

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052745.D
 Acq On : 10 Dec 2018 11:37
 Operator : MD\SY
 Sample : VN1210WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:45:39 PM

Quant Time: Dec 11 01:03:21 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	7.19	128	170287	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1000061	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	882484	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	340575	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	409633	30.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.20%
63) Toluene-d8	10.09	98	1188757	29.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	184024	18.975 ug/l	99
3) Chloromethane	2.06	50	232354	18.065 ug/l	100
4) Vinyl Chloride	2.19	62	246604	18.996 ug/l	97
5) Bromomethane	2.58	94	133501	18.036 ug/l	98
6) Chloroethane	2.71	64	151963	19.684 ug/l	97
7) Trichlorofluoromethane	3.03	101	319689	19.954 ug/l	99
8) Diethyl Ether	3.41	74	120996	20.453 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	205761	20.259 ug/l	97
10) 1,1-Dichloroethene	3.74	96	191106	20.013 ug/l	97
11) Methyl Iodide	3.96	142	211215	15.930 ug/l	99
12) Methyl Acetate	4.33	43	170422	21.004 ug/l	99
13) Acrolein	3.61	56	15298	16.051 ug/l	95
14) Acrylonitrile	4.99	53	351906	101.792 ug/l	99
15) Acetone	3.82	58	80713	90.151 ug/l	97
16) Carbon Disulfide	4.06	76	560818	18.550 ug/l	100
17) Allyl chloride	4.33	41	304369	18.276 ug/l	98
18) Methylene Chloride	4.55	84	221292	20.014 ug/l	95
19) trans-1,2-Dichloroethene	5.05	96	207197	20.162 ug/l	96
20) Diisopropyl ether	5.95	45	688880	19.684 ug/l	96
21) 1,1-Dichloroethane	5.85	63	397674	19.937 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	241308	20.488 ug/l	98
23) tert-Butyl Alcohol	4.77	59	61132	118.869 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	530428	21.173 ug/l	97
25) Chloroform	7.37	83	392737	20.409 ug/l	100
26) Cyclohexane	7.65	56	366694	19.491 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	305456	20.001 ug/l	99
30) 2-Butanone	6.83	43	400898	98.102 ug/l	98
31) 2,2-Dichloropropane	6.82	77	292792	20.825 ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	323294	20.345 ug/l	97
33) Carbon Tetrachloride	7.77	117	283410	20.383 ug/l	98
34) Benzene	8.04	78	904201	19.692 ug/l	98
35) Methacrylonitrile	7.17	41	88636	17.482 ug/l	97
36) 1,2-Dichloroethane	8.12	62	281037	20.198 ug/l	100
37) Trichloroethene	8.84	130	248917	21.379 ug/l	96
38) Methylcyclohexane	9.08	83	375028	19.837 ug/l	97
39) 1,2-Dichloropropane	9.12	63	244632	19.876 ug/l	98
40) Dibromomethane	9.21	93	140055	21.057 ug/l	97

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Quant Time: Dec 11 01:03:21 2018
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 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)

41) Bromodichloromethane	9.40	83	295430	20.104	ug/l	100
42) Vinyl Acetate	5.90	43	2033116	91.952	ug/l	98
43) Ethyl Acetate	6.92	43	167172	19.238	ug/l #	69
44) Isopropyl Acetate	8.16	43	323014	21.195	ug/l #	79
45) 1,4-Dioxane	9.20	88	37717	452.396	ug/l	90
46) Methyl methacrylate	9.20	41	163581	20.673	ug/l	99
47) n-amyl Acetate	12.07	43	280172	22.173	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	290822	20.411	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	348513	20.076	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	197939	20.995	ug/l	100
51) Ethyl methacrylate	10.43	69	249523	21.073	ug/l	96
52) 1,3-Dichloropropane	10.71	76	339168	20.211	ug/l	100
53) Dibromochloromethane	10.90	129	214562	20.671	ug/l	98
54) 1,2-Dibromoethane	11.00	107	193387	20.991	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	722515	104.241	ug/l	98
56) Bromoform	12.13	173	139941	20.626	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	896592	104.798	ug/l	98
59) 2-Hexanone	10.75	43	620786	106.220	ug/l	98
61) Tetrachloroethene	10.63	164	270691	24.905	ug/l	97
62) Toluene	10.16	91	981621	20.178	ug/l	99
64) Chlorobenzene	11.43	112	612184	20.617	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	217370	21.090	ug/l	99
66) Ethyl Benzene	11.51	91	1071411	20.434	ug/l	100
67) m/p-Xylenes	11.62	106	808102	41.369	ug/l	99
68) o-Xylene	11.95	106	396782	20.928	ug/l	98
69) Styrene	11.96	104	637387	20.828	ug/l	99
70) Isopropylbenzene	12.25	105	1049514	20.805	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	219192	19.975	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	191952m	20.377	ug/l	
73) Bromobenzene	12.53	156	266378	21.833	ug/l	93
74) n-propylbenzene	12.59	91	1219925	20.755	ug/l	98
75) 2-Chlorotoluene	12.68	91	711364	20.851	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	858407	21.068	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	60542	20.345	ug/l	97
78) 4-Chlorotoluene	12.77	91	726696	21.330	ug/l	99
79) tert-butylbenzene	12.99	119	759802	21.412	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	866195	21.246	ug/l	100
81) sec-Butylbenzene	13.17	105	1038287	21.007	ug/l	100
82) p-Isopropyltoluene	13.29	119	901725	21.426	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	467229	21.774	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	458338	22.108	ug/l	99
85) n-Butylbenzene	13.62	91	764573	21.149	ug/l	99
86) Hexachloroethane	13.88	117	142986	20.052	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	449749	22.025	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	34417	22.391	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	256312	25.478	ug/l	99
90) Hexachlorobutadiene	15.01	225	147668	22.376	ug/l	100
91) Naphthalene	15.13	128	525435	25.863	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	239773	25.862	ug/l	97

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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

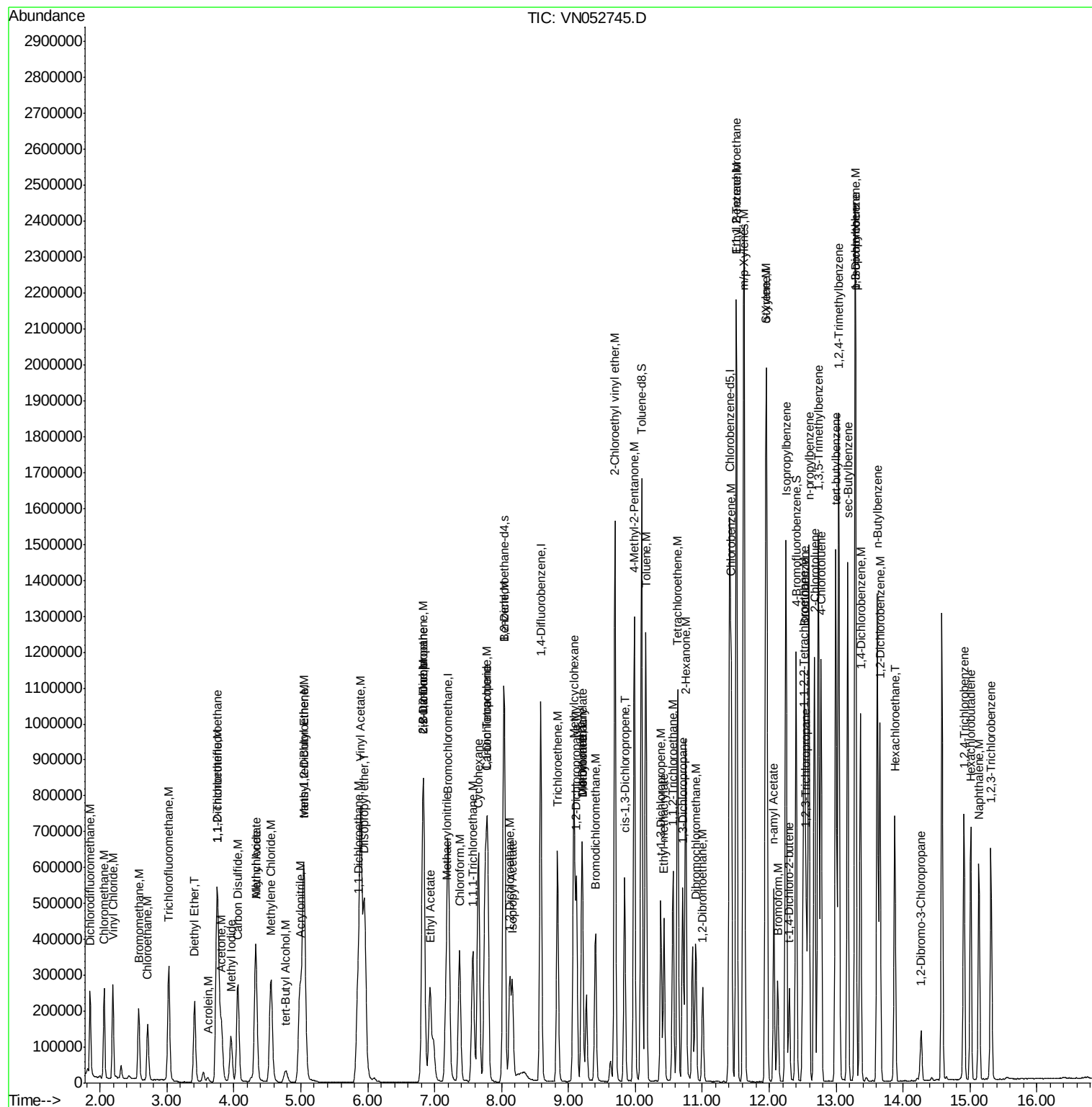
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
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Misc : 5.00mL/MSVOA N/WATER
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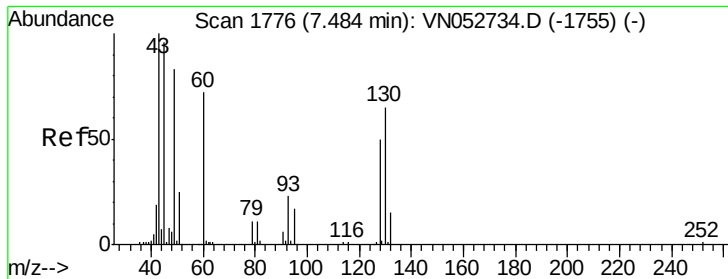
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Manual Integrations
APPROVED

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12/11/2018 12:45:39 PM

Quant Time: Dec 11 01:03:21 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

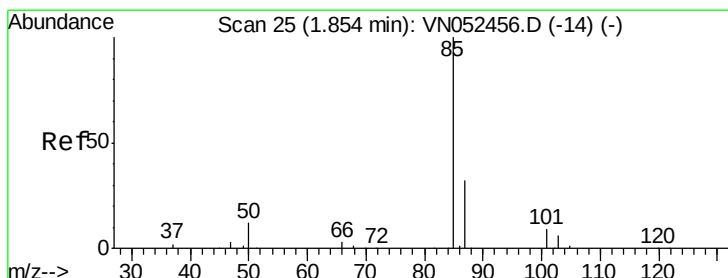
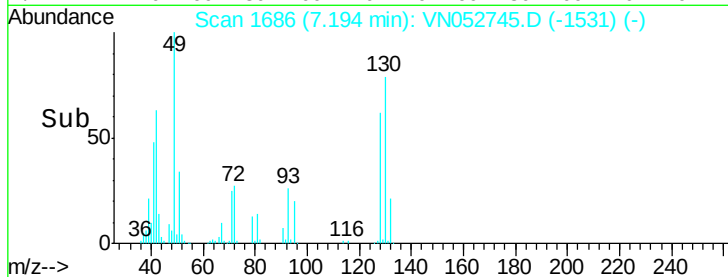
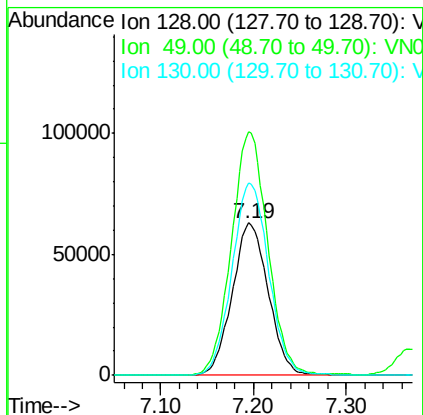
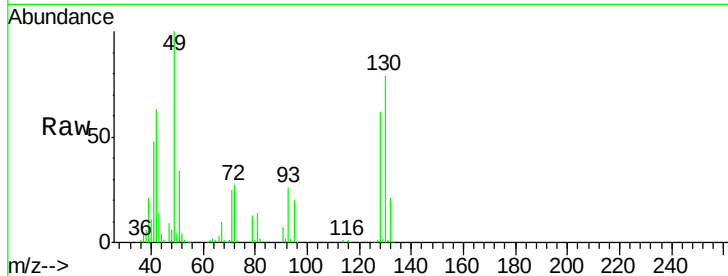
ClientSampleId :

VN1210WBS01

Tot Ion:	128	Resp:	170287
Ion	Ratio	Lower	Upper
128	100		
49	160.7	0.0	431.8
130	128.3	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.975 ug/l

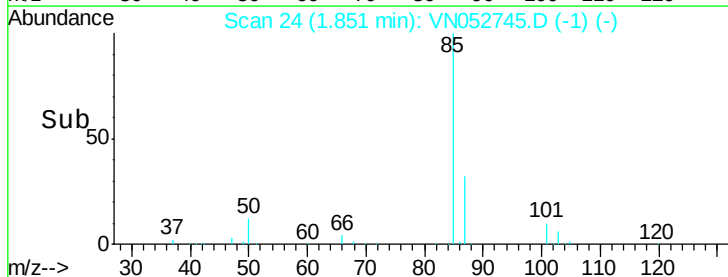
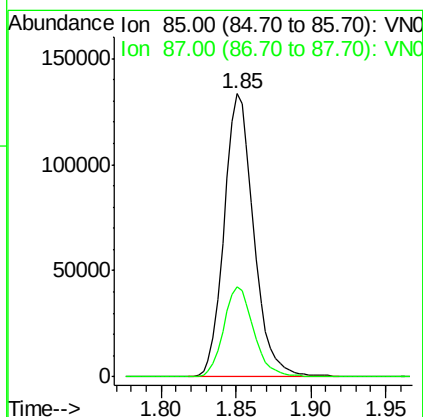
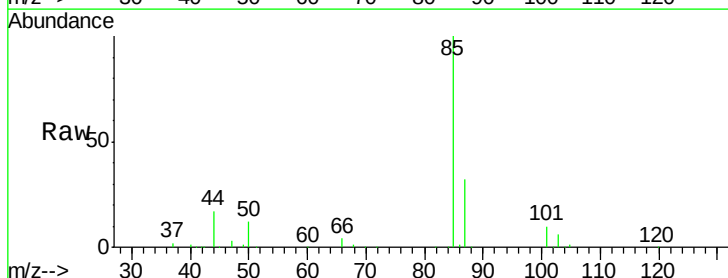
RT: 1.85 min Scan# 24

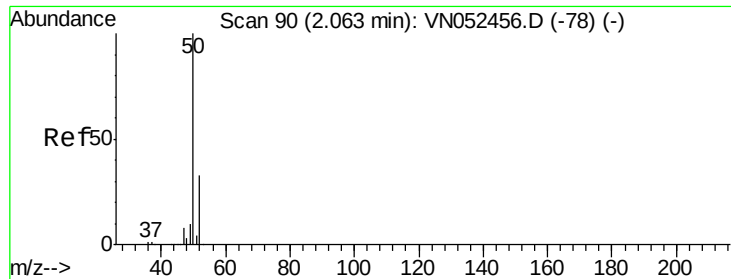
Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	85	Resp:	184024
Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.1	48.3





#3

Chloromethane

Concen: 18.065 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 50 Resp: 232354

Ion Ratio Lower Upper

50 100

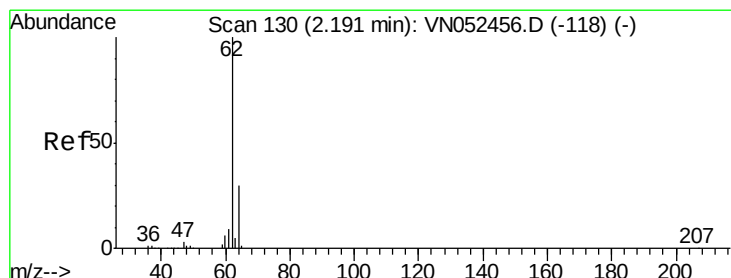
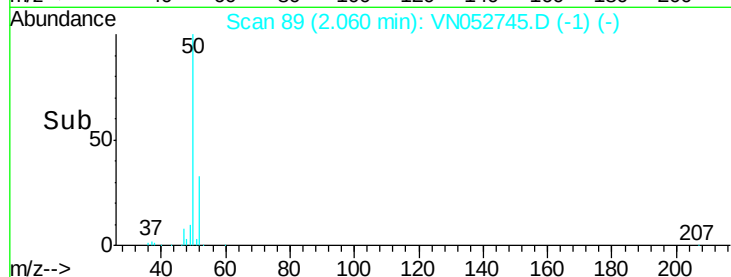
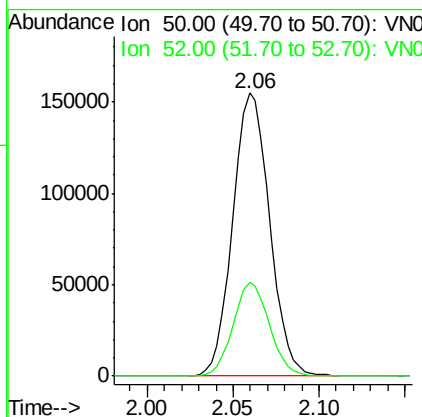
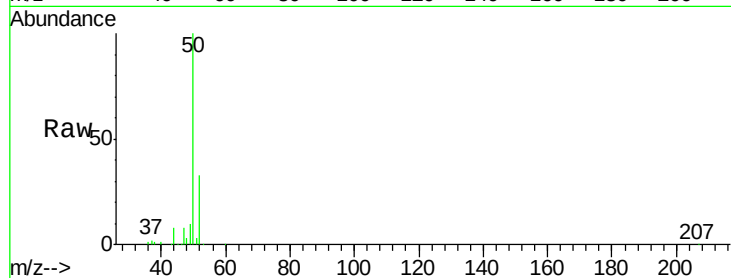
52 33.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.996 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052745.D

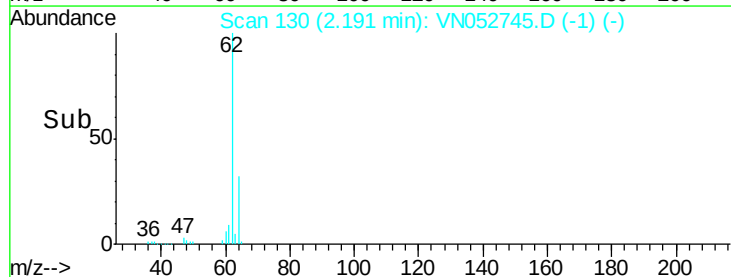
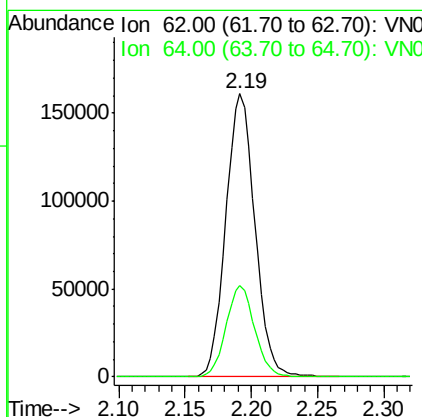
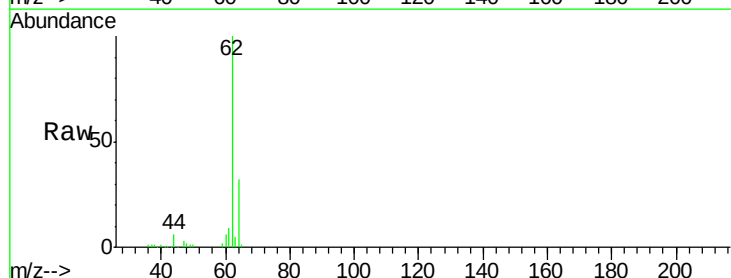
Acq: 10 Dec 2018 11:37

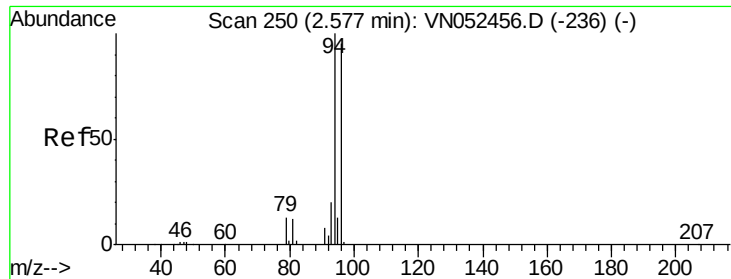
Tgt Ion: 62 Resp: 246604

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.4





#5

Bromomethane

Concen: 18.036 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 94 Resp: 133501

Ion Ratio Lower Upper

94 100

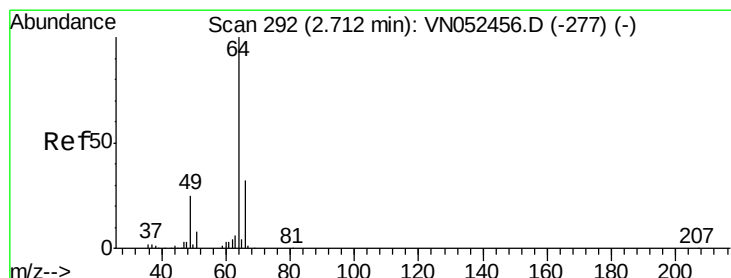
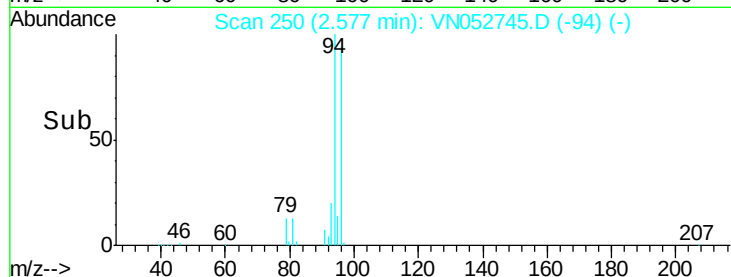
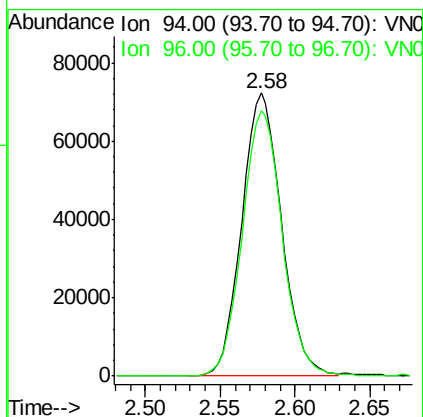
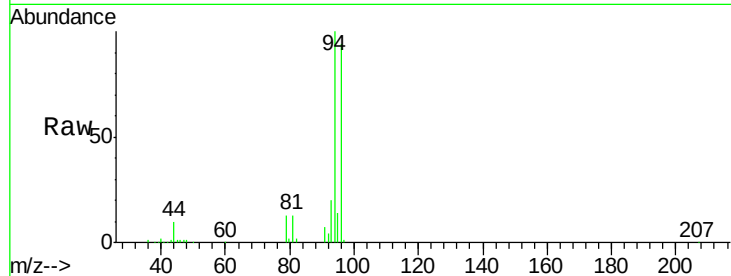
96 93.7 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 19.684 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052745.D

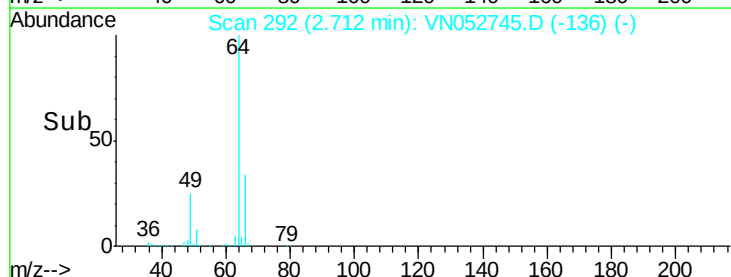
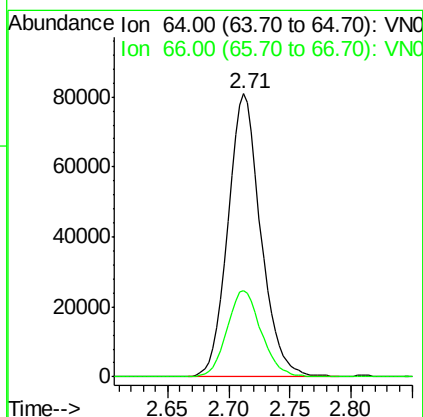
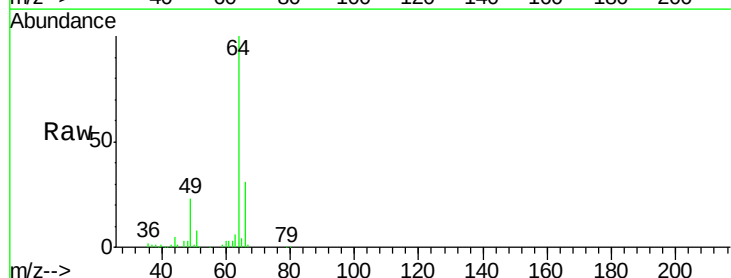
Acq: 10 Dec 2018 11:37

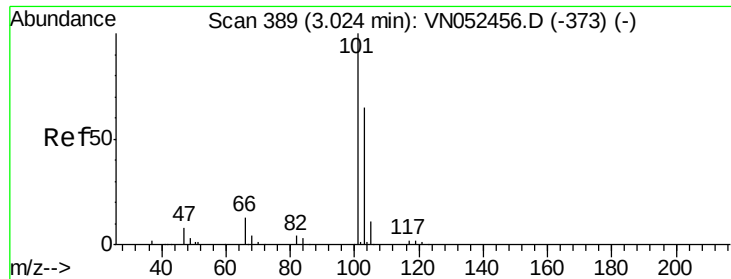
Tgt Ion: 64 Resp: 151963

Ion Ratio Lower Upper

64 100

66 30.5 25.6 38.4





#7

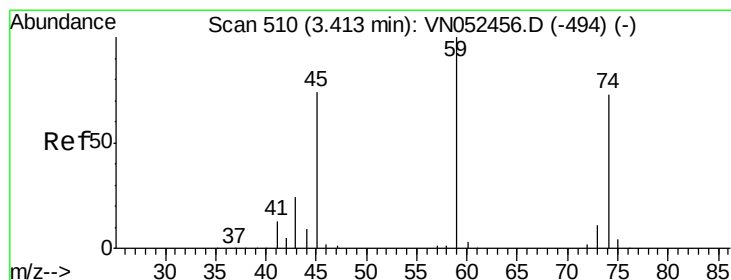
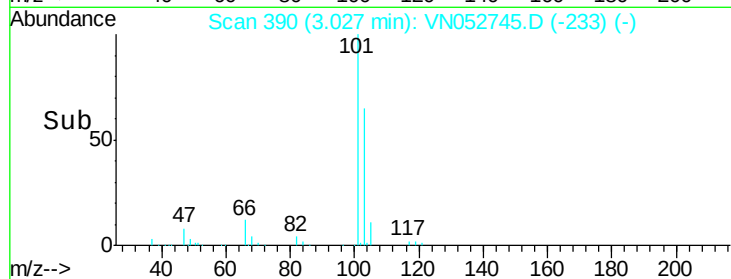
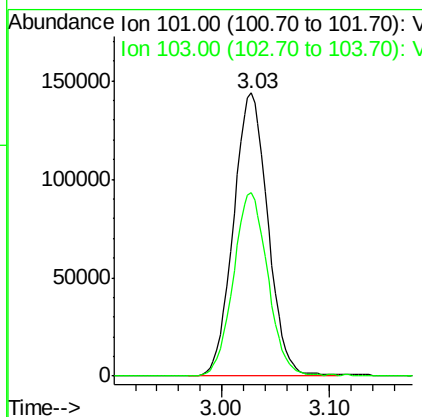
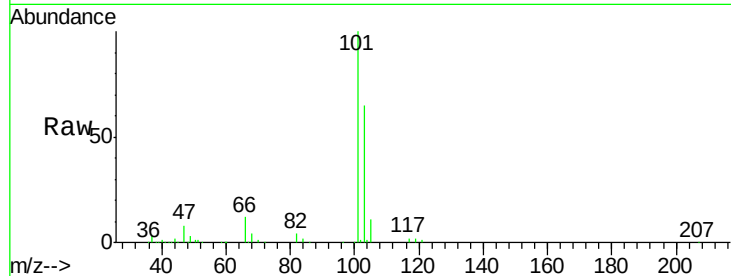
Trichlorofluoromethane
Concen: 19.954 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
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ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

Manual Integrations
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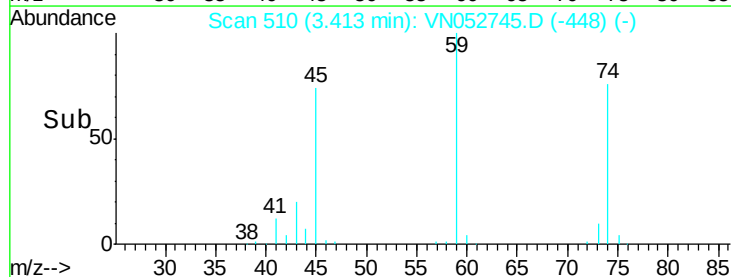
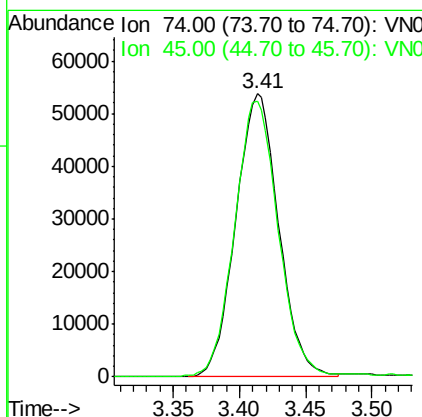
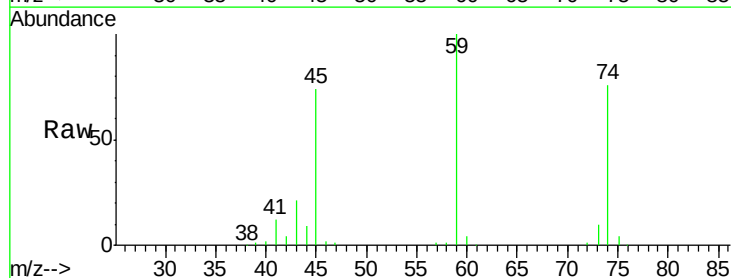
MMDadoda
12/11/2018 12:45:39 PM

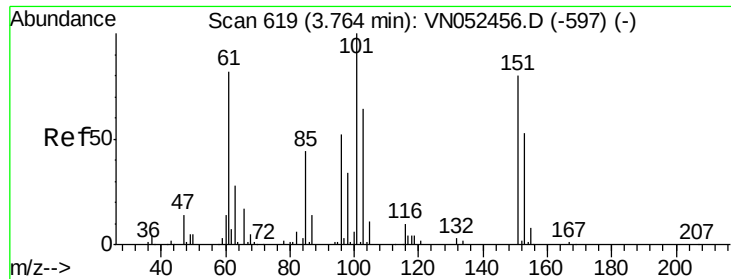


#8

Diethyl Ether
Concen: 20.453 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.259 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

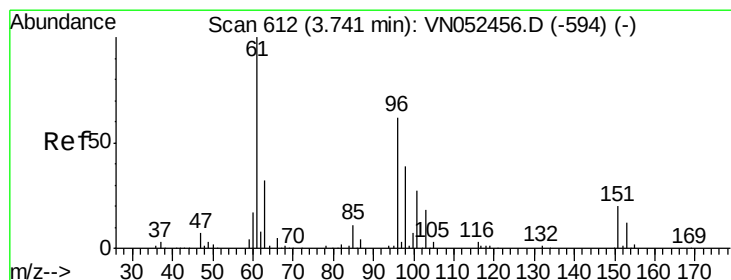
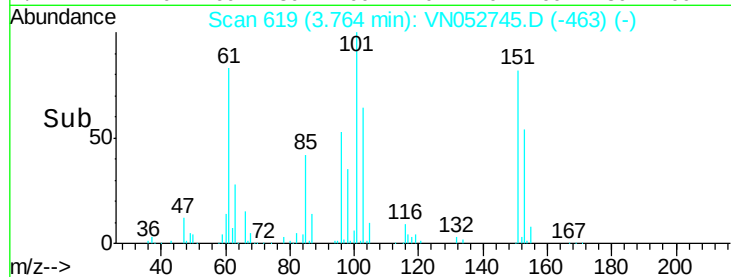
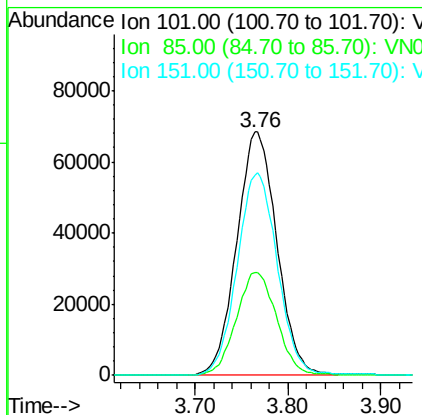
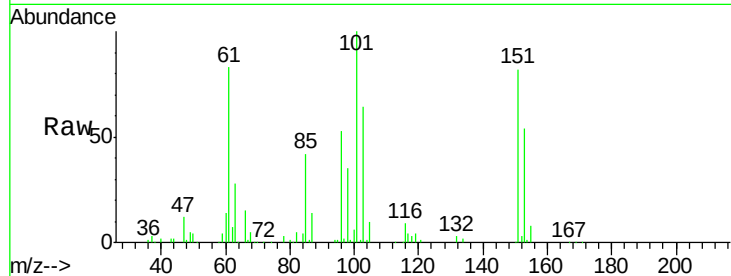
ClientSampleId :

VN1210WBS01

Tot Ion:	101	Resp:	205761
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	82.6
151	82.8	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.013 ug/l

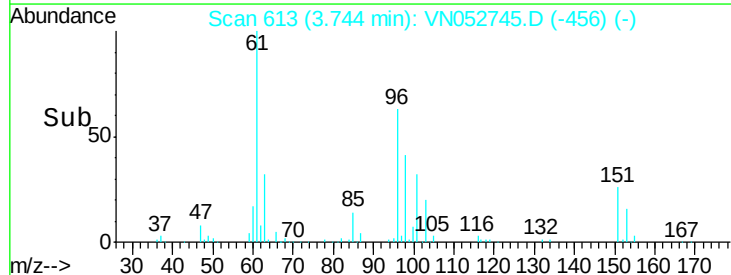
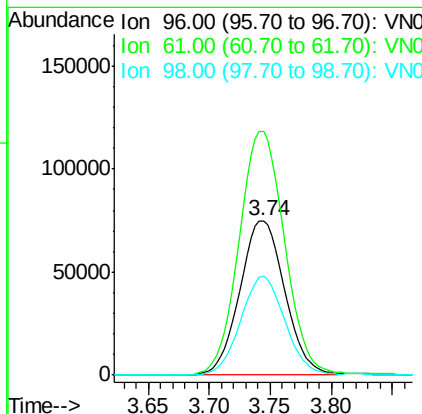
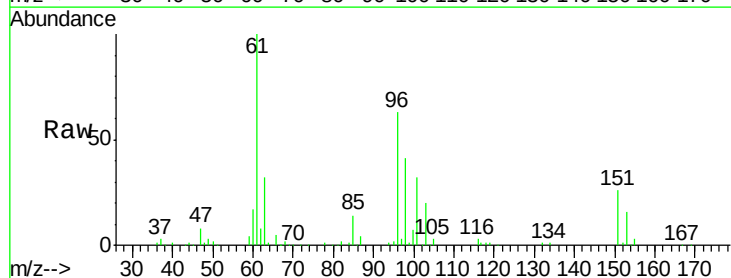
RT: 3.74 min Scan# 613

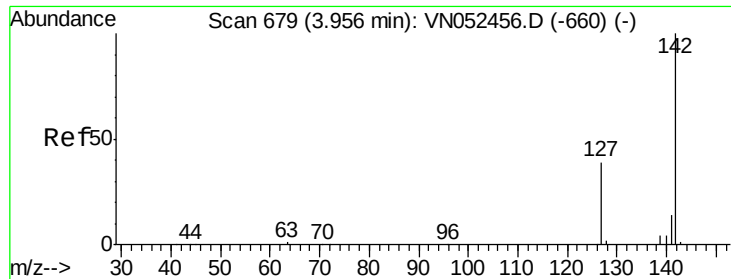
Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	96	Resp:	191106
Ion Ratio	Lower	Upper	
96	100		
61	157.7	129.4	194.2
98	64.2	50.4	75.6





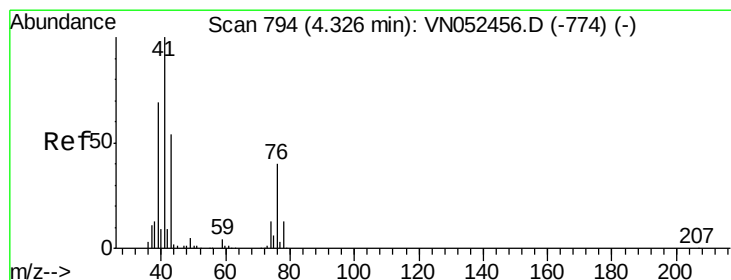
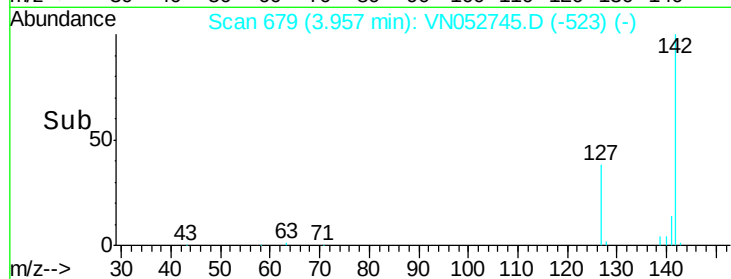
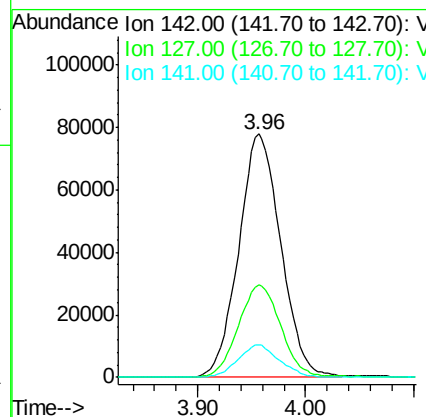
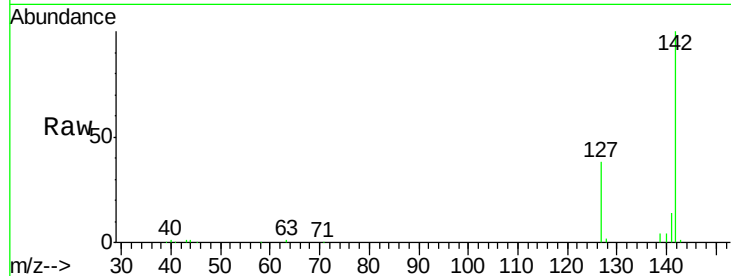
#11
Methyl Iodide
Concen: 15.930 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	19.4	58.1
141	13.6	7.2	21.6

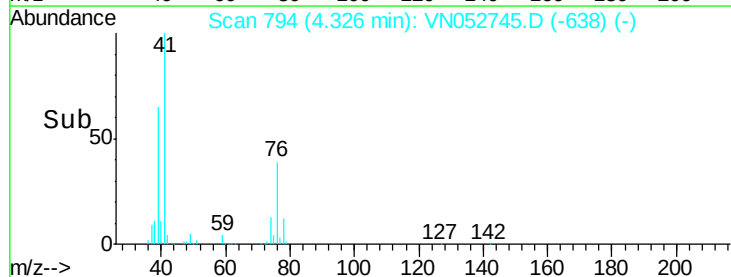
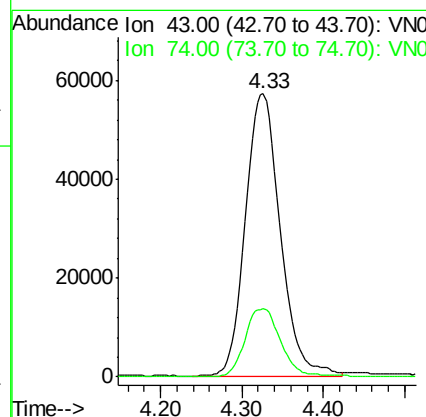
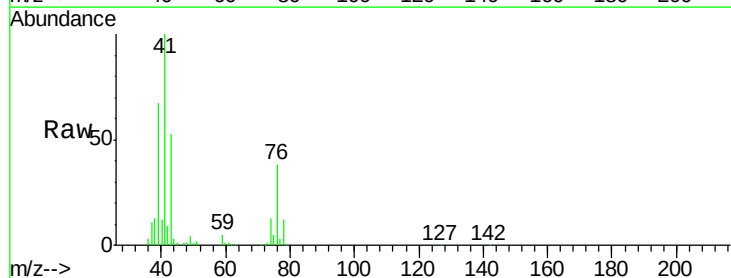
Manual Integrations
APPROVED

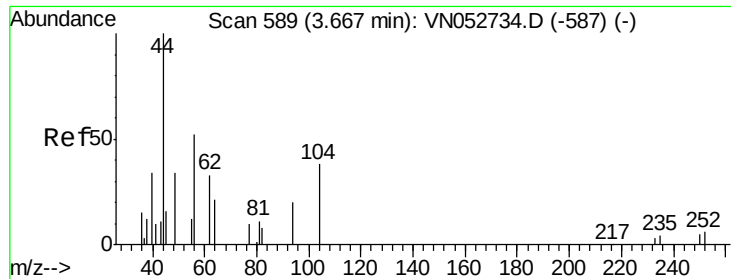
MMDadoda
12/11/2018 12:45:39 PM



#12
Methyl Acetate
Concen: 21.004 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3





#13

Acrolein

Concen: 16.051 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 56 Resp: 15298

Ion Ratio Lower Upper

56 100

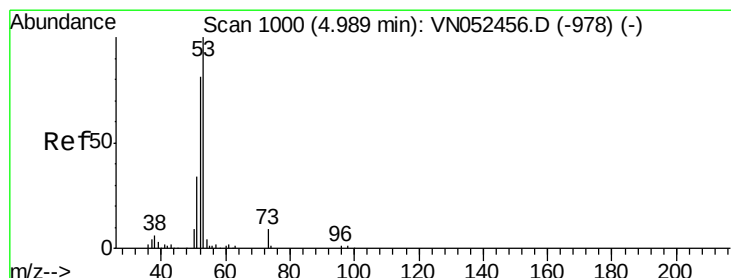
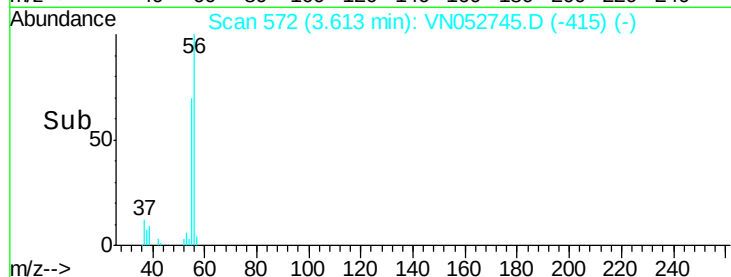
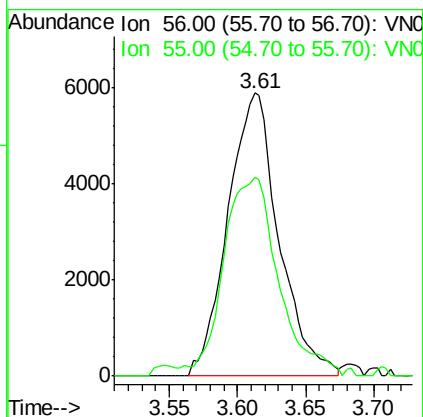
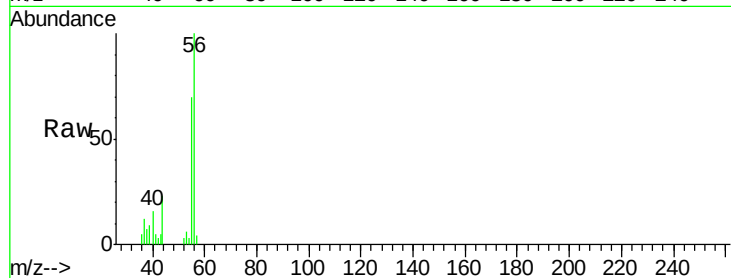
55 75.2 56.7 85.1

Manual Integrations

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#14

Acrylonitrile

Concen: 101.792 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

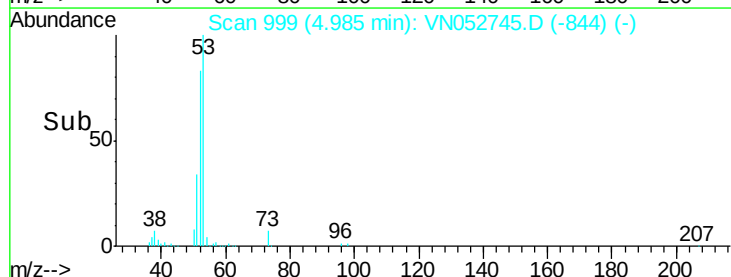
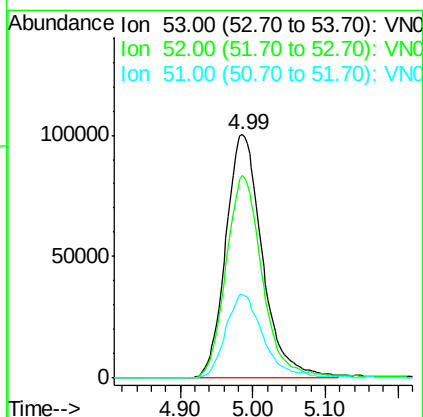
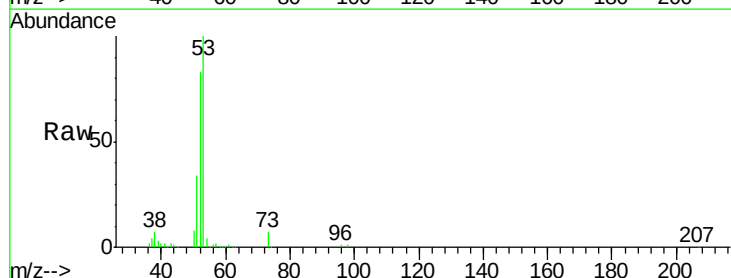
Tgt Ion: 53 Resp: 351906

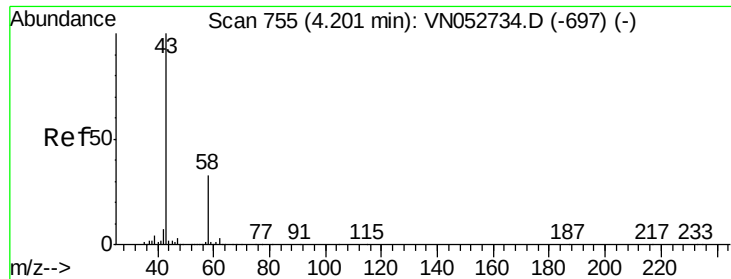
Ion Ratio Lower Upper

53 100

52 80.7 39.9 119.7

51 35.3 17.6 52.9





#15

Acetone

Concen: 90.151 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 58 Resp: 80713

Ion Ratio Lower Upper

58 100

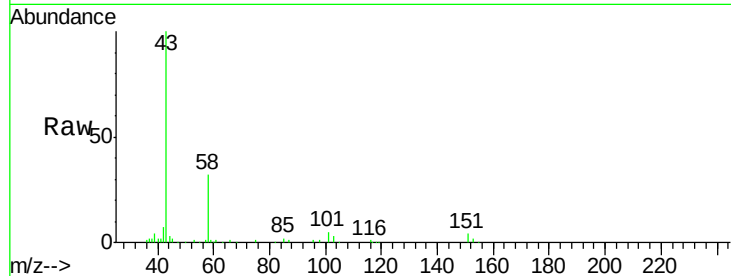
43 310.5 243.6 365.4

Manual Integrations

APPROVED

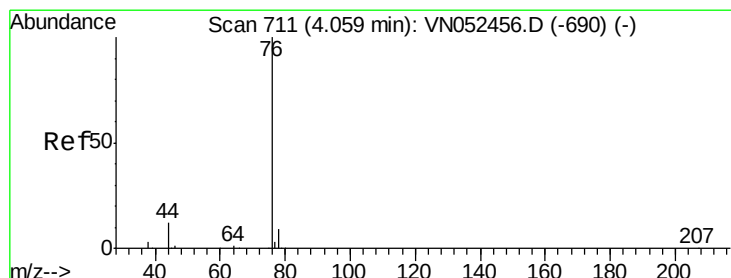
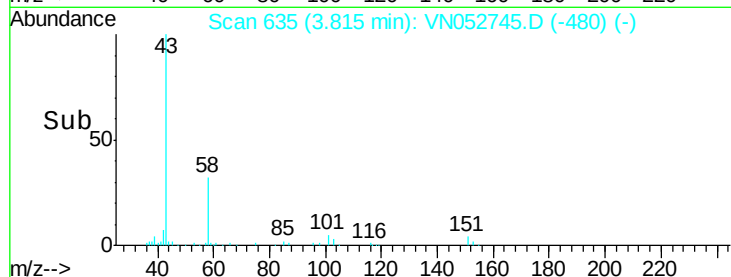
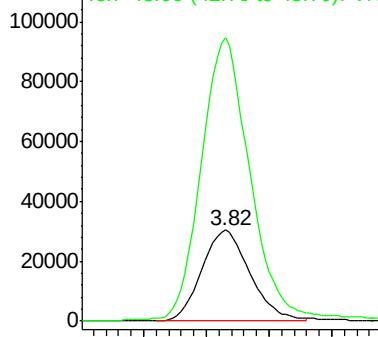
MMDadoda

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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: 18.550 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052745.D

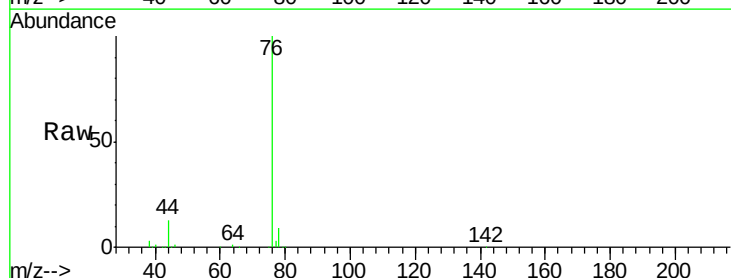
Acq: 10 Dec 2018 11:37

Tgt Ion: 76 Resp: 560818

Ion Ratio Lower Upper

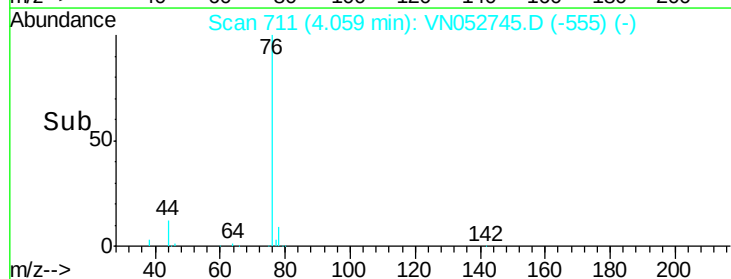
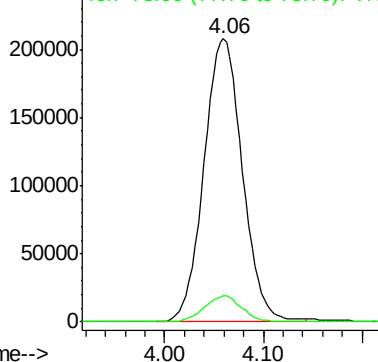
76 100

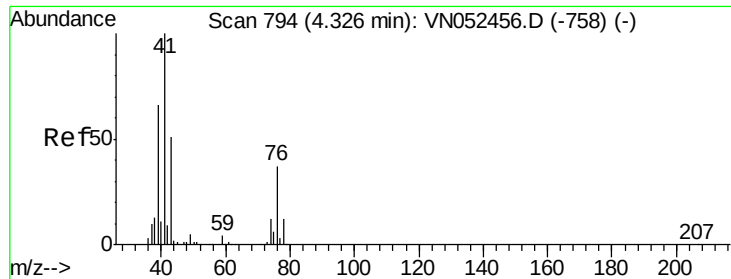
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





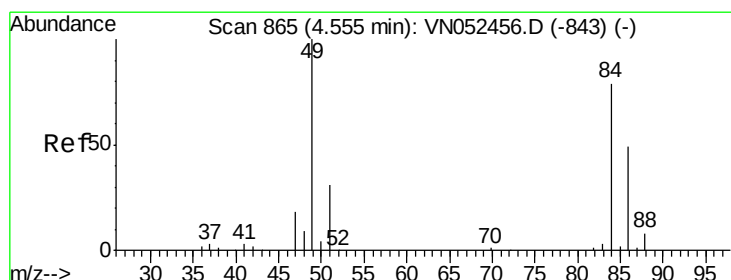
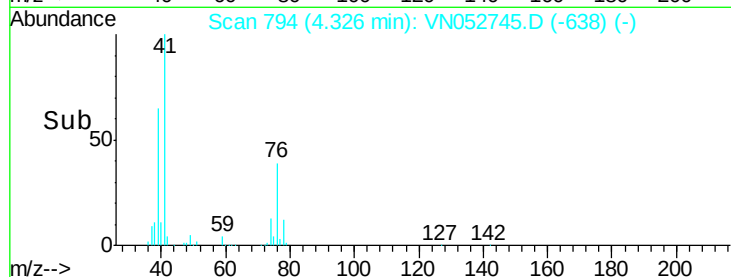
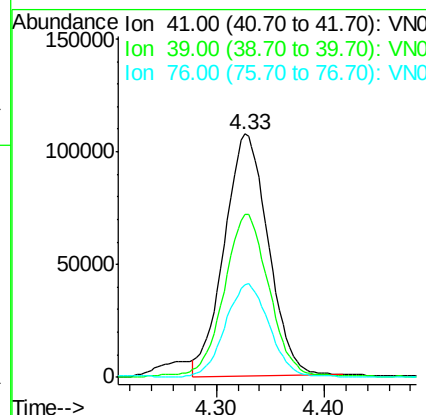
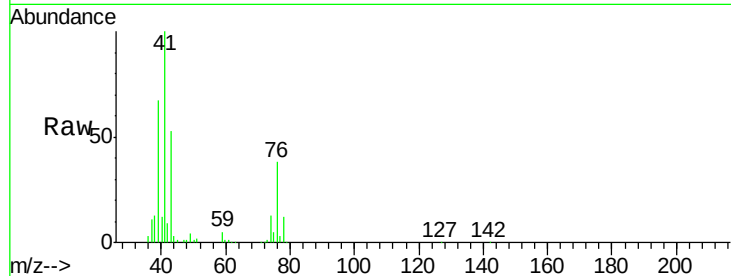
#17
Allvl chloride
Concen: 18.276 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampled :
VN1210WBS01

Tot Ion:	41	Resp:	304369
Ion	Ratio	Lower	Upper
41	100		
39	66.8	32.8	98.3
76	38.3	18.6	55.8

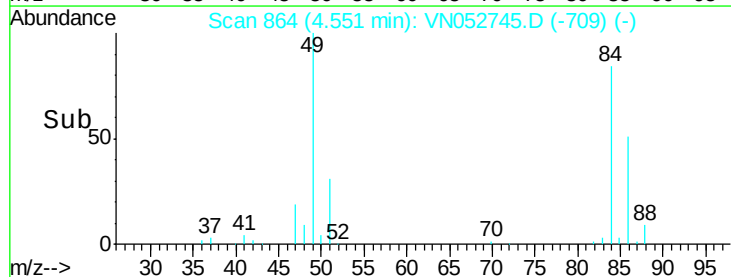
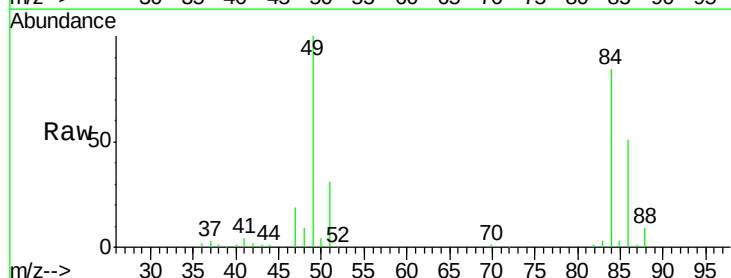
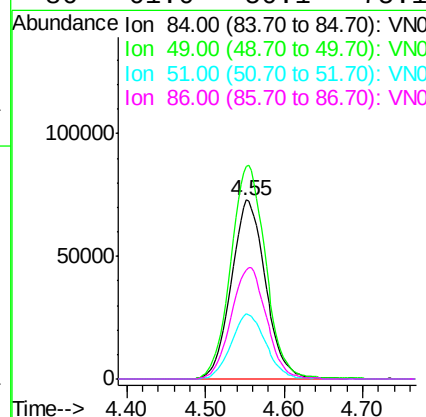
Manual Integrations
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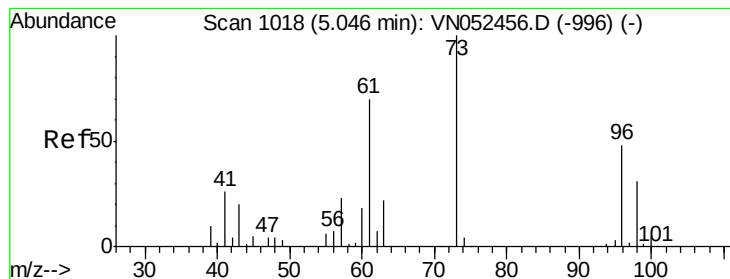
MMDadoda
12/11/2018 12:45:39 PM



#18
Methylene Chloride
Concen: 20.014 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion:	84	Resp:	221292
Ion	Ratio	Lower	Upper
84	100		
49	118.9	101.4	152.0
51	36.4	31.7	47.5
86	61.0	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 20.162 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 96 Resp: 207197

Ion Ratio Lower Upper

96 100

61 141.5 118.2 177.4

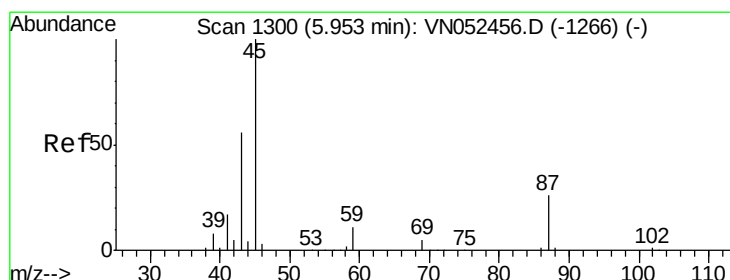
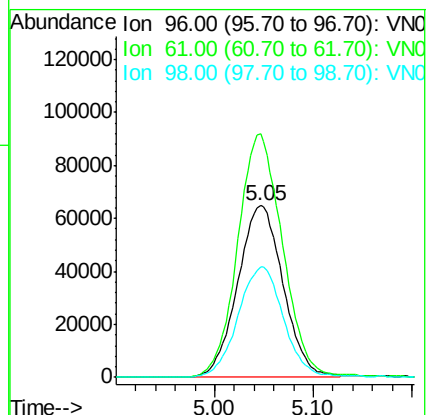
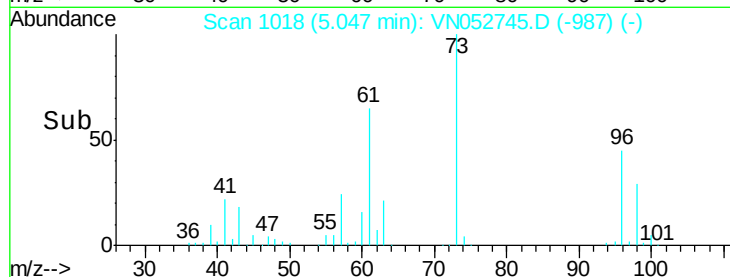
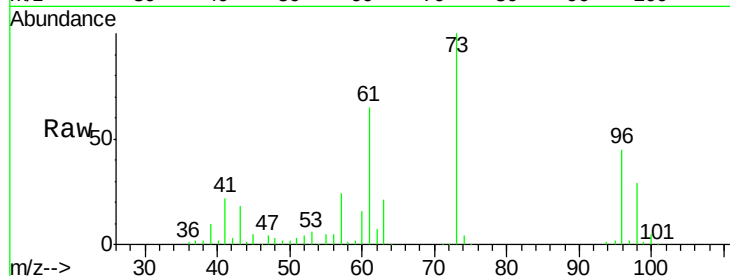
98 64.1 51.4 77.2

Manual Integrations

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MMDadoda

12/11/2018 12:45:39 PM



#20

Diisopropyl ether

Concen: 19.684 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion: 45 Resp: 688880

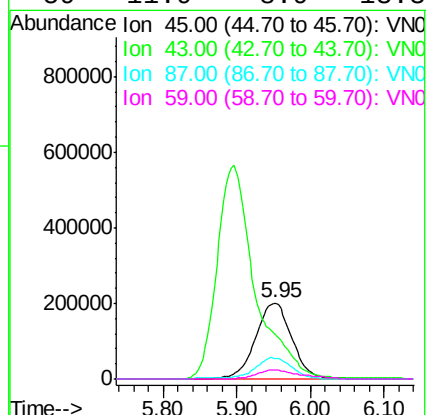
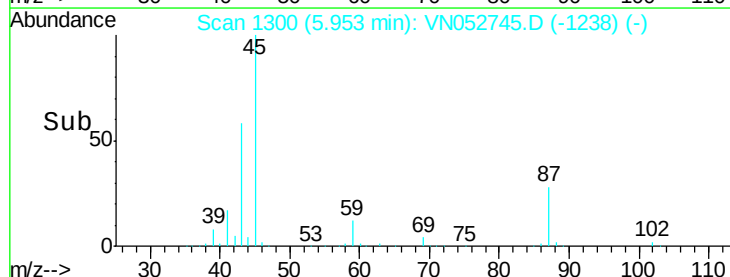
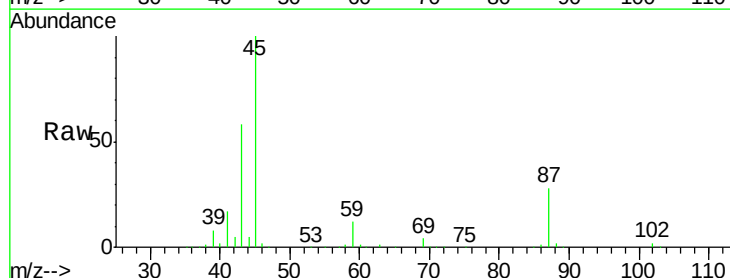
Ion Ratio Lower Upper

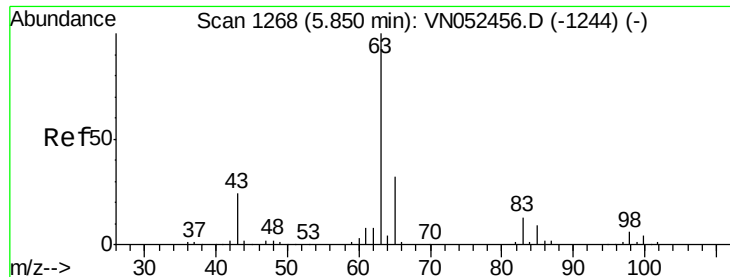
45 100

43 55.7 47.8 71.8

87 27.4 21.3 31.9

59 11.9 8.9 13.3





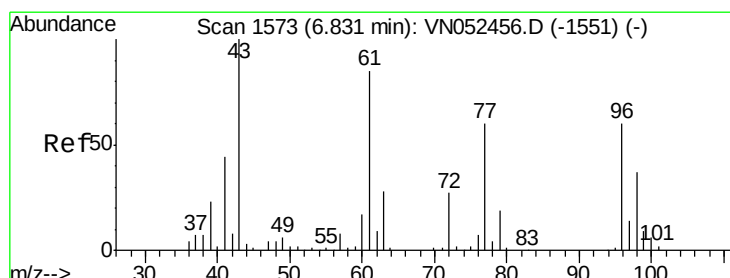
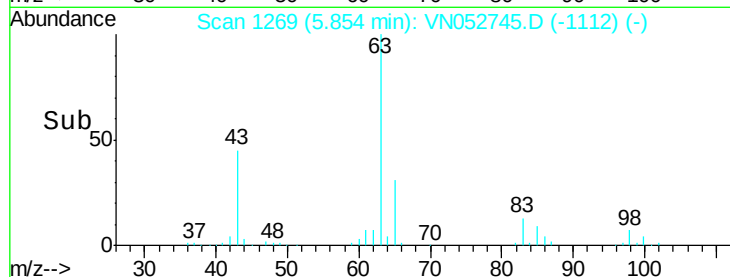
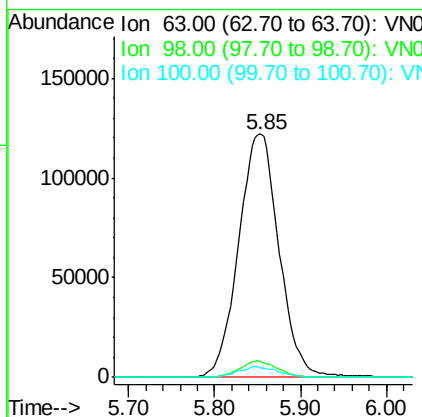
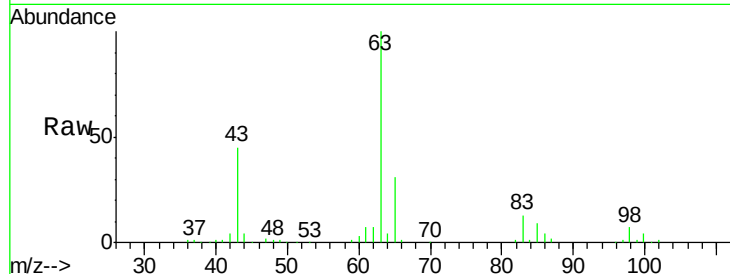
#21
 1,1-Dichloroethane
 Concen: 19.937 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	397674		
98	6.5		3.0	9.2
100	3.9		1.8	5.5

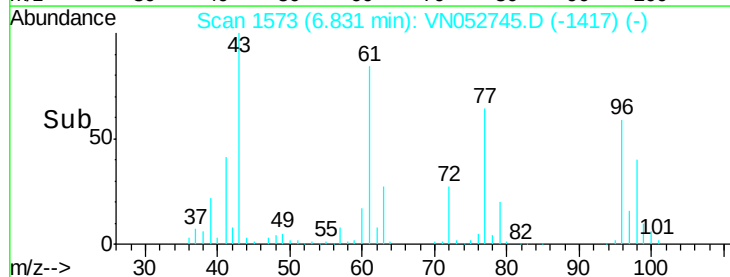
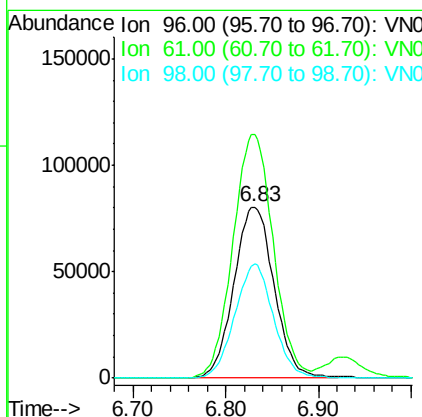
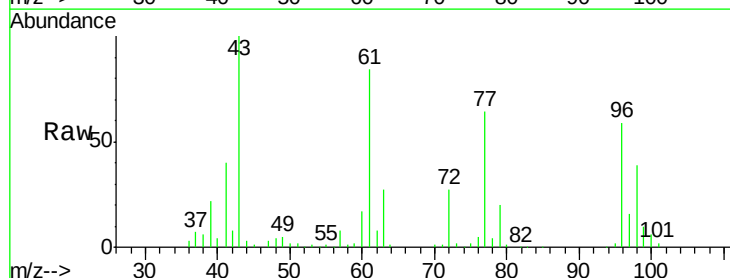
Manual Integrations
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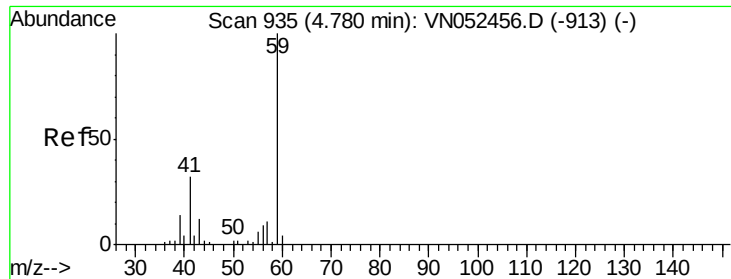
MMDadoda
 12/11/2018 12:45:39 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.488 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	241308		
61	143.1		116.7	175.1
98	64.4		50.8	76.2





#23

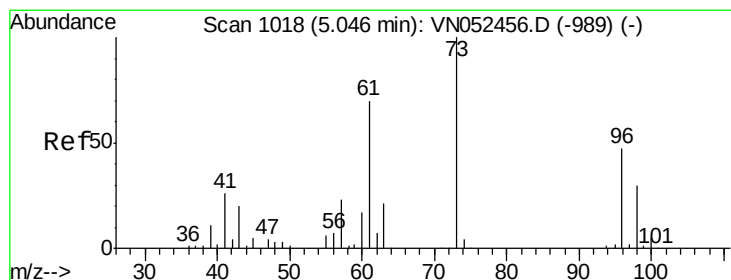
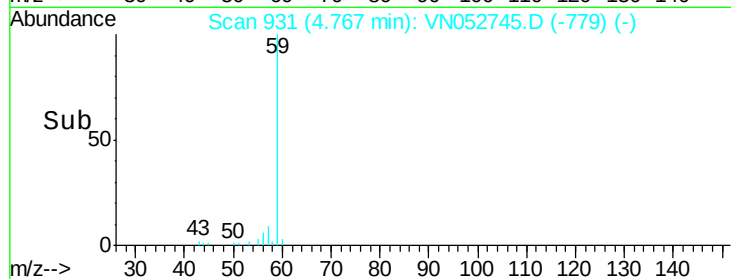
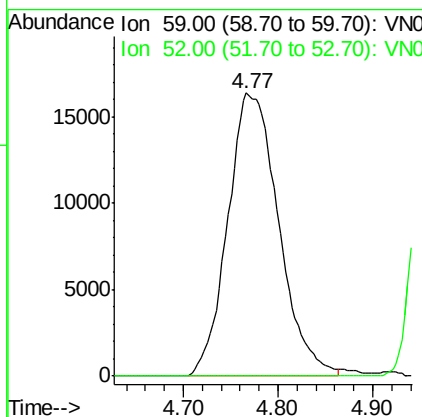
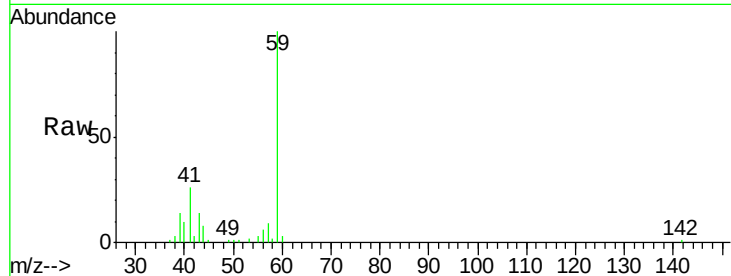
tert-Butyl Alcohol
Concen: 118.869 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.01 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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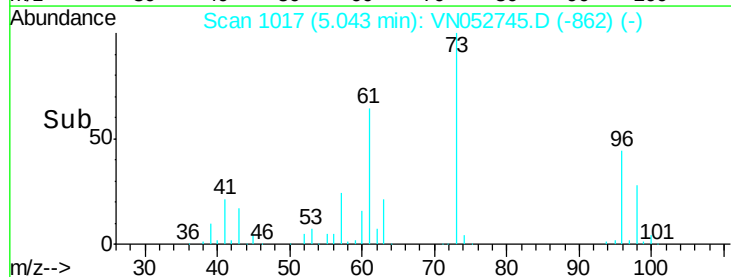
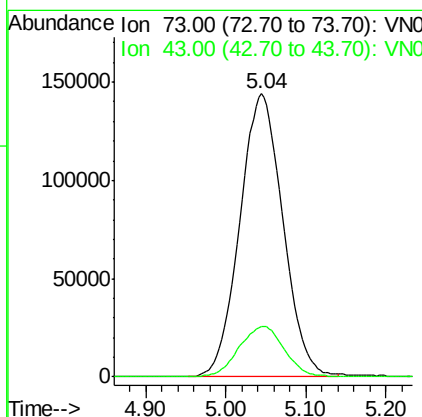
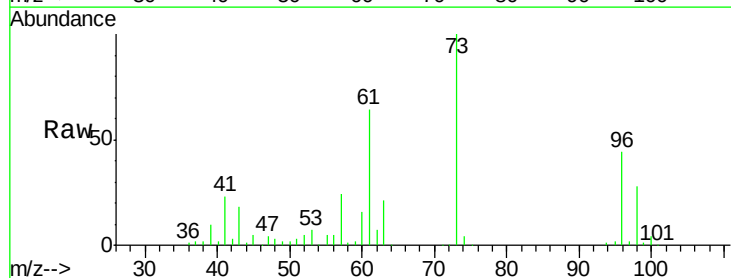
MMDadoda
12/11/2018 12:45:39 PM

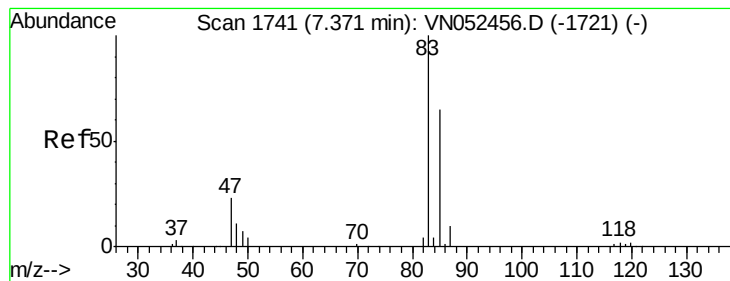


#24

Methyl tert-Butyl Ether
Concen: 21.173 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.8	23.8





#25

Chloroform

Concen: 20.409 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 83 Resp: 392737

Ion Ratio Lower Upper

83 100

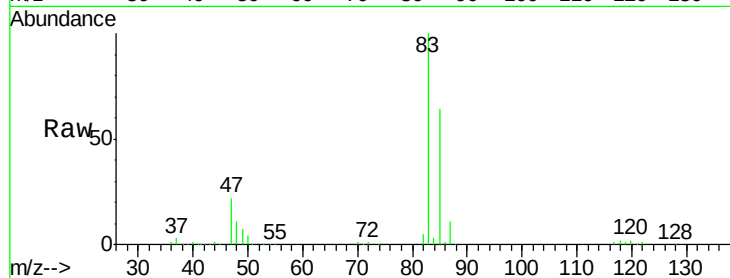
85 64.4 51.7 77.5

Manual Integrations

APPROVED

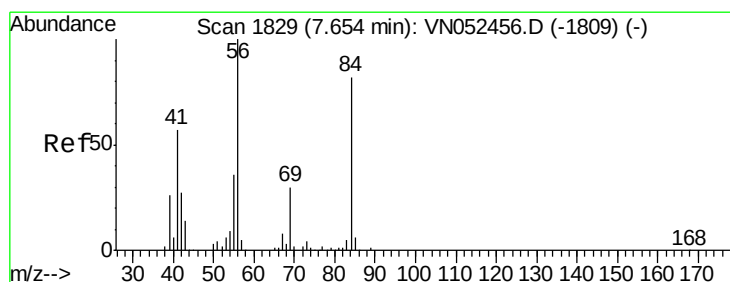
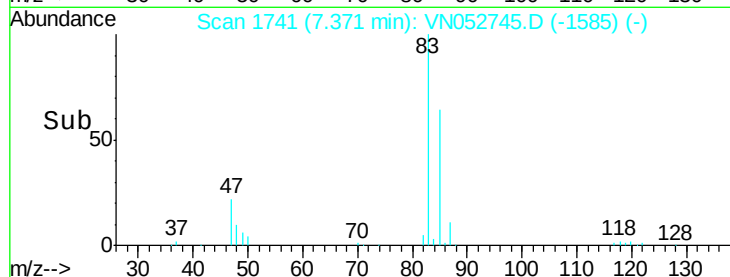
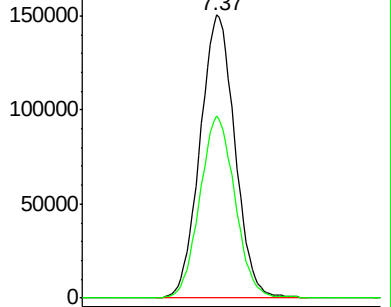
MMDadoda

12/11/2018 12:45:39 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 19.491 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

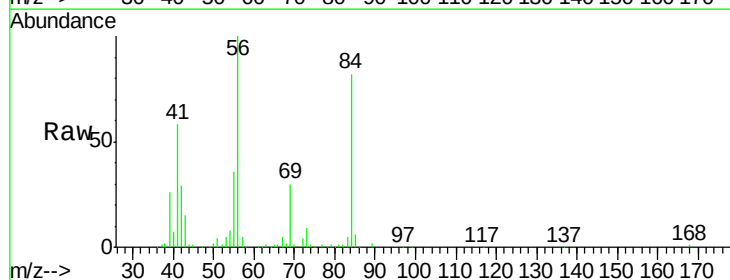
Tgt Ion: 56 Resp: 366694

Ion Ratio Lower Upper

56 100

89 2.3 0.5 0.7#

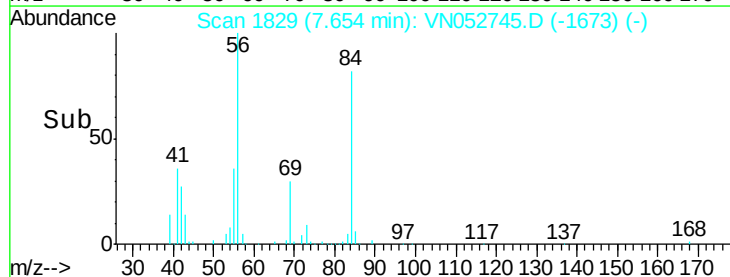
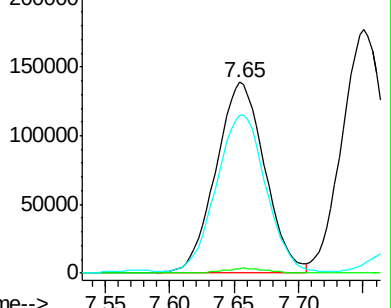
84 83.0 66.2 99.2

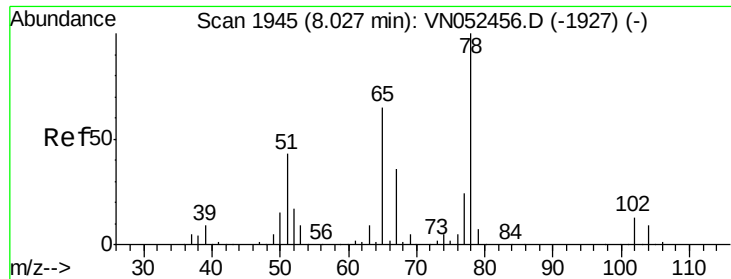


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





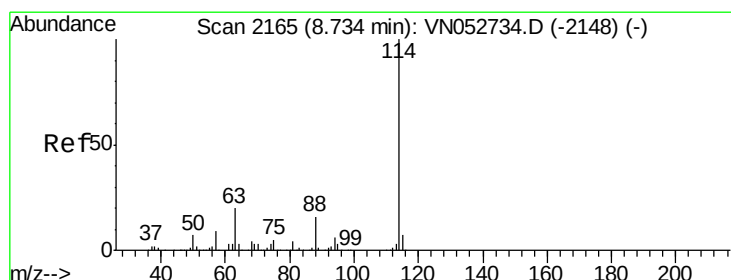
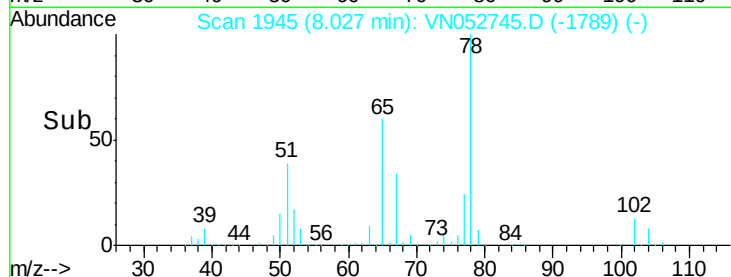
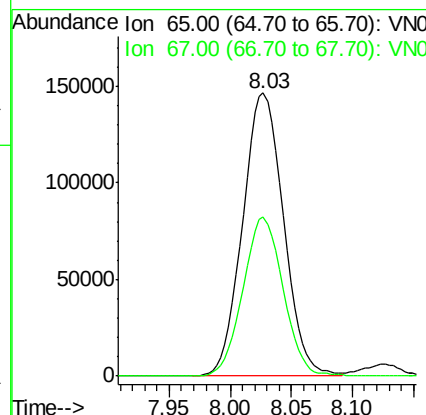
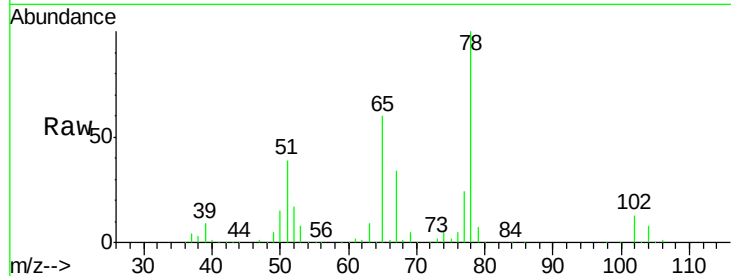
#27
 1,2-Dichloroethane-d4
 Concen: 19.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	44.6	66.8

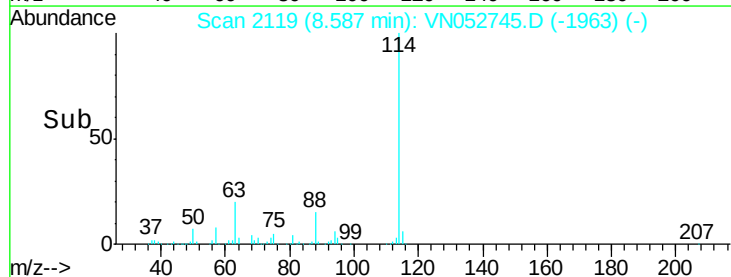
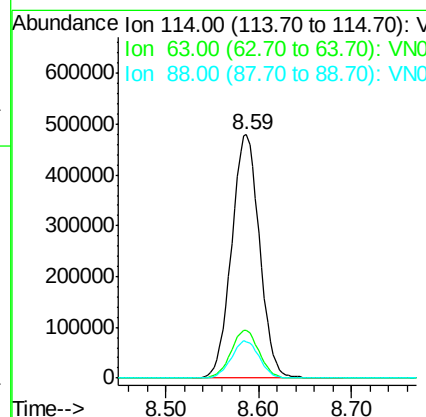
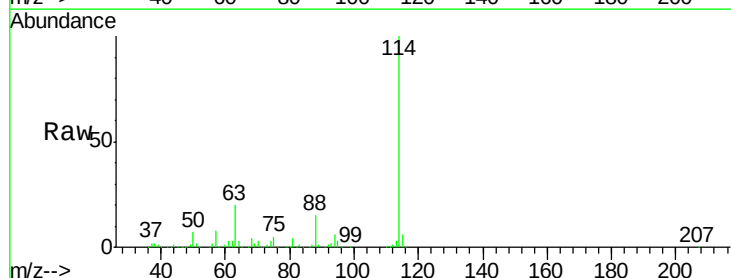
Manual Integrations
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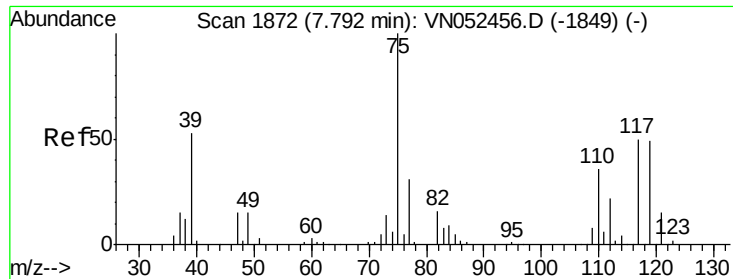
MMDadoda
 12/11/2018 12:45:39 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.9	25.3
88	15.3	12.8	19.2





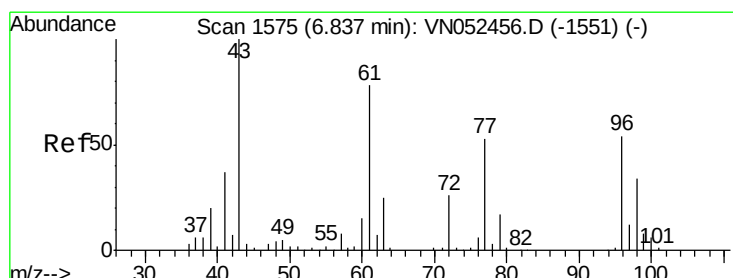
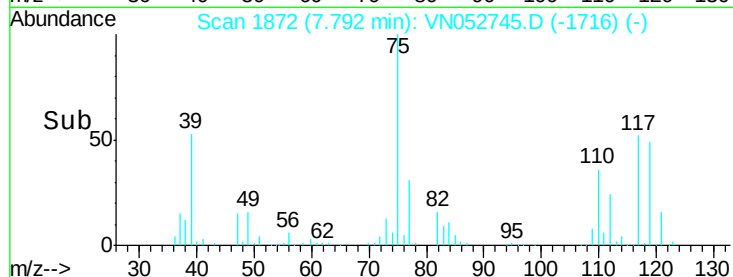
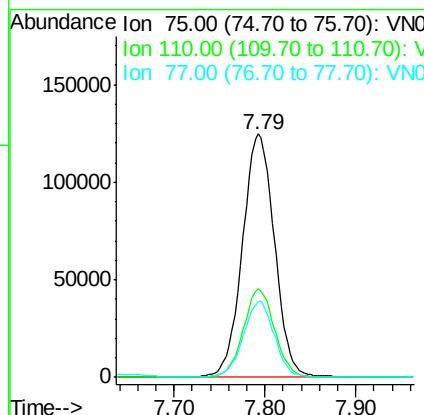
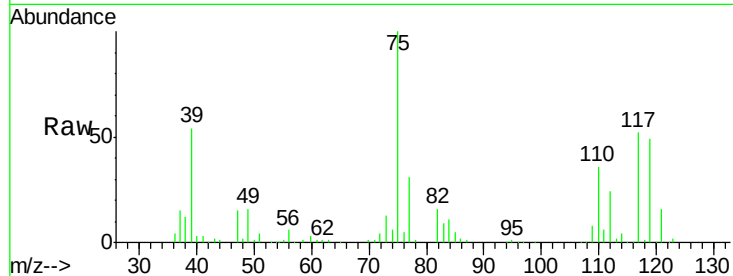
#29
 1,1-Dichloropropene
 Concen: 20.001 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.4	0.0	70.2
77	30.5	0.0	62.6

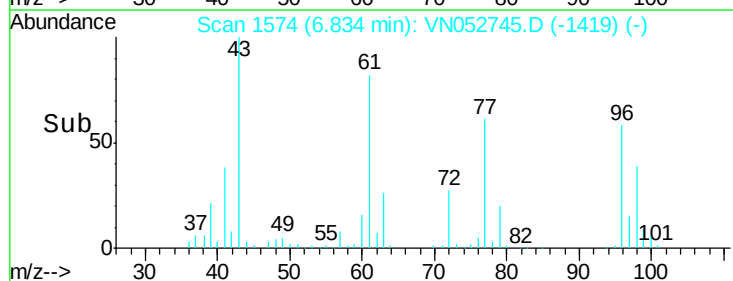
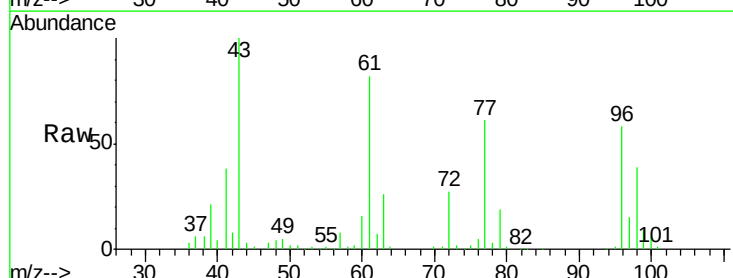
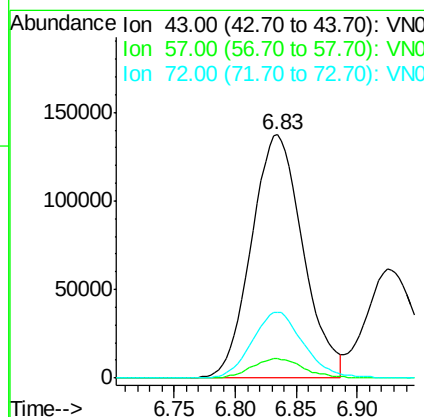
Manual Integrations
 APPROVED

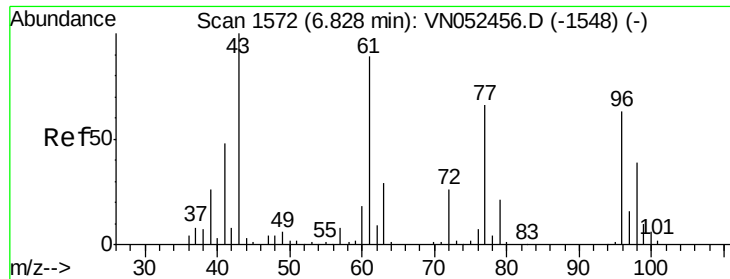
MMDadoda
 12/11/2018 12:45:39 PM



#30
 2-Butanone
 Concen: 98.102 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.4
72	27.2	21.0	31.6





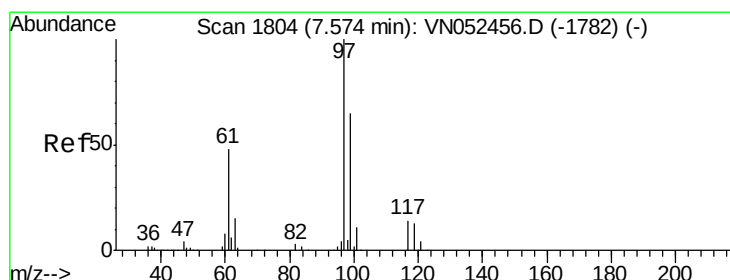
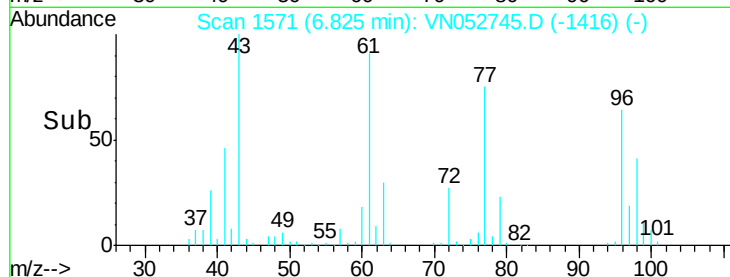
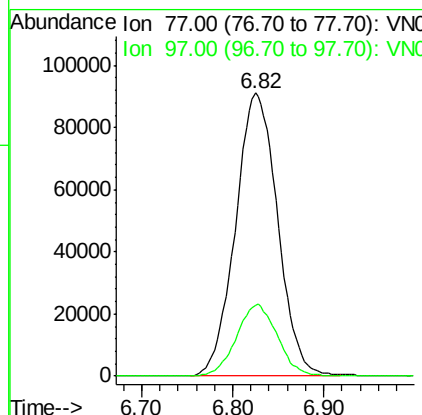
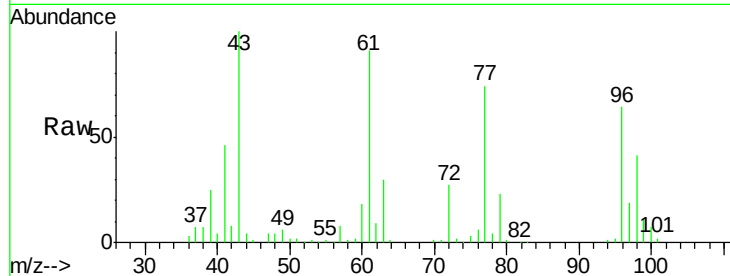
#31
 2,2-Dichloropropane
 Concen: 20.825 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.6	18.7	28.1

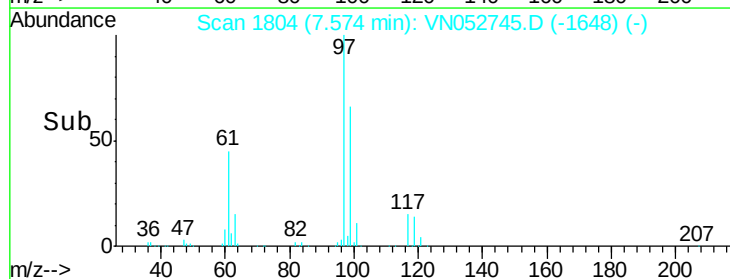
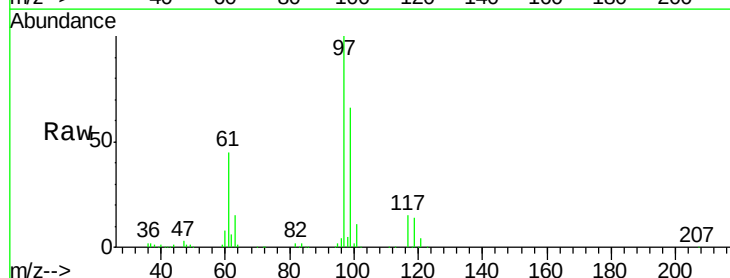
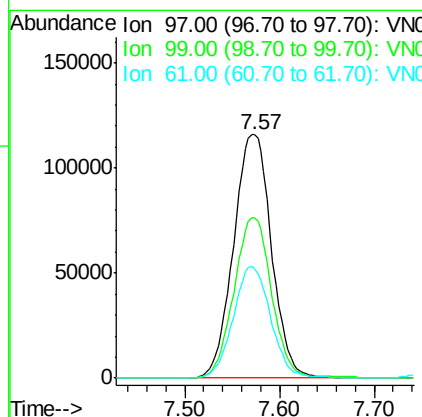
Manual Integrations
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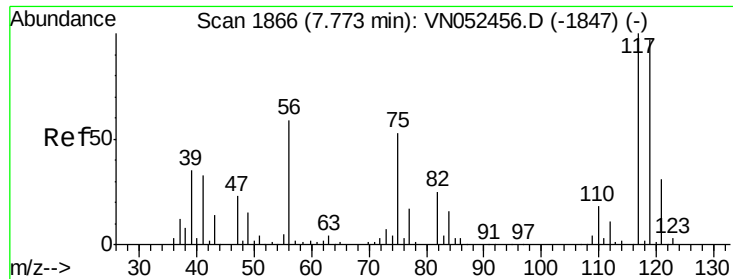
MMDadoda
 12/11/2018 12:45:39 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.345 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.9	76.3
61	45.1	38.1	57.1





#33

Carbon Tetrachloride

Concen: 20.383 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

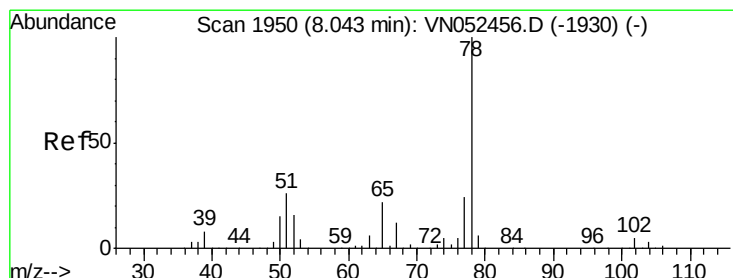
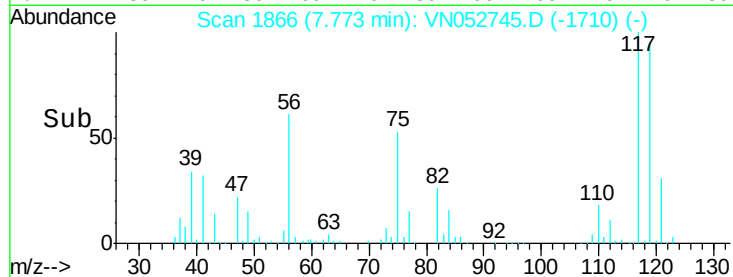
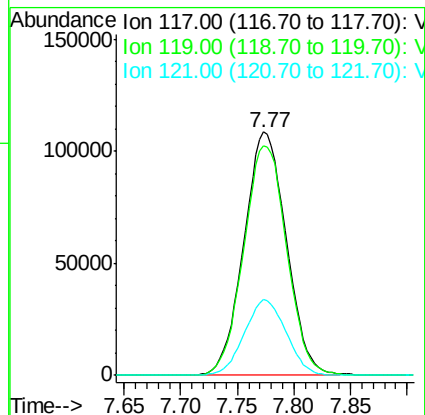
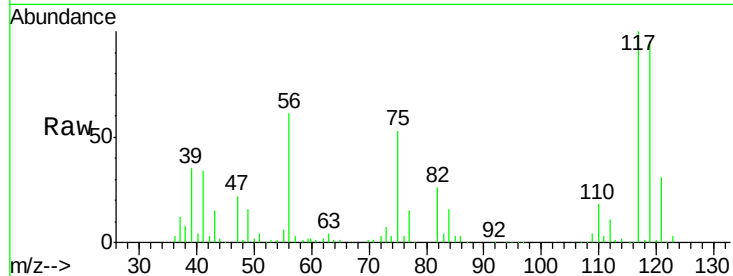
ClientSampled :

VN1210WBS01

Tot Ion:	117	Resp:	283410
Ion Ratio	Lower	Upper	
117	100		
119	94.5	77.3	115.9
121	31.0	24.9	37.3

Manual Integrations
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12/11/2018 12:45:39 PM



#34

Benzene

Concen: 19.692 ug/l

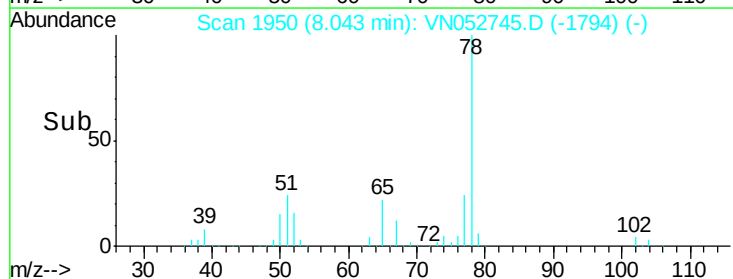
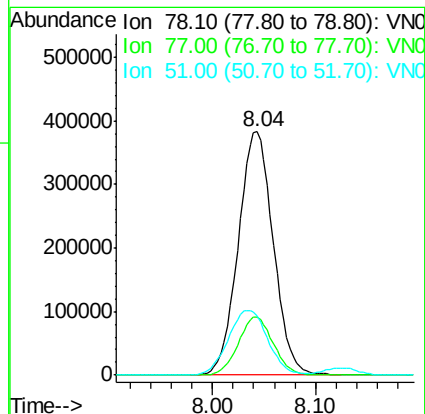
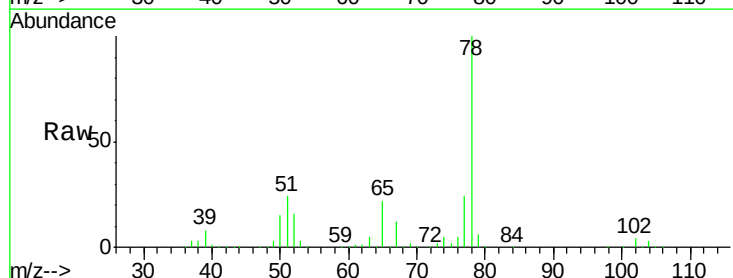
RT: 8.04 min Scan# 1950

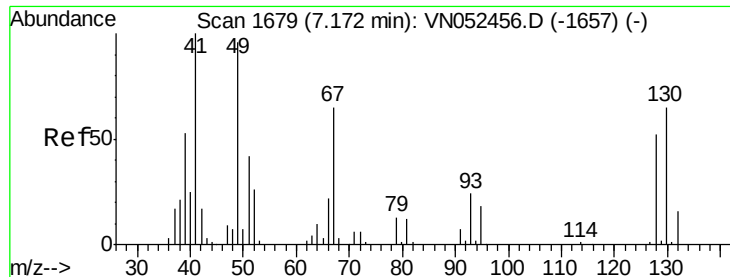
Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	78	Resp:	904201
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.0	28.6
51	24.1	20.5	30.7





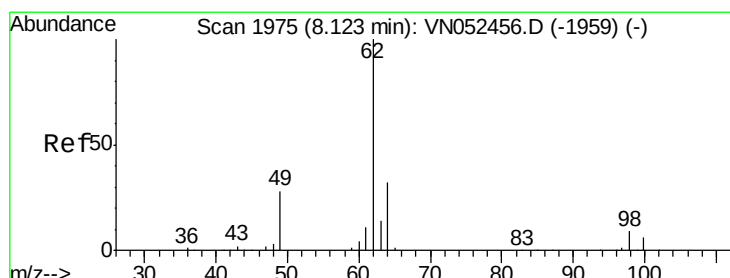
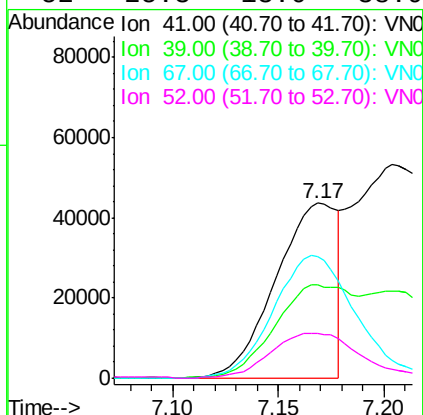
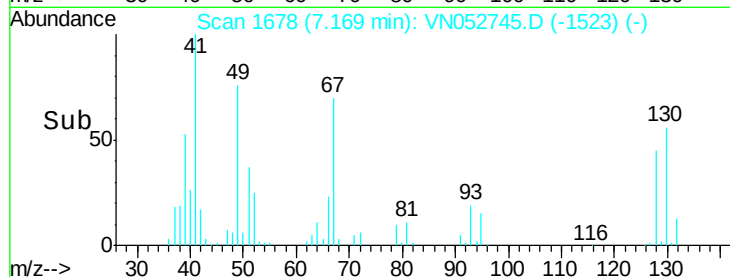
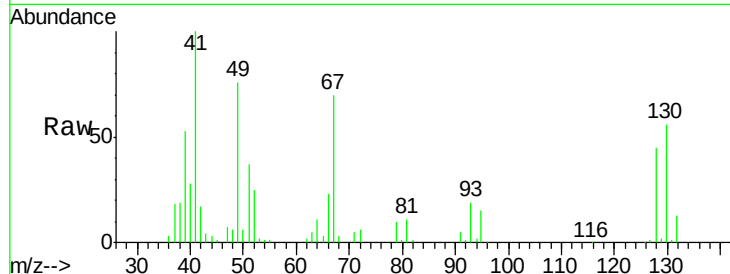
#35
Methacrylonitrile
Concen: 17.482 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion:	41	Resp:	88636
Ion Ratio	Lower	Upper	
41	100		
39	52.7	26.6	79.7
67	69.6	32.3	96.9
52	25.3	13.0	38.9

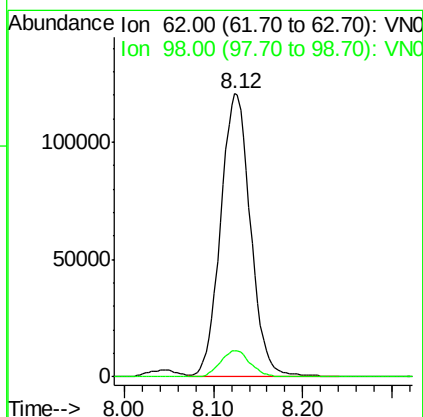
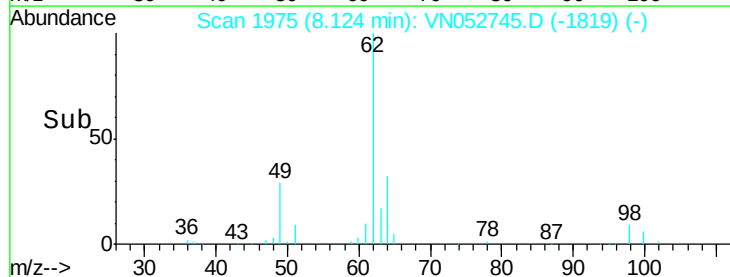
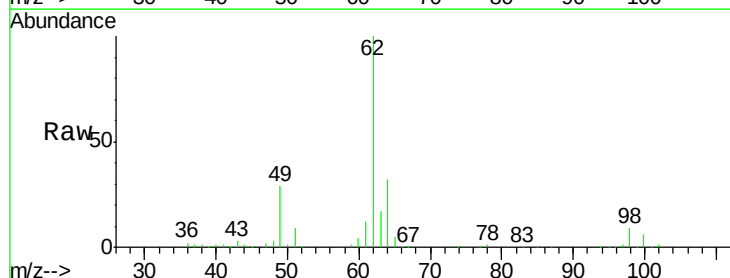
Manual Integrations
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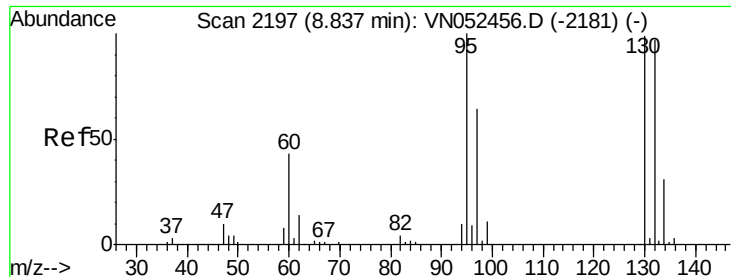
MMDadoda
12/11/2018 12:45:39 PM



#36
1,2-Dichloroethane
Concen: 20.198 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion:	62	Resp:	281037
Ion Ratio	Lower	Upper	
62	100		
98	9.3	7.4	11.2





#37

Trichloroethene

Concen: 21.379 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:130 Resp: 248917

Ion Ratio Lower Upper

130 100

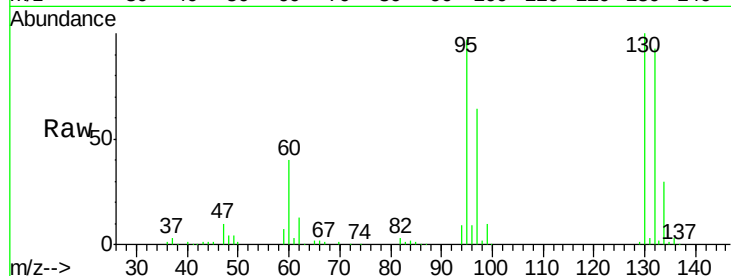
95 96.8 81.0 121.4

Manual Integrations

APPROVED

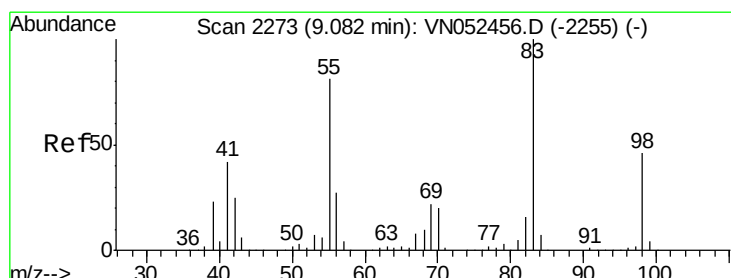
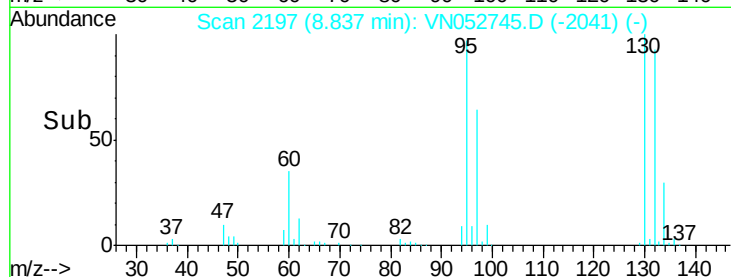
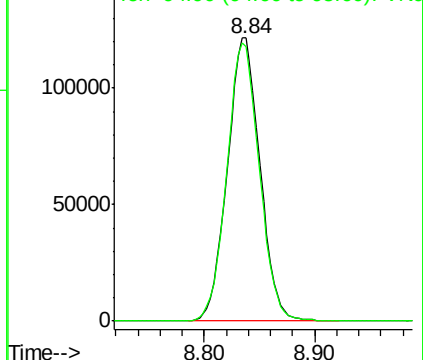
MMDadoda

12/11/2018 12:45:39 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.837 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

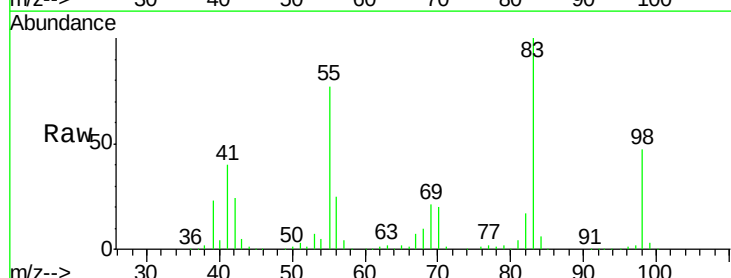
Tgt Ion: 83 Resp: 375028

Ion Ratio Lower Upper

83 100

55 76.3 39.8 119.4

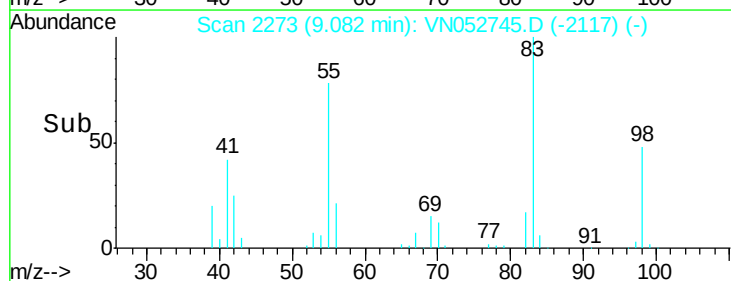
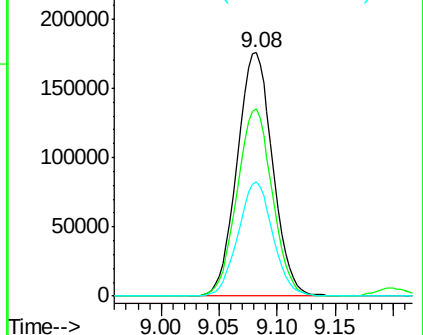
98 46.0 22.9 68.5

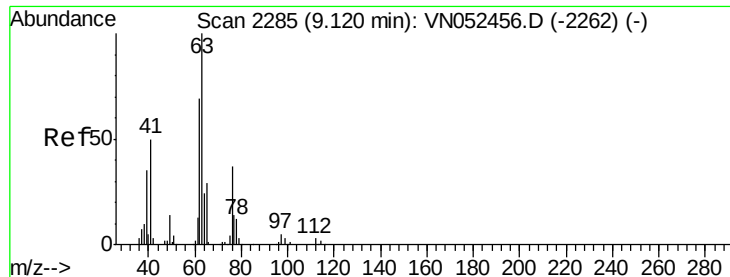


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





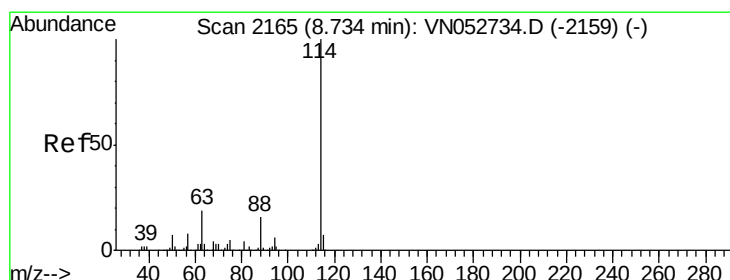
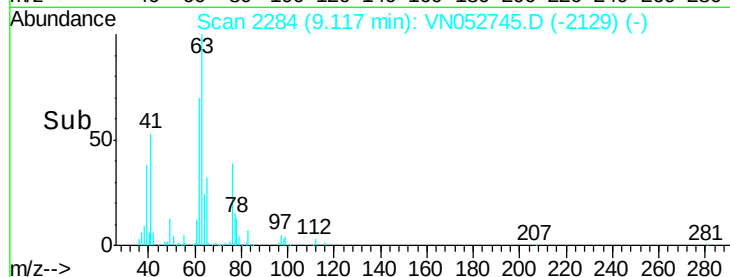
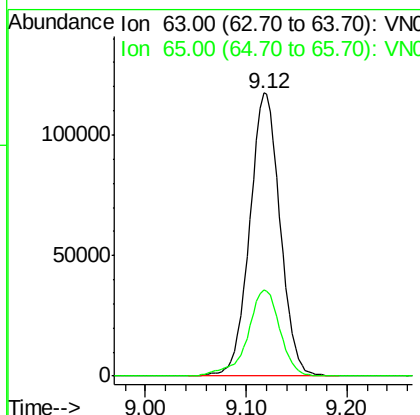
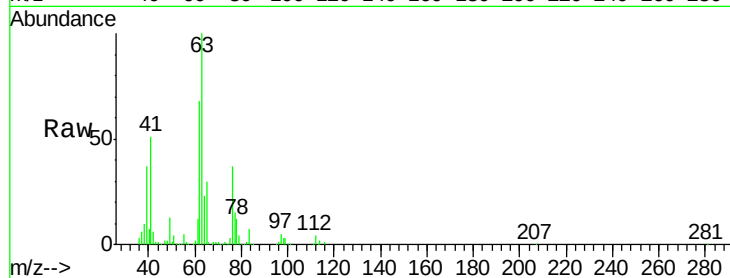
#39
 1,2-Dichloropropane
 Concen: 19.876 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.6	35.4

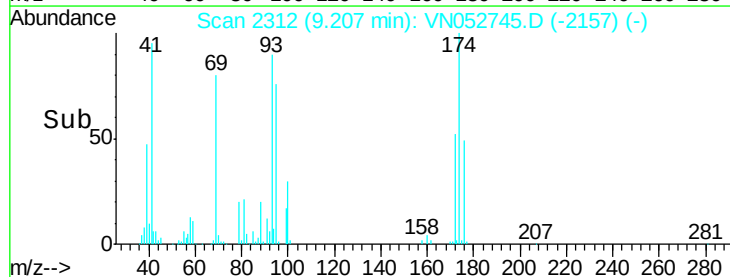
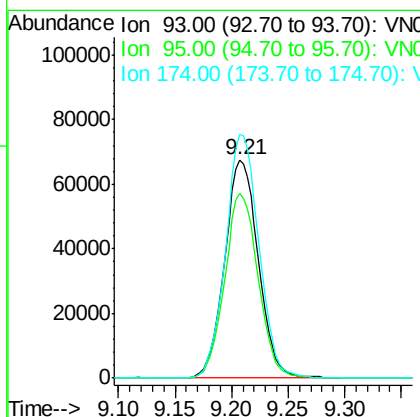
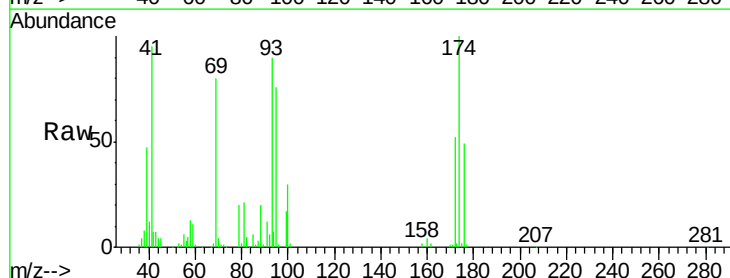
Manual Integrations
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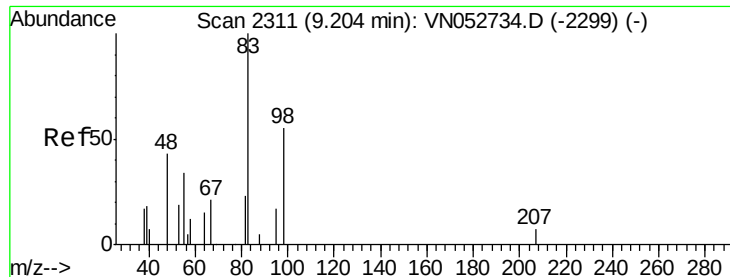
MMDadoda
 12/11/2018 12:45:39 PM



#40
 Dibromomethane
 Concen: 21.057 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	0.0	168.4
174	110.3	0.0	210.0





#41

Bromodichloromethane

Concen: 20.104 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

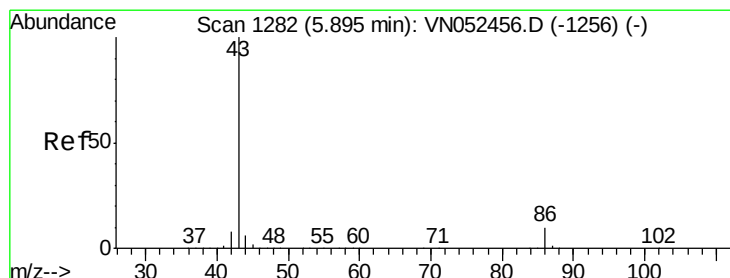
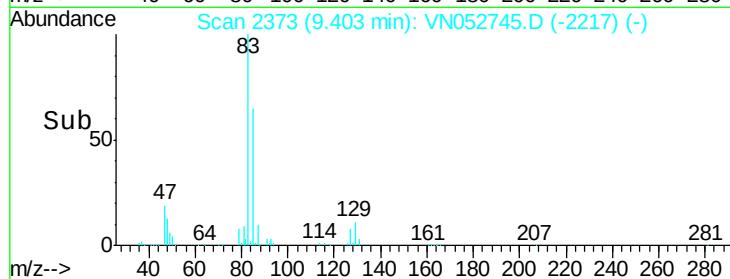
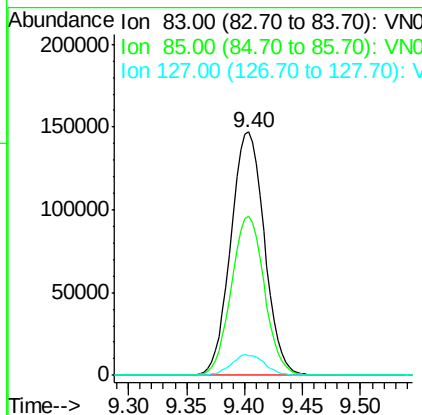
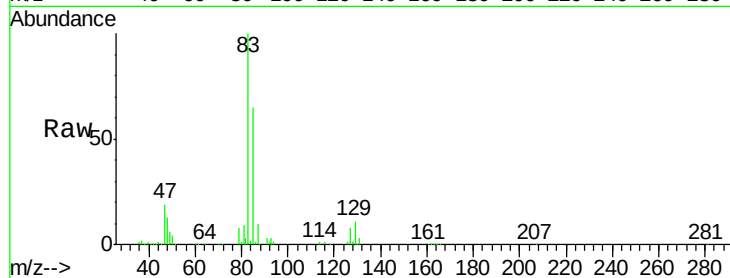
ClientSampleId :

VN1210WBS01

Tot Ion:	83	Resp:	295430
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.4	78.6
127	8.3	6.6	9.8

Manual Integrations
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MMDadoda
12/11/2018 12:45:39 PM



#42

Vinyl Acetate

Concen: 91.952 ug/l

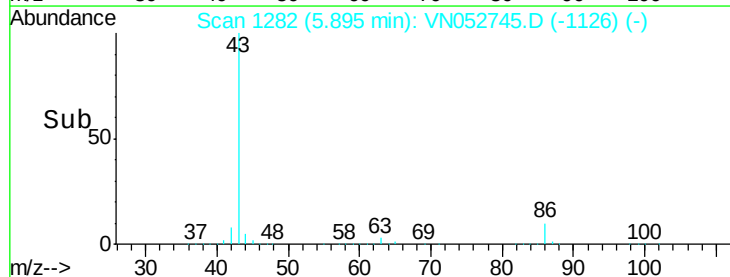
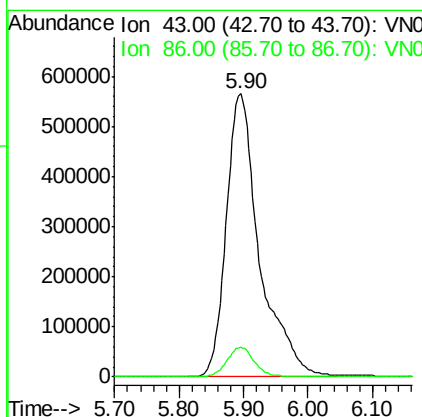
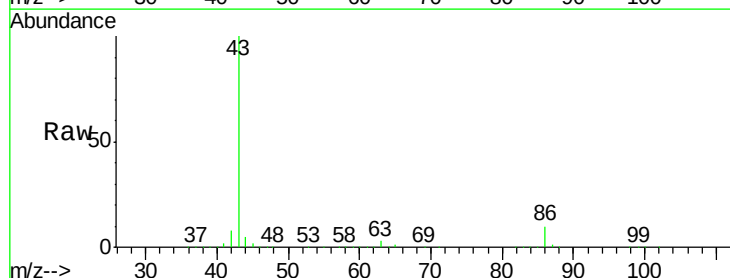
RT: 5.90 min Scan# 1282

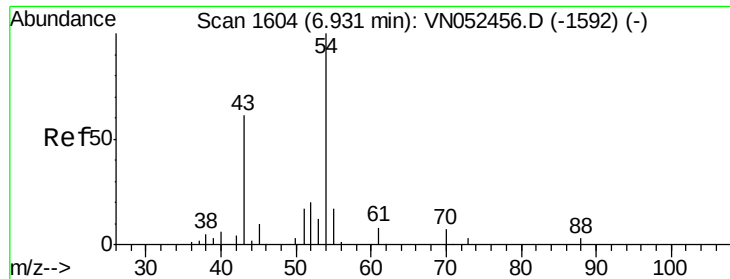
Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	43	Resp:	2033116
Ion Ratio	Lower	Upper	
43	100		
86	8.7	6.5	9.7





#43

Ethyl Acetate

Concen: 19.238 ug/l

RT: 6.92 min Scan# 1602

Delta R.T. -0.01 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 43 Resp: 167172

Ion Ratio Lower Upper

43 100

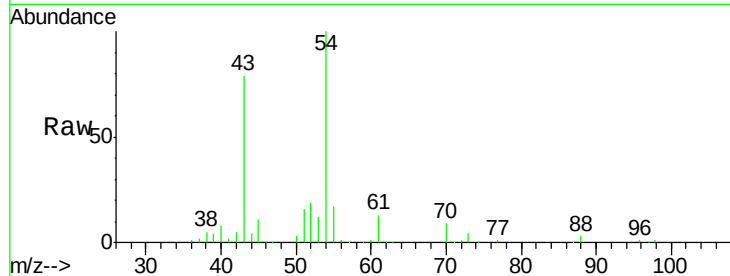
45 13.8 1.0 1.6#

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

150000

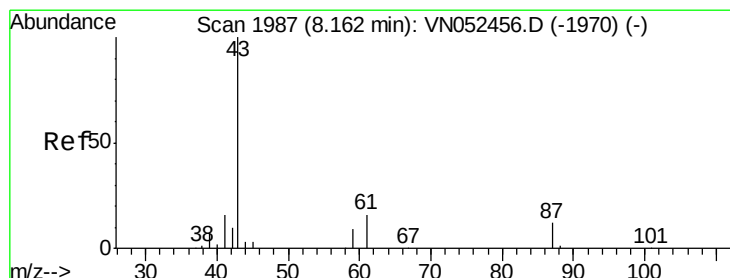
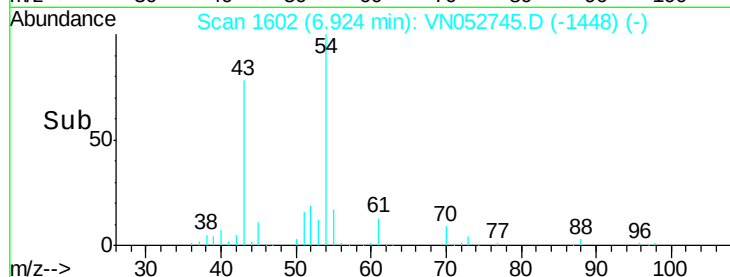
100000

50000

0

6.85 6.90 6.95 7.00 7.05

Time-->



#44

Isopropyl Acetate

Concen: 21.195 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052745.D

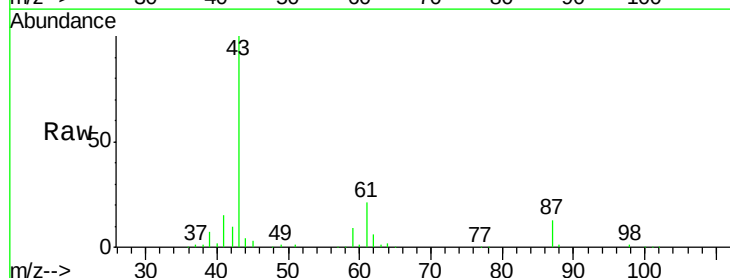
Acq: 10 Dec 2018 11:37

Tgt Ion: 43 Resp: 323014

Ion Ratio Lower Upper

43 100

61 29.4 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

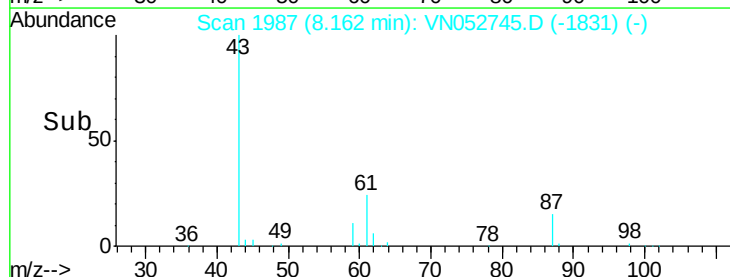
100000

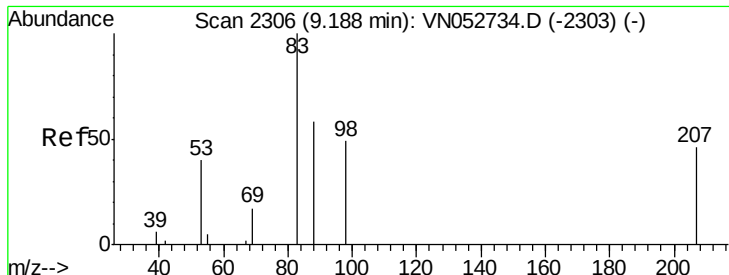
50000

0

8.05 8.10 8.15 8.20 8.25

Time-->





#45

1,4-Dioxane

Concen: 452.396 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

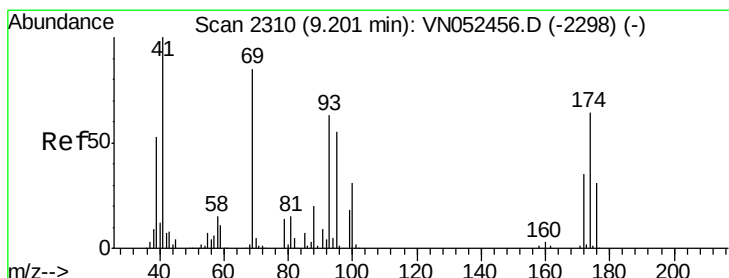
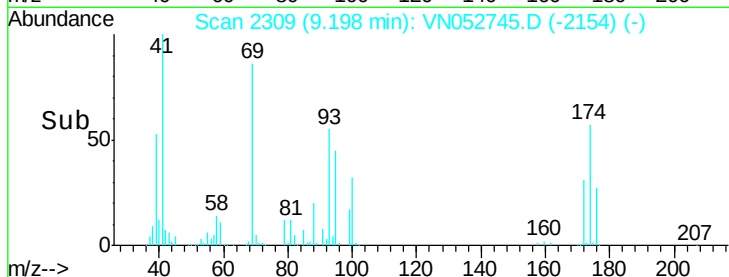
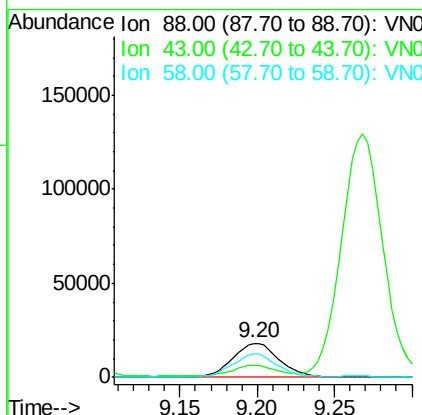
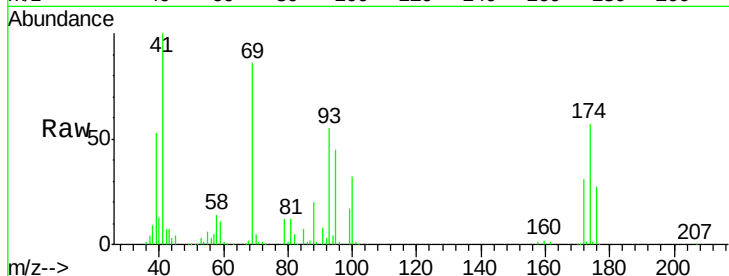
ClientSampleId :

VN1210WBS01

Tot Ion:	88	Resp:	37717
Ion	Ratio	Lower	Upper
88	100		
43	31.4	29.5	44.3
58	68.3	61.5	92.3

Manual Integrations
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12/11/2018 12:45:39 PM



#46

Methyl methacrylate

Concen: 20.673 ug/l

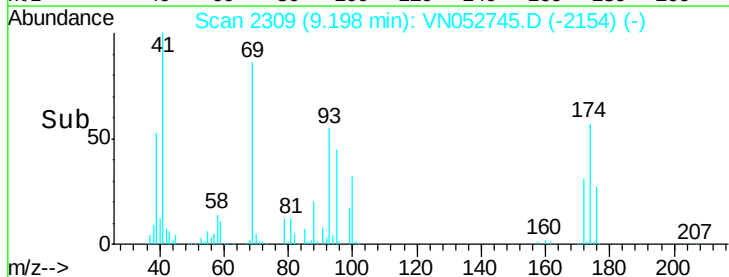
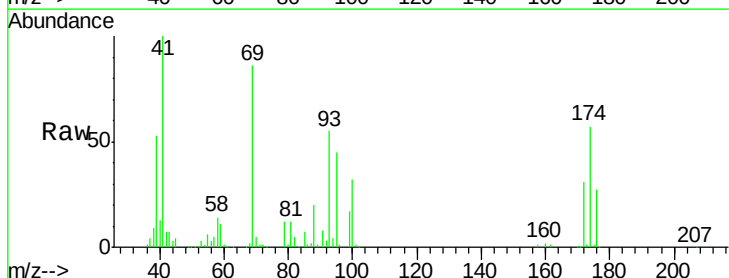
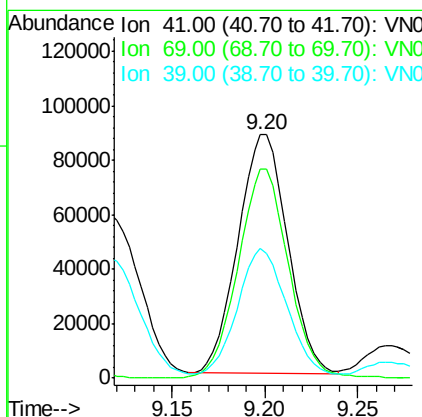
RT: 9.20 min Scan# 2309

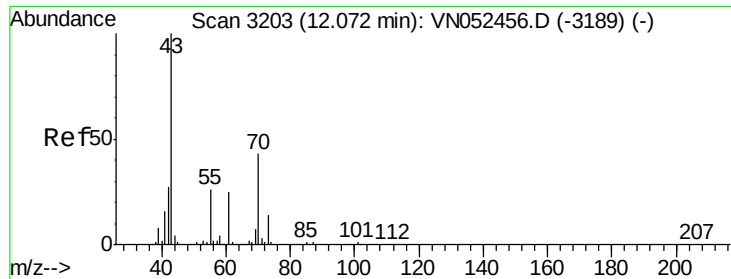
Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	41	Resp:	163581
Ion	Ratio	Lower	Upper
41	100		
69	87.0	42.5	127.6
39	52.6	26.3	78.9





#47

n-amvl Acetate

Concen: 22.173 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 43 Resp: 280172

Ion Ratio Lower Upper

43 100

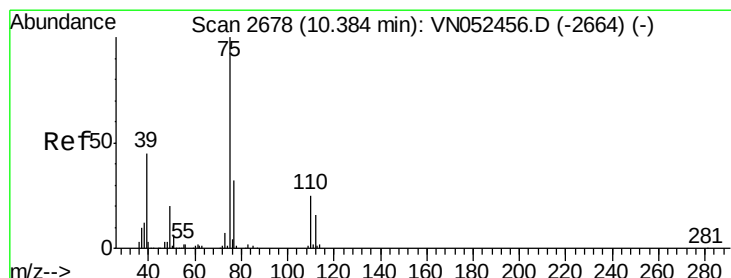
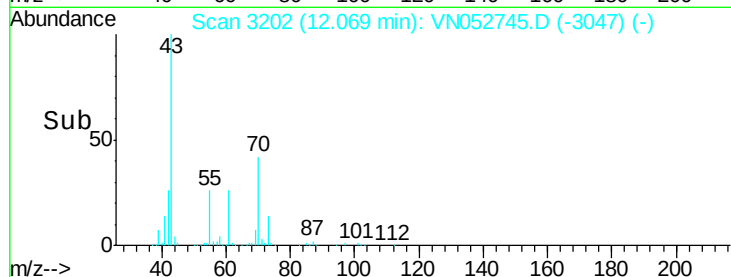
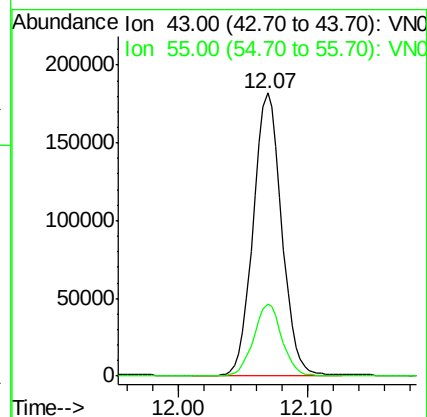
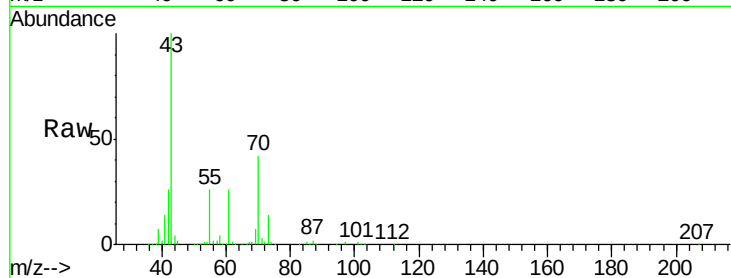
55 25.4 21.1 31.7

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.411 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052745.D

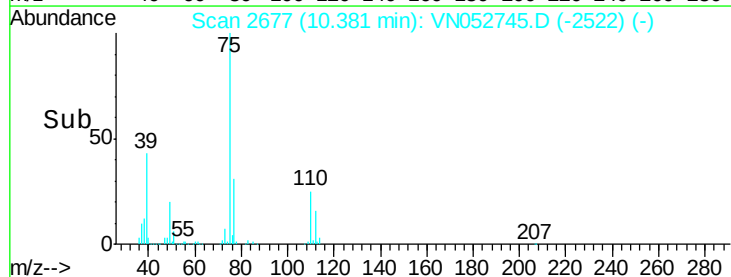
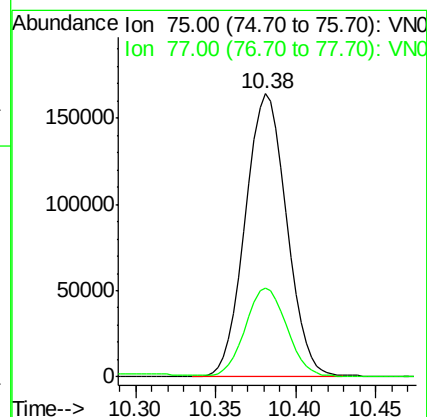
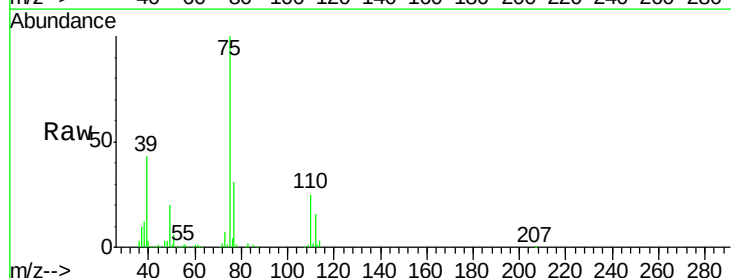
Acq: 10 Dec 2018 11:37

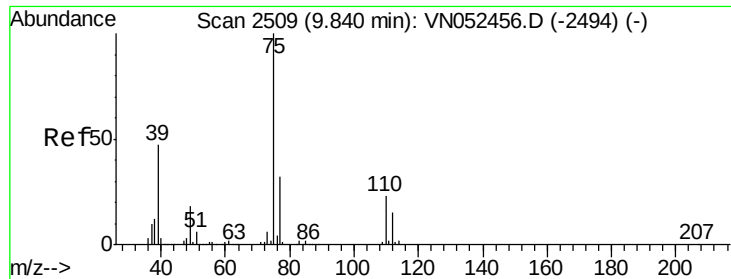
Tgt Ion: 75 Resp: 290822

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4





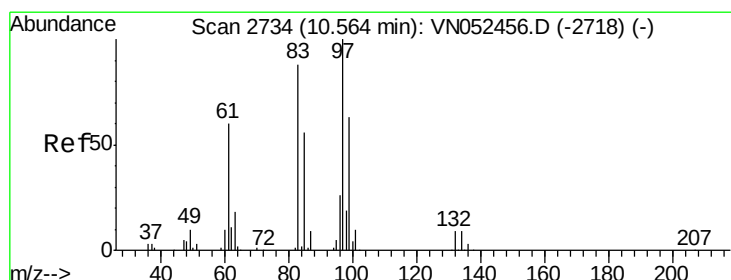
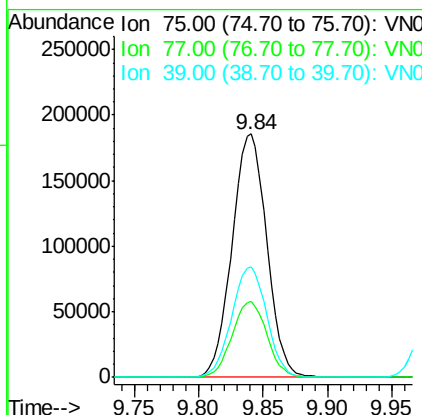
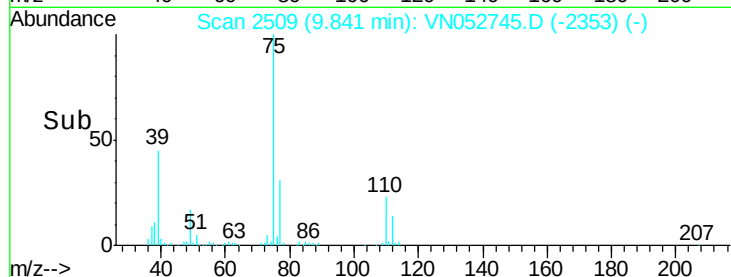
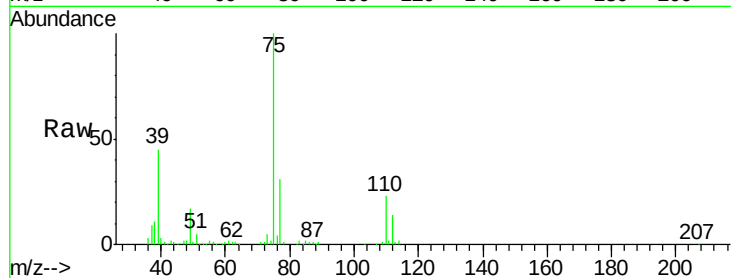
#49
 cis-1,3-Dichloropropene
 Concen: 20.076 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.0
39	45.3	37.3	55.9

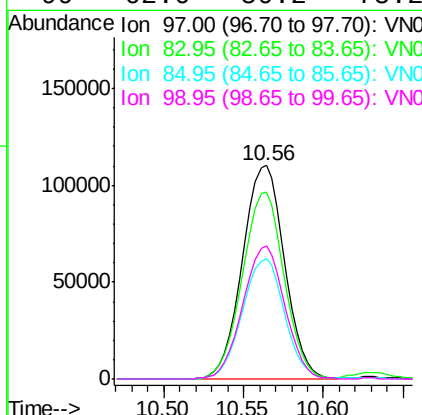
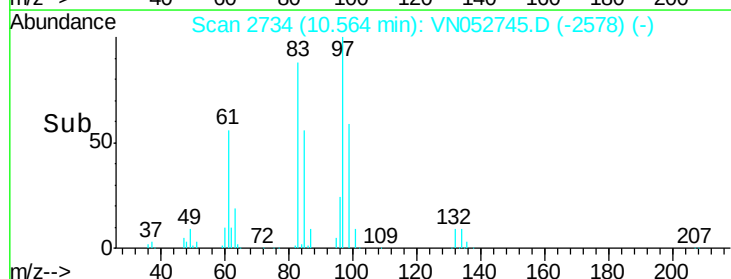
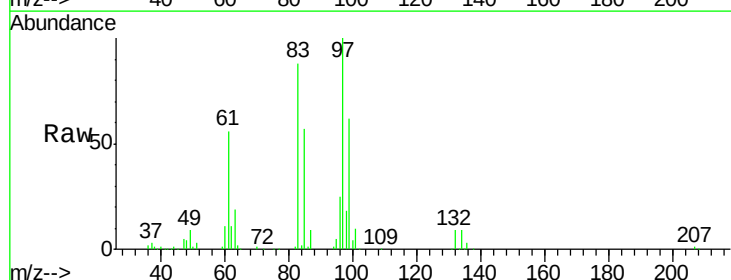
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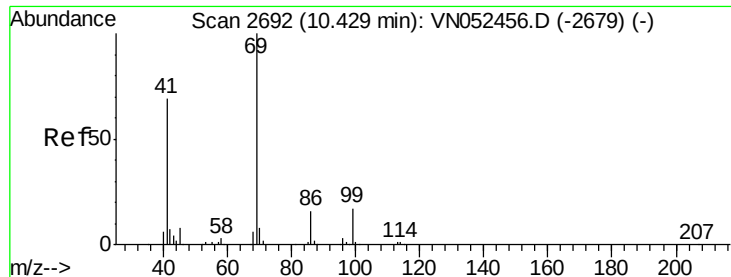
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.995 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.4	105.6
85	56.5	45.0	67.6
99	62.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.073 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

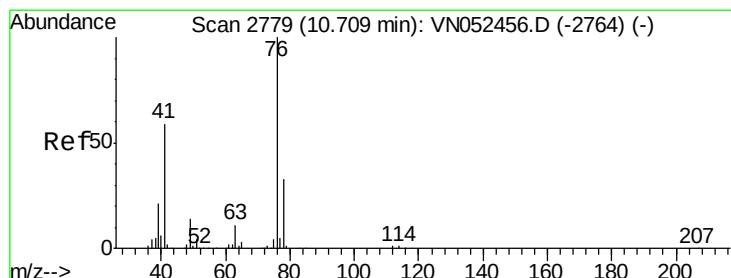
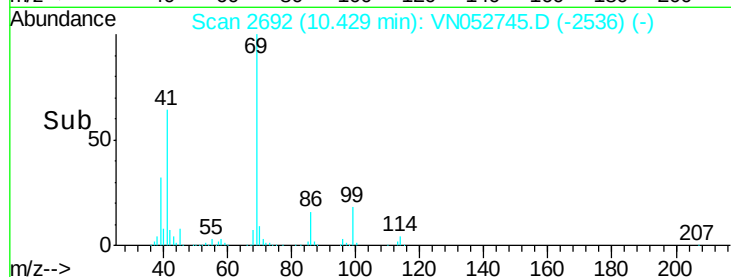
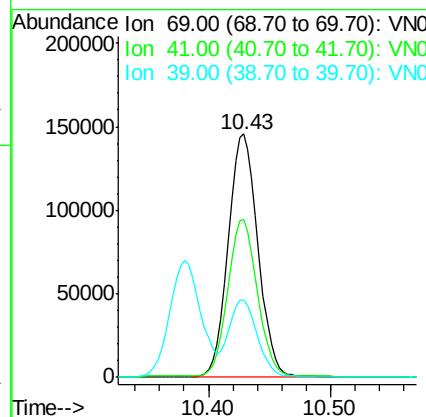
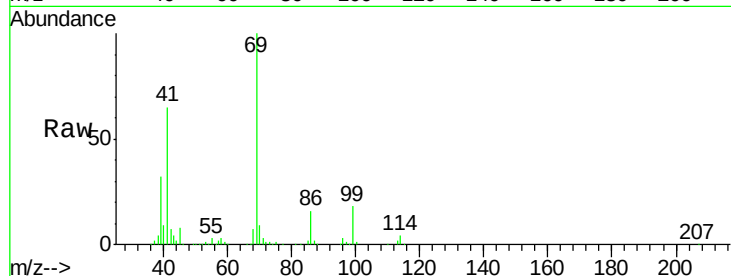
ClientSampleId :

VN1210WBS01

Tot Ion:	69	Resp:	249523
Ion Ratio	Lower	Upper	
69	100		
41	64.2	34.4	103.3
39	31.8	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.211 ug/l

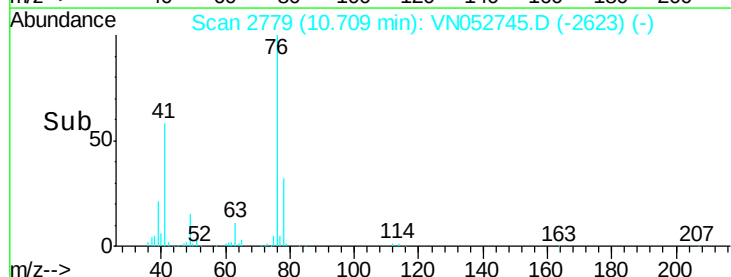
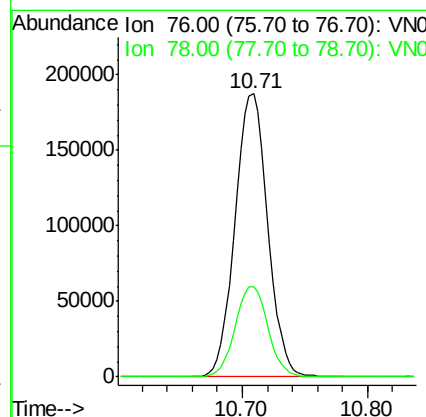
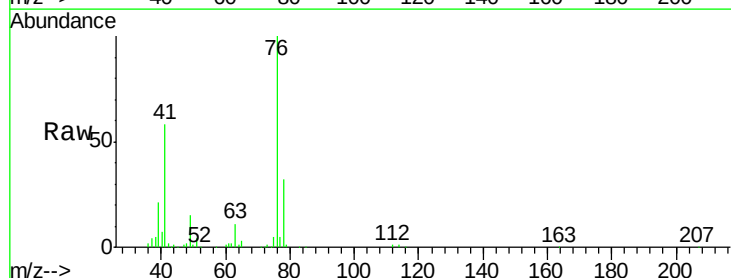
RT: 10.71 min Scan# 2779

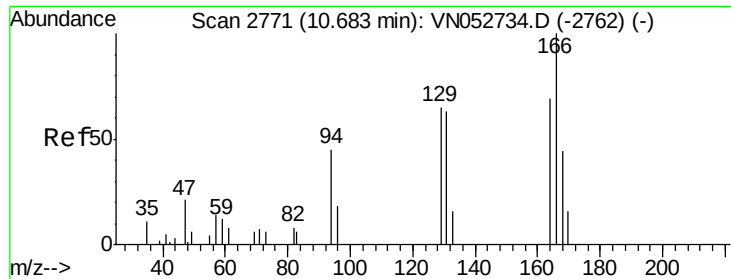
Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	76	Resp:	339168
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	64.8





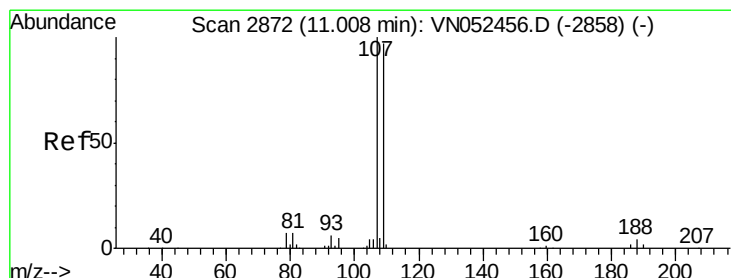
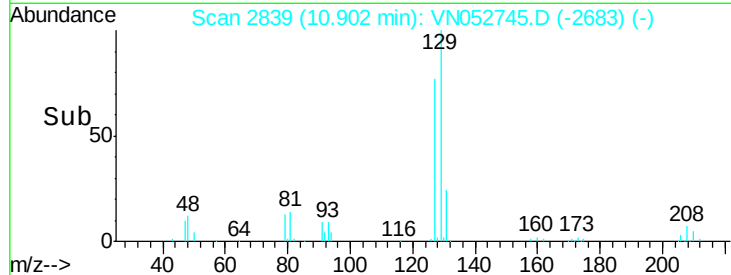
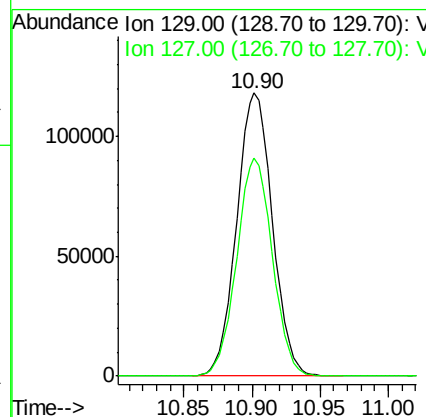
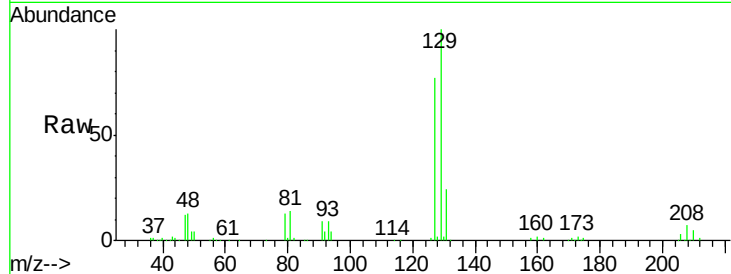
#53
 Dibromochloromethane
 Concen: 20.671 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion:129 Resp: 214562
 Ion Ratio Lower Upper
 129 100
 127 76.9 37.6 112.8

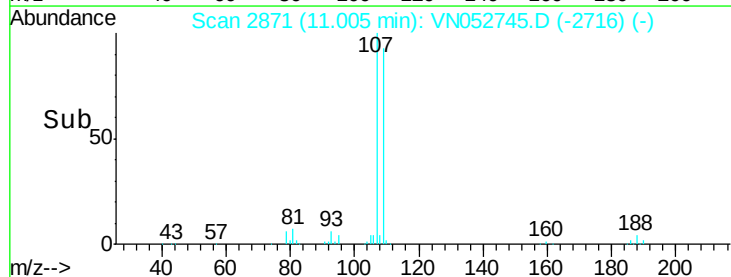
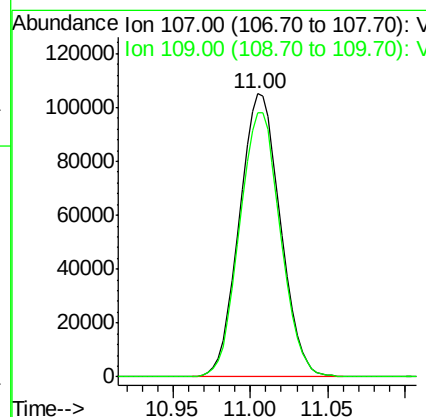
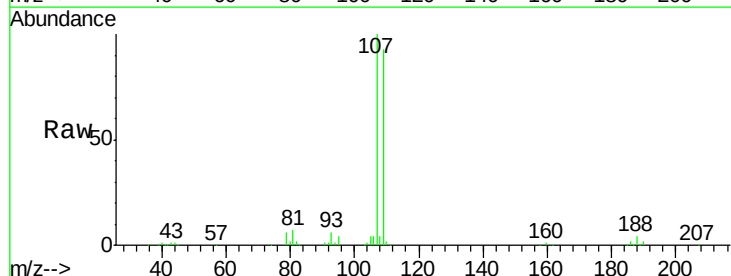
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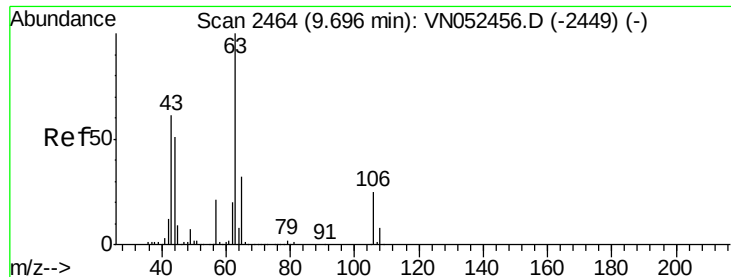
MMDadoda
 12/11/2018 12:45:39 PM



#54
 1,2-Dibromoethane
 Concen: 20.991 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion:107 Resp: 193387
 Ion Ratio Lower Upper
 107 100
 109 93.4 77.1 115.7





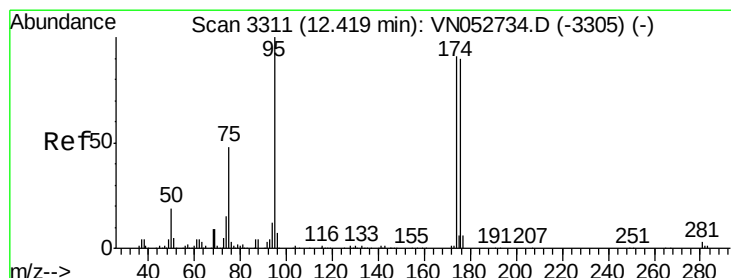
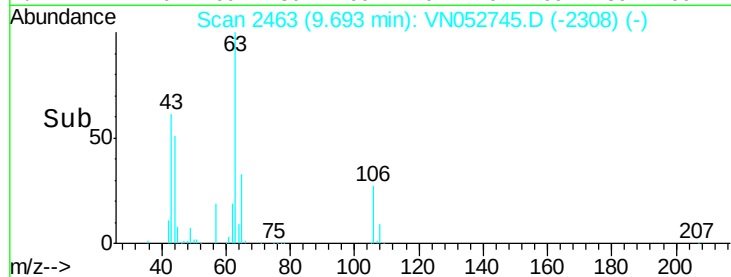
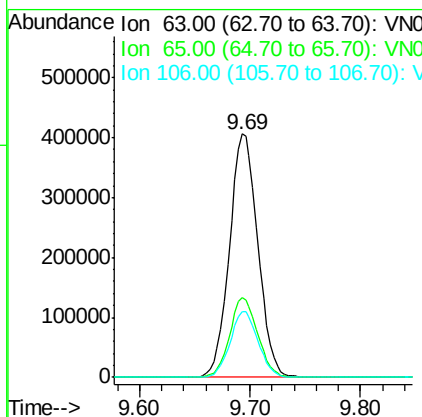
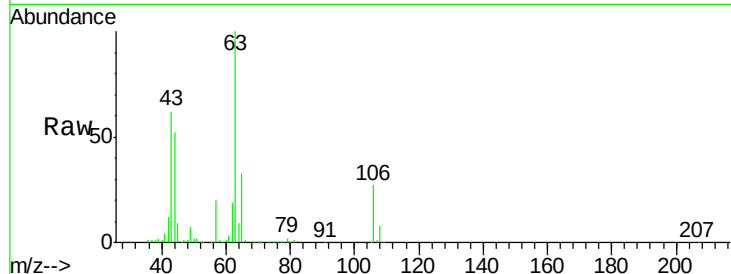
#55
2-Chloroethyl vinyl ether
Concen: 104.241 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.2
106	26.7	20.4	30.6

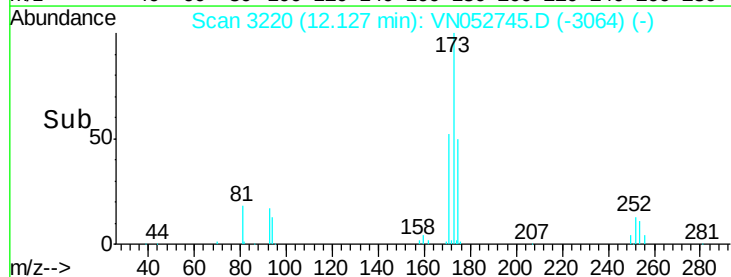
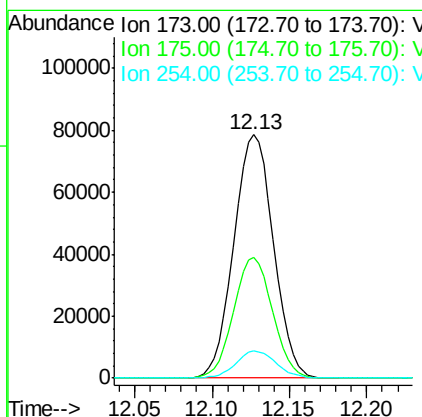
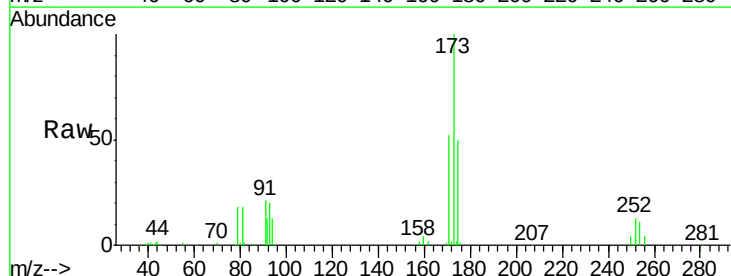
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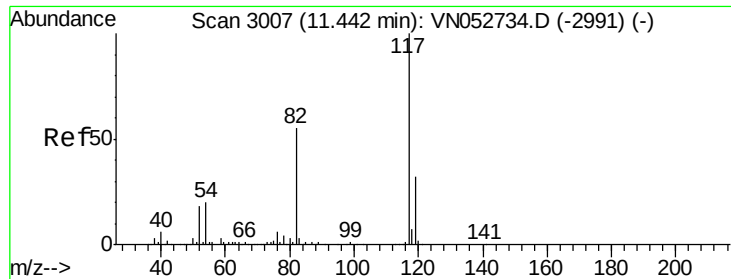
MMDadoda
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#56
Bromoform
Concen: 20.626 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	11.3	8.4	12.6





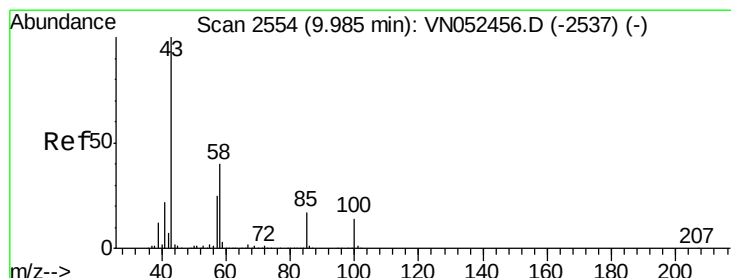
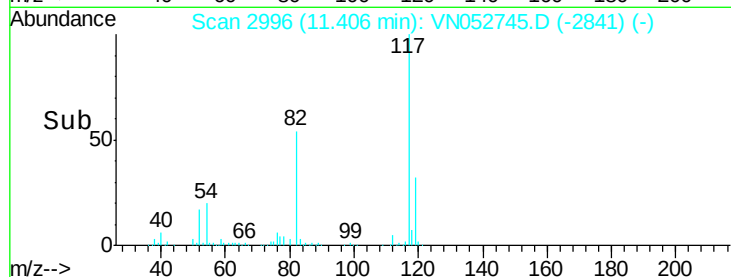
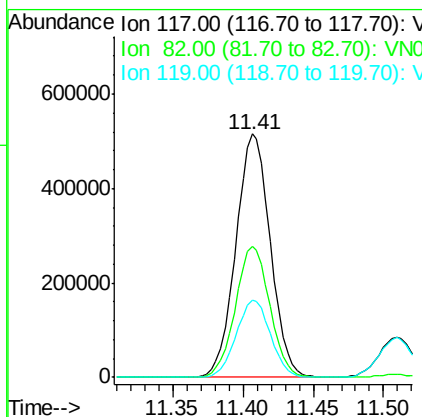
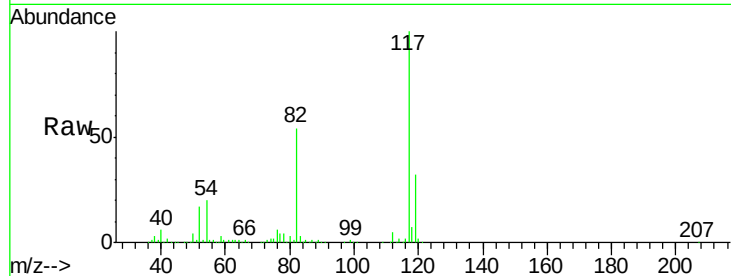
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	882484		
82	53.7		44.2	66.2
119	31.5		25.4	38.2

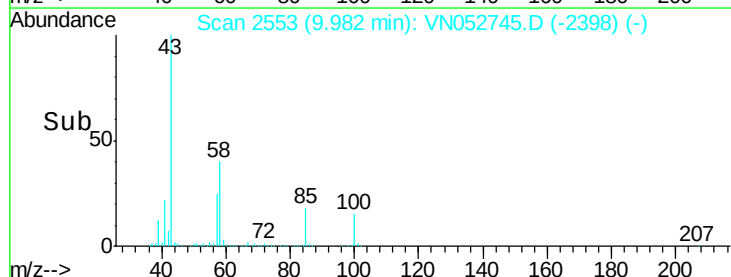
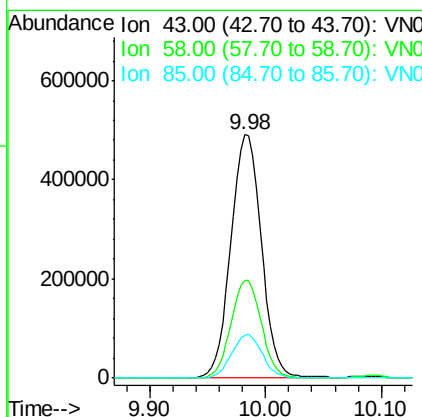
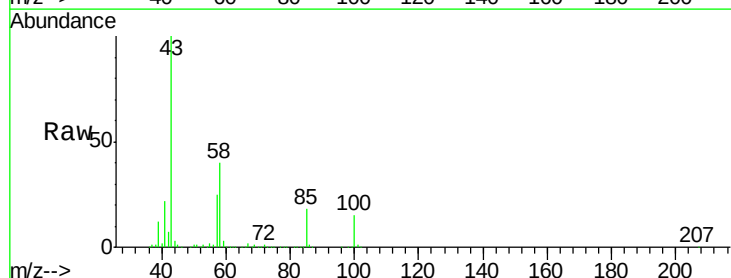
Manual Integrations
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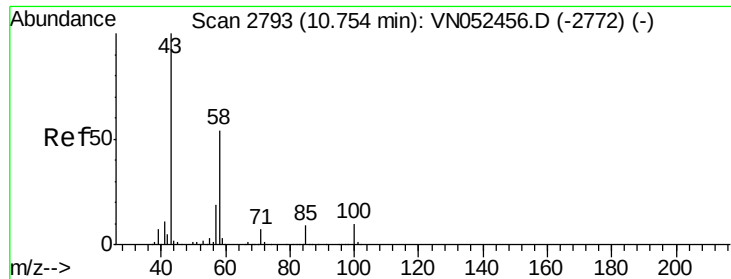
MMDadoda
12/11/2018 12:45:39 PM



#58
4-Methyl-2-Pentanone
Concen: 104.798 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	896592		
58	40.1		31.6	47.4
85	17.9		13.3	19.9





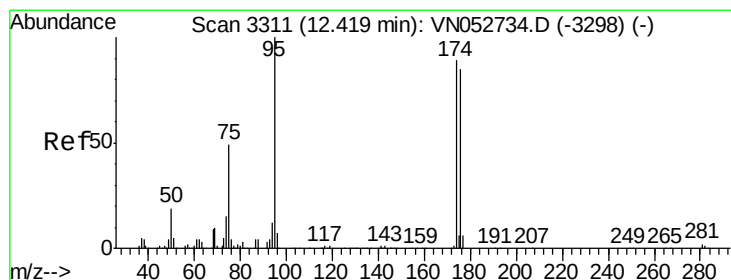
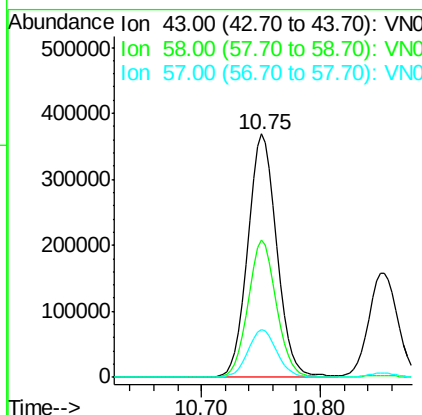
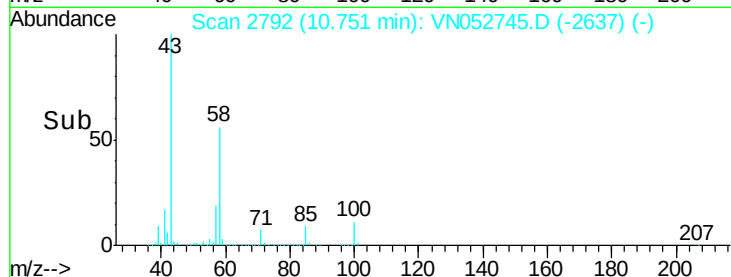
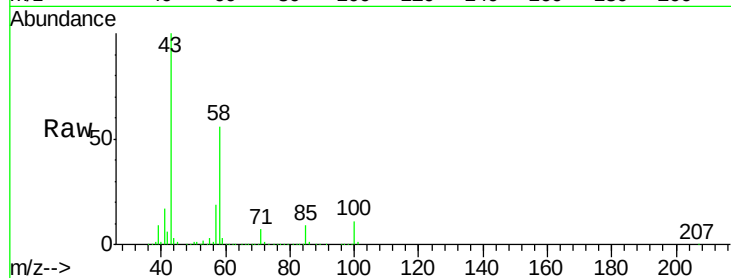
#59
2-Hexanone
Concen: 106.220 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	43.2	64.8
57	19.5	14.9	22.3

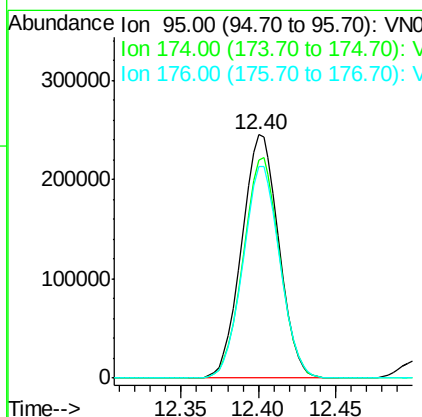
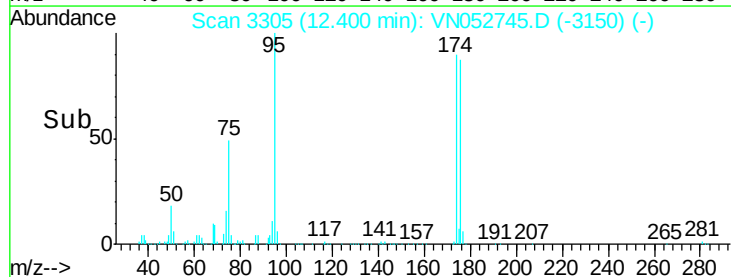
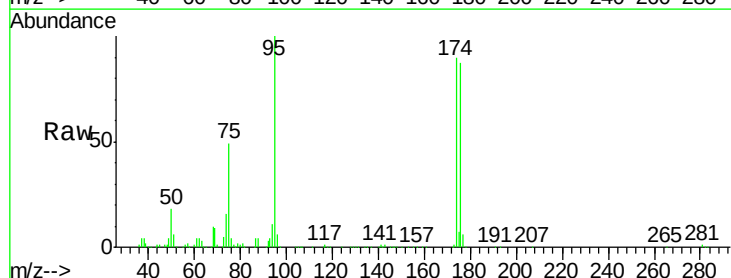
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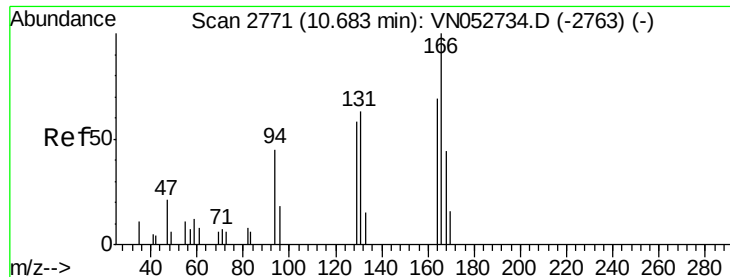
MMDadoda
12/11/2018 12:45:39 PM



#60
4-Bromofluorobenzene
Concen: 106.220 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	67.9	101.9
176	86.7	66.4	99.6





#61

Tetrachloroethene

Concen: 24.905 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:164 Resp: 270691

Ion Ratio Lower Upper

164 100

166 129.6 104.6 157.0

129 91.2 75.3 112.9

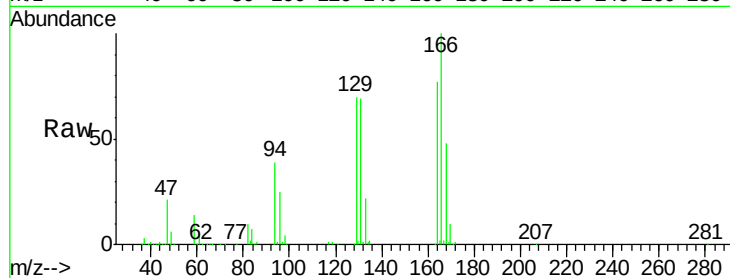
131 88.9 74.3 111.5

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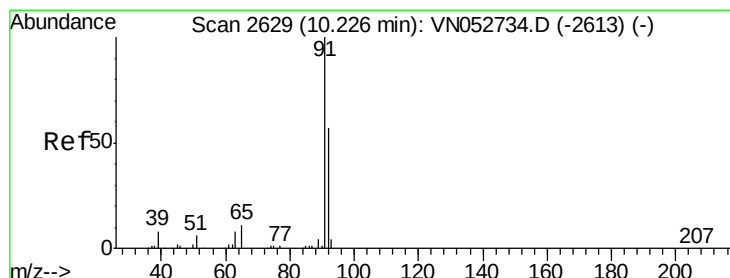
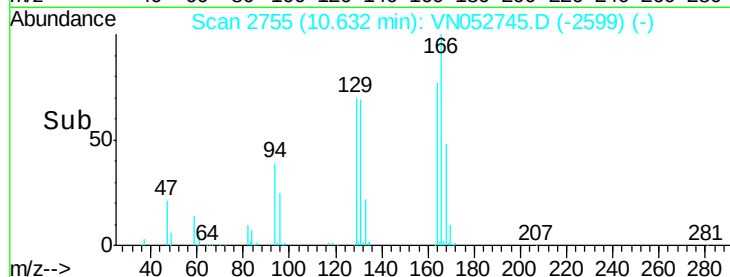
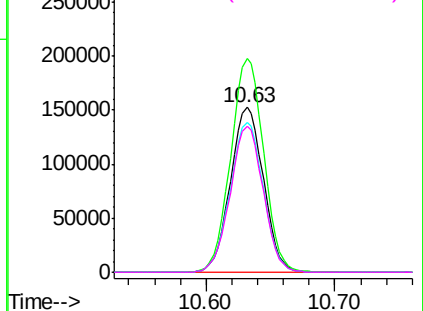


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.178 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052745.D

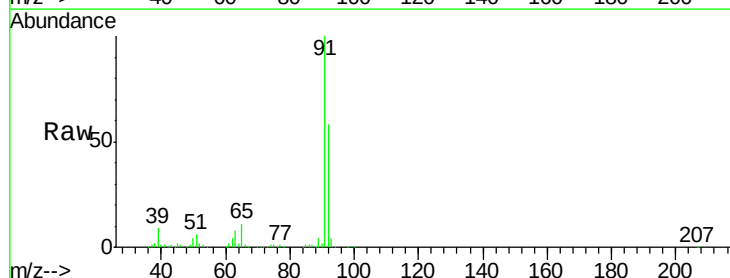
Acq: 10 Dec 2018 11:37

Tgt Ion: 91 Resp: 981621

Ion Ratio Lower Upper

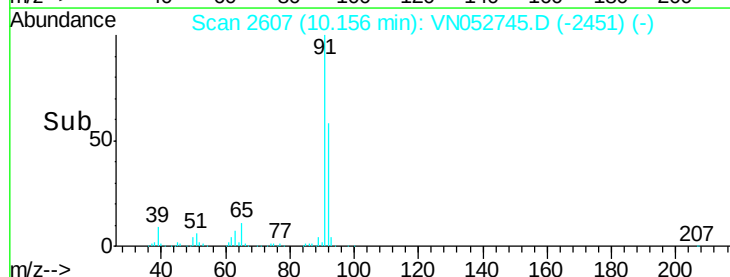
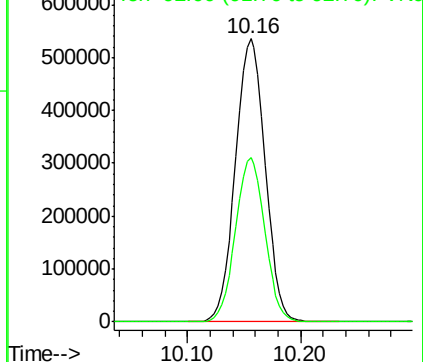
91 100

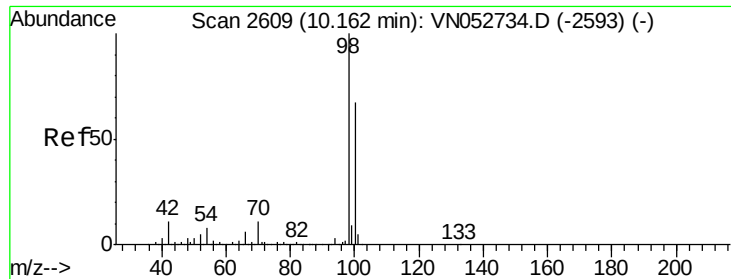
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.178 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 98 Resp: 1188757

Ion Ratio Lower Upper

98 100

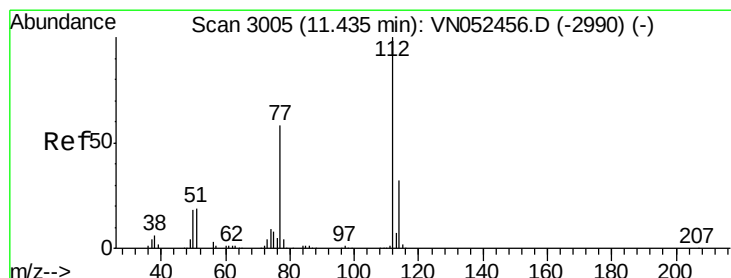
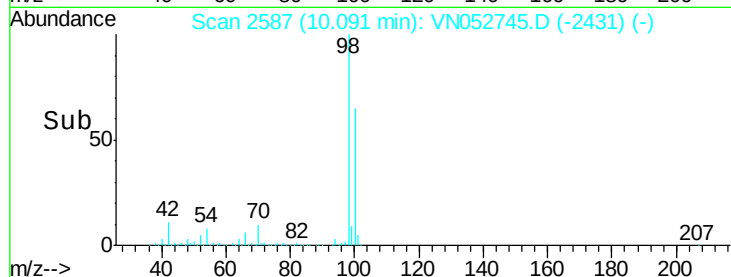
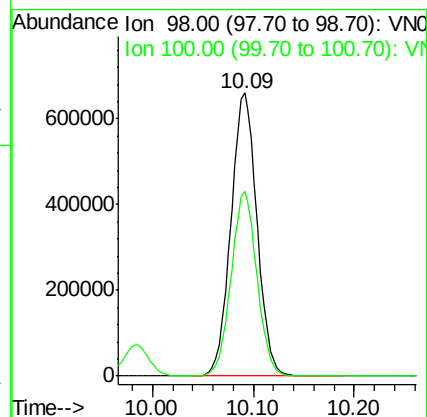
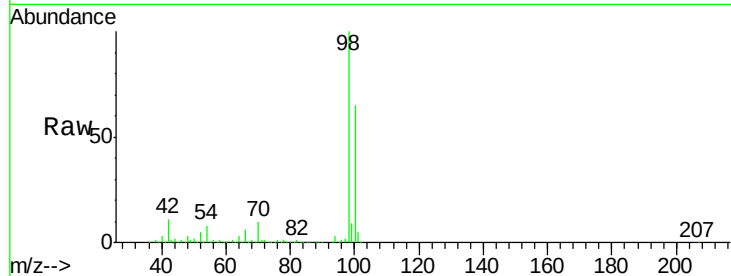
100 64.4 51.1 76.7

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#64

Chlorobenzene

Concen: 20.617 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052745.D

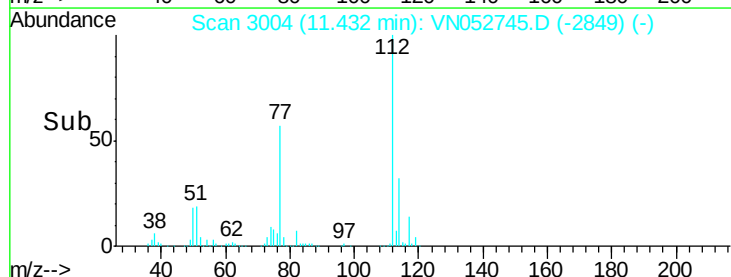
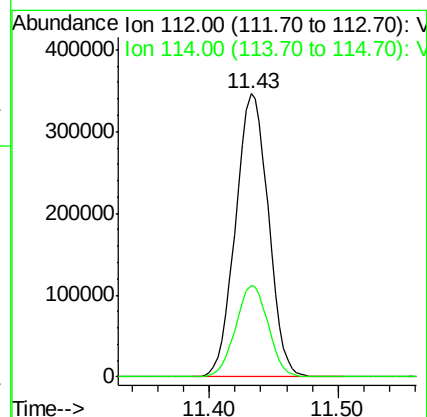
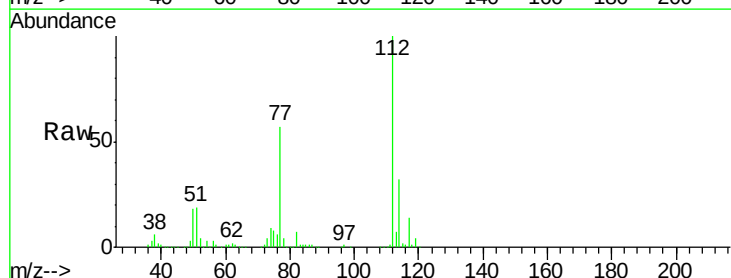
Acq: 10 Dec 2018 11:37

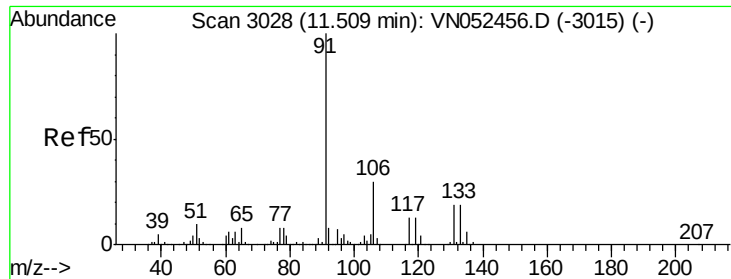
Tgt Ion: 112 Resp: 612184

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.090 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

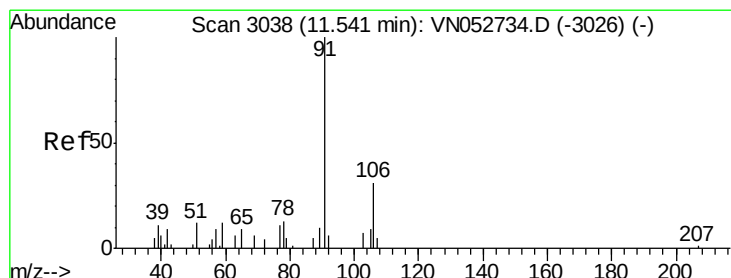
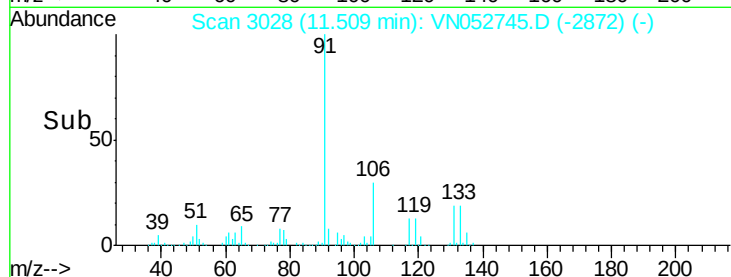
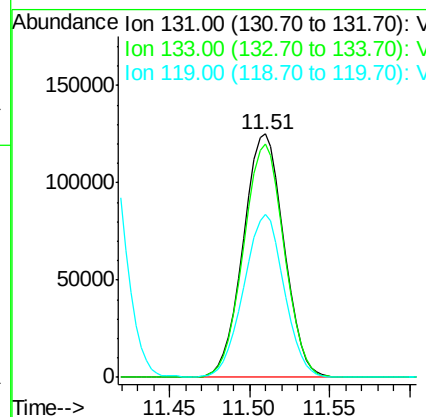
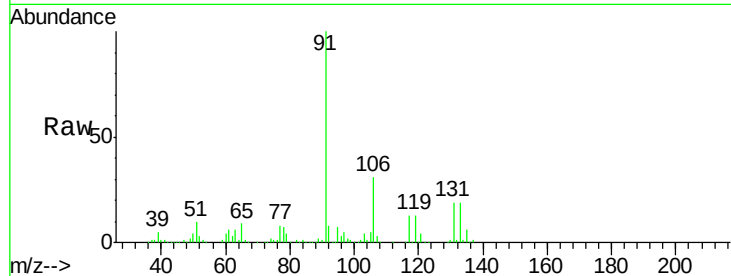
ClientSampleId :

VN1210WBS01

Tot Ion:	131	Resp:	217370
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	193.4
119	66.4	0.0	133.0

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#66

Ethyl Benzene

Concen: 20.434 ug/l

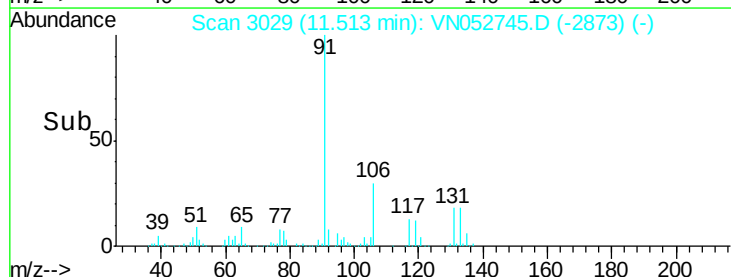
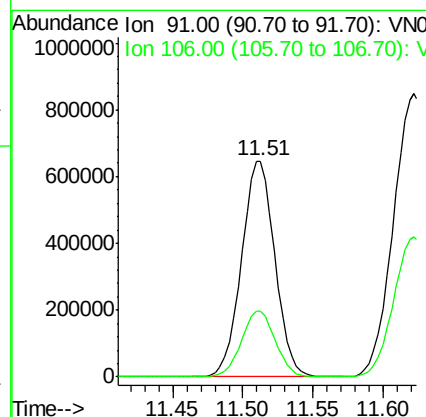
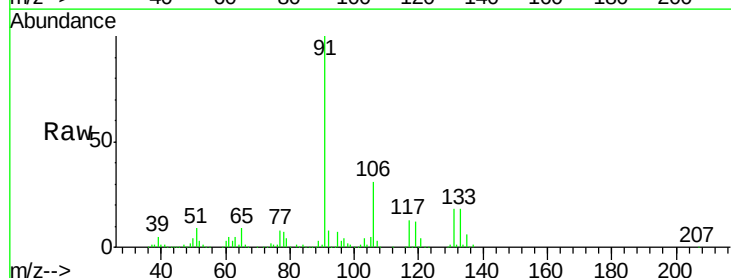
RT: 11.51 min Scan# 3029

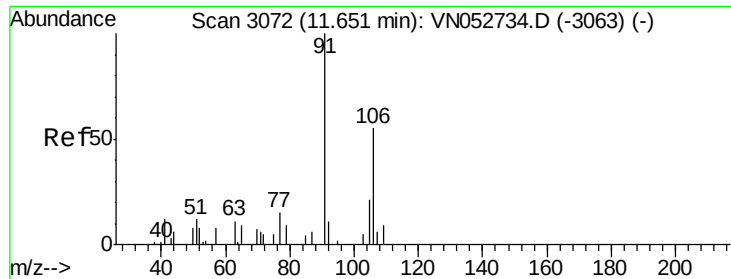
Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	91	Resp:	1071411
Ion Ratio	Lower	Upper	
91	100		
106	30.6	24.3	36.5





#67

m/p-Xylenes

Concen: 41.369 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:106 Resp: 808102

Ion Ratio Lower Upper

106 100

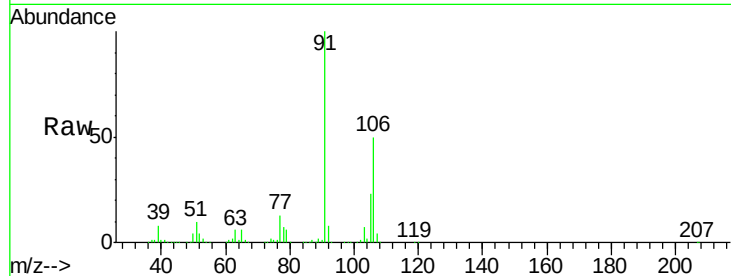
91 203.5 163.9 245.9

Manual Integrations

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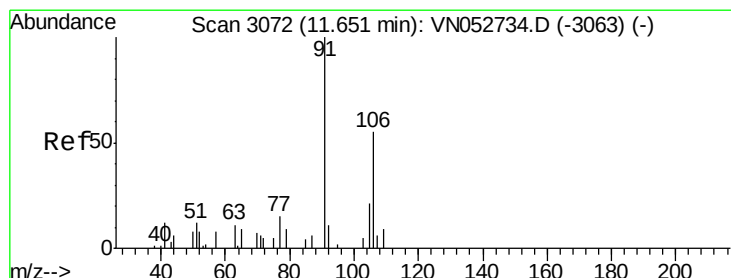
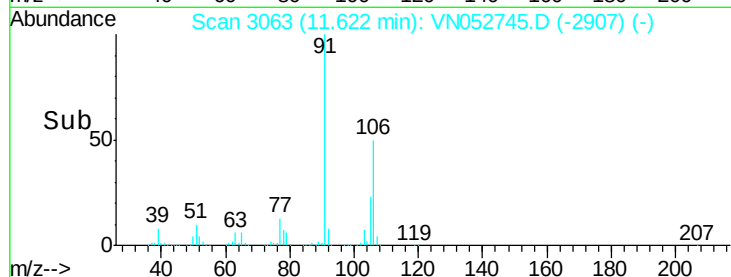
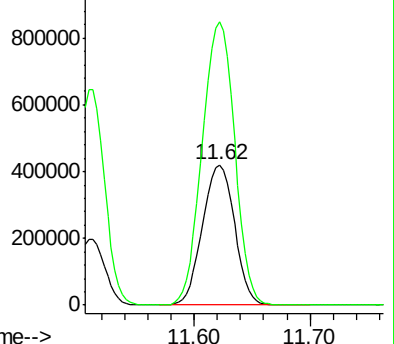
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.928 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052745.D

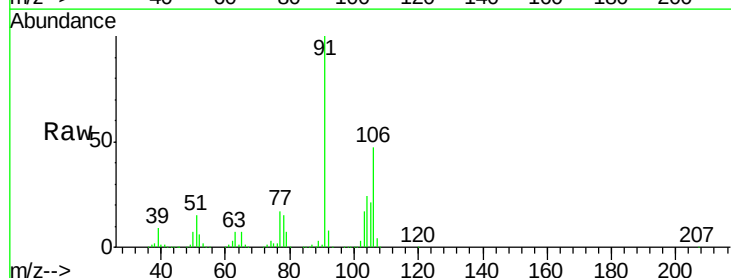
Acq: 10 Dec 2018 11:37

Tgt Ion:106 Resp: 396782

Ion Ratio Lower Upper

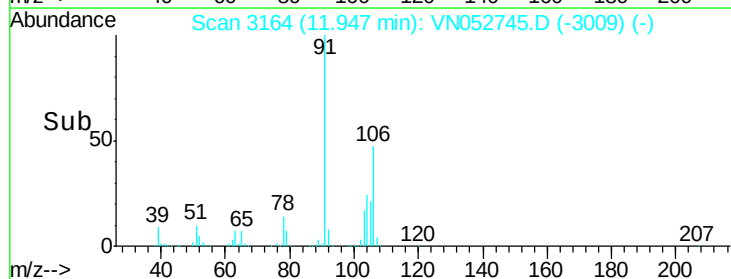
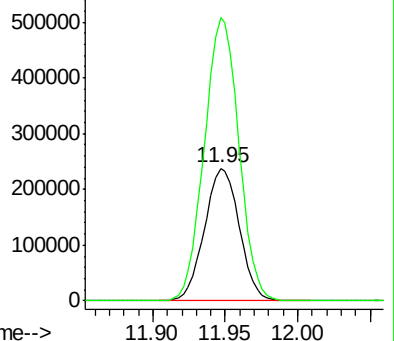
106 100

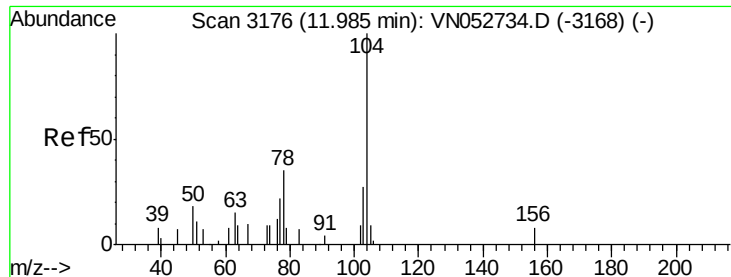
91 211.9 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





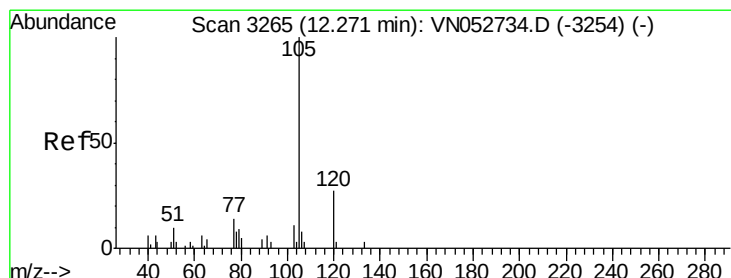
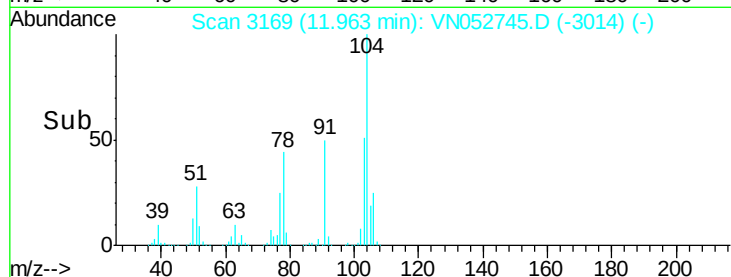
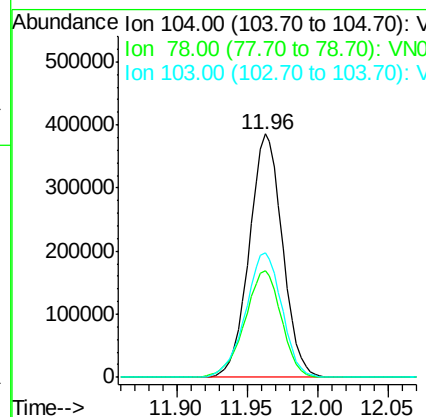
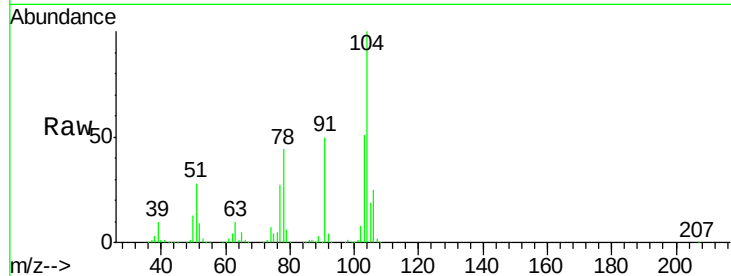
#69
Stvrene
Concen: 20.828 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.3	58.9
103	56.0	44.6	66.8

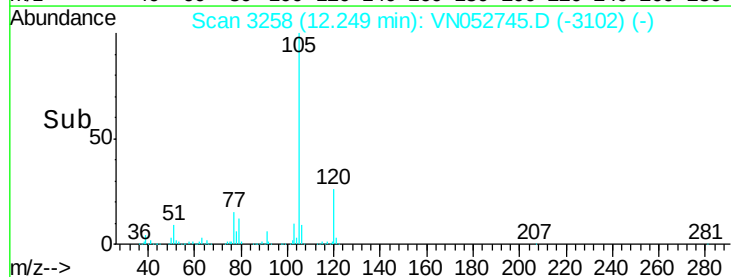
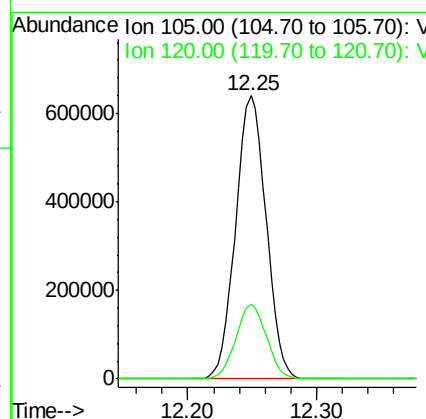
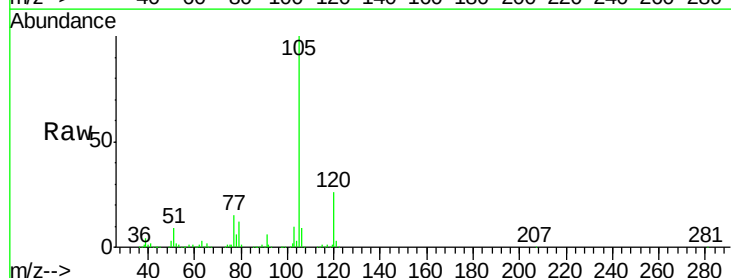
Manual Integrations
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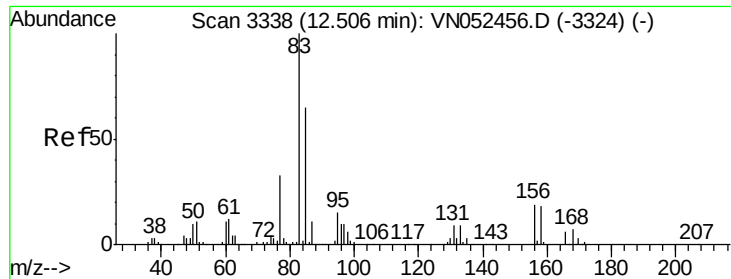
MMDadoda
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#70
Isopropylbenzene
Concen: 20.805 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.6





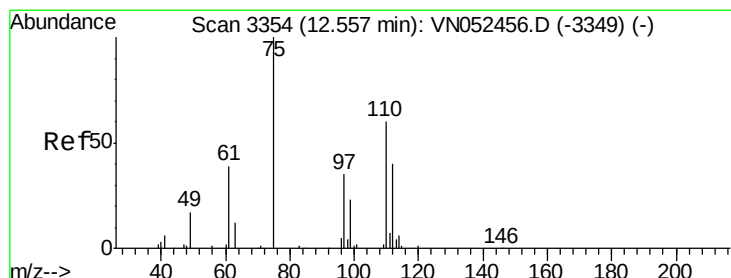
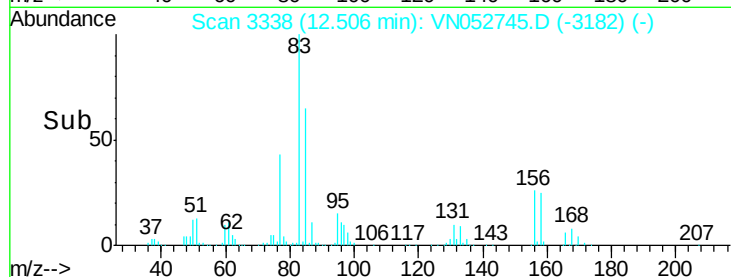
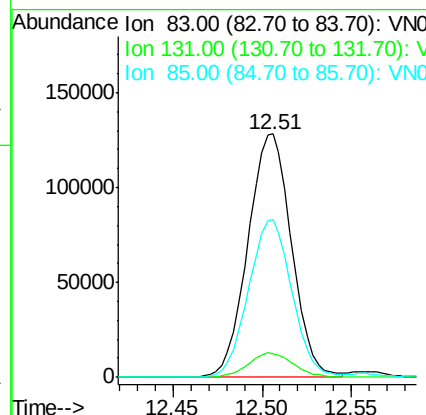
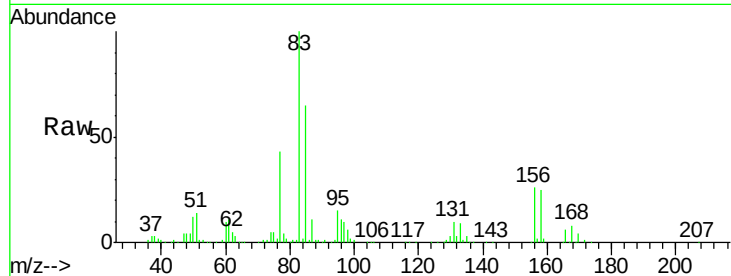
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.975 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	219192		
131	10.3		4.9	14.6
85	64.3		32.2	96.6

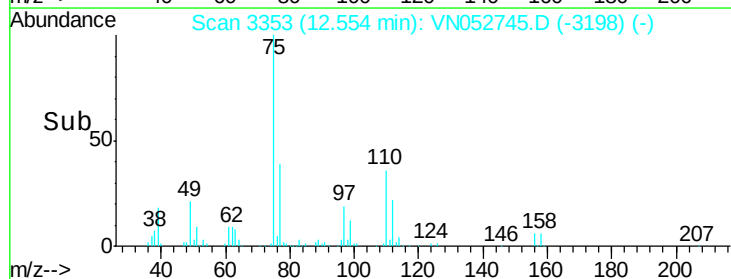
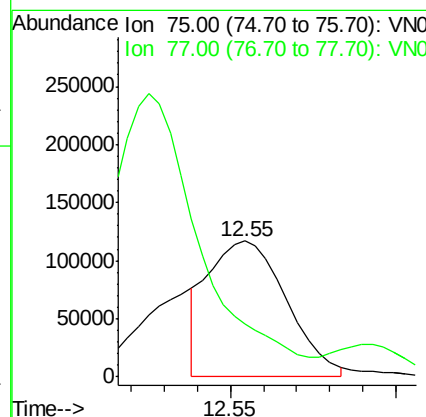
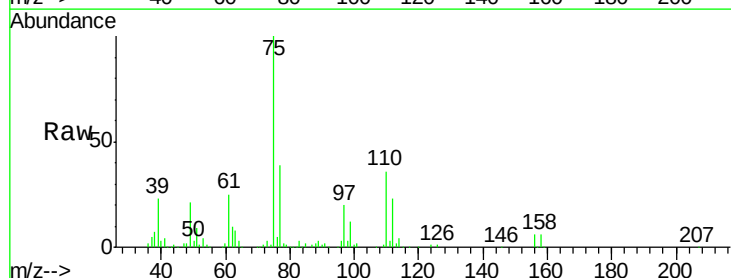
Manual Integrations
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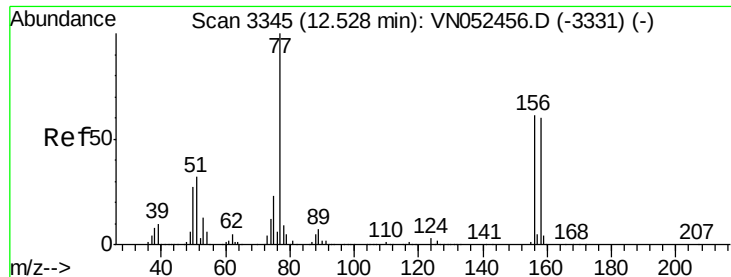
MMDadoda
 12/11/2018 12:45:39 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.377 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191952		
77	245.9		0.0	514.8





#73

Bromobenzene

Concen: 21.833 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

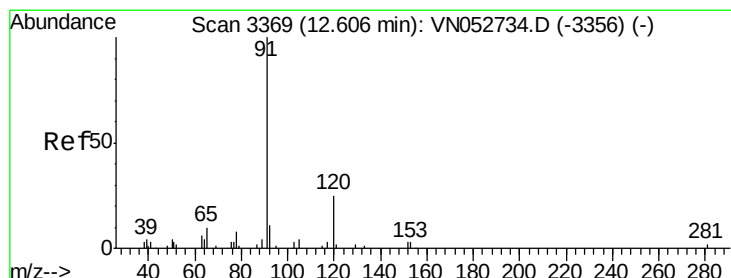
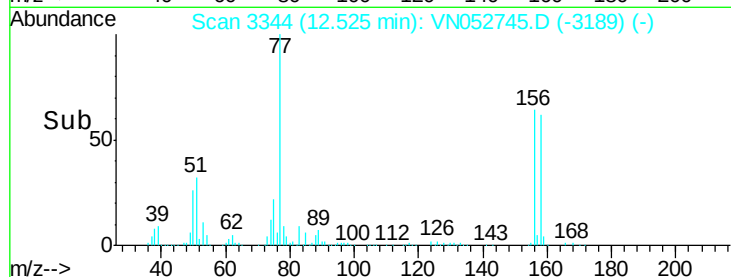
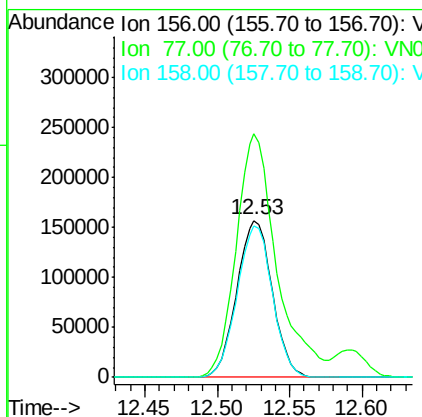
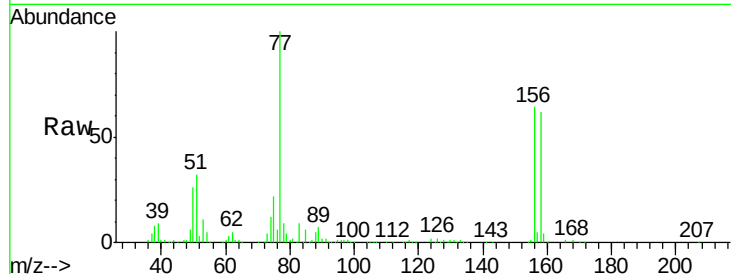
ClientSampleId :

VN1210WBS01

Tot Ion:	156	Resp:	266378
Ion Ratio	Lower	Upper	
156	100		
77	177.2	0.0	382.6
158	96.4	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 20.755 ug/l

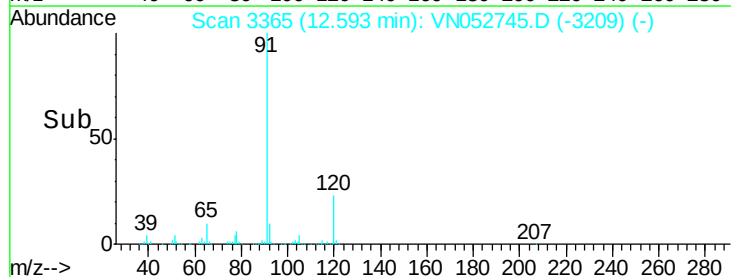
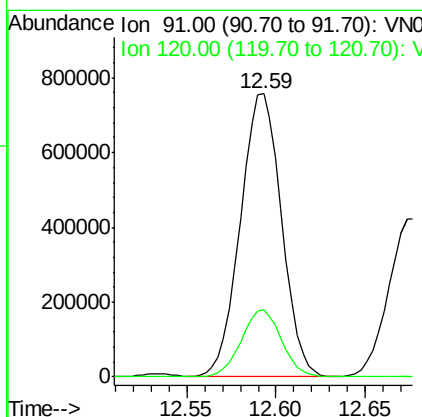
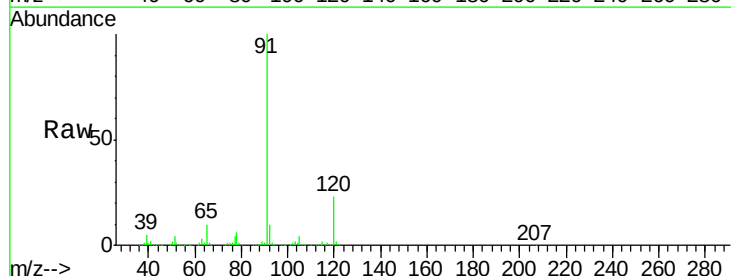
RT: 12.59 min Scan# 3365

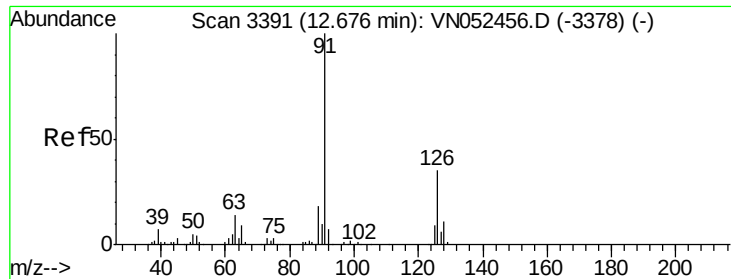
Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	91	Resp:	1219925
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.851 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 91 Resp: 711364

Ion Ratio Lower Upper

91 100

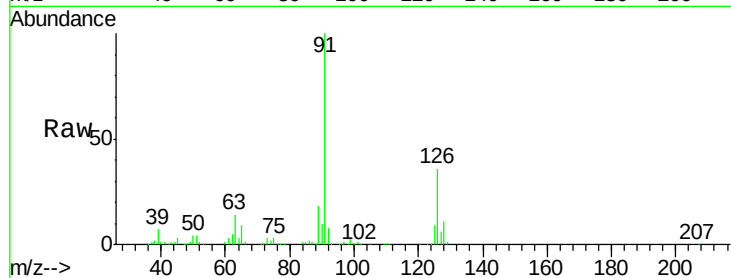
126 35.1 0.0 68.4

Manual Integrations

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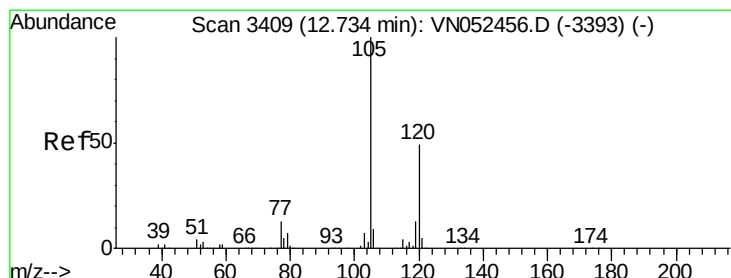
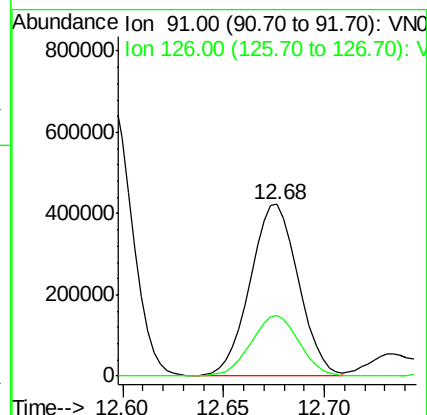
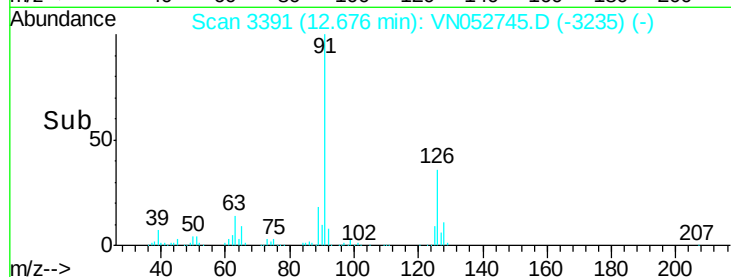
MMDadoda

12/11/2018 12:45:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052745.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN052745.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.068 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052745.D

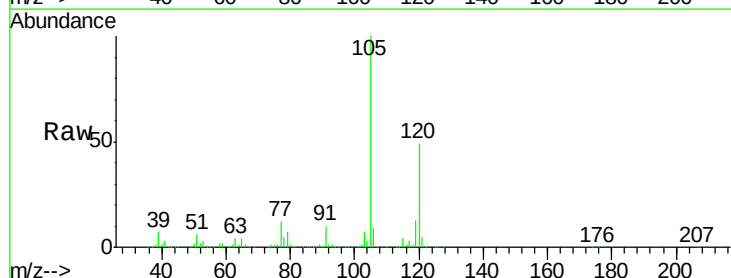
Acq: 10 Dec 2018 11:37

Tgt Ion: 105 Resp: 858407

Ion Ratio Lower Upper

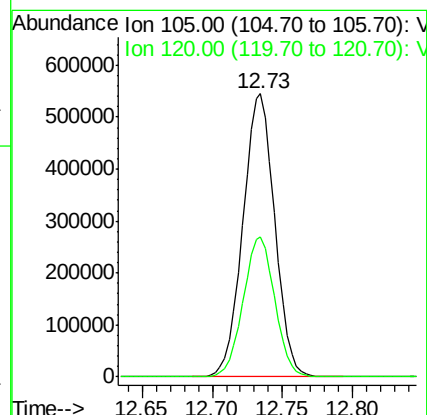
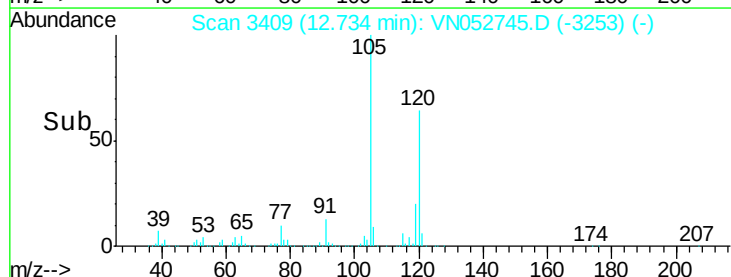
105 100

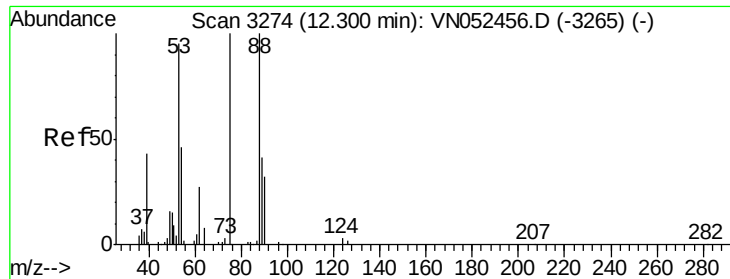
120 49.2 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052745.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN052745.D (-3253) (-)





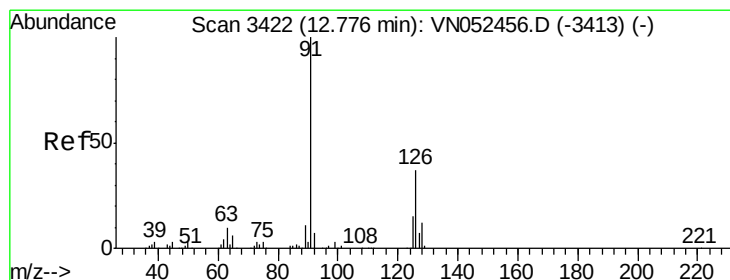
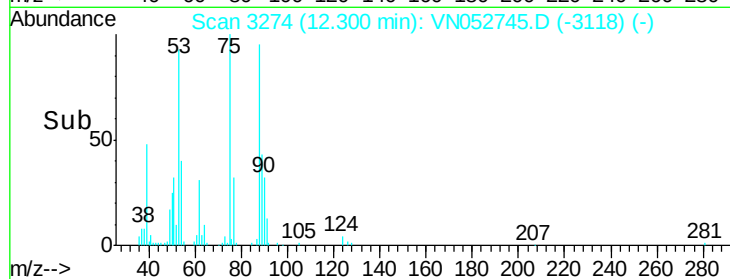
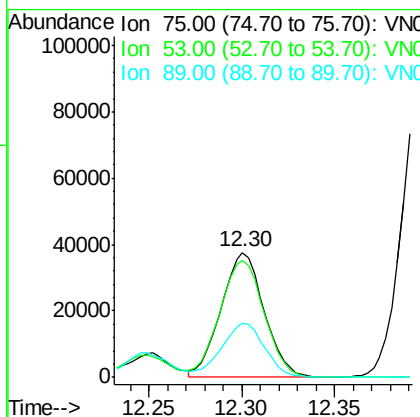
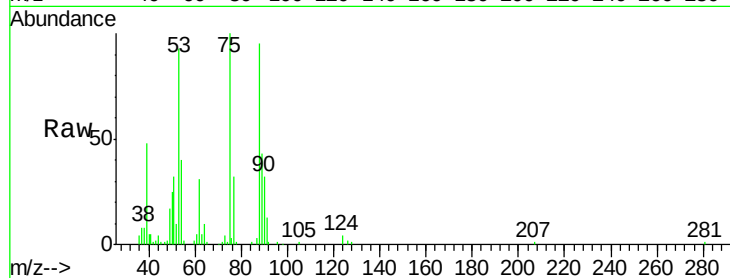
#77
t-1,4-Dichloro-2-butene
Concen: 20.345 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	48.5	145.6
89	43.2	21.7	65.1

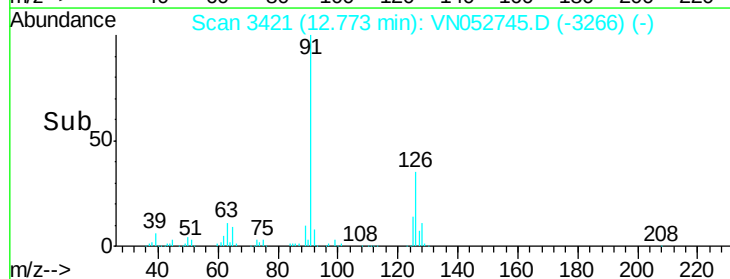
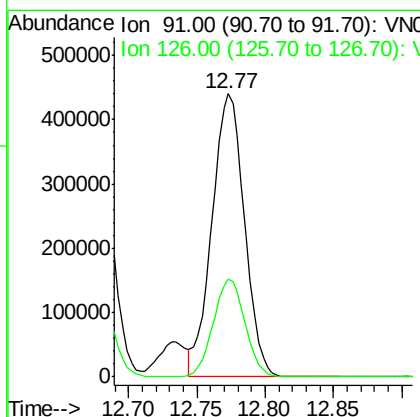
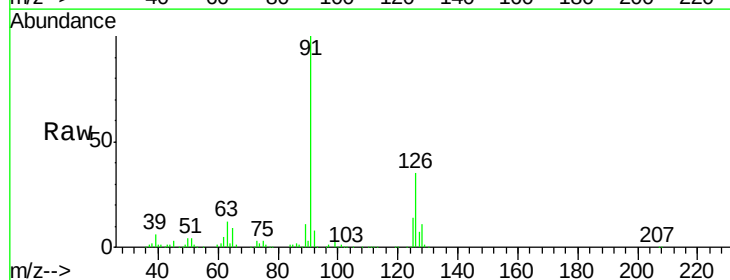
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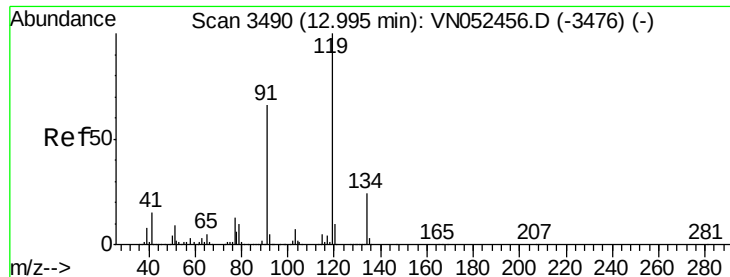
MMDadoda
12/11/2018 12:45:39 PM



#78
4-Chlorotoluene
Concen: 21.330 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052745.D
Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	0.0	68.2





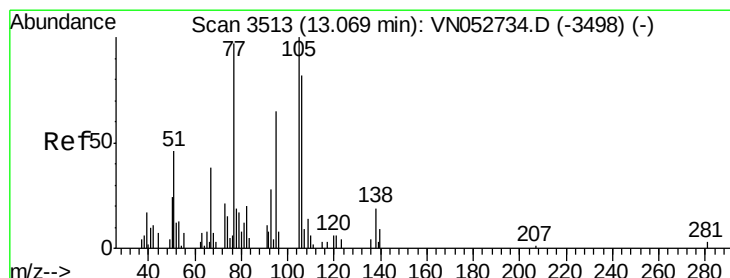
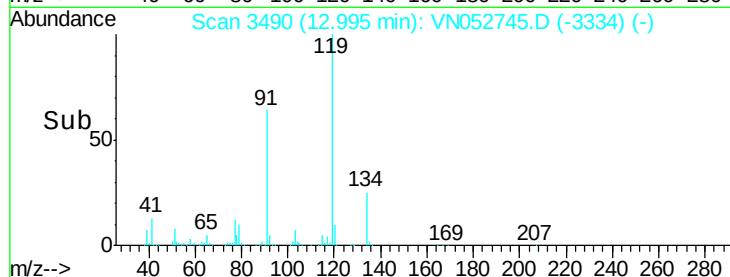
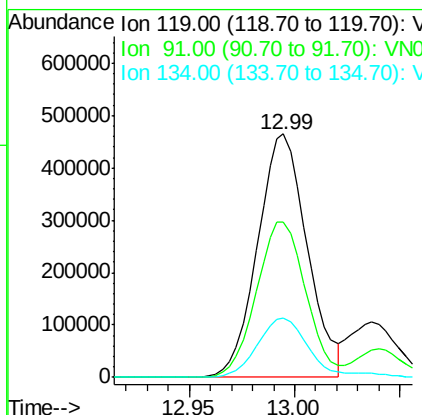
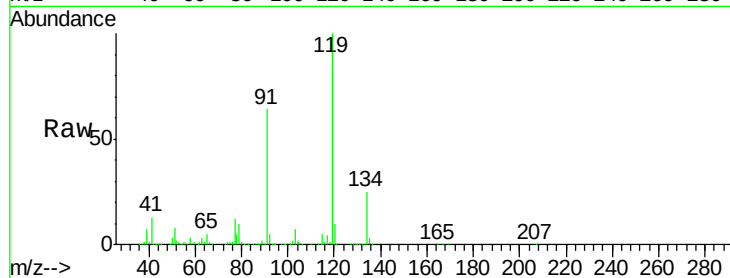
#79
 tert-butylbenzene
 Concen: 21.412 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	759802		
91	64.0	0.0	129.8	
134	24.5	0.0	52.2	

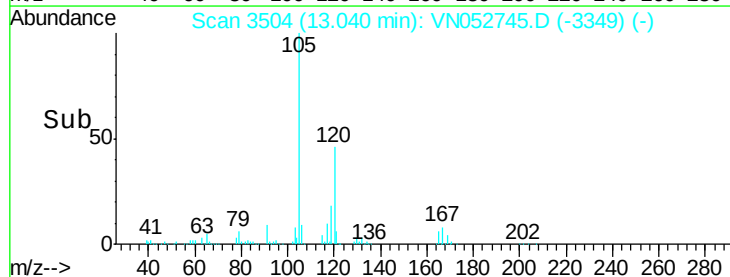
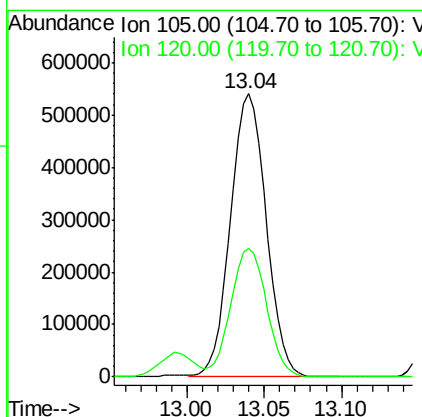
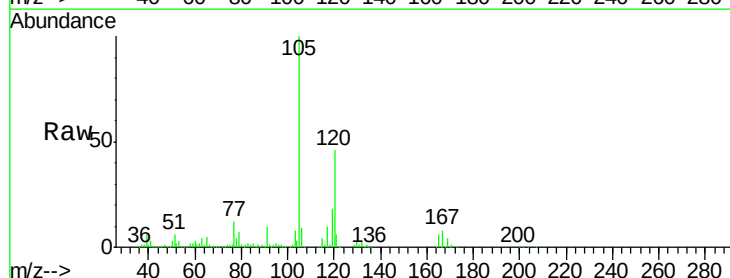
Manual Integrations
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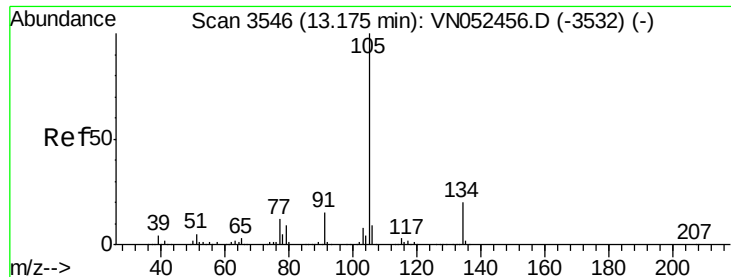
MMDadoda
 12/11/2018 12:45:39 PM



#80
 1,2,4-Trimethylbenzene
 Concen: 21.246 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	866195		
120	45.7	0.0	91.0	





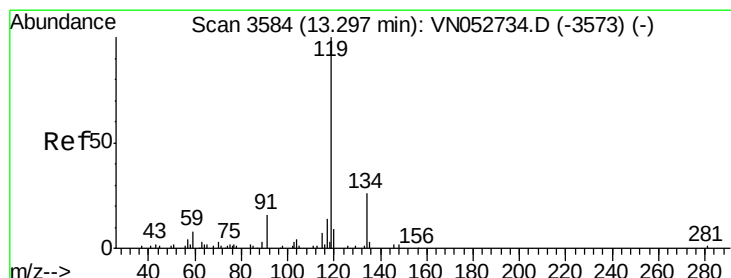
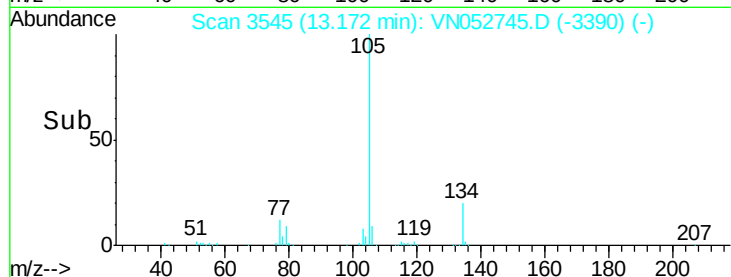
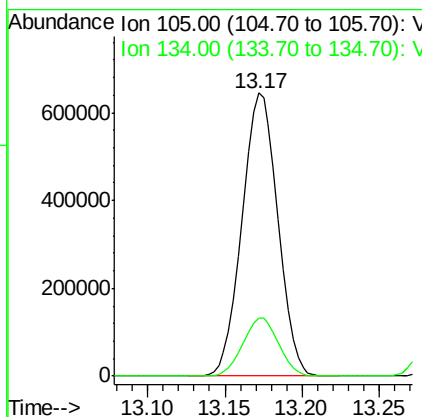
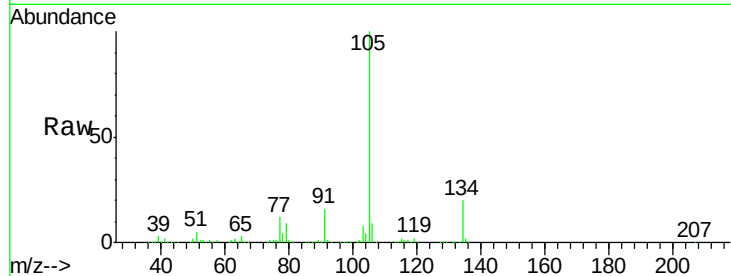
#81
 sec-Butylbenzene
 Concen: 21.007 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion:105 Resp: 1038287
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.4

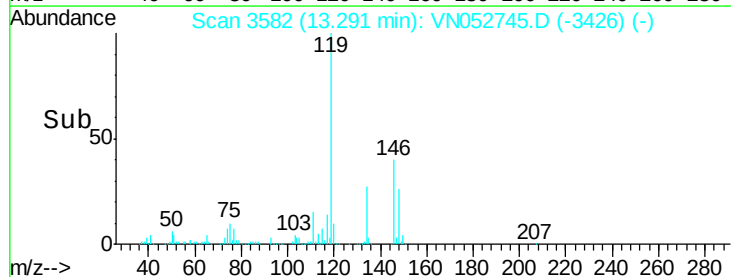
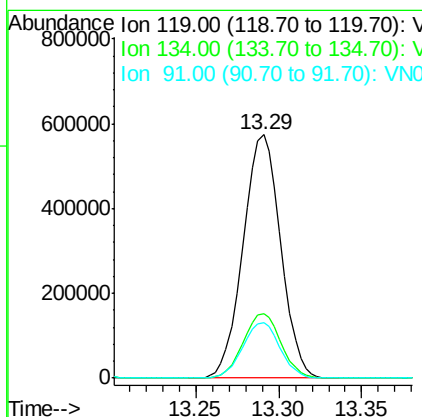
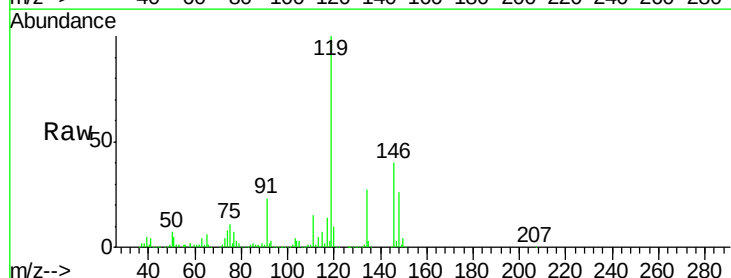
Manual Integrations
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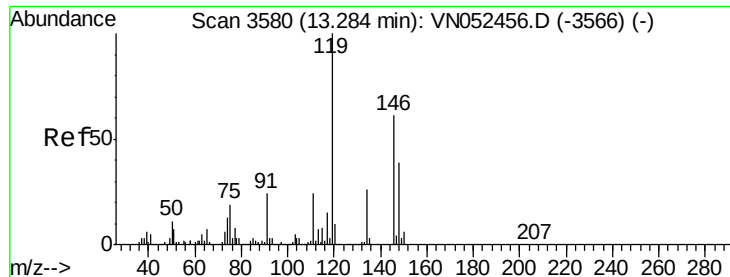
MMDadoda
 12/11/2018 12:45:39 PM



#82
 p-Isopropyltoluene
 Concen: 21.426 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion:119 Resp: 901725
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 22.7 0.0 46.2





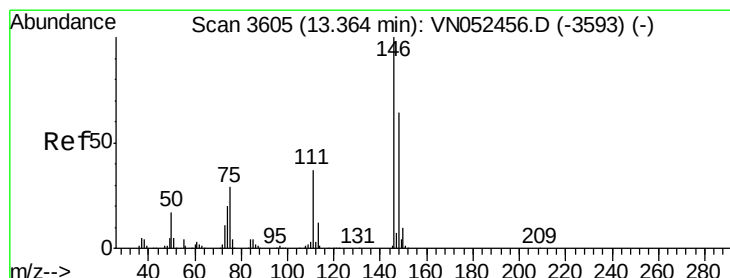
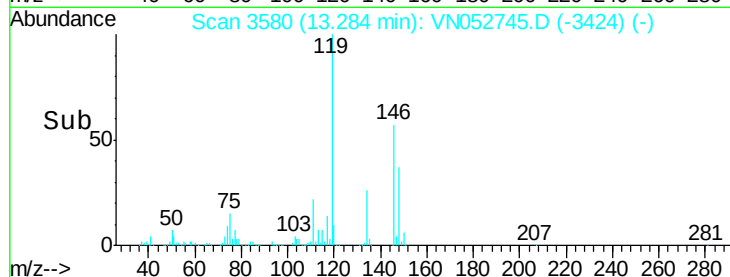
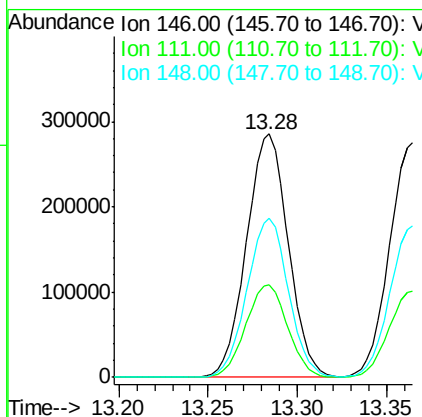
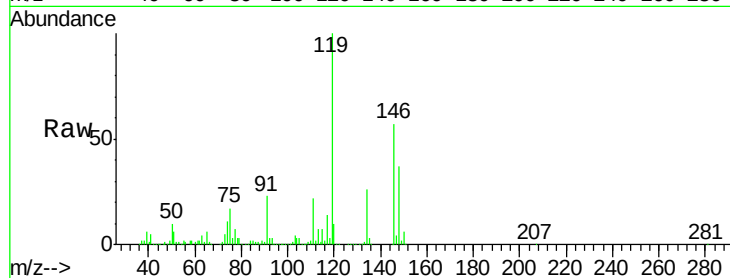
#83
 1,3-Dichlorobenzene
 Concen: 21.774 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.7	32.3	96.8

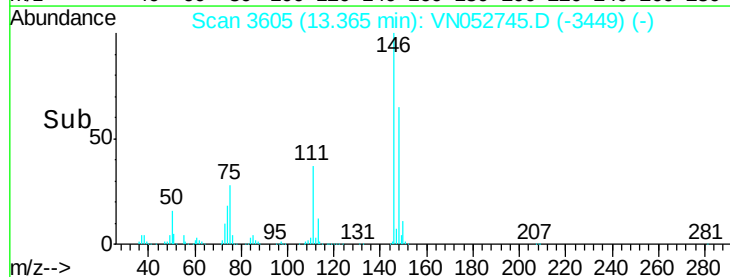
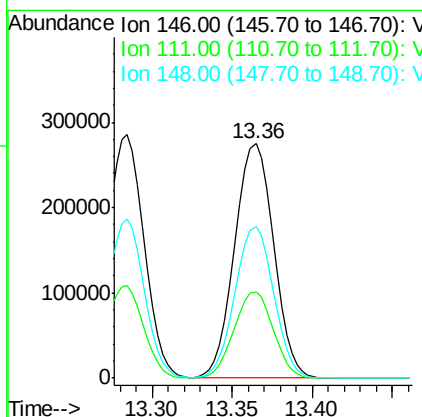
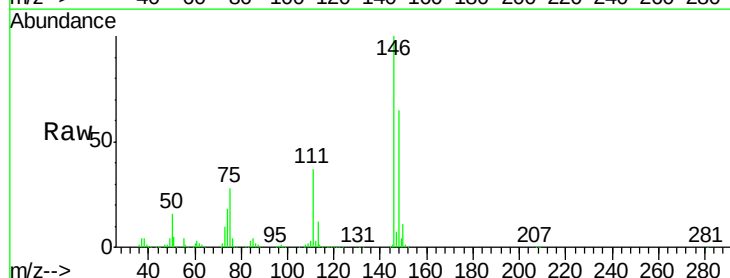
Manual Integrations
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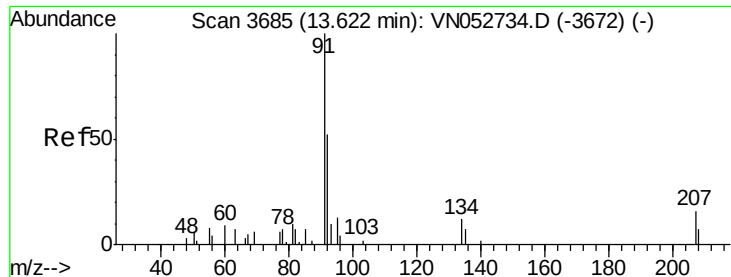
MMDadoda
 12/11/2018 12:45:39 PM



#84
 1,4-Dichlorobenzene
 Concen: 22.108 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	63.9	32.5	97.4





#85

n-Butylbenzene

Concen: 21.149 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

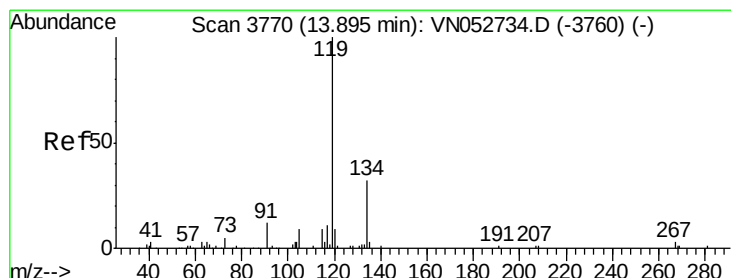
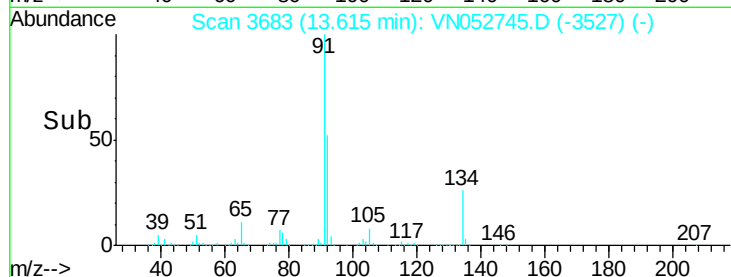
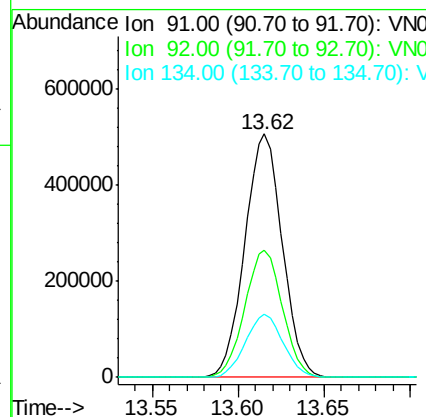
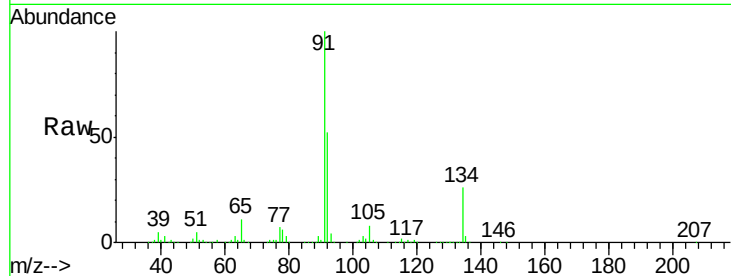
ClientSampleId :

VN1210WBS01

Tot Ion:	91	Resp:	764573
Ion Ratio	Lower	Upper	
91	100		
92	52.4	0.0	104.2
134	26.0	0.0	50.6

Manual Integrations
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12/11/2018 12:45:39 PM



#86

Hexachloroethane

Concen: 20.052 ug/l

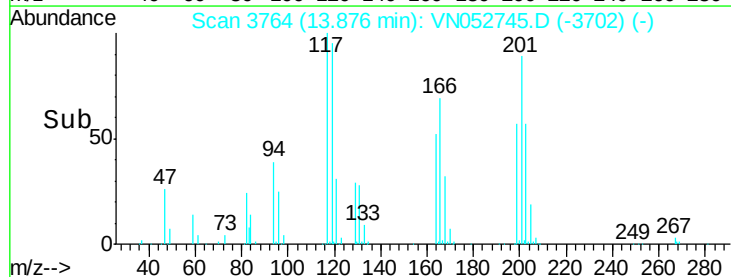
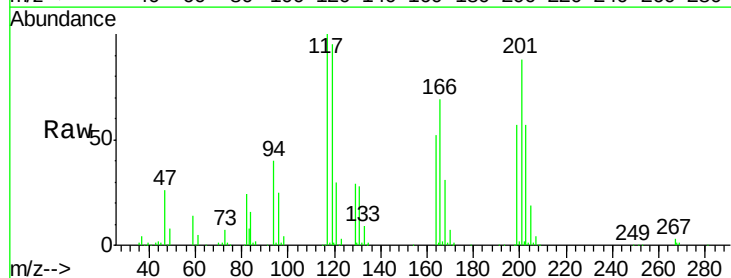
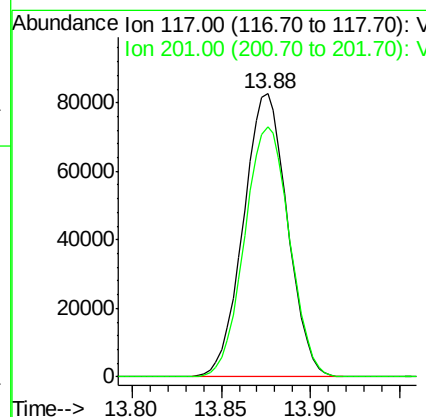
RT: 13.88 min Scan# 3764

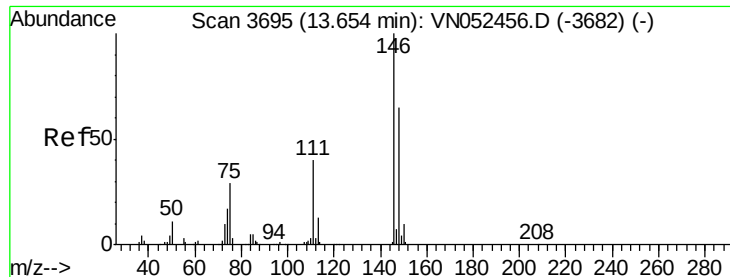
Delta R.T. 0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	117	Resp:	142986
Ion Ratio	Lower	Upper	
117	100		
201	90.2	43.8	131.3





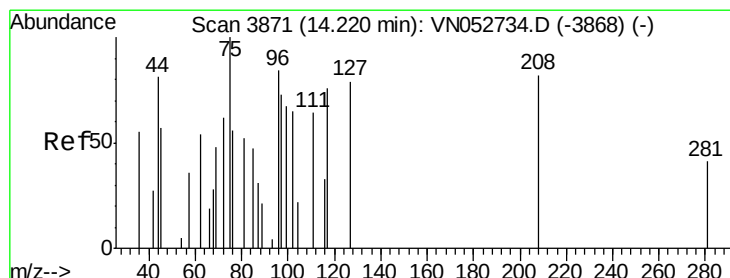
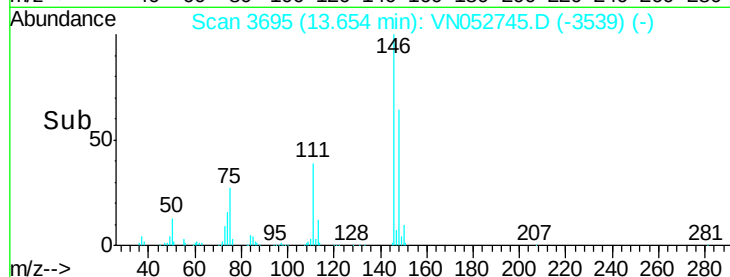
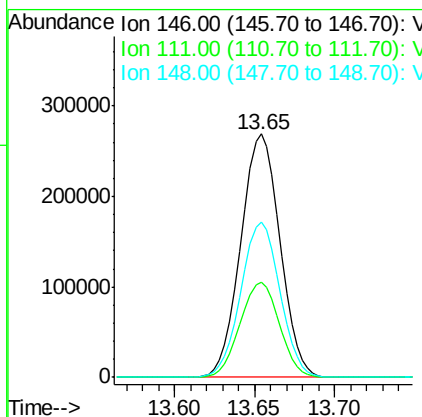
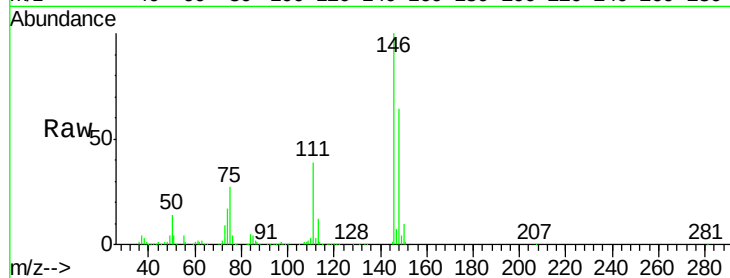
#87
 1,2-Dichlorobenzene
 Concen: 22.025 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	63.7	32.1	96.5

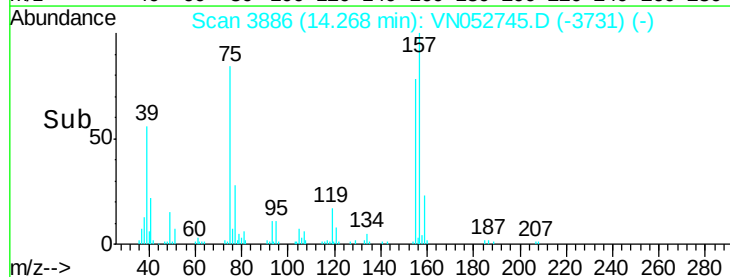
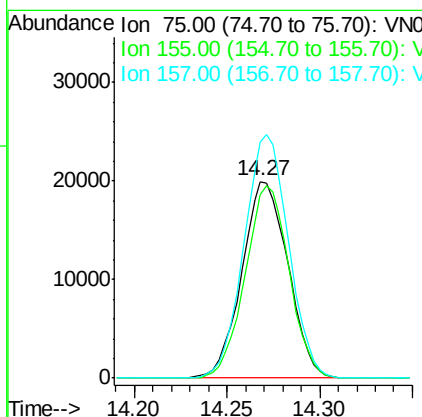
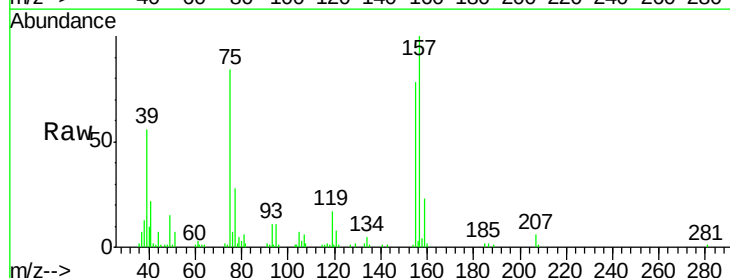
Manual Integrations
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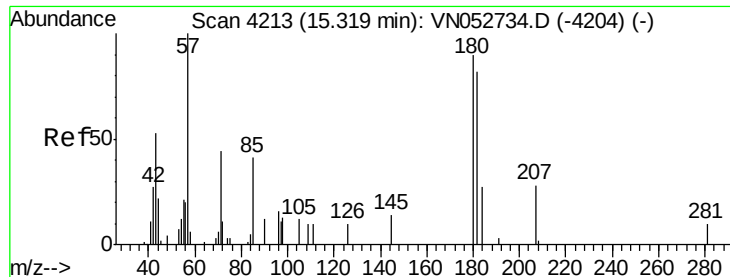
MMDadoda
 12/11/2018 12:45:39 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.391 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	72.2	108.2
157	119.4	94.2	141.2





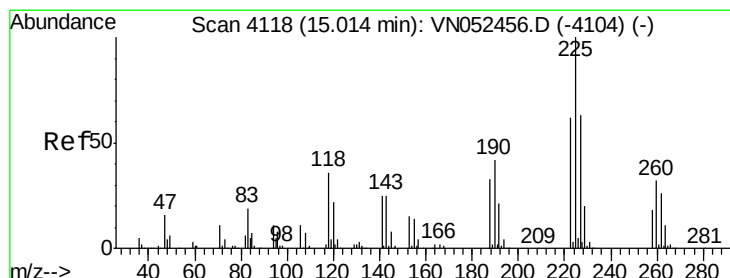
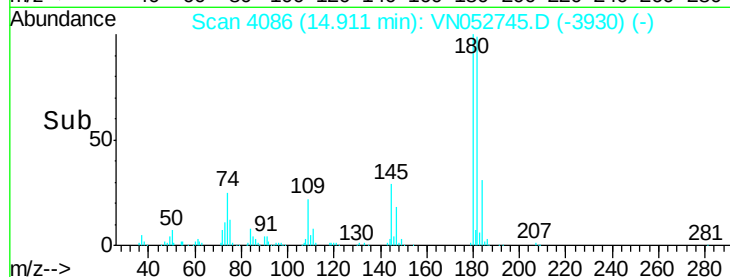
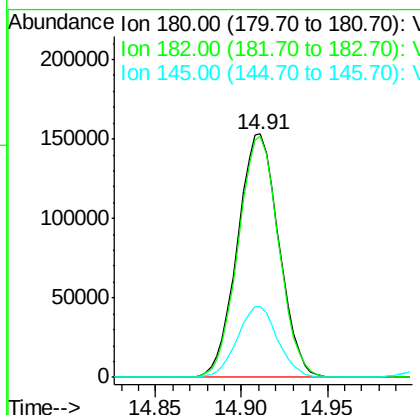
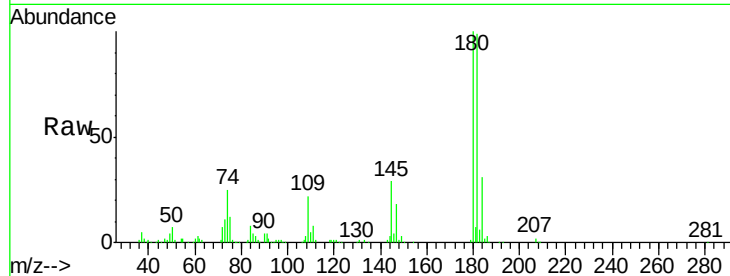
#89
 1,2,4-Trichlorobenzene
 Concen: 25.478 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.6	114.8
145	28.5	23.6	35.4

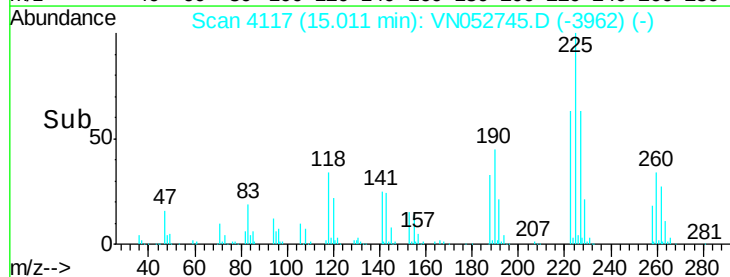
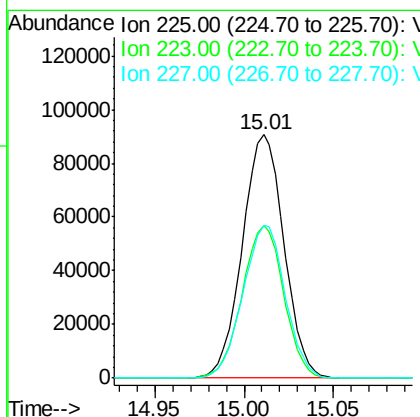
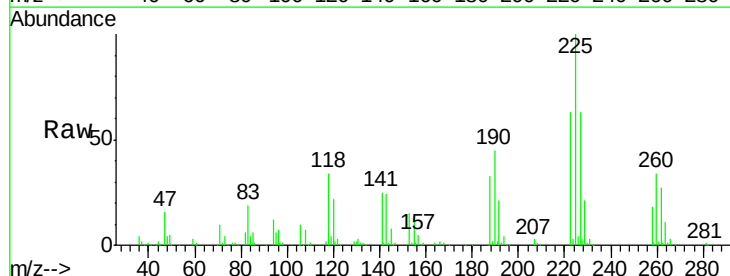
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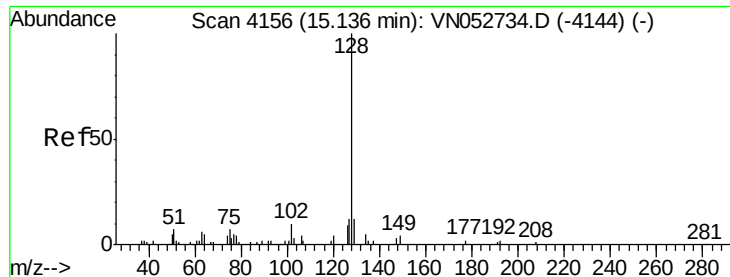
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 12/11/2018 12:45:39 PM



#90
 Hexachlorobutadiene
 Concen: 22.376 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052745.D
 Acq: 10 Dec 2018 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	0.0	125.6
227	63.8	0.0	127.8





#91

Naphthalene

Concen: 25.863 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Instrument :

MSVOA_N

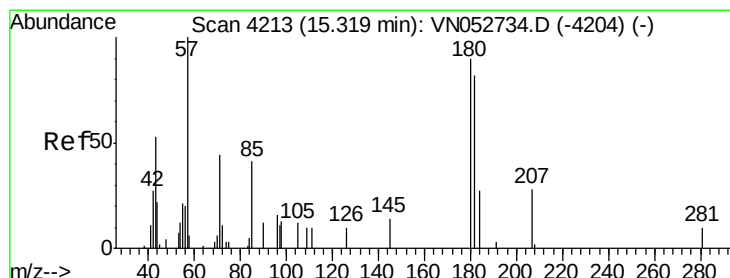
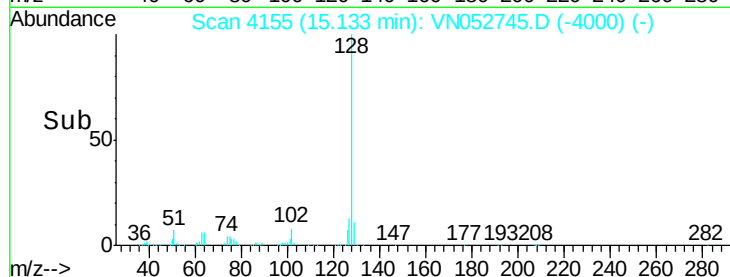
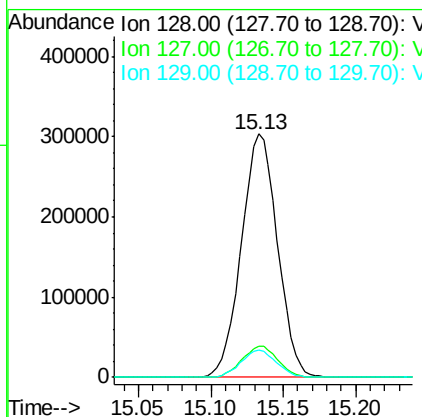
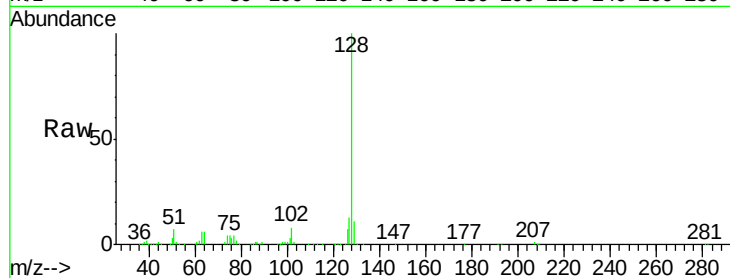
ClientSampleId :

VN1210WBS01

Tot Ion:	128	Resp:	525435
Ion Ratio	Lower	Upper	
128	100		
127	12.8	9.9	14.9
129	11.1	8.5	12.7

Manual Integrations
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12/11/2018 12:45:39 PM



#92

1,2,3-Trichlorobenzene

Concen: 25.862 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052745.D

Acq: 10 Dec 2018 11:37

Tgt Ion:	180	Resp:	239773
Ion Ratio	Lower	Upper	
180	100		
182	95.6	0.0	196.2
145	29.8	0.0	62.2

