

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011819\
 Data File : VV009224.D
 Acq On : 18 Jan 2019 16:55
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:45:27 AM

Quant Time: Jan 19 03:18:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 19 02:50:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	95174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	167586	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	156095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	79712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	63629	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	4.64	113	55005	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	7.36	98	208255	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	10.12	95	81039	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	36748	50.000	ug/l 100
3) Chloromethane	1.25	50	52110	50.000	ug/l 100
4) Vinyl Chloride	1.33	62	51212	50.000	ug/l 100
5) Bromomethane	1.53	94	33493	50.000	ug/l 100
6) Chloroethane	1.60	64	31974	50.000	ug/l 100
7) Trichlorofluoromethane	1.76	101	29789	50.000	ug/l 100
8) Diethyl Ether	1.96	74	24874	50.000	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.14	101	46266	50.000	ug/l 100
10) Methyl Iodide	2.26	142	74592	50.000	ug/l 100
11) Tert butyl alcohol	2.66	59	18444	250.000	ug/l 100
12) 1,1-Dichloroethene	2.14	96	44551	50.000	ug/l 100
13) Acrolein	2.06	56	15135	250.000	ug/l 100
14) Allyl chloride	2.42	41	80361	50.000	ug/l 100
15) Acrylonitrile	2.76	53	52168	250.000	ug/l 100
16) Acetone	2.18	43	65499	250.000	ug/l 100
17) Carbon Disulfide	2.32	76	137960	50.000	ug/l 100
18) Methyl Acetate	2.45	43	34406	50.000	ug/l 100
19) Methyl tert-butyl Ether	2.80	73	72824	50.000	ug/l 100
20) Methylene Chloride	2.53	84	50817	50.000	ug/l 100
21) trans-1,2-Dichloroethene	2.78	96	49157	50.000	ug/l 100
22) Diisopropyl ether	3.32	45	182976	50.000	ug/l 100
23) Vinyl Acetate	3.30	43	497696	250.000	ug/l 100
24) 1,1-Dichloroethane	3.22	63	107684	50.000	ug/l 100
25) 2-Butanone	4.01	43	82176	250.000	ug/l 100
26) 2,2-Dichloropropane	3.95	77	60087	50.000	ug/l 100
27) cis-1,2-Dichloroethene	3.95	96	62951	50.000	ug/l 100
28) Bromochloromethane	4.29	49	45231	50.000	ug/l 100
29) Tetrahydrofuran	4.38	42	49206	250.000	ug/l 100
30) Chloroform	4.42	83	113481	50.000	ug/l 100
31) Cyclohexane	4.72	56	91907	50.000	ug/l 100
32) 1,1,1-Trichloroethane	4.65	97	92009	50.000	ug/l 100
36) 1,1-Dichloropropene	4.87	75	81803	50.000	ug/l 100
37) Ethyl Acetate	4.12	43	34584	50.000	ug/l 100
38) Carbon Tetrachloride	4.87	117	83380	50.000	ug/l 100

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 Quant Title : SW846 8260
 QLast Update : Sat Jan 19 02:50:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	98313	50.000	ug/l	100
40) Benzene	5.14	78	237978	50.000	ug/l	100
41) Methacrylonitrile	4.31	41	20275	50.000	ug/l	100
42) 1,2-Dichloroethane	5.18	62	79783	50.000	ug/l	100
43) Isopropyl Acetate	5.32	43	67704	50.000	ug/l	100
44) Trichloroethene	5.96	130	59836	50.000	ug/l	100
45) 1,2-Dichloropropane	6.22	63	59405	50.000	ug/l	100
46) Dibromomethane	6.35	93	31374	50.000	ug/l	100
47) Bromodichloromethane	6.55	83	83284	50.000	ug/l	100
48) Methyl methacrylate	6.42	41	35528	50.000	ug/l	100
49) 1,4-Dioxane	6.41	88	8437	1000.000	ug/l	100
51) 4-Methyl-2-Pentanone	7.27	43	177015	250.000	ug/l	100
52) Toluene	7.43	92	150875	50.000	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	81675	50.000	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	94354	50.000	ug/l	100
55) 1,1,2-Trichloroethane	7.88	97	42004	50.000	ug/l	100
56) Ethyl methacrylate	7.83	69	52795	50.000	ug/l	100
57) 1,3-Dichloropropane	8.05	76	79204	50.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.94	63	2372	250.000	ug/l	100
59) 2-Hexanone	8.18	43	126902	250.000	ug/l	100
60) Dibromochloromethane	8.29	129	51721	50.000	ug/l	100
61) 1,2-Dibromoethane	8.40	107	41981	50.000	ug/l	100
64) Tetrachloroethene	8.02	164	48406	50.000	ug/l	100
65) Chlorobenzene	8.93	112	164252	50.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	58330	50.000	ug/l	100
67) Ethyl Benzene	9.05	91	296175	50.000	ug/l	100
68) m/p-Xylenes	9.18	106	221008	100.000	ug/l	100
69) o-Xylene	9.59	106	106033	50.000	ug/l	100
70) Styrene	9.60	104	173920	50.000	ug/l	100
71) Bromoform	9.77	173	28233	50.000	ug/l	# 100
73) Isopropylbenzene	9.97	105	296612	50.000	ug/l	100
74) N-amyl acetate	9.84	43	63041	50.000	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.29	83	52790	50.000	ug/l	100
76) 1,2,3-Trichloropropane	10.32	75	39834m	50.000	ug/l	
77) Bromobenzene	10.26	156	64770	50.000	ug/l	100
78) n-propylbenzene	10.40	91	354250	50.000	ug/l	100
79) 2-Chlorotoluene	10.47	91	211462	50.000	ug/l	100
80) 1,3,5-Trimethylbenzene	10.59	105	252318	50.000	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	15157	50.000	ug/l	100
82) 4-Chlorotoluene	10.58	91	254680	50.000	ug/l	100
83) tert-Butylbenzene	10.91	119	239060	50.000	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	258002	50.000	ug/l	100
85) sec-Butylbenzene	11.13	105	307235	50.000	ug/l	100
86) p-Isopropyltoluene	11.29	119	273092	50.000	ug/l	100
87) 1,3-Dichlorobenzene	11.23	146	131009	50.000	ug/l	100
88) 1,4-Dichlorobenzene	11.32	146	132200	50.000	ug/l	100
89) n-Butylbenzene	11.70	91	268068	50.000	ug/l	100
90) Hexachloroethane	11.95	117	50087	50.000	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	117810	50.000	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	9249	50.000	ug/l	100

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Quant Title : SW846 8260
QLast Update : Sat Jan 19 02:50:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	78379	50.000	ug/l	100
94) Hexachlorobutadiene	13.49	225	44872	50.000	ug/l	100
95) Naphthalene	13.55	128	141200	50.000	ug/l	100
96) 1,2,3-Trichlorobenzene	13.79	180	69091	50.000	ug/l	100

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

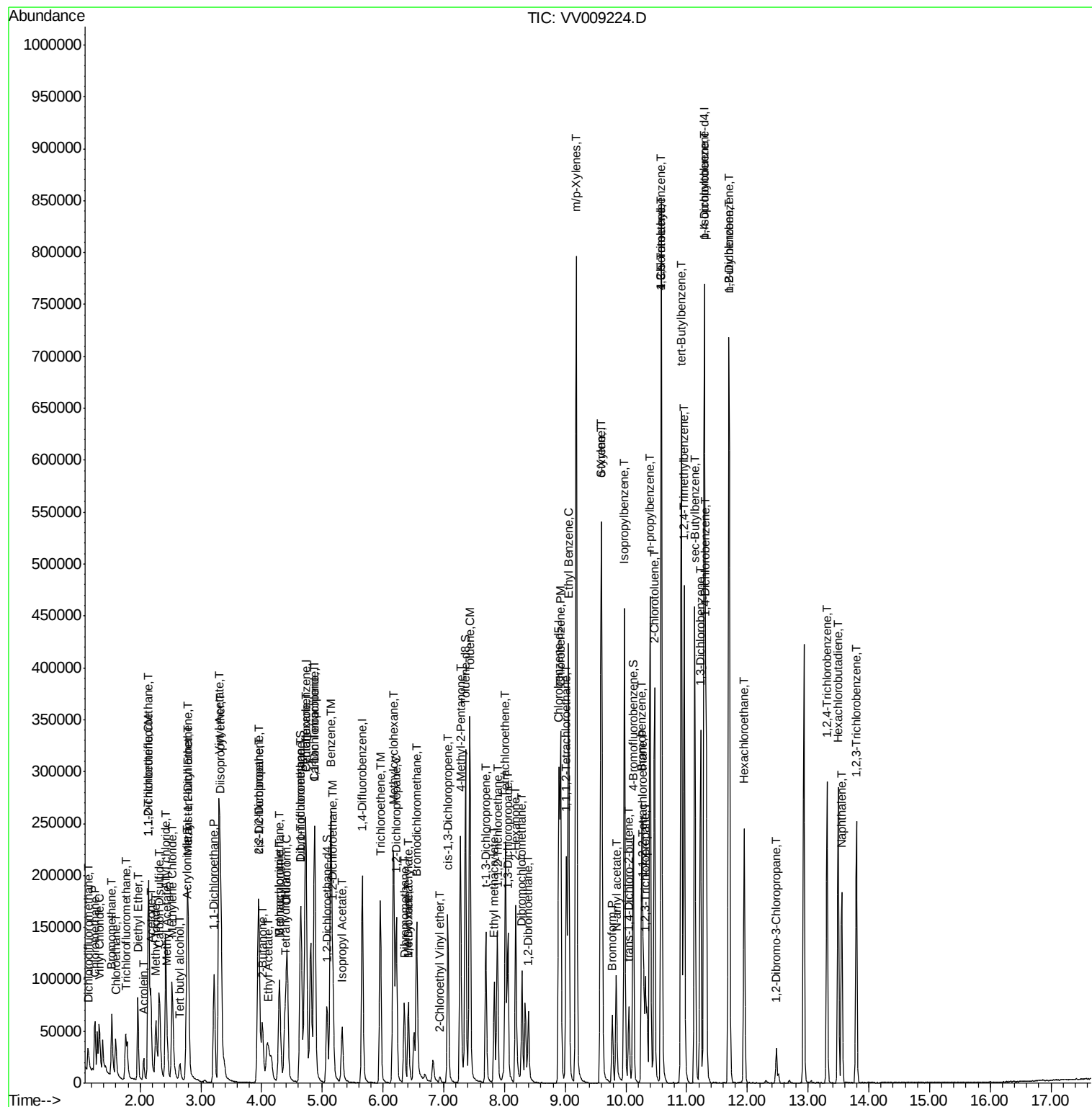
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV011819\
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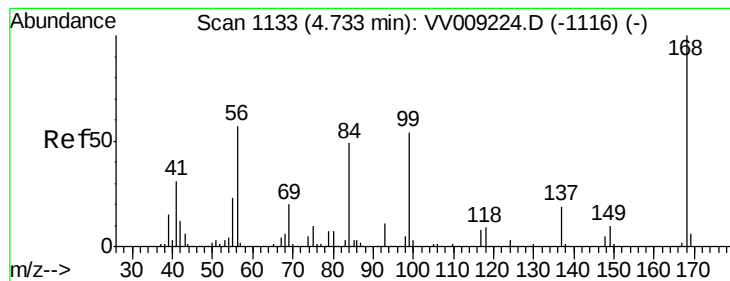
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 95174

Ion Ratio Lower Upper

168 100

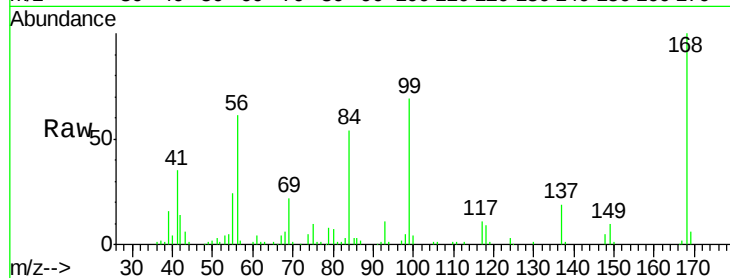
99 68.4 54.7 82.1

Manual Integrations

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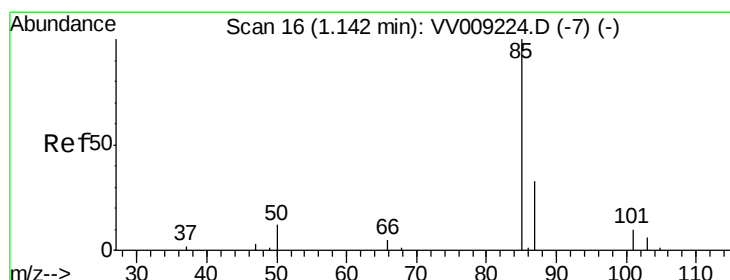
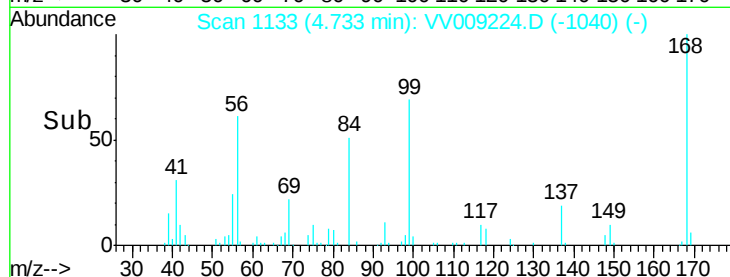
Abundance Ion 167.90 (167.60 to 168.60): VV009224.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009224.D (-1116) (-)

4.73

4.70 4.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.000 ug/l

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV009224.D

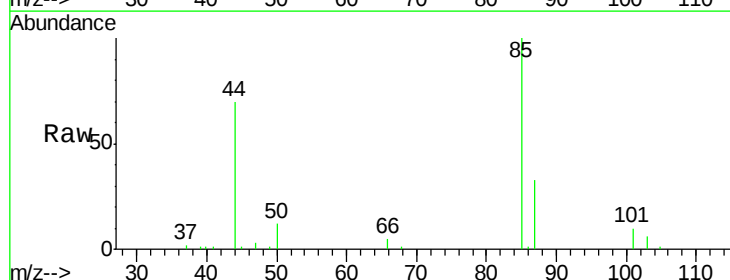
Acq: 18 Jan 2019 16:55

Tgt Ion: 85 Resp: 36748

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



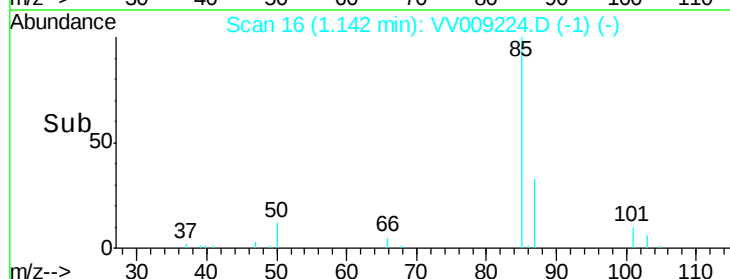
Abundance Ion 84.90 (84.60 to 85.60): VV009224.D (-7) (-)

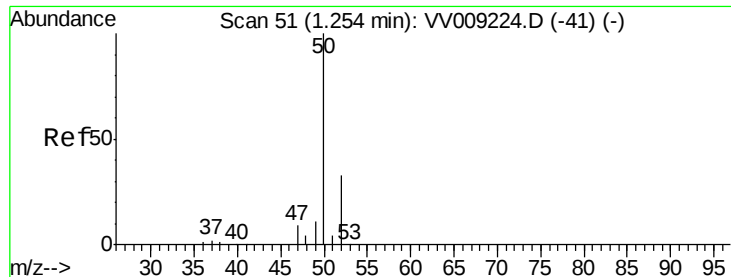
Ion 86.90 (86.60 to 87.60): VV009224.D (-7) (-)

1.14

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 50.000 ug/l

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 52110

Ion Ratio Lower Upper

50 100

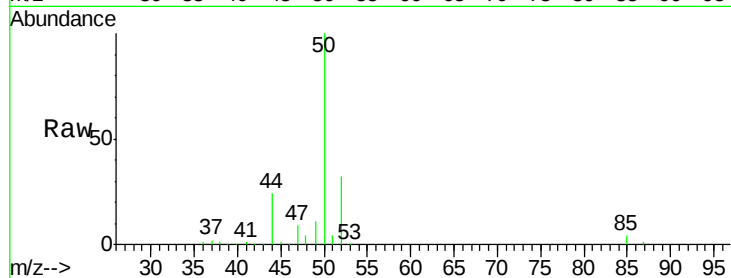
52 32.6 26.1 39.1

Manual Integrations

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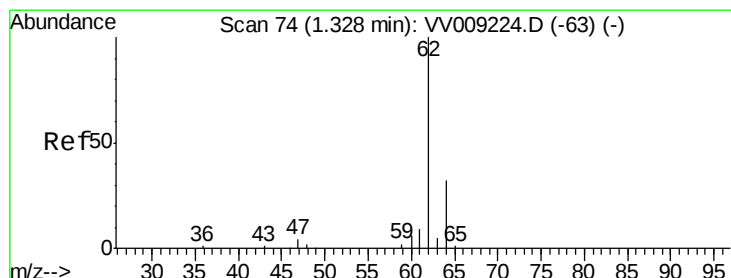
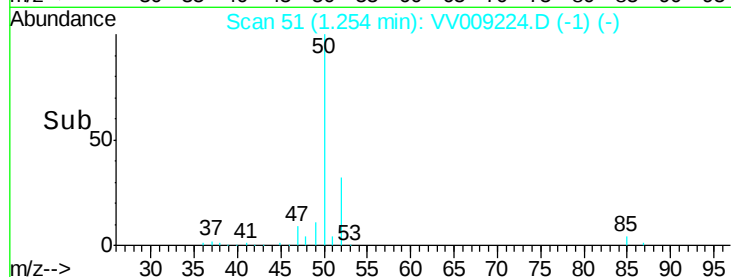
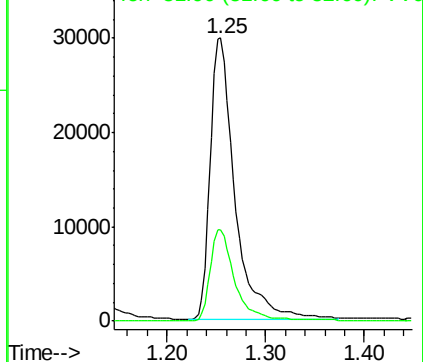
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Abundance Ion 49.90 (49.60 to 50.60): VV0

Ion 51.90 (51.60 to 52.60): VV0



#4

Vinyl Chloride

Concen: 50.000 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV009224.D

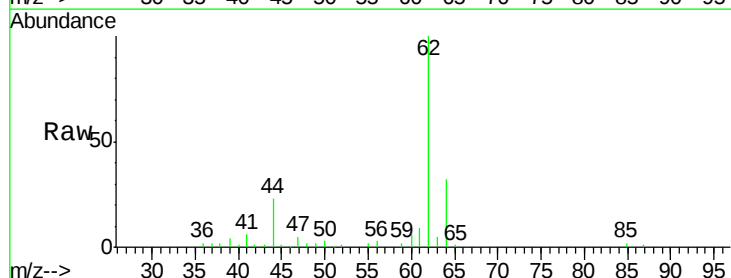
Acq: 18 Jan 2019 16:55

Tgt Ion: 62 Resp: 51212

Ion Ratio Lower Upper

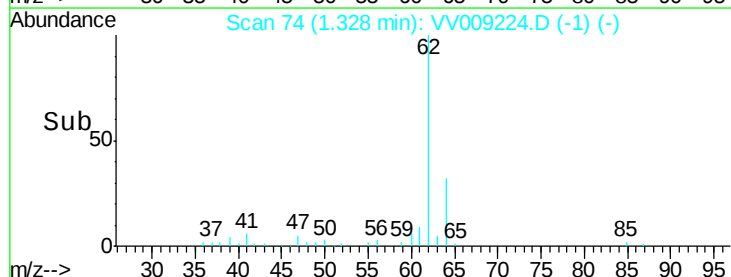
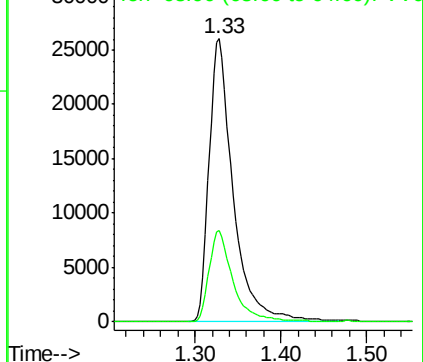
62 100

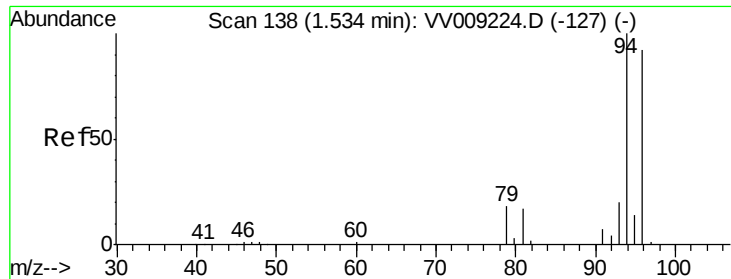
64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VV0

Ion 63.90 (63.60 to 64.60): VV0





#5

Bromomethane

Concen: 50.000 ug/l

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 33493

Ion Ratio Lower Upper

94 100

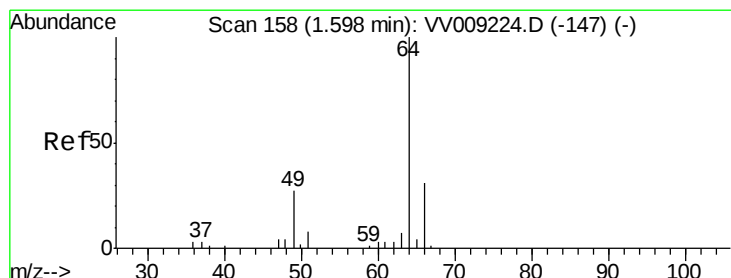
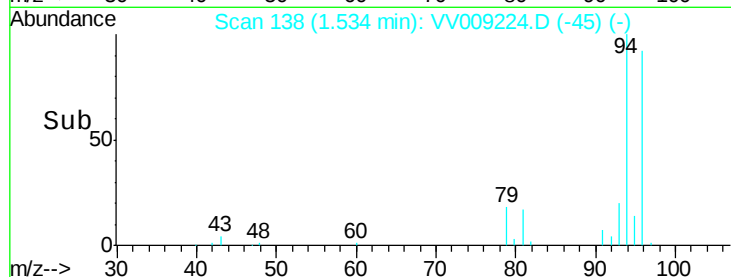
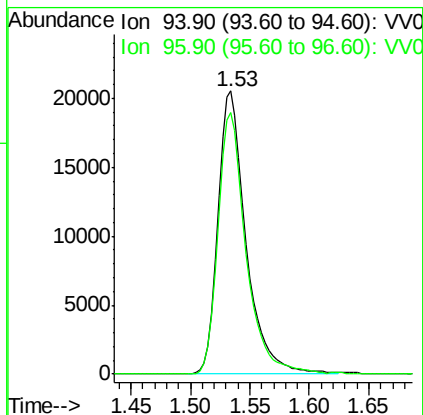
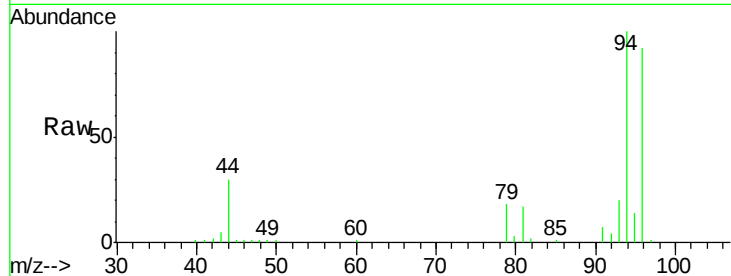
96 92.4 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 50.000 ug/l

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV009224.D

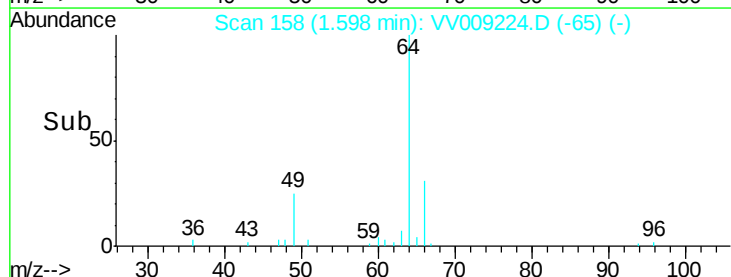
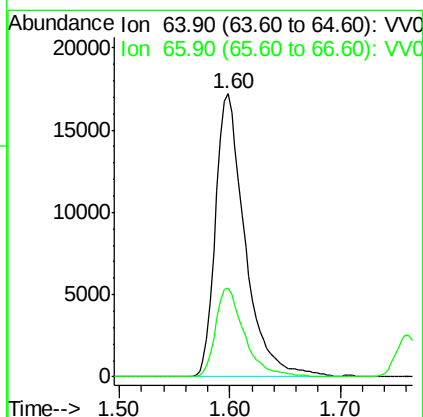
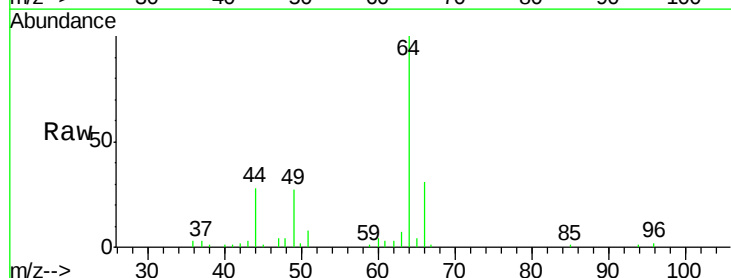
Acq: 18 Jan 2019 16:55

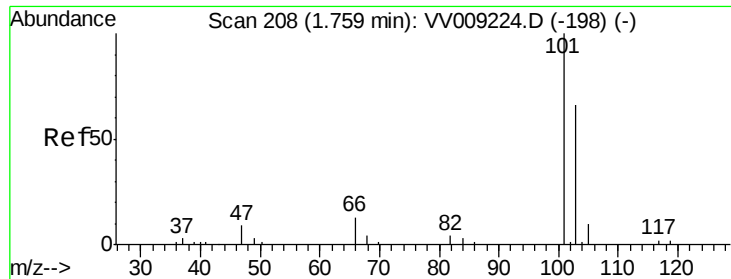
Tgt Ion: 64 Resp: 31974

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

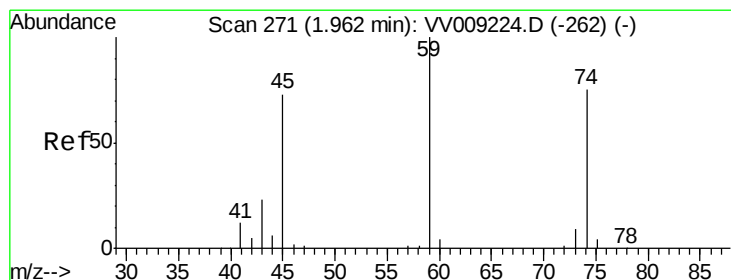
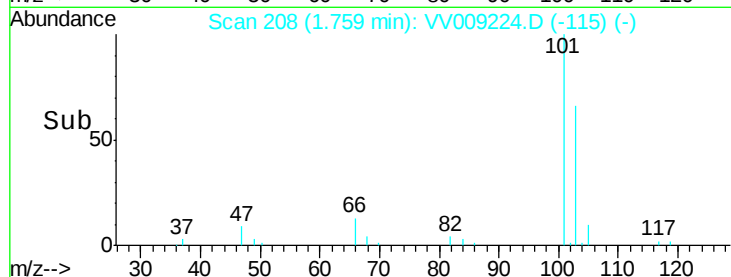
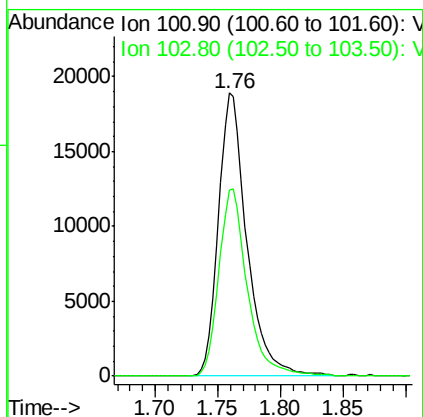
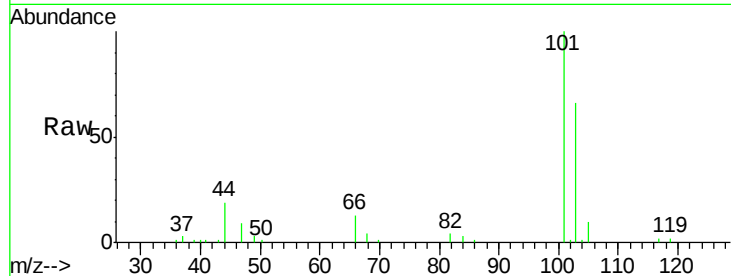
Trichlorofluoromethane
Concen: 50.000 ug/l
RT: 1.76 min Scan# 208
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion:101 Resp: 29789
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0

Manual Integrations
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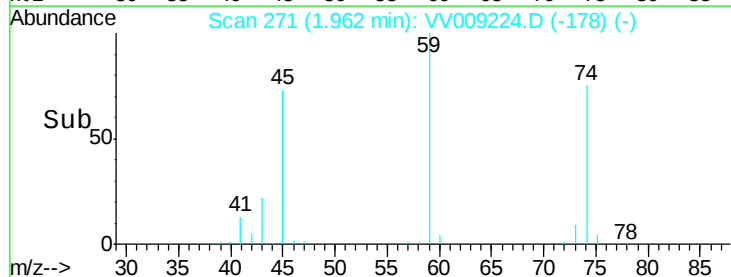
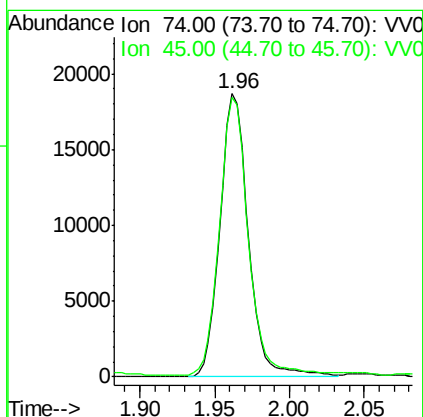
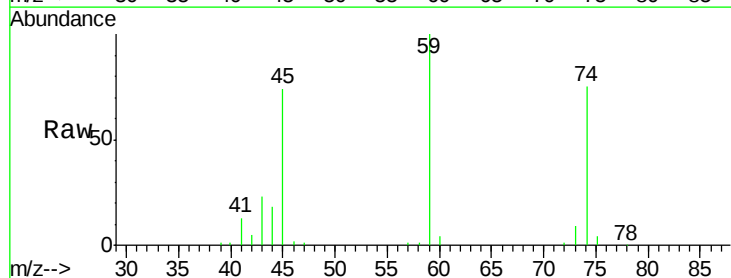
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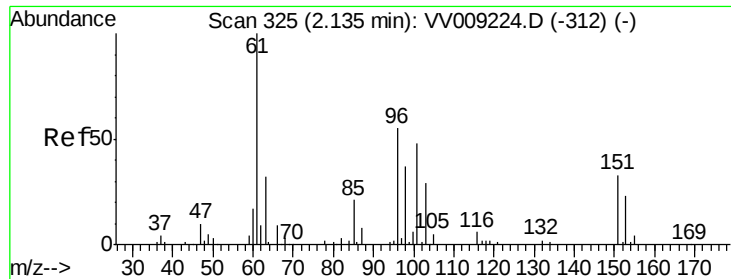


#8

Diethyl Ether
Concen: 50.000 ug/l
RT: 1.96 min Scan# 271
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion: 74 Resp: 24874
Ion Ratio Lower Upper
74 100
45 98.8 49.4 148.2





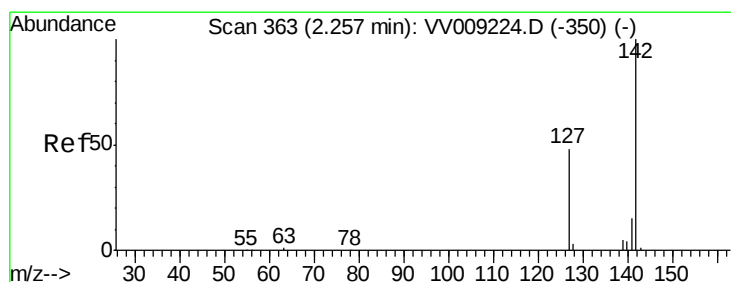
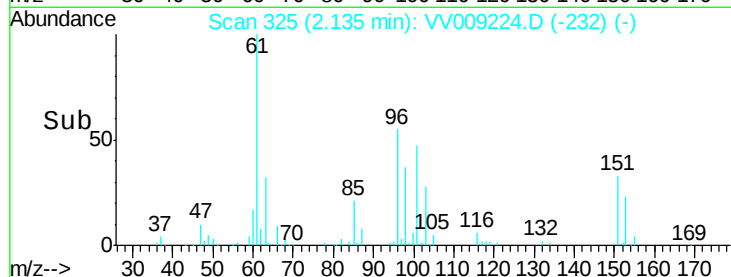
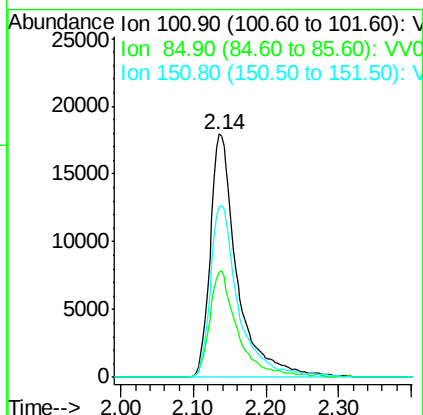
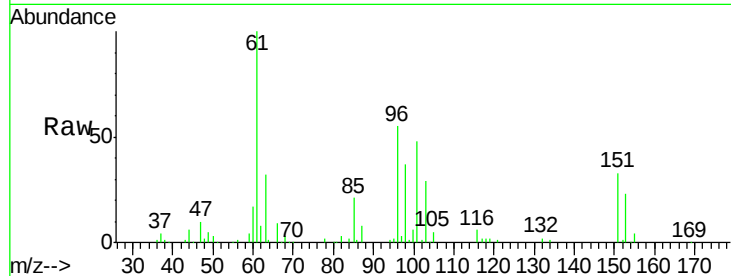
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.000 ug/l
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	72.4	57.9	86.9

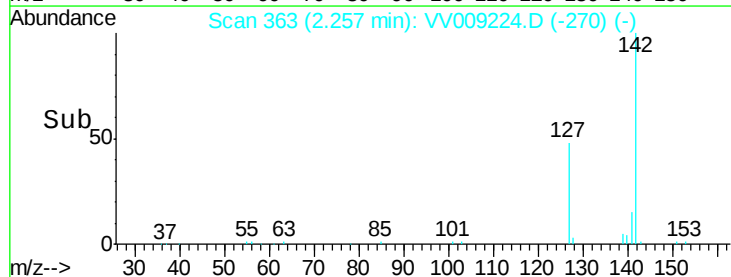
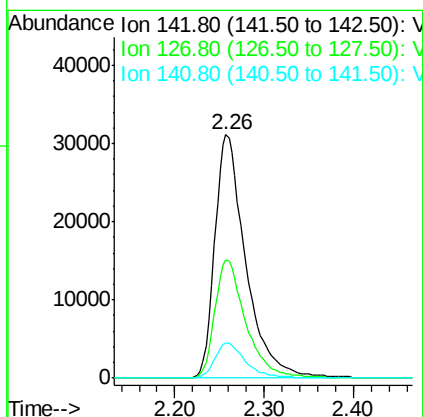
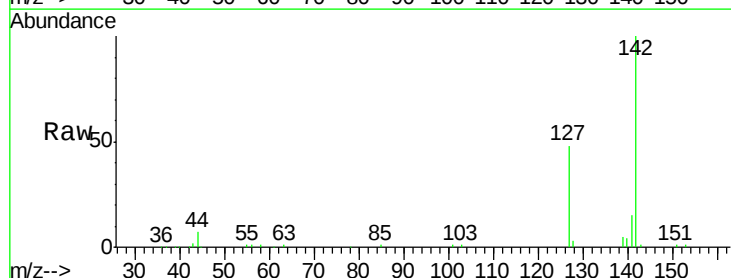
Manual Integrations
APPROVED

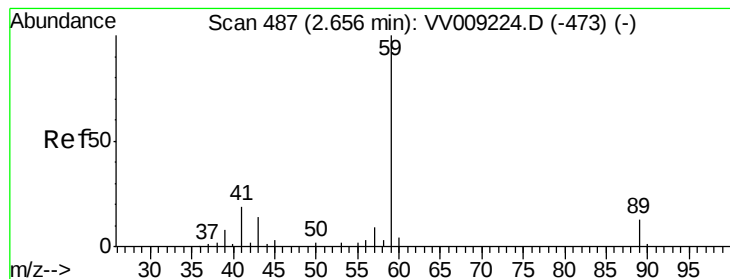
MMDadoda
1/21/2019 10:45:27 AM



#10
Methyl Iodide
Concen: 50.000 ug/l
RT: 2.26 min Scan# 363
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.7	39.0	58.4
141	14.2	11.4	17.0





#11

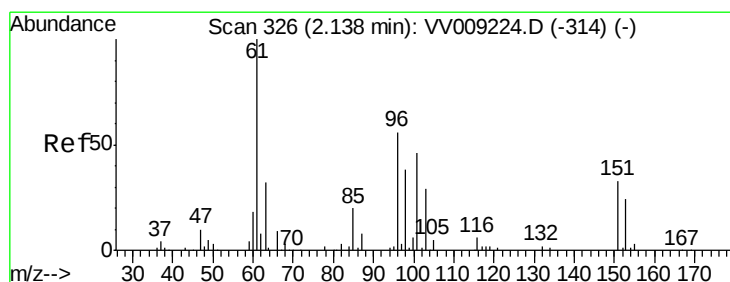
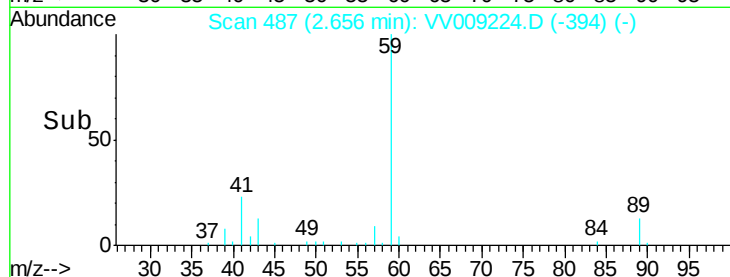
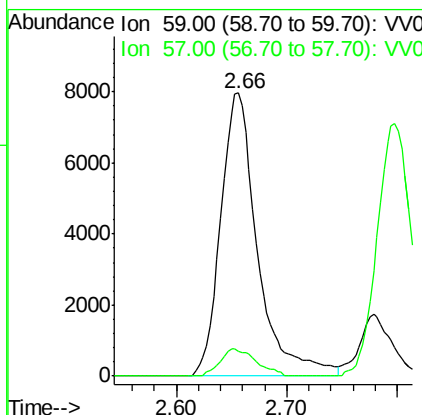
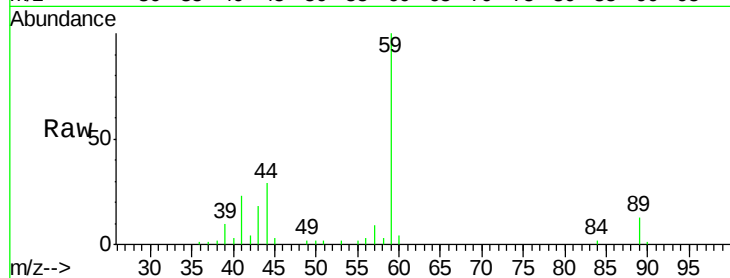
Tert butyl alcohol
Concen: 250.000 ug/l
RT: 2.66 min Scan# 487
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.5	11.3

Manual Integrations
APPROVED

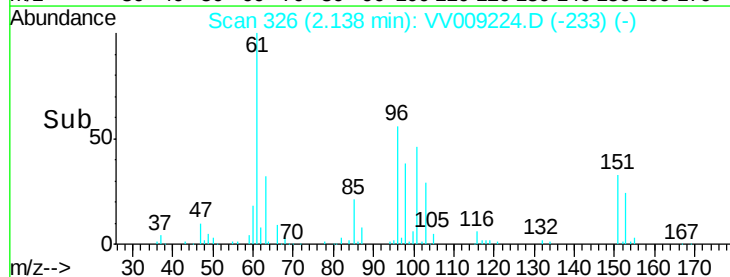
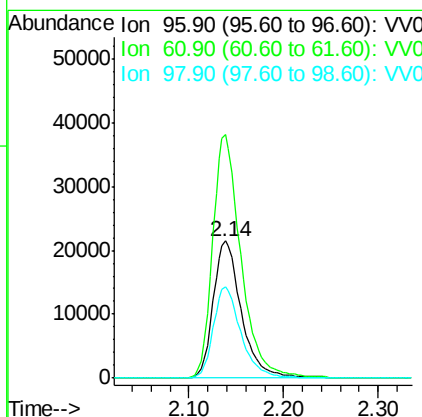
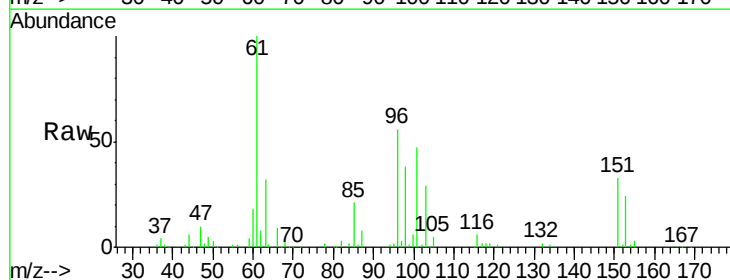
MMDadoda
1/21/2019 10:45:27 AM

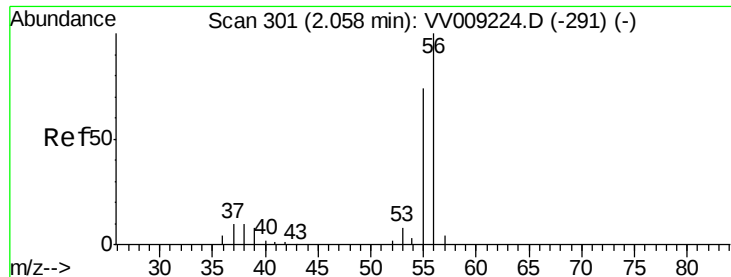


#12

1,1-Dichloroethene
Concen: 50.000 ug/l
RT: 2.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.4	141.9	212.9
98	66.6	53.3	79.9





#13

Acrolein

Concen: 250.000 ug/l

RT: 2.06 min Scan# 301

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 15135

Ion Ratio Lower Upper

56 100

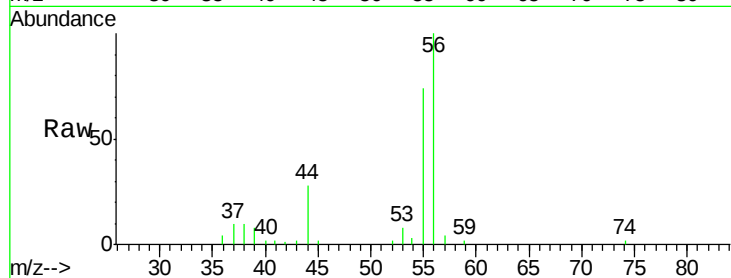
55 70.0 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

1/21/2019 10:45:27 AM

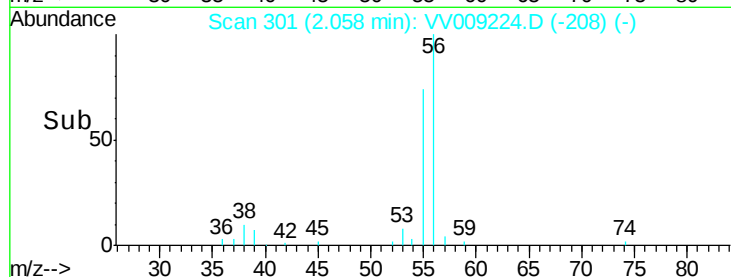


Abundance Ion 56.00 (55.70 to 56.70): VV009224.D (-291) (-)

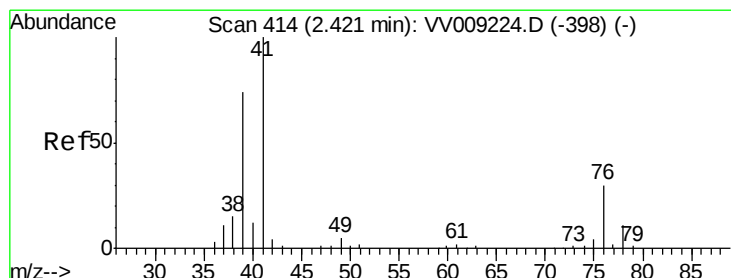
Ion 55.00 (54.70 to 55.70): VV009224.D (-291) (-)

2.06

Time-->



Time-->



#14

Allyl chloride

Concen: 50.000 ug/l

RT: 2.42 min Scan# 414

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

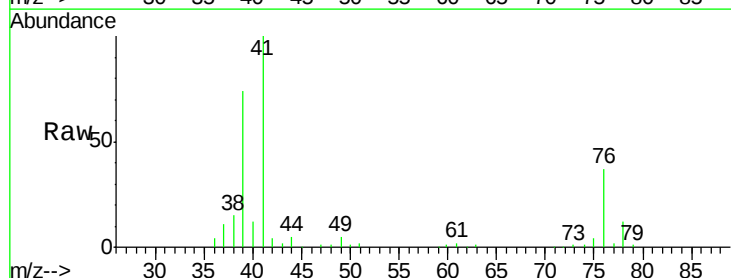
Tgt Ion: 41 Resp: 80361

Ion Ratio Lower Upper

41 100

39 72.7 58.2 87.2

76 36.8 29.4 44.2



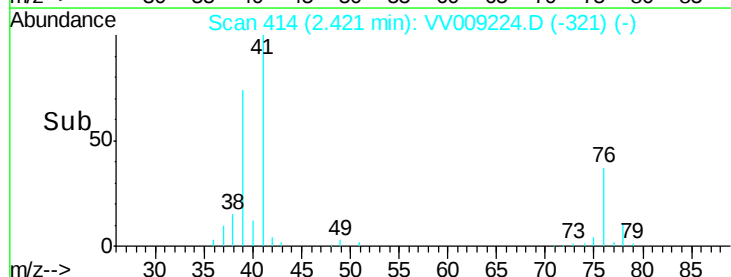
Abundance Ion 41.00 (40.70 to 41.70): VV009224.D (-398) (-)

Ion 39.00 (38.70 to 39.70): VV009224.D (-398) (-)

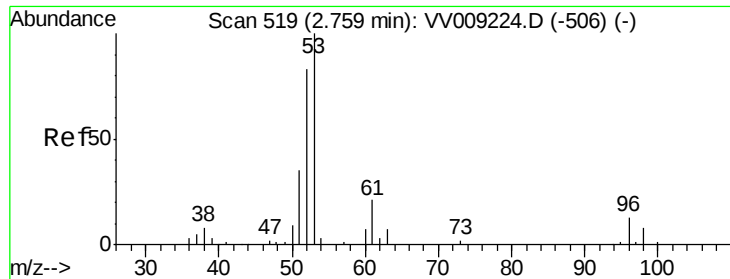
Ion 75.90 (75.60 to 76.60): VV009224.D (-398) (-)

2.42

Time-->



Time-->



#15

Acrylonitrile

Concen: 250.000 ug/l

RT: 2.76 min Scan# 519

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

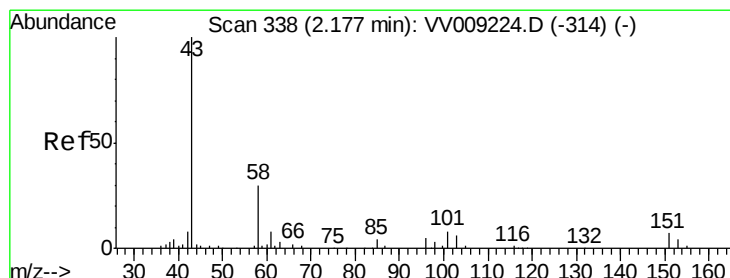
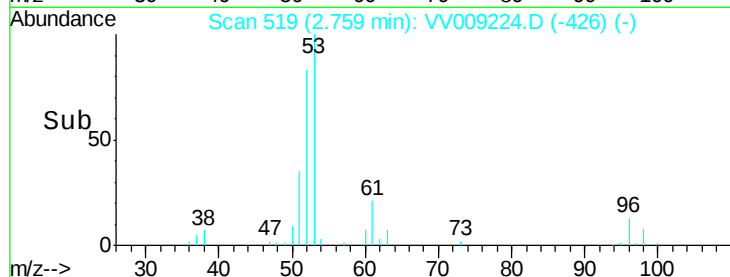
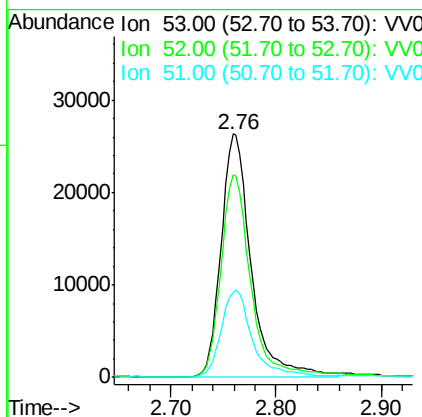
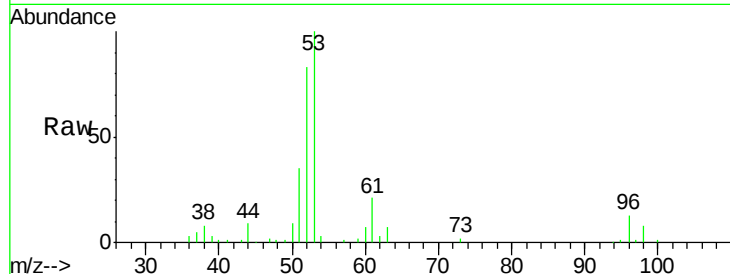
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	52168
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.6
51	37.3	29.8	44.8

Manual Integrations
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MMDadoda
1/21/2019 10:45:27 AM



#16

Acetone

Concen: 250.000 ug/l

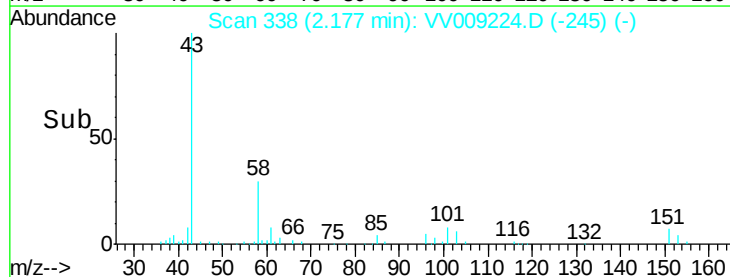
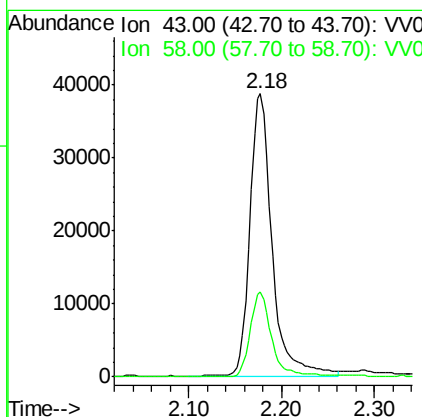
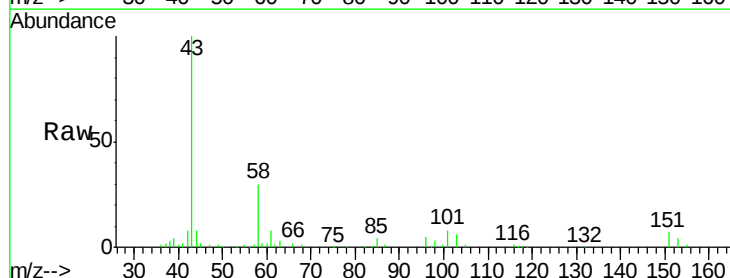
RT: 2.18 min Scan# 338

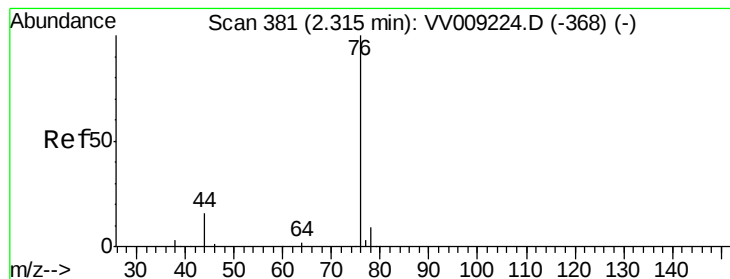
Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tgt Ion:	43	Resp:	65499
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.9	35.9





#17

Carbon Disulfide

Concen: 50.000 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tot Ion: 76 Resp: 137960

Ion Ratio Lower Upper

76 100

78 9.1

7.3 10.9

Instrument :

MSVOA_V

ClientSampleId :

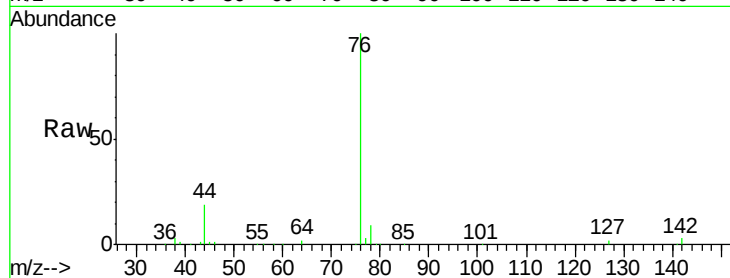
VSTDICCC050

Manual Integrations

APPROVED

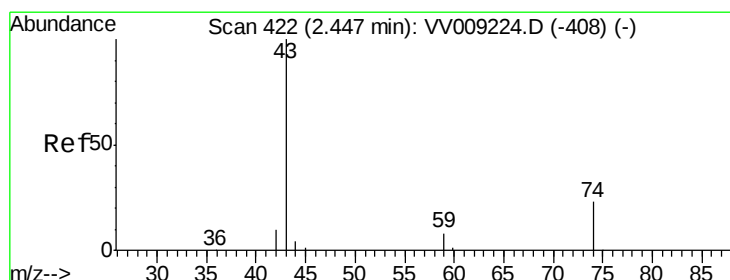
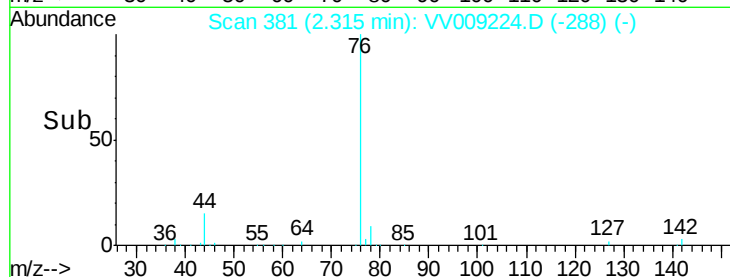
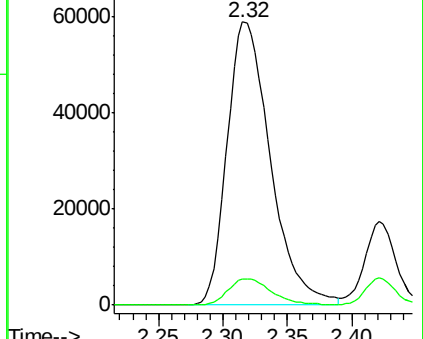
MMDadoda

1/21/2019 10:45:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0



#18

Methyl Acetate

Concen: 50.000 ug/l

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

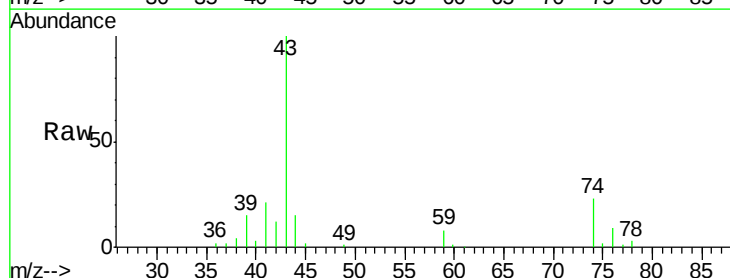
Tgt Ion: 43 Resp: 34406

Ion Ratio Lower Upper

43 100

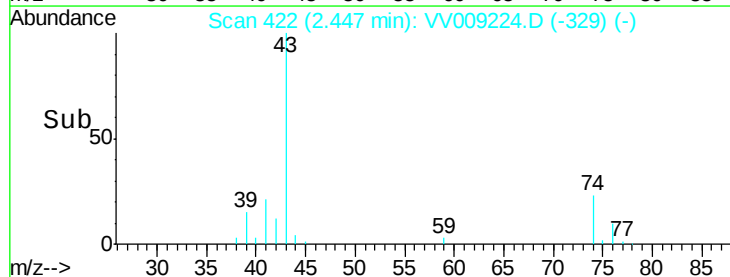
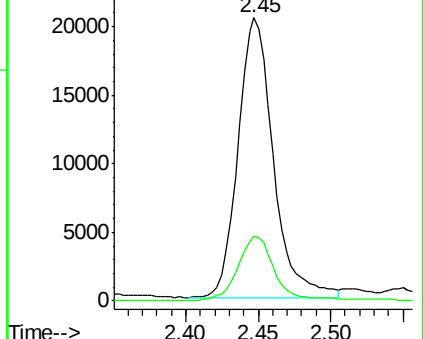
74 24.3

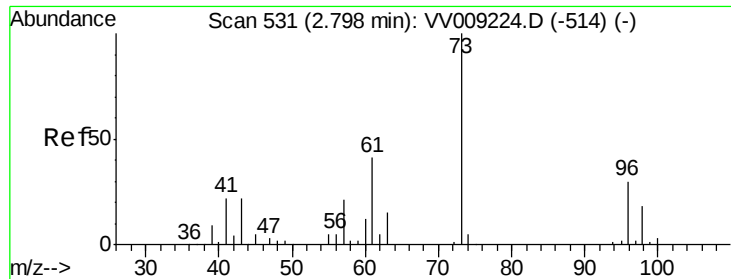
19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0





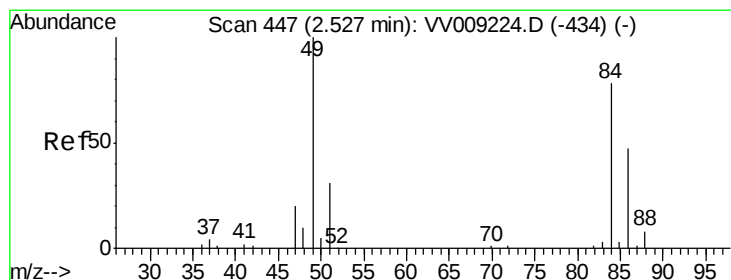
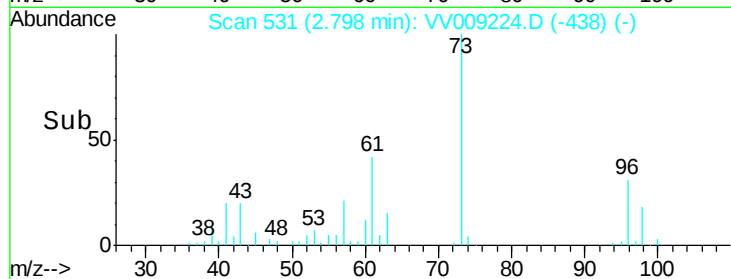
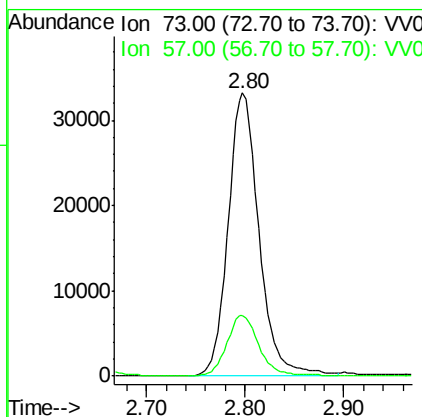
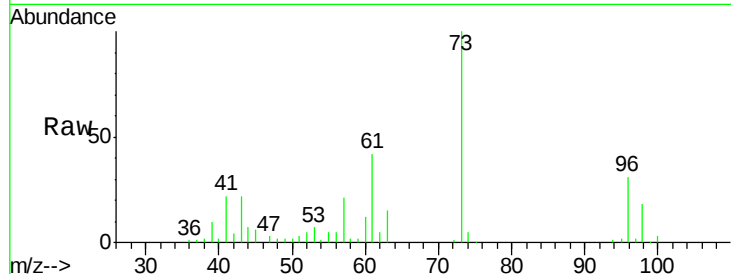
#19
Methvl tert-butvl Ether
Concen: 50.000 ug/l
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 72824
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

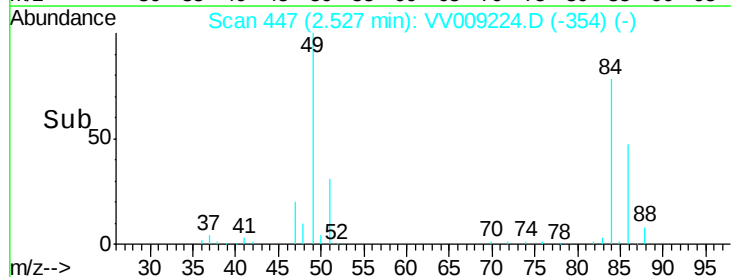
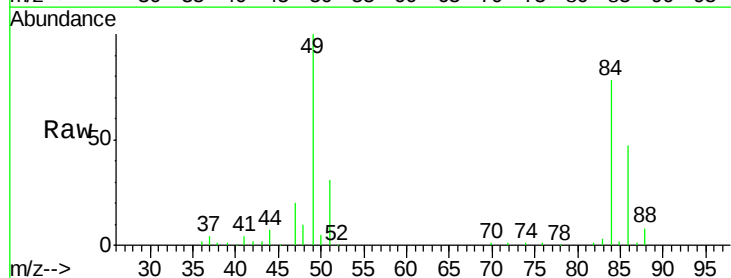
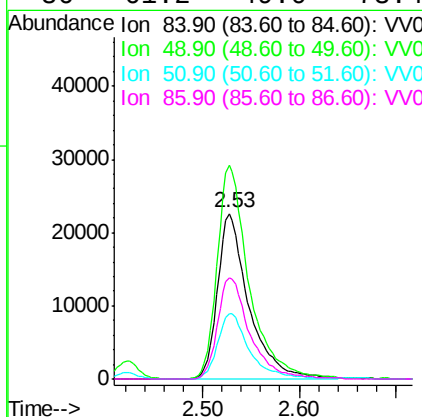
Manual Integrations
APPROVED

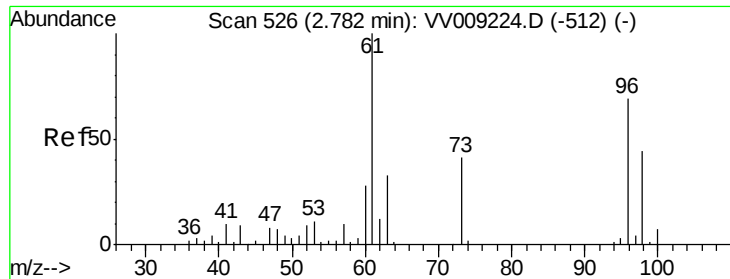
MMDadoda
1/21/2019 10:45:27 AM



#20
Methylene Chloride
Concen: 50.000 ug/l
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion: 84 Resp: 50817
Ion Ratio Lower Upper
84 100
49 128.9 103.1 154.7
51 39.6 31.7 47.5
86 61.2 49.0 73.4





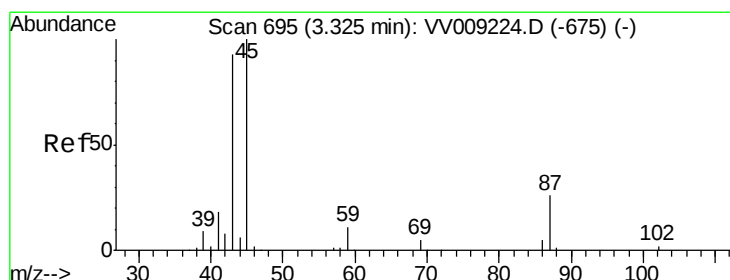
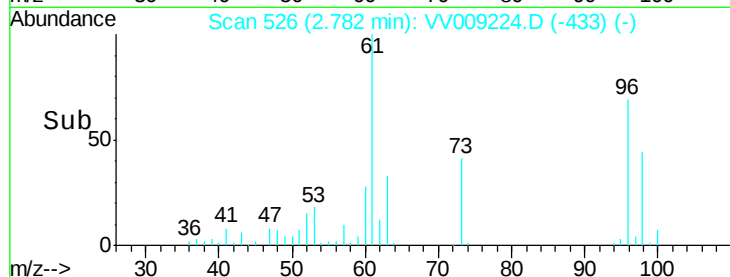
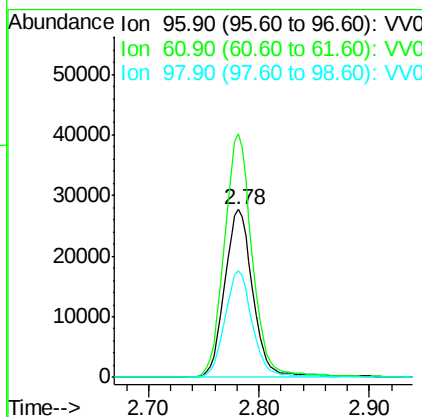
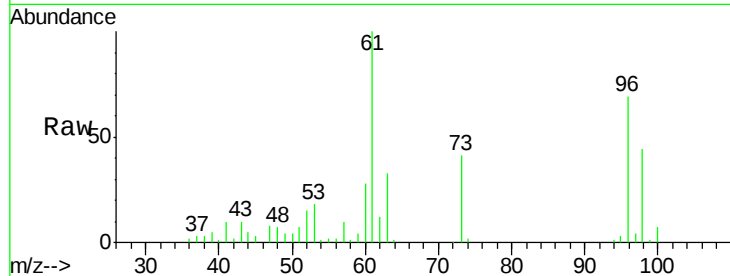
#21
trans-1,2-Dichloroethene
Concen: 50.000 ug/l
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	63.5	50.8	76.2

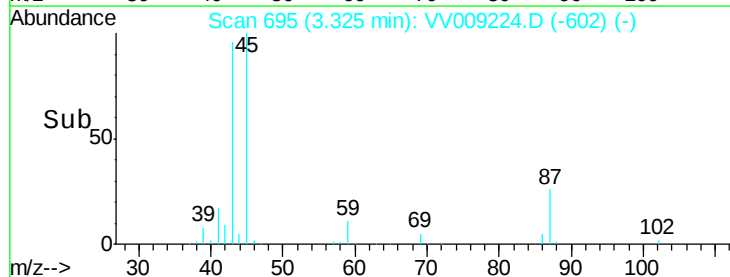
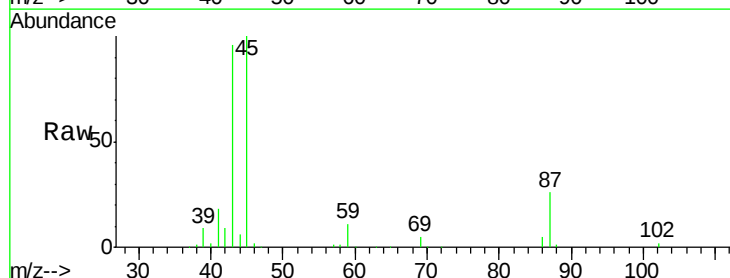
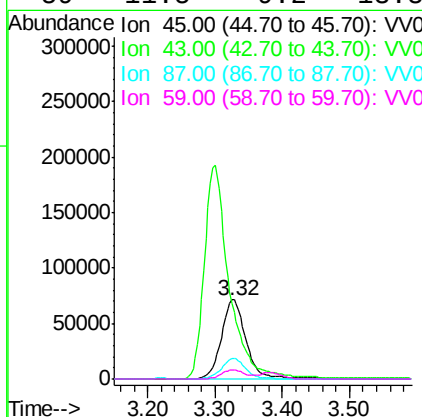
Manual Integrations
APPROVED

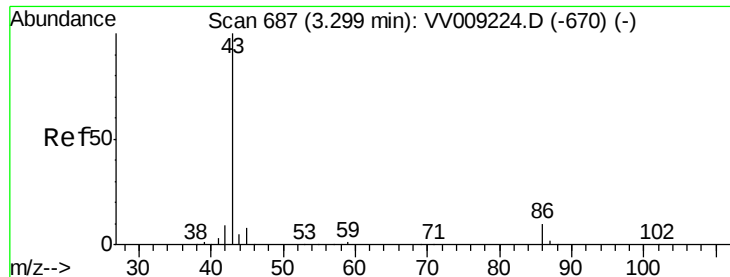
MMDadoda
1/21/2019 10:45:27 AM



#22
Diisopropyl ether
Concen: 50.000 ug/l
RT: 3.32 min Scan# 695
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	94.3	75.4	113.2
87	25.8	20.6	31.0
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 250.000 ug/l

RT: 3.30 min Scan# 687

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 497696

Ion Ratio Lower Upper

43 100

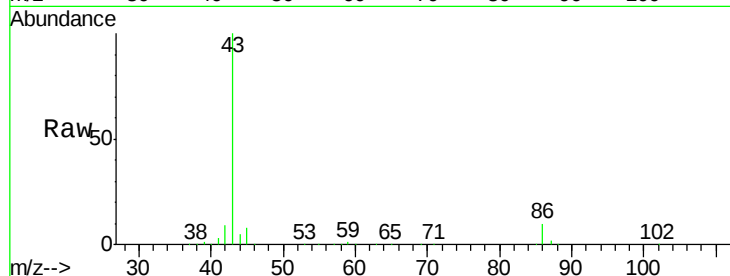
86 9.7 7.8 11.6

Manual Integrations

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MMDadoda

1/21/2019 10:45:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VV009224.D (-670) (-)

Ion 86.00 (85.70 to 86.70): VV009224.D (-670) (-)

200000

150000

100000

50000

0

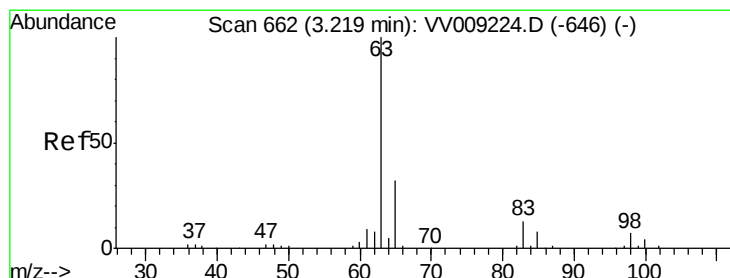
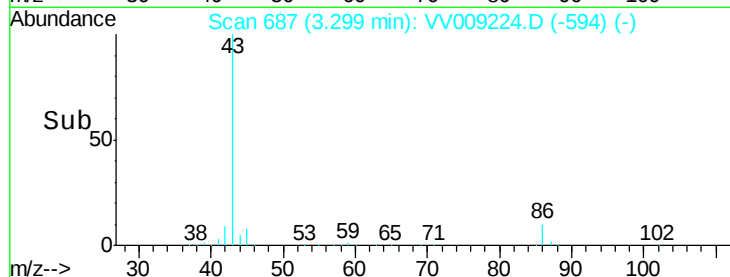
3.20

3.30

3.40

3.50

Time-->



#24

1,1-Dichloroethane

Concen: 50.000 ug/l

RT: 3.22 min Scan# 662

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

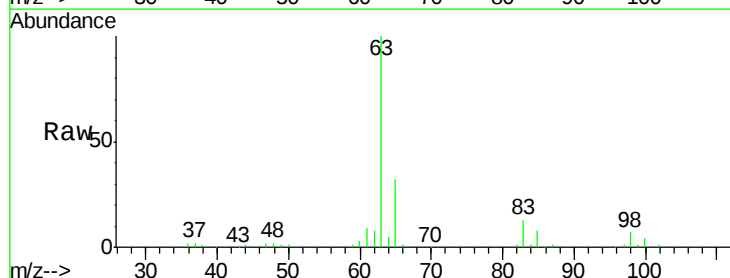
Tgt Ion: 63 Resp: 107684

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.1 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VV009224.D (-646) (-)

Ion 97.90 (97.60 to 98.60): VV009224.D (-646) (-)

Ion 99.90 (99.60 to 100.60): VV009224.D (-646) (-)

60000

40000

20000

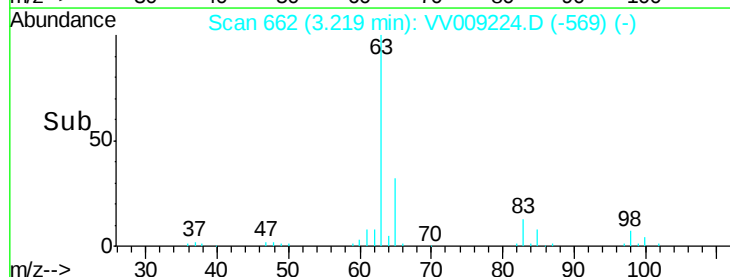
0

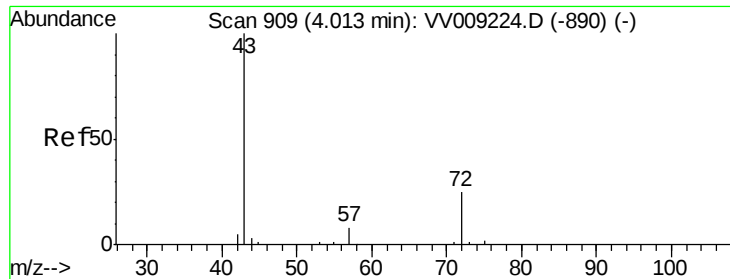
3.10

3.20

3.30

Time-->





#25

2-Butanone

Concen: 250.000 ug/l

RT: 4.01 min Scan# 909

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tot Ion: 43 Resp: 82176

Ion Ratio Lower Upper

43 100

72 24.6 19.7 29.5

Instrument :

MSVOA_V

ClientSampleId :

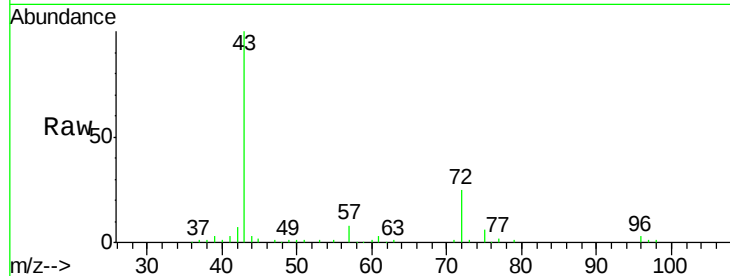
VSTDICCC050

Manual Integrations

APPROVED

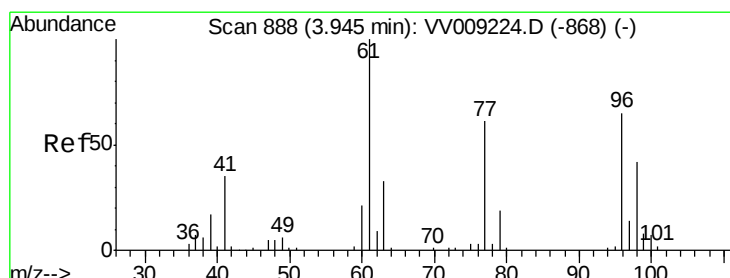
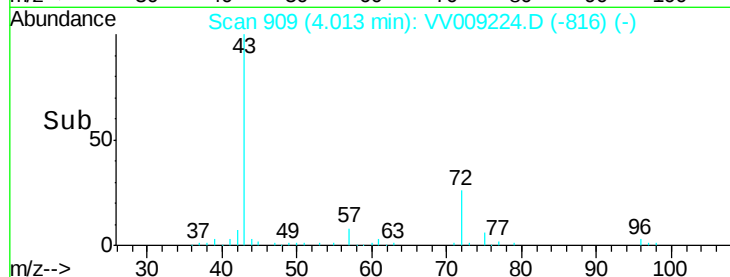
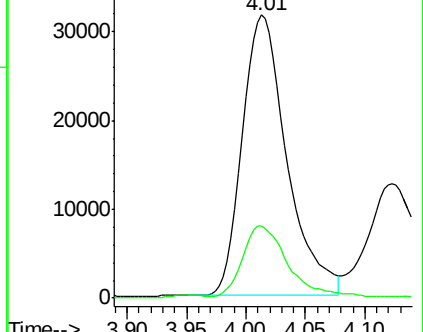
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VV009224.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV009224.D (-890) (-)



#26

2,2-Dichloropropane

Concen: 50.000 ug/l

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

Lab File: VV009224.D

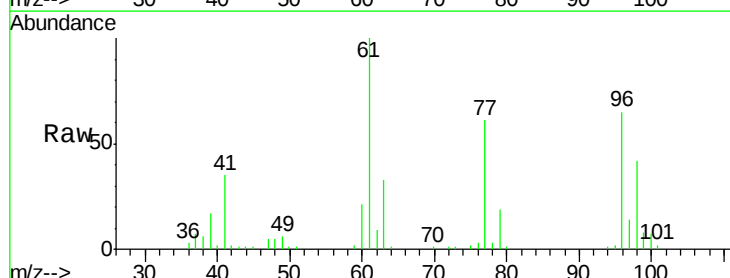
Acq: 18 Jan 2019 16:55

Tgt Ion: 77 Resp: 60087

Ion Ratio Lower Upper

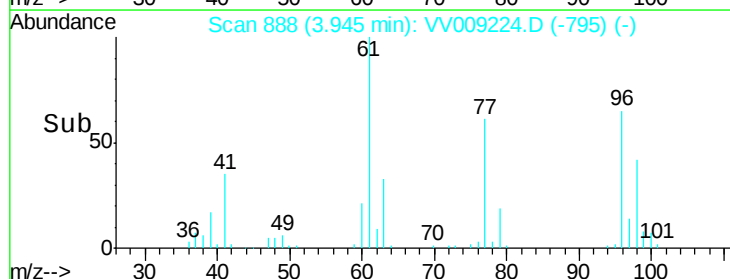
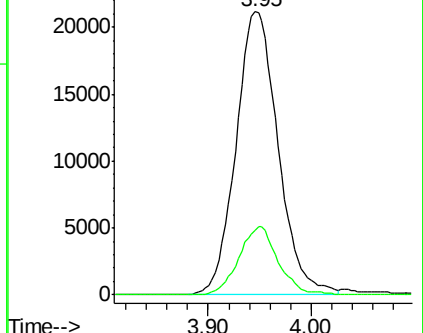
77 100

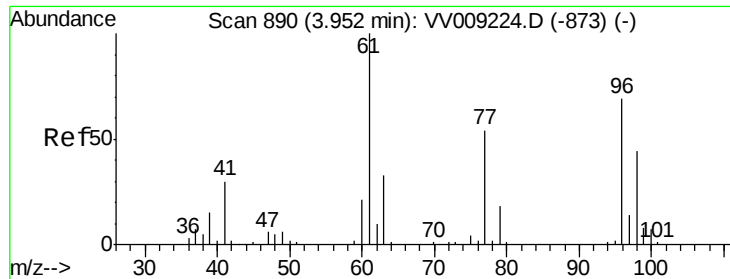
97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VV009224.D (-868) (-)

Ion 96.90 (96.60 to 97.60): VV009224.D (-868) (-)





#27

cis-1,2-Dichloroethene

Concen: 50.000 ug/l

RT: 3.95 min Scan# 890

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

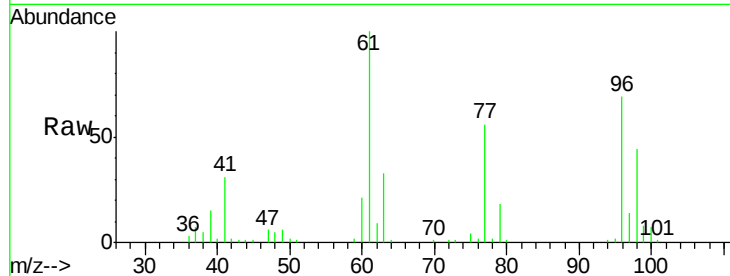
ClientSampleID :

VSTDICCC050

Tot Ion:	96	Resp:	62951
Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	300.4
98	64.6	0.0	129.2

Manual Integrations
APPROVED

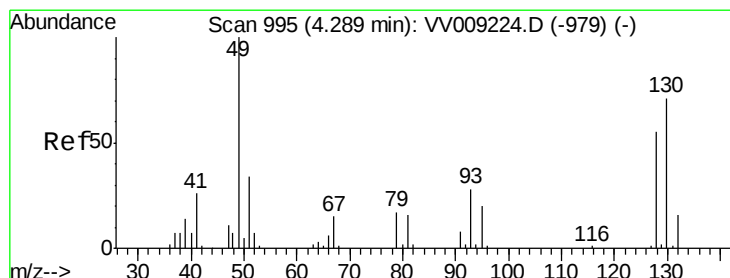
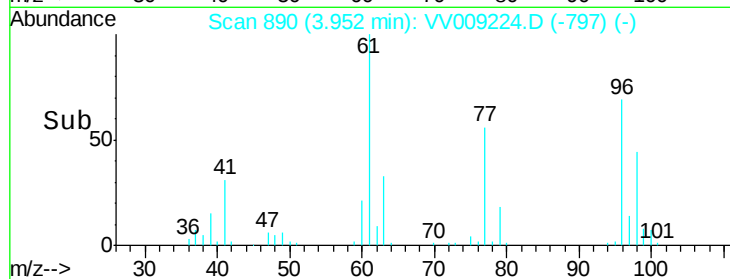
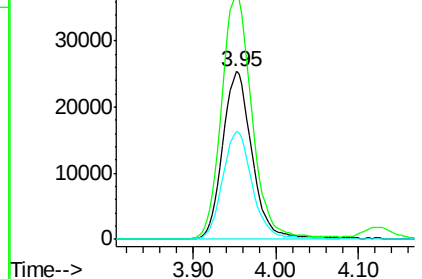
MMDadoda
1/21/2019 10:45:27 AM



Abundance Ion 95.90 (95.60 to 96.60): VV009224.D (-873) (-)

Ion 60.90 (60.60 to 61.60): VV009224.D (-873) (-)

Ion 97.90 (97.60 to 98.60): VV009224.D (-873) (-)



#28

Bromochloromethane

Concen: 50.000 ug/l

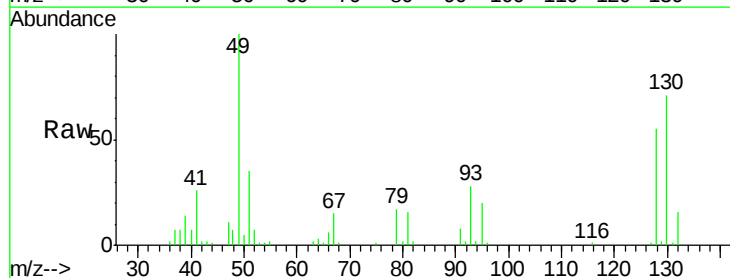
RT: 4.29 min Scan# 995

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

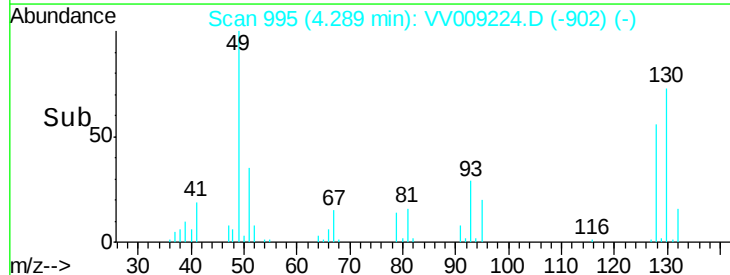
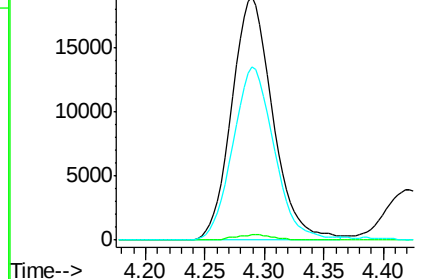
Tgt Ion:	49	Resp:	45231
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	72.2	57.8	86.6

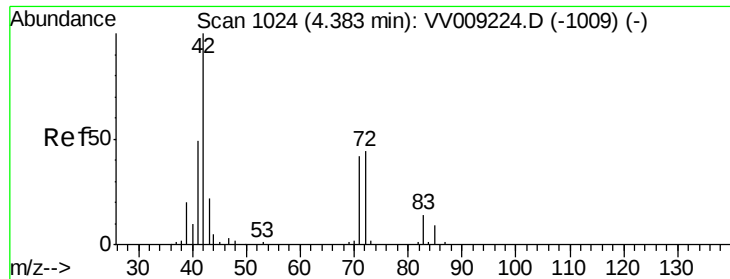


Abundance Ion 48.90 (48.60 to 49.60): VV009224.D (-979) (-)

Ion 128.80 (128.50 to 129.50): VV009224.D (-979) (-)

Ion 129.80 (129.50 to 130.50): VV009224.D (-979) (-)





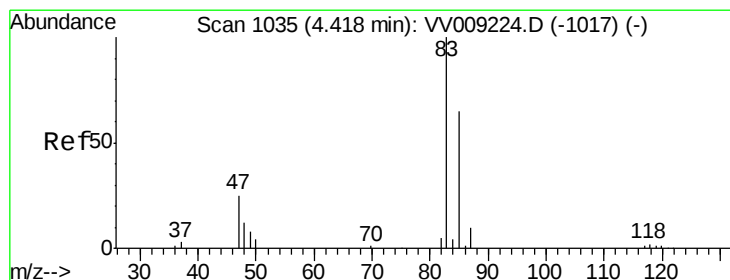
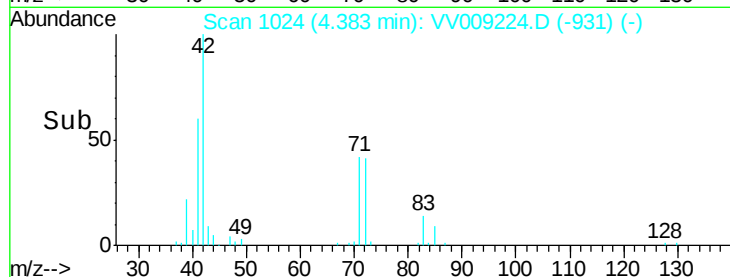
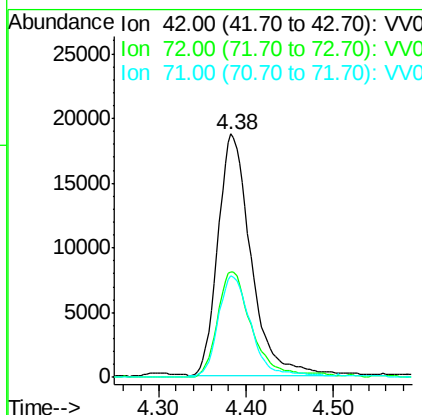
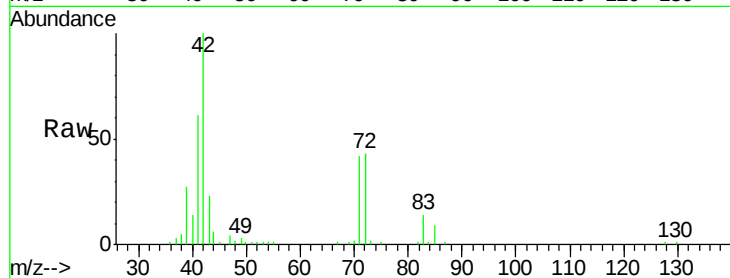
#29
Tetrahydrofuran
Concen: 250.000 ug/l
RT: 4.38 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.9	53.9
71	42.0	33.6	50.4

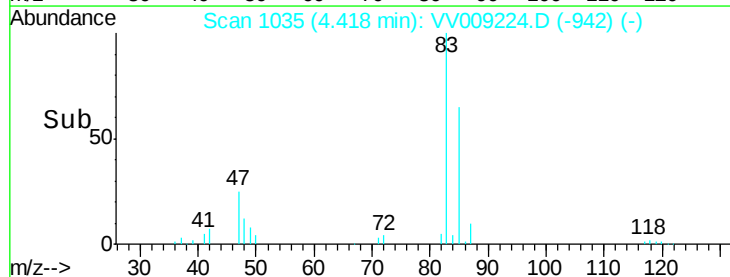
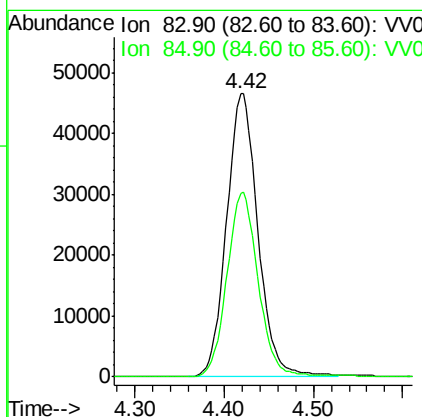
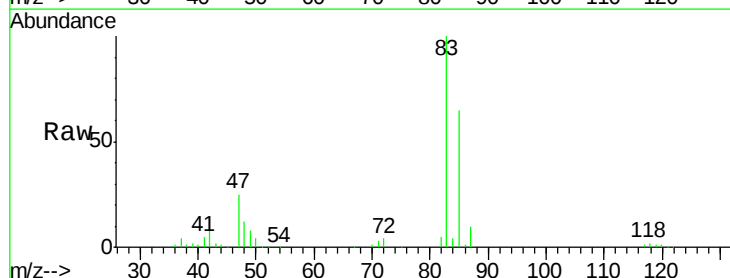
Manual Integrations
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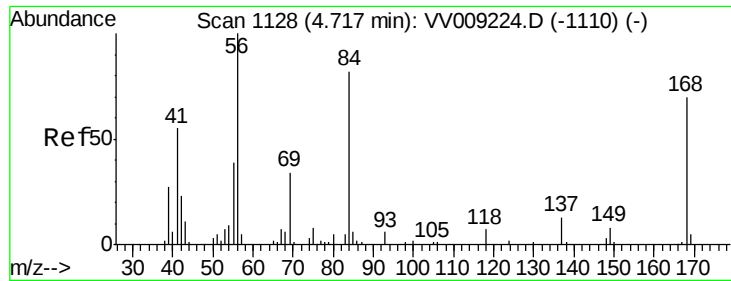
MMDadoda
1/21/2019 10:45:27 AM



#30
Chloroform
Concen: 50.000 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31

Cyclohexane

Concen: 50.000 ug/l

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

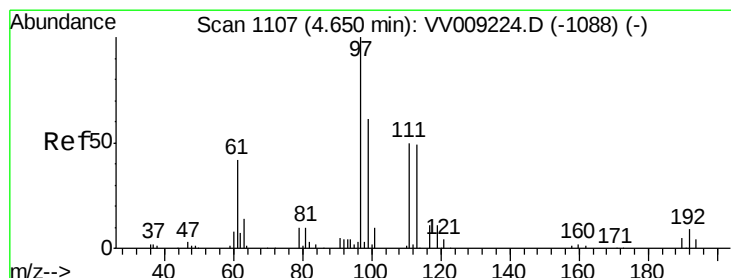
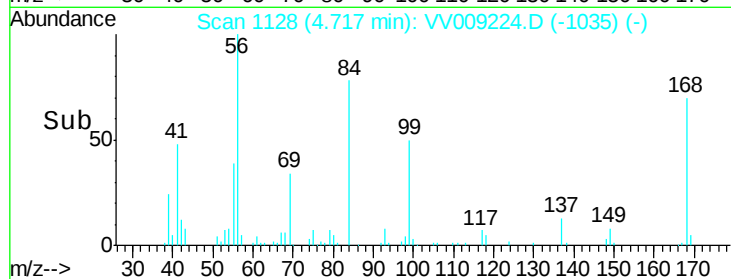
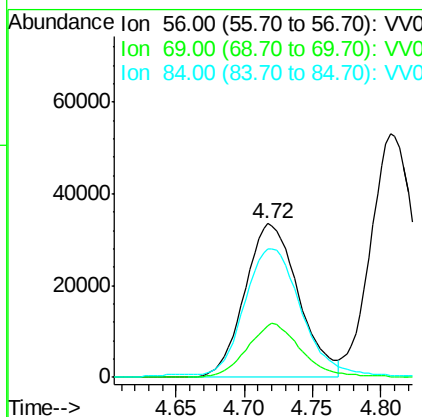
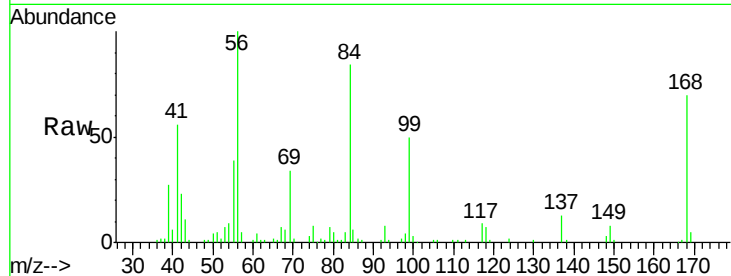
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	91907
Ion Ratio	Lower	Upper	
56	100		
69	33.7	27.0	40.4
84	81.8	65.4	98.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.000 ug/l

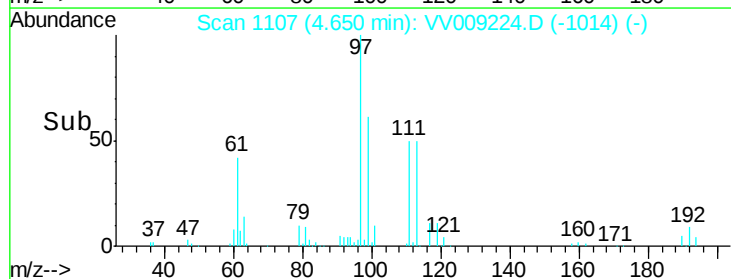
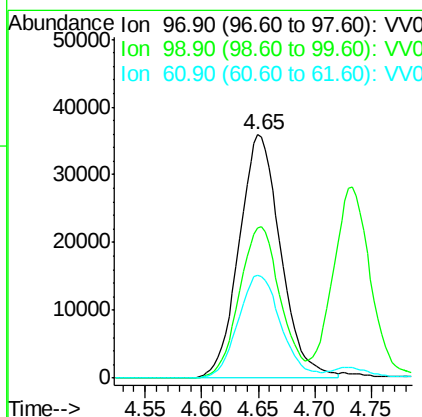
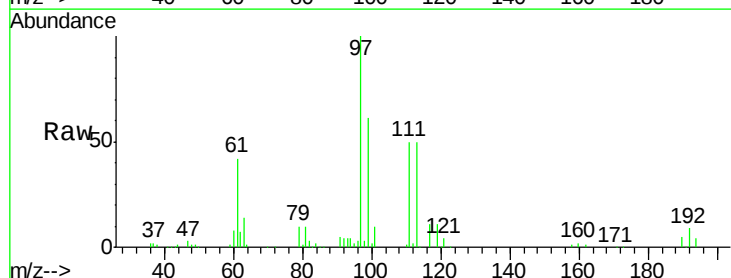
RT: 4.65 min Scan# 1107

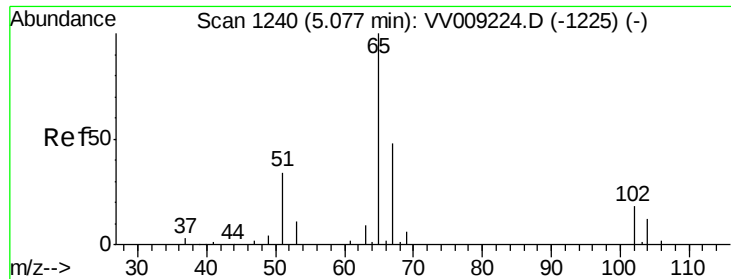
Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tgt Ion:	97	Resp:	92009
Ion Ratio	Lower	Upper	
97	100		
99	61.1	48.9	73.3
61	43.4	34.7	52.1





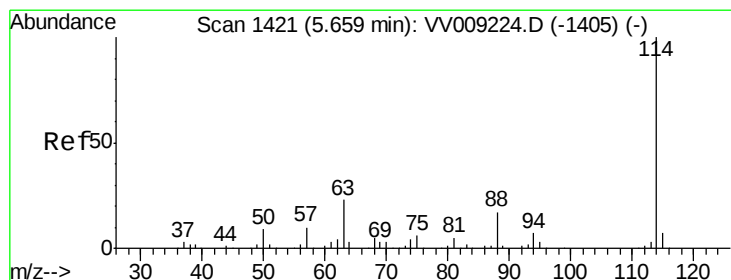
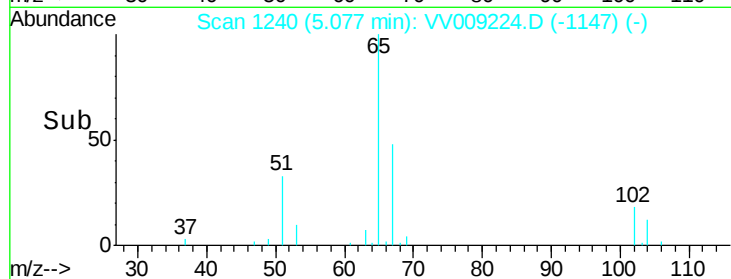
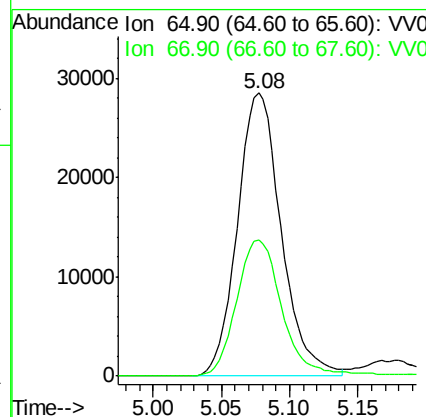
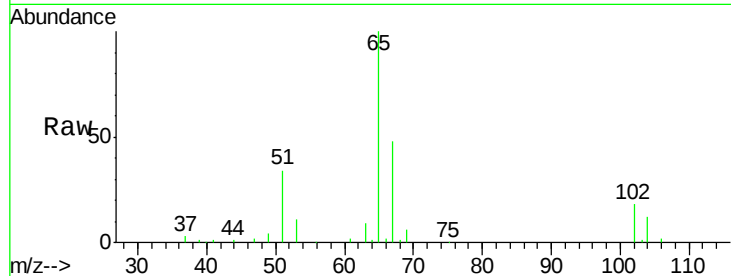
#33
 1,2-Dichloroethane-d4
 Concen: 50.000 ug/l
 RT: 5.08 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

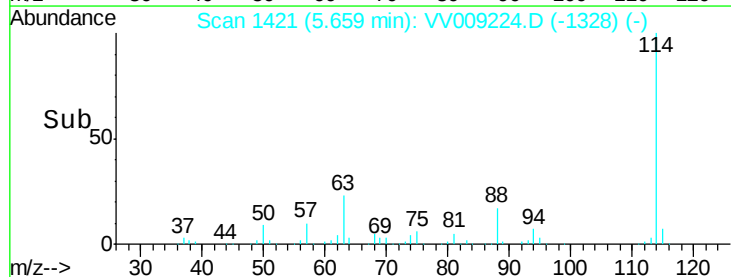
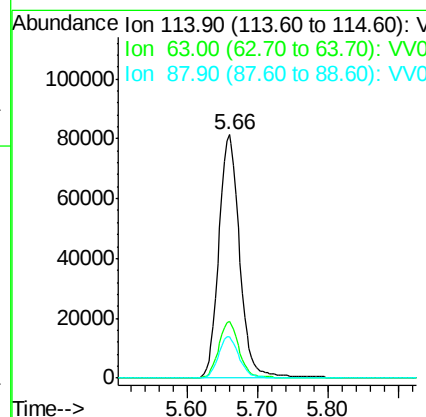
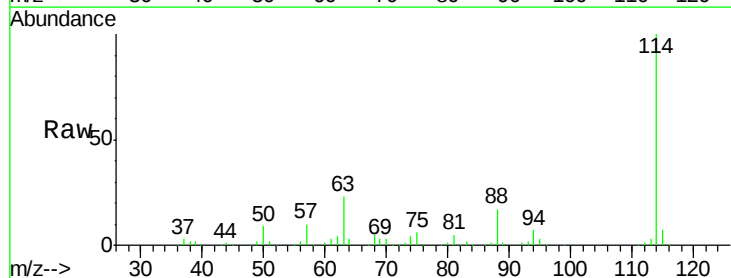
Manual Integrations
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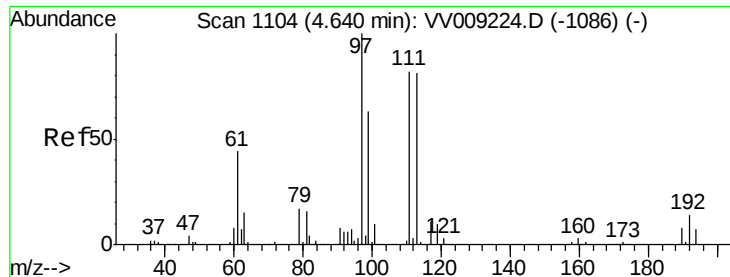
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 1/21/2019 10:45:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	46.2
88	16.9	0.0	33.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.64 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion:113 Resp: 55005

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

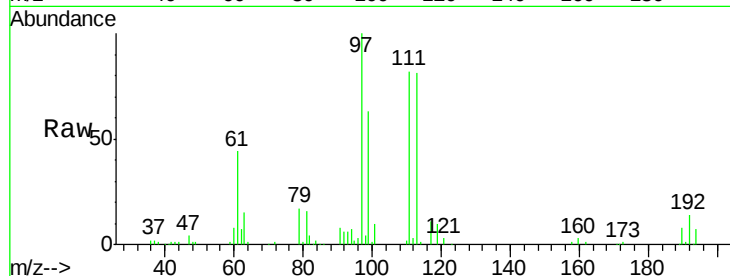
192 17.6 14.1 21.1

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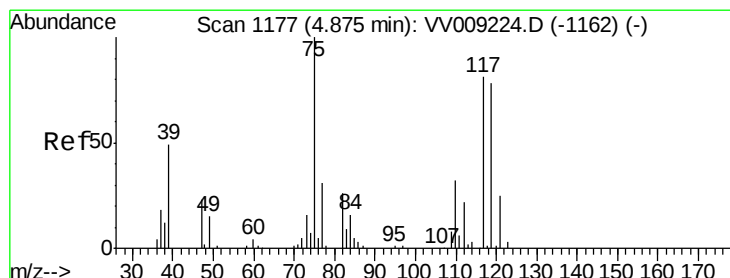
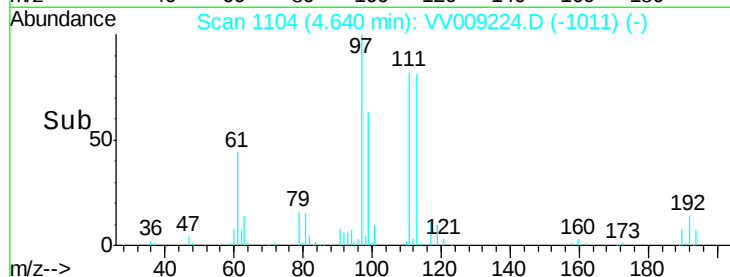
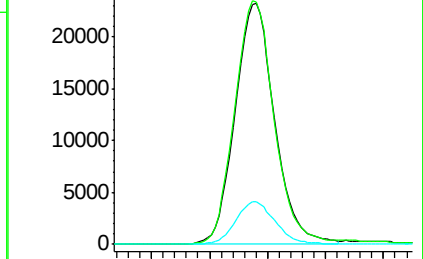
1/21/2019 10:45:27 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

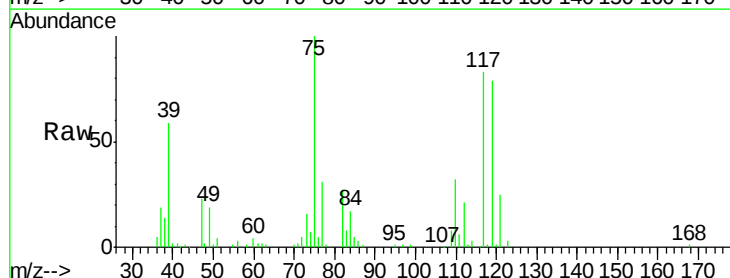
Tgt Ion: 75 Resp: 81803

Ion Ratio Lower Upper

75 100

110 34.5 17.3 51.7

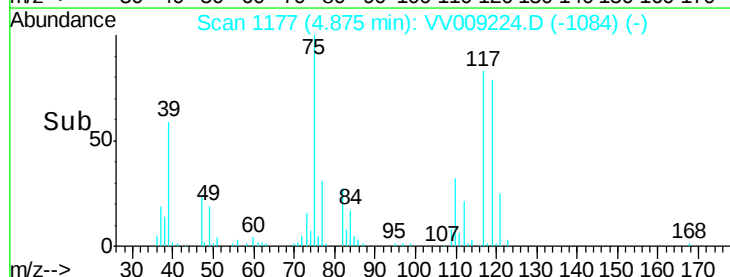
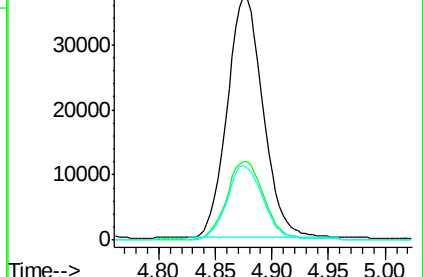
77 30.5 24.4 36.6

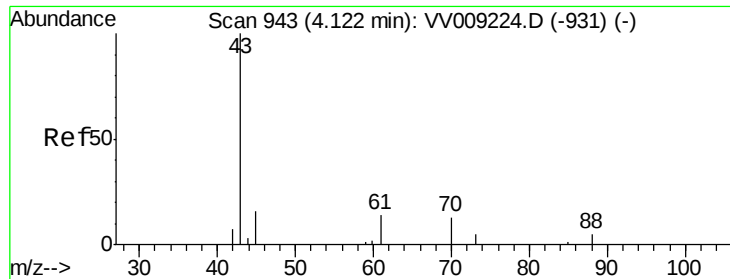


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0





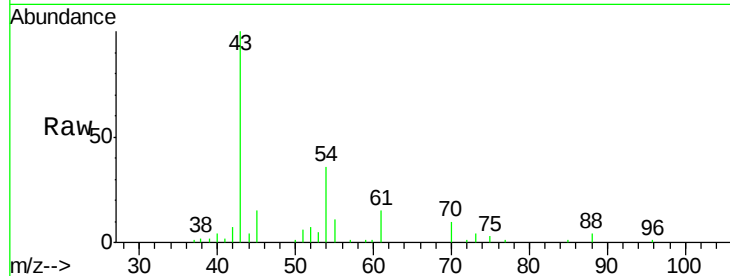
#37
Ethyl Acetate
Concen: 50.000 ug/l
RT: 4.12 min Scan# 943
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.8	14.6
70	10.3	8.2	12.4

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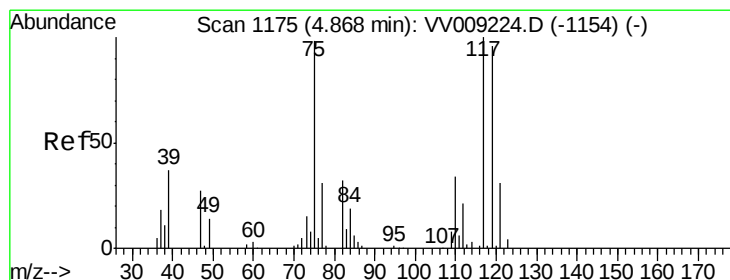
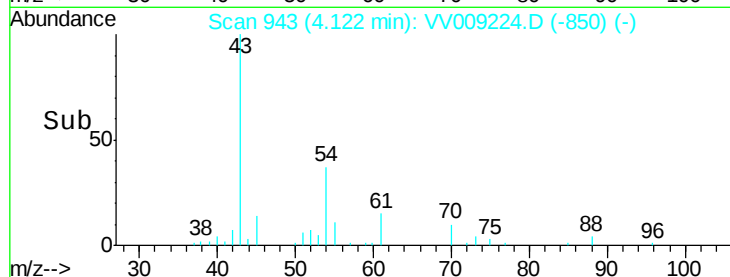
Abundance

Ion 43.00 (42.70 to 43.70): VV009224.D (-931) (-)

Ion 60.90 (60.60 to 61.60): VV009224.D (-931) (-)

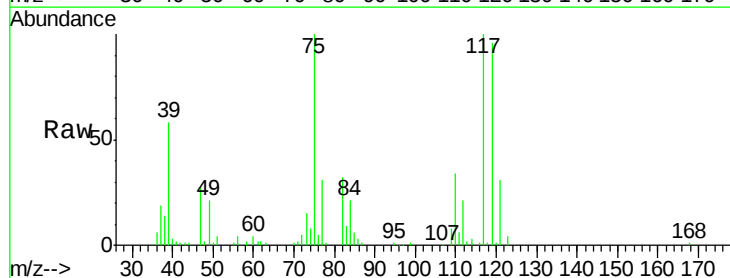
Ion 70.00 (69.70 to 70.70): VV009224.D (-931) (-)

Time-->



#38
Carbon Tetrachloride
Concen: 50.000 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.0	115.6
121	30.9	24.7	37.1



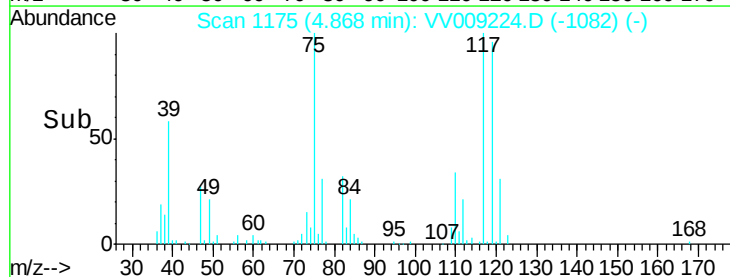
Abundance

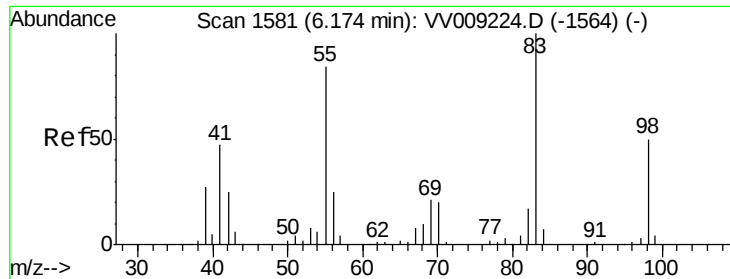
Ion 116.80 (116.50 to 117.50): VV009224.D (-1154) (-)

Ion 118.80 (118.50 to 119.50): VV009224.D (-1154) (-)

Ion 120.80 (120.50 to 121.50): VV009224.D (-1154) (-)

Time-->





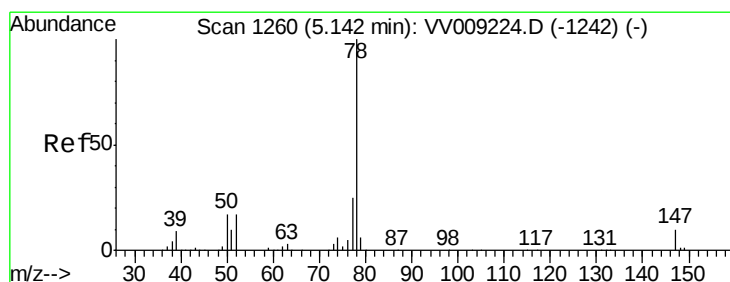
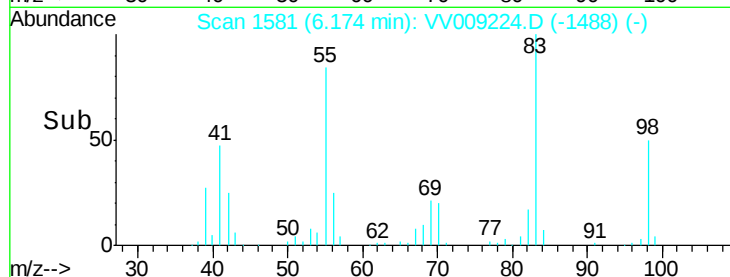
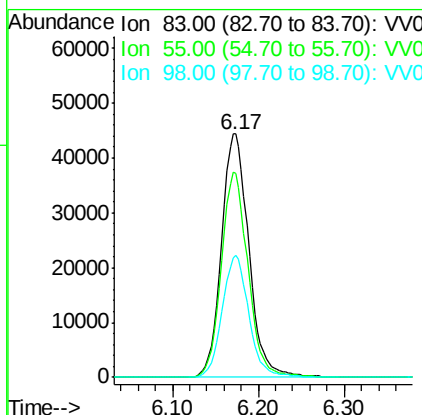
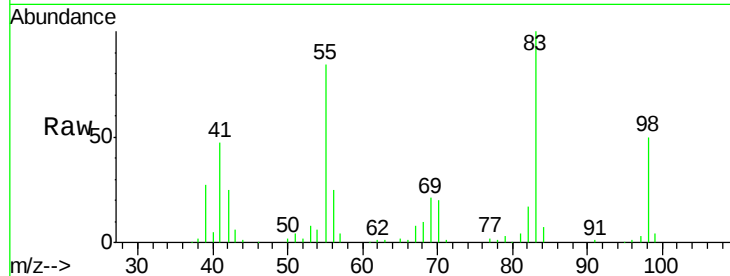
#39
Methylvlcyclohexane
Concen: 50.000 ug/l
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	67.0	100.6
98	50.2	40.2	60.2

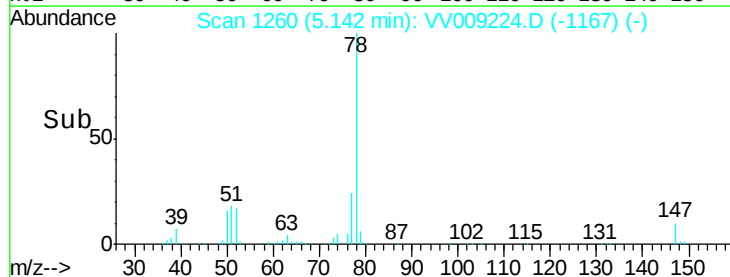
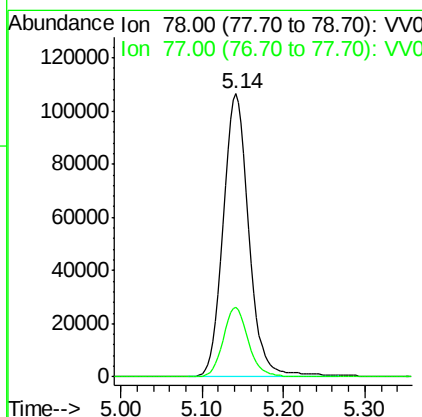
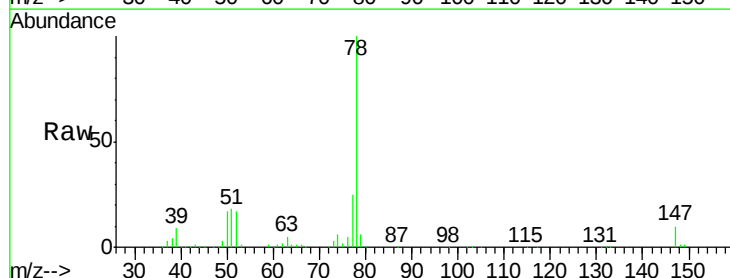
Manual Integrations
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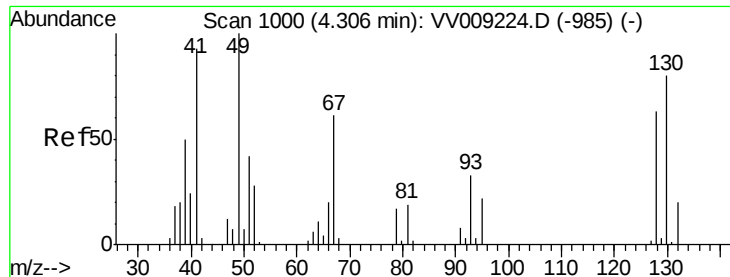
MMDadoda
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#40
Benzene
Concen: 50.000 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.6





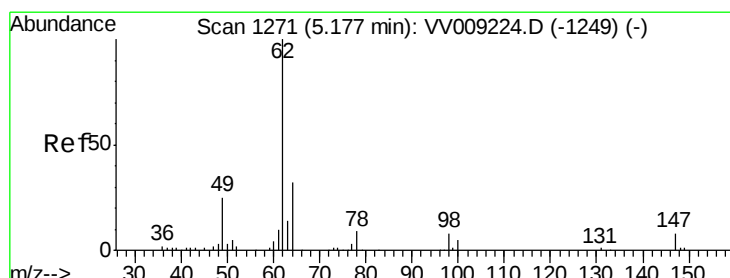
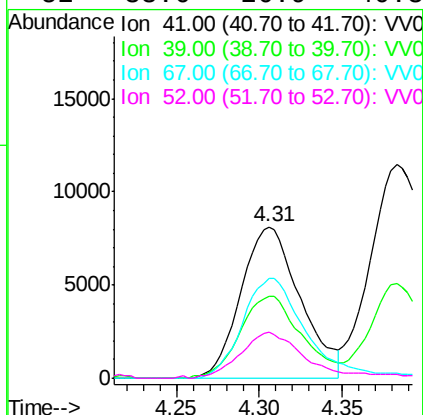
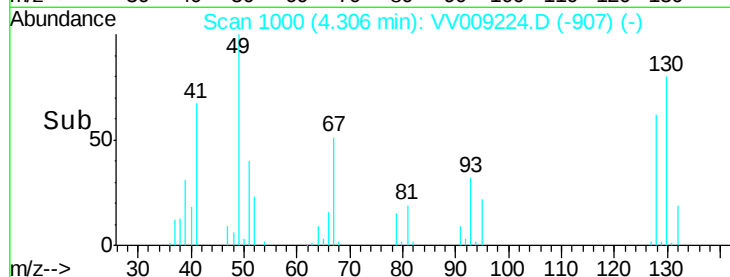
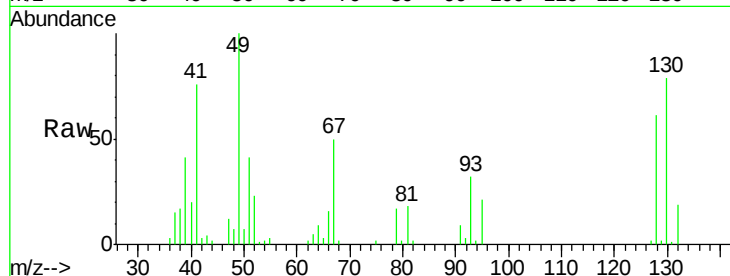
#41
Methacrylonitrile
Concen: 50.000 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	44.8	67.2	
67	71.9	57.5	86.3	
52	33.6	26.9	40.3	

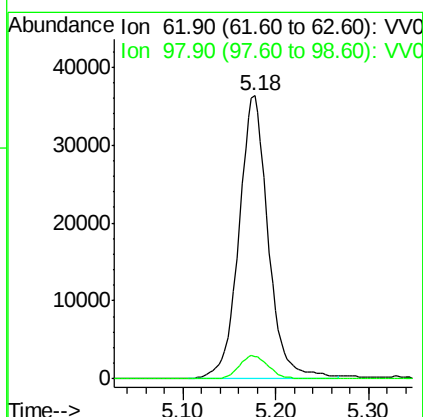
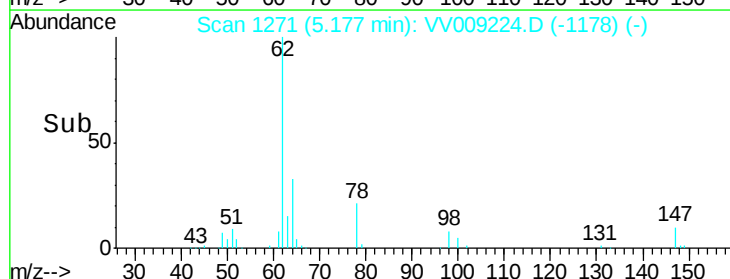
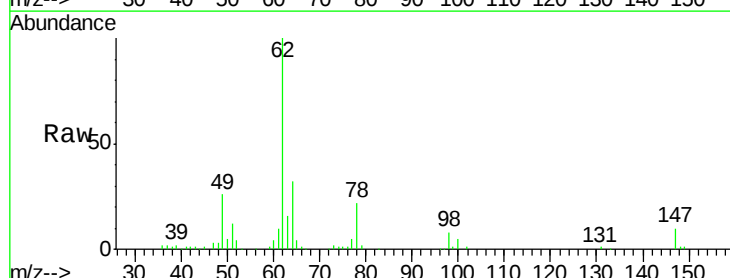
Manual Integrations
APPROVED

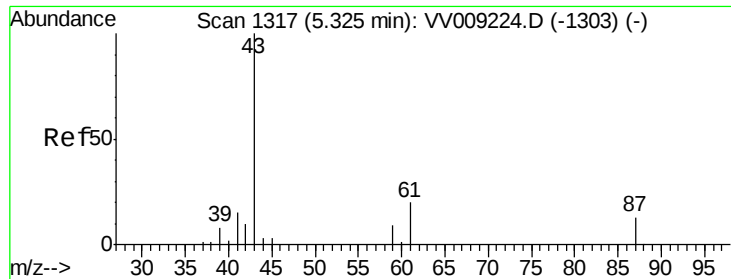
MMDadoda
1/21/2019 10:45:27 AM



#42
1,2-Dichloroethane
Concen: 50.000 ug/l
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.4	





#43

Isopropyl Acetate

Concen: 50.000 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

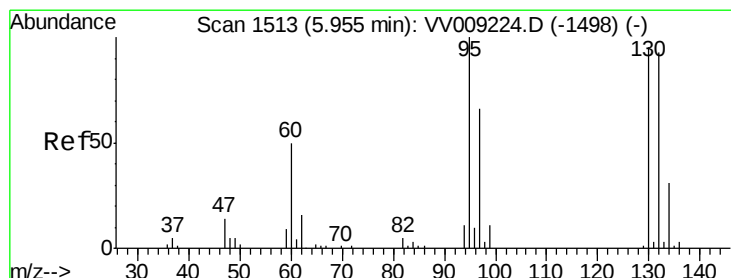
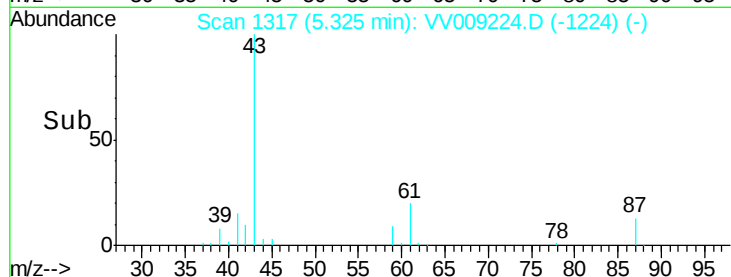
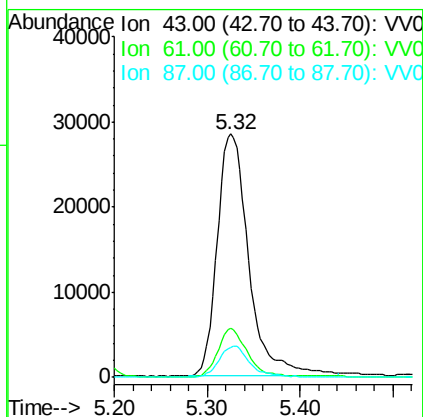
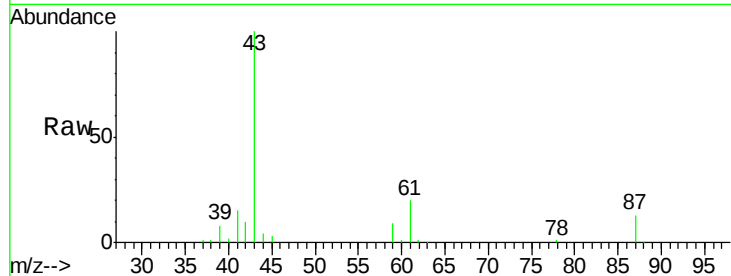
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	67704
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.5	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.000 ug/l

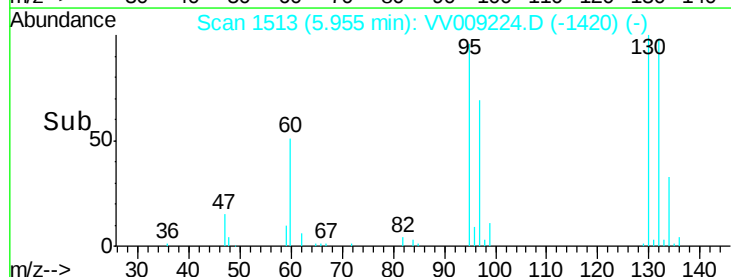
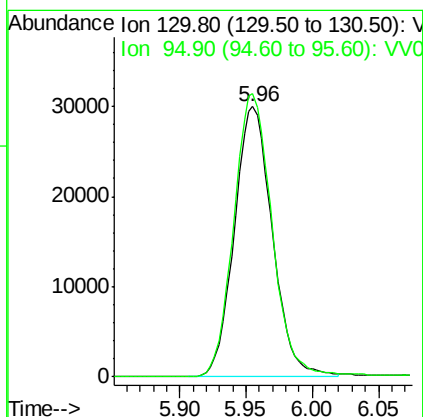
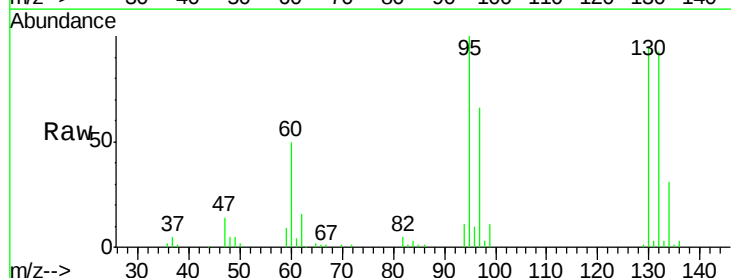
RT: 5.96 min Scan# 1513

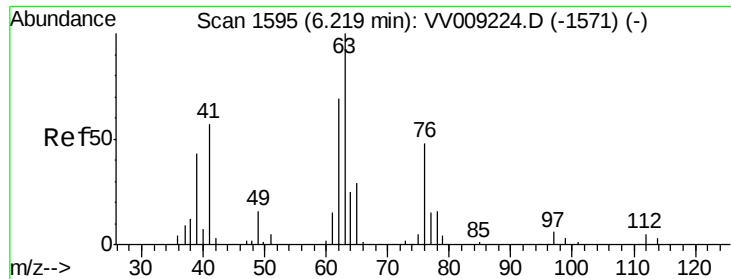
Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tgt Ion:	130	Resp:	59836
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	209.4





#45

1,2-Dichloropropane

Concen: 50.000 ug/l

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 59405

Ion Ratio Lower Upper

63 100

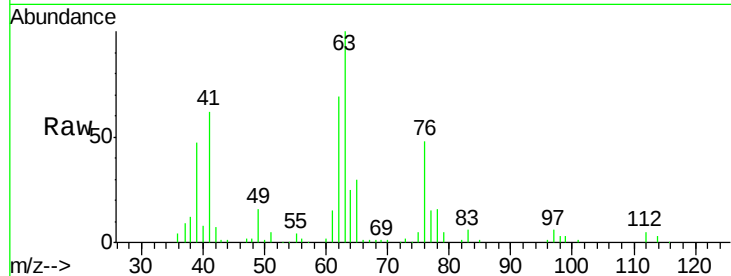
65 29.9 23.9 35.9

Manual Integrations

APPROVED

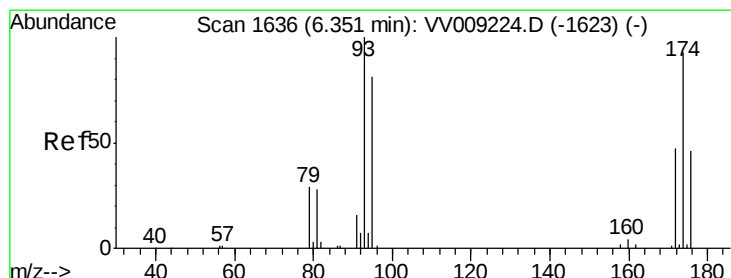
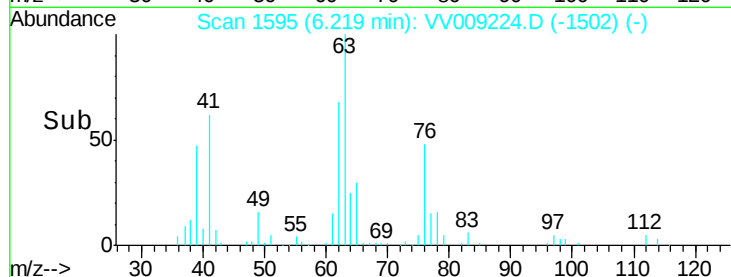
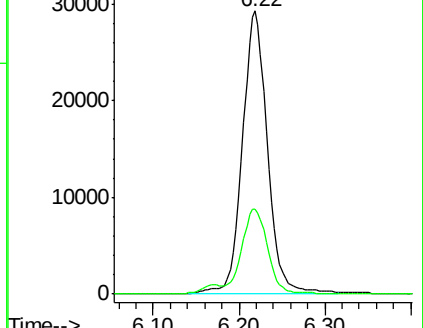
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Abundance Ion 62.90 (62.60 to 63.60): VV009224.D (-1571) (-)

Ion 64.90 (64.60 to 65.60): VV009224.D (-1571) (-)



#46

Dibromomethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

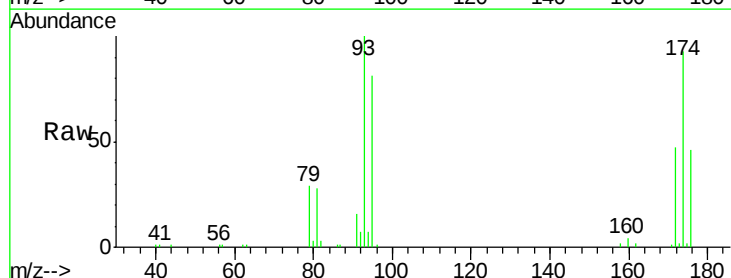
Tgt Ion: 93 Resp: 31374

Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

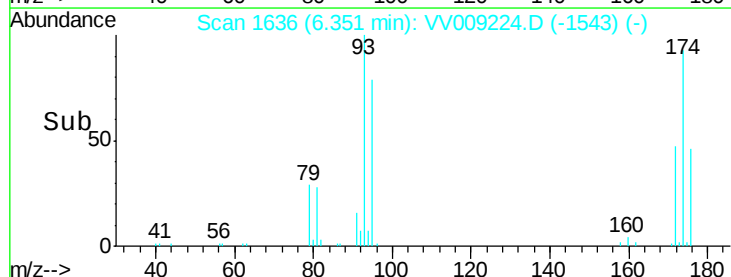
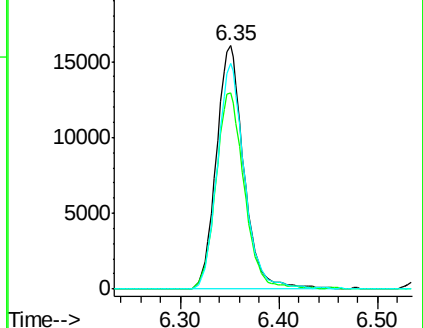
174 91.3 73.0 109.6

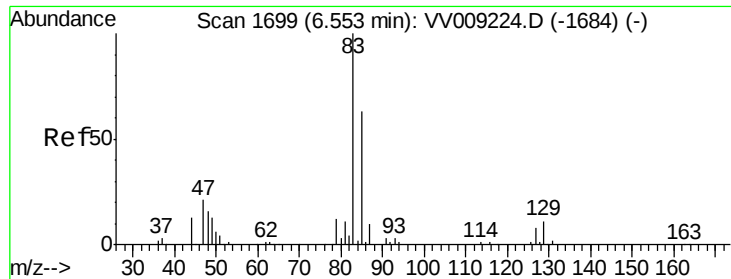


Abundance Ion 92.80 (92.50 to 93.50): VV009224.D (-1623) (-)

Ion 94.80 (94.50 to 95.50): VV009224.D (-1623) (-)

Ion 173.70 (173.40 to 174.40): VV009224.D (-1623) (-)





#47

Bromodichloromethane

Concen: 50.000 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

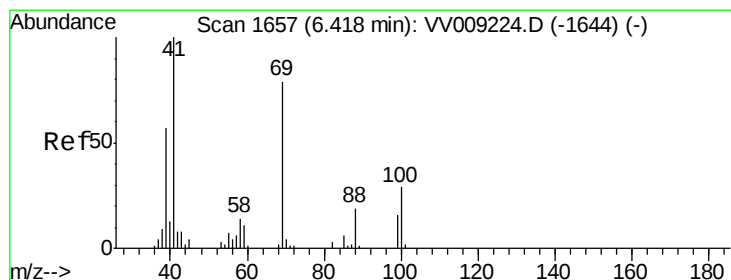
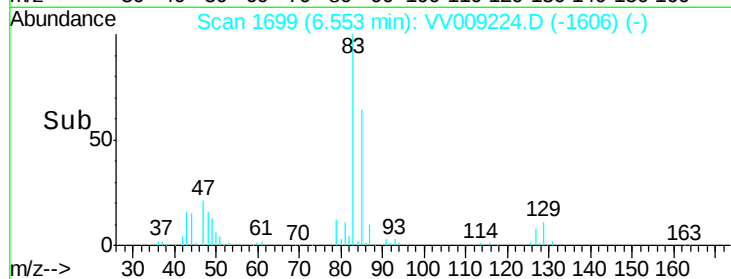
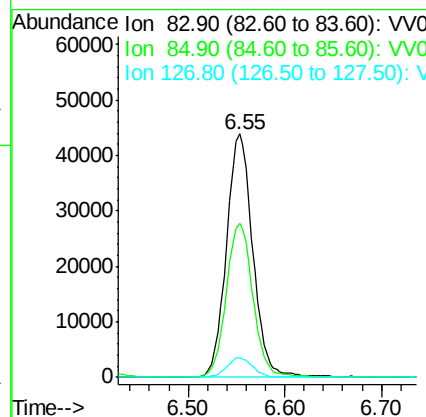
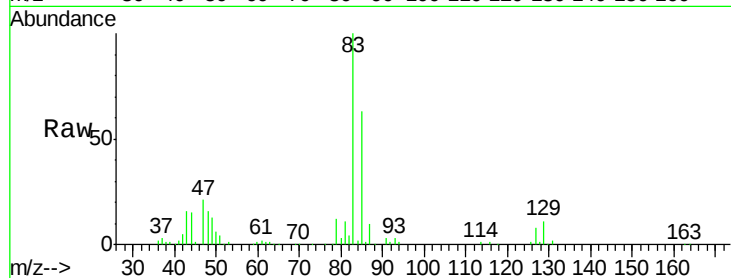
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	83284
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.6	75.8
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.000 ug/l

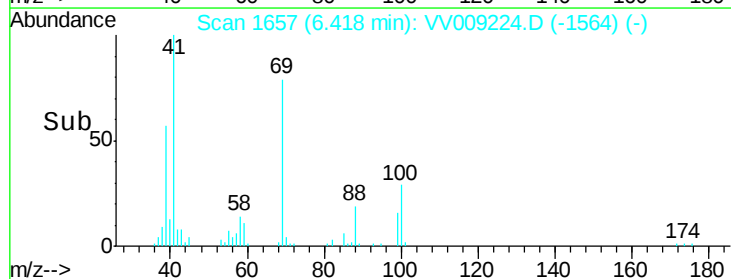
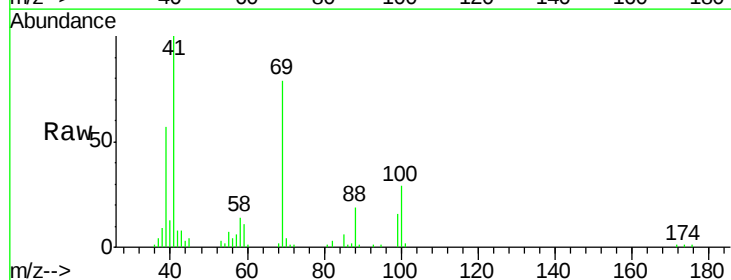
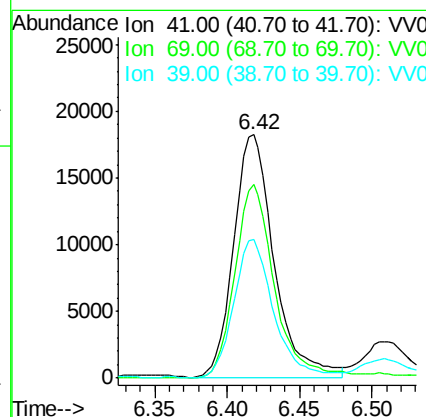
RT: 6.42 min Scan# 1657

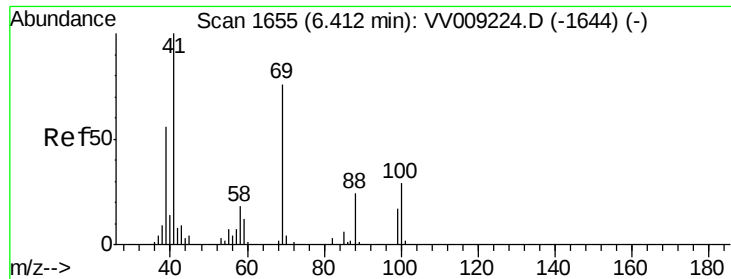
Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tgt Ion:	41	Resp:	35528
Ion	Ratio	Lower	Upper
41	100		
69	77.8	62.2	93.4
39	55.9	44.7	67.1





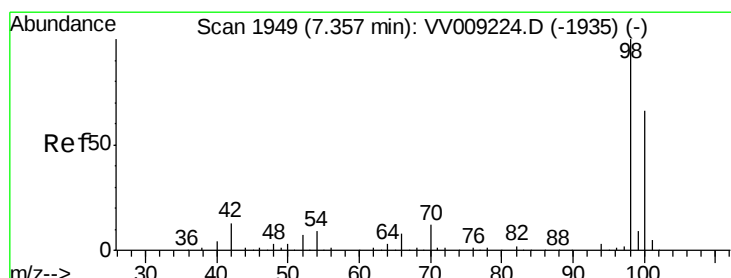
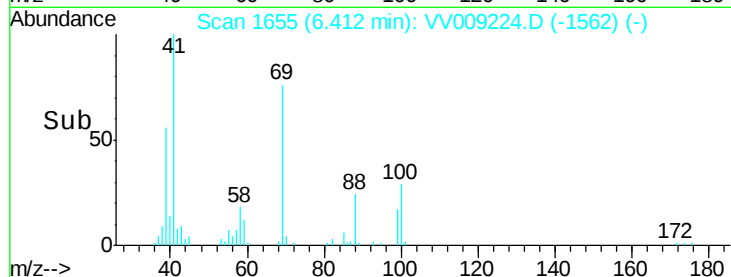
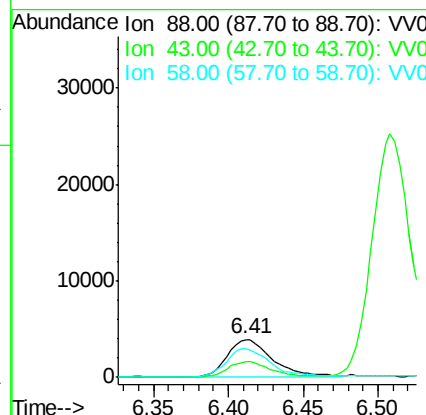
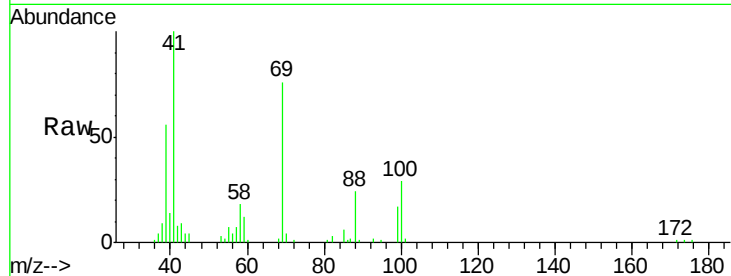
#49
1,4-Dioxane
Concen: 1000.000 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	31.3	46.9
58	74.5	59.6	89.4

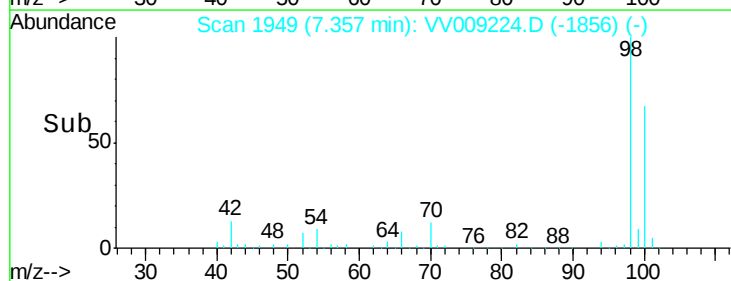
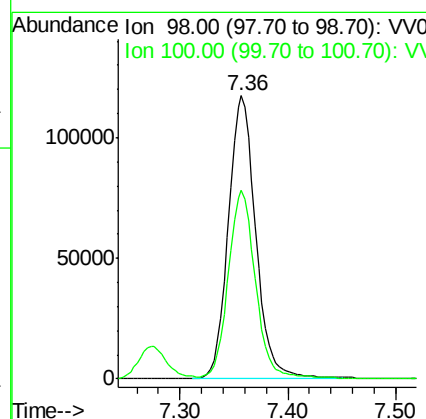
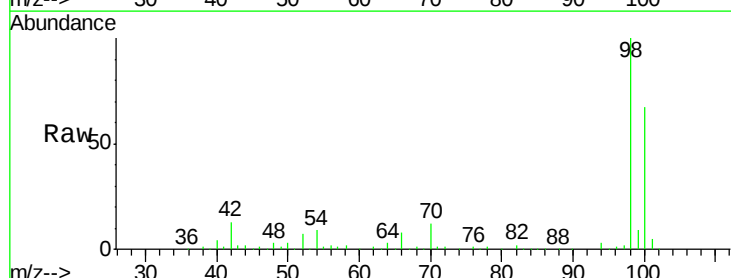
Manual Integrations
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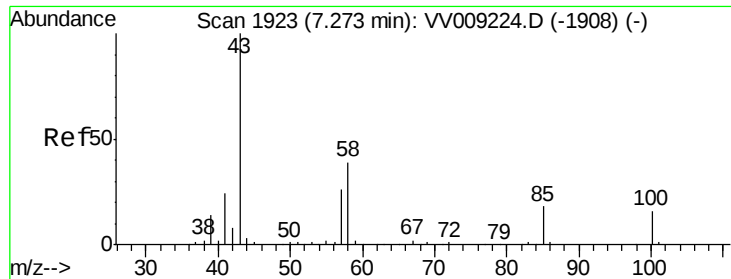
MMDadoda
1/21/2019 10:45:27 AM



#50
Toluene-d8
Concen: 50.000 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





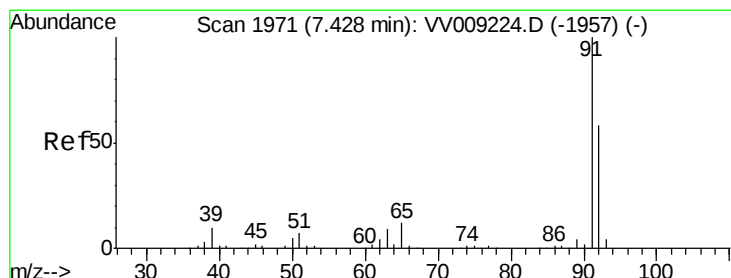
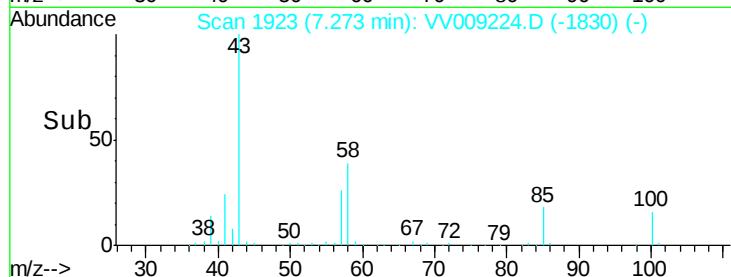
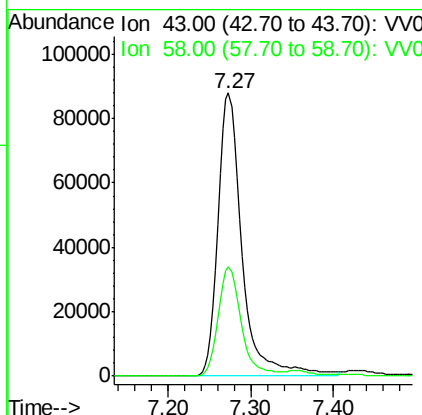
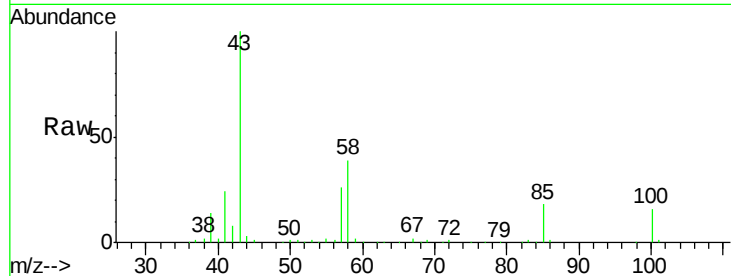
#51
4-Methyl-2-Pentanone
Concen: 250.000 ug/l
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.5	44.3

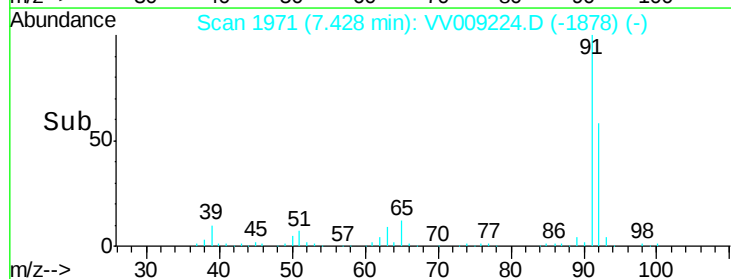
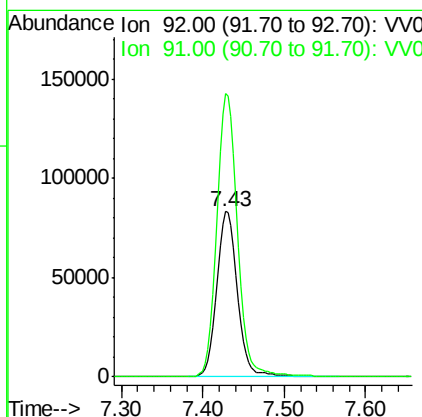
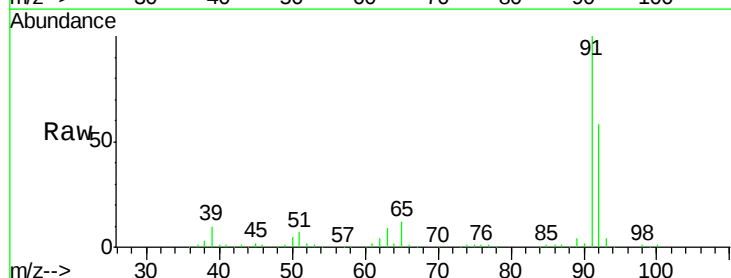
Manual Integrations
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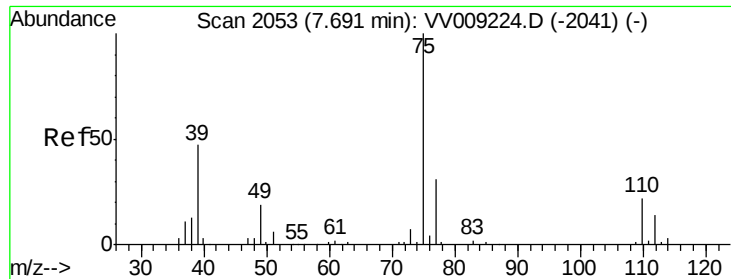
MMDadoda
1/21/2019 10:45:27 AM



#52
Toluene
Concen: 50.000 ug/l
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.9	205.3





#53

t-1,3-Dichloropropene

Concen: 50.000 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 81675

Ion Ratio Lower Upper

75 100

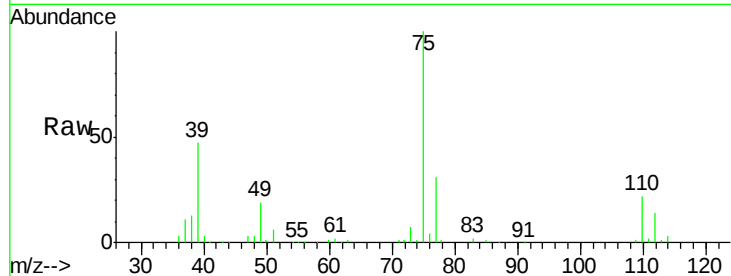
77 30.5 24.4 36.6

Manual Integrations

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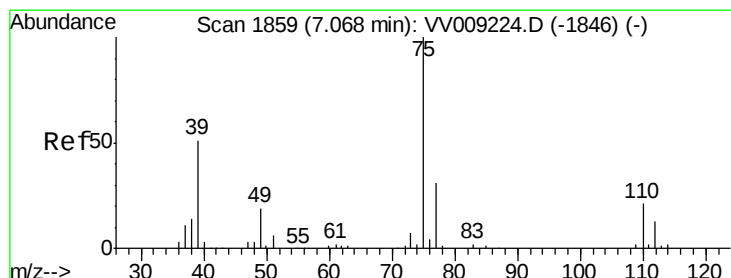
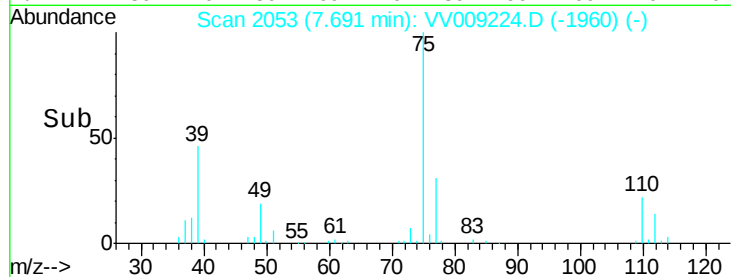
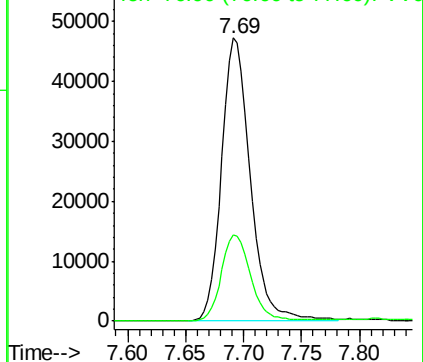
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0



#54

cis-1,3-Dichloropropene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

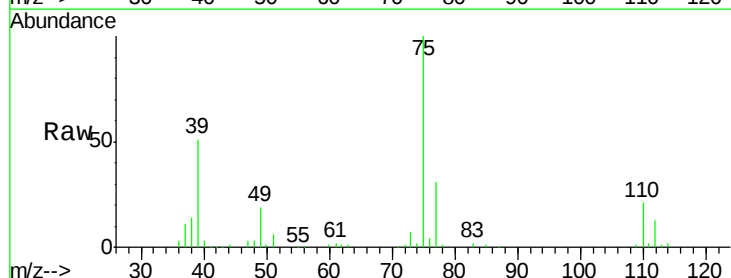
Tgt Ion: 75 Resp: 94354

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

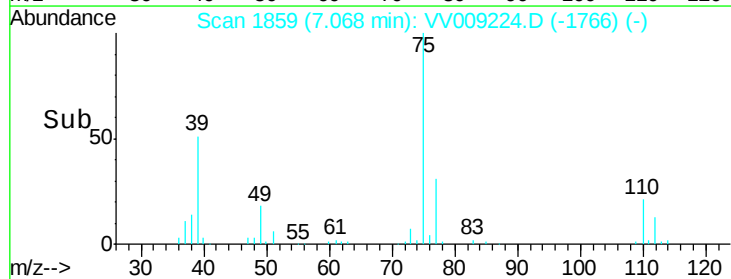
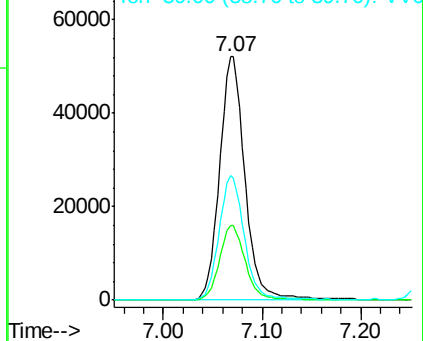
39 51.0 40.8 61.2

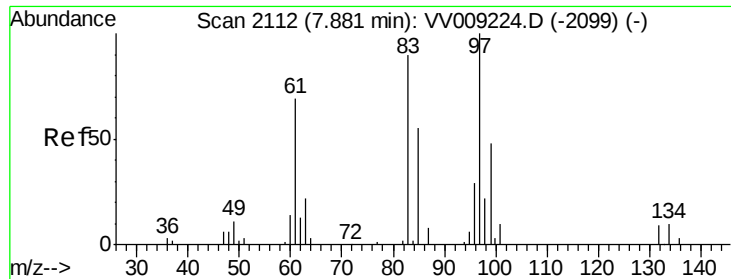


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0

Ion 39.00 (38.70 to 39.70): VV0





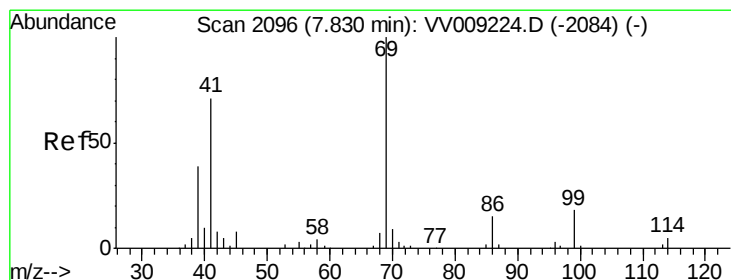
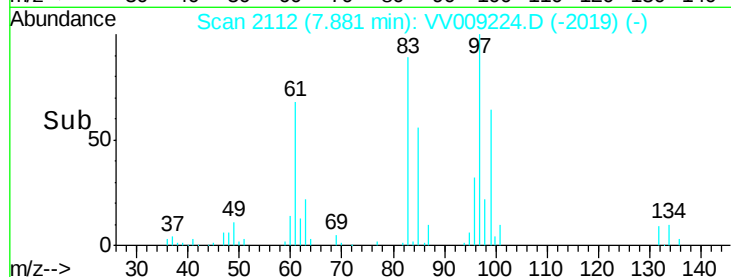
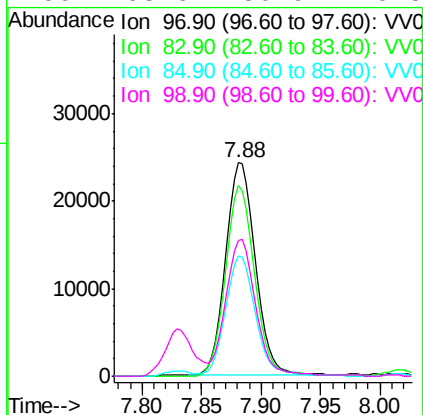
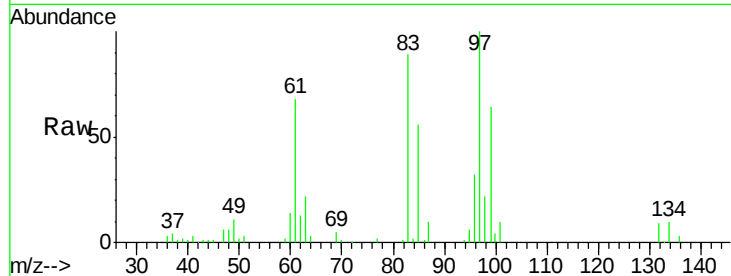
#55
 1,1,2-Trichloroethane
 Concen: 50.000 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	42004
Ion	Ratio	Lower	Upper
97	100		
83	89.9	71.9	107.9
85	56.0	44.8	67.2
99	63.6	50.9	76.3

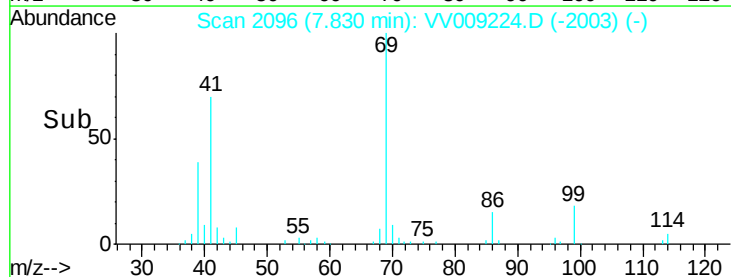
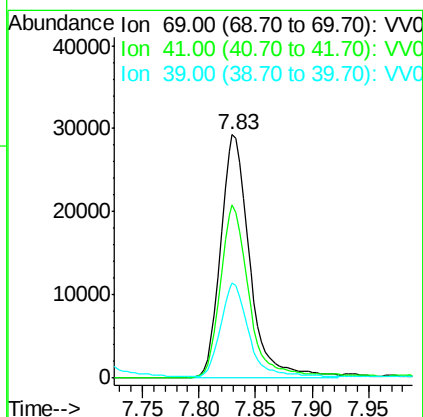
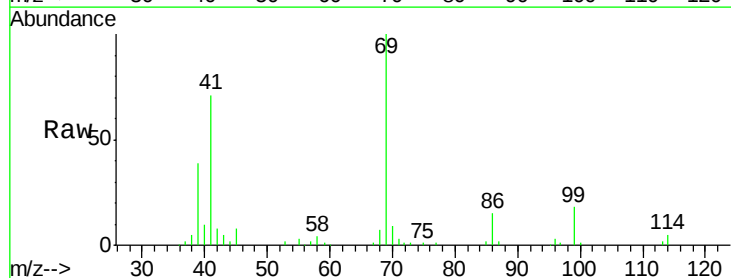
Manual Integrations
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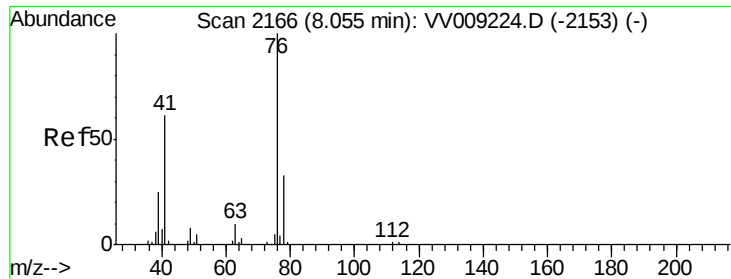
MMDadoda
 1/21/2019 10:45:27 AM



#56
 Ethyl methacrylate
 Concen: 50.000 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Tgt Ion:	69	Resp:	52795
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.4	83.2
39	36.8	29.4	44.2





#57

1,3-Dichloropropane

Concen: 50.000 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 79204

Ion Ratio Lower Upper

76 100

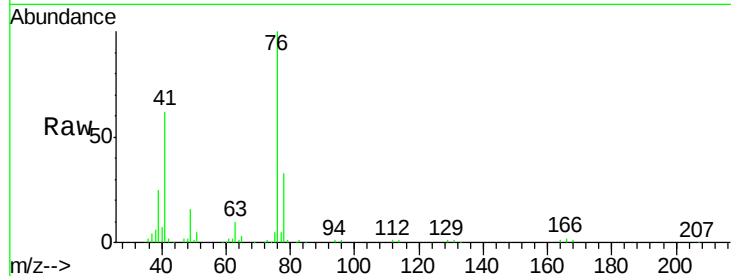
78 32.2 25.8 38.6

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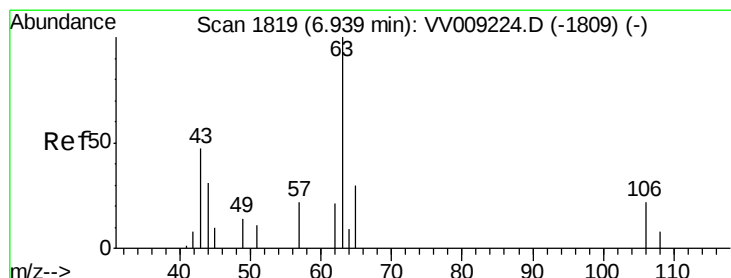
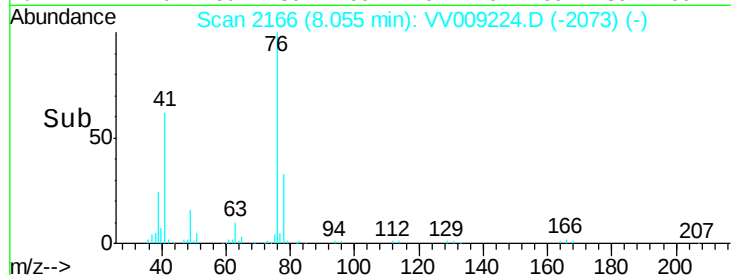
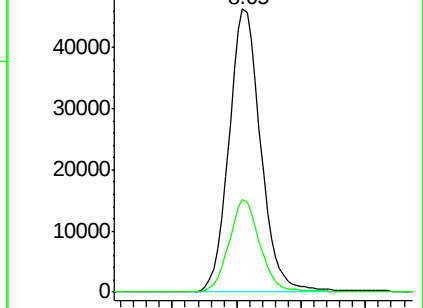
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VV0

Ion 77.90 (77.60 to 78.60): VV0



#58

2-Chloroethyl Vinyl ether

Concen: 250.000 ug/l

RT: 6.94 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VV009224.D

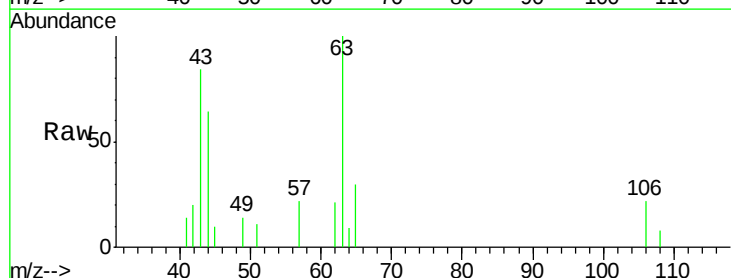
Acq: 18 Jan 2019 16:55

Tgt Ion: 63 Resp: 2372

Ion Ratio Lower Upper

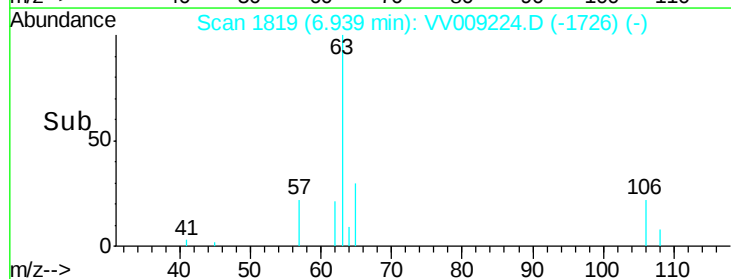
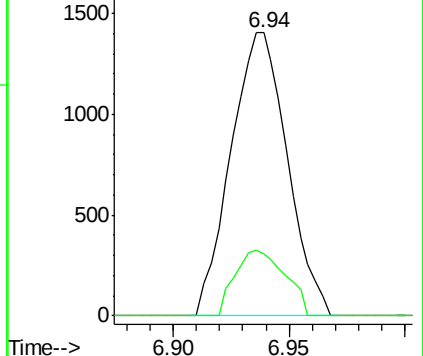
63 100

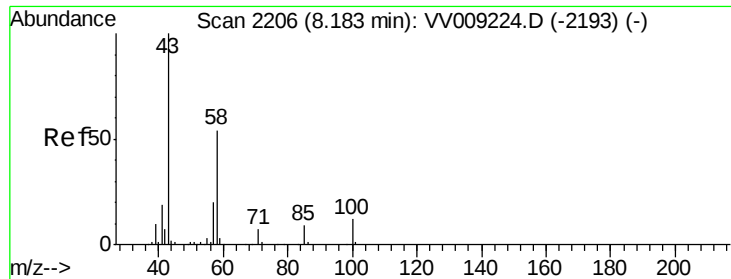
106 20.7 16.6 24.8



Abundance Ion 62.90 (62.60 to 63.60): VV0

Ion 105.90 (105.60 to 106.60): V





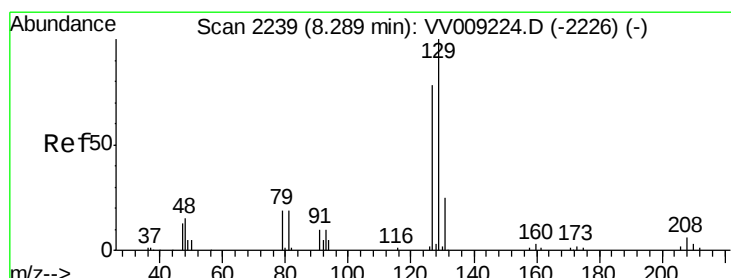
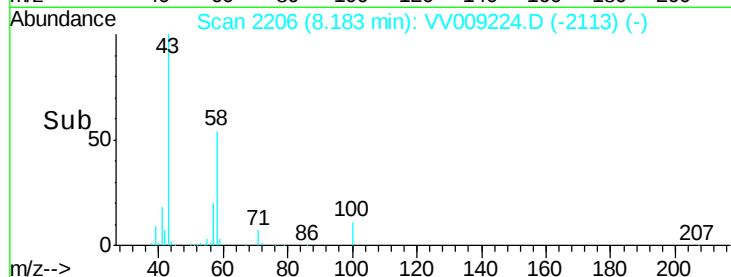
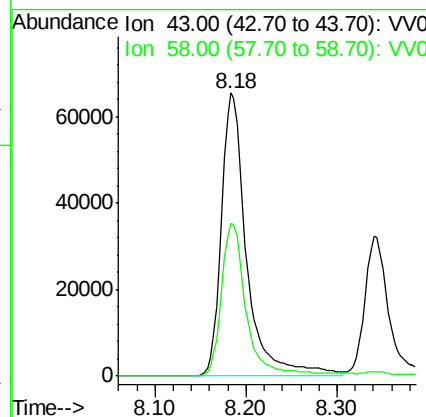
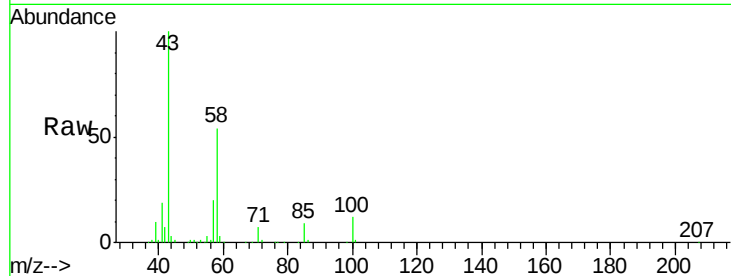
#59
2-Hexanone
Concen: 250.000 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 126902
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.9

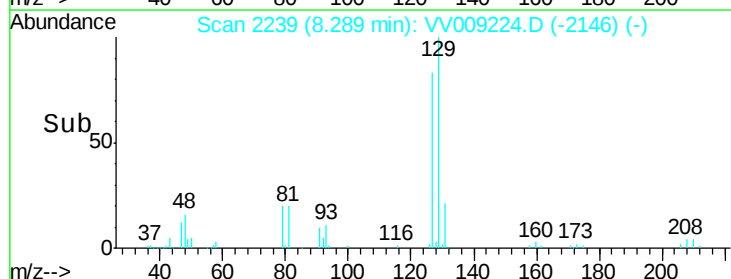
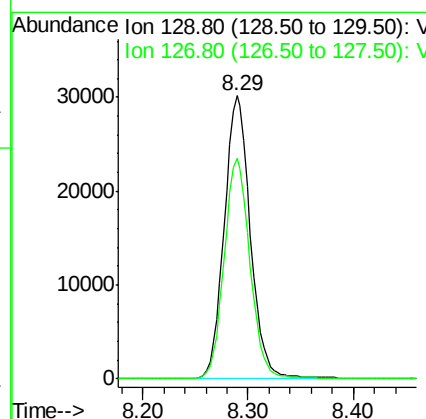
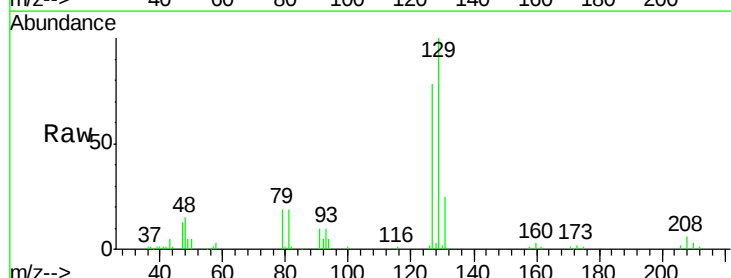
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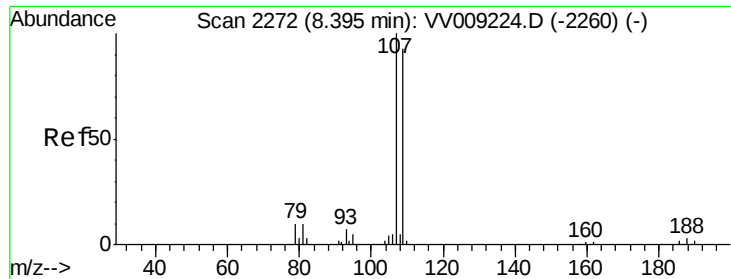
MMDadoda
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#60
Dibromochloromethane
Concen: 50.000 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion: 129 Resp: 51721
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.000 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 41981

Ion Ratio Lower Upper

107 100

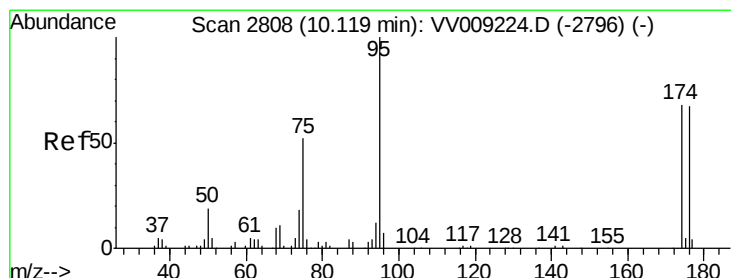
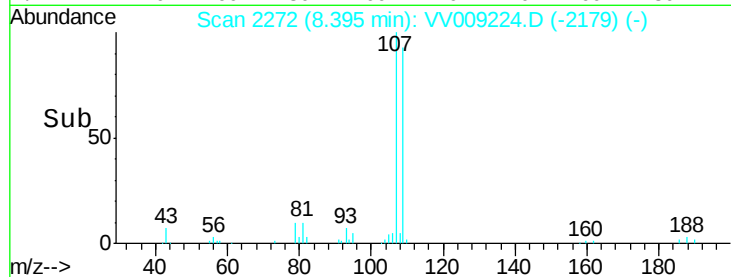
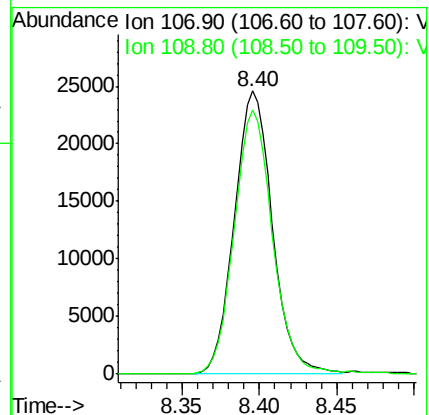
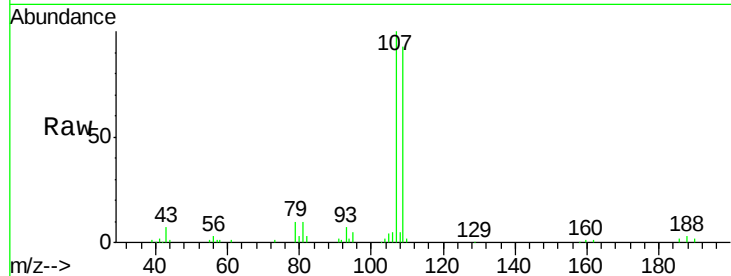
109 94.4 75.5 113.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.000 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

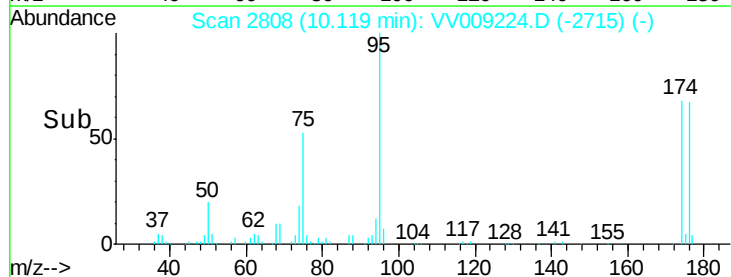
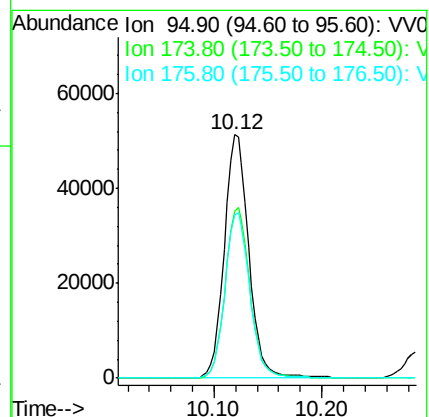
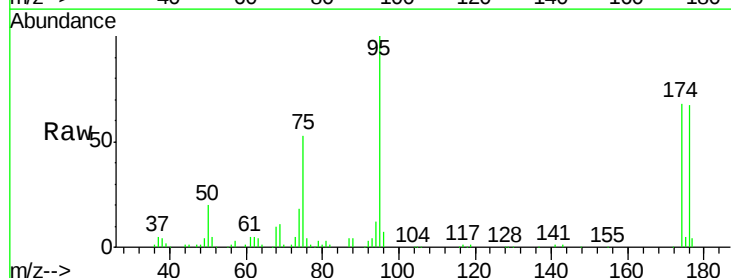
Tgt Ion: 95 Resp: 81039

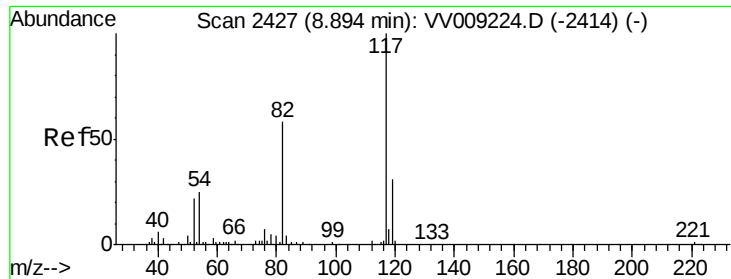
Ion Ratio Lower Upper

95 100

174 70.8 0.0 141.6

176 69.3 0.0 138.6





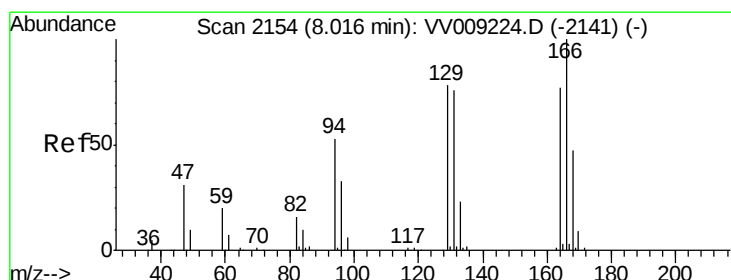
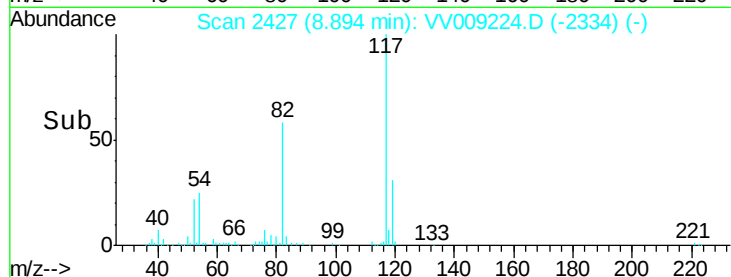
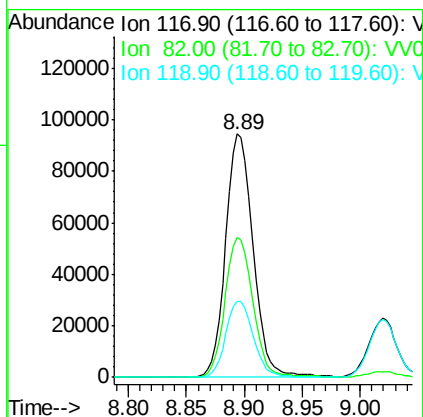
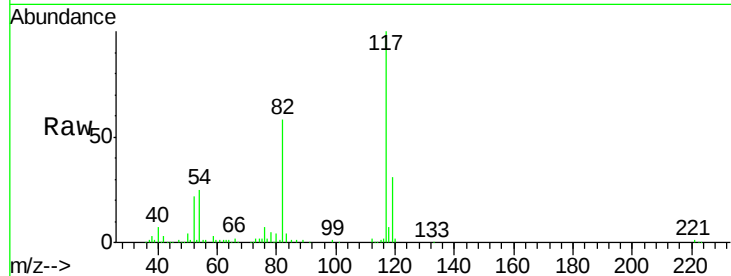
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	156095		
82	57.7	46.2	69.2	
119	31.2	25.0	37.4	

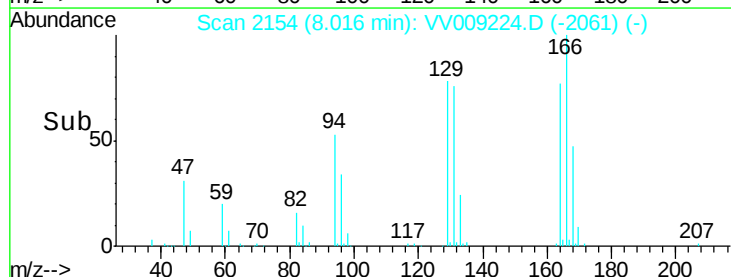
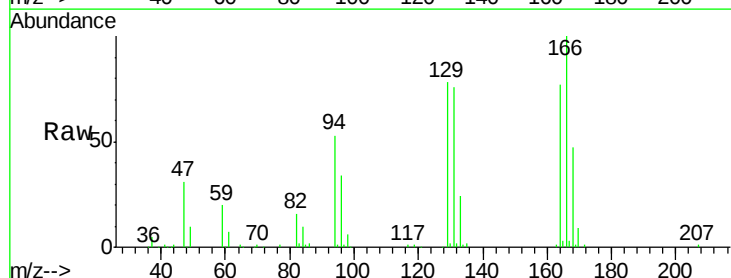
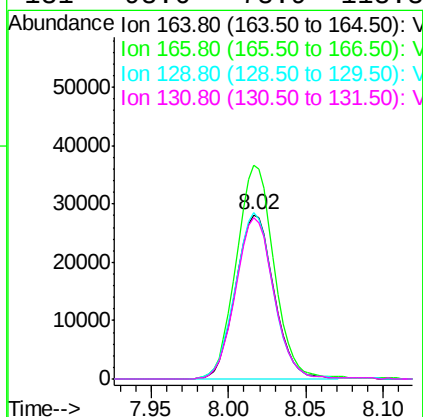
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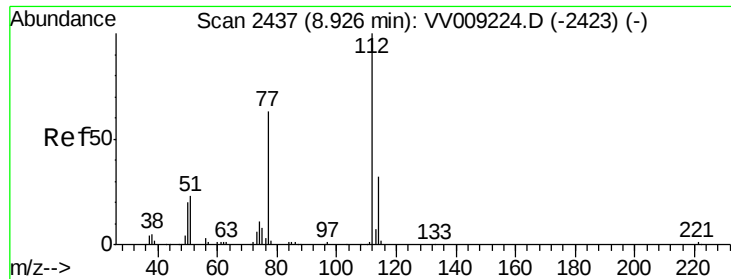
MMDadoda
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#64
Tetrachloroethene
Concen: 50.000 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48406		
166	130.2	104.2	156.2	
129	101.2	81.0	121.4	
131	98.6	78.9	118.3	





#65

Chlorobenzene

Concen: 50.000 ug/l

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 164252

Ion Ratio Lower Upper

112 100

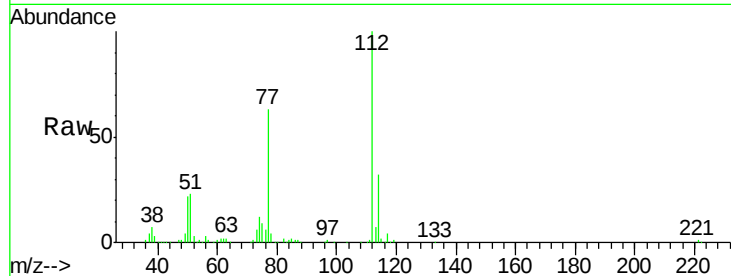
114 32.2 25.8 38.6

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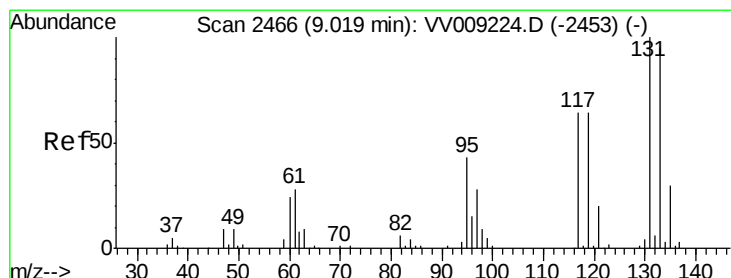
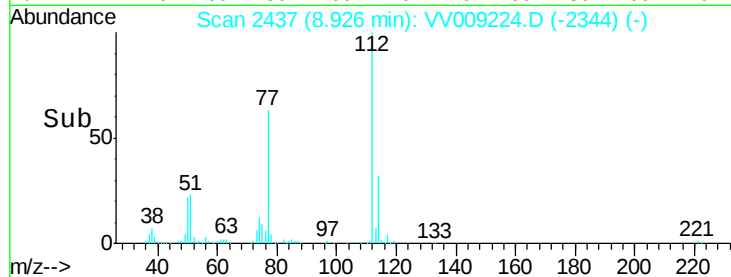
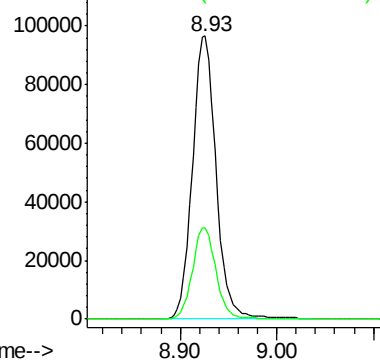
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.000 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

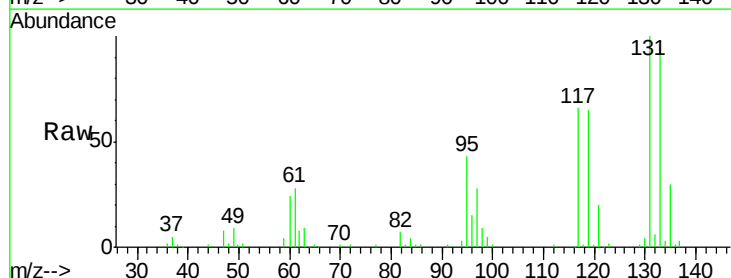
Tgt Ion:131 Resp: 58330

Ion Ratio Lower Upper

131 100

133 94.5 47.3 141.8

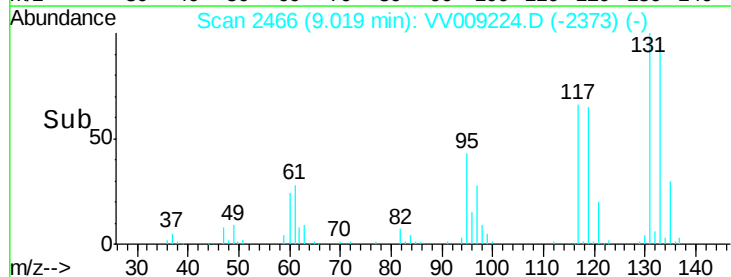
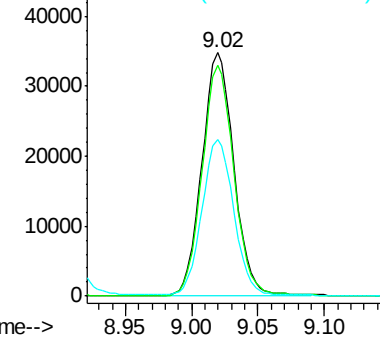
119 65.0 32.5 97.5

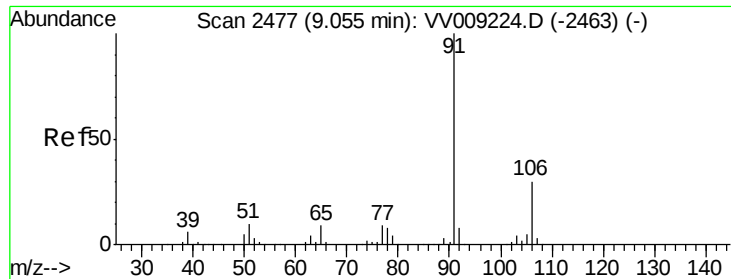


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.000 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 296175

Ion Ratio Lower Upper

91 100

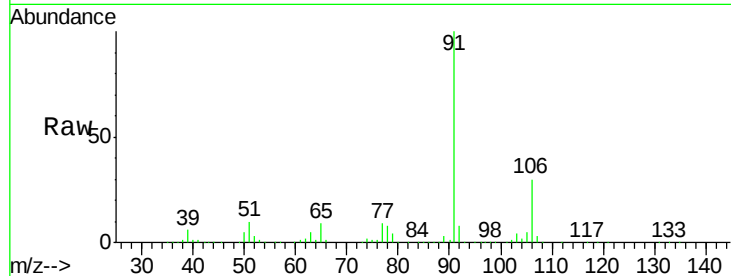
106 30.1 24.1 36.1

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Abundance Ion 91.00 (90.70 to 91.70): VV009224.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV009224.D (-2463) (-)

300000

250000

200000

150000

100000

50000

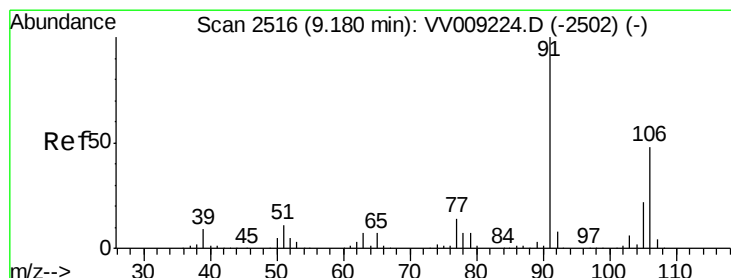
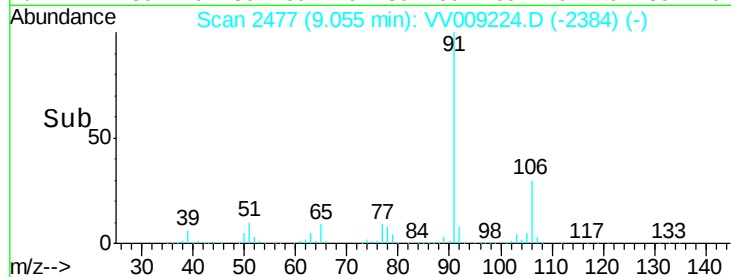
0

9.05

9.10

9.15

Time-->



#68

m/p-Xylenes

Concen: 100.000 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009224.D

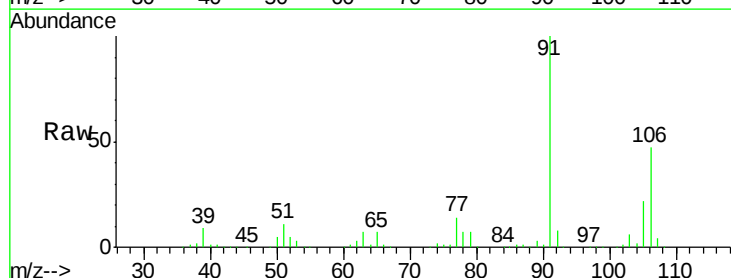
Acq: 18 Jan 2019 16:55

Tgt Ion: 106 Resp: 221008

Ion Ratio Lower Upper

106 100

91 213.0 170.4 255.6



Abundance Ion 106.00 (105.70 to 106.70): VV009224.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV009224.D (-2502) (-)

300000

250000

200000

150000

100000

50000

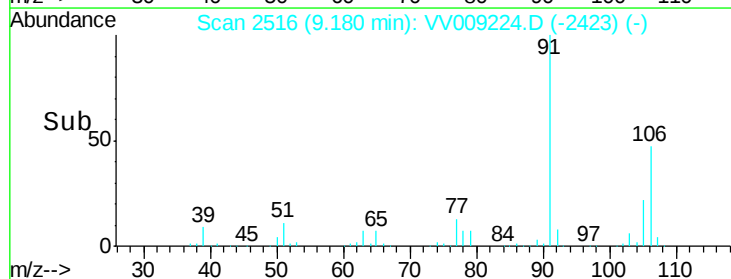
0

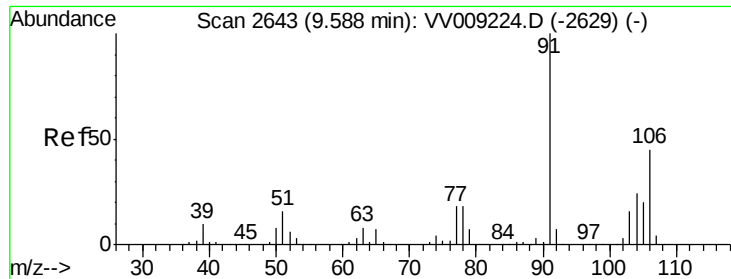
9.18

9.20

9.30

Time-->





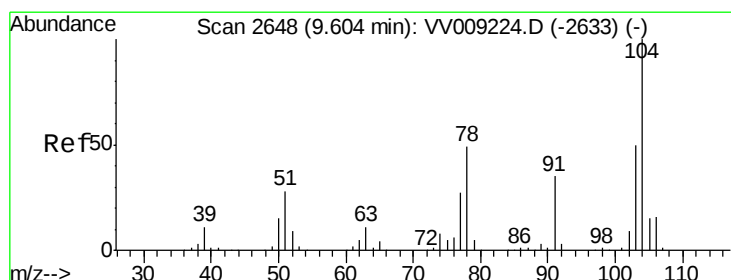
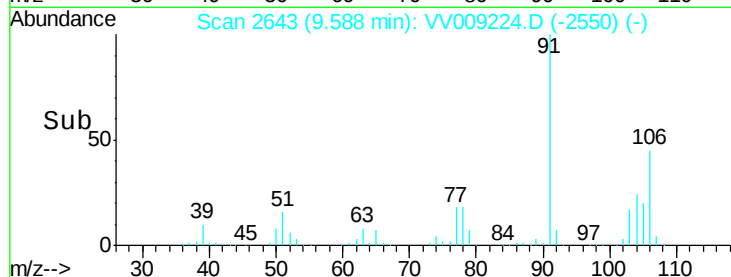
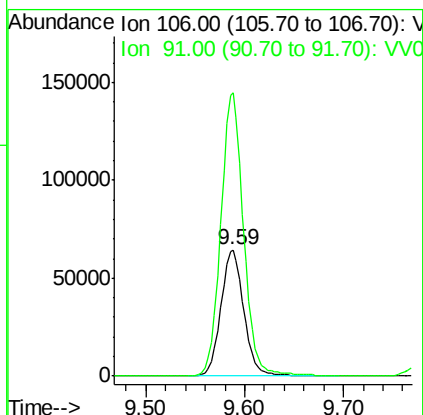
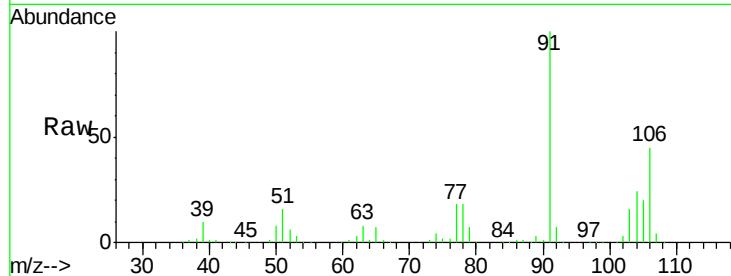
#69
o-Xylene
Concen: 50.000 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 106033
Ion Ratio Lower Upper
106 100
91 221.2 110.6 331.8

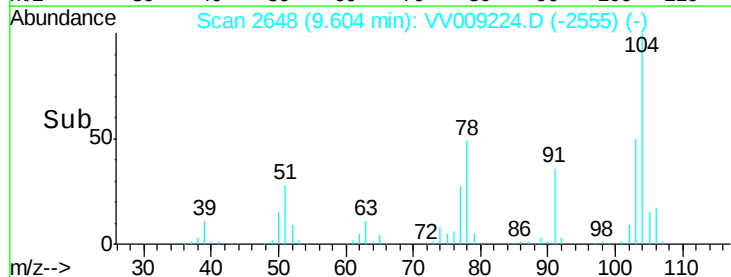
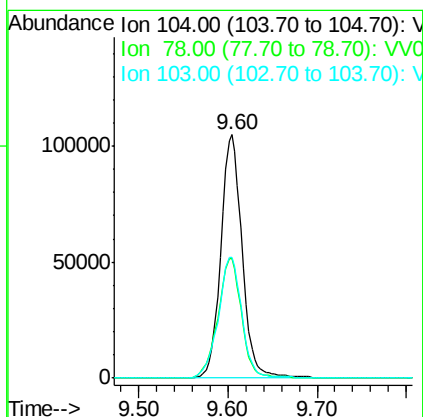
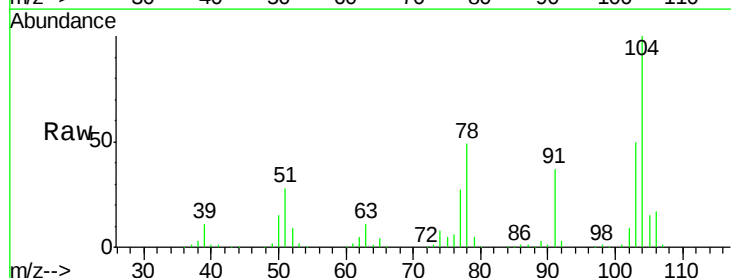
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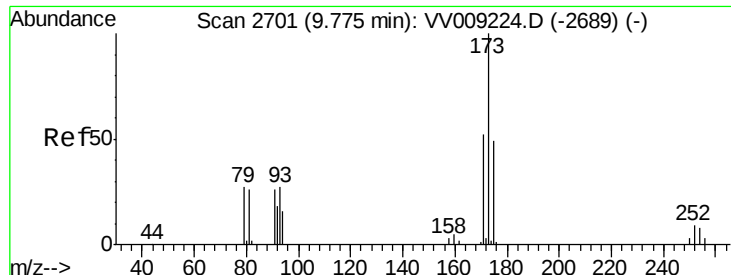
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#70
Styrene
Concen: 50.000 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion:104 Resp: 173920
Ion Ratio Lower Upper
104 100
78 54.6 43.7 65.5
103 55.0 44.0 66.0





#71

Bromoform

Concen: 50.000 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

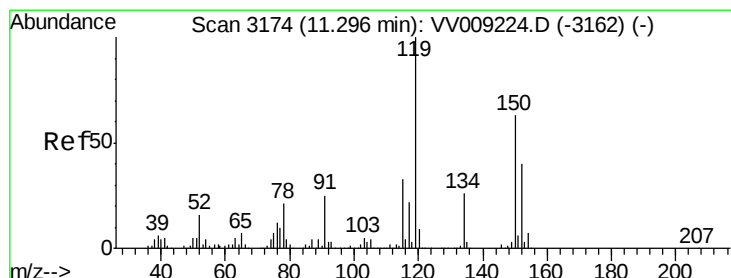
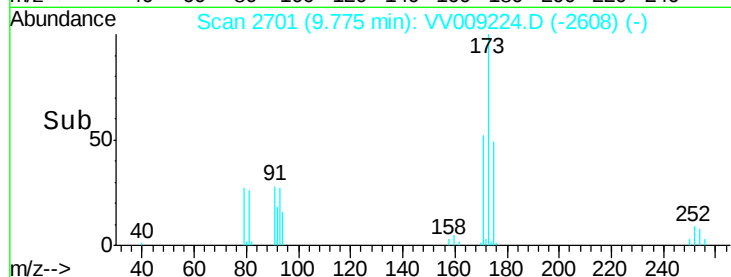
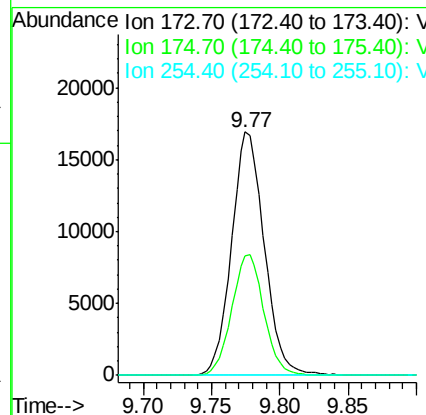
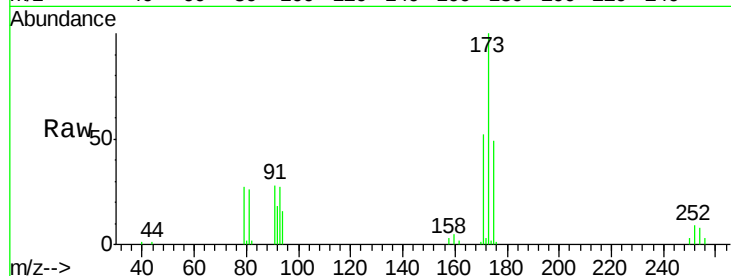
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

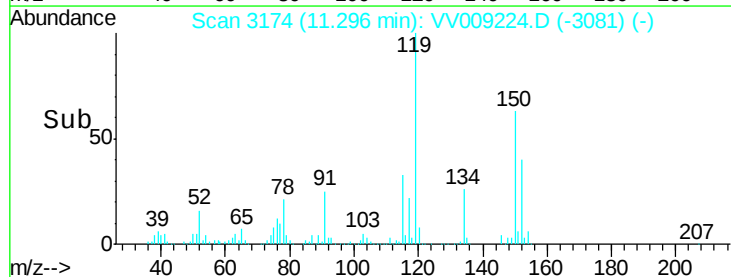
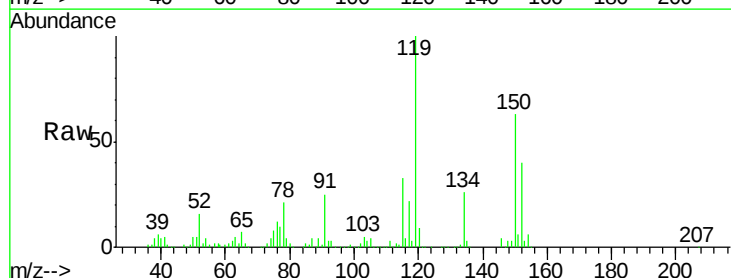
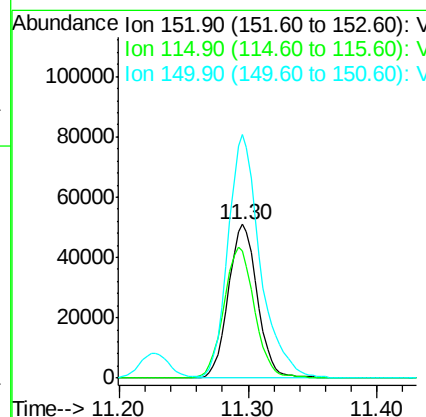
RT: 11.30 min Scan# 3174

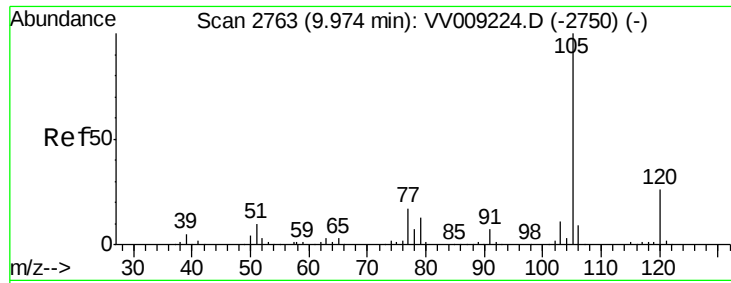
Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	90.2	45.1	135.3
150	175.4	0.0	350.8





#73

Isopropylbenzene

Concen: 50.000 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tot Ion: 105 Resp: 296612

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6

Instrument :

MSVOA_V

ClientSampleId :

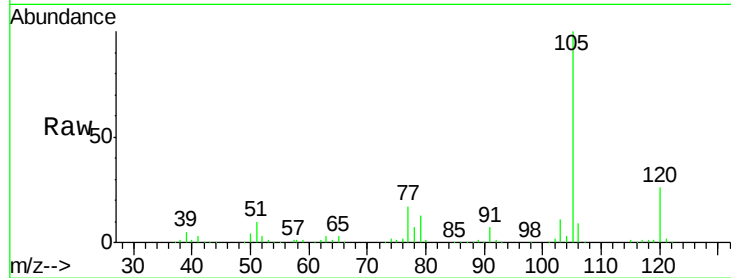
VSTDICCC050

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

0

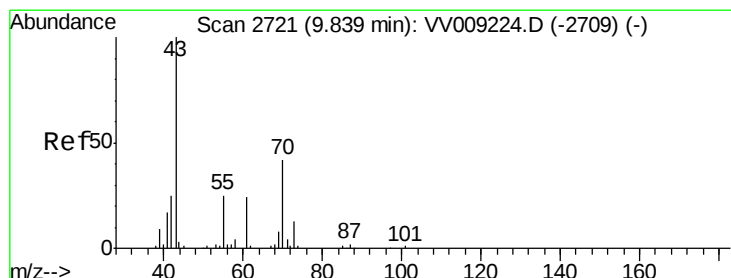
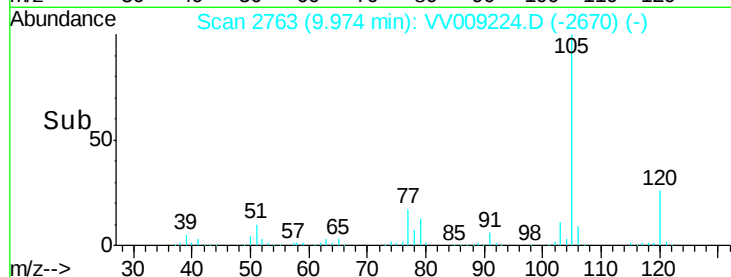
9.97

9.90

10.00

10.10

Time-->



#74

N-ethyl acetate

Concen: 50.000 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tgt Ion: 43 Resp: 63041

Ion Ratio Lower Upper

43 100

70 40.5 32.4 48.6

55 24.9 19.9 29.9

61 23.8 19.0 28.6

Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

50000

40000

30000

20000

10000

0

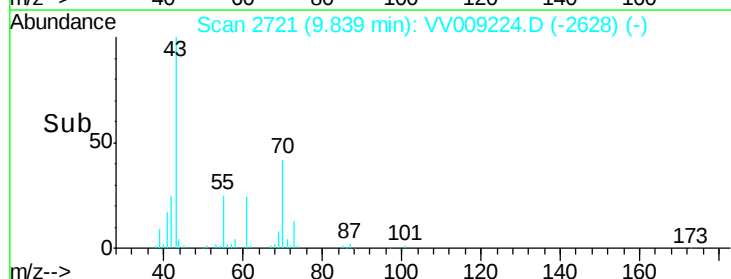
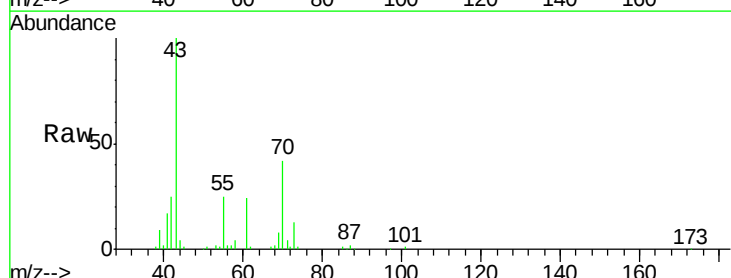
9.84

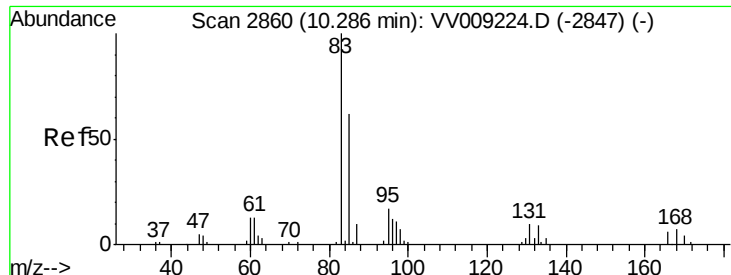
9.80

9.90

10.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.000 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

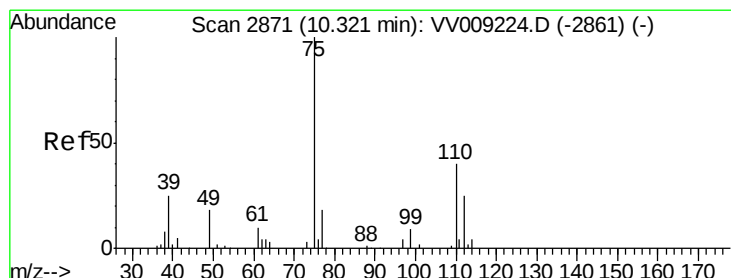
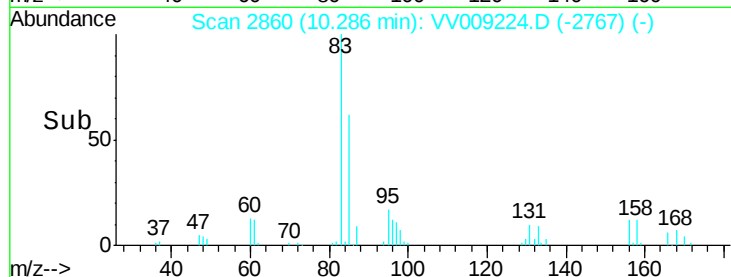
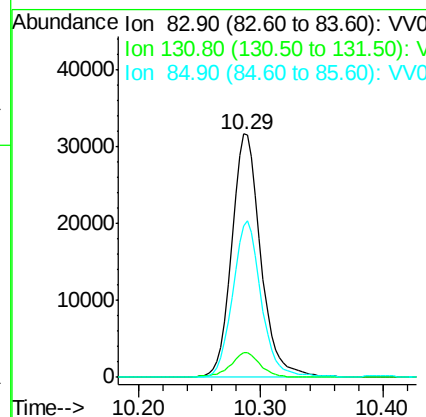
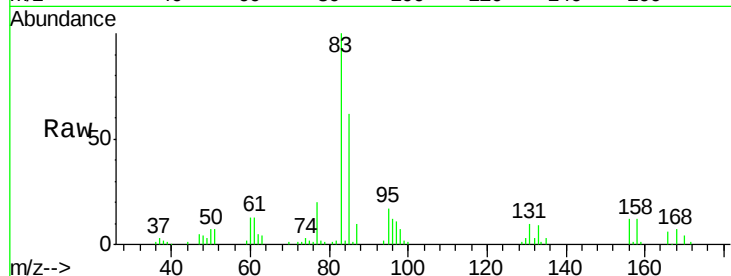
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	52790
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.1	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 50.000 ug/l m

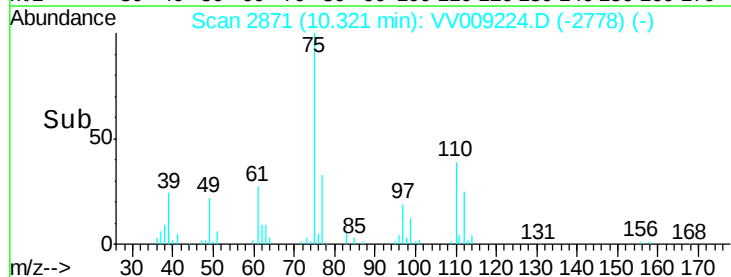
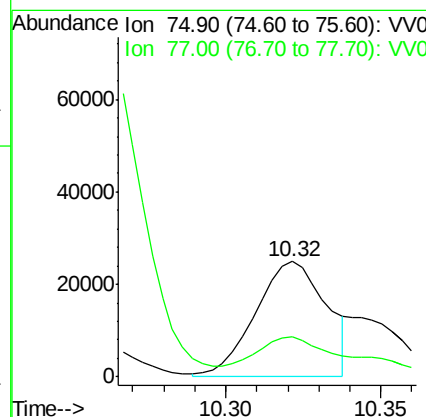
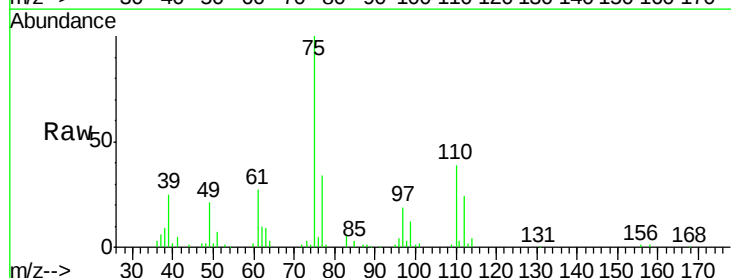
RT: 10.32 min Scan# 2871

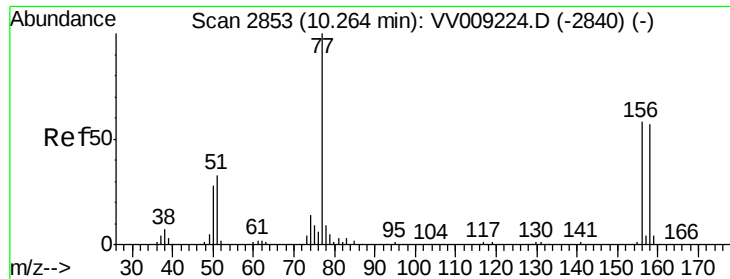
Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tgt Ion:	75	Resp:	39834
Ion Ratio	Lower	Upper	
75	100		
77	48.2	24.1	72.3





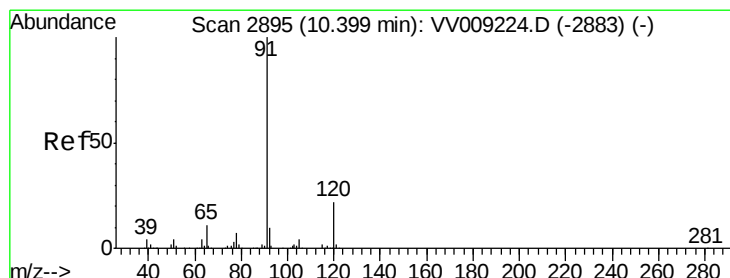
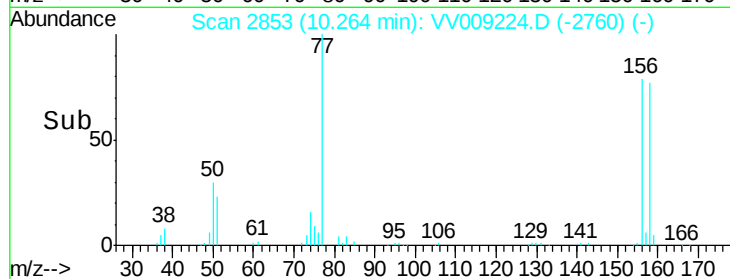
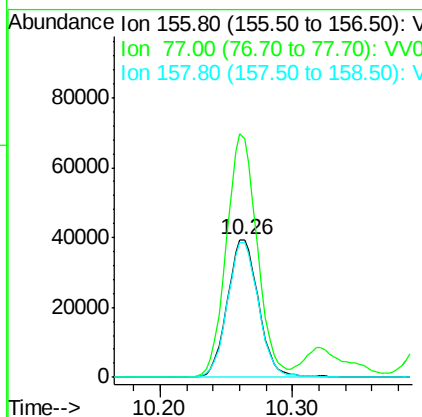
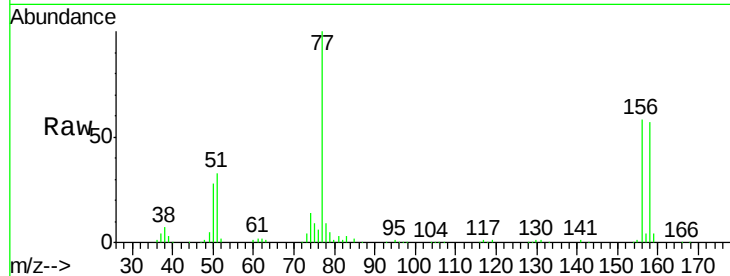
#77
Bromobenzene
Concen: 50.000 ug/l
RT: 10.26 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.1	86.6	259.7
158	97.5	48.8	146.3

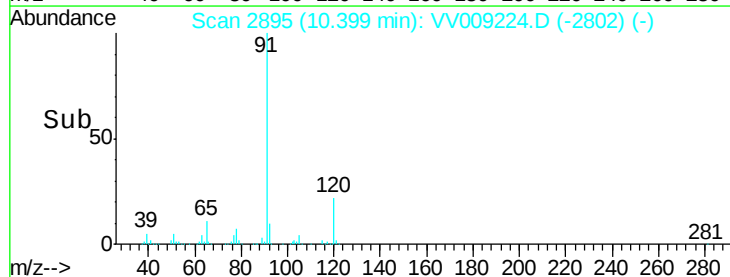
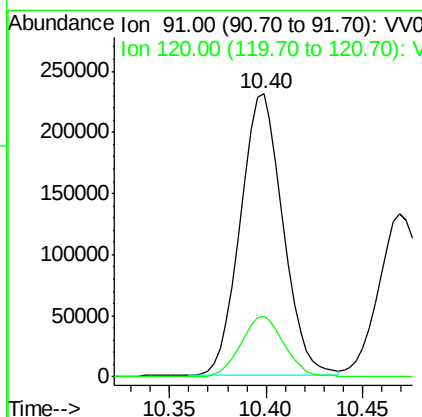
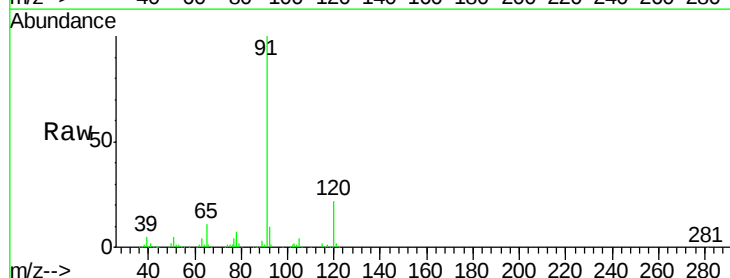
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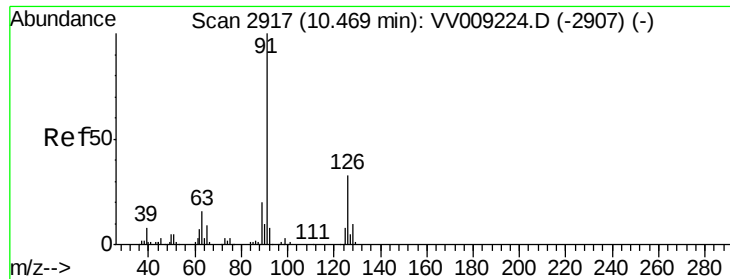
MMDadoda
1/21/2019 10:45:27 AM



#78
n-propylbenzene
Concen: 50.000 ug/l
RT: 10.40 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





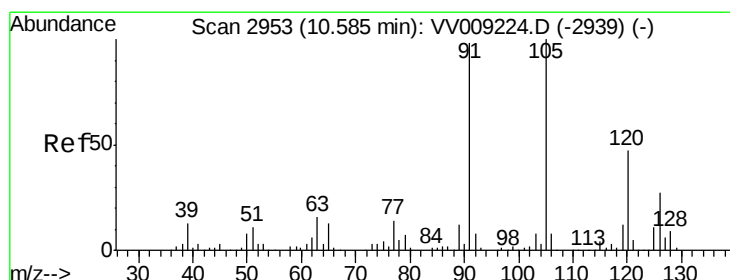
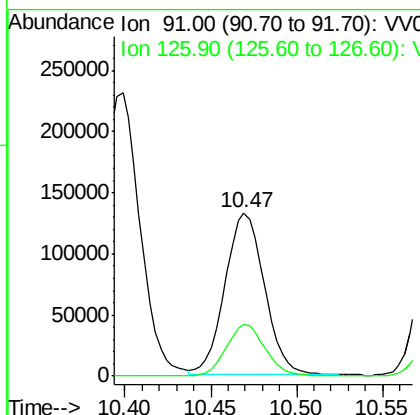
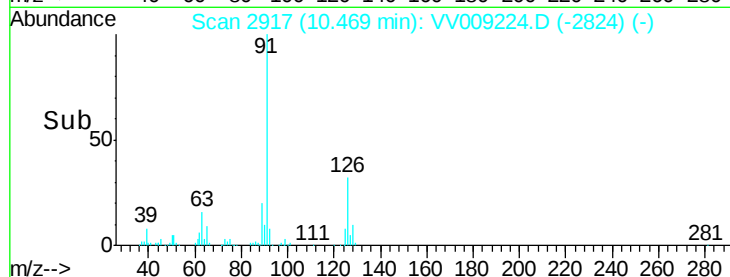
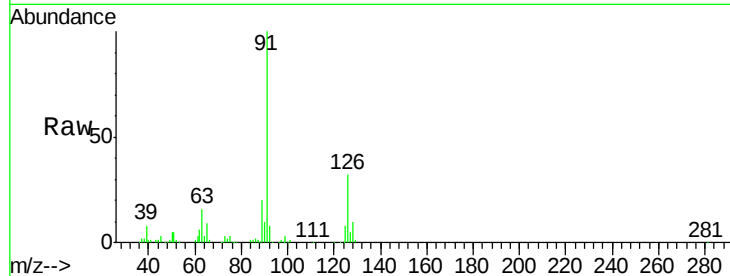
#79
 2-Chlorotoluene
 Concen: 50.000 ug/l
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 211462
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.0 47.9

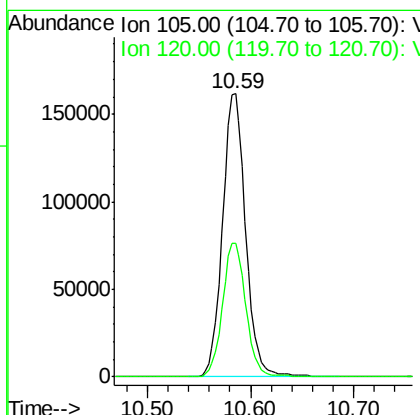
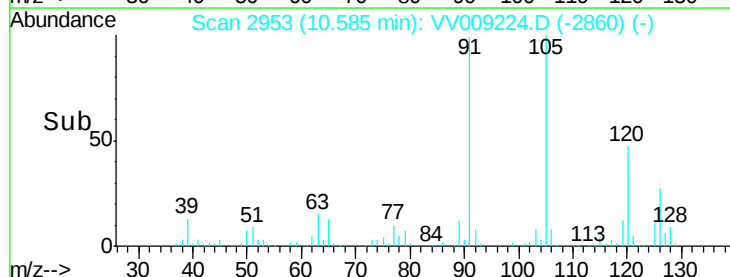
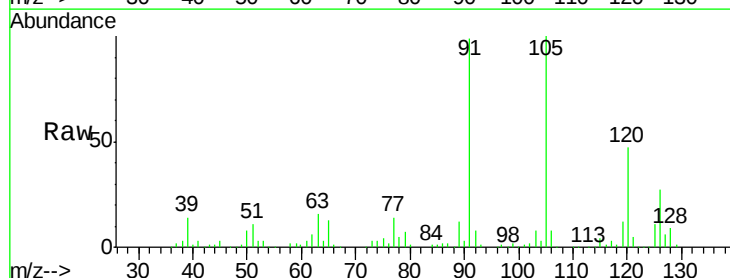
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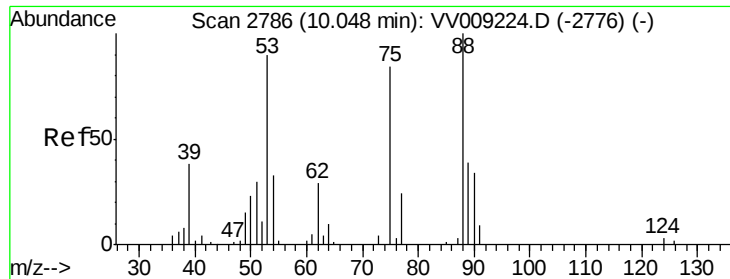
MMDadoda
 1/21/2019 10:45:27 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.000 ug/l
 RT: 10.59 min Scan# 2953
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Tgt Ion: 105 Resp: 252318
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5





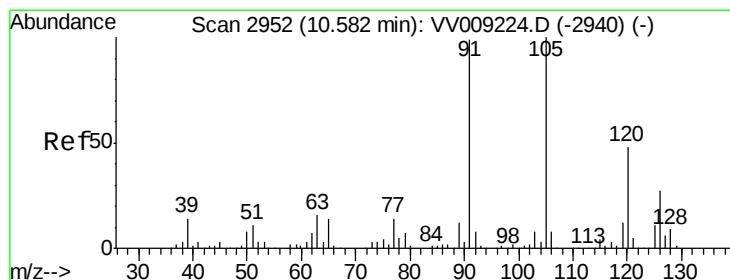
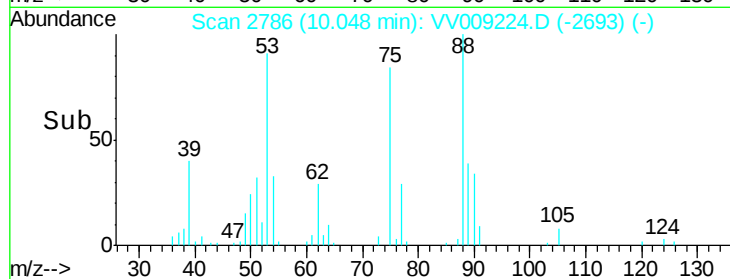
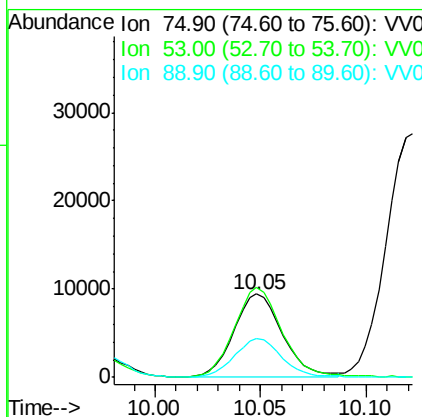
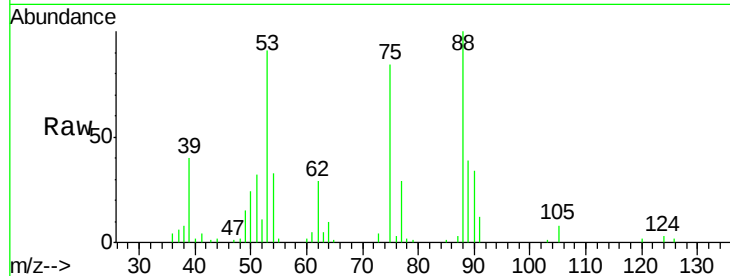
#81
trans-1,4-Dichloro-2-butene
Concen: 50.000 ug/l
RT: 10.05 min Scan# 2786
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.9	85.5	128.3
89	45.4	36.3	54.5

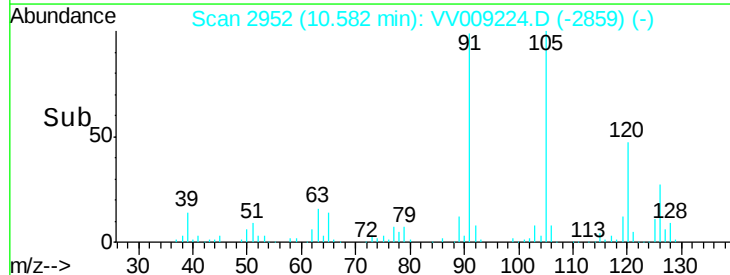
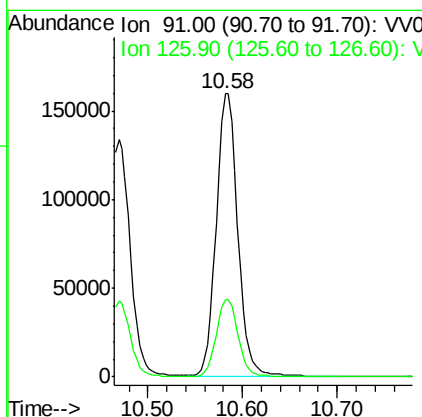
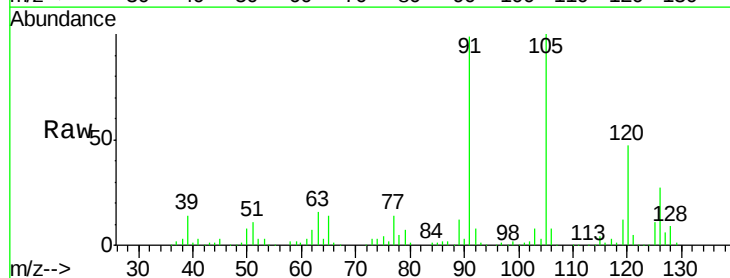
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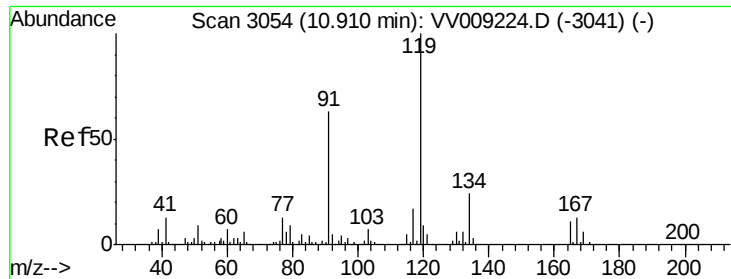
MMDadoda
1/21/2019 10:45:27 AM



#82
4-Chlorotoluene
Concen: 50.000 ug/l
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7





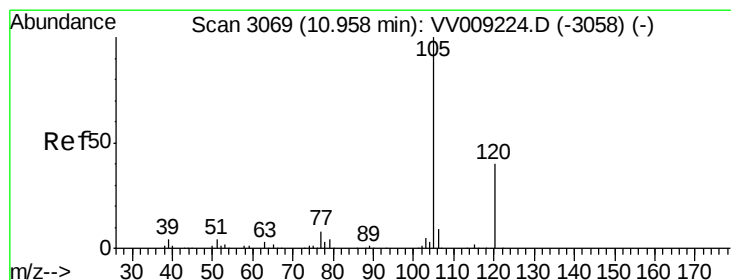
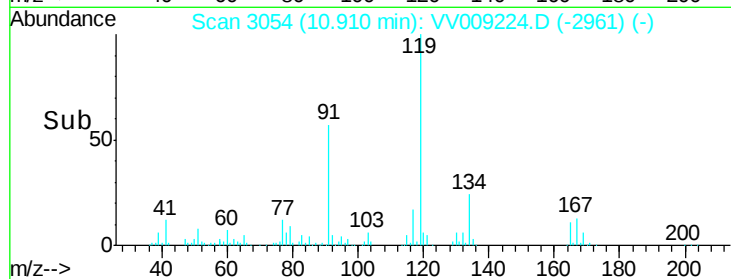
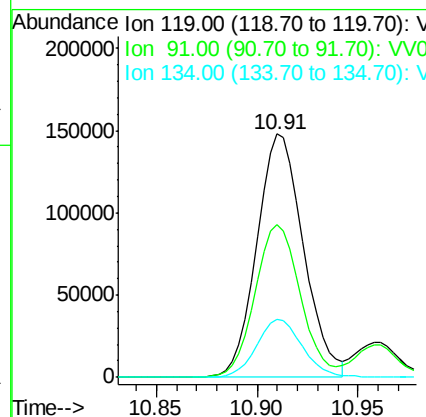
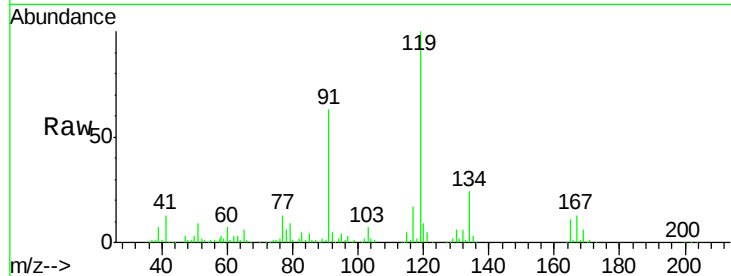
#83
 tert-Butylbenzene
 Concen: 50.000 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239060		
91	61.0		30.5	91.5
134	23.6		11.8	35.4

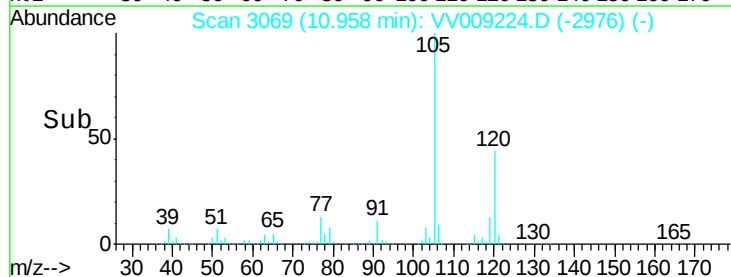
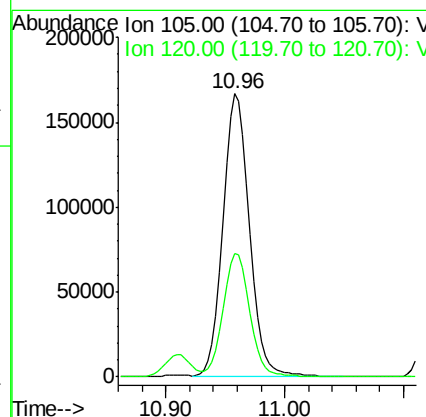
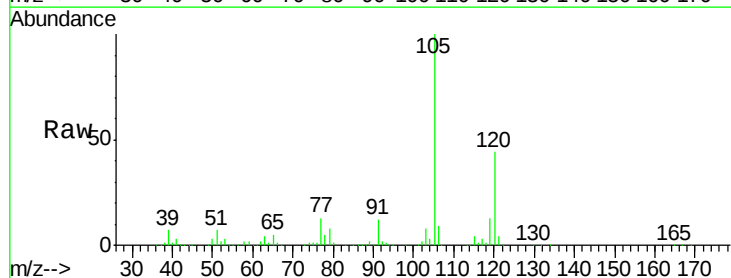
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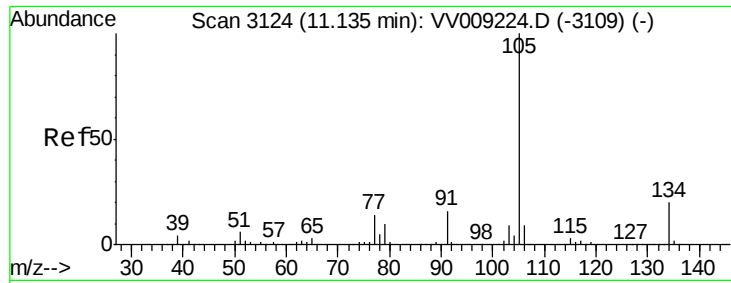
MMDadoda
 1/21/2019 10:45:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.000 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	258002		
120	44.4		22.2	66.6





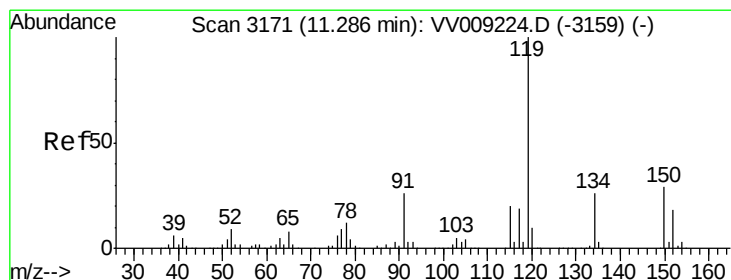
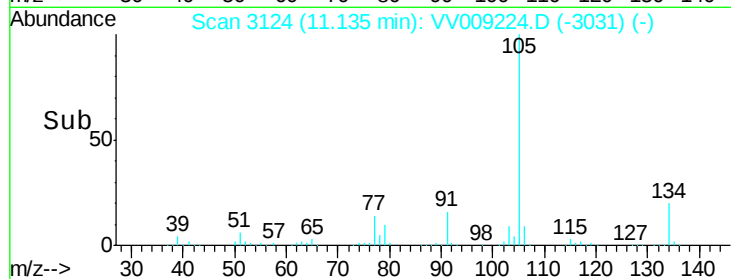
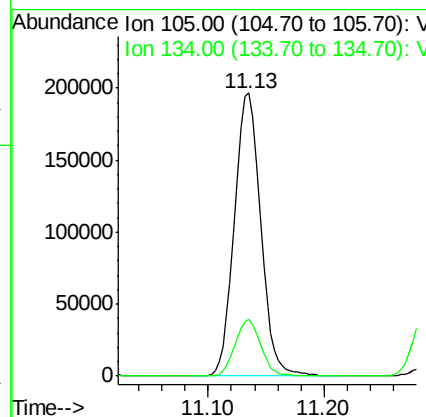
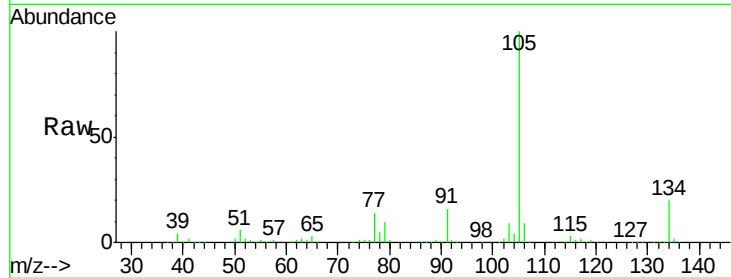
#85
 sec-Butylbenzene
 Concen: 50.000 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 307235
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5

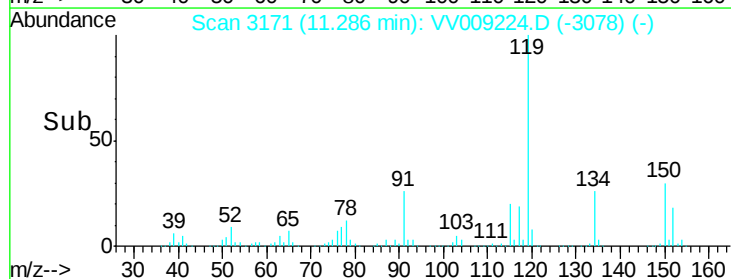
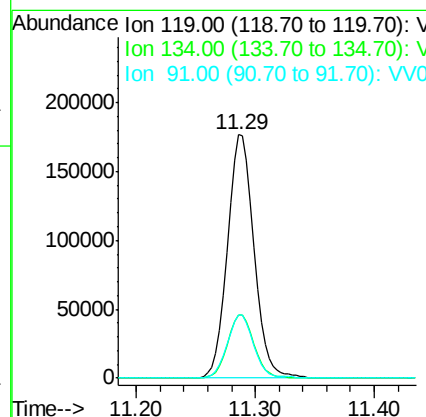
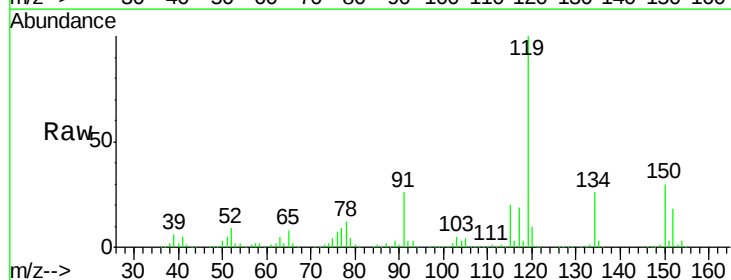
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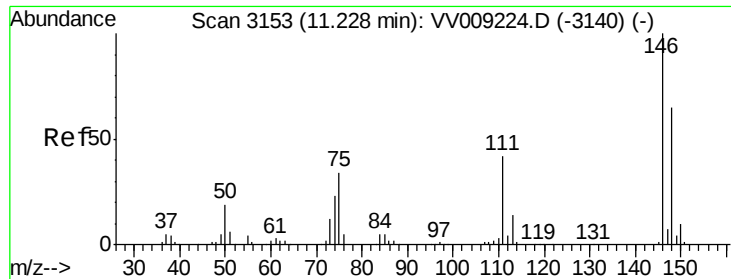
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 50.000 ug/l
 RT: 11.29 min Scan# 3171
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Tgt Ion:119 Resp: 273092
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 25.8 12.9 38.7





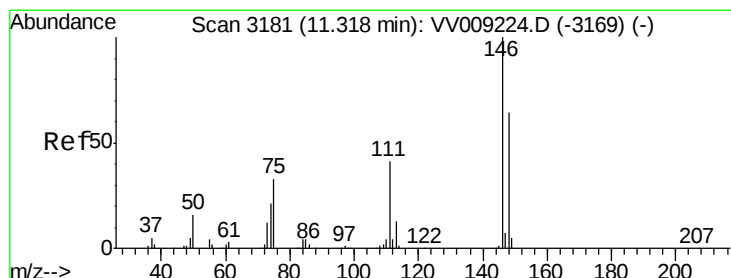
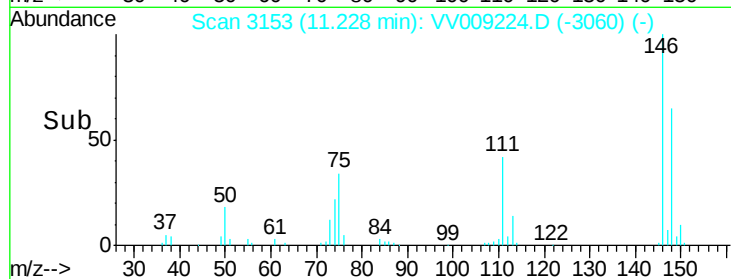
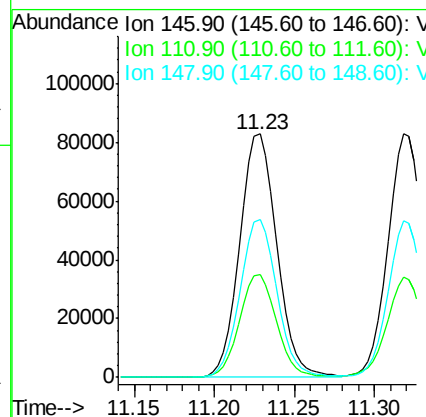
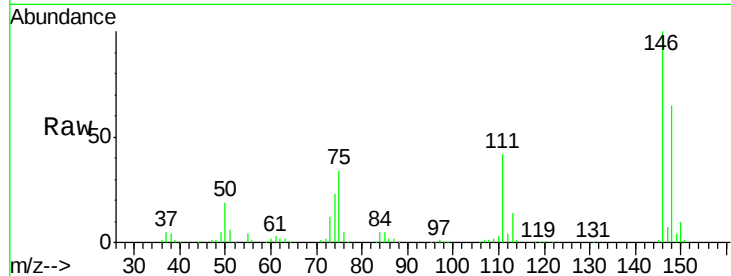
#87
 1,3-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	64.4	32.2	96.6

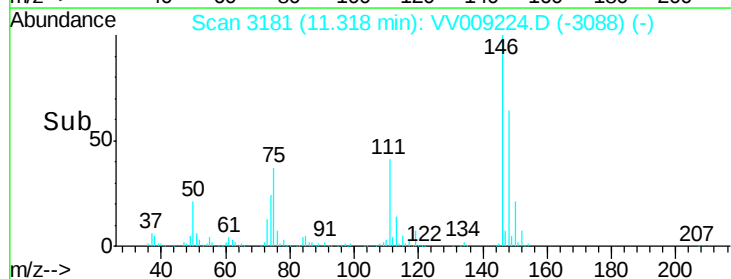
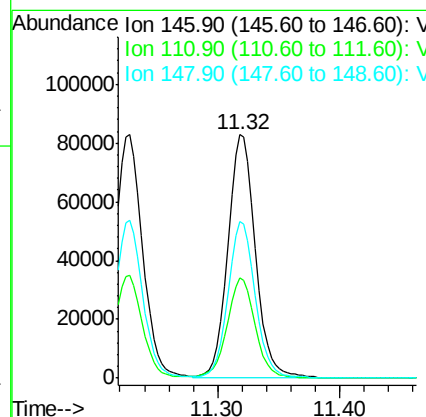
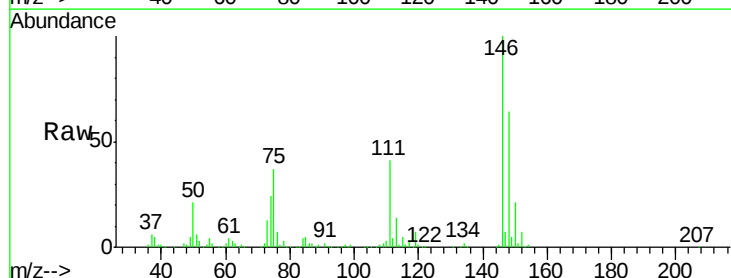
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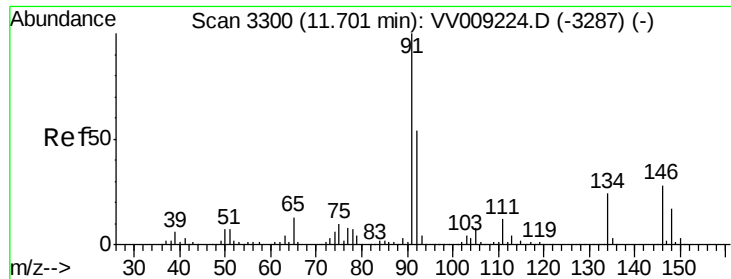
MMDadoda
 1/21/2019 10:45:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.5	31.8	95.3





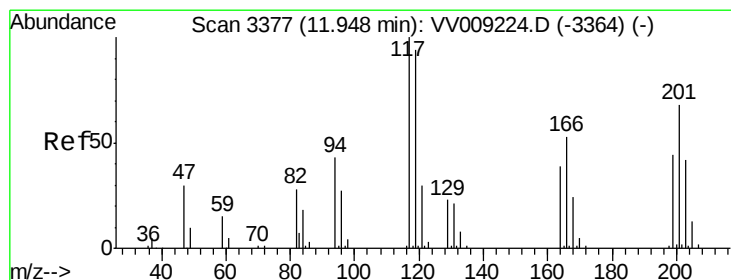
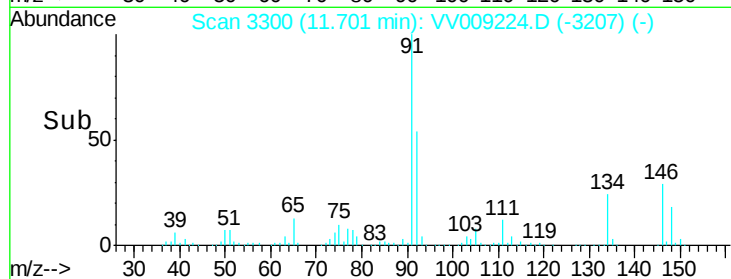
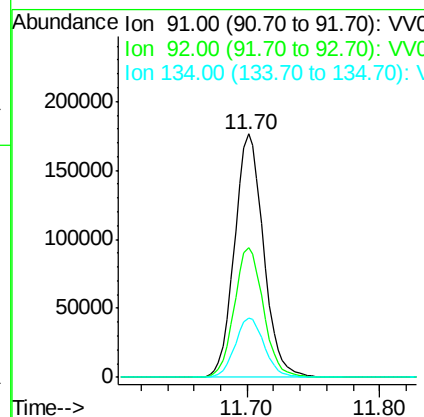
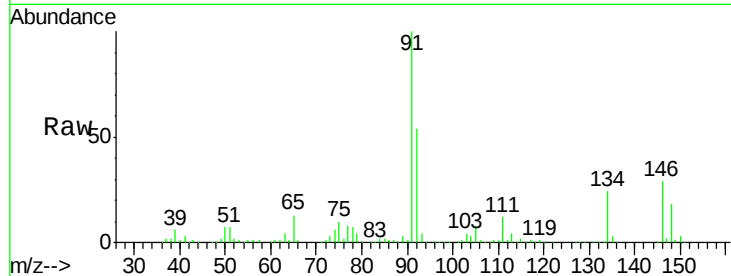
#89
n-Butylbenzene
Concen: 50.000 ug/l
RT: 11.70 min Scan# 3300
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	24.7	12.4	37.0

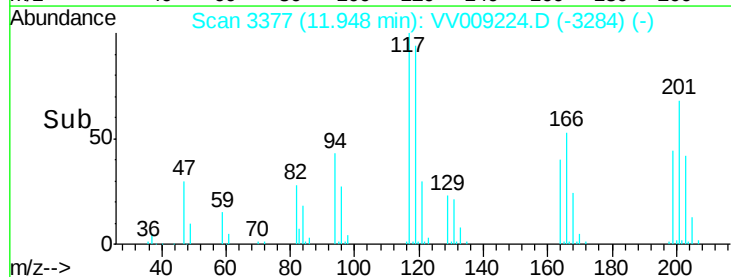
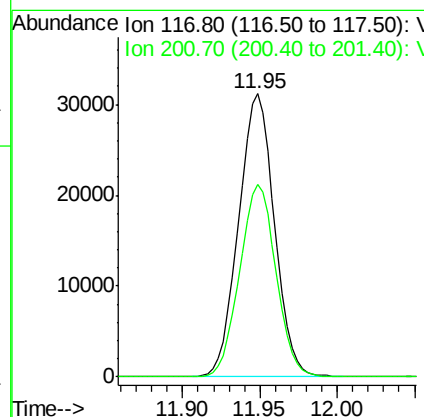
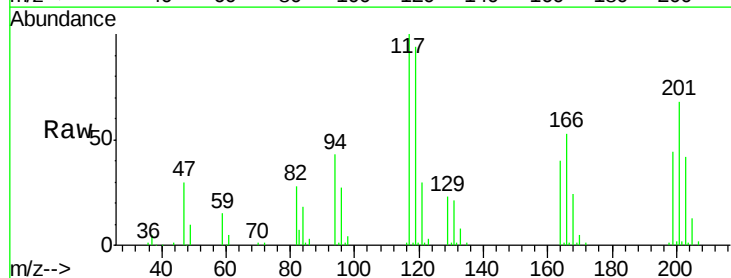
Manual Integrations
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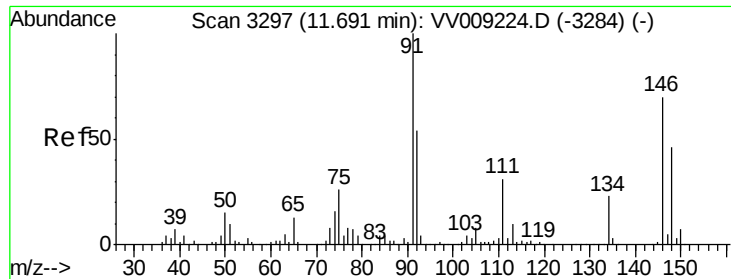
MMDadoda
1/21/2019 10:45:27 AM



#90
Hexachloroethane
Concen: 50.000 ug/l
RT: 11.95 min Scan# 3377
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.8	34.4	103.2





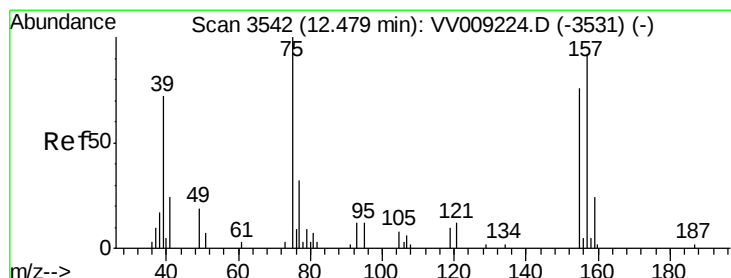
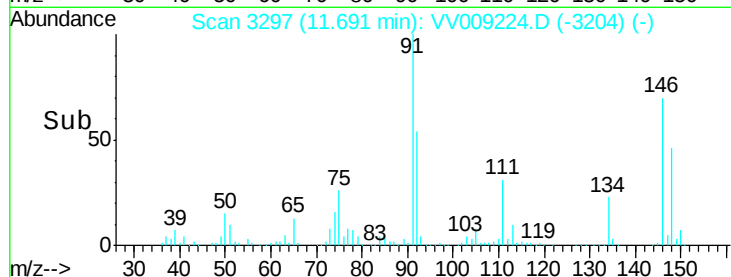
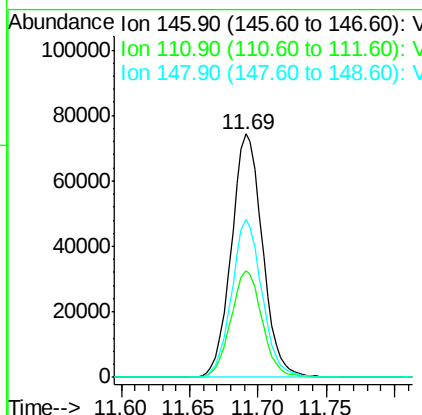
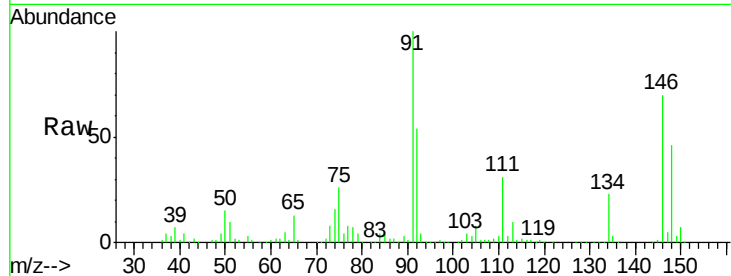
#91
 1,2-Dichlorobenzene
 Concen: 50.000 ug/l
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	63.5	31.8	95.3

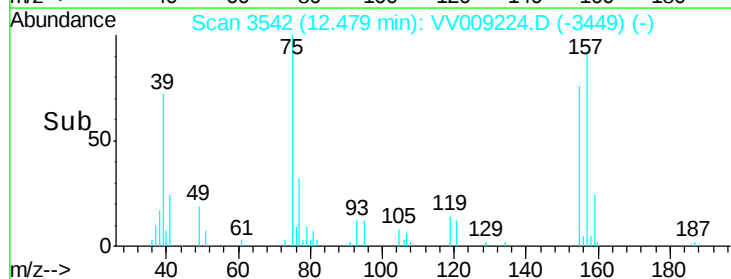
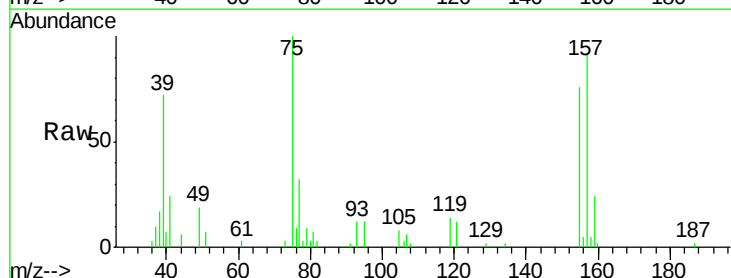
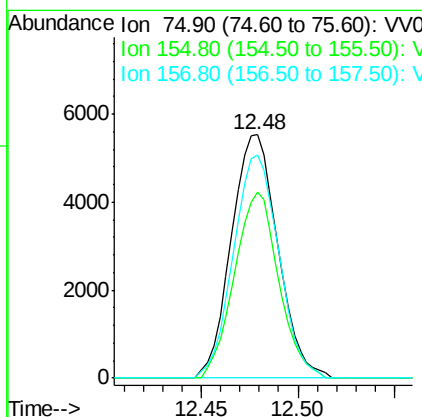
Manual Integrations
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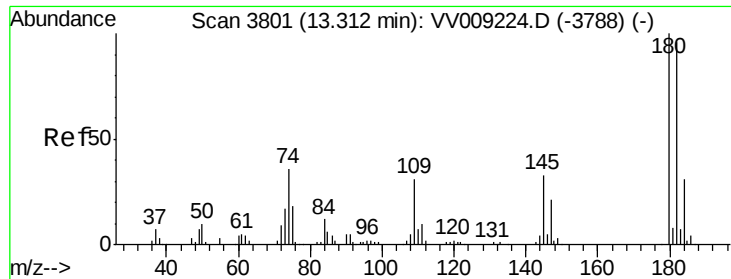
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.000 ug/l
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009224.D
 Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	36.4	109.1
157	89.7	44.9	134.5





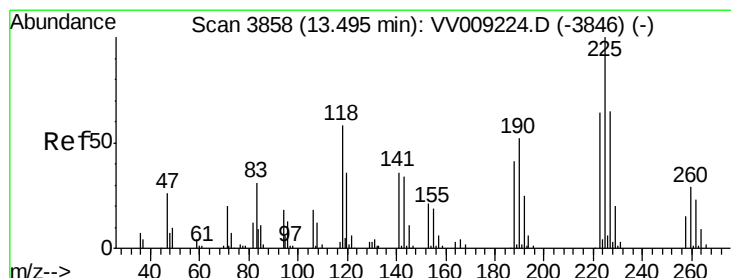
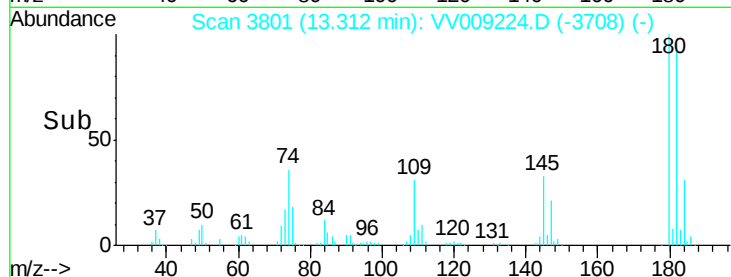
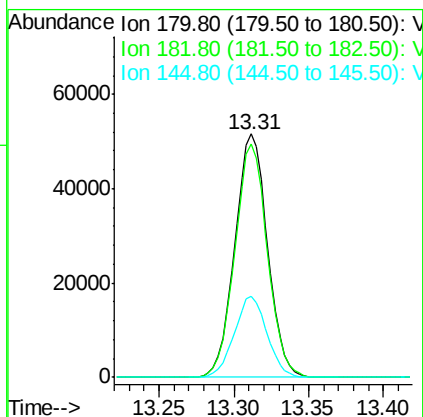
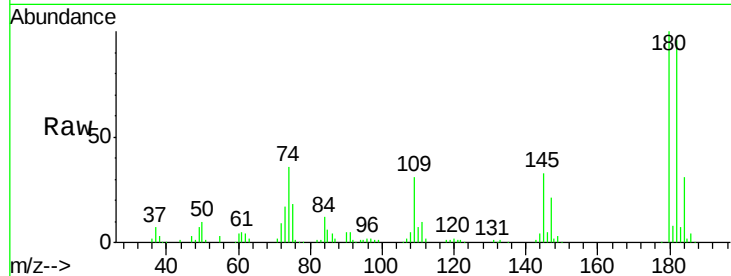
#93
1,2,4-Trichlorobenzene
Concen: 50.000 ug/l
RT: 13.31 min Scan# 3801
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	33.3	16.7	50.0

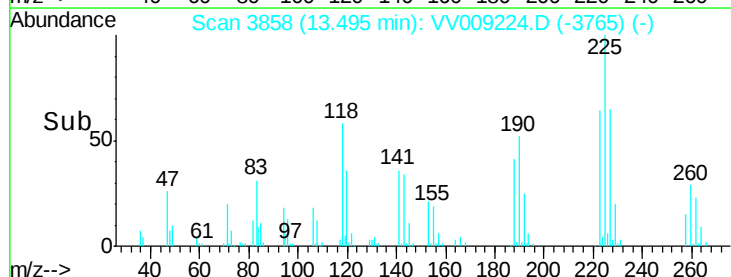
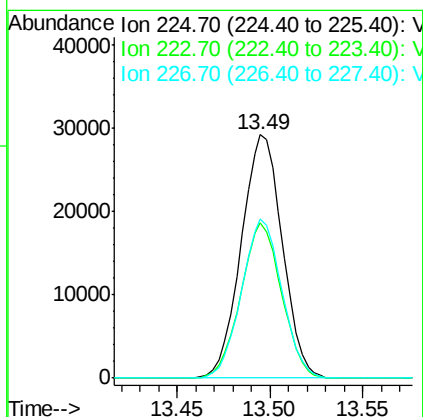
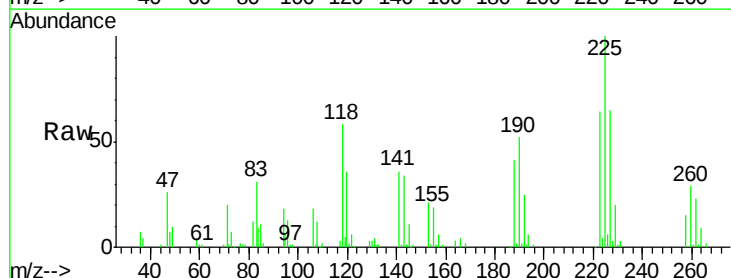
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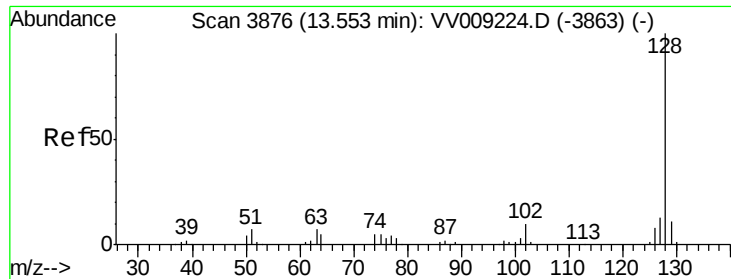
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#94
Hexachlorobutadiene
Concen: 50.000 ug/l
RT: 13.49 min Scan# 3858
Delta R.T. 0.00 min
Lab File: VV009224.D
Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.5	94.5
227	64.2	32.1	96.3





#95

Naphthalene

Concen: 50.000 ug/l

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Instrument :

MSVOA_V

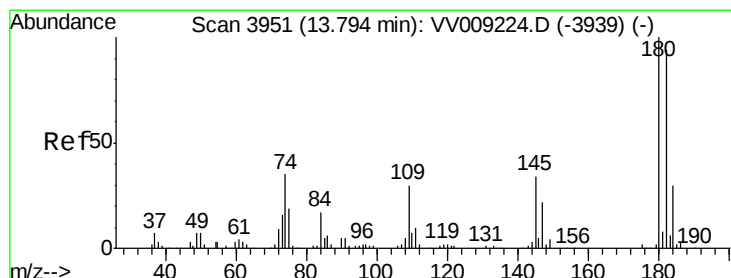
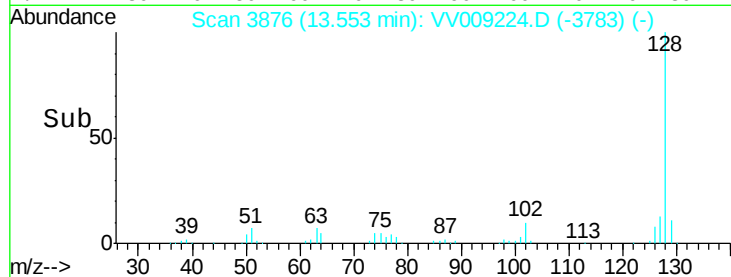
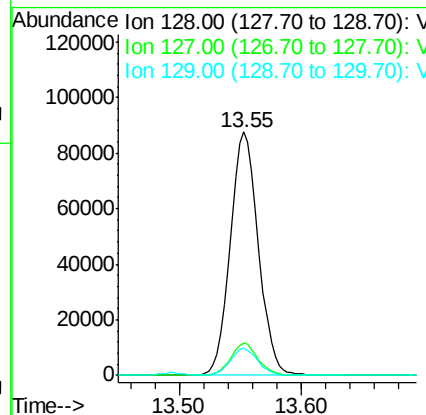
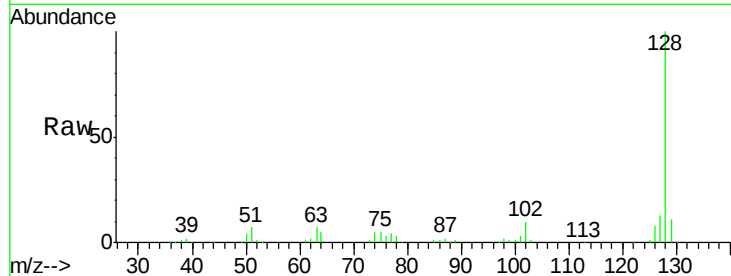
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.000 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009224.D

Acq: 18 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.7	140.1
145	34.0	17.0	51.0

