

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051978.D
 Acq On : 24 Oct 2018 10:38
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

apatel
 10/25/2018 9:23:45 AM

Quant Time: Oct 24 14:48:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162190	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	905933	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	810087	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	284201	28.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.00%
60) 4-Bromofluorobenzene	12.40	95	348322	29.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.40%
63) Toluene-d8	10.09	98	1046084	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	125187	19.867 ug/l	99
3) Chloromethane	2.06	50	109608	16.459 ug/l	100
4) Vinyl Chloride	2.19	62	143789	14.458 ug/l	97
5) Bromomethane	2.57	94	141313	16.082 ug/l	85
6) Chloroethane	2.71	64	105780	14.759 ug/l	98
7) Trichlorofluoromethane	3.02	101	257158	18.137 ug/l	94
8) Diethyl Ether	3.42	74	77587	18.797 ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.77	101	157442	19.499 ug/l #	40
10) 1,1-Dichloroethene	3.74	96	142833	19.128 ug/l	81
11) Methyl Iodide	3.96	142	241066	22.207 ug/l	97
12) Methyl Acetate	4.33	43	90126	19.436 ug/l	93
13) Acrolein	3.61	56	12202m	39.939 ug/l	
14) Acrylonitrile	4.99	53	189179	91.283 ug/l #	61
15) Acetone	3.82	58	46841	91.431 ug/l	96
16) Carbon Disulfide	4.06	76	322201	16.429 ug/l	99
17) Allyl chloride	4.33	41	131671	14.852 ug/l	74
18) Methylene Chloride	4.55	84	160610	19.236 ug/l #	86
19) trans-1,2-Dichloroethene	5.05	96	158715	18.614 ug/l #	81
20) Diisopropyl ether	5.95	45	340633	17.252 ug/l #	83
21) 1,1-Dichloroethane	5.85	63	246462	17.864 ug/l #	98
22) cis-1,2-Dichloroethene	6.83	96	189224	18.894 ug/l #	78
23) tert-Butyl Alcohol	4.78	59	40427	74.067 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	375055	17.433 ug/l #	68
25) Chloroform	7.37	83	303678	18.554 ug/l	99
26) Cyclohexane	7.66	56	192336	16.444 ug/l #	66
29) 1,1-Dichloropropene	7.79	75	206841	17.713 ug/l	94
30) 2-Butanone	6.84	43	213358	87.415 ug/l #	87
31) 2,2-Dichloropropane	6.83	77	229393	16.699 ug/l #	74
32) 1,1,1-Trichloroethane	7.57	97	275756	17.811 ug/l #	94
33) Carbon Tetrachloride	7.78	117	242398	17.305 ug/l	92
34) Benzene	8.04	78	631233	18.274 ug/l #	67
35) Methacrylonitrile	7.17	41	40352	12.584 ug/l #	71
36) 1,2-Dichloroethane	8.13	62	201570	18.212 ug/l #	94
37) Trichloroethene	8.84	130	201508	18.793 ug/l	94
38) Methylcyclohexane	9.08	83	252681	16.871 ug/l	77
39) 1,2-Dichloropropane	9.12	63	145352	17.868 ug/l	93
40) Dibromomethane	9.21	93	116245	19.254 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	212080	17.007	ug/l	96
42) Vinyl Acetate	5.90	43	1138998	82.898	ug/l #	87
43) Ethyl Acetate	6.93	43	90760	17.125	ug/l	97
44) Isopropyl Acetate	8.17	43	173163	16.358	ug/l	96
45) 1,4-Dioxane	9.20	88	26383	310.395	ug/l #	75
46) Methyl methacrylate	9.20	41	84044	17.213	ug/l	76
47) n-amyl Acetate	12.07	43	154555	17.441	ug/l #	69
48) t-1,3-Dichloropropene	10.38	75	194572	16.000	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	231252	17.250	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	156027	18.704	ug/l	94
51) Ethyl methacrylate	10.43	69	167547	17.544	ug/l	83
52) 1,3-Dichloropropane	10.71	76	234949	18.249	ug/l	98
53) Dibromochloromethane	10.90	129	170963	16.567	ug/l	95
54) 1,2-Dibromoethane	11.00	107	165667	18.921	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	495487	121.364	ug/l #	91
56) Bromoform	12.13	173	100898	14.825	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	486662	89.772	ug/l #	86
59) 2-Hexanone	10.75	43	341676	93.424	ug/l #	89
61) Tetrachloroethene	10.63	164	189174	18.260	ug/l	97
62) Toluene	10.16	91	752894	18.708	ug/l	99
64) Chlorobenzene	11.43	112	507957	19.272	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	187117	18.496	ug/l	98
66) Ethyl Benzene	11.51	91	820534	18.448	ug/l	98
67) m/p-Xylenes	11.62	106	660441	36.626	ug/l	95
68) o-Xylene	11.95	106	324425	18.250	ug/l	86
69) Styrene	11.96	104	507885	18.621	ug/l	95
70) Isopropylbenzene	12.25	105	854013	18.015	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	175085	18.702	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	145548m	19.763	ug/l	
73) Bromobenzene	12.53	156	228826	19.488	ug/l	80
74) n-propylbenzene	12.59	91	919591	18.034	ug/l	94
75) 2-Chlorotoluene	12.67	91	540354	18.076	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	692069	17.655	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	36506	14.988	ug/l	97
78) 4-Chlorotoluene	12.77	91	549905	18.723	ug/l	91
79) tert-butylbenzene	12.99	119	649052	18.004	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	710072	18.124	ug/l	96
81) sec-Butylbenzene	13.17	105	851379	18.053	ug/l	98
82) p-Isopropyltoluene	13.29	119	758320	17.970	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	412936	19.931	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	400006	20.508	ug/l	98
85) n-Butylbenzene	13.61	91	584592	18.371	ug/l	94
86) Hexachloroethane	13.87	117	106813	14.679	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	398157	19.850	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22046	15.769	ug/l #	56
89) 1,2,4-Trichlorobenzene	14.91	180	196764	22.590	ug/l	99
90) Hexachlorobutadiene	15.01	225	114436	17.703	ug/l	97
91) Naphthalene	15.13	128	394041	22.896	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	173614	19.024	ug/l	93

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QLast Update : Fri Oct 12 10:23:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

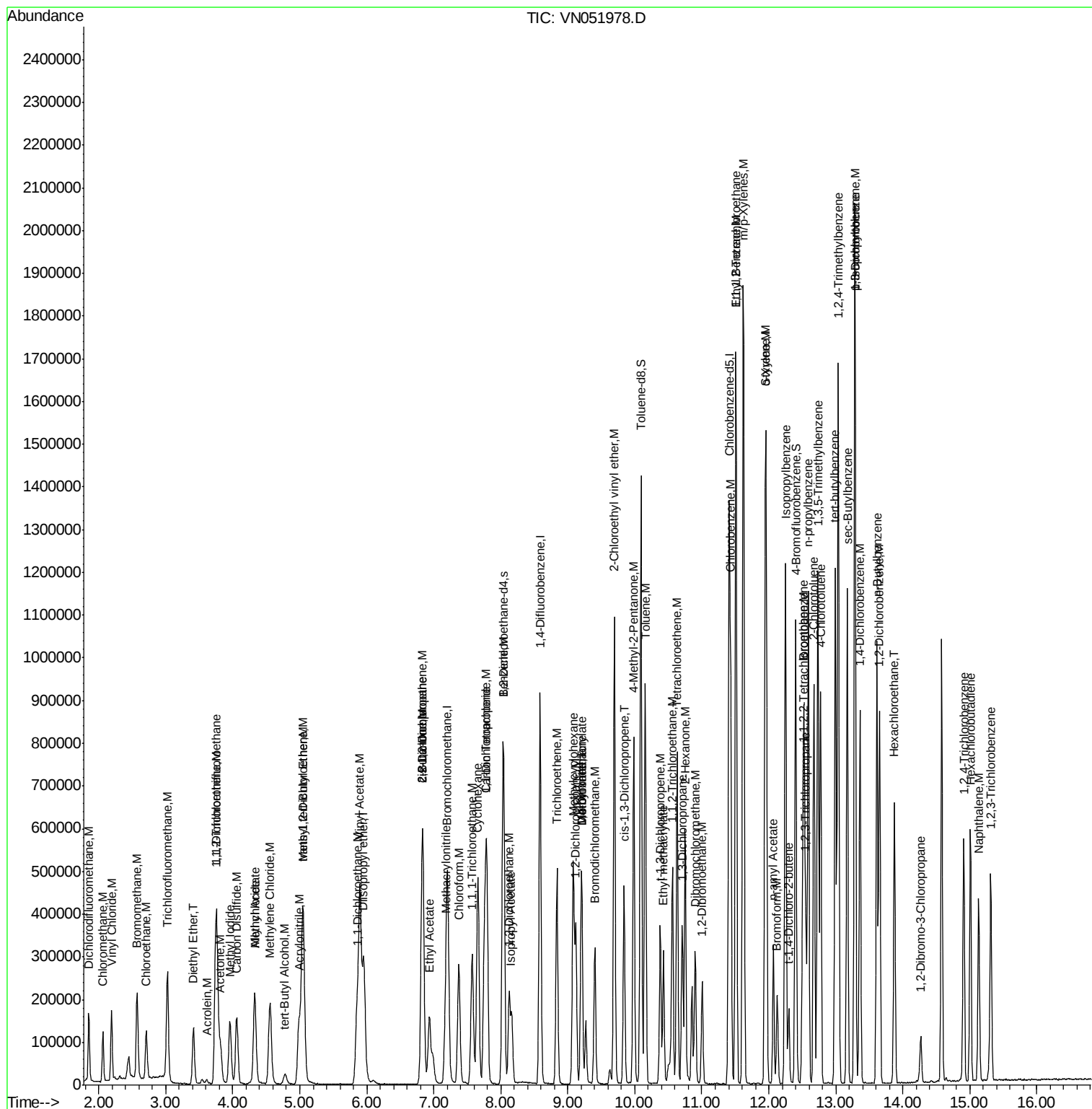
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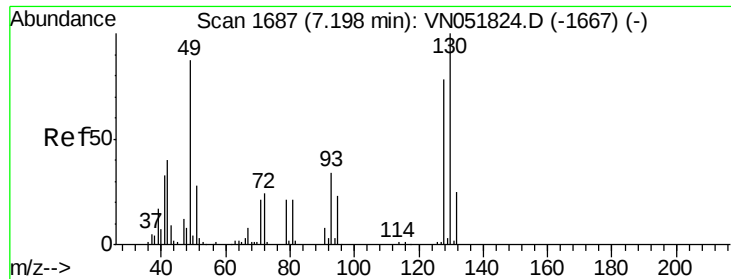
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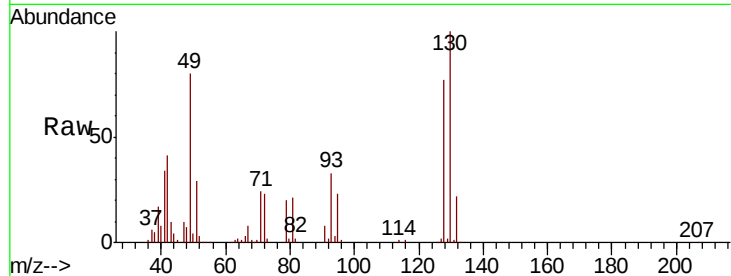
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
128	100	162190		
49	104.6	0.0	403.3	
130	130.2	0.0	326.0	

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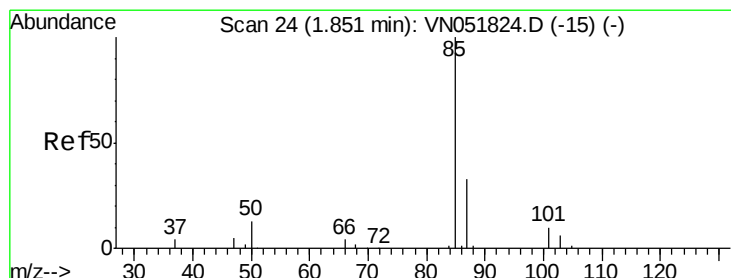
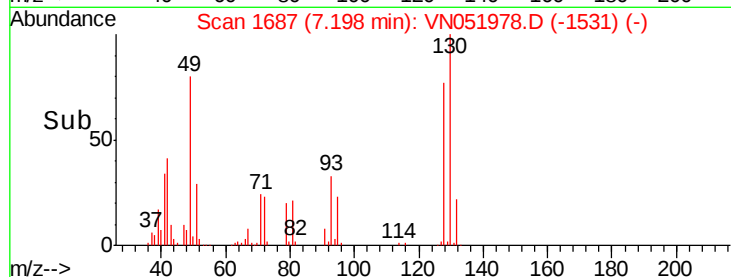
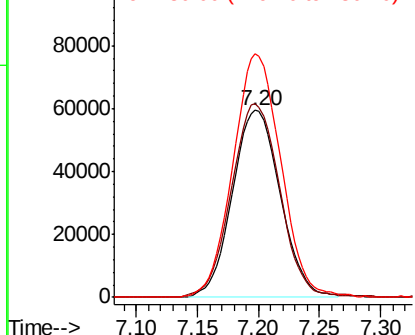


Abundance

Ion 128.00 (127.70 to 128.70): V

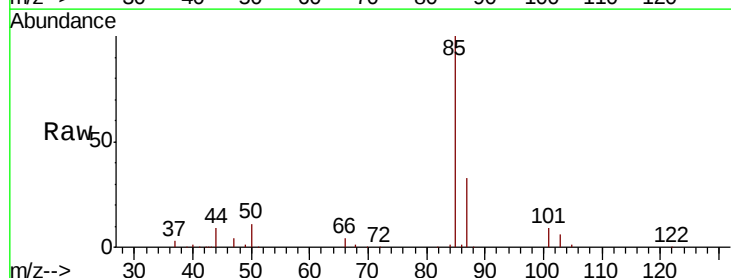
Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 19.867 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

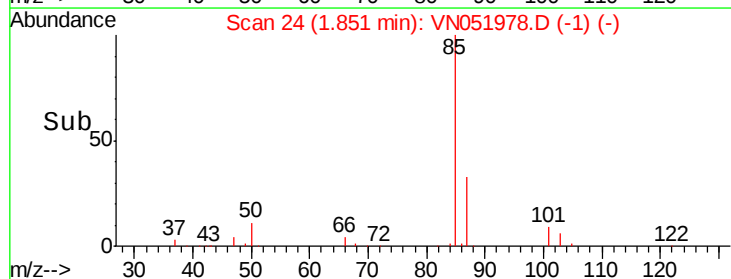
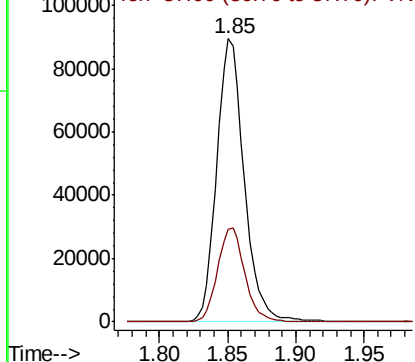
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	125187		
87	32.9	16.3	48.8	

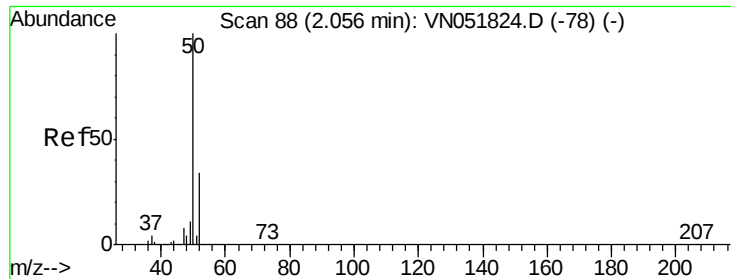


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.459 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

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Tot Ion: 50 Resp: 109608

Ion Ratio Lower Upper

50 100

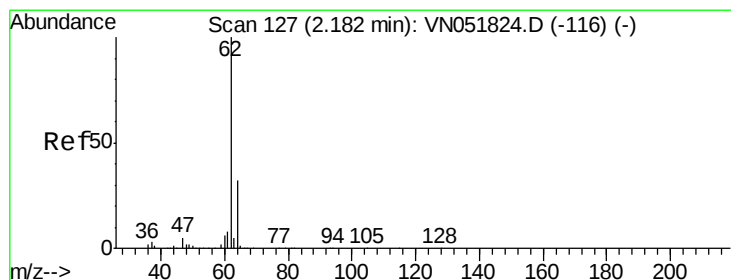
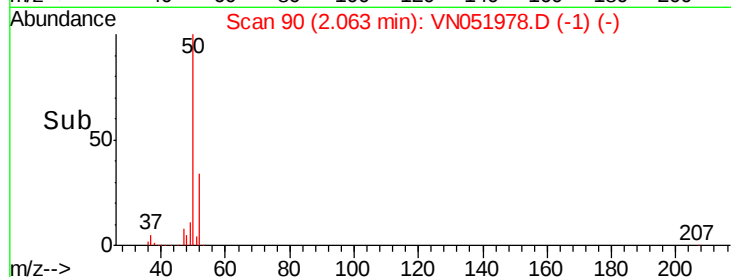
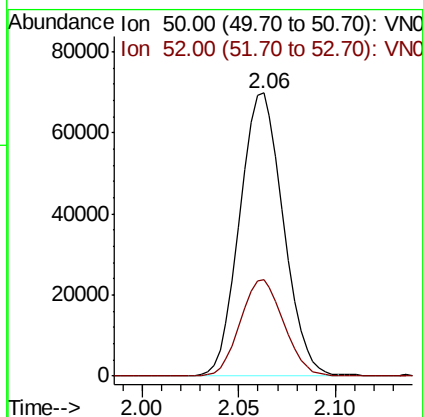
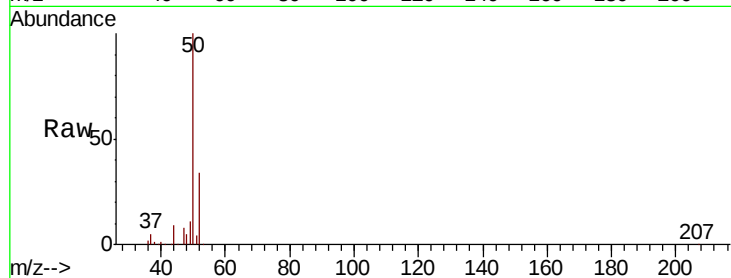
52 34.2 27.2 40.8

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#4

Vinyl Chloride

Concen: 14.458 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051978.D

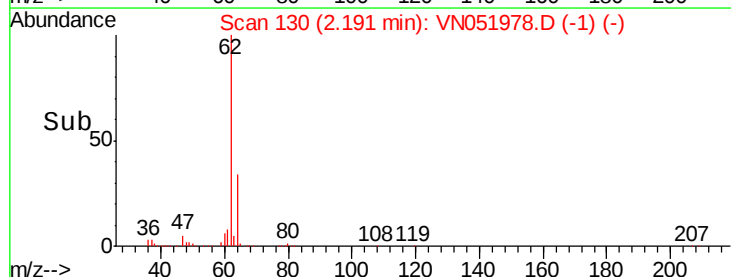
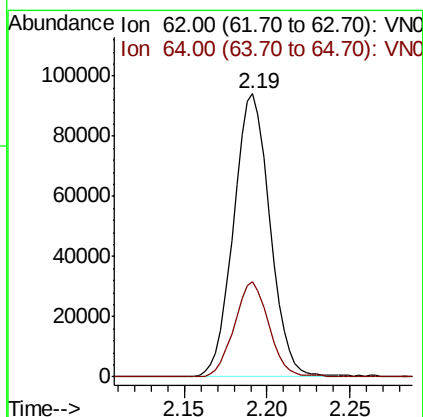
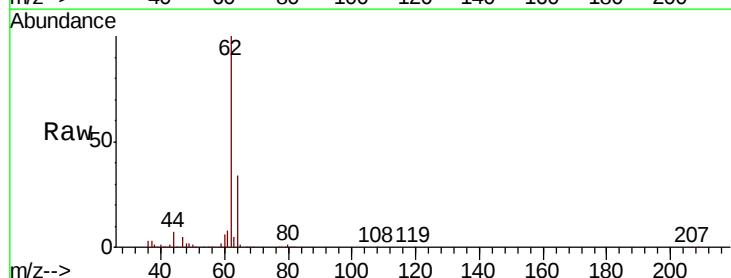
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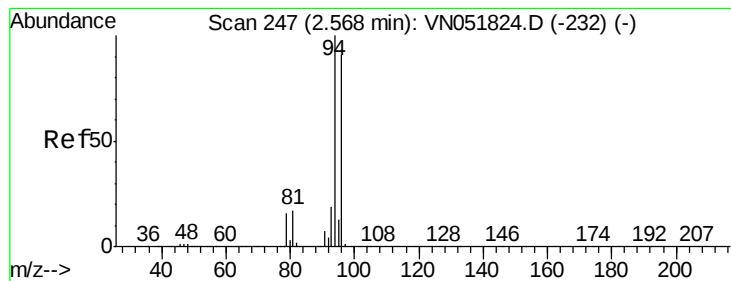
Tgt Ion: 62 Resp: 143789

Ion Ratio Lower Upper

62 100

64 33.6 25.4 38.2





#5

Bromomethane

Concen: 16.082 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051978.D

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Tot Ion: 94 Resp: 141313

Ion Ratio Lower Upper

94 100

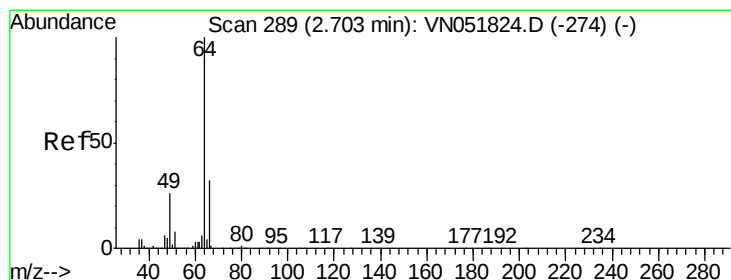
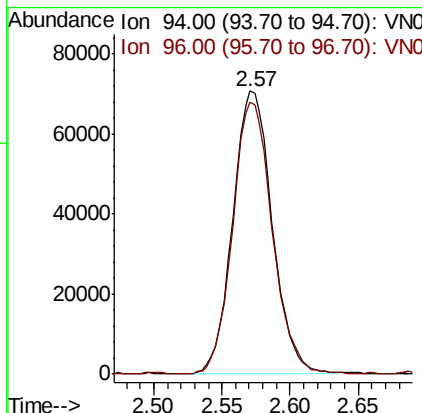
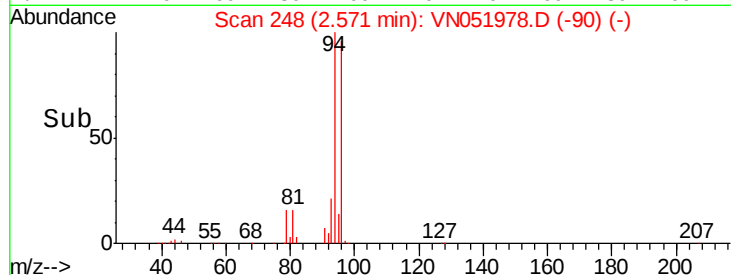
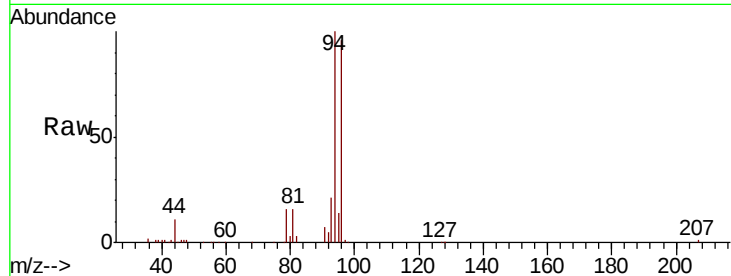
96 96.5 66.4 99.6

Manual Integrations

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#6

Chloroethane

Concen: 14.759 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN051978.D

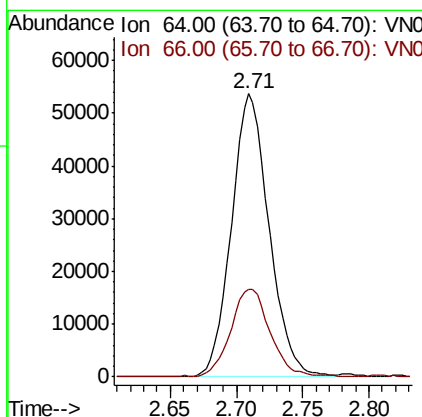
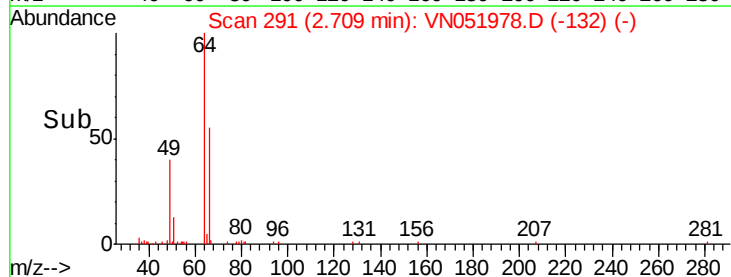
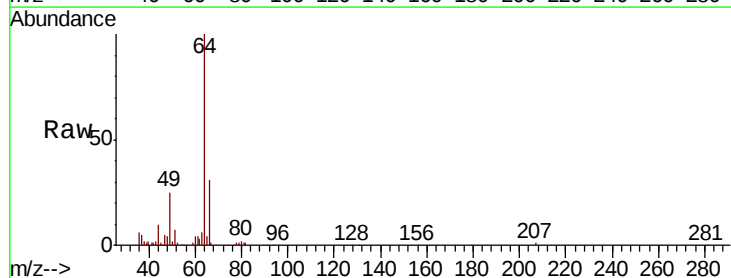
Acq: 24 Oct 2018 10:38

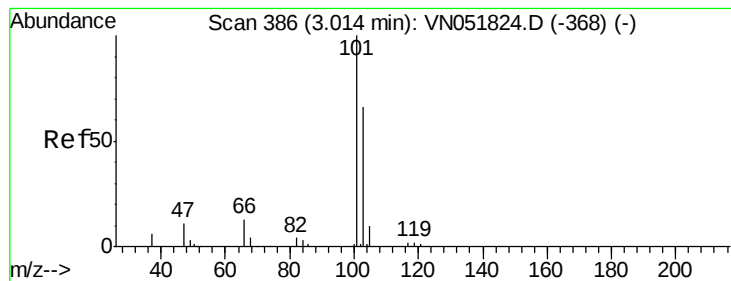
Tgt Ion: 64 Resp: 105780

Ion Ratio Lower Upper

64 100

66 31.0 25.8 38.6





#7

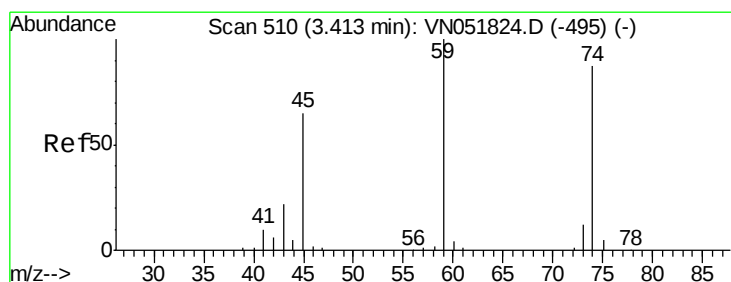
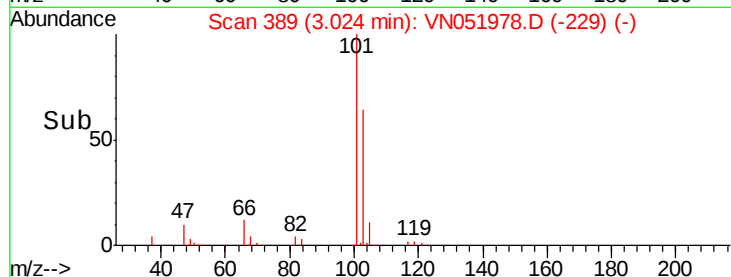
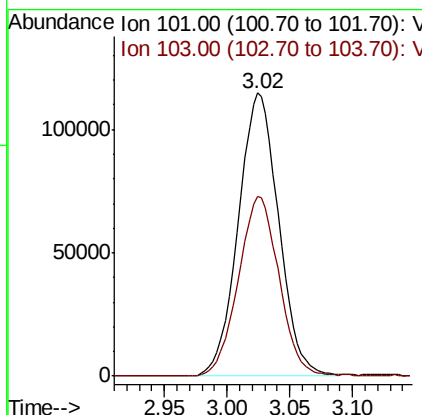
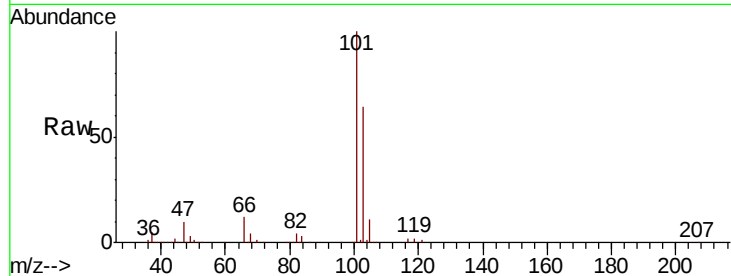
Trichlorofluoromethane
 Concen: 18.137 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN051978.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	257158		
103	63.7	54.8	82.2	

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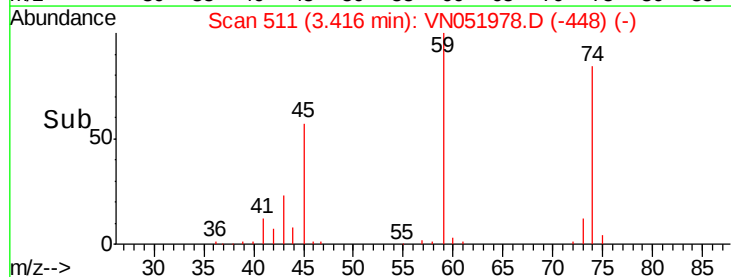
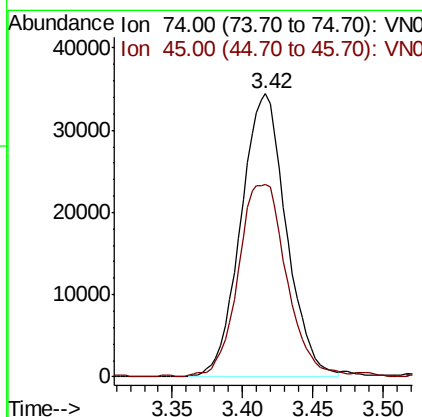
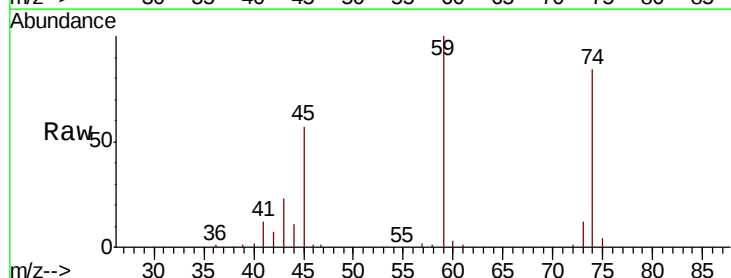
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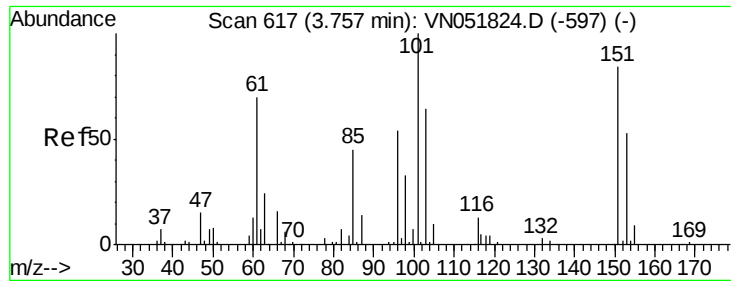


#8

Diethyl Ether
 Concen: 18.797 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	77587		
45	72.4	20.7	186.5	





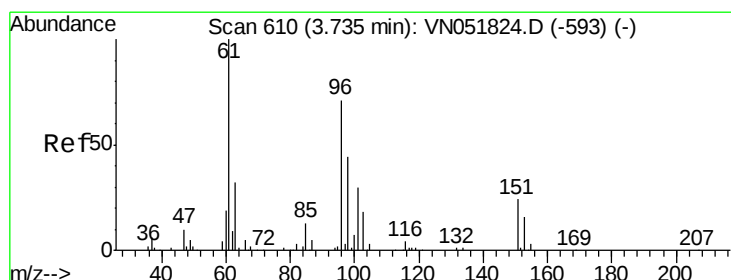
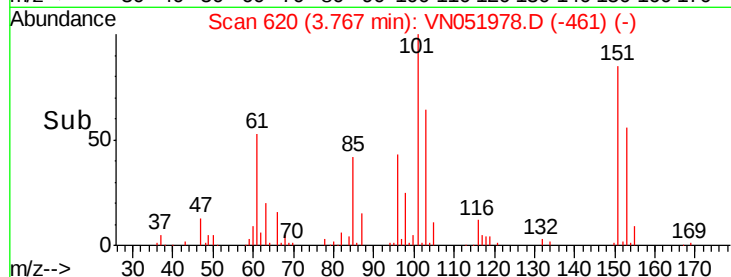
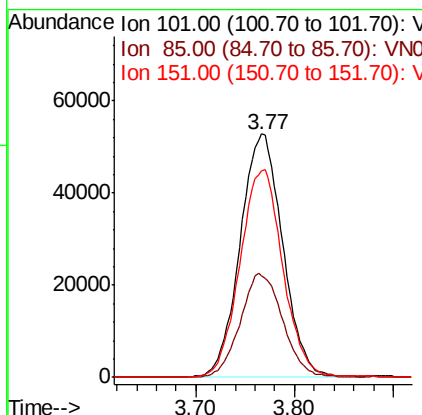
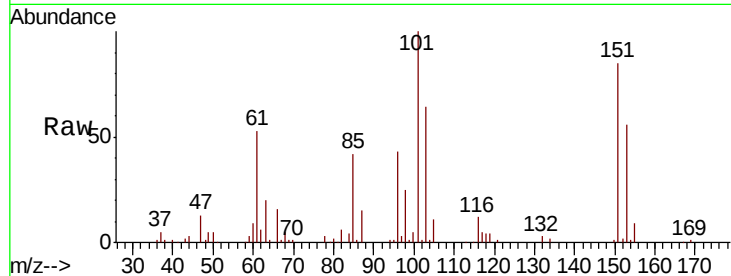
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.499 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.6	0.0	46.0
151	85.9	0.0	82.2

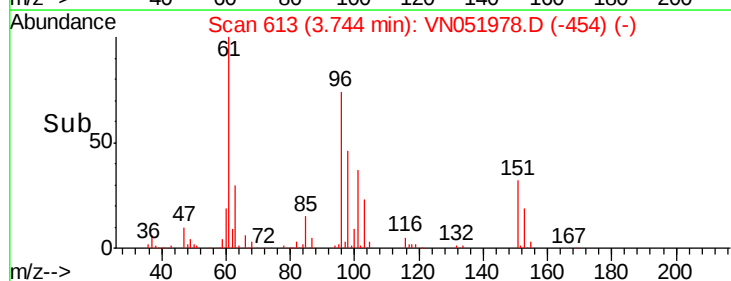
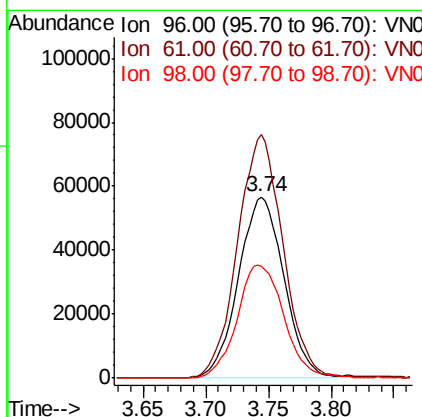
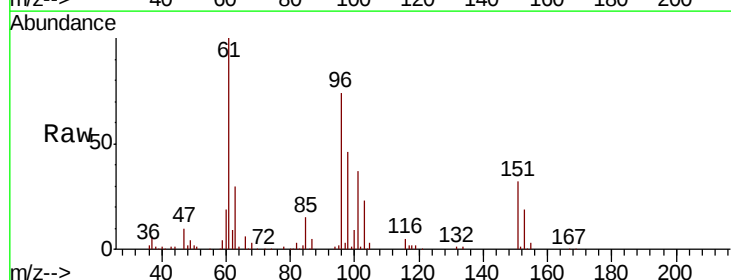
Manual Integrations
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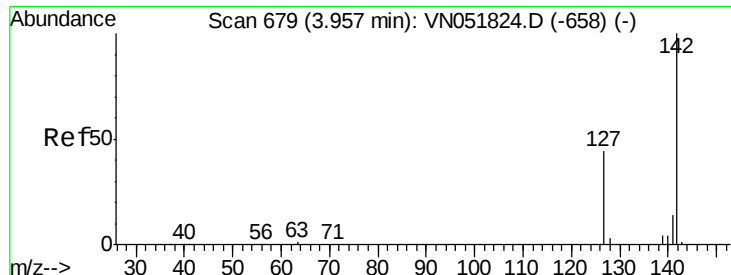
apatel
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#10
 1,1-Dichloroethene
 Concen: 19.128 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	133.9	133.0	199.6
98	61.5	52.6	78.8





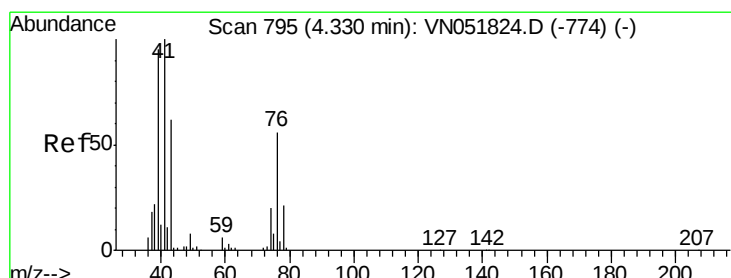
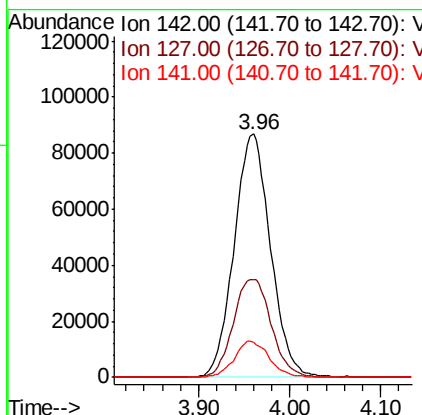
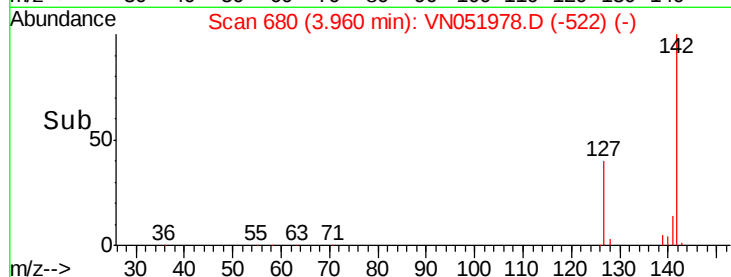
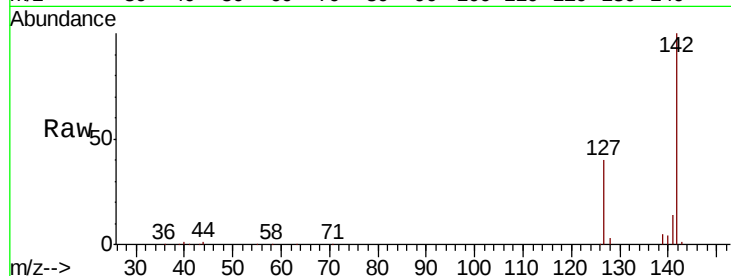
#11
Methyl Iodide
Concen: 22.207 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.4	19.7	59.0
141	14.5	6.3	18.9

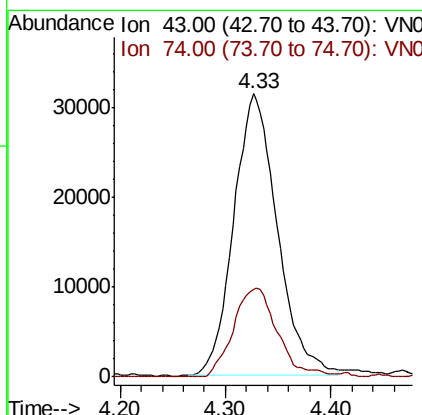
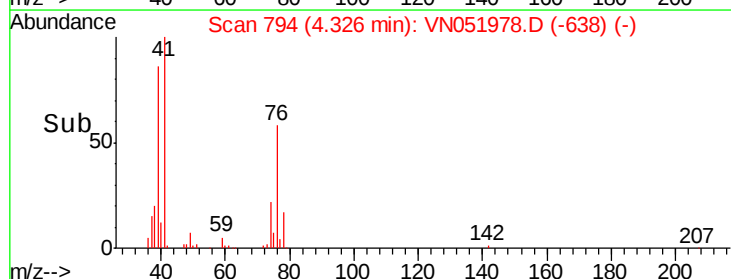
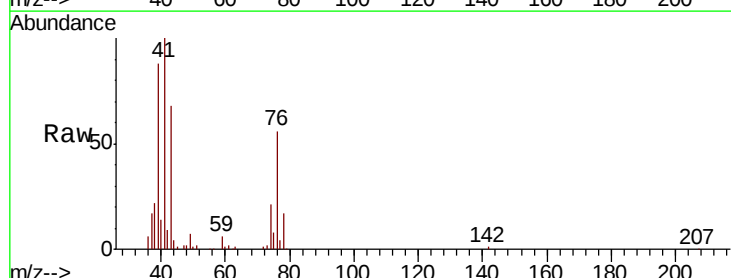
Manual Integrations
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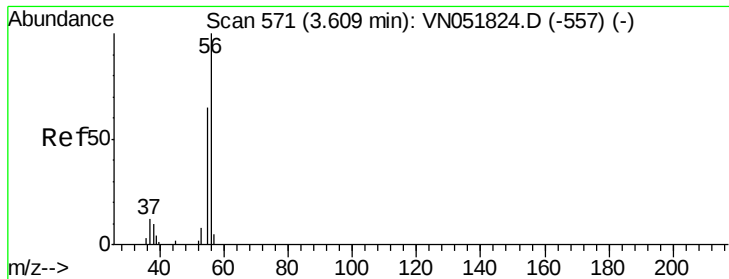
apatel
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#12
Methyl Acetate
Concen: 19.436 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.0	21.8	32.6





#13

Acrolein

Concen: 39.939 ug/l m

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 12202

Ion Ratio Lower Upper

56 100

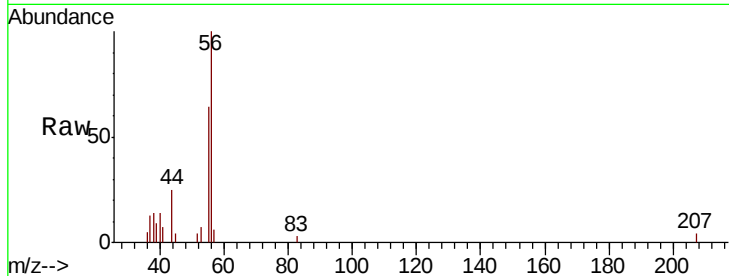
55 42.0 64.0 96.0#

Manual Integrations

APPROVED

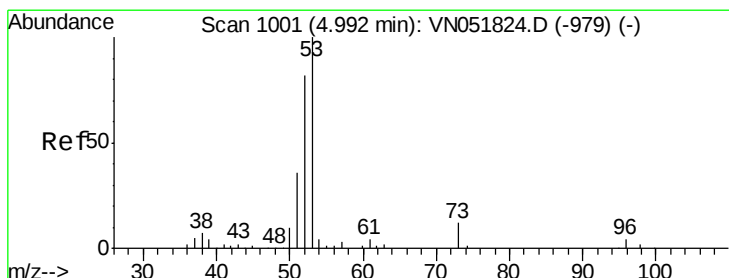
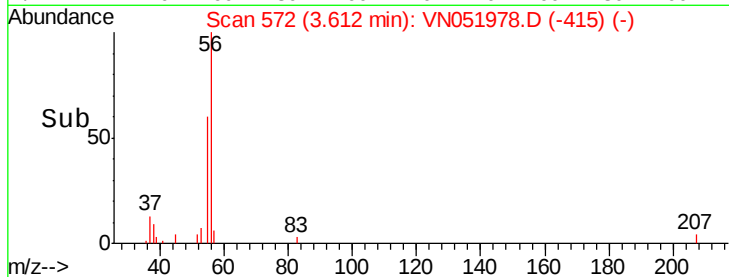
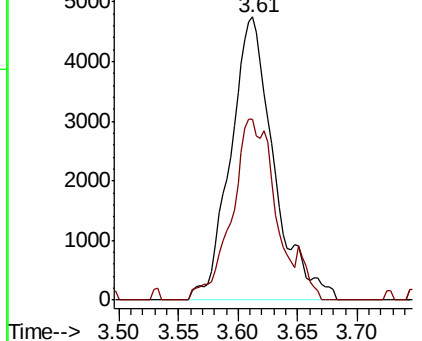
apatel

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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: 91.283 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

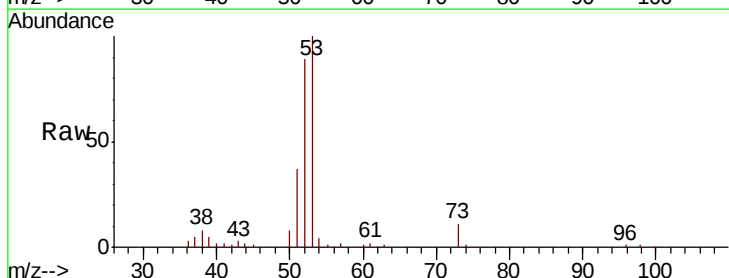
Tgt Ion: 53 Resp: 189179

Ion Ratio Lower Upper

53 100

52 82.8 18.3 54.8#

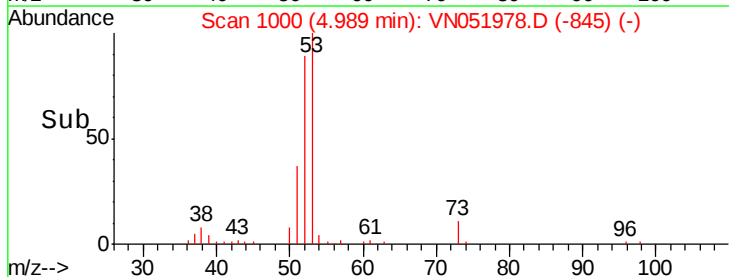
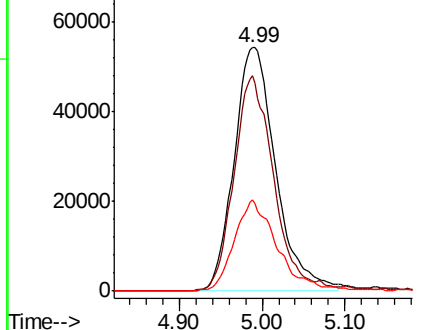
51 37.9 19.7 59.1

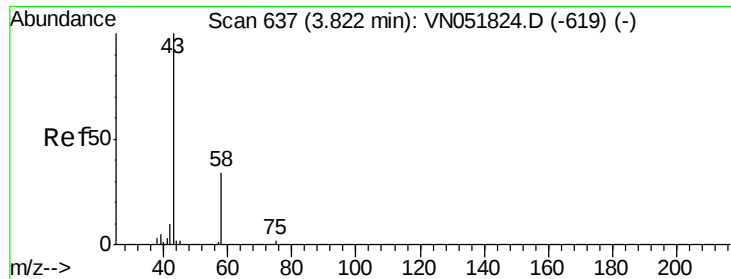


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 91.431 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 46841

Ion Ratio Lower Upper

58 100

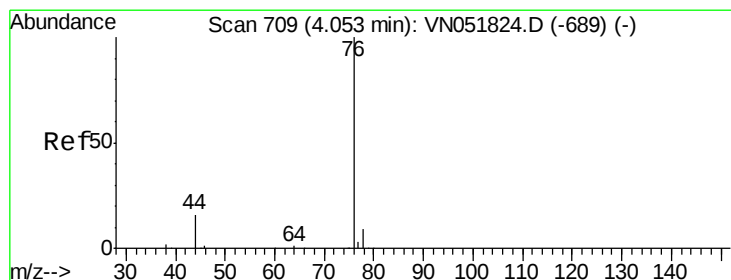
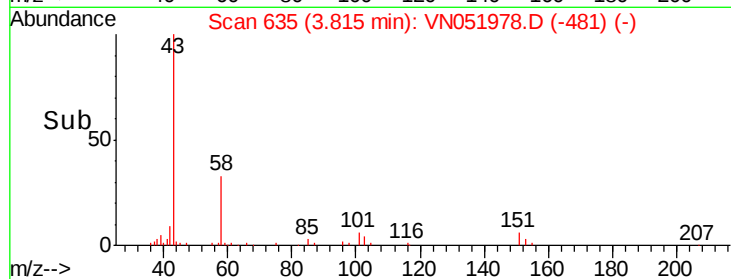
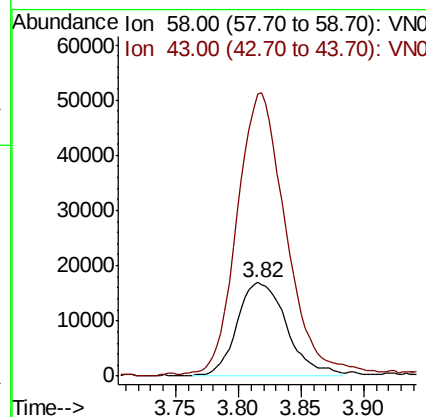
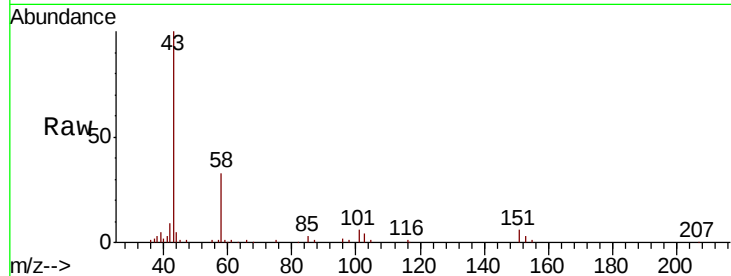
43 297.1 232.2 348.2

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#16

Carbon Disulfide

Concen: 16.429 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051978.D

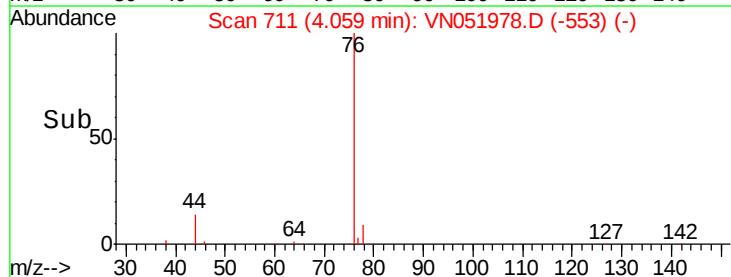
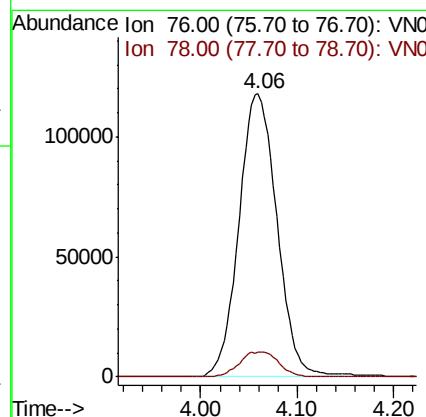
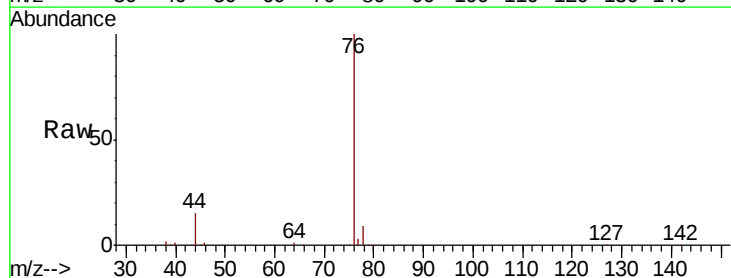
Acq: 24 Oct 2018 10:38

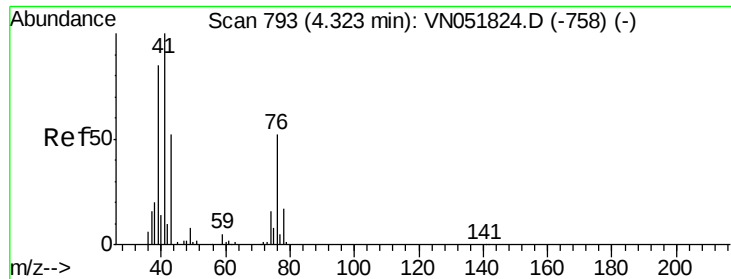
Tgt Ion: 76 Resp: 322201

Ion Ratio Lower Upper

76 100

78 8.6 6.7 10.1





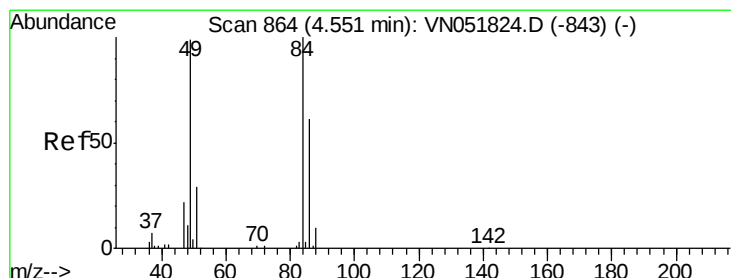
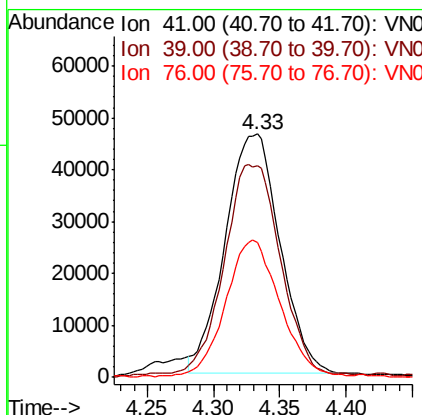
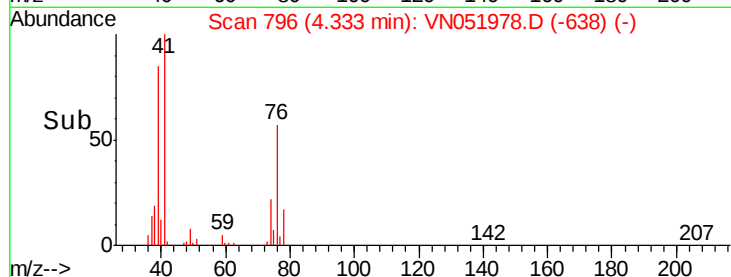
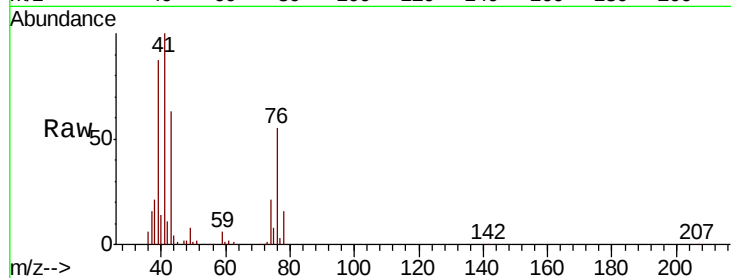
#17
Allvl chloride
Concen: 14.852 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	86.5	32.6	97.8
76	55.0	20.2	60.5

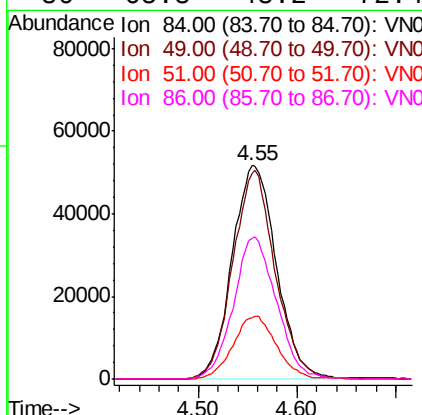
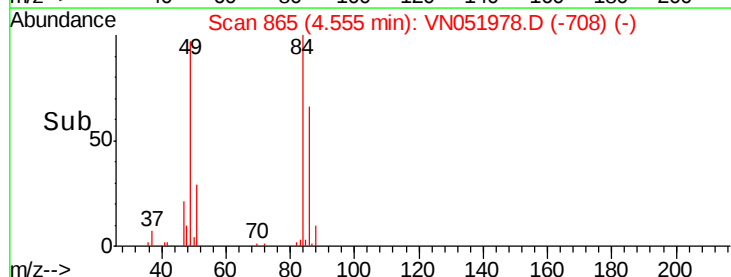
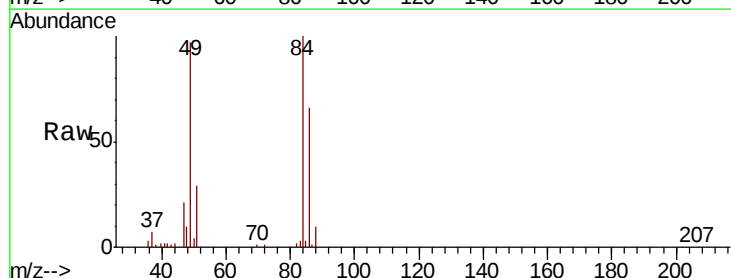
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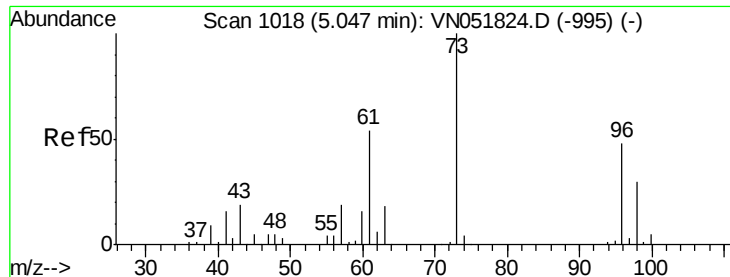
apatel
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#18
Methylene Chloride
Concen: 19.236 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	96.5	91.6	137.4
51	28.5	29.8	44.6#
86	65.8	48.2	72.4





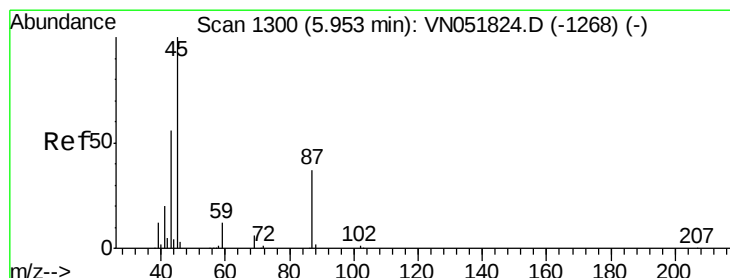
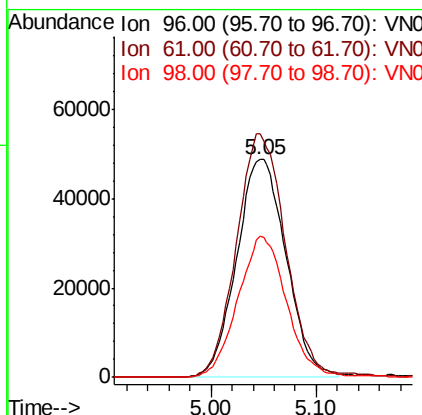
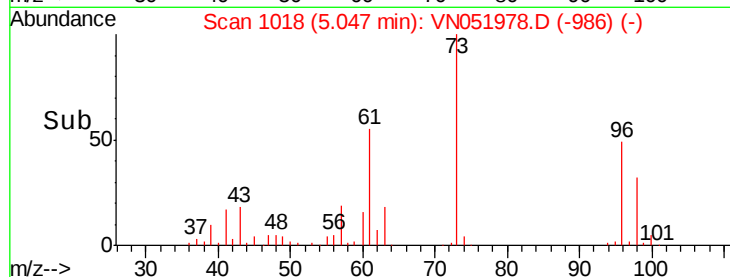
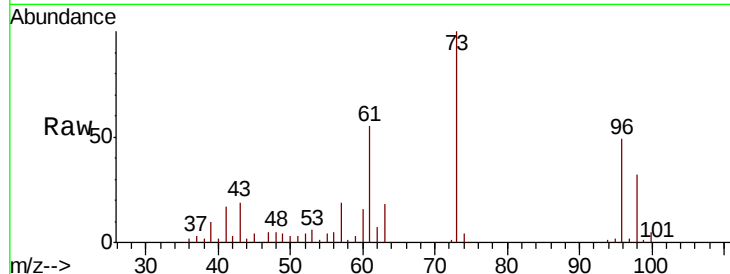
#19
trans-1,2-Dichloroethene
Concen: 18.614 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.7	112.3	168.5#
98	64.8	47.1	70.7

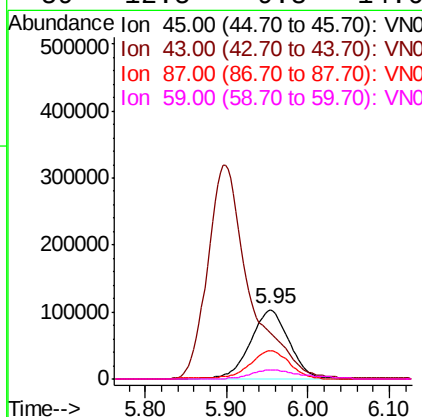
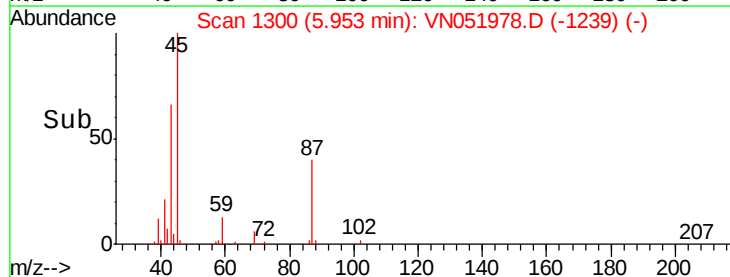
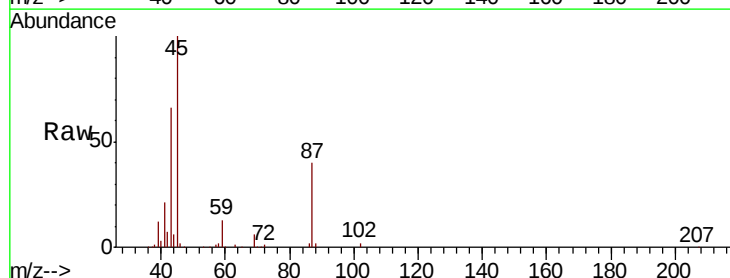
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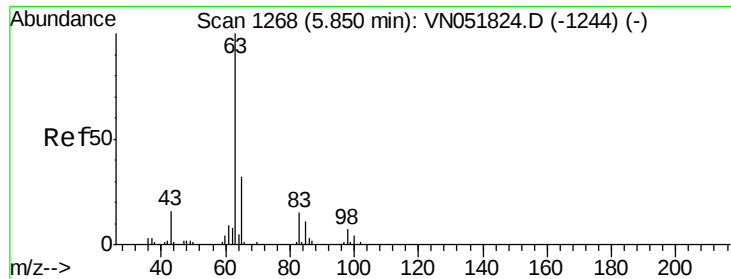
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#20
Diisopropyl ether
Concen: 17.252 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	62.1	93.1
87	39.6	19.9	29.9#
59	12.5	9.8	14.6





#21

1,1-Dichloroethane

Concen: 17.864 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

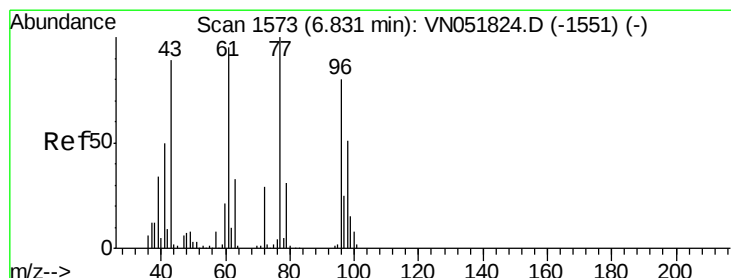
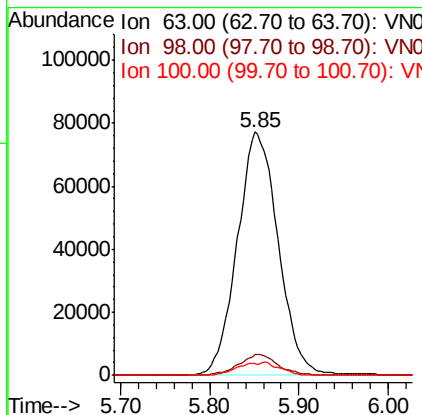
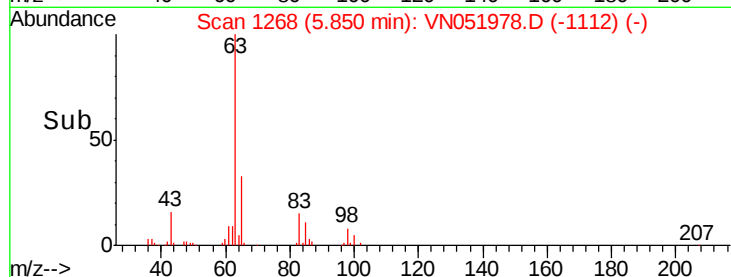
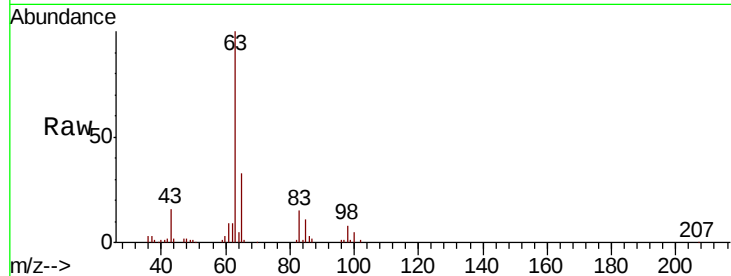
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	8.4	4.1	12.3
100	4.7	1.6	4.7#

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#22

cis-1,2-Dichloroethene

Concen: 18.894 ug/l

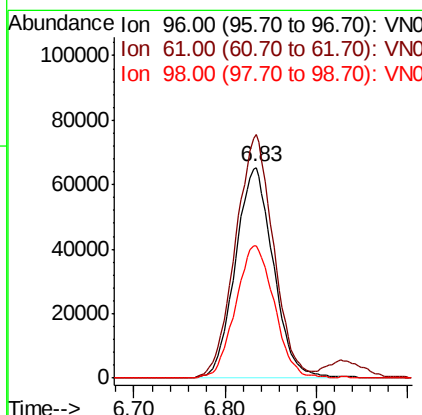
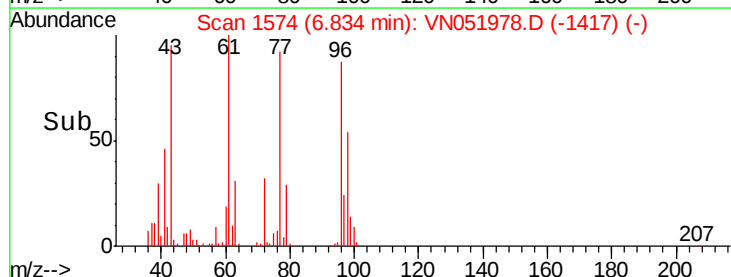
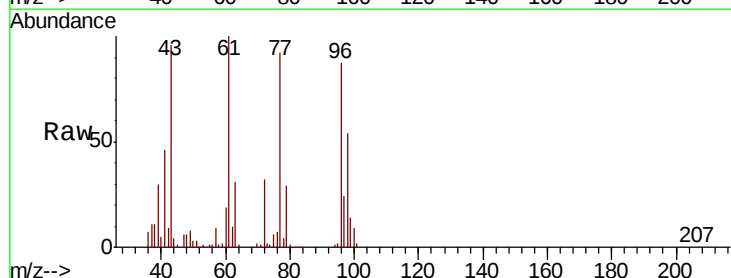
RT: 6.83 min Scan# 1574

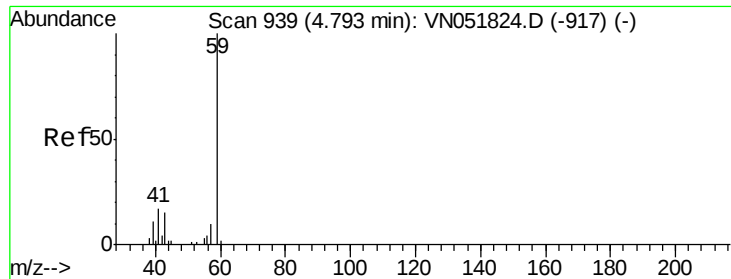
Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	116.1	124.5	186.7#
98	64.2	51.9	77.9





#23

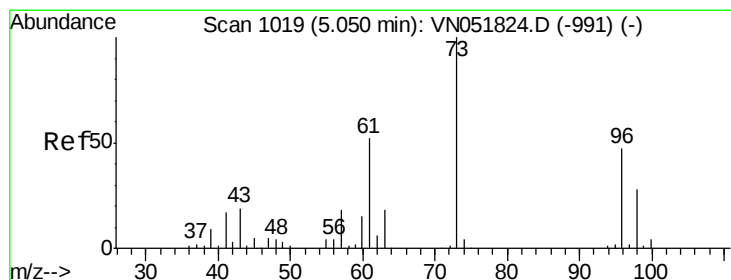
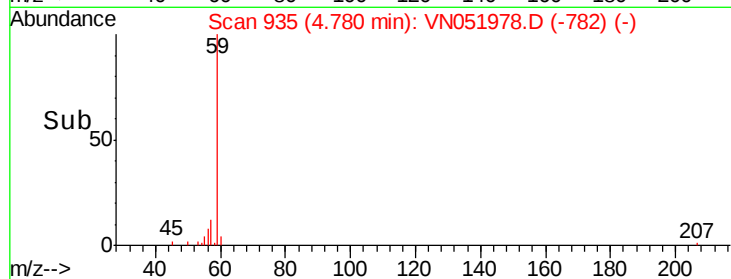
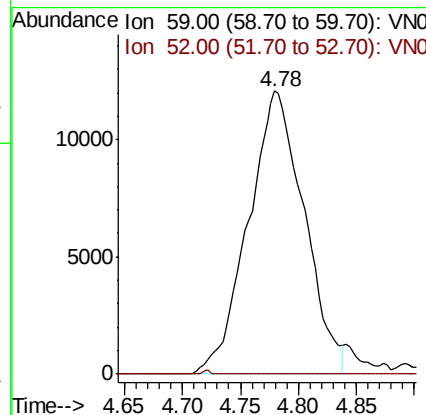
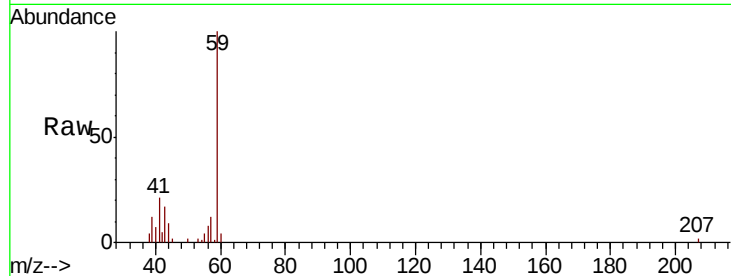
tert-Butyl Alcohol
Concen: 74.067 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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

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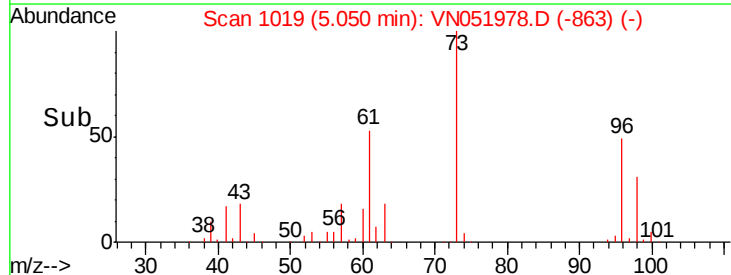
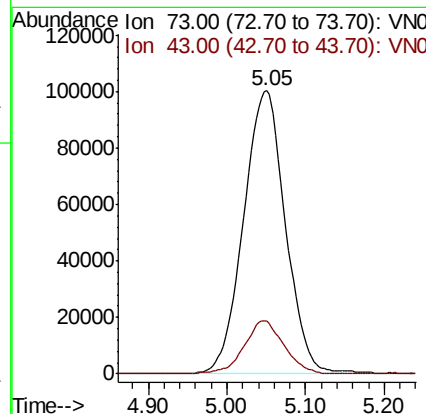
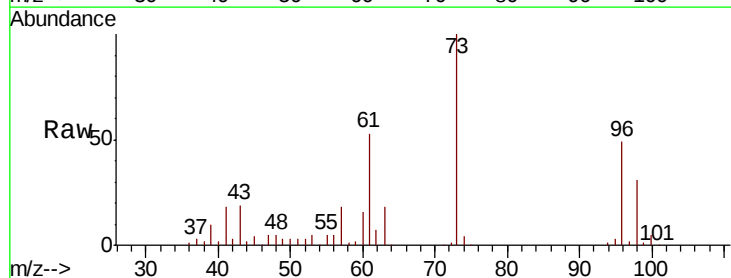
apatel
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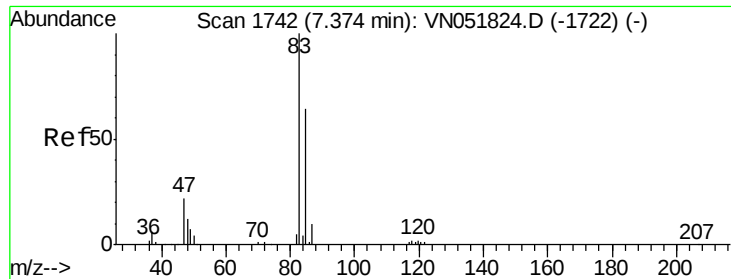


#24

Methyl tert-Butyl Ether
Concen: 17.433 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.7	5.4	8.0#





#25

Chloroform

Concen: 18.554 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 303678

Ion Ratio Lower Upper

83 100

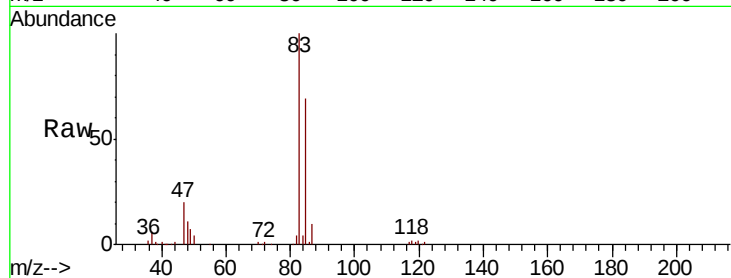
85 68.7 54.6 82.0

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Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 85.00 (84.70 to 85.70): VNO

7.37

120000

100000

80000

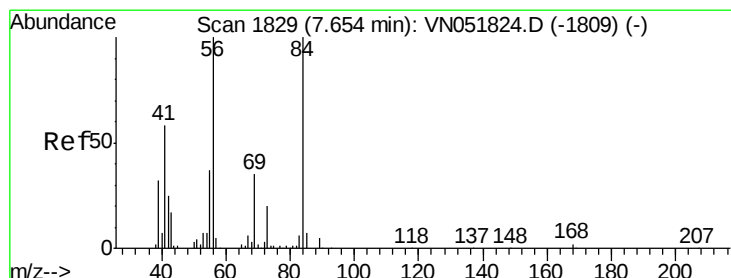
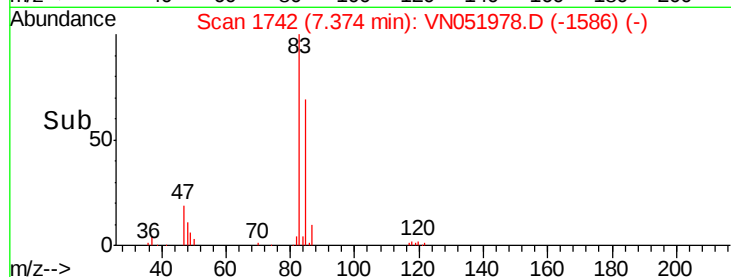
60000

40000

20000

0

Time-->



#26

Cyclohexane

Concen: 16.444 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

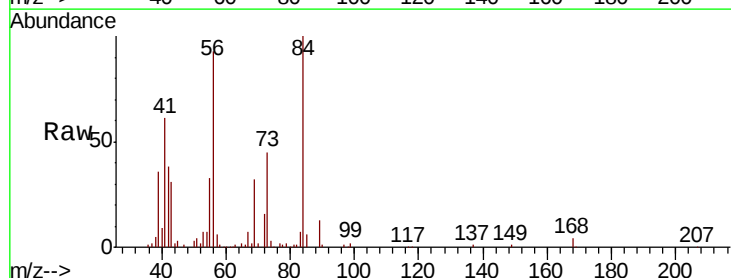
Tgt Ion: 56 Resp: 192336

Ion Ratio Lower Upper

56 100

89 14.6 1.5 2.3#

84 110.1 64.2 96.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

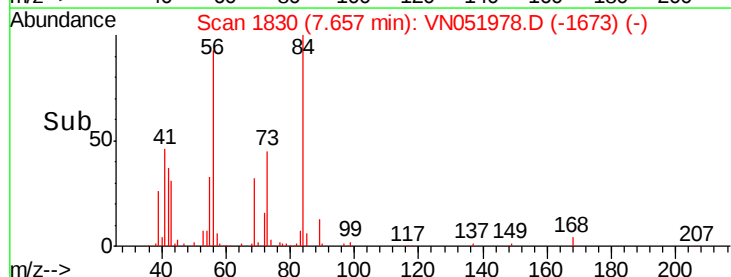
Ion 84.00 (83.70 to 84.70): VNO

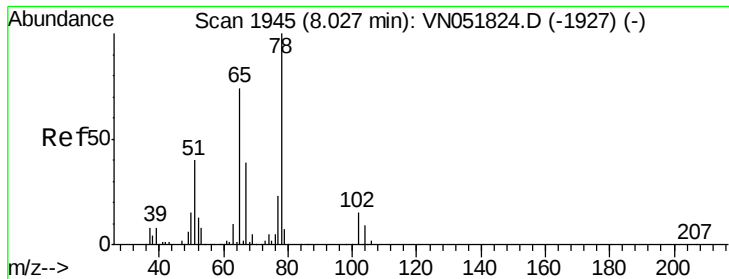
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 16.444 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 284201

Ion Ratio Lower Upper

65 100

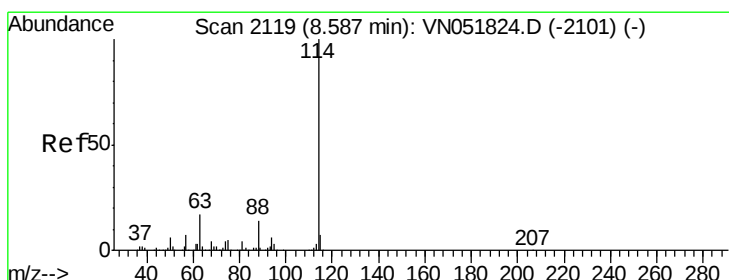
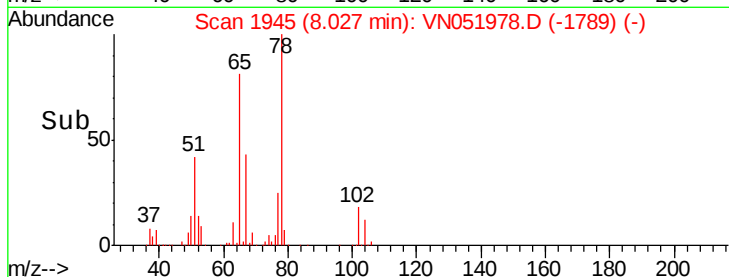
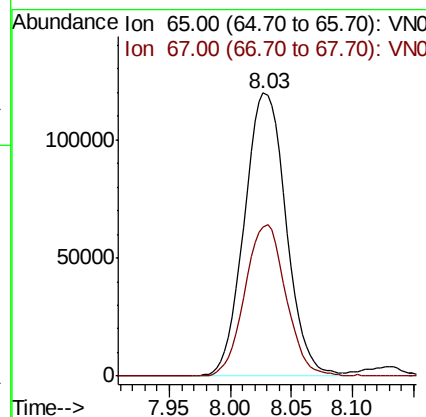
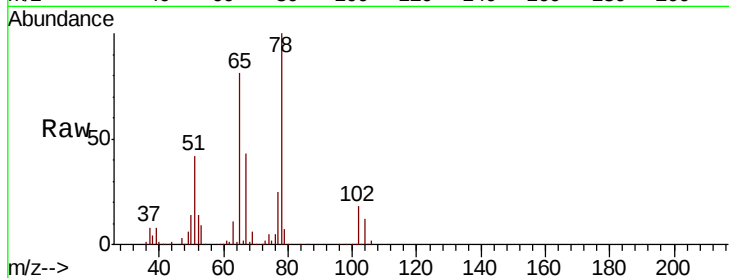
67 52.5 41.8 62.8

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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: VN051978.D

Acq: 24 Oct 2018 10:38

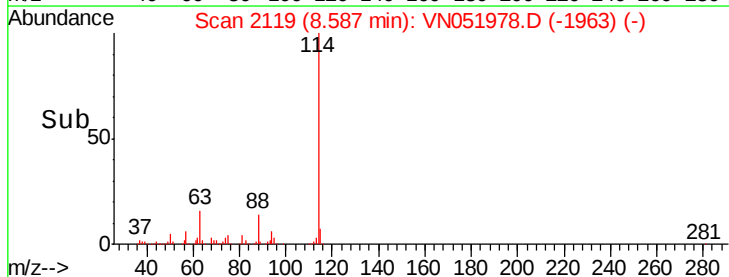
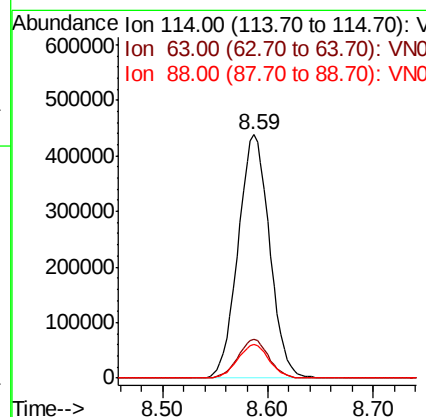
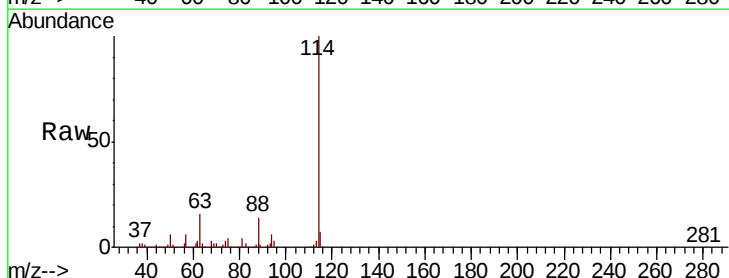
Tgt Ion: 114 Resp: 905933

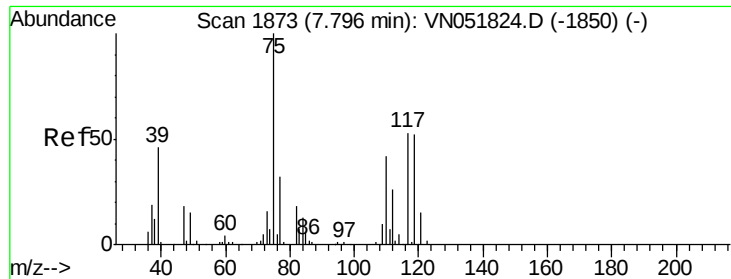
Ion Ratio Lower Upper

114 100

63 15.6 16.2 24.2#

88 13.8 12.2 18.4





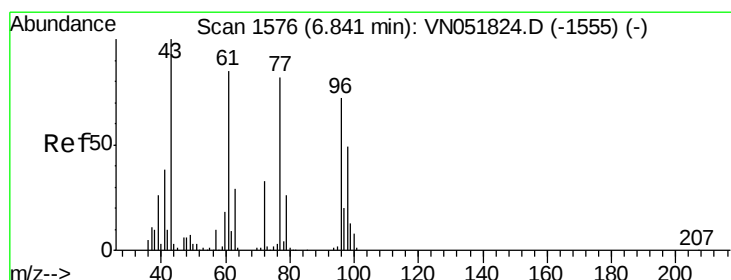
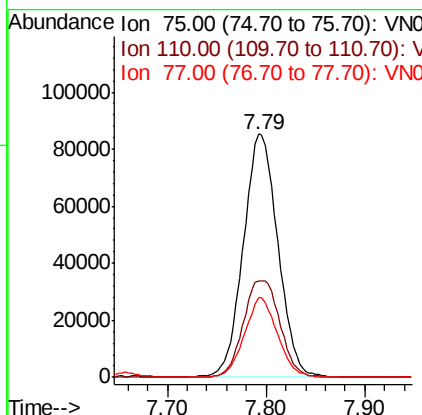
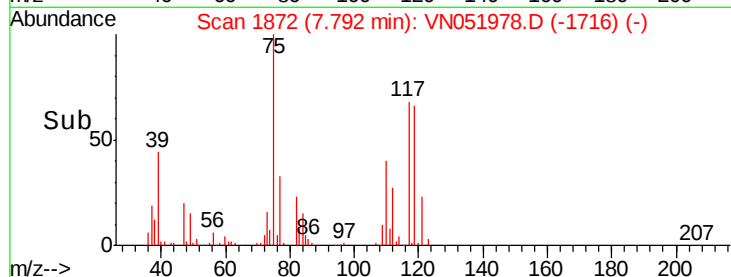
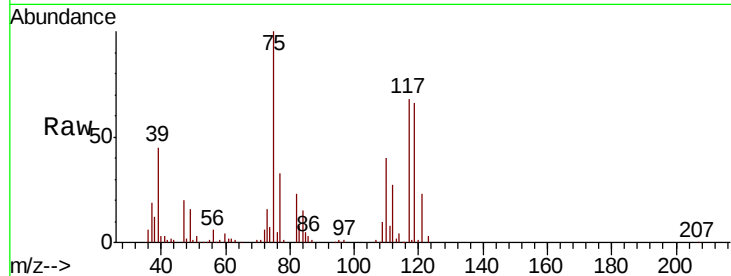
#29
 1,1-Dichloropropene
 Concen: 17.713 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	206841		
110	42.0		0.0	70.8
77	30.7		0.0	61.6

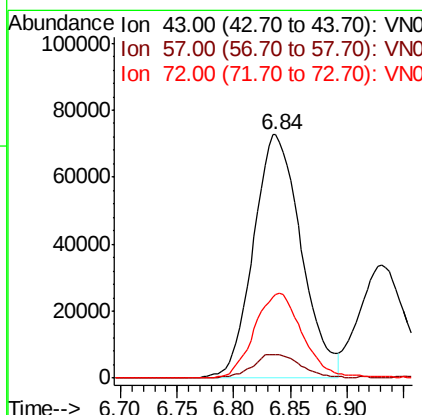
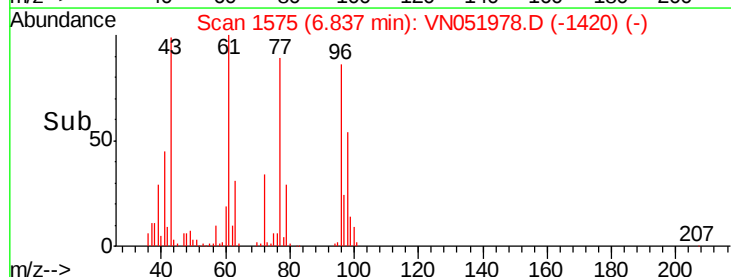
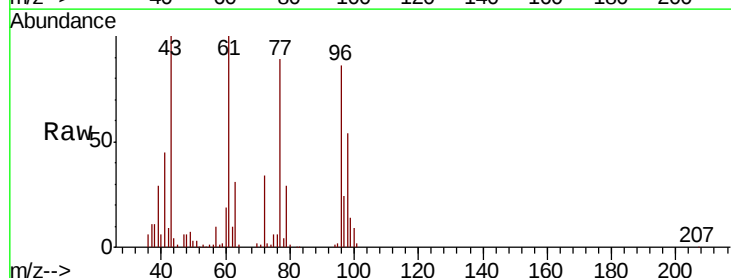
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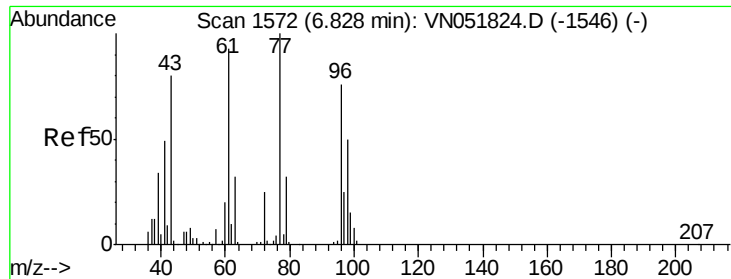
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#30
 2-Butanone
 Concen: 87.415 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	213358		
57	4.4		4.5	6.7#
72	34.9		21.5	32.3#





#31

2,2-Dichloropropane

Concen: 16.699 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 229393

Ion Ratio Lower Upper

77 100

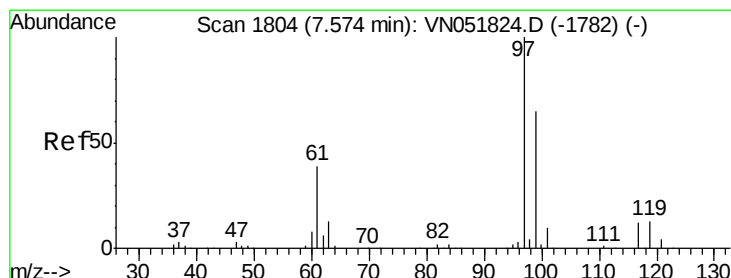
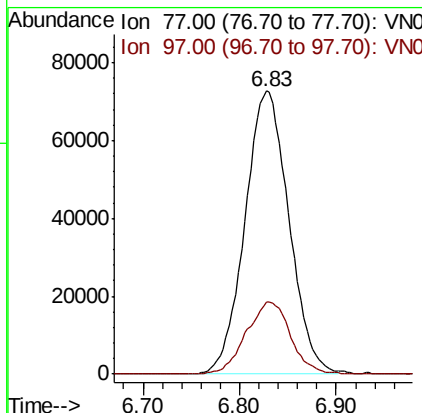
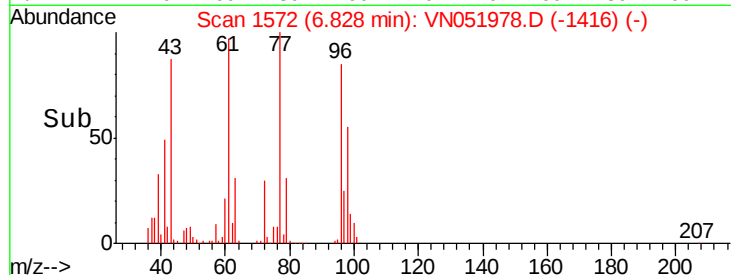
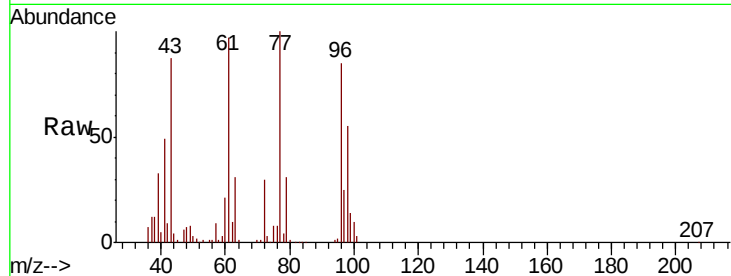
97 25.6 12.0 18.0#

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#32

1,1,1-Trichloroethane

Concen: 17.811 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

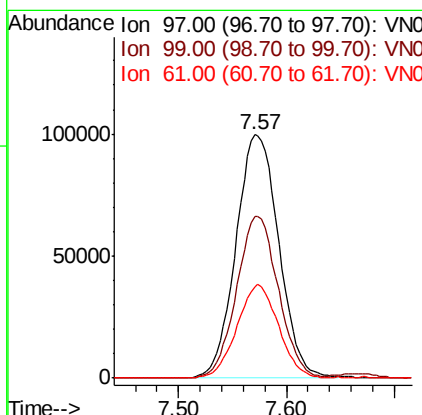
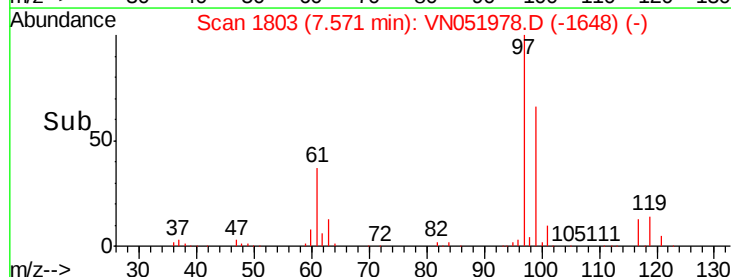
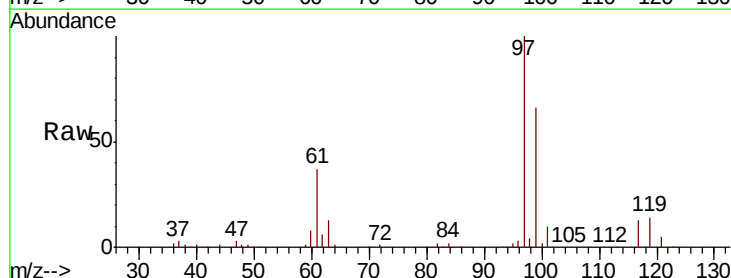
Tgt Ion: 97 Resp: 275756

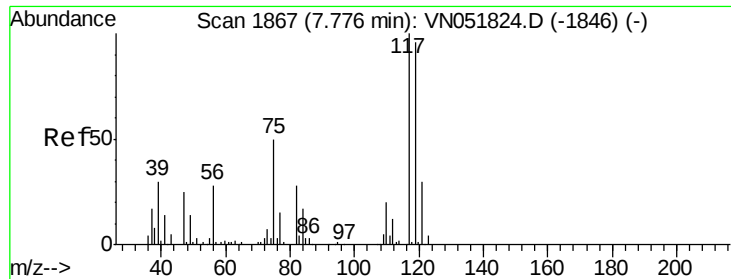
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 37.2 37.4 56.0#





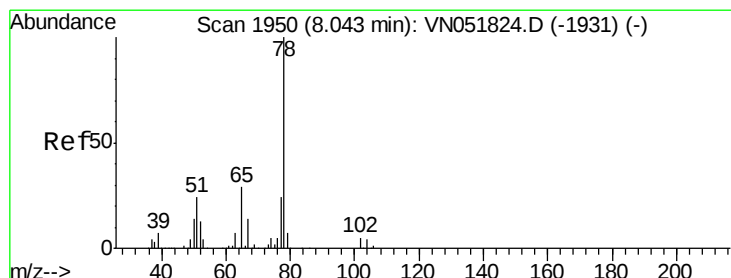
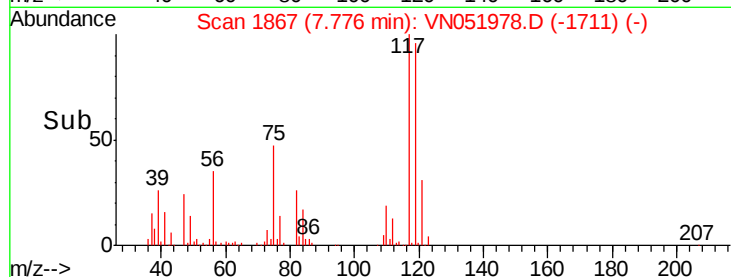
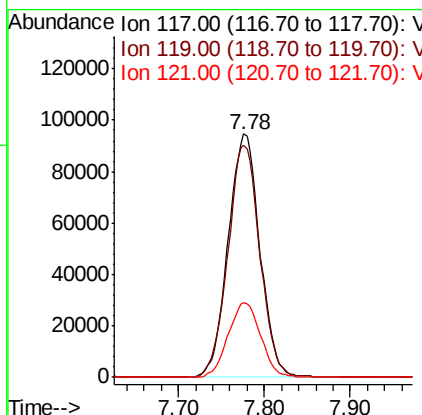
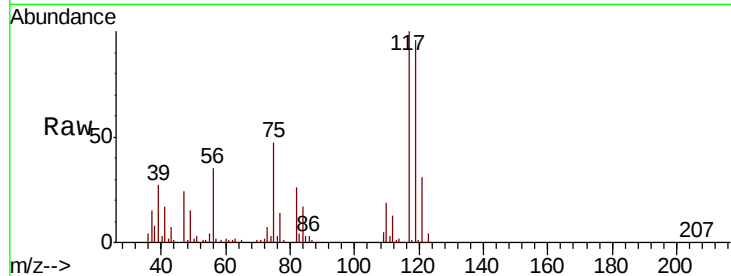
#33
Carbon Tetrachloride
Concen: 17.305 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	85.1	127.7
121	30.8	24.2	36.2

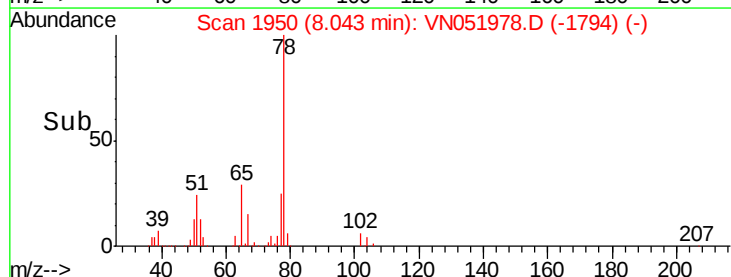
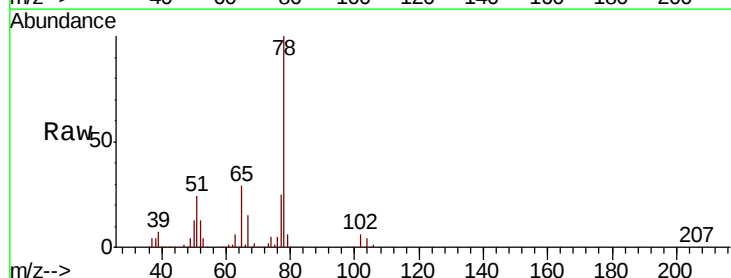
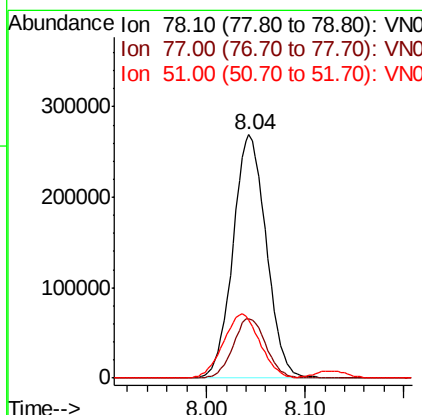
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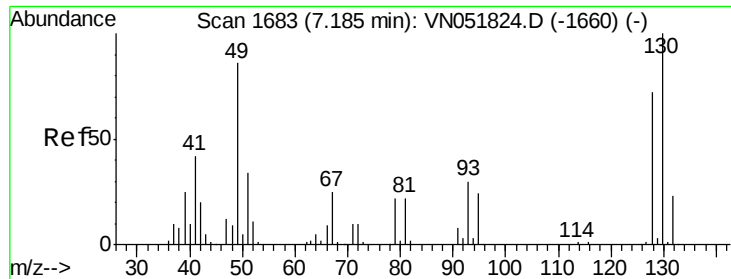
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#34
Benzene
Concen: 18.274 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2
51	23.6	46.2	69.4#





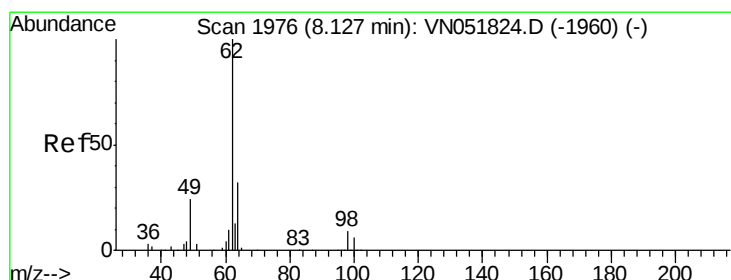
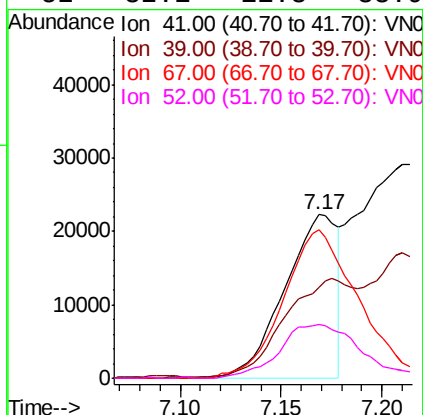
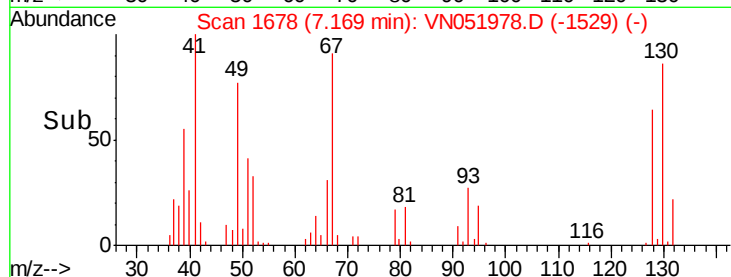
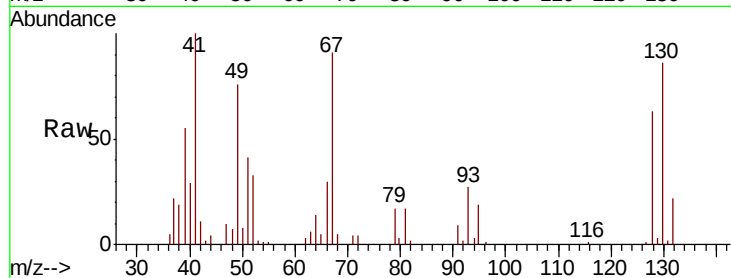
#35
Methacrylonitrile
Concen: 12.584 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	22.6	67.7
67	90.7	28.9	86.8#
52	32.1	11.3	33.9

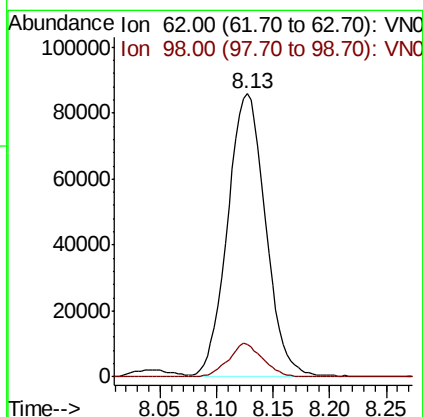
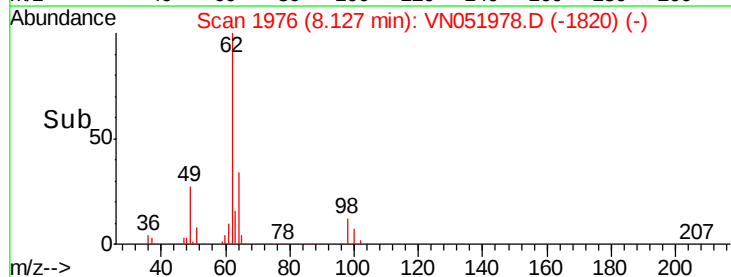
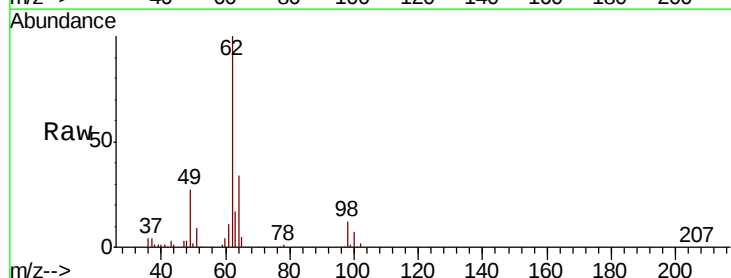
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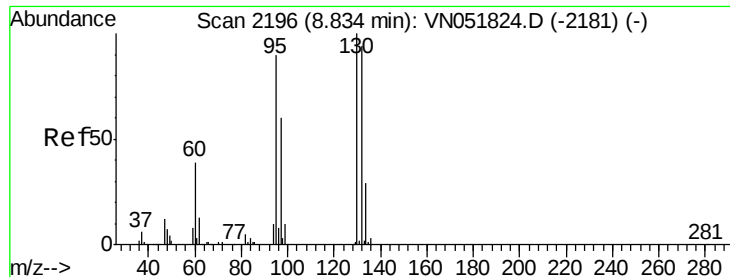
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#36
1,2-Dichloroethane
Concen: 18.212 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	6.9	10.3#





#37

Trichloroethene

Concen: 18.793 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 201508

Ion Ratio Lower Upper

130 100

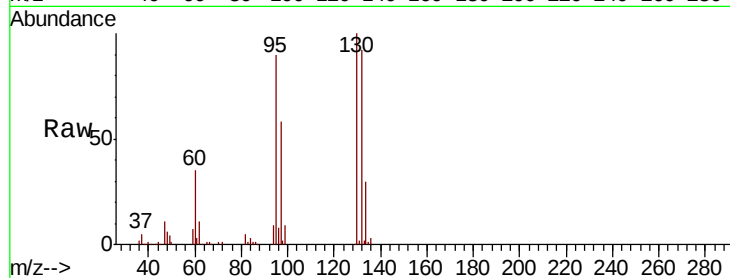
95 90.1 76.4 114.6

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

100000

80000

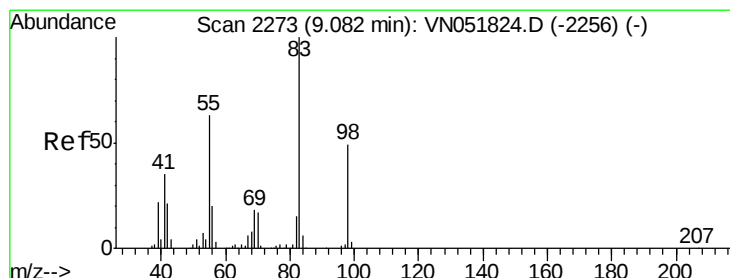
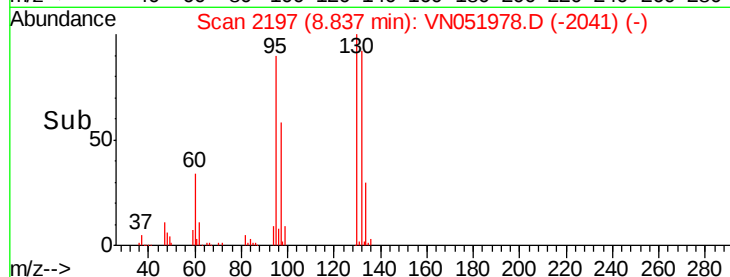
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 16.871 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.01 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

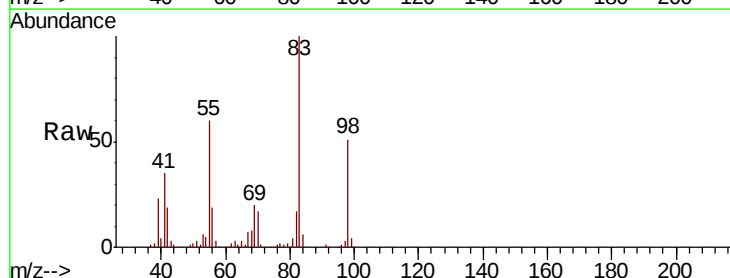
Tgt Ion: 83 Resp: 252681

Ion Ratio Lower Upper

83 100

55 60.1 43.0 129.2

98 50.5 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

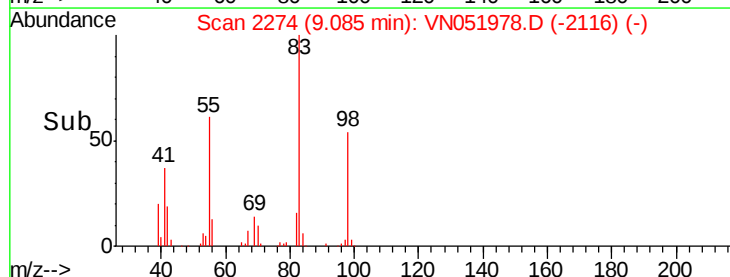
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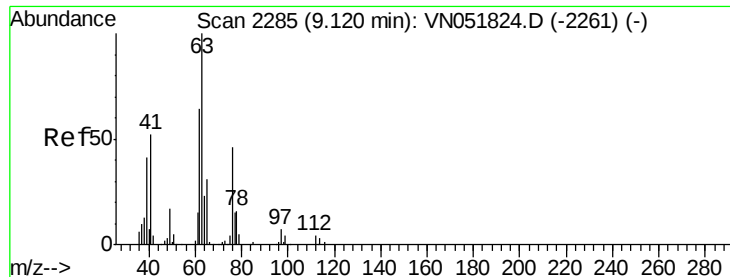
100000

50000

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Time-->





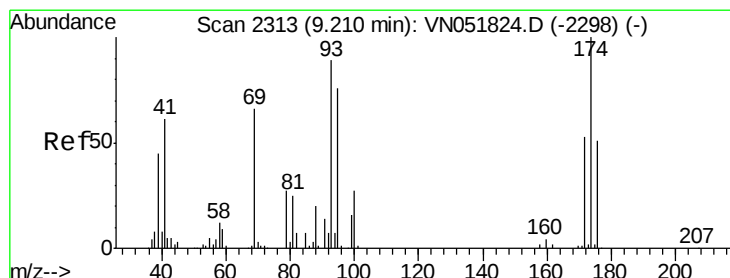
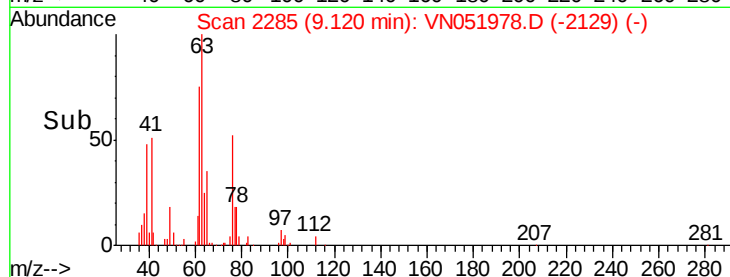
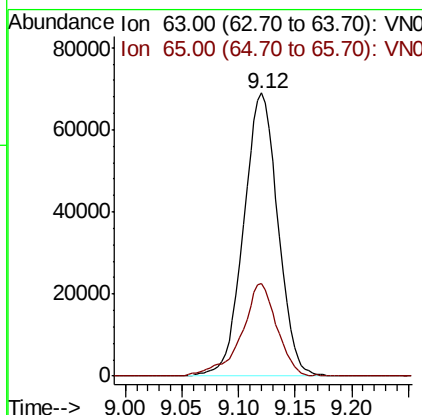
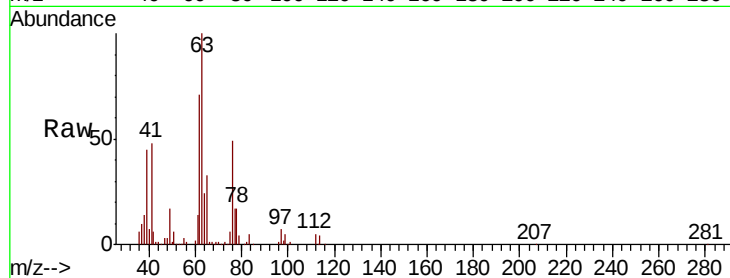
#39
 1,2-Dichloropropane
 Concen: 17.868 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	145352
Ion Ratio	Lower	Upper	
63	100		
65	32.6	23.2	34.8

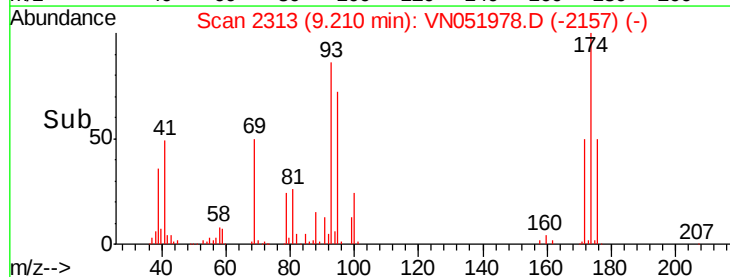
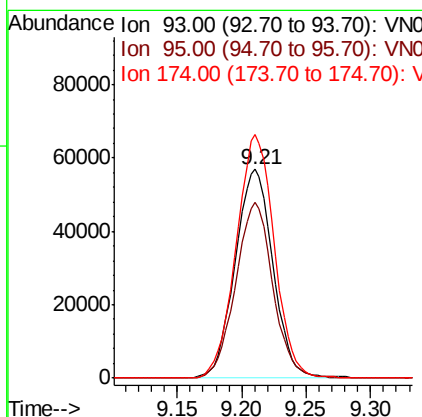
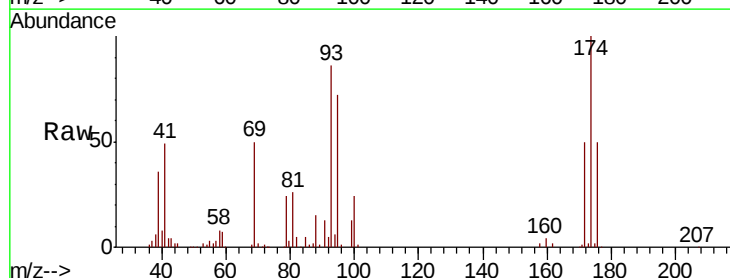
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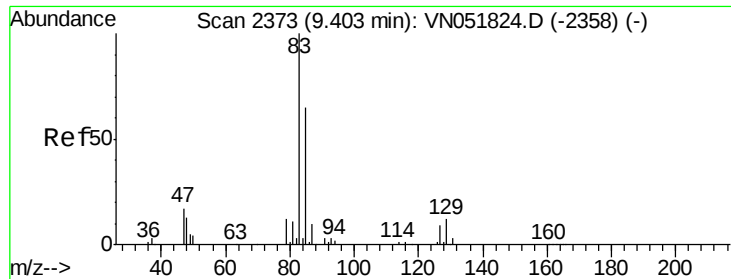
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#40
 Dibromomethane
 Concen: 19.254 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	93	Resp	116245
Ion Ratio	Lower	Upper	
93	100		
95	82.4	0.0	162.0
174	117.1	0.0	214.0





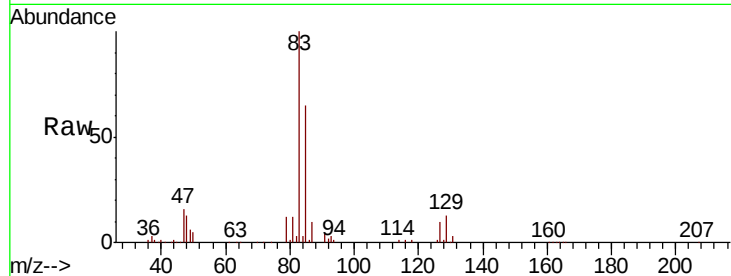
#41
Bromodichloromethane
Concen: 17.007 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

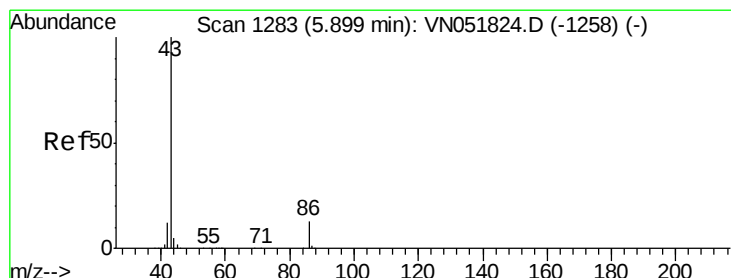
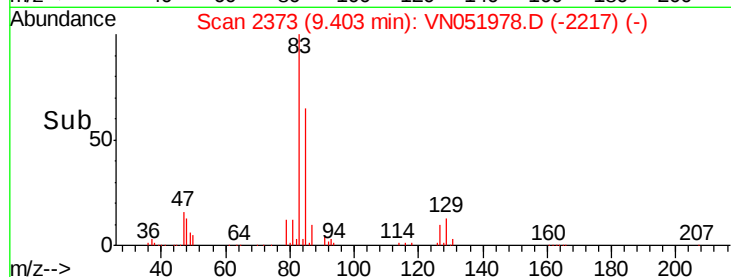
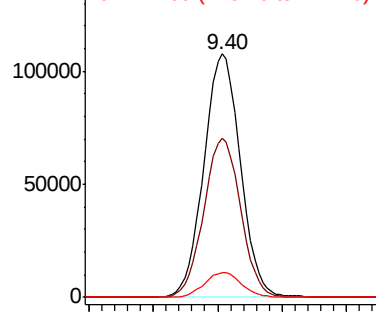
Tot Ion	Ratio	Lower	Upper
83	100		
85	65.4	55.7	83.5
127	10.1	8.2	12.4

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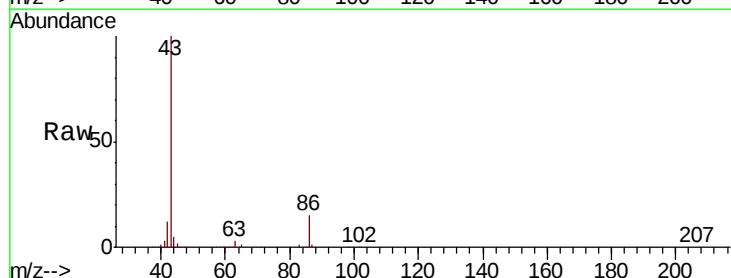


Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

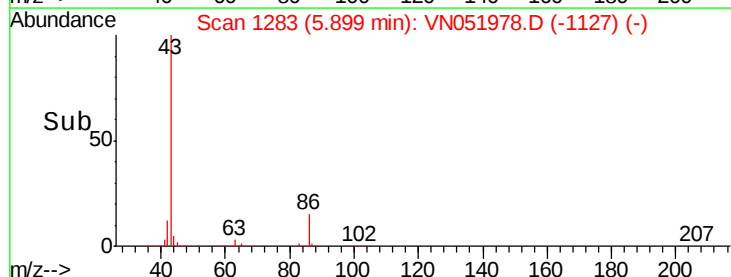
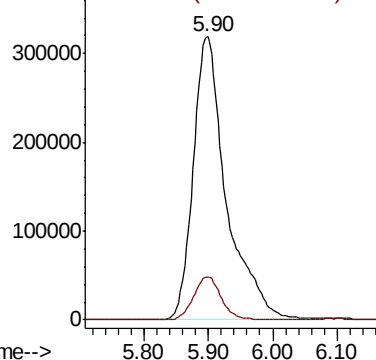


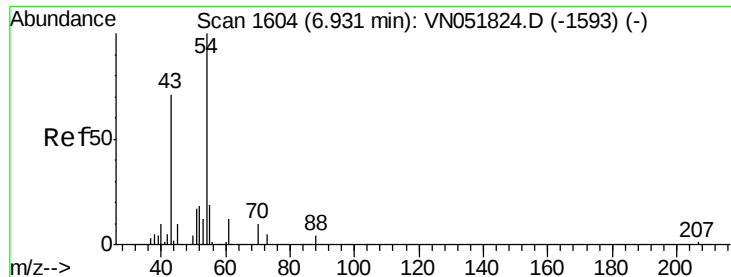
#42
Vinyl Acetate
Concen: 82.898 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
86	12.6	6.5	9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1258) (-)





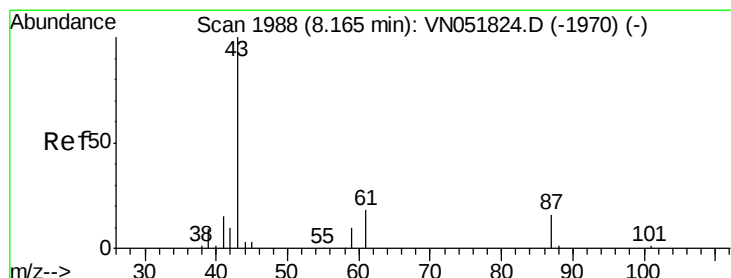
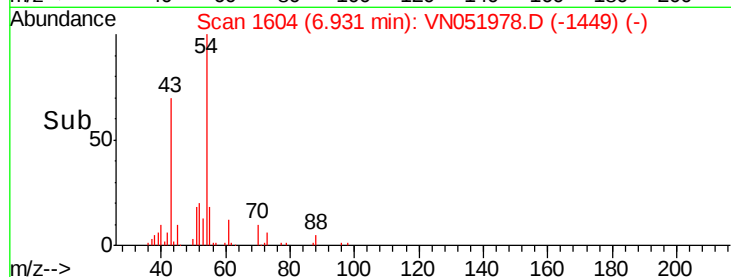
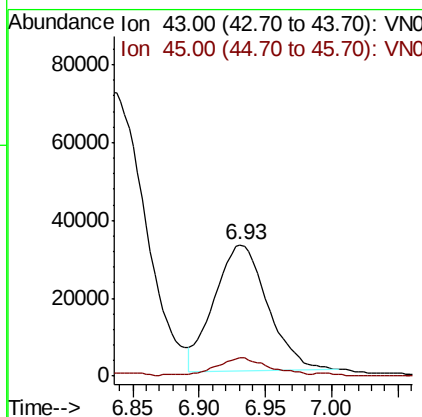
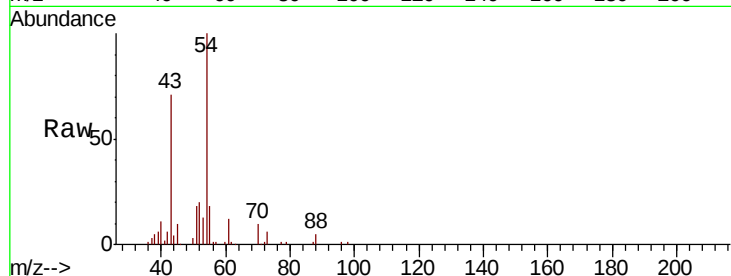
#43
Ethyl Acetate
Concen: 17.125 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 90760
Ion Ratio Lower Upper
43 100
45 12.8 11.0 16.6

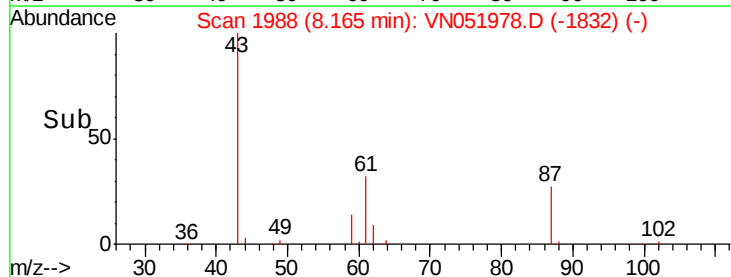
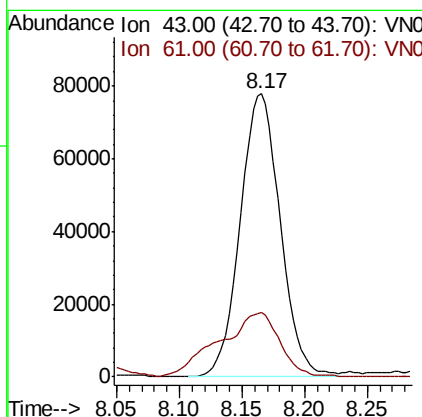
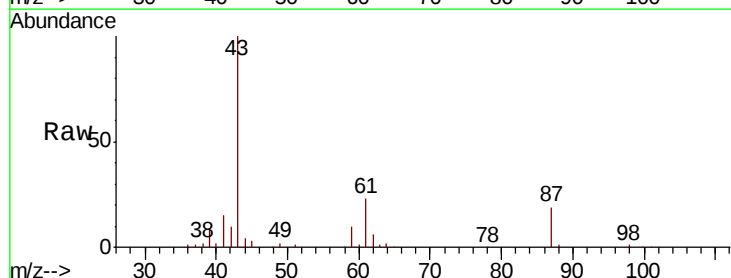
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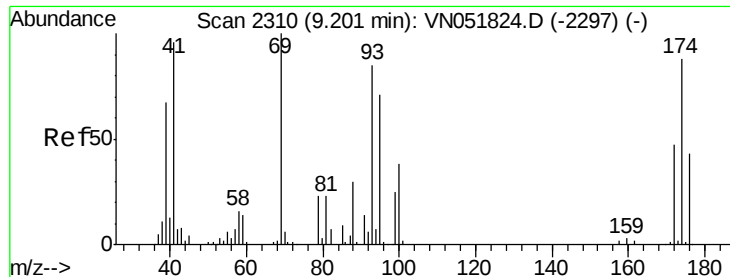
apatel
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#44
Isopropyl Acetate
Concen: 16.358 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion: 43 Resp: 173163
Ion Ratio Lower Upper
43 100
61 21.6 15.9 23.9





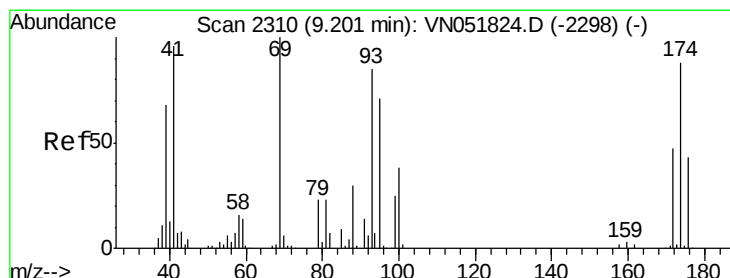
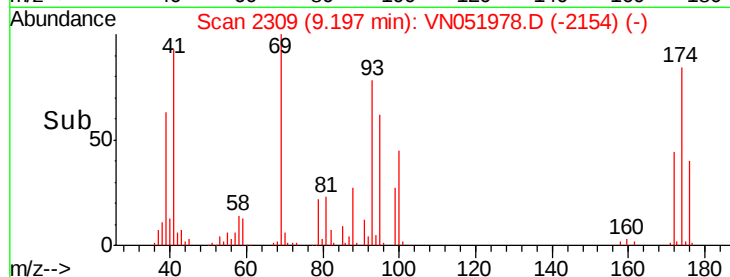
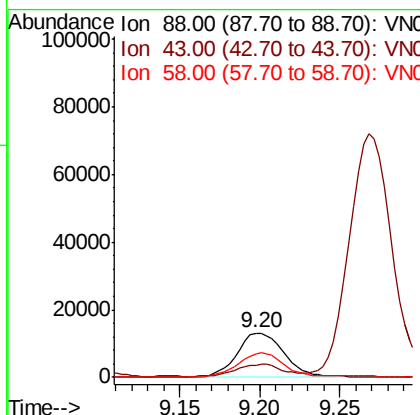
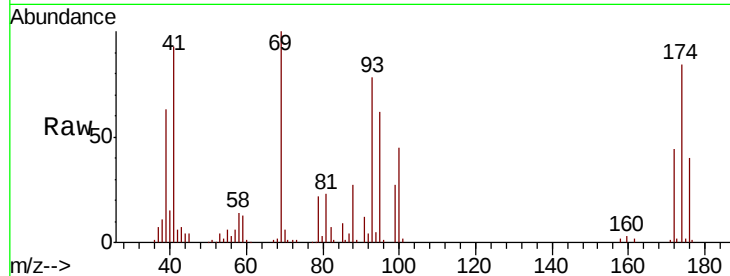
#45
 1,4-Dioxane
 Concen: 310.395 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	26.2	39.2
58	54.4	65.6	98.4#

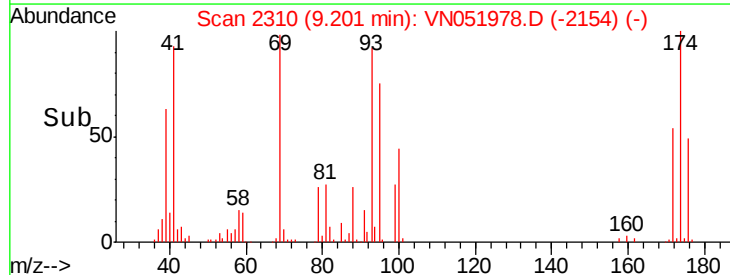
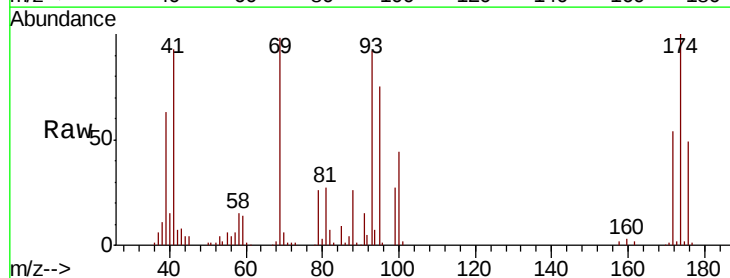
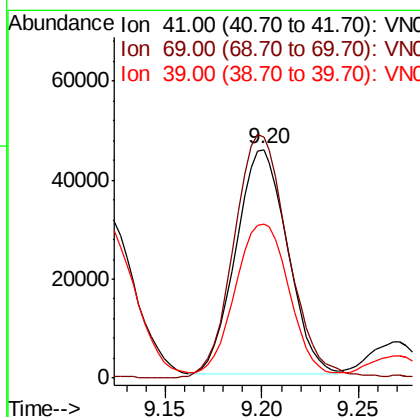
Manual Integrations
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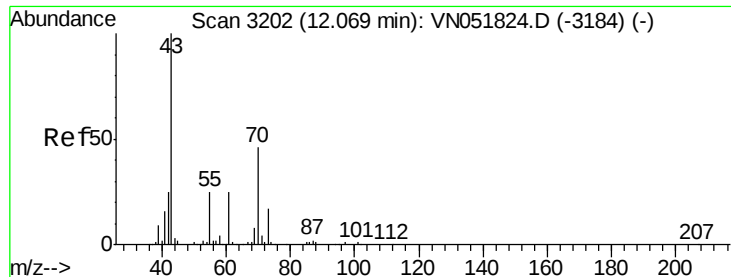
apatel
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#46
 Methyl methacrylate
 Concen: 17.213 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	106.7	40.7	122.1
39	66.5	27.3	81.9





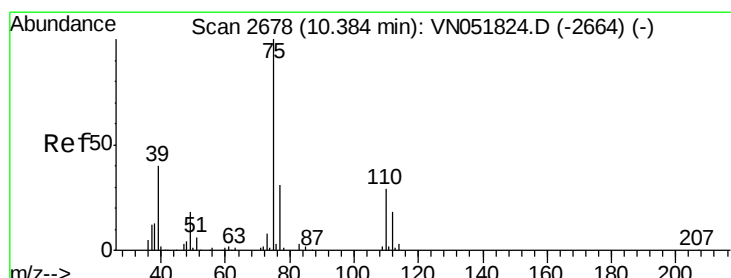
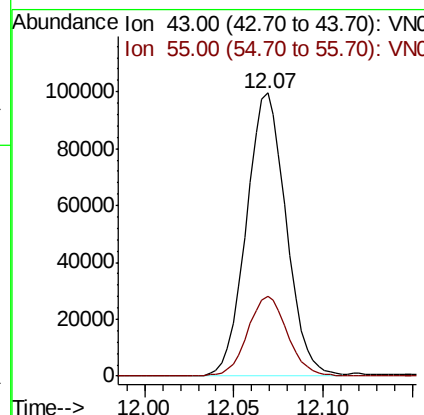
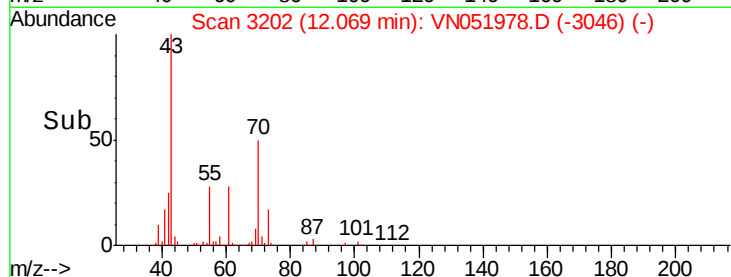
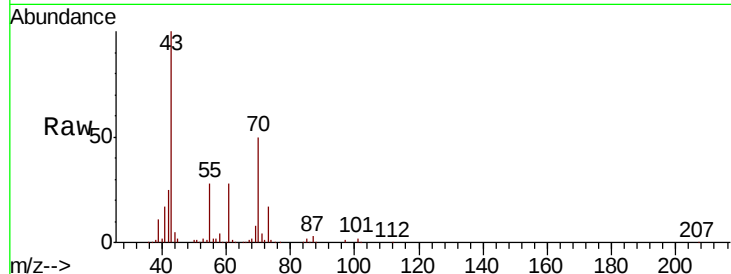
#47
 n-amvl Acetate
 Concen: 17.441 ug/l
 RT: 12.07 min Scan# 3202
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 43 Resp: 154555
 Ion Ratio Lower Upper
 43 100
 55 28.5 12.2 18.4#

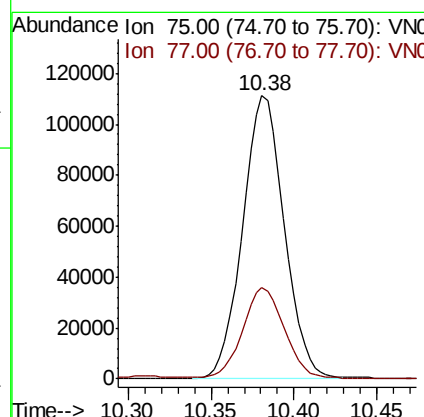
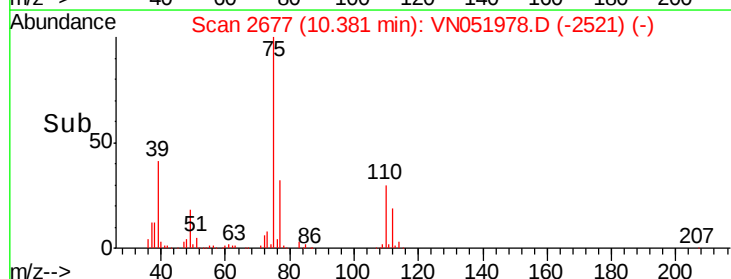
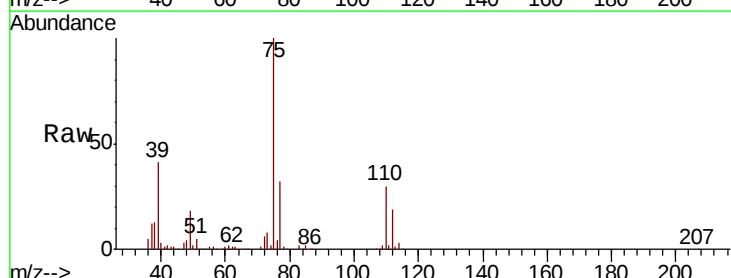
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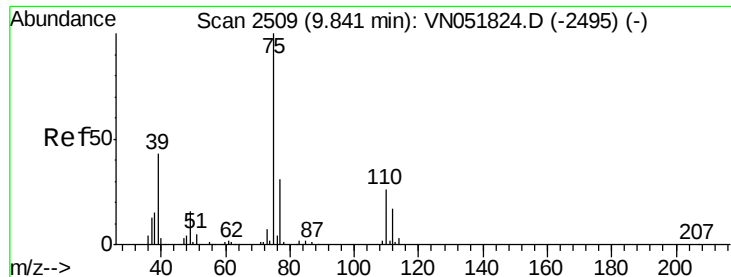
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#48
 t-1,3-Dichloropropene
 Concen: 16.000 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion: 75 Resp: 194572
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0





#49

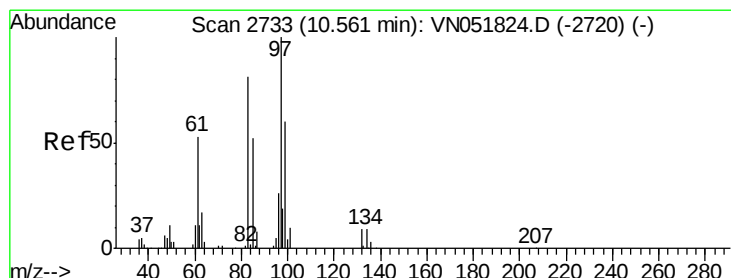
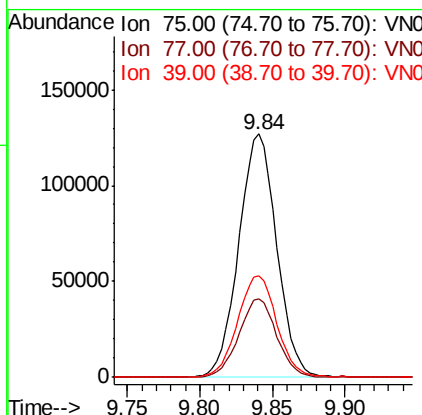
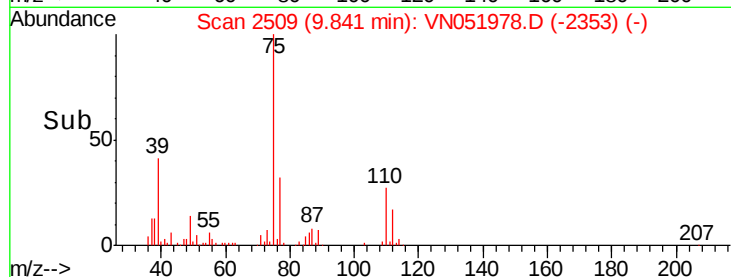
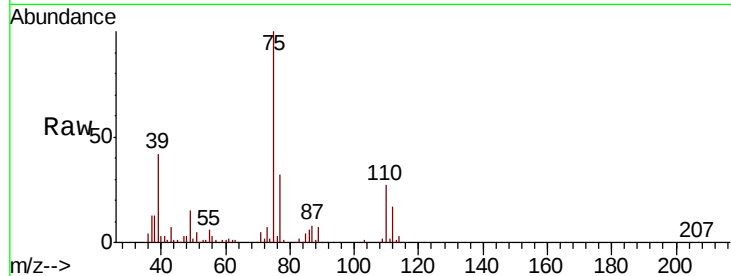
cis-1,3-Dichloropropene
 Concen: 17.250 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	23.2	34.8
39	41.4	34.6	52.0

Manual Integrations
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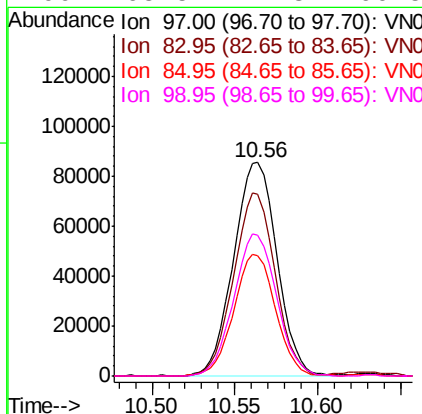
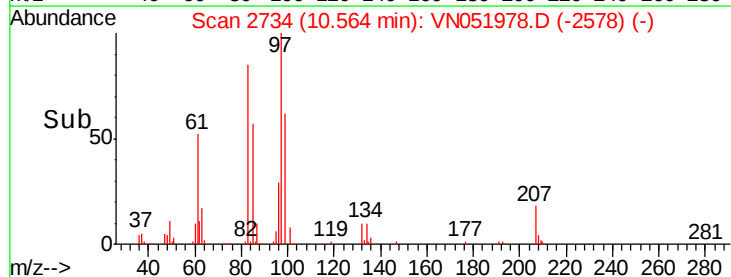
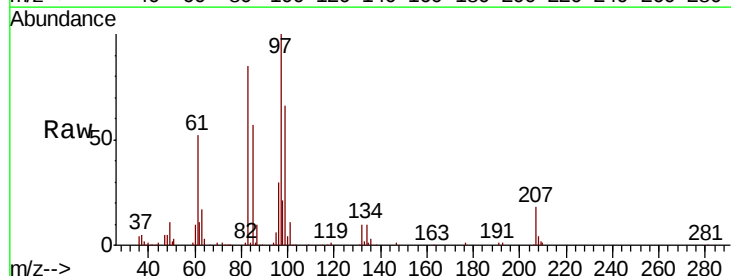
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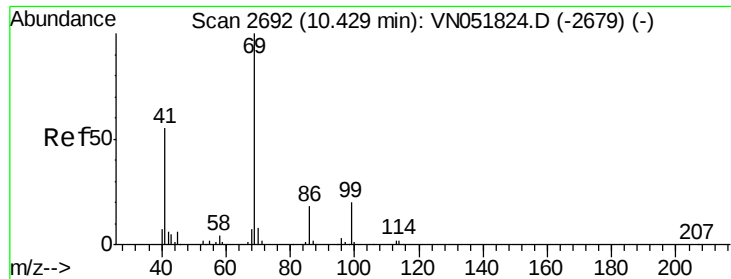


#50

1,1,2-Trichloroethane
 Concen: 18.704 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.2	102.4
85	56.3	42.5	63.7
99	65.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 17.544 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

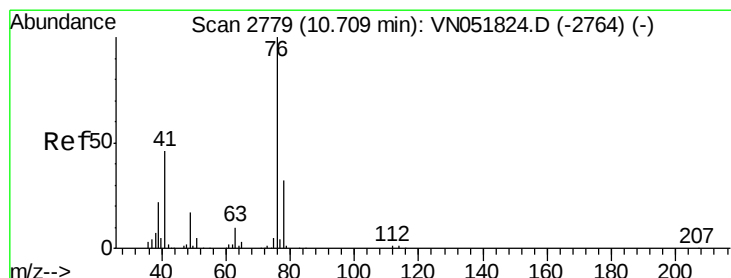
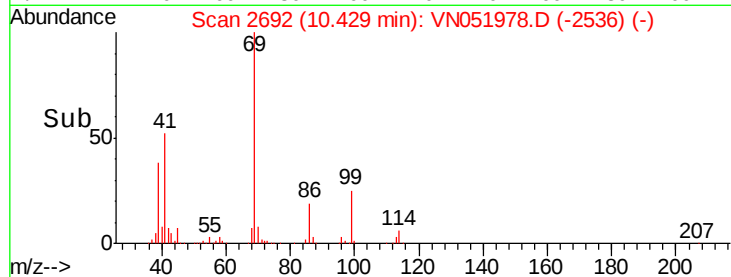
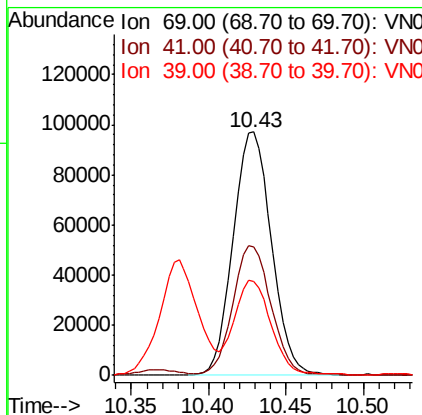
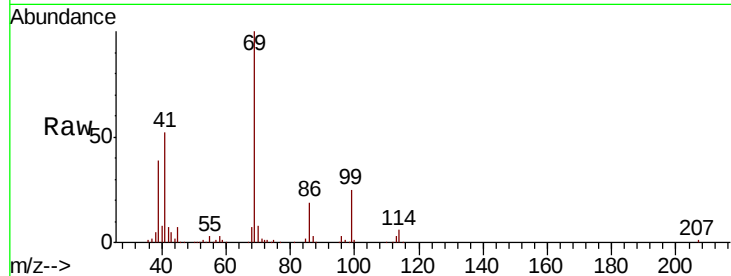
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	167547
Ion	Ratio	Lower	Upper
69	100		
41	51.9	34.4	103.1
39	37.9	16.3	48.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.249 ug/l

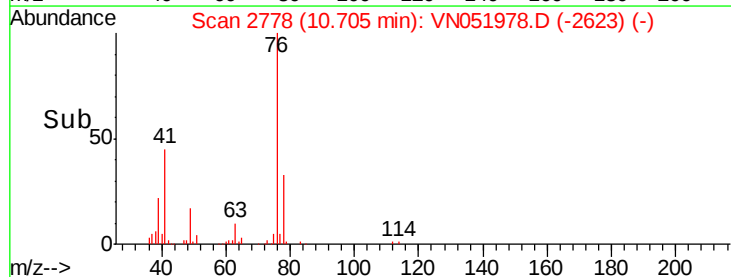
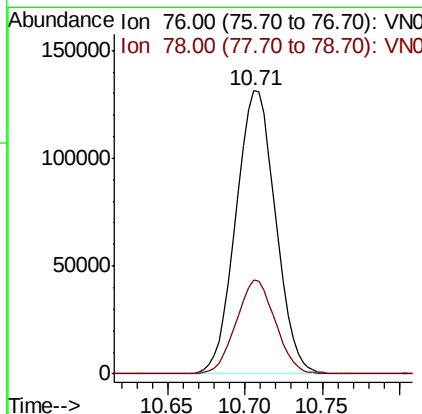
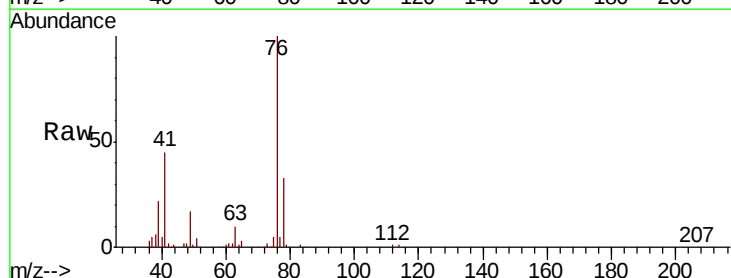
RT: 10.71 min Scan# 2778

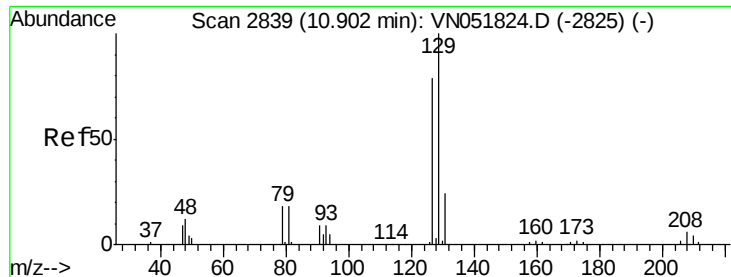
Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Tgt Ion:	76	Resp:	234949
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	67.6





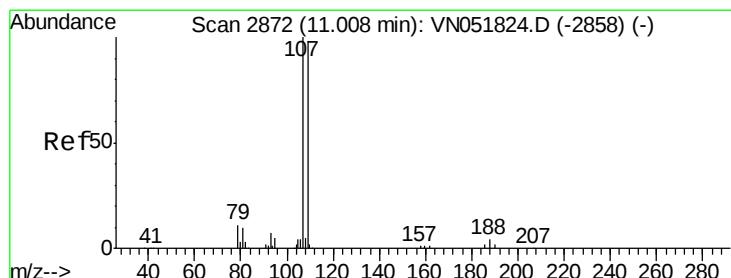
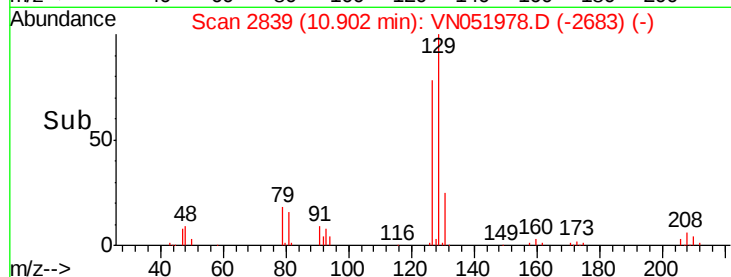
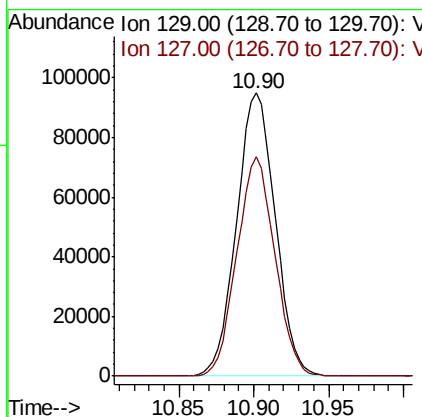
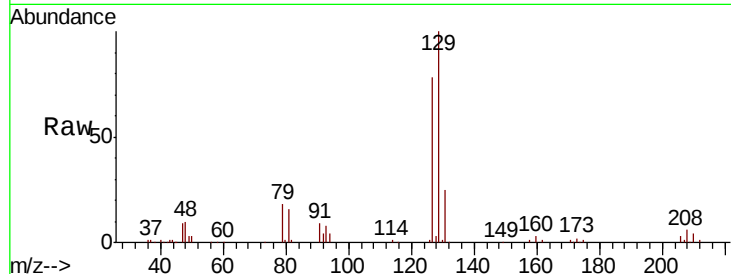
#53
 Dibromochloromethane
 Concen: 16.567 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.2	40.2	120.5

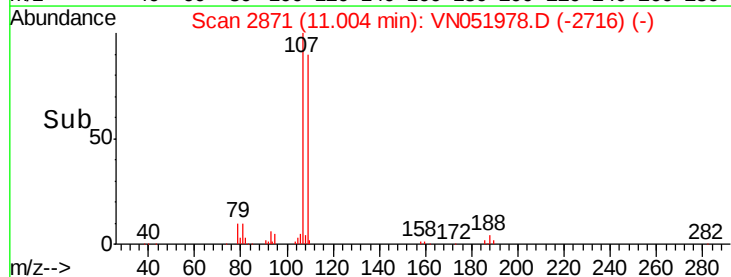
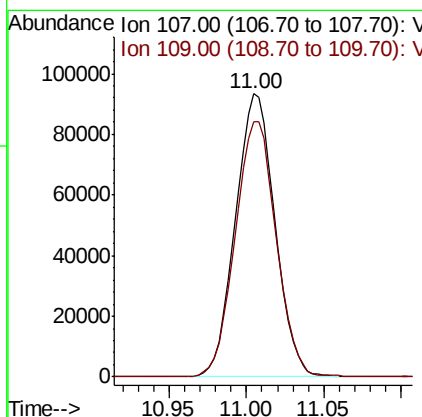
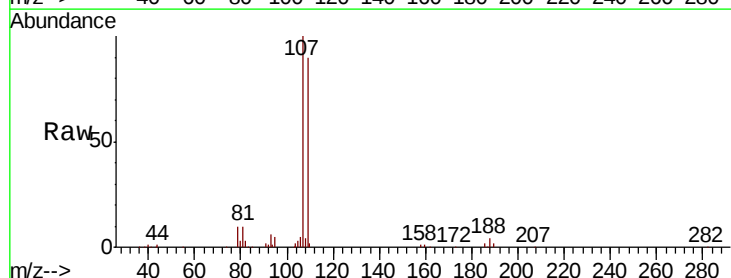
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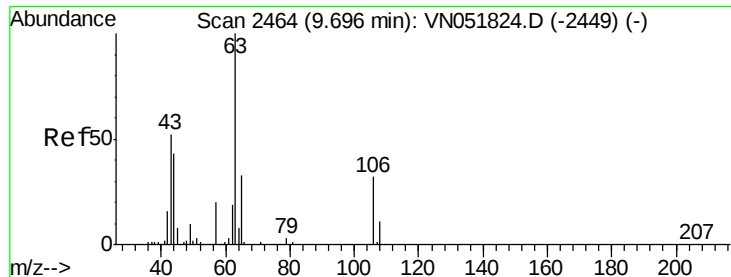
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#54
 1,2-Dibromoethane
 Concen: 18.921 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	77.4	116.0





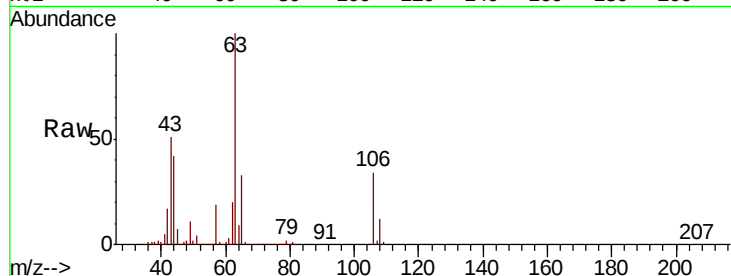
#55
 2-Chloroethyl vinyl ether
 Concen: 121.364 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.4	38.0
106	35.0	21.2	31.8

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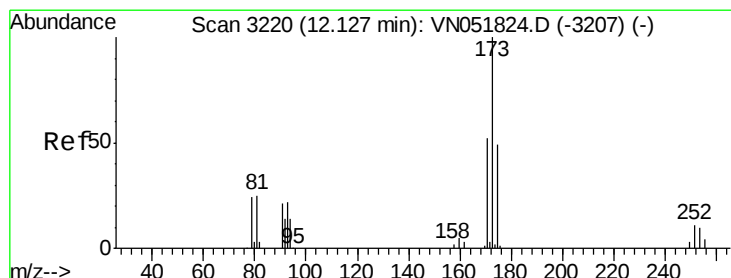
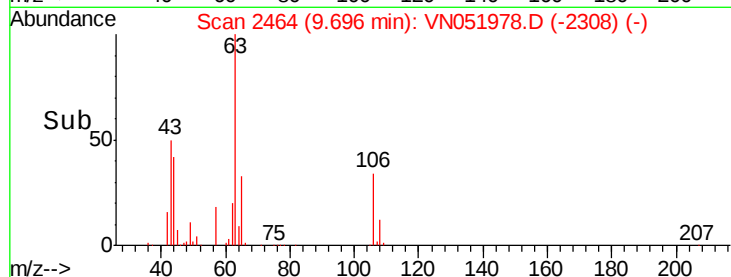
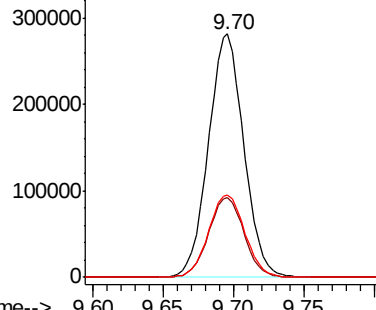


Abundance

Ion 63.00 (62.70 to 63.70): VN051824.D (-2449) (-)

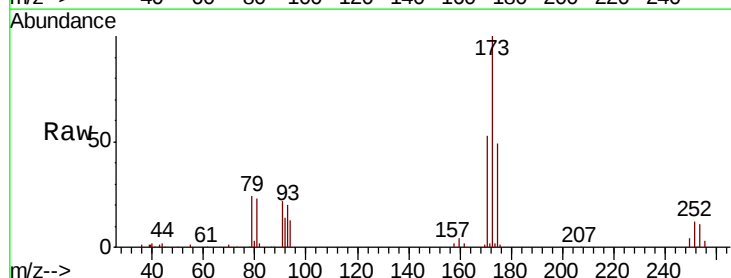
Ion 65.00 (64.70 to 65.70): VN051824.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN051824.D (-2449) (-)



#56
 Bromoform
 Concen: 14.825 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	35.8	53.8
254	8.0	8.6	13.0

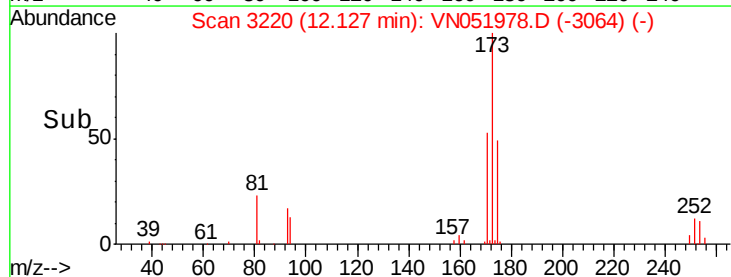
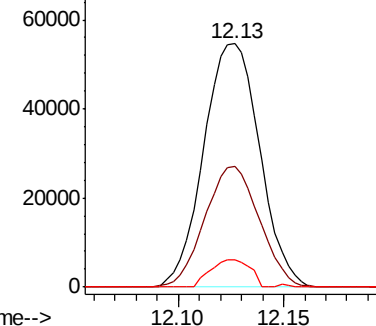


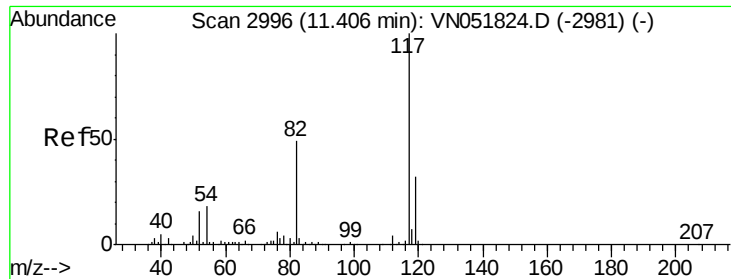
Abundance

Ion 173.00 (172.70 to 173.70): VN051824.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN051824.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN051824.D (-3207) (-)





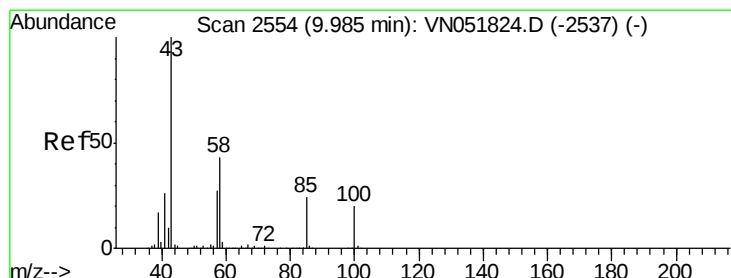
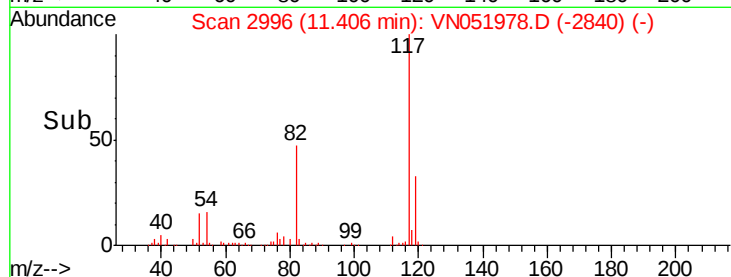
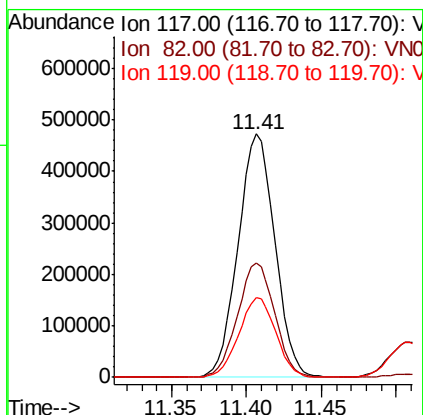
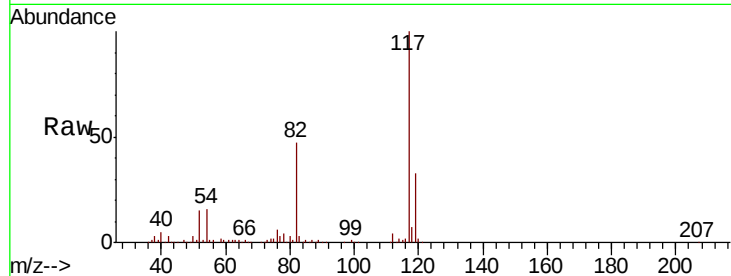
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.3	44.1	66.1
119	32.9	25.8	38.8

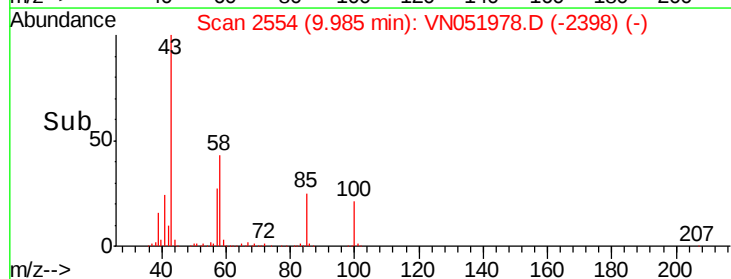
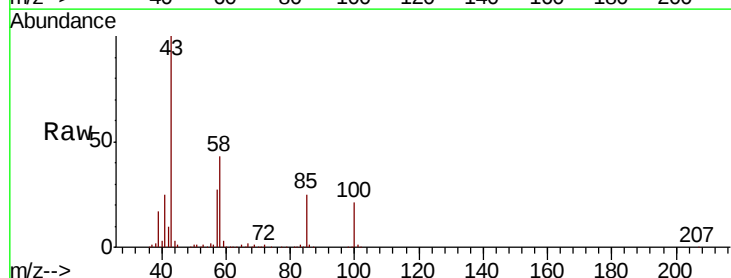
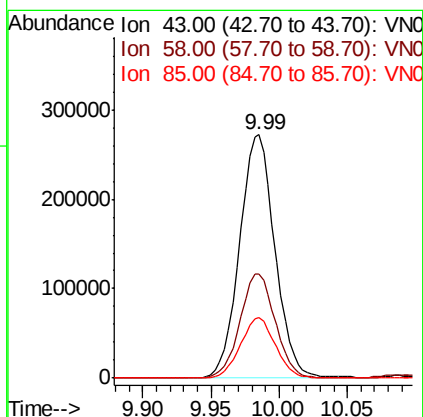
Manual Integrations
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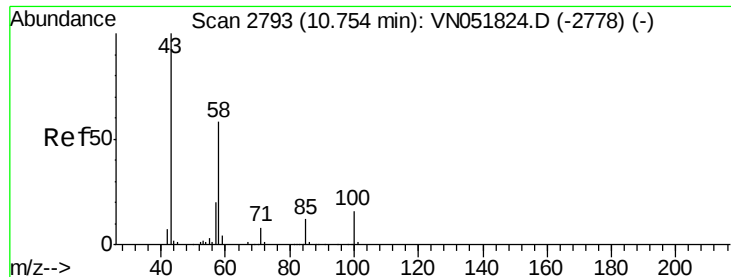
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#58
4-Methyl-2-Pentanone
Concen: 89.772 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.0	29.3	43.9
85	24.8	12.6	18.8





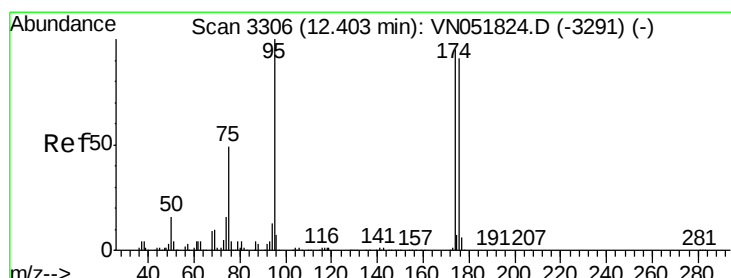
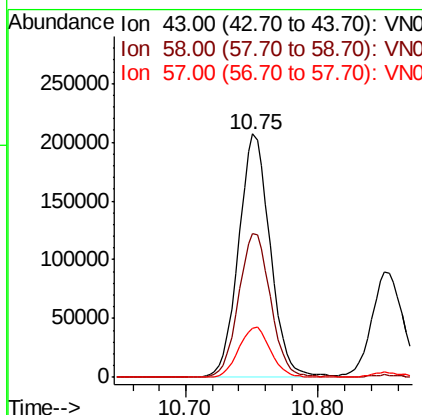
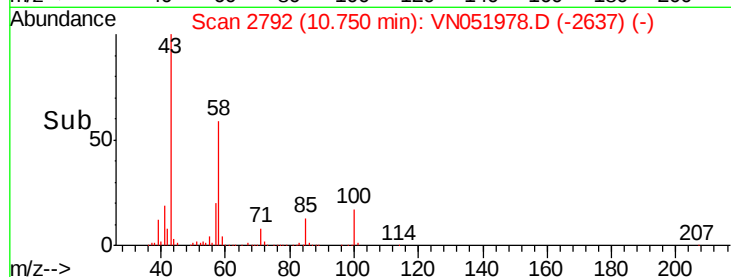
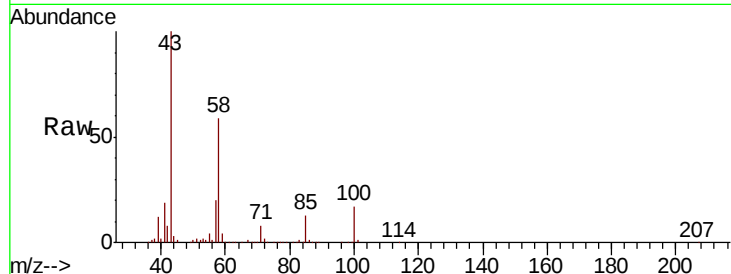
#59
2-Hexanone
Concen: 93.424 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.8	41.3	61.9
57	20.8	13.4	20.0

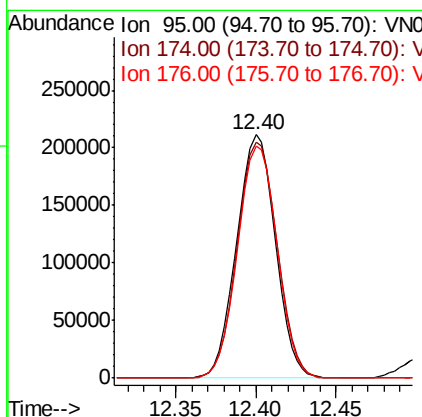
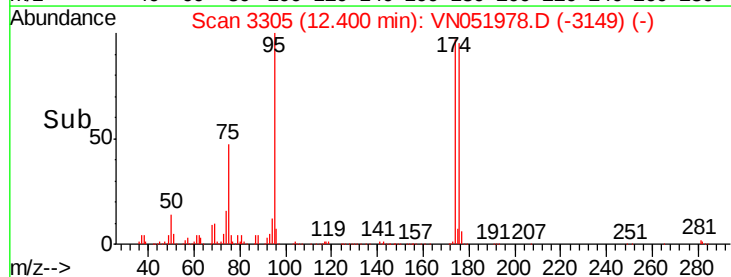
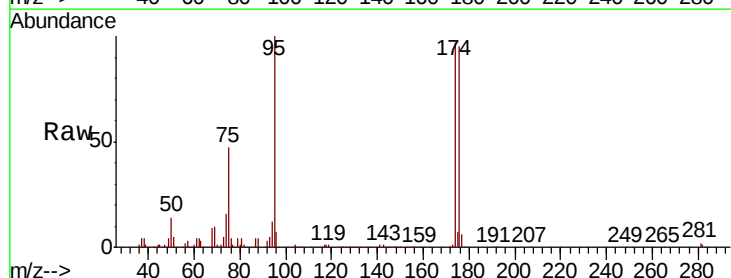
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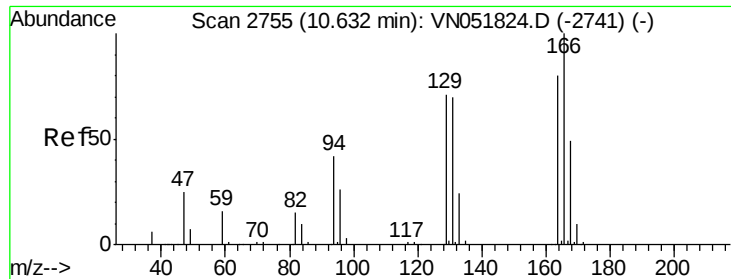
apatel
10/25/2018 9:23:45 AM



#60
4-Bromofluorobenzene
Concen: 93.424 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.1	73.5	110.3
176	97.6	70.2	105.2





#61

Tetrachloroethene

Concen: 18.260 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

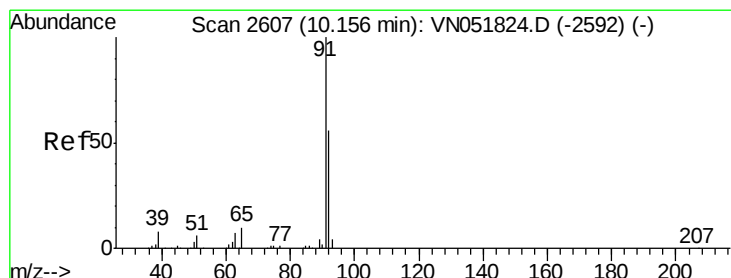
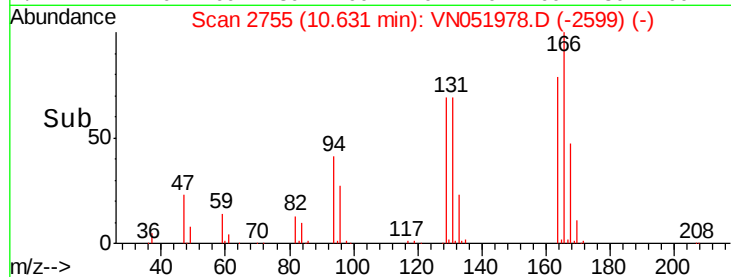
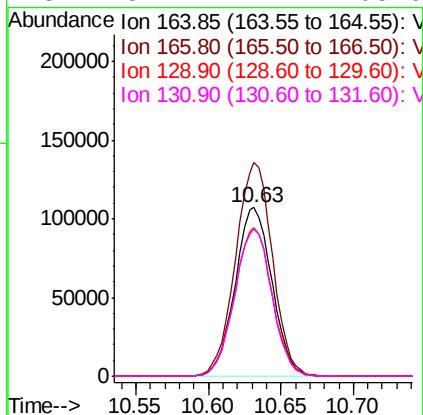
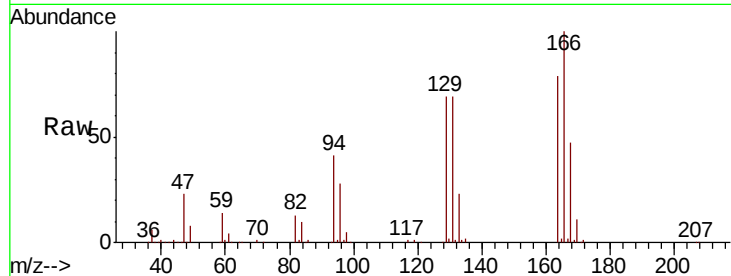
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
164	100	189174		
166	126.9	98.7	148.1	
129	87.7	69.6	104.4	
131	87.1	72.4	108.6	

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#62

Toluene

Concen: 18.708 ug/l

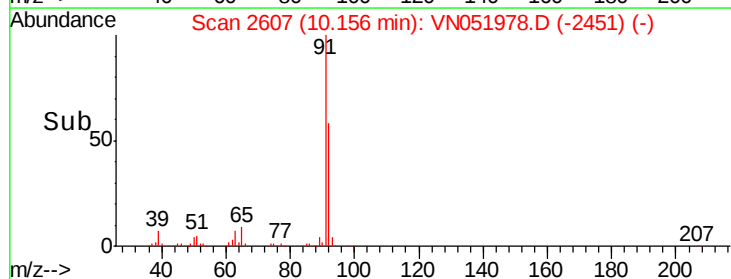
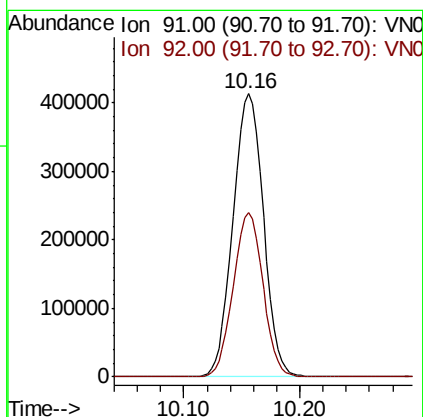
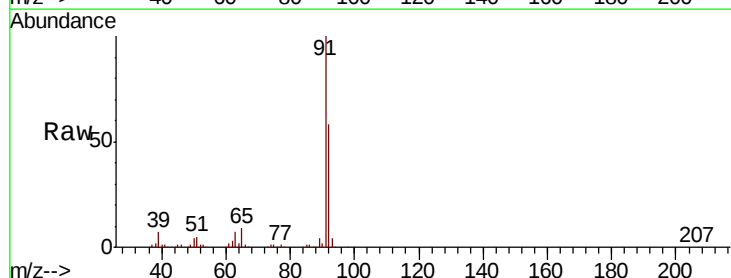
RT: 10.16 min Scan# 2607

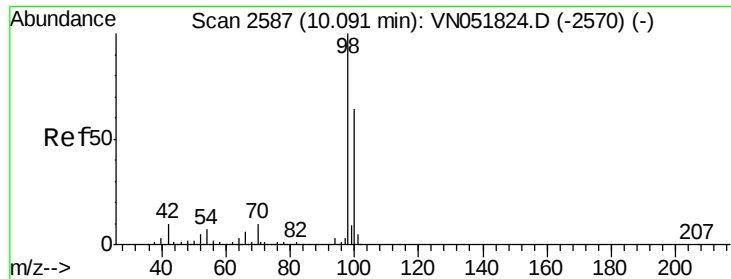
Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	752894		
92	56.3	44.6	66.8	





#63

Toluene-d8

Concen: 18.708 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 1046084

Ion Ratio Lower Upper

98 100

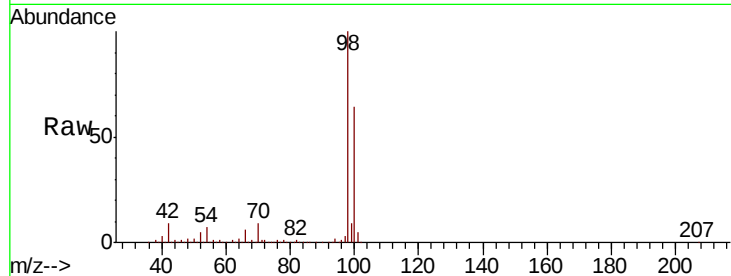
100 63.4 50.8 76.2

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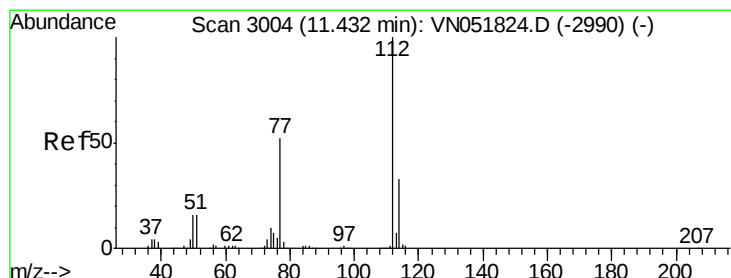
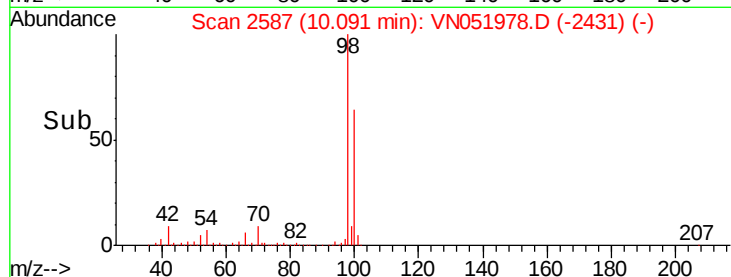
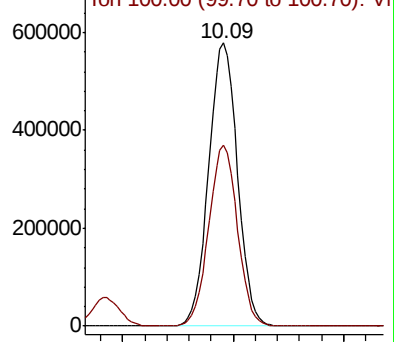
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Abundance Ion 98.00 (97.70 to 98.70): VN051978.D (-2570) (-)



#64

Chlorobenzene

Concen: 19.272 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051978.D

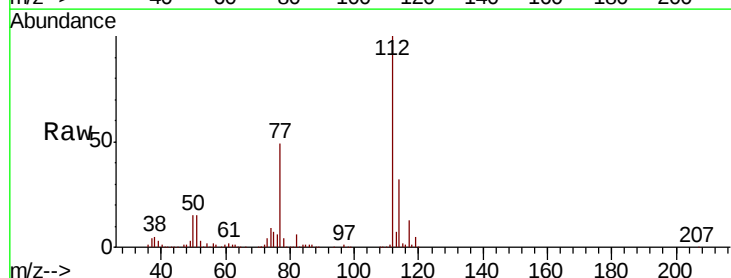
Acq: 24 Oct 2018 10:38

Tgt Ion: 112 Resp: 507957

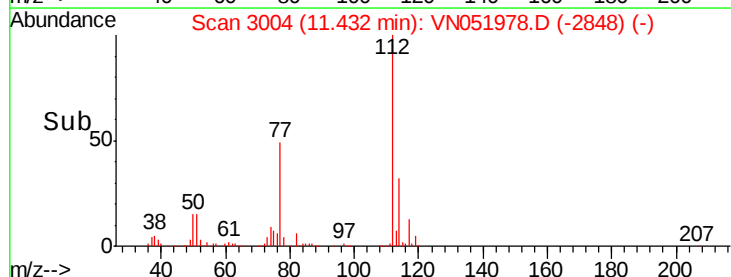
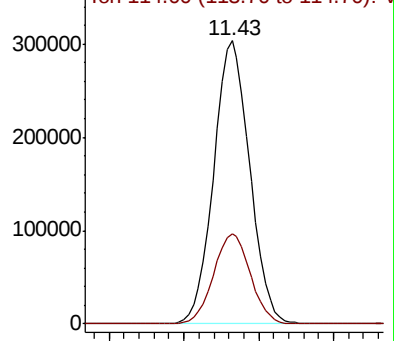
Ion Ratio Lower Upper

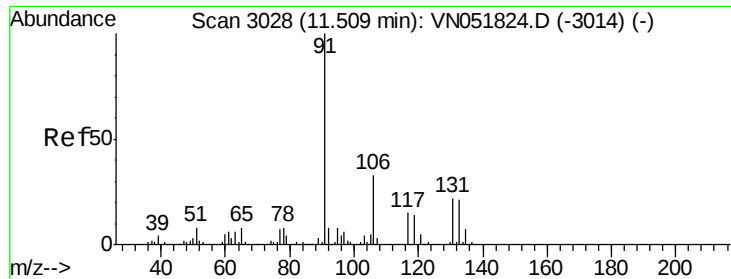
112 100

114 32.0 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051978.D (-2848) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 18.496 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

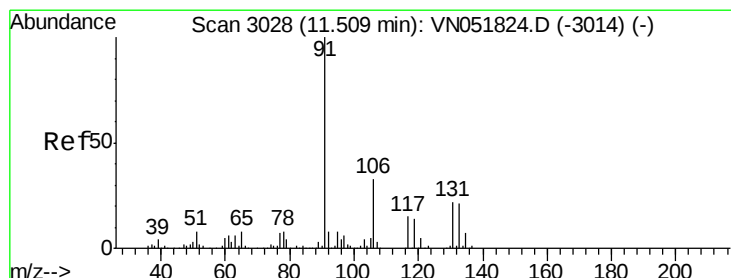
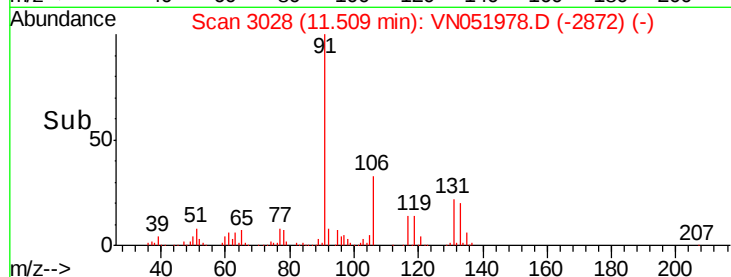
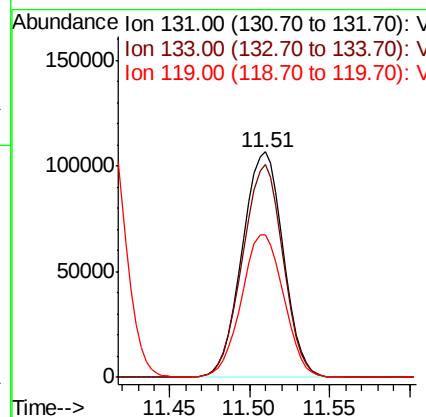
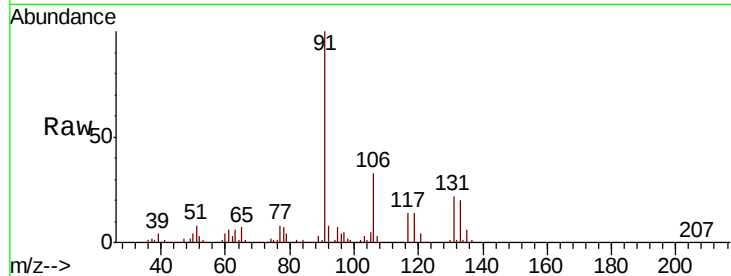
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	187117
Ion Ratio	Lower	Upper	
131	100		
133	93.5	0.0	190.4
119	64.9	0.0	128.0

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#66

Ethyl Benzene

Concen: 18.448 ug/l

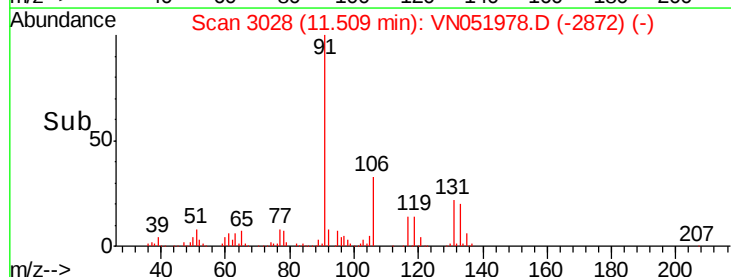
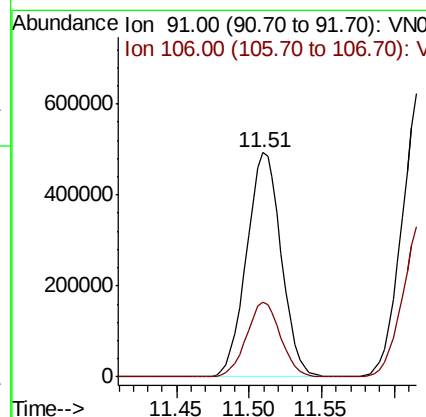
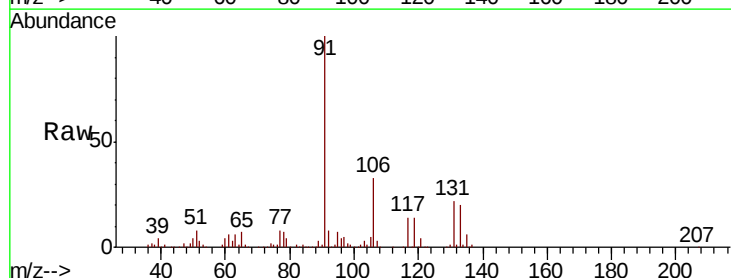
RT: 11.51 min Scan# 3028

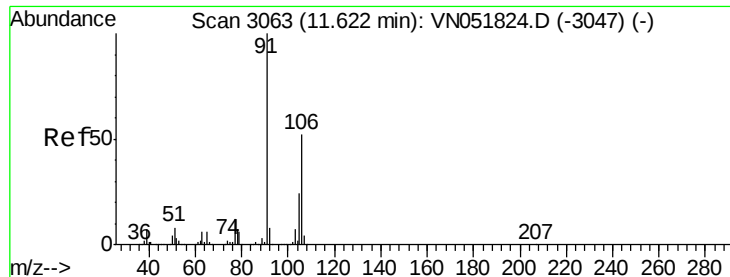
Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Tgt Ion:	91	Resp:	820534
Ion Ratio	Lower	Upper	
91	100		
106	33.3	25.9	38.9





#67

m/p-Xylenes

Concen: 36.626 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 660441

Ion Ratio Lower Upper

106 100

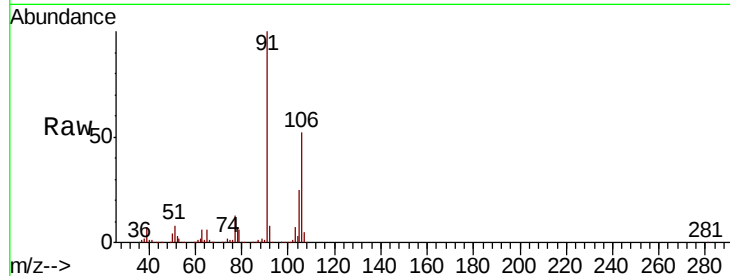
91 191.1 158.8 238.2

Manual Integrations

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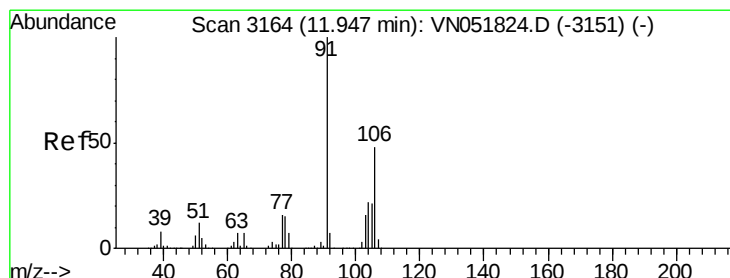
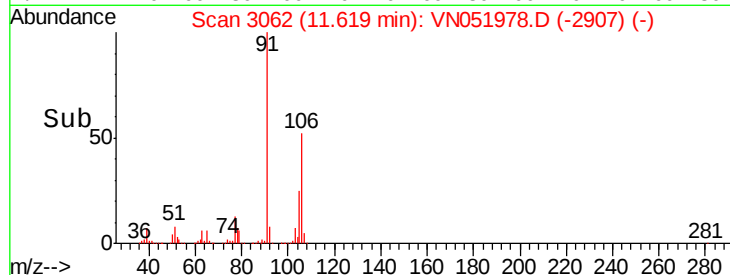
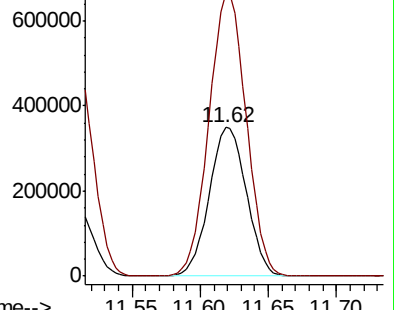
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 18.250 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051978.D

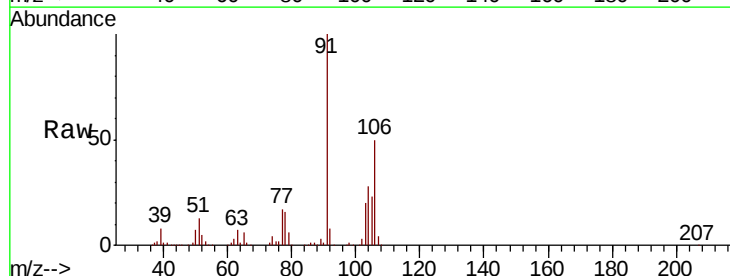
Acq: 24 Oct 2018 10:38

Tgt Ion:106 Resp: 324425

Ion Ratio Lower Upper

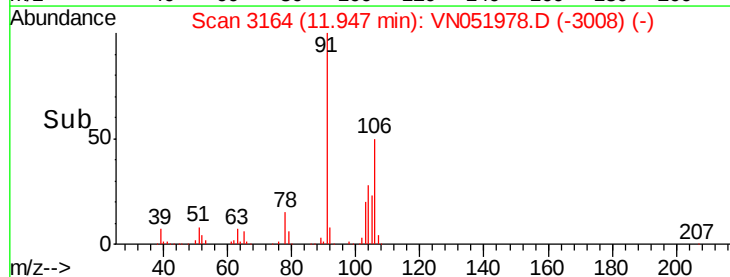
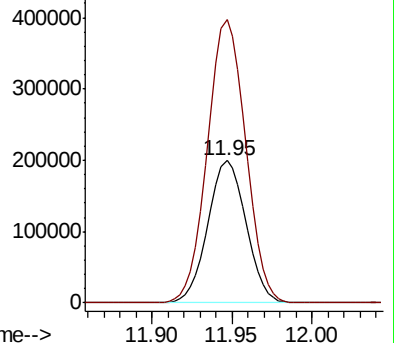
106 100

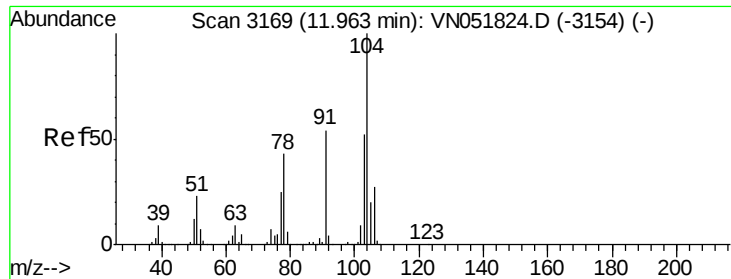
91 199.6 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





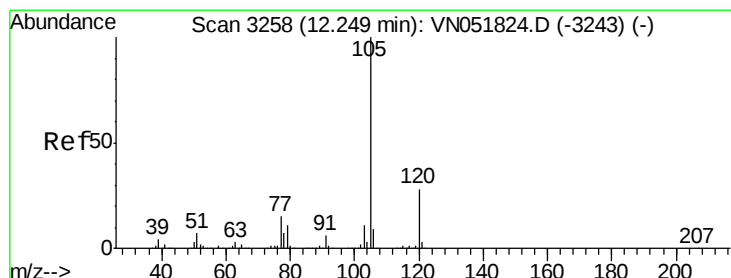
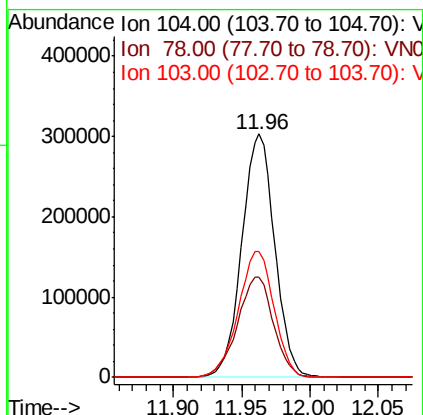
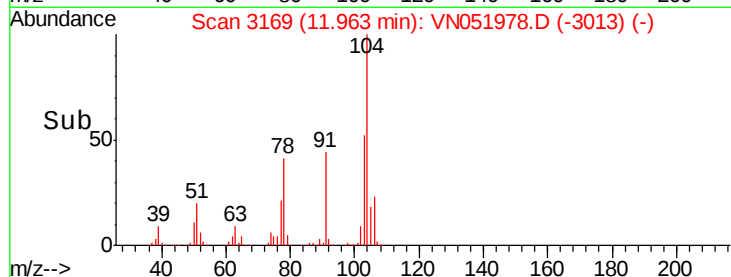
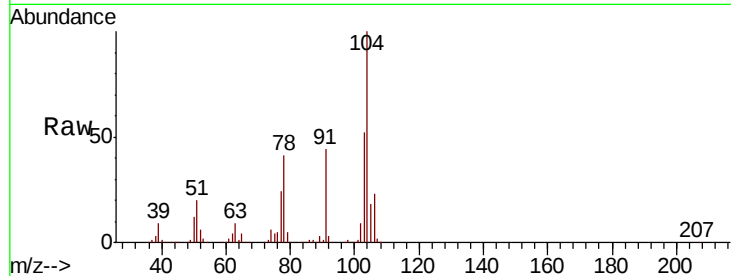
#69
Stvrene
Concen: 18.621 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.1	40.6	60.8
103	56.2	44.0	66.0

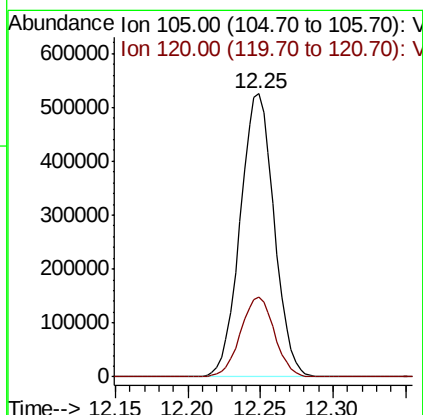
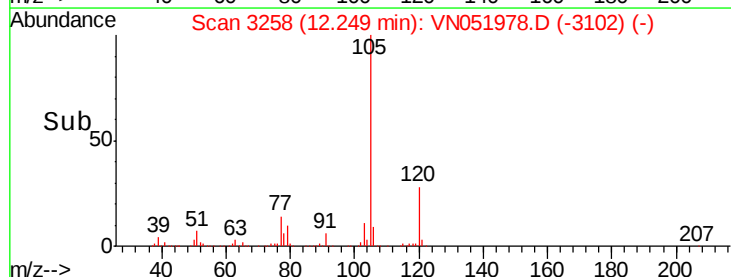
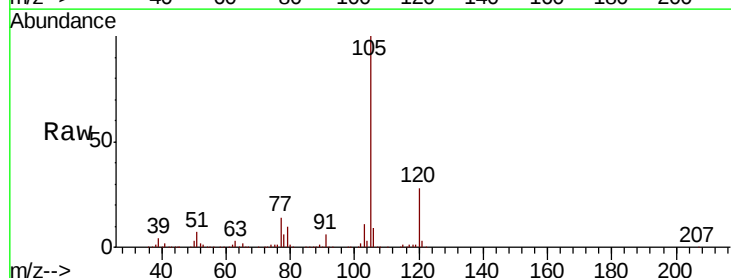
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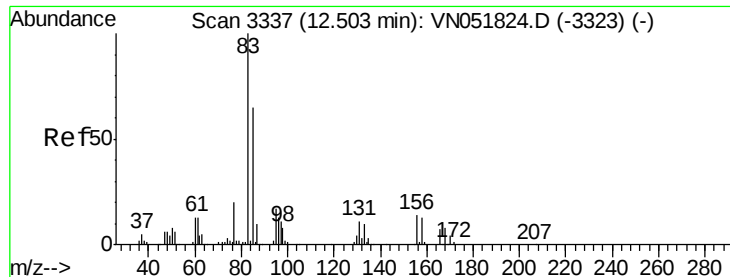
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#70
Isopropylbenzene
Concen: 18.015 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	19.0	35.4





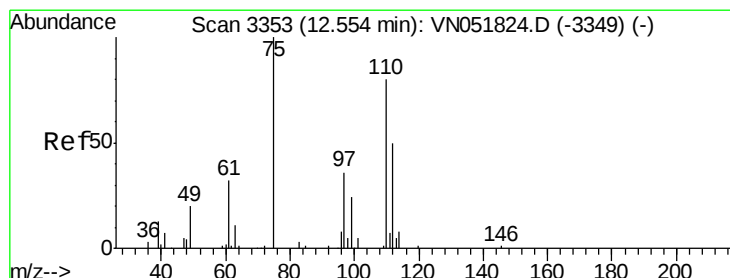
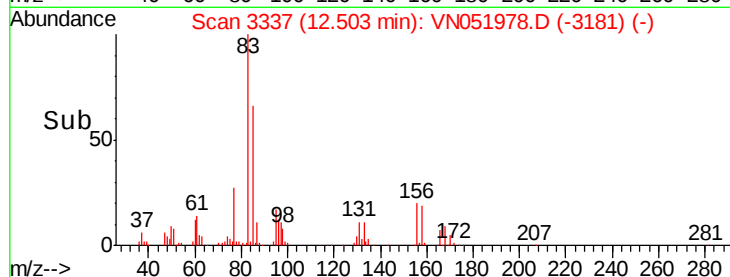
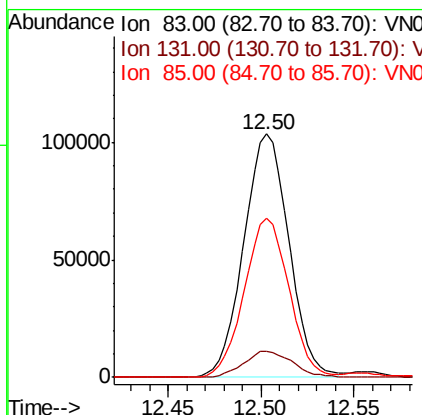
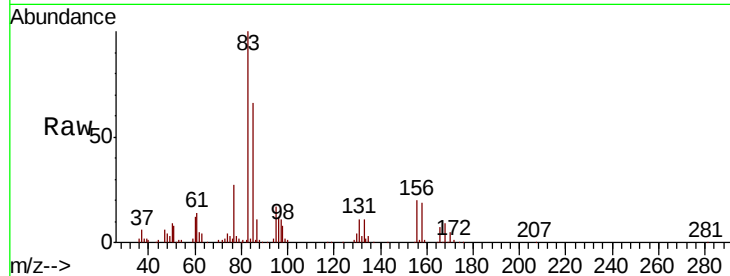
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.702 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	175085		
131	11.7	5.5	16.4	
85	64.6	30.6	91.8	

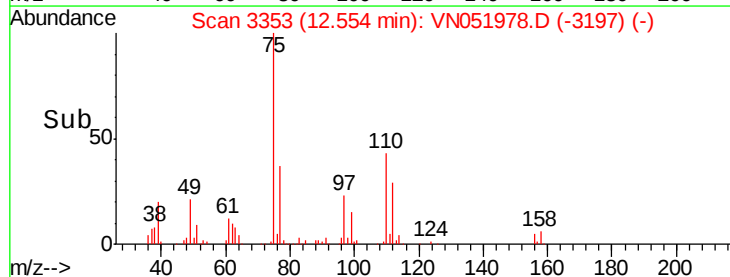
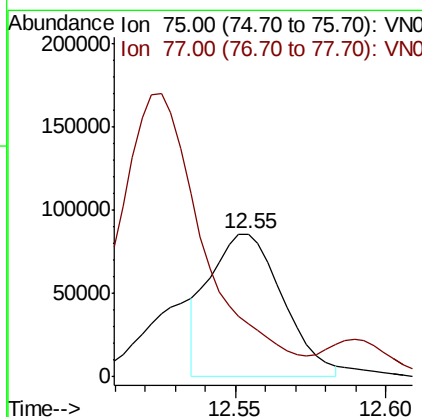
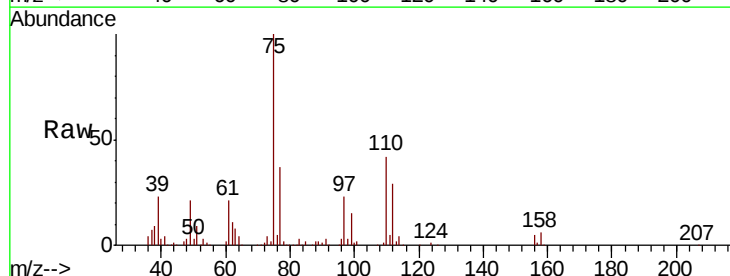
Manual Integrations
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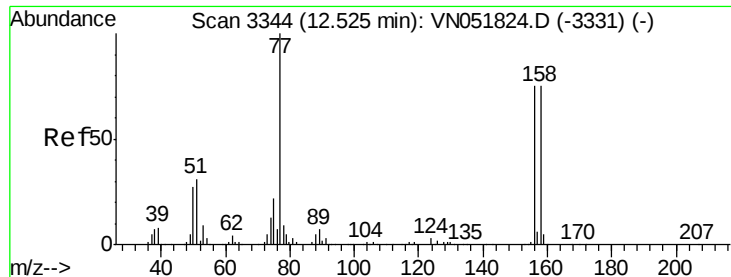
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#72
 1,2,3-Trichloropropane
 Concen: 19.763 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145548		
77	230.7	0.0	400.0	





#73

Bromobenzene

Concen: 19.488 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

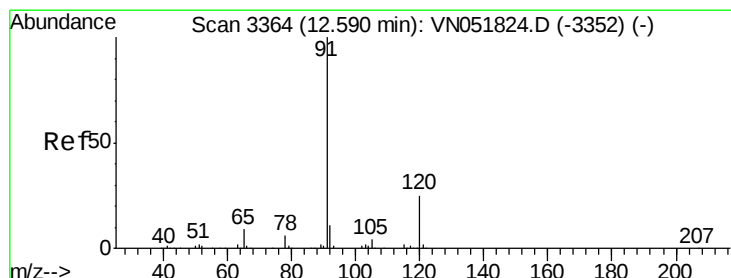
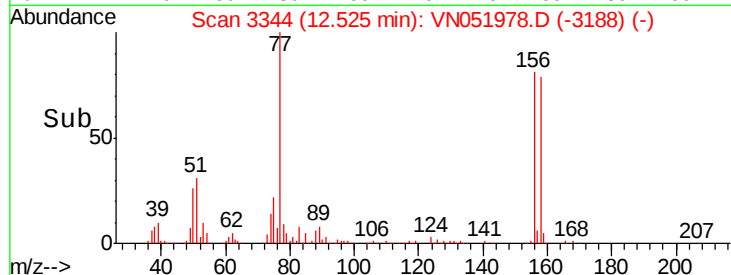
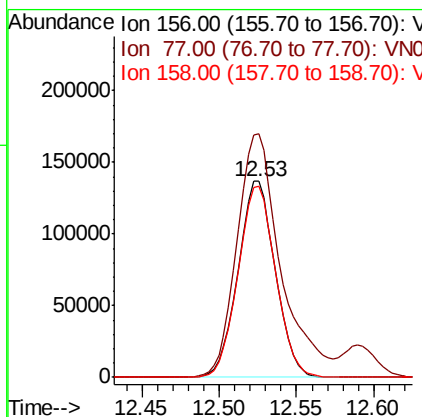
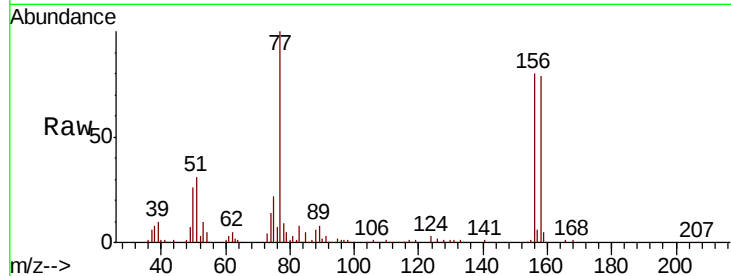
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	228826
Ion Ratio	Lower	Upper	
156	100		
77	146.7	0.0	377.4
158	98.5	0.0	203.0

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#74

n-propylbenzene

Concen: 18.034 ug/l

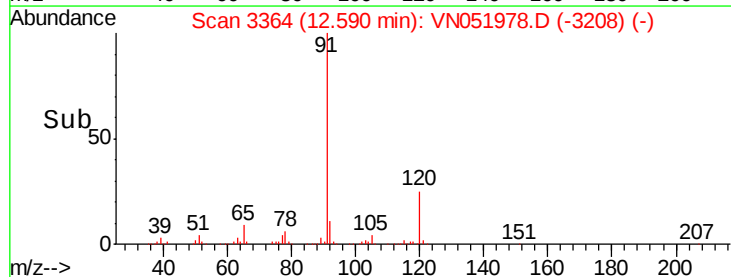
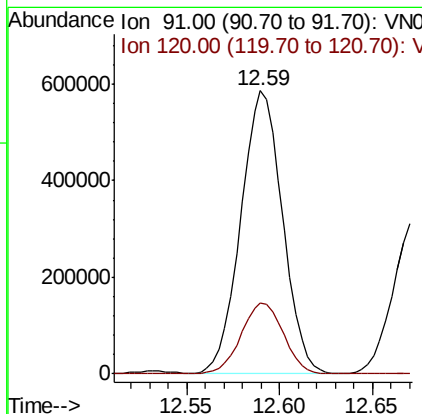
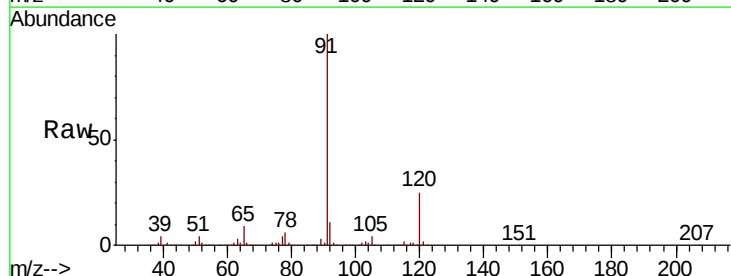
RT: 12.59 min Scan# 3364

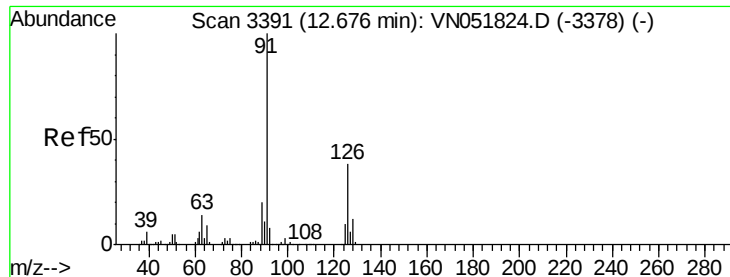
Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Tgt Ion:	91	Resp:	919591
Ion Ratio	Lower	Upper	
91	100		
120	25.3	0.0	45.0





#75

2-Chlorotoluene

Concen: 18.076 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 540354

Ion Ratio Lower Upper

91 100

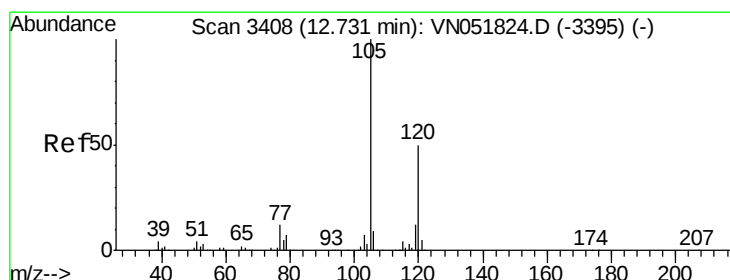
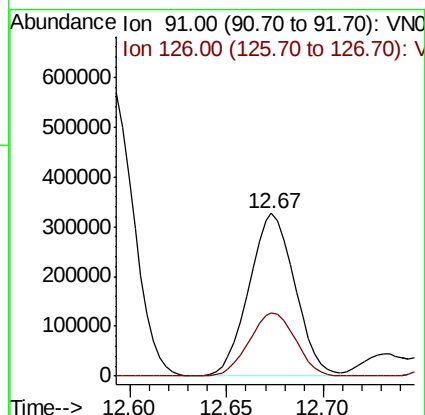
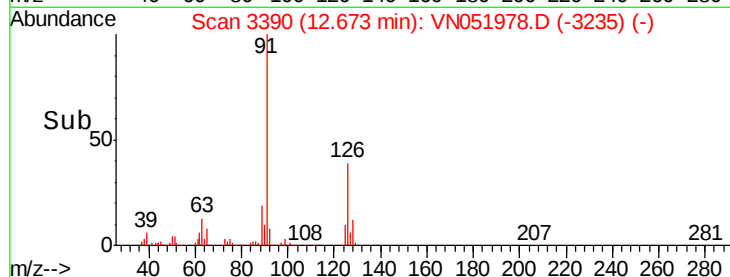
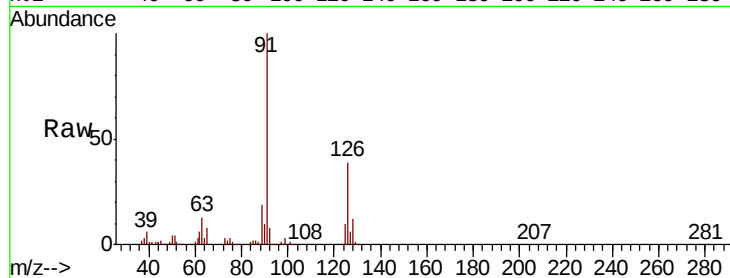
126 39.4 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 17.655 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051978.D

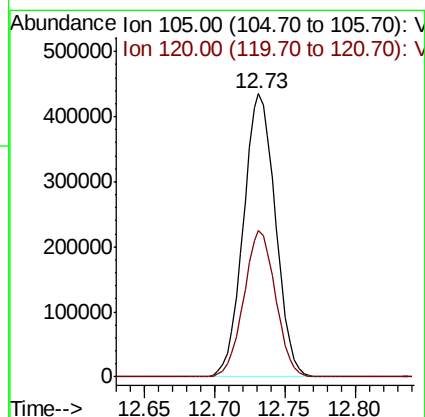
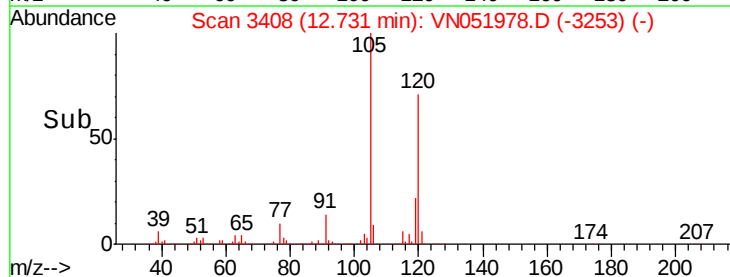
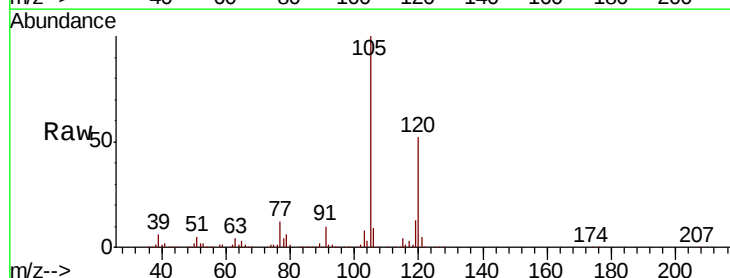
Acq: 24 Oct 2018 10:38

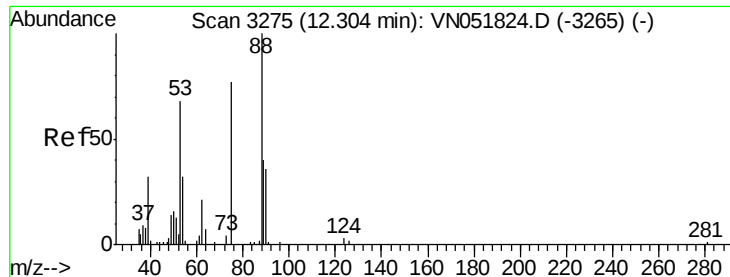
Tgt Ion: 105 Resp: 692069

Ion Ratio Lower Upper

105 100

120 51.2 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 14.988 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

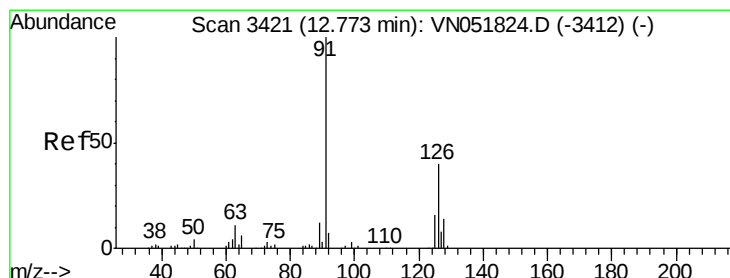
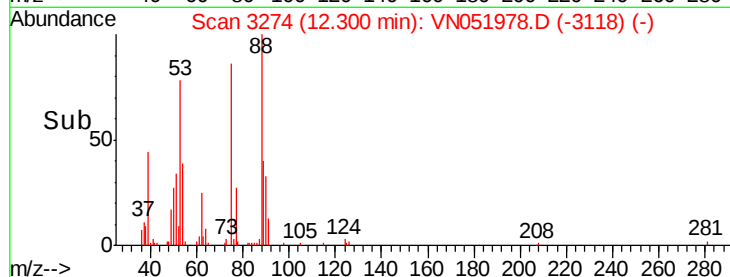
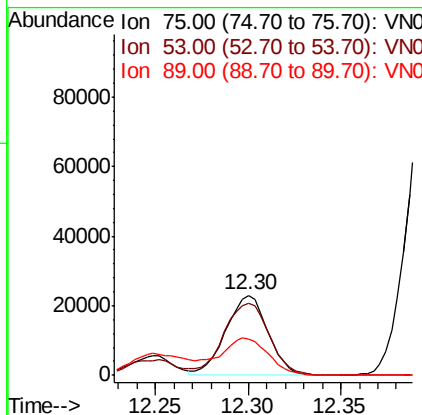
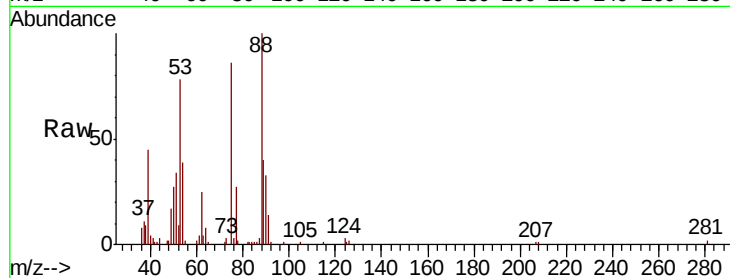
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	36506
Ion	Ratio	Lower	Upper
75	100		
53	90.3	46.3	138.9
89	46.0	24.6	73.8

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#78

4-Chlorotoluene

Concen: 18.723 ug/l

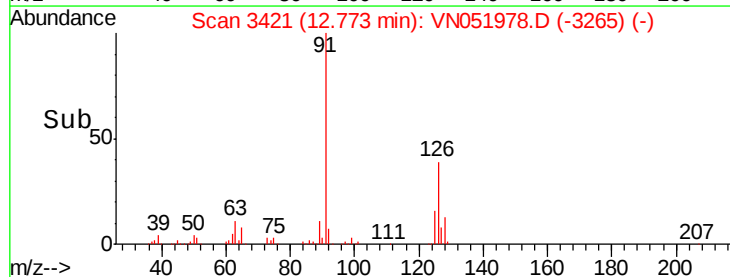
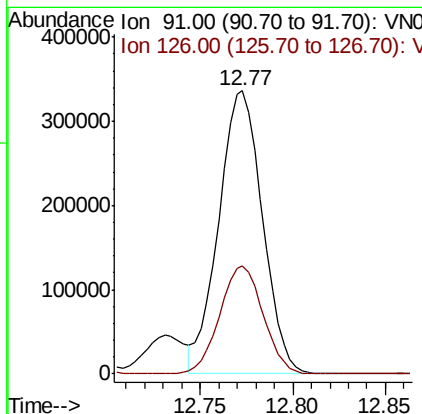
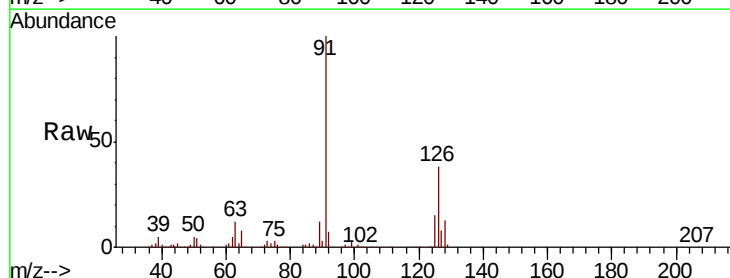
RT: 12.77 min Scan# 3421

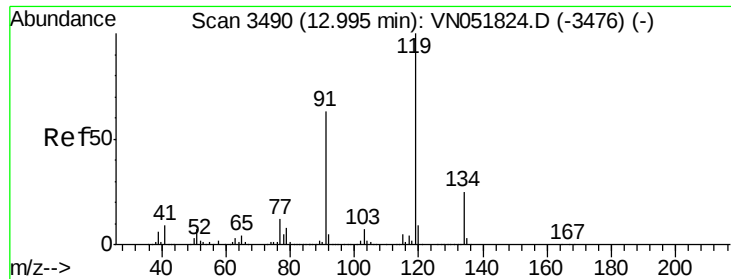
Delta R.T. 0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Tgt Ion:	91	Resp:	549905
Ion	Ratio	Lower	Upper
91	100		
126	37.9	0.0	65.2





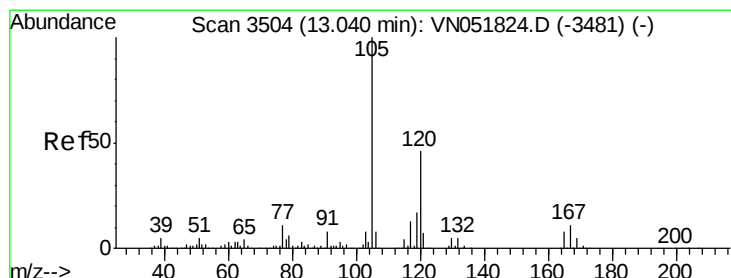
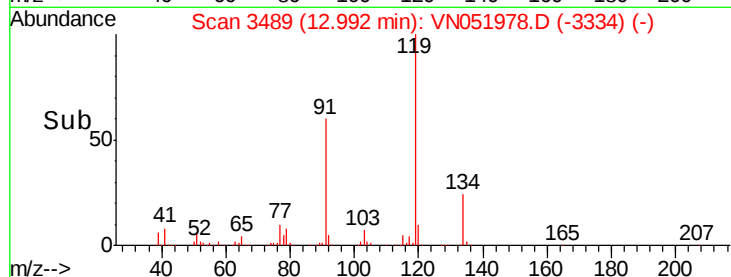
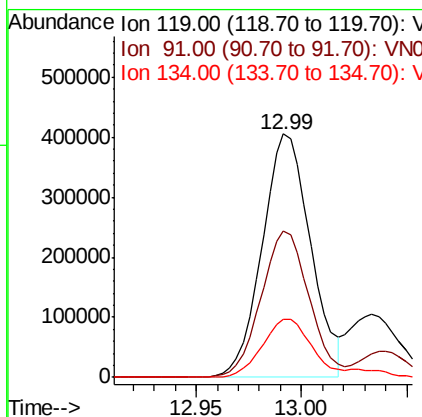
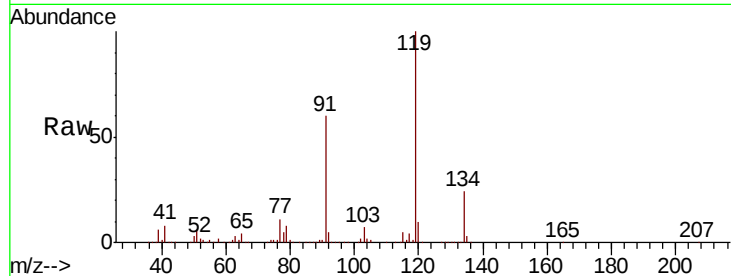
#79
tert-butylbenzene
Concen: 18.004 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	649052		
91	59.5		0.0	131.6
134	24.3		0.0	46.2

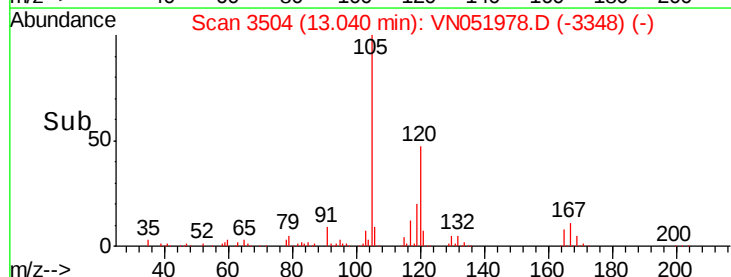
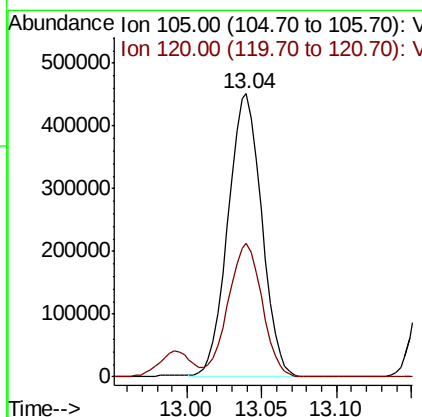
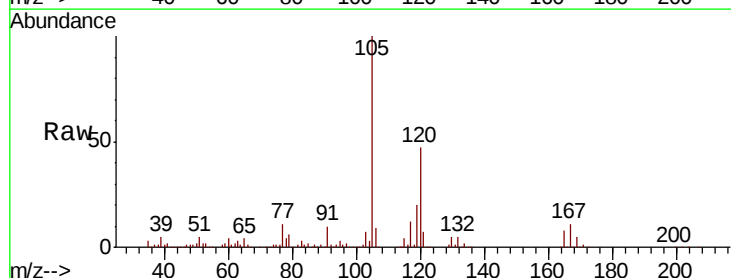
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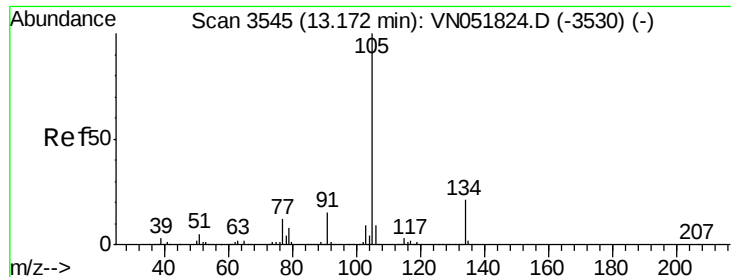
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#80
1,2,4-Trimethylbenzene
Concen: 18.124 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	710072		
120	47.3		0.0	89.6





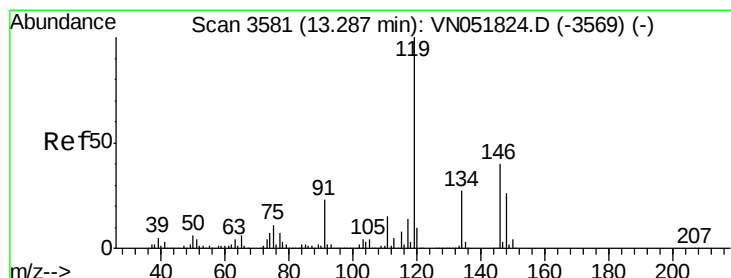
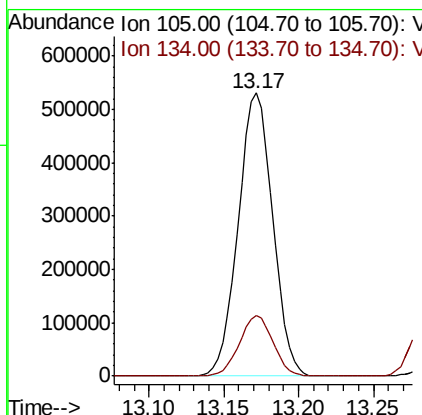
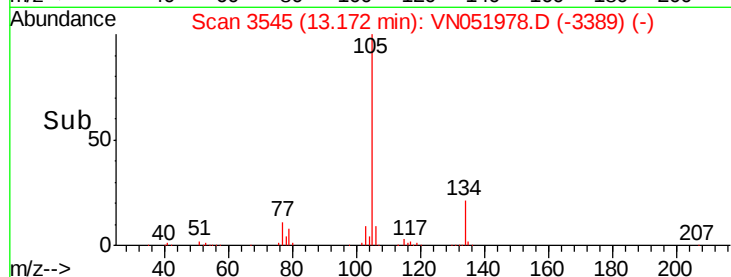
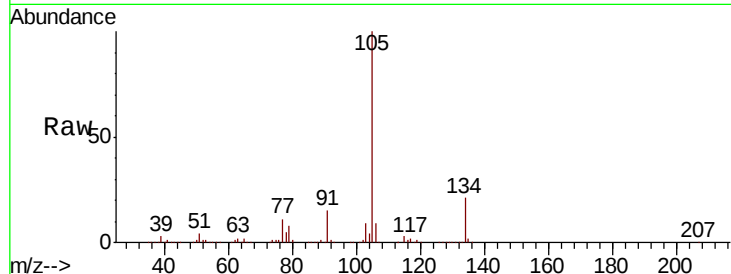
#81
 sec-Butylbenzene
 Concen: 18.053 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	0.0	39.4

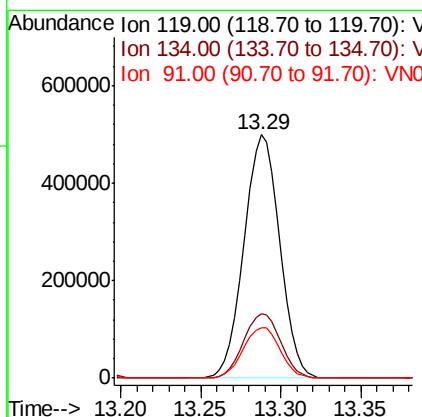
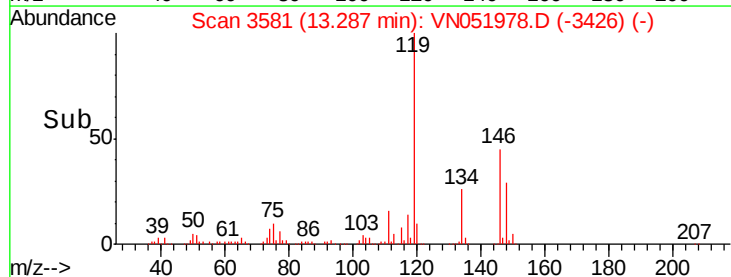
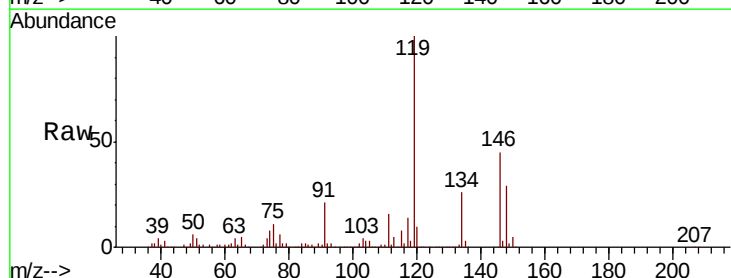
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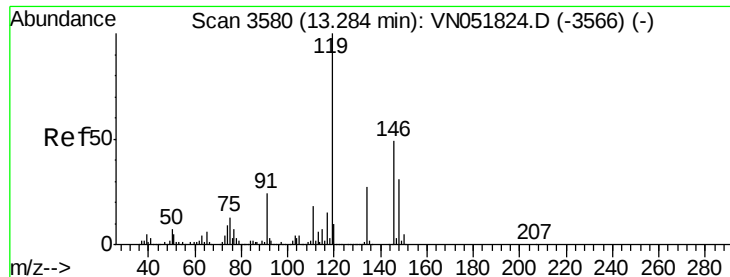
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#82
 p-Isopropyltoluene
 Concen: 17.970 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	0.0	53.6
91	21.6	0.0	52.0





#83

1,3-Dichlorobenzene

Concen: 19.931 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Instrument :

MSVOA_N

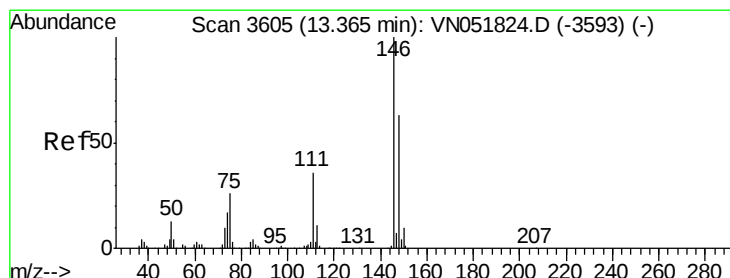
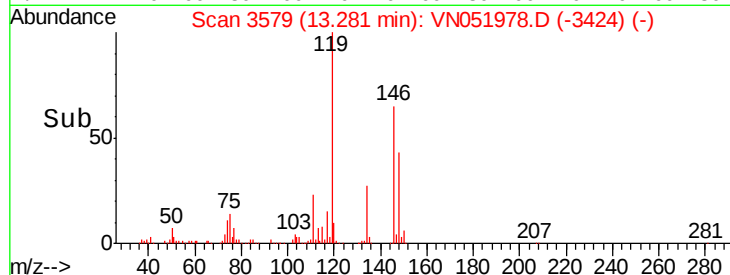
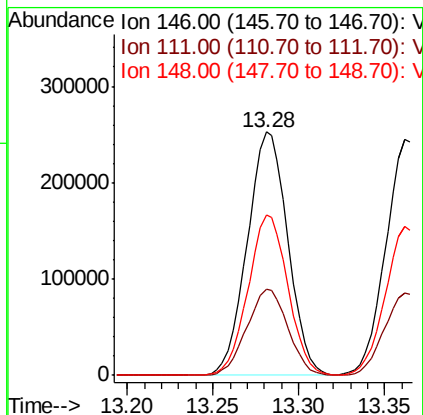
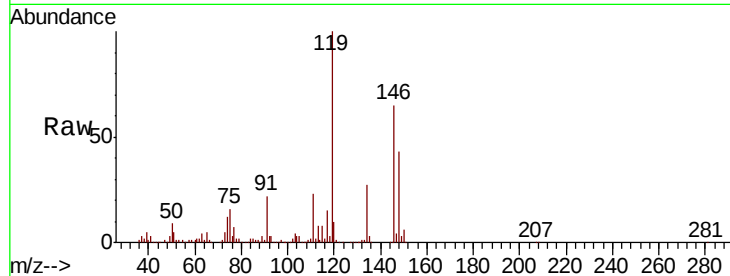
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	412936
Ion Ratio	Lower	Upper	
146	100		
111	35.7	18.1	54.3
148	64.7	31.3	93.8

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#84

1,4-Dichlorobenzene

Concen: 20.508 ug/l

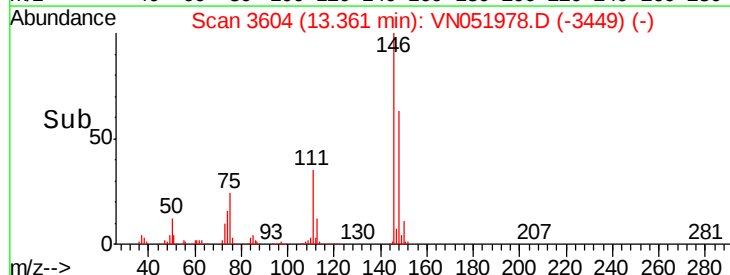
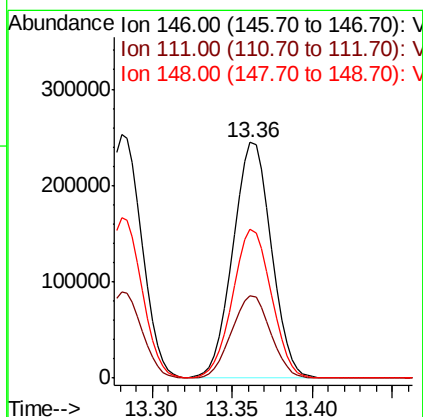
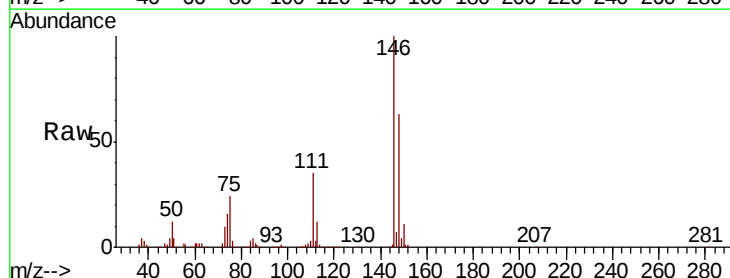
RT: 13.36 min Scan# 3604

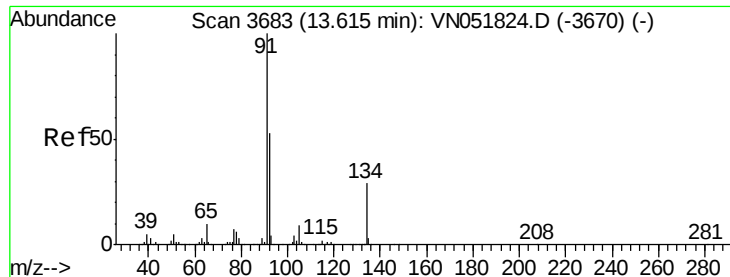
Delta R.T. -0.00 min

Lab File: VN051978.D

Acq: 24 Oct 2018 10:38

Tgt Ion:	146	Resp:	400006
Ion Ratio	Lower	Upper	
146	100		
111	35.5	17.4	52.2
148	63.8	32.8	98.3





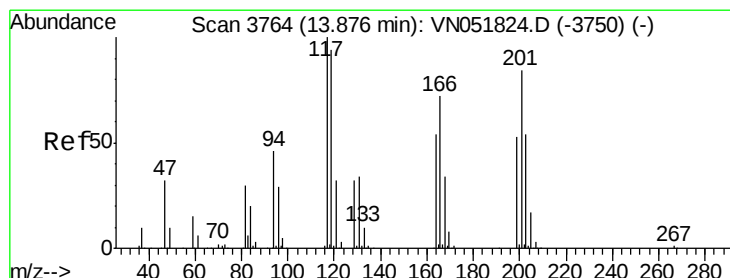
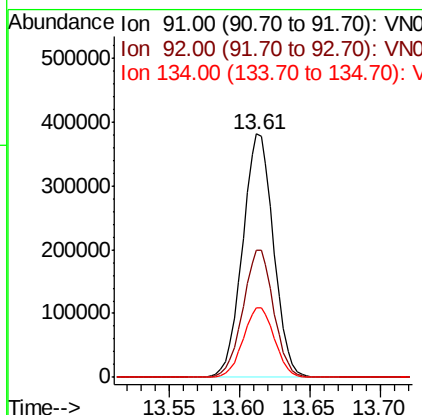
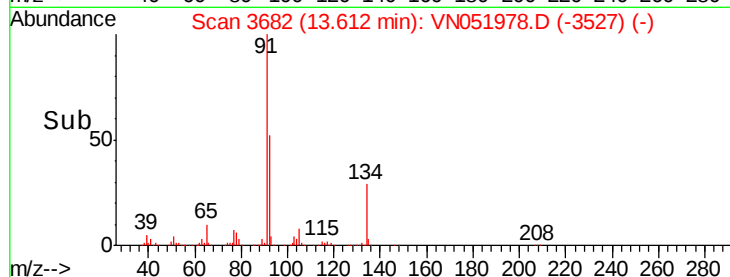
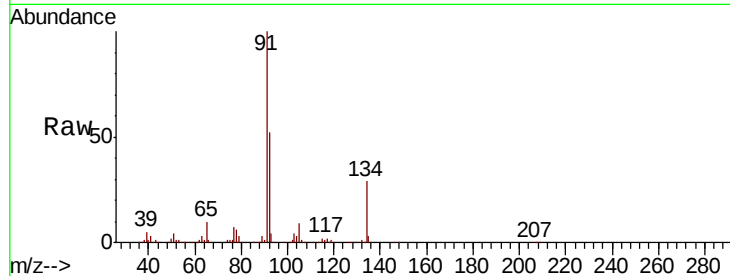
#85
n-Butylbenzene
Concen: 18.371 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	97.4
134	29.0	0.0	49.6

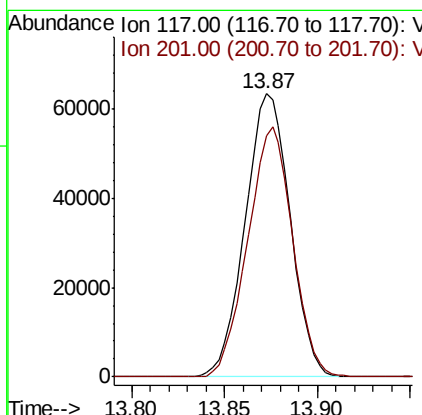
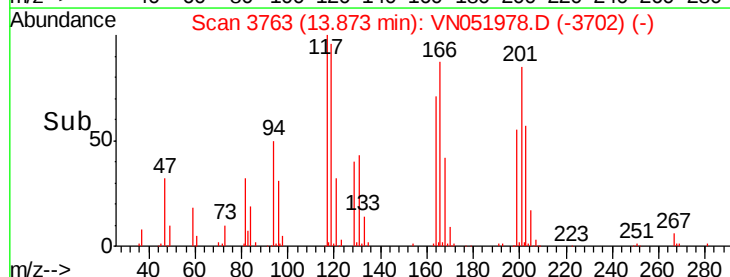
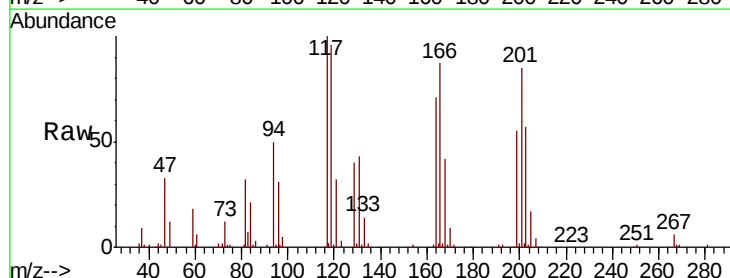
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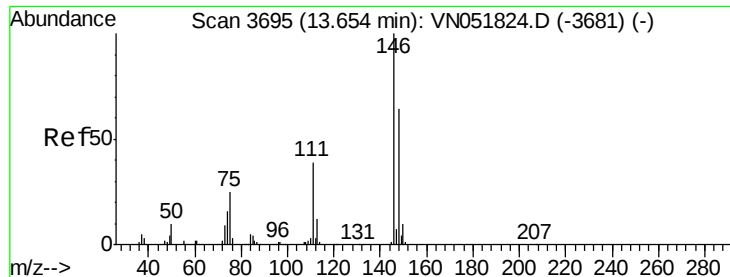
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#86
Hexachloroethane
Concen: 14.679 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	47.8	143.3





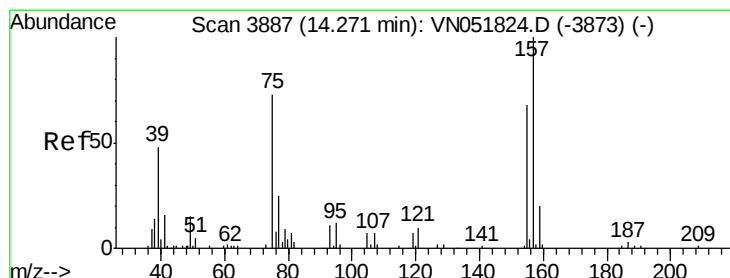
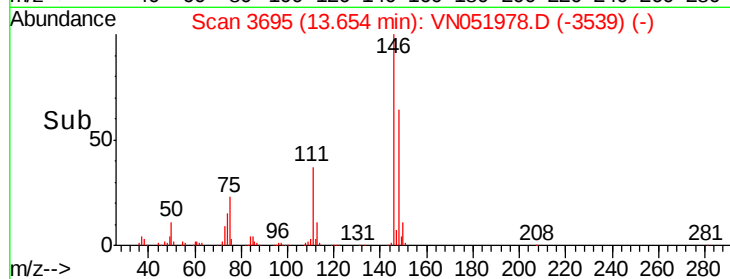
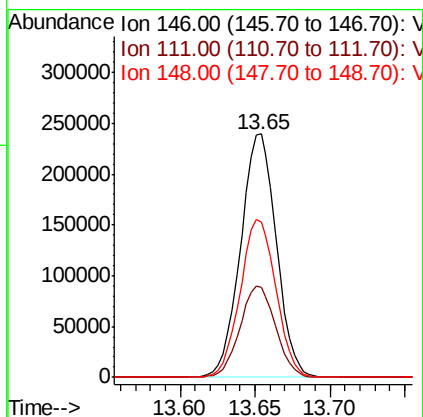
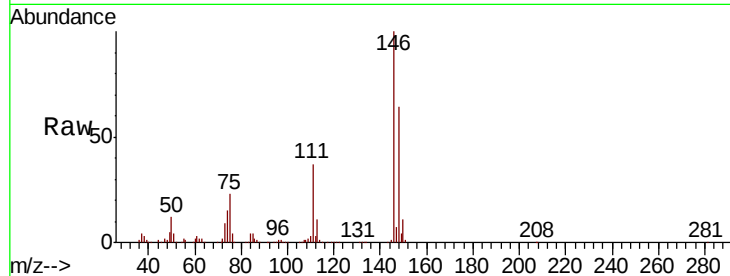
#87
 1,2-Dichlorobenzene
 Concen: 19.850 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.8	62.2
148	64.8	33.2	99.6

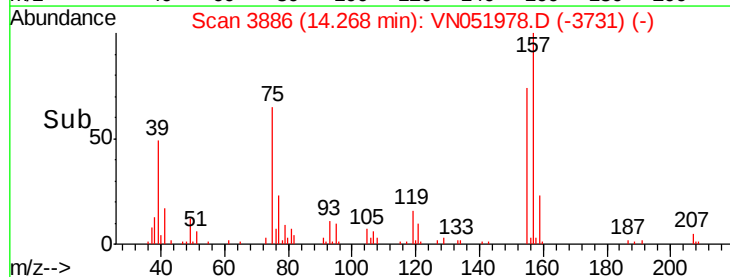
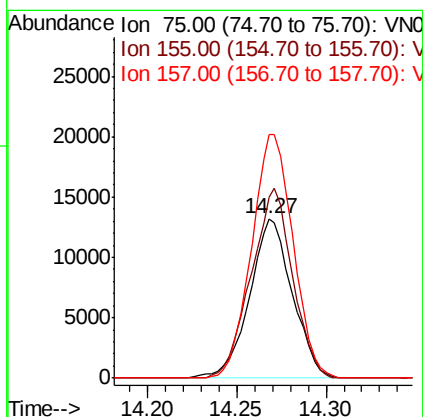
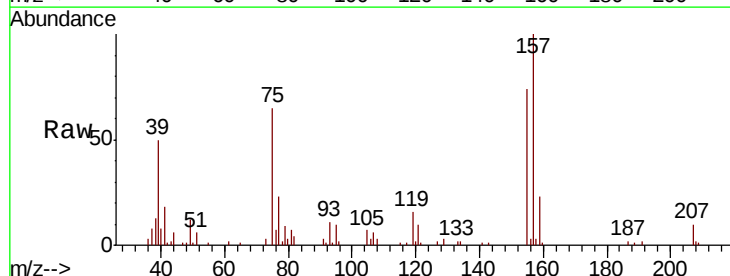
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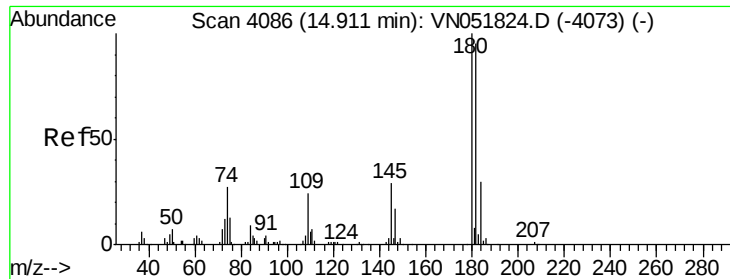
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.769 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	116.1	57.0	85.6#
157	149.0	87.4	131.0#





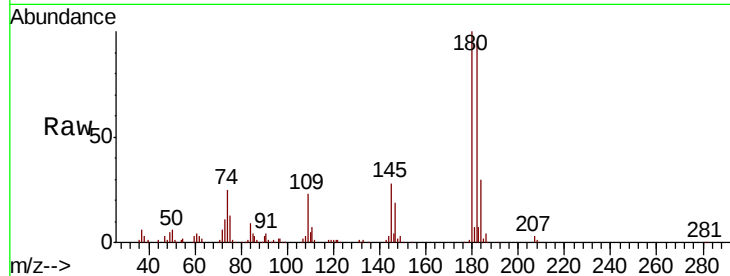
#89
 1,2,4-Trichlorobenzene
 Concen: 22.590 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.7	116.5
145	29.0	23.4	35.2

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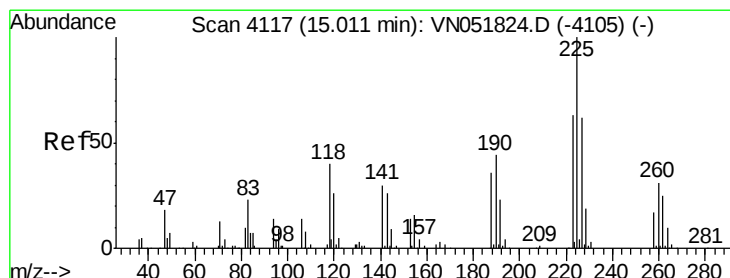
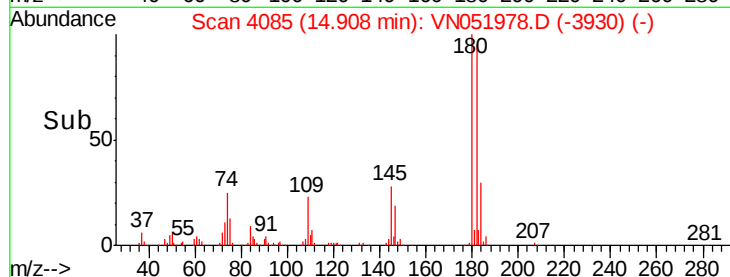
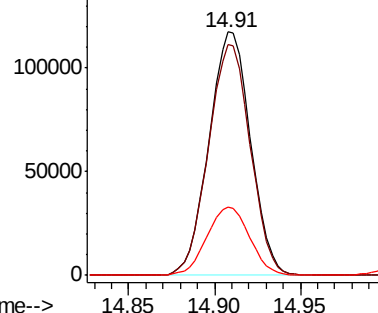


Abundance

Ion 180.00 (179.70 to 180.70): V

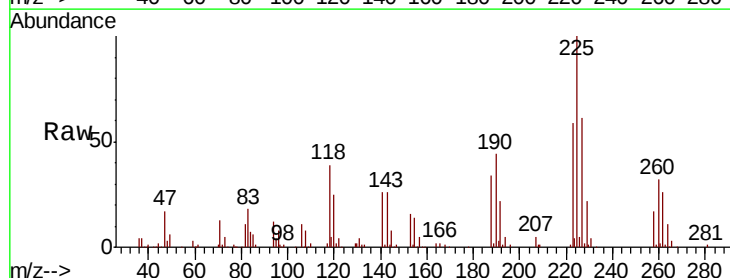
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 17.703 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051978.D
 Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	0.0	117.0
227	61.8	0.0	127.0

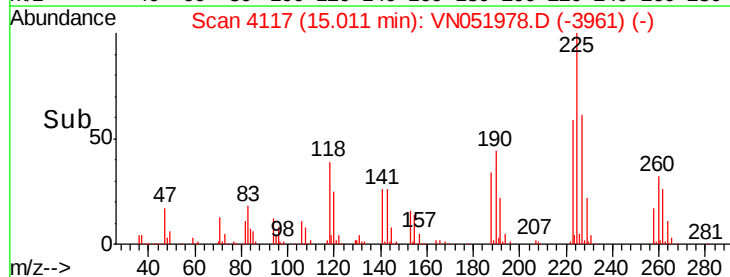
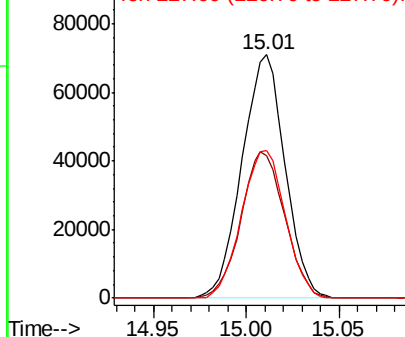


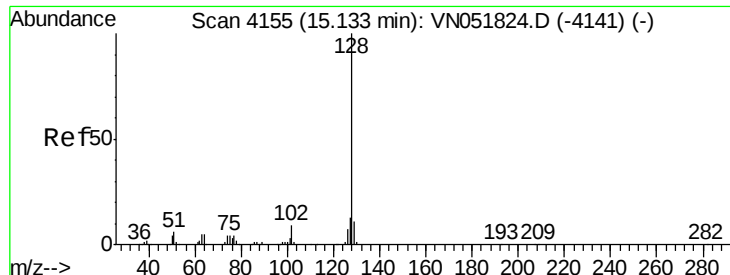
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





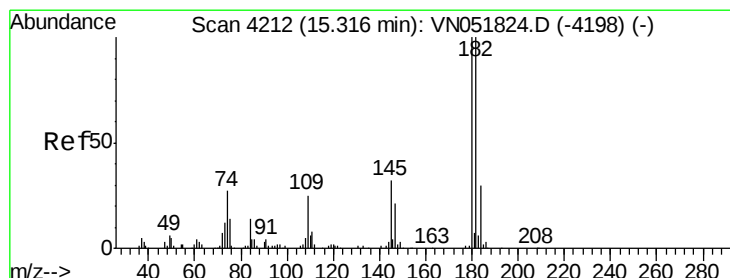
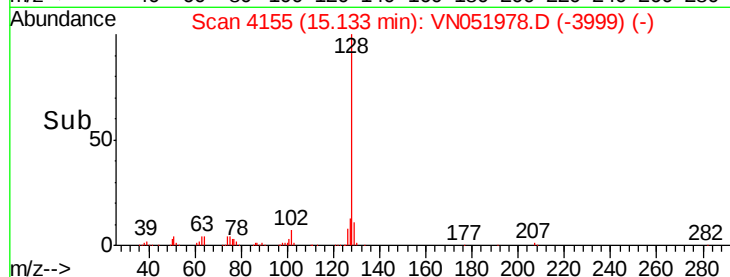
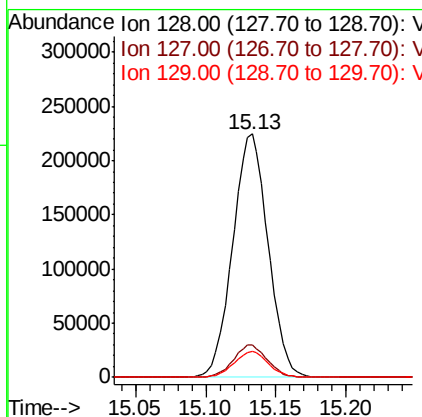
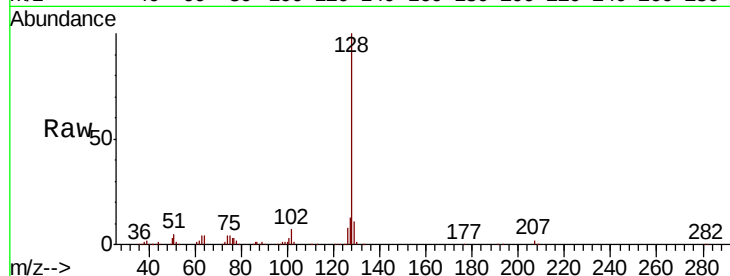
#91
Naphthalene
Concen: 22.896 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.4	8.4	12.6

Manual Integrations
APPROVED

apatel
10/25/2018 9:23:45 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.024 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051978.D
Acq: 24 Oct 2018 10:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	198.0
145	30.2	0.0	36.8

