

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101019\
 Data File : VR026650.D
 Acq On : 10 Oct 2019 15:04
 Operator : SY/MD
 Sample : VSTD00165
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00165

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 3:30:41 PM

Quant Time: Oct 11 06:24:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 11 05:48:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	193136	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	165651	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	85384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.18	65	11653	1.78	ug/L	0.00
7) Chloroethane-d5	2.66	69	9799	1.77	ug/L	0.02
11) 1,1-Dichloroethene-d2	3.64	63	29293	1.69	ug/L	-0.01
20) 2-Butanone-d5	6.62	46	12432	10.28	ug/L	0.00
24) Chloroform-d	7.23	84	35519	1.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	11123	1.42	ug/L	0.00
32) Benzene-d6	7.88	84	61929	1.28	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	16244	1.32	ug/L	0.00
41) Toluene-d8	9.99	98	46679	1.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	3440	1.19	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	7591	9.19	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	8036	1.26	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	14262	1.20	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	31245	1.306 ug/L	95
3) Chloromethane	2.07	50	15540	1.273 ug/L	83
5) Vinyl chloride	2.20	62	14416	1.185 ug/L	100
6) Bromomethane	2.56	94	9803	1.252 ug/L	99
8) Chloroethane	2.68	64	9775	1.398 ug/L	84
9) Trichlorofluoromethane	2.99	101	31989m	1.479 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	11001	1.180 ug/L #	71
12) 1,1-Dichloroethene	3.66	96	10473	1.156 ug/L #	75
13) Acetone	3.74	43	10092	11.079 ug/L	91
14) Carbon disulfide	3.98	76	71769	1.611 ug/L #	95
15) Methyl Acetate	4.22	43	4612	1.217 ug/L #	89
16) Methylene chloride	4.42	84	27019m	1.429 ug/L	
17) Methyl tert-butyl Ether	4.94	73	15680	0.839 ug/L #	90
18) trans-1,2-Dichloroethene	4.92	96	18711	0.993 ug/L	89
19) 1,1-Dichloroethane	5.72	63	36448	1.058 ug/L #	93
21) 2-Butanone	6.73	43	15711	9.688 ug/L	88
22) cis-1,2-Dichloroethene	6.70	96	16460	0.922 ug/L	94
23) Bromochloromethane	7.08	128	5678	1.125 ug/L	87
25) Chloroform	7.26	83	39373	1.174 ug/L	89
27) 1,2-Dichloroethane	8.01	62	13936	1.164 ug/L #	91
29) 1,1,1-Trichloroethane	7.46	97	28250	1.033 ug/L	96
30) Cyclohexane	7.54	56	21732	0.728 ug/L	88
31) Carbon tetrachloride	7.67	117	24923	1.051 ug/L	95
33) Benzene	7.93	78	77435	1.008 ug/L	100
34) Trichloroethene	8.73	95	19413	1.018 ug/L	93
35) Methylcyclohexane	8.97	83	24739	0.846 ug/L	91
37) 1,2-Dichloropropane	9.02	63	15990	1.047 ug/L #	92
38) Bromodichloromethane	9.30	83	16093	0.975 ug/L #	91
39) cis-1,3-Dichloropropene	9.74	75	12553	0.775 ug/L	95
40) 4-Methyl-2-pentanone	9.88	43	26654	7.104 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.05	91	64414	0.954	ug/L	98
44) trans-1,3-Dichloropropene	10.28	75	9341	0.883	ug/L	100
45) 1,1,2-Trichloroethane	10.46	97	6841	1.036	ug/L	91
47) Tetrachloroethene	10.52	164	12799	1.107	ug/L	96
48) 2-Hexanone	10.65	43	18392	7.681	ug/L	93
49) Dibromochloromethane	10.80	129	7917	1.099	ug/L	84
50) 1,2-Dibromoethane	10.90	107	5538	0.967	ug/L #	87
51) Chlorobenzene	11.33	112	38169	0.977	ug/L	94
52) Ethylbenzene	11.41	91	64752	0.852	ug/L	100
53) m,p-Xylene	11.52	106	22882	0.835	ug/L	98
54) o-Xylene	11.84	106	19459	0.725	ug/L	99
55) Styrene	11.86	104	31275	0.813	ug/L	98
56) Isopropylbenzene	12.14	105	63847	0.840	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.40	83	7266	0.945	ug/L #	93
59) 1,2,3-Trichloropropane	12.45	75	5237	0.958	ug/L	90
61) Bromoform	12.03	173	2988	0.876	ug/L #	82
62) 1,3-Dichlorobenzene	13.18	146	28944	0.935	ug/L	94
63) 1,4-Dichlorobenzene	13.26	146	29956	0.969	ug/L	96
65) 1,2-Dichlorobenzene	13.55	146	25507	0.980	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.16	75	1360	1.031	ug/L #	44
67) 1,3,5-Trichlorobenzene	14.31	180	19674	0.796	ug/L	92
68) 1,2,4-trichlorobenzene	14.80	180	14556	0.839	ug/L	95
69) Naphthalene	15.02	128	12905	0.570	ug/L	98
70) 1,2,3-Trichlorobenzene	15.20	180	14186	0.899	ug/L	91

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

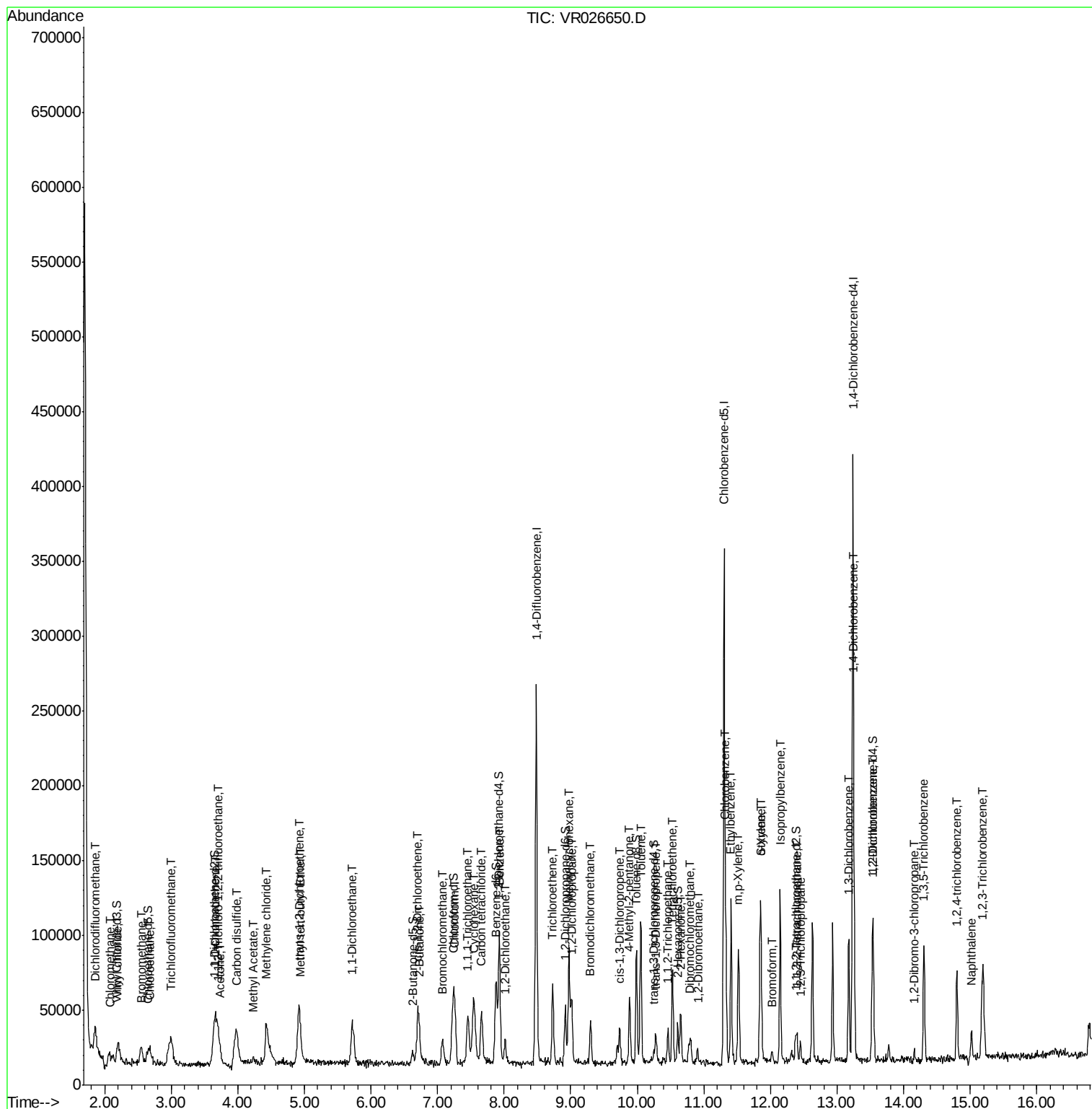
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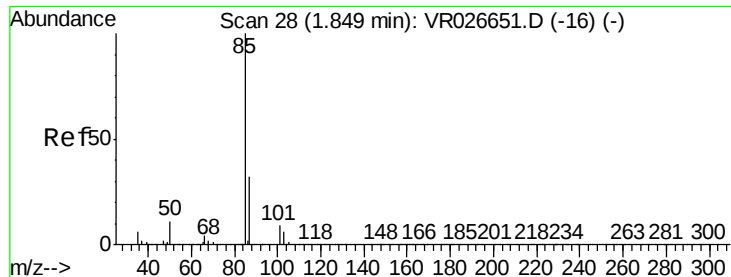
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#2

Dichlorodifluoromethane

Concen: 1.306 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00165

Tot Ion: 85 Resp: 31245

Ion Ratio Lower Upper

85 100

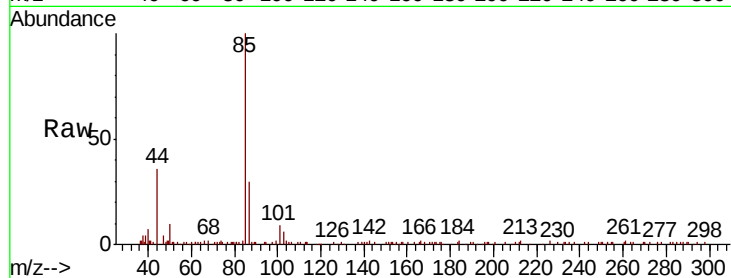
87 34.7 25.4 38.0

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

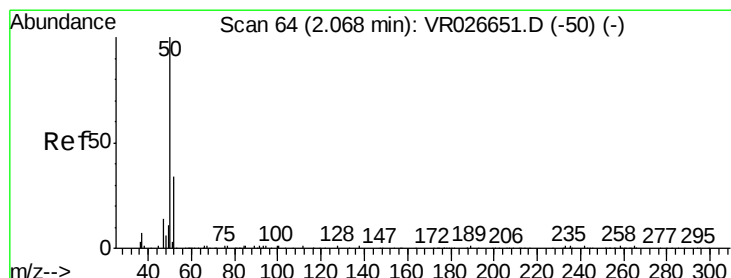
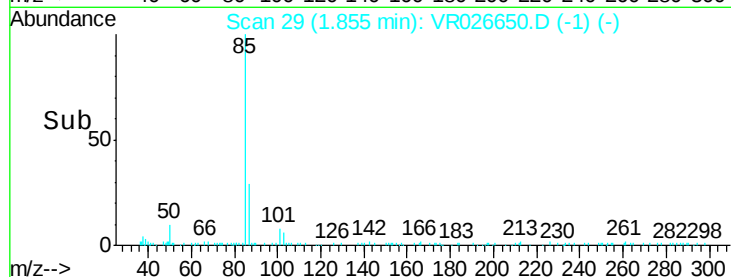
1.86

10000

5000

0

Time-->



#3

Chloromethane

Concen: 1.273 ug/L

RT: 2.07 min Scan# 64

Delta R.T. -0.00 min

Lab File: VR026650.D

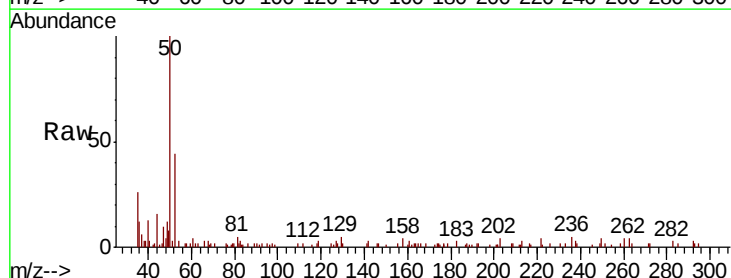
Acq: 10 Oct 2019 15:04

Tgt Ion: 50 Resp: 15540

Ion Ratio Lower Upper

50 100

52 44.5 24.1 44.7



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.07

5000

4000

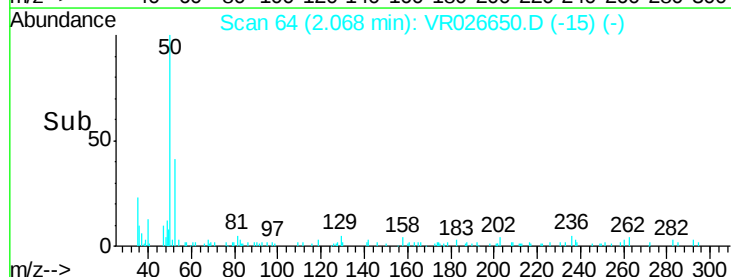
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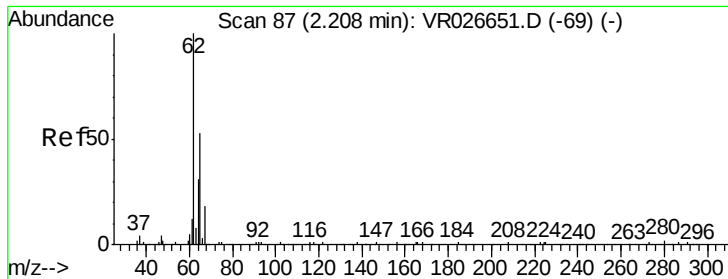
2000

1000

0

Time-->





#5

Vinyl chloride

Concen: 1.185 ug/L

RT: 2.20 min Scan# 85

Delta R.T. -0.01 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00165

Tot Ion: 62 Resp: 14416

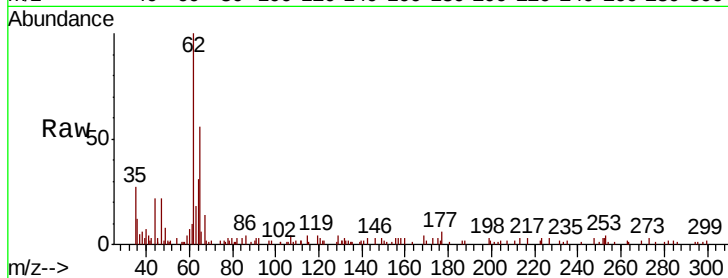
Ion Ratio Lower Upper

62 100

64 30.9 21.5 39.9

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Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.20

4000

3000

2000

1000

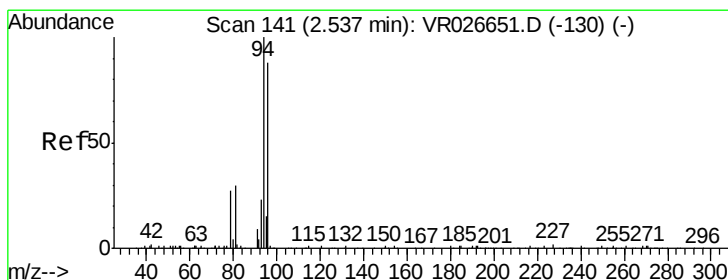
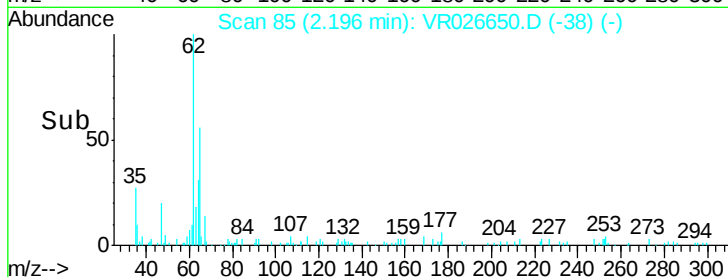
0

Time-->

2.10

2.20

2.30



#6

Bromomethane

Concen: 1.252 ug/L

RT: 2.56 min Scan# 144

Delta R.T. 0.02 min

Lab File: VR026650.D

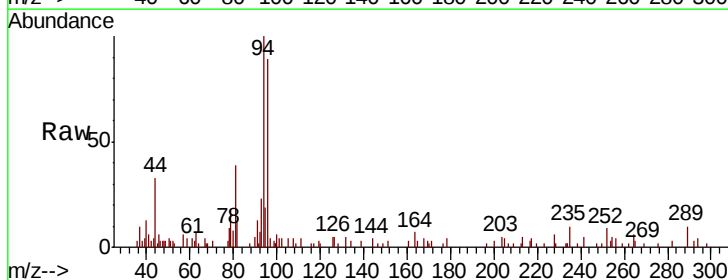
Acq: 10 Oct 2019 15:04

Tgt Ion: 94 Resp: 9803

Ion Ratio Lower Upper

94 100

96 89.3 61.8 114.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.56

3000

2000

1000

0

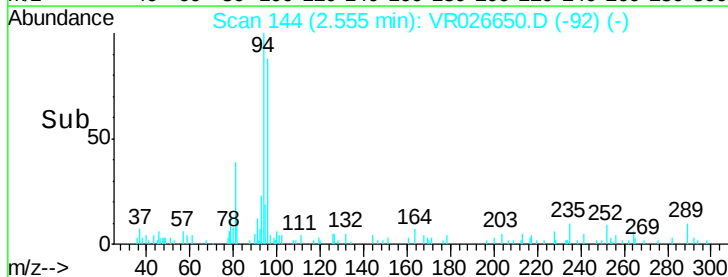
Time-->

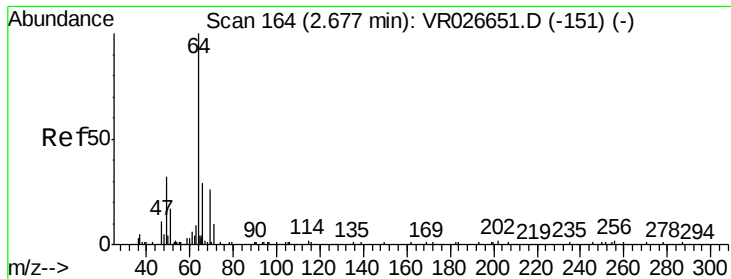
2.40

2.50

2.60

2.70





#8

Chloroethane

Concen: 1.398 ug/L

RT: 2.68 min Scan# 164

Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00165

Tot Ion: 64 Resp: 9775

Ion Ratio Lower Upper

64 100

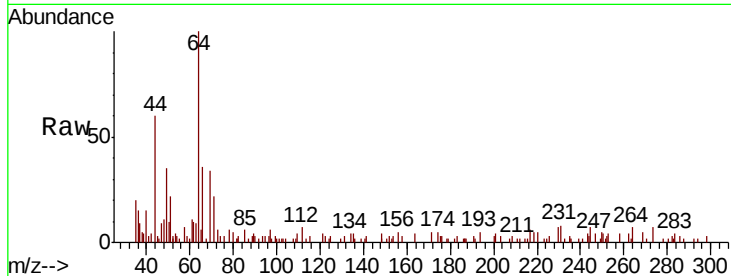
66 36.3 19.7 36.5

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Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.68

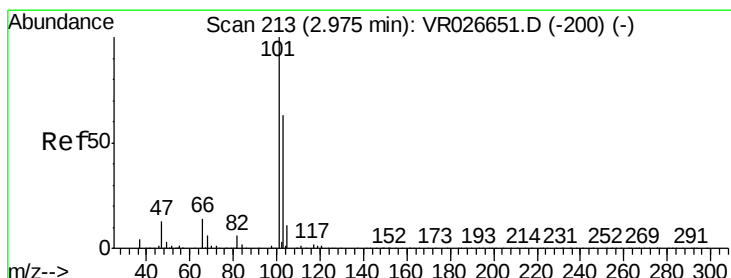
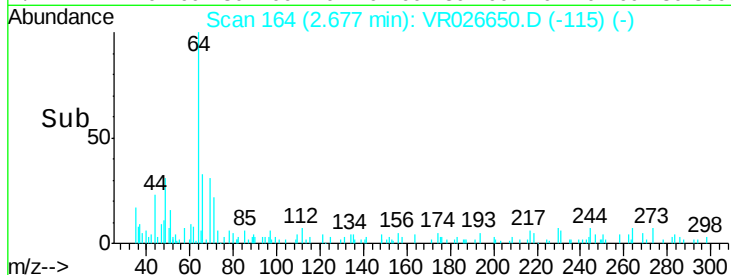
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 1.479 ug/L m

RT: 2.99 min Scan# 216

Delta R.T. 0.02 min

Lab File: VR026650.D

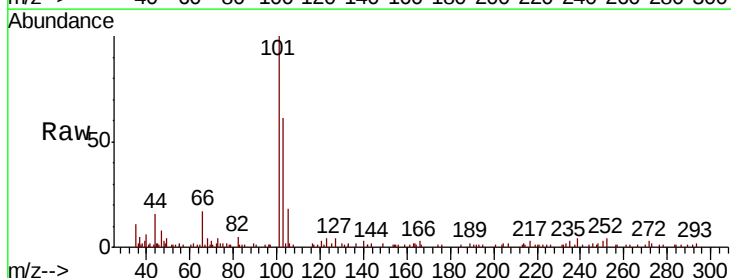
Acq: 10 Oct 2019 15:04

Tgt Ion: 101 Resp: 31989

Ion Ratio Lower Upper

101 100

103 19.2 50.9 76.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.99

8000

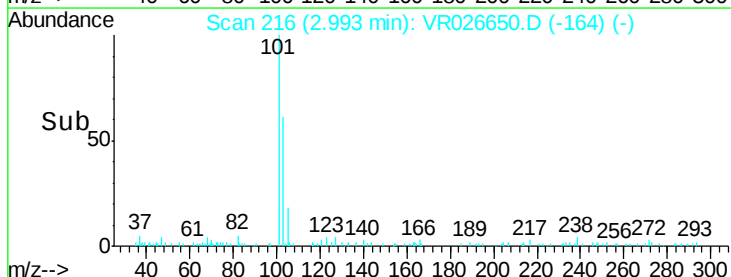
6000

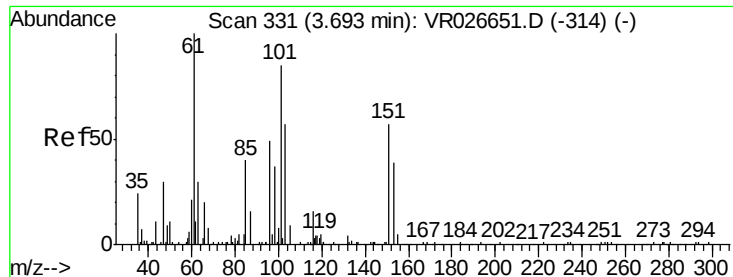
4000

2000

0

Time-->





#10

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

Concen: 1.180 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

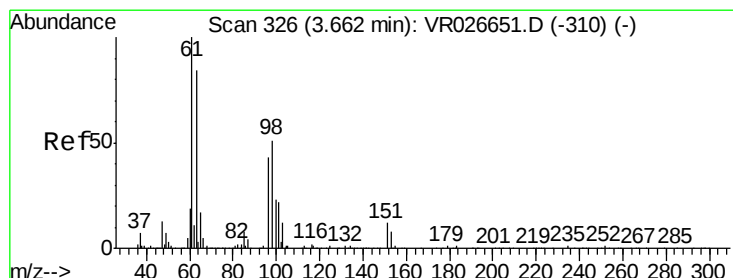
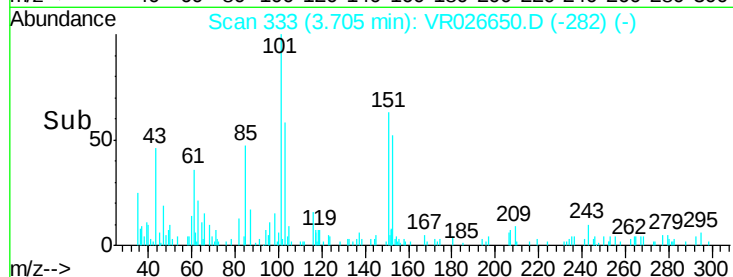
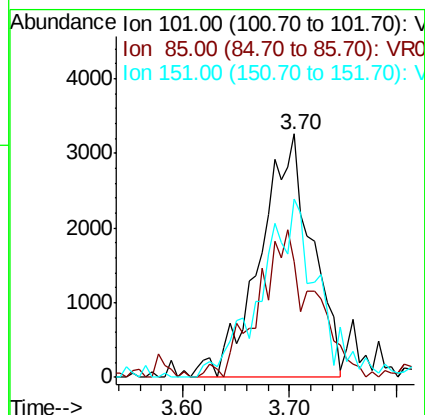
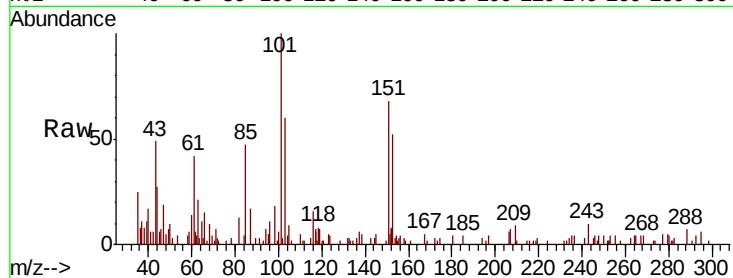
ClientSampleId :

VSTD00165

Tot Ion:	101	Resp:	11001
Ion Ratio	Lower	Upper	
101	100		
85	64.1	39.8	59.8#
151	41.9	56.5	84.7#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.156 ug/L

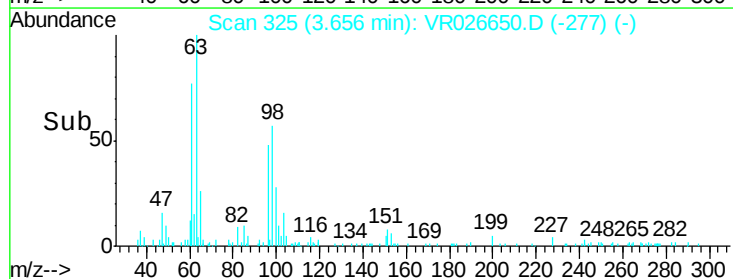
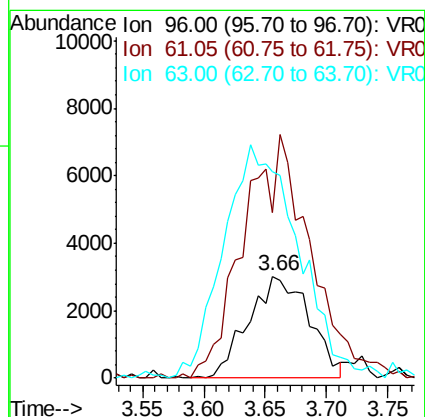
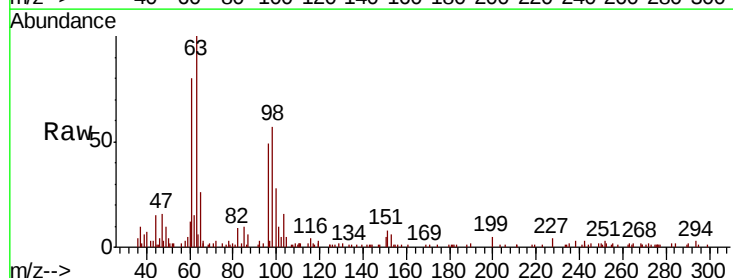
RT: 3.66 min Scan# 325

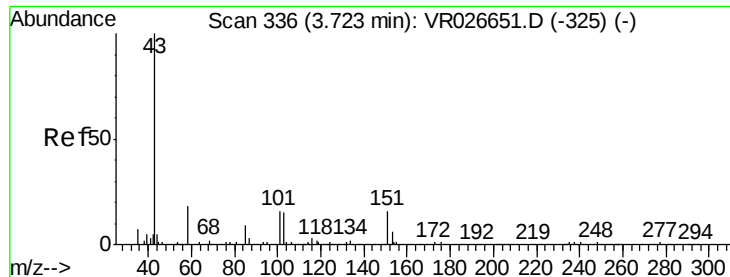
Delta R.T. -0.01 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Tgt Ion:	96	Resp:	10473
Ion Ratio	Lower	Upper	
96	100		
61	162.4	164.2	305.0#
63	202.4	137.6	255.6





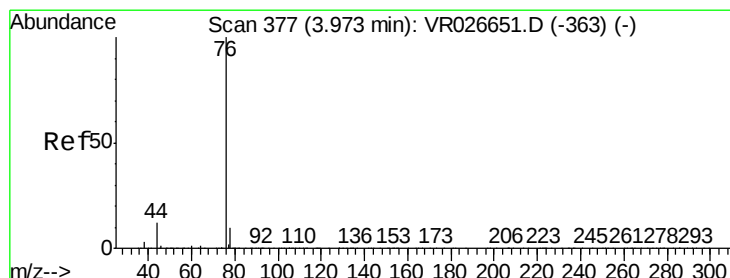
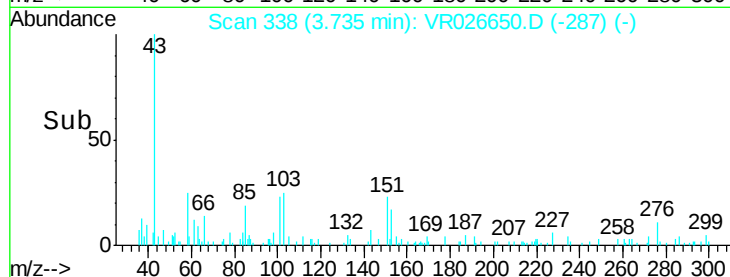
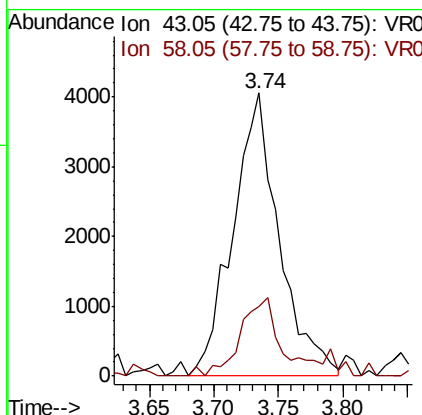
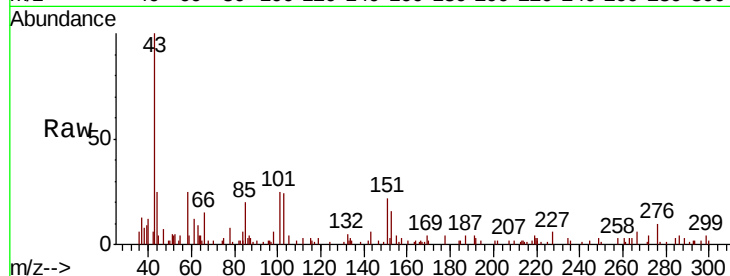
#13
Acetone
Concen: 11.079 ug/L
RT: 3.74 min Scan# 338
Delta R.T. 0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
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Tot Ion	43	Resp	10092
Ion Ratio	100	Lower	Upper
43	100		
58	23.9	0.0	39.6

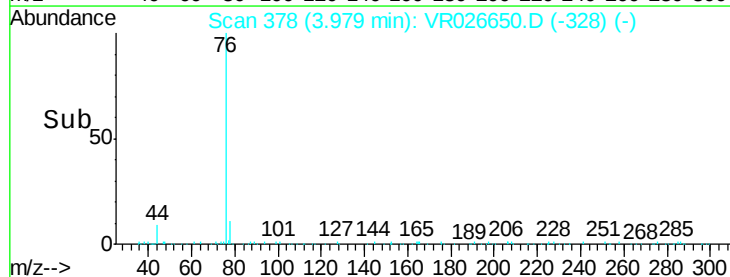
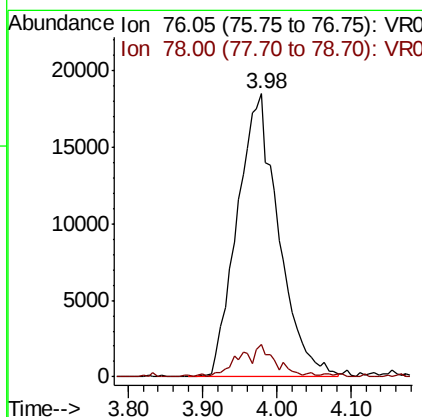
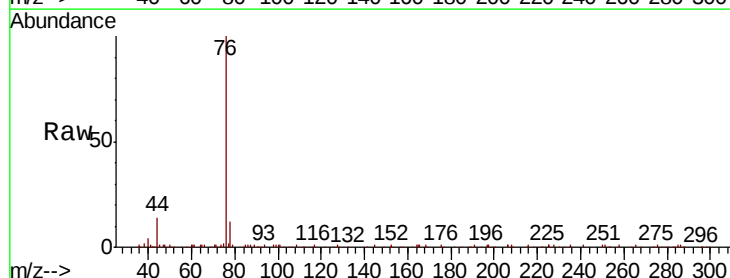
Manual Integrations
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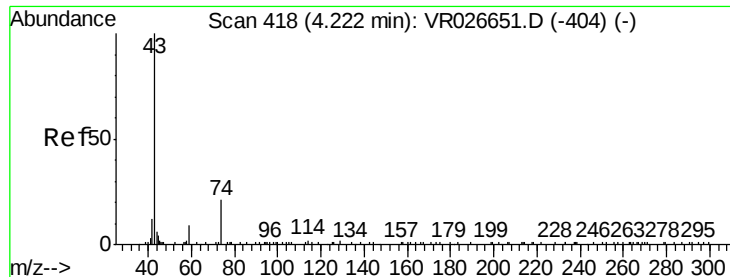
MMDadoda
10/11/2019 3:30:41 PM



#14
Carbon disulfide
Concen: 1.611 ug/L
RT: 3.98 min Scan# 378
Delta R.T. 0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion	76	Resp	71769
Ion Ratio	100	Lower	Upper
76	100		
78	11.6	7.7	11.5#





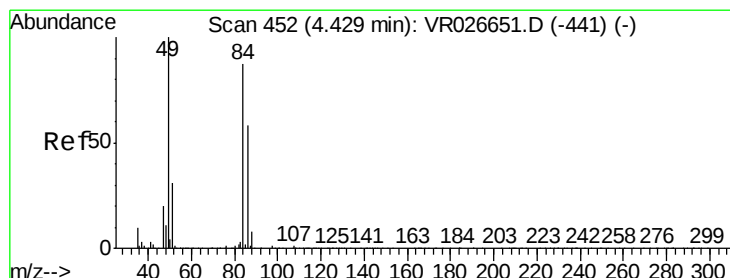
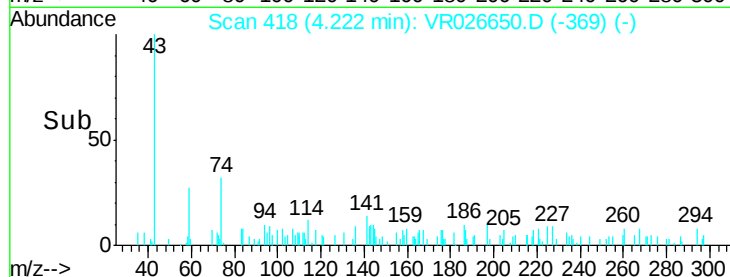
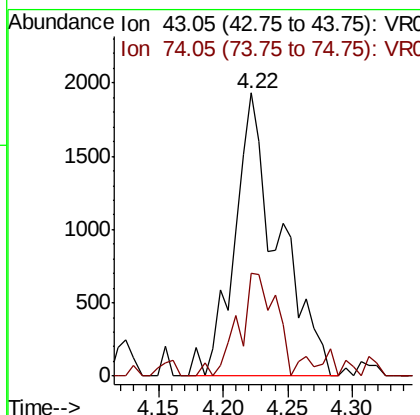
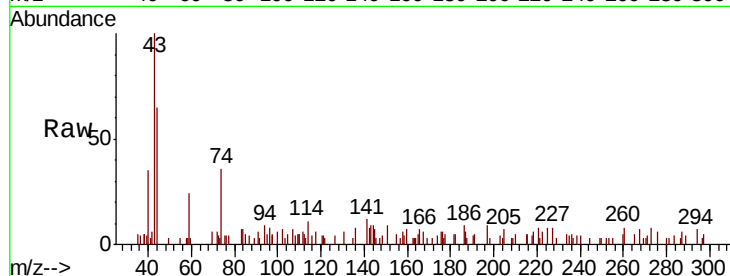
#15
Methyl Acetate
Concen: 1.217 ug/L
RT: 4.22 min Scan# 418
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion: 43 Resp: 4612
Ion Ratio Lower Upper
43 100
74 30.5 20.1 30.1#

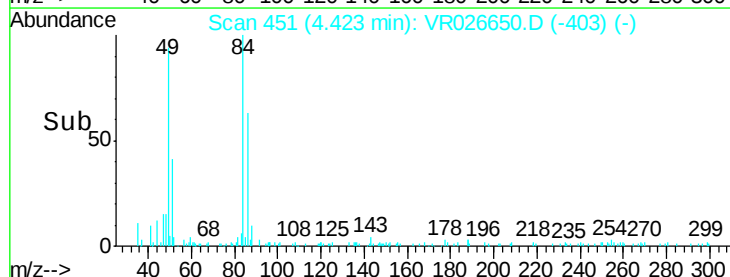
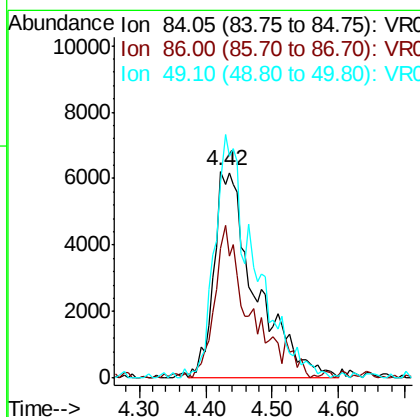
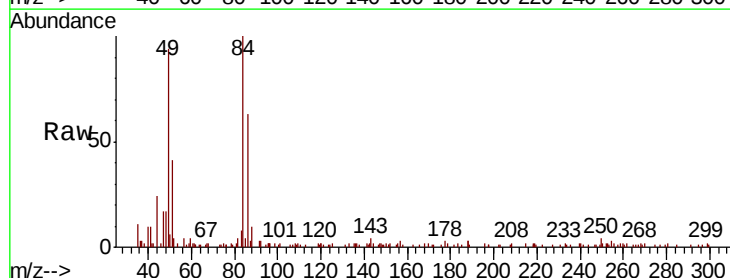
Manual Integrations
APPROVED

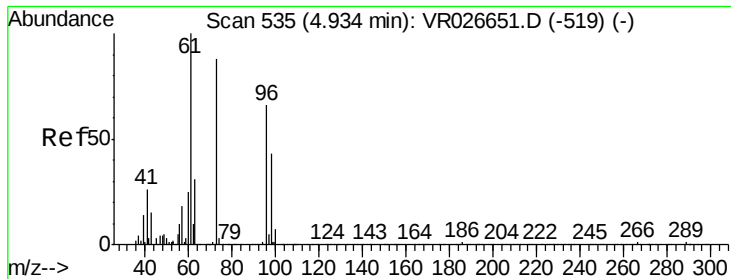
MMDadoda
10/11/2019 3:30:41 PM



#16
Methylene chloride
Concen: 1.429 ug/L m
RT: 4.42 min Scan# 451
Delta R.T. -0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion: 84 Resp: 27019
Ion Ratio Lower Upper
84 100
86 62.7 46.4 86.2
49 94.5 80.8 150.0





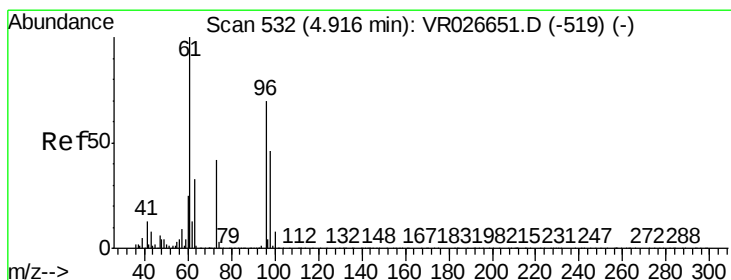
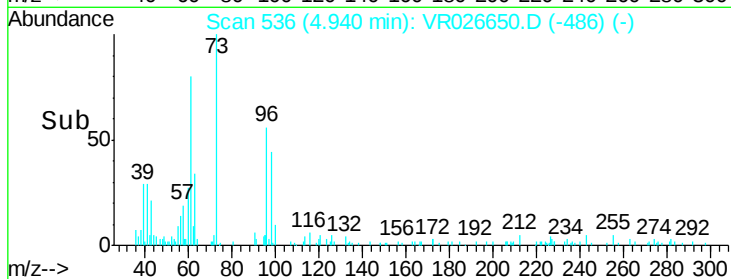
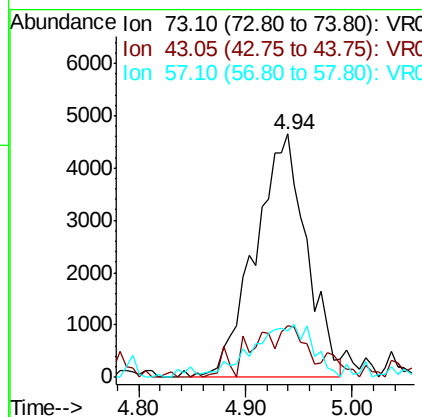
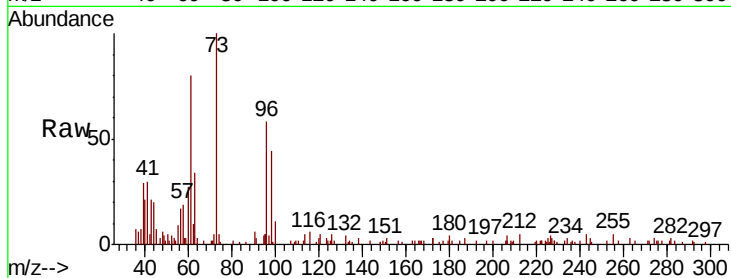
#17
Methvl tert-butvl Ether
Concen: 0.839 ug/L
RT: 4.94 min Scan# 536
Delta R.T. 0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion	Ratio	Lower	Upper
73	100		
43	10.8	15.0	22.6#
57	25.0	18.5	27.7

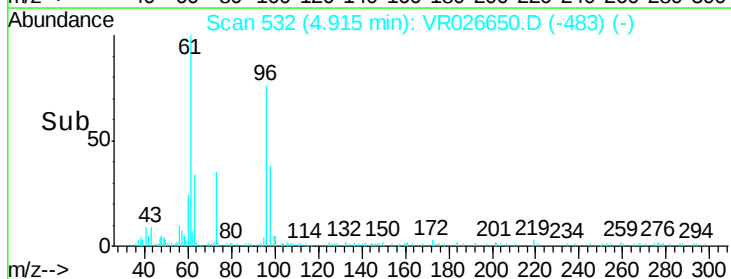
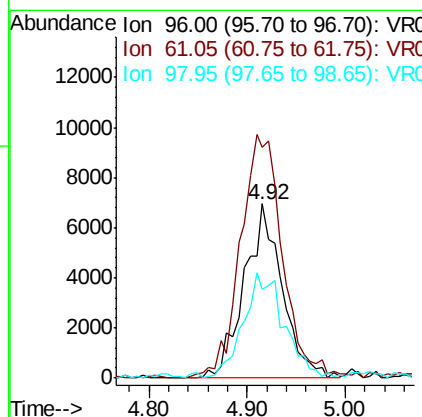
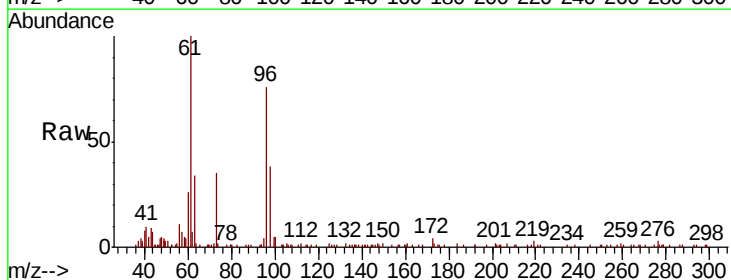
Manual Integrations
APPROVED

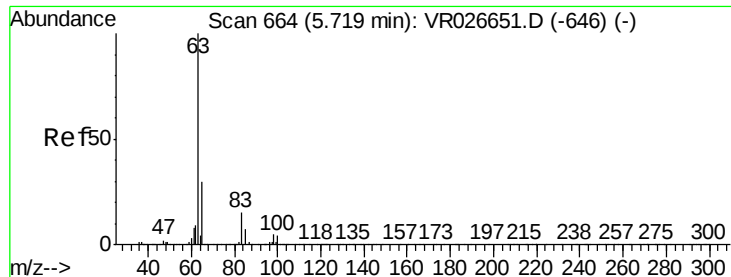
MMDadoda
10/11/2019 3:30:41 PM



#18
trans-1,2-Dichloroethene
Concen: 0.993 ug/L
RT: 4.92 min Scan# 532
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.4	99.8	185.4
98	50.9	45.7	84.9





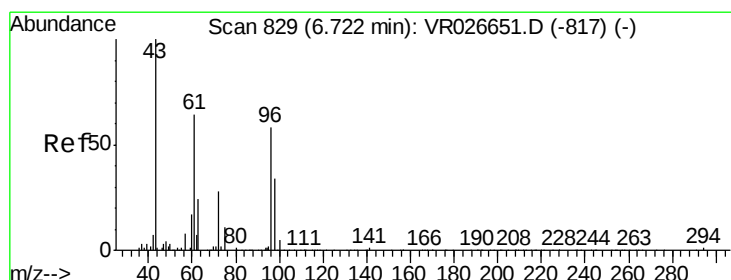
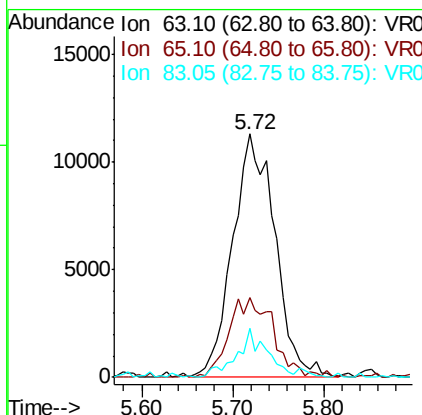
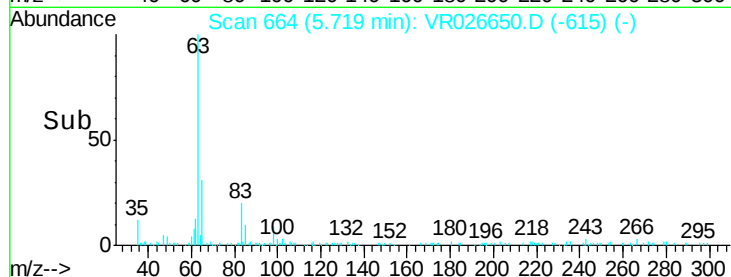
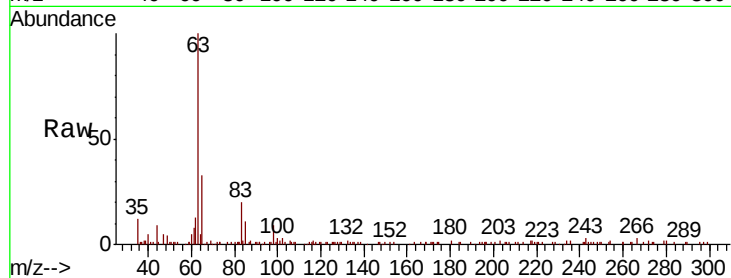
#19
1,1-Dichloroethane
Concen: 1.058 ug/L
RT: 5.72 min Scan# 664
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	21.0	39.0
83	20.3	10.6	19.6

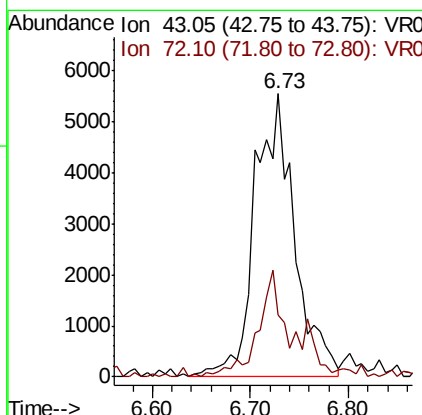
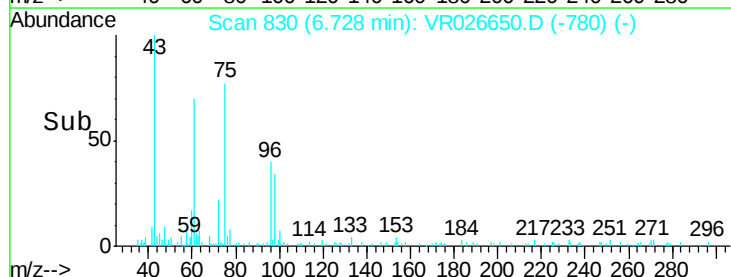
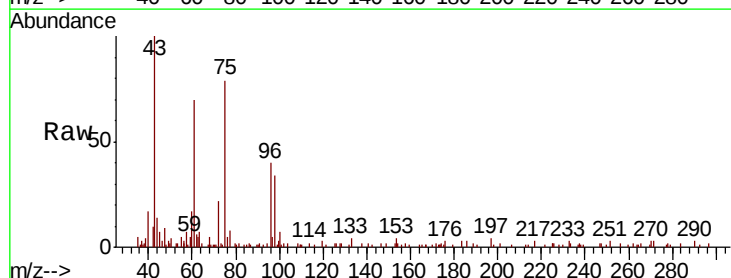
Manual Integrations
APPROVED

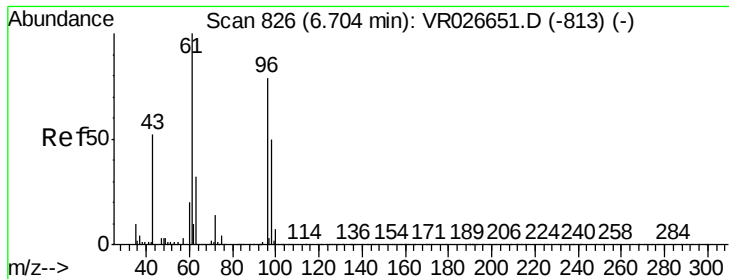
MMDadoda
10/11/2019 3:30:41 PM



#21
2-Butanone
Concen: 9.688 ug/L
RT: 6.73 min Scan# 830
Delta R.T. 0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	14.4	43.2





#22

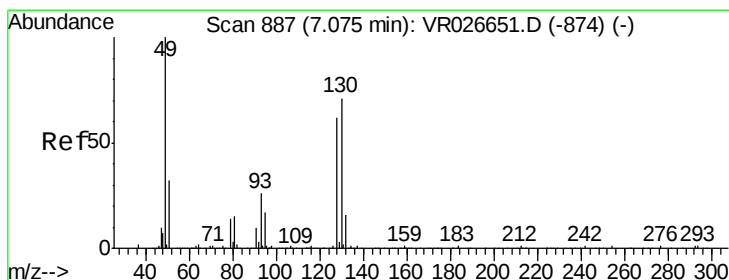
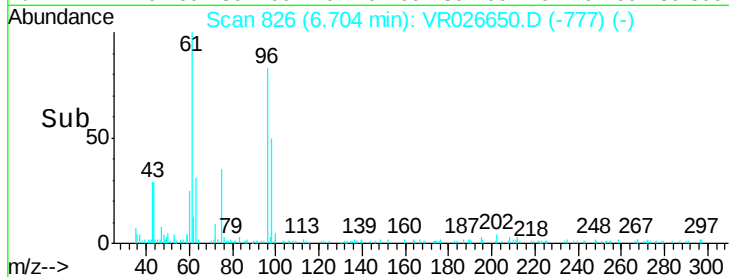
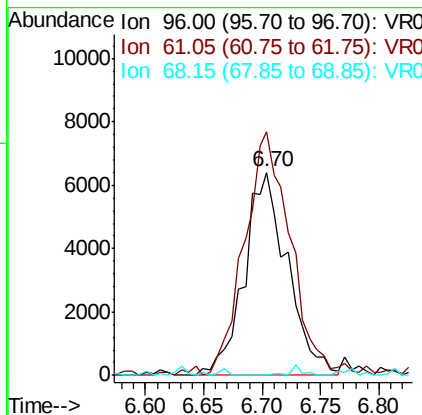
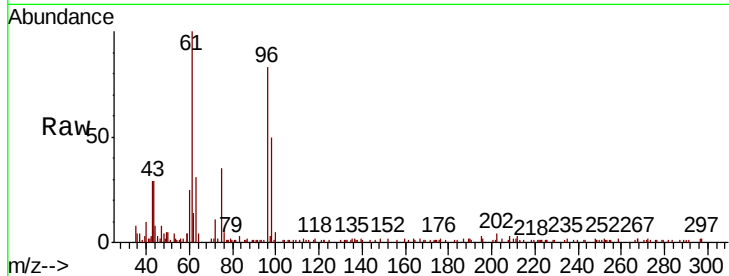
cis-1,2-Dichloroethene
Concen: 0.922 ug/L
RT: 6.70 min Scan# 826
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.8	88.8	164.8
68	0.0	0.0	0.0

Manual Integrations
APPROVED

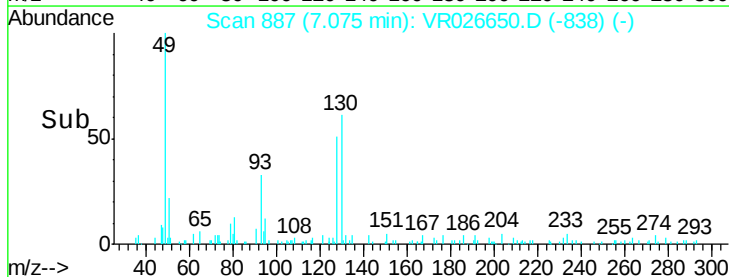
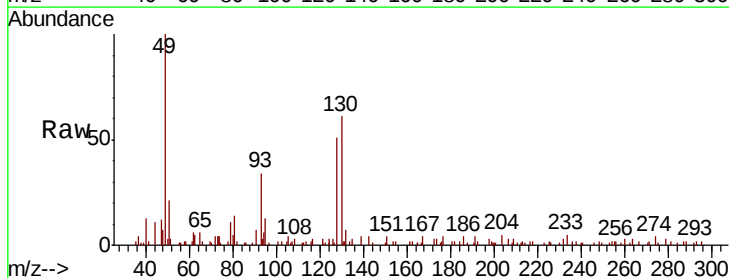
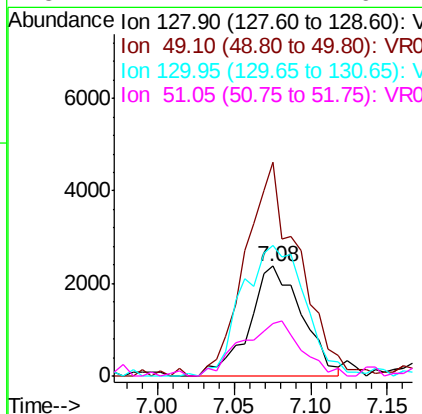
MMDadoda
10/11/2019 3:30:41 PM

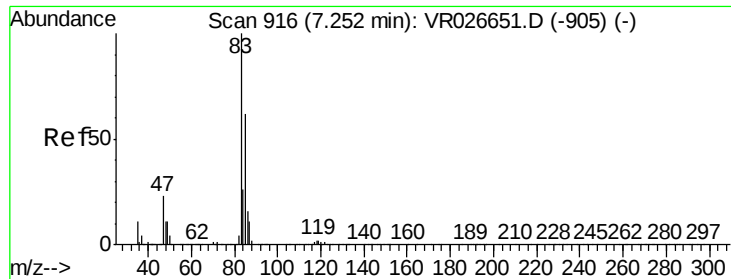


#23

Bromochloromethane
Concen: 1.125 ug/L
RT: 7.08 min Scan# 887
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
128	100		
49	194.9	116.1	215.7
130	119.3	80.3	149.1
51	47.4	41.4	62.2





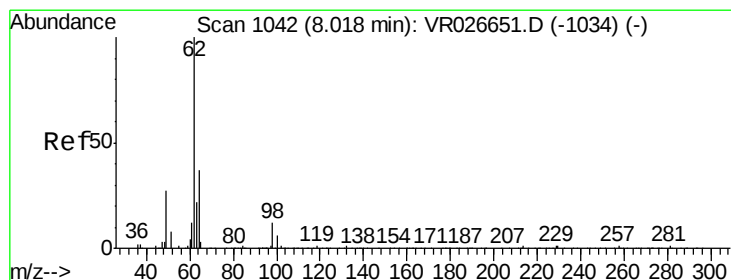
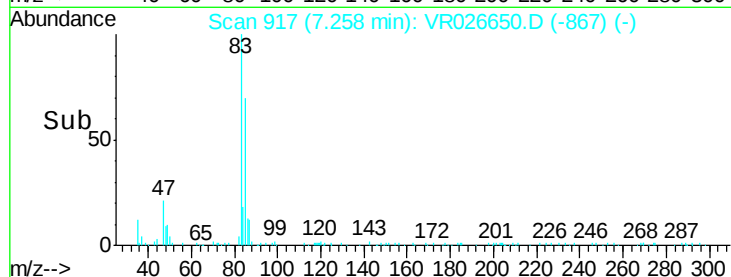
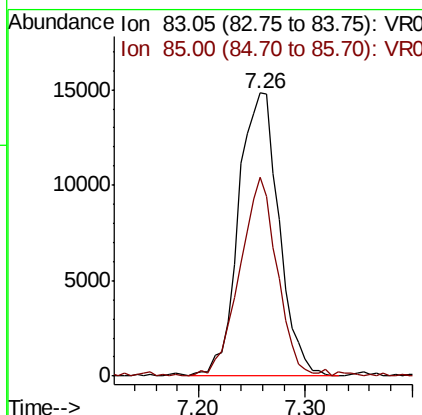
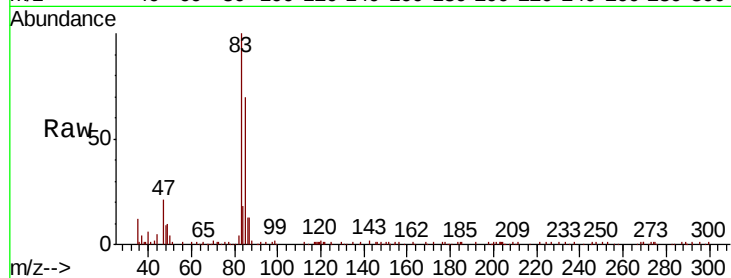
#25
Chloroform
Concen: 1.174 ug/L
RT: 7.26 min Scan# 917
Delta R.T. 0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion	83	Resp	39373
Ion Ratio	100	Lower	Upper
83	100		
85	70.5	43.3	80.5

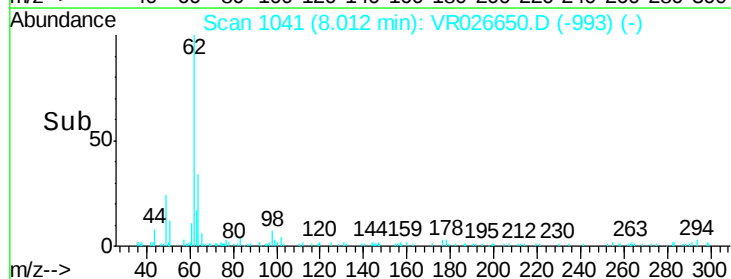
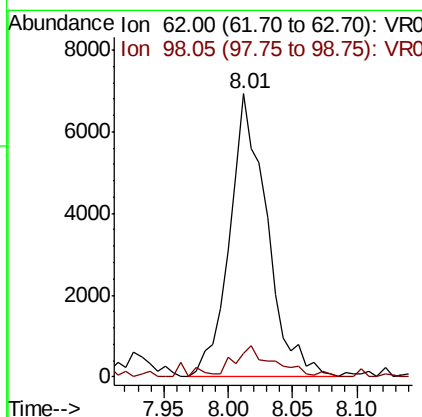
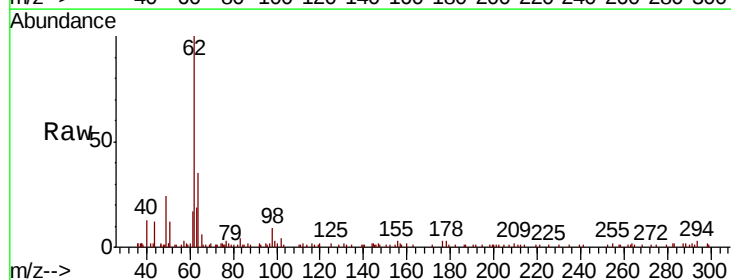
Manual Integrations
APPROVED

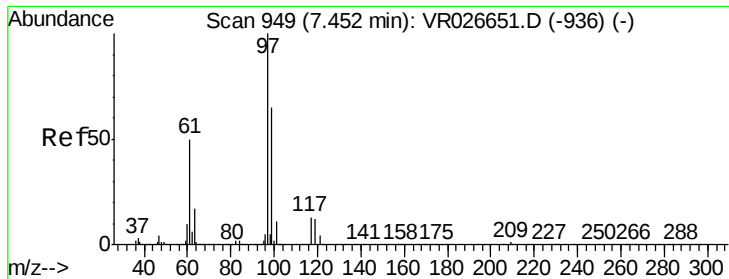
MMDadoda
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#27
1,2-Dichloroethane
Concen: 1.164 ug/L
RT: 8.01 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion	62	Resp	13936
Ion Ratio	100	Lower	Upper
62	100		
98	8.5	9.6	14.4#





#29

1,1,1-Trichloroethane

Concen: 1.033 ug/L

RT: 7.46 min Scan# 950

Delta R.T. 0.01 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

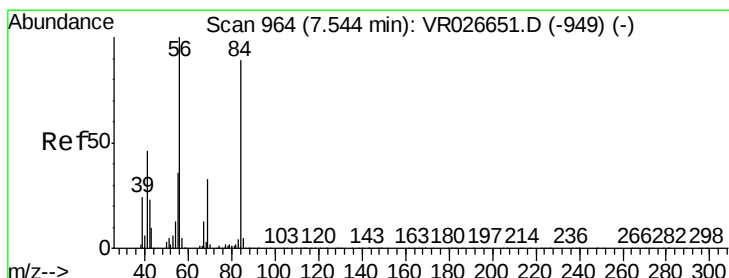
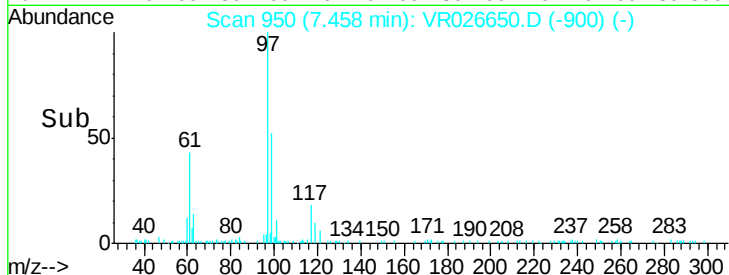
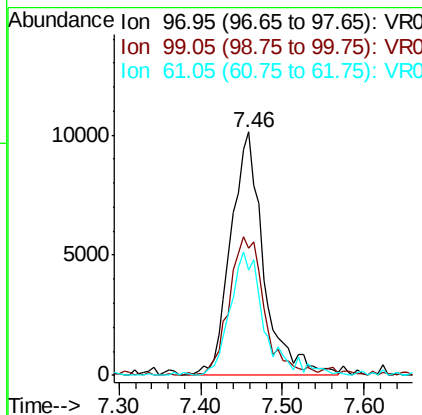
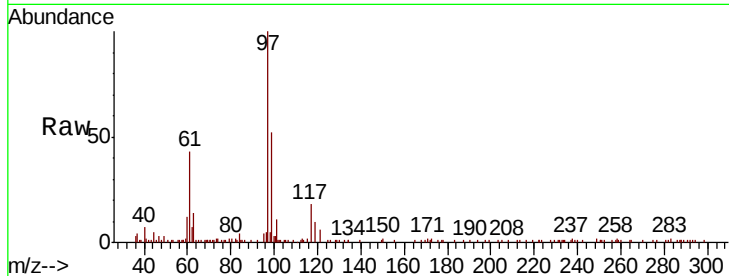
ClientSampleId :

VSTD00165

Tot Ion:	97	Resp:	28250
Ion Ratio	Lower	Upper	
97	100		
99	60.6	52.8	79.2
61	49.3	38.8	58.2

Manual Integrations
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#30

Cyclohexane

Concen: 0.728 ug/L

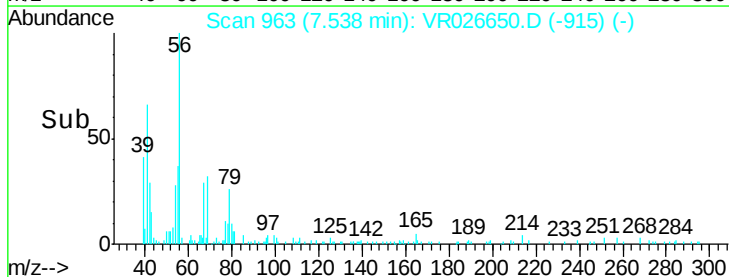
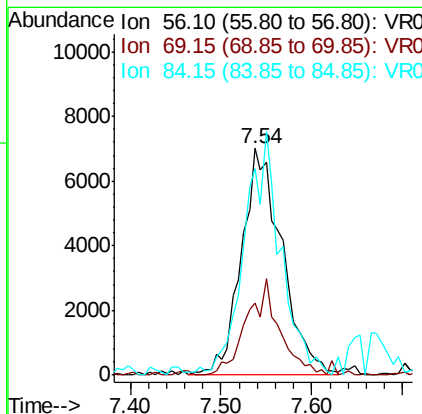
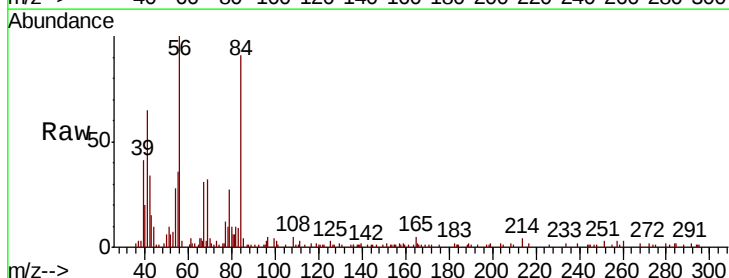
RT: 7.54 min Scan# 963

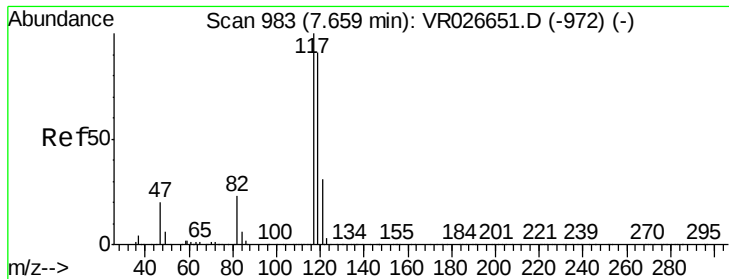
Delta R.T. -0.01 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Tgt Ion:	56	Resp:	21732
Ion Ratio	Lower	Upper	
56	100		
69	34.2	25.9	38.9
84	96.3	66.2	99.4





#31

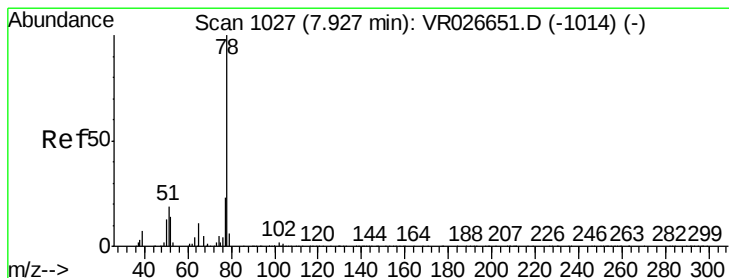
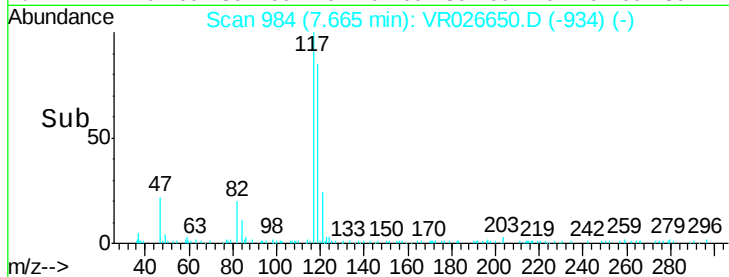
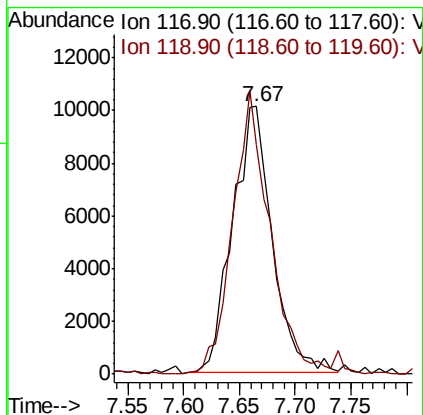
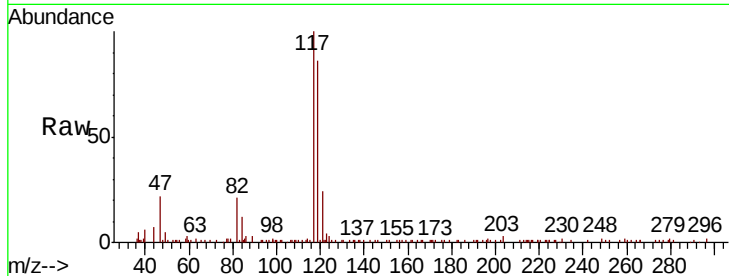
Carbon tetrachloride
Concen: 1.051 ug/L
RT: 7.67 min Scan# 984
Delta R.T. 0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.2	76.6	114.8

Manual Integrations
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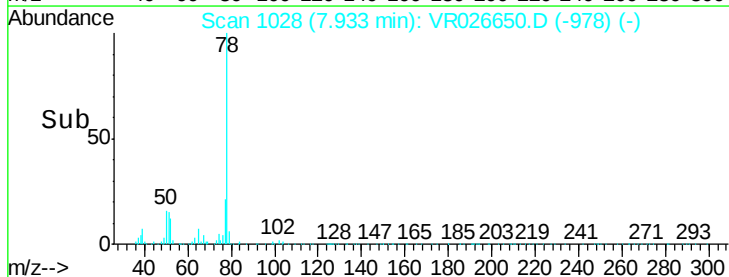
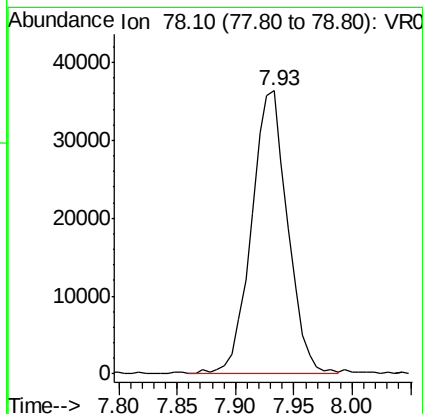
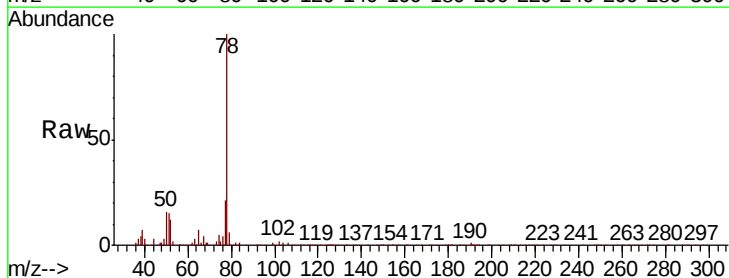
MMDadoda
10/11/2019 3:30:41 PM

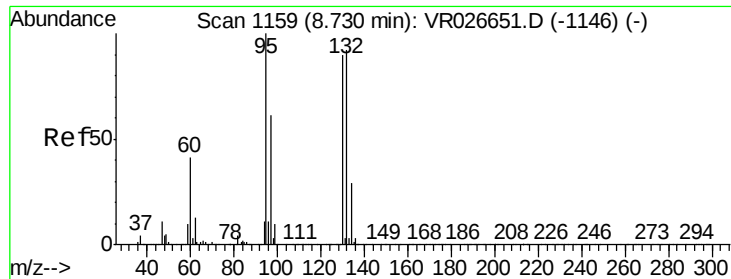


#33

Benzene
Concen: 1.008 ug/L
RT: 7.93 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion: 78 Resp: 77435





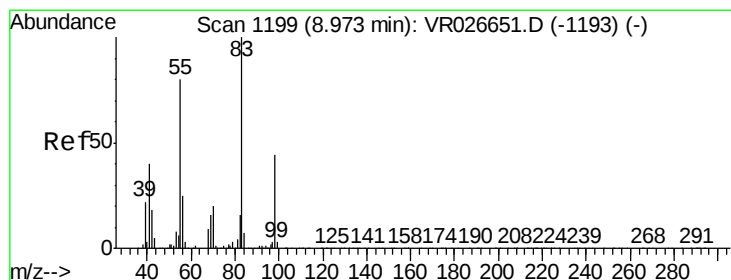
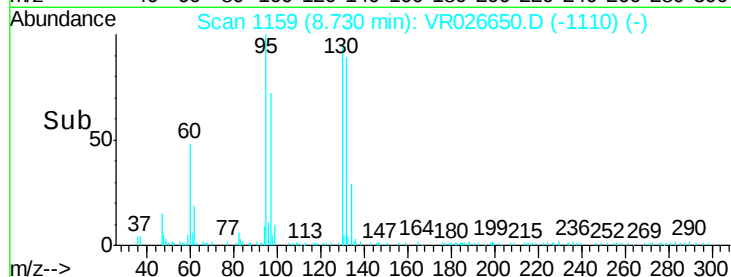
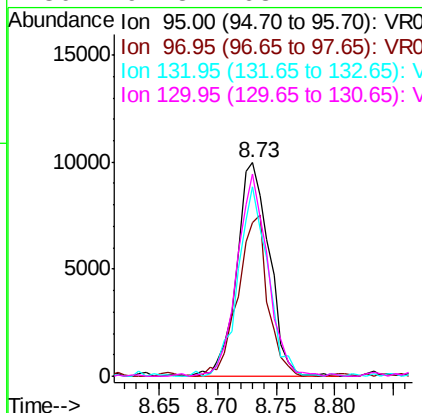
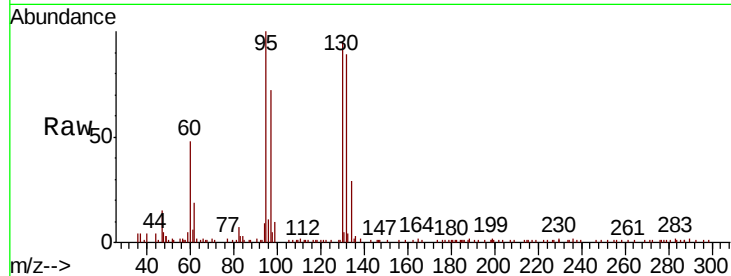
#34
 Trichloroethene
 Concen: 1.018 ug/L
 RT: 8.73 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00165

Tot Ion	95	Resp:	19413
Ion Ratio	Lower	Upper	
95	100		
97	71.8	43.0	79.8
132	88.9	64.6	120.0
130	94.8	63.2	117.4

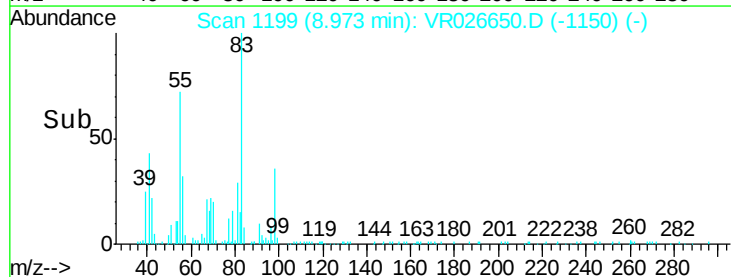
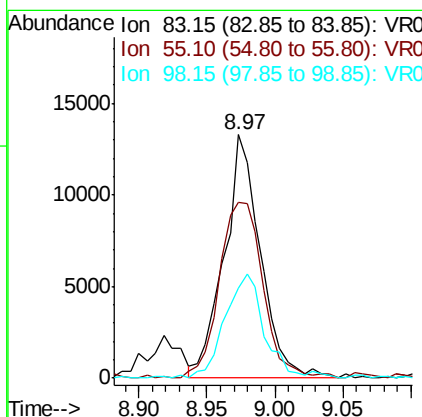
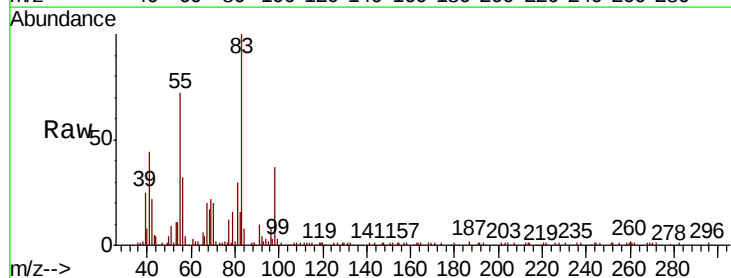
Manual Integrations
 APPROVED

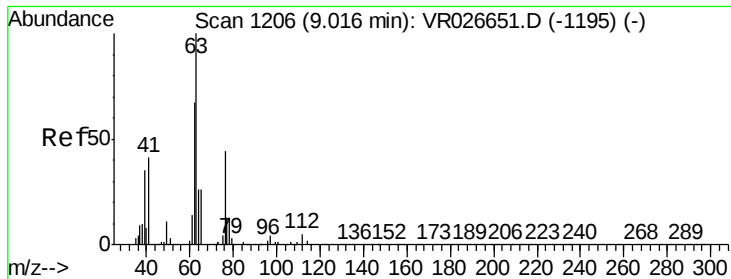
MMDadoda
 10/11/2019 3:30:41 PM



#35
 Methylcyclohexane
 Concen: 0.846 ug/L
 RT: 8.97 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Tgt Ion	83	Resp:	24739
Ion Ratio	Lower	Upper	
83	100		
55	86.8	61.3	91.9
98	45.5	34.3	51.5





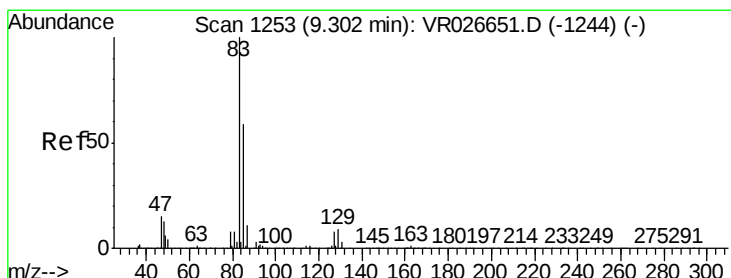
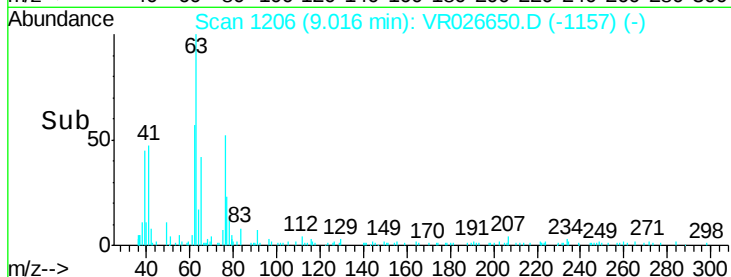
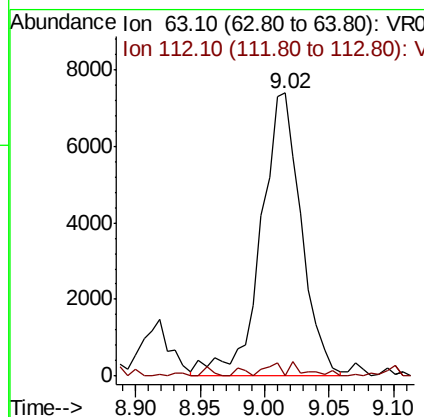
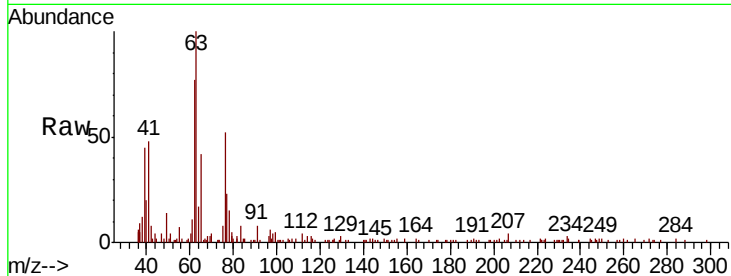
#37
 1,2-Dichloropropane
 Concen: 1.047 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00165

Tot Ion	Ratio	Lower	Upper
63	100		
112	1.8	3.6	5.4#

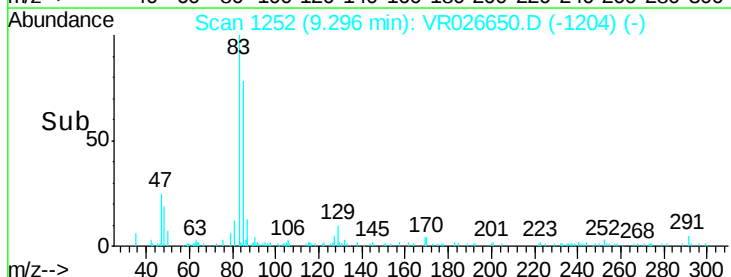
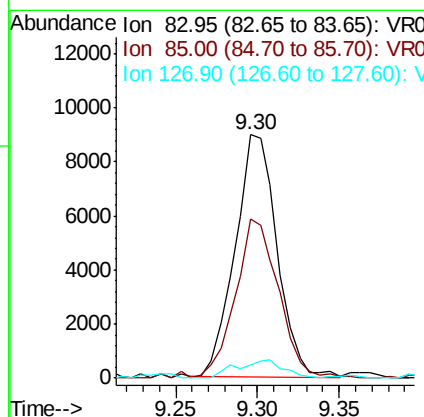
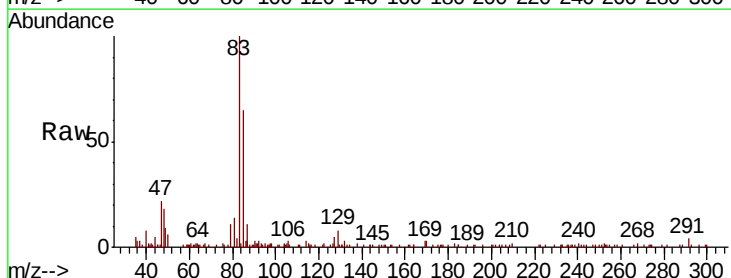
Manual Integrations
 APPROVED

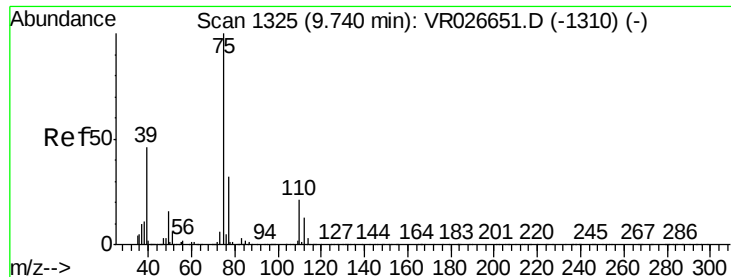
MMDadoda
 10/11/2019 3:30:41 PM



#38
 Bromodichloromethane
 Concen: 0.975 ug/L
 RT: 9.30 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	41.3	76.7
127	5.2	6.8	10.2#





#39

cis-1,3-Dichloropropene

Concen: 0.775 ug/L

RT: 9.74 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00165

Tot Ion: 75 Resp: 12553

Ion Ratio Lower Upper

75 100

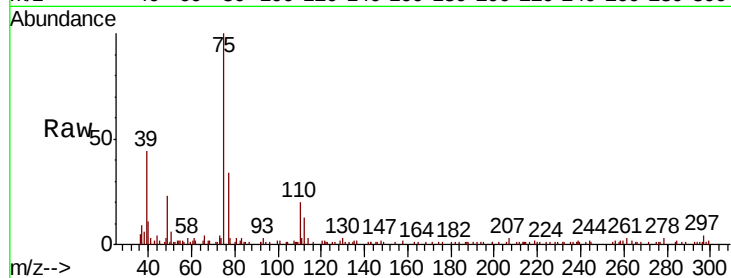
77 34.2 22.0 41.0

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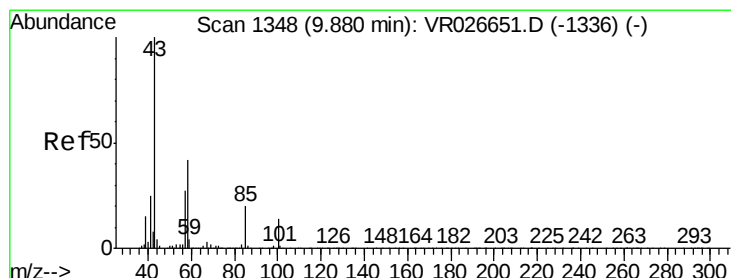
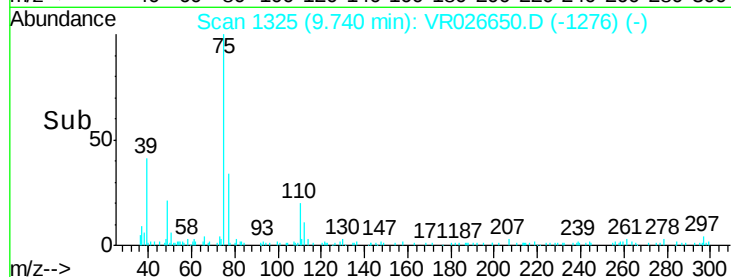
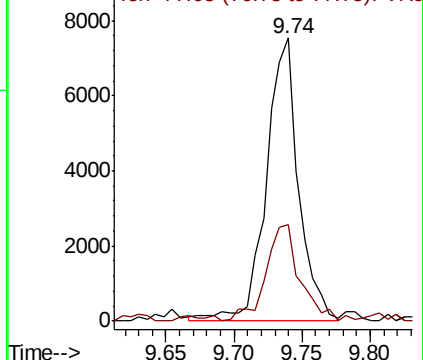
MMDadoda

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Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 7.104 ug/L

RT: 9.88 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

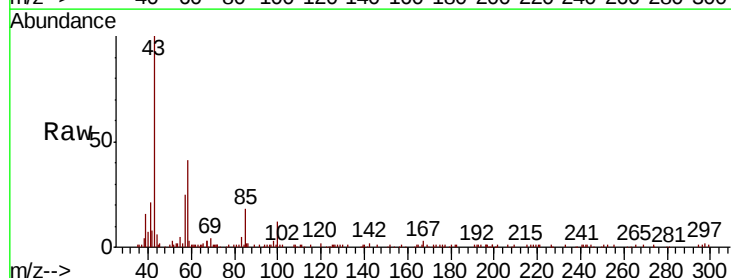
Tgt Ion: 43 Resp: 26654

Ion Ratio Lower Upper

43 100

58 38.8 32.4 48.6

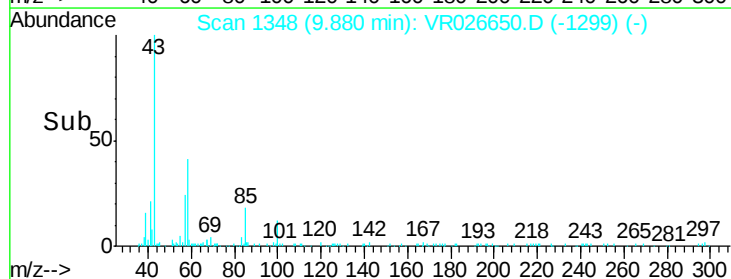
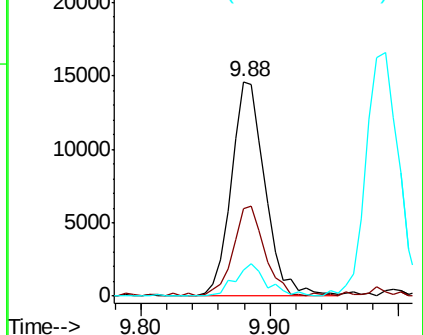
100 14.2 12.9 19.3

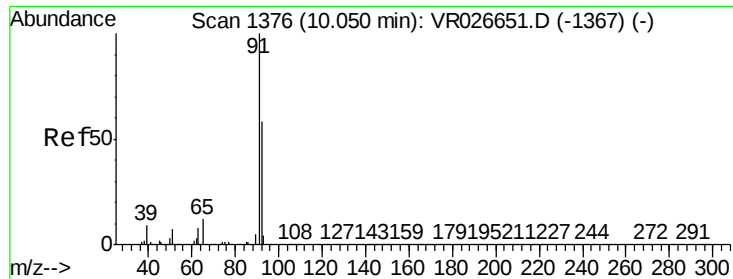


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.954 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

ClientSampleId :

VSTD00165

Tot Ion: 91 Resp: 64414

Ion Ratio Lower Upper

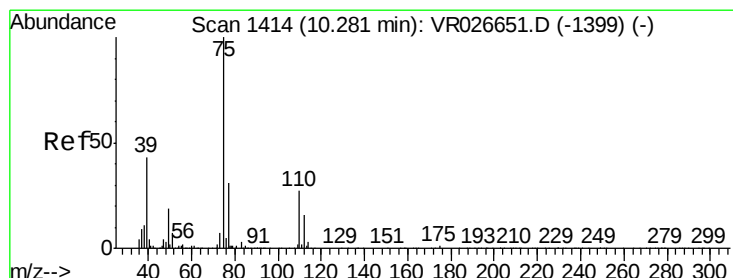
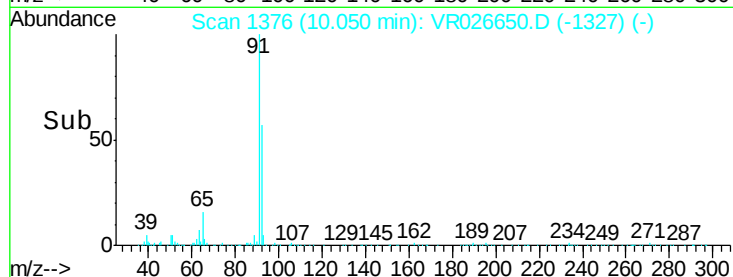
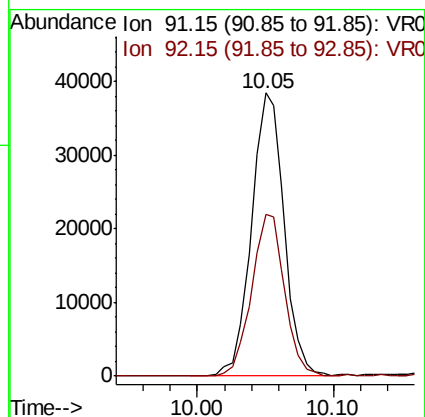
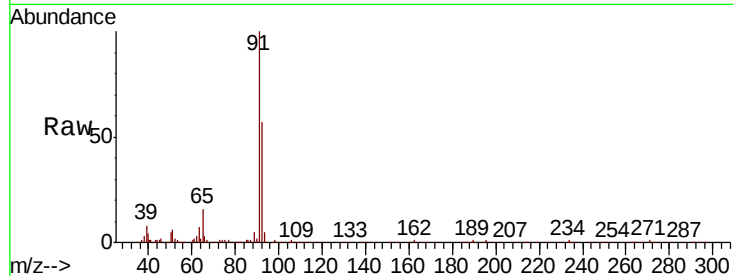
91 100

92 57.0 40.7 75.7

Manual Integrations
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#44

trans-1,3-Dichloropropene

Concen: 0.883 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VR026650.D

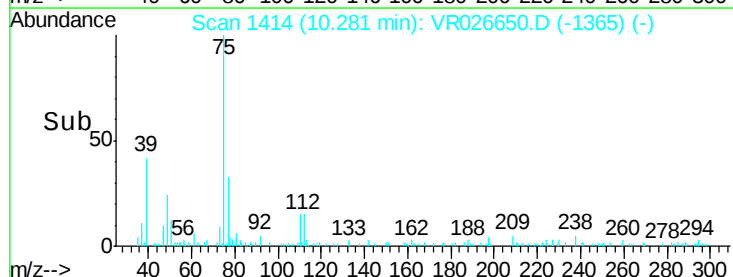
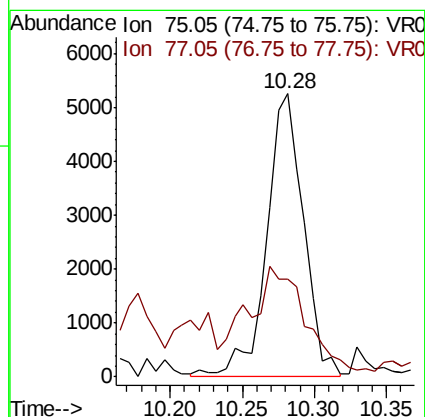
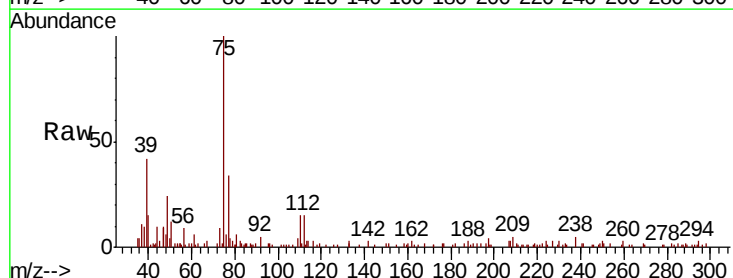
Acq: 10 Oct 2019 15:04

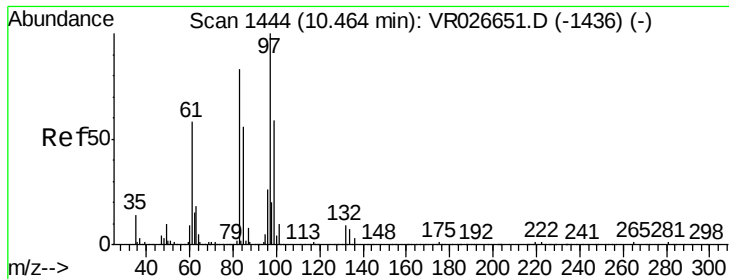
Tgt Ion: 75 Resp: 9341

Ion Ratio Lower Upper

75 100

77 34.4 24.2 45.0





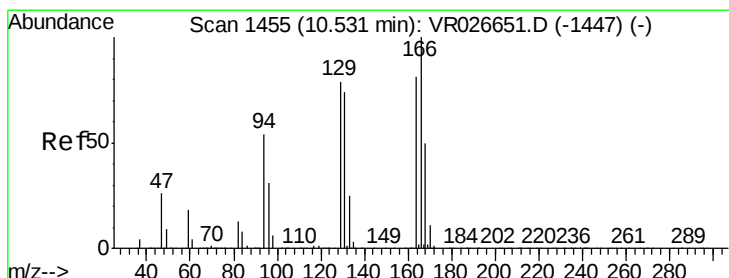
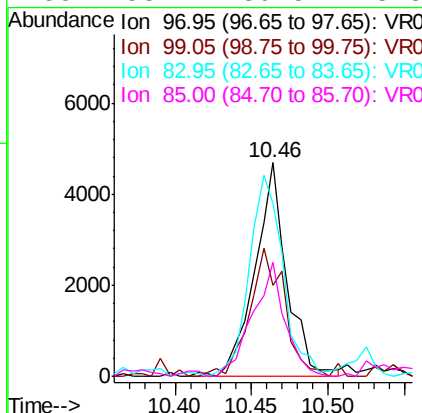
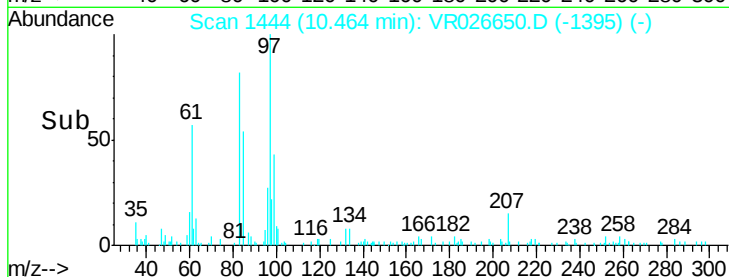
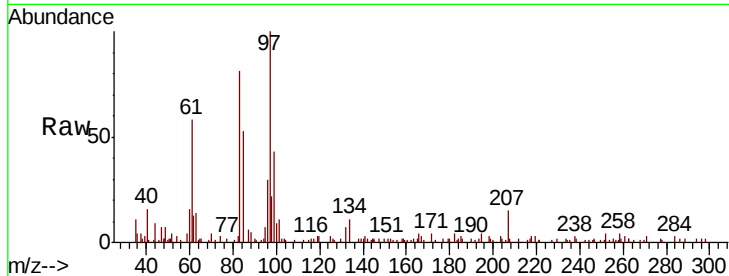
#45
 1,1,2-Trichloroethane
 Concen: 1.036 ug/L
 RT: 10.46 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00165

Tot Ion	97	Resp	6841
Ion	Ratio	Lower	Upper
97	100		
99	42.7	41.3	76.7
83	80.8	58.2	108.2
85	53.2	39.5	73.3

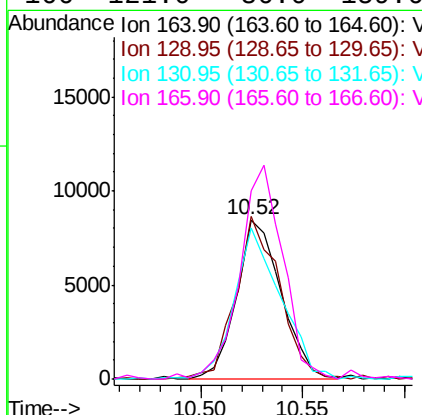
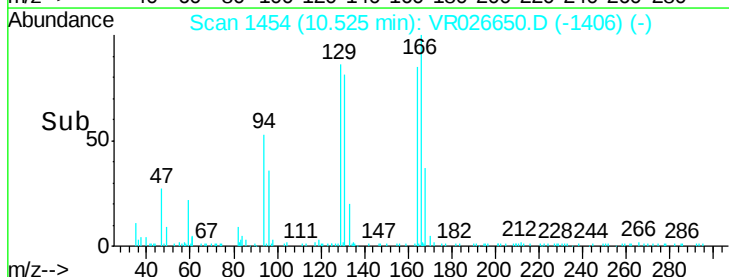
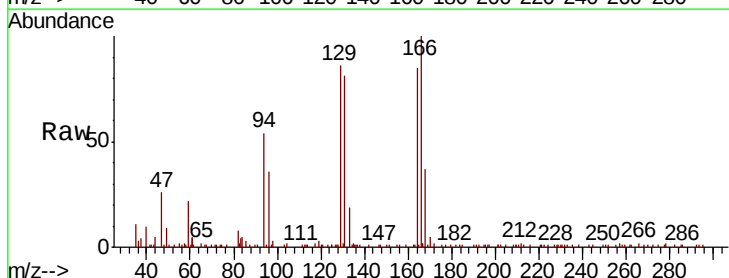
Manual Integrations
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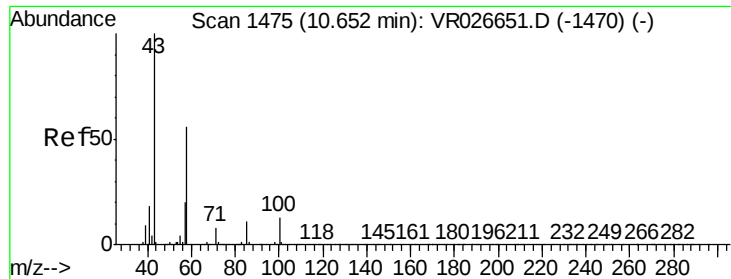
MMDadoda
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#47
 Tetrachloroethene
 Concen: 1.107 ug/L
 RT: 10.52 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Tgt Ion	164	Resp	12799
Ion	Ratio	Lower	Upper
164	100		
129	102.1	68.2	126.6
131	95.2	63.2	117.4
166	121.0	86.0	159.6





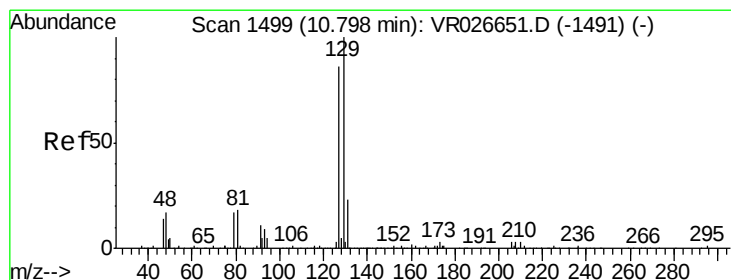
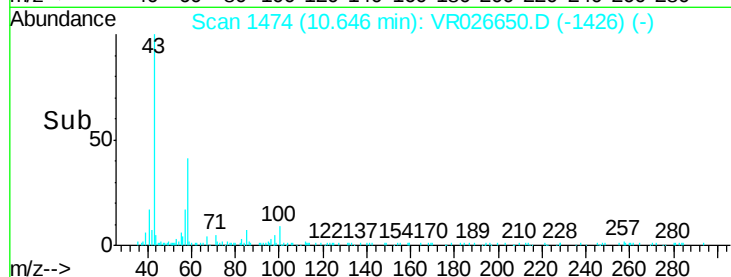
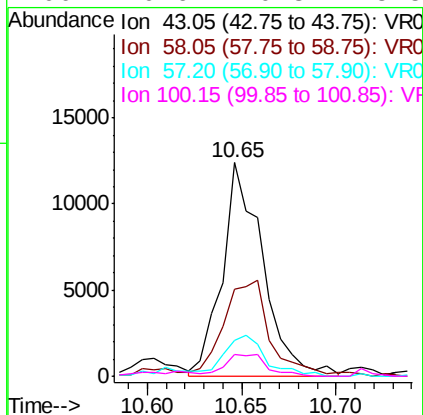
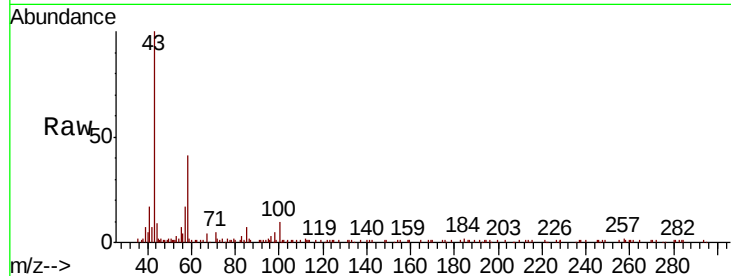
#48
2-Hexanone
Concen: 7.681 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	47.0	70.4
57	20.1	16.8	25.2
100	10.6	10.3	15.5

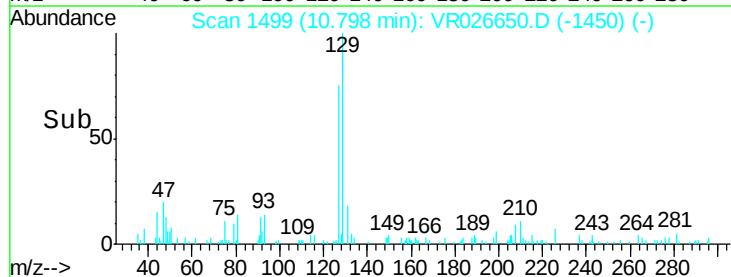
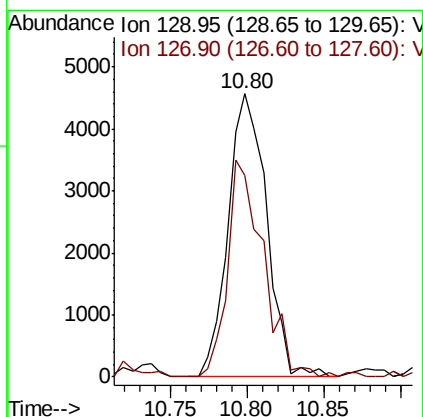
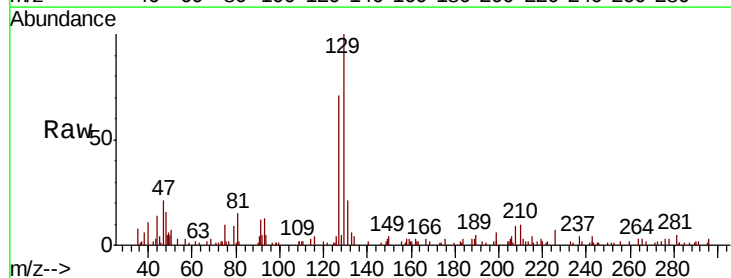
Manual Integrations
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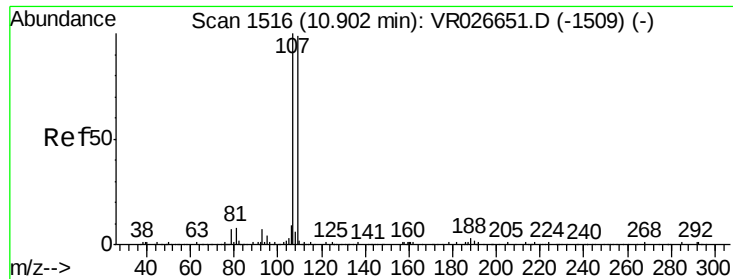
MMDadoda
10/11/2019 3:30:41 PM



#49
Dibromochloromethane
Concen: 1.099 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.2	60.2	111.8





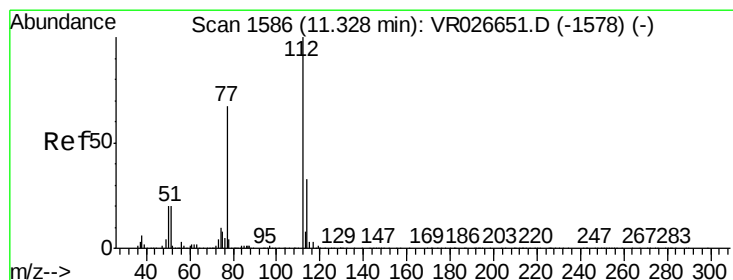
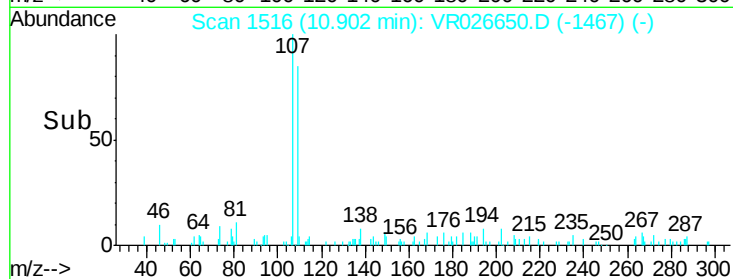
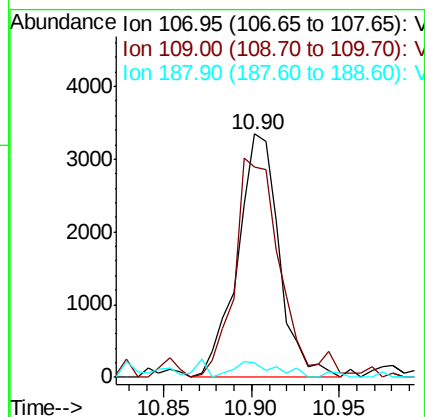
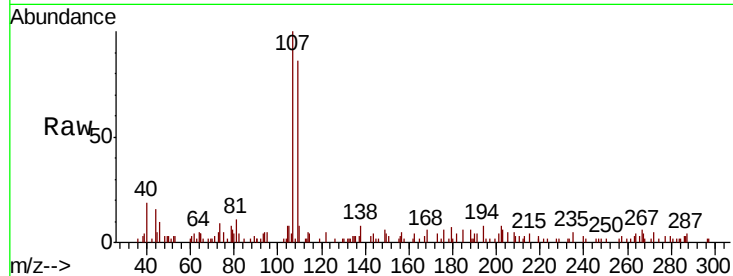
#50
1,2-Dibromoethane
Concen: 0.967 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion	Ratio	Resp	Lower	Upper
107	100	5538		
109	86.5	69.4	128.8	
188	6.0	2.1	3.1#	

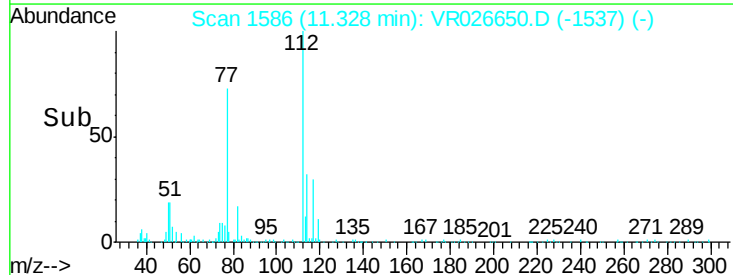
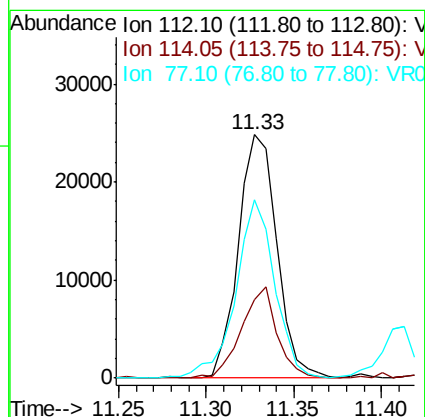
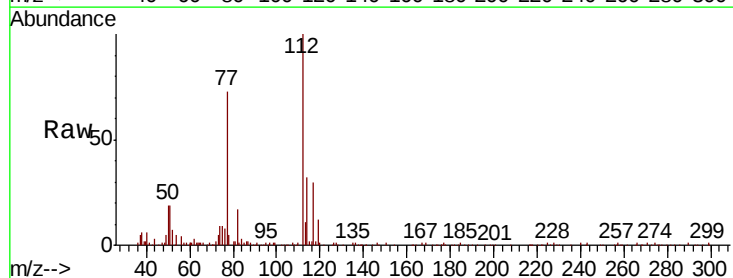
Manual Integrations
APPROVED

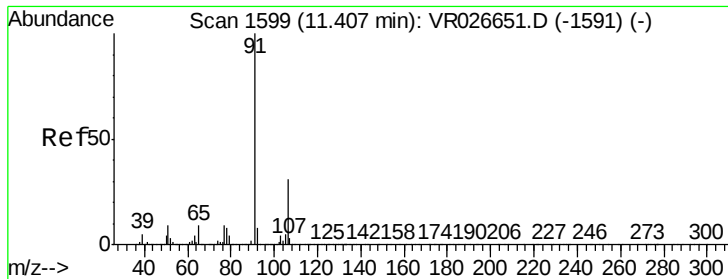
MMDadoda
10/11/2019 3:30:41 PM



#51
Chlorobenzene
Concen: 0.977 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	38169		
114	32.2	22.9	42.5	
77	73.2	53.4	80.0	





#52

Ethylbenzene

Concen: 0.852 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

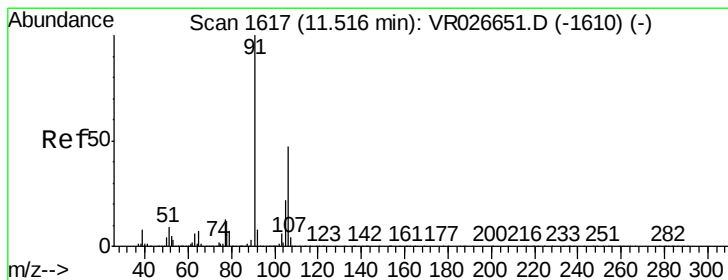
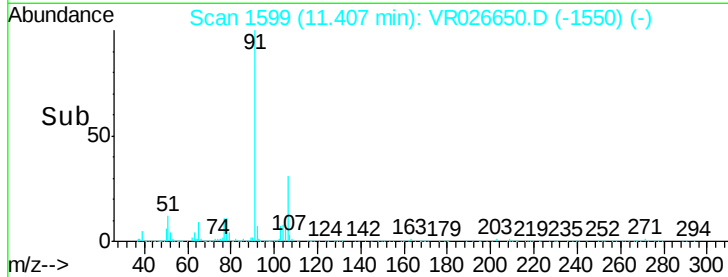
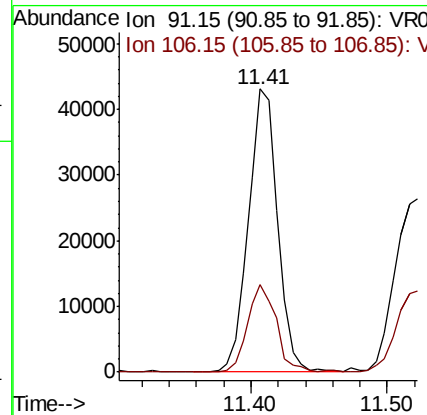
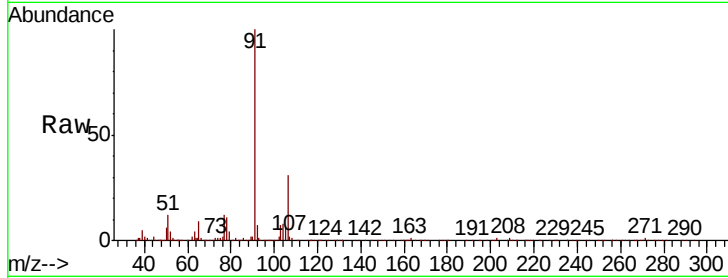
ClientSampleId :

VSTD00165

Tot Ion	91	Resp	64752
Ion Ratio	100	Lower	Upper
106	30.8	21.6	40.2

Manual Integrations
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#53

m,p-Xylene

Concen: 0.835 ug/L

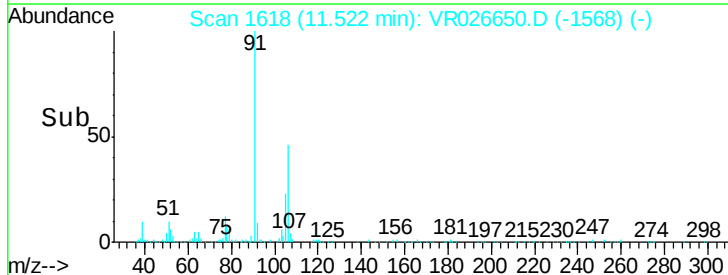
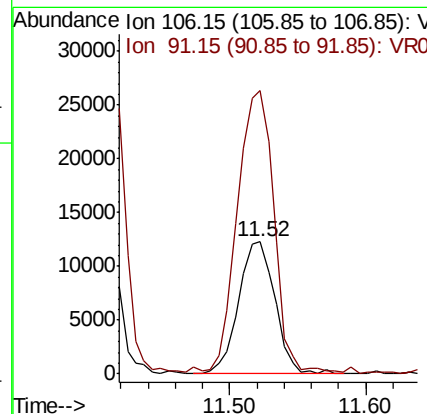
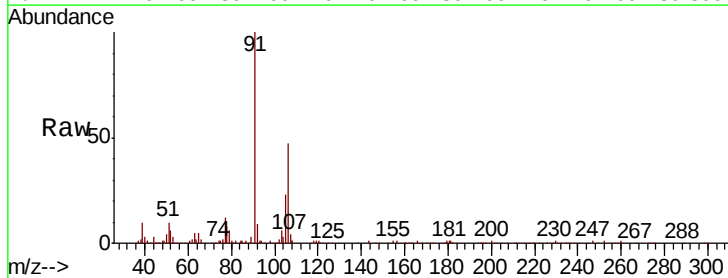
RT: 11.52 min Scan# 1618

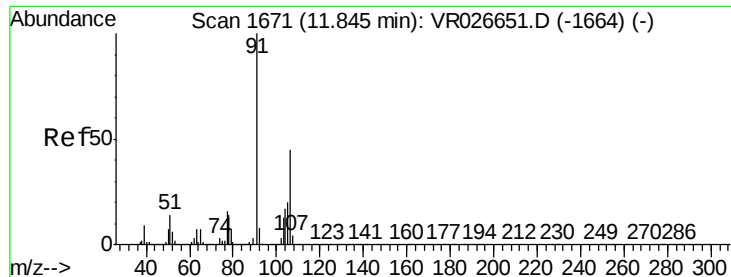
Delta R.T. 0.01 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Tgt Ion	106	Resp	22882
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	214.4	148.4	275.6





#54

o-Xylene

Concen: 0.725 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

ClientSampled :

VSTD00165

Tot Ion:106 Resp: 19459

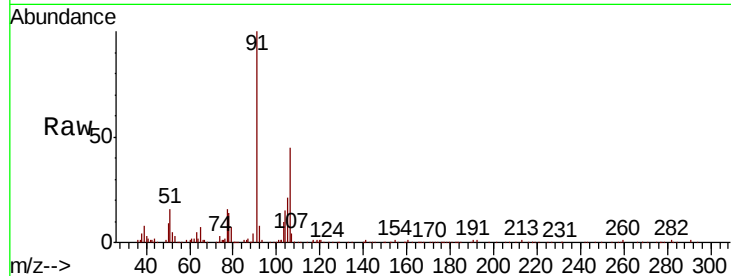
Ion Ratio Lower Upper

106 100

91 222.6 156.4 290.6

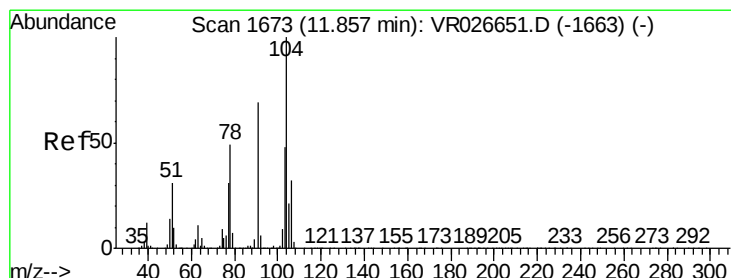
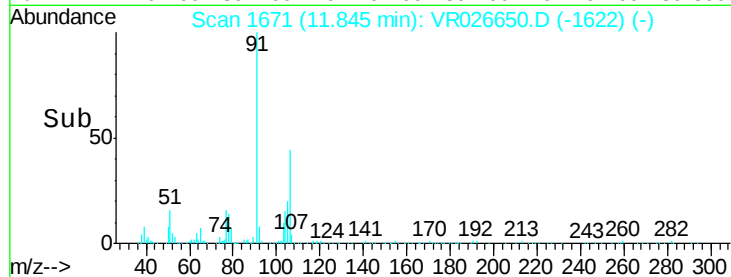
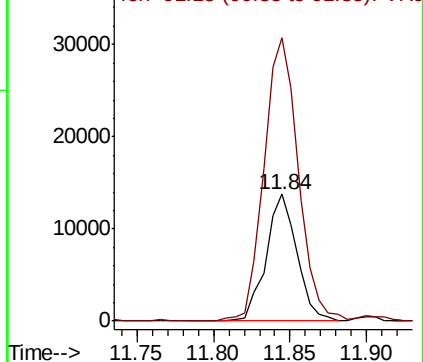
Manual Integrations
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 0.813 ug/L

RT: 11.86 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VR026650.D

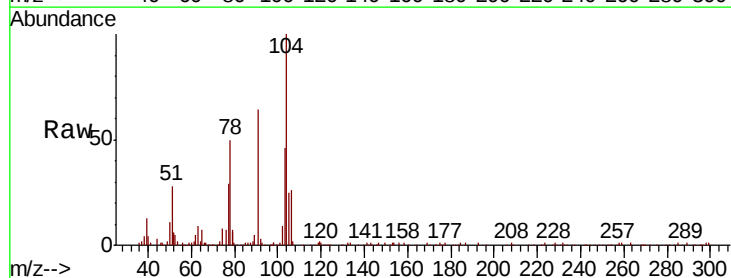
Acq: 10 Oct 2019 15:04

Tgt Ion:104 Resp: 31275

Ion Ratio Lower Upper

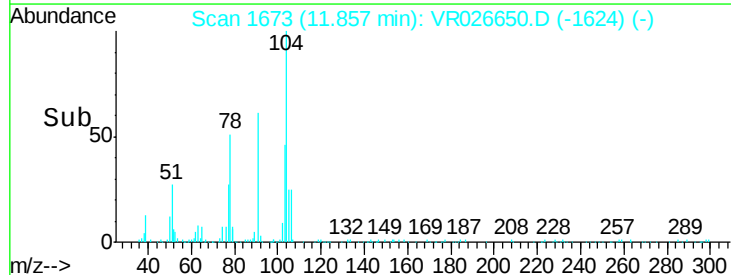
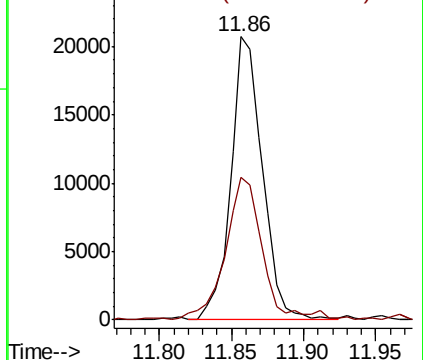
104 100

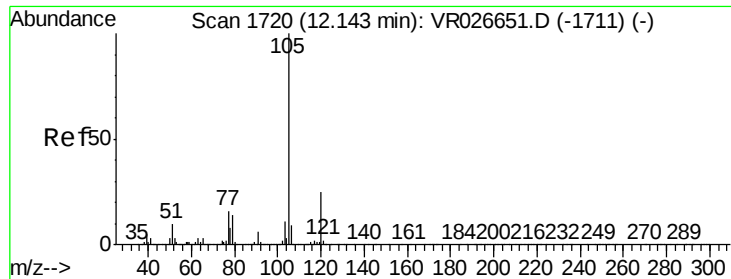
78 50.4 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 0.840 ug/L

RT: 12.14 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

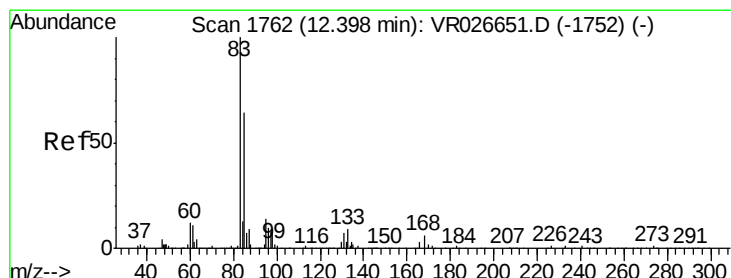
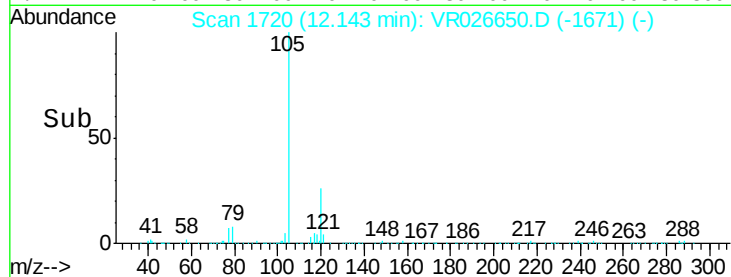
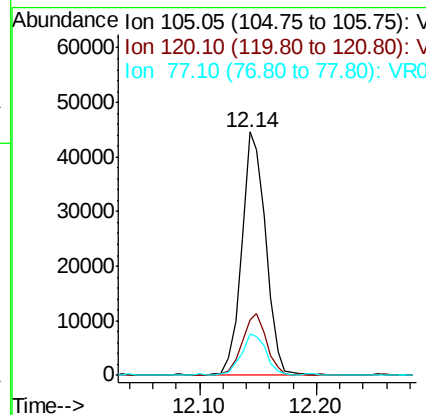
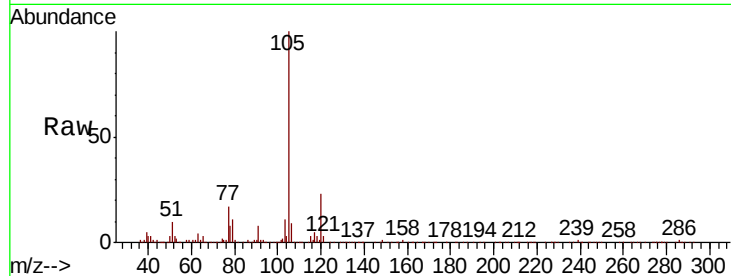
ClientSampleId :

VSTD00165

Tot Ion:	105	Resp:	63847
Ion Ratio	Lower	Upper	
105	100		
120	26.0	20.6	31.0
77	18.1	13.6	20.4

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 0.945 ug/L

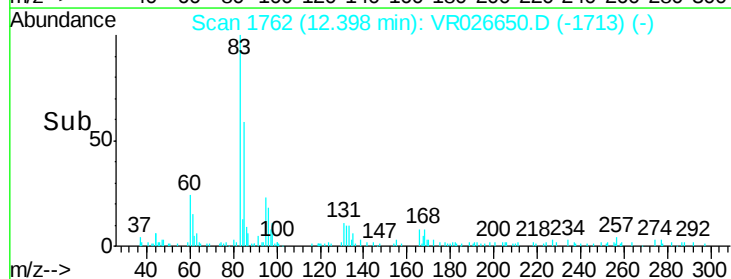
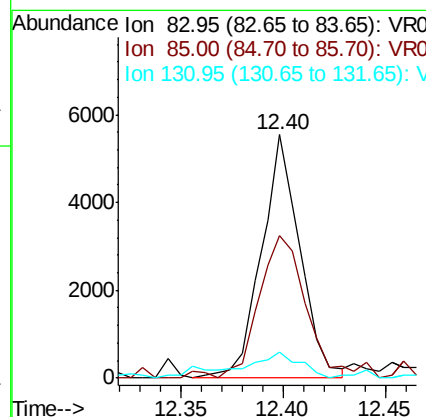
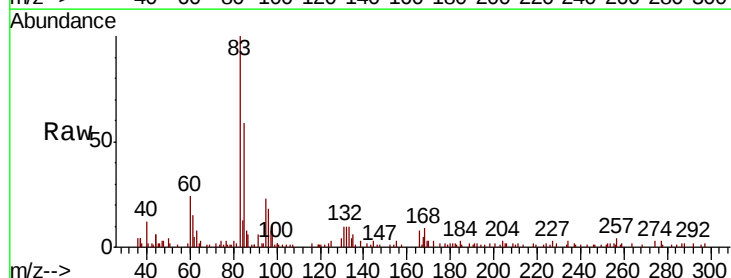
RT: 12.40 min Scan# 1762

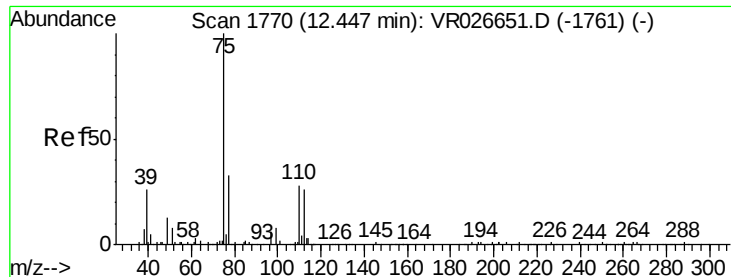
Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Tgt Ion:	83	Resp:	7266
Ion Ratio	Lower	Upper	
83	100		
85	58.8	44.7	82.9
131	10.5	5.4	8.2#





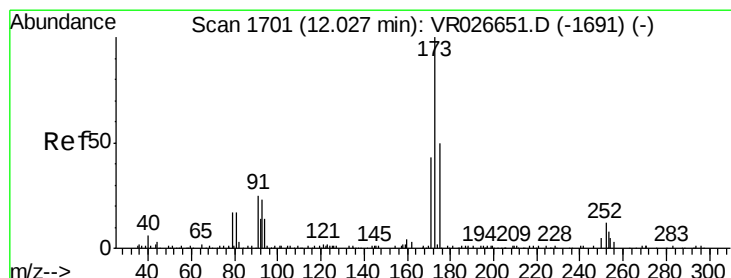
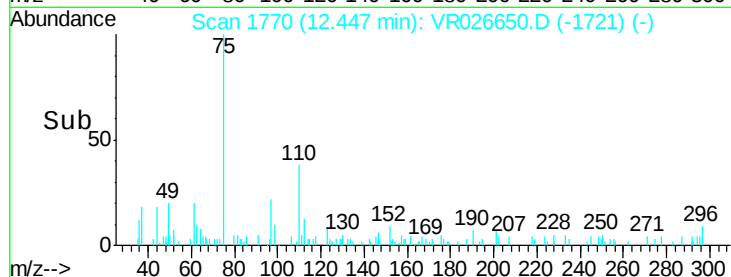
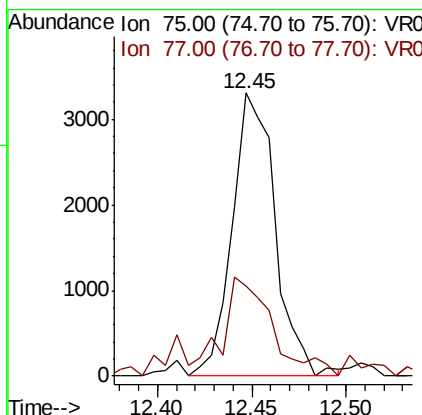
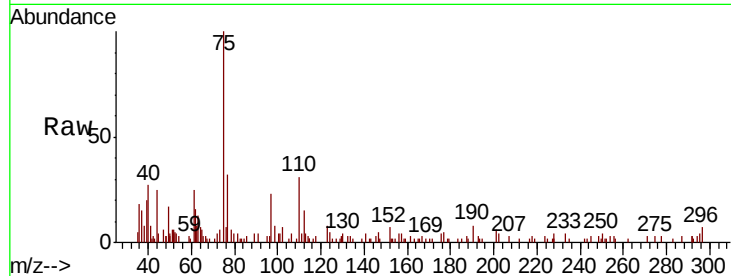
#59
 1,2,3-Trichloropropane
 Concen: 0.958 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00165

Tot Ion	Ratio	Lower	Upper
75	100		
77	38.8	26.5	39.7

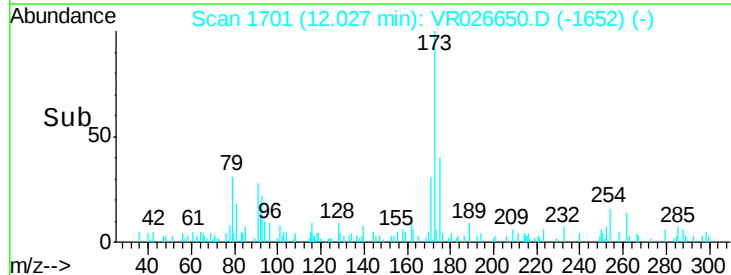
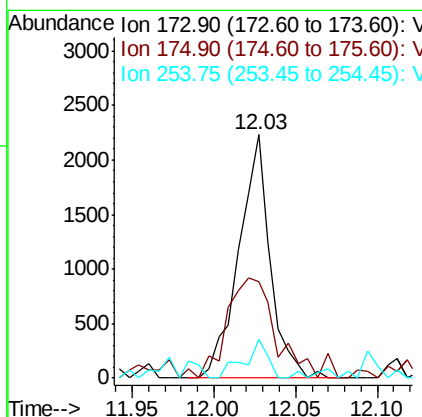
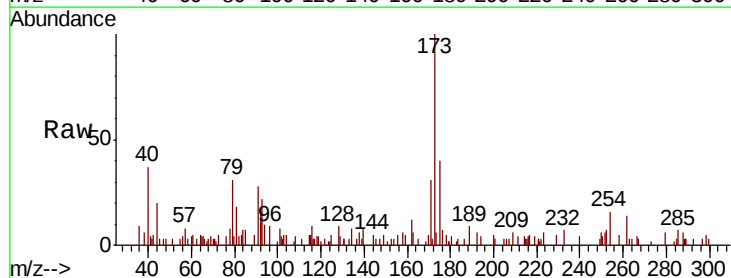
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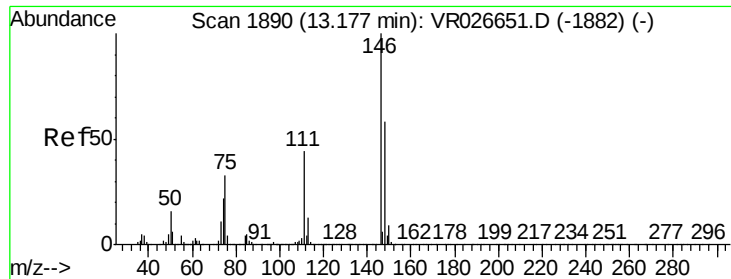
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#61
 Bromoform
 Concen: 0.876 ug/L
 RT: 12.03 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
173	100		
175	62.7	38.6	57.8#
254	11.8	11.3	16.9





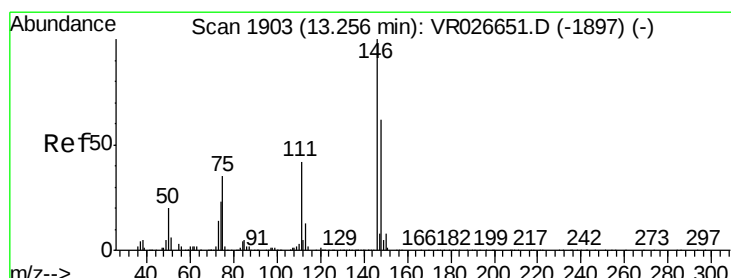
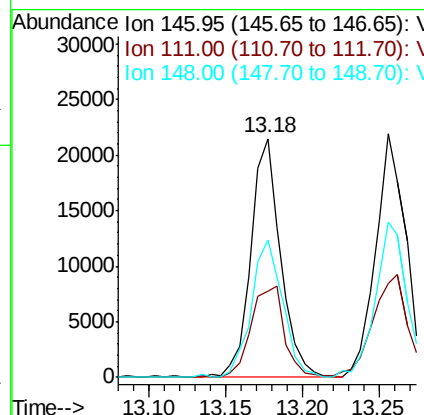
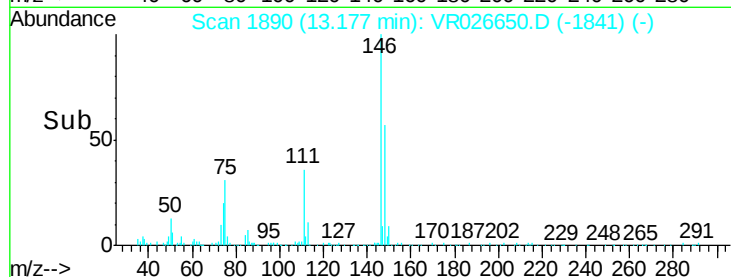
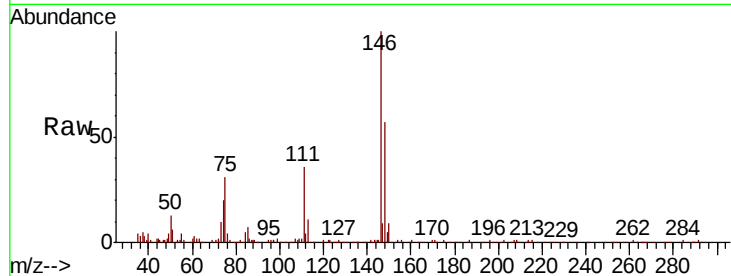
#62
 1,3-Dichlorobenzene
 Concen: 0.935 ug/L
 RT: 13.18 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00165

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	31.0	57.6
148	57.4	40.9	75.9

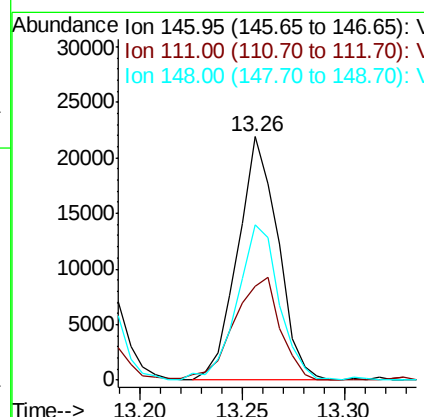
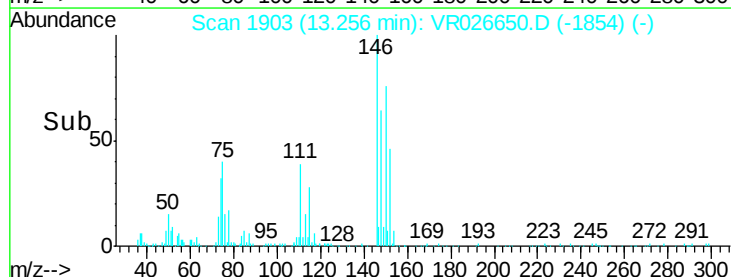
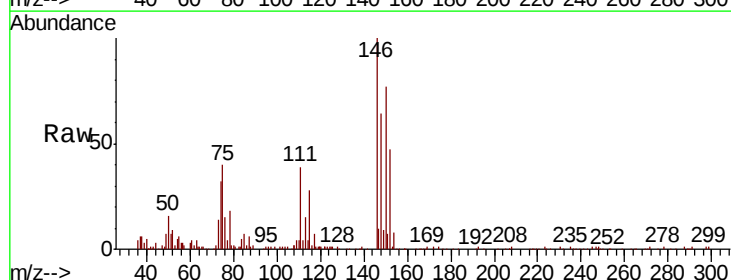
Manual Integrations
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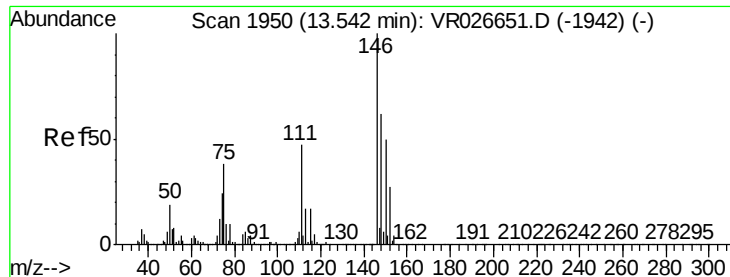
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#63
 1,4-Dichlorobenzene
 Concen: 0.969 ug/L
 RT: 13.26 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	29.6	55.0
148	63.8	43.2	80.2





#65

1,2-Dichlorobenzene

Concen: 0.980 ug/L

RT: 13.55 min Scan# 1951

Delta R.T. 0.01 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Instrument :

MSVOA_R

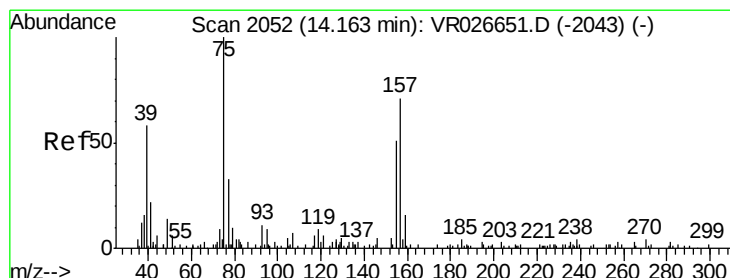
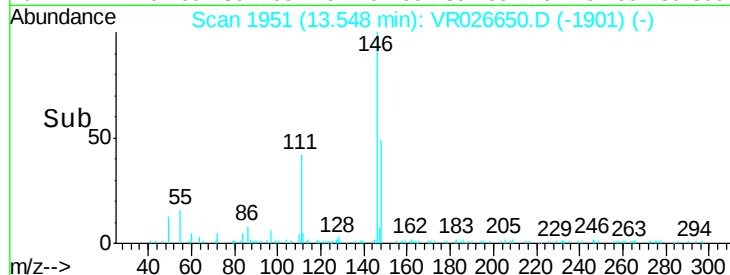
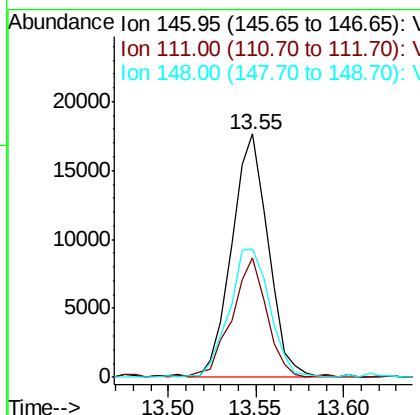
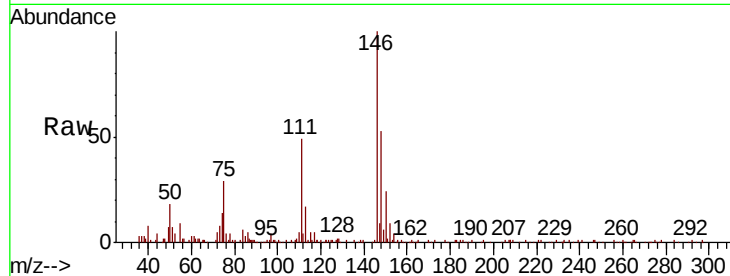
ClientSampleId :

VSTD00165

Tot Ion:	146	Resp:	25507
Ion Ratio		Lower	Upper
146	100		
111	49.1	37.4	56.2
148	52.7	49.6	74.4

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.031 ug/L

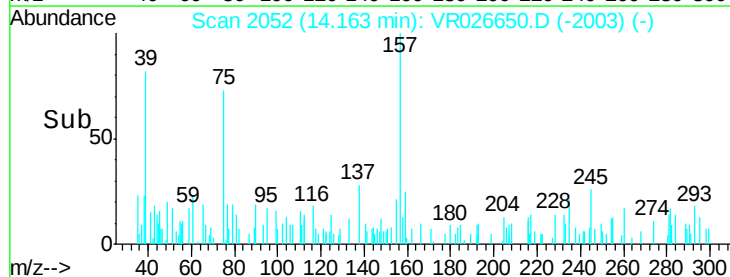
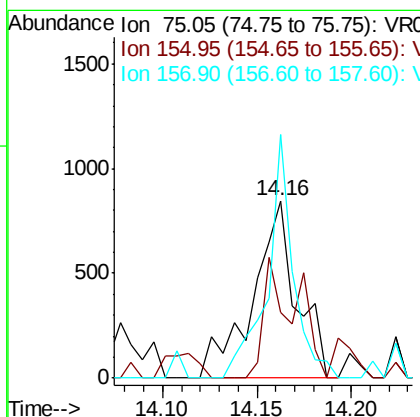
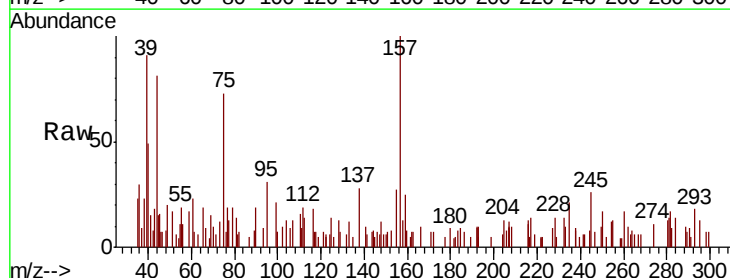
RT: 14.16 min Scan# 2052

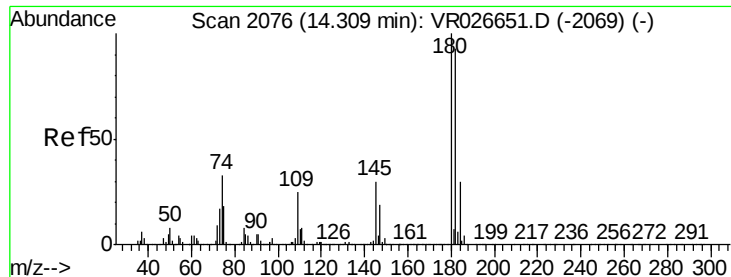
Delta R.T. -0.00 min

Lab File: VR026650.D

Acq: 10 Oct 2019 15:04

Tgt Ion:	75	Resp:	1360
Ion Ratio		Lower	Upper
75	100		
155	36.7	41.8	62.8#
157	137.0	56.5	84.7#





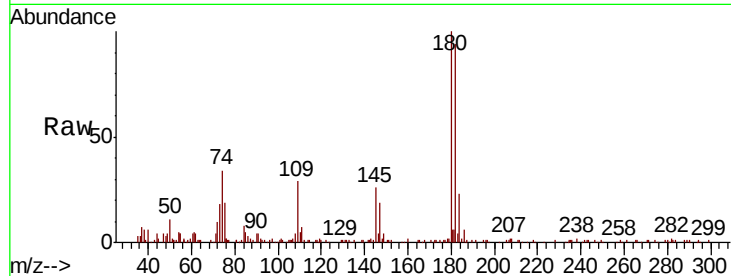
#67
 1,3,5-Trichlorobenzene
 Concen: 0.796 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00165

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.0	72.5	108.7
184	29.1	22.7	34.1
145	36.4	24.7	37.1

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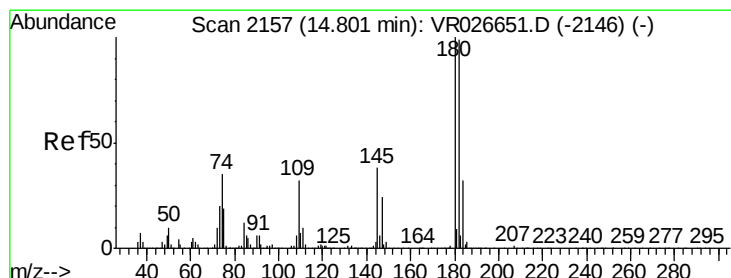
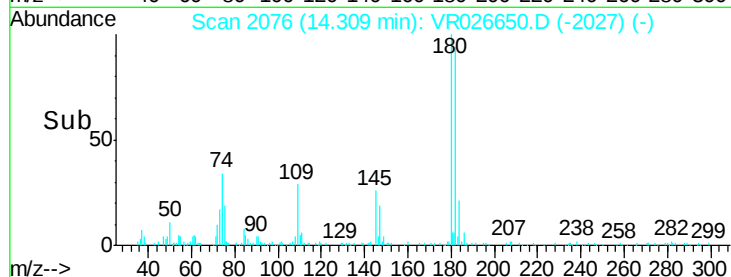
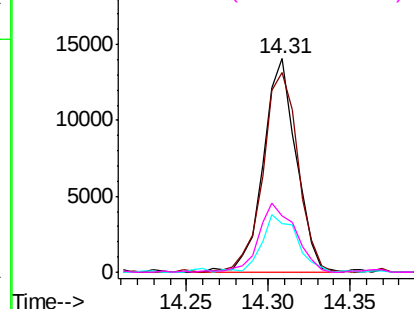
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

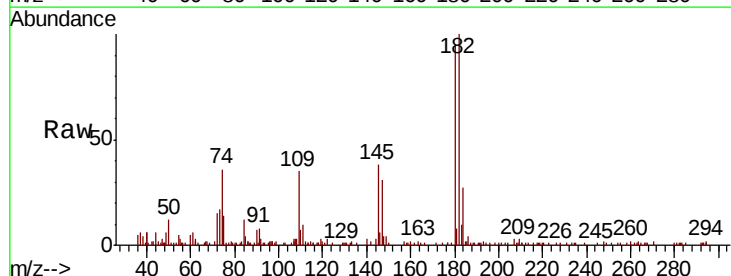
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.839 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026650.D
 Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.9	75.7	113.5
145	35.4	27.0	40.6

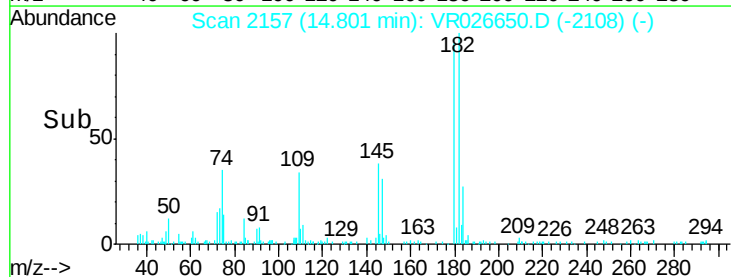
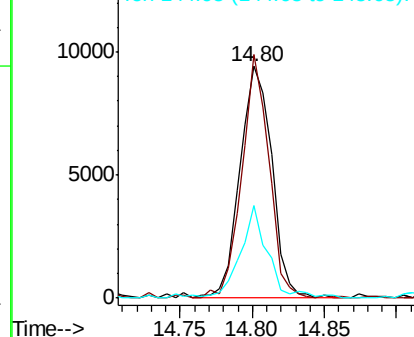


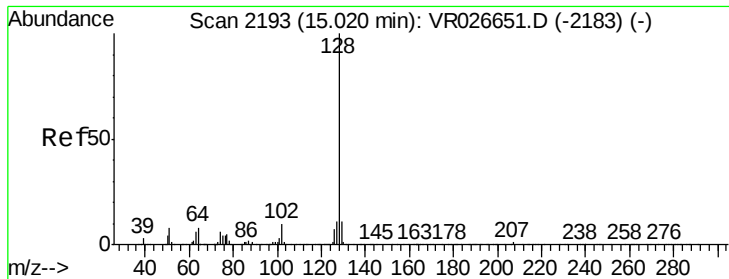
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





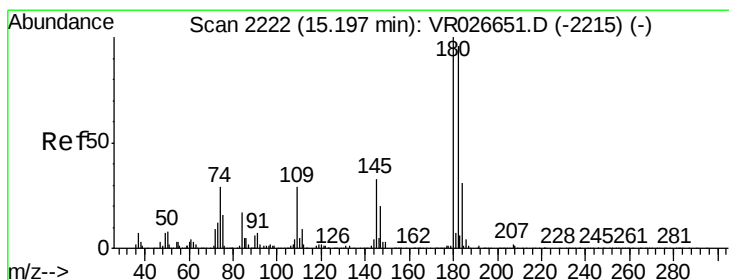
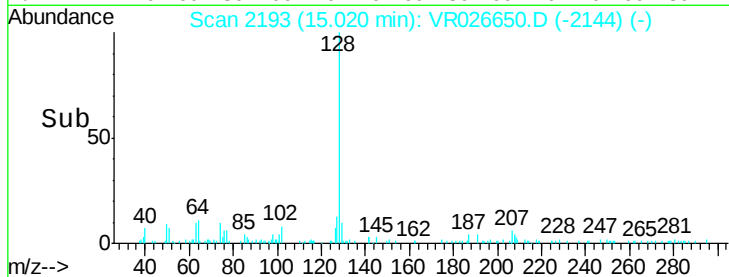
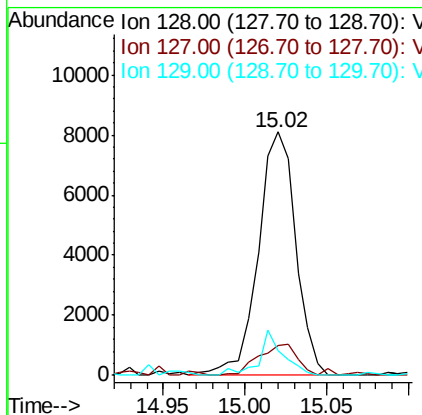
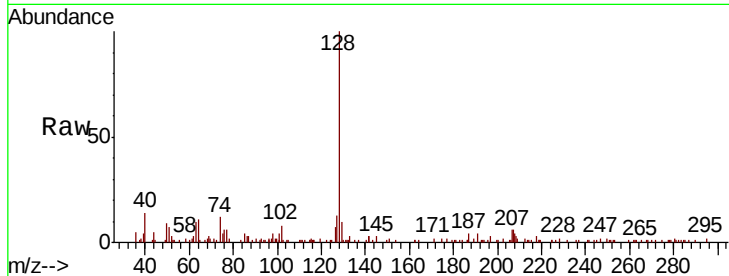
#69
Naphthalene
Concen: 0.570 ug/L
RT: 15.02 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Instrument :
MSVOA_R
ClientSampleId :
VSTD00165

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.7	8.4	12.6

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#70
1,2,3-Trichlorobenzene
Concen: 0.899 ug/L
RT: 15.20 min Scan# 2222
Delta R.T. -0.00 min
Lab File: VR026650.D
Acq: 10 Oct 2019 15:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.3	75.2	112.8
145	38.1	27.1	40.7

