

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050051.D
 Acq On : 25 Jul 2018 18:55
 Operator : MD\SY
 Sample : VN0725WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:54:47 PM

Quant Time: Jul 26 07:08:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	596353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	893928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409340	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	358641	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.09	98	1314706	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.40	95	422744	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	166689	19.45	ug/l	100
3) Chloromethane	2.06	50	178764	19.19	ug/l	98
4) Vinyl Chloride	2.18	62	189658	19.34	ug/l	98
5) Bromomethane	2.56	94	118827	21.24	ug/l	97
6) Chloroethane	2.70	64	108775	18.47	ug/l	97
7) Trichlorofluoromethane	3.01	101	241545	19.01	ug/l	99
8) Diethyl Ether	3.41	74	82038	19.37	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	138986	18.19	ug/l	99
10) Methyl Iodide	3.95	142	172685	17.61	ug/l	99
11) Tert butyl alcohol	4.80	59	59417	97.05	ug/l	98
12) 1,1-Dichloroethene	3.73	96	129735	18.88	ug/l	98
13) Acrolein	3.61	56	34023	69.17	ug/l	98
14) Allyl chloride	4.32	41	199924	18.76	ug/l	99
15) Acrylonitrile	5.00	53	256479	96.02	ug/l	100
16) Acetone	3.82	43	194348	96.50	ug/l	99
17) Carbon Disulfide	4.05	76	384364	18.25	ug/l	100
18) Methyl Acetate	4.33	43	160635	20.10	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	362979	19.82	ug/l	99
20) Methylene Chloride	4.55	84	151760	19.81	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	140341	19.27	ug/l	100
22) Diisopropyl ether	5.96	45	429387	20.32	ug/l	95
23) Vinyl Acetate	5.90	43	1436400	96.18	ug/l	100
24) 1,1-Dichloroethane	5.85	63	265789	19.23	ug/l	99
25) 2-Butanone	6.84	43	301124	94.88	ug/l	100
26) 2,2-Dichloropropane	6.83	77	192123	18.28	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	153799	19.62	ug/l	99
28) Bromochloromethane	7.20	49	122600	19.45	ug/l	99
29) Tetrahydrofuran	7.22	42	199437	97.25	ug/l	100
30) Chloroform	7.38	83	272696	19.34	ug/l	98
31) Cyclohexane	7.66	56	211886	18.45	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	232347	19.26	ug/l	100
36) 1,1-Dichloropropene	7.80	75	196085	19.47	ug/l	99
37) Ethyl Acetate	6.94	43	134653	19.18	ug/l	98
38) Carbon Tetrachloride	7.78	117	202769	18.97	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 06:27:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	185902	17.94	ug/l	99
40) Benzene	8.04	78	596379	19.46	ug/l	99
41) Methacrylonitrile	7.18	41	69113	20.61	ug/l	86
42) 1,2-Dichloroethane	8.13	62	198387	19.40	ug/l	100
43) Isopropyl Acetate	8.17	43	250114	18.18	ug/l	97
44) Trichloroethene	8.84	130	154324	18.74	ug/l	97
45) 1,2-Dichloropropane	9.12	63	157726	19.43	ug/l	100
46) Dibromomethane	9.21	93	97909	19.43	ug/l	98
47) Bromodichloromethane	9.41	83	202743	19.06	ug/l	99
48) Methyl methacrylate	9.20	41	116499	19.26	ug/l	100
49) 1,4-Dioxane	9.20	88	32423	393.97	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	681711	98.76	ug/l	99
52) Toluene	10.16	92	369017	20.40	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	192482	19.17	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	223036	19.44	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	142071	19.80	ug/l	99
56) Ethyl methacrylate	10.43	69	164865	18.30	ug/l	100
57) 1,3-Dichloropropane	10.71	76	231758	19.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	391664	91.83	ug/l	100
59) 2-Hexanone	10.76	43	443127	90.73	ug/l	99
60) Dibromochloromethane	10.90	129	156912	19.75	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137622	19.33	ug/l	100
64) Tetrachloroethene	10.63	164	150582	19.27	ug/l	97
65) Chlorobenzene	11.44	112	390774	19.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	149060	18.90	ug/l	99
67) Ethyl Benzene	11.52	91	641958	19.47	ug/l	99
68) m/p-Xylenes	11.62	106	502171	40.26	ug/l	100
69) o-Xylene	11.95	106	238597	20.07	ug/l	97
70) Styrene	11.97	104	375594	18.36	ug/l	100
71) Bromoform	12.13	173	109087	19.01	ug/l #	100
73) Isopropylbenzene	12.25	105	630444	19.99	ug/l	100
74) N-amyl acetate	12.07	43	175908	18.25	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	178688	20.16	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	157370m	20.83	ug/l	
77) Bromobenzene	12.53	156	166950	19.10	ug/l	99
78) n-propylbenzene	12.59	91	711830	20.20	ug/l	100
79) 2-Chlorotoluene	12.68	91	437978	20.05	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	520910	21.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43674	18.33	ug/l	94
82) 4-Chlorotoluene	12.78	91	438006	20.25	ug/l	100
83) tert-Butylbenzene	13.00	119	439063	20.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	535006	21.40	ug/l	98
85) sec-Butylbenzene	13.17	105	590312	20.41	ug/l	100
86) p-Isopropyltoluene	13.29	119	497363	20.41	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	286650	19.35	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	277801	19.24	ug/l	99
89) n-Butylbenzene	13.62	91	376720	18.80	ug/l	99
90) Hexachloroethane	13.88	117	99903	18.46	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	287960	19.44	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27420	19.01	ug/l	99

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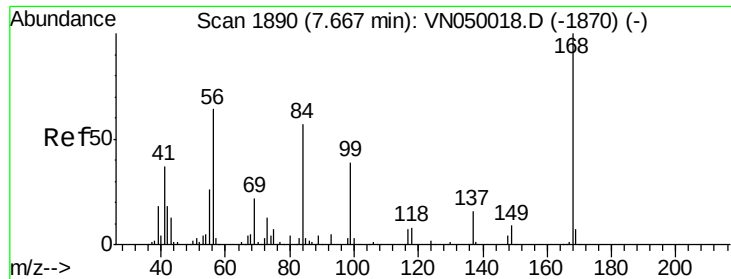
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116837	17.04	ug/l	97
94) Hexachlorobutadiene	15.01	225	86574	19.10	ug/l	97
95) Naphthalene	15.14	128	242225	16.31	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	124766	17.80	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion:168 Resp: 596353

Ion Ratio Lower Upper

168 100

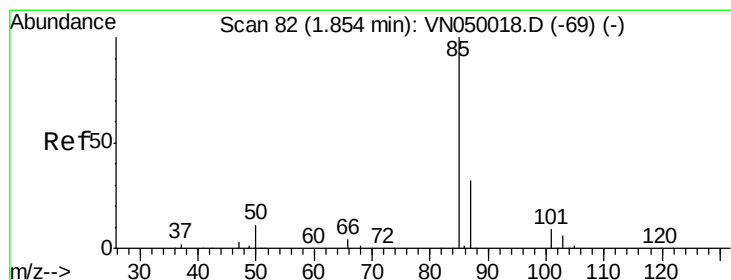
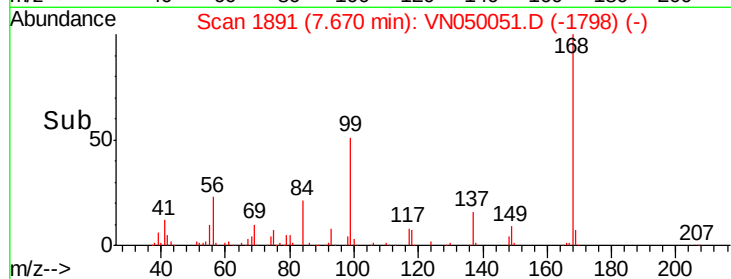
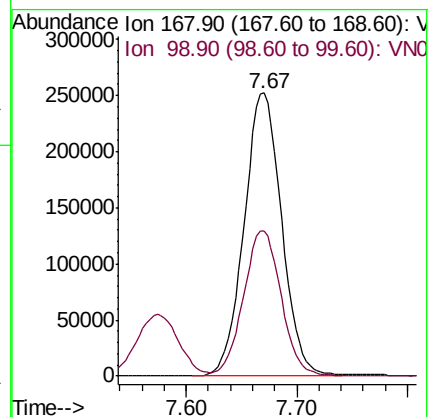
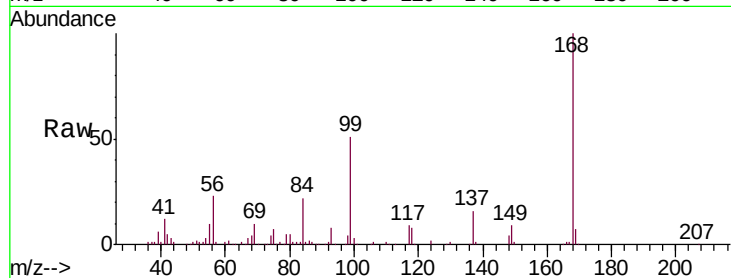
99 51.0 40.0 60.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.45 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050051.D

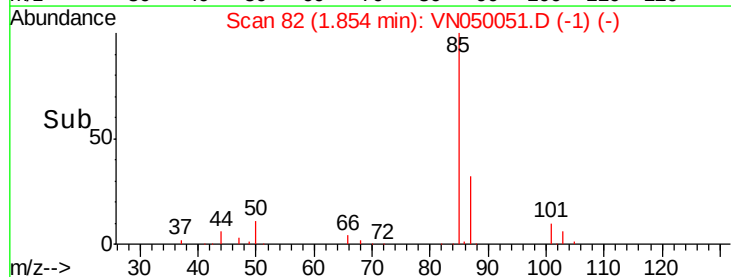
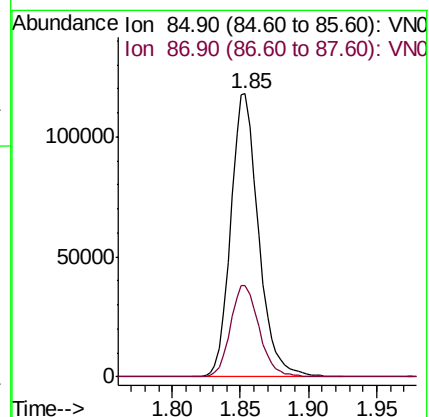
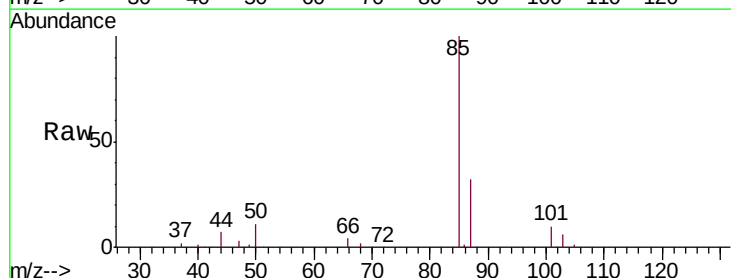
Acq: 25 Jul 2018 18:55

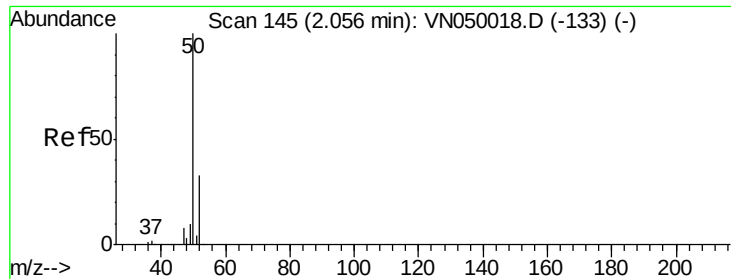
Tgt Ion: 85 Resp: 166689

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3





#3

Chloromethane

Concen: 19.19 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 50 Resp: 178764

Ion Ratio Lower Upper

50 100

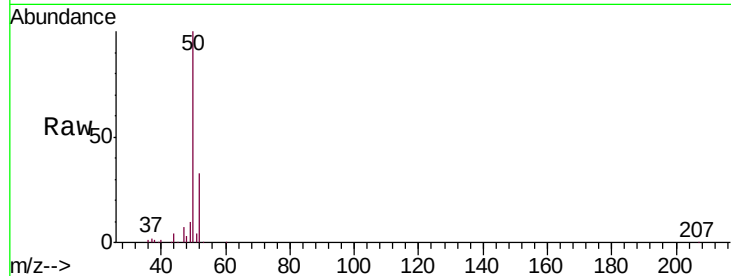
52 33.5 25.9 38.9

Manual Integrations

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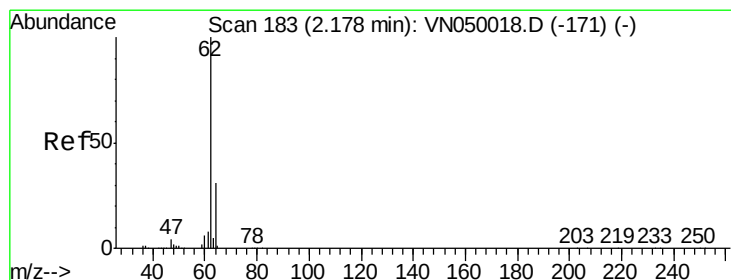
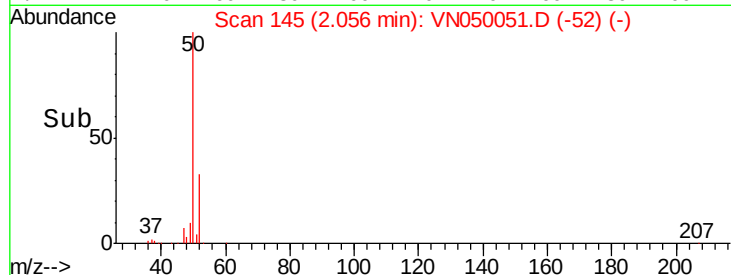
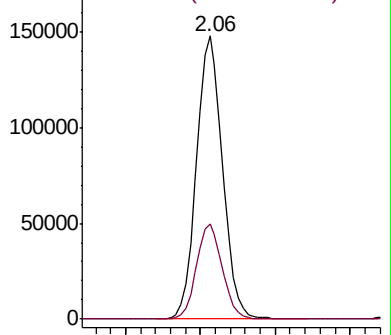
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.34 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050051.D

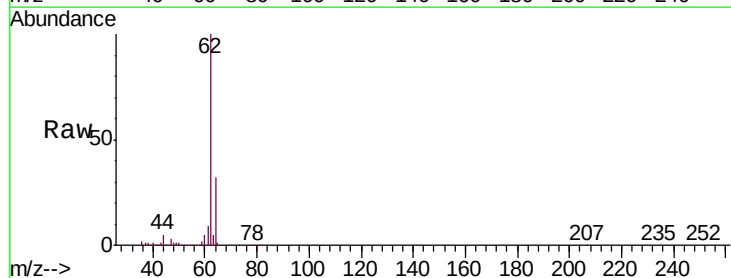
Acq: 25 Jul 2018 18:55

Tgt Ion: 62 Resp: 189658

Ion Ratio Lower Upper

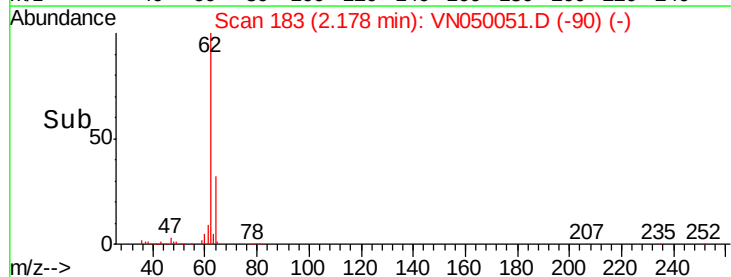
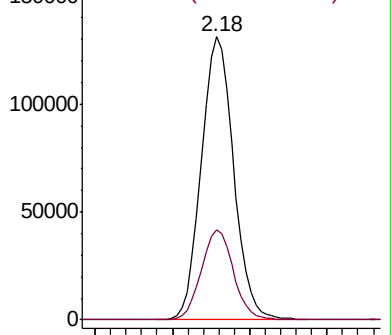
62 100

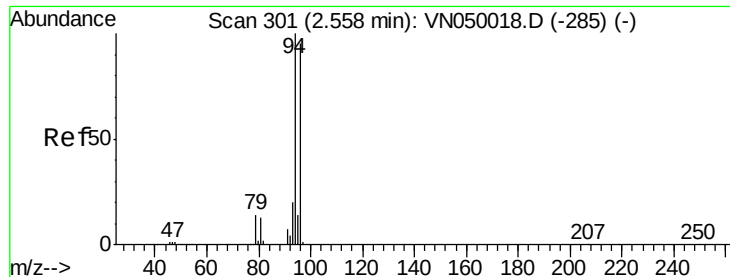
64 31.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.24 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

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ClientSampleId :

VN0725WBS02

Tot Ion: 94 Resp: 118827

Ion Ratio Lower Upper

94 100

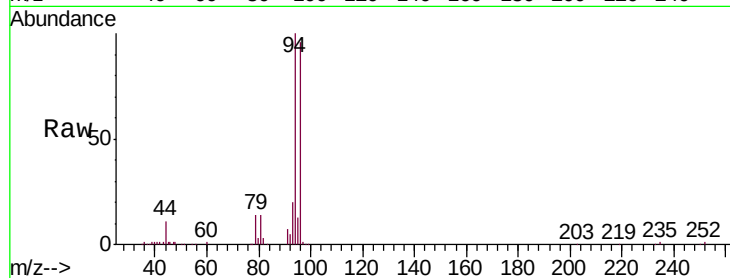
96 96.1 74.6 112.0

Manual Integrations

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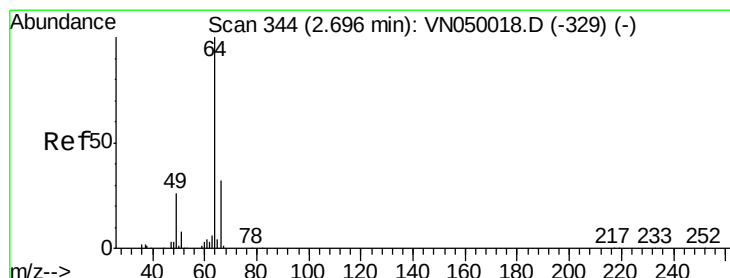
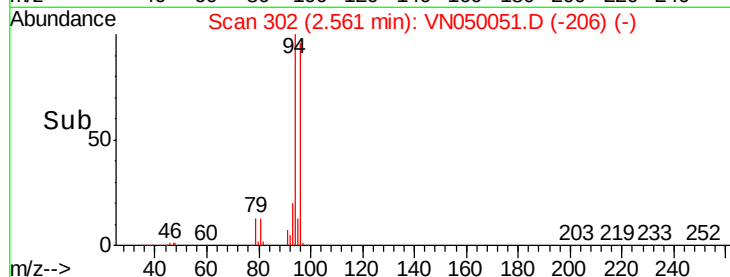
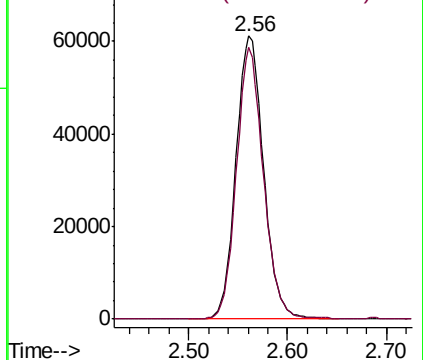
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.47 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VN050051.D

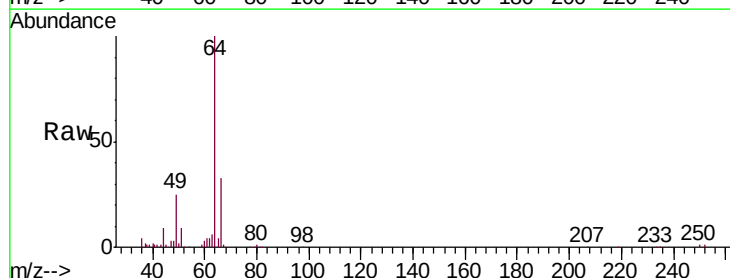
Acq: 25 Jul 2018 18:55

Tgt Ion: 64 Resp: 108775

Ion Ratio Lower Upper

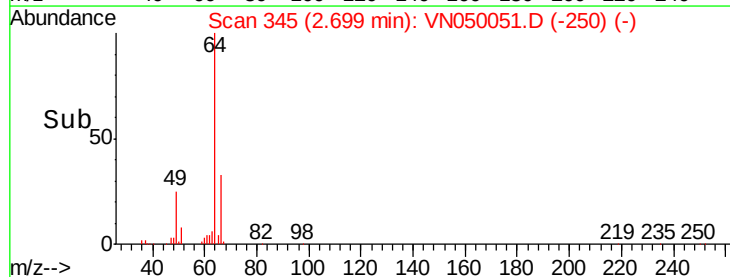
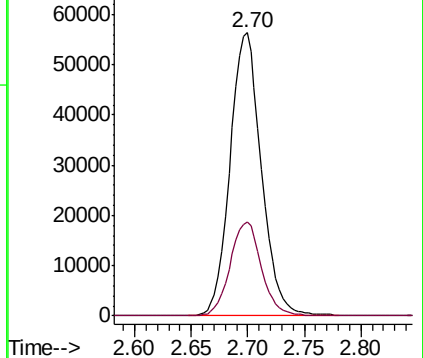
64 100

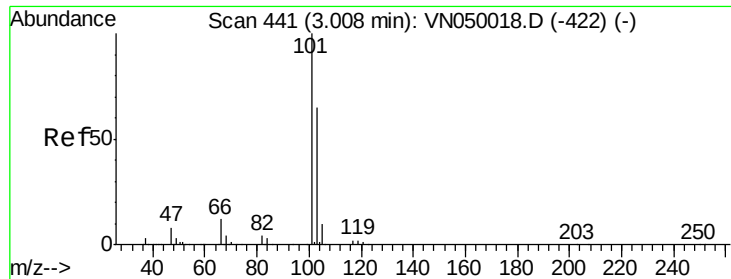
66 33.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

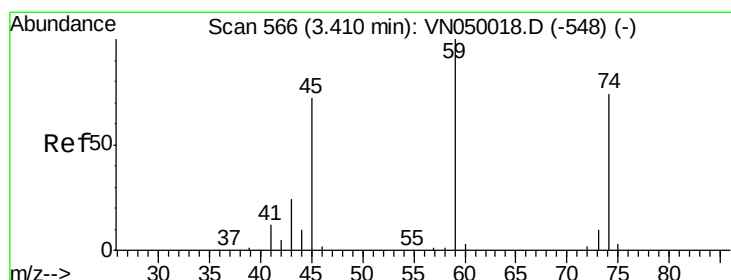
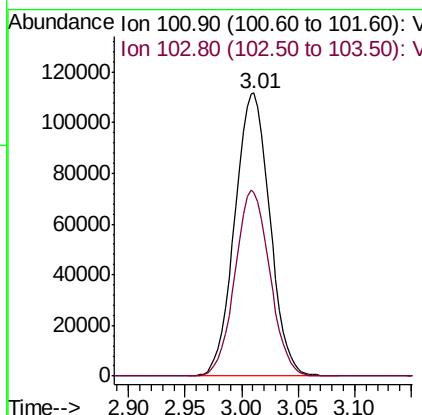
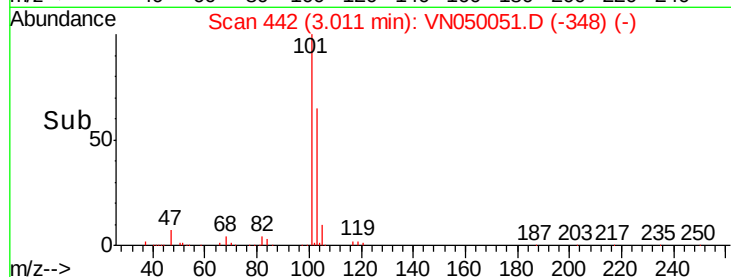
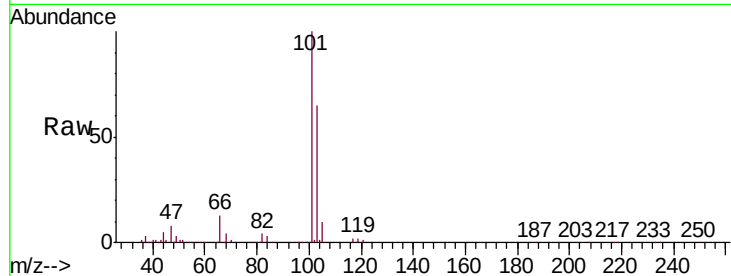
Trichlorofluoromethane
Concen: 19.01 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
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VN0725WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		241545		
103	65.1	51.7	77.5		

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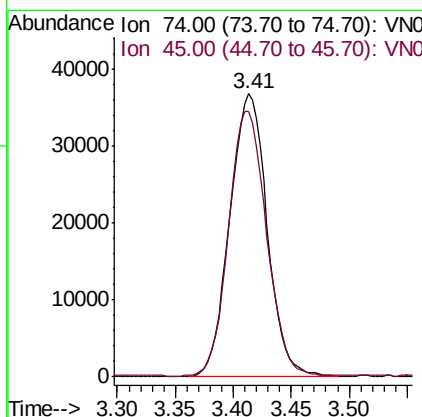
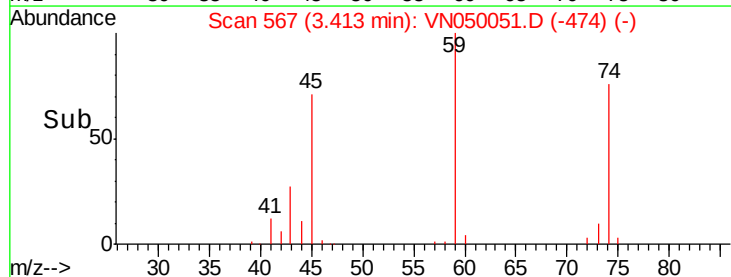
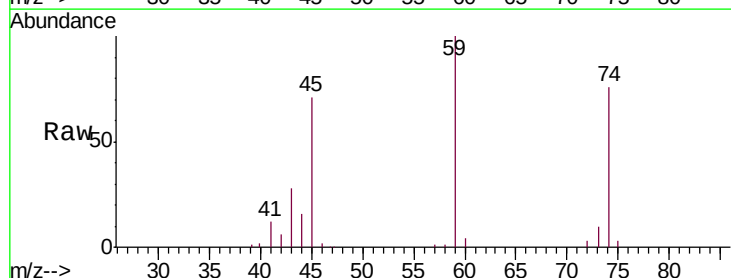
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7/26/2018 3:54:47 PM

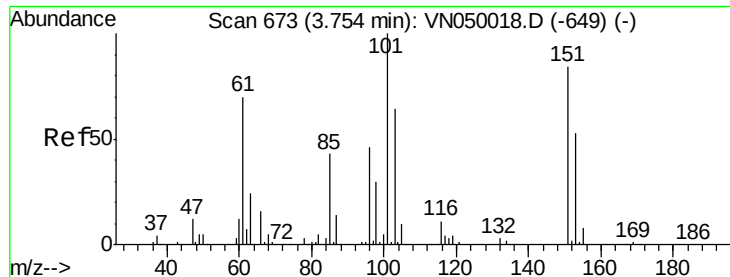


#8

Diethyl Ether
Concen: 19.37 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		82038		
45	95.8	47.6	142.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.19 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

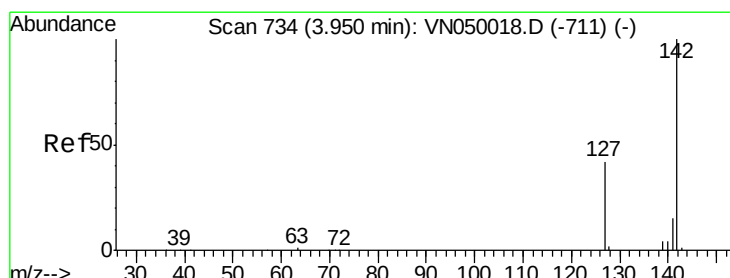
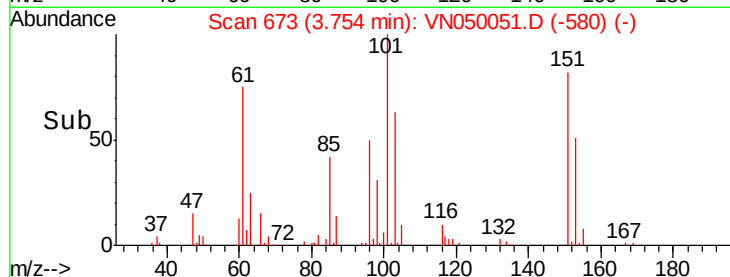
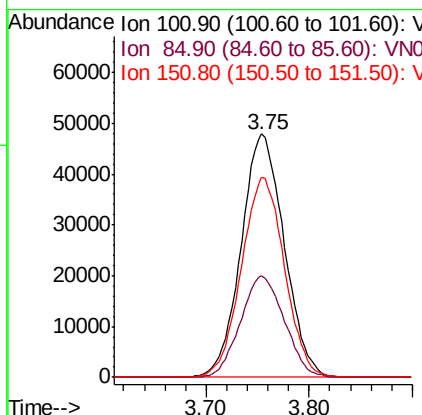
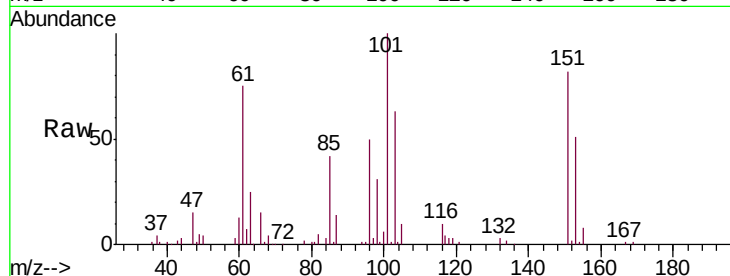
ClientSampleId :

VN0725WBS02

Tot Ion:	101	Resp:	138986
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	82.1	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 17.61 ug/l

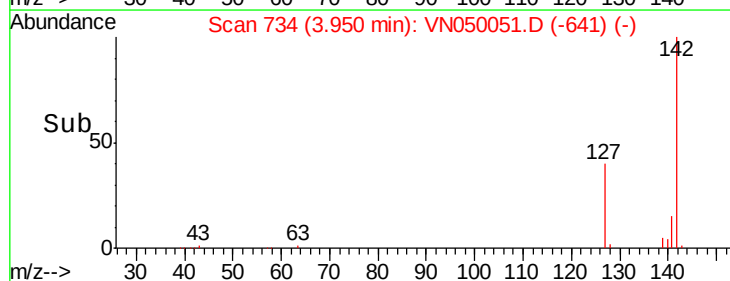
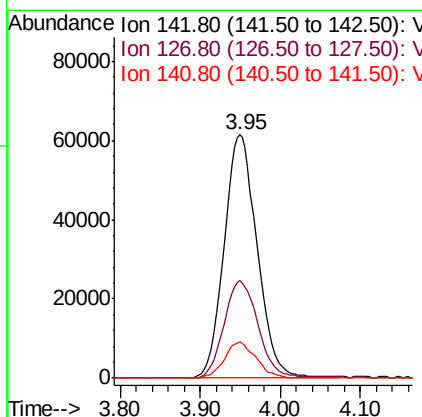
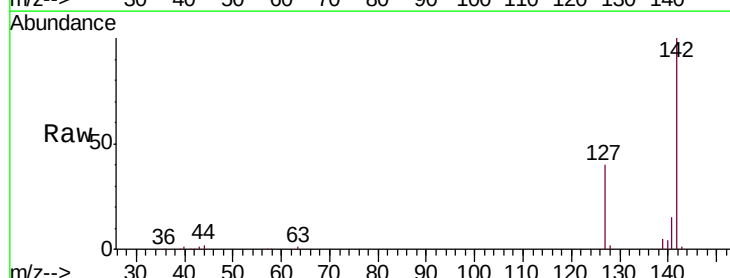
RT: 3.95 min Scan# 734

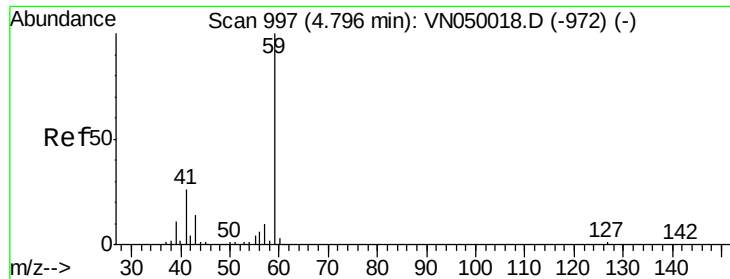
Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion:	142	Resp:	172685
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.4	50.2
141	14.2	11.6	17.4





#11

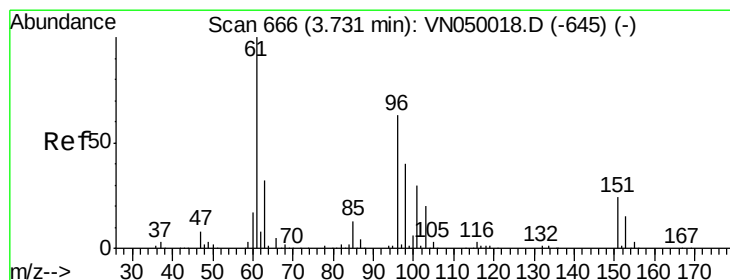
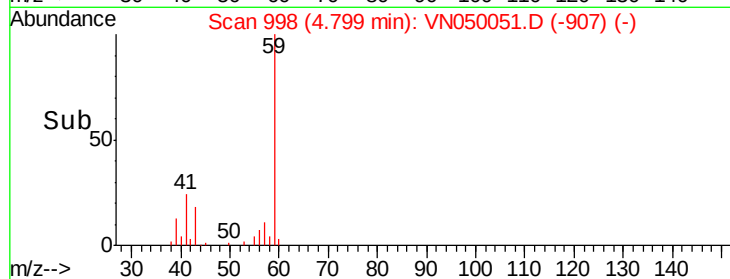
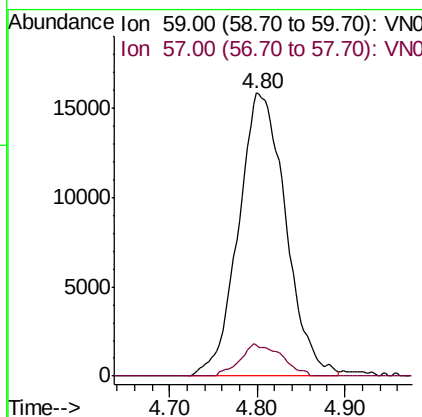
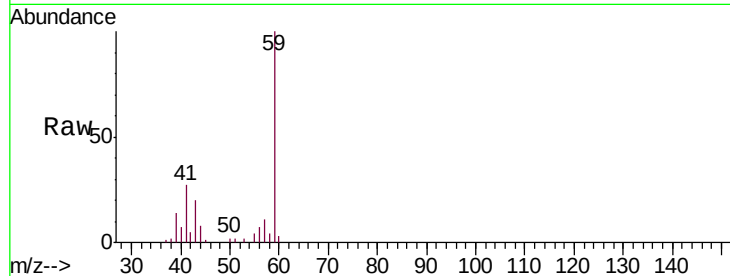
Tert butyl alcohol
 Concen: 97.05 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

Manual Integrations
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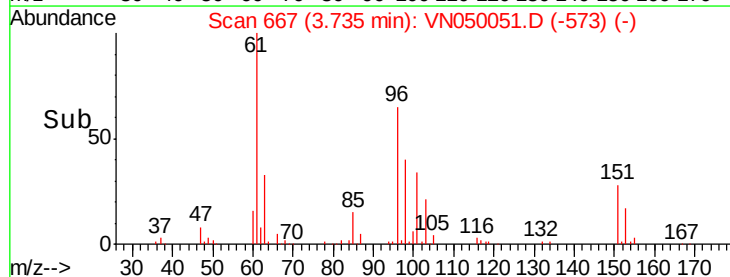
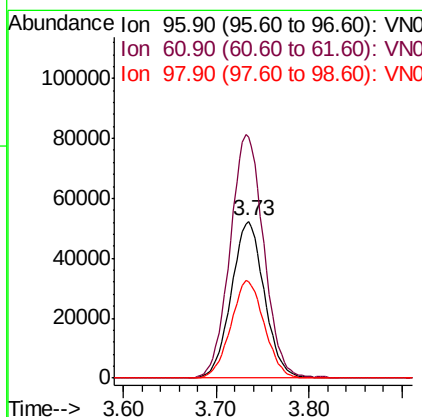
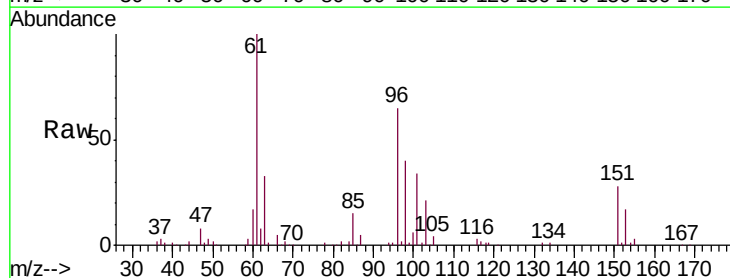
MMDadoda
 7/26/2018 3:54:47 PM

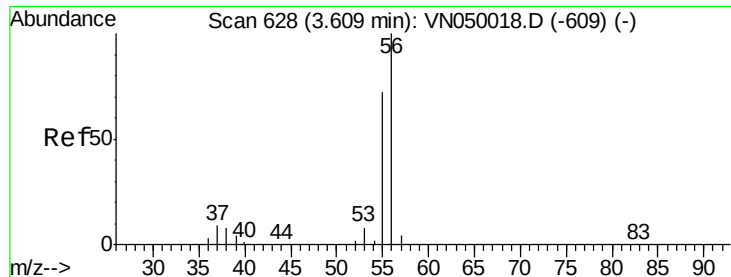


#12

1,1-Dichloroethene
 Concen: 18.88 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	124.4	186.6
98	61.8	48.3	72.5





#13

Acrolein

Concen: 69.17 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 56 Resp: 34023

Ion Ratio Lower Upper

56 100

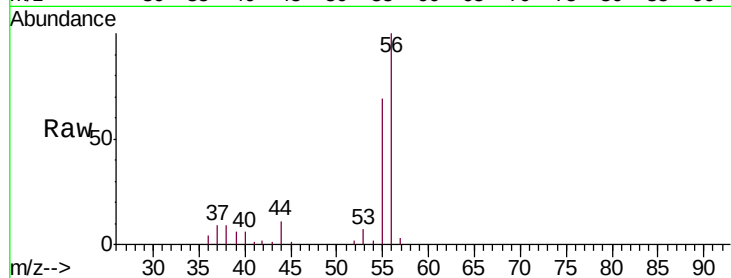
55 71.3 55.8 83.6

Manual Integrations

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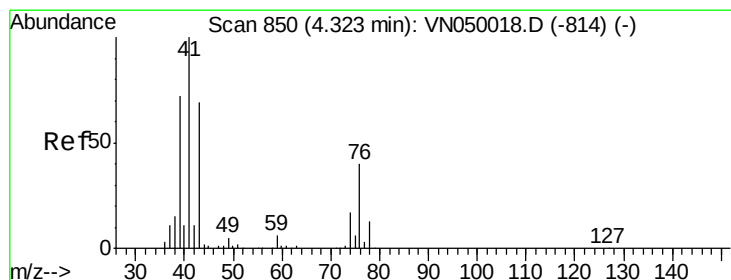
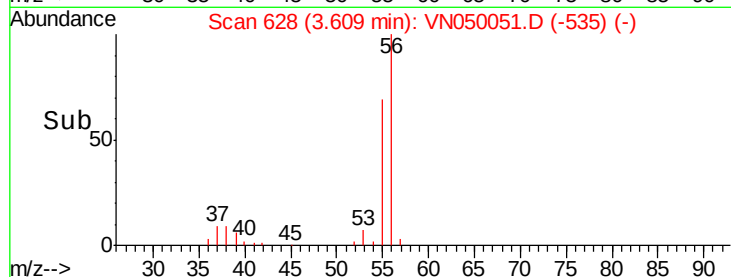
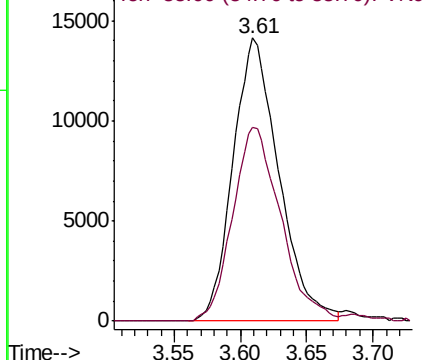
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.76 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

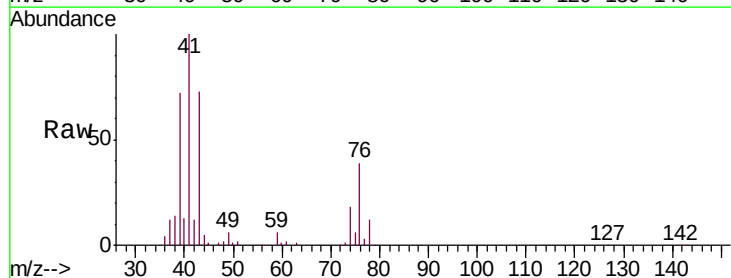
Tgt Ion: 41 Resp: 199924

Ion Ratio Lower Upper

41 100

39 68.4 54.2 81.4

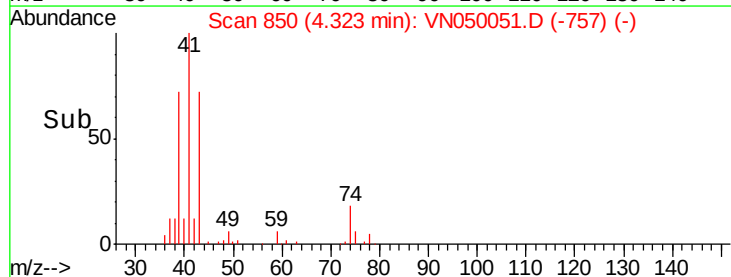
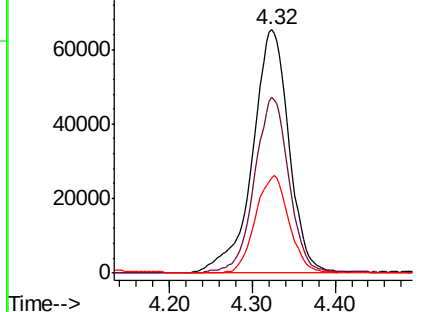
76 37.0 29.0 43.6

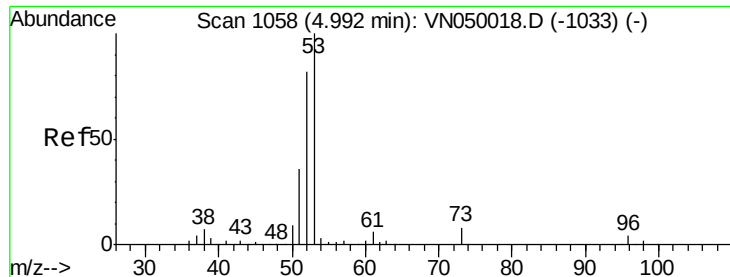


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





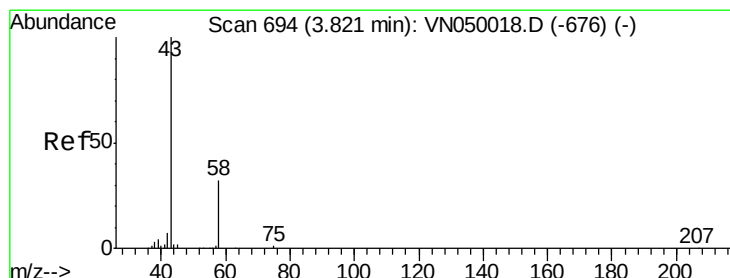
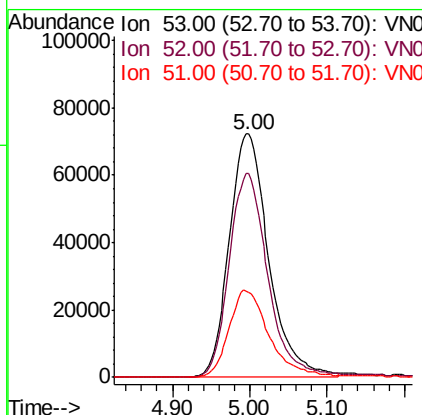
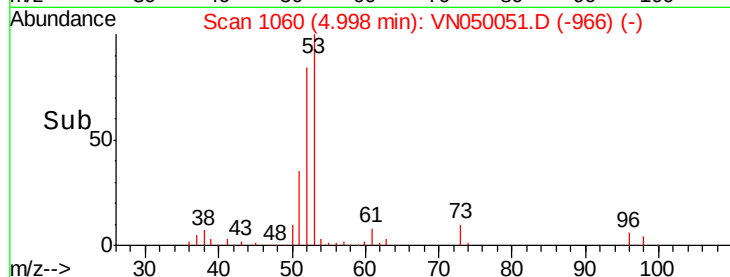
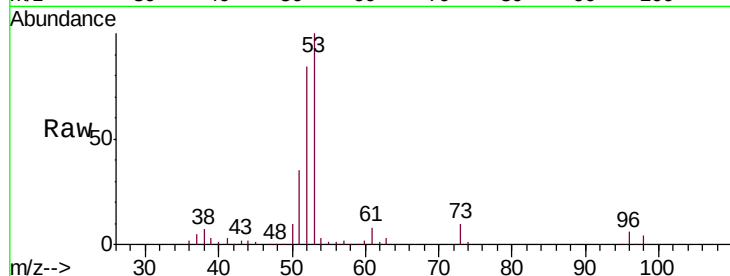
#15
 Acrylonitrile
 Concen: 96.02 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	36.5	29.3	43.9

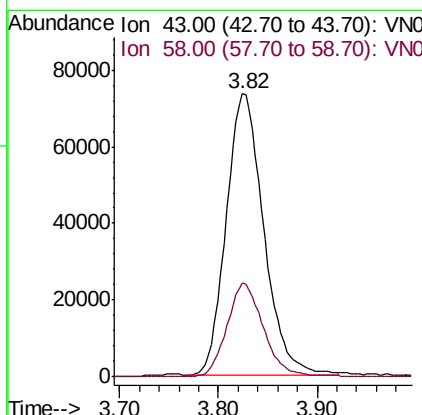
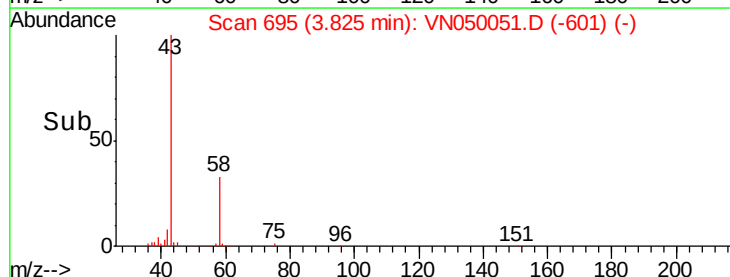
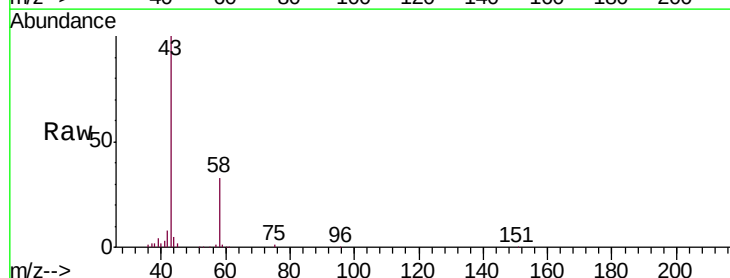
Manual Integrations
 APPROVED

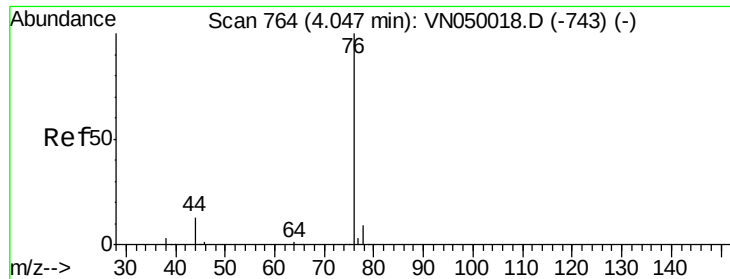
MMDadoda
 7/26/2018 3:54:47 PM



#16
 Acetone
 Concen: 96.50 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.8	38.8





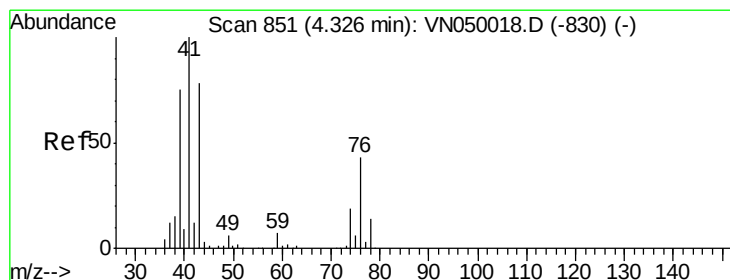
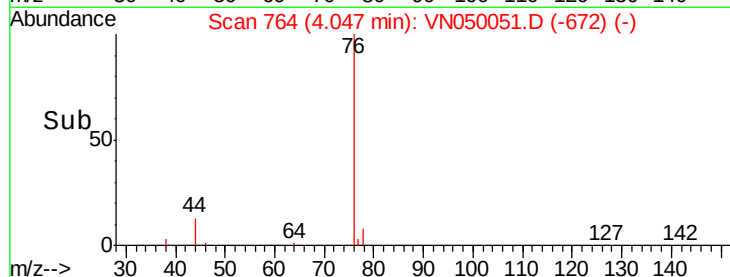
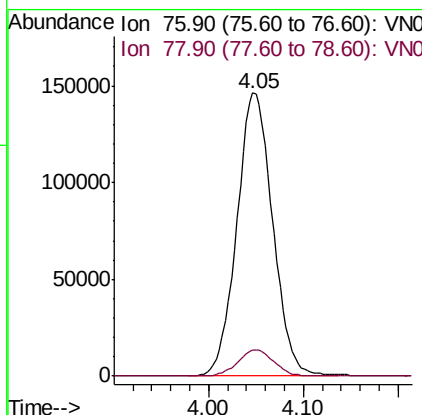
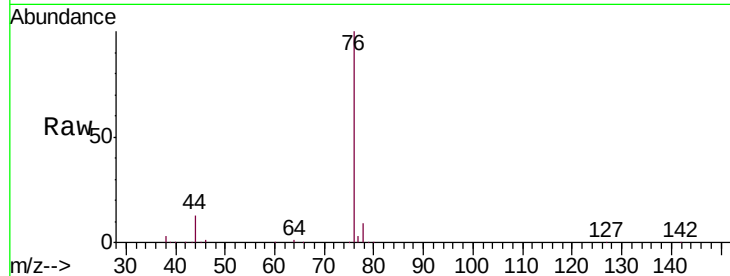
#17
Carbon Disulfide
Concen: 18.25 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

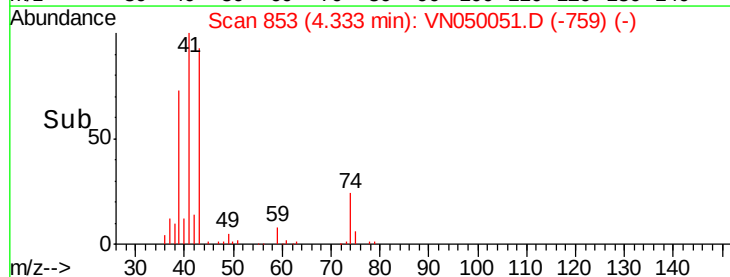
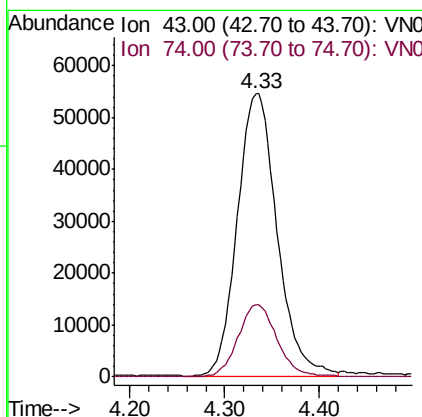
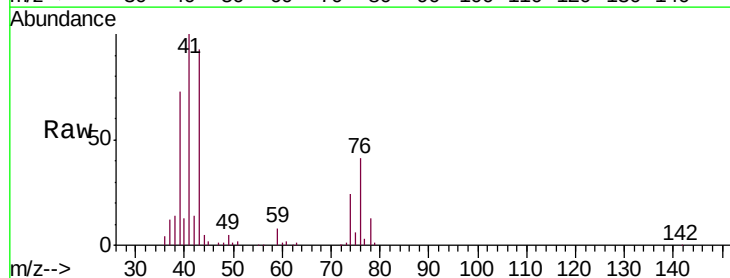
Manual Integrations
APPROVED

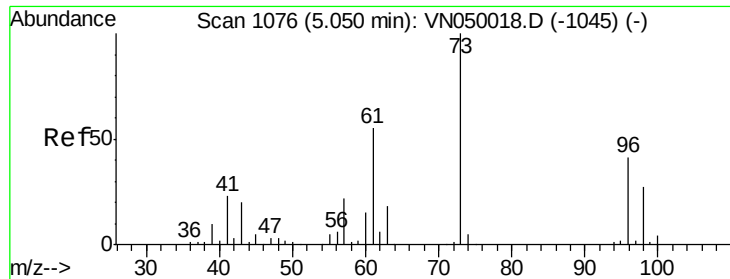
MMDadoda
7/26/2018 3:54:47 PM



#18
Methyl Acetate
Concen: 20.10 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8





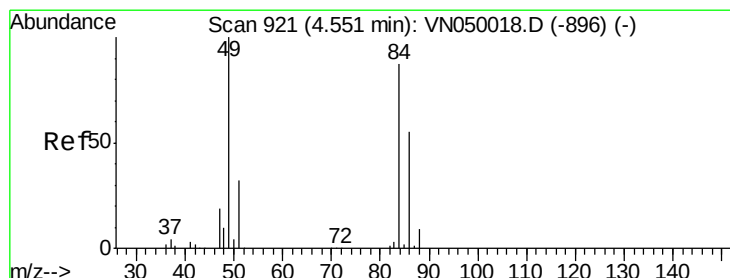
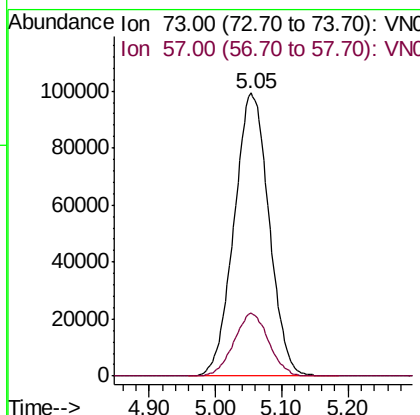
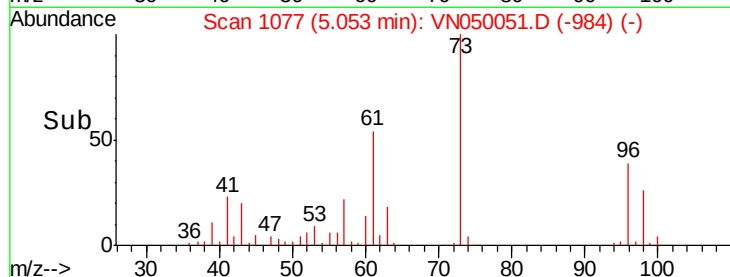
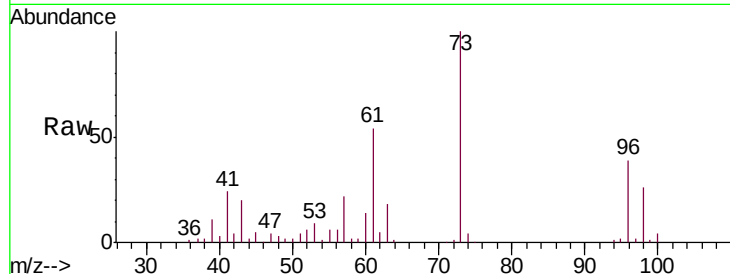
#19
Methyl tert-butyl Ether
Concen: 19.82 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion: 73 Resp: 362979
Ion Ratio Lower Upper
73 100
57 22.1 18.0 27.0

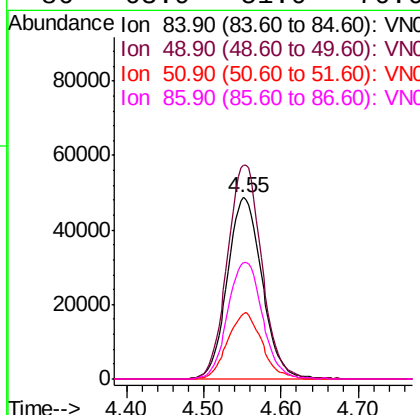
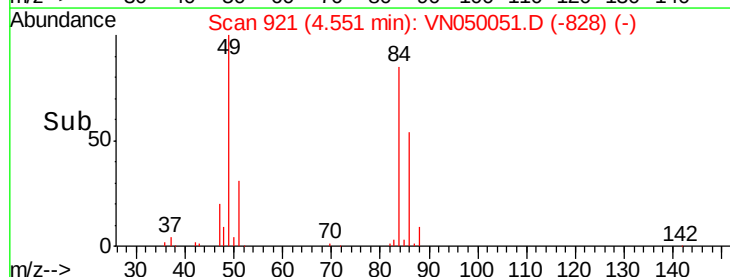
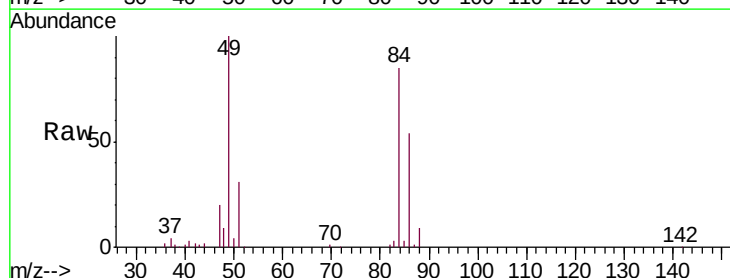
Manual Integrations
APPROVED

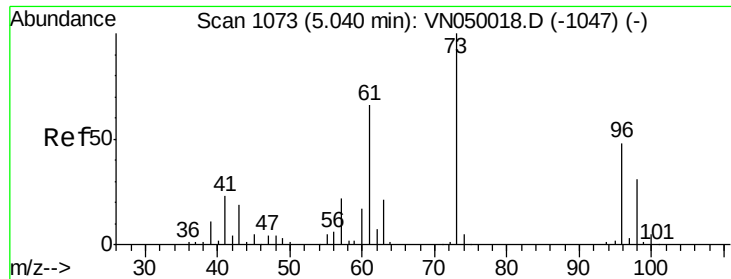
MMDadoda
7/26/2018 3:54:47 PM



#20
Methylene Chloride
Concen: 19.81 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 84 Resp: 151760
Ion Ratio Lower Upper
84 100
49 117.5 94.8 142.2
51 36.1 28.3 42.5
86 63.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.27 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

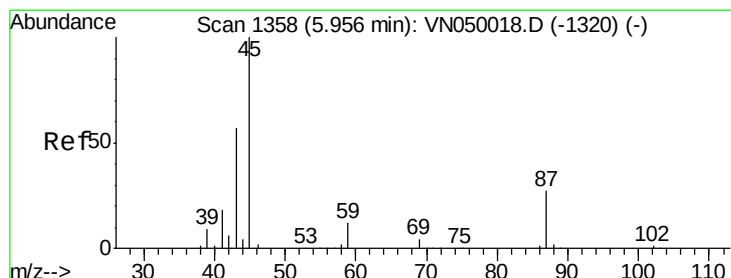
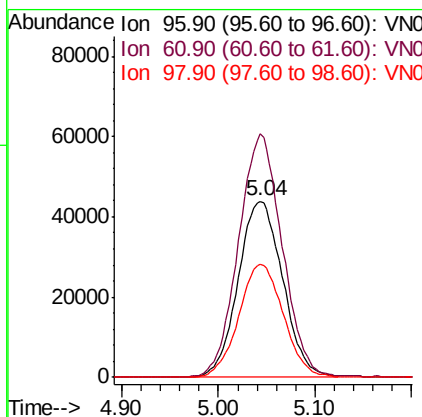
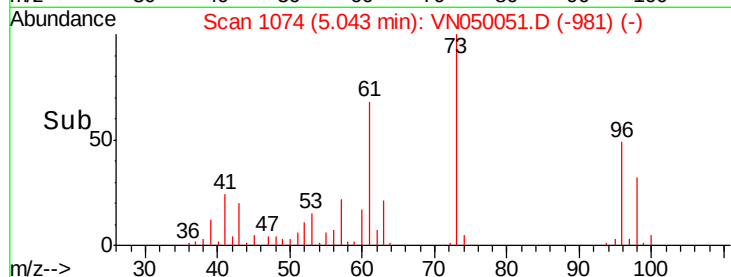
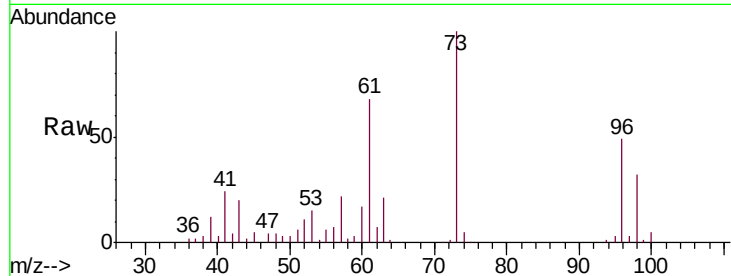
ClientSampleId :

VN0725WBS02

Tot Ion:	96	Resp:	140341
Ion	Ratio	Lower	Upper
96	100		
61	138.3	110.7	166.1
98	64.1	51.6	77.4

Manual Integrations
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7/26/2018 3:54:47 PM



#22

Diisopropyl ether

Concen: 20.32 ug/l

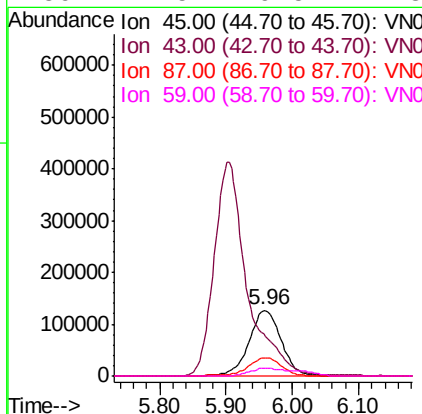
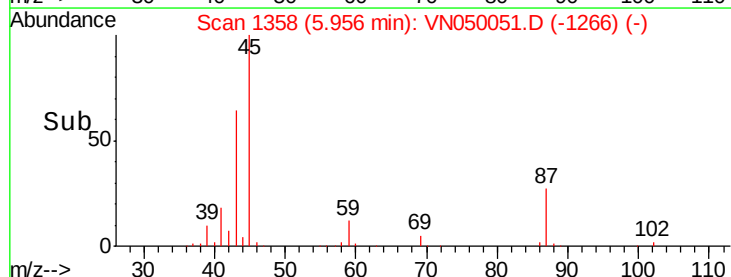
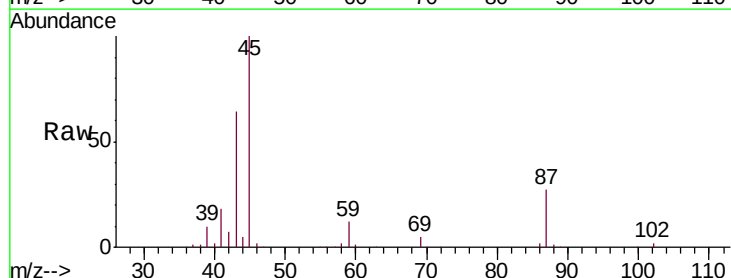
RT: 5.96 min Scan# 1358

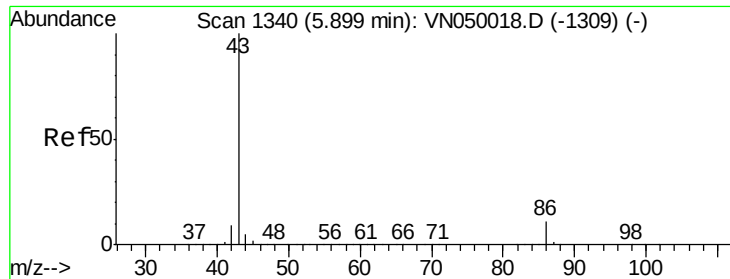
Delta R.T. -0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion:	45	Resp:	429387
Ion	Ratio	Lower	Upper
45	100		
43	62.3	45.7	68.5
87	26.7	22.7	34.1
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 96.18 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 43 Resp: 1436400

Ion Ratio Lower Upper

43 100

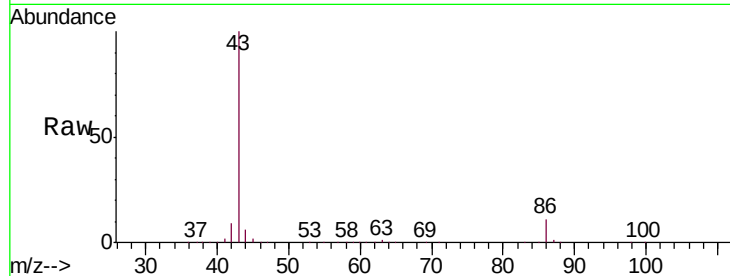
86 11.0 8.6 13.0

Manual Integrations

APPROVED

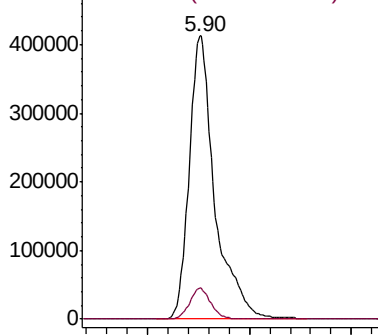
MMDadoda

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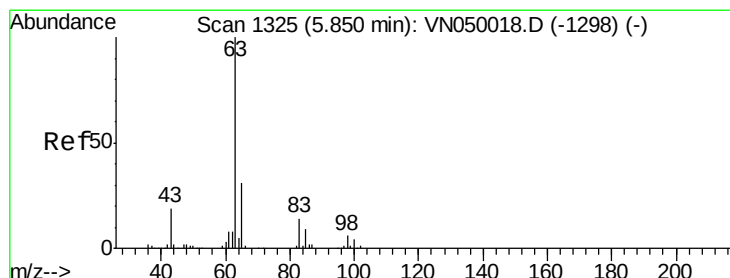
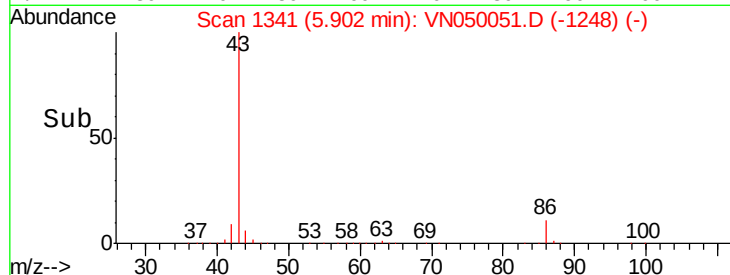


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.23 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

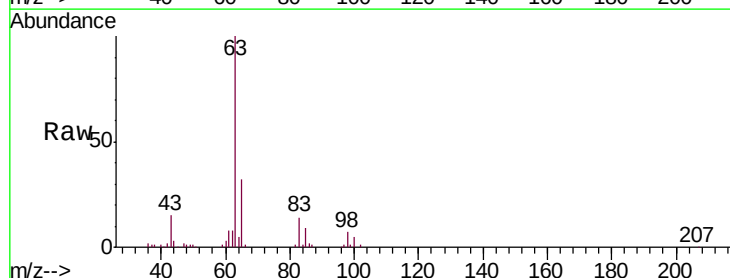
Tgt Ion: 63 Resp: 265789

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

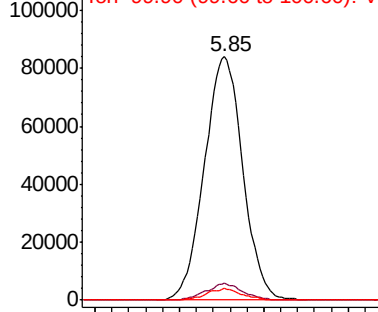
100 4.7 2.1 6.3



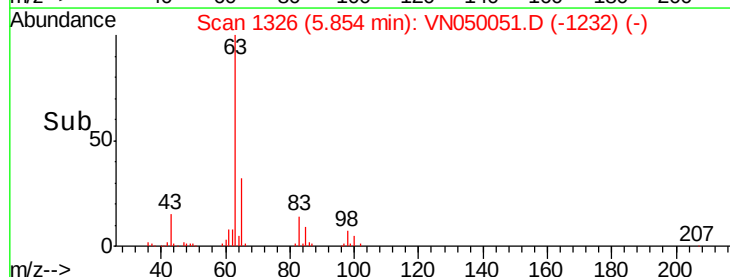
Abundance Ion 62.90 (62.60 to 63.60): VN0

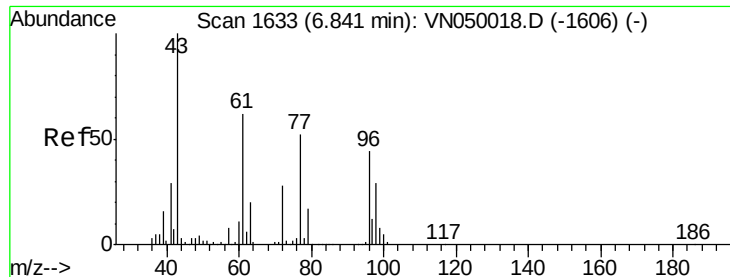
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 94.88 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 43 Resp: 301124

Ion Ratio Lower Upper

43 100

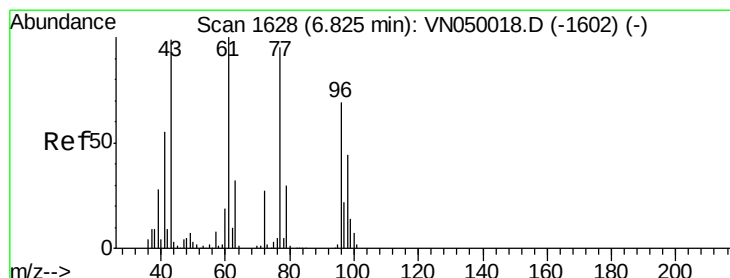
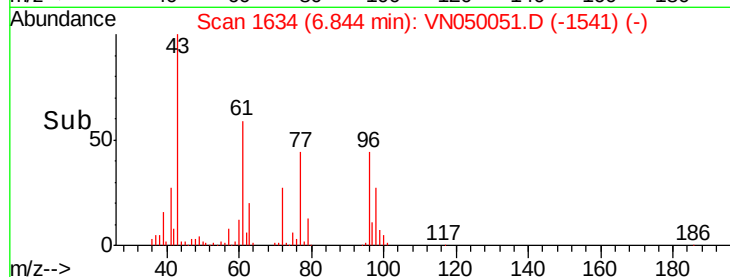
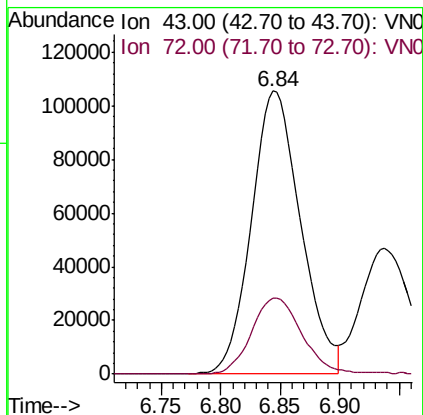
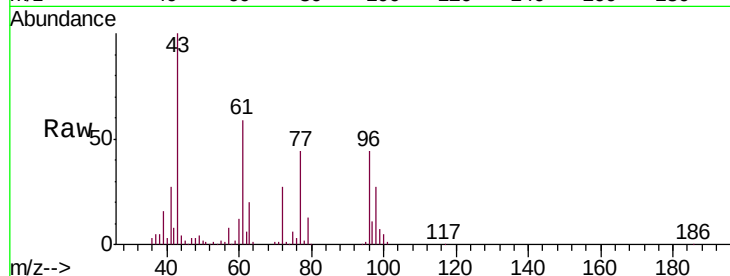
72 26.8 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

7/26/2018 3:54:47 PM



#26

2,2-Dichloropropane

Concen: 18.28 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050051.D

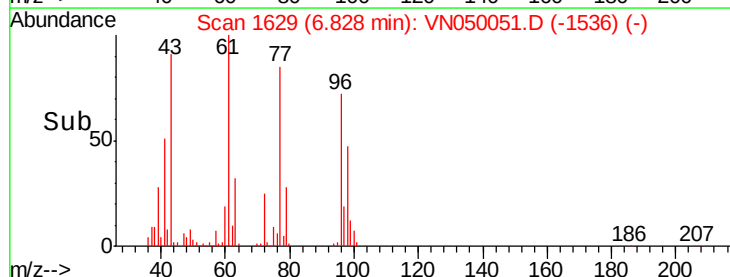
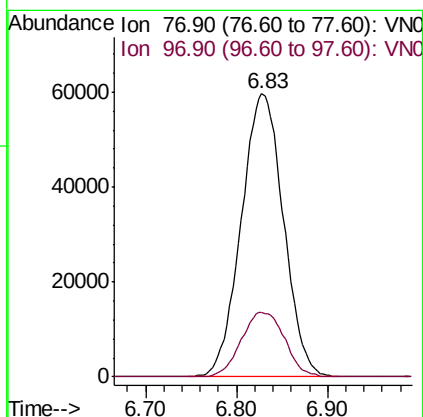
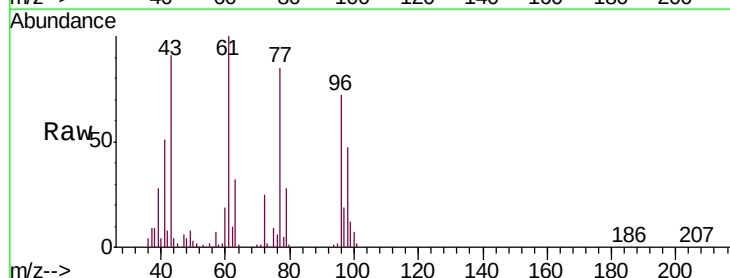
Acq: 25 Jul 2018 18:55

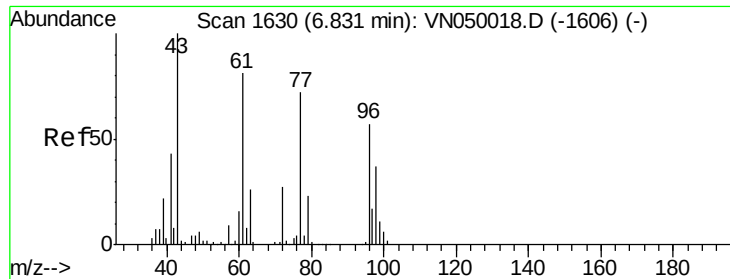
Tgt Ion: 77 Resp: 192123

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





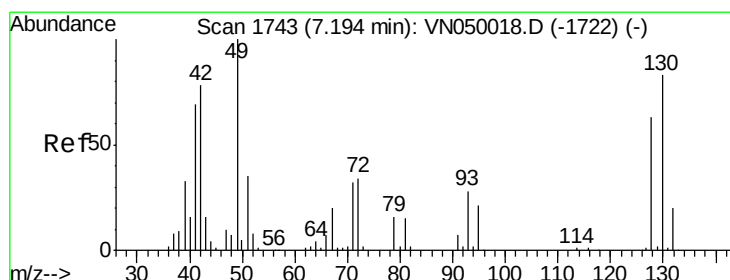
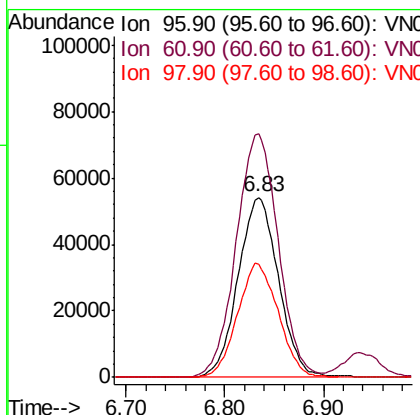
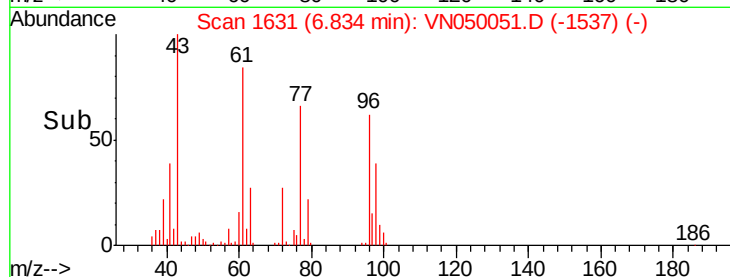
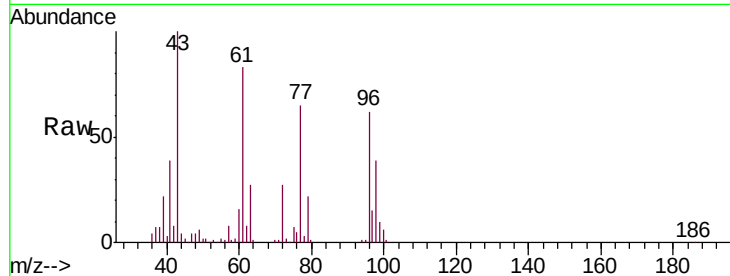
#27
 cis-1,2-Dichloroethene
 Concen: 19.62 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	153799		
61	140.4	0.0	285.0	
98	63.8	0.0	129.2	

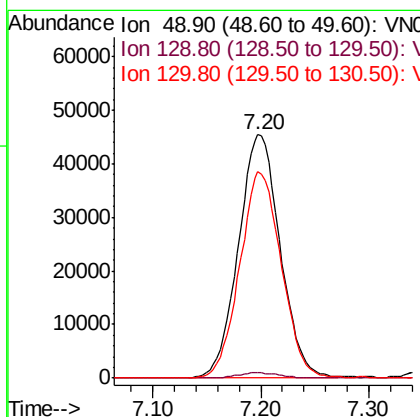
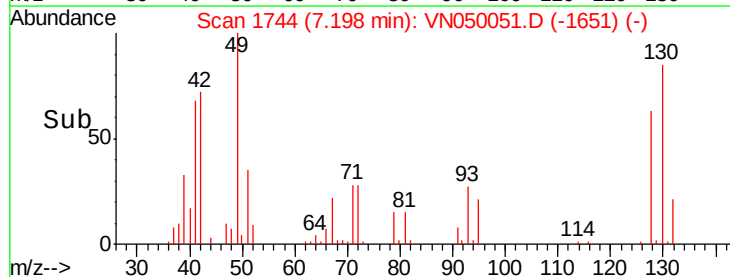
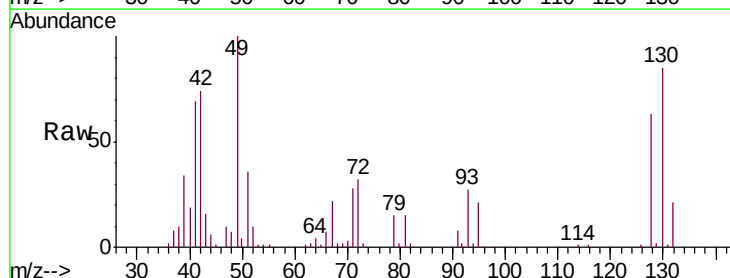
Manual Integrations
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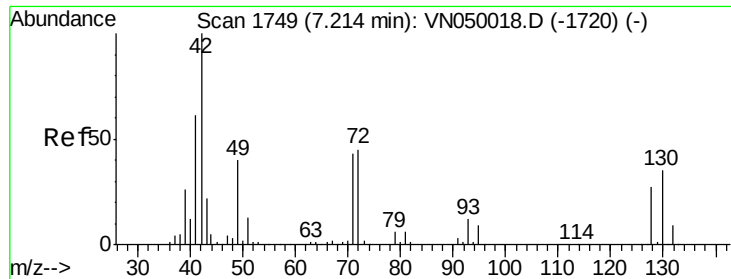
MMDadoda
 7/26/2018 3:54:47 PM



#28
 Bromochloromethane
 Concen: 19.45 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122600		
129	2.2	0.0	4.0	
130	84.2	66.3	99.5	





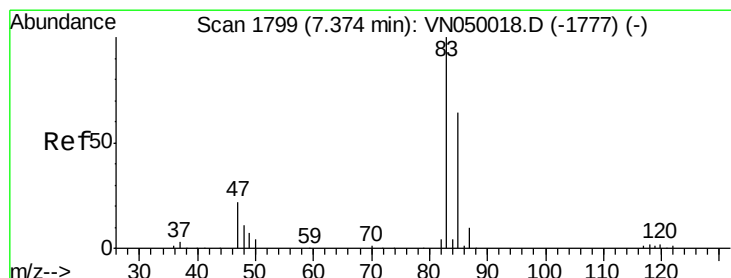
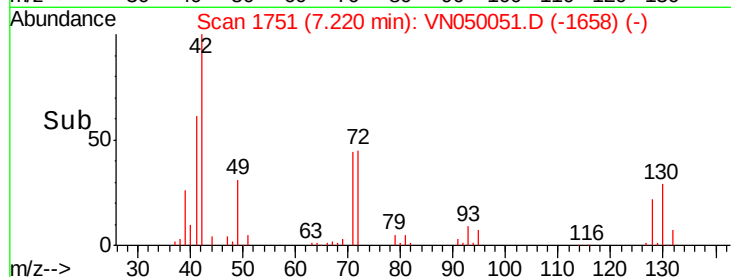
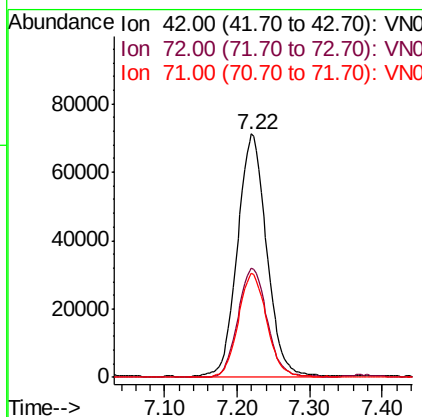
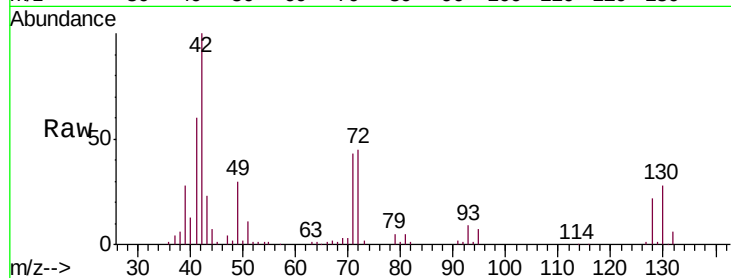
#29
Tetrahydrofuran
Concen: 97.25 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	42.0	33.7	50.5

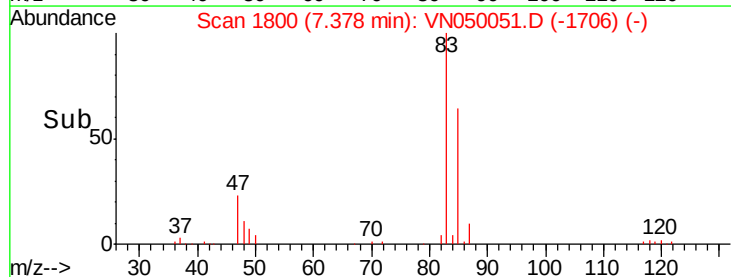
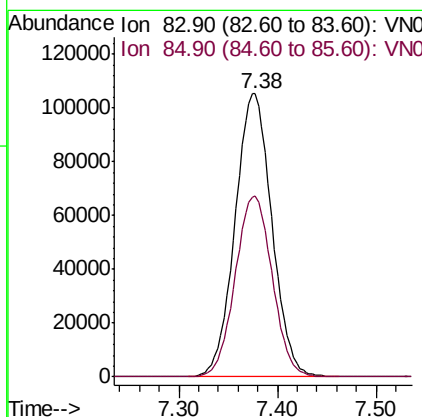
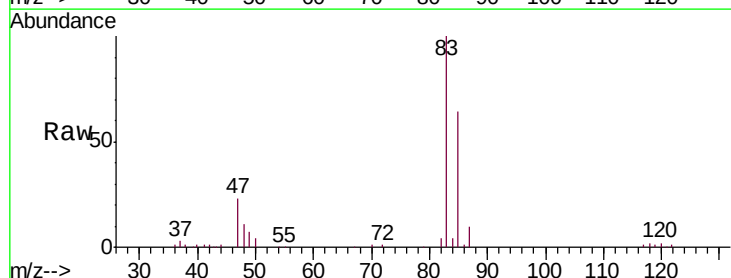
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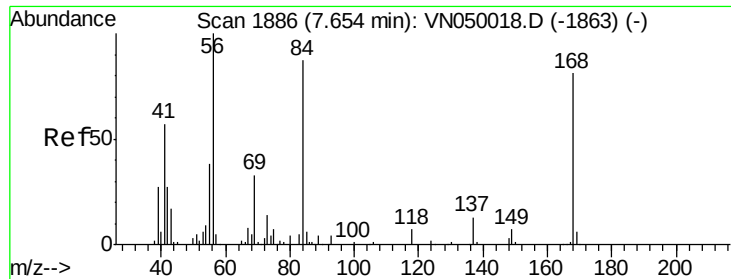
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#30
Chloroform
Concen: 19.34 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.5	78.7





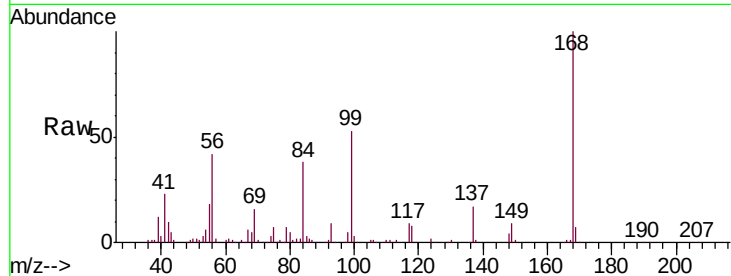
#31
Cyclohexane
Concen: 18.45 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

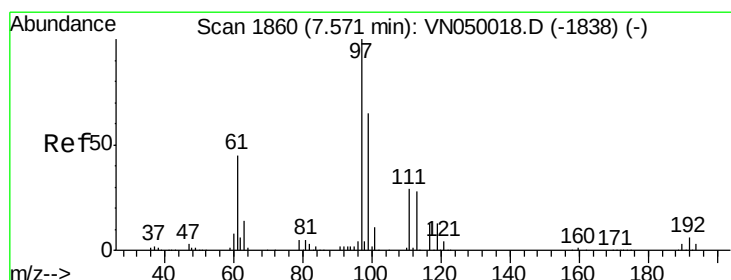
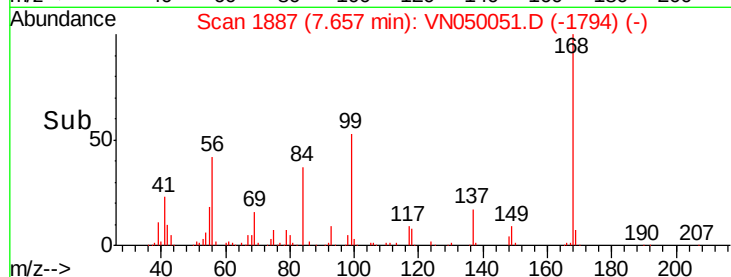
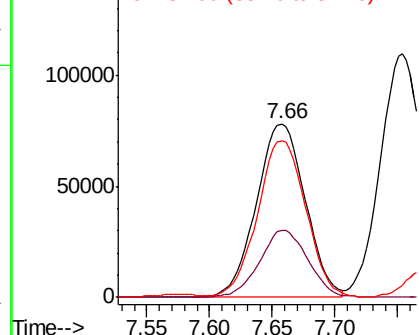
Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	26.2	39.4
84	89.2	67.4	101.0

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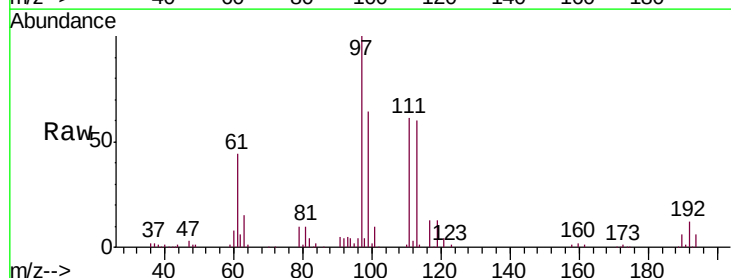


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

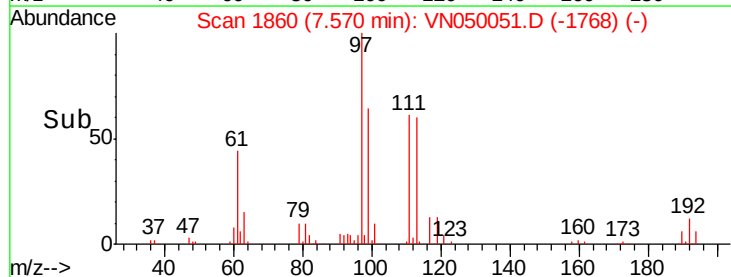
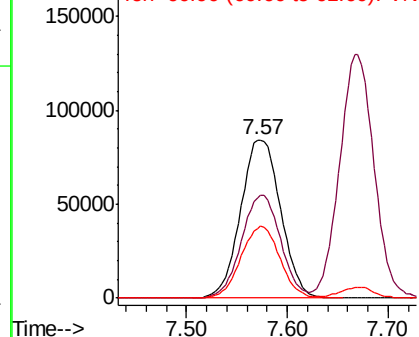


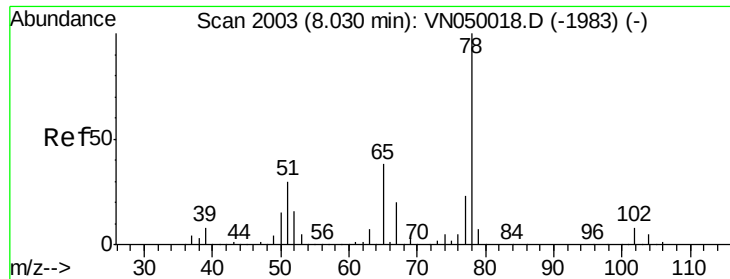
#32
1,1,1-Trichloroethane
Concen: 19.26 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	44.3	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





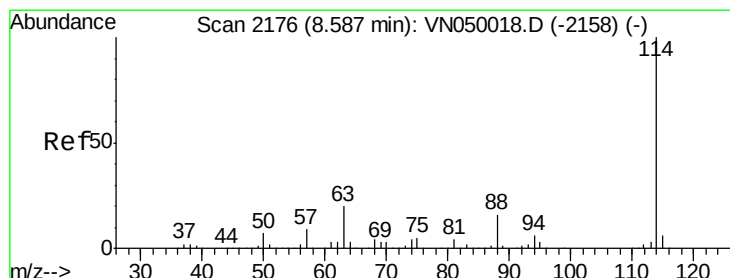
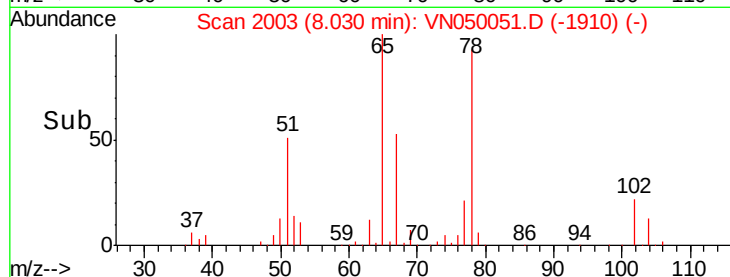
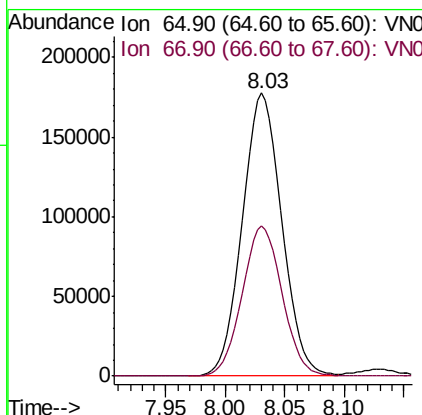
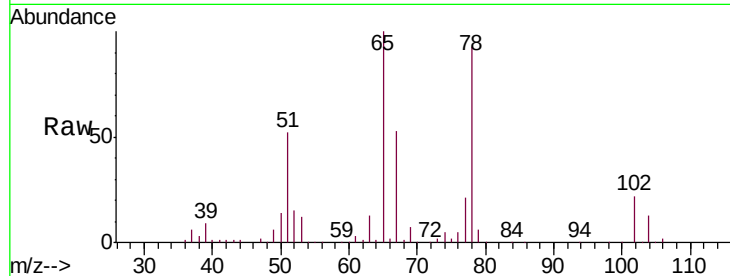
#33
 1,2-Dichloroethane-d4
 Concen: 49.20 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	108.4	

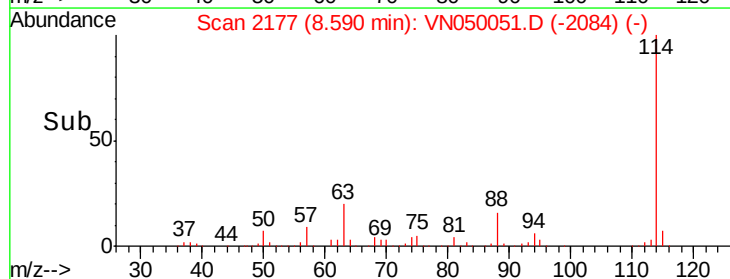
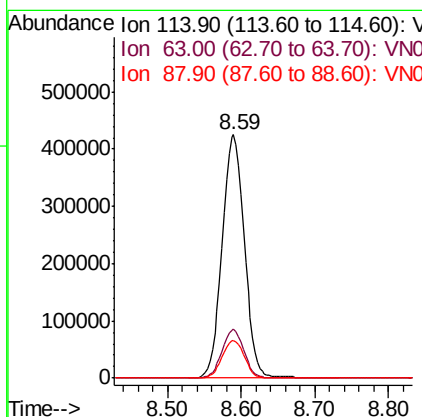
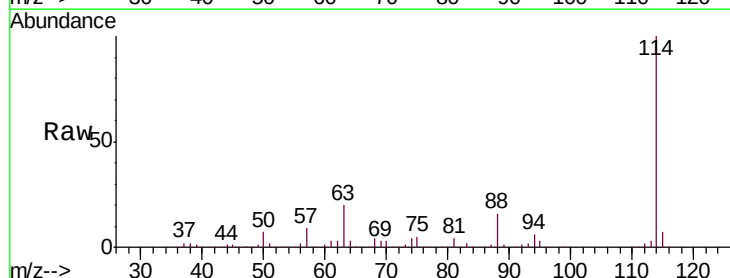
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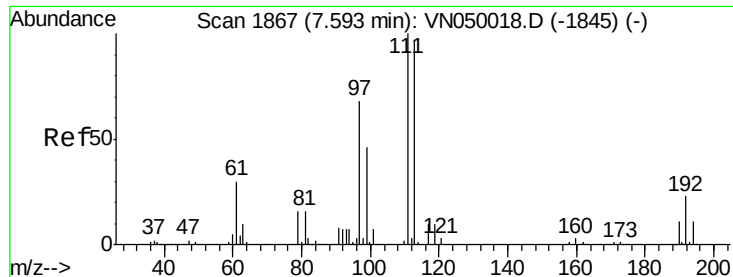
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	40.0	
88	15.6	0.0	31.2	





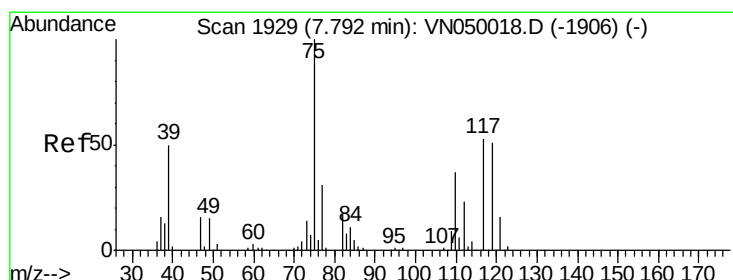
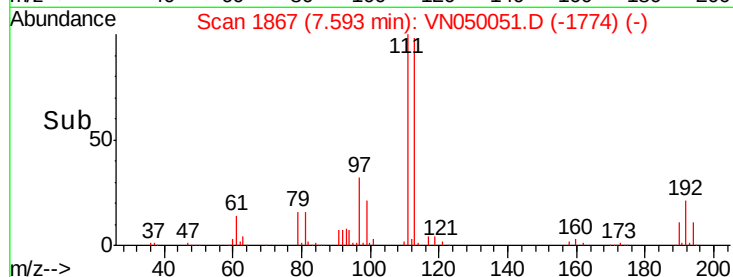
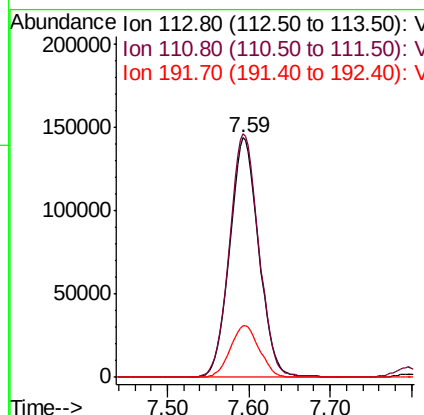
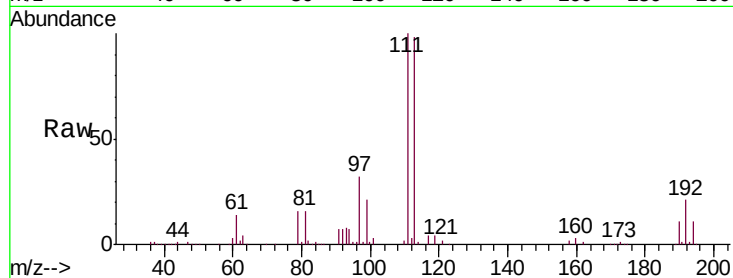
#35
 Dibromofluoromethane
 Concen: 49.14 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	80.7	121.1	
192	21.6	17.8	26.6	

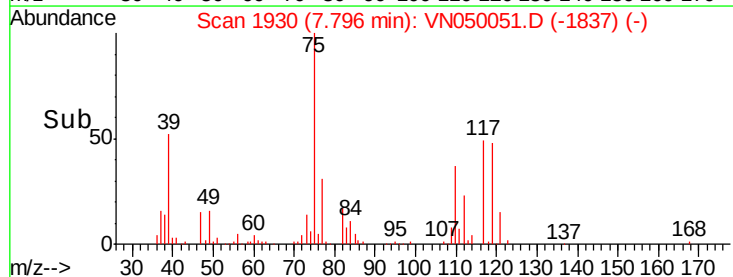
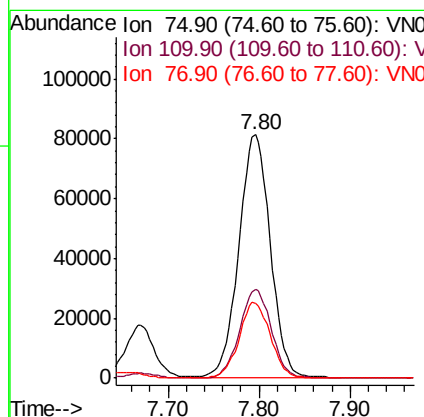
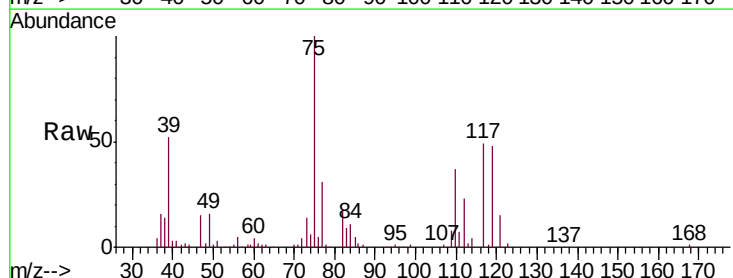
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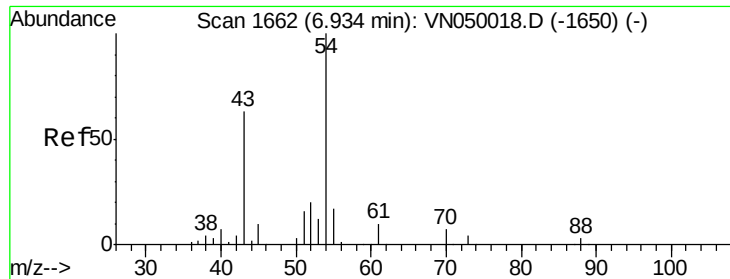
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#36
 1,1-Dichloropropene
 Concen: 19.47 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.4	55.2	
77	30.9	25.3	37.9	





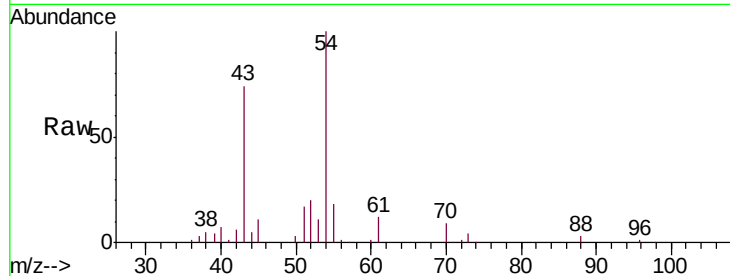
#37
Ethyl Acetate
Concen: 19.18 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

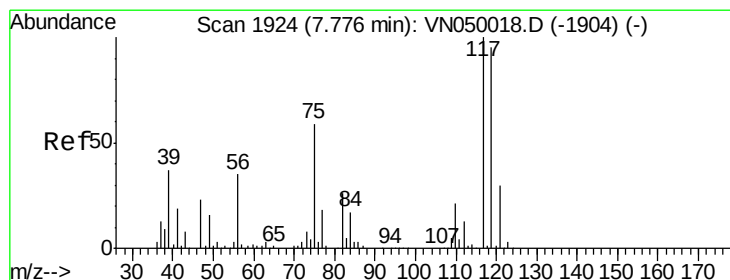
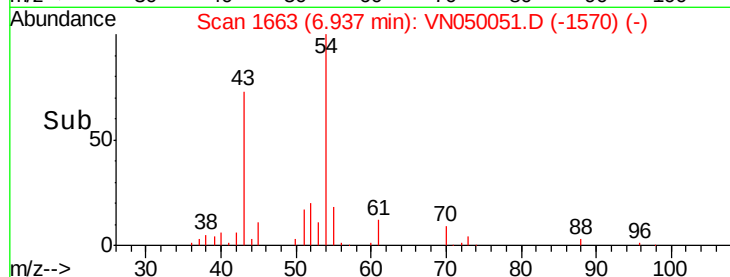
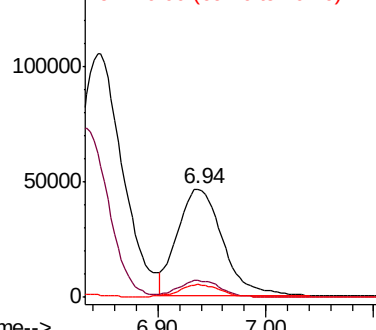
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.8	17.8
70	11.3	8.4	12.6

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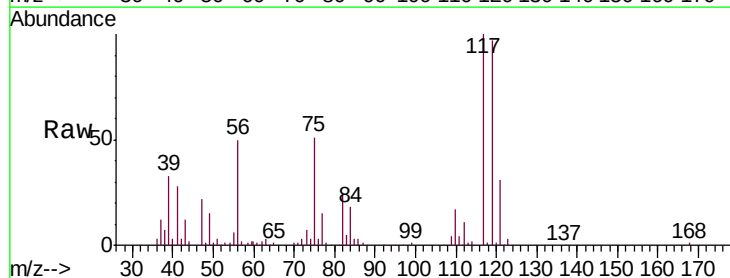


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

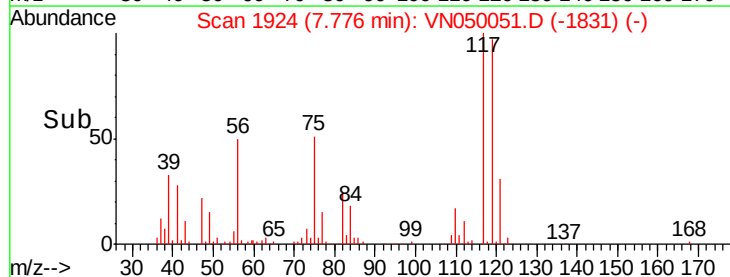
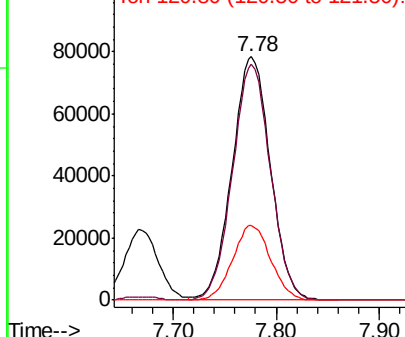


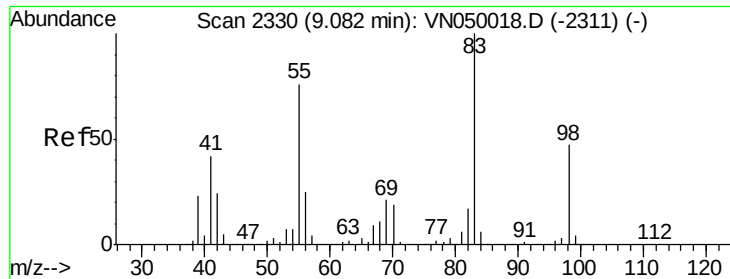
#38
Carbon Tetrachloride
Concen: 18.97 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
121	30.8	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





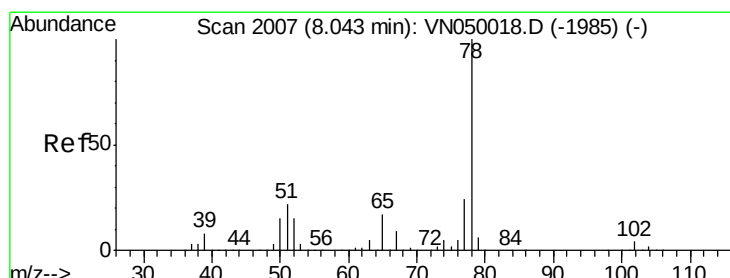
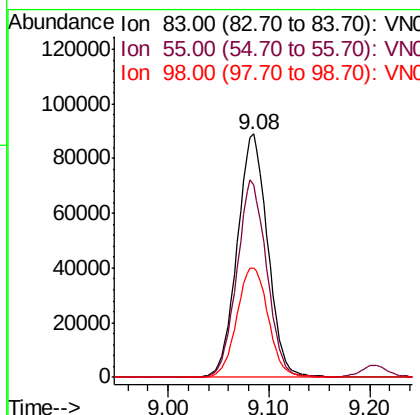
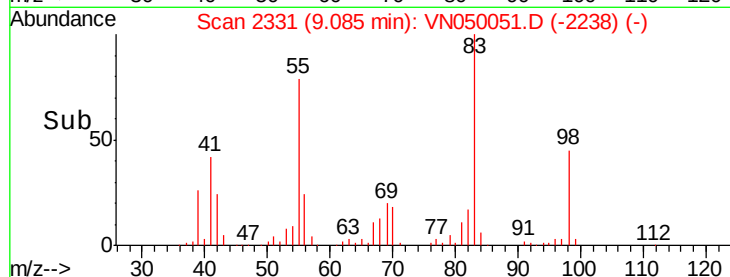
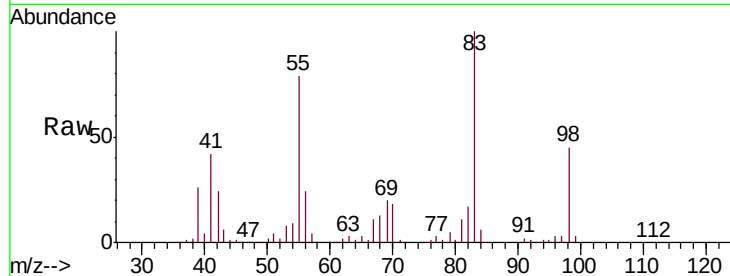
#39
Methylvlcyclohexane
Concen: 17.94 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	61.8	92.8
98	45.1	36.5	54.7

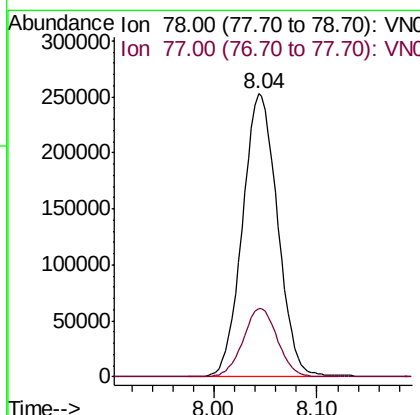
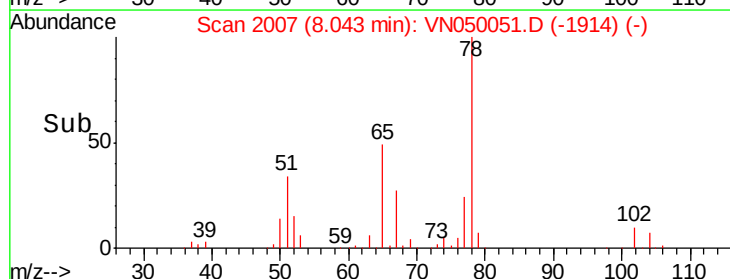
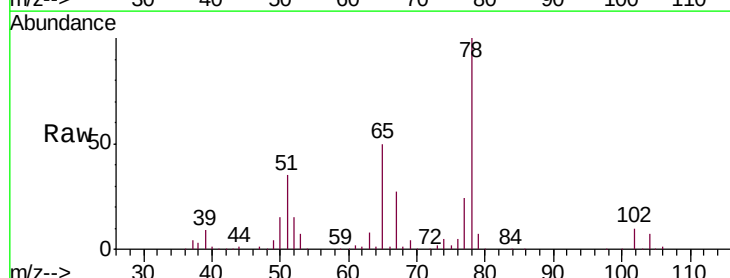
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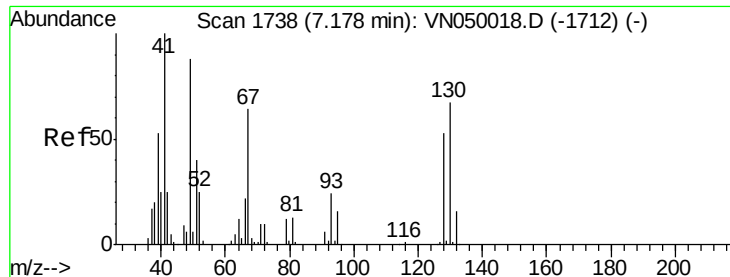
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#40
Benzene
Concen: 19.46 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





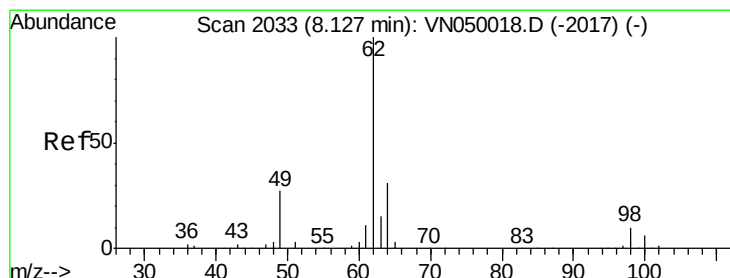
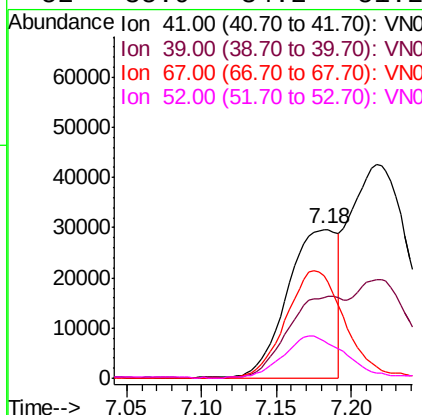
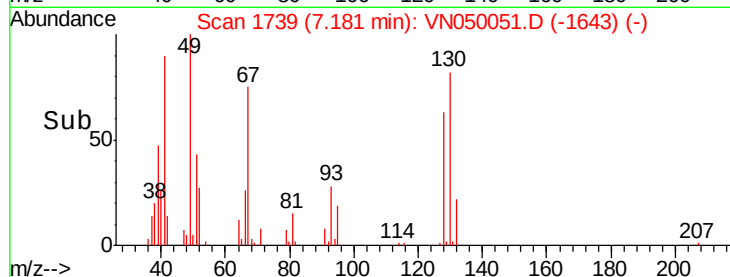
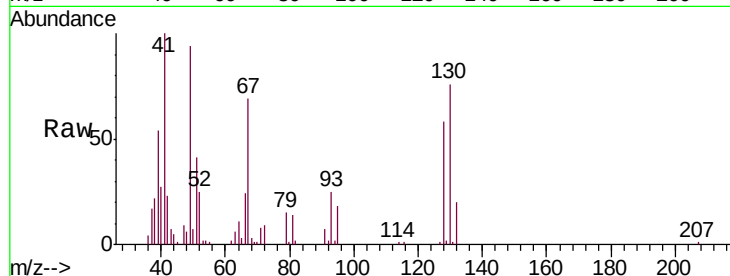
#41
Methacrylonitrile
Concen: 20.61 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		69113		
39	63.8	55.8	83.6		
67	85.6	84.3	126.5		
52	35.9	34.2	51.2		

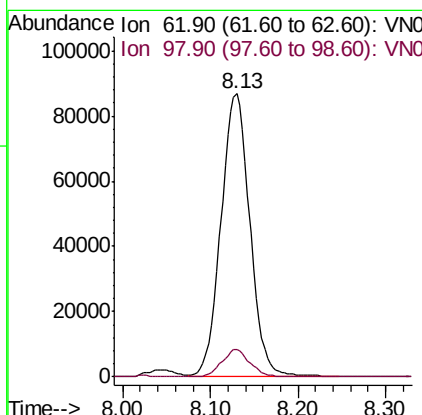
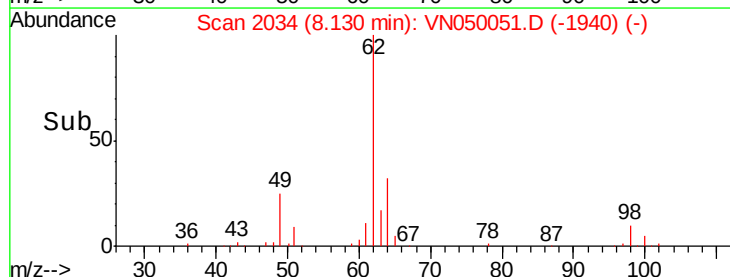
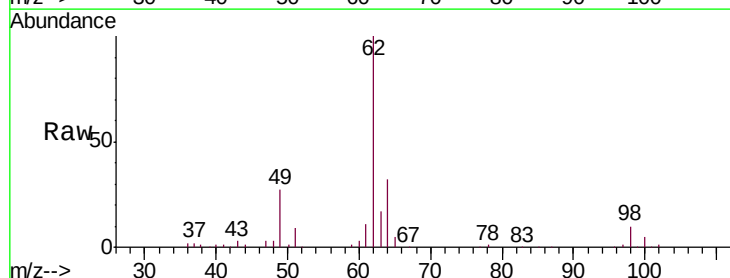
Manual Integrations
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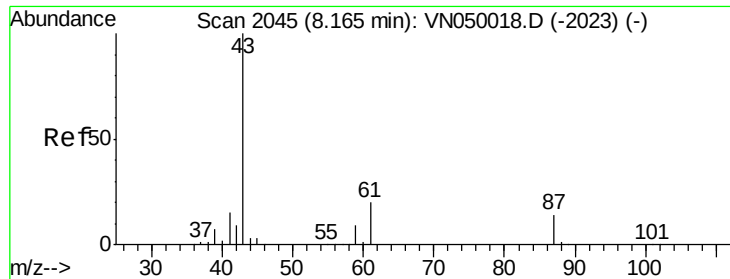
MMDadoda
7/26/2018 3:54:47 PM



#42
1,2-Dichloroethane
Concen: 19.40 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		198387		
98	9.4	0.0	18.8		





#43

Isopropyl Acetate

Concen: 18.18 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

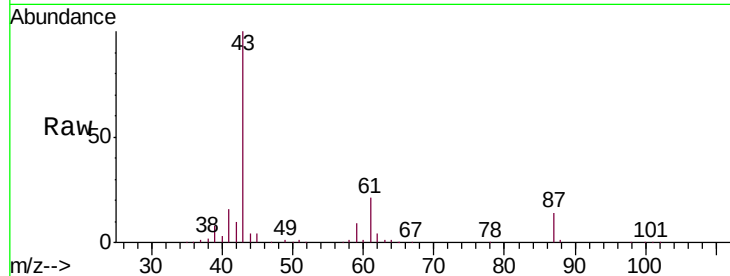
ClientSampleId :

VN0725WBS02

Tot Ion:	43	Resp:	250114
Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.8	23.6
87	12.5	10.3	15.5

Manual Integrations
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MMDadoda
7/26/2018 3:54:47 PM

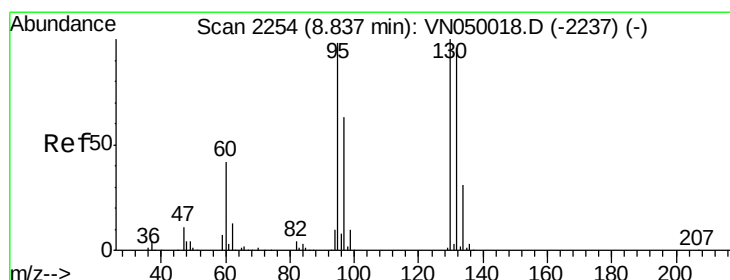
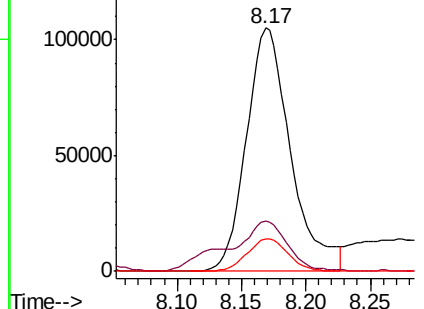
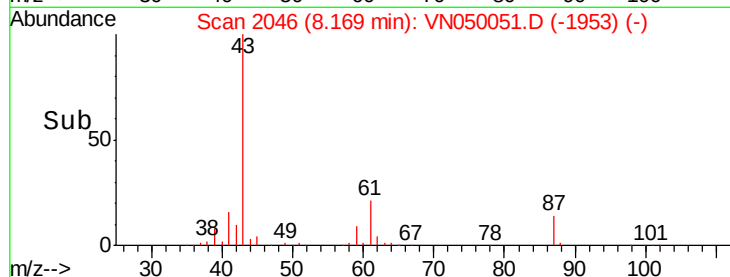


Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

Time-->



#44

Trichloroethene

Concen: 18.74 ug/l

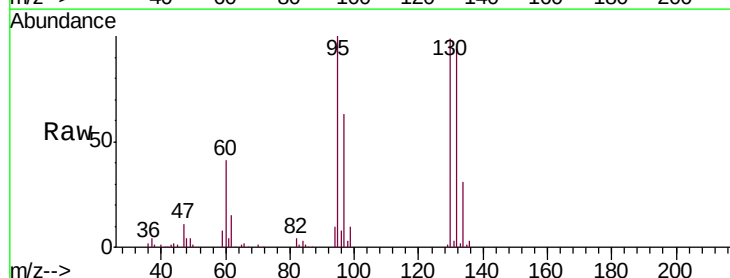
RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

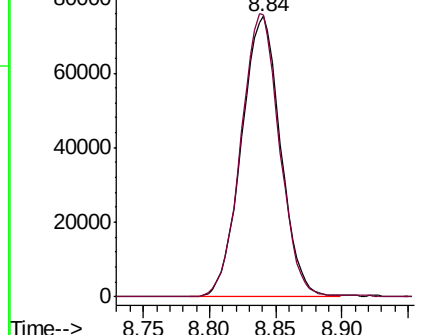
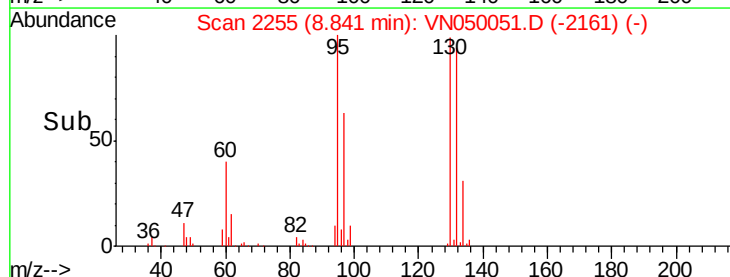
Tgt Ion:	130	Resp:	154324
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	194.6

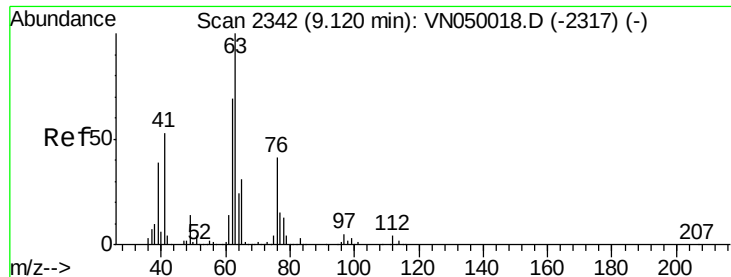


Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

Time-->





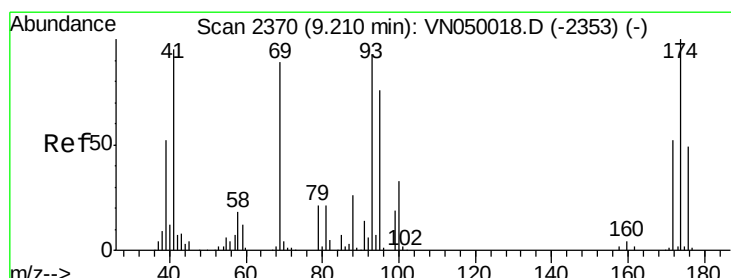
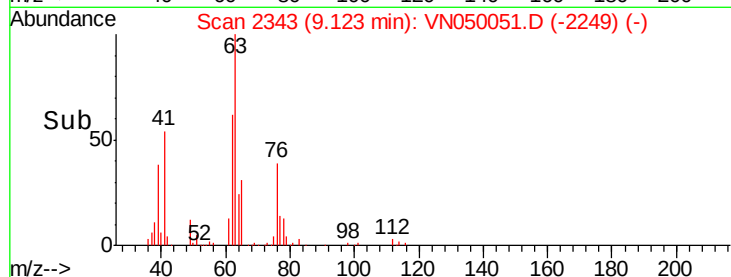
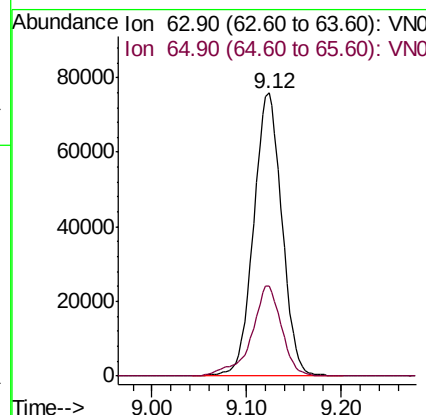
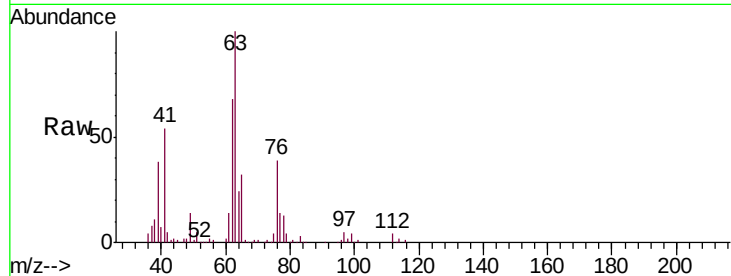
#45
 1,2-Dichloropropane
 Concen: 19.43 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3

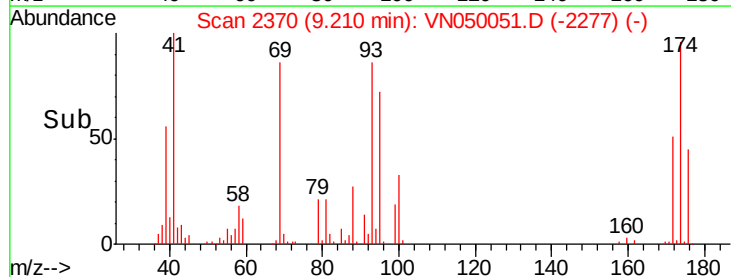
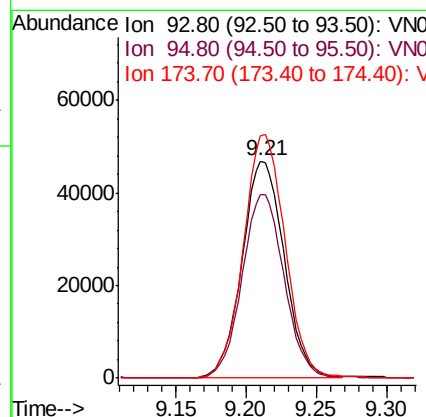
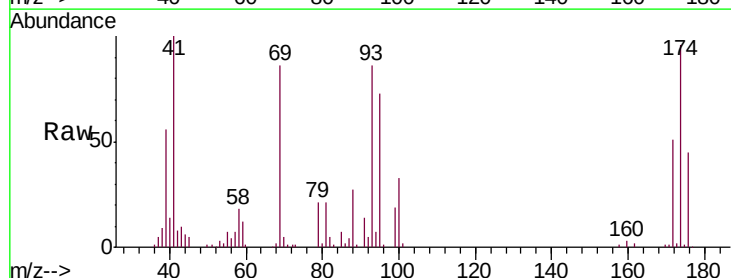
Manual Integrations
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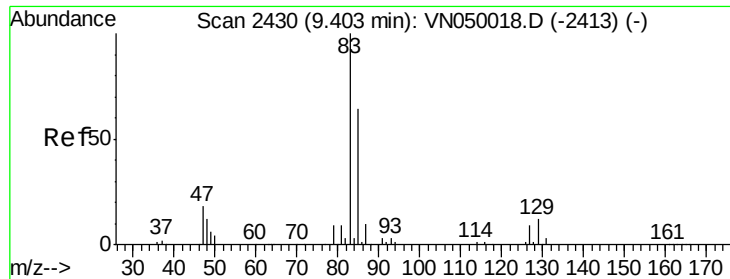
MMDadoda
 7/26/2018 3:54:47 PM



#46
 Dibromomethane
 Concen: 19.43 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.6	100.0
174	111.5	87.1	130.7





#47

Bromodichloromethane

Concen: 19.06 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

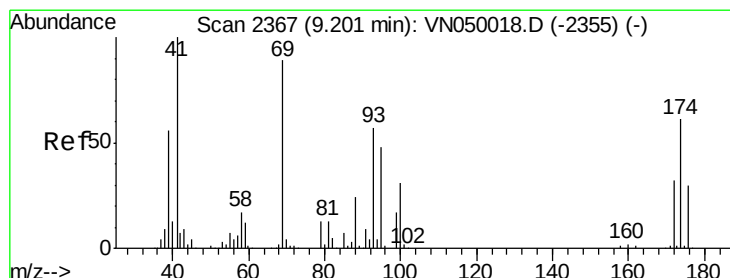
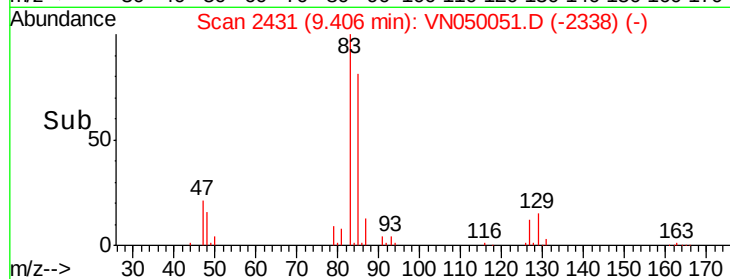
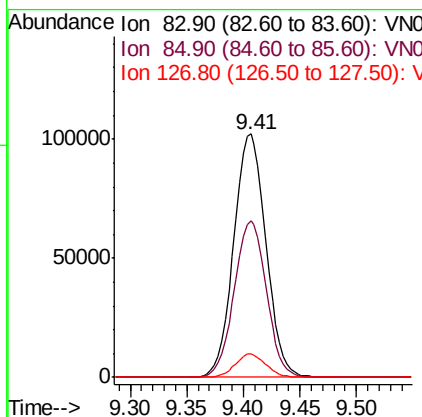
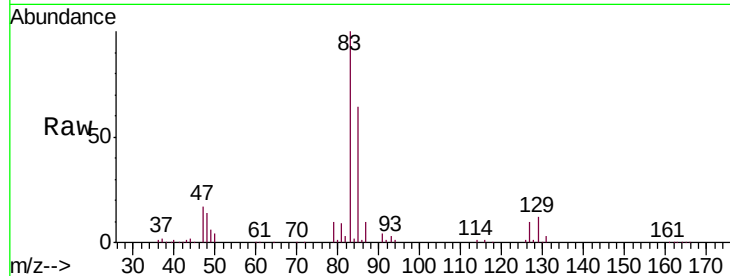
ClientSampleId :

VN0725WBS02

Tot Ion:	83	Resp:	202743
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.1	76.7
127	9.6	7.0	10.4

Manual Integrations
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MMDadoda
7/26/2018 3:54:47 PM



#48

Methyl methacrylate

Concen: 19.26 ug/l

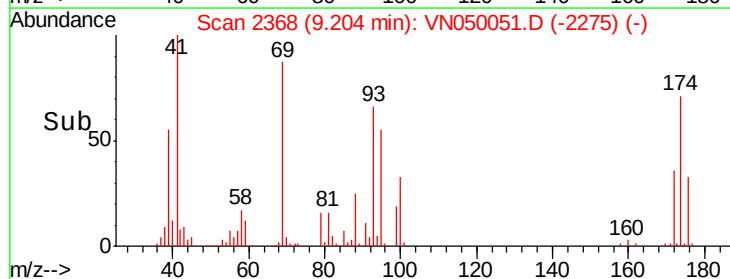
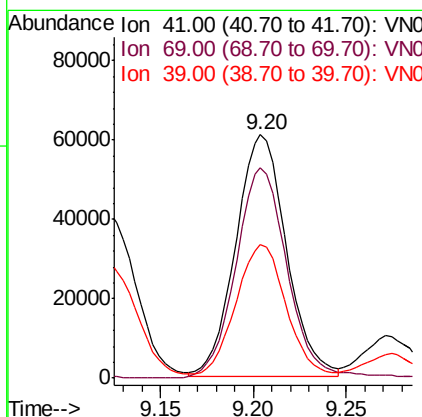
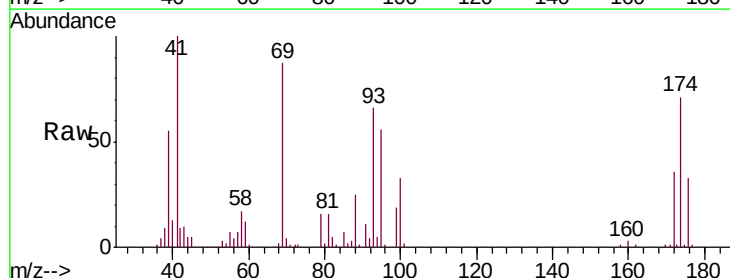
RT: 9.20 min Scan# 2368

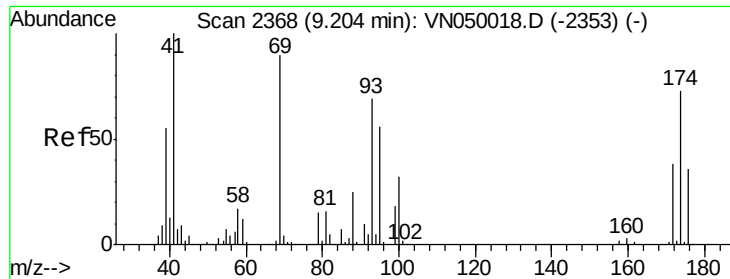
Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion:	41	Resp:	116499
Ion Ratio	Lower	Upper	
41	100		
69	88.8	70.6	105.8
39	54.8	43.9	65.9





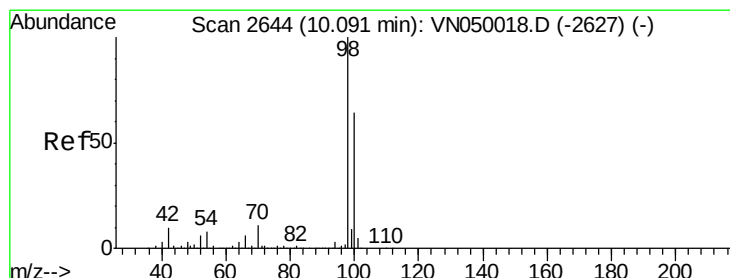
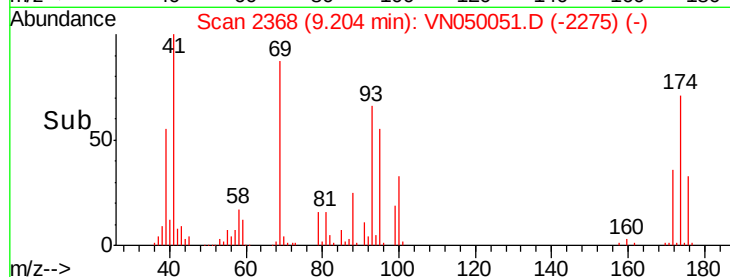
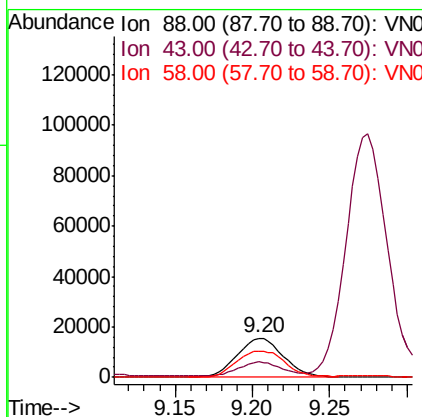
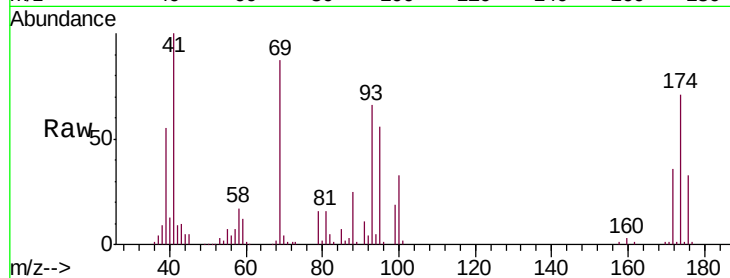
#49
1,4-Dioxane
Concen: 393.97 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	26.9	40.3
58	71.7	57.3	85.9

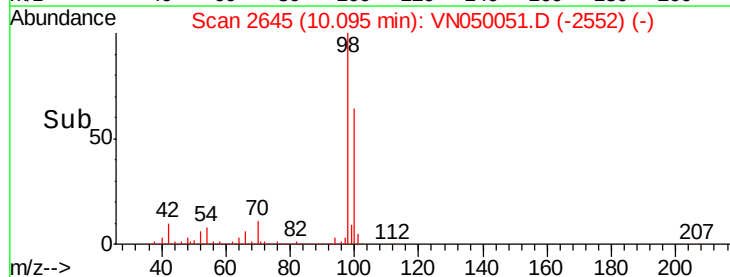
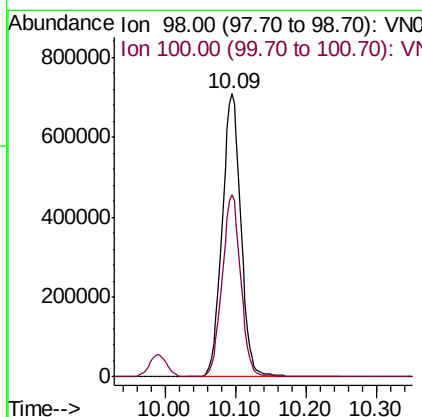
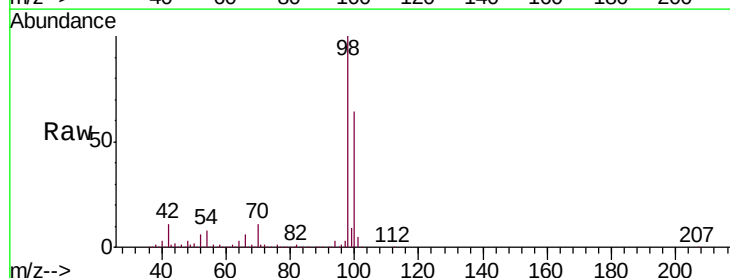
Manual Integrations
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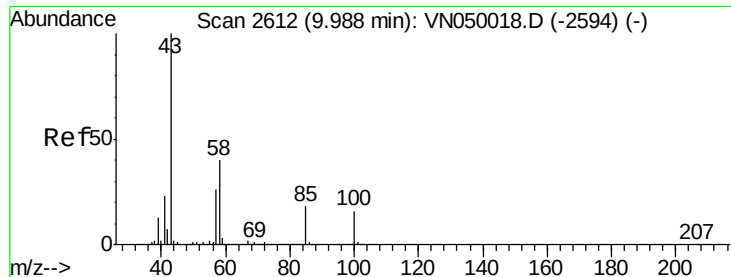
MMDadoda
7/26/2018 3:54:47 PM



#50
Toluene-d8
Concen: 49.00 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1





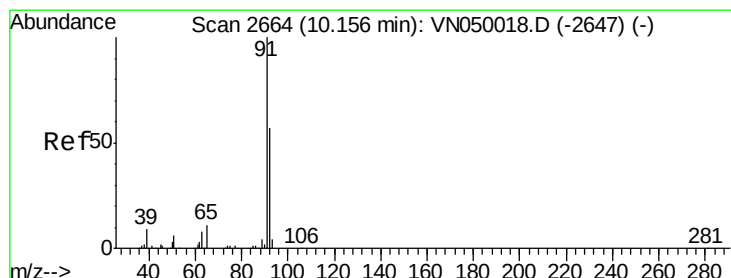
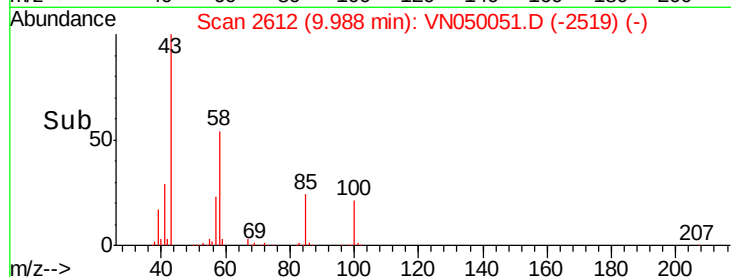
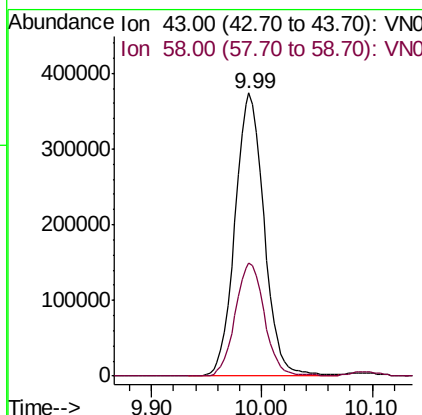
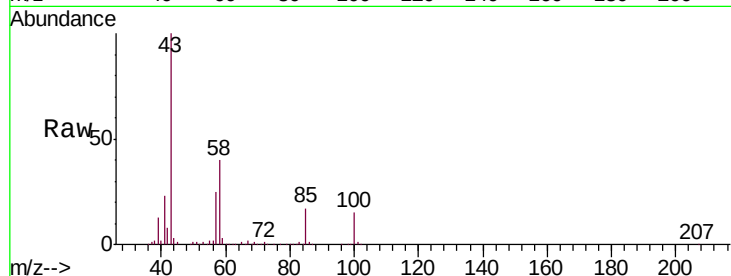
#51
4-Methyl-2-Pentanone
Concen: 98.76 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.9	47.9

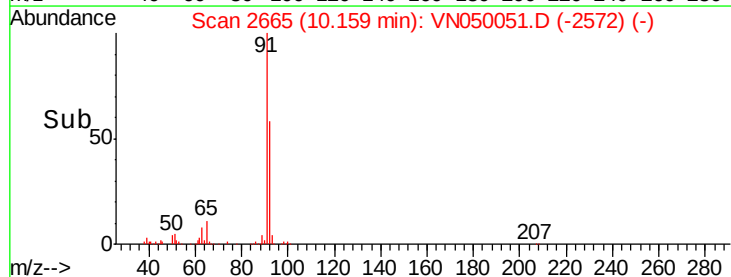
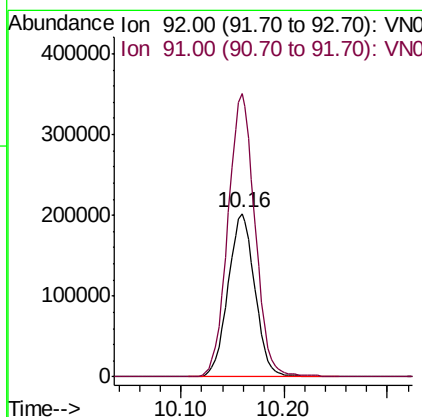
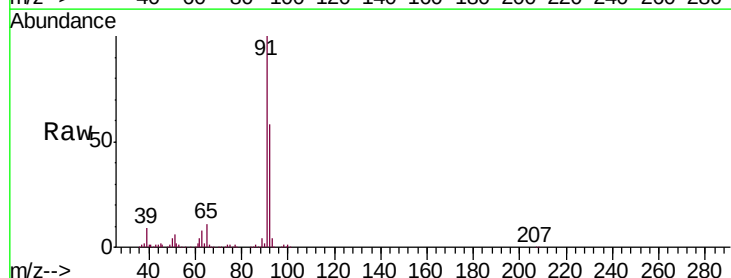
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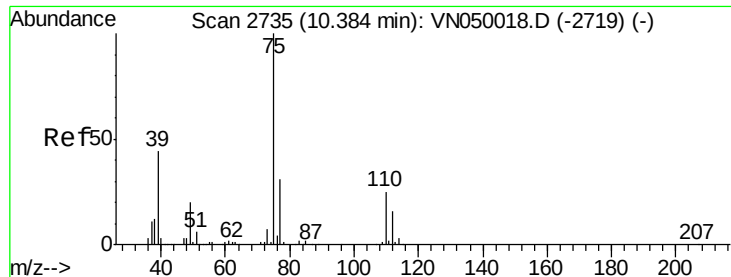
MMDadoda
7/26/2018 3:54:47 PM



#52
Toluene
Concen: 20.40 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	140.3	210.5





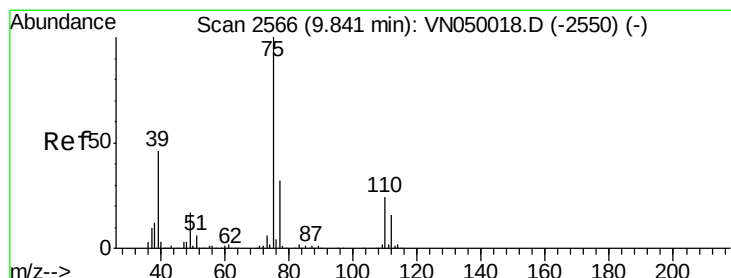
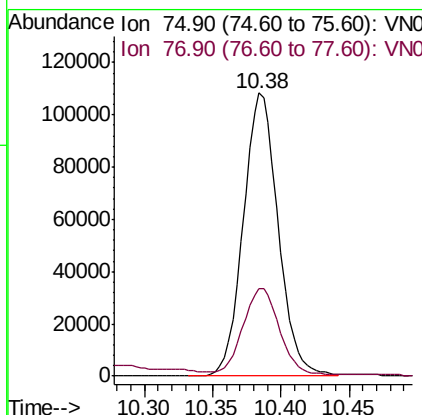
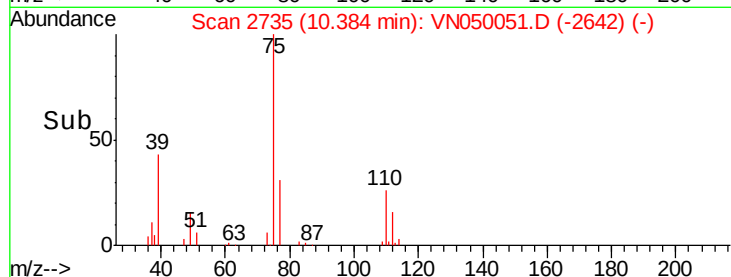
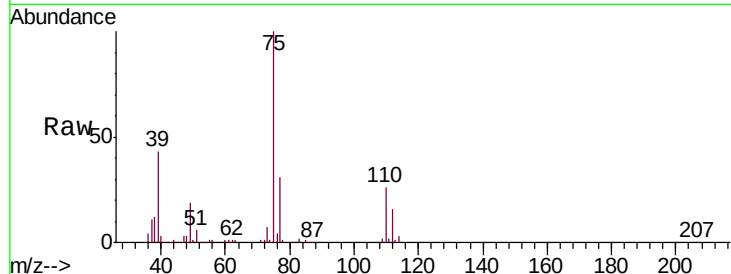
#53
t-1,3-Dichloropropene
Concen: 19.17 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion: 75 Resp: 192482
Ion Ratio Lower Upper
75 100
77 30.2 24.9 37.3

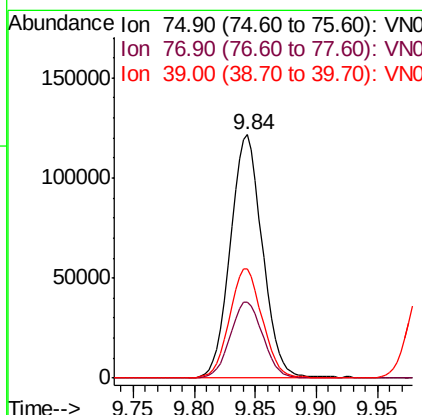
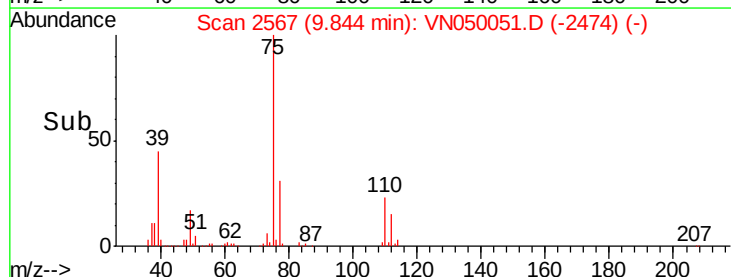
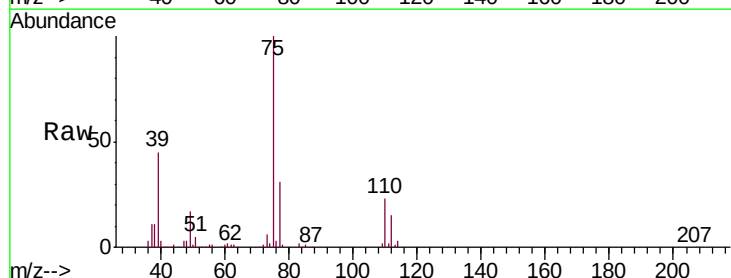
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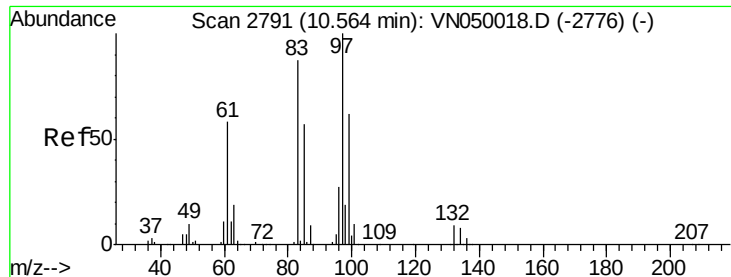
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.44 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 75 Resp: 223036
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3
39 44.7 36.6 55.0





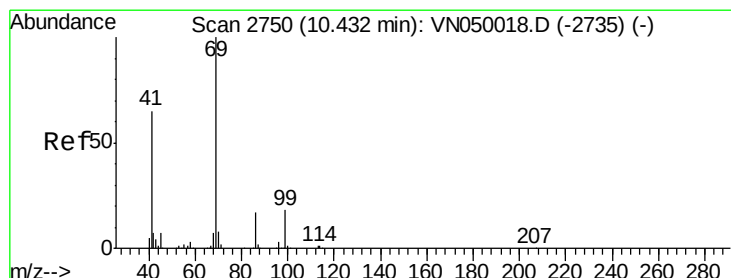
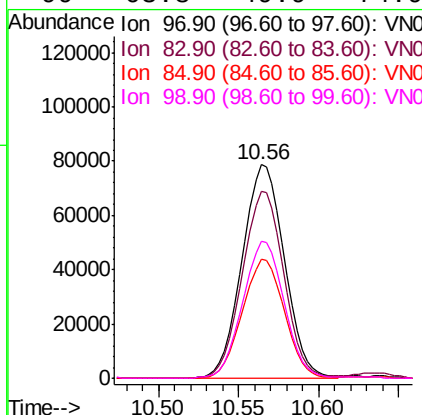
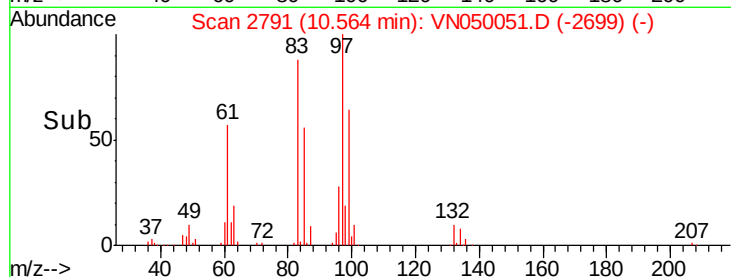
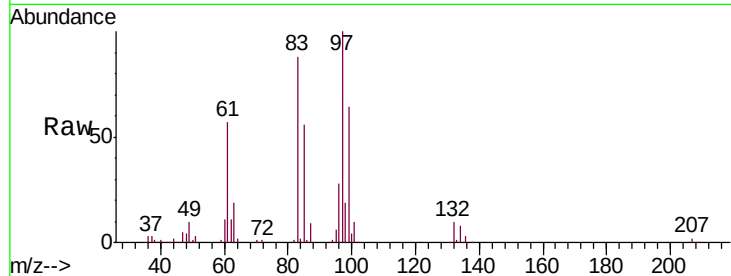
#55
 1,1,2-Trichloroethane
 Concen: 19.80 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	87.5	69.2	103.8		
85	55.7	44.0	66.0		
99	63.8	49.9	74.9		

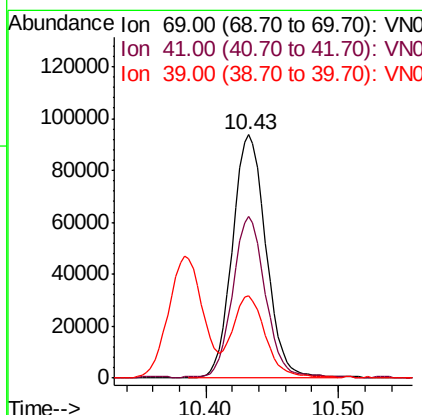
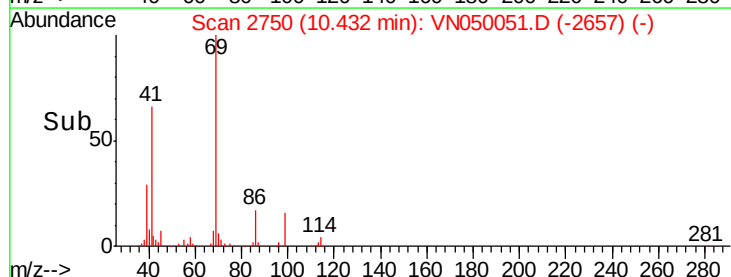
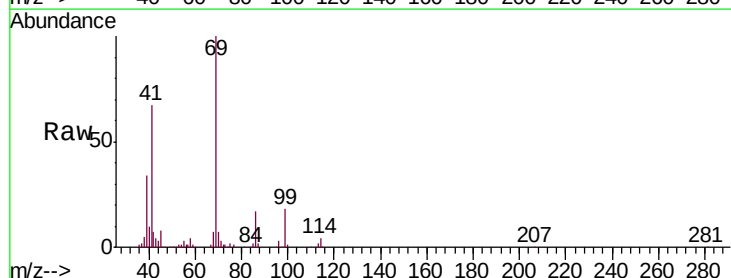
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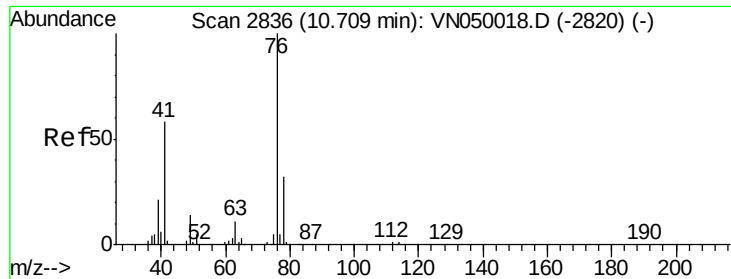
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#56
 Ethyl methacrylate
 Concen: 18.30 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	63.7	51.0	76.4		
39	33.3	26.6	40.0		





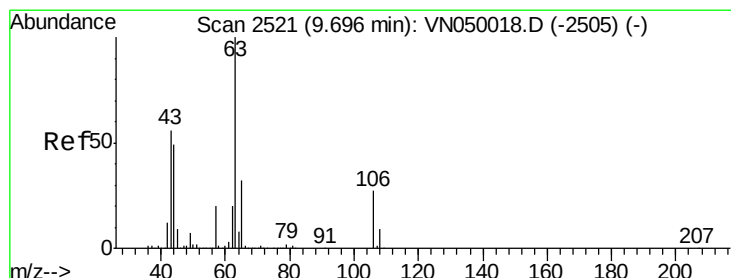
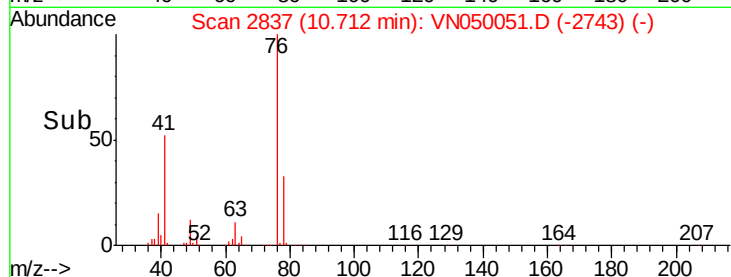
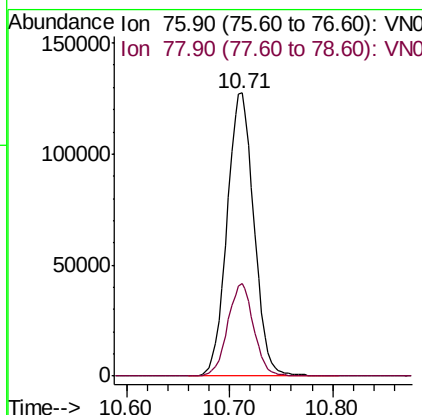
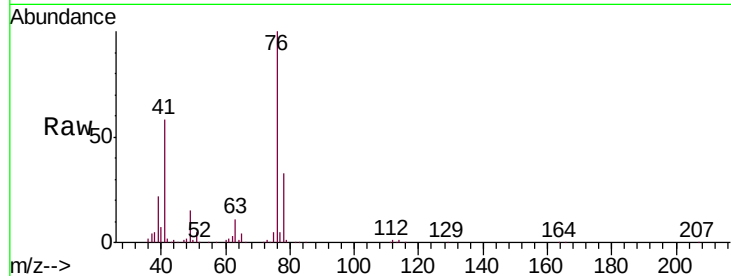
#57
 1,3-Dichloropropane
 Concen: 19.83 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion: 76 Resp: 231758
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

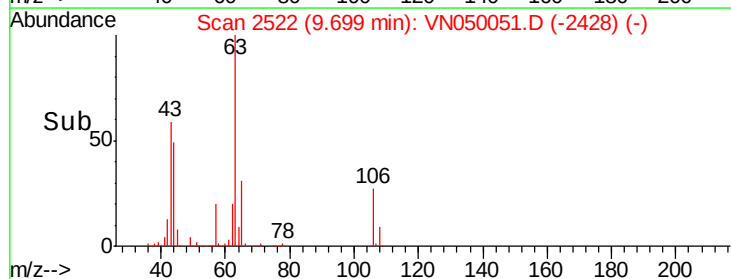
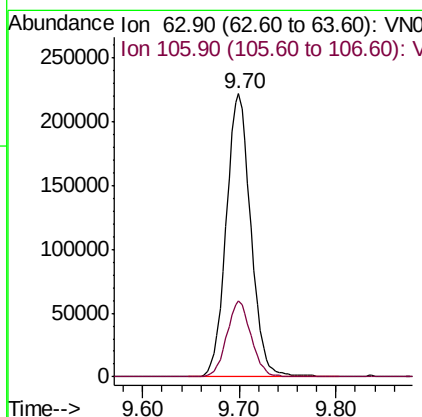
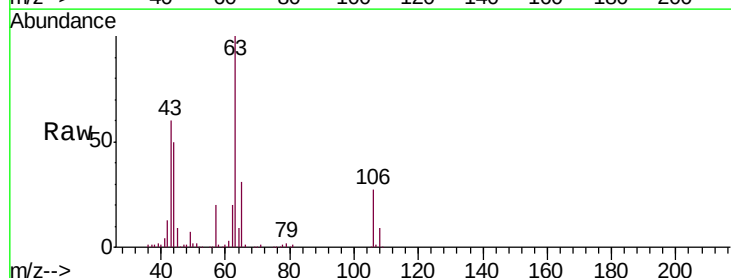
Manual Integrations
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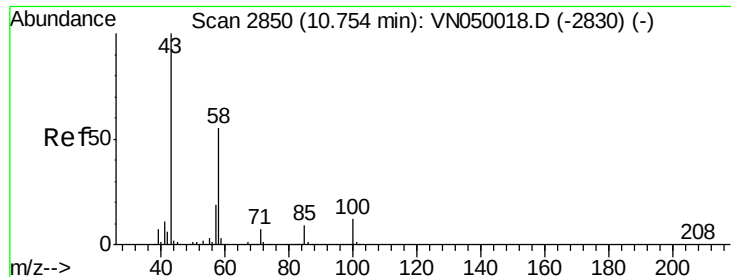
MMDadoda
 7/26/2018 3:54:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.83 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion: 63 Resp: 391664
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5





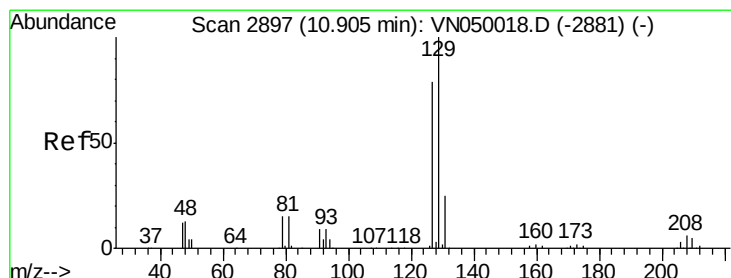
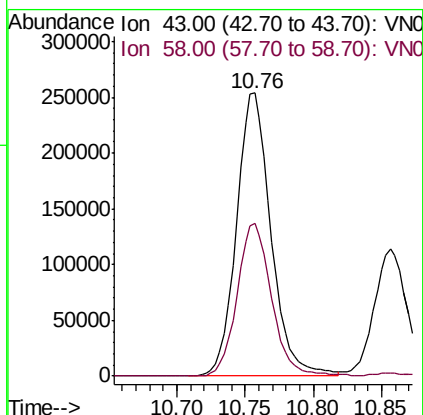
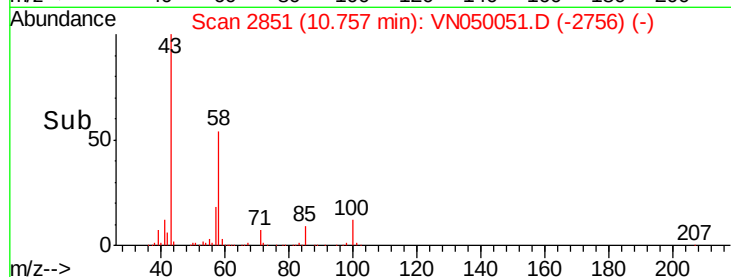
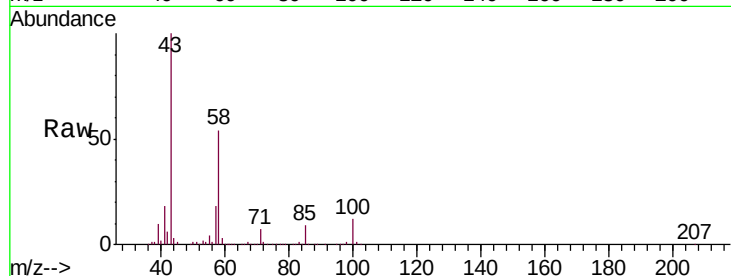
#59
2-Hexanone
Concen: 90.73 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion: 43 Resp: 443127
Ion Ratio Lower Upper
43 100
58 54.2 27.6 82.7

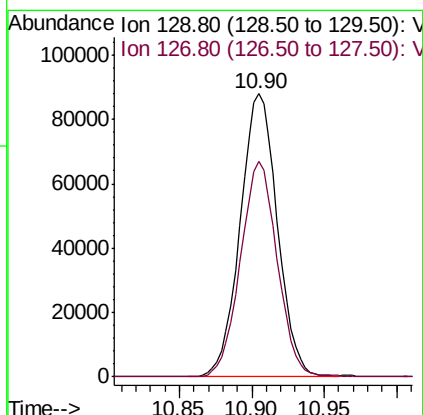
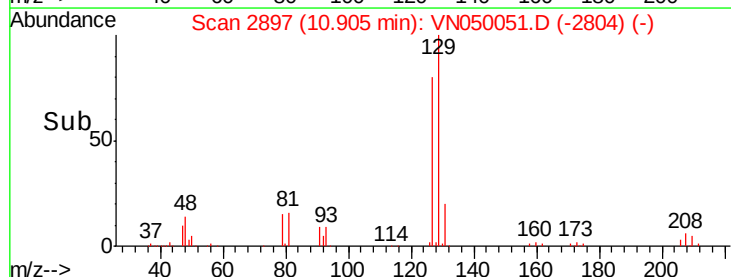
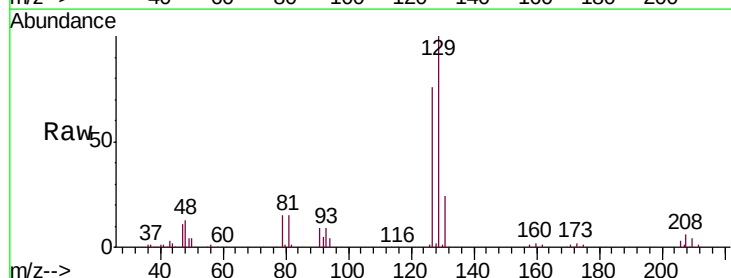
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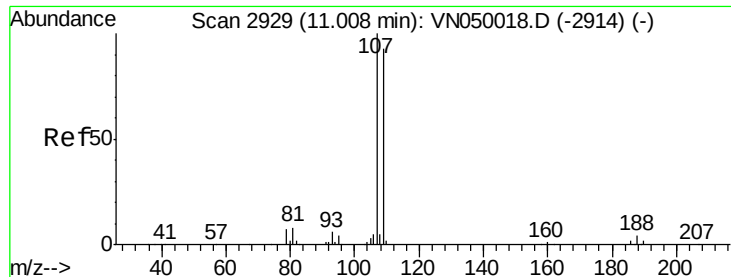
MMDadoda
7/26/2018 3:54:47 PM



#60
Dibromochloromethane
Concen: 19.75 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion: 129 Resp: 156912
Ion Ratio Lower Upper
129 100
127 75.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.33 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 107 Resp: 137622

Ion Ratio Lower Upper

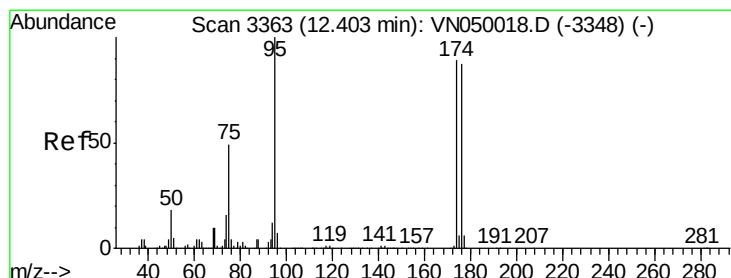
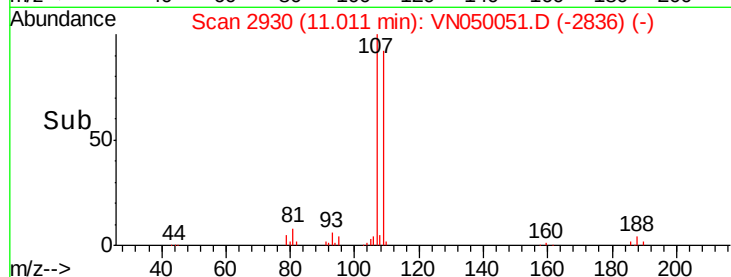
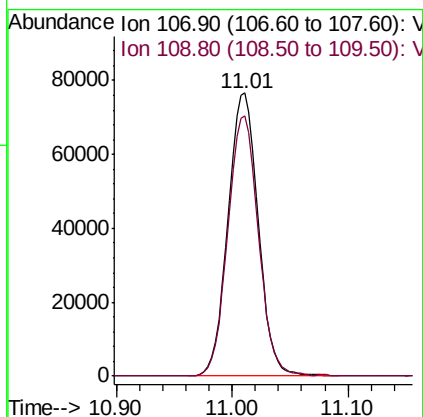
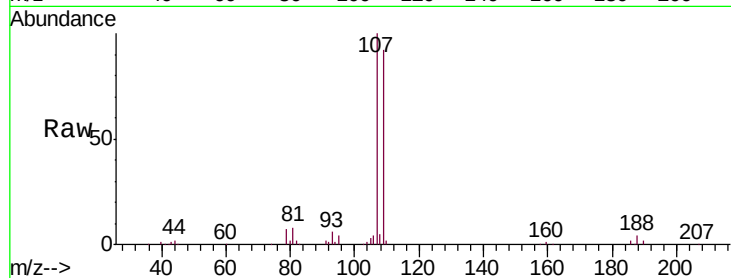
107 100

109 93.0 74.6 112.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

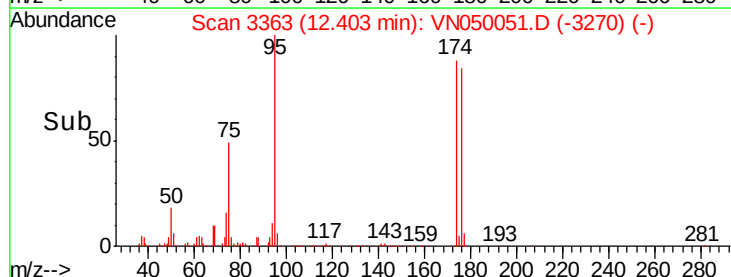
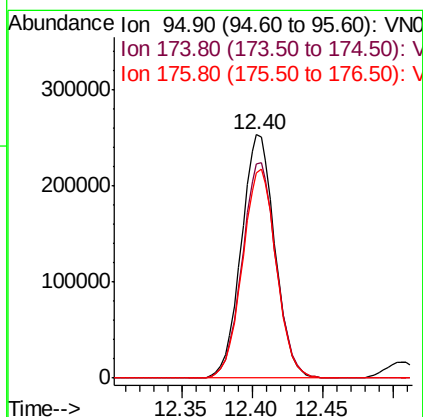
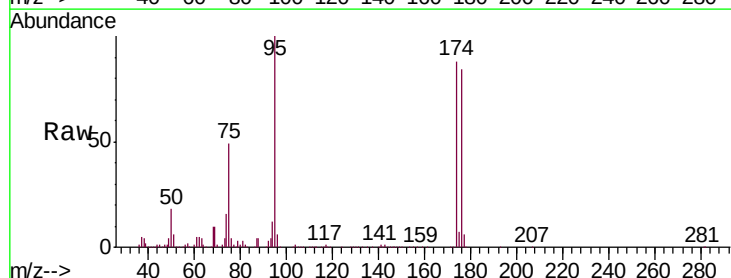
Tgt Ion: 95 Resp: 422744

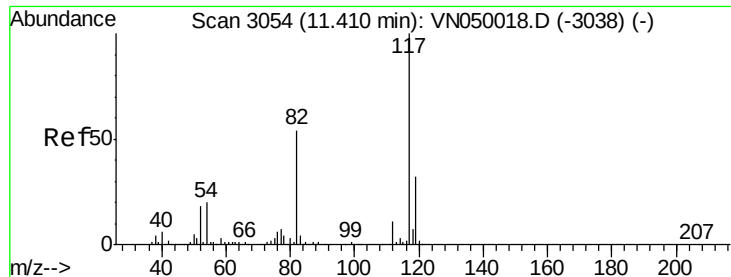
Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.2

176 86.4 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

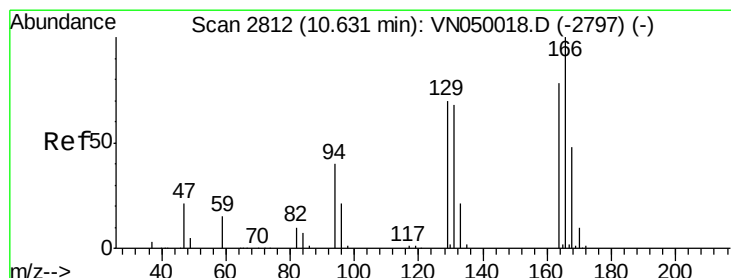
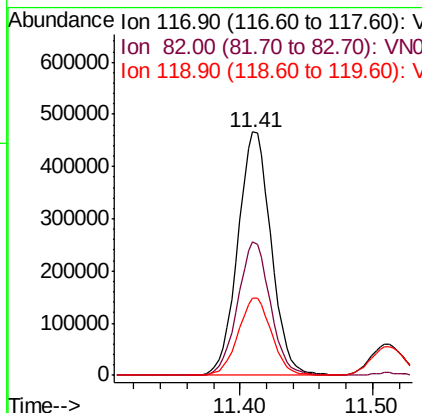
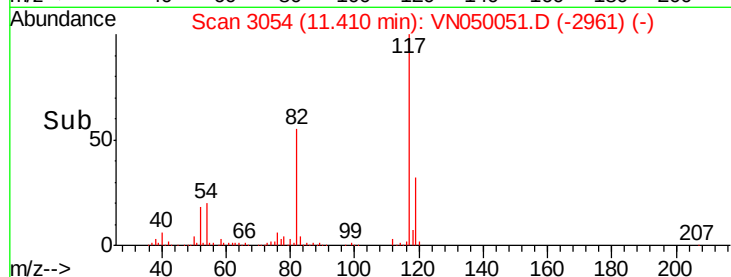
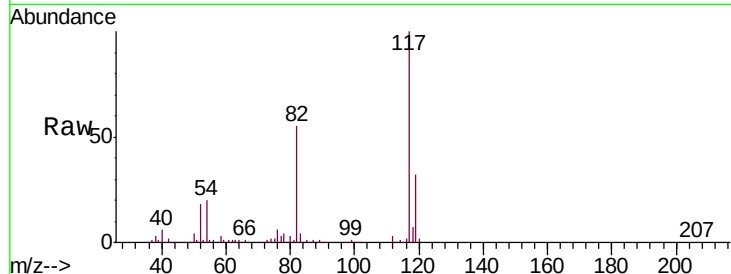
ClientSampleId :

VN0725WBS02

Tot Ion:	117	Resp:	812620
Ion Ratio	Lower	Upper	
117	100		
82	54.9	43.7	65.5
119	31.7	26.1	39.1

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#64

Tetrachloroethene

Concen: 19.27 ug/l

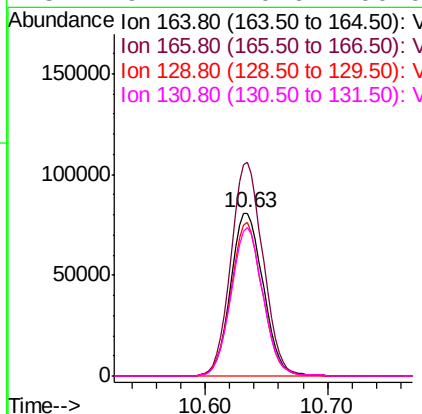
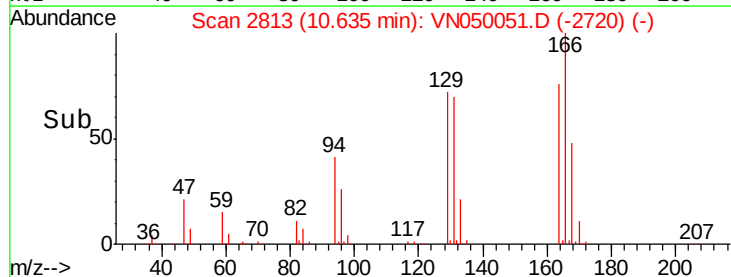
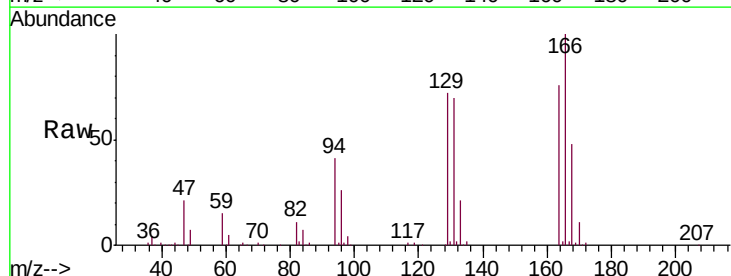
RT: 10.63 min Scan# 2813

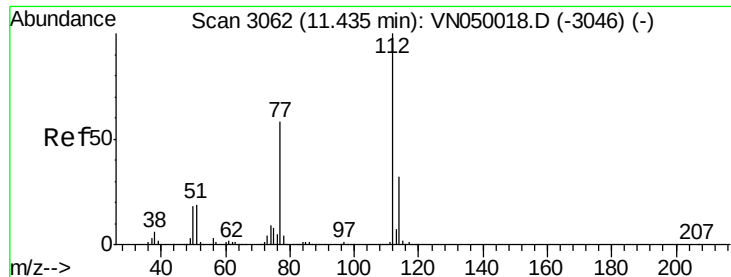
Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion:	164	Resp:	150582
Ion Ratio	Lower	Upper	
164	100		
166	131.0	102.1	153.1
129	93.9	73.2	109.8
131	91.2	70.6	106.0





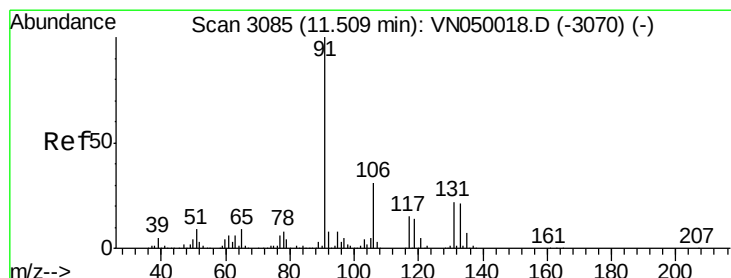
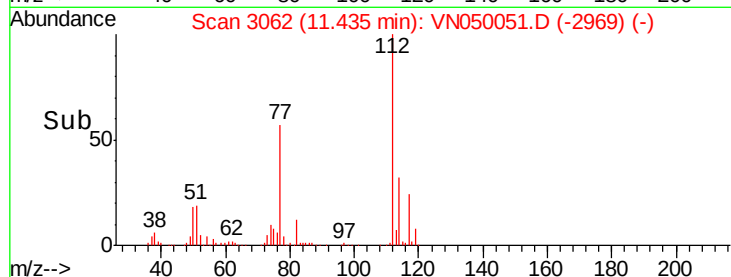
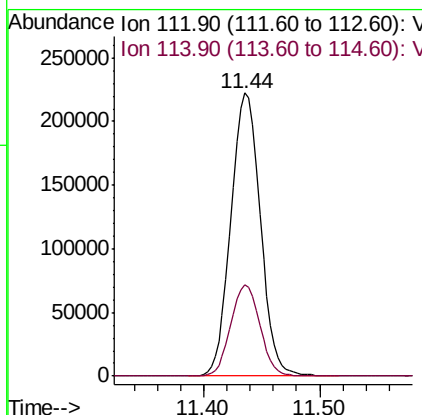
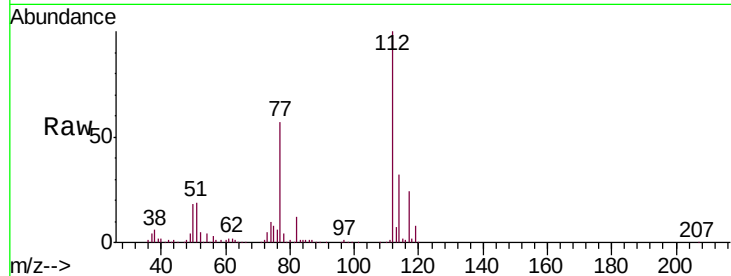
#65
Chlorobenzene
Concen: 19.04 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

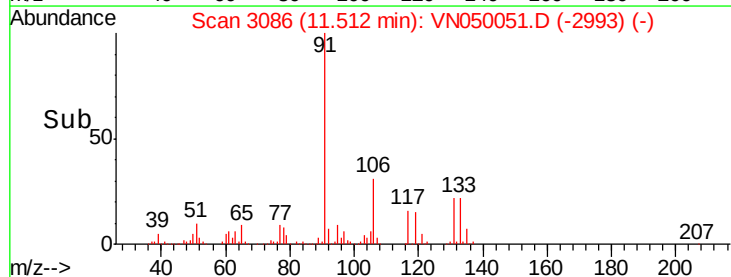
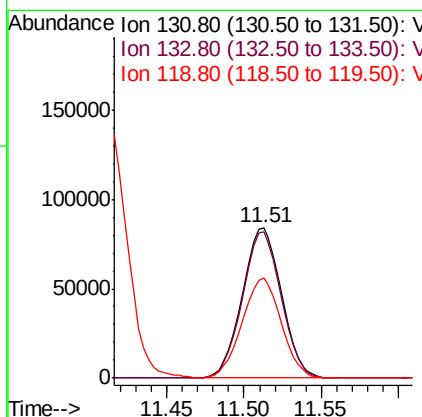
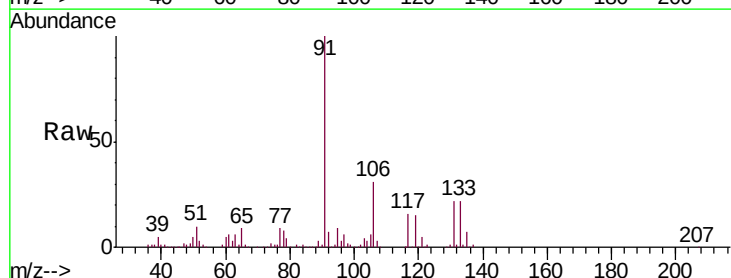
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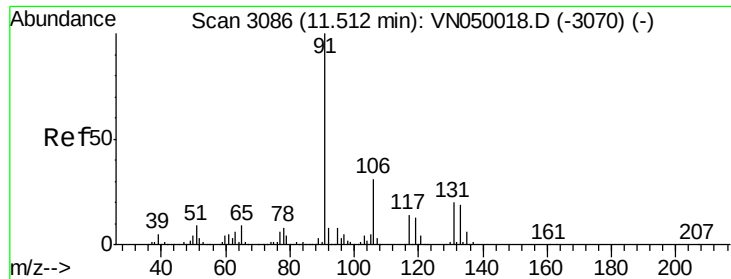
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.90 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	141.9
119	66.5	32.9	98.7





#67

Ethyl Benzene

Concen: 19.47 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 91 Resp: 641958

Ion Ratio Lower Upper

91 100

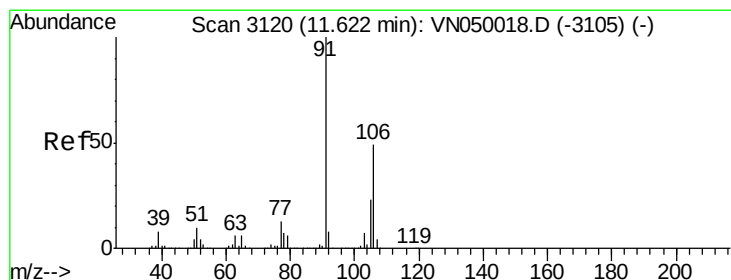
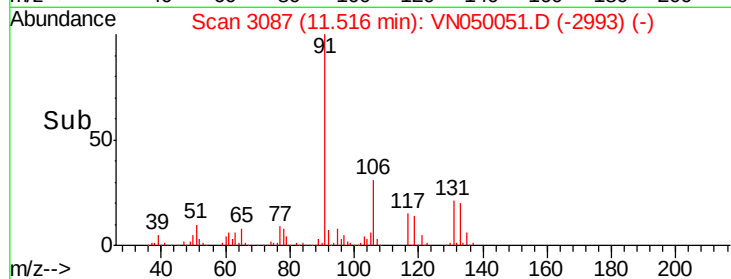
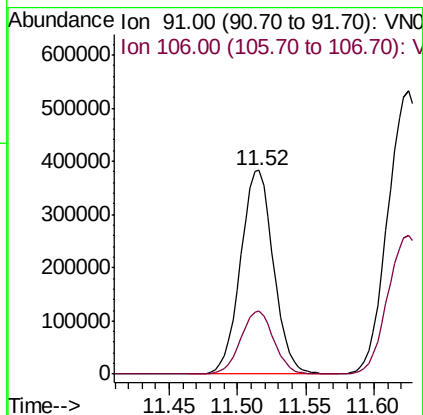
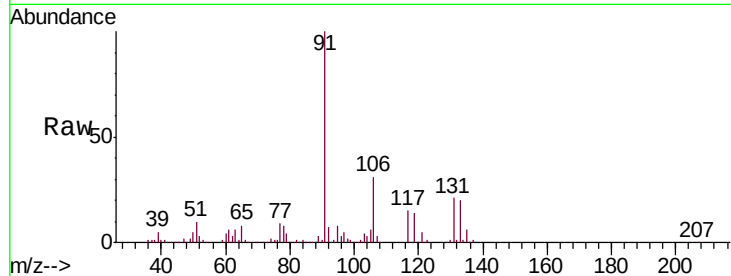
106 30.9 25.0 37.4

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#68

m/p-Xylenes

Concen: 40.26 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050051.D

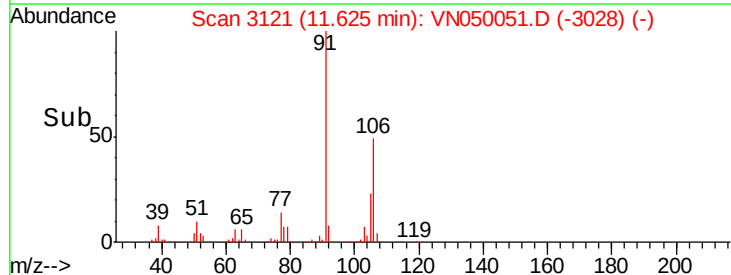
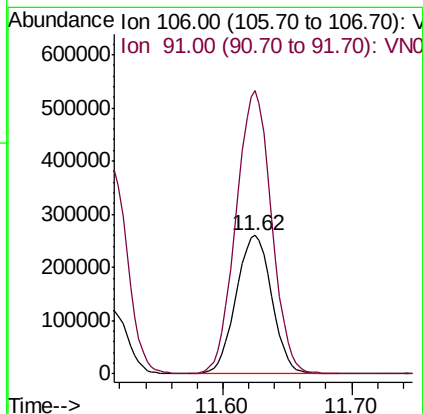
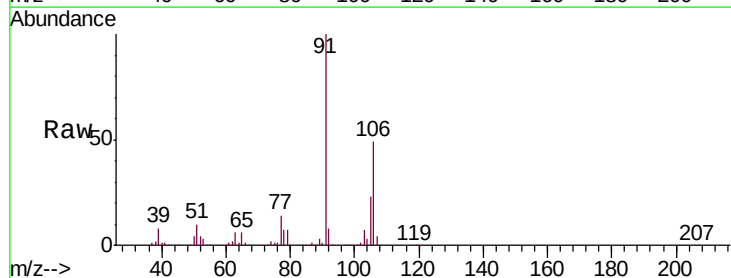
Acq: 25 Jul 2018 18:55

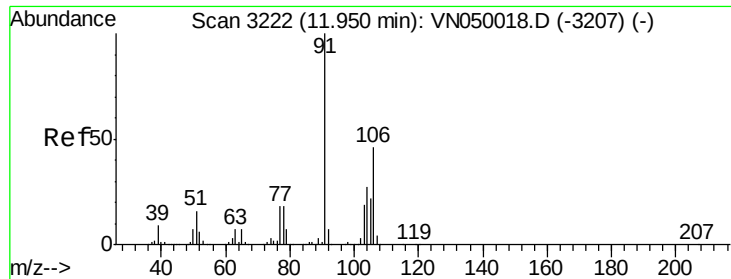
Tgt Ion: 106 Resp: 502171

Ion Ratio Lower Upper

106 100

91 203.0 162.2 243.2





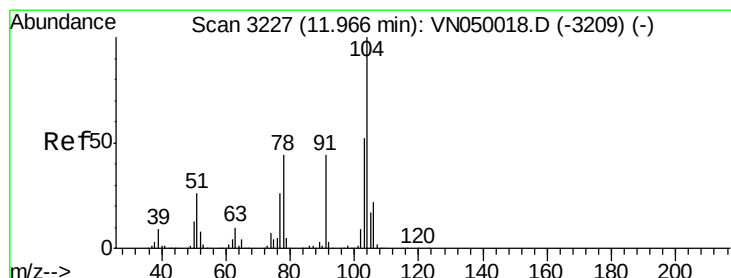
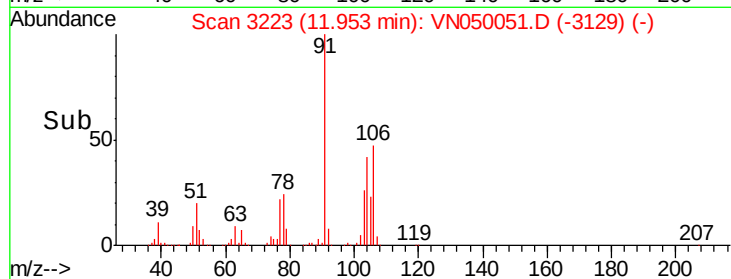
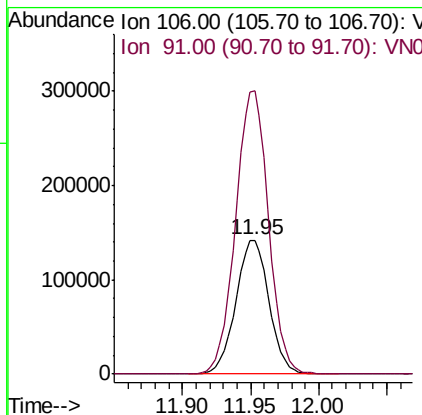
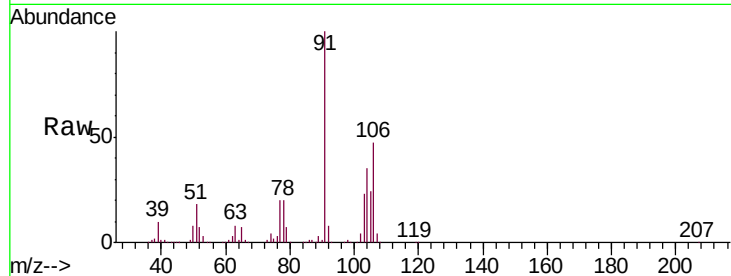
#69
o-Xylene
Concen: 20.07 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	107.7	323.1

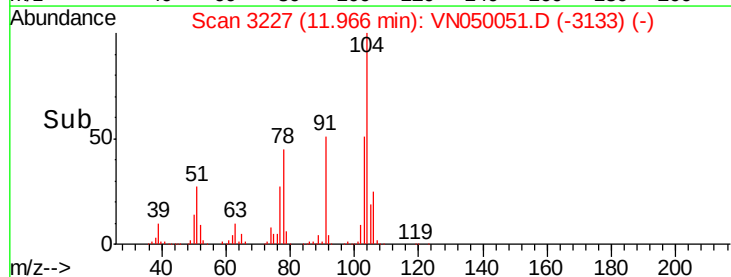
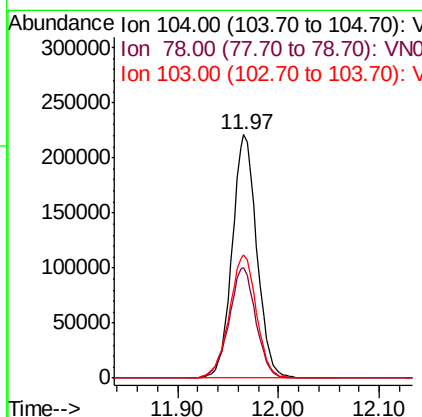
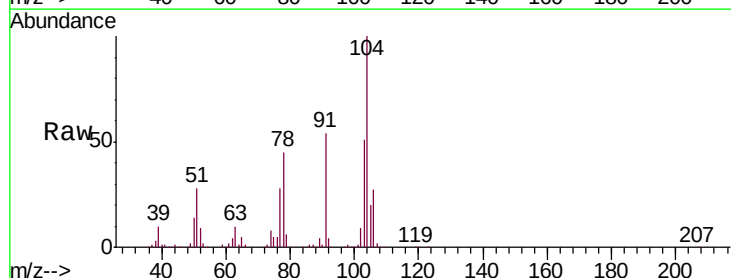
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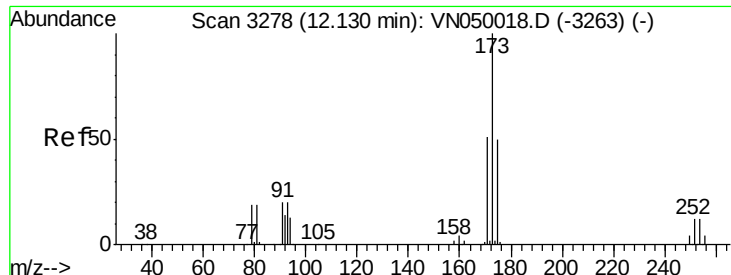
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#70
Styrene
Concen: 18.36 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	55.7	45.0	67.6





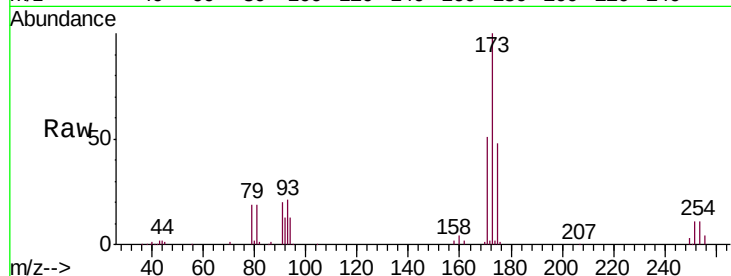
#71
Bromoform
Concen: 19.01 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS02

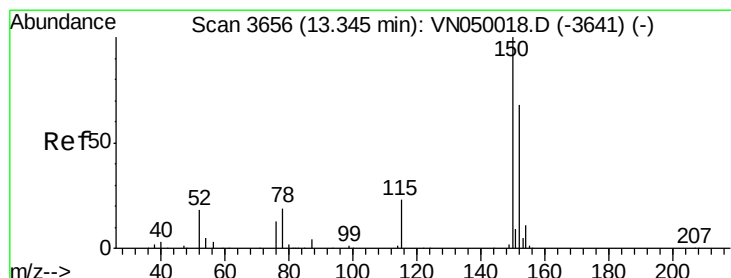
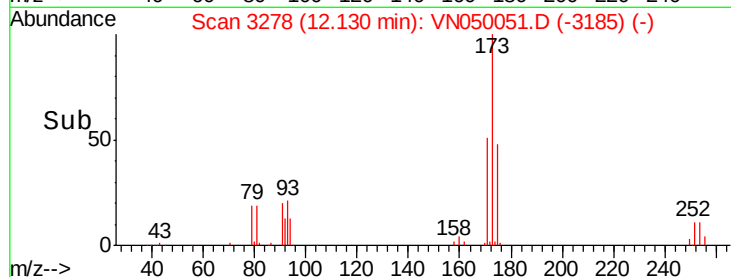
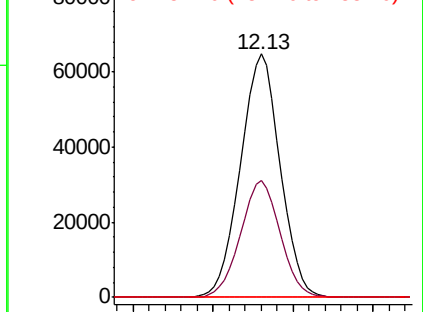
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.0	0.2	0.2

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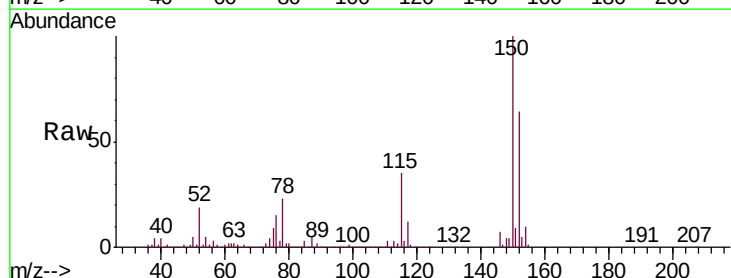


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

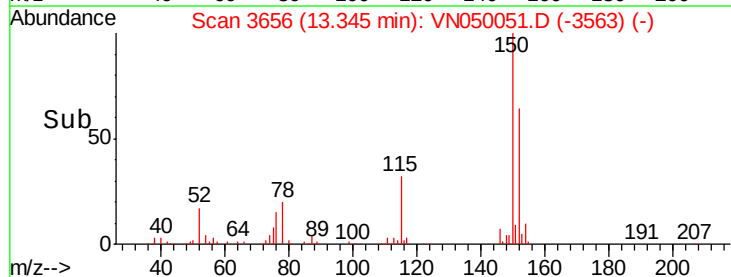
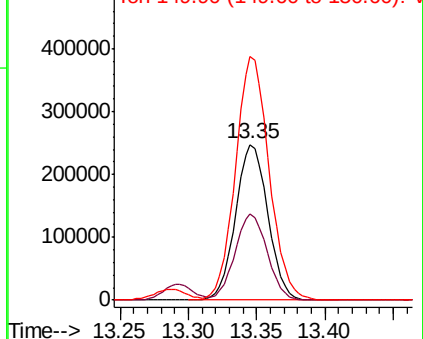


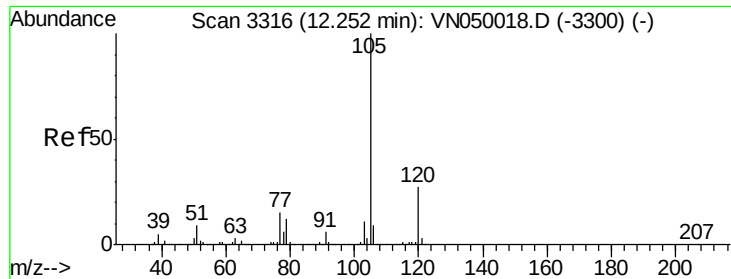
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050051.D
Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.8	83.3
150	162.7	0.0	348.6



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: 19.99 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 105 Resp: 630444

Ion Ratio Lower Upper

105 100

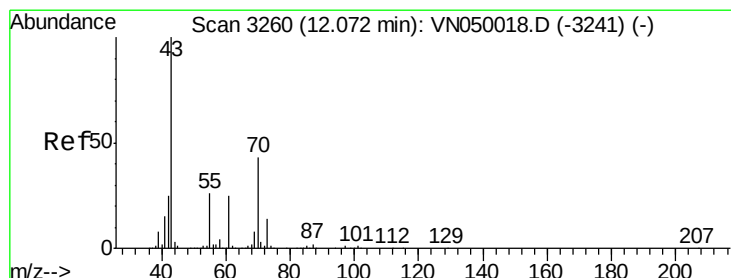
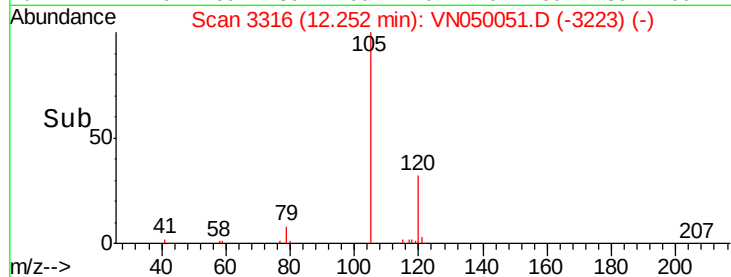
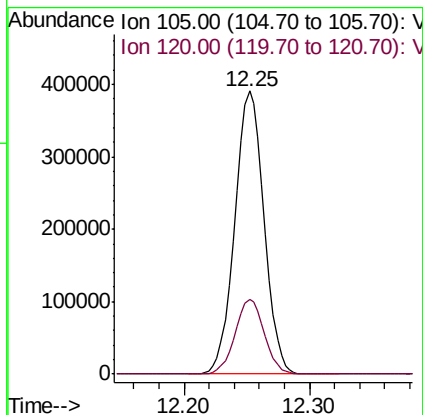
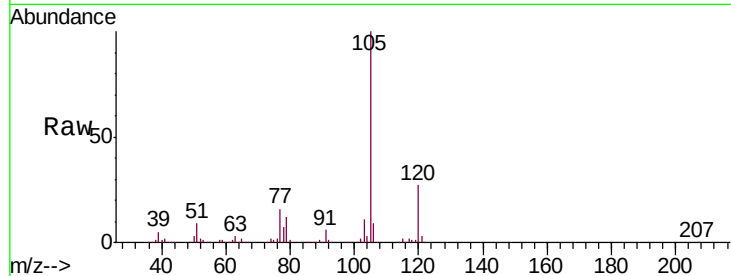
120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 18.25 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion: 43 Resp: 175908

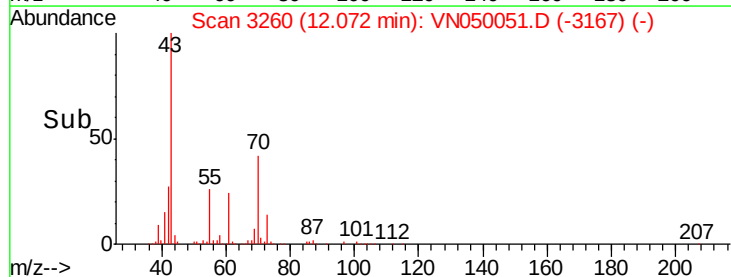
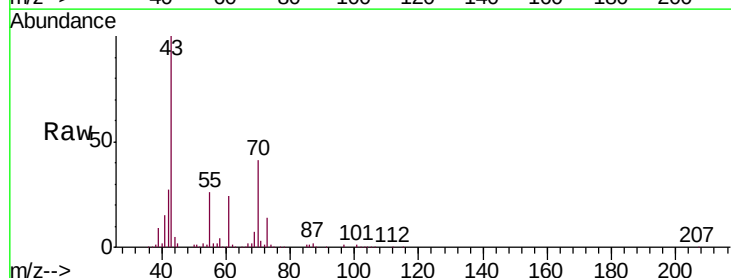
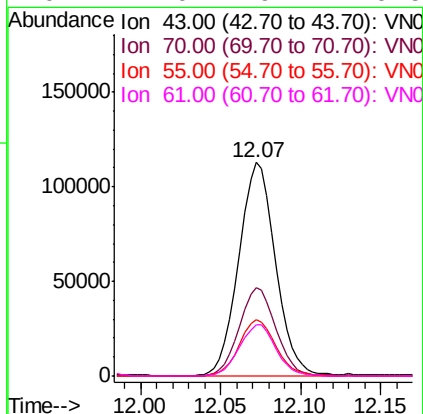
Ion Ratio Lower Upper

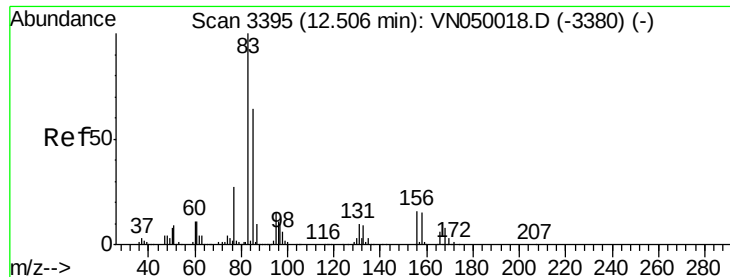
43 100

70 41.5 34.4 51.6

55 26.5 20.8 31.2

61 24.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.16 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 83 Resp: 178688

Ion Ratio Lower Upper

83 100

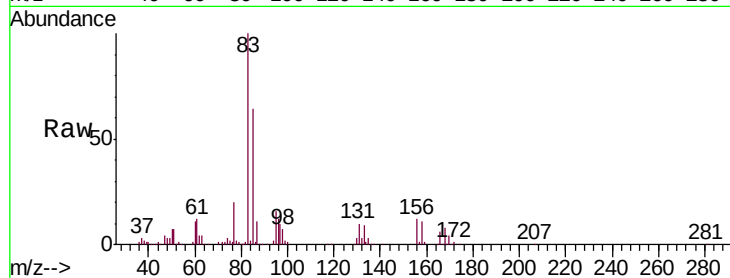
131 10.3 5.1 15.3

85 64.6 32.3 96.8

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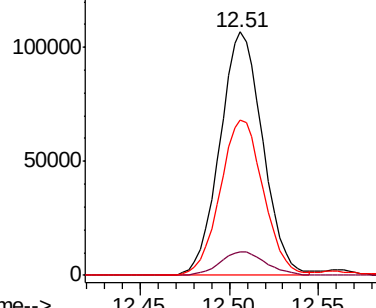
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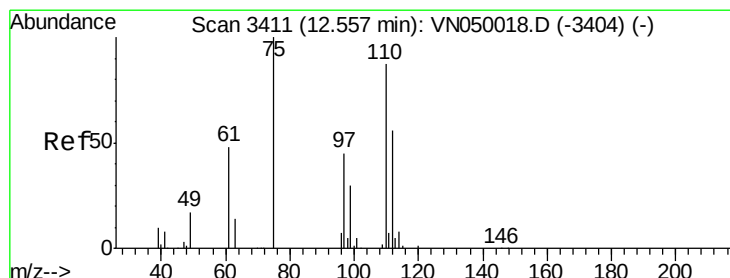
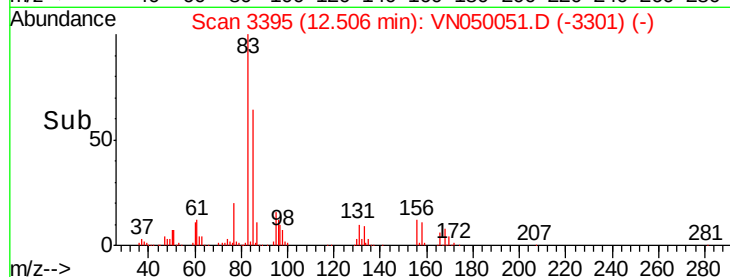
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.83 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050051.D

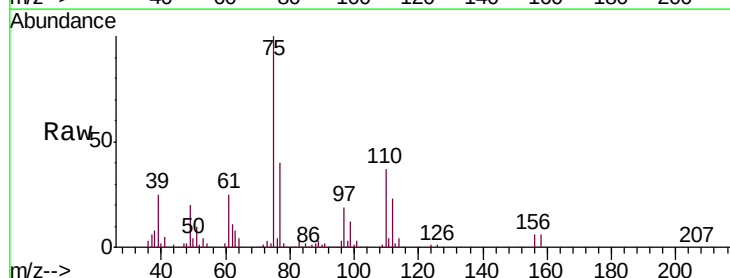
Acq: 25 Jul 2018 18:55

Tgt Ion: 75 Resp: 157370

Ion Ratio Lower Upper

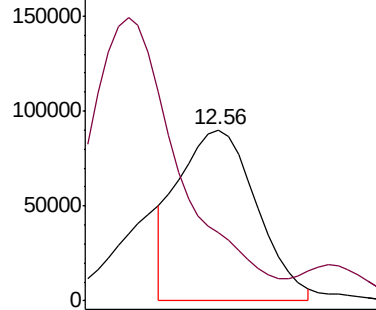
75 100

77 0.0 0.0 0.0

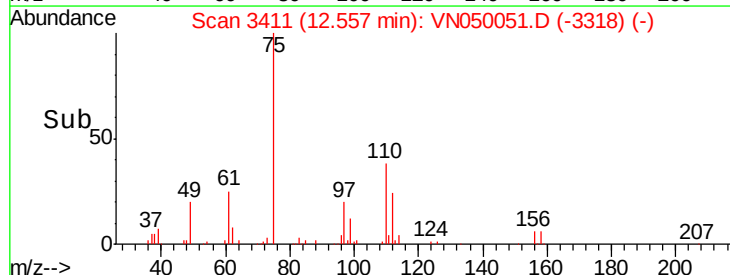


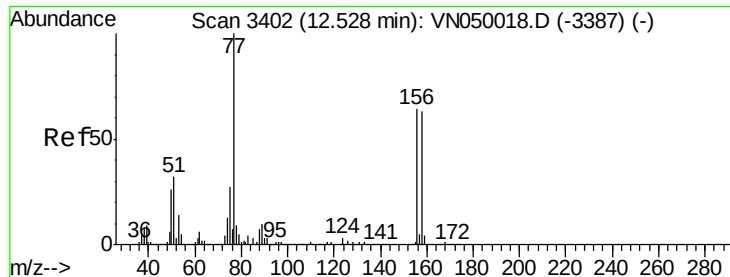
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#77

Bromobenzene

Concen: 19.10 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

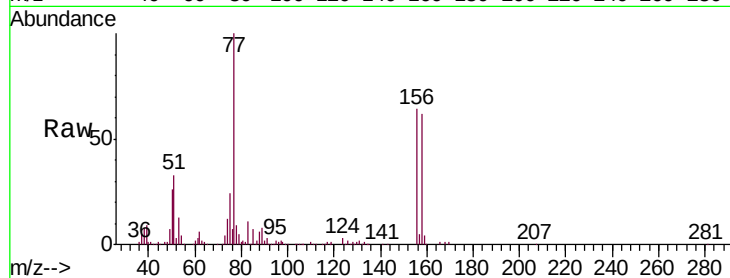
ClientSampleId :

VN0725WBS02

Tot Ion:	156	Resp:	166950
Ion Ratio	Lower	Upper	
156	100		
77	185.4	91.7	275.1
158	96.3	48.9	146.6

Manual Integrations
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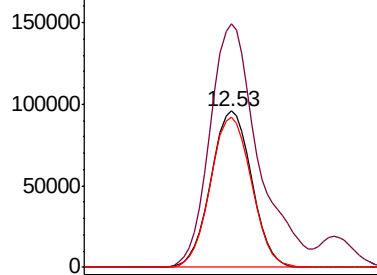
MMDadoda
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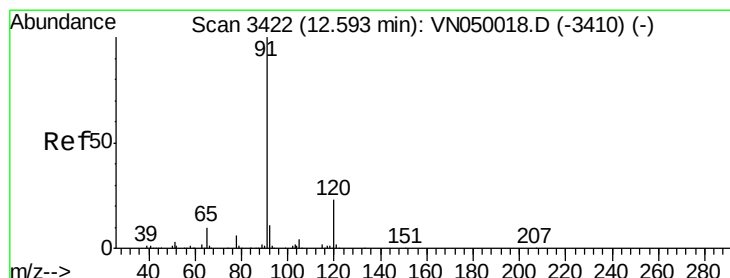
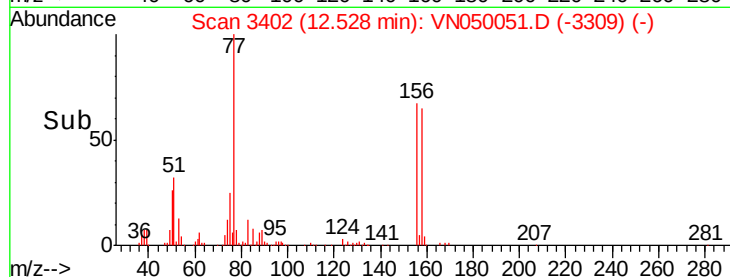
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.20 ug/l

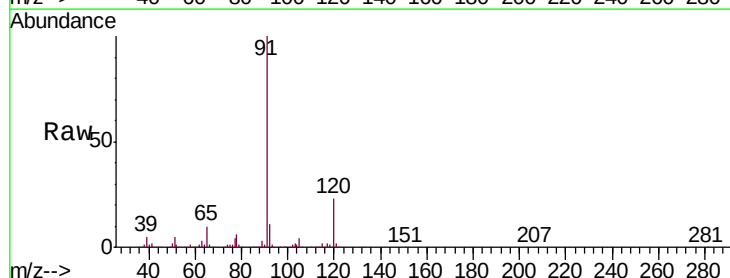
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050051.D

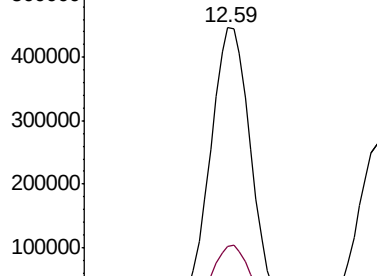
Acq: 25 Jul 2018 18:55

Tgt Ion:	91	Resp:	711830
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.6	34.7

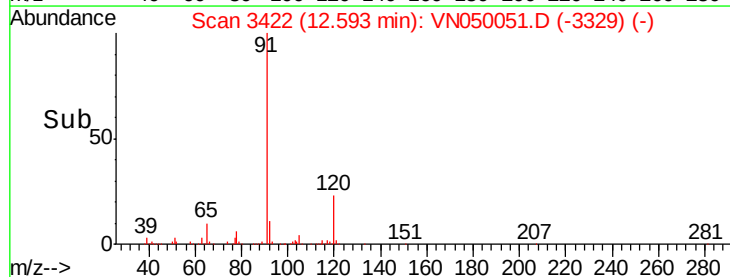


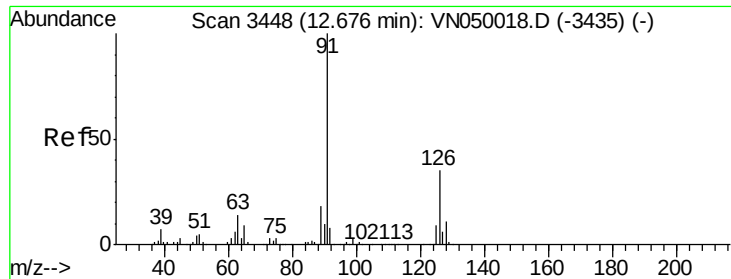
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.05 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 91 Resp: 437978

Ion Ratio Lower Upper

91 100

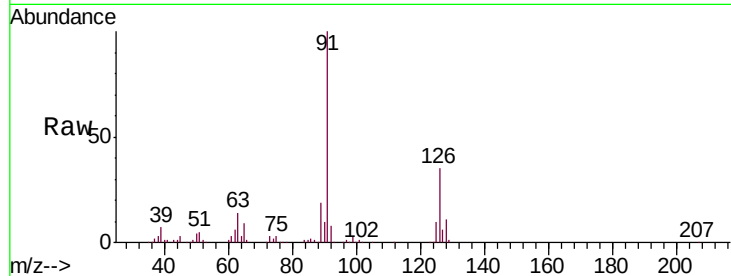
126 35.5 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)

400000

300000

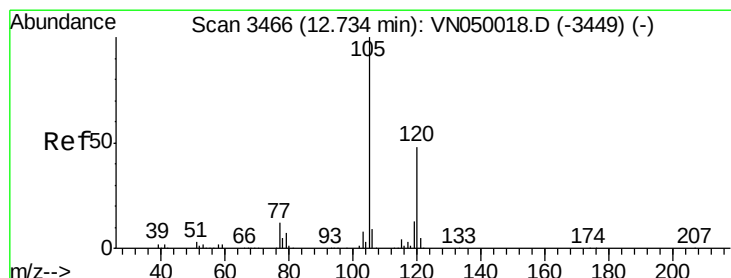
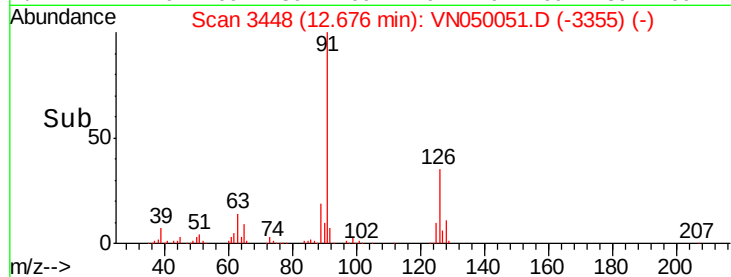
200000

100000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.00 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050051.D

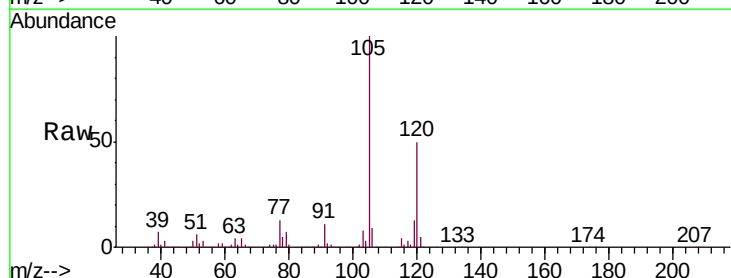
Acq: 25 Jul 2018 18:55

Tgt Ion: 105 Resp: 520910

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)

300000

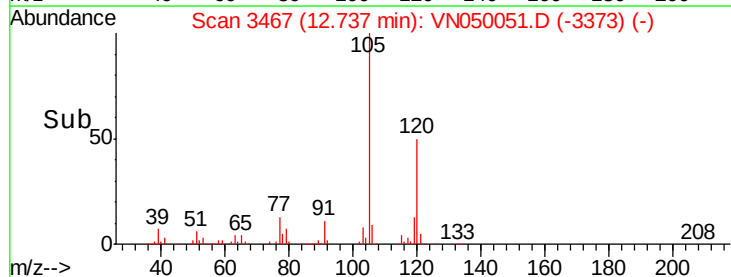
200000

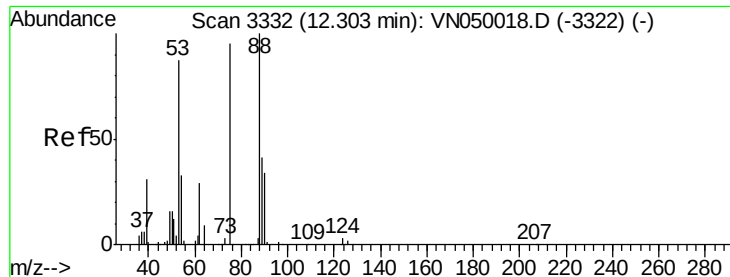
100000

0

12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.33 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion: 75 Resp: 43674

Ion Ratio Lower Upper

75 100

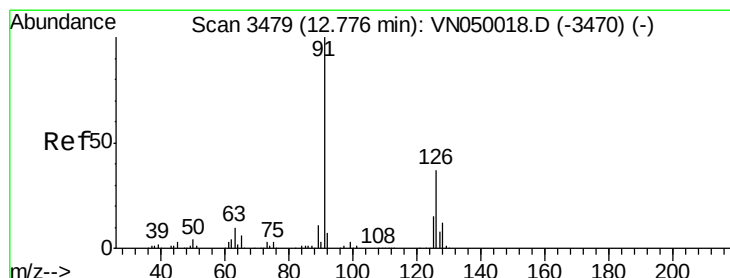
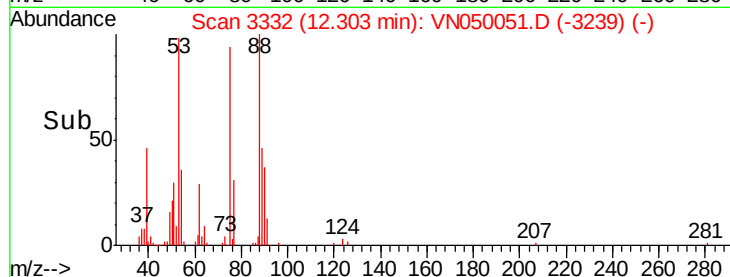
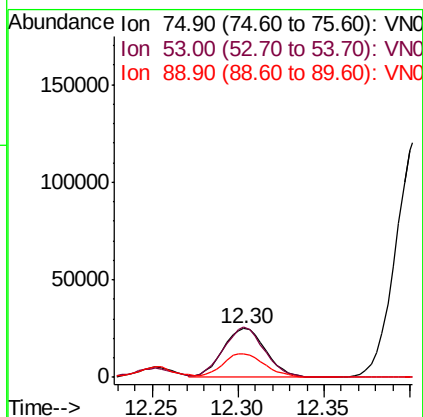
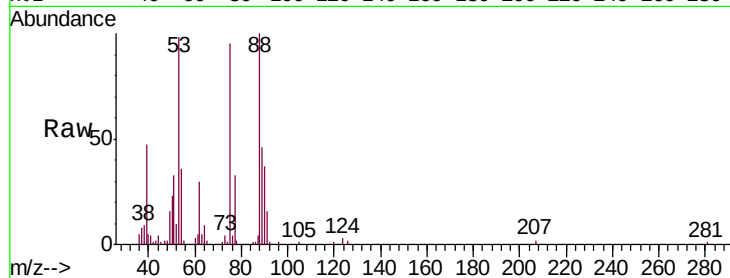
53 97.9 73.5 110.3

89 47.8 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.25 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050051.D

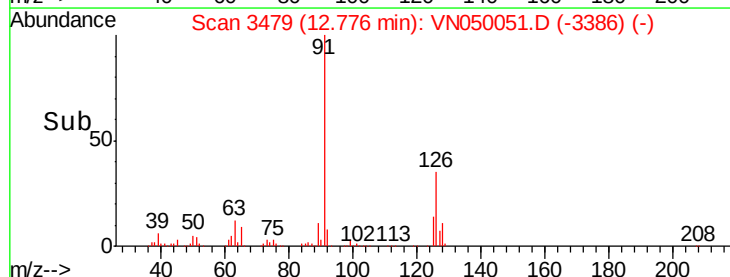
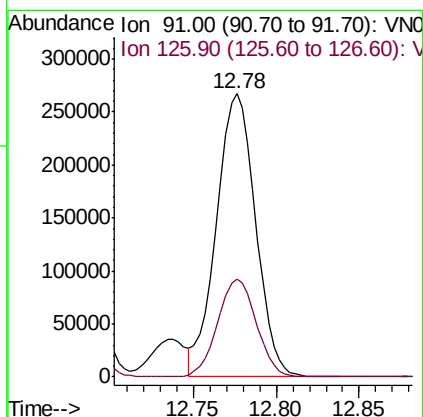
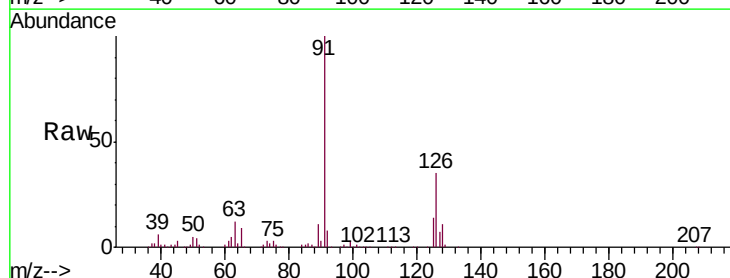
Acq: 25 Jul 2018 18:55

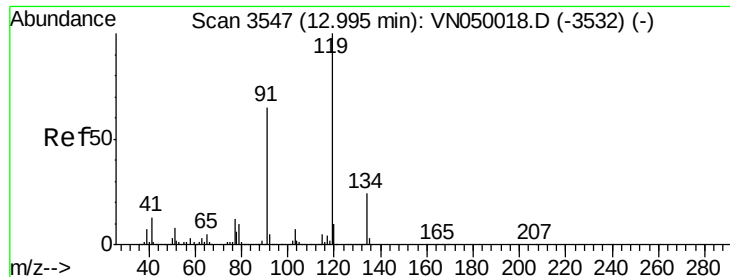
Tgt Ion: 91 Resp: 438006

Ion Ratio Lower Upper

91 100

126 34.3 17.0 51.0





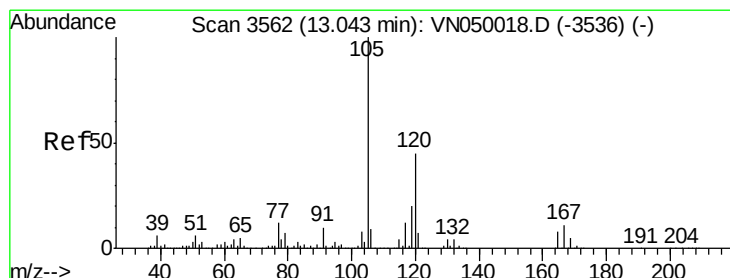
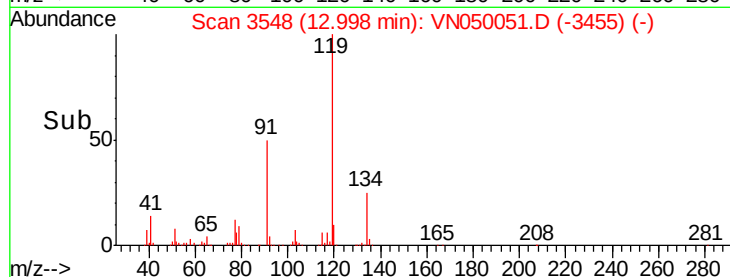
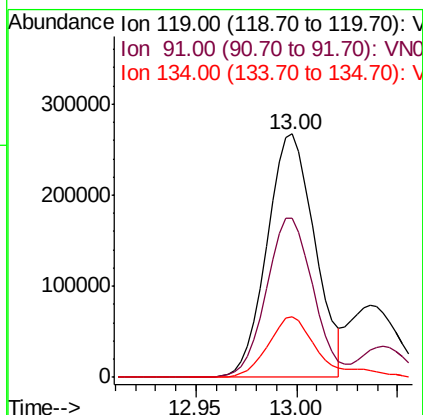
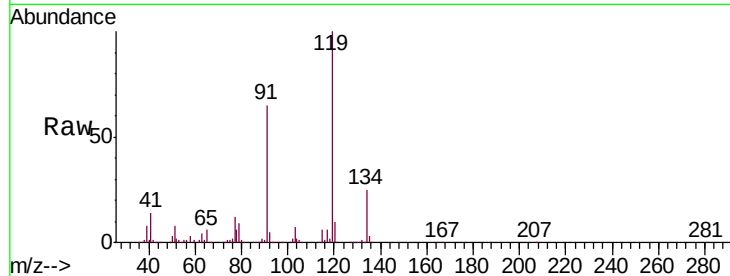
#83
 tert-Butylbenzene
 Concen: 20.28 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	26.6	13.2	39.5

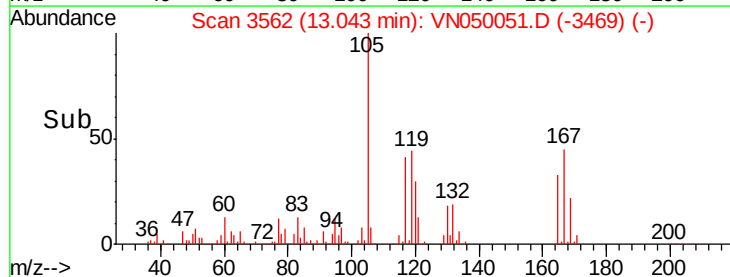
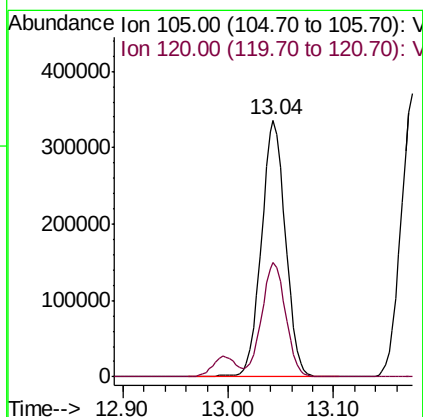
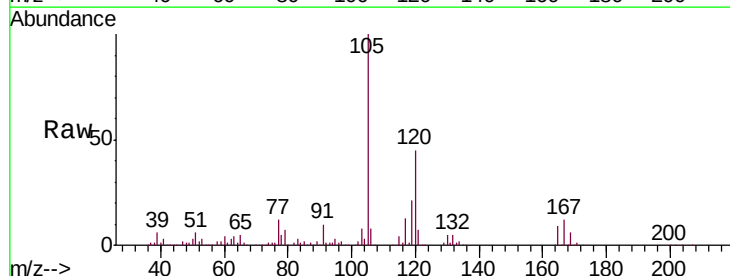
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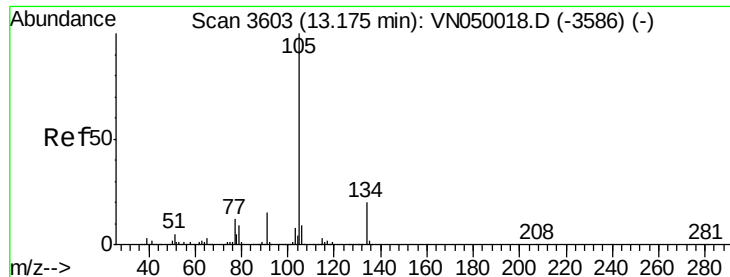
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.40 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.41 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS02

Tot Ion:105 Resp: 590312

Ion Ratio Lower Upper

105 100

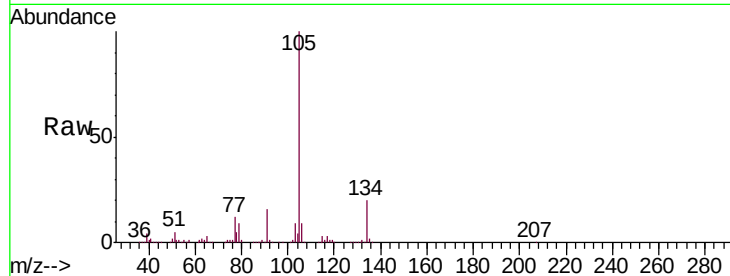
134 20.1 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

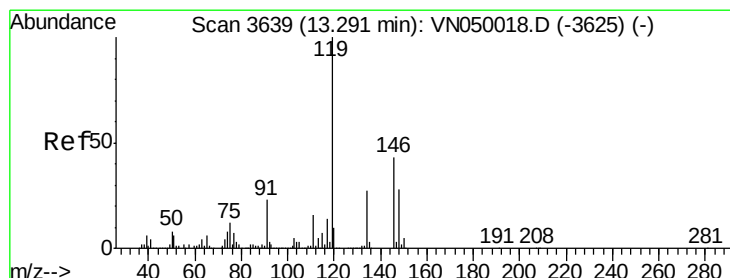
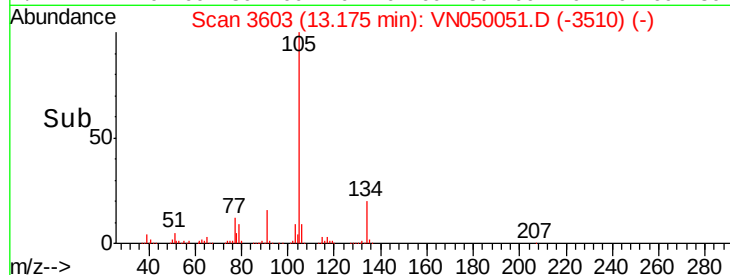
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.41 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

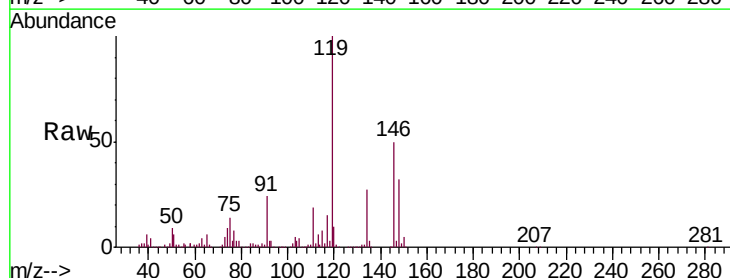
Tgt Ion:119 Resp: 497363

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 23.4 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

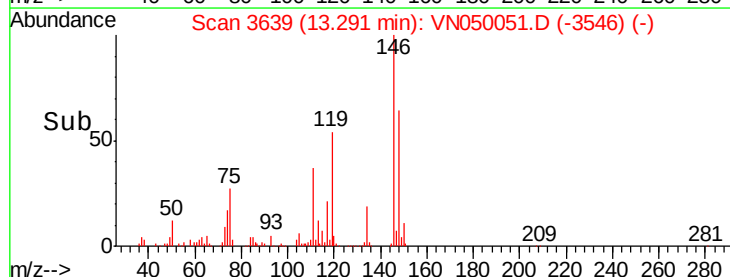
300000

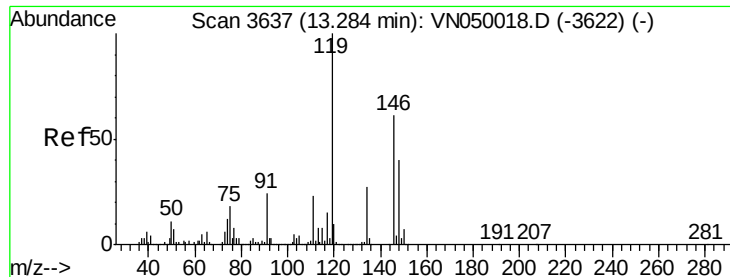
200000

100000

0

Time-->





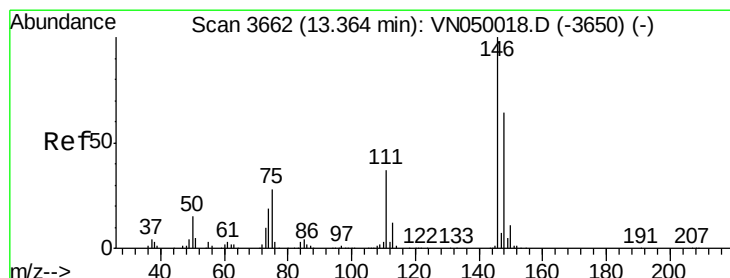
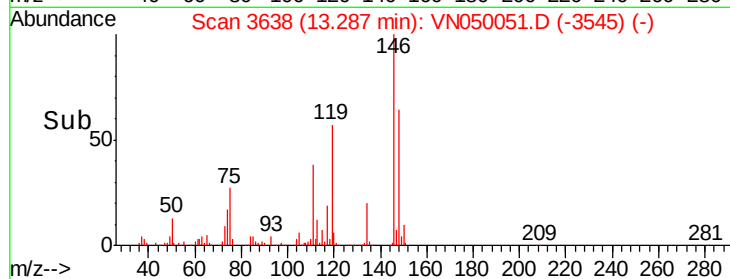
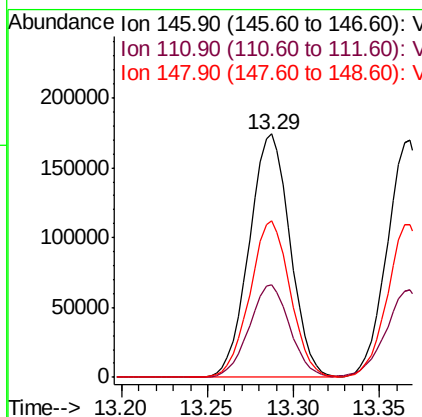
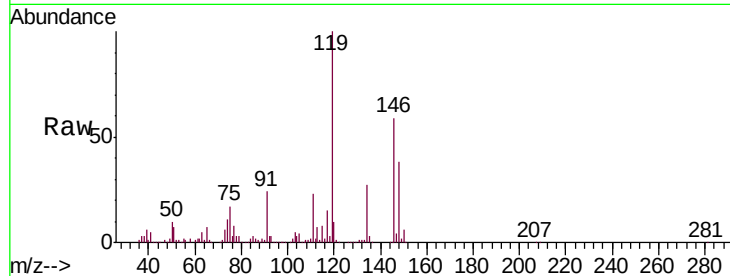
#87
 1,3-Dichlorobenzene
 Concen: 19.35 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286650		
111	37.7	18.8	56.4	
148	63.6	31.9	95.9	

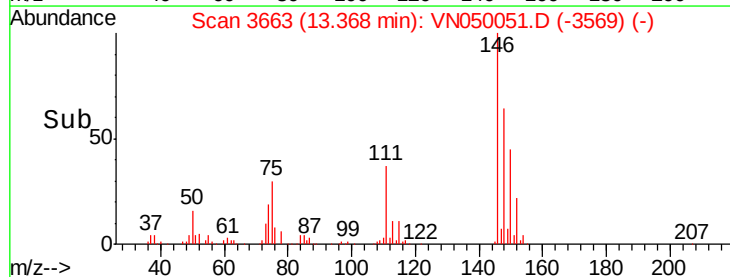
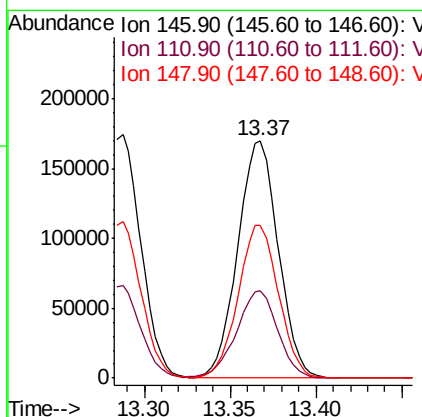
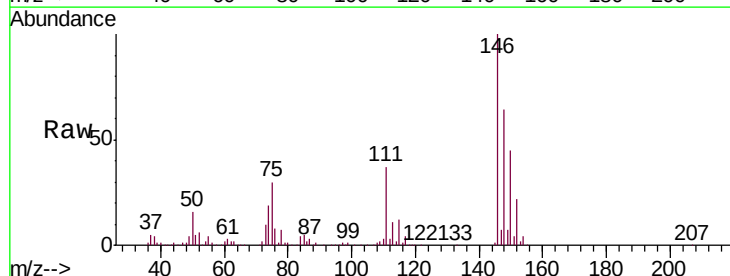
Manual Integrations
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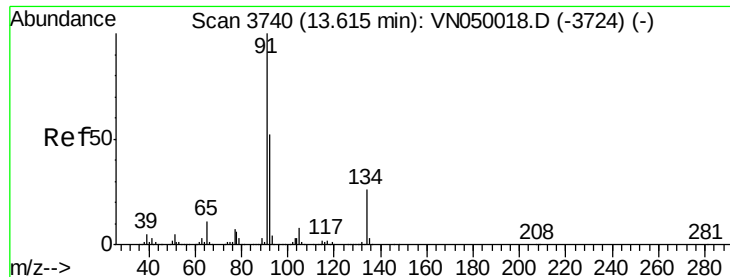
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#88
 1,4-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	277801		
111	37.7	18.3	54.9	
148	64.2	31.9	95.9	





#89

n-Butylbenzene

Concen: 18.80 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

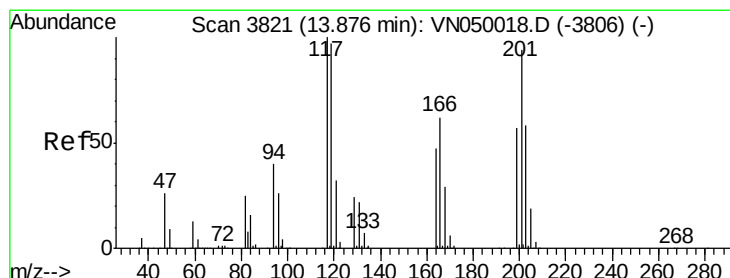
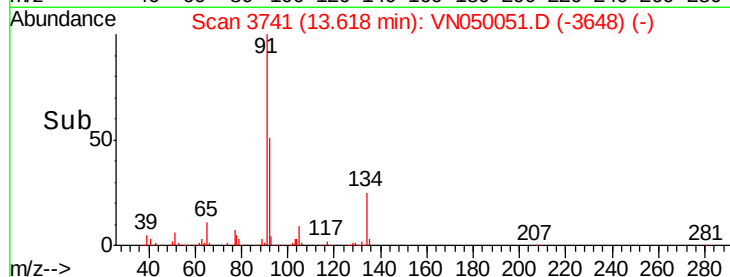
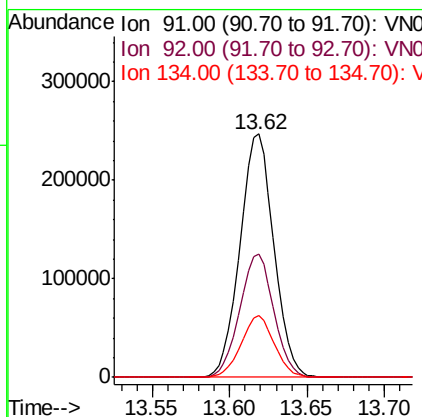
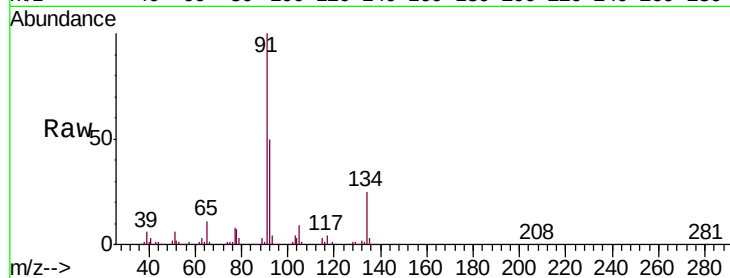
ClientSampleId :

VN0725WBS02

Tot Ion:	91	Resp:	376720
Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.4
134	24.8	12.8	38.4

Manual Integrations
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#90

Hexachloroethane

Concen: 18.46 ug/l

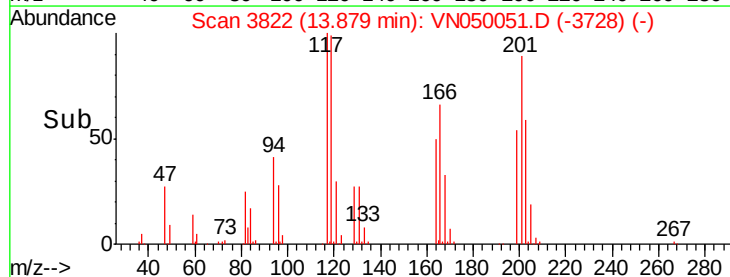
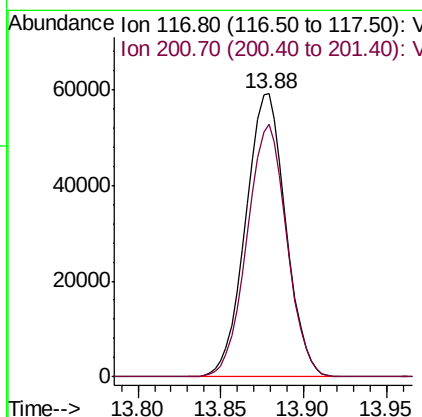
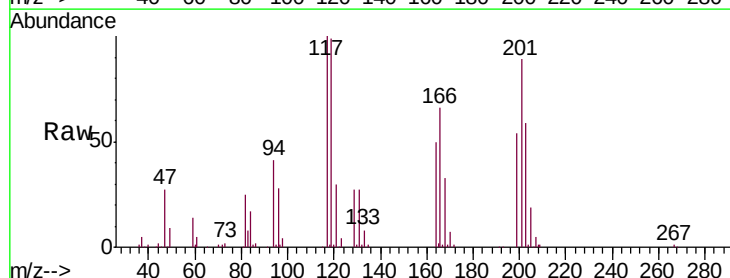
RT: 13.88 min Scan# 3822

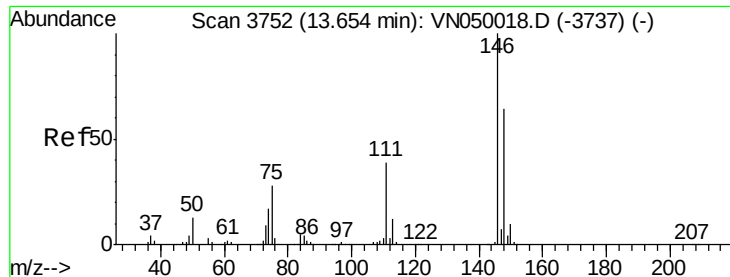
Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion:	117	Resp:	99903
Ion	Ratio	Lower	Upper
117	100		
201	88.3	45.6	136.8





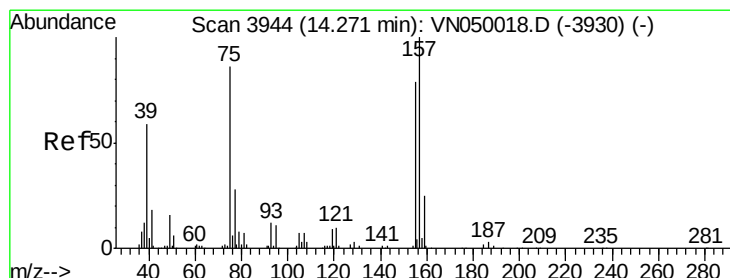
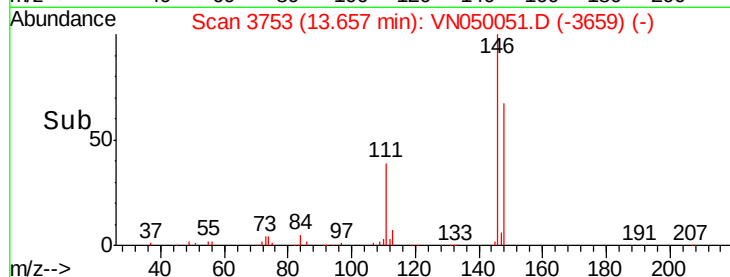
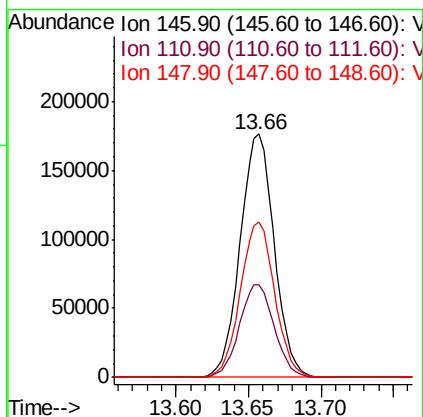
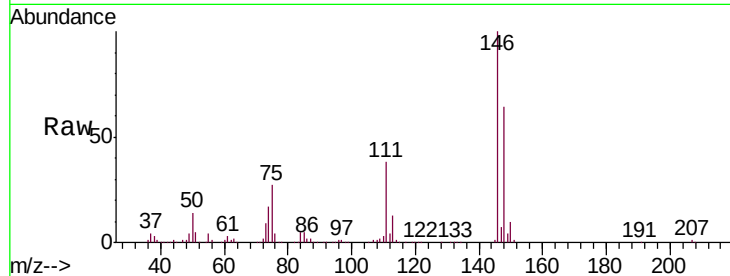
#91
 1,2-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	64.2	32.1	96.3

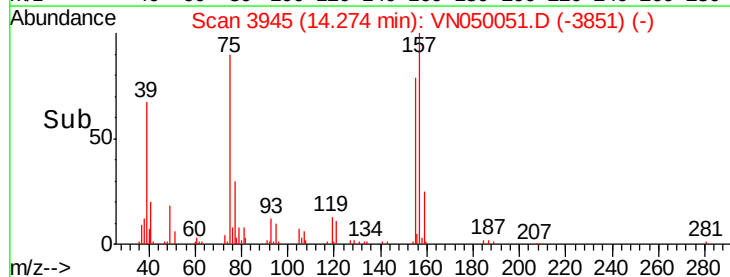
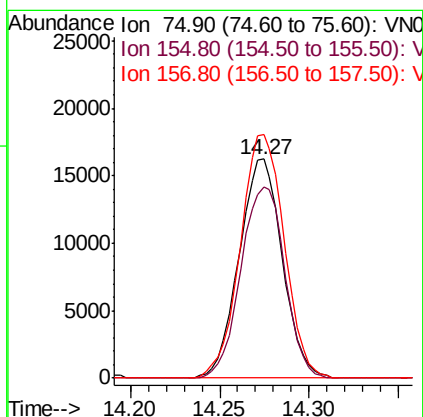
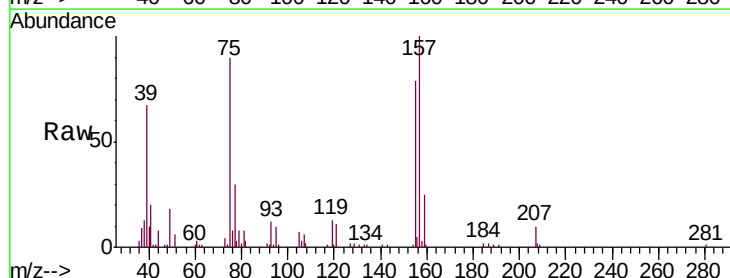
Manual Integrations
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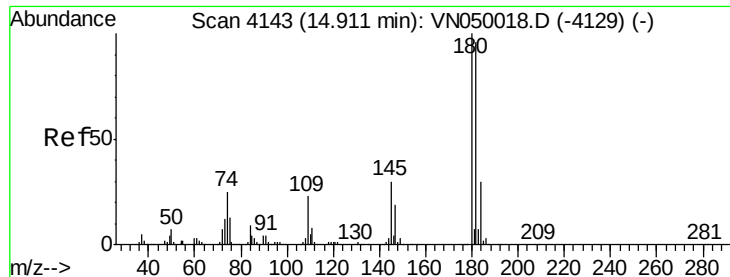
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.01 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	44.8	134.4
157	112.8	57.2	171.6





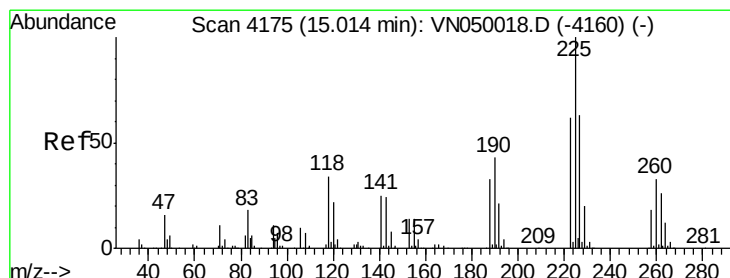
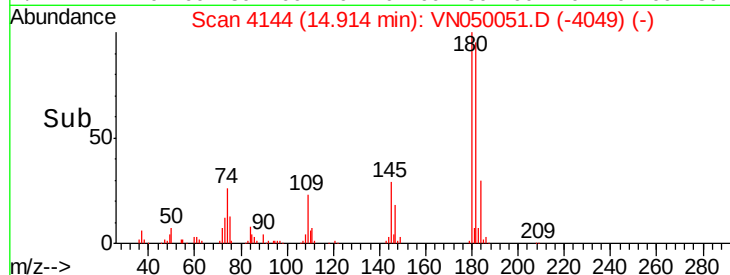
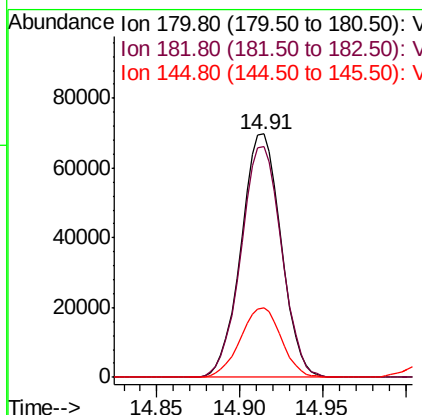
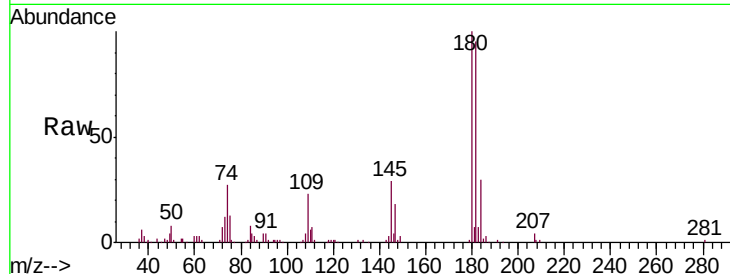
#93
 1,2,4-Trichlorobenzene
 Concen: 17.04 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116837		
182	96.3	46.7	140.1	
145	29.4	13.8	41.4	

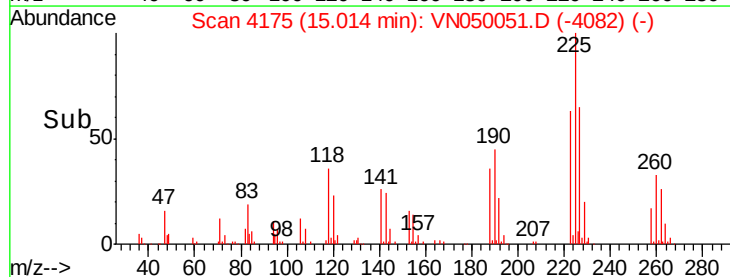
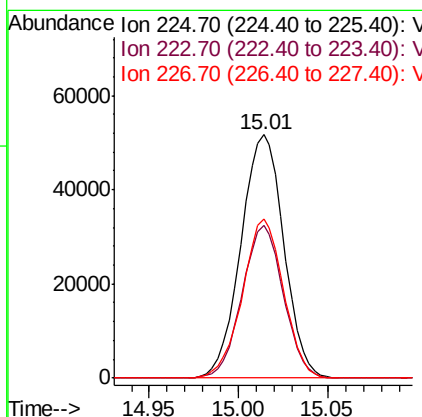
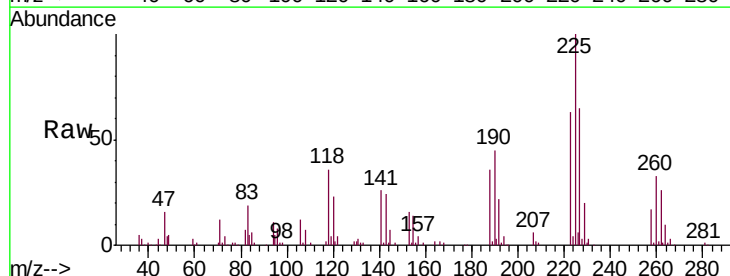
Manual Integrations
 APPROVED

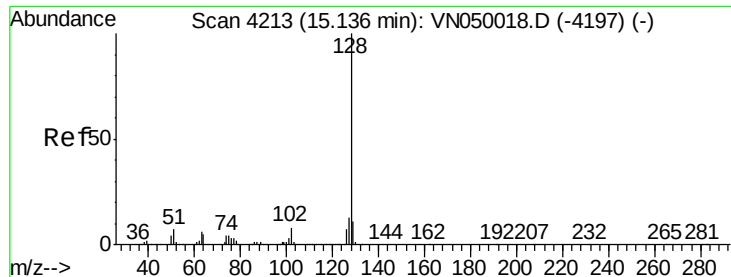
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.10 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050051.D
 Acq: 25 Jul 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86574		
223	60.4	31.4	94.2	
227	62.5	32.1	96.5	





#95

Naphthalene

Concen: 16.31 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Instrument :

MSVOA_N

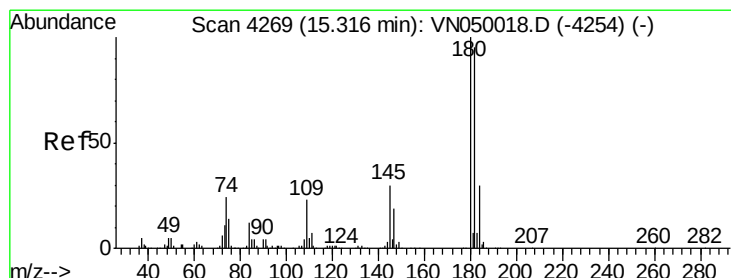
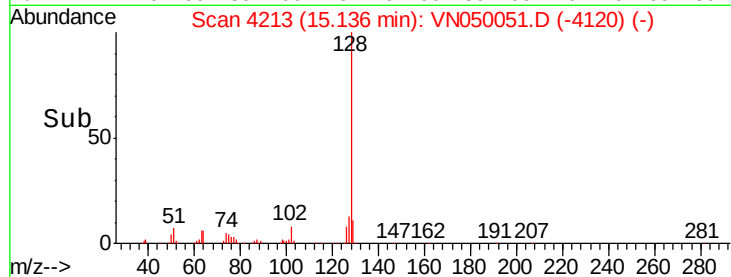
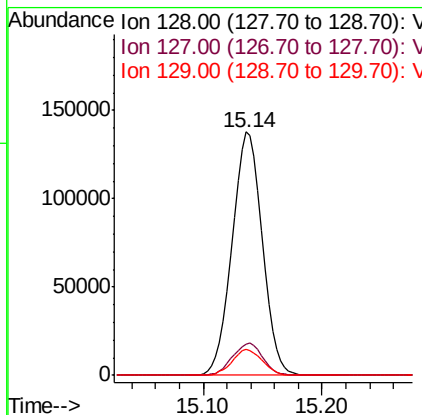
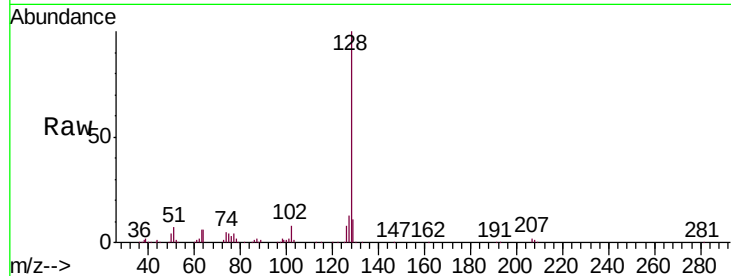
ClientSampleId :

VN0725WBS02

Tot Ion:	128	Resp:	242225
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 17.80 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050051.D

Acq: 25 Jul 2018 18:55

Tgt Ion:	180	Resp:	124766
Ion Ratio	Lower	Upper	
180	100		
182	93.4	48.1	144.4
145	29.4	15.3	45.9

