

Data File : VV013467.D
Acq On : 01 Nov 2019 14:30
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:27 PM

Quant Time: Nov 02 03:20:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 02 04:17:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	647579	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	616504	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	305995	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	258665	28.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.48%
7) Chloroethane-d5	1.58	69	193170	29.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.12%
10) 1,1-Dichloroethene-d2	2.13	63	329804	20.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.20%
20) 2-Butanone-d5	3.95	46	234465	54.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.62%
24) Chloroform-d	4.39	84	469230	25.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.32%
26) 1,2-Dichloroethane-d4	5.08	65	281558	26.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.28%
29) Benzene-d6	5.09	84	988912	27.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.28%
33) 1,2-Dichloropropane-d6	6.11	67	299083	27.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.32%
37) Toluene-d8	7.35	98	882201	27.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.80%
38) trans-1,3-Dichloropropene-	7.66	79	122482	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.08%
39) 2-Hexanone-d5	8.13	63	121007	51.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	264394	26.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	337094	28.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11850	1.173 ug/L	91
3) Chloromethane	1.25	50	11233	1.091 ug/L	100
5) Vinyl chloride	1.32	62	11693	1.160 ug/L #	30
6) Bromomethane	1.53	94	5436	1.147 ug/L	89
8) Chloroethane	1.60	64	4962	0.887 ug/L	95
9) Trichlorofluoromethane	1.77	101	13773	0.998 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	12151m	1.475 ug/L	
12) 1,1-Dichloroethene	2.14	96	10573m	1.358 ug/L	
13) Acetone	2.21	43	18777	3.755 ug/L	100
14) Carbon disulfide	2.32	76	29530	0.978 ug/L #	93
15) Methyl Acetate	2.47	43	8421m	1.119 ug/L	
16) Methylene chloride	2.53	84	27252	2.261 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	23233	0.909 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	10281	0.990 ug/L	92
19) 1,1-Dichloroethane	3.23	63	18630	0.984 ug/L	98
21) 2-Butanone	4.05	43	13041m	2.529 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	9215	0.844 ug/L #	66

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	4879	0.932	ug/L #	87
25) Chloroform	4.42	83	34604	1.786	ug/L	84
27) 1,2-Dichloroethane	5.18	62	12306	0.915	ug/L	98
30) Cyclohexane	4.72	56	16892	1.015	ug/L	94
31) 1,1,1-Trichloroethane	4.65	97	16161	1.033	ug/L	94
32) Carbon tetrachloride	4.87	117	13520m	0.970	ug/L	
34) Benzene	5.14	78	39213	0.970	ug/L	100
35) Trichloroethene	5.96	95	11967	1.096	ug/L	98
36) Methylcyclohexane	6.17	83	16268	0.952	ug/L	98
40) 1,2-Dichloropropane	6.22	63	10402	1.021	ug/L #	89
41) Bromodichloromethane	6.55	83	12107	0.924	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	12510	0.828	ug/L	94
43) 4-Methyl-2-pentanone	7.28	43	20621	2.193	ug/L	95
44) Toluene	7.43	91	44576	1.079	ug/L	95
45) trans-1,3-Dichloropropene	7.69	75	11570	0.894	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	8704	1.067	ug/L	87
47) Tetrachloroethene	8.02	164	10050	1.086	ug/L	86
49) 2-Hexanone	8.18	43	27746	4.054	ug/L #	86
50) Dibromochloromethane	8.29	129	9007	0.923	ug/L	91
51) 1,2-Dibromoethane	8.40	107	8320	0.986	ug/L #	96
52) Chlorobenzene	8.92	112	26613	0.952	ug/L	92
53) Ethylbenzene	9.05	91	41270	0.906	ug/L	96
54) m,p-Xylene	9.18	106	16636	0.971	ug/L	87
55) o-xylene	9.59	106	14772	0.912	ug/L	92
56) Styrene	9.60	104	22843	0.813	ug/L	100
57) Isopropylbenzene	9.97	105	36429	0.834	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.28	83	11085	1.059	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	9248	1.054	ug/L	95
62) Bromoform	9.77	173	5825	0.961	ug/L #	97
63) 1,3-Dichlorobenzene	11.22	146	23117	1.094	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	25531	1.182	ug/L	95
65) 1,2-Dichlorobenzene	11.68	146	23574	1.201	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	2377	1.316	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	19001	1.137	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	16623	1.167	ug/L	94
69) Naphthalene	13.55	128	27743	1.007	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	14272	1.071	ug/L #	96

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

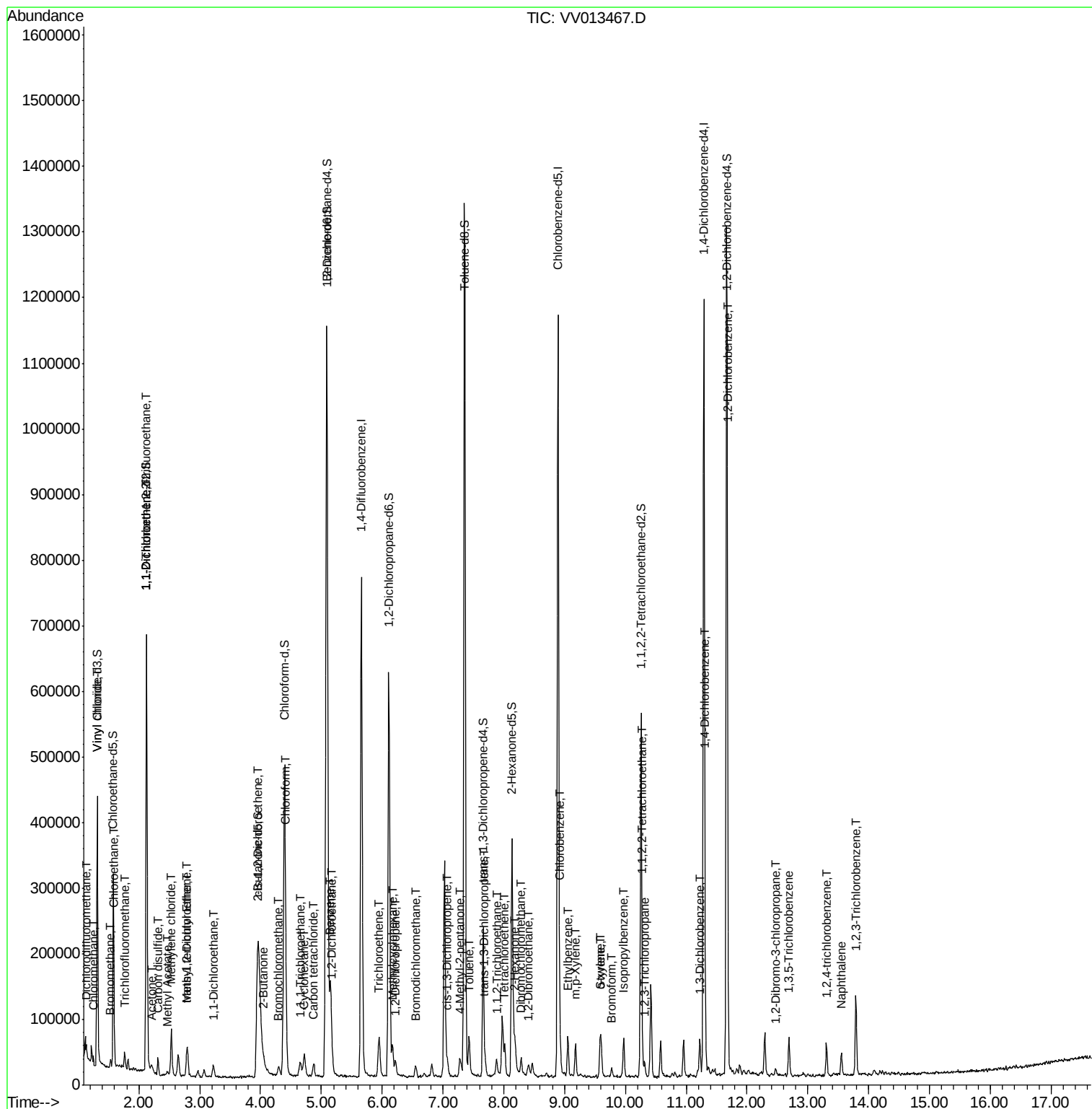
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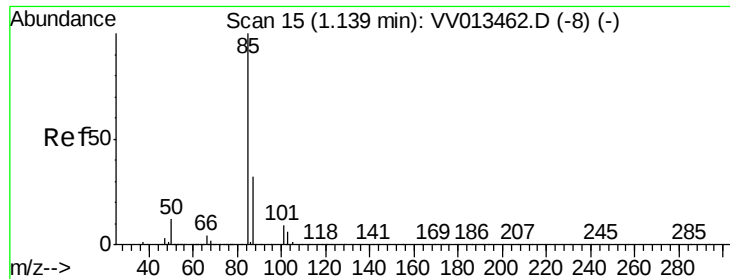
Instrument :
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#2

Dichlorodifluoromethane

Concen: 1.173 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 85 Resp: 11850

Ion Ratio Lower Upper

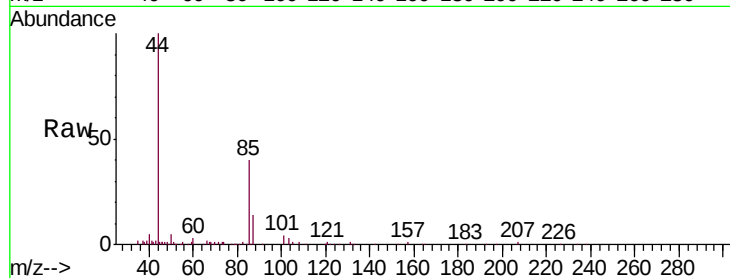
85 100

87 36.4 22.2 41.2

Manual Integrations
APPROVED

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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

12000

10000

8000

6000

4000

2000

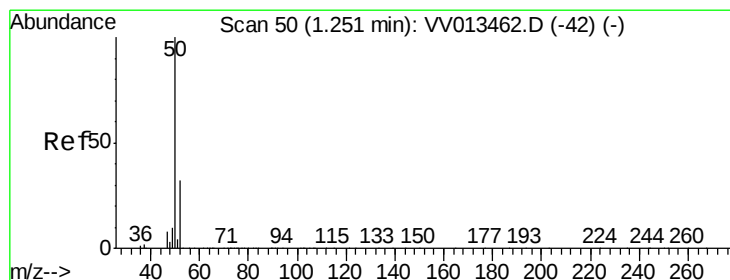
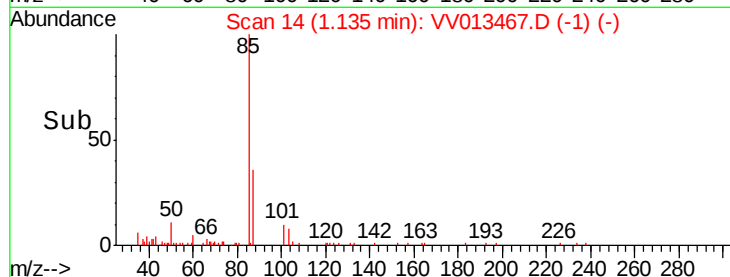
0

1.10

1.14

1.15

Time-->



#3

Chloromethane

Concen: 1.091 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013467.D

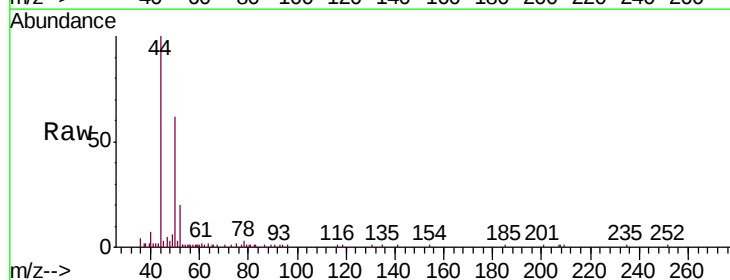
Acq: 01 Nov 2019 14:30

Tgt Ion: 50 Resp: 11233

Ion Ratio Lower Upper

50 100

52 31.6 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

12000

10000

8000

6000

4000

2000

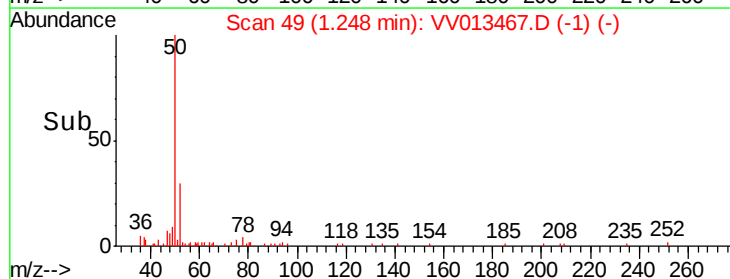
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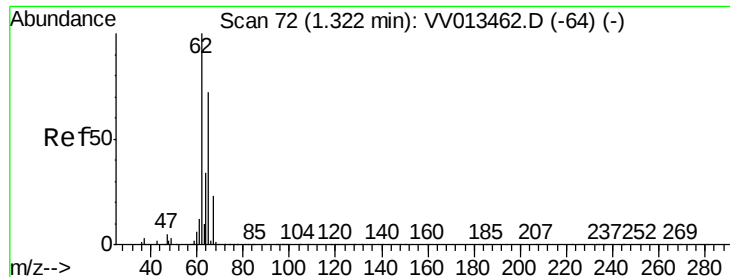
1.20

1.25

1.30

Time-->





#5

Vinyl chloride

Concen: 1.160 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 62 Resp: 11693

Ion Ratio Lower Upper

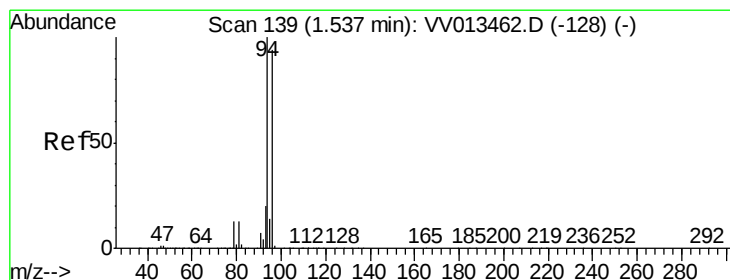
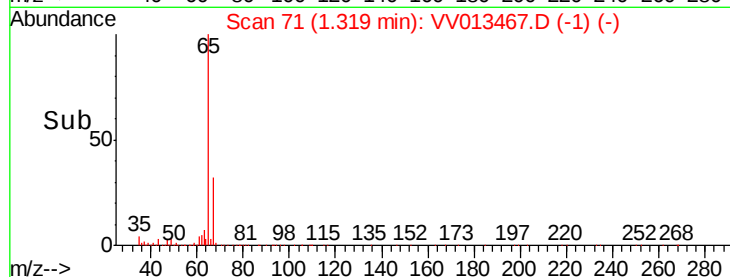
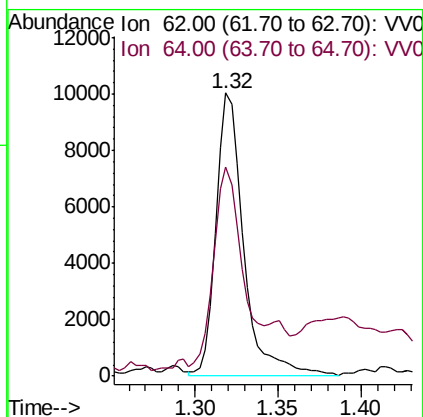
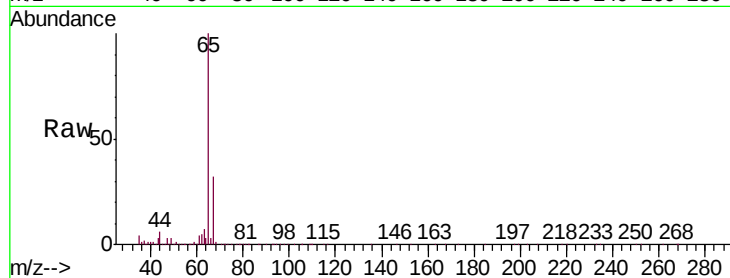
62 100

64 73.8 23.8 44.2#

Manual Integrations
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#6

Bromomethane

Concen: 1.147 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013467.D

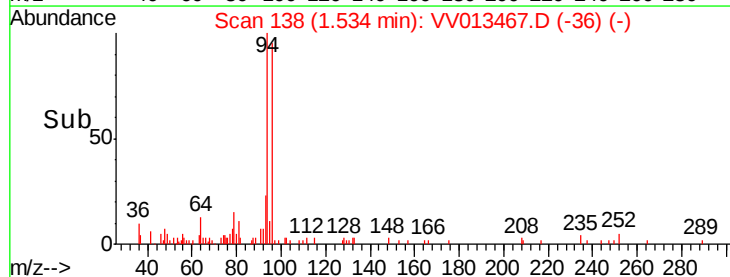
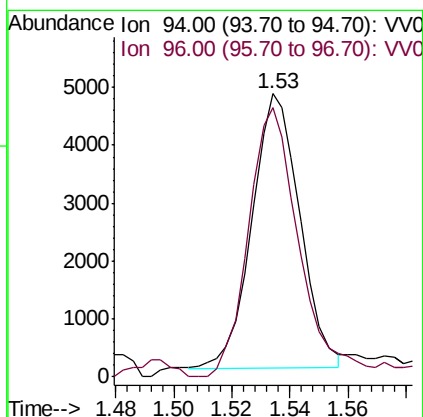
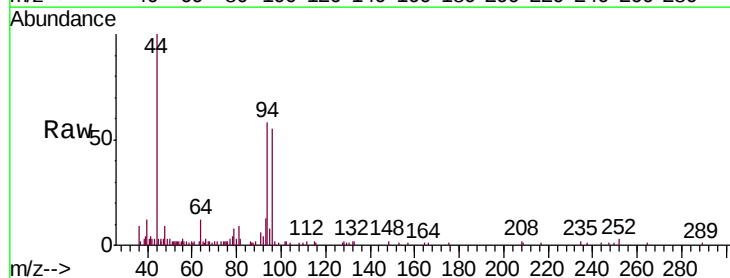
Acq: 01 Nov 2019 14:30

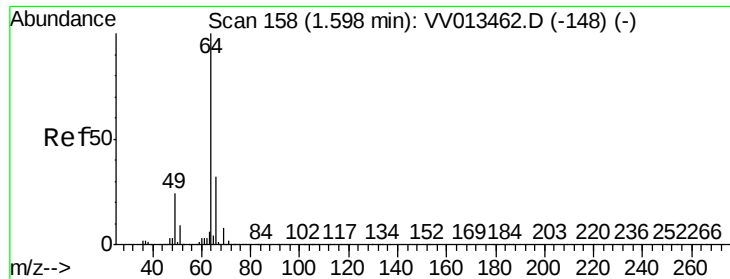
Tgt Ion: 94 Resp: 5436

Ion Ratio Lower Upper

94 100

96 104.2 9.4 177.8





#8

Chloroethane

Concen: 0.887 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 64 Resp: 4962

Ion Ratio Lower Upper

64 100

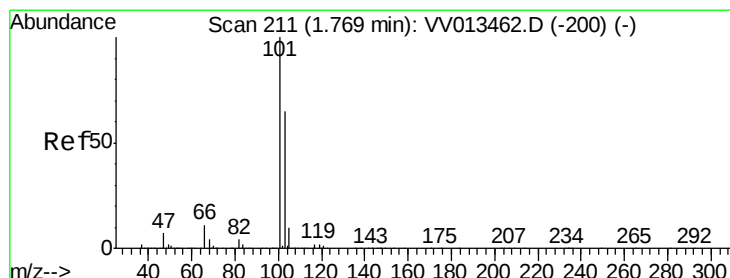
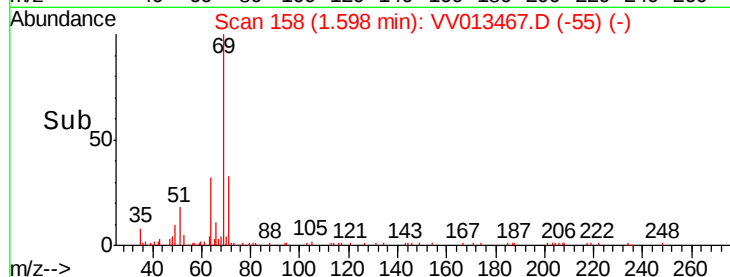
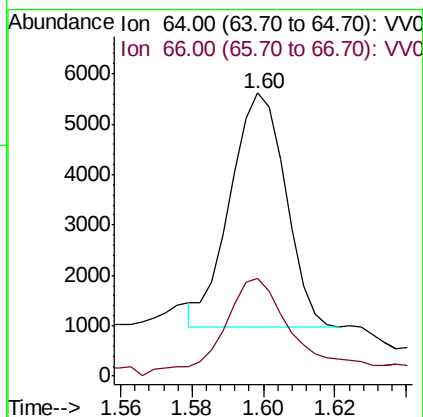
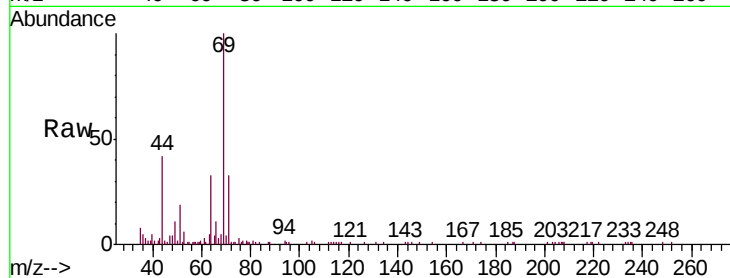
66 34.5 22.3 41.3

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.998 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013467.D

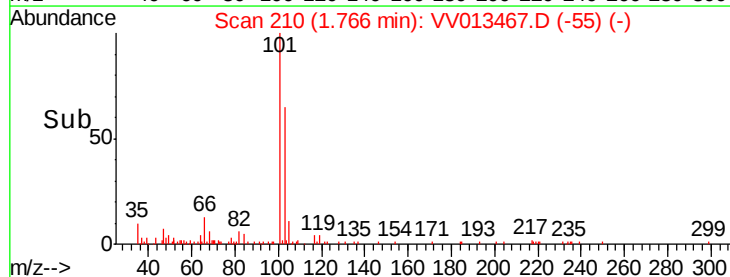
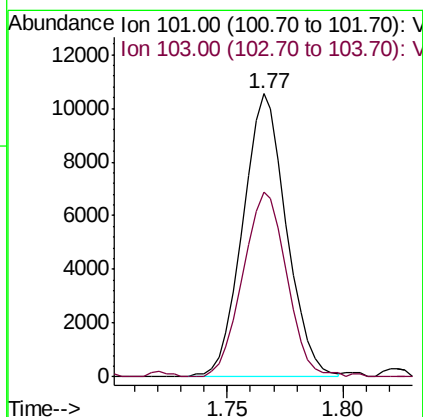
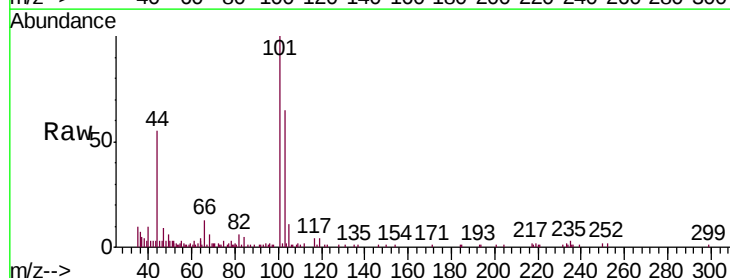
Acq: 01 Nov 2019 14:30

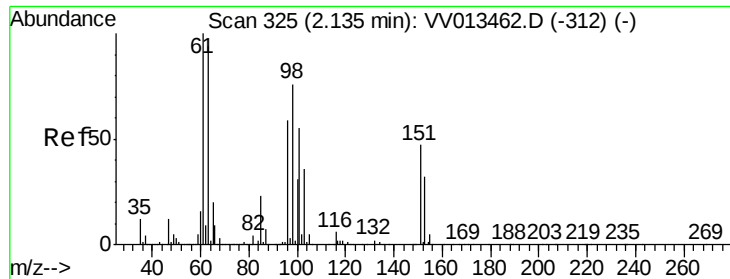
Tgt Ion: 101 Resp: 13773

Ion Ratio Lower Upper

101 100

103 65.1 45.1 83.9





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.475 ug/L m

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

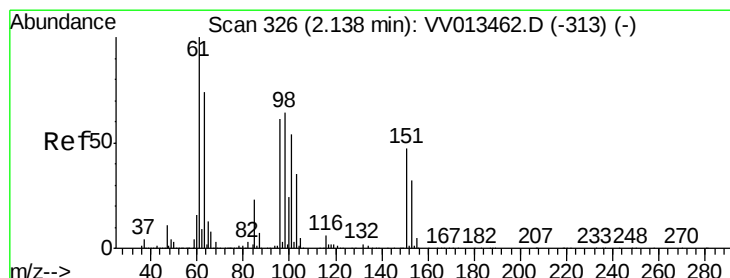
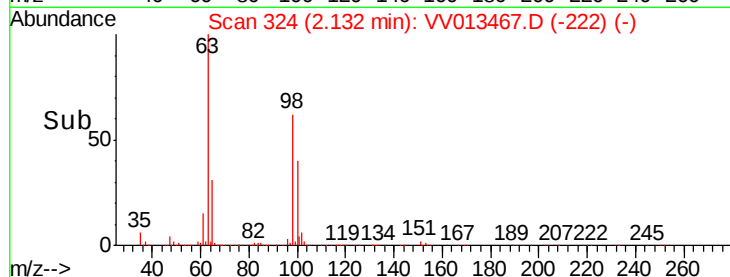
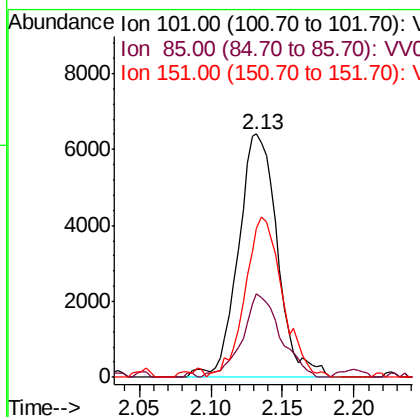
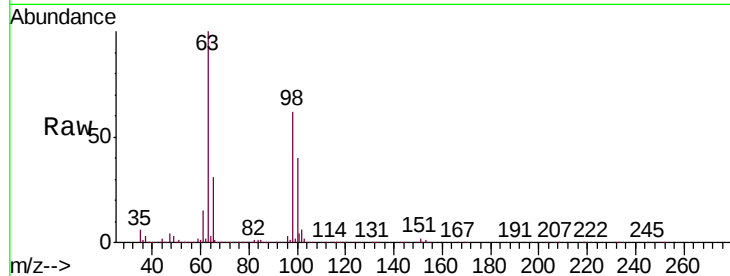
ClientSampleId :

MDL01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	12151		
85	0.4	33.1	49.7#	
151	0.7	68.3	102.5#	

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#12

1,1-Dichloroethene

Concen: 1.358 ug/L m

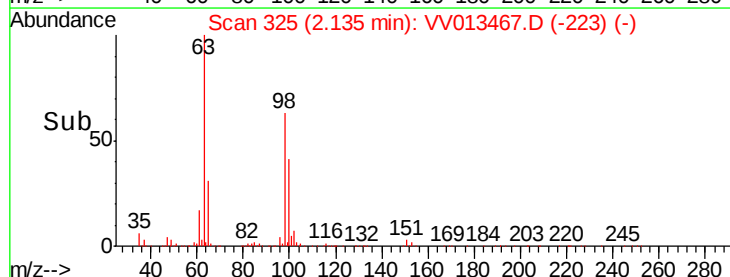
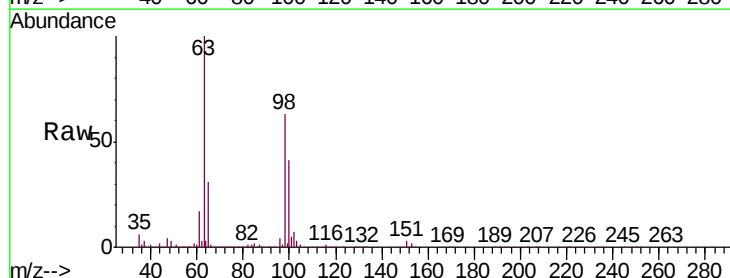
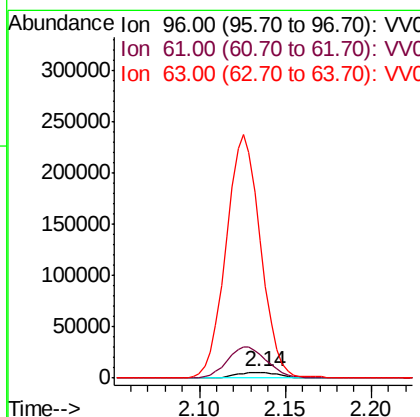
RT: 2.14 min Scan# 325

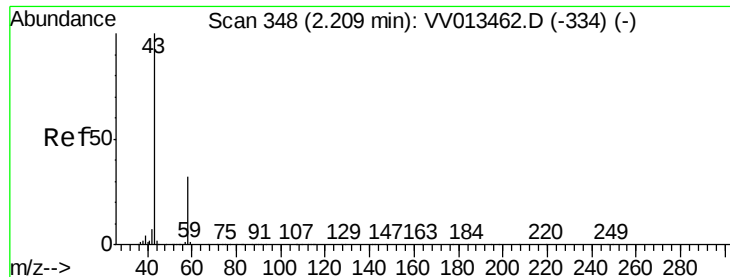
Delta R.T. -0.00 min

Lab File: VV013467.D

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Tgt Ion	Ratio	Resp	Lower	Upper
96	100	10573		
61	377.0	114.7	212.9#	
63	2239.9	84.7	157.3#	





#13

Acetone

Concen: 3.755 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 43 Resp: 18777

Ion Ratio Lower Upper

43 100

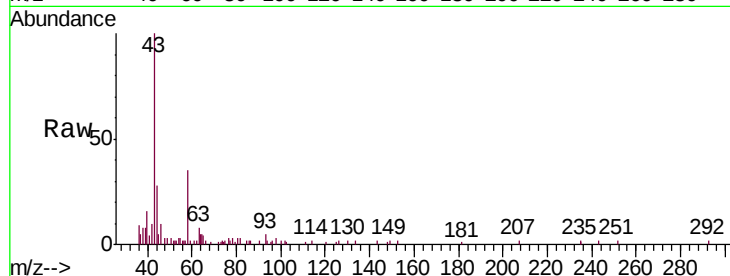
58 31.7 0.0 63.2

Manual Integrations

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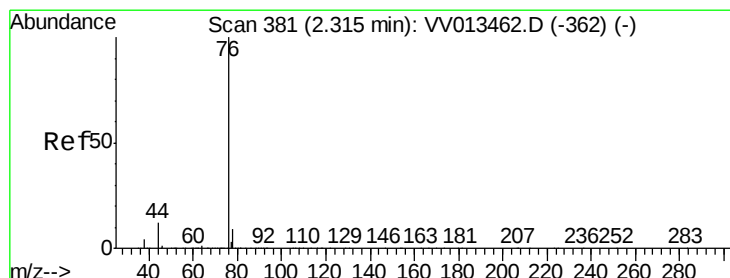
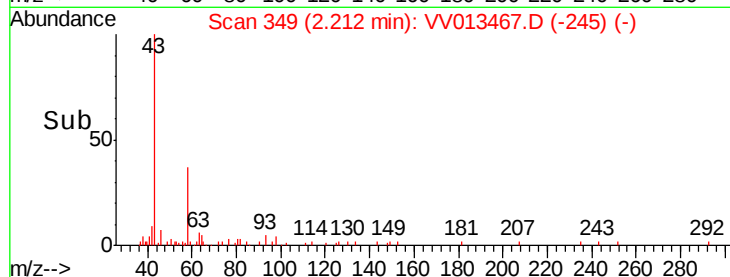
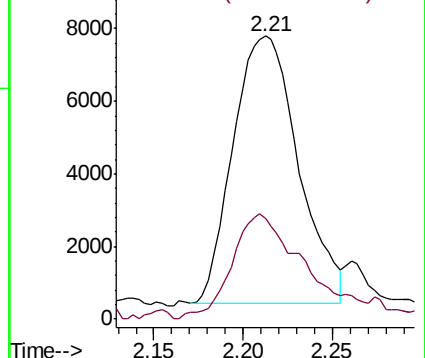
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 0.978 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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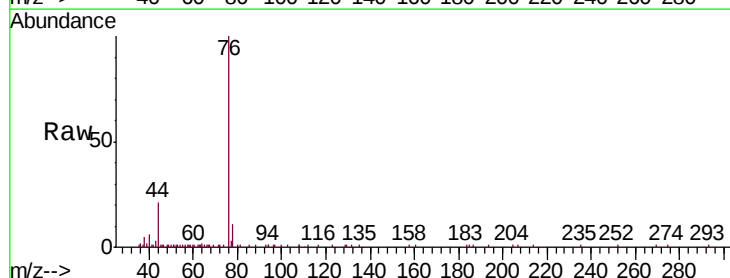
Acq: 01 Nov 2019 14:30

Tgt Ion: 76 Resp: 29530

Ion Ratio Lower Upper

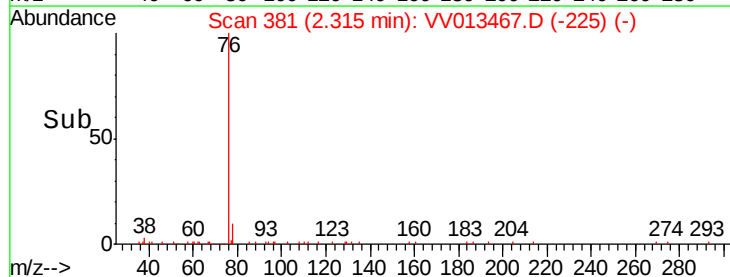
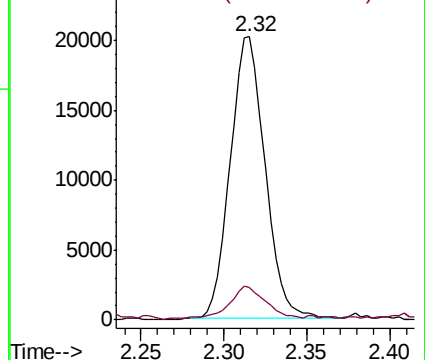
76 100

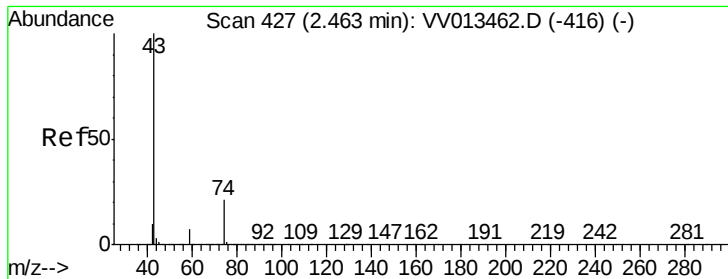
78 11.4 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





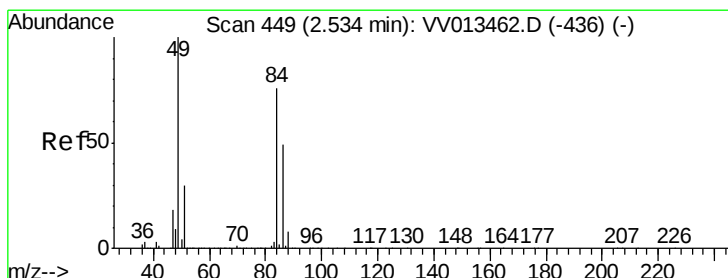
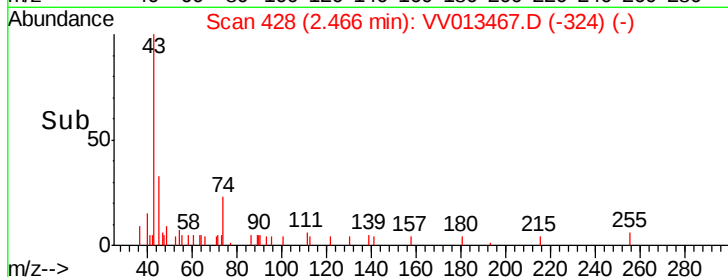
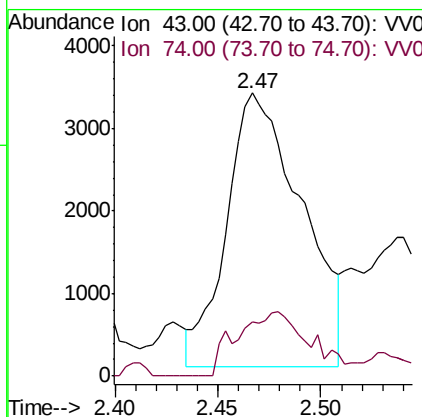
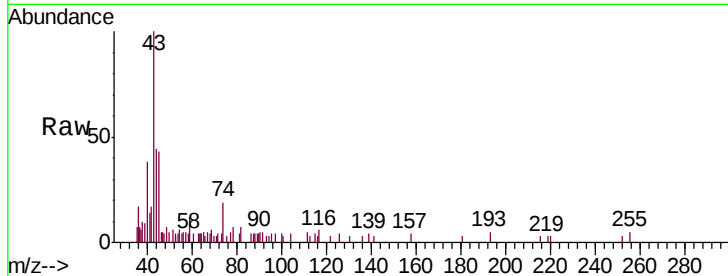
#15
Methyl Acetate
Concen: 1.119 ug/L m
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 43 Resp: 8421
Ion Ratio Lower Upper
43 100
74 2.0 16.9 25.3#

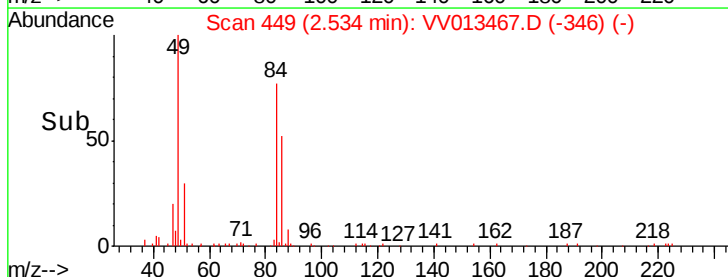
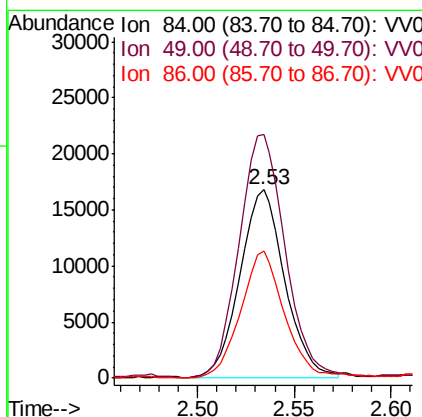
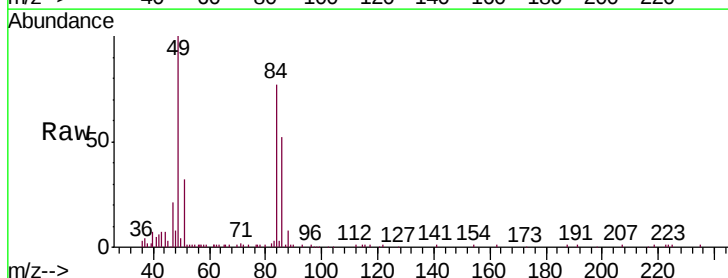
Manual Integrations
APPROVED

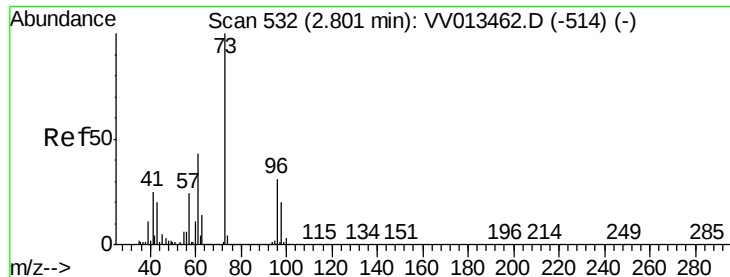
MMDadoda
11/4/2019 12:38:27 PM



#16
Methylene chloride
Concen: 2.261 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion: 84 Resp: 27252
Ion Ratio Lower Upper
84 100
49 129.2 92.4 171.6
86 67.4 45.1 83.7





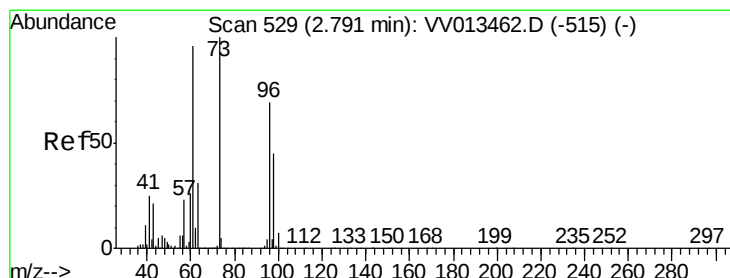
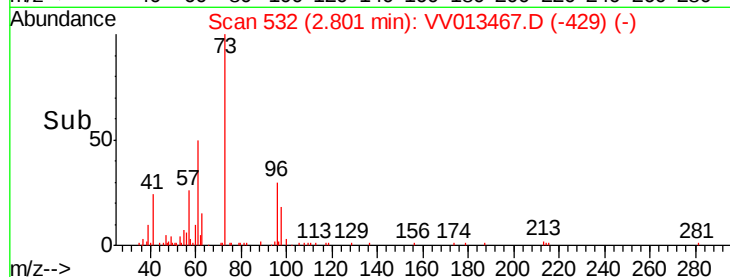
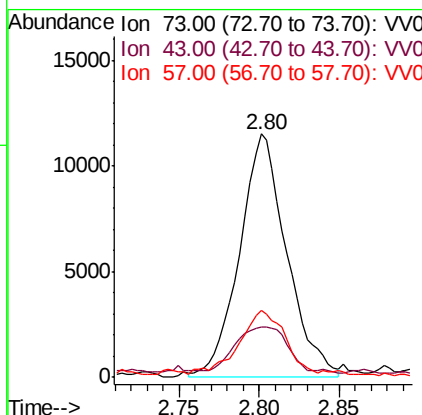
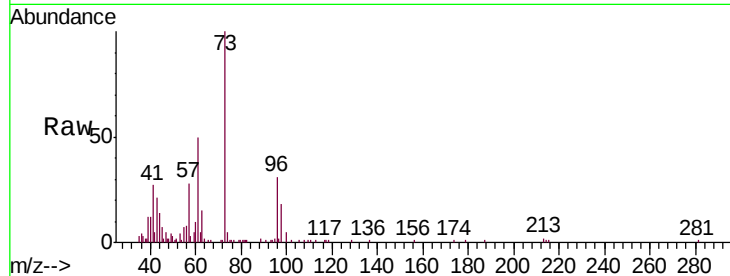
#17
Methyl tert-butyl Ether
Concen: 0.909 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.1	16.2	24.2
57	26.8	18.6	27.8

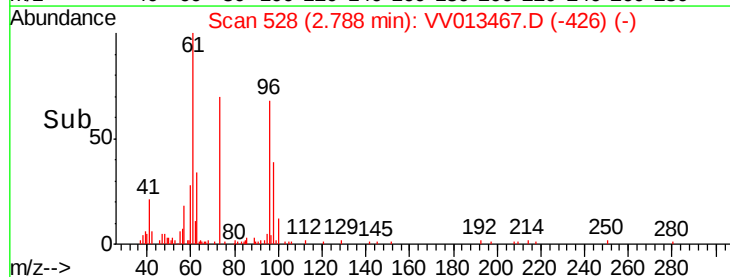
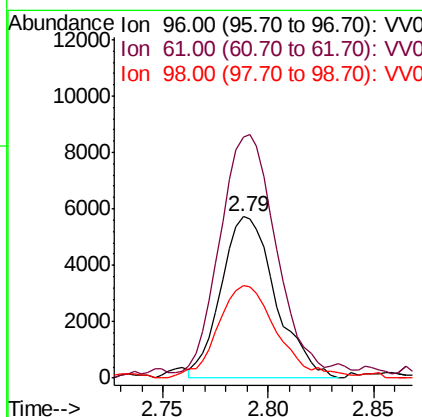
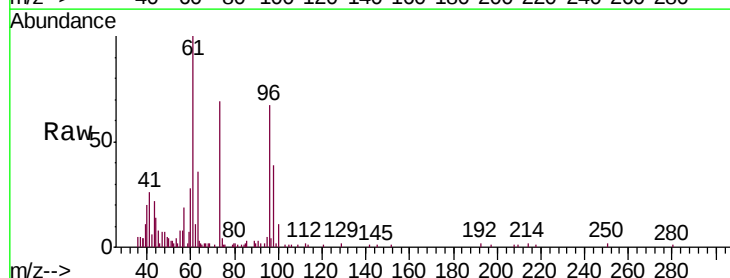
Manual Integrations
APPROVED

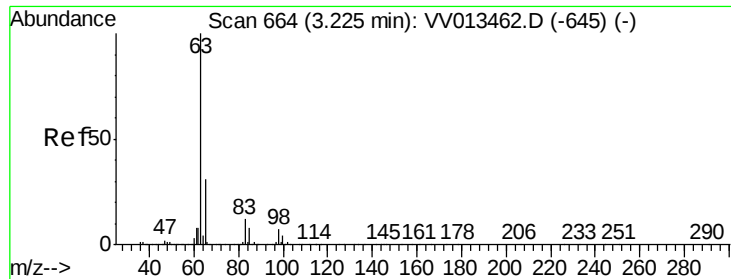
MMDadoda
11/4/2019 12:38:27 PM



#18
trans-1,2-Dichloroethene
Concen: 0.990 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	98.0	182.0
98	57.6	45.6	84.8





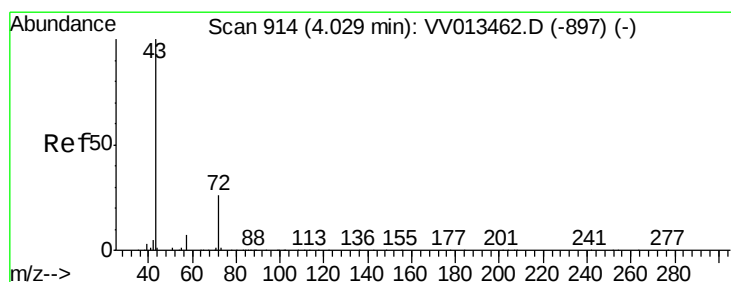
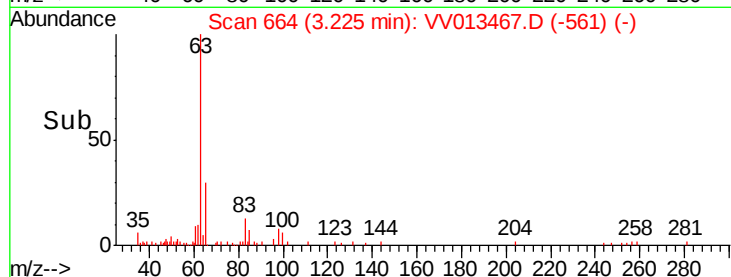
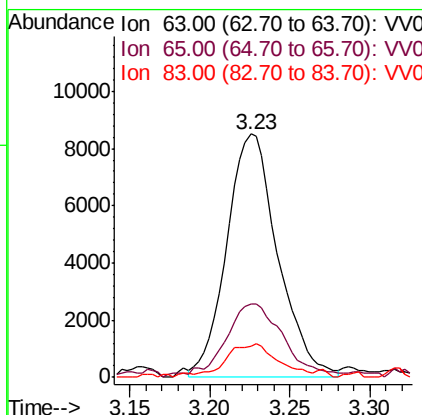
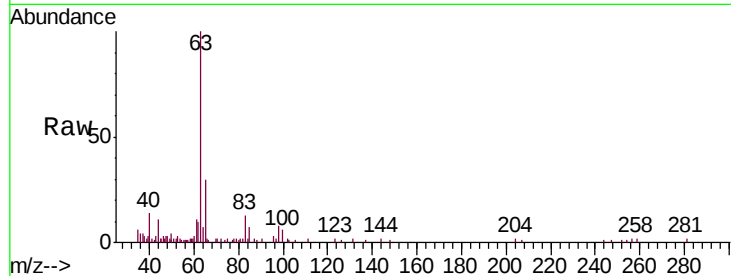
#19
 1,1-Dichloroethane
 Concen: 0.984 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion:	63	Resp:	18630
Ion	Ratio	Lower	Upper
63	100		
65	30.1	21.7	40.3
83	13.0	8.8	16.3

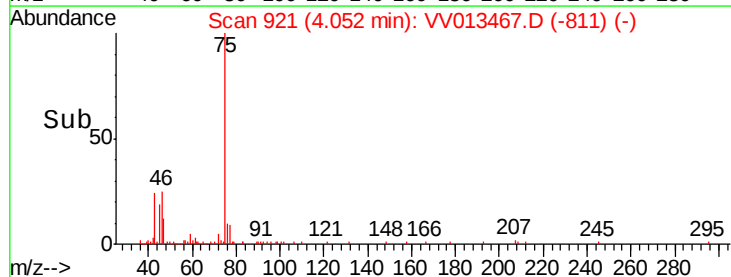
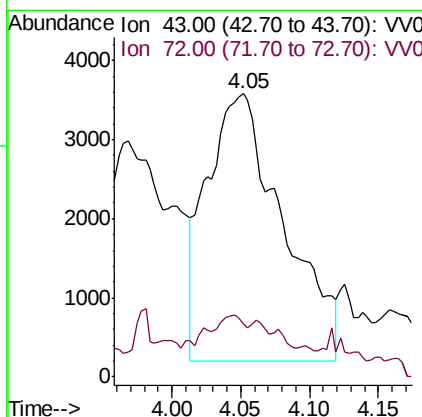
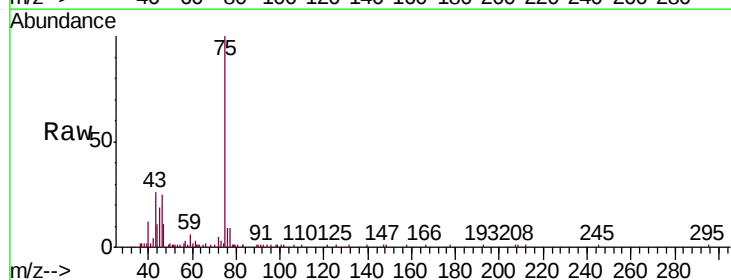
Manual Integrations
 APPROVED

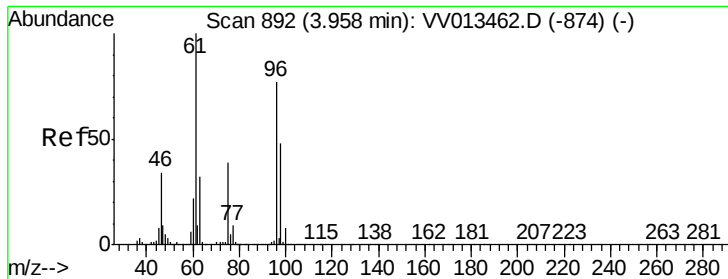
MMDadoda
 11/4/2019 12:38:27 PM



#21
 2-Butanone
 Concen: 2.529 ug/L m
 RT: 4.05 min Scan# 921
 Delta R.T. 0.02 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Tgt Ion:	43	Resp:	13041
Ion	Ratio	Lower	Upper
43	100		
72	2.1	12.1	36.3#





#22

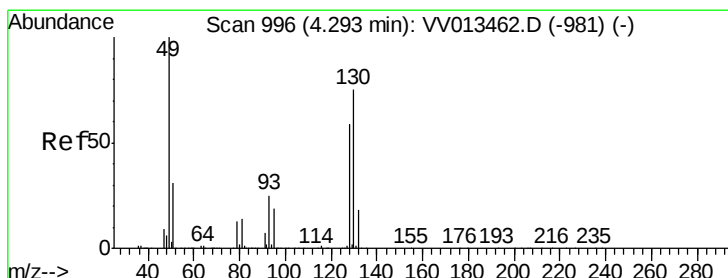
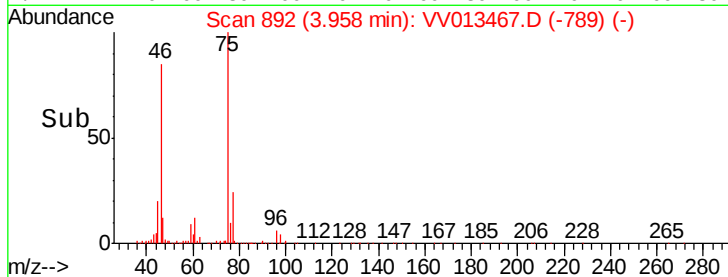
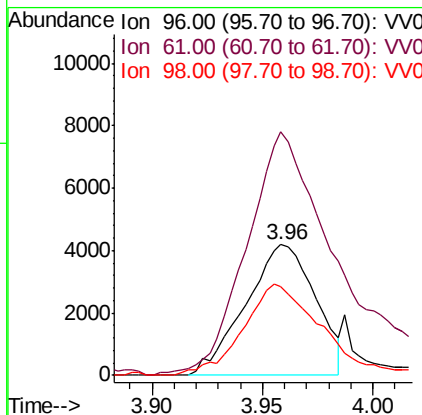
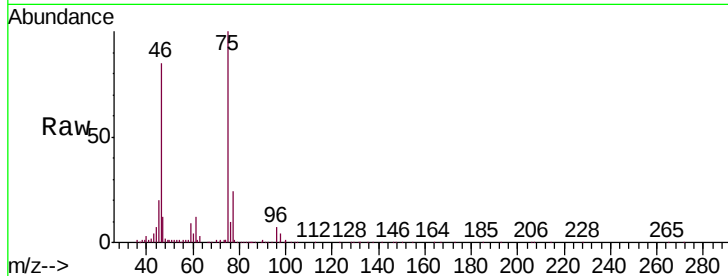
cis-1,2-Dichloroethene
Concen: 0.844 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.1	91.5	169.9#
98	67.9	43.8	81.3

Manual Integrations
APPROVED

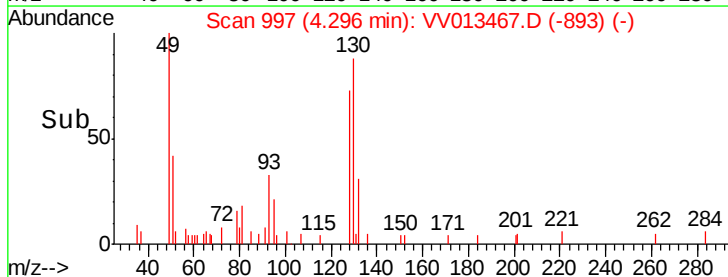
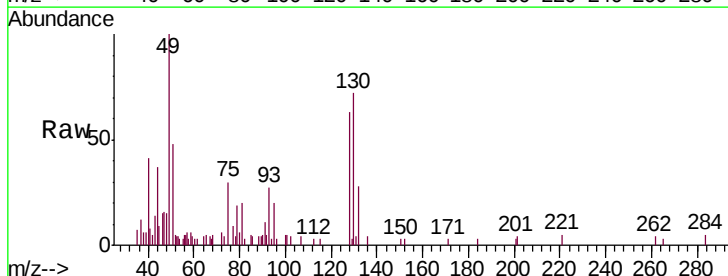
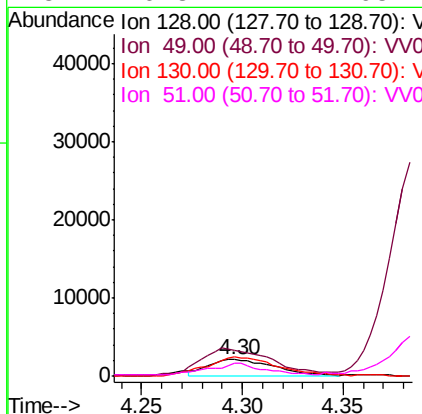
MMDadoda
11/4/2019 12:38:27 PM

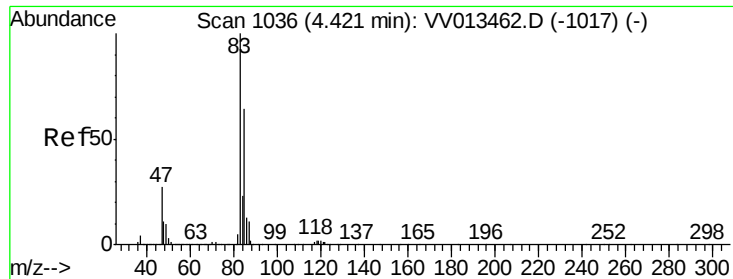


#23

Bromochloromethane
Concen: 0.932 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
128	100		
49	158.4	118.2	219.4
130	113.9	89.0	165.4
51	76.3	42.2	63.4#





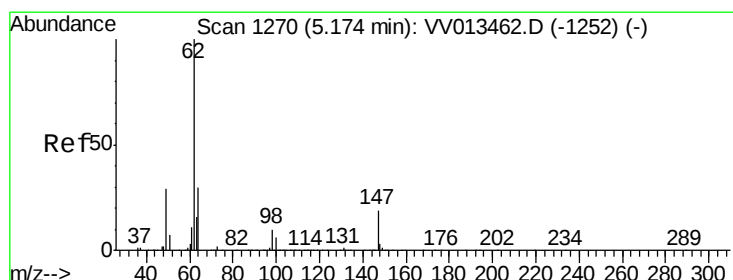
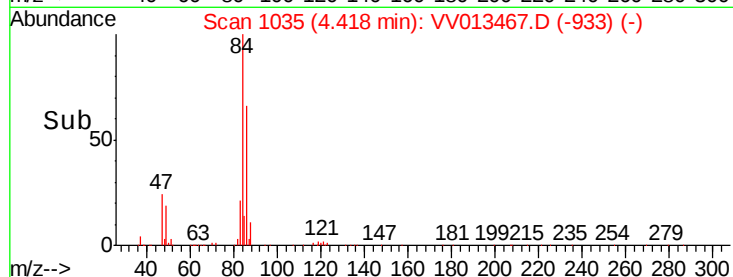
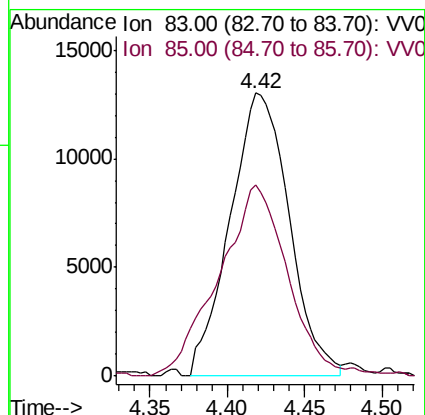
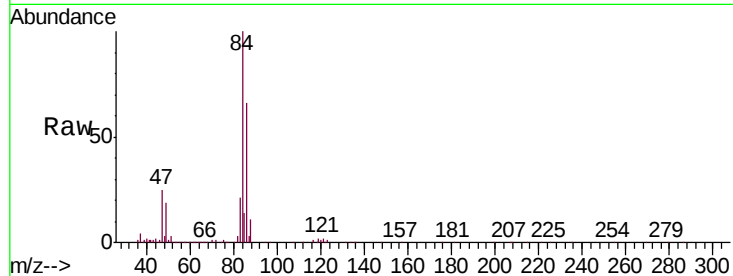
#25
Chloroform
Concen: 1.786 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion: 83 Resp: 34604
Ion Ratio Lower Upper
83 100
85 77.8 45.8 85.0

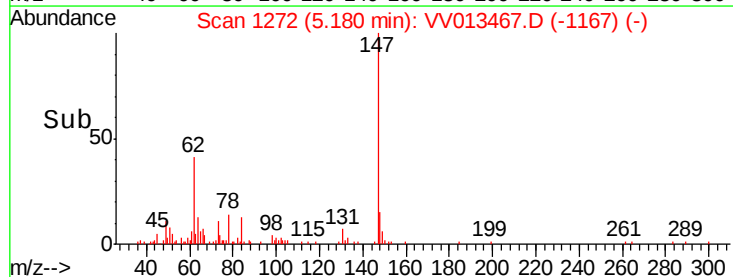
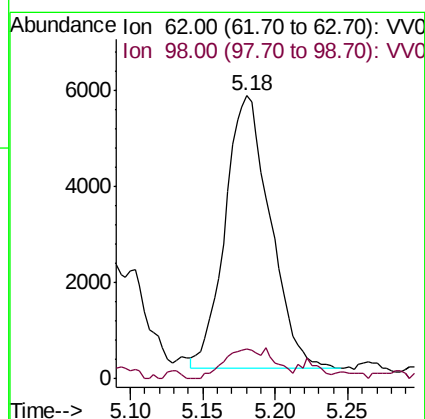
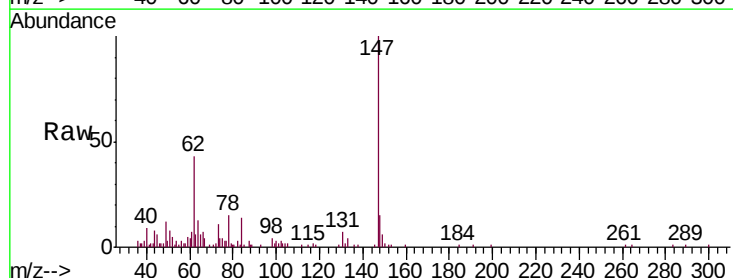
Manual Integrations
APPROVED

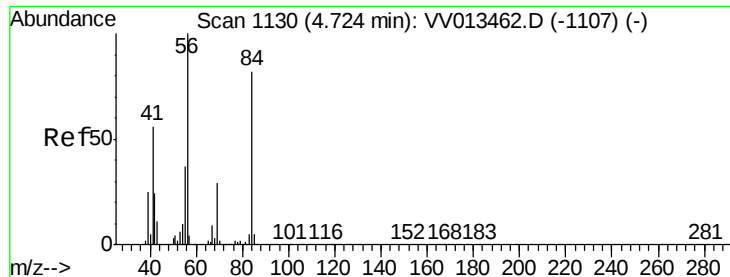
MMDadoda
11/4/2019 12:38:27 PM



#27
1,2-Dichloroethane
Concen: 0.915 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion: 62 Resp: 12306
Ion Ratio Lower Upper
62 100
98 10.4 7.8 11.6





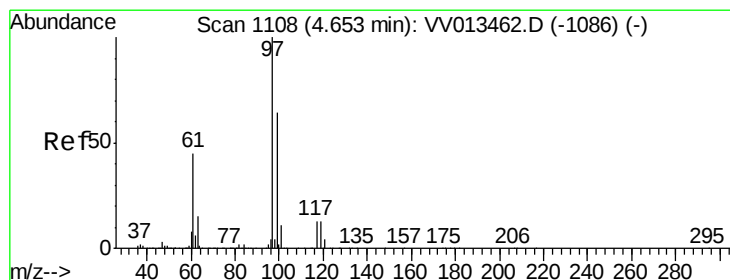
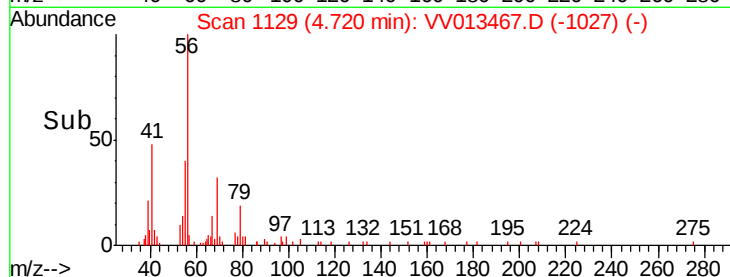
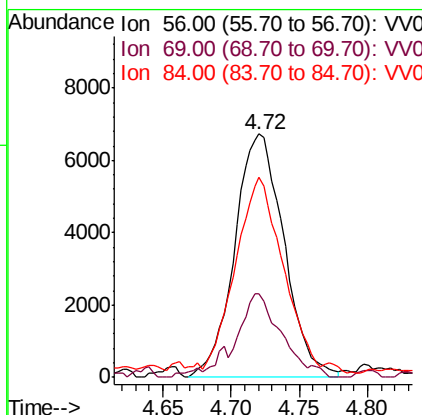
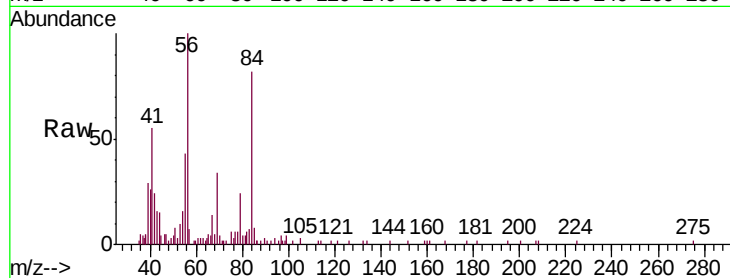
#30
Cyclohexane
Concen: 1.015 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	26.7	23.0	34.6
84	76.7	66.2	99.4

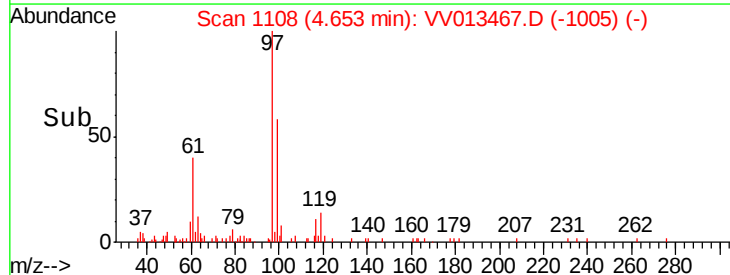
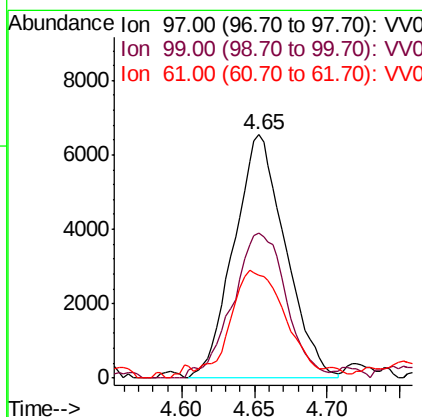
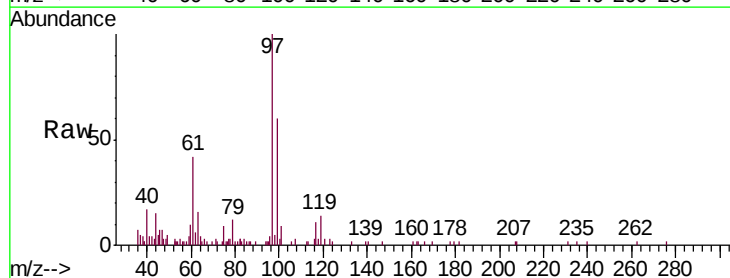
Manual Integrations
APPROVED

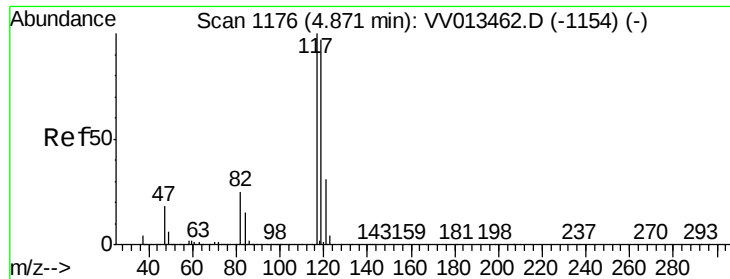
MMDadoda
11/4/2019 12:38:27 PM



#31
1,1,1-Trichloroethane
Concen: 1.033 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.5	51.1	76.7
61	43.1	36.3	54.5





#32

Carbon tetrachloride

Concen: 0.970 ug/L m

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion:117 Resp: 13520

Ion Ratio Lower Upper

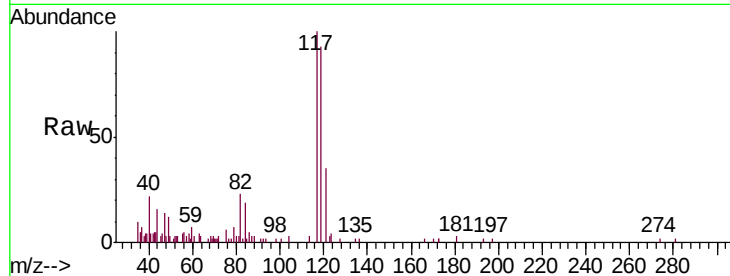
117 100

119 0.3 77.4 116.0#

Manual Integrations
APPROVED

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11/4/2019 12:38:27 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

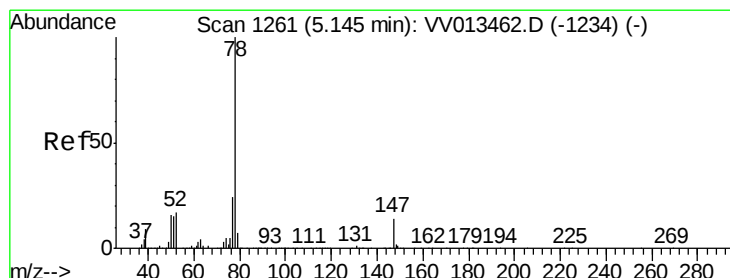
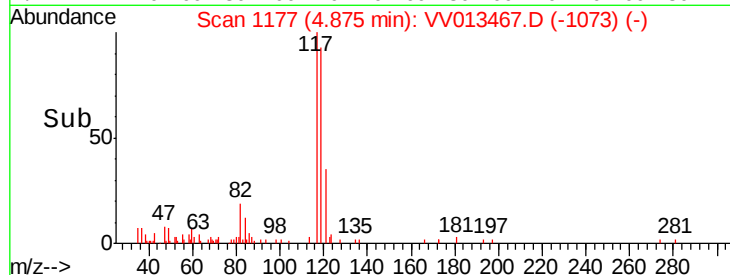
6000

4000

2000

0

Time-->



#34

Benzene

Concen: 0.970 ug/L

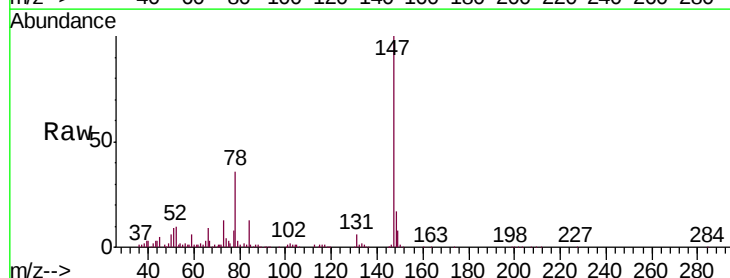
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Tgt Ion: 78 Resp: 39213



Abundance Ion 78.00 (77.70 to 78.70): VV0

20000

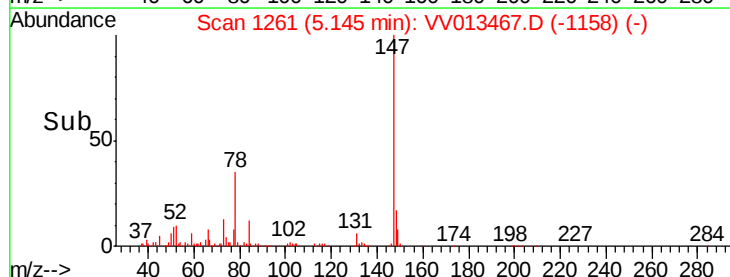
15000

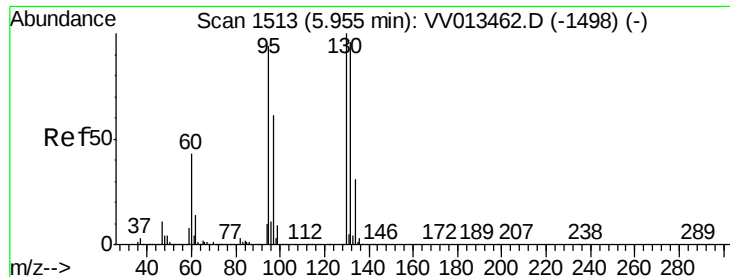
10000

5000

0

Time-->





#35

Trichloroethene

Concen: 1.096 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 95 Resp: 11967

Ion Ratio Lower Upper

95 100

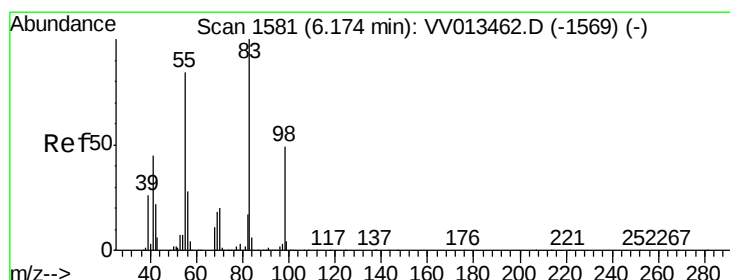
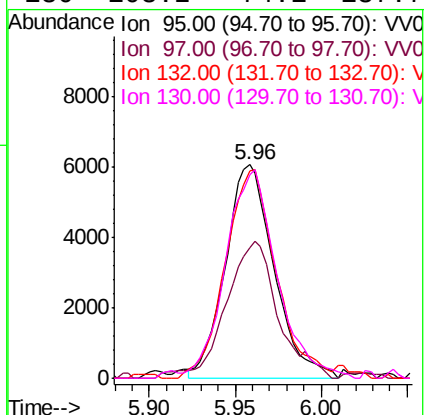
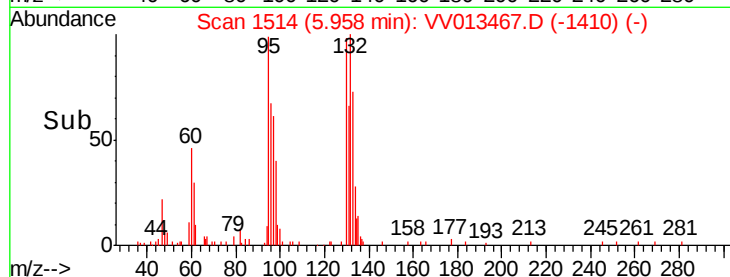
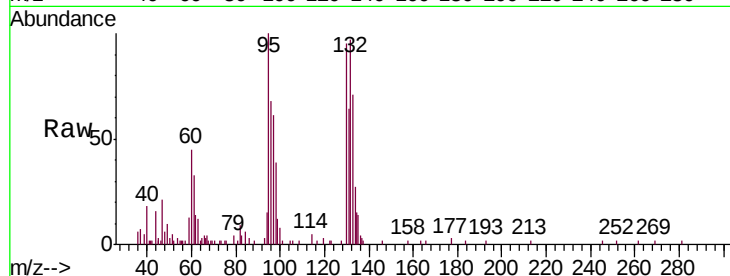
97 65.4 44.7 83.1

132 101.9 71.0 131.8

130 103.2 74.1 137.7

Manual Integrations
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MMDadoda
11/4/2019 12:38:27 PM



#36

Methylcyclohexane

Concen: 0.952 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.01 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

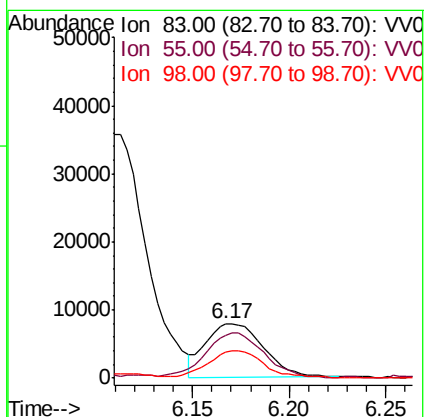
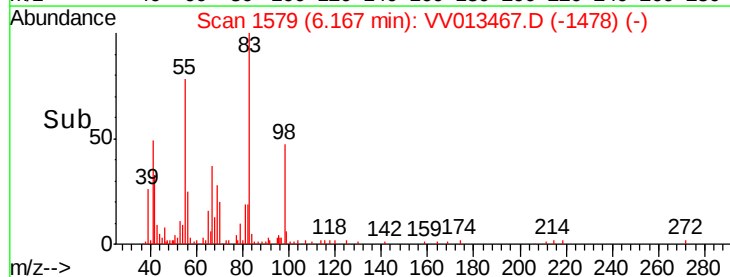
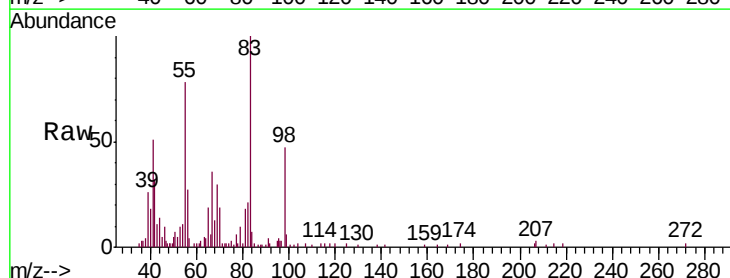
Tgt Ion: 83 Resp: 16268

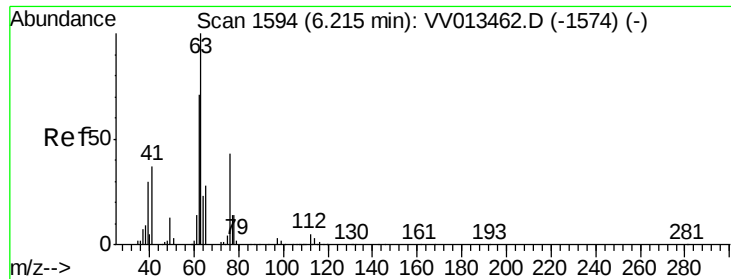
Ion Ratio Lower Upper

83 100

55 81.6 64.2 96.4

98 50.5 38.4 57.6





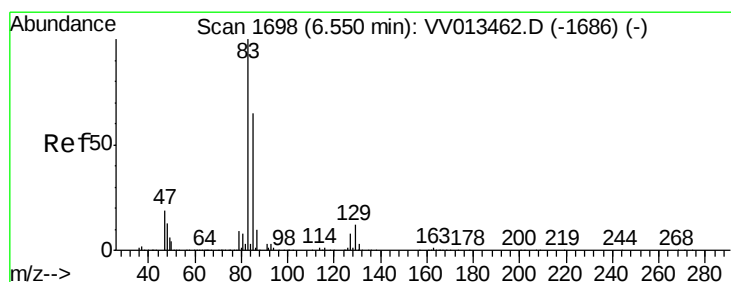
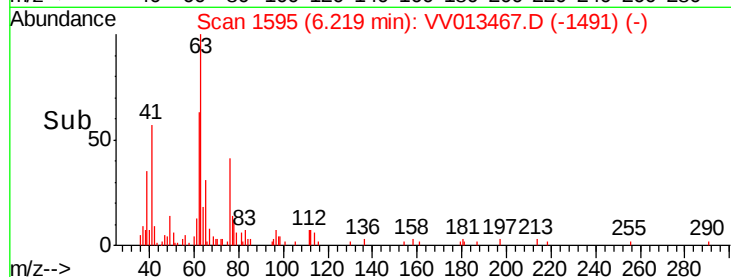
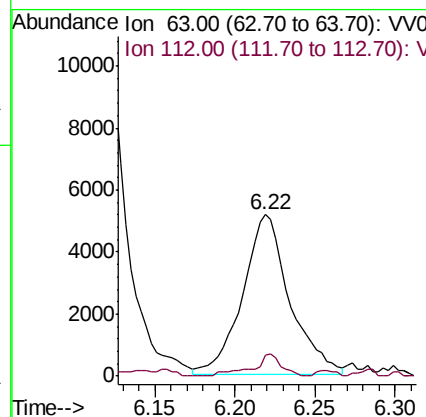
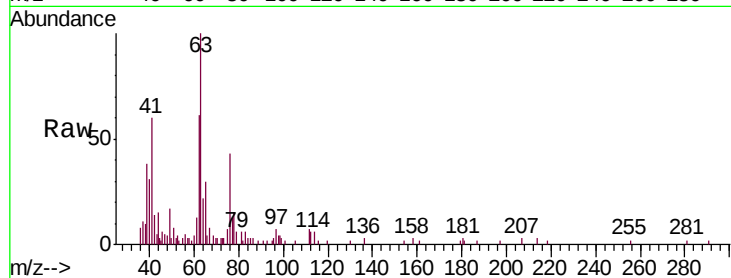
#40
 1,2-Dichloropropane
 Concen: 1.021 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

Tgt Ion: 63 Resp: 10402
 Ion Ratio Lower Upper
 63 100
 112 8.5 3.8 5.6#

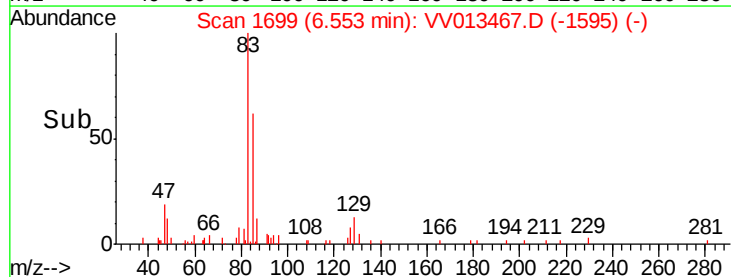
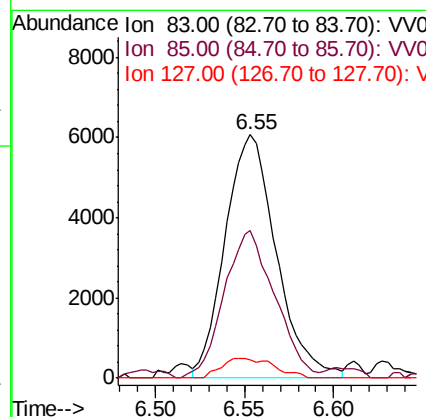
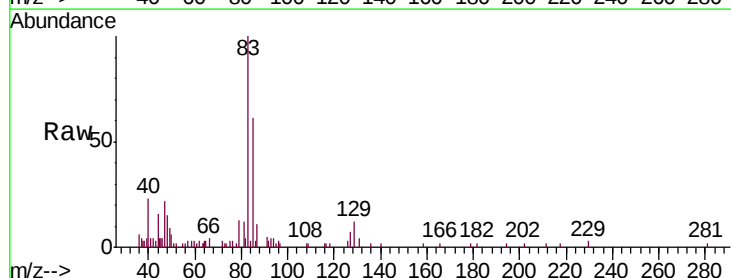
Manual Integrations
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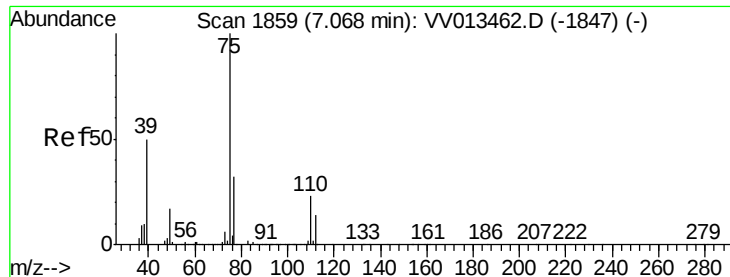
MMDadoda
 11/4/2019 12:38:27 PM



#41
 Bromodichloromethane
 Concen: 0.924 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Tgt Ion: 83 Resp: 12107
 Ion Ratio Lower Upper
 83 100
 85 60.8 45.4 84.4
 127 7.5 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 0.828 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 75 Resp: 12510

Ion Ratio Lower Upper

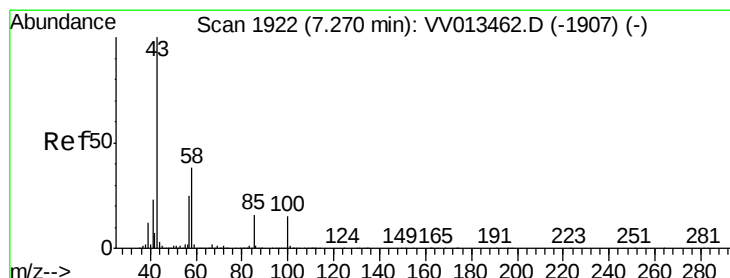
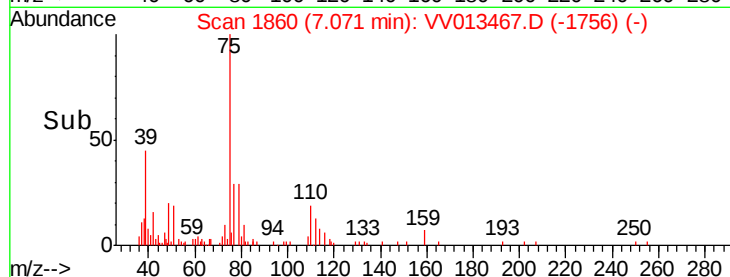
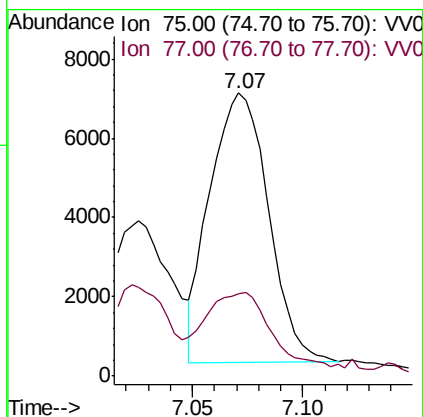
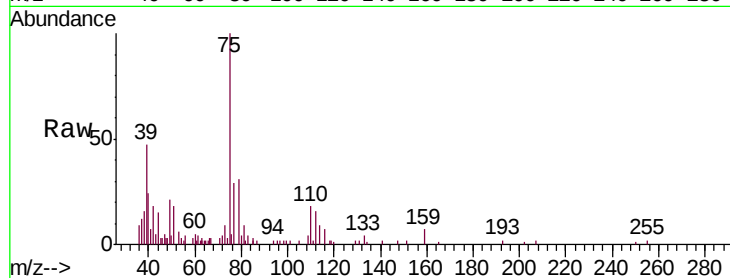
75 100

77 29.1 22.7 42.1

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#43

4-Methyl-2-pentanone

Concen: 2.193 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.01 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

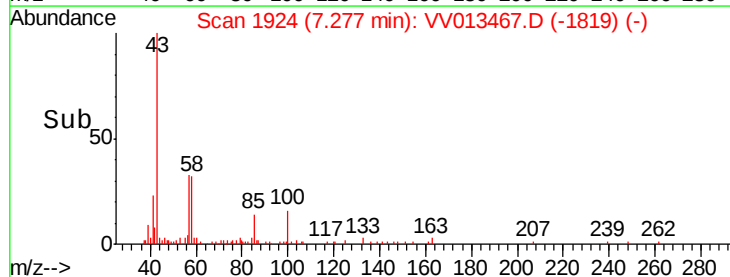
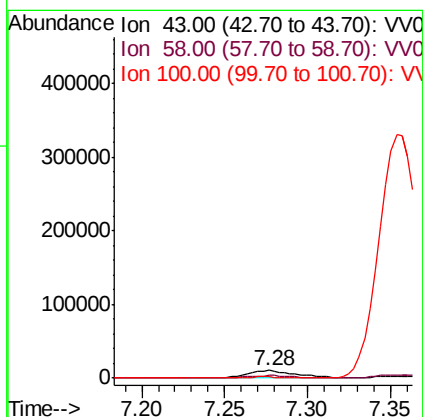
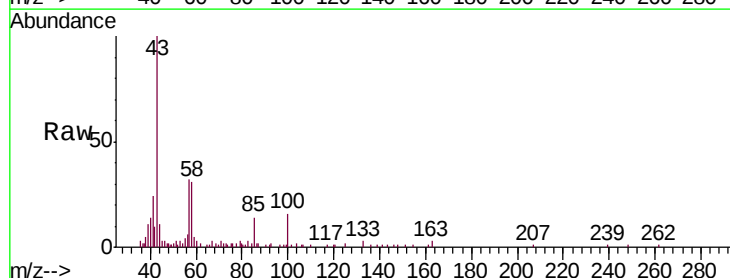
Tgt Ion: 43 Resp: 20621

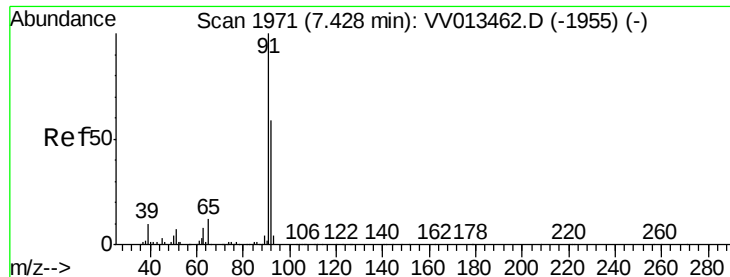
Ion Ratio Lower Upper

43 100

58 34.3 29.9 44.9

100 15.6 11.5 17.3





#44

Toluene

Concen: 1.079 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 91 Resp: 44576

Ion Ratio Lower Upper

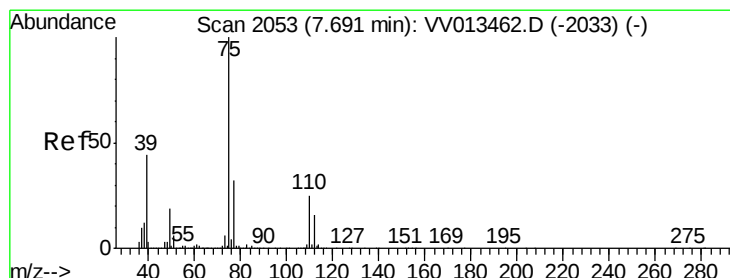
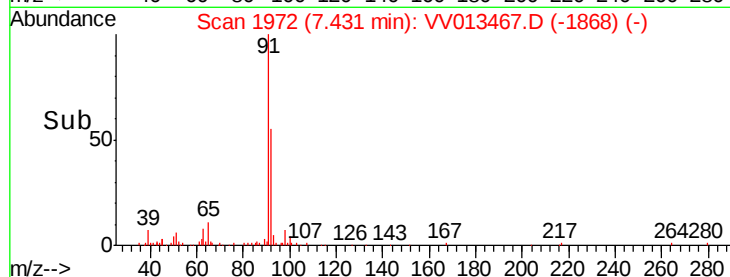
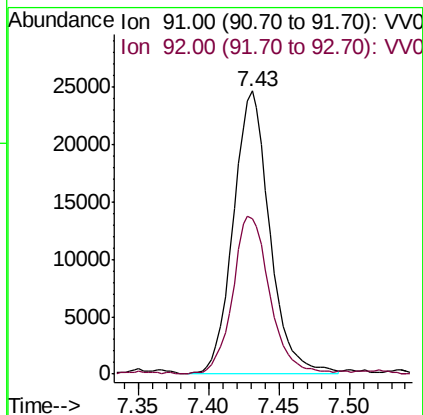
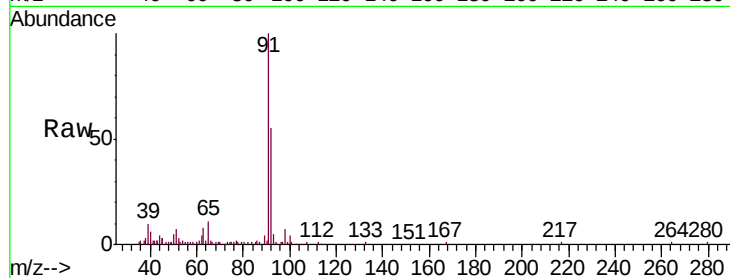
91 100

92 55.0 41.4 76.8

Manual Integrations
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#45

trans-1,3-Dichloropropene

Concen: 0.894 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013467.D

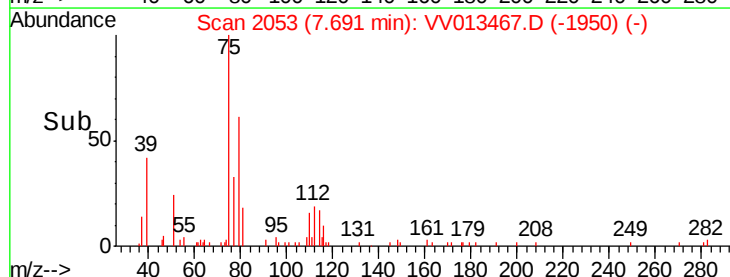
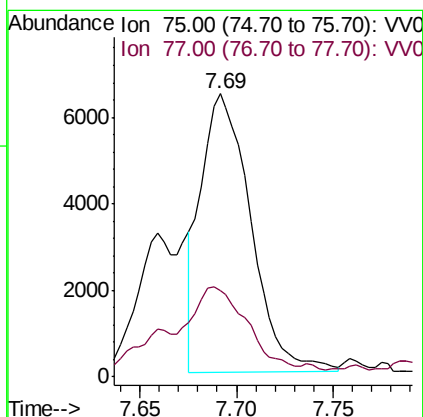
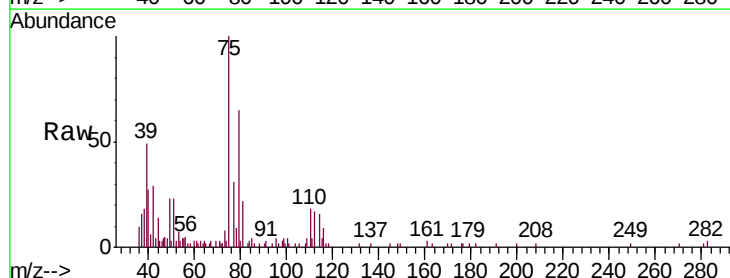
Acq: 01 Nov 2019 14:30

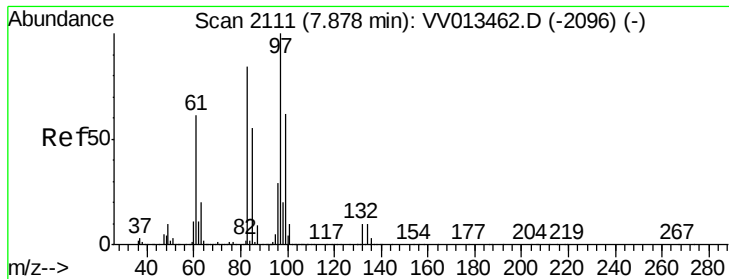
Tgt Ion: 75 Resp: 11570

Ion Ratio Lower Upper

75 100

77 30.6 22.5 41.7





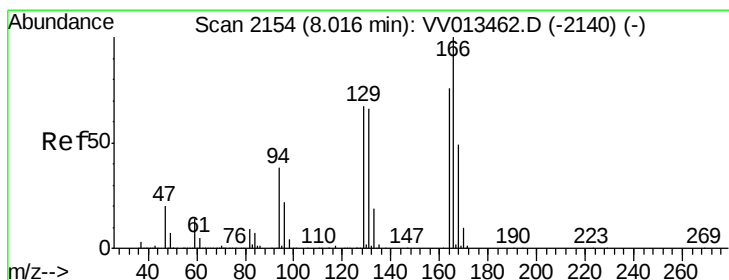
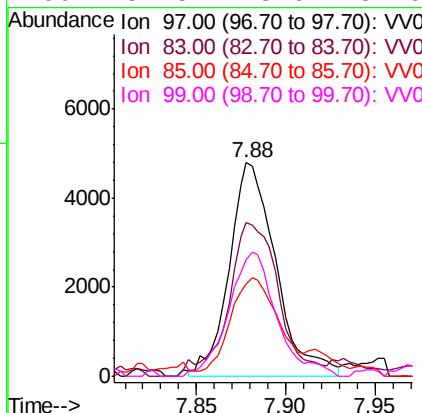
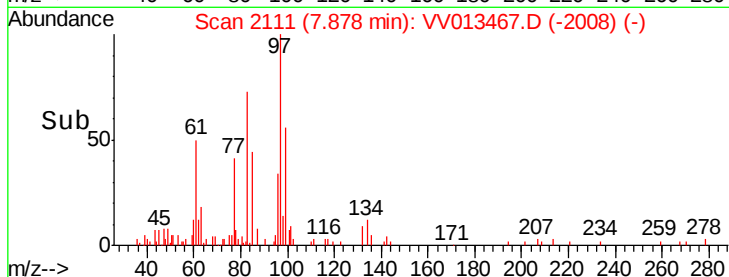
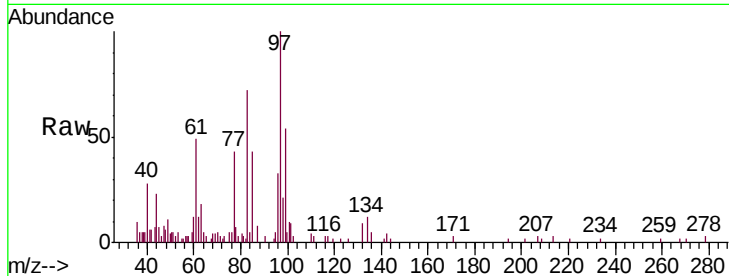
#46
 1,1,2-Trichloroethane
 Concen: 1.067 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	71.7	58.9	109.3
85	43.1	38.6	71.6
99	54.5	43.6	81.0

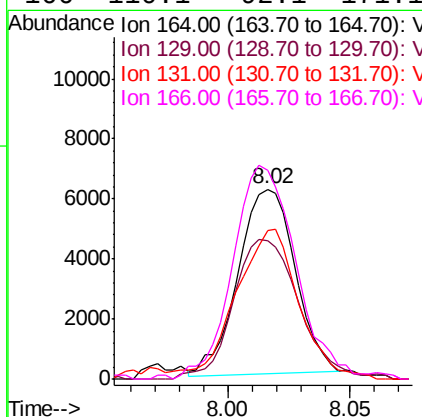
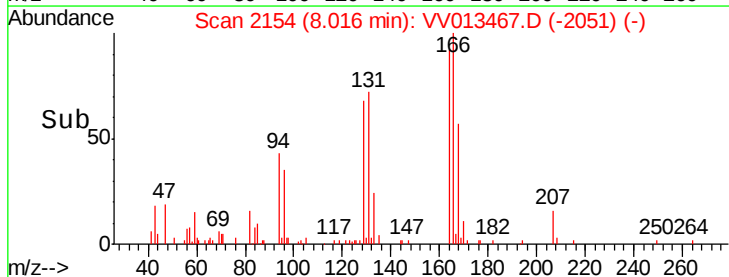
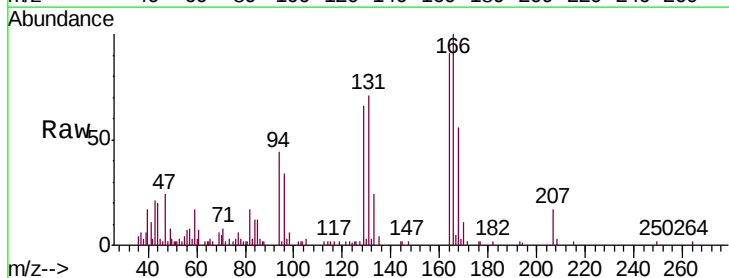
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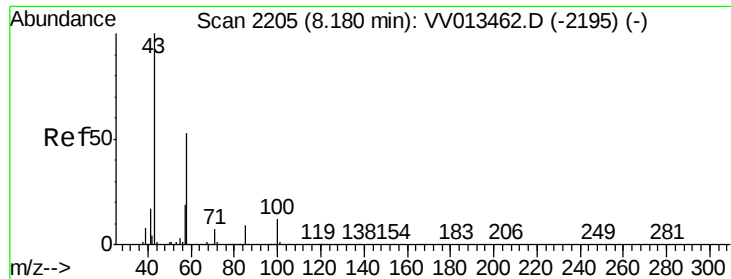
MMDadoda
 11/4/2019 12:38:27 PM



#47
 Tetrachloroethene
 Concen: 1.086 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
164	100		
129	75.9	61.8	114.8
131	78.1	61.0	113.2
166	110.1	92.1	171.1





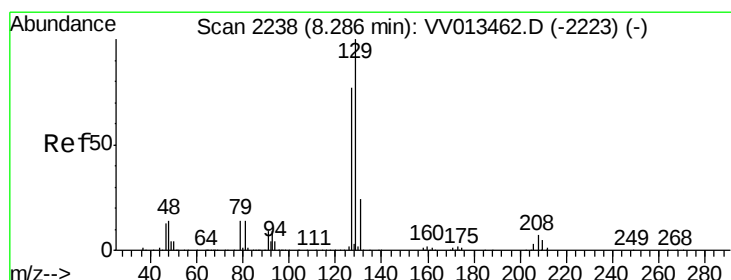
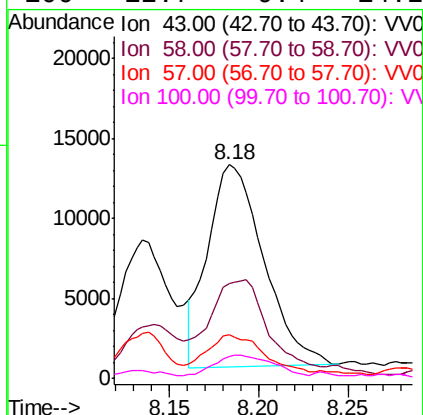
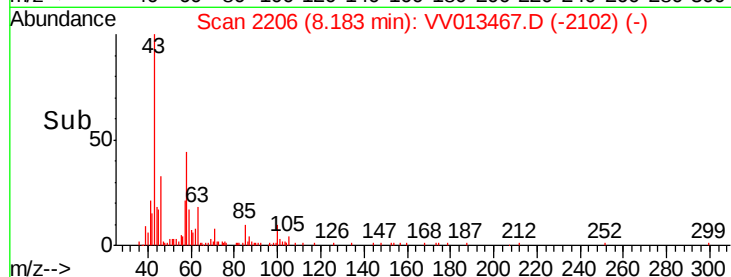
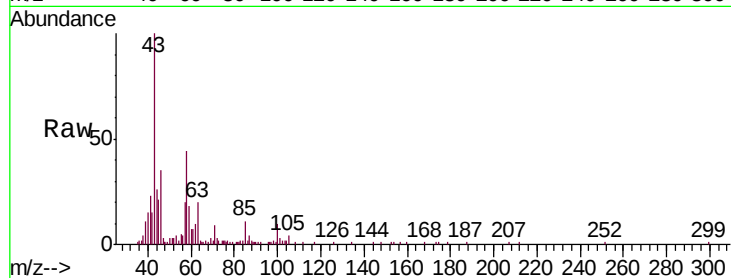
#49
2-Hexanone
Concen: 4.054 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	43.8	65.8#
57	17.7	15.0	22.4
100	12.7	9.4	14.2

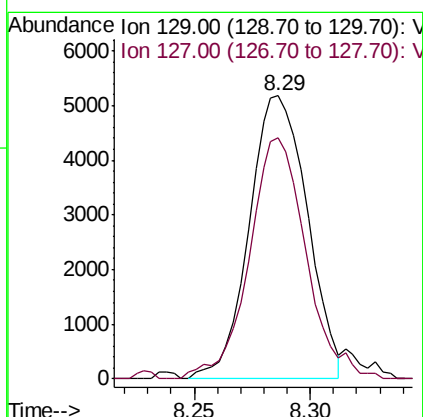
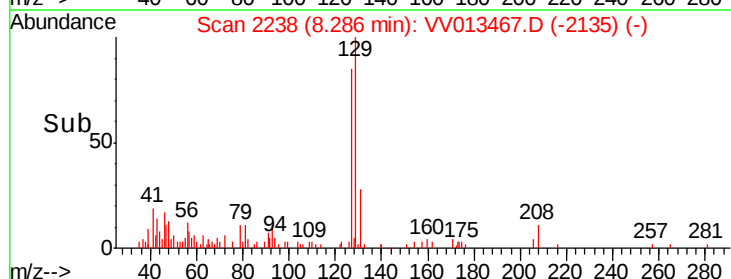
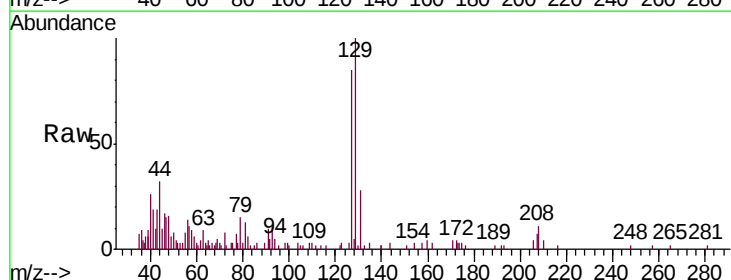
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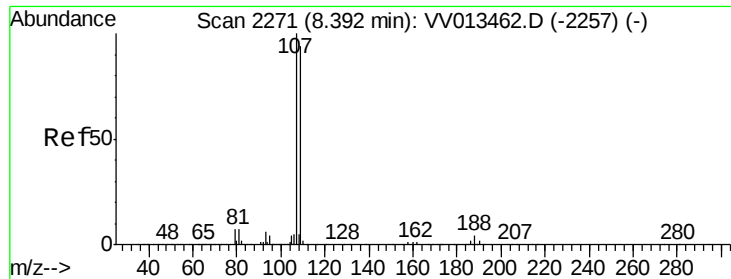
MMDadoda
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#50
Dibromochloromethane
Concen: 0.923 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	85.2	53.9	100.1





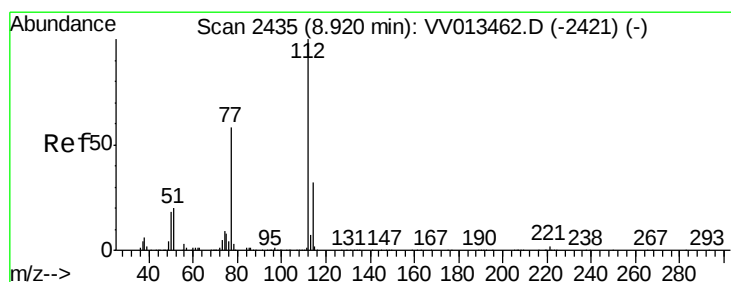
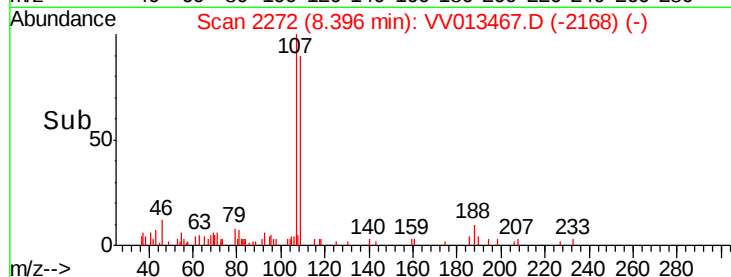
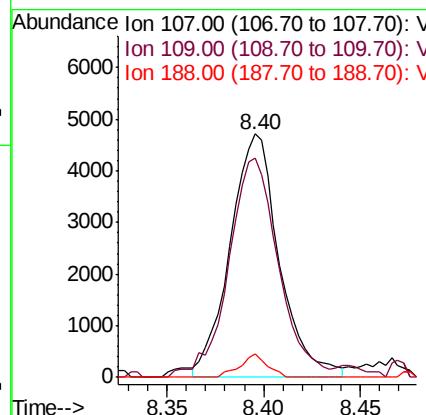
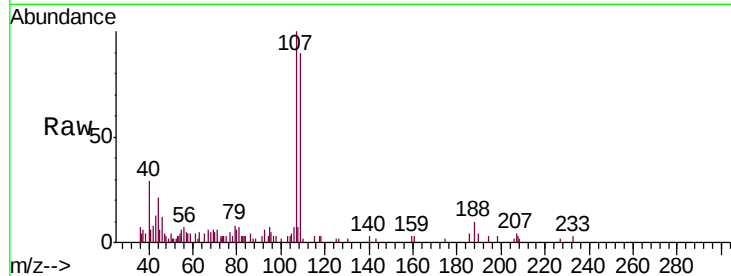
#51
 1,2-Dibromoethane
 Concen: 0.986 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.2	65.6	121.8
188	9.5	3.5	5.3

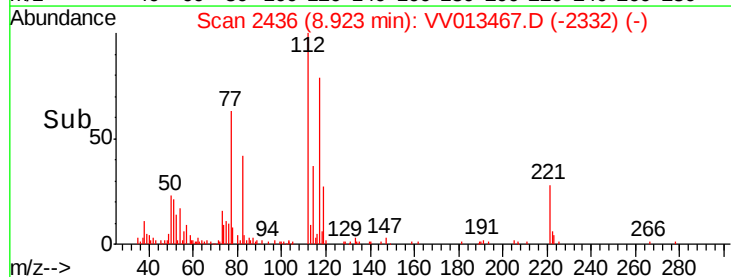
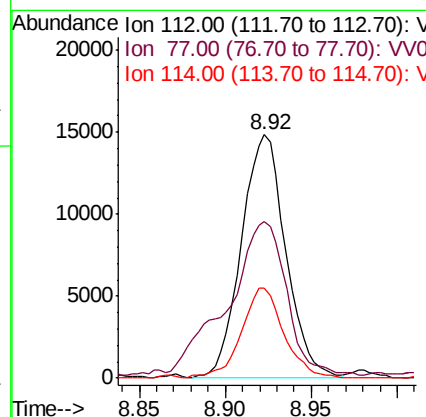
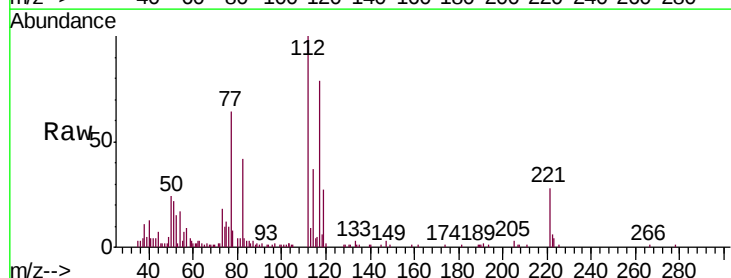
Manual Integrations
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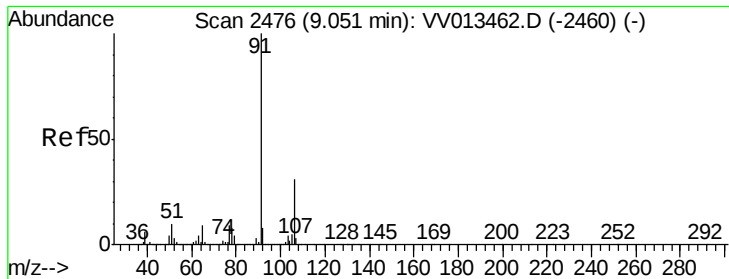
MMDadoda
 11/4/2019 12:38:27 PM



#52
 Chlorobenzene
 Concen: 0.952 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.4	46.6	70.0
114	37.1	22.5	41.9





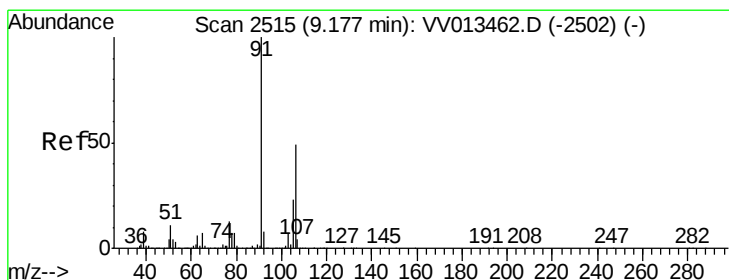
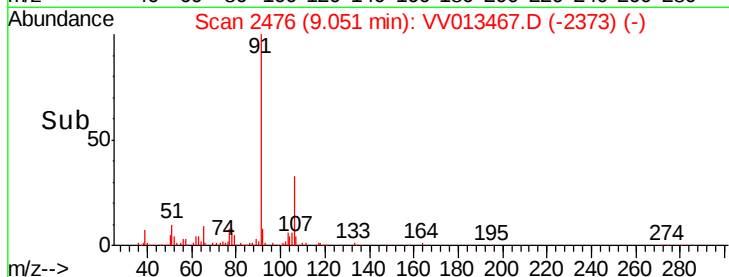
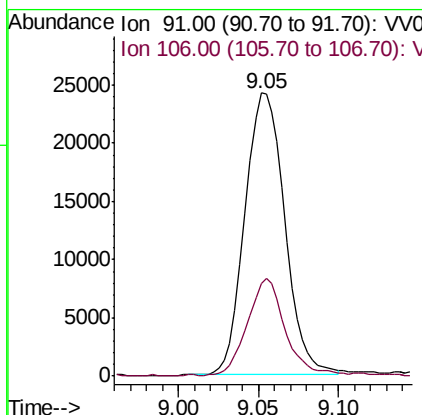
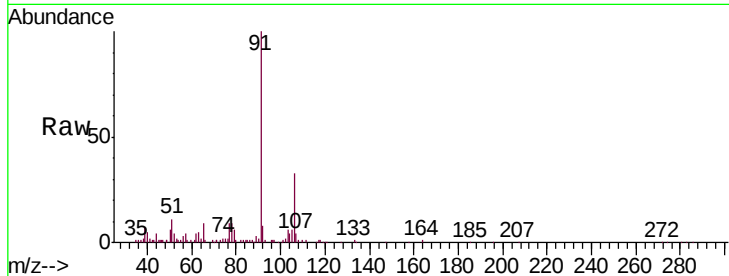
#53
Ethylbenzene
Concen: 0.906 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion: 91 Resp: 41270
Ion Ratio Lower Upper
91 100
106 32.7 21.5 39.9

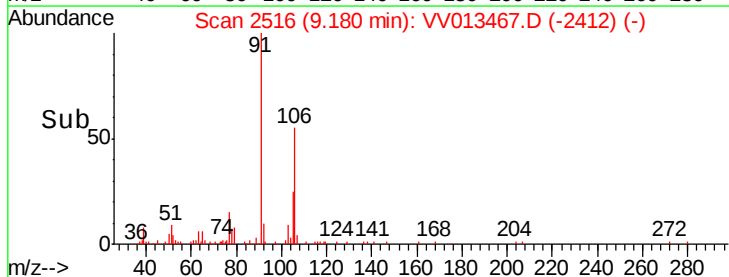
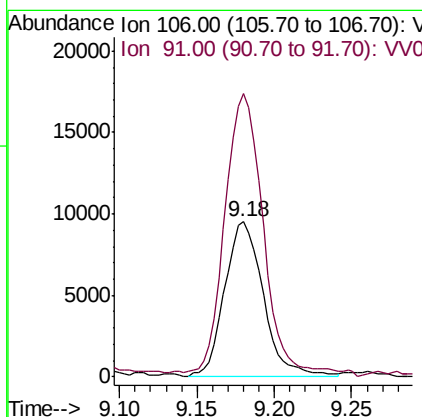
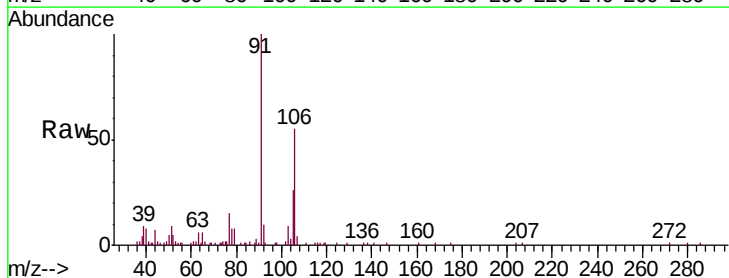
Manual Integrations
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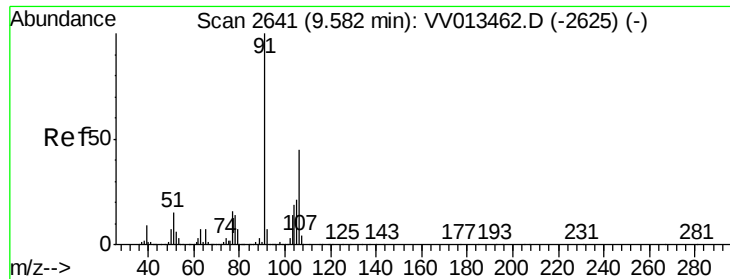
MMDadoda
11/4/2019 12:38:27 PM



#54
m,p-Xylene
Concen: 0.971 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion: 106 Resp: 16636
Ion Ratio Lower Upper
106 100
91 182.5 141.7 263.1





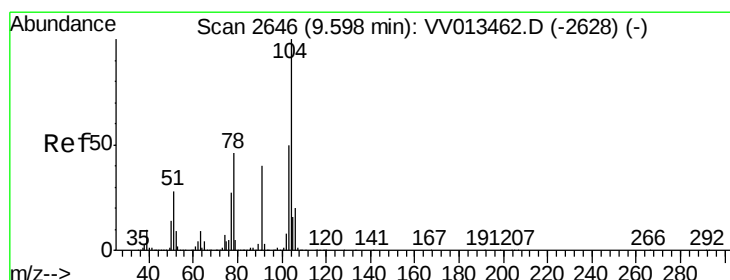
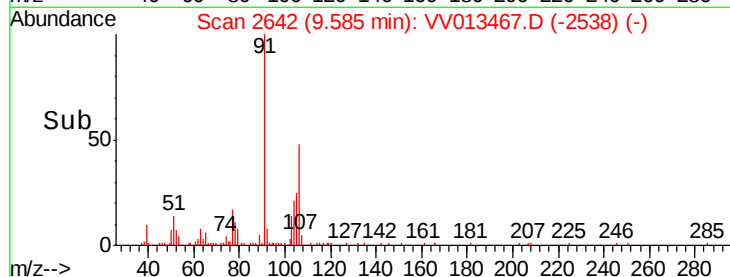
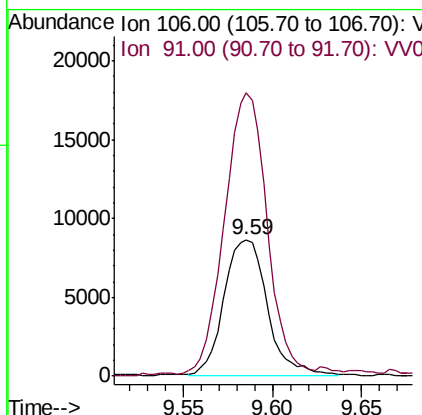
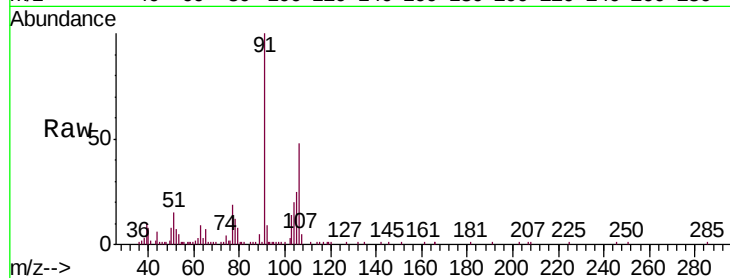
#55
o-xylene
Concen: 0.912 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion:106 Resp: 14772
Ion Ratio Lower Upper
106 100
91 206.9 154.2 286.4

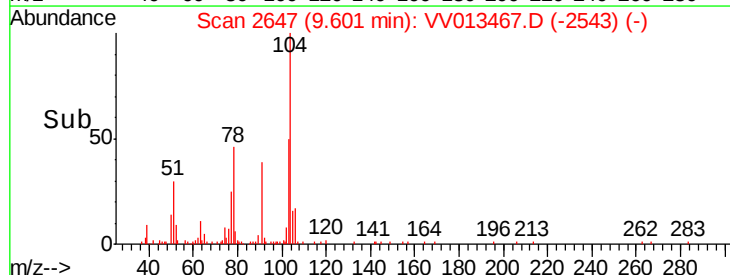
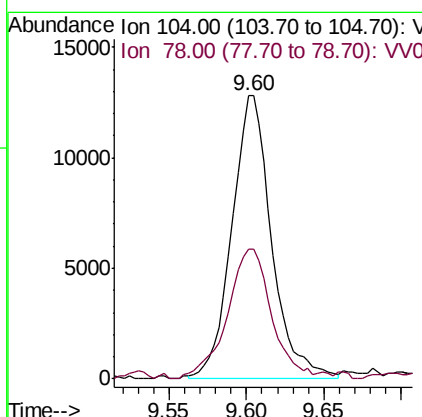
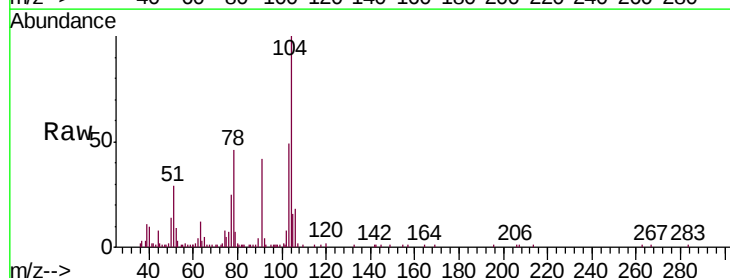
Manual Integrations
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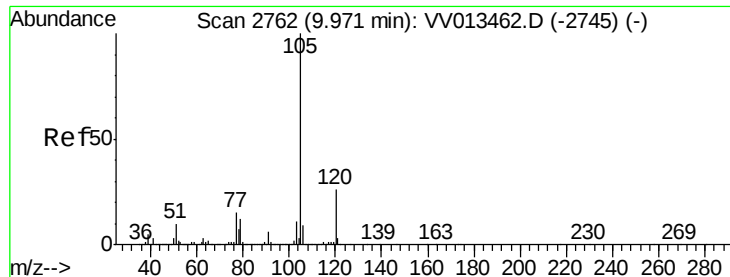
MMDadoda
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#56
Styrene
Concen: 0.813 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion:104 Resp: 22843
Ion Ratio Lower Upper
104 100
78 46.0 32.1 59.5





#57

Isopropylbenzene

Concen: 0.834 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Instrument :

MSVOA_V

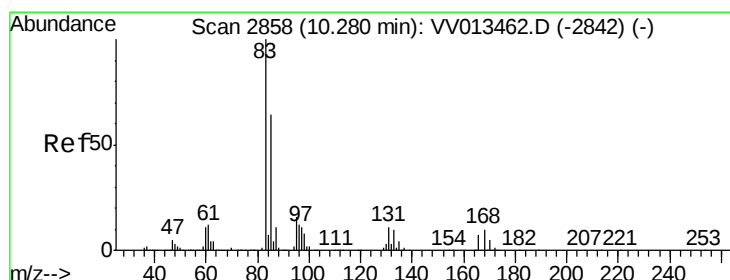
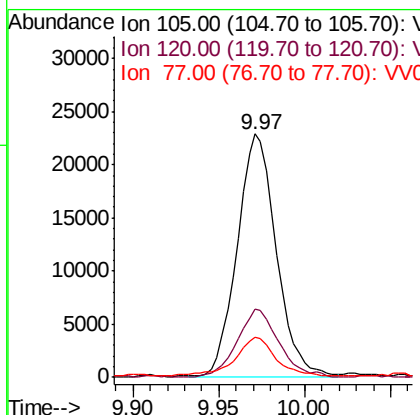
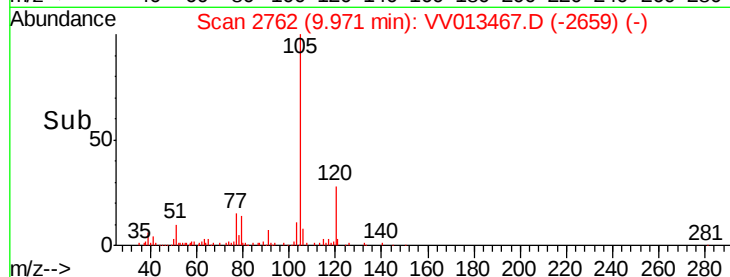
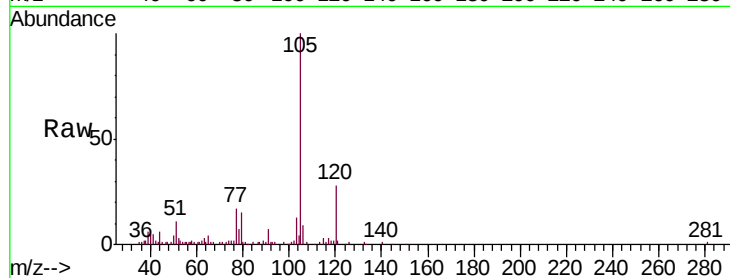
ClientSampleId :

MDL01

Tgt Ion:	105	Resp:	36429
Ion Ratio	Lower	Upper	
105	100		
120	29.1	21.1	31.7
77	17.0	12.3	18.5

Manual Integrations
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MMDadoda
11/4/2019 12:38:27 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 1.059 ug/L

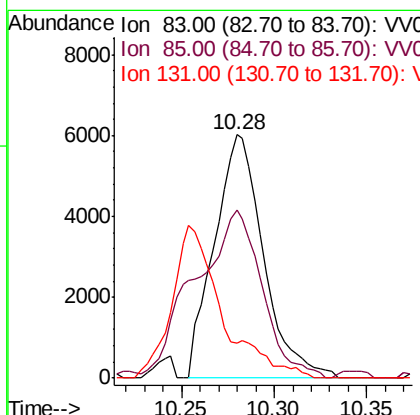
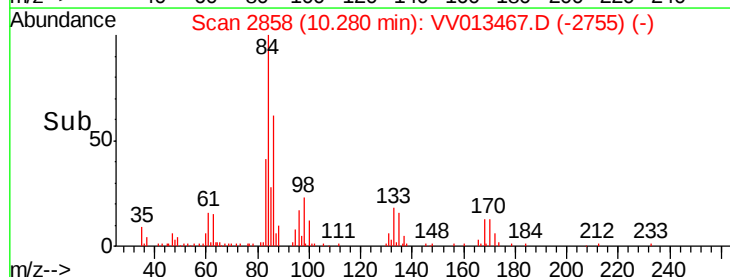
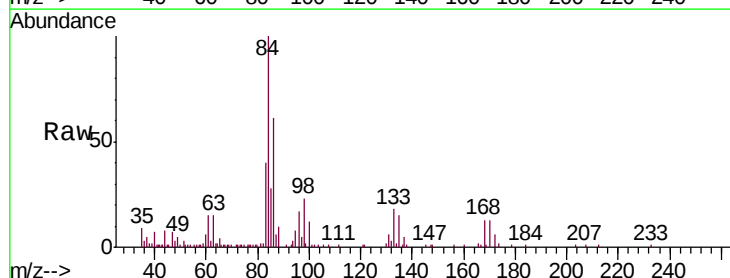
RT: 10.28 min Scan# 2858

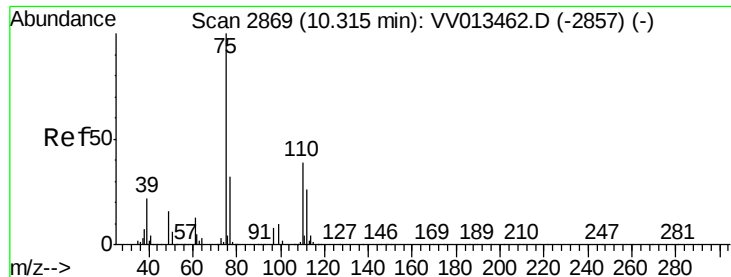
Delta R.T. 0.00 min

Lab File: VV013467.D

Acq: 01 Nov 2019 14:30

Tgt Ion:	83	Resp:	11085
Ion Ratio	Lower	Upper	
83	100		
85	68.9	45.1	83.7
131	14.4	8.5	12.7#





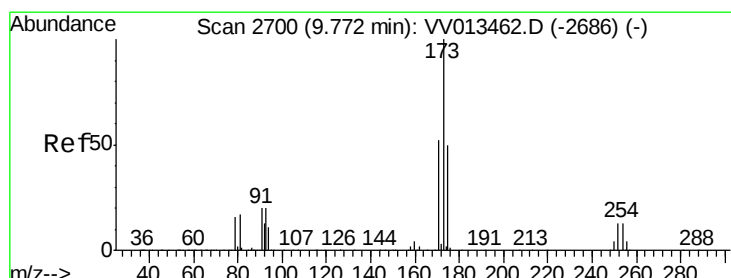
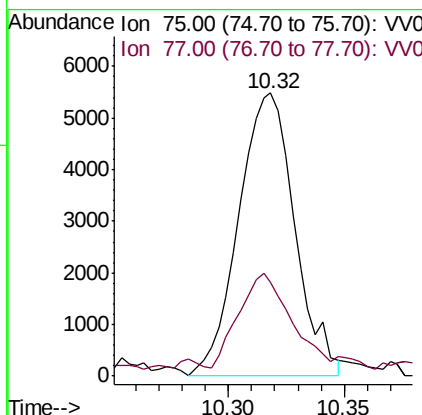
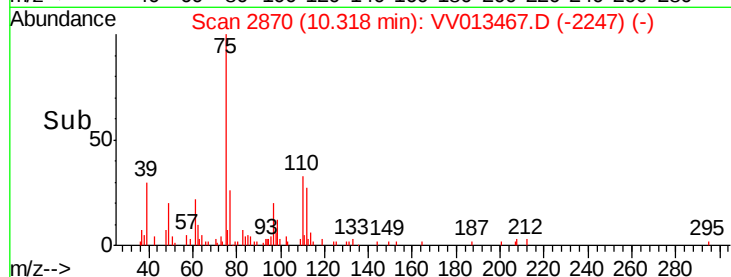
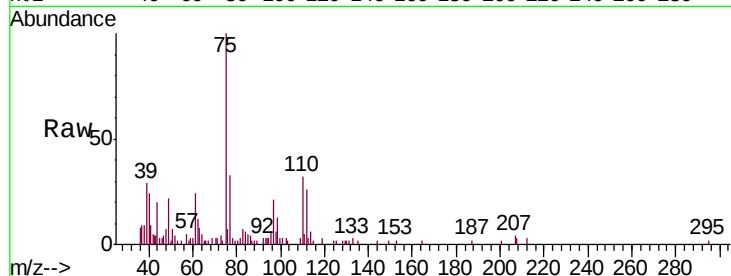
#59
 1,2,3-Trichloropropane
 Concen: 1.054 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 75 Resp: 9248
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.7 38.5

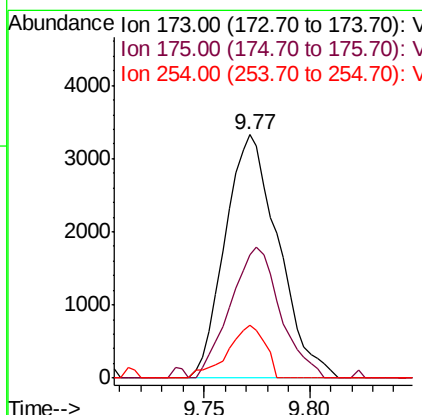
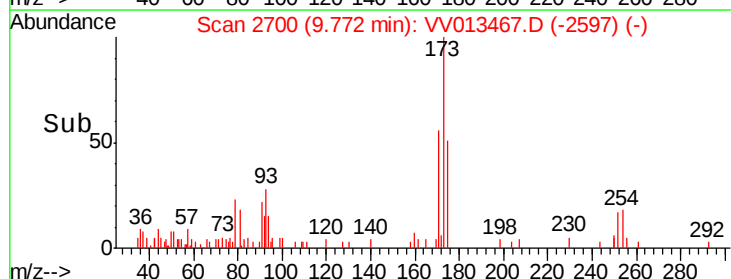
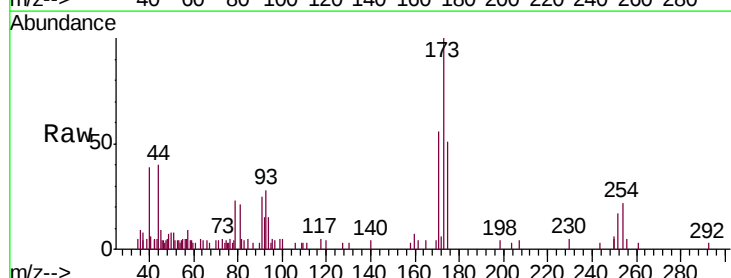
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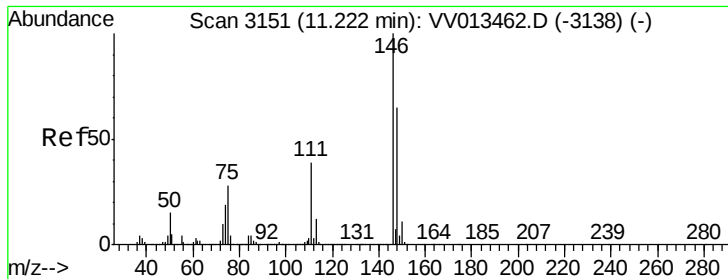
MMDadoda
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#62
 Bromoform
 Concen: 0.961 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Tgt Ion: 173 Resp: 5825
 Ion Ratio Lower Upper
 173 100
 175 50.6 39.4 59.0
 254 15.2 10.1 15.1#





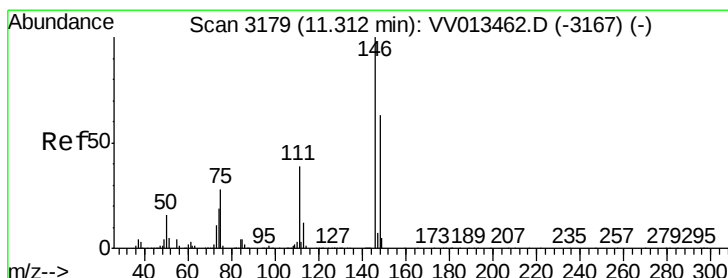
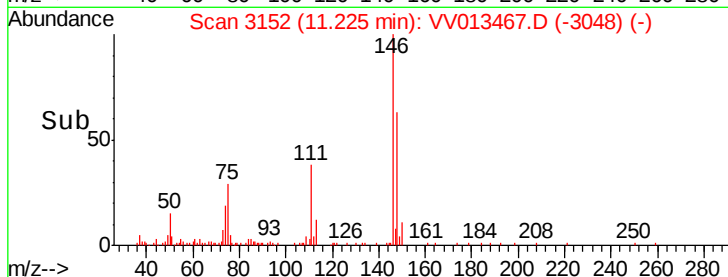
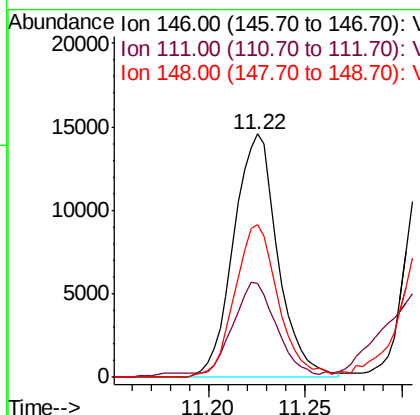
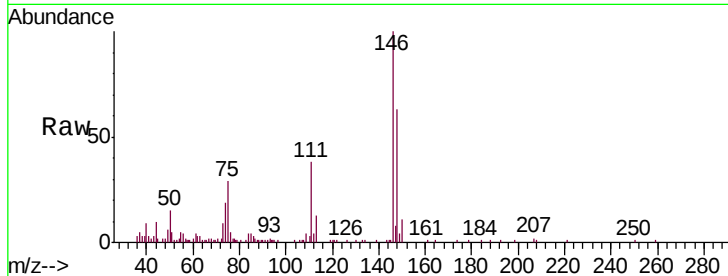
#63
 1,3-Dichlorobenzene
 Concen: 1.094 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.1	50.3
148	62.8	45.4	84.2

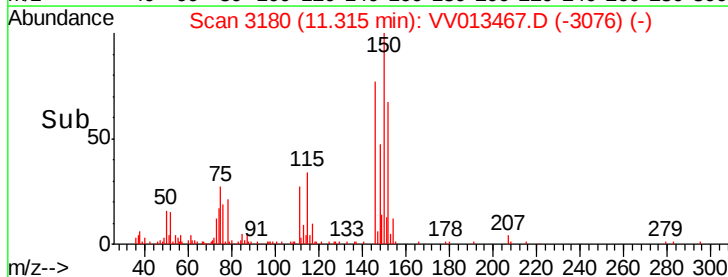
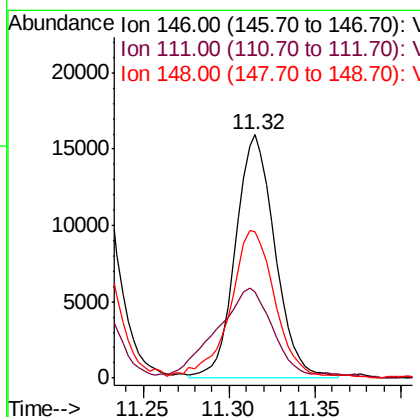
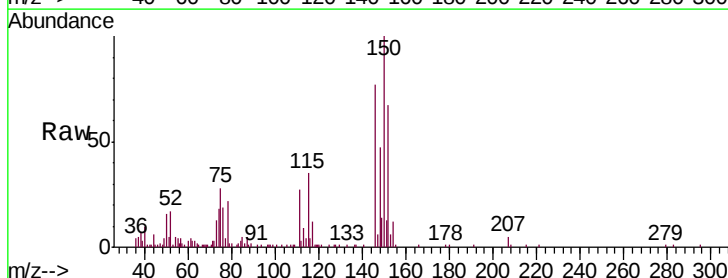
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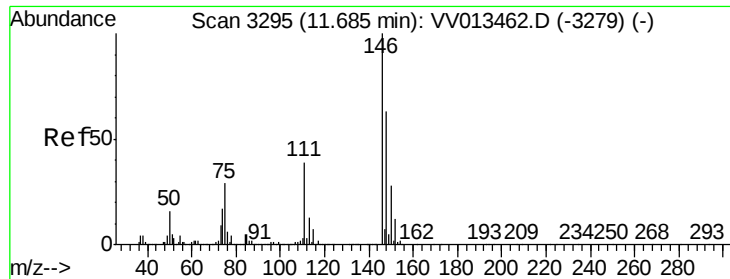
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#64
 1,4-Dichlorobenzene
 Concen: 1.182 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	27.2	50.6
148	60.2	44.4	82.5





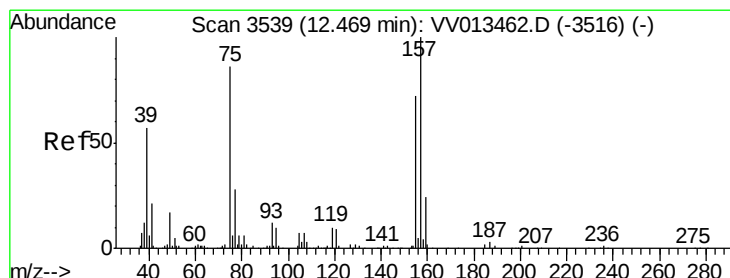
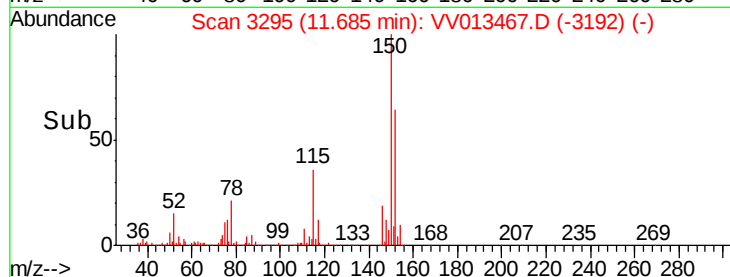
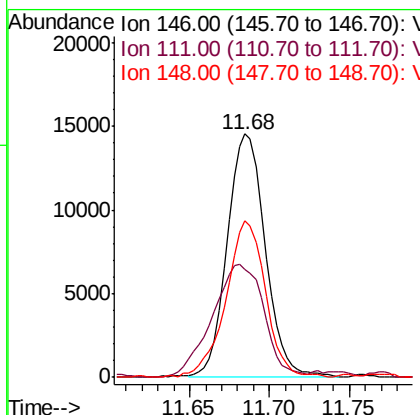
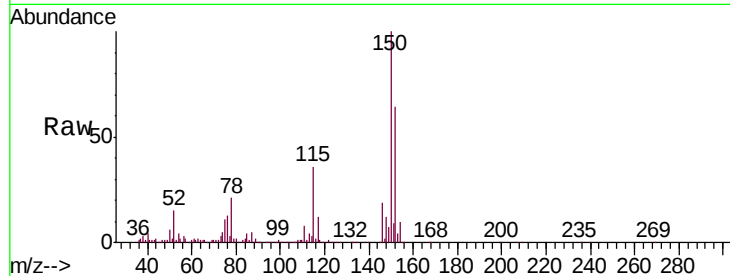
#65
1,2-Dichlorobenzene
Concen: 1.201 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	31.4	47.2
148	64.3	50.5	75.7

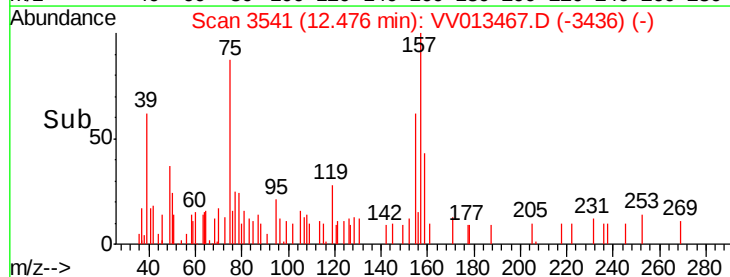
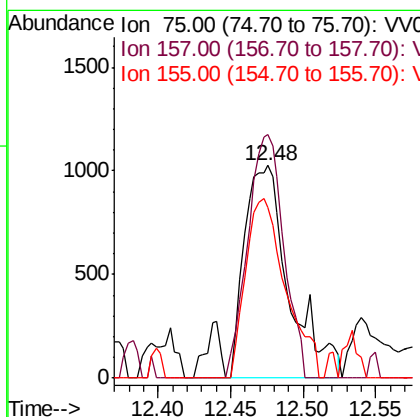
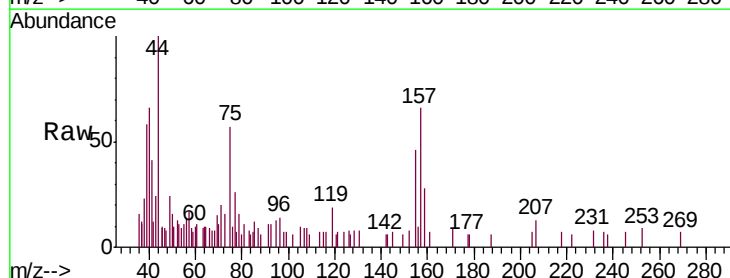
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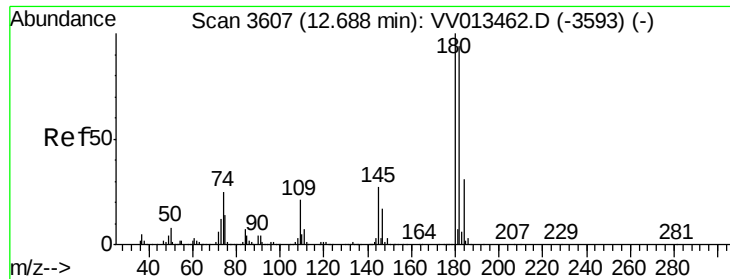
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#66
1,2-Dibromo-3-chloropropane
Concen: 1.316 ug/L
RT: 12.48 min Scan# 3541
Delta R.T. 0.01 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.6	93.2	139.8
155	80.6	66.9	100.3





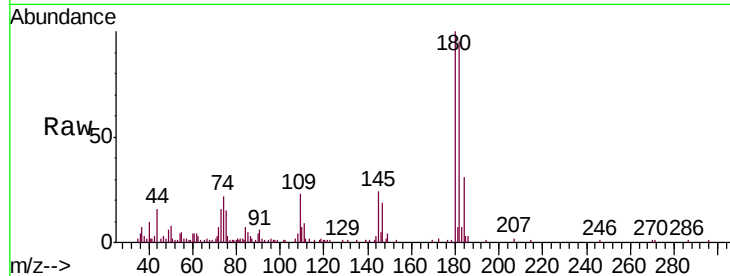
#67
 1,3,5-Trichlorobenzene
 Concen: 1.137 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.8	112.2
184	30.6	24.3	36.5
145	29.6	21.1	31.7

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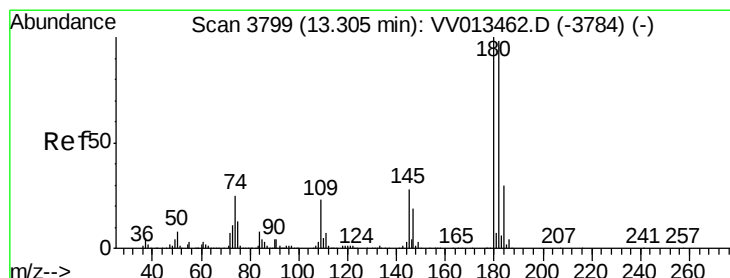
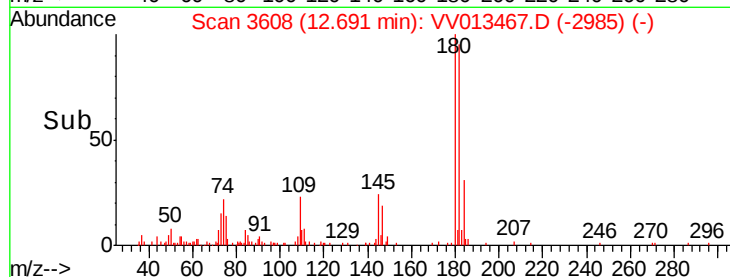
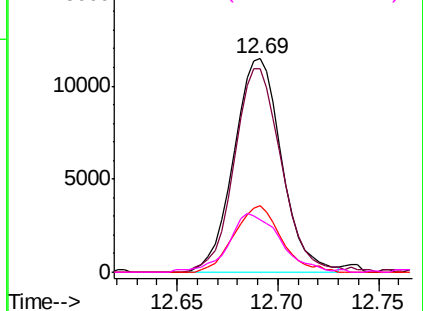
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

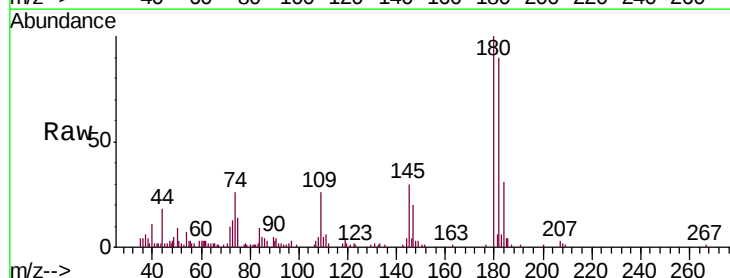
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.167 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013467.D
 Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.2	77.4	116.0
145	28.8	22.3	33.5

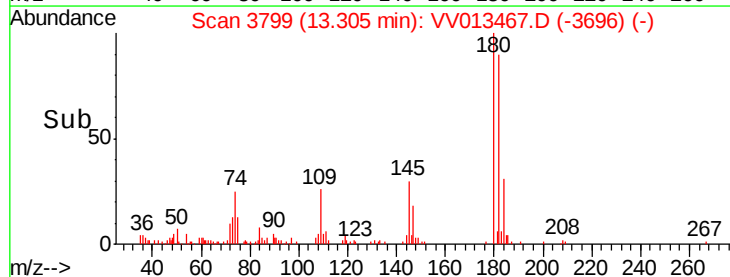
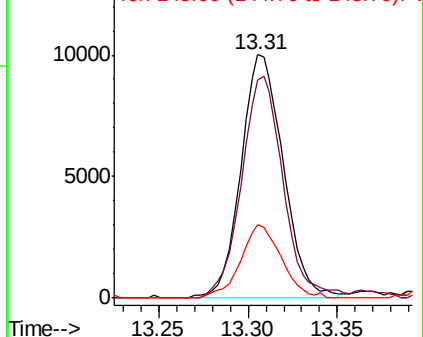


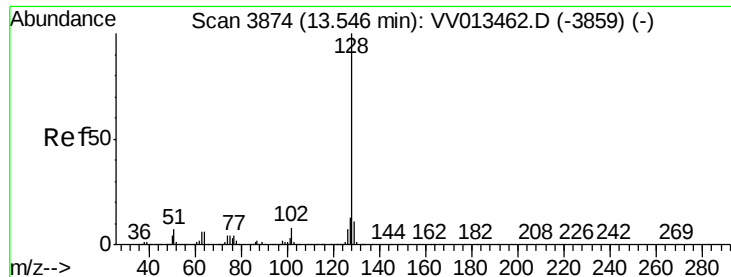
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





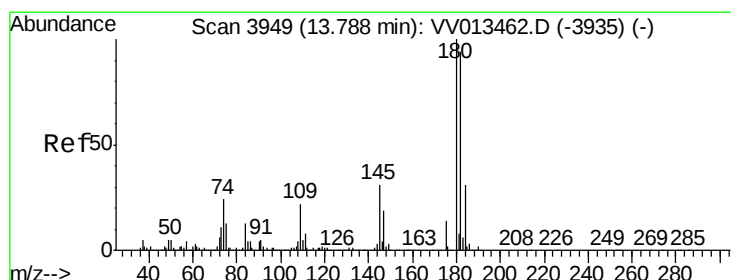
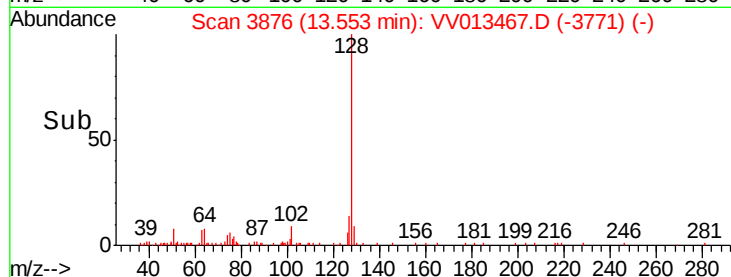
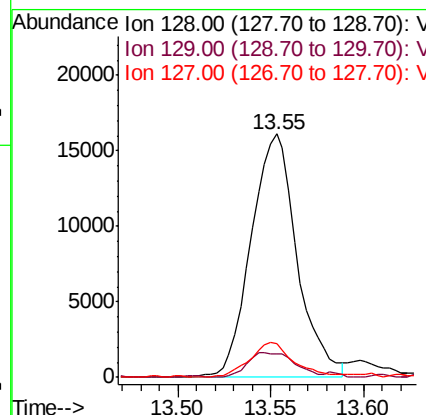
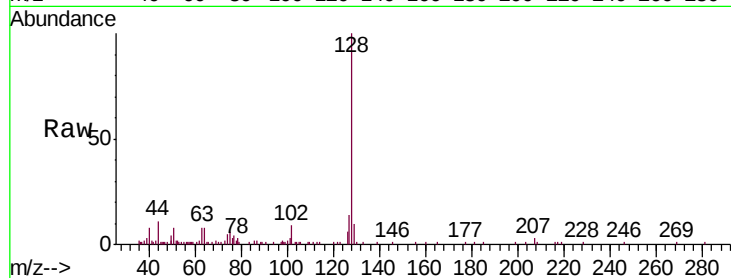
#69
Naphthalene
Concen: 1.007 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.01 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.4	8.6	13.0#
127	13.8	10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 1.071 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013467.D
Acq: 01 Nov 2019 14:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.2	112.8
145	37.7	23.8	35.6#

