

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051675.D
 Acq On : 5 Oct 2018 10:00
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:47 PM

Quant Time: Oct 05 10:49:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 10:47:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	115824	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	670805	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	628659	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243830	30.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.57%
60) 4-Bromofluorobenzene	12.40	95	308126	32.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	108.20%
63) Toluene-d8	10.09	98	821309	27.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	90.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	336269	59.727	ug/l 100
3) Chloromethane	2.06	50	348343	35.565	ug/l 100
4) Vinyl Chloride	2.18	62	531088	50.416	ug/l 99
5) Bromomethane	2.56	94	397232	58.005	ug/l 88
6) Chloroethane	2.70	64	358614	54.929	ug/l 97
7) Trichlorofluoromethane	3.01	101	558016	40.499	ug/l 97
8) Diethyl Ether	3.41	74	157391	38.517	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	297348	42.716	ug/l 42
10) 1,1-Dichloroethene	3.74	96	268716	42.245	ug/l 96
11) Methyl Iodide	3.95	142	380288	40.037	ug/l 94
12) Methyl Acetate	4.33	43	217973	39.260	ug/l 99
13) Acrolein	3.61	56	74704	98.630	ug/l 90
14) Acrylonitrile	4.99	53	454097	199.701	ug/l # 61
15) Acetone	3.82	58	107645	194.127	ug/l 95
16) Carbon Disulfide	4.05	76	789274	39.346	ug/l 99
17) Allyl chloride	4.32	41	409446	36.701	ug/l 77
18) Methylene Chloride	4.55	84	315935	41.499	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	309129	44.636	ug/l 92
20) Diisopropyl ether	5.95	45	887509	39.095	ug/l # 88
21) 1,1-Dichloroethane	5.85	63	571846	42.242	ug/l # 96
22) cis-1,2-Dichloroethene	6.83	96	364190	46.832	ug/l 90
23) tert-Butyl Alcohol	4.79	59	125543	295.175	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	876057	50.501	ug/l # 57
25) Chloroform	7.37	83	632625	46.706	ug/l 98
26) Cyclohexane	7.65	56	485549	42.205	ug/l # 83
29) 1,1-Dichloropropene	7.79	75	461473	41.445	ug/l 97
30) 2-Butanone	6.84	43	546156	192.927	ug/l # 92
31) 2,2-Dichloropropane	6.83	77	563982	47.514	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	596414	46.904	ug/l 97
33) Carbon Tetrachloride	7.78	117	554660	47.790	ug/l 90
34) Benzene	8.04	78	1377958m	41.569	ug/l
35) Methacrylonitrile	7.17	41	117746m	32.935	ug/l
36) 1,2-Dichloroethane	8.13	62	459758	43.037	ug/l 99
37) Trichloroethene	8.84	130	379466	43.382	ug/l 99
38) Methylcyclohexane	9.08	83	578895	45.402	ug/l 84
39) 1,2-Dichloropropane	9.12	63	339362	37.636	ug/l 96
40) Dibromomethane	9.21	93	233325	45.471	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	518229	46.050	ug/l	93
42) Vinyl Acetate	5.90	43	3264652	205.200	ug/l #	94
43) Ethyl Acetate	6.93	43	250661	42.060	ug/l	98
44) Isopropyl Acetate	8.17	43	522749	45.789	ug/l	98
45) 1,4-Dioxane	9.20	88	68303	978.348	ug/l #	82
46) Methyl methacrylate	9.20	41	238342	42.052	ug/l	83
47) n-amyl Acetate	12.07	43	466854m	51.469	ug/l	
48) t-1,3-Dichloropropene	10.38	75	540525	48.799	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	566316	43.771	ug/l	91
50) 1,1,2-Trichloroethane	10.56	97	331396	45.302	ug/l	96
51) Ethyl methacrylate	10.43	69	418574	48.865	ug/l	88
52) 1,3-Dichloropropane	10.71	76	528085	42.761	ug/l	97
53) Dibromochloromethane	10.90	129	427817	50.841	ug/l	96
54) 1,2-Dibromoethane	11.01	107	345400	49.164	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	876189	205.098	ug/l	96
56) Bromoform	12.13	173	318654	56.510	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	1322265	203.467	ug/l #	93
59) 2-Hexanone	10.75	43	900620	212.855	ug/l	95
61) Tetrachloroethene	10.63	164	365546	42.414	ug/l	98
62) Toluene	10.16	91	1604770	42.288	ug/l	99
64) Chlorobenzene	11.43	112	1028374	44.282	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	416023	46.266	ug/l	99
66) Ethyl Benzene	11.51	91	1821613	46.712	ug/l	100
67) m/p-Xylenes	11.62	106	1516289	100.009	ug/l	100
68) o-Xylene	11.95	106	736792	51.136	ug/l	93
69) Styrene	11.96	104	1210782	53.061	ug/l	99
70) Isopropylbenzene	12.25	105	2024623	52.420	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	415890	46.436	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	331005m	42.674	ug/l	
73) Bromobenzene	12.53	156	484420	50.239	ug/l	88
74) n-propylbenzene	12.59	91	2279382	50.967	ug/l	95
75) 2-Chlorotoluene	12.67	91	1332209	50.372	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	1778156	55.660	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	134256	55.524	ug/l	93
78) 4-Chlorotoluene	12.77	91	1386388	52.778	ug/l	94
79) tert-butylbenzene	12.99	119	1587826	57.383	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1802503	55.940	ug/l	97
81) sec-Butylbenzene	13.17	105	2183847	57.275	ug/l	98
82) p-Isopropyltoluene	13.29	119	1928450	58.536	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	939565	55.555	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	909492	57.168	ug/l	97
85) n-Butylbenzene	13.62	91	1541192	57.734	ug/l	95
86) Hexachloroethane	13.87	117	373178	57.045	ug/l	87
87) 1,2-Dichlorobenzene	13.65	146	920287	56.848	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	72861	55.487	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	387397	49.488	ug/l	98
90) Hexachlorobutadiene	15.01	225	249774	40.582	ug/l	97
91) Naphthalene	15.13	128	814619	56.647	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	370822	46.979	ug/l	94

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ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations
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QLast Update : Fri Oct 05 10:47:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

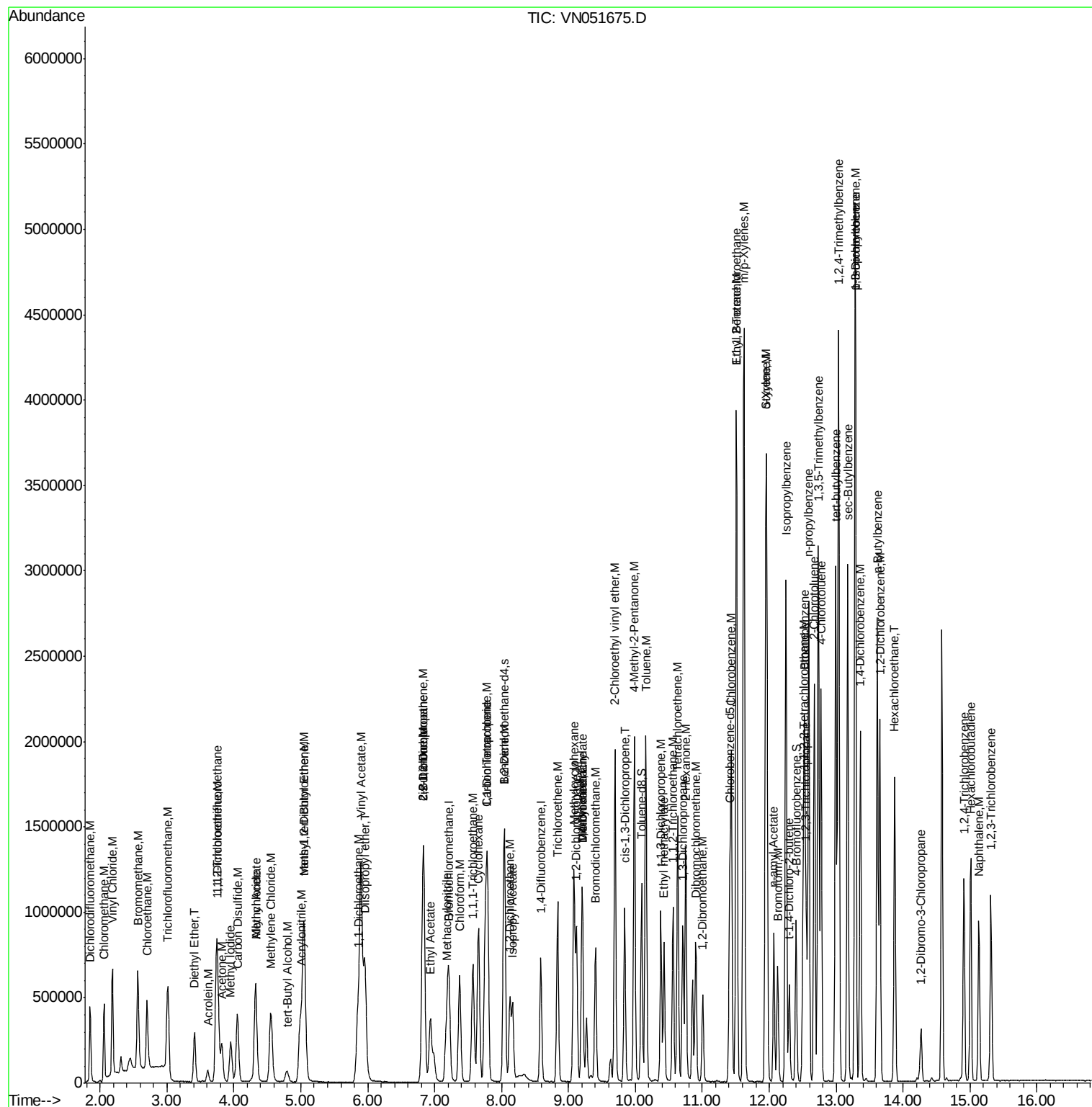
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Data File : VN051675.D
Acq On : 5 Oct 2018 10:00
Operator : MD\SY
Sample : VSTDIC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

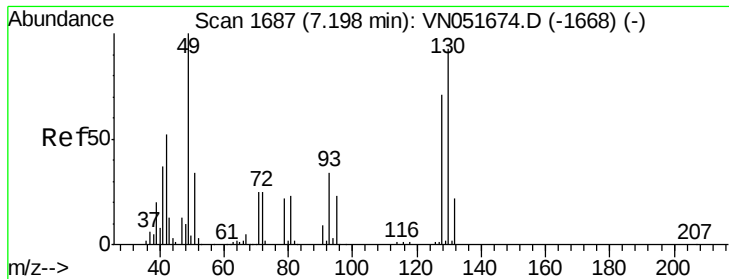
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Manual Integrations
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10/8/2018 3:58:47 PM

Quant Time: Oct 05 10:49:31 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

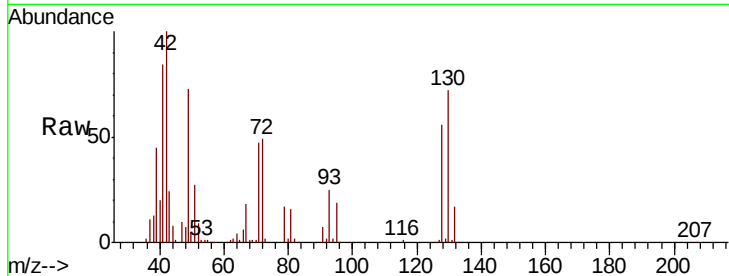
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	115824
Ion	Ratio	Lower	Upper
128	100		
49	137.3	0.0	403.3
130	129.0	0.0	326.0

Manual Integrations
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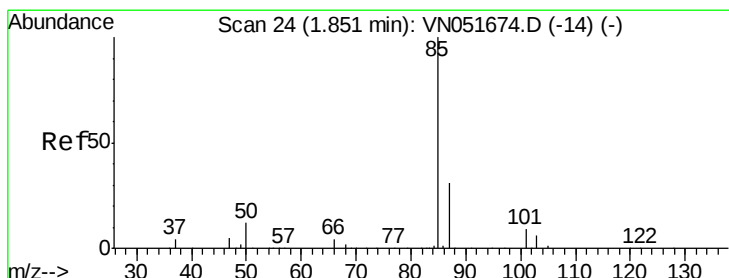
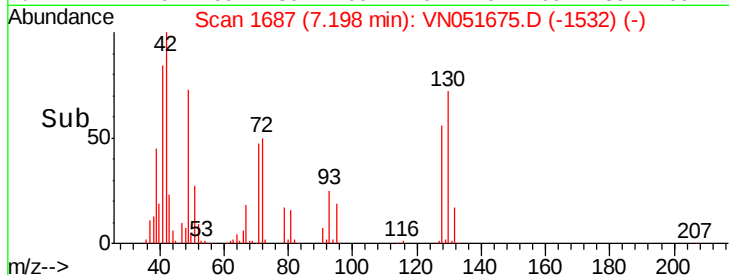
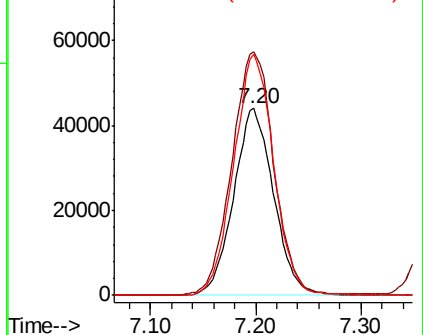


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 59.727 ug/l

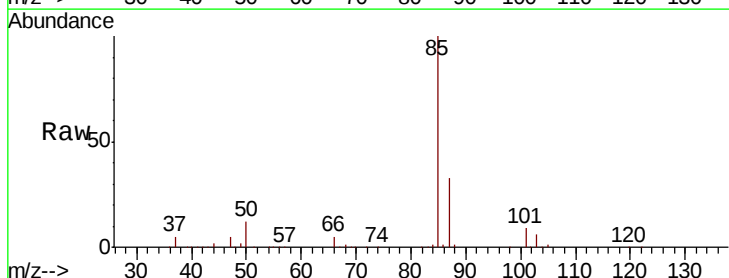
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

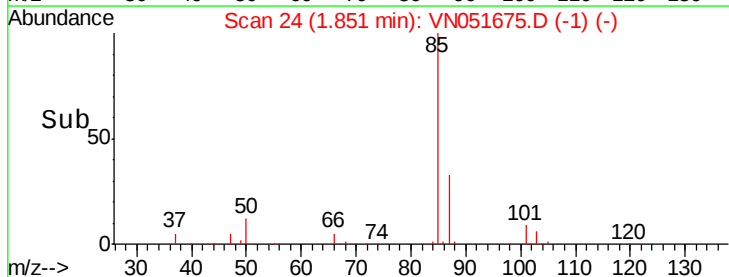
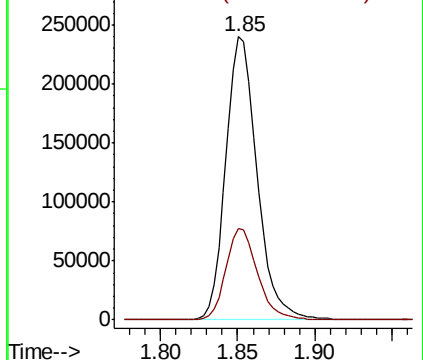
Tgt Ion:	85	Resp:	336269
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.3	48.8

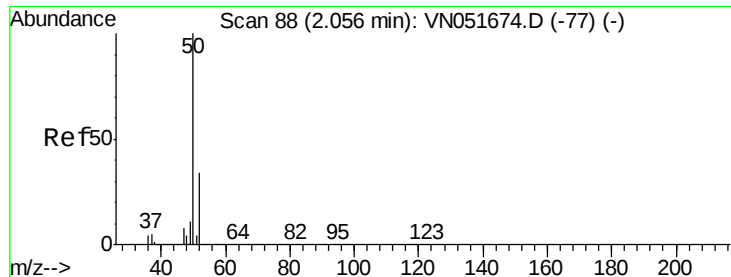


Abundance

Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





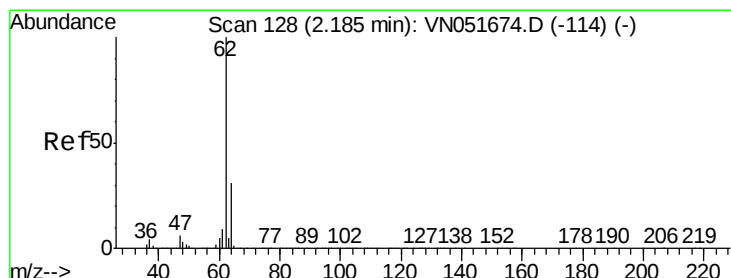
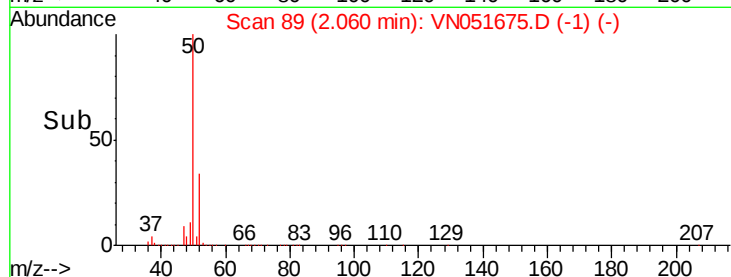
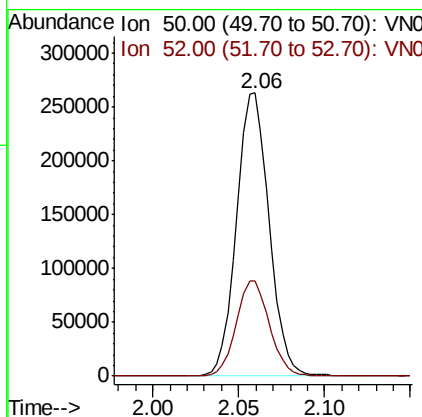
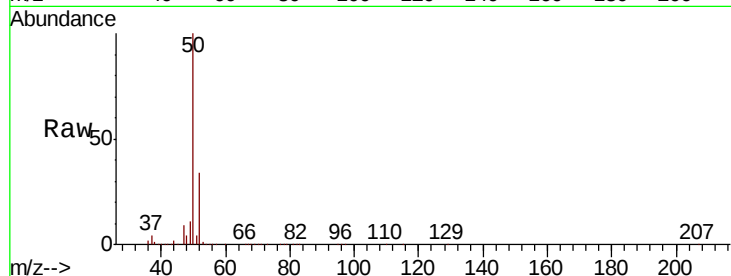
#3
Chloromethane
Concen: 35.565 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.8	27.2	40.8

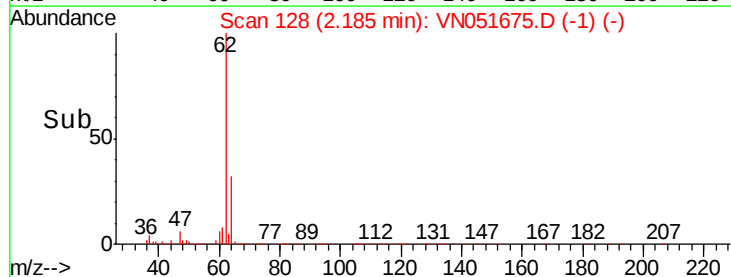
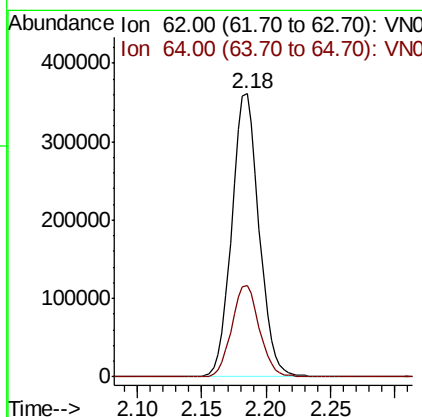
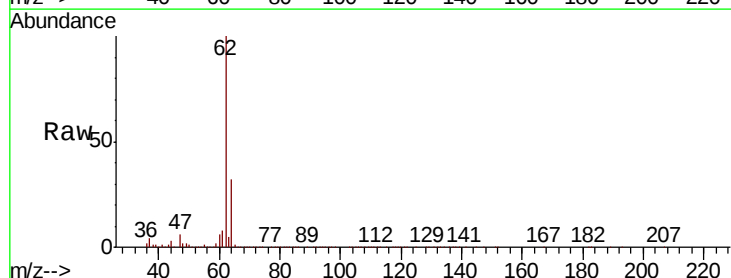
Manual Integrations
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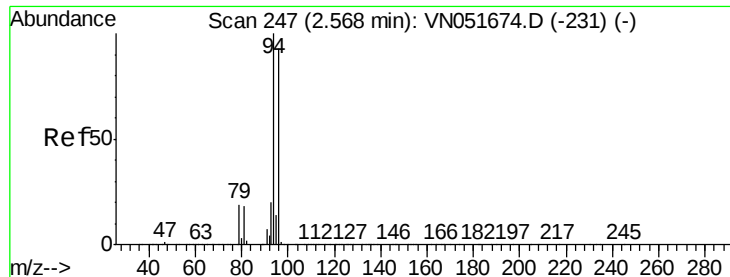
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#4
Vinyl Chloride
Concen: 50.416 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.4	38.2





#5

Bromomethane

Concen: 58.005 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 397232

Ion Ratio Lower Upper

94 100

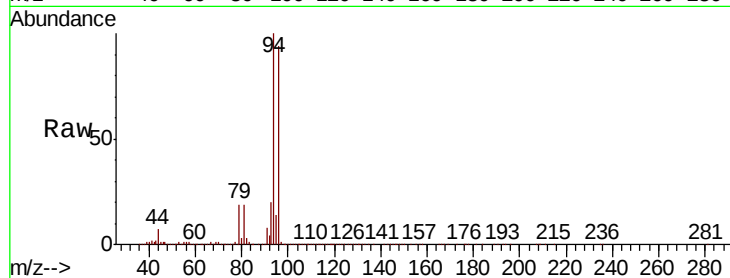
96 94.1 66.4 99.6

Manual Integrations

APPROVED

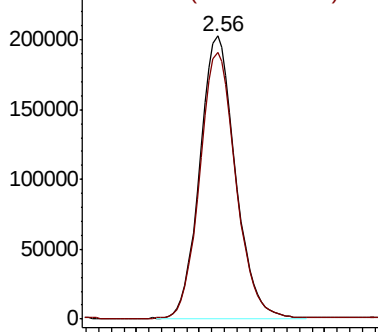
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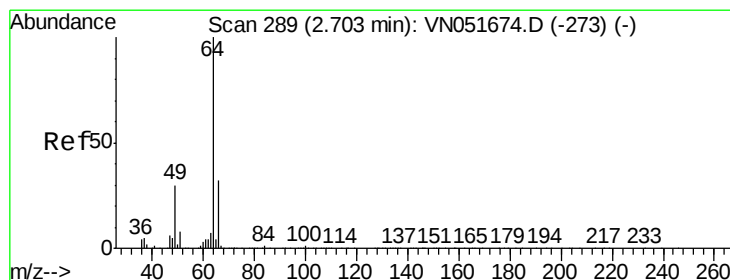
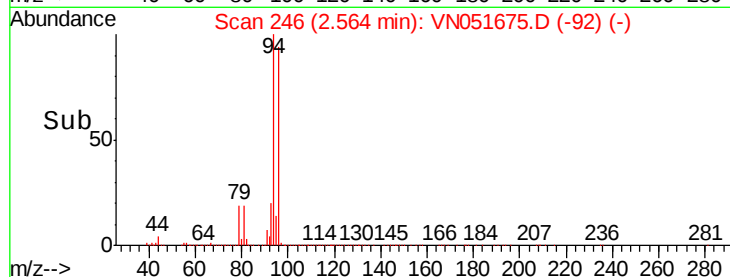


Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time-->



#6

Chloroethane

Concen: 54.929 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051675.D

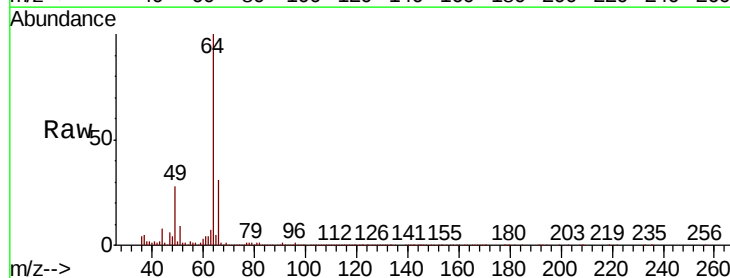
Acq: 5 Oct 2018 10:00

Tgt Ion: 64 Resp: 358614

Ion Ratio Lower Upper

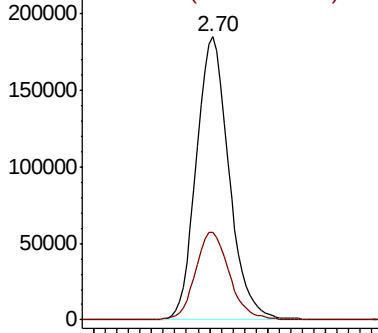
64 100

66 30.7 25.8 38.6

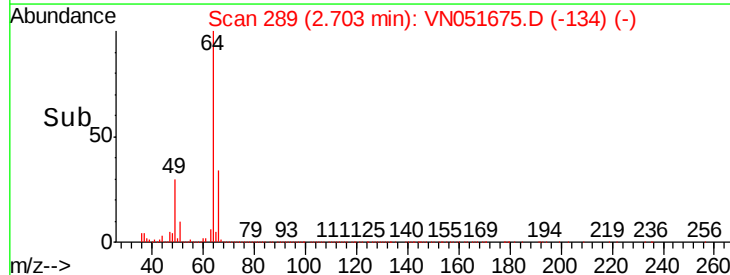


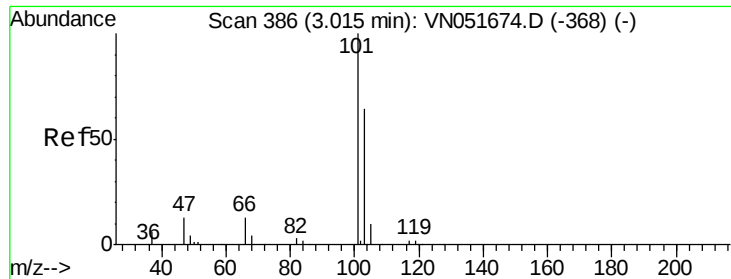
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->





#7

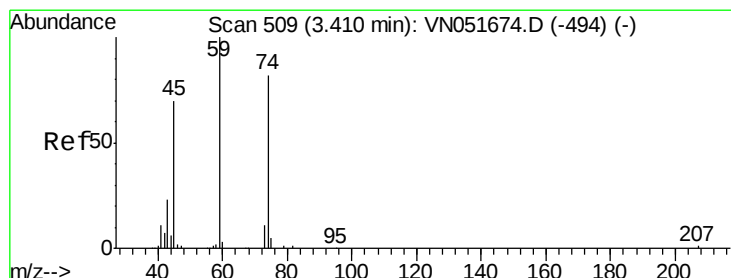
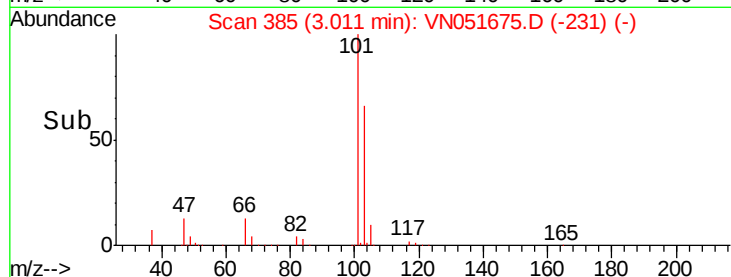
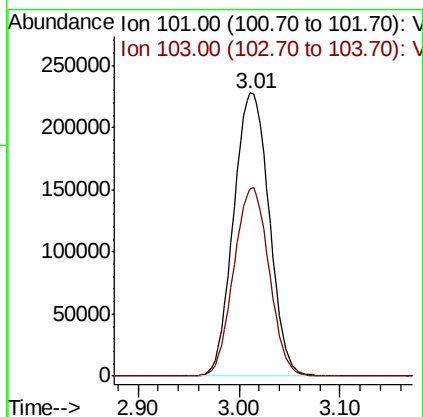
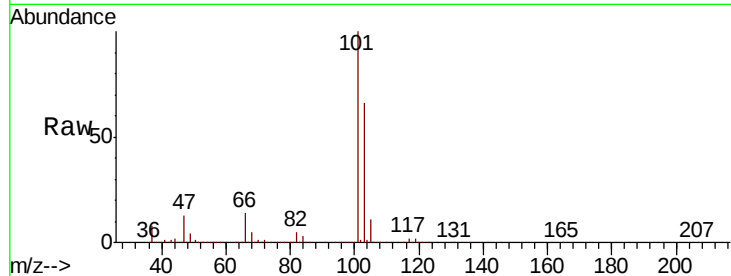
Trichlorofluoromethane
Concen: 40.499 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	54.8	82.2

Manual Integrations
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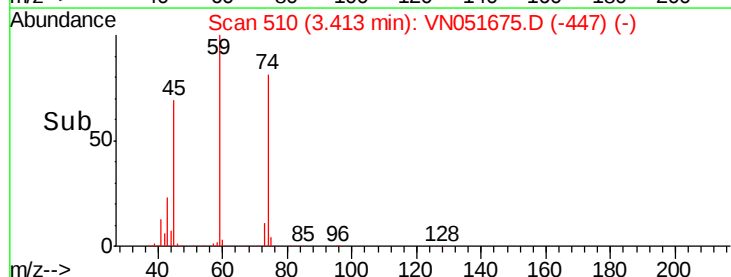
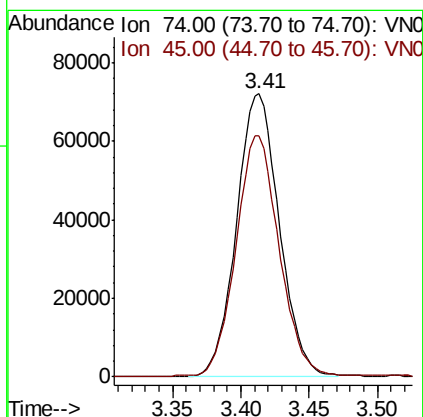
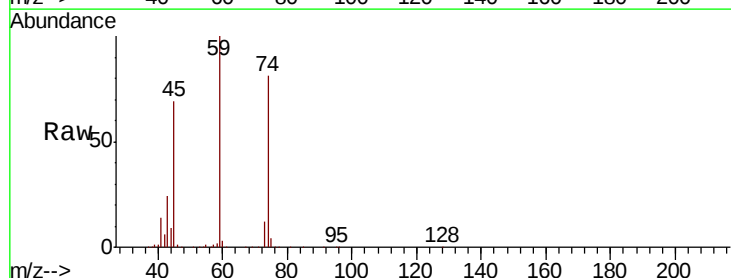
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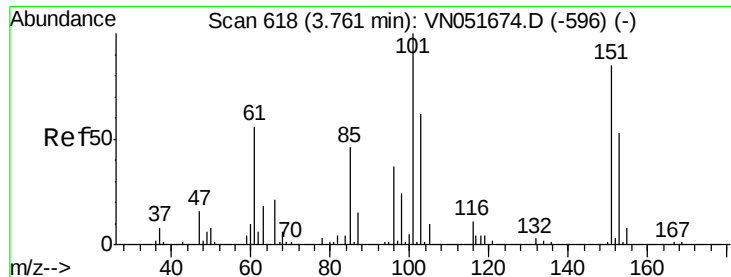


#8

Diethyl Ether
Concen: 38.517 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.2	20.7	186.5





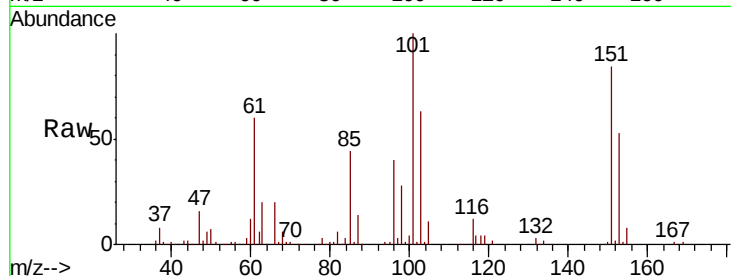
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 42.716 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

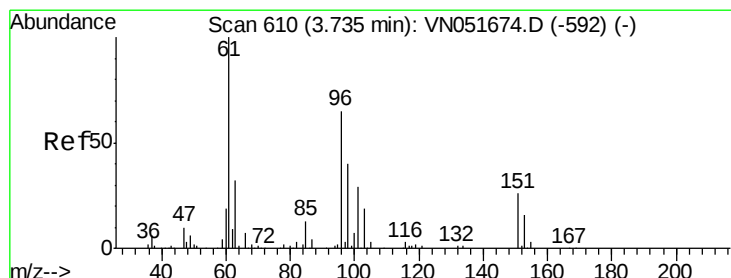
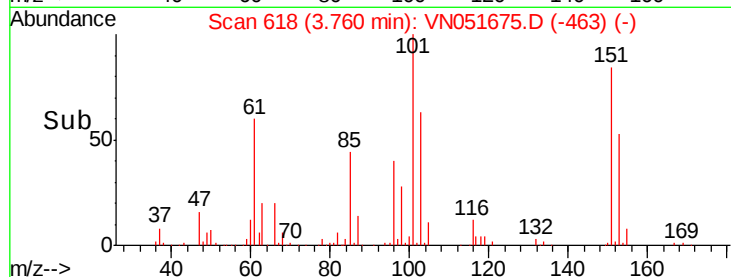
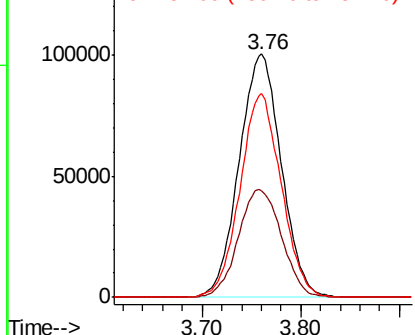
Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	45.5	0.0	46.0
151	81.9	0.0	82.2

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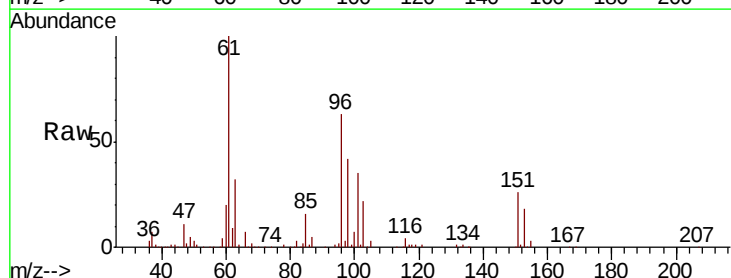


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

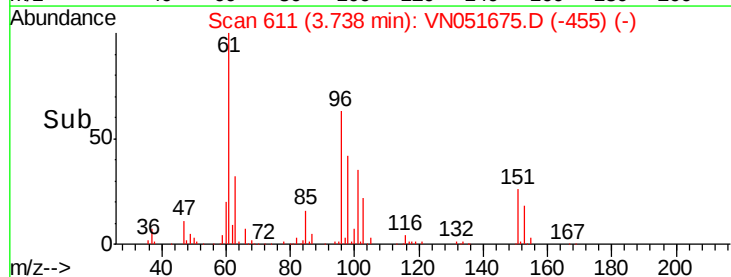
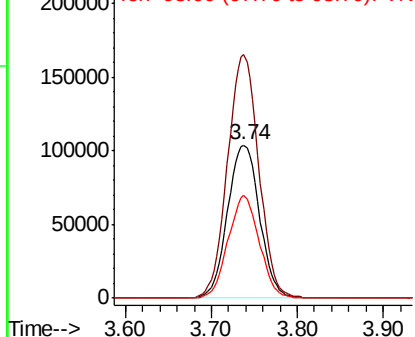


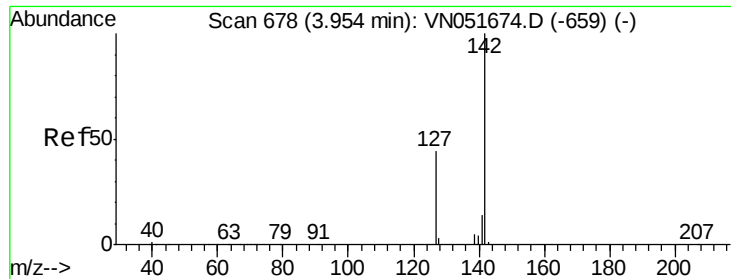
#10
 1,1-Dichloroethene
 Concen: 42.245 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	159.3	133.0	199.6
98	67.0	52.6	78.8



Abundance Ion 96.00 (95.70 to 96.70): VN
 Ion 61.00 (60.70 to 61.70): VN
 Ion 98.00 (97.70 to 98.70): VN





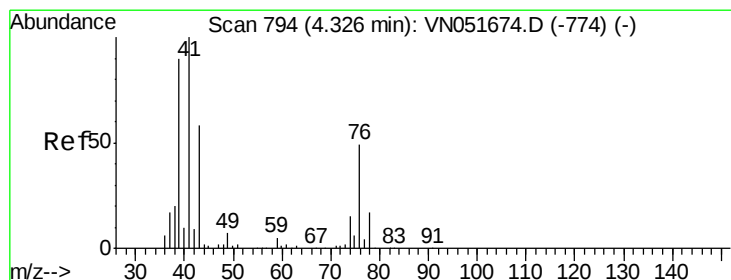
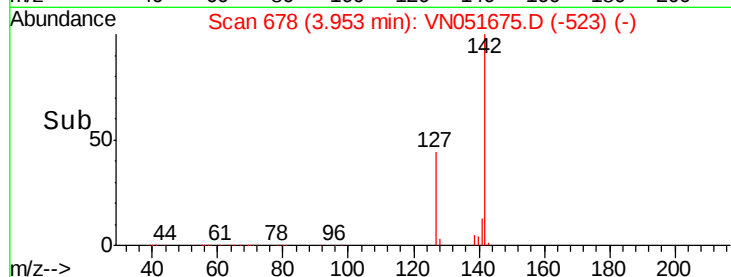
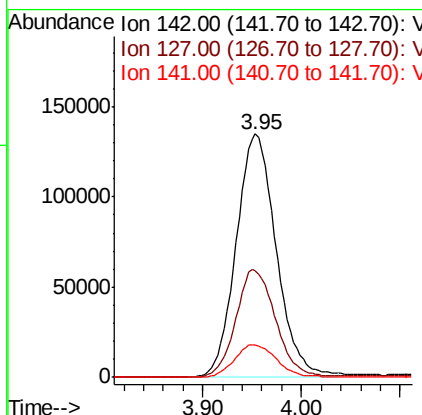
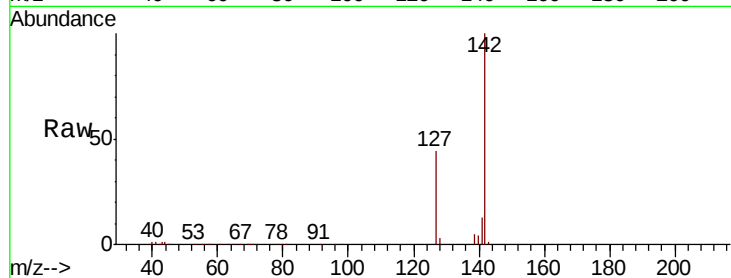
#11
Methyl Iodide
Concen: 40.037 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.8	19.7	59.0
141	13.3	6.3	18.9

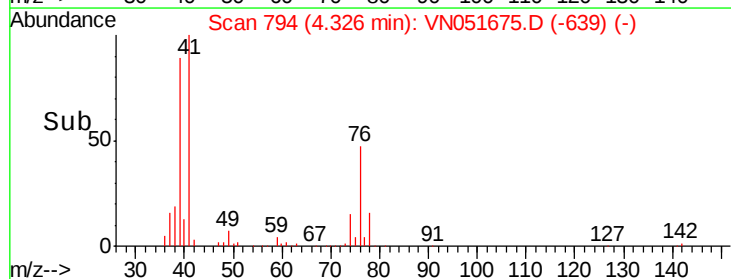
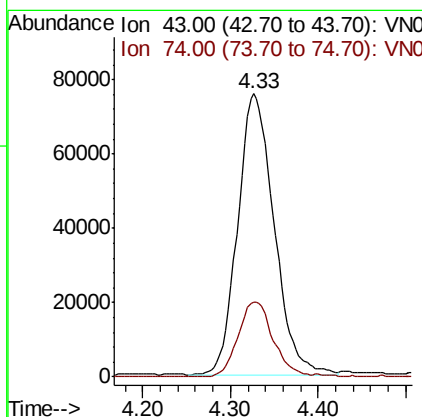
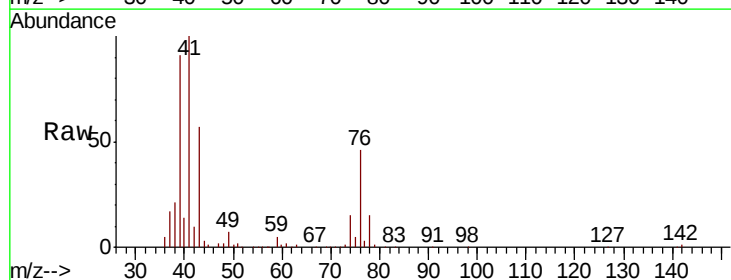
Manual Integrations
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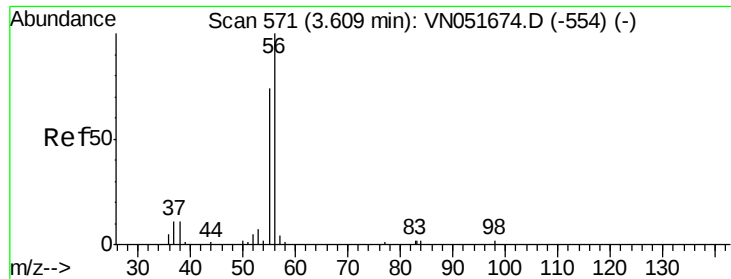
MMDadoda
10/8/2018 3:58:47 PM



#12
Methyl Acetate
Concen: 39.260 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.8	32.6





#13

Acrolein

Concen: 98.630 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 74704

Ion Ratio Lower Upper

56 100

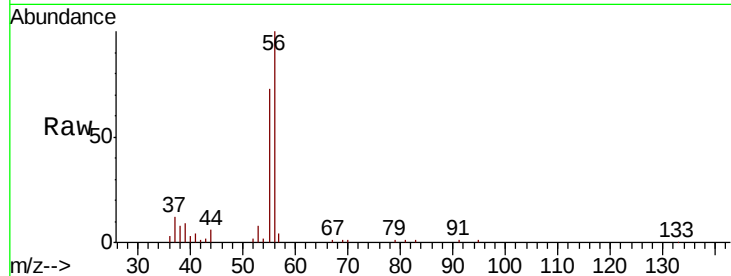
55 71.6 64.0 96.0

Manual Integrations

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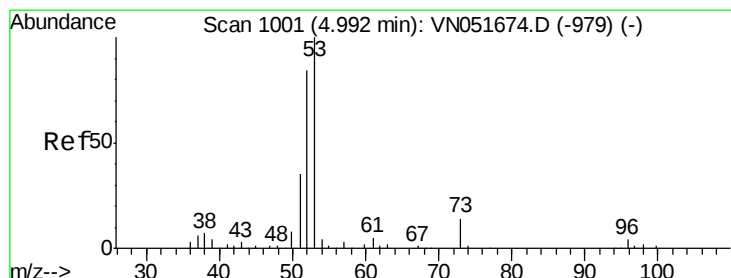
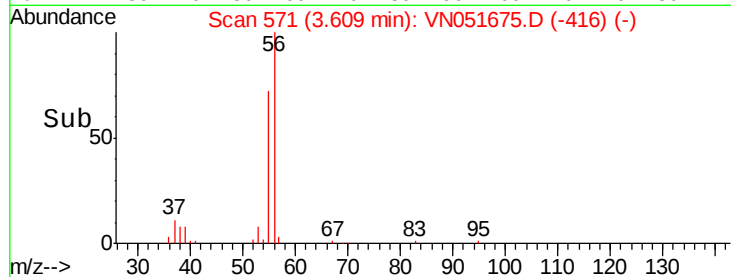
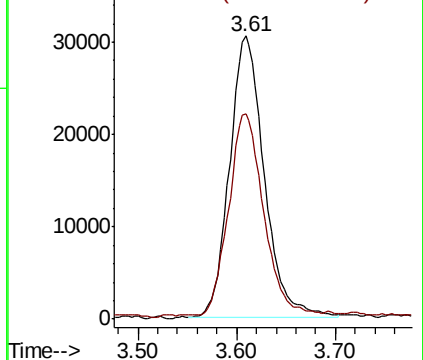
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 199.701 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

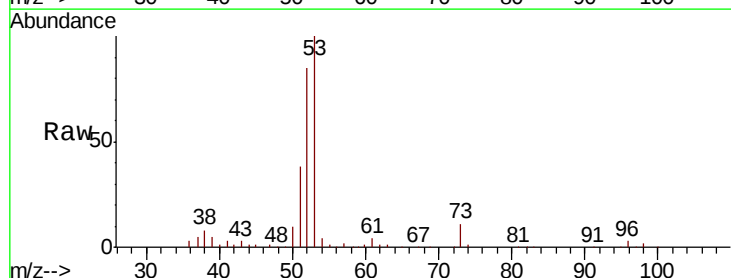
Tgt Ion: 53 Resp: 454097

Ion Ratio Lower Upper

53 100

52 83.3 18.3 54.8#

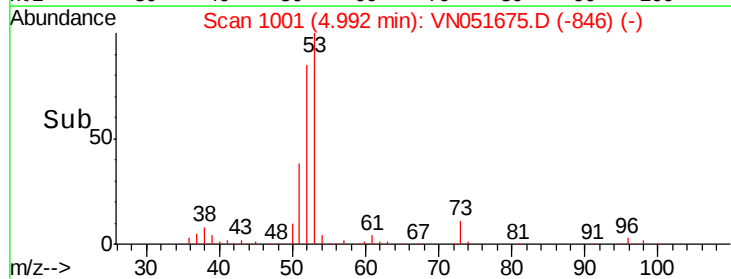
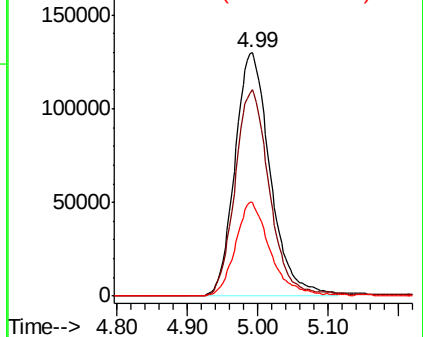
51 37.9 19.7 59.1

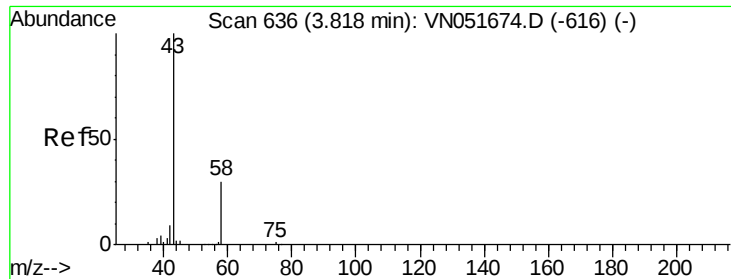


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 194.127 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Tot Ion: 58 Resp: 107645

Ion Ratio Lower Upper

58 100

43 299.2 232.2 348.2

Instrument :

MSVOA_N

ClientSampled :

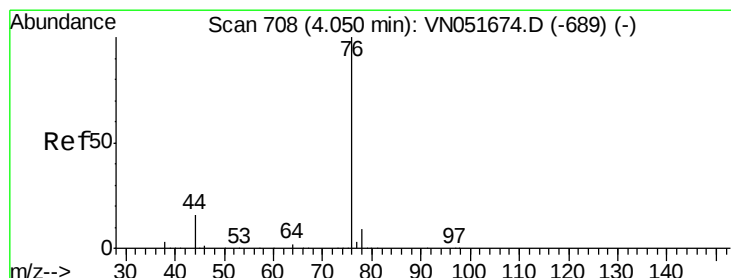
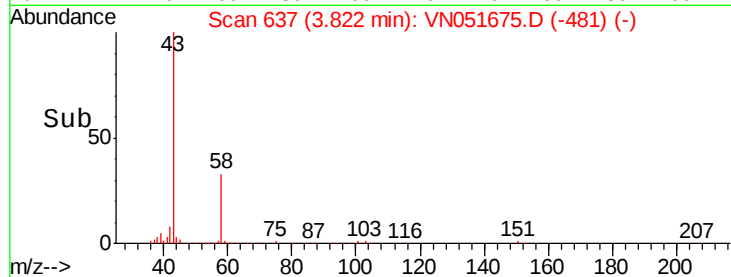
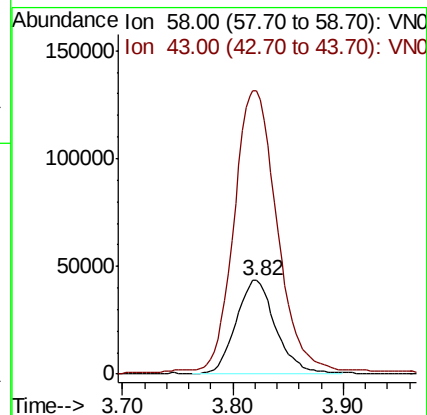
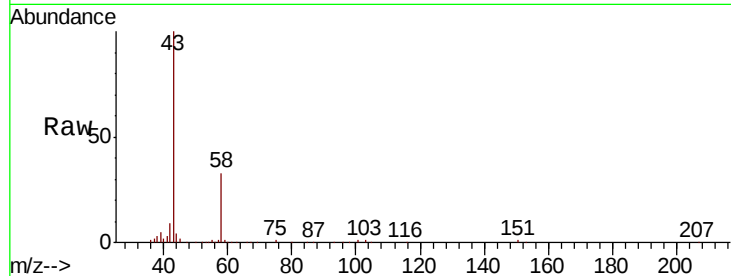
VSTDIC050

Manual Integrations

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#16

Carbon Disulfide

Concen: 39.346 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051675.D

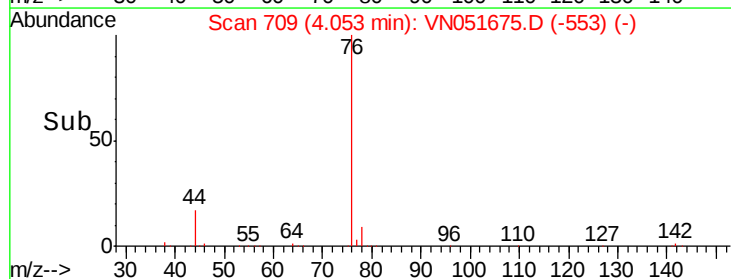
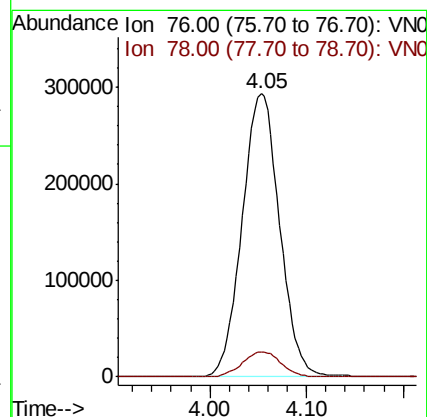
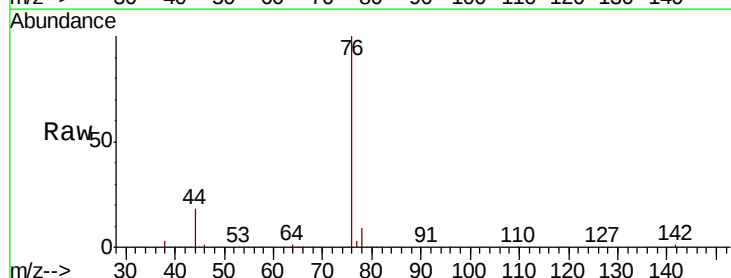
Acq: 5 Oct 2018 10:00

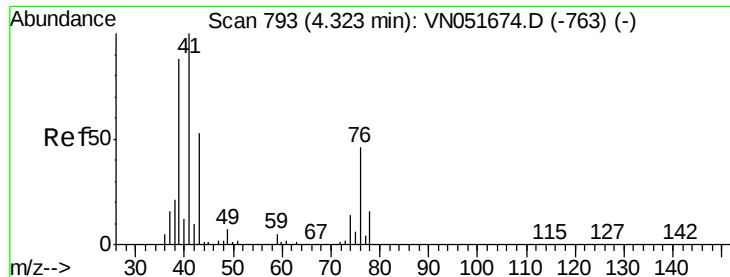
Tgt Ion: 76 Resp: 789274

Ion Ratio Lower Upper

76 100

78 8.7 6.7 10.1





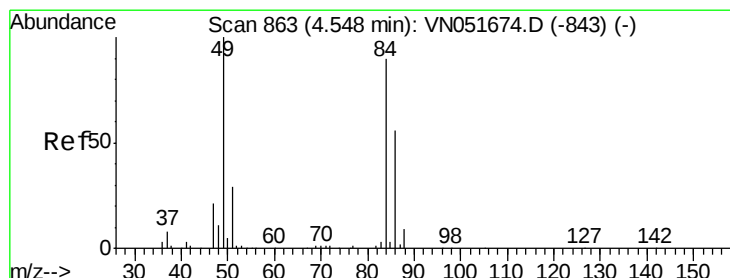
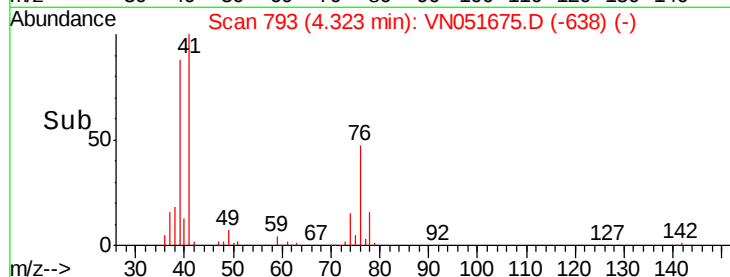
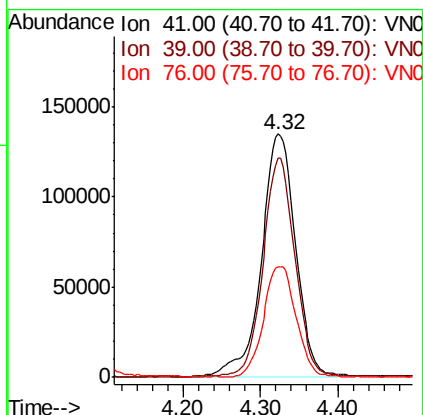
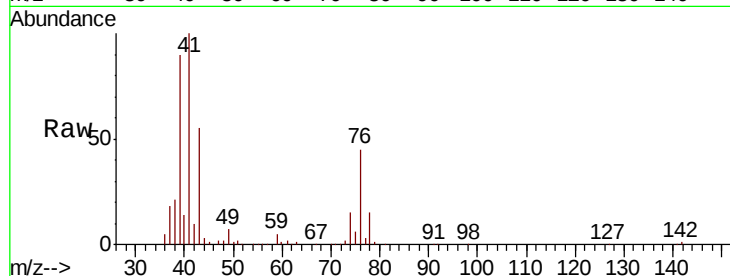
#17
Allvl chloride
Concen: 36.701 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	90.0	32.6	97.8
76	45.3	20.2	60.5

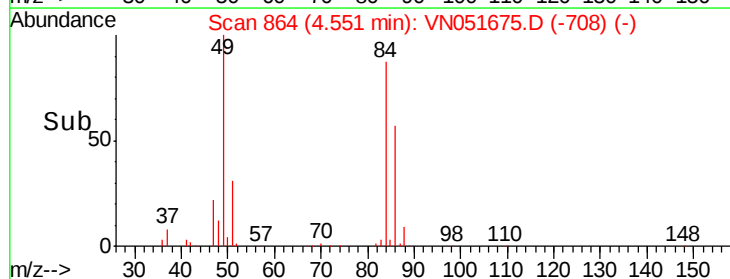
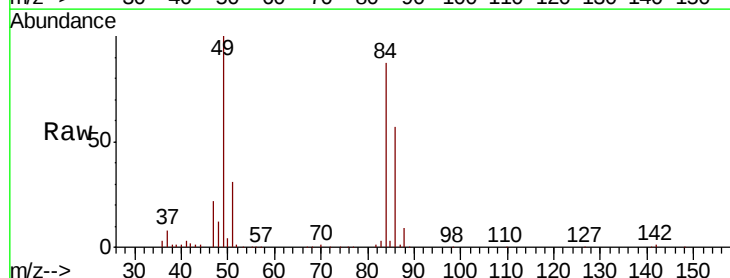
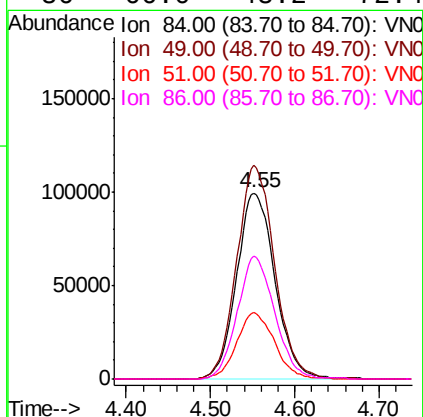
Manual Integrations
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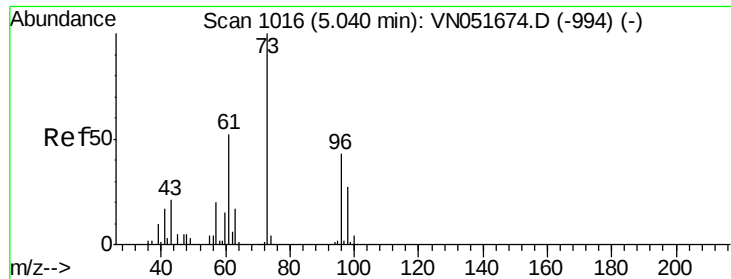
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#18
Methylene Chloride
Concen: 41.499 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.9	91.6	137.4
51	35.7	29.8	44.6
86	66.0	48.2	72.4





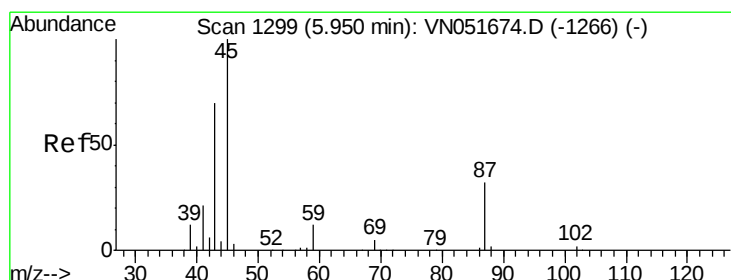
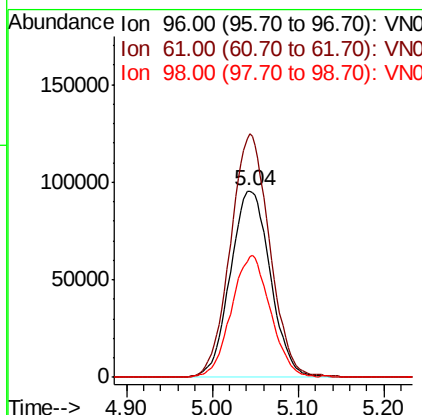
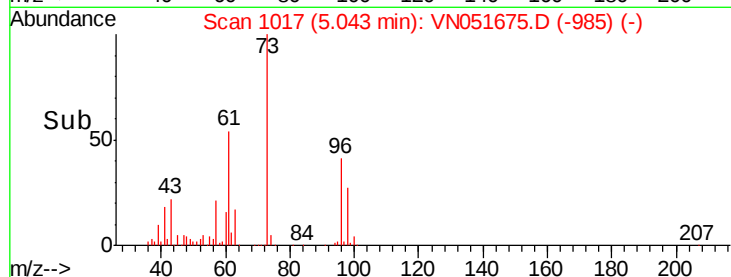
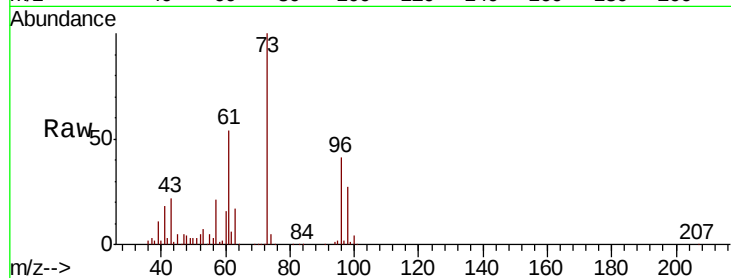
#19
trans-1,2-Dichloroethene
Concen: 44.636 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	112.3	168.5
98	64.7	47.1	70.7

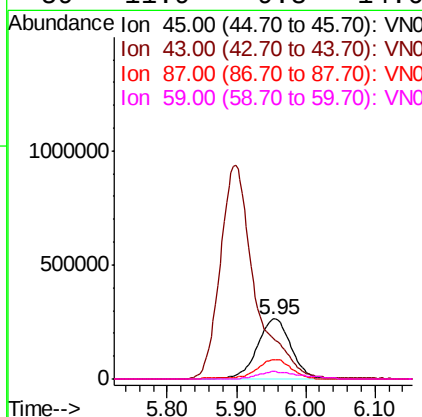
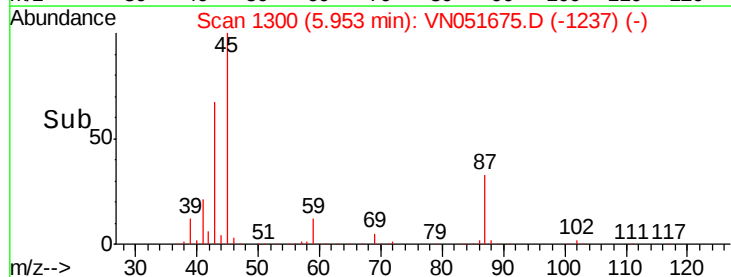
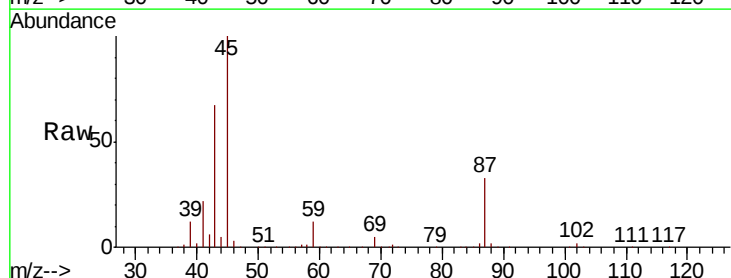
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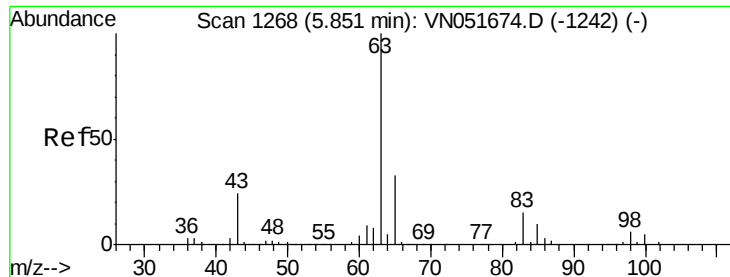
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#20
Diisopropyl ether
Concen: 39.095 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	62.1	93.1
87	32.5	19.9	29.9
59	11.9	9.8	14.6





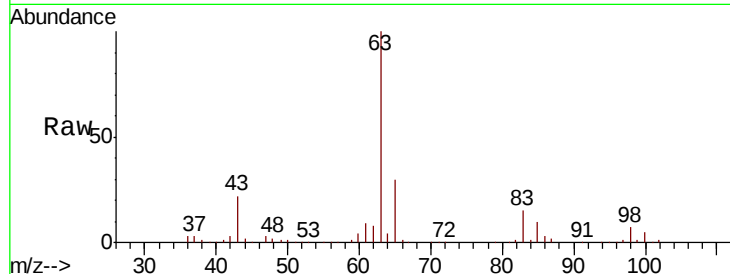
#21
 1,1-Dichloroethane
 Concen: 42.242 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

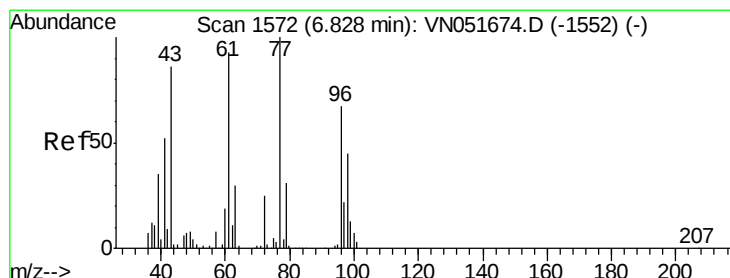
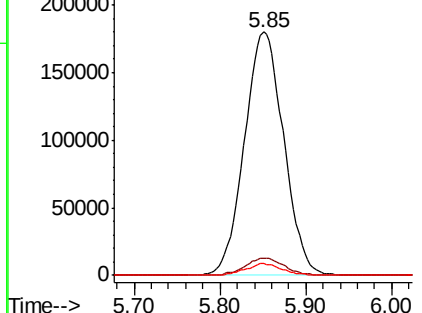
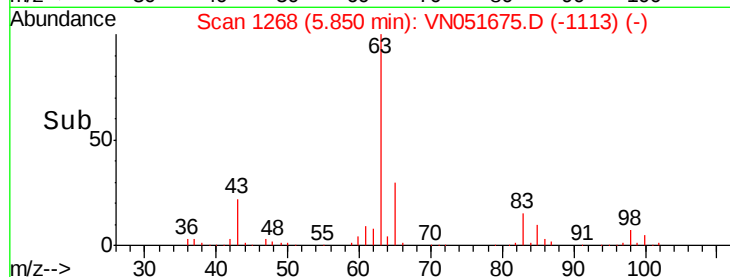
Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	7.0	4.1	12.3
100	4.7	1.6	4.7#

Manual Integrations
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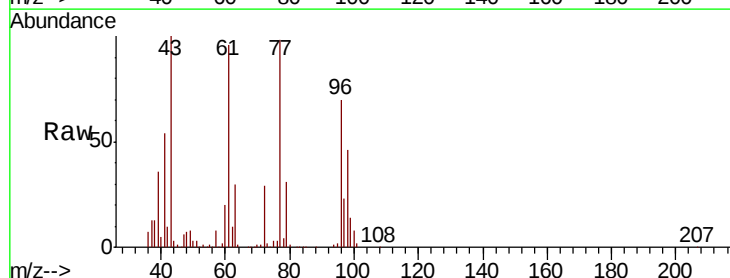


Abundance Ion 63.00 (62.70 to 63.70): VN051675.D (-1113) (-)
 Ion 98.00 (97.70 to 98.70): VN051675.D (-1113) (-)
 Ion 100.00 (99.70 to 100.70): VN051675.D (-1113) (-)

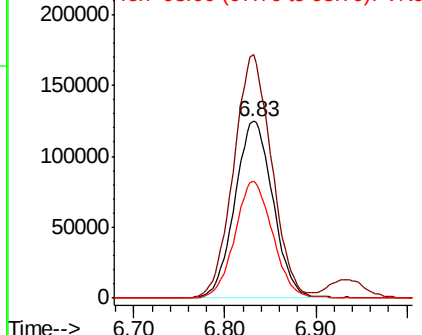
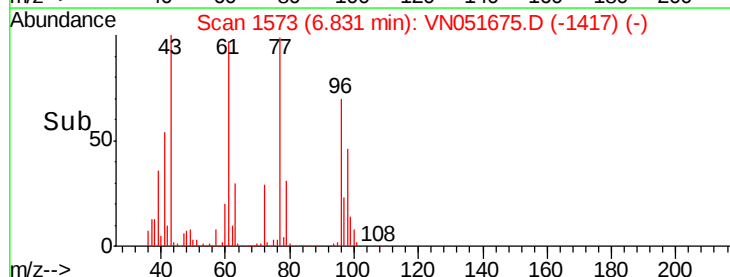


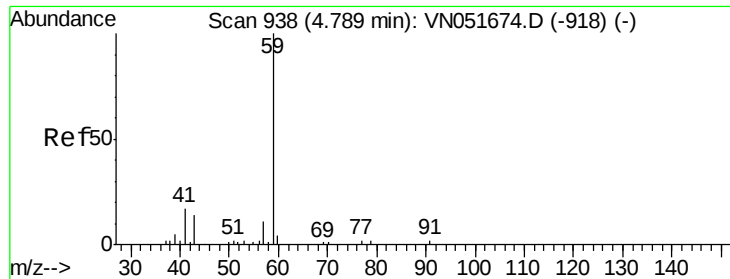
#22
 cis-1,2-Dichloroethene
 Concen: 46.832 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	137.2	124.5	186.7
98	64.9	51.9	77.9



Abundance Ion 96.00 (95.70 to 96.70): VN051675.D (-1417) (-)
 Ion 61.00 (60.70 to 61.70): VN051675.D (-1417) (-)
 Ion 98.00 (97.70 to 98.70): VN051675.D (-1417) (-)





#23

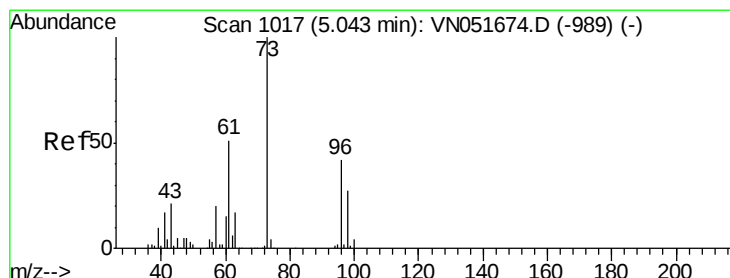
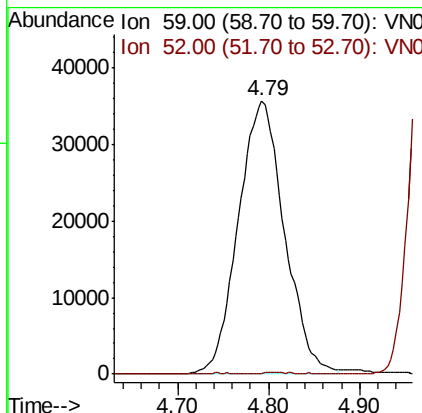
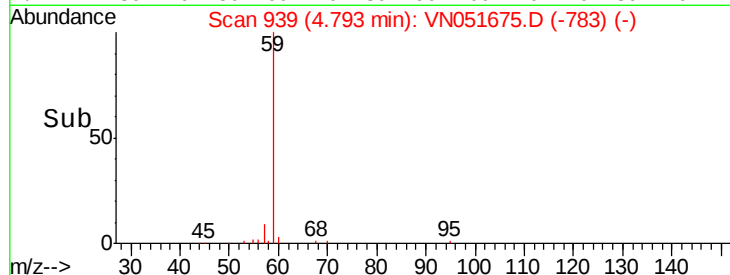
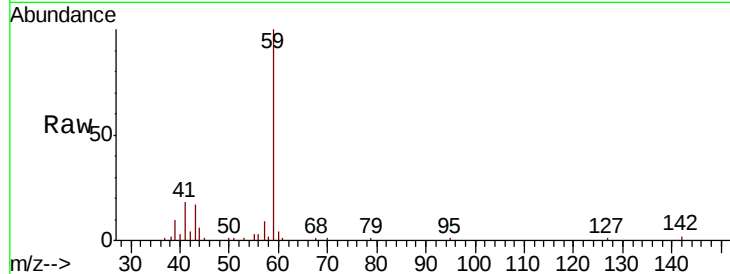
tert-Butyl Alcohol
 Concen: 295.175 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
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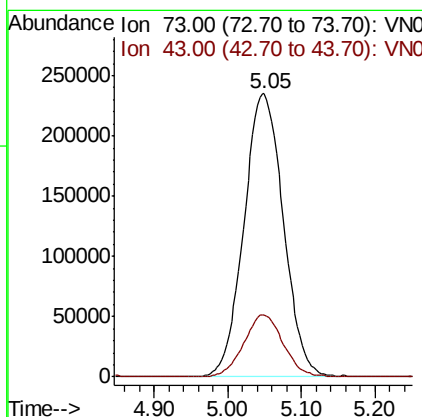
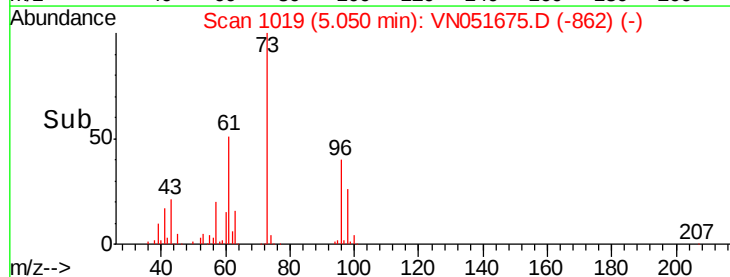
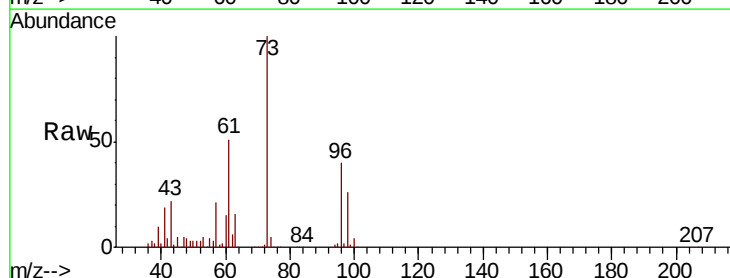
MMDadoda
 10/8/2018 3:58:47 PM

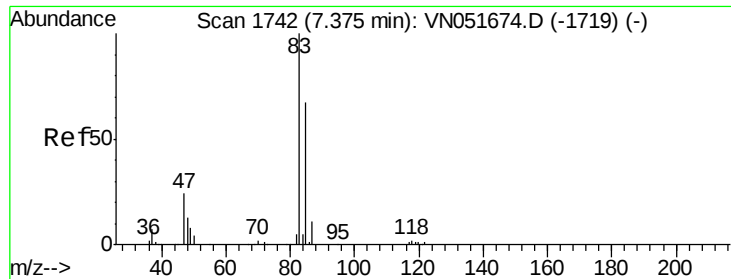


#24

Methyl tert-Butyl Ether
 Concen: 50.501 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.3	5.4	8.0#





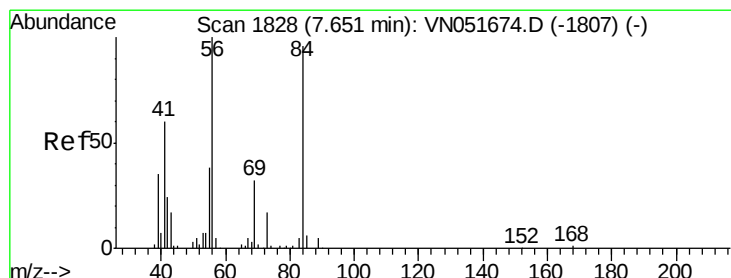
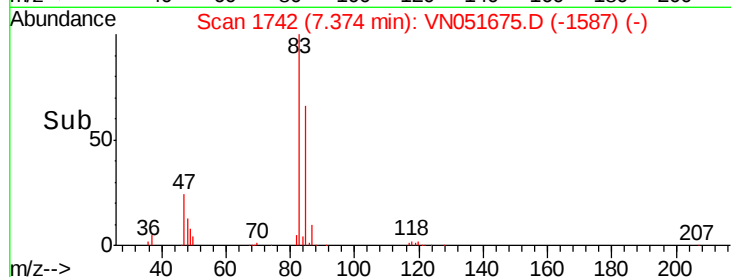
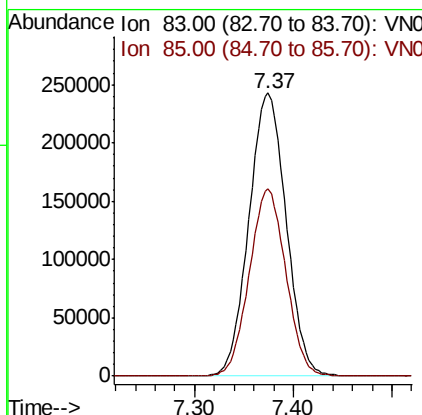
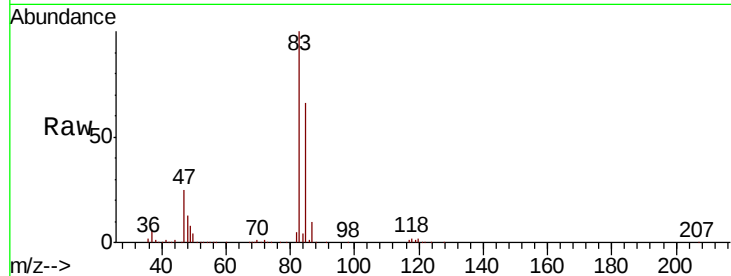
#25
Chloroform
Concen: 46.706 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	632625
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	54.6	82.0

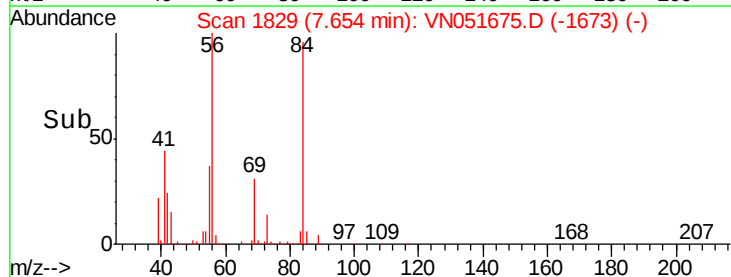
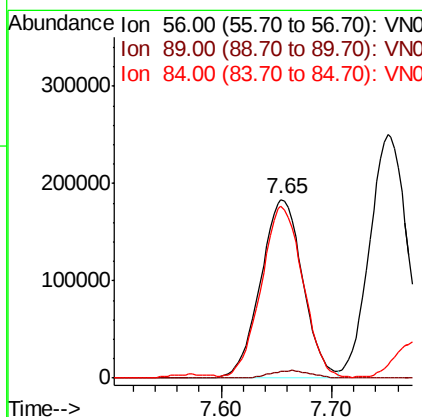
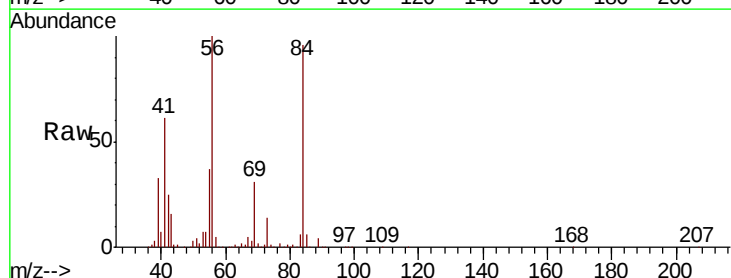
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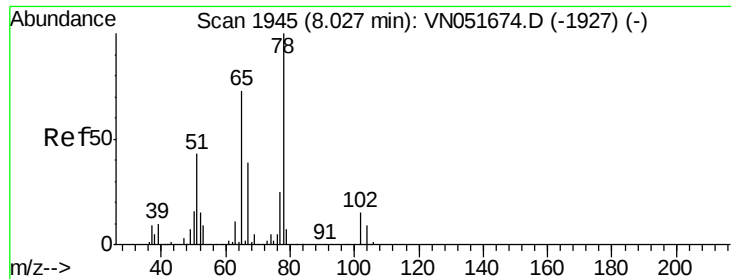
MMDadoda
10/8/2018 3:58:47 PM



#26
Cyclohexane
Concen: 42.205 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	56	Resp	485549
Ion Ratio	100	Lower	Upper
56	100		
89	4.2	1.5	2.3#
84	95.4	64.2	96.4





#27

1,2-Dichloroethane-d4

Concen: 42.205 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 243830

Ion Ratio Lower Upper

65 100

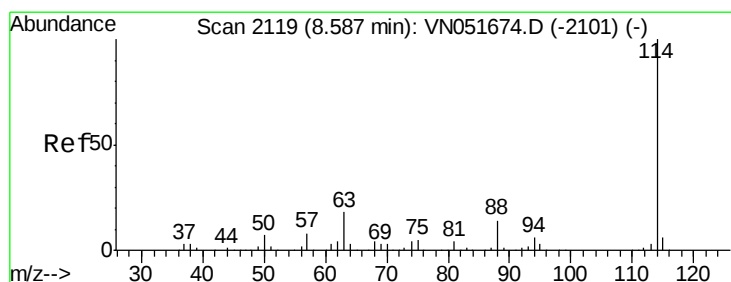
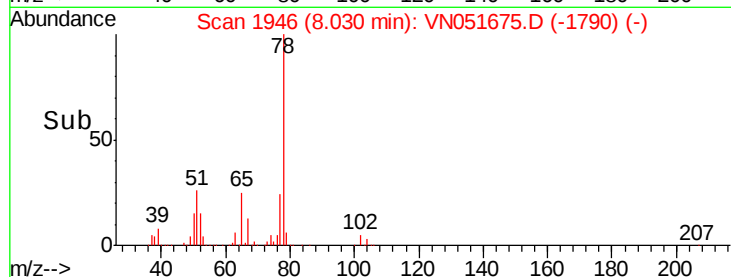
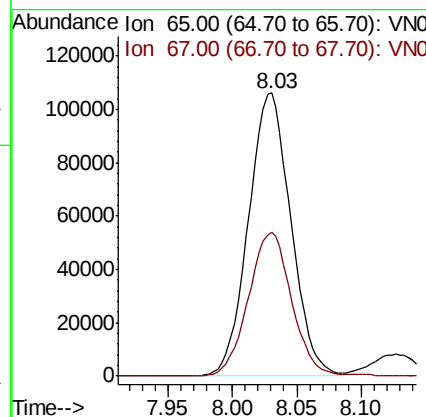
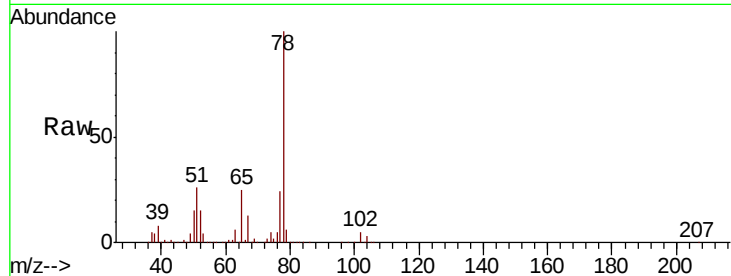
67 50.9 41.8 62.8

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

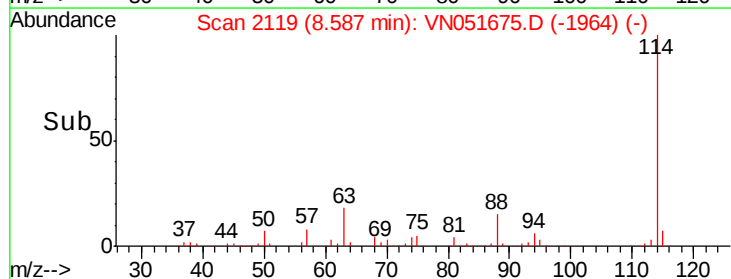
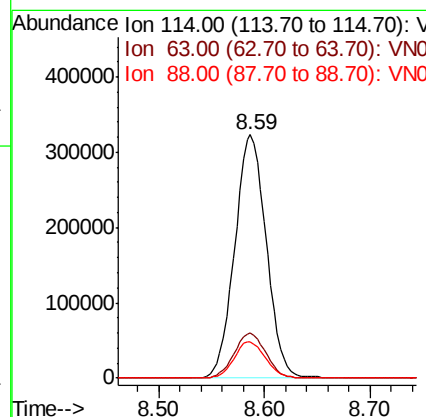
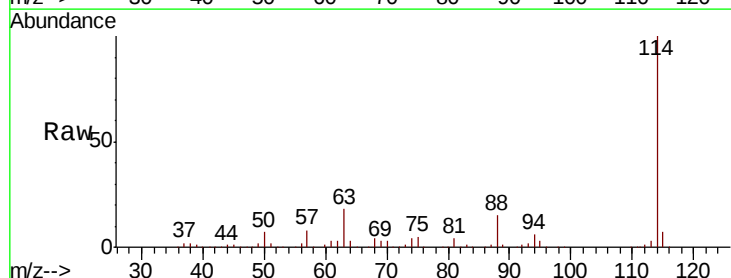
Tgt Ion: 114 Resp: 670805

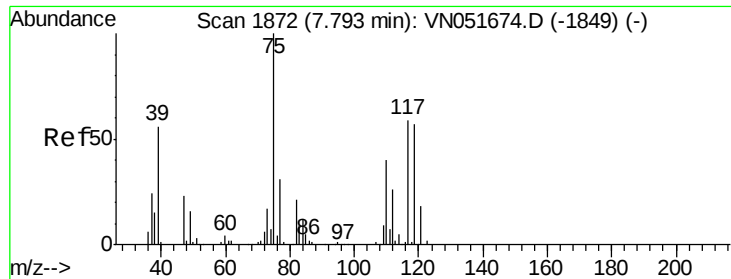
Ion Ratio Lower Upper

114 100

63 18.5 16.2 24.2

88 14.8 12.2 18.4





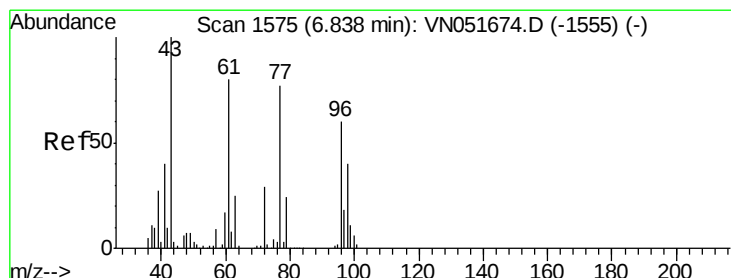
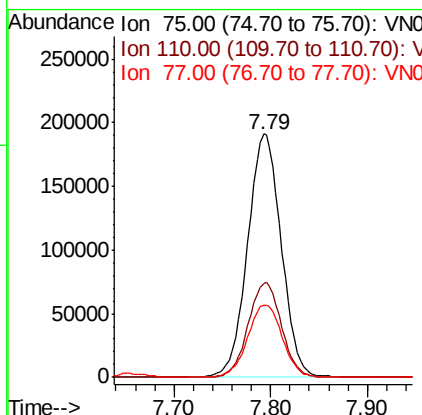
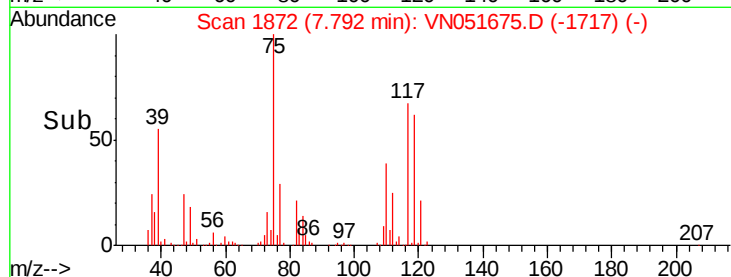
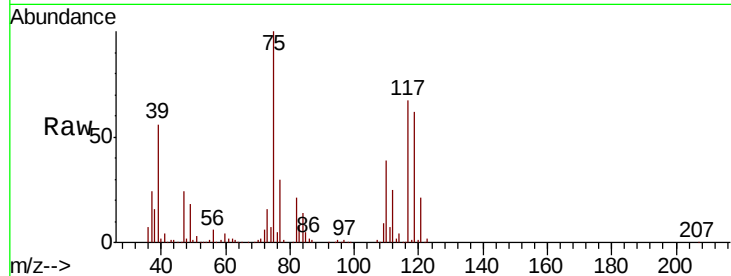
#29
 1,1-Dichloropropene
 Concen: 41.445 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	461473		
110	38.5	0.0	70.8	
77	30.6	0.0	61.6	

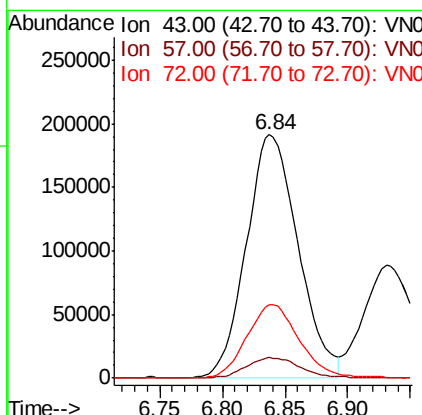
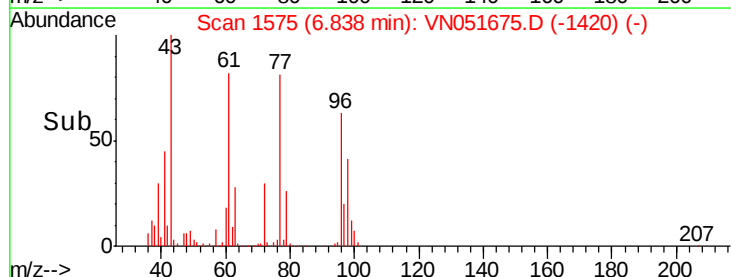
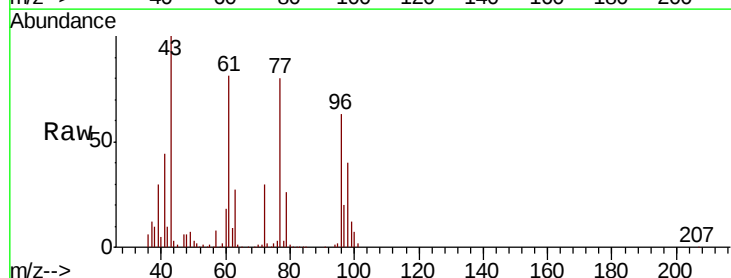
Manual Integrations
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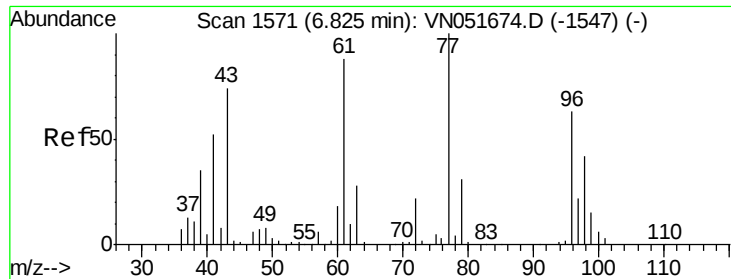
MMDadoda
 10/8/2018 3:58:47 PM



#30
 2-Butanone
 Concen: 192.927 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	546156		
57	8.5	4.5	6.7#	
72	30.8	21.5	32.3	





#31

2,2-Dichloropropane

Concen: 47.514 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 563982

Ion Ratio Lower Upper

77 100

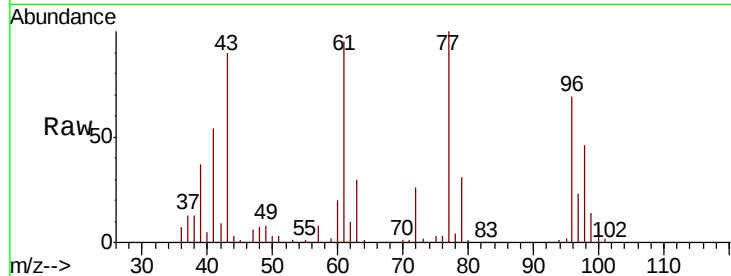
97 23.0 12.0 18.0#

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Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

200000

150000

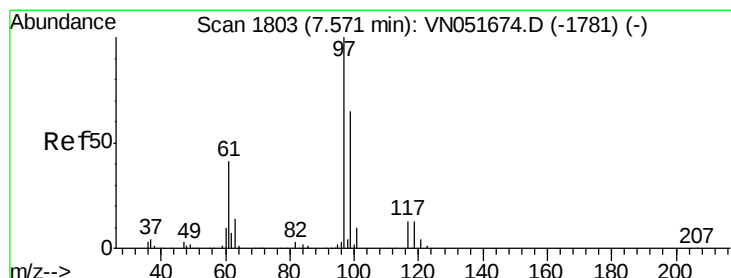
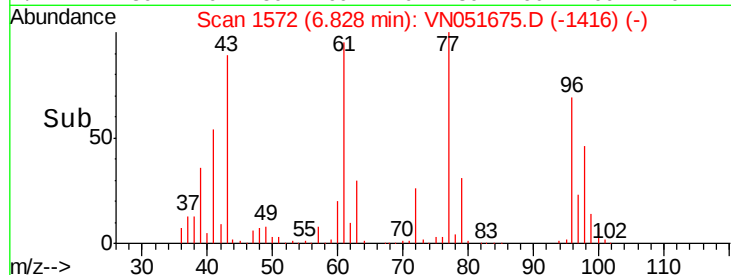
100000

50000

0

6.70 6.80 6.90

Time-->



#32

1,1,1-Trichloroethane

Concen: 46.904 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

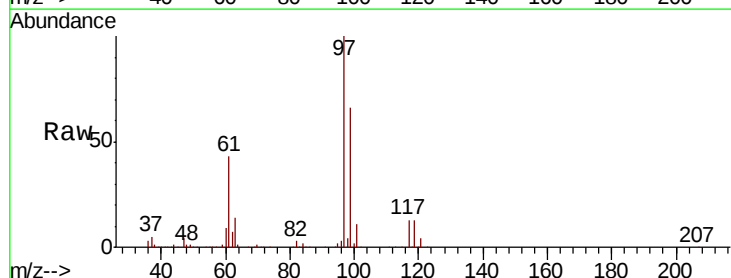
Tgt Ion: 97 Resp: 596414

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 41.9 37.4 56.0



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

300000

250000

200000

150000

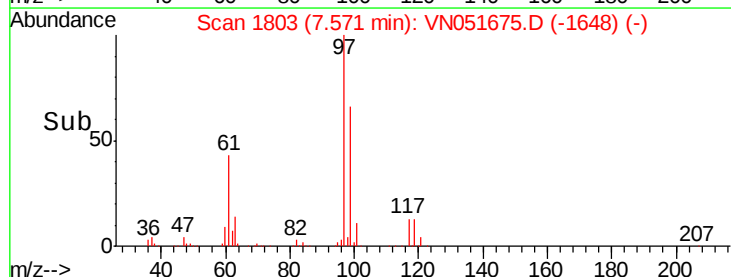
100000

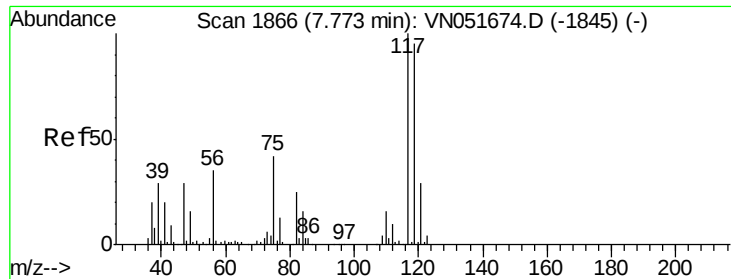
50000

0

7.50 7.60 7.70

Time-->





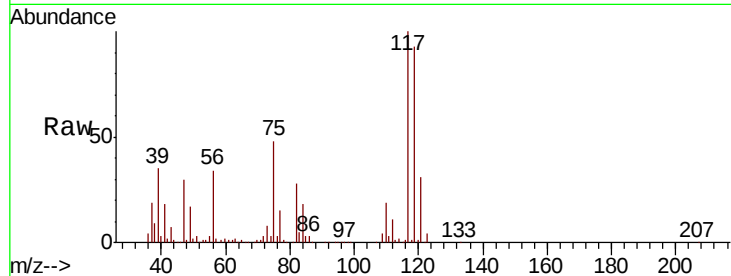
#33
Carbon Tetrachloride
Concen: 47.790 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.1	85.1	127.7
121	30.6	24.2	36.2

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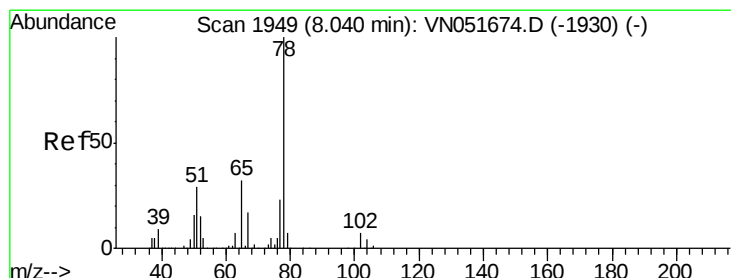
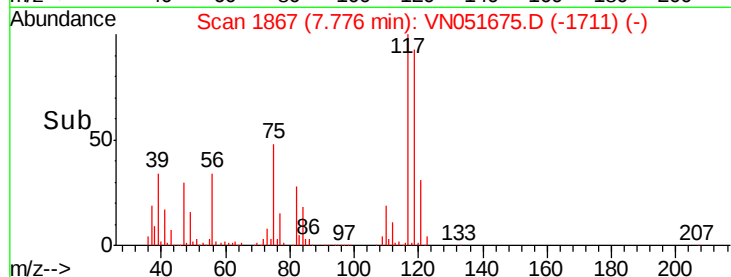
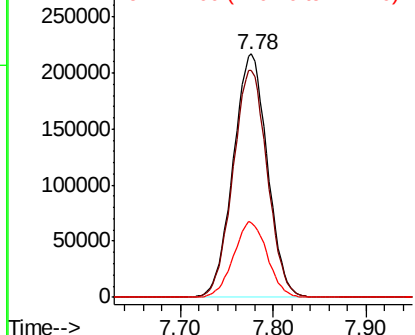


Abundance

Ion 117.00 (116.70 to 117.70): V

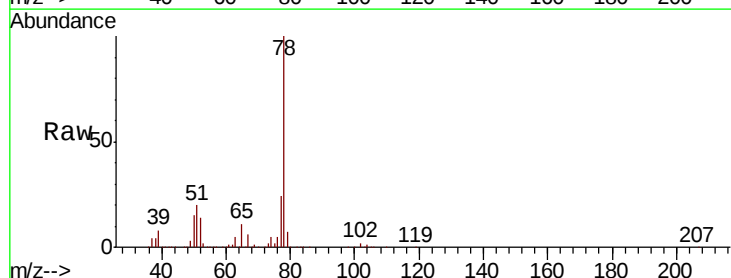
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 41.569 ug/l m
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2
51	19.6	46.2	69.4#

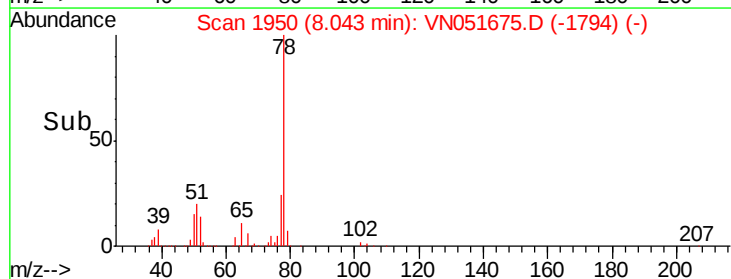
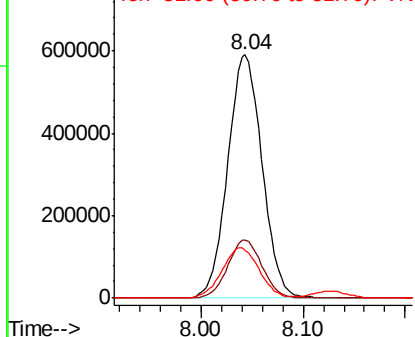


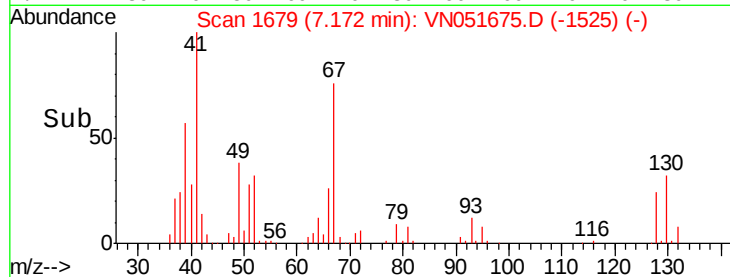
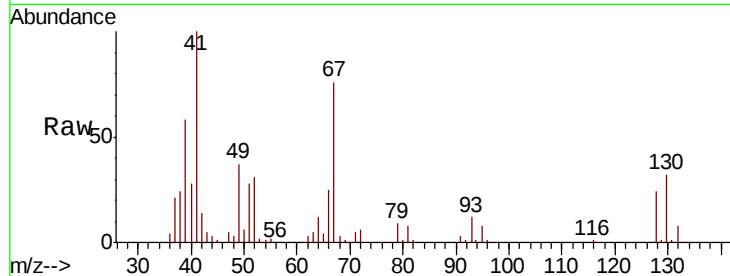
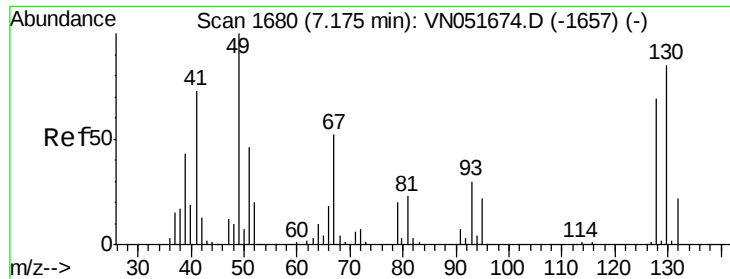
Abundance

Ion 78.10 (77.80 to 78.80): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





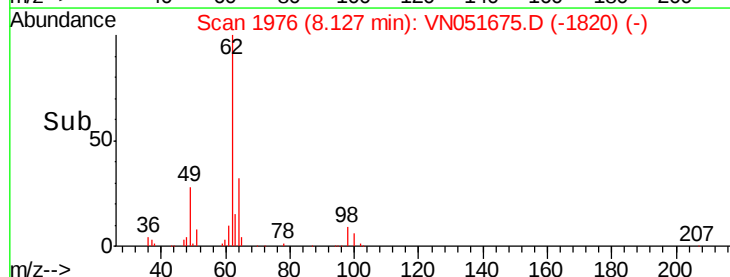
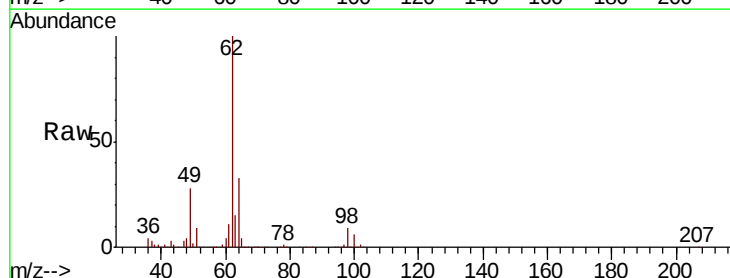
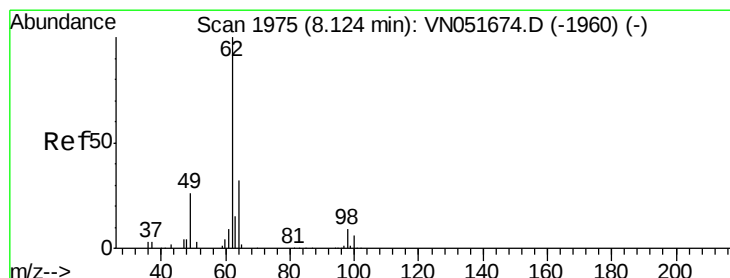
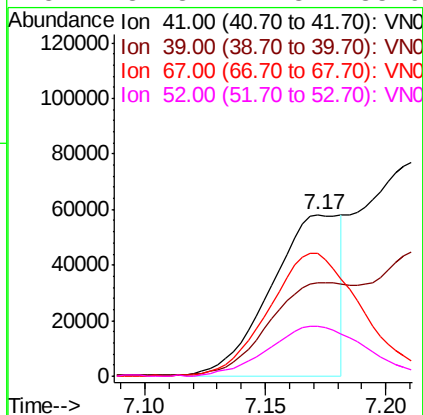
#35
Methacrylonitrile
Concen: 32.935 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tot Ion	41	Resp	117746
Ion	Ratio	Lower	Upper
41	100		
39	57.9	22.6	67.7
67	75.6	28.9	86.8
52	31.3	11.3	33.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

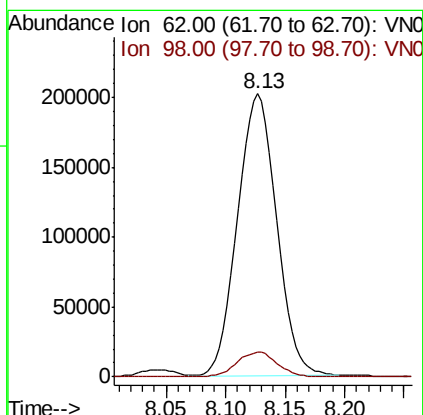
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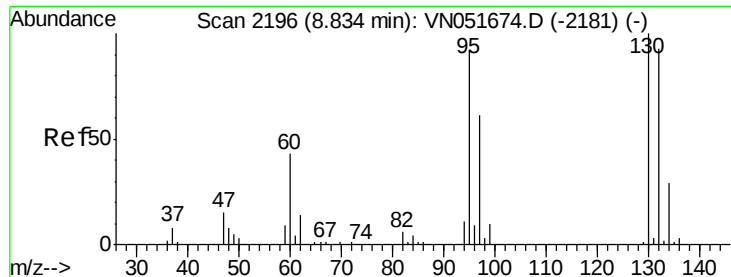
MMDadoda
10/8/2018 3:58:47 PM



#36
1,2-Dichloroethane
Concen: 43.037 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	62	Resp	459758
Ion	Ratio	Lower	Upper
62	100		
98	9.1	6.9	10.3





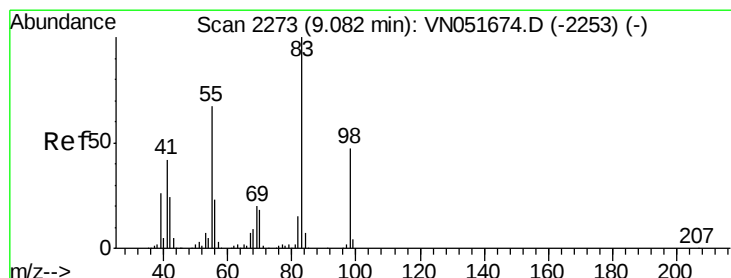
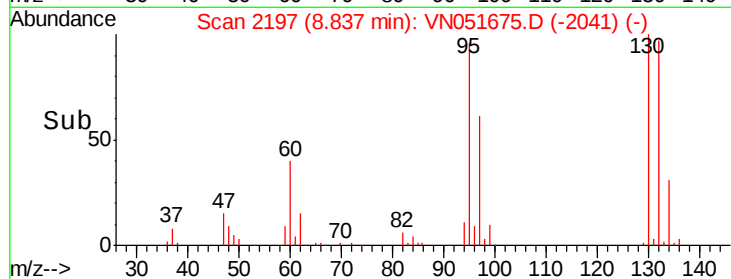
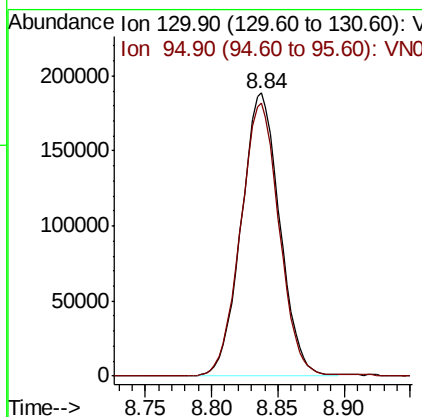
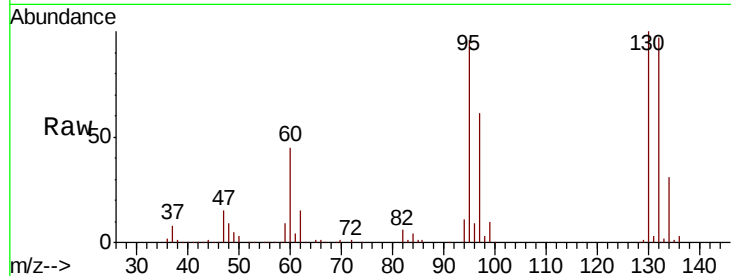
#37
 Trichloroethene
 Concen: 43.382 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100	379466		
95	96.5	76.4	114.6	

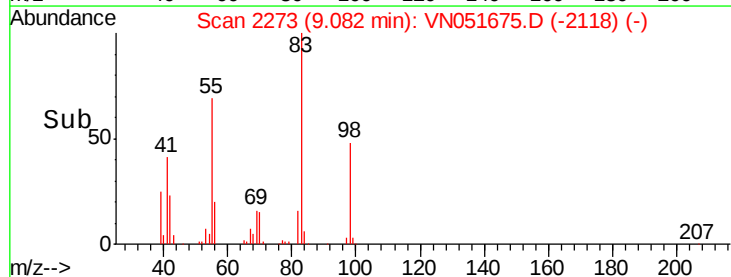
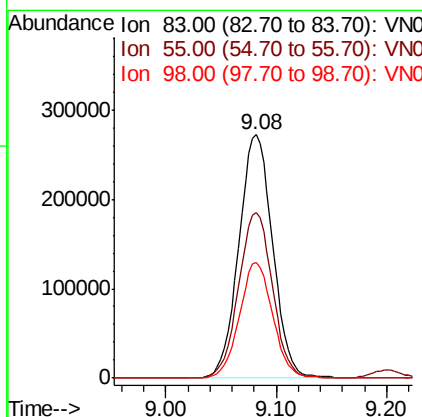
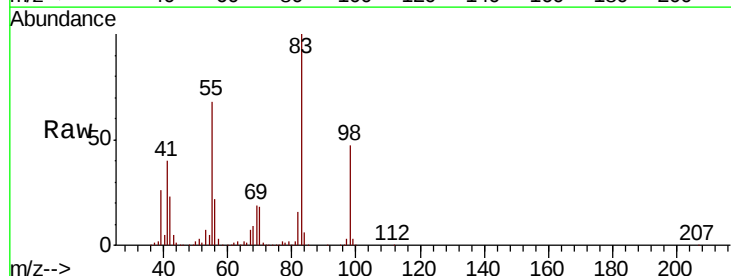
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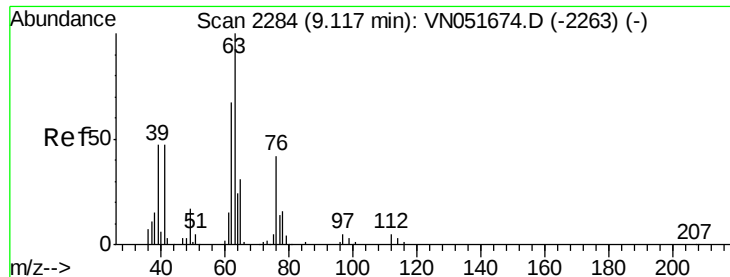
MMDadoda
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#38
 Methylcyclohexane
 Concen: 45.402 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	578895		
55	67.7	43.0	129.2	
98	46.6	21.3	63.7	





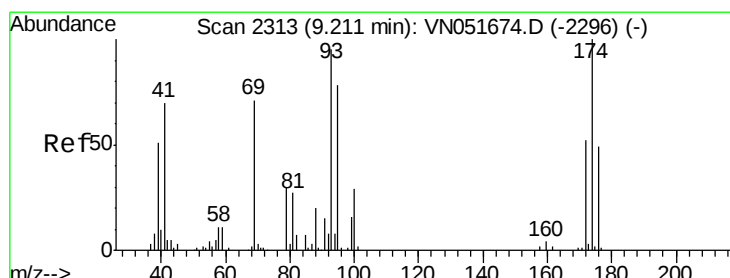
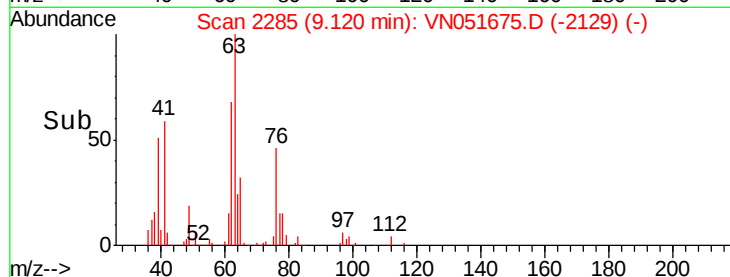
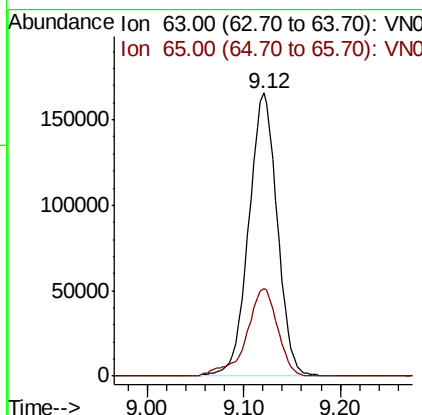
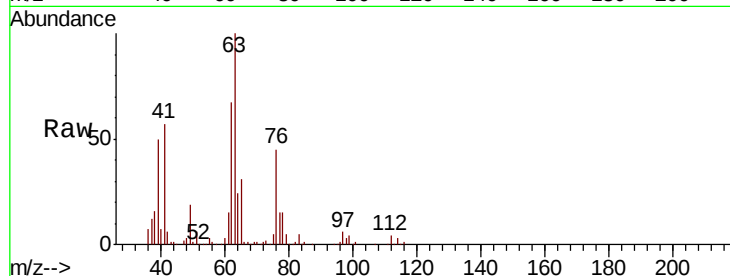
#39
 1,2-Dichloropropane
 Concen: 37.636 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 339362
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.2 34.8

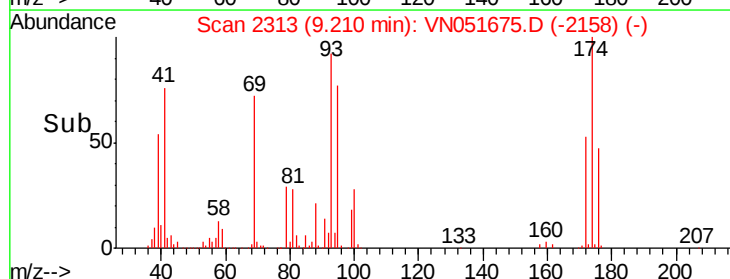
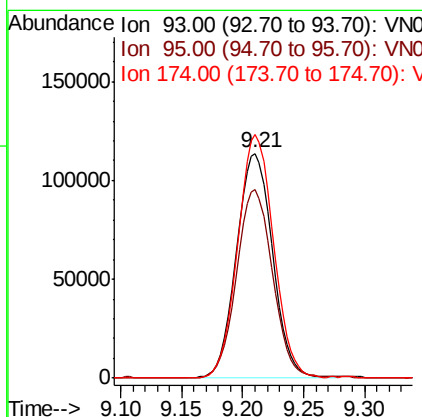
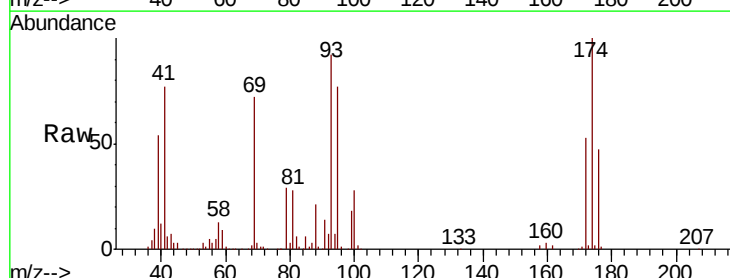
Manual Integrations
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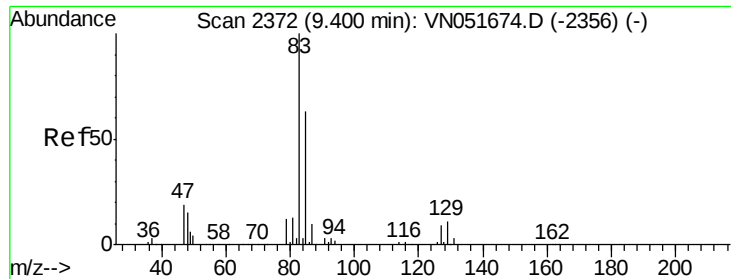
MMDadoda
 10/8/2018 3:58:47 PM



#40
 Dibromomethane
 Concen: 45.471 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion: 93 Resp: 233325
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 162.0
 174 106.8 0.0 214.0





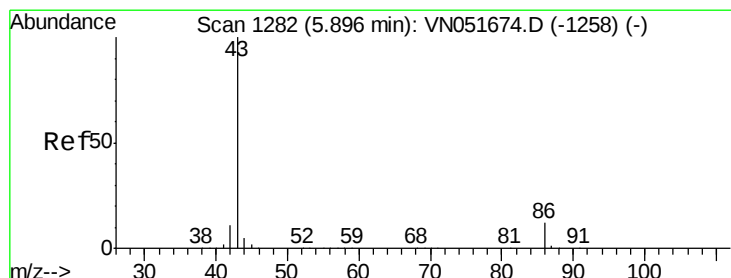
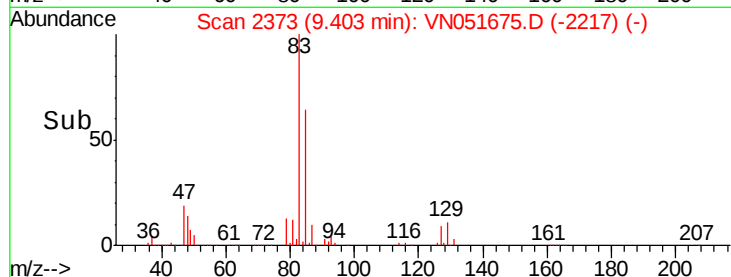
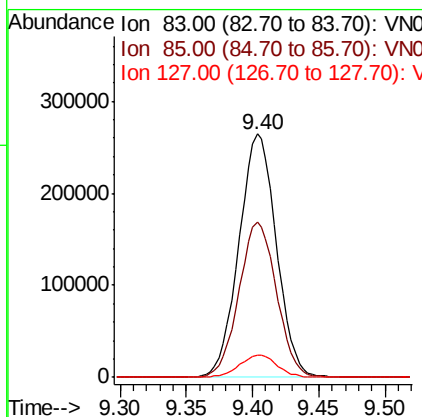
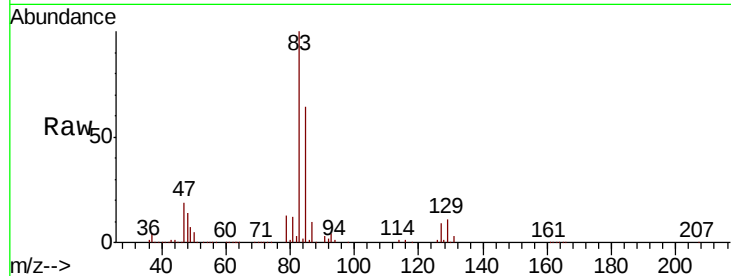
#41
Bromodichloromethane
Concen: 46.050 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	55.7	83.5
127	9.0	8.2	12.4

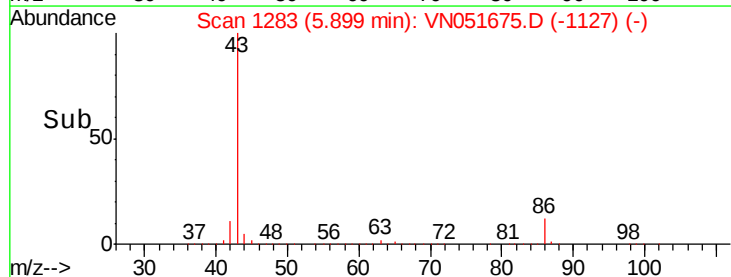
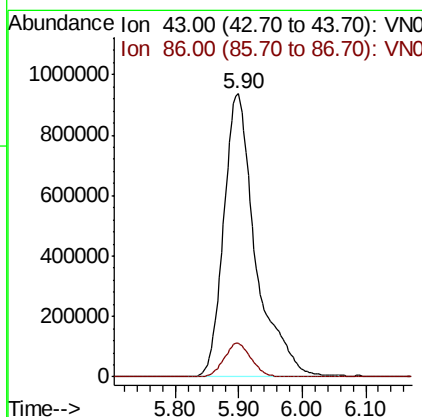
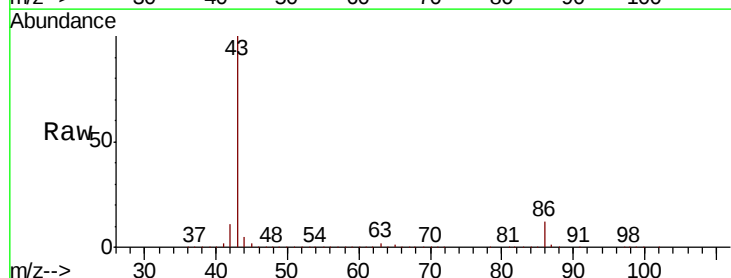
Manual Integrations
APPROVED

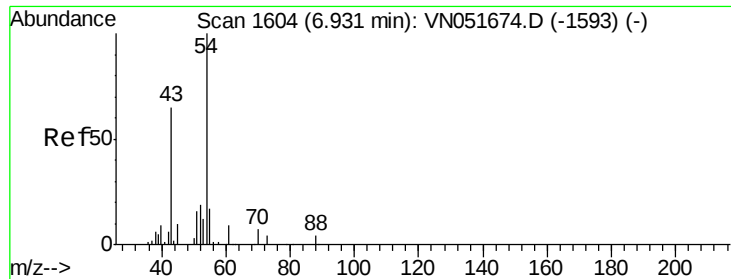
MMDadoda
10/8/2018 3:58:47 PM



#42
Vinyl Acetate
Concen: 205.200 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.5	9.7#





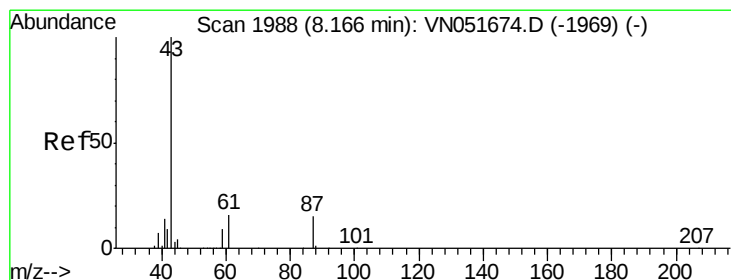
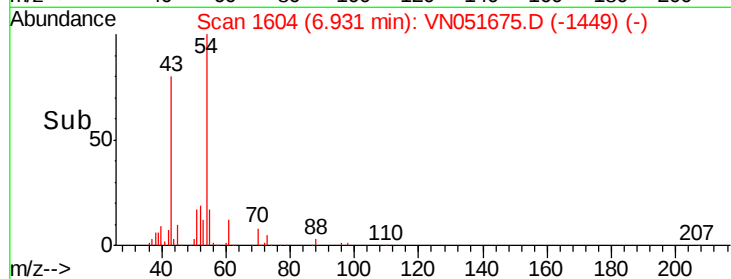
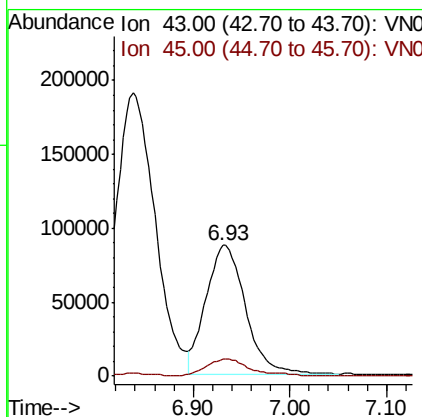
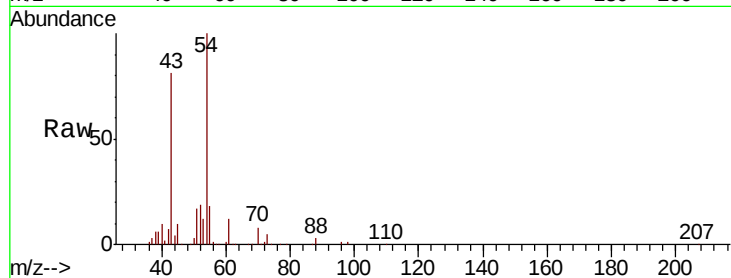
#43
Ethyl Acetate
Concen: 42.060 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	45	Ratio	Lower	Upper
250661	100	13.0		11.0	16.6

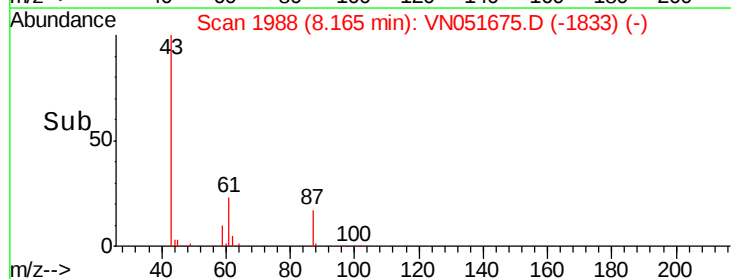
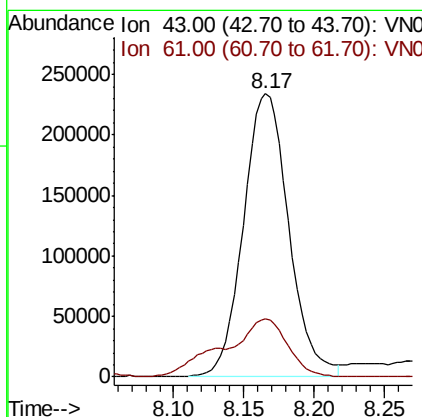
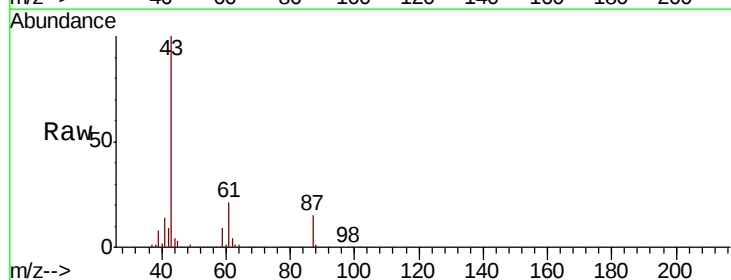
Manual Integrations
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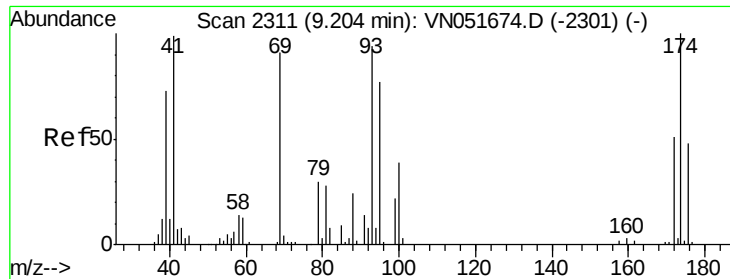
MMDadoda
10/8/2018 3:58:47 PM



#44
Isopropyl Acetate
Concen: 45.789 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	43	61	Ratio	Lower	Upper
522749	100	19.1		15.9	23.9





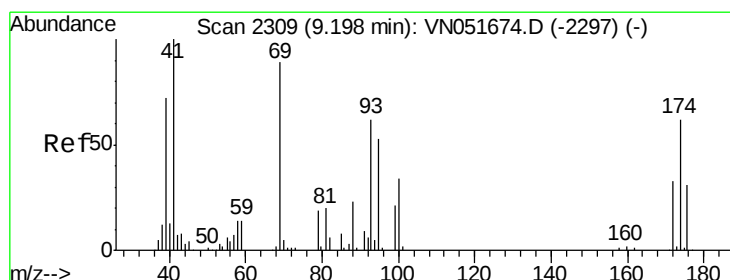
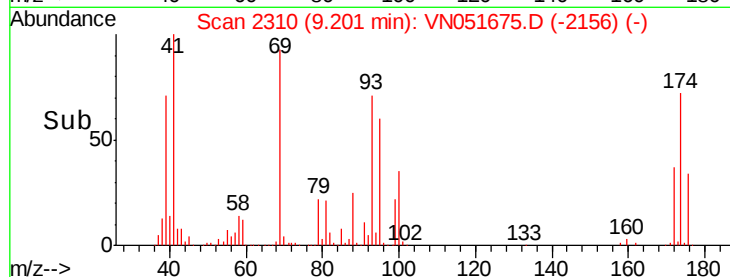
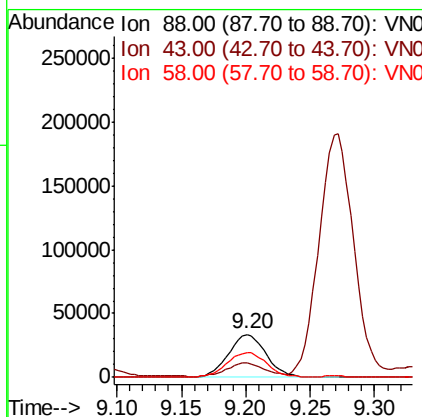
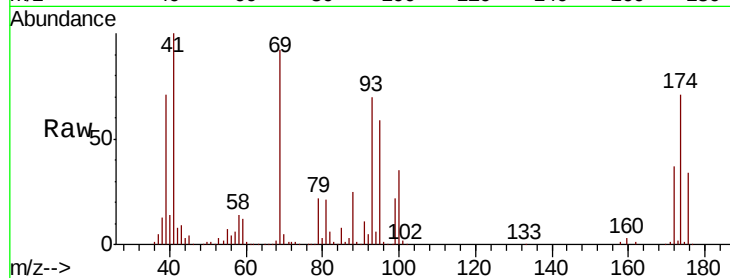
#45
 1,4-Dioxane
 Concen: 978.348 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.2	39.2
58	60.4	65.6	98.4#

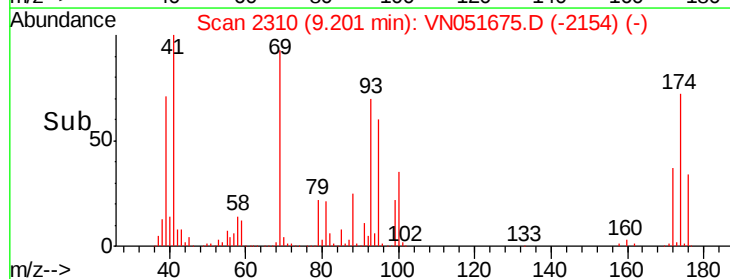
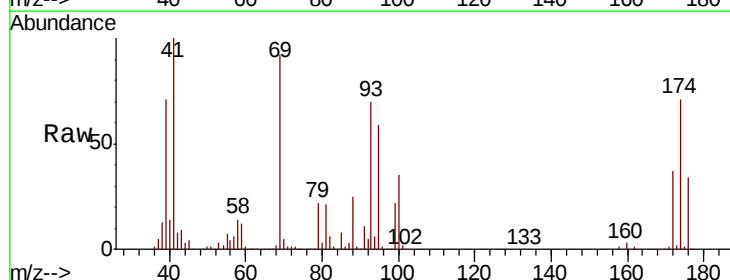
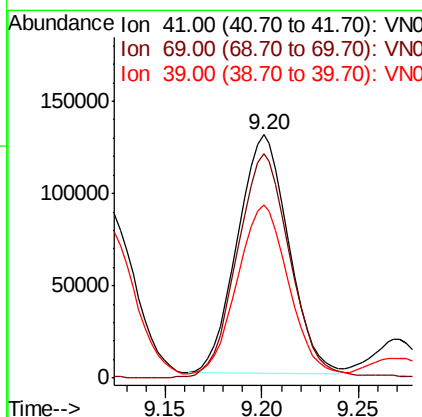
Manual Integrations
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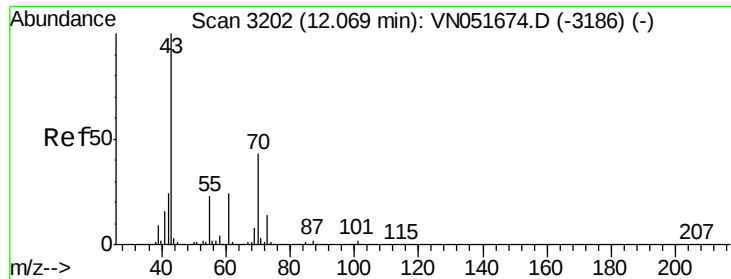
MMDadoda
 10/8/2018 3:58:47 PM



#46
 Methyl methacrylate
 Concen: 42.052 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.7	40.7	122.1
39	70.9	27.3	81.9





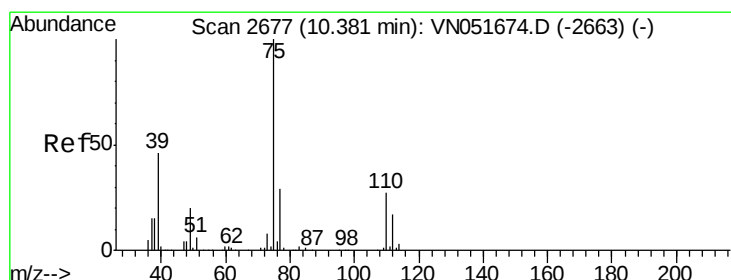
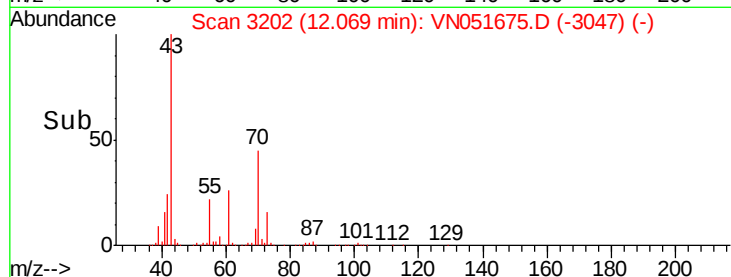
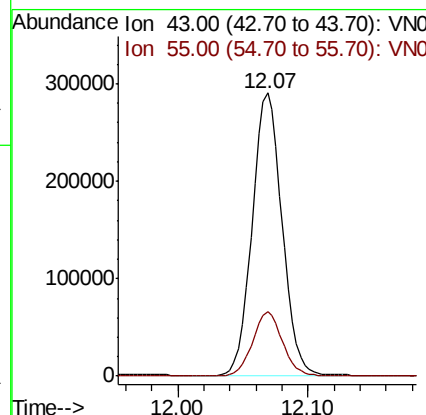
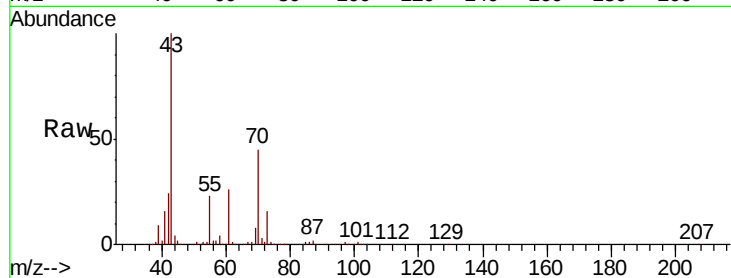
#47
n-amvl Acetate
Concen: 51.469 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 466854
Ion Ratio Lower Upper
43 100
55 0.0 12.2 18.4#

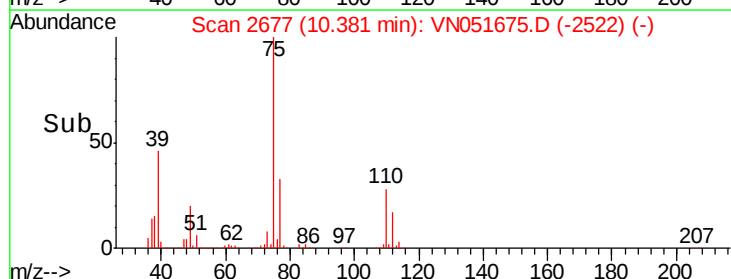
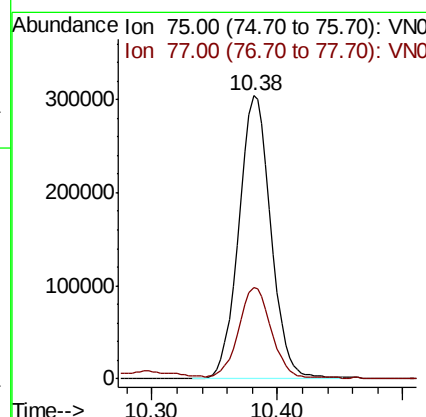
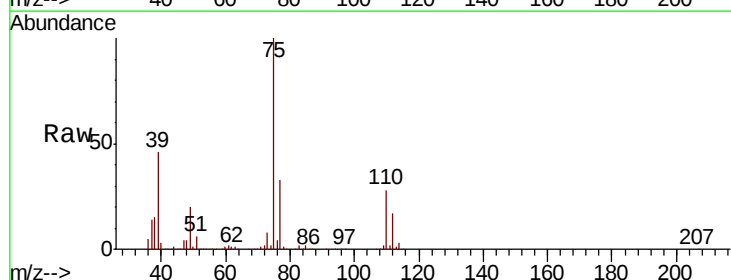
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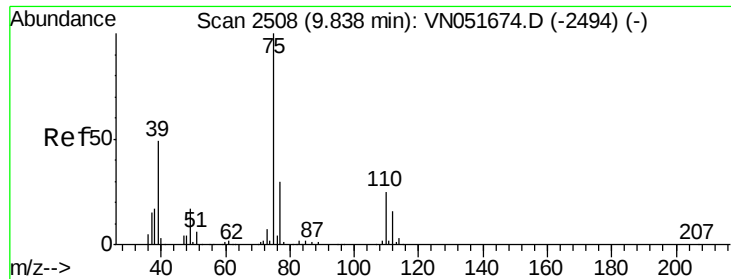
MMDadoda
10/8/2018 3:58:47 PM



#48
t-1,3-Dichloropropene
Concen: 48.799 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion: 75 Resp: 540525
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0





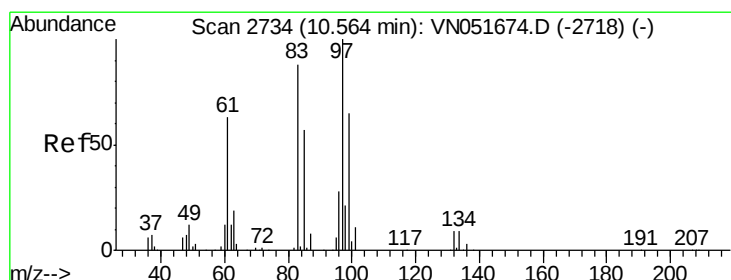
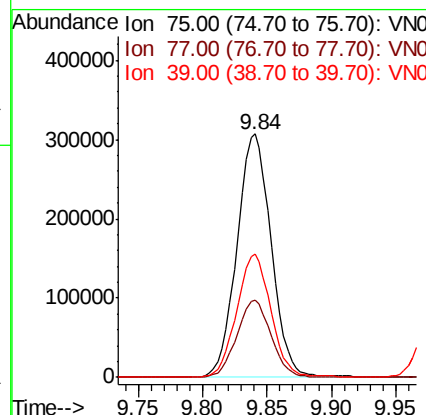
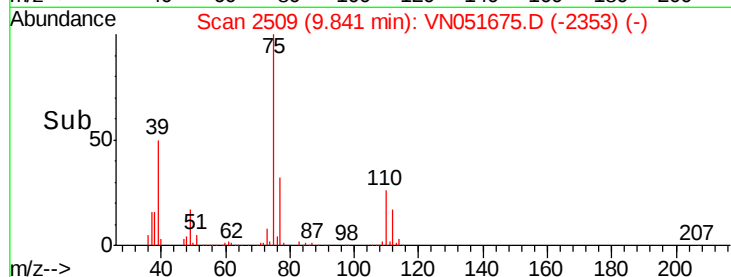
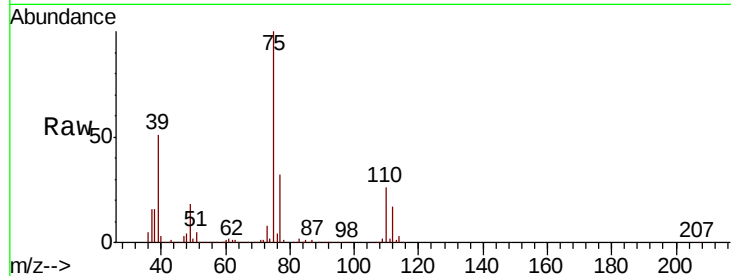
#49
 cis-1,3-Dichloropropene
 Concen: 43.771 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	23.2	34.8
39	50.4	34.6	52.0

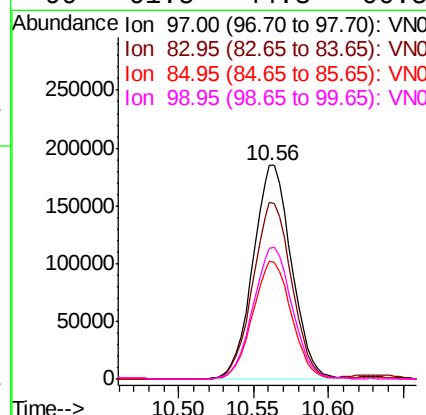
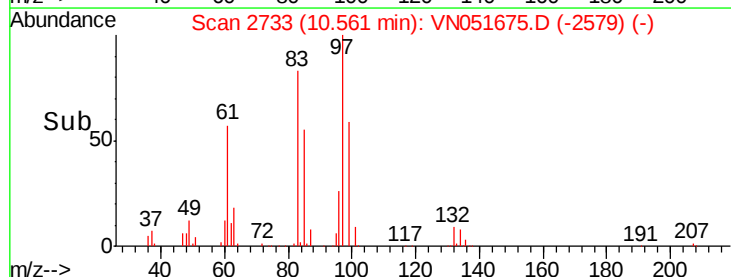
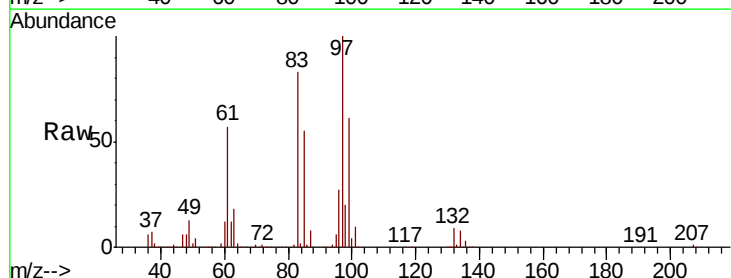
Manual Integrations
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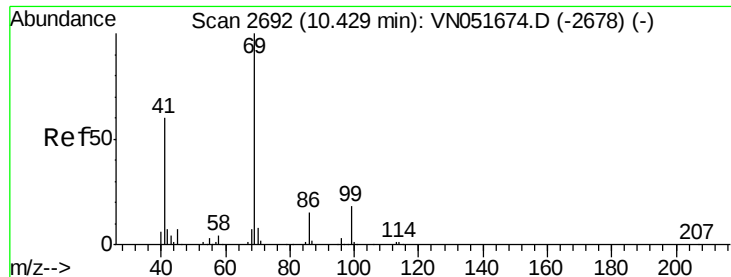
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 45.302 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.6	68.2	102.4
85	55.1	42.5	63.7
99	61.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 48.865 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

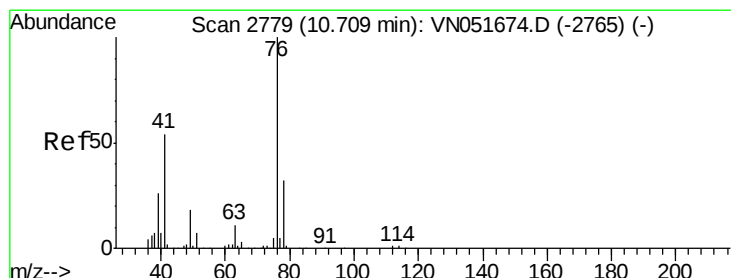
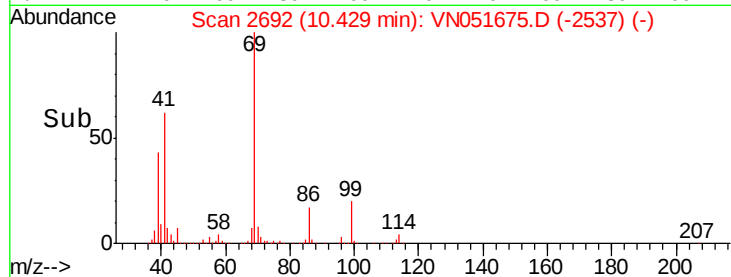
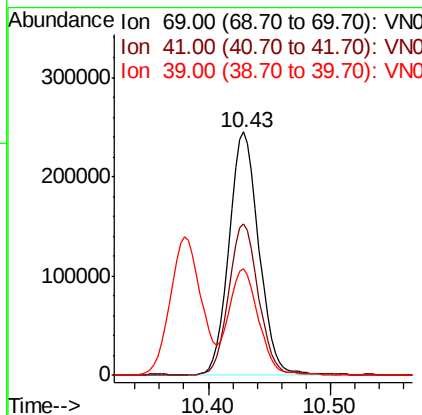
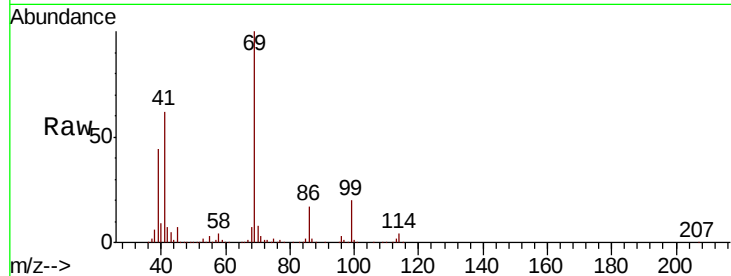
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	418574
Ion	Ratio	Lower	Upper
69	100		
41	62.0	34.4	103.1
39	43.7	16.3	48.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 42.761 ug/l

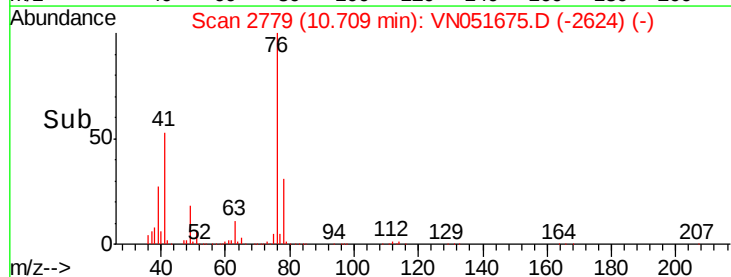
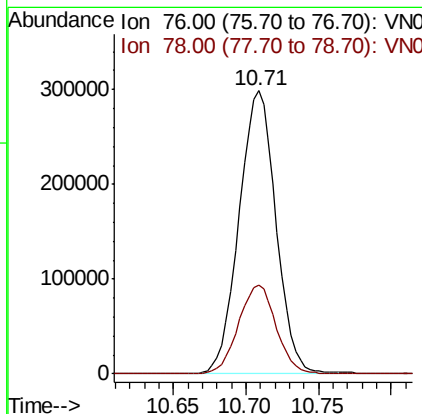
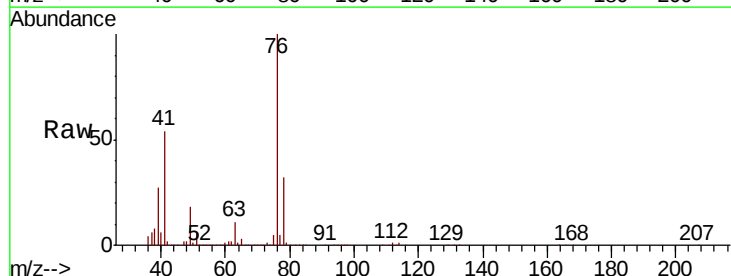
RT: 10.71 min Scan# 2779

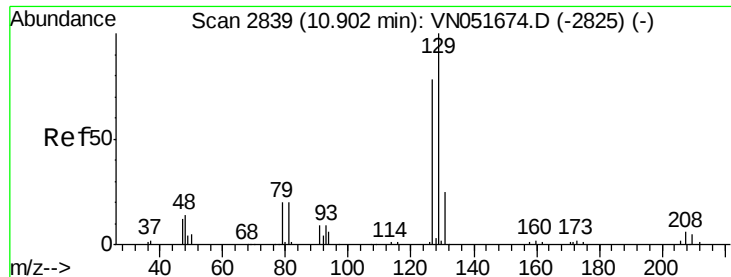
Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Tgt Ion:	76	Resp:	528085
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	67.6





#53

Dibromochloromethane

Concen: 50.841 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion:129 Resp: 427817

Ion Ratio Lower Upper

129 100

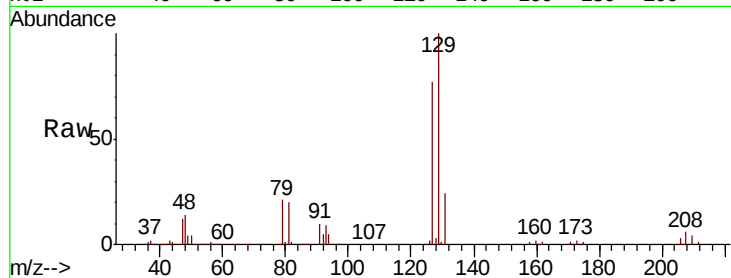
127 77.0 40.2 120.5

Manual Integrations

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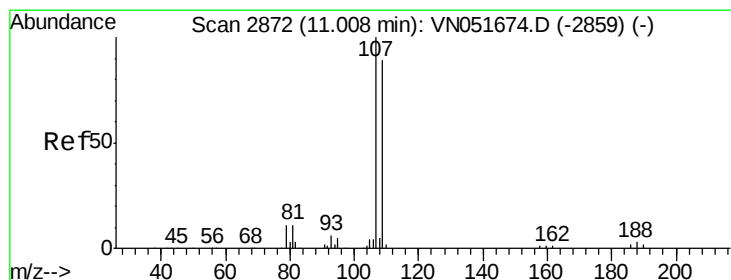
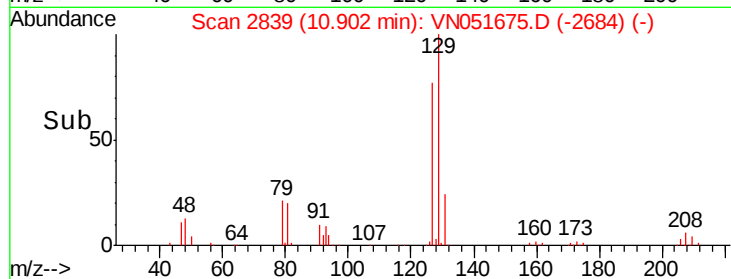
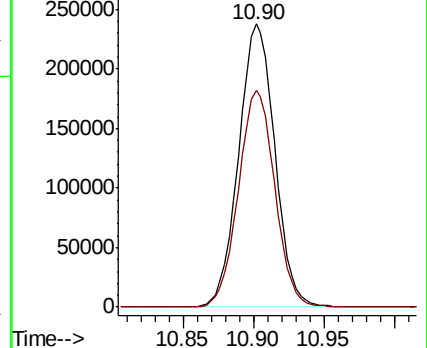
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 49.164 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051675.D

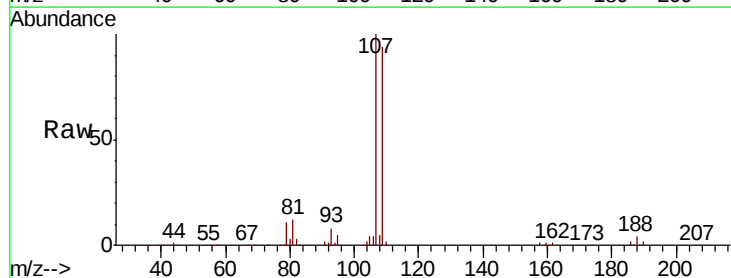
Acq: 5 Oct 2018 10:00

Tgt Ion:107 Resp: 345400

Ion Ratio Lower Upper

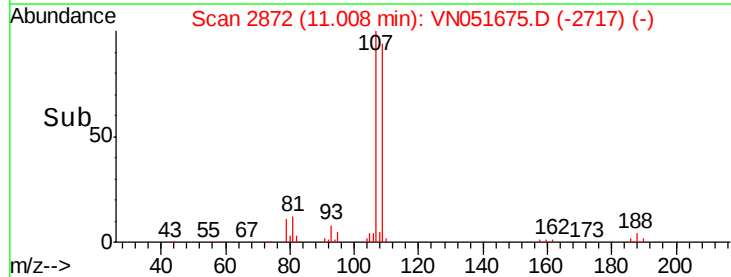
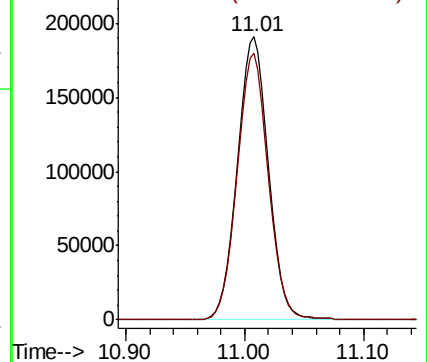
107 100

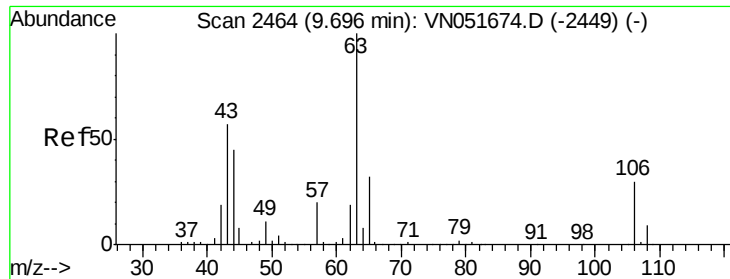
109 94.5 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





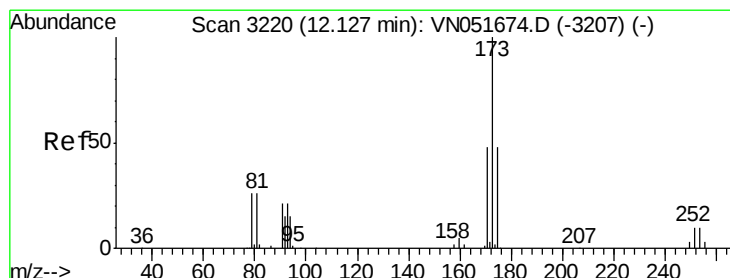
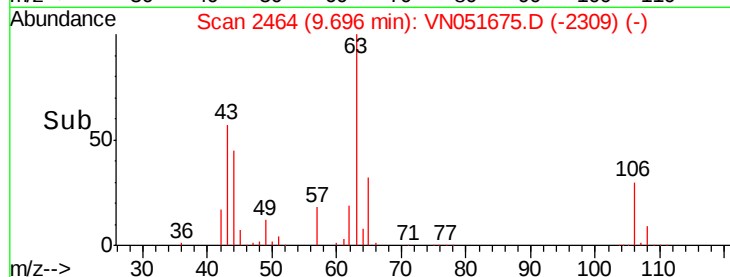
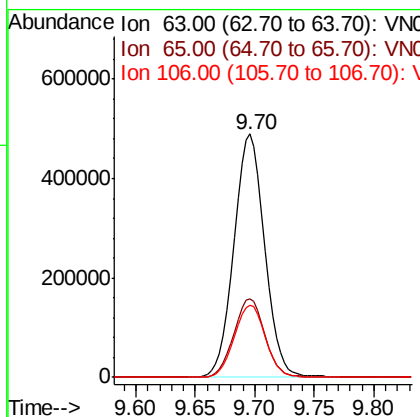
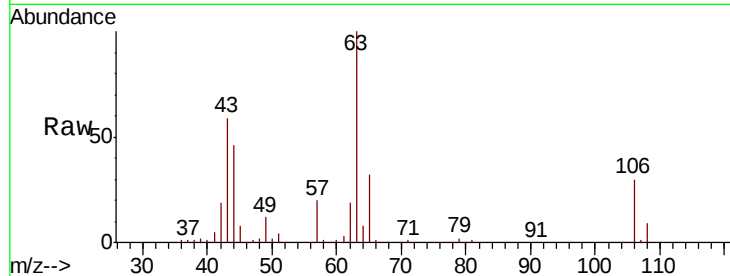
#55
2-Chloroethyl vinyl ether
Concen: 205.098 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.4	38.0
106	30.3	21.2	31.8

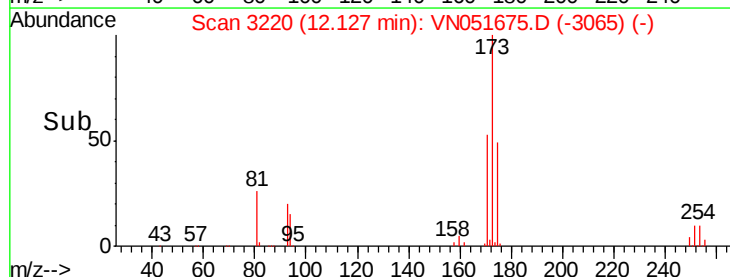
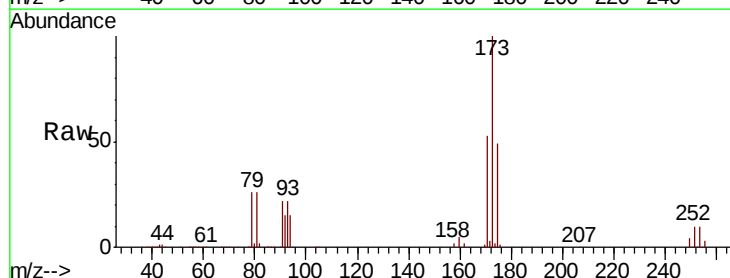
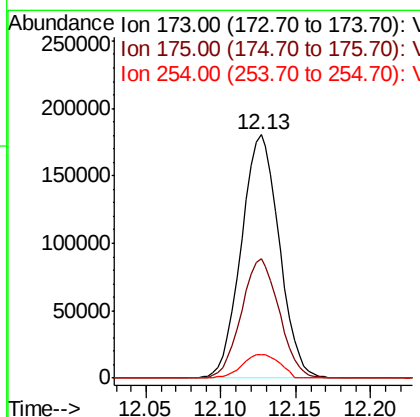
Manual Integrations
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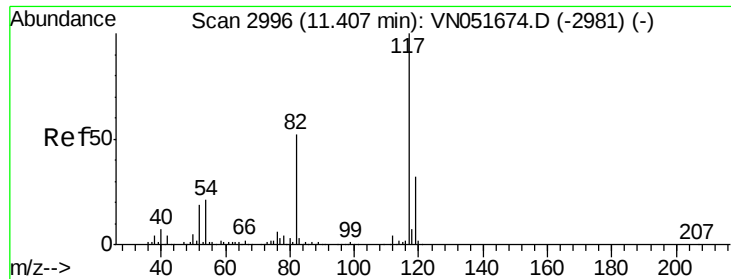
MMDadoda
10/8/2018 3:58:47 PM



#56
Bromoform
Concen: 56.510 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	35.8	53.8
254	9.5	8.6	13.0





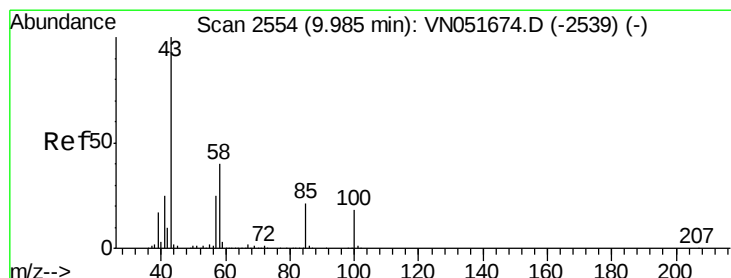
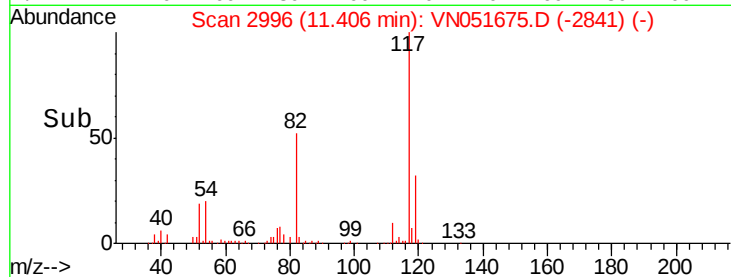
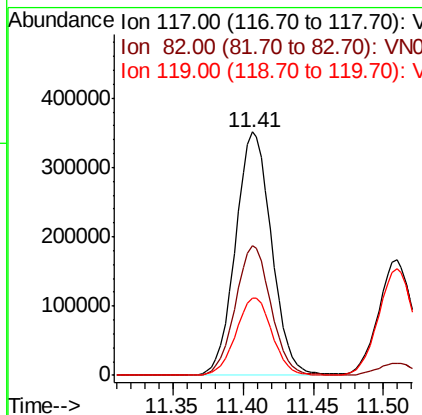
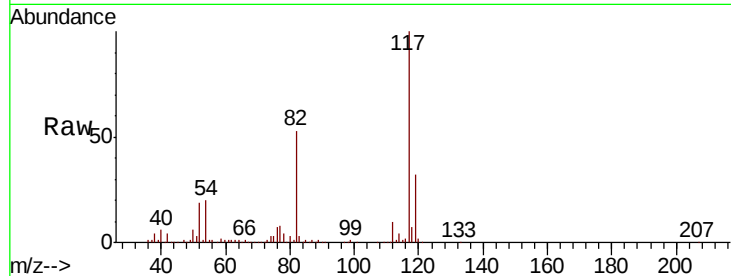
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.1	66.1
119	32.1	25.8	38.8

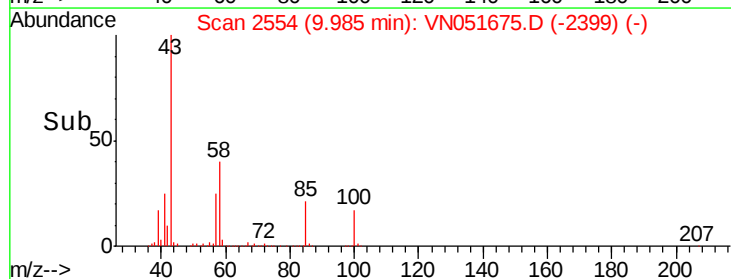
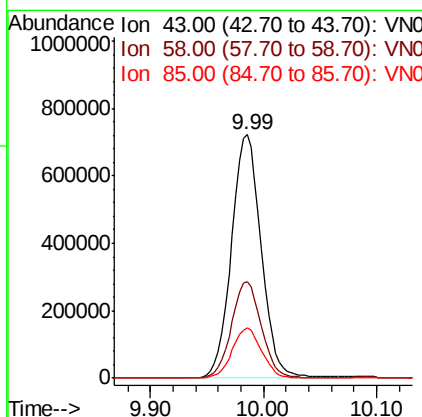
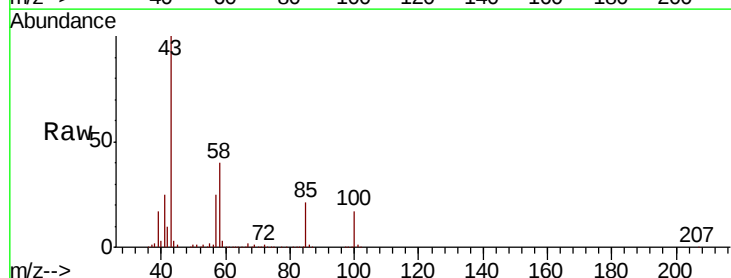
Manual Integrations
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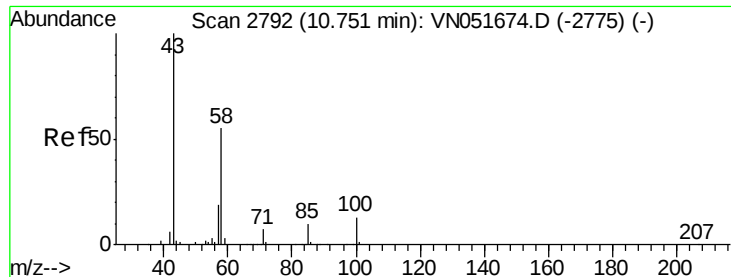
MMDadoda
10/8/2018 3:58:47 PM



#58
4-Methyl-2-Pentanone
Concen: 203.467 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	29.3	43.9
85	20.4	12.6	18.8#





#59

2-Hexanone

Concen: 212.855 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

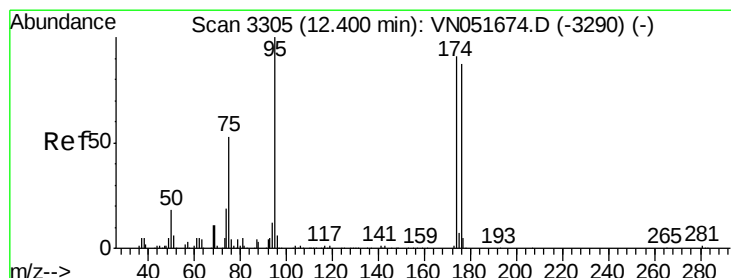
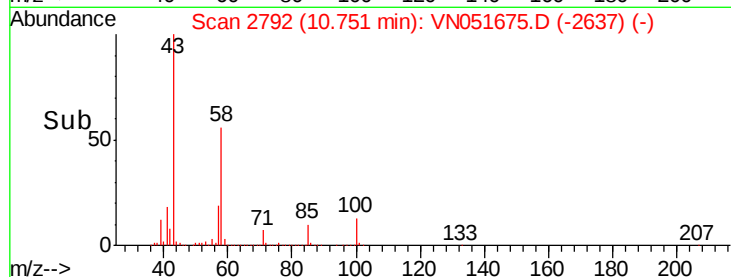
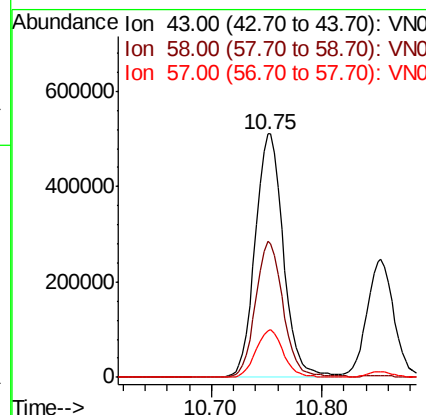
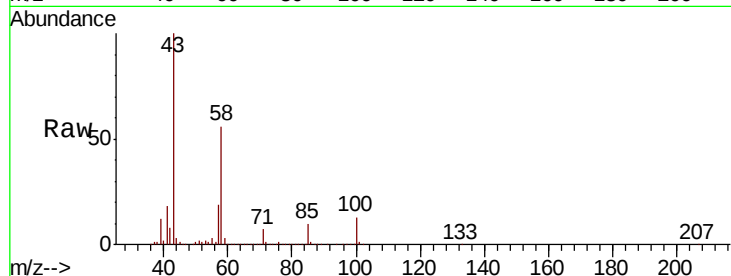
ClientSampleId :

VSTDIC050

Tot Ion:	43	Resp:	900620
Ion	Ratio	Lower	Upper
43	100		
58	55.0	41.3	61.9
57	19.2	13.4	20.0

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#60

4-Bromofluorobenzene

Concen: 212.855 ug/l

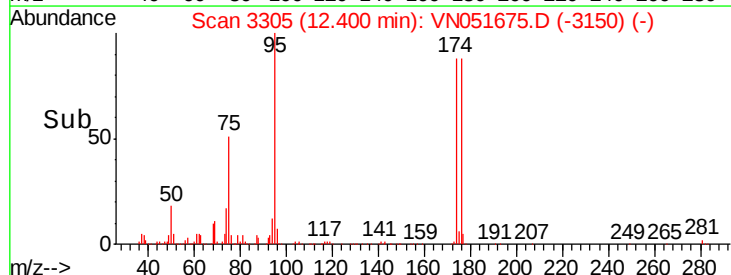
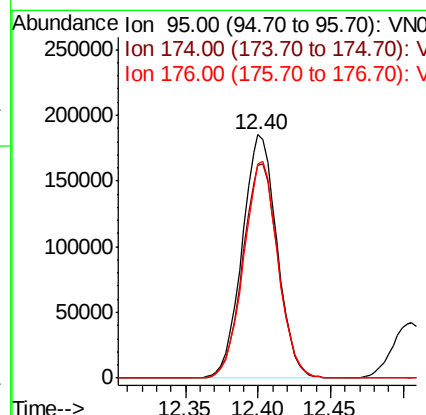
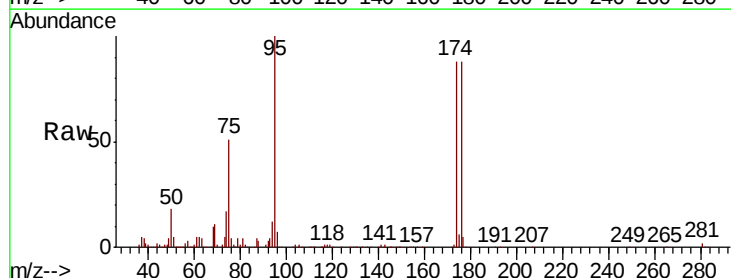
RT: 12.40 min Scan# 3305

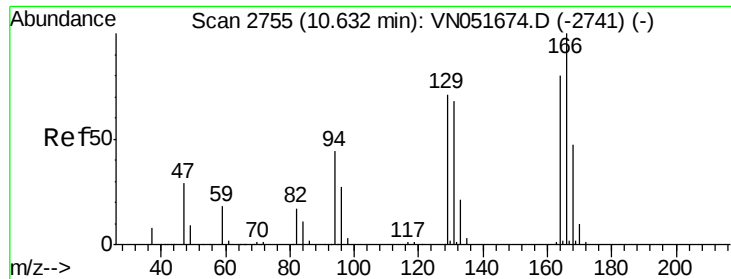
Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Tgt Ion:	95	Resp:	308126
Ion	Ratio	Lower	Upper
95	100		
174	89.5	73.5	110.3
176	87.9	70.2	105.2





#61

Tetrachloroethene

Concen: 42.414 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

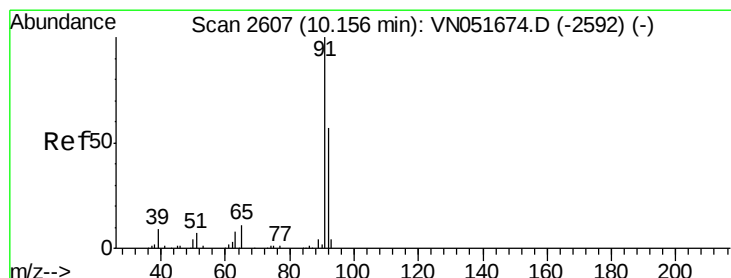
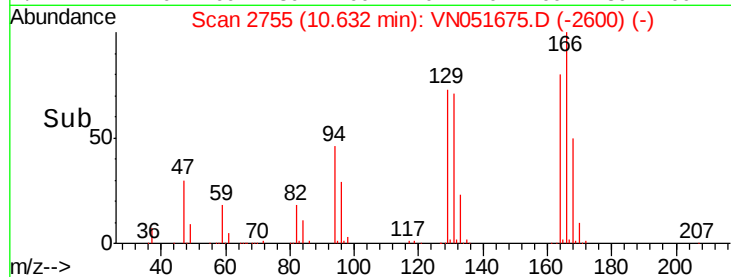
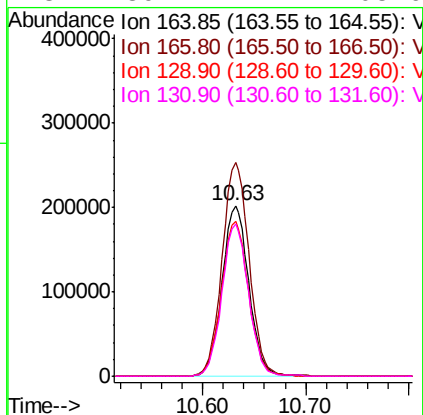
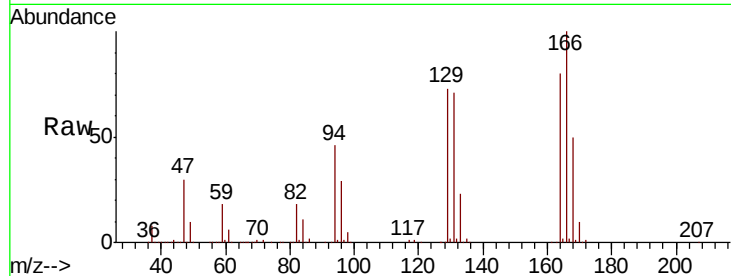
ClientSampleId :

VSTDIC050

Tot Ion:	164	Resp:	365546
Ion Ratio	Lower	Upper	
164	100		
166	125.4	98.7	148.1
129	90.9	69.6	104.4
131	89.1	72.4	108.6

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#62

Toluene

Concen: 42.288 ug/l

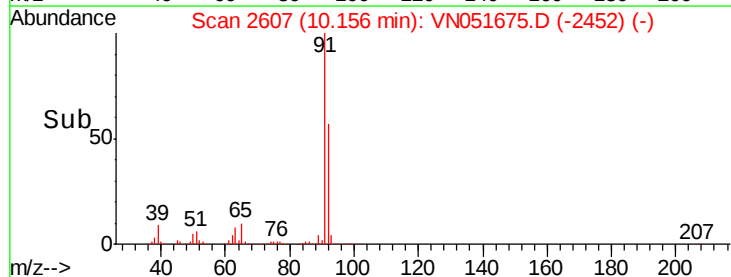
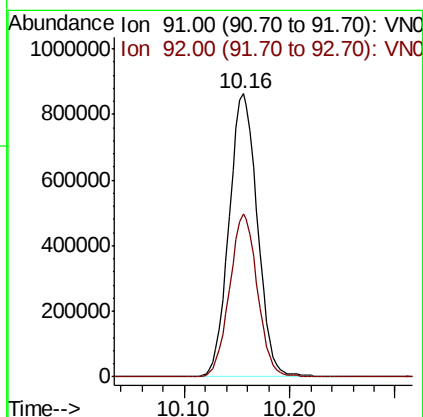
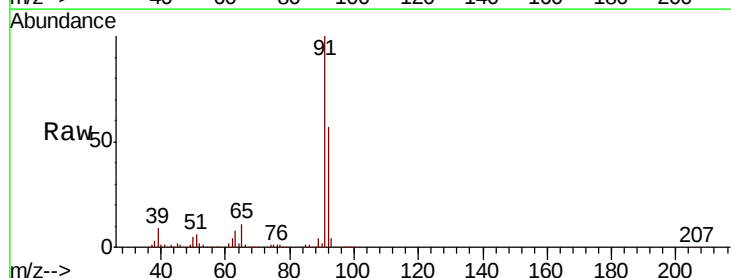
RT: 10.16 min Scan# 2607

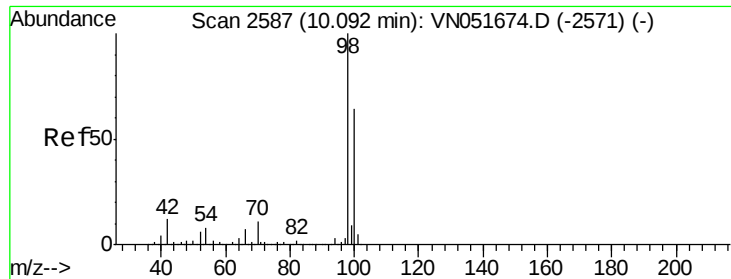
Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Tgt Ion:	91	Resp:	1604770
Ion Ratio	Lower	Upper	
91	100		
92	56.4	44.6	66.8





#63

Toluene-d8

Concen: 42.288 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 821309

Ion Ratio Lower Upper

98 100

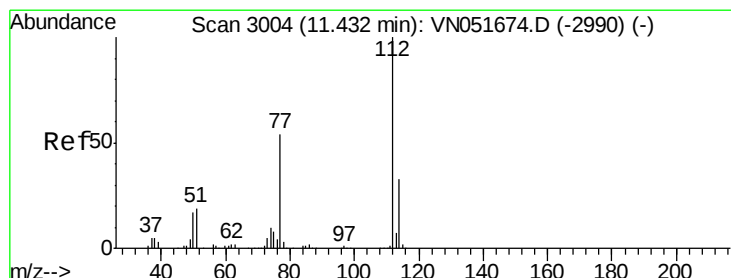
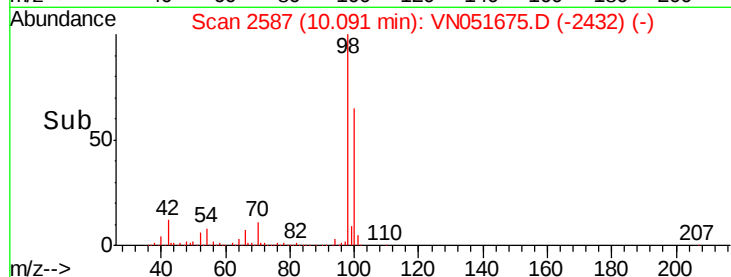
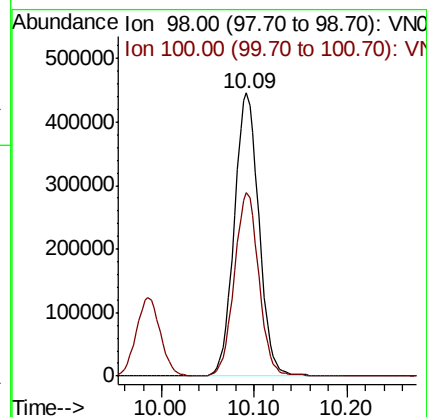
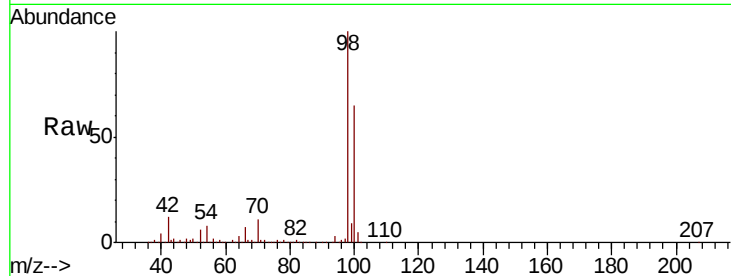
100 63.5 50.8 76.2

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#64

Chlorobenzene

Concen: 44.282 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051675.D

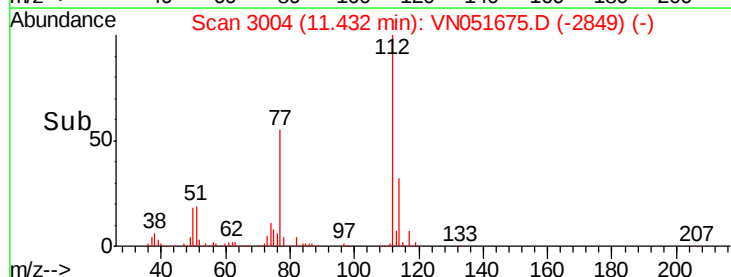
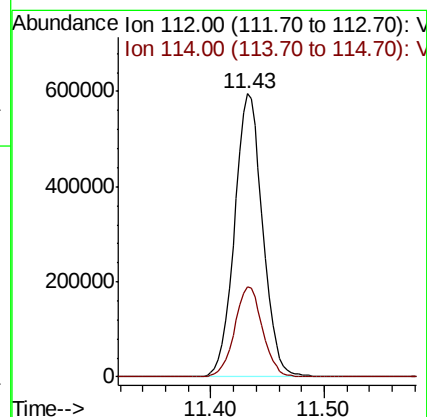
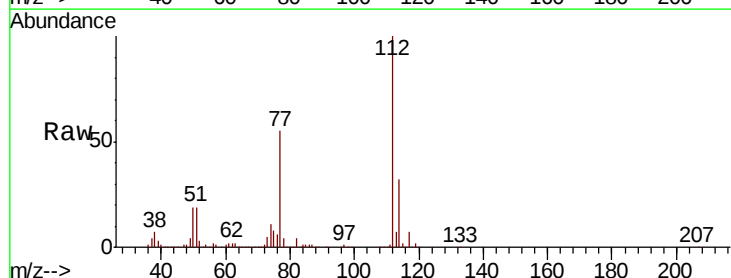
Acq: 5 Oct 2018 10:00

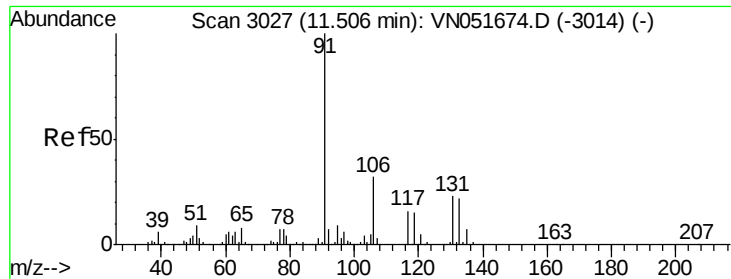
Tgt Ion: 112 Resp: 1028374

Ion Ratio Lower Upper

112 100

114 31.9 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 46.266 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

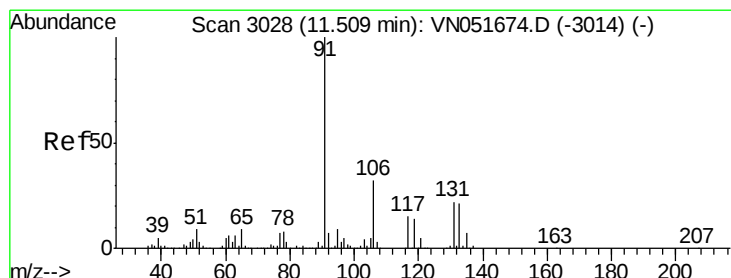
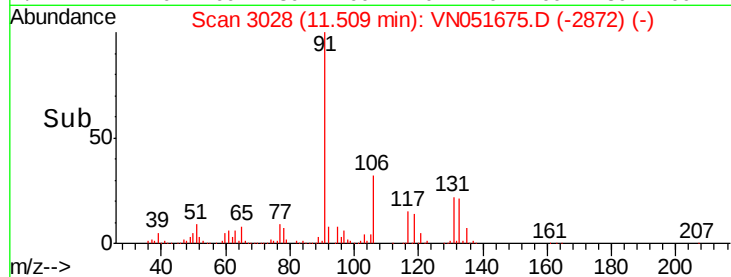
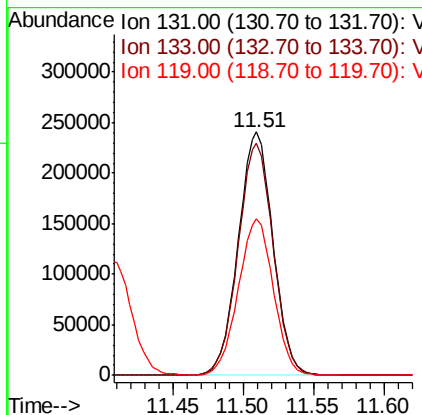
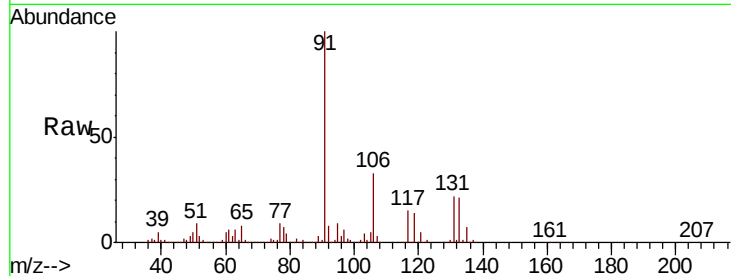
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	416023		
133	96.2	0.0	190.4	
119	64.8	0.0	128.0	

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#66

Ethyl Benzene

Concen: 46.712 ug/l

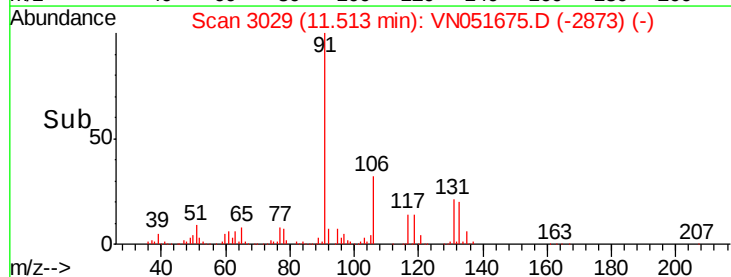
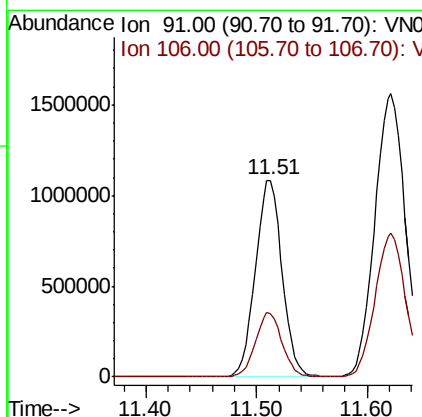
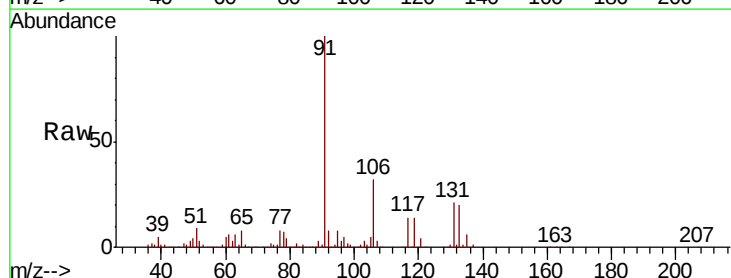
RT: 11.51 min Scan# 3029

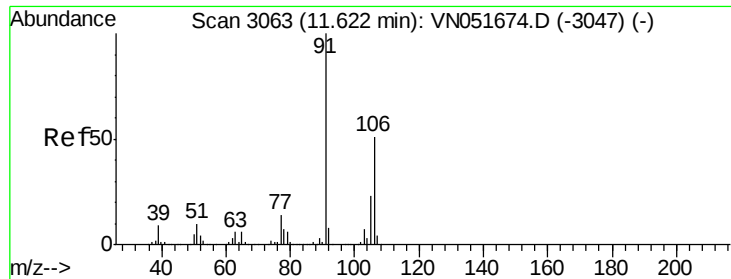
Delta R.T. 0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1821613		
106	32.3	25.9	38.9	





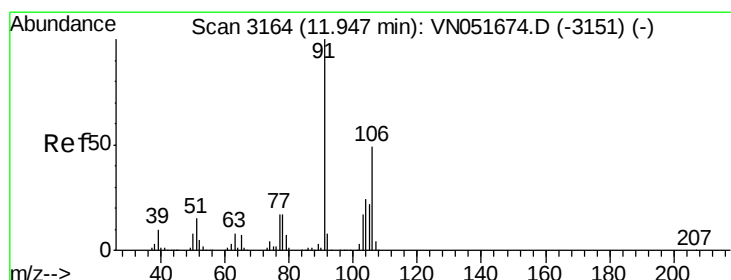
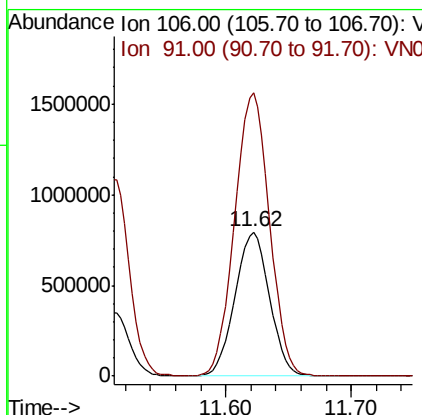
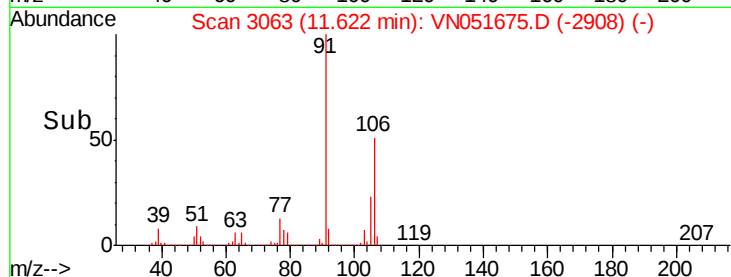
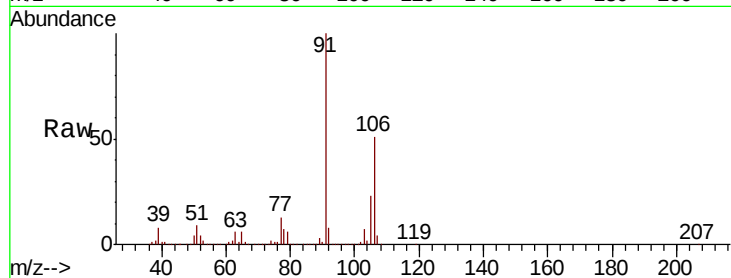
#67
m/p-Xvlenes
Concen: 100.009 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 1516289
Ion Ratio Lower Upper
106 100
91 198.4 158.8 238.2

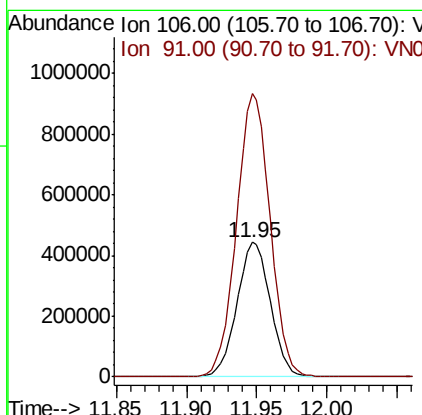
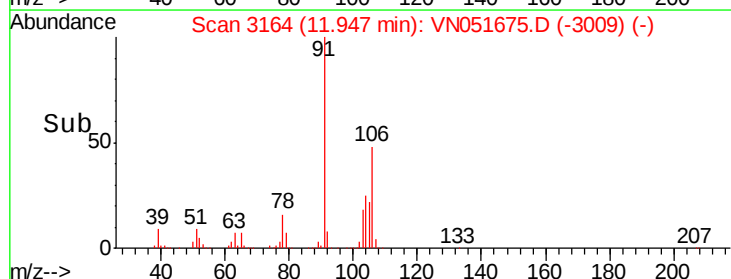
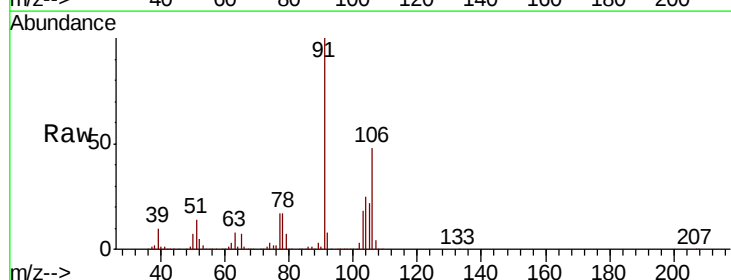
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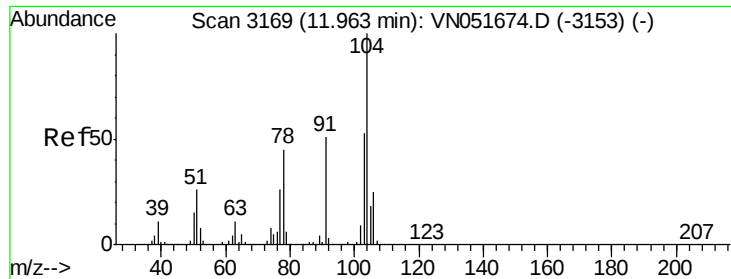
MMDadoda
10/8/2018 3:58:47 PM



#68
o-Xylene
Concen: 51.136 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion:106 Resp: 736792
Ion Ratio Lower Upper
106 100
91 210.6 111.1 333.3





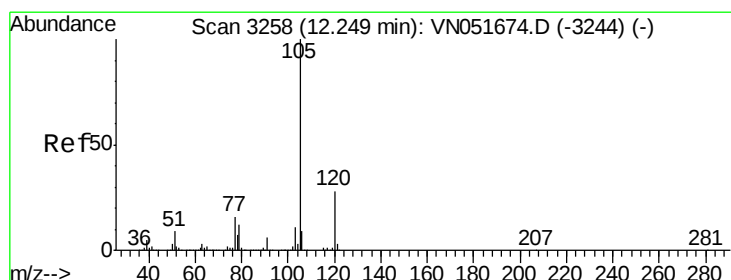
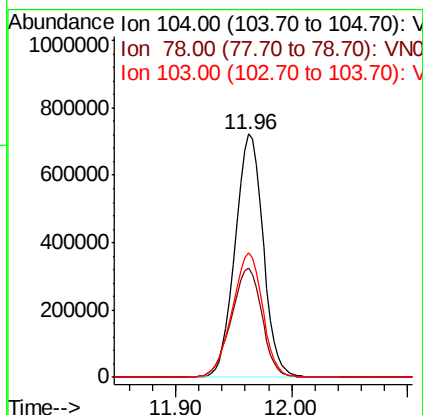
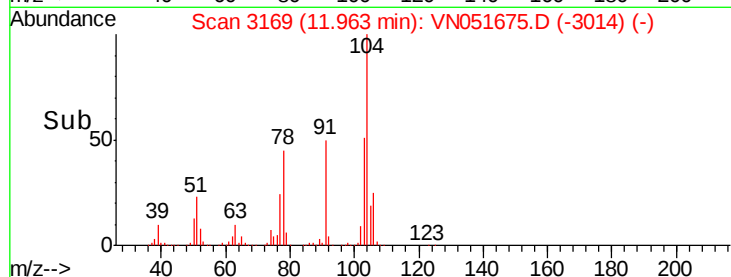
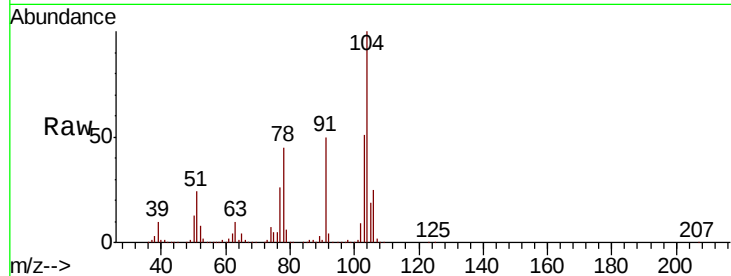
#69
Stvrene
Concen: 53.061 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	40.6	60.8
103	55.6	44.0	66.0

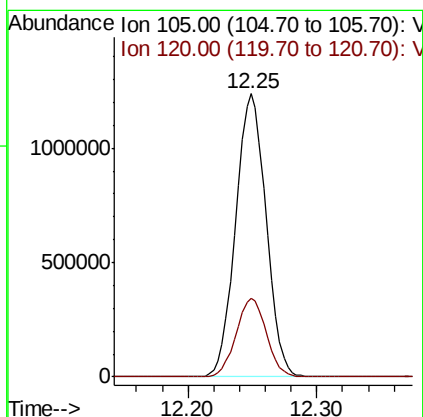
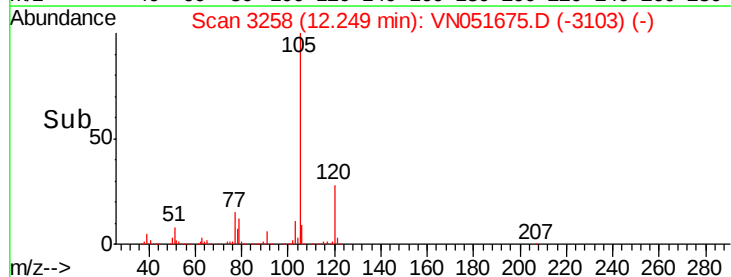
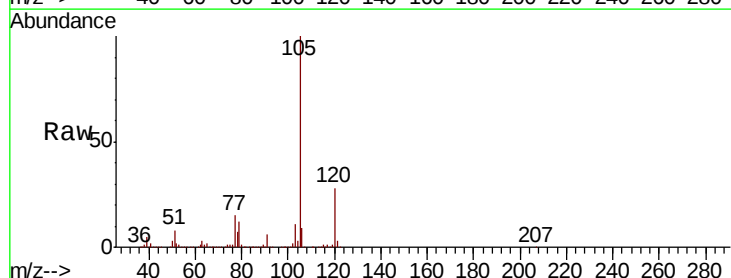
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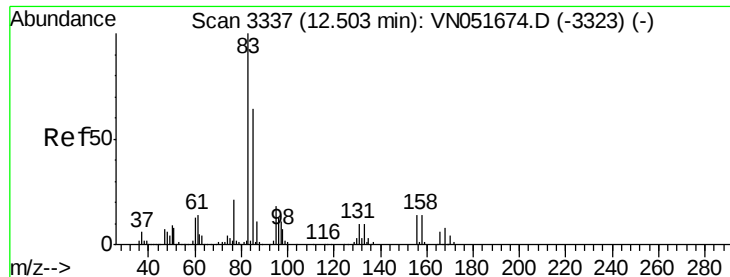
MMDadoda
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#70
Isopropylbenzene
Concen: 52.420 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	19.0	35.4





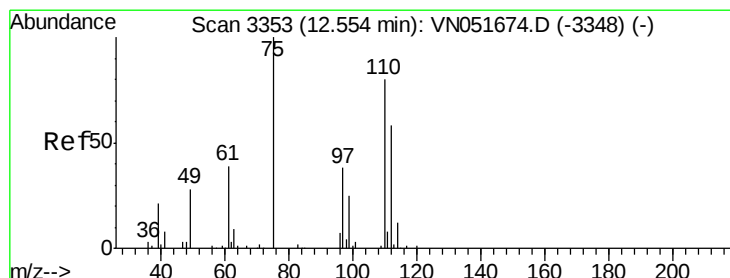
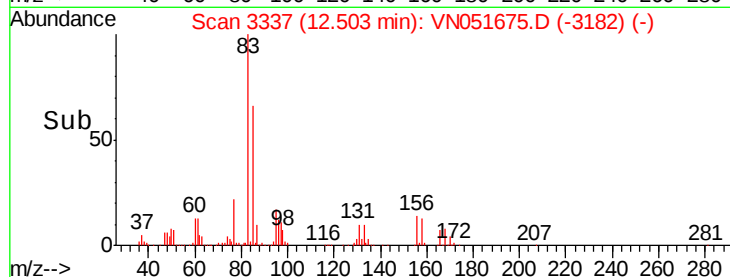
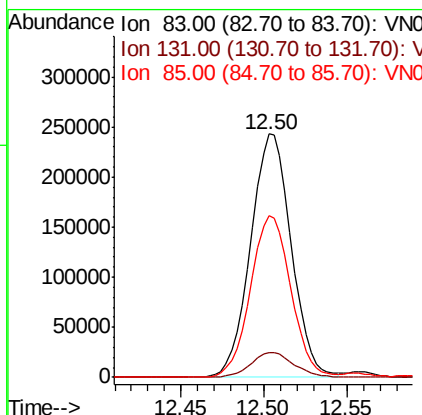
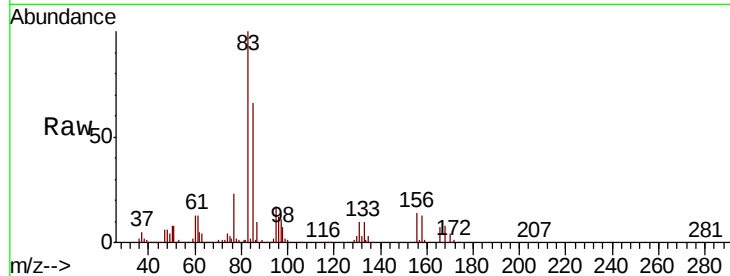
#71
 1,1,2,2-Tetrachloroethane
 Concen: 46.436 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	415890
Ion Ratio	100	Lower	Upper
83	100		
131	10.8	5.5	16.4
85	66.0	30.6	91.8

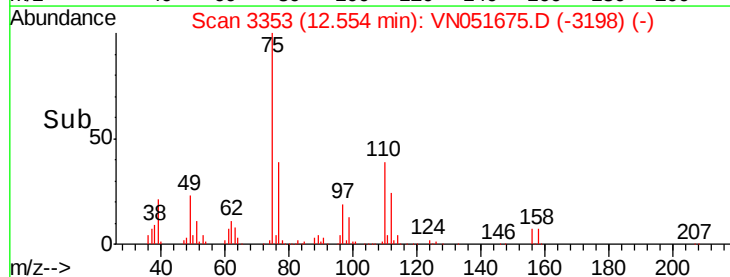
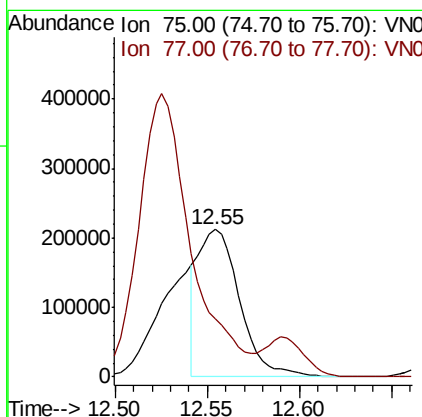
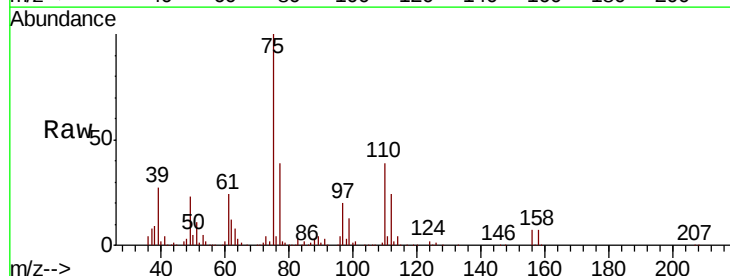
Manual Integrations
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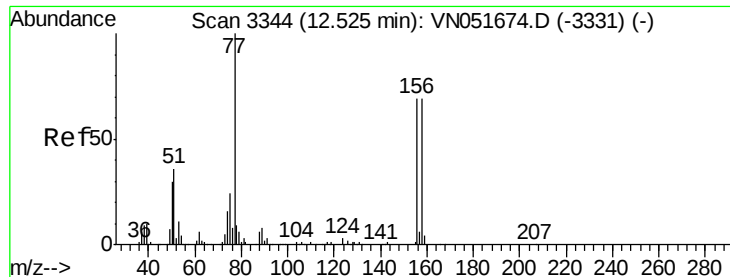
MMDadoda
 10/8/2018 3:58:47 PM



#72
 1,2,3-Trichloropropane
 Concen: 42.674 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	75	Resp	331005
Ion Ratio	100	Lower	Upper
75	100		
77	242.1	0.0	400.0





#73

Bromobenzene

Concen: 50.239 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

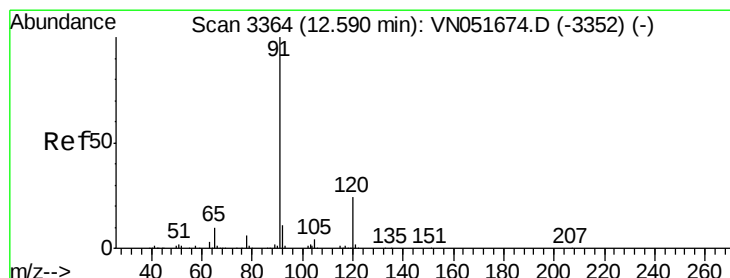
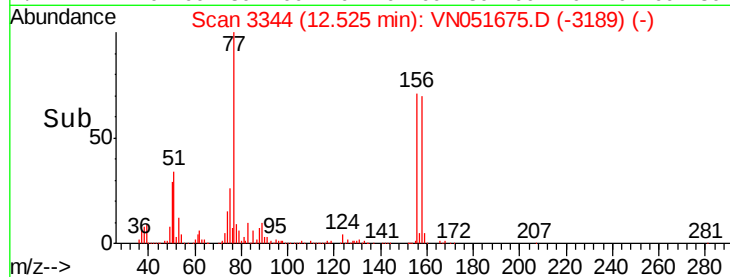
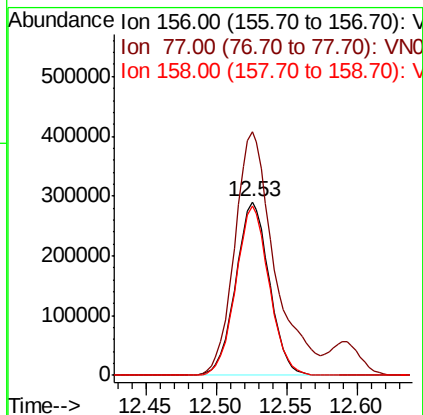
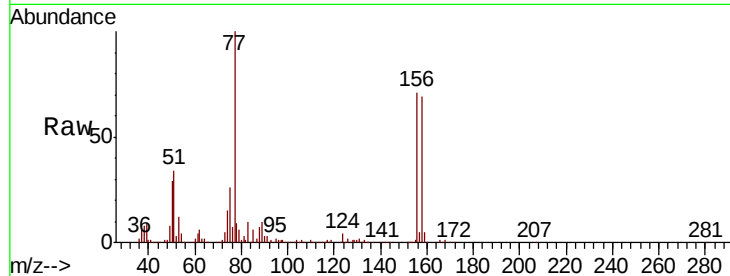
ClientSampled :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.4	0.0	377.4
158	96.9	0.0	203.0

Manual Integrations
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10/8/2018 3:58:47 PM



#74

n-propylbenzene

Concen: 50.967 ug/l

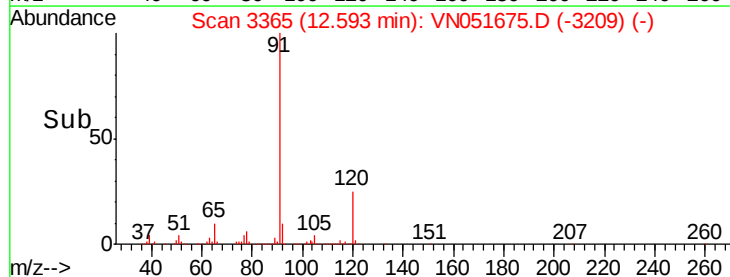
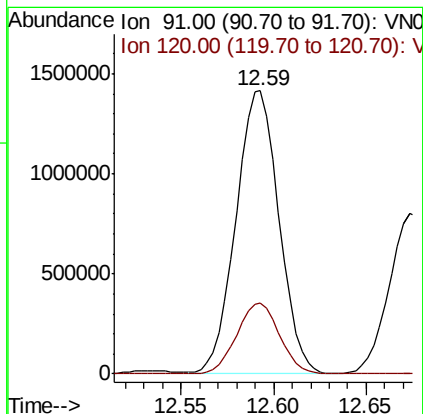
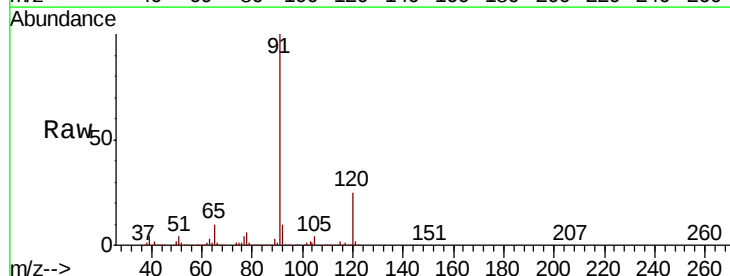
RT: 12.59 min Scan# 3365

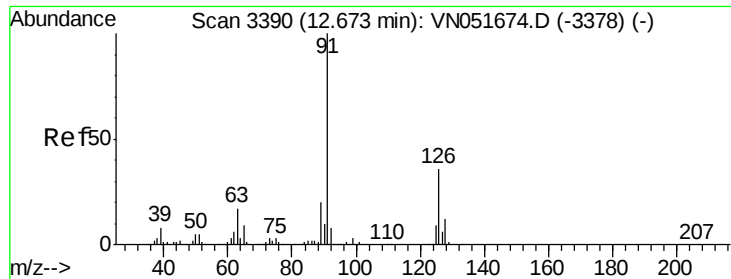
Delta R.T. 0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	0.0	45.0





#75

2-Chlorotoluene

Concen: 50.372 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 1332209

Ion Ratio Lower Upper

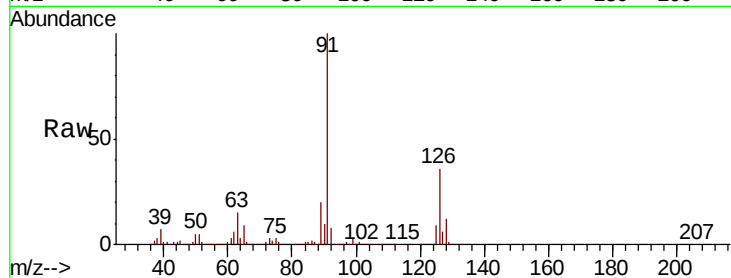
91 100

126 36.8 0.0 67.6

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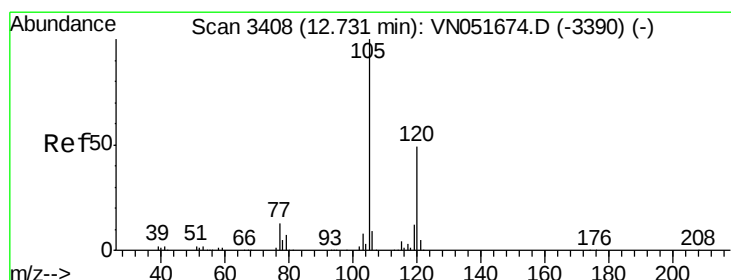
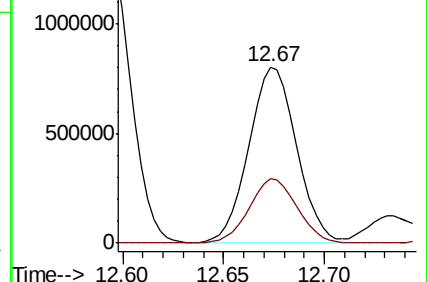
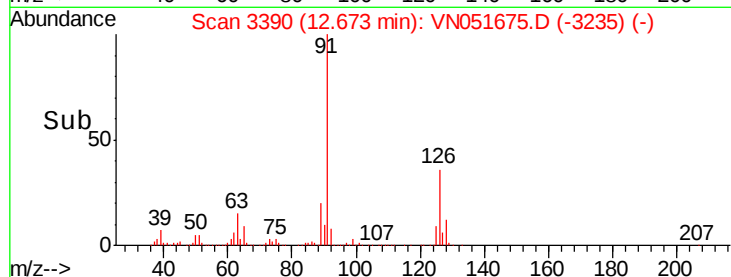
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN051675.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN051675.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 55.660 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051675.D

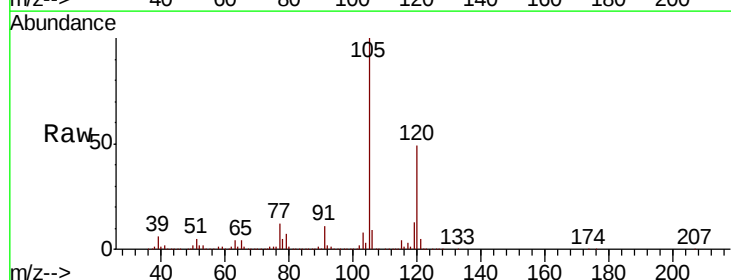
Acq: 5 Oct 2018 10:00

Tgt Ion:105 Resp: 1778156

Ion Ratio Lower Upper

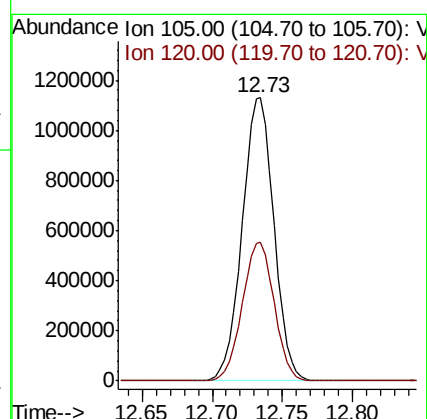
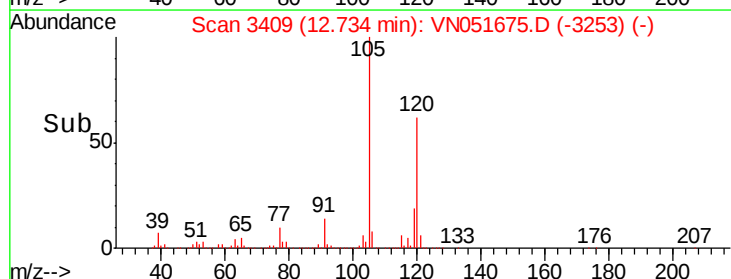
105 100

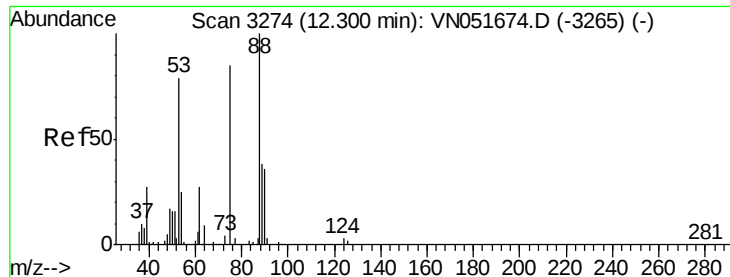
120 49.4 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051675.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN051675.D (-3253) (-)





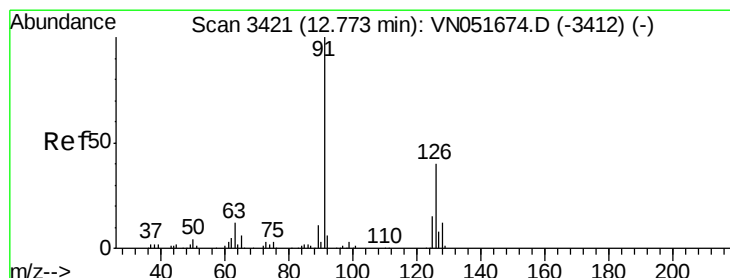
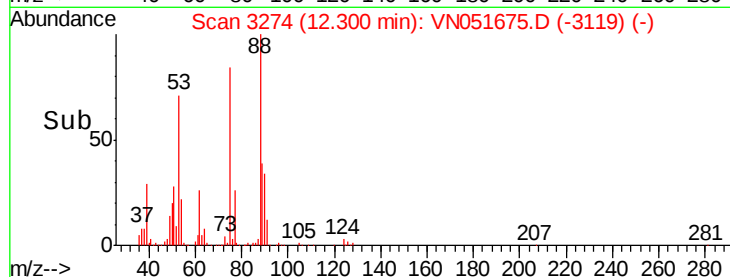
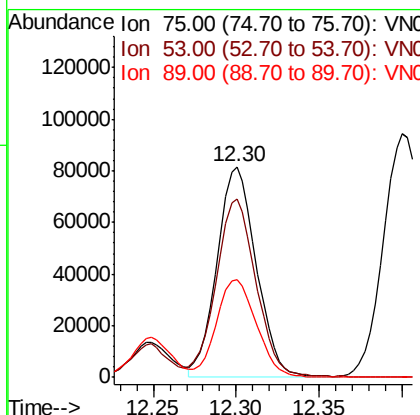
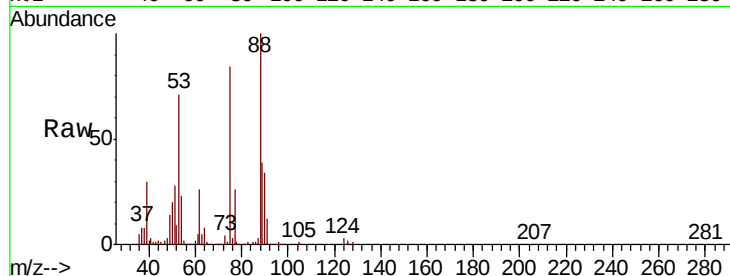
#77
t-1,4-Dichloro-2-butene
Concen: 55.524 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.3	46.3	138.9
89	46.7	24.6	73.8

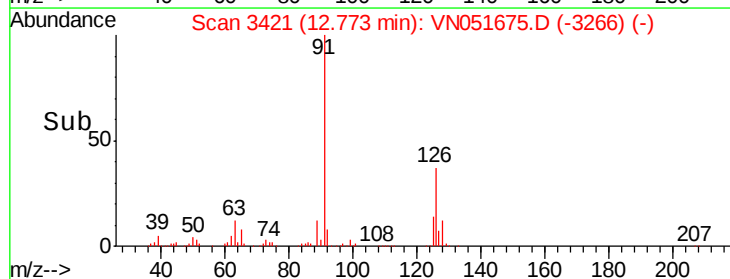
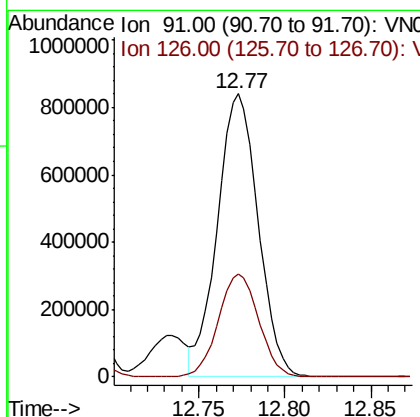
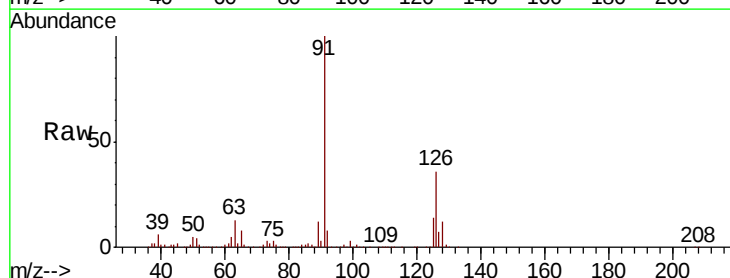
Manual Integrations
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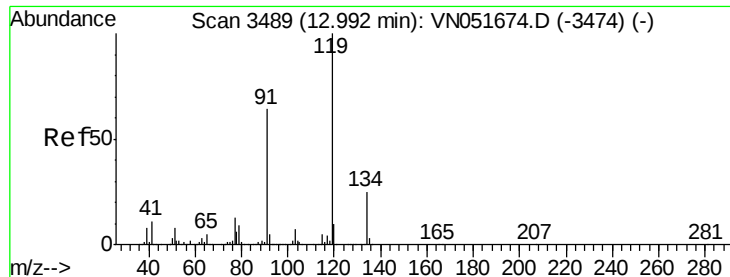
MMDadoda
10/8/2018 3:58:47 PM



#78
4-Chlorotoluene
Concen: 52.778 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	0.0	65.2





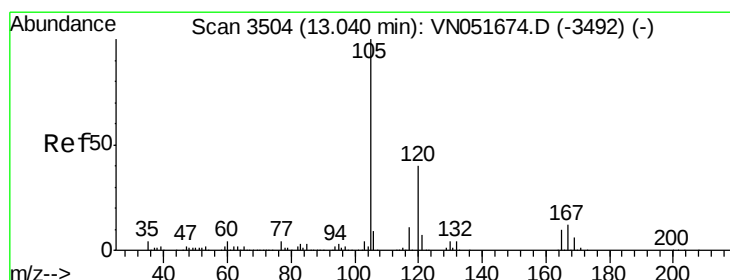
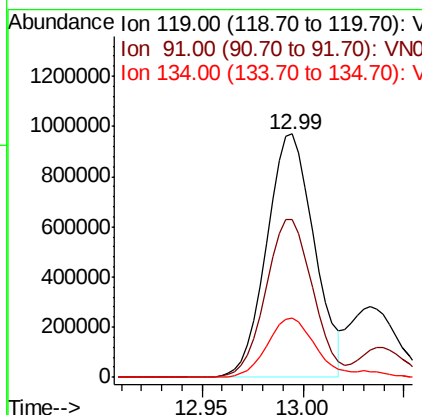
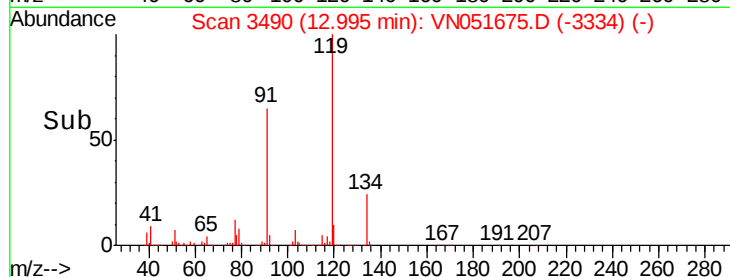
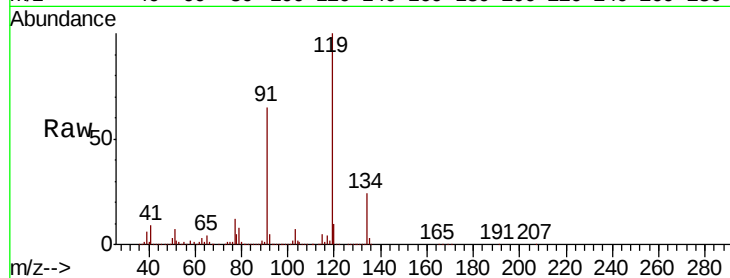
#79
tert-butylbenzene
Concen: 57.383 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:119 Resp: 1587826
Ion Ratio Lower Upper
119 100
91 64.1 0.0 131.6
134 24.5 0.0 46.2

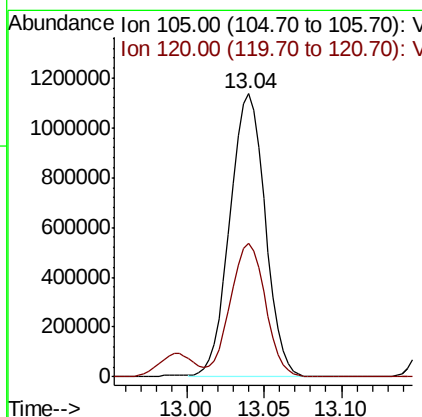
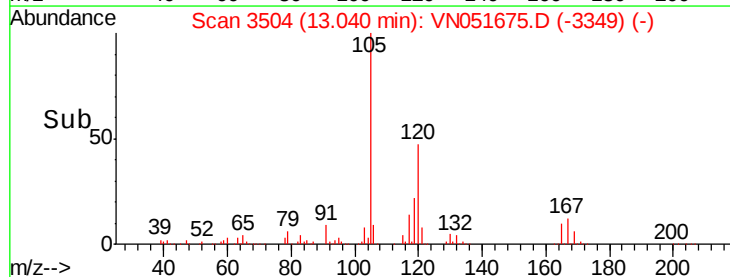
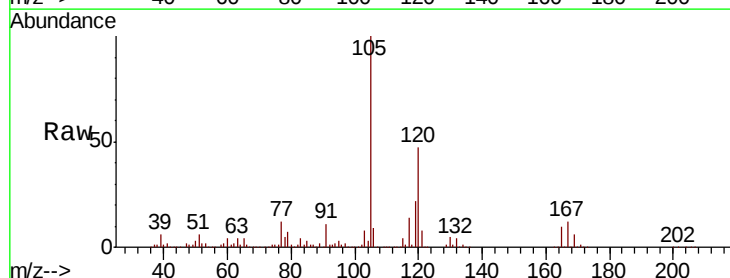
Manual Integrations
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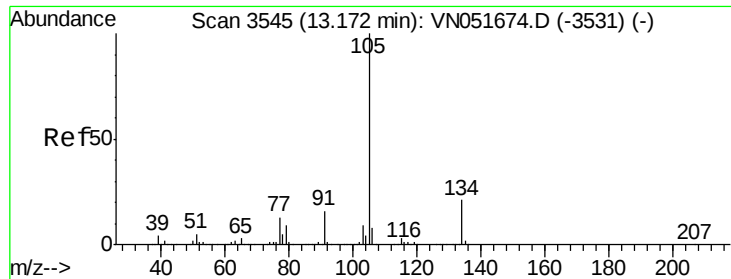
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 55.940 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion:105 Resp: 1802503
Ion Ratio Lower Upper
105 100
120 46.9 0.0 89.6





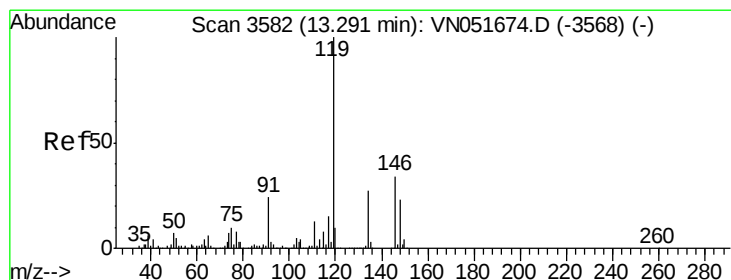
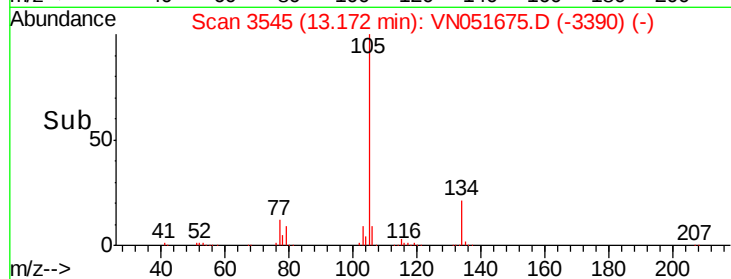
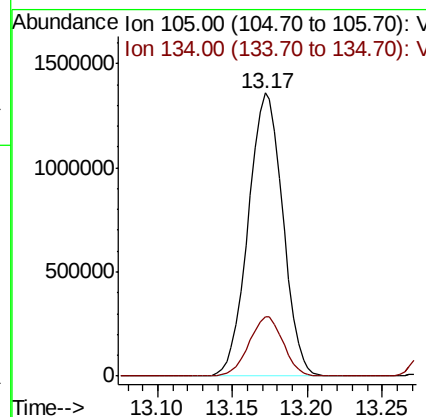
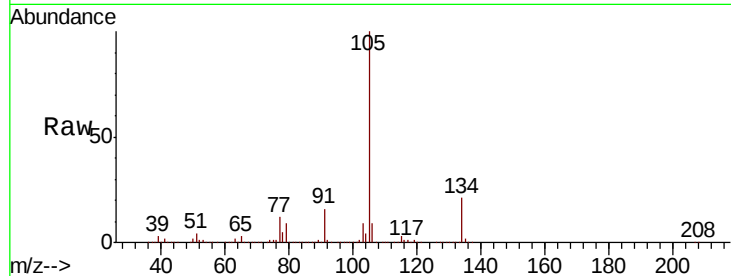
#81
 sec-Butylbenzene
 Concen: 57.275 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:105 Resp: 2183847
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 39.4

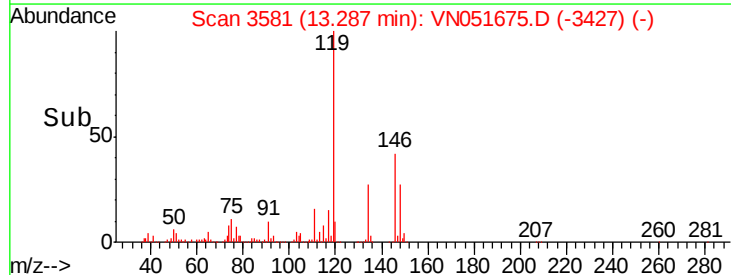
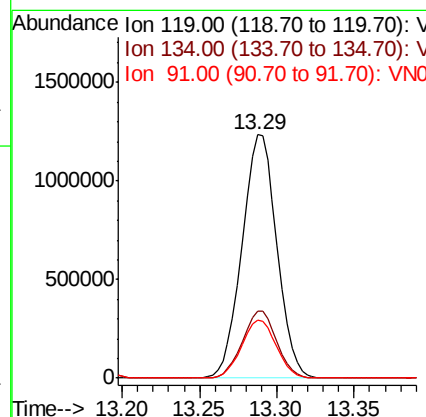
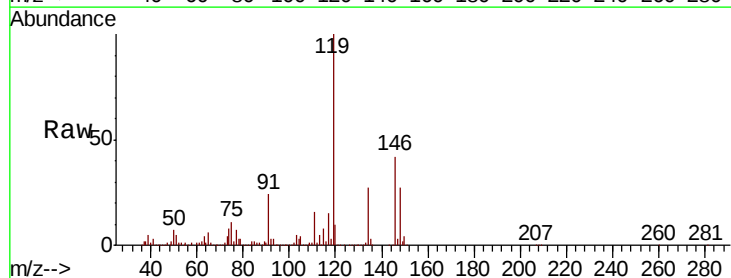
Manual Integrations
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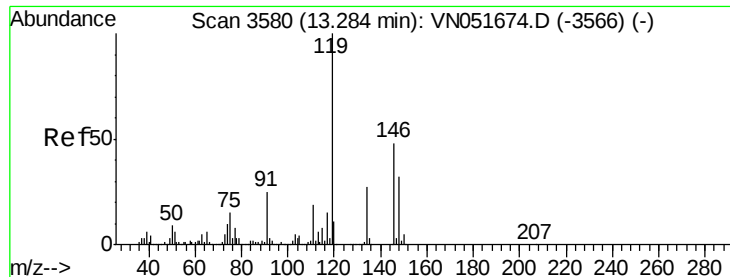
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 58.536 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion:119 Resp: 1928450
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 53.6
 91 23.7 0.0 52.0





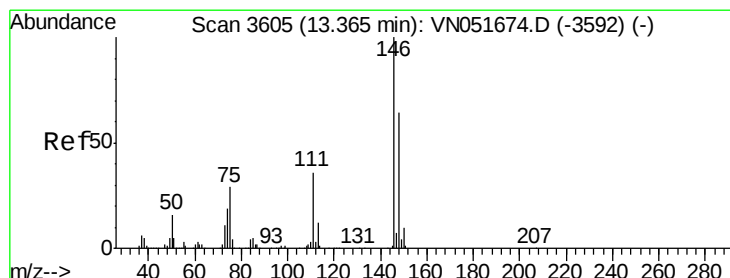
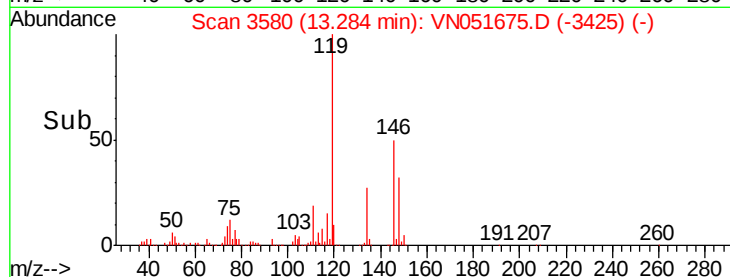
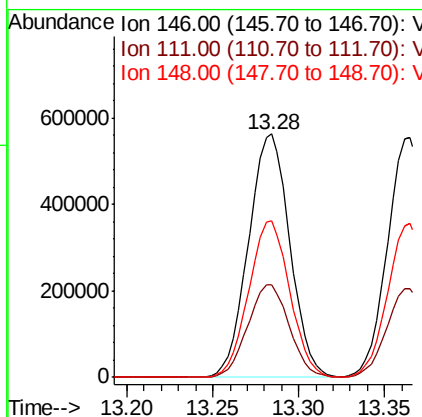
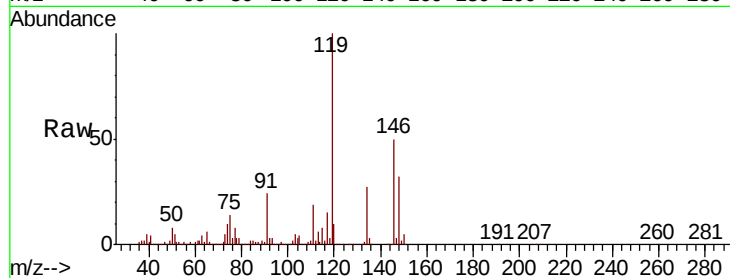
#83
 1,3-Dichlorobenzene
 Concen: 55.555 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.3
148	63.8	31.3	93.8

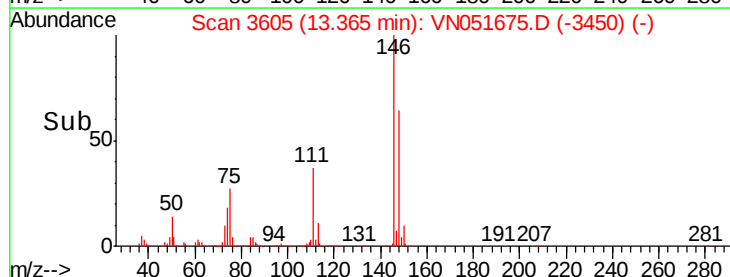
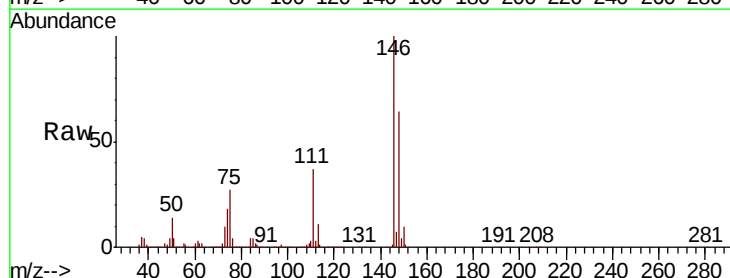
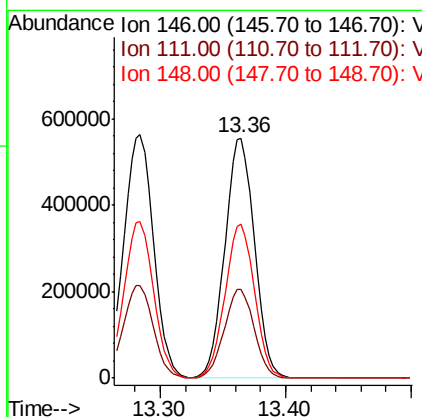
Manual Integrations
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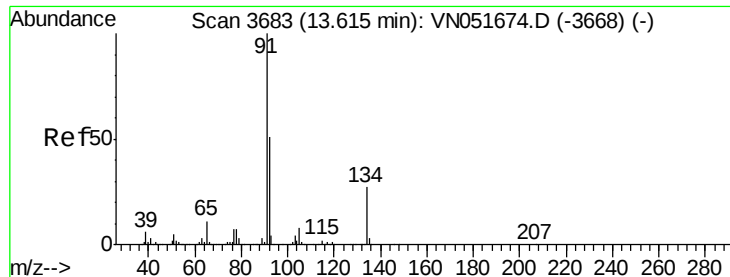
MMDadoda
 10/8/2018 3:58:47 PM



#84
 1,4-Dichlorobenzene
 Concen: 57.168 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.4	52.2
148	63.9	32.8	98.3





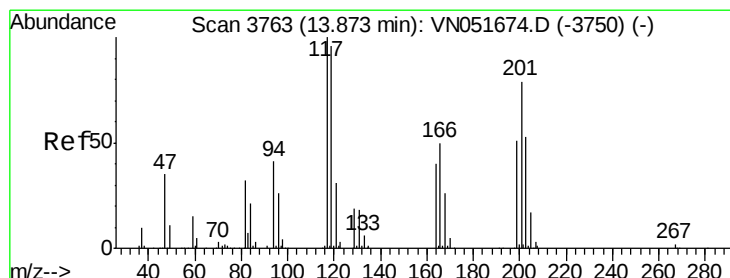
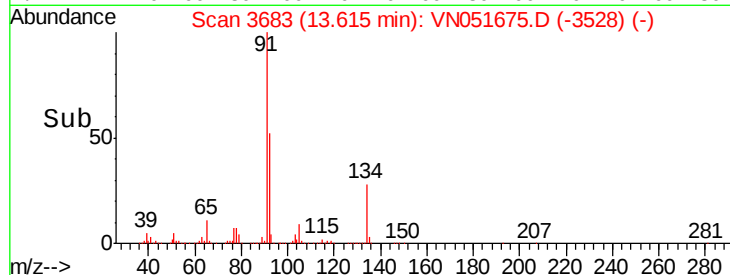
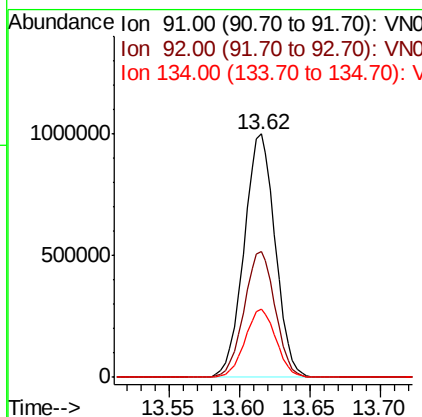
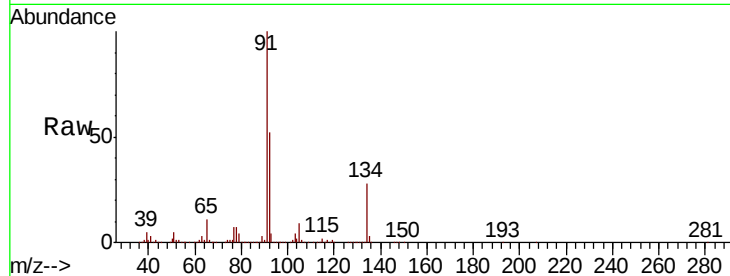
#85
n-Butylbenzene
Concen: 57.734 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	97.4
134	27.9	0.0	49.6

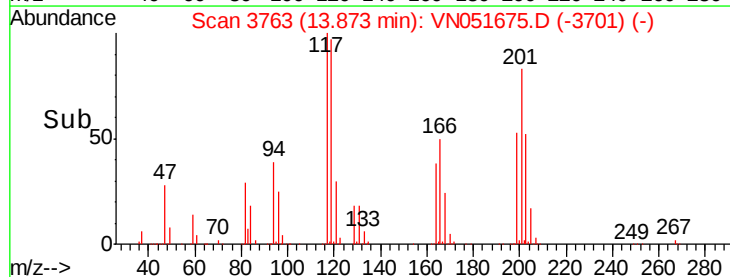
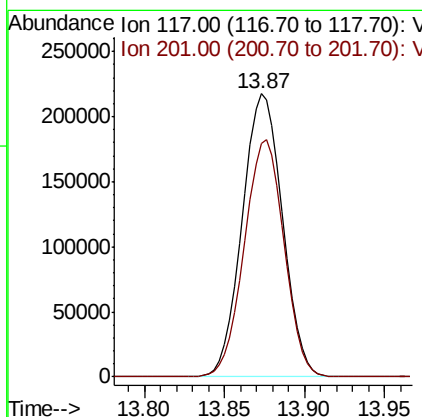
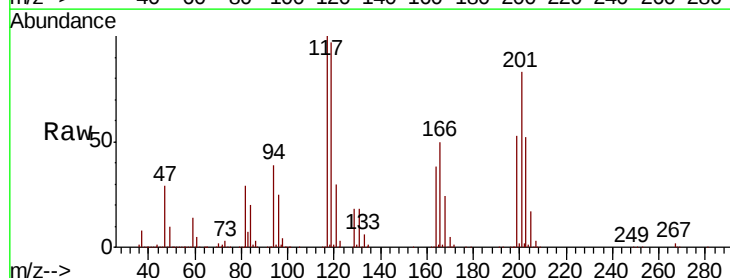
Manual Integrations
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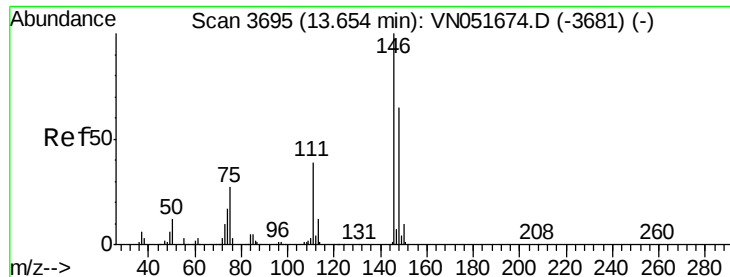
MMDadoda
10/8/2018 3:58:47 PM



#86
Hexachloroethane
Concen: 57.045 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	47.8	143.3





#87

1,2-Dichlorobenzene

Concen: 56.848 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Instrument :

MSVOA_N

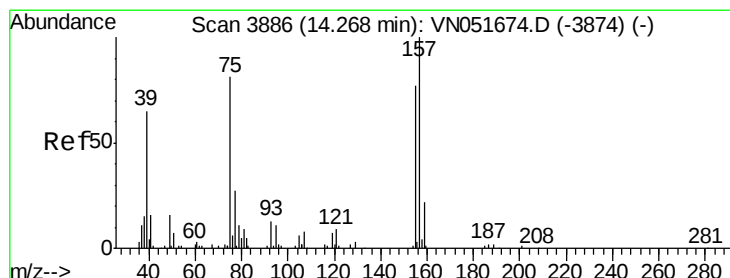
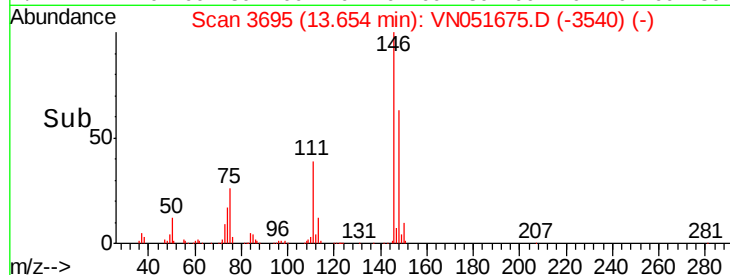
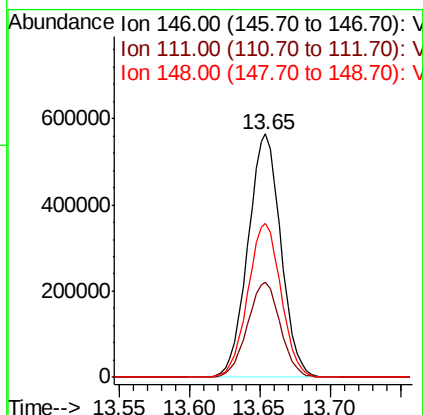
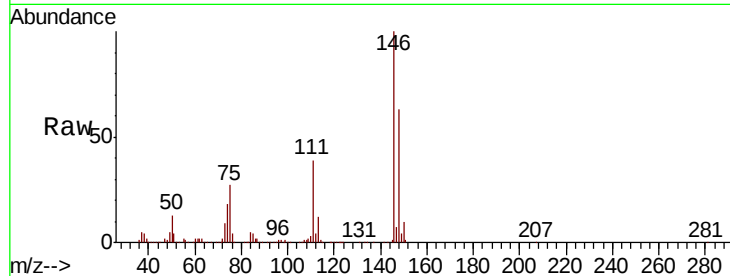
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	920287
Ion Ratio		Lower	Upper
146	100		
111	39.1	20.8	62.2
148	63.9	33.2	99.6

Manual Integrations
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10/8/2018 3:58:47 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 55.487 ug/l

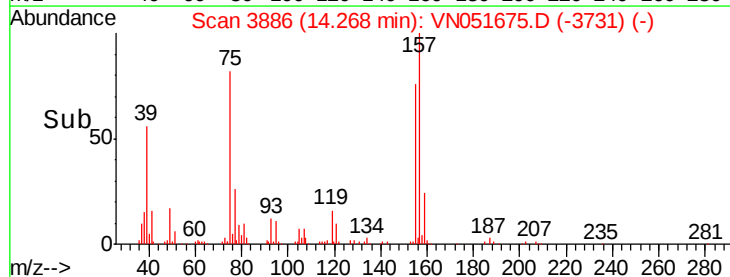
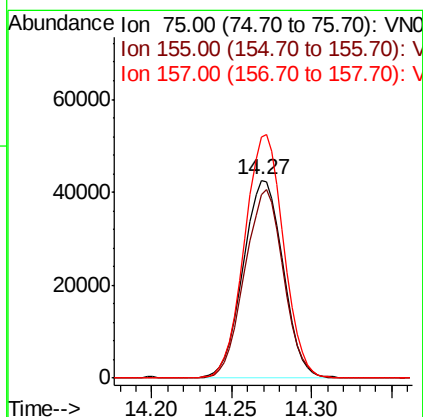
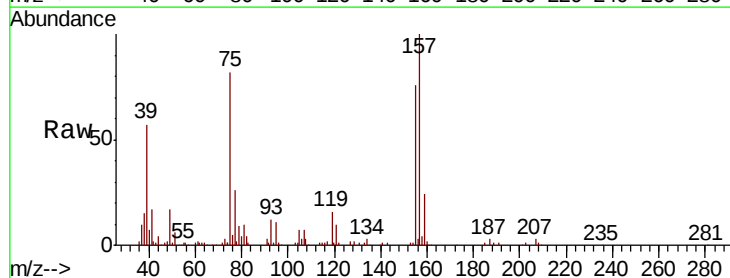
RT: 14.27 min Scan# 3886

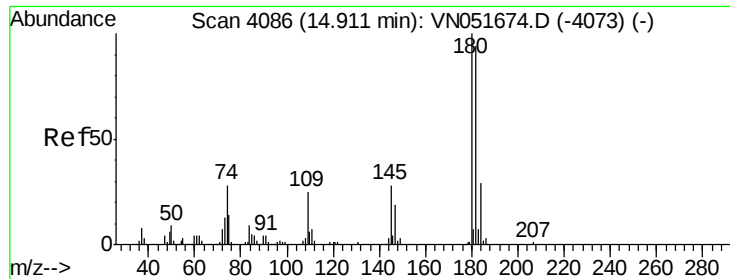
Delta R.T. -0.00 min

Lab File: VN051675.D

Acq: 5 Oct 2018 10:00

Tgt Ion:	75	Resp:	72861
Ion Ratio		Lower	Upper
75	100		
155	92.4	57.0	85.6#
157	119.9	87.4	131.0





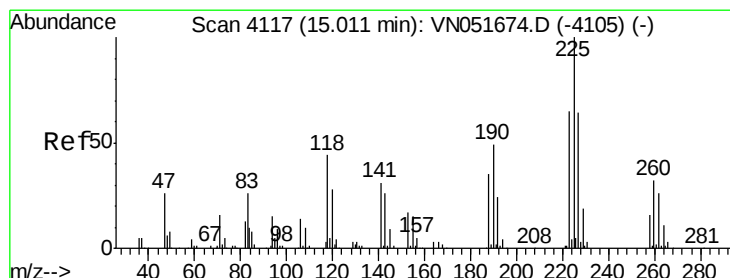
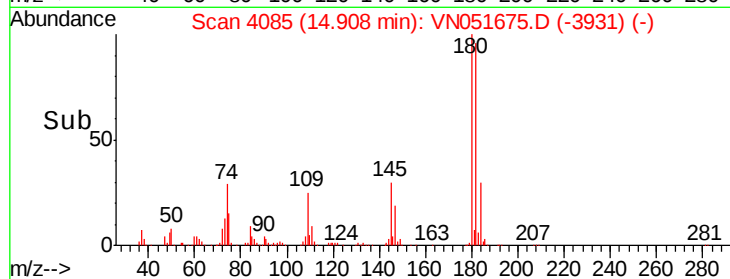
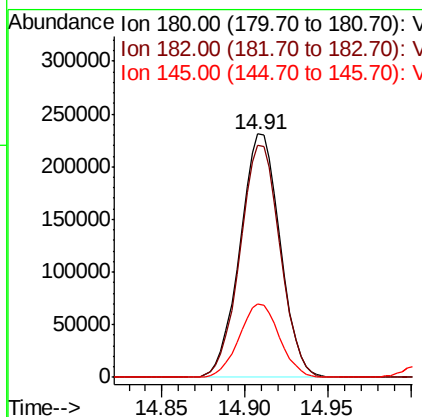
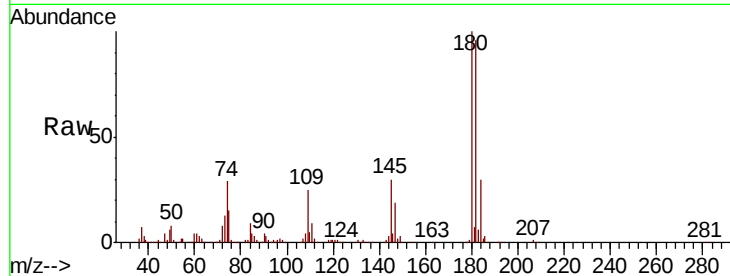
#89
 1,2,4-Trichlorobenzene
 Concen: 49.488 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	387397		
182	95.6	77.7	116.5	
145	30.4	23.4	35.2	

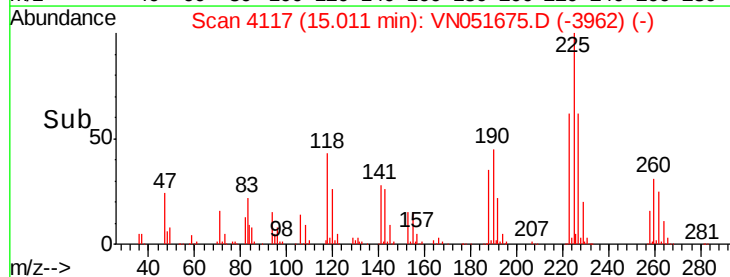
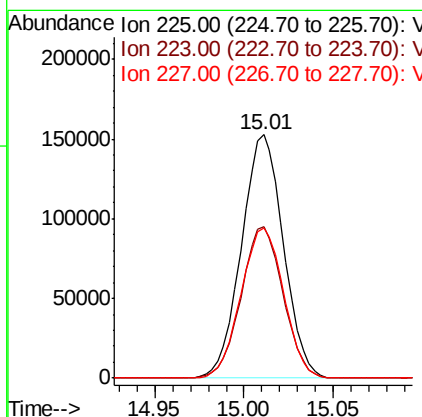
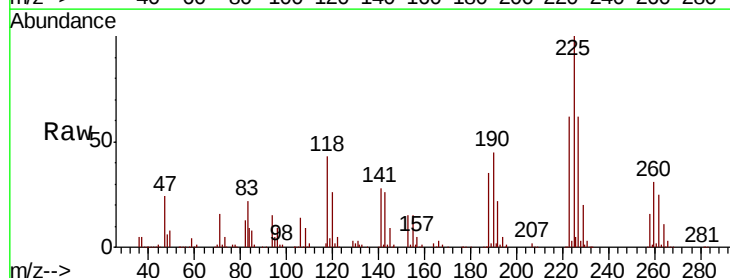
Manual Integrations
 APPROVED

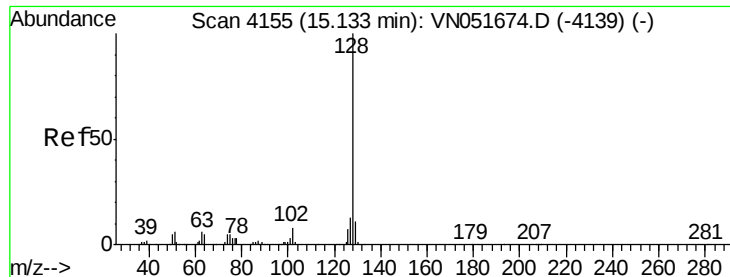
MMDadoda
 10/8/2018 3:58:47 PM



#90
 Hexachlorobutadiene
 Concen: 40.582 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051675.D
 Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	249774		
223	62.5	0.0	117.0	
227	62.9	0.0	127.0	





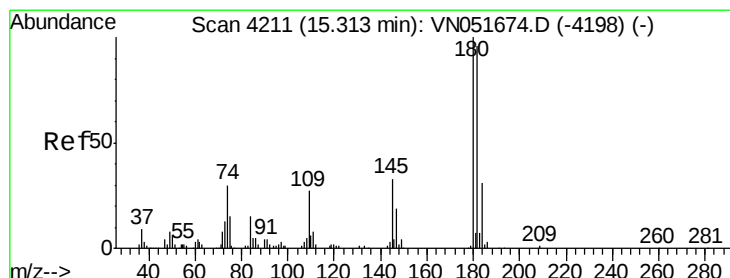
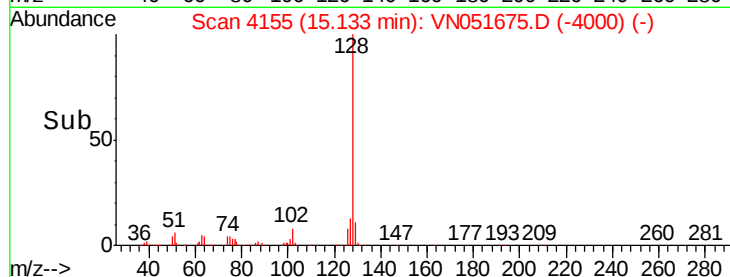
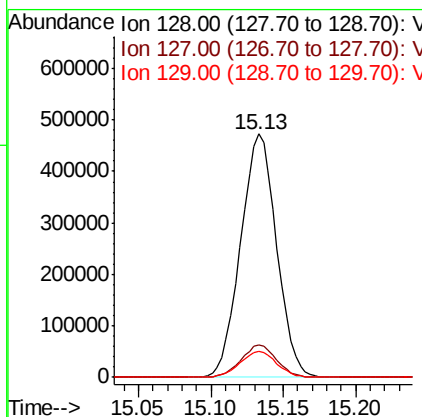
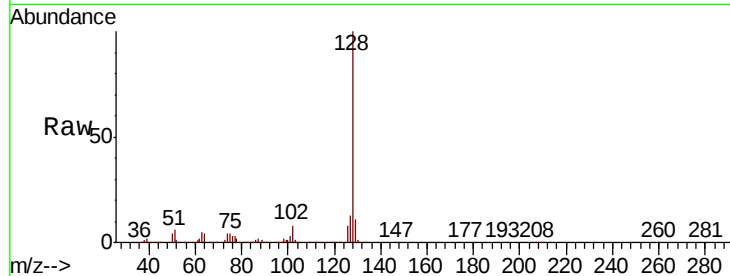
#91
Naphthalene
Concen: 56.647 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:47 PM



#92
1,2,3-Trichlorobenzene
Concen: 46.979 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051675.D
Acq: 5 Oct 2018 10:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	0.0	198.0
145	30.9	0.0	36.8

