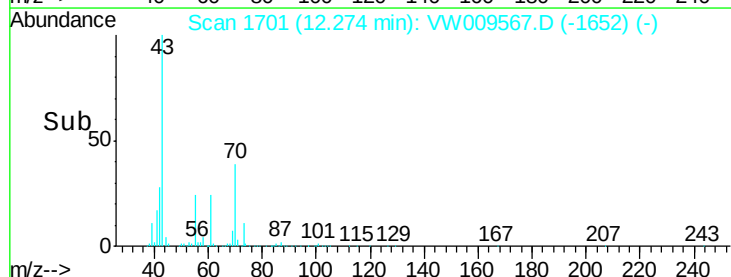
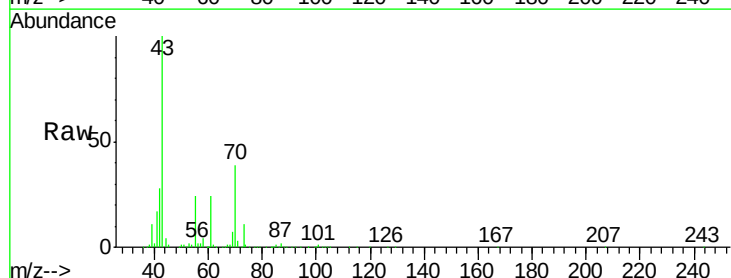
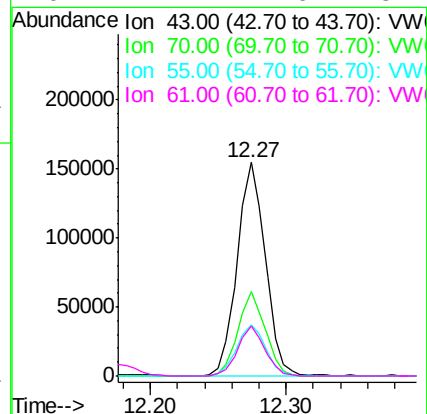
Ion Ratio Lower Upper

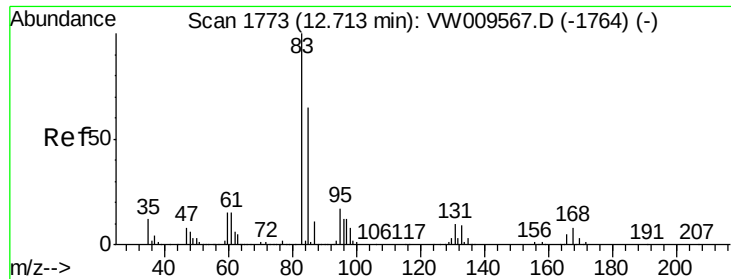
43 100

70 38.4 30.6 46.0

55 25.0 19.3 28.9

61 22.7 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.000 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 155958

Ion Ratio Lower Upper

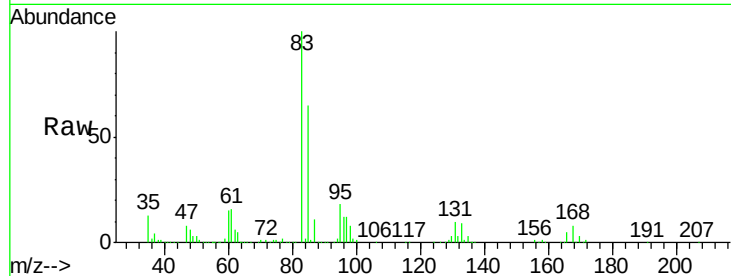
83 100

131 10.4 5.3 16.1

85 64.2 32.6 97.8

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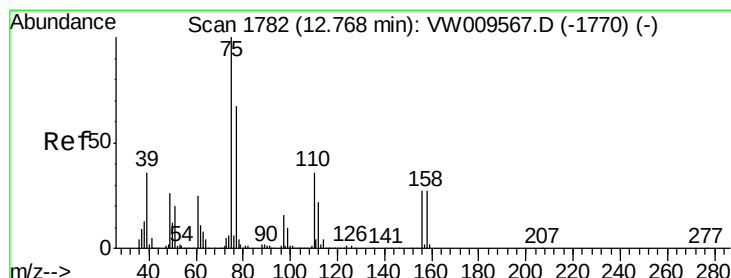
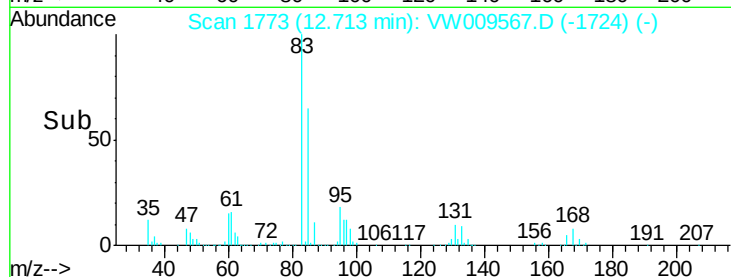
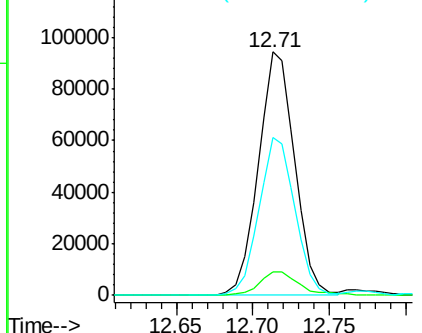
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Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 50.000 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009567.D

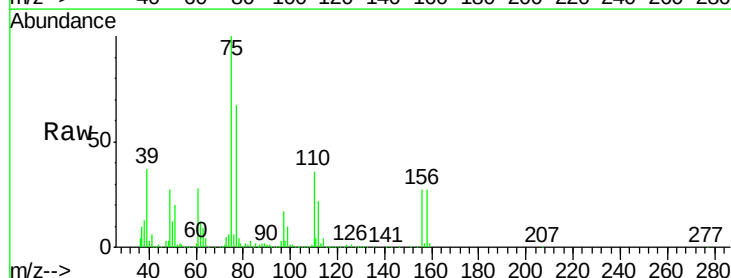
Acq: 29 Mar 2019 11:15

Tgt Ion: 75 Resp: 113232

Ion Ratio Lower Upper

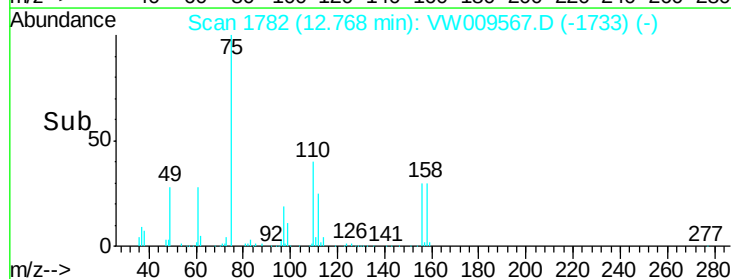
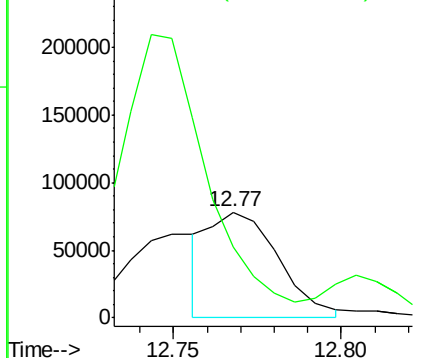
75 100

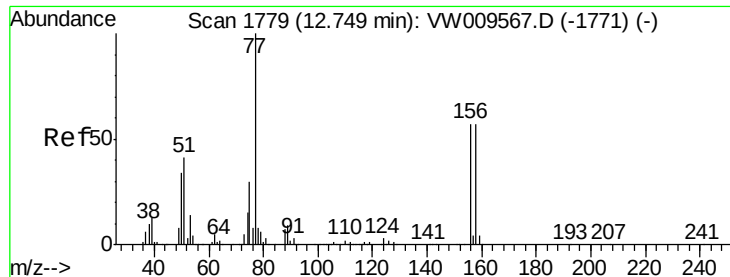
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.000 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 197096

Ion Ratio Lower Upper

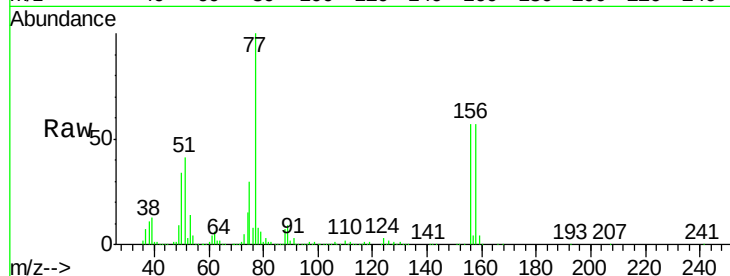
156 100

77 193.9 96.0 288.0

158 95.0 49.1 147.3

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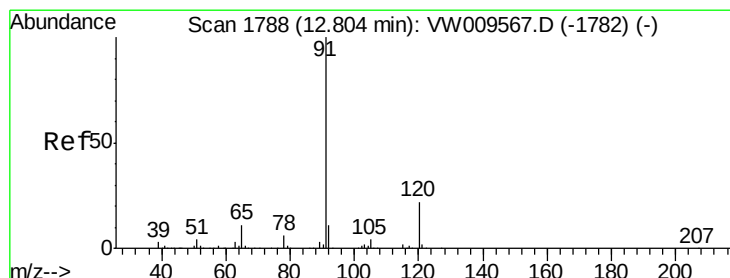
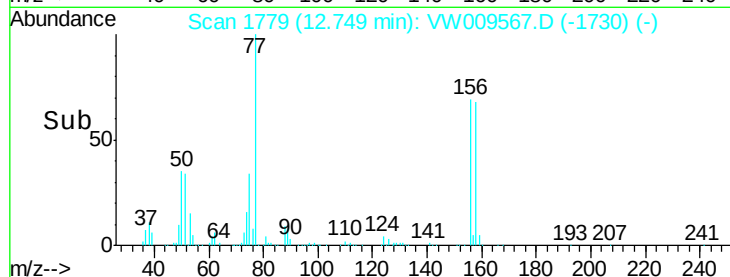
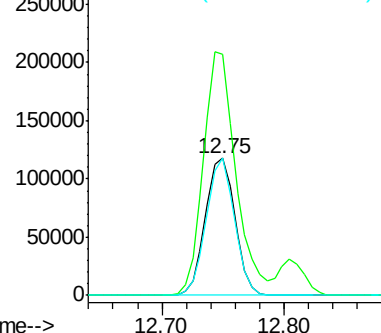
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.000 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009567.D

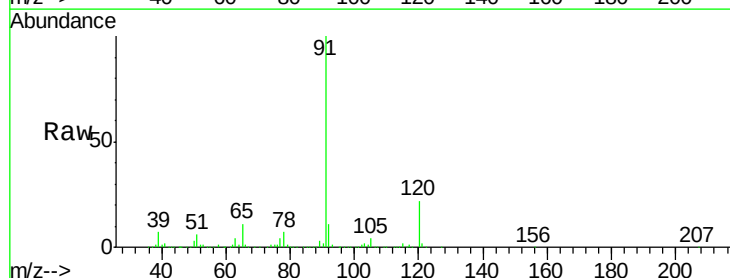
Acq: 29 Mar 2019 11:15

Tgt Ion: 91 Resp: 1089363

Ion Ratio Lower Upper

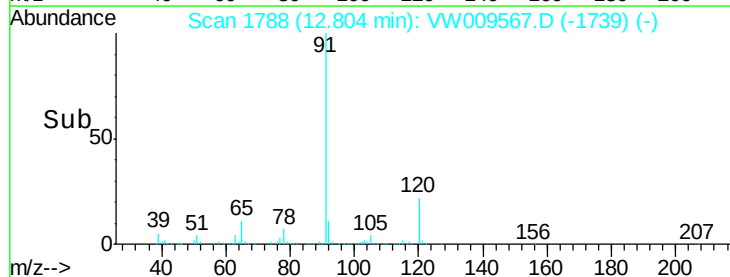
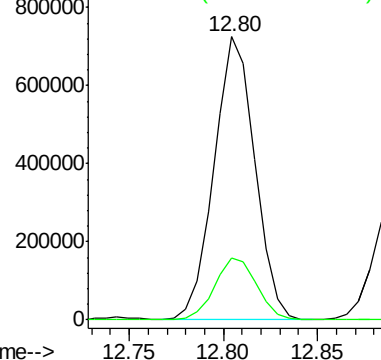
91 100

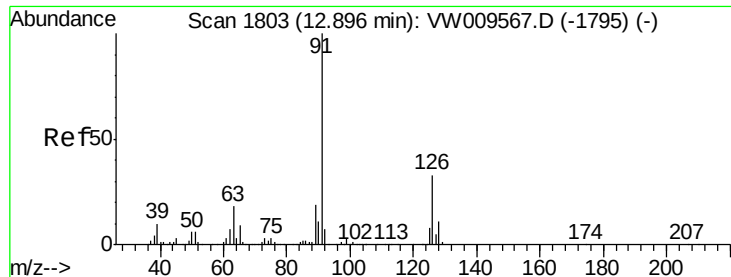
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 612108

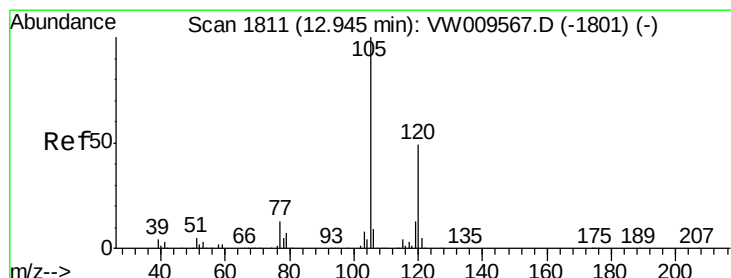
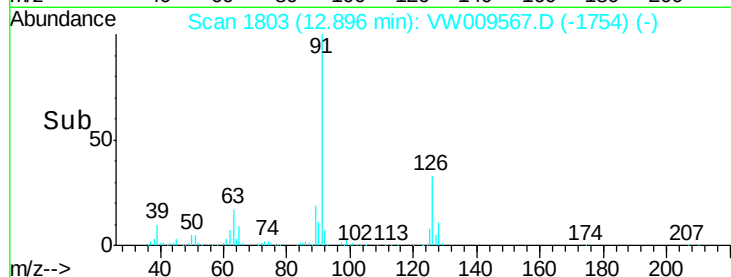
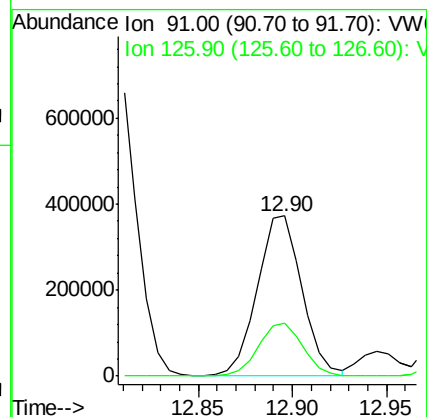
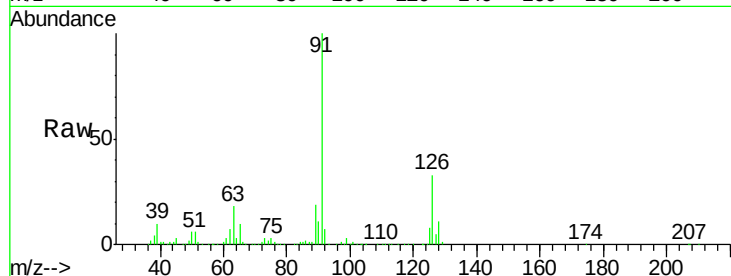
Ion Ratio Lower Upper

91 100

126 32.8 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 50.000 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009567.D

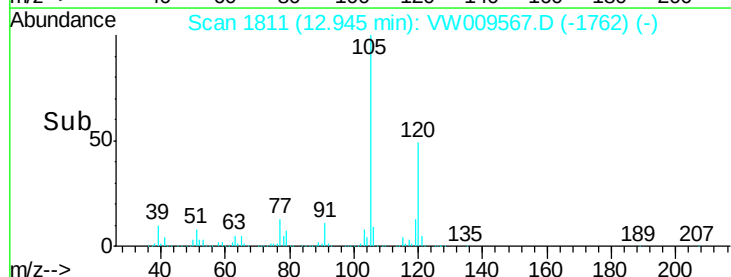
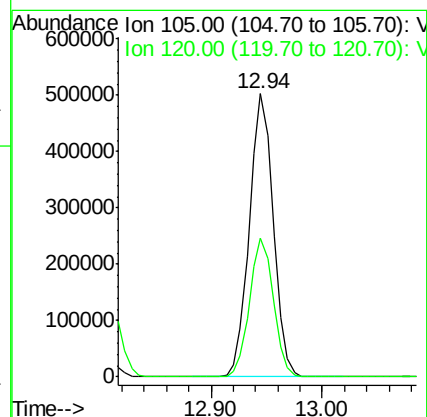
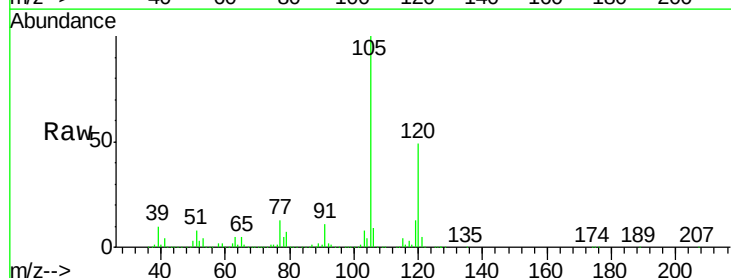
Acq: 29 Mar 2019 11:15

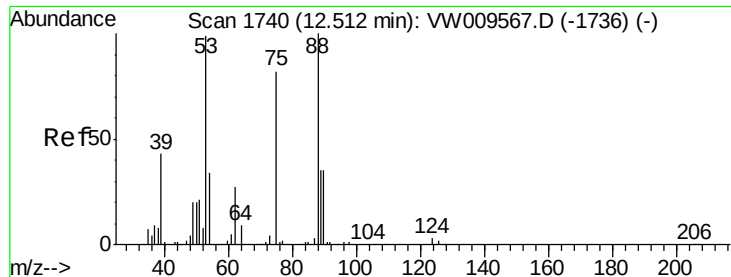
Tgt Ion:105 Resp: 748333

Ion Ratio Lower Upper

105 100

120 49.2 24.6 74.0





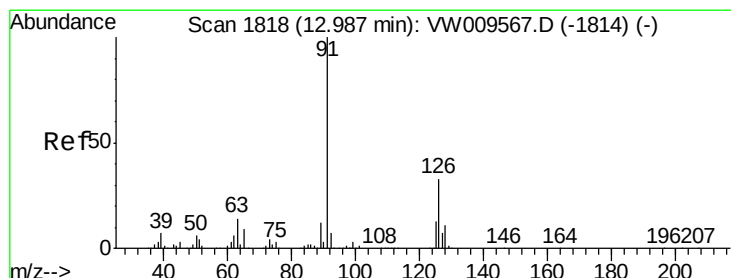
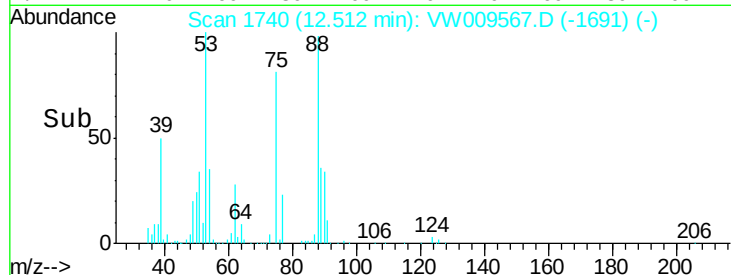
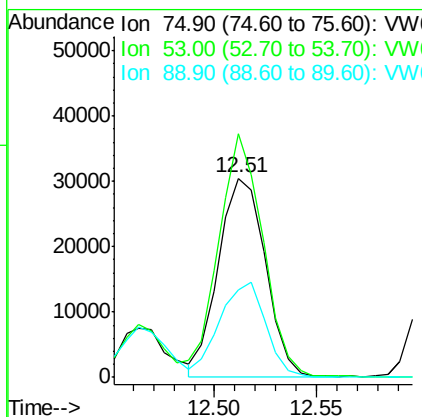
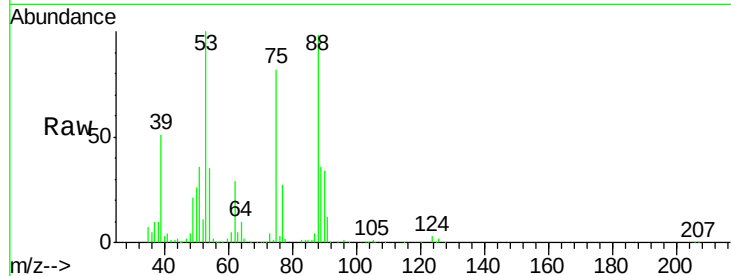
#81
trans-1,4-Dichloro-2-butene
Concen: 50.000 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.0	86.7	130.1
89	47.3	36.4	54.6

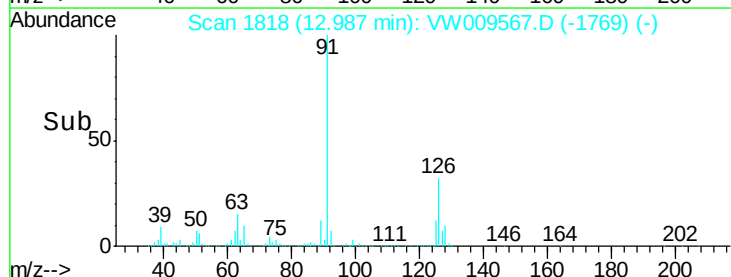
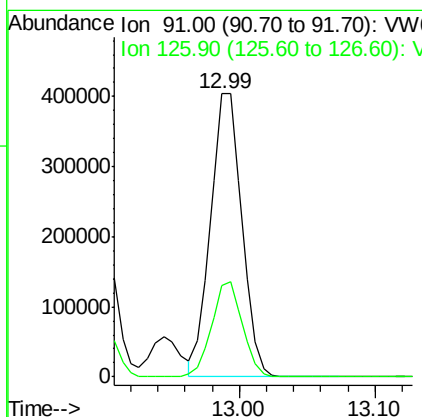
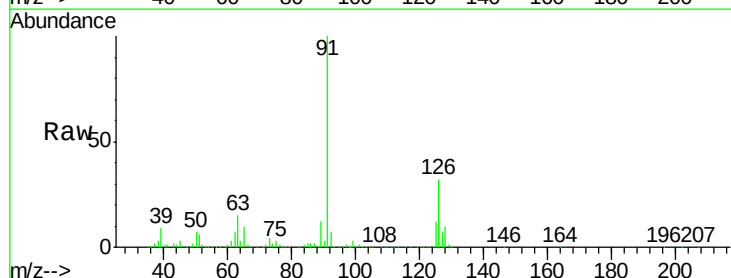
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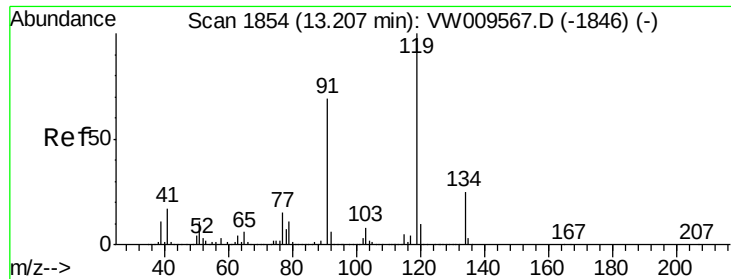
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#82
4-Chlorotoluene
Concen: 50.000 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.9	50.6





#83

tert-Butylbenzene

Concen: 50.000 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

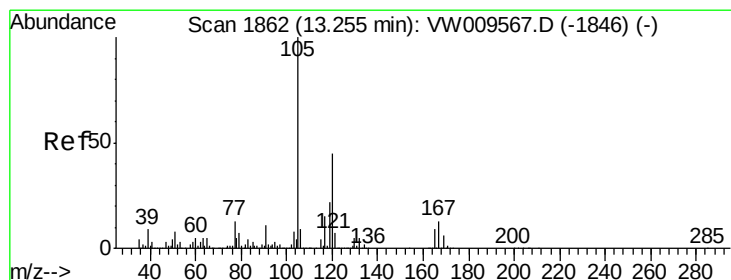
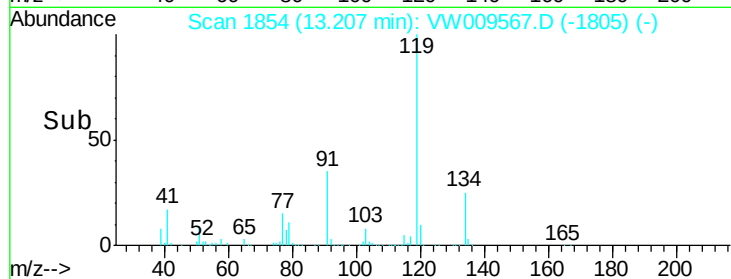
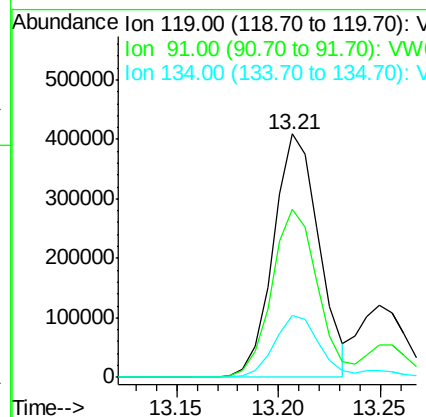
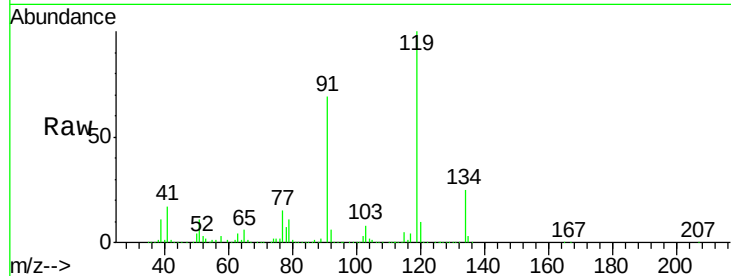
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.4	103.2
134	25.3	12.7	38.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.000 ug/l

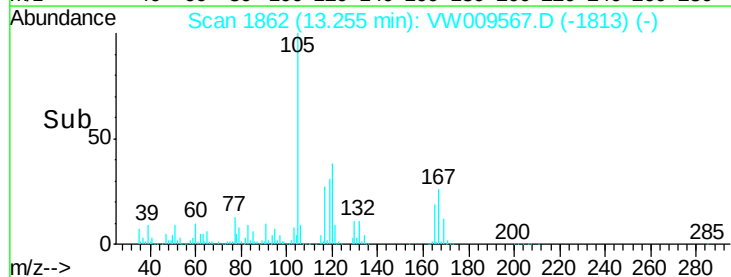
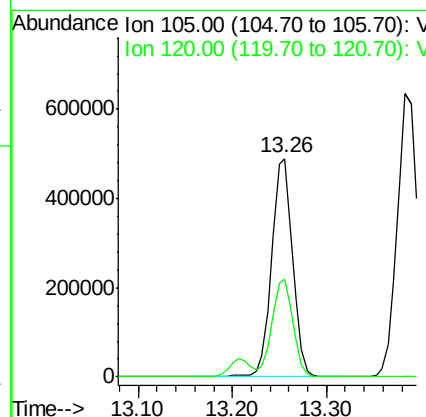
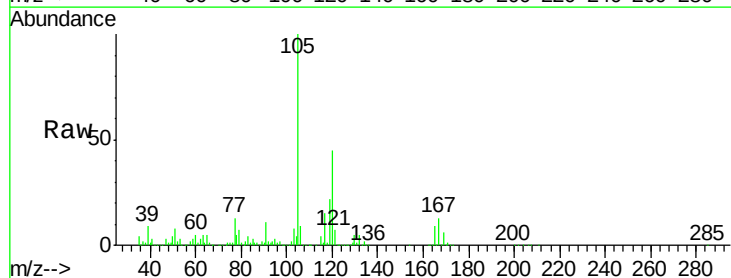
RT: 13.26 min Scan# 1862

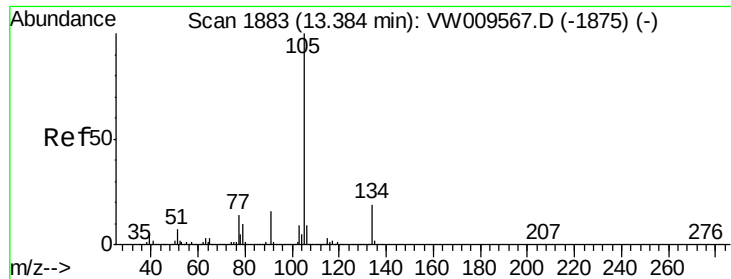
Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.8	68.3





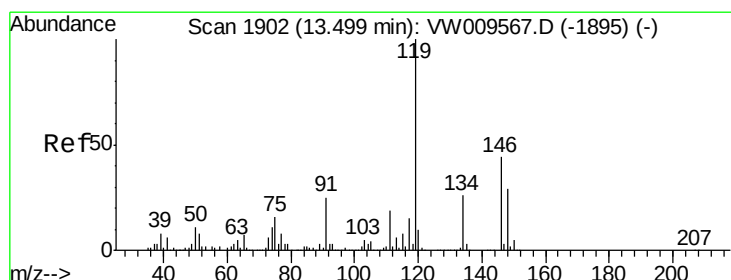
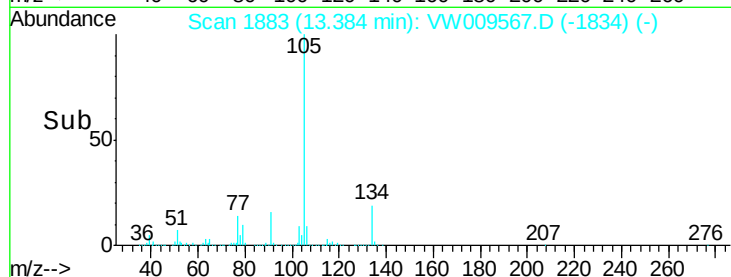
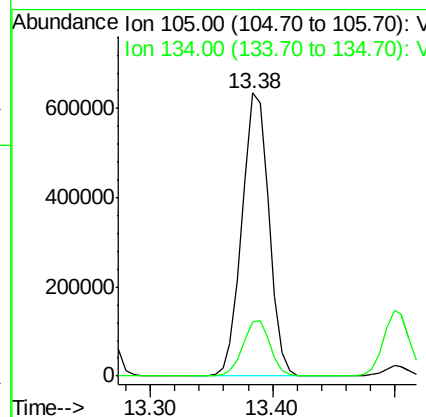
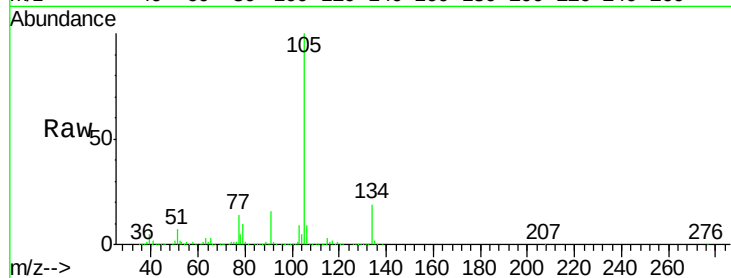
#85
 sec-Butylbenzene
 Concen: 50.000 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.2	30.6

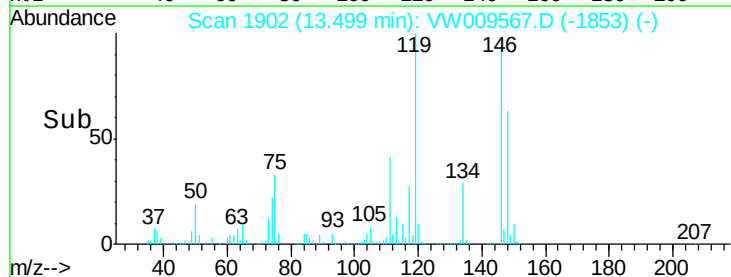
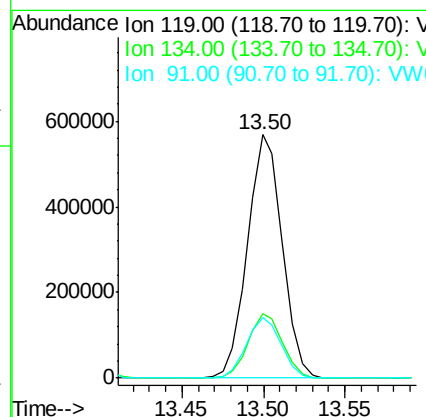
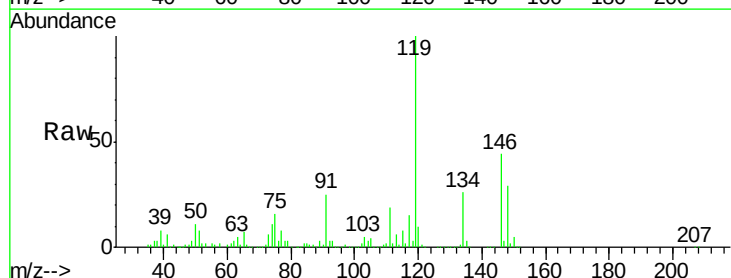
Manual Integrations
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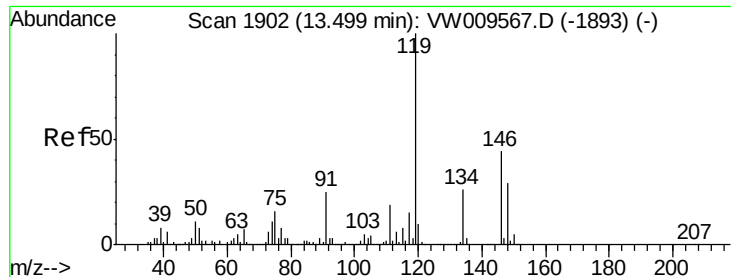
MMDadoda
 4/1/2019 4:04:46 AM



#86
 p-Isopropyltoluene
 Concen: 50.000 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.8	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 50.000 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

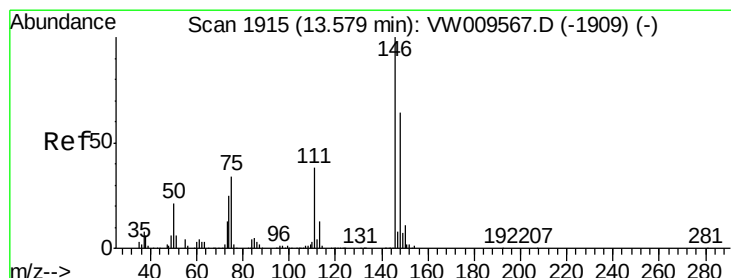
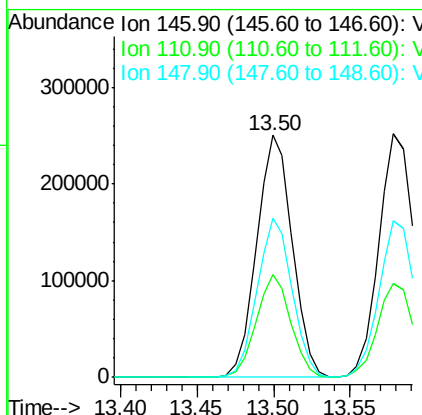
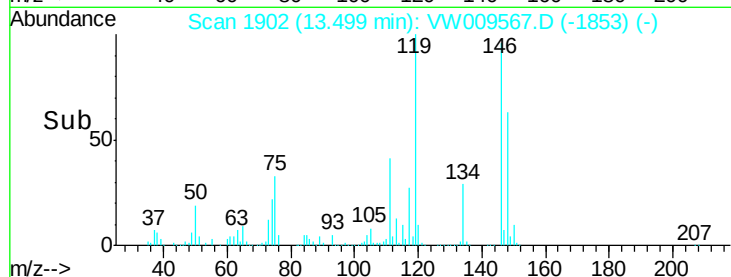
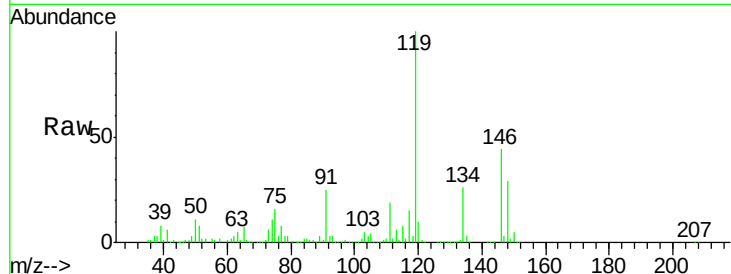
Instrument :
MSVOA_W

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.3	20.1	60.2	
148	64.4	31.4	94.3	

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#88

1,4-Dichlorobenzene

Concen: 50.000 ug/l

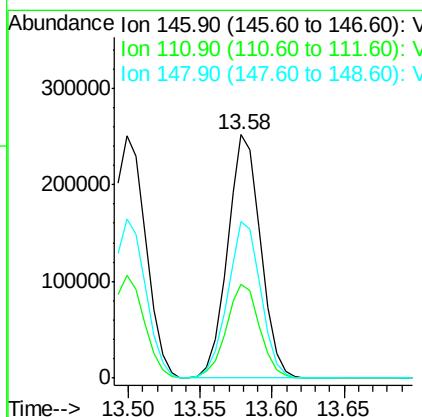
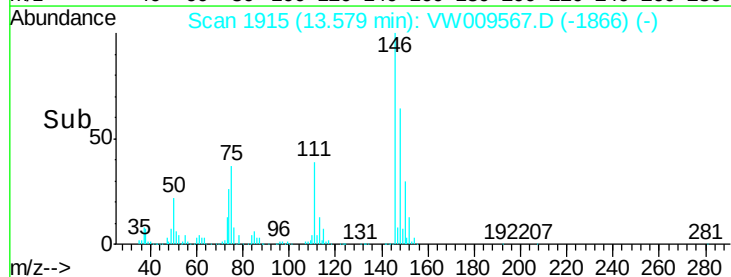
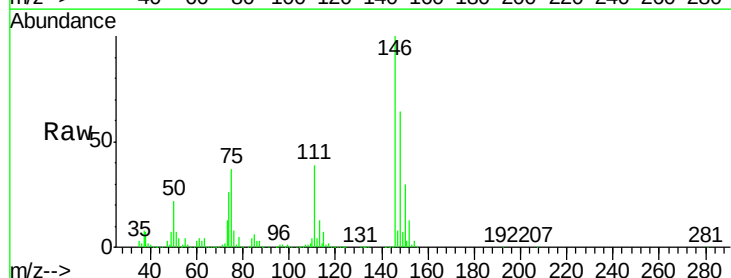
RT: 13.58 min Scan# 1915

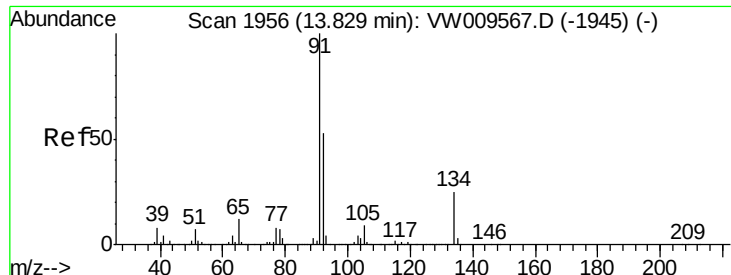
Delta R.T. 0.00 min

Lab File: VW009567.D

Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.1	19.9	59.6	
148	64.4	32.2	96.6	





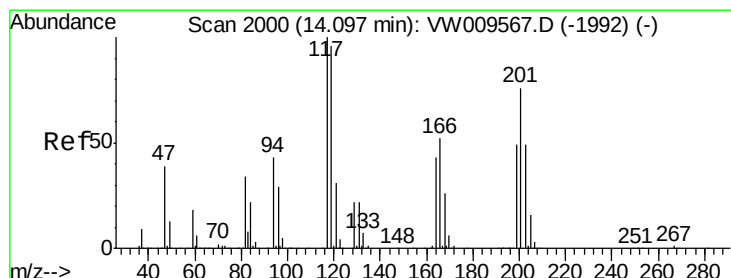
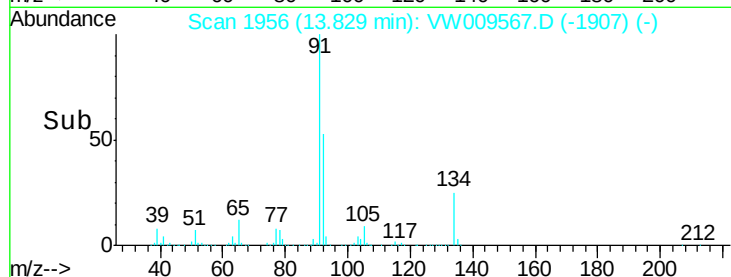
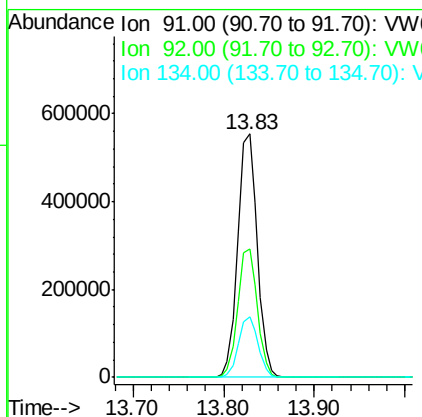
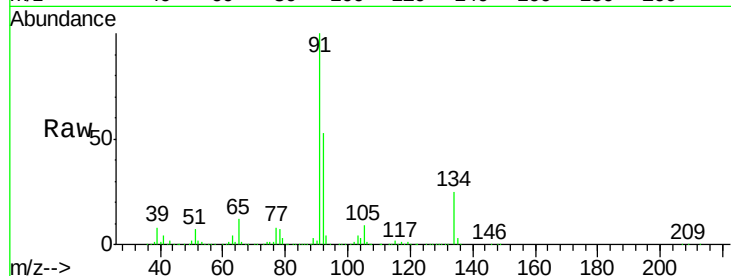
#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	25.0	12.9	38.6

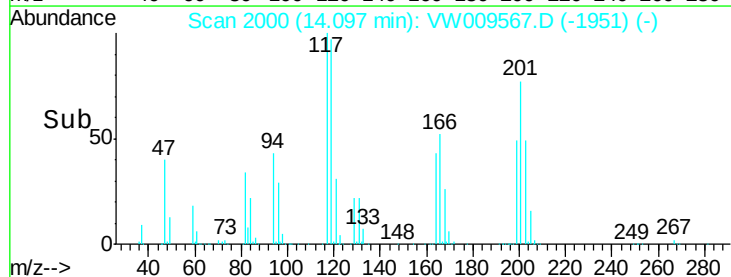
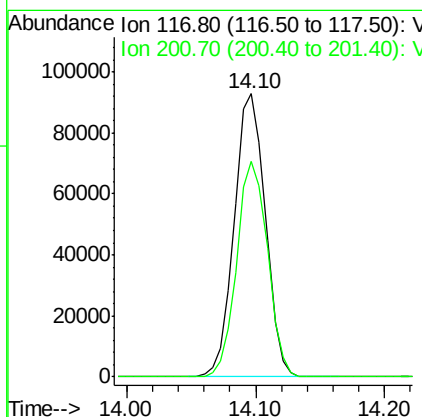
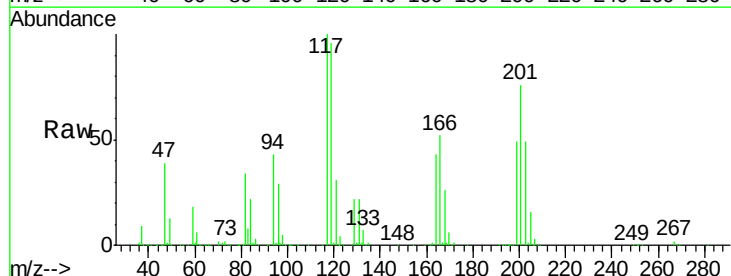
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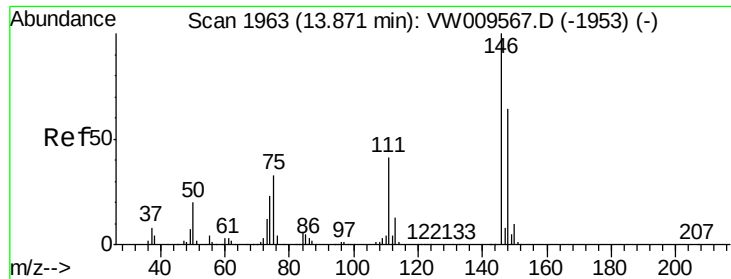
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#90
Hexachloroethane
Concen: 50.000 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	38.2	114.6





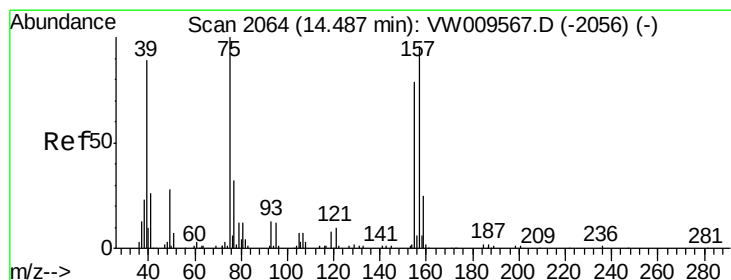
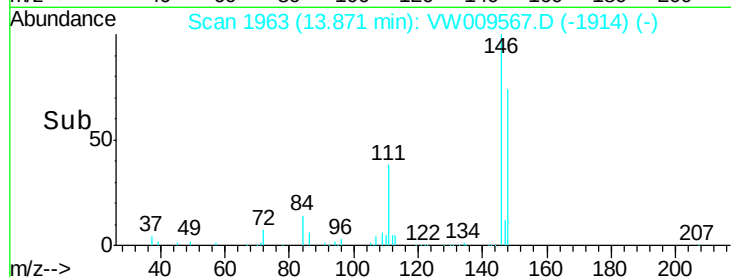
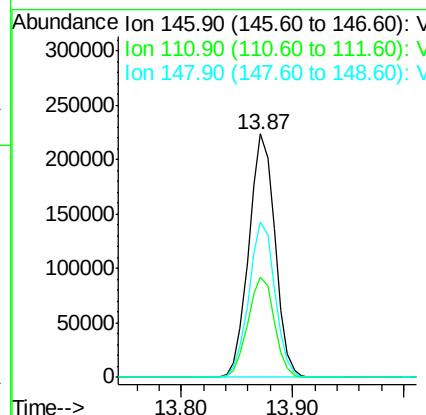
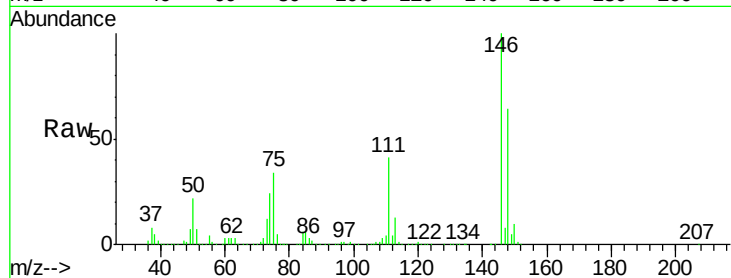
#91
 1,2-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	63.8	31.9	95.9

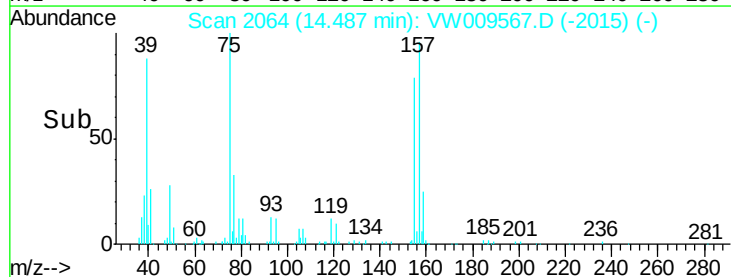
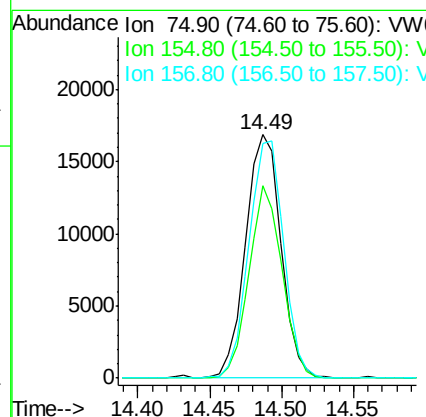
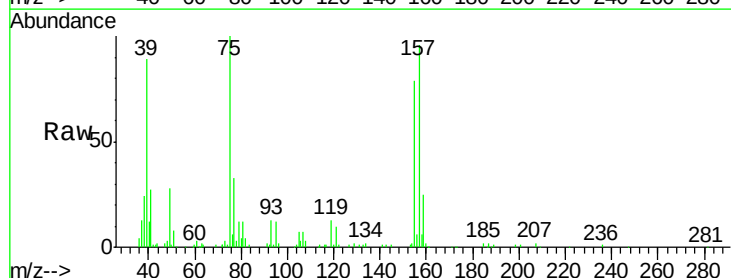
Manual Integrations
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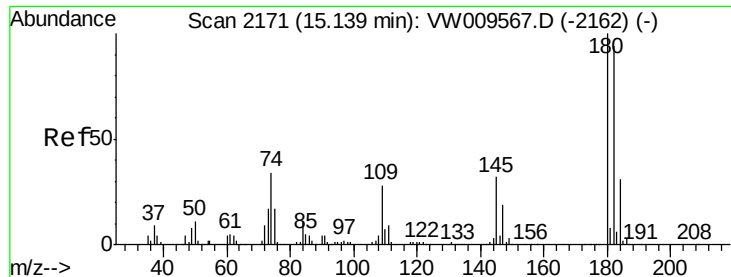
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.000 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009567.D
 Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	39.3	117.8
157	95.8	49.5	148.5





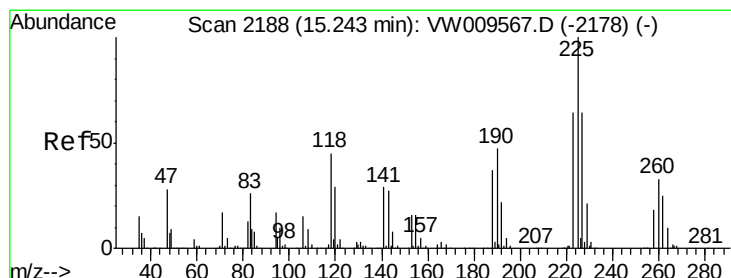
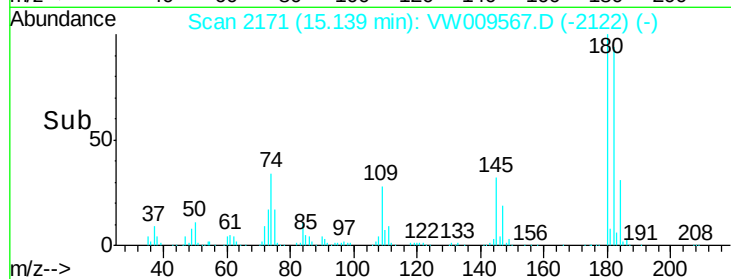
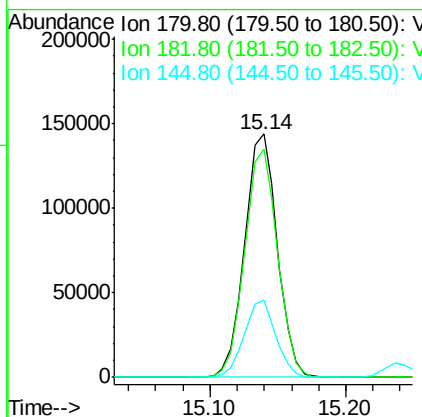
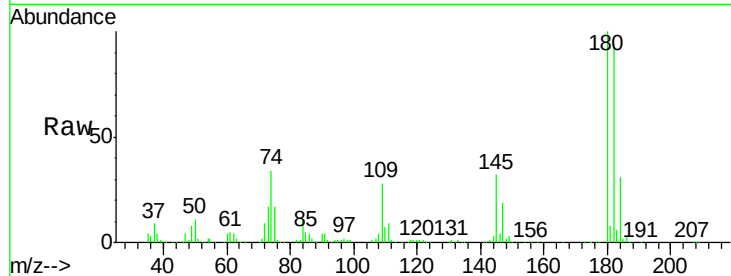
#93
1,2,4-Trichlorobenzene
Concen: 50.000 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	241927		
182	94.0	47.9	143.7	
145	31.0	15.0	45.0	

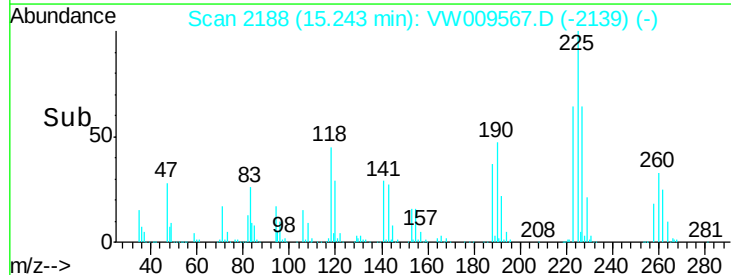
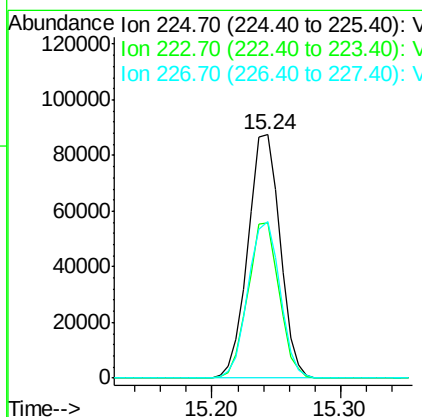
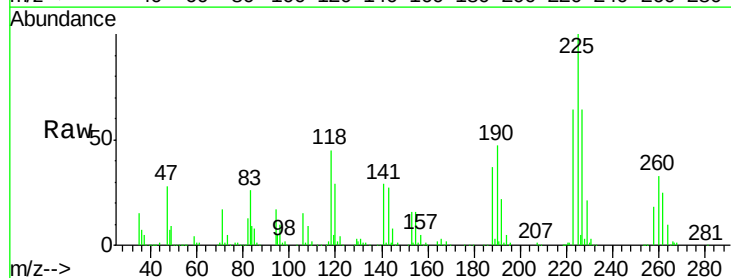
Manual Integrations
APPROVED

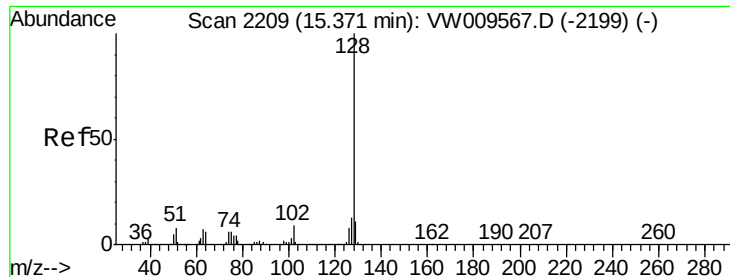
MMDadoda
4/1/2019 4:04:46 AM



#94
Hexachlorobutadiene
Concen: 50.000 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150387		
223	62.2	31.4	94.3	
227	64.0	32.1	96.5	





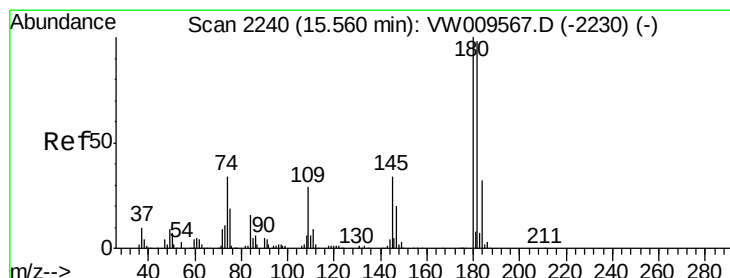
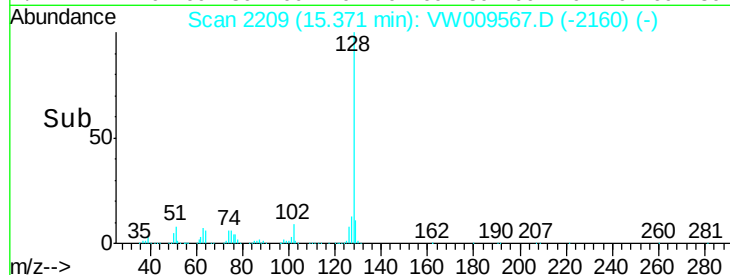
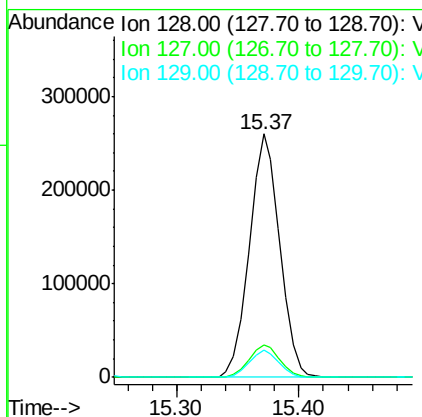
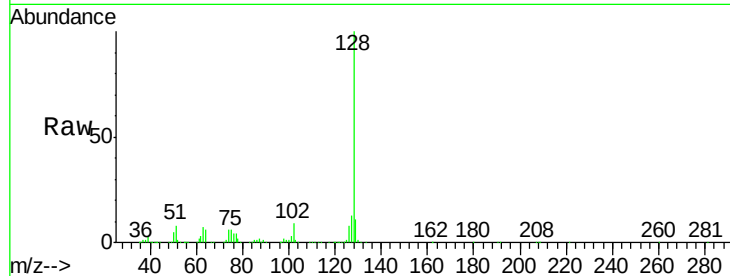
#95
Naphthalene
Concen: 50.000 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	448908		
127	13.5		10.8	16.2
129	11.0		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.000 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009567.D
Acq: 29 Mar 2019 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	213156		
182	95.6		47.3	141.9
145	32.6		16.0	48.0

