

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052460.D
 Acq On : 26 Nov 2018 15:42
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:12 PM

Quant Time: Nov 27 01:02:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	171167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1012723	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	879745	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	348477	29.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.60%
60) 4-Bromofluorobenzene	12.40	95	402578	29.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.77%
63) Toluene-d8	10.09	98	1238556	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199909	20.51	ug/l	99
3) Chloromethane	2.06	50	262606	20.31	ug/l	99
4) Vinyl Chloride	2.19	62	267026	20.46	ug/l	97
5) Bromomethane	2.57	94	168883	22.70	ug/l	98
6) Chloroethane	2.71	64	161396	20.80	ug/l	100
7) Trichlorofluoromethane	3.02	101	334525	20.77	ug/l	97
8) Diethyl Ether	3.41	74	122103	20.53	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	211410	20.71	ug/l	97
10) 1,1-Dichloroethene	3.74	96	199521	20.79	ug/l	99
11) Methyl Iodide	3.96	142	236342	17.73	ug/l	99
12) Methyl Acetate	4.33	43	161172	19.76	ug/l	99
13) Acrolein	3.61	56	86191	89.97	ug/l	99
14) Acrylonitrile	4.98	53	339609	97.73	ug/l	99
15) Acetone	3.82	58	81895	91.00	ug/l	96
16) Carbon Disulfide	4.06	76	625759	20.59	ug/l	99
17) Allyl chloride	4.33	41	345627	20.65	ug/l	99
18) Methylene Chloride	4.55	84	228519	20.56	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	214606	20.78	ug/l	97
20) Diisopropyl ether	5.95	45	715976	20.35	ug/l	98
21) 1,1-Dichloroethane	5.85	63	413867	20.64	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	238923	20.18	ug/l	97
23) tert-Butyl Alcohol	4.78	59	40354	78.06	ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	510021	20.25	ug/l	98
25) Chloroform	7.37	83	397240	20.54	ug/l	99
26) Cyclohexane	7.65	56	393611	20.81	ug/l #	100
29) 1,1-Dichloropropene	7.79	75	315932	20.43	ug/l	100
30) 2-Butanone	6.83	43	380346	91.91	ug/l	100
31) 2,2-Dichloropropane	6.82	77	287883	20.22	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	318799	19.81	ug/l	98
33) Carbon Tetrachloride	7.77	117	283998	20.17	ug/l	98
34) Benzene	8.04	78	937216	20.16	ug/l	99
35) Methacrylonitrile	7.17	41	93856	18.28	ug/l	97
36) 1,2-Dichloroethane	8.12	62	277401	19.69	ug/l #	74
37) Trichloroethene	8.83	130	236293	20.04	ug/l	98
38) Methylcyclohexane	9.08	83	397444	20.76	ug/l	98
39) 1,2-Dichloropropane	9.12	63	247208	19.83	ug/l	96
40) Dibromomethane	9.21	93	135731	20.15	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	291871	19.61	ug/l	98
42) Vinyl Acetate	5.89	43	2196265	98.09	ug/l	99
43) Ethyl Acetate	6.93	43	167675	19.05	ug/l #	87
44) Isopropyl Acetate	8.16	43	299913	19.43	ug/l	99
45) 1,4-Dioxane	9.20	88	25154	297.94	ug/l	92
46) Methyl methacrylate	9.20	41	154573	19.29	ug/l	98
47) n-amyl Acetate	12.07	43	240677	18.81	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	282296	19.56	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	346950	19.74	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	187350	19.62	ug/l	99
51) Ethyl methacrylate	10.43	69	232648	19.40	ug/l	95
52) 1,3-Dichloropropane	10.71	76	328775	19.35	ug/l	100
53) Dibromochloromethane	10.90	129	204118	19.42	ug/l	95
54) 1,2-Dibromoethane	11.01	107	185837	19.92	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	674184	96.05	ug/l	100
56) Bromoform	12.13	173	131258	19.10	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	821313	96.30	ug/l	99
59) 2-Hexanone	10.75	43	553155	94.94	ug/l	99
61) Tetrachloroethene	10.63	164	223790	20.65	ug/l	98
62) Toluene	10.16	91	982532	20.26	ug/l	99
64) Chlorobenzene	11.43	112	607010	20.51	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	206459	20.09	ug/l	99
66) Ethyl Benzene	11.51	91	1062380	20.33	ug/l	99
67) m/p-Xylenes	11.62	106	806476	41.41	ug/l	98
68) o-Xylene	11.95	106	385151	20.38	ug/l	98
69) Styrene	11.96	104	621682	20.38	ug/l	100
70) Isopropylbenzene	12.25	105	1042972	20.74	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	214022	19.56	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	169859m	18.09	ug/l	
73) Bromobenzene	12.53	156	249327	20.50	ug/l	98
74) n-propylbenzene	12.59	91	1213377	20.71	ug/l	99
75) 2-Chlorotoluene	12.68	91	705534	20.74	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	856901	21.10	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55977	18.87	ug/l	97
78) 4-Chlorotoluene	12.77	91	700830	20.63	ug/l	100
79) tert-butylbenzene	12.99	119	745396	21.07	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	852276	20.97	ug/l	99
81) sec-Butylbenzene	13.17	105	1033562	20.98	ug/l	100
82) p-Isopropyltoluene	13.29	119	882710	21.04	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	448102	20.95	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	430491	20.83	ug/l	99
85) n-Butylbenzene	13.62	91	752176	20.87	ug/l	100
86) Hexachloroethane	13.88	117	144395	20.31	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	422123	20.74	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30017	19.59	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	208419	20.78	ug/l	98
90) Hexachlorobutadiene	15.01	225	156698	23.82	ug/l	100
91) Naphthalene	15.14	128	418795	20.68	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	194969	21.10	ug/l	97

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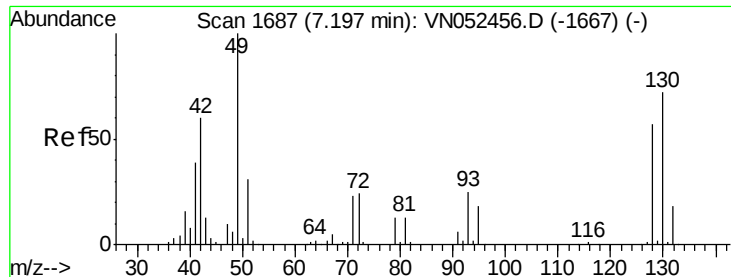
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

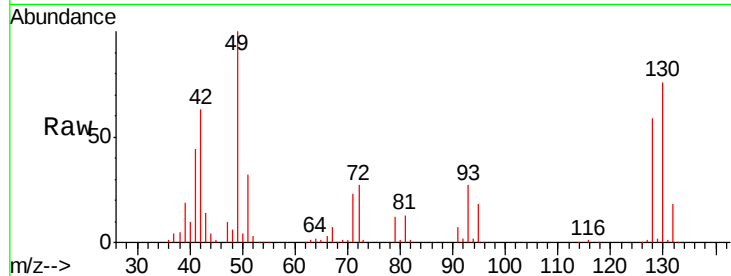
ClientSampleId :

ICVVN112618

Tgt Ion:	128	Resp:	171167
Ion	Ratio	Lower	Upper
128	100		
49	171.9	0.0	431.8
130	128.0	0.0	317.0

Manual Integrations
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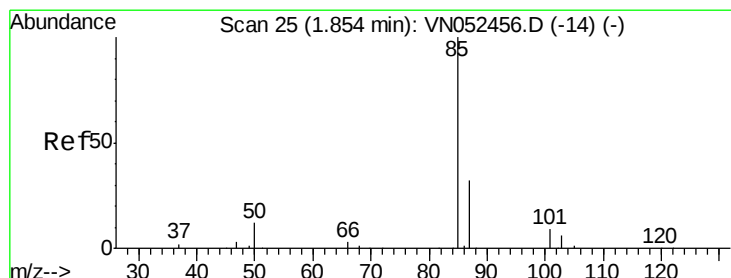
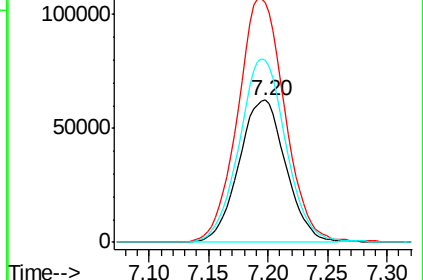
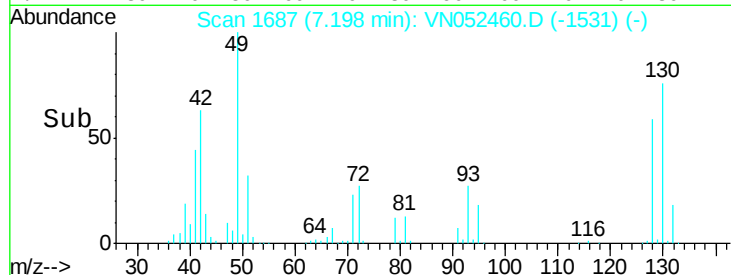
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.51 ug/l

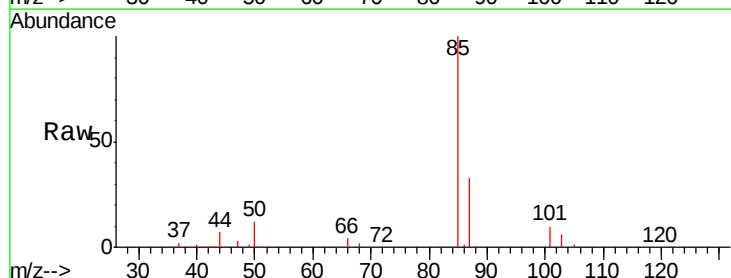
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052460.D

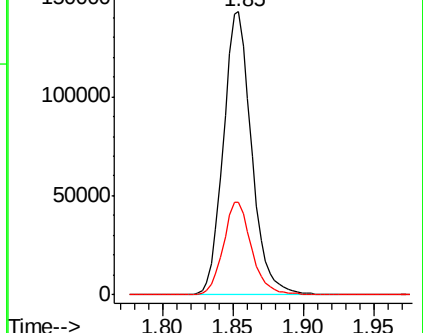
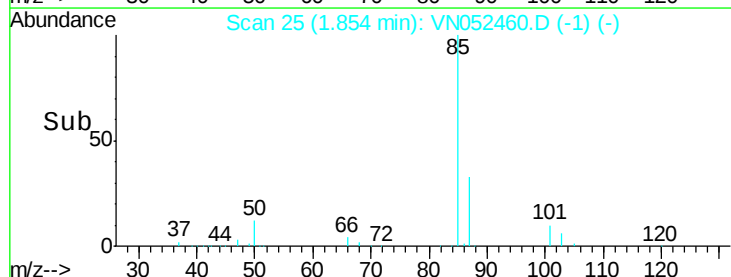
Acq: 26 Nov 2018 15:42

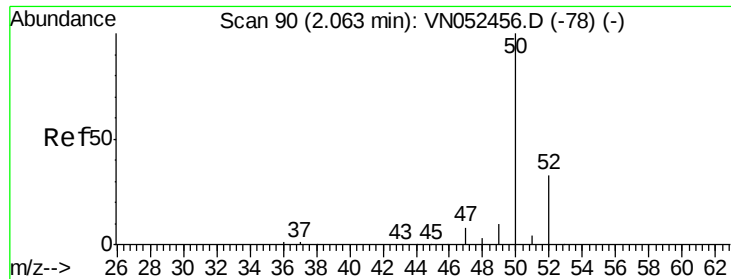
Tgt Ion:	85	Resp:	199909
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 20.31 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion: 50 Resp: 262606

Ion Ratio Lower Upper

50 100

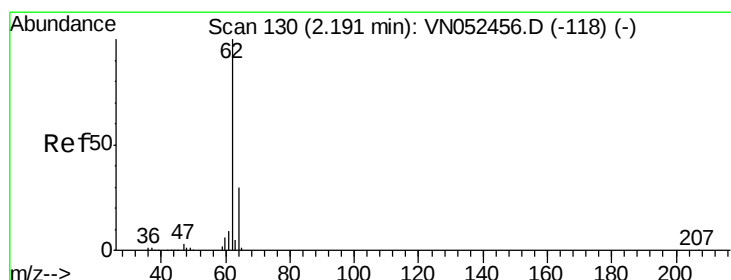
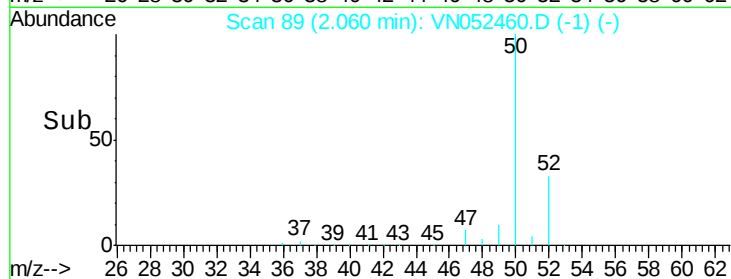
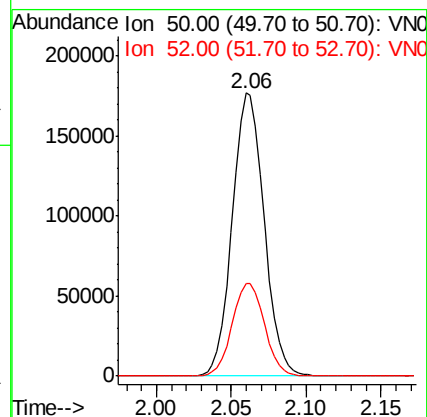
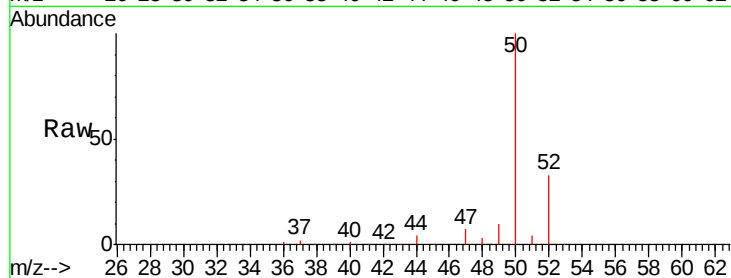
52 32.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.46 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052460.D

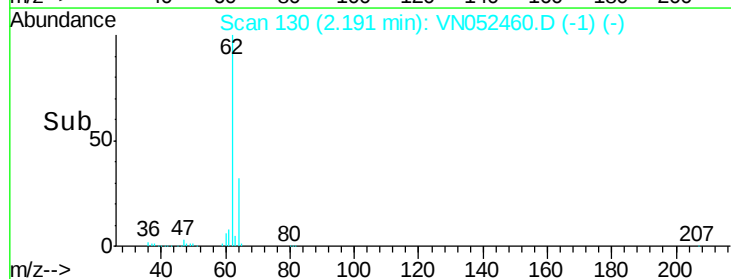
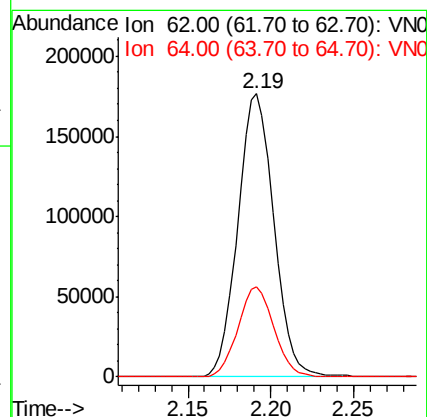
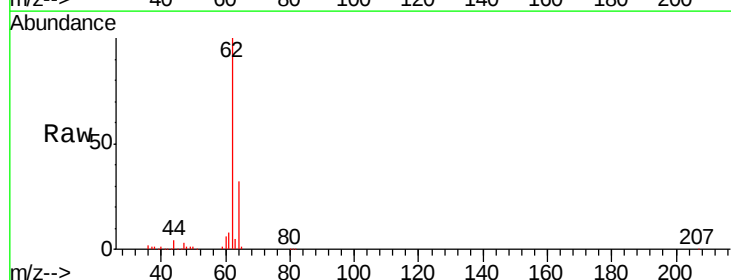
Acq: 26 Nov 2018 15:42

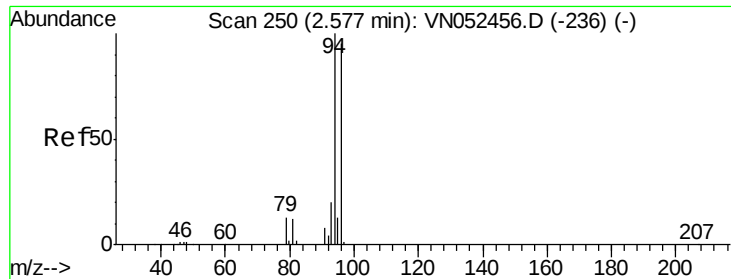
Tgt Ion: 62 Resp: 267026

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 22.70 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

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ClientSampleId :

ICVVN112618

Tgt Ion: 94 Resp: 168883

Ion Ratio Lower Upper

94 100

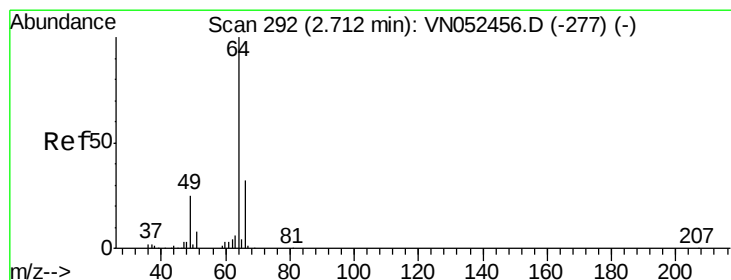
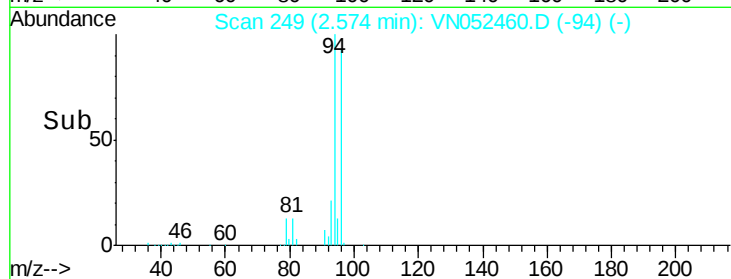
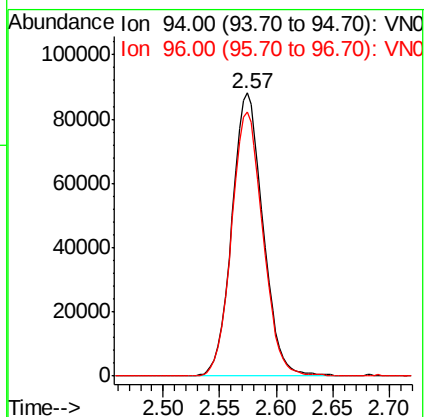
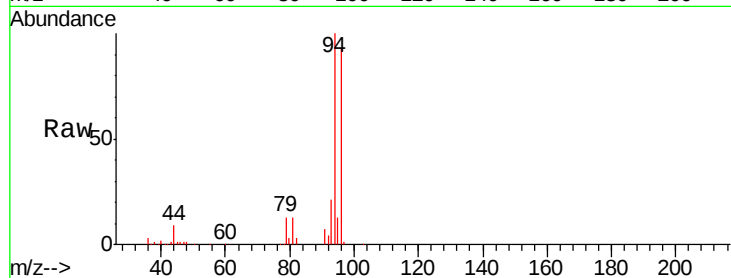
96 93.5 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 20.80 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052460.D

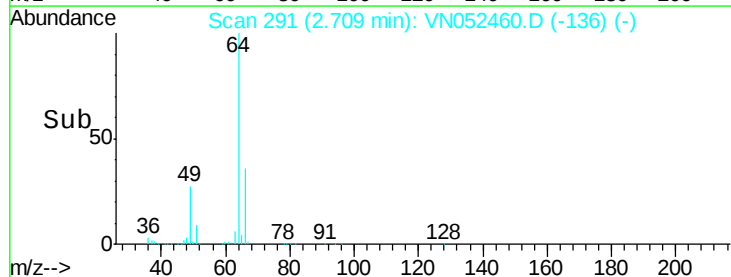
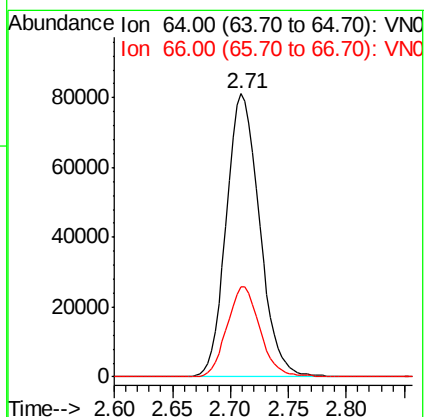
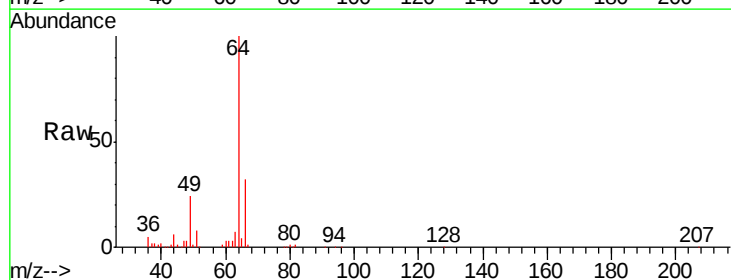
Acq: 26 Nov 2018 15:42

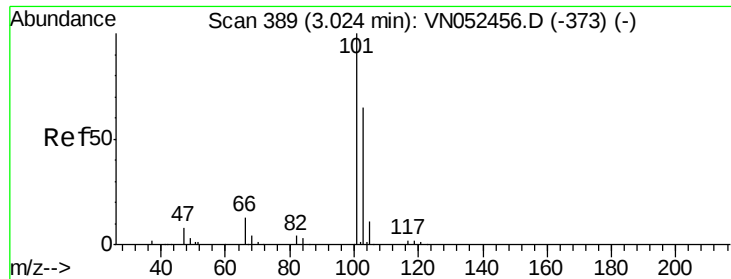
Tgt Ion: 64 Resp: 161396

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#7

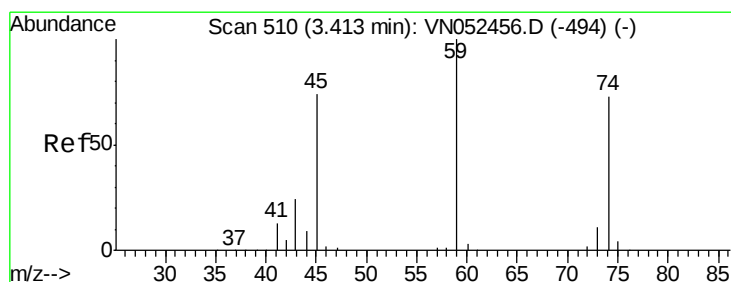
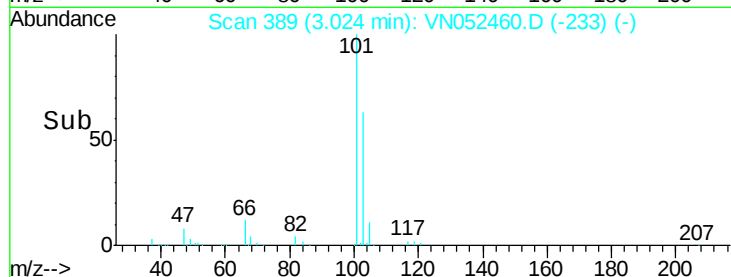
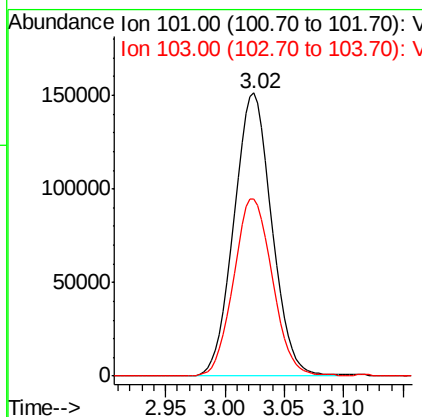
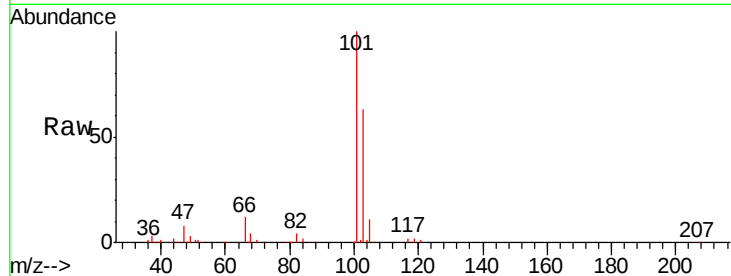
Trichlorofluoromethane
 Concen: 20.77 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.1	78.1

Manual Integrations
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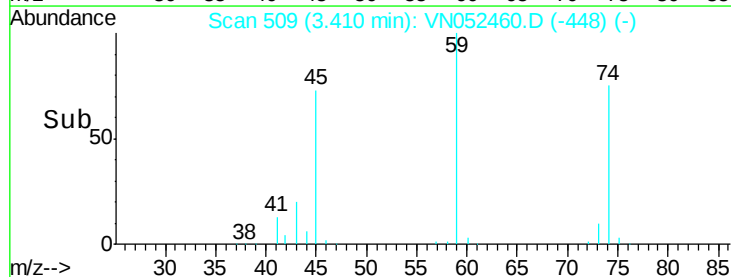
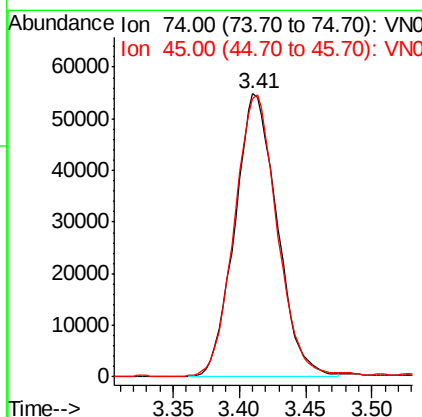
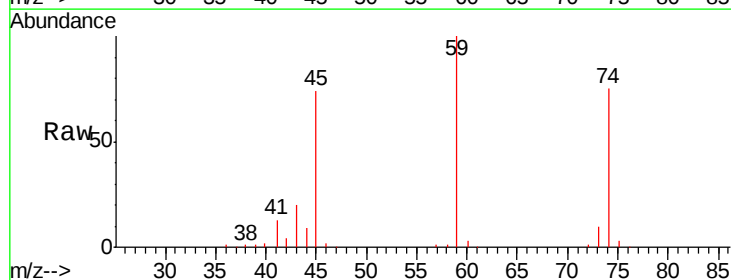
MMDadoda
 11/27/2018 3:52:12 PM

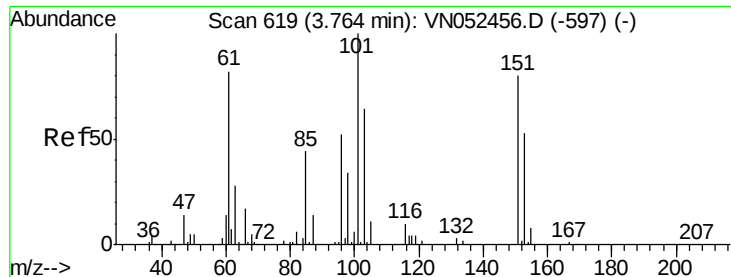


#8

Diethyl Ether
 Concen: 20.53 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.71 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

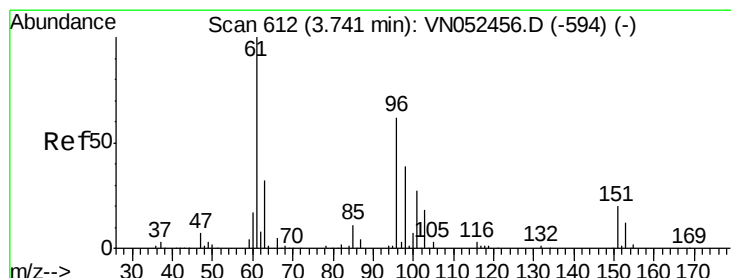
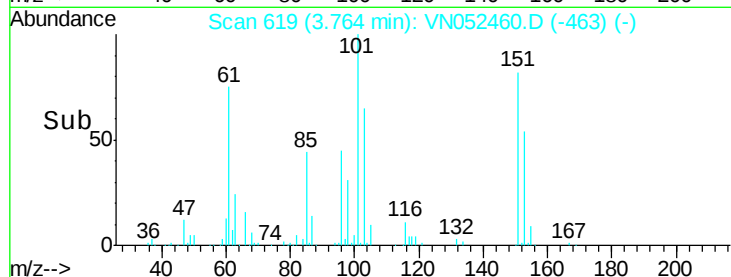
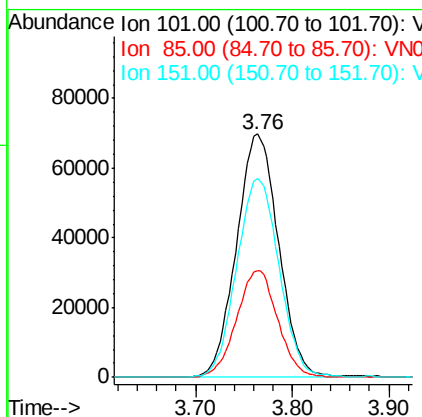
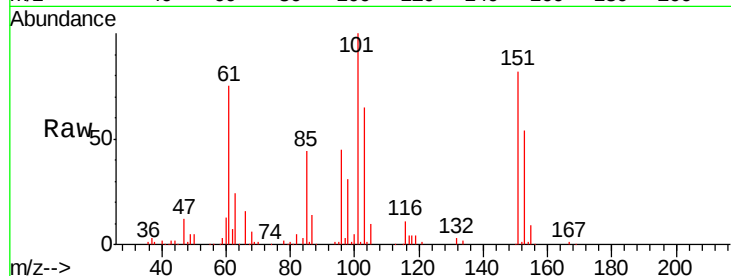
ClientSampleId :

ICVVN112618

Tgt Ion:	101	Resp:	211410
Ion Ratio	Lower	Upper	
101	100		
85	42.7	0.0	82.6
151	82.5	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 20.79 ug/l

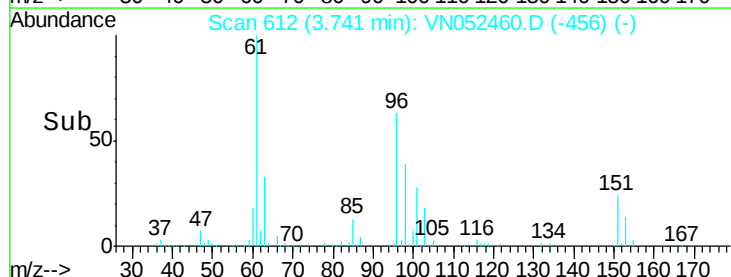
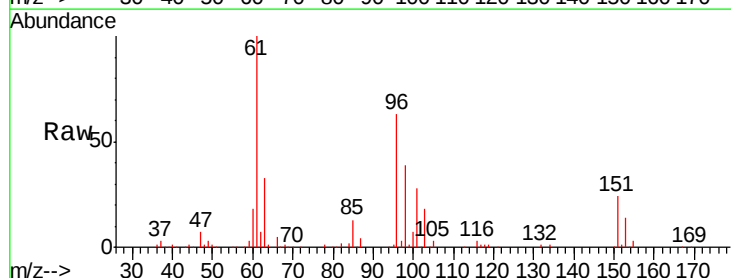
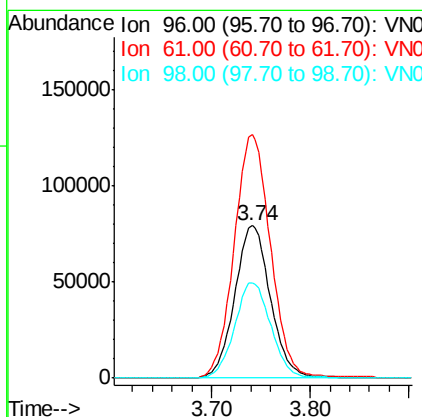
RT: 3.74 min Scan# 612

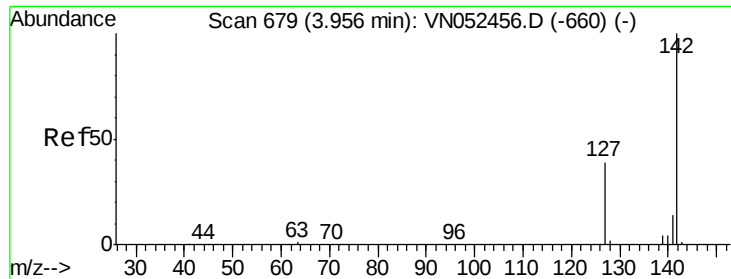
Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Tgt Ion:	96	Resp:	199521
Ion Ratio	Lower	Upper	
96	100		
61	159.5	129.4	194.2
98	62.6	50.4	75.6





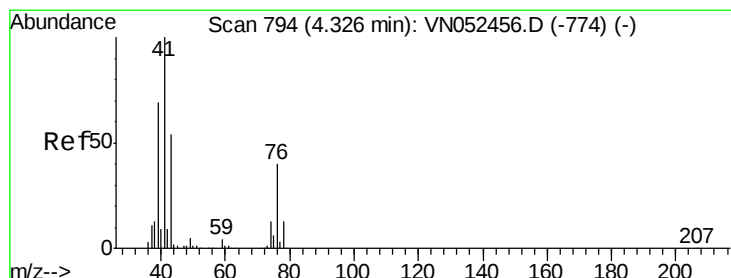
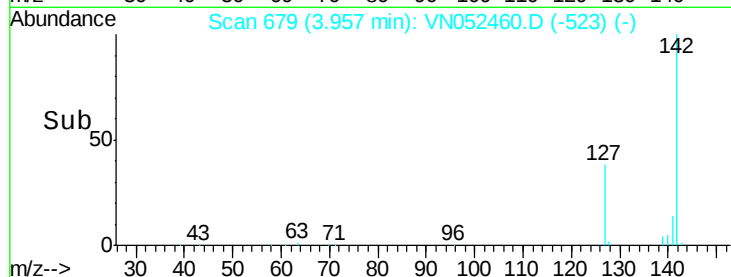
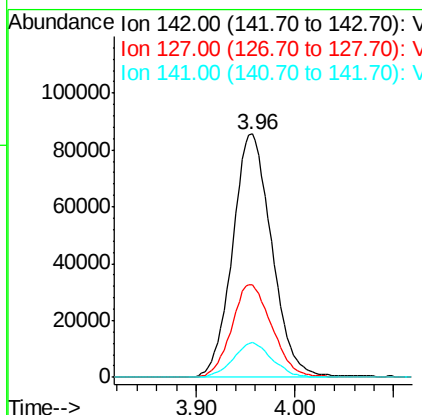
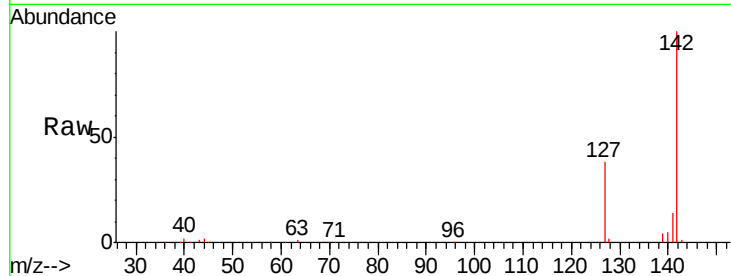
#11
Methyl Iodide
Concen: 17.73 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.8	19.4	58.1
141	14.3	7.2	21.6

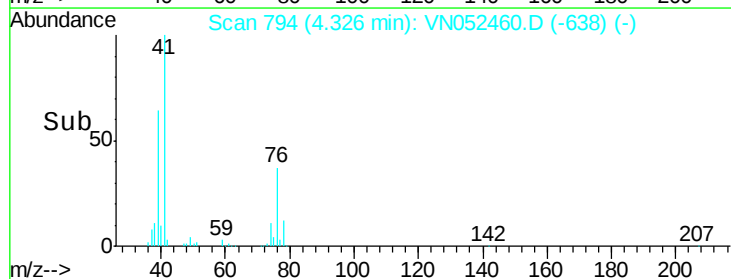
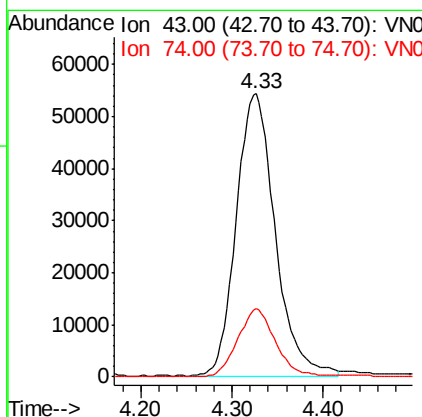
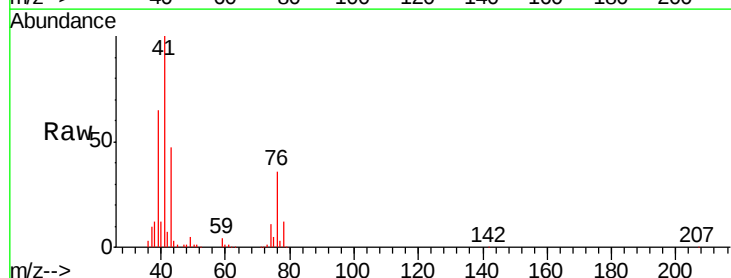
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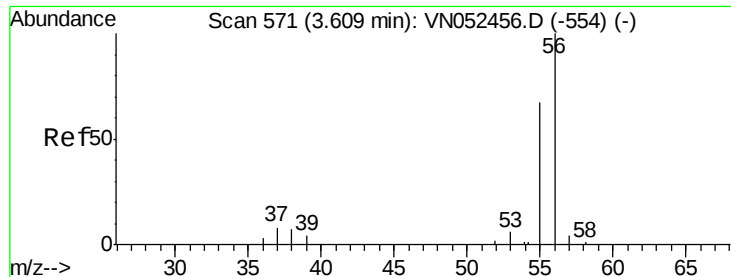
MMDadoda
11/27/2018 3:52:12 PM



#12
Methyl Acetate
Concen: 19.76 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.9	28.3





#13

Acrolein

Concen: 89.97 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion: 56 Resp: 86191

Ion Ratio Lower Upper

56 100

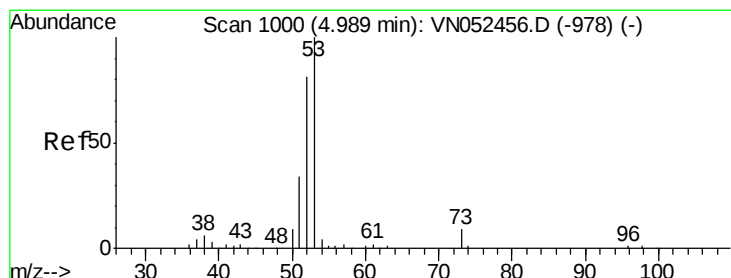
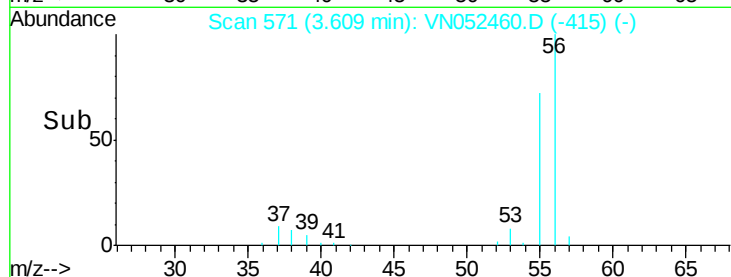
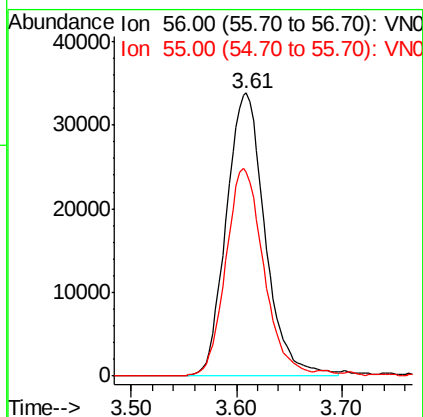
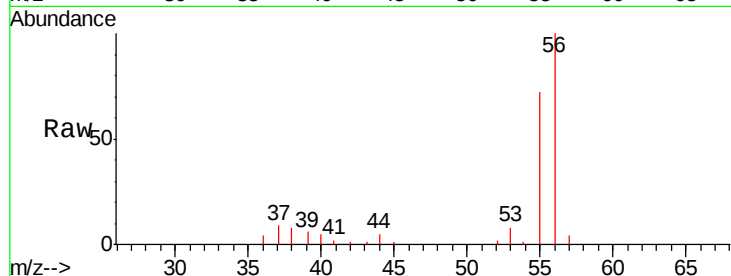
55 71.7 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 97.73 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

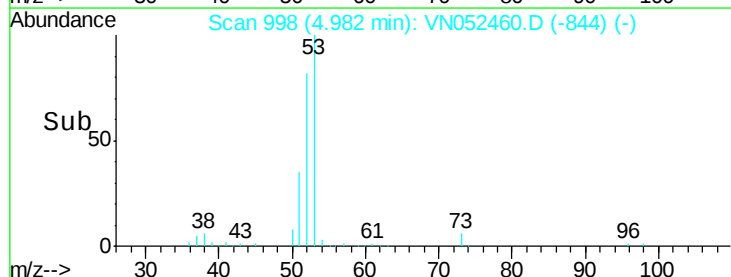
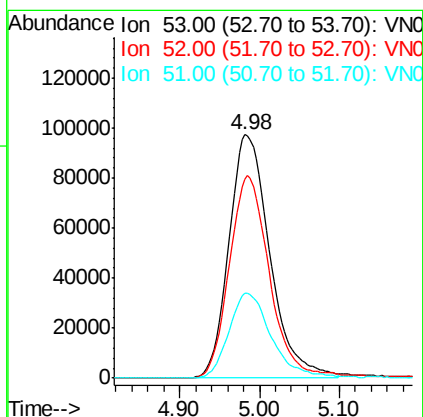
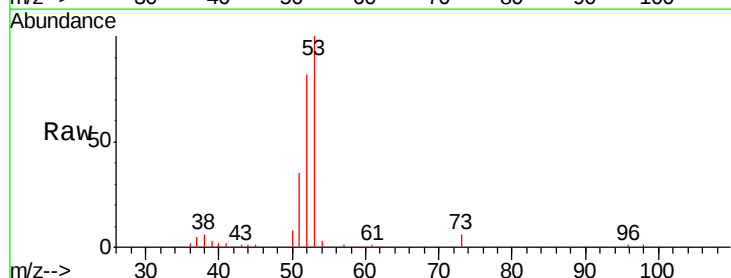
Tgt Ion: 53 Resp: 339609

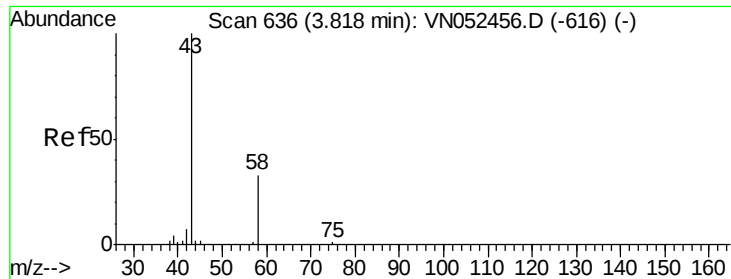
Ion Ratio Lower Upper

53 100

52 80.4 39.9 119.7

51 35.5 17.6 52.9





#15

Acetone

Concen: 91.00 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion: 58 Resp: 81895

Ion Ratio Lower Upper

58 100

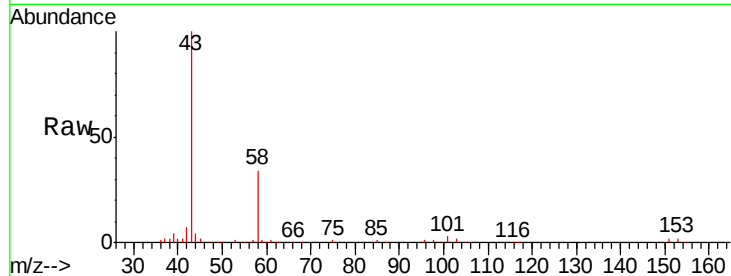
43 296.5 243.6 365.4

Manual Integrations

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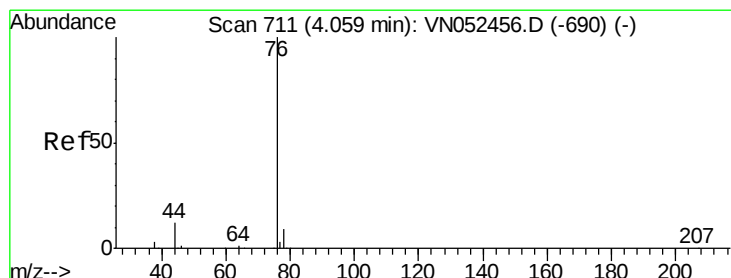
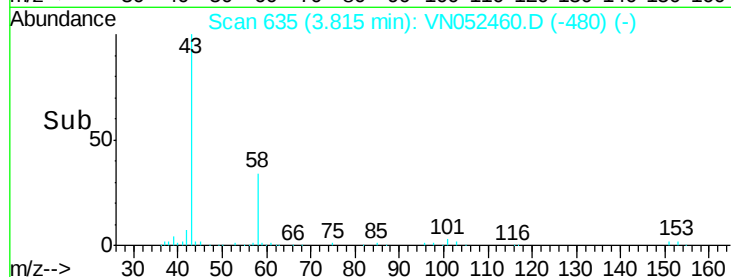
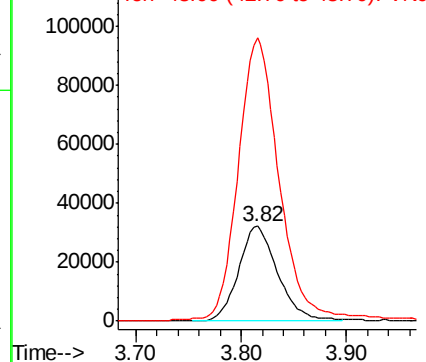
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.59 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052460.D

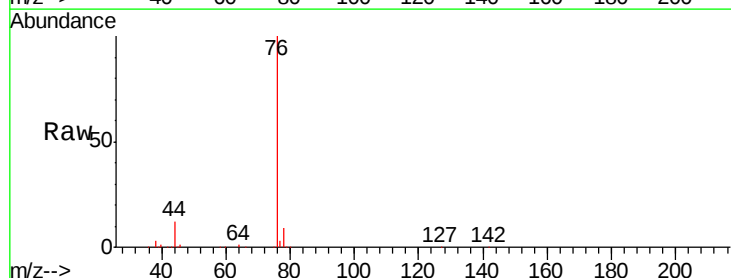
Acq: 26 Nov 2018 15:42

Tgt Ion: 76 Resp: 625759

Ion Ratio Lower Upper

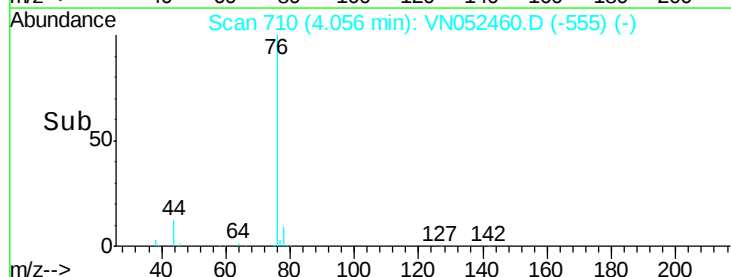
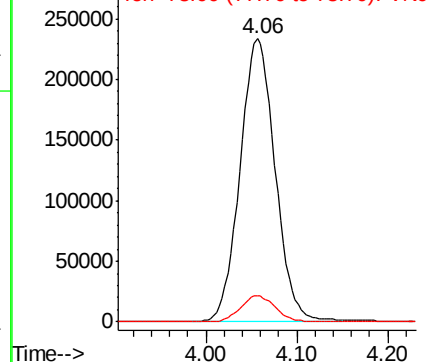
76 100

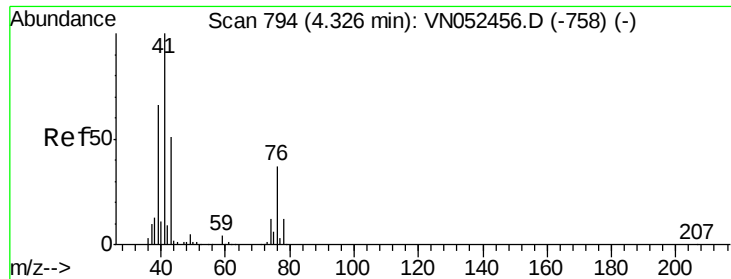
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





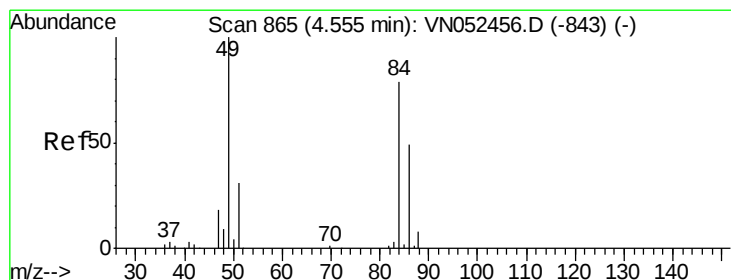
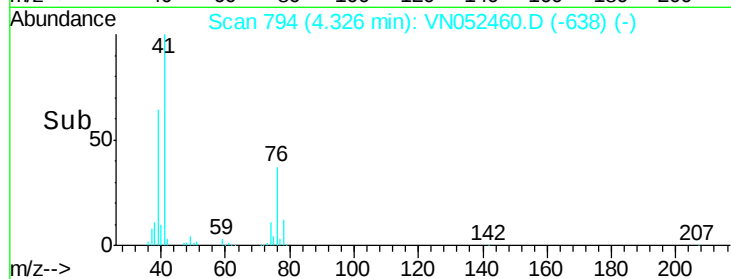
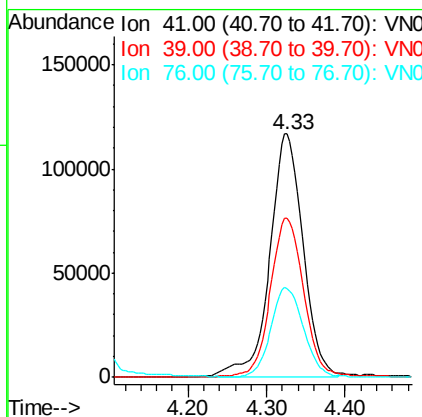
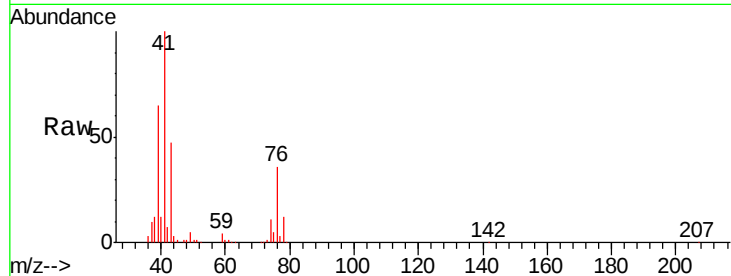
#17
 Allyl chloride
 Concen: 20.65 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion:	41	Resp:	345627
Ion	Ratio	Lower	Upper
41	100		
39	65.3	32.8	98.3
76	35.7	18.6	55.8

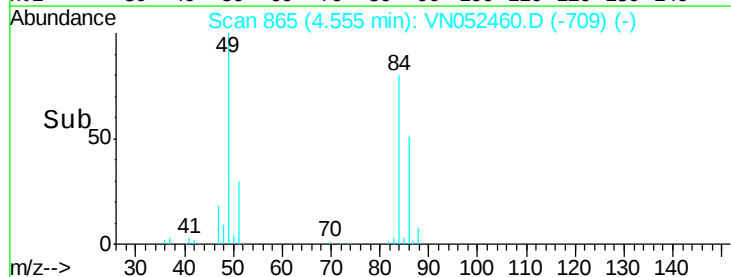
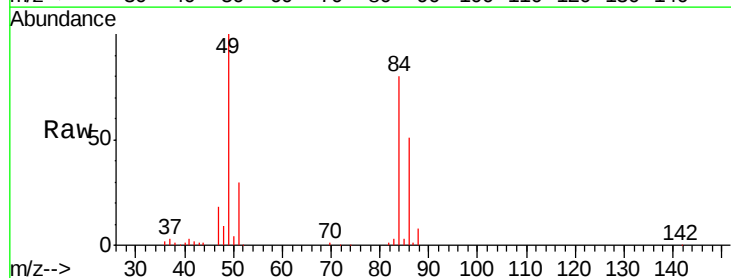
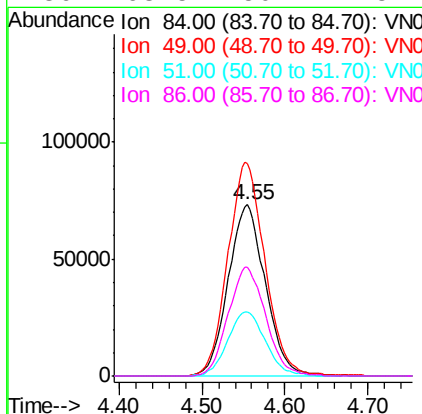
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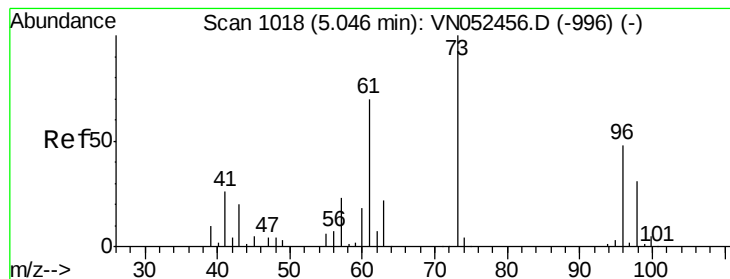
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#18
 Methylene Chloride
 Concen: 20.56 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion:	84	Resp:	228519
Ion	Ratio	Lower	Upper
84	100		
49	124.0	101.4	152.0
51	37.5	31.7	47.5
86	63.5	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 20.78 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion: 96 Resp: 214606

Ion Ratio Lower Upper

96 100

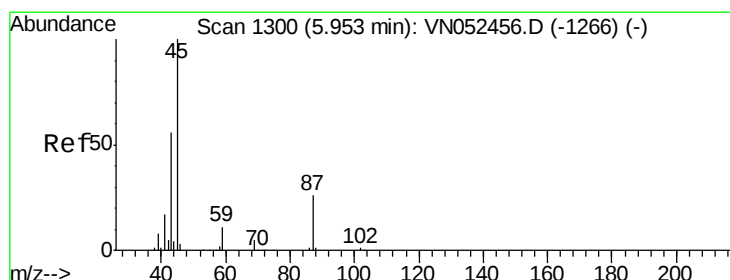
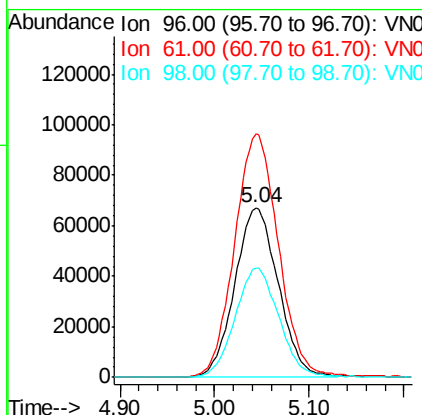
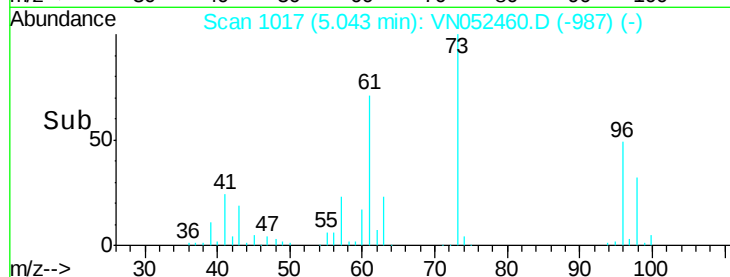
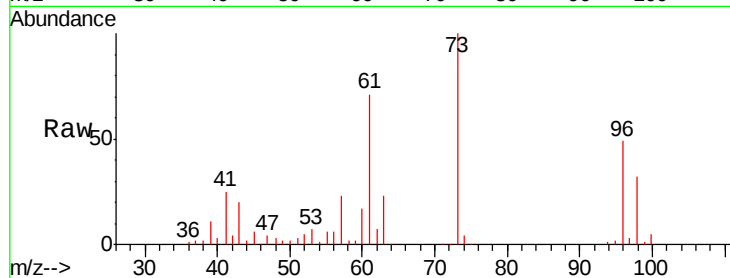
61 143.3 118.2 177.4

98 64.7 51.4 77.2

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#20

Diisopropyl ether

Concen: 20.35 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Tgt Ion: 45 Resp: 715976

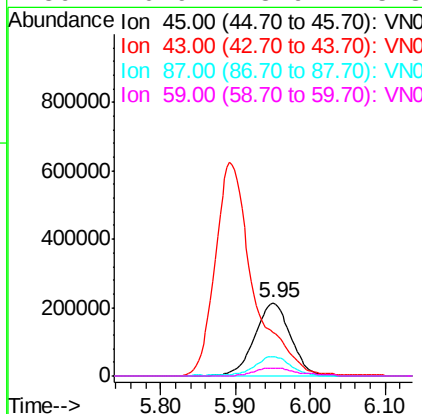
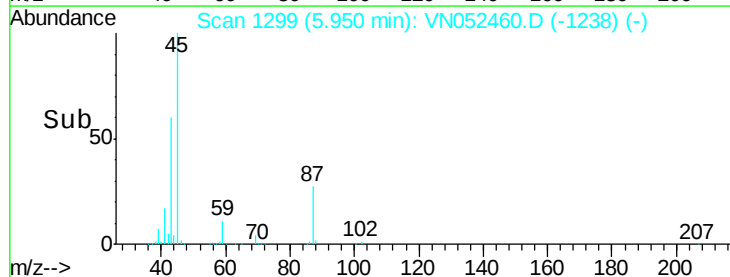
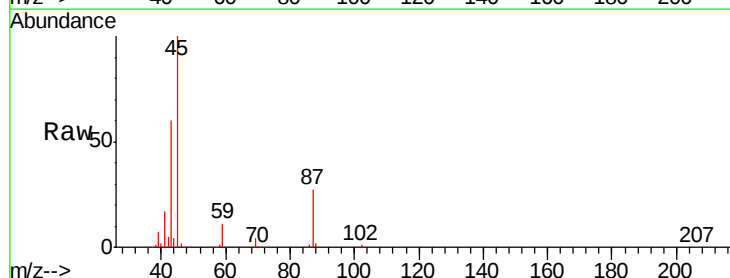
Ion Ratio Lower Upper

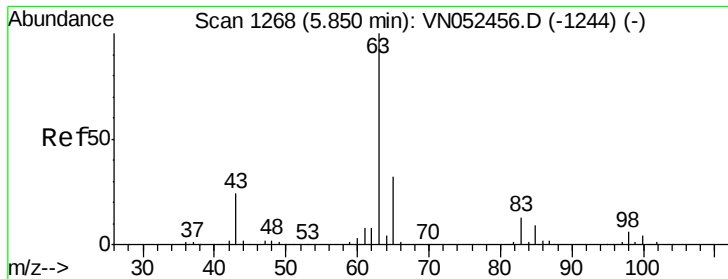
45 100

43 58.0 47.8 71.8

87 26.7 21.3 31.9

59 10.9 8.9 13.3





#21

1,1-Dichloroethane

Concen: 20.64 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

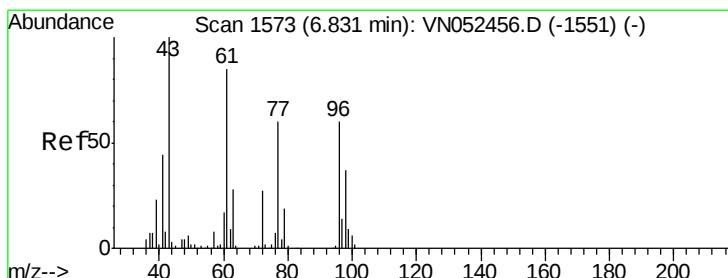
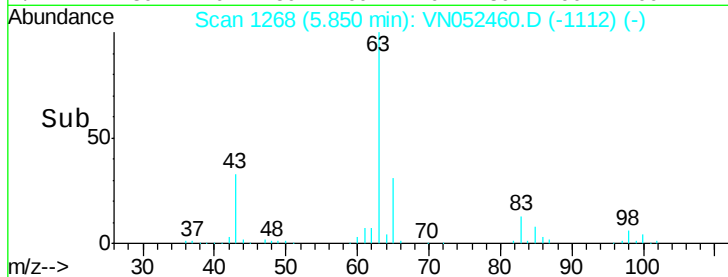
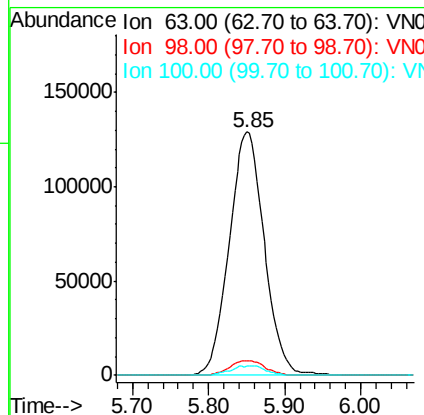
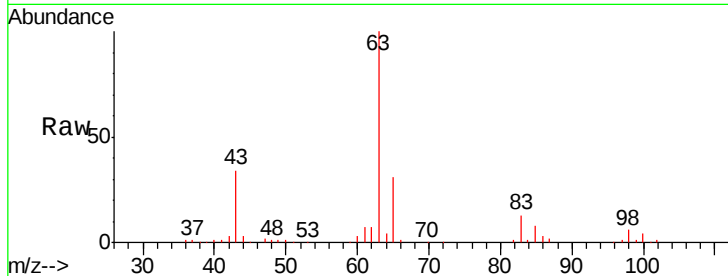
ClientSampleId :

ICVVN112618

Tgt Ion:	63	Resp:	413867
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	3.6	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 20.18 ug/l

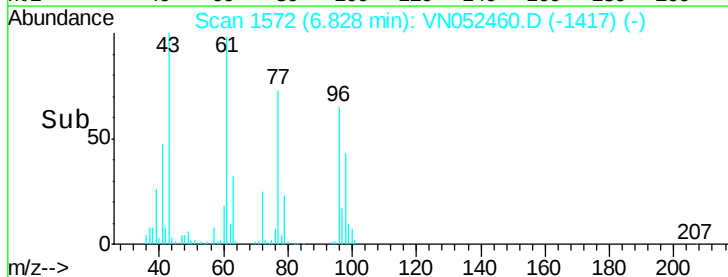
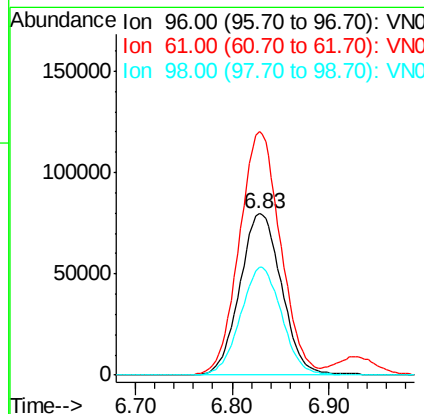
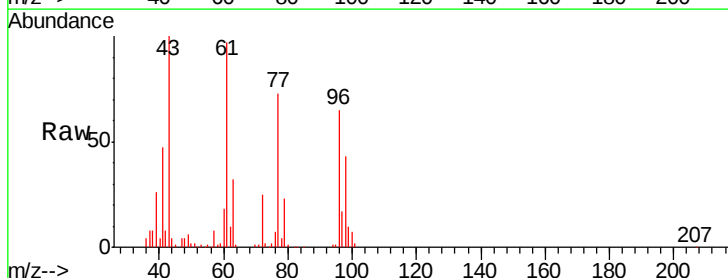
RT: 6.83 min Scan# 1572

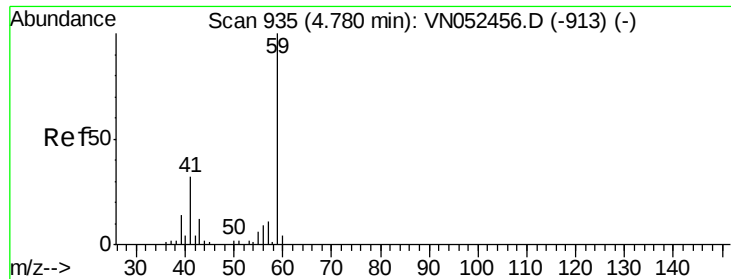
Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Tgt Ion:	96	Resp:	238923
Ion	Ratio	Lower	Upper
96	100		
61	149.1	116.7	175.1
98	65.8	50.8	76.2





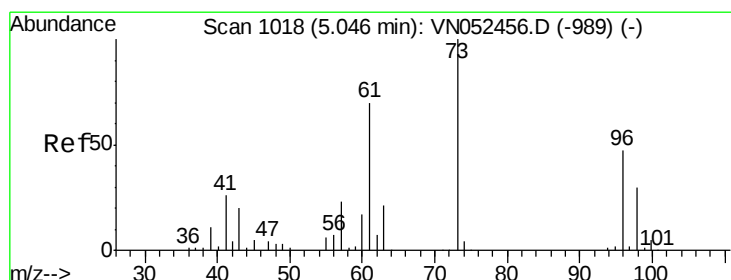
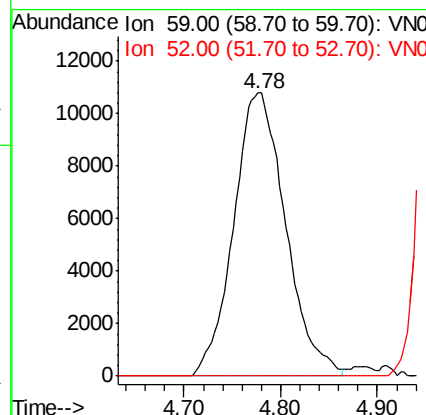
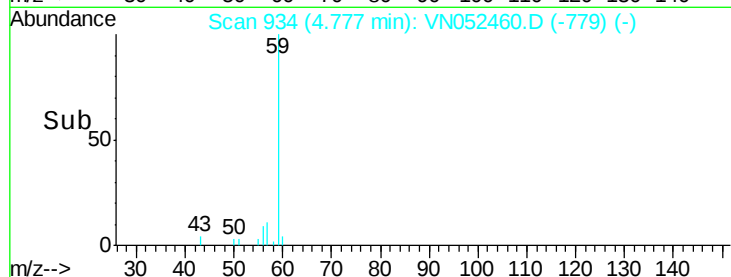
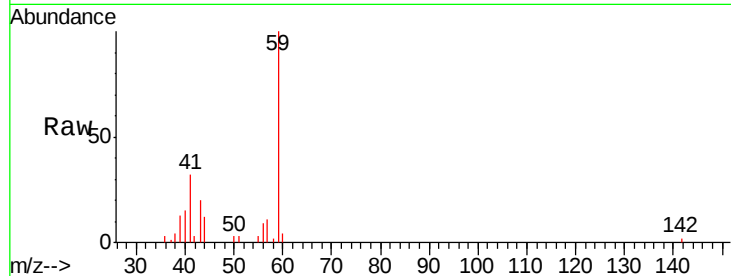
#23
 tert-Butyl Alcohol
 Concen: 78.06 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion: 59 Resp: 40354
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

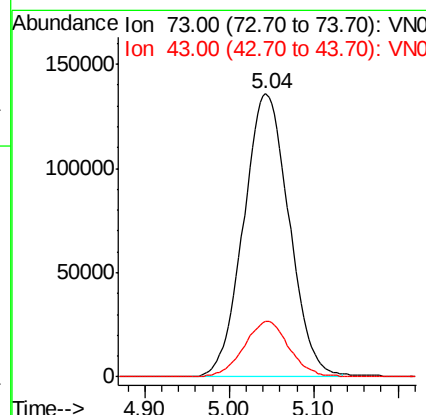
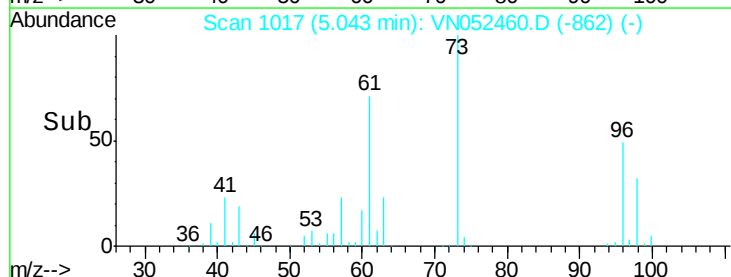
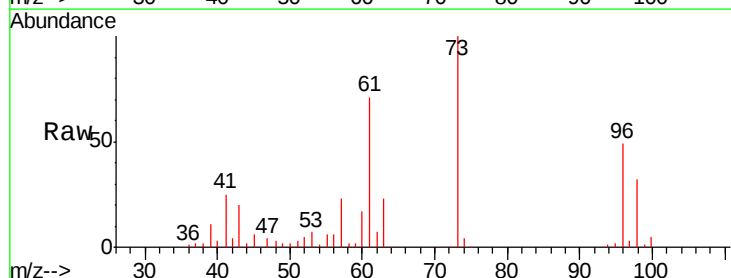
Manual Integrations
 APPROVED

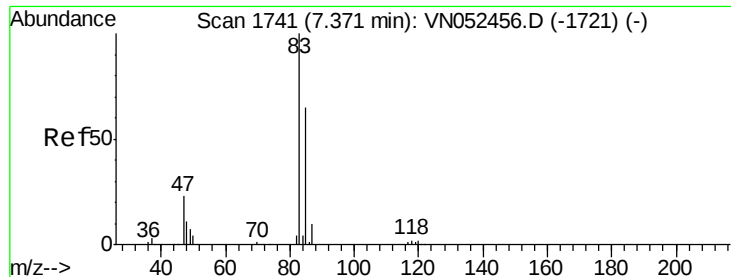
MMDadoda
 11/27/2018 3:52:12 PM



#24
 Methyl tert-Butyl Ether
 Concen: 20.25 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 73 Resp: 510021
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.8 23.8





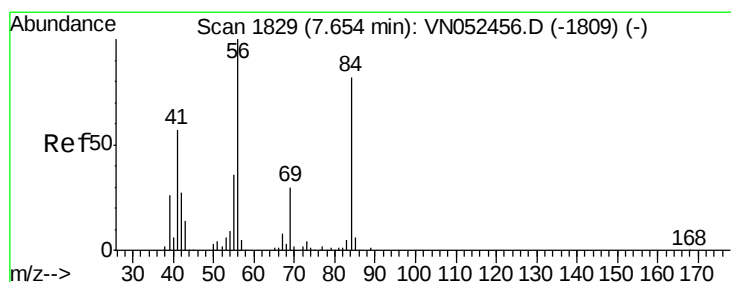
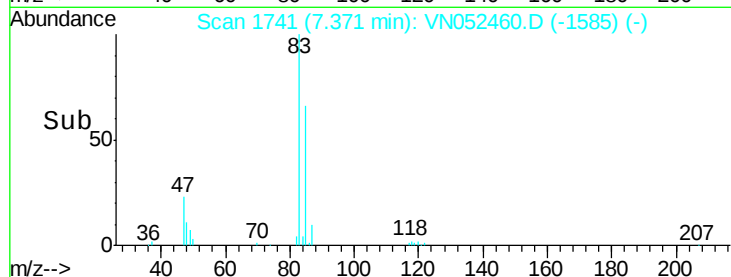
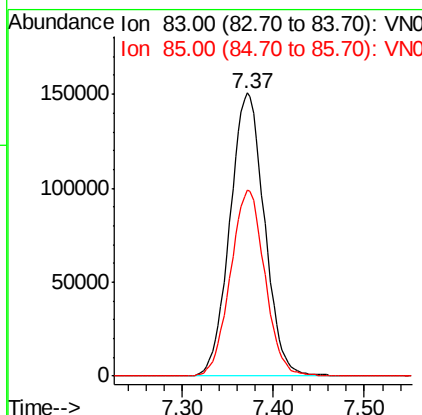
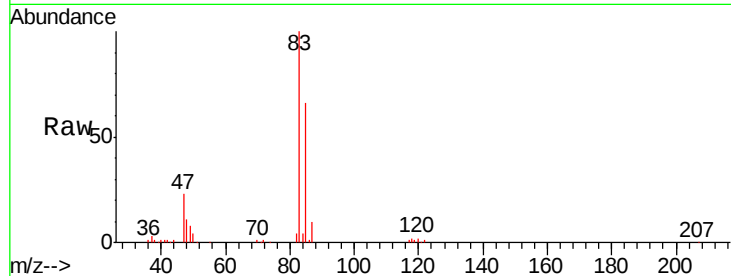
#25
Chloroform
Concen: 20.54 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion: 83 Resp: 397240
Ion Ratio Lower Upper
83 100
85 65.7 51.7 77.5

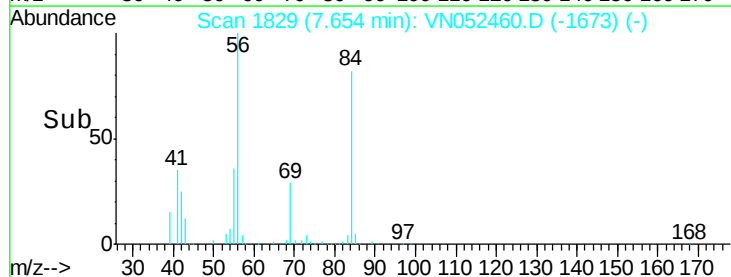
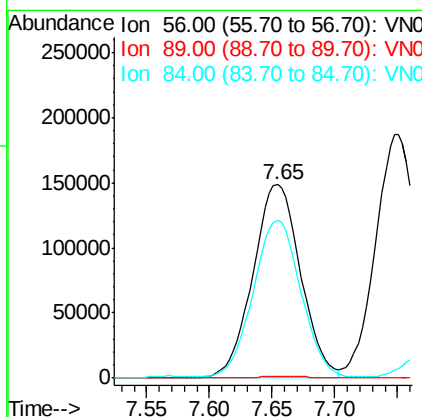
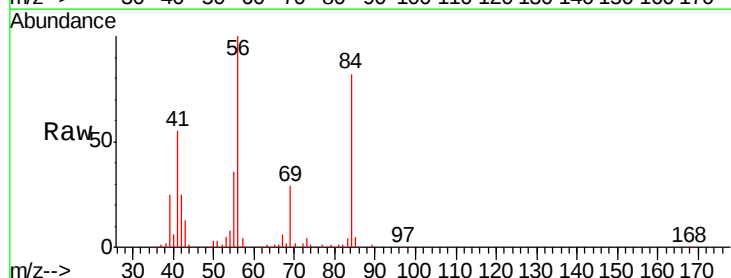
Manual Integrations
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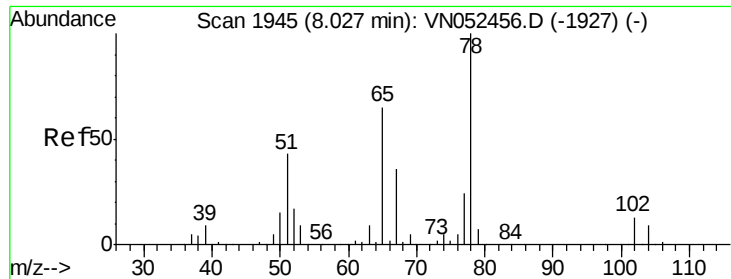
MMDadoda
11/27/2018 3:52:12 PM



#26
Cyclohexane
Concen: 20.81 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 56 Resp: 393611
Ion Ratio Lower Upper
56 100
89 1.0 0.5 0.7#
84 82.4 66.2 99.2





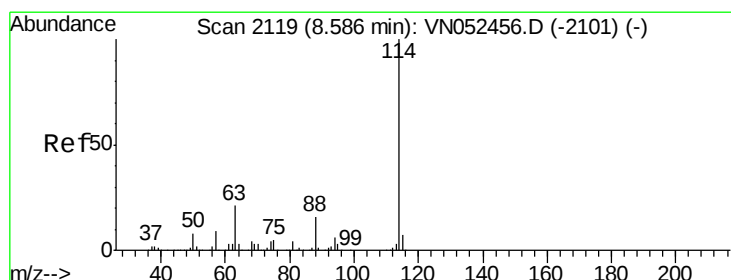
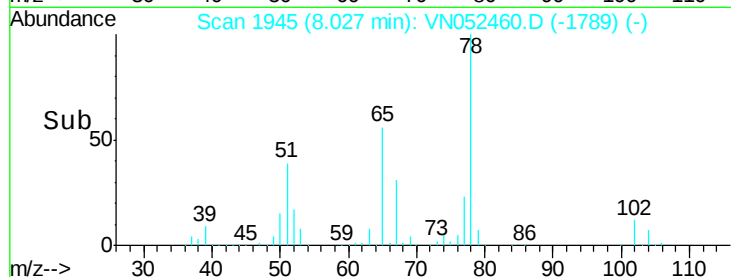
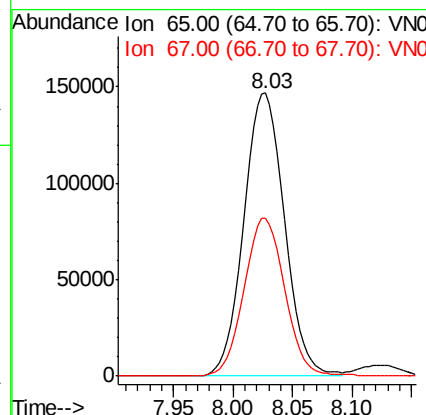
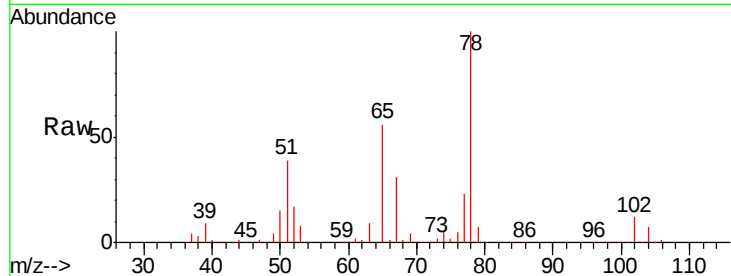
#27
 1,2-Dichloroethane-d4
 Concen: 20.81 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion: 65 Resp: 348477
 Ion Ratio Lower Upper
 65 100
 67 55.9 44.6 66.8

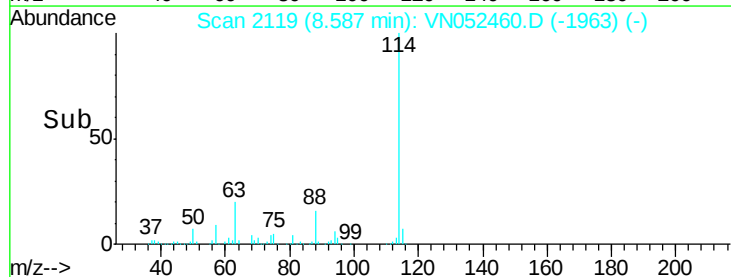
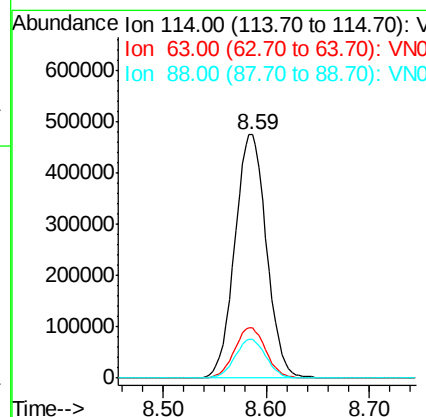
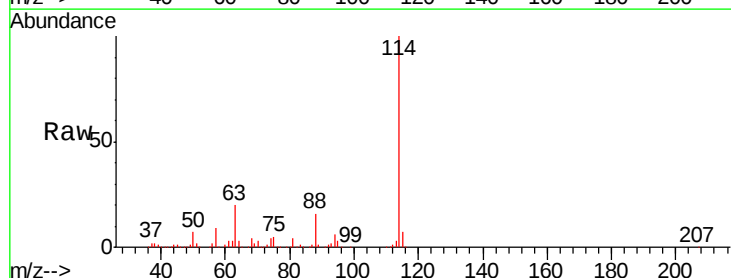
Manual Integrations
 APPROVED

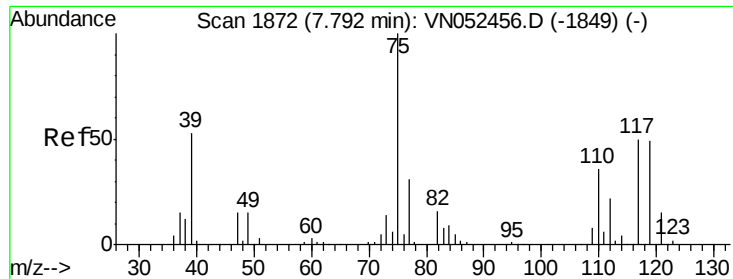
MMDadoda
 11/27/2018 3:52:12 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 114 Resp: 1012723
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.9 25.3
 88 15.6 12.8 19.2





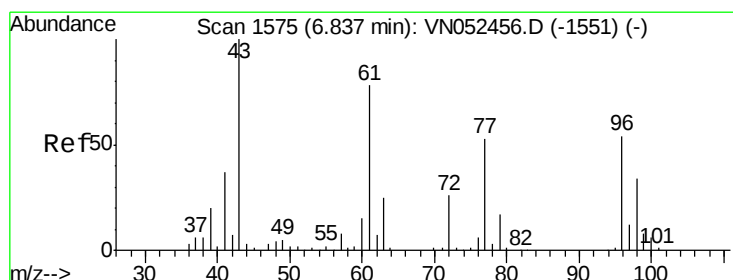
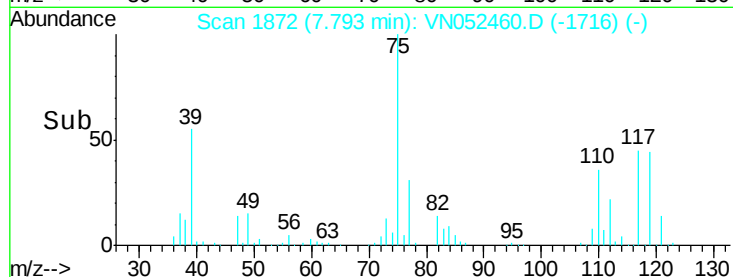
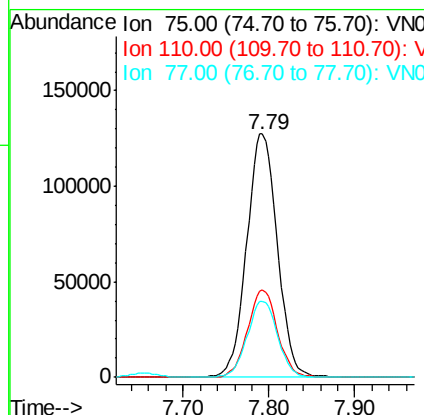
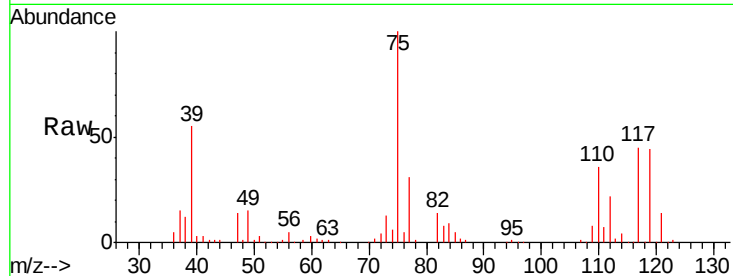
#29
 1,1-Dichloropropene
 Concen: 20.43 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	0.0	70.2
77	31.0	0.0	62.6

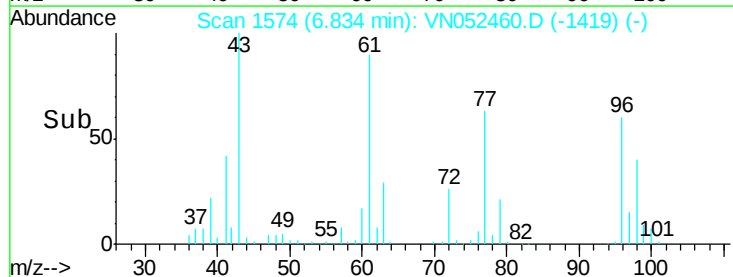
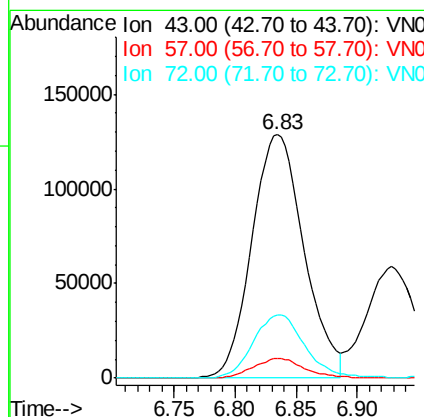
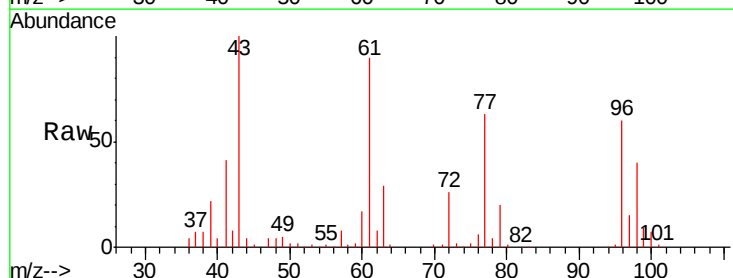
Manual Integrations
 APPROVED

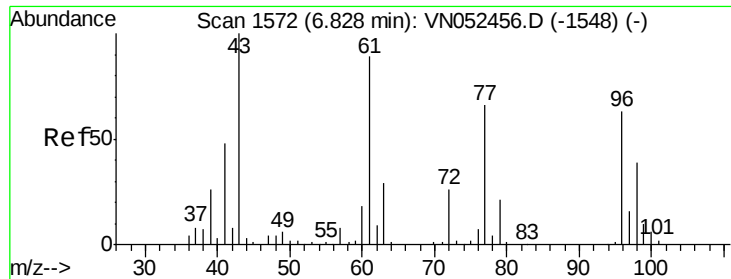
MMDadoda
 11/27/2018 3:52:12 PM



#30
 2-Butanone
 Concen: 91.91 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.2	9.4
72	26.0	21.0	31.6





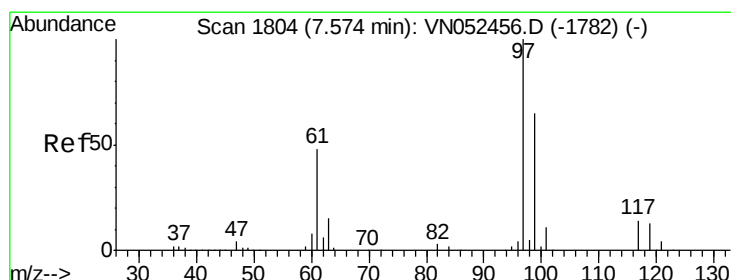
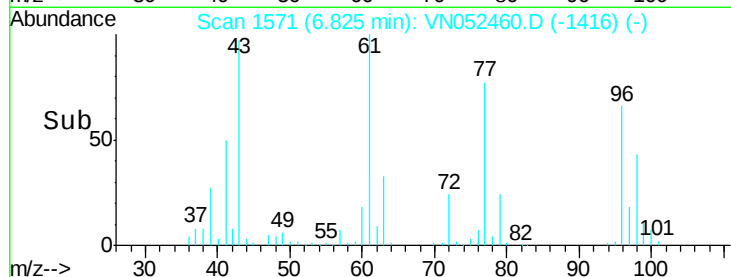
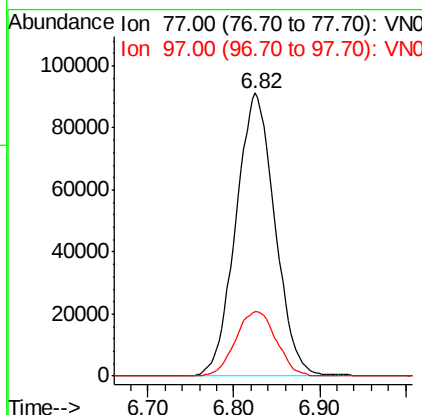
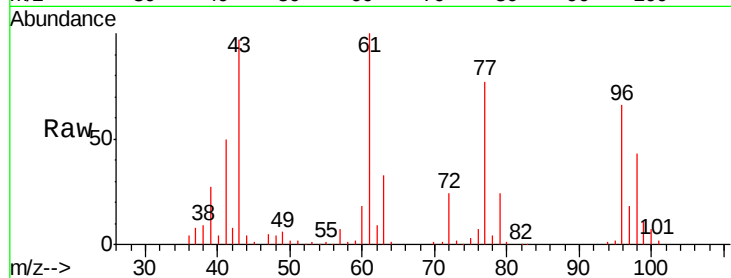
#31
 2,2-Dichloropropane
 Concen: 20.22 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion: 77 Resp: 287883
 Ion Ratio Lower Upper
 77 100
 97 23.9 18.7 28.1

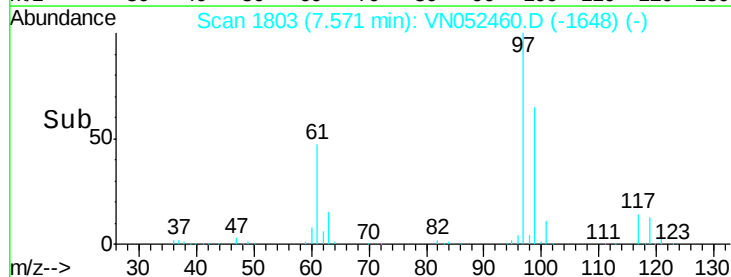
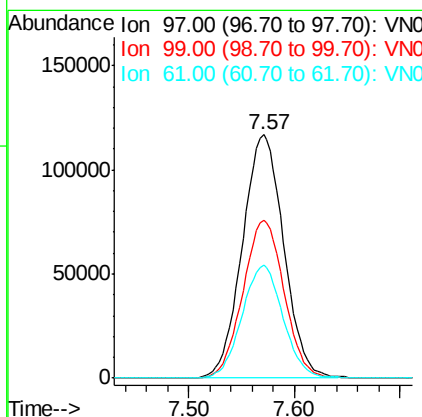
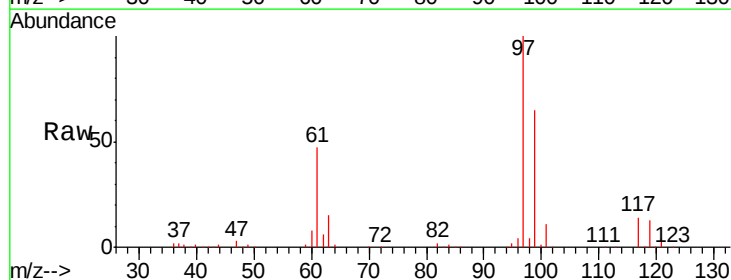
Manual Integrations
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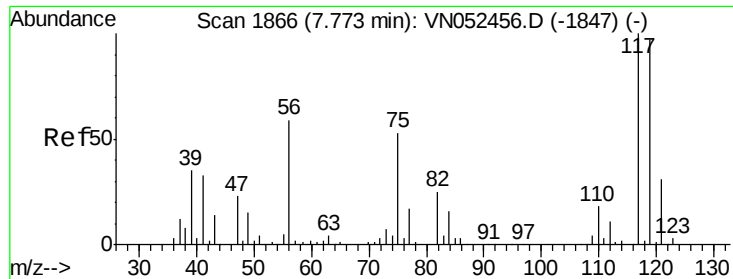
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 11/27/2018 3:52:12 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.81 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion: 97 Resp: 318799
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.9 76.3
 61 46.1 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.17 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

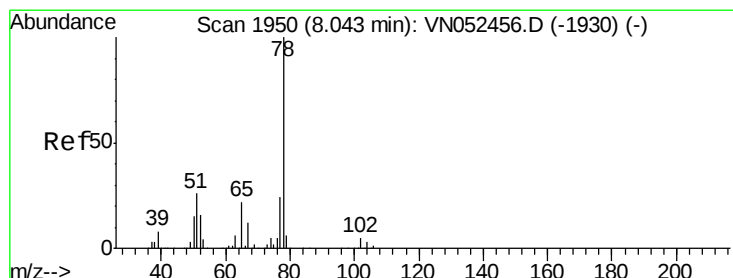
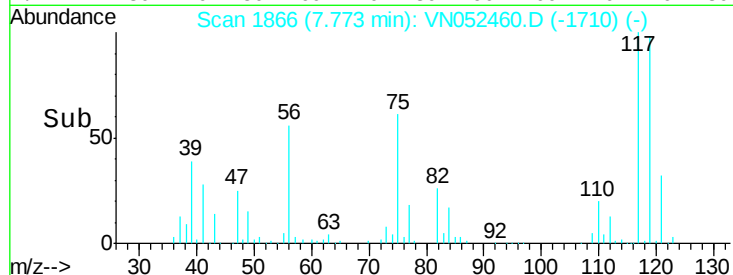
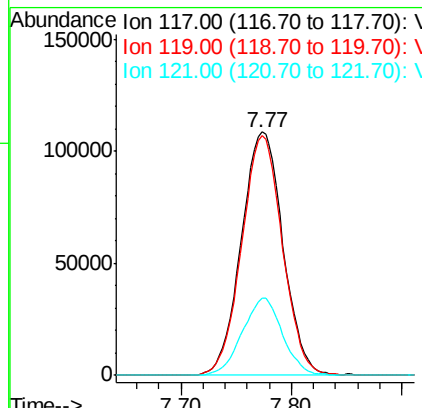
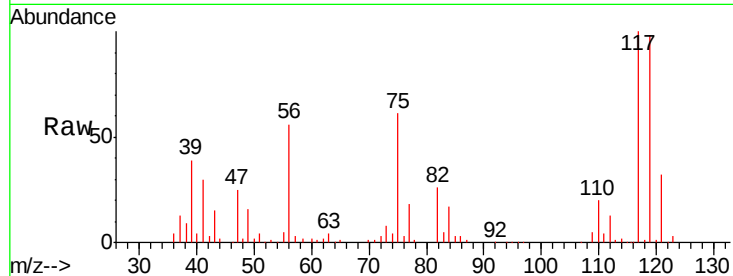
ClientSampleId :

ICVVN112618

Tgt Ion:	117	Resp:	283998
Ion Ratio		Lower	Upper
117	100		
119	98.4	77.3	115.9
121	31.6	24.9	37.3

Manual Integrations
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11/27/2018 3:52:12 PM



#34

Benzene

Concen: 20.16 ug/l

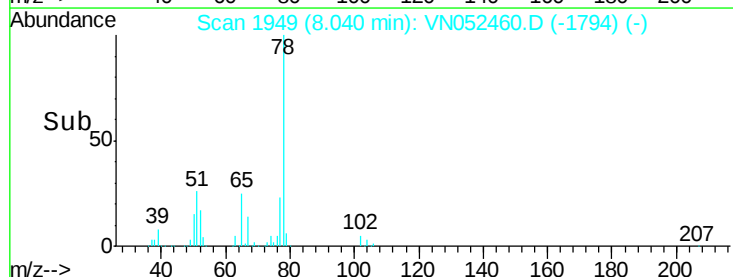
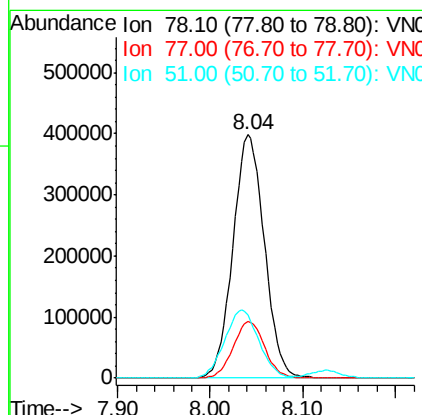
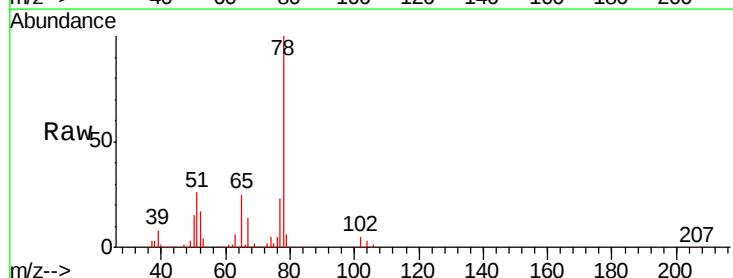
RT: 8.04 min Scan# 1949

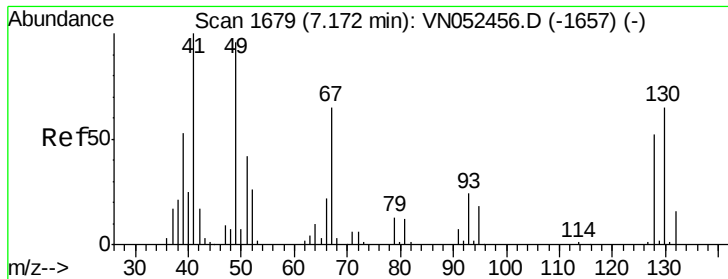
Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Tgt Ion:	78	Resp:	937216
Ion Ratio		Lower	Upper
78	100		
77	23.1	19.0	28.6
51	25.8	20.5	30.7





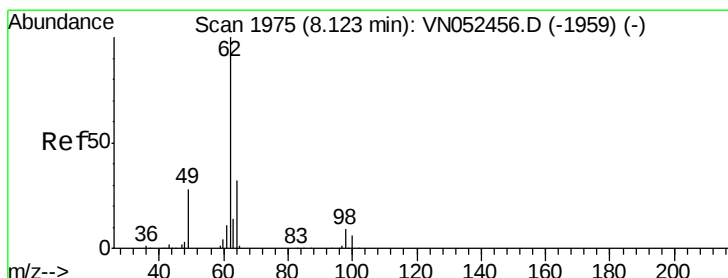
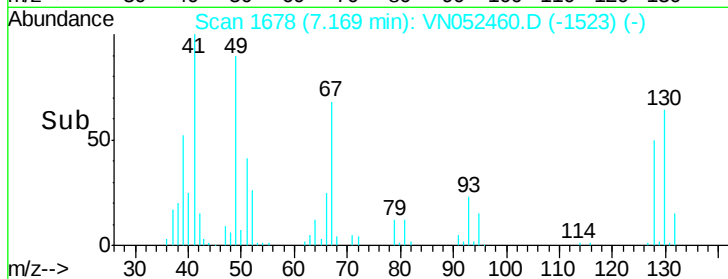
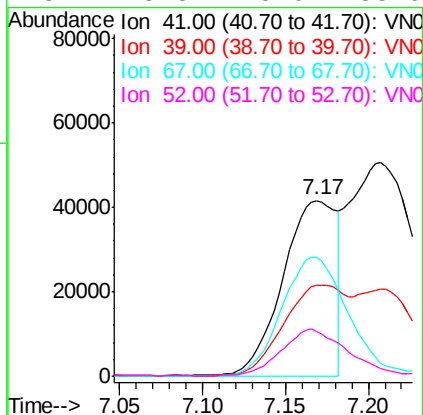
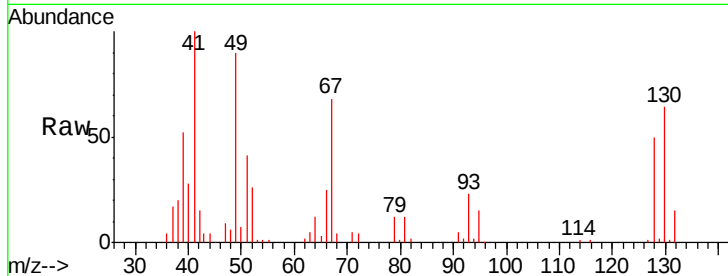
#35
Methacrylonitrile
Concen: 18.28 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.7	26.6	79.7
67	67.8	32.3	96.9
52	25.3	13.0	38.9

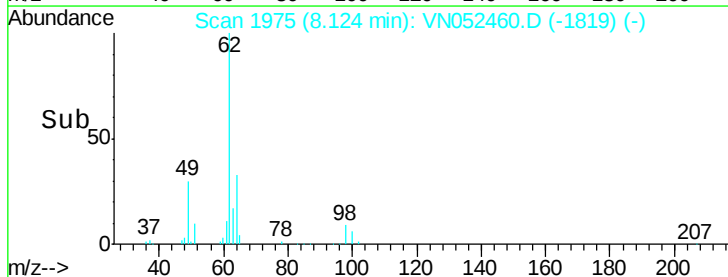
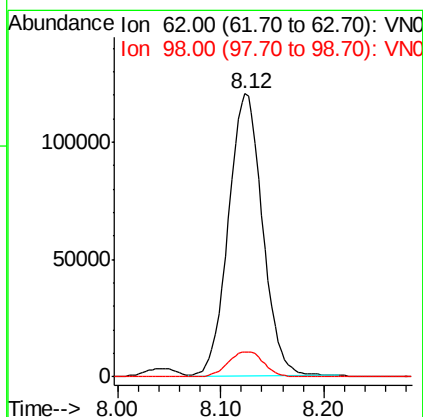
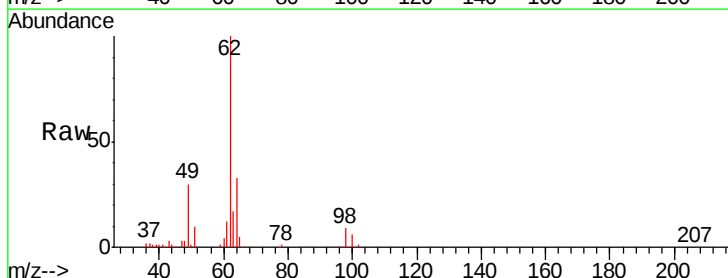
Manual Integrations
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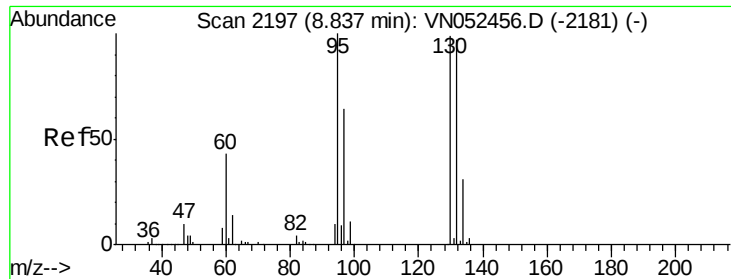
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.69 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.2#





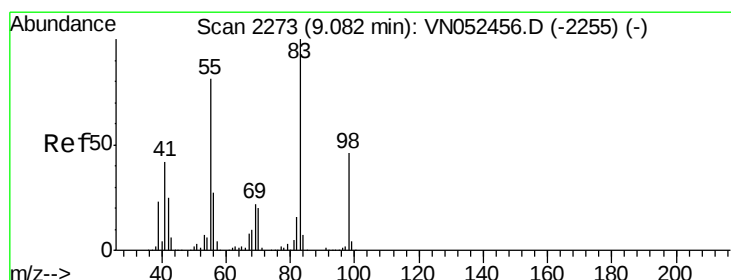
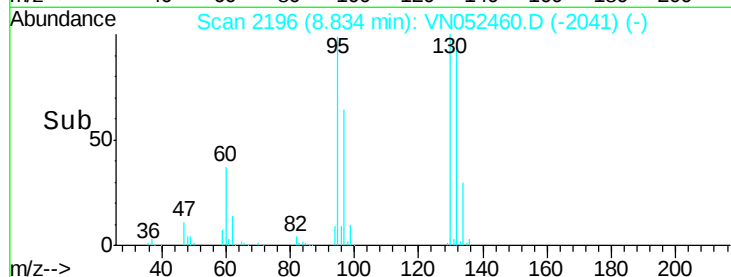
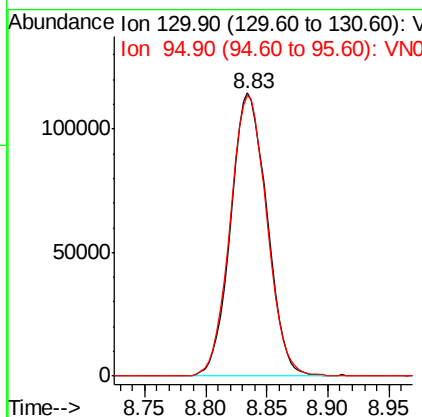
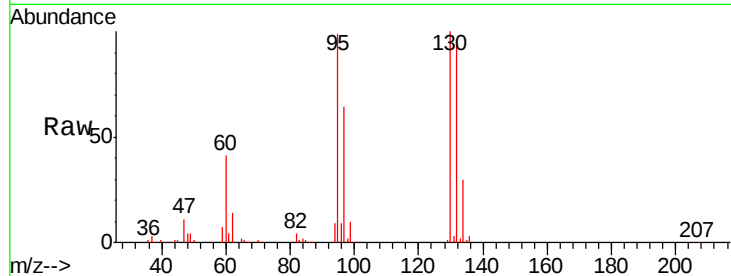
#37
 Trichloroethene
 Concen: 20.04 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	236293		
95	99.1	81.0	121.4	

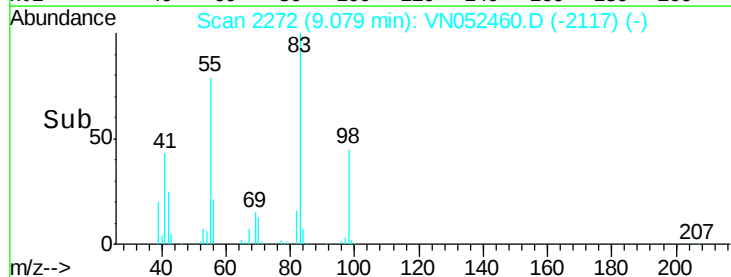
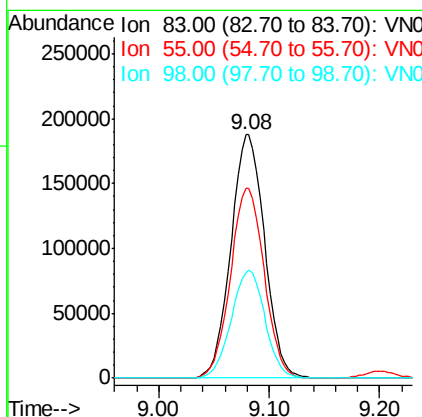
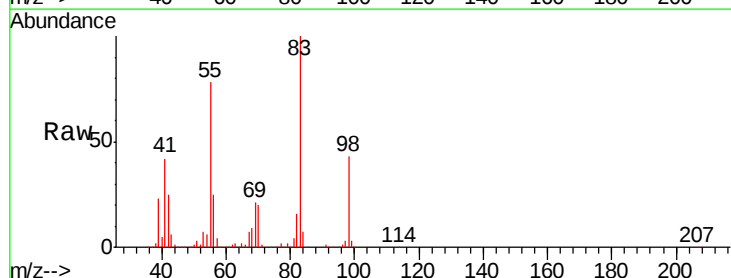
Manual Integrations
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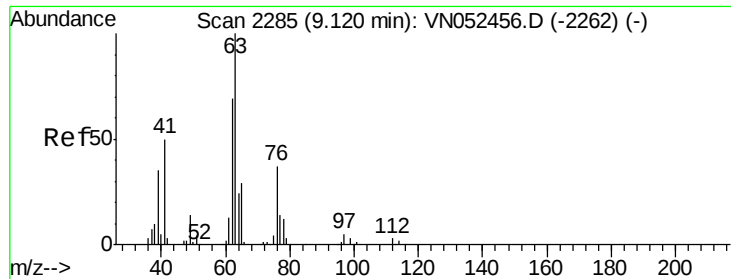
MMDadoda
 11/27/2018 3:52:12 PM



#38
 Methylcyclohexane
 Concen: 20.76 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	397444		
55	78.0	39.8	119.4	
98	44.3	22.9	68.5	





#39

1,2-Dichloropropane

Concen: 19.83 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion: 63 Resp: 247208

Ion Ratio Lower Upper

63 100

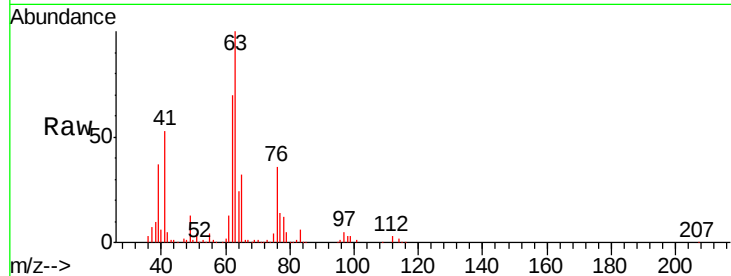
65 31.7 23.6 35.4

Manual Integrations

APPROVED

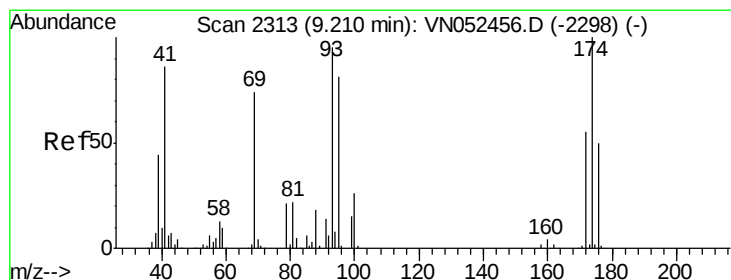
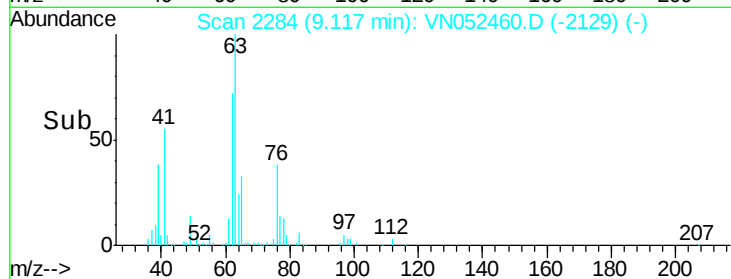
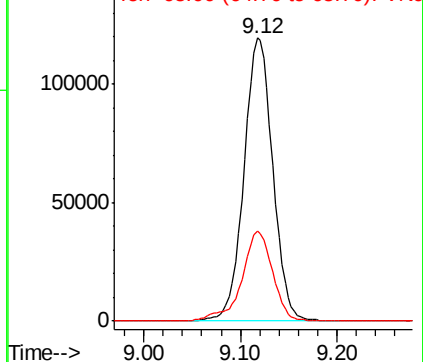
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.15 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

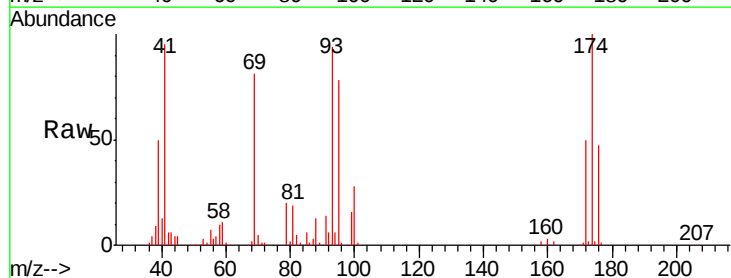
Tgt Ion: 93 Resp: 135731

Ion Ratio Lower Upper

93 100

95 83.0 0.0 168.4

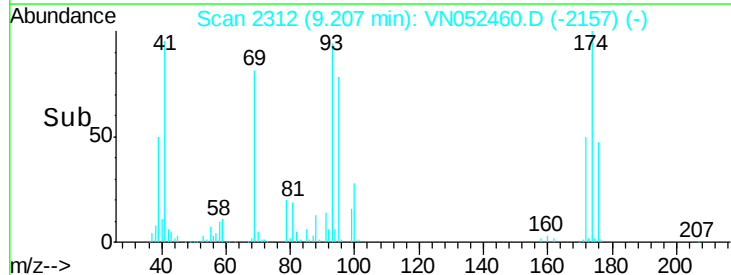
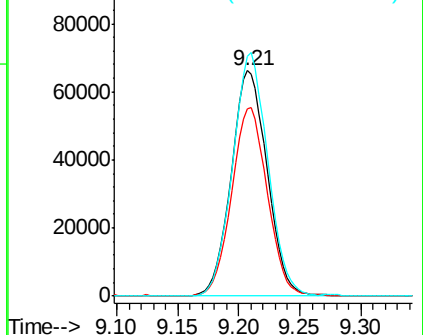
174 105.6 0.0 210.0

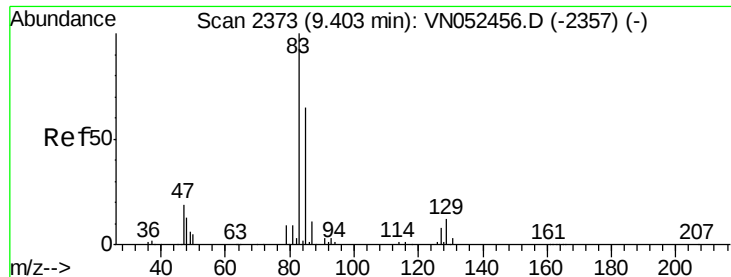


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





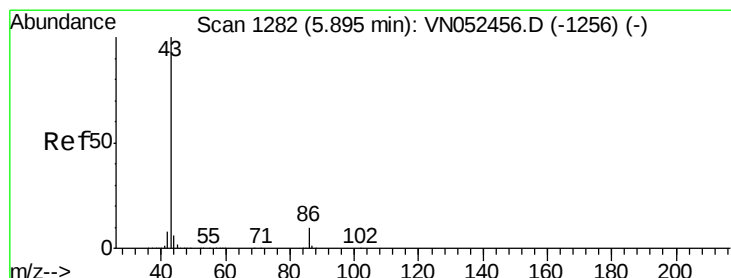
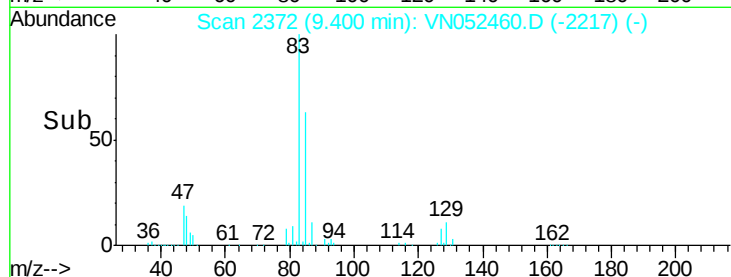
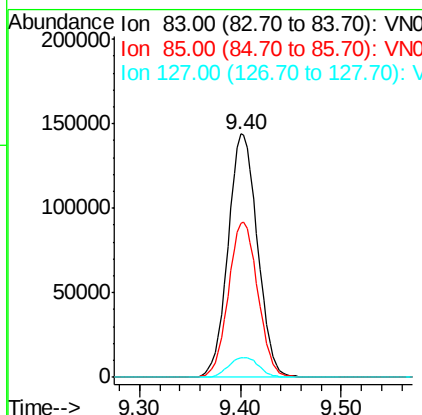
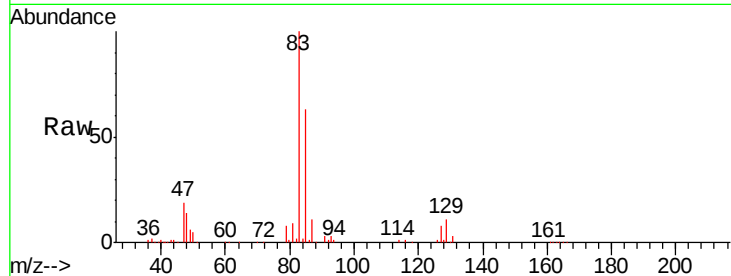
#41
Bromodichloromethane
Concen: 19.61 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.4	78.6
127	8.2	6.6	9.8

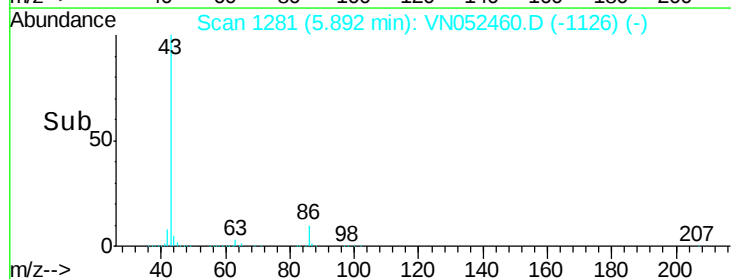
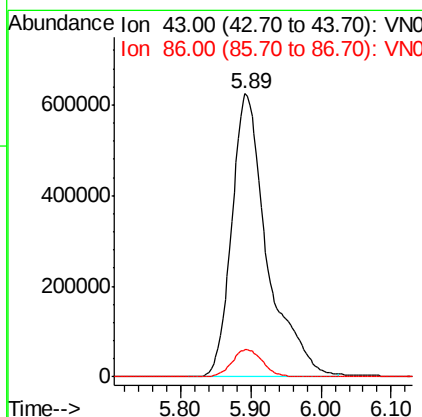
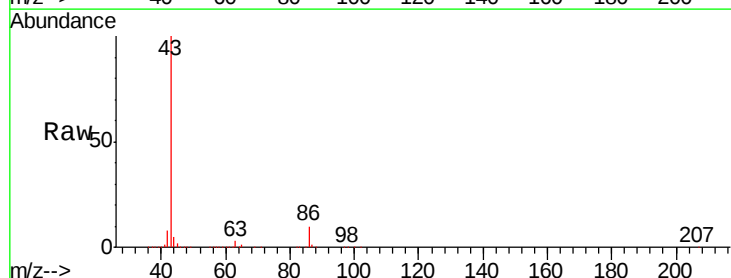
Manual Integrations
APPROVED

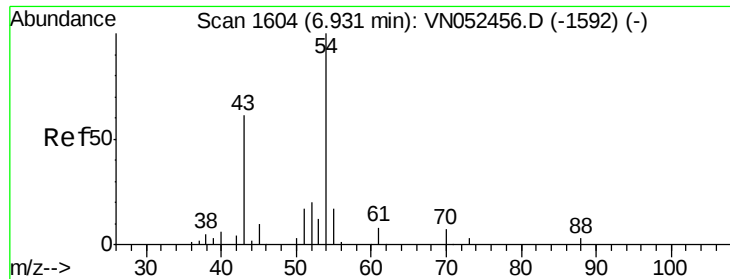
MMDadoda
11/27/2018 3:52:12 PM



#42
Vinyl Acetate
Concen: 98.09 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.5	9.7





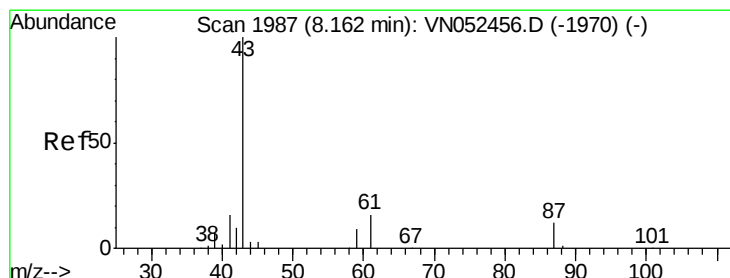
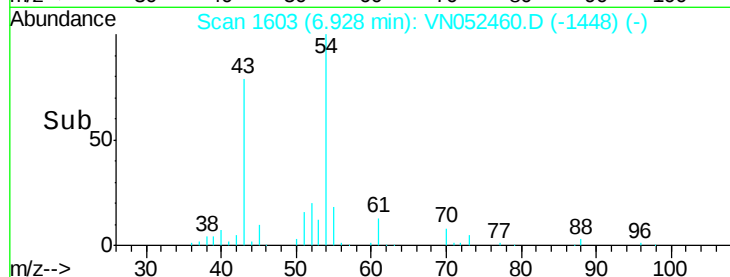
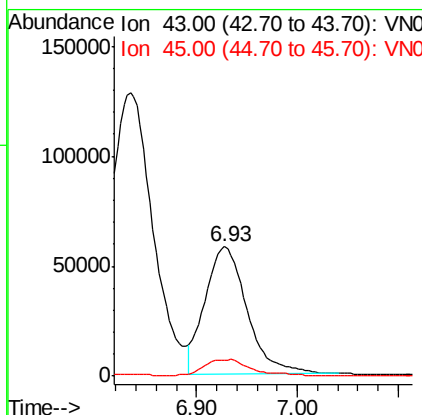
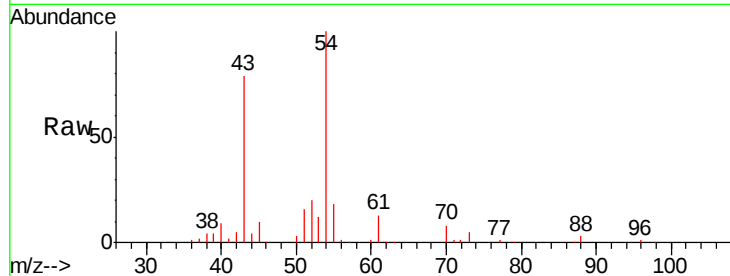
#43
Ethyl Acetate
Concen: 19.05 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion: 43 Resp: 167675
Ion Ratio Lower Upper
43 100
45 6.5 1.0 1.6#

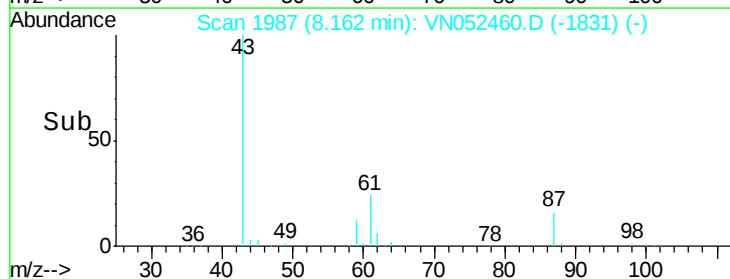
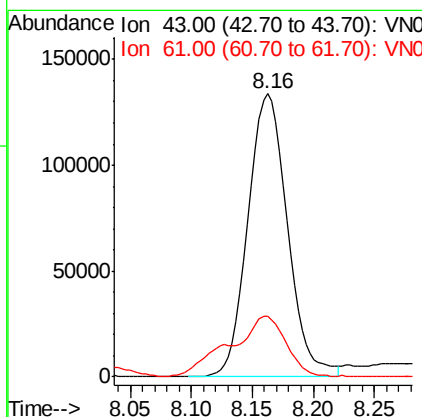
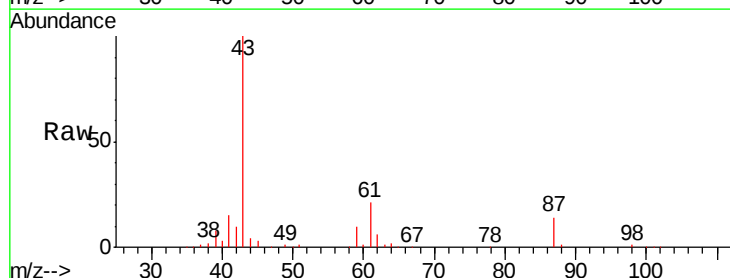
Manual Integrations
APPROVED

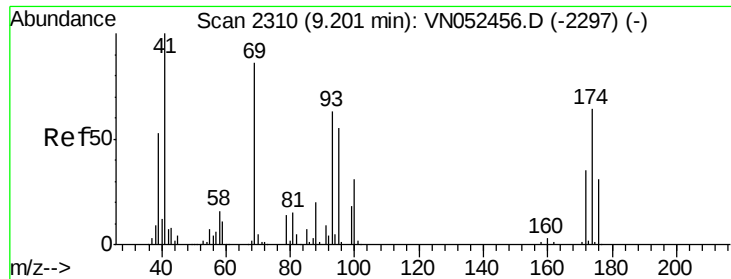
MMDadoda
11/27/2018 3:52:12 PM



#44
Isopropyl Acetate
Concen: 19.43 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 43 Resp: 299913
Ion Ratio Lower Upper
43 100
61 19.7 16.0 24.0





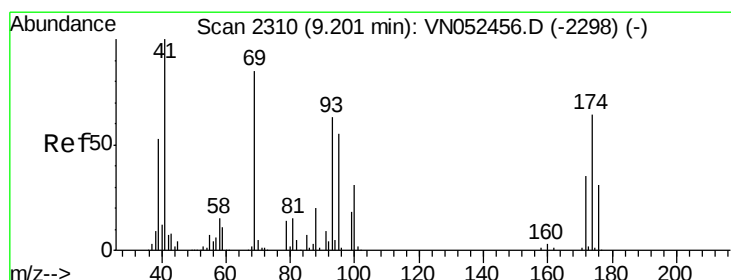
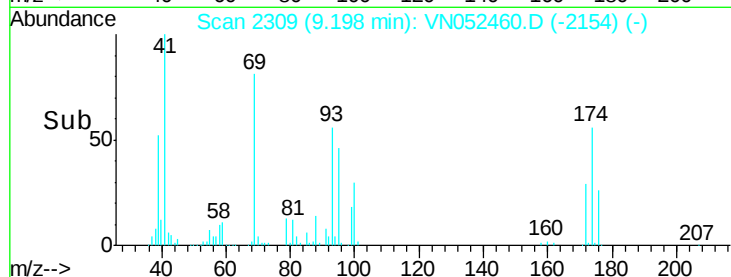
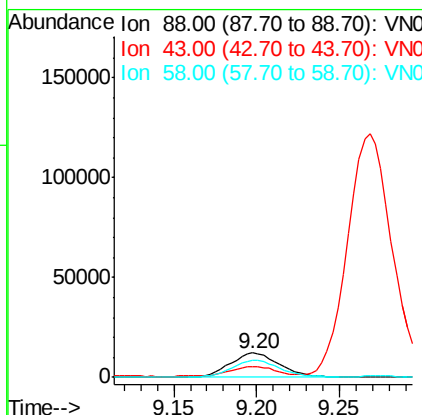
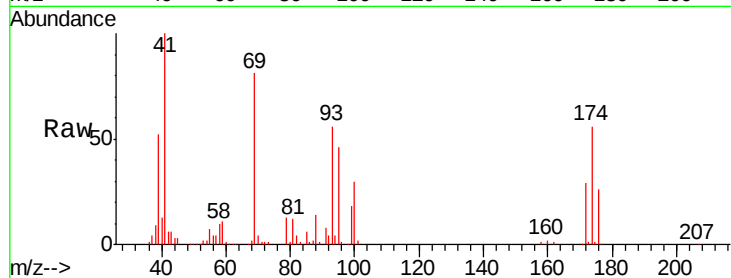
#45
1,4-Dioxane
Concen: 297.94 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.5	29.5	44.3
58	68.3	61.5	92.3

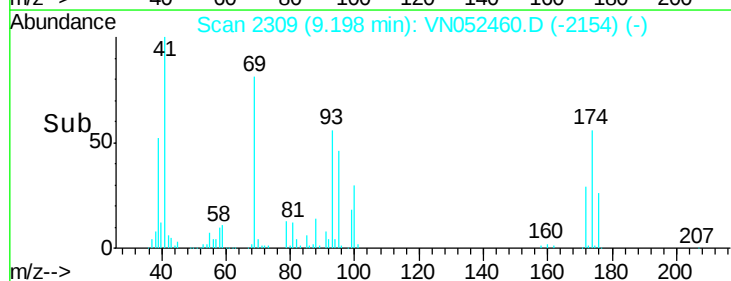
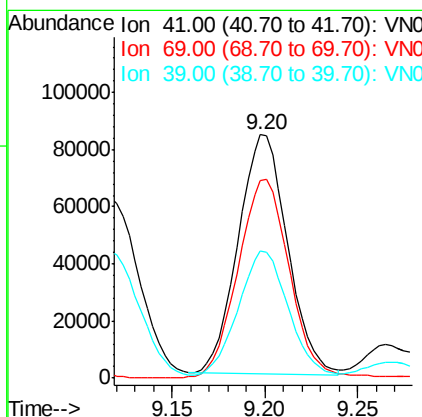
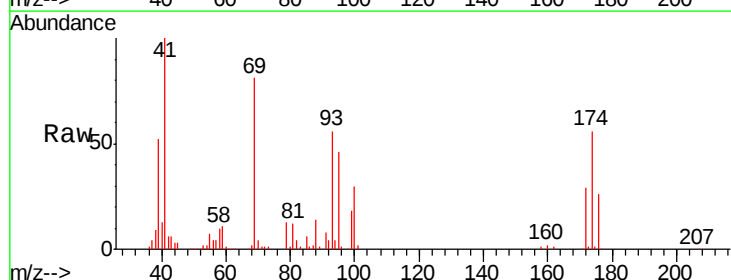
Manual Integrations
APPROVED

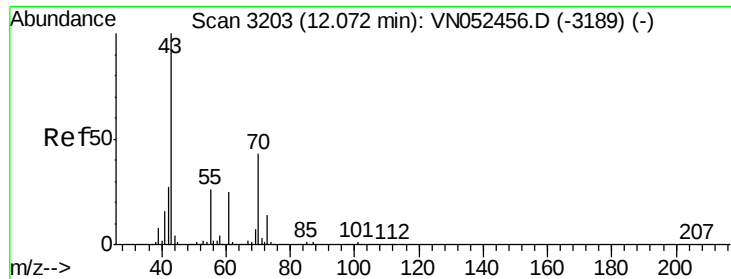
MMDadoda
11/27/2018 3:52:12 PM



#46
Methyl methacrylate
Concen: 19.29 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.3	42.5	127.6
39	51.8	26.3	78.9





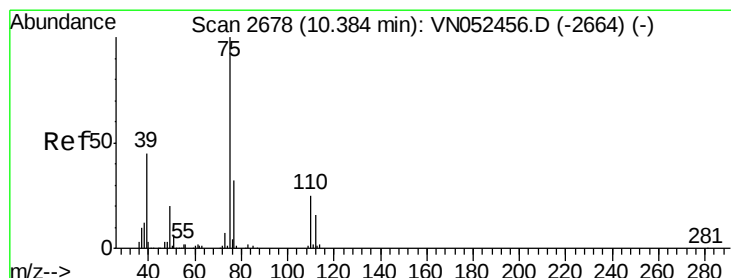
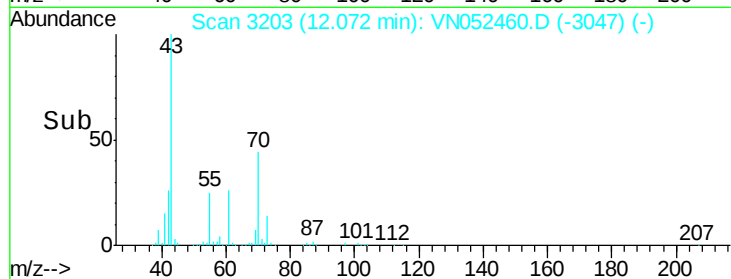
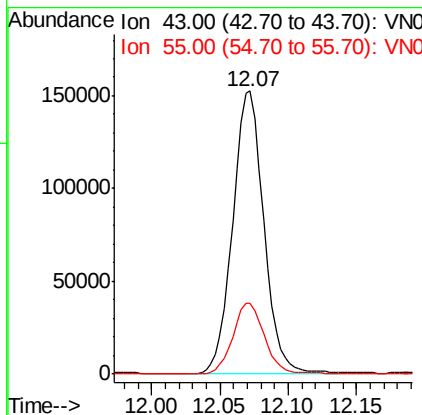
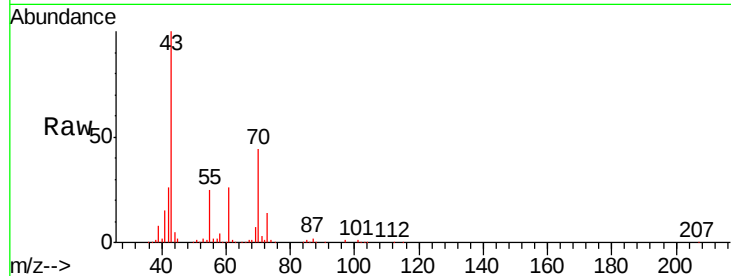
#47
n-amy1 Acetate
Concen: 18.81 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion: 43 Resp: 240677
Ion Ratio Lower Upper
43 100
55 25.5 21.1 31.7

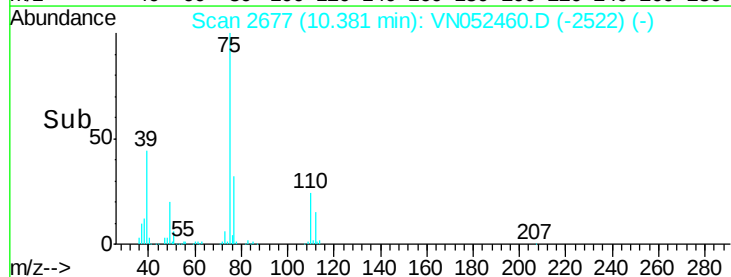
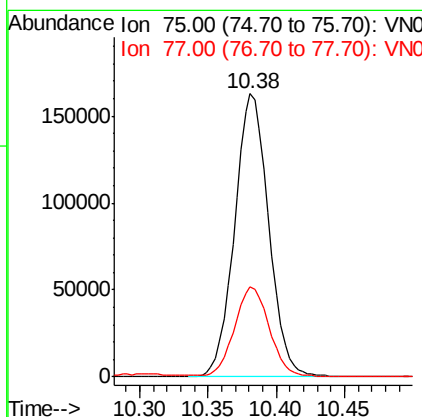
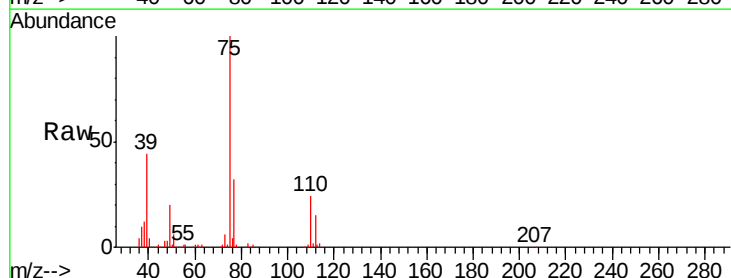
Manual Integrations
APPROVED

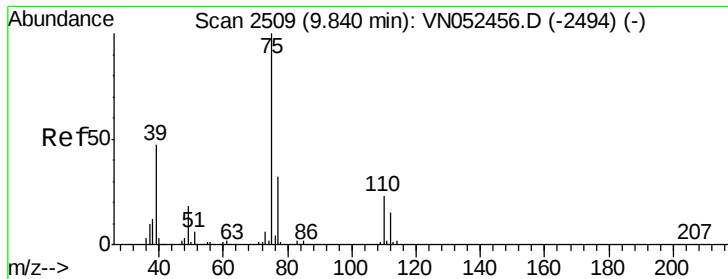
MMDadoda
11/27/2018 3:52:12 PM



#48
t-1,3-Dichloropropene
Concen: 19.56 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion: 75 Resp: 282296
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4





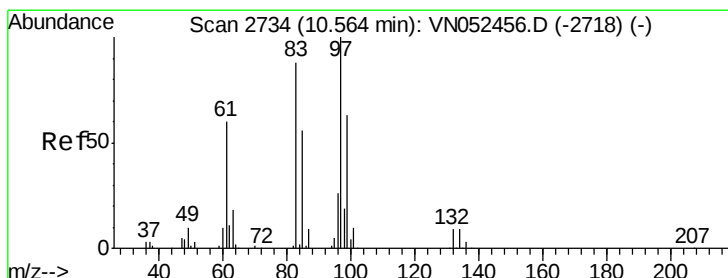
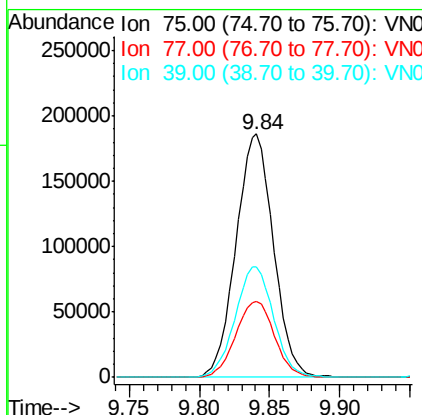
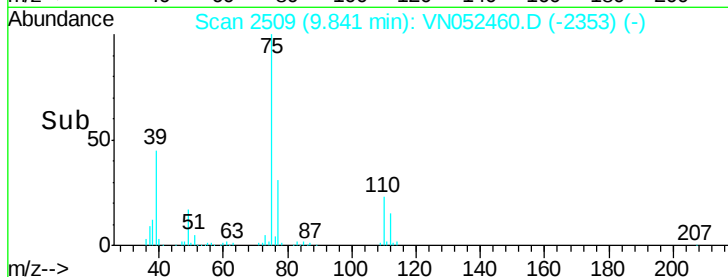
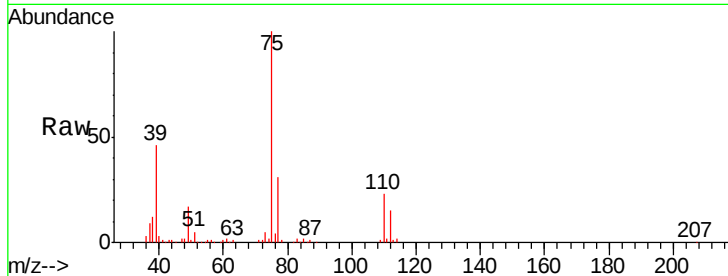
#49
 cis-1,3-Dichloropropene
 Concen: 19.74 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	45.5	37.3	55.9

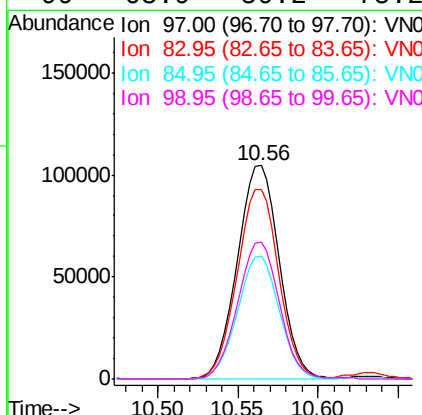
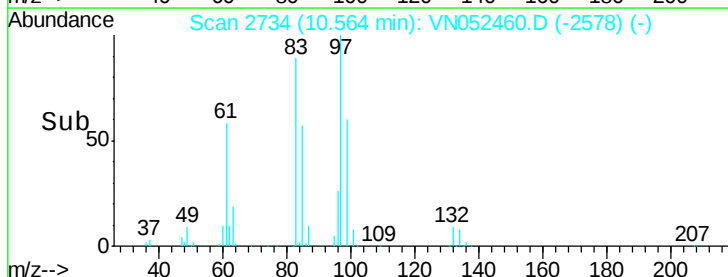
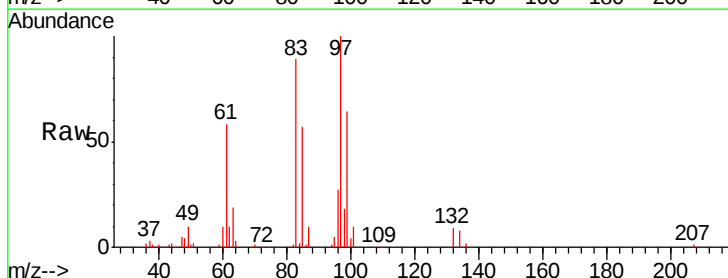
Manual Integrations
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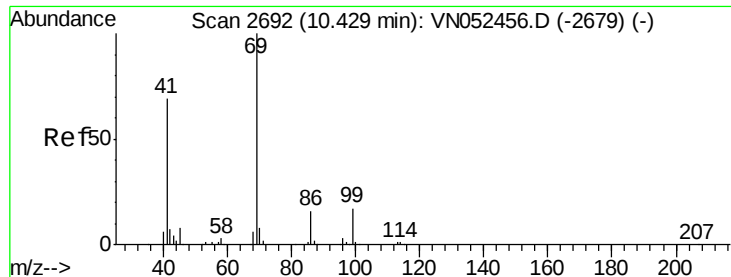
MMDadoda
 11/27/2018 3:52:12 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.62 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.4	105.6
85	57.3	45.0	67.6
99	63.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.40 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

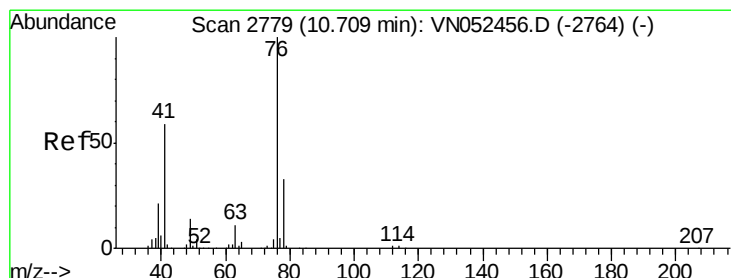
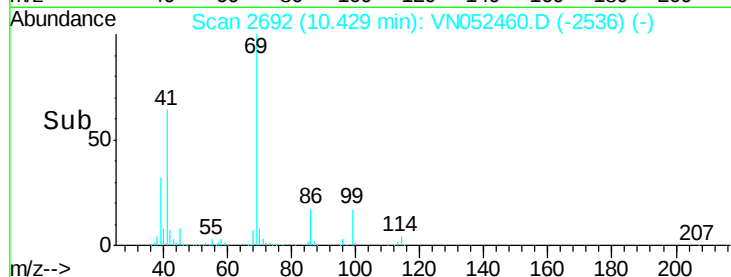
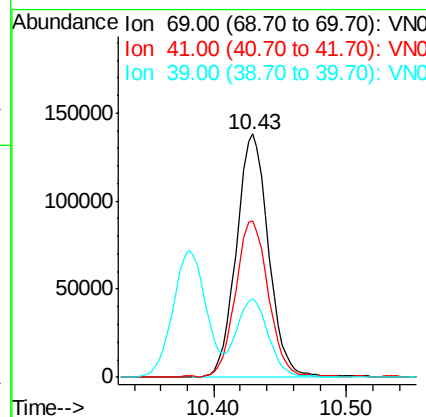
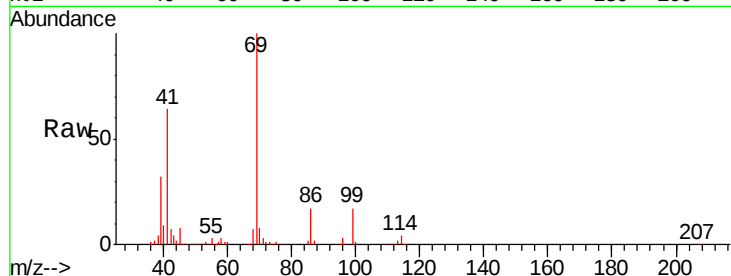
ClientSampleId :

ICVVN112618

Tgt Ion:	69	Resp:	232648
Ion	Ratio	Lower	Upper
69	100		
41	64.1	34.4	103.3
39	31.8	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.35 ug/l

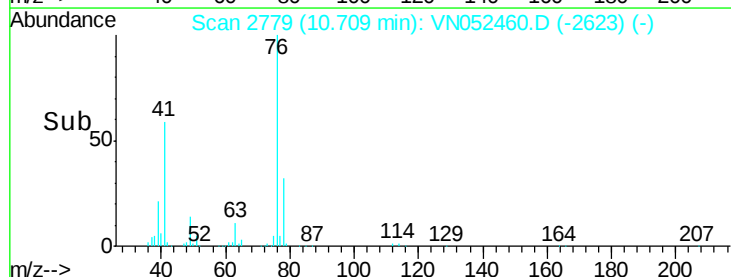
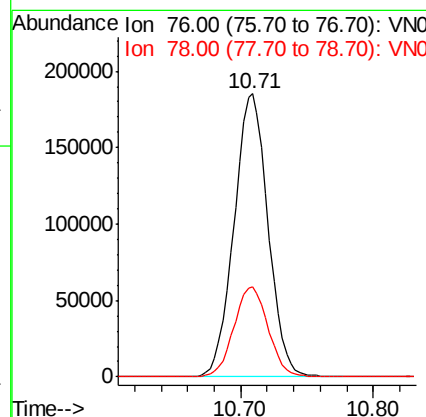
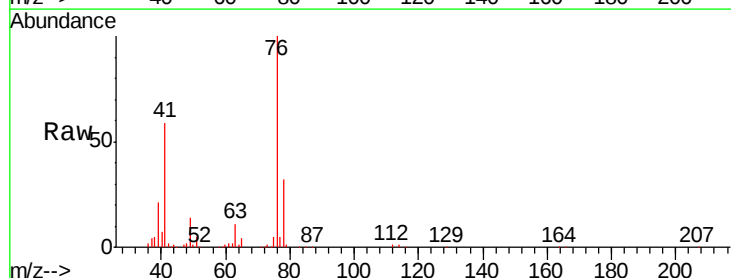
RT: 10.71 min Scan# 2779

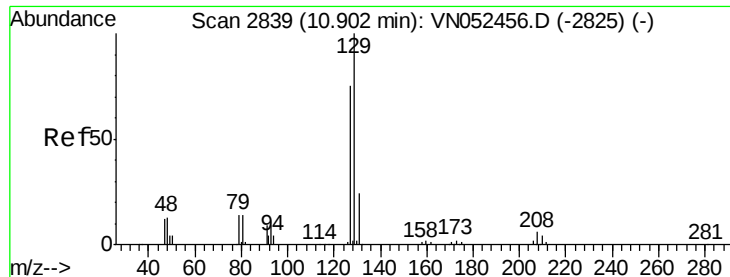
Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Tgt Ion:	76	Resp:	328775
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.8





#53

Dibromochloromethane

Concen: 19.42 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion:129 Resp: 204118

Ion Ratio Lower Upper

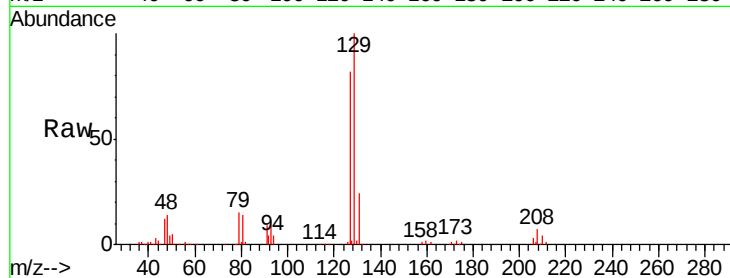
129 100

127 79.4 37.6 112.8

Manual Integrations
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

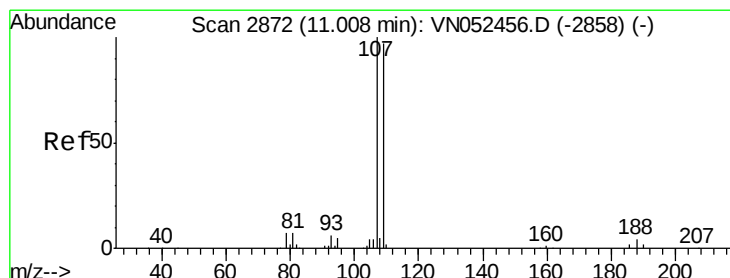
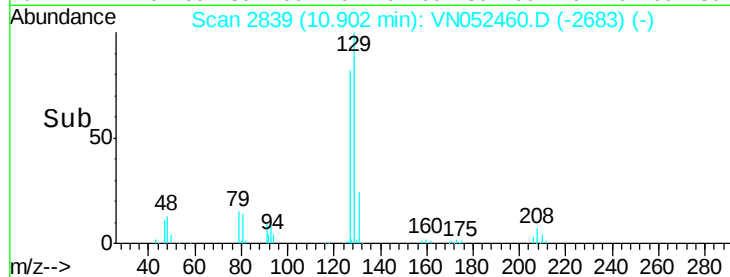
40000

20000

0

10.85 10.90 10.95 11.00

Time-->



#54

1,2-Dibromoethane

Concen: 19.92 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052460.D

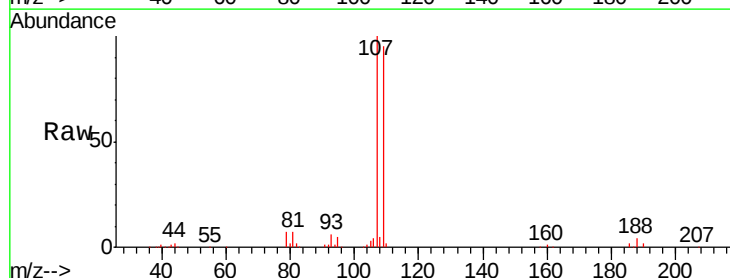
Acq: 26 Nov 2018 15:42

Tgt Ion:107 Resp: 185837

Ion Ratio Lower Upper

107 100

109 95.0 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

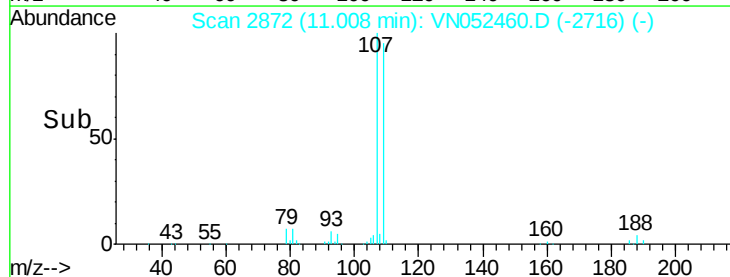
40000

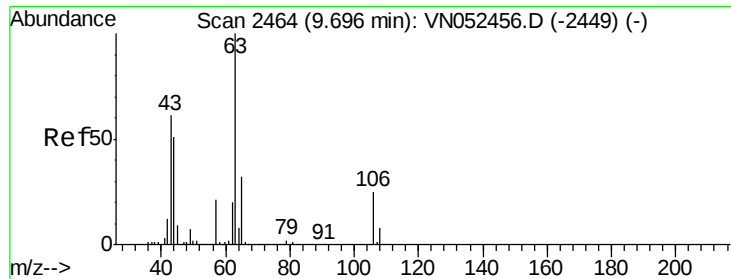
20000

0

10.95 11.00 11.05 11.10

Time-->





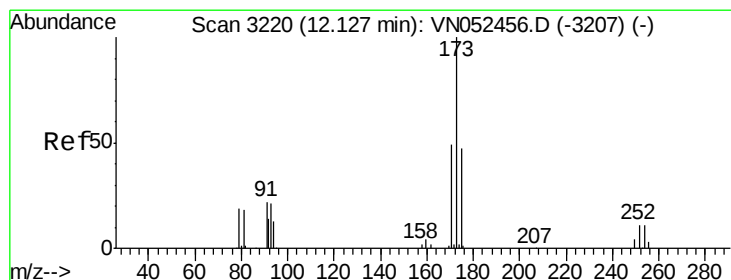
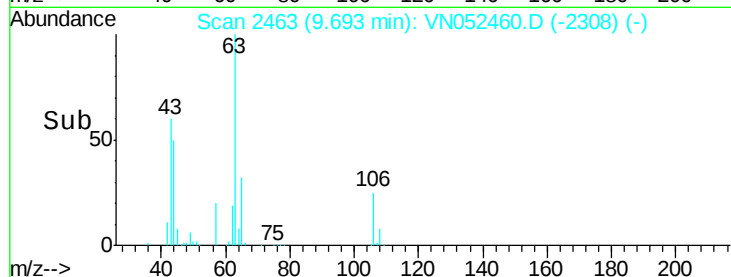
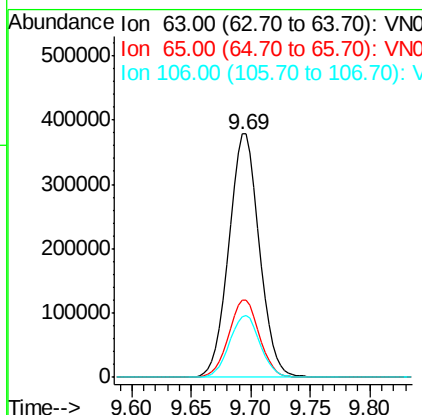
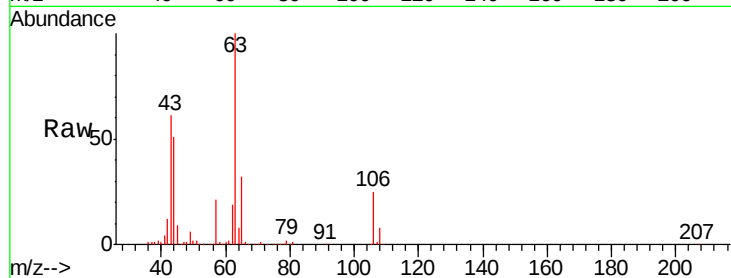
#55
2-Chloroethyl vinyl ether
Concen: 96.05 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	25.6	20.4	30.6

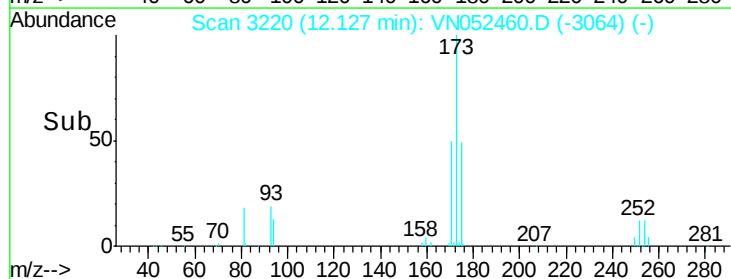
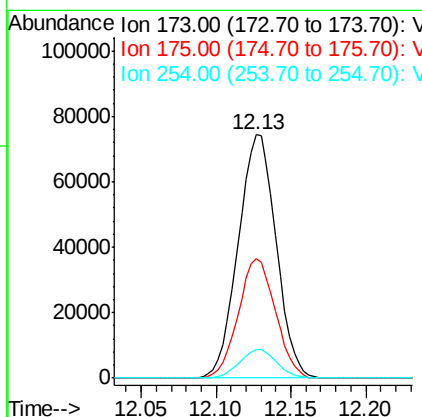
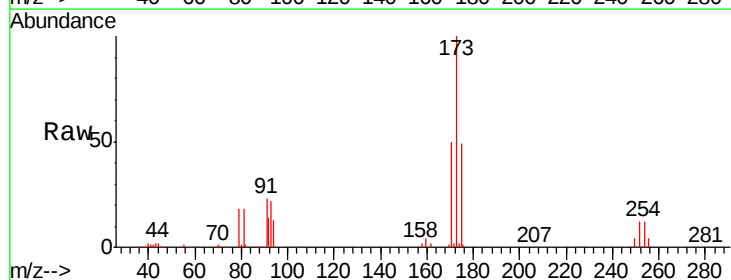
Manual Integrations
APPROVED

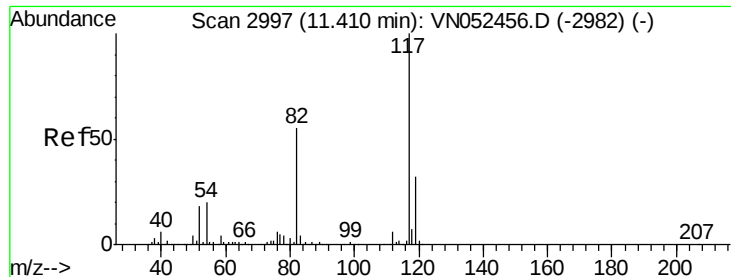
MMDadoda
11/27/2018 3:52:12 PM



#56
Bromoform
Concen: 19.10 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.7	58.1
254	11.5	8.4	12.6





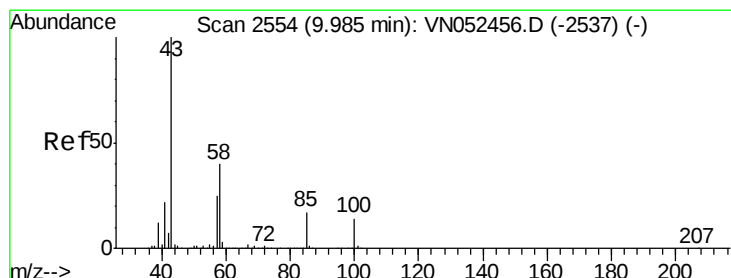
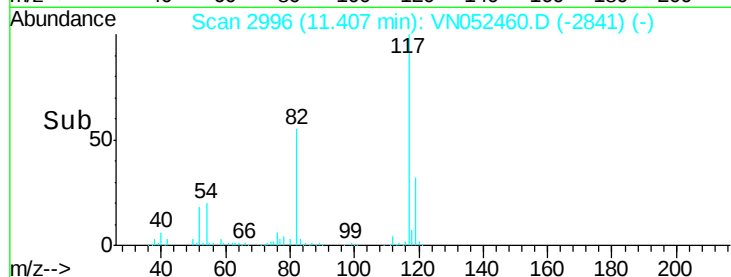
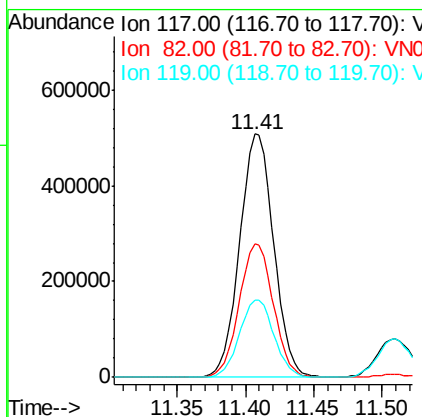
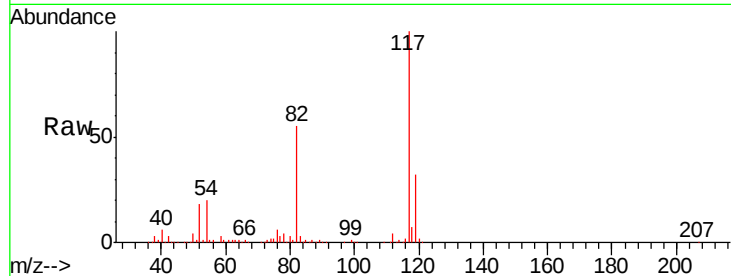
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	879745		
82	55.0	44.2	66.2	
119	32.3	25.4	38.2	

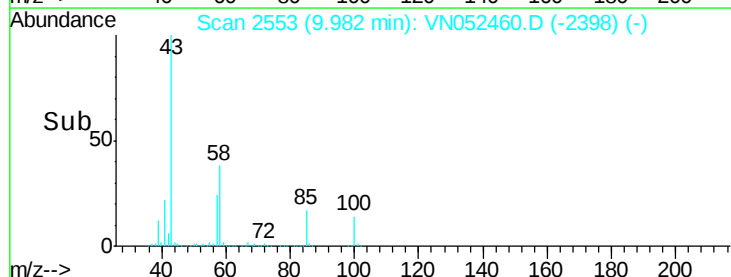
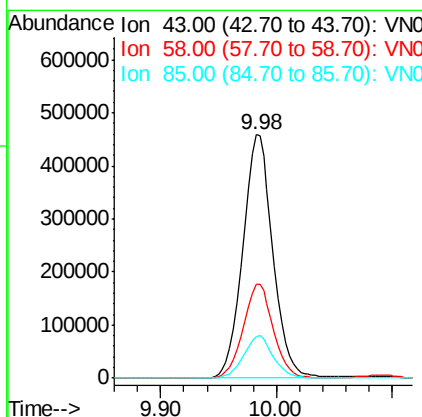
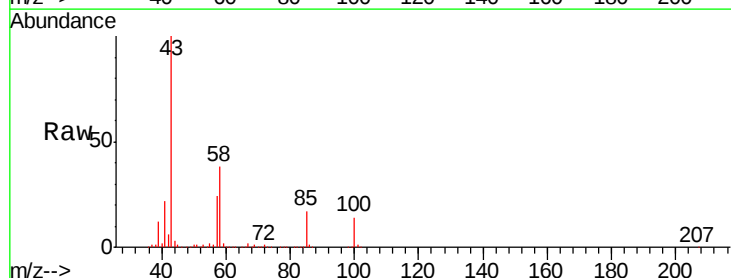
Manual Integrations
APPROVED

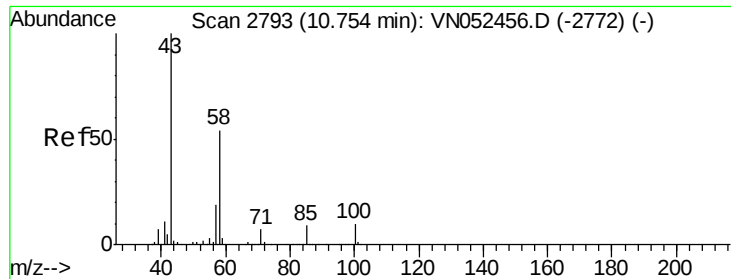
MMDadoda
11/27/2018 3:52:12 PM



#58
4-Methyl-2-Pentanone
Concen: 96.30 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	821313		
58	39.1	31.6	47.4	
85	17.1	13.3	19.9	





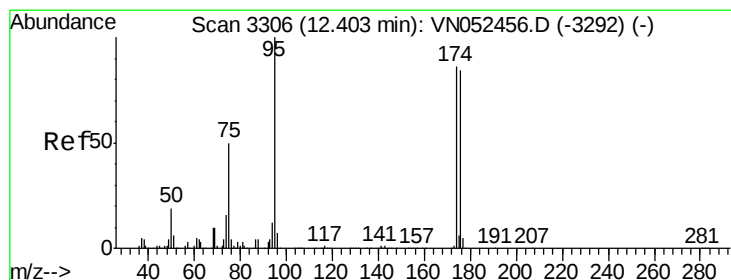
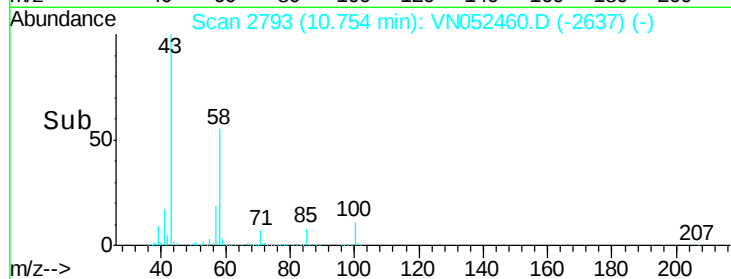
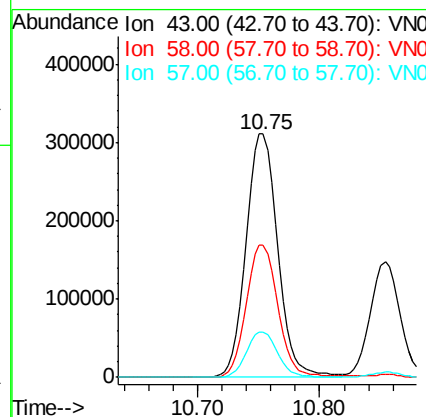
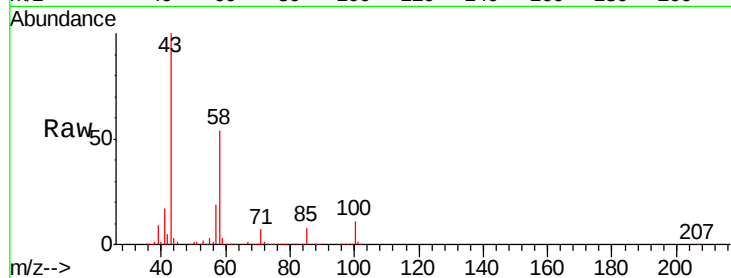
#59
2-Hexanone
Concen: 94.94 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.2	64.8
57	18.6	14.9	22.3

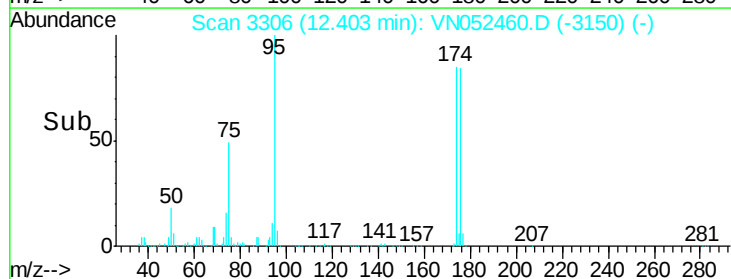
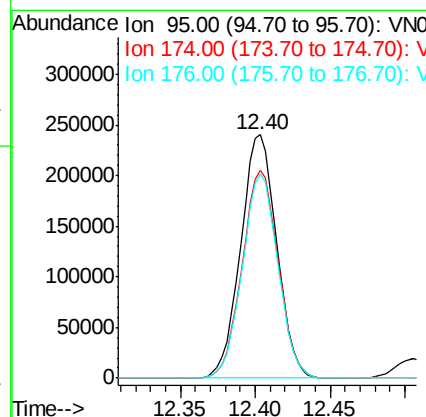
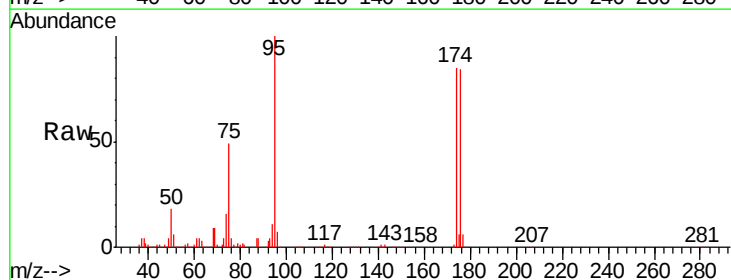
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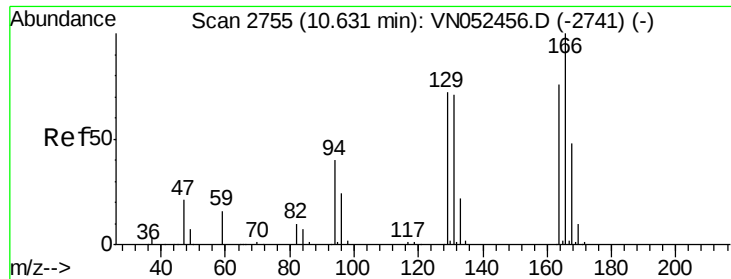
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 94.94 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	67.9	101.9
176	83.2	66.4	99.6





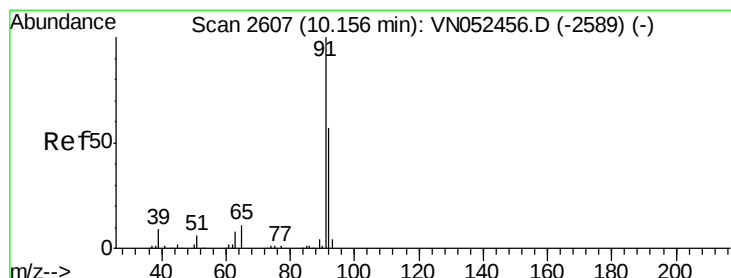
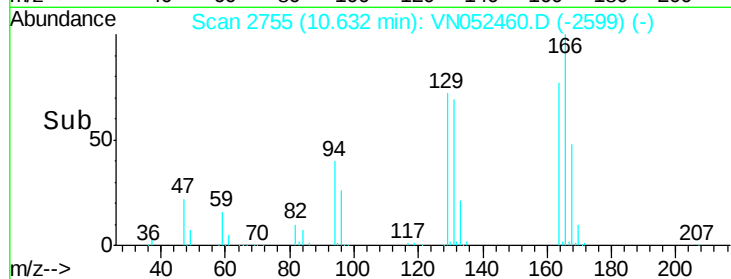
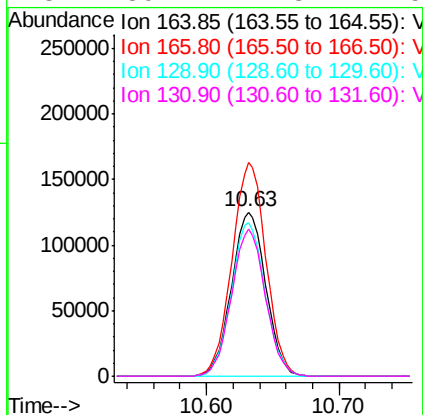
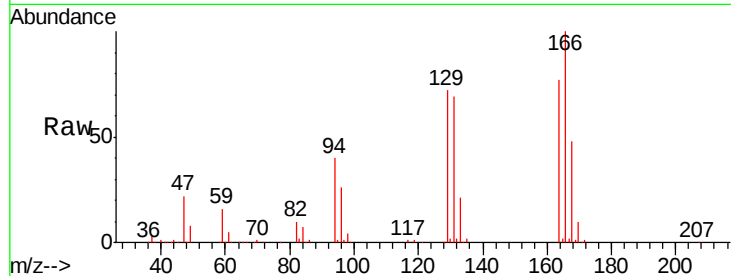
#61
Tetrachloroethene
Concen: 20.65 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	104.6	157.0
129	93.5	75.3	112.9
131	89.2	74.3	111.5

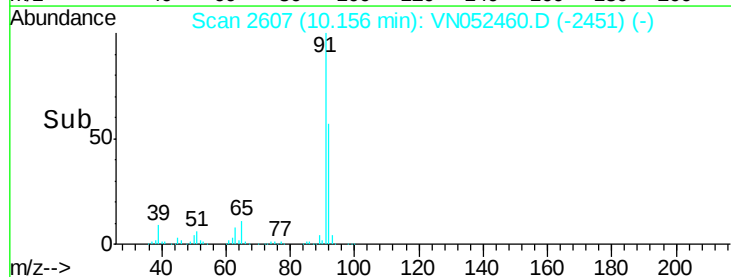
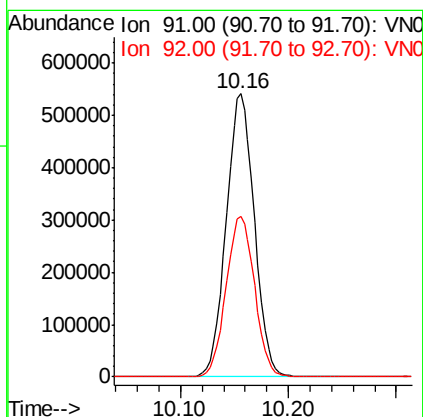
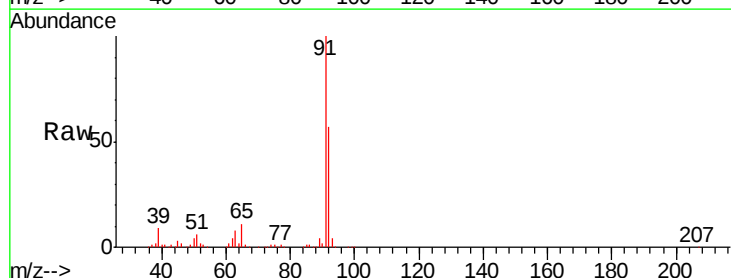
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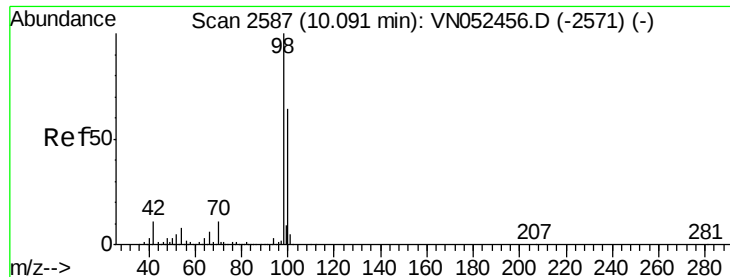
MMDadoda
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#62
Toluene
Concen: 20.26 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	45.4	68.2





#63

Toluene-d8

Concen: 20.26 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion: 98 Resp: 1238556

Ion Ratio Lower Upper

98 100

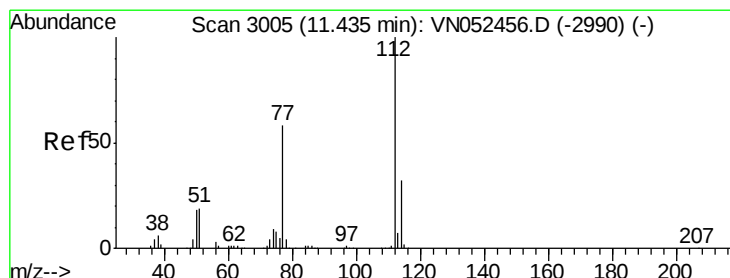
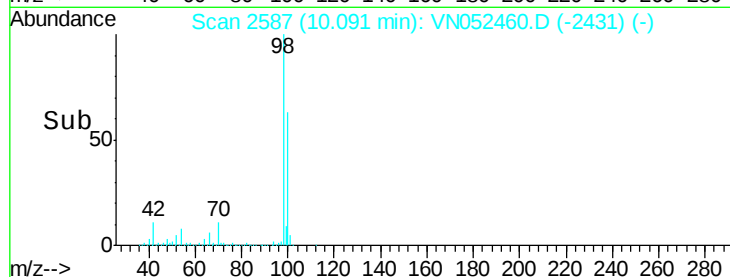
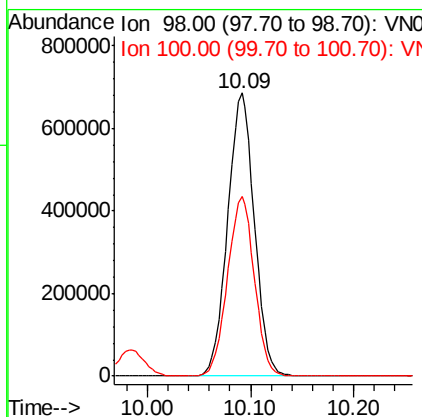
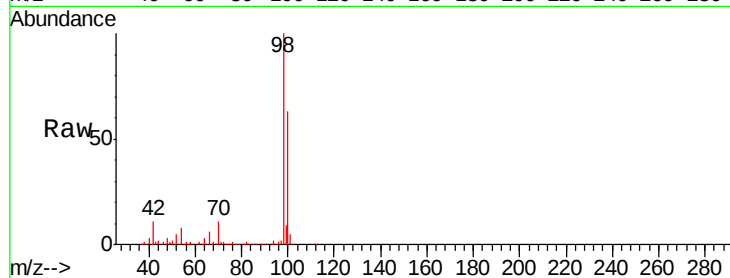
100 63.5 51.1 76.7

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#64

Chlorobenzene

Concen: 20.51 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052460.D

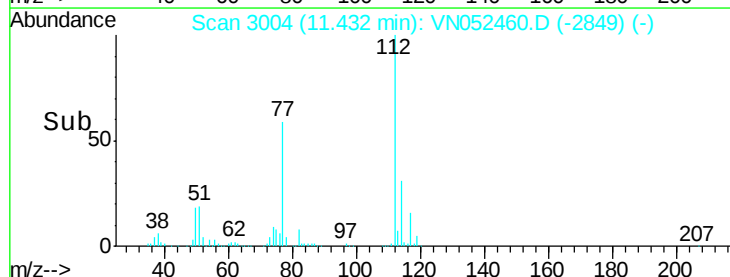
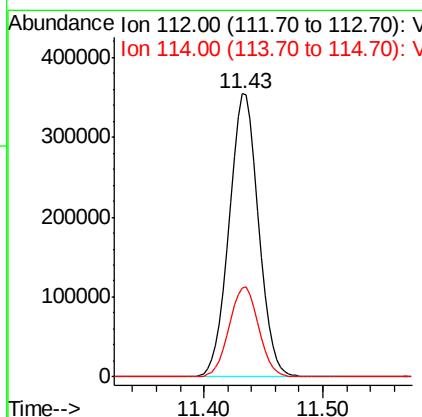
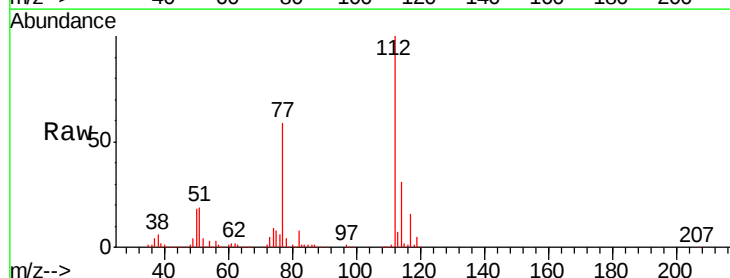
Acq: 26 Nov 2018 15:42

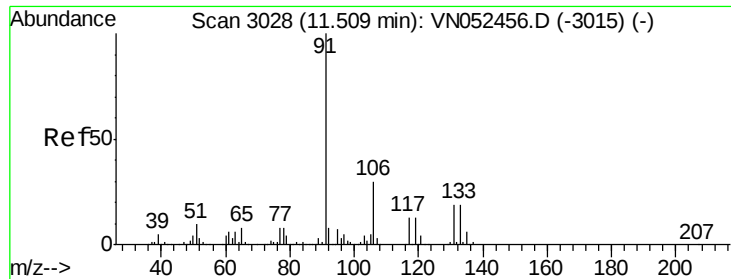
Tgt Ion: 112 Resp: 607010

Ion Ratio Lower Upper

112 100

114 31.4 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.09 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

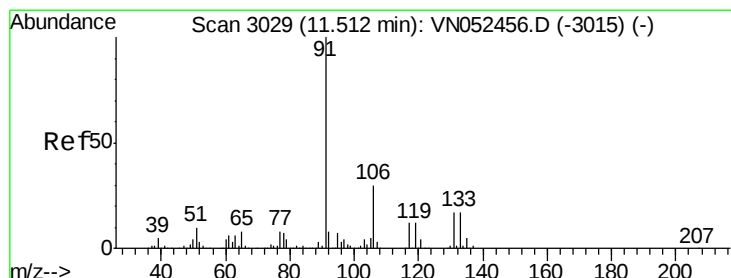
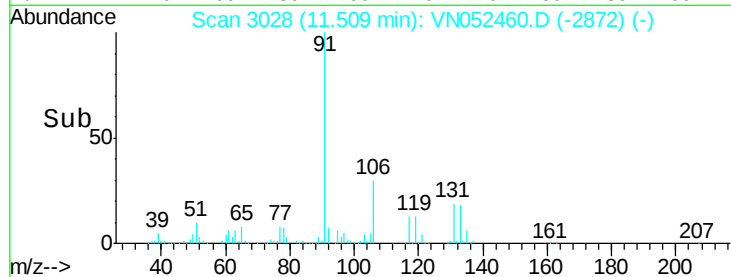
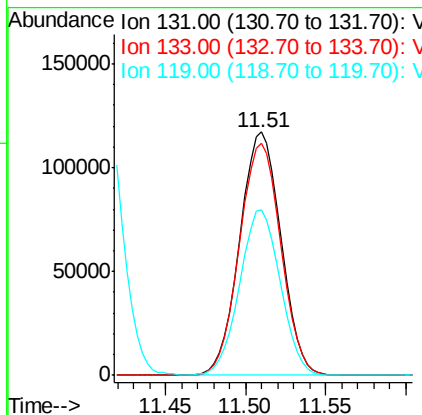
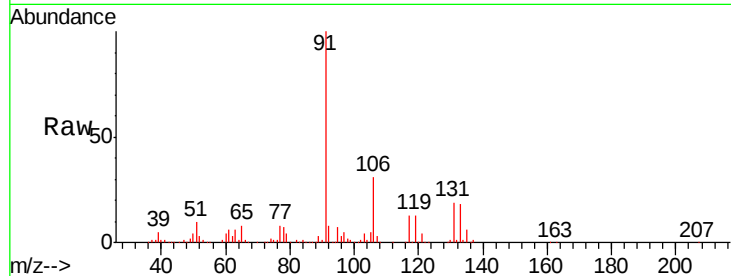
ClientSampleId :

ICVVN112618

Tgt Ion:	131	Resp:	206459
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	193.4
119	67.2	0.0	133.0

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#66

Ethyl Benzene

Concen: 20.33 ug/l

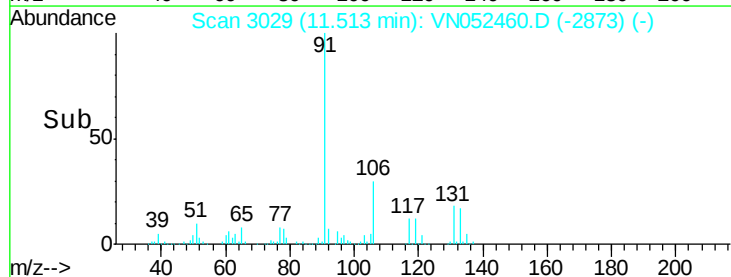
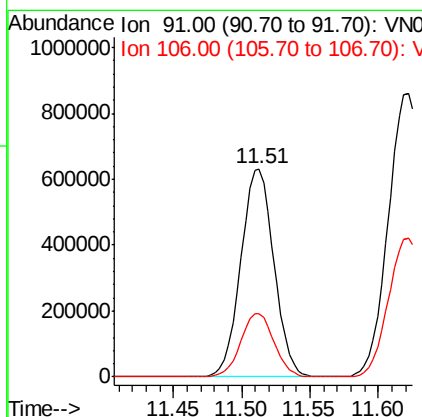
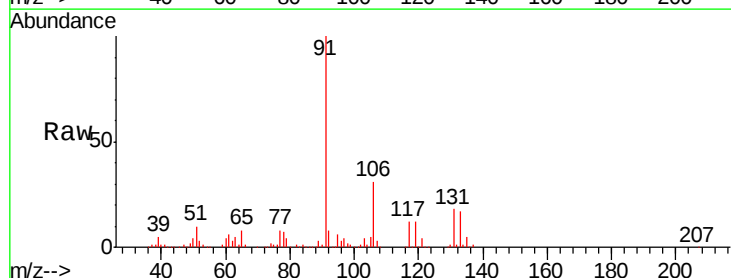
RT: 11.51 min Scan# 3029

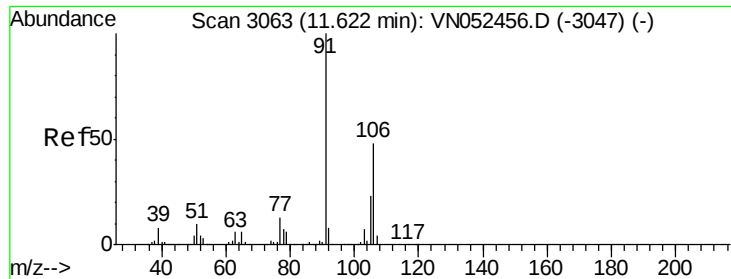
Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Tgt Ion:	91	Resp:	1062380
Ion Ratio	Lower	Upper	
91	100		
106	30.7	24.3	36.5





#67

m/p-Xylenes

Concen: 41.41 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion:106 Resp: 806476

Ion Ratio Lower Upper

106 100

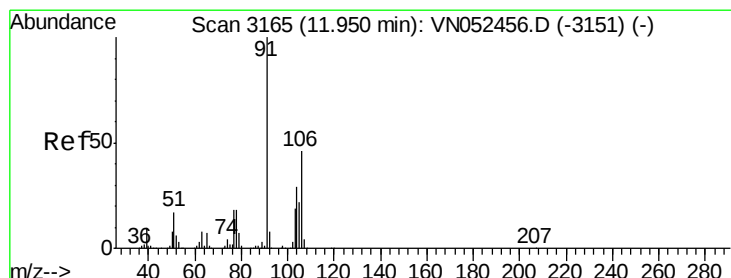
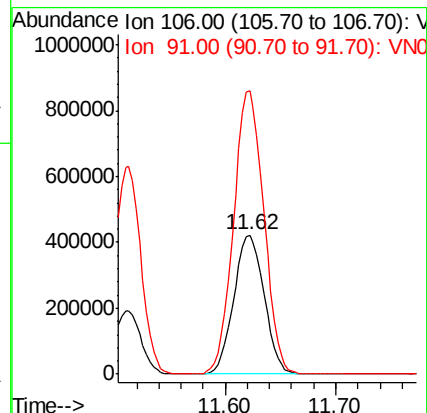
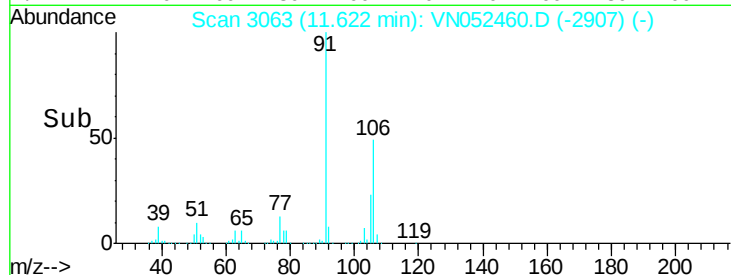
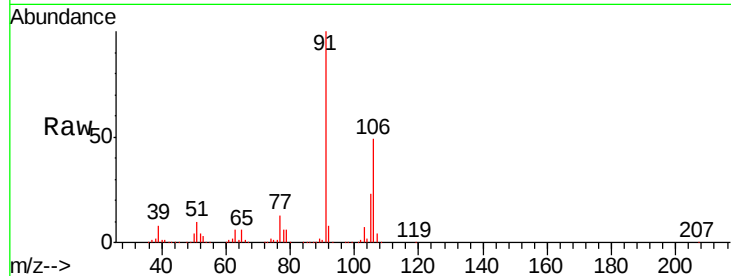
91 202.2 163.9 245.9

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#68

o-Xylene

Concen: 20.38 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052460.D

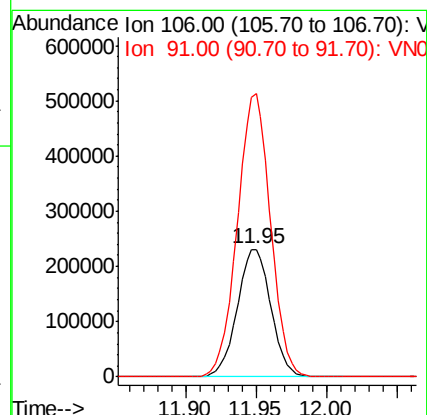
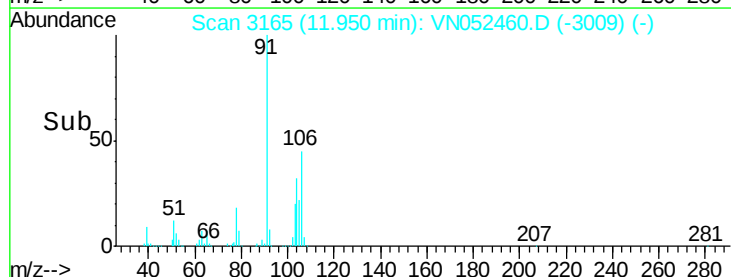
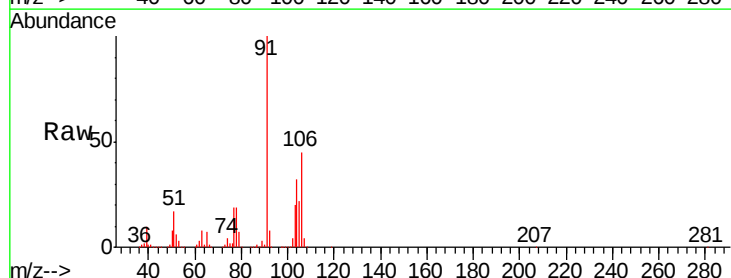
Acq: 26 Nov 2018 15:42

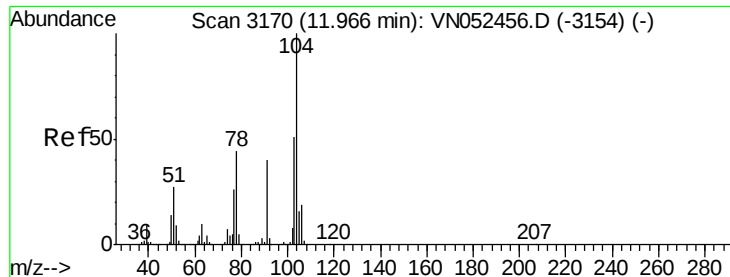
Tgt Ion:106 Resp: 385151

Ion Ratio Lower Upper

106 100

91 218.6 107.8 323.4





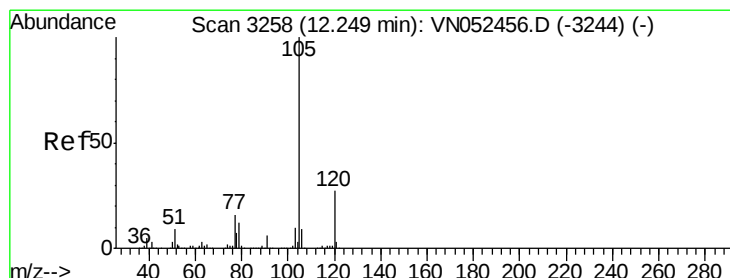
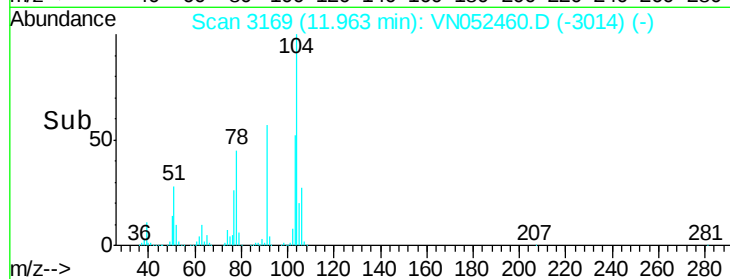
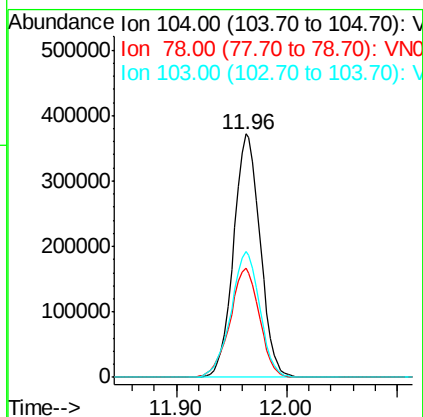
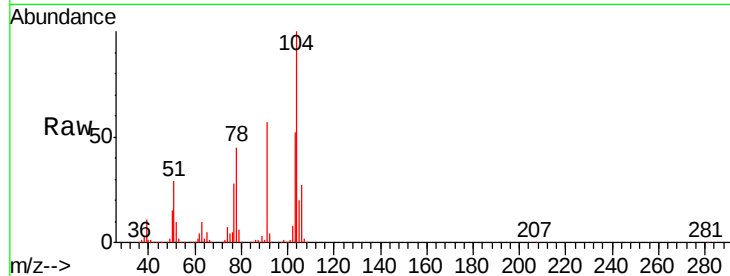
#69
Styrene
Concen: 20.38 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.5	39.3	58.9
103	55.9	44.6	66.8

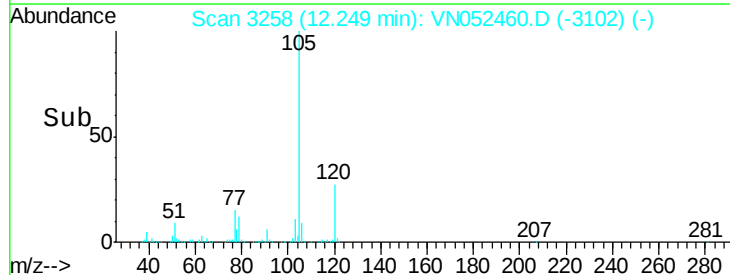
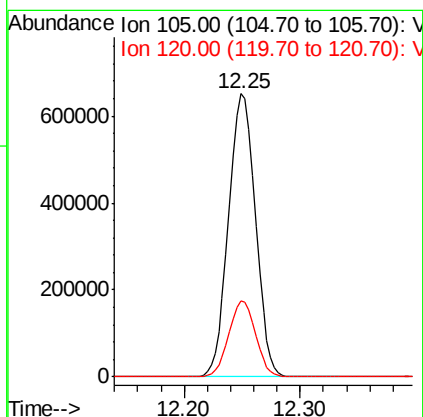
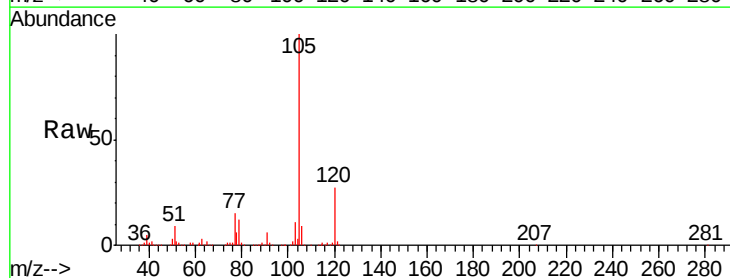
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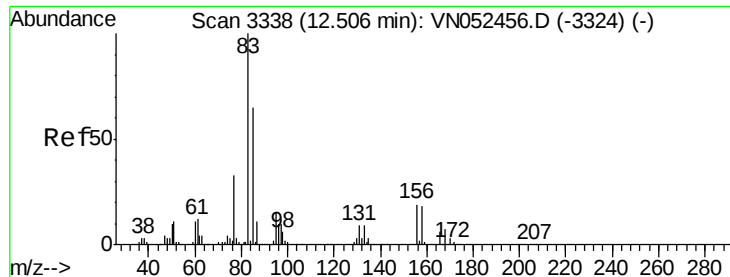
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#70
Isopropylbenzene
Concen: 20.74 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6





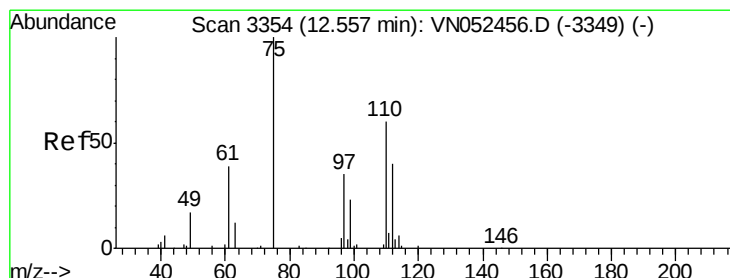
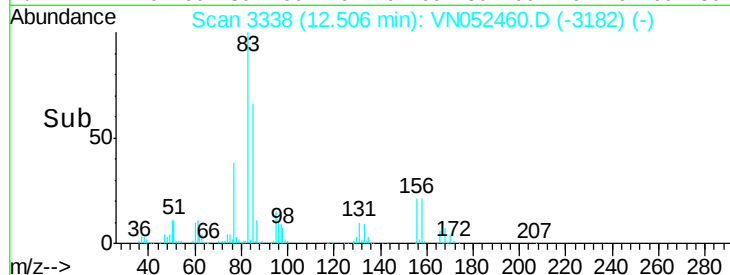
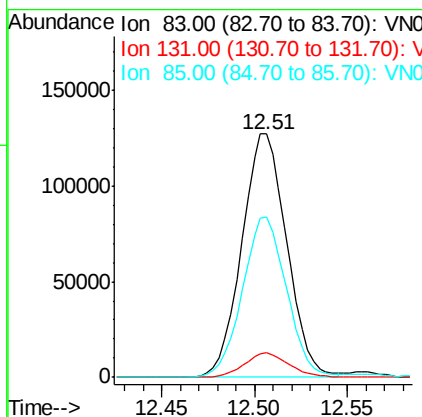
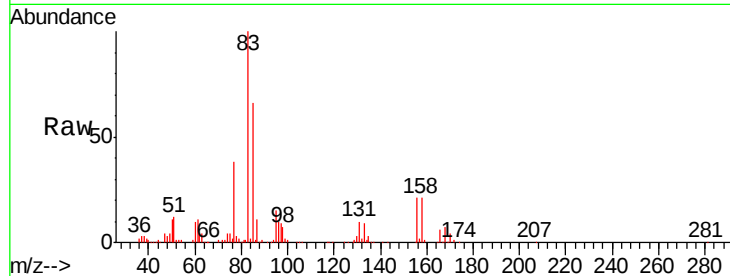
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.56 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.6
85	64.5	32.2	96.6

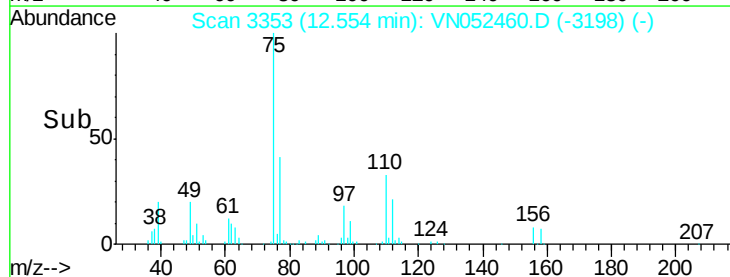
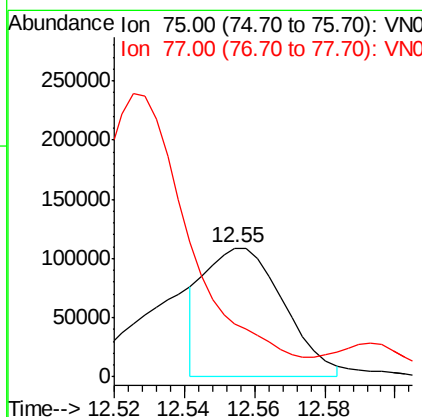
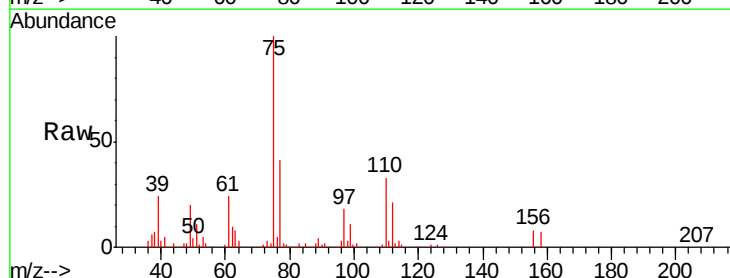
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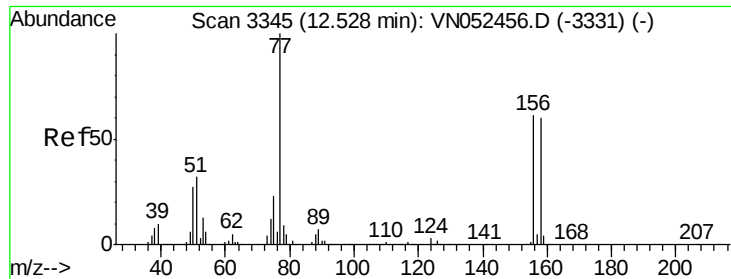
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#72
 1,2,3-Trichloropropane
 Concen: 18.09 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	274.4	0.0	514.8





#73

Bromobenzene

Concen: 20.50 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

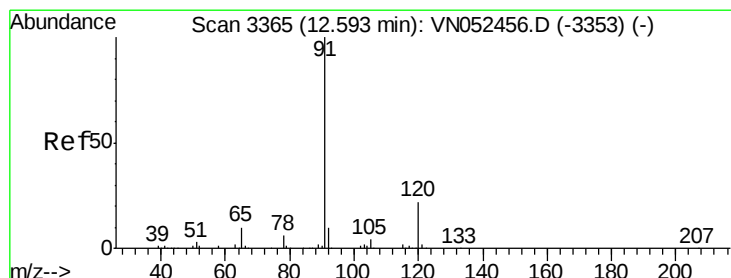
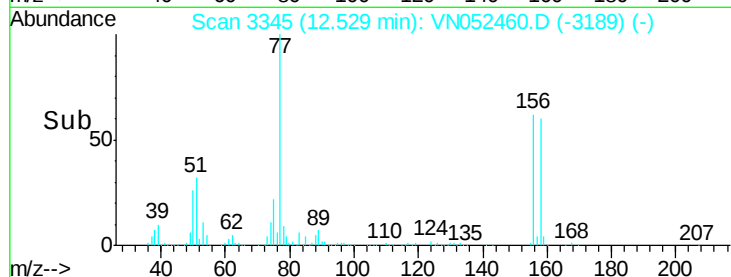
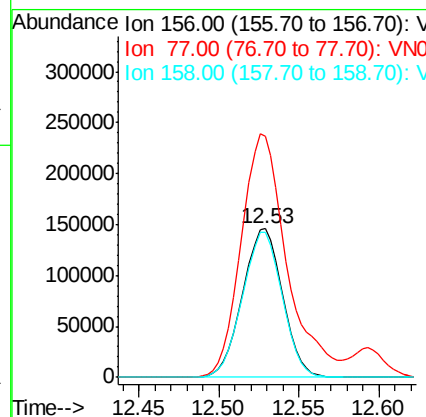
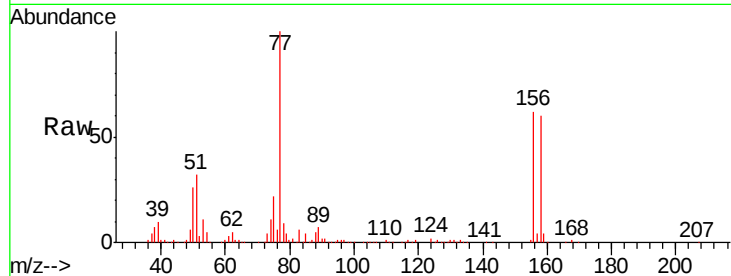
ClientSampleId :

ICVVN112618

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	249327		
77	186.9	0.0	382.6	
158	97.0	0.0	196.8	

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#74

n-propylbenzene

Concen: 20.71 ug/l

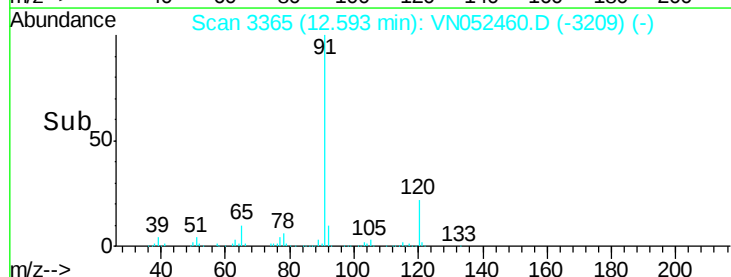
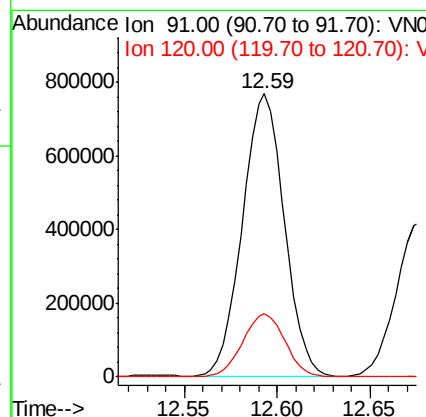
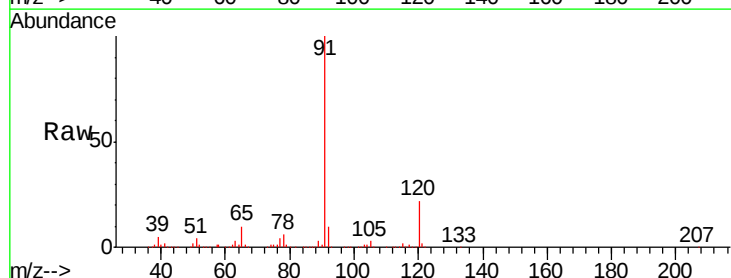
RT: 12.59 min Scan# 3365

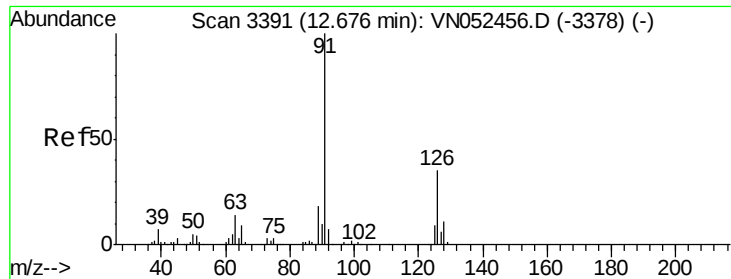
Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1213377		
120	22.5	0.0	44.6	





#75

2-Chlorotoluene

Concen: 20.74 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112618

Tgt Ion: 91 Resp: 705534

Ion Ratio Lower Upper

91 100

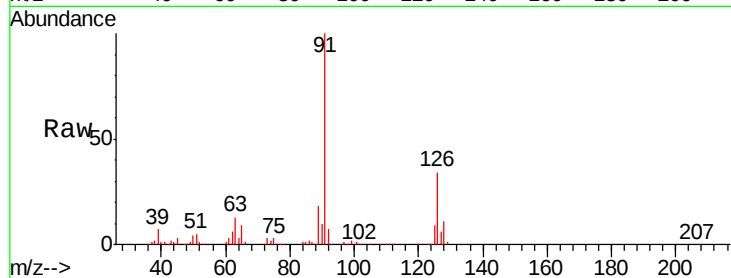
126 34.0 0.0 68.4

Manual Integrations

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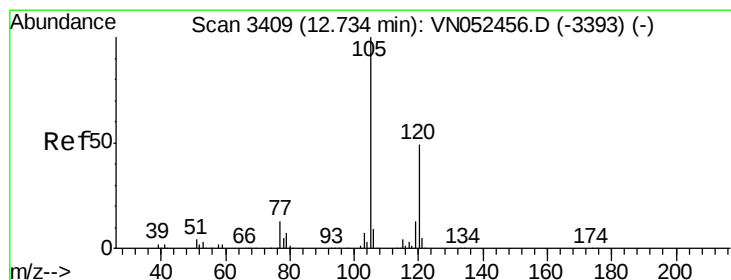
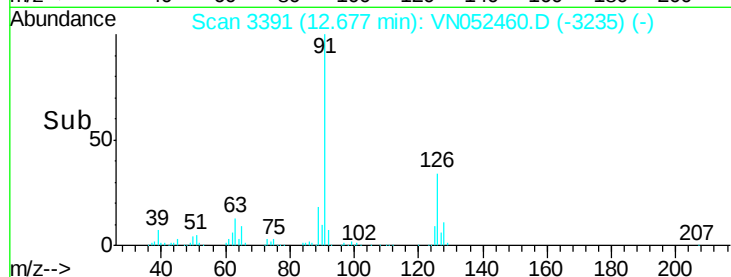
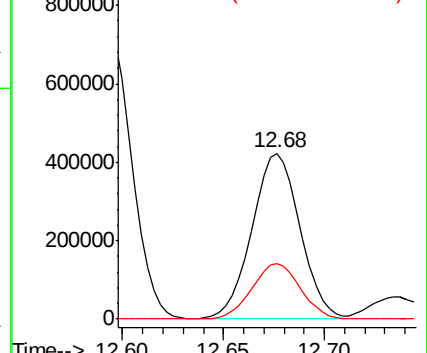
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN052460.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN052460.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.10 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052460.D

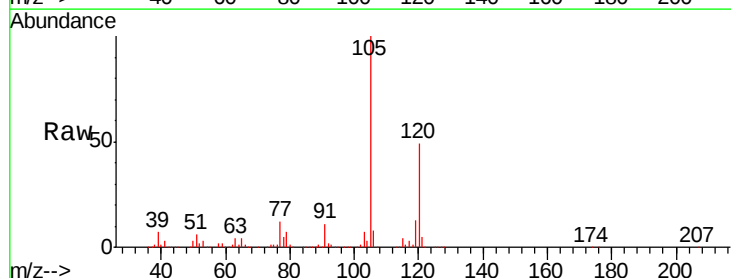
Acq: 26 Nov 2018 15:42

Tgt Ion: 105 Resp: 856901

Ion Ratio Lower Upper

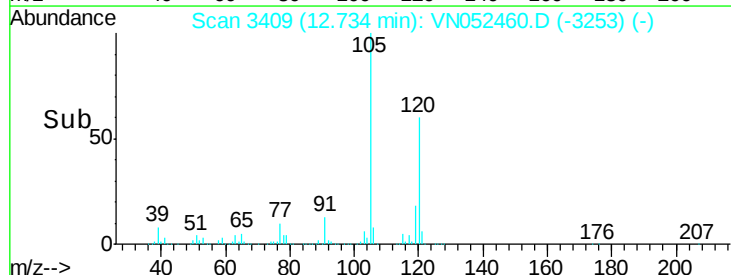
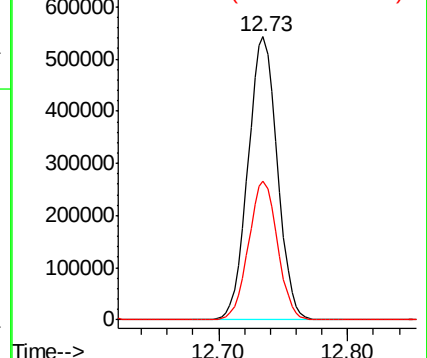
105 100

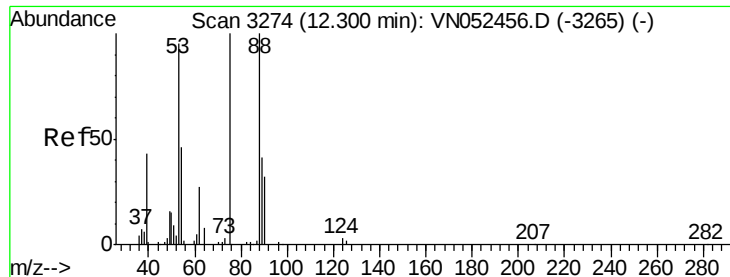
120 48.5 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052460.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN052460.D (-3253) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.87 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Instrument :

MSVOA_N

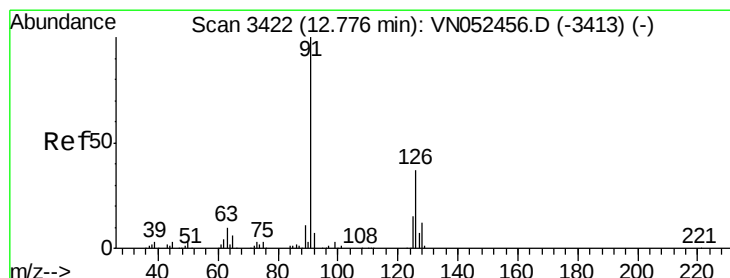
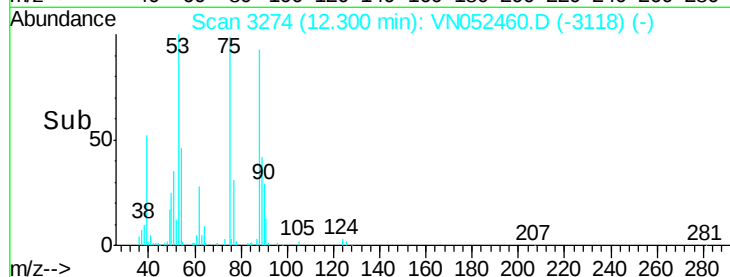
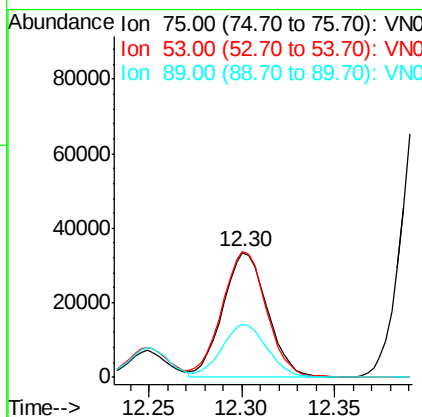
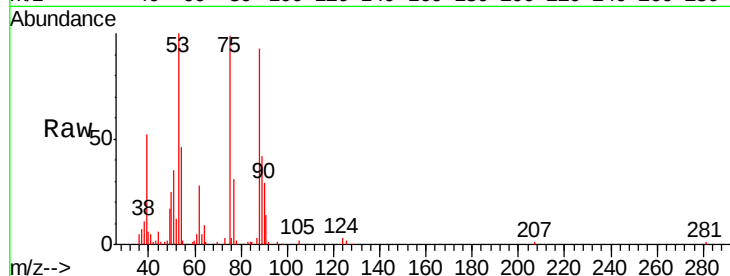
ClientSampleId :

ICVVN112618

Tgt Ion:	75	Resp:	55977
Ion	Ratio	Lower	Upper
75	100		
53	100.8	48.5	145.6
89	43.1	21.7	65.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.63 ug/l

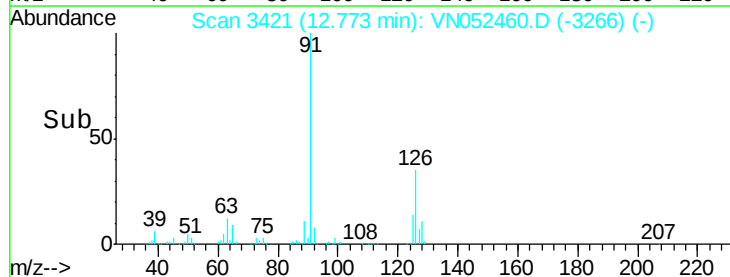
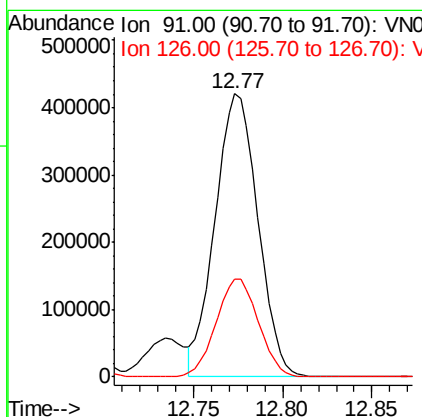
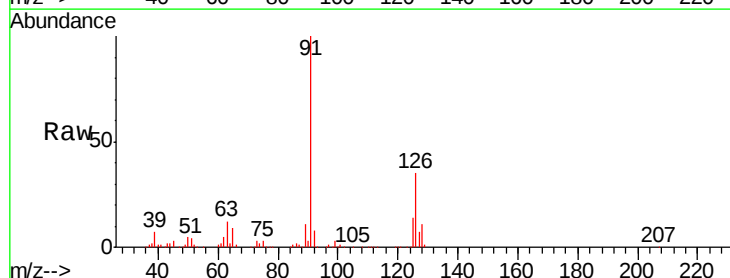
RT: 12.77 min Scan# 3421

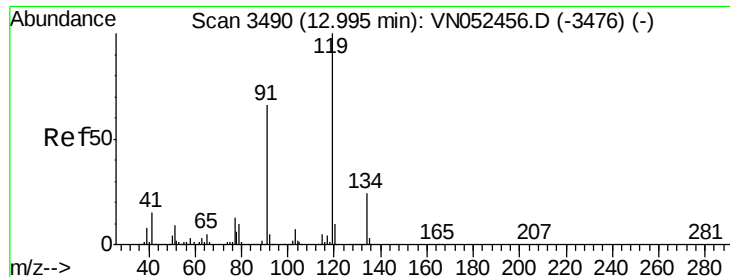
Delta R.T. -0.00 min

Lab File: VN052460.D

Acq: 26 Nov 2018 15:42

Tgt Ion:	91	Resp:	700830
Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	68.2





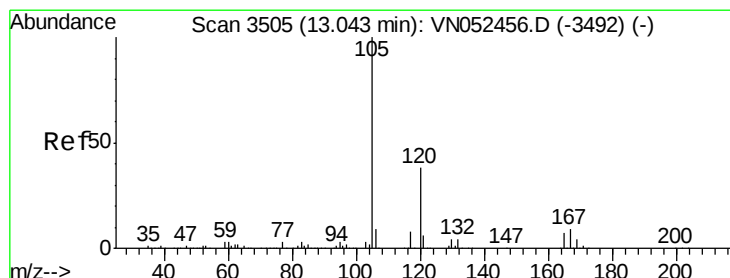
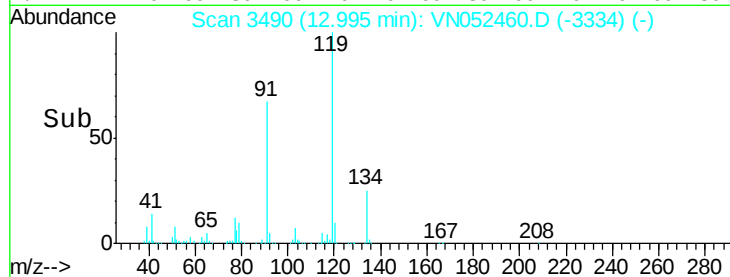
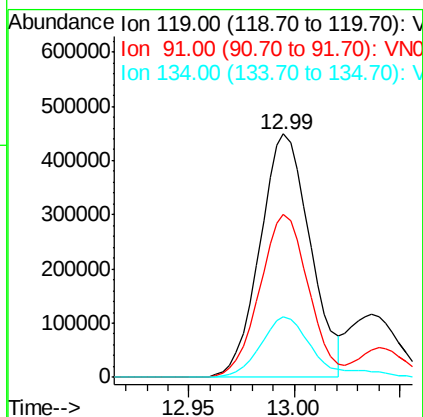
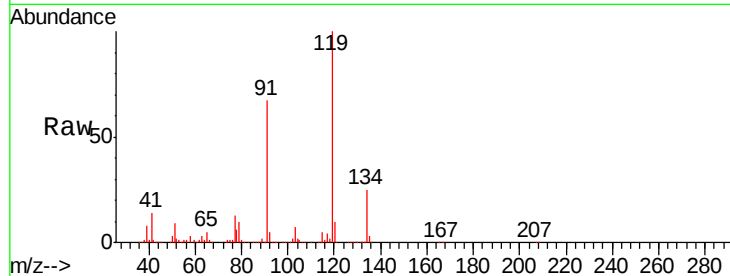
#79
tert-butylbenzene
Concen: 21.07 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	745396		
91	64.8	0.0	129.8	
134	24.6	0.0	52.2	

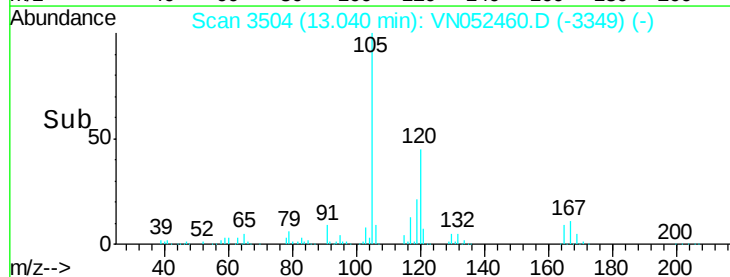
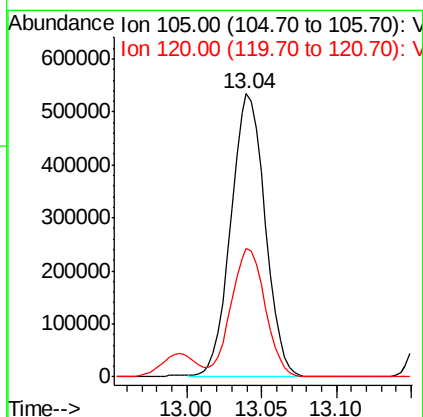
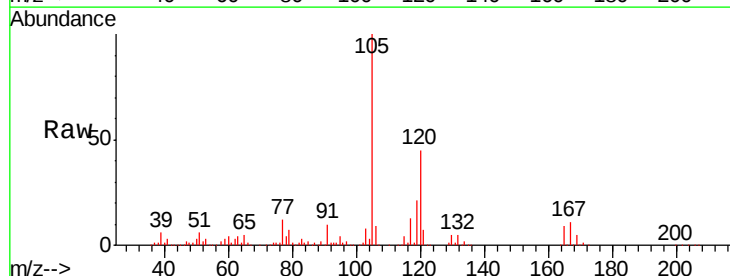
Manual Integrations
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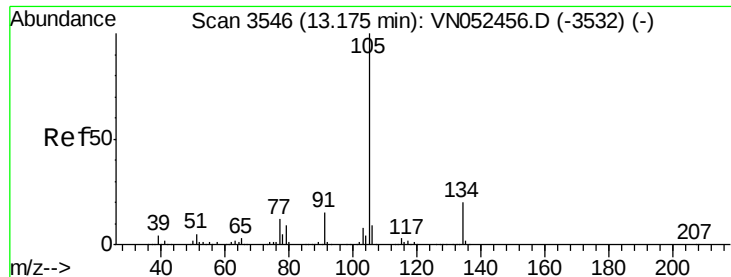
MMDadoda
11/27/2018 3:52:12 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.97 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	852276		
120	45.1	0.0	91.0	





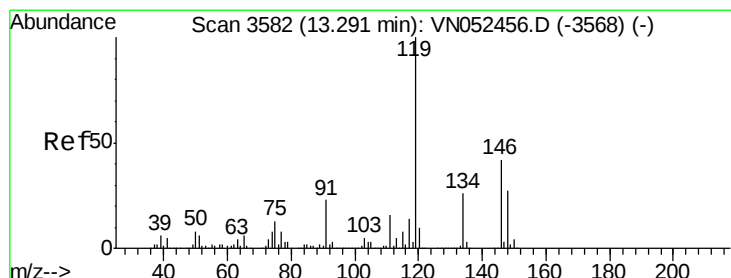
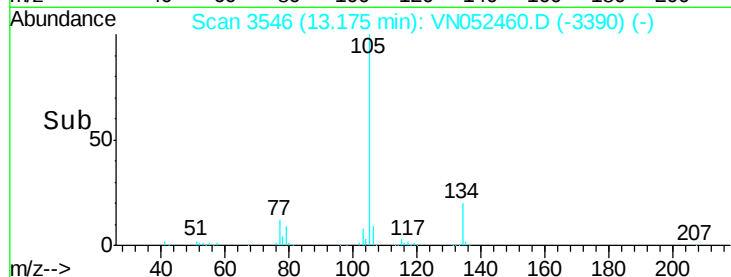
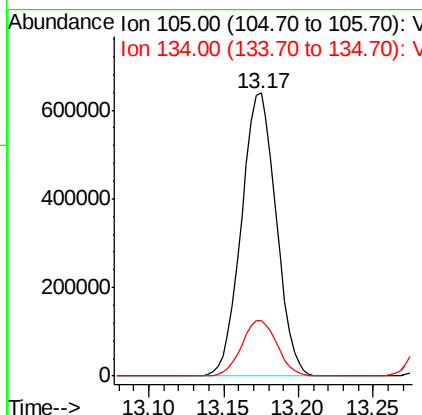
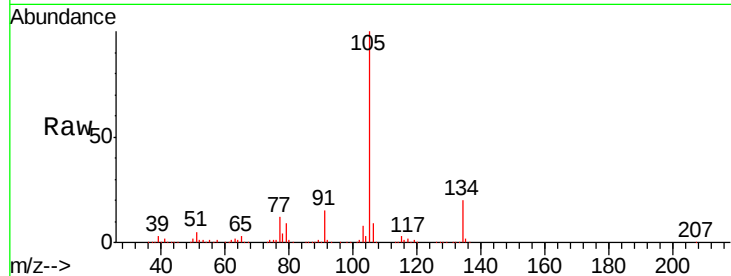
#81
 sec-Butylbenzene
 Concen: 20.98 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion:105 Resp: 1033562
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 40.4

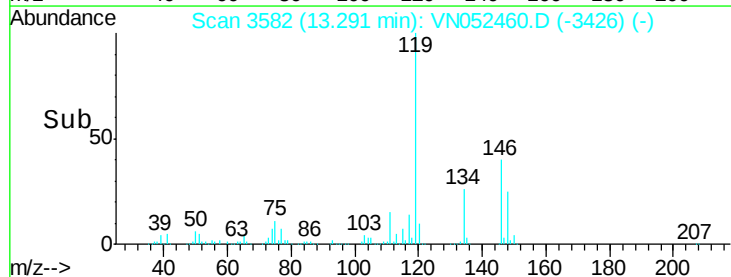
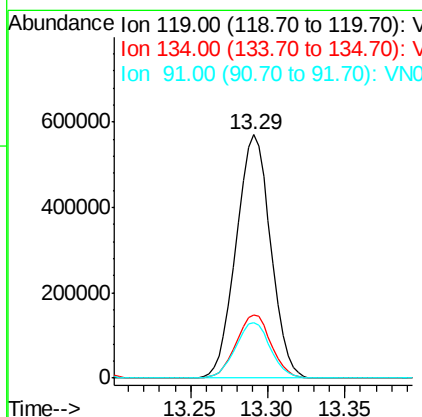
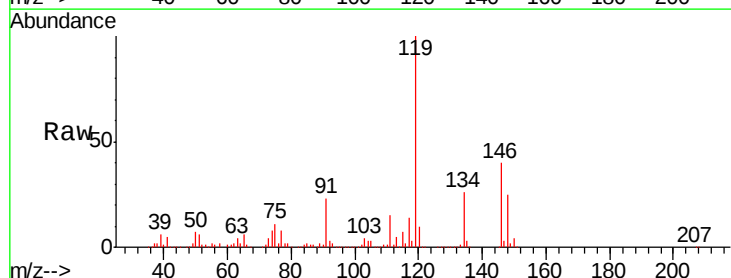
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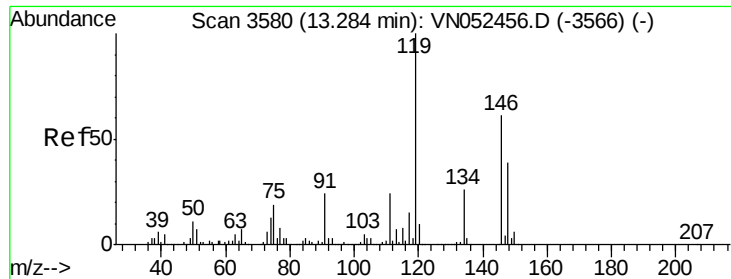
MMDadoda
 11/27/2018 3:52:12 PM



#82
 p-Isopropyltoluene
 Concen: 21.04 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion:119 Resp: 882710
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.6
 91 23.0 0.0 46.2





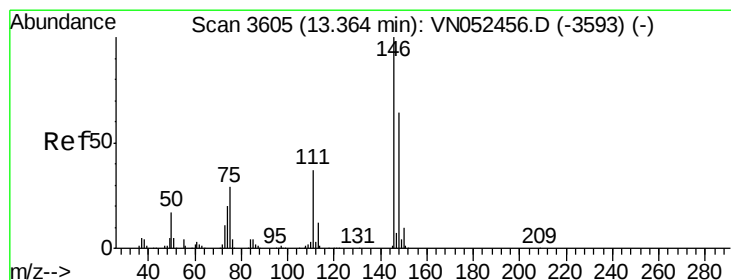
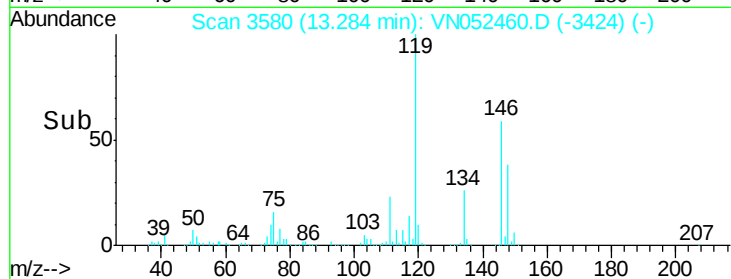
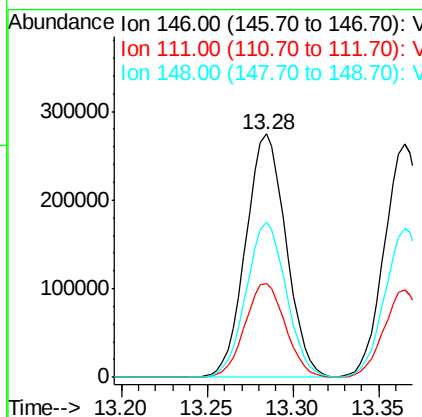
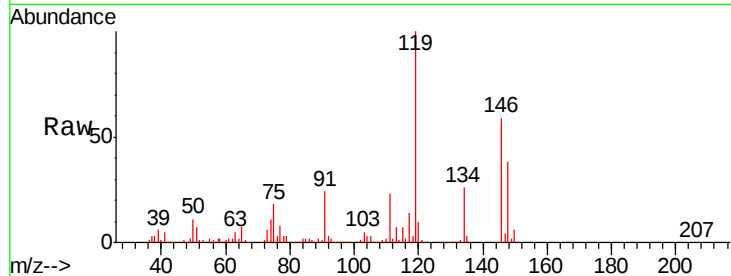
#83
1,3-Dichlorobenzene
Concen: 20.95 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVNN112618

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	63.2	32.3	96.8

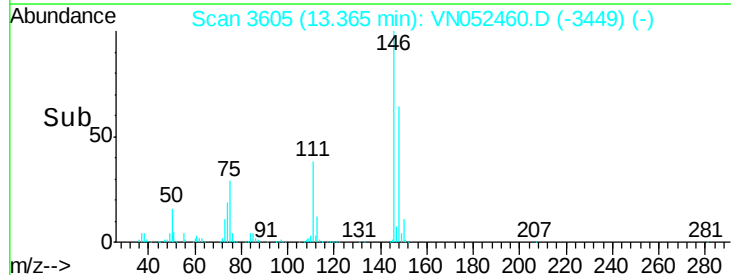
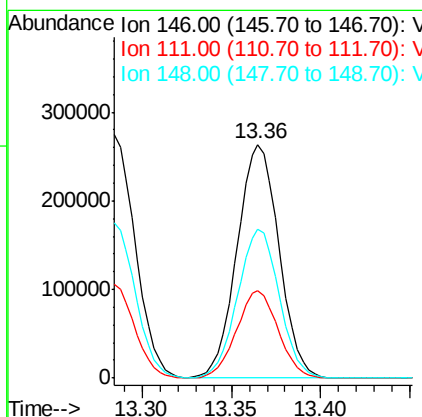
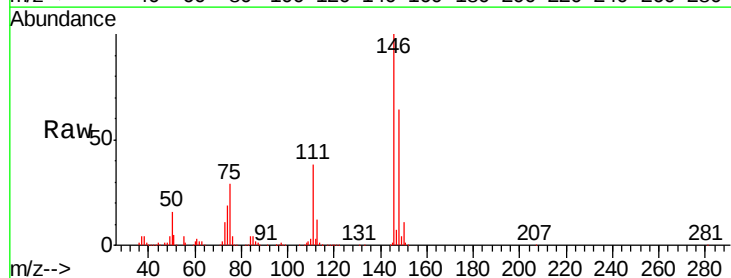
Manual Integrations
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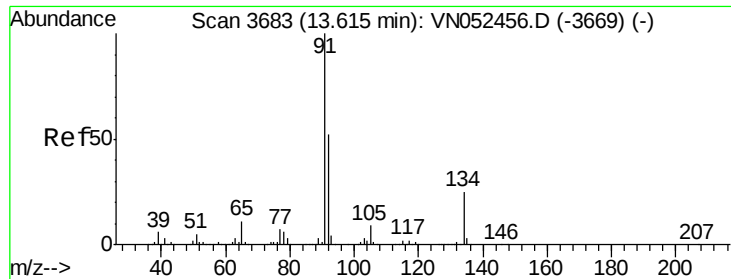
MMDadoda
11/27/2018 3:52:12 PM



#84
1,4-Dichlorobenzene
Concen: 20.83 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	63.4	32.5	97.4





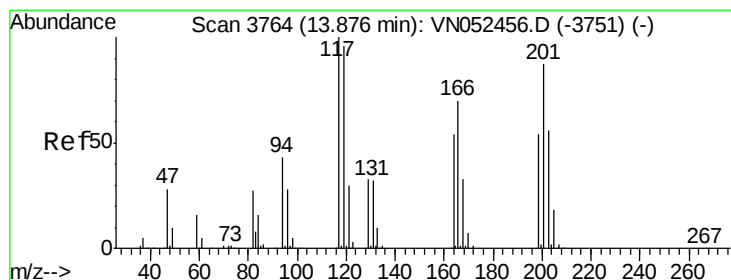
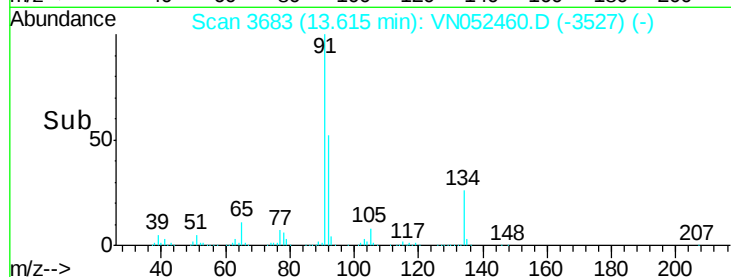
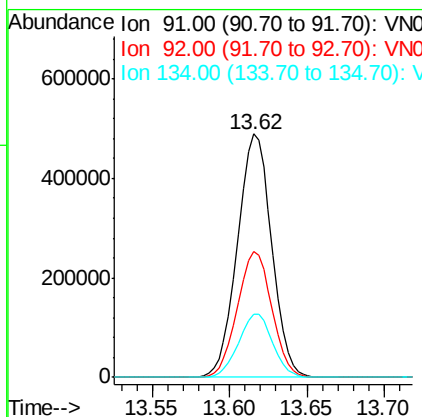
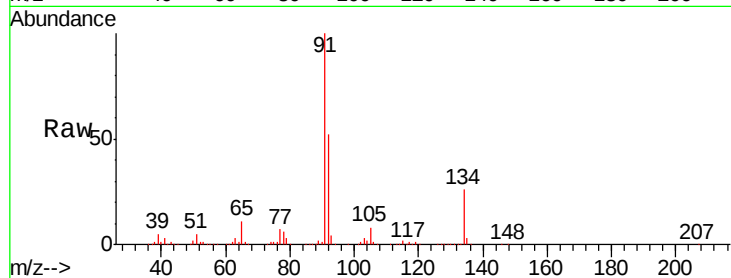
#85
n-Butylbenzene
Concen: 20.87 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	104.2
134	25.8	0.0	50.6

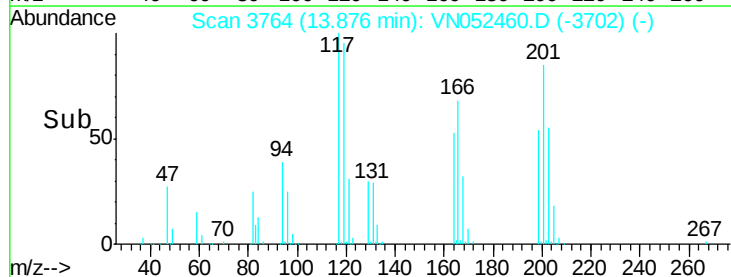
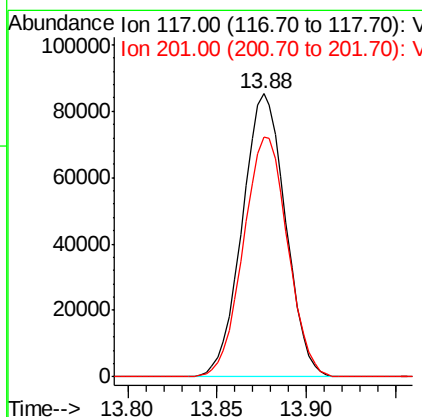
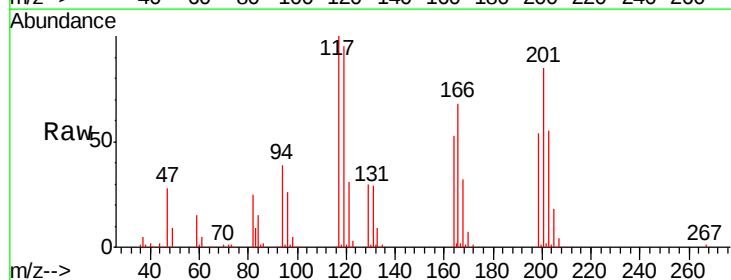
Manual Integrations
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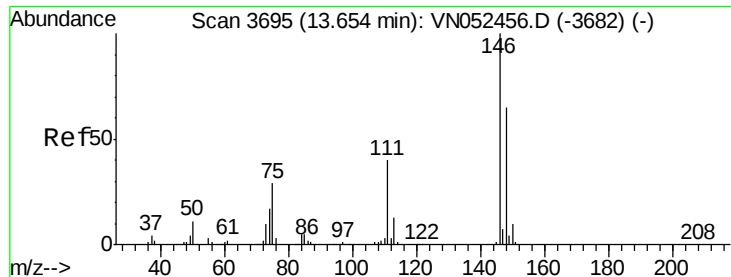
MMDadoda
11/27/2018 3:52:12 PM



#86
Hexachloroethane
Concen: 20.31 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	43.8	131.3





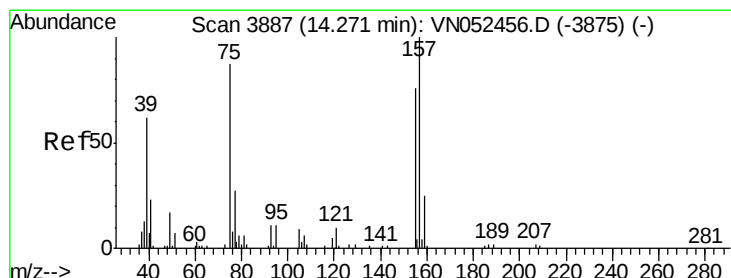
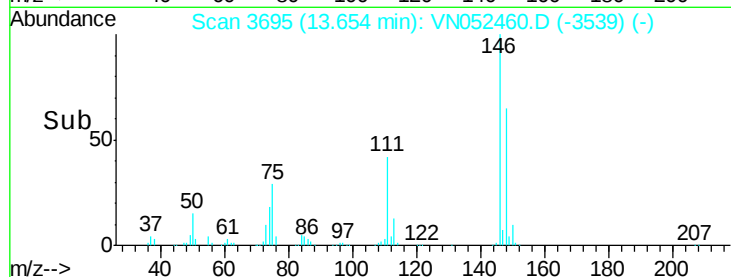
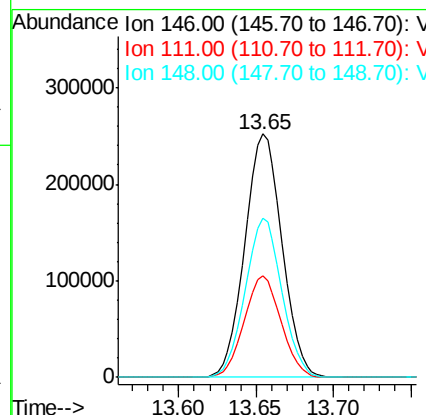
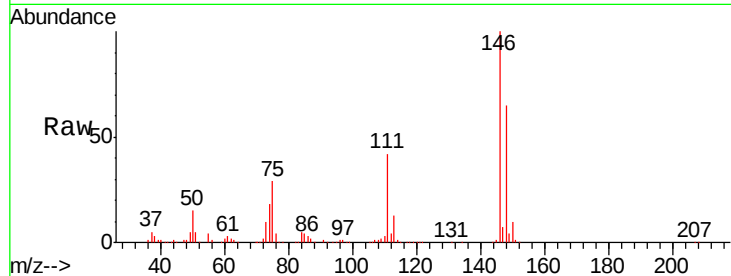
#87
 1,2-Dichlorobenzene
 Concen: 20.74 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	60.8
148	64.3	32.1	96.5

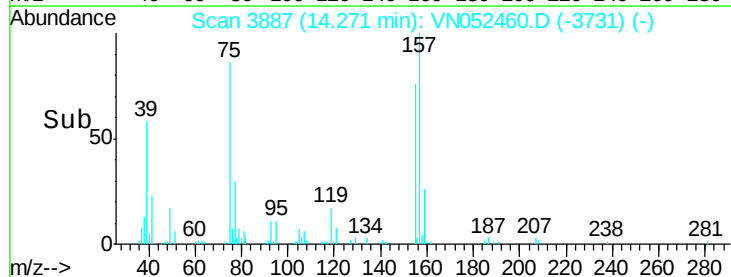
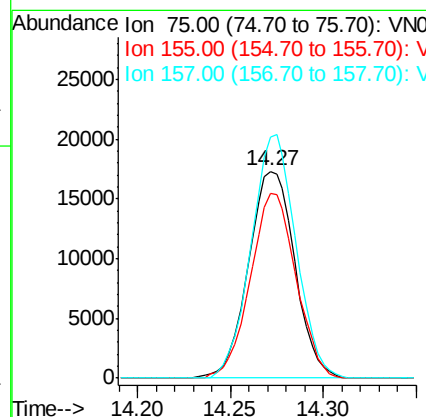
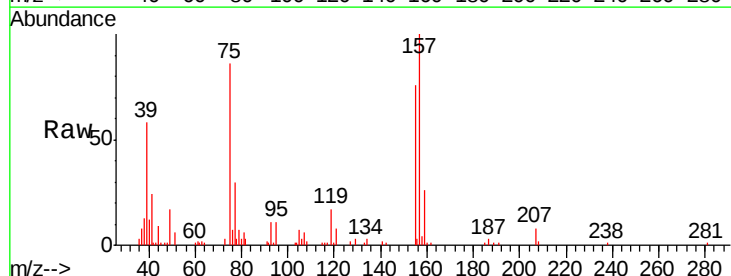
Manual Integrations
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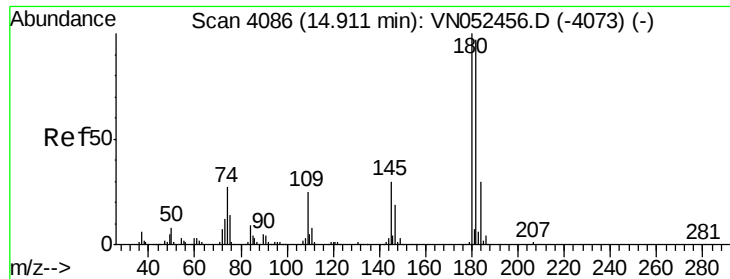
MMDadoda
 11/27/2018 3:52:12 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.59 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	72.2	108.2
157	113.5	94.2	141.2





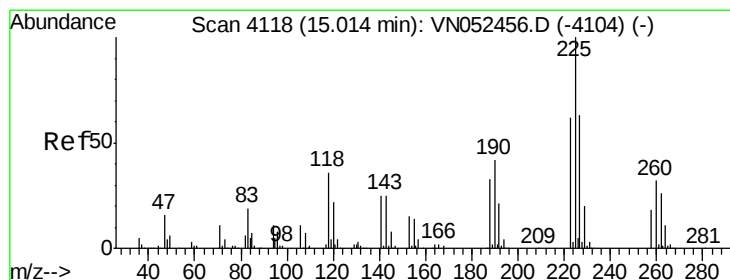
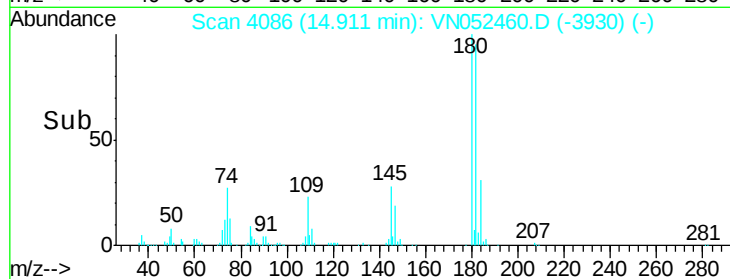
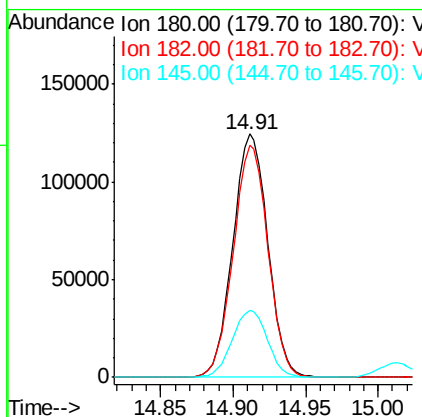
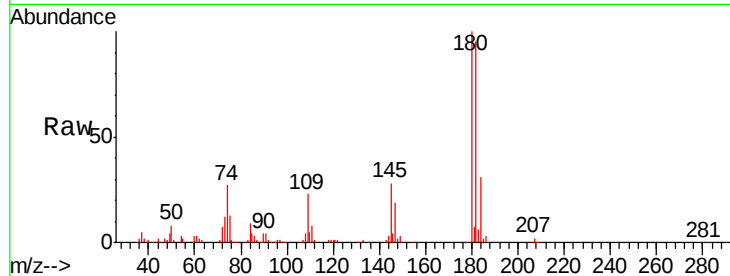
#89
 1,2,4-Trichlorobenzene
 Concen: 20.78 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	208419		
182	94.5	76.6	114.8	
145	27.8	23.6	35.4	

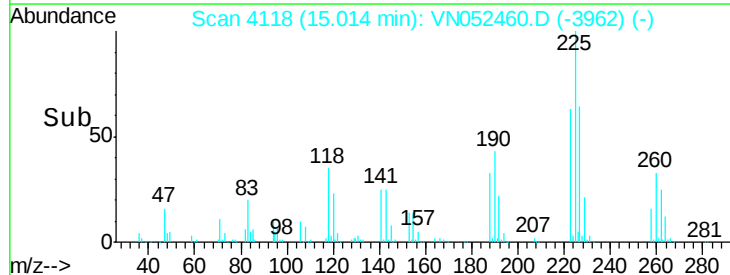
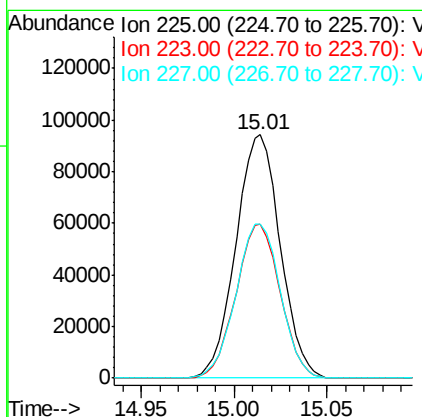
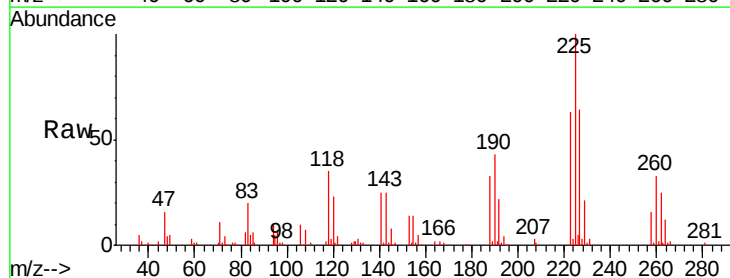
Manual Integrations
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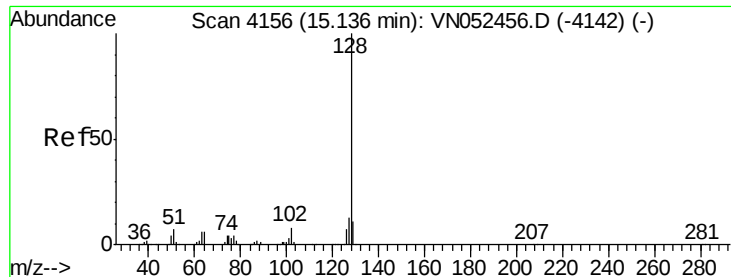
MMDadoda
 11/27/2018 3:52:12 PM



#90
 Hexachlorobutadiene
 Concen: 23.82 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052460.D
 Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156698		
223	62.9	0.0	125.6	
227	63.4	0.0	127.8	





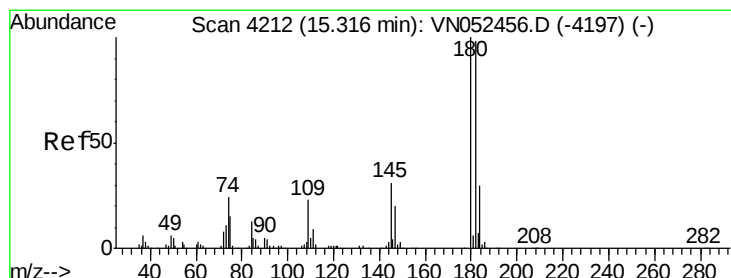
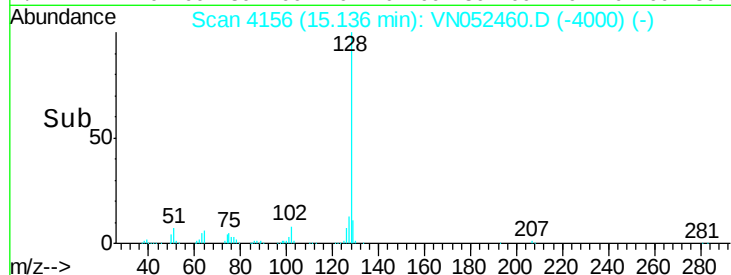
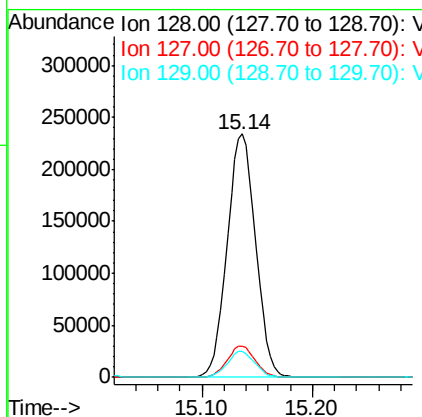
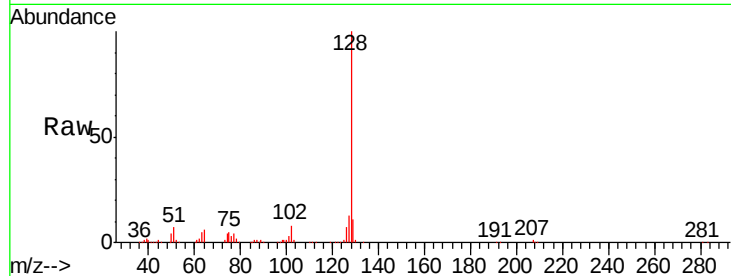
#91
Naphthalene
Concen: 20.68 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112618

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.8	9.9	14.9
129	10.3	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:12 PM



#92
1,2,3-Trichlorobenzene
Concen: 21.10 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052460.D
Acq: 26 Nov 2018 15:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.8	0.0	196.2
145	30.4	0.0	62.2

