

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052458.D
 Acq On : 26 Nov 2018 14:13
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:11 PM

Quant Time: Nov 27 00:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:15:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	172573	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1012957	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	909002	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	355050	30.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.63%
60) 4-Bromofluorobenzene	12.40	95	432902	31.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.77%
63) Toluene-d8	10.09	98	1253465	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	993535	101.09	ug/l	100
3) Chloromethane	2.06	50	1329201	101.97	ug/l	99
4) Vinyl Chloride	2.19	62	1350267	102.64	ug/l	98
5) Bromomethane	2.57	94	763698	101.81	ug/l	98
6) Chloroethane	2.71	64	796412	101.80	ug/l	99
7) Trichlorofluoromethane	3.02	101	1633037	100.58	ug/l	99
8) Diethyl Ether	3.41	74	611644	102.02	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1019988	99.10	ug/l	99
10) 1,1-Dichloroethene	3.74	96	994534	102.77	ug/l	99
11) Methyl Iodide	3.96	142	1479980	110.15	ug/l	99
12) Methyl Acetate	4.32	43	833518	101.37	ug/l	99
13) Acrolein	3.61	56	502799	520.56	ug/l	100
14) Acrylonitrile	4.99	53	1797330	513.01	ug/l	98
15) Acetone	3.81	58	431811	475.91	ug/l	96
16) Carbon Disulfide	4.06	76	3139619	102.47	ug/l	100
17) Allyl chloride	4.33	41	1809939	107.24	ug/l	99
18) Methylene Chloride	4.55	84	1122729	100.20	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	1065420	102.30	ug/l	98
20) Diisopropyl ether	5.95	45	3660048	103.20	ug/l	97
21) 1,1-Dichloroethane	5.85	63	2075095	102.65	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	1223307	102.49	ug/l	99
23) tert-Butyl Alcohol	4.78	59	256609	492.36	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	2633439	103.73	ug/l	98
25) Chloroform	7.37	83	1969686	101.00	ug/l	99
26) Cyclohexane	7.65	56	1961192	102.86	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	1590898	102.85	ug/l	100
30) 2-Butanone	6.83	43	2060713	497.85	ug/l	100
31) 2,2-Dichloropropane	6.83	77	1473193	103.45	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1641953	102.01	ug/l	98
33) Carbon Tetrachloride	7.78	117	1449536	102.92	ug/l	99
34) Benzene	8.04	78	4715392	101.39	ug/l #	92
35) Methacrylonitrile	7.17	41	542151	75.89	ug/l	98
36) 1,2-Dichloroethane	8.12	62	1409490	100.01	ug/l	100
37) Trichloroethene	8.84	130	1187763	100.71	ug/l	99
38) Methylcyclohexane	9.08	83	1951439	101.91	ug/l	98
39) 1,2-Dichloropropane	9.12	63	1261245	101.17	ug/l	97
40) Dibromomethane	9.21	93	687552	102.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1520238	102.14	ug/l	99
42) Vinyl Acetate	5.90	43	11777849	525.90	ug/l	99
43) Ethyl Acetate	6.93	43	902910	49.04	ug/l #	67
44) Isopropyl Acetate	8.16	43	1618568	104.85	ug/l #	79
45) 1,4-Dioxane	9.20	88	166156	1967.58	ug/l	95
46) Methyl methacrylate	9.20	41	852160	106.32	ug/l	99
47) n-amyl Acetate	12.07	43	1439207	112.45	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	1560121	108.10	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	1856137	105.56	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	972506	101.84	ug/l	99
51) Ethyl methacrylate	10.43	69	1292156	107.74	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1736786	102.18	ug/l	99
53) Dibromochloromethane	10.90	129	1098805	104.51	ug/l	98
54) 1,2-Dibromoethane	11.01	107	975295	104.52	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3751795	534.40	ug/l	100
56) Bromoform	12.13	173	731217	106.40	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	4494646	510.03	ug/l	99
59) 2-Hexanone	10.75	43	3078987	511.46	ug/l	99
61) Tetrachloroethene	10.63	164	1106312	98.82	ug/l	99
62) Toluene	10.16	91	5040062	100.58	ug/l	99
64) Chlorobenzene	11.44	112	3122729	102.10	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1092460	102.90	ug/l	99
66) Ethyl Benzene	11.51	91	5596140	103.62	ug/l	99
67) m/p-Xylenes	11.62	106	4159865	206.74	ug/l	100
68) o-Xylene	11.95	106	2018676	103.37	ug/l	99
69) Styrene	11.97	104	3346597	106.17	ug/l	100
70) Isopropylbenzene	12.25	105	5409942	104.12	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	1156142	102.28	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	1010616m	107.07	ug/l	
73) Bromobenzene	12.53	156	1325194	105.45	ug/l	98
74) n-propylbenzene	12.59	91	6350877	104.90	ug/l	99
75) 2-Chlorotoluene	12.68	91	3650058	103.87	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	4342623	103.47	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	339442	110.74	ug/l	95
78) 4-Chlorotoluene	12.77	91	3706881	105.63	ug/l	100
79) tert-butylbenzene	12.99	119	3815274	104.38	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	4416058	105.16	ug/l	100
81) sec-Butylbenzene	13.17	105	5312927	104.36	ug/l	100
82) p-Isopropyltoluene	13.29	119	4592538	105.94	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2356702	106.63	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2303577	107.87	ug/l	99
85) n-Butylbenzene	13.62	91	4055236	108.90	ug/l	99
86) Hexachloroethane	13.88	117	782363	106.51	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	2208415	105.00	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	171400	108.26	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	1207062	116.48	ug/l	100
90) Hexachlorobutadiene	15.01	225	685624	100.86	ug/l	100
91) Naphthalene	15.14	128	2440448	116.62	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1076288	112.70	ug/l	98

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ClientSampleId :
VSTDICC100

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
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QLast Update : Tue Nov 27 00:15:57 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

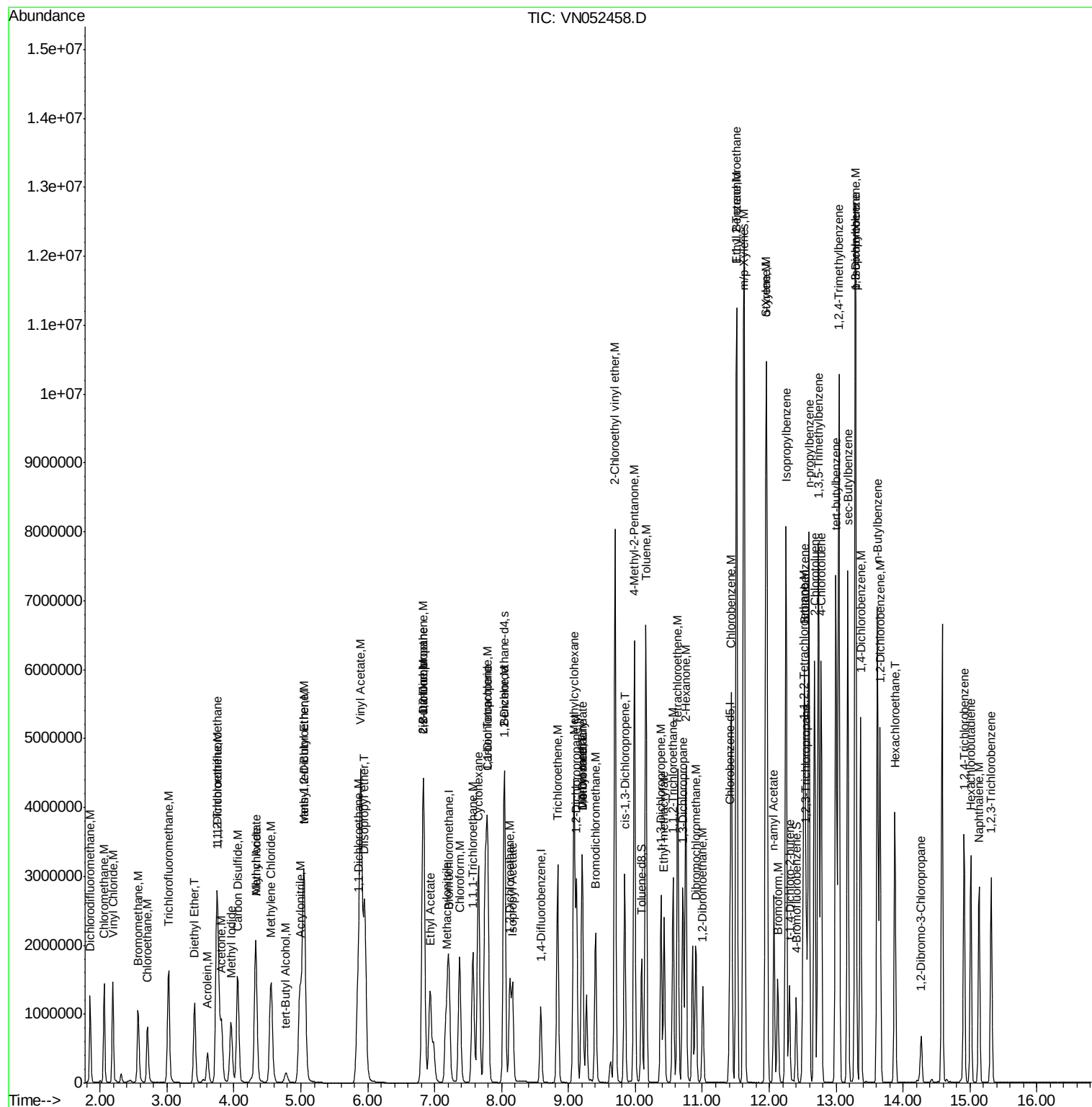
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Data File : VN052458.D
Acq On : 26 Nov 2018 14:13
Operator : MD\SY
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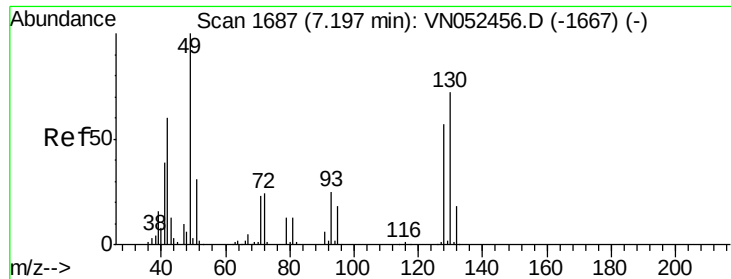
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

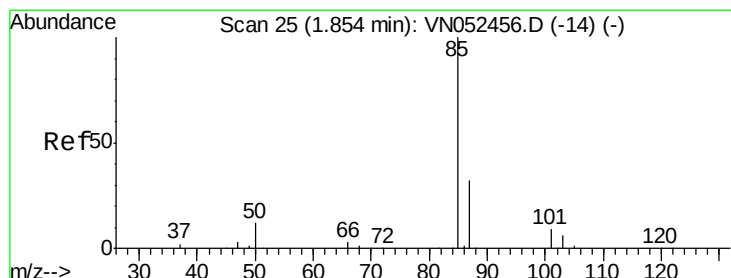
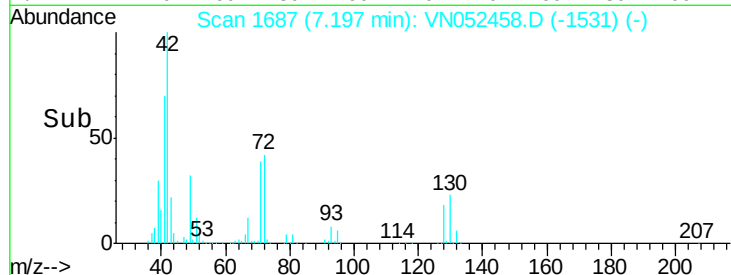
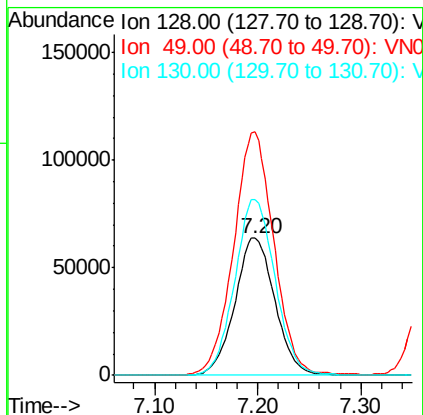
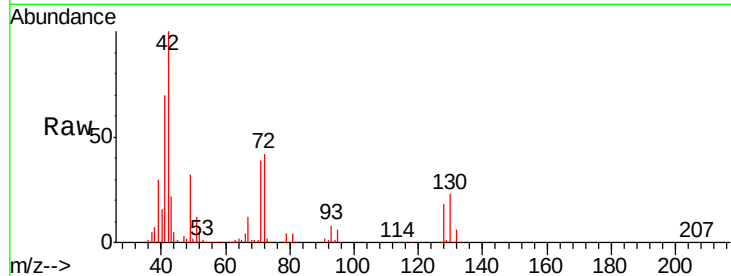
ClientSampleId :

VSTDIC100

Tgt Ion:	128	Resp:	172573
Ion	Ratio	Lower	Upper
128	100		
49	178.1	0.0	431.8
130	129.2	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 101.09 ug/l

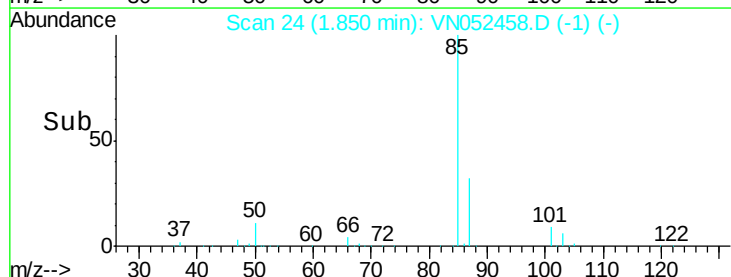
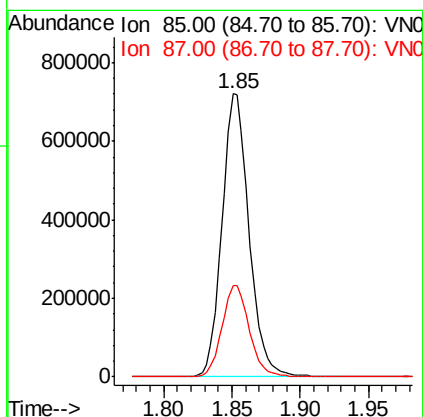
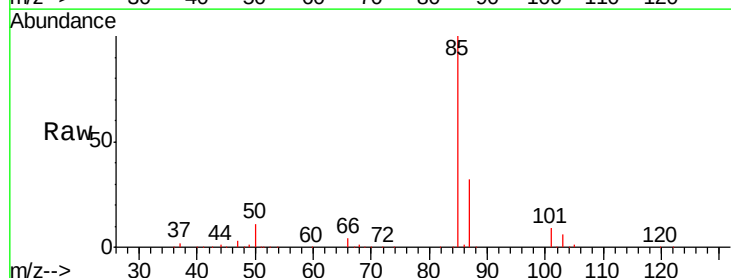
RT: 1.85 min Scan# 24

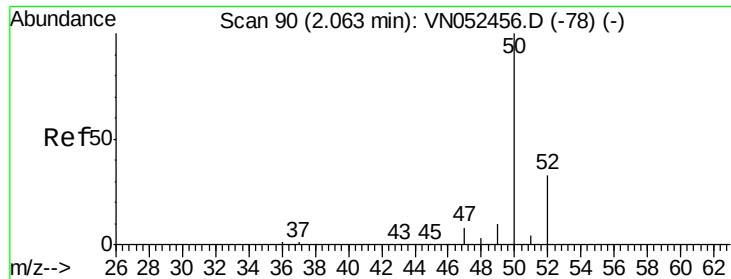
Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Tgt Ion:	85	Resp:	993535
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.3





#3

Chloromethane

Concen: 101.97 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 1329201

Ion Ratio Lower Upper

50 100

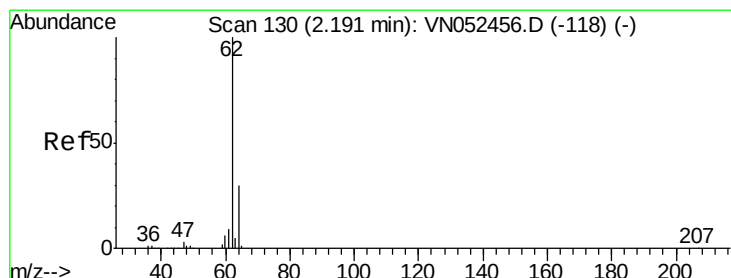
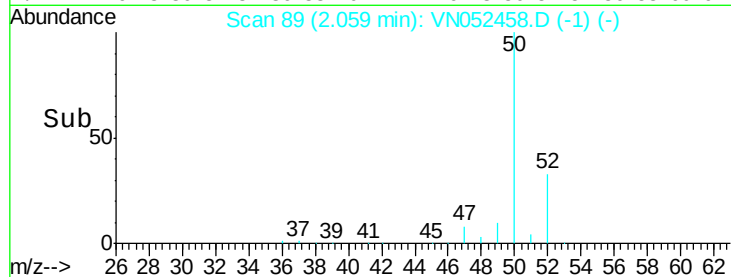
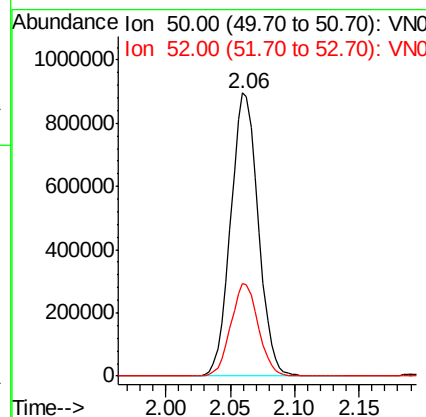
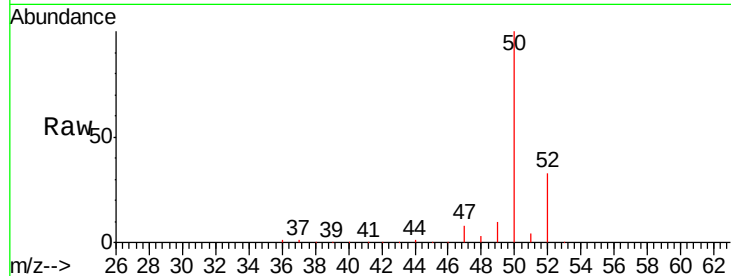
52 32.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 102.64 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052458.D

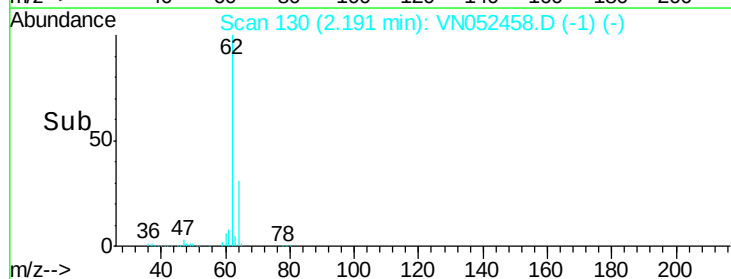
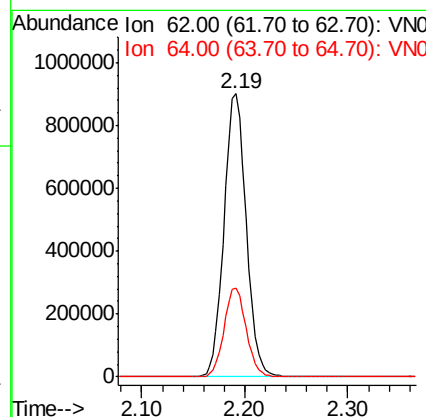
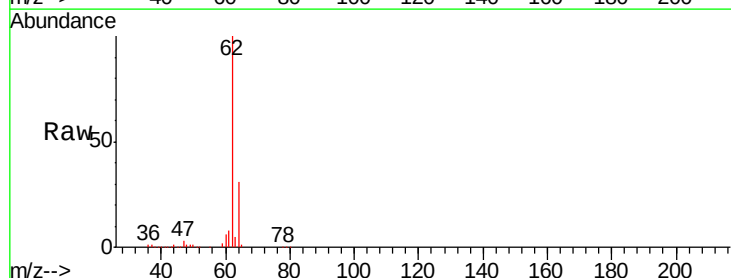
Acq: 26 Nov 2018 14:13

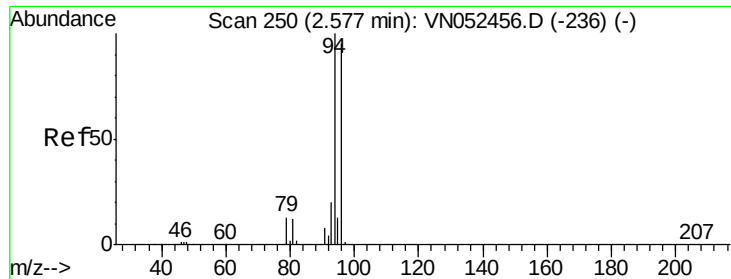
Tgt Ion: 62 Resp: 1350267

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 101.81 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 763698

Ion Ratio Lower Upper

94 100

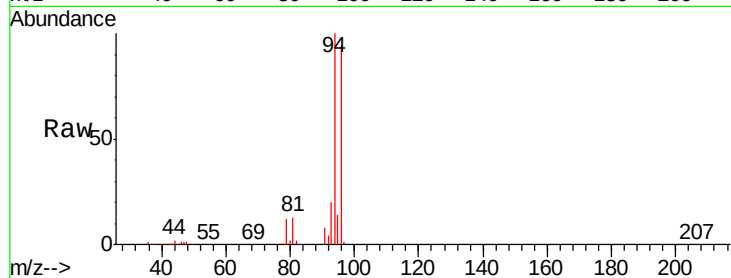
96 93.7 76.2 114.2

Manual Integrations

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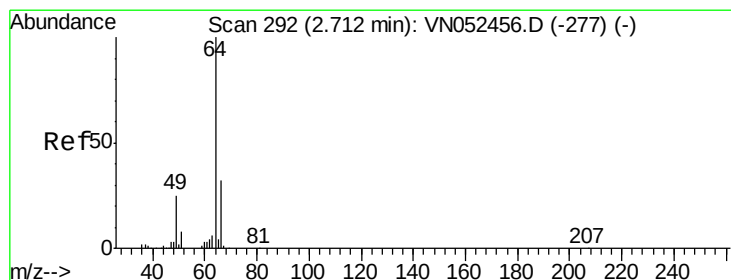
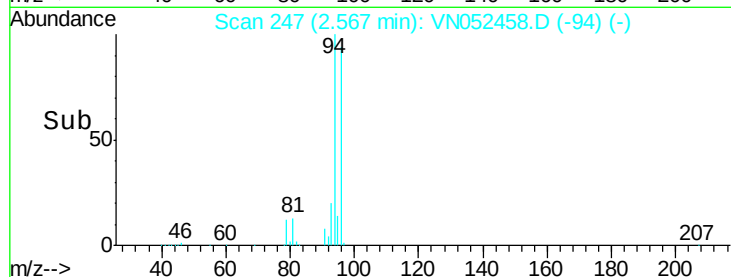
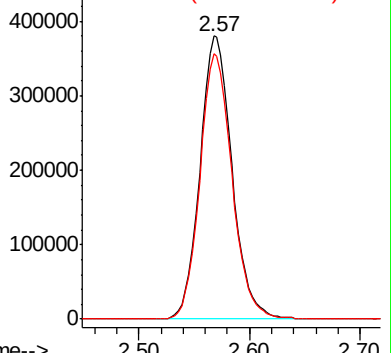
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 101.80 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052458.D

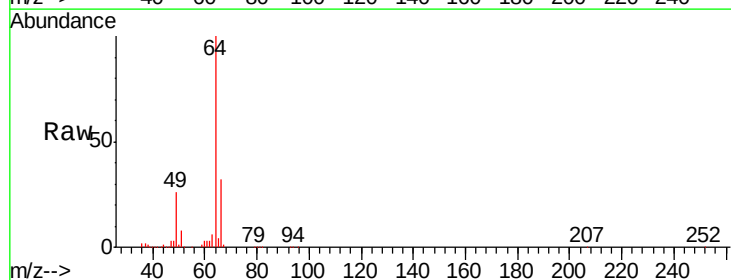
Acq: 26 Nov 2018 14:13

Tgt Ion: 64 Resp: 796412

Ion Ratio Lower Upper

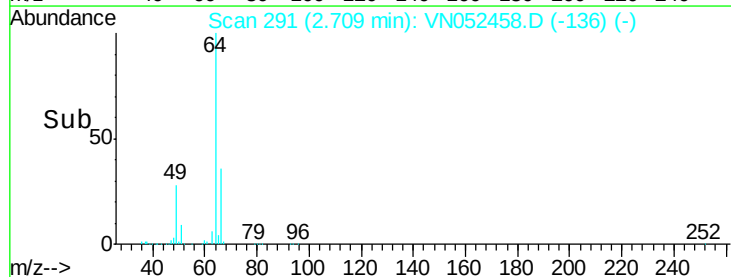
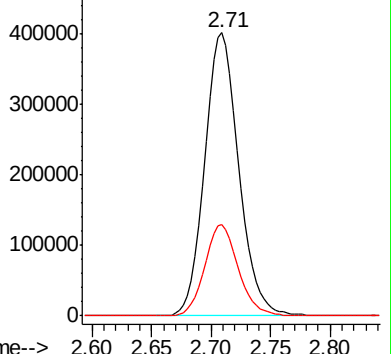
64 100

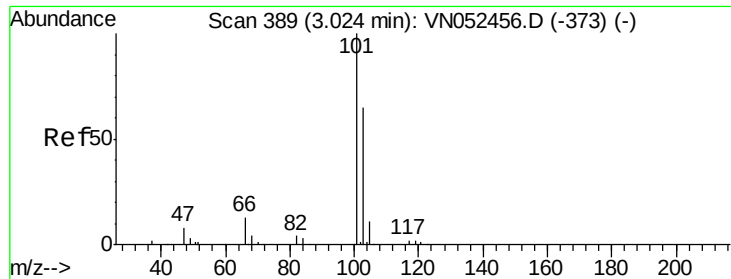
66 32.4 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

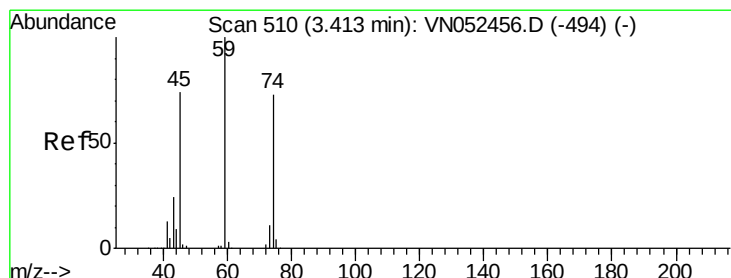
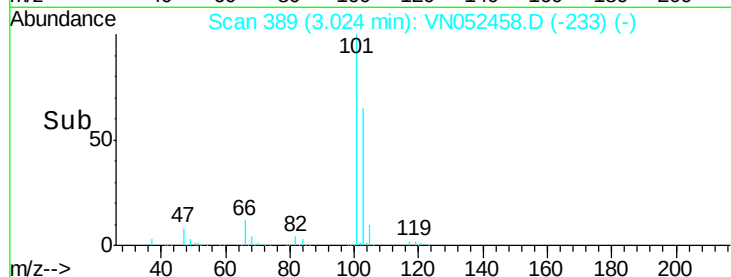
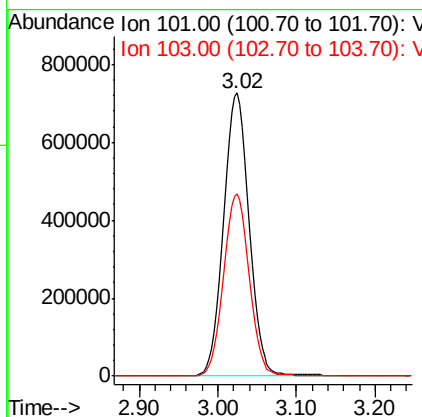
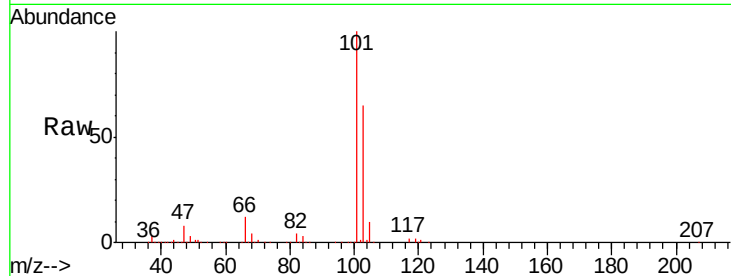
Trichlorofluoromethane
Concen: 100.58 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

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MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:101 Resp: 1633037
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

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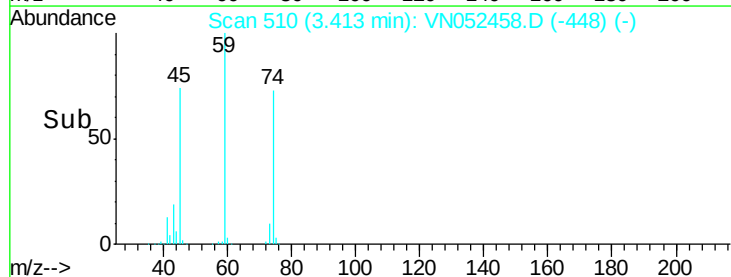
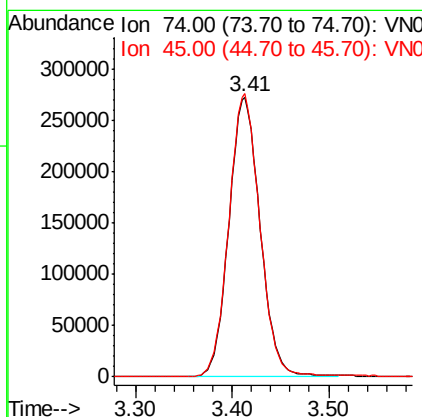
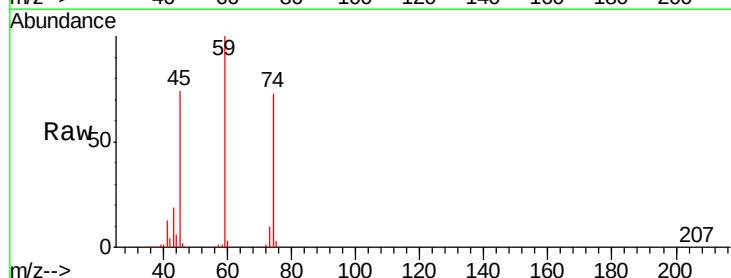
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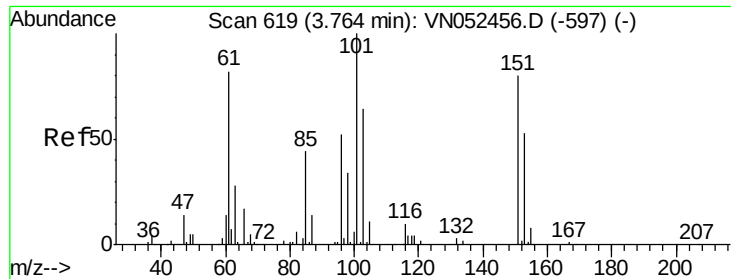


#8

Diethyl Ether
Concen: 102.02 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion: 74 Resp: 611644
Ion Ratio Lower Upper
74 100
45 100.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.10 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 101 Resp: 1019988

Ion Ratio Lower Upper

101 100

85 42.3 0.0 82.6

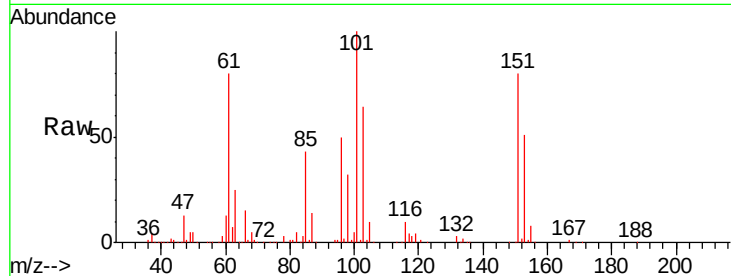
151 79.8 0.0 158.4

Manual Integrations

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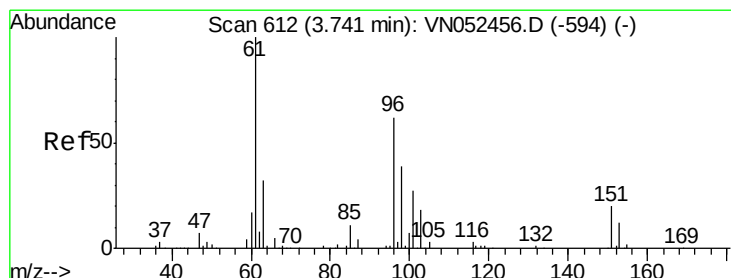
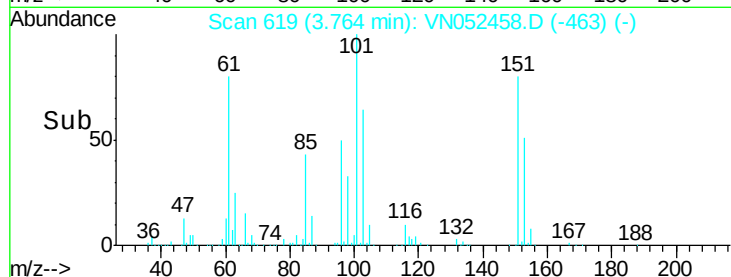
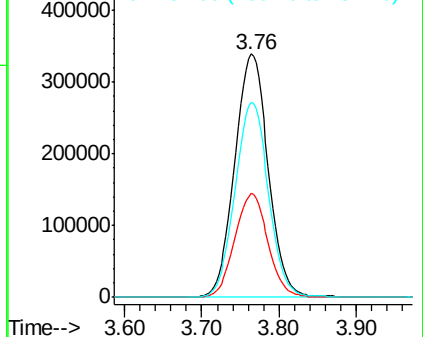
11/27/2018 3:52:11 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 102.77 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

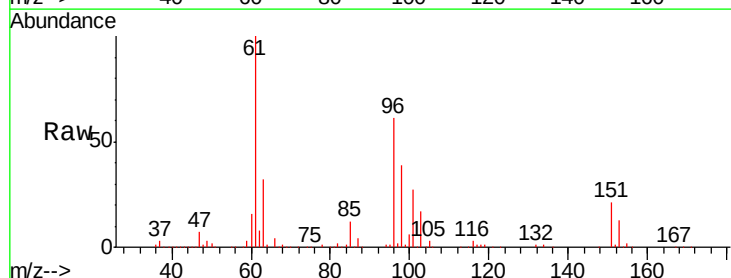
Tgt Ion: 96 Resp: 994534

Ion Ratio Lower Upper

96 100

61 163.8 129.4 194.2

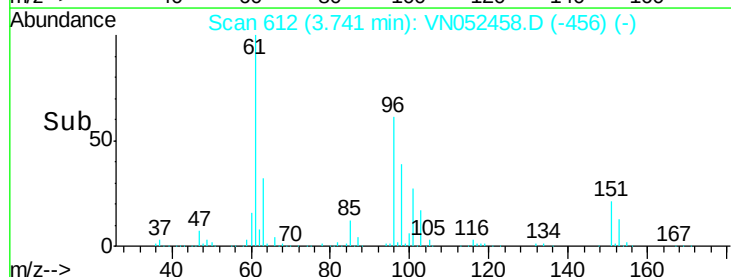
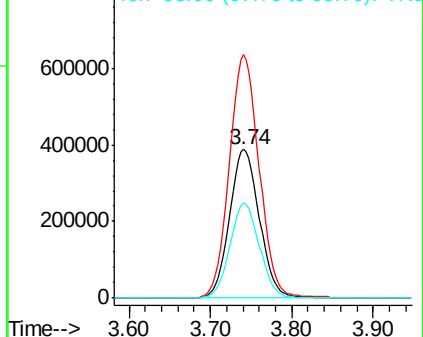
98 64.1 50.4 75.6

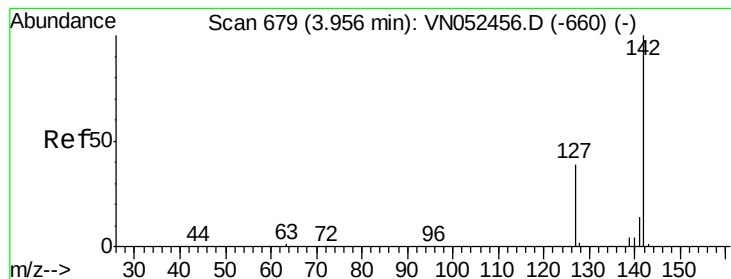


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





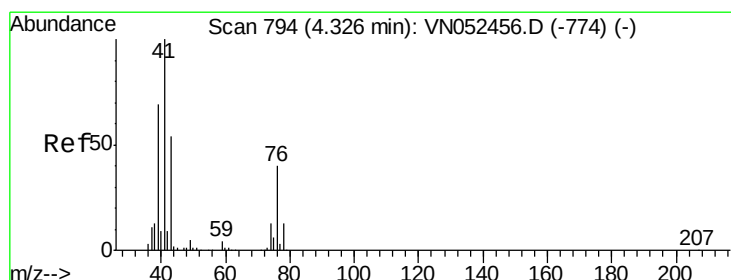
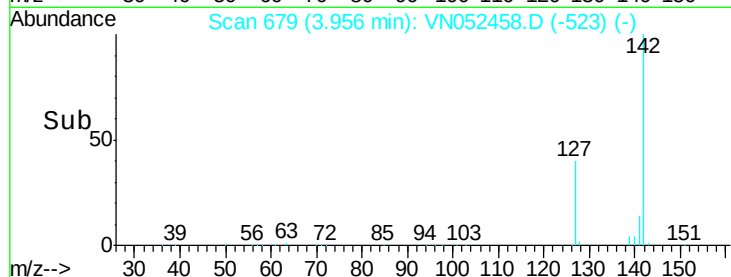
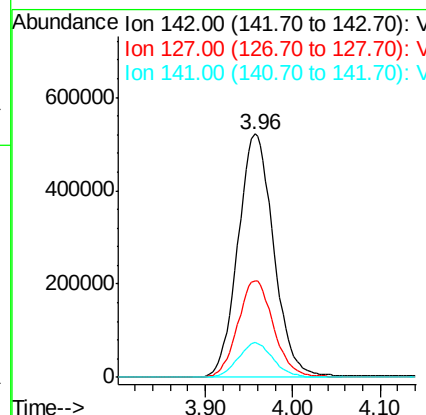
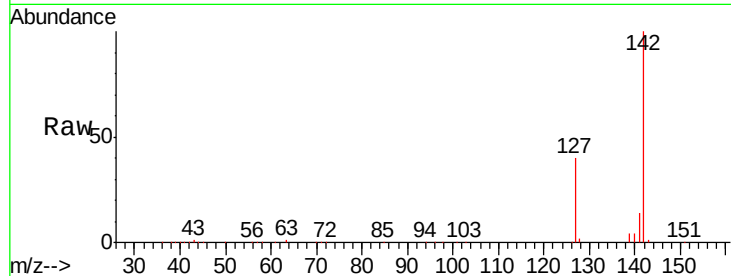
#11
Methyl Iodide
Concen: 110.15 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 142 Resp: 1479980
Ion Ratio Lower Upper
142 100
127 39.8 19.4 58.1
141 14.2 7.2 21.6

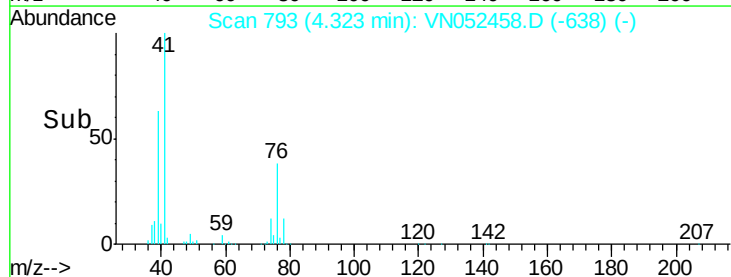
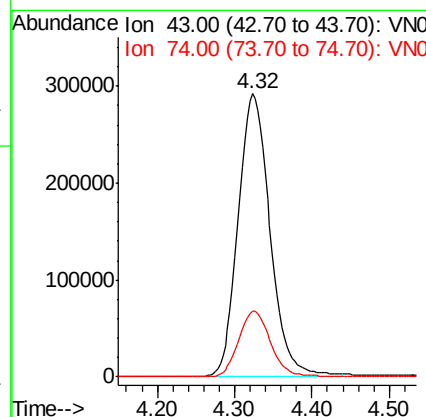
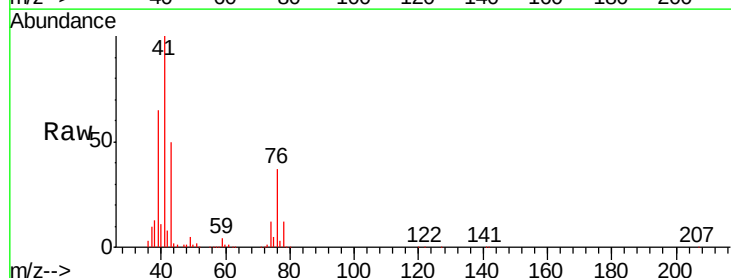
Manual Integrations
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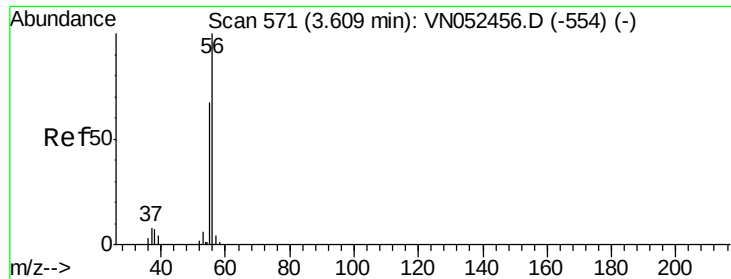
MMDadoda
11/27/2018 3:52:11 PM



#12
Methyl Acetate
Concen: 101.37 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion: 43 Resp: 833518
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3





#13

Acrolein

Concen: 520.56 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 502799

Ion Ratio Lower Upper

56 100

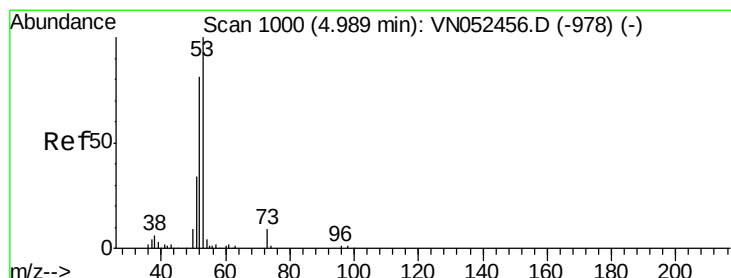
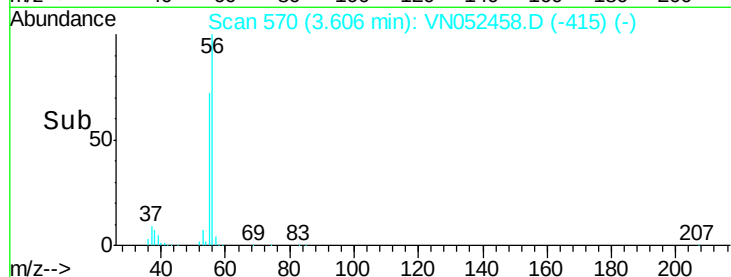
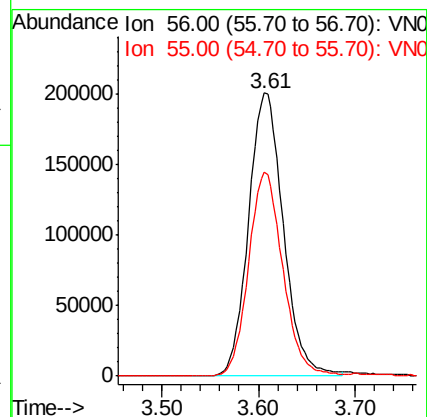
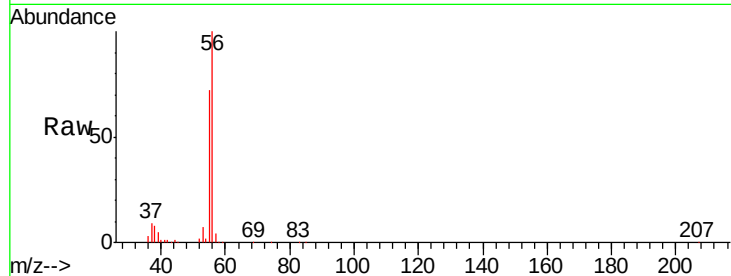
55 70.5 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 513.01 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

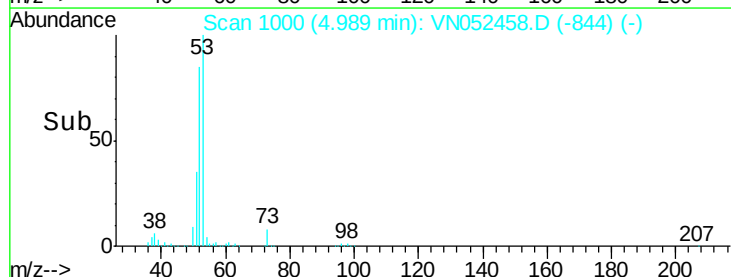
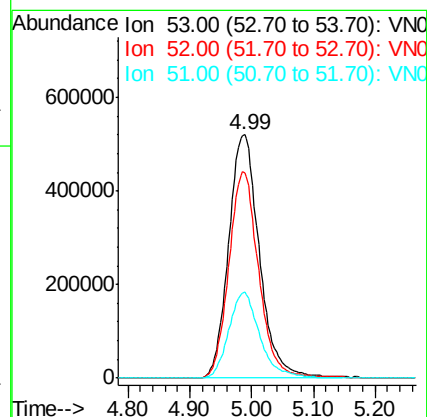
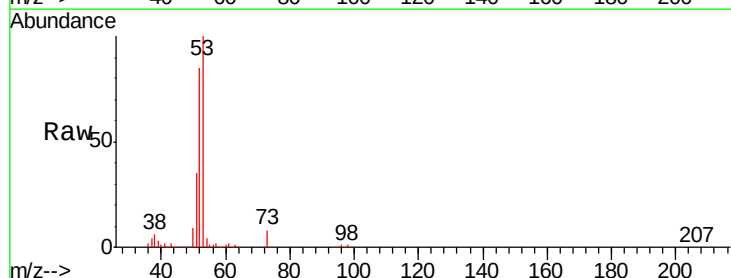
Tgt Ion: 53 Resp: 1797330

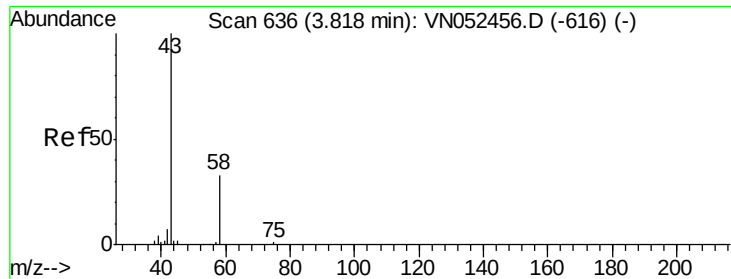
Ion Ratio Lower Upper

53 100

52 82.1 39.9 119.7

51 35.6 17.6 52.9





#15

Acetone

Concen: 475.91 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 58 Resp: 431811

Ion Ratio Lower Upper

58 100

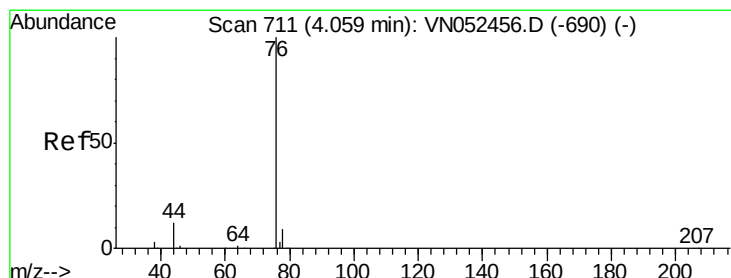
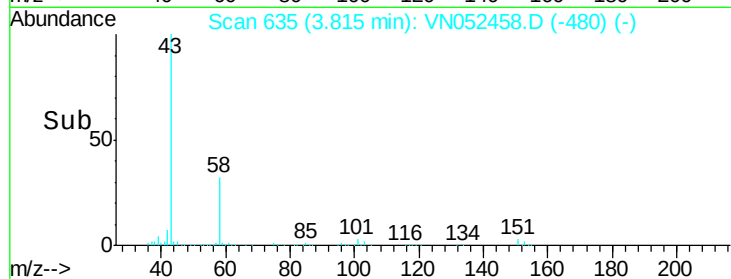
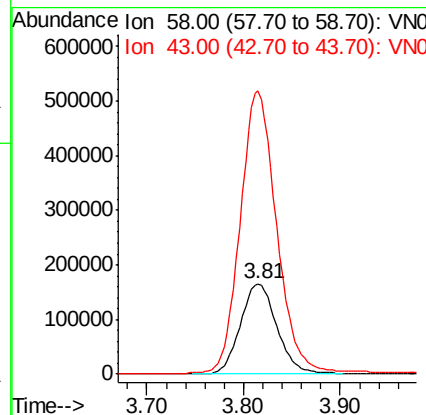
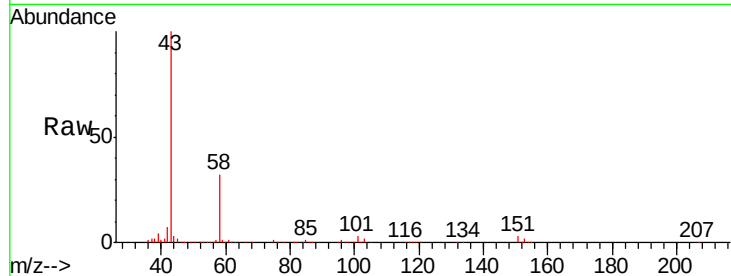
43 313.3 243.6 365.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 102.47 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052458.D

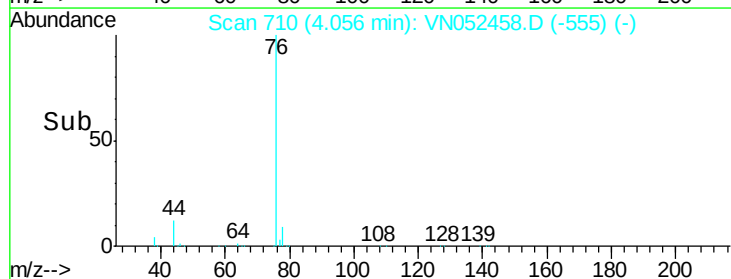
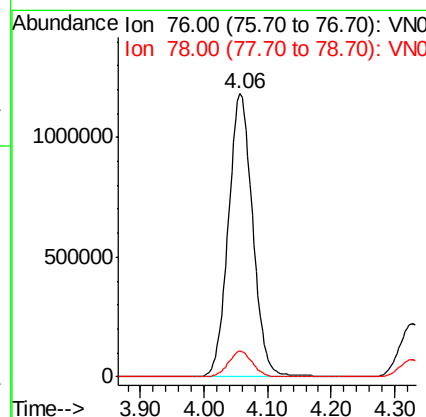
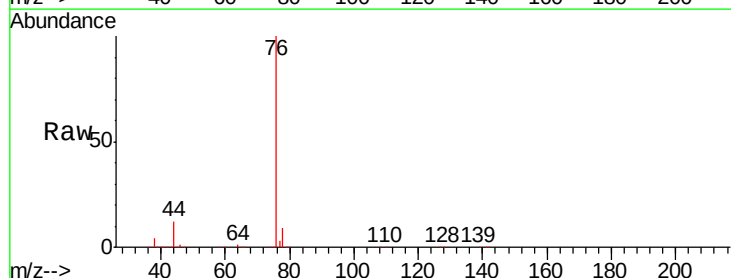
Acq: 26 Nov 2018 14:13

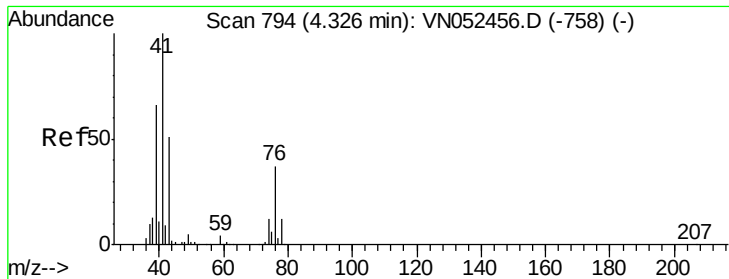
Tgt Ion: 76 Resp: 3139619

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allyl chloride

Concen: 107.24 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 1809939

Ion Ratio Lower Upper

41 100

39 64.8 32.8 98.3

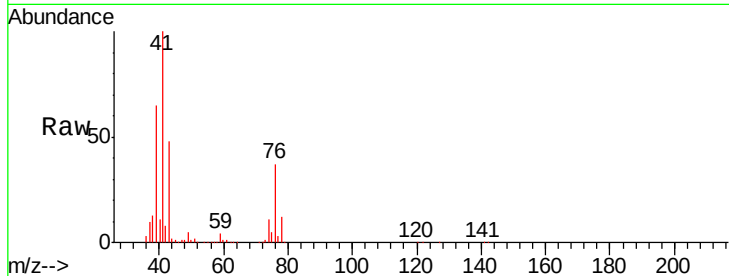
76 36.9 18.6 55.8

Manual Integrations

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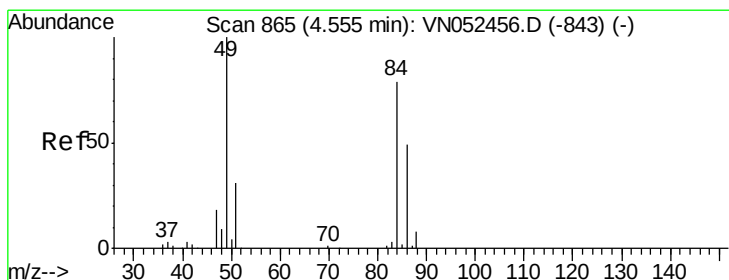
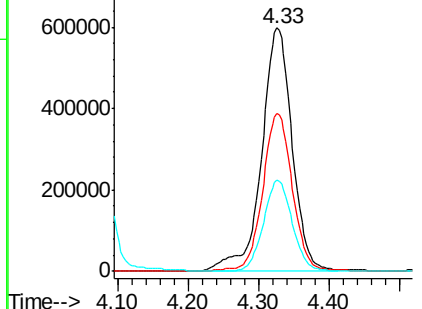
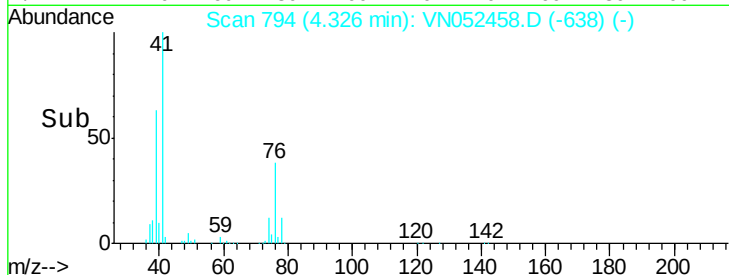
11/27/2018 3:52:11 PM



Abundance Ion 41.00 (40.70 to 41.70): VN052458.D (-638) (-)

Ion 39.00 (38.70 to 39.70): VN052458.D (-638) (-)

Ion 76.00 (75.70 to 76.70): VN052458.D (-638) (-)



#18

Methylene Chloride

Concen: 100.20 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Tgt Ion: 84 Resp: 1122729

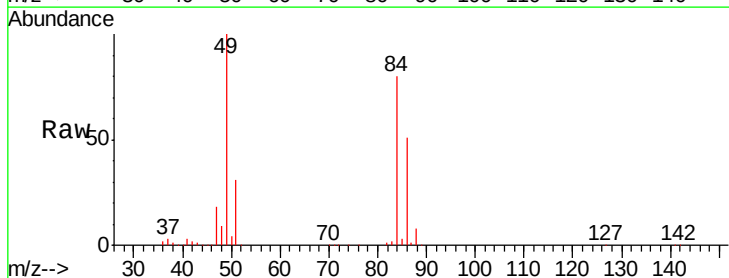
Ion Ratio Lower Upper

84 100

49 125.6 101.4 152.0

51 38.9 31.7 47.5

86 63.9 50.1 75.1

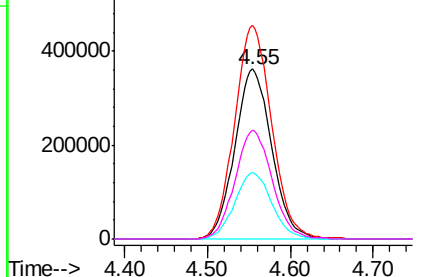
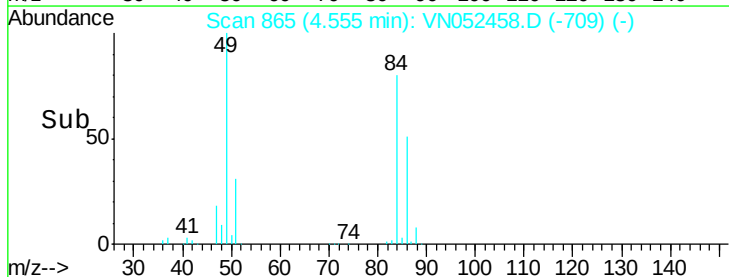


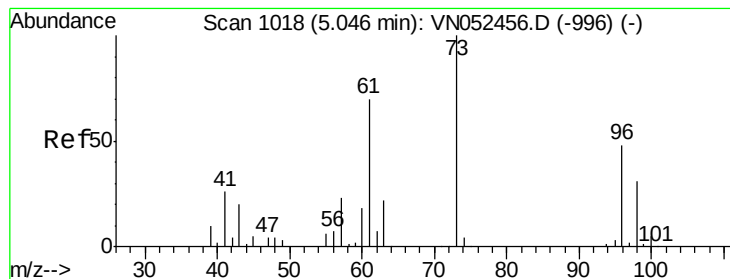
Abundance Ion 84.00 (83.70 to 84.70): VN052458.D (-709) (-)

Ion 49.00 (48.70 to 49.70): VN052458.D (-709) (-)

Ion 51.00 (50.70 to 51.70): VN052458.D (-709) (-)

Ion 86.00 (85.70 to 86.70): VN052458.D (-709) (-)





#19

trans-1,2-Dichloroethene

Concen: 102.30 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 1065420

Ion Ratio Lower Upper

96 100

61 144.8 118.2 177.4

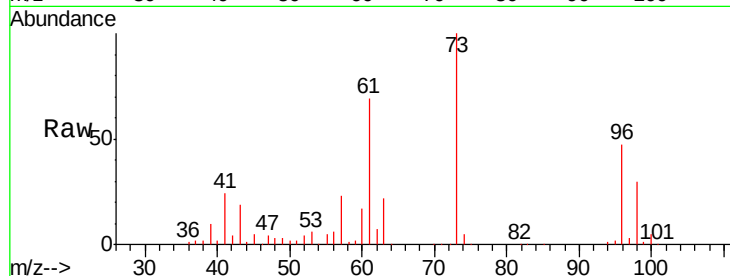
98 64.4 51.4 77.2

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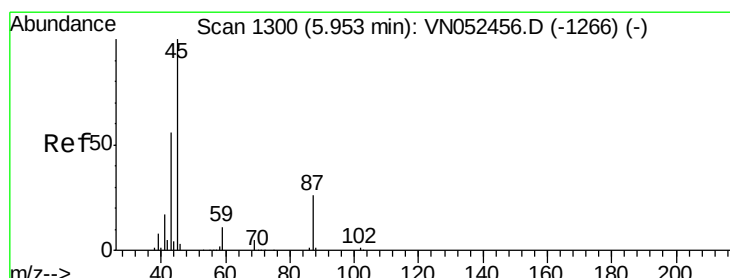
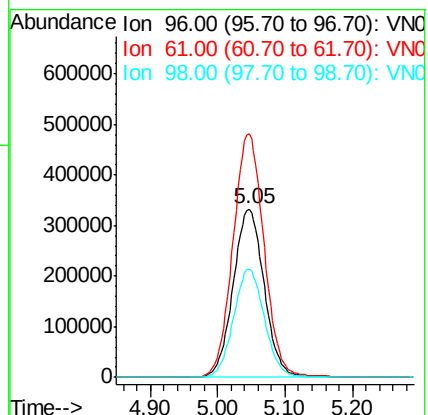
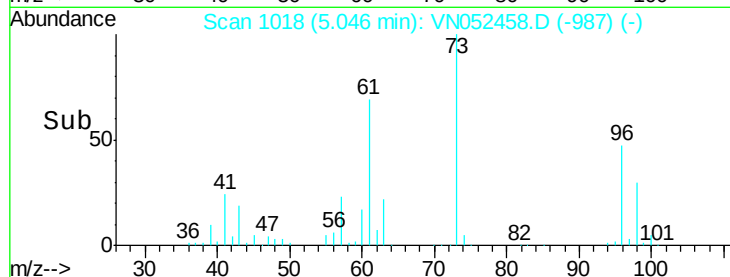


Abundance Ion 96.00 (95.70 to 96.70): VN052458.D (-1018) (-)

Ion 61.00 (60.70 to 61.70): VN052458.D (-1018) (-)

Ion 98.00 (97.70 to 98.70): VN052458.D (-1018) (-)

Time-->



#20

Diisopropyl ether

Concen: 103.20 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Tgt Ion: 45 Resp: 3660048

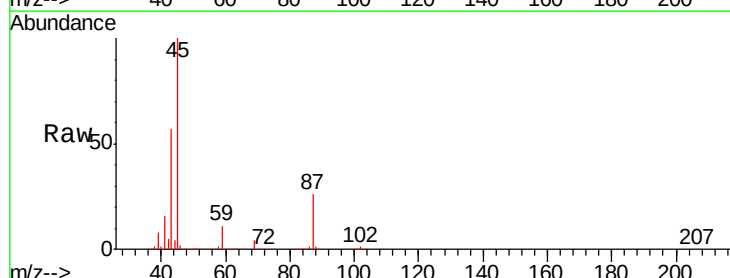
Ion Ratio Lower Upper

45 100

43 56.6 47.8 71.8

87 26.1 21.3 31.9

59 11.4 8.9 13.3



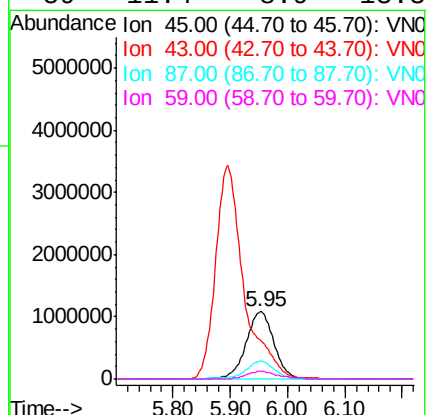
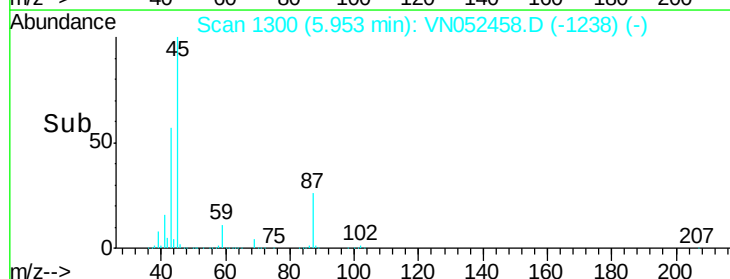
Abundance Ion 45.00 (44.70 to 45.70): VN052458.D (-1300) (-)

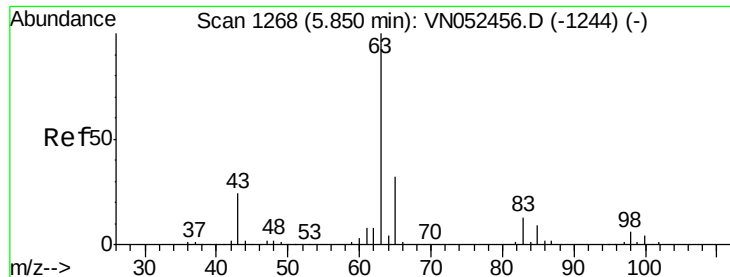
Ion 43.00 (42.70 to 43.70): VN052458.D (-1300) (-)

Ion 87.00 (86.70 to 87.70): VN052458.D (-1300) (-)

Ion 59.00 (58.70 to 59.70): VN052458.D (-1300) (-)

Time-->





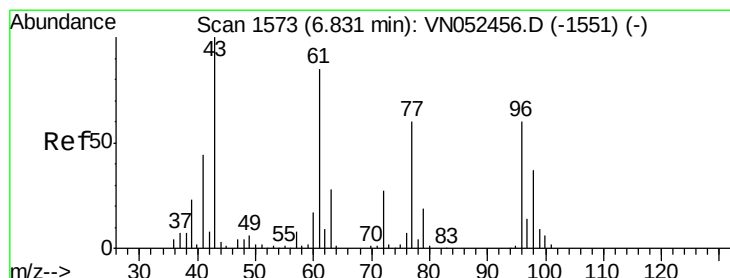
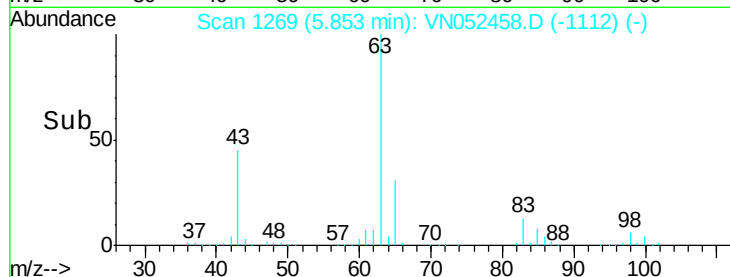
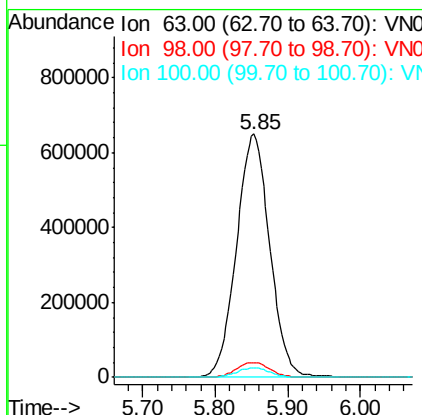
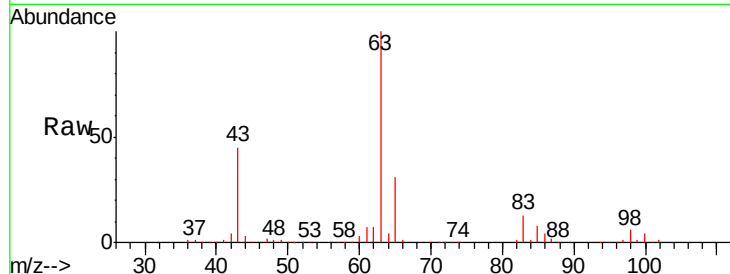
#21
 1,1-Dichloroethane
 Concen: 102.65 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 2075095
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.9 1.8 5.5

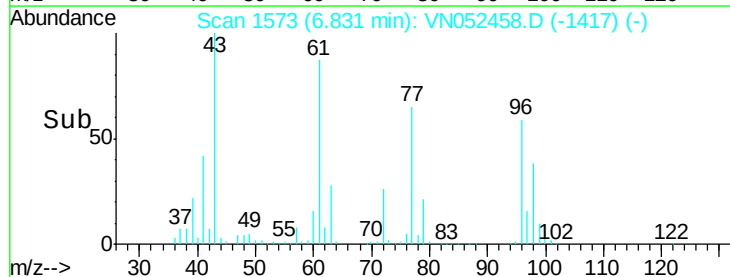
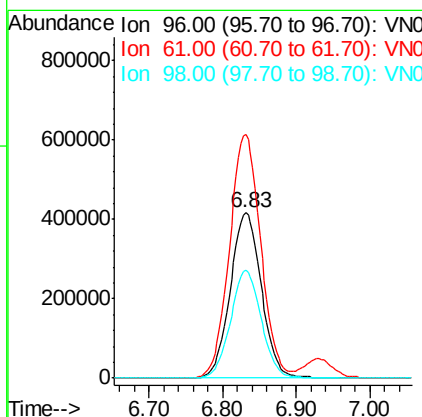
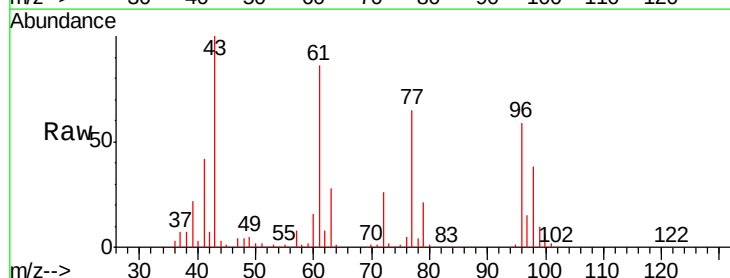
Manual Integrations
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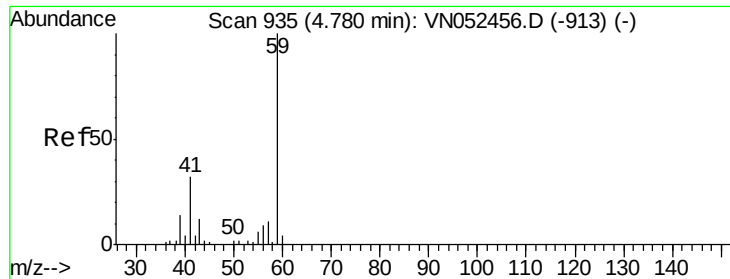
MMDadoda
 11/27/2018 3:52:11 PM



#22
 cis-1,2-Dichloroethene
 Concen: 102.49 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion: 96 Resp: 1223307
 Ion Ratio Lower Upper
 96 100
 61 147.7 116.7 175.1
 98 64.5 50.8 76.2





#23

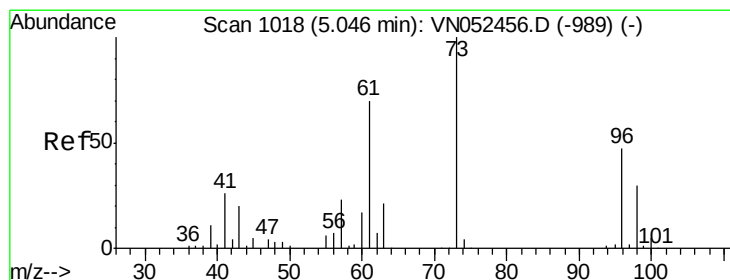
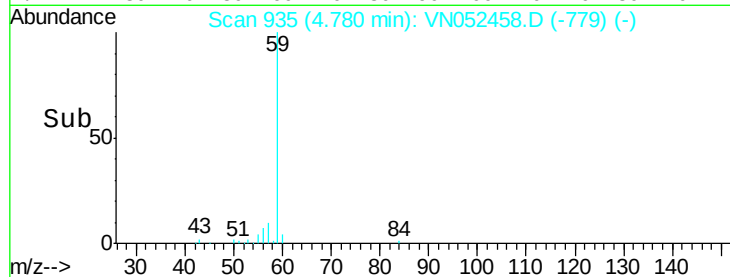
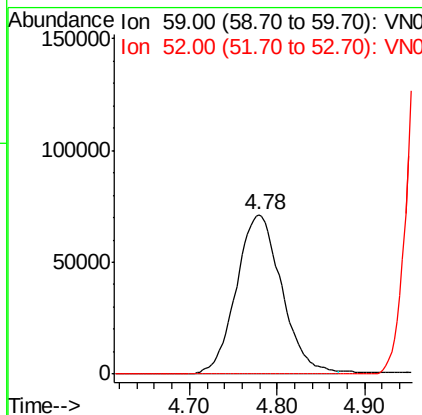
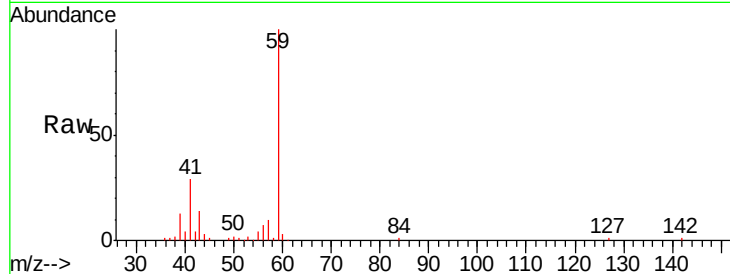
tert-Butyl Alcohol
 Concen: 492.36 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 59 Resp: 256609
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#

Manual Integrations
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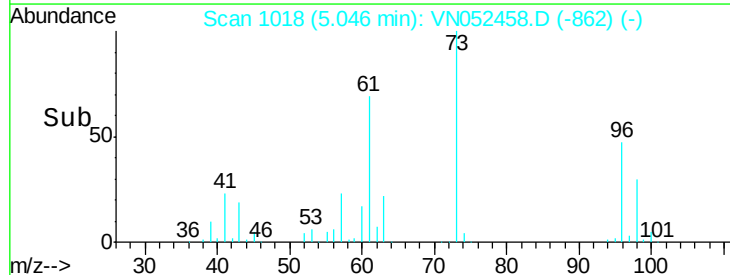
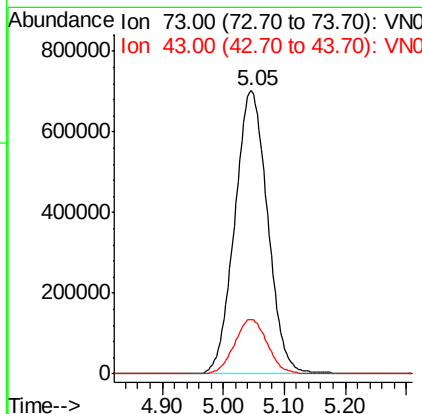
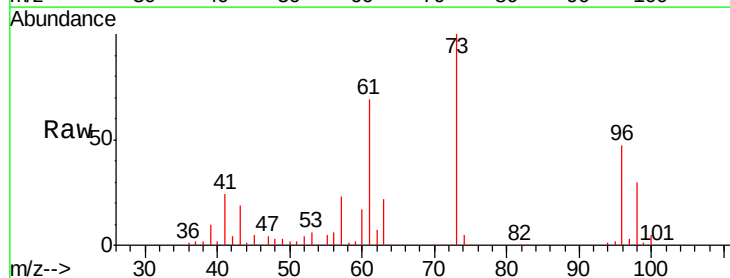
MMDadoda
 11/27/2018 3:52:11 PM

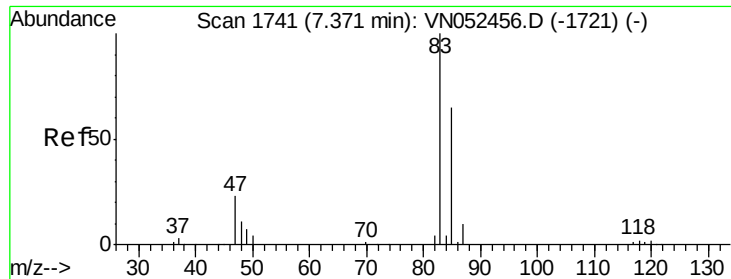


#24

Methyl tert-Butyl Ether
 Concen: 103.73 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion: 73 Resp: 2633439
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.8 23.8





#25

Chloroform

Concen: 101.00 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 1969686

Ion Ratio Lower Upper

83 100

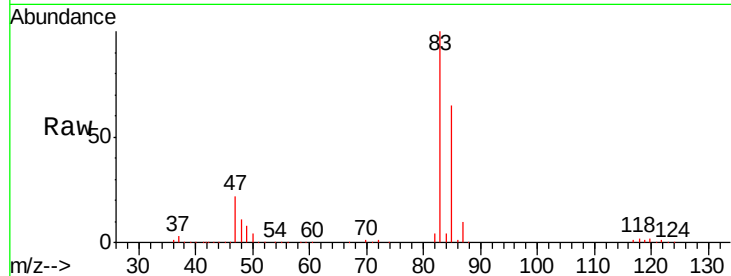
85 65.4 51.7 77.5

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

800000

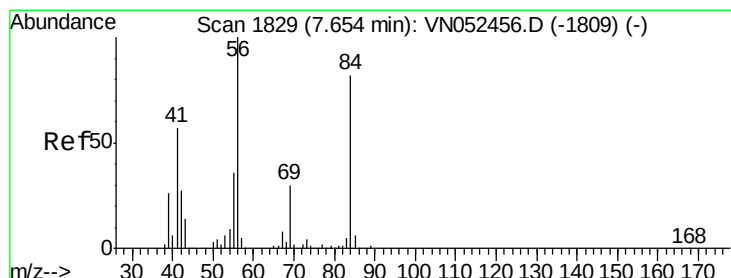
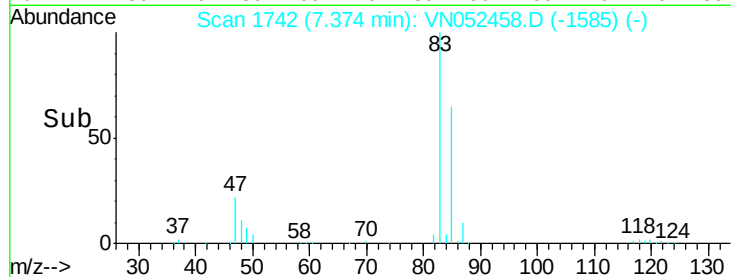
600000

400000

200000

0

Time-->



#26

Cyclohexane

Concen: 102.86 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

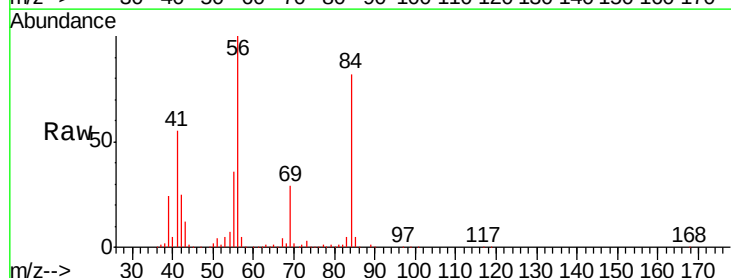
Tgt Ion: 56 Resp: 1961192

Ion Ratio Lower Upper

56 100

89 0.7 0.5 0.7#

84 82.1 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

1200000

1000000

800000

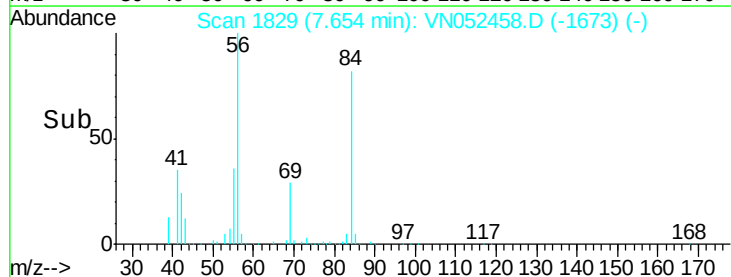
600000

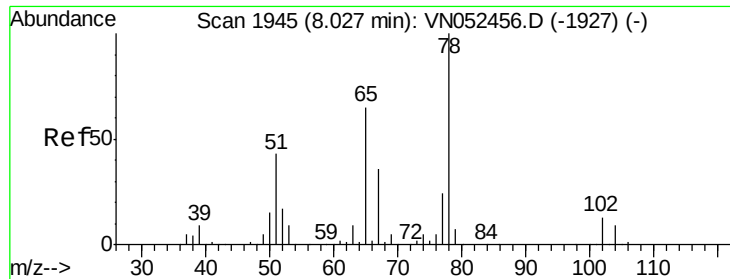
400000

200000

0

Time-->





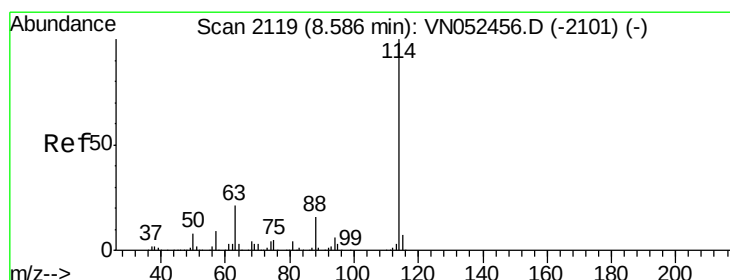
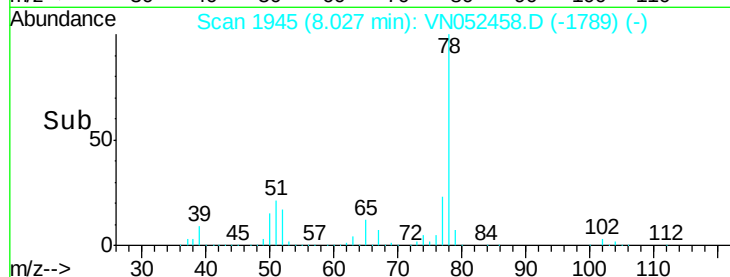
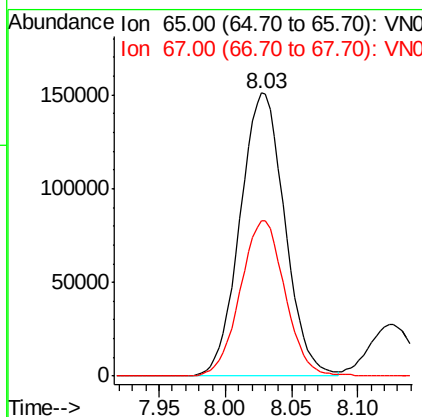
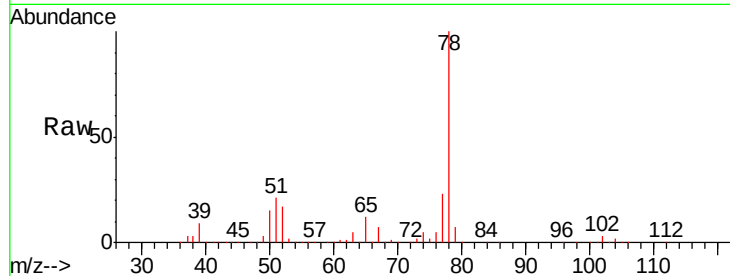
#27
 1,2-Dichloroethane-d4
 Concen: 102.86 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 355050
 Ion Ratio Lower Upper
 65 100
 67 54.9 44.6 66.8

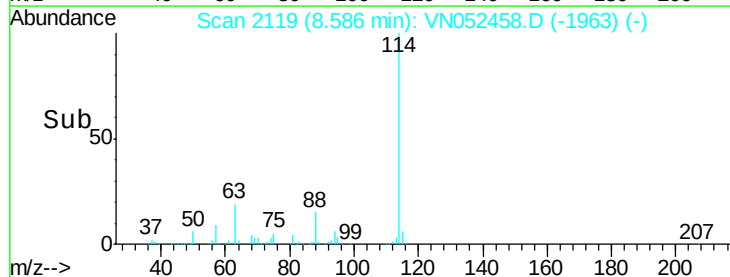
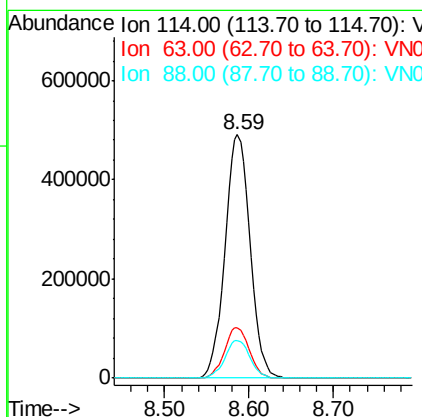
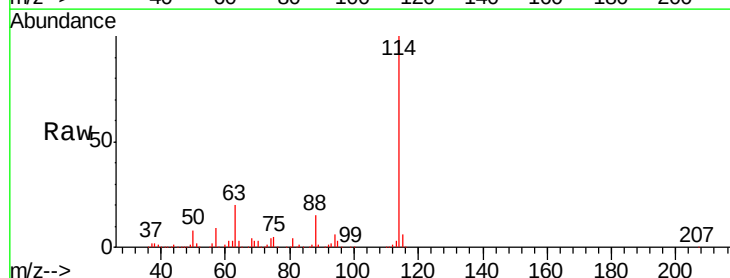
Manual Integrations
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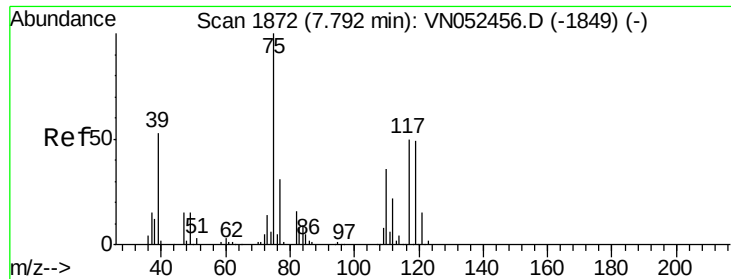
MMDadoda
 11/27/2018 3:52:11 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion: 114 Resp: 1012957
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.9 25.3
 88 15.6 12.8 19.2





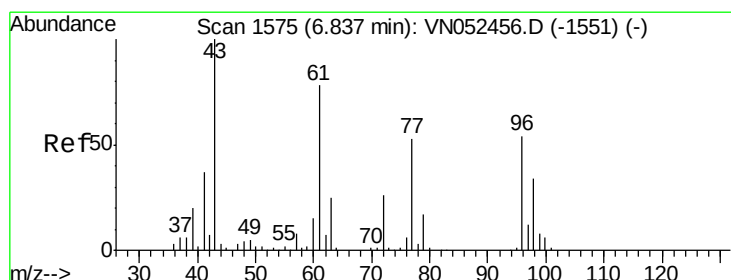
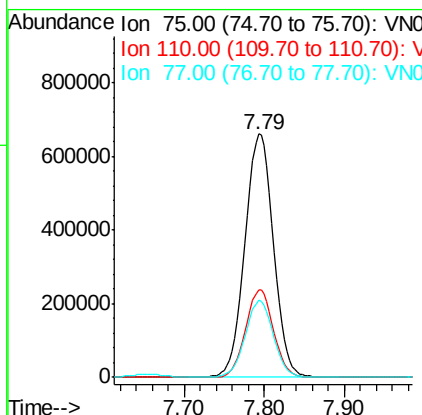
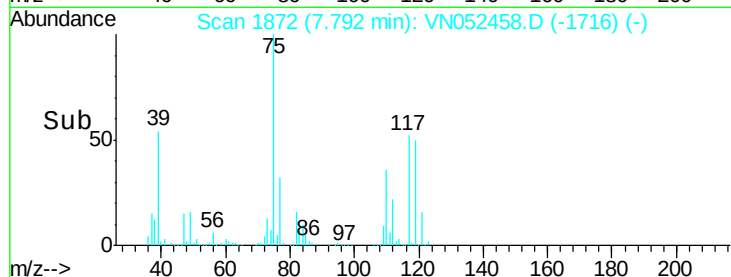
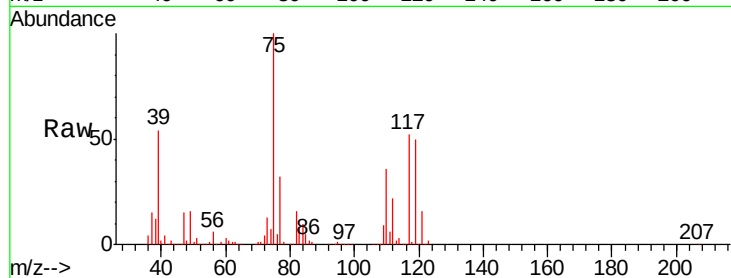
#29
 1,1-Dichloropropene
 Concen: 102.85 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 75 Resp: 1590898
 Ion Ratio Lower Upper
 75 100
 110 35.1 0.0 70.2
 77 31.0 0.0 62.6

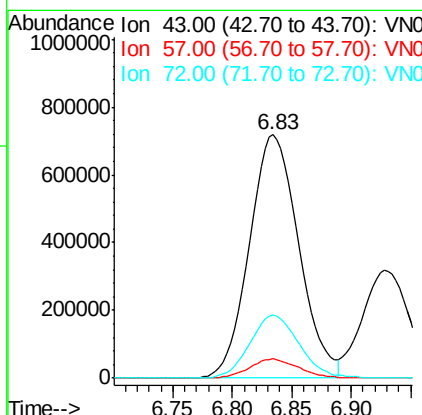
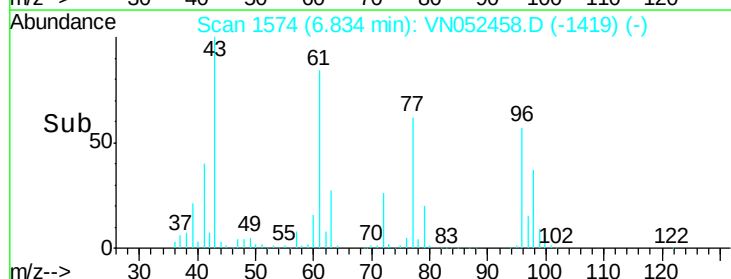
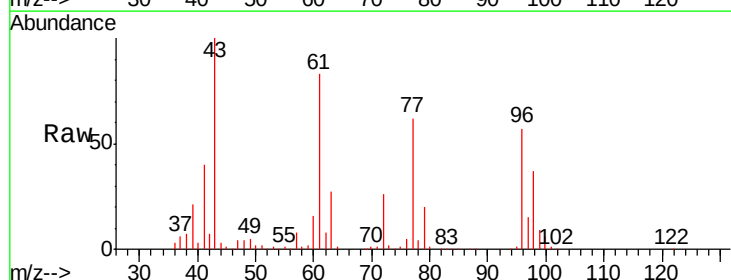
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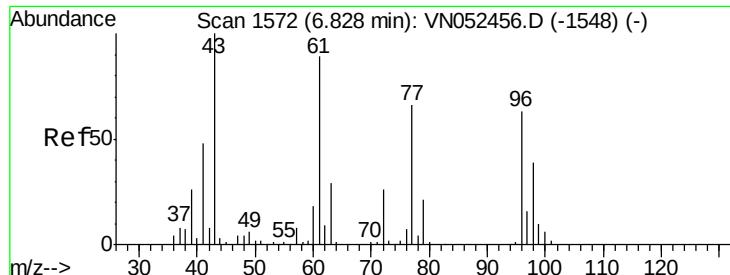
MMDadoda
 11/27/2018 3:52:11 PM



#30
 2-Butanone
 Concen: 497.85 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion: 43 Resp: 2060713
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.2 9.4
 72 26.1 21.0 31.6





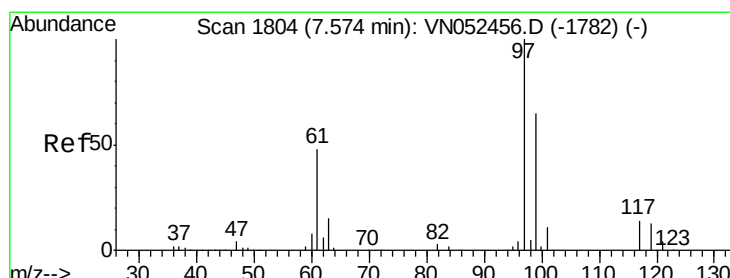
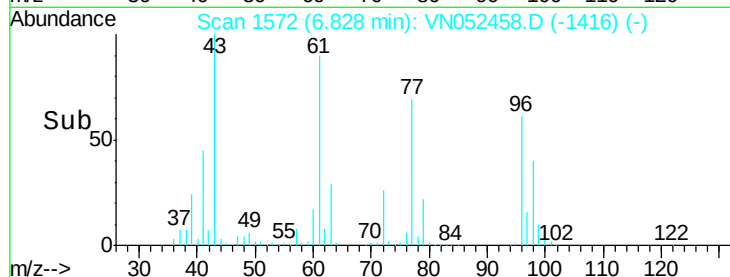
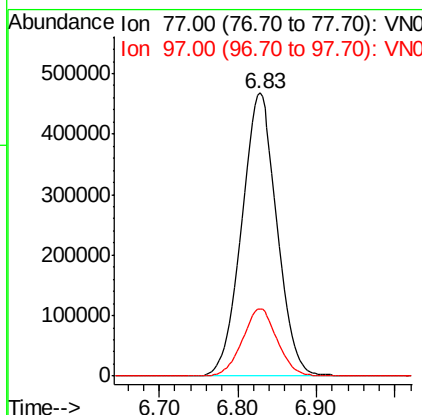
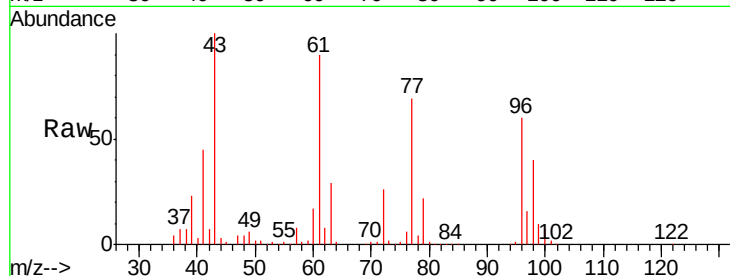
#31
 2,2-Dichloropropane
 Concen: 103.45 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 77 Resp: 1473193
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.7 28.1

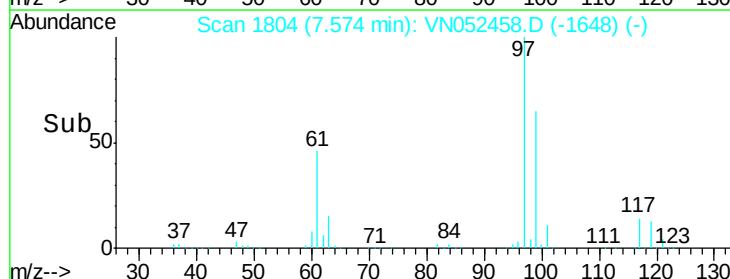
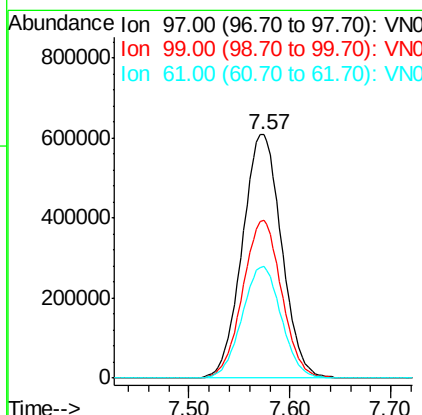
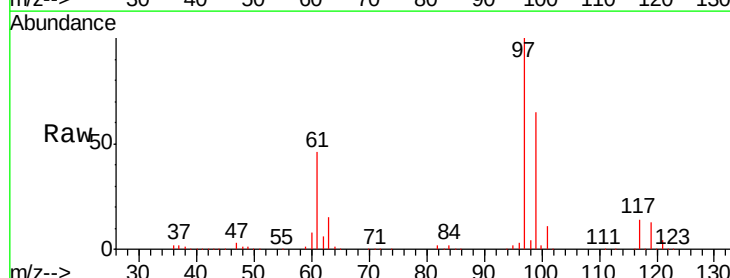
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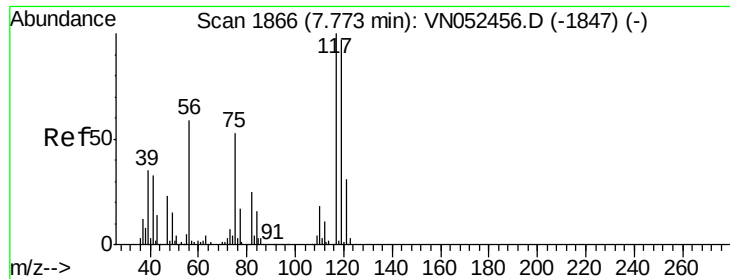
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 102.01 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion: 97 Resp: 1641953
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 45.8 38.1 57.1





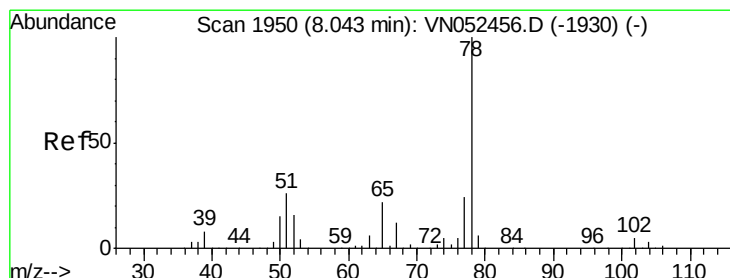
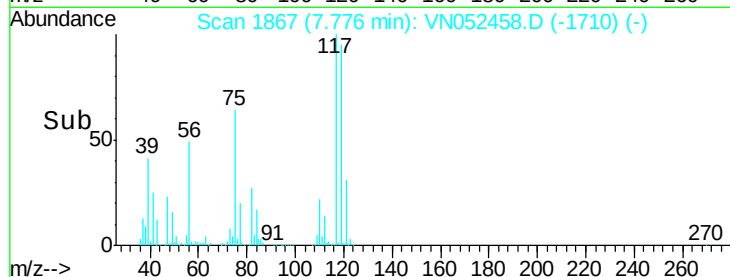
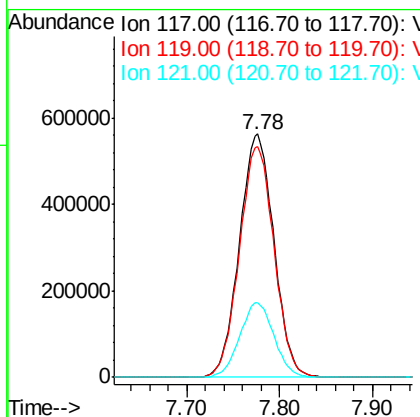
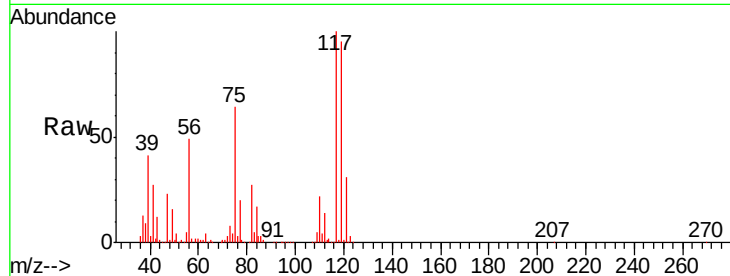
#33
Carbon Tetrachloride
Concen: 102.92 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 117 Resp: 1449536
Ion Ratio Lower Upper
117 100
119 95.0 77.3 115.9
121 30.9 24.9 37.3

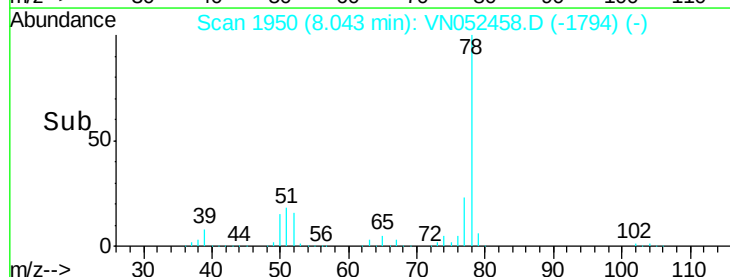
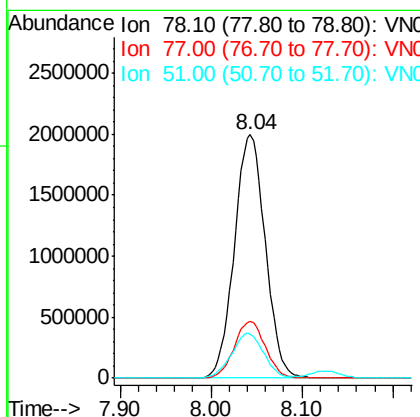
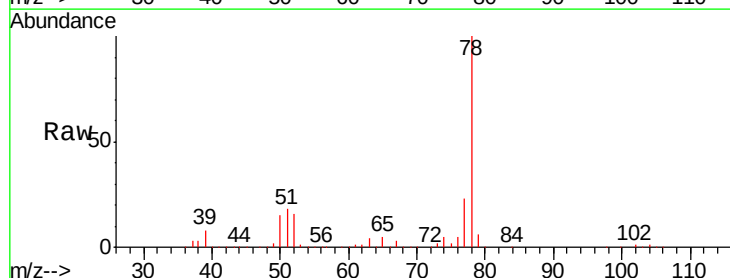
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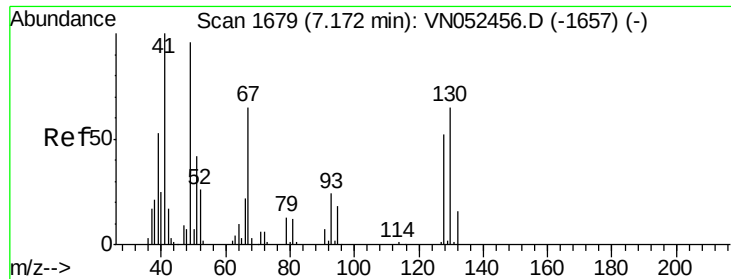
MMDadoda
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#34
Benzene
Concen: 101.39 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion: 78 Resp: 4715392
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6
51 18.1 20.5 30.7#





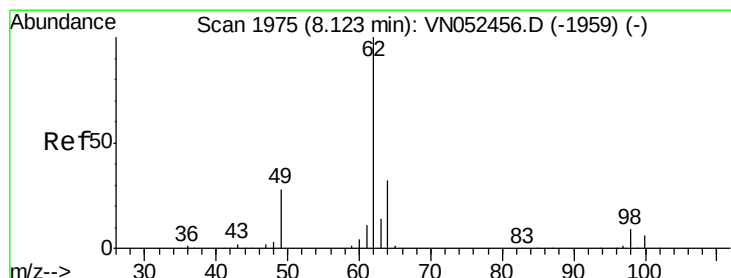
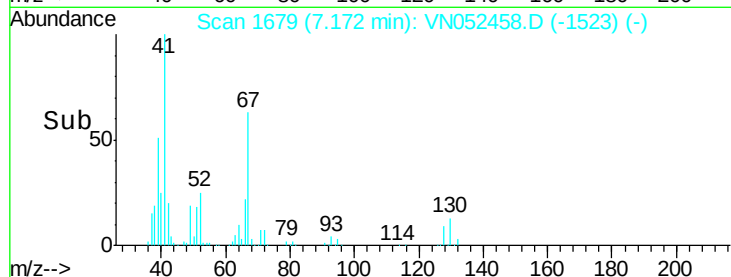
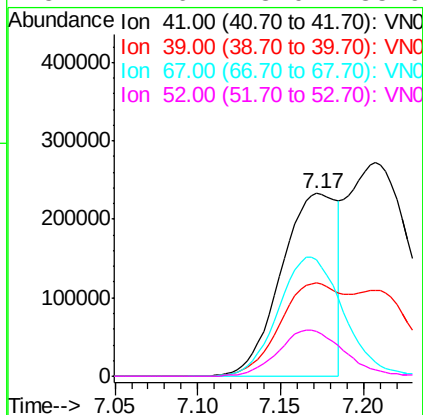
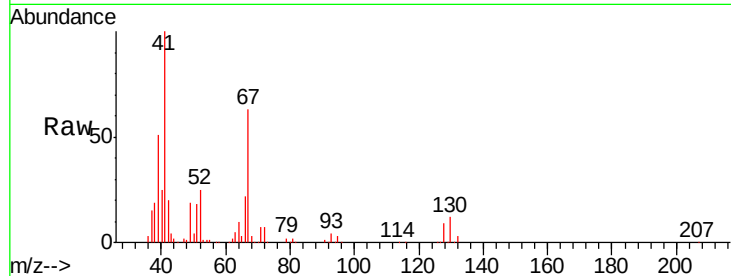
#35
Methacrylonitrile
Concen: 75.89 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.9	26.6	79.7	
67	63.4	32.3	96.9	
52	24.6	13.0	38.9	

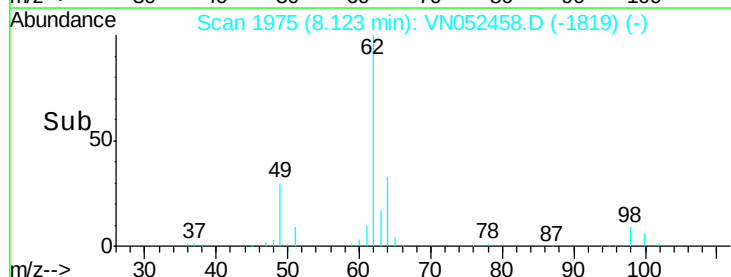
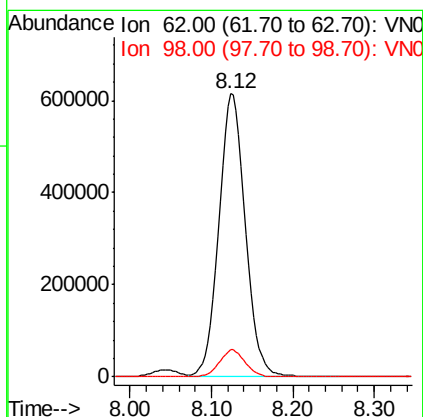
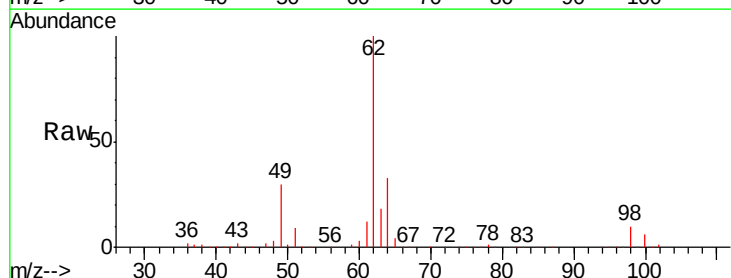
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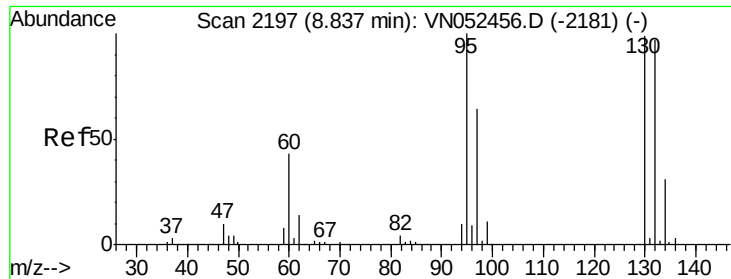
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#36
1,2-Dichloroethane
Concen: 100.01 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.4	11.2	





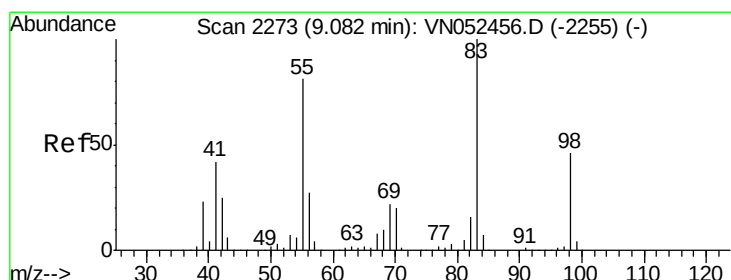
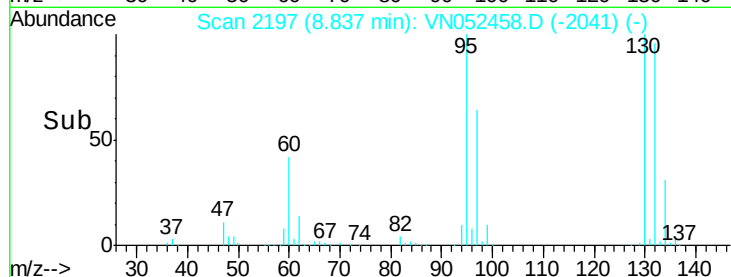
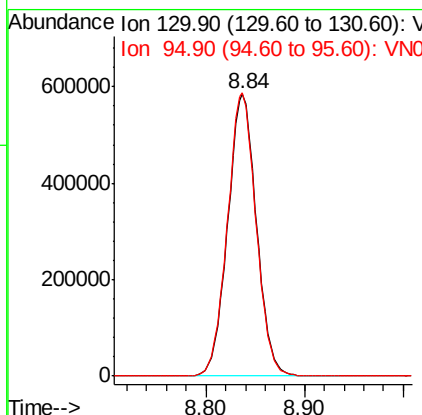
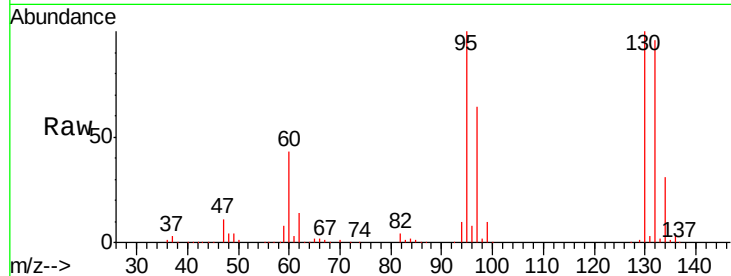
#37
 Trichloroethene
 Concen: 100.71 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:130 Resp: 1187763
 Ion Ratio Lower Upper
 130 100
 95 100.1 81.0 121.4

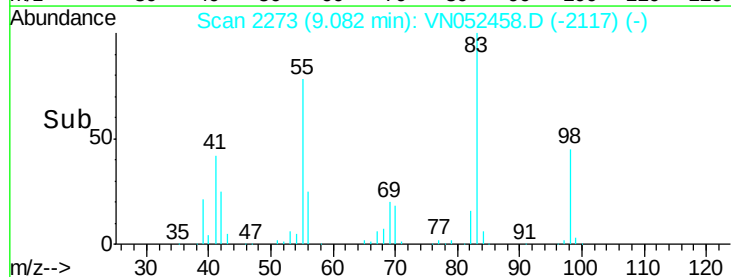
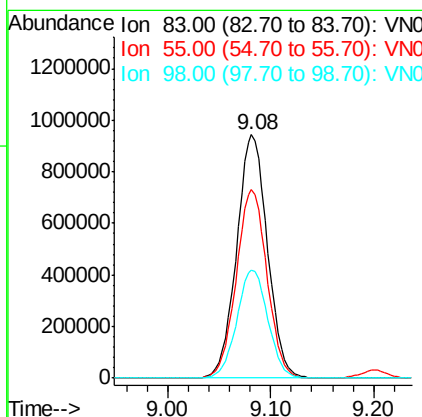
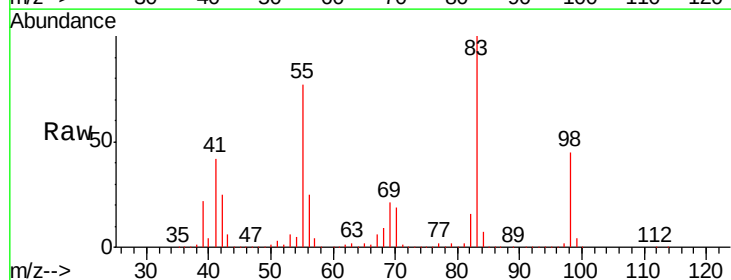
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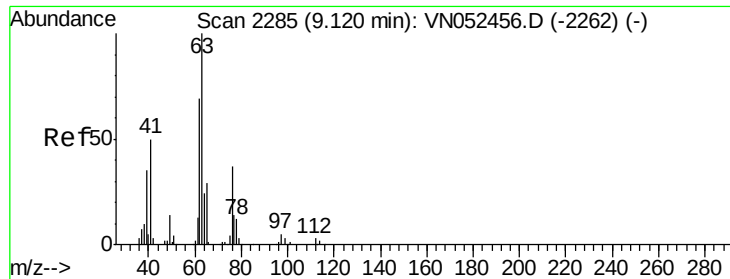
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#38
 Methylcyclohexane
 Concen: 101.91 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion: 83 Resp: 1951439
 Ion Ratio Lower Upper
 83 100
 55 77.6 39.8 119.4
 98 45.1 22.9 68.5





#39

1,2-Dichloropropane

Concen: 101.17 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 1261245

Ion Ratio Lower Upper

63 100

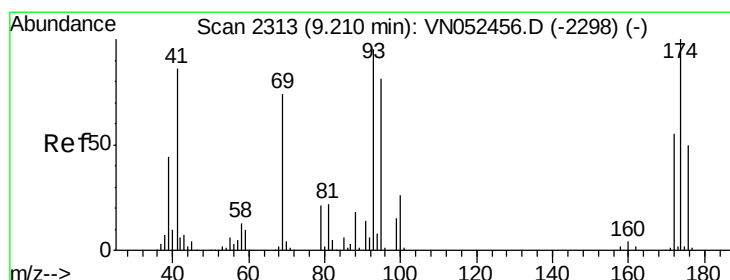
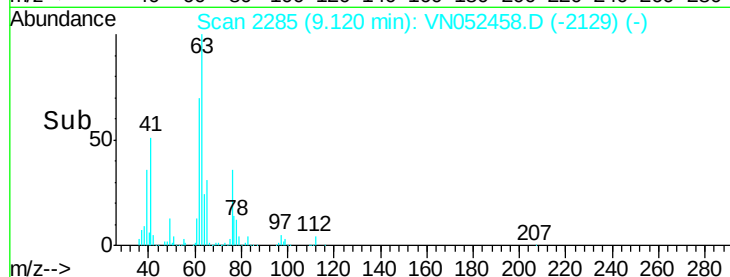
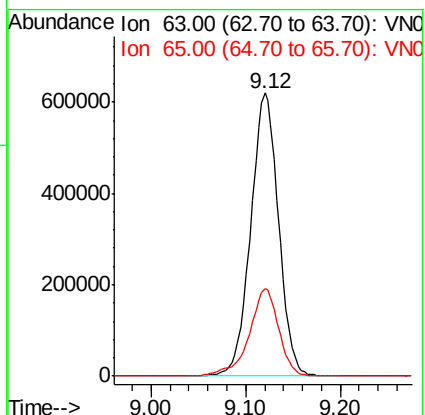
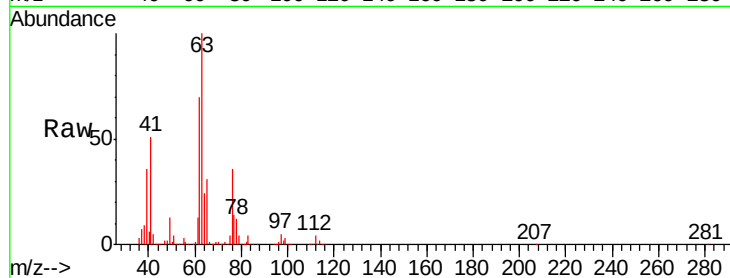
65 31.0 23.6 35.4

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#40

Dibromomethane

Concen: 102.06 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

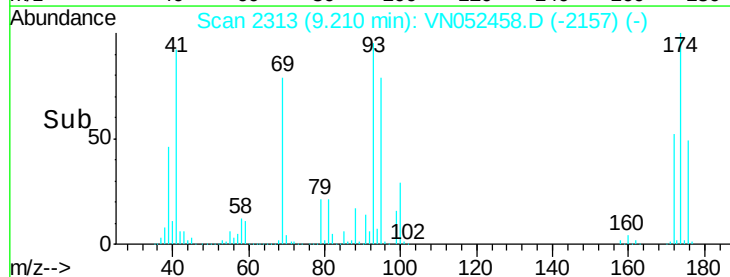
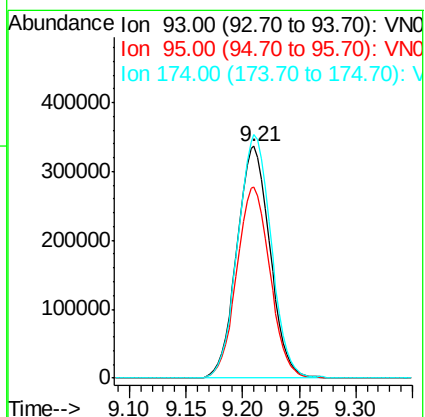
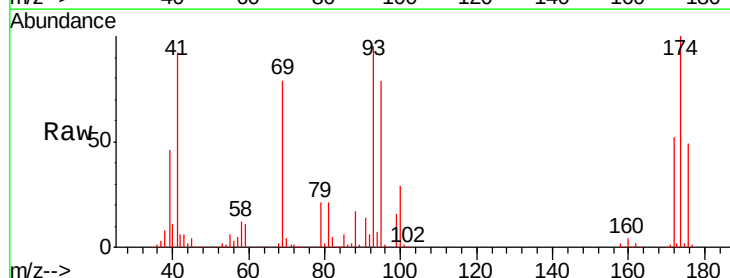
Tgt Ion: 93 Resp: 687552

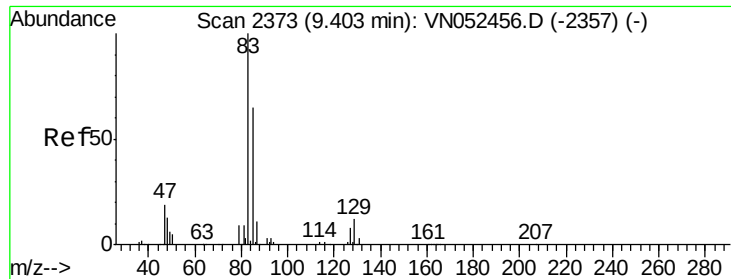
Ion Ratio Lower Upper

93 100

95 83.0 0.0 168.4

174 105.9 0.0 210.0





#41

Bromodichloromethane

Concen: 102.14 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 1520238

Ion Ratio Lower Upper

83 100

85 64.2 52.4 78.6

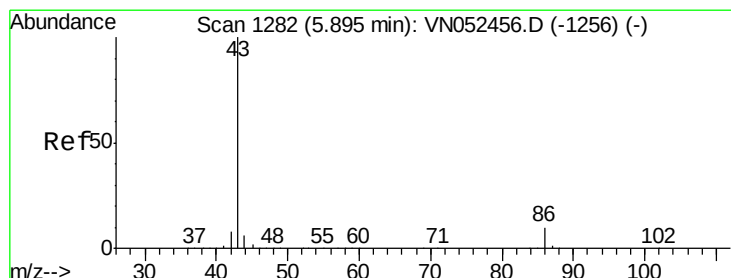
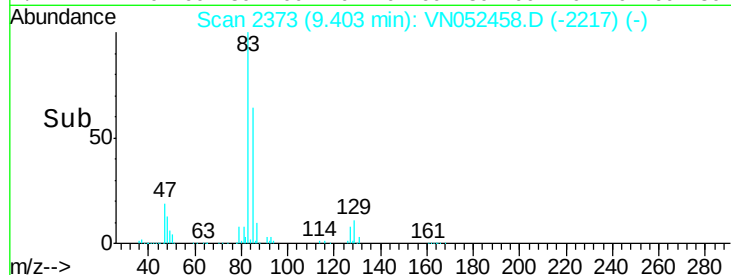
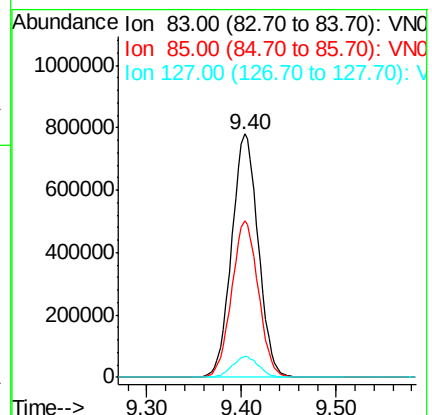
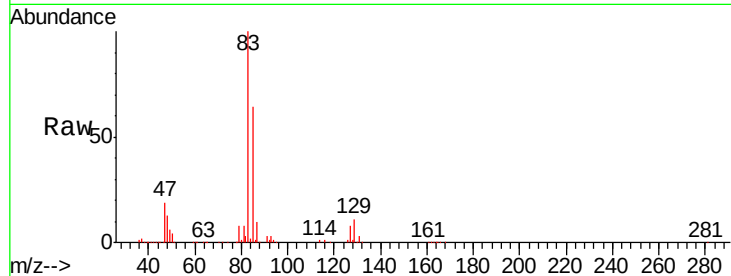
127 8.4 6.6 9.8

Manual Integrations

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#42

Vinyl Acetate

Concen: 525.90 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052458.D

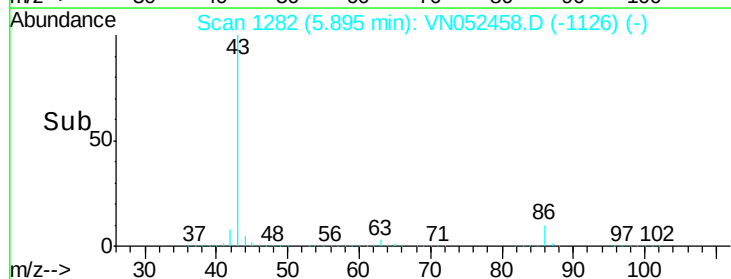
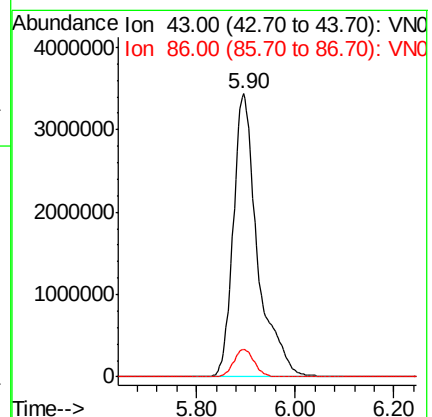
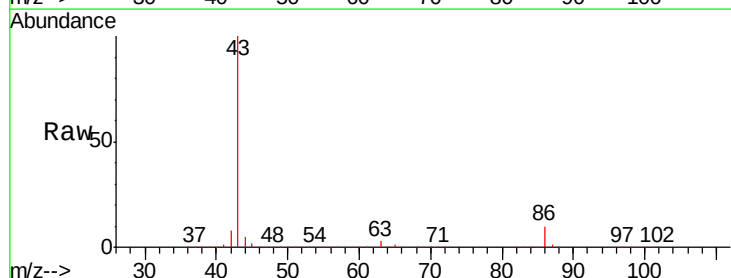
Acq: 26 Nov 2018 14:13

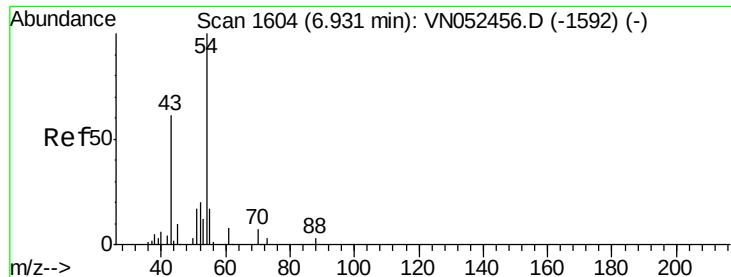
Tgt Ion: 43 Resp: 11777849

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7





#43

Ethyl Acetate

Concen: 49.04 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 902910

Ion Ratio Lower Upper

43 100

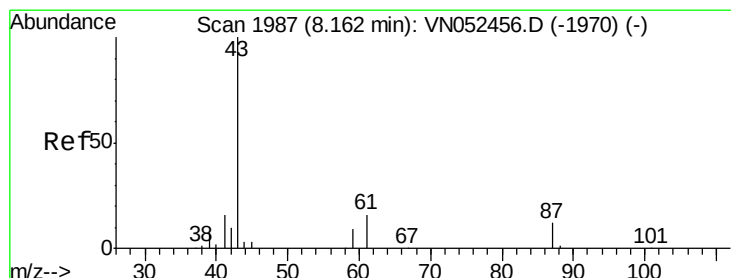
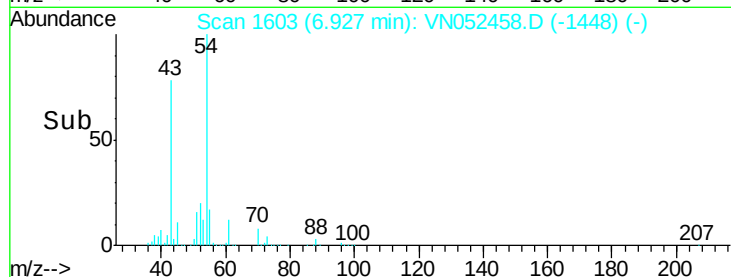
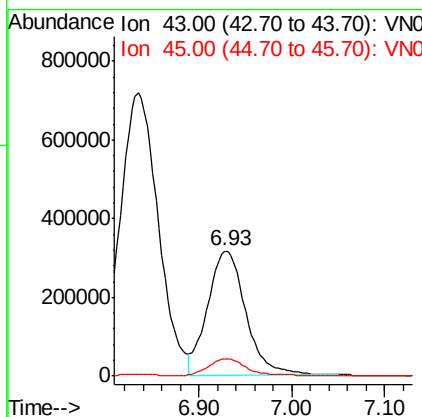
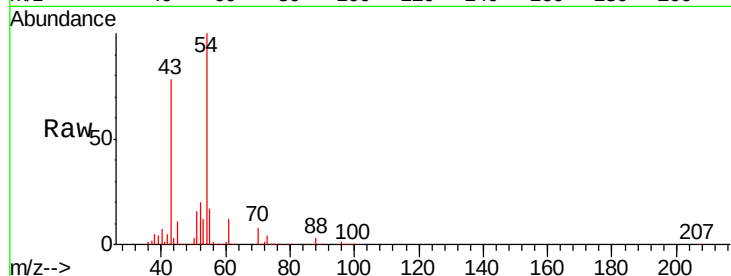
45 14.7 1.0 1.6#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 104.85 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052458.D

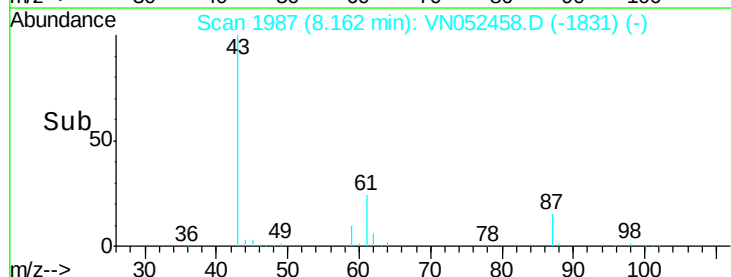
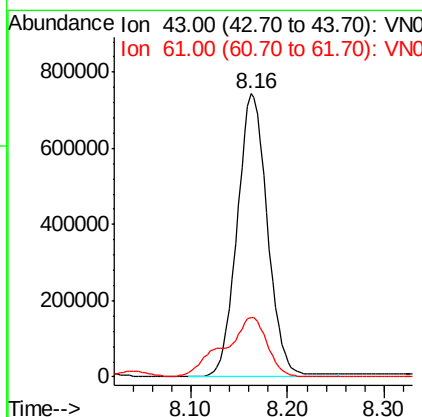
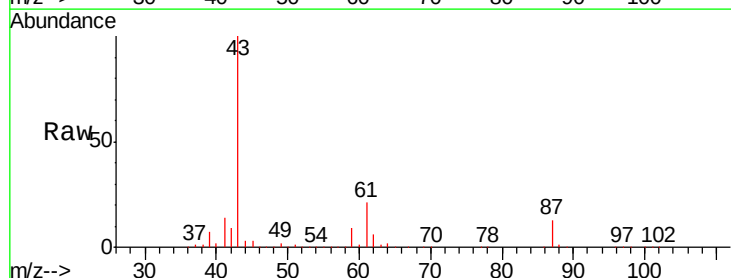
Acq: 26 Nov 2018 14:13

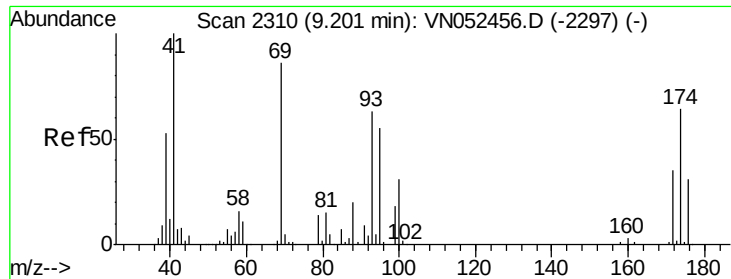
Tgt Ion: 43 Resp: 1618568

Ion Ratio Lower Upper

43 100

61 29.9 16.0 24.0#





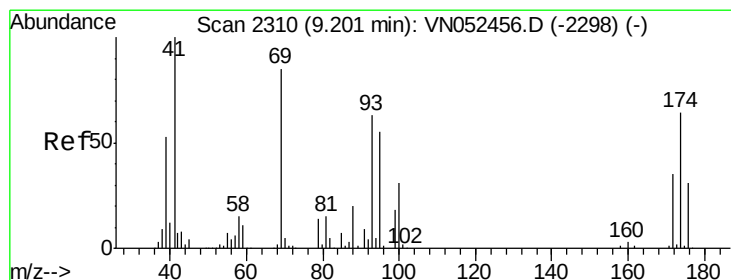
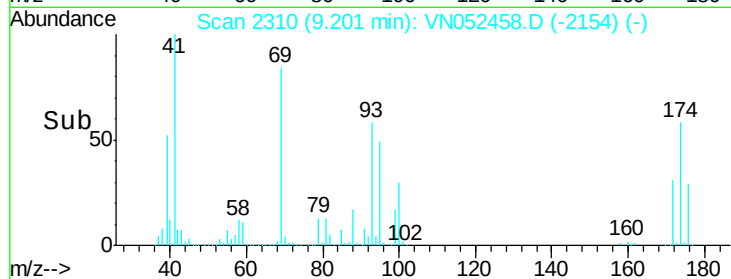
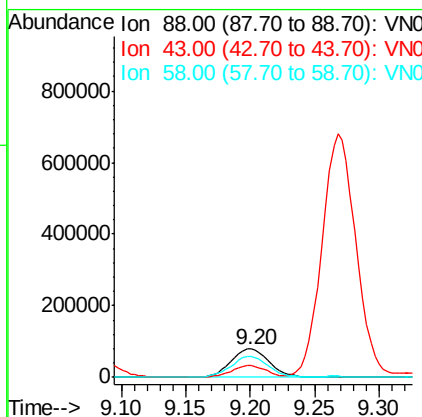
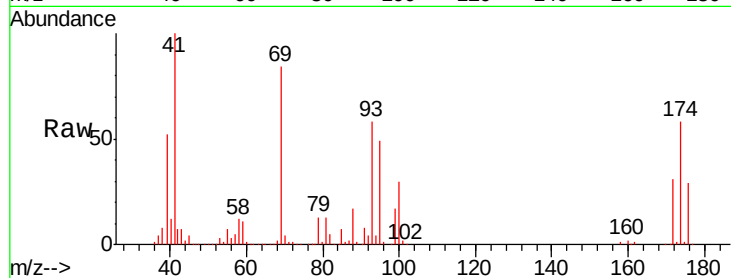
#45
 1,4-Dioxane
 Concen: 1967.58 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	166156		
43	35.3	29.5	44.3	
58	71.5	61.5	92.3	

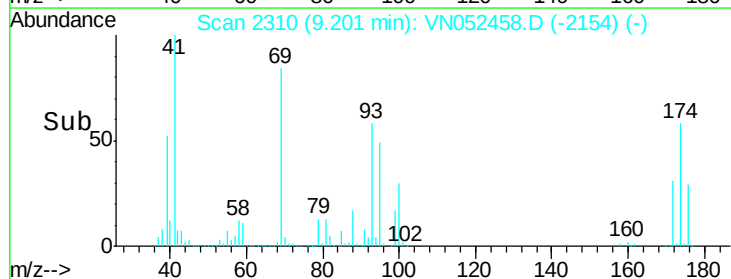
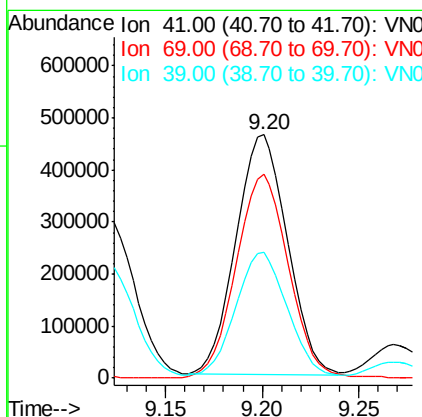
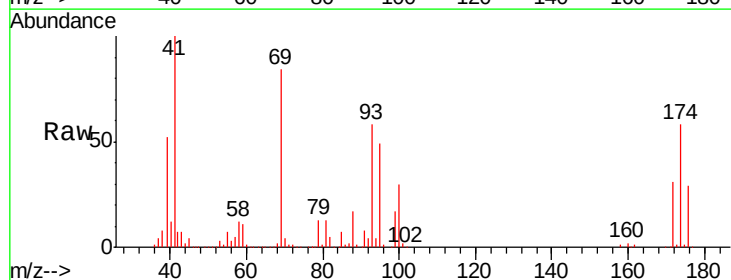
Manual Integrations
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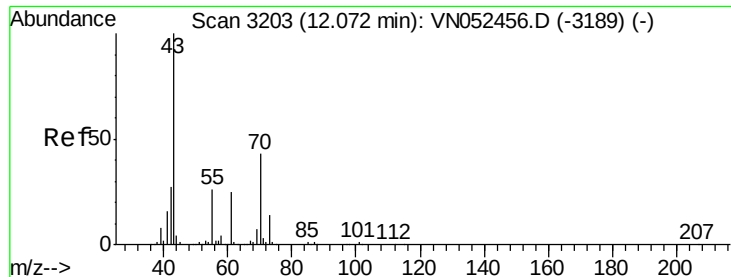
MMDadoda
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#46
 Methyl methacrylate
 Concen: 106.32 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	852160		
69	84.3	42.5	127.6	
39	51.2	26.3	78.9	





#47

n-amyI Acetate

Concen: 112.45 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 1439207

Ion Ratio Lower Upper

43 100

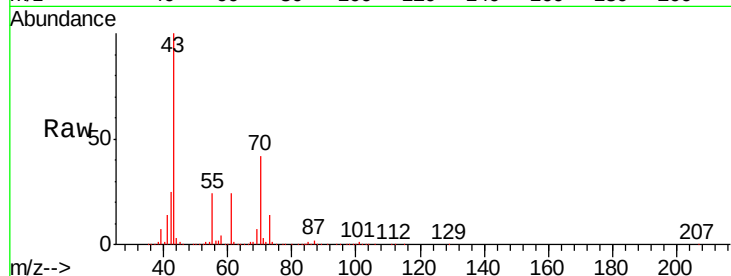
55 24.5 21.1 31.7

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

800000

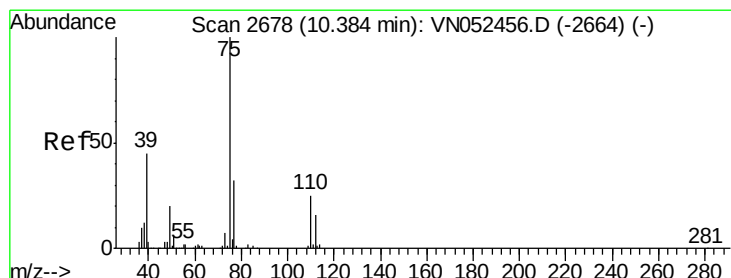
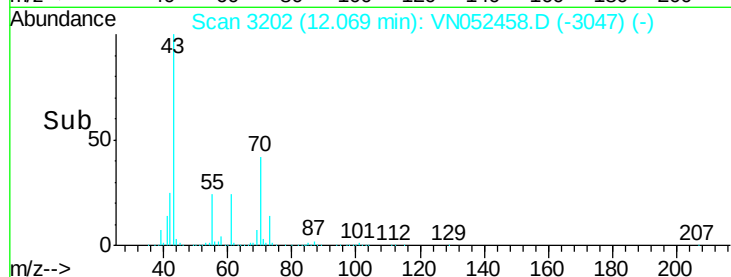
600000

400000

200000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 108.10 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN052458.D

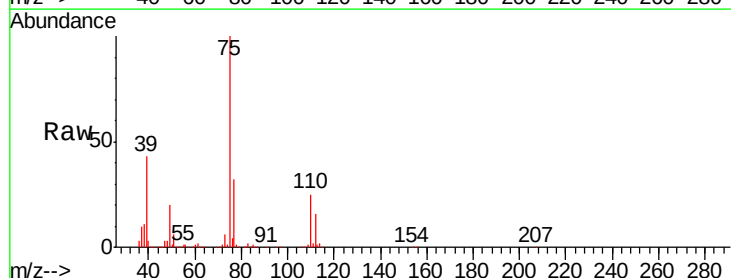
Acq: 26 Nov 2018 14:13

Tgt Ion: 75 Resp: 1560121

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

800000

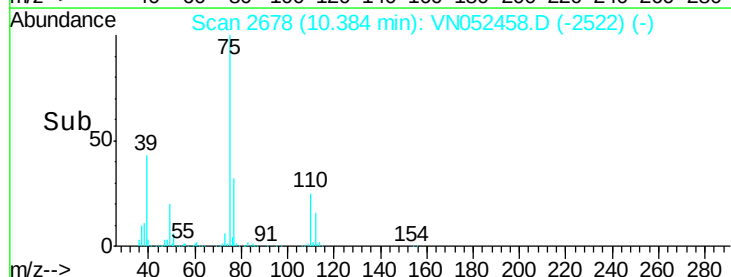
600000

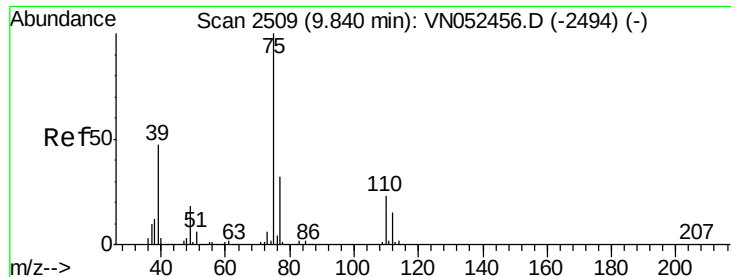
400000

200000

0

Time-->





#49

cis-1,3-Dichloropropene

Concen: 105.56 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 1856137

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

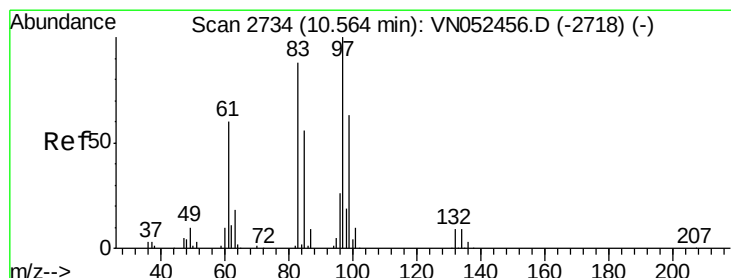
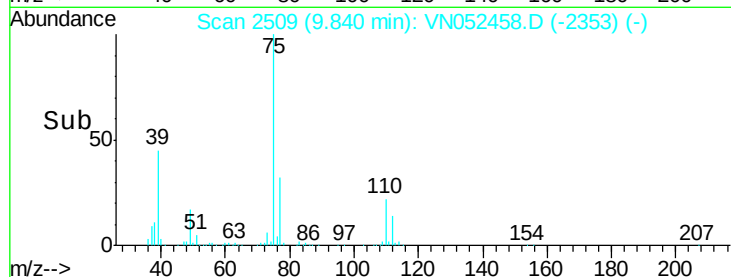
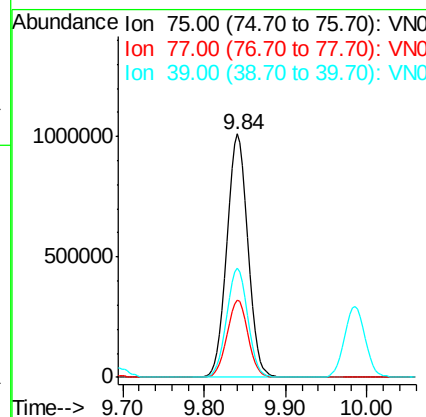
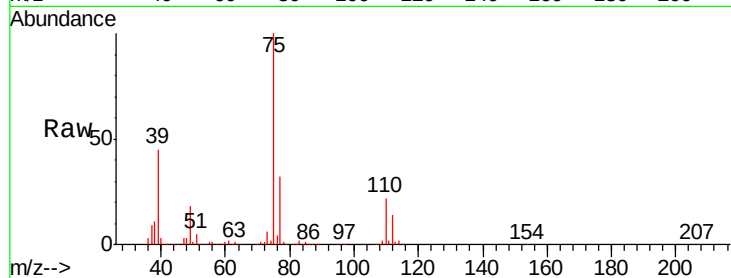
39 44.9 37.3 55.9

Manual Integrations

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#50

1,1,2-Trichloroethane

Concen: 101.84 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Tgt Ion: 97 Resp: 972506

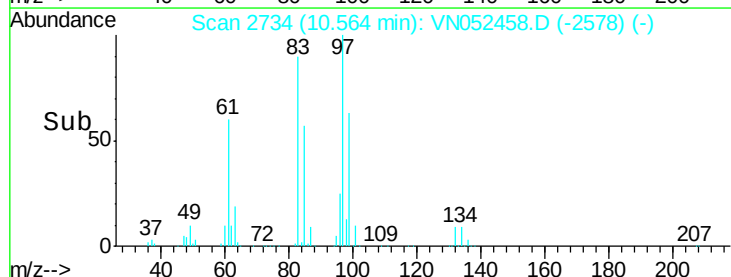
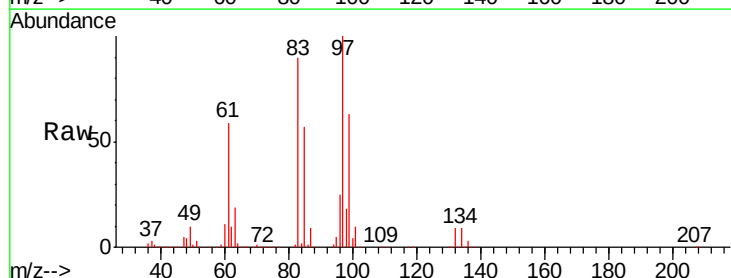
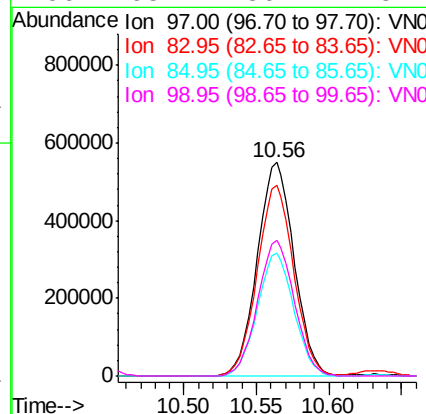
Ion Ratio Lower Upper

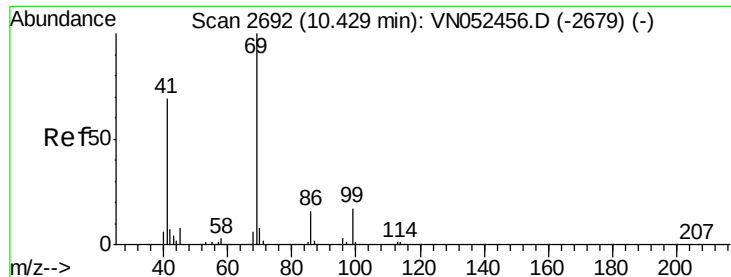
97 100

83 89.5 70.4 105.6

85 57.5 45.0 67.6

99 63.4 50.2 75.2





#51

Ethyl methacrylate

Concen: 107.74 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 69 Resp: 1292156

Ion Ratio Lower Upper

69 100

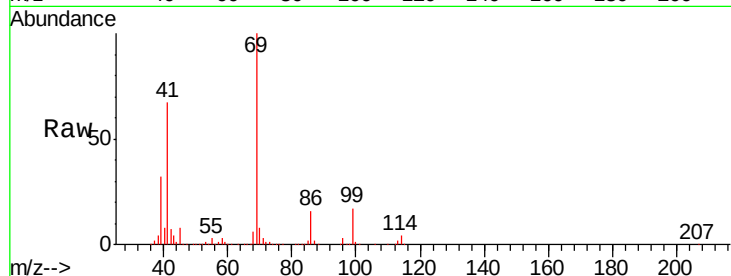
41 66.9 34.4 103.3

39 31.7 16.4 49.2

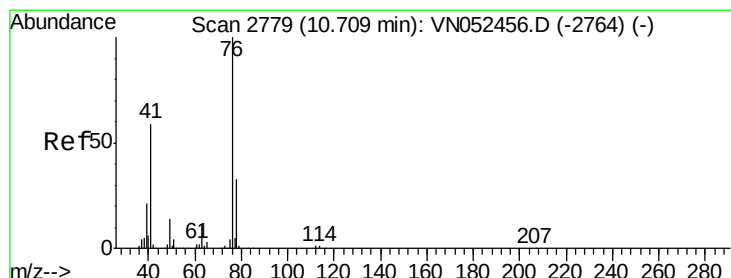
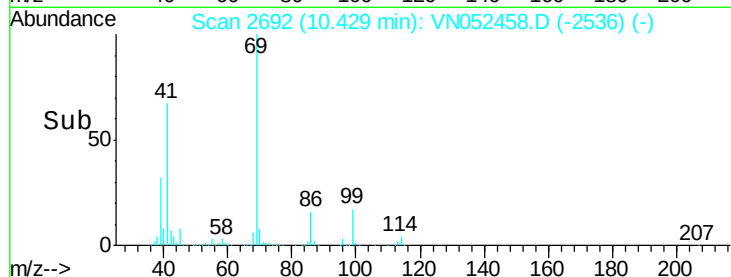
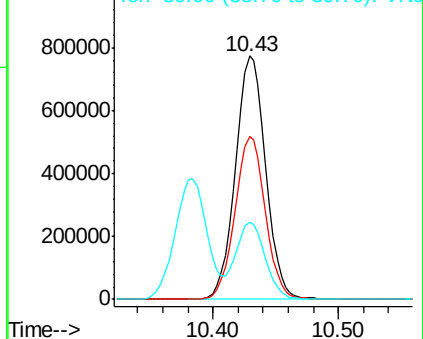
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Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 102.18 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052458.D

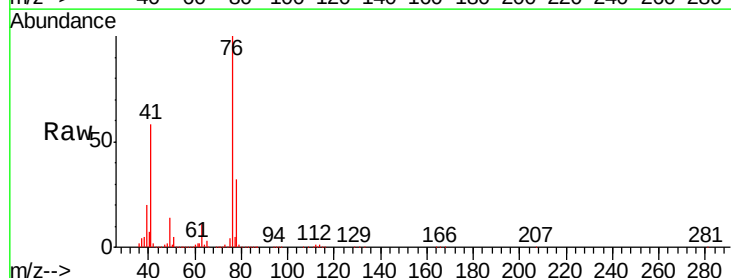
Acq: 26 Nov 2018 14:13

Tgt Ion: 76 Resp: 1736786

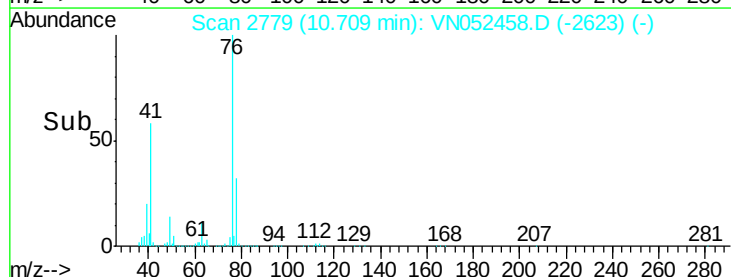
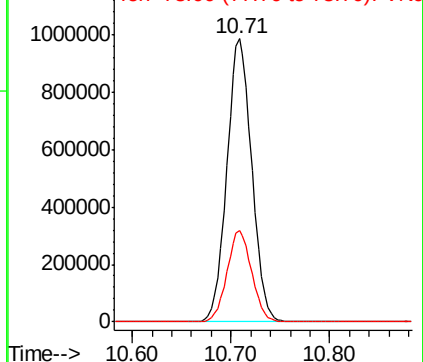
Ion Ratio Lower Upper

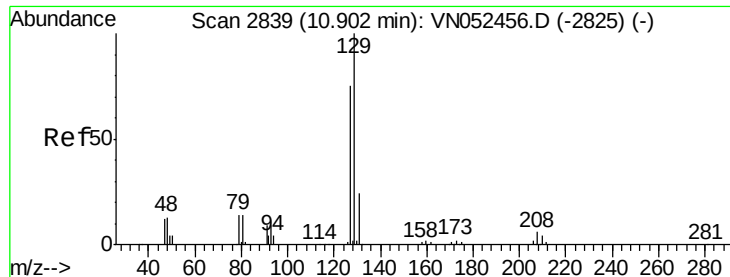
76 100

78 32.1 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 104.51 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:129 Resp: 1098805

Ion Ratio Lower Upper

129 100

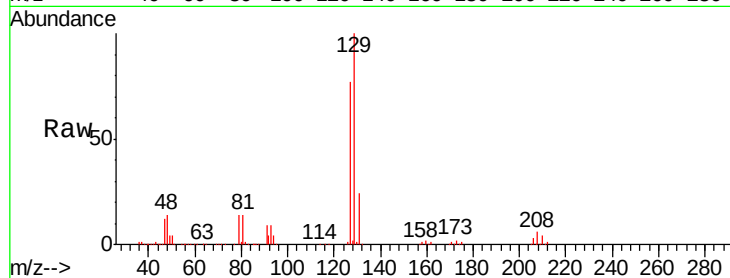
127 76.8 37.6 112.8

Manual Integrations

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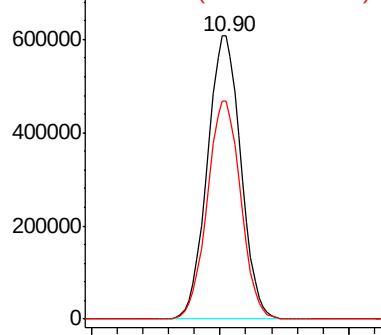
MMDadoda

11/27/2018 3:52:11 PM

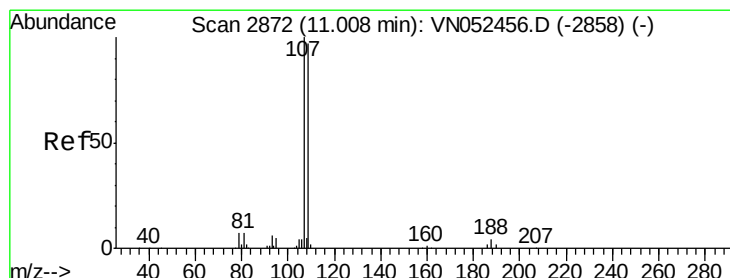
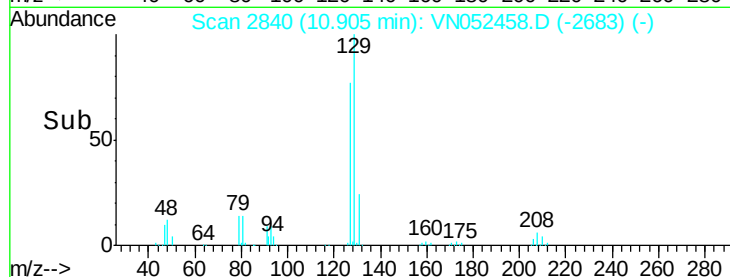


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 104.52 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052458.D

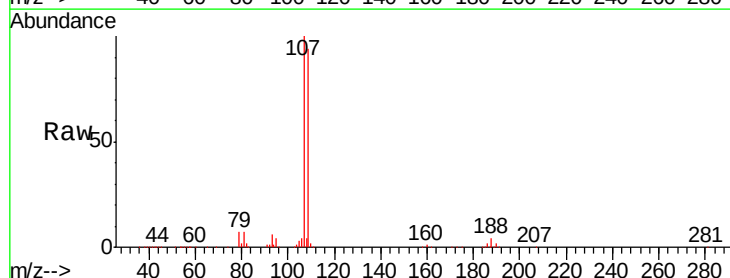
Acq: 26 Nov 2018 14:13

Tgt Ion:107 Resp: 975295

Ion Ratio Lower Upper

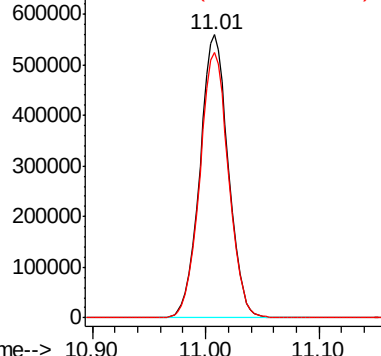
107 100

109 94.9 77.1 115.7

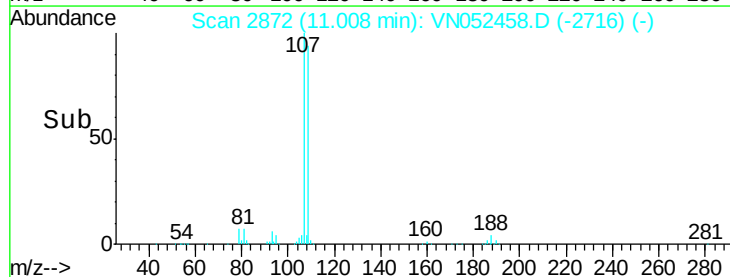


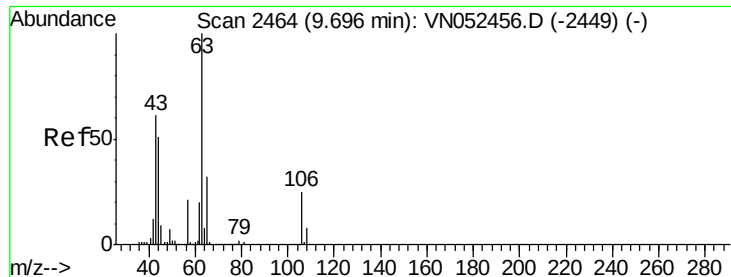
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time--> 10.90 11.00 11.10





#55

2-Chloroethyl vinyl ether

Concen: 534.40 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 3751795

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.2

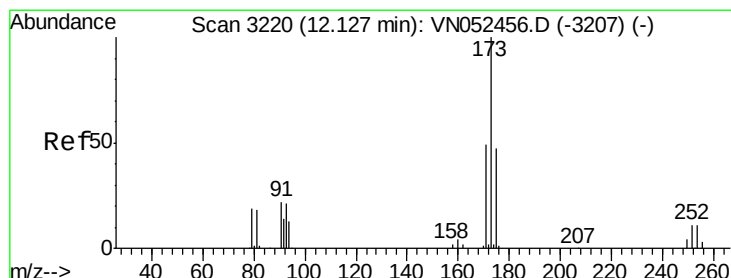
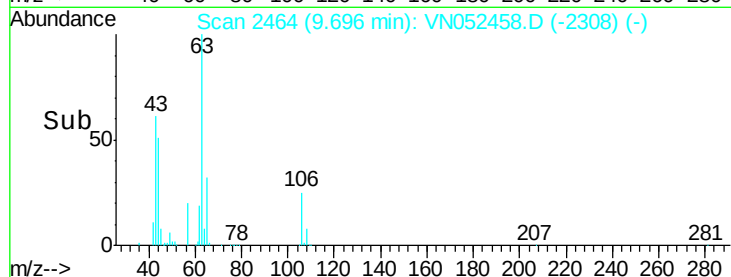
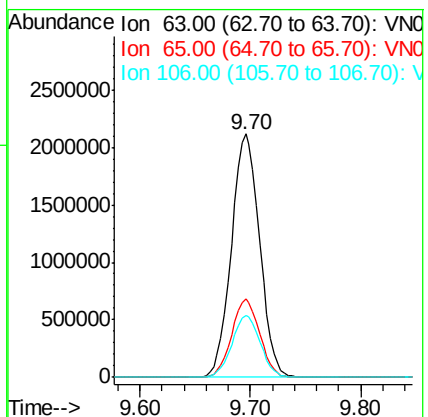
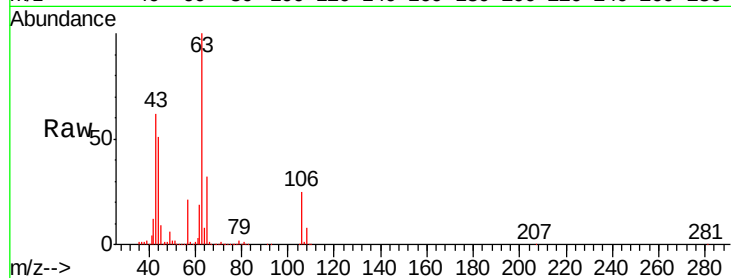
106 25.4 20.4 30.6

Manual Integrations

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#56

Bromoform

Concen: 106.40 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

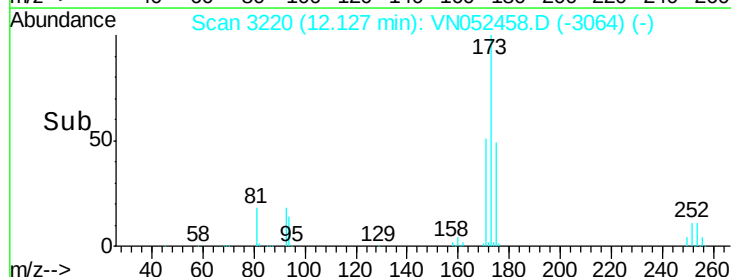
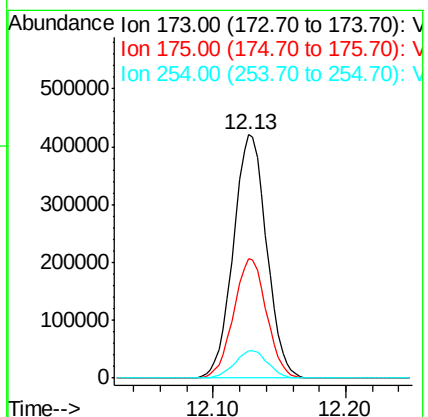
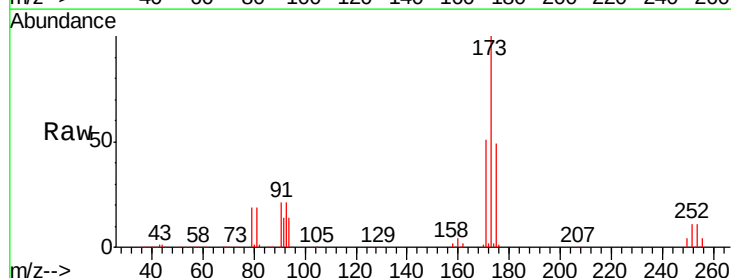
Tgt Ion: 173 Resp: 731217

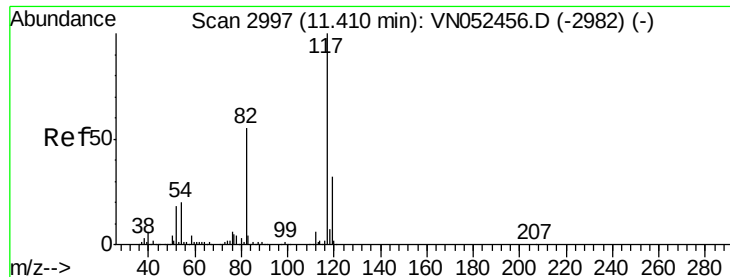
Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

254 11.2 8.4 12.6





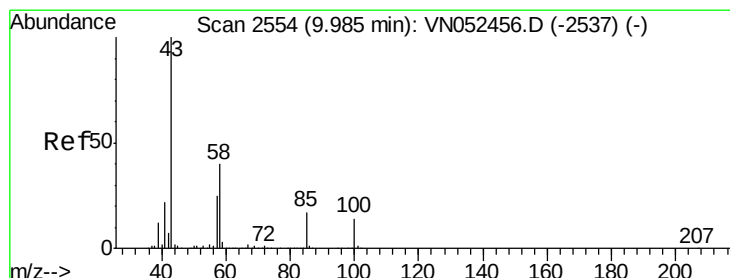
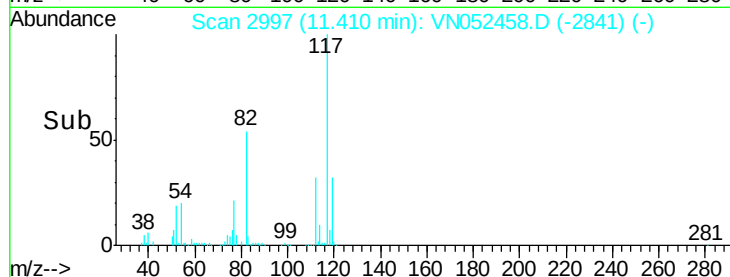
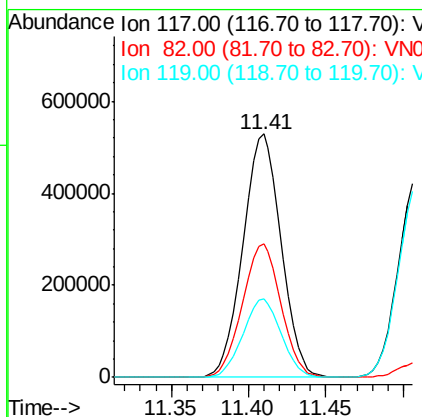
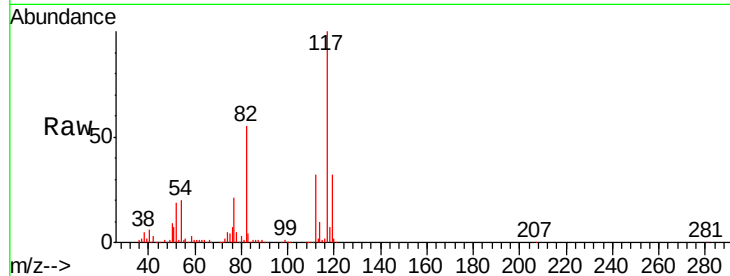
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.2
119	32.3	25.4	38.2

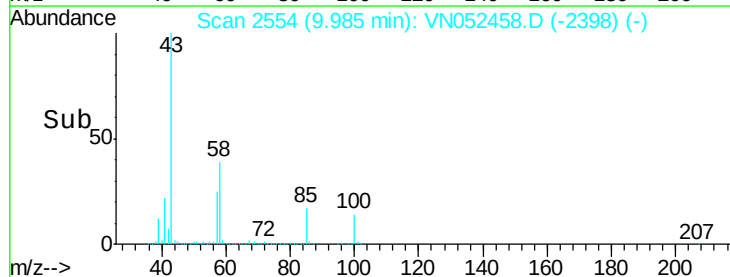
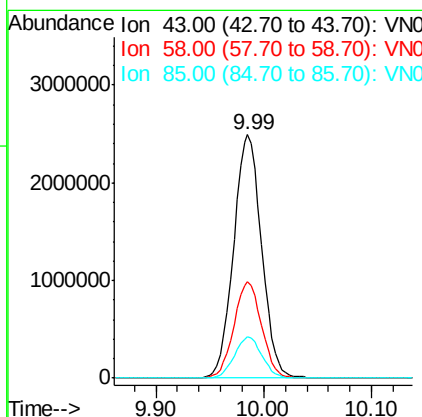
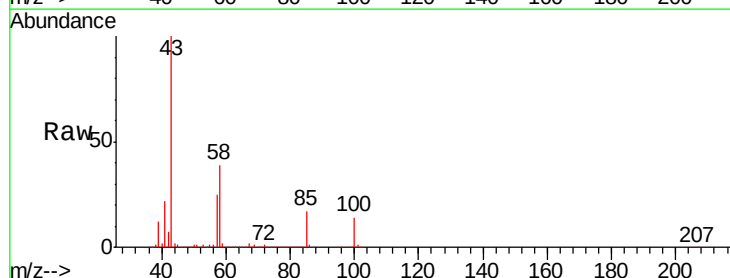
Manual Integrations
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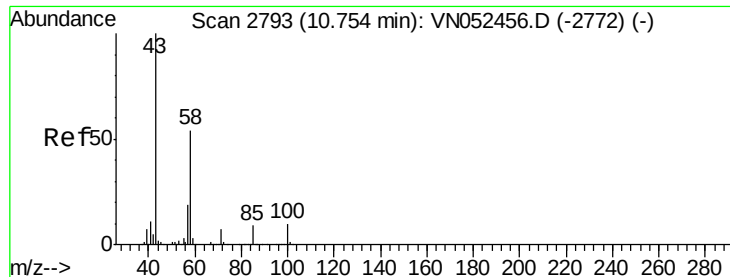
MMDadoda
11/27/2018 3:52:11 PM



#58
4-Methyl-2-Pentanone
Concen: 510.03 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.6	47.4
85	16.8	13.3	19.9





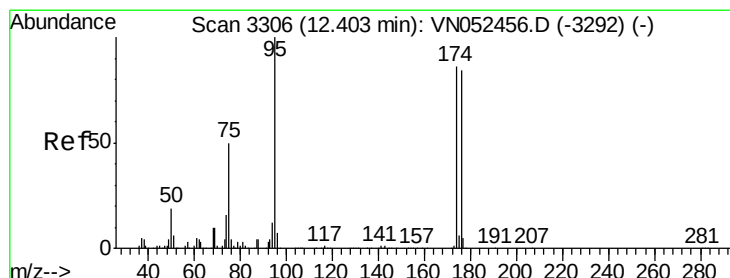
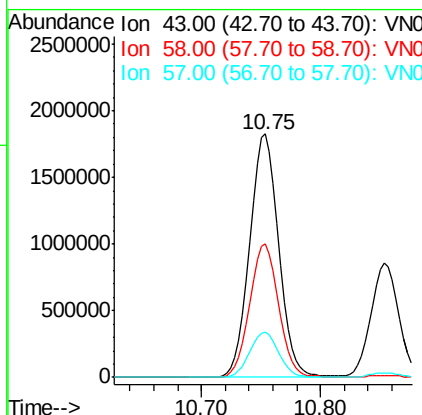
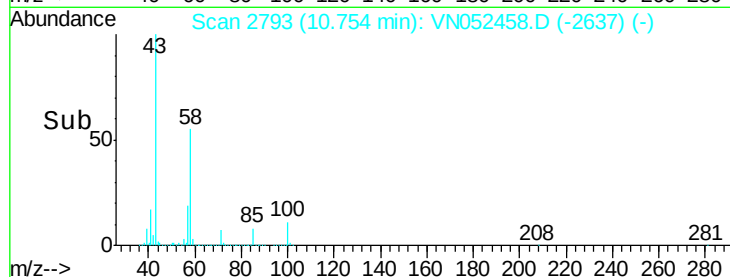
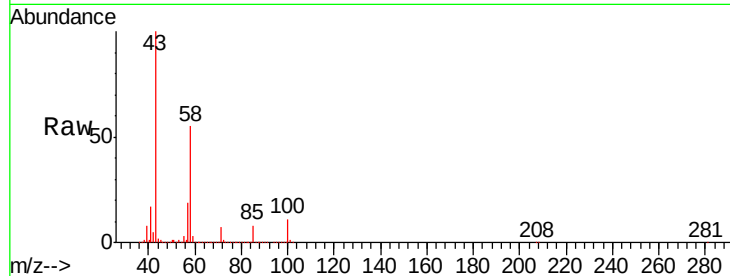
#59
2-Hexanone
Concen: 511.46 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 3078987
Ion Ratio Lower Upper
43 100
58 54.8 43.2 64.8
57 18.7 14.9 22.3

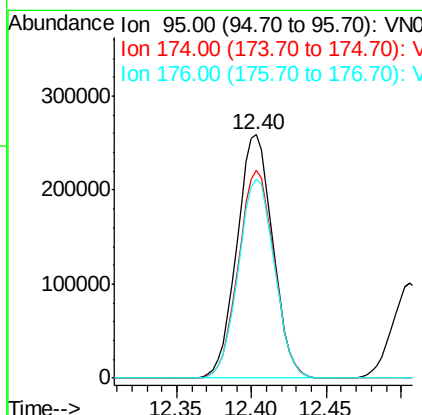
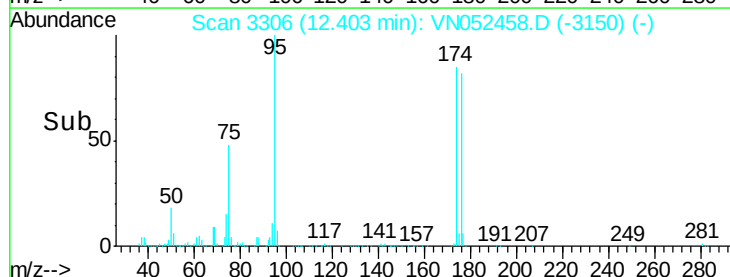
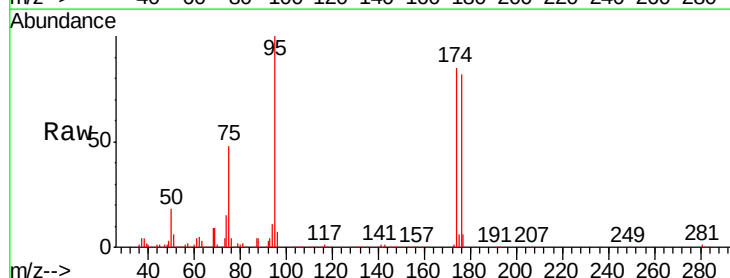
Manual Integrations
APPROVED

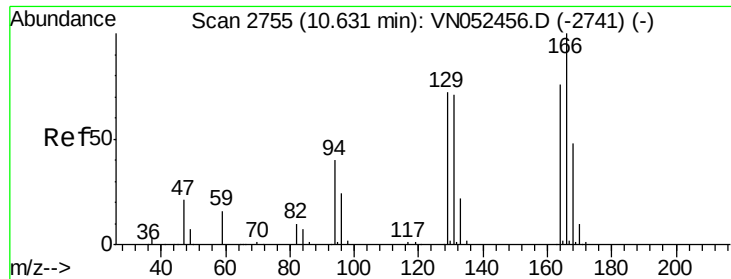
MMDadoda
11/27/2018 3:52:11 PM



#60
4-Bromofluorobenzene
Concen: 511.46 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion: 95 Resp: 432902
Ion Ratio Lower Upper
95 100
174 85.2 67.9 101.9
176 82.4 66.4 99.6





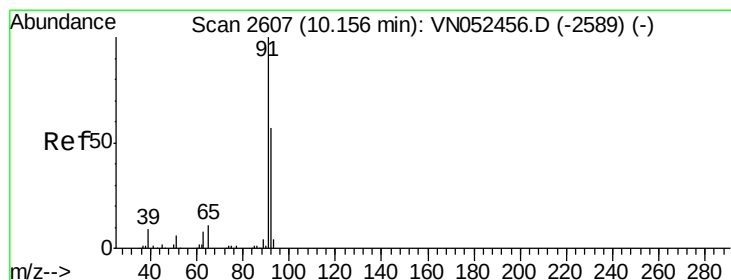
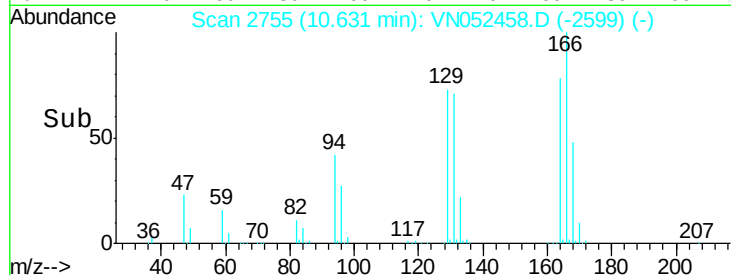
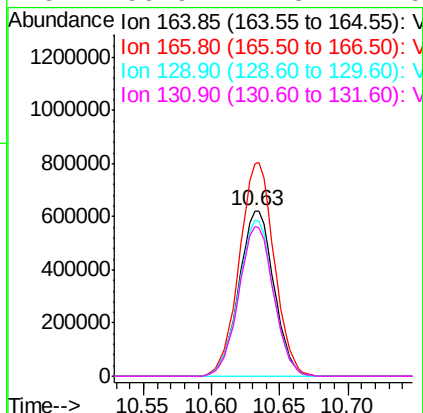
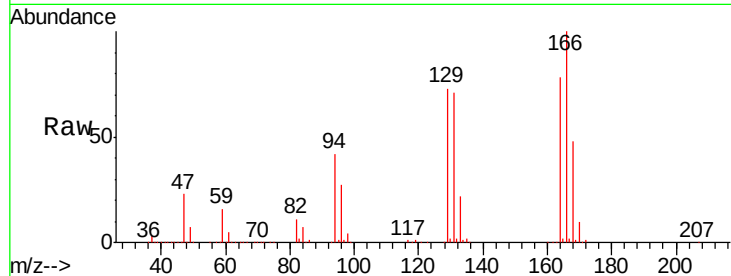
#61
Tetrachloroethene
Concen: 98.82 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.6	157.0
129	94.3	75.3	112.9
131	90.9	74.3	111.5

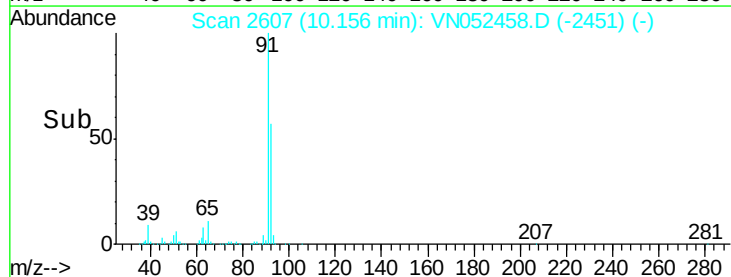
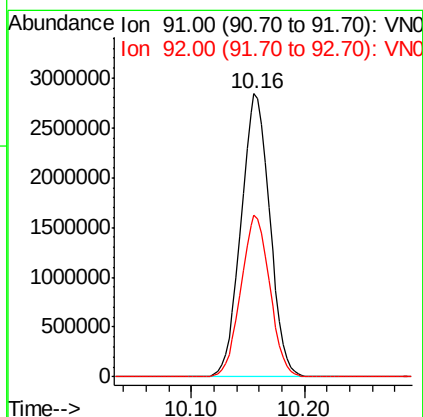
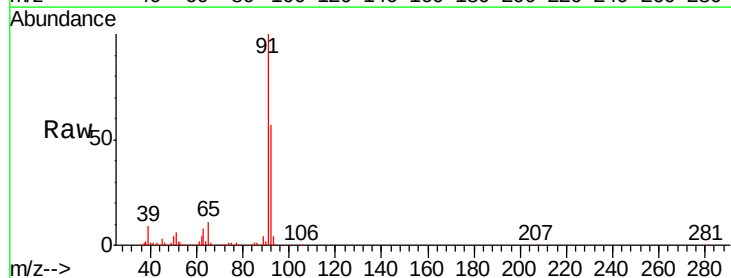
Manual Integrations
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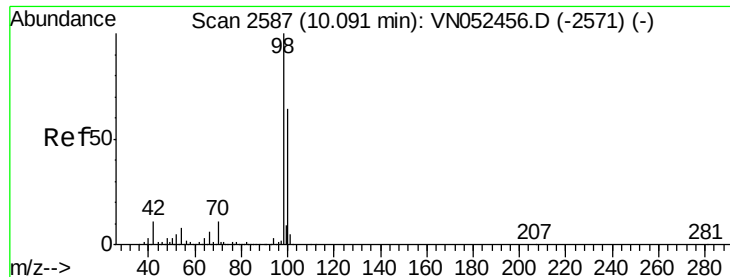
MMDadoda
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#62
Toluene
Concen: 100.58 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.4	68.2





#63

Toluene-d8

Concen: 100.58 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 98 Resp: 1253465

Ion Ratio Lower Upper

98 100

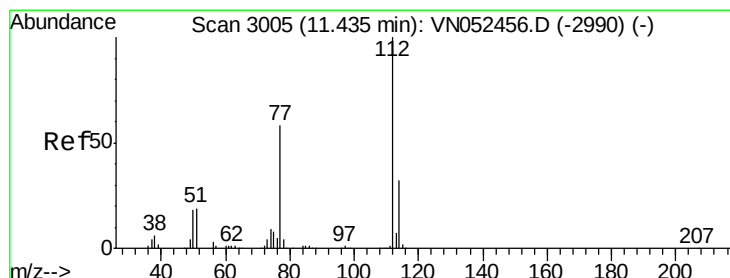
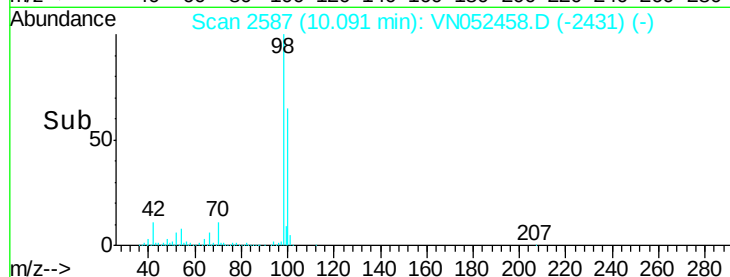
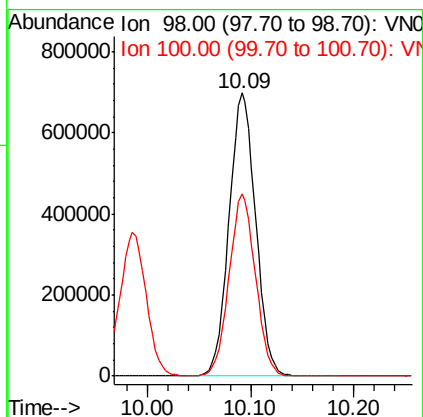
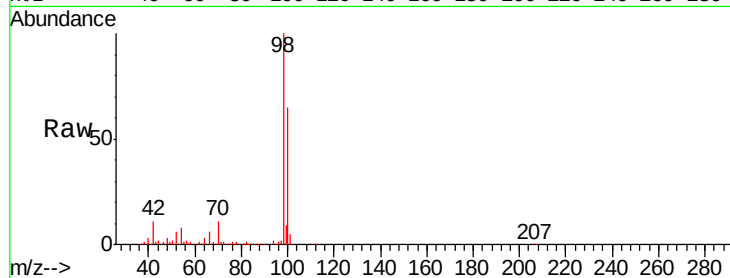
100 63.8 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 102.10 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052458.D

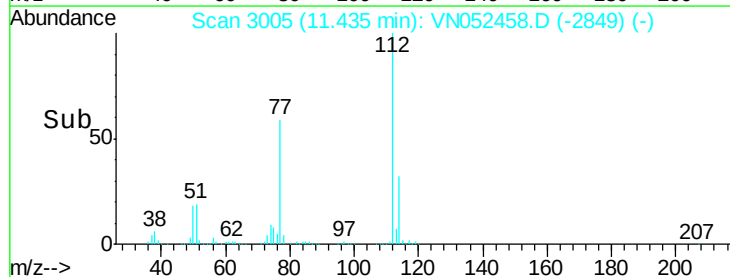
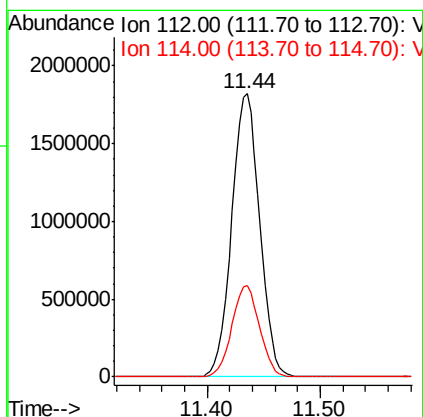
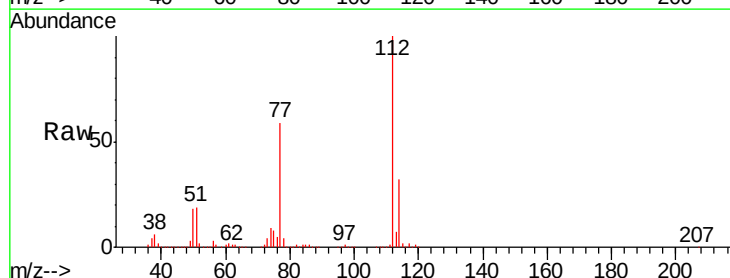
Acq: 26 Nov 2018 14:13

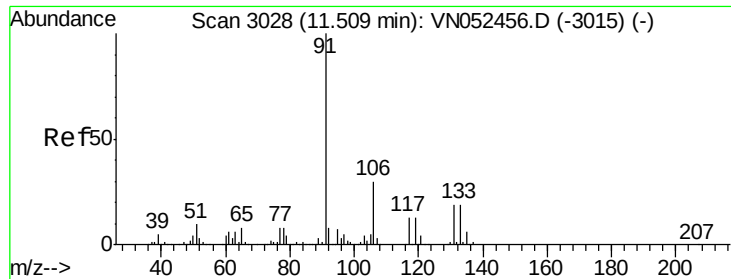
Tgt Ion: 112 Resp: 3122729

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4





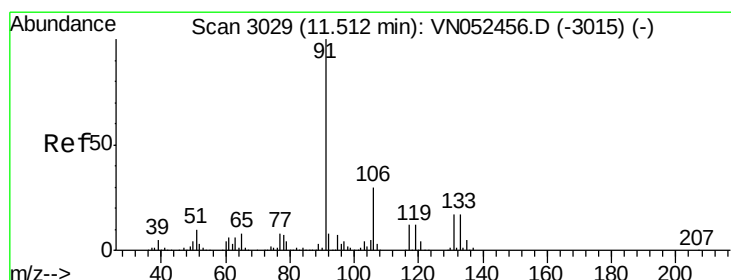
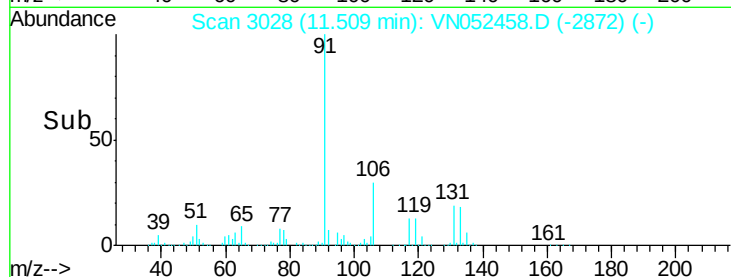
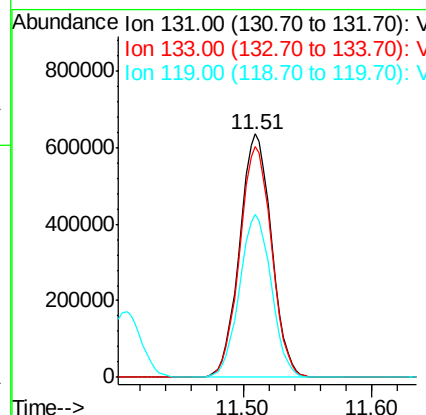
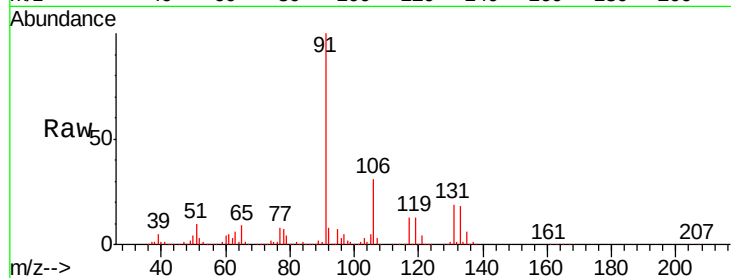
#65
 1,1,1,2-Tetrachloroethane
 Concen: 102.90 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	0.0	193.4
119	66.6	0.0	133.0

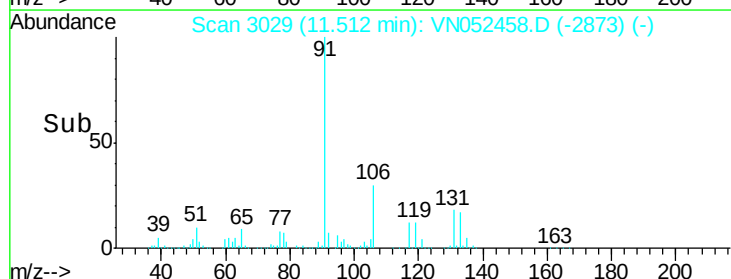
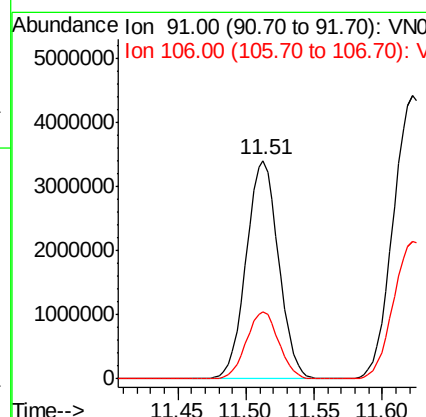
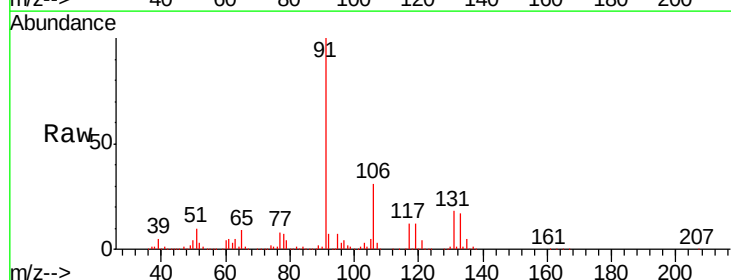
Manual Integrations
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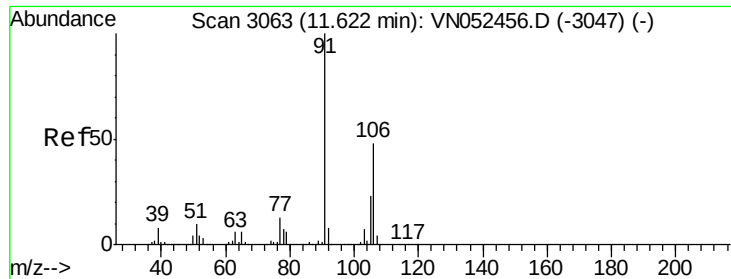
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#66
 Ethyl Benzene
 Concen: 103.62 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.3	36.5





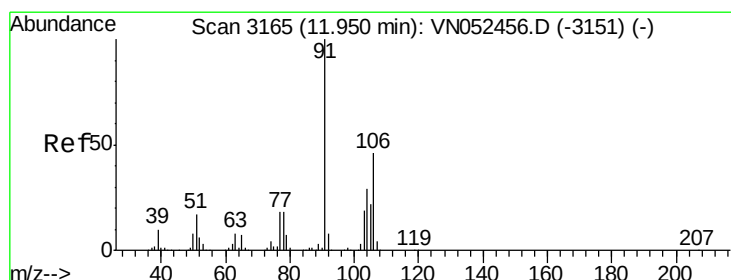
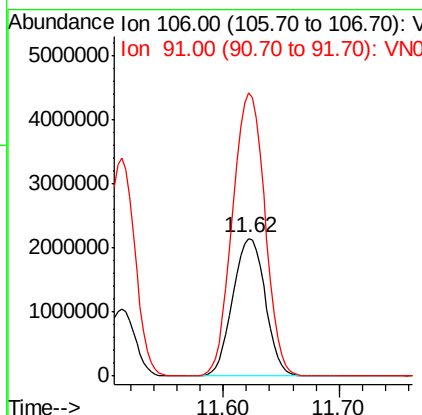
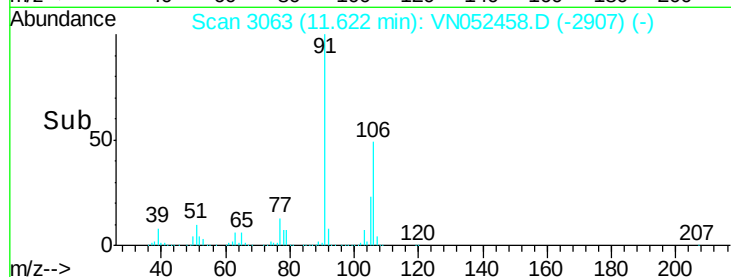
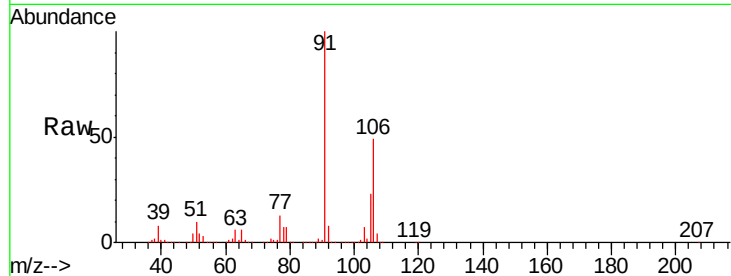
#67
m/p-Xylenes
Concen: 206.74 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 4159865
Ion Ratio Lower Upper
106 100
91 205.6 163.9 245.9

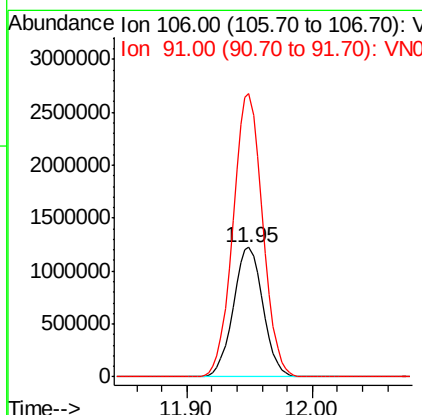
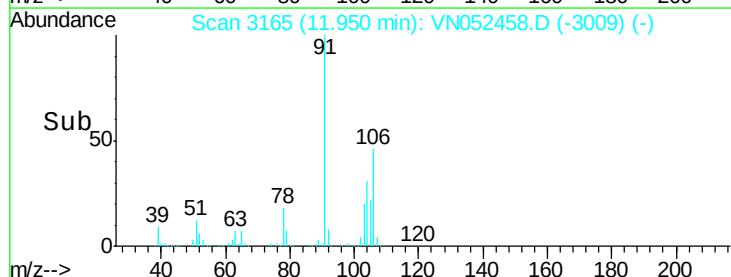
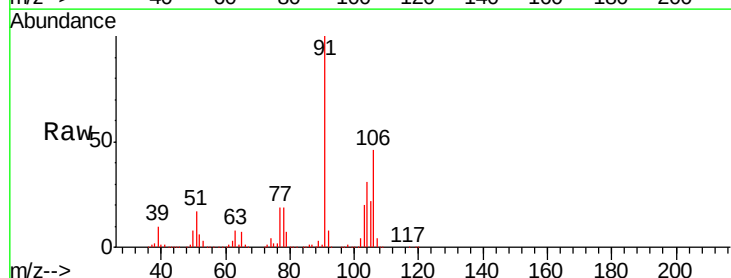
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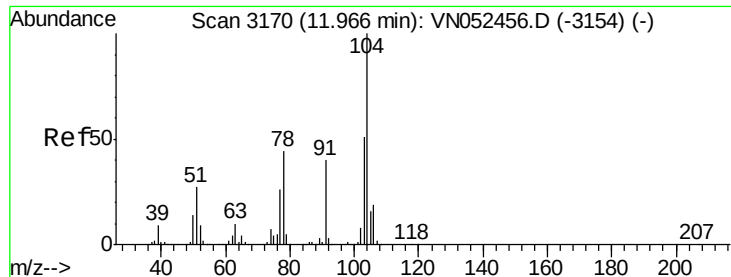
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#68
o-Xylene
Concen: 103.37 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion:106 Resp: 2018676
Ion Ratio Lower Upper
106 100
91 216.9 107.8 323.4





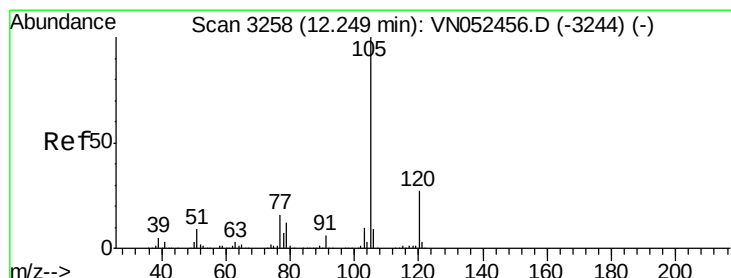
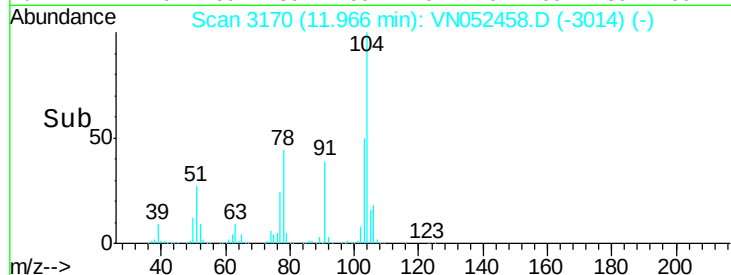
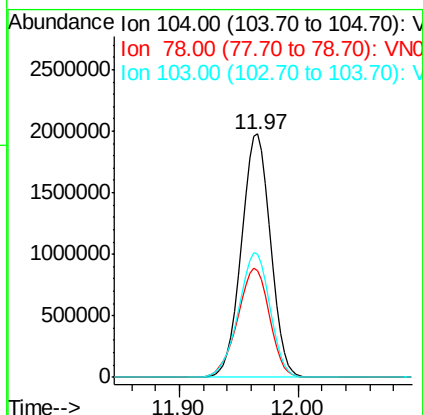
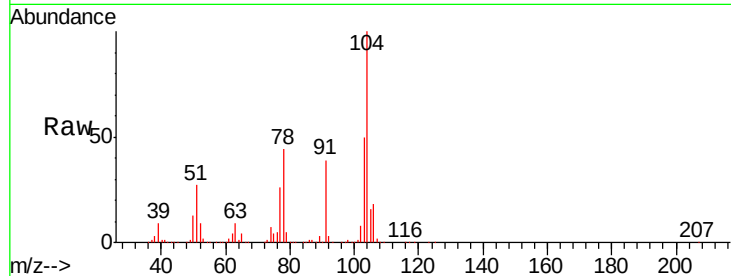
#69
Styrene
Concen: 106.17 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.3	58.9
103	55.4	44.6	66.8

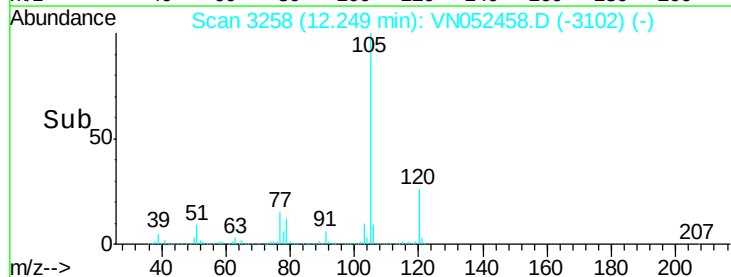
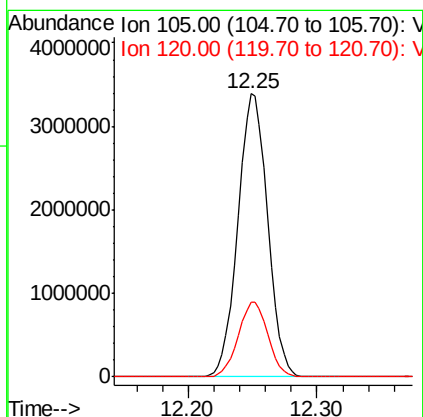
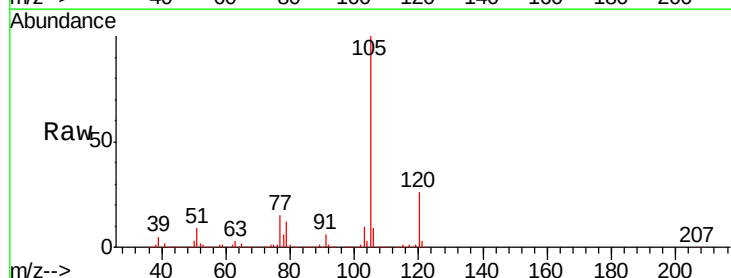
Manual Integrations
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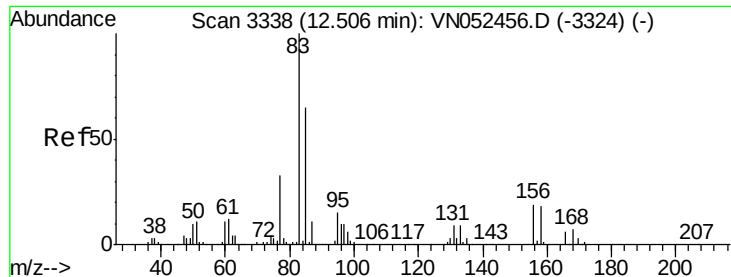
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#70
Isopropylbenzene
Concen: 104.12 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.6





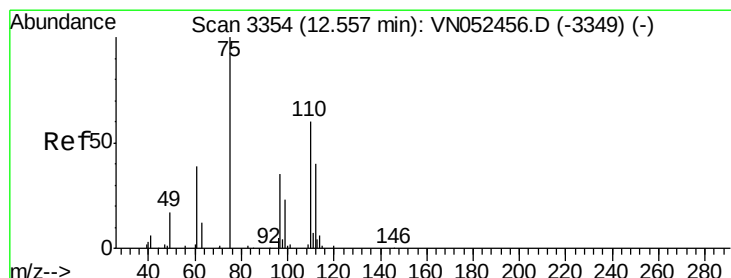
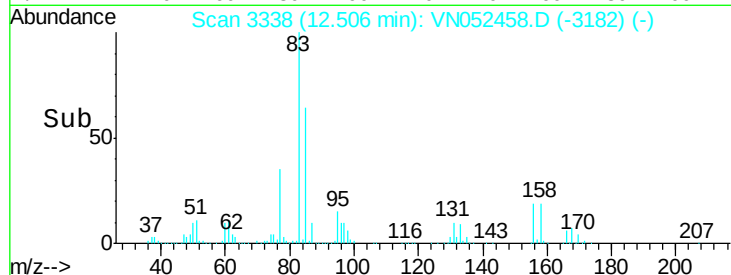
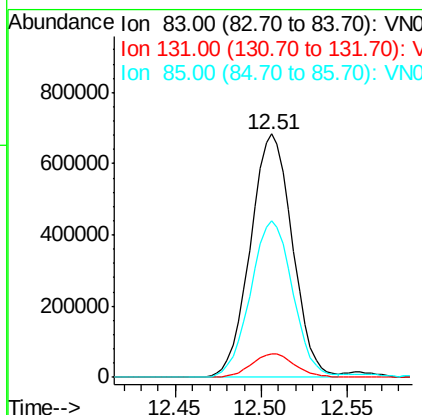
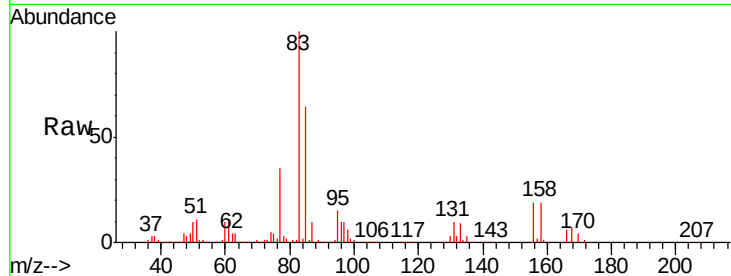
#71
 1,1,2,2-Tetrachloroethane
 Concen: 102.28 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.6
85	64.6	32.2	96.6

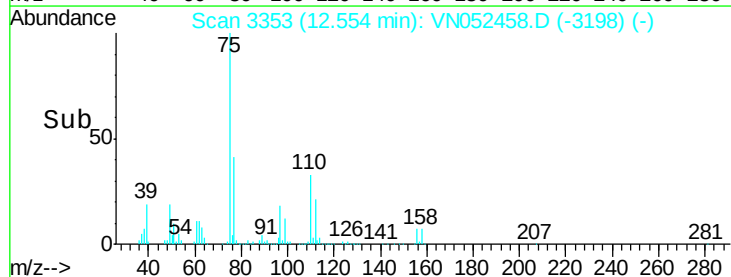
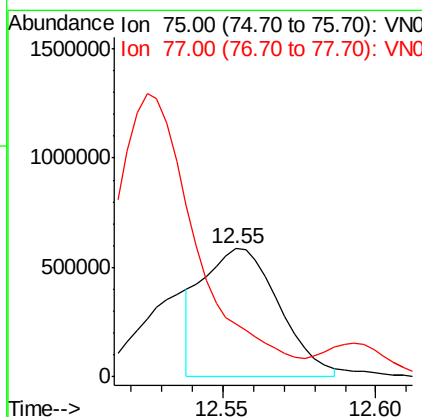
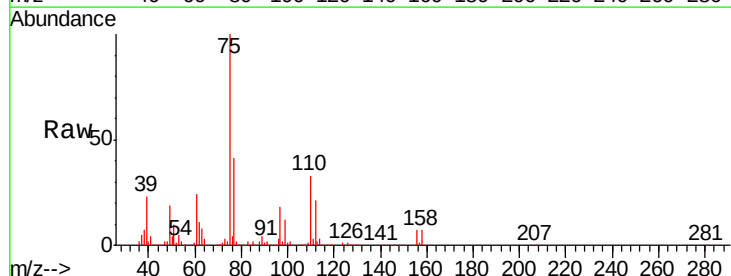
Manual Integrations
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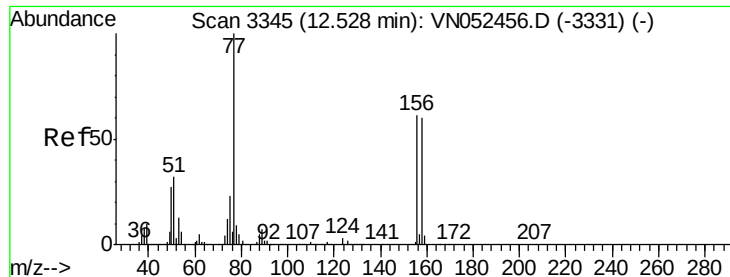
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#72
 1,2,3-Trichloropropane
 Concen: 107.07 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	245.8	0.0	514.8





#73

Bromobenzene

Concen: 105.45 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:156 Resp: 1325194

Ion Ratio Lower Upper

156 100

77 187.4 0.0 382.6

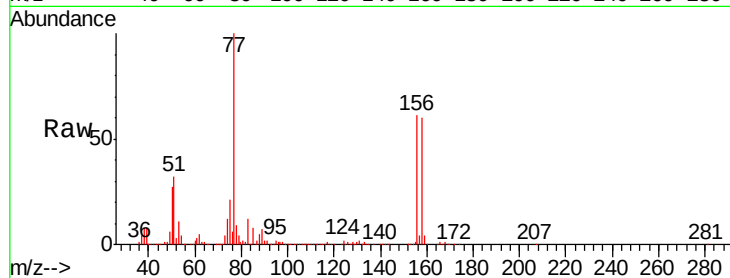
158 97.2 0.0 196.8

Manual Integrations

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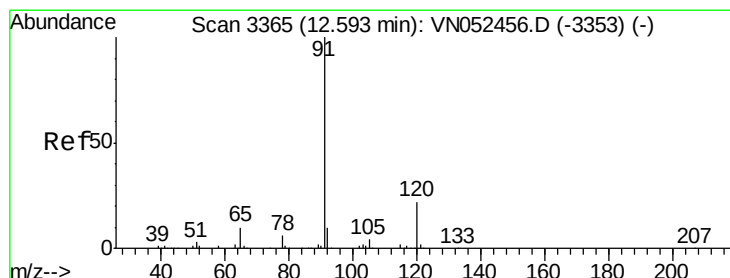
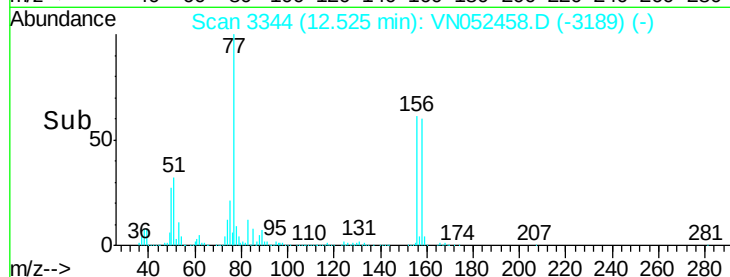
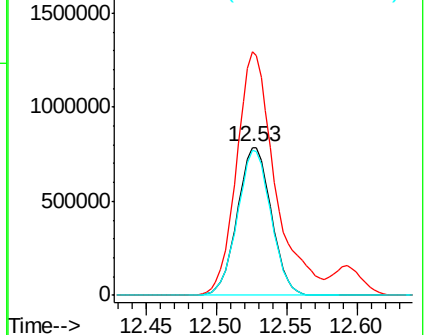
11/27/2018 3:52:11 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 104.90 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052458.D

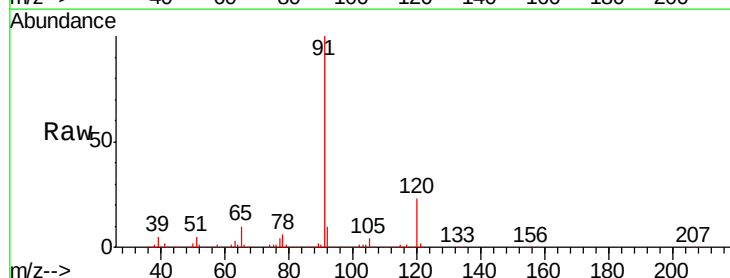
Acq: 26 Nov 2018 14:13

Tgt Ion: 91 Resp: 6350877

Ion Ratio Lower Upper

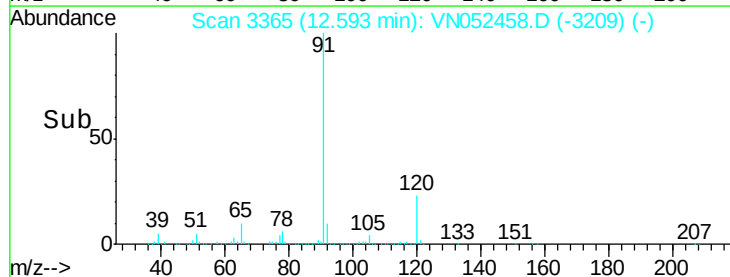
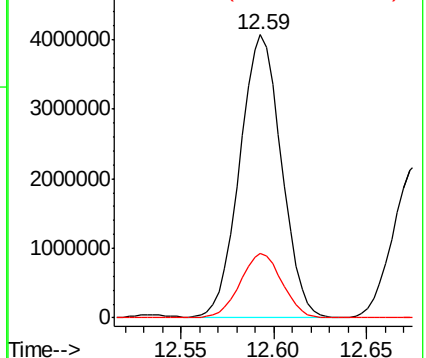
91 100

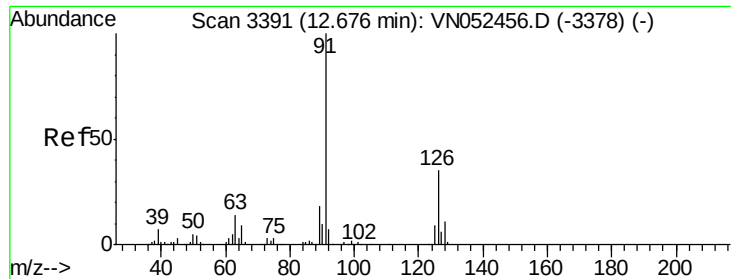
120 22.7 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 103.87 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 3650058

Ion Ratio Lower Upper

91 100

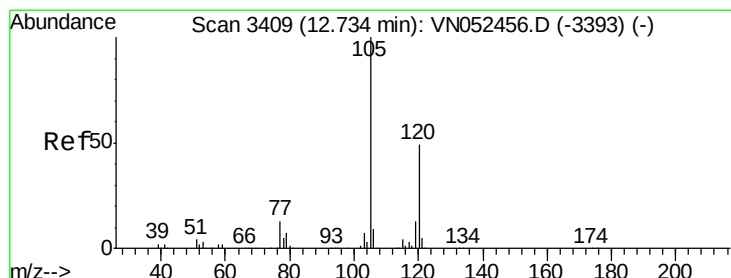
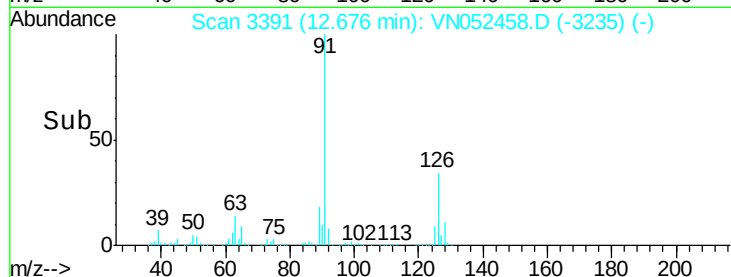
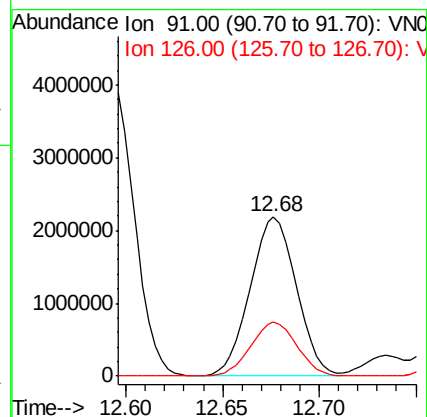
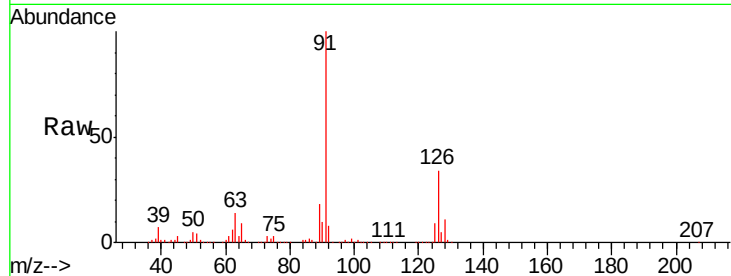
126 33.9 0.0 68.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 103.47 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052458.D

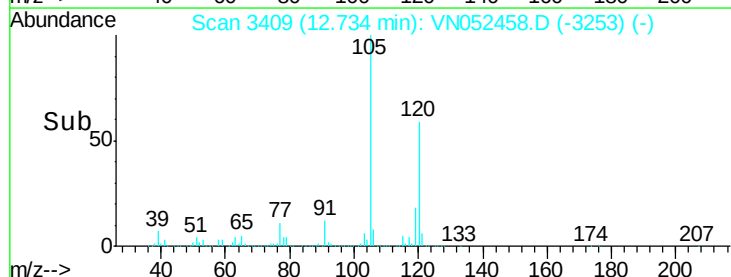
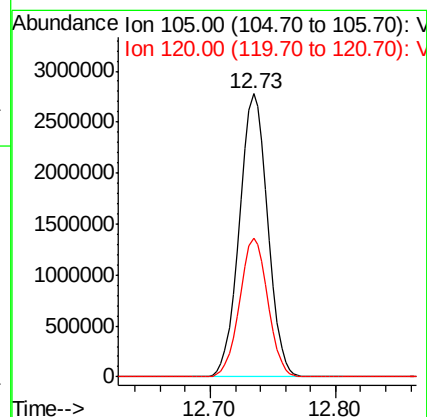
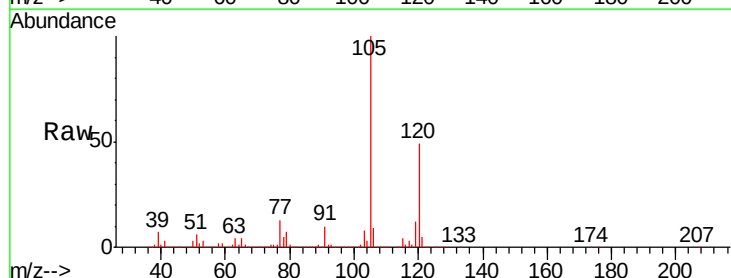
Acq: 26 Nov 2018 14:13

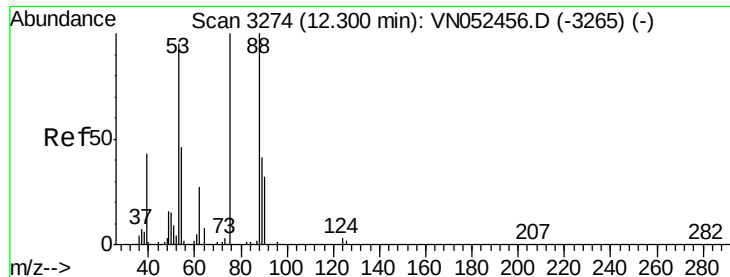
Tgt Ion: 105 Resp: 4342623

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 110.74 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 339442
Ion Ratio Lower Upper

75 100

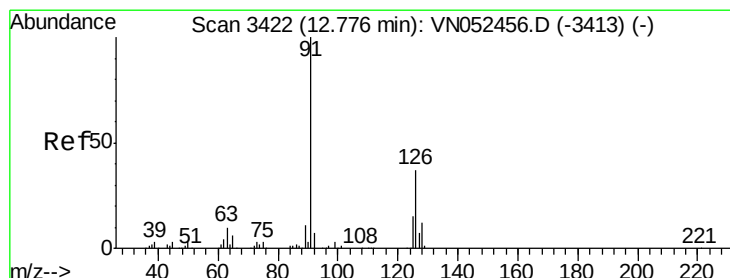
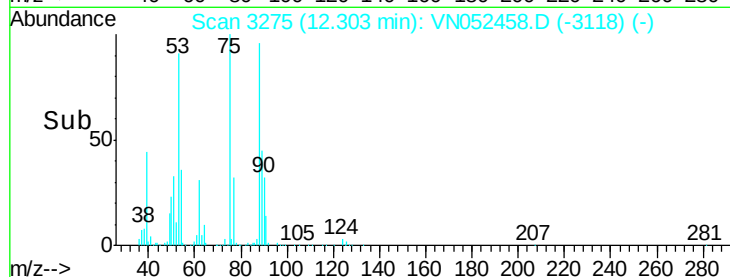
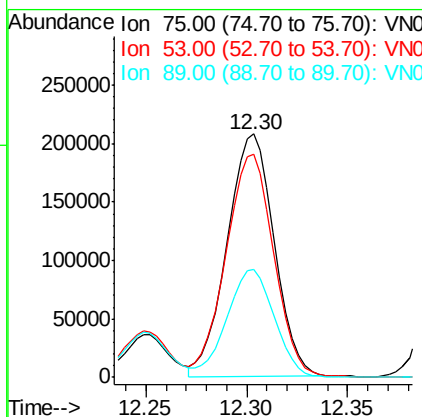
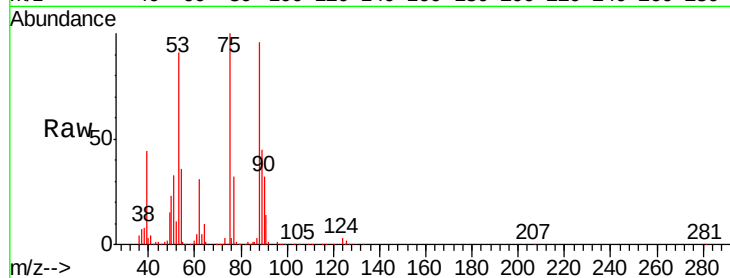
53 91.4 48.5 145.6

89 44.6 21.7 65.1

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#78

4-Chlorotoluene

Concen: 105.63 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

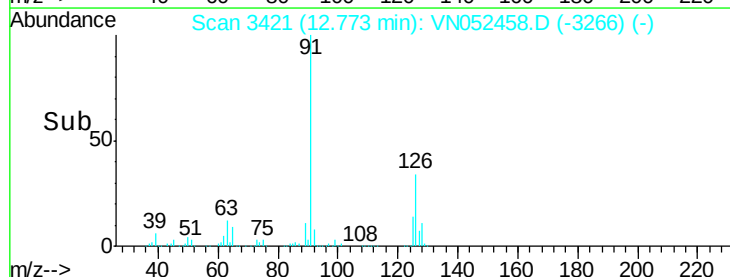
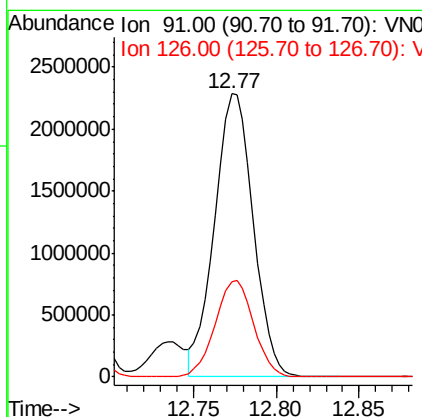
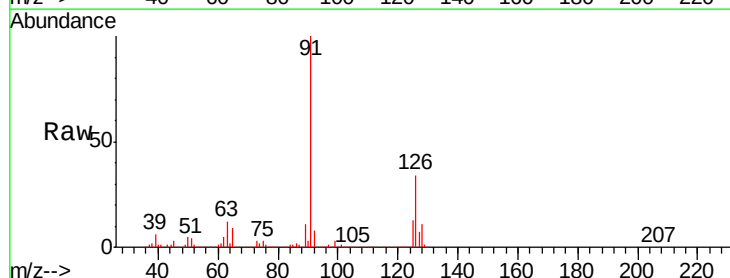
Lab File: VN052458.D

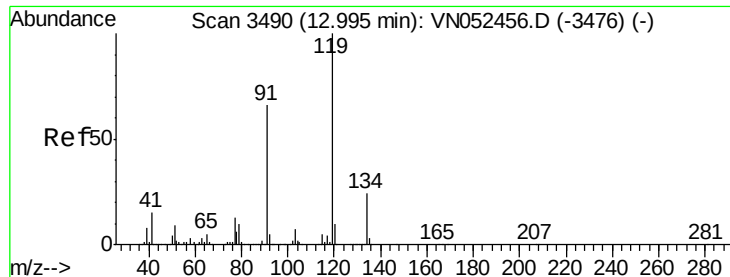
Acq: 26 Nov 2018 14:13

Tgt Ion: 91 Resp: 3706881
Ion Ratio Lower Upper

91 100

126 33.8 0.0 68.2





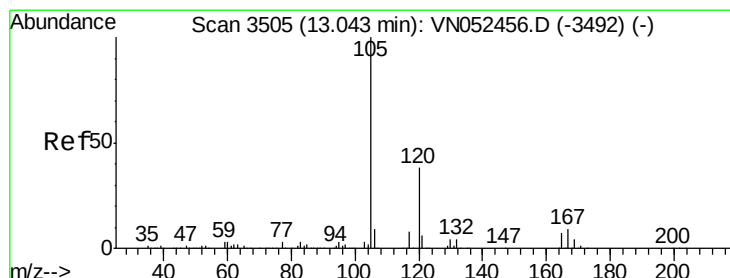
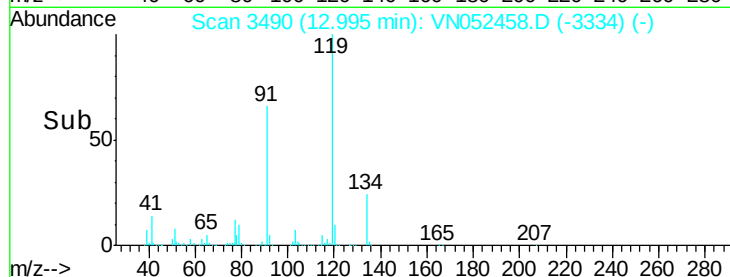
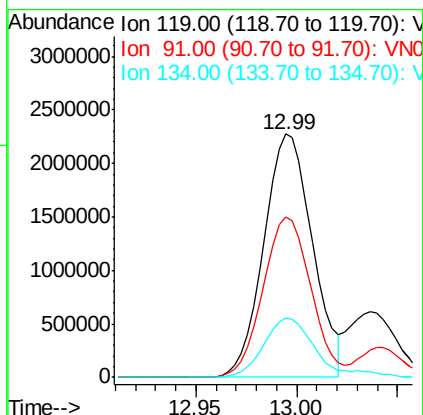
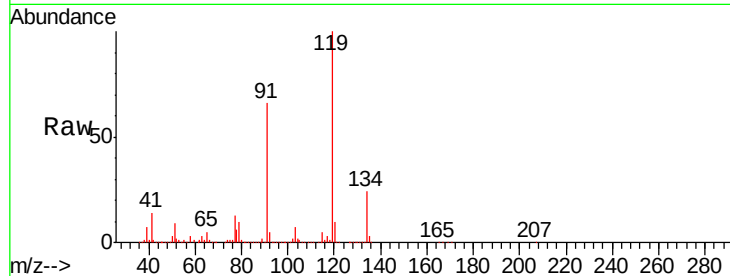
#79
tert-butylbenzene
Concen: 104.38 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.8	0.0	129.8
134	24.6	0.0	52.2

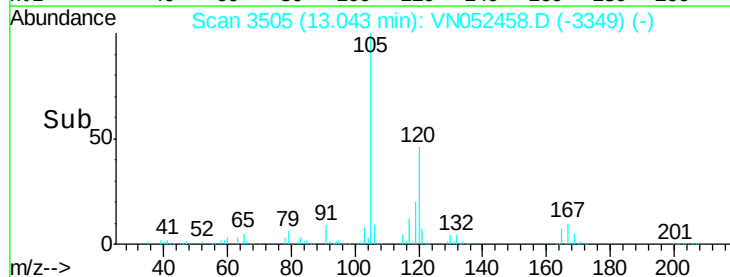
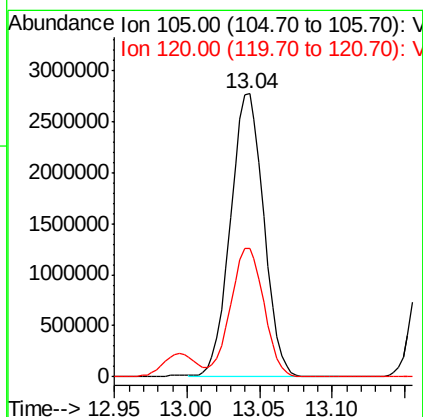
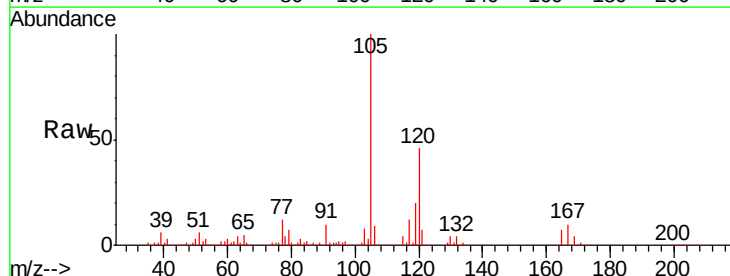
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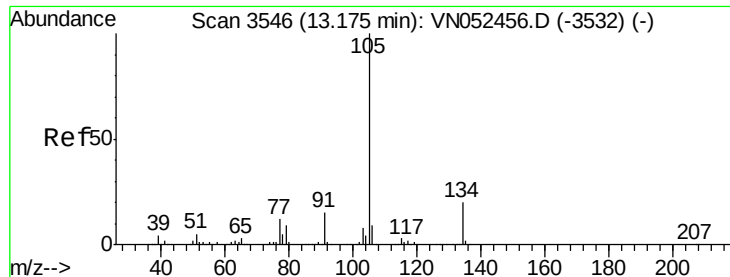
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#80
1,2,4-Trimethylbenzene
Concen: 105.16 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	0.0	91.0





#81

sec-Butylbenzene

Concen: 104.36 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:105 Resp: 5312927

Ion Ratio Lower Upper

105 100

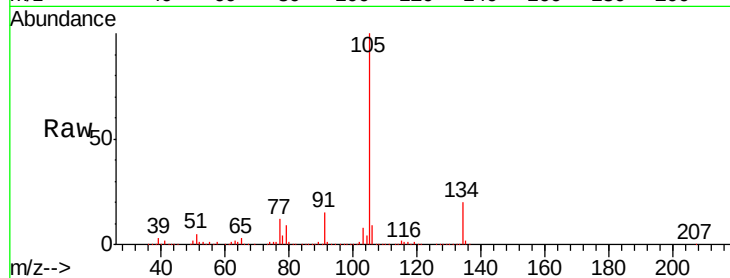
134 20.0 0.0 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

4000000

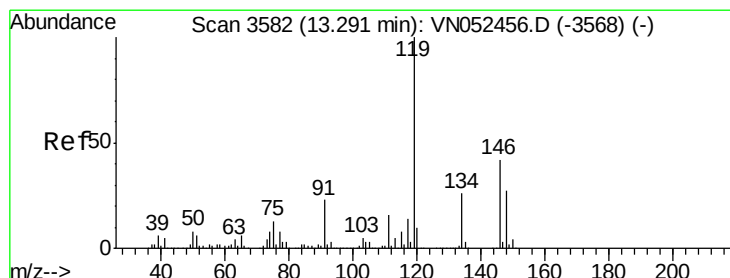
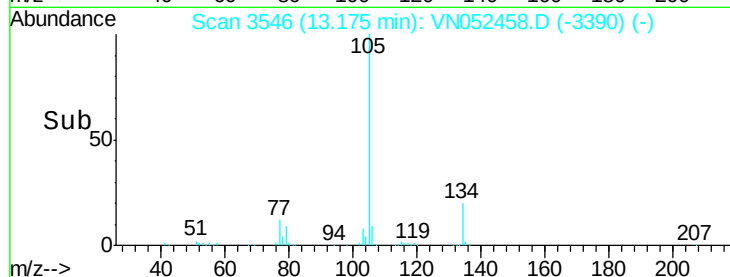
3000000

2000000

1000000

0

Time-->



#82

p-Isopropyltoluene

Concen: 105.94 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

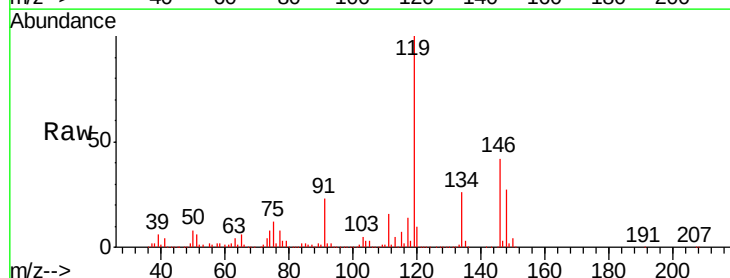
Tgt Ion:119 Resp: 4592538

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.6

91 22.7 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

4000000

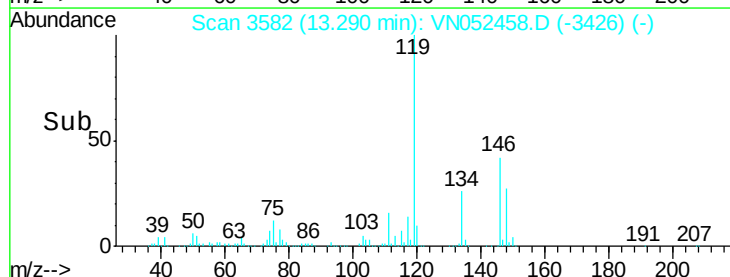
3000000

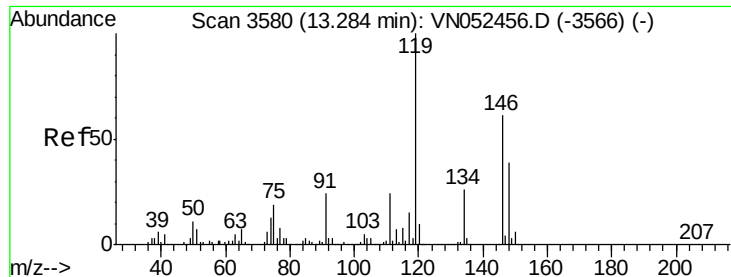
2000000

1000000

0

Time-->





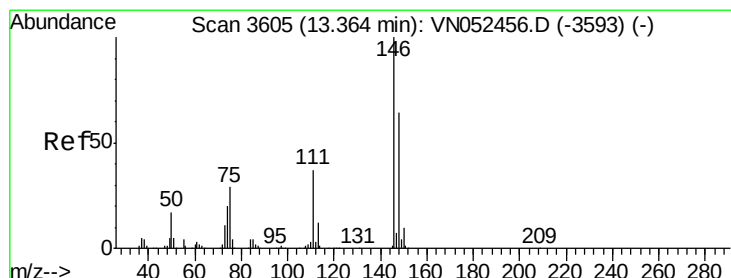
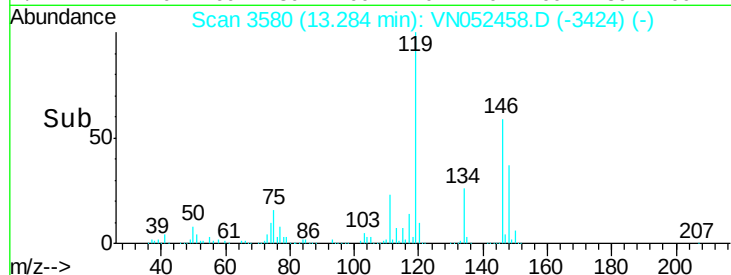
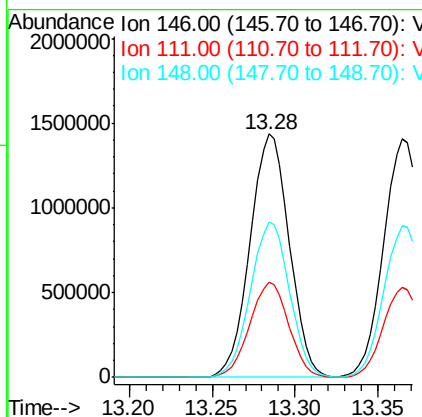
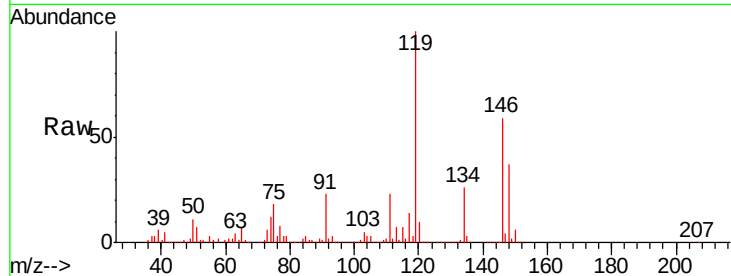
#83
 1,3-Dichlorobenzene
 Concen: 106.63 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 2356702
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.7 59.0
 148 63.8 32.3 96.8

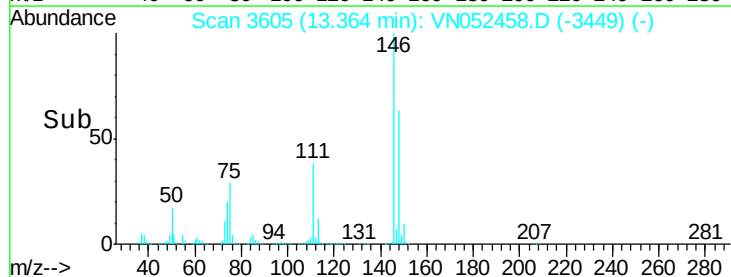
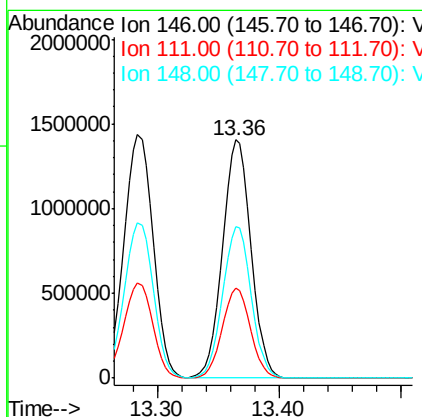
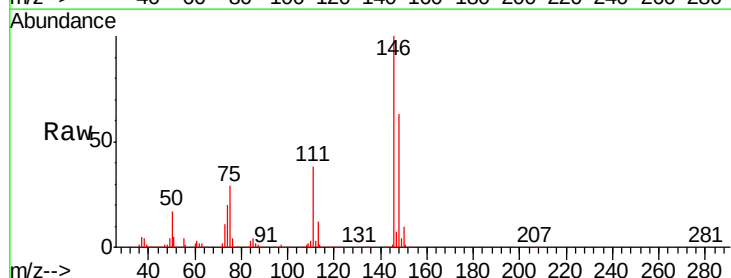
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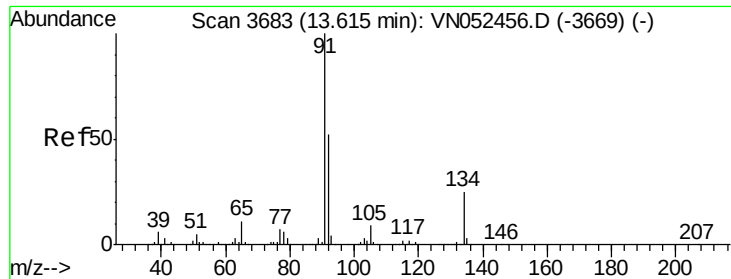
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#84
 1,4-Dichlorobenzene
 Concen: 107.87 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion:146 Resp: 2303577
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.8 56.3
 148 64.0 32.5 97.4





#85

n-Butylbenzene

Concen: 108.90 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052458.D

Acq: 26 Nov 2018 14:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 4055236

Ion Ratio Lower Upper

91 100

92 52.4 0.0 104.2

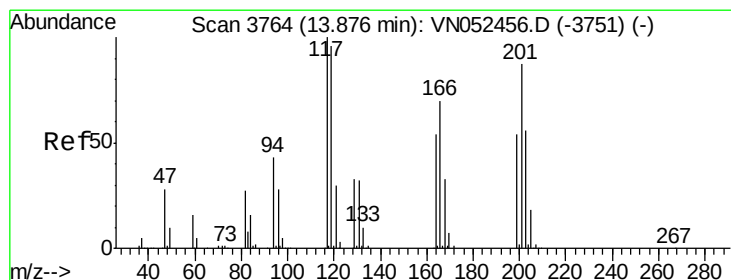
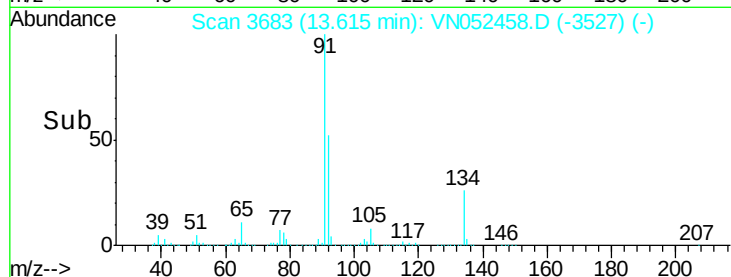
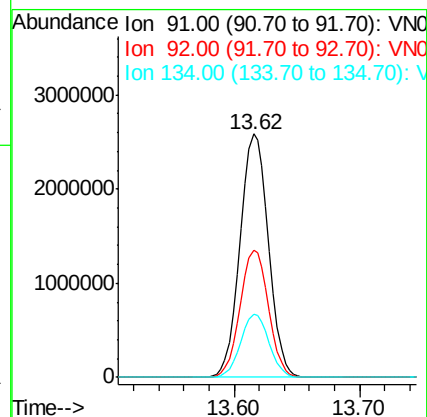
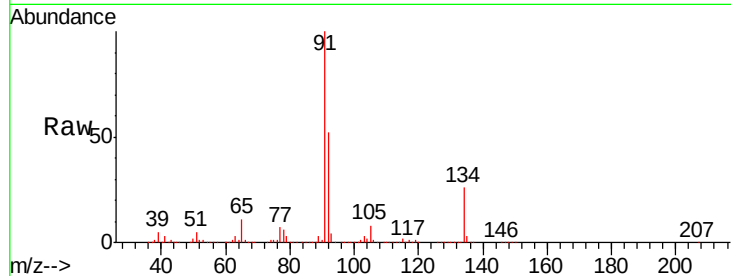
134 25.9 0.0 50.6

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#86

Hexachloroethane

Concen: 106.51 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052458.D

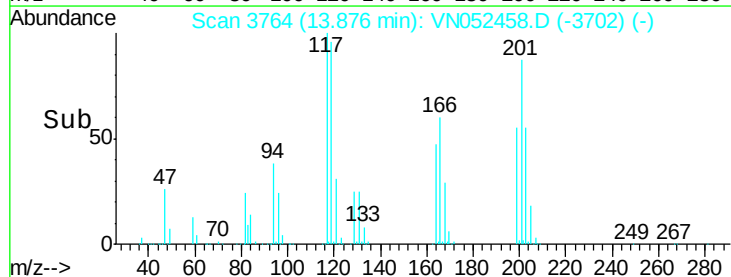
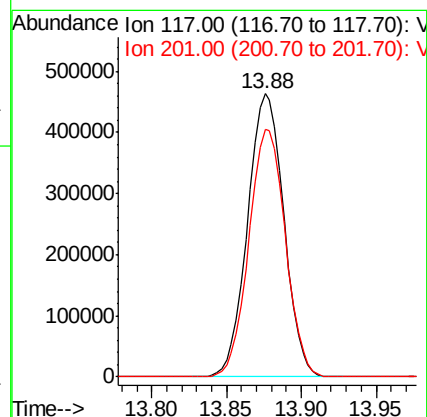
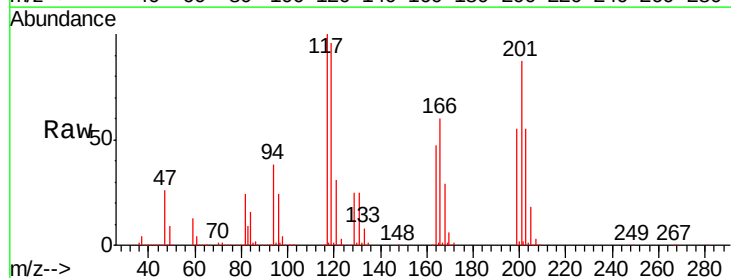
Acq: 26 Nov 2018 14:13

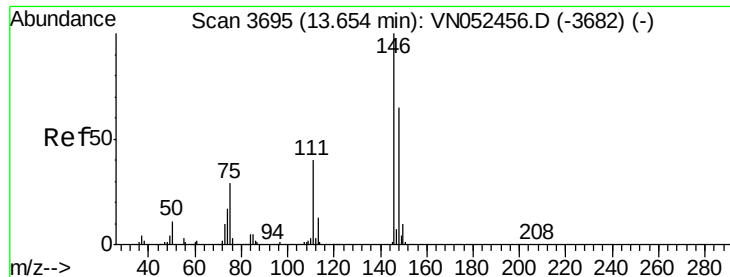
Tgt Ion: 117 Resp: 782363

Ion Ratio Lower Upper

117 100

201 87.9 43.8 131.3





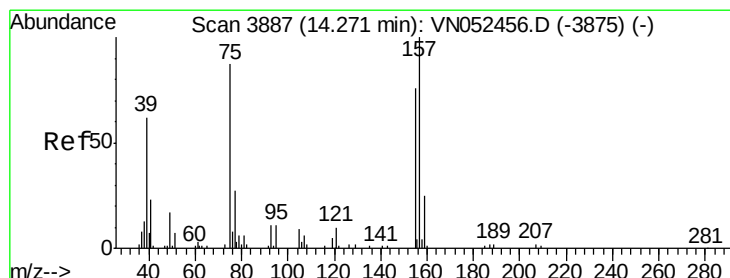
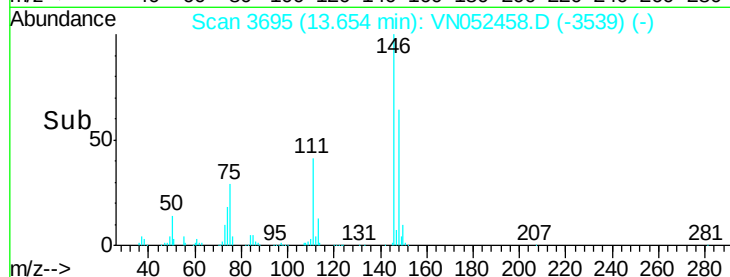
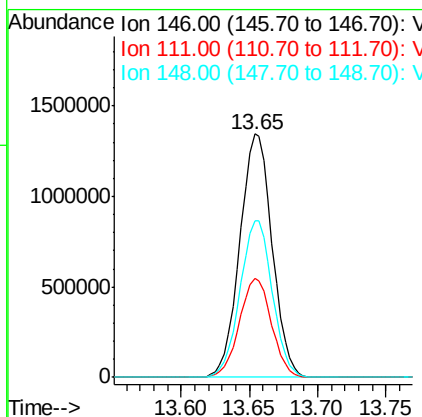
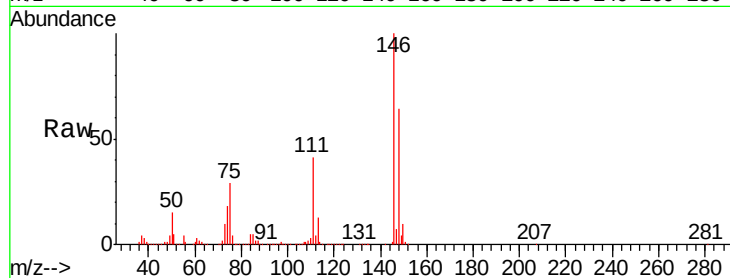
#87
 1,2-Dichlorobenzene
 Concen: 105.00 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.8
148	64.4	32.1	96.5

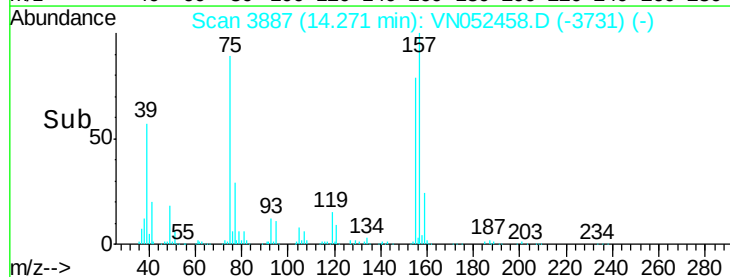
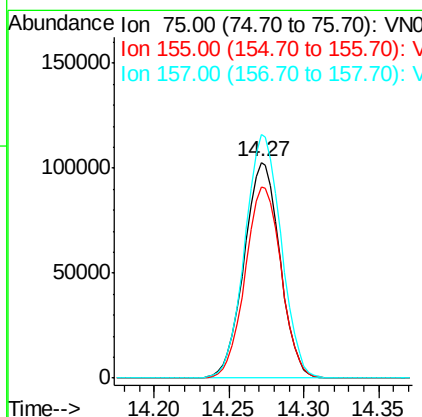
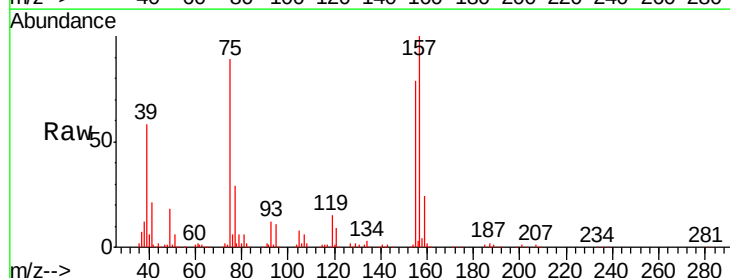
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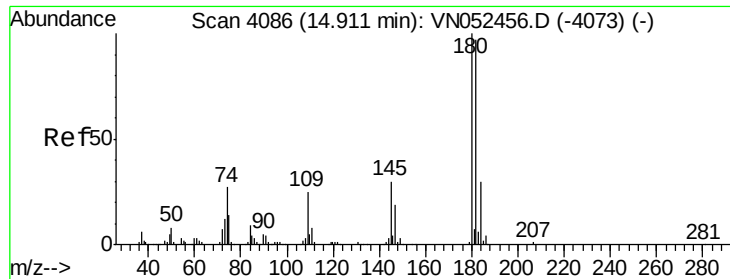
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 108.26 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	72.2	108.2
157	114.2	94.2	141.2





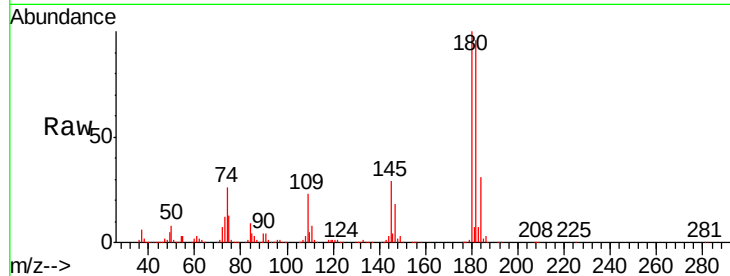
#89
 1,2,4-Trichlorobenzene
 Concen: 116.48 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

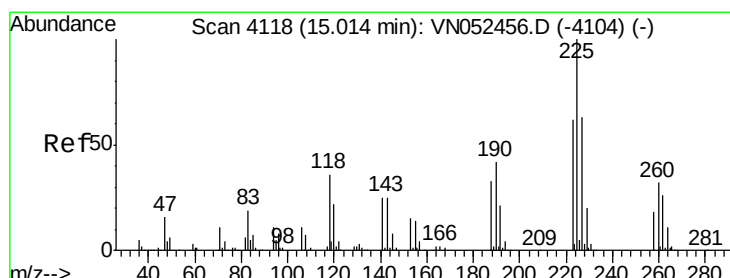
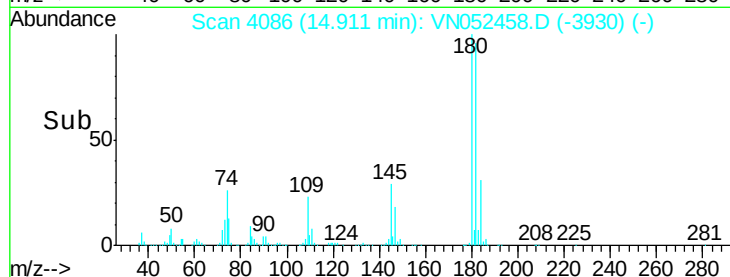
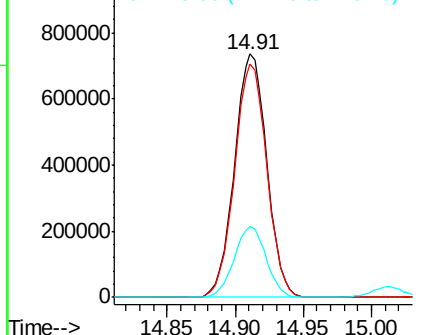
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	28.8	23.6	35.4

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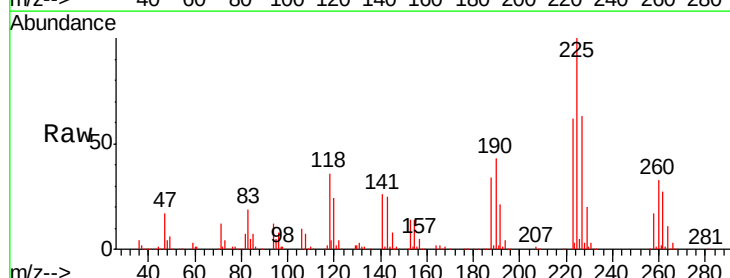


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

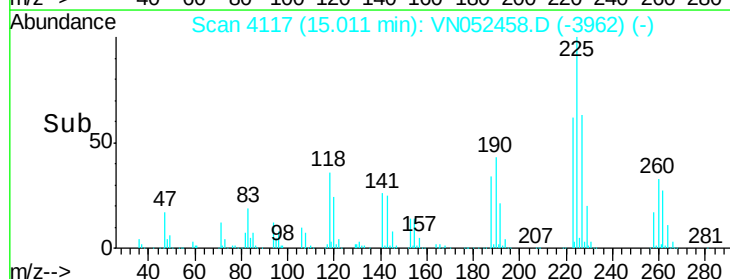
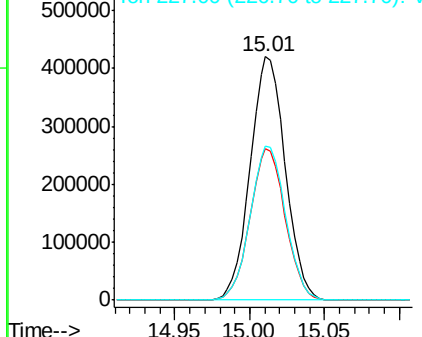


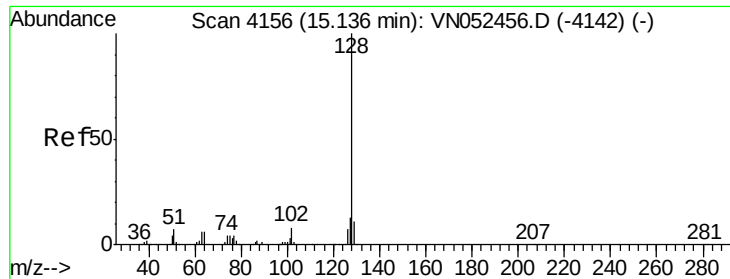
#90
 Hexachlorobutadiene
 Concen: 100.86 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052458.D
 Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	125.6
227	63.9	0.0	127.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





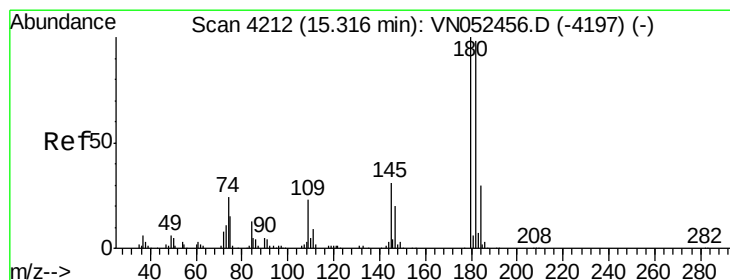
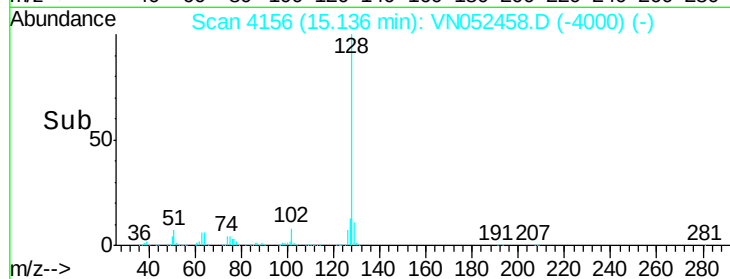
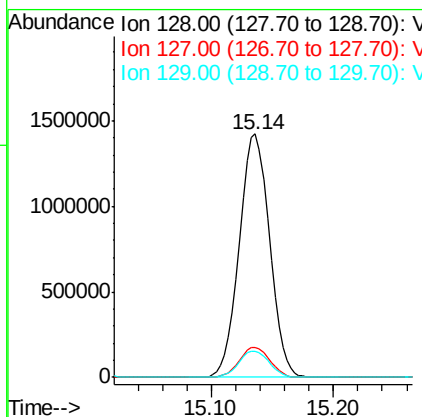
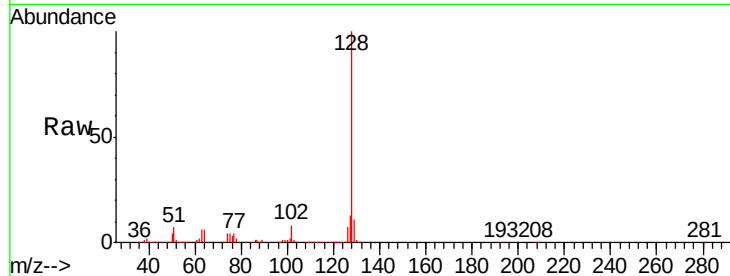
#91
Naphthalene
Concen: 116.62 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	10.9	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 112.70 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052458.D
Acq: 26 Nov 2018 14:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	196.2
145	30.4	0.0	62.2

