

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009239.D
 Acq On : 22 Jan 2019 17:09
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:36 AM

Quant Time: Jan 23 01:56:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:50:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	84734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	147628	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	132810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64109	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	56701	54.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.74%	
35) Dibromofluoromethane	4.64	113	49010	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.04%	
50) Toluene-d8	7.36	98	191017	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	10.12	95	69893	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	1218	1.777	ug/l	95
3) Chloromethane	1.25	50	2749	2.980	ug/l	93
4) Vinyl Chloride	1.32	62	2311	2.205	ug/l #	86
5) Bromomethane	1.53	94	1716	2.887	ug/l	94
6) Chloroethane	1.60	64	1450	2.475	ug/l #	86
7) Trichlorofluoromethane	1.76	101	1496	2.034	ug/l	96
8) Diethyl Ether	1.96	74	1177	2.544	ug/l	57
9) 1,1,2-Trichlorotrifluoroet	2.14	101	2079	2.274	ug/l	97
10) Methyl Iodide	2.25	142	3478	2.384	ug/l	99
11) Tert butyl alcohol	2.65	59	2318	30.686	ug/l #	72
12) 1,1-Dichloroethene	2.13	96	2209	2.461	ug/l	99
13) Acrolein	2.06	56	846	14.256	ug/l	99
14) Allyl chloride	2.42	41	3764	2.433	ug/l	98
15) Acrylonitrile	2.76	53	2562	12.783	ug/l	95
16) Acetone	2.18	43	4765	16.996	ug/l	93
17) Carbon Disulfide	2.31	76	6594	2.402	ug/l #	94
18) Methyl Acetate	2.44	43	2674	3.571	ug/l #	86
19) Methyl tert-butyl Ether	2.80	73	3663	2.629	ug/l #	88
20) Methylene Chloride	2.52	84	6402	6.130	ug/l	92
21) trans-1,2-Dichloroethene	2.78	96	2294	2.372	ug/l	96
22) Diisopropyl ether	3.33	45	7670	2.329	ug/l	96
23) Vinyl Acetate	3.30	43	20542	11.494	ug/l	100
24) 1,1-Dichloroethane	3.22	63	5073	2.476	ug/l	97
25) 2-Butanone	4.02	43	4029	12.567	ug/l	96
26) 2,2-Dichloropropane	3.95	77	2287	1.983	ug/l	94
27) cis-1,2-Dichloroethene	3.96	96	2858	2.446	ug/l	93
28) Bromochloromethane	4.29	49	1757	2.323	ug/l #	91
29) Tetrahydrofuran	4.39	42	2421	13.884	ug/l #	70
30) Chloroform	4.42	83	4739	2.303	ug/l	97
31) Cyclohexane	4.72	56	5911	3.160	ug/l #	64
32) 1,1,1-Trichloroethane	4.65	97	3893	2.244	ug/l	98
36) 1,1-Dichloropropene	4.88	75	3969	2.422	ug/l	92
37) Ethyl Acetate	4.13	43	1623m	2.577	ug/l	
38) Carbon Tetrachloride	4.87	117	3551	2.164	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:50:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	4395	2.264	ug/l	92
40) Benzene	5.14	78	10597	2.312	ug/l	98
41) Methacrylonitrile	4.31	41	769	2.026	ug/l #	90
42) 1,2-Dichloroethane	5.18	62	3102	2.162	ug/l	91
43) Isopropyl Acetate	5.33	43	3057	2.467	ug/l #	90
44) Trichloroethene	5.96	130	2714	2.250	ug/l	94
45) 1,2-Dichloropropane	6.22	63	2543	2.306	ug/l #	87
46) Dibromomethane	6.35	93	1444	2.552	ug/l	96
47) Bromodichloromethane	6.55	83	3219	2.153	ug/l	99
48) Methyl methacrylate	6.42	41	1457	2.304	ug/l	96
49) 1,4-Dioxane	6.42	88	290	40.236	ug/l #	76
51) 4-Methyl-2-Pentanone	7.27	43	7671	12.199	ug/l	100
52) Toluene	7.43	92	6793	2.342	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	3046	2.093	ug/l	97
54) cis-1,3-Dichloropropene	7.07	75	3657	2.182	ug/l #	85
55) 1,1,2-Trichloroethane	7.88	97	1909	2.395	ug/l #	86
56) Ethyl methacrylate	7.84	69	1963	2.113	ug/l	98
57) 1,3-Dichloropropane	8.06	76	3388	2.347	ug/l	95
59) 2-Hexanone	8.19	43	5340	11.741	ug/l	95
60) Dibromochloromethane	8.29	129	1911	2.047	ug/l	99
61) 1,2-Dibromoethane	8.40	107	1579	2.025	ug/l	93
64) Tetrachloroethene	8.02	164	2215	2.344	ug/l	97
65) Chlorobenzene	8.93	112	7869	2.547	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.02	131	2290	2.169	ug/l	94
67) Ethyl Benzene	9.05	91	12764	2.319	ug/l	95
68) m/p-Xylenes	9.18	106	9252	4.427	ug/l	95
69) o-Xylene	9.59	106	4103	2.118	ug/l	92
70) Styrene	9.60	104	6439	2.082	ug/l	96
71) Bromoform	9.78	173	977	1.962	ug/l #	88
73) Isopropylbenzene	9.97	105	12024	2.271	ug/l	99
74) N-amyl acetate	9.84	43	2317	2.367	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	10.28	83	2204	2.470	ug/l	97
76) 1,2,3-Trichloropropane	10.32	75	1988m	2.832	ug/l	
77) Bromobenzene	10.26	156	2833	2.502	ug/l	95
78) n-propylbenzene	10.40	91	15136	2.412	ug/l	98
79) 2-Chlorotoluene	10.47	91	8801	2.324	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	10104	2.276	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.05	75	402m	1.621	ug/l	
82) 4-Chlorotoluene	10.59	91	10769	2.415	ug/l	98
83) tert-Butylbenzene	10.91	119	9618	2.275	ug/l	97
84) 1,2,4-Trimethylbenzene	10.96	105	10122	2.260	ug/l	99
85) sec-Butylbenzene	11.13	105	13129	2.371	ug/l	96
86) p-Isopropyltoluene	11.29	119	11361	2.343	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	5788	2.462	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	6341	2.668	ug/l	90
89) n-Butylbenzene	11.70	91	11705	2.487	ug/l	96
90) Hexachloroethane	11.95	117	1951	2.263	ug/l	96
91) 1,2-Dichlorobenzene	11.69	146	5204	2.507	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.48	75	353	2.356	ug/l	73
93) 1,2,4-Trichlorobenzene	13.31	180	3668	2.745	ug/l	98

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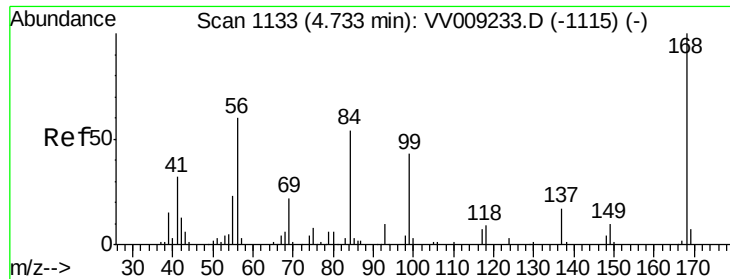
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	2180	2.633	ug/l	97
95) Naphthalene	13.56	128	6106	2.643	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.79	180	3302	2.919	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:168 Resp: 84734

Ion Ratio Lower Upper

168 100

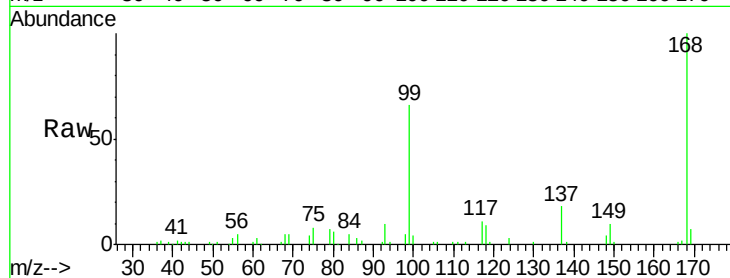
99 65.3 50.9 76.3

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1/24/2019 11:44:36 AM



Abundance Ion 167.90 (167.60 to 168.60): VV009233.D (-1115) (-)

Ion 98.90 (98.60 to 99.60): VV009233.D (-1115) (-)

4.73

40000

30000

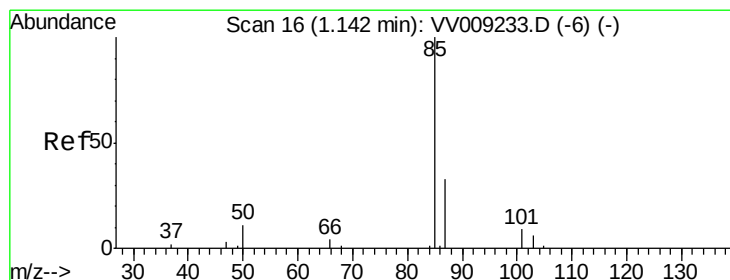
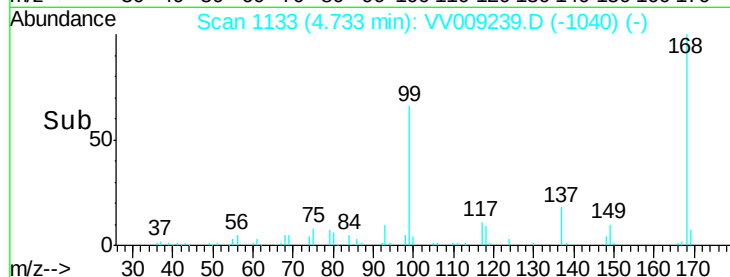
20000

10000

0

4.60 4.70 4.80 4.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.777 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009239.D

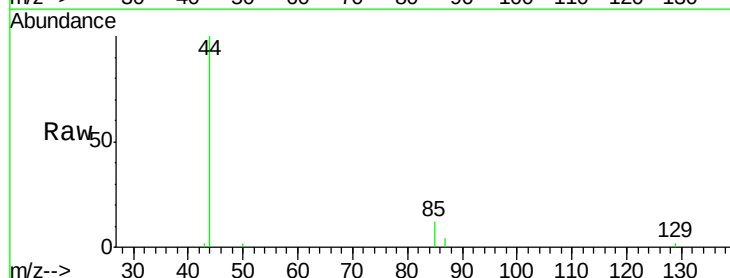
Acq: 22 Jan 2019 17:09

Tgt Ion: 85 Resp: 1218

Ion Ratio Lower Upper

85 100

87 35.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VV009233.D (-6) (-)

Ion 86.90 (86.60 to 87.60): VV009233.D (-6) (-)

1.14

800

600

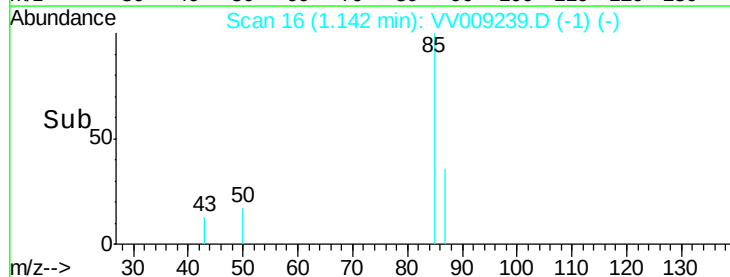
400

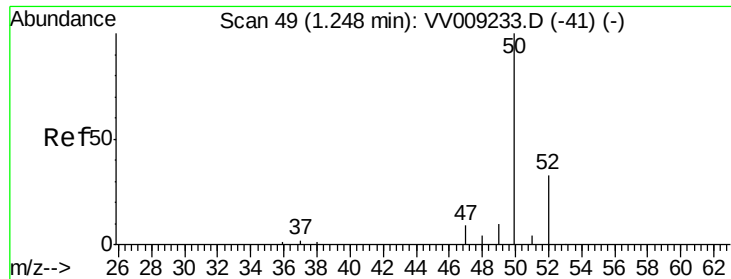
200

0

1.10 1.12 1.14 1.16 1.18

Time-->





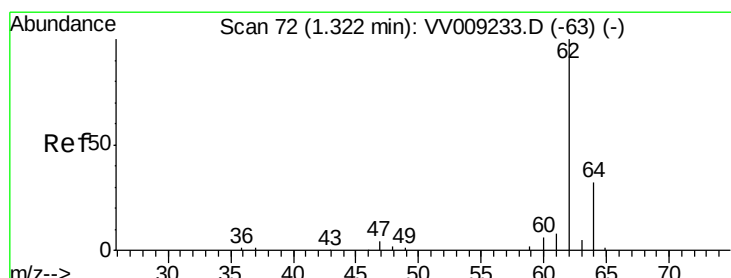
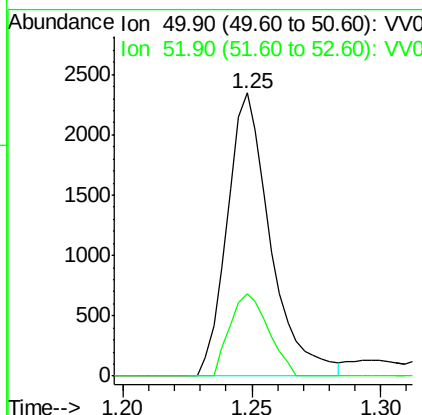
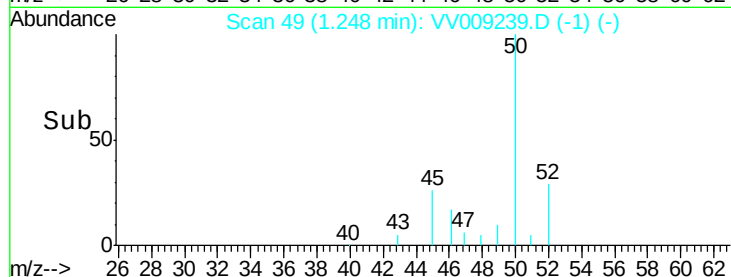
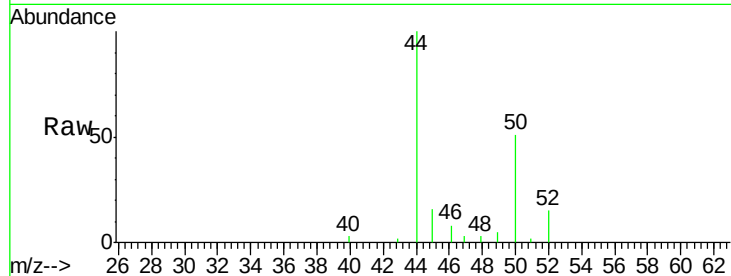
#3
 Chloromethane
 Concen: 2.980 ug/l
 RT: 1.25 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
50	100		
52	29.2	26.3	39.5

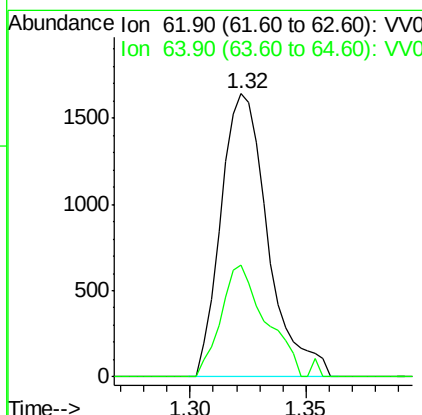
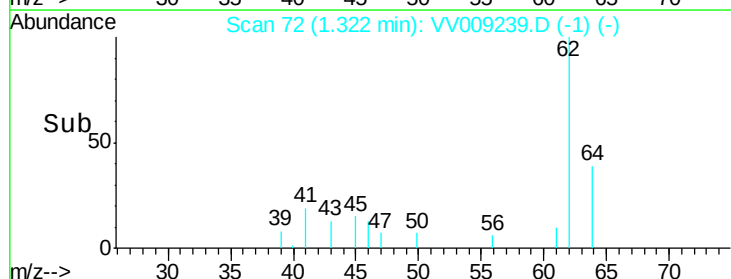
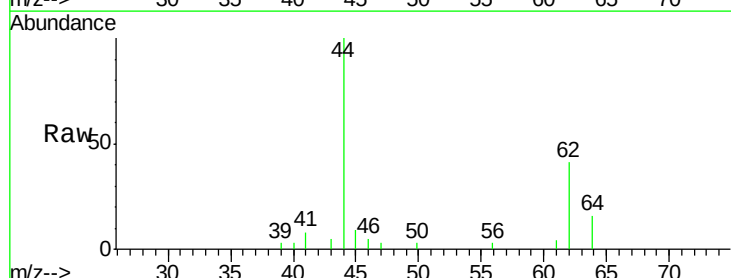
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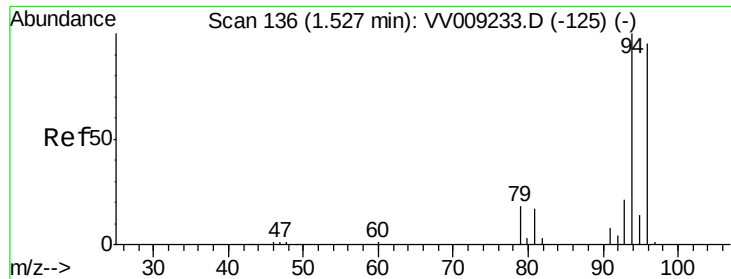
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#4
 Vinyl Chloride
 Concen: 2.205 ug/l
 RT: 1.32 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
62	100		
64	39.5	25.4	38.0#





#5

Bromomethane

Concen: 2.887 ug/l

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 94 Resp: 1716

Ion Ratio Lower Upper

94 100

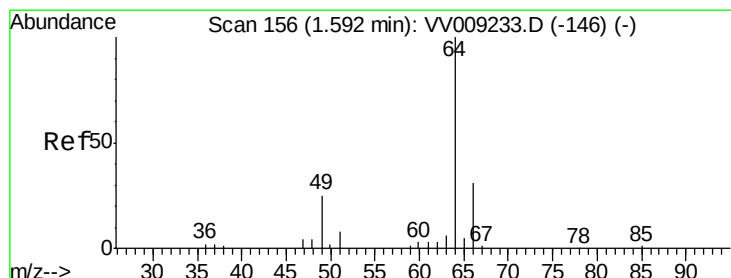
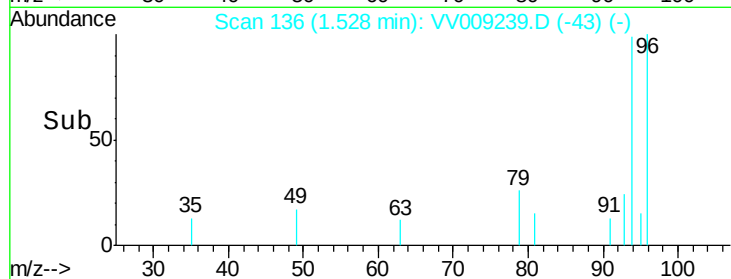
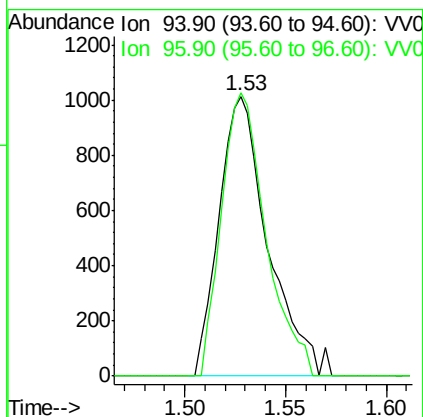
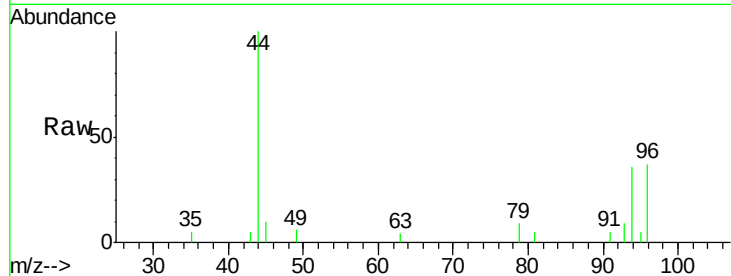
96 101.2 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 2.475 ug/l

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009239.D

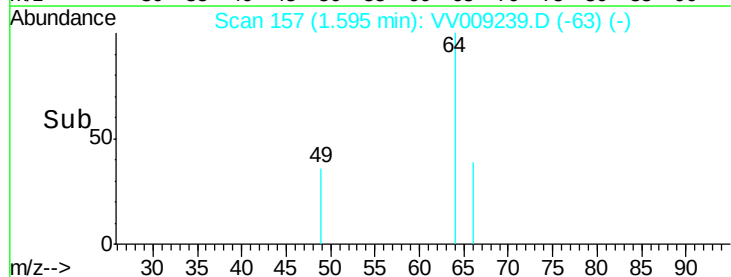
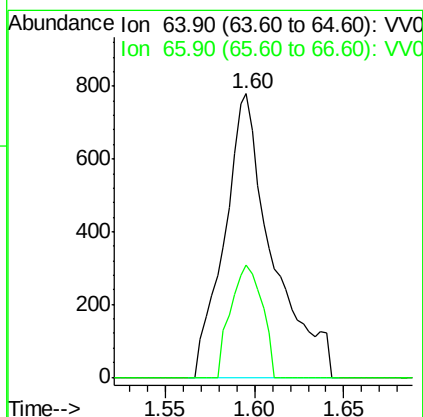
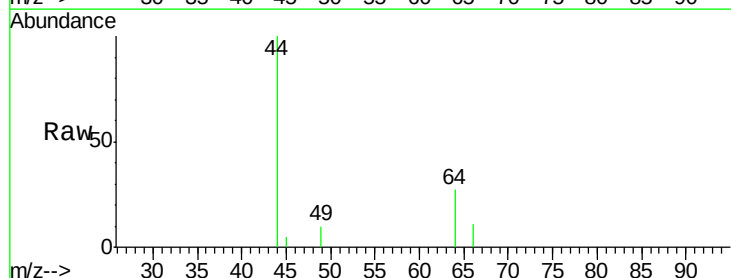
Acq: 22 Jan 2019 17:09

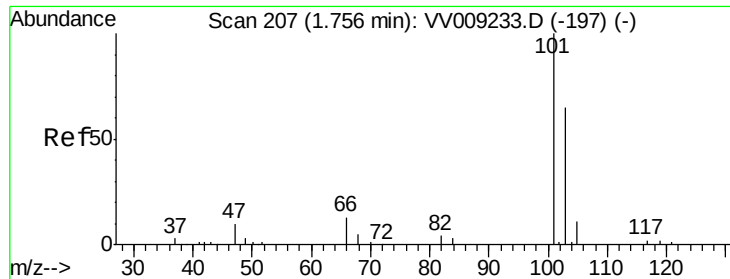
Tgt Ion: 64 Resp: 1450

Ion Ratio Lower Upper

64 100

66 39.4 25.1 37.7#





#7

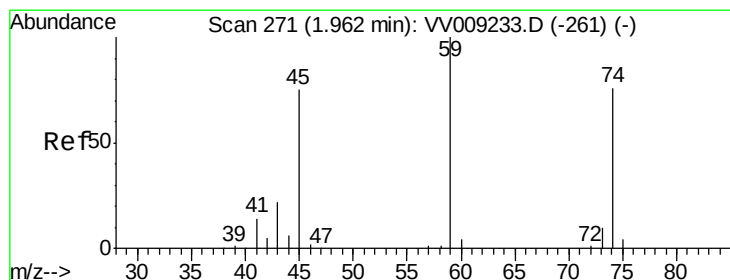
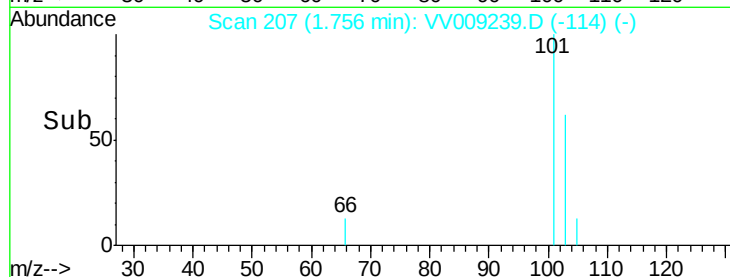
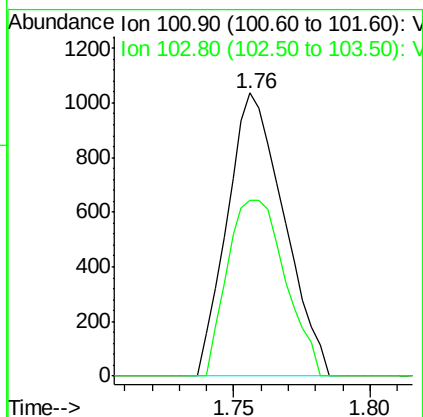
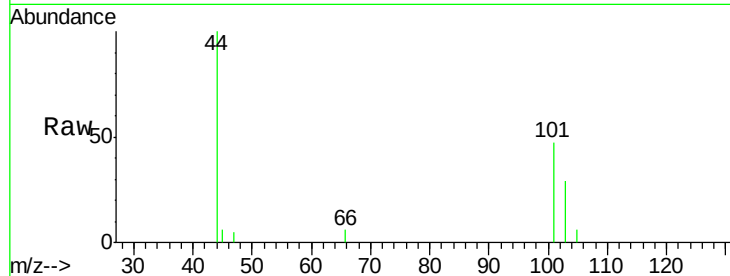
Trichlorofluoromethane
Concen: 2.034 ug/l
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:101 Resp: 1496
Ion Ratio Lower Upper
101 100
103 62.0 52.2 78.4

Manual Integrations
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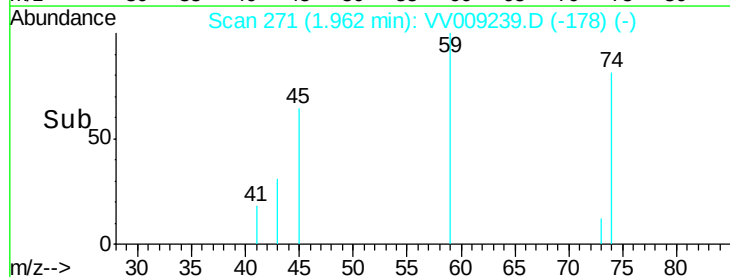
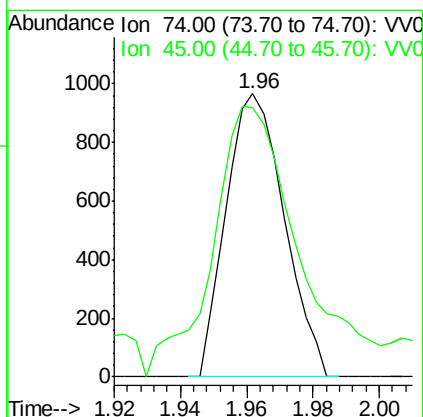
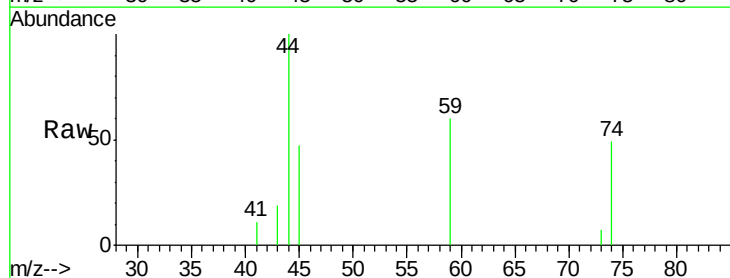
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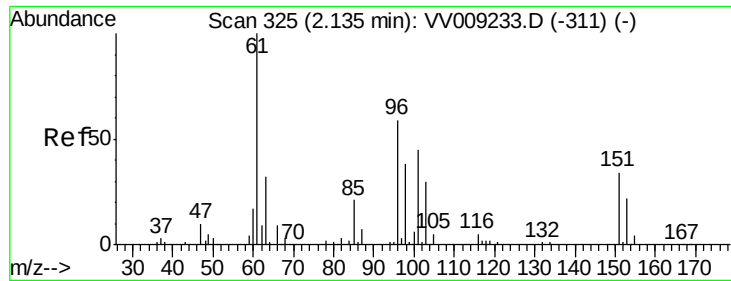


#8

Diethyl Ether
Concen: 2.544 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion: 74 Resp: 1177
Ion Ratio Lower Upper
74 100
45 141.1 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.274 ug/l

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

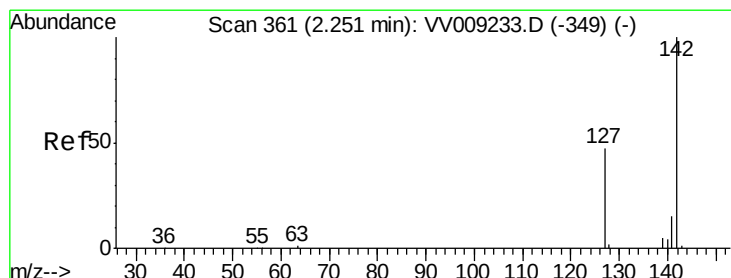
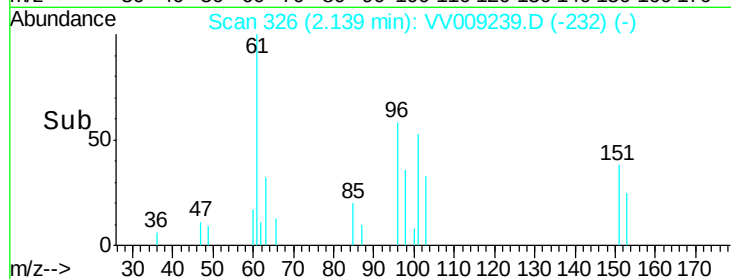
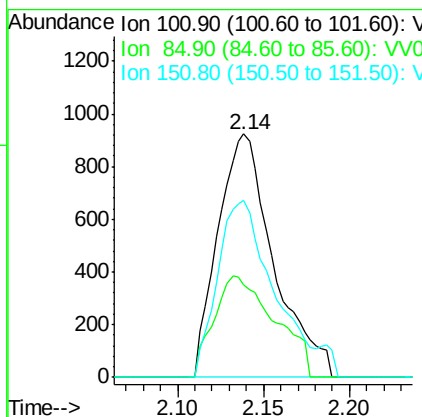
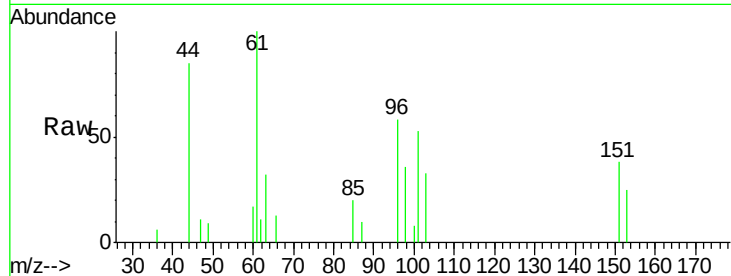
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	2079
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.3	52.9
151	72.7	60.1	90.1

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#10

Methyl Iodide

Concen: 2.384 ug/l

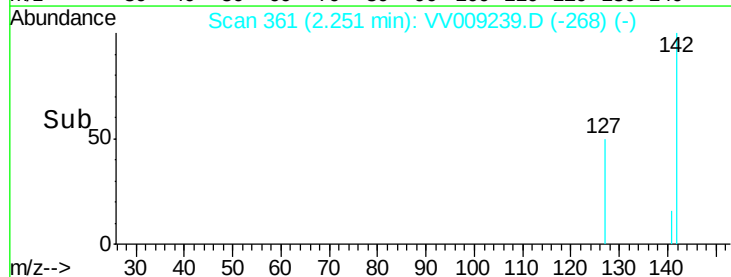
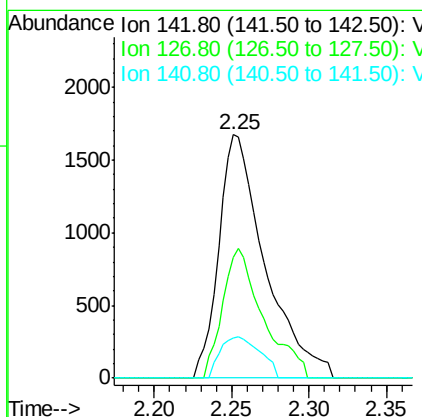
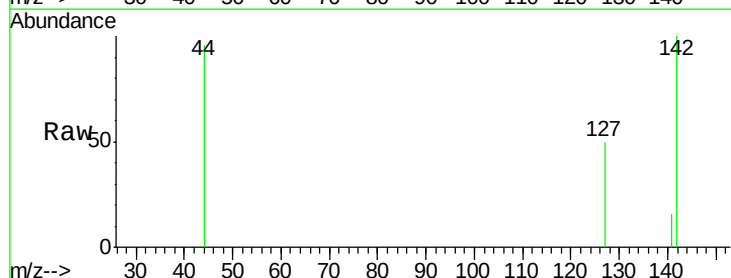
RT: 2.25 min Scan# 361

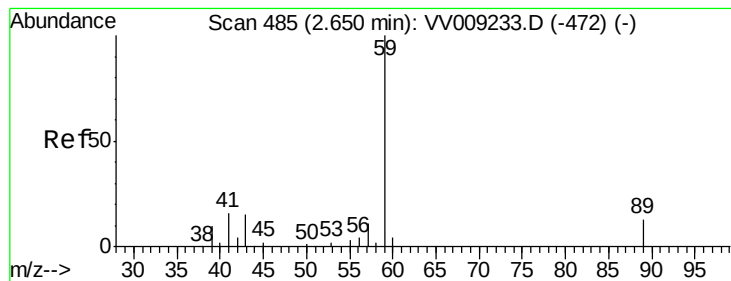
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion:	142	Resp:	3478
Ion Ratio	Lower	Upper	
142	100		
127	46.6	37.9	56.9
141	14.7	11.7	17.5





#11

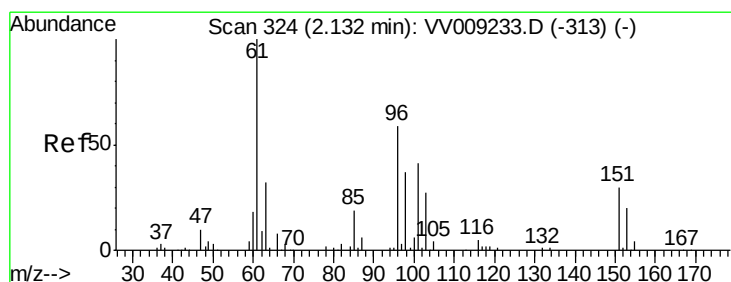
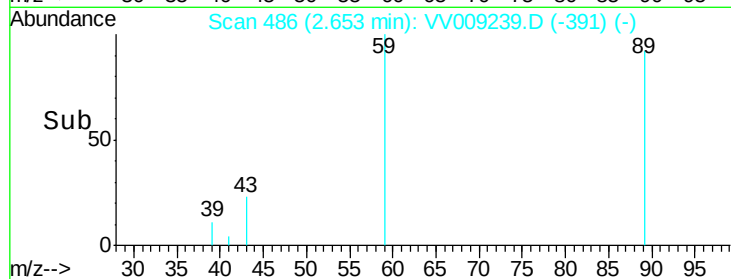
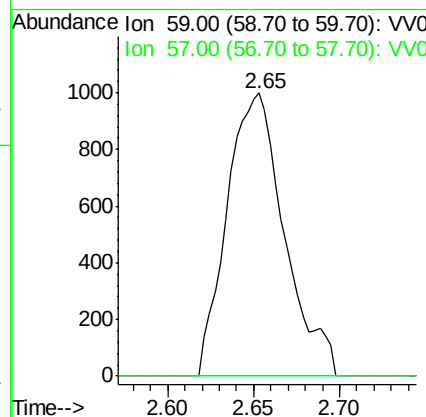
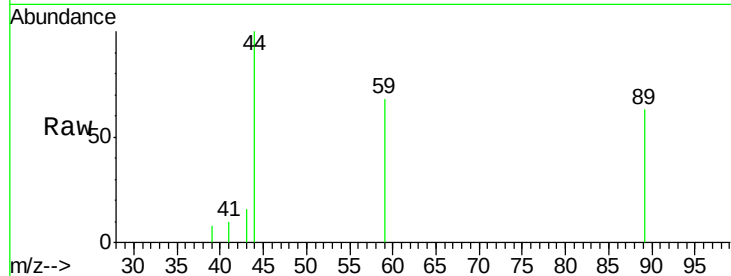
Tert butyl alcohol
Concen: 30.686 ug/l
RT: 2.65 min Scan# 486
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 59 Resp: 2318
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

Manual Integrations
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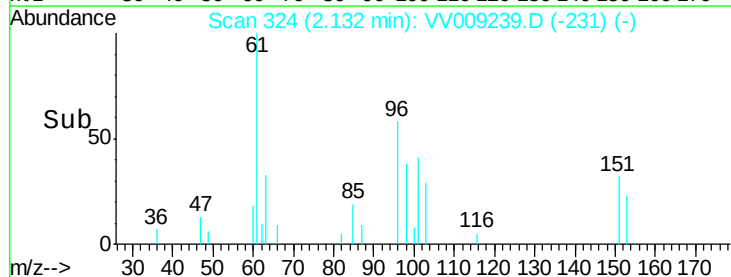
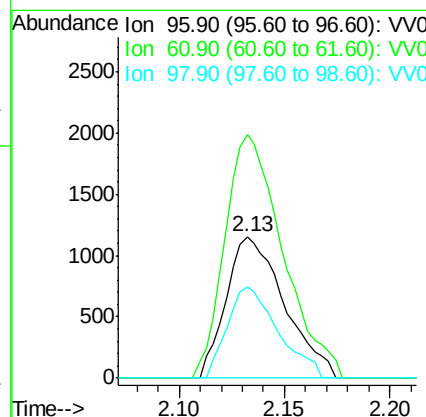
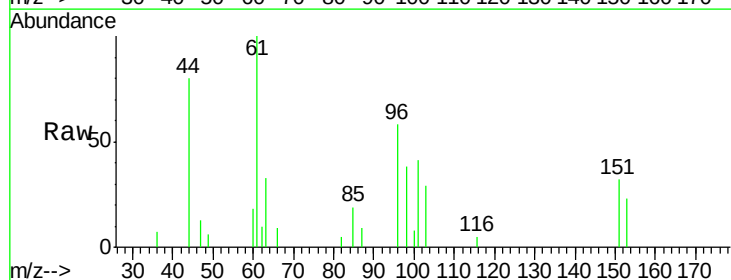
MMDadoda
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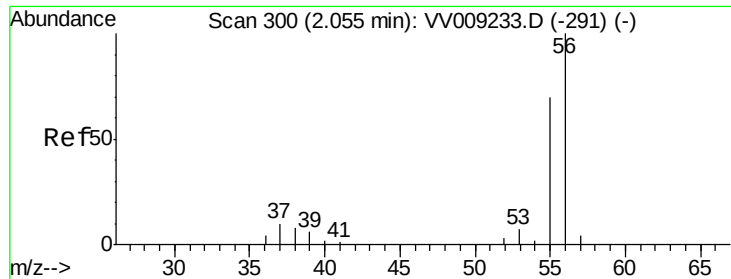


#12

1,1-Dichloroethene
Concen: 2.461 ug/l
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion: 96 Resp: 2209
Ion Ratio Lower Upper
96 100
61 171.7 136.6 205.0
98 64.7 50.6 75.8





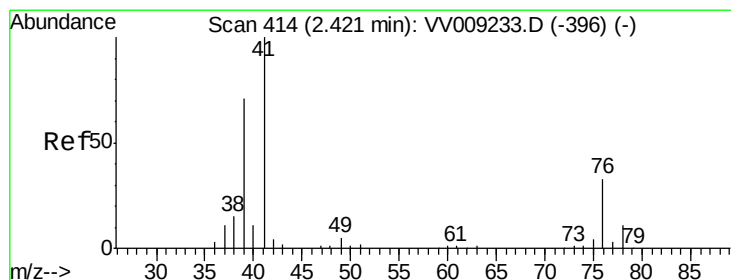
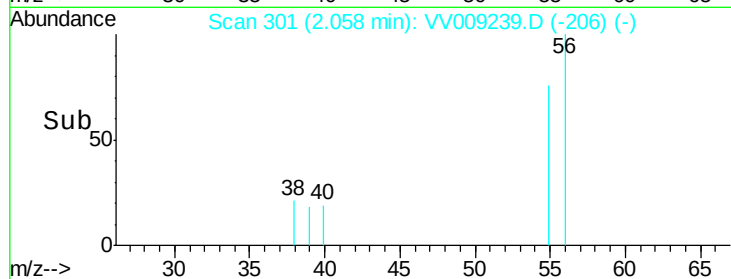
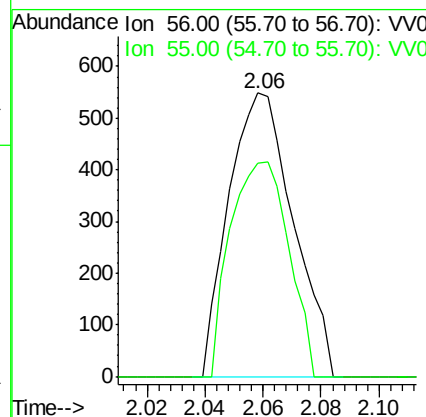
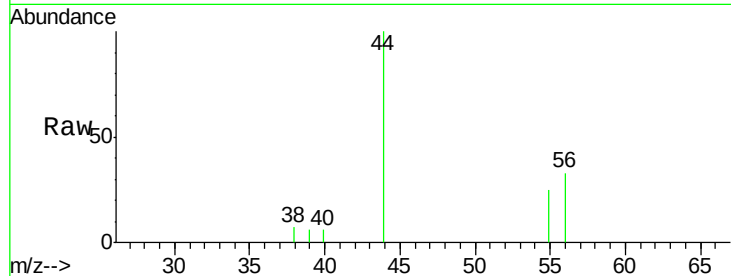
#13
Acrolein
Concen: 14.256 ug/l
RT: 2.06 min Scan# 301
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	56	Resp	846
Ion Ratio	100	Lower	Upper
55	68.4	54.0	81.0

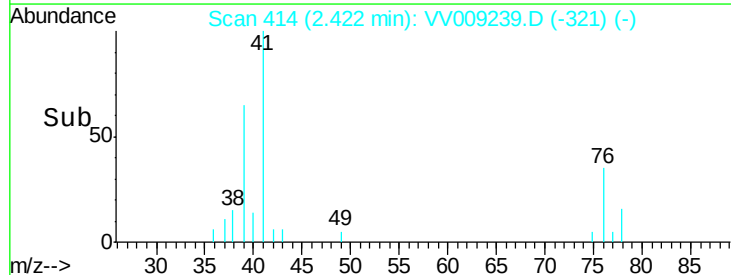
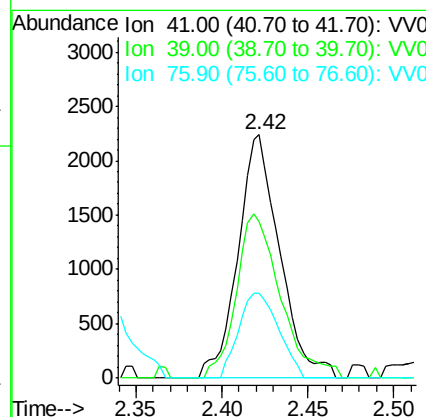
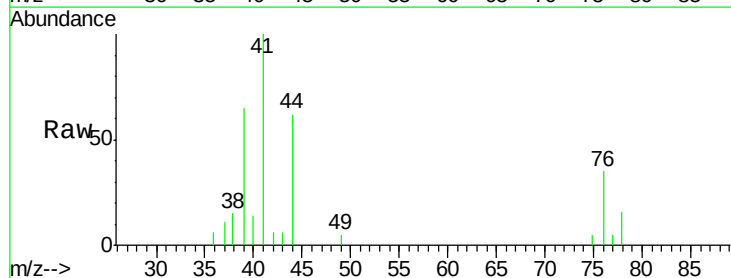
Manual Integrations
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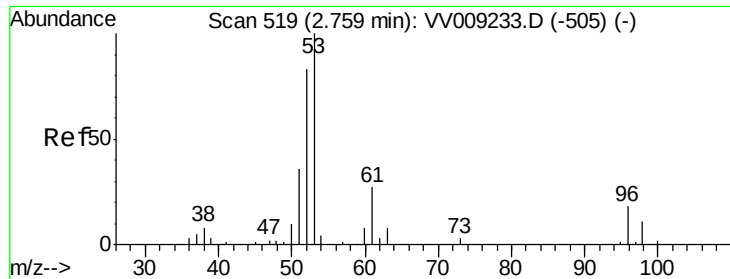
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#14
Allyl chloride
Concen: 2.433 ug/l
RT: 2.42 min Scan# 414
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	41	Resp	3764
Ion Ratio	100	Lower	Upper
39	71.7	55.1	82.7
76	33.3	26.7	40.1





#15

Acrylonitrile

Concen: 12.783 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

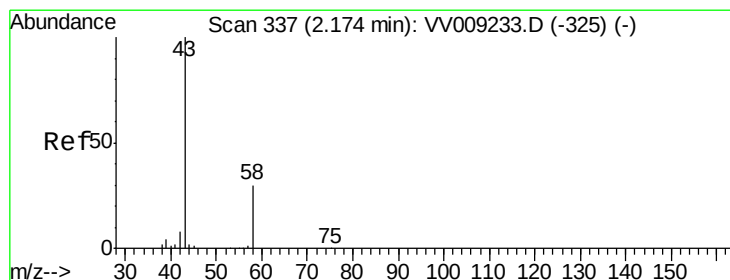
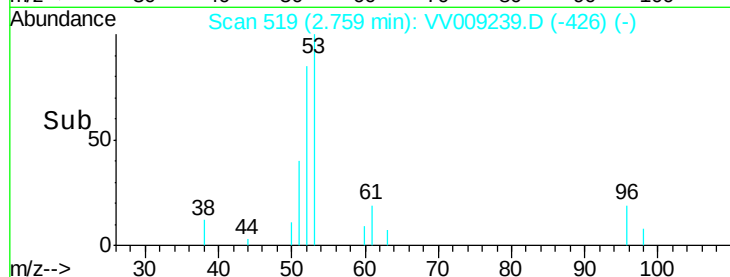
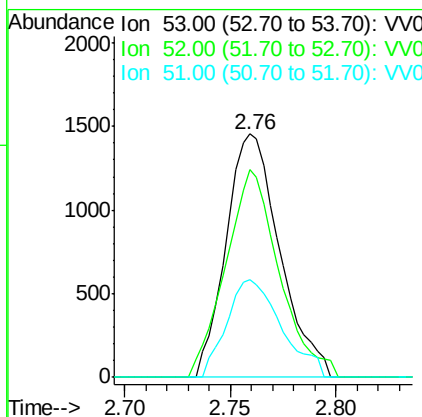
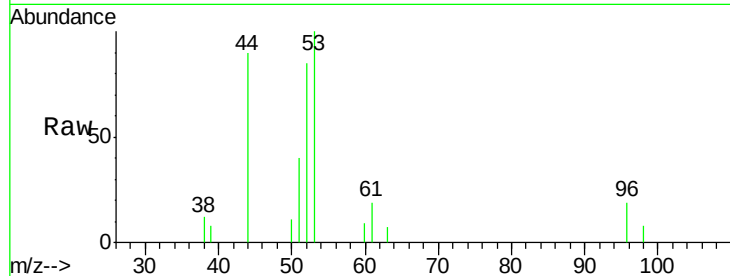
ClientSampleId :

MDL02

Tot Ion:	53	Resp:	2562
Ion	Ratio	Lower	Upper
53	100		
52	85.4	65.3	97.9
51	40.8	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 16.996 ug/l

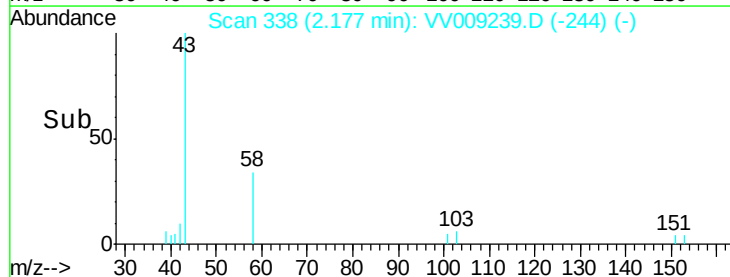
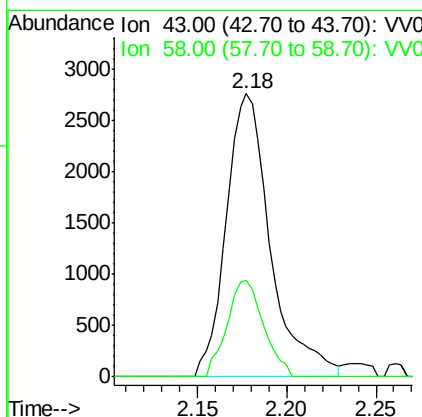
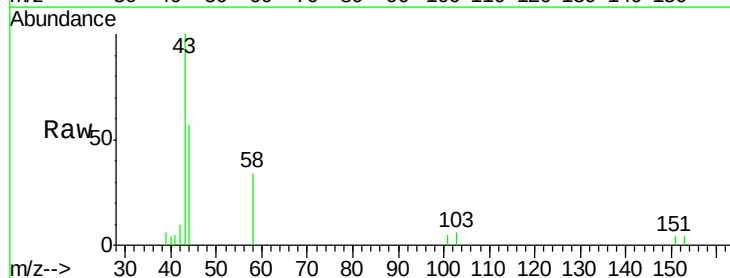
RT: 2.18 min Scan# 338

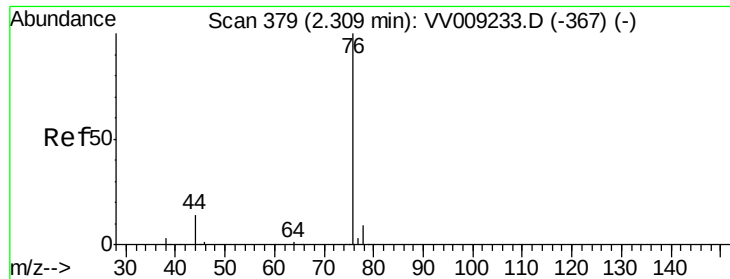
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion:	43	Resp:	4765
Ion	Ratio	Lower	Upper
43	100		
58	34.1	24.4	36.6





#17

Carbon Disulfide

Concen: 2.402 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 76 Resp: 6594

Ion Ratio Lower Upper

76 100

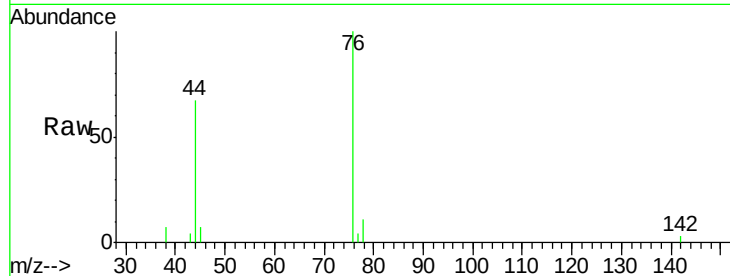
78 11.4 7.3 10.9#

Manual Integrations

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1/24/2019 11:44:36 AM



Abundance Ion 75.90 (75.60 to 76.60): VV009239.D (-367) (-)

Ion 77.90 (77.60 to 78.60): VV009239.D (-367) (-)

2.31

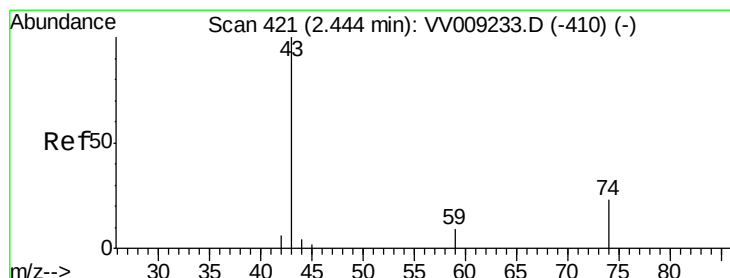
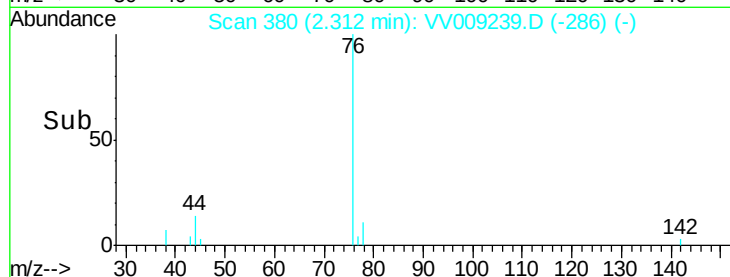
3000

2000

1000

0

Time-->



#18

Methyl Acetate

Concen: 3.571 ug/l

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV009239.D

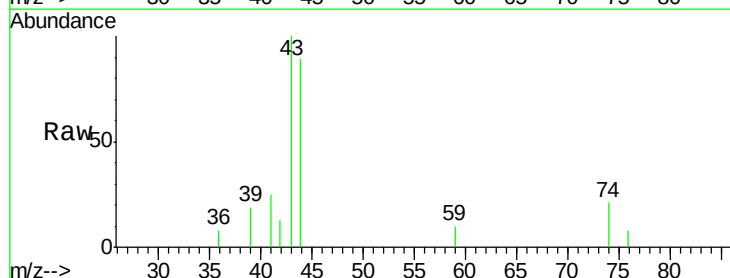
Acq: 22 Jan 2019 17:09

Tgt Ion: 43 Resp: 2674

Ion Ratio Lower Upper

43 100

74 17.7 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VV009239.D (-328) (-)

Ion 74.00 (73.70 to 74.70): VV009239.D (-328) (-)

2.44

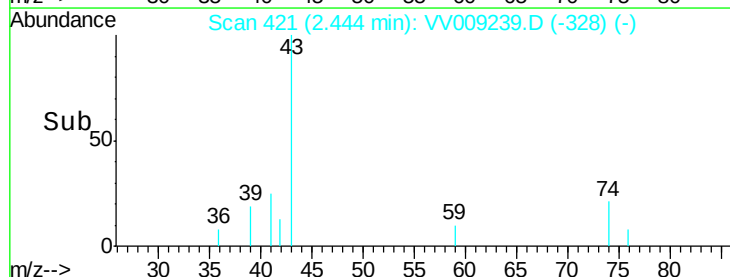
1500

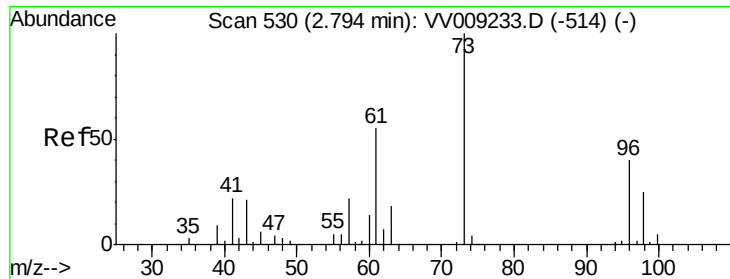
1000

500

0

Time-->





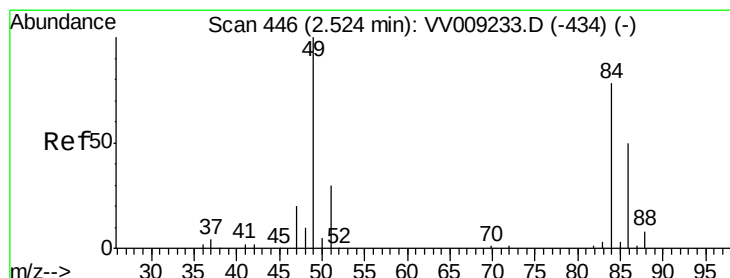
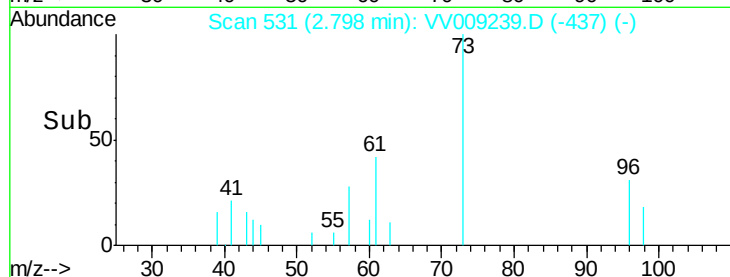
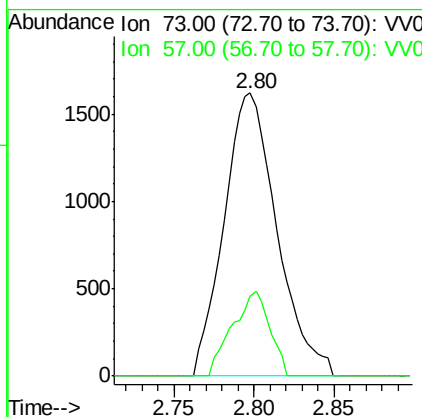
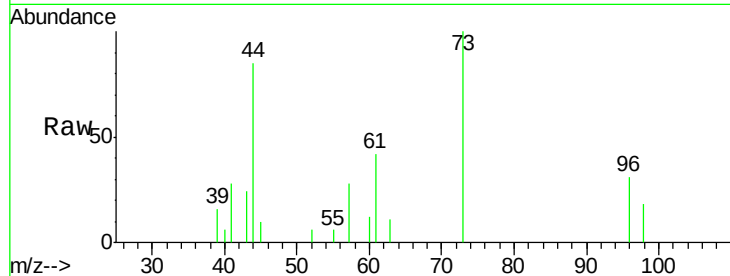
#19
Methyl tert-butyl Ether
Concen: 2.629 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 73 Resp: 3663
Ion Ratio Lower Upper
73 100
57 28.1 18.0 27.0#

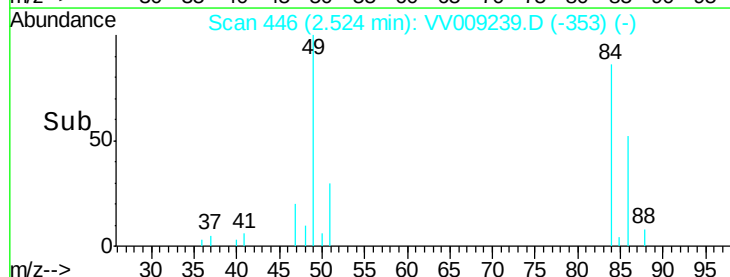
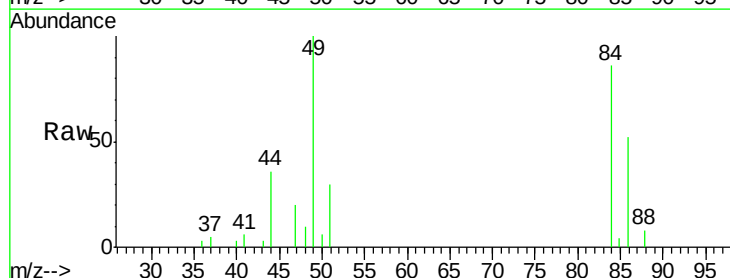
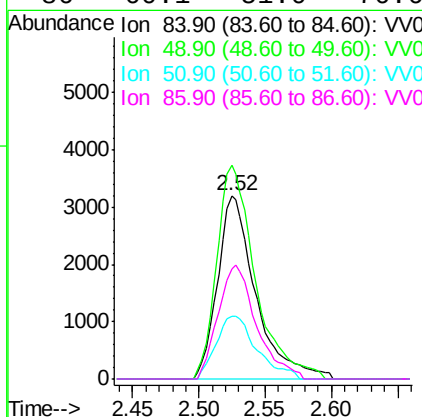
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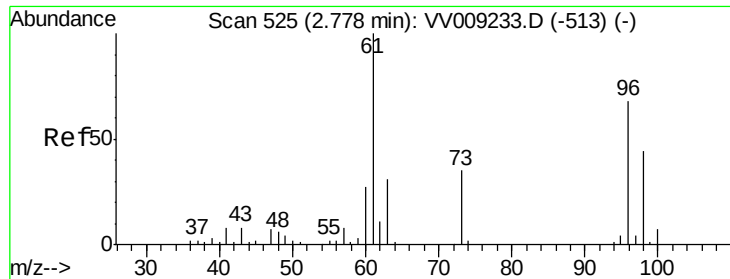
MMDadoda
1/24/2019 11:44:36 AM



#20
Methylene Chloride
Concen: 6.130 ug/l
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion: 84 Resp: 6402
Ion Ratio Lower Upper
84 100
49 116.4 102.0 153.0
51 34.5 30.9 46.3
86 60.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 2.372 ug/l

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 96 Resp: 2294

Ion Ratio Lower Upper

96 100

61 140.3 117.7 176.5

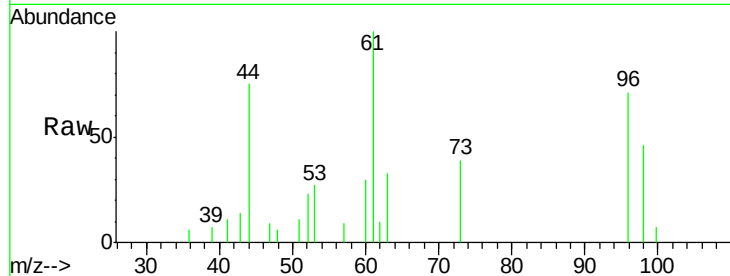
98 63.9 51.5 77.3

Manual Integrations

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MMDadoda

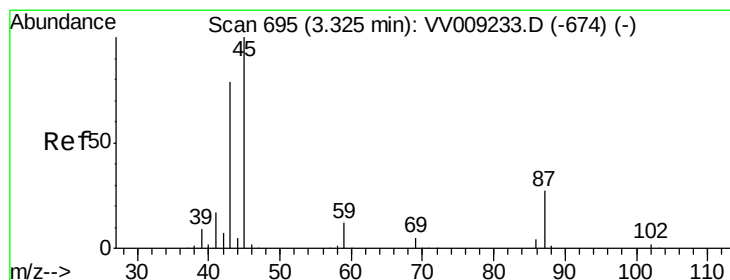
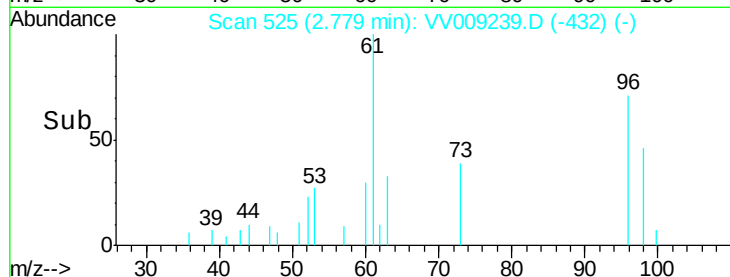
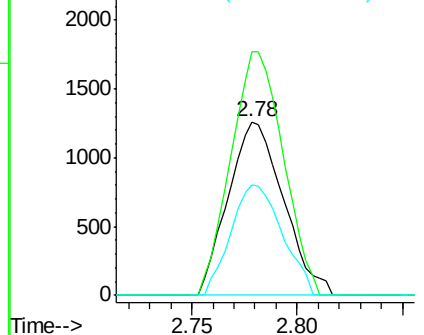
1/24/2019 11:44:36 AM



Abundance Ion 95.90 (95.60 to 96.60): VV009239.D (-432) (-)

Ion 60.90 (60.60 to 61.60): VV009239.D (-432) (-)

Ion 97.90 (97.60 to 98.60): VV009239.D (-432) (-)



#22

Diisopropyl ether

Concen: 2.329 ug/l

RT: 3.33 min Scan# 696

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion: 45 Resp: 7670

Ion Ratio Lower Upper

45 100

43 81.2 63.0 94.4

87 30.5 21.5 32.3

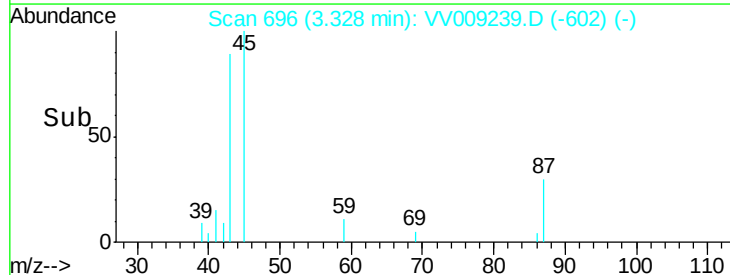
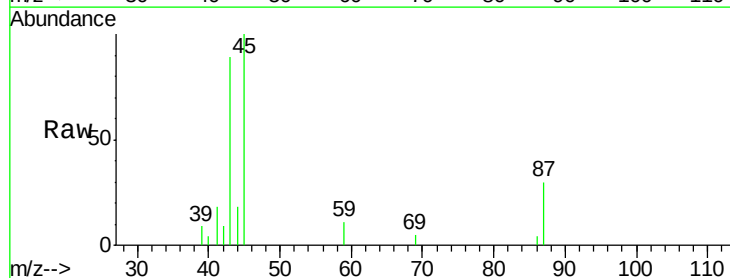
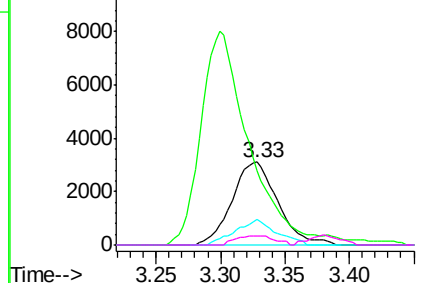
59 10.9 9.3 13.9

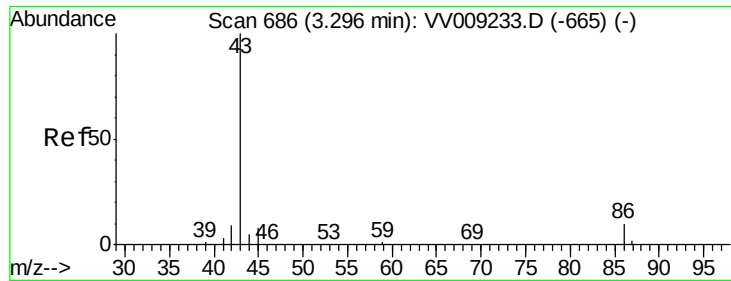
Abundance Ion 45.00 (44.70 to 45.70): VV009239.D (-602) (-)

Ion 43.00 (42.70 to 43.70): VV009239.D (-602) (-)

Ion 87.00 (86.70 to 87.70): VV009239.D (-602) (-)

Ion 59.00 (58.70 to 59.70): VV009239.D (-602) (-)





#23

Vinyl Acetate

Concen: 11.494 ug/l

RT: 3.30 min Scan# 687

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 20542

Ion Ratio Lower Upper

43 100

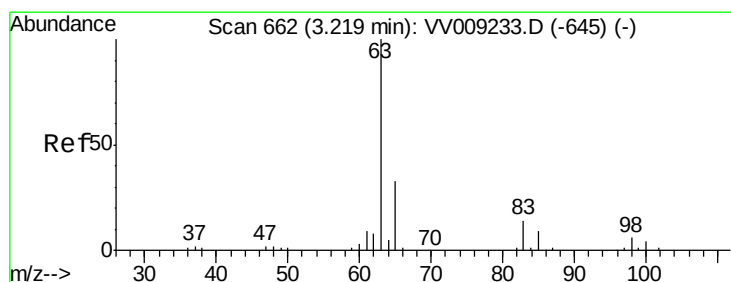
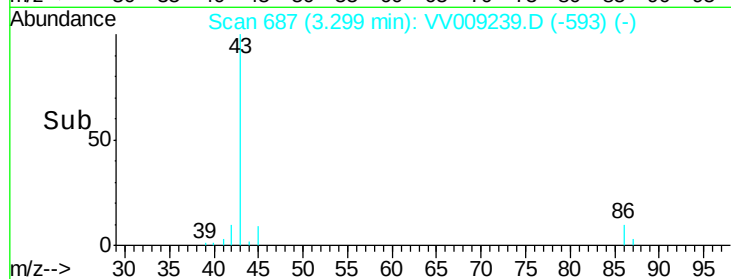
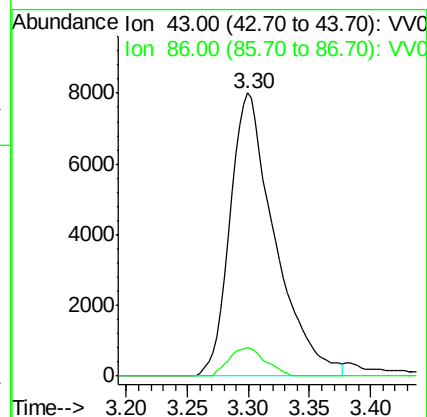
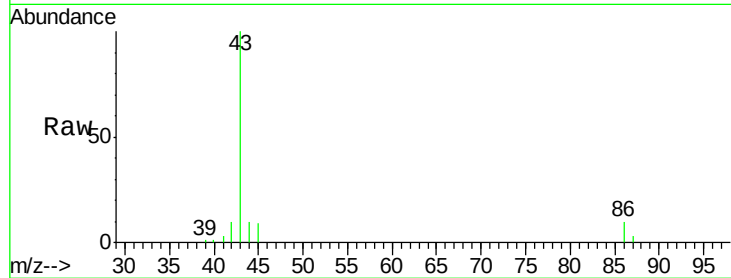
86 9.9 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 2.476 ug/l

RT: 3.22 min Scan# 662

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

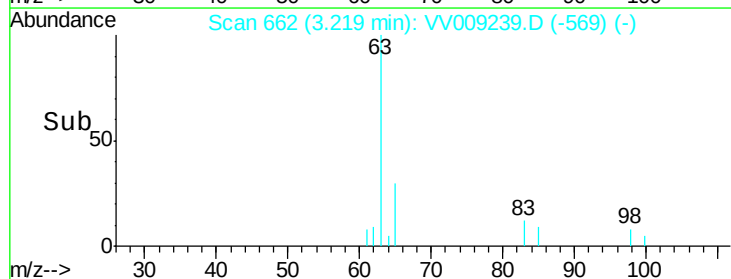
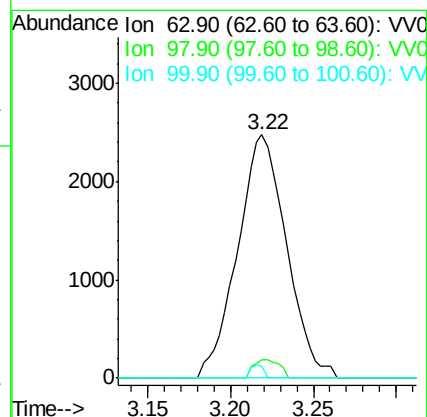
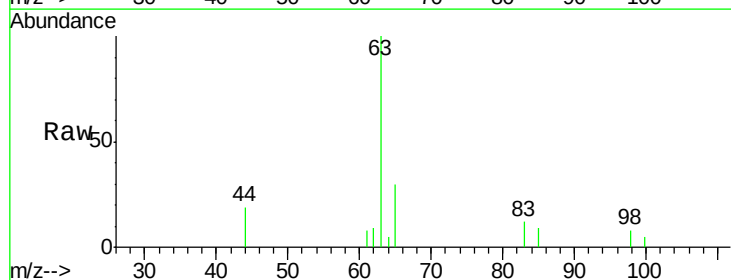
Tgt Ion: 63 Resp: 5073

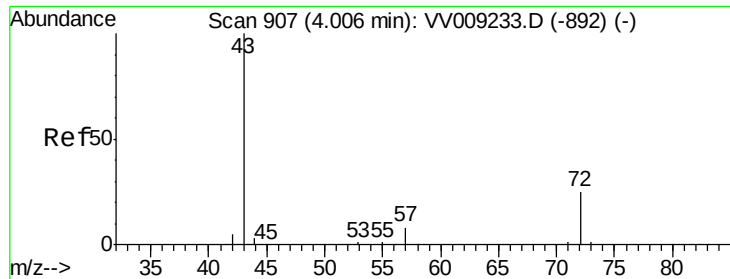
Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.8

100 5.1 2.2 6.6





#25

2-Butanone

Concen: 12.567 ug/l

RT: 4.02 min Scan# 912

Delta R.T. 0.02 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 43 Resp: 4029

Ion Ratio Lower Upper

43 100

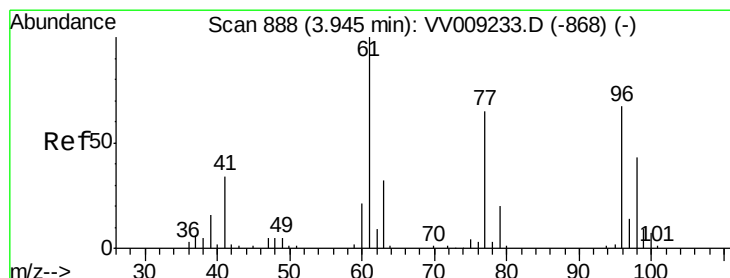
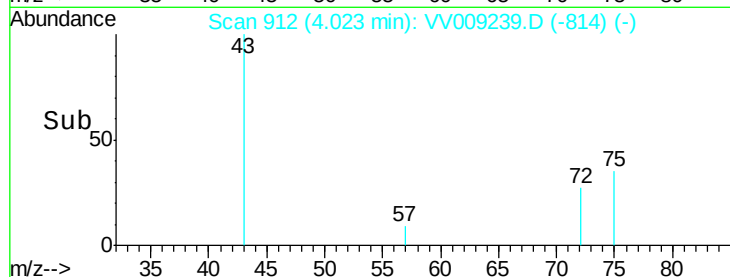
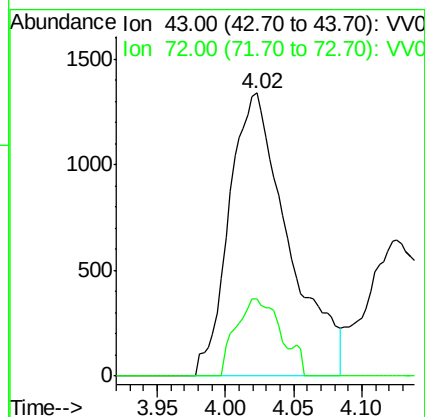
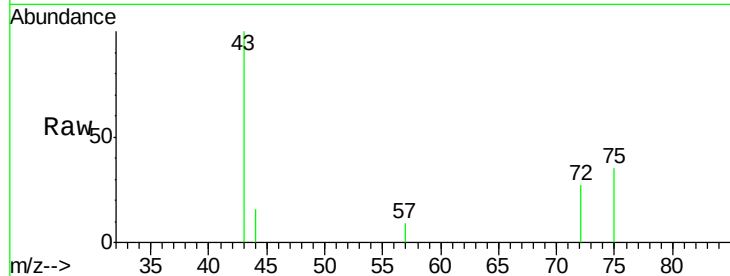
72 27.2 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 1.983 ug/l

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VV009239.D

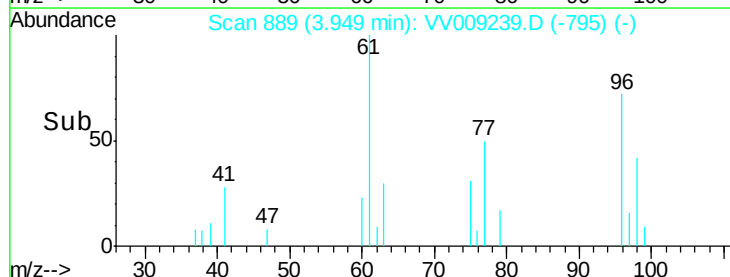
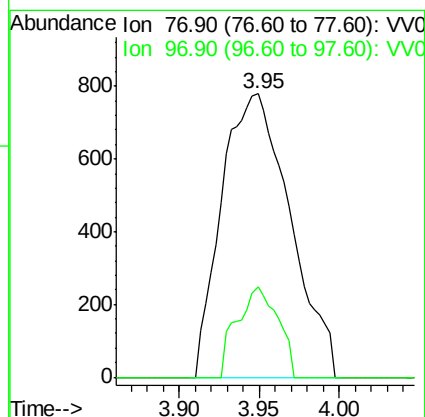
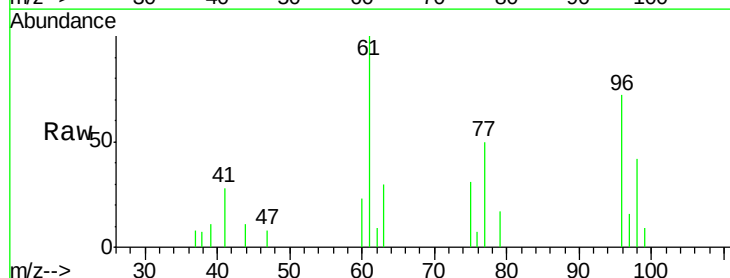
Acq: 22 Jan 2019 17:09

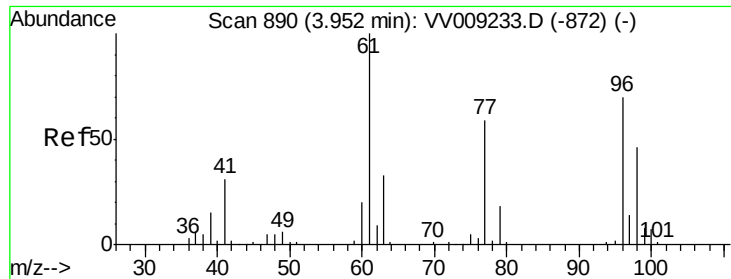
Tgt Ion: 77 Resp: 2287

Ion Ratio Lower Upper

77 100

97 18.9 10.9 32.6





#27

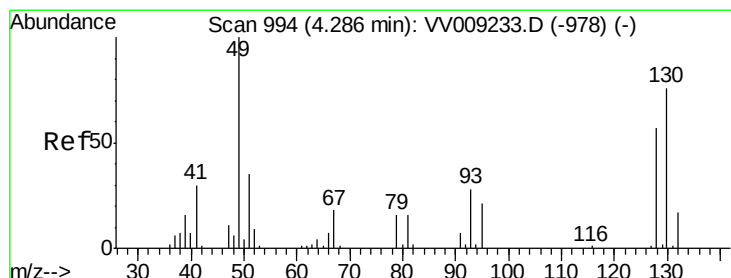
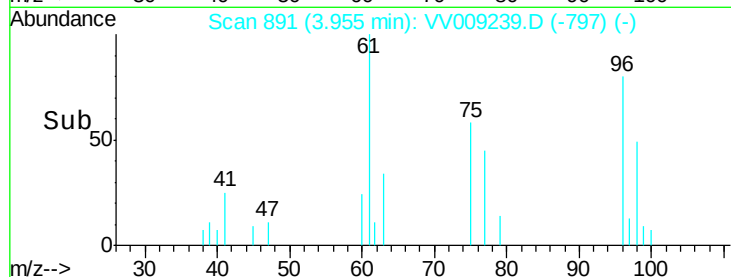
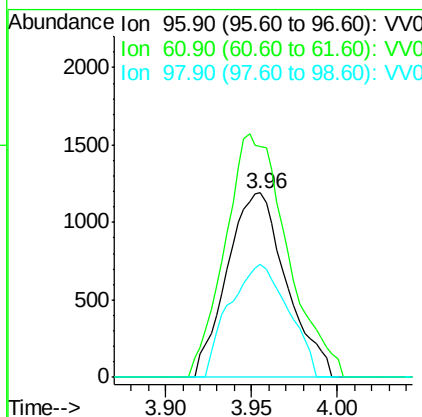
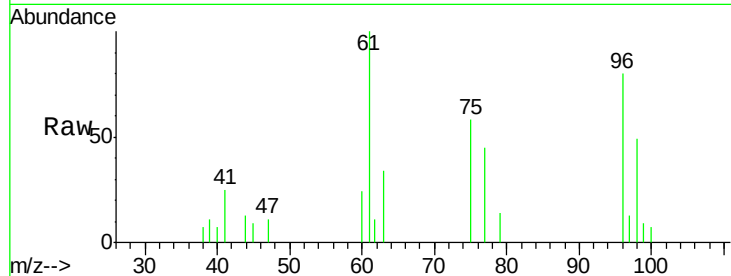
cis-1,2-Dichloroethene
Concen: 2.446 ug/l
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	2858		
61	138.3		0.0	296.4
98	61.0		0.0	130.0

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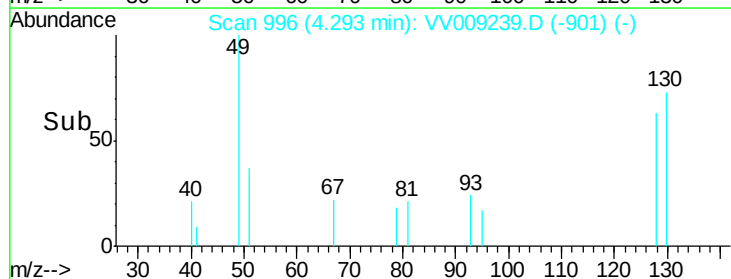
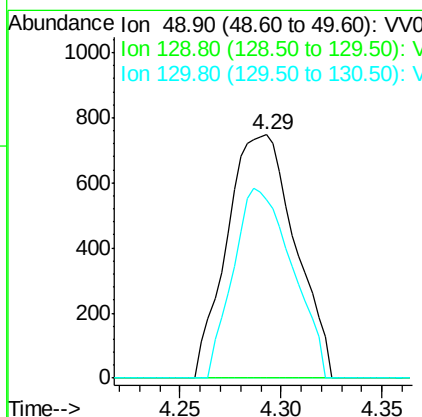
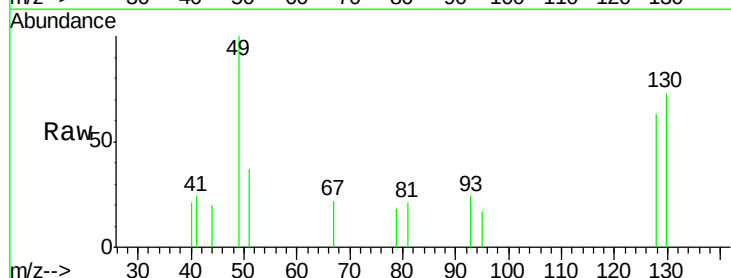
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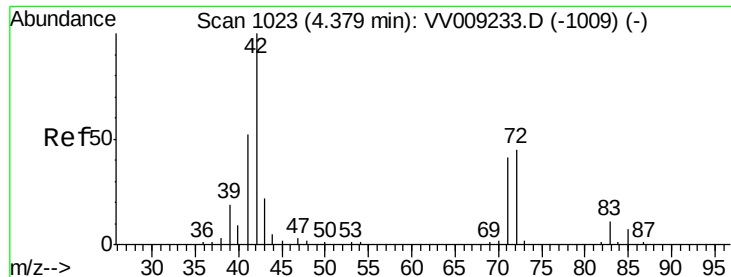


#28

Bromochloromethane
Concen: 2.323 ug/l
RT: 4.29 min Scan# 996
Delta R.T. 0.01 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	1757		
129	0.0		0.0	3.6
130	67.9		60.2	90.4





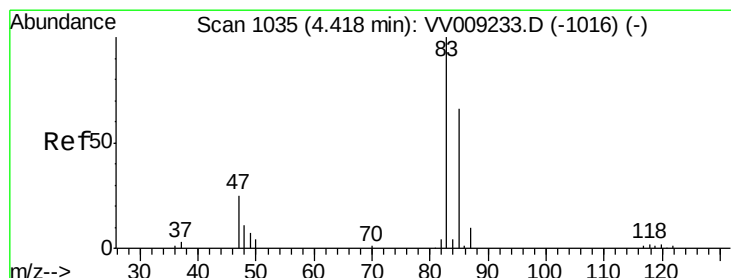
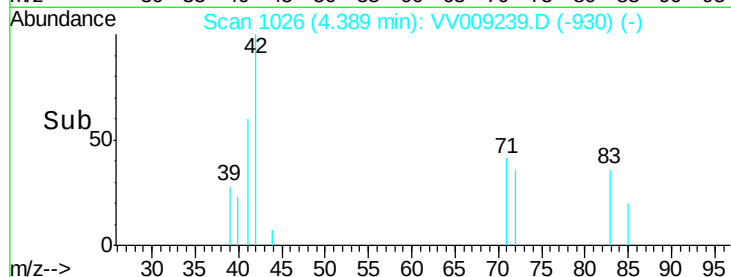
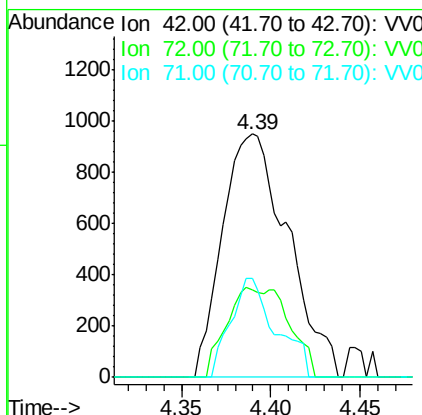
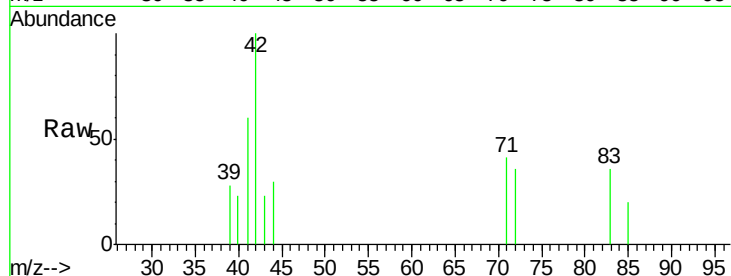
#29
Tetrahydrofuran
Concen: 13.884 ug/l
RT: 4.39 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
42	100		
72	20.8	37.7	56.5#
71	28.3	31.5	47.3#

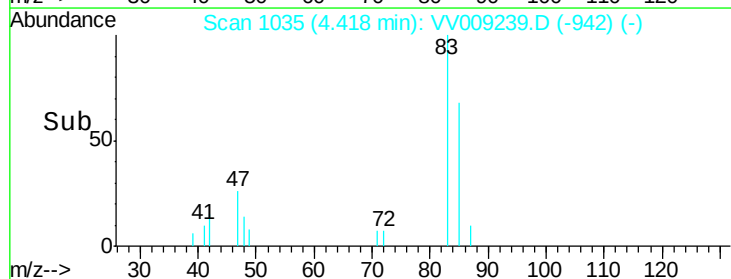
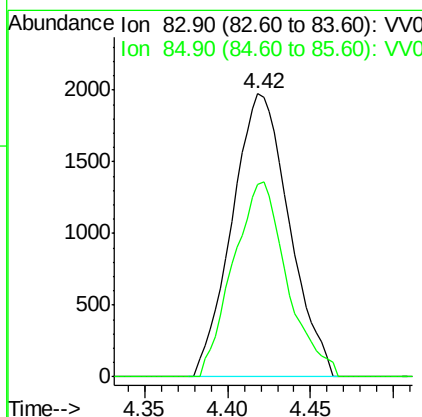
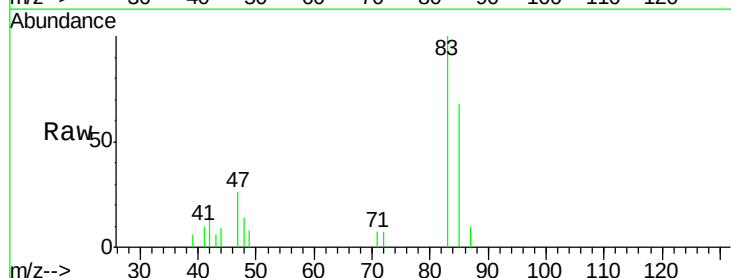
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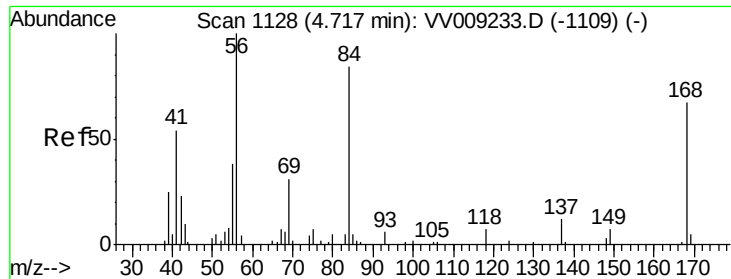
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#30
Chloroform
Concen: 2.303 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	52.6	79.0





#31

Cyclohexane

Concen: 3.160 ug/l

RT: 4.72 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

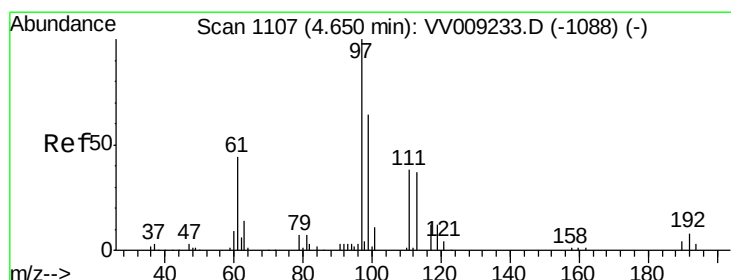
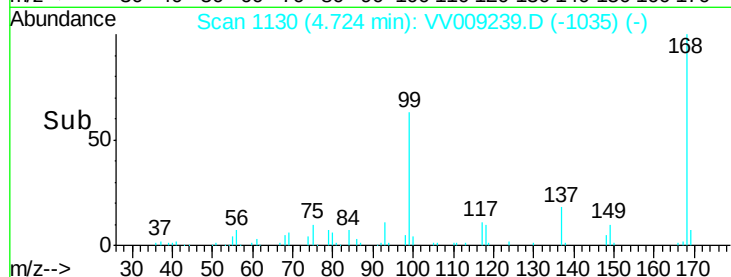
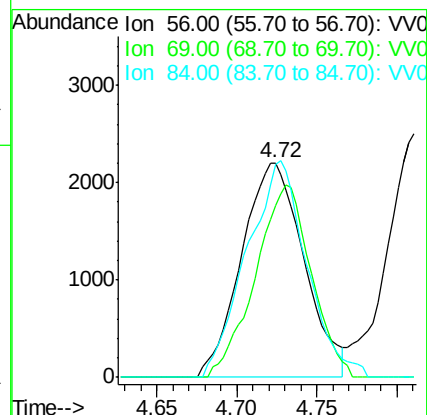
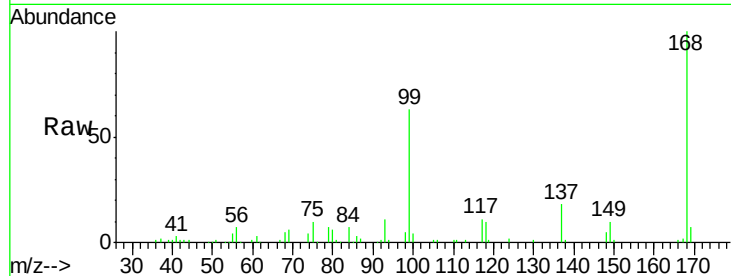
ClientSampleId :

MDL02

Tot Ion	56	Resp	5911
Ion	Ratio	Lower	Upper
56	100		
69	80.0	25.1	37.7#
84	99.4	67.3	100.9

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#32

1,1,1-Trichloroethane

Concen: 2.244 ug/l

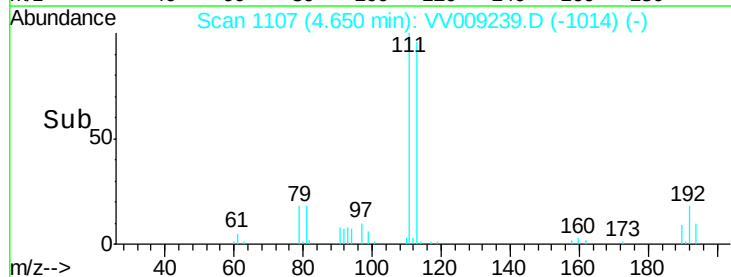
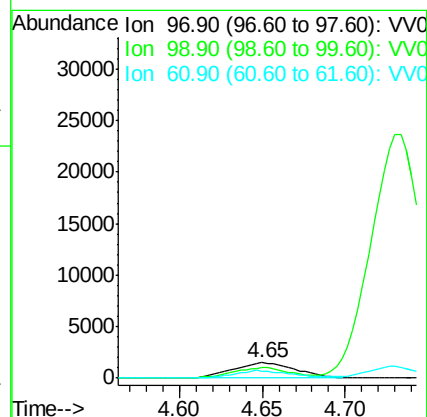
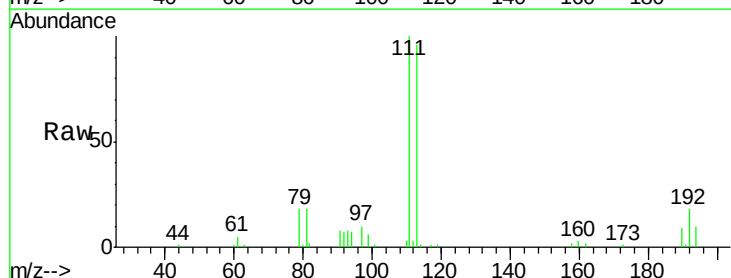
RT: 4.65 min Scan# 1107

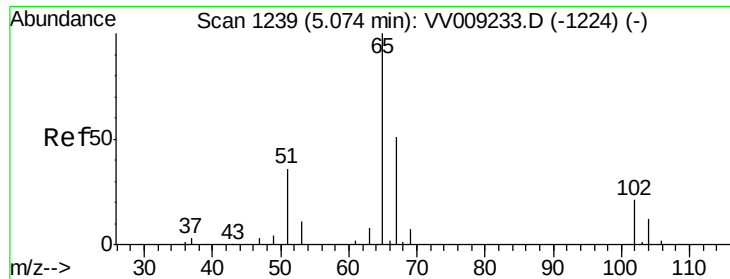
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion	97	Resp	3893
Ion	Ratio	Lower	Upper
97	100		
99	60.3	50.2	75.2
61	43.7	34.7	52.1





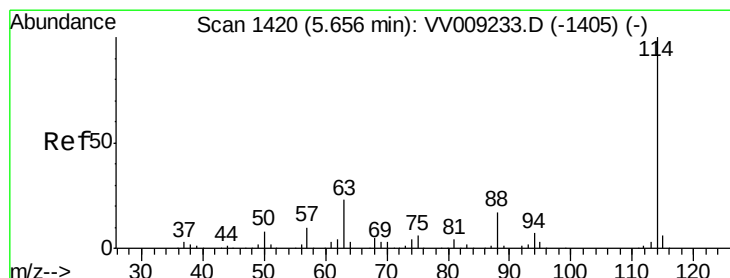
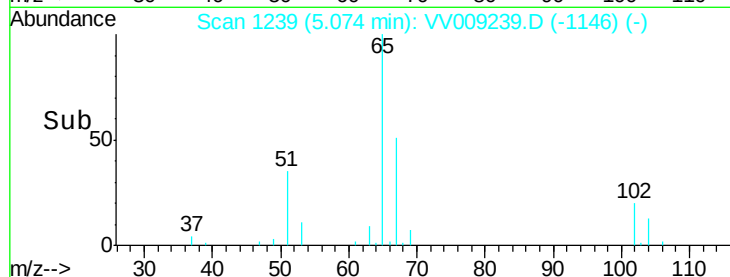
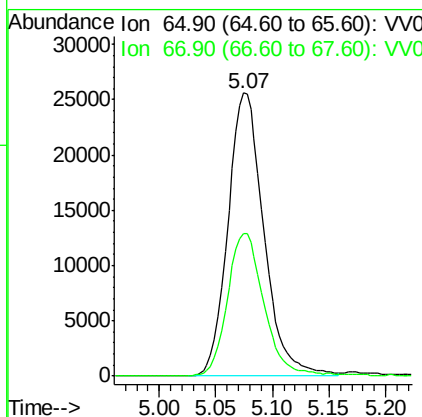
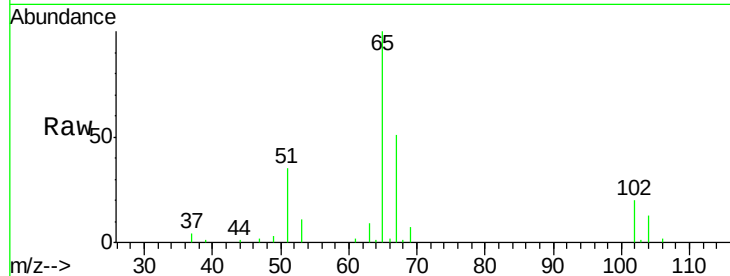
#33
 1,2-Dichloroethane-d4
 Concen: 54.871 ug/l
 RT: 5.07 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.8

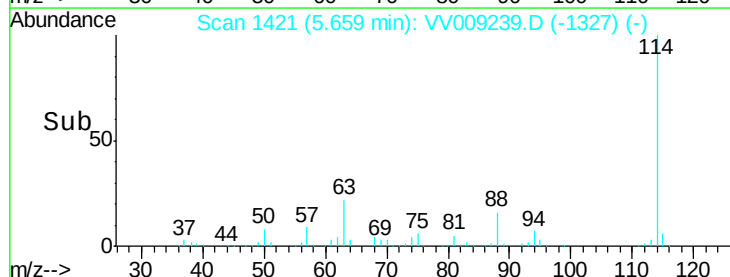
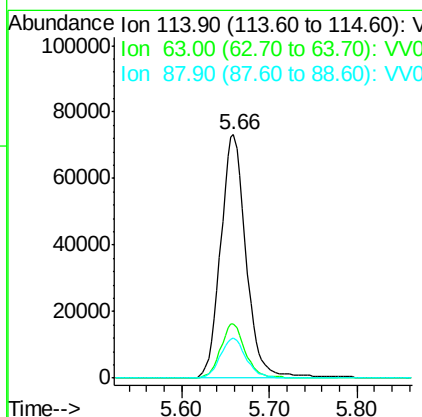
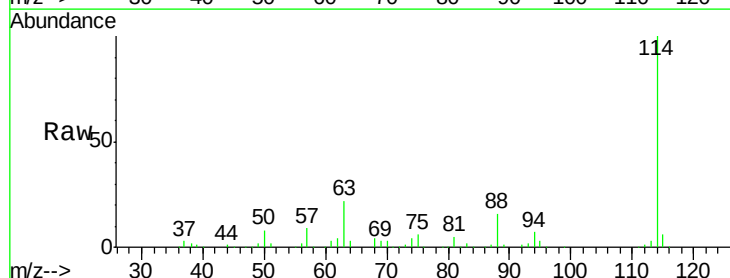
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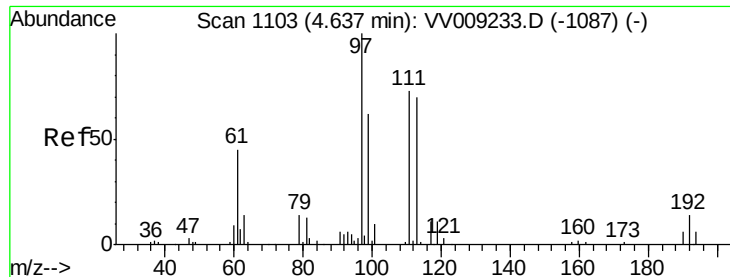
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.2
88	16.3	0.0	33.4





#35

Dibromofluoromethane

Concen: 51.018 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV009239.D

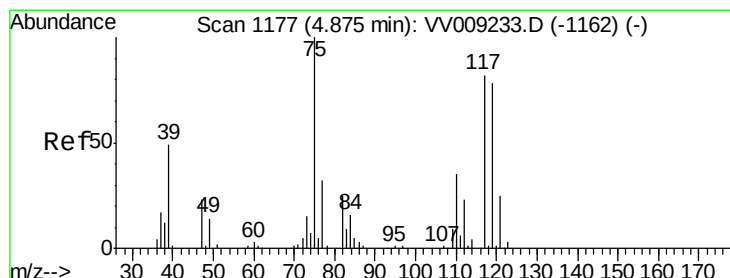
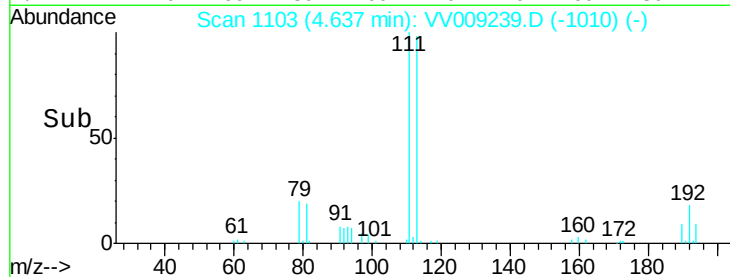
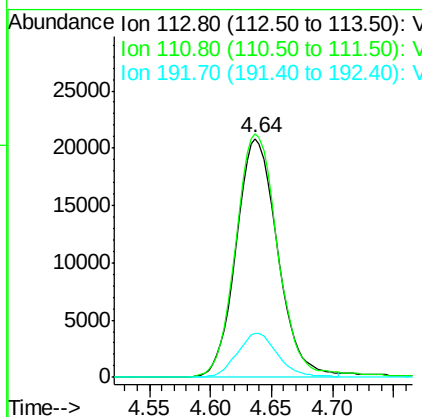
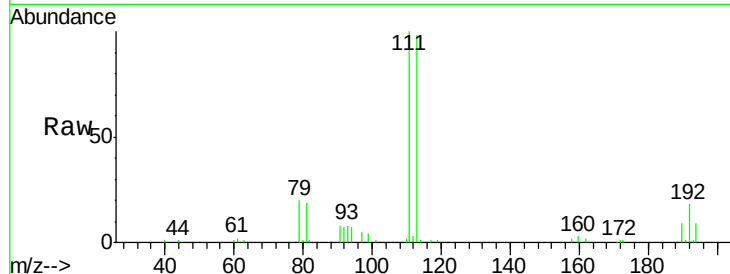
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion:113	Resp:	49010
Ion Ratio	Lower	Upper
113	100	
111	104.9	82.4 123.6
192	18.1	15.0 22.6

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#36

1,1-Dichloropropene

Concen: 2.422 ug/l

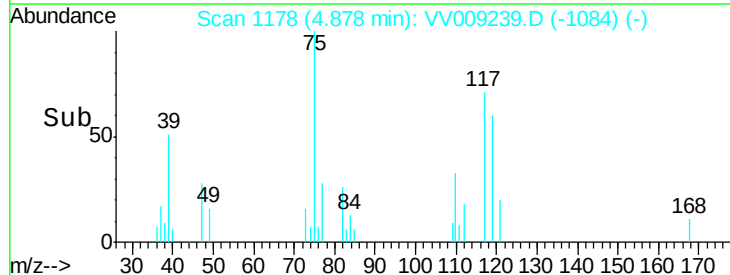
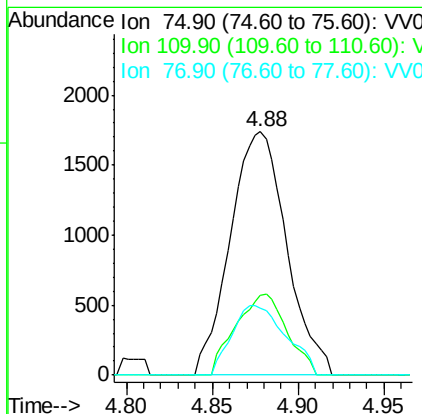
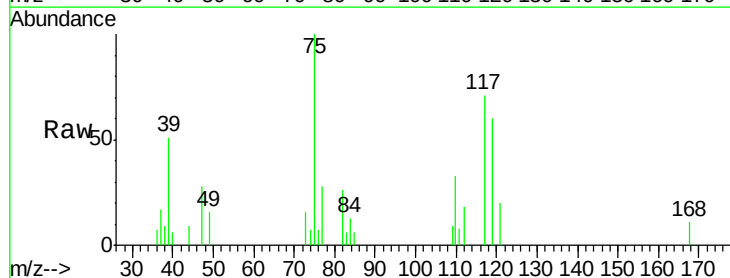
RT: 4.88 min Scan# 1178

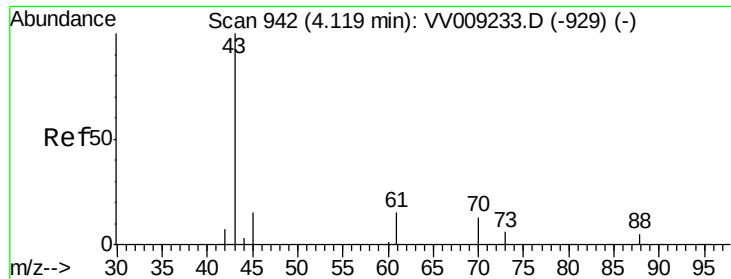
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion: 75	Resp:	3969
Ion Ratio	Lower	Upper
75	100	
110	30.4	17.5 52.5
77	27.4	25.5 38.3





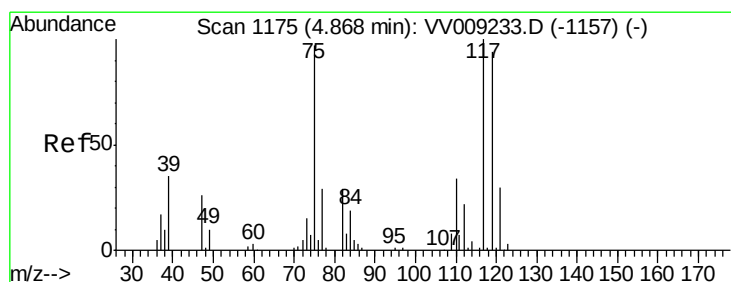
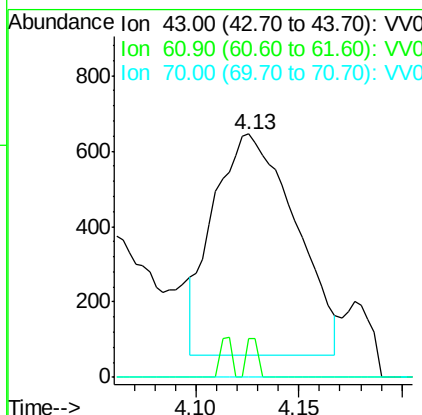
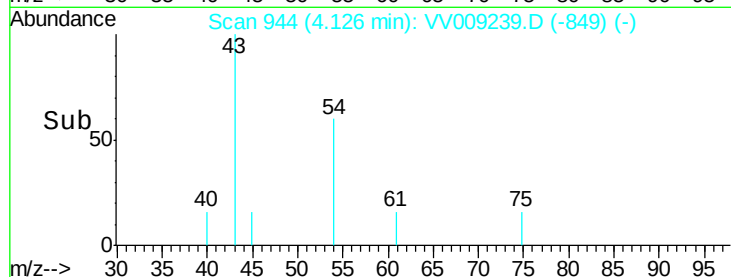
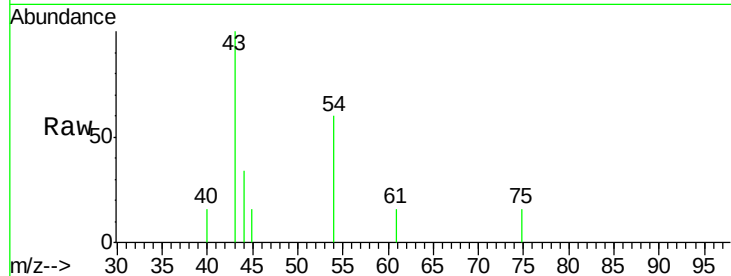
#37
Ethyl Acetate
Concen: 2.577 ug/l m
RT: 4.13 min Scan# 944
Delta R.T. 0.01 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	0.0	8.7	13.1#

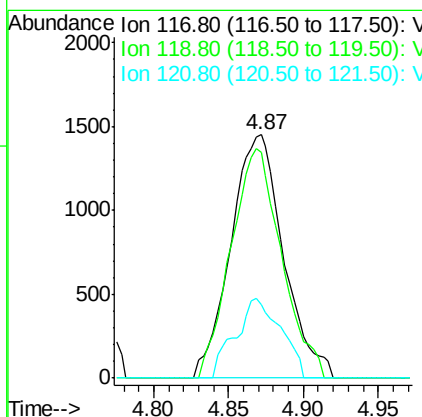
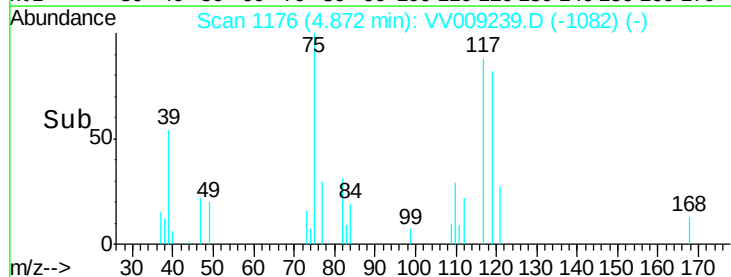
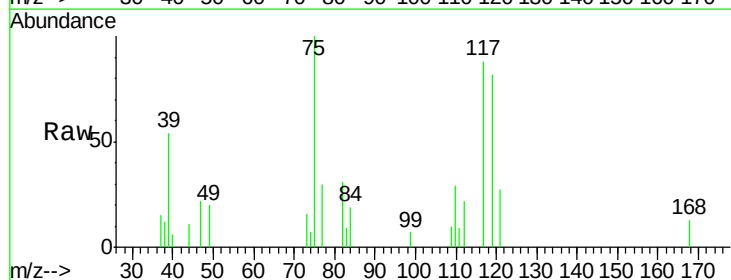
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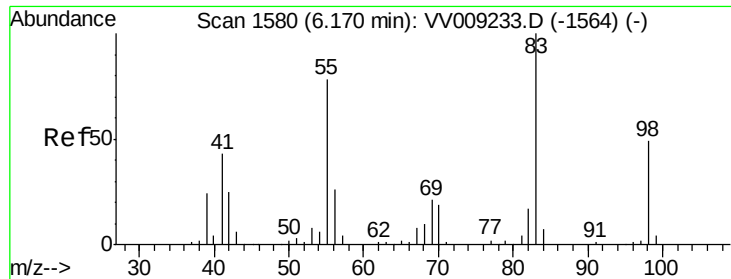
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1/24/2019 11:44:36 AM



#38
Carbon Tetrachloride
Concen: 2.164 ug/l
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.4	113.2
121	30.3	24.2	36.2





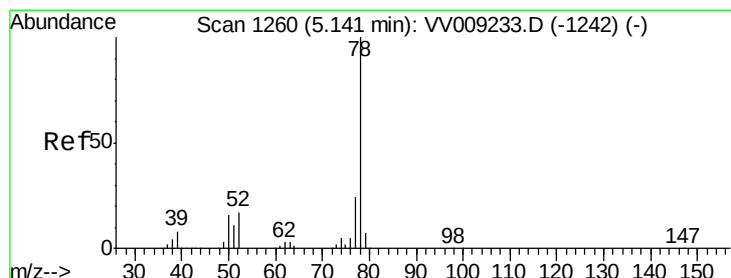
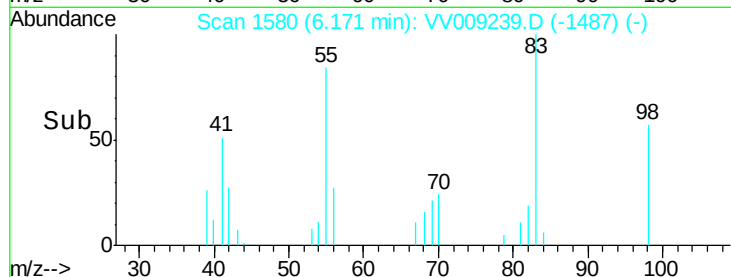
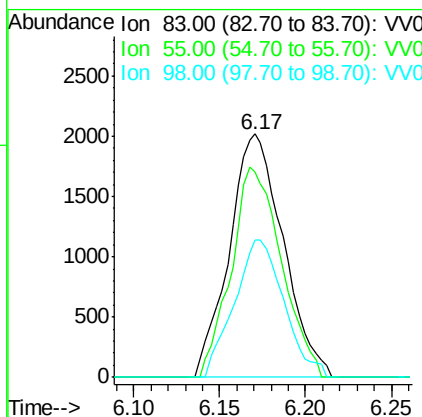
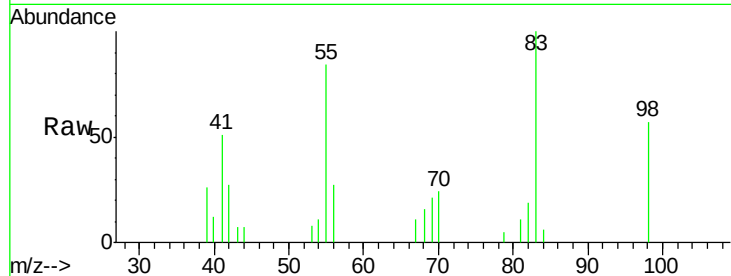
#39
Methylvlcyclohexane
Concen: 2.264 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.1	62.8	94.2
98	56.6	39.1	58.7

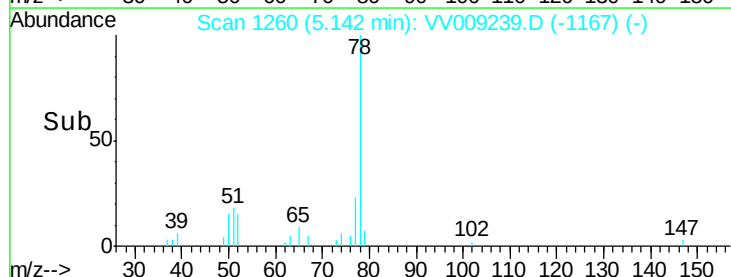
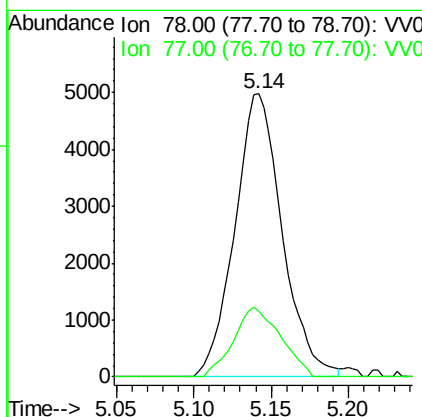
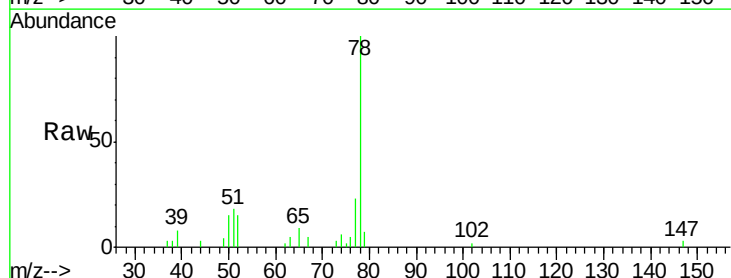
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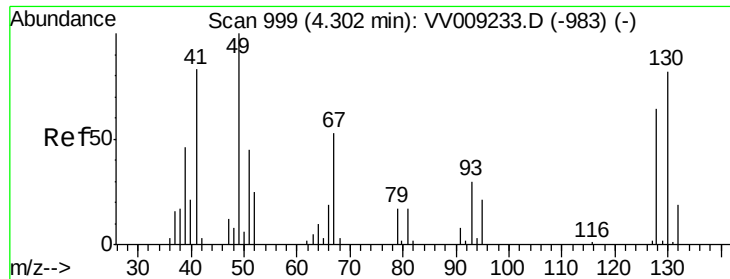
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#40
Benzene
Concen: 2.312 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.2





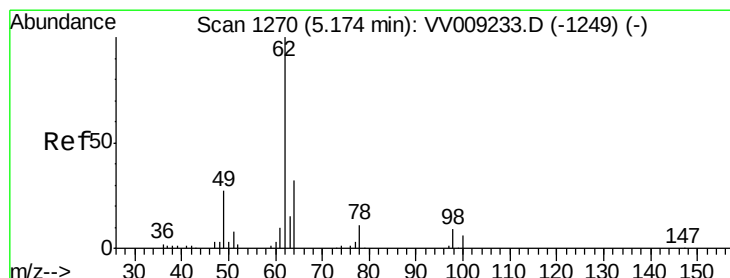
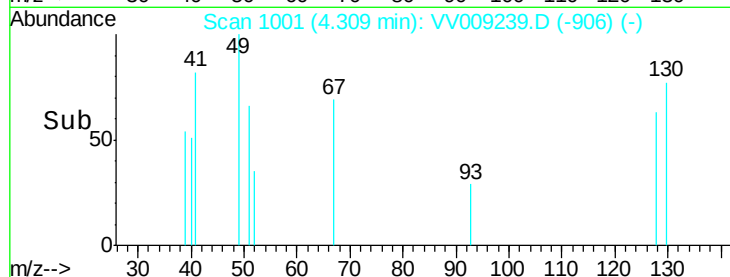
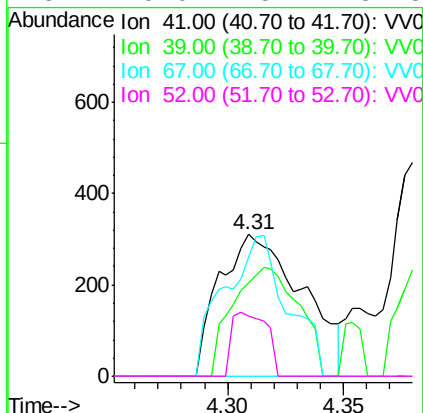
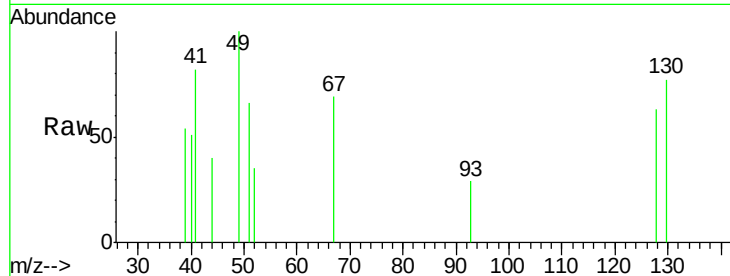
#41
Methacrylonitrile
Concen: 2.026 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion: 41 Resp: 769
Ion Ratio Lower Upper
41 100
39 61.6 45.4 68.0
67 75.9 55.5 83.3
52 19.0 25.2 37.8#

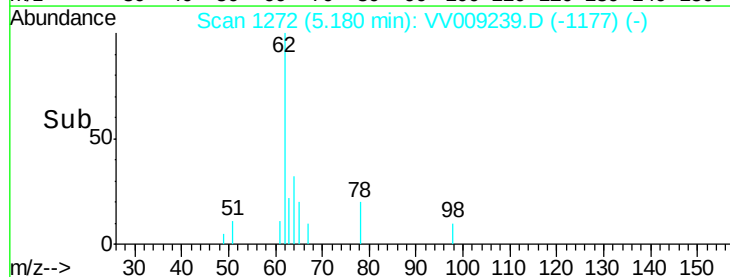
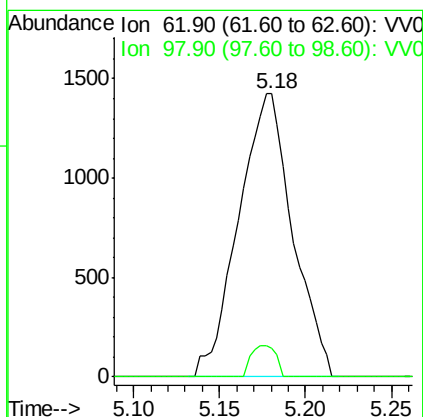
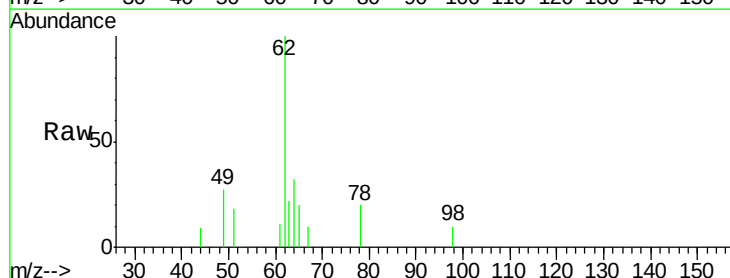
Manual Integrations
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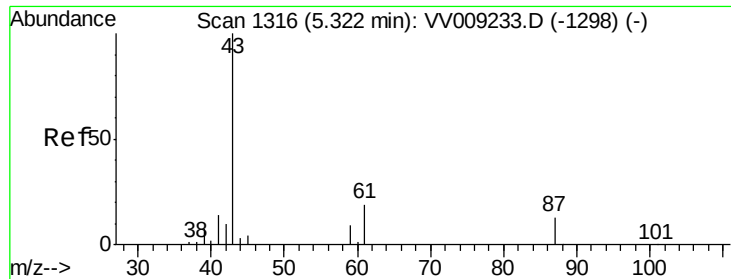
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#42
1,2-Dichloroethane
Concen: 2.162 ug/l
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion: 62 Resp: 3102
Ion Ratio Lower Upper
62 100
98 5.0 0.0 16.4





#43

Isopropyl Acetate

Concen: 2.467 ug/l

RT: 5.33 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

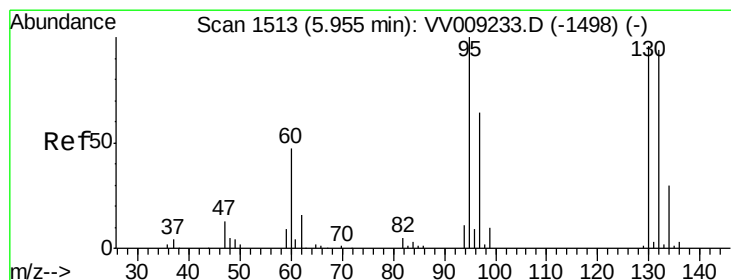
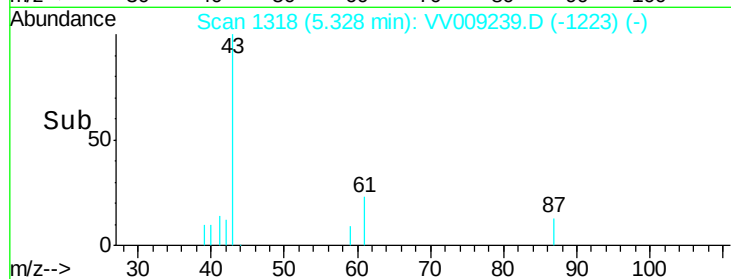
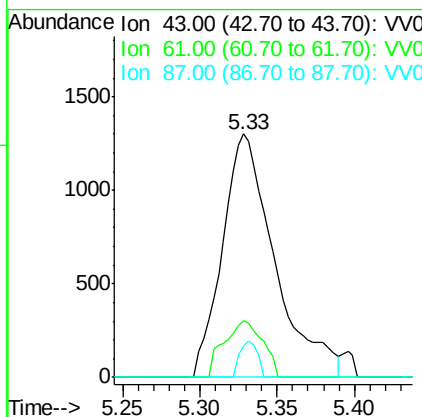
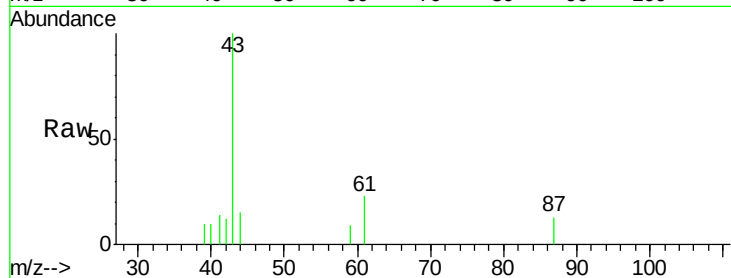
ClientSampleId :

MDL02

Tot Ion:	43	Resp:	3057
Ion	Ratio	Lower	Upper
43	100		
61	17.2	15.4	23.0
87	4.8	9.9	14.9#

Manual Integrations
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#44

Trichloroethene

Concen: 2.250 ug/l

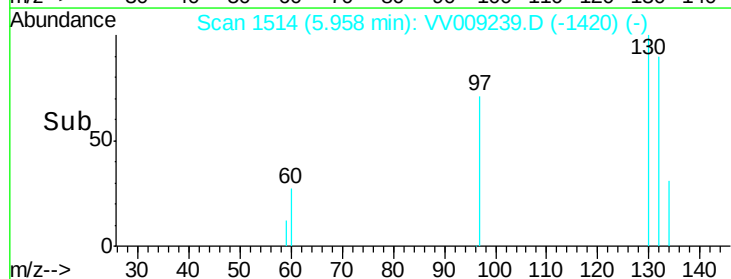
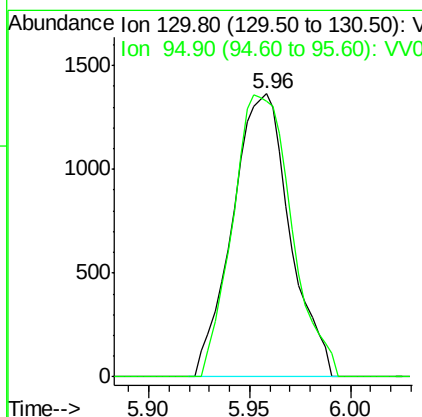
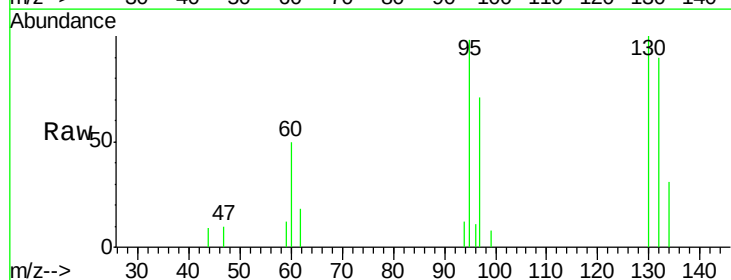
RT: 5.96 min Scan# 1514

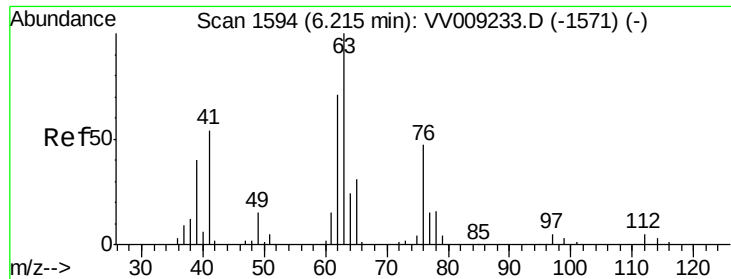
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion:	130	Resp:	2714
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	208.2





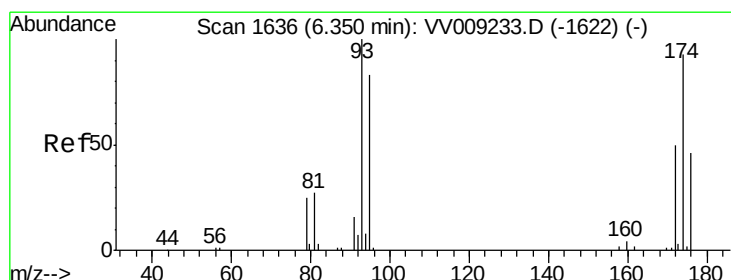
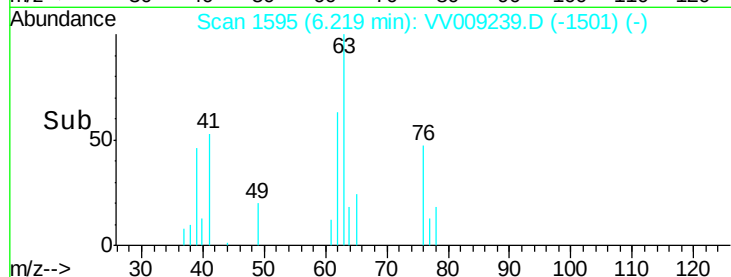
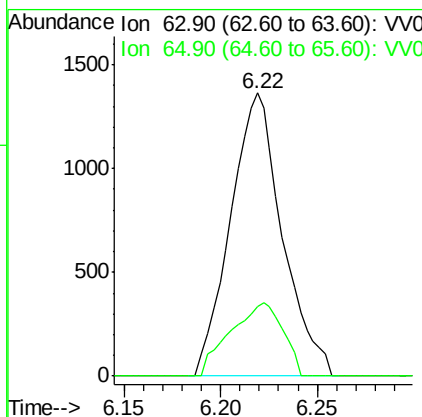
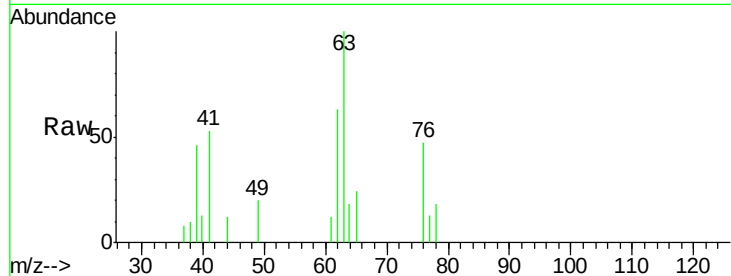
#45
 1,2-Dichloropropane
 Concen: 2.306 ug/l
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 2543
 Ion Ratio Lower Upper
 63 100
 65 24.5 25.1 37.7#

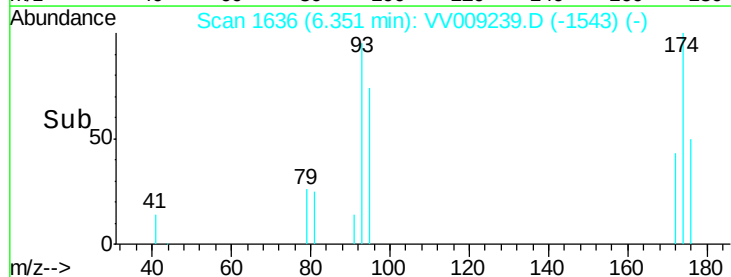
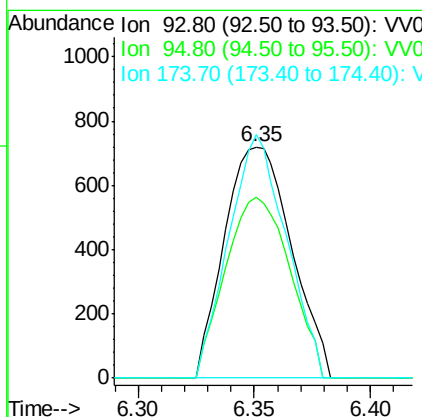
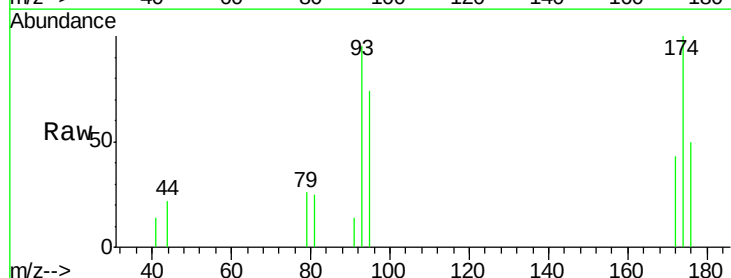
Manual Integrations
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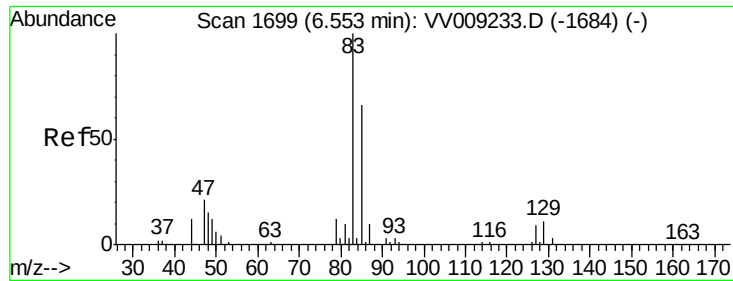
MMDadoda
 1/24/2019 11:44:36 AM



#46
 Dibromomethane
 Concen: 2.552 ug/l
 RT: 6.35 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Tgt Ion: 93 Resp: 1444
 Ion Ratio Lower Upper
 93 100
 95 75.3 64.6 97.0
 174 90.3 74.0 111.0





#47

Bromodichloromethane

Concen: 2.153 ug/l

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

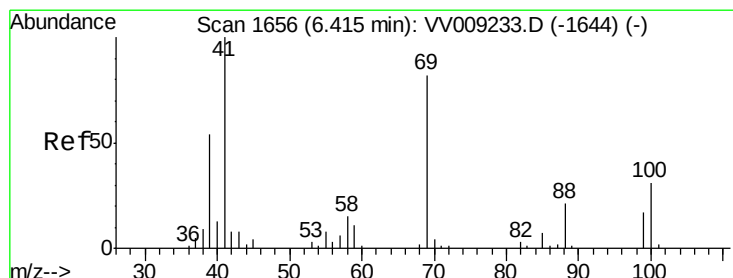
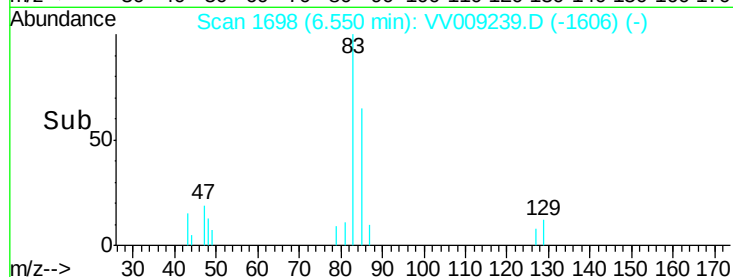
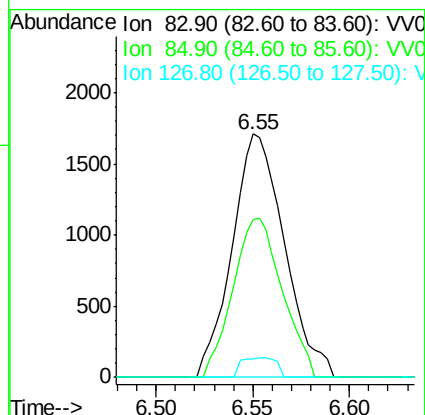
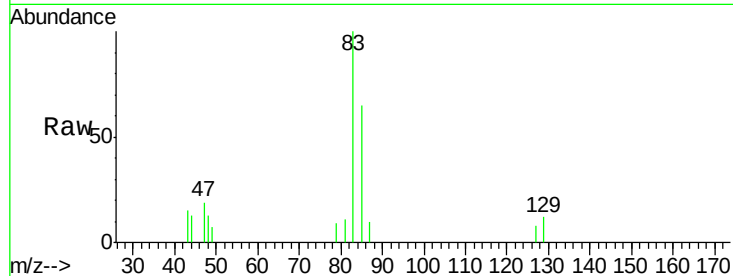
ClientSampleId :

MDL02

Tot Ion:	83	Resp:	3219
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8
127	7.8	7.0	10.6

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#48

Methyl methacrylate

Concen: 2.304 ug/l

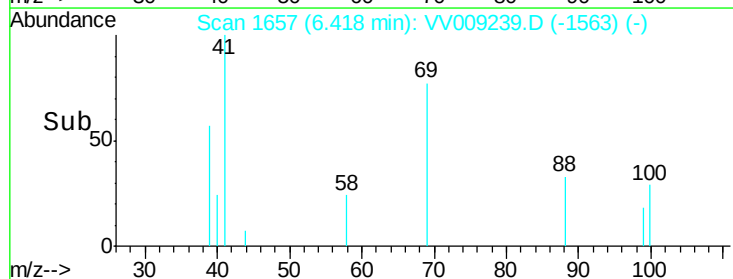
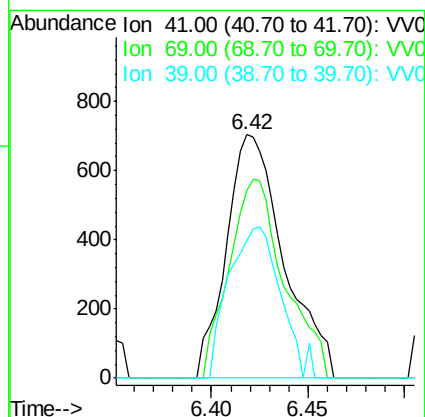
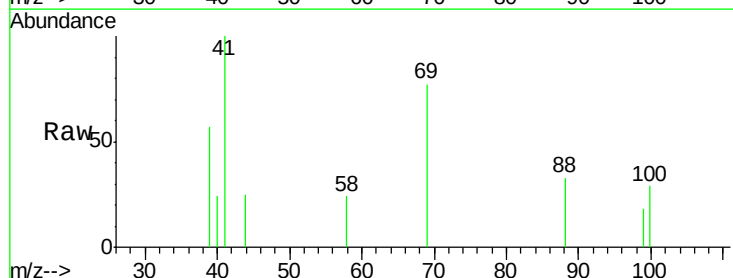
RT: 6.42 min Scan# 1657

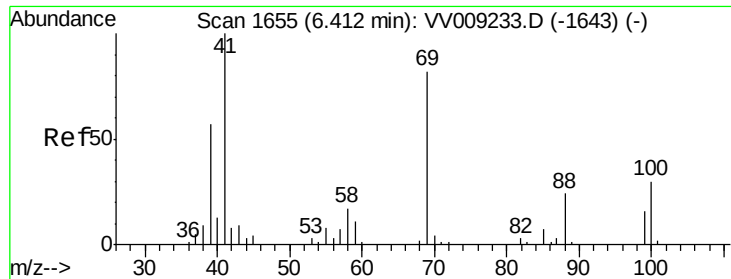
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion:	41	Resp:	1457
Ion	Ratio	Lower	Upper
41	100		
69	78.5	65.8	98.6
39	56.1	43.4	65.0





#49

1,4-Dioxane

Concen: 40.236 ug/l

RT: 6.42 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

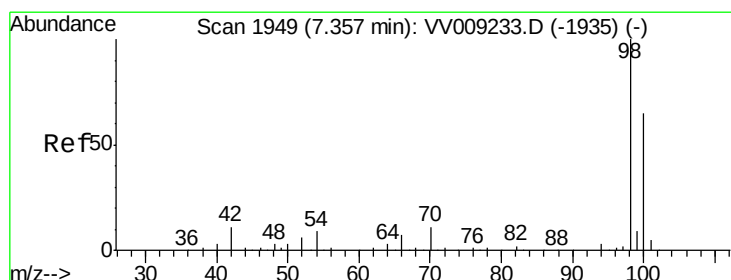
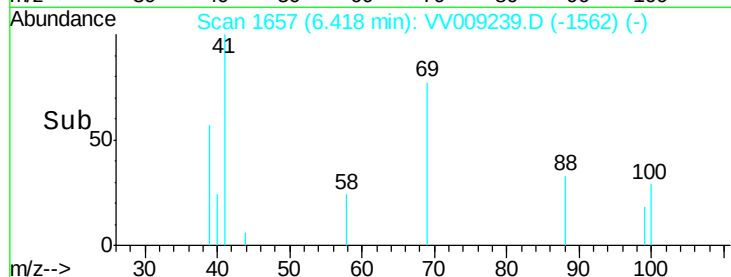
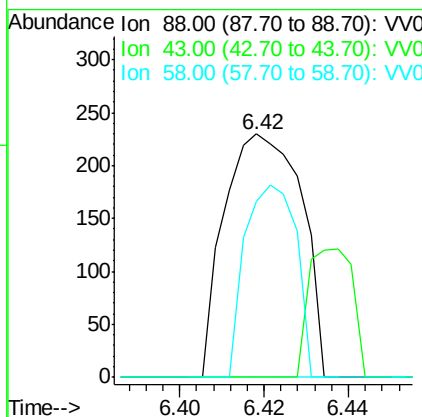
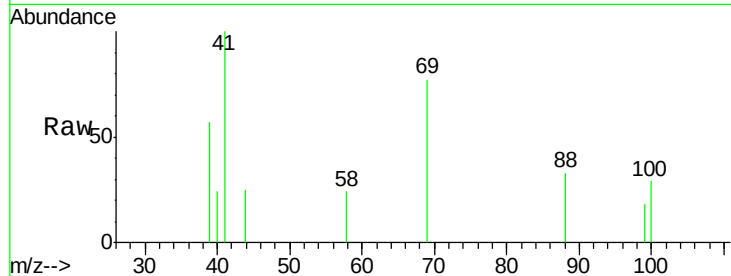
ClientSampled :

MDL02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	31.9	47.9#
58	52.8	62.0	93.0#

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#50

Toluene-d8

Concen: 51.090 ug/l

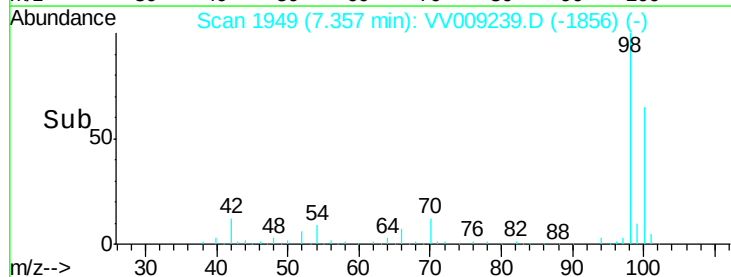
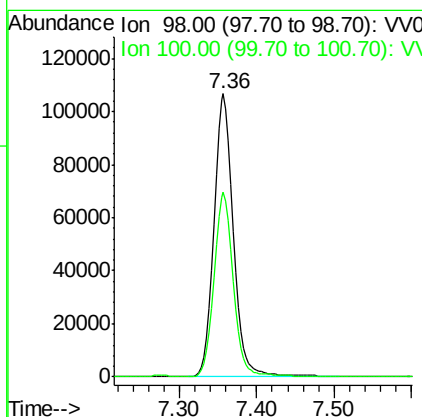
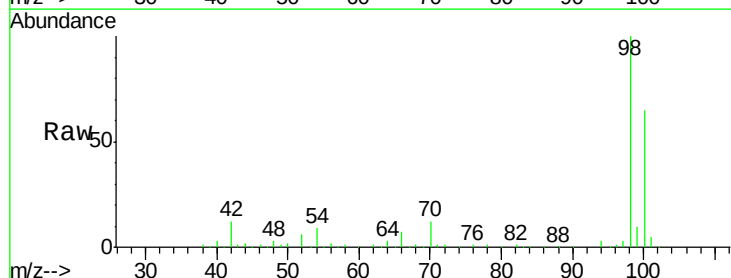
RT: 7.36 min Scan# 1949

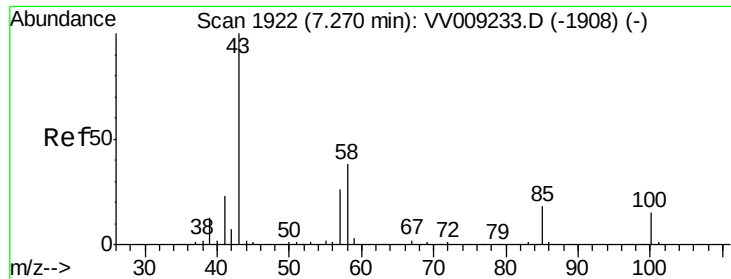
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 12.199 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 7671

Ion Ratio Lower Upper

43 100

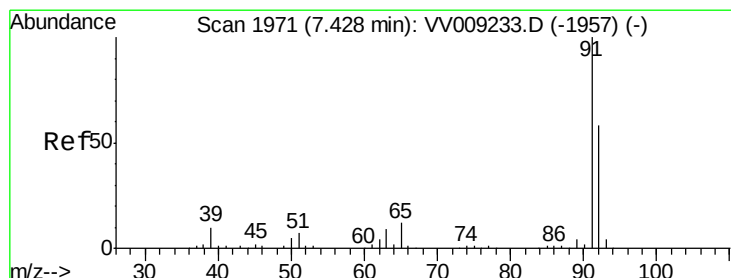
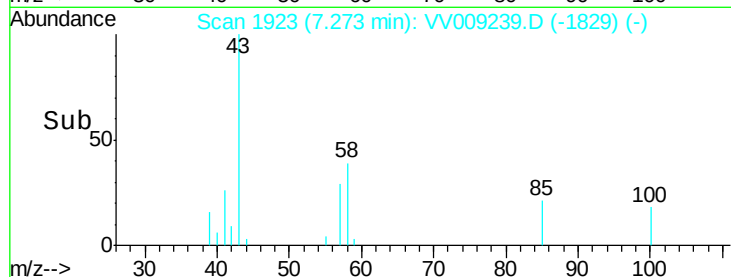
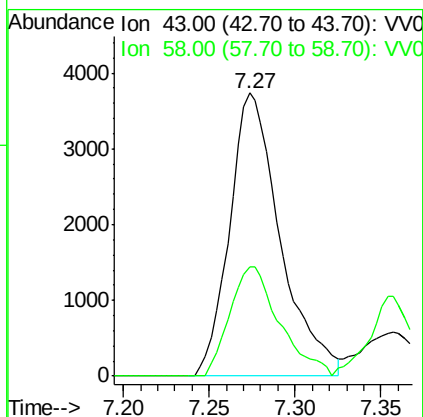
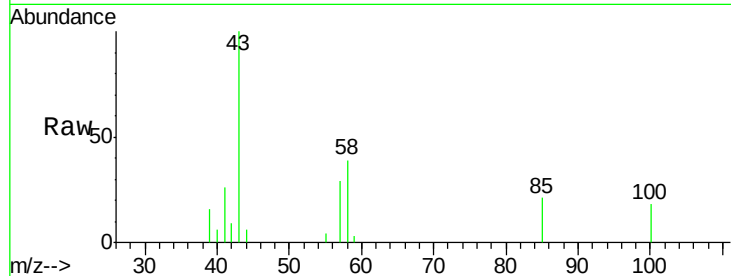
58 37.9 30.4 45.6

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#52

Toluene

Concen: 2.342 ug/l

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV009239.D

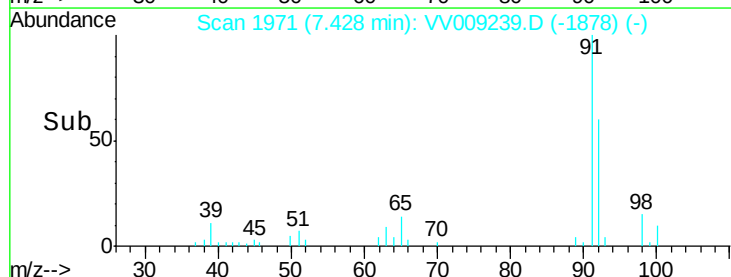
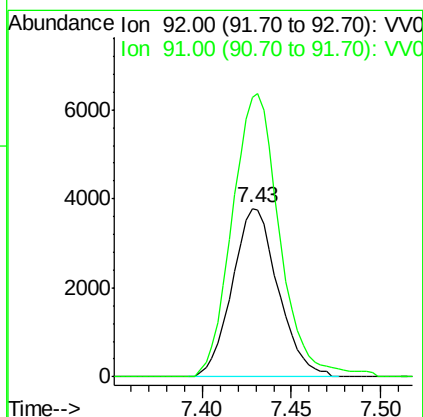
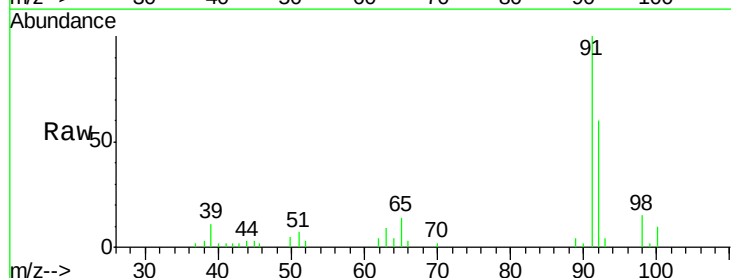
Acq: 22 Jan 2019 17:09

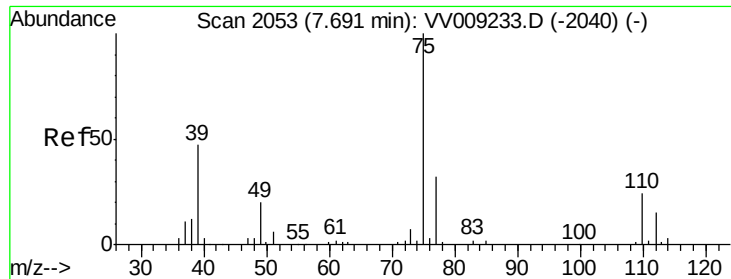
Tgt Ion: 92 Resp: 6793

Ion Ratio Lower Upper

92 100

91 174.0 137.2 205.8





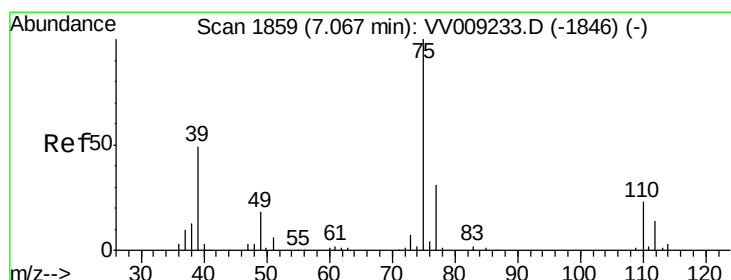
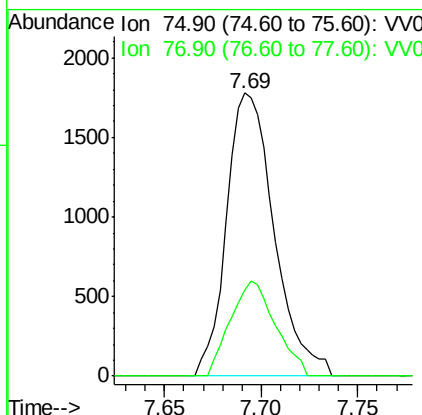
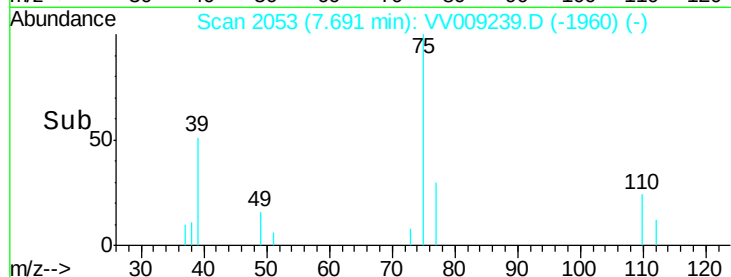
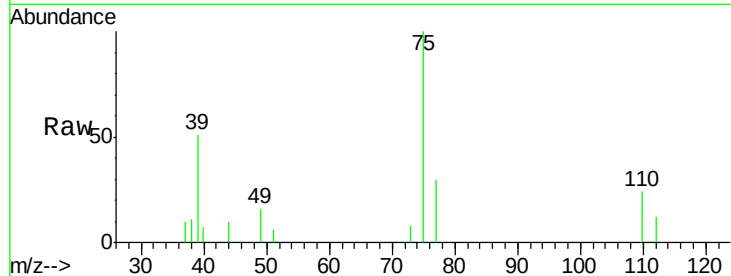
#53
t-1,3-Dichloropropene
Concen: 2.093 ug/l
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 75 Resp: 3046
Ion Ratio Lower Upper
75 100
77 30.4 25.8 38.8

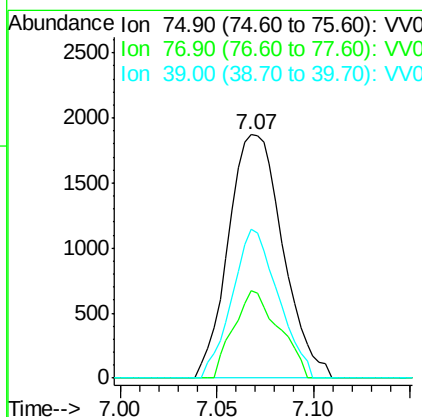
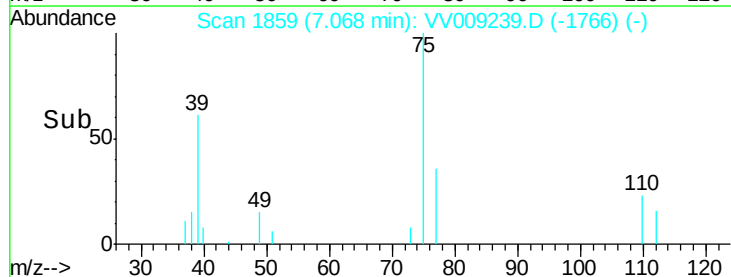
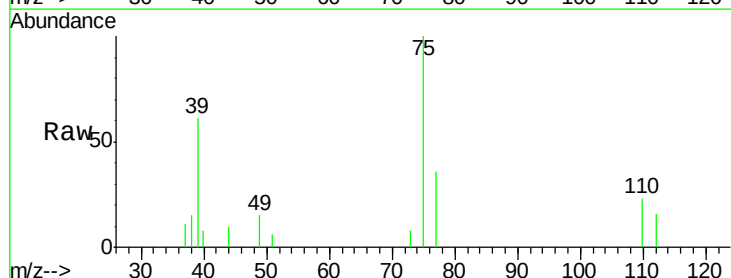
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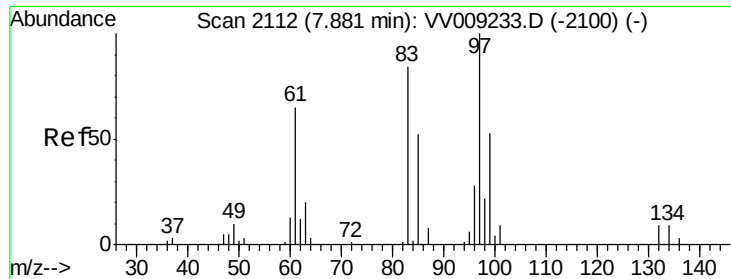
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 2.182 ug/l
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion: 75 Resp: 3657
Ion Ratio Lower Upper
75 100
77 36.2 25.1 37.7
39 61.0 38.8 58.2#





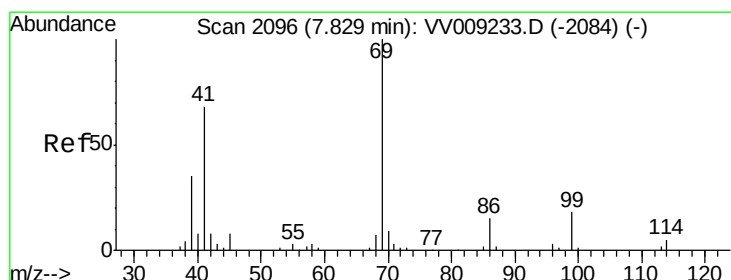
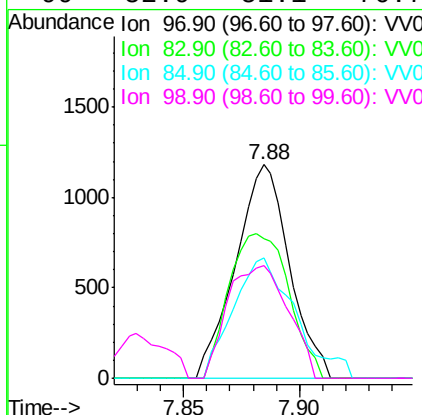
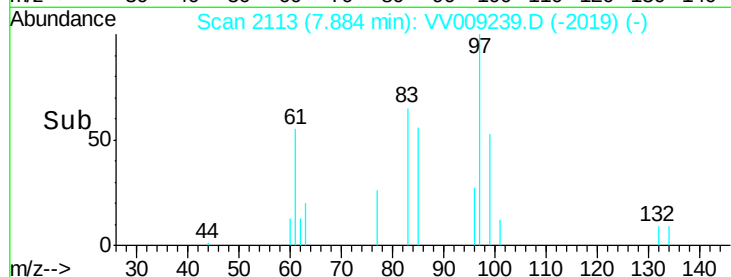
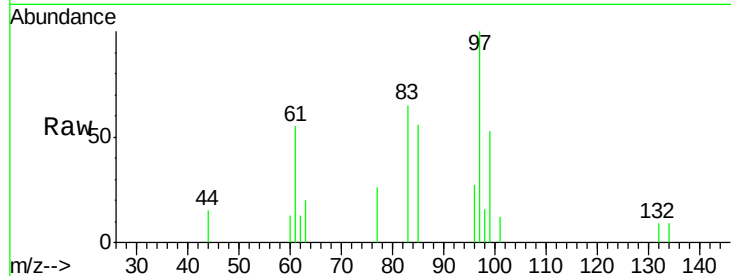
#55
1,1,2-Trichloroethane
Concen: 2.395 ug/l
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion:	97	Resp:	1909
Ion	Ratio	Lower	Upper
97	100		
83	65.5	67.4	101.0#
85	56.4	42.6	64.0
99	52.9	51.1	76.7

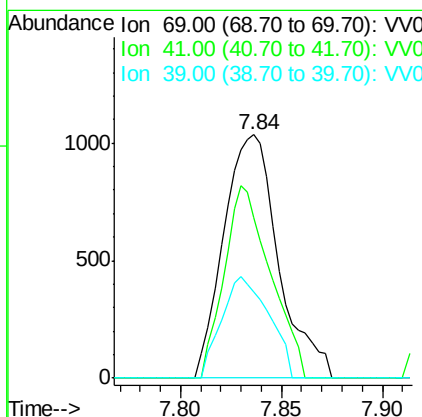
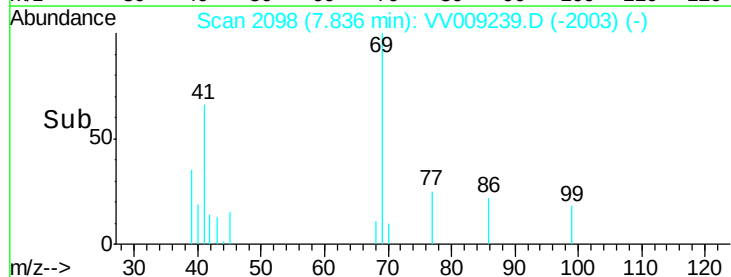
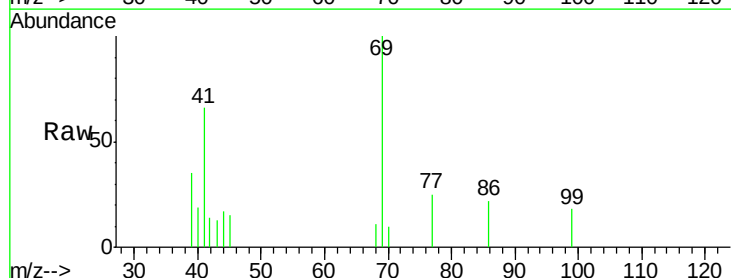
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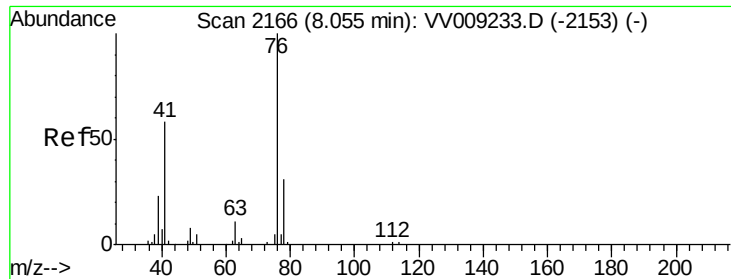
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#56
Ethyl methacrylate
Concen: 2.113 ug/l
RT: 7.84 min Scan# 2098
Delta R.T. 0.01 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion:	69	Resp:	1963
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.0	81.0
39	35.9	26.8	40.2





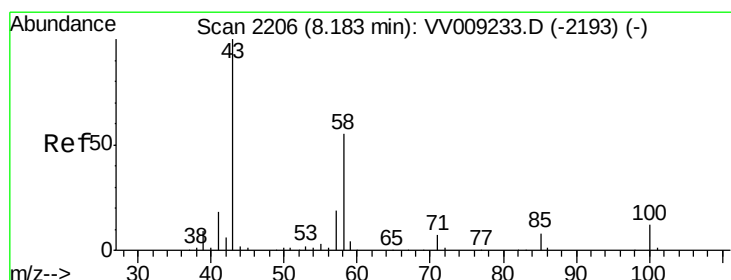
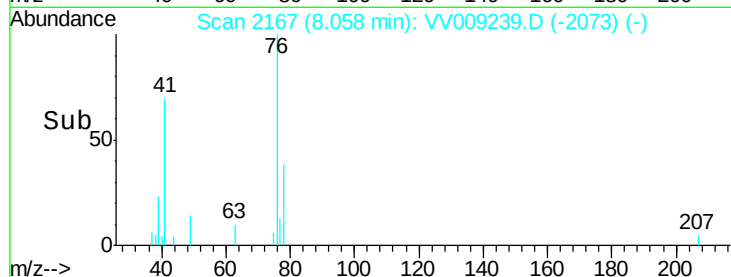
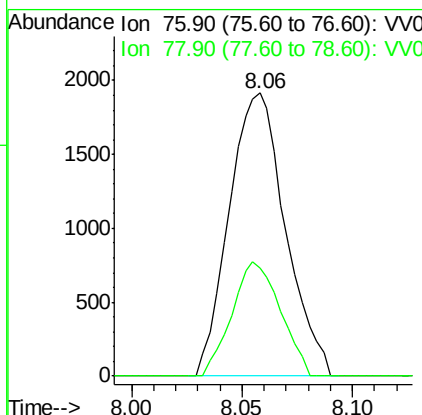
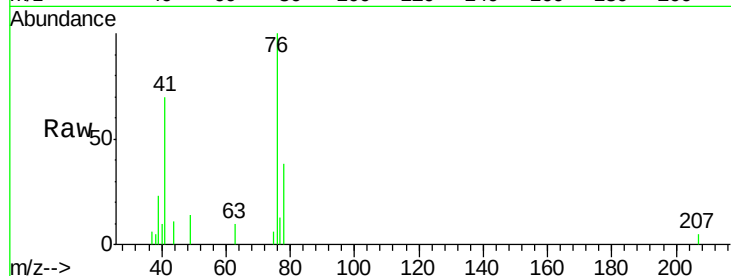
#57
 1,3-Dichloropropane
 Concen: 2.347 ug/l
 RT: 8.06 min Scan# 2167
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion: 76 Resp: 3388
 Ion Ratio Lower Upper
 76 100
 78 34.9 25.5 38.3

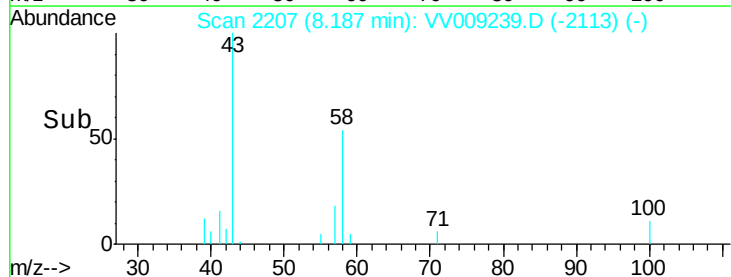
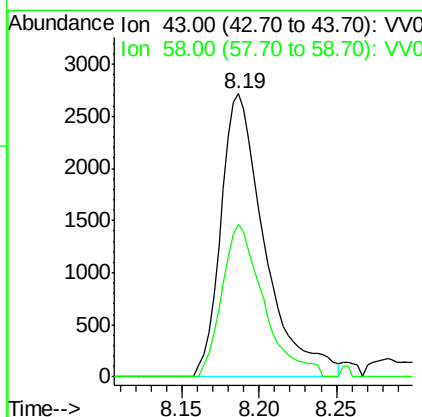
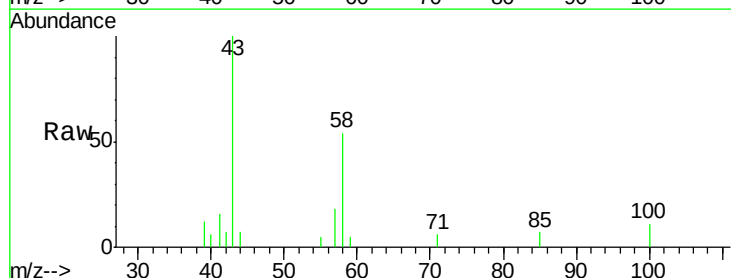
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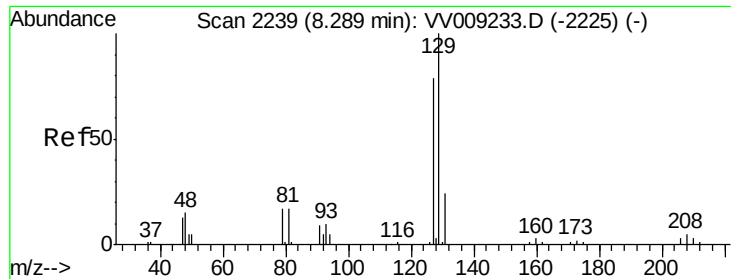
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#59
 2-Hexanone
 Concen: 11.741 ug/l
 RT: 8.19 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Tgt Ion: 43 Resp: 5340
 Ion Ratio Lower Upper
 43 100
 58 51.2 27.5 82.5





#60

Dibromochloromethane

Concen: 2.047 ug/l

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:129 Resp: 1911

Ion Ratio Lower Upper

129 100

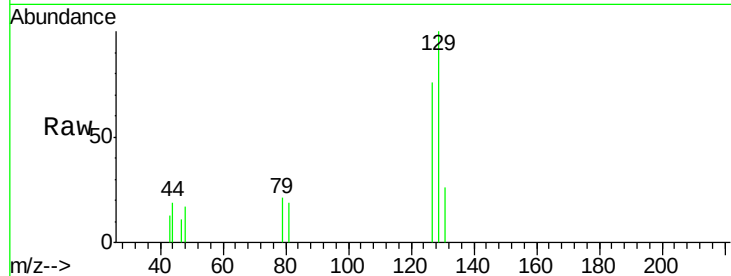
127 76.9 38.8 116.4

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

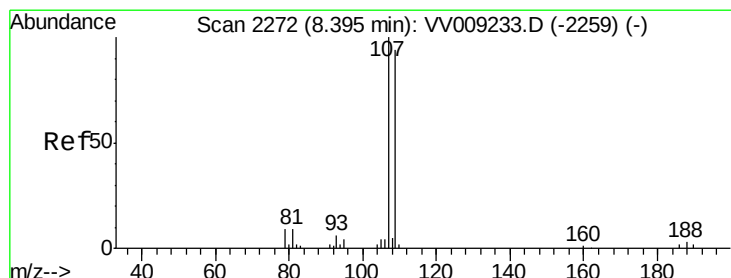
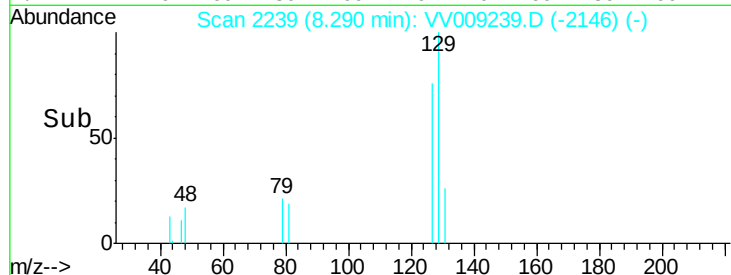
8.29

1000

500

0

Time-->



#61

1,2-Dibromoethane

Concen: 2.025 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009239.D

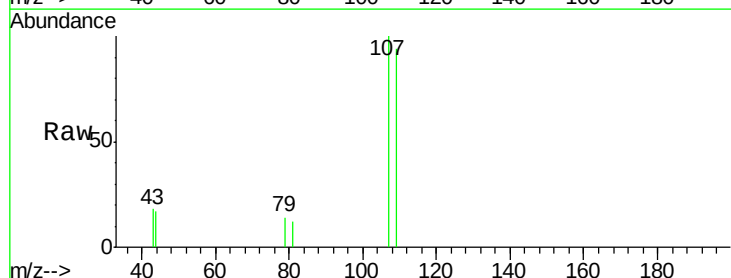
Acq: 22 Jan 2019 17:09

Tgt Ion:107 Resp: 1579

Ion Ratio Lower Upper

107 100

109 102.0 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.40

1000

800

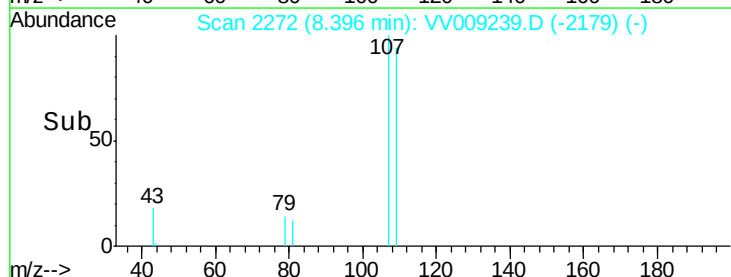
600

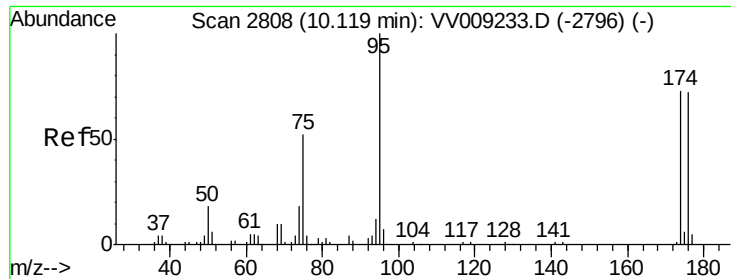
400

200

0

Time-->





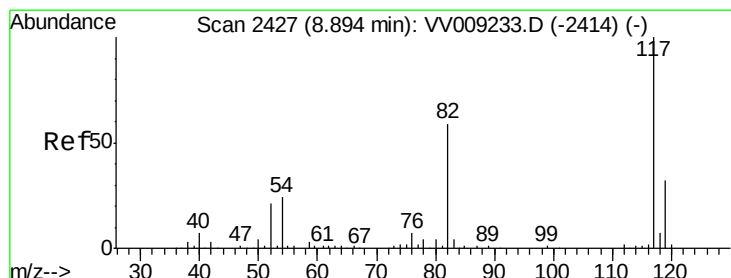
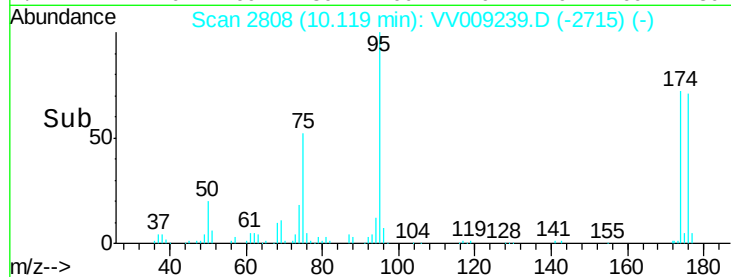
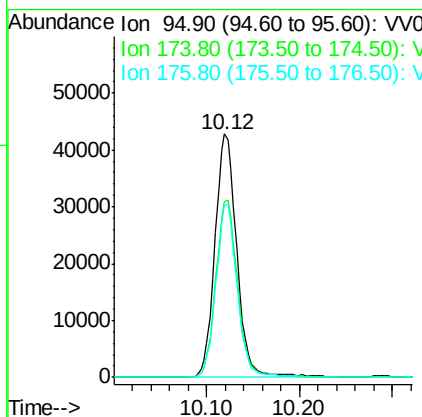
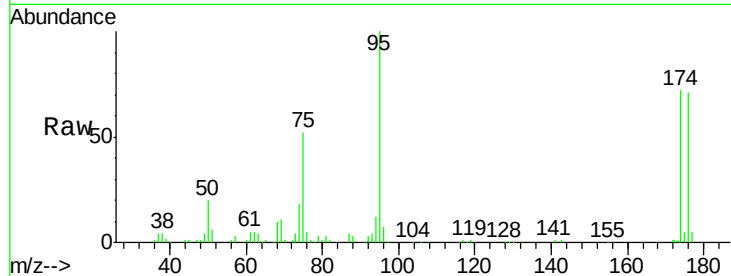
#62
4-Bromofluorobenzene
Concen: 49.610 ug/l
RT: 10.12 min Scan# 2808
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	Ratio	Resp	Lower	Upper
95	100	69893		
174	73.0	0.0	148.2	
176	69.1	0.0	143.0	

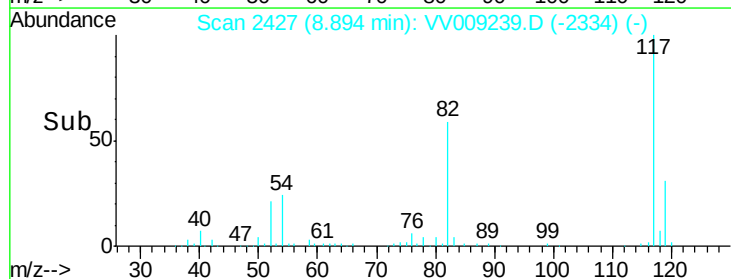
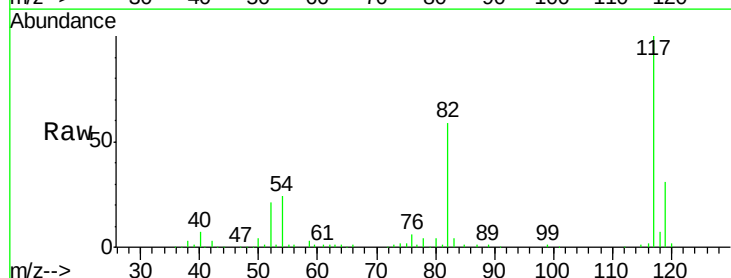
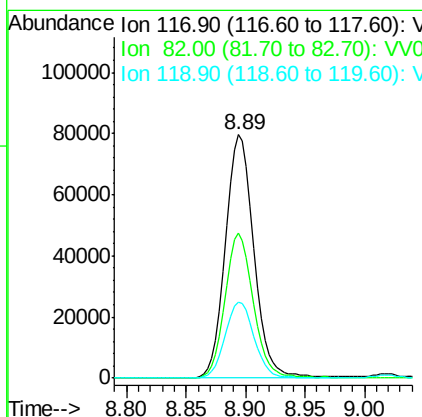
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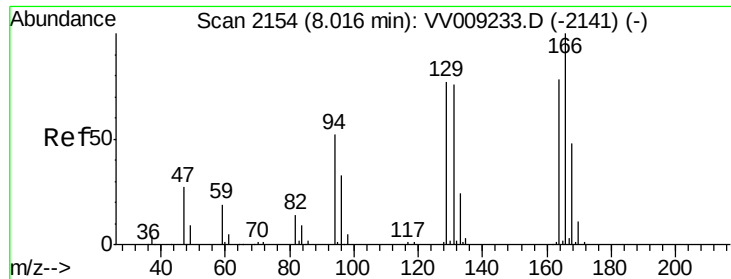
MMDadoda
1/24/2019 11:44:36 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	132810		
82	59.5	47.0	70.6	
119	31.4	25.4	38.2	





#64

Tetrachloroethene

Concen: 2.344 ug/l

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:164 Resp: 2215

Ion Ratio Lower Upper

164 100

166 132.1 102.1 153.1

129 99.3 78.1 117.1

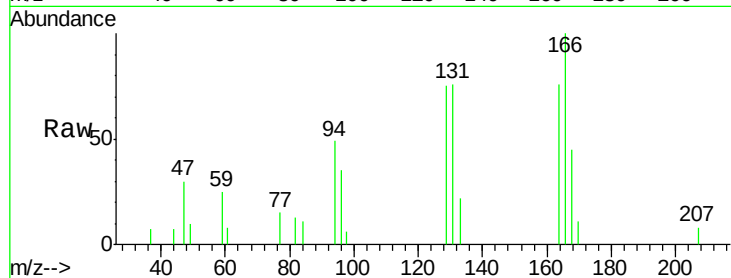
131 99.8 78.0 117.0

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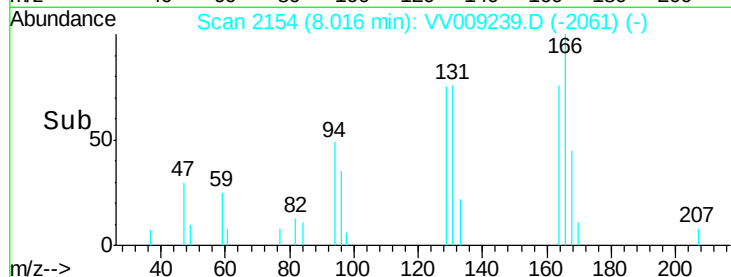


Abundance Ion 163.80 (163.50 to 164.50): V

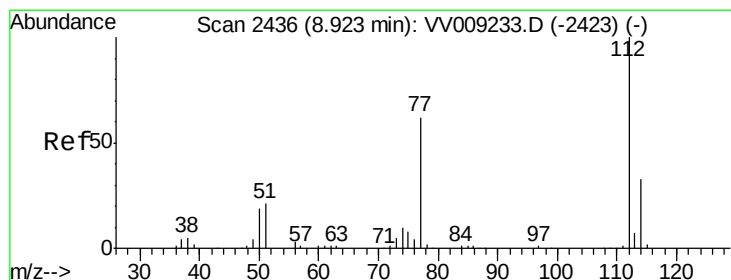
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#65

Chlorobenzene

Concen: 2.547 ug/l

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009239.D

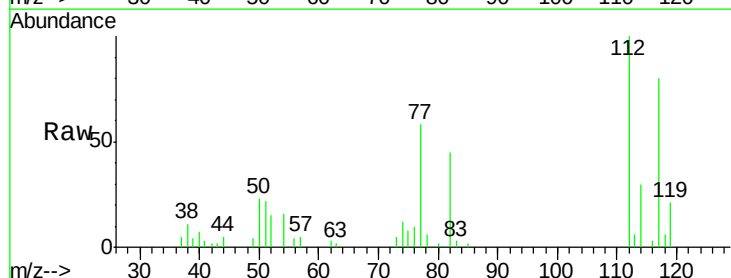
Acq: 22 Jan 2019 17:09

Tgt Ion:112 Resp: 7869

Ion Ratio Lower Upper

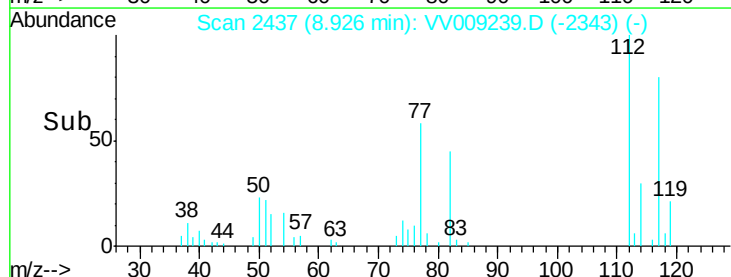
112 100

114 29.8 26.0 39.0

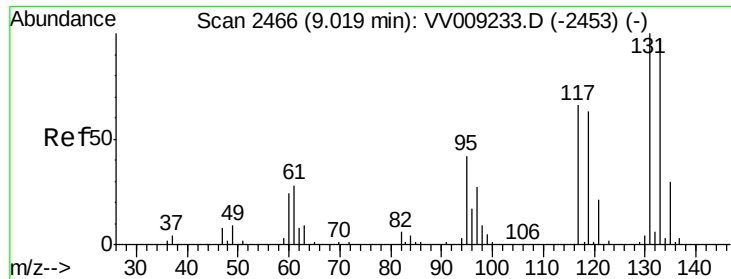


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 2.169 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

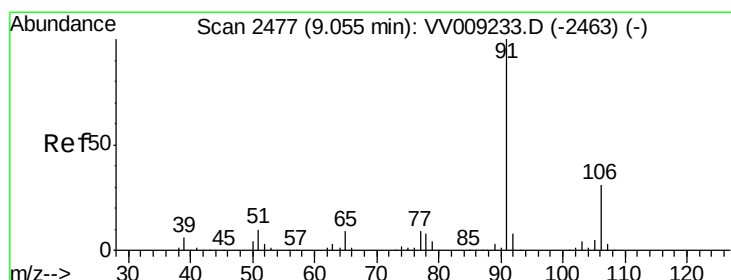
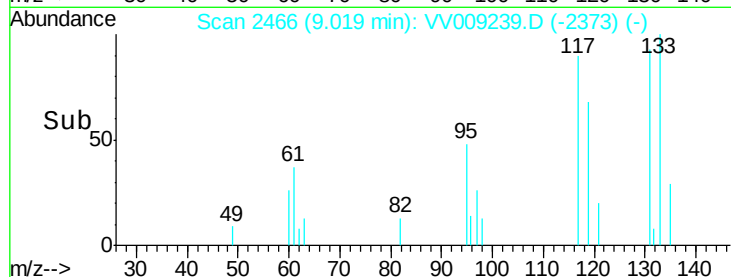
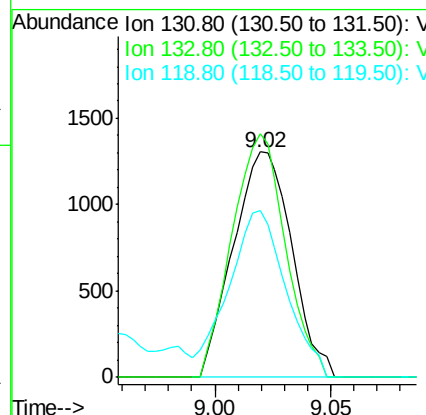
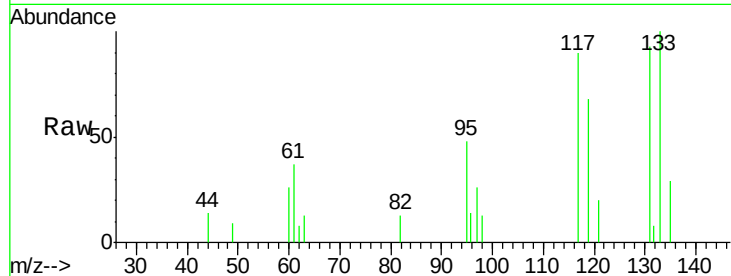
ClientSampleId :

MDL02

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.4	48.3	144.9
119	72.6	31.2	93.6

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1/24/2019 11:44:36 AM



#67

Ethyl Benzene

Concen: 2.319 ug/l

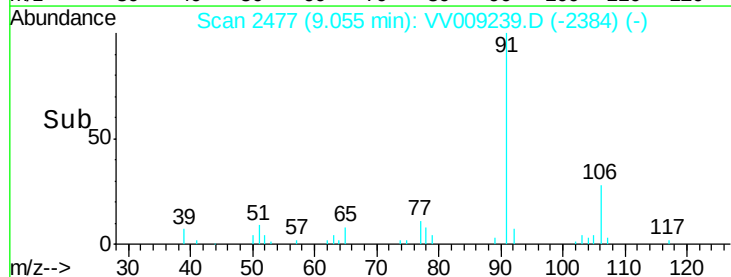
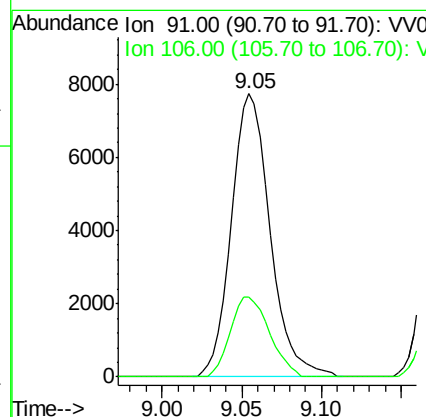
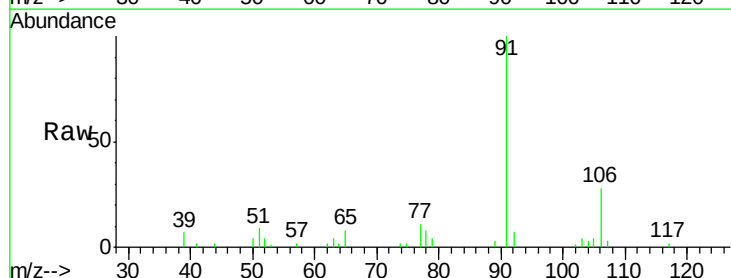
RT: 9.05 min Scan# 2477

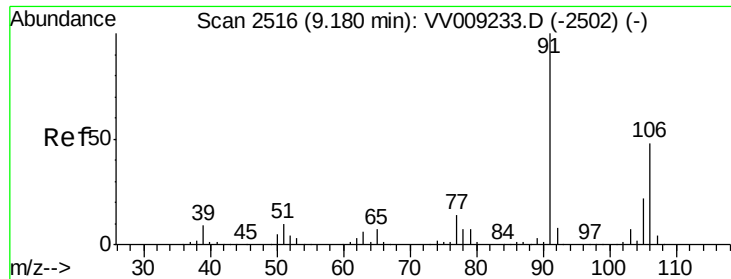
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.2	24.6	37.0





#68

m/p-Xylenes

Concen: 4.427 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:106 Resp: 9252

Ion Ratio Lower Upper

106 100

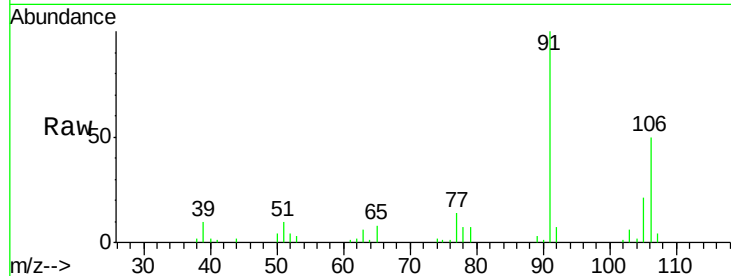
91 216.7 167.1 250.7

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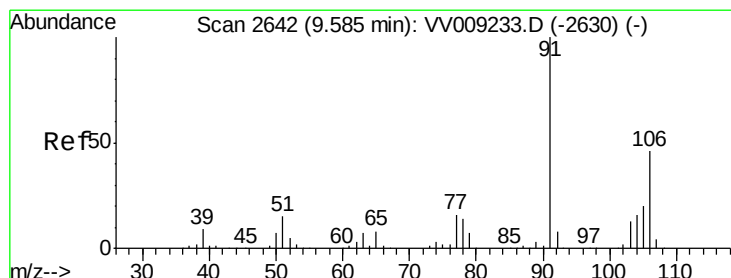
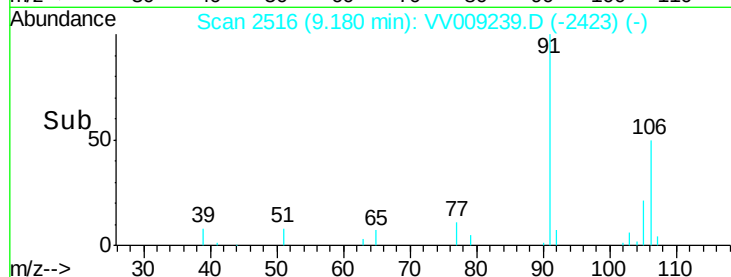
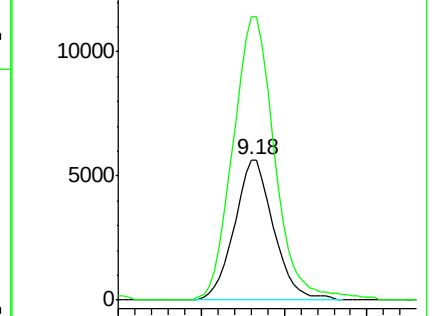
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#69

o-Xylene

Concen: 2.118 ug/l

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV009239.D

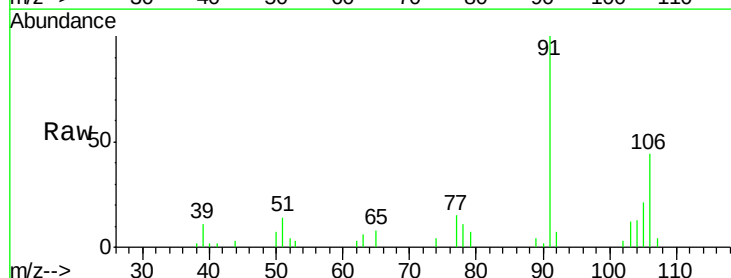
Acq: 22 Jan 2019 17:09

Tgt Ion:106 Resp: 4103

Ion Ratio Lower Upper

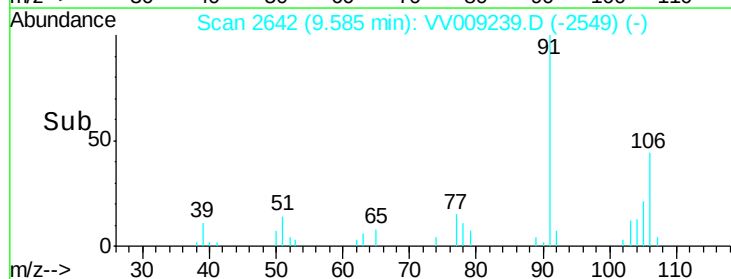
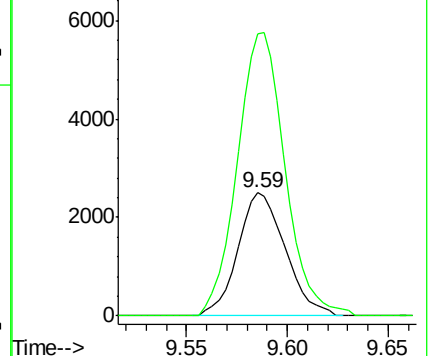
106 100

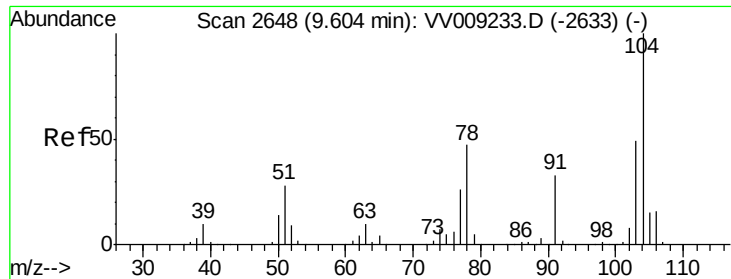
91 232.0 109.3 327.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





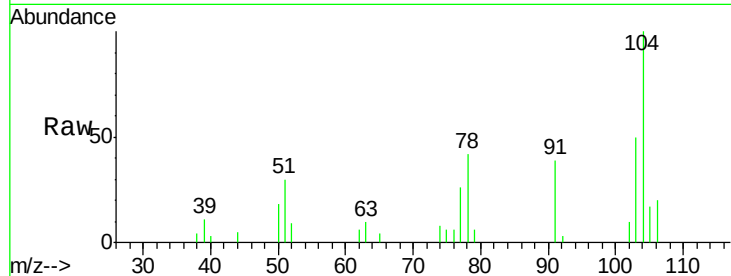
#70
Stvrene
Concen: 2.082 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	43.1	64.7
103	53.5	43.8	65.8

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1/24/2019 11:44:36 AM

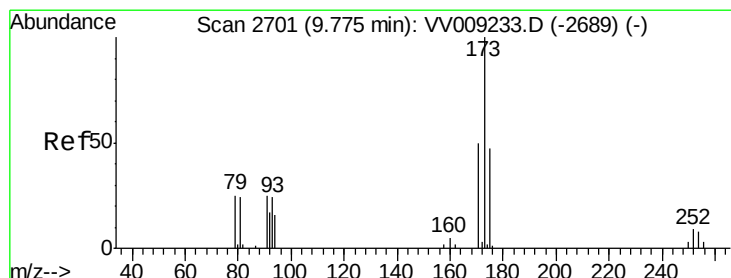
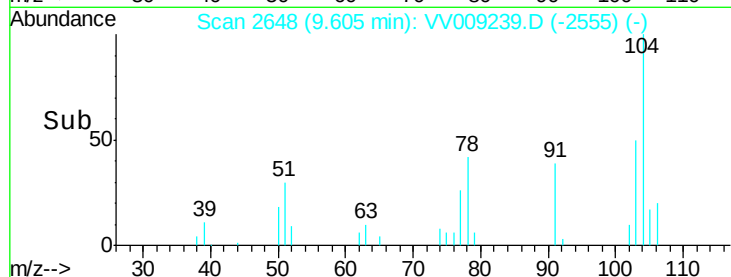
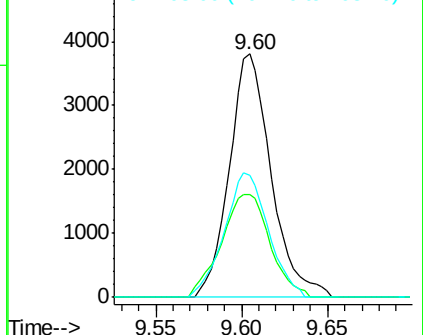


Abundance

Ion 104.00 (103.70 to 104.70): V

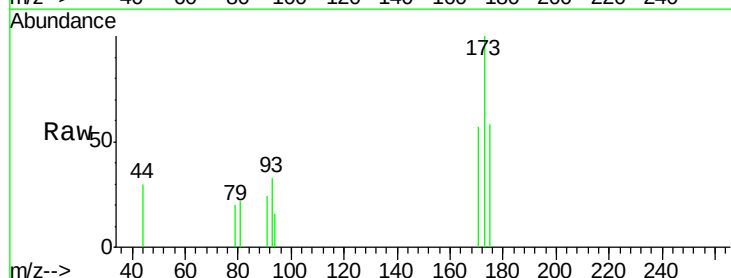
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 1.962 ug/l
RT: 9.78 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	54.5	23.4	70.0
254	0.0	0.0	0.0

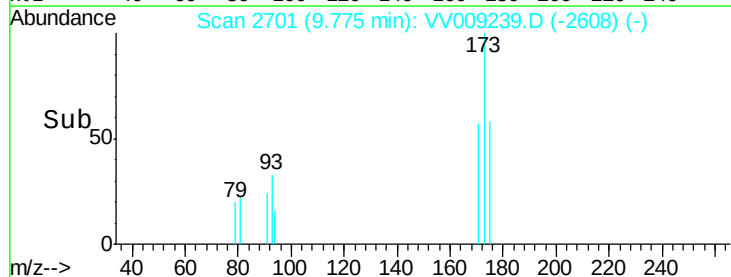
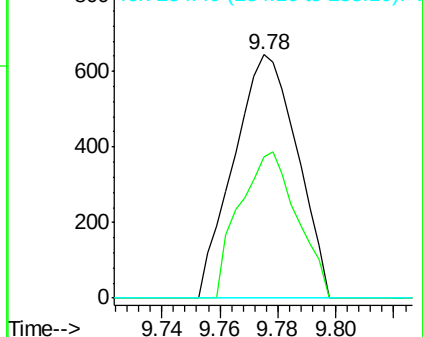


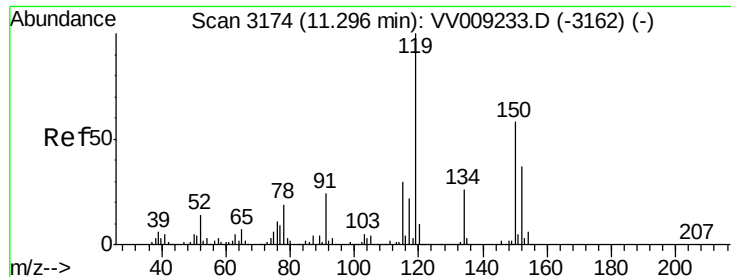
Abundance

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

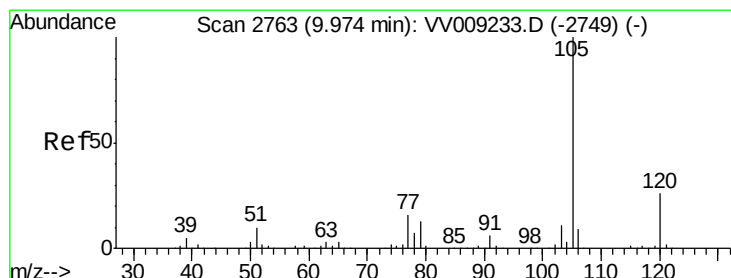
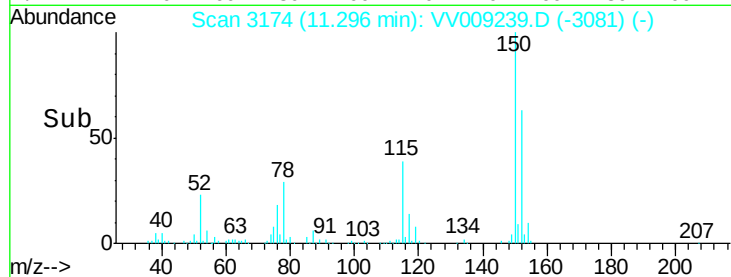
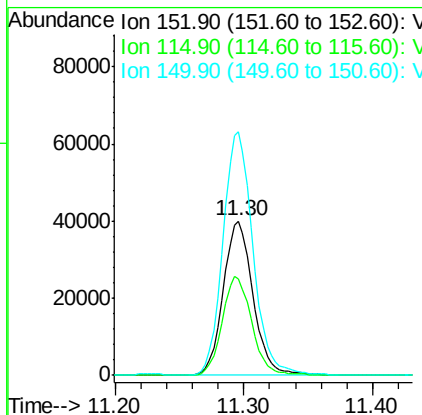
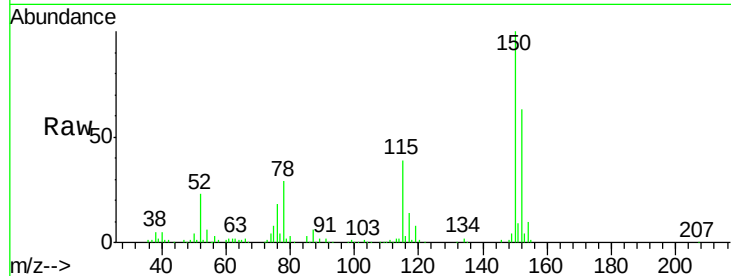
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.30 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.4	45.0	134.8
150	159.6	0.0	346.4

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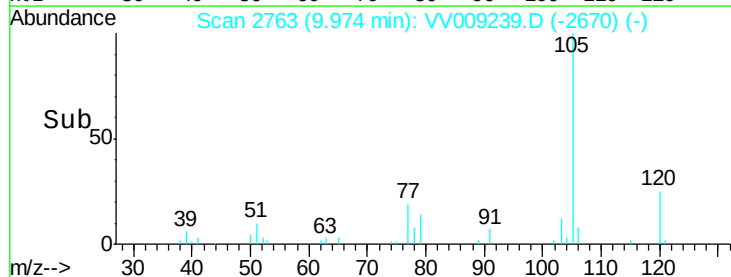
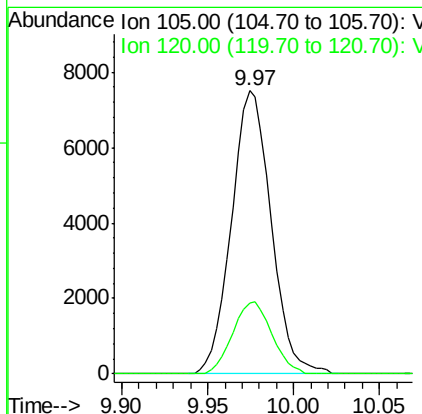
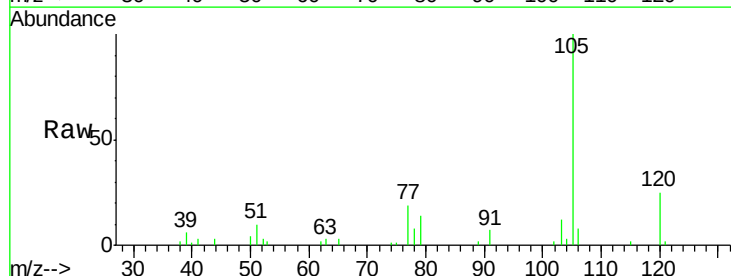
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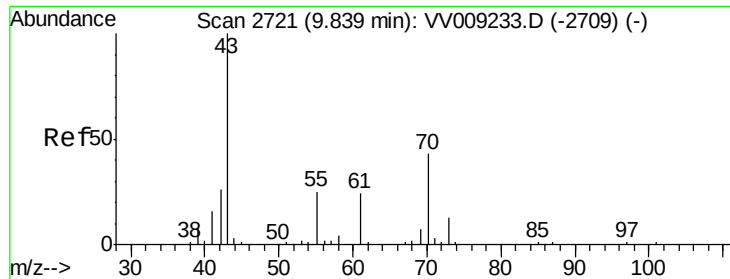


#73

Isopropylbenzene
Concen: 2.271 ug/l
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.9	38.7





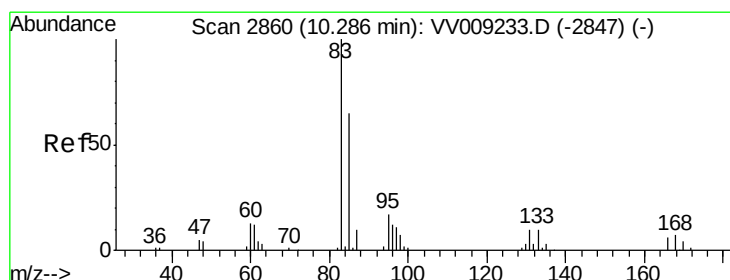
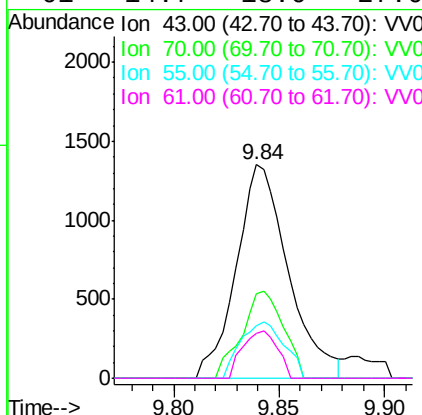
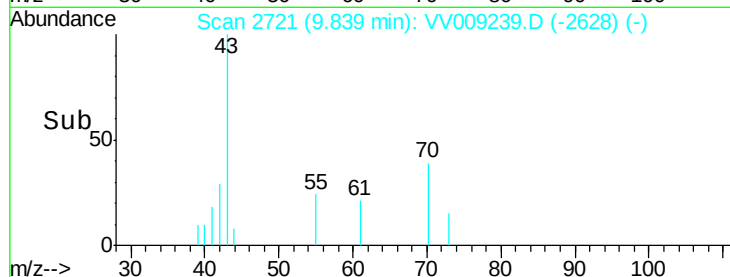
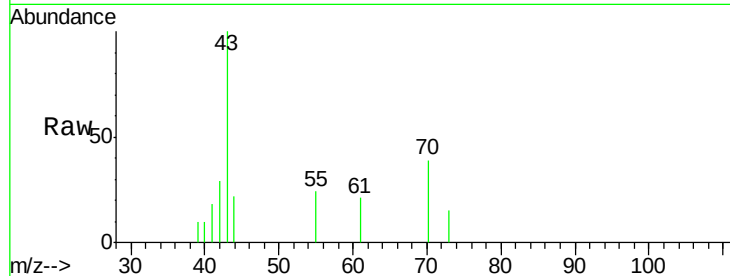
#74
N-amyl acetate
Concen: 2.367 ug/l
RT: 9.84 min Scan# 2721
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
70	32.5	33.0	49.6#
55	22.1	18.7	28.1
61	14.7	18.0	27.0#

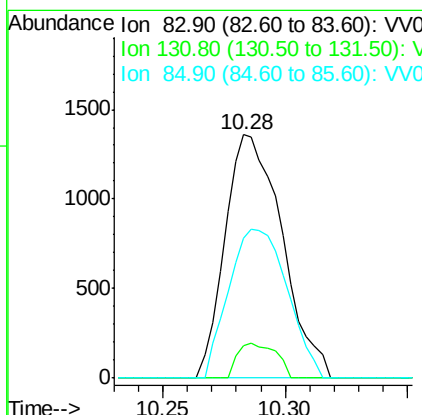
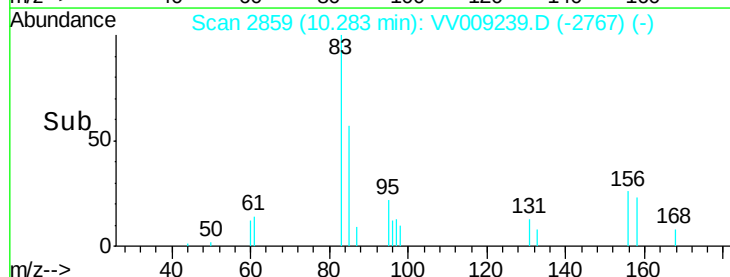
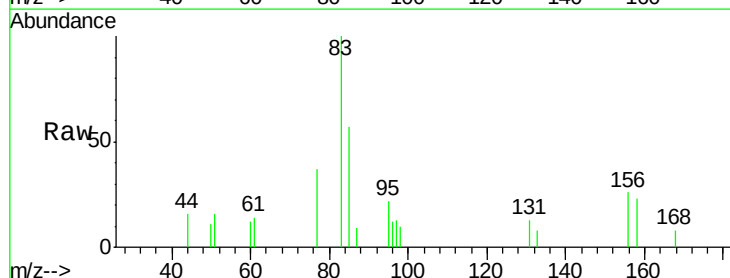
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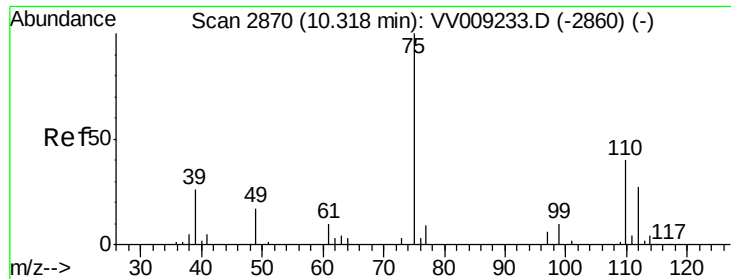
MMDadoda
1/24/2019 11:44:36 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 2.470 ug/l
RT: 10.28 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.1	15.3
85	62.7	32.6	98.0





#76

1,2,3-Trichloropropane

Concen: 2.832 ug/l m

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 75 Resp: 1988

Ion Ratio Lower Upper

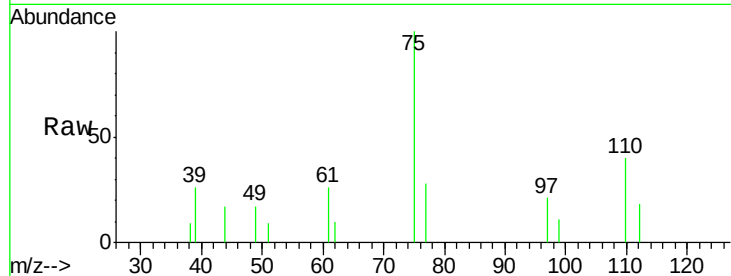
75 100

77 9.4 24.6 73.8#

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Abundance Ion 74.90 (74.60 to 75.60): VV009233.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV009233.D (-2860) (-)

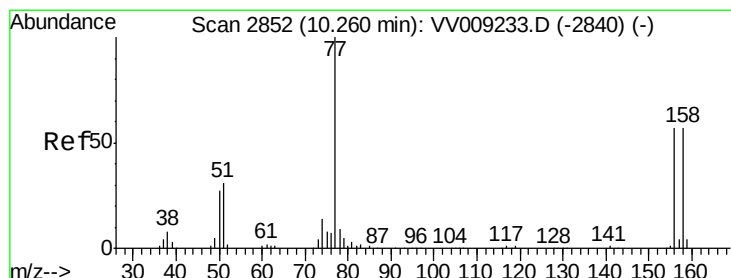
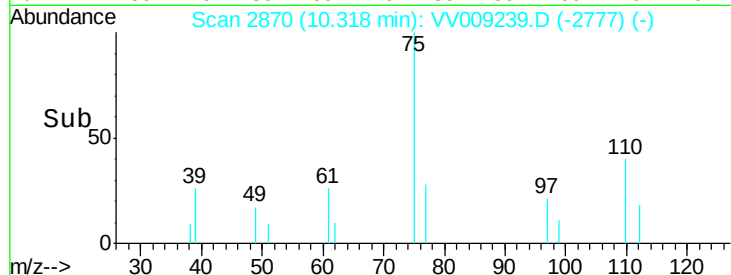
10.32

1000

500

0

Time-->



#77

Bromobenzene

Concen: 2.502 ug/l

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

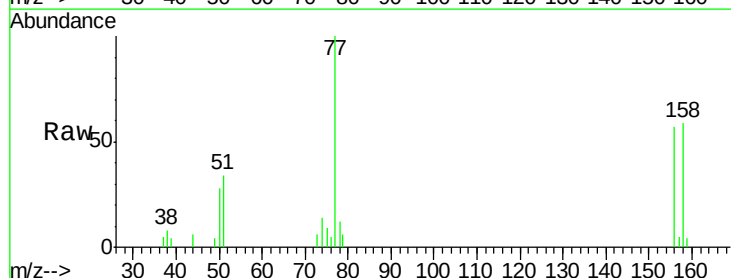
Tgt Ion: 156 Resp: 2833

Ion Ratio Lower Upper

156 100

77 182.2 86.0 258.0

158 99.3 49.8 149.3



Abundance Ion 155.80 (155.50 to 156.50): VV009233.D (-2840) (-)

Ion 77.00 (76.70 to 77.70): VV009233.D (-2840) (-)

Ion 157.80 (157.50 to 158.50): VV009233.D (-2840) (-)

10.26

4000

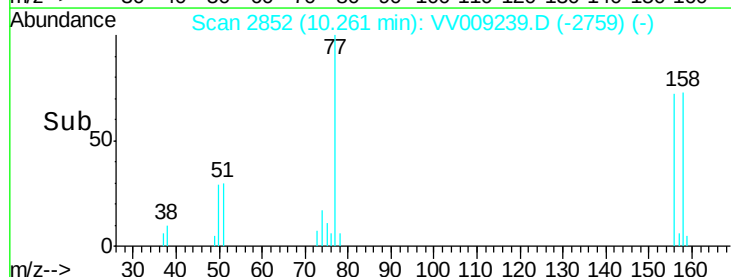
3000

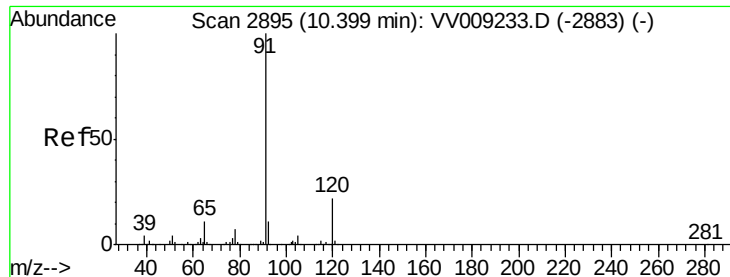
2000

1000

0

Time-->





#78

n-propylbenzene

Concen: 2.412 ug/l

RT: 10.40 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 91 Resp: 15136

Ion Ratio Lower Upper

91 100

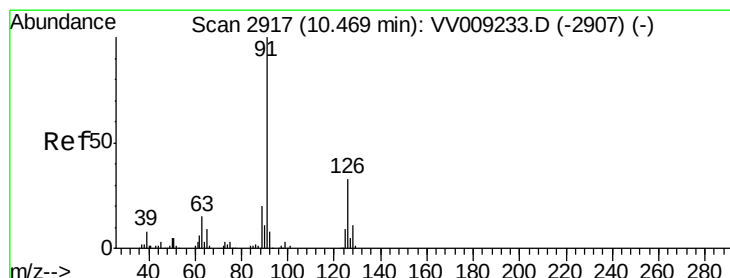
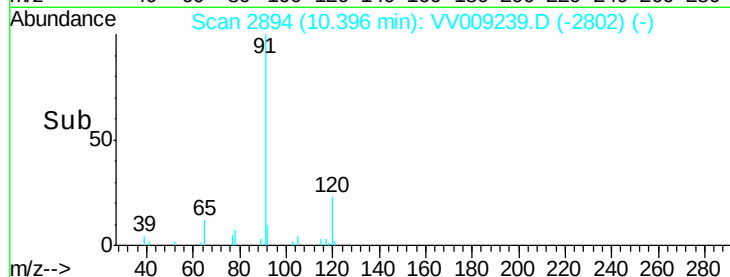
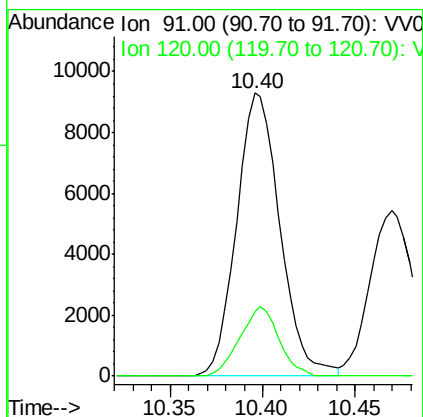
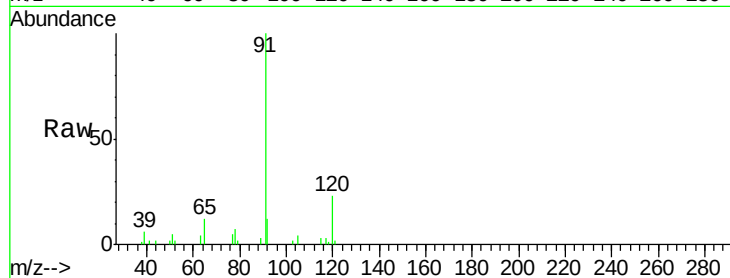
120 22.0 11.5 34.4

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1/24/2019 11:44:36 AM



#79

2-Chlorotoluene

Concen: 2.324 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VV009239.D

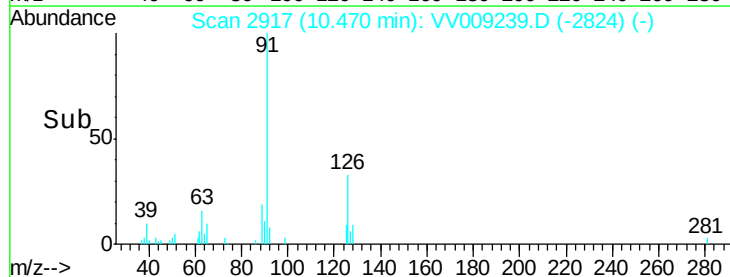
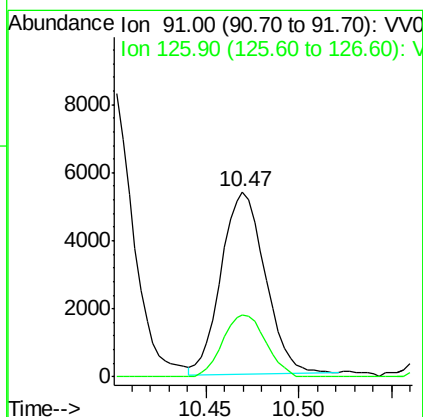
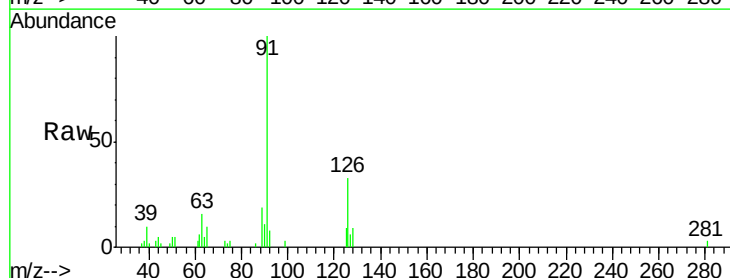
Acq: 22 Jan 2019 17:09

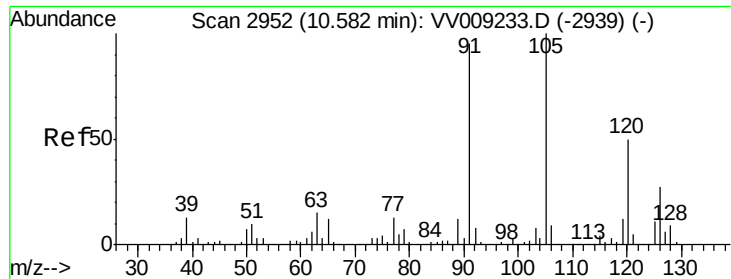
Tgt Ion: 91 Resp: 8801

Ion Ratio Lower Upper

91 100

126 33.2 16.2 48.6





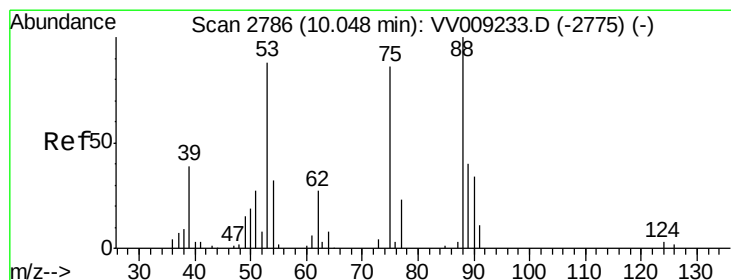
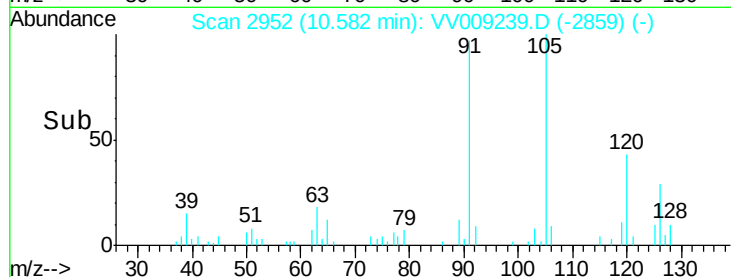
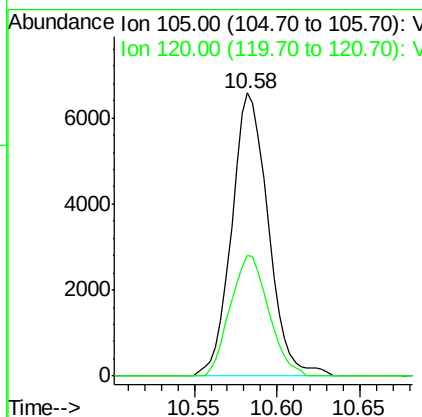
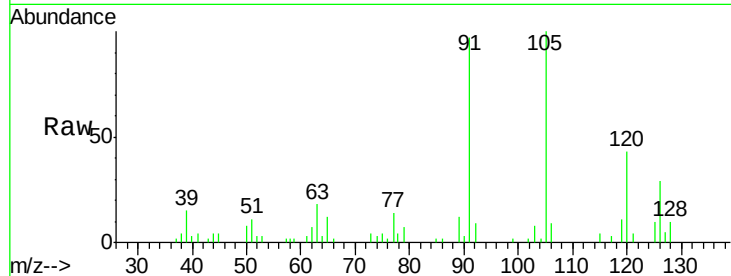
#80
 1,3,5-Trimethylbenzene
 Concen: 2.276 ug/l
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion:105 Resp: 10104
 Ion Ratio Lower Upper
 105 100
 120 44.5 24.3 73.0

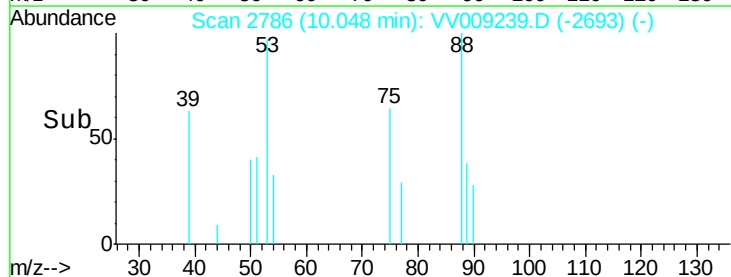
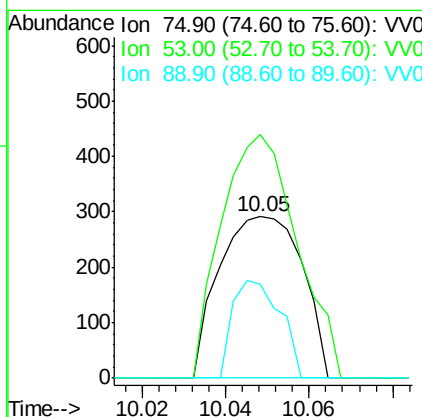
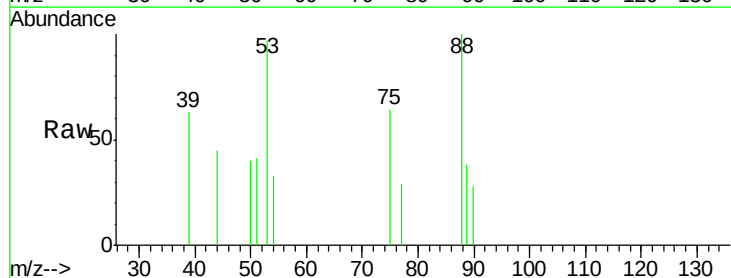
Manual Integrations
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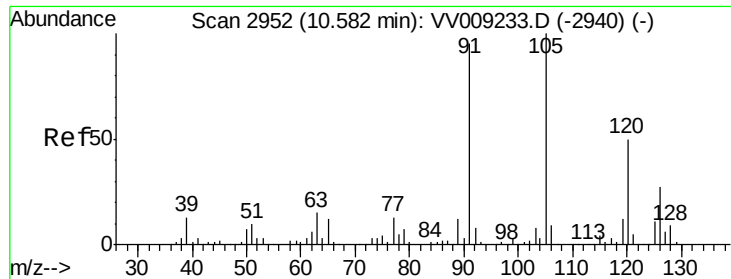
MMDadoda
 1/24/2019 11:44:36 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.621 ug/l m
 RT: 10.05 min Scan# 2786
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Tgt Ion: 75 Resp: 402
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.1 123.1#
 89 0.0 36.2 54.4#





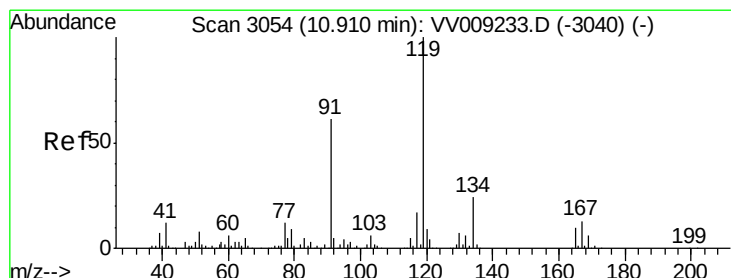
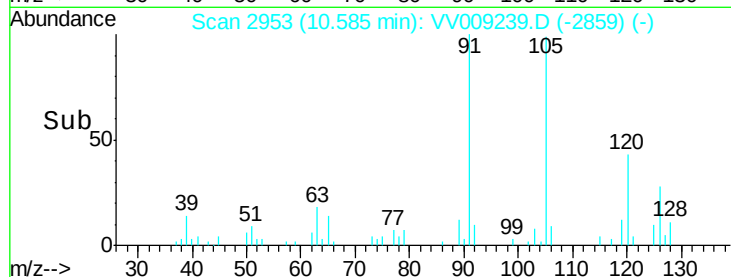
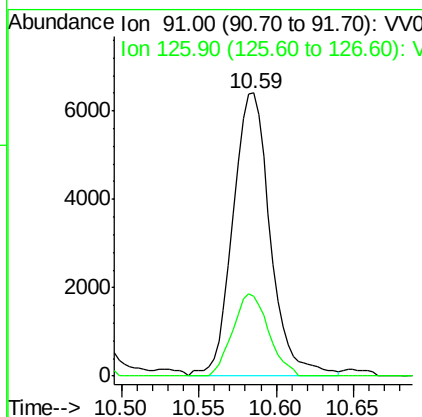
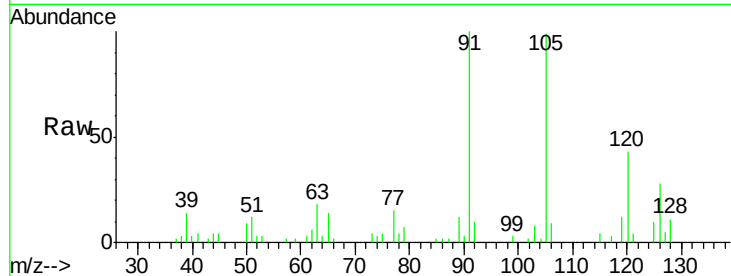
#82
4-Chlorotoluene
Concen: 2.415 ug/l
RT: 10.59 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion: 91 Resp: 10769
Ion Ratio Lower Upper
91 100
126 27.8 14.3 42.9

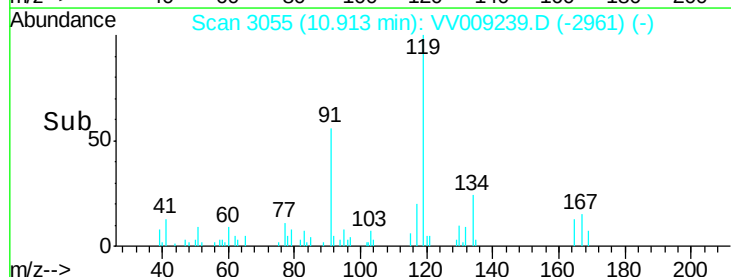
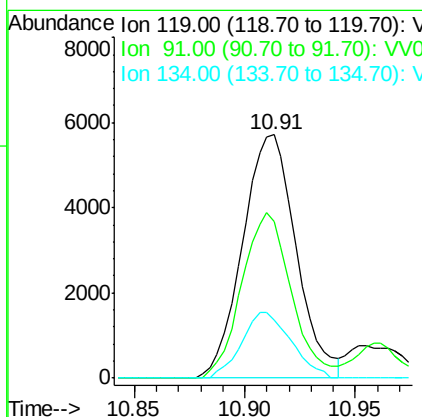
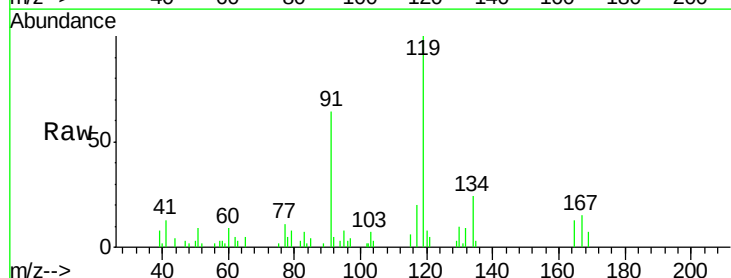
Manual Integrations
APPROVED

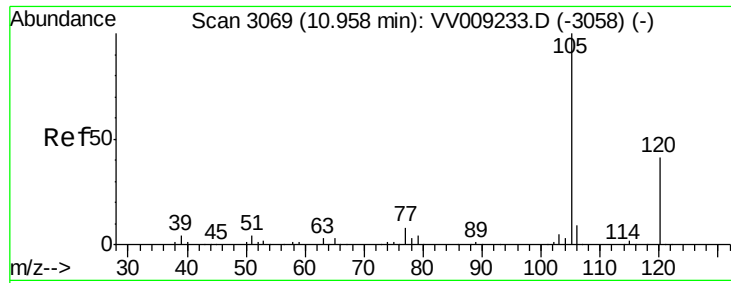
MMDadoda
1/24/2019 11:44:36 AM



#83
tert-Butylbenzene
Concen: 2.275 ug/l
RT: 10.91 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion: 119 Resp: 9618
Ion Ratio Lower Upper
119 100
91 62.5 30.0 90.1
134 25.0 11.9 35.7





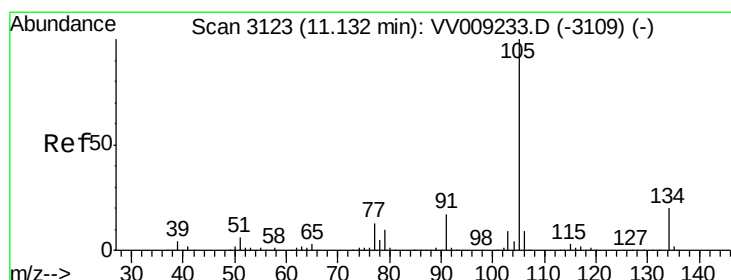
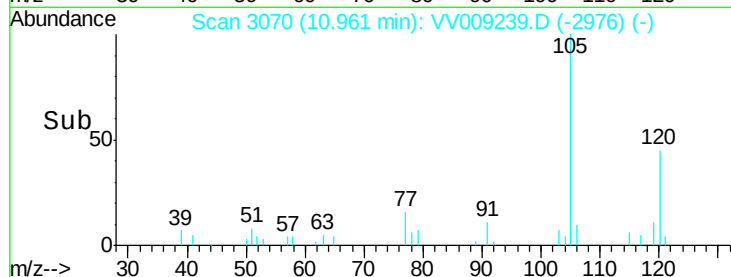
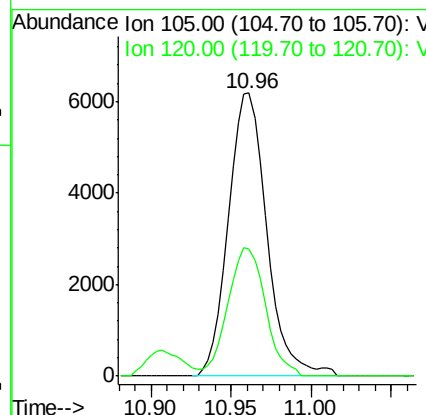
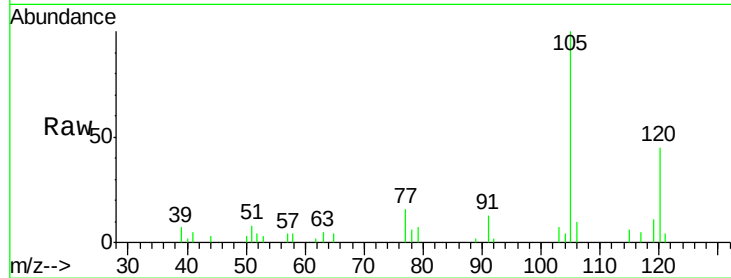
#84
 1,2,4-Trimethylbenzene
 Concen: 2.260 ug/l
 RT: 10.96 min Scan# 3070
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion:105 Resp: 10122
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.6 67.7

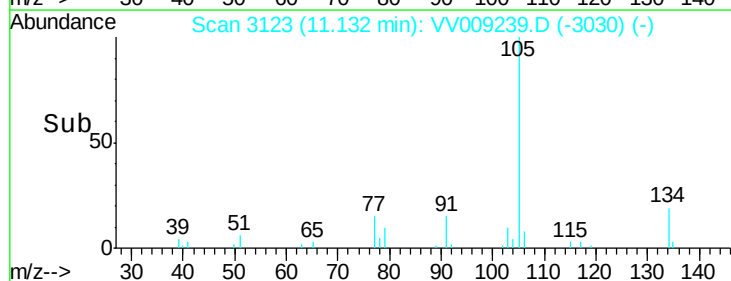
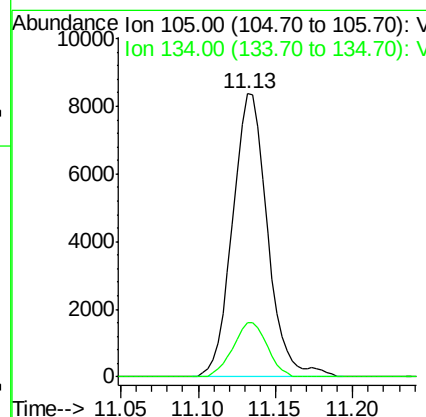
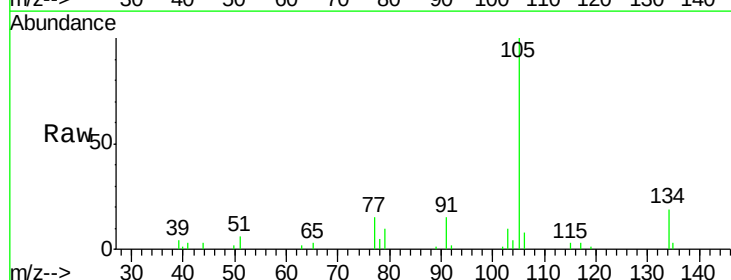
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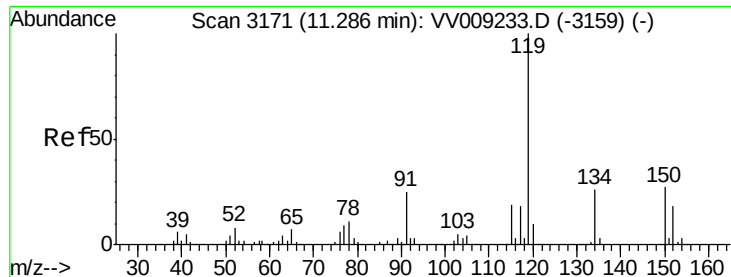
MMDadoda
 1/24/2019 11:44:36 AM



#85
 sec-Butylbenzene
 Concen: 2.371 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Tgt Ion:105 Resp: 13129
 Ion Ratio Lower Upper
 105 100
 134 18.6 10.1 30.3





#86

p-Isopropyltoluene

Concen: 2.343 ug/l

RT: 11.29 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

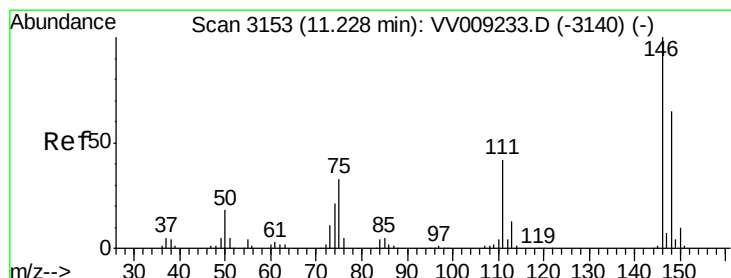
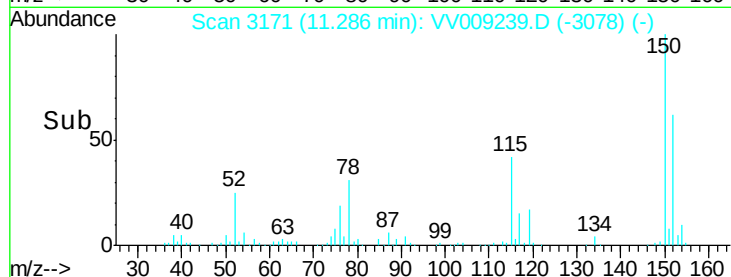
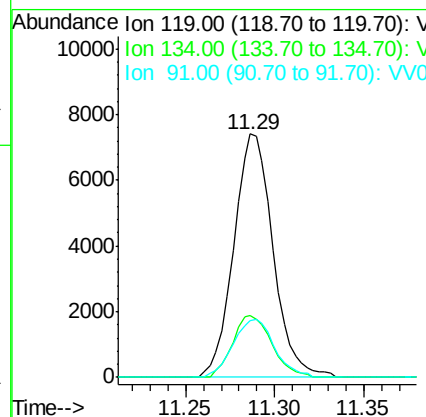
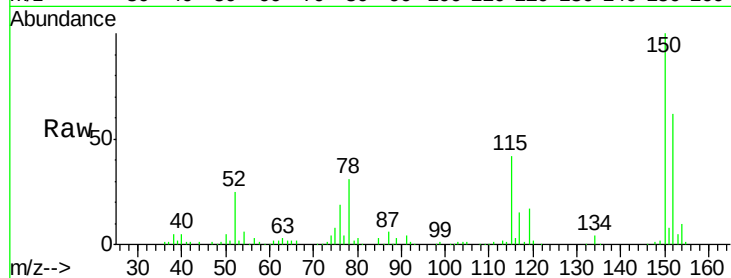
ClientSampled :

MDL02

Tot Ion:	119	Resp:	11361
Ion Ratio	Lower	Upper	
119	100		
134	25.4	13.0	38.9
91	25.1	12.4	37.2

Manual Integrations
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#87

1,3-Dichlorobenzene

Concen: 2.462 ug/l

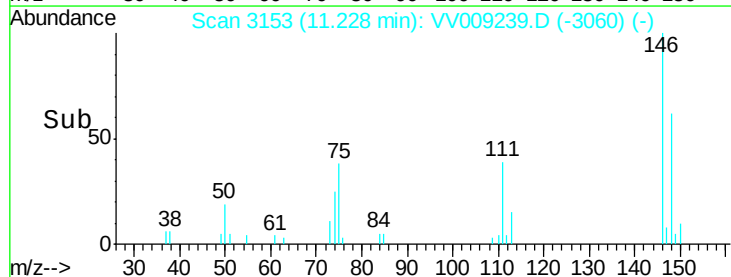
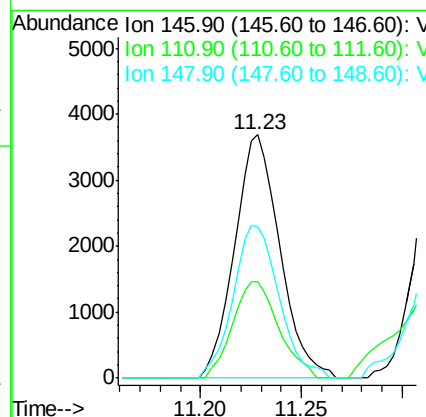
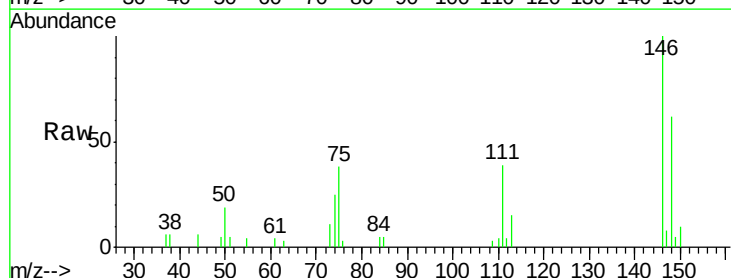
RT: 11.23 min Scan# 3153

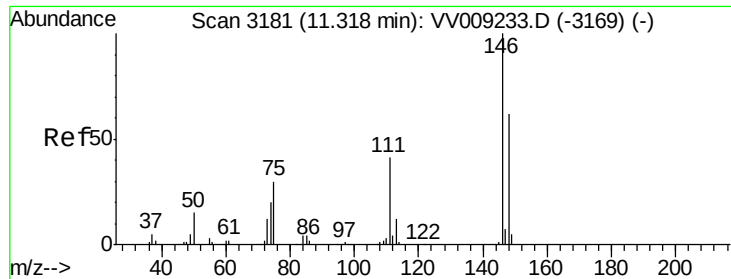
Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion:	146	Resp:	5788
Ion Ratio	Lower	Upper	
146	100		
111	40.3	21.1	63.4
148	63.6	32.1	96.3





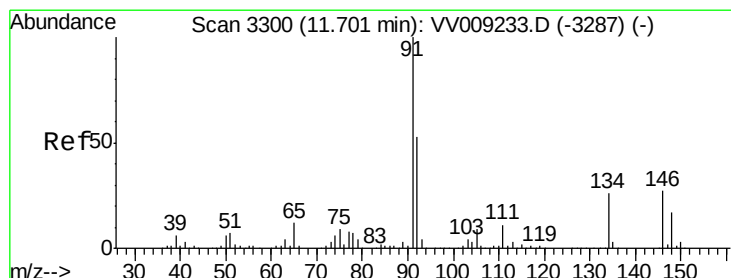
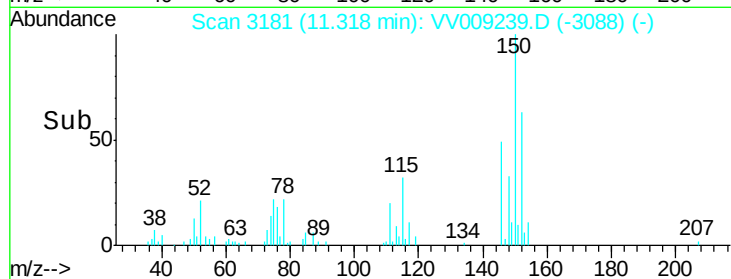
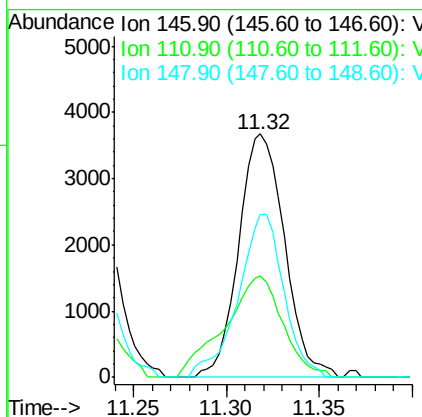
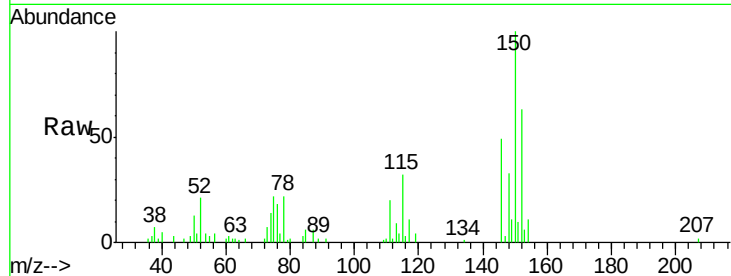
#88
 1,4-Dichlorobenzene
 Concen: 2.668 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.9	20.5	61.5
148	66.5	31.4	94.3

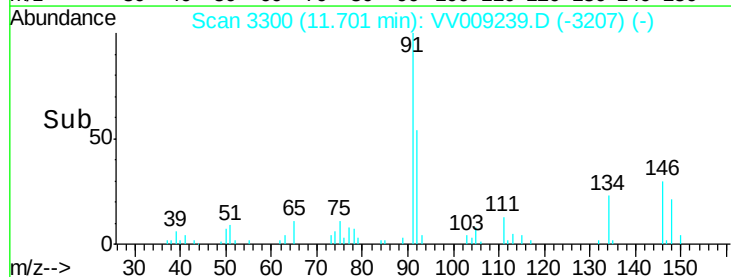
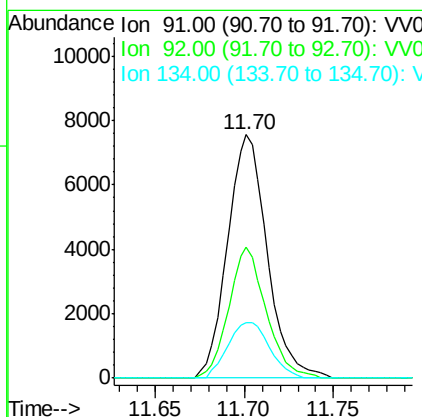
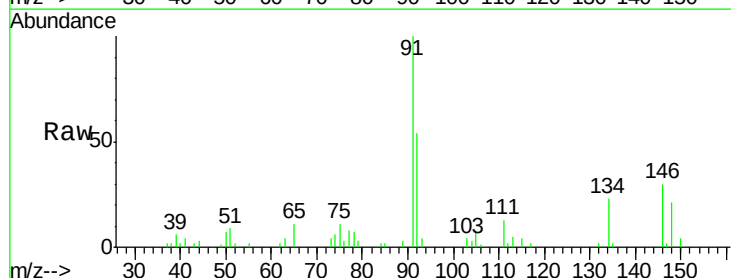
Manual Integrations
 APPROVED

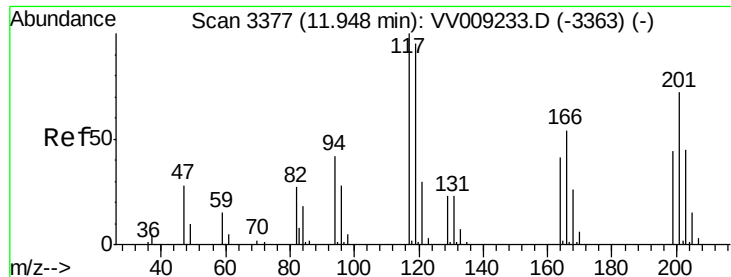
MMDadoda
 1/24/2019 11:44:36 AM



#89
 n-Butylbenzene
 Concen: 2.487 ug/l
 RT: 11.70 min Scan# 3300
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.5	27.2	81.5
134	23.9	12.6	37.8





#90

Hexachloroethane

Concen: 2.263 ug/l

RT: 11.95 min Scan# 3376

Delta R.T. -0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:117 Resp: 1951

Ion Ratio Lower Upper

117 100

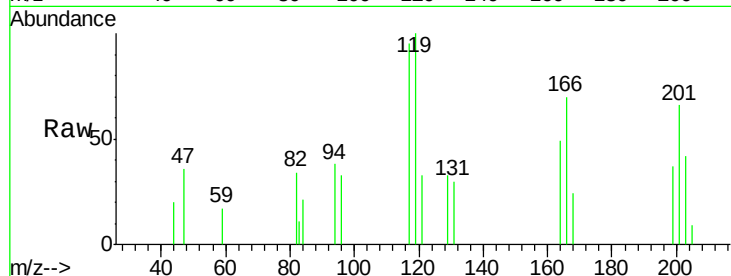
201 66.7 35.2 105.6

Manual Integrations

APPROVED

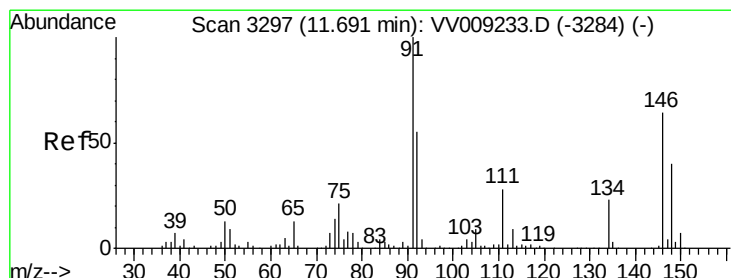
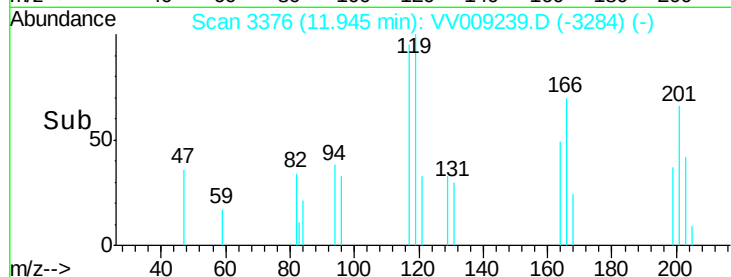
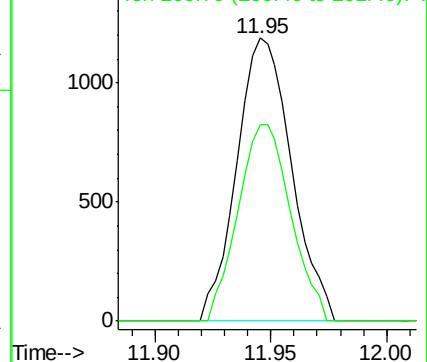
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1/24/2019 11:44:36 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 2.507 ug/l

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

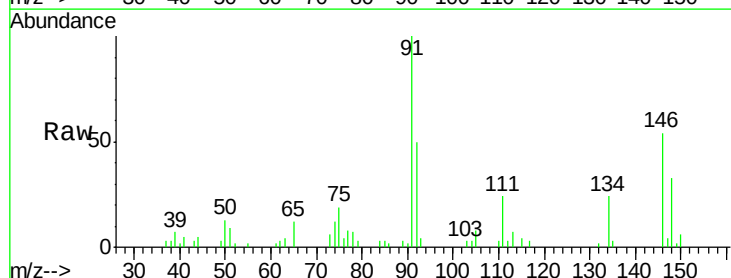
Tgt Ion:146 Resp: 5204

Ion Ratio Lower Upper

146 100

111 45.1 21.9 65.8

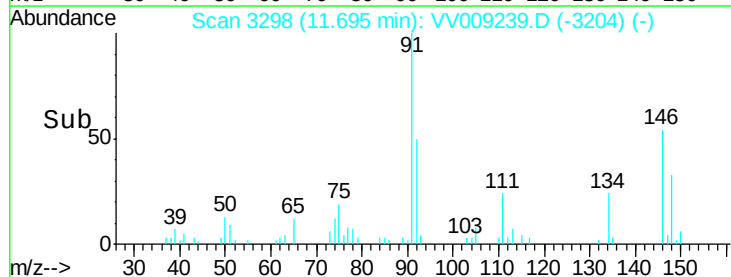
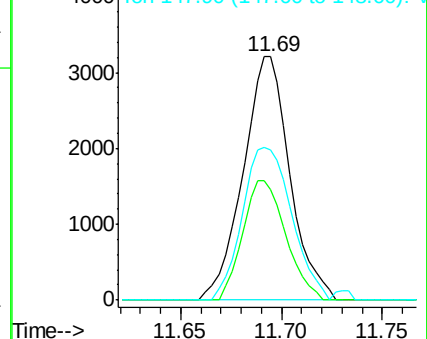
148 66.4 31.6 95.0

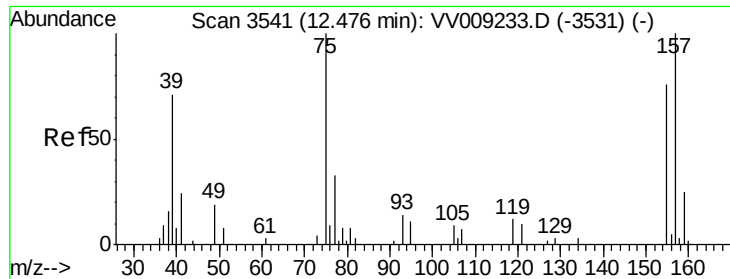


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.356 ug/l

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Instrument :

MSVOA_V

ClientSampled :

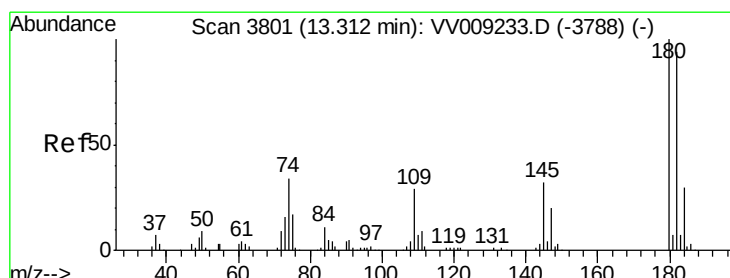
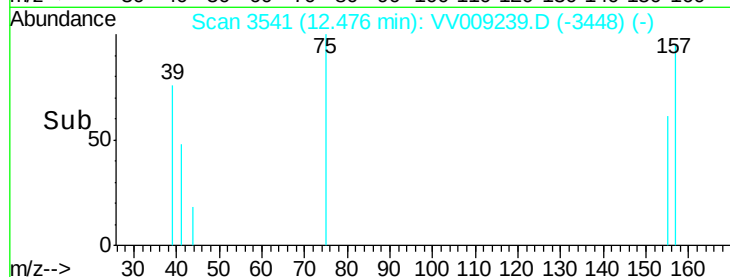
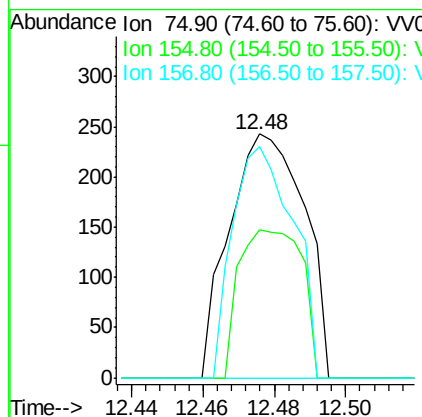
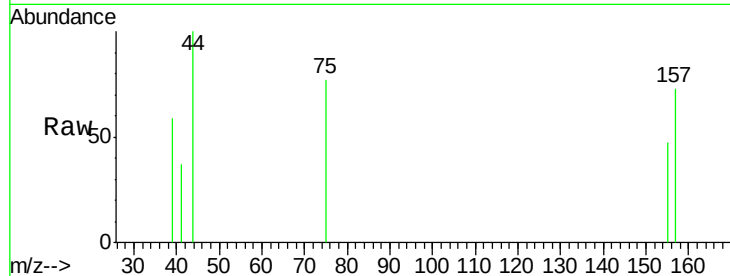
MDL02

Tot Ion: 75 Resp: 353

Ion	Ratio	Lower	Upper
75	100		
155	50.7	38.0	114.0
157	76.8	50.8	152.4

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 2.745 ug/l

RT: 13.31 min Scan# 3801

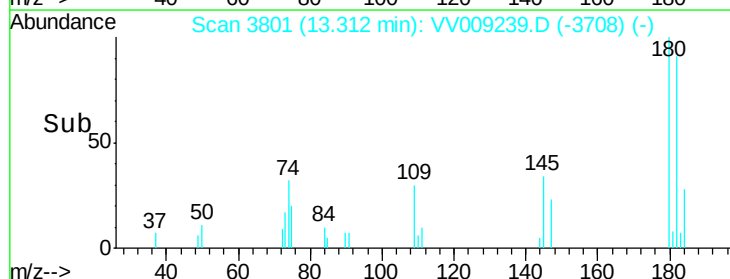
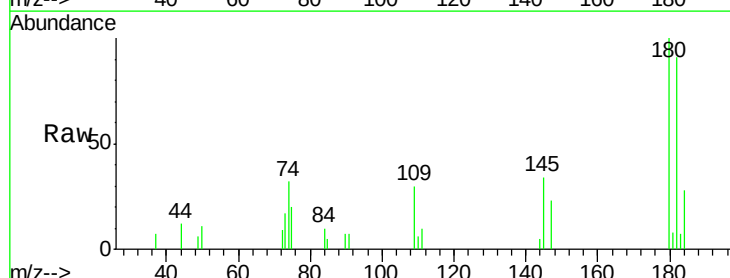
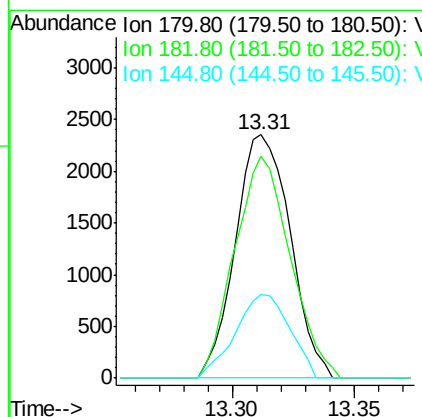
Delta R.T. 0.00 min

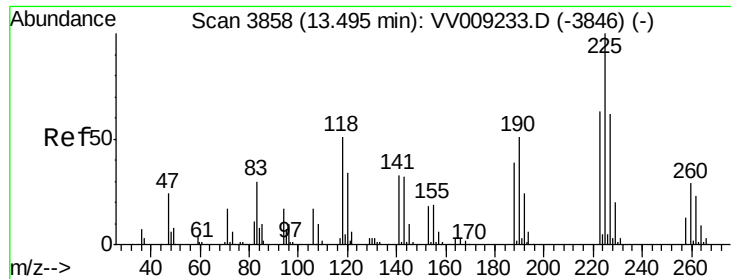
Lab File: VV009239.D

Acq: 22 Jan 2019 17:09

Tgt Ion: 180 Resp: 3668

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.1	141.4
145	34.1	16.0	48.0





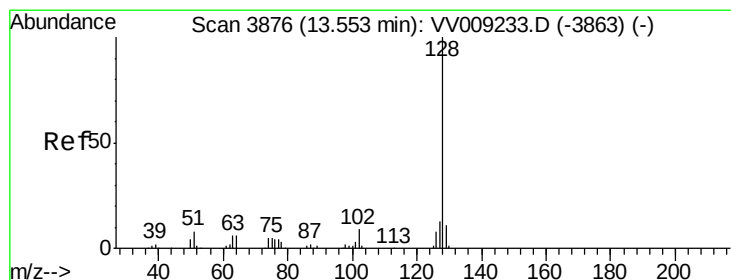
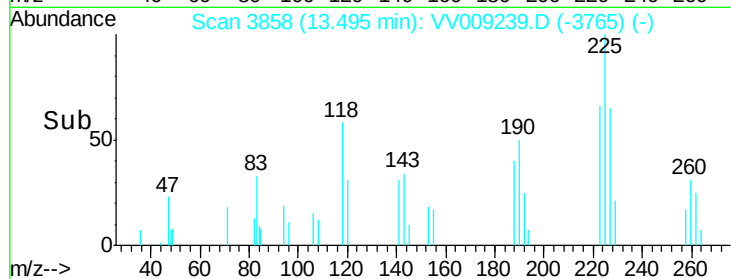
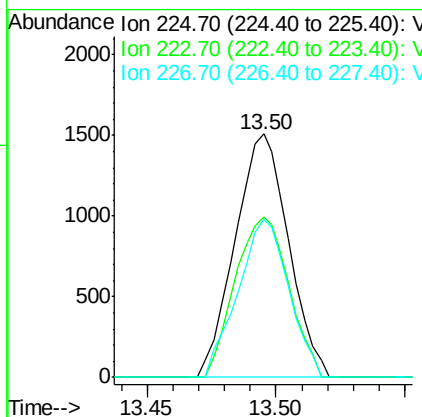
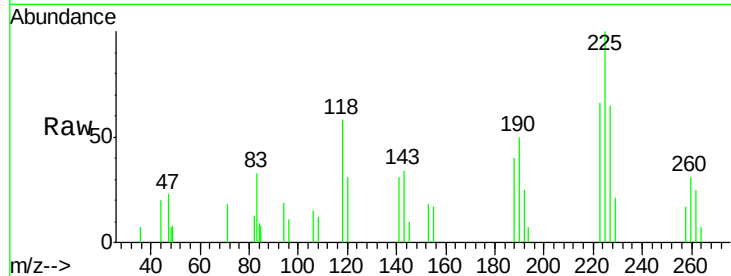
#94
Hexachlorobutadiene
Concen: 2.633 ug/l
RT: 13.50 min Scan# 3858
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
225	100		
223	66.2	31.7	95.1
227	61.8	31.6	95.0

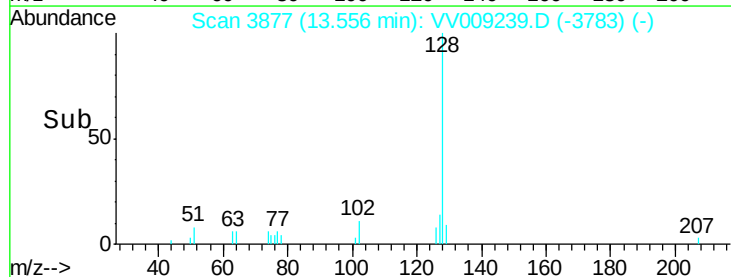
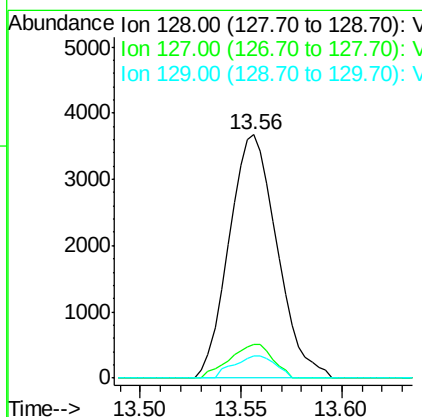
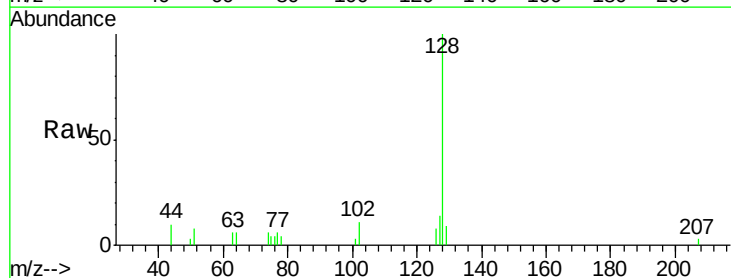
Manual Integrations
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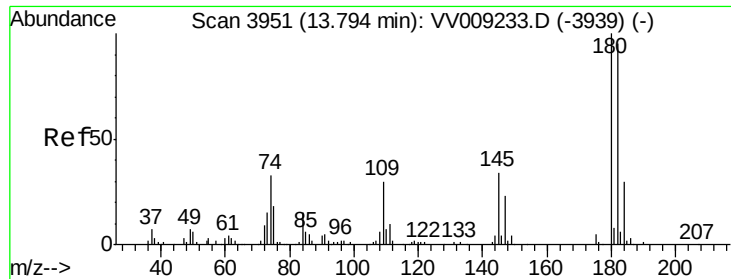
MMDadoda
1/24/2019 11:44:36 AM



#95
Naphthalene
Concen: 2.643 ug/l
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV009239.D
Acq: 22 Jan 2019 17:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.7	16.1
129	8.1	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.919 ug/l
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009239.D
 Acq: 22 Jan 2019 17:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.4	142.2
145	33.8	17.2	51.5

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:36 AM

