

Data File : VV013468.D
Acq On : 01 Nov 2019 14:57
Operator : SY/MD
Sample : MDL02
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:31 PM

Quant Time: Nov 02 03:32:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 02 04:24:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	691621	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	668447	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	337548	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	253023	25.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.92%
7) Chloroethane-d5	1.58	69	195143	27.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.84%
10) 1,1-Dichloroethene-d2	2.13	63	324942m	19.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.76%
20) 2-Butanone-d5	3.95	46	229300	50.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.38%
24) Chloroform-d	4.40	84	469981	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.08	65	285944	25.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.00%
29) Benzene-d6	5.09	84	992335	25.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.16%
33) 1,2-Dichloropropane-d6	6.11	67	304931	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.88%
37) Toluene-d8	7.36	98	880629	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.16%
38) trans-1,3-Dichloropropene-	7.66	79	126219	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.00%
39) 2-Hexanone-d5	8.13	63	117952	46.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	256866	23.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	340559	25.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10053	0.932 ug/L	92
3) Chloromethane	1.25	50	9757	0.887 ug/L	98
5) Vinyl chloride	1.32	62	10407	0.967 ug/L #	49
6) Bromomethane	1.54	94	5466	1.080 ug/L	99
8) Chloroethane	1.60	64	5540	0.927 ug/L	92
9) Trichlorofluoromethane	1.77	101	12686	0.861 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10608	1.206 ug/L #	69
12) 1,1-Dichloroethene	2.14	96	10088m	1.213 ug/L	
13) Acetone	2.21	43	18731	3.508 ug/L	73
14) Carbon disulfide	2.32	76	25901	0.803 ug/L	100
15) Methyl Acetate	2.47	43	5171	0.643 ug/L	100
16) Methylene chloride	2.53	84	31408	2.440 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	20988	0.769 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	8917	0.804 ug/L	99
19) 1,1-Dichloroethane	3.23	63	15335	0.759 ug/L	95
21) 2-Butanone	4.05	43	10907m	1.980 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	10283m	0.882 ug/L	

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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	4.31	128	4875	0.871	ug/L	82
25) Chloroform	4.42	83	30583m	1.478	ug/L	
27) 1,2-Dichloroethane	5.18	62	12456	0.867	ug/L	98
30) Cyclohexane	4.72	56	13100	0.726	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	12869	0.759	ug/L	95
32) Carbon tetrachloride	4.87	117	11956	0.791	ug/L	99
34) Benzene	5.15	78	35448	0.808	ug/L	100
35) Trichloroethene	5.96	95	10868	0.918	ug/L	93
36) Methylcyclohexane	6.17	83	13124	0.708	ug/L	93
40) 1,2-Dichloropropane	6.22	63	8753	0.793	ug/L #	94
41) Bromodichloromethane	6.55	83	9994	0.703	ug/L #	98
42) cis-1,3-Dichloropropene	7.07	75	12508	0.764	ug/L	94
43) 4-Methyl-2-pentanone	7.28	43	19023	1.866	ug/L #	93
44) Toluene	7.43	91	38628	0.862	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	9583	0.683	ug/L	92
46) 1,1,2-Trichloroethane	7.88	97	7067	0.799	ug/L	87
47) Tetrachloroethene	8.02	164	8942	0.891	ug/L	84
49) 2-Hexanone	8.19	43	26938	3.630	ug/L	96
50) Dibromochloromethane	8.29	129	8121	0.768	ug/L	97
51) 1,2-Dibromoethane	8.39	107	6949	0.760	ug/L #	95
52) Chlorobenzene	8.92	112	25076	0.827	ug/L	99
53) Ethylbenzene	9.05	91	36491	0.739	ug/L	99
54) m,p-Xylene	9.18	106	13568	0.731	ug/L	84
55) o-xylene	9.59	106	12158	0.692	ug/L	85
56) Styrene	9.60	104	18254	0.599	ug/L	96
57) Isopropylbenzene	9.97	105	33044	0.697	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	10080	0.888	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	7564	0.795	ug/L	97
62) Bromoform	9.77	173	5157	0.771	ug/L #	92
63) 1,3-Dichlorobenzene	11.23	146	19665	0.844	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	22086	0.927	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	18812	0.869	ug/L	89
66) 1,2-Dibromo-3-chloropropan	12.47	75	1918	0.963	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	15635	0.848	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	12231	0.779	ug/L	91
69) Naphthalene	13.55	128	22785	0.750	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	12516	0.851	ug/L	97

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

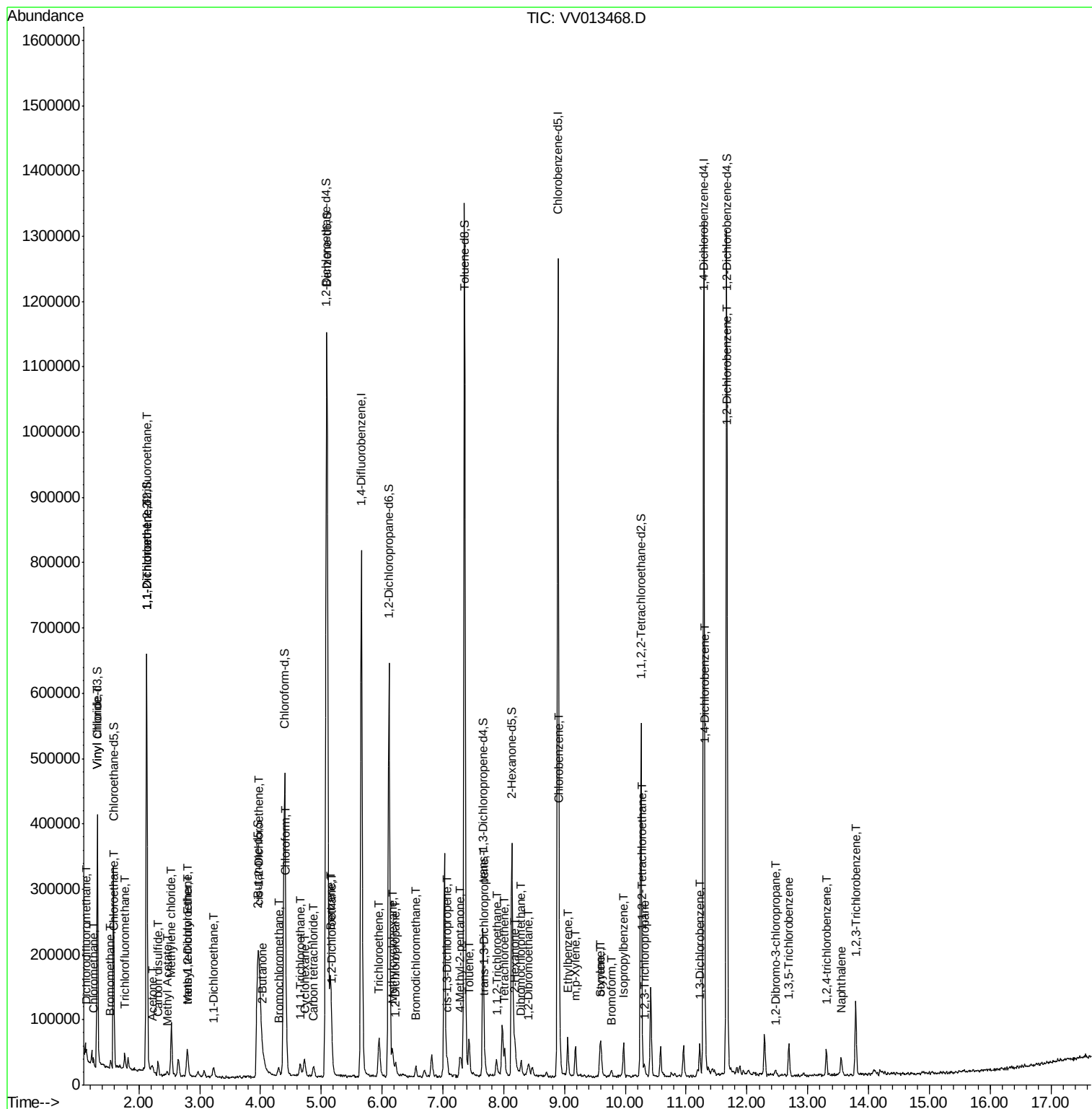
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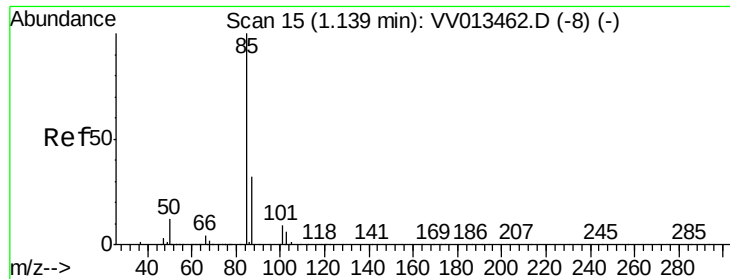
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#2

Dichlorodifluoromethane

Concen: 0.932 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tgt Ion: 85 Resp: 10053

Ion Ratio Lower Upper

85 100

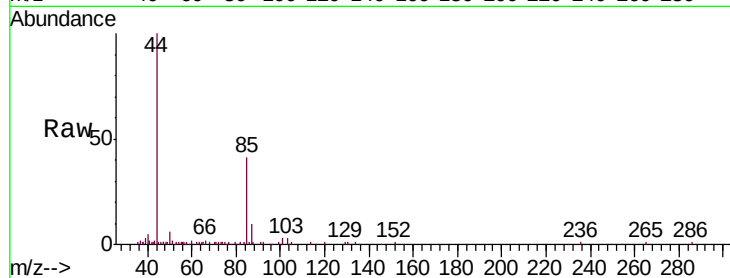
87 27.0 22.2 41.2

Manual Integrations

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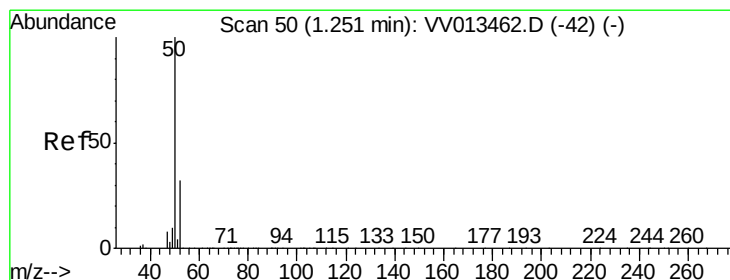
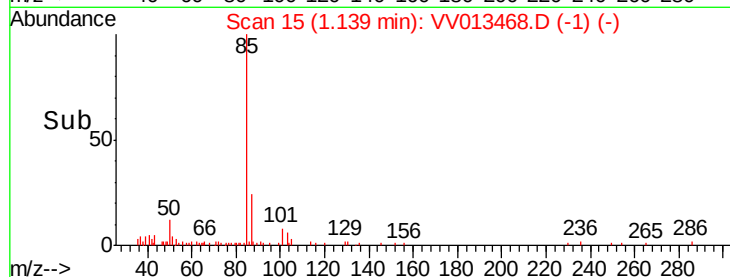
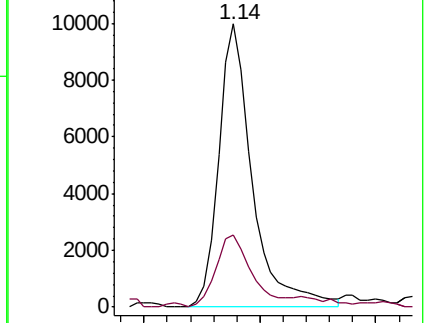
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.887 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013468.D

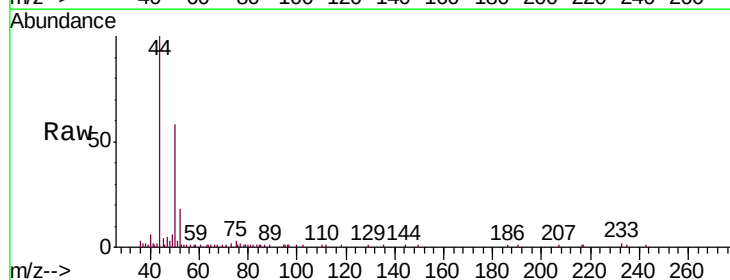
Acq: 01 Nov 2019 14:57

Tgt Ion: 50 Resp: 9757

Ion Ratio Lower Upper

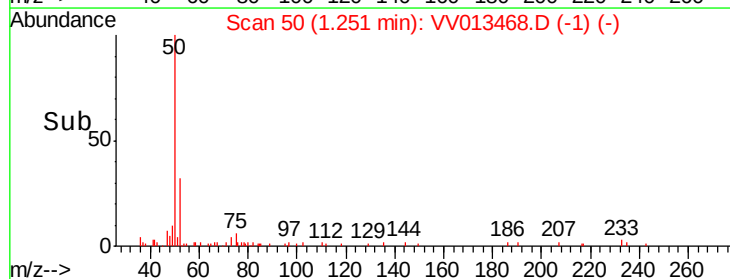
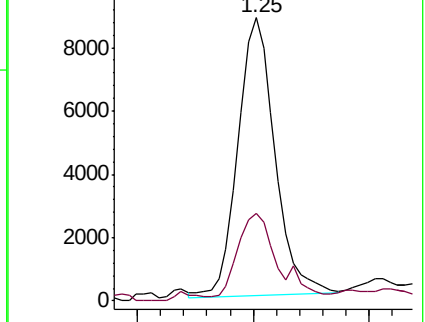
50 100

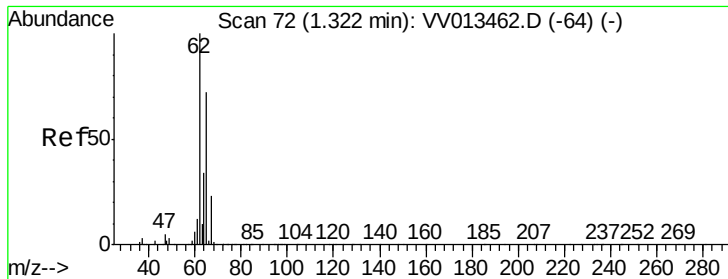
52 30.8 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 0.967 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

MDL02

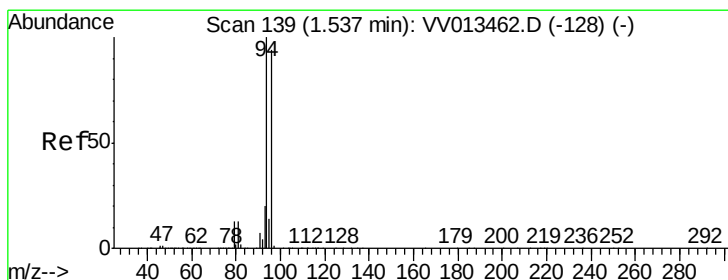
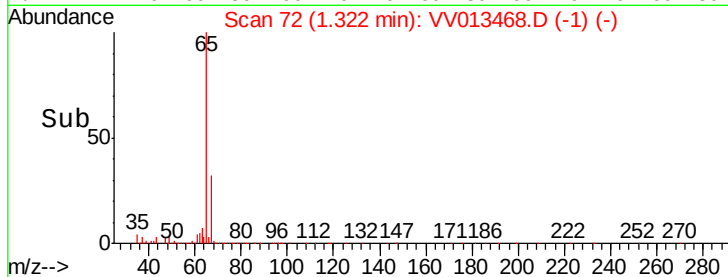
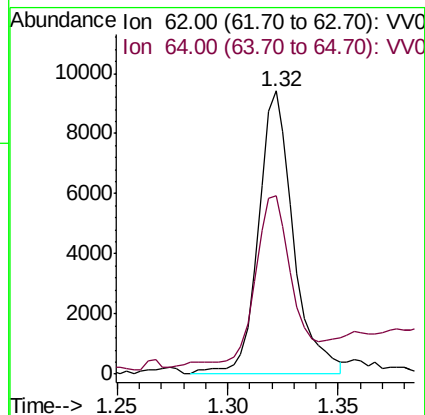
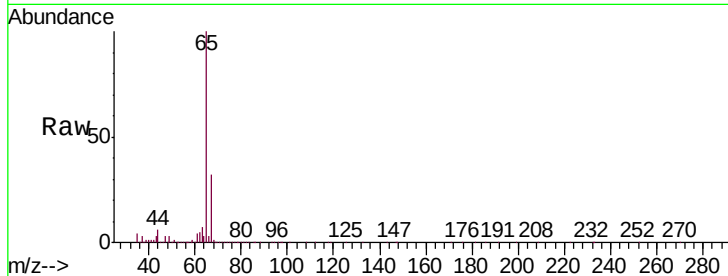
Tgt Ion: 62 Resp: 10407
Ion Ratio Lower Upper

62 100

64 63.2 23.8 44.2#

Manual Integrations
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#6

Bromomethane

Concen: 1.080 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

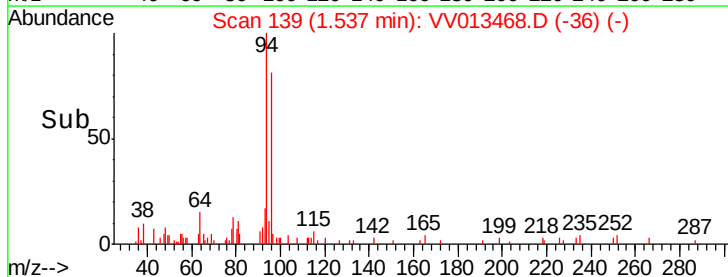
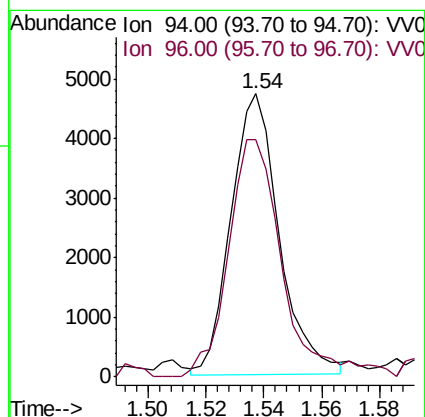
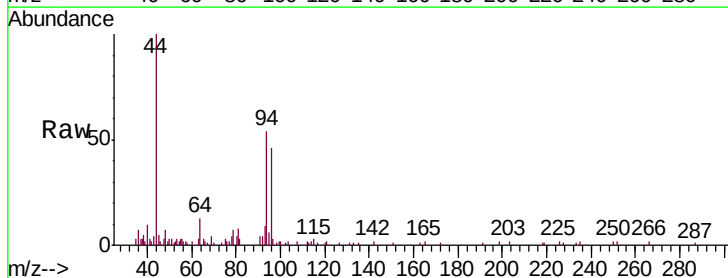
Lab File: VV013468.D

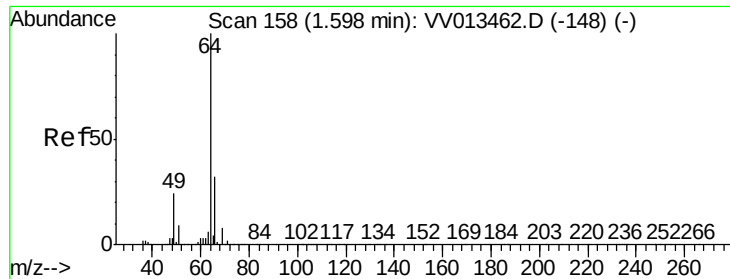
Acq: 01 Nov 2019 14:57

Tgt Ion: 94 Resp: 5466
Ion Ratio Lower Upper

94 100

96 92.3 9.4 177.8





#8

Chloroethane

Concen: 0.927 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tgt Ion: 64 Resp: 5540

Ion Ratio Lower Upper

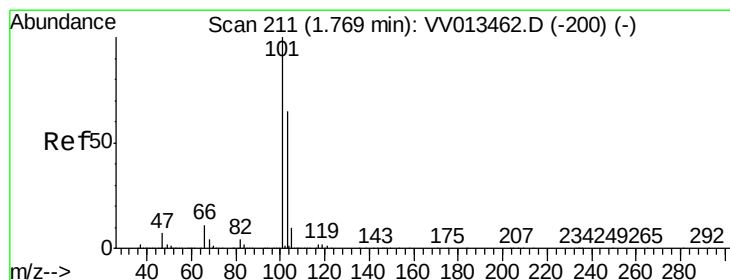
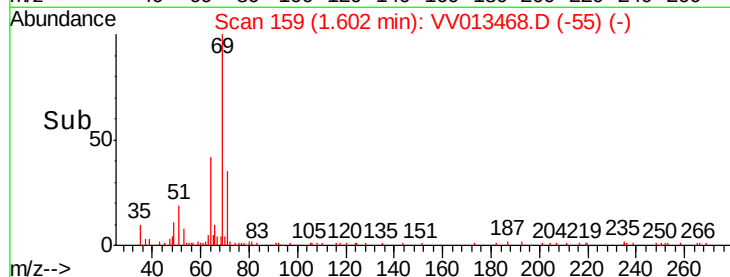
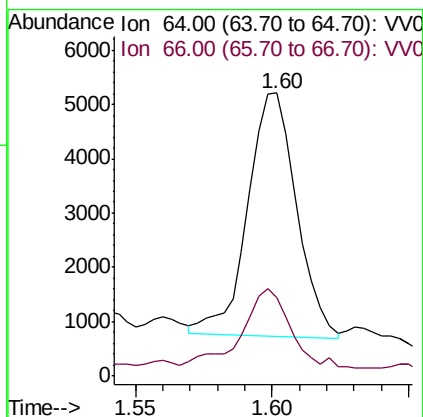
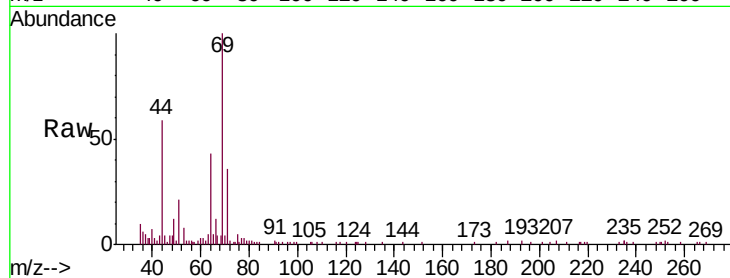
64 100

66 27.5 22.3 41.3

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.861 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013468.D

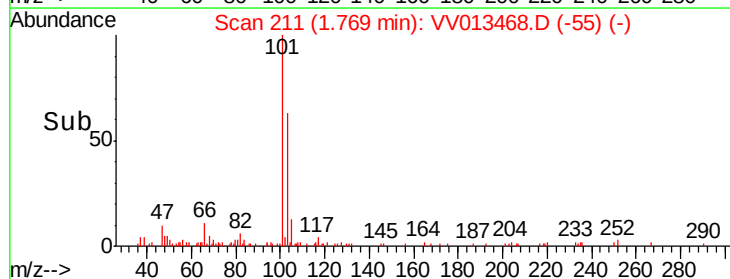
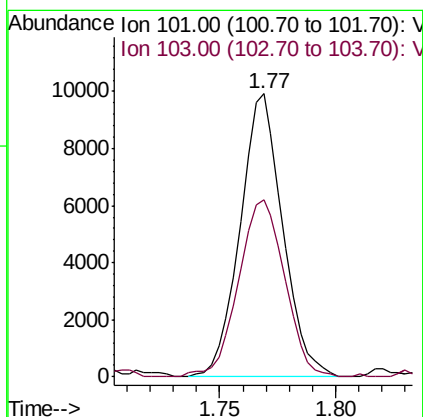
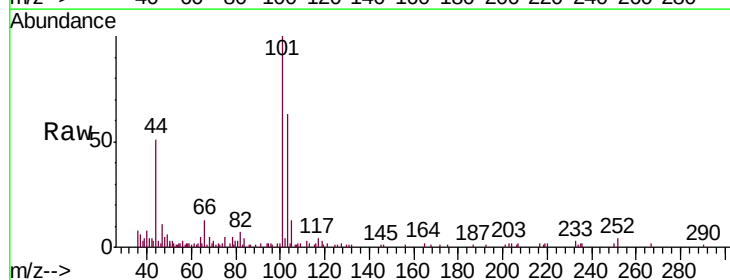
Acq: 01 Nov 2019 14:57

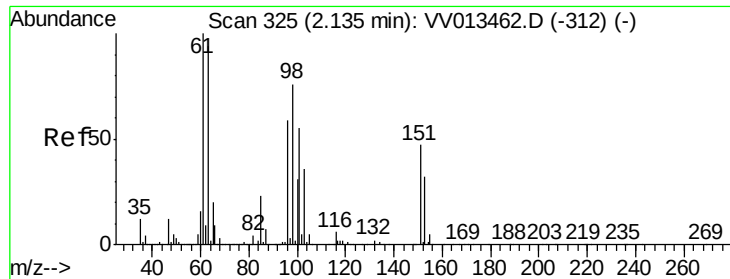
Tgt Ion: 101 Resp: 12686

Ion Ratio Lower Upper

101 100

103 67.6 45.1 83.9





#11

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

Concen: 1.206 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

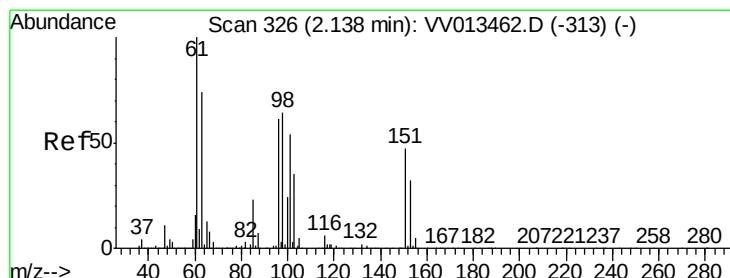
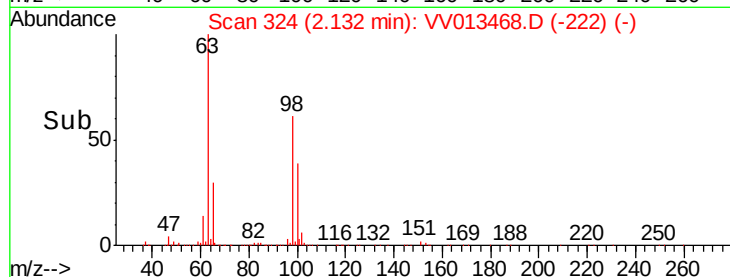
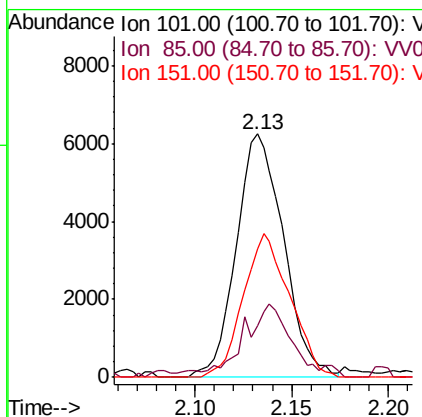
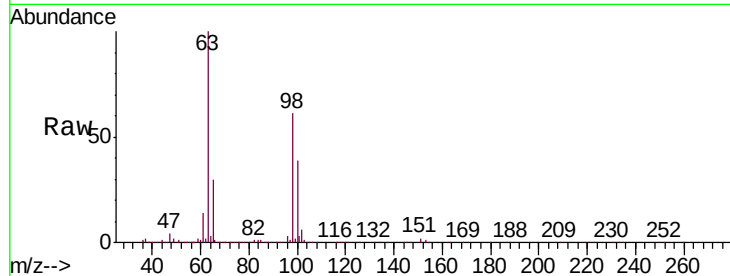
ClientSampleId :

MDL02

Tgt Ion:	101	Resp:	10608
Ion Ratio	Lower	Upper	
101	100		
85	20.5	33.1	49.7#
151	58.4	68.3	102.5#

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#12

1,1-Dichloroethene

Concen: 1.213 ug/L m

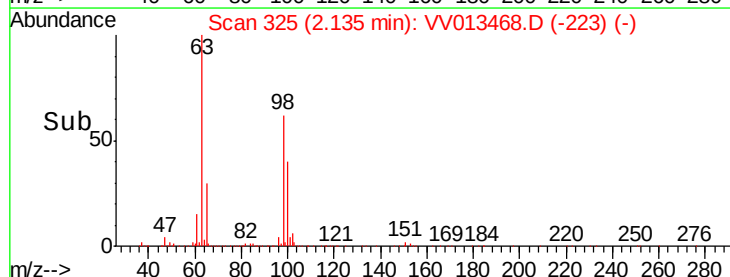
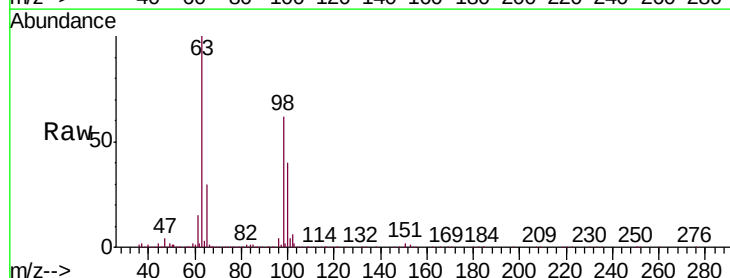
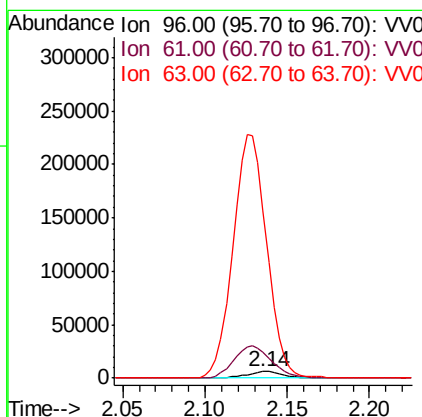
RT: 2.14 min Scan# 325

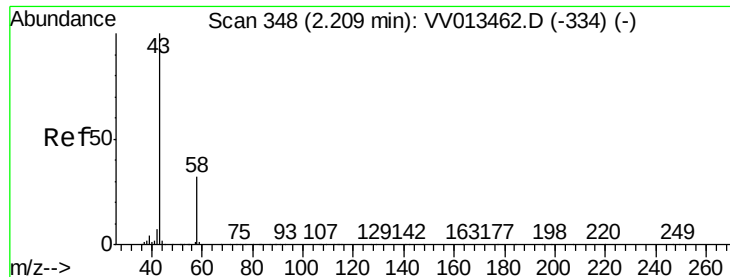
Delta R.T. -0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Tgt Ion:	96	Resp:	10088
Ion Ratio	Lower	Upper	
96	100		
61	387.1	114.7	212.9#
63	2527.7	84.7	157.3#





#13

Acetone

Concen: 3.508 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tgt Ion: 43 Resp: 18731

Ion Ratio Lower Upper

43 100

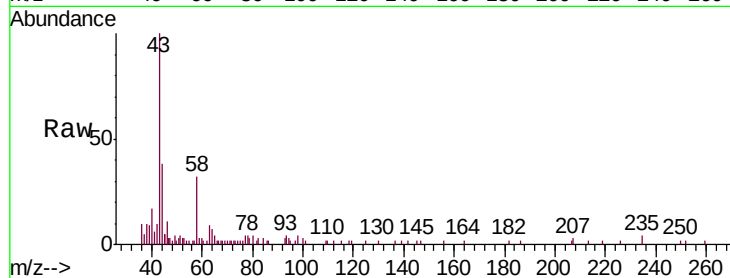
58 16.8 0.0 63.2

Manual Integrations

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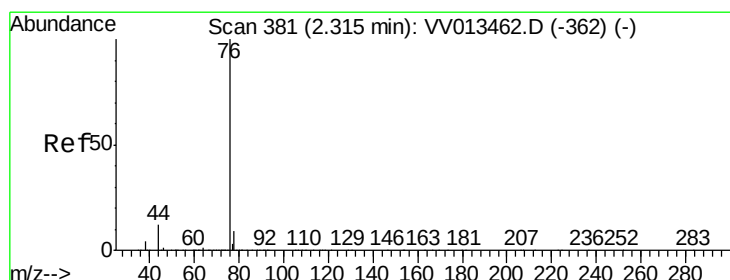
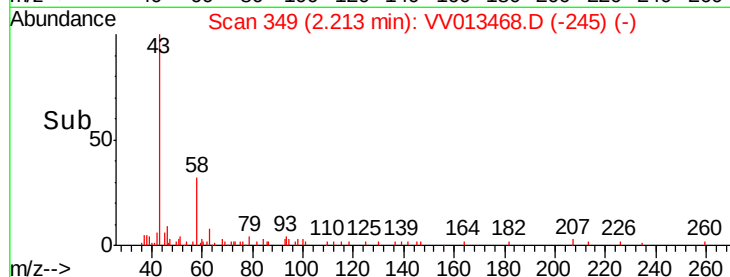
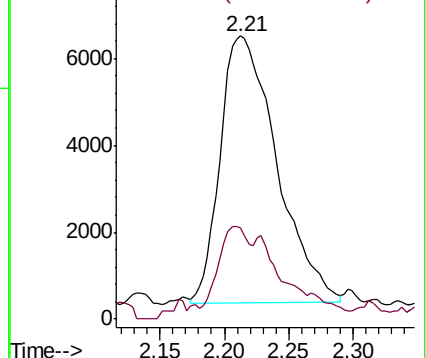
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Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 0.803 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013468.D

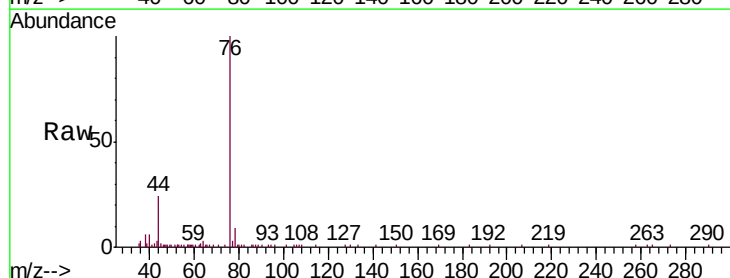
Acq: 01 Nov 2019 14:57

Tgt Ion: 76 Resp: 25901

Ion Ratio Lower Upper

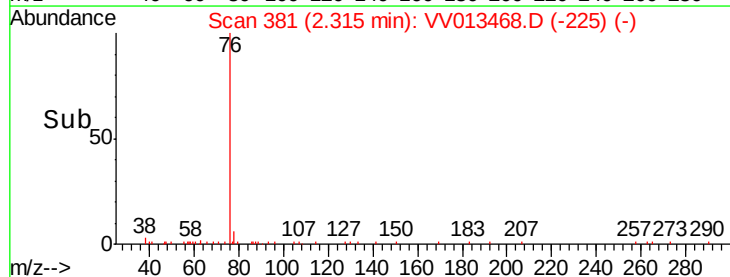
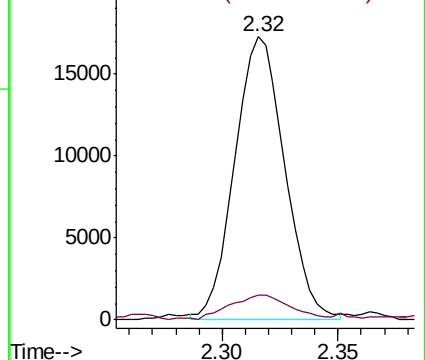
76 100

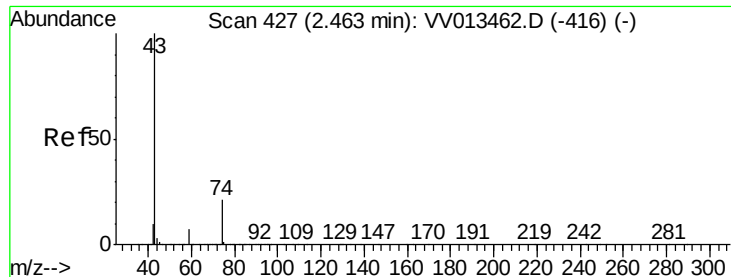
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





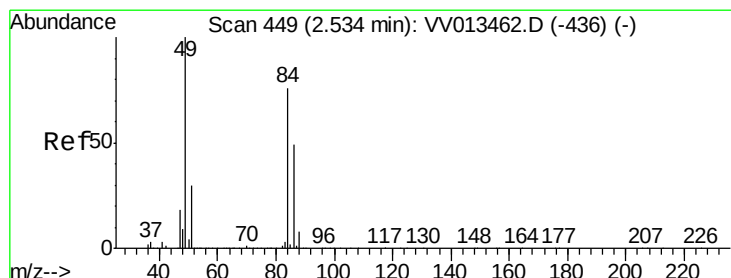
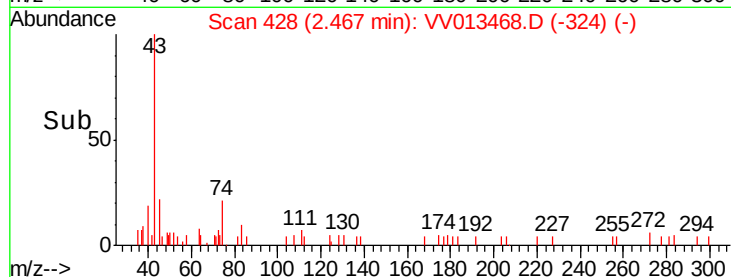
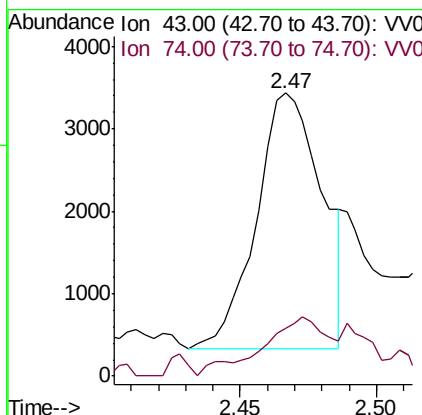
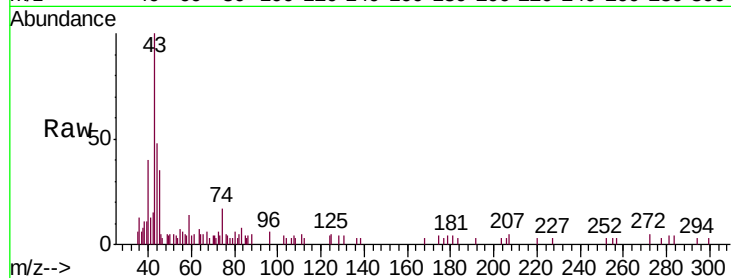
#15
Methyl Acetate
Concen: 0.643 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.9	25.3

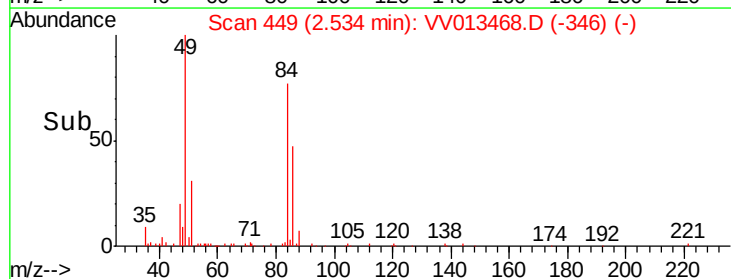
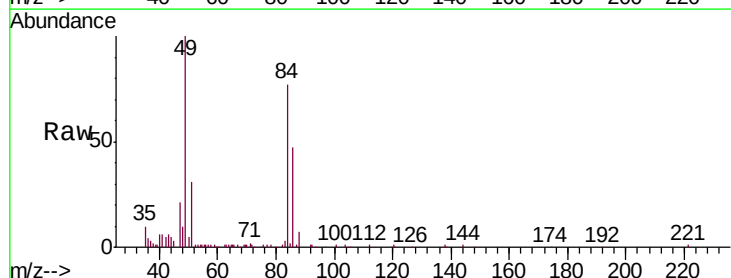
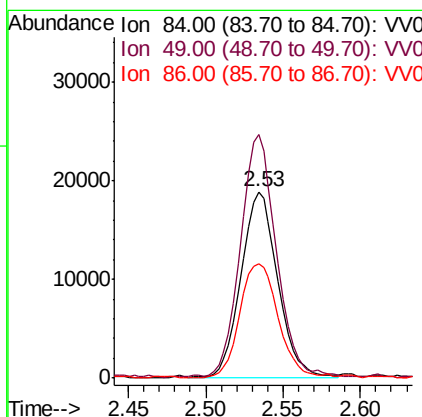
Manual Integrations
APPROVED

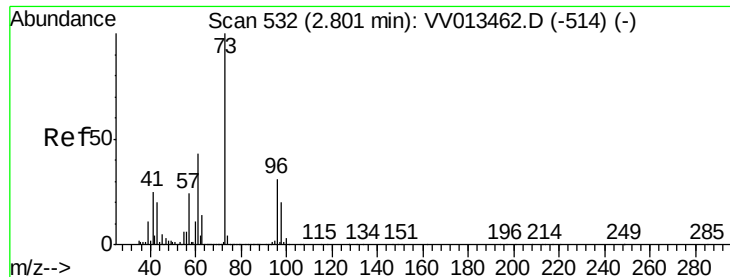
MMDadoda
11/4/2019 12:38:31 PM



#16
Methylene chloride
Concen: 2.440 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	92.4	171.6
86	61.0	45.1	83.7





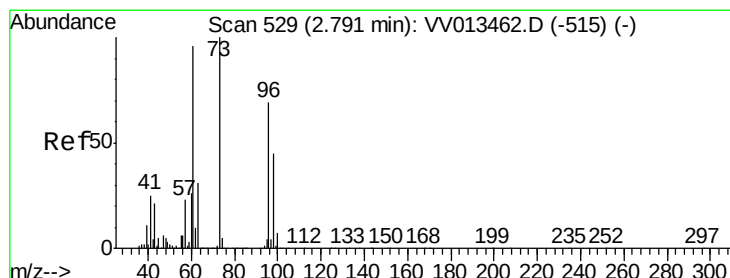
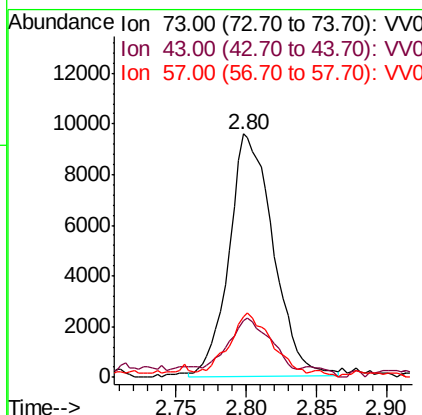
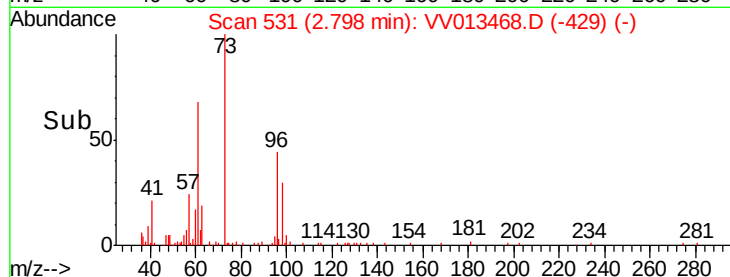
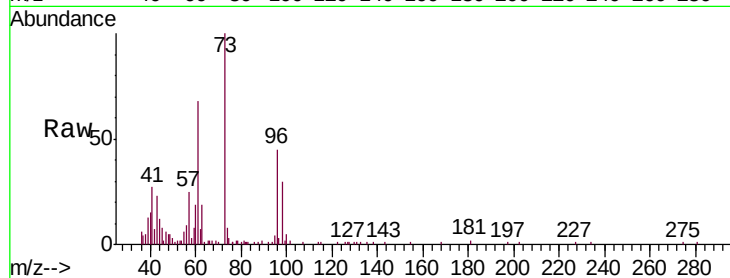
#17
Methyl tert-butyl Ether
Concen: 0.769 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.4	16.2	24.2
57	23.1	18.6	27.8

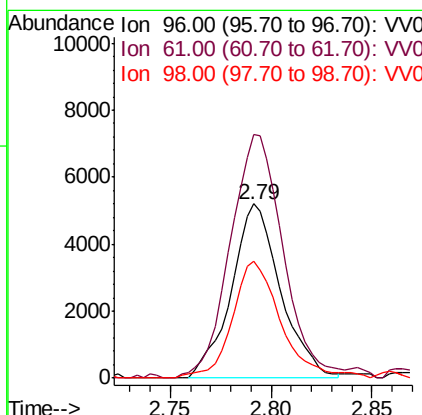
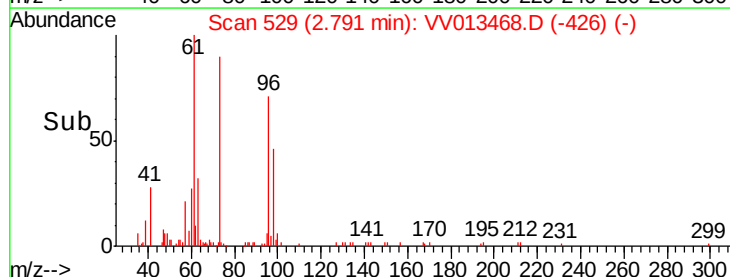
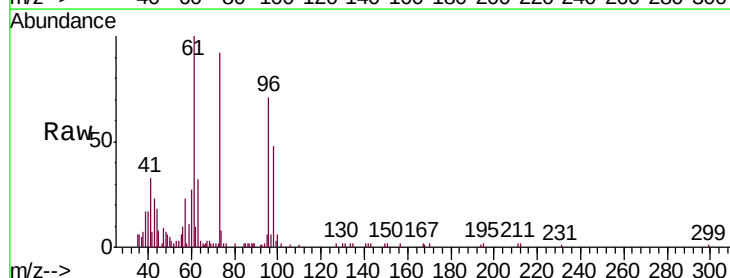
Manual Integrations
APPROVED

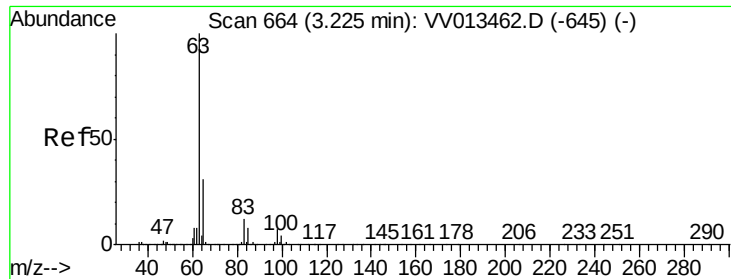
MMDadoda
11/4/2019 12:38:31 PM



#18
trans-1,2-Dichloroethene
Concen: 0.804 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.9	98.0	182.0
98	67.0	45.6	84.8





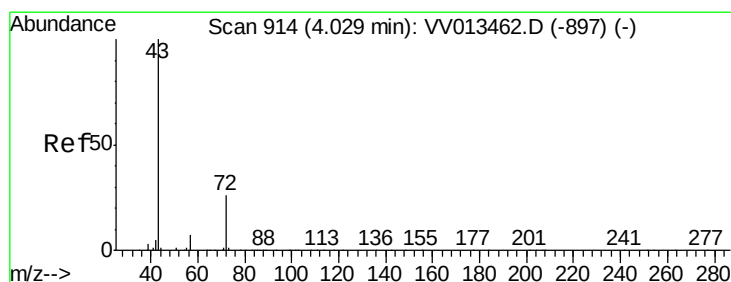
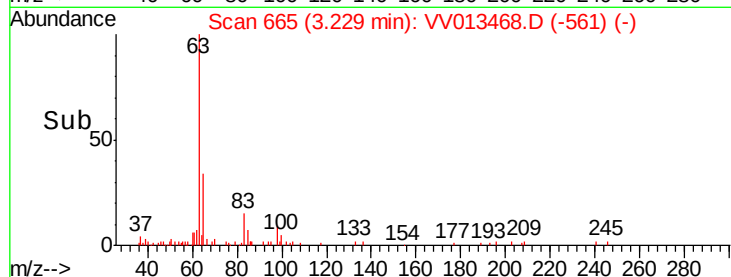
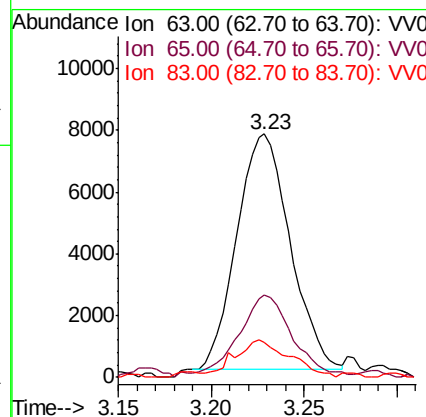
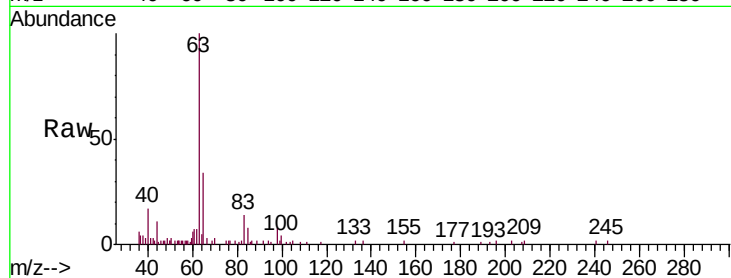
#19
 1,1-Dichloroethane
 Concen: 0.759 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion:	63	Resp:	15335
Ion	Ratio	Lower	Upper
63	100		
65	33.6	21.7	40.3
83	14.5	8.8	16.3

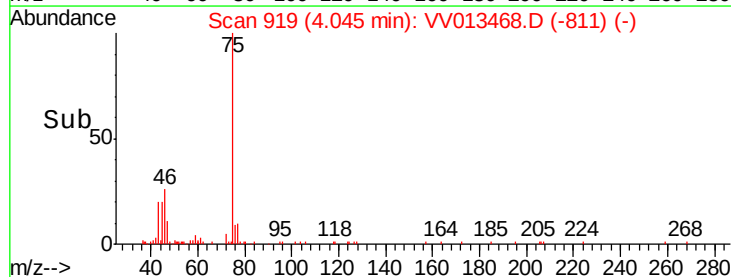
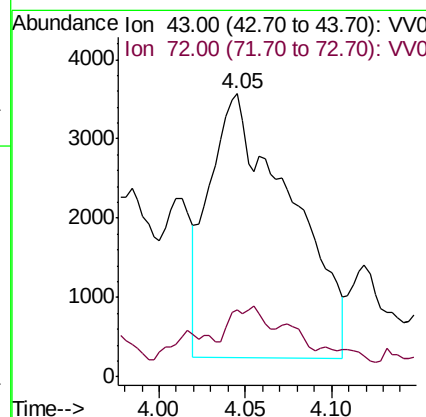
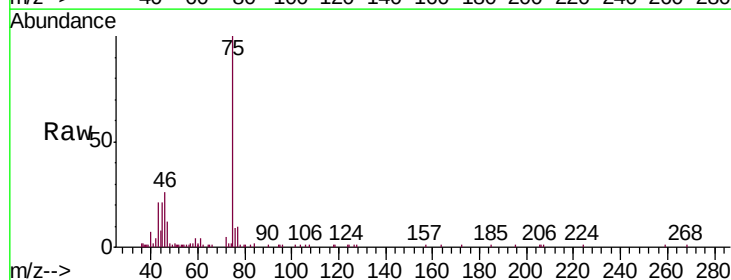
Manual Integrations
 APPROVED

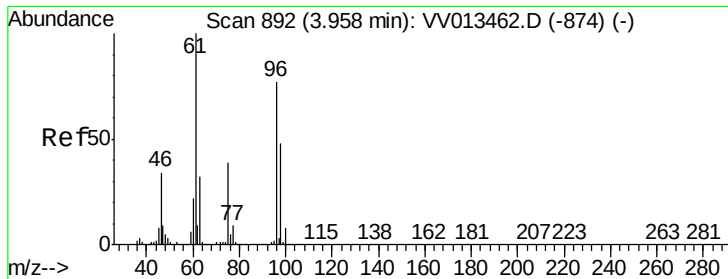
MMDadoda
 11/4/2019 12:38:31 PM



#21
 2-Butanone
 Concen: 1.980 ug/L m
 RT: 4.05 min Scan# 919
 Delta R.T. 0.02 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion:	43	Resp:	10907
Ion	Ratio	Lower	Upper
43	100		
72	1.1	12.1	36.3#





#22

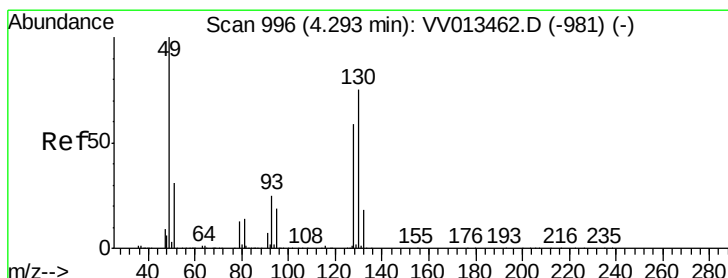
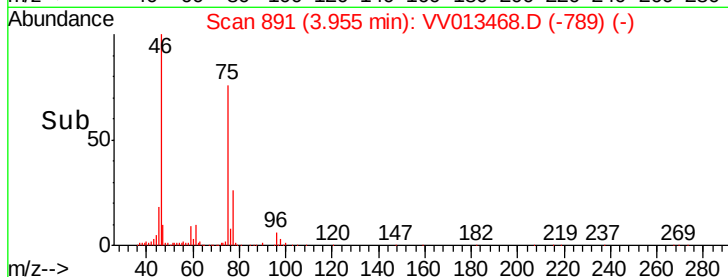
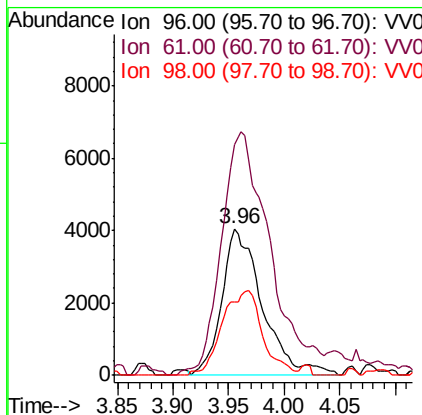
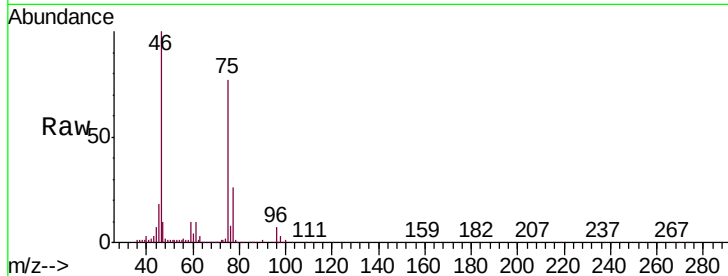
cis-1,2-Dichloroethene
Concen: 0.882 ug/L m
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	91.5	169.9
98	49.8	43.8	81.3

Manual Integrations
APPROVED

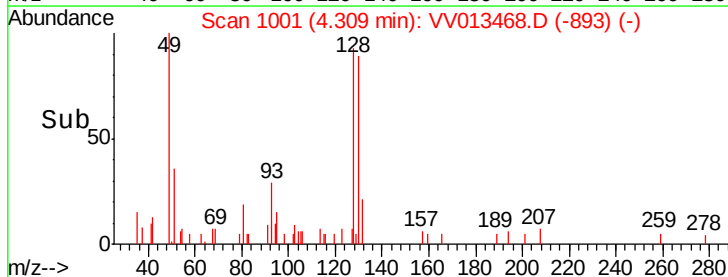
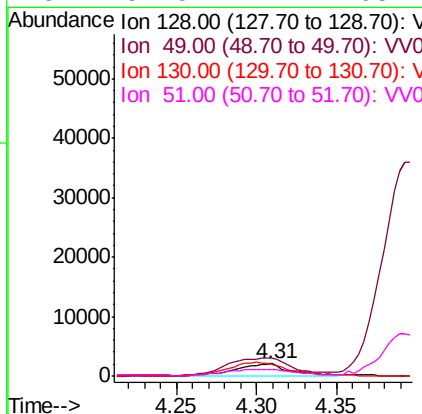
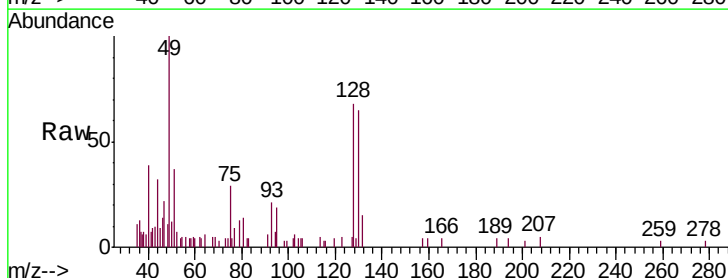
MMDadoda
11/4/2019 12:38:31 PM

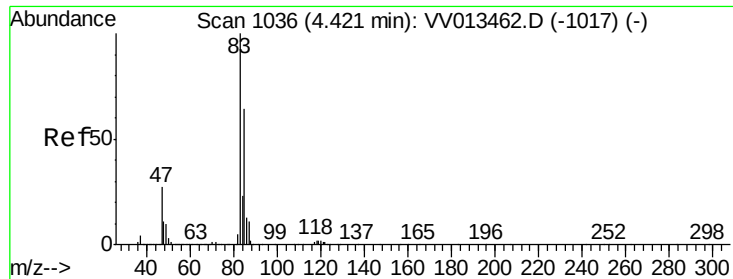


#23

Bromochloromethane
Concen: 0.871 ug/L
RT: 4.31 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
128	100		
49	147.8	118.2	219.4
130	96.6	89.0	165.4
51	54.5	42.2	63.4





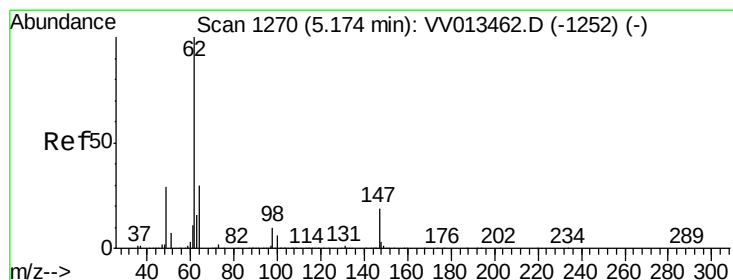
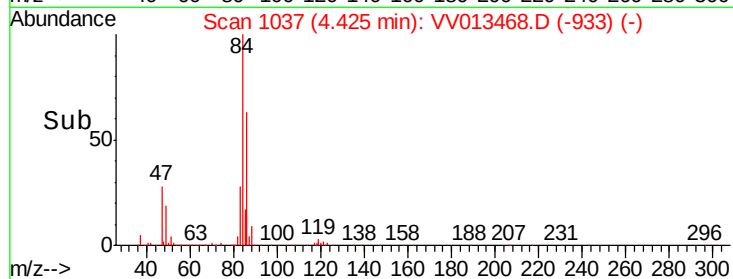
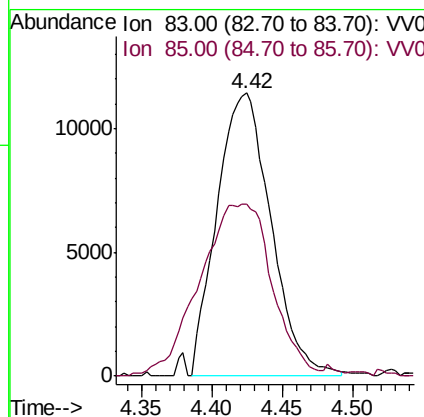
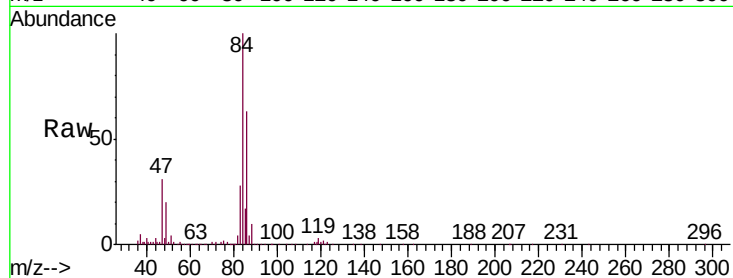
#25
Chloroform
Concen: 1.478 ug/L m
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.3	45.8	85.0#

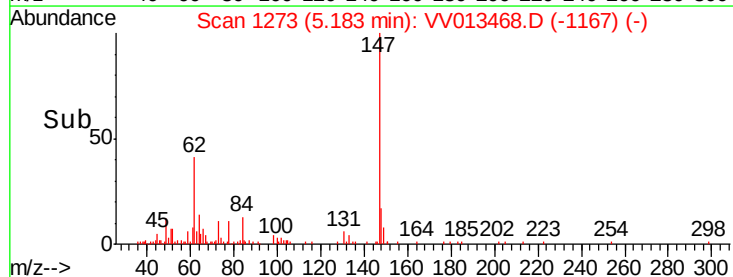
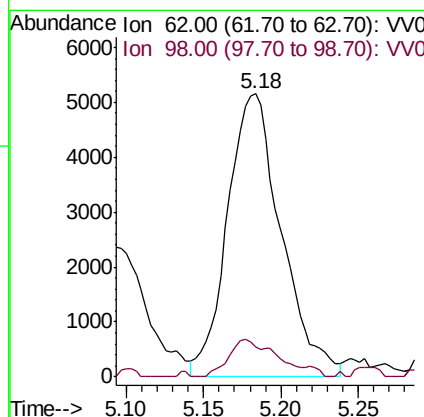
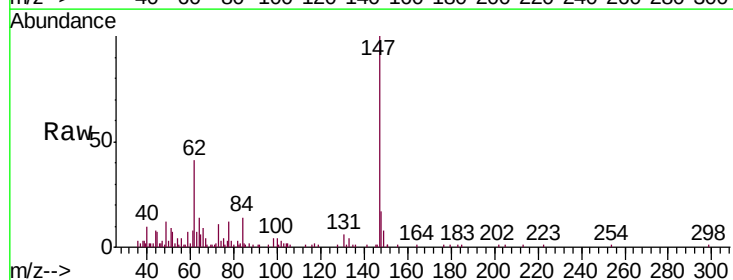
Manual Integrations
APPROVED

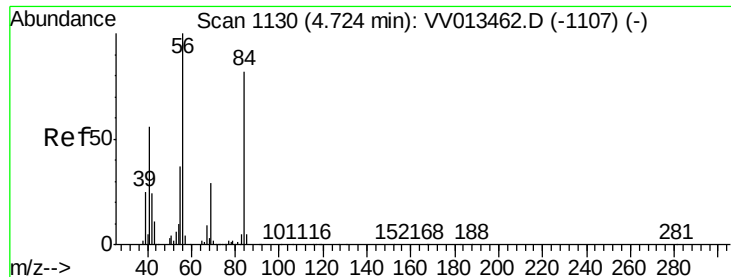
MMDadoda
11/4/2019 12:38:31 PM



#27
1,2-Dichloroethane
Concen: 0.867 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	7.8	11.6





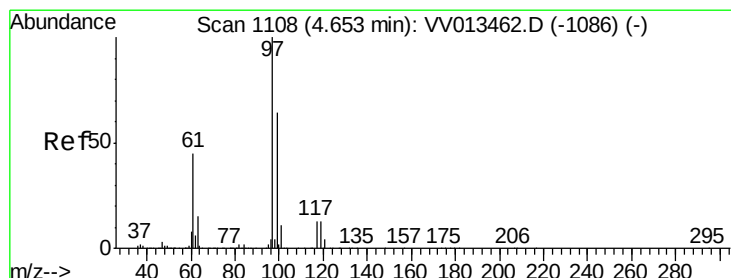
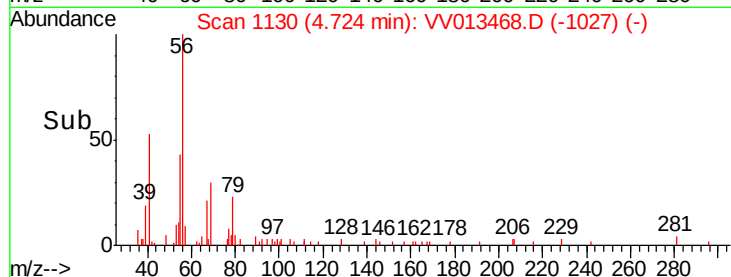
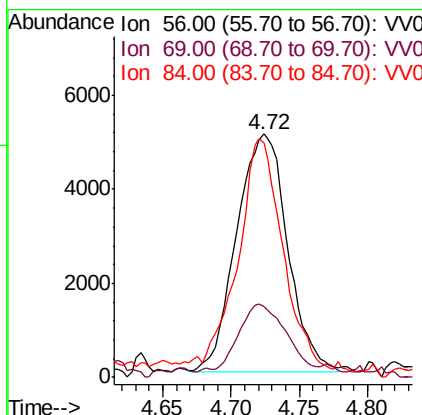
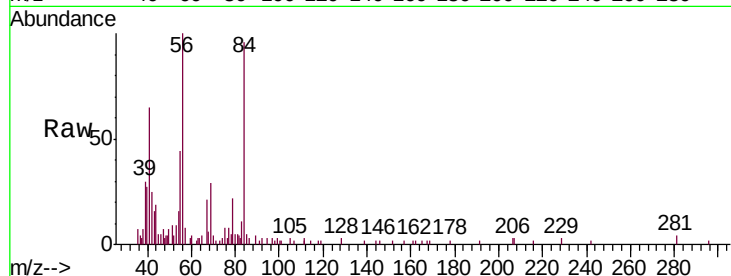
#30
Cyclohexane
Concen: 0.726 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.0	34.6
84	83.7	66.2	99.4

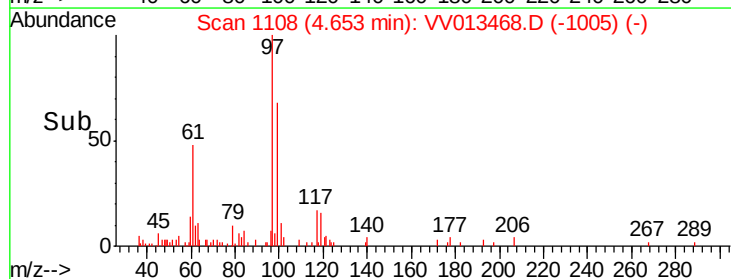
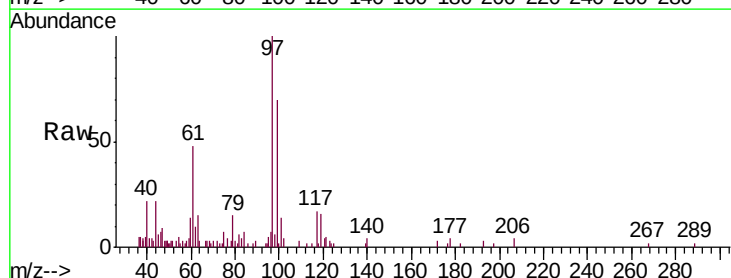
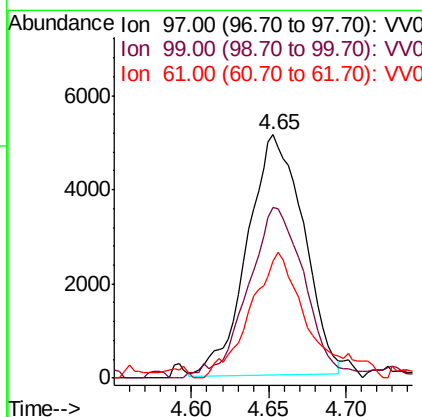
Manual Integrations
APPROVED

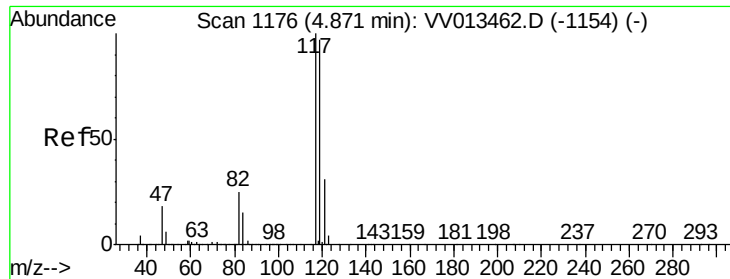
MMDadoda
11/4/2019 12:38:31 PM



#31
1,1,1-Trichloroethane
Concen: 0.759 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	37.8	36.3	54.5





#32

Carbon tetrachloride

Concen: 0.791 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tgt Ion:117 Resp: 11956

Ion Ratio Lower Upper

117 100

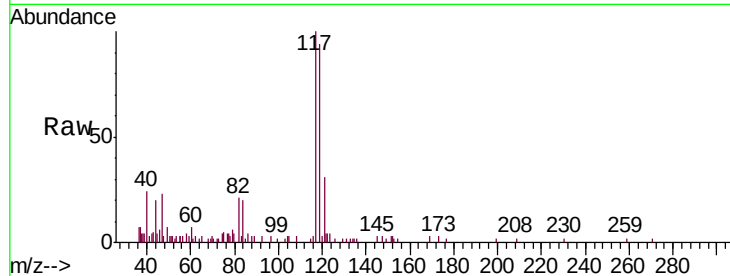
119 95.7 77.4 116.0

Manual Integrations

APPROVED

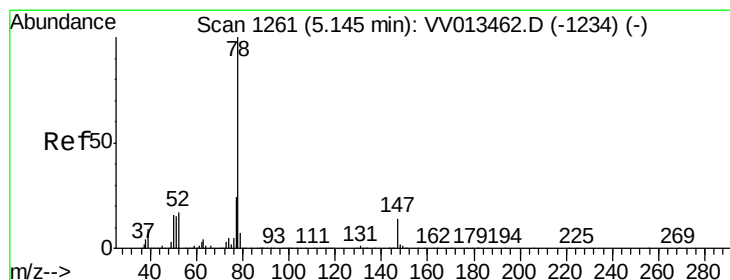
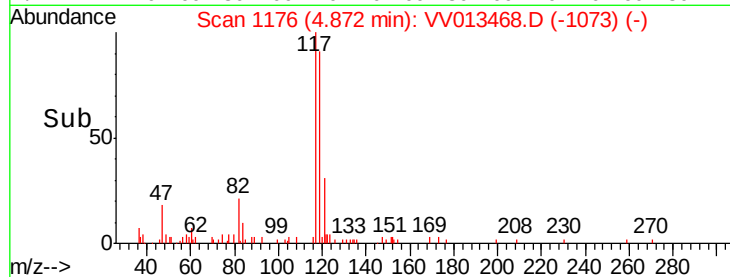
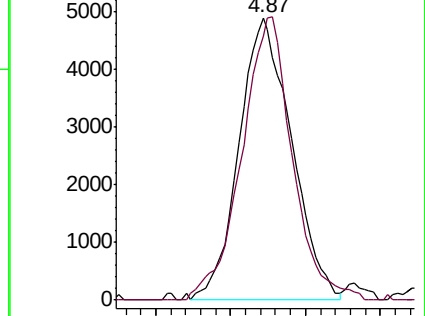
MMDadoda

11/4/2019 12:38:31 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.808 ug/L

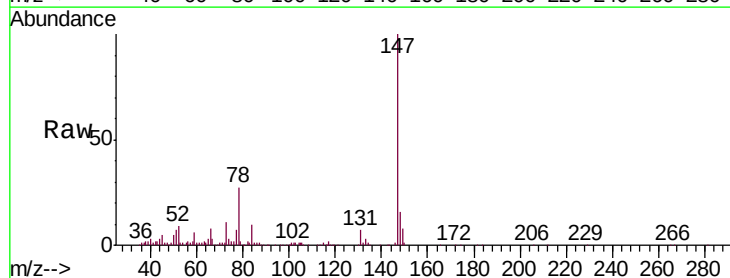
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

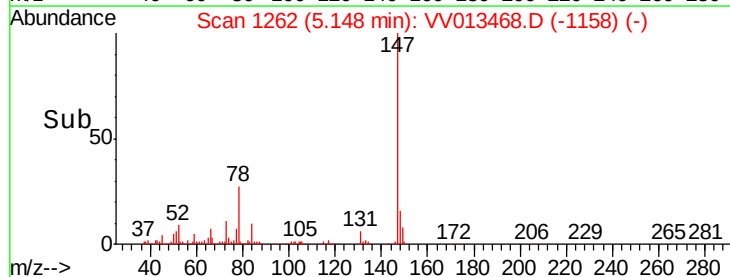
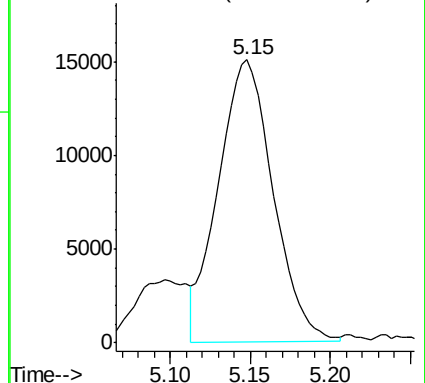
Lab File: VV013468.D

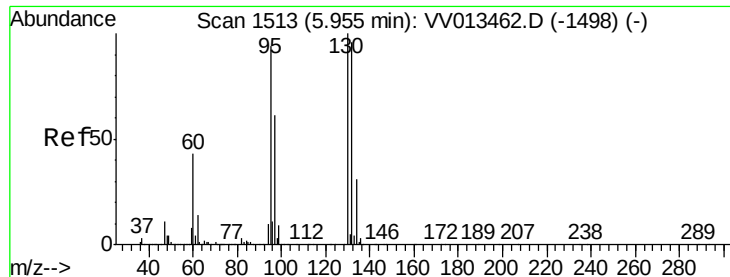
Acq: 01 Nov 2019 14:57

Tgt Ion: 78 Resp: 35448



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 0.918 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

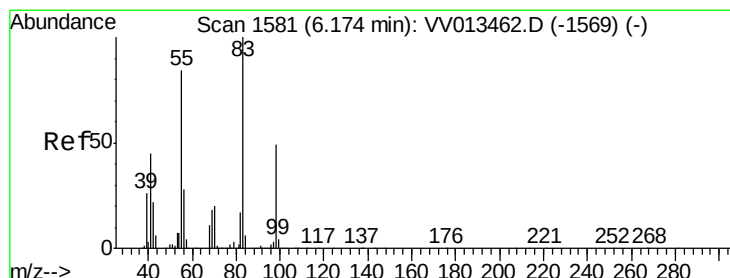
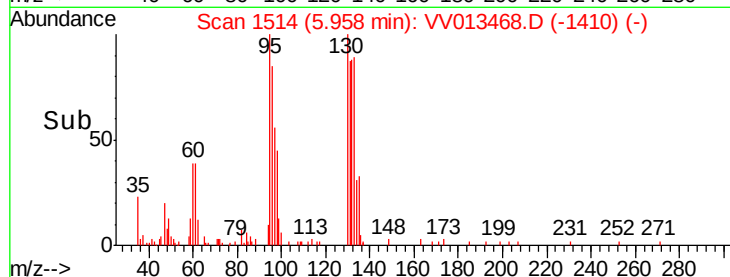
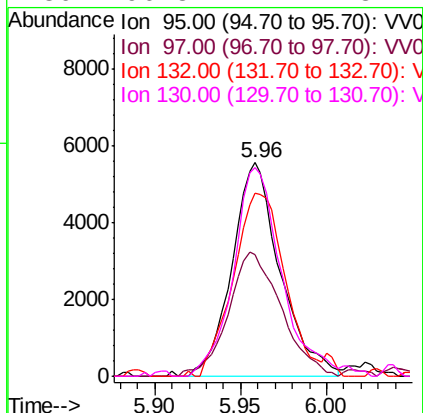
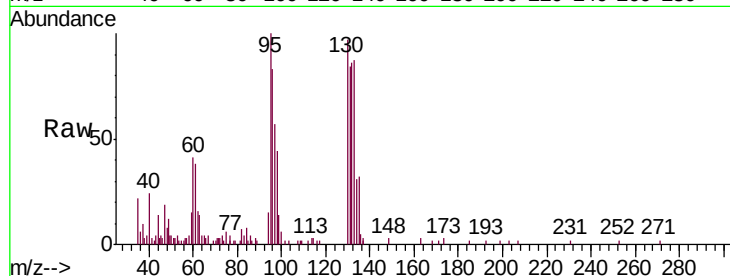
ClientSampleId :

MDL02

Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.7	83.1
132	91.4	71.0	131.8
130	96.8	74.1	137.7

Manual Integrations
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11/4/2019 12:38:31 PM



#36

Methylcyclohexane

Concen: 0.708 ug/L

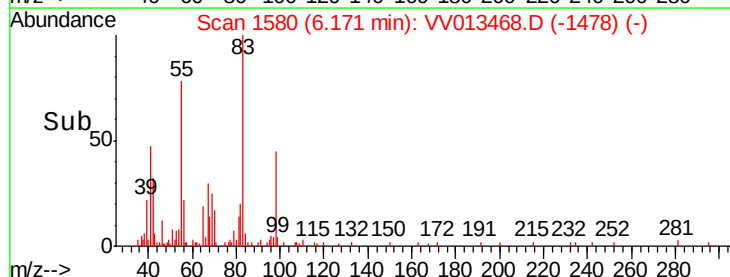
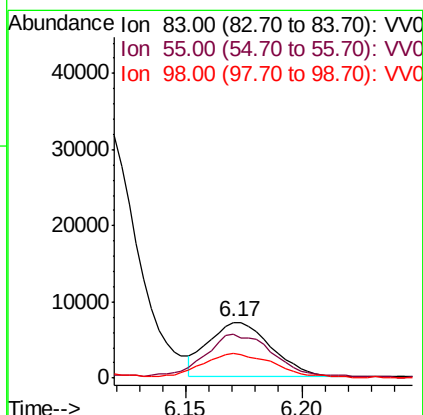
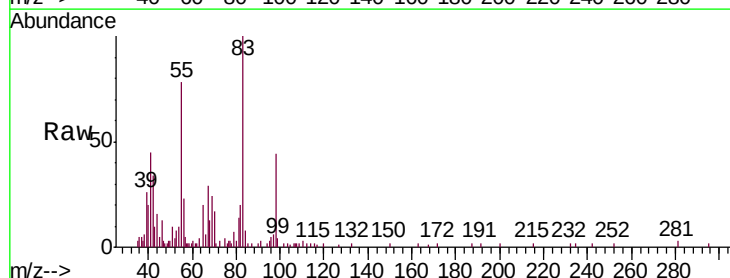
RT: 6.17 min Scan# 1580

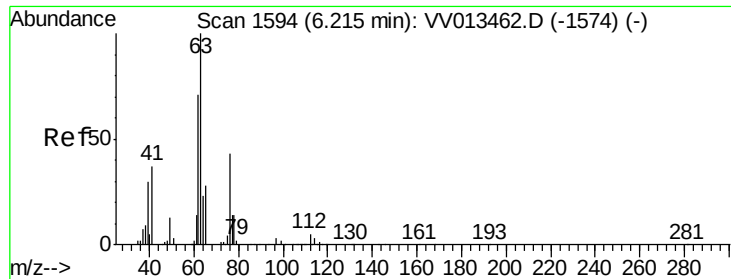
Delta R.T. -0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.5	64.2	96.4
98	45.4	38.4	57.6





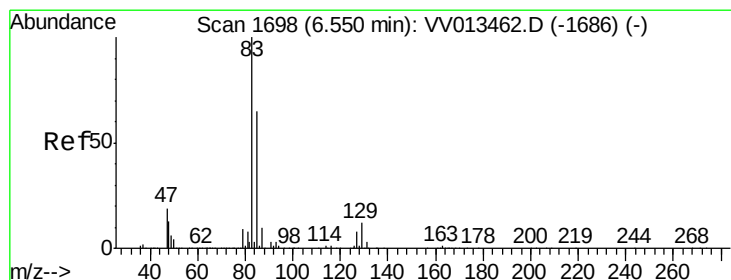
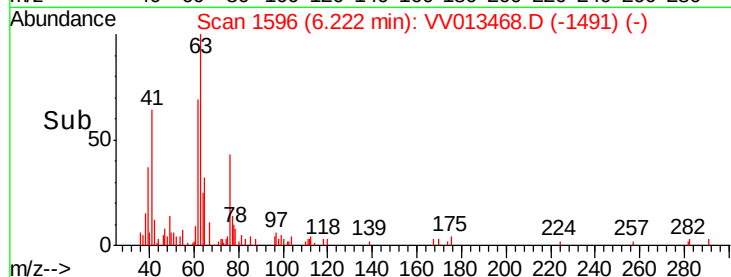
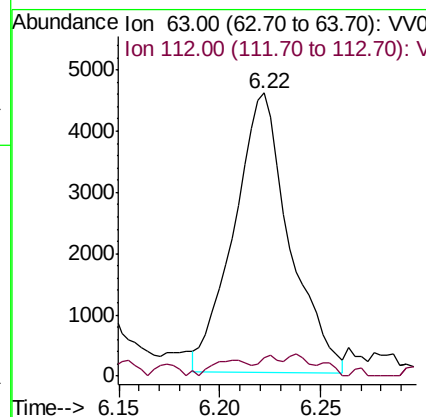
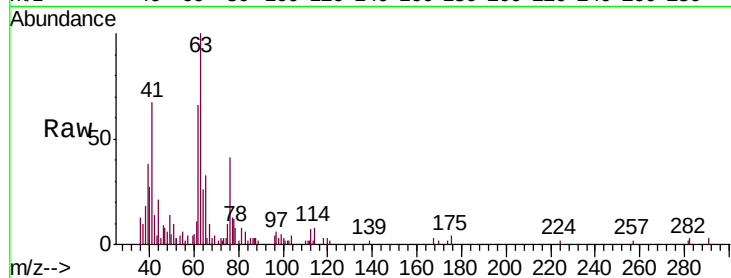
#40
 1,2-Dichloropropane
 Concen: 0.793 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tgt Ion	Ratio	Lower	Upper
63	100		
112	2.8	3.8	5.6#

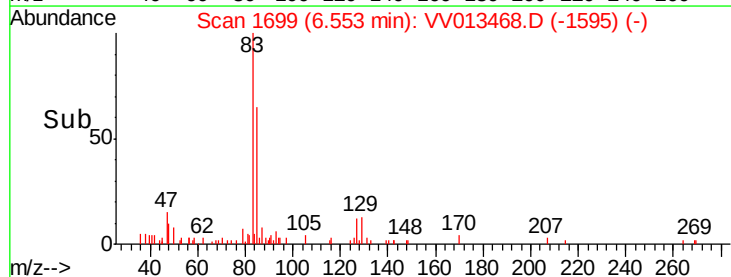
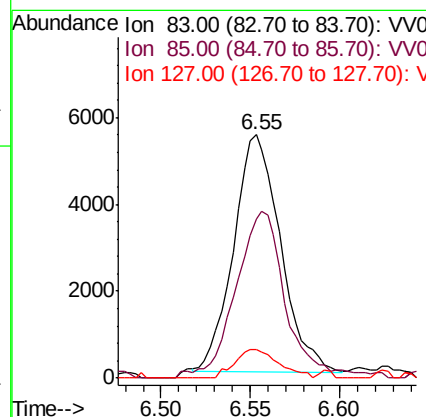
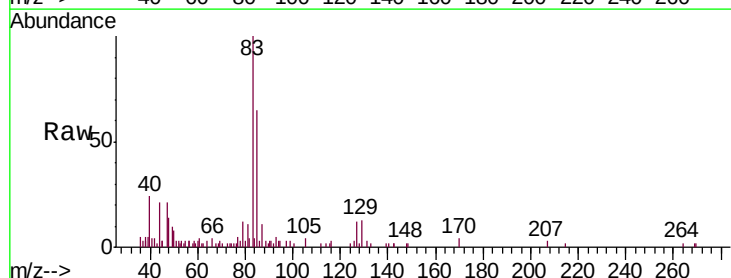
Manual Integrations
 APPROVED

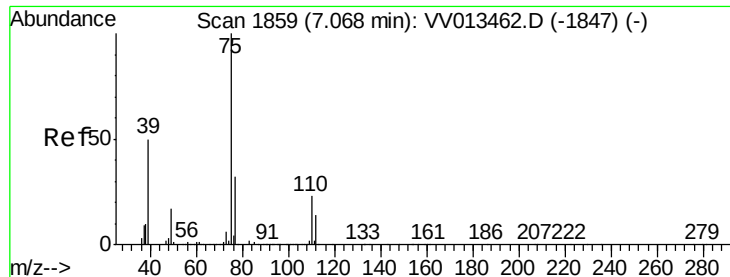
MMDadoda
 11/4/2019 12:38:31 PM



#41
 Bromodichloromethane
 Concen: 0.703 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.4	84.4
127	11.5	6.7	10.1#





#42

cis-1,3-Dichloropropene

Concen: 0.764 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tgt Ion: 75 Resp: 12508

Ion Ratio Lower Upper

75 100

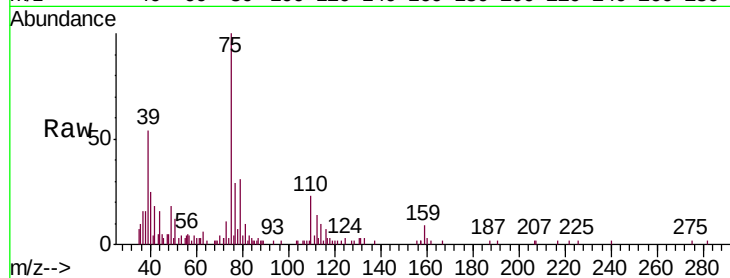
77 29.2 22.7 42.1

Manual Integrations

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MMDadoda

11/4/2019 12:38:31 PM



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.07

6000

4000

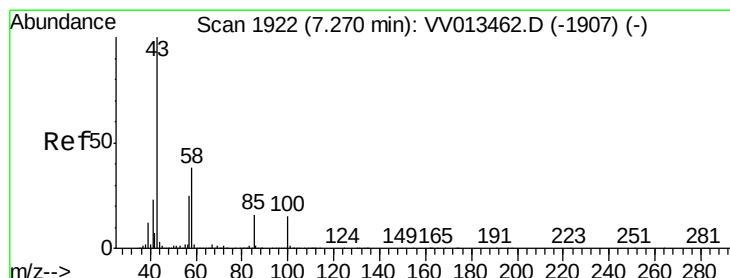
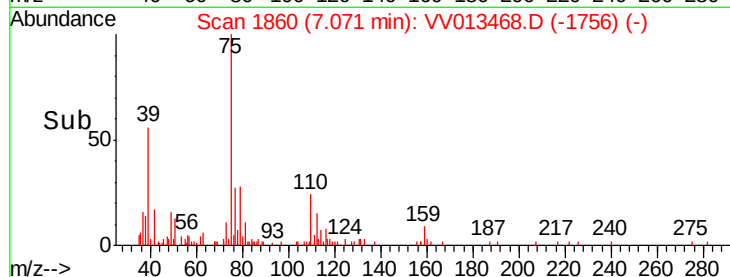
2000

0

Time-->

7.05

7.10



#43

4-Methyl-2-pentanone

Concen: 1.866 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.01 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

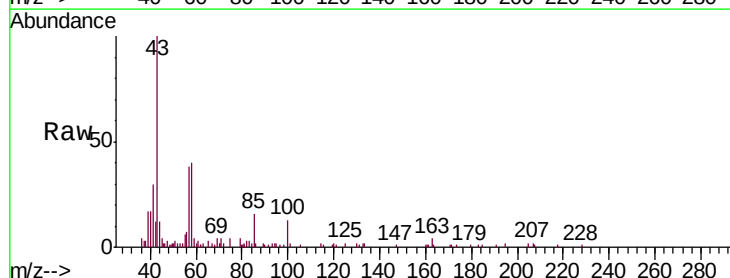
Tgt Ion: 43 Resp: 19023

Ion Ratio Lower Upper

43 100

58 40.5 29.9 44.9

100 8.8 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

400000

300000

200000

100000

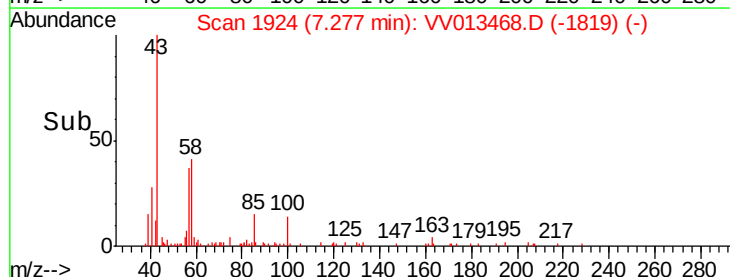
0

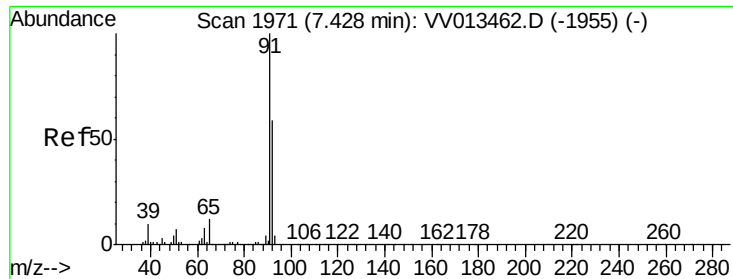
Time-->

7.20

7.25

7.30





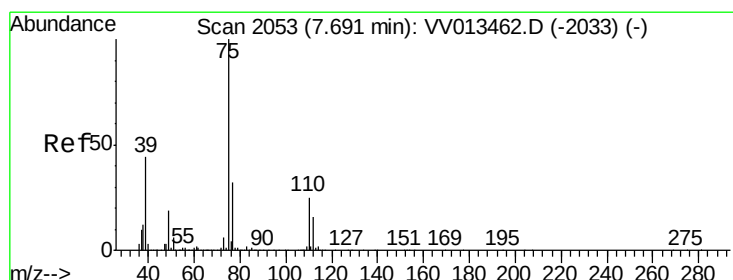
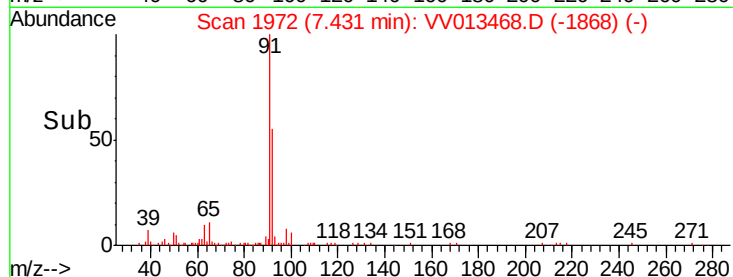
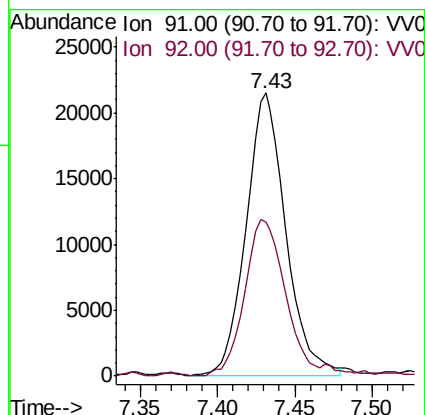
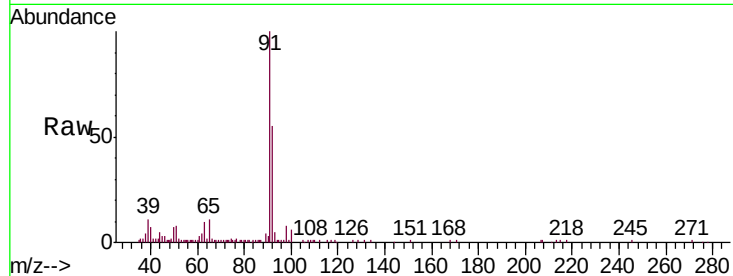
#44
Toluene
Concen: 0.862 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion: 91 Resp: 38628
Ion Ratio Lower Upper
91 100
92 54.7 41.4 76.8

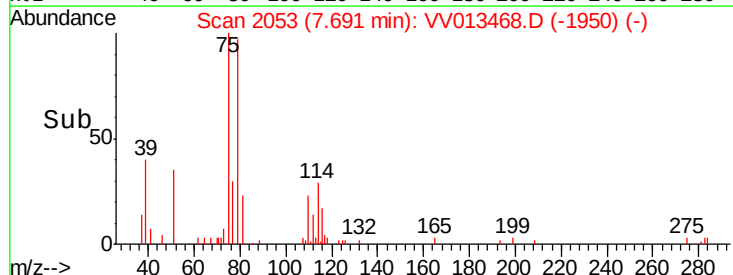
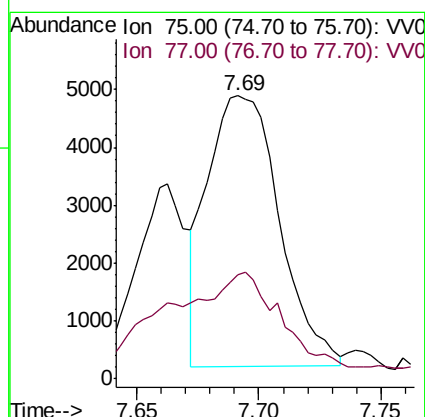
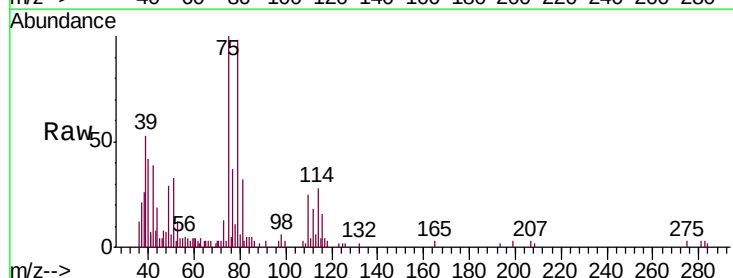
Manual Integrations
APPROVED

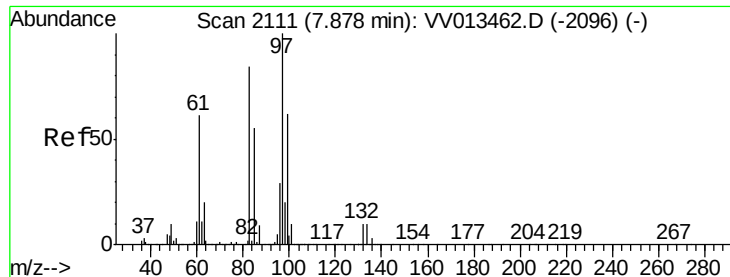
MMDadoda
11/4/2019 12:38:31 PM



#45
trans-1,3-Dichloropropene
Concen: 0.683 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion: 75 Resp: 9583
Ion Ratio Lower Upper
75 100
77 36.8 22.5 41.7





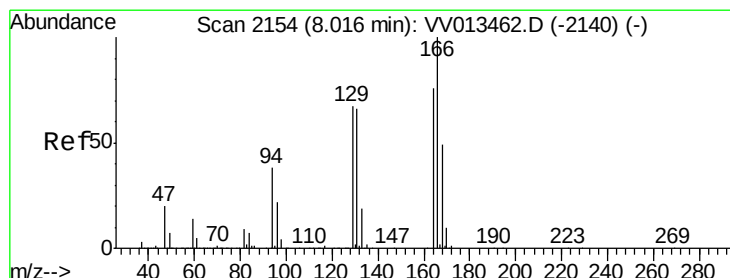
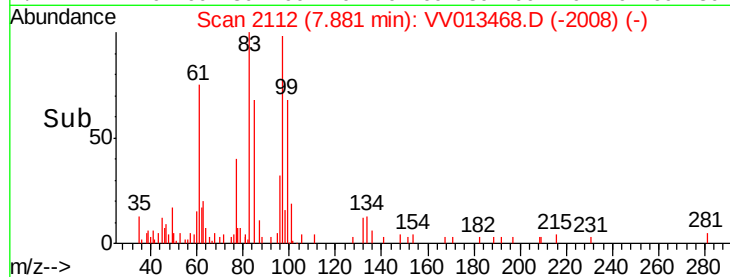
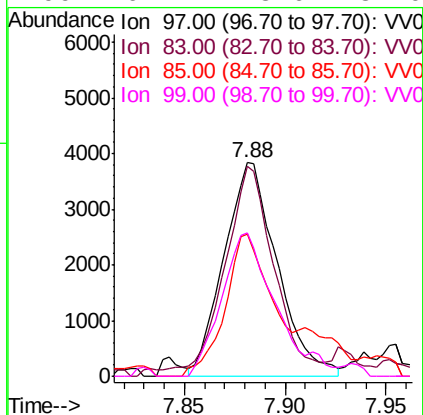
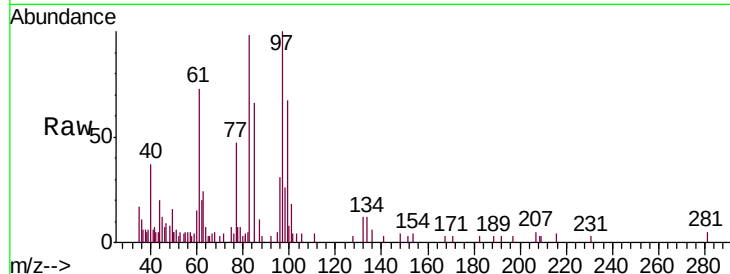
#46
 1,1,2-Trichloroethane
 Concen: 0.799 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	98.0	58.9	109.3
85	66.4	38.6	71.6
99	67.1	43.6	81.0

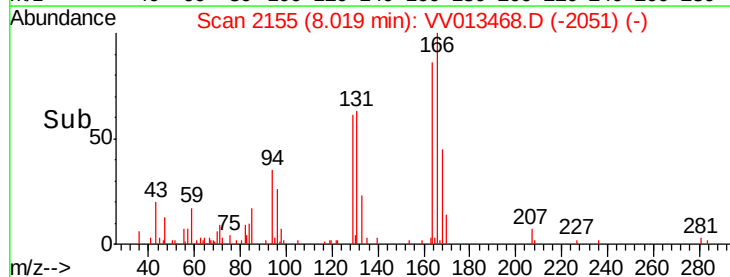
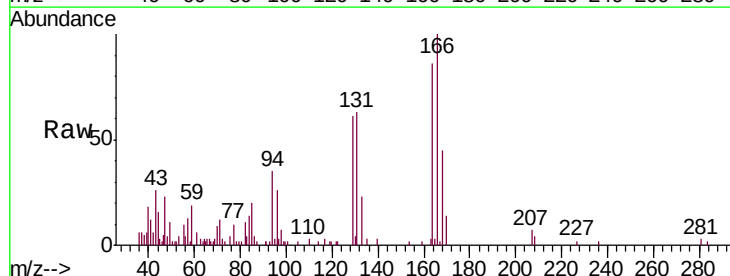
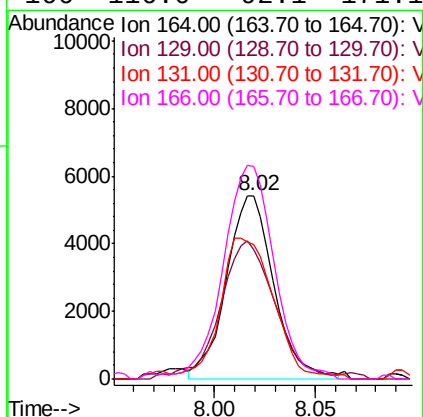
Manual Integrations
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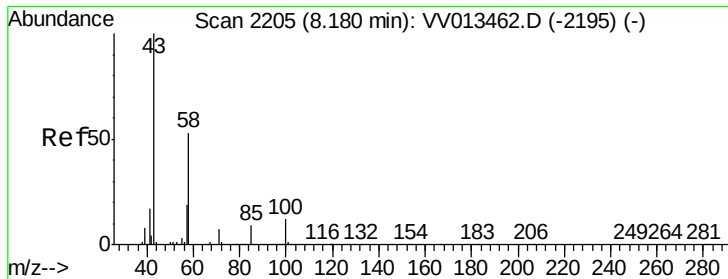
MMDadoda
 11/4/2019 12:38:31 PM



#47
 Tetrachloroethene
 Concen: 0.891 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
164	100		
129	70.4	61.8	114.8
131	73.1	61.0	113.2
166	116.0	92.1	171.1





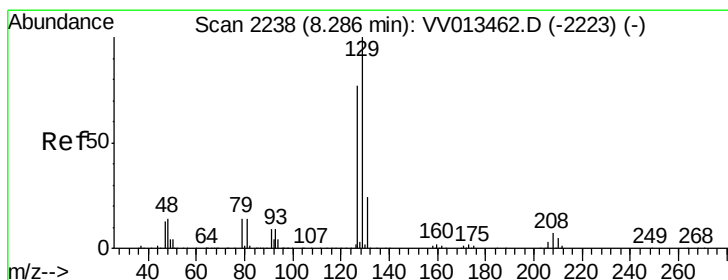
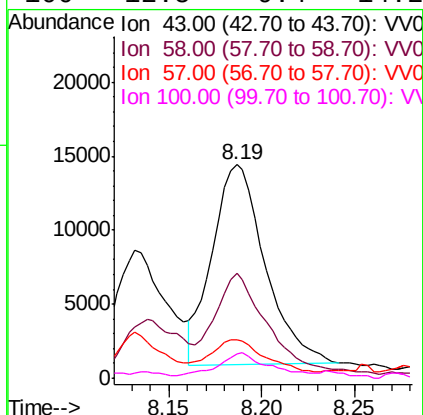
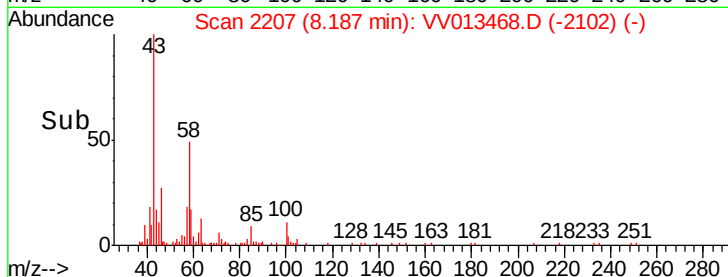
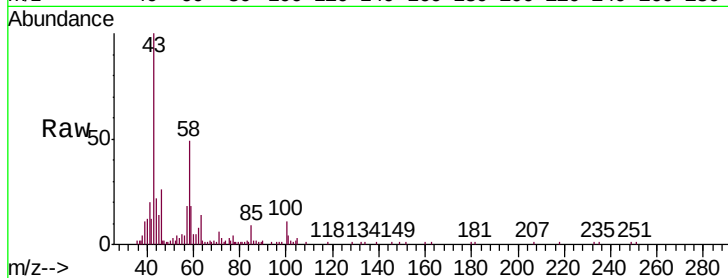
#49
2-Hexanone
Concen: 3.630 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.8	43.8	65.8
57	19.9	15.0	22.4
100	12.5	9.4	14.2

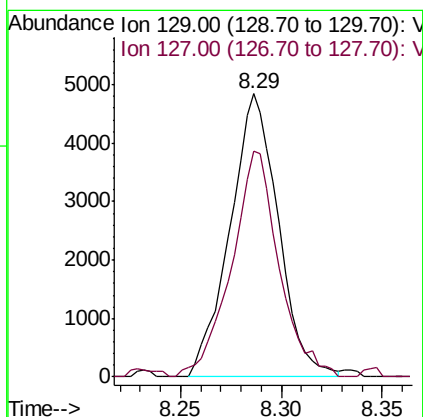
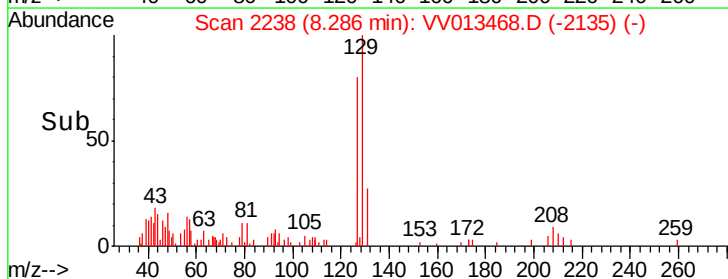
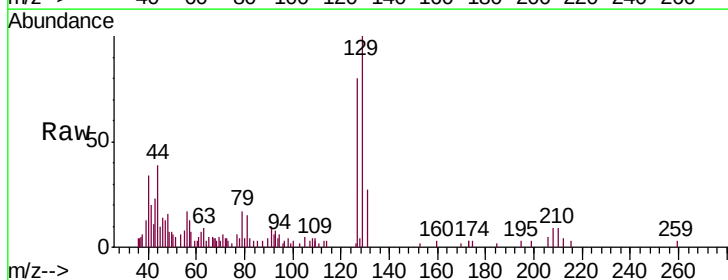
Manual Integrations
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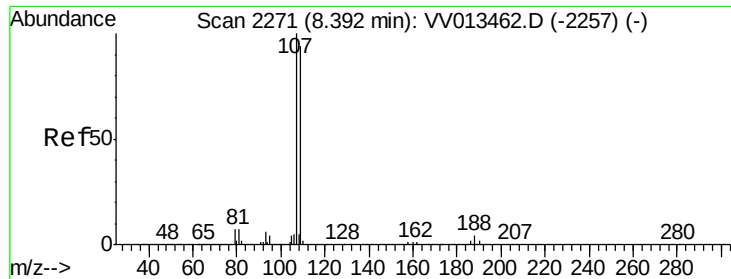
MMDadoda
11/4/2019 12:38:31 PM



#50
Dibromochloromethane
Concen: 0.768 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	53.9	100.1





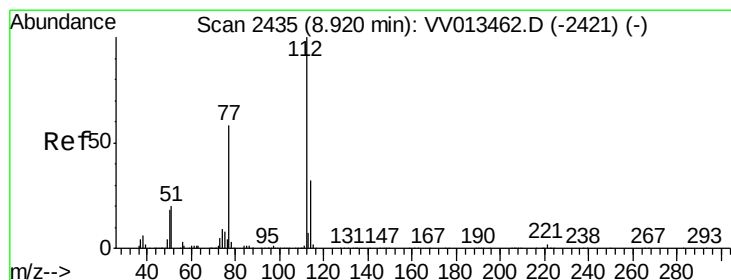
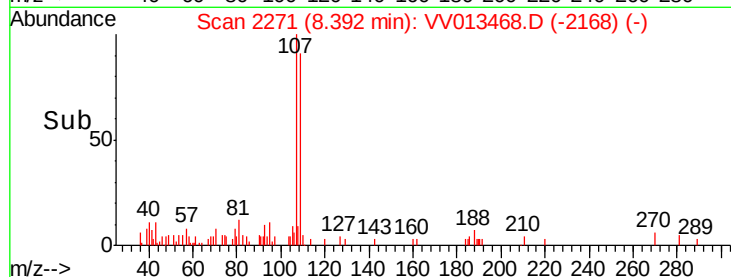
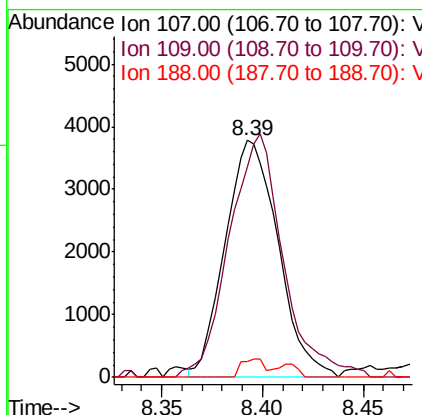
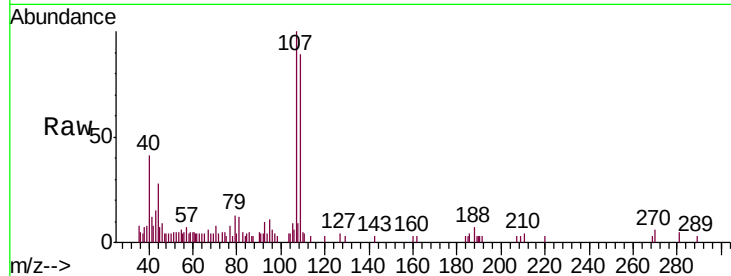
#51
1,2-Dibromoethane
Concen: 0.760 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	6949		
109	88.7	65.6	121.8	
188	6.8	3.5	5.3#	

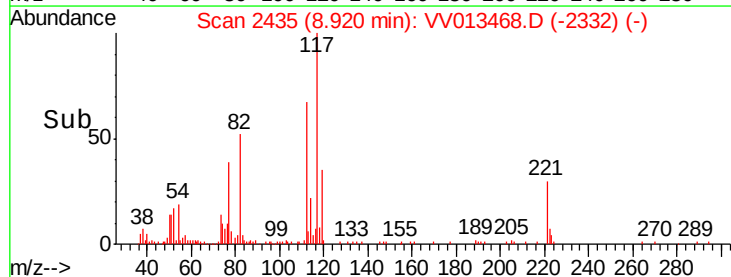
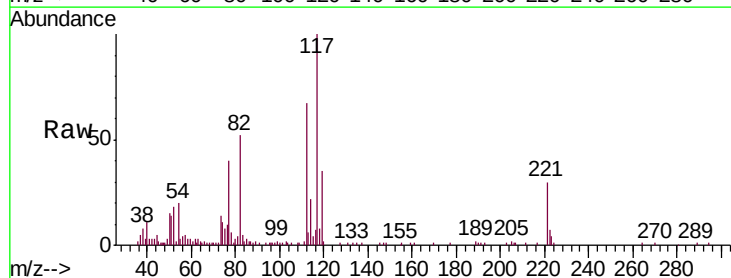
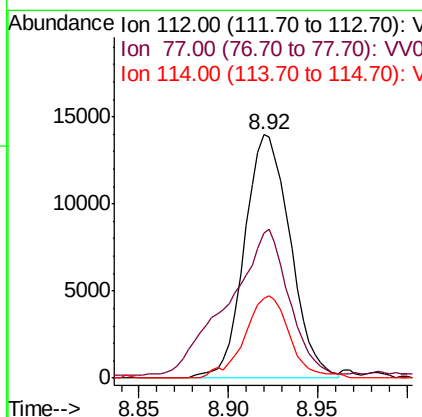
Manual Integrations
APPROVED

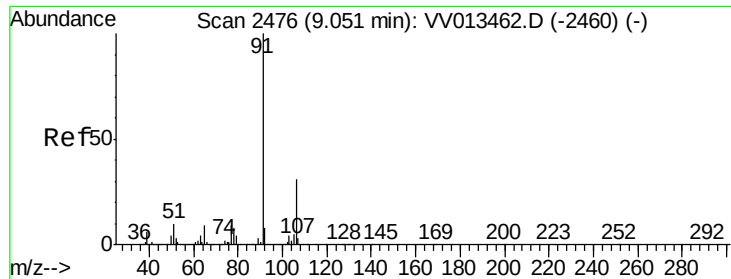
MMDadoda
11/4/2019 12:38:31 PM



#52
Chlorobenzene
Concen: 0.827 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	25076		
77	59.5	46.6	70.0	
114	32.8	22.5	41.9	





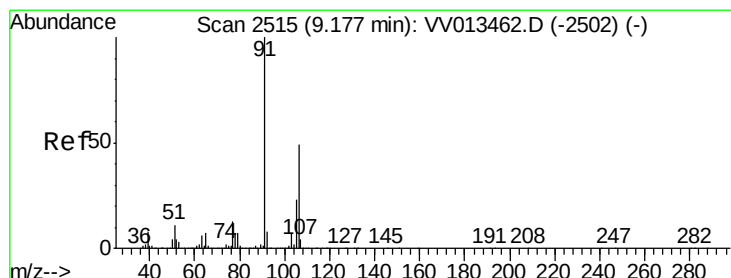
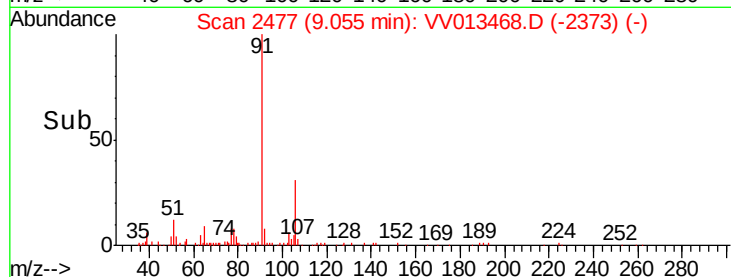
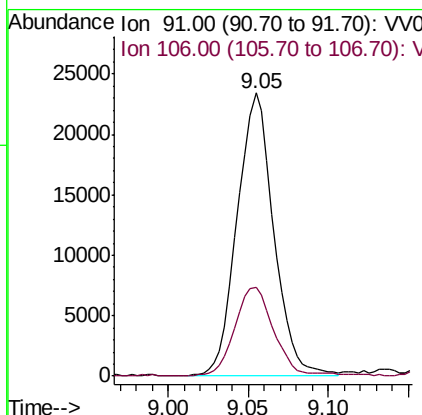
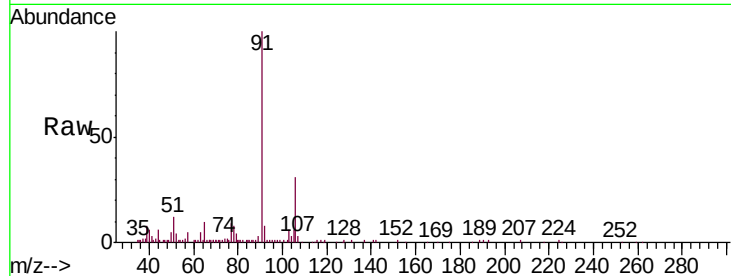
#53
Ethylbenzene
Concen: 0.739 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion: 91 Resp: 36491
Ion Ratio Lower Upper
91 100
106 31.5 21.5 39.9

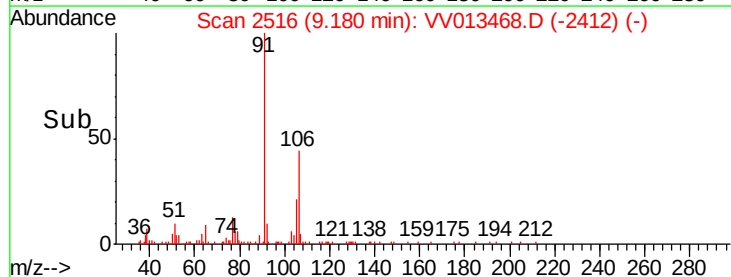
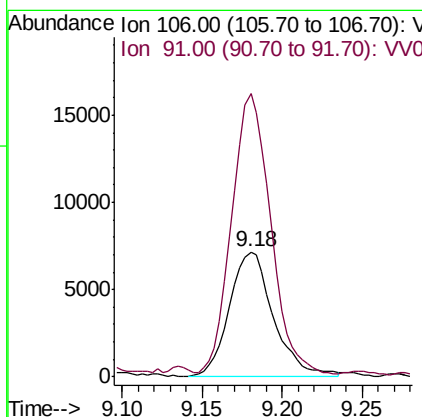
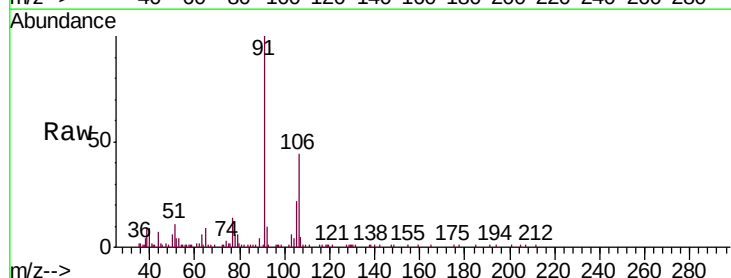
Manual Integrations
APPROVED

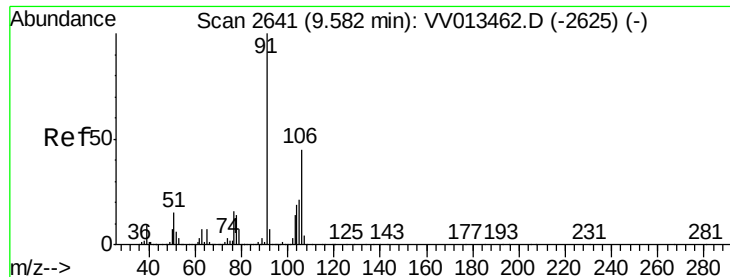
MMDadoda
11/4/2019 12:38:31 PM



#54
m,p-Xylene
Concen: 0.731 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion: 106 Resp: 13568
Ion Ratio Lower Upper
106 100
91 226.4 141.7 263.1





#55

o-xylene

Concen: 0.692 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tgt Ion:106 Resp: 12158

Ion Ratio Lower Upper

106 100

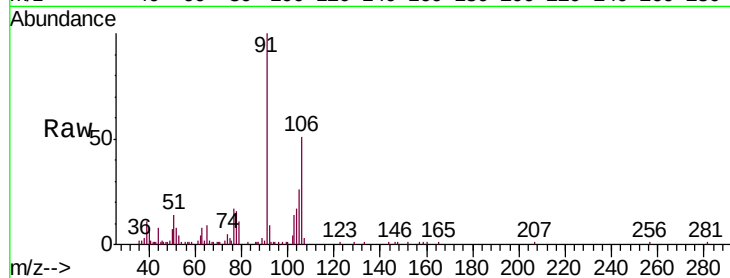
91 196.5 154.2 286.4

Manual Integrations

APPROVED

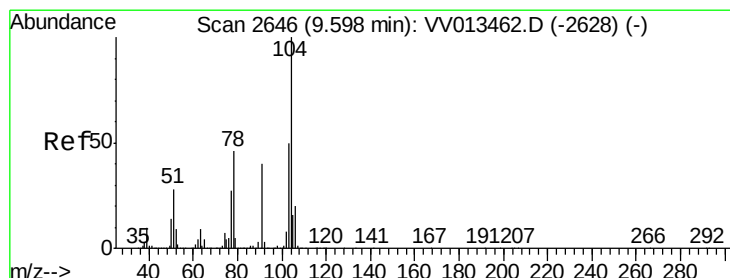
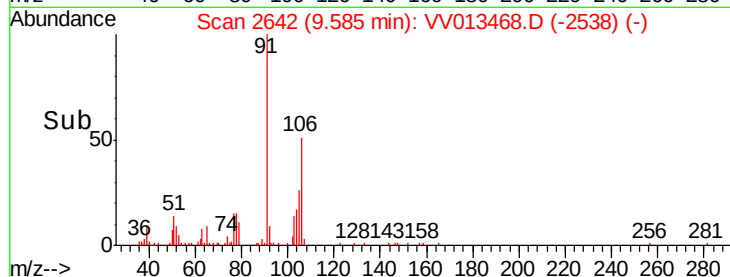
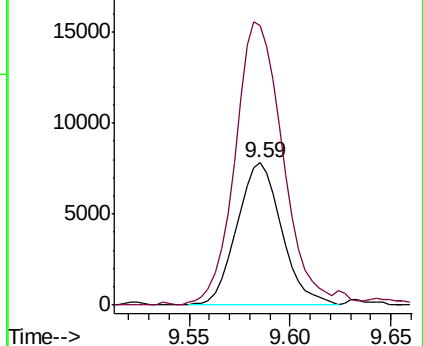
MMDadoda

11/4/2019 12:38:31 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 0.599 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV013468.D

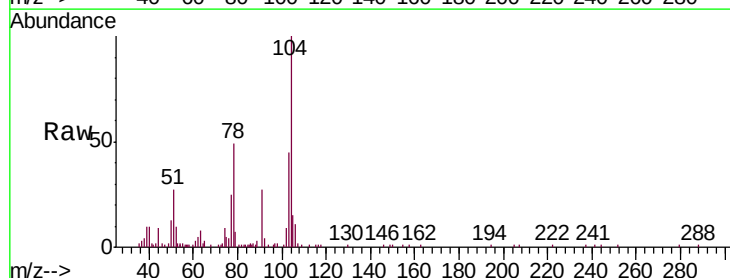
Acq: 01 Nov 2019 14:57

Tgt Ion:104 Resp: 18254

Ion Ratio Lower Upper

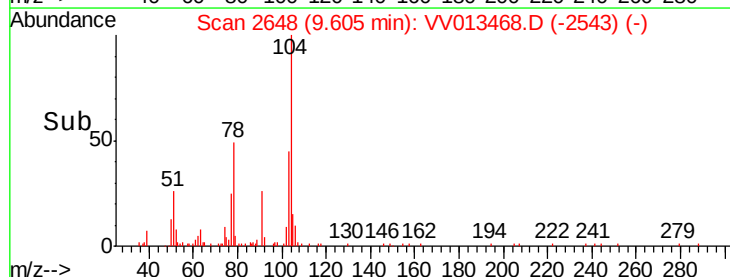
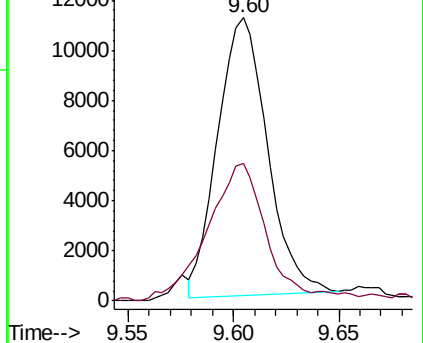
104 100

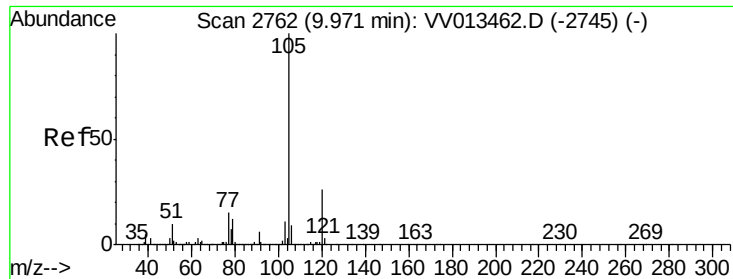
78 48.5 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 0.697 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

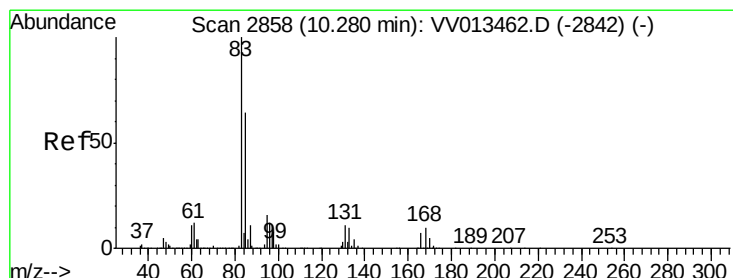
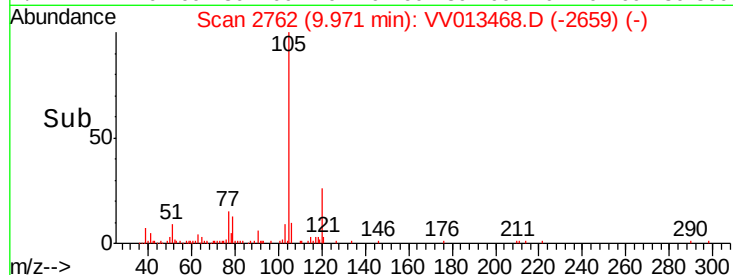
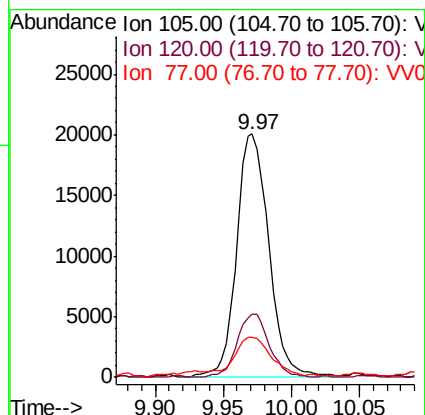
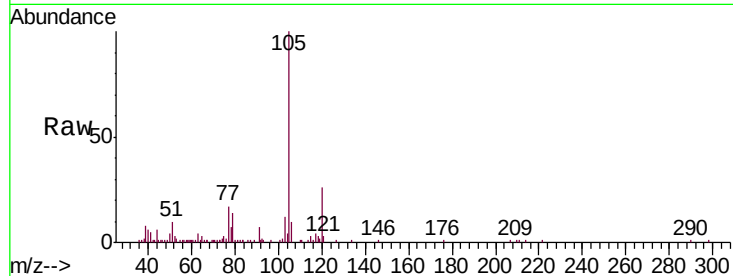
ClientSampled :

MDL02

Tgt Ion:	105	Resp:	33044
Ion Ratio	Lower	Upper	
105	100		
120	25.8	21.1	31.7
77	17.4	12.3	18.5

Manual Integrations
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MMDadoda
11/4/2019 12:38:31 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.888 ug/L

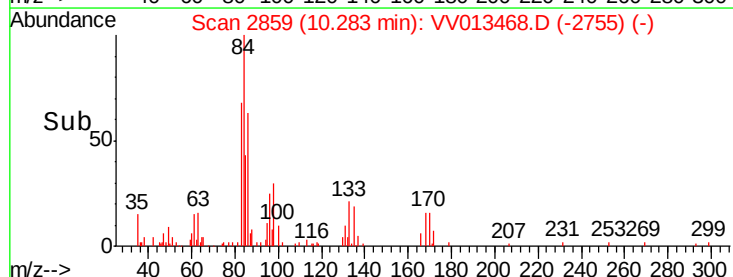
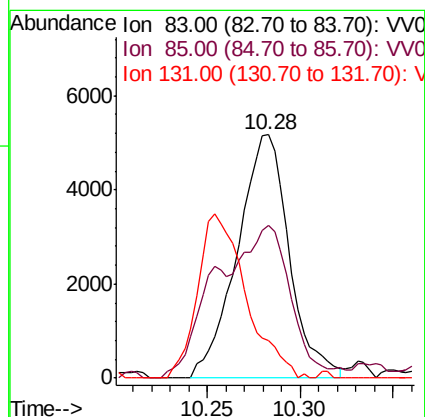
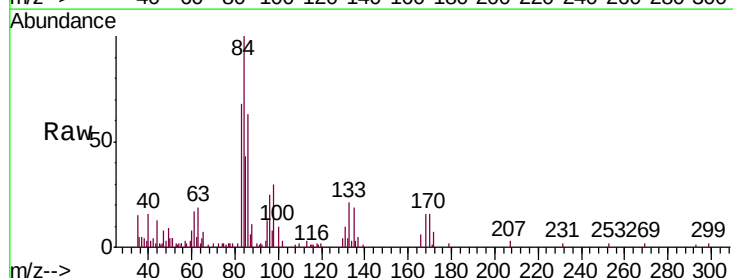
RT: 10.28 min Scan# 2859

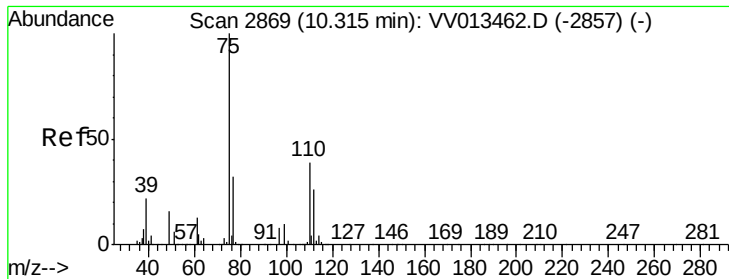
Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Tgt Ion:	83	Resp:	10080
Ion Ratio	Lower	Upper	
83	100		
85	62.8	45.1	83.7
131	15.4	8.5	12.7#





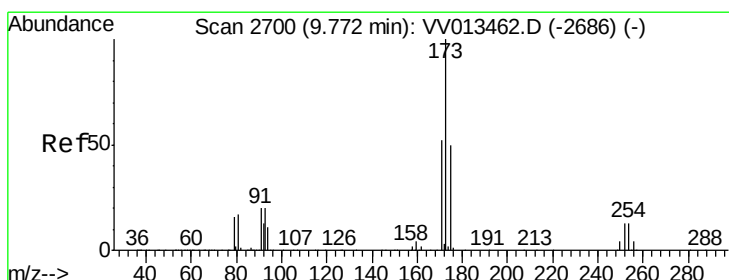
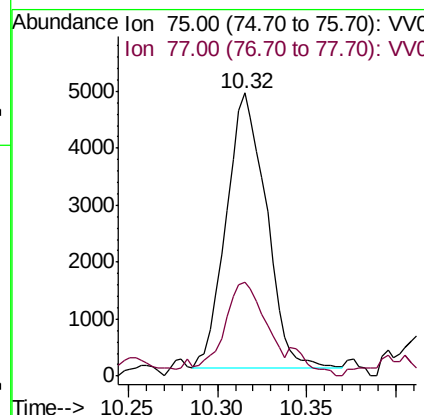
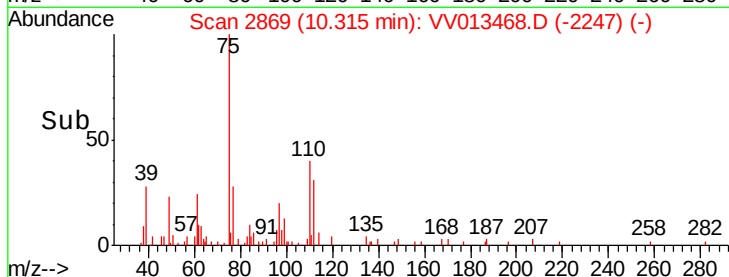
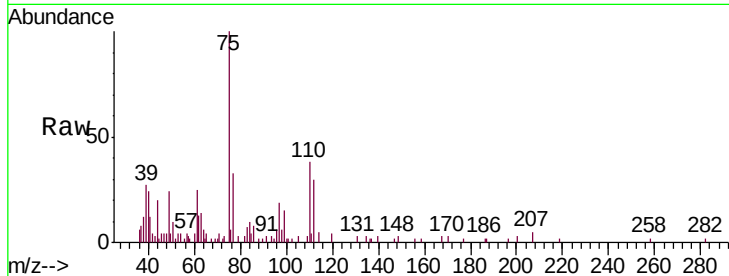
#59
1,2,3-Trichloropropane
Concen: 0.795 ug/L
RT: 10.32 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tgt Ion: 75 Resp: 7564
Ion Ratio Lower Upper
75 100
77 33.9 25.7 38.5

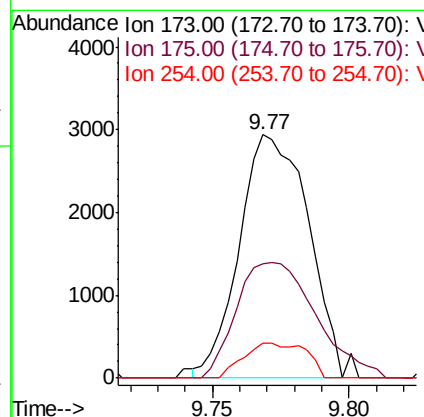
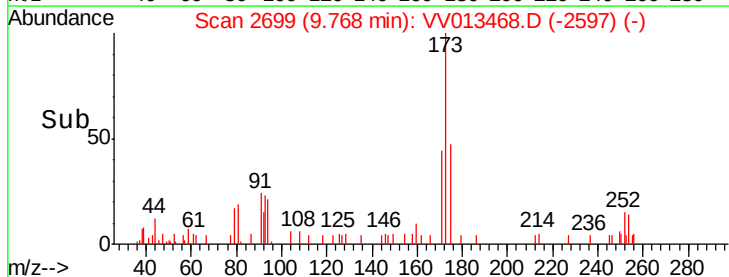
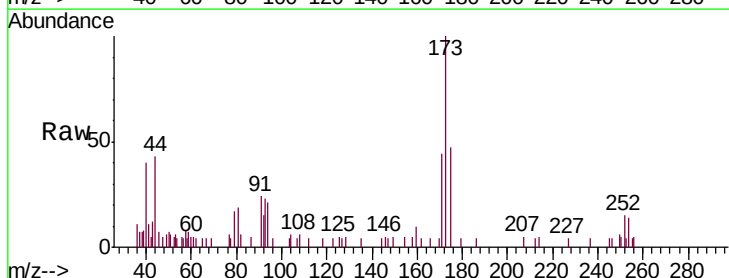
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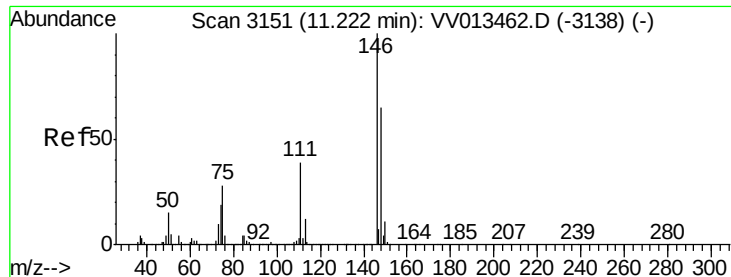
MMDadoda
11/4/2019 12:38:31 PM



#62
Bromoform
Concen: 0.771 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion: 173 Resp: 5157
Ion Ratio Lower Upper
173 100
175 54.9 39.4 59.0
254 9.4 10.1 15.1#





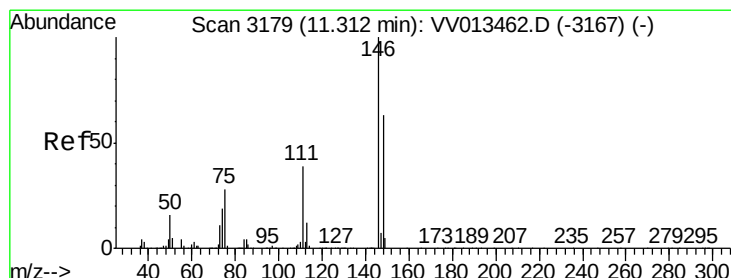
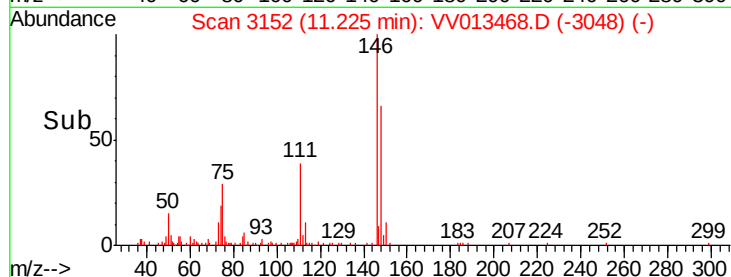
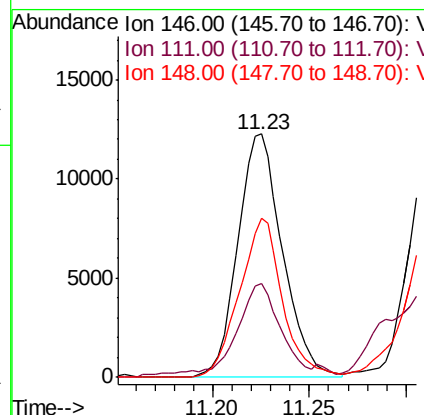
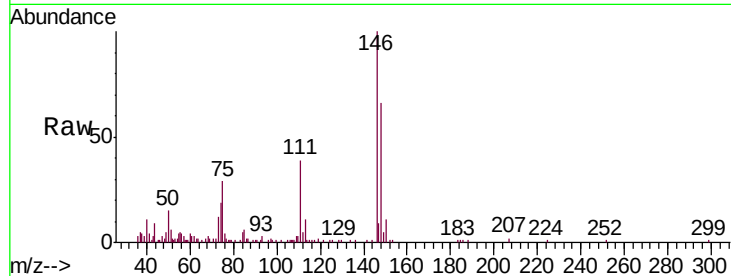
#63
 1,3-Dichlorobenzene
 Concen: 0.844 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.1	50.3
148	65.6	45.4	84.2

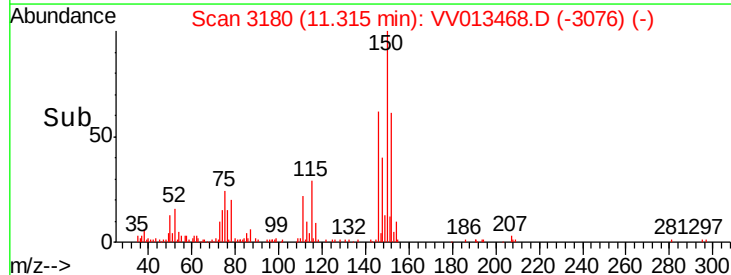
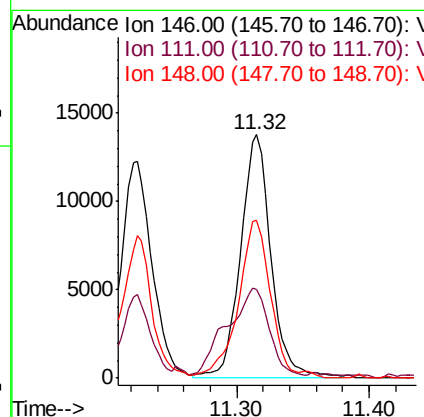
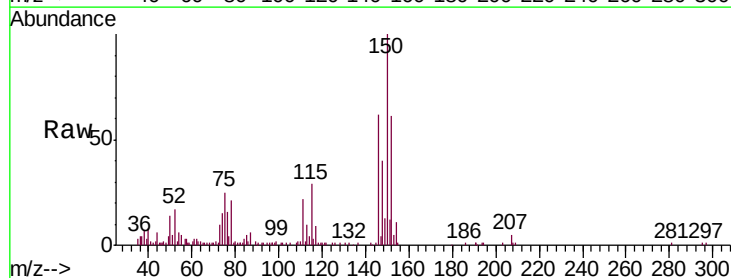
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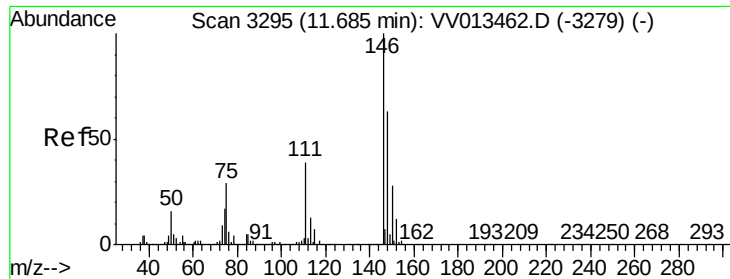
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#64
 1,4-Dichlorobenzene
 Concen: 0.927 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	27.2	50.6
148	64.8	44.4	82.5





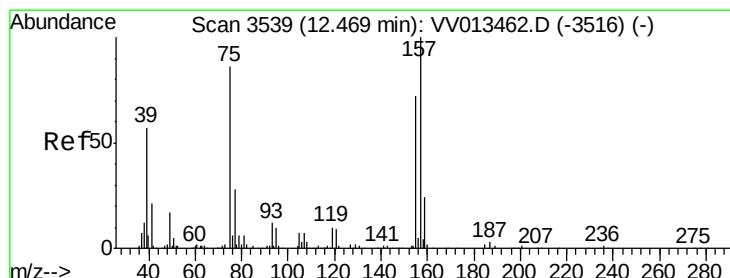
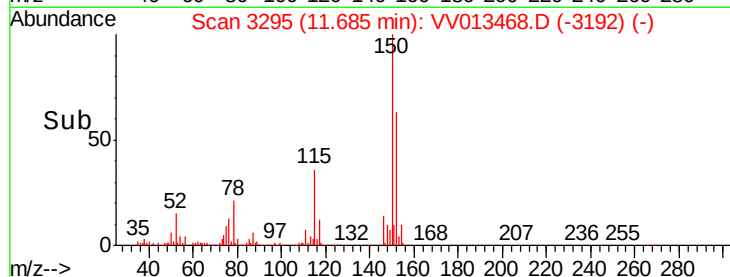
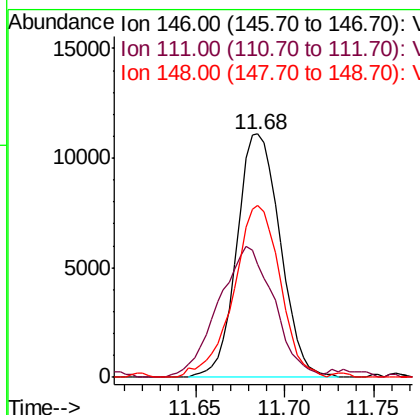
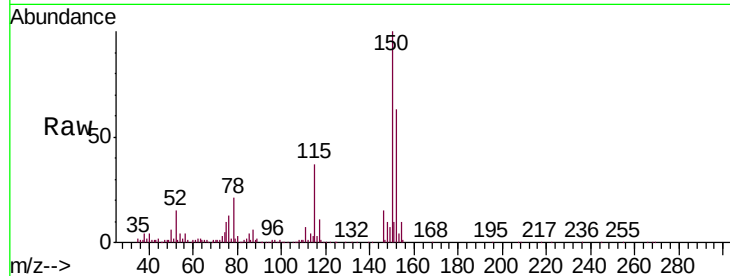
#65
 1,2-Dichlorobenzene
 Concen: 0.869 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	18812		
111	46.5	31.4	47.2	
148	70.8	50.5	75.7	

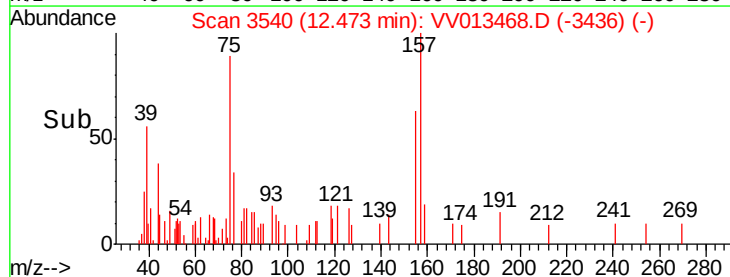
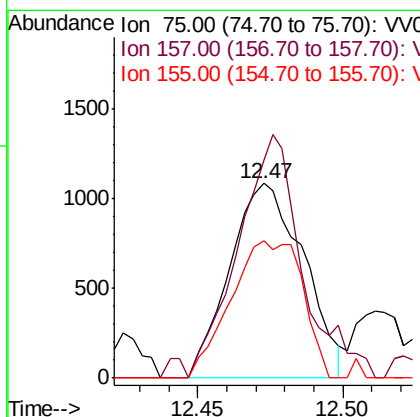
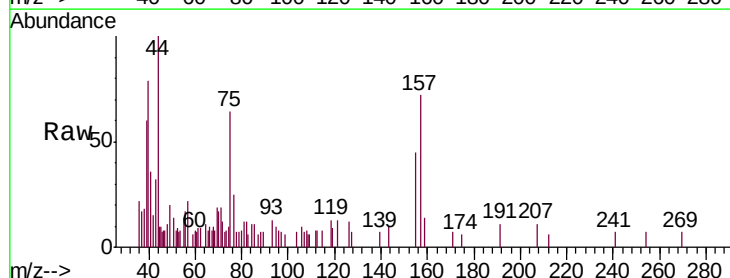
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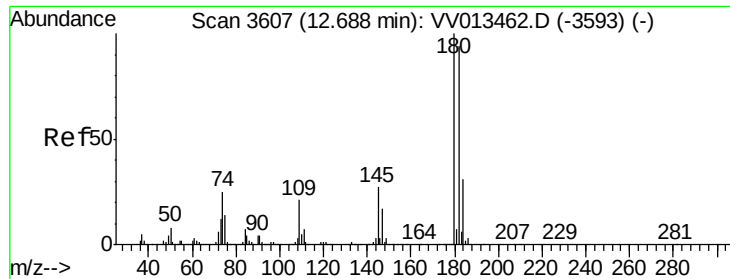
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.963 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1918		
157	112.4	93.2	139.8	
155	70.7	66.9	100.3	





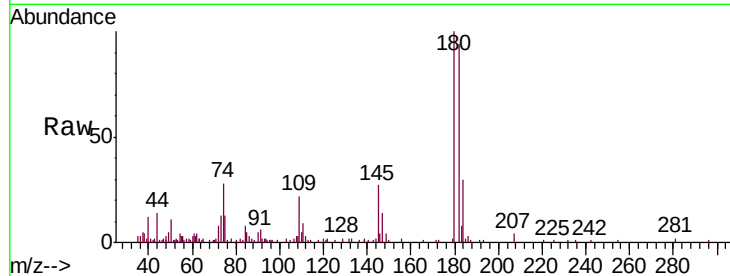
#67
 1,3,5-Trichlorobenzene
 Concen: 0.848 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	15635		
182	93.3	74.8	112.2	
184	32.5	24.3	36.5	
145	28.1	21.1	31.7	

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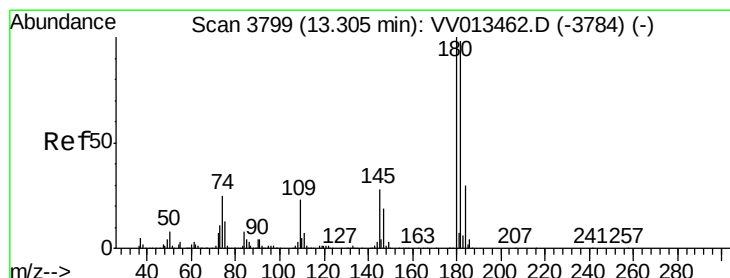
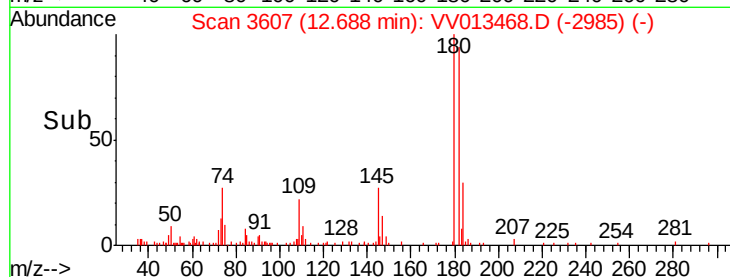
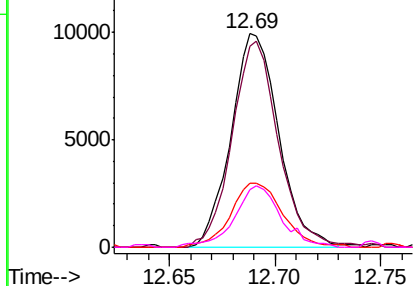
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

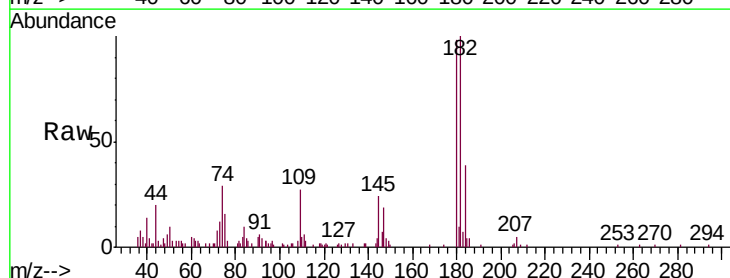
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.779 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12231		
182	106.9	77.4	116.0	
145	29.6	22.3	33.5	

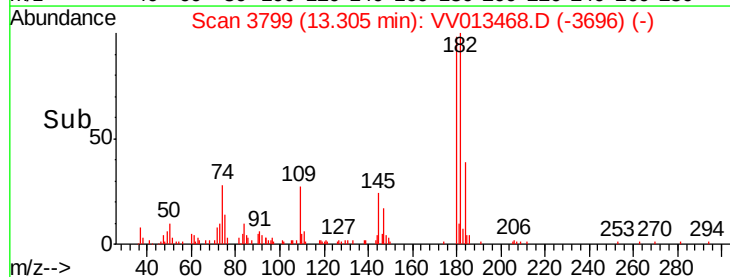
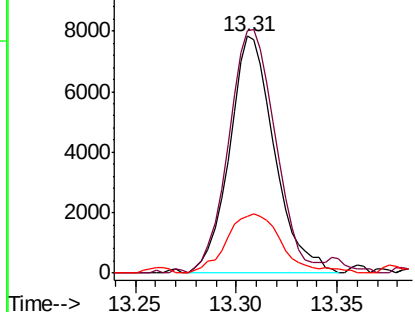


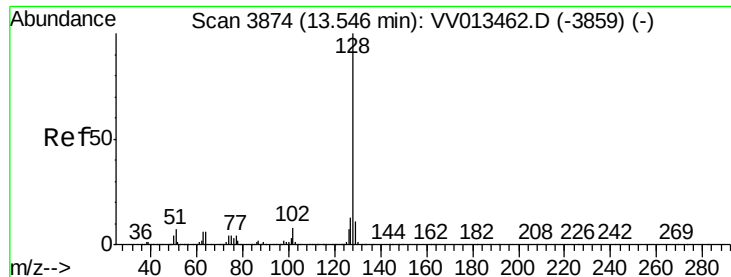
Abundance

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





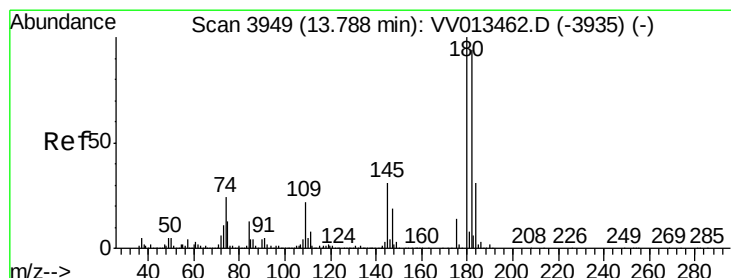
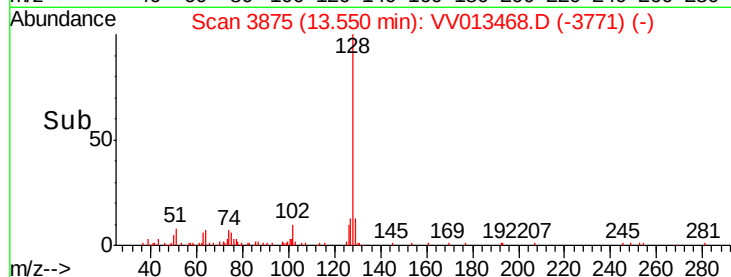
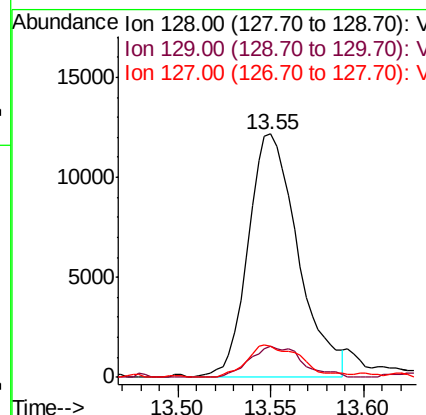
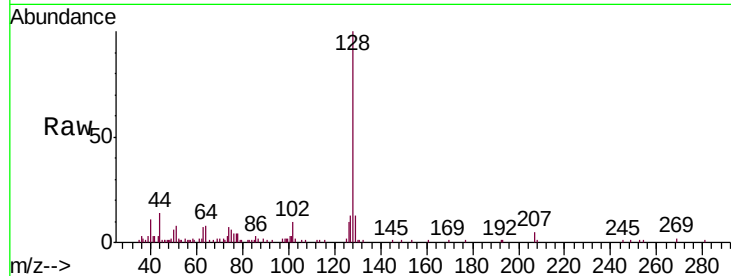
#69
Naphthalene
Concen: 0.750 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	22785		
129	12.8	8.6	13.0	
127	13.8	10.5	15.7	

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#70
1,2,3-Trichlorobenzene
Concen: 0.851 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12516		
182	91.4	75.2	112.8	
145	30.8	23.8	35.6	

