

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052226.D
 Acq On : 9 Nov 2018 14:33
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:18:37 AM

Quant Time: Nov 12 00:02:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Sun Nov 11 23:43:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	276878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	474677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	423248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	78472	20.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.44%	
35) Dibromofluoromethane	7.59	113	62773	20.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.84%	
50) Toluene-d8	10.09	98	250184	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
62) 4-Bromofluorobenzene	12.40	95	76797	19.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	60035	19.944	ug/l	97
3) Chloromethane	2.06	50	80926	19.256	ug/l	99
4) Vinyl Chloride	2.19	62	69068	19.726	ug/l	98
5) Bromomethane	2.57	94	41447	18.657	ug/l	94
6) Chloroethane	2.71	64	39175	18.841	ug/l	91
7) Trichlorofluoromethane	3.02	101	93026	19.085	ug/l	98
8) Diethyl Ether	3.41	74	35488	18.507	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	59579	18.980	ug/l	99
10) Methyl Iodide	3.95	142	77306	19.053	ug/l	98
11) Tert butyl alcohol	4.78	59	20710m	109.516	ug/l	
12) 1,1-Dichloroethene	3.74	96	53812	18.590	ug/l	97
13) Acrolein	3.61	56	28211	107.883	ug/l	95
14) Allyl chloride	4.33	41	108188	17.852	ug/l	94
15) Acrylonitrile	4.99	53	117444	98.447	ug/l	98
16) Acetone	3.82	43	97526	83.953	ug/l	98
17) Carbon Disulfide	4.06	76	155989	18.577	ug/l	100
18) Methyl Acetate	4.33	43	57006	19.097	ug/l #	80
19) Methyl tert-butyl Ether	5.05	73	160975	19.465	ug/l	98
20) Methylene Chloride	4.55	84	65016	20.275	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	60254	19.153	ug/l	92
22) Diisopropyl ether	5.95	45	234341	19.195	ug/l	97
23) Vinyl Acetate	5.90	43	816727	97.974	ug/l	100
24) 1,1-Dichloroethane	5.85	63	121690	18.965	ug/l	99
25) 2-Butanone	6.83	43	151009	93.486	ug/l	99
26) 2,2-Dichloropropane	6.83	77	86467	18.450	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	68116	19.343	ug/l	98
28) Bromochloromethane	7.19	49	62269	19.639	ug/l	99
29) Tetrahydrofuran	7.21	42	101696	97.953	ug/l	99
30) Chloroform	7.37	83	115123	18.957	ug/l	99
31) Cyclohexane	7.65	56	120759	16.214	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	95561	19.306	ug/l	99
36) 1,1-Dichloropropene	7.80	75	90165	18.819	ug/l	99
37) Ethyl Acetate	6.93	43	69037	19.529	ug/l	97
38) Carbon Tetrachloride	7.78	117	82481	18.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	104149	19.058	ug/l	97
40) Benzene	8.04	78	262720	19.152	ug/l	100
41) Methacrylonitrile	7.19	41	44422m	23.821	ug/l	
42) 1,2-Dichloroethane	8.12	62	87692	18.220	ug/l	99
43) Isopropyl Acetate	8.17	43	120703	19.217	ug/l	99
44) Trichloroethene	8.84	130	63246	18.399	ug/l	96
45) 1,2-Dichloropropane	9.12	63	73481	19.174	ug/l	100
46) Dibromomethane	9.21	93	42863	19.472	ug/l	98
47) Bromodichloromethane	9.40	83	85885	18.831	ug/l	98
48) Methyl methacrylate	9.20	41	61710	18.646	ug/l	99
49) 1,4-Dioxane	9.20	88	10424	391.809	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	339925	97.995	ug/l	100
52) Toluene	10.16	92	157891	19.081	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83317	18.512	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	99378	18.705	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57278	19.151	ug/l	98
56) Ethyl methacrylate	10.43	69	77038	19.058	ug/l	99
57) 1,3-Dichloropropane	10.71	76	102579	19.159	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	222616	99.460	ug/l	98
59) 2-Hexanone	10.75	43	235872	96.863	ug/l	99
60) Dibromochloromethane	10.90	129	58585	19.311	ug/l	98
61) 1,2-Dibromoethane	11.00	107	56490	19.218	ug/l	99
64) Tetrachloroethene	10.63	164	56508	19.069	ug/l	98
65) Chlorobenzene	11.43	112	171384	19.110	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	58824	19.364	ug/l	98
67) Ethyl Benzene	11.51	91	301474	19.111	ug/l	98
68) m/p-Xylenes	11.62	106	224524	38.219	ug/l	99
69) o-Xylene	11.95	106	108413	19.316	ug/l	98
70) Styrene	11.96	104	177973	19.627	ug/l	98
71) Bromoform	12.13	173	35066	19.349	ug/l #	96
73) Isopropylbenzene	12.25	105	289198	19.609	ug/l	99
74) N-amyl acetate	12.07	43	104240	19.469	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	72165	19.959	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	62647m	21.644	ug/l	
77) Bromobenzene	12.53	156	67433	19.533	ug/l	99
78) n-propylbenzene	12.59	91	337396	19.533	ug/l	99
79) 2-Chlorotoluene	12.67	91	194297	19.417	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	229984	19.608	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	17602	18.823	ug/l	89
82) 4-Chlorotoluene	12.77	91	194284	19.350	ug/l	99
83) tert-Butylbenzene	12.99	119	198528	19.388	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	230903	19.525	ug/l	99
85) sec-Butylbenzene	13.17	105	275579	19.625	ug/l	100
86) p-Isopropyltoluene	13.29	119	231693	19.722	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	116477	19.381	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115910	19.265	ug/l	99
89) n-Butylbenzene	13.61	91	198321	18.958	ug/l	98
90) Hexachloroethane	13.87	117	38698	18.768	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	114290	19.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10117	19.682	ug/l	96

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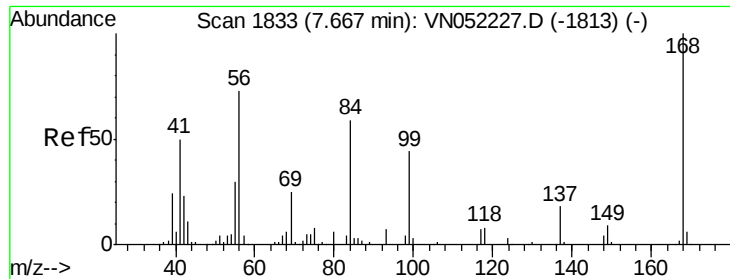
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47568	20.510	ug/l	98
94) Hexachlorobutadiene	15.01	225	24860	19.726	ug/l	99
95) Naphthalene	15.13	128	115750	20.250	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43308	19.751	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 276878

Ion Ratio Lower Upper

168 100

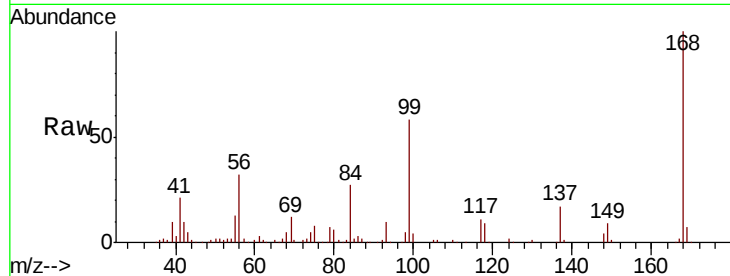
99 57.8 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

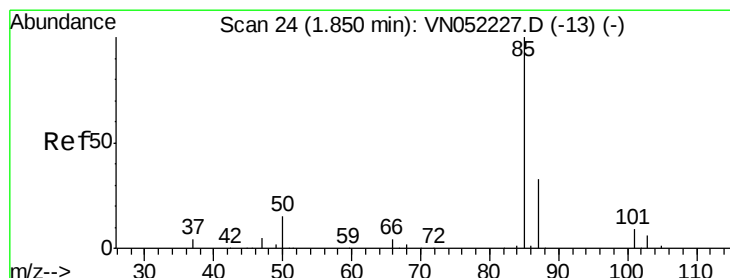
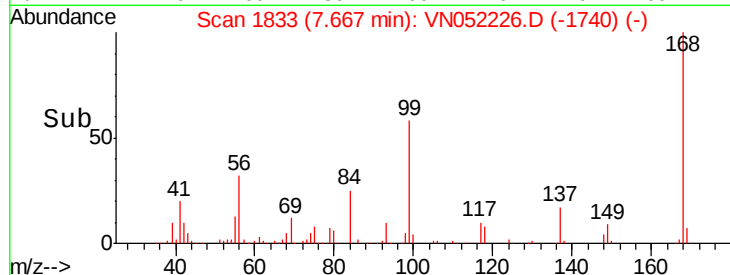
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.944 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052226.D

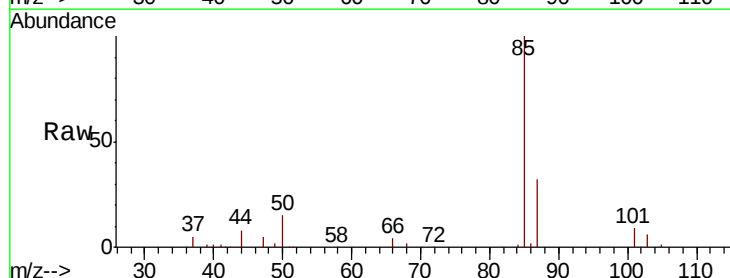
Acq: 9 Nov 2018 14:33

Tgt Ion: 85 Resp: 60035

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

50000

40000

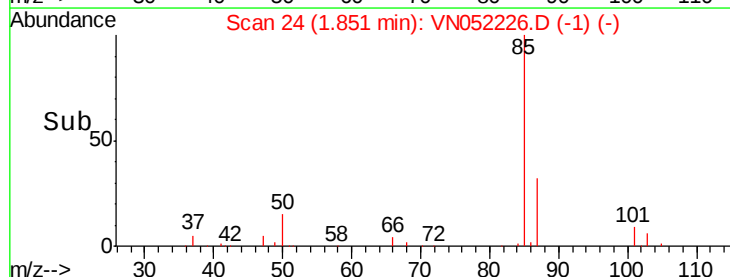
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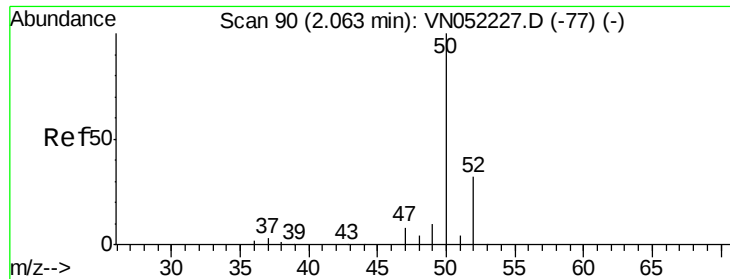
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.256 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 80926

Ion Ratio Lower Upper

50 100

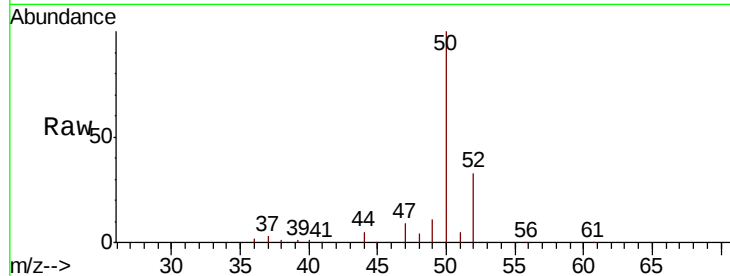
52 32.7 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN052226.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052226.D (-1) (-)

2.06

50000

40000

30000

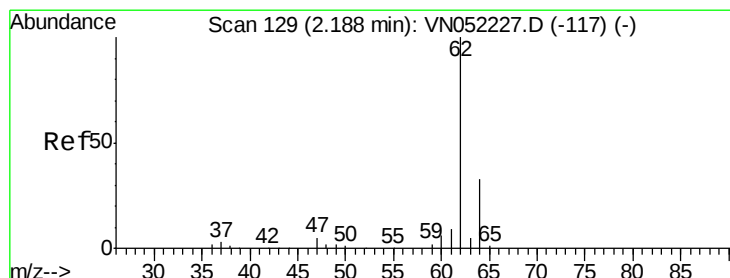
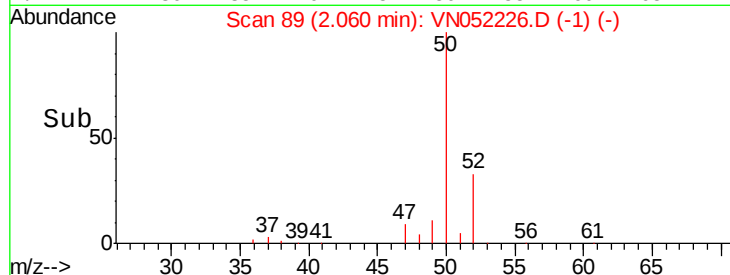
20000

10000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 19.726 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052226.D

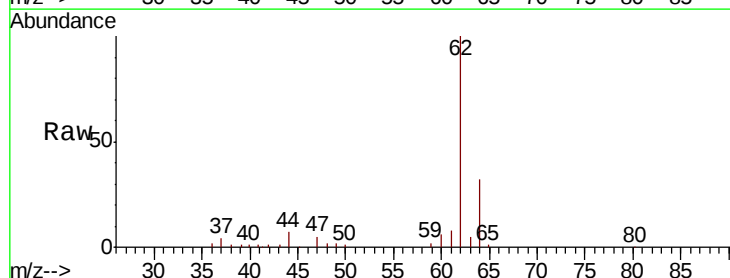
Acq: 9 Nov 2018 14:33

Tgt Ion: 62 Resp: 69068

Ion Ratio Lower Upper

62 100

64 31.7 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VN052226.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN052226.D (-36) (-)

2.19

50000

40000

30000

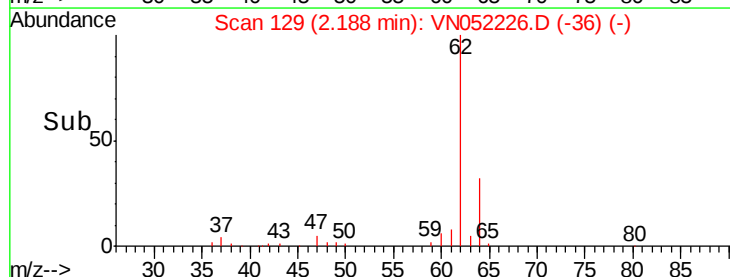
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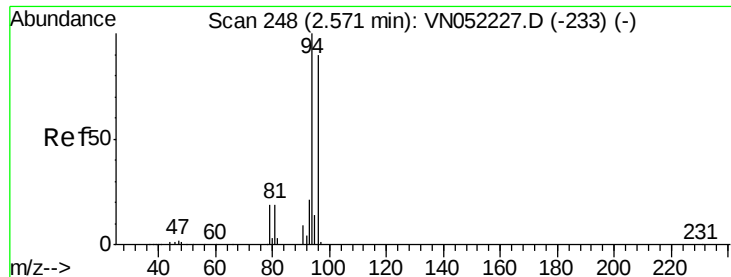
10000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 18.657 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 41447

Ion Ratio Lower Upper

94 100

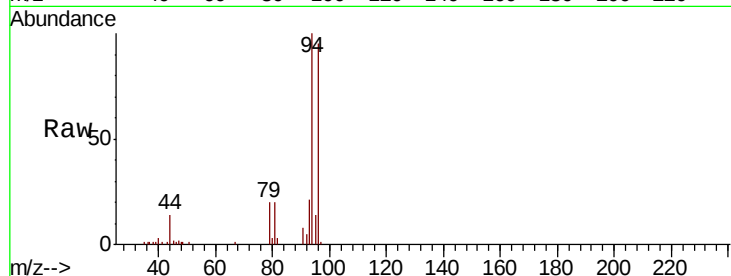
96 95.3 71.8 107.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

25000

20000

15000

10000

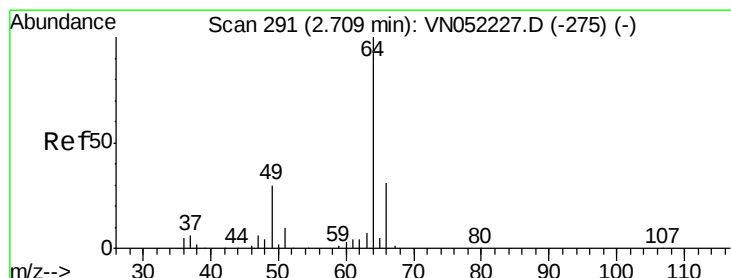
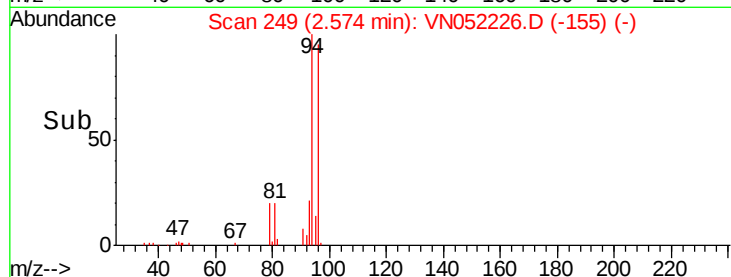
5000

0

Time-->

2.50 2.55 2.60 2.65

2.57



#6

Chloroethane

Concen: 18.841 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052226.D

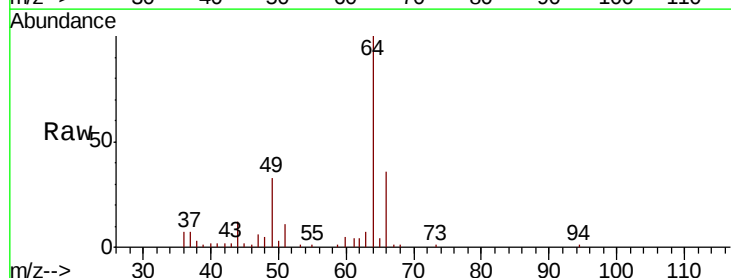
Acq: 9 Nov 2018 14:33

Tgt Ion: 64 Resp: 39175

Ion Ratio Lower Upper

64 100

66 35.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

20000

15000

10000

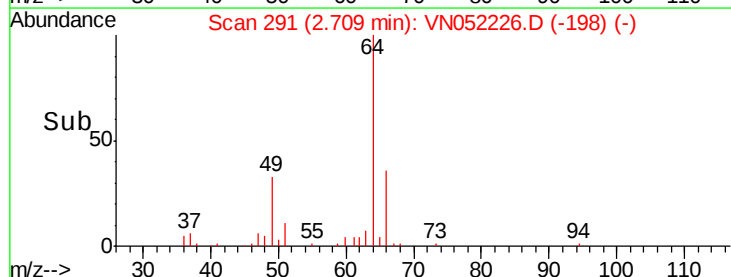
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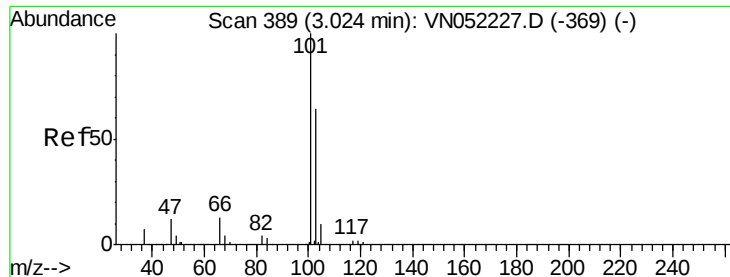
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Time-->

2.65 2.70 2.75 2.80

2.71





#7

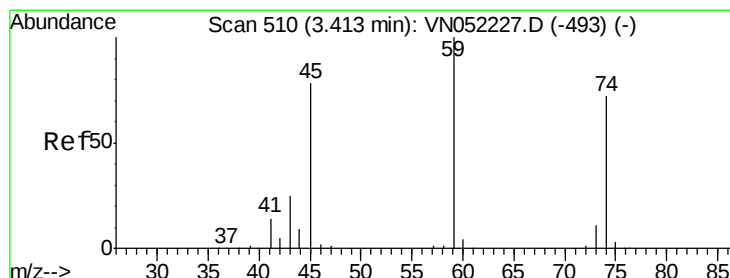
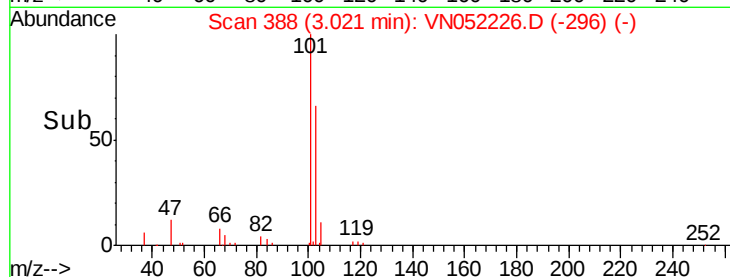
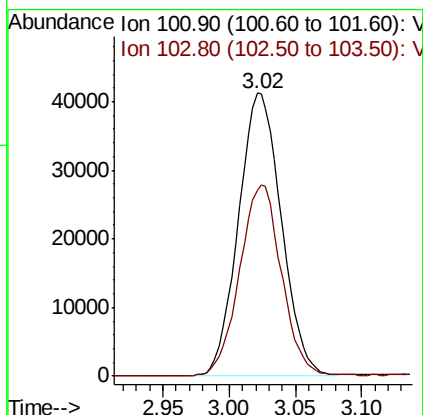
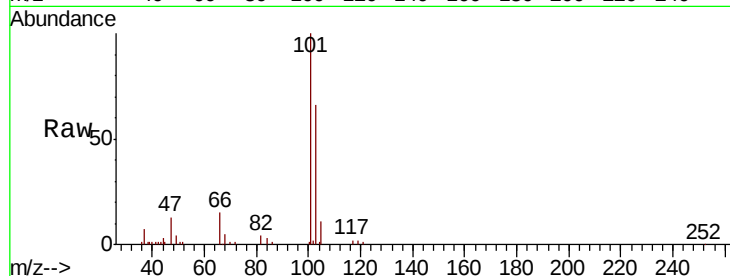
Trichlorofluoromethane
Concen: 19.085 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
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VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		93026		
103	65.9	51.2	76.8		

Manual Integrations
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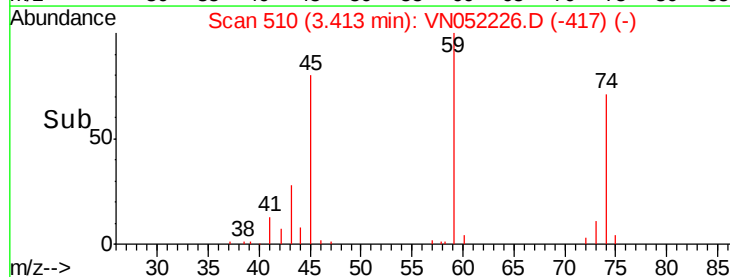
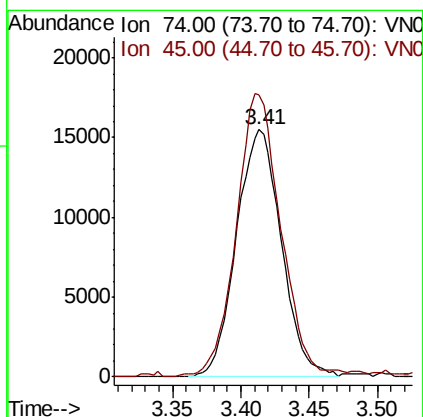
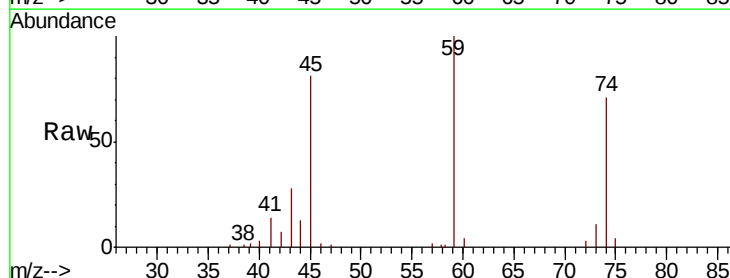
MMDadoda
11/12/2018 9:18:37 AM

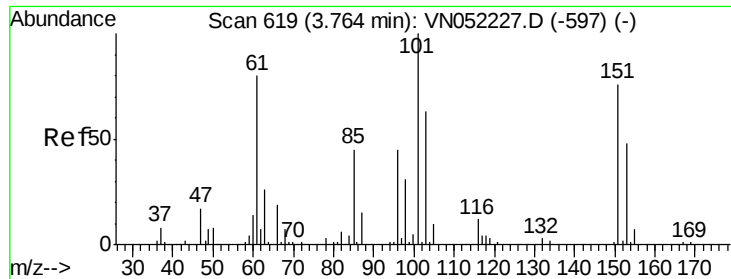


#8

Diethyl Ether
Concen: 18.507 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		35488		
45	112.8	55.5	166.7		





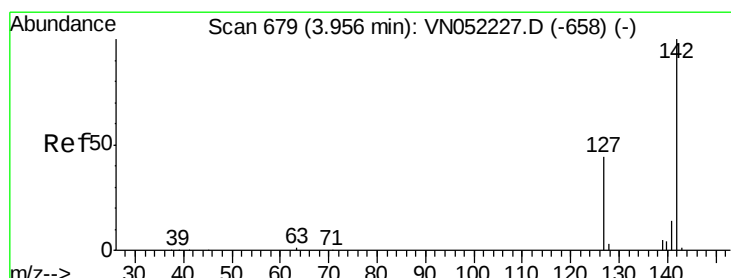
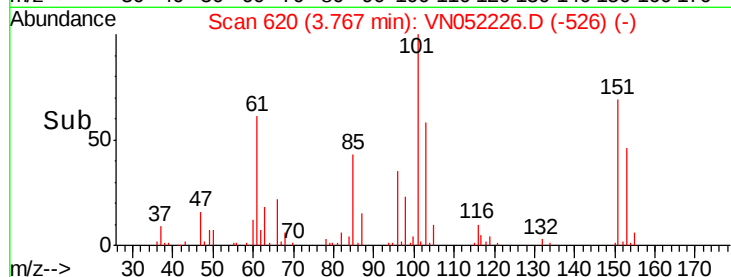
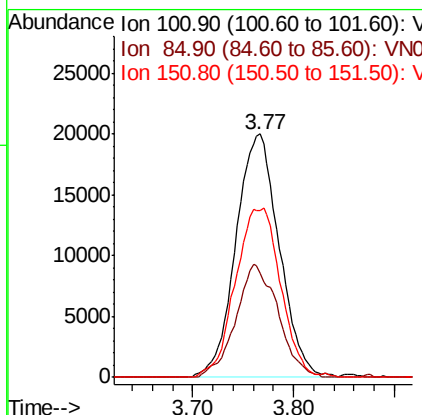
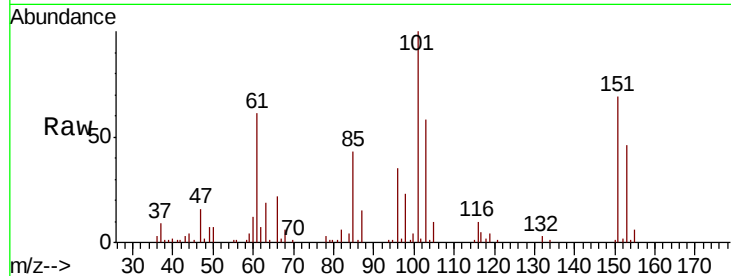
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.980 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	72.4	59.2	88.8

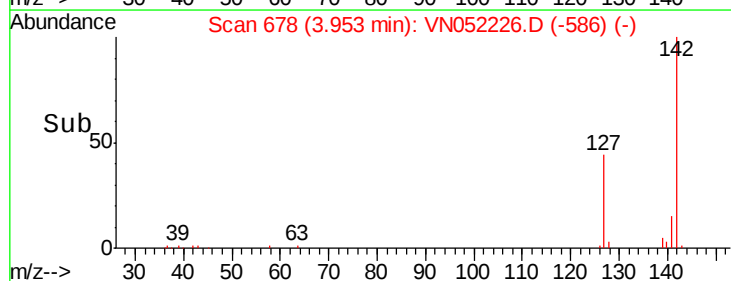
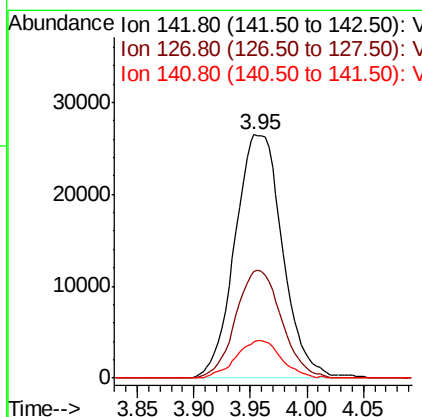
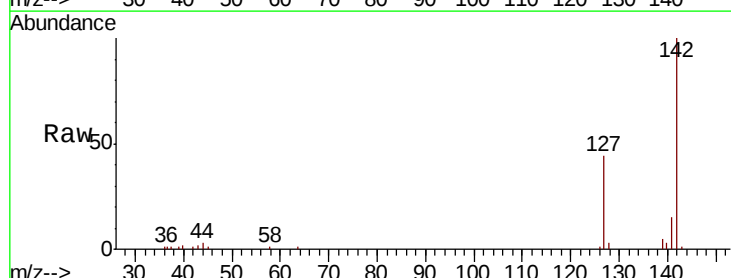
Manual Integrations
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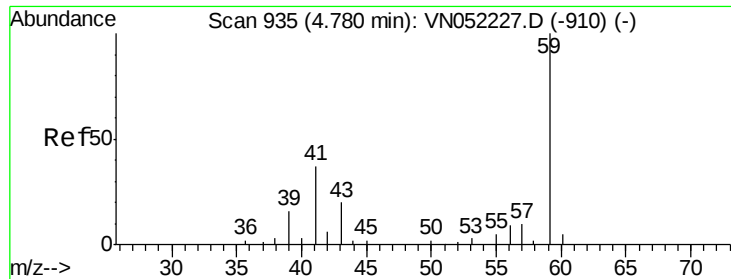
MMDadoda
 11/12/2018 9:18:37 AM



#10
 Methyl Iodide
 Concen: 19.053 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.8	35.3	52.9
141	14.7	11.8	17.6





#11

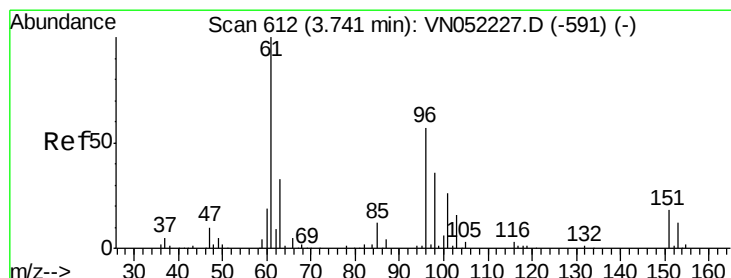
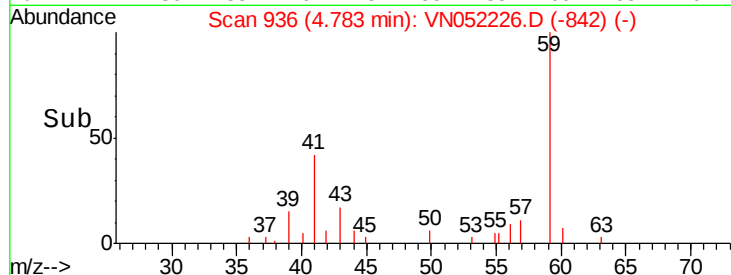
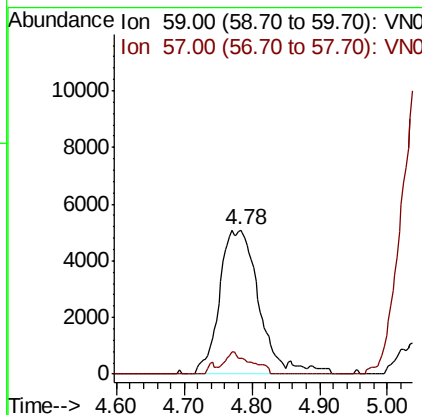
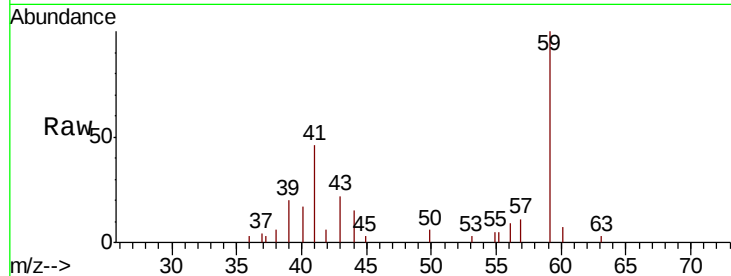
Tert butyl alcohol
 Concen: 109.516 ug/l m
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.5	8.8	13.2#

Manual Integrations
 APPROVED

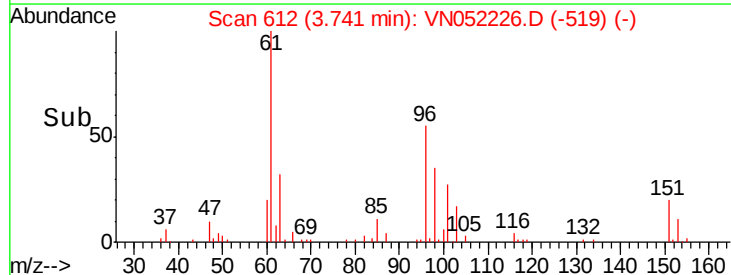
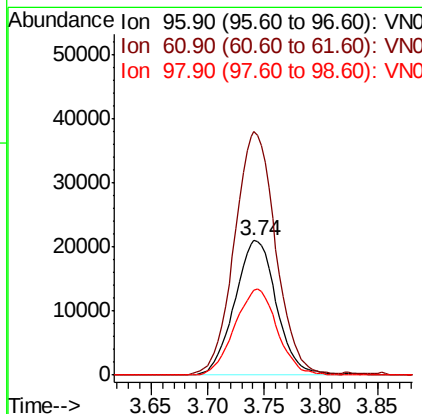
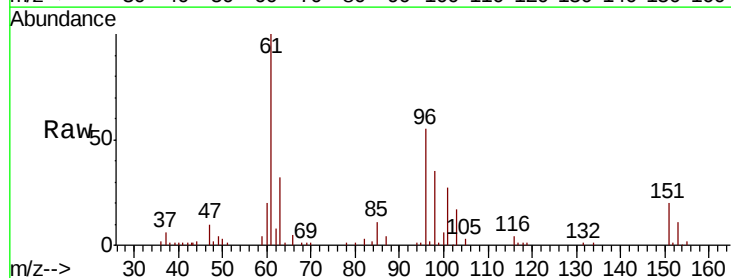
MMDadoda
 11/12/2018 9:18:37 AM

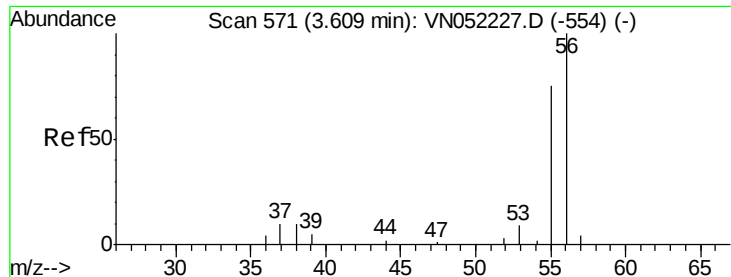


#12

1,1-Dichloroethene
 Concen: 18.590 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.0	141.1	211.7
98	63.4	50.3	75.5





#13

Acrolein

Concen: 107.883 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 28211

Ion Ratio Lower Upper

56 100

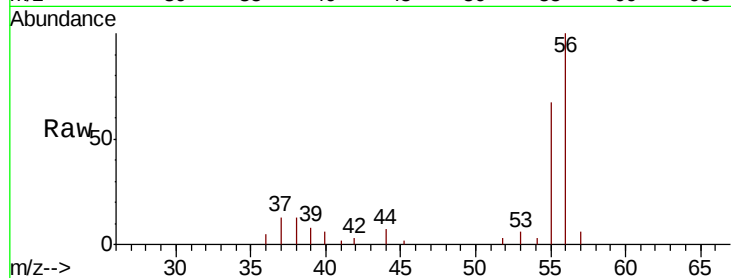
55 70.9 59.9 89.9

Manual Integrations

APPROVED

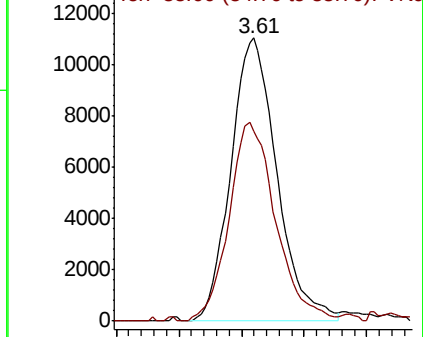
MMDadoda

11/12/2018 9:18:37 AM

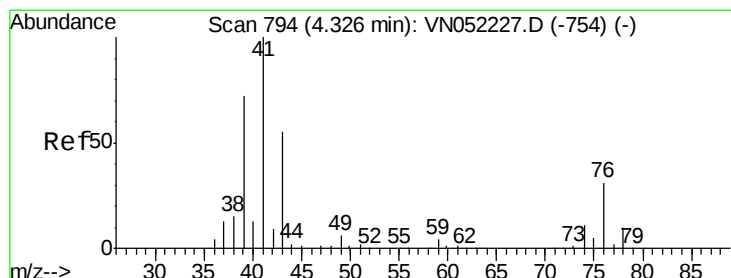
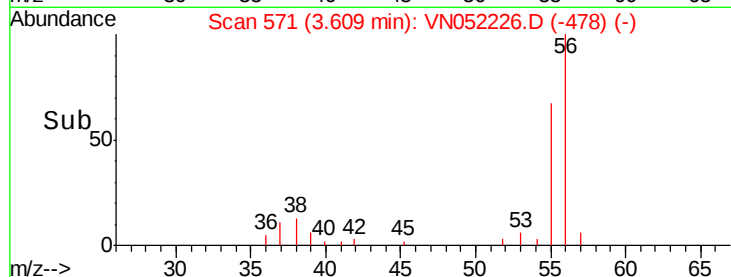


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 17.852 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

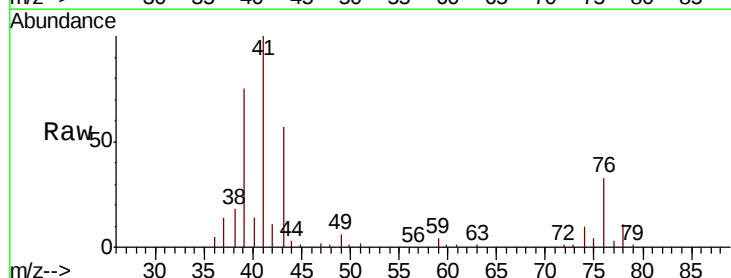
Tgt Ion: 41 Resp: 108188

Ion Ratio Lower Upper

41 100

39 74.4 55.1 82.7

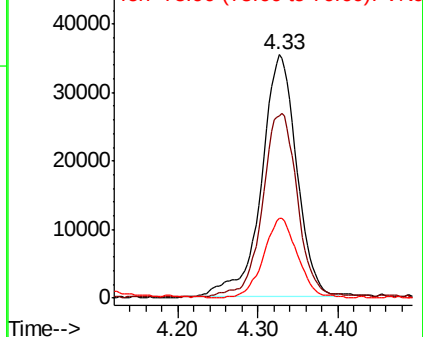
76 31.9 23.6 35.4



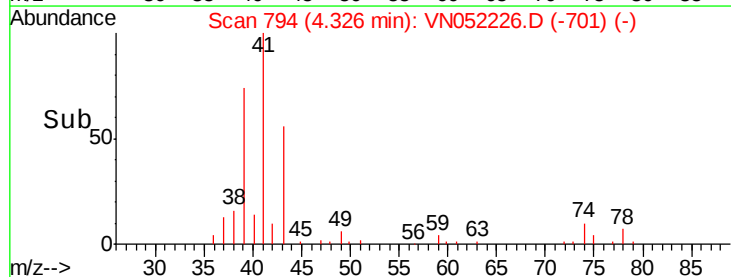
Abundance Ion 41.00 (40.70 to 41.70): VN0

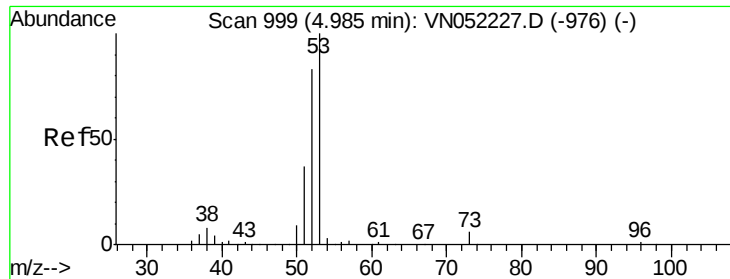
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time--> 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 98.447 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

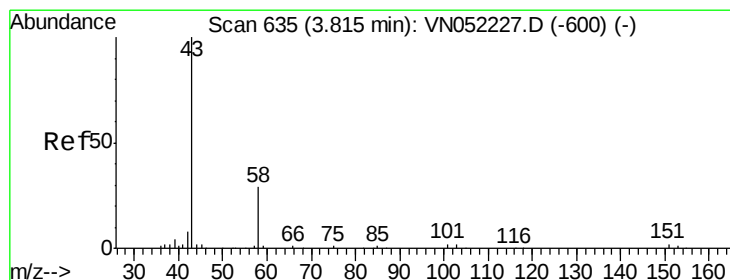
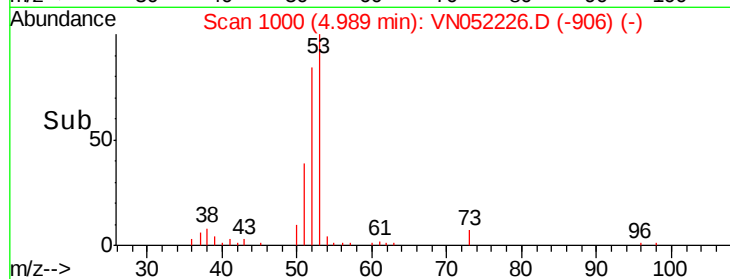
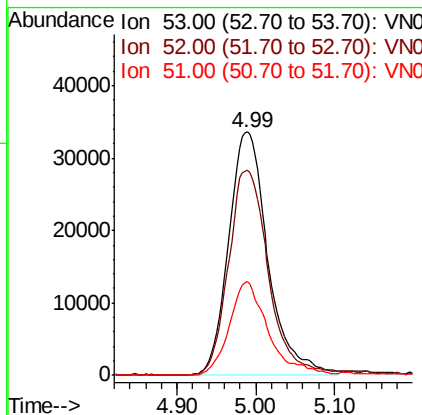
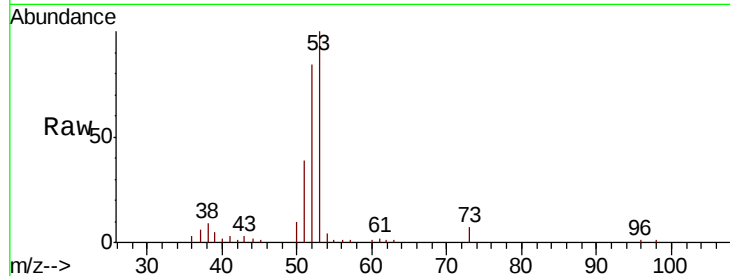
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	117444
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.7	100.1
51	38.0	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 83.953 ug/l

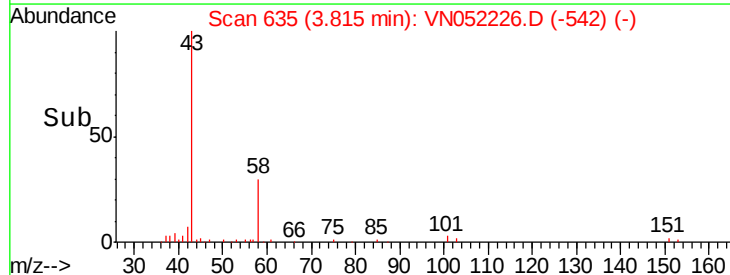
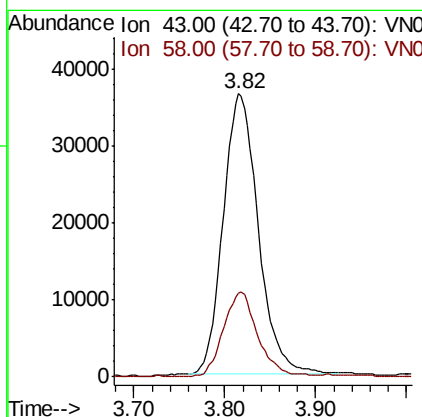
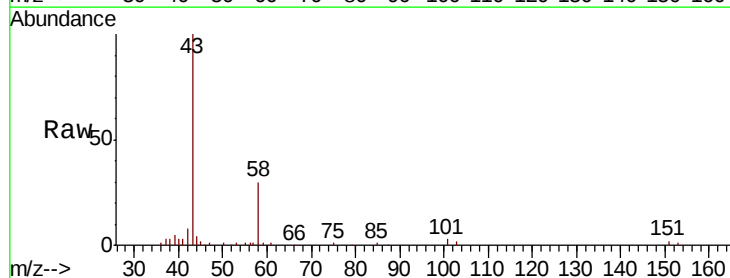
RT: 3.82 min Scan# 635

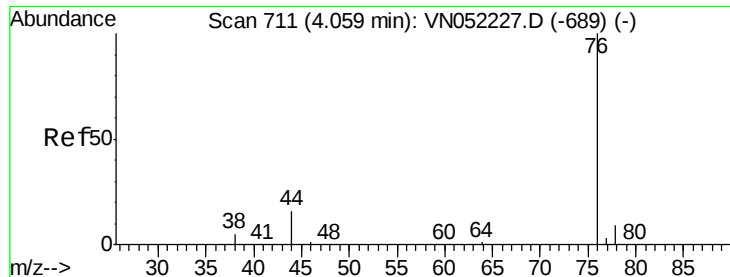
Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Tgt Ion:	43	Resp:	97526
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.0	34.6





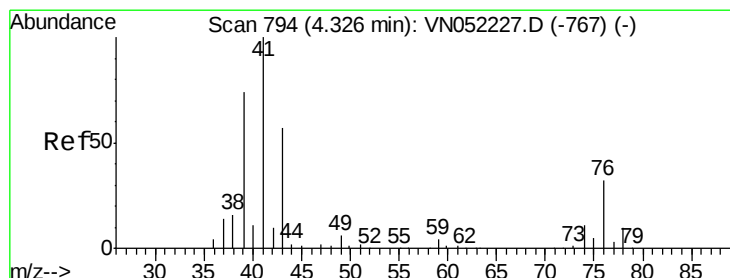
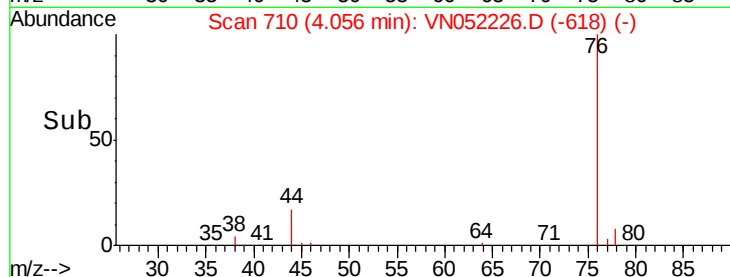
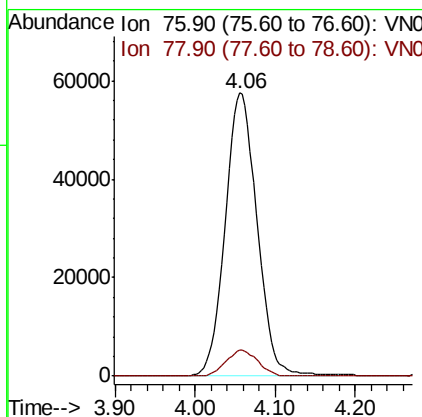
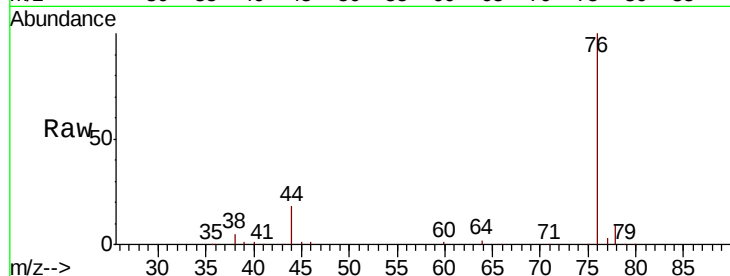
#17
Carbon Disulfide
Concen: 18.577 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 155989
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

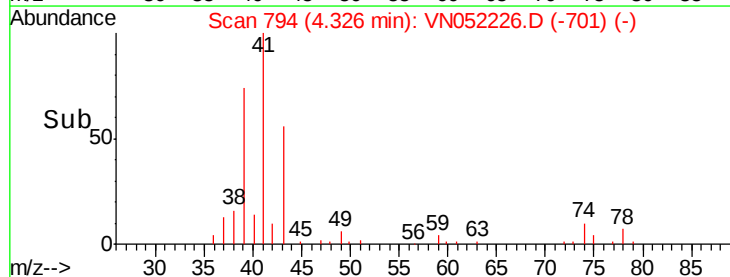
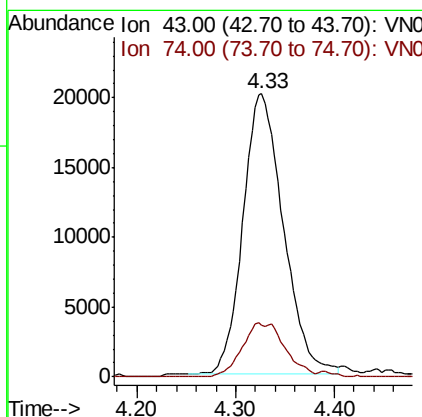
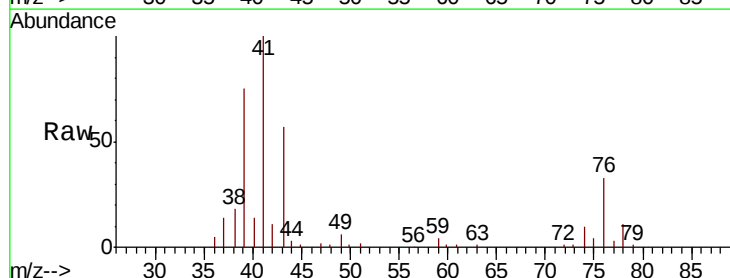
Manual Integrations
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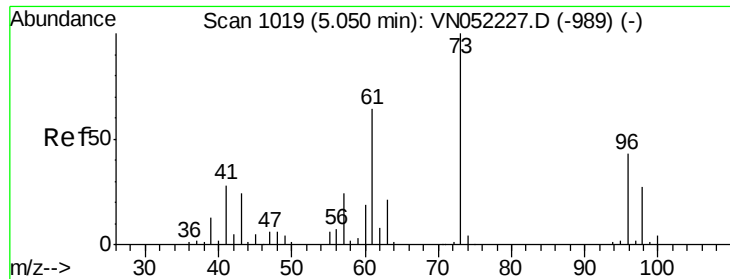
MMDadoda
11/12/2018 9:18:37 AM



#18
Methyl Acetate
Concen: 19.097 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 43 Resp: 57006
Ion Ratio Lower Upper
43 100
74 11.0 16.2 24.2#





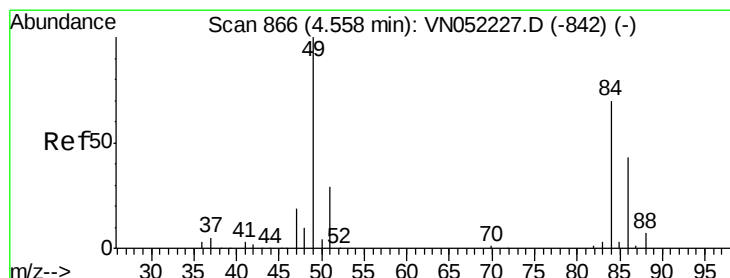
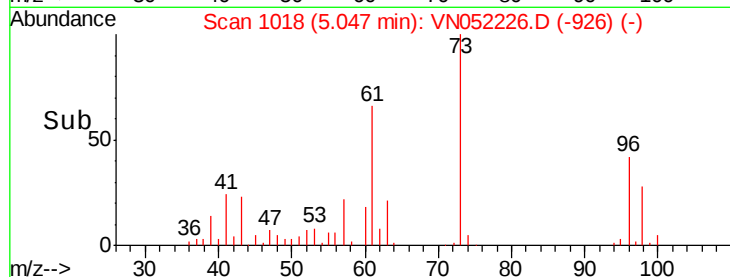
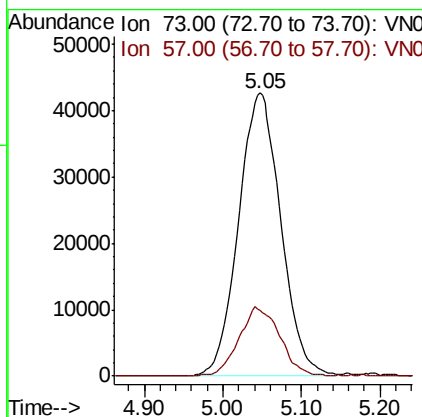
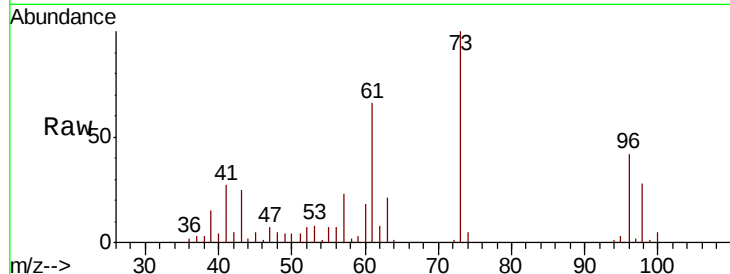
#19
Methyl tert-butyl Ether
Concen: 19.465 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 160975
Ion Ratio Lower Upper
73 100
57 23.1 19.1 28.7

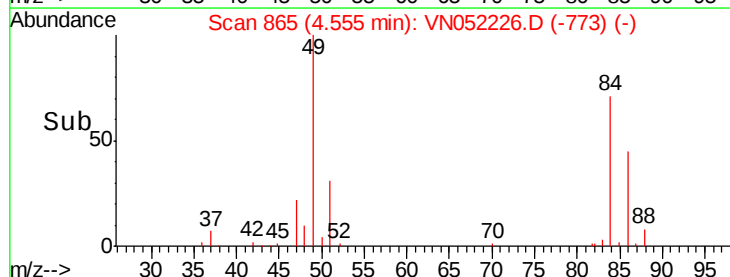
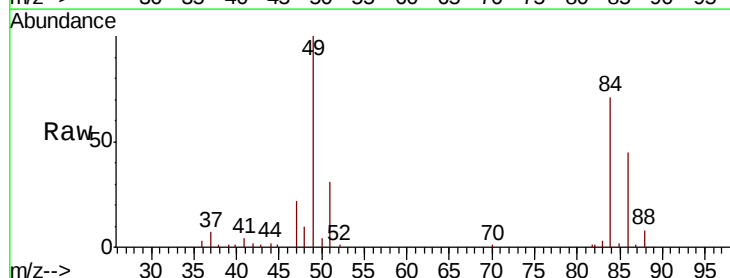
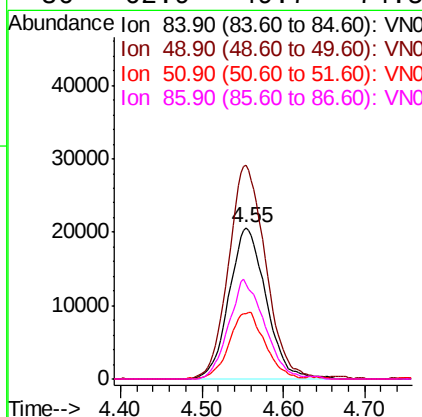
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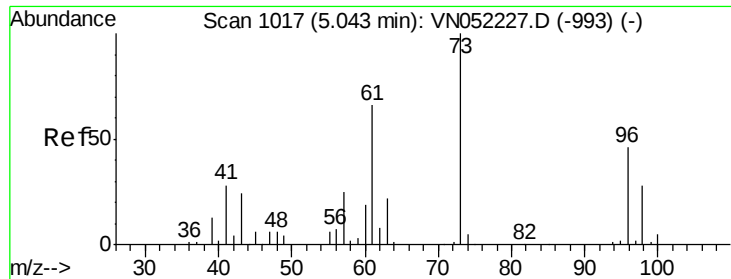
MMDadoda
11/12/2018 9:18:37 AM



#20
Methylene Chloride
Concen: 20.275 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 84 Resp: 65016
Ion Ratio Lower Upper
84 100
49 141.1 114.8 172.2
51 43.1 33.1 49.7
86 62.9 49.7 74.5





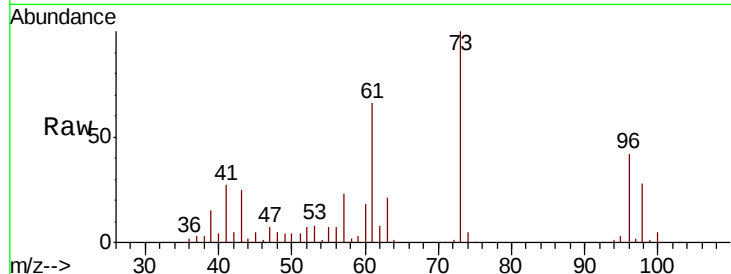
#21
trans-1,2-Dichloroethene
Concen: 19.153 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

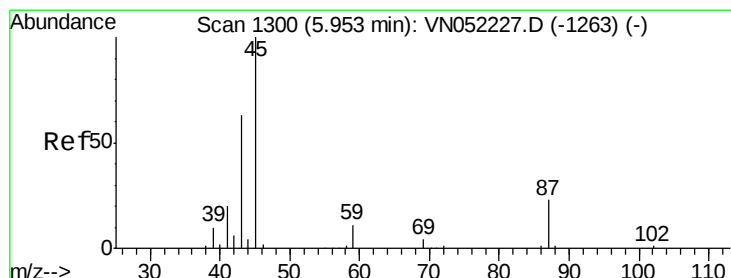
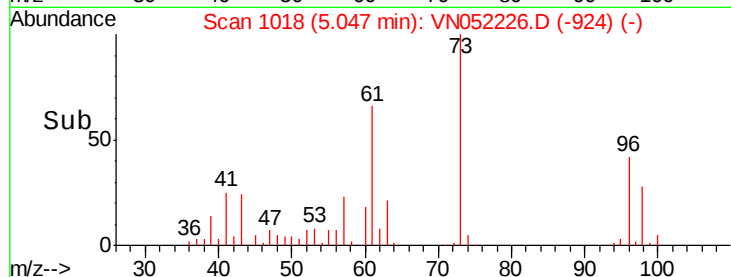
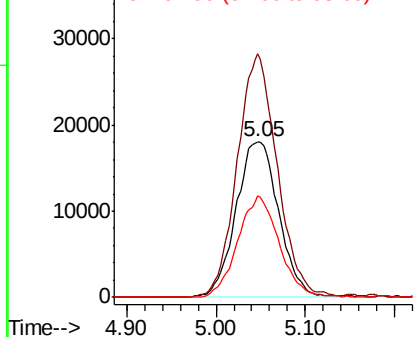
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.2	115.3	172.9
98	65.3	49.5	74.3

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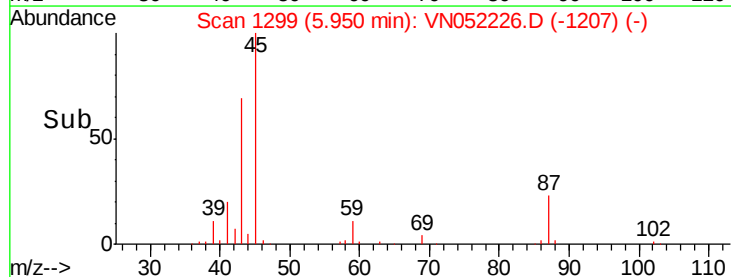
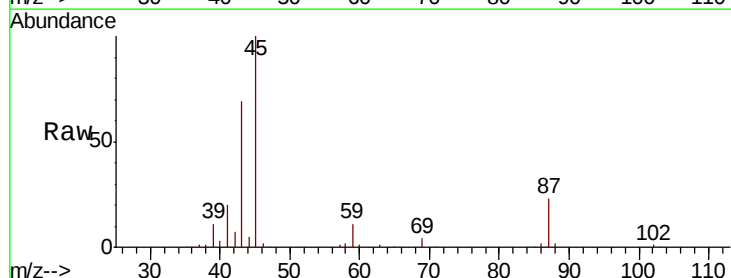
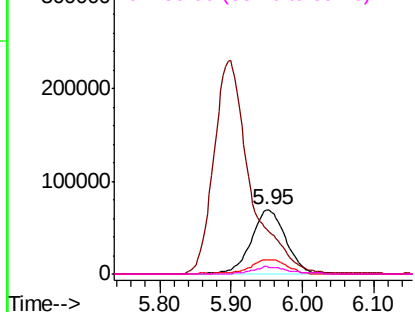
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

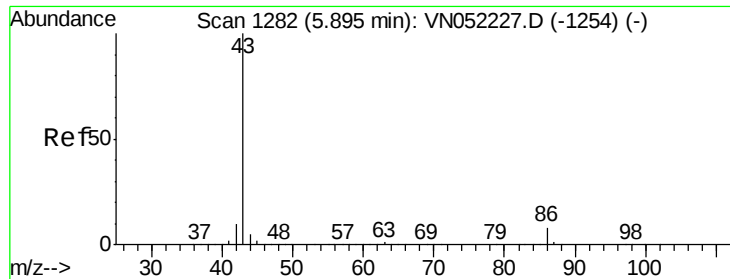


#22
Diisopropyl ether
Concen: 19.195 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.9	50.6	76.0
87	23.0	19.0	28.4
59	10.7	8.6	13.0

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





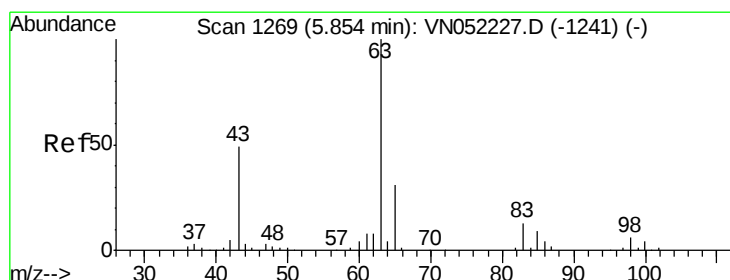
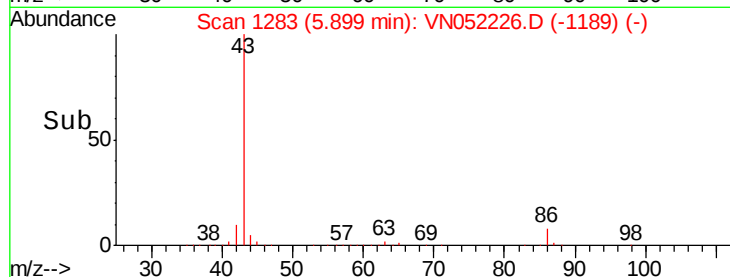
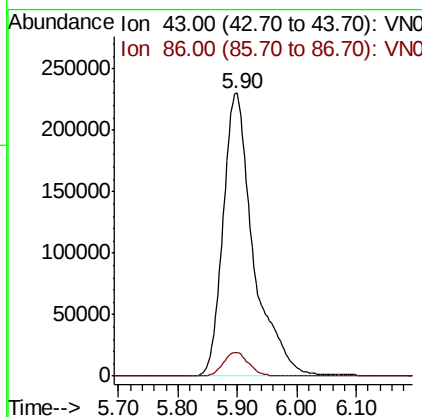
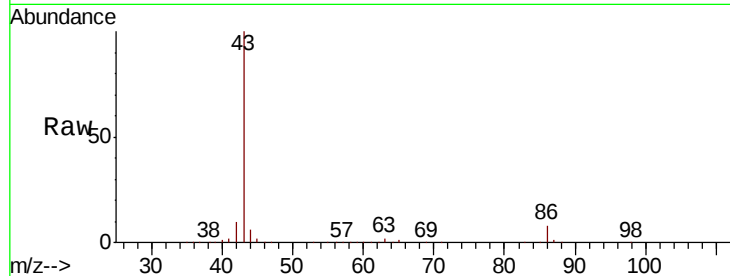
#23
 Vinyl Acetate
 Concen: 97.974 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Tot Ion	43	Resp	816727
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	6.7	10.1

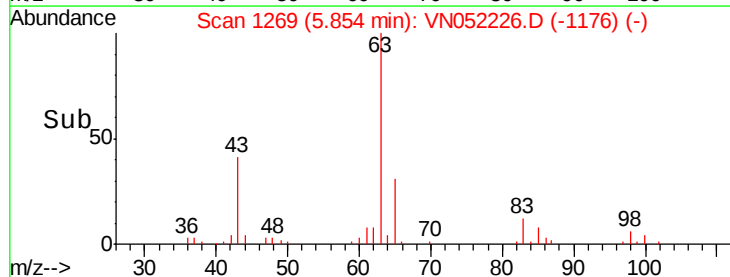
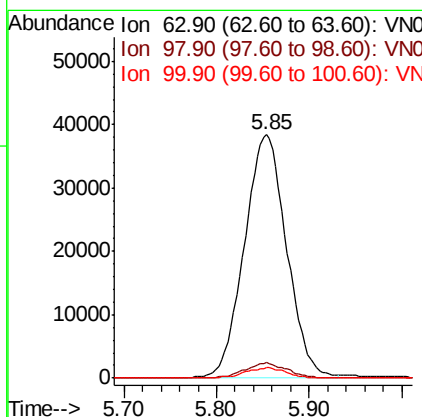
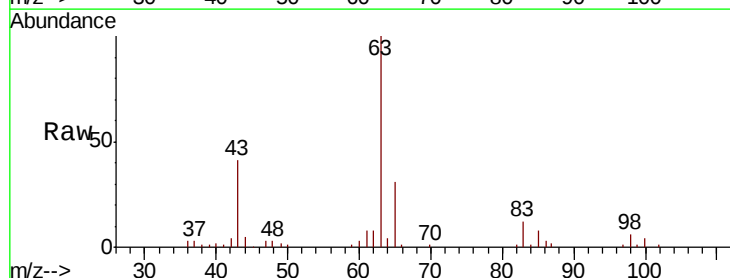
Manual Integrations
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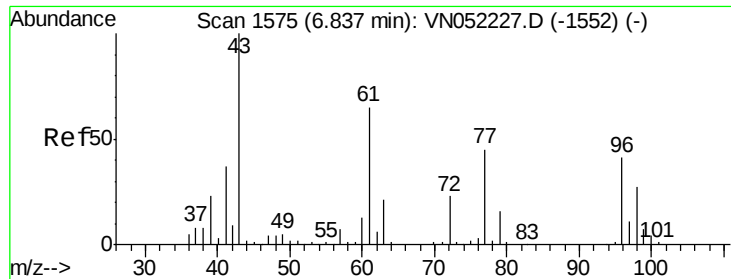
MMDadoda
 11/12/2018 9:18:37 AM



#24
 1,1-Dichloroethane
 Concen: 18.965 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion	63	Resp	121690
Ion Ratio	100	Lower	Upper
63	100		
98	6.3	2.9	8.6
100	4.3	2.1	6.2





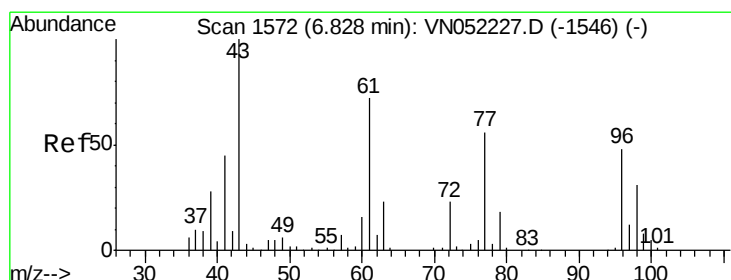
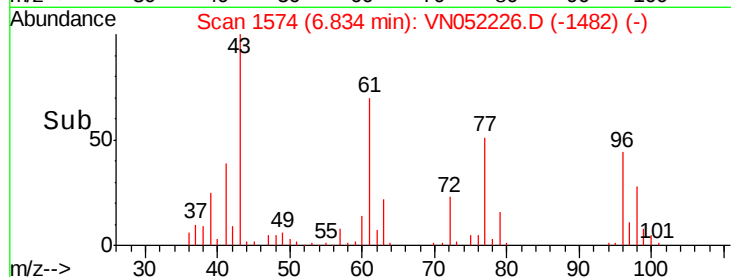
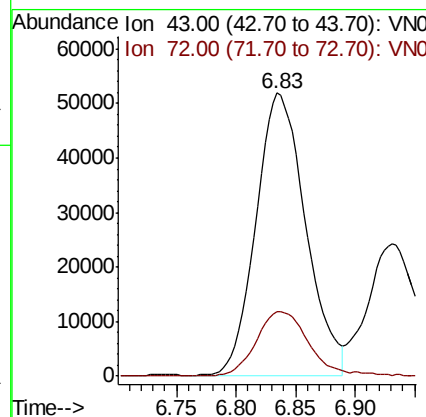
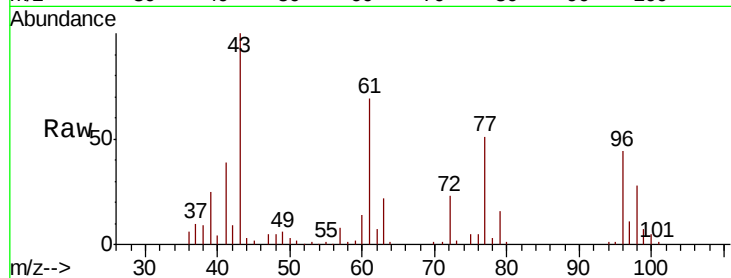
#25
2-Butanone
Concen: 93.486 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 151009
Ion Ratio Lower Upper
43 100
72 22.7 18.6 27.8

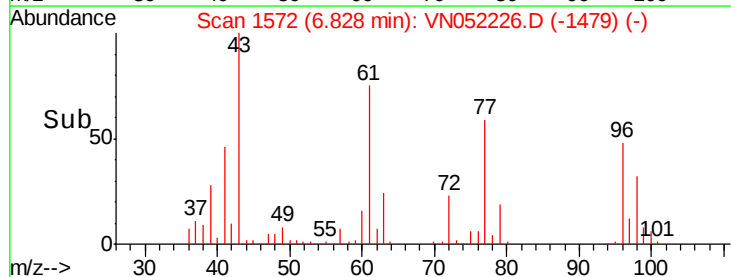
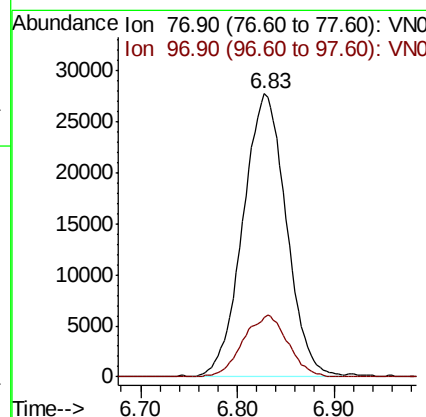
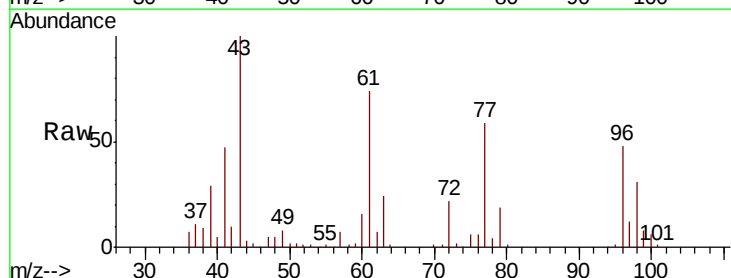
Manual Integrations
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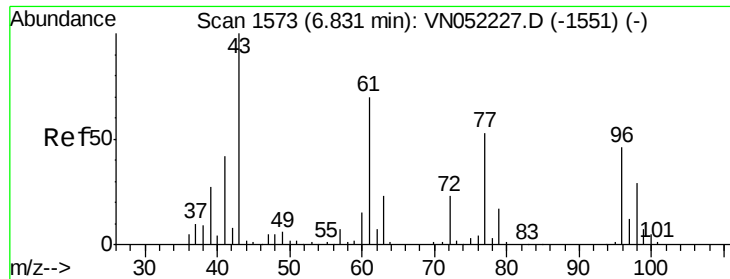
MMDadoda
11/12/2018 9:18:37 AM



#26
2,2-Dichloropropane
Concen: 18.450 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 77 Resp: 86467
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.343 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

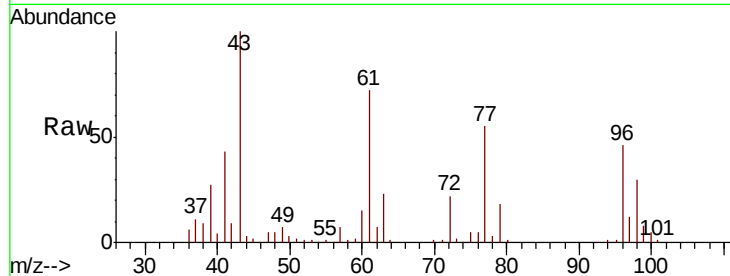
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	68116
Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	313.4
98	63.4	0.0	129.8

Manual Integrations
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MMDadoda
11/12/2018 9:18:37 AM

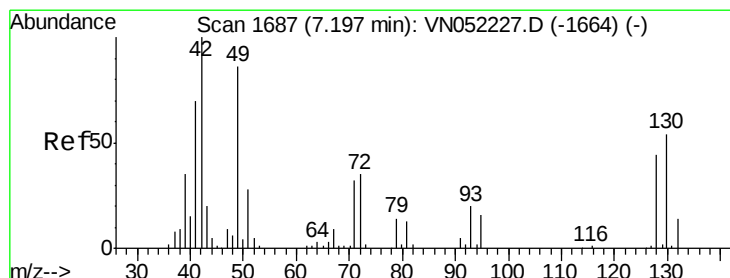
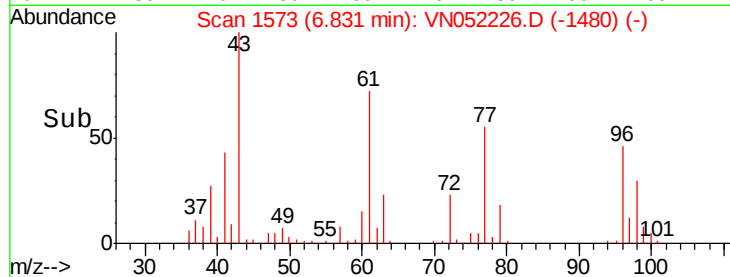
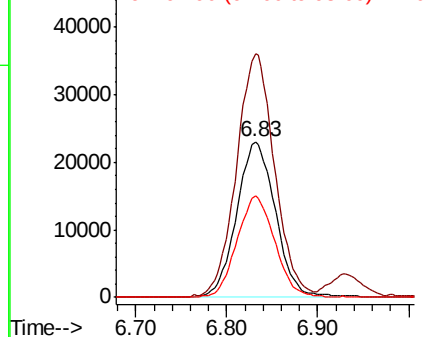


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.639 ug/l

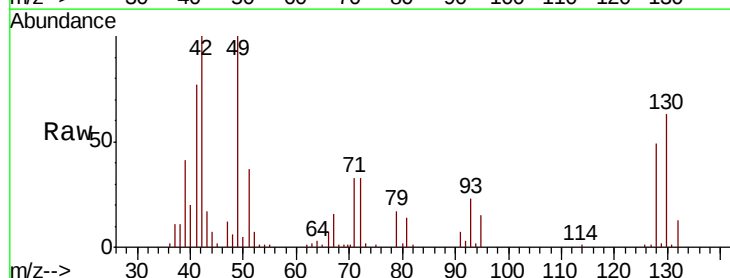
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Tgt Ion:	49	Resp:	62269
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.8
130	64.0	51.4	77.2

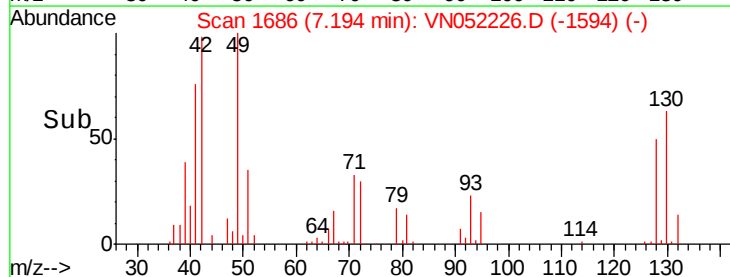
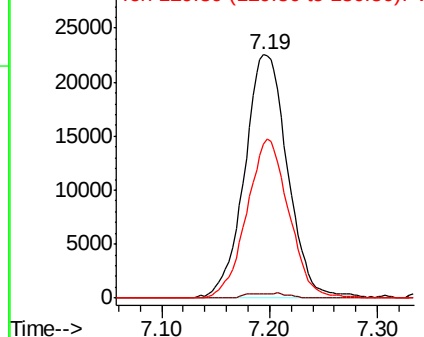


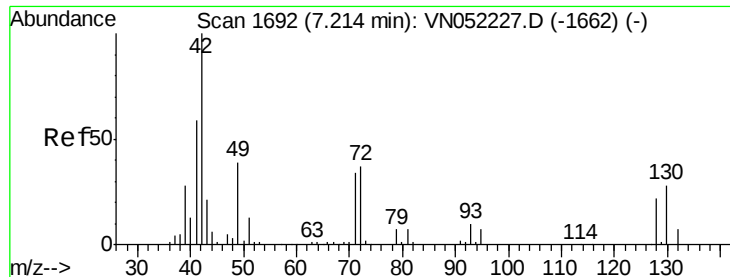
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





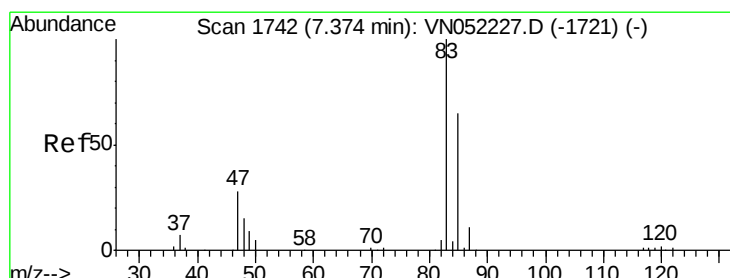
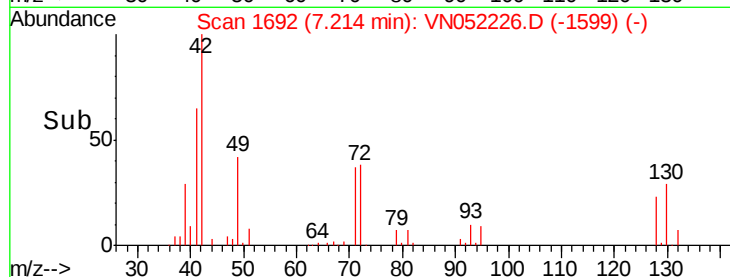
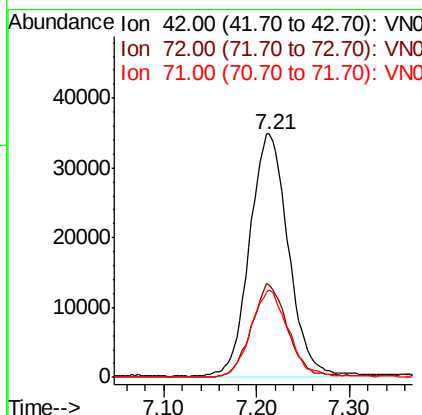
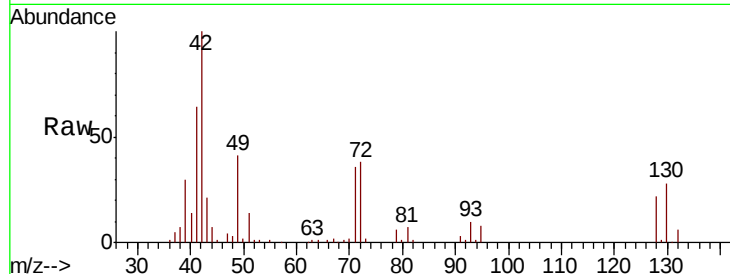
#29
Tetrahydrofuran
Concen: 97.953 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	28.6	43.0
71	34.6	27.1	40.7

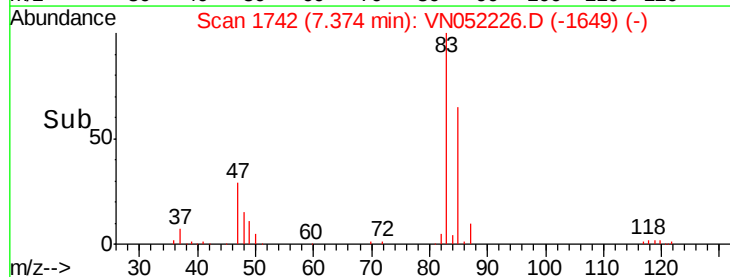
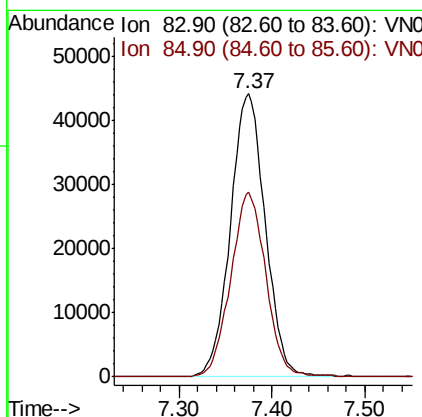
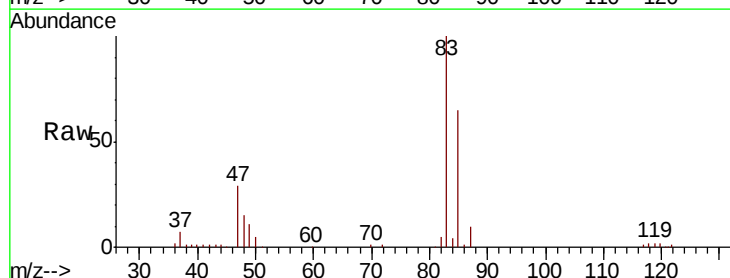
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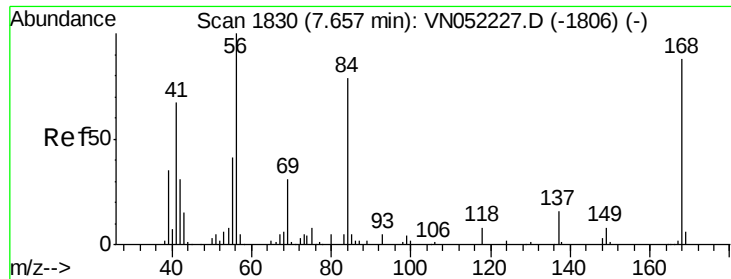
MMDadoda
11/12/2018 9:18:37 AM



#30
Chloroform
Concen: 18.957 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.6





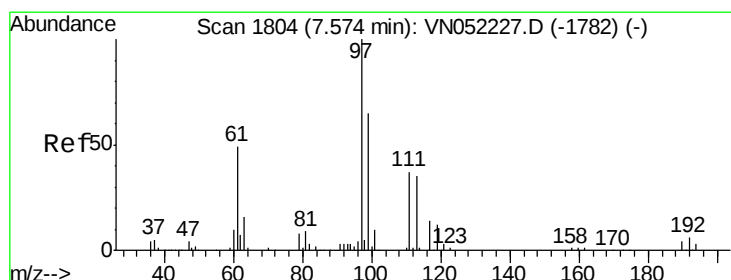
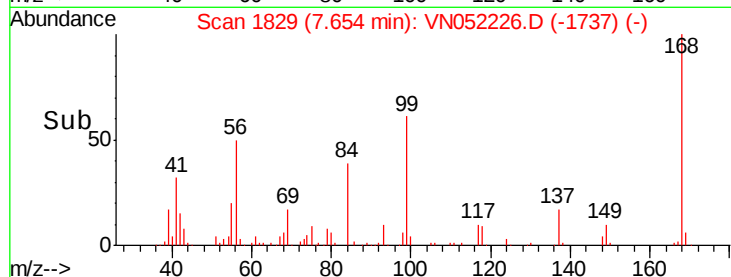
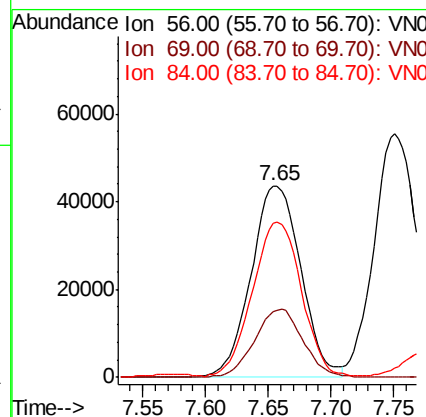
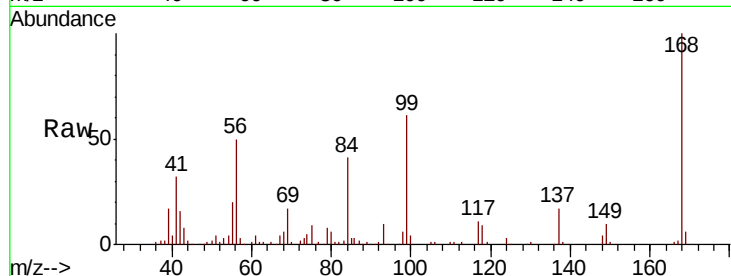
#31
Cyclohexane
Concen: 16.214 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	24.8	37.2
84	79.3	63.1	94.7

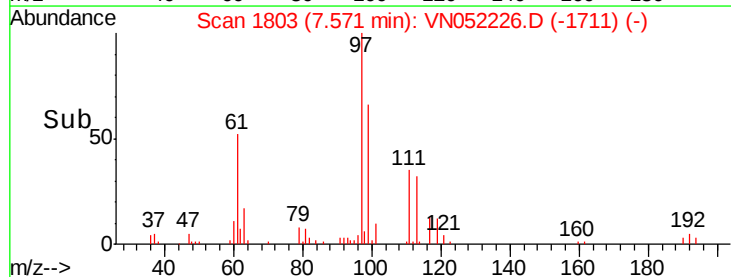
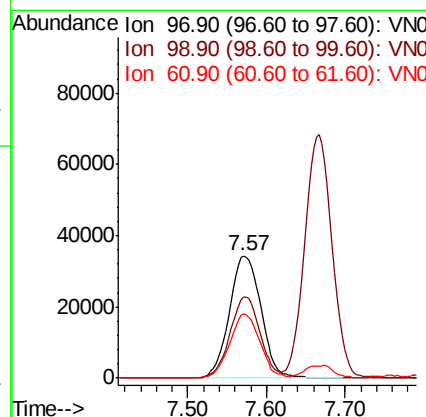
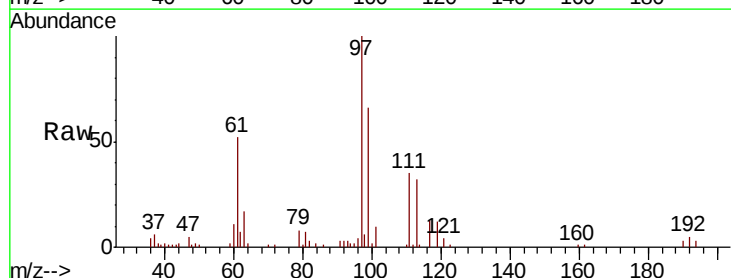
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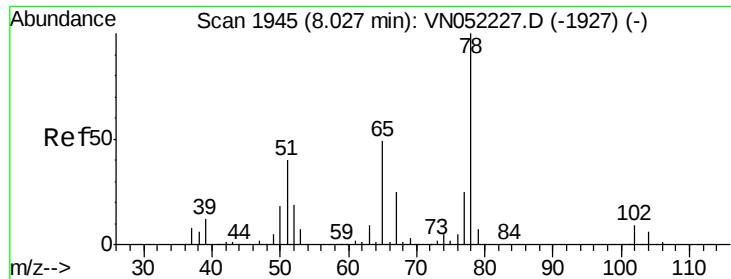
MMDadoda
11/12/2018 9:18:37 AM



#32
1,1,1-Trichloroethane
Concen: 19.306 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.9	77.9
61	50.4	40.2	60.4





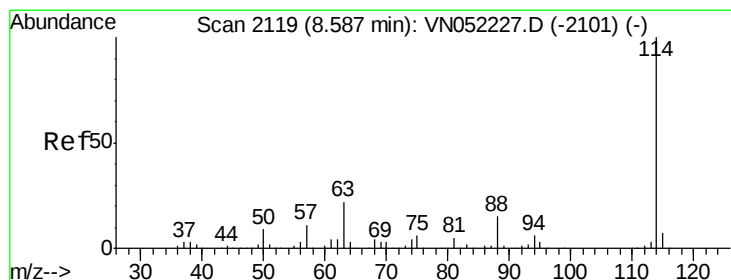
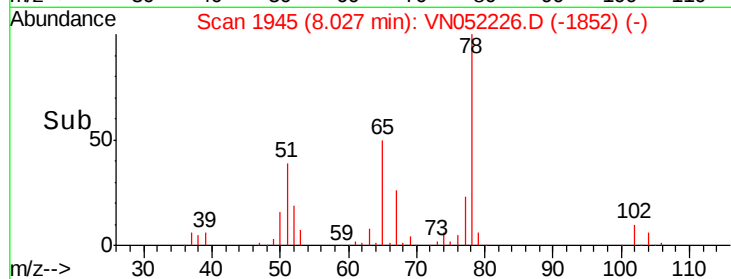
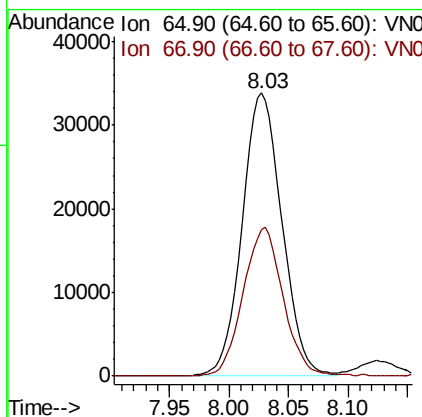
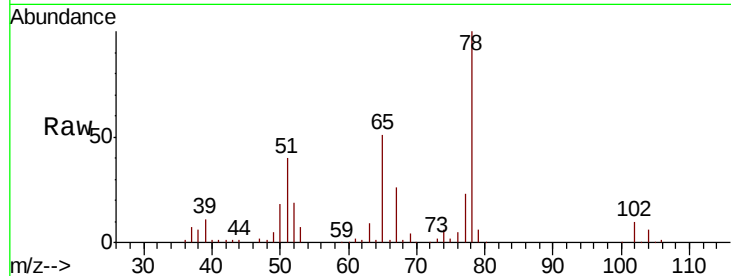
#33
 1,2-Dichloroethane-d4
 Concen: 19.306 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 78472
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.6

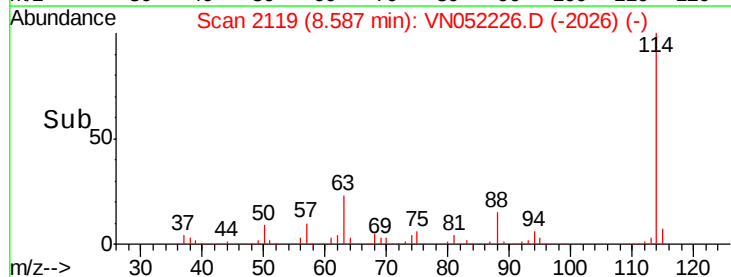
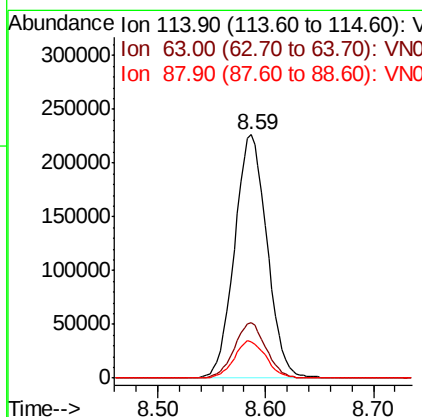
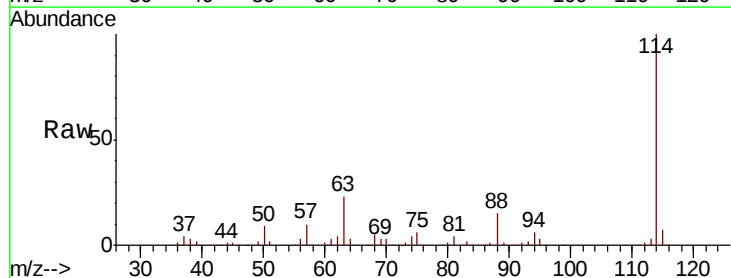
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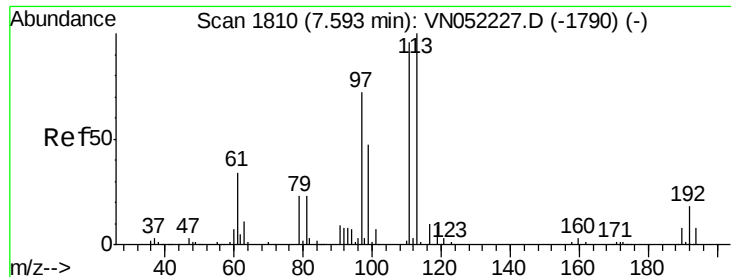
MMDadoda
 11/12/2018 9:18:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 114 Resp: 474677
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 14.9 0.0 30.2





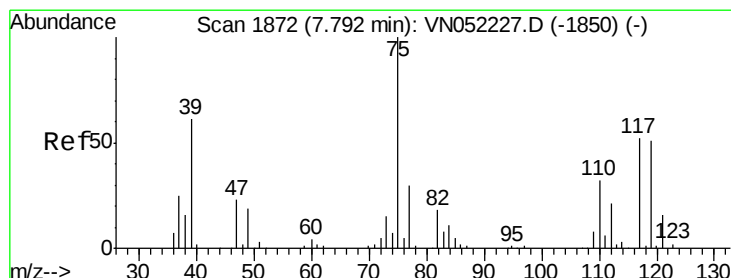
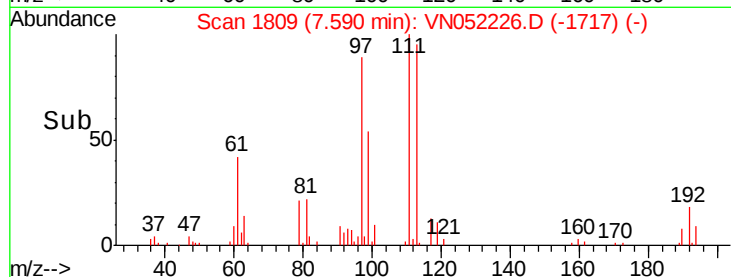
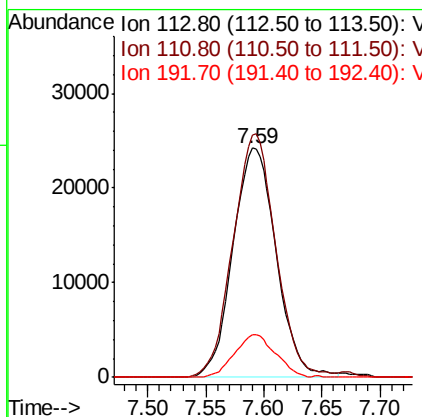
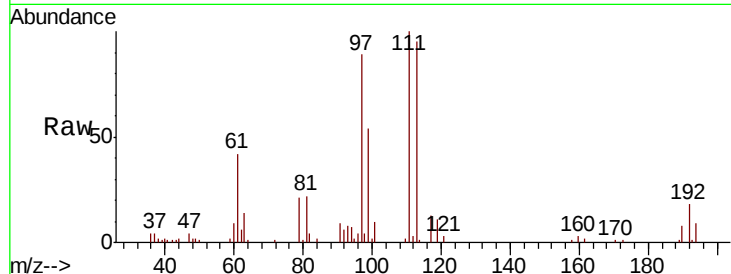
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	80.2	120.4
192	17.6	14.1	21.1

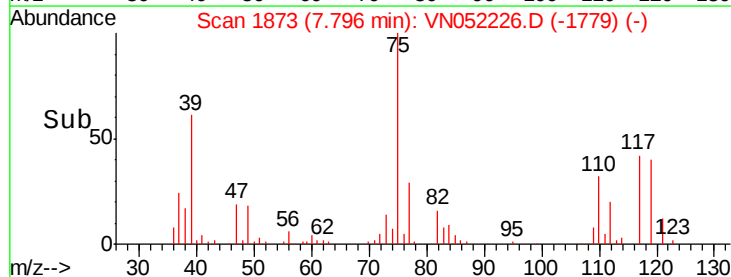
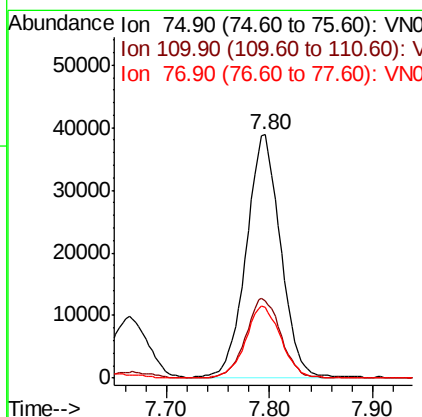
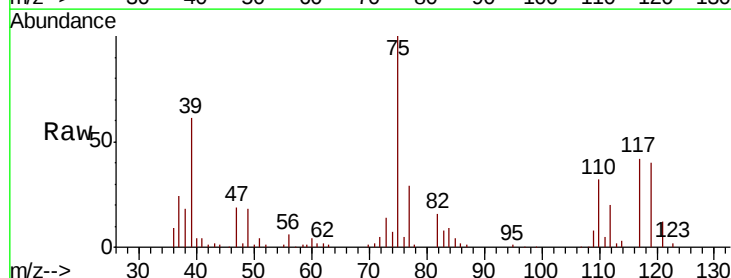
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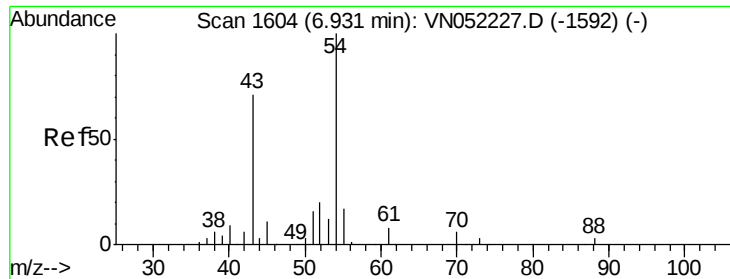
MMDadoda
 11/12/2018 9:18:37 AM



#36
 1,1-Dichloropropene
 Concen: 18.819 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.4	49.4
77	30.5	23.9	35.9





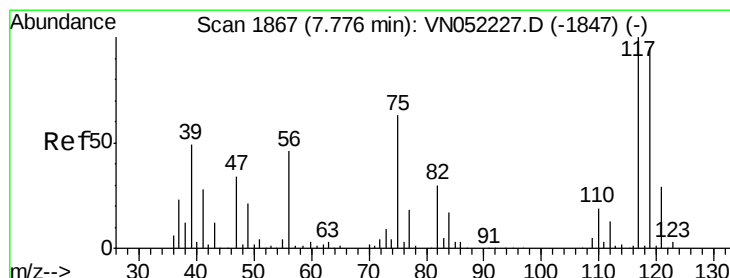
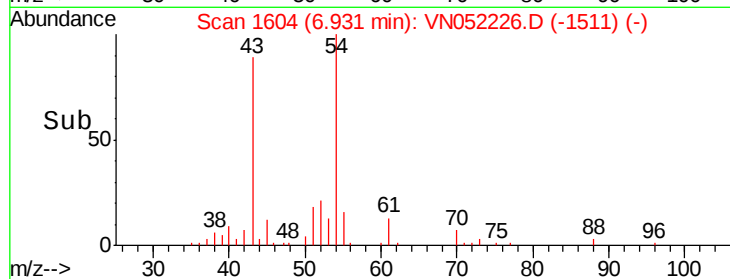
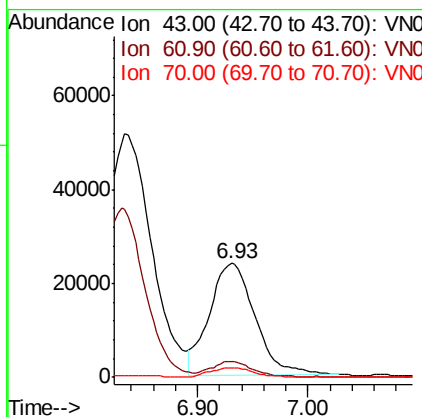
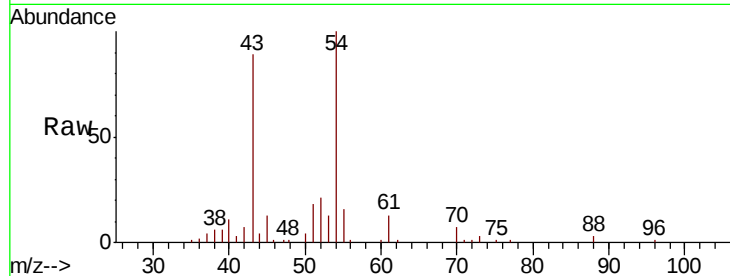
#37
Ethyl Acetate
Concen: 19.529 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	69037
Ion Ratio	100	Lower	Upper
43	100		
61	11.2	10.0	15.0
70	7.8	6.9	10.3

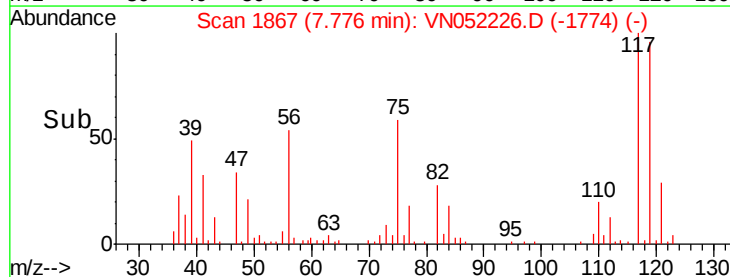
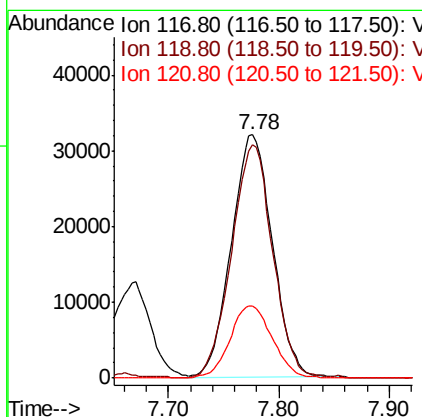
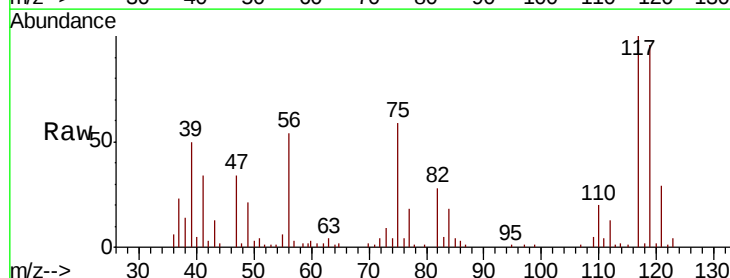
Manual Integrations
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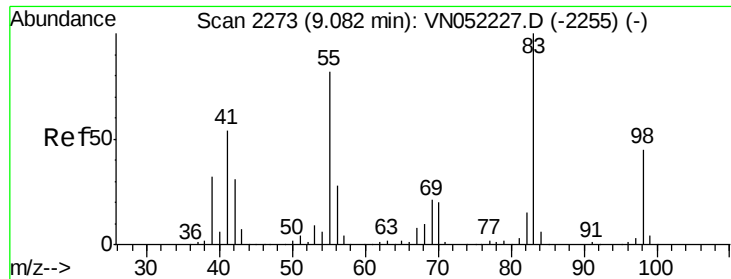
MMDadoda
11/12/2018 9:18:37 AM



#38
Carbon Tetrachloride
Concen: 18.997 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	117	Resp	82481
Ion Ratio	100	Lower	Upper
117	100		
119	96.1	75.8	113.8
121	29.6	23.4	35.2





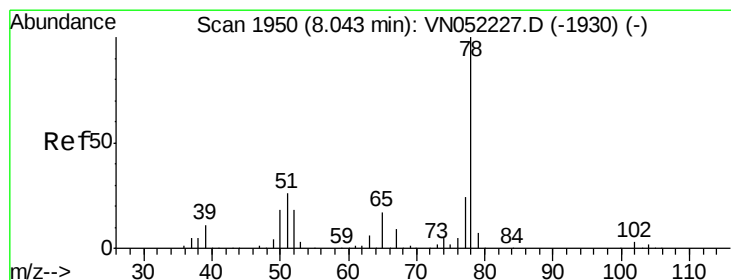
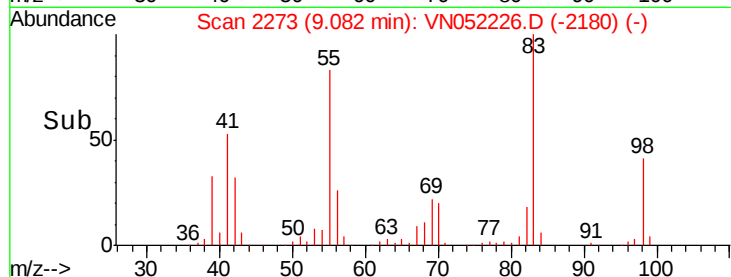
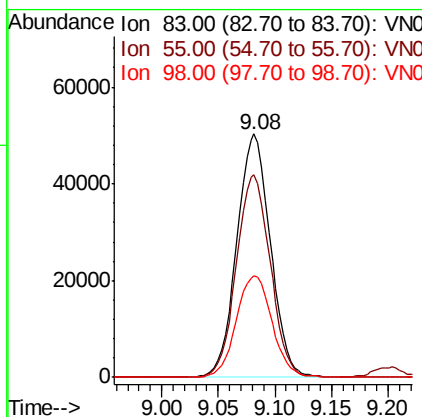
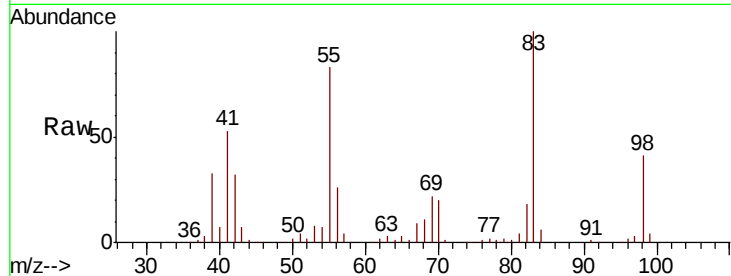
#39
Methvlcvclohexane
Concen: 19.058 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	65.2	97.8
98	41.5	36.3	54.5

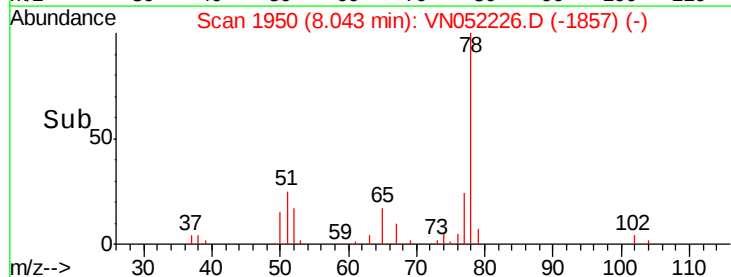
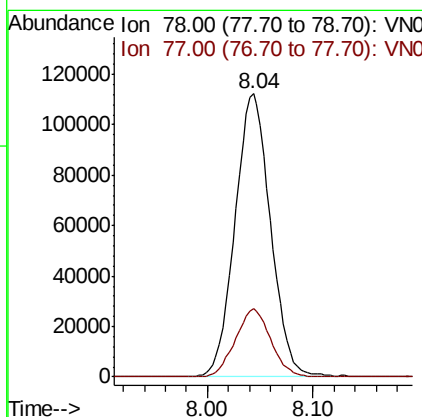
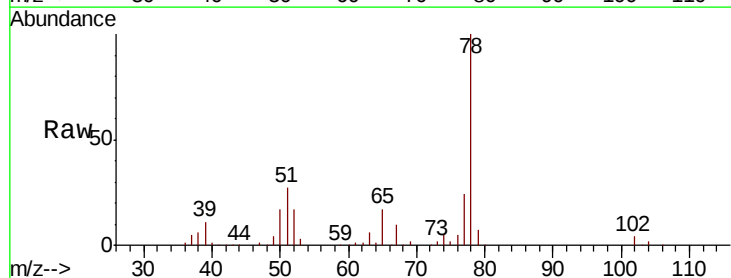
Manual Integrations
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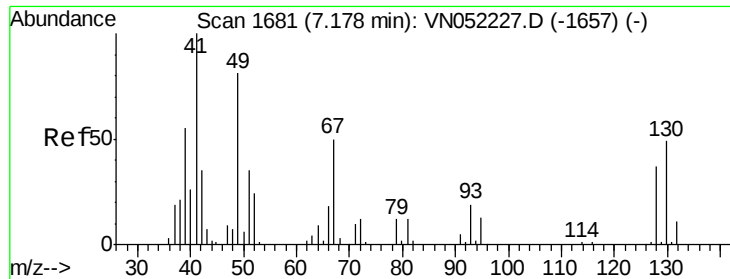
MMDadoda
11/12/2018 9:18:37 AM



#40
Benzene
Concen: 19.152 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





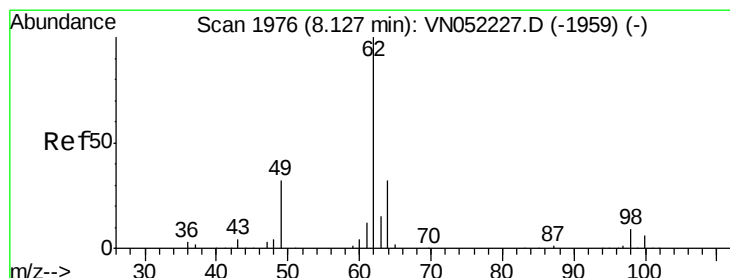
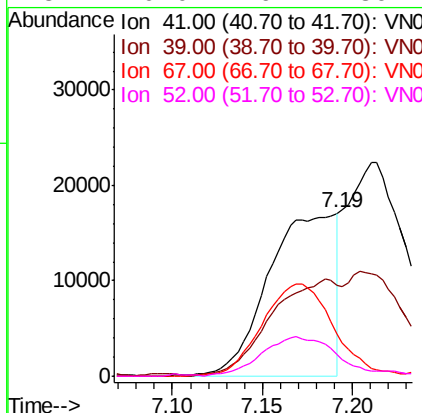
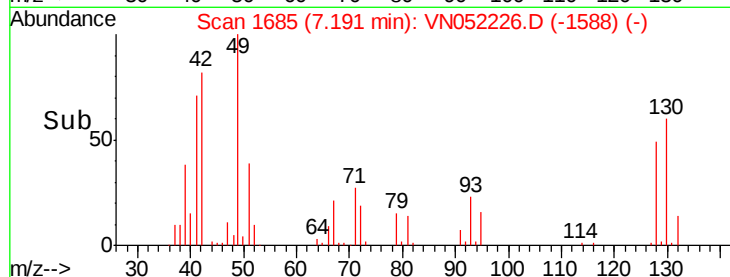
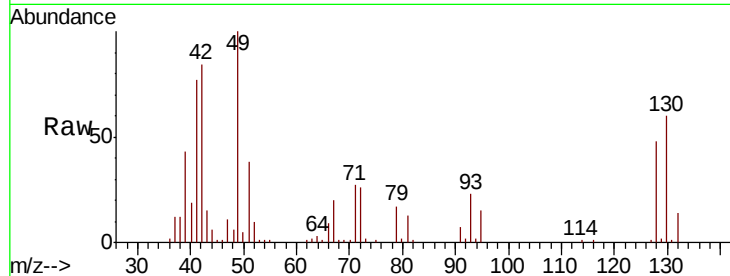
#41
Methacrylonitrile
Concen: 23.821 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.8	71.6#
67	0.0	54.3	81.5#
52	0.0	26.2	39.4#

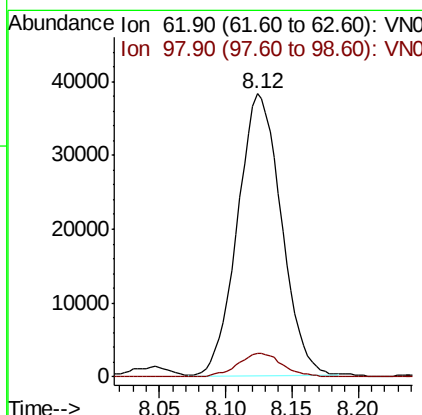
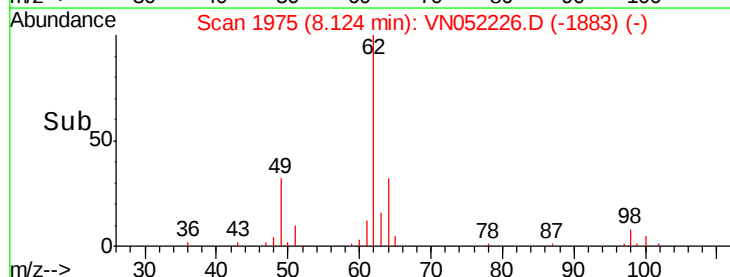
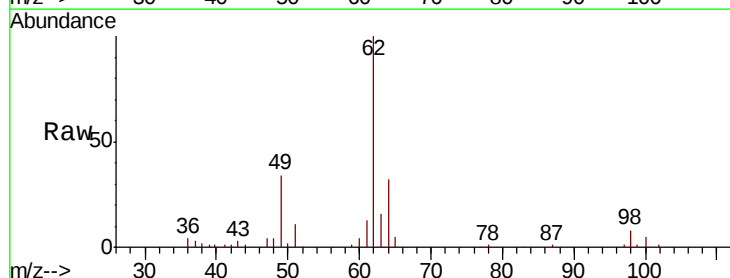
Manual Integrations
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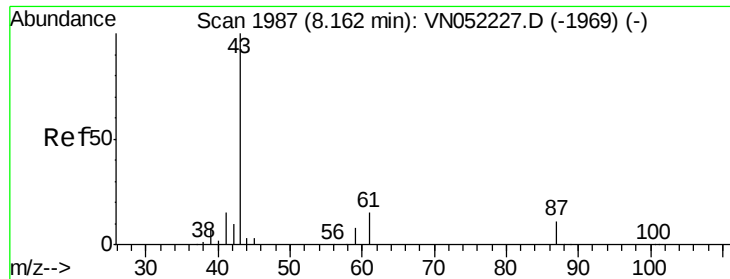
MMDadoda
11/12/2018 9:18:37 AM



#42
1,2-Dichloroethane
Concen: 18.220 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





#43

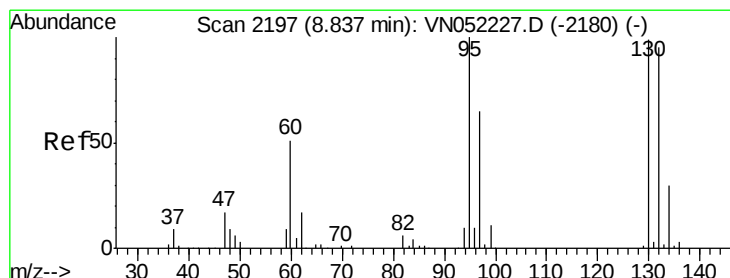
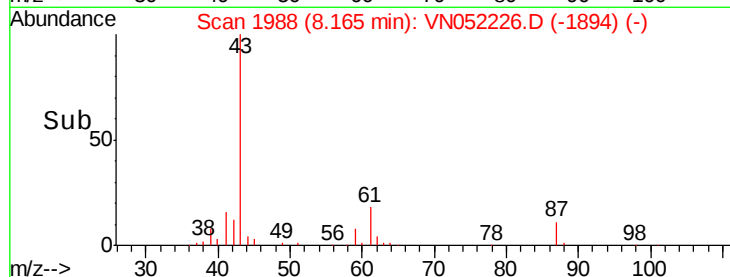
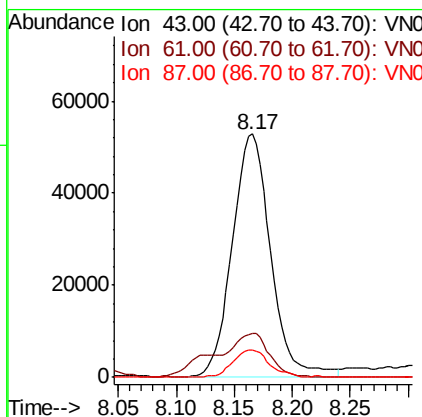
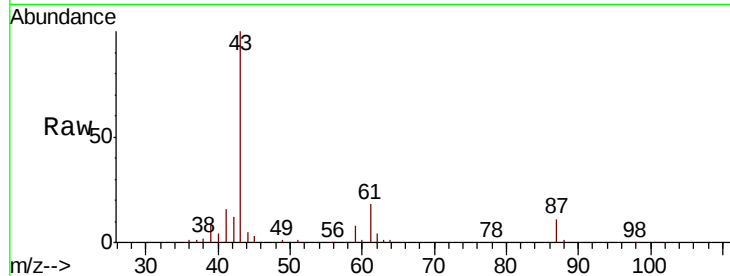
Isopropyl Acetate
 Concen: 19.217 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	43	Resp:	120703
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.2	21.4
87	10.9	8.4	12.6

Manual Integrations
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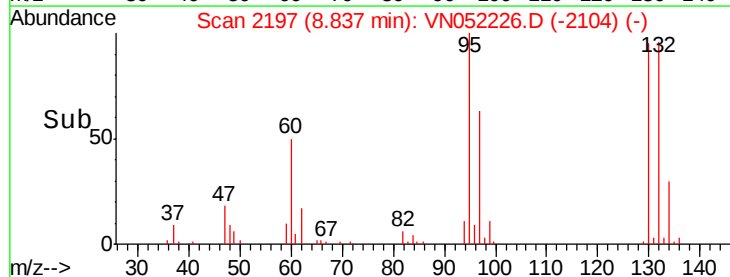
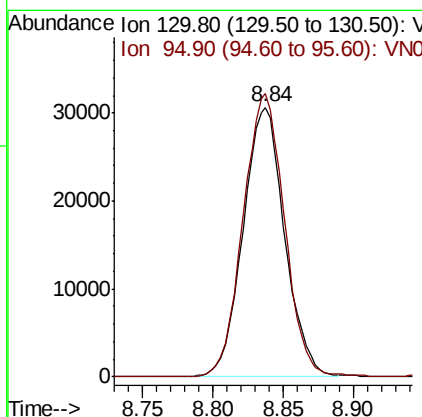
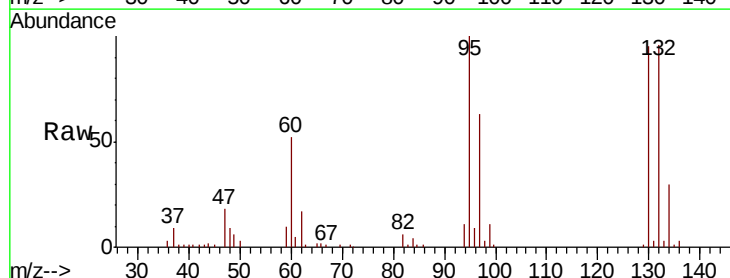
MMDadoda
 11/12/2018 9:18:37 AM

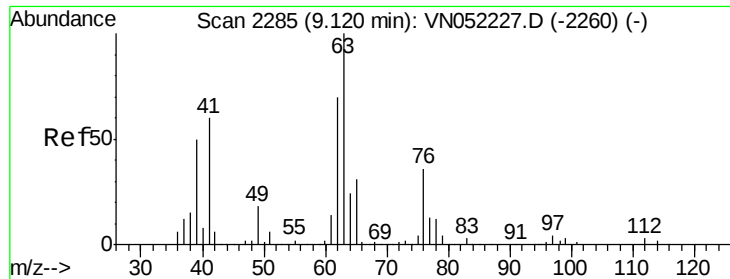


#44

Trichloroethene
 Concen: 18.399 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion:	130	Resp:	63246
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	201.6





#45

1,2-Dichloropropane

Concen: 19.174 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 73481

Ion Ratio Lower Upper

63 100

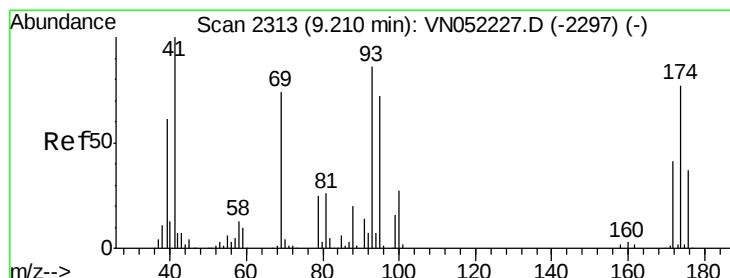
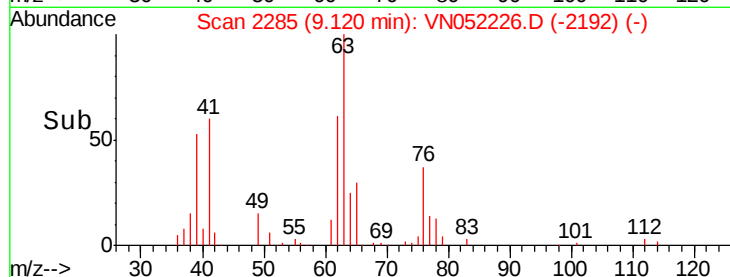
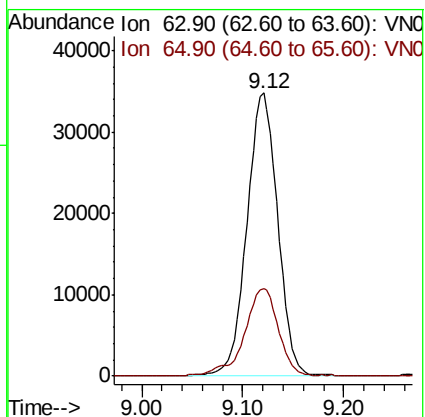
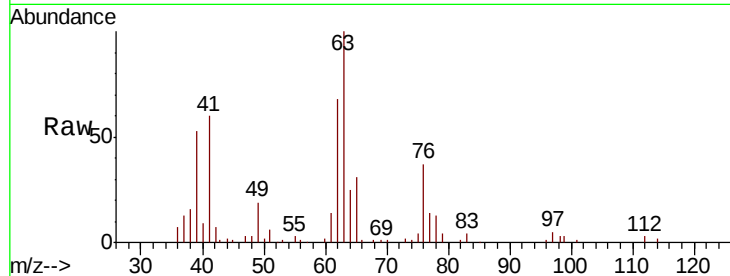
65 31.1 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 19.472 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

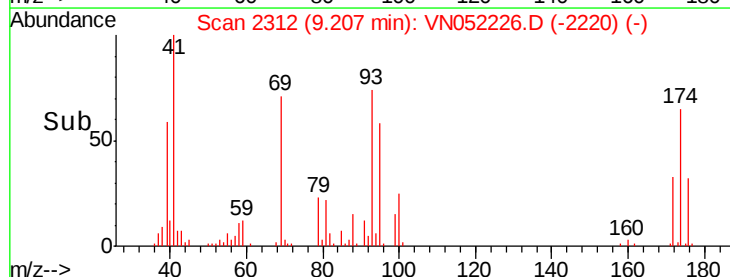
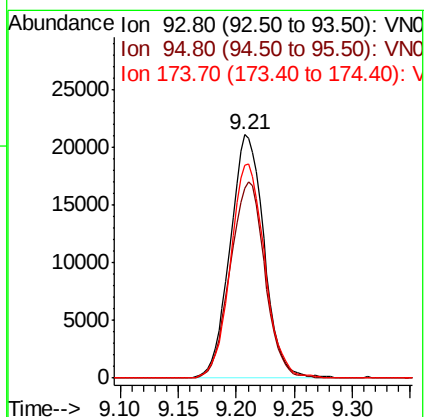
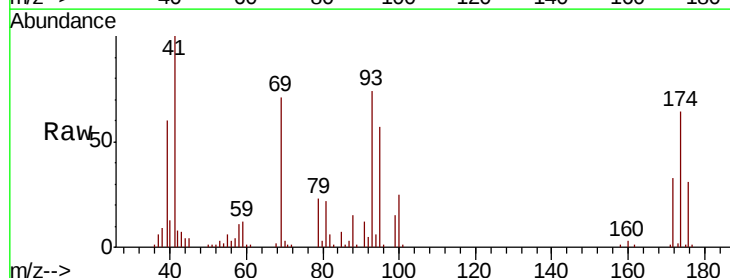
Tgt Ion: 93 Resp: 42863

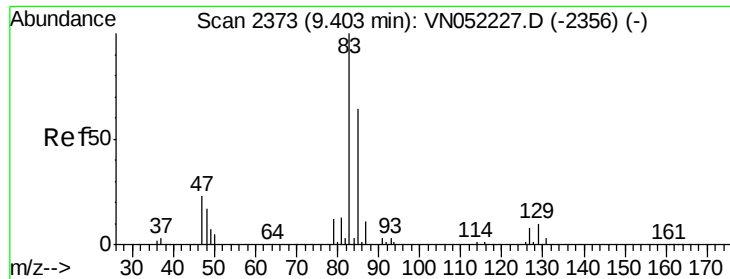
Ion Ratio Lower Upper

93 100

95 81.7 67.0 100.4

174 88.0 72.1 108.1





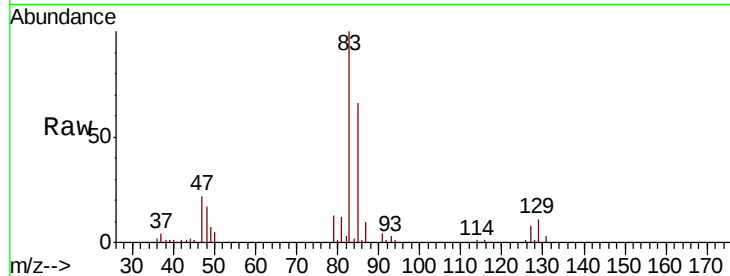
#47
Bromodichloromethane
Concen: 18.831 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

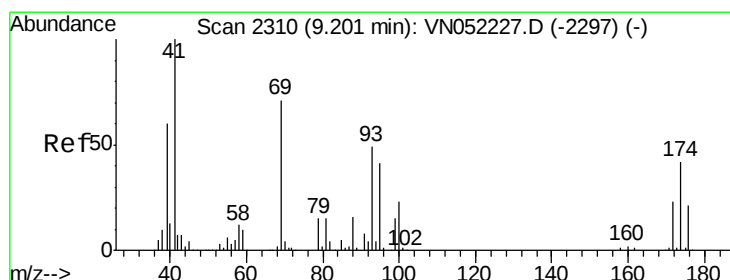
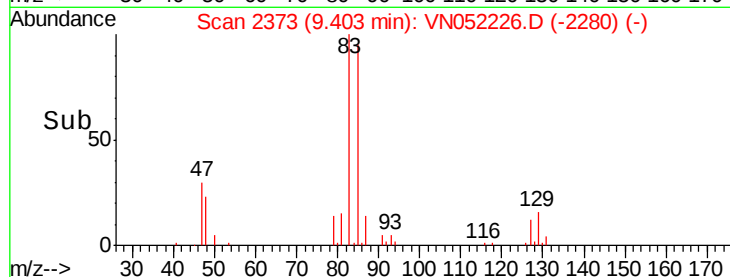
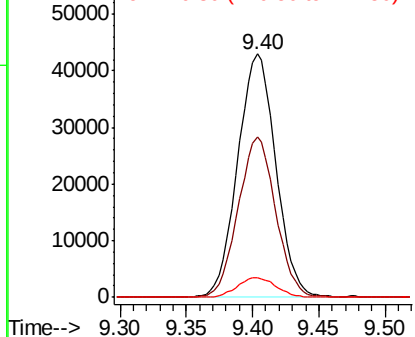
Tot Ion	83	Resp	85885
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.2	76.8
127	8.1	6.2	9.4

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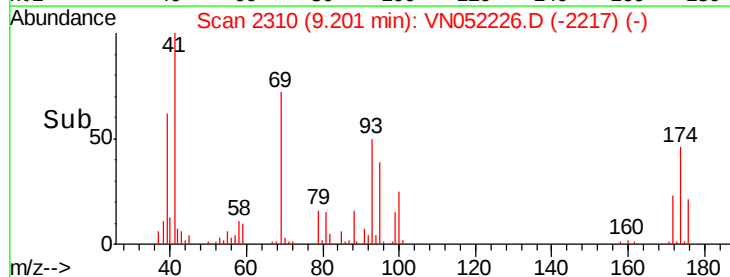
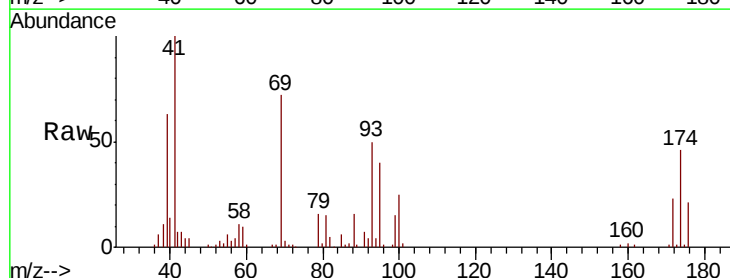
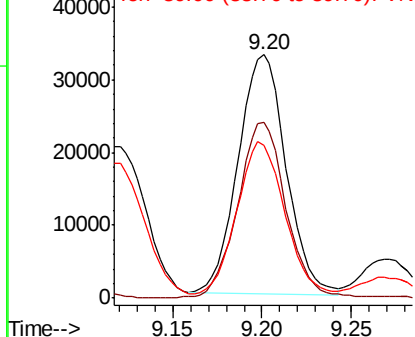
Abundance Ion 82.90 (82.60 to 83.60): VN052226.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN052226.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN052226.D (-2280) (-)

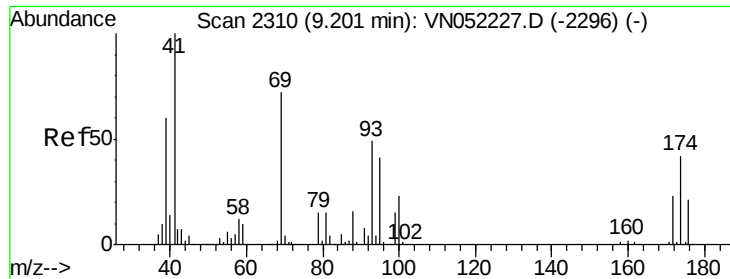


#48
Methyl methacrylate
Concen: 18.646 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	41	Resp	61710
Ion Ratio	100	Lower	Upper
41	100		
69	74.5	58.8	88.2
39	63.0	50.7	76.1

Abundance Ion 41.00 (40.70 to 41.70): VN052226.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN052226.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN052226.D (-2217) (-)





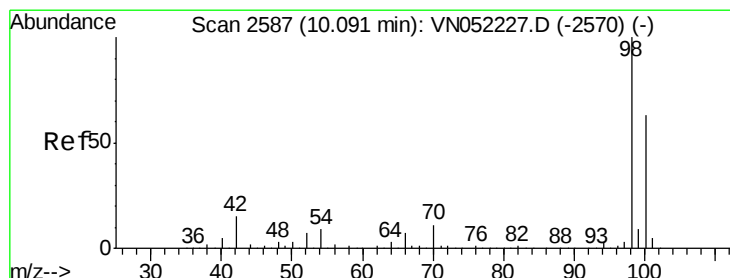
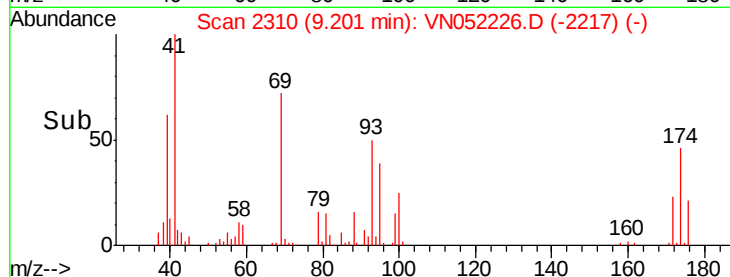
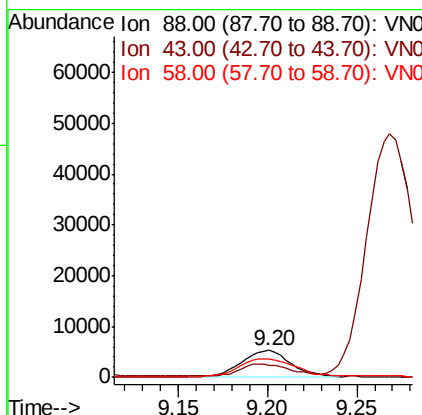
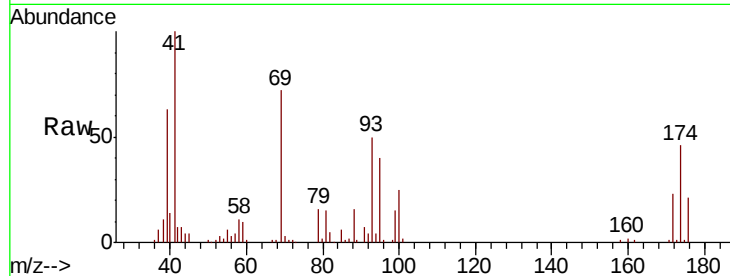
#49
1,4-Dioxane
Concen: 391.809 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	10424
Ion Ratio	Lower	Upper	
88	100		
43	42.6	32.5	48.7
58	79.8	58.2	87.4

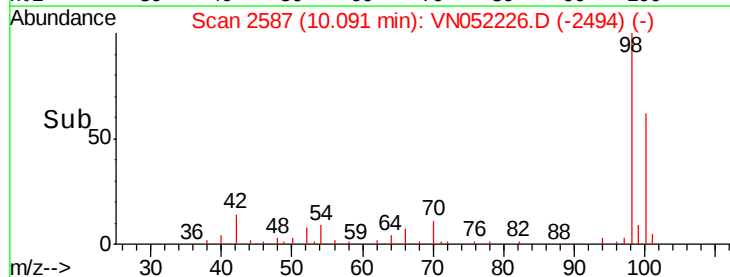
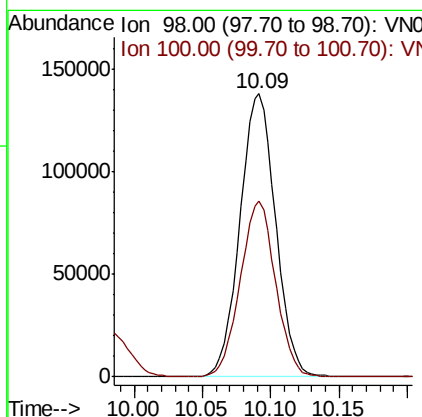
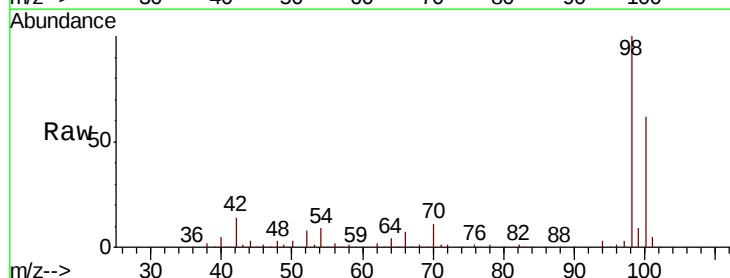
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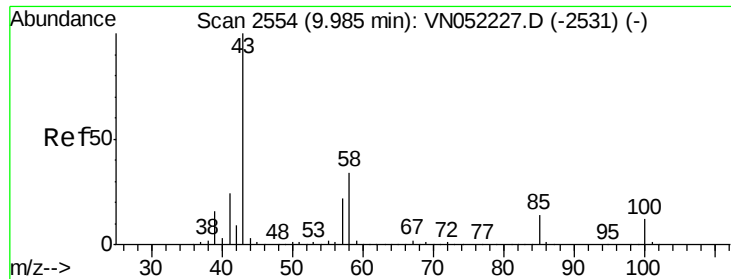
MMDadoda
11/12/2018 9:18:37 AM



#50
Toluene-d8
Concen: 391.809 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	98	Resp	250184
Ion Ratio	Lower	Upper	
98	100		
100	61.1	50.2	75.2





#51

4-Methyl-2-Pentanone

Concen: 97.995 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 339925

Ion Ratio Lower Upper

43 100

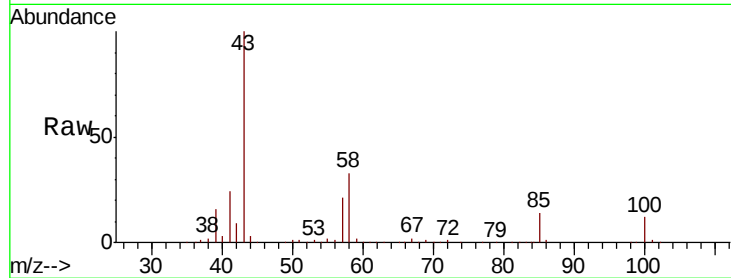
58 34.5 27.4 41.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

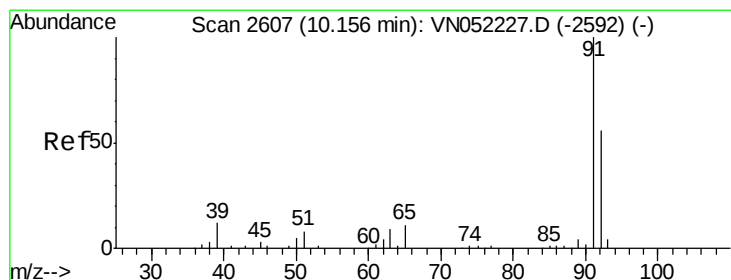
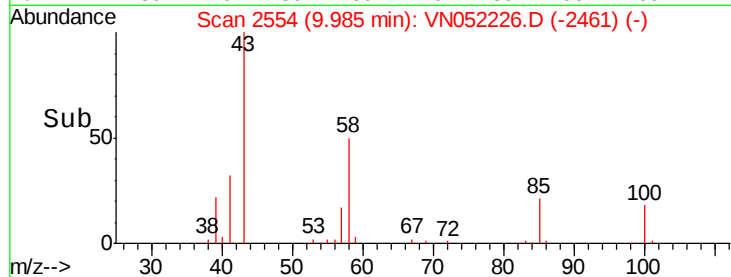
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.081 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052226.D

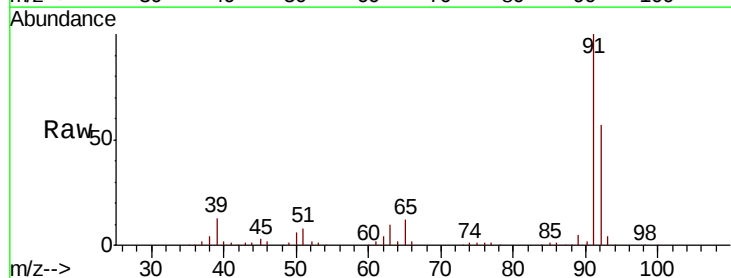
Acq: 9 Nov 2018 14:33

Tgt Ion: 92 Resp: 157891

Ion Ratio Lower Upper

92 100

91 176.4 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

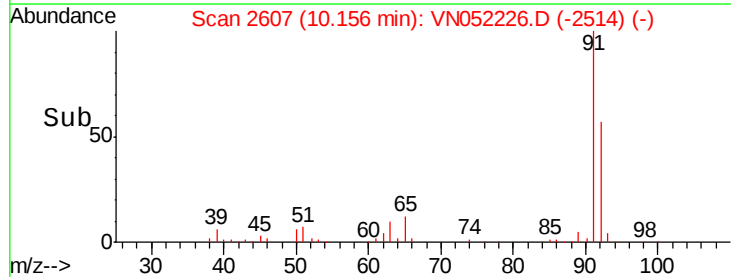
150000

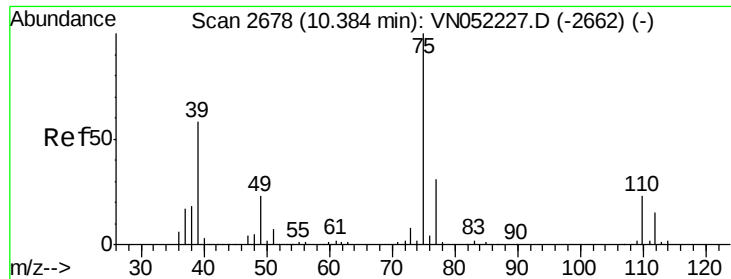
100000

50000

0

Time-->





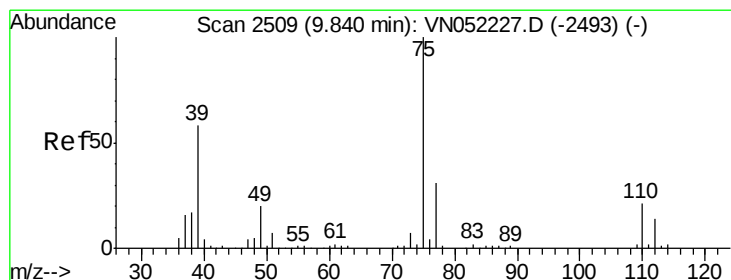
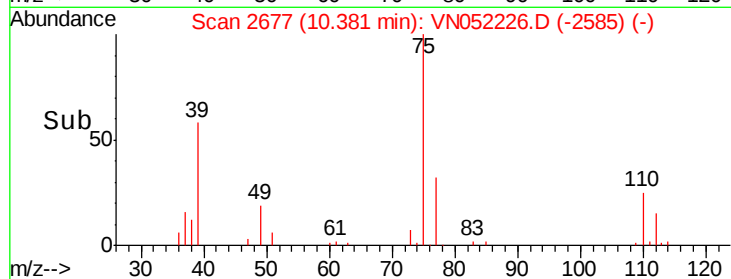
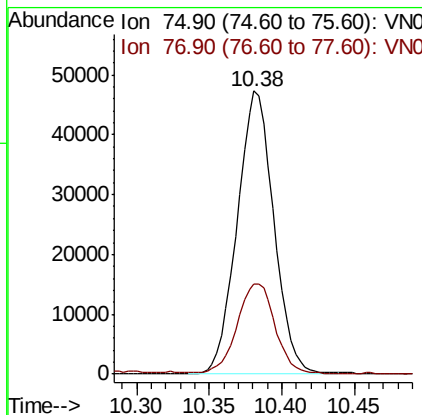
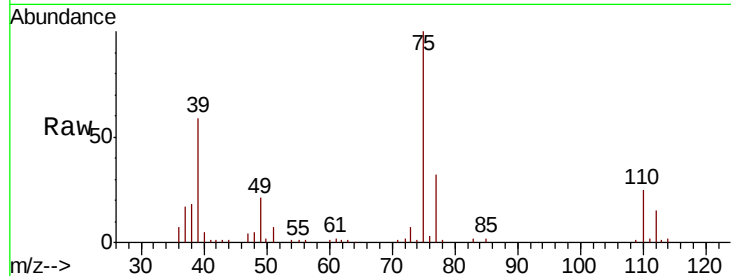
#53
t-1,3-Dichloropropene
Concen: 18.512 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 83317
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8

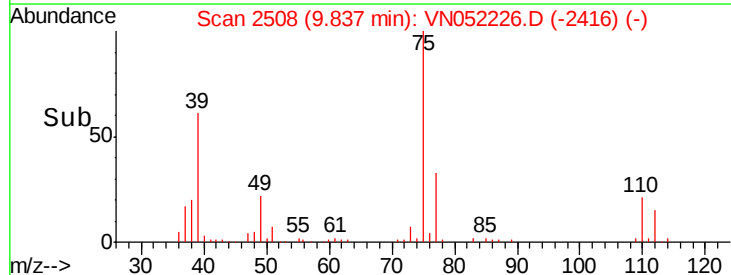
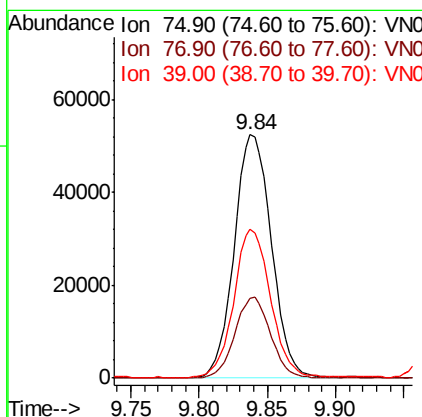
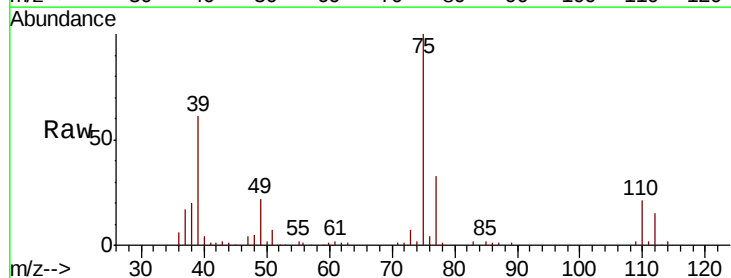
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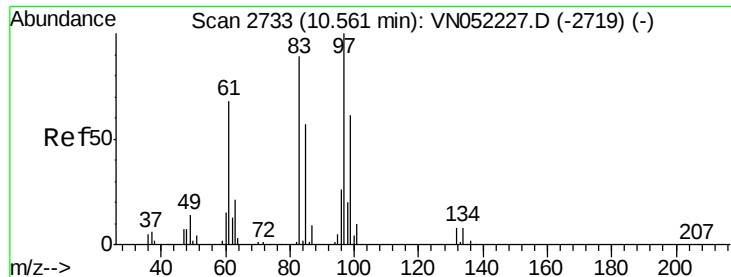
MMDadoda
11/12/2018 9:18:37 AM



#54
cis-1,3-Dichloropropene
Concen: 18.705 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 75 Resp: 99378
Ion Ratio Lower Upper
75 100
77 33.0 25.2 37.8
39 60.7 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 19.151 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 57278

Ion Ratio Lower Upper

97 100

83 90.2 71.2 106.8

85 59.3 45.6 68.4

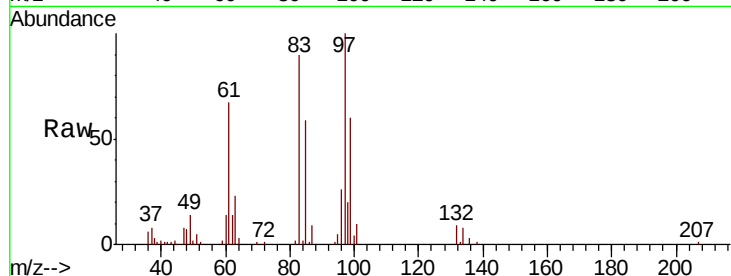
99 60.2 49.1 73.7

Manual Integrations

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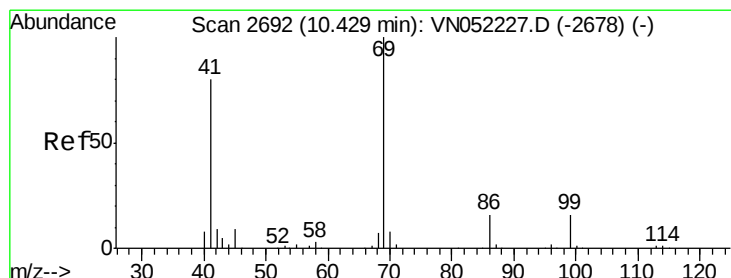
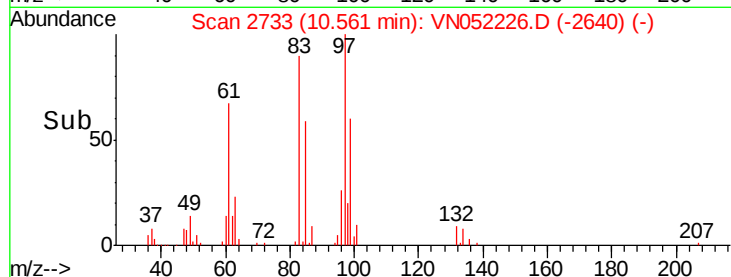
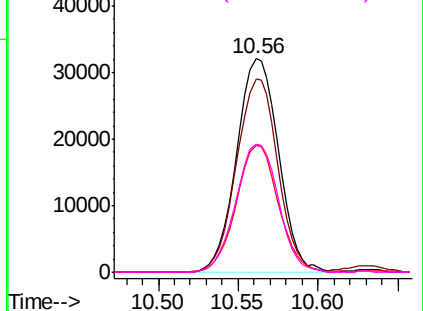
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.058 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

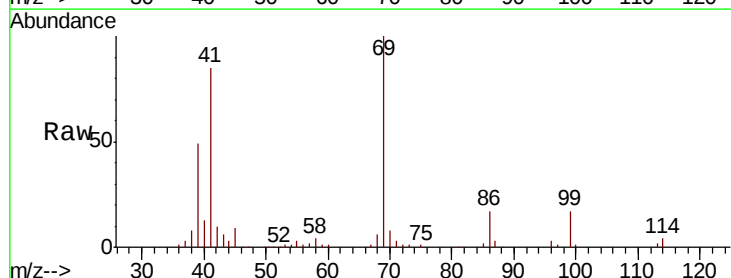
Tgt Ion: 69 Resp: 77038

Ion Ratio Lower Upper

69 100

41 80.8 64.0 96.0

39 48.1 37.8 56.8

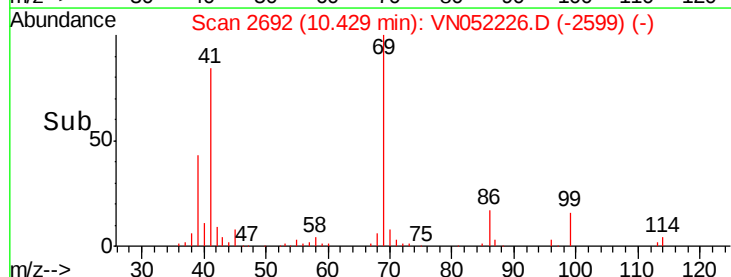
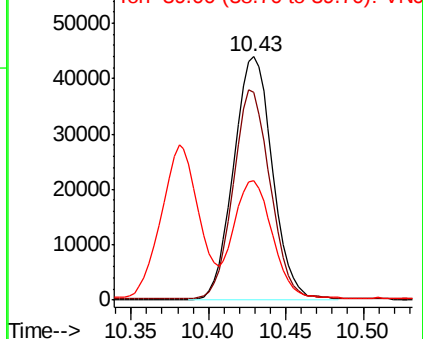


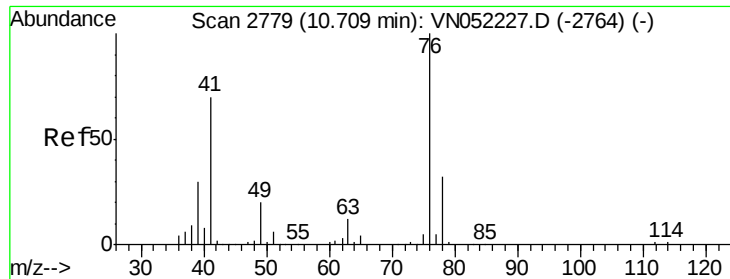
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





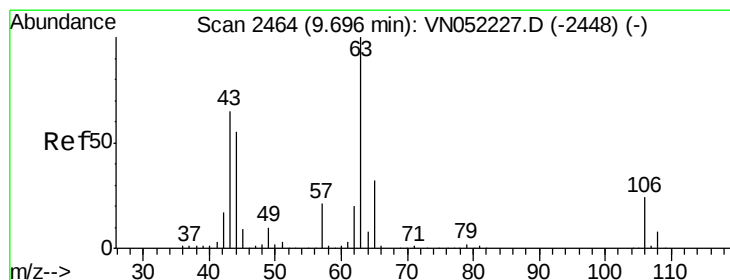
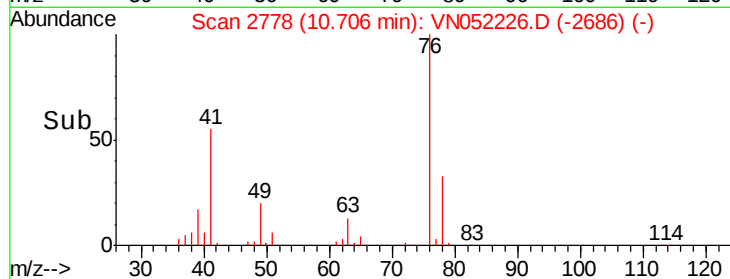
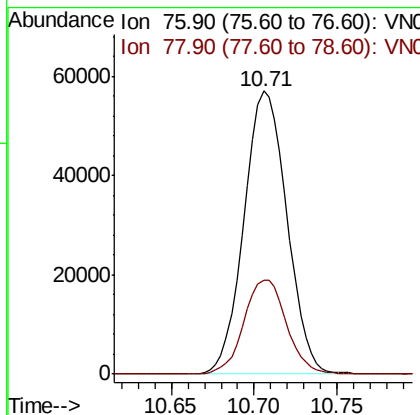
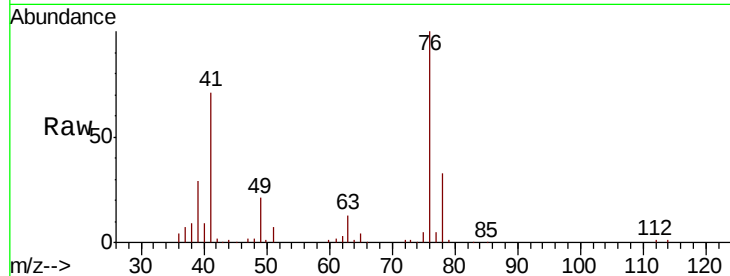
#57
 1,3-Dichloropropane
 Concen: 19.159 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 102579
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5

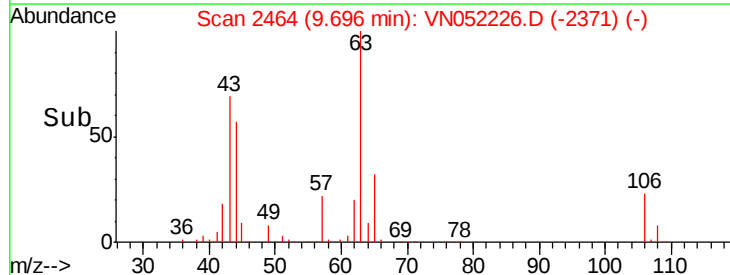
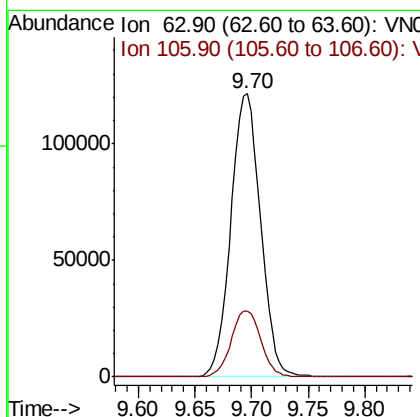
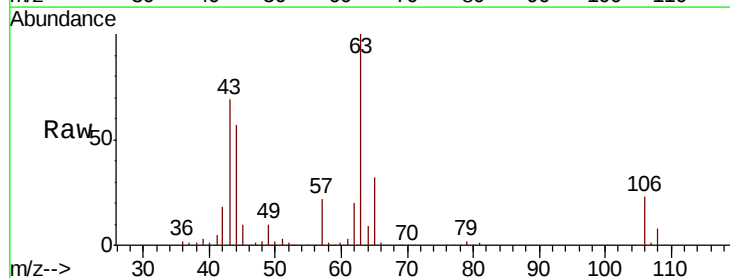
Manual Integrations
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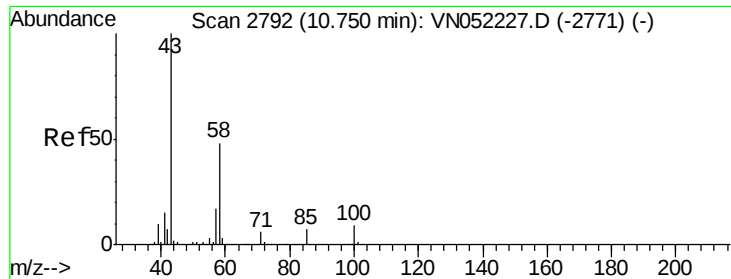
MMDadoda
 11/12/2018 9:18:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.460 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 63 Resp: 222616
 Ion Ratio Lower Upper
 63 100
 106 23.4 19.5 29.3





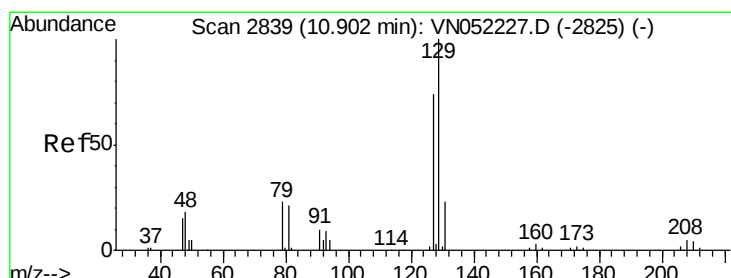
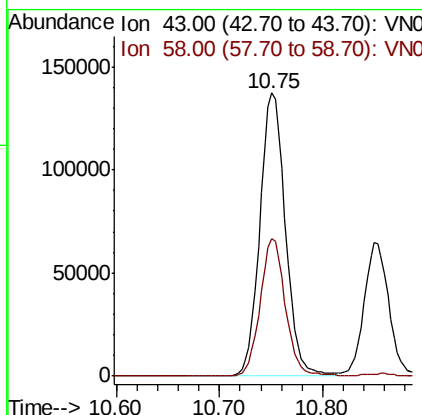
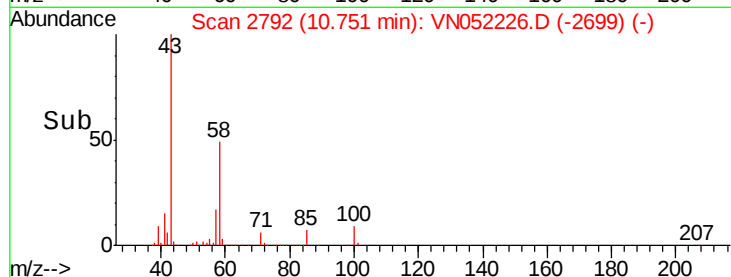
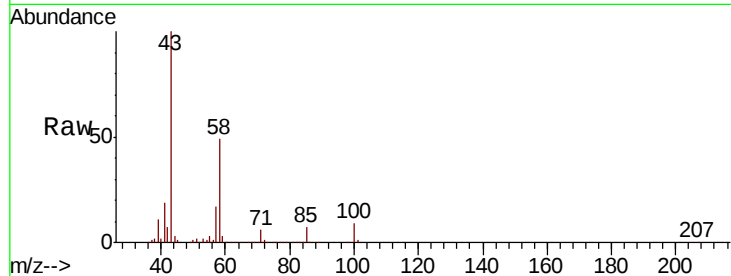
#59
2-Hexanone
Concen: 96.863 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 235872
Ion Ratio Lower Upper
43 100
58 47.7 24.1 72.3

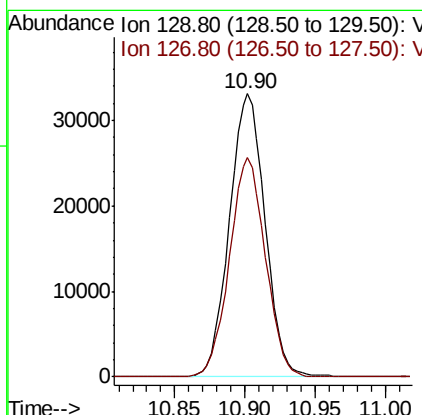
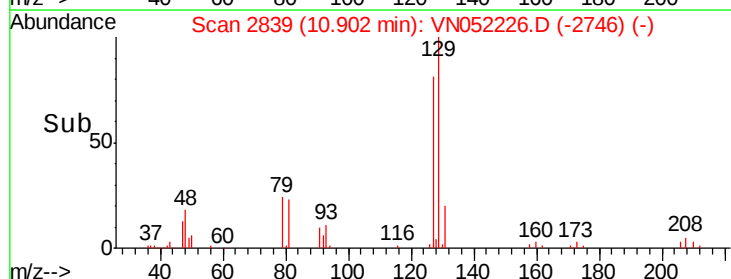
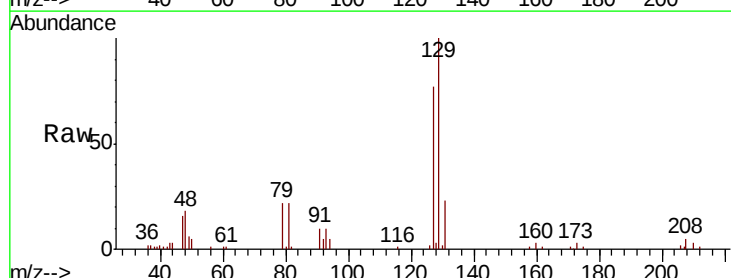
Manual Integrations
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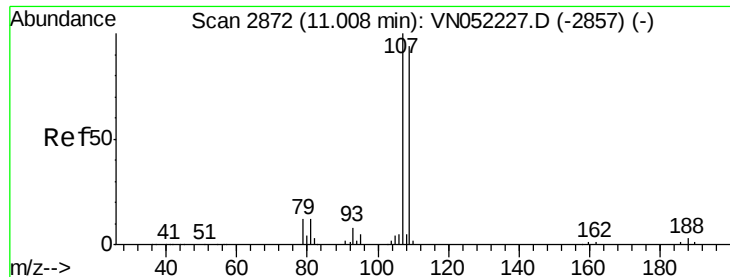
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#60
Dibromochloromethane
Concen: 19.311 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion:129 Resp: 58585
Ion Ratio Lower Upper
129 100
127 77.8 38.0 114.1





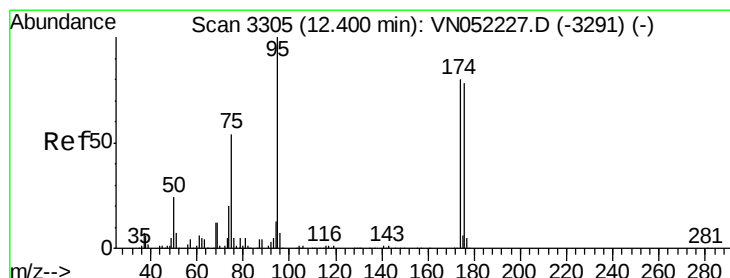
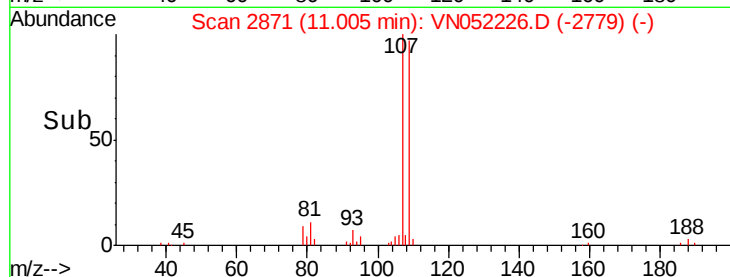
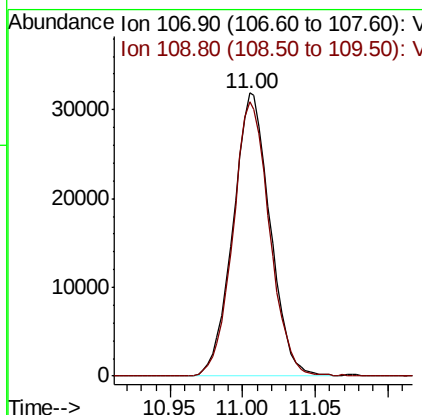
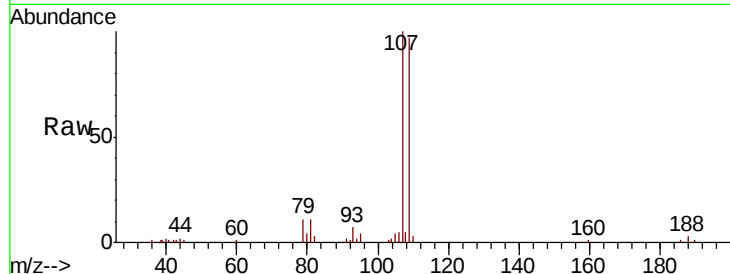
#61
 1,2-Dibromoethane
 Concen: 19.218 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 56490
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.8 113.6

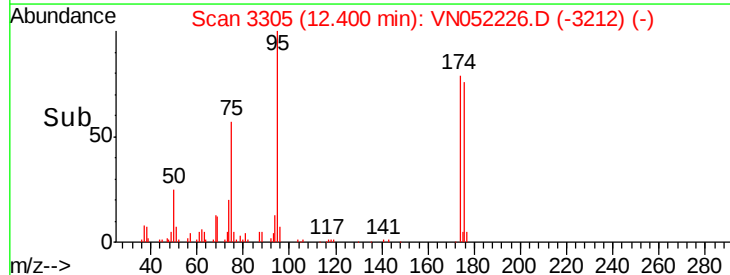
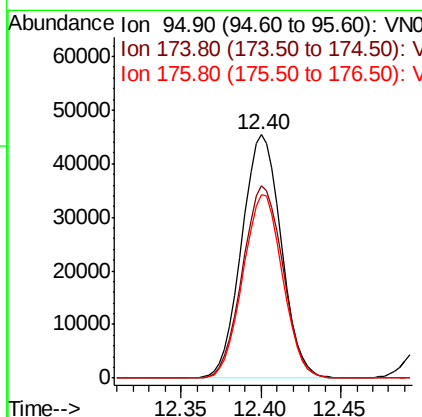
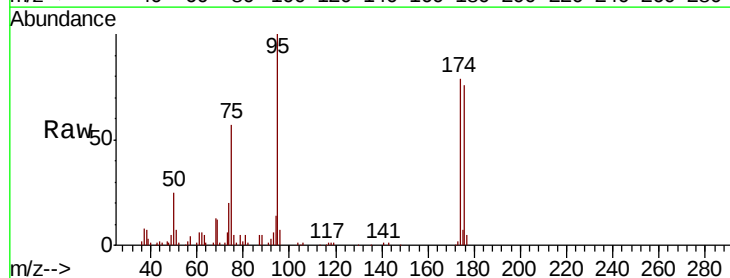
Manual Integrations
 APPROVED

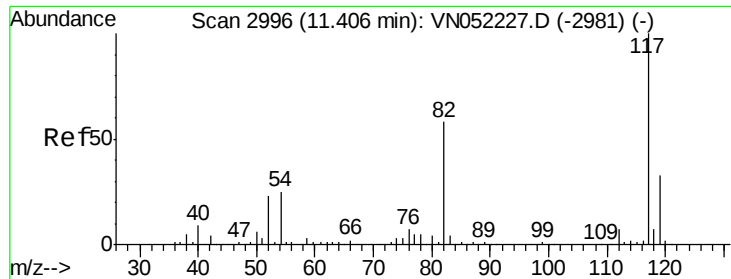
MMDadoda
 11/12/2018 9:18:37 AM



#62
 4-Bromofluorobenzene
 Concen: 19.218 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion: 95 Resp: 76797
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 159.4
 176 75.6 0.0 157.8





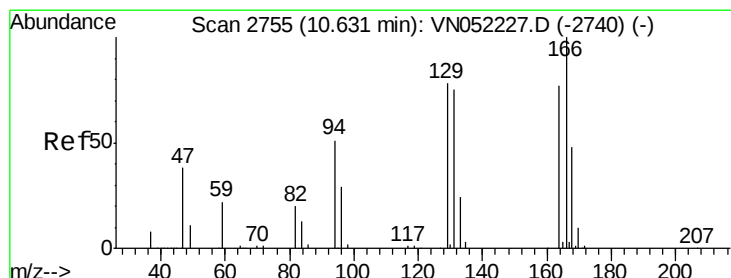
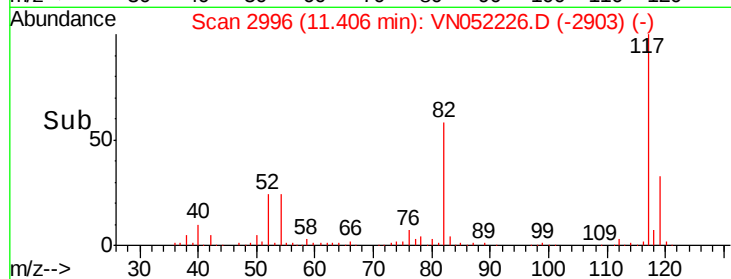
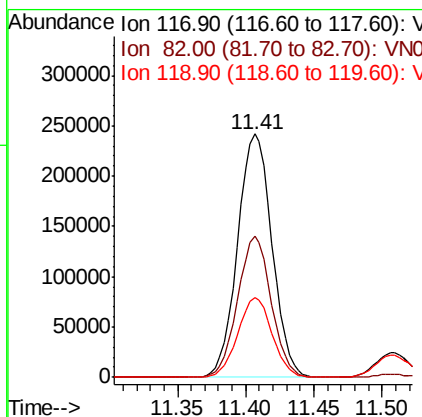
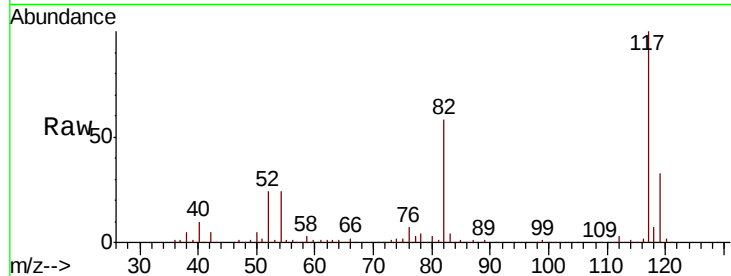
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.2	69.2
119	32.7	26.2	39.4

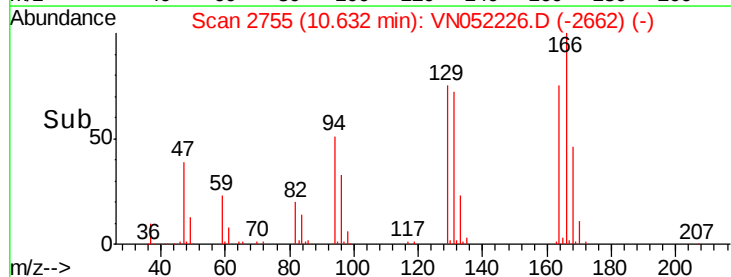
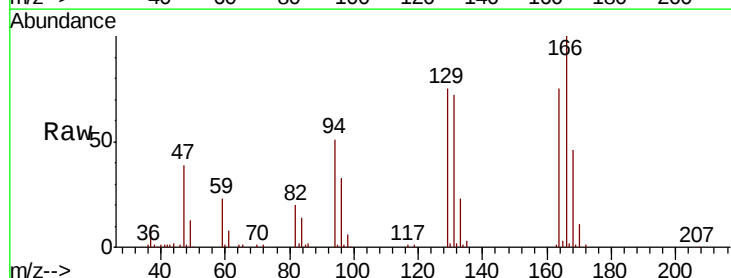
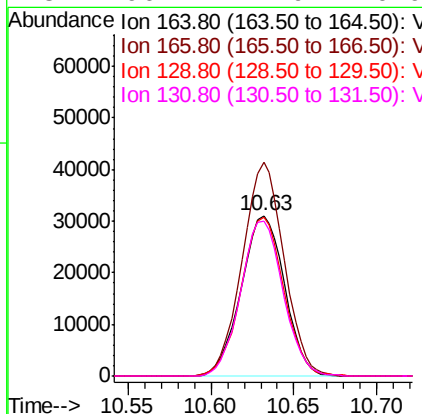
Manual Integrations
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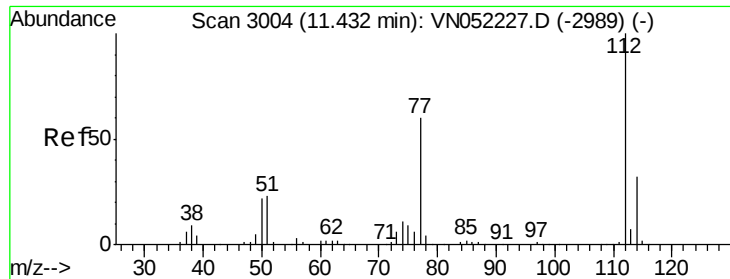
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#64
Tetrachloroethene
Concen: 19.069 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.1	103.6	155.4
129	99.3	81.0	121.6
131	96.4	77.9	116.9





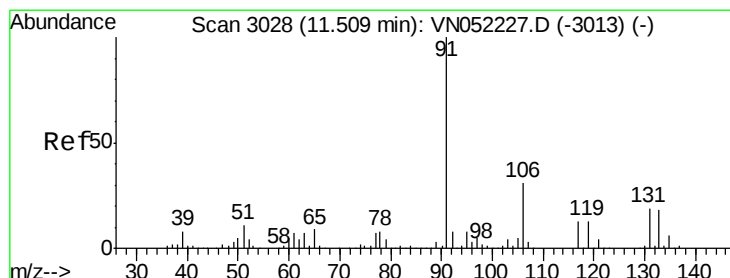
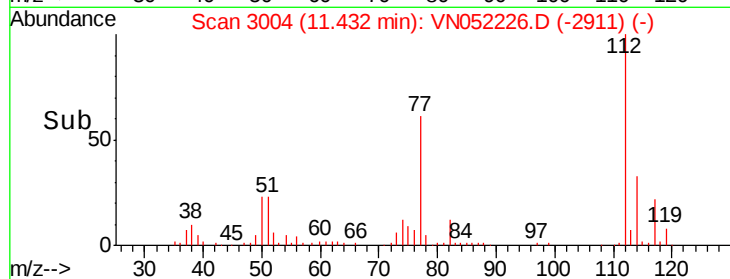
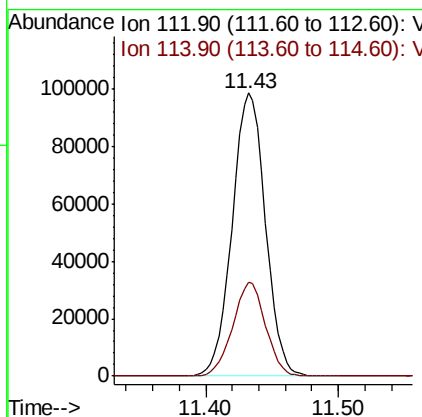
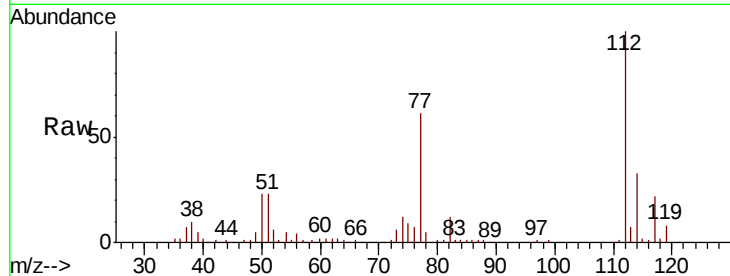
#65
Chlorobenzene
Concen: 19.110 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 171384
Ion Ratio Lower Upper
112 100
114 33.2 25.7 38.5

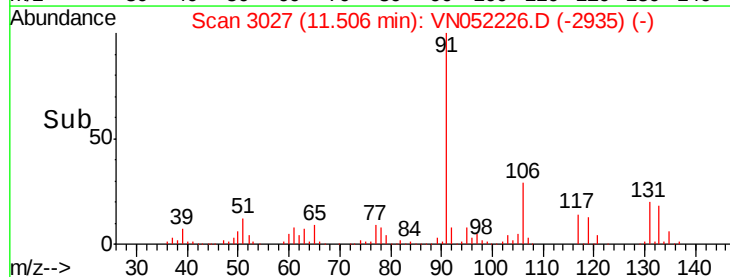
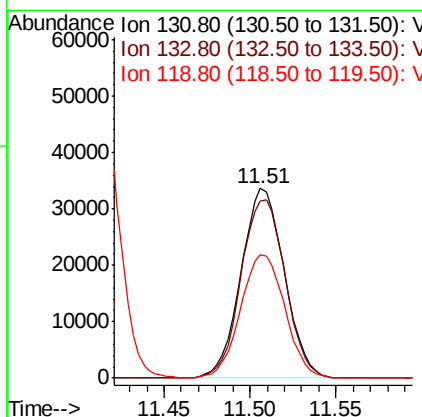
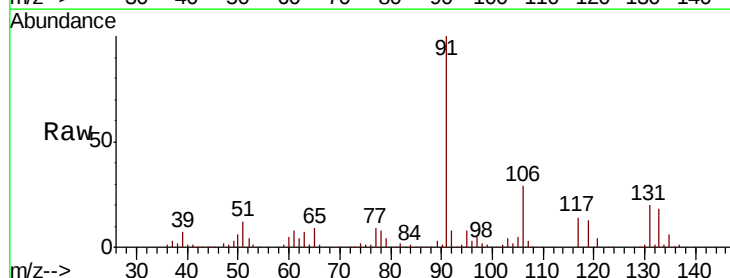
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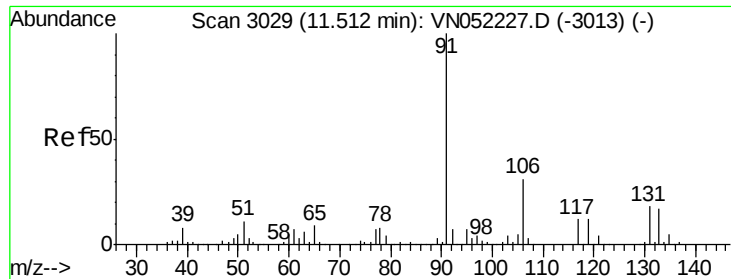
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.364 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion:131 Resp: 58824
Ion Ratio Lower Upper
131 100
133 95.9 48.3 144.9
119 66.9 34.6 103.9





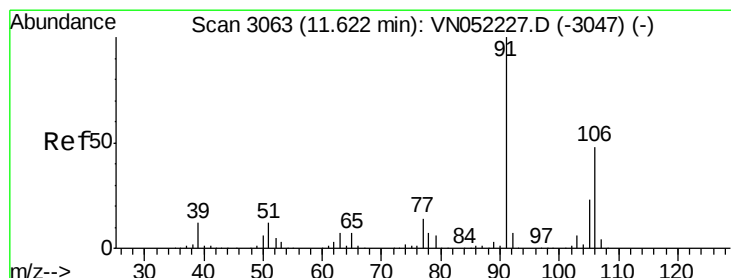
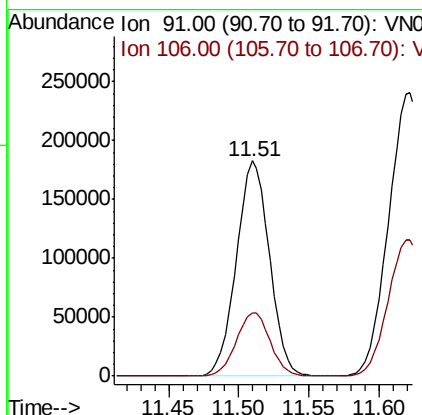
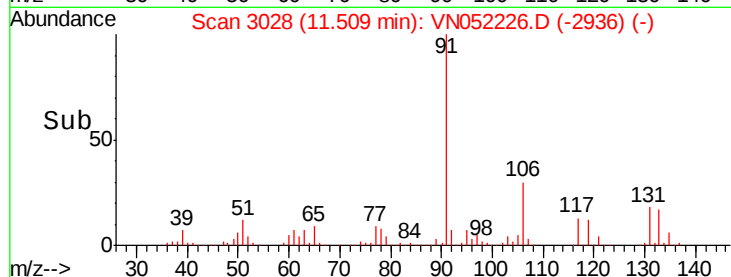
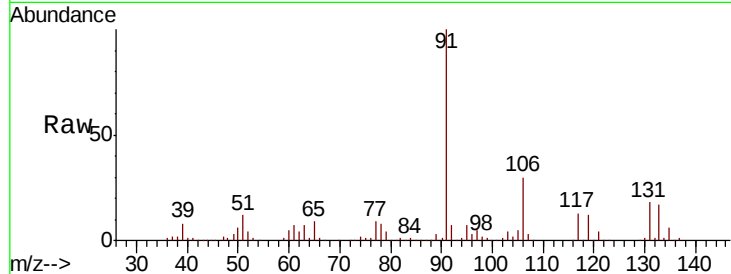
#67
Ethyl Benzene
Concen: 19.111 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 301474
Ion Ratio Lower Upper
91 100
106 29.5 24.7 37.1

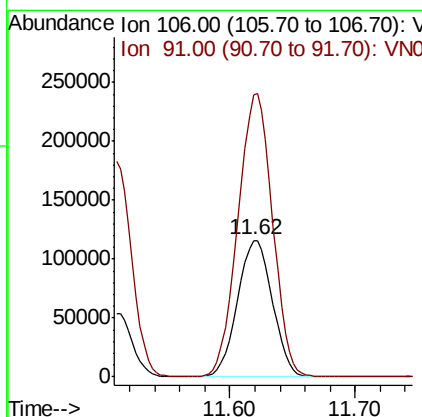
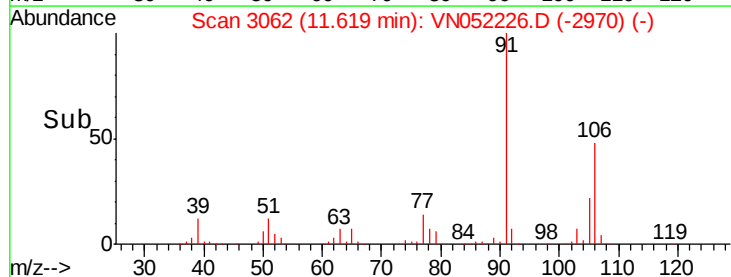
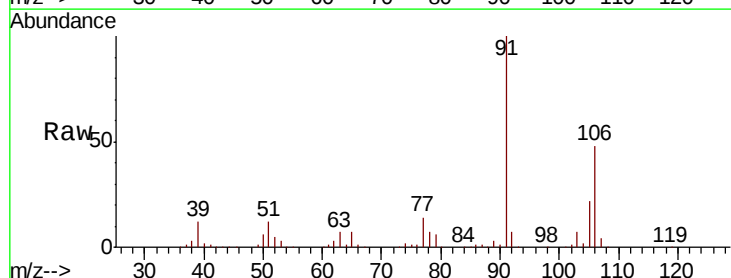
Manual Integrations
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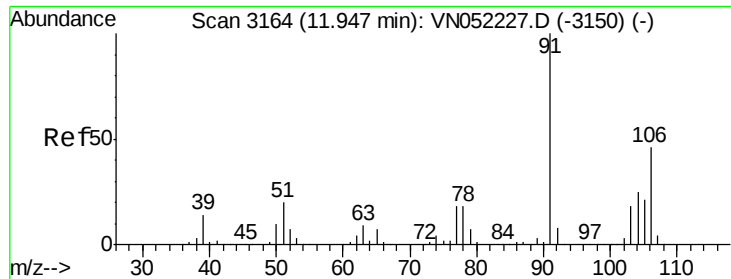
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#68
m/p-Xylenes
Concen: 38.219 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion: 106 Resp: 224524
Ion Ratio Lower Upper
106 100
91 205.2 165.7 248.5





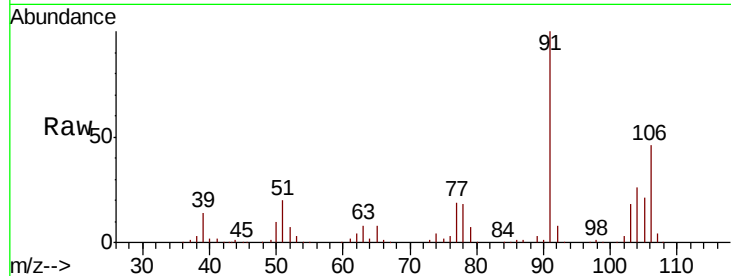
#69
o-Xylene
Concen: 19.316 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

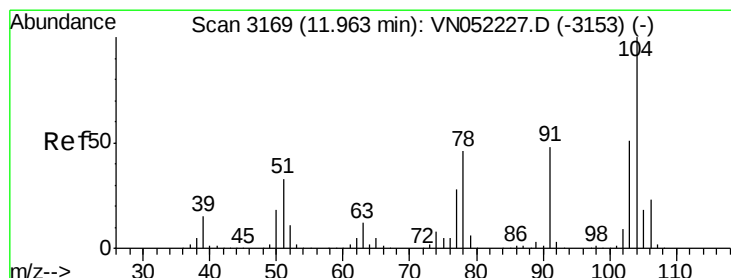
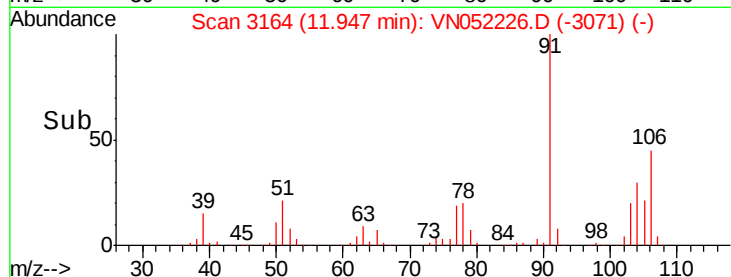
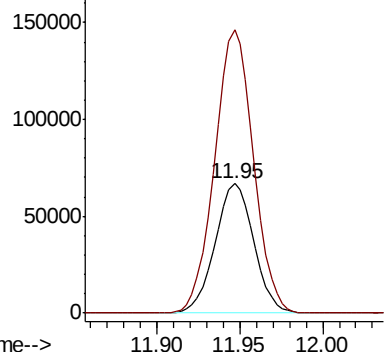
Tot Ion:106 Resp: 108413
Ion Ratio Lower Upper
106 100
91 220.1 108.5 325.5

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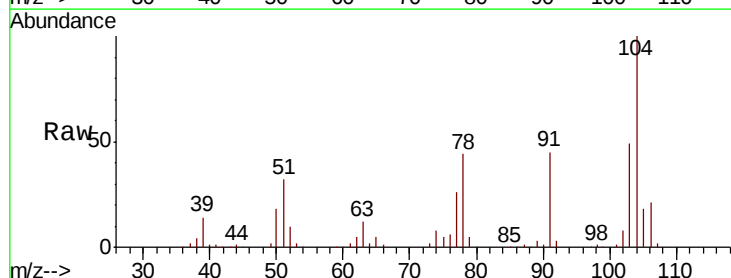


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

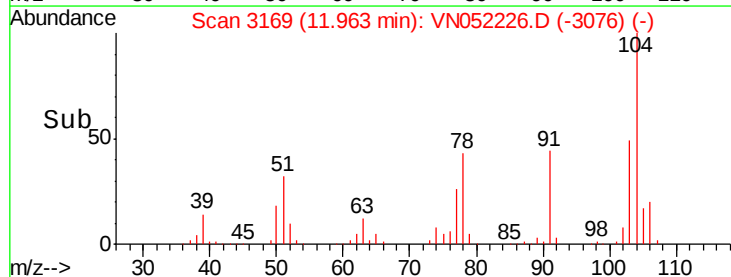
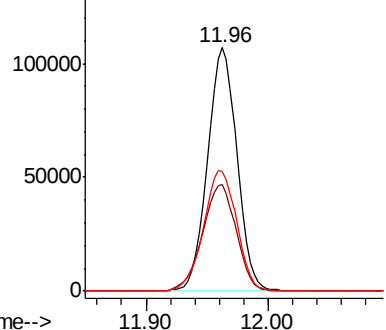


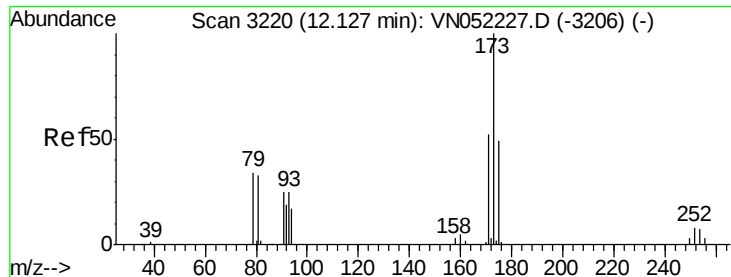
#70
Styrene
Concen: 19.627 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion:104 Resp: 177973
Ion Ratio Lower Upper
104 100
78 50.4 41.8 62.6
103 55.7 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





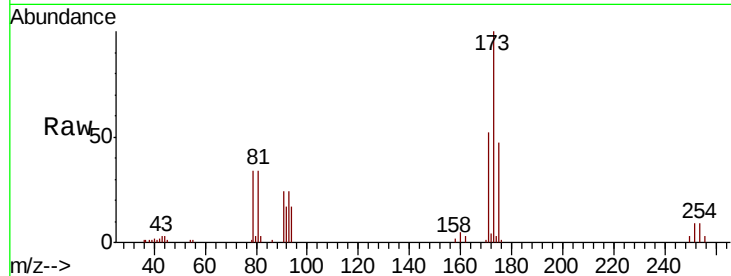
#71
Bromoform
Concen: 19.349 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.5	73.5
254	0.0	0.0	0.0

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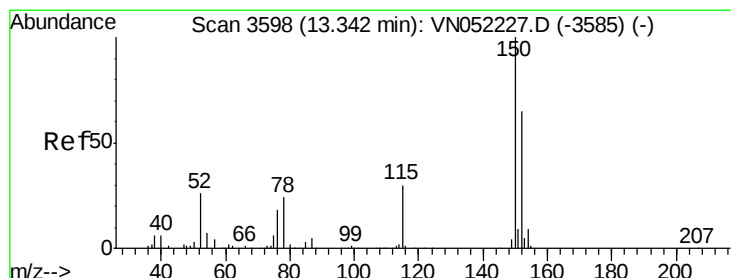
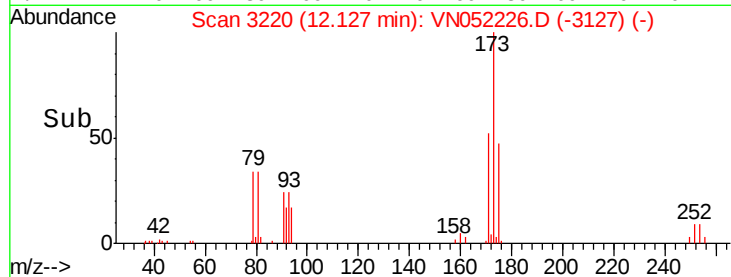
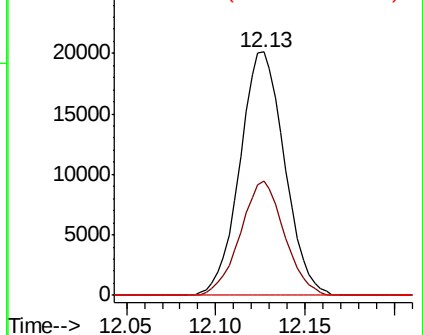


Abundance

Ion 172.70 (172.40 to 173.40): V

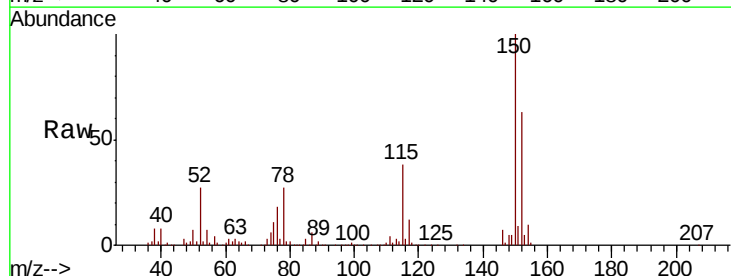
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	29.8	89.5
150	164.8	0.0	350.2

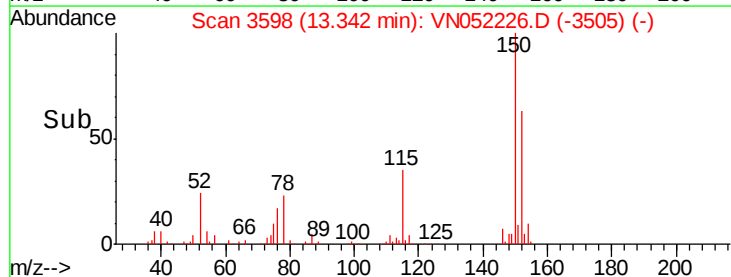
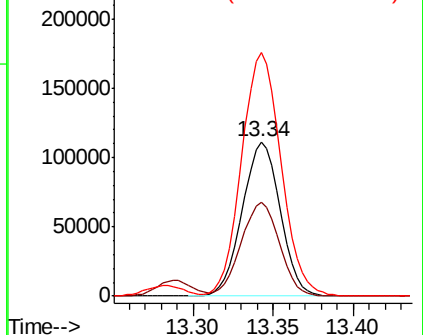


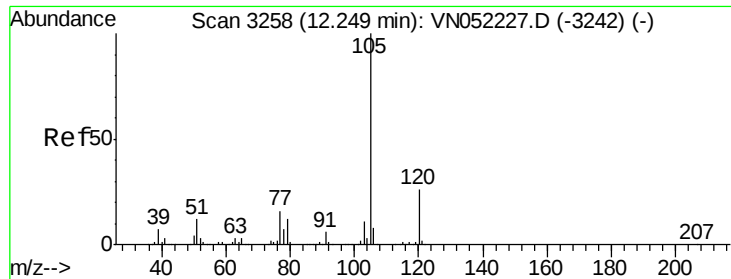
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





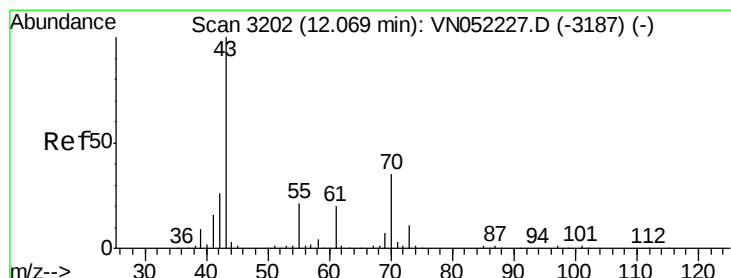
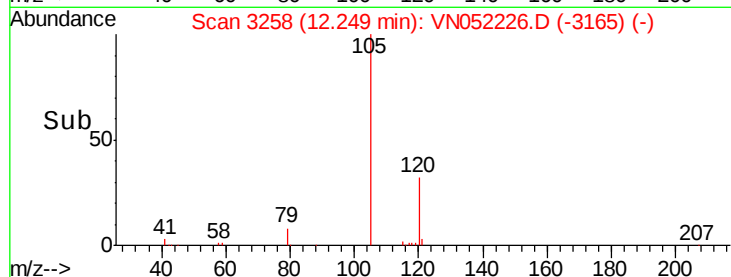
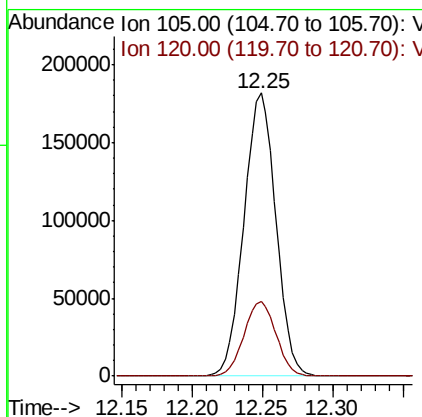
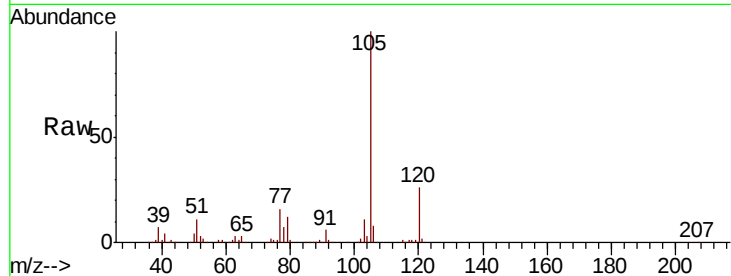
#73
Isopropylbenzene
Concen: 19.609 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.1

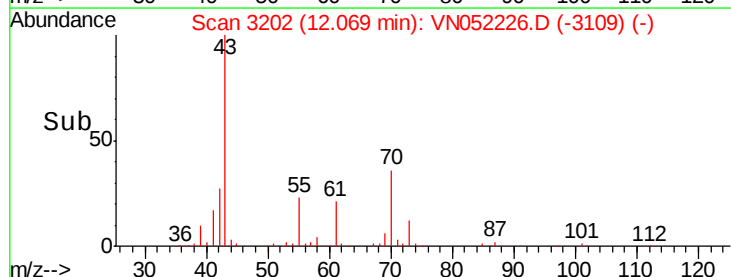
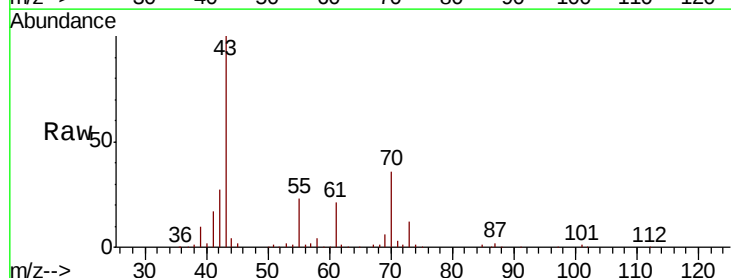
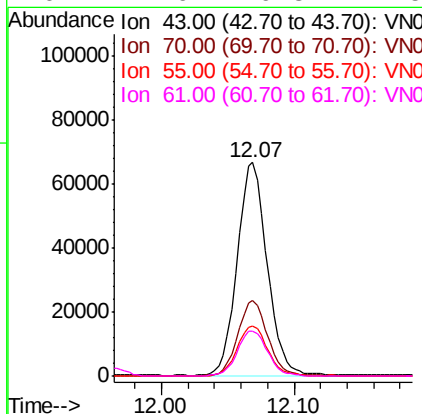
Manual Integrations
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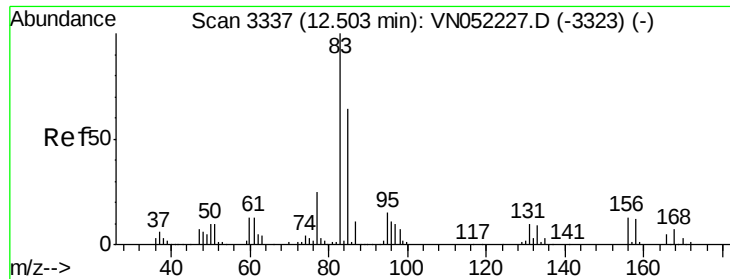
MMDadoda
11/12/2018 9:18:37 AM



#74
N-ethyl acetate
Concen: 19.469 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052226.D
Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.4	28.2	42.2
55	23.9	17.4	26.2
61	21.6	16.3	24.5





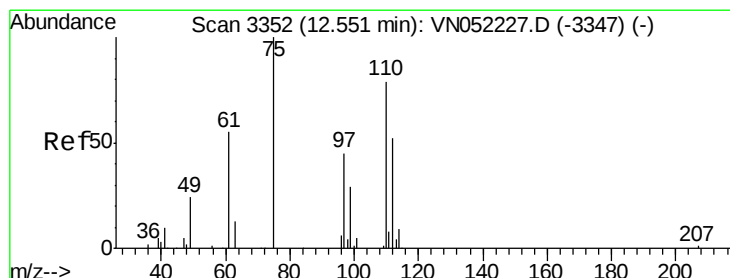
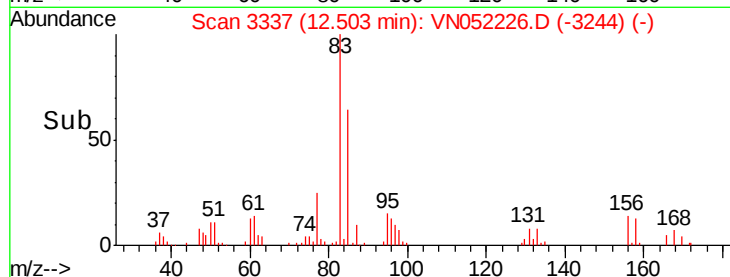
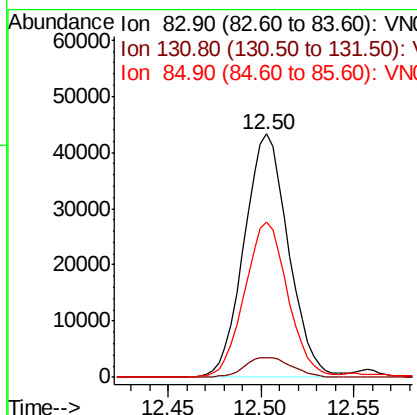
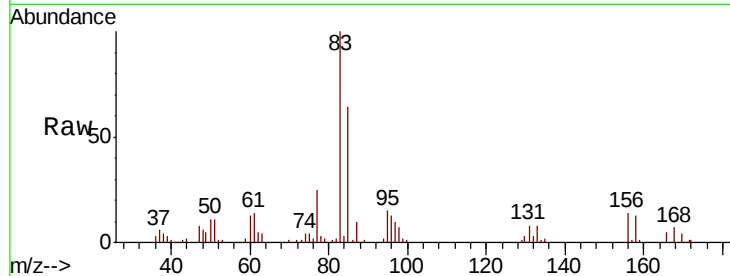
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.959 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	83	Resp	72165
Ion Ratio	100	Lower	Upper
83	100		
131	8.8	5.1	15.2
85	62.3	32.4	97.2

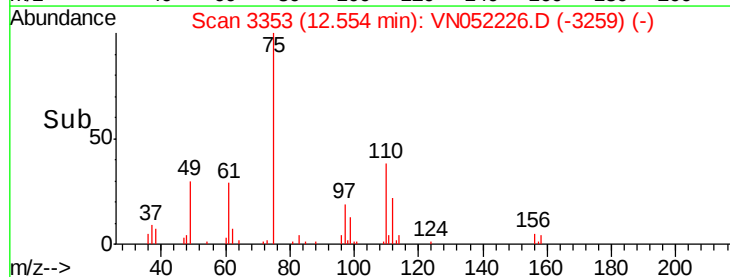
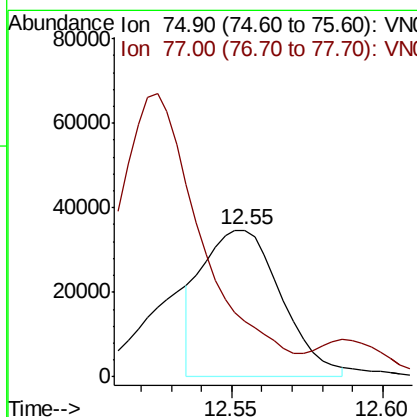
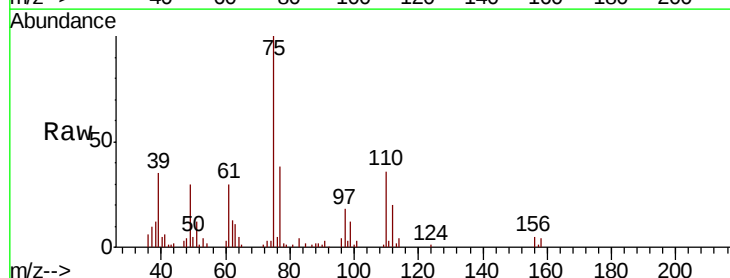
Manual Integrations
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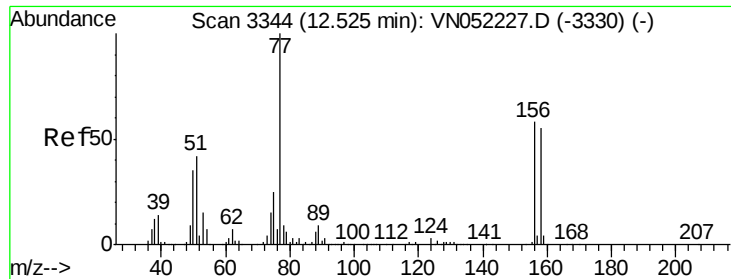
MMDadoda
 11/12/2018 9:18:37 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.644 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion	75	Resp	62647
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.533 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

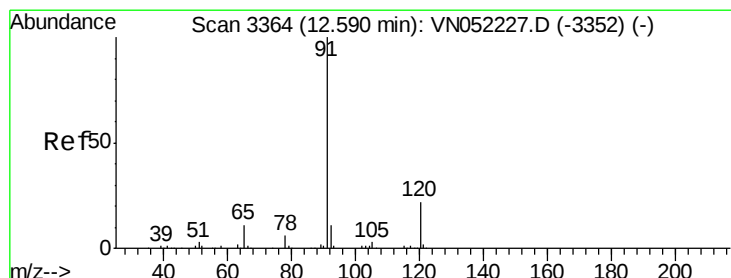
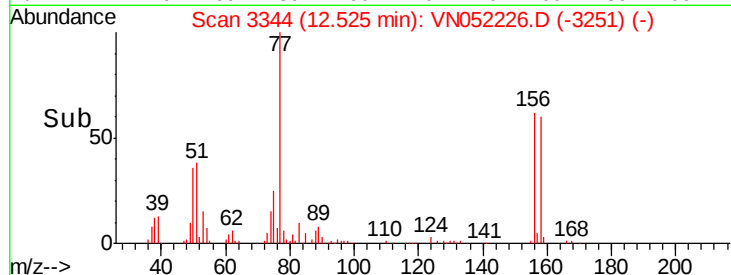
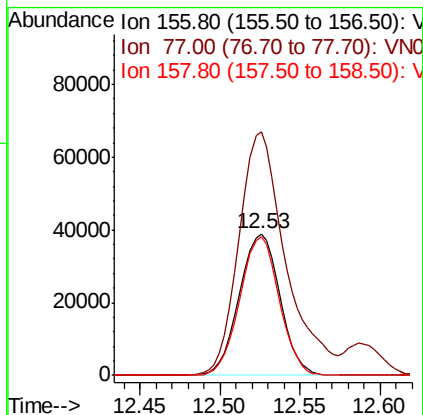
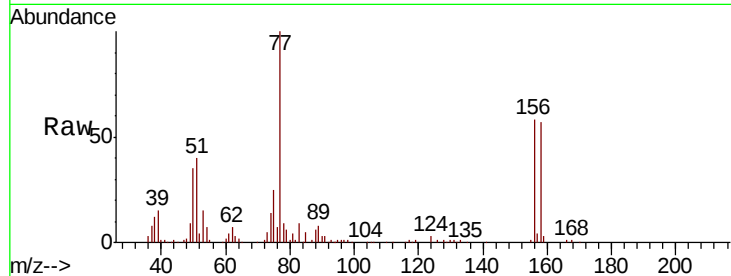
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.9	101.1	303.3
158	94.9	47.8	143.3

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#78

n-propylbenzene

Concen: 19.533 ug/l

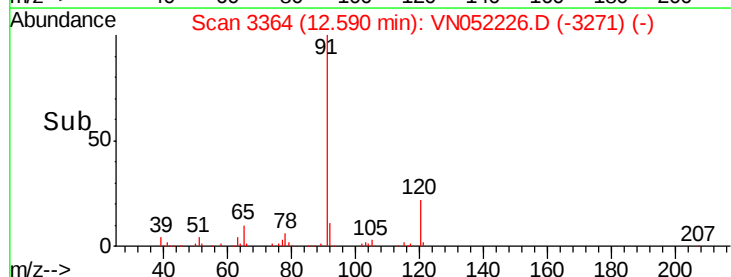
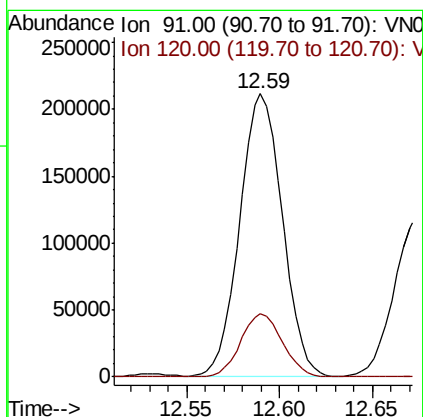
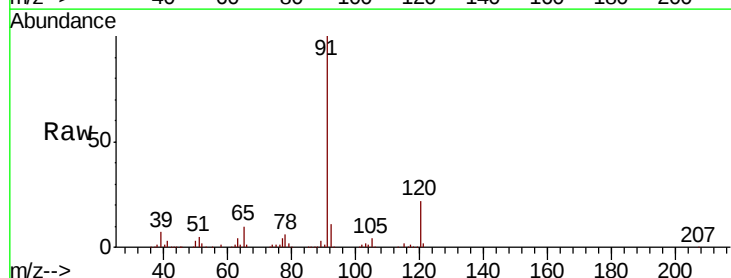
RT: 12.59 min Scan# 3364

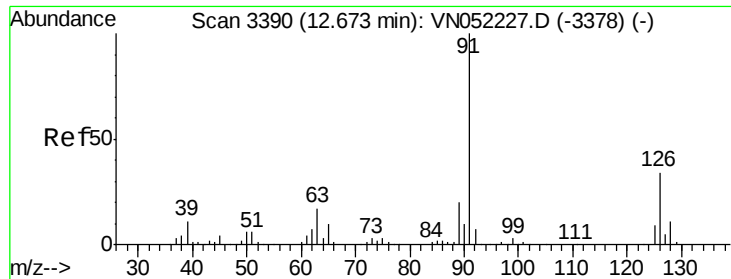
Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.8





#79

2-Chlorotoluene

Concen: 19.417 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 194297

Ion Ratio Lower Upper

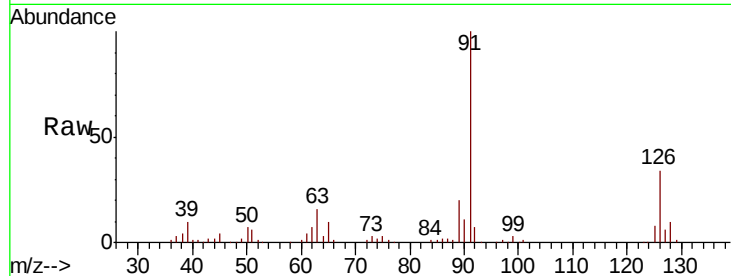
91 100

126 34.2 17.0 51.0

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Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3378) (-)

200000

150000

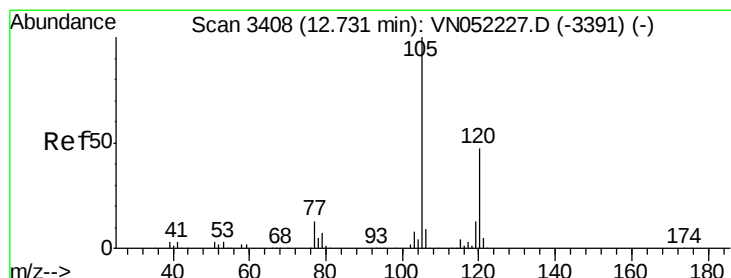
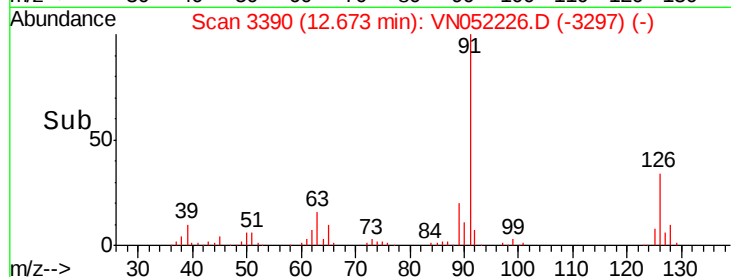
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.608 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052226.D

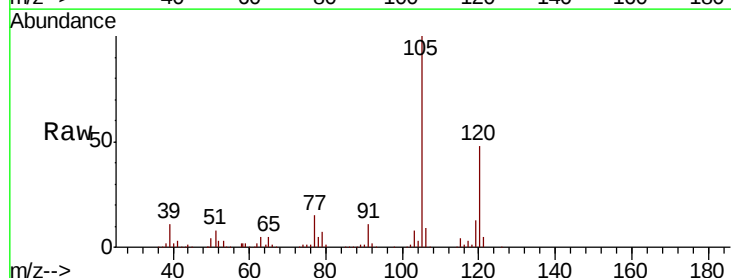
Acq: 9 Nov 2018 14:33

Tgt Ion: 105 Resp: 229984

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)

150000

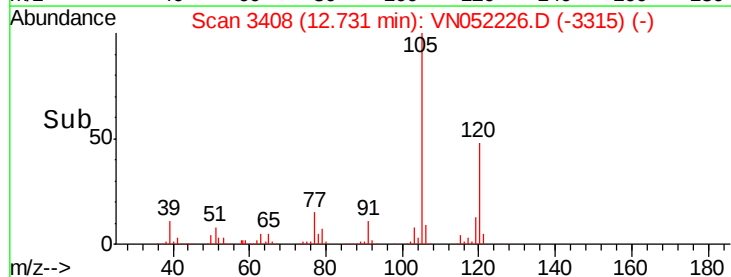
100000

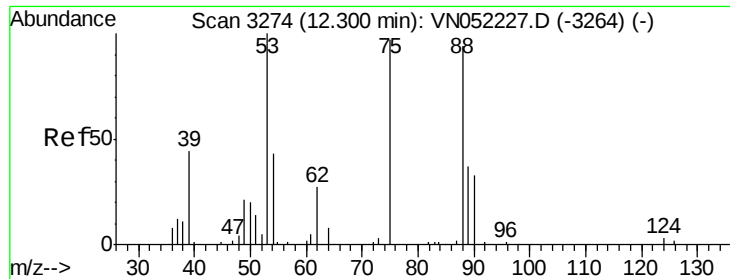
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.823 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 17602

Ion Ratio Lower Upper

75 100

53 120.2 84.0 126.0

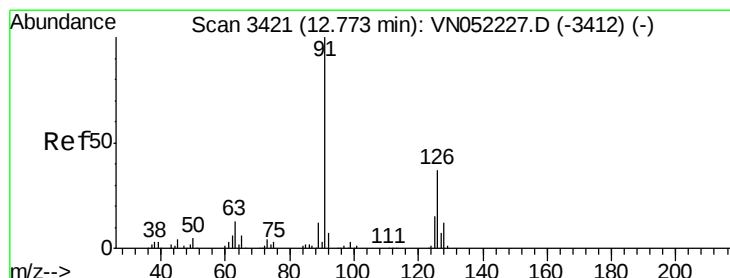
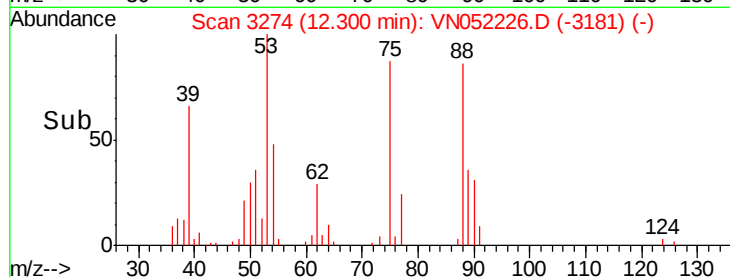
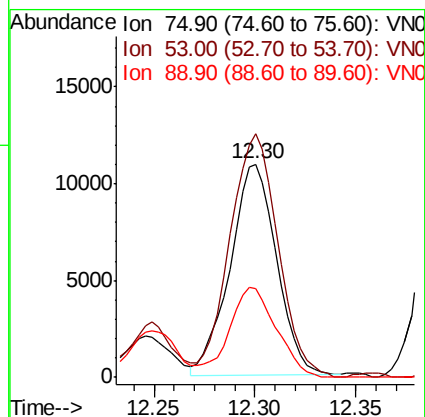
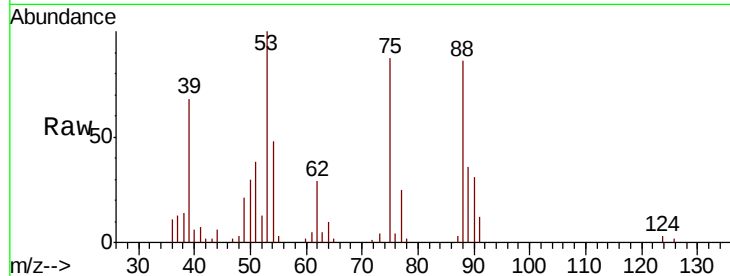
89 43.1 33.7 50.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.350 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052226.D

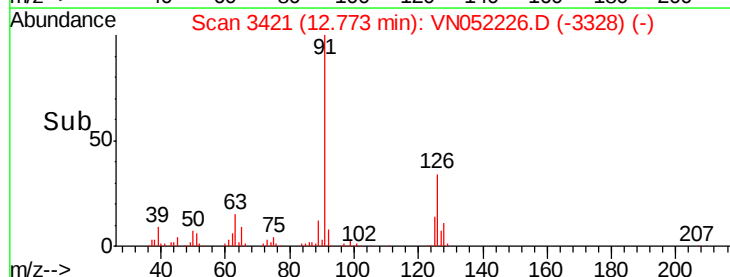
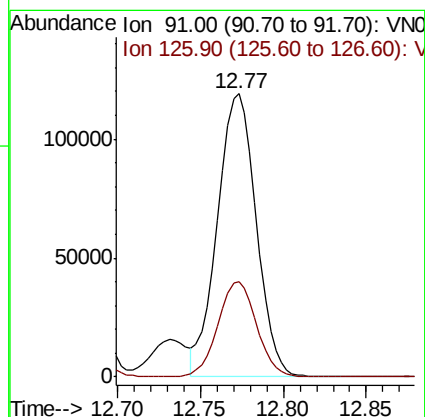
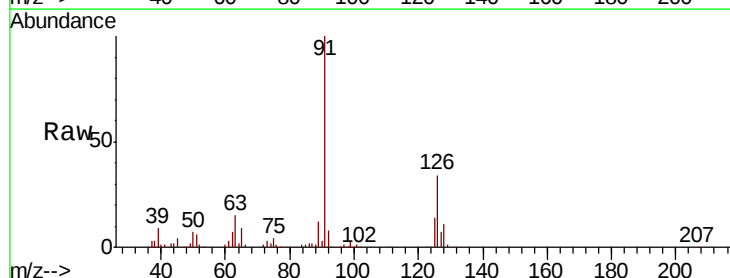
Acq: 9 Nov 2018 14:33

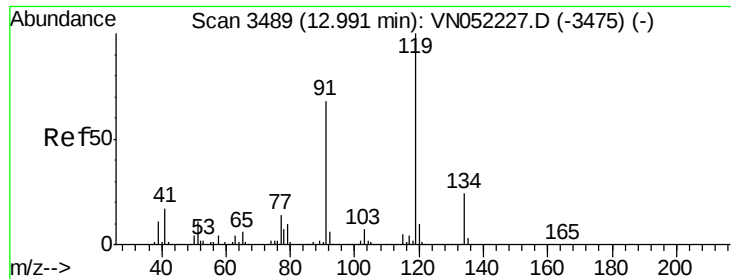
Tgt Ion: 91 Resp: 194284

Ion Ratio Lower Upper

91 100

126 33.4 16.9 50.7





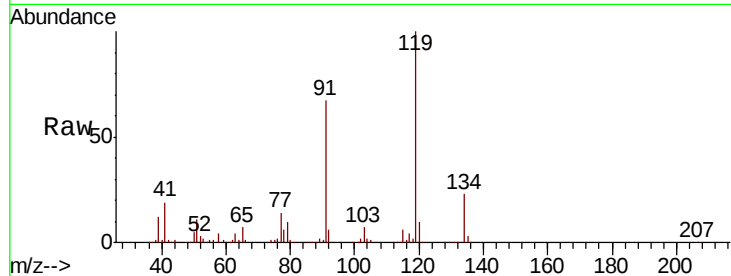
#83
 tert-Butylbenzene
 Concen: 19.388 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	198528		
91	66.5		33.5	100.4
134	22.9		13.0	38.9

Manual Integrations
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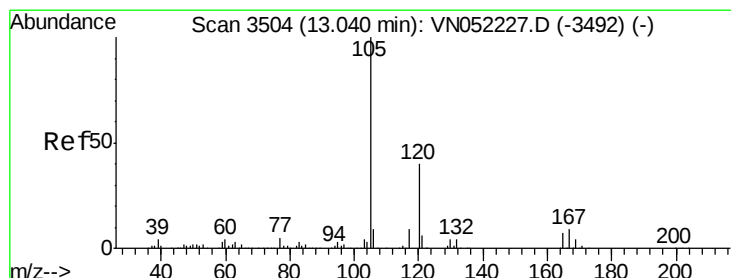
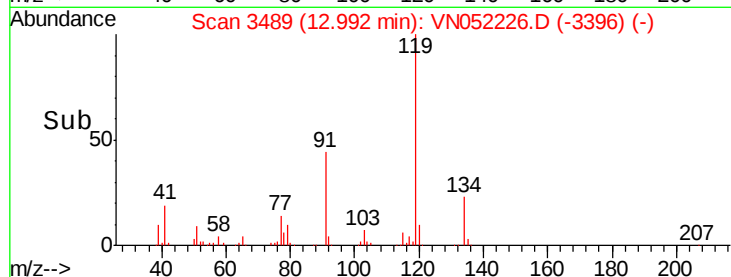
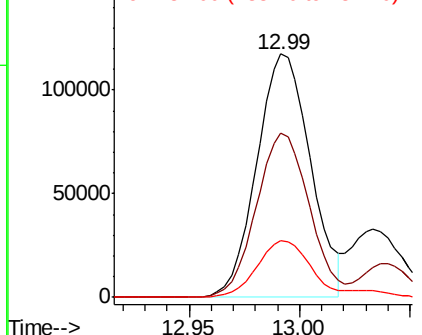


Abundance

Ion 119.00 (118.70 to 119.70): V

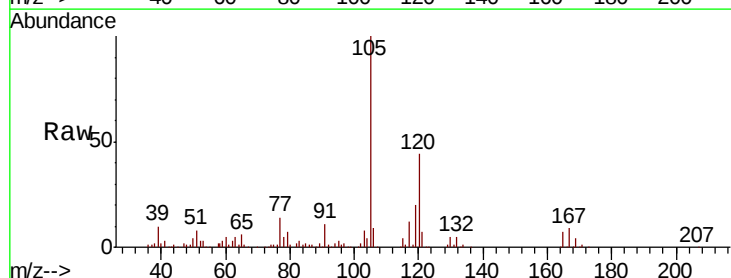
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 19.525 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

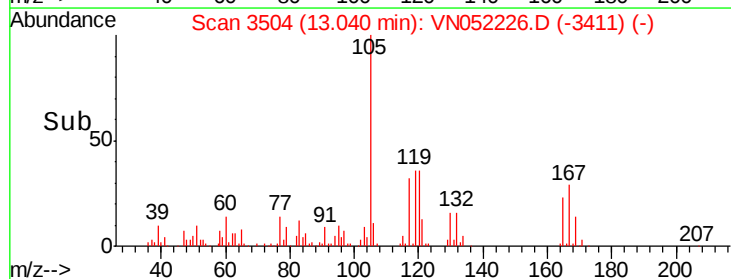
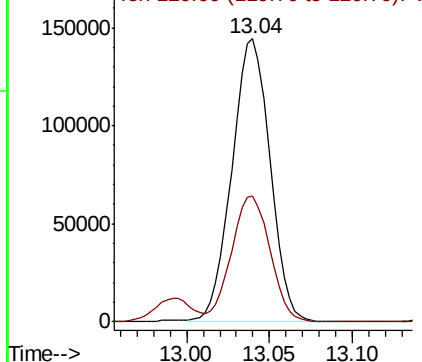
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	230903		
120	45.1		22.7	68.1

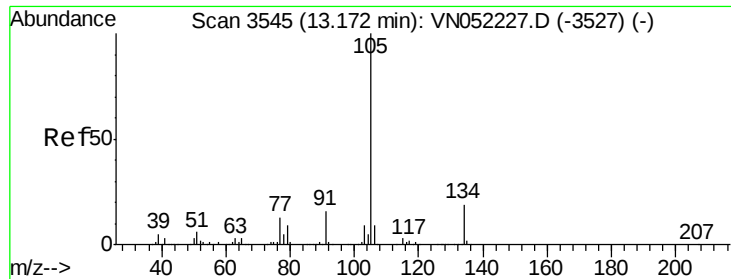


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.625 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 275579

Ion Ratio Lower Upper

105 100

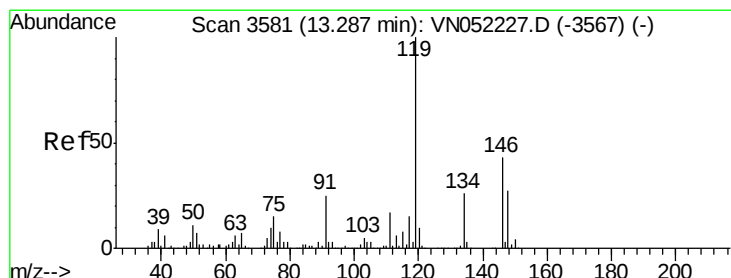
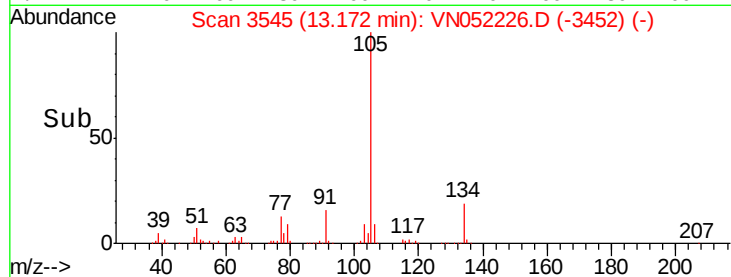
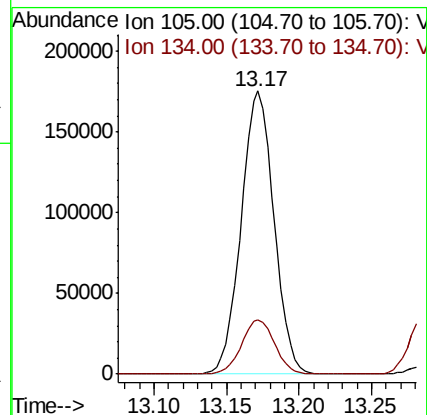
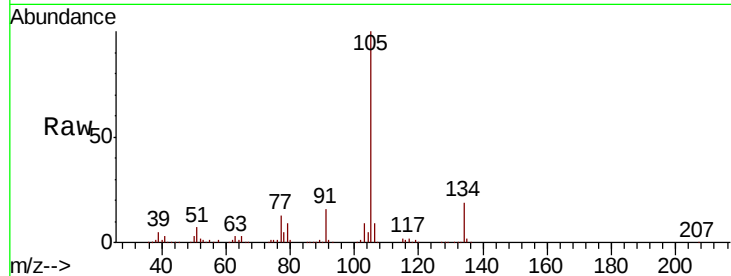
134 19.3 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.722 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

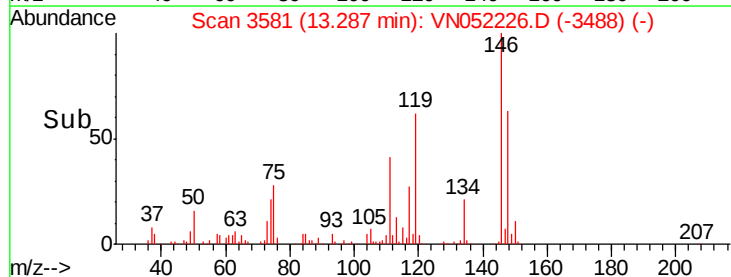
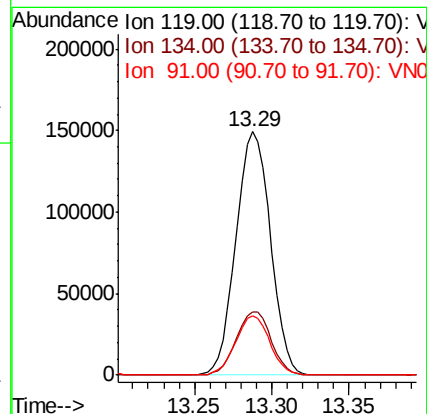
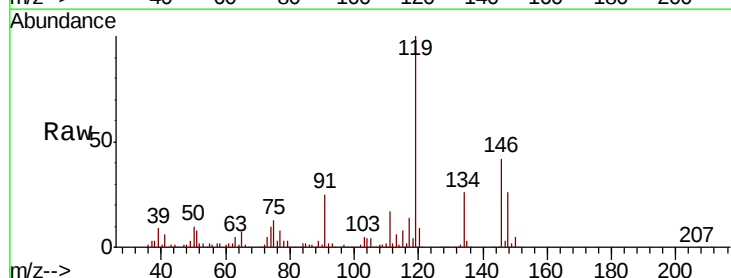
Tgt Ion:119 Resp: 231693

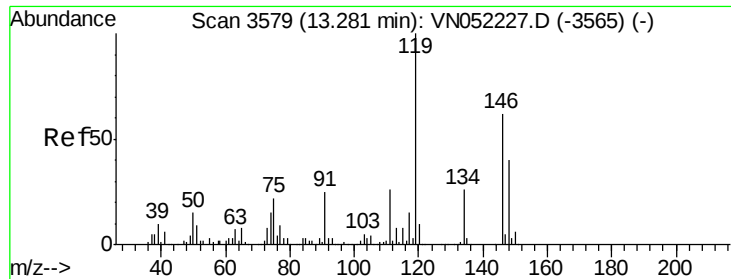
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.6

91 24.1 12.4 37.0





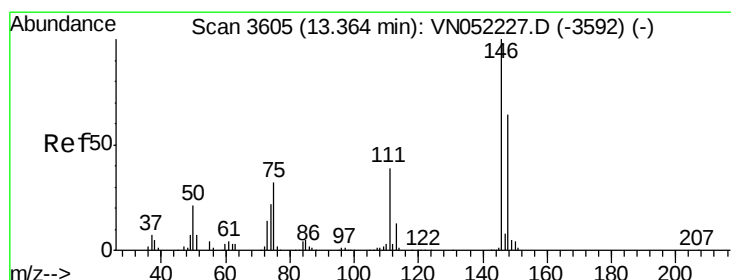
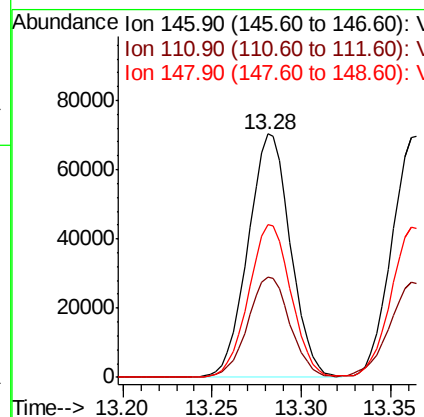
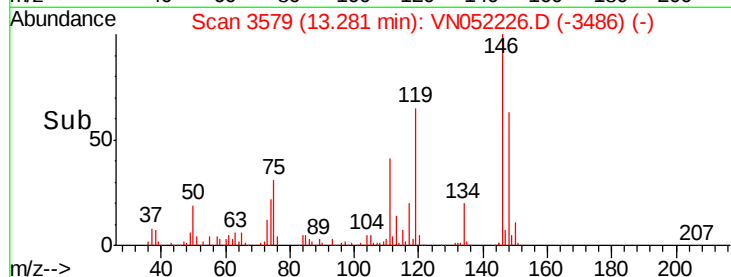
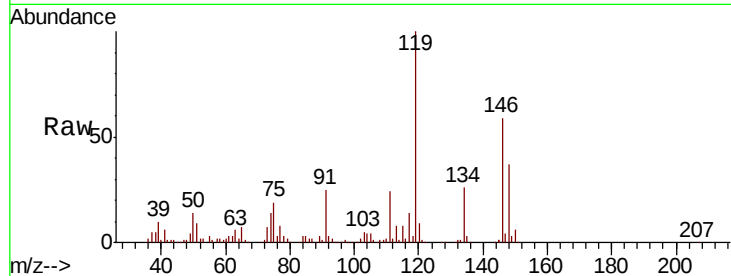
#87
 1,3-Dichlorobenzene
 Concen: 19.381 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.3
148	62.7	31.6	94.7

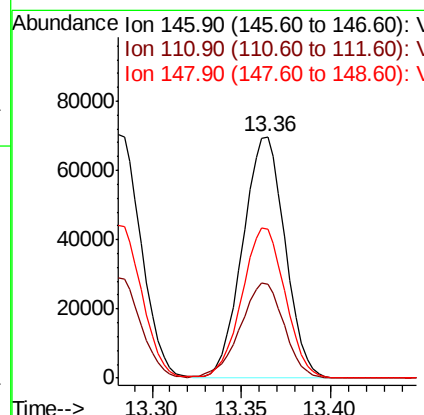
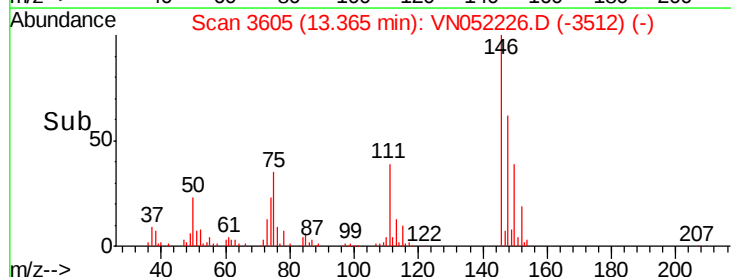
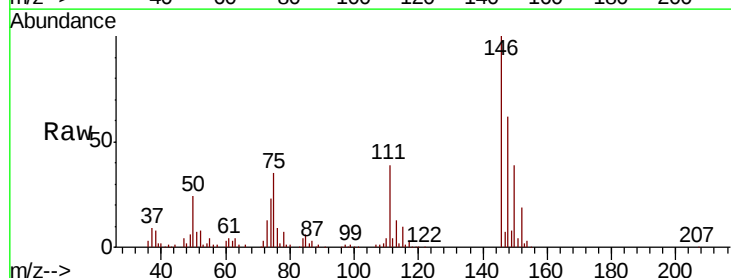
Manual Integrations
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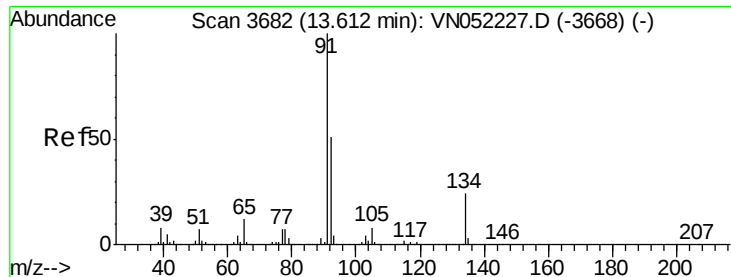
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 11/12/2018 9:18:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.265 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.2	60.6
148	63.1	32.1	96.3





#89

n-Butylbenzene

Concen: 18.958 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

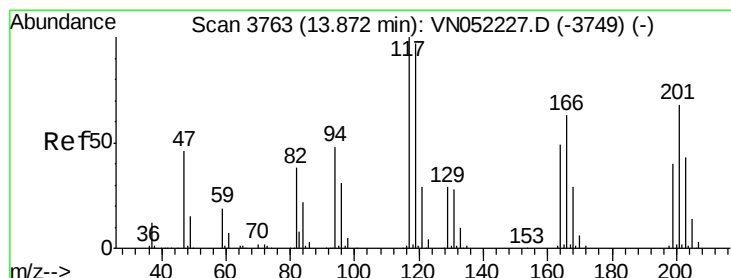
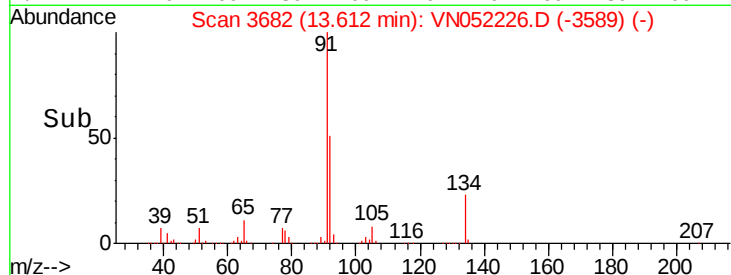
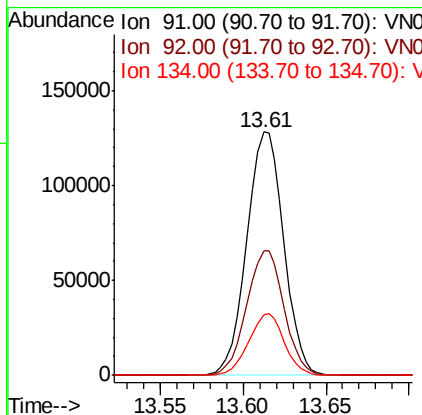
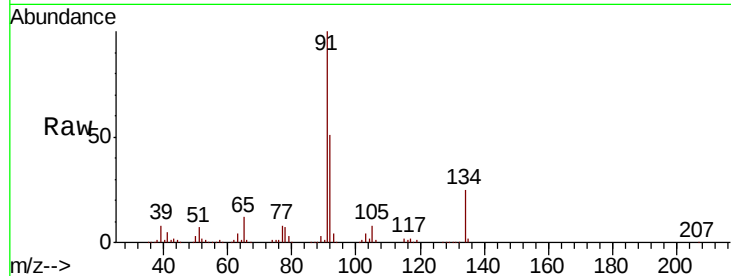
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	198321
Ion Ratio	Lower	Upper	
91	100		
92	51.9	25.1	75.3
134	24.4	12.0	36.1

Manual Integrations
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11/12/2018 9:18:37 AM



#90

Hexachloroethane

Concen: 18.768 ug/l

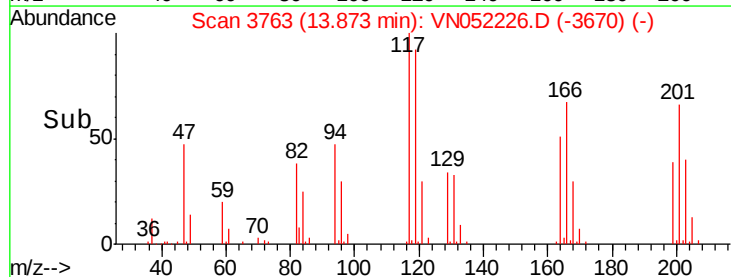
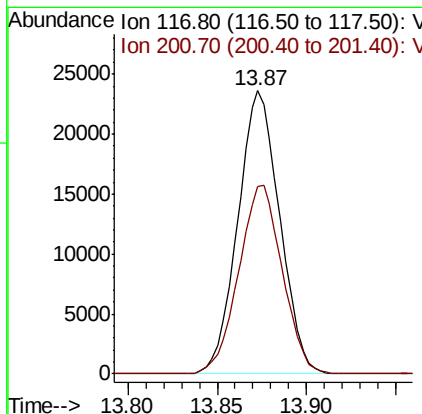
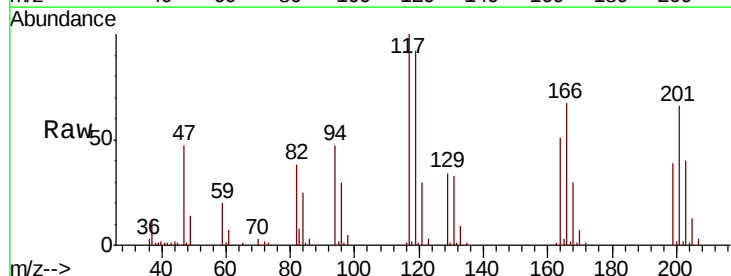
RT: 13.87 min Scan# 3763

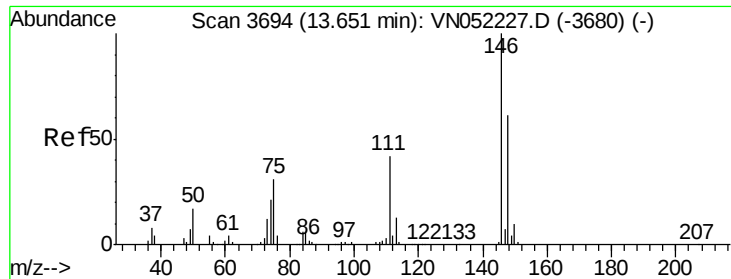
Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Tgt Ion:	117	Resp:	38698
Ion Ratio	Lower	Upper	
117	100		
201	69.2	34.6	103.9





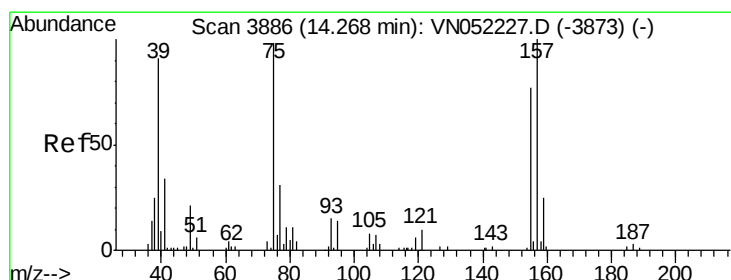
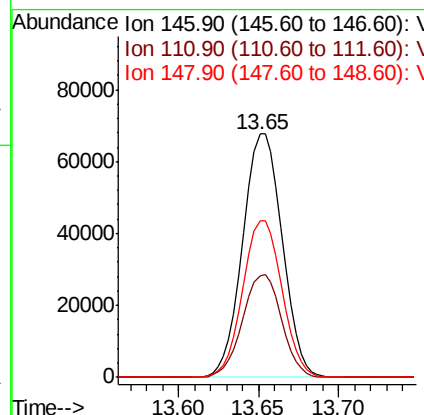
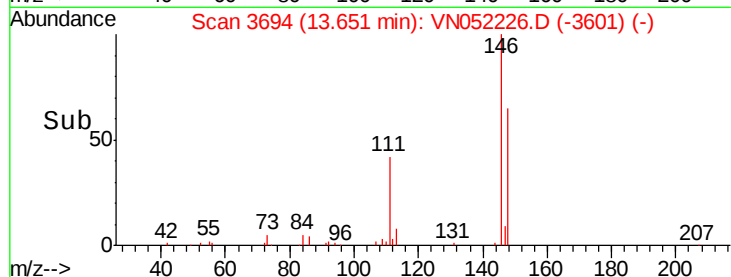
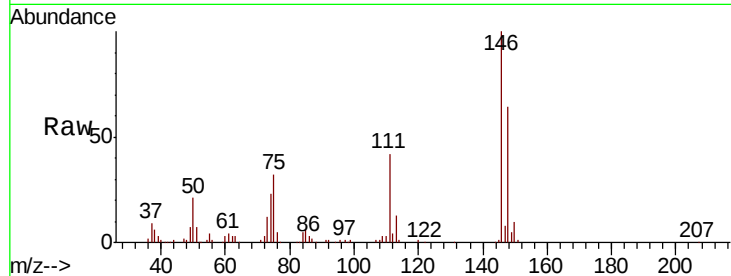
#91
 1,2-Dichlorobenzene
 Concen: 19.487 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.3
148	63.6	31.3	93.8

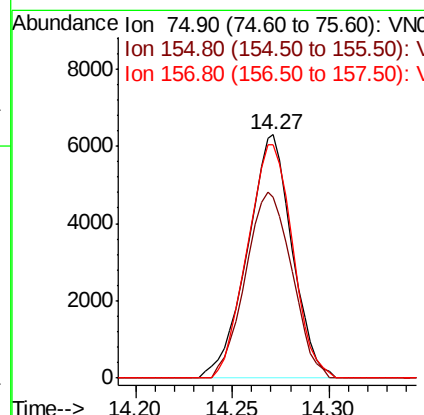
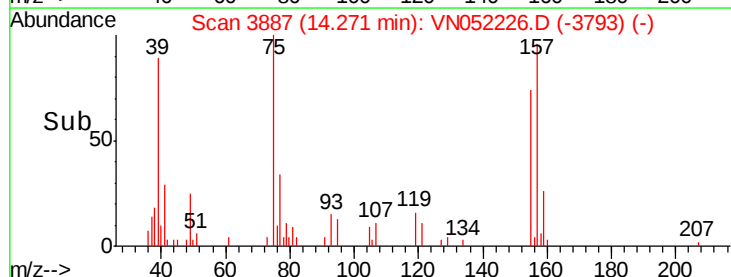
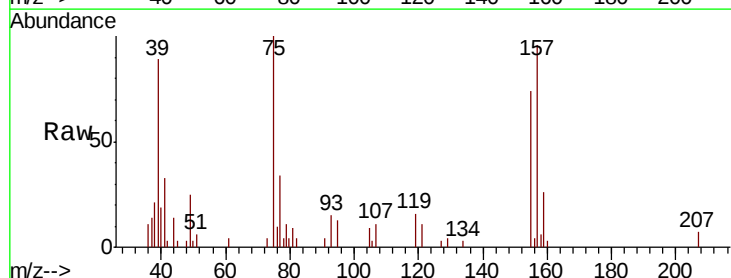
Manual Integrations
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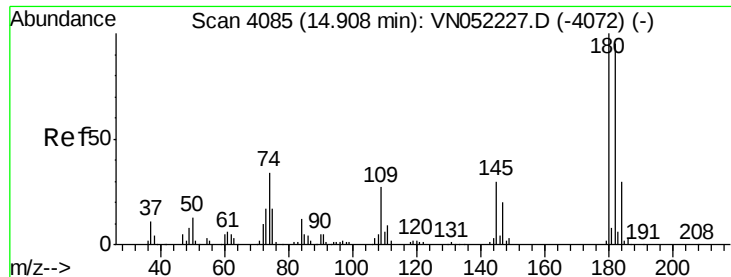
MMDadoda
 11/12/2018 9:18:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.682 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	40.2	120.5
157	97.1	51.7	155.2





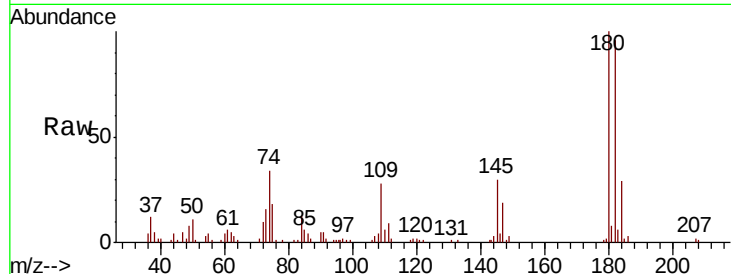
#93
 1,2,4-Trichlorobenzene
 Concen: 20.510 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	142.0
145	29.4	15.6	46.8

Manual Integrations
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MMDadoda
 11/12/2018 9:18:37 AM

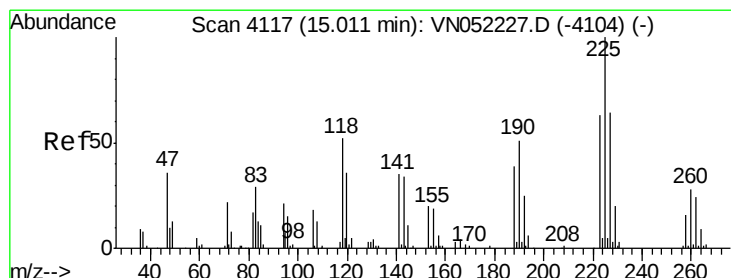
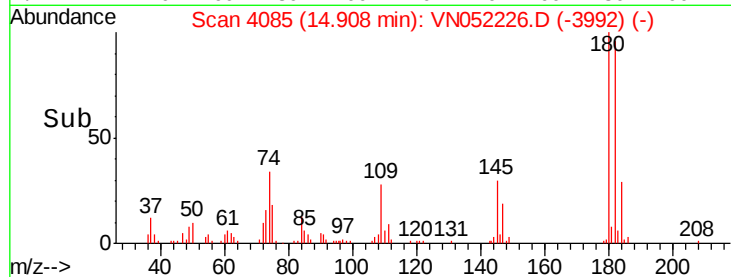
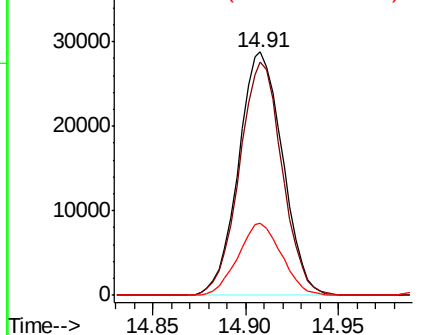


Abundance

Ion 179.80 (179.50 to 180.50): V

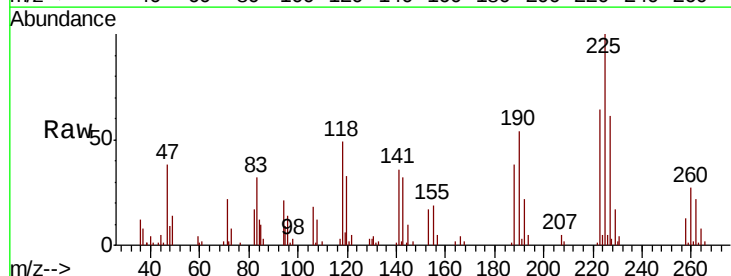
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.726 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052226.D
 Acq: 9 Nov 2018 14:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.1	96.3
227	64.0	31.8	95.4

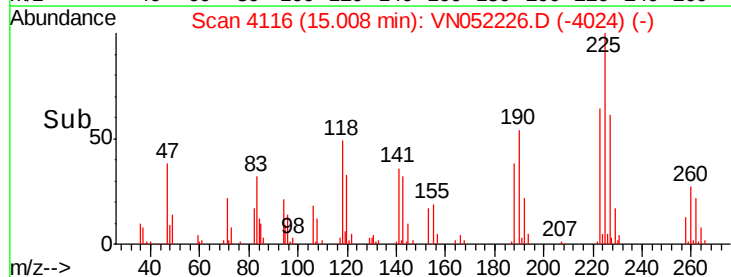
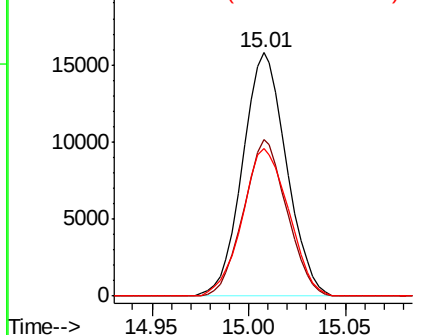


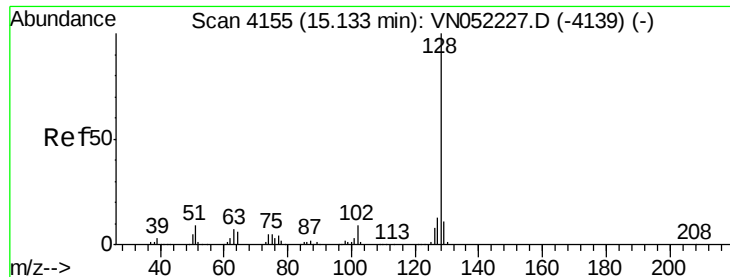
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.250 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Instrument :

MSVOA_N

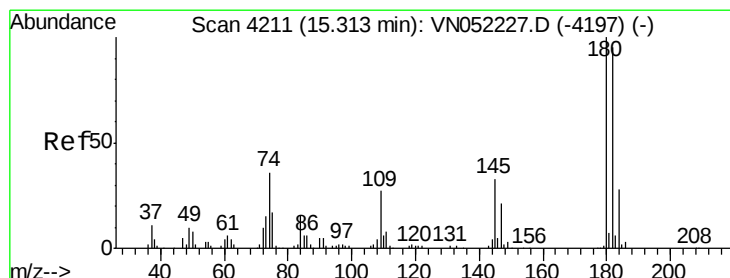
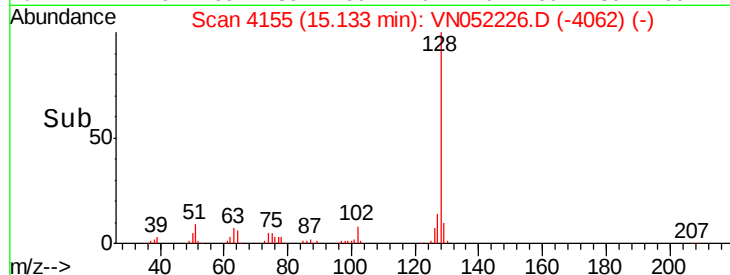
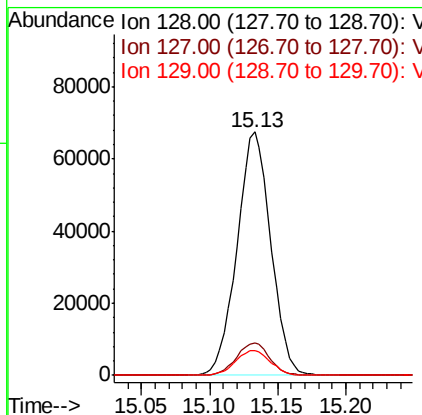
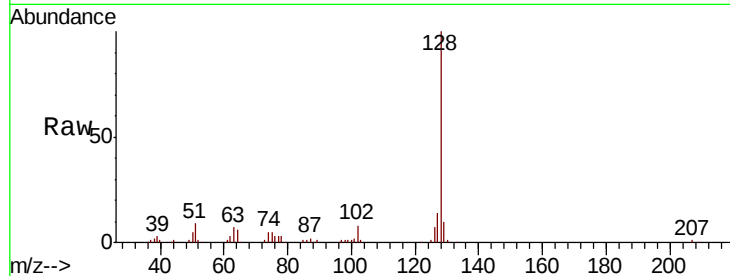
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	115750
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.6	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.751 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052226.D

Acq: 9 Nov 2018 14:33

Tgt Ion:	180	Resp:	43308
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.7	143.1
145	31.7	16.8	50.3

