

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052494.D
 Acq On : 27 Nov 2018 22:59
 Operator : MD\SY
 Sample : VN1127WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1127WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:32:31 AM

Quant Time: Nov 28 07:21:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	181642	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1061589	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	928357	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	364691	29.47	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	98.23%		
60) 4-Bromofluorobenzene	12.40	95	419821	29.58	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	98.60%		
63) Toluene-d8	10.09	98	1287190	29.90	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	99.67%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	186957	18.07	ug/l	98
3) Chloromethane	2.06	50	251404	18.32	ug/l	100
4) Vinyl Chloride	2.19	62	259483	18.74	ug/l	97
5) Bromomethane	2.58	94	155748	19.73	ug/l	96
6) Chloroethane	2.71	64	160035	19.43	ug/l	99
7) Trichlorofluoromethane	3.02	101	324686	19.00	ug/l	100
8) Diethyl Ether	3.41	74	123774	19.61	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	199918	18.45	ug/l	99
10) 1,1-Dichloroethene	3.74	96	197640	19.40	ug/l	96
11) Methyl Iodide	3.96	142	279546	19.77	ug/l	99
12) Methyl Acetate	4.33	43	163639	18.91	ug/l	97
13) Acrolein	3.61	56	94738	93.19	ug/l	97
14) Acrylonitrile	4.99	53	352115	95.49	ug/l	99
15) Acetone	3.82	58	79596	83.35	ug/l	96
16) Carbon Disulfide	4.06	76	571195	17.71	ug/l	99
17) Allyl chloride	4.33	41	327659	18.44	ug/l	99
18) Methylene Chloride	4.55	84	227780	19.31	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	210905	19.24	ug/l	97
20) Diisopropyl ether	5.95	45	710485	19.03	ug/l	100
21) 1,1-Dichloroethane	5.85	63	410478	19.29	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	245179	19.52	ug/l	98
23) tert-Butyl Alcohol	4.78	59	52243	95.23	ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	540743	20.24	ug/l	98
25) Chloroform	7.37	83	401760	19.57	ug/l	100
26) Cyclohexane	7.65	56	369574	18.42	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	306984	18.94	ug/l	99
30) 2-Butanone	6.83	43	385485	88.86	ug/l	98
31) 2,2-Dichloropropane	6.82	77	256187	17.17	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	323723	19.19	ug/l	96
33) Carbon Tetrachloride	7.77	117	276733	18.75	ug/l	99
34) Benzene	8.04	78	929873	19.08	ug/l	98
35) Methacrylonitrile	7.17	41	83859	15.58	ug/l	97
36) 1,2-Dichloroethane	8.12	62	285137	19.31	ug/l	100
37) Trichloroethene	8.83	130	241092	19.51	ug/l	97
38) Methylcyclohexane	9.08	83	356486	17.76	ug/l	98
39) 1,2-Dichloropropane	9.12	63	246751	18.89	ug/l	97
40) Dibromomethane	9.21	93	136118	19.28	ug/l	97

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Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	291257	18.67	ug/l	100
42) Vinyl Acetate	5.90	43	2180154	92.89	ug/l	98
43) Ethyl Acetate	6.93	43	174226	18.89	ug/l #	67
44) Isopropyl Acetate	8.17	43	320153	19.79	ug/l	97
45) 1,4-Dioxane	9.20	88	32958	372.40	ug/l	99
46) Methyl methacrylate	9.20	41	158587	18.88	ug/l	97
47) n-amyl Acetate	12.07	43	243716	18.17	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	274877	18.17	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	340618	18.48	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	197337	19.72	ug/l	98
51) Ethyl methacrylate	10.43	69	243833	19.40	ug/l	97
52) 1,3-Dichloropropane	10.71	76	346582	19.46	ug/l	99
53) Dibromochloromethane	10.90	129	207094	18.80	ug/l	98
54) 1,2-Dibromoethane	11.01	107	194573	19.90	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	691091	93.93	ug/l	98
56) Bromoform	12.13	173	137348	19.07	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	880825	97.87	ug/l	98
59) 2-Hexanone	10.75	43	570578	92.80	ug/l	98
61) Tetrachloroethene	10.63	164	237585	20.78	ug/l	97
62) Toluene	10.16	91	1014214	19.82	ug/l	99
64) Chlorobenzene	11.44	112	608014	19.46	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	205211	18.93	ug/l	98
66) Ethyl Benzene	11.51	91	1066748	19.34	ug/l	99
67) m/p-Xylenes	11.62	106	811572	39.49	ug/l	99
68) o-Xylene	11.95	106	396085	19.86	ug/l	100
69) Styrene	11.96	104	624990	19.41	ug/l	100
70) Isopropylbenzene	12.25	105	1038788	19.57	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	223042	19.32	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	189272m	19.10	ug/l	
73) Bromobenzene	12.53	156	254499	19.83	ug/l	96
74) n-propylbenzene	12.59	91	1174937	19.00	ug/l	99
75) 2-Chlorotoluene	12.68	91	697276	19.43	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	839449	19.58	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	54395	17.38	ug/l	98
78) 4-Chlorotoluene	12.77	91	683164	19.06	ug/l	100
79) tert-butylbenzene	12.99	119	744988	19.96	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	842216	19.64	ug/l	100
81) sec-Butylbenzene	13.17	105	1003057	19.29	ug/l	100
82) p-Isopropyltoluene	13.29	119	842072	19.02	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	432094	19.14	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	417352	19.14	ug/l	99
85) n-Butylbenzene	13.62	91	674731	17.74	ug/l	99
86) Hexachloroethane	13.88	117	135432	18.05	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	425716	19.82	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31064	19.21	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	190978	18.05	ug/l	99
90) Hexachlorobutadiene	15.01	225	131305	18.91	ug/l	98
91) Naphthalene	15.13	128	393912	18.43	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	180436	18.50	ug/l	98

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ClientSampleId :
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Manual Integrations
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QLast Update : Tue Nov 27 00:48:33 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

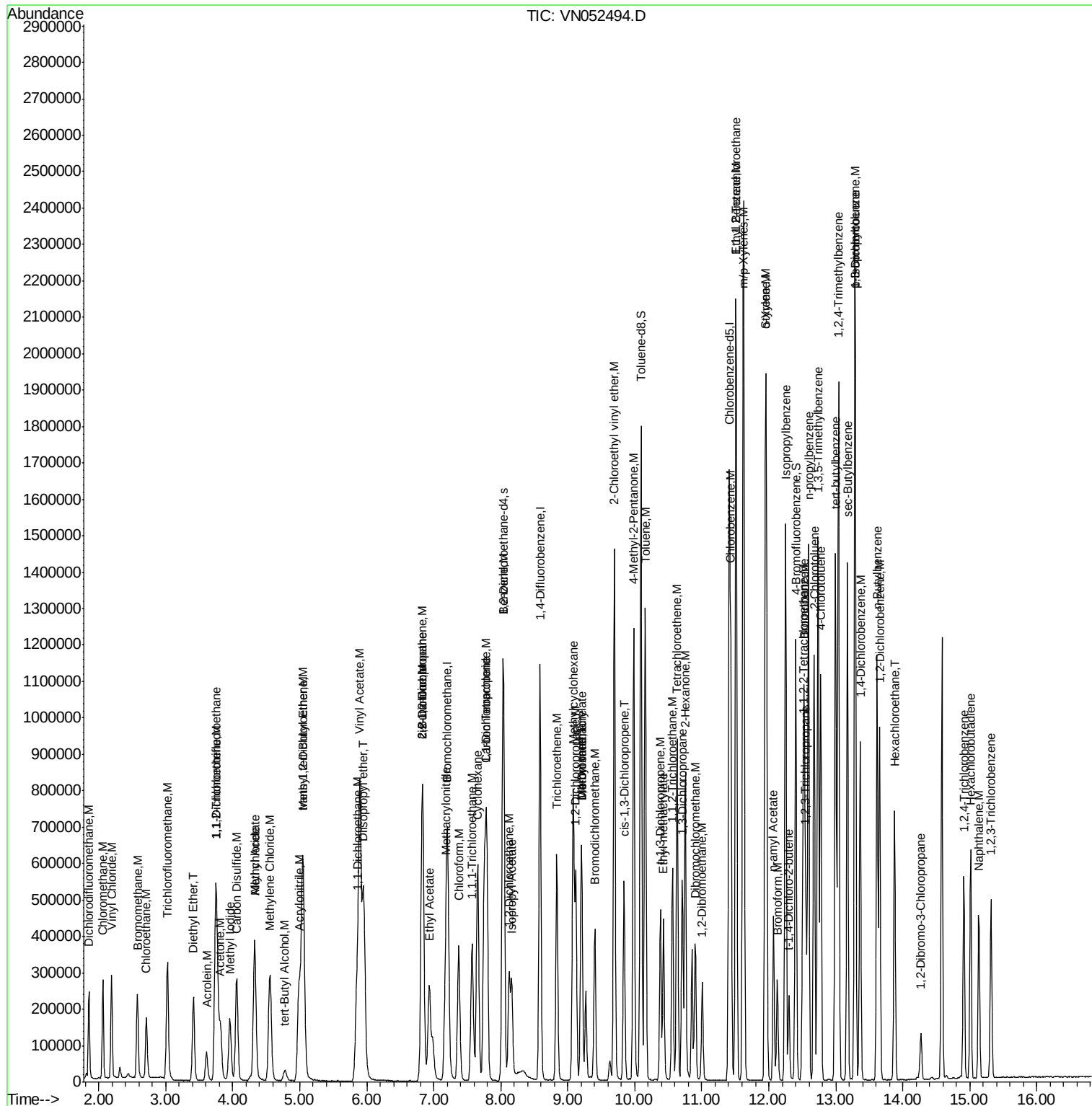
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Data File : VN052494.D
Acq On : 27 Nov 2018 22:59
Operator : MD\SY
Sample : VN1127WBS02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 31 Sample Multiplier: 28

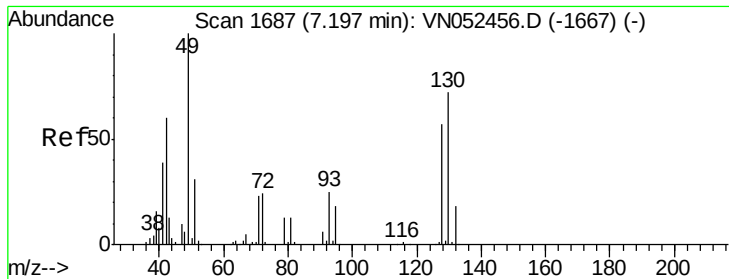
Instrument :
MSVOA_N
Client Sample Id :
VN1127WBS02

Manual Integrations
APPROVED

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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

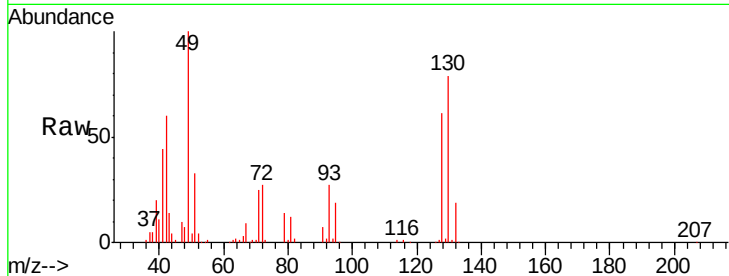
ClientSampleId :

VN1127WBS02

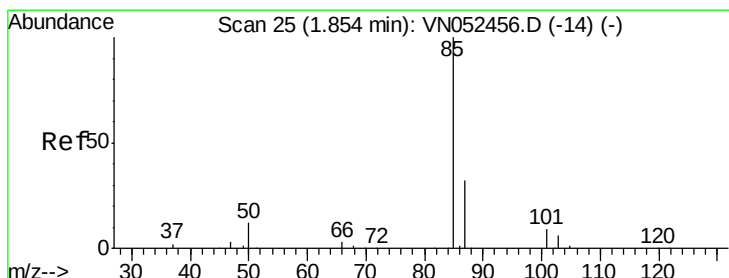
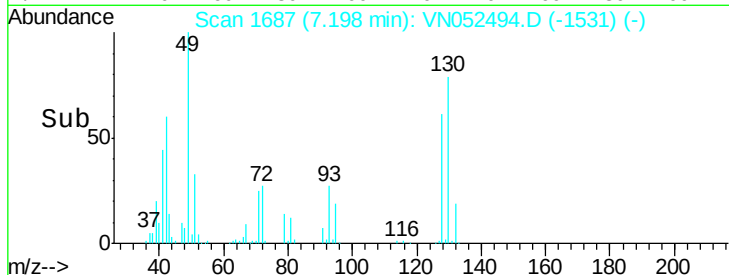
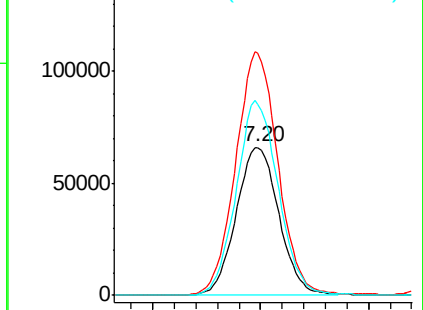
Tgt Ion:	128	Resp:	181642
Ion	Ratio	Lower	Upper
128	100		
49	163.3	0.0	431.8
130	130.2	0.0	317.0

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.07 ug/l

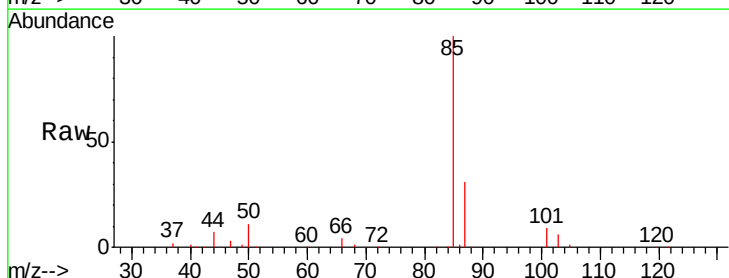
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

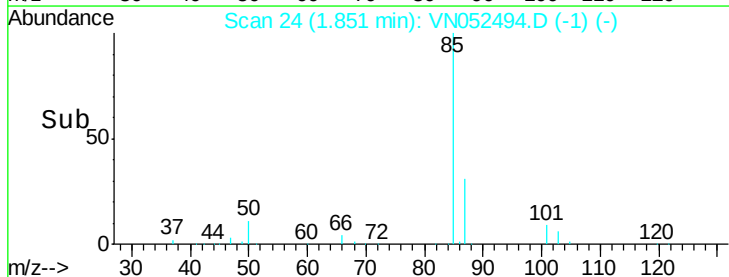
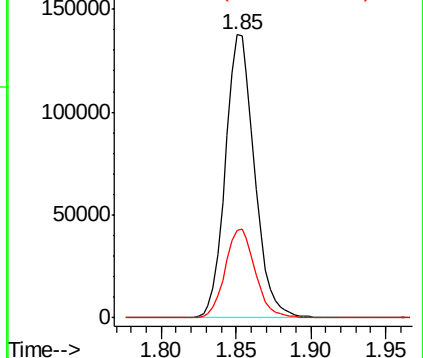
Lab File: VN052494.D

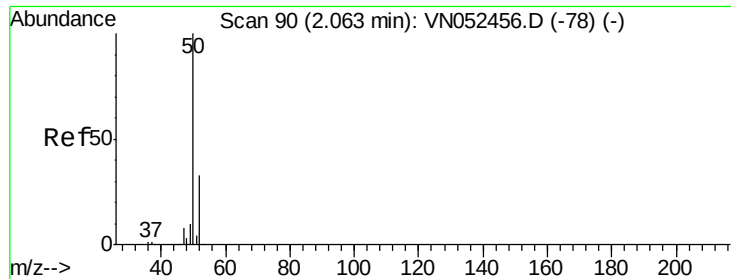
Acq: 27 Nov 2018 22:59

Tgt Ion:	85	Resp:	186957
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.32 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion: 50 Resp: 251404

Ion Ratio Lower Upper

50 100

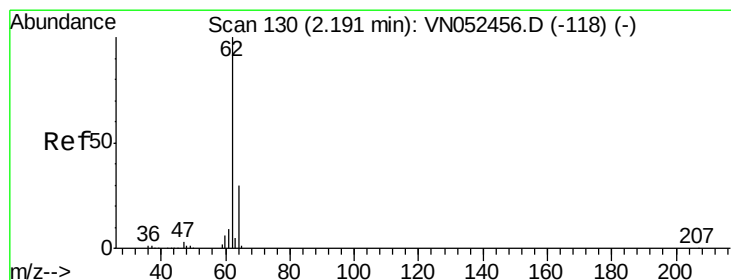
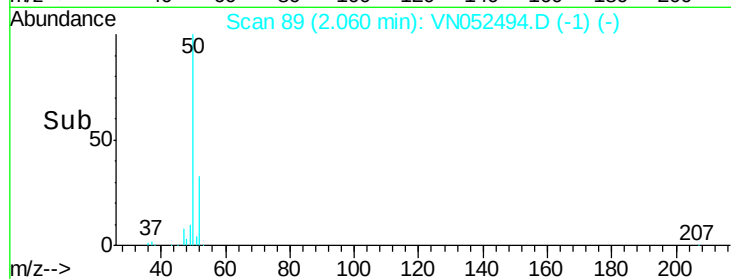
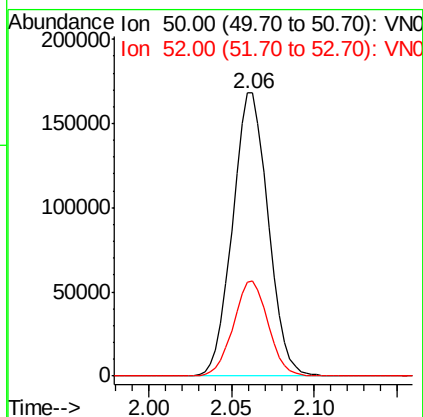
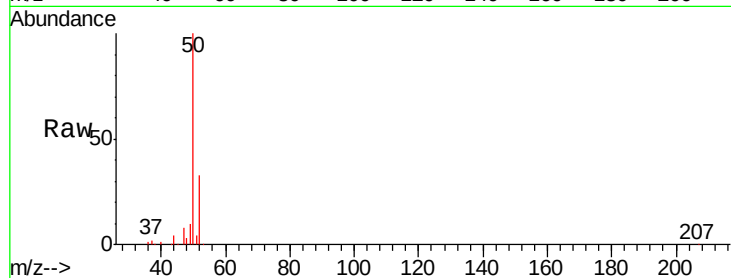
52 33.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.74 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052494.D

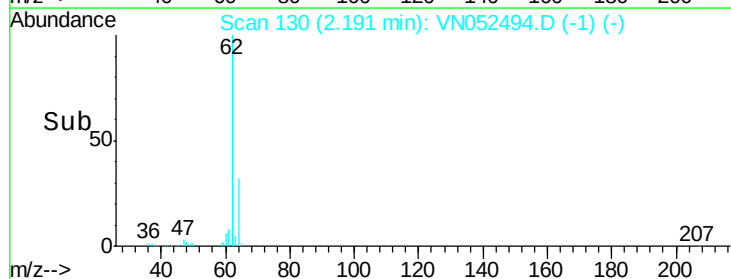
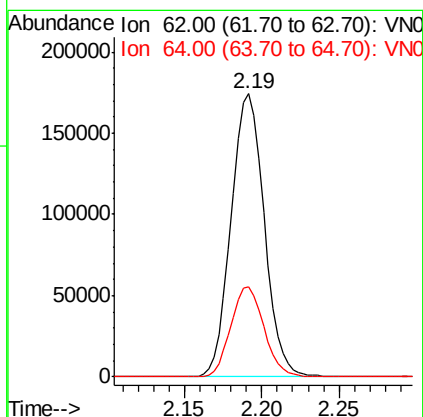
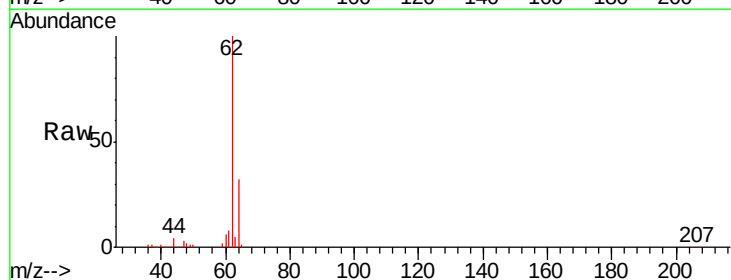
Acq: 27 Nov 2018 22:59

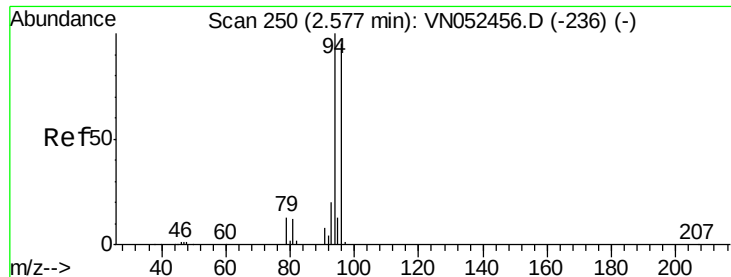
Tgt Ion: 62 Resp: 259483

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.4





#5

Bromomethane

Concen: 19.73 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

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ClientSampleId :

VN1127WBS02

Tgt Ion: 94 Resp: 155748

Ion Ratio Lower Upper

94 100

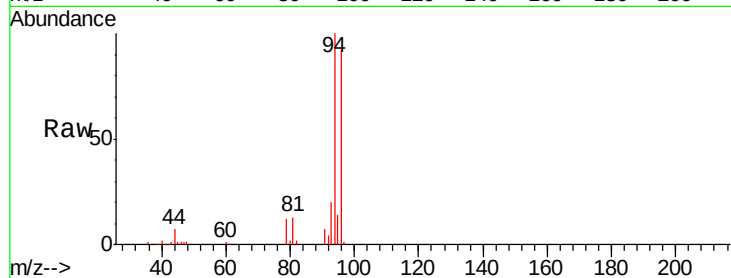
96 91.5 76.2 114.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

100000

80000

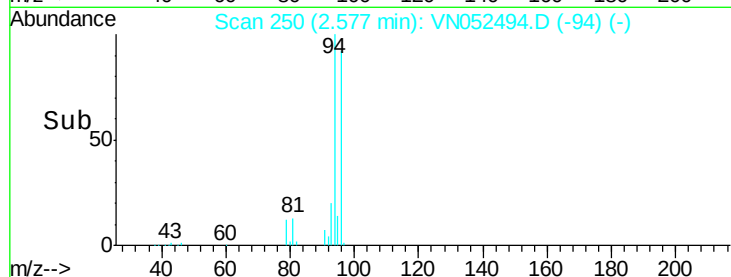
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40000

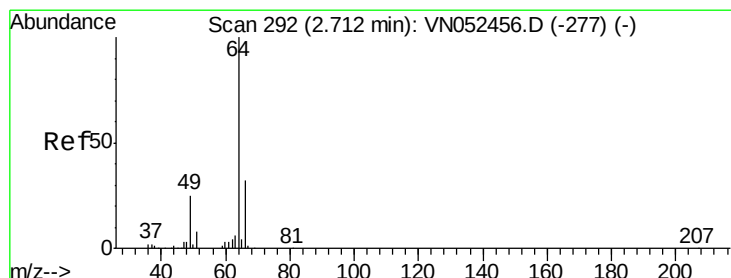
20000

0

Time-->



Time-->



#6

Chloroethane

Concen: 19.43 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052494.D

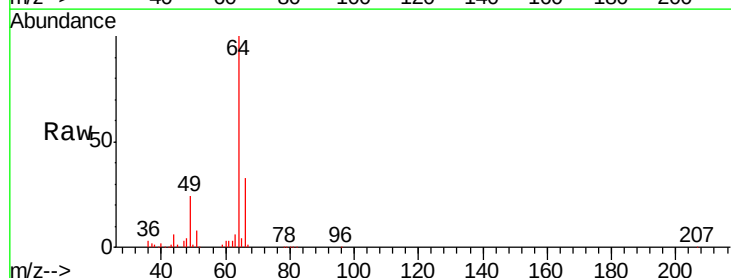
Acq: 27 Nov 2018 22:59

Tgt Ion: 64 Resp: 160035

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

100000

80000

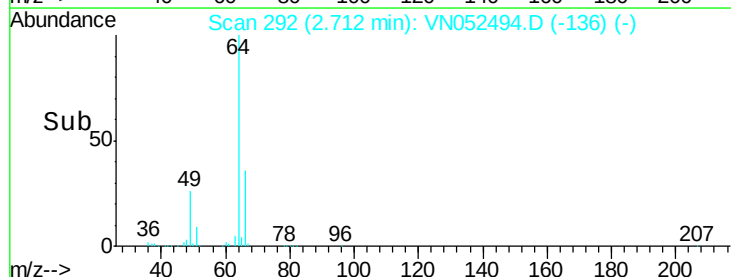
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40000

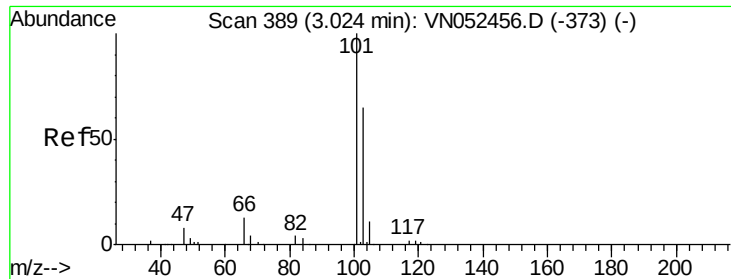
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Time-->



Time-->



#7

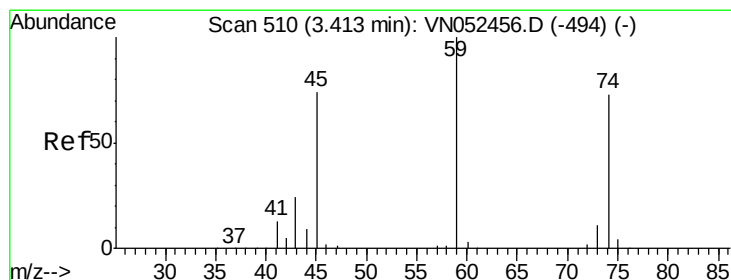
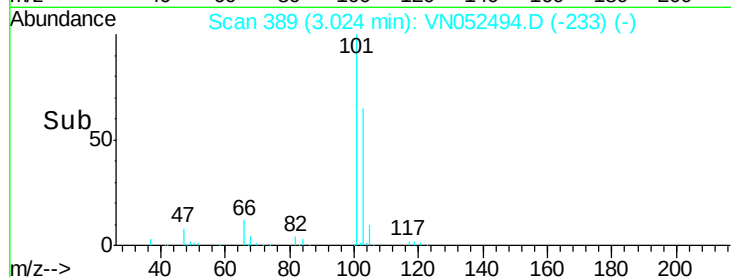
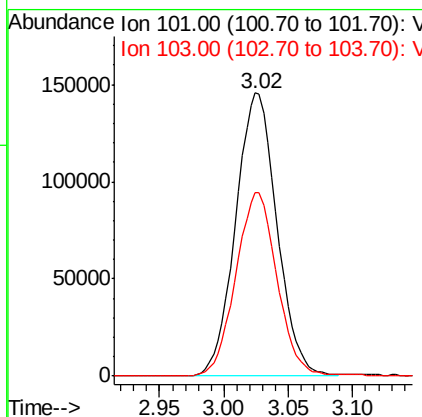
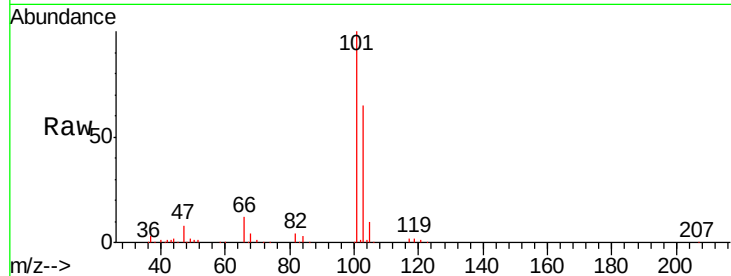
Trichlorofluoromethane
Concen: 19.00 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
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ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.1	78.1

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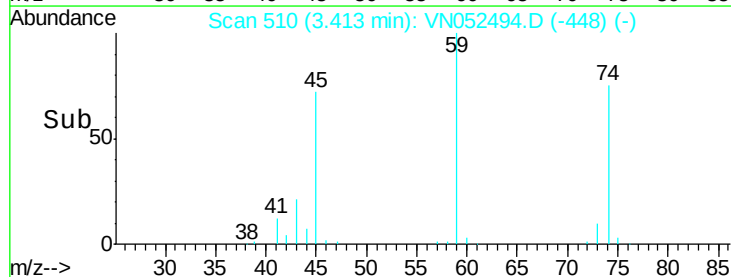
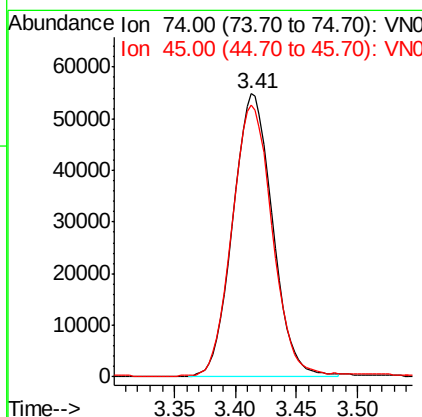
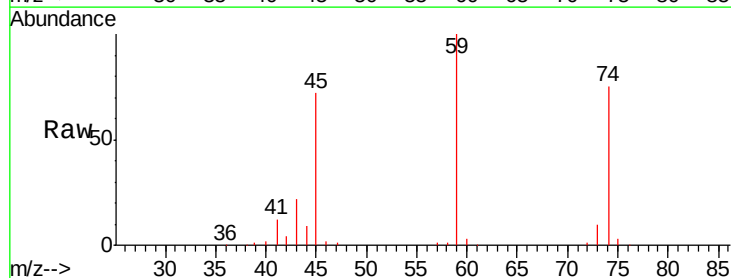
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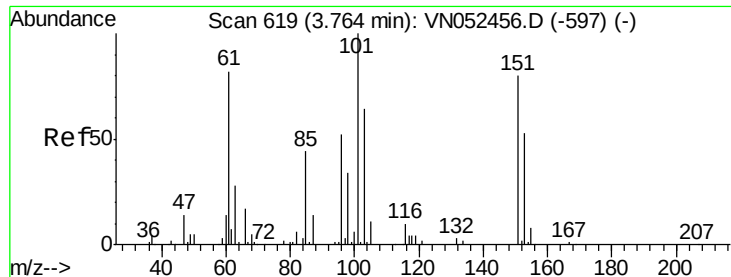


#8

Diethyl Ether
Concen: 19.61 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.45 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052494.D

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Instrument :

MSVOA_N

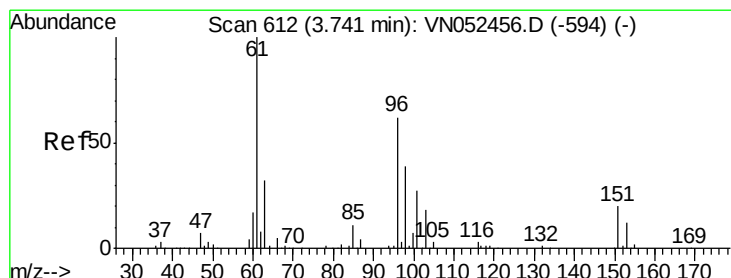
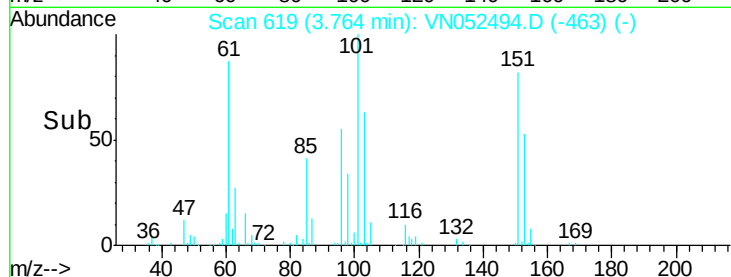
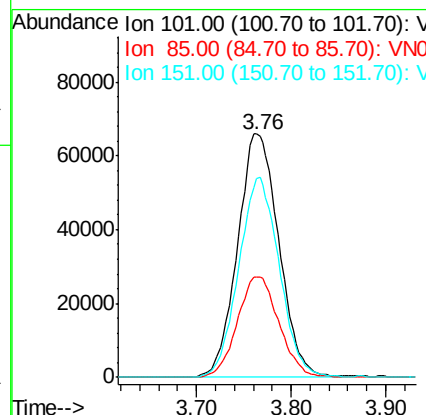
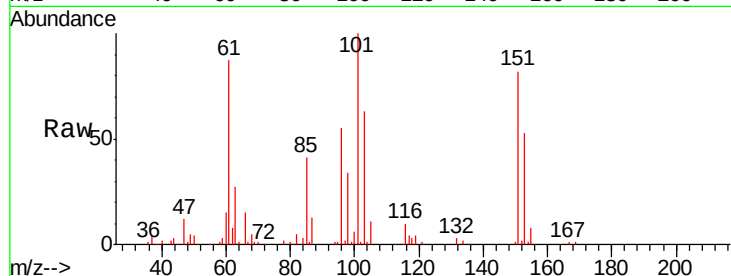
ClientSampleId :

VN1127WBS02

Tgt Ion:	101	Resp:	199918
Ion Ratio	Lower	Upper	
101	100		
85	41.5	0.0	82.6
151	80.8	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 19.40 ug/l

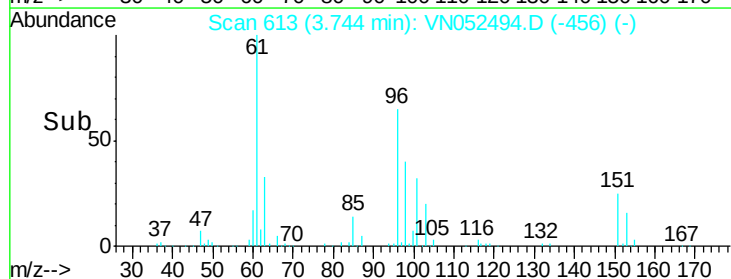
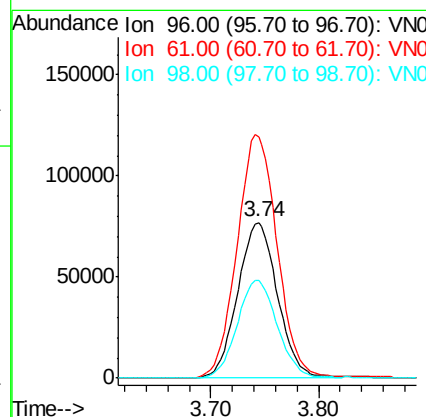
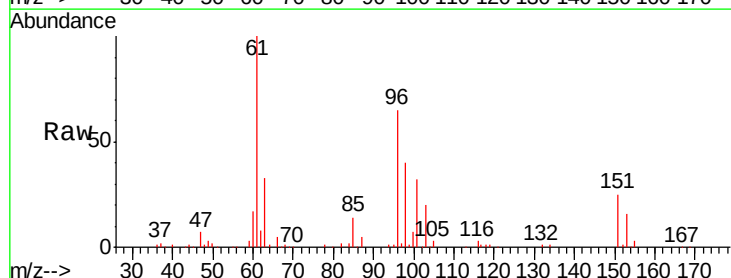
RT: 3.74 min Scan# 613

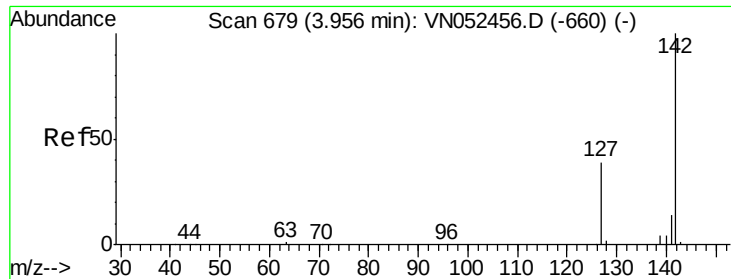
Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	96	Resp:	197640
Ion Ratio	Lower	Upper	
96	100		
61	154.3	129.4	194.2
98	62.4	50.4	75.6





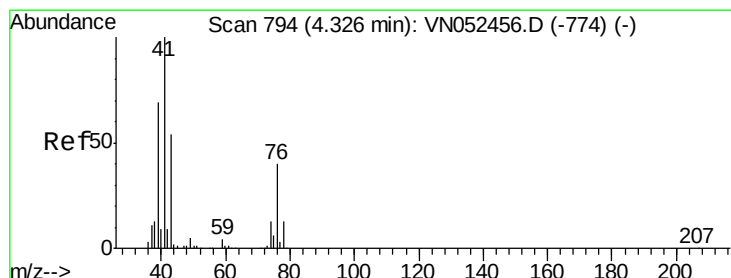
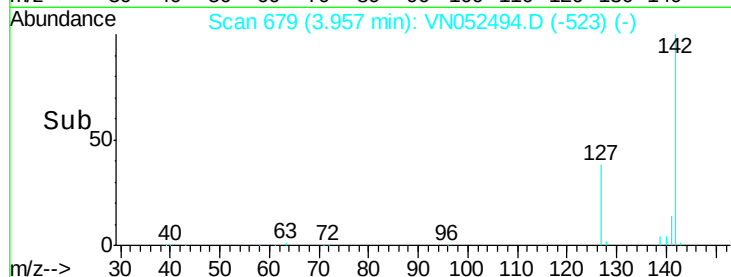
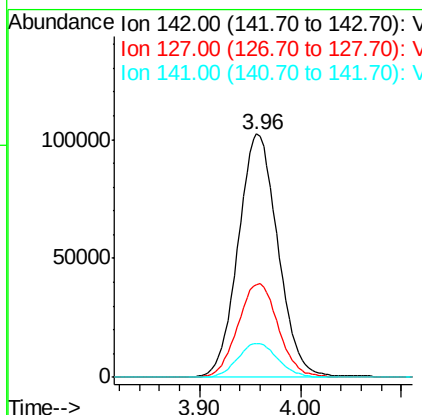
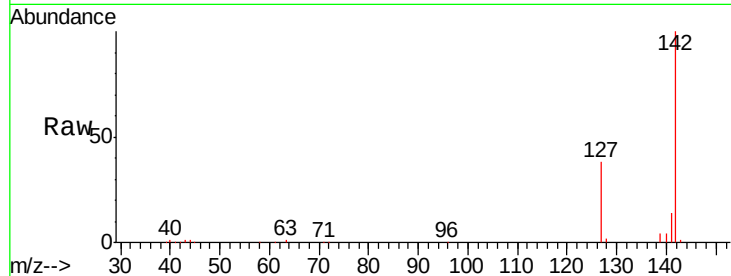
#11
Methyl Iodide
Concen: 19.77 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.3	19.4	58.1
141	14.0	7.2	21.6

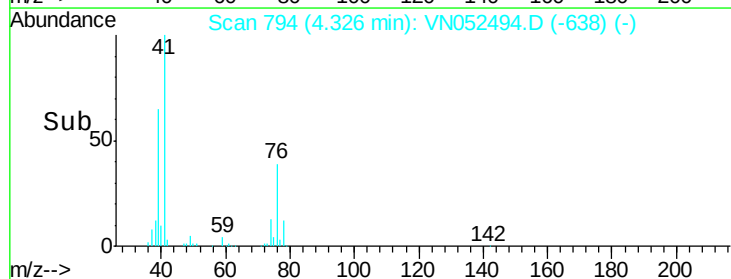
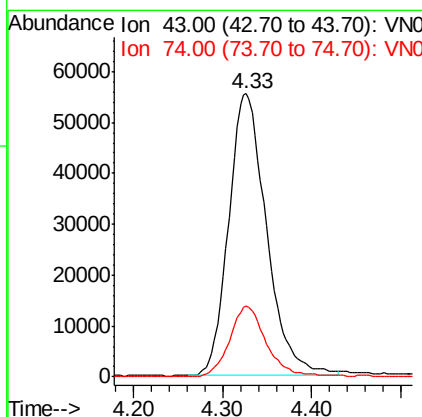
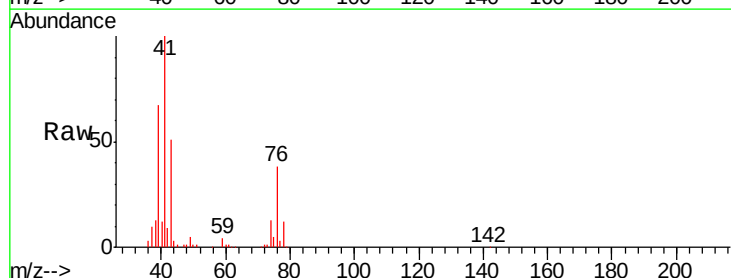
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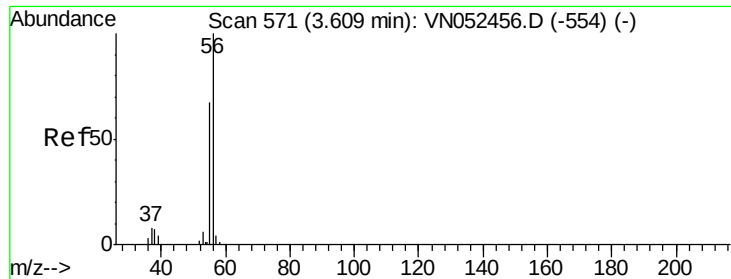
MMDadoda
11/28/2018 9:32:31 AM



#12
Methyl Acetate
Concen: 18.91 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	18.9	28.3





#13

Acrolein

Concen: 93.19 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion: 56 Resp: 94738

Ion Ratio Lower Upper

56 100

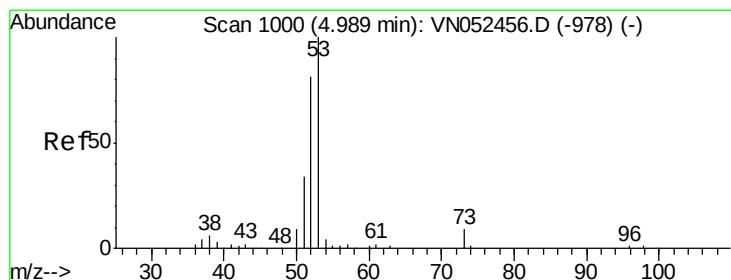
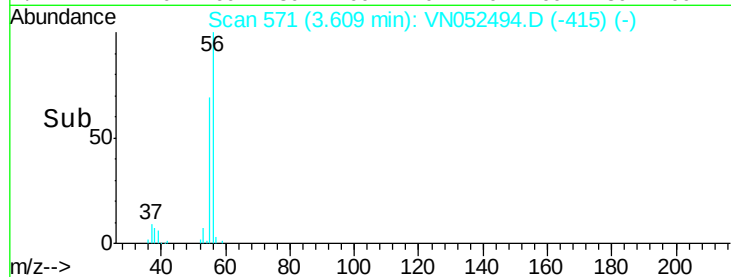
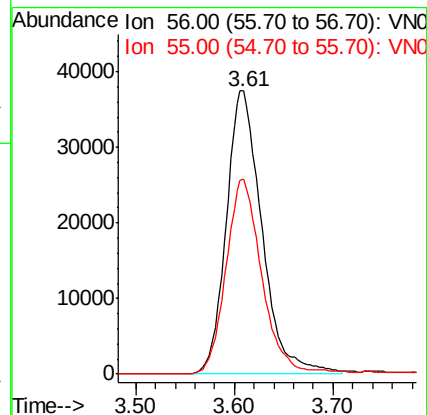
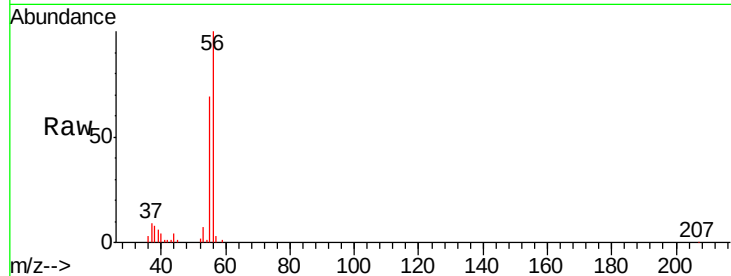
55 68.4 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 95.49 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

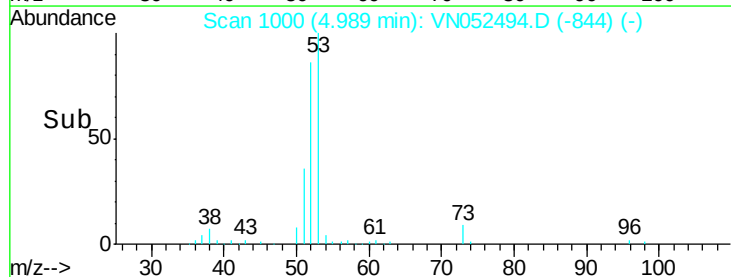
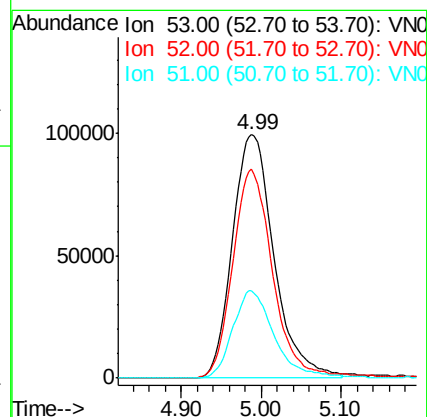
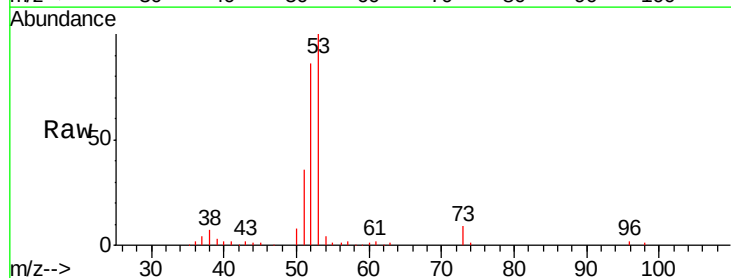
Tgt Ion: 53 Resp: 352115

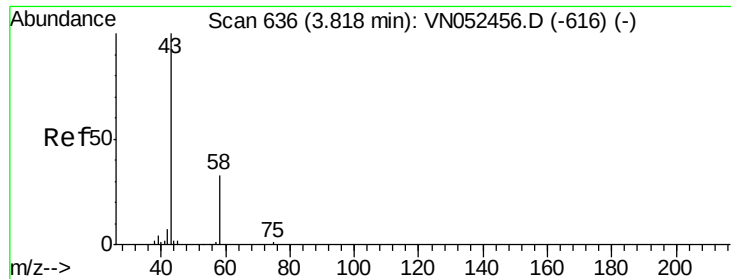
Ion Ratio Lower Upper

53 100

52 81.4 39.9 119.7

51 35.8 17.6 52.9





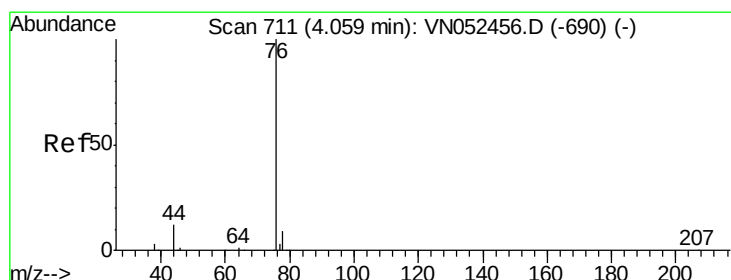
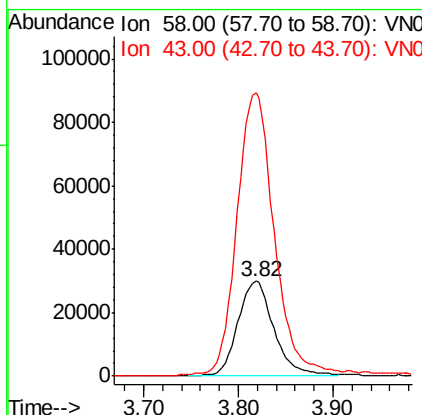
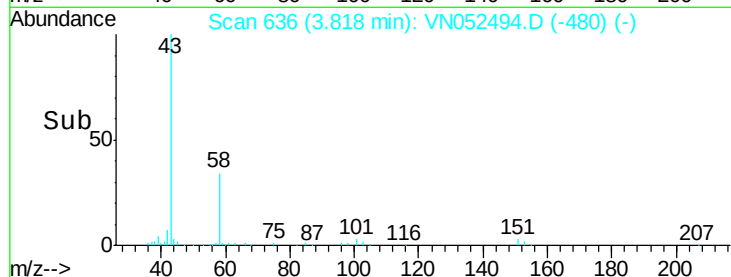
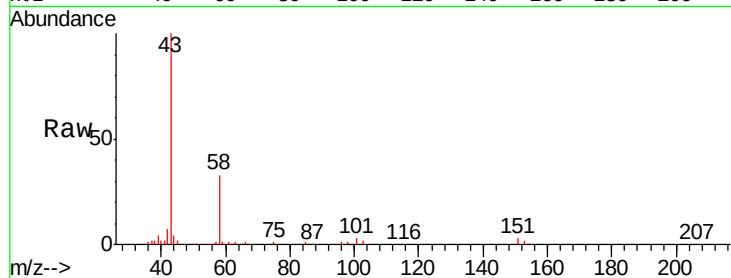
#15
Acetone
Concen: 83.35 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion: 58 Resp: 79596
Ion Ratio Lower Upper
58 100
43 297.0 243.6 365.4

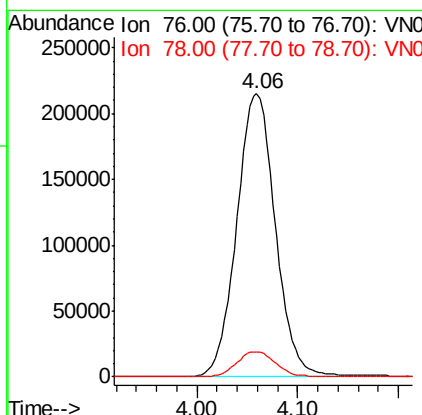
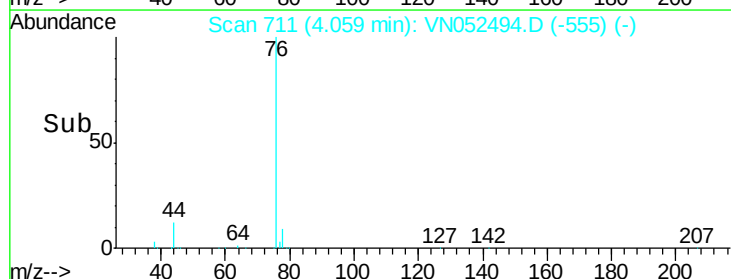
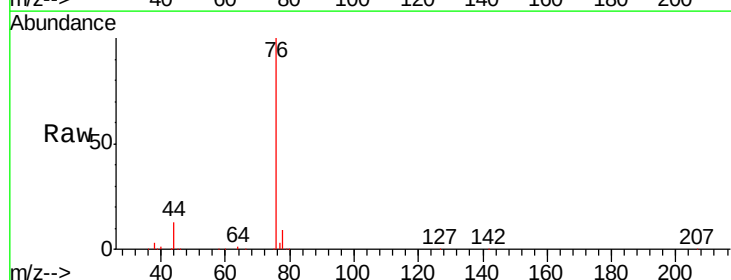
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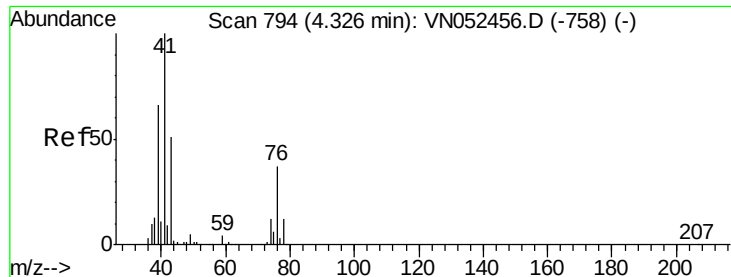
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#16
Carbon Disulfide
Concen: 17.71 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion: 76 Resp: 571195
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9





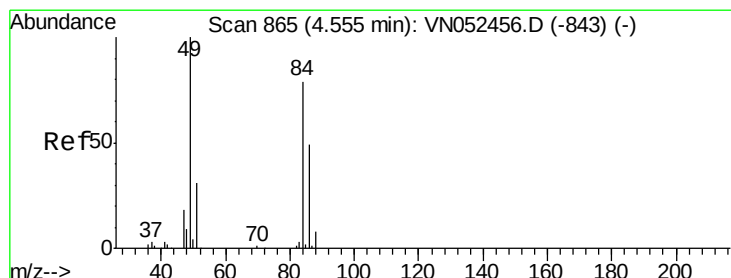
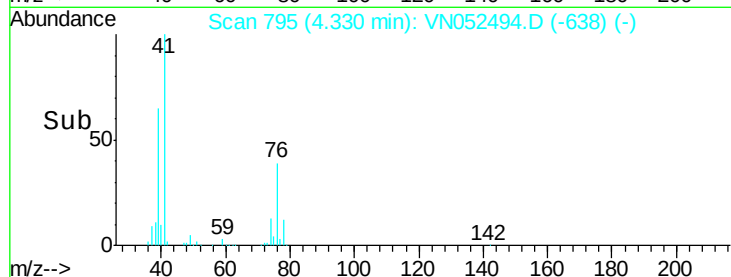
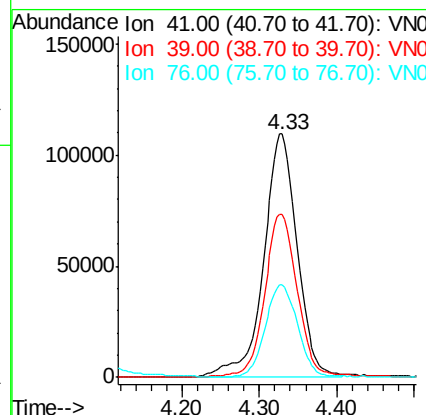
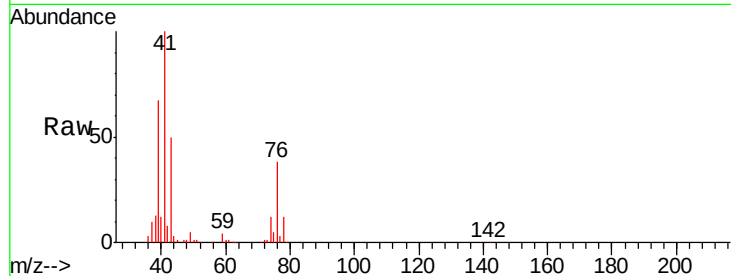
#17
 Allyl chloride
 Concen: 18.44 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.9	32.8	98.3
76	37.5	18.6	55.8

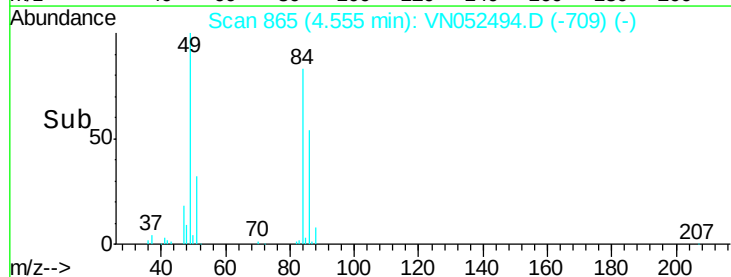
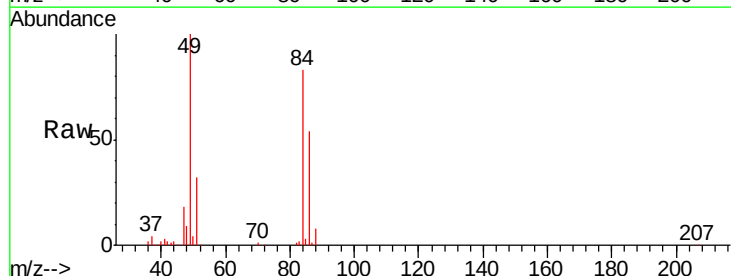
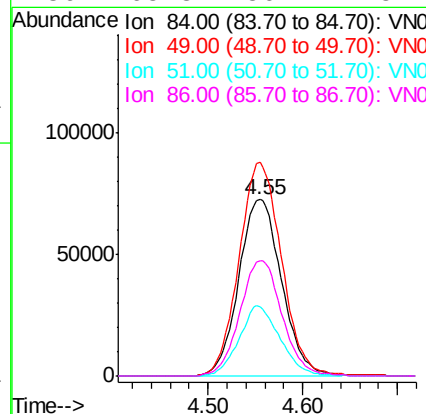
Manual Integrations
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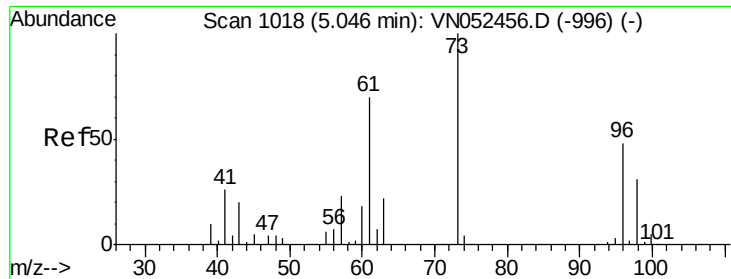
MMDadoda
 11/28/2018 9:32:31 AM



#18
 Methylene Chloride
 Concen: 19.31 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.1	101.4	152.0
51	39.0	31.7	47.5
86	65.3	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion: 96 Resp: 210905

Ion Ratio Lower Upper

96 100

61 143.3 118.2 177.4

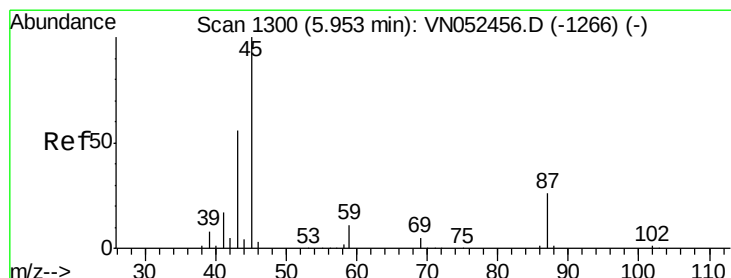
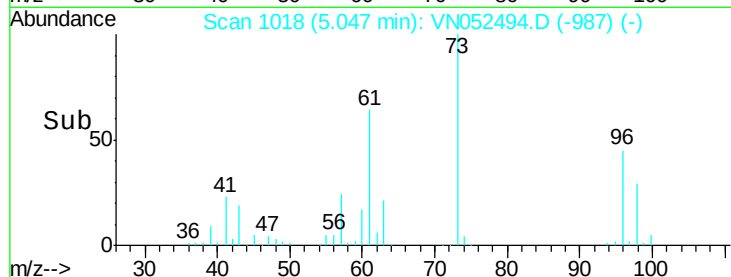
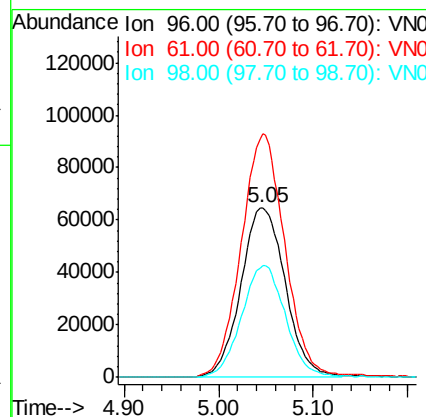
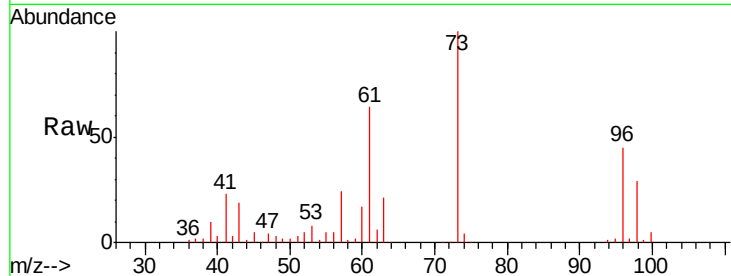
98 65.7 51.4 77.2

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#20

Diisopropyl ether

Concen: 19.03 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion: 45 Resp: 710485

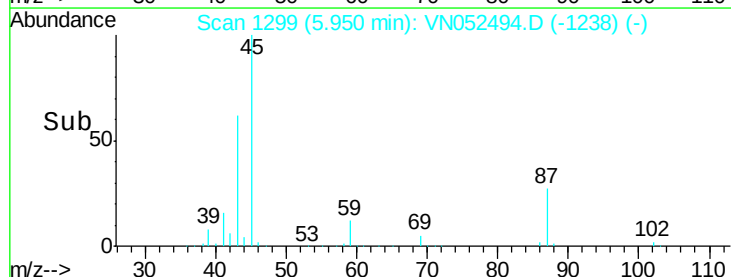
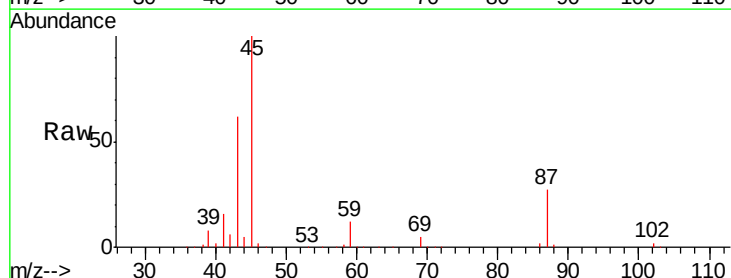
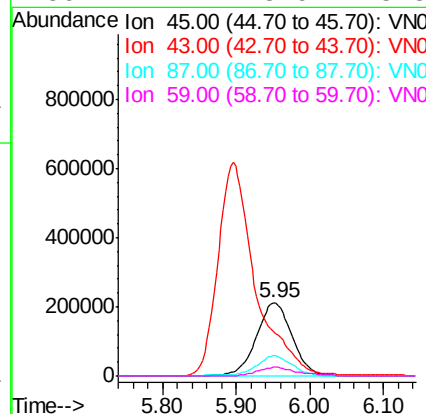
Ion Ratio Lower Upper

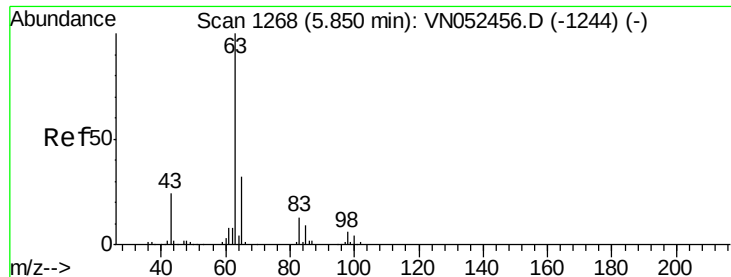
45 100

43 59.6 47.8 71.8

87 27.0 21.3 31.9

59 11.4 8.9 13.3





#21

1,1-Dichloroethane

Concen: 19.29 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

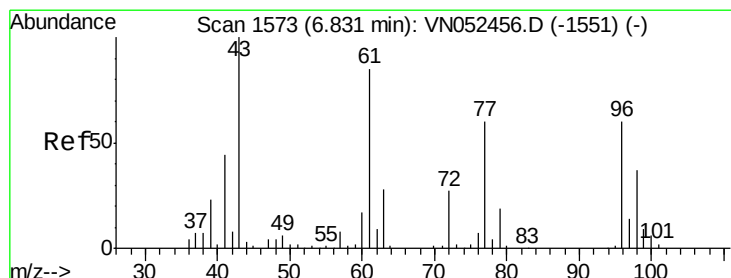
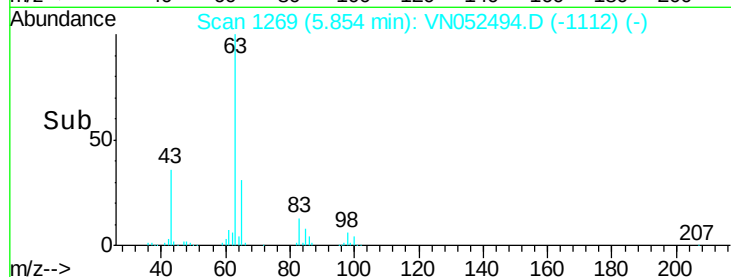
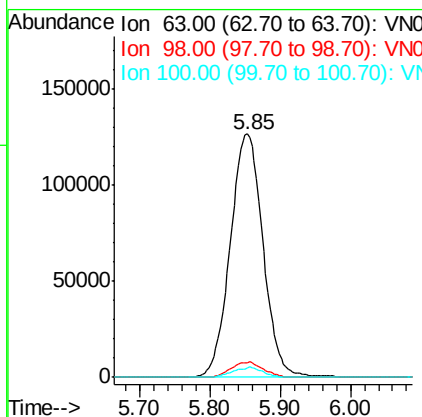
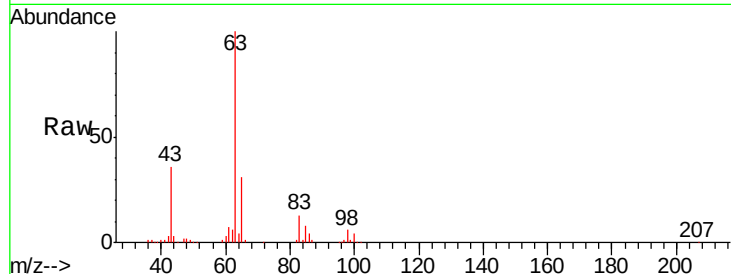
ClientSampleId :

VN1127WBS02

Tgt Ion:	63	Resp:	410478
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.9	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 19.52 ug/l

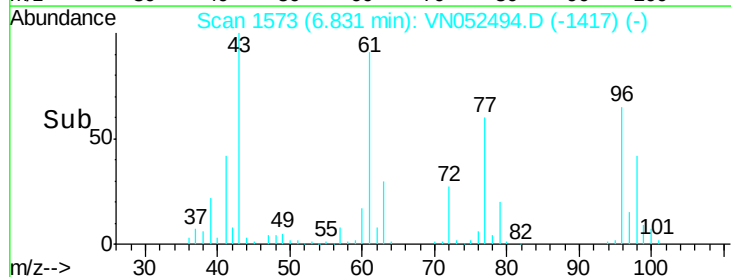
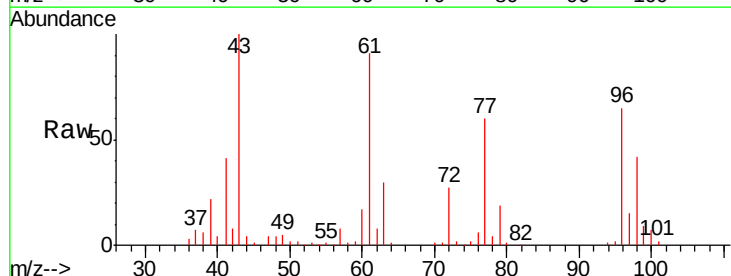
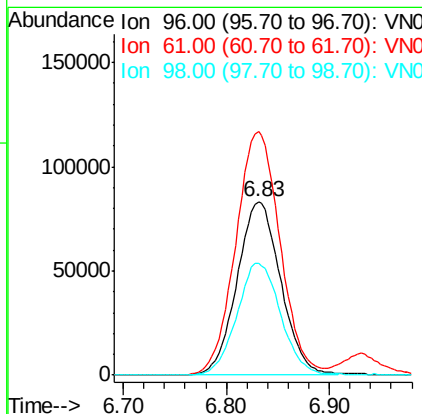
RT: 6.83 min Scan# 1573

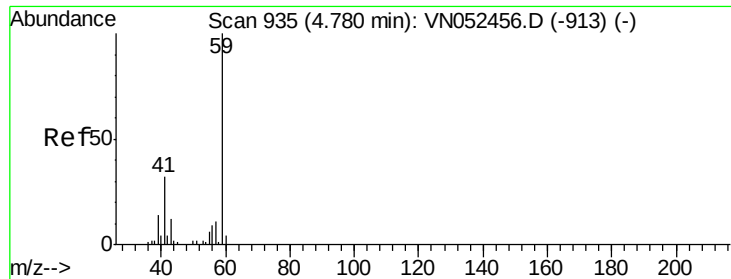
Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	96	Resp:	245179
Ion	Ratio	Lower	Upper
96	100		
61	142.4	116.7	175.1
98	64.6	50.8	76.2





#23

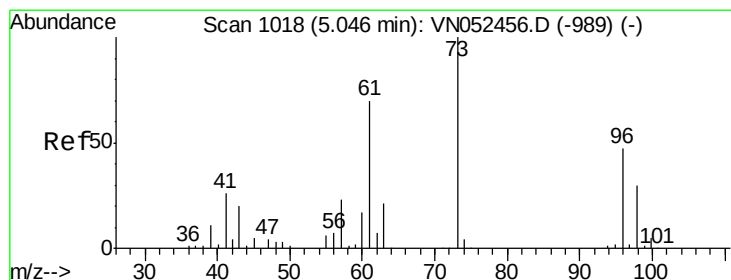
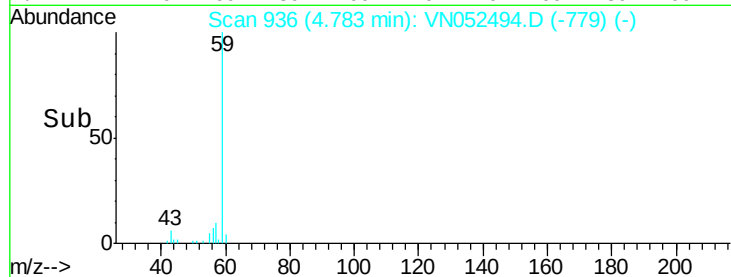
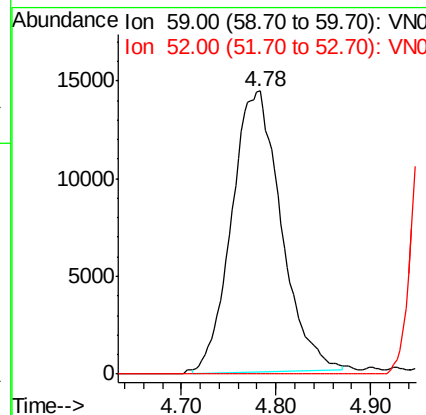
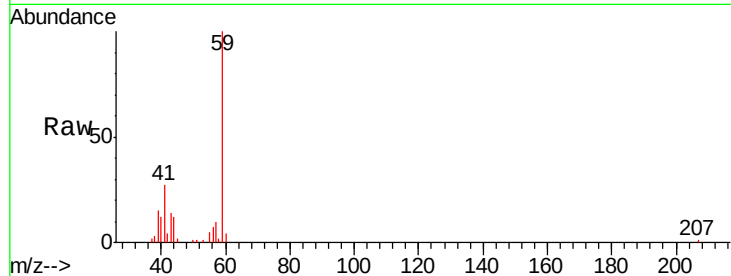
tert-Butyl Alcohol
Concen: 95.23 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion: 59 Resp: 52243
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

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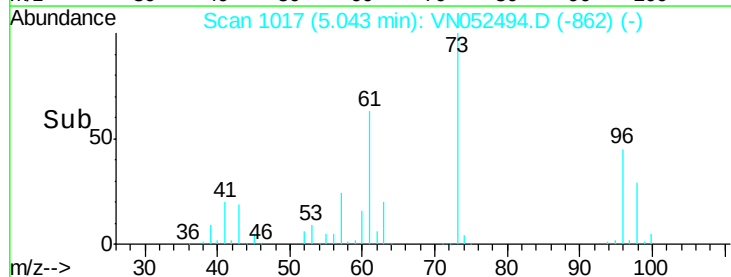
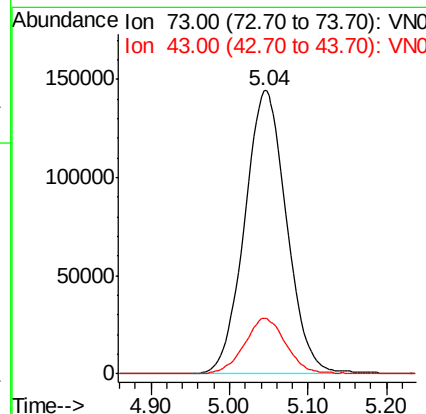
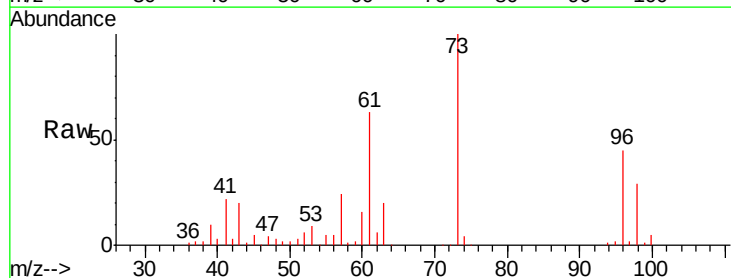
MMDadoda
11/28/2018 9:32:31 AM

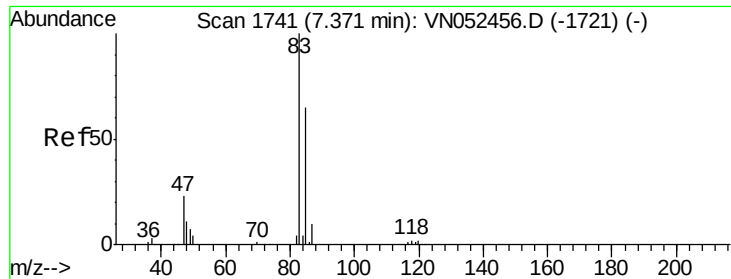


#24

Methyl tert-Butyl Ether
Concen: 20.24 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion: 73 Resp: 540743
Ion Ratio Lower Upper
73 100
43 18.9 15.8 23.8





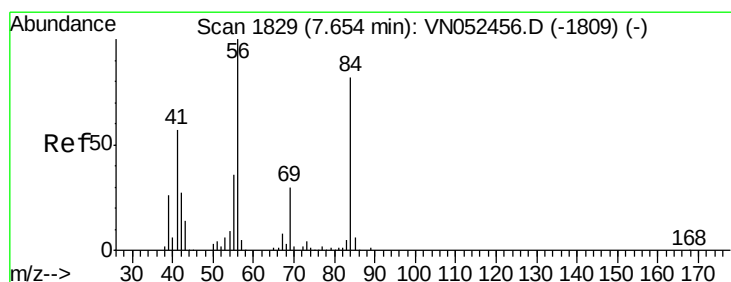
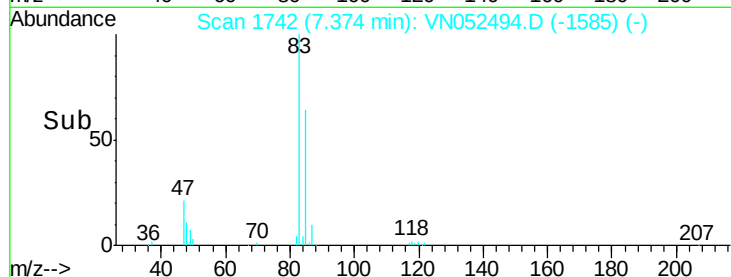
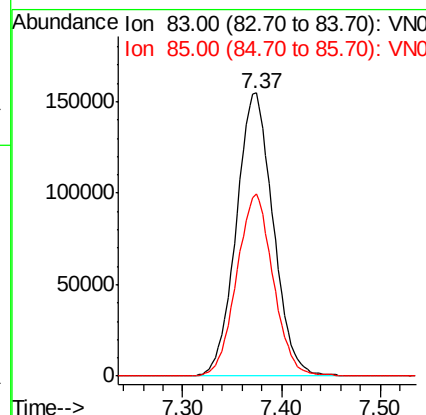
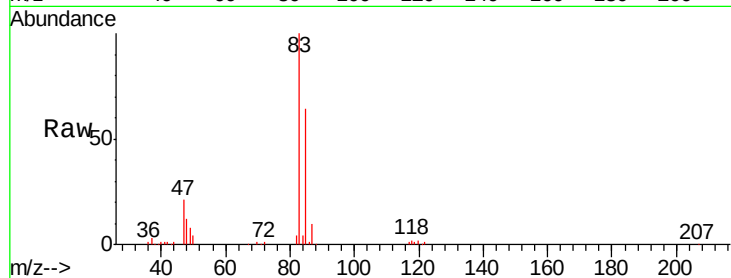
#25
Chloroform
Concen: 19.57 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion: 83 Resp: 401760
Ion Ratio Lower Upper
83 100
85 64.3 51.7 77.5

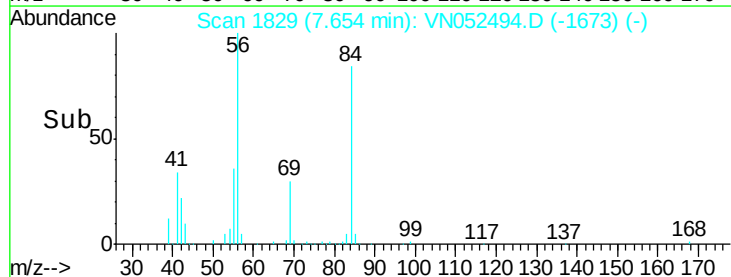
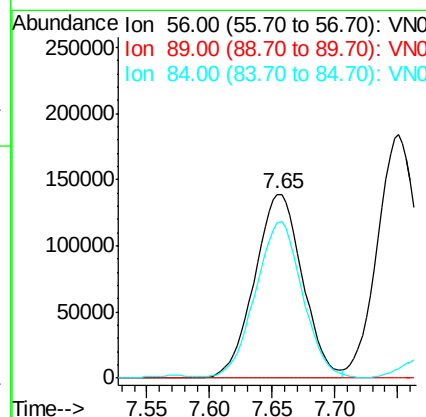
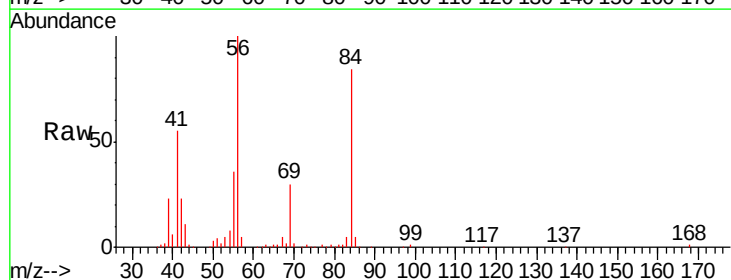
Manual Integrations
APPROVED

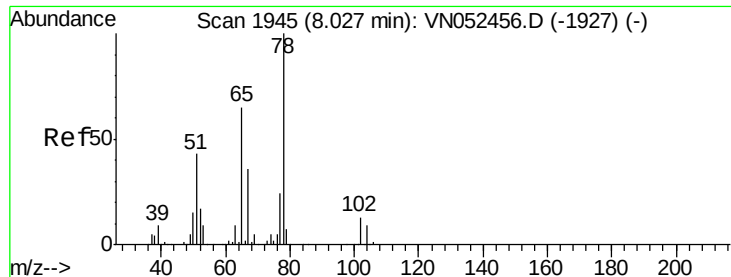
MMDadoda
11/28/2018 9:32:31 AM



#26
Cyclohexane
Concen: 18.42 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion: 56 Resp: 369574
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 83.8 66.2 99.2





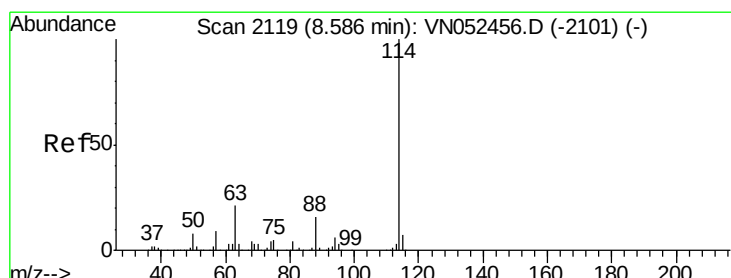
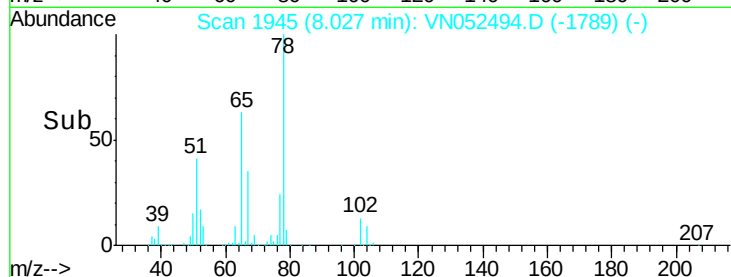
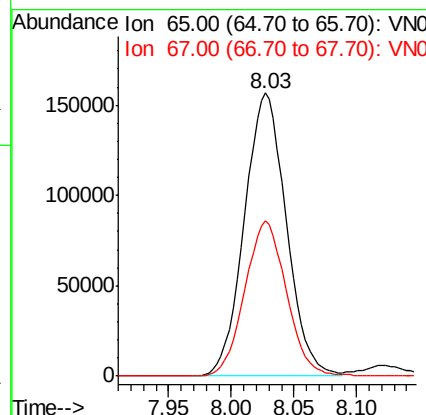
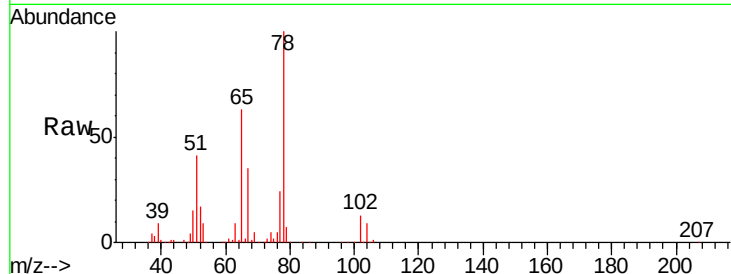
#27
 1,2-Dichloroethane-d4
 Concen: 18.42 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion: 65 Resp: 364691
 Ion Ratio Lower Upper
 65 100
 67 54.5 44.6 66.8

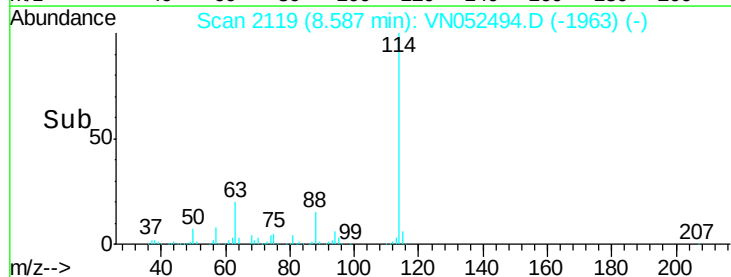
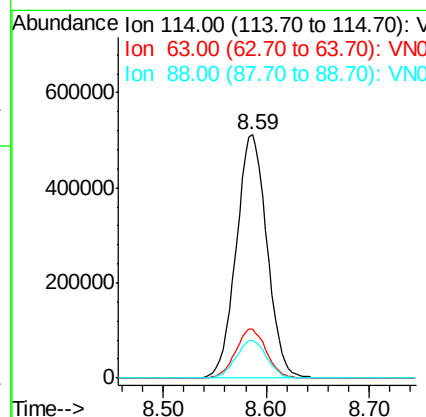
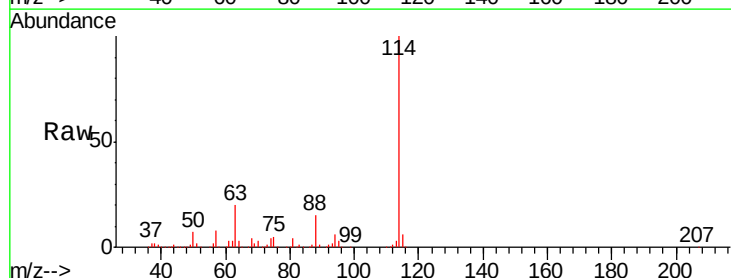
Manual Integrations
 APPROVED

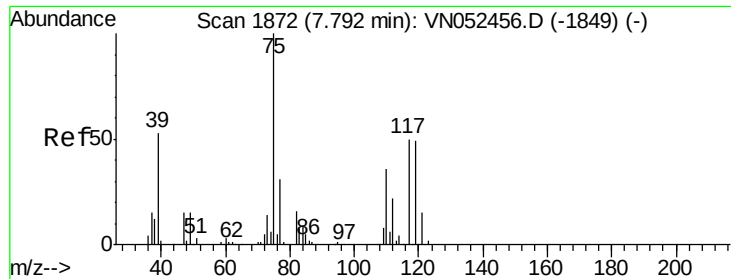
MMDadoda
 11/28/2018 9:32:31 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion: 114 Resp: 1061589
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.9 25.3
 88 15.6 12.8 19.2





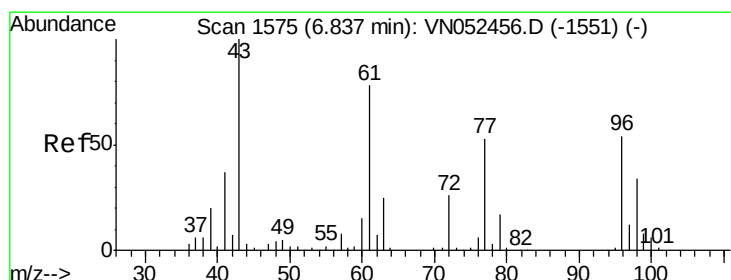
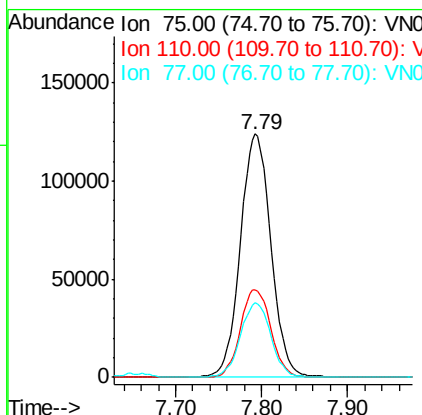
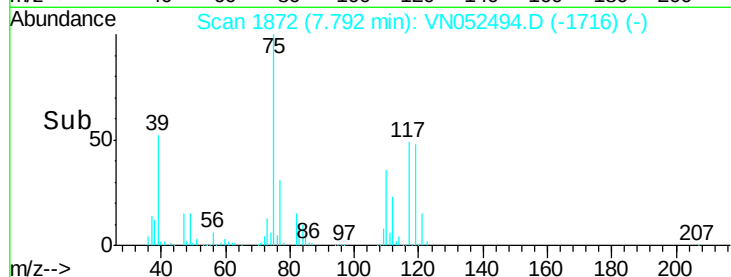
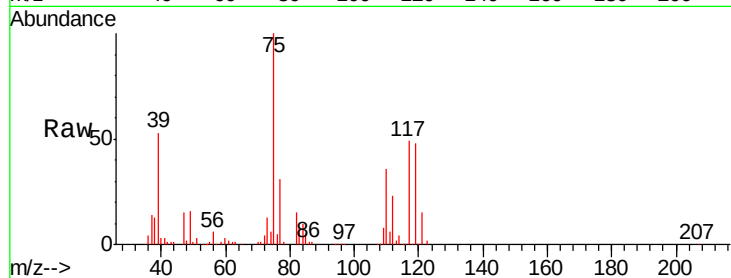
#29
 1,1-Dichloropropene
 Concen: 18.94 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	0.0	70.2
77	30.7	0.0	62.6

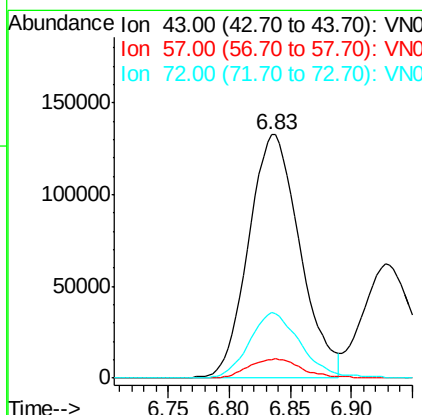
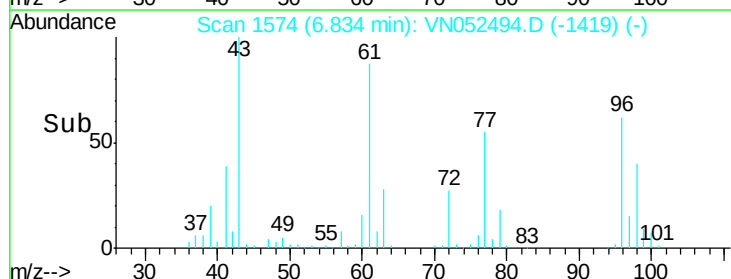
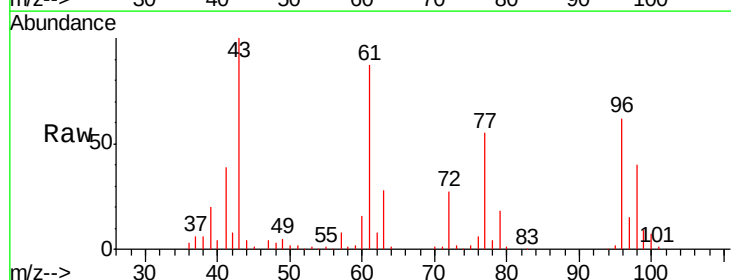
Manual Integrations
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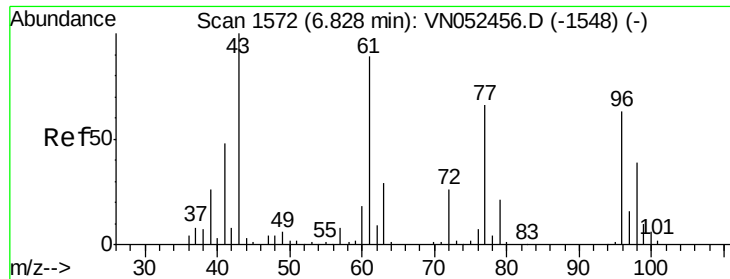
MMDadoda
 11/28/2018 9:32:31 AM



#30
 2-Butanone
 Concen: 88.86 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.2	9.4
72	27.1	21.0	31.6





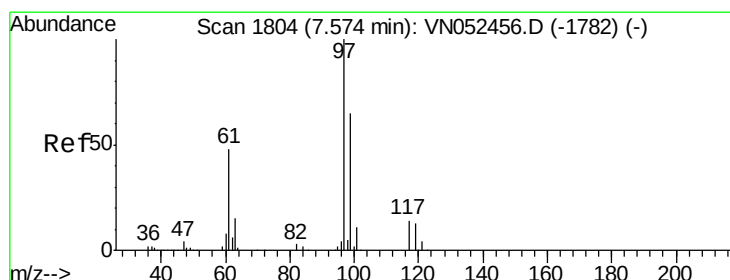
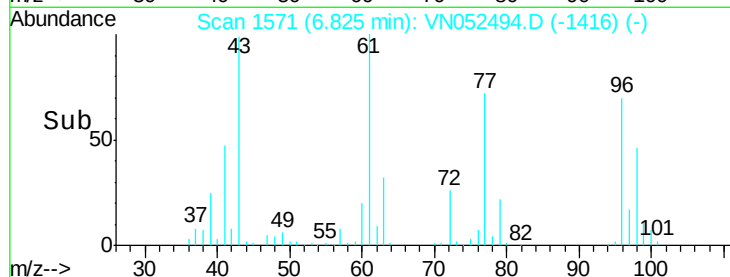
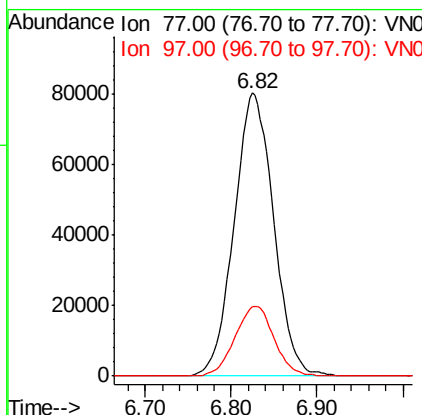
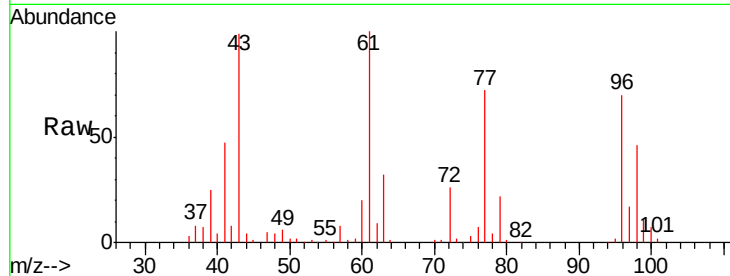
#31
 2,2-Dichloropropane
 Concen: 17.17 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion: 77 Resp: 256187
 Ion Ratio Lower Upper
 77 100
 97 24.4 18.7 28.1

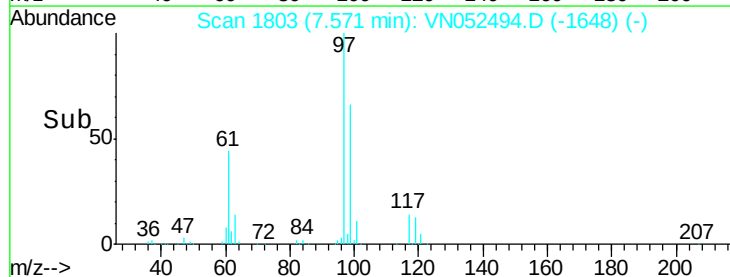
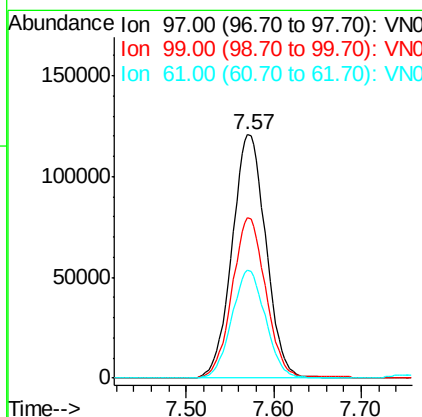
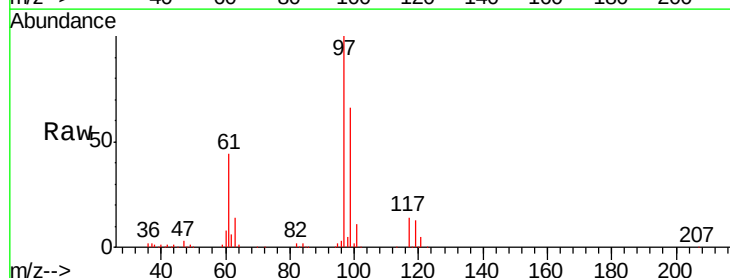
Manual Integrations
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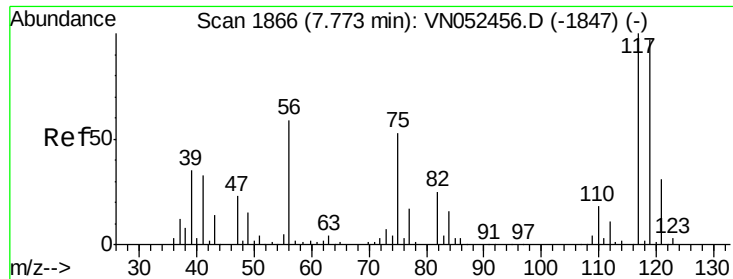
MMDadoda
 11/28/2018 9:32:31 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.19 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion: 97 Resp: 323723
 Ion Ratio Lower Upper
 97 100
 99 65.5 50.9 76.3
 61 44.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 18.75 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion: 117 Resp: 276733
Ion Ratio Lower Upper

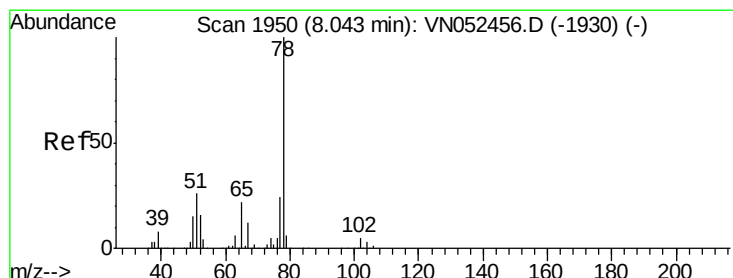
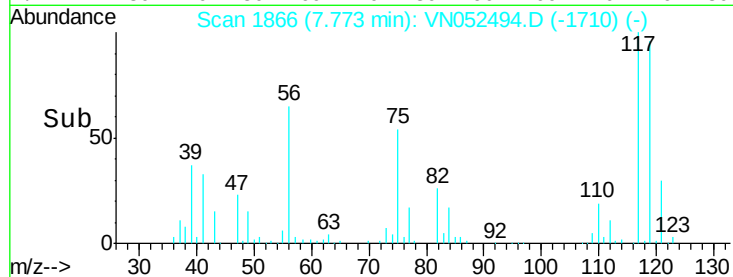
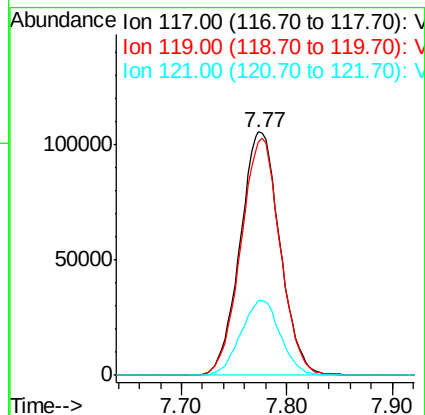
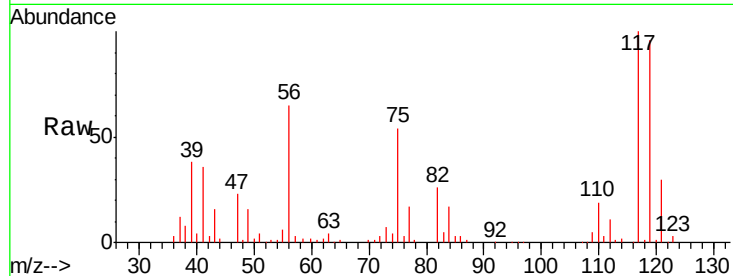
117 100

119 96.0 77.3 115.9

121 30.4 24.9 37.3

Manual Integrations
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11/28/2018 9:32:31 AM



#34

Benzene

Concen: 19.08 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052494.D

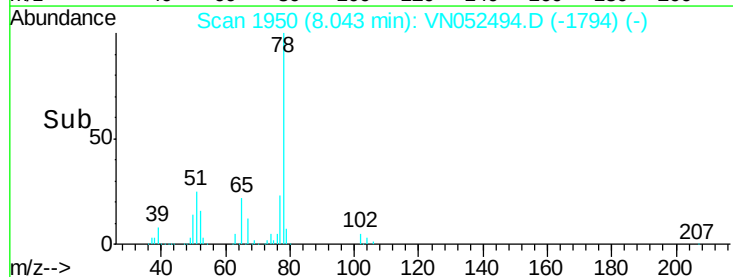
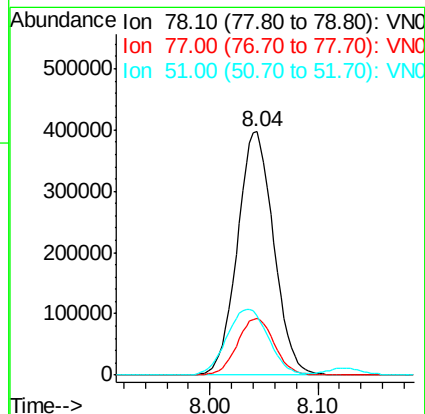
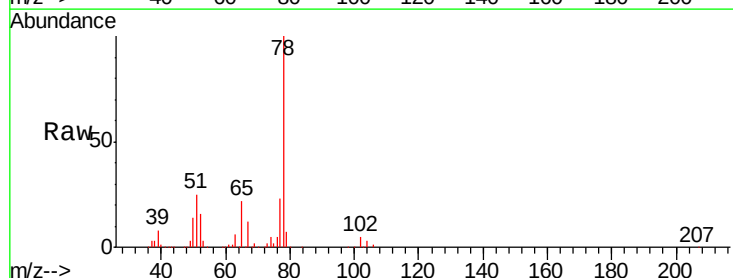
Acq: 27 Nov 2018 22:59

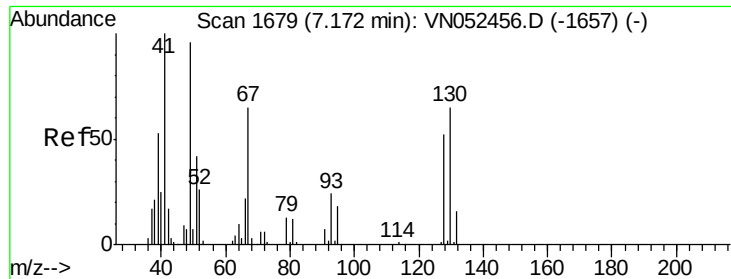
Tgt Ion: 78 Resp: 929873
Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.6

51 24.4 20.5 30.7





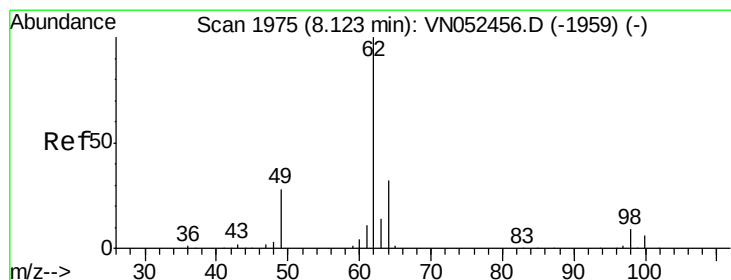
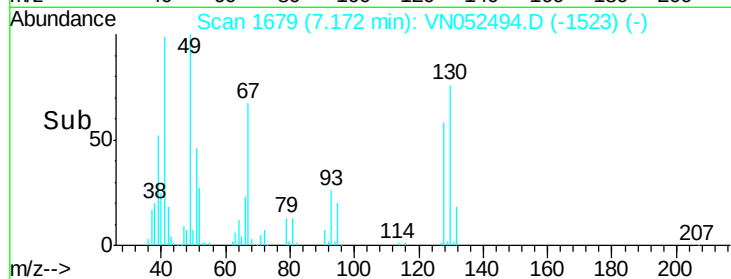
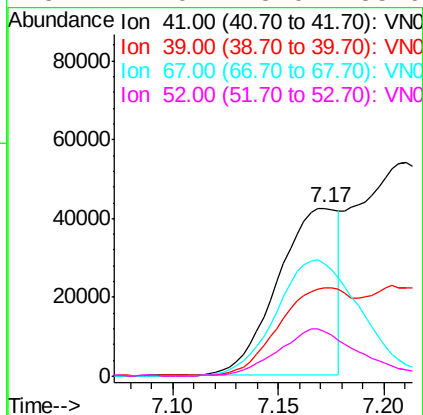
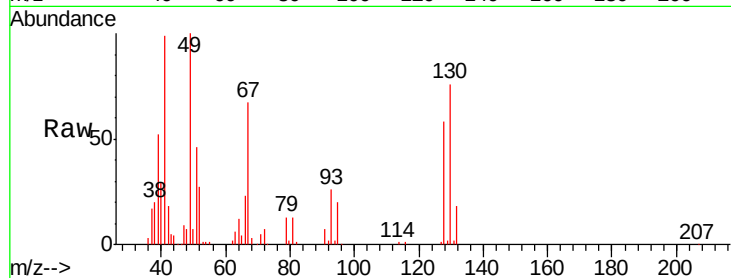
#35
Methacrylonitrile
Concen: 15.58 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.3	26.6	79.7
67	67.7	32.3	96.9
52	27.0	13.0	38.9

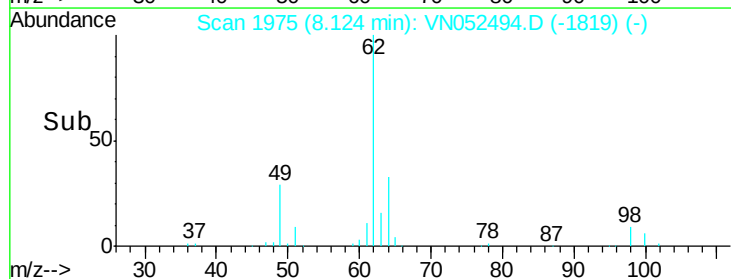
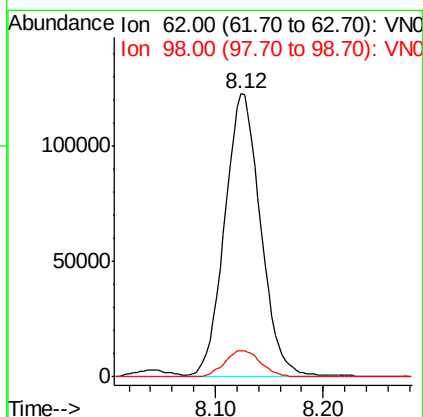
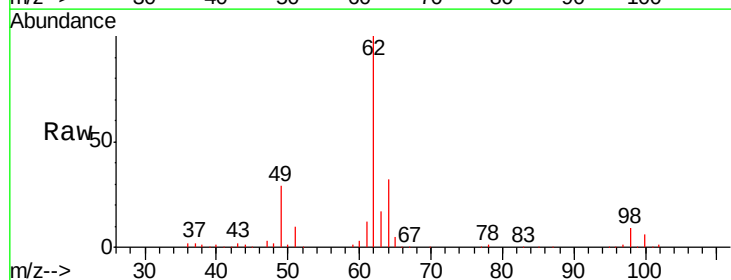
Manual Integrations
APPROVED

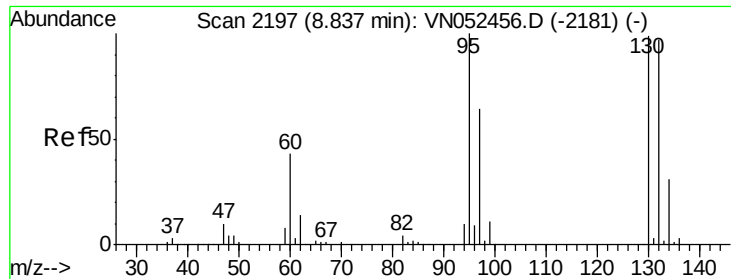
MMDadoda
11/28/2018 9:32:31 AM



#36
1,2-Dichloroethane
Concen: 19.31 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2





#37

Trichloroethene

Concen: 19.51 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion:130 Resp: 241092

Ion Ratio Lower Upper

130 100

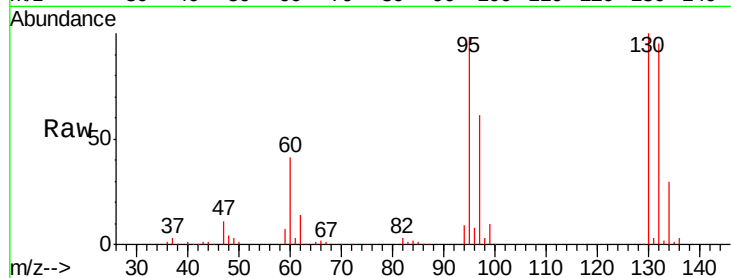
95 97.9 81.0 121.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

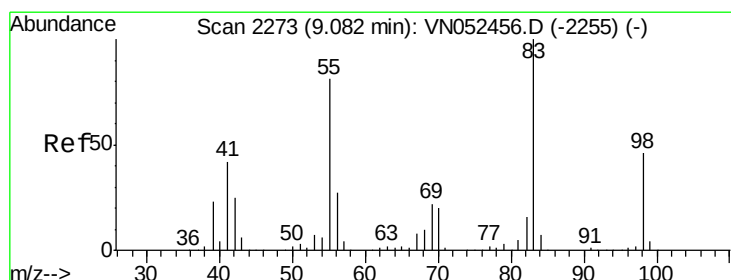
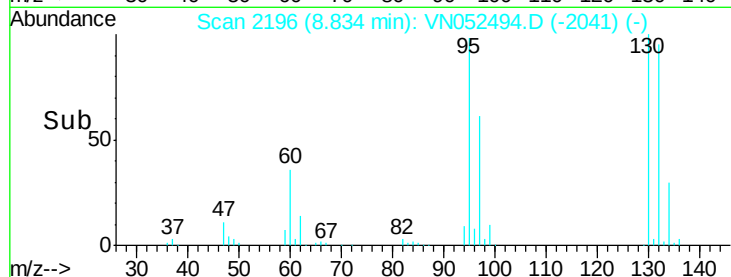
8.83

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 17.76 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

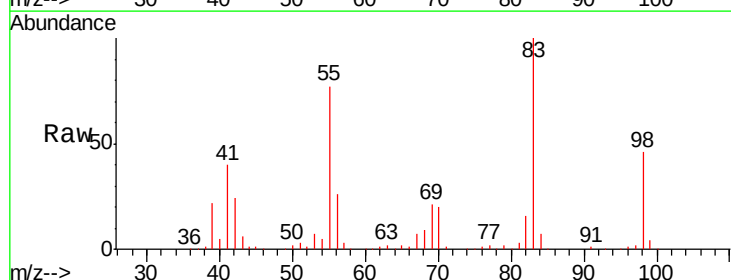
Tgt Ion: 83 Resp: 356486

Ion Ratio Lower Upper

83 100

55 76.9 39.8 119.4

98 45.7 22.9 68.5



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

9.08

200000

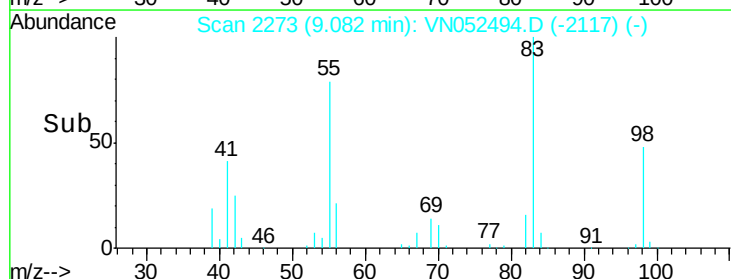
150000

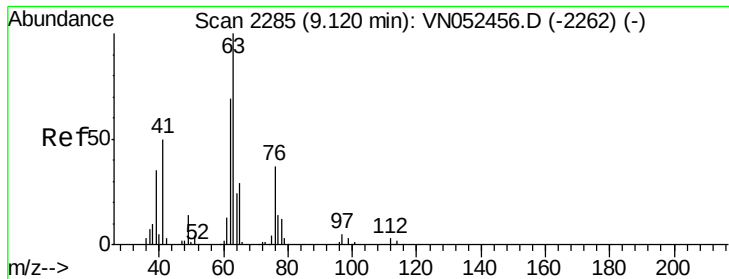
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 18.89 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion: 63 Resp: 246751

Ion Ratio Lower Upper

63 100

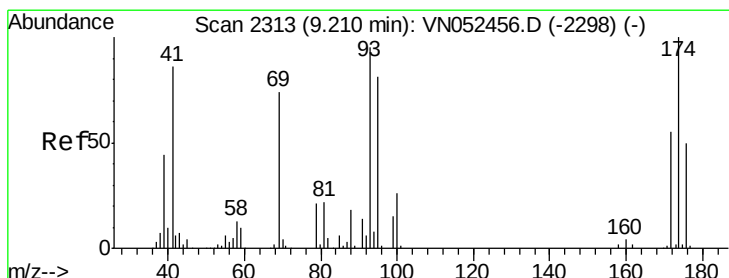
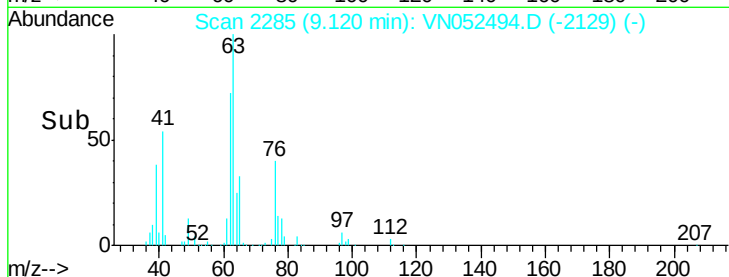
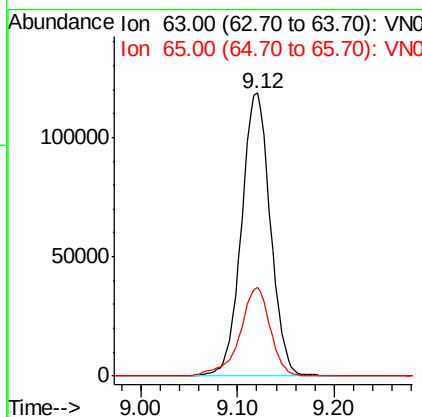
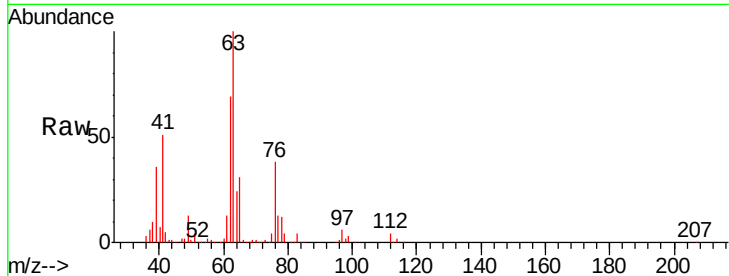
65 31.2 23.6 35.4

Manual Integrations

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11/28/2018 9:32:31 AM



#40

Dibromomethane

Concen: 19.28 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

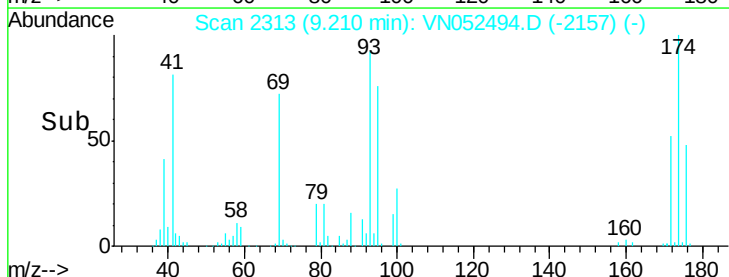
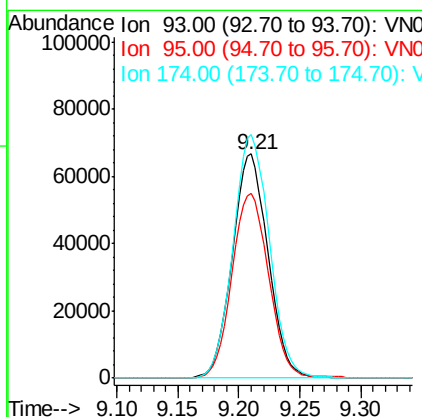
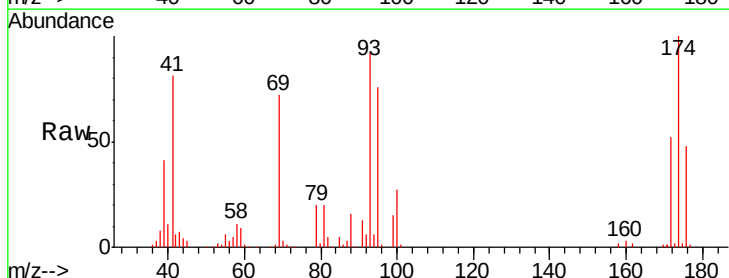
Tgt Ion: 93 Resp: 136118

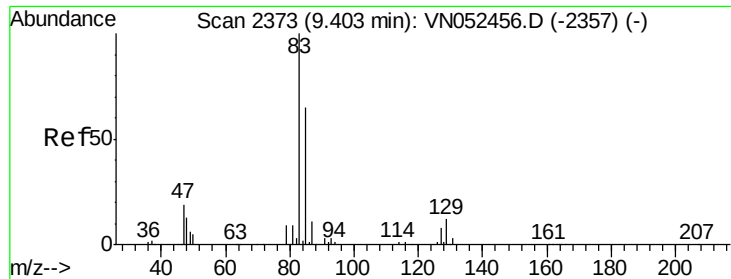
Ion Ratio Lower Upper

93 100

95 84.3 0.0 168.4

174 110.3 0.0 210.0





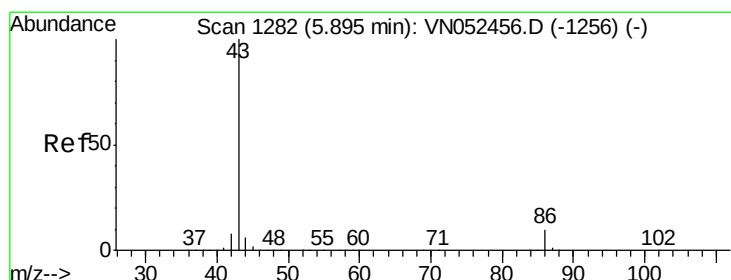
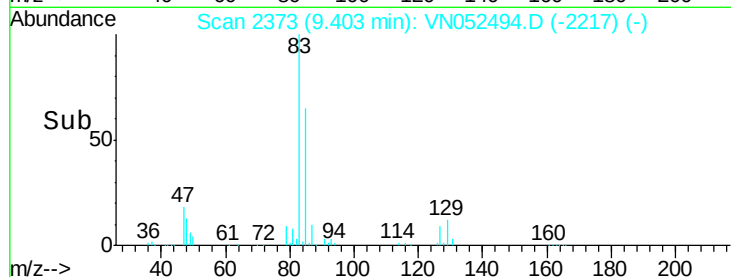
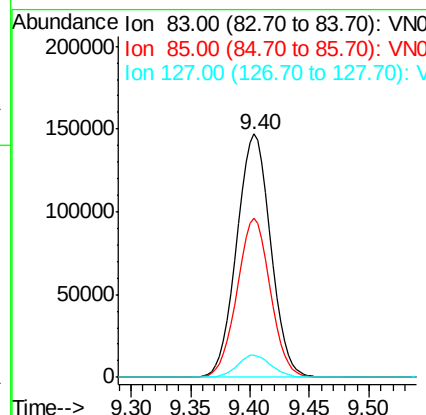
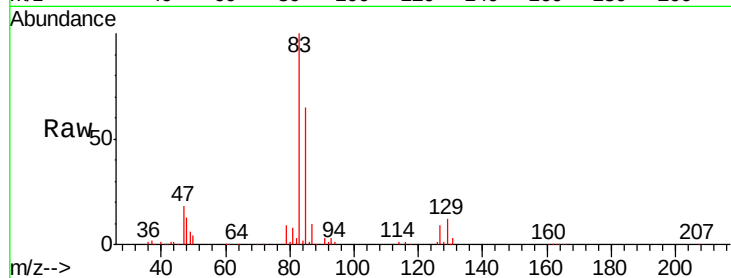
#41
 Bromodichloromethane
 Concen: 18.67 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.4	78.6
127	9.1	6.6	9.8

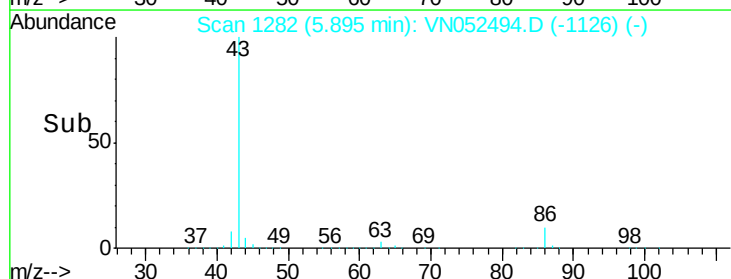
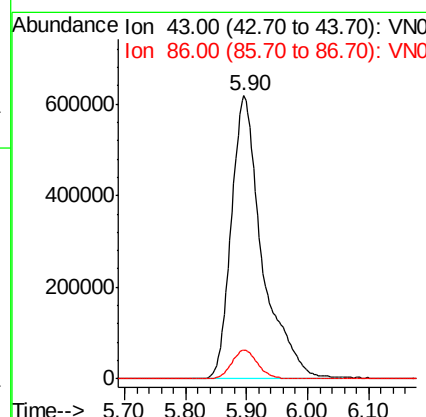
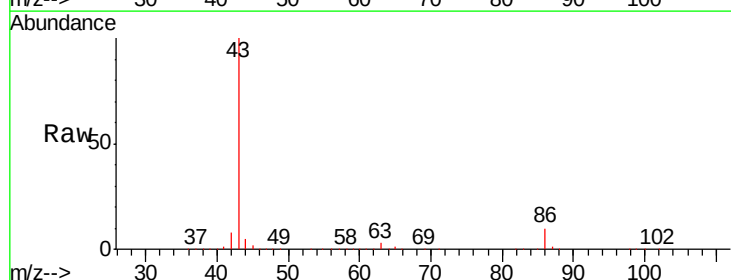
Manual Integrations
 APPROVED

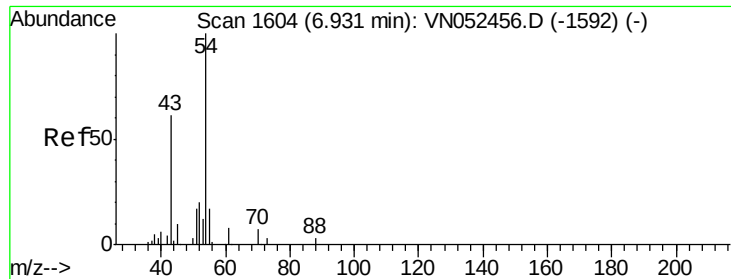
MMDadoda
 11/28/2018 9:32:31 AM



#42
 Vinyl Acetate
 Concen: 92.89 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.5	9.7





#43

Ethyl Acetate

Concen: 18.89 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion: 43 Resp: 174226

Ion Ratio Lower Upper

43 100

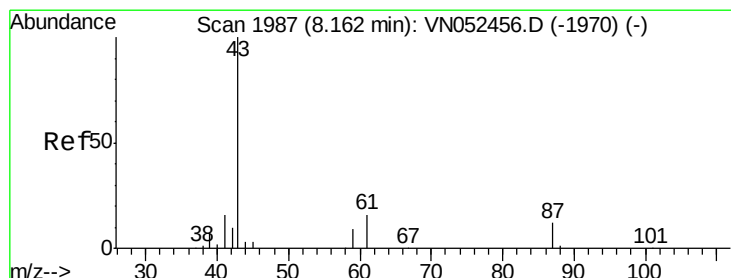
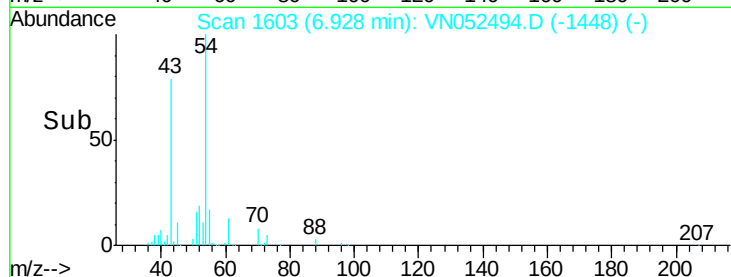
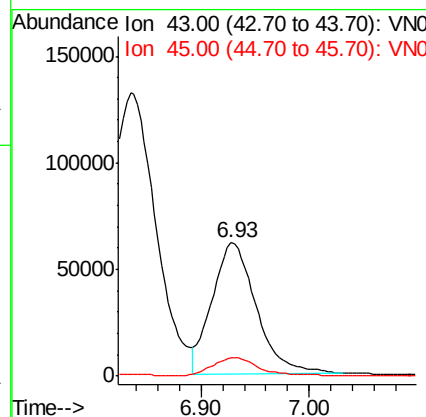
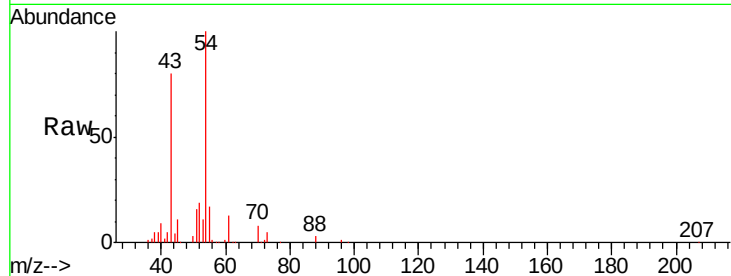
45 14.5 1.0 1.6#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 19.79 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052494.D

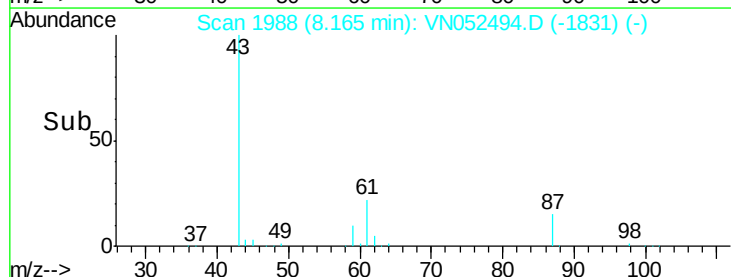
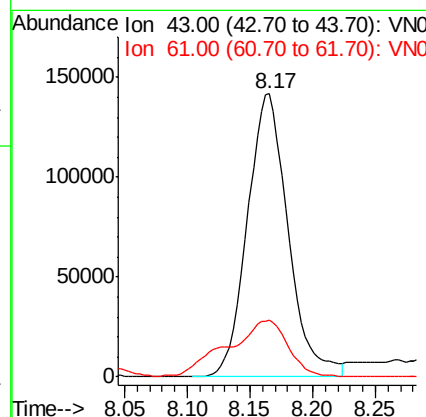
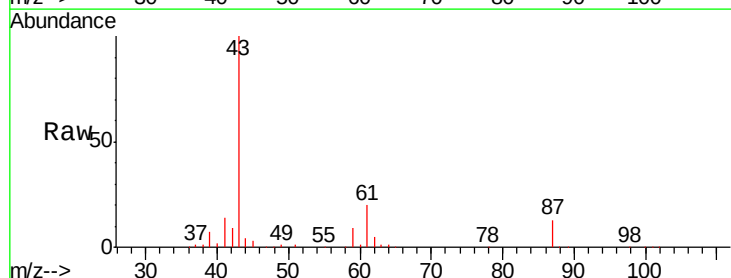
Acq: 27 Nov 2018 22:59

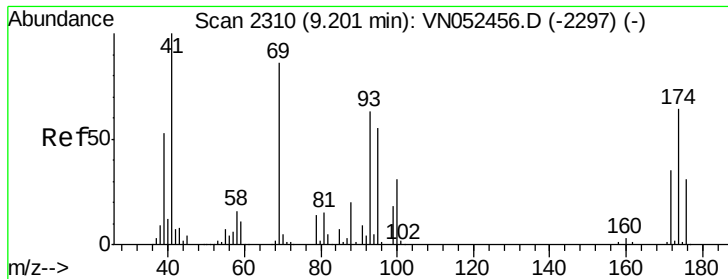
Tgt Ion: 43 Resp: 320153

Ion Ratio Lower Upper

43 100

61 18.8 16.0 24.0





#45

1,4-Dioxane

Concen: 372.40 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

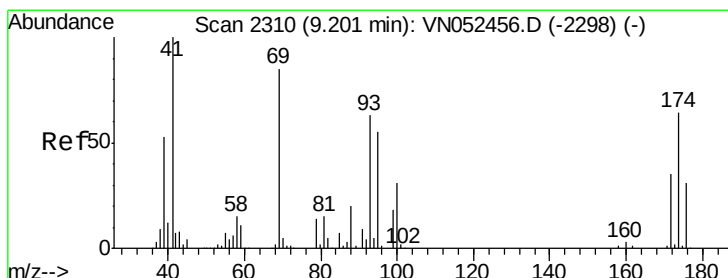
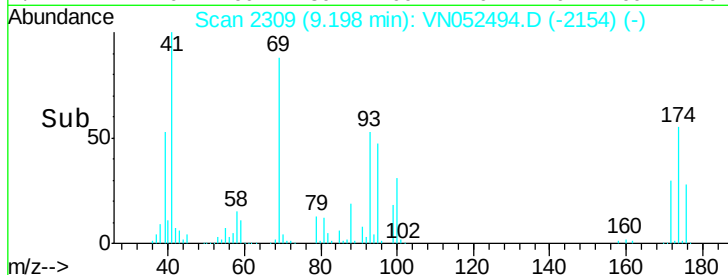
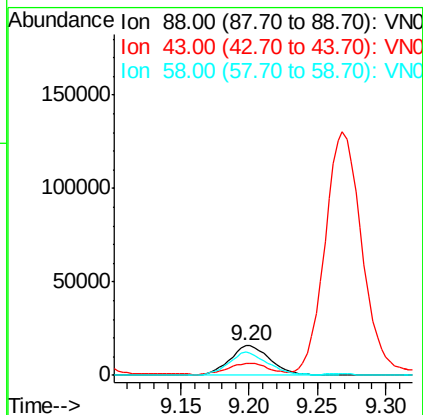
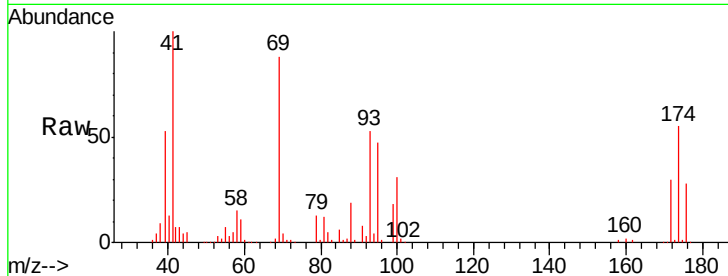
ClientSampleId :

VN1127WBS02

Tgt Ion:	88	Resp:	32958
Ion	Ratio	Lower	Upper
88	100		
43	36.1	29.5	44.3
58	75.8	61.5	92.3

Manual Integrations
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#46

Methyl methacrylate

Concen: 18.88 ug/l

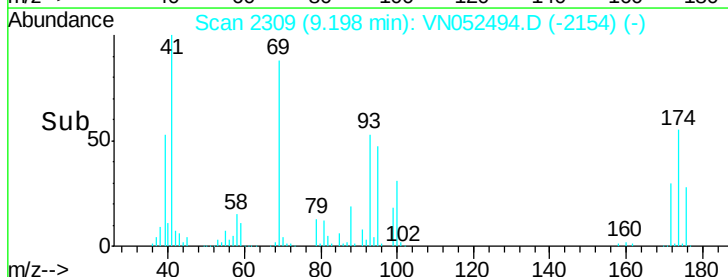
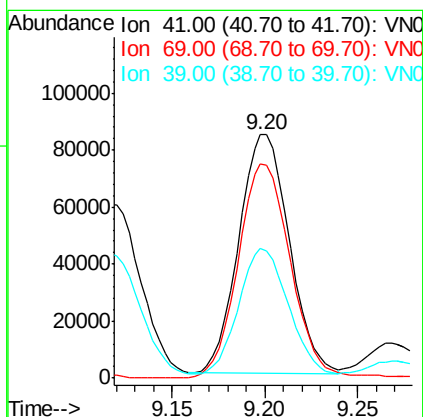
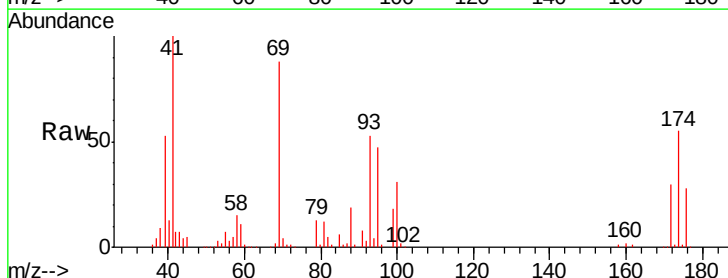
RT: 9.20 min Scan# 2309

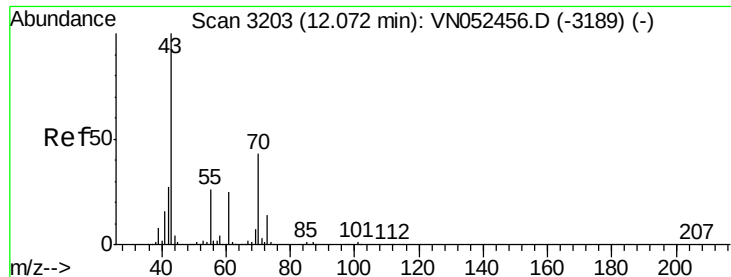
Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	41	Resp:	158587
Ion	Ratio	Lower	Upper
41	100		
69	89.9	42.5	127.6
39	52.5	26.3	78.9





#47

n-amyI Acetate

Concen: 18.17 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion: 43 Resp: 243716

Ion Ratio Lower Upper

43 100

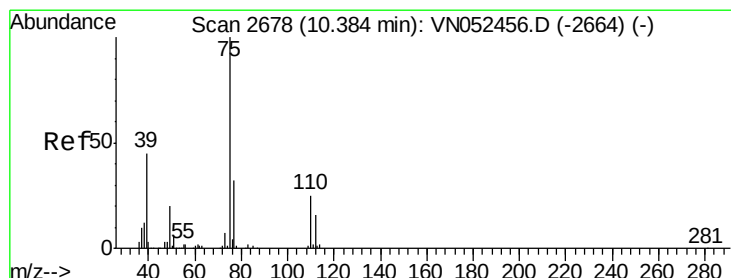
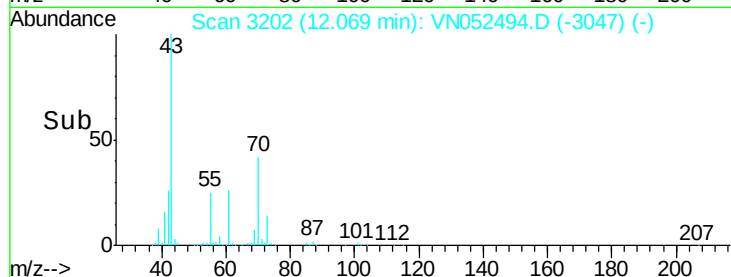
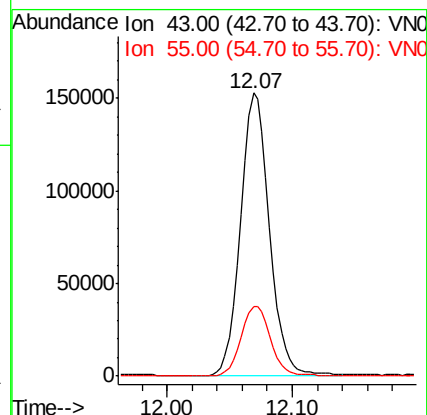
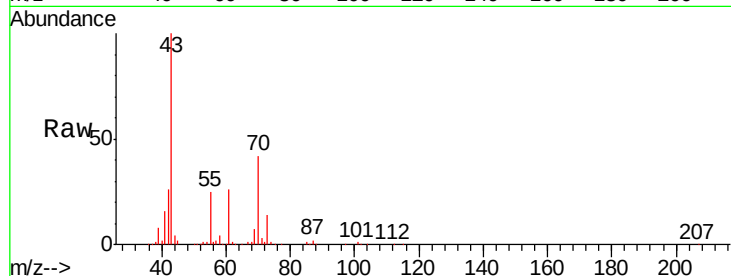
55 25.2 21.1 31.7

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.17 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052494.D

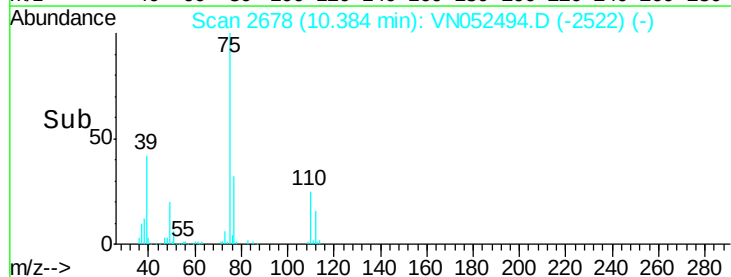
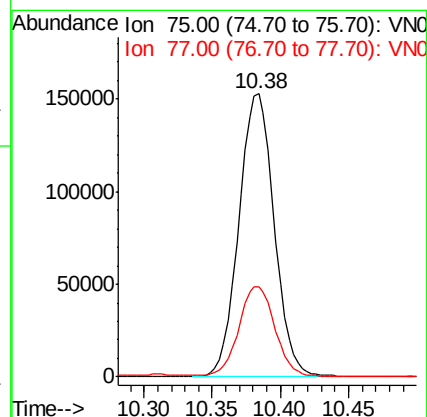
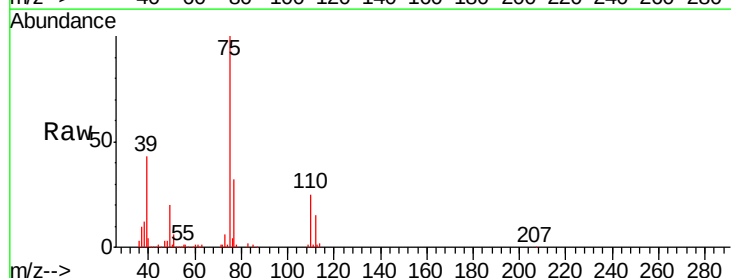
Acq: 27 Nov 2018 22:59

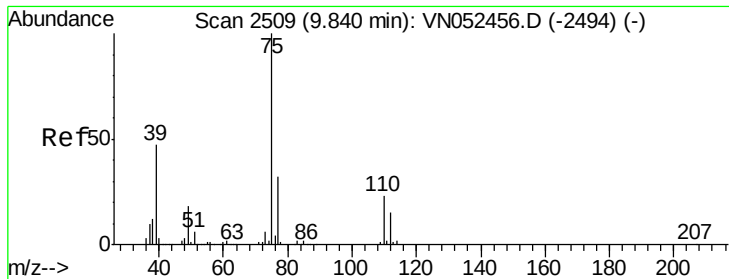
Tgt Ion: 75 Resp: 274877

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 18.48 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

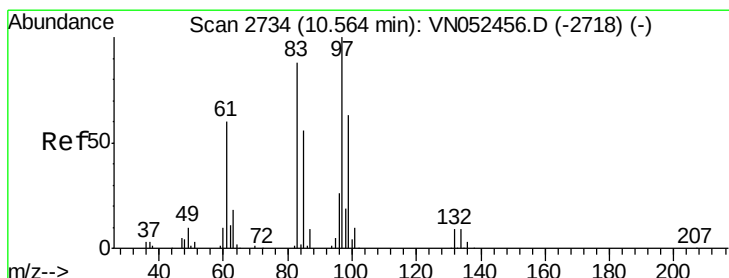
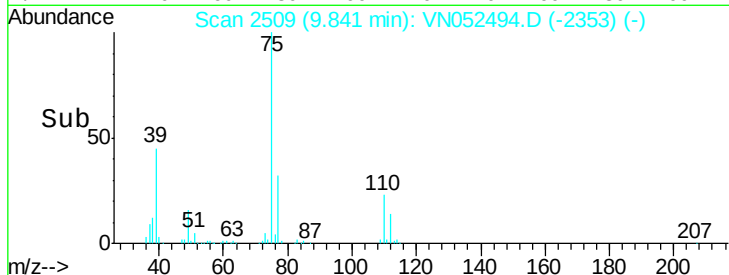
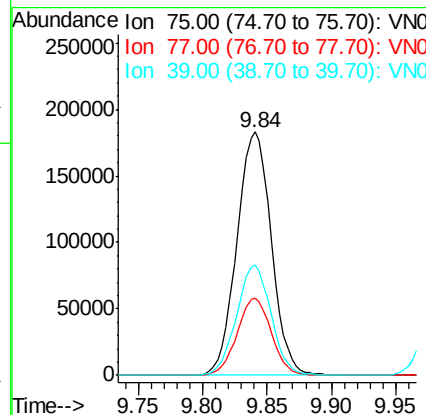
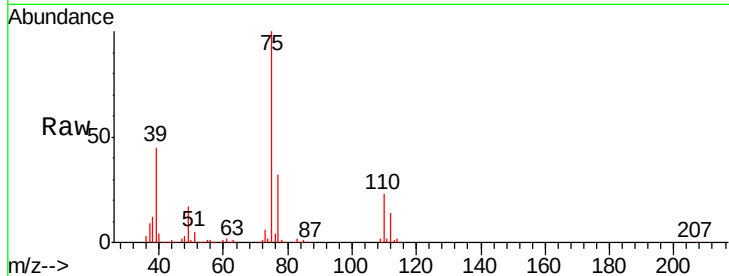
ClientSampleId :

VN1127WBS02

Tgt Ion:	75	Resp:	340618
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	45.2	37.3	55.9

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 19.72 ug/l

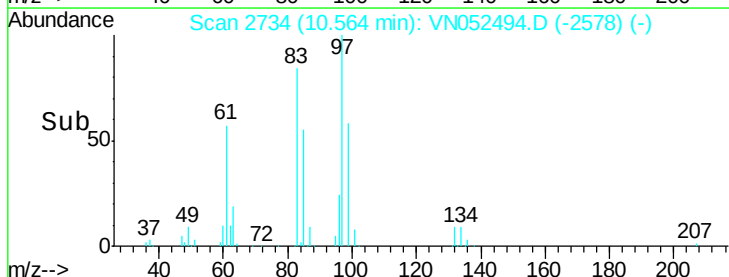
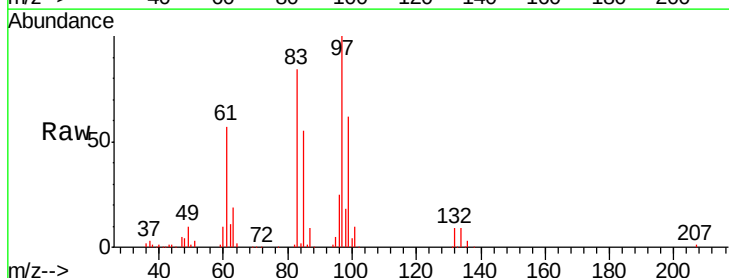
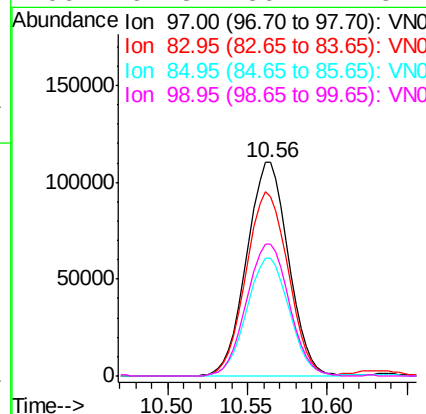
RT: 10.56 min Scan# 2734

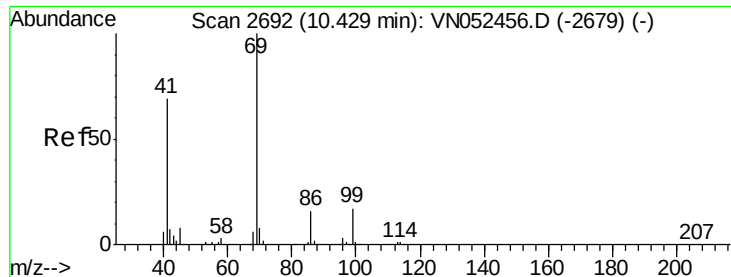
Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	97	Resp:	197337
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.4	105.6
85	55.4	45.0	67.6
99	61.8	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.40 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

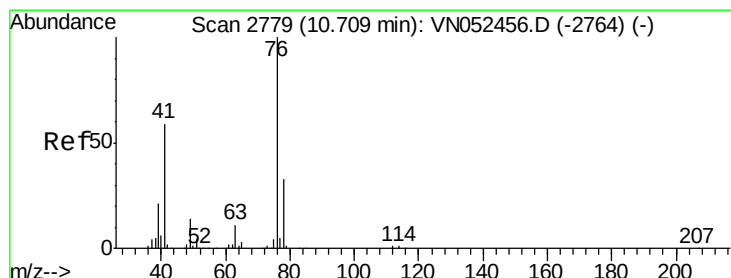
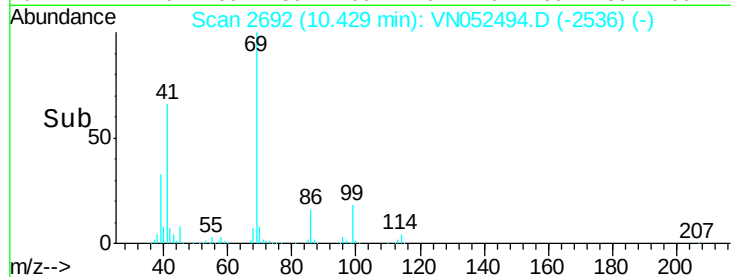
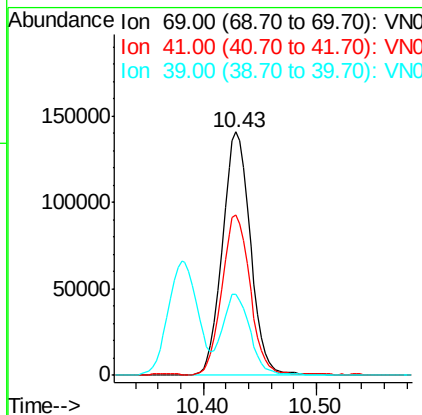
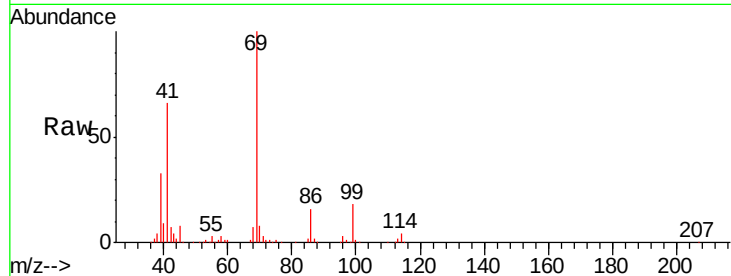
ClientSampleId :

VN1127WBS02

Tgt Ion:	69	Resp:	243833
Ion	Ratio	Lower	Upper
69	100		
41	65.7	34.4	103.3
39	32.7	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.46 ug/l

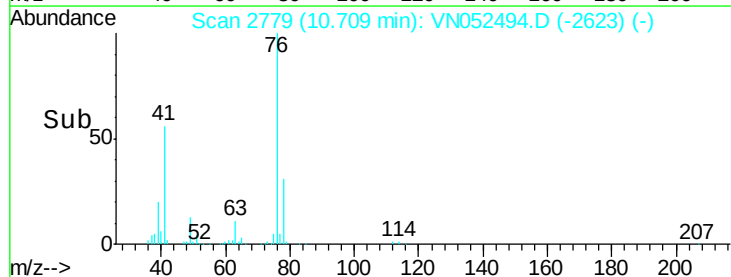
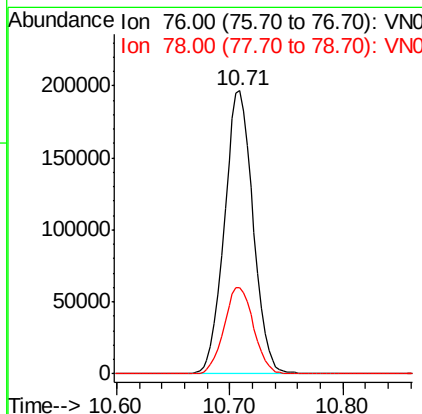
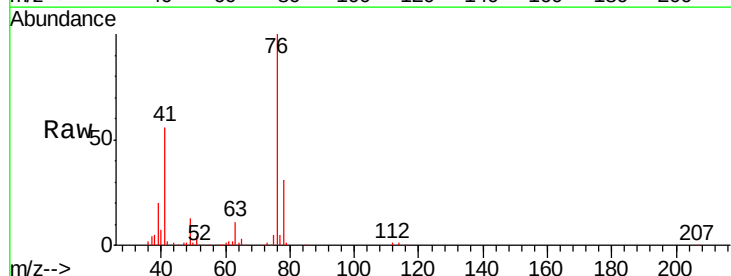
RT: 10.71 min Scan# 2779

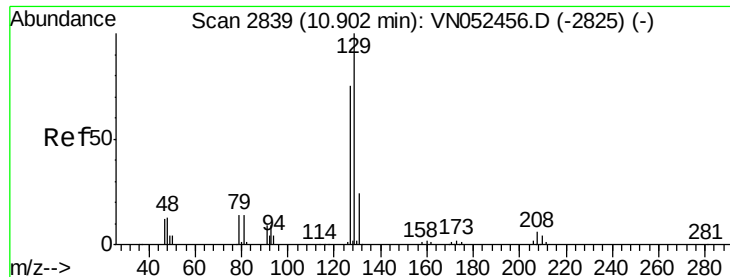
Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	76	Resp:	346582
Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	64.8





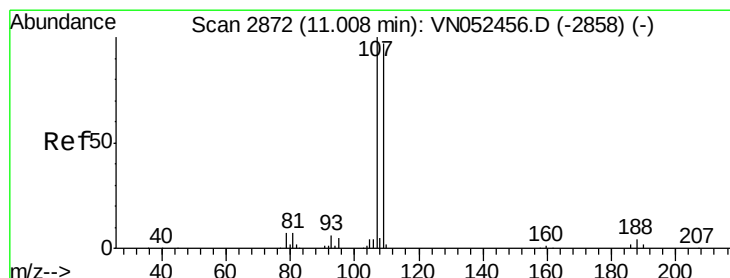
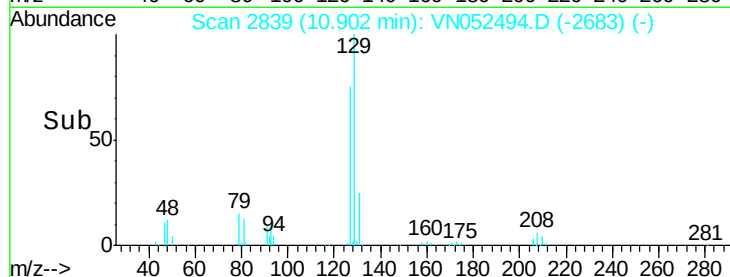
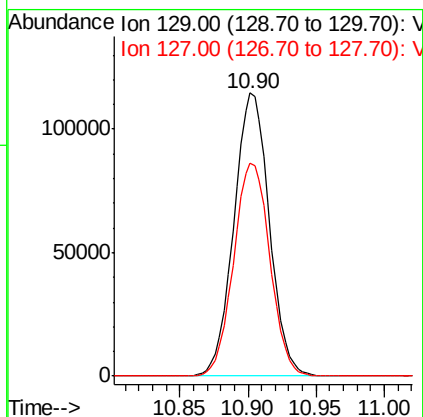
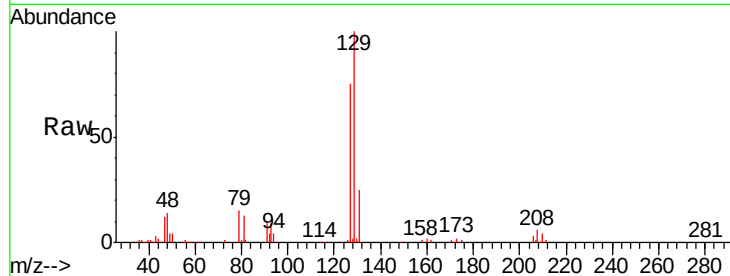
#53
 Dibromochloromethane
 Concen: 18.80 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion:129 Resp: 207094
 Ion Ratio Lower Upper
 129 100
 127 76.9 37.6 112.8

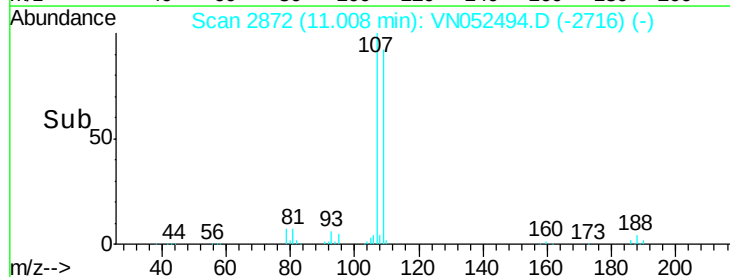
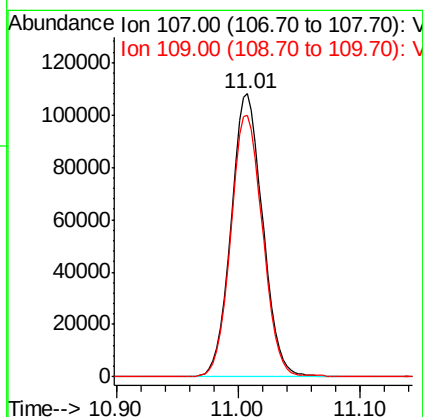
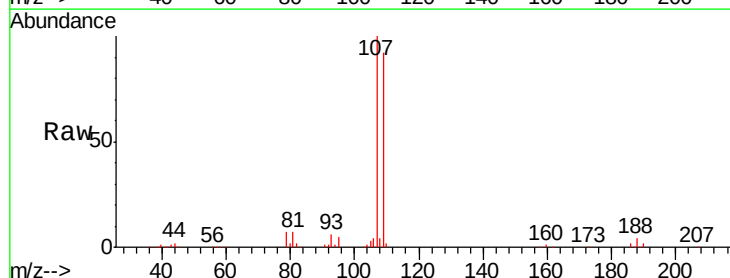
Manual Integrations
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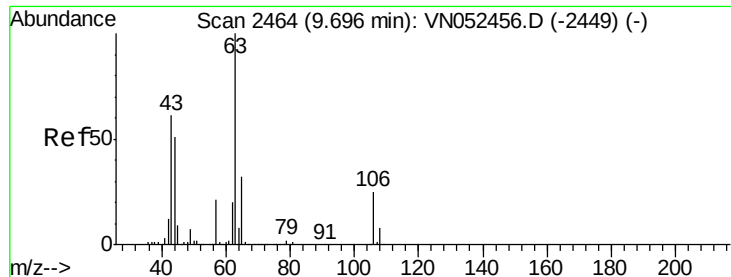
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#54
 1,2-Dibromoethane
 Concen: 19.90 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion:107 Resp: 194573
 Ion Ratio Lower Upper
 107 100
 109 92.7 77.1 115.7





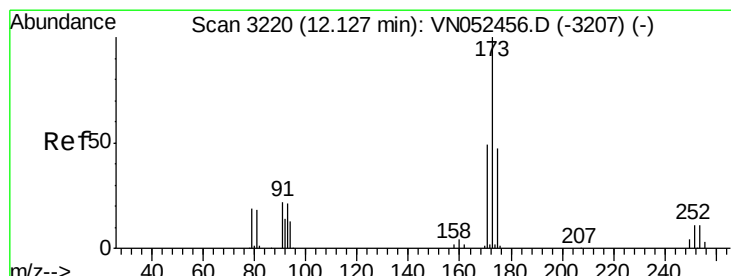
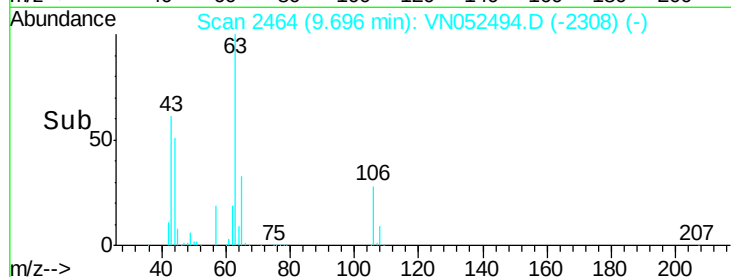
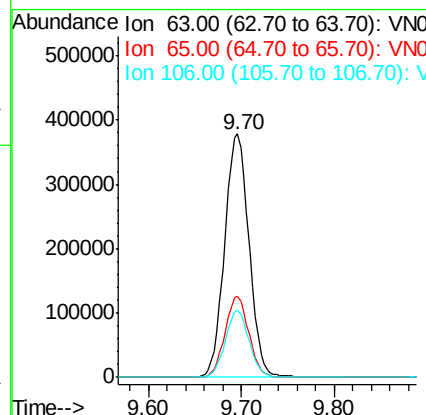
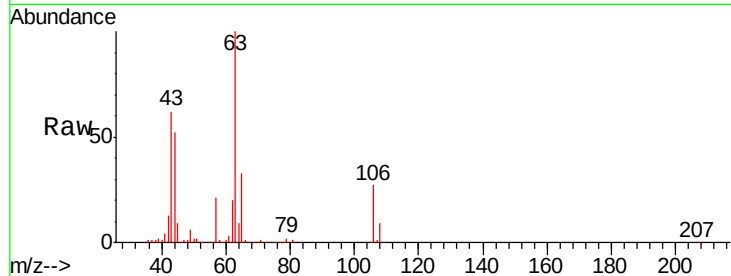
#55
 2-Chloroethyl vinyl ether
 Concen: 93.93 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	26.9	20.4	30.6

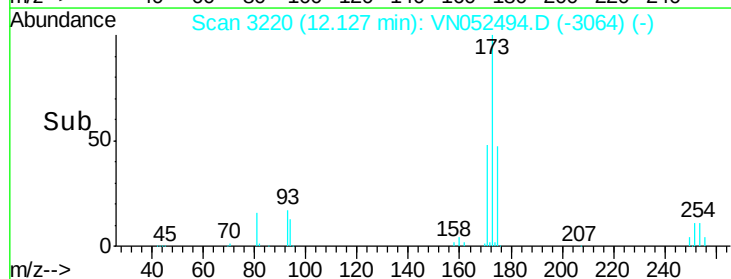
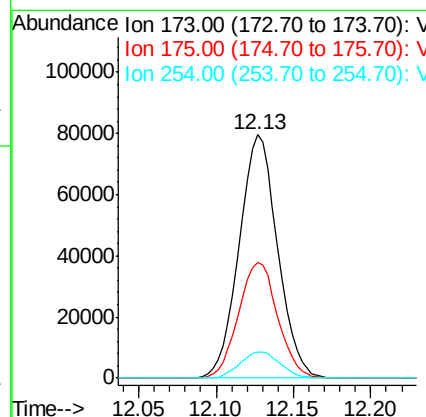
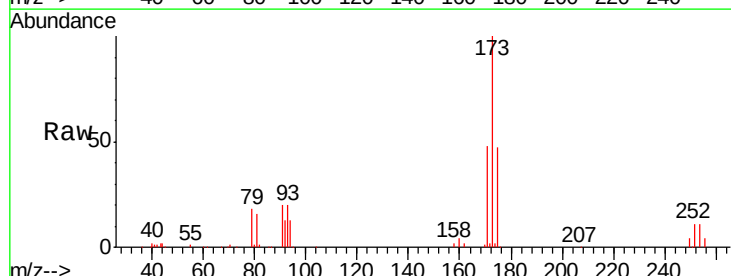
Manual Integrations
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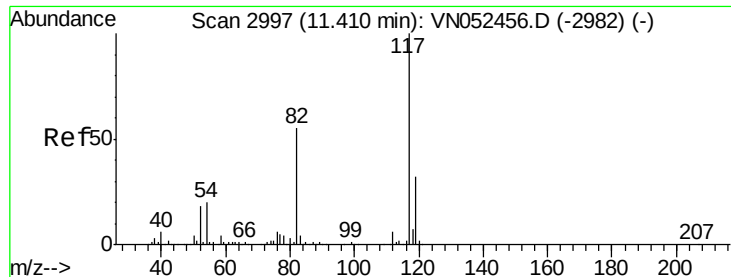
MMDadoda
 11/28/2018 9:32:31 AM



#56
 Bromoform
 Concen: 19.07 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.7	58.1
254	11.1	8.4	12.6





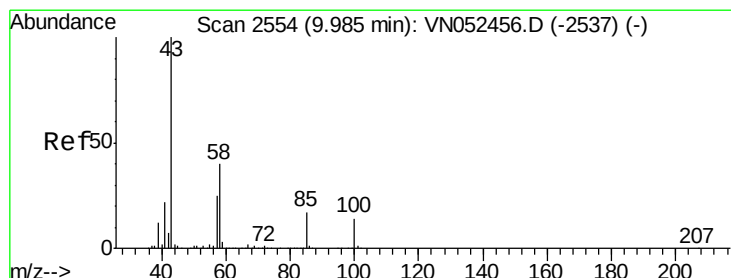
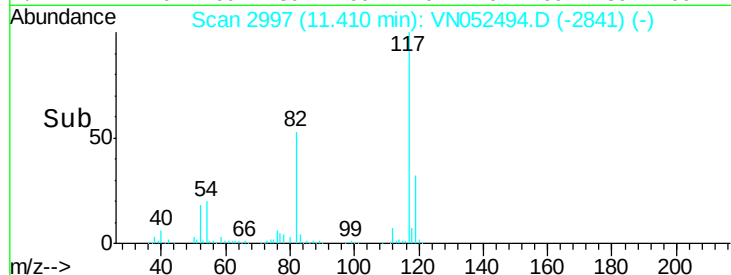
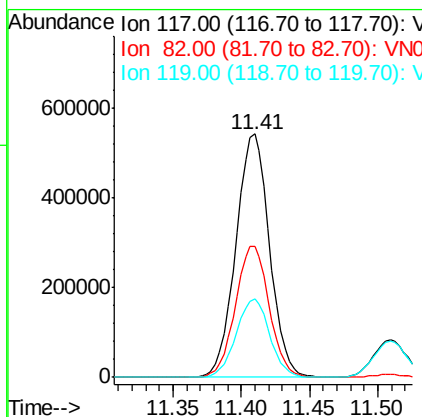
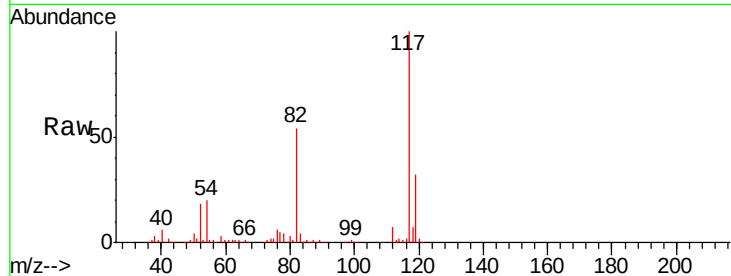
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.3	44.2	66.2
119	32.2	25.4	38.2

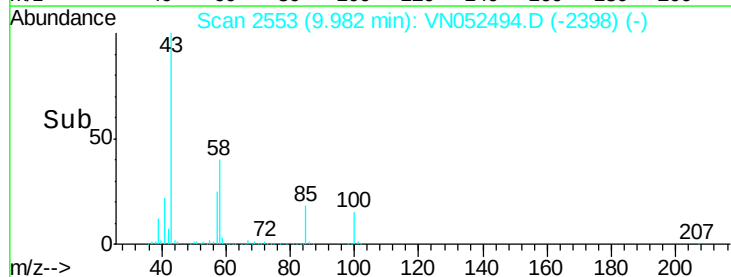
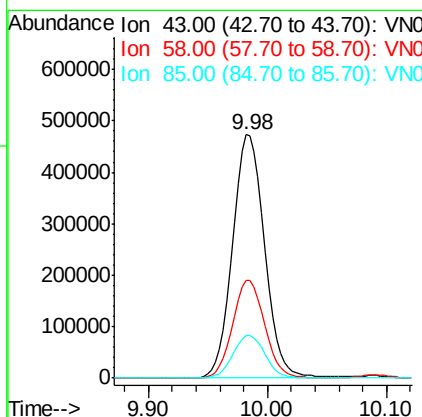
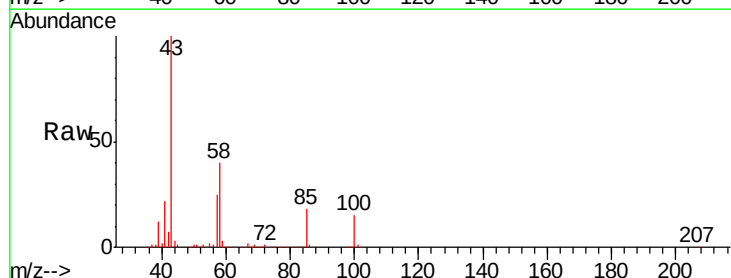
Manual Integrations
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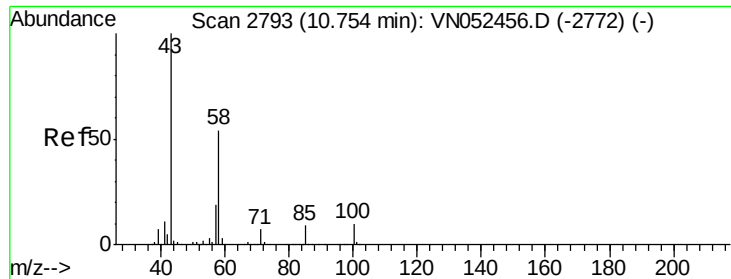
MMDadoda
11/28/2018 9:32:31 AM



#58
4-Methyl-2-Pentanone
Concen: 97.87 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	40.2	31.6	47.4
85	17.7	13.3	19.9





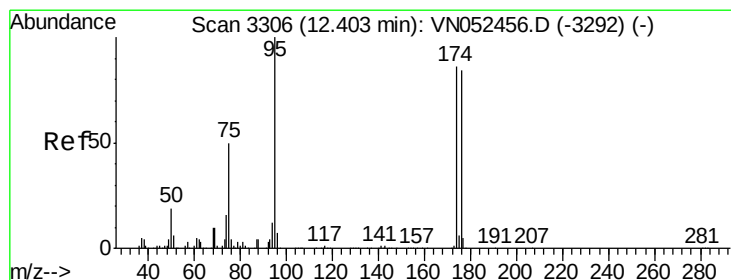
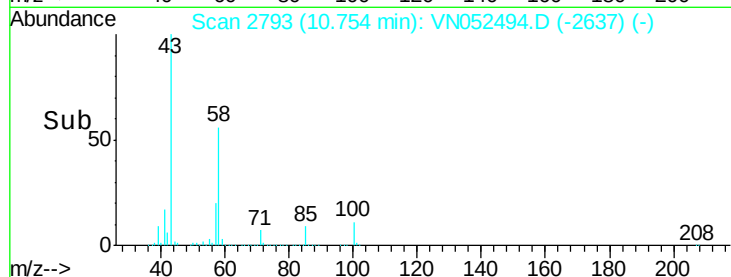
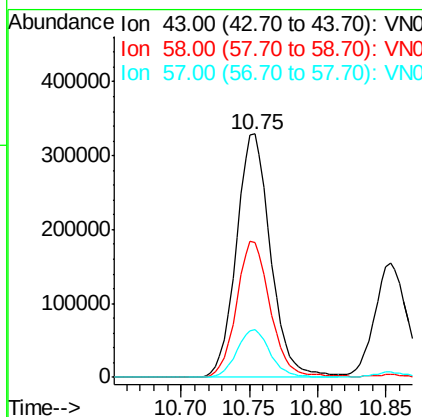
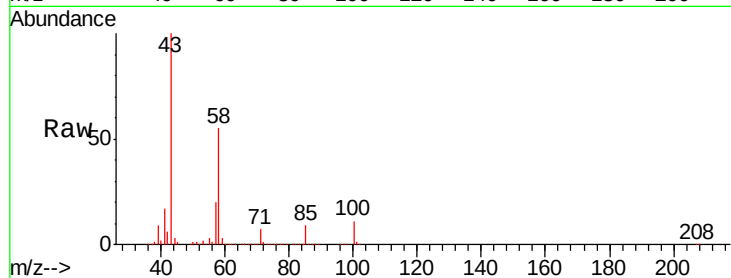
#59
2-Hexanone
Concen: 92.80 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.7	43.2	64.8
57	19.3	14.9	22.3

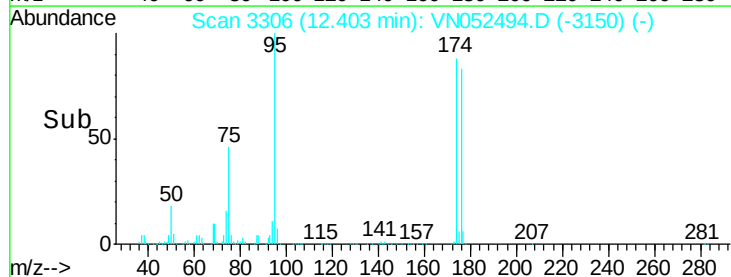
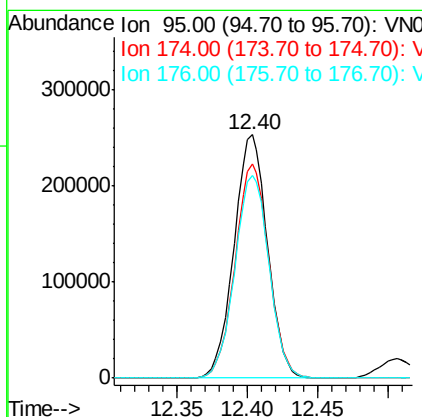
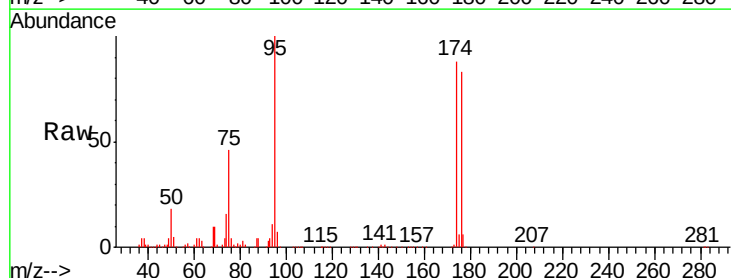
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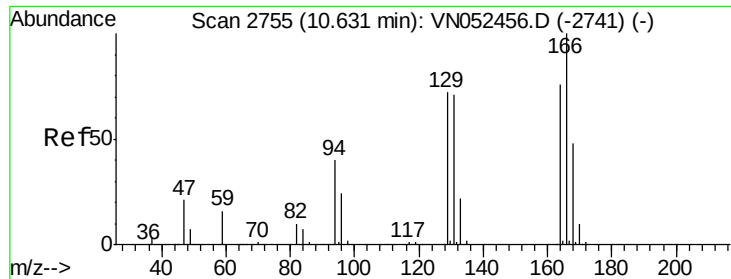
MMDadoda
11/28/2018 9:32:31 AM



#60
4-Bromofluorobenzene
Concen: 92.80 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	67.9	101.9
176	85.1	66.4	99.6





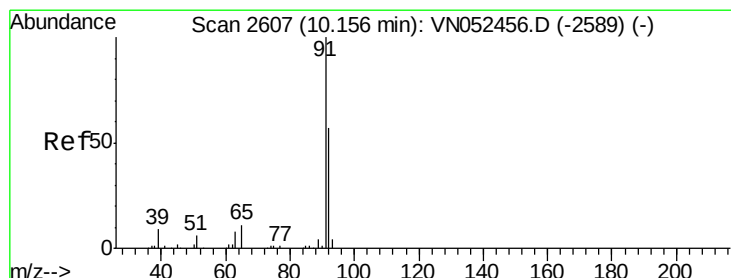
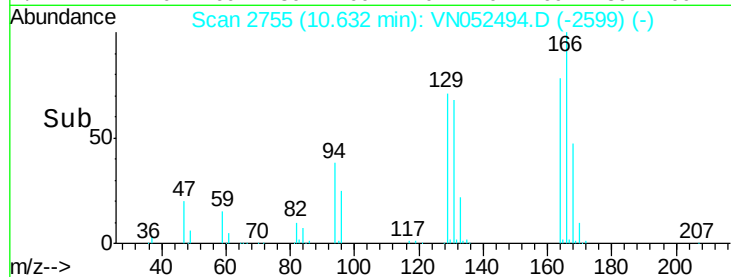
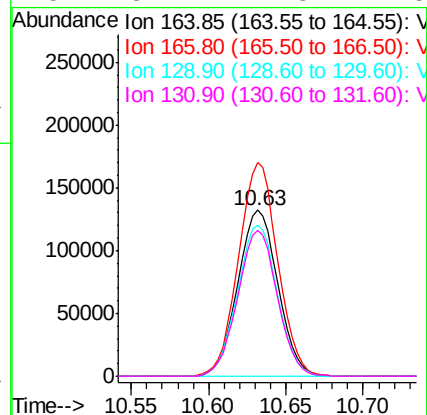
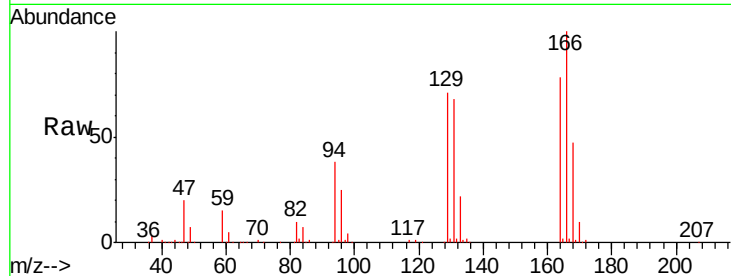
#61
Tetrachloroethene
Concen: 20.78 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	104.6	157.0
129	91.1	75.3	112.9
131	87.7	74.3	111.5

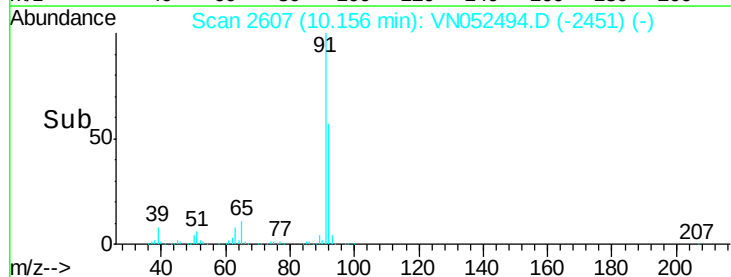
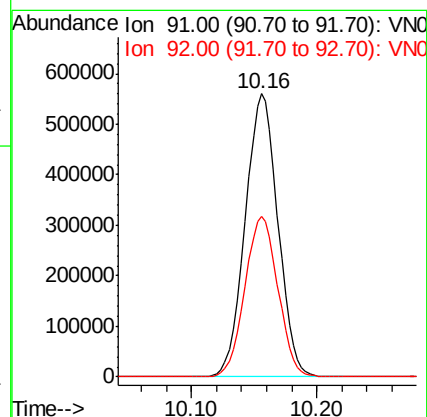
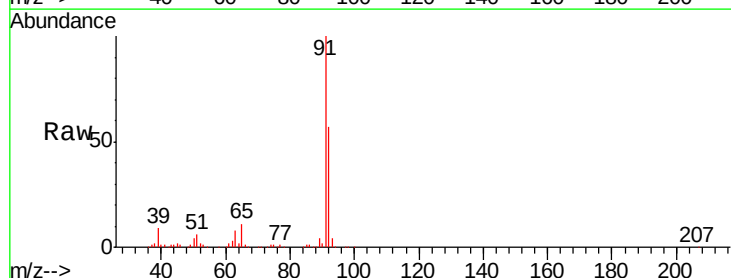
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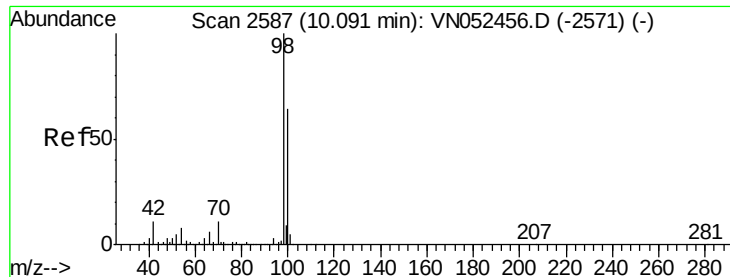
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#62
Toluene
Concen: 19.82 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	45.4	68.2





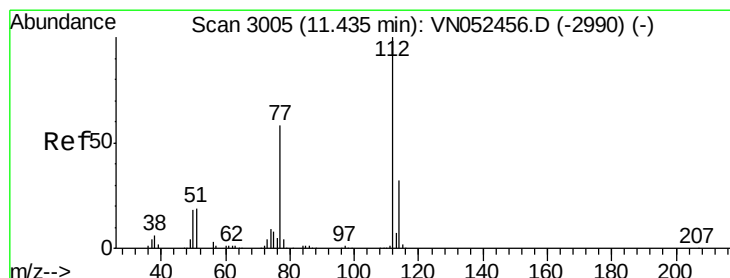
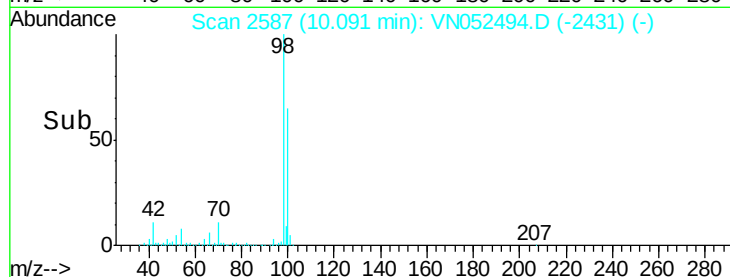
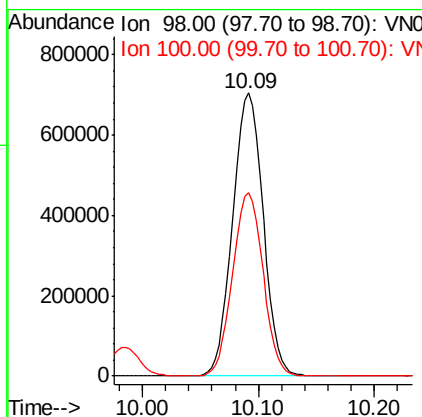
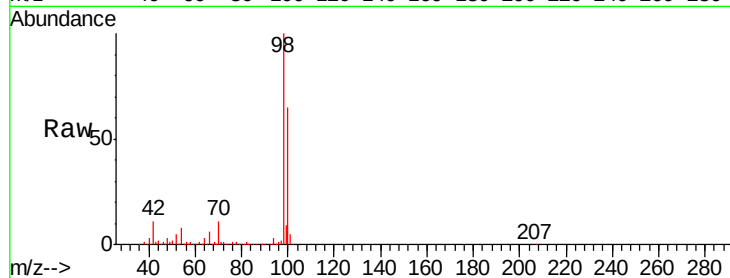
#63
Toluene-d8
Concen: 19.82 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion: 98 Resp: 1287190
Ion Ratio Lower Upper
98 100
100 64.6 51.1 76.7

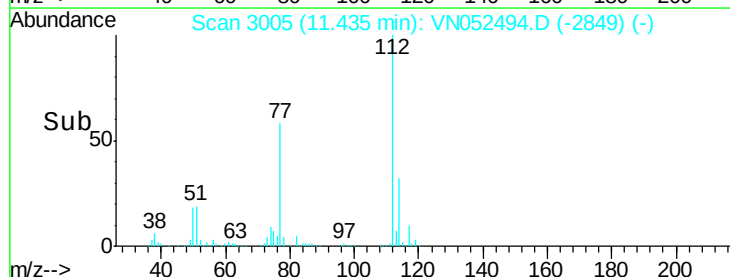
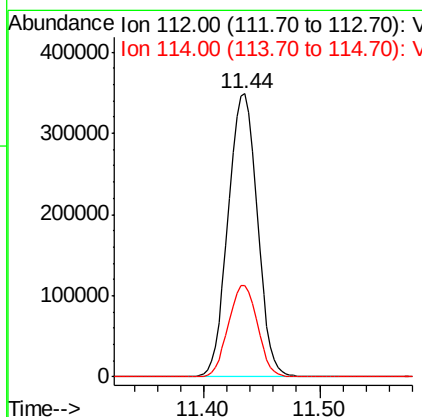
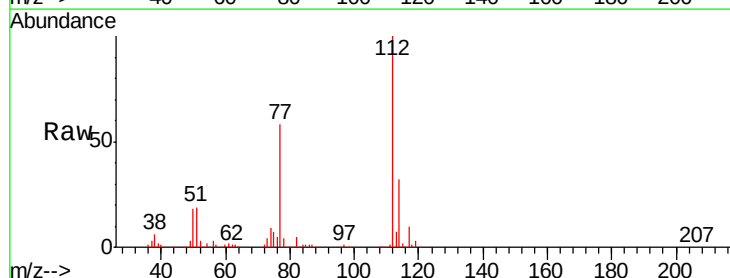
Manual Integrations
APPROVED

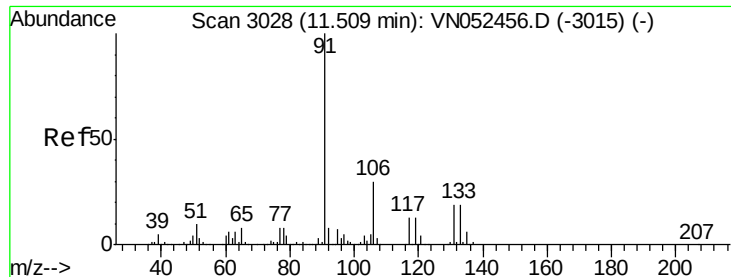
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#64
Chlorobenzene
Concen: 19.46 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion: 112 Resp: 608014
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 18.93 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

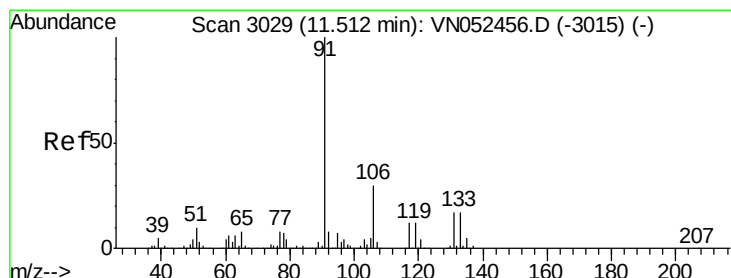
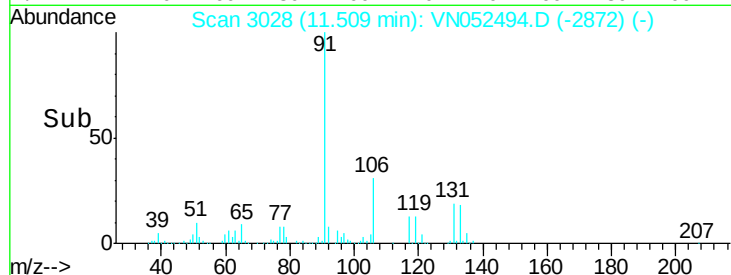
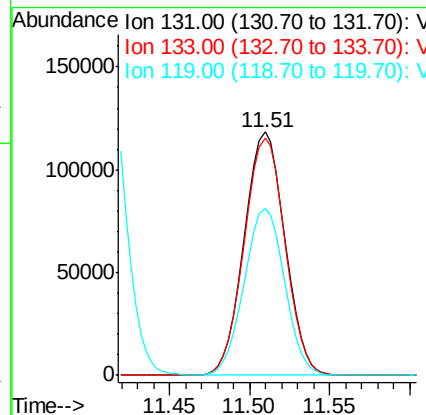
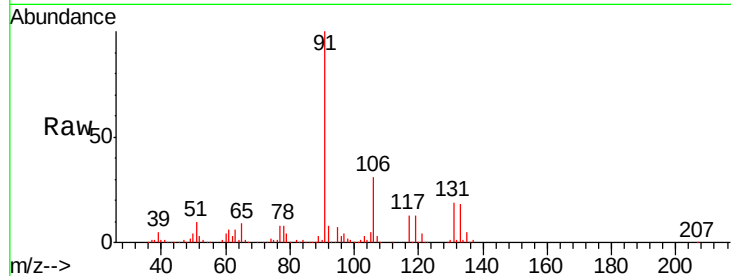
ClientSampleId :

VN1127WBS02

Tgt Ion:	131	Resp:	205211
Ion Ratio	Lower	Upper	
131	100		
133	98.0	0.0	193.4
119	68.2	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.34 ug/l

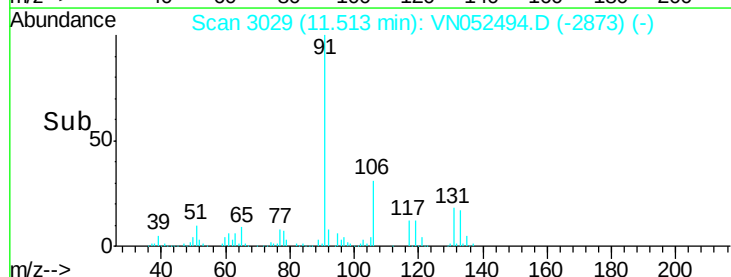
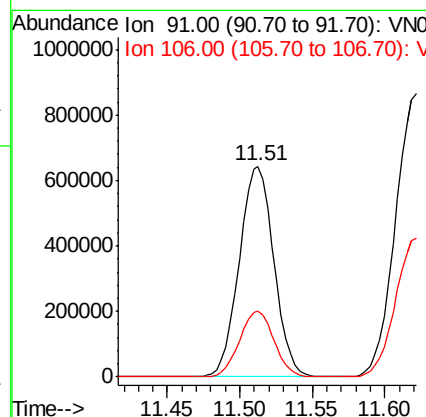
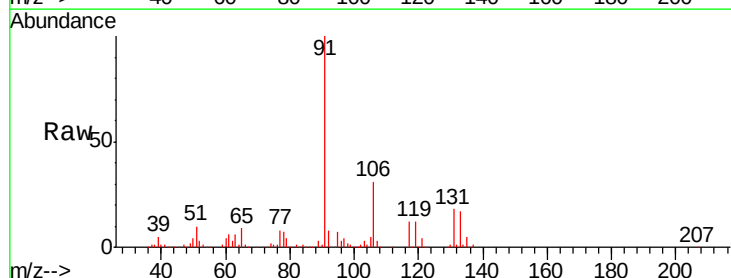
RT: 11.51 min Scan# 3029

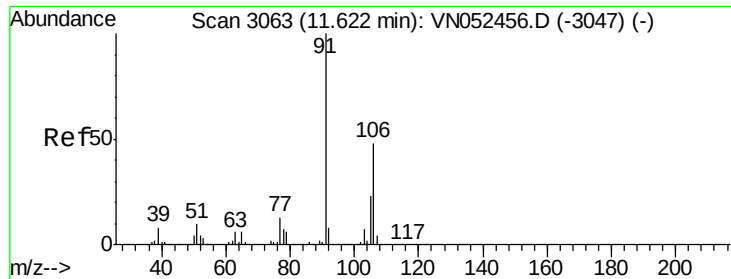
Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	91	Resp:	1066748
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.3	36.5





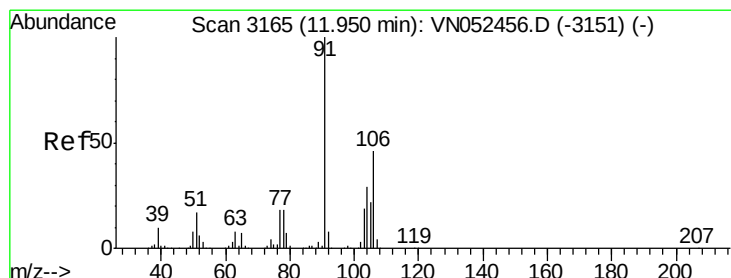
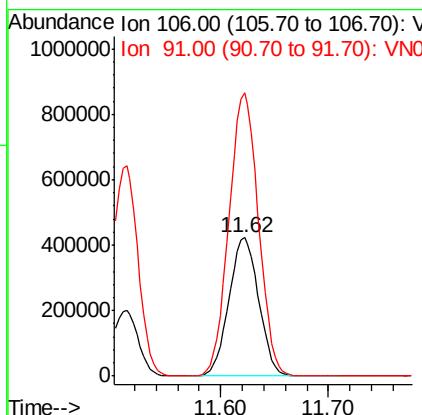
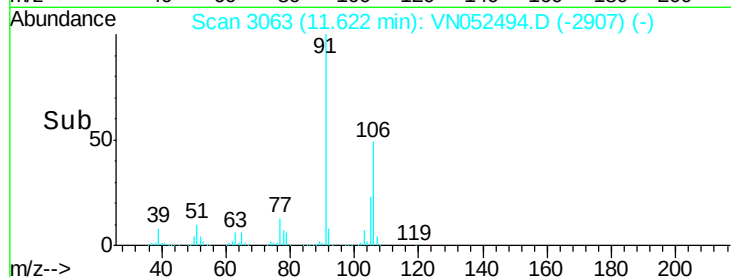
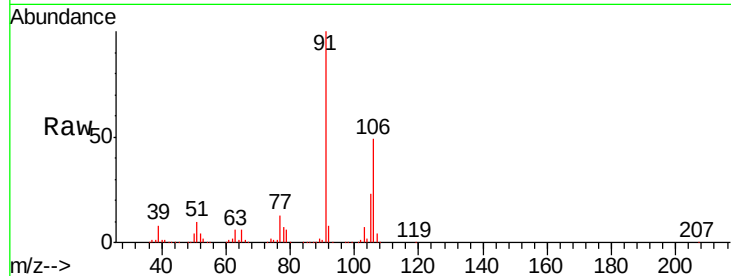
#67
m/p-Xylenes
Concen: 39.49 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion:106 Resp: 811572
Ion Ratio Lower Upper
106 100
91 203.2 163.9 245.9

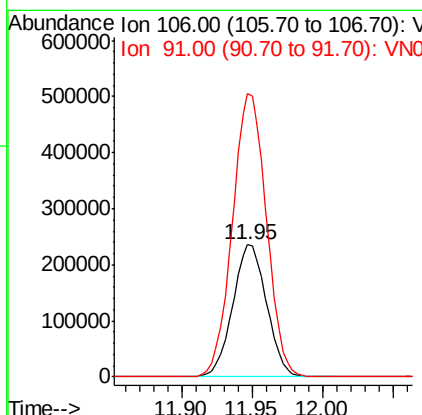
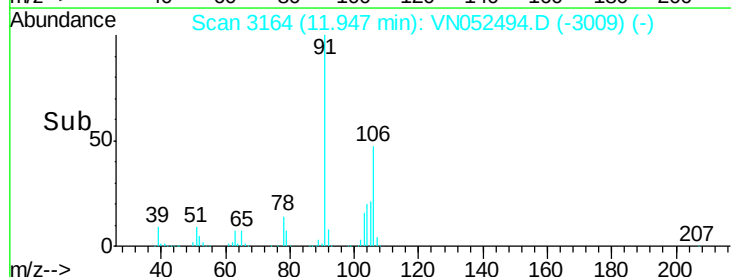
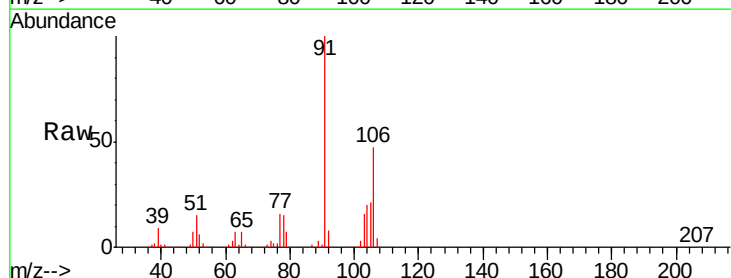
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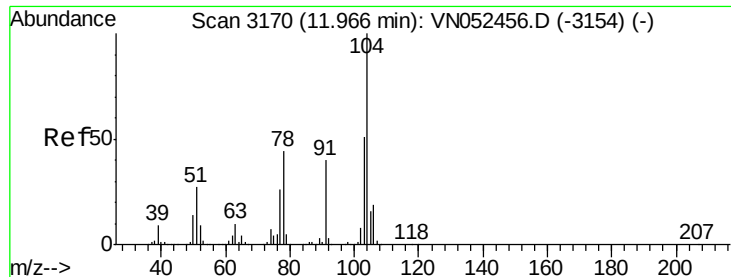
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11/28/2018 9:32:31 AM



#68
o-Xylene
Concen: 19.86 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion:106 Resp: 396085
Ion Ratio Lower Upper
106 100
91 215.1 107.8 323.4





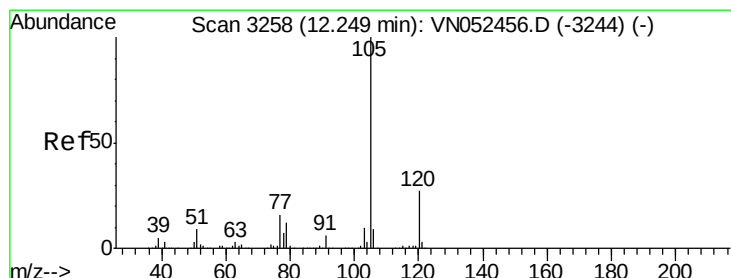
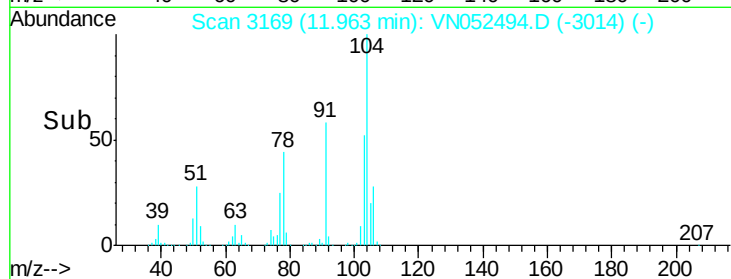
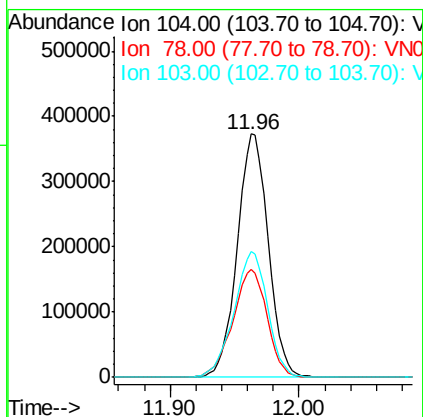
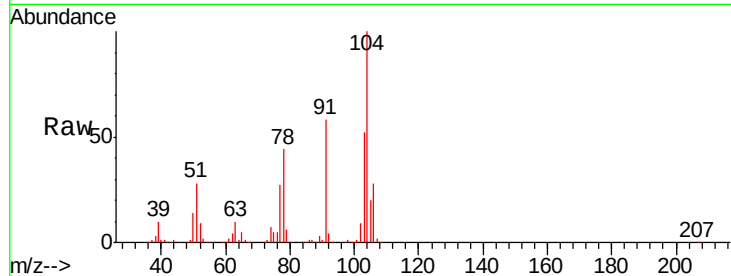
#69
Styrene
Concen: 19.41 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.3	58.9
103	56.0	44.6	66.8

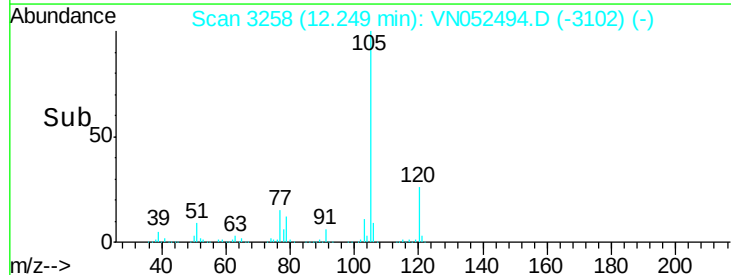
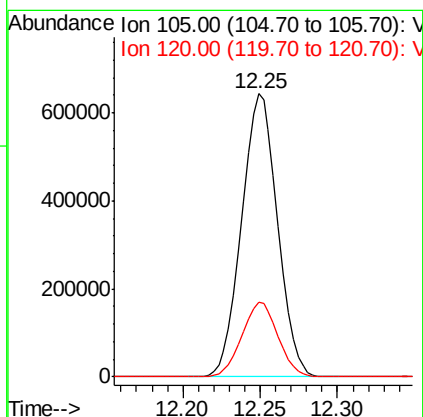
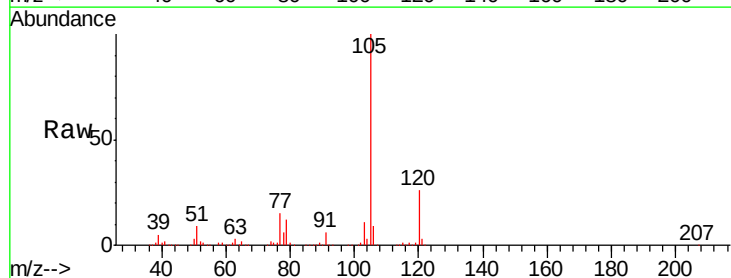
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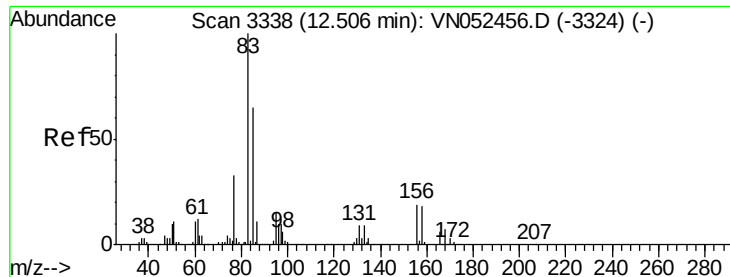
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11/28/2018 9:32:31 AM



#70
Isopropylbenzene
Concen: 19.57 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.6





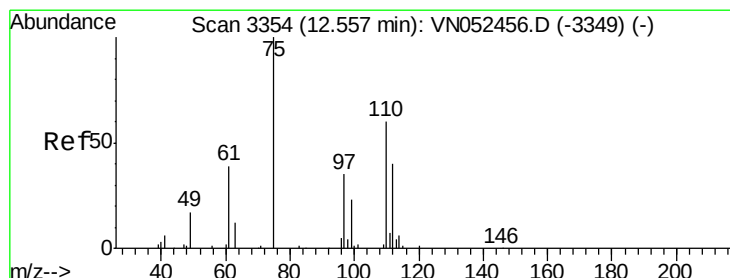
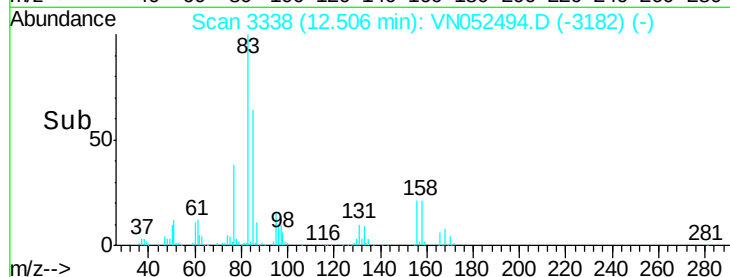
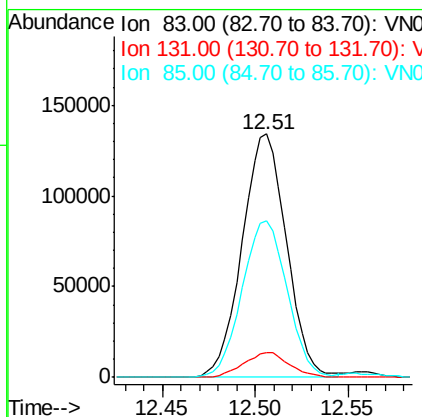
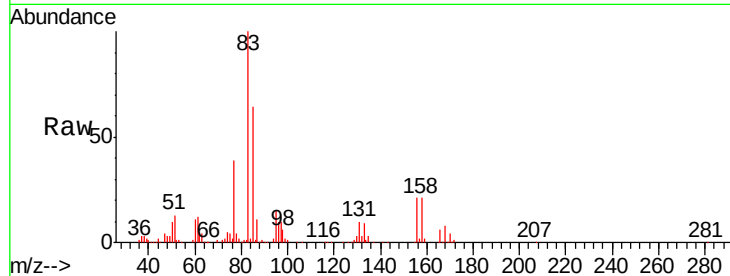
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.32 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.6
85	65.2	32.2	96.6

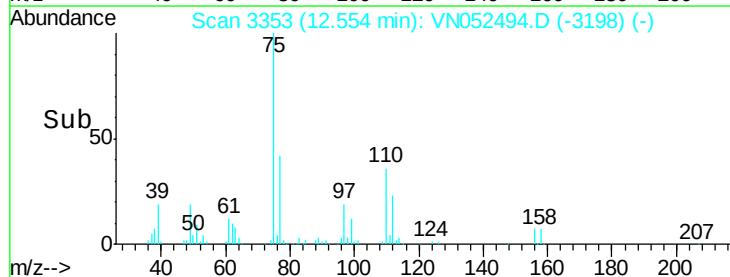
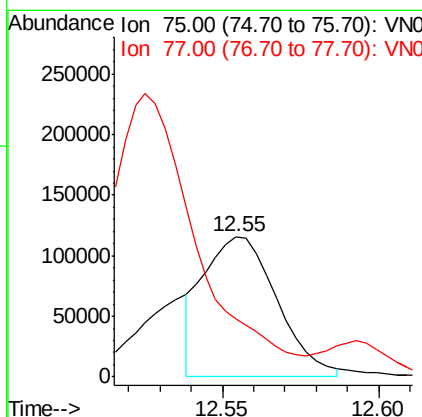
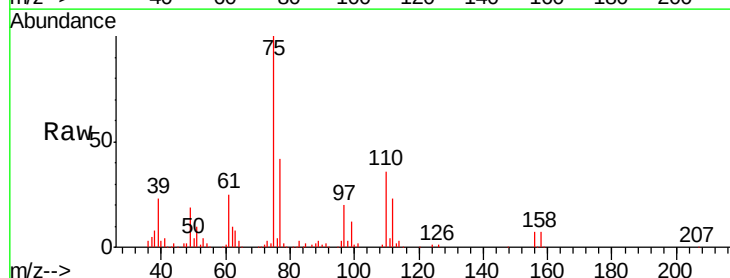
Manual Integrations
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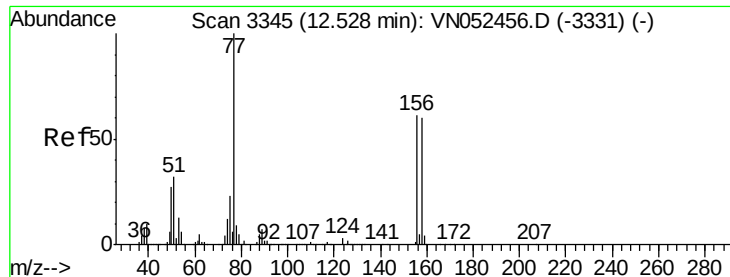
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#72
 1,2,3-Trichloropropane
 Concen: 19.10 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	246.4	0.0	514.8





#73

Bromobenzene

Concen: 19.83 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

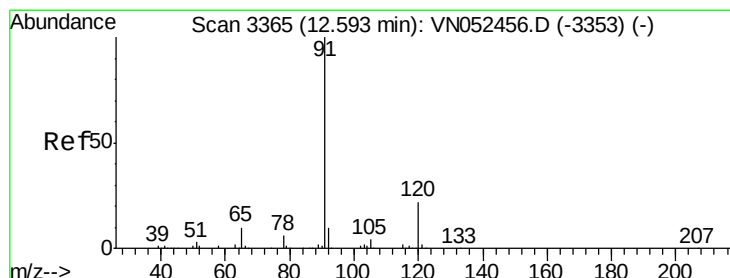
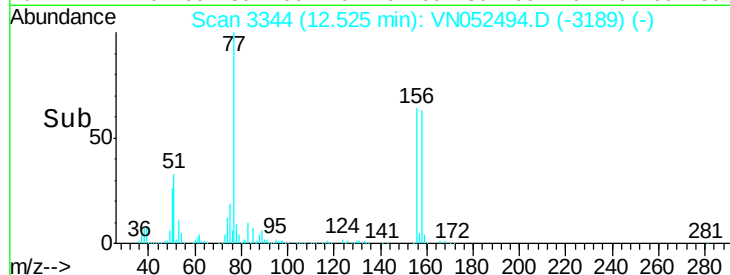
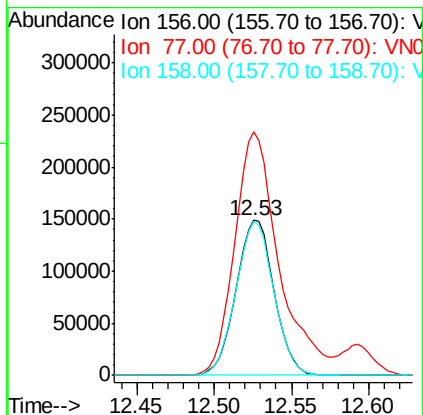
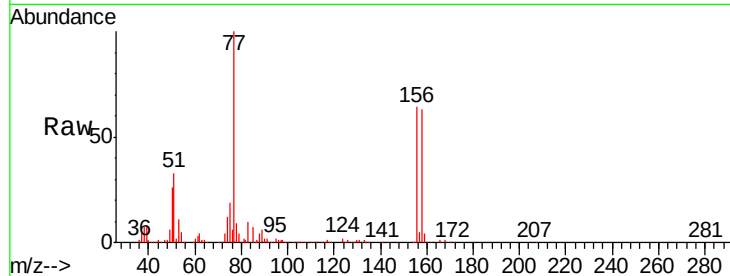
ClientSampleId :

VN1127WBS02

Tgt Ion:	156	Resp:	254499
Ion Ratio	Lower	Upper	
156	100		
77	183.3	0.0	382.6
158	98.6	0.0	196.8

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#74

n-propylbenzene

Concen: 19.00 ug/l

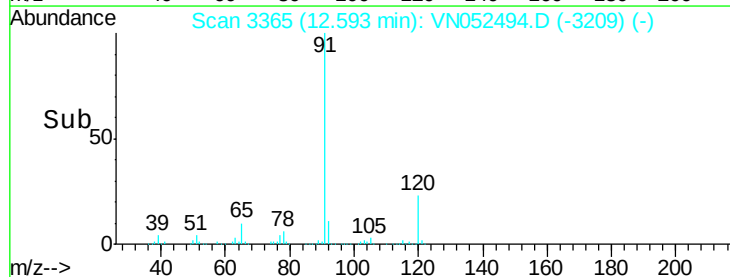
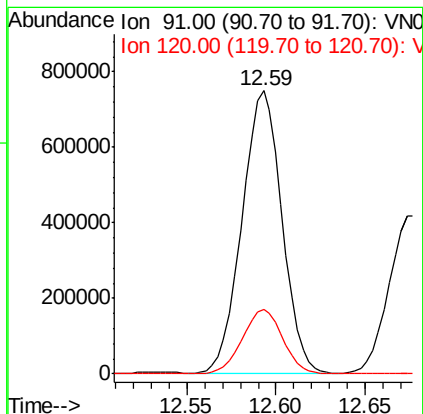
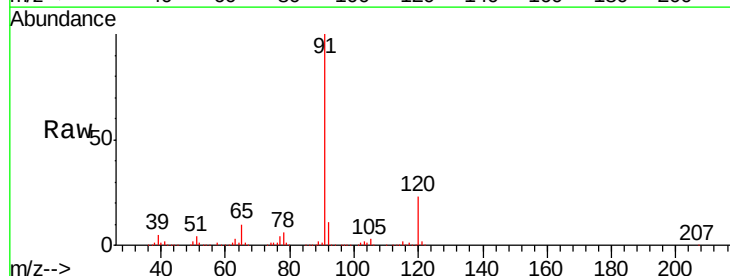
RT: 12.59 min Scan# 3365

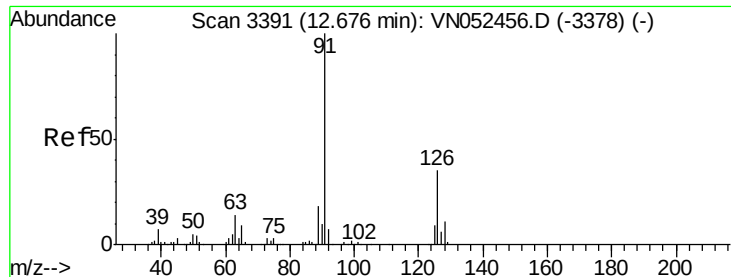
Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	91	Resp:	1174937
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.43 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBS02

Tgt Ion: 91 Resp: 697276

Ion Ratio Lower Upper

91 100

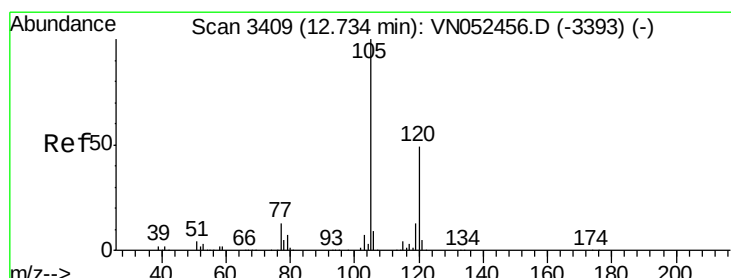
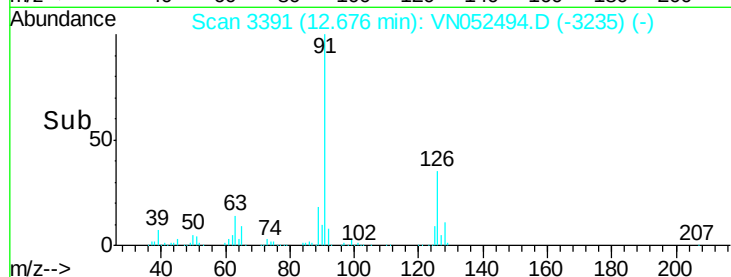
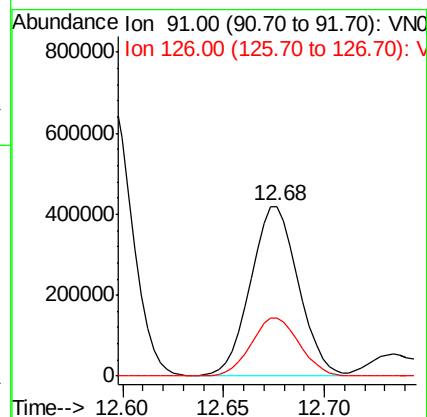
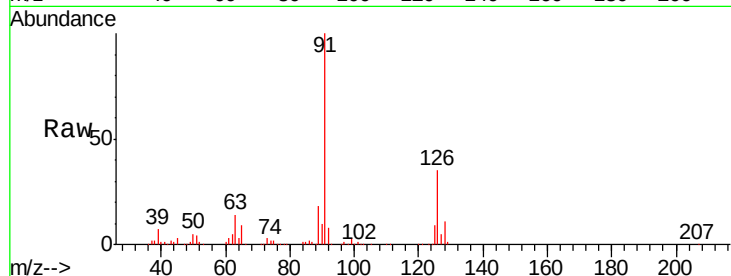
126 34.8 0.0 68.4

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11/28/2018 9:32:31 AM



#76

1,3,5-Trimethylbenzene

Concen: 19.58 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052494.D

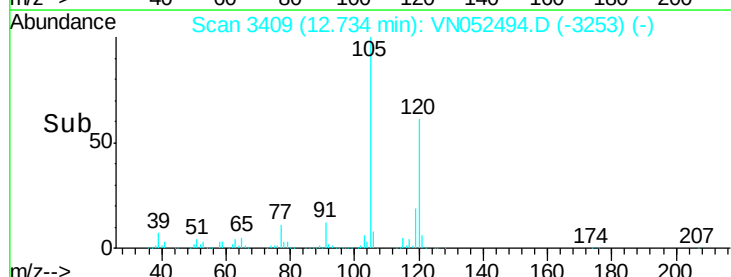
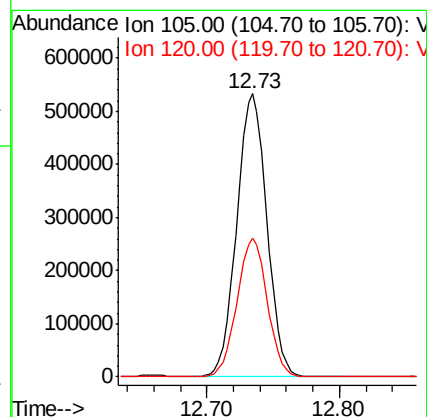
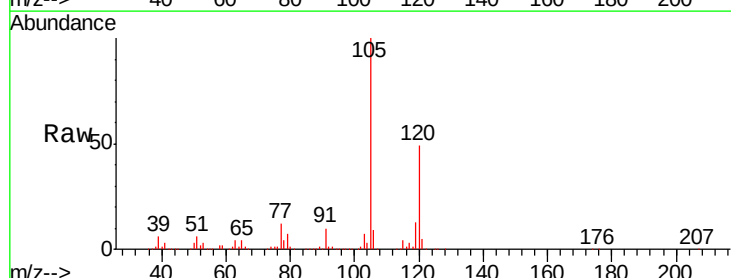
Acq: 27 Nov 2018 22:59

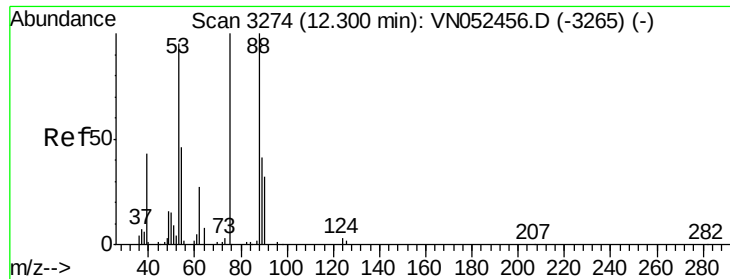
Tgt Ion: 105 Resp: 839449

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.38 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

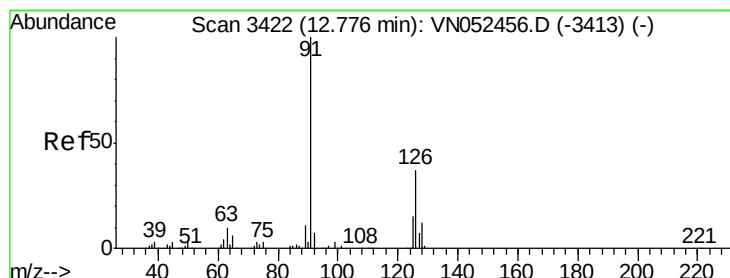
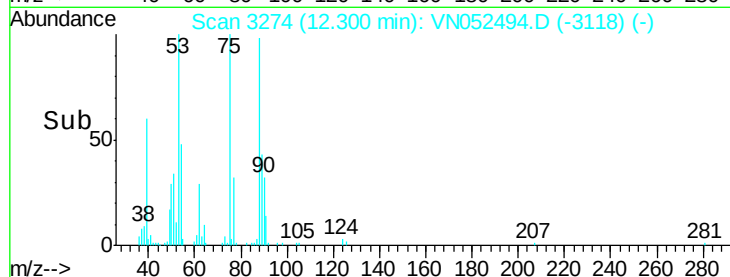
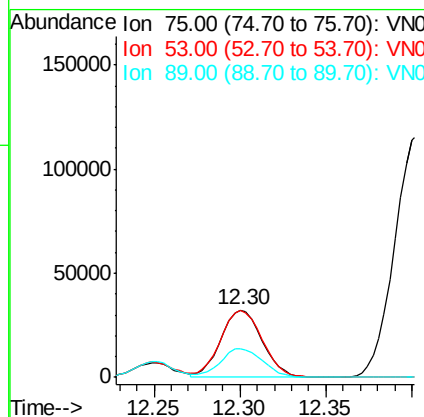
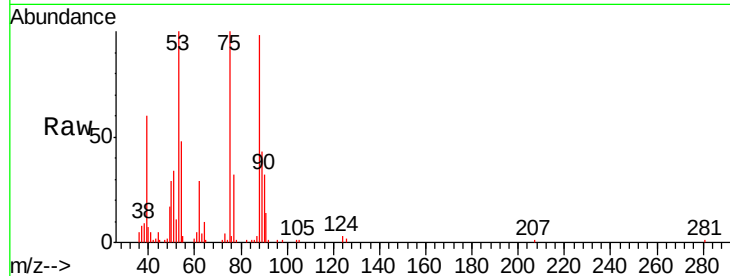
ClientSampleId :

VN1127WBS02

Tgt Ion:	75	Resp:	54395
Ion	Ratio	Lower	Upper
75	100		
53	100.2	48.5	145.6
89	43.6	21.7	65.1

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#78

4-Chlorotoluene

Concen: 19.06 ug/l

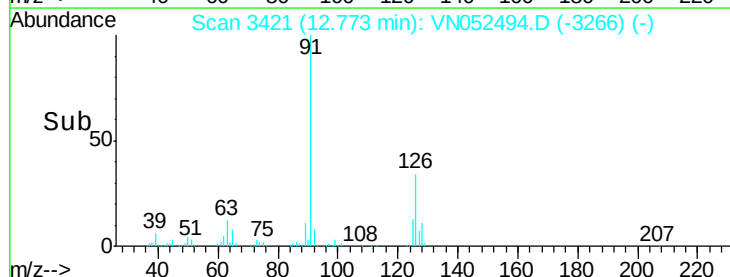
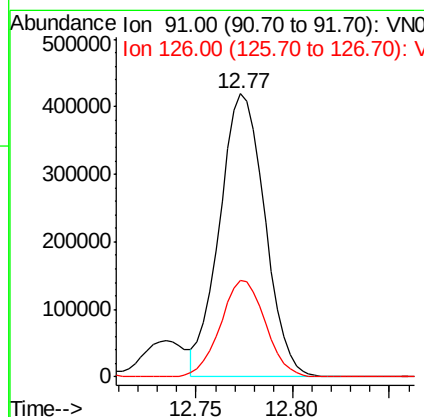
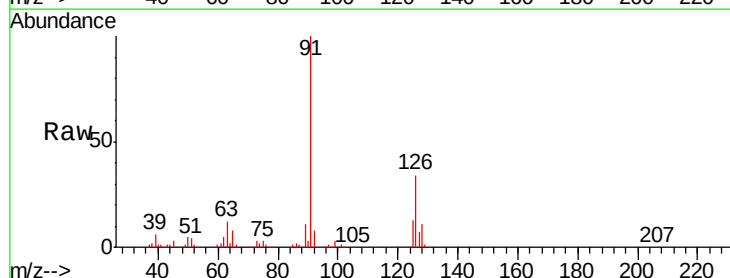
RT: 12.77 min Scan# 3421

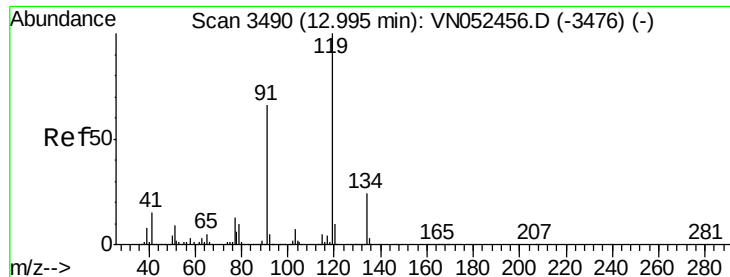
Delta R.T. -0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	91	Resp:	683164
Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	68.2





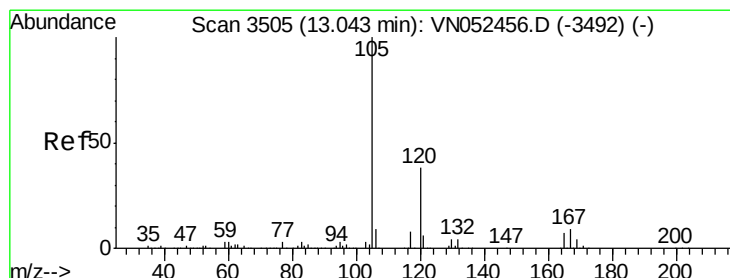
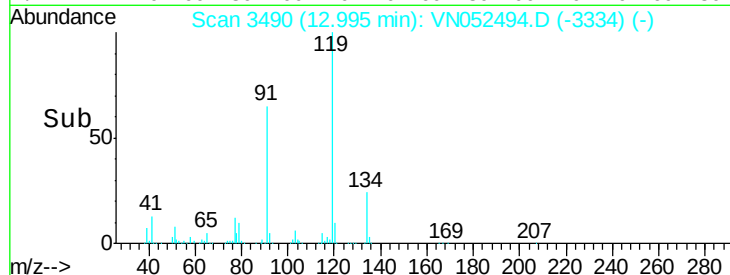
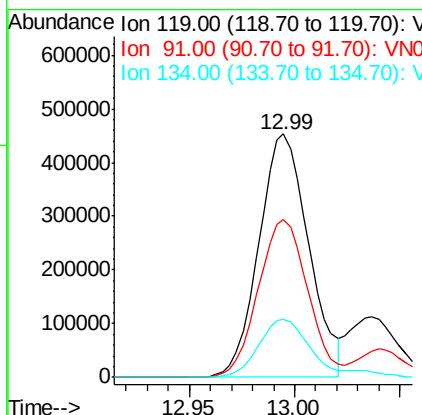
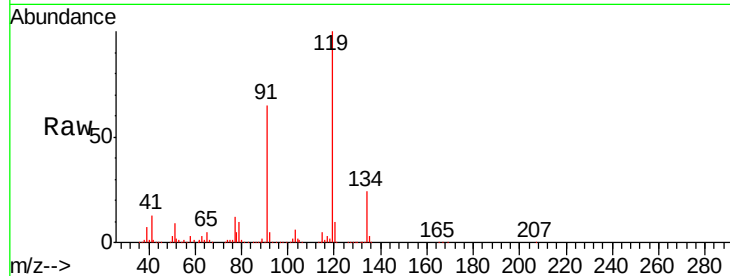
#79
tert-butylbenzene
Concen: 19.96 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	744988		
91	64.6	0.0	129.8	
134	24.2	0.0	52.2	

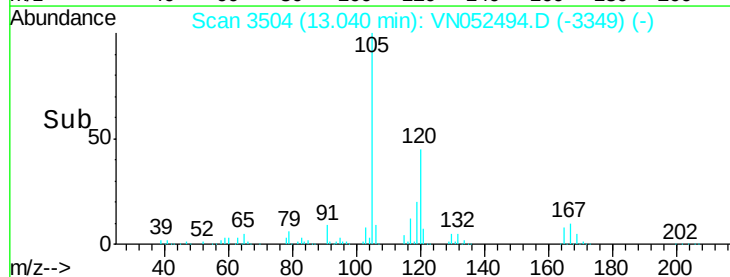
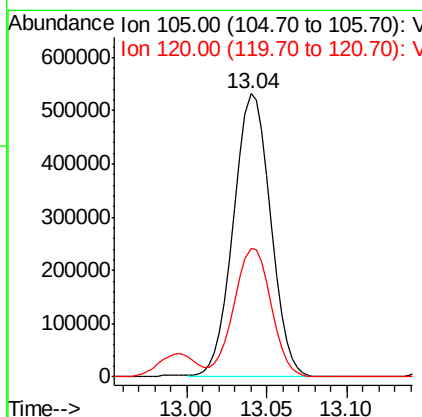
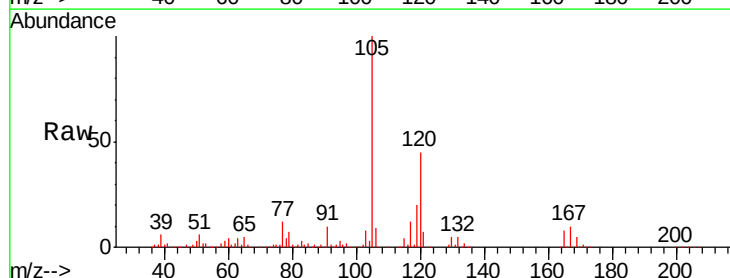
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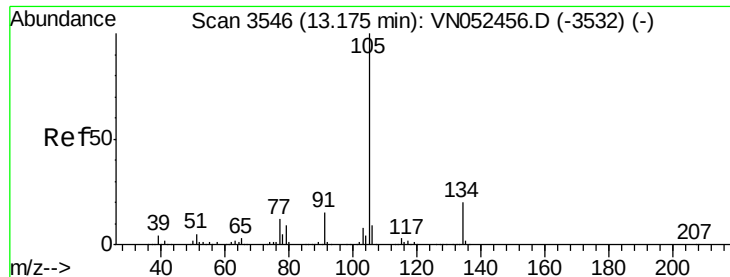
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#80
1,2,4-Trimethylbenzene
Concen: 19.64 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	842216		
120	45.4	0.0	91.0	





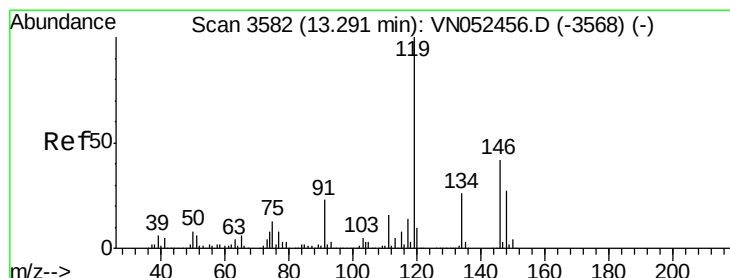
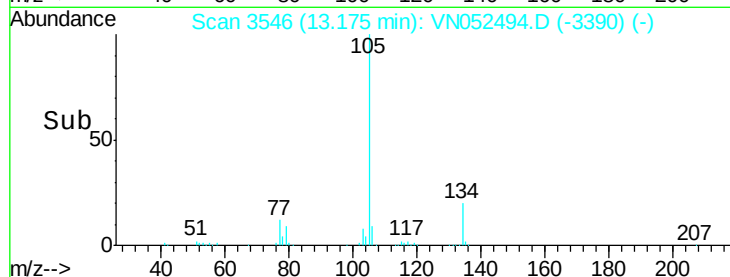
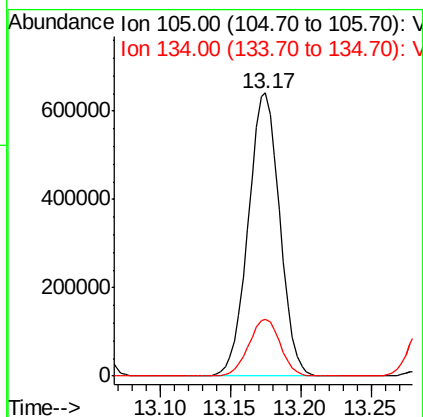
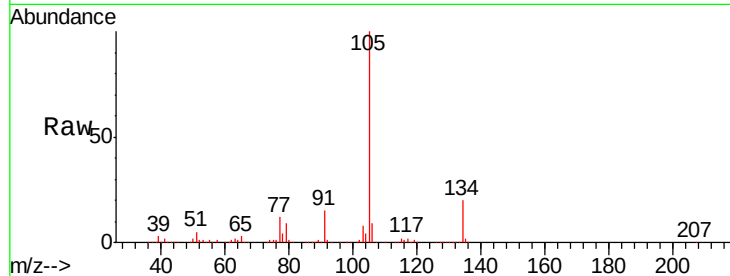
#81
 sec-Butylbenzene
 Concen: 19.29 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion:105 Resp: 1003057
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 40.4

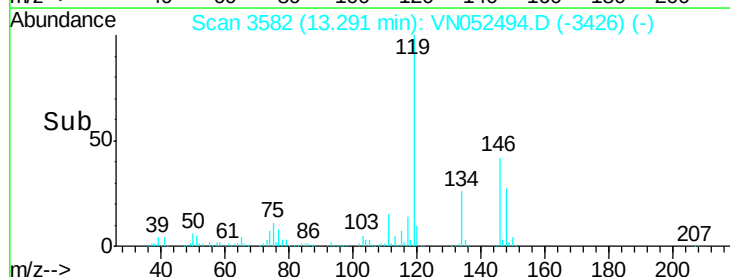
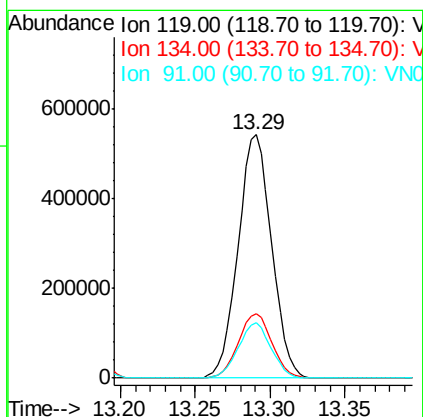
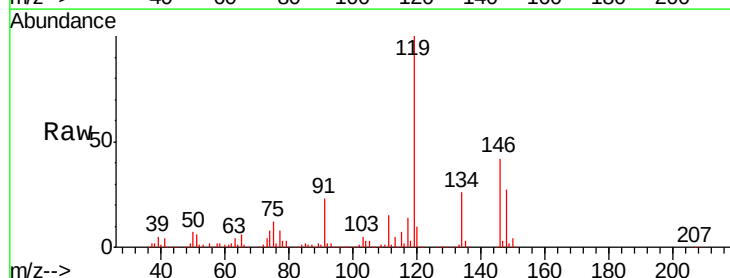
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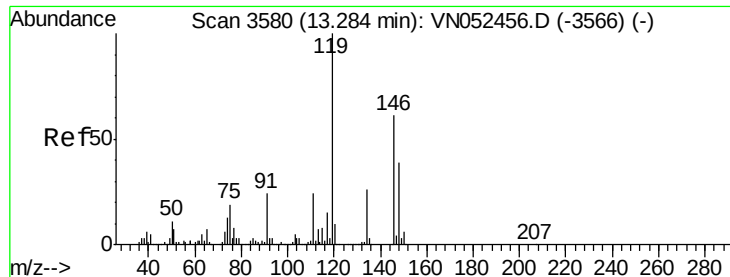
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 11/28/2018 9:32:31 AM



#82
 p-Isopropyltoluene
 Concen: 19.02 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion:119 Resp: 842072
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.6
 91 22.4 0.0 46.2





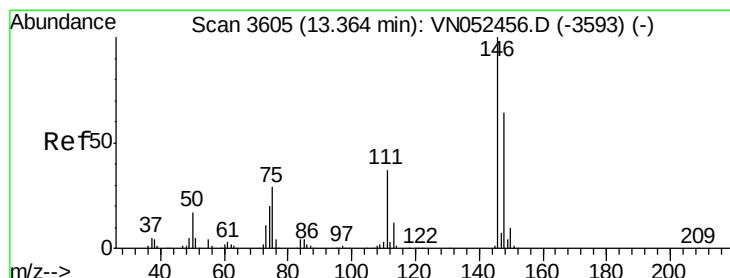
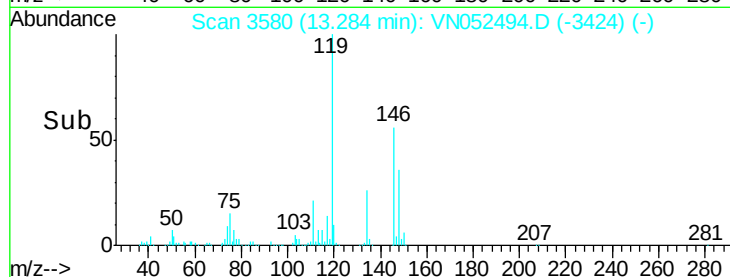
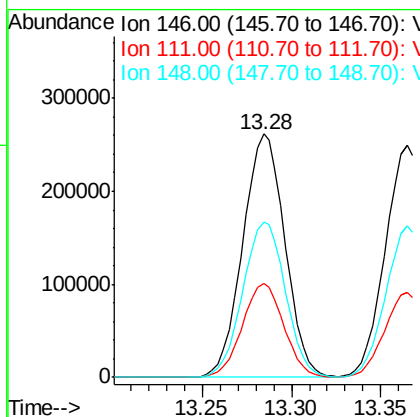
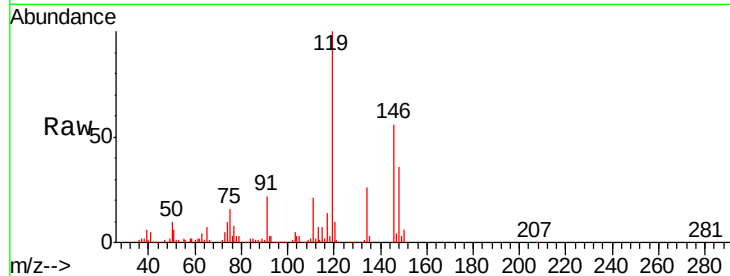
#83
 1,3-Dichlorobenzene
 Concen: 19.14 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.0
148	64.7	32.3	96.8

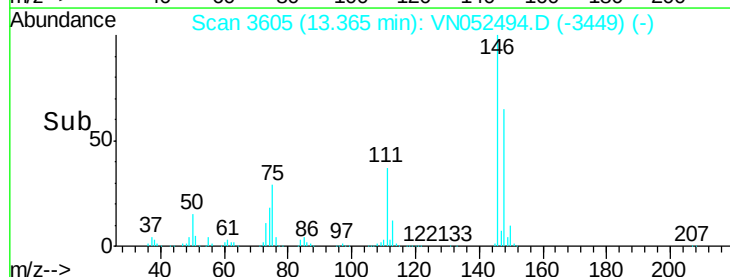
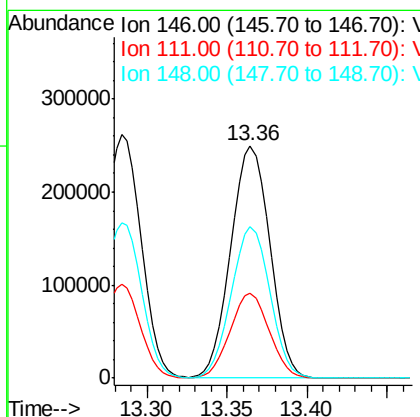
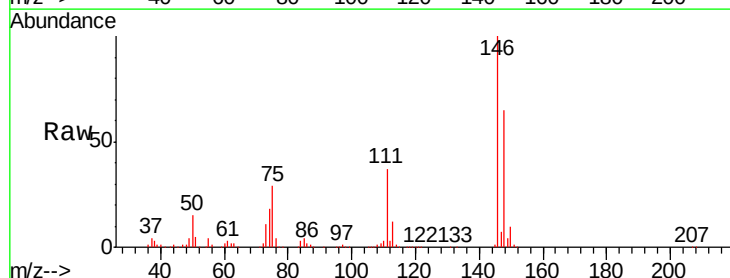
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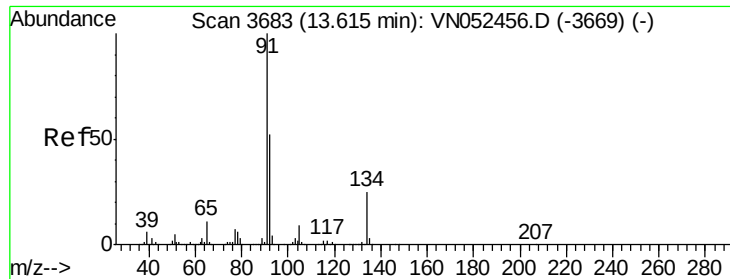
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 11/28/2018 9:32:31 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.14 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.3
148	64.3	32.5	97.4





#85

n-Butylbenzene

Concen: 17.74 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Instrument :

MSVOA_N

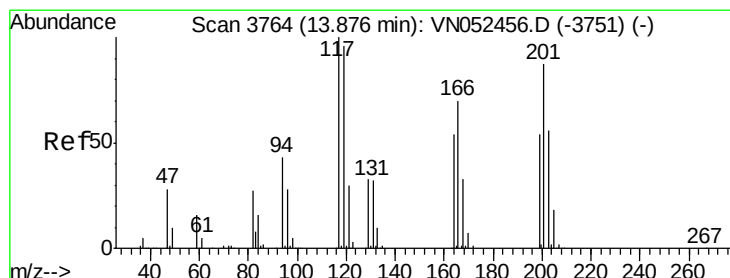
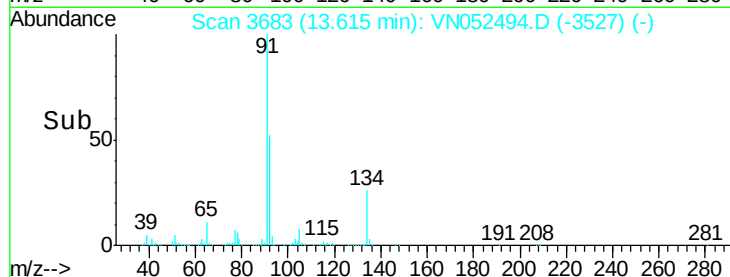
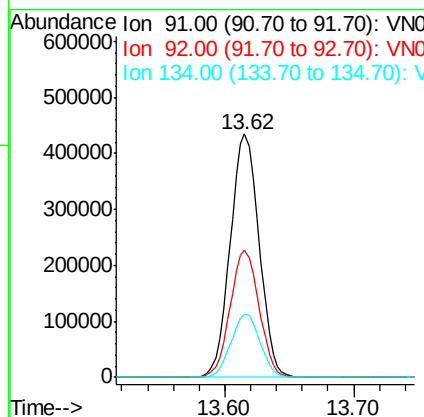
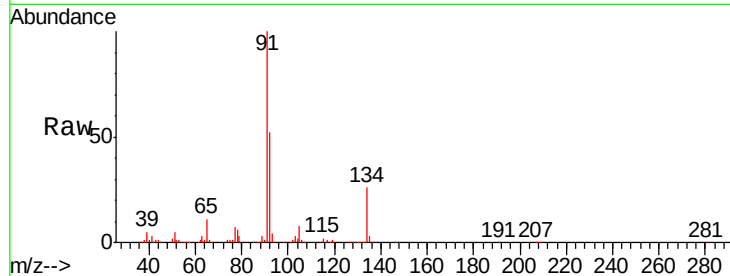
ClientSampleId :

VN1127WBS02

Tgt Ion:	91	Resp:	674731
Ion Ratio	Lower	Upper	
91	100		
92	52.1	0.0	104.2
134	26.1	0.0	50.6

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#86

Hexachloroethane

Concen: 18.05 ug/l

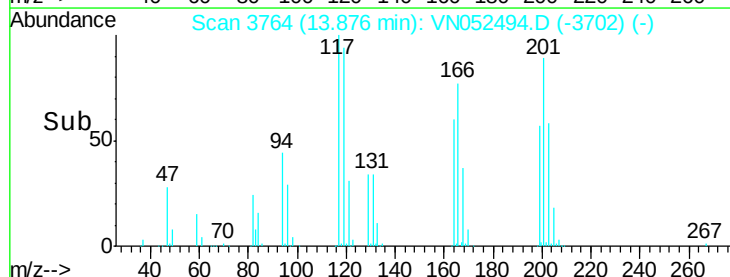
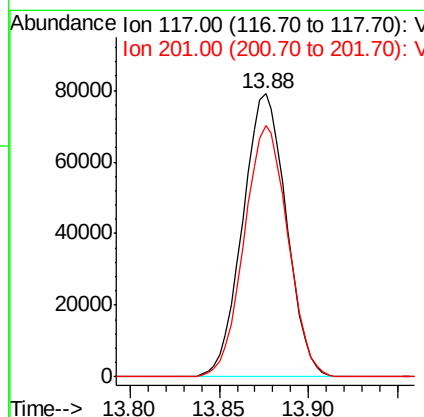
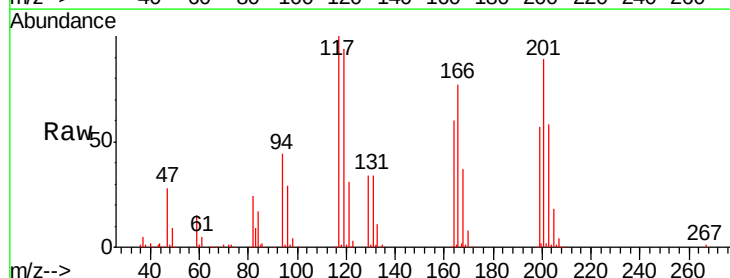
RT: 13.88 min Scan# 3764

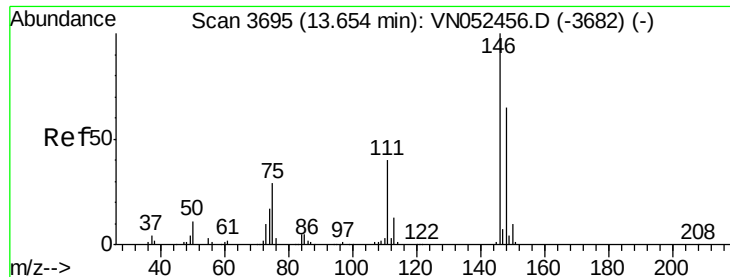
Delta R.T. 0.00 min

Lab File: VN052494.D

Acq: 27 Nov 2018 22:59

Tgt Ion:	117	Resp:	135432
Ion Ratio	Lower	Upper	
117	100		
201	88.6	43.8	131.3





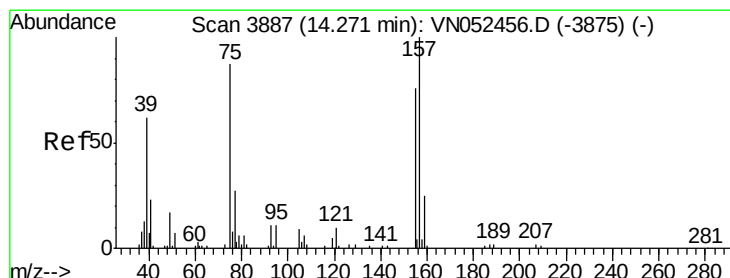
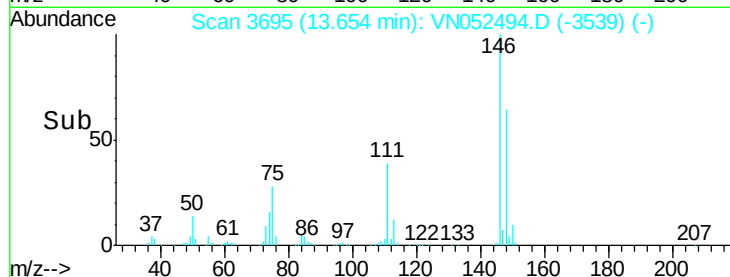
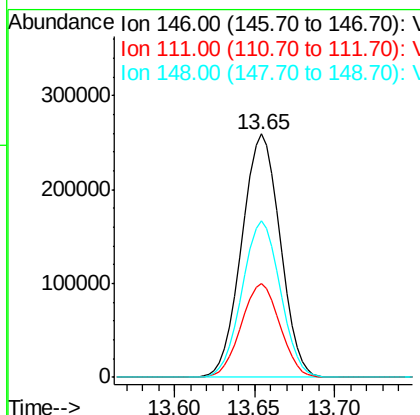
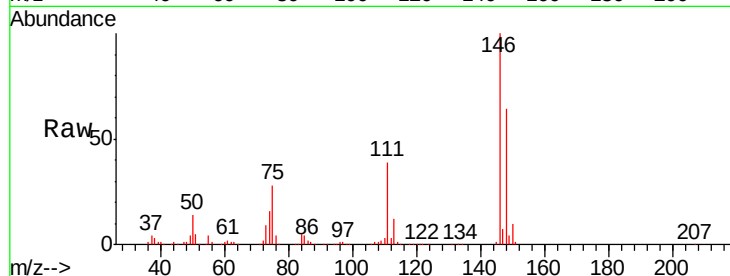
#87
 1,2-Dichlorobenzene
 Concen: 19.82 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.3	60.8
148	63.9	32.1	96.5

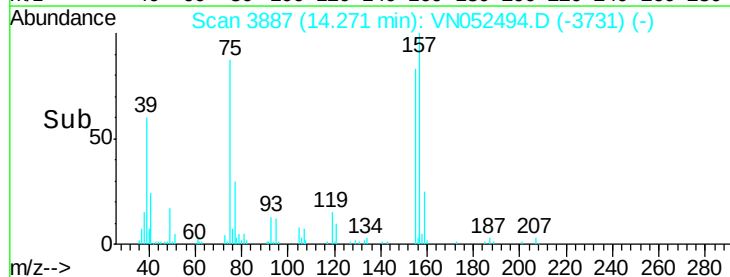
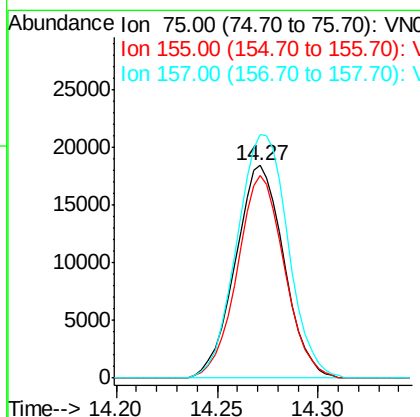
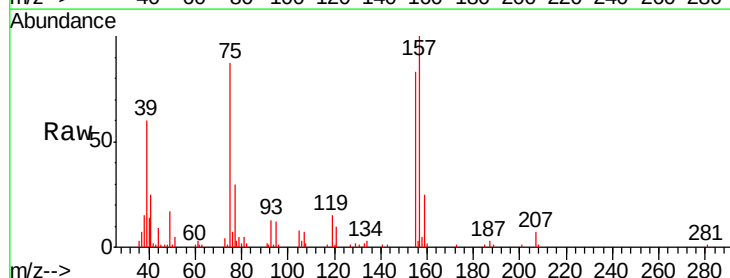
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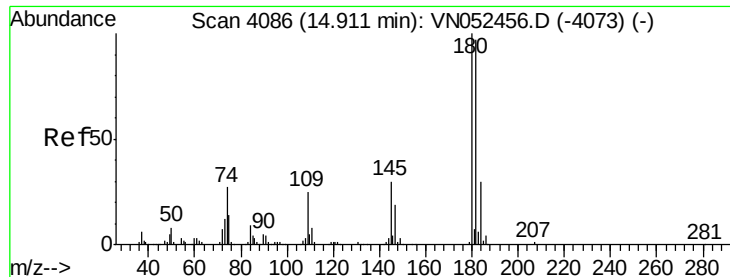
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.21 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	72.2	108.2
157	120.9	94.2	141.2





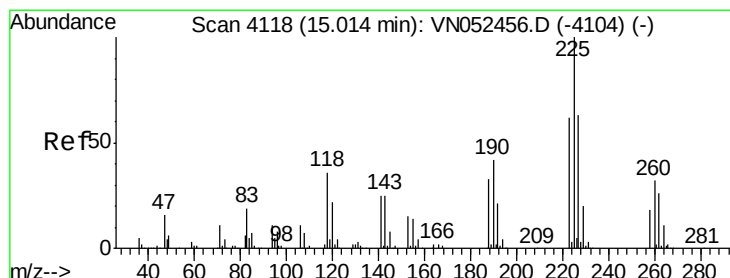
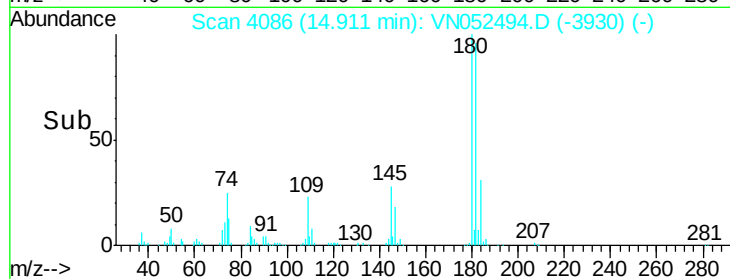
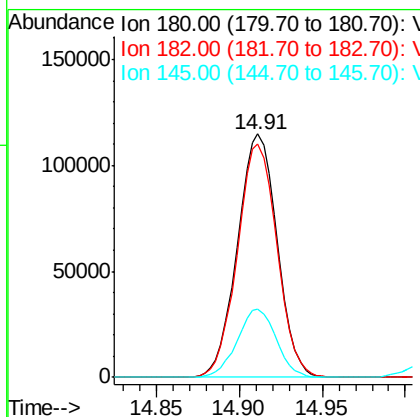
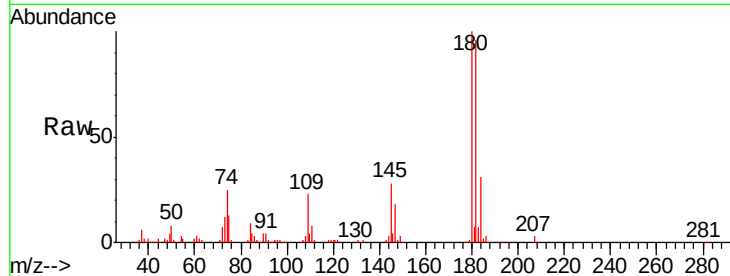
#89
 1,2,4-Trichlorobenzene
 Concen: 18.05 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	190978		
182	95.8	76.6	114.8	
145	27.5	23.6	35.4	

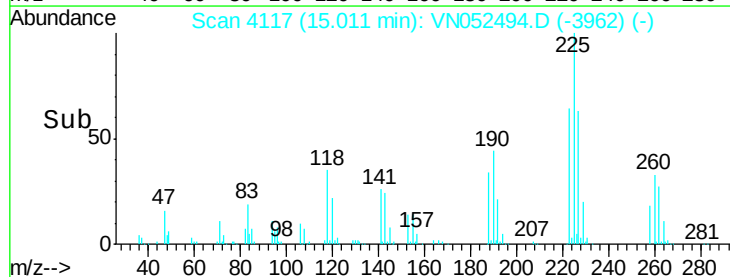
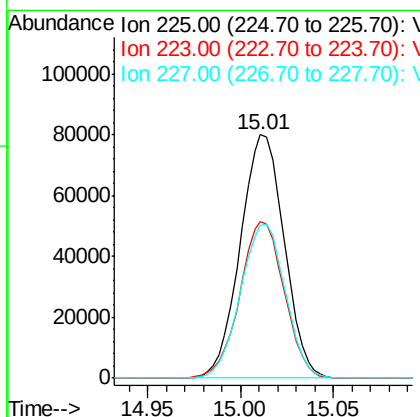
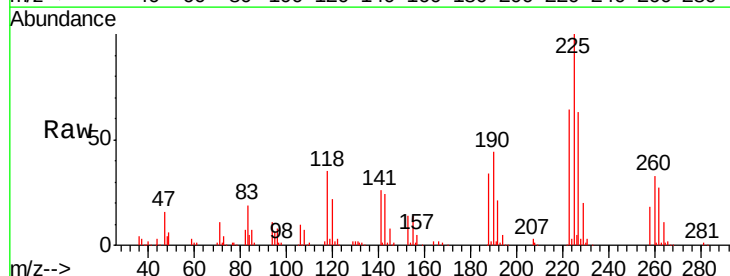
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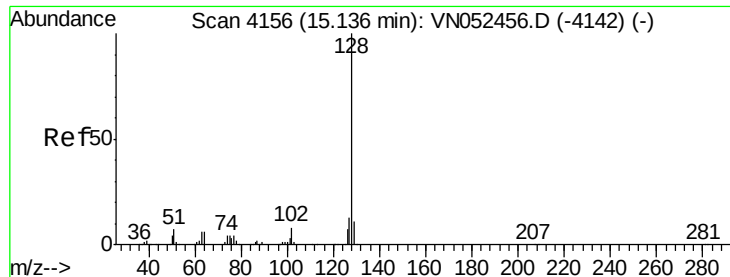
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#90
 Hexachlorobutadiene
 Concen: 18.91 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052494.D
 Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131305		
223	64.7	0.0	125.6	
227	64.4	0.0	127.8	





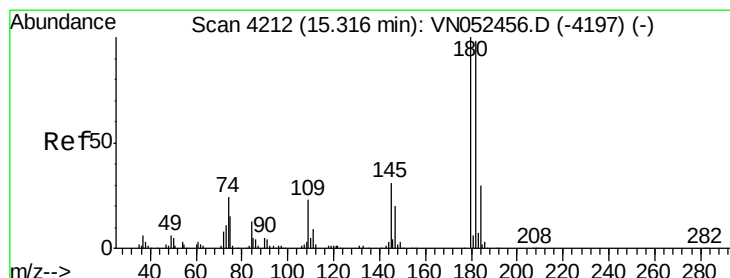
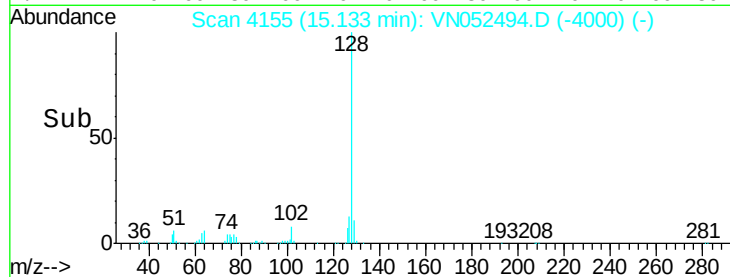
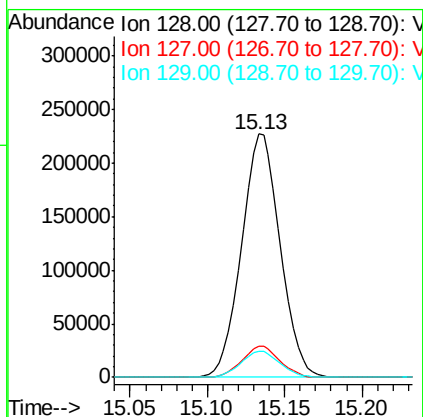
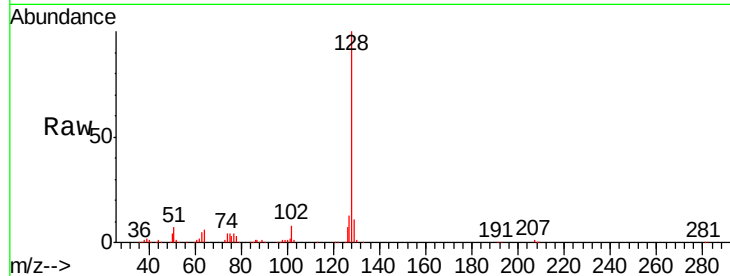
#91
Naphthalene
Concen: 18.43 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBS02

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.5	9.9	14.9
129	10.9	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 18.50 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052494.D
Acq: 27 Nov 2018 22:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.0	0.0	196.2
145	31.3	0.0	62.2

