

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101019\
 Data File : VR026649.D
 Acq On : 10 Oct 2019 14:32
 Operator : SY/MD
 Sample : VSTD0.564
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.564

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 3:30:37 PM

Quant Time: Oct 11 06:23:18 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	194531	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	163393	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	84231	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.20	65	7675	1.16	ug/L	0.01
7) Chloroethane-d5	2.64	69	6370	1.14	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	15841m	0.91	ug/L	-0.02
20) 2-Butanone-d5	6.63	46	7218	5.93	ug/L	0.00
24) Chloroform-d	7.23	84	20455	0.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.91	65	6813	0.86	ug/L	0.00
32) Benzene-d6	7.88	84	33997	0.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.91	67	8765	0.72	ug/L	0.00
41) Toluene-d8	9.98	98	23600	0.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	2929	1.03	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	3998	4.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	4753	0.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	8454	0.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	16301	0.676 ug/L	98
3) Chloromethane	2.07	50	8866	0.721 ug/L	93
5) Vinyl chloride	2.18	62	7854m	0.641 ug/L	
6) Bromomethane	2.53	94	5417	0.687 ug/L	89
8) Chloroethane	2.69	64	4598	0.653 ug/L	91
9) Trichlorofluoromethane	2.99	101	15881	0.729 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	6504m	0.692 ug/L	
12) 1,1-Dichloroethene	3.65	96	5757	0.631 ug/L #	65
13) Acetone	3.73	43	6220	6.779 ug/L	92
14) Carbon disulfide	3.97	76	38242	0.853 ug/L	98
15) Methyl Acetate	4.22	43	2150	0.563 ug/L	94
16) Methylene chloride	4.43	84	15533m	0.816 ug/L	
17) Methyl tert-butyl Ether	4.93	73	9951	0.529 ug/L #	84
18) trans-1,2-Dichloroethene	4.92	96	10963	0.578 ug/L	88
19) 1,1-Dichloroethane	5.72	63	20162	0.581 ug/L	91
21) 2-Butanone	6.72	43	7015	4.295 ug/L	89
22) cis-1,2-Dichloroethene	6.70	96	8888	0.494 ug/L	99
23) Bromochloromethane	7.10	128	3612	0.710 ug/L #	47
25) Chloroform	7.25	83	23024	0.682 ug/L	100
27) 1,2-Dichloroethane	8.01	62	8254	0.684 ug/L #	91
29) 1,1,1-Trichloroethane	7.45	97	14164	0.525 ug/L	98
30) Cyclohexane	7.56	56	9560	0.325 ug/L #	78
31) Carbon tetrachloride	7.66	117	13803	0.590 ug/L	95
33) Benzene	7.93	78	36618	0.483 ug/L	100
34) Trichloroethene	8.72	95	10275	0.546 ug/L	86
35) Methylcyclohexane	8.98	83	12206	0.423 ug/L	95
37) 1,2-Dichloropropane	9.01	63	7720	0.513 ug/L	99
38) Bromodichloromethane	9.30	83	8628	0.530 ug/L	95
39) cis-1,3-Dichloropropene	9.73	75	5834	0.365 ug/L	95
40) 4-Methyl-2-pentanone	9.89	43	11942	3.227 ug/L	99

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

42) Toluene	10.05	91	27911	0.419	ug/L	81
44) trans-1,3-Dichloropropene	10.28	75	4852	0.465	ug/L	100
45) 1,1,2-Trichloroethane	10.46	97	3475	0.533	ug/L #	86
47) Tetrachloroethene	10.53	164	6798	0.596	ug/L #	83
48) 2-Hexanone	10.65	43	9192	3.892	ug/L	92
49) Dibromochloromethane	10.80	129	4042	0.569	ug/L	81
50) 1,2-Dibromoethane	10.91	107	2831	0.501	ug/L #	72
51) Chlorobenzene	11.33	112	19204	0.498	ug/L	92
52) Ethylbenzene	11.41	91	30876	0.412	ug/L	96
53) m,p-Xylene	11.52	106	10570	0.391	ug/L	97
54) o-Xylene	11.84	106	9254	0.349	ug/L	89
55) Styrene	11.86	104	13015	0.343	ug/L	100
56) Isopropylbenzene	12.15	105	26476	0.353	ug/L	92
58) 1,1,1,2,2-Tetrachloroethane	12.40	83	4504	0.594	ug/L #	96
59) 1,2,3-Trichloropropane	12.45	75	3315	0.615	ug/L #	66
61) Bromoform	12.02	173	1855	0.551	ug/L #	69
62) 1,3-Dichlorobenzene	13.18	146	13578	0.445	ug/L	95
63) 1,4-Dichlorobenzene	13.26	146	16770	0.550	ug/L	98
65) 1,2-Dichlorobenzene	13.54	146	12204	0.475	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.16	75	764	0.587	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.31	180	10419	0.427	ug/L	98
68) 1,2,4-trichlorobenzene	14.80	180	6255	0.365	ug/L	87
69) Naphthalene	15.01	128	5591	0.250	ug/L #	82
70) 1,2,3-Trichlorobenzene	15.20	180	7378	0.474	ug/L	89

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

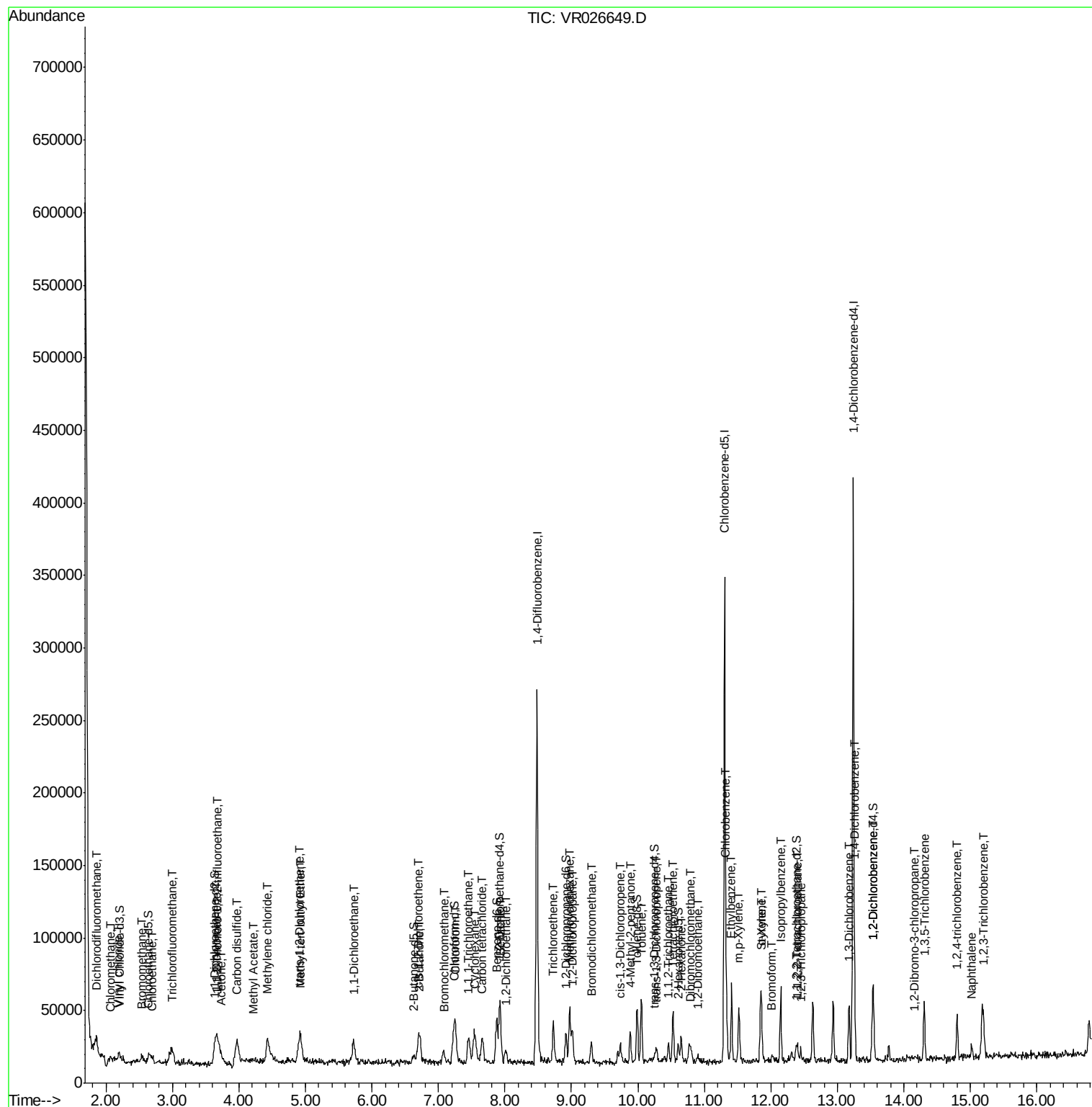
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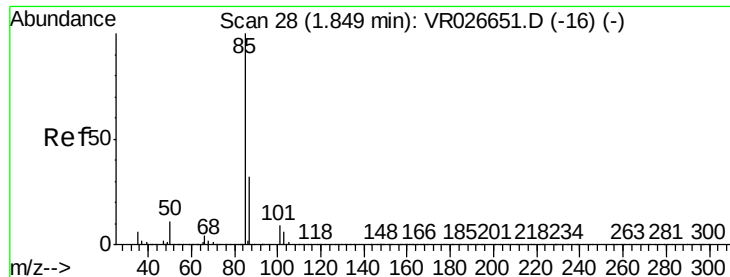
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MSVOA_R
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#2

Dichlorodifluoromethane

Concen: 0.676 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.564

Tot Ion: 85 Resp: 16301

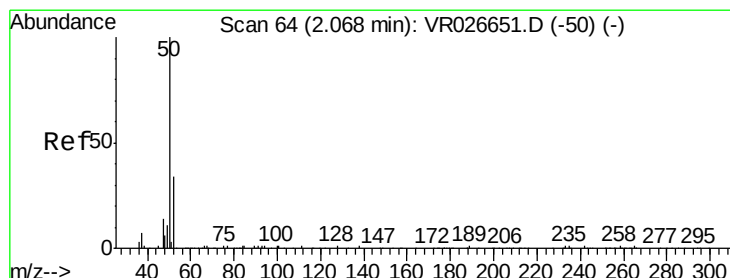
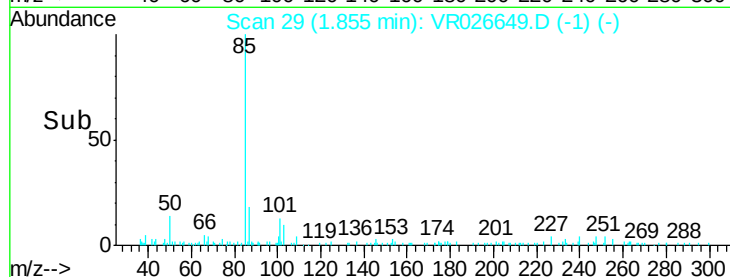
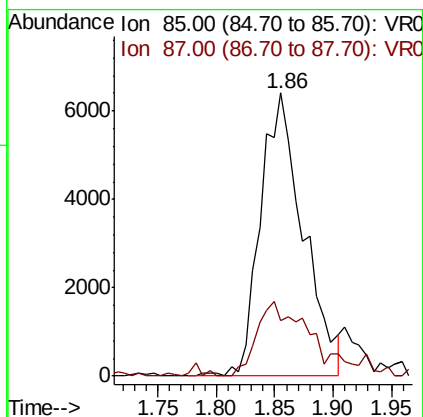
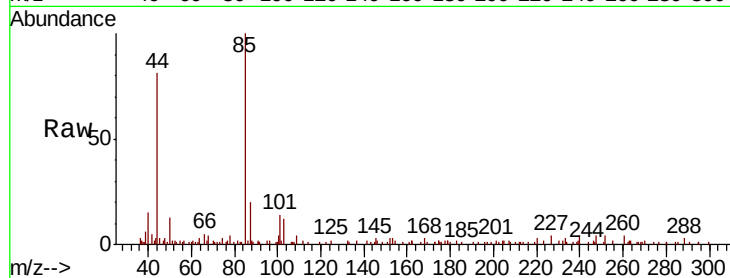
Ion Ratio Lower Upper

85 100

87 32.9 25.4 38.0

Manual Integrations
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#3

Chloromethane

Concen: 0.721 ug/L

RT: 2.07 min Scan# 65

Delta R.T. 0.01 min

Lab File: VR026649.D

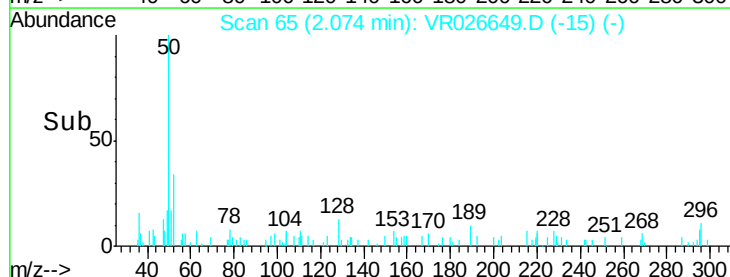
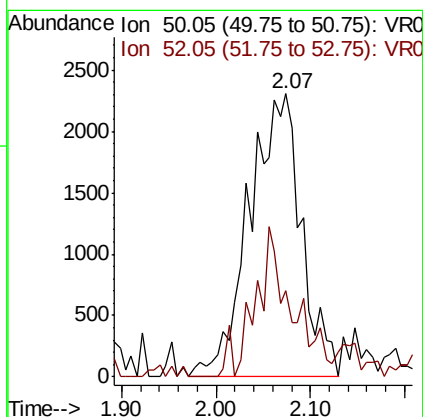
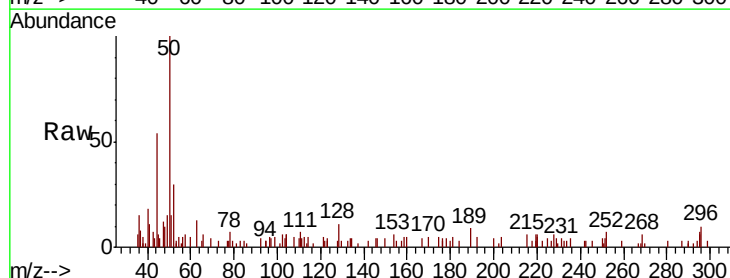
Acq: 10 Oct 2019 14:32

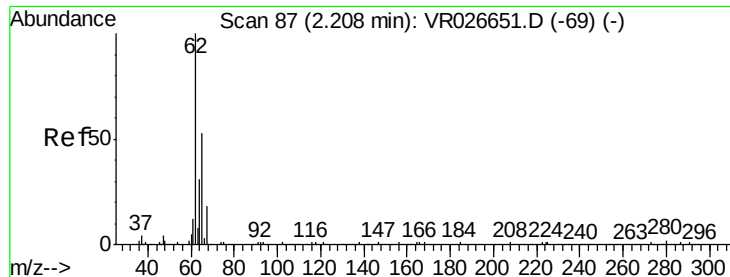
Tgt Ion: 50 Resp: 8866

Ion Ratio Lower Upper

50 100

52 30.5 24.1 44.7





#5

Vinyl chloride

Concen: 0.641 ug/L m

RT: 2.18 min Scan# 83

Delta R.T. -0.02 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

ClientSampled :

VSTD0.564

Tot Ion: 62 Resp: 7854

Ion Ratio Lower Upper

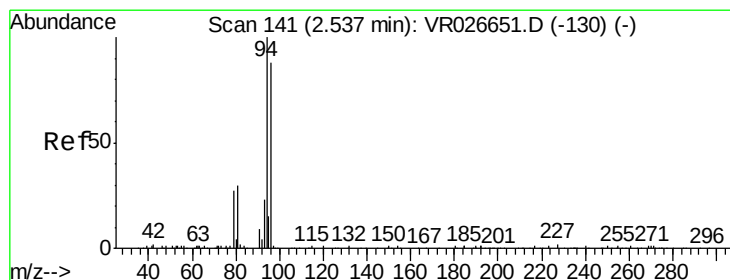
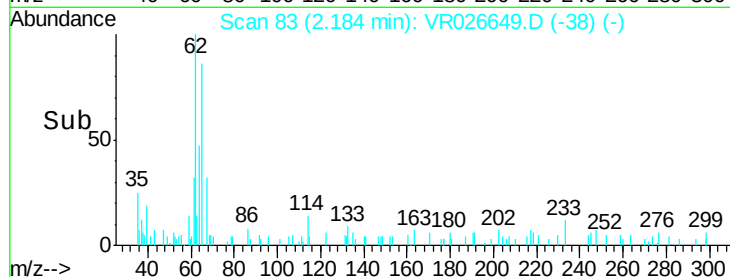
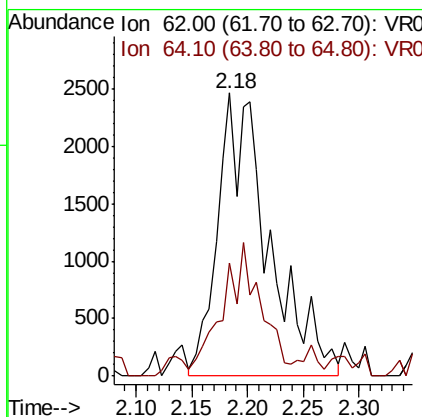
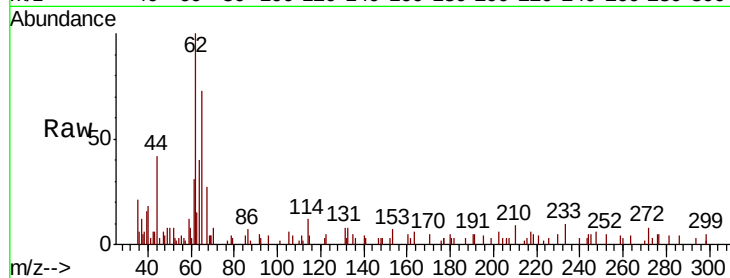
62 100

64 39.9 21.5 39.9#

Manual Integrations
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#6

Bromomethane

Concen: 0.687 ug/L

RT: 2.53 min Scan# 140

Delta R.T. -0.01 min

Lab File: VR026649.D

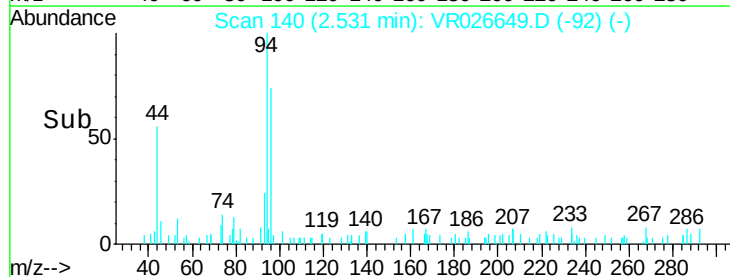
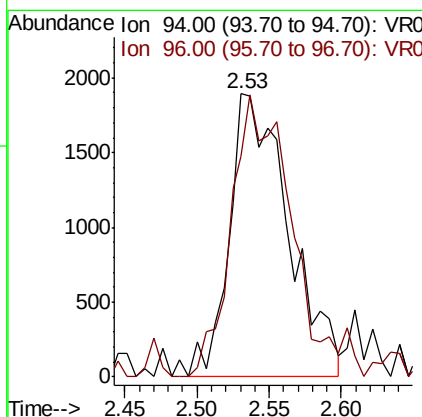
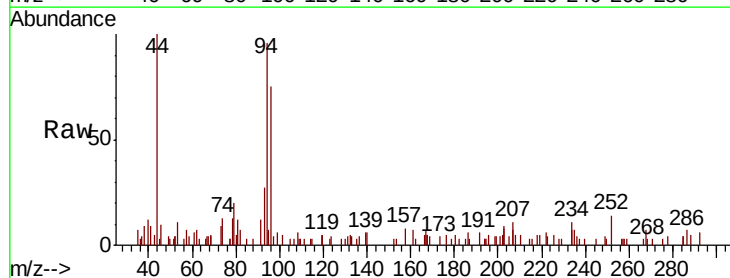
Acq: 10 Oct 2019 14:32

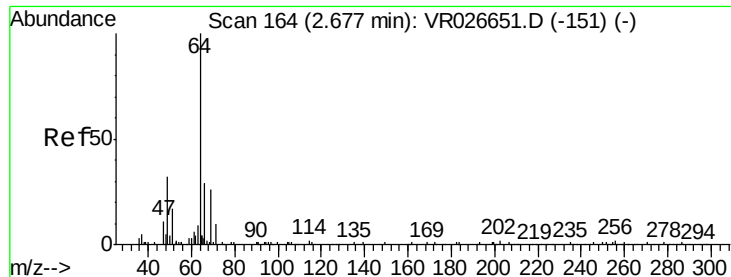
Tgt Ion: 94 Resp: 5417

Ion Ratio Lower Upper

94 100

96 78.1 61.8 114.8





#8

Chloroethane

Concen: 0.653 ug/L

RT: 2.69 min Scan# 166

Delta R.T. 0.01 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.564

Tot Ion: 64 Resp: 4598

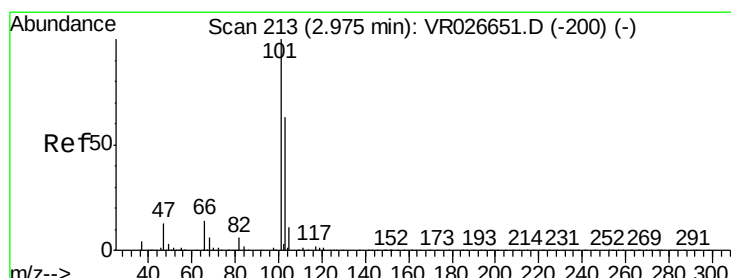
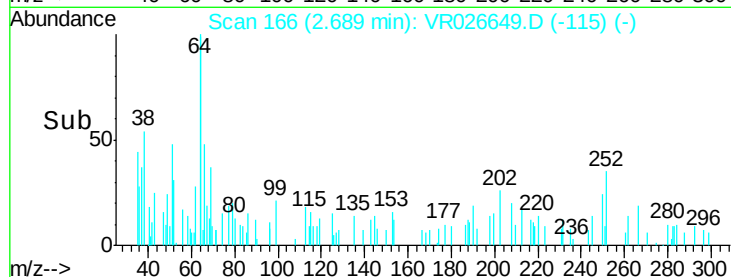
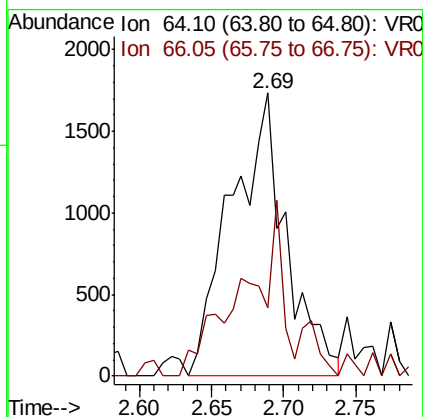
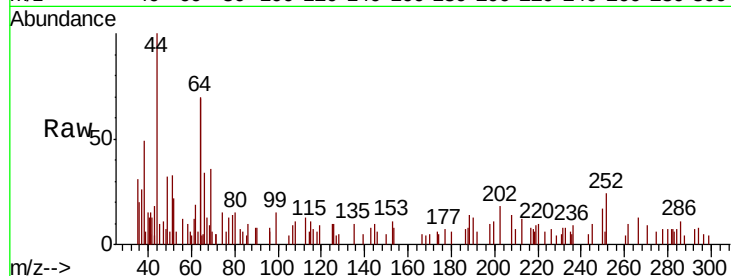
Ion Ratio Lower Upper

64 100

66 23.4 19.7 36.5

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.729 ug/L

RT: 2.99 min Scan# 216

Delta R.T. 0.02 min

Lab File: VR026649.D

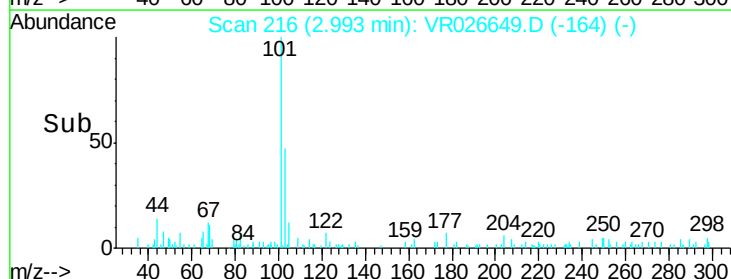
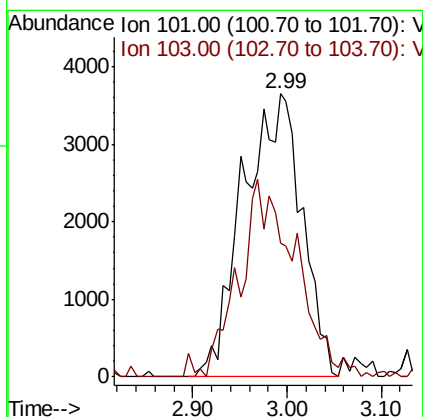
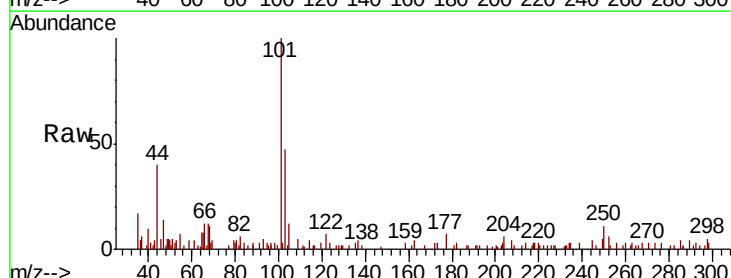
Acq: 10 Oct 2019 14:32

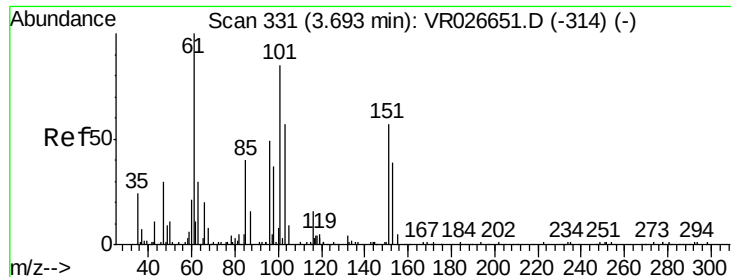
Tgt Ion: 101 Resp: 15881

Ion Ratio Lower Upper

101 100

103 65.0 50.9 76.3





#10

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

Concen: 0.692 ug/L m

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

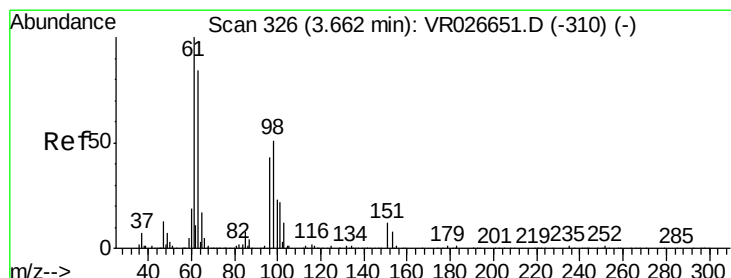
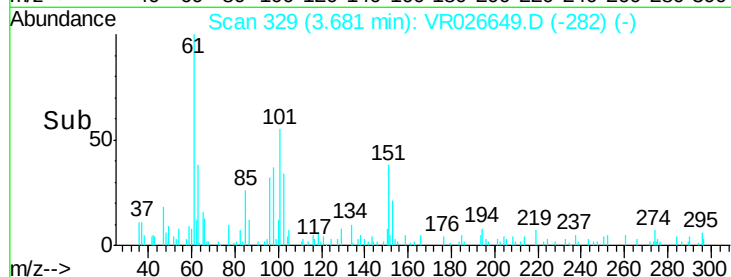
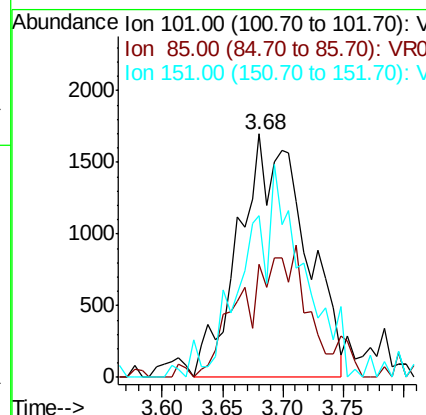
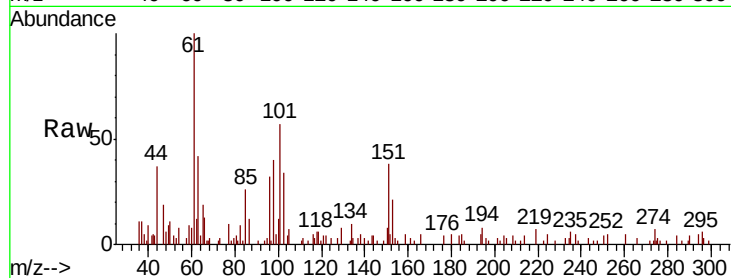
ClientSampleId :

VSTD0.564

Tot Ion:	101	Resp:	6504
Ion Ratio	Lower	Upper	
101	100		
85	15.3	39.8	59.8#
151	30.2	56.5	84.7#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.631 ug/L

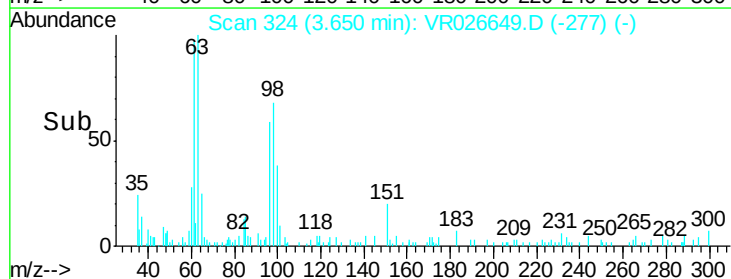
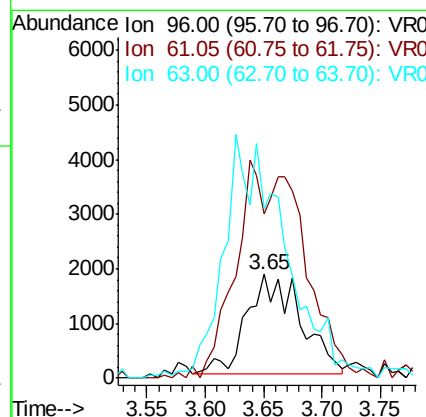
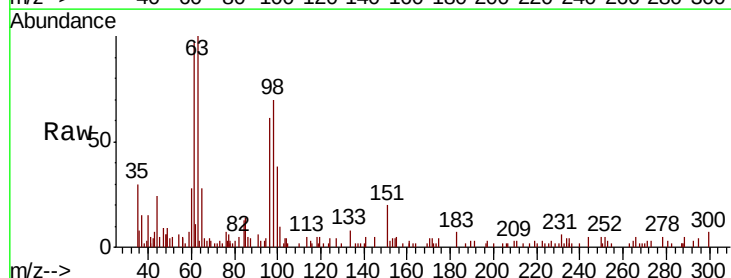
RT: 3.65 min Scan# 324

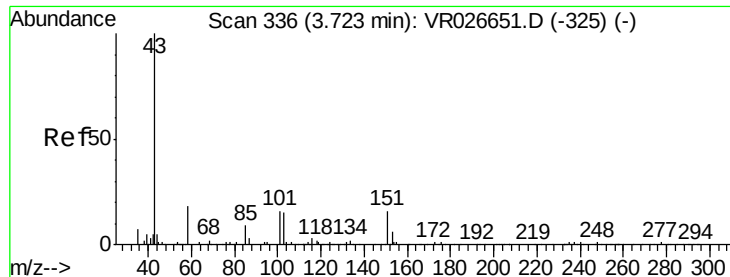
Delta R.T. -0.01 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Tgt Ion:	96	Resp:	5757
Ion Ratio	Lower	Upper	
96	100		
61	158.7	164.2	305.0#
63	163.5	137.6	255.6





#13

Acetone

Concen: 6.779 ug/L

RT: 3.73 min Scan# 337

Delta R.T. 0.01 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.564

Tot Ion: 43 Resp: 6220

Ion Ratio Lower Upper

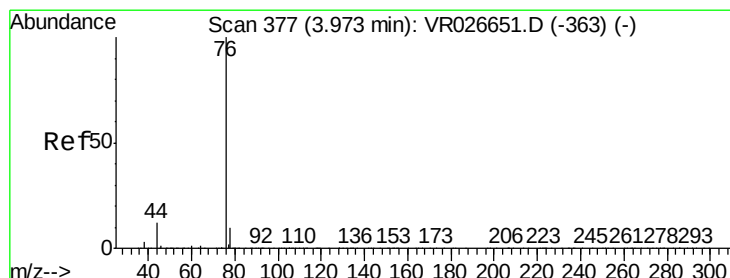
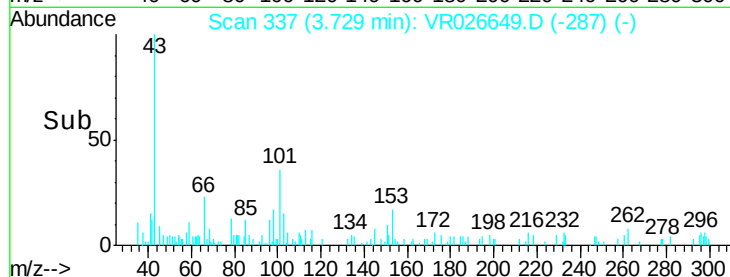
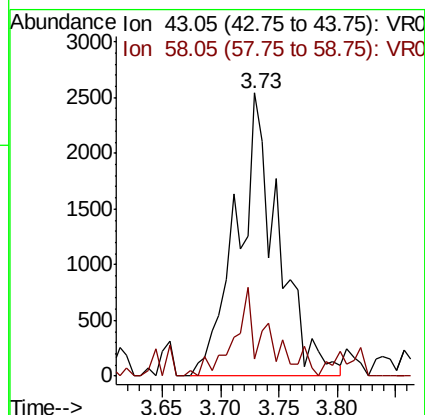
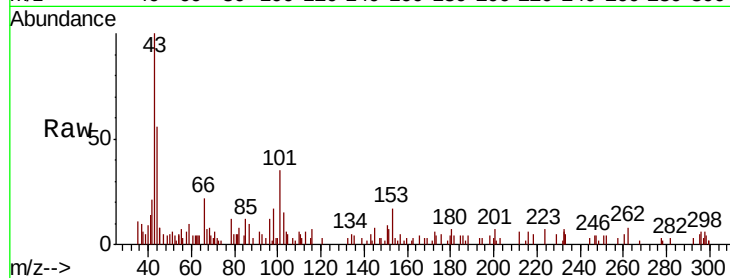
43 100

58 16.1 0.0 39.6

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#14

Carbon disulfide

Concen: 0.853 ug/L

RT: 3.97 min Scan# 376

Delta R.T. -0.01 min

Lab File: VR026649.D

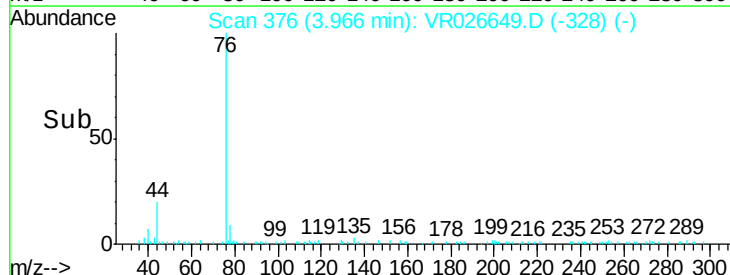
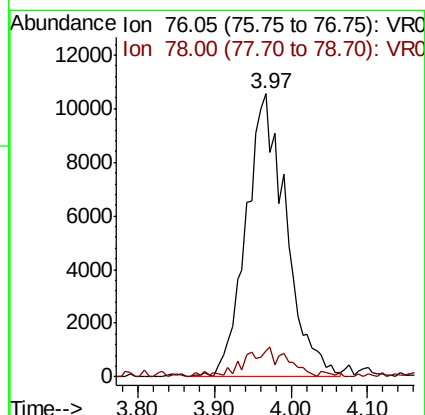
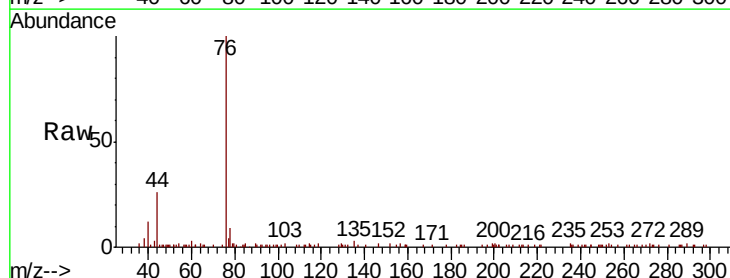
Acq: 10 Oct 2019 14:32

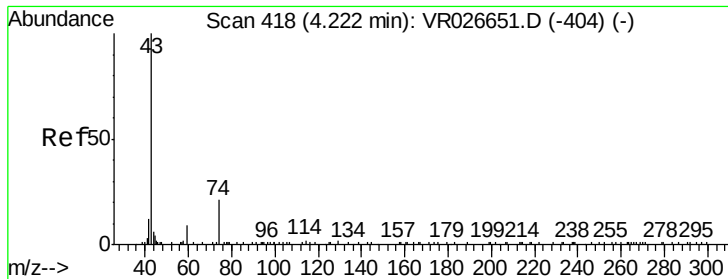
Tgt Ion: 76 Resp: 38242

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5





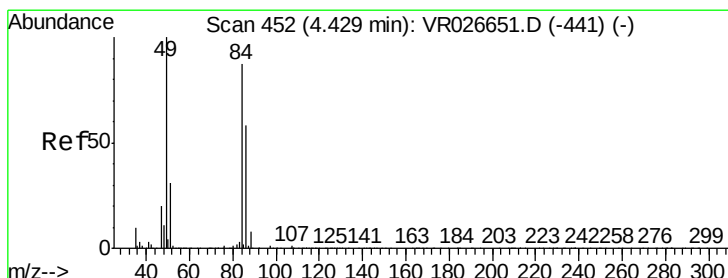
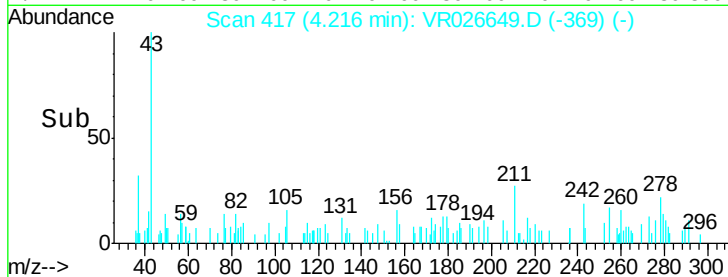
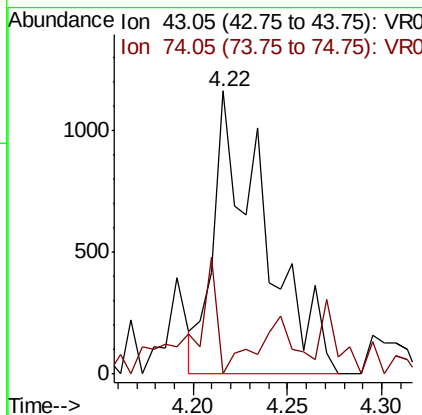
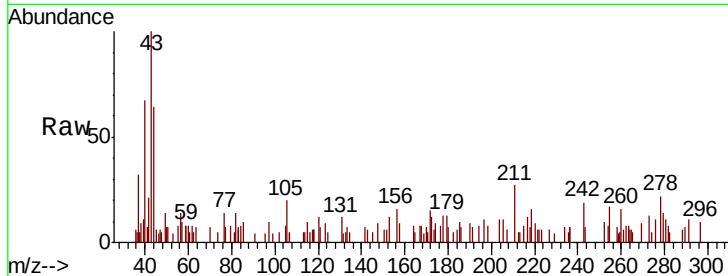
#15
Methyl Acetate
Concen: 0.563 ug/L
RT: 4.22 min Scan# 417
Delta R.T. -0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.564

Tot Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
74 22.0 20.1 30.1

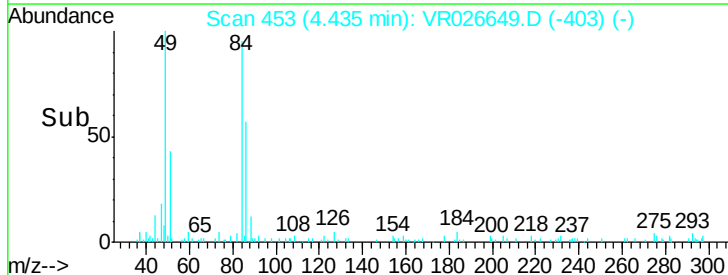
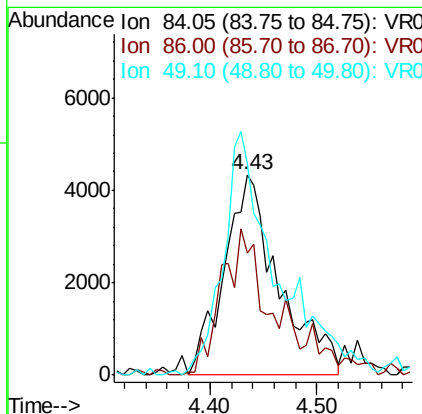
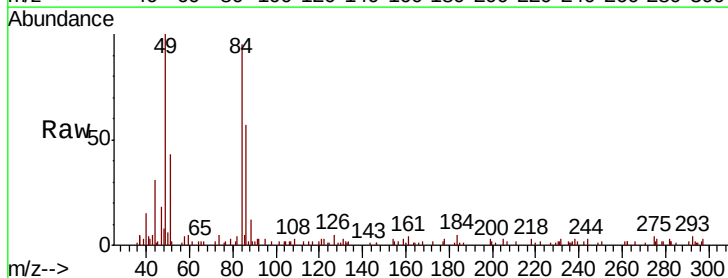
Manual Integrations
APPROVED

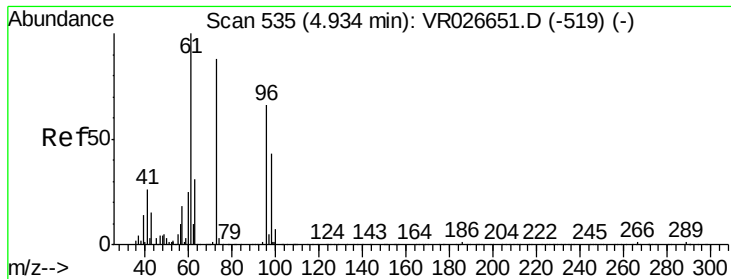
MMDadoda
10/11/2019 3:30:37 PM



#16
Methylene chloride
Concen: 0.816 ug/L m
RT: 4.43 min Scan# 453
Delta R.T. 0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion: 84 Resp: 15533
Ion Ratio Lower Upper
84 100
86 60.6 46.4 86.2
49 105.7 80.8 150.0





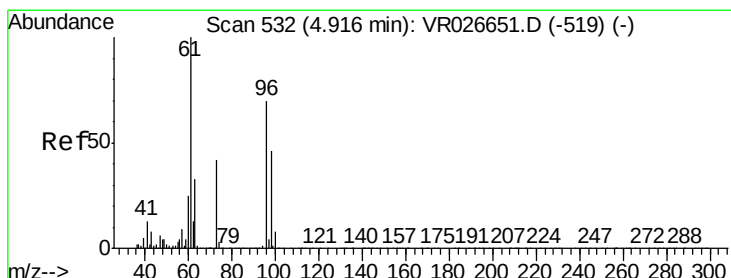
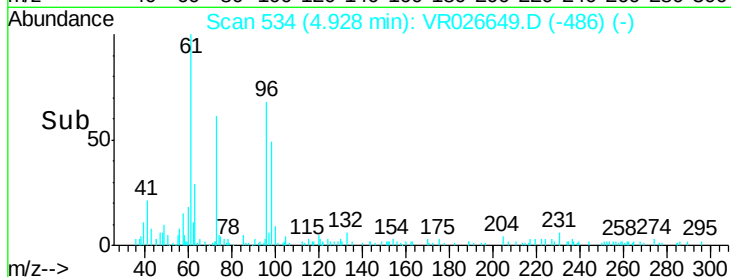
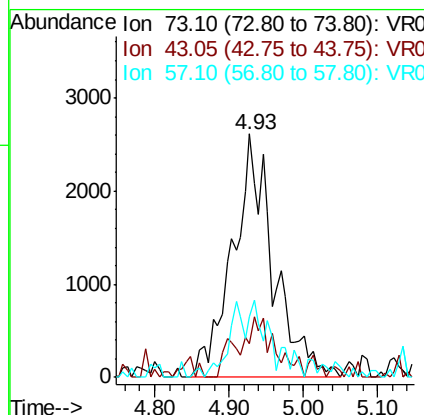
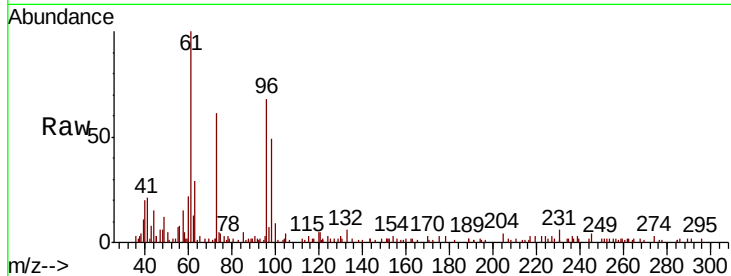
#17
Methyl tert-butyl Ether
Concen: 0.529 ug/L
RT: 4.93 min Scan# 534
Delta R.T. -0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.564

Tot Ion	Ratio	Lower	Upper
73	100		
43	16.6	15.0	22.6
57	11.2	18.5	27.7#

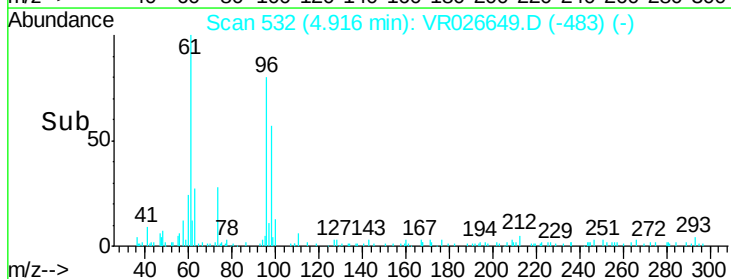
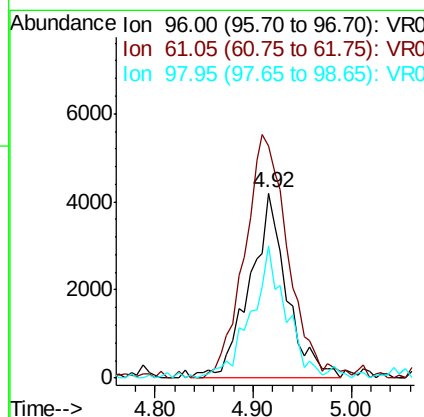
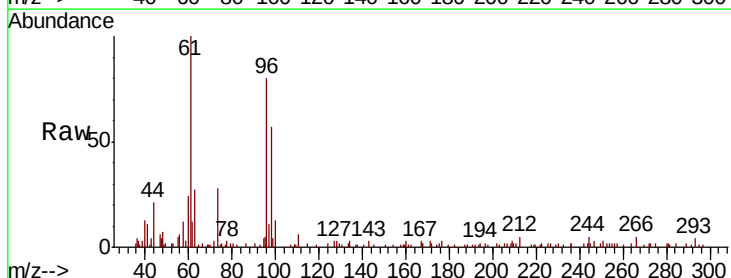
Manual Integrations
APPROVED

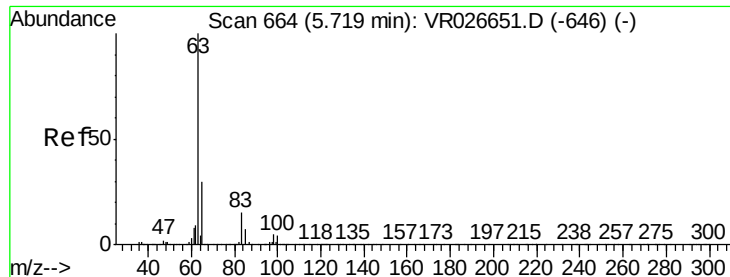
MMDadoda
10/11/2019 3:30:37 PM



#18
trans-1,2-Dichloroethene
Concen: 0.578 ug/L
RT: 4.92 min Scan# 532
Delta R.T. 0.00 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.6	99.8	185.4
98	71.8	45.7	84.9





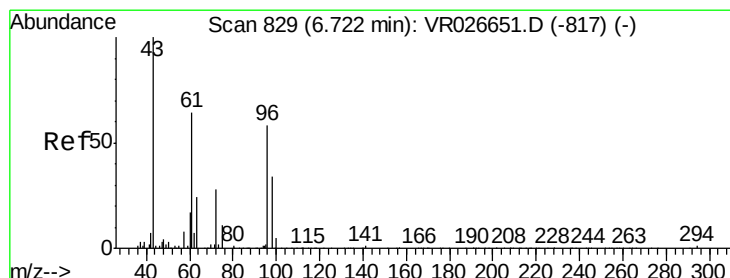
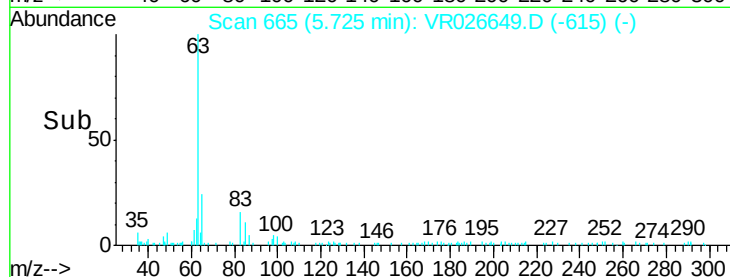
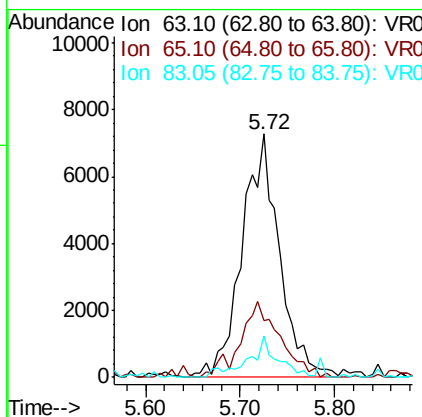
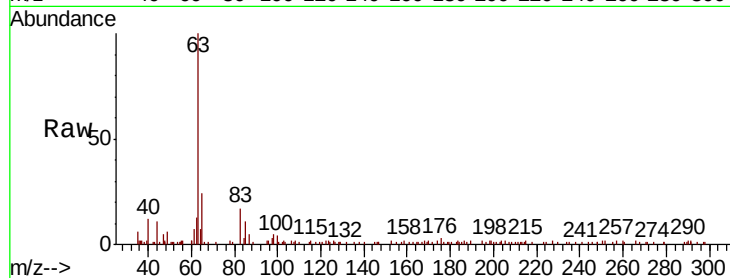
#19
1,1-Dichloroethane
Concen: 0.581 ug/L
RT: 5.72 min Scan# 665
Delta R.T. 0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampled :
VSTD0.564

Tot Ion:	63	Resp:	20162
Ion Ratio		Lower	Upper
63	100		
65	23.6	21.0	39.0
83	16.8	10.6	19.6

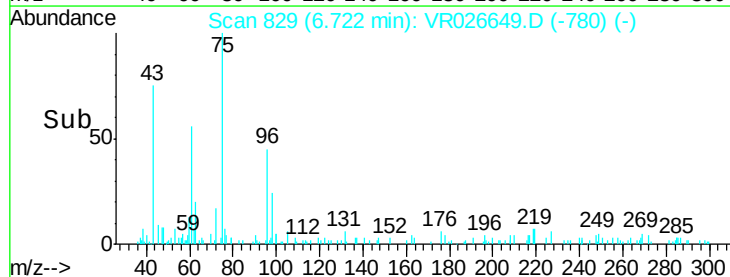
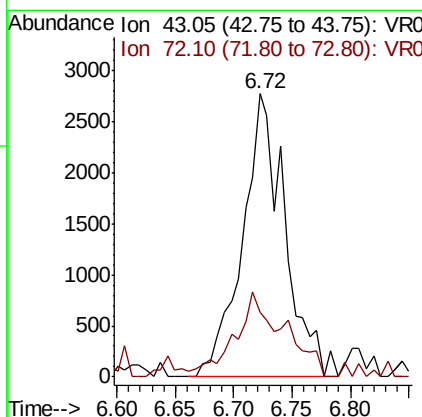
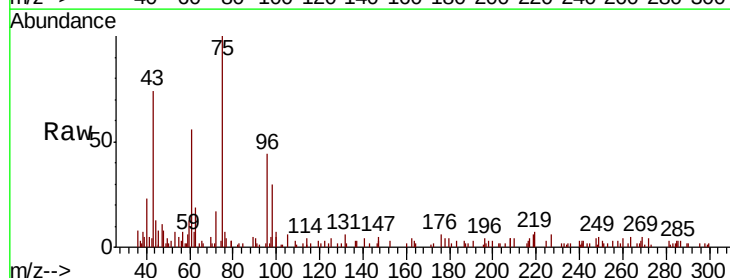
Manual Integrations
APPROVED

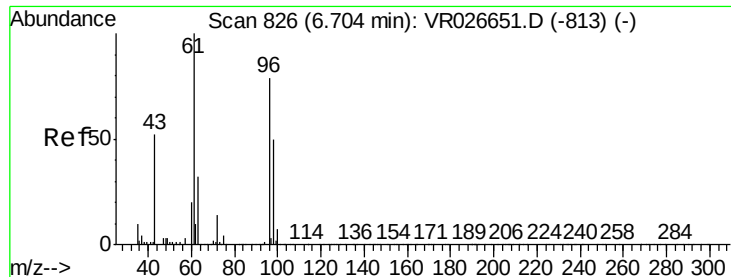
MMDadoda
10/11/2019 3:30:37 PM



#21
2-Butanone
Concen: 4.295 ug/L
RT: 6.72 min Scan# 829
Delta R.T. 0.00 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion:	43	Resp:	7015
Ion Ratio		Lower	Upper
43	100		
72	34.6	14.4	43.2





#22

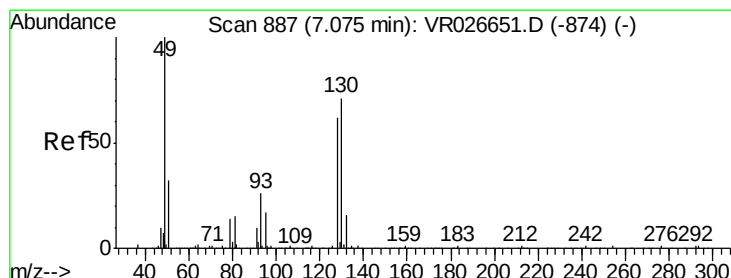
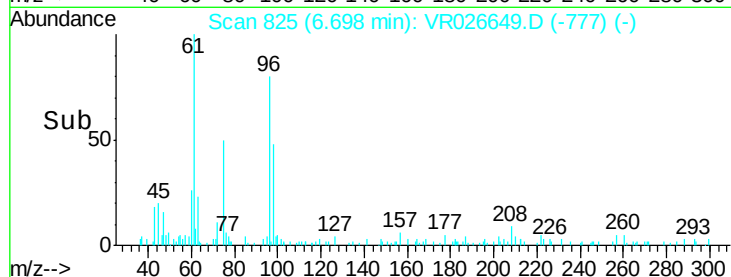
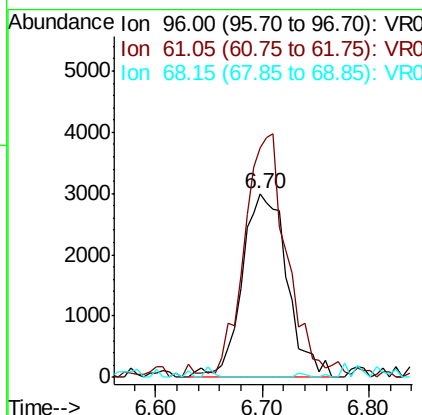
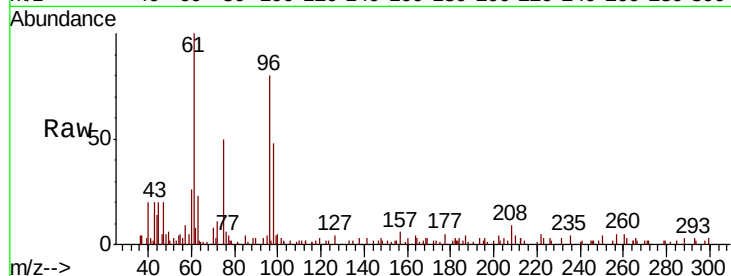
cis-1,2-Dichloroethene
Concen: 0.494 ug/L
RT: 6.70 min Scan# 825
Delta R.T. -0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampled :
VSTD0.564

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.4	88.8	164.8
68	0.0	0.0	0.0

Manual Integrations
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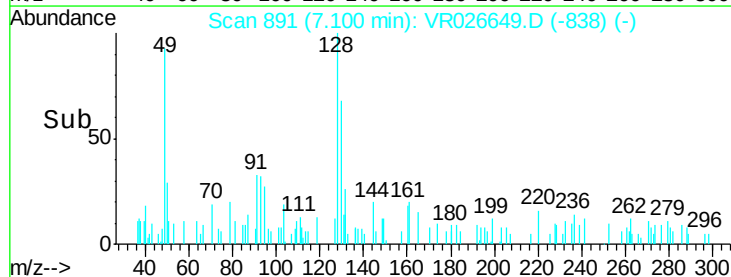
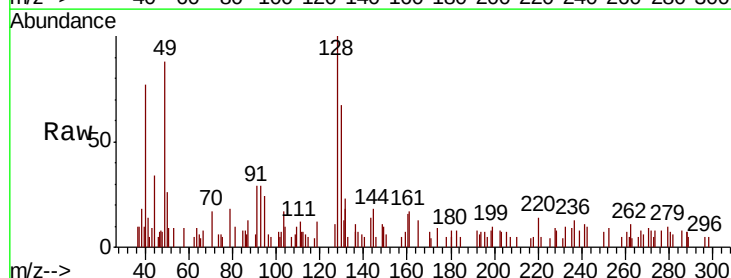
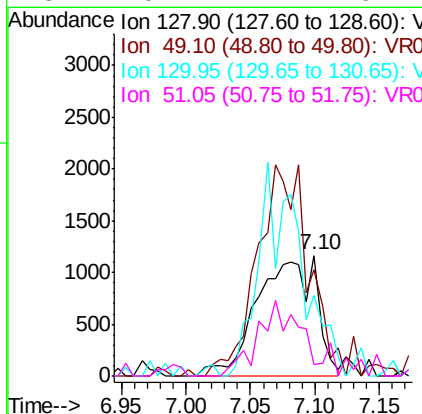
MMDadoda
10/11/2019 3:30:37 PM

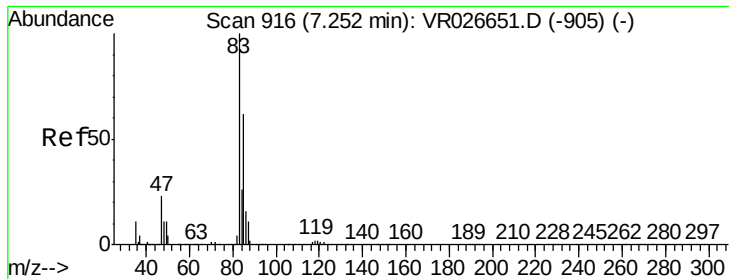


#23

Bromochloromethane
Concen: 0.710 ug/L
RT: 7.10 min Scan# 891
Delta R.T. 0.02 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
128	100		
49	88.3	116.1	215.7#
130	66.8	80.3	149.1#
51	9.4	41.4	62.2#





#25

Chloroform

Concen: 0.682 ug/L

RT: 7.25 min Scan# 916

Delta R.T. 0.00 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.564

Tot Ion: 83 Resp: 23024

Ion Ratio Lower Upper

83 100

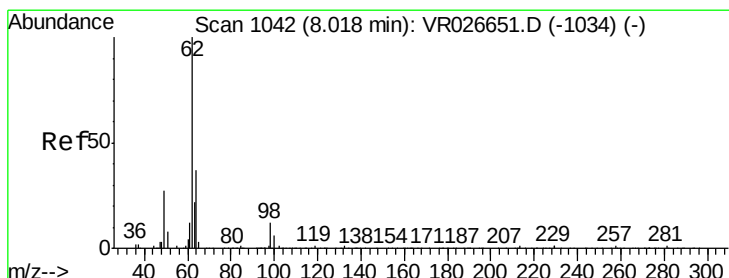
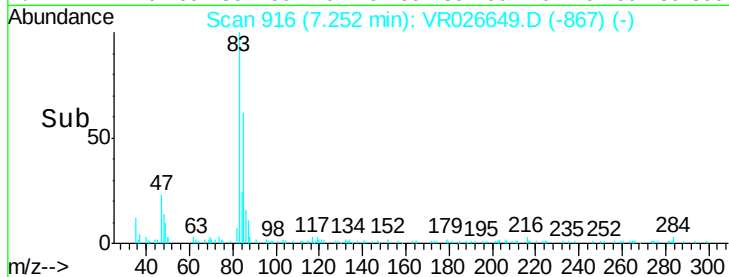
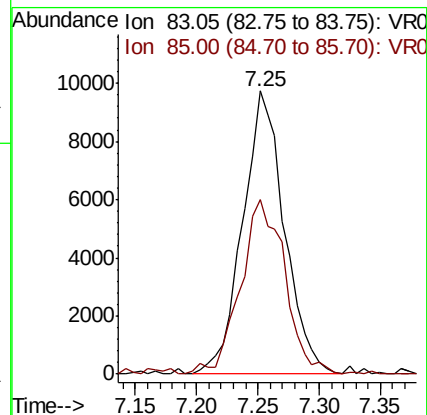
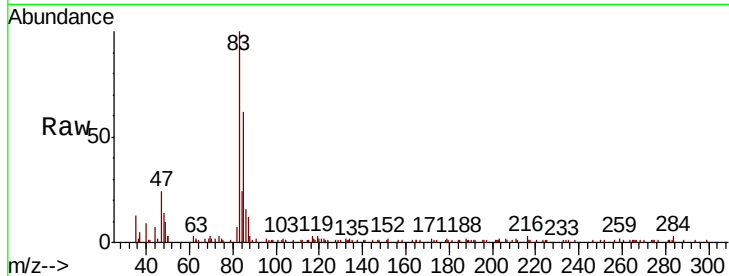
85 61.6 43.3 80.5

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 0.684 ug/L

RT: 8.01 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VR026649.D

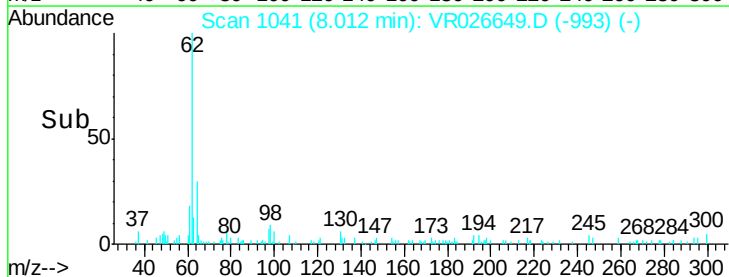
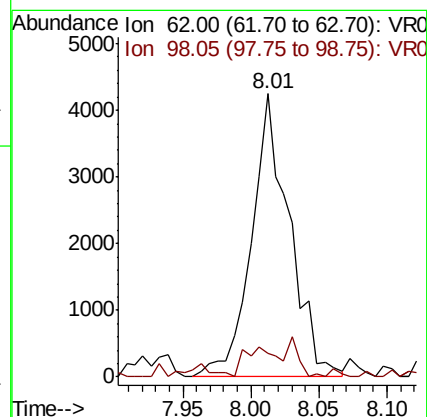
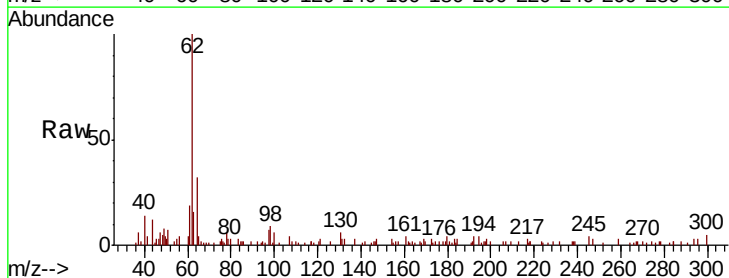
Acq: 10 Oct 2019 14:32

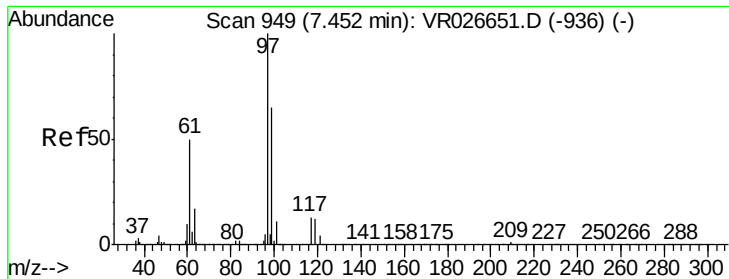
Tgt Ion: 62 Resp: 8254

Ion Ratio Lower Upper

62 100

98 8.5 9.6 14.4#





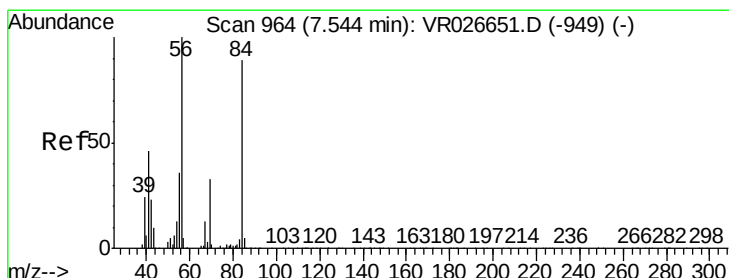
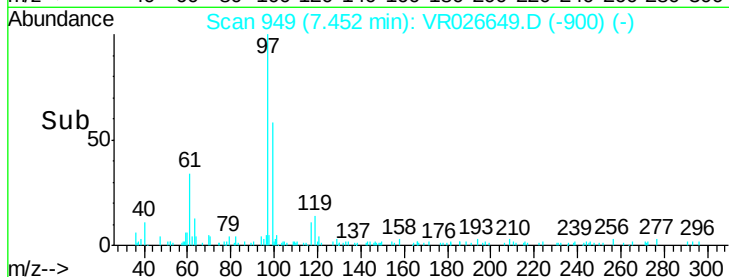
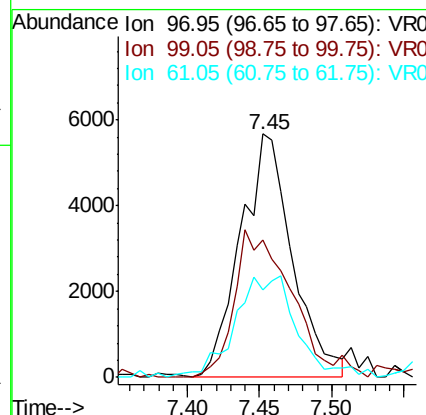
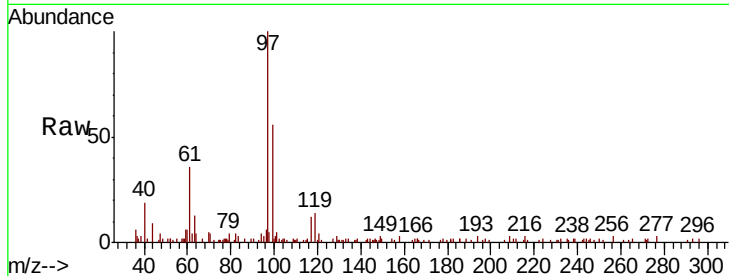
#29
 1,1,1-Trichloroethane
 Concen: 0.525 ug/L
 RT: 7.45 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.564

Tot Ion:	97	Resp:	14164
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.8	79.2
61	49.8	38.8	58.2

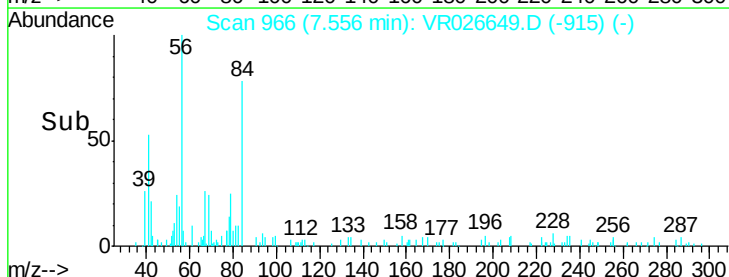
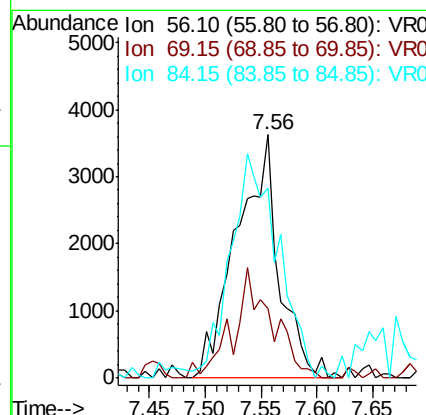
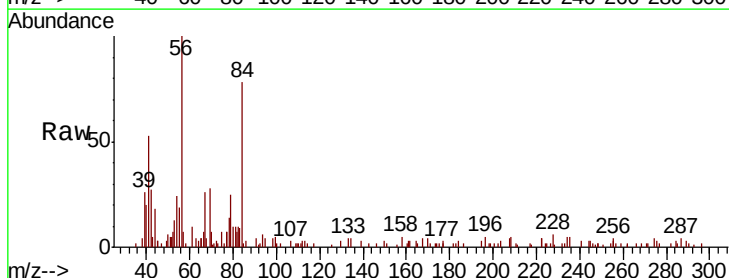
Manual Integrations
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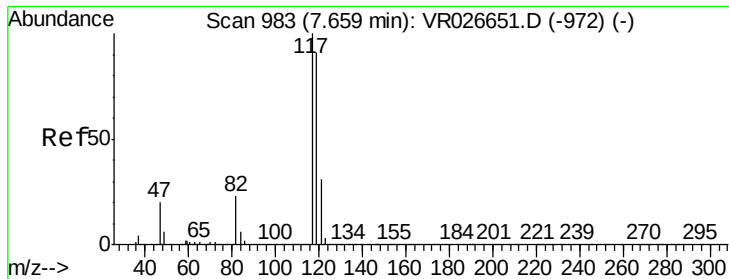
MMDadoda
 10/11/2019 3:30:37 PM



#30
 Cyclohexane
 Concen: 0.325 ug/L
 RT: 7.56 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Tgt Ion:	56	Resp:	9560
Ion	Ratio	Lower	Upper
56	100		
69	41.5	25.9	38.9#
84	104.0	66.2	99.4#





#31

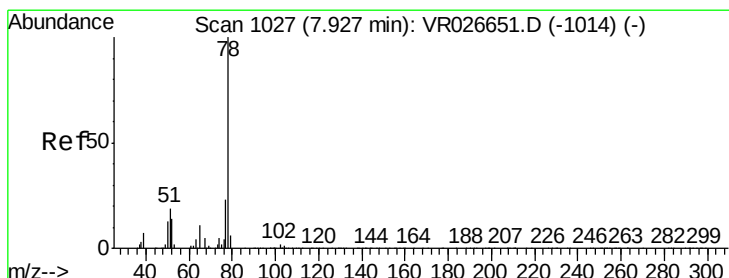
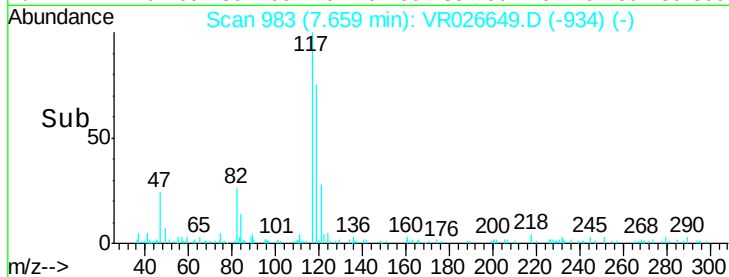
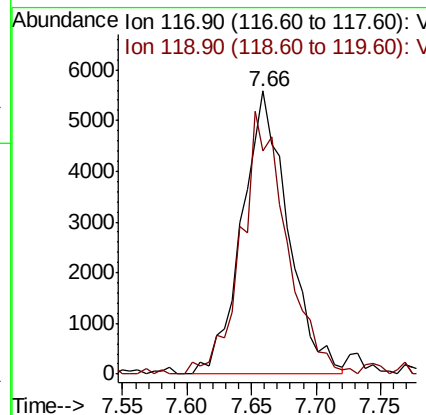
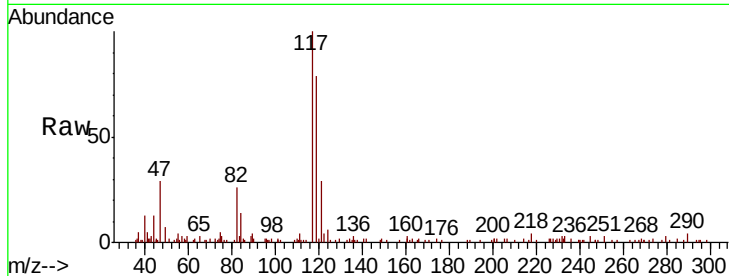
Carbon tetrachloride
Concen: 0.590 ug/L
RT: 7.66 min Scan# 983
Delta R.T. 0.00 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.564

Tot Ion:117 Resp: 13803
Ion Ratio Lower Upper
117 100
119 90.8 76.6 114.8

Manual Integrations
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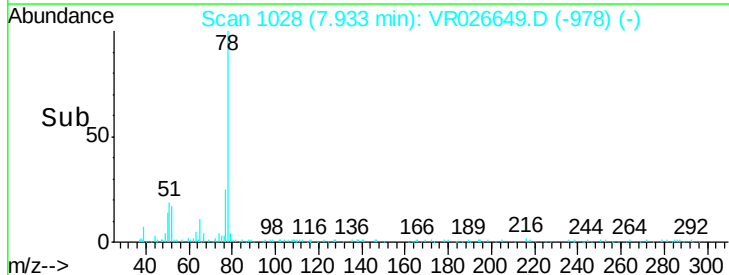
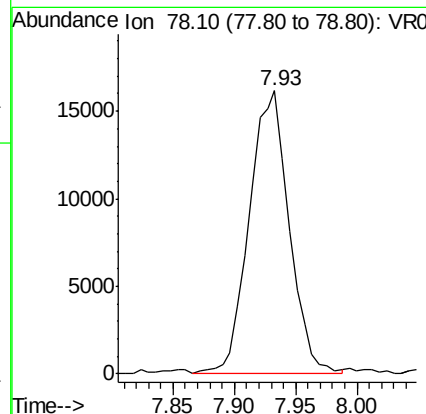
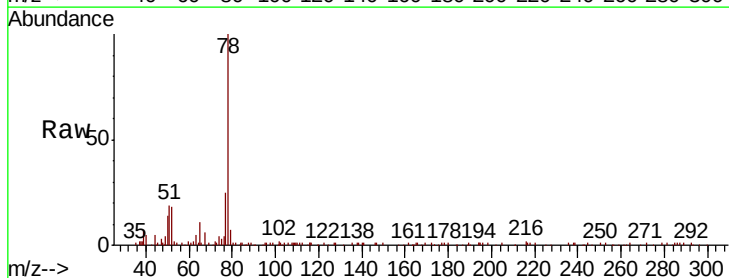
MMDadoda
10/11/2019 3:30:37 PM

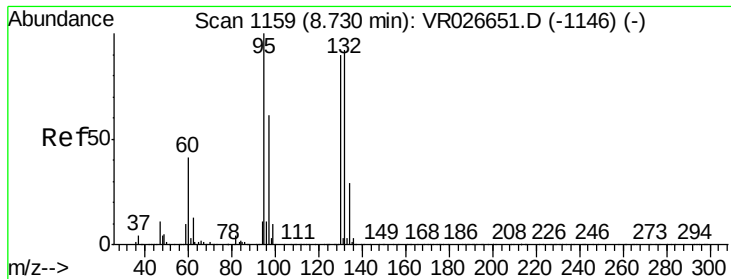


#33

Benzene
Concen: 0.483 ug/L
RT: 7.93 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion: 78 Resp: 36618





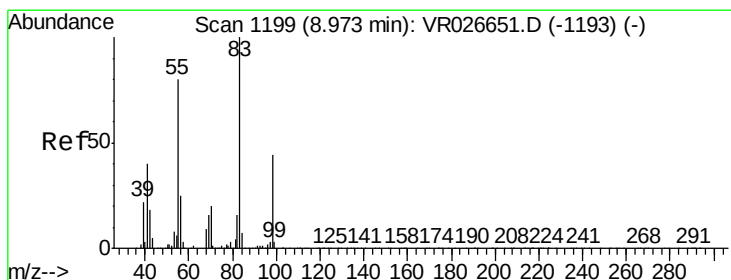
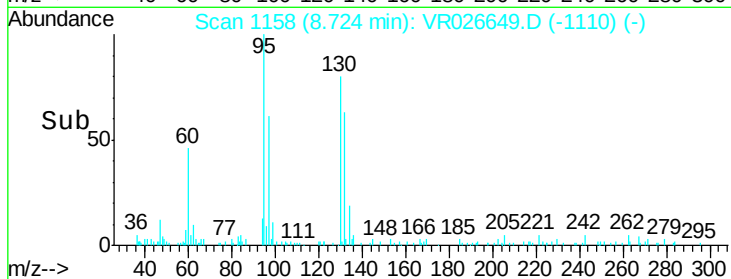
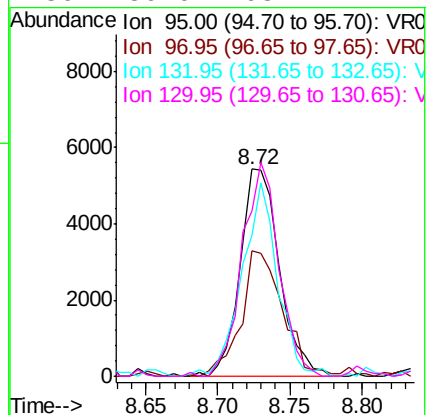
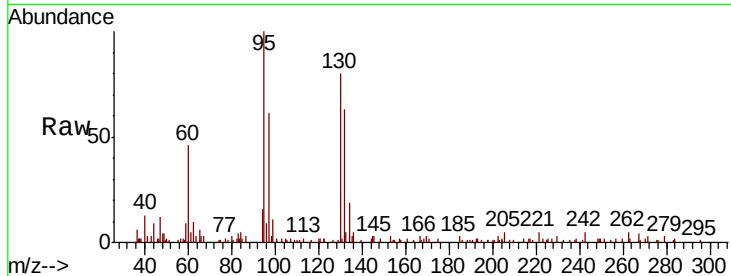
#34
 Trichloroethene
 Concen: 0.546 ug/L
 RT: 8.72 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.564

Tot Ion	Ratio	Resp	Lower	Upper
95	100			
97	60.7	43.0	79.8	
132	67.8	64.6	120.0	
130	80.0	63.2	117.4	

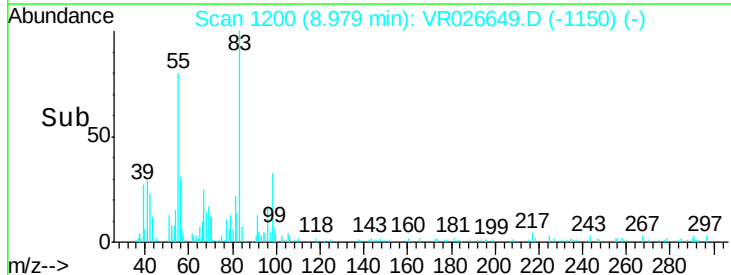
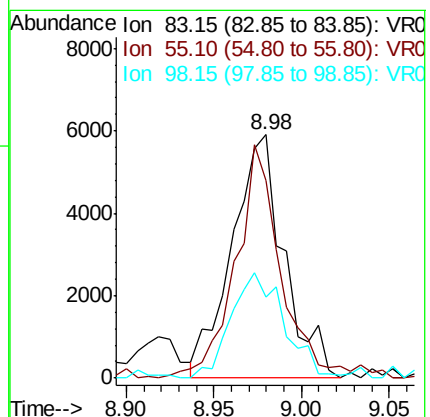
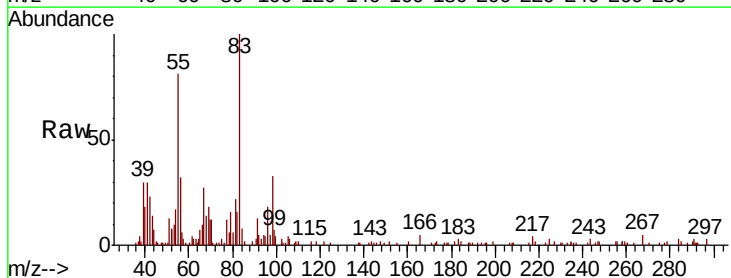
Manual Integrations
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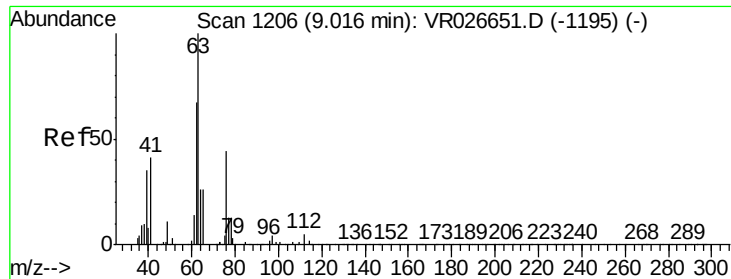
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#35
 Methylcyclohexane
 Concen: 0.423 ug/L
 RT: 8.98 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.7	61.3	91.9	
98	44.4	34.3	51.5	





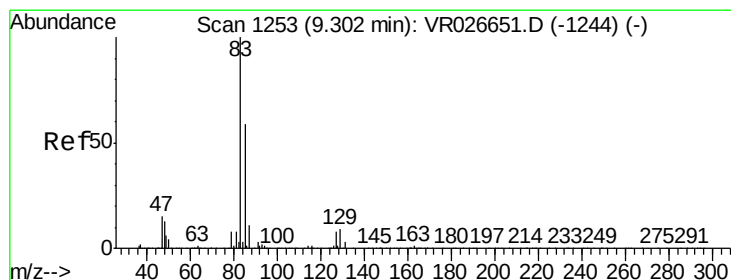
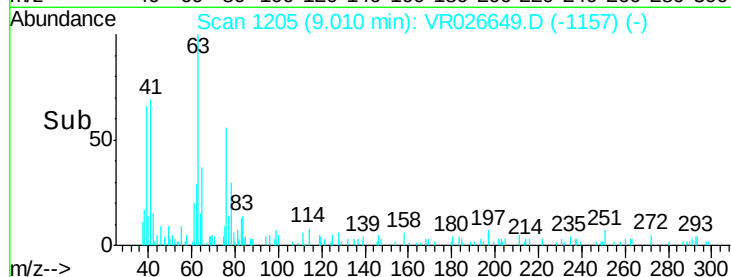
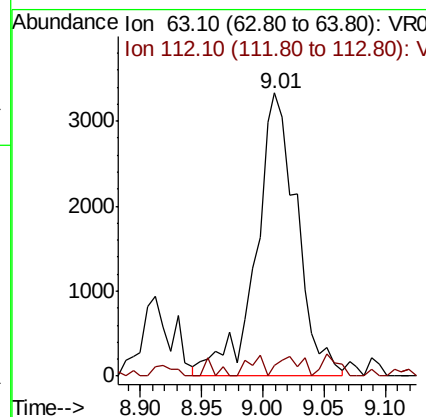
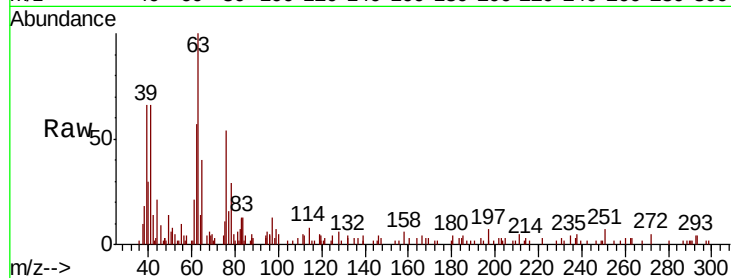
#37
 1,2-Dichloropropane
 Concen: 0.513 ug/L
 RT: 9.01 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.564

Tot Ion	Ratio	Lower	Upper
63	100		
112	4.1	3.6	5.4

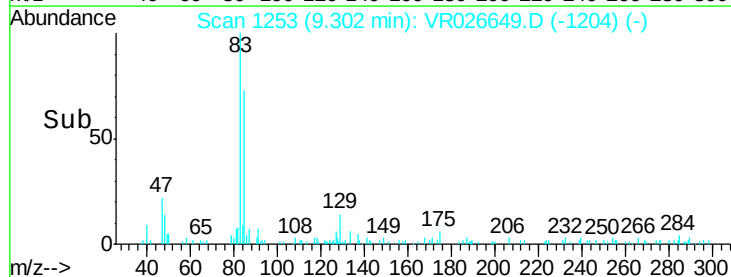
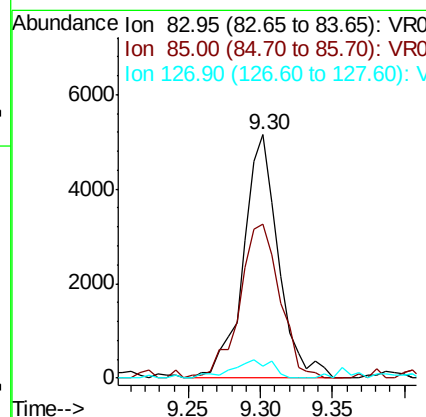
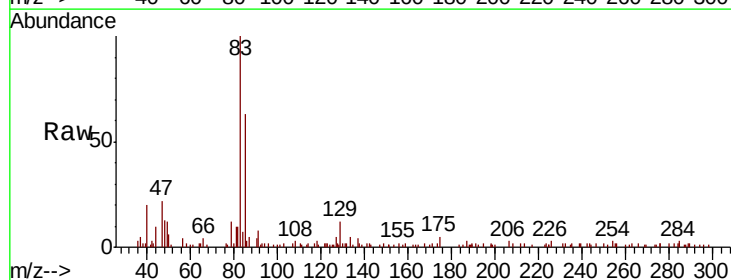
Manual Integrations
 APPROVED

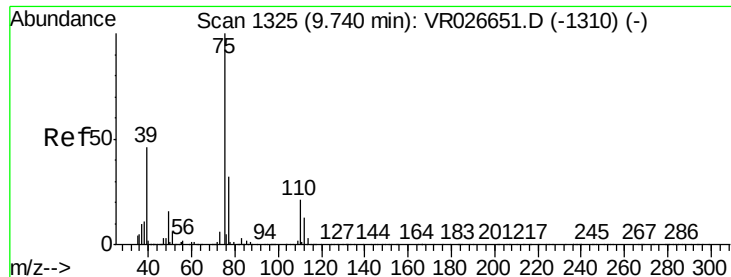
MMDadoda
 10/11/2019 3:30:37 PM



#38
 Bromodichloromethane
 Concen: 0.530 ug/L
 RT: 9.30 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	41.3	76.7
127	7.0	6.8	10.2





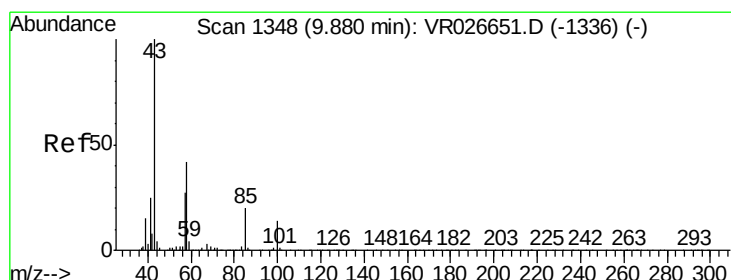
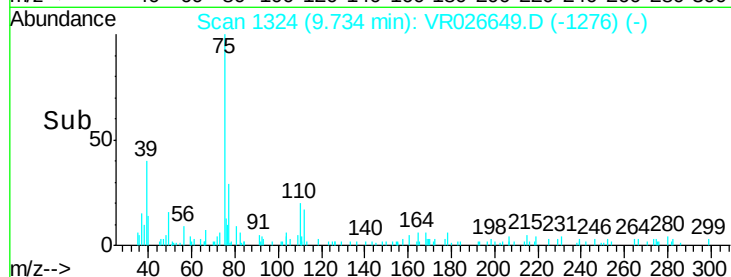
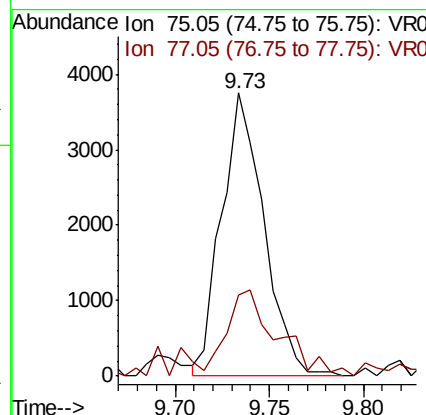
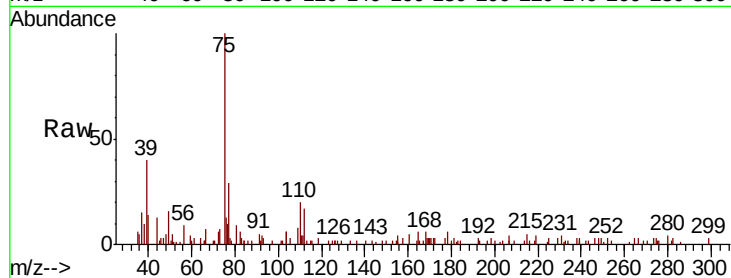
#39
 cis-1,3-Dichloropropene
 Concen: 0.365 ug/L
 RT: 9.73 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.564

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.7	22.0	41.0

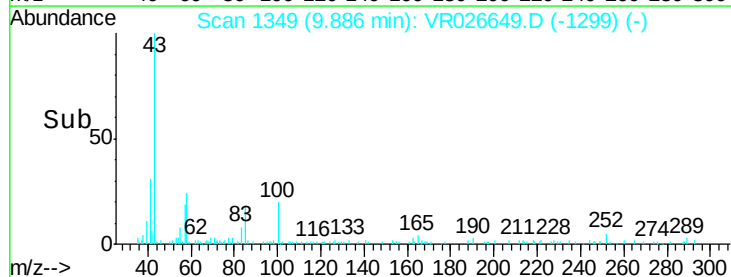
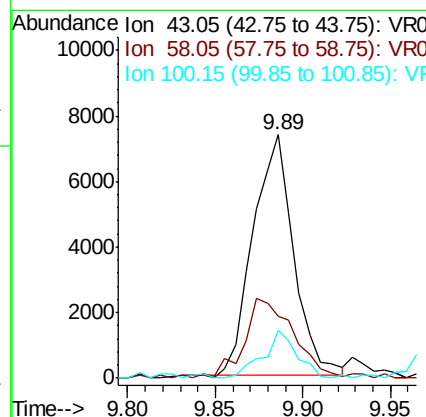
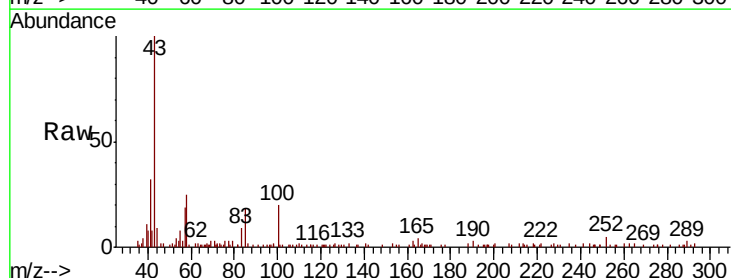
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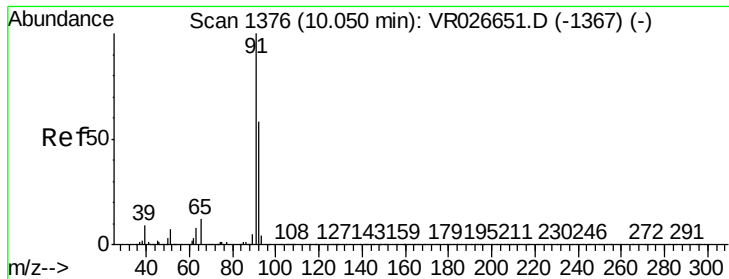
MMDadoda
 10/11/2019 3:30:37 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.227 ug/L
 RT: 9.89 min Scan# 1349
 Delta R.T. 0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.4	48.6
100	16.4	12.9	19.3





#42

Toluene

Concen: 0.419 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.564

Tot Ion: 91 Resp: 27911

Ion Ratio Lower Upper

91 100

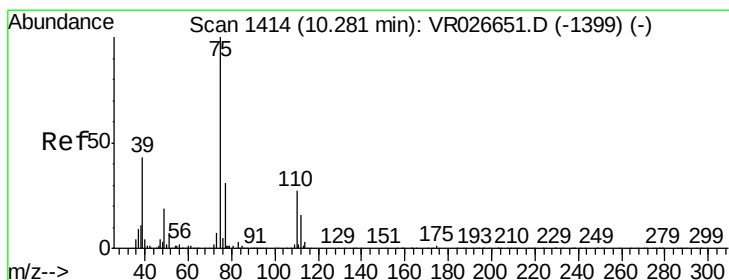
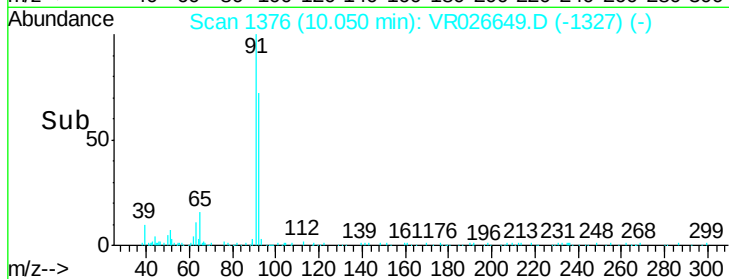
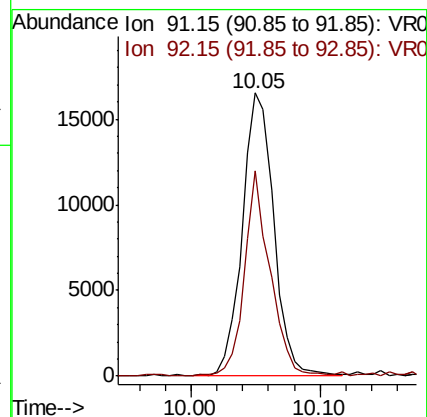
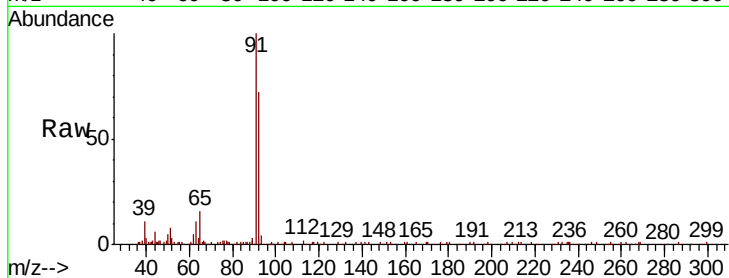
92 72.3 40.7 75.7

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 0.465 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VR026649.D

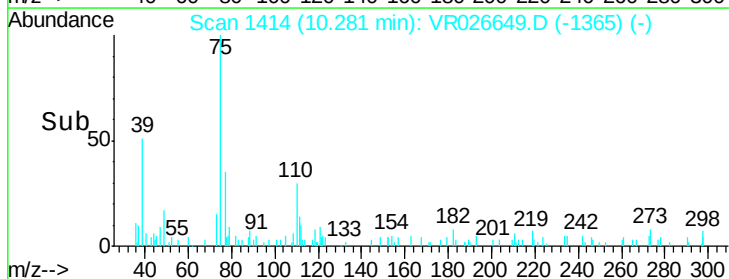
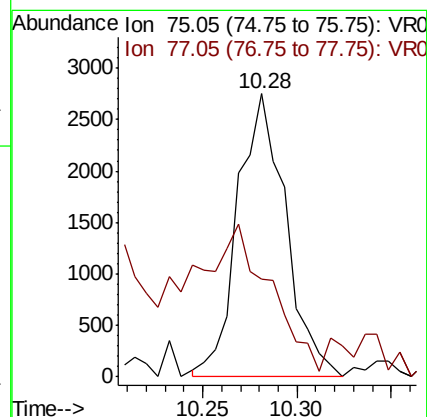
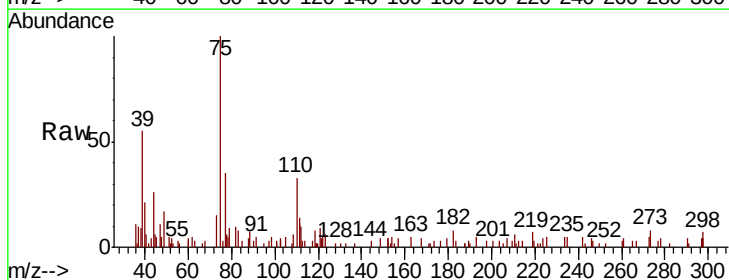
Acq: 10 Oct 2019 14:32

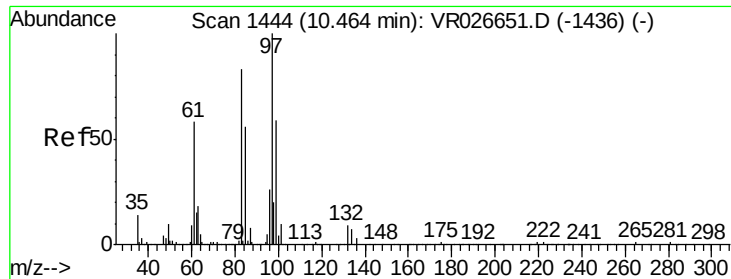
Tgt Ion: 75 Resp: 4852

Ion Ratio Lower Upper

75 100

77 34.5 24.2 45.0





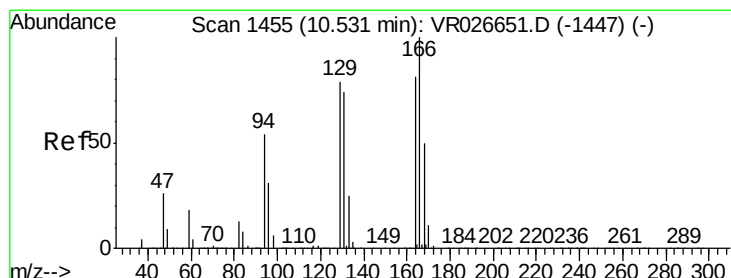
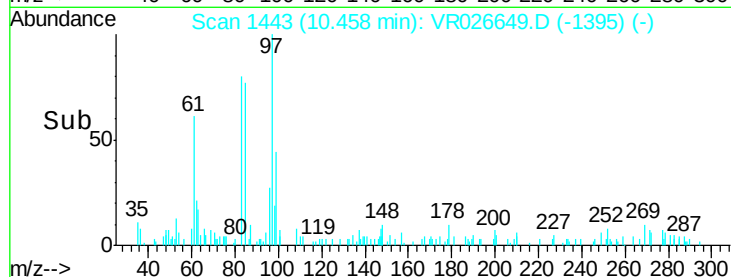
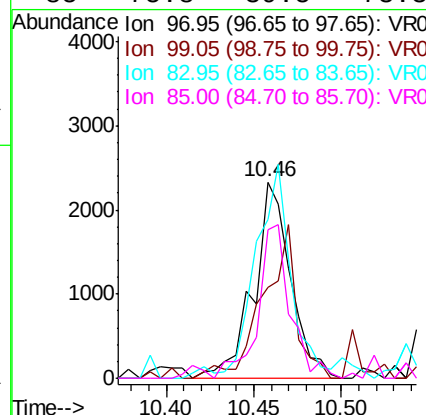
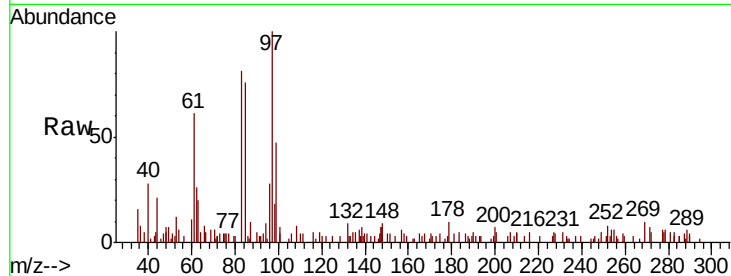
#45
 1,1,2-Trichloroethane
 Concen: 0.533 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.564

Tot Ion	97	Resp:	3475
Ion Ratio	Lower	Upper	
97	100		
99	46.6	41.3	76.7
83	80.8	58.2	108.2
85	75.8	39.5	73.3#

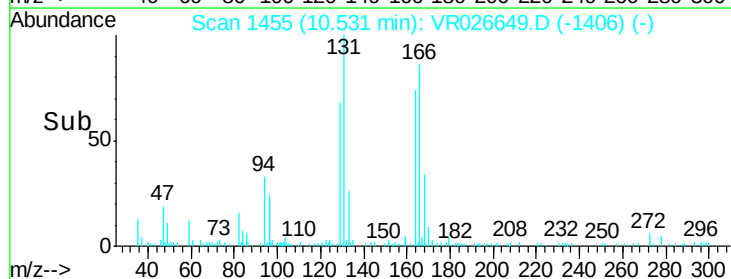
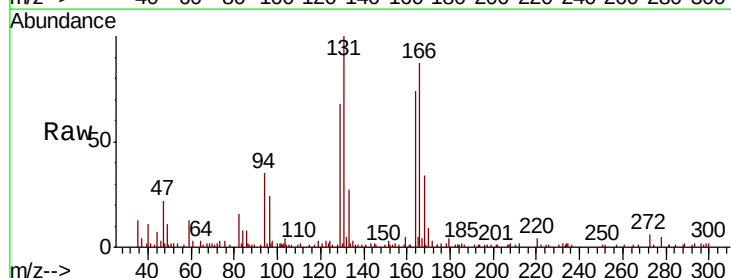
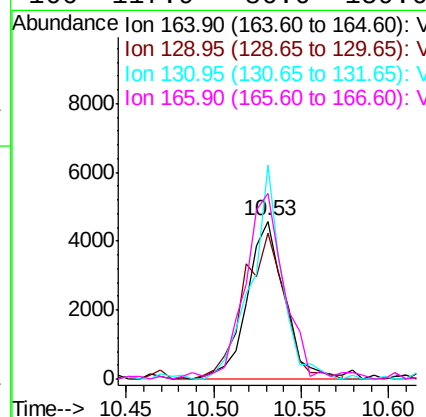
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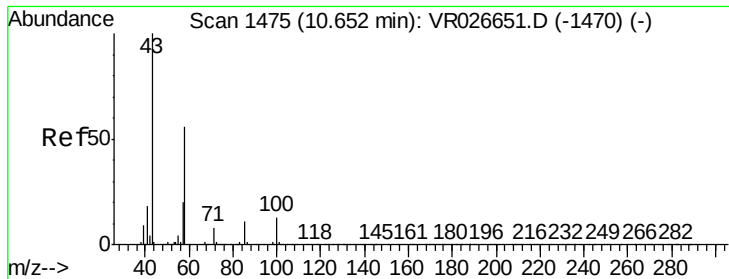
MMDadoda
 10/11/2019 3:30:37 PM



#47
 Tetrachloroethene
 Concen: 0.596 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Tgt Ion	164	Resp:	6798
Ion Ratio	Lower	Upper	
164	100		
129	92.6	68.2	126.6
131	135.3	63.2	117.4#
166	117.9	86.0	159.6





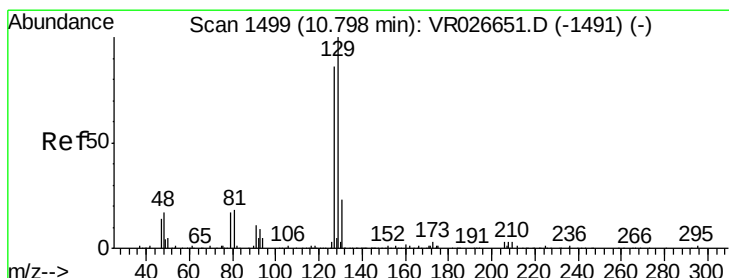
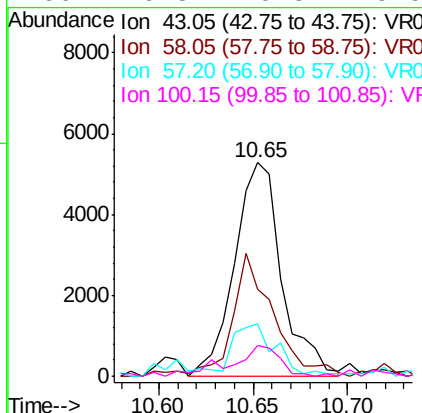
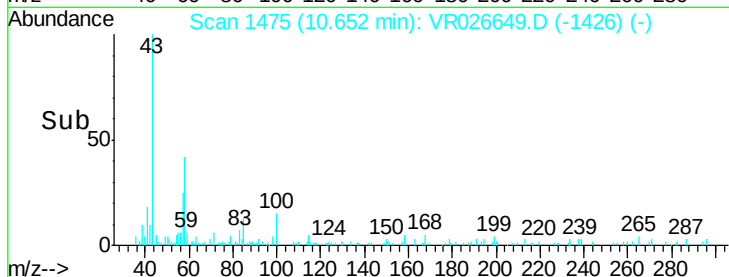
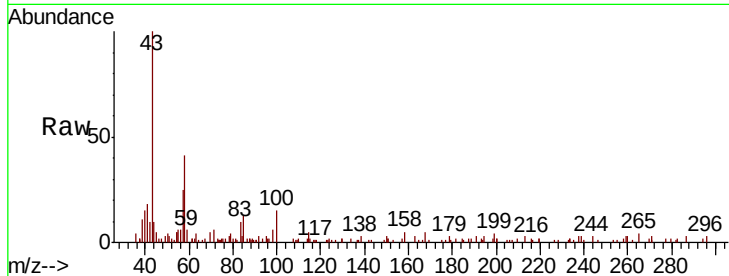
#48
2-Hexanone
Concen: 3.892 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.564

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	47.0	70.4
57	21.4	16.8	25.2
100	10.8	10.3	15.5

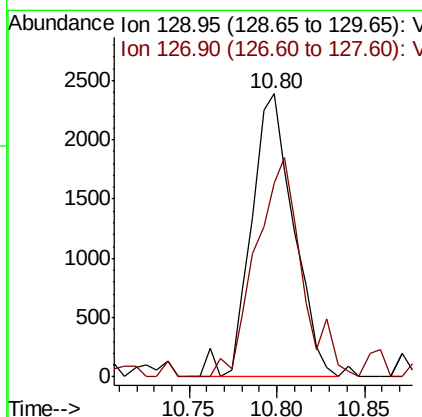
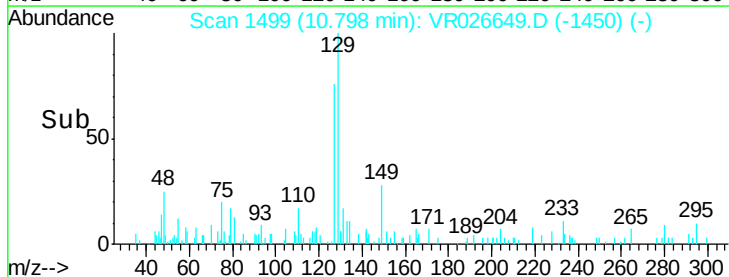
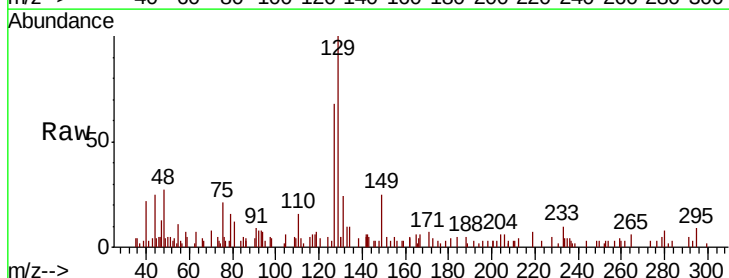
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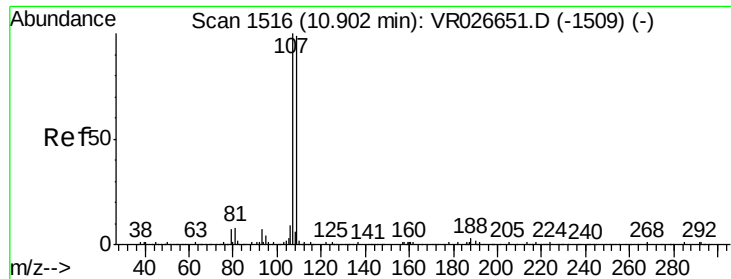
MMDadoda
10/11/2019 3:30:37 PM



#49
Dibromochloromethane
Concen: 0.569 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	68.3	60.2	111.8





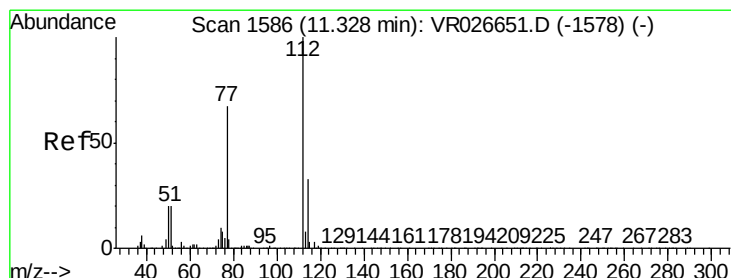
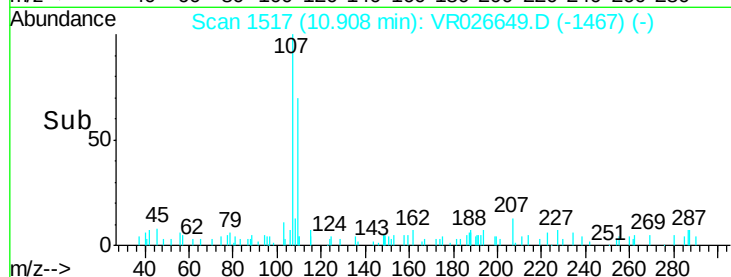
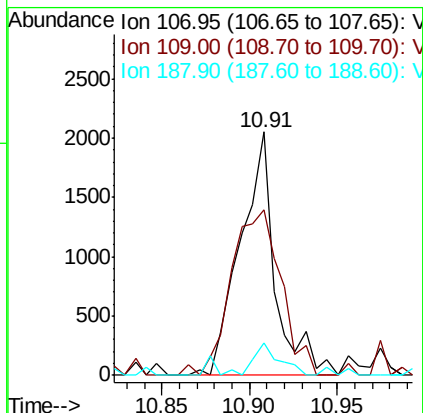
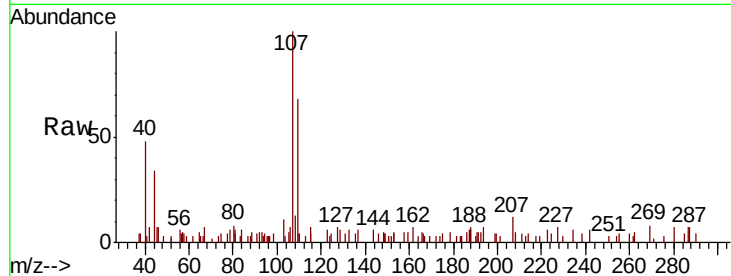
#50
1,2-Dibromoethane
Concen: 0.501 ug/L
RT: 10.91 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.564

Tot Ion	Ratio	Resp	Lower	Upper
107	100	2831		
109	71.5	69.4	128.8	
188	13.1	2.1	3.1#	

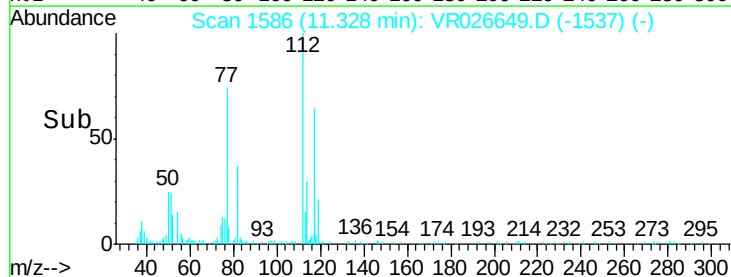
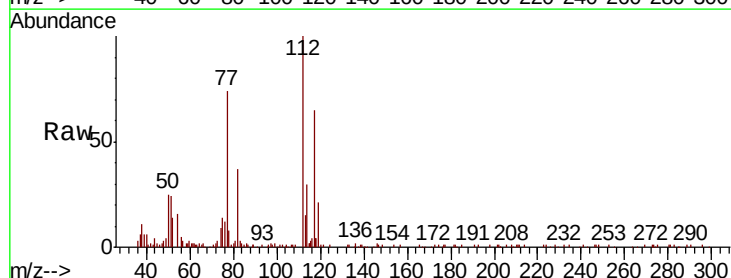
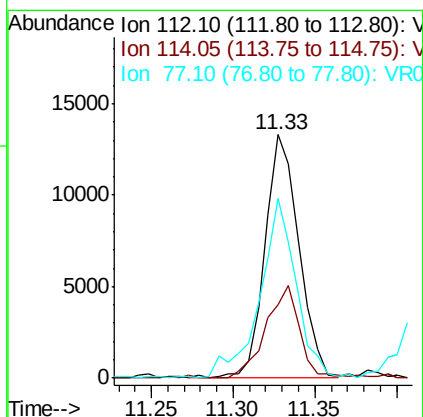
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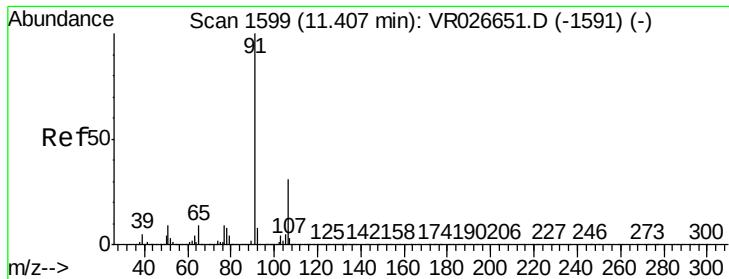
MMDadoda
10/11/2019 3:30:37 PM



#51
Chlorobenzene
Concen: 0.498 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	19204		
114	30.2	22.9	42.5	
77	74.0	53.4	80.0	





#52

Ethylbenzene

Concen: 0.412 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.564

Tot Ion: 91 Resp: 30876

Ion Ratio Lower Upper

91 100

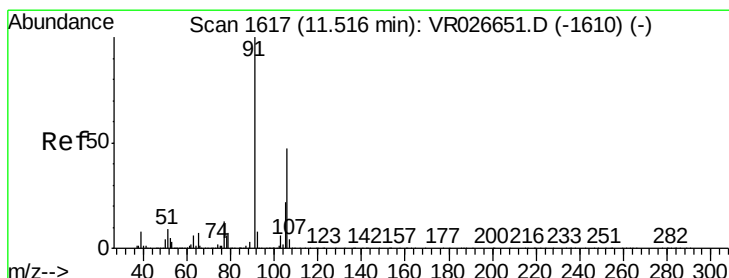
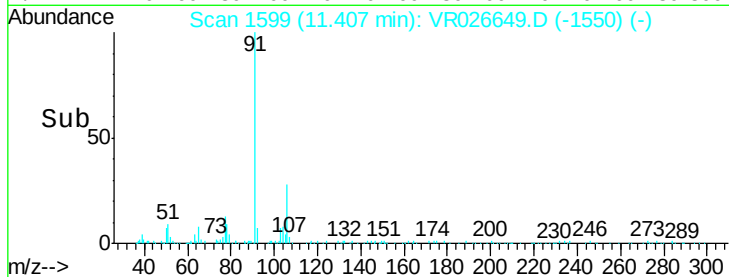
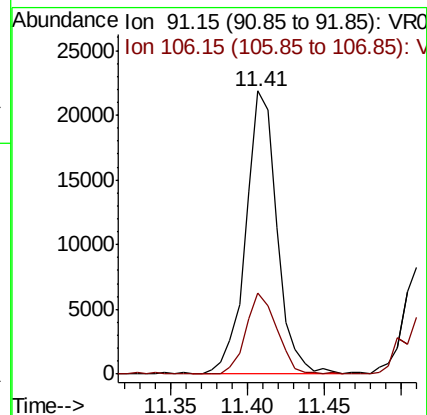
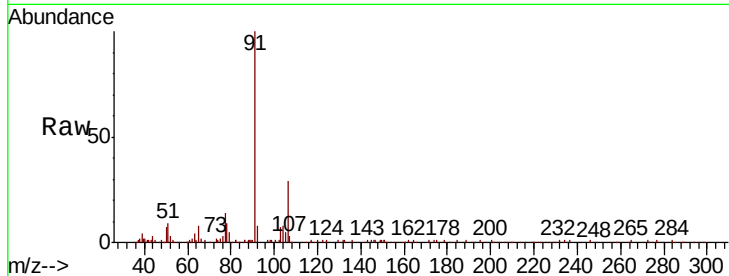
106 28.6 21.6 40.2

Manual Integrations

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#53

m,p-Xylene

Concen: 0.391 ug/L

RT: 11.52 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VR026649.D

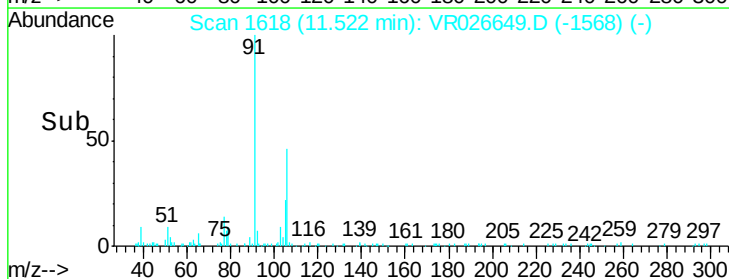
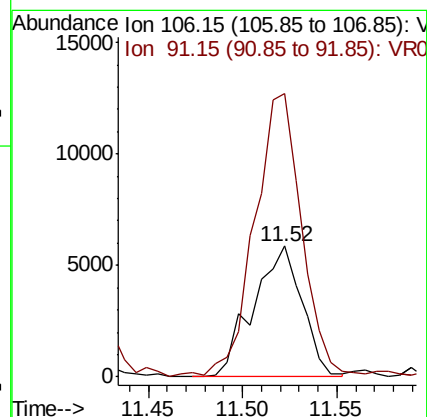
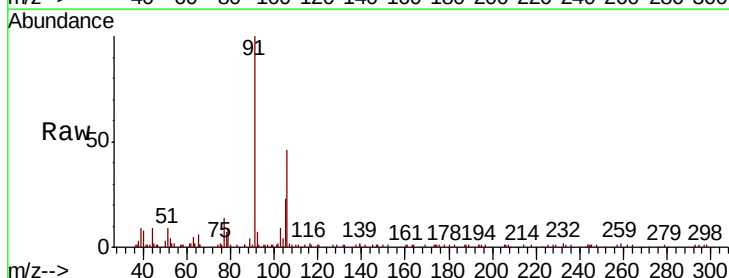
Acq: 10 Oct 2019 14:32

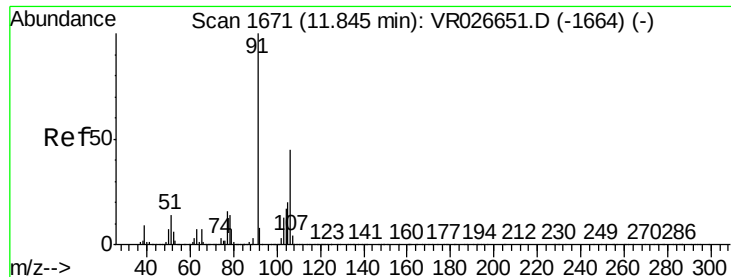
Tgt Ion: 106 Resp: 10570

Ion Ratio Lower Upper

106 100

91 216.9 148.4 275.6





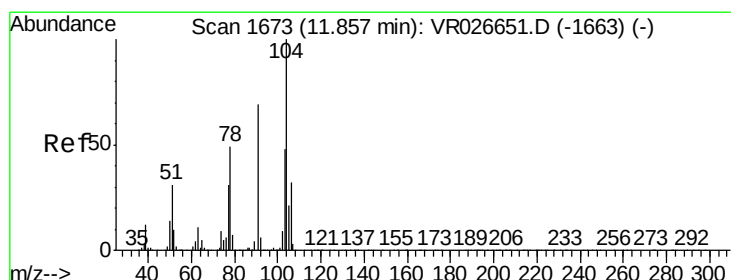
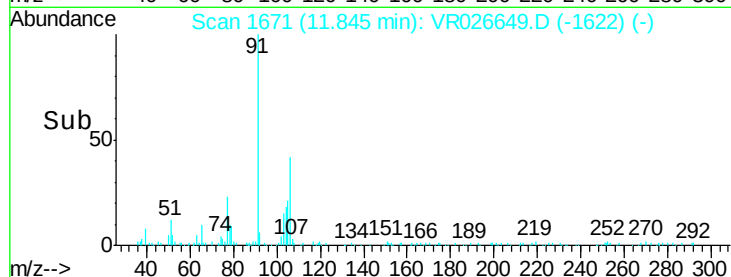
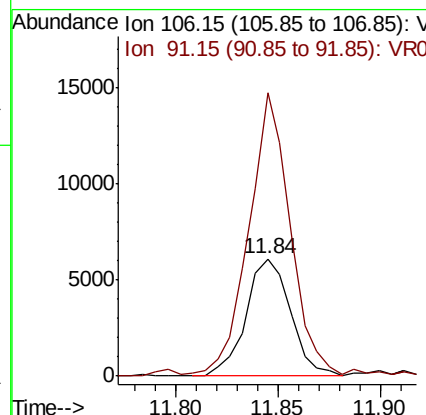
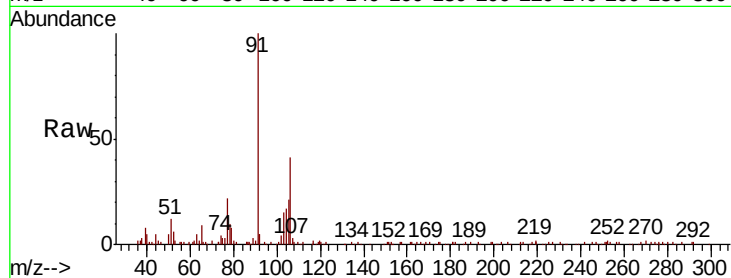
#54
o-Xylene
Concen: 0.349 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.564

Tot Ion	Ratio	Lower	Upper
106	100		
91	241.9	156.4	290.6

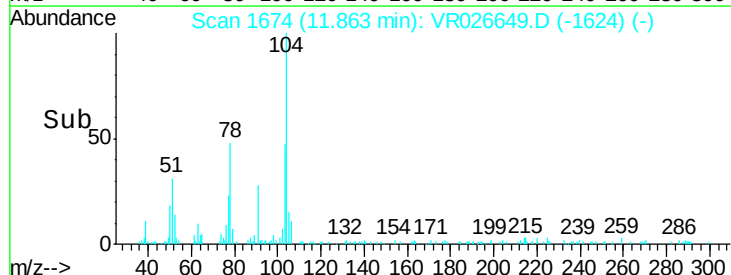
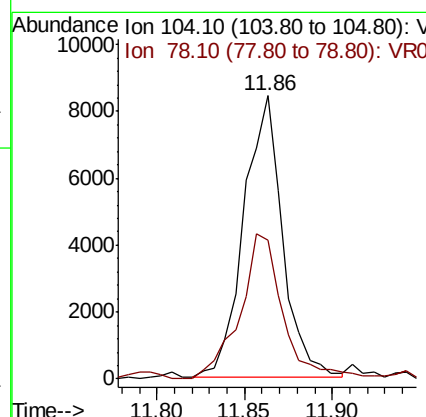
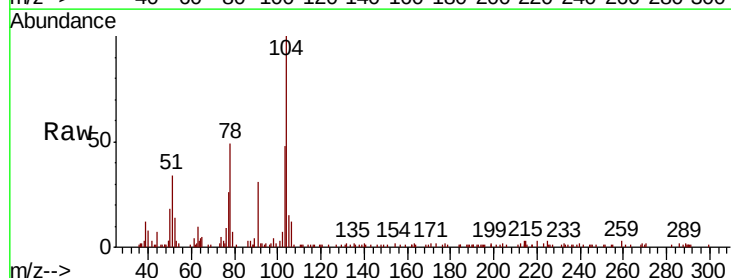
Manual Integrations
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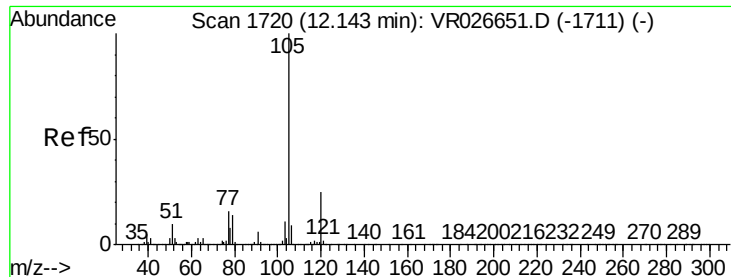
MMDadoda
10/11/2019 3:30:37 PM



#55
Styrene
Concen: 0.343 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	34.5	64.1





#56

Isopropylbenzene

Concen: 0.353 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.01 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

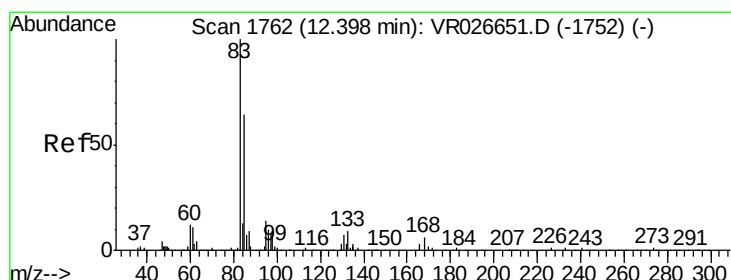
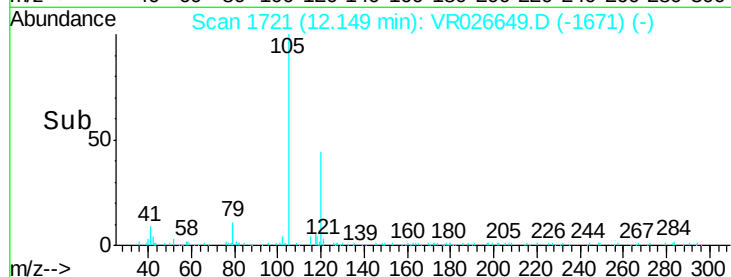
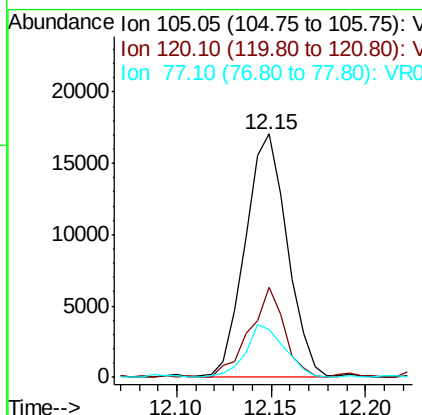
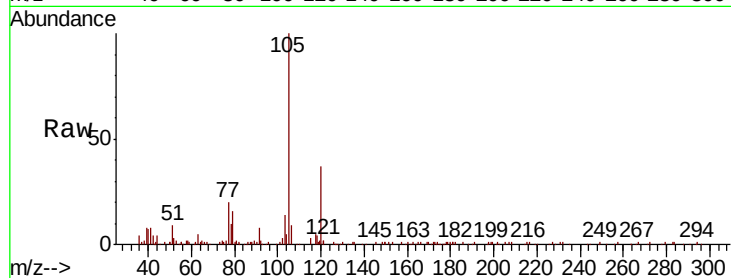
ClientSampleId :

VSTD0.564

Tot Ion:	105	Resp:	26476
Ion Ratio		Lower	Upper
105	100		
120	30.3	20.6	31.0
77	19.9	13.6	20.4

Manual Integrations
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MMDadoda
10/11/2019 3:30:37 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.594 ug/L

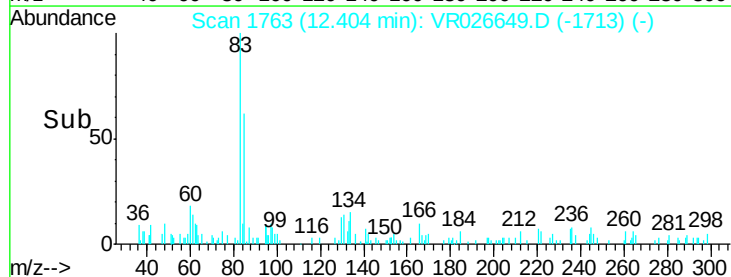
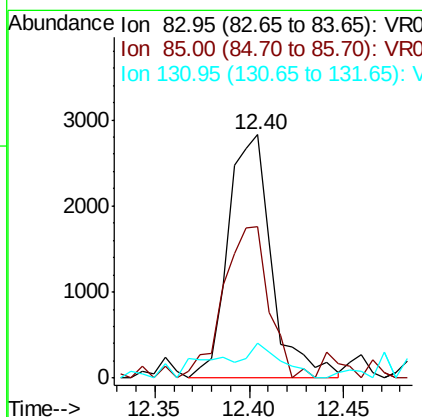
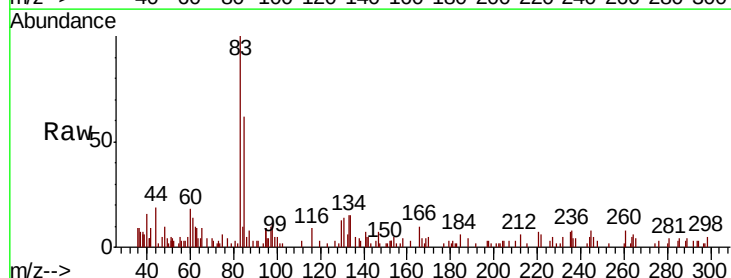
RT: 12.40 min Scan# 1763

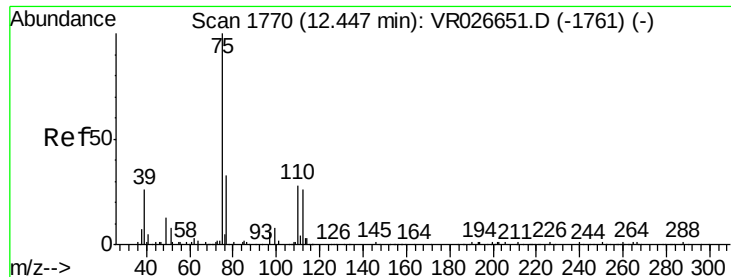
Delta R.T. 0.01 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Tgt Ion:	83	Resp:	4504
Ion Ratio		Lower	Upper
83	100		
85	62.3	44.7	82.9
131	14.1	5.4	8.2#





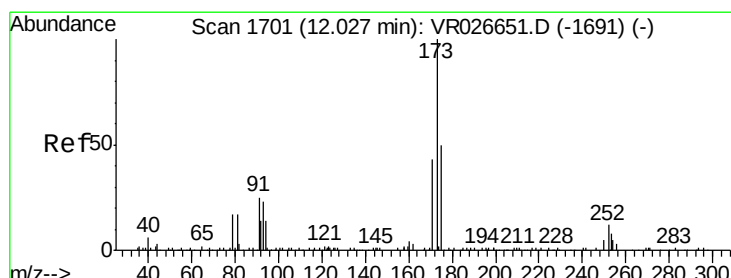
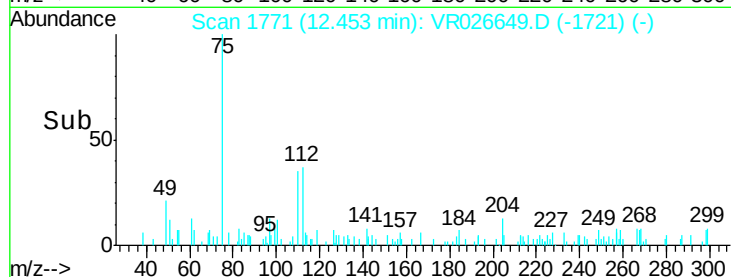
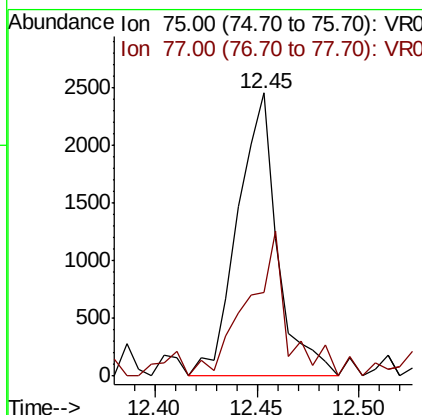
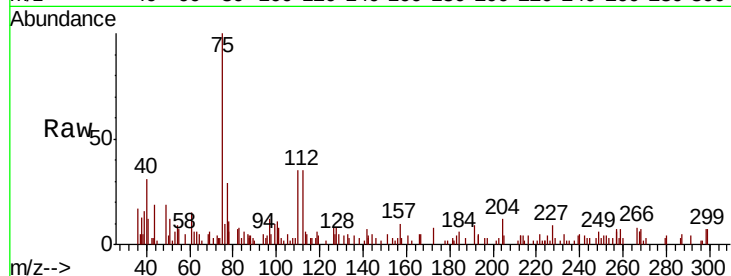
#59
 1,2,3-Trichloropropane
 Concen: 0.615 ug/L
 RT: 12.45 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.564

Tot Ion: 75 Resp: 3315
 Ion Ratio Lower Upper
 75 100
 77 52.5 26.5 39.7#

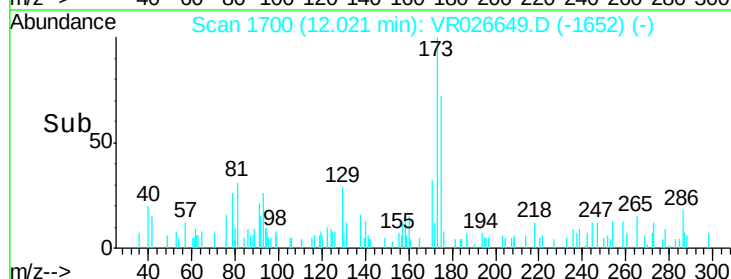
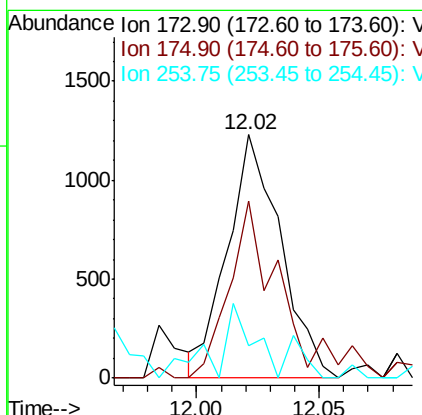
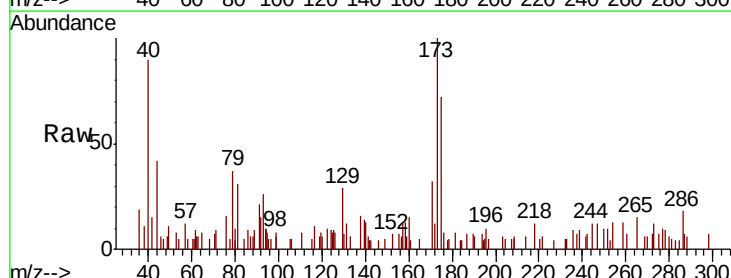
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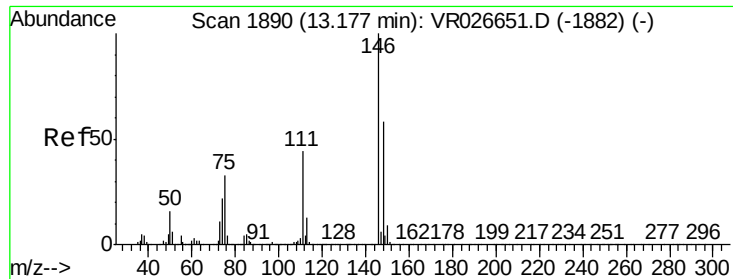
MMDadoda
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#61
 Bromoform
 Concen: 0.551 ug/L
 RT: 12.02 min Scan# 1700
 Delta R.T. -0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Tgt Ion: 173 Resp: 1855
 Ion Ratio Lower Upper
 173 100
 175 71.7 38.6 57.8#
 254 21.5 11.3 16.9#





#62

1,3-Dichlorobenzene

Concen: 0.445 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Instrument :

MSVOA_R

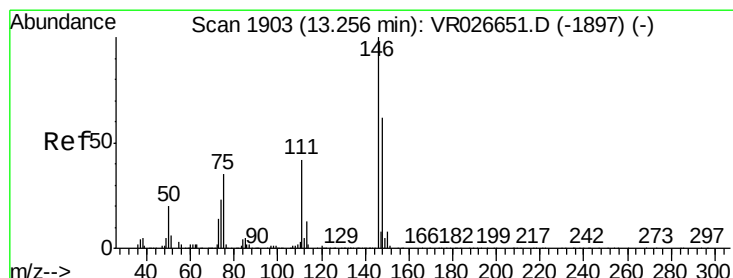
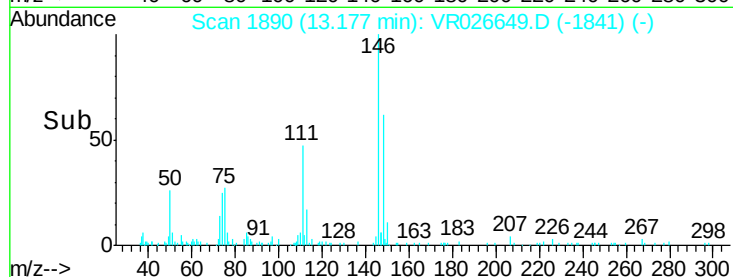
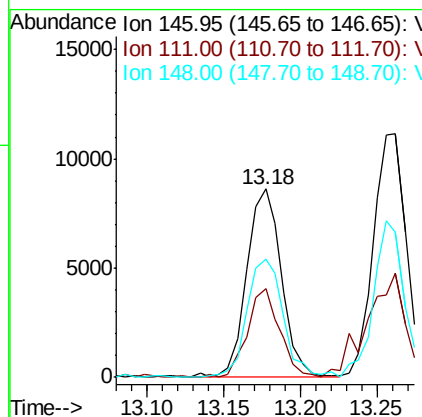
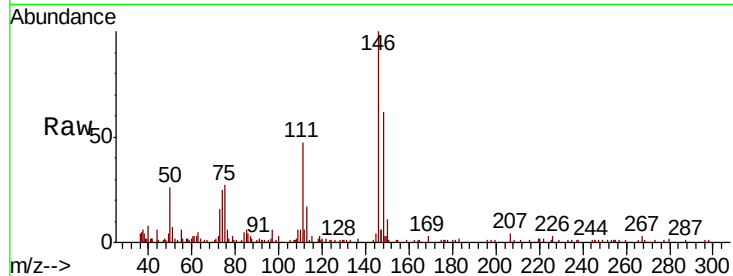
ClientSampled :

VSTD0.564

Tot Ion:	146	Resp:	13578
Ion Ratio	Lower	Upper	
146	100		
111	47.3	31.0	57.6
148	62.5	40.9	75.9

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#63

1,4-Dichlorobenzene

Concen: 0.550 ug/L

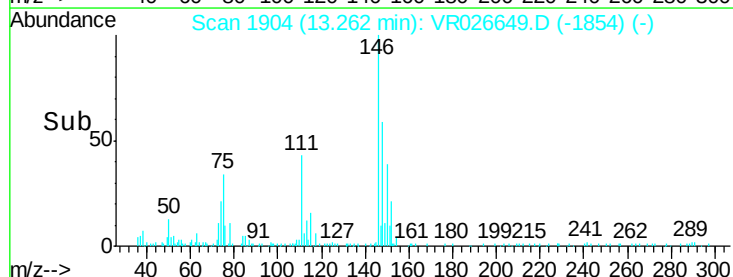
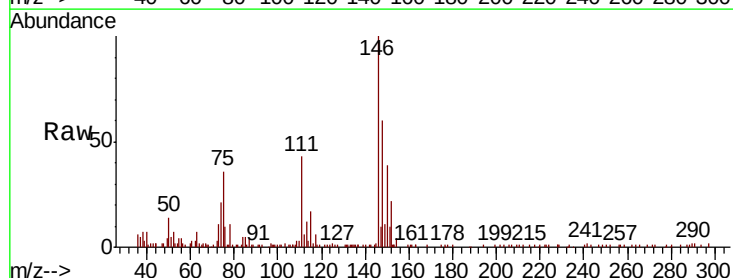
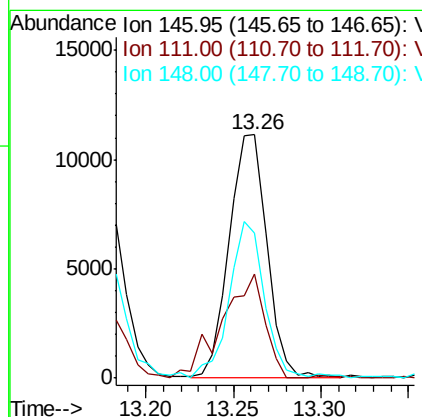
RT: 13.26 min Scan# 1904

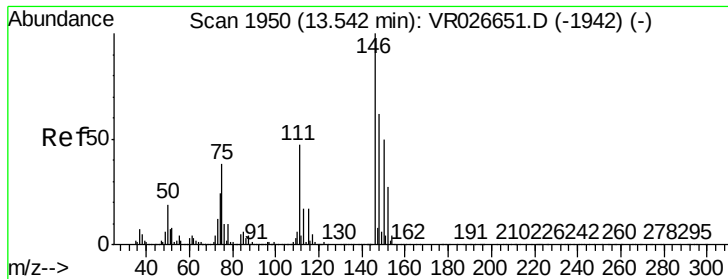
Delta R.T. 0.01 min

Lab File: VR026649.D

Acq: 10 Oct 2019 14:32

Tgt Ion:	146	Resp:	16770
Ion Ratio	Lower	Upper	
146	100		
111	42.9	29.6	55.0
148	59.7	43.2	80.2





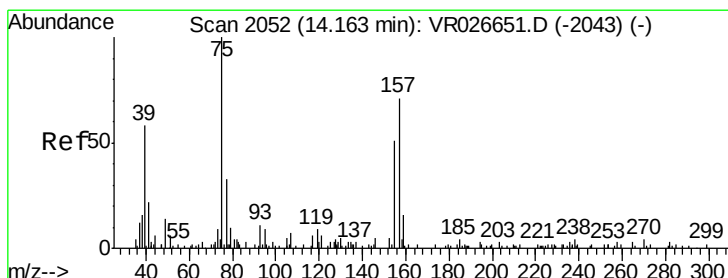
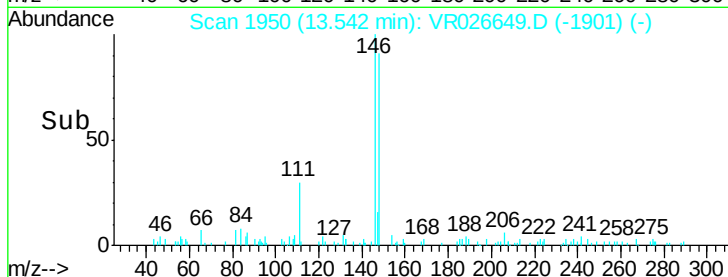
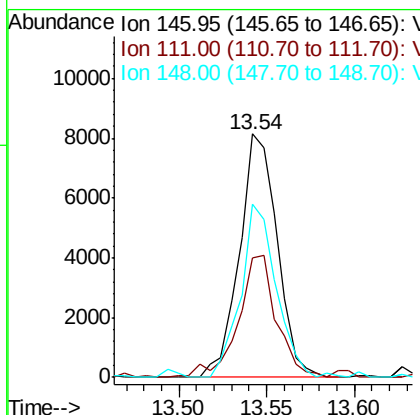
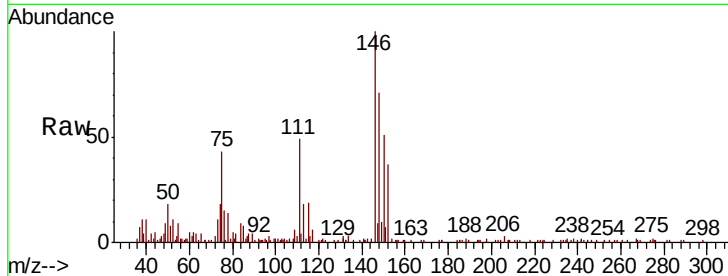
#65
 1,2-Dichlorobenzene
 Concen: 0.475 ug/L
 RT: 13.54 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD0.564

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	37.4	56.2
148	71.0	49.6	74.4

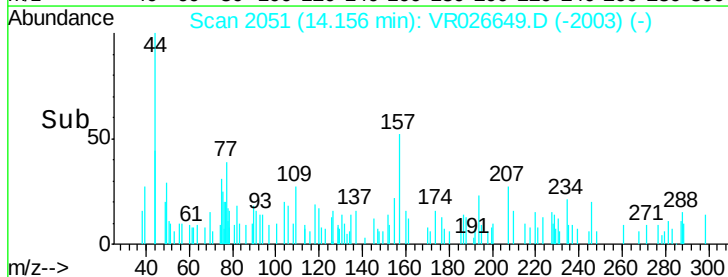
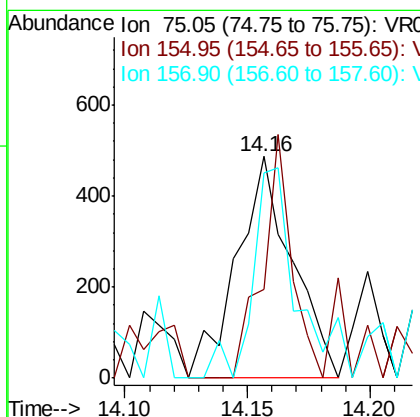
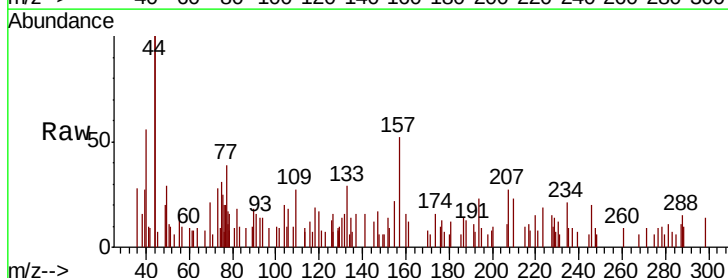
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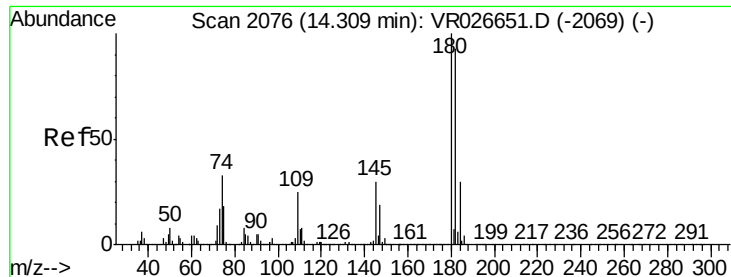
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.587 ug/L
 RT: 14.16 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	39.8	41.8	62.8#
157	92.6	56.5	84.7#





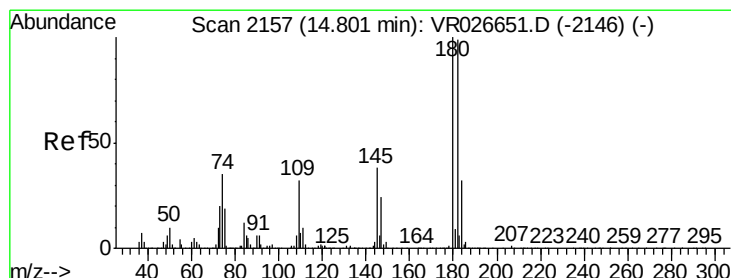
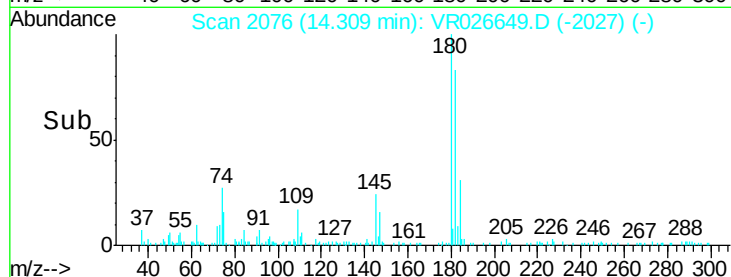
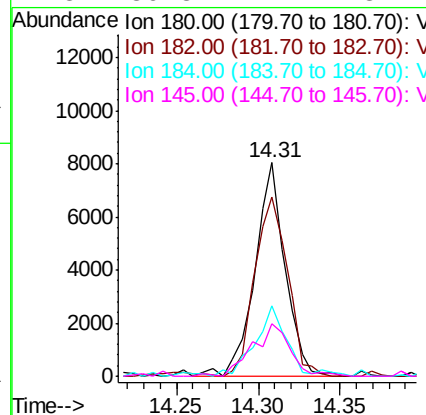
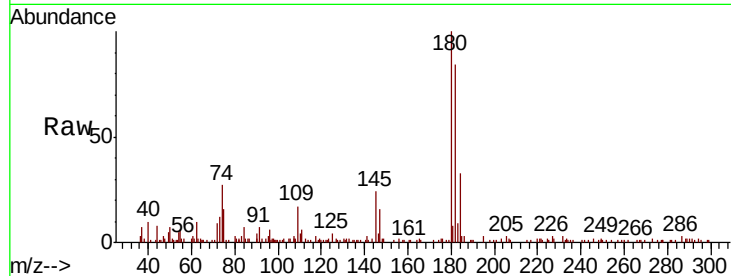
#67
 1,3,5-Trichlorobenzene
 Concen: 0.427 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.564

Tot Ion:	180	Resp:	10419
Ion Ratio	Lower	Upper	
180	100		
182	91.3	72.5	108.7
184	33.2	22.7	34.1
145	30.3	24.7	37.1

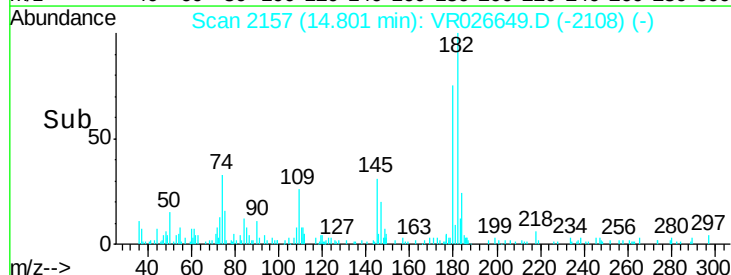
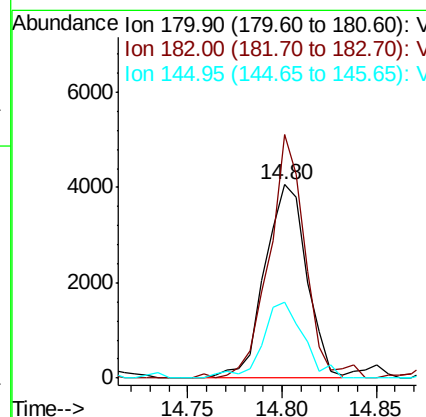
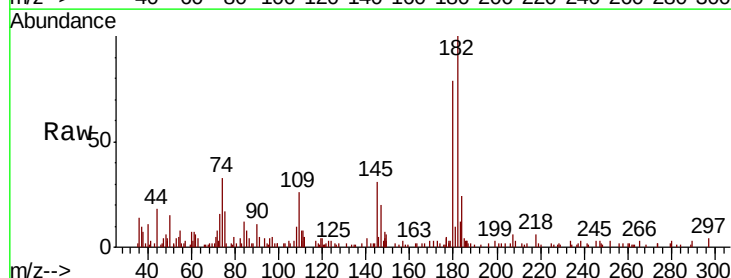
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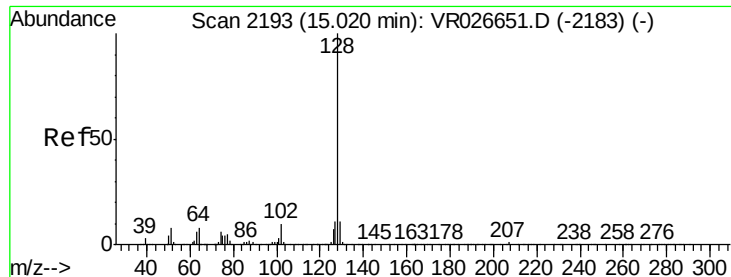
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#68
 1,2,4-trichlorobenzene
 Concen: 0.365 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026649.D
 Acq: 10 Oct 2019 14:32

Tgt Ion:	180	Resp:	6255
Ion Ratio	Lower	Upper	
180	100		
182	108.3	75.7	113.5
145	38.9	27.0	40.6





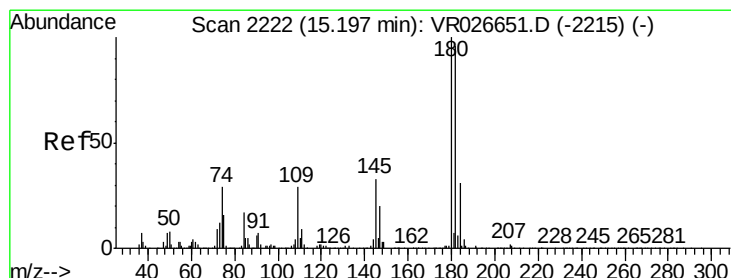
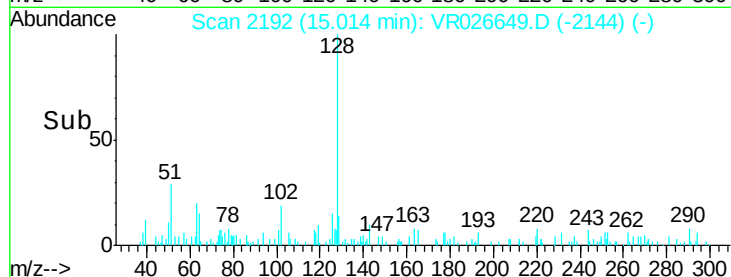
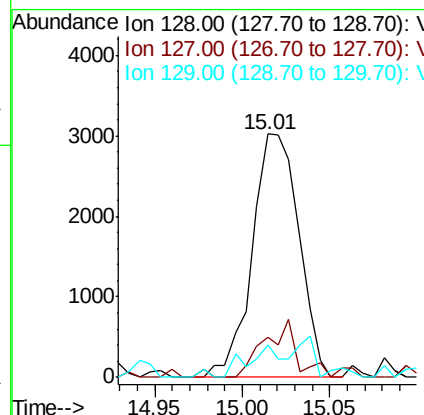
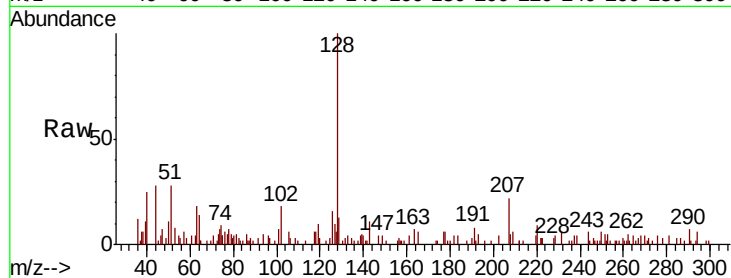
#69
Naphthalene
Concen: 0.250 ug/L
RT: 15.01 min Scan# 2192
Delta R.T. -0.01 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.564

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.6	10.6	16.0#
129	10.4	8.4	12.6

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 0.474 ug/L
RT: 15.20 min Scan# 2222
Delta R.T. 0.00 min
Lab File: VR026649.D
Acq: 10 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.0	75.2	112.8
145	34.0	27.1	40.7

