

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052633.D
 Acq On : 3 Dec 2018 16:02
 Operator : MD\SY
 Sample : VN1203WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:56:58 PM

Quant Time: Dec 04 00:47:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162276	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	932782	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	813915	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325710	29.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.20%
60) 4-Bromofluorobenzene	12.40	95	368094	29.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.60%
63) Toluene-d8	10.09	98	1113109	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	175300	18.967	ug/l 99
3) Chloromethane	2.06	50	227853	18.589	ug/l 97
4) Vinyl Chloride	2.19	62	236333	19.104	ug/l 96
5) Bromomethane	2.58	94	143918	20.403	ug/l 94
6) Chloroethane	2.71	64	142113	19.317	ug/l 99
7) Trichlorofluoromethane	3.02	101	303525	19.880	ug/l 100
8) Diethyl Ether	3.41	74	114482	20.307	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186257	19.244	ug/l 95
10) 1,1-Dichloroethene	3.74	96	181880	19.987	ug/l 97
11) Methyl Iodide	3.96	142	268245	21.231	ug/l 100
12) Methyl Acetate	4.33	43	164146	21.229	ug/l 97
13) Acrolein	3.61	56	74923	82.492	ug/l 98
14) Acrylonitrile	4.99	53	343791	104.354	ug/l 97
15) Acetone	3.82	58	85729	100.480	ug/l 98
16) Carbon Disulfide	4.06	76	531393	18.444	ug/l 100
17) Allyl chloride	4.33	41	288311	18.167	ug/l 100
18) Methylene Chloride	4.56	84	207003	19.646	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	194311	19.841	ug/l 95
20) Diisopropyl ether	5.95	45	653809	19.604	ug/l 100
21) 1,1-Dichloroethane	5.85	63	373715	19.660	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	223621	19.924	ug/l 99
23) tert-Butyl Alcohol	4.78	59	60329	123.099	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	506738	21.226	ug/l 97
25) Chloroform	7.37	83	372857	20.332	ug/l 99
26) Cyclohexane	7.66	56	338696	18.892	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	285134	20.017	ug/l 99
30) 2-Butanone	6.84	43	397789	104.363	ug/l 99
31) 2,2-Dichloropropane	6.83	77	260138	19.837	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	301505	20.342	ug/l 98
33) Carbon Tetrachloride	7.78	117	262104	20.210	ug/l 98
34) Benzene	8.04	78	854701	19.957	ug/l 99
35) Methacrylonitrile	7.17	41	78010	16.496	ug/l 97
36) 1,2-Dichloroethane	8.13	62	265629	20.468	ug/l 100
37) Trichloroethene	8.84	130	224042	20.630	ug/l 97
38) Methylcyclohexane	9.08	83	334406	18.964	ug/l 97
39) 1,2-Dichloropropane	9.12	63	227830	19.846	ug/l 98
40) Dibromomethane	9.21	93	131327	21.169	ug/l 97

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Instrument :
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Manual Integrations
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 12/4/2018 2:56:58 PM

Quant Time: Dec 04 00:47:51 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)
41) Bromodichloromethane	9.40	83	277058	20.214	ug/l	97
42) Vinyl Acetate	5.90	43	2088454	101.267	ug/l	98
43) Ethyl Acetate	6.93	43	172049	21.228	ug/l #	69
44) Isopropyl Acetate	8.17	43	317721	22.352	ug/l #	80
45) 1,4-Dioxane	9.20	88	37513	482.403	ug/l	94
46) Methyl methacrylate	9.20	41	157791	21.380	ug/l	99
47) n-amyl Acetate	12.07	43	239179	20.294	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	267763	20.148	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	318902	19.696	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	187483	21.320	ug/l	99
51) Ethyl methacrylate	10.43	69	231191	20.933	ug/l	98
52) 1,3-Dichloropropane	10.71	76	320823	20.497	ug/l	99
53) Dibromochloromethane	10.90	129	199625	20.619	ug/l	98
54) 1,2-Dibromoethane	11.01	107	183642	21.371	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	656128	101.490	ug/l	99
56) Bromoform	12.13	173	131831	20.832	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	860504	109.053	ug/l	99
59) 2-Hexanone	10.75	43	565472	104.907	ug/l	99
61) Tetrachloroethene	10.63	164	211046	21.053	ug/l	99
62) Toluene	10.16	91	913194	20.353	ug/l	100
64) Chlorobenzene	11.44	112	559217	20.419	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	198306	20.861	ug/l	99
66) Ethyl Benzene	11.51	91	973394	20.129	ug/l	99
67) m/p-Xylenes	11.62	106	743184	41.251	ug/l	98
68) o-Xylene	11.95	106	360486	20.615	ug/l	99
69) Styrene	11.97	104	575150	20.378	ug/l	99
70) Isopropylbenzene	12.25	105	958006	20.591	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	223435	22.077	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	175791m	20.234	ug/l	
73) Bromobenzene	12.53	156	234864	20.872	ug/l	97
74) n-propylbenzene	12.59	91	1079486	19.913	ug/l	99
75) 2-Chlorotoluene	12.68	91	637594	20.263	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	773574	20.585	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	56475	20.577	ug/l	98
78) 4-Chlorotoluene	12.78	91	630455	20.064	ug/l	99
79) tert-butylbenzene	12.99	119	685718	20.953	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	774061	20.585	ug/l	99
81) sec-Butylbenzene	13.17	105	923861	20.267	ug/l	99
82) p-Isopropyltoluene	13.29	119	785139	20.227	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404311	20.429	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	389093	20.349	ug/l	99
85) n-Butylbenzene	13.62	91	635866	19.071	ug/l	99
86) Hexachloroethane	13.88	117	129629	19.710	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	397636	21.114	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31630	22.311	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	193211	20.823	ug/l	99
90) Hexachlorobutadiene	15.01	225	124190	20.403	ug/l	99
91) Naphthalene	15.14	128	408503	21.802	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	186253	21.782	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Manual Integrations
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QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

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

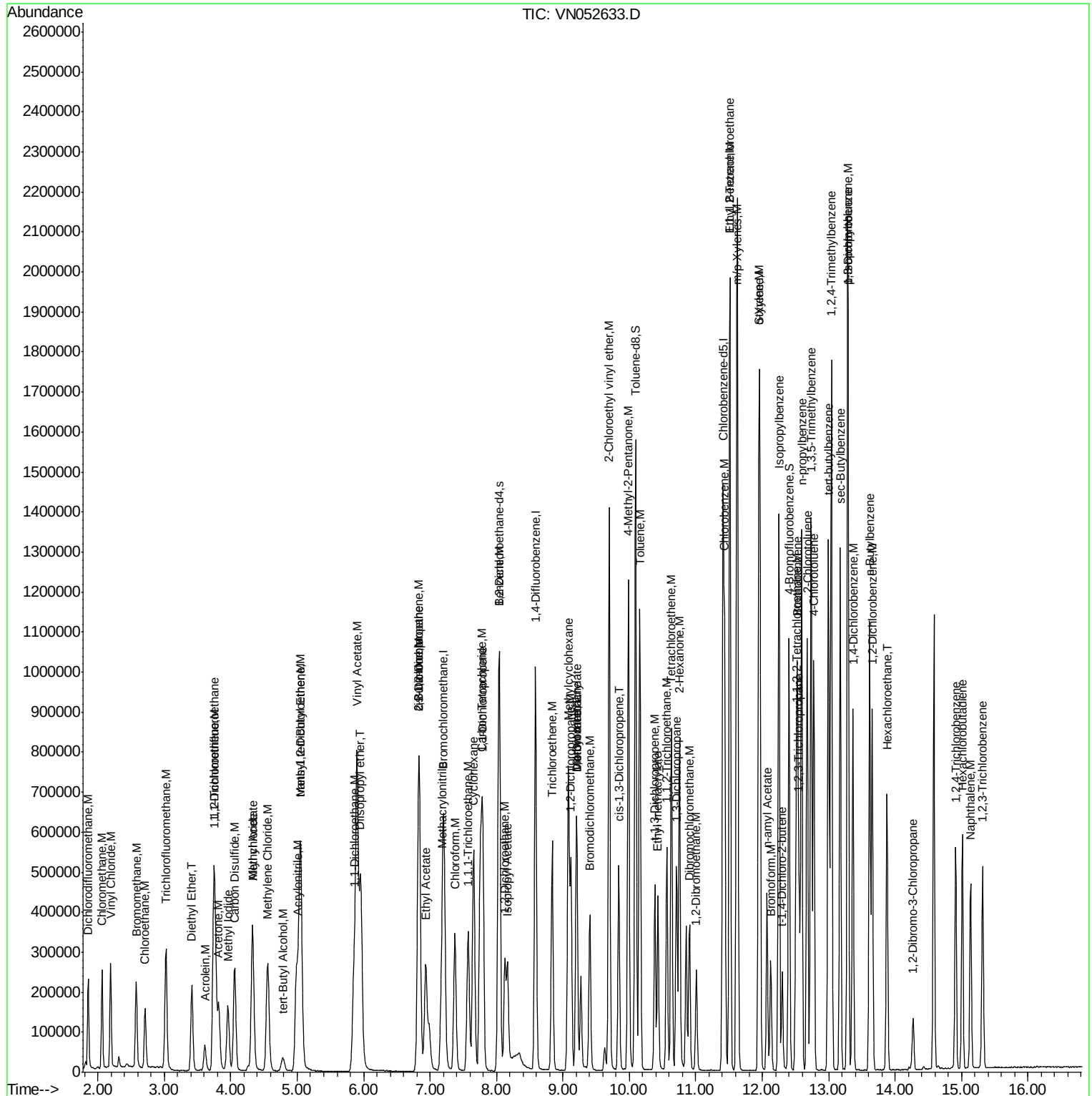
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
Data File : VN052633.D
Acq On : 3 Dec 2018 16:02
Operator : MD\SY
Sample : VN1203WBSD02
Misc : 5.00mL/MSVOA N/WATER
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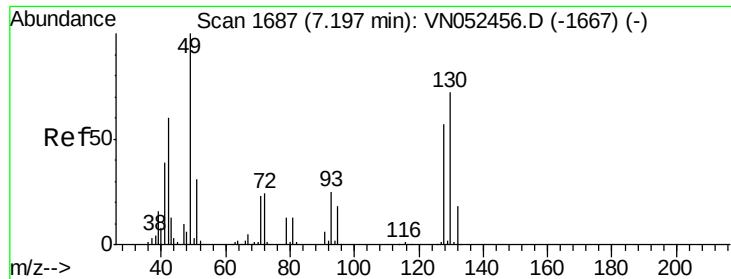
Instrument :
MSVOA_N
ClientSampleId :
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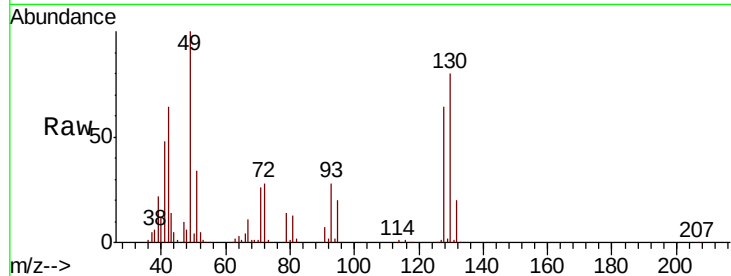
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
49	159.7	0.0	431.8
130	127.7	0.0	317.0

Manual Integrations
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12/4/2018 2:56:58 PM

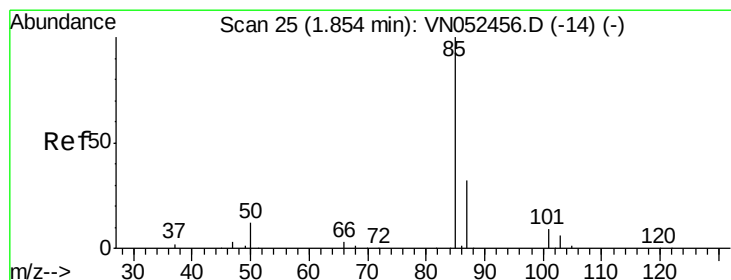
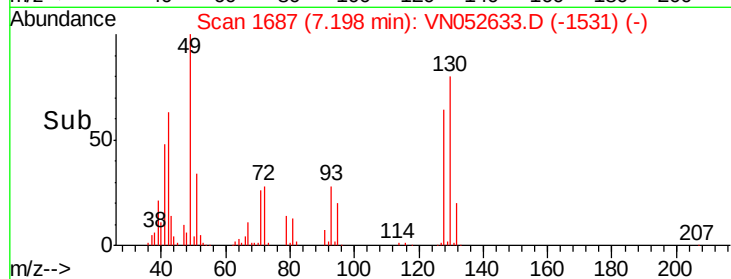
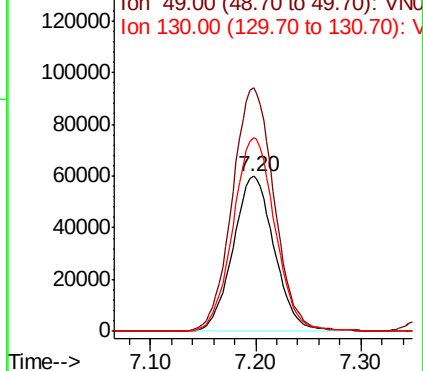


Abundance

Ion 128.00 (127.70 to 128.70): V

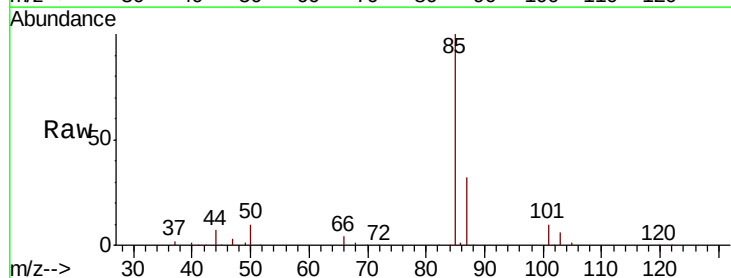
Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2
Dichlorodifluoromethane
Concen: 18.967 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

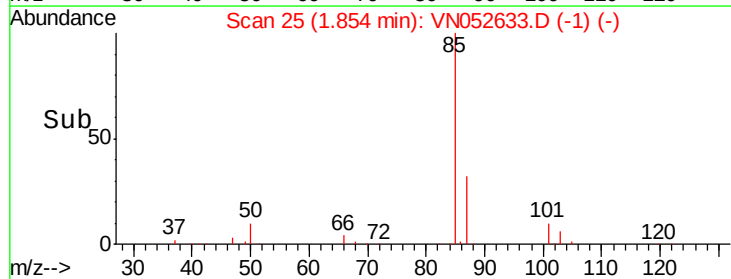
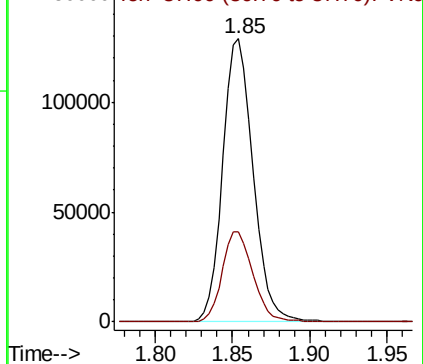
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.1	48.3

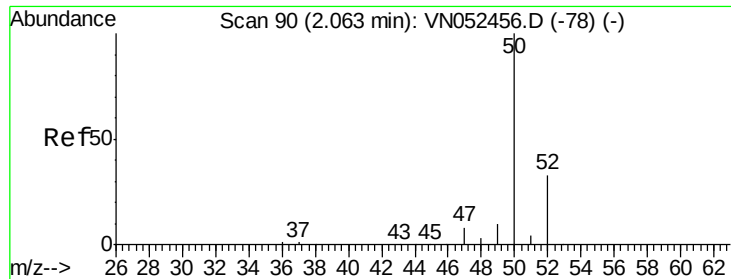


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.589 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion: 50 Resp: 227853

Ion Ratio Lower Upper

50 100

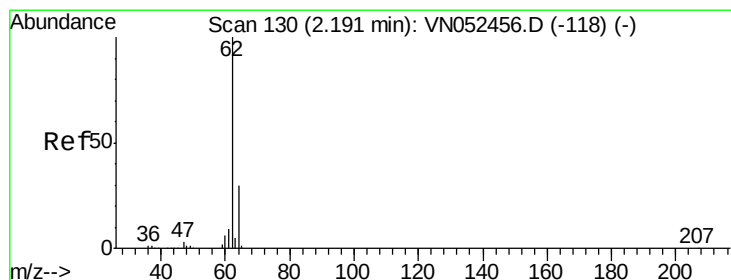
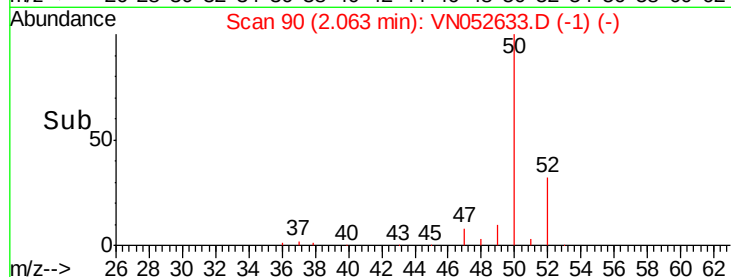
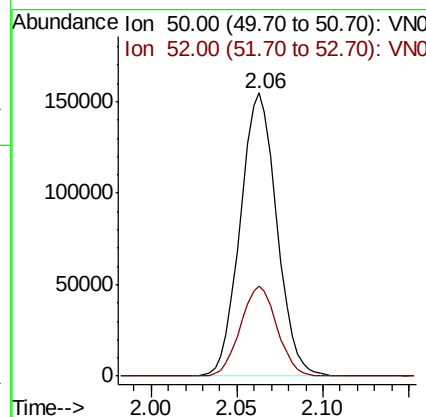
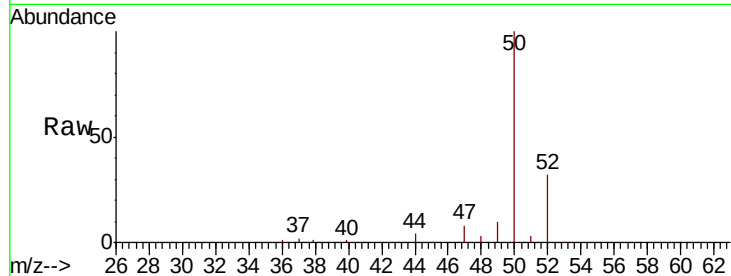
52 31.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.104 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052633.D

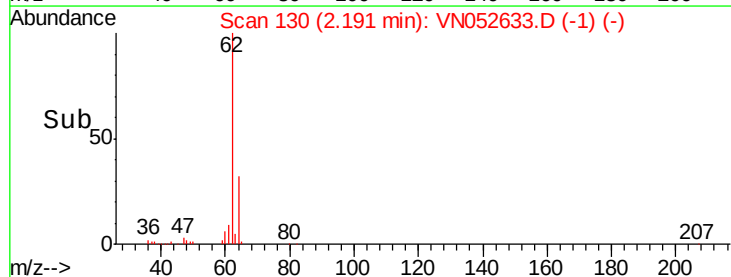
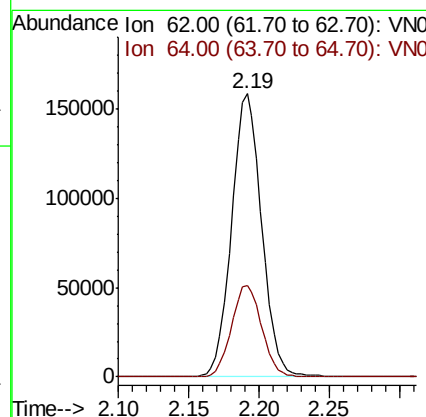
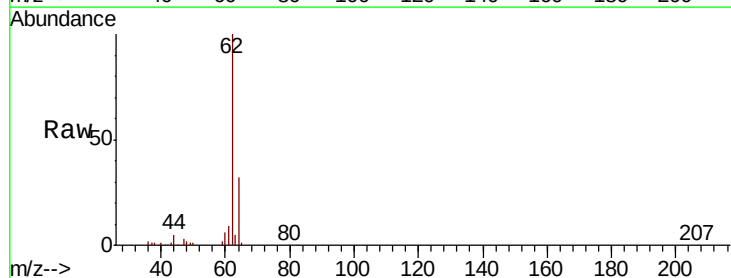
Acq: 3 Dec 2018 16:02

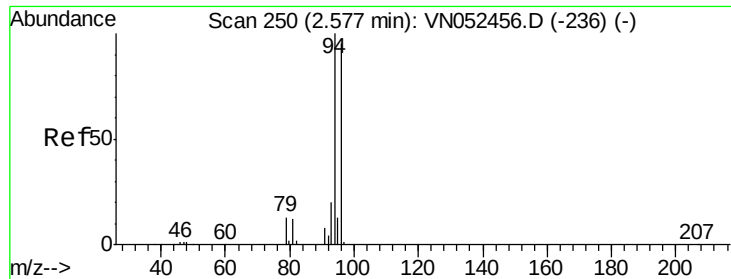
Tgt Ion: 62 Resp: 236333

Ion Ratio Lower Upper

62 100

64 32.5 24.2 36.4





#5

Bromomethane

Concen: 20.403 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion: 94 Resp: 143918

Ion Ratio Lower Upper

94 100

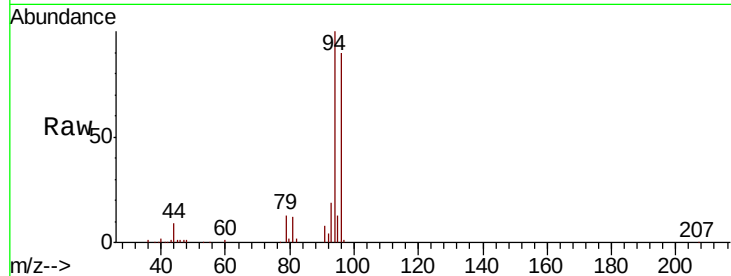
96 89.5 76.2 114.2

Manual Integrations

APPROVED

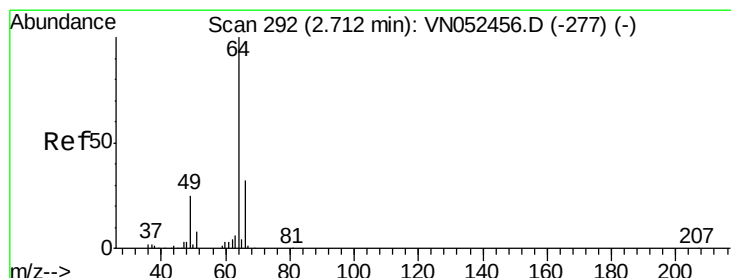
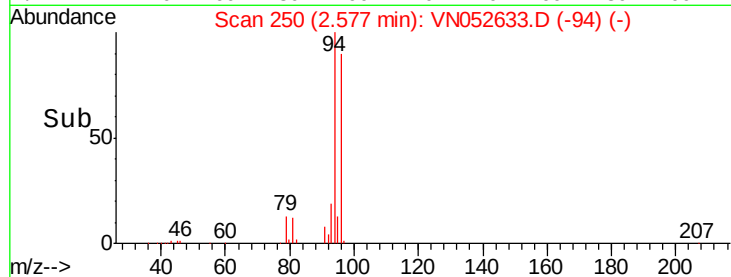
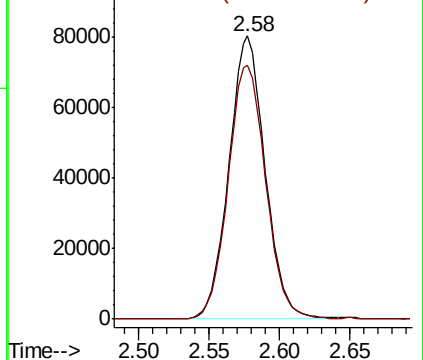
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12/4/2018 2:56:58 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.317 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052633.D

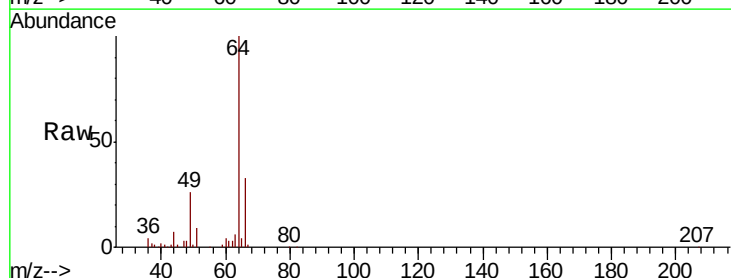
Acq: 3 Dec 2018 16:02

Tgt Ion: 64 Resp: 142113

Ion Ratio Lower Upper

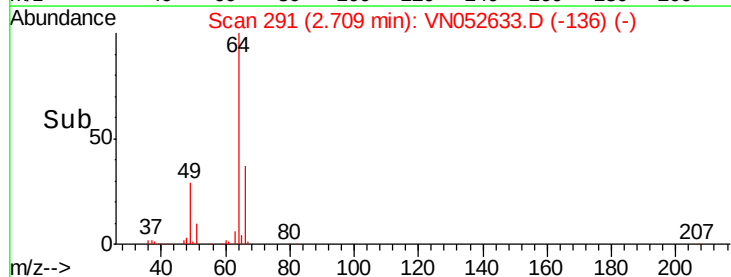
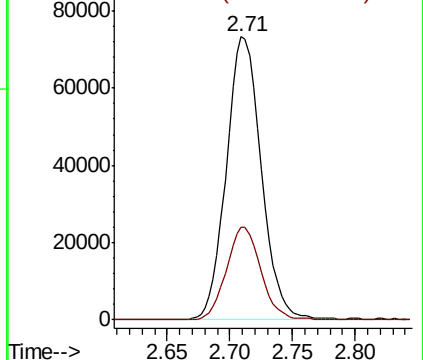
64 100

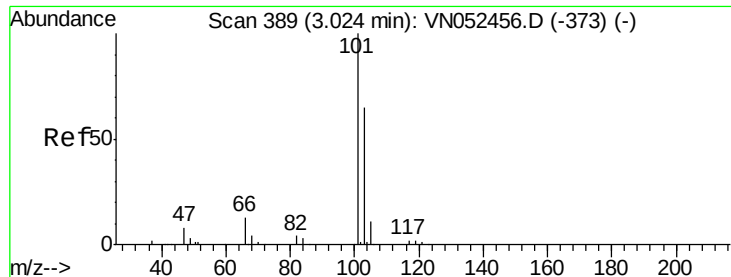
66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

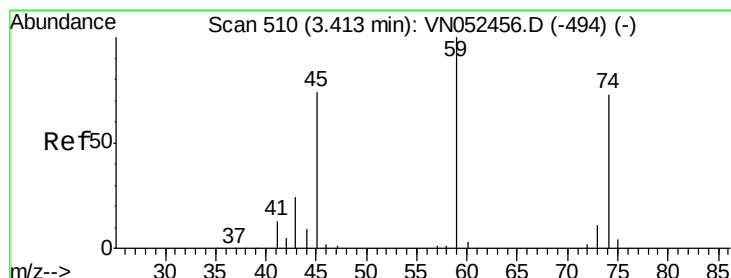
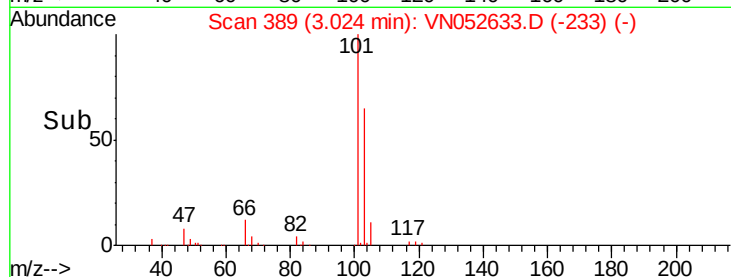
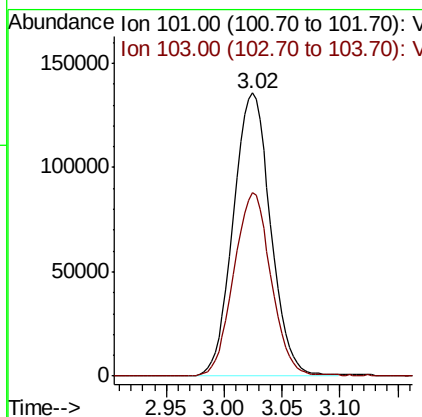
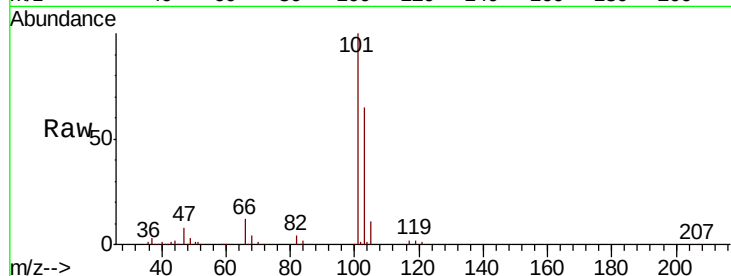
Trichlorofluoromethane
Concen: 19.880 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		303525		
103	64.8	52.1	78.1		

Manual Integrations
APPROVED

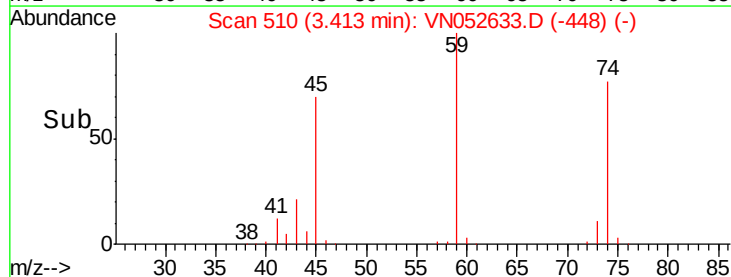
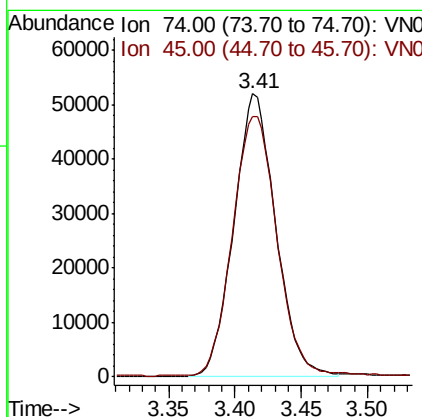
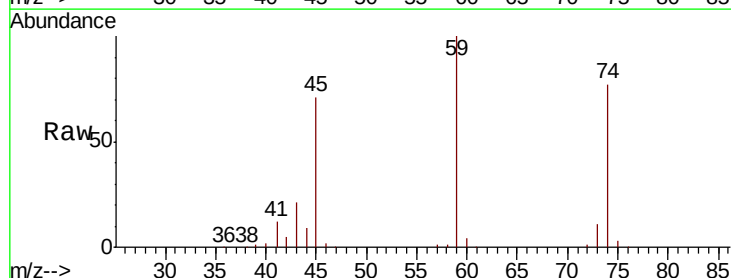
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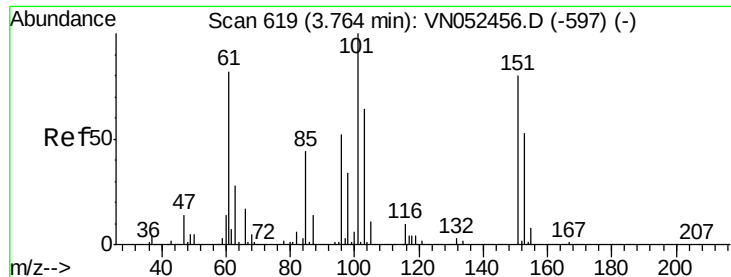


#8

Diethyl Ether
Concen: 20.307 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		114482		
45	96.3	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.244 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

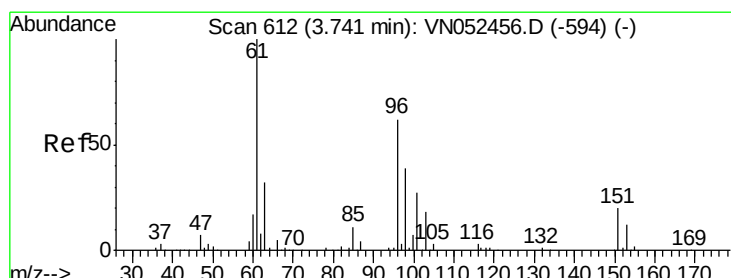
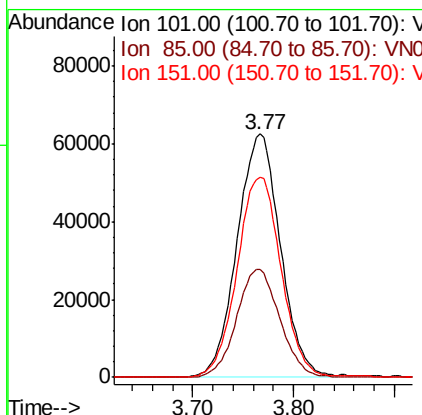
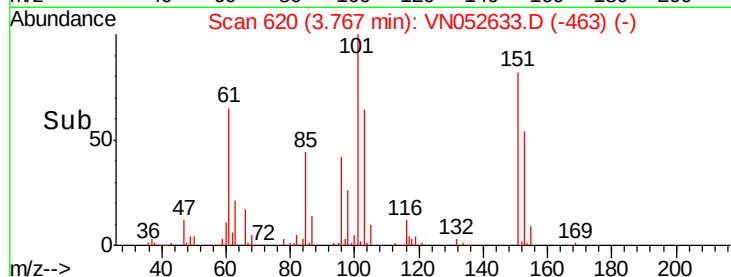
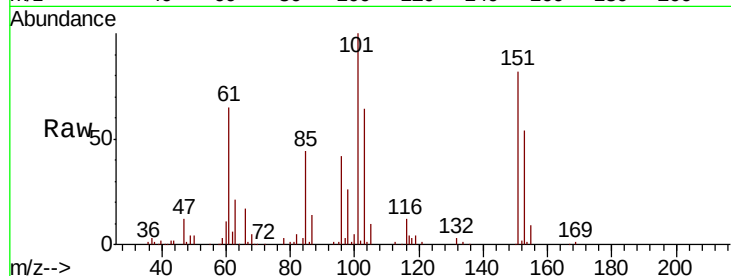
ClientSampleId :

VN1203WBSD02

Tot Ion:	101	Resp:	186257
Ion Ratio	Lower	Upper	
101	100		
85	44.2	0.0	82.6
151	83.6	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.987 ug/l

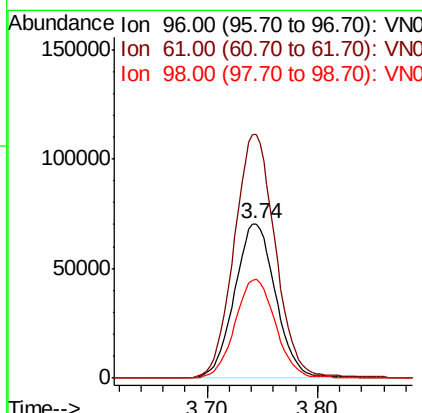
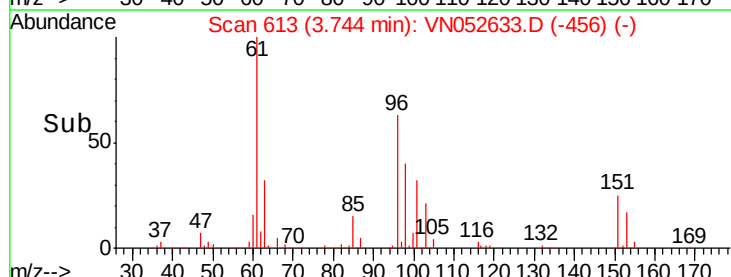
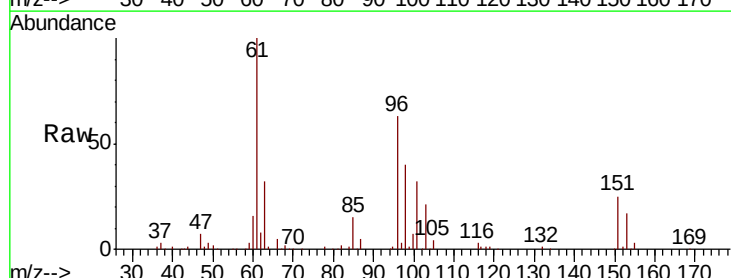
RT: 3.74 min Scan# 613

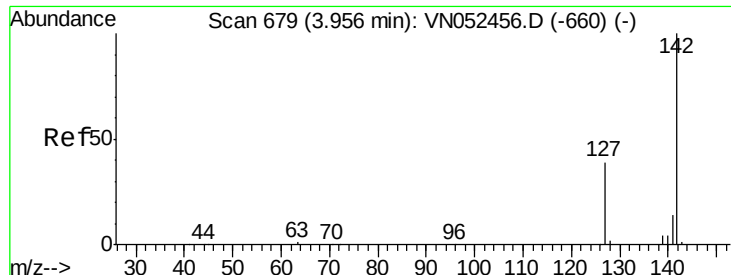
Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	96	Resp:	181880
Ion Ratio	Lower	Upper	
96	100		
61	157.6	129.4	194.2
98	63.7	50.4	75.6





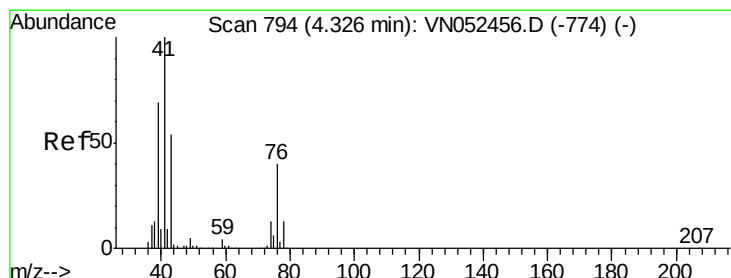
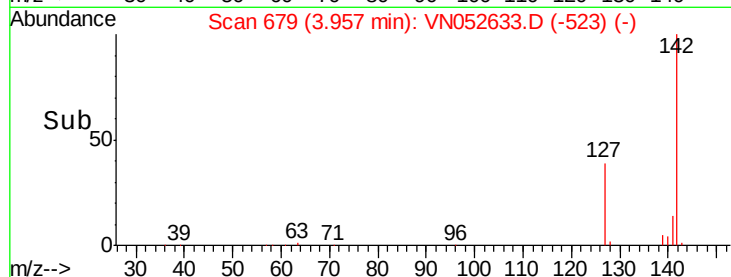
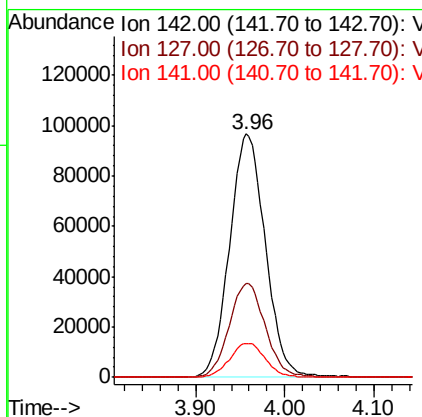
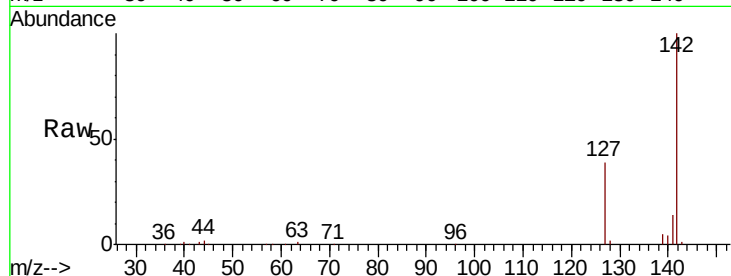
#11
Methvl Iodide
Concen: 21.231 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion:	142	Resp:	268245
Ion Ratio	Lower	Upper	
142	100		
127	38.6	19.4	58.1
141	14.1	7.2	21.6

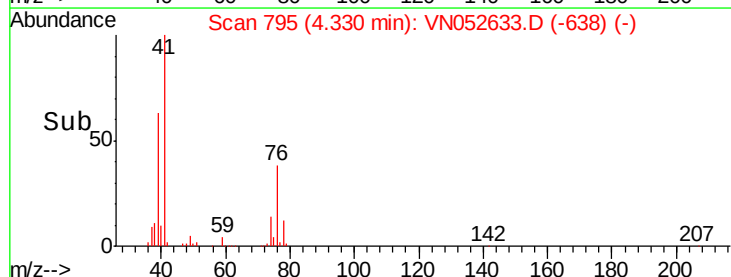
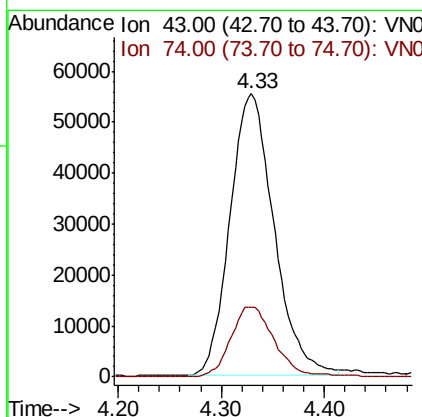
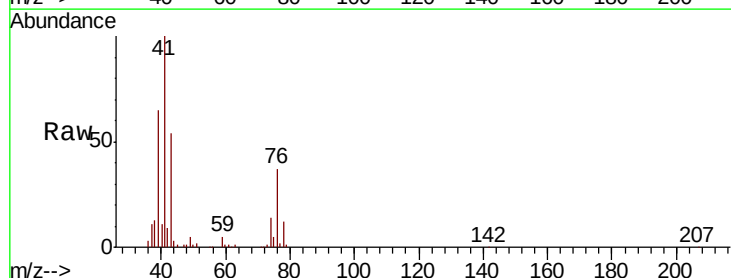
Manual Integrations
APPROVED

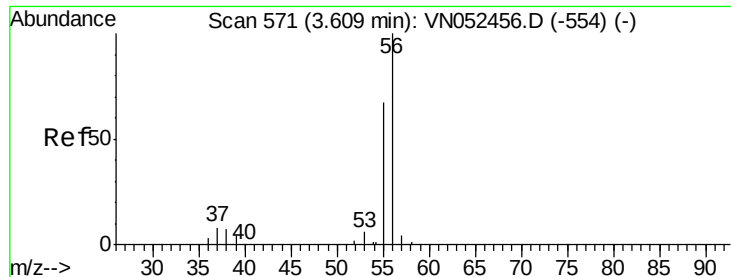
MMDadoda
12/4/2018 2:56:58 PM



#12
Methyl Acetate
Concen: 21.229 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion:	43	Resp:	164146
Ion Ratio	Lower	Upper	
43	100		
74	24.9	18.9	28.3





#13

Acrolein

Concen: 82.492 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion: 56 Resp: 74923

Ion Ratio Lower Upper

56 100

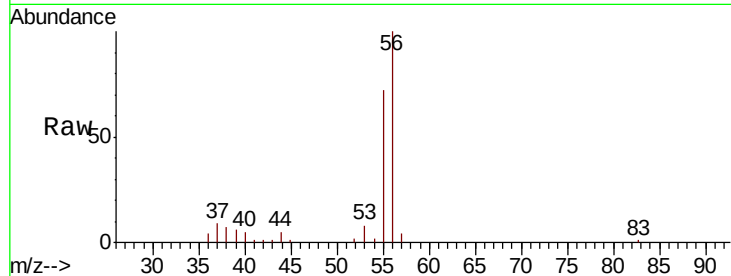
55 72.2 56.7 85.1

Manual Integrations

APPROVED

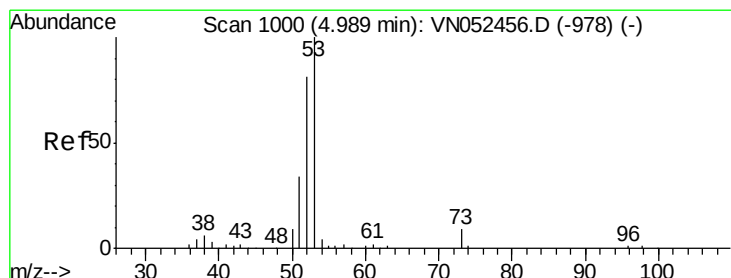
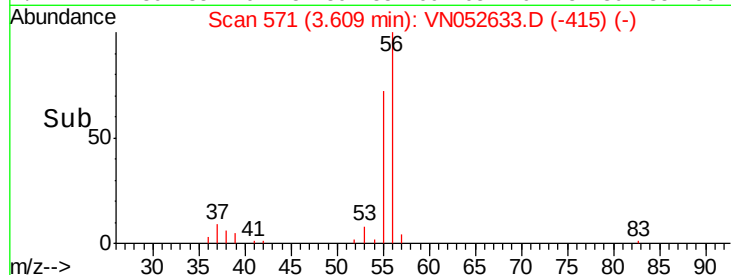
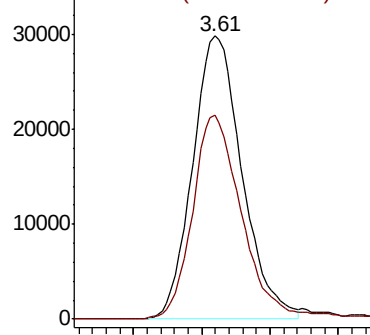
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.354 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

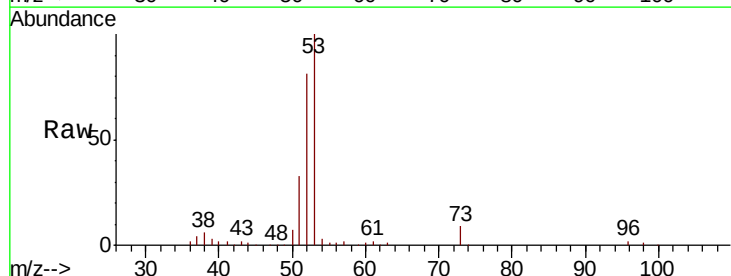
Tgt Ion: 53 Resp: 343791

Ion Ratio Lower Upper

53 100

52 82.7 39.9 119.7

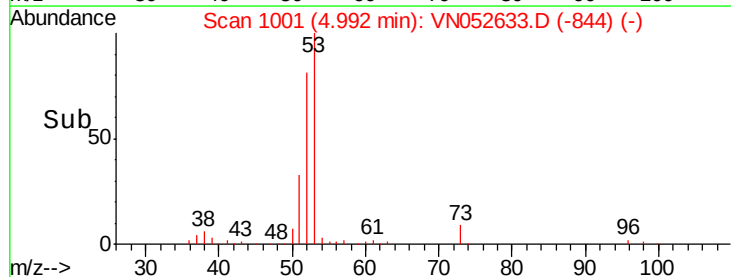
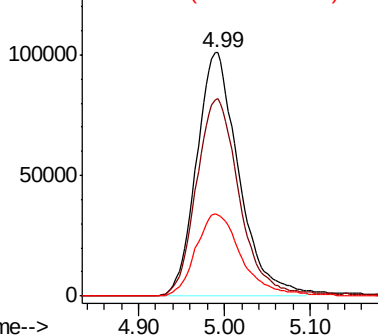
51 36.5 17.6 52.9

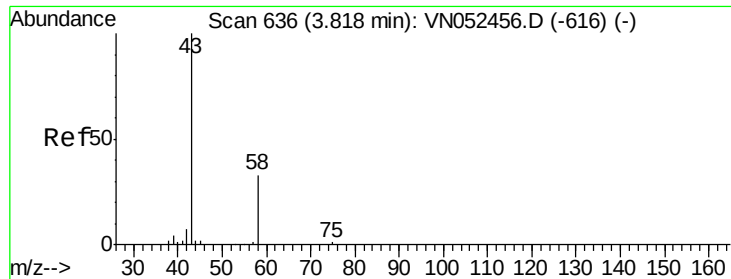


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 100.480 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion: 58 Resp: 85729

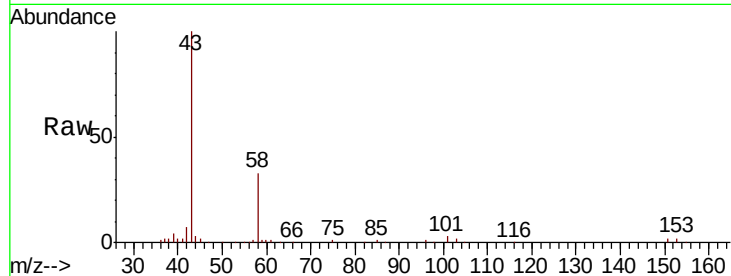
Ion Ratio Lower Upper

58 100

43 300.1 243.6 365.4

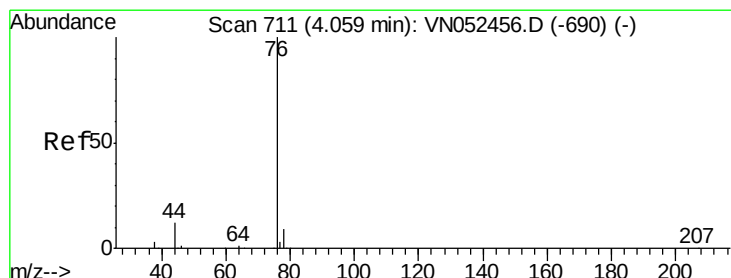
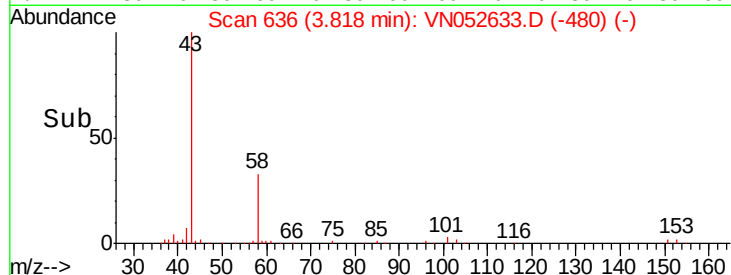
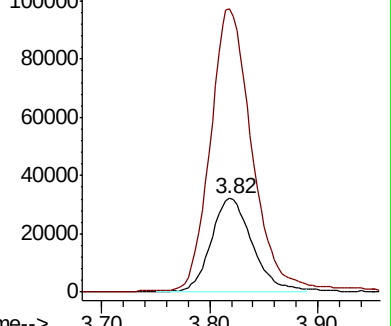
Manual Integrations
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.444 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052633.D

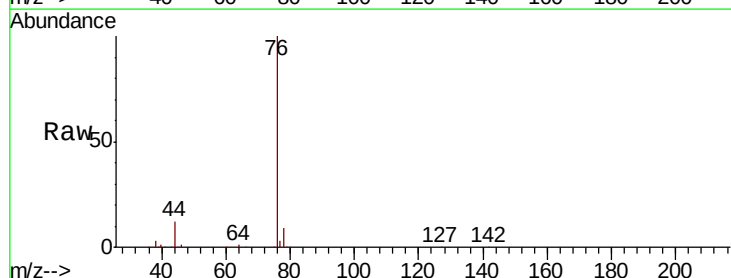
Acq: 3 Dec 2018 16:02

Tgt Ion: 76 Resp: 531393

Ion Ratio Lower Upper

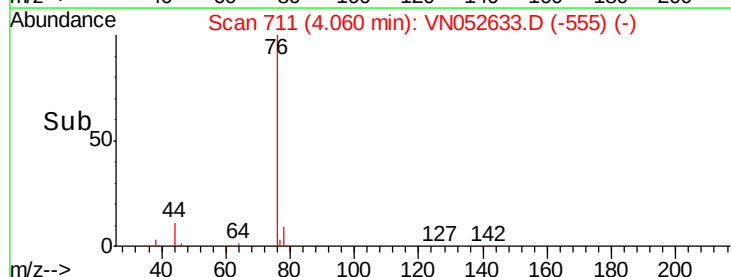
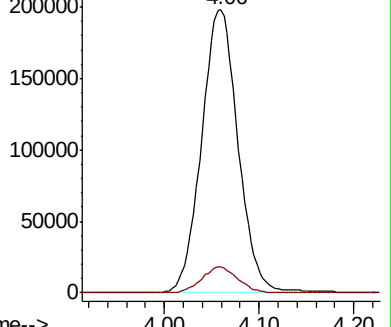
76 100

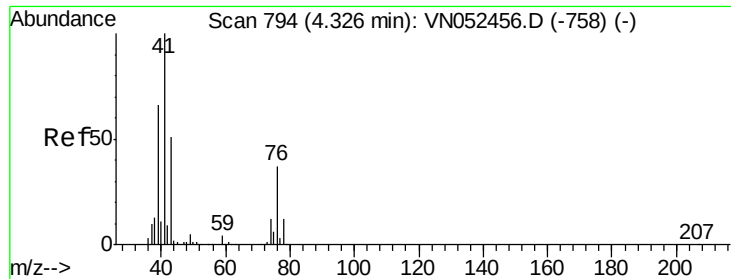
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





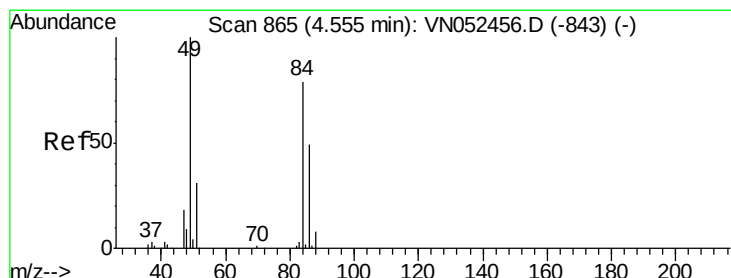
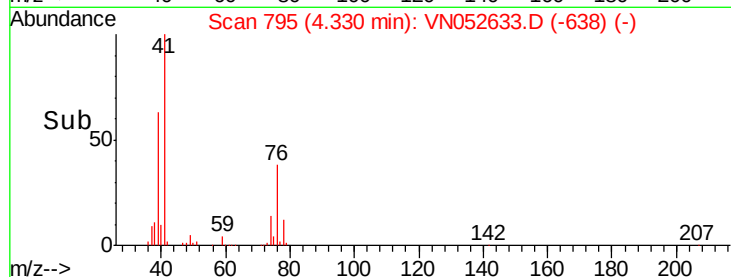
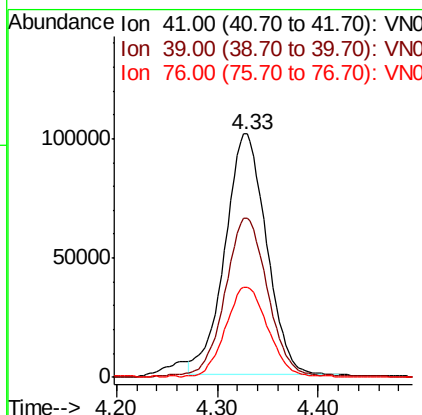
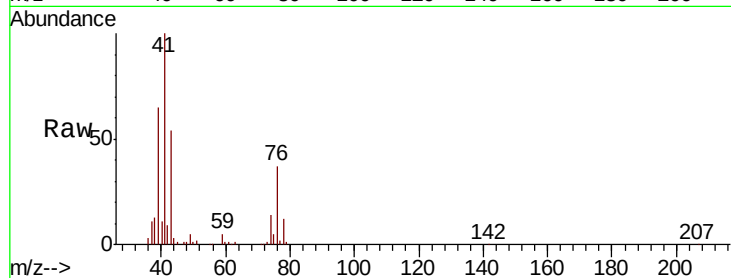
#17
Allvl chloride
Concen: 18.167 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
41	100	288311		
39	65.4		32.8	98.3
76	37.1		18.6	55.8

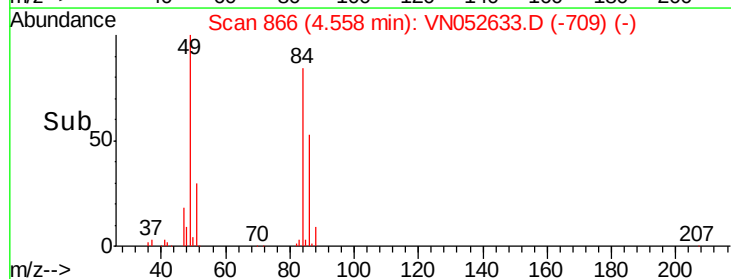
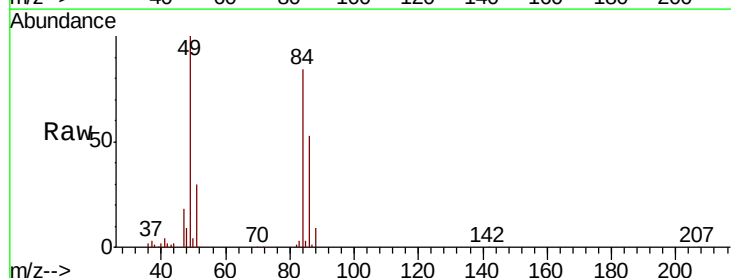
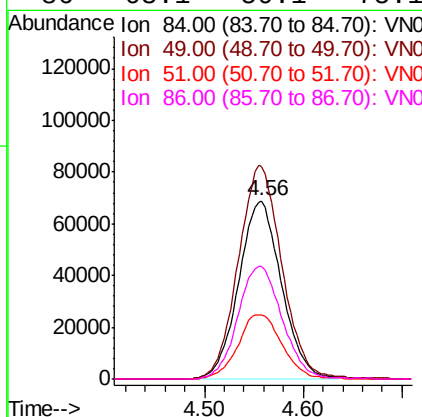
Manual Integrations
APPROVED

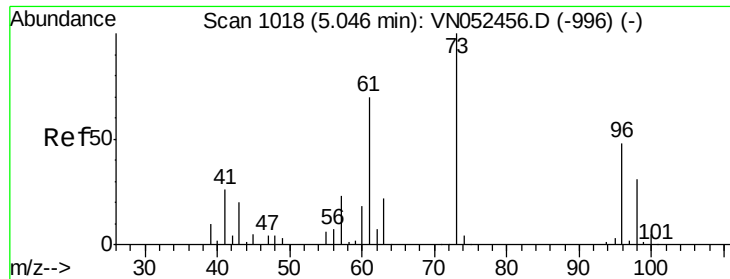
MMDadoda
12/4/2018 2:56:58 PM



#18
Methylene Chloride
Concen: 19.646 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	207003		
49	119.0		101.4	152.0
51	35.9		31.7	47.5
86	63.1		50.1	75.1





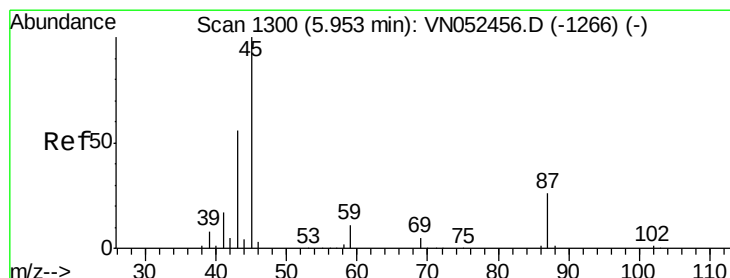
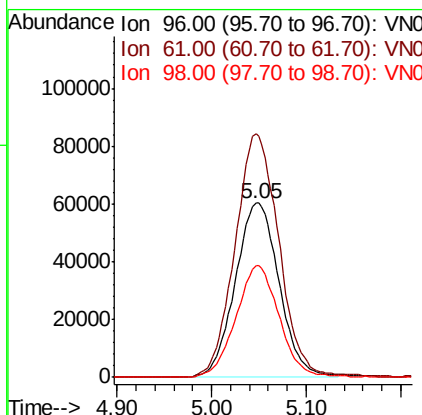
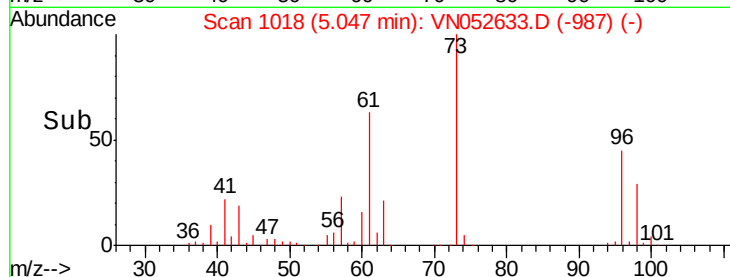
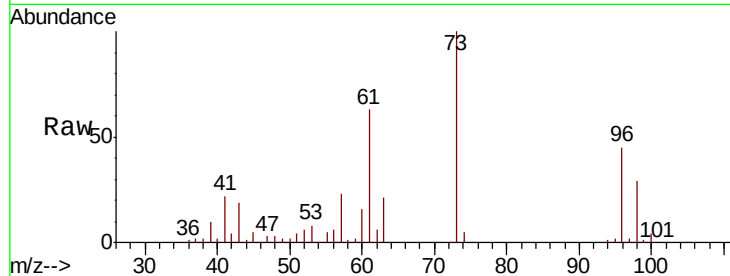
#19
trans-1,2-Dichloroethene
Concen: 19.841 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	118.2	177.4
98	64.0	51.4	77.2

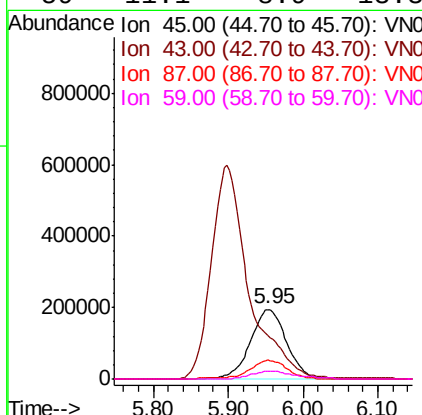
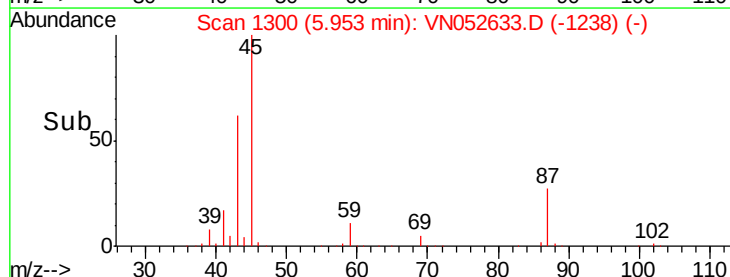
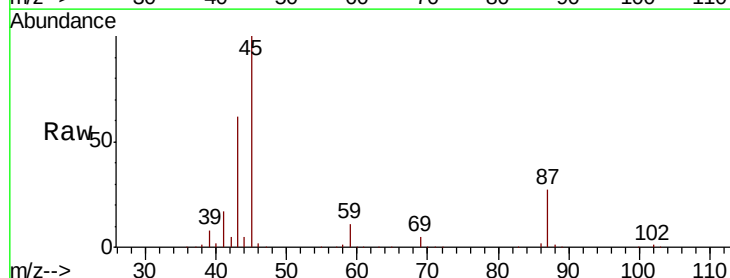
Manual Integrations
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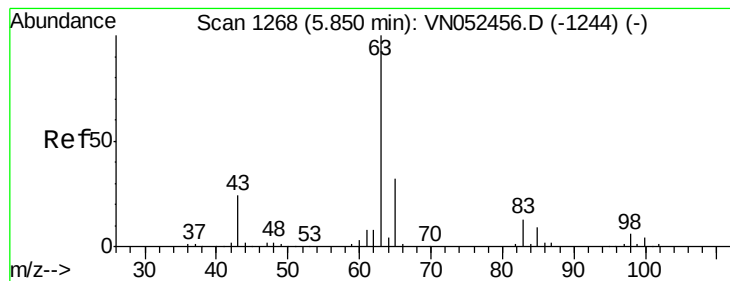
MMDadoda
12/4/2018 2:56:58 PM



#20
Diisopropyl ether
Concen: 19.604 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.0	47.8	71.8
87	26.7	21.3	31.9
59	11.1	8.9	13.3





#21

1,1-Dichloroethane

Concen: 19.660 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

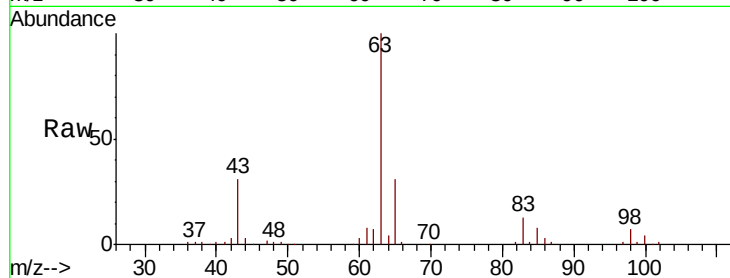
ClientSampleId :

VN1203WBSD02

Tot Ion:	63	Resp:	373715
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.0	9.2
100	4.0	1.8	5.5

Manual Integrations
APPROVED

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12/4/2018 2:56:58 PM

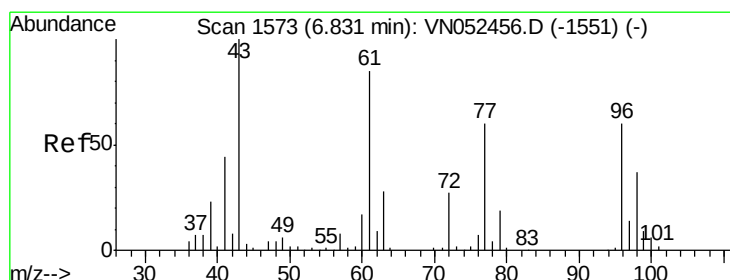
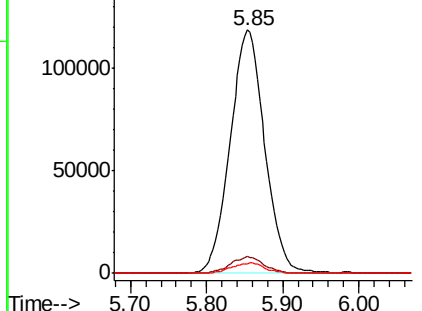
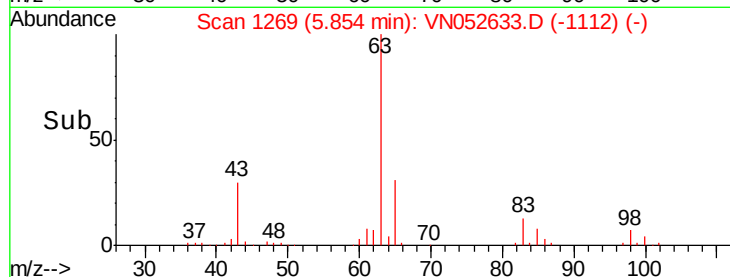


Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.924 ug/l

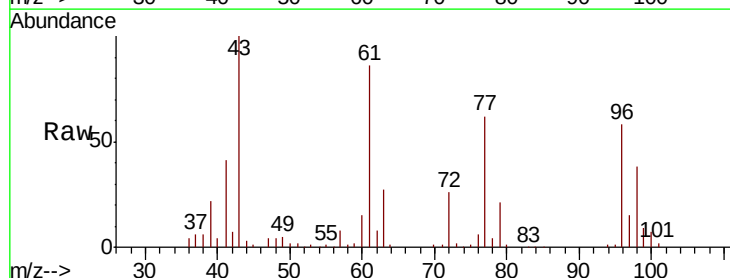
RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	96	Resp:	223621
Ion Ratio	Lower	Upper	
96	100		
61	144.1	116.7	175.1
98	63.8	50.8	76.2

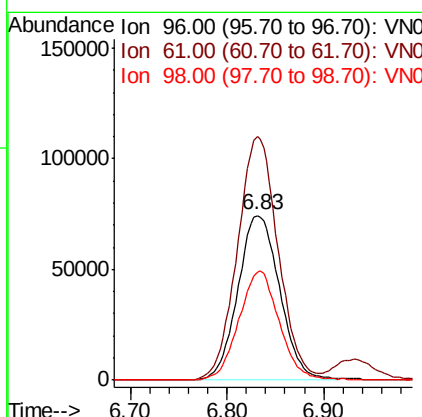
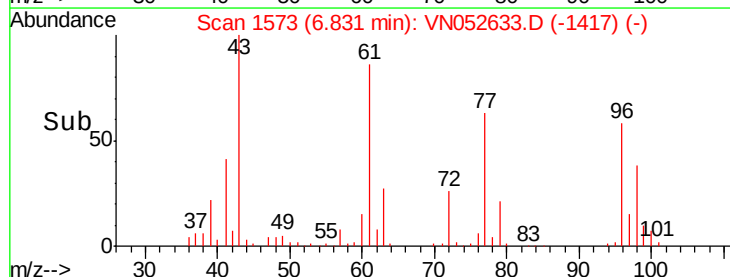


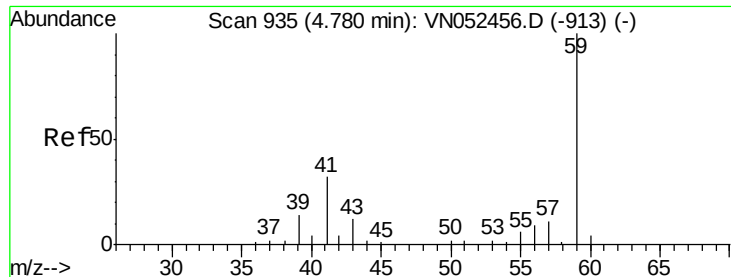
Abundance Ion 96.00 (95.70 to 96.70): VN052456.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN052456.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN052456.D (-1551) (-)

Time-->





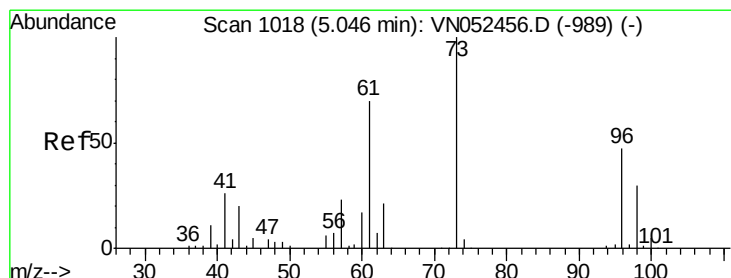
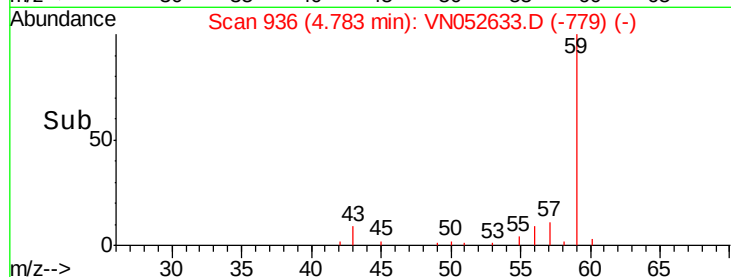
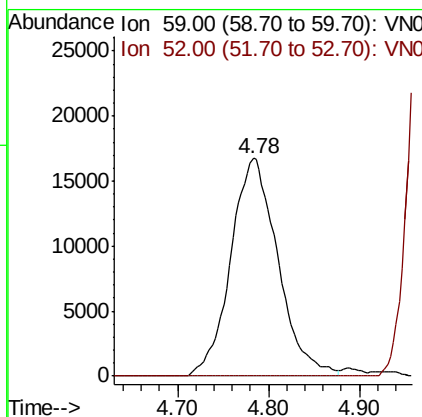
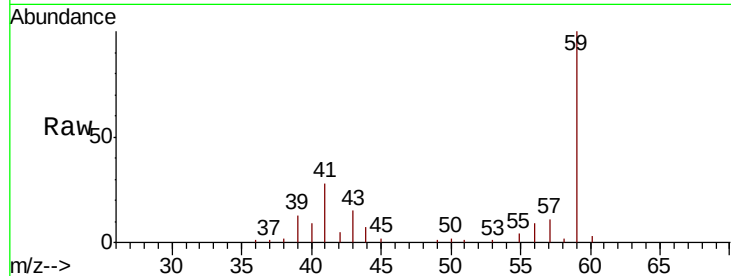
#23
 tert-Butyl Alcohol
 Concen: 123.099 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion: 59 Resp: 60329
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.0 0.0#

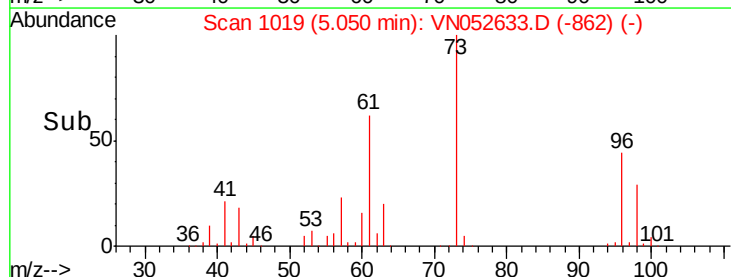
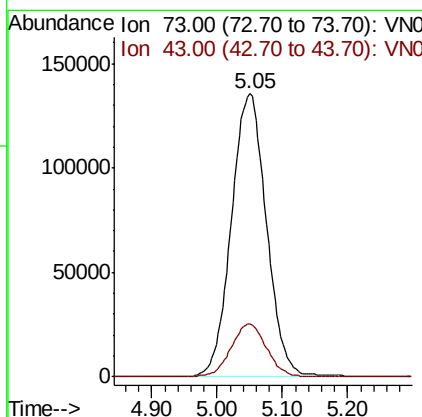
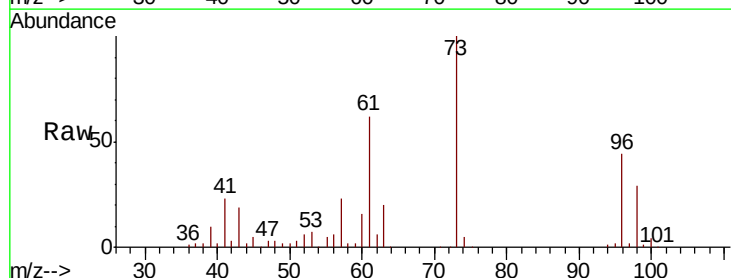
Manual Integrations
 APPROVED

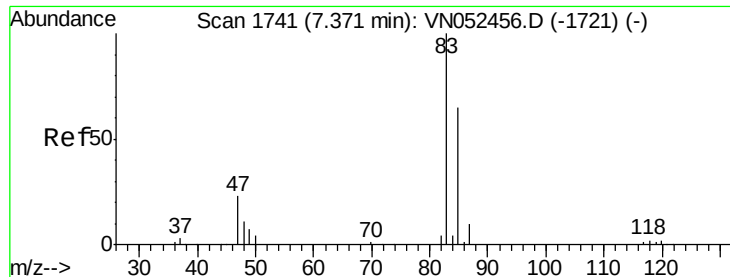
MMDadoda
 12/4/2018 2:56:58 PM



#24
 Methyl tert-Butyl Ether
 Concen: 21.226 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 73 Resp: 506738
 Ion Ratio Lower Upper
 73 100
 43 18.5 15.8 23.8





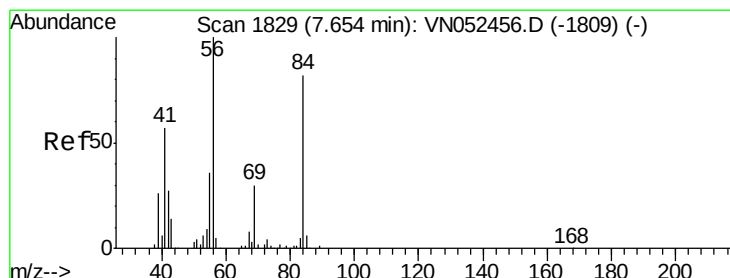
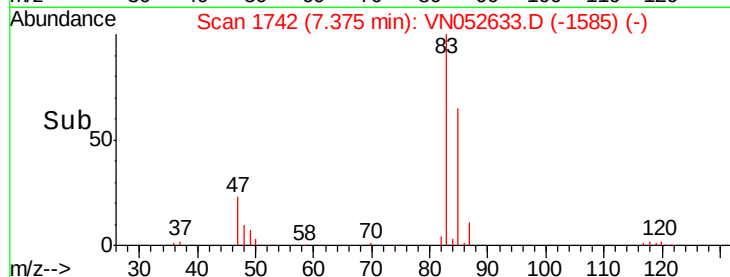
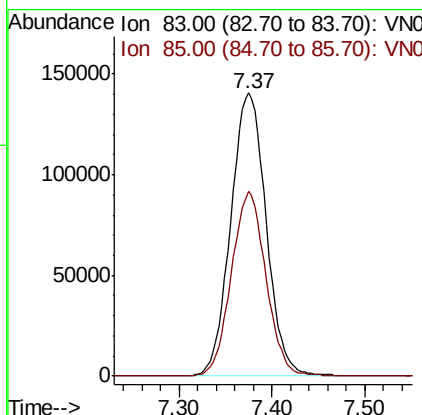
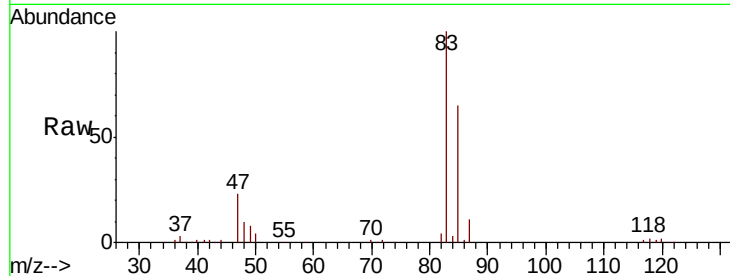
#25
Chloroform
Concen: 20.332 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	83	Resp	372857
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.7	77.5

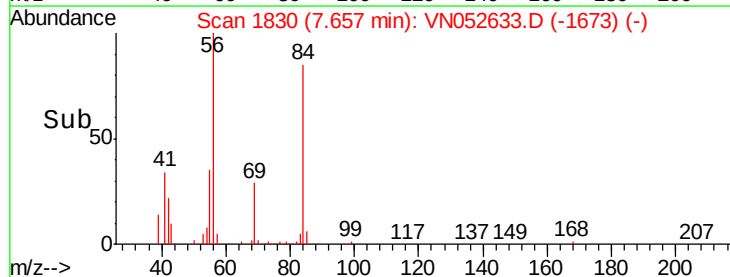
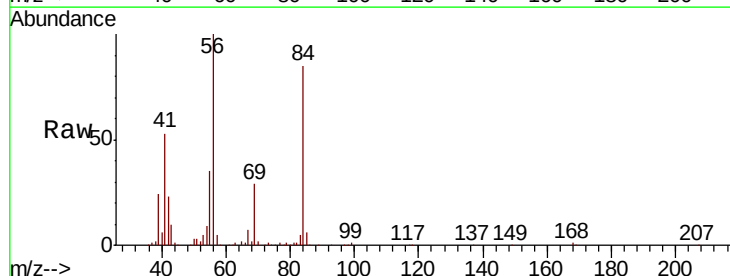
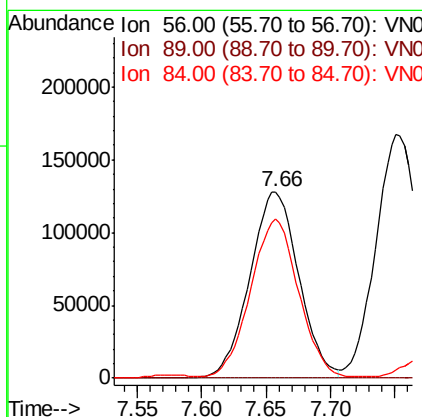
Manual Integrations
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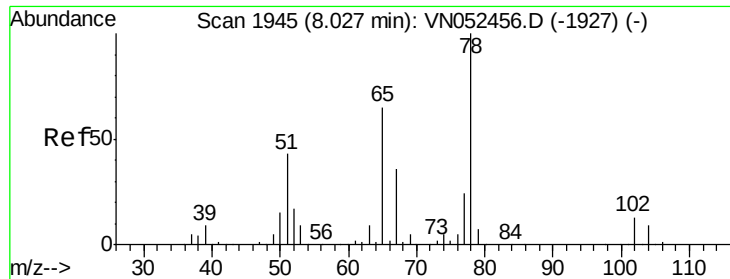
MMDadoda
12/4/2018 2:56:58 PM



#26
Cyclohexane
Concen: 18.892 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	56	Resp	338696
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.5	0.7#
84	84.4	66.2	99.2





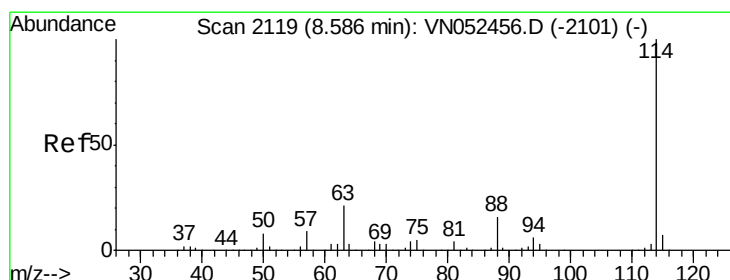
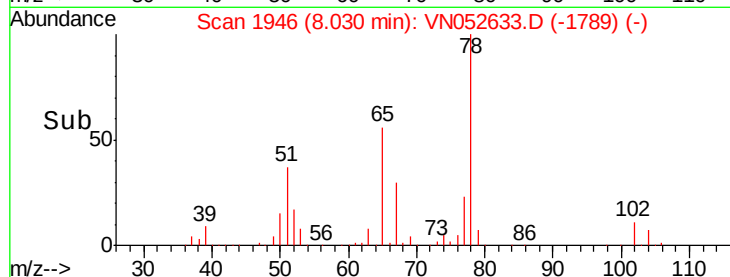
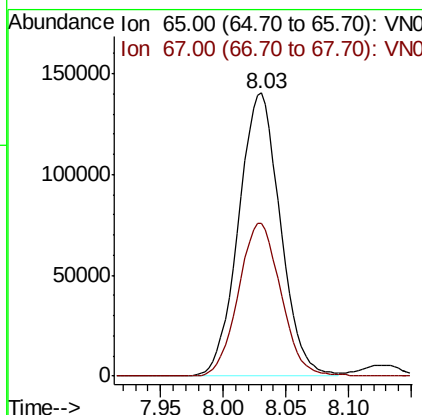
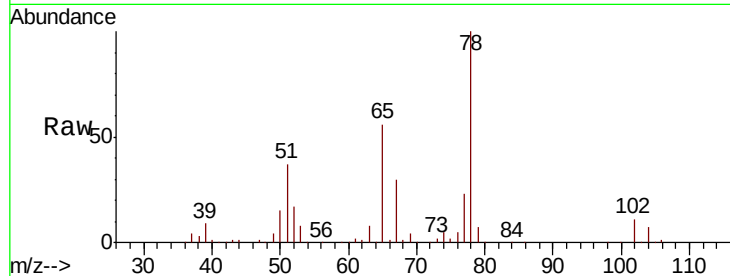
#27
 1,2-Dichloroethane-d4
 Concen: 18.892 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion: 65 Resp: 325710
 Ion Ratio Lower Upper
 65 100
 67 54.6 44.6 66.8

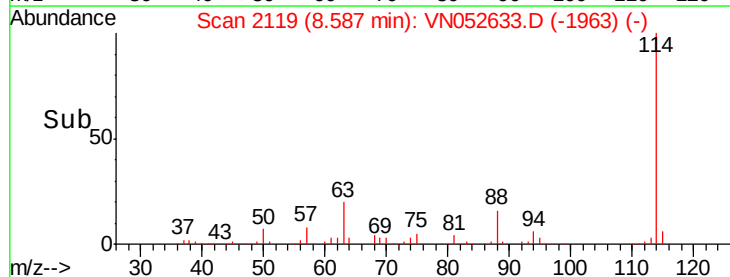
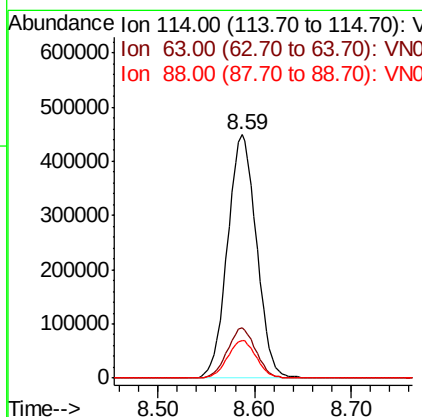
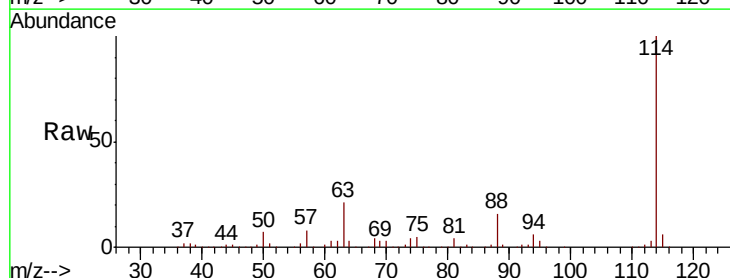
Manual Integrations
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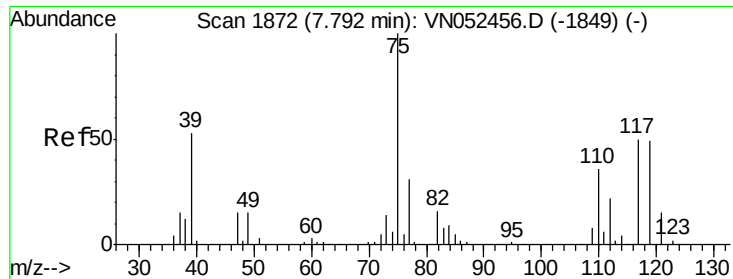
MMDadoda
 12/4/2018 2:56:58 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 114 Resp: 932782
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.9 25.3
 88 15.4 12.8 19.2





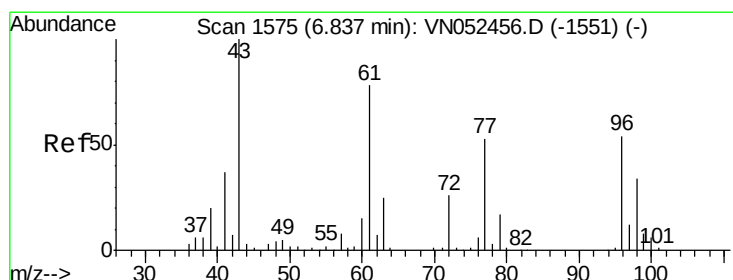
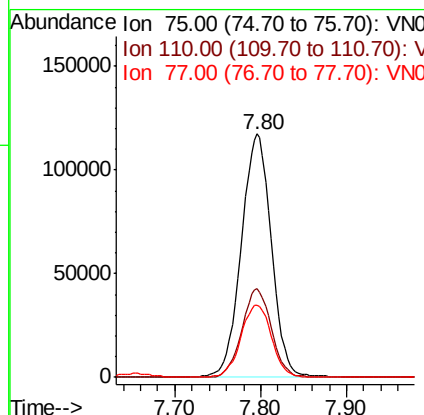
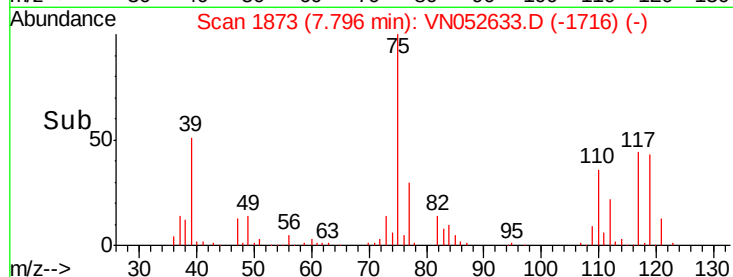
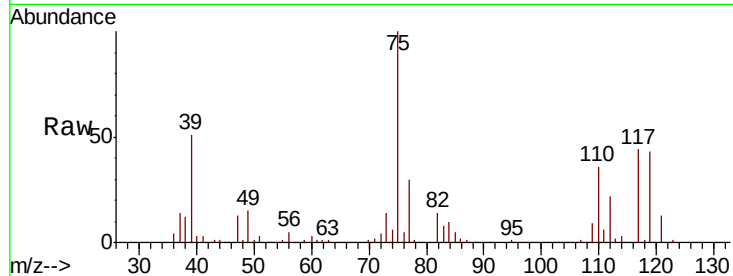
#29
 1,1-Dichloropropene
 Concen: 20.017 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.5	0.0	70.2
77	30.4	0.0	62.6

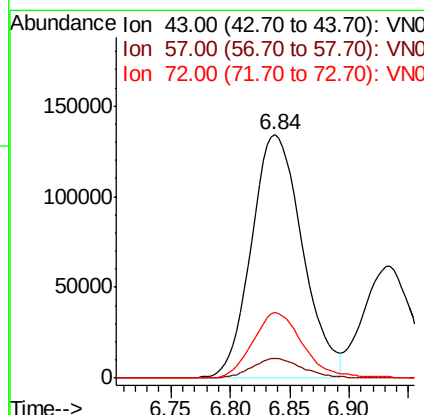
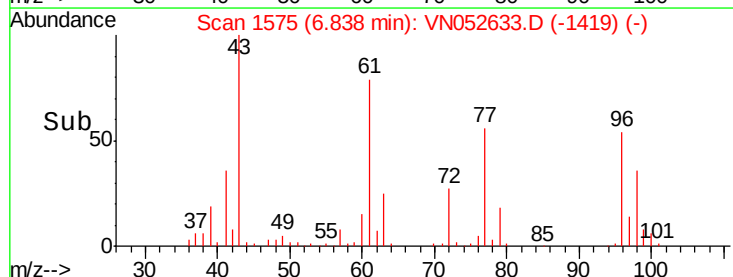
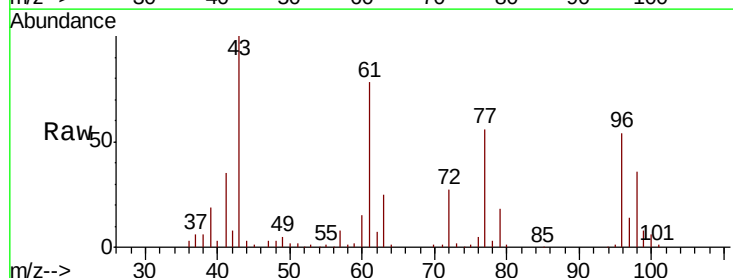
Manual Integrations
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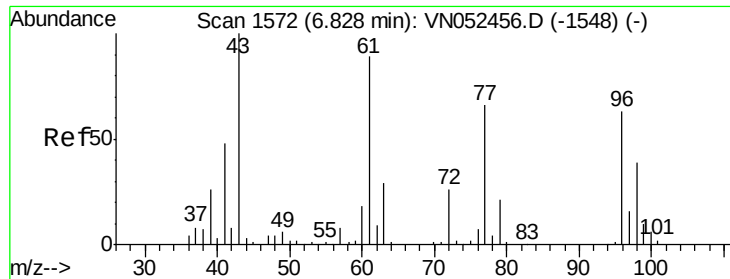
MMDadoda
 12/4/2018 2:56:58 PM



#30
 2-Butanone
 Concen: 104.363 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.4
72	26.7	21.0	31.6





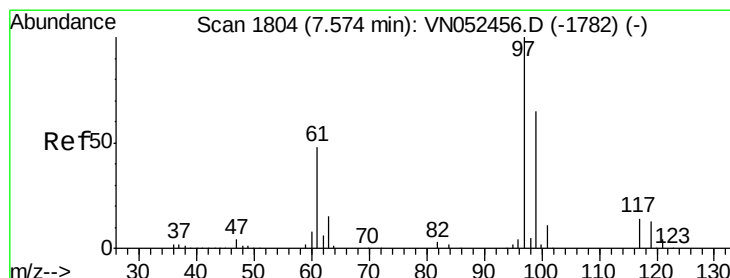
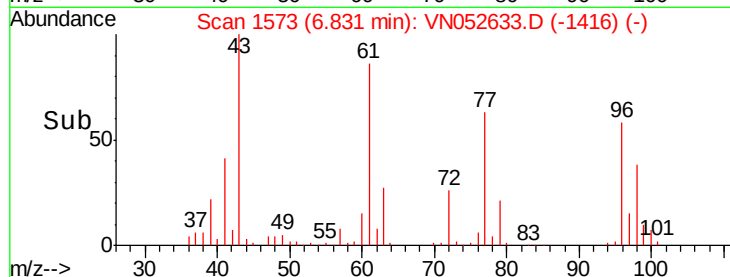
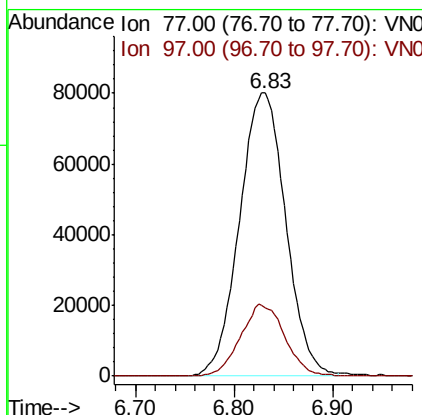
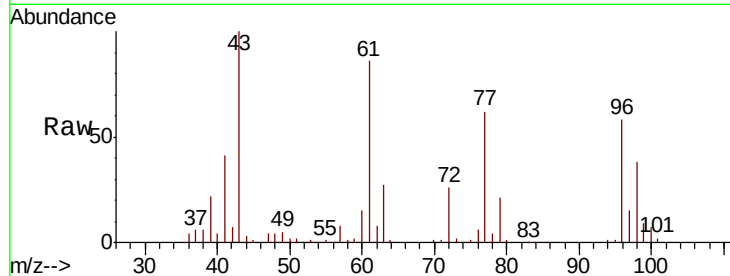
#31
 2,2-Dichloropropane
 Concen: 19.837 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion: 77 Resp: 260138
 Ion Ratio Lower Upper
 77 100
 97 24.3 18.7 28.1

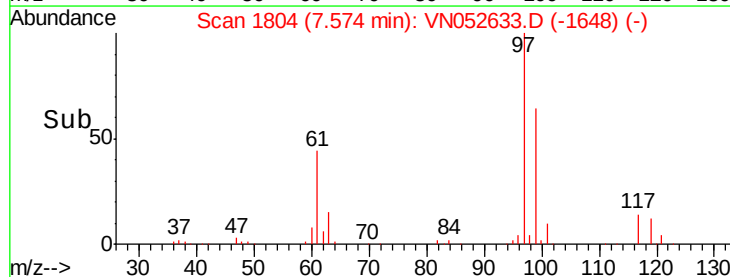
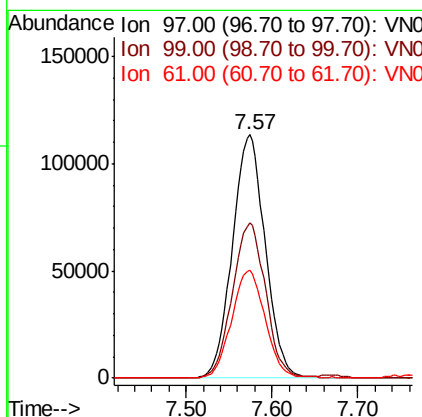
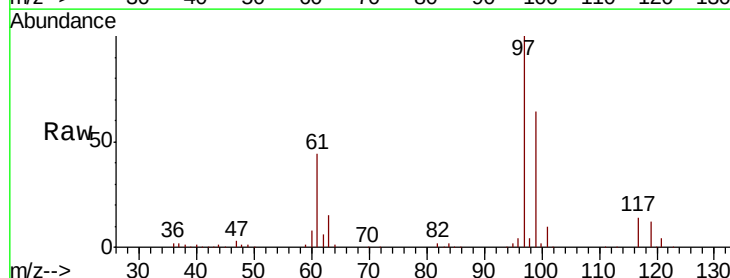
Manual Integrations
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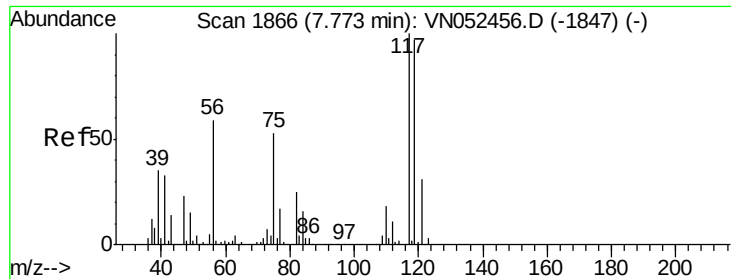
MMDadoda
 12/4/2018 2:56:58 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.342 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 97 Resp: 301505
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 45.1 38.1 57.1





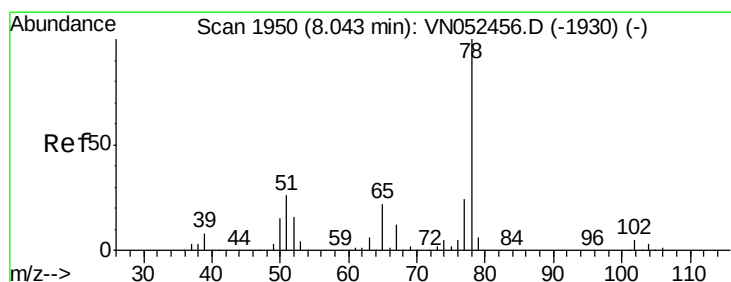
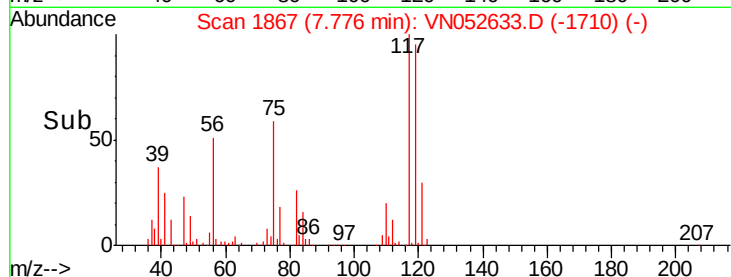
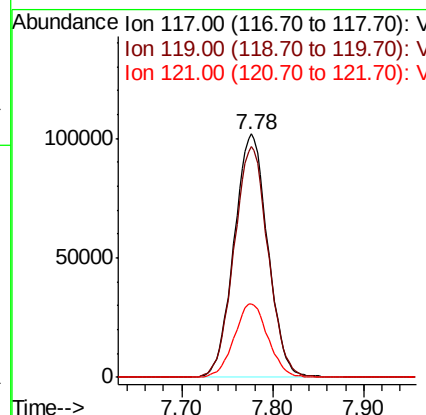
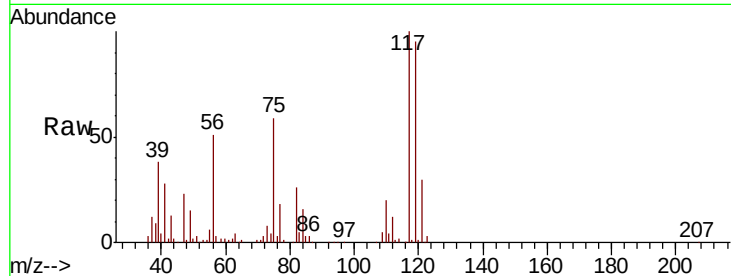
#33
Carbon Tetrachloride
Concen: 20.210 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.3	115.9
121	30.4	24.9	37.3

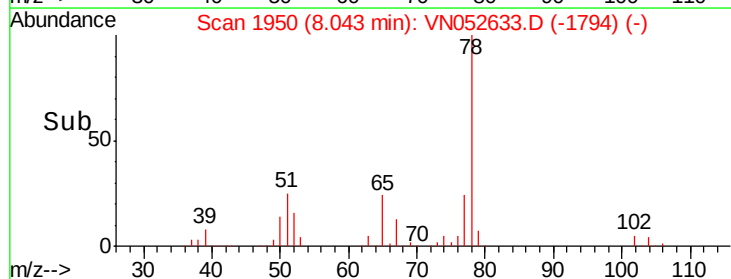
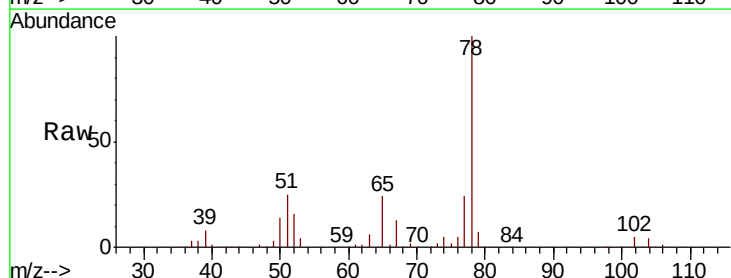
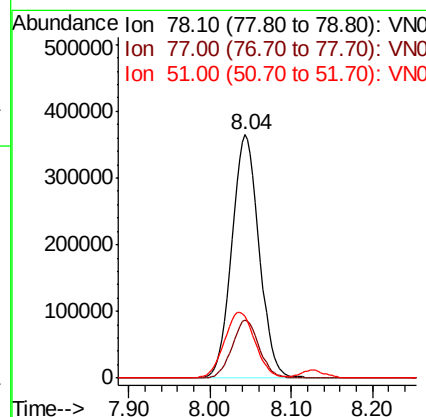
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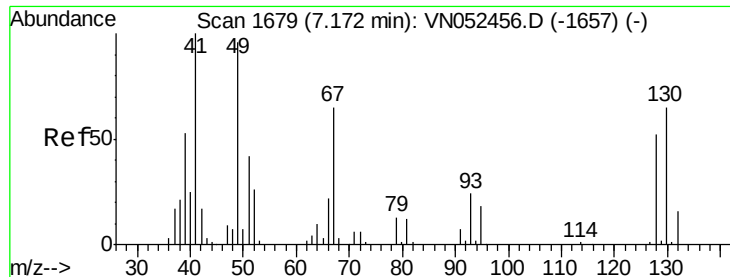
MMDadoda
12/4/2018 2:56:58 PM



#34
Benzene
Concen: 19.957 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6
51	25.1	20.5	30.7





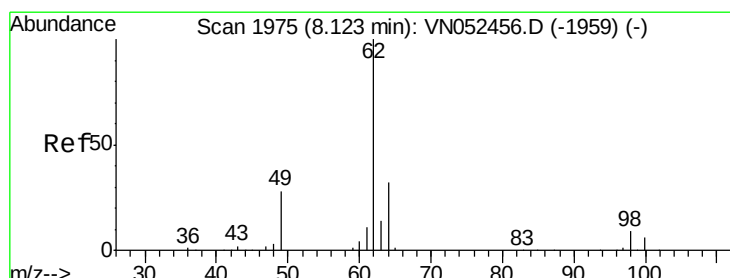
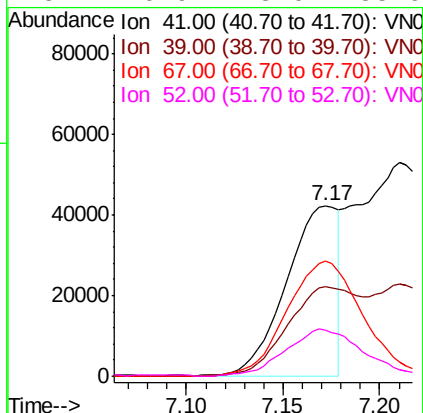
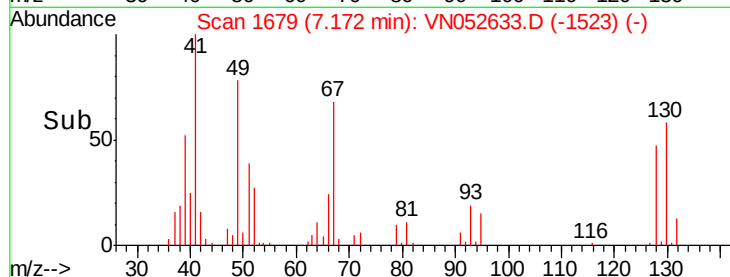
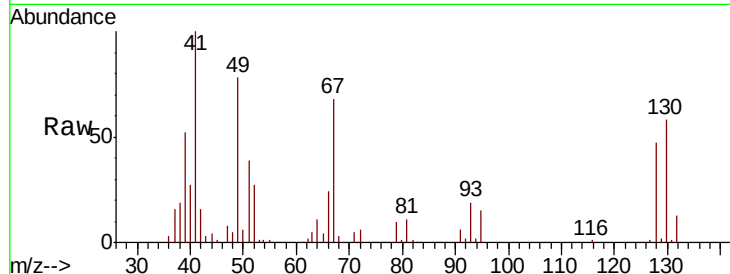
#35
Methacrylonitrile
Concen: 16.496 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	41	Resp	78010
Ion	Ratio	Lower	Upper
41	100		
39	52.4	26.6	79.7
67	68.0	32.3	96.9
52	26.9	13.0	38.9

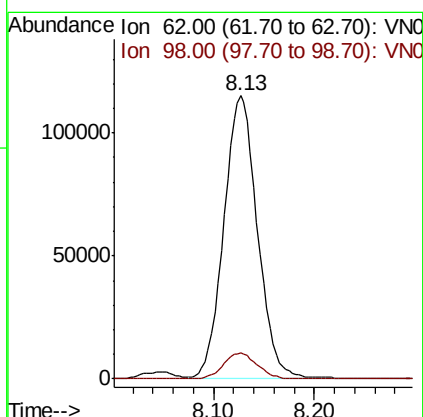
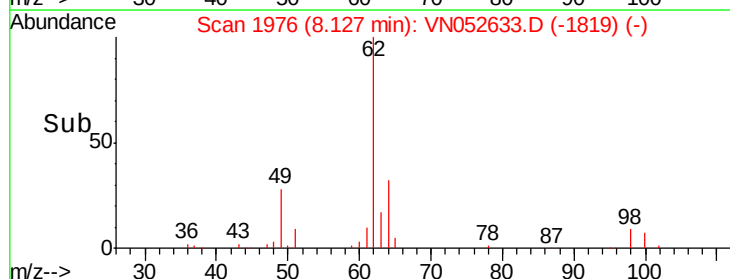
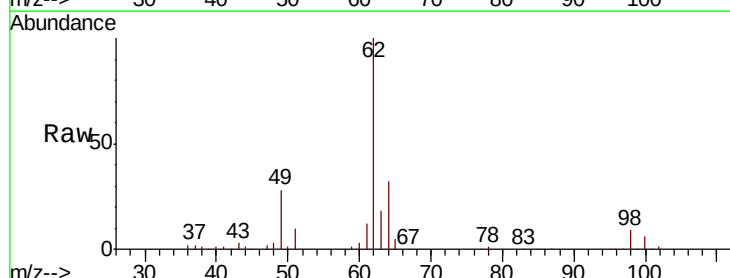
Manual Integrations
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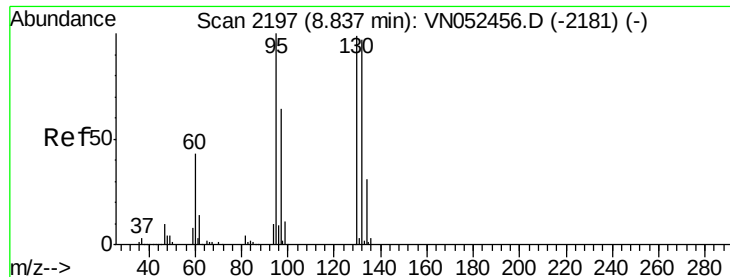
MMDadoda
12/4/2018 2:56:58 PM



#36
1,2-Dichloroethane
Concen: 20.468 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	62	Resp	265629
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2





#37

Trichloroethene

Concen: 20.630 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion:130 Resp: 224042

Ion Ratio Lower Upper

130 100

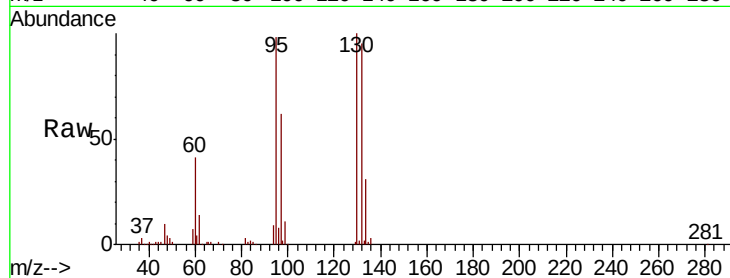
95 98.0 81.0 121.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

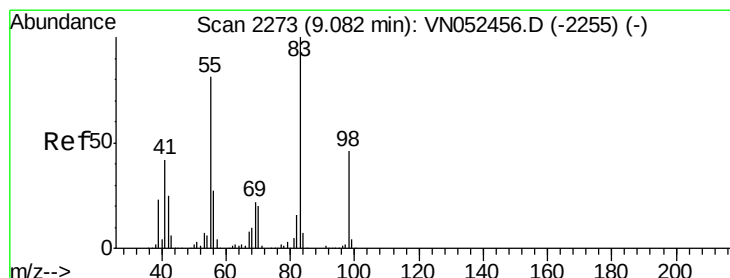
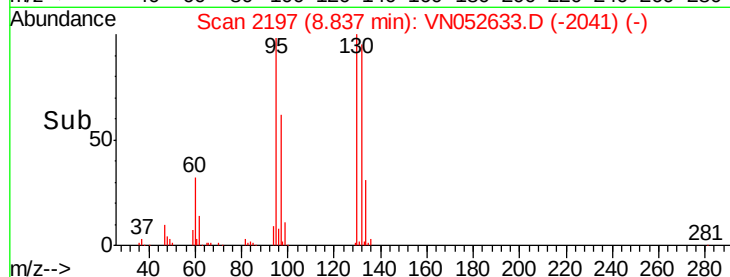
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.964 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

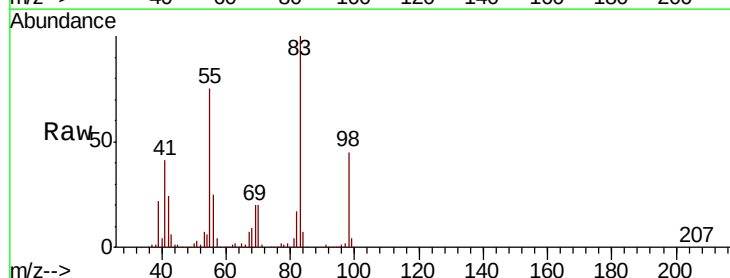
Tgt Ion: 83 Resp: 334406

Ion Ratio Lower Upper

83 100

55 76.6 39.8 119.4

98 46.3 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

200000

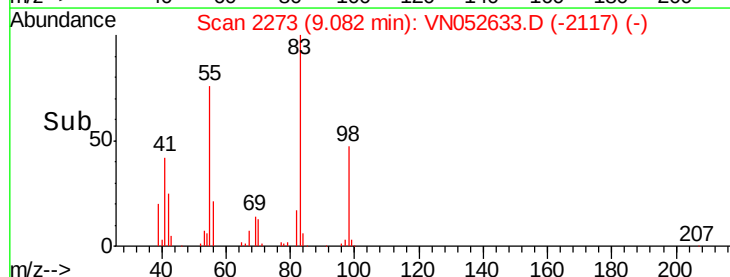
150000

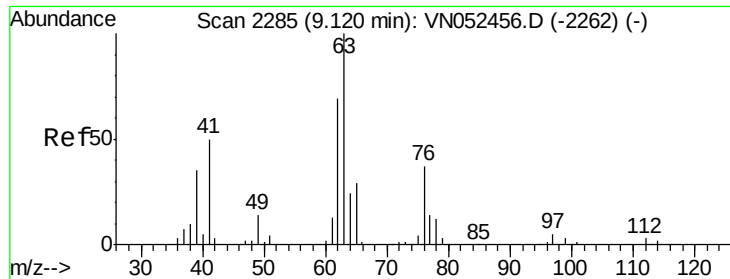
100000

50000

0

Time-->





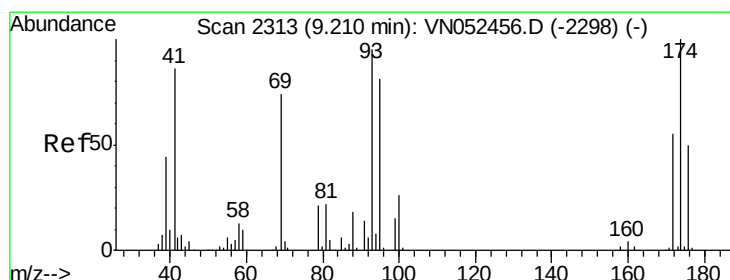
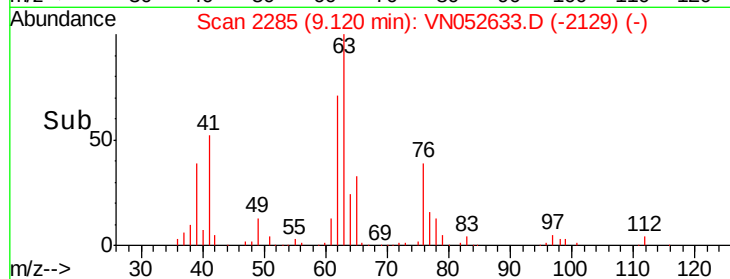
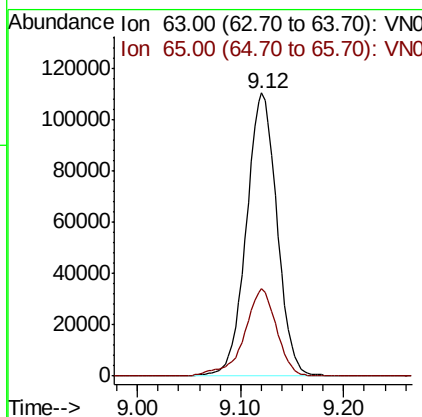
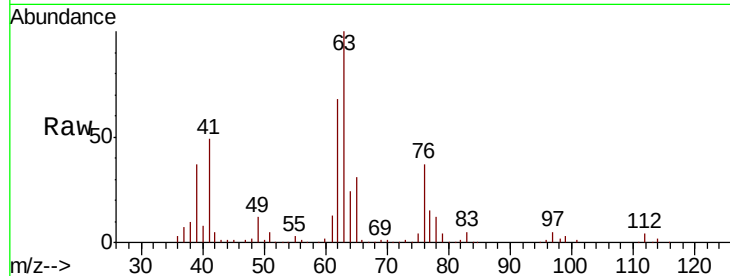
#39
 1,2-Dichloropropane
 Concen: 19.846 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion: 63 Resp: 227830
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4

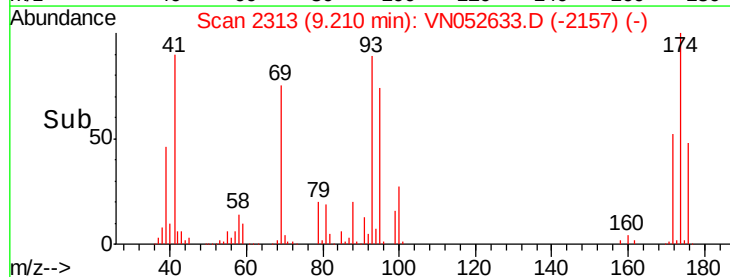
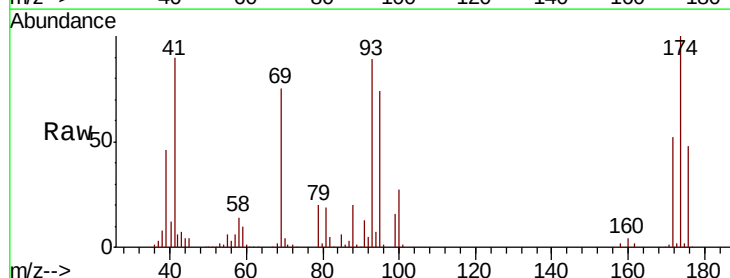
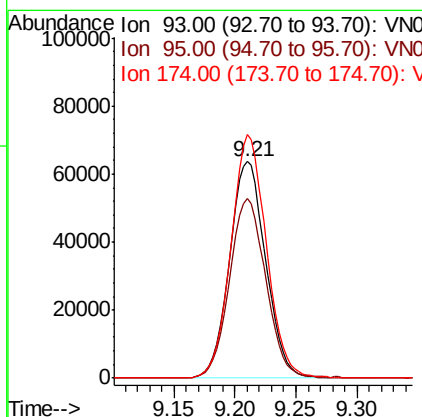
Manual Integrations
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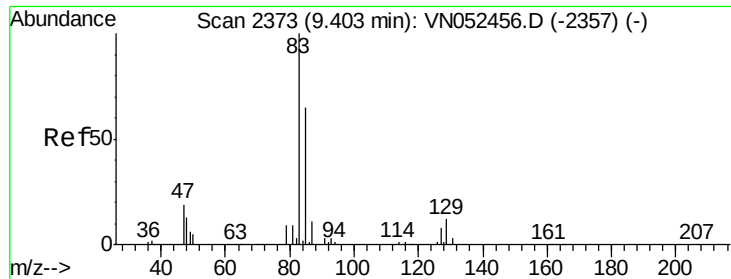
MMDadoda
 12/4/2018 2:56:58 PM



#40
 Dibromomethane
 Concen: 21.169 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion: 93 Resp: 131327
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 168.4
 174 109.6 0.0 210.0





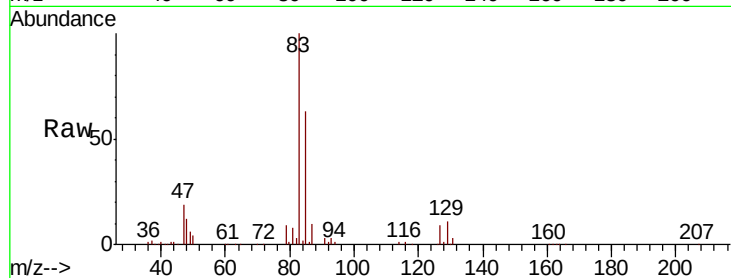
#41
Bromodichloromethane
Concen: 20.214 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

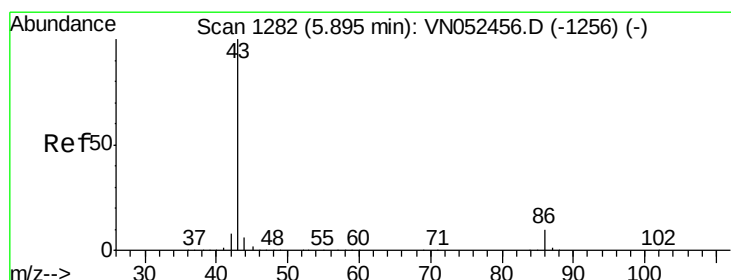
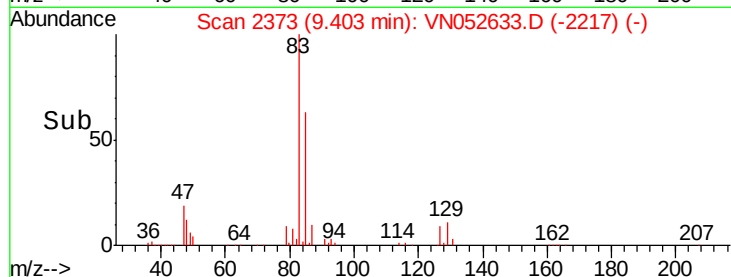
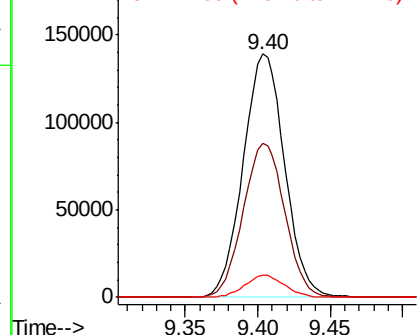
Tot Ion	83	Resp	277058
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	52.4	78.6
127	9.0	6.6	9.8

Manual Integrations
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MMDadoda
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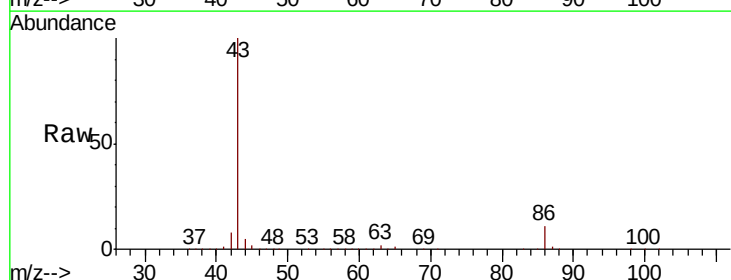


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

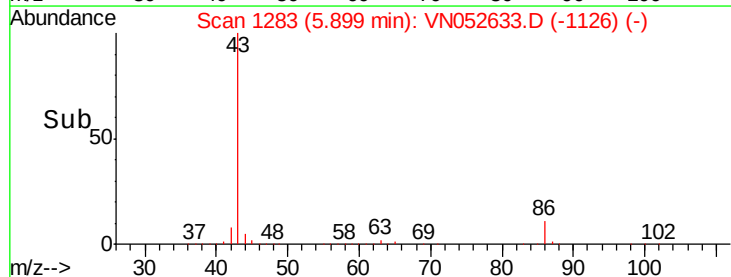
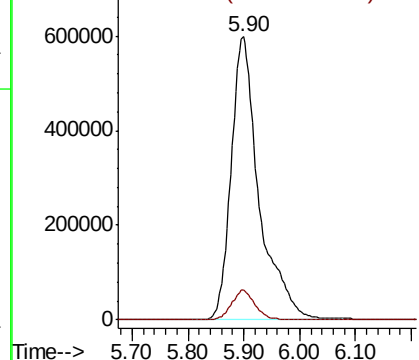


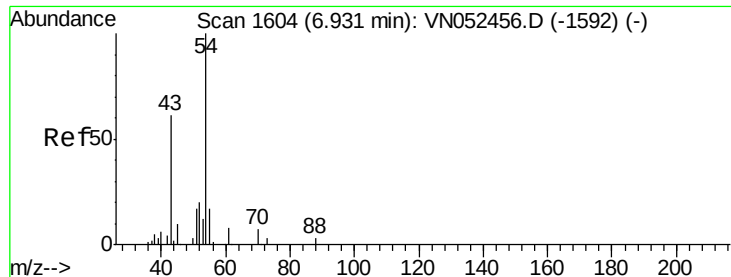
#42
Vinyl Acetate
Concen: 101.267 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	43	Resp	2088454
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





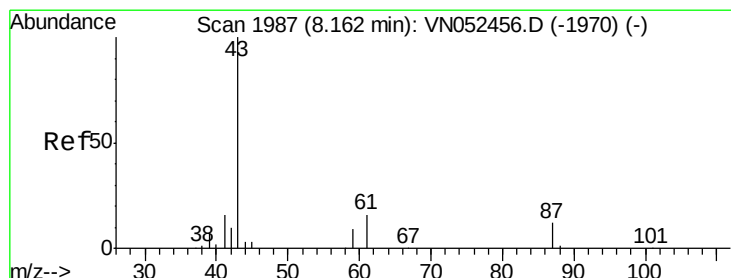
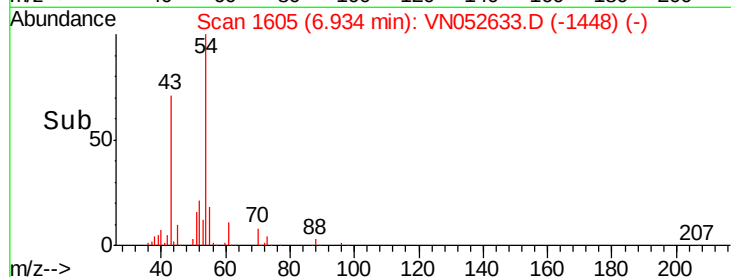
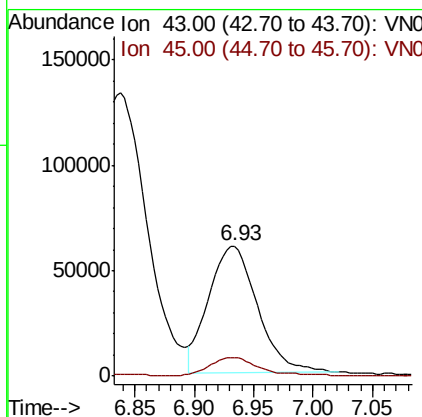
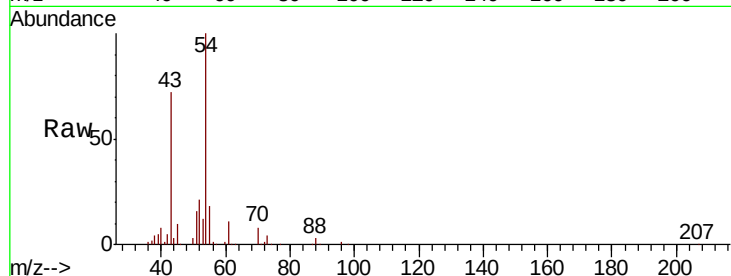
#43
Ethyl Acetate
Concen: 21.228 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion: 43 Resp: 172049
Ion Ratio Lower Upper
43 100
45 13.5 1.0 1.6#

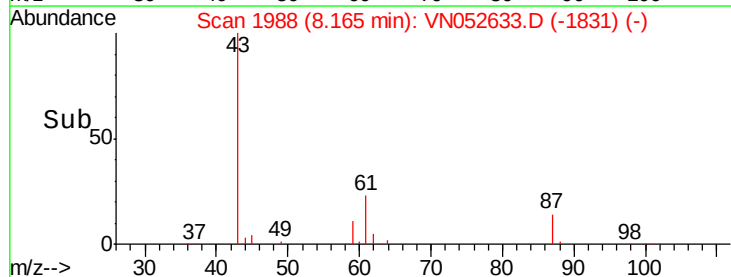
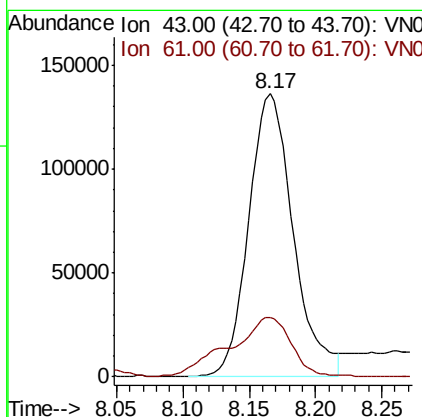
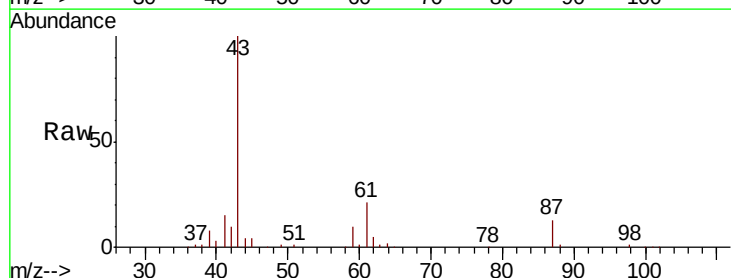
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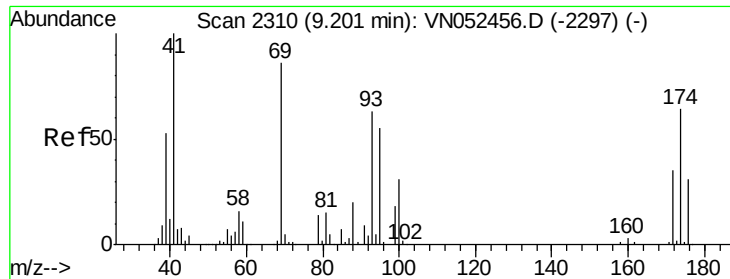
MMDadoda
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#44
Isopropyl Acetate
Concen: 22.352 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion: 43 Resp: 317721
Ion Ratio Lower Upper
43 100
61 29.3 16.0 24.0#





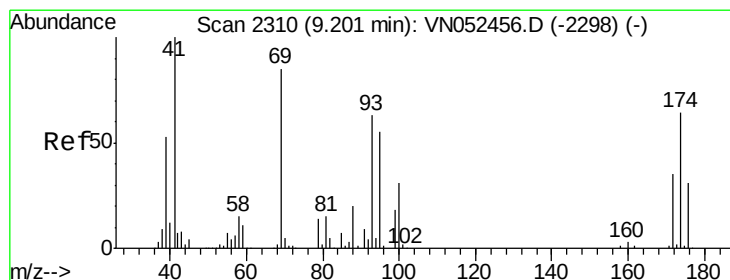
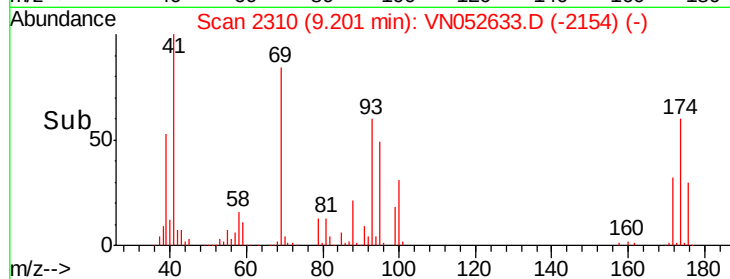
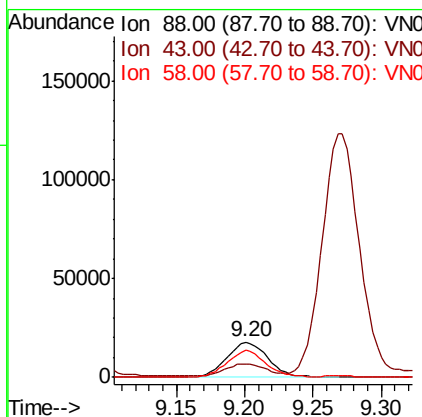
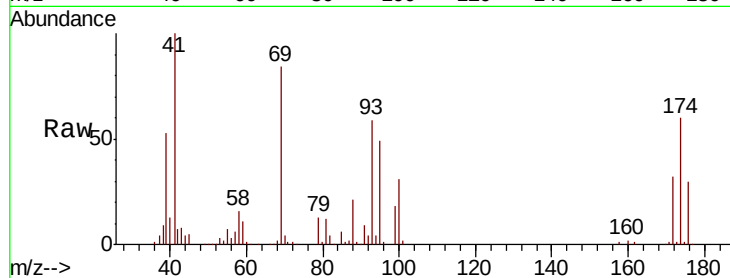
#45
 1,4-Dioxane
 Concen: 482.403 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion	88	Resp	37513
Ion	Ratio	Lower	Upper
88	100		
43	31.9	29.5	44.3
58	72.6	61.5	92.3

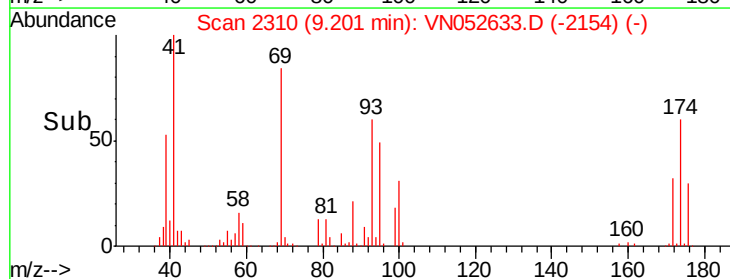
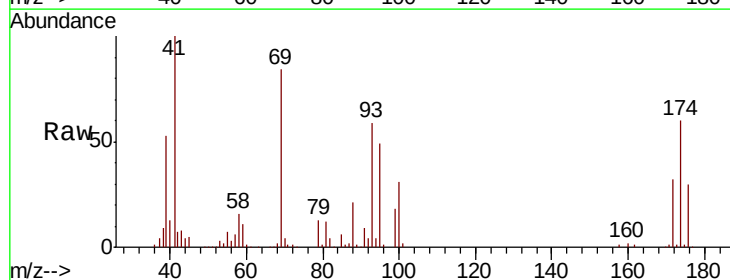
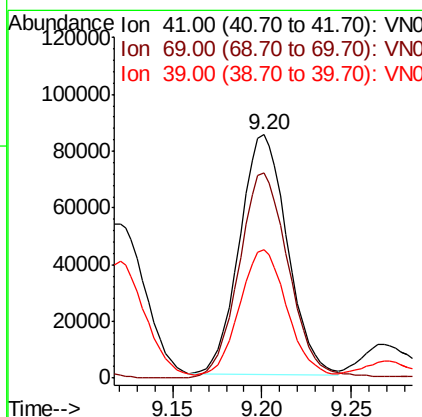
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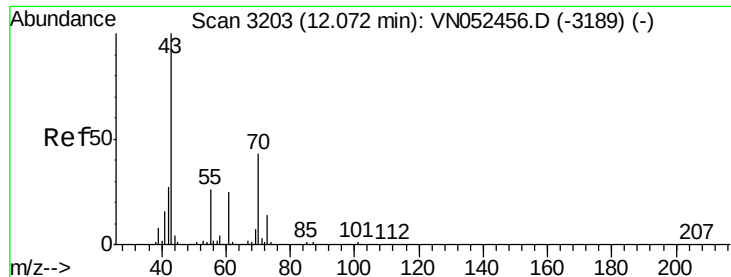
MMDadoda
 12/4/2018 2:56:58 PM



#46
 Methyl methacrylate
 Concen: 21.380 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	41	Resp	157791
Ion	Ratio	Lower	Upper
41	100		
69	85.8	42.5	127.6
39	52.4	26.3	78.9





#47

n-amvl Acetate

Concen: 20.294 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion: 43 Resp: 239179

Ion Ratio Lower Upper

43 100

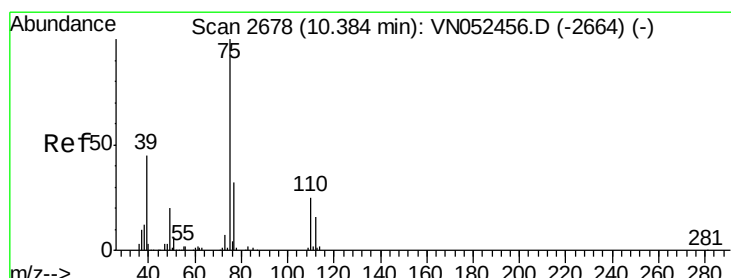
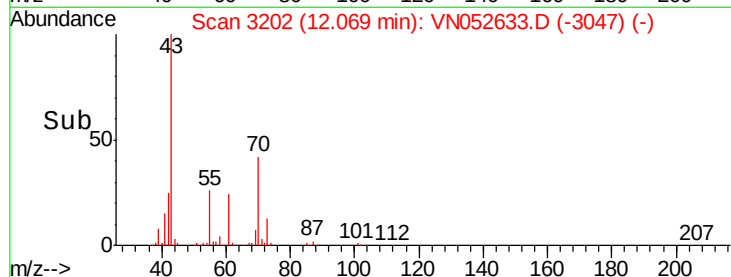
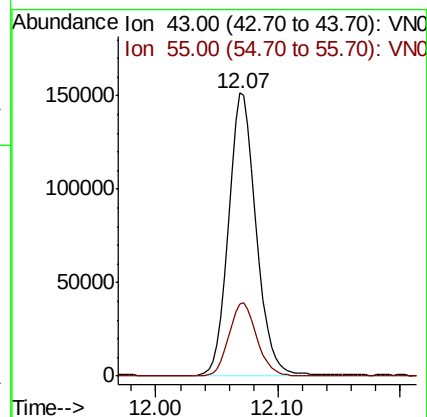
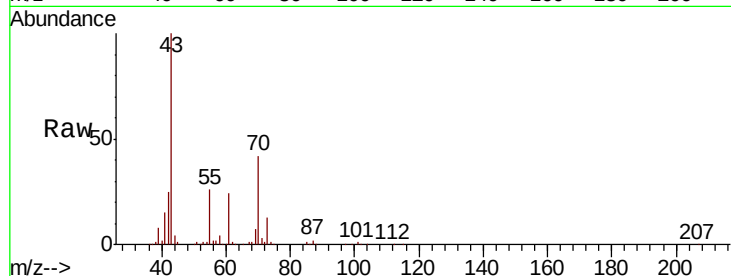
55 26.3 21.1 31.7

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.148 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052633.D

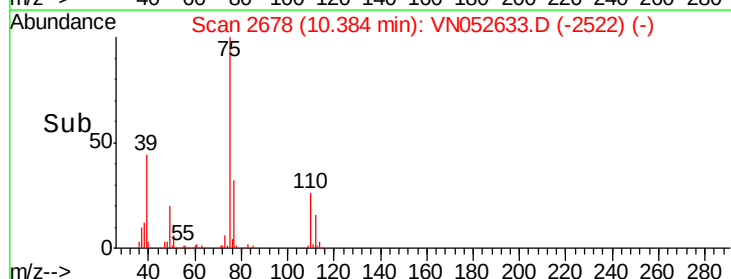
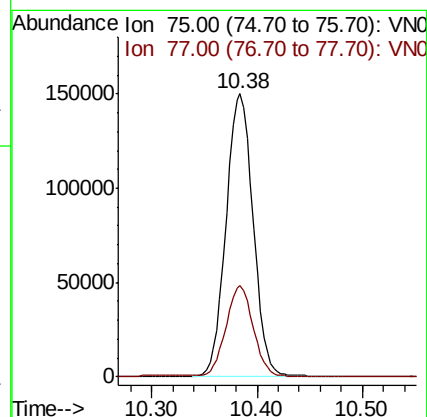
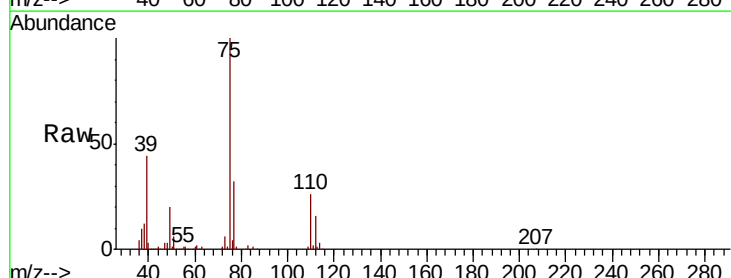
Acq: 3 Dec 2018 16:02

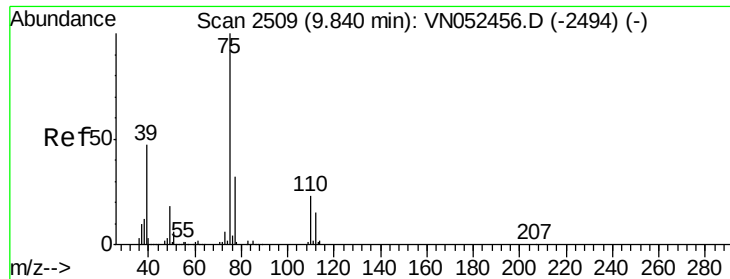
Tgt Ion: 75 Resp: 267763

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4





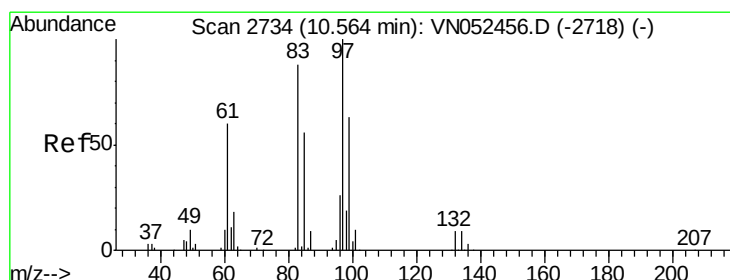
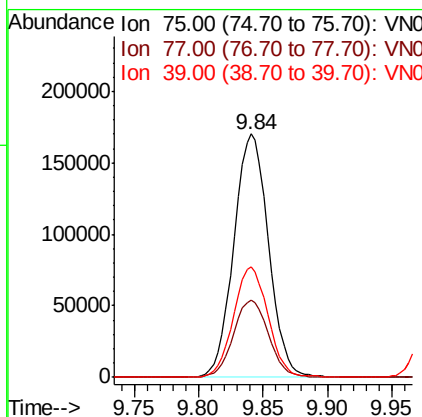
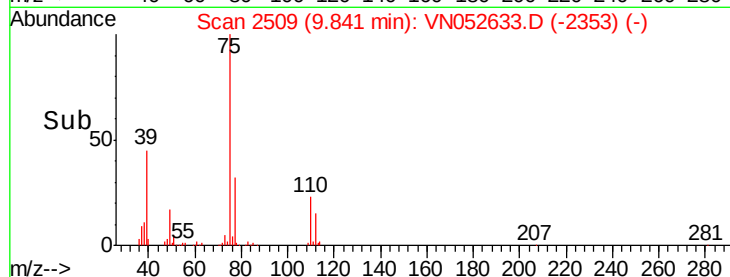
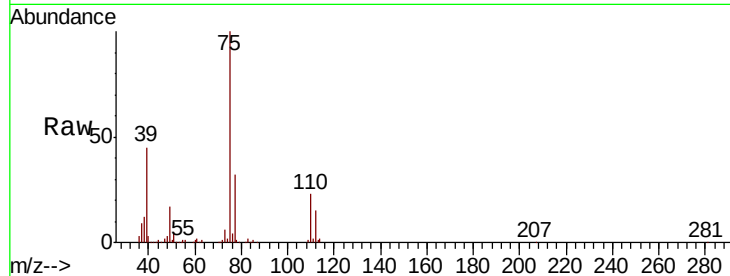
#49
 cis-1,3-Dichloropropene
 Concen: 19.696 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	45.3	37.3	55.9

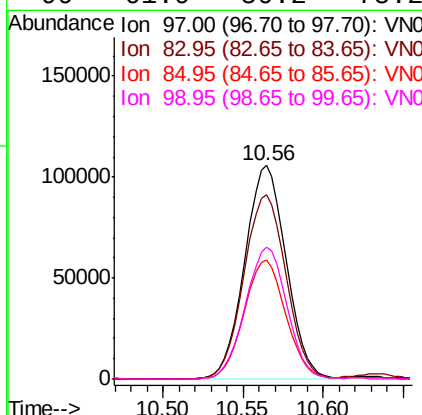
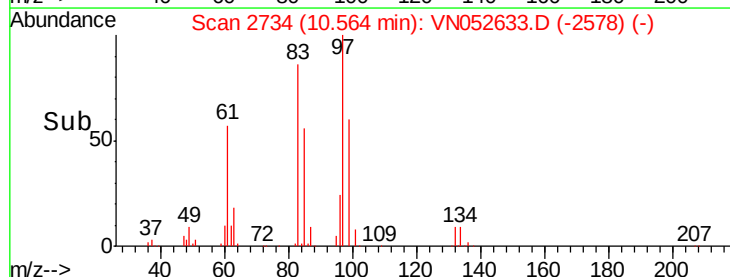
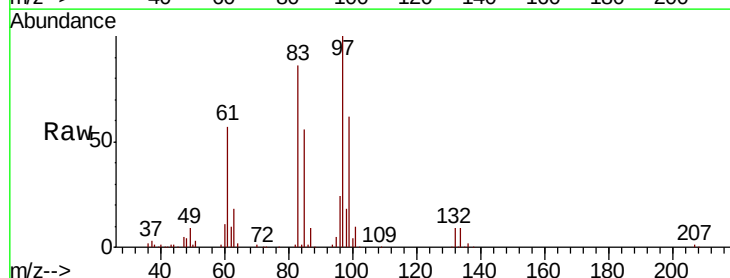
Manual Integrations
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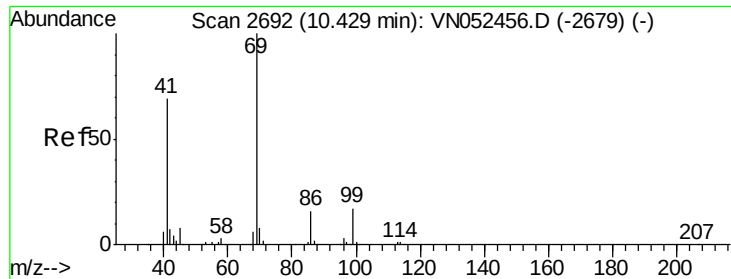
MMDadoda
 12/4/2018 2:56:58 PM



#50
 1,1,2-Trichloroethane
 Concen: 21.320 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.4	105.6
85	55.7	45.0	67.6
99	61.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.933 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

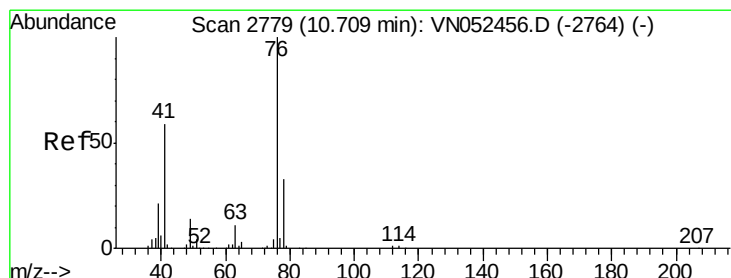
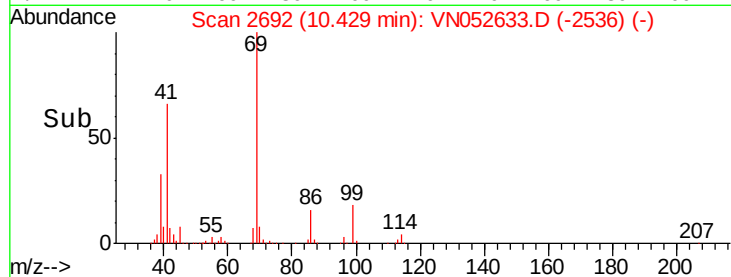
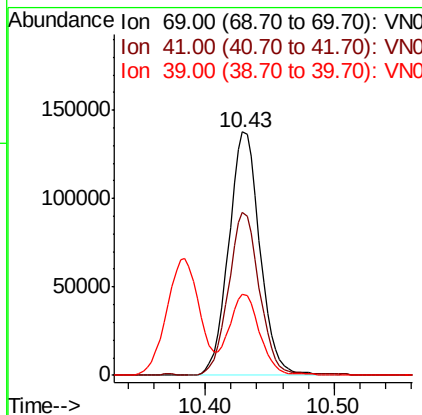
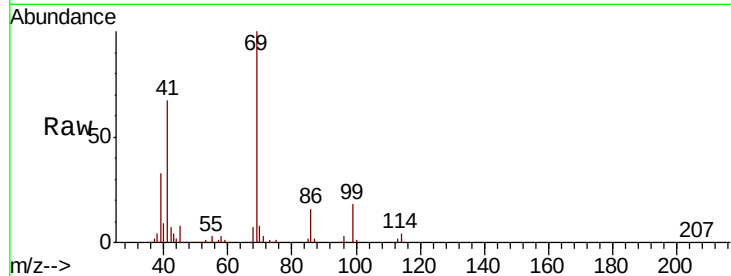
ClientSampleId :

VN1203WBSD02

Tot Ion:	69	Resp:	231191
Ion Ratio	Lower	Upper	
69	100		
41	66.4	34.4	103.3
39	33.0	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.497 ug/l

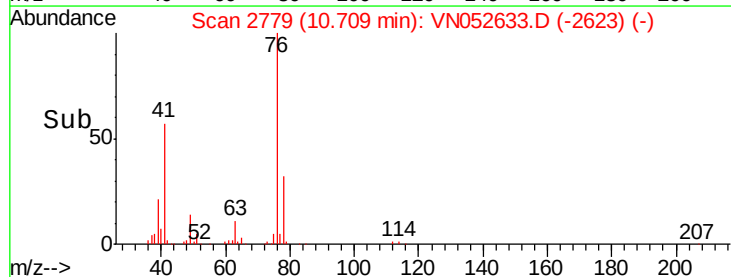
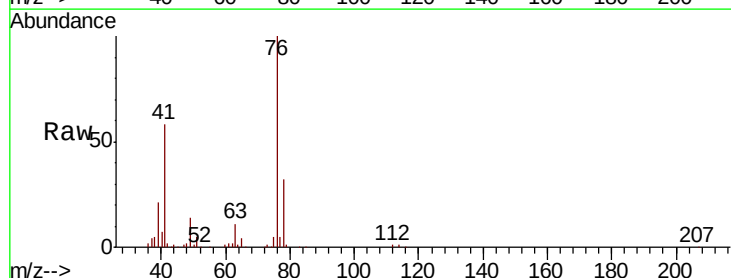
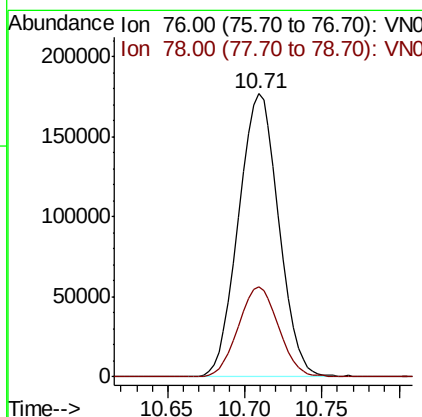
RT: 10.71 min Scan# 2779

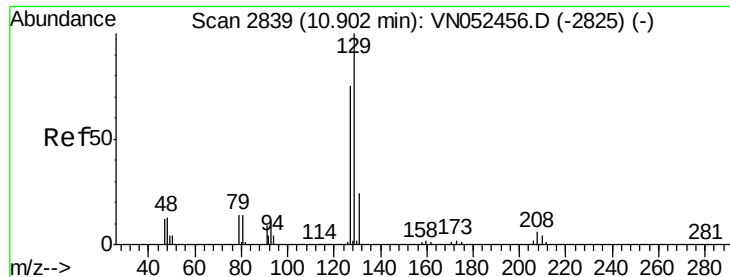
Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	76	Resp:	320823
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	64.8





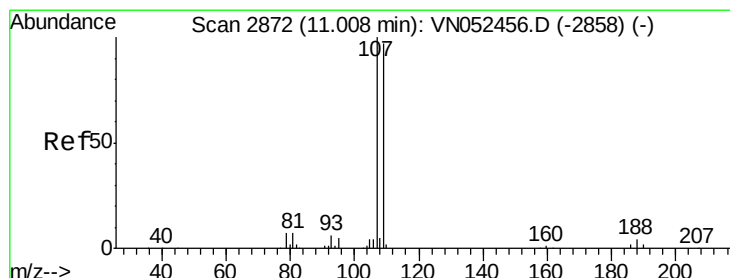
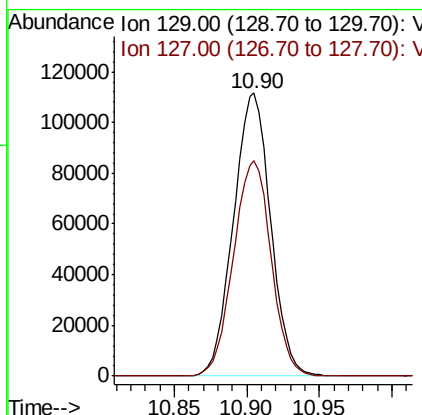
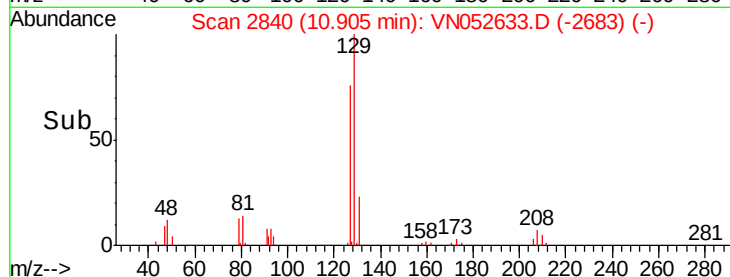
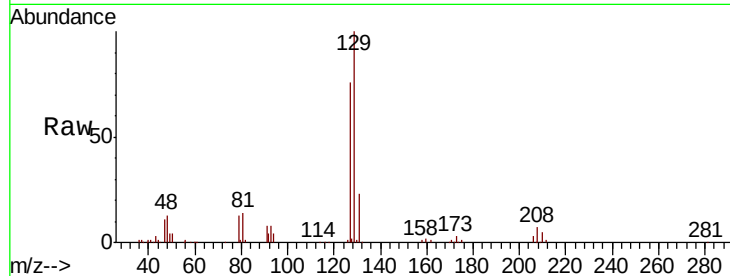
#53
 Dibromochloromethane
 Concen: 20.619 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion:129 Resp: 199625
 Ion Ratio Lower Upper
 129 100
 127 77.0 37.6 112.8

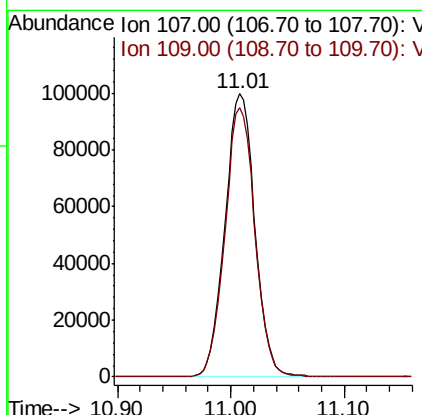
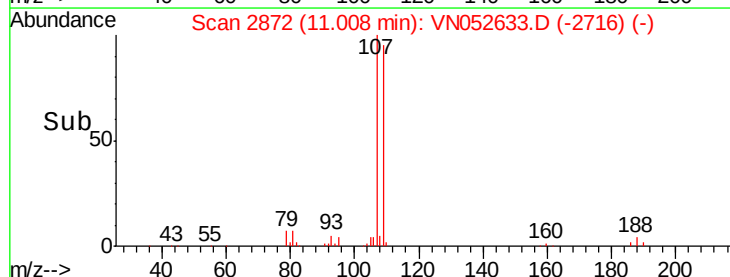
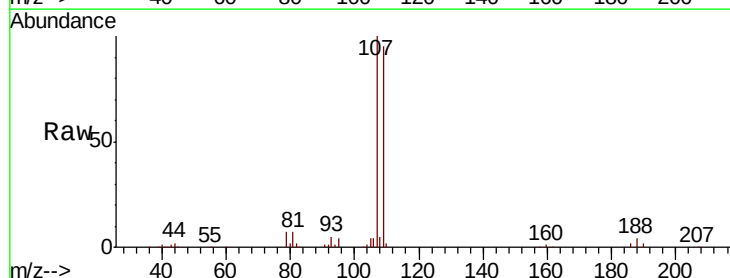
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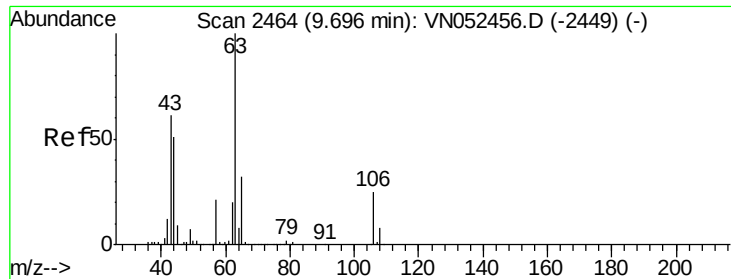
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#54
 1,2-Dibromoethane
 Concen: 21.371 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion:107 Resp: 183642
 Ion Ratio Lower Upper
 107 100
 109 95.1 77.1 115.7





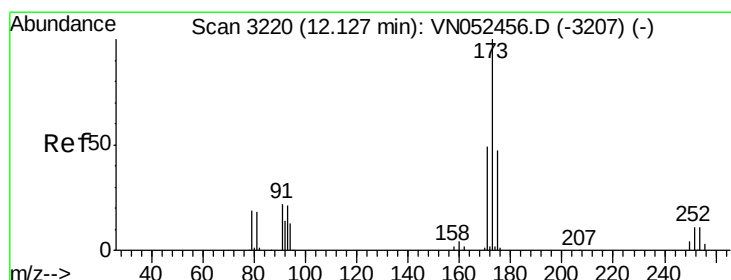
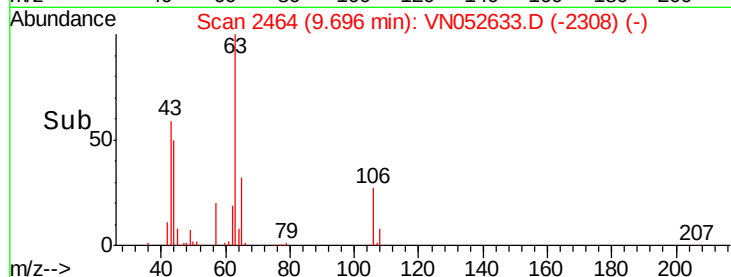
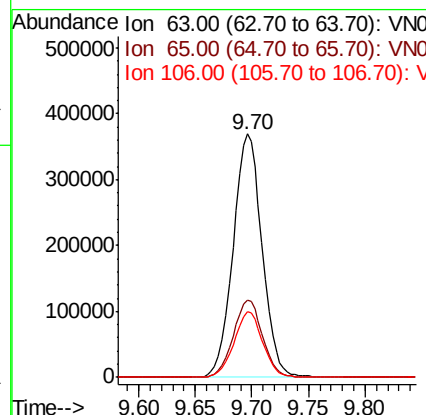
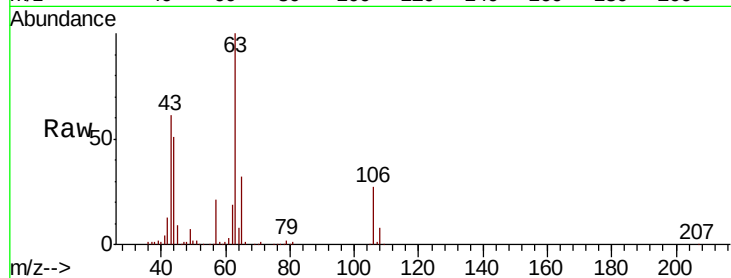
#55
 2-Chloroethyl vinyl ether
 Concen: 101.490 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	26.7	20.4	30.6

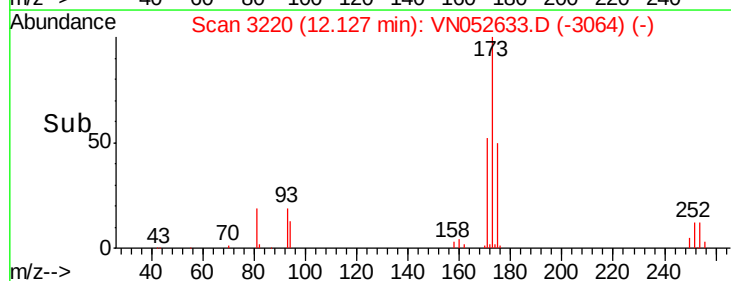
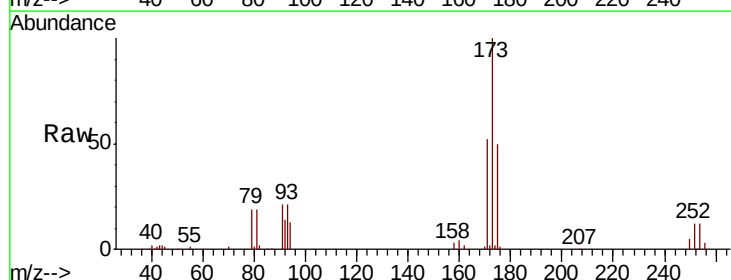
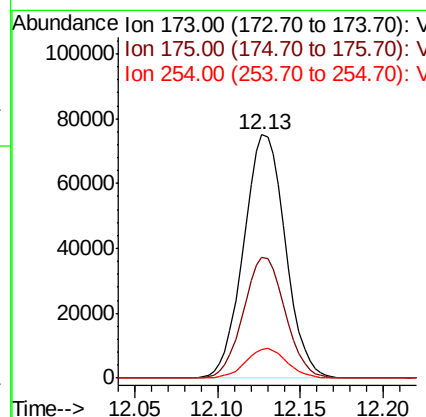
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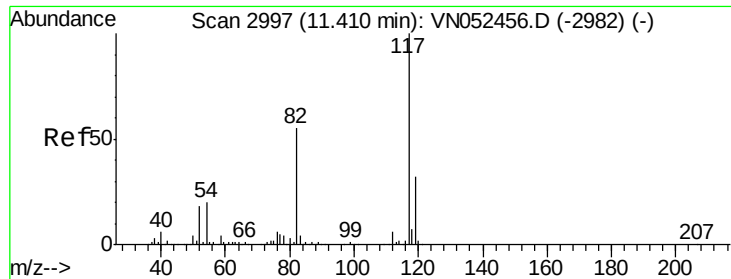
MMDadoda
 12/4/2018 2:56:58 PM



#56
 Bromoform
 Concen: 20.832 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	38.7	58.1
254	11.9	8.4	12.6





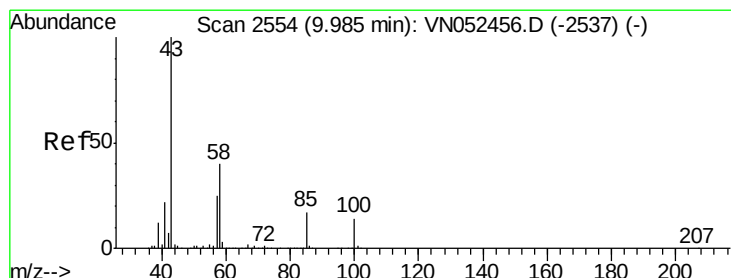
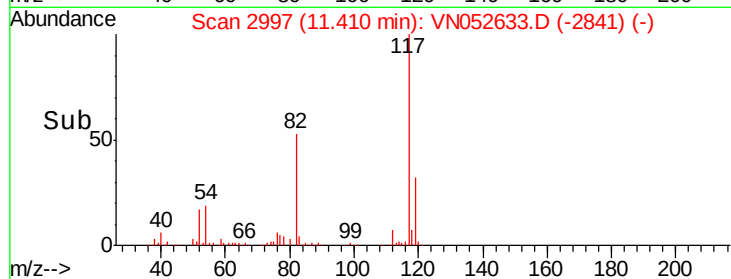
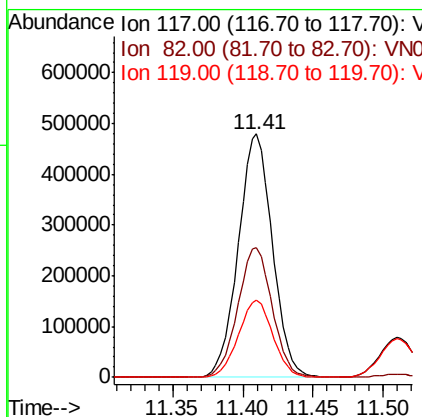
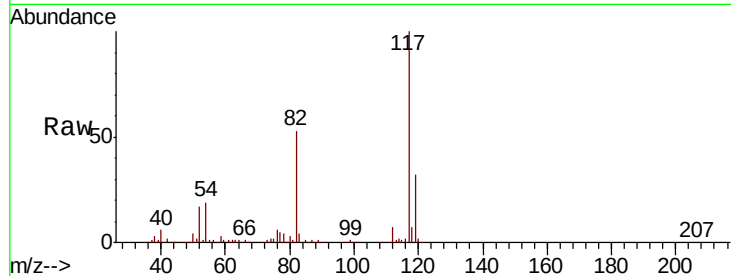
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	813915		
82	53.7		44.2	66.2
119	32.1		25.4	38.2

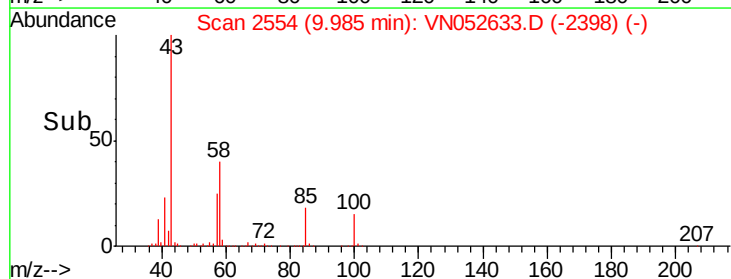
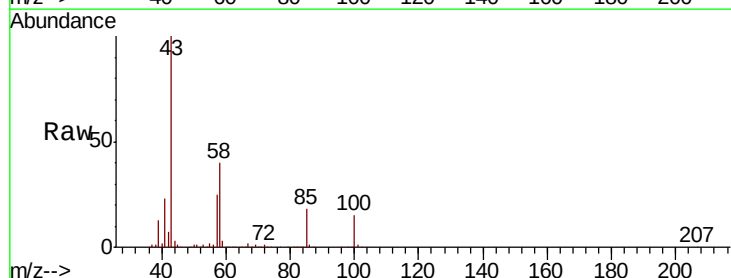
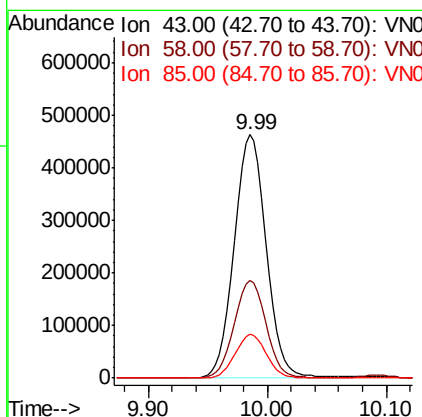
Manual Integrations
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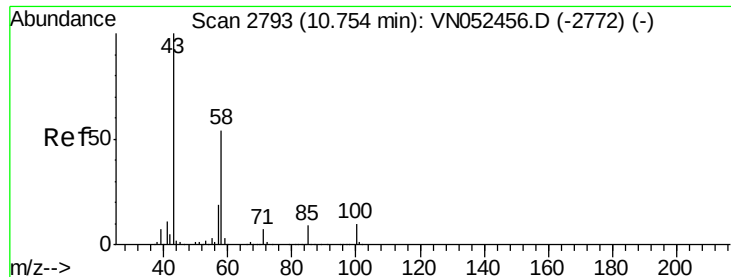
MMDadoda
12/4/2018 2:56:58 PM



#58
4-Methyl-2-Pentanone
Concen: 109.053 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	860504		
58	40.1		31.6	47.4
85	17.7		13.3	19.9





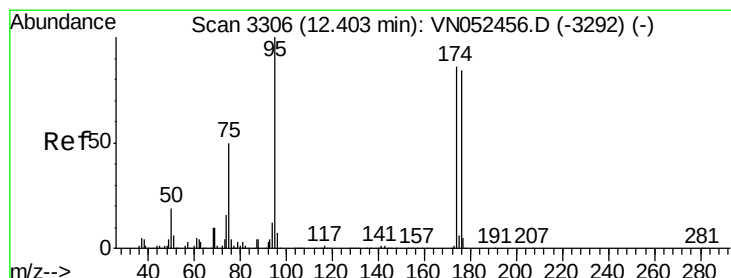
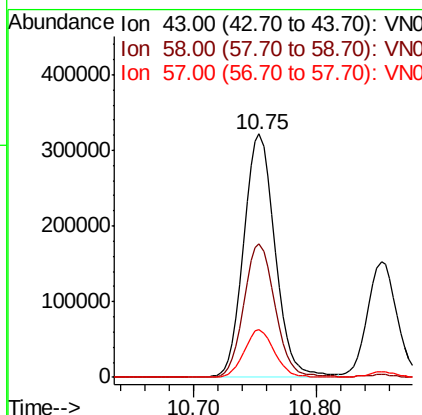
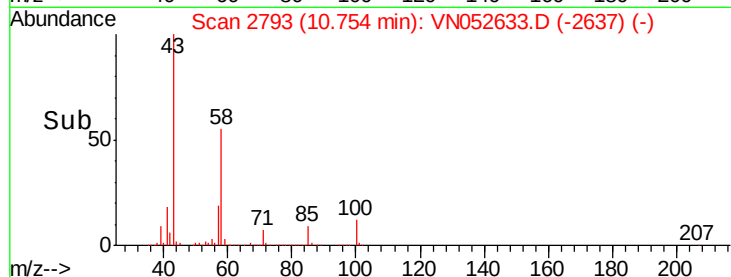
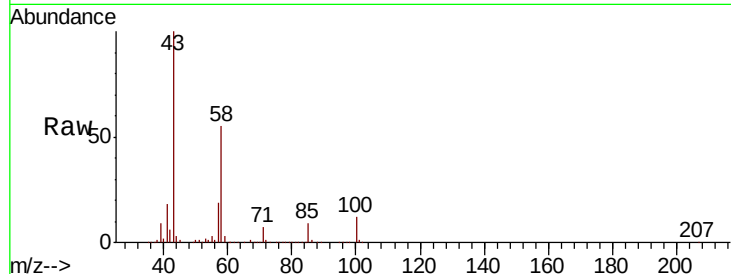
#59
2-Hexanone
Concen: 104.907 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	43.2	64.8
57	19.2	14.9	22.3

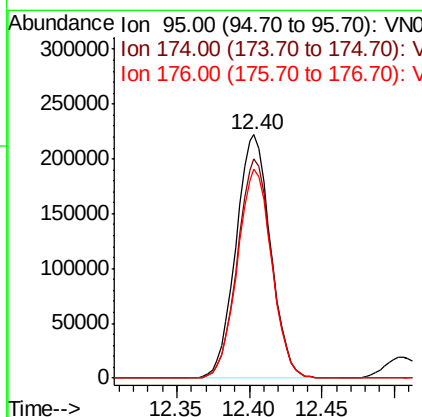
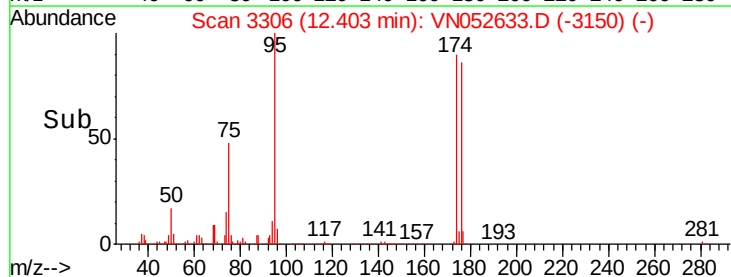
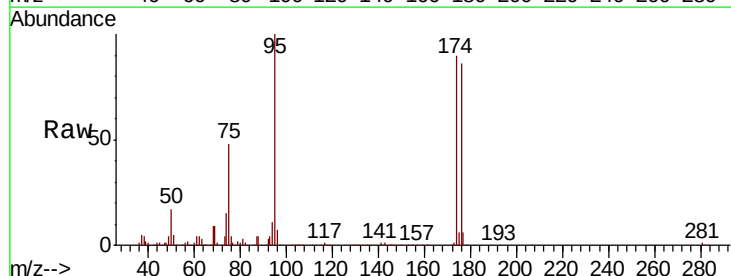
Manual Integrations
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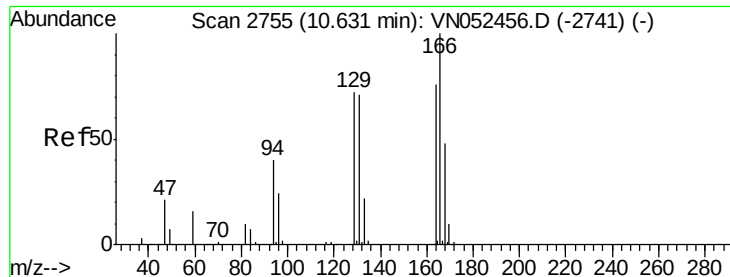
MMDadoda
12/4/2018 2:56:58 PM



#60
4-Bromofluorobenzene
Concen: 104.907 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	67.9	101.9
176	85.5	66.4	99.6





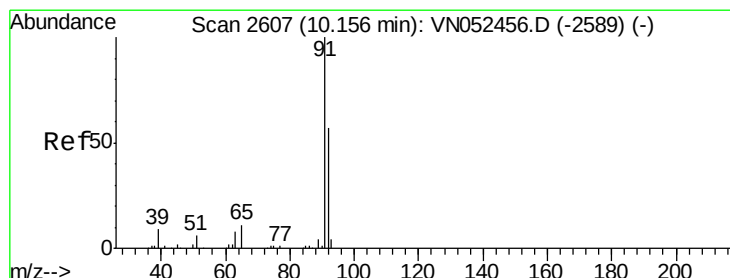
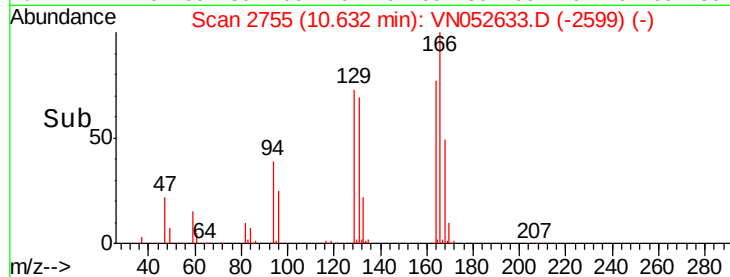
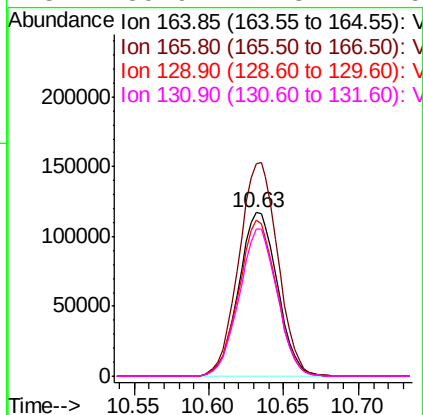
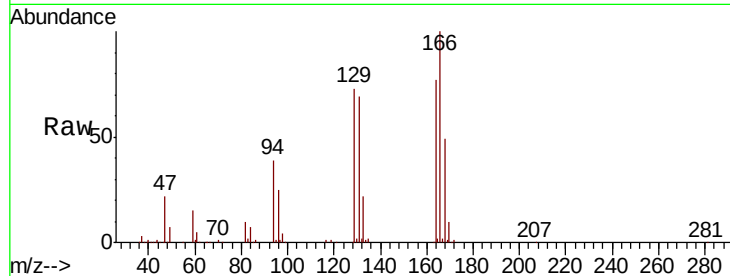
#61
Tetrachloroethene
Concen: 21.053 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.1	104.6	157.0
129	95.2	75.3	112.9
131	89.9	74.3	111.5

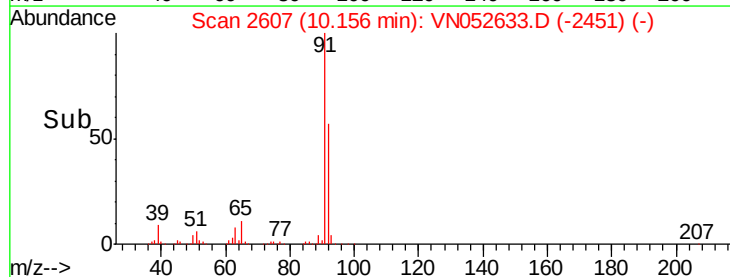
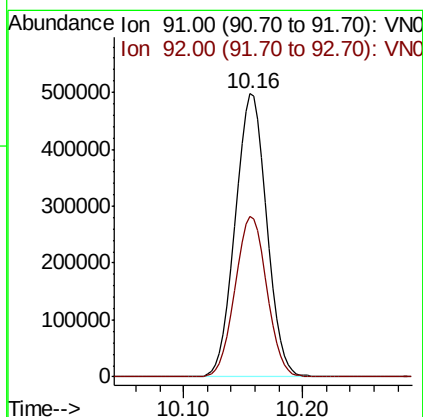
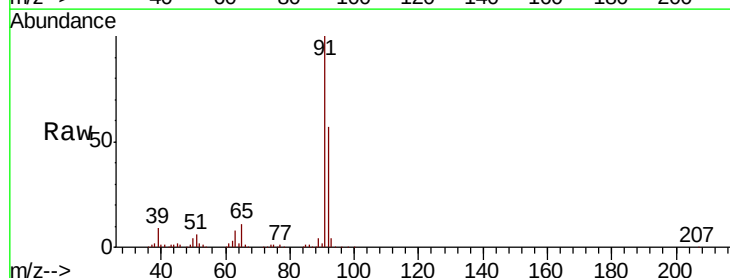
Manual Integrations
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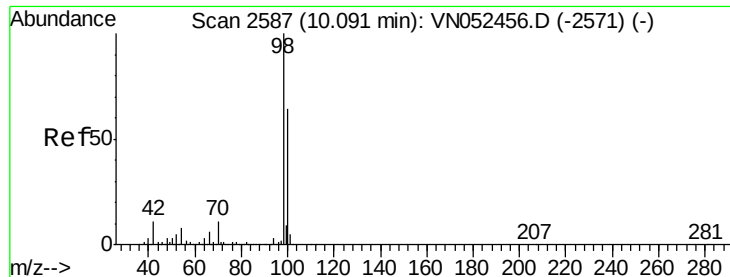
MMDadoda
12/4/2018 2:56:58 PM



#62
Toluene
Concen: 20.353 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.4	68.2





#63

Toluene-d8

Concen: 20.353 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion: 98 Resp: 1113109

Ion Ratio Lower Upper

98 100

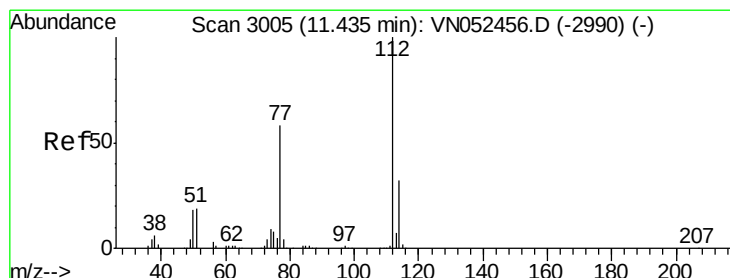
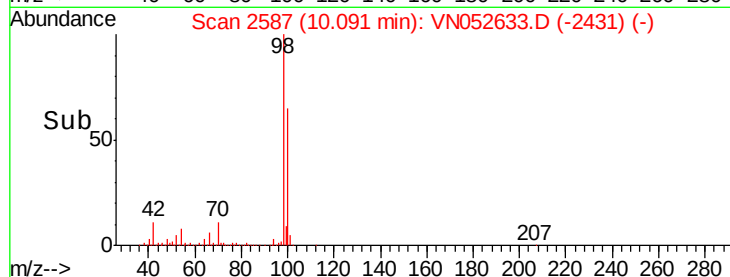
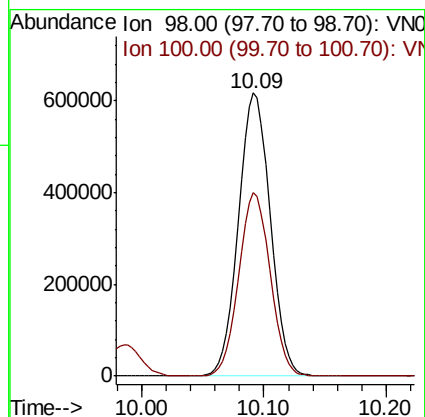
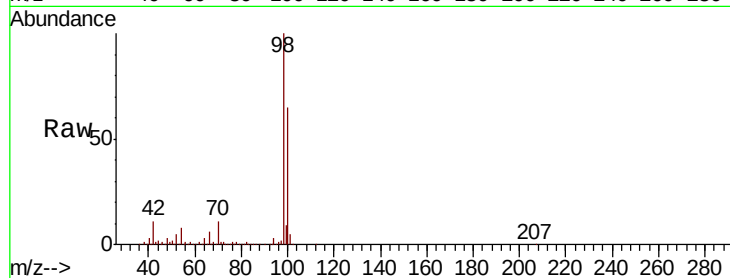
100 63.6 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 20.419 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052633.D

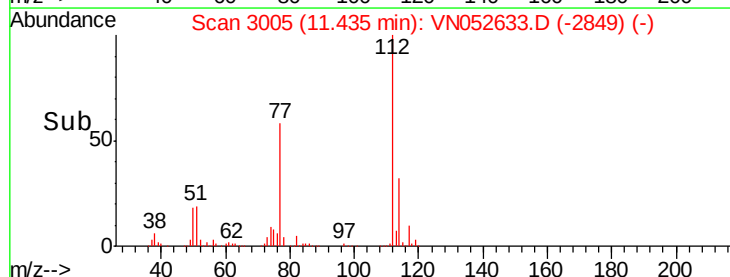
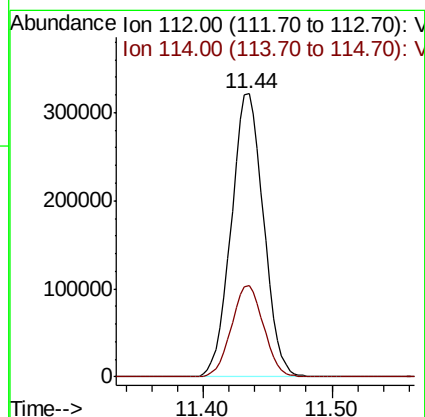
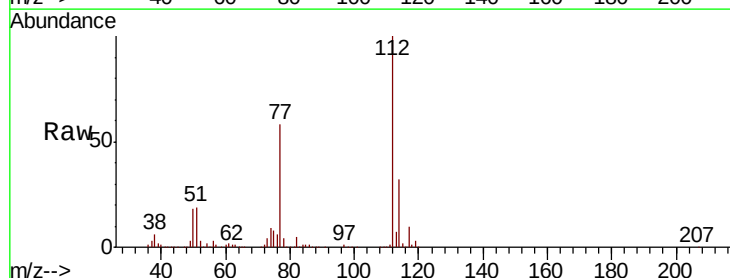
Acq: 3 Dec 2018 16:02

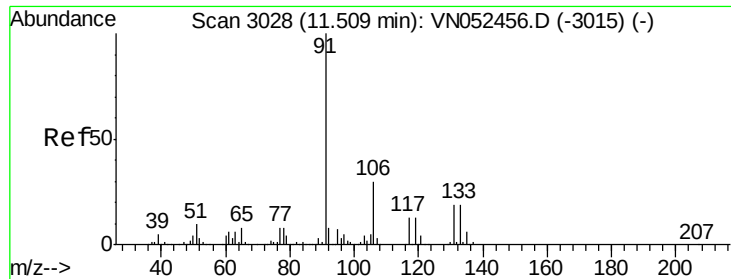
Tgt Ion: 112 Resp: 559217

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.861 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

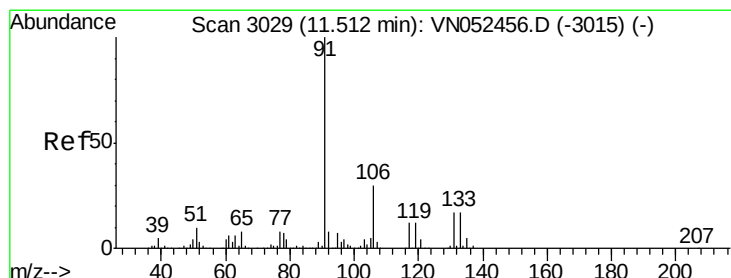
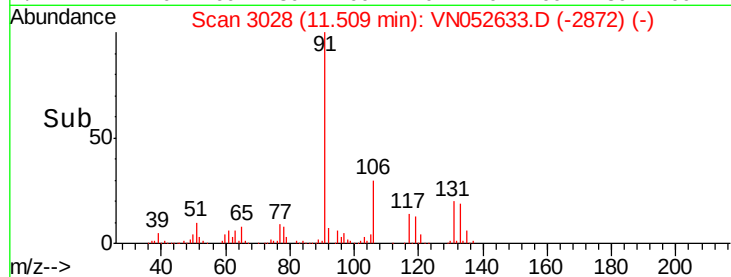
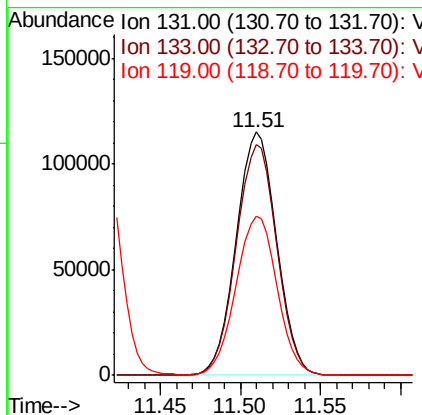
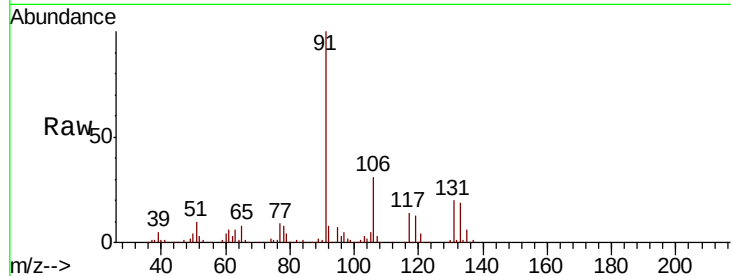
ClientSampleId :

VN1203WBSD02

Tot Ion:	131	Resp:	198306
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	193.4
119	66.8	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.129 ug/l

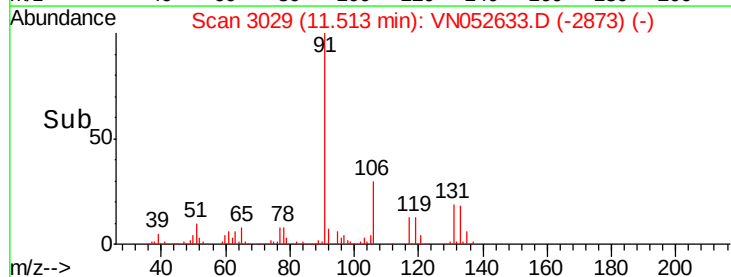
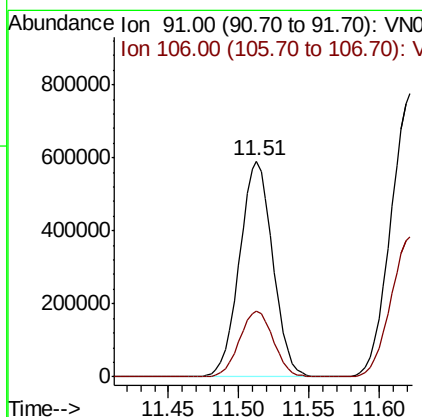
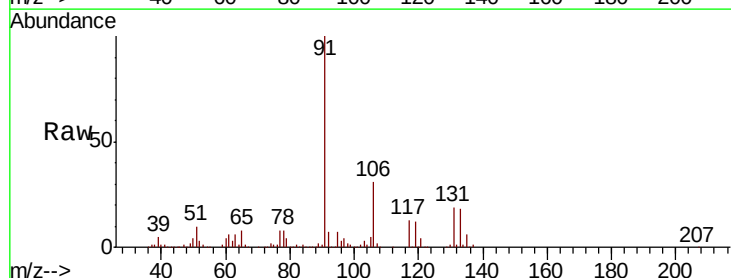
RT: 11.51 min Scan# 3029

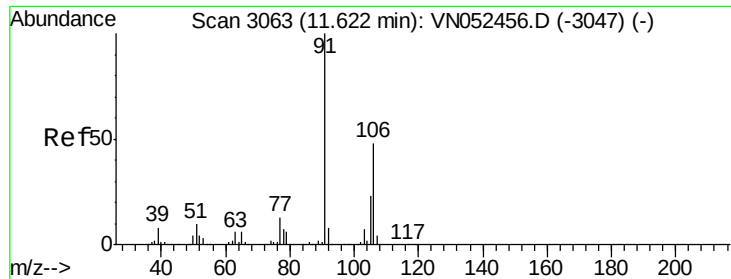
Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	91	Resp:	973394
Ion Ratio	Lower	Upper	
91	100		
106	30.7	24.3	36.5





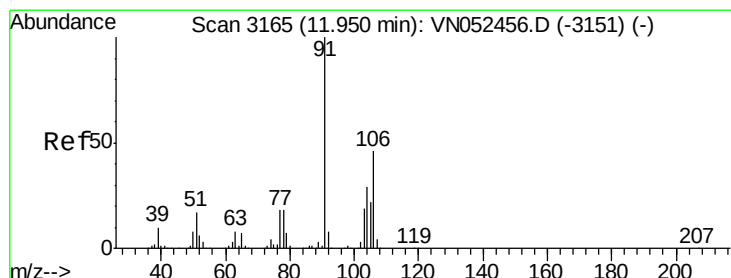
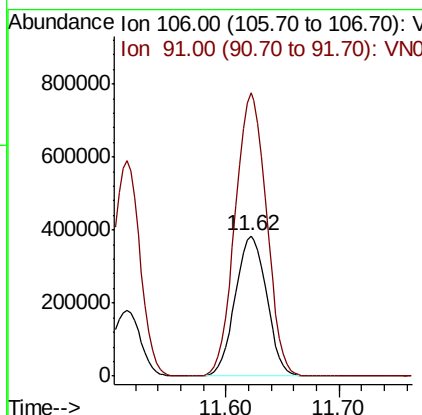
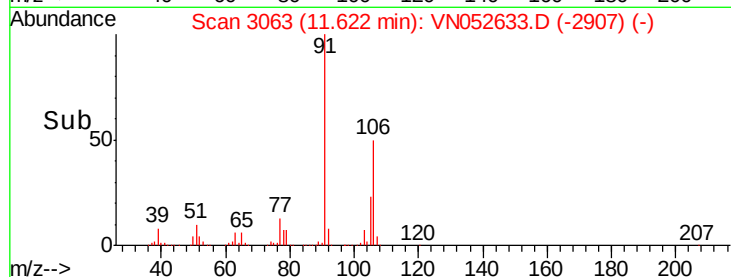
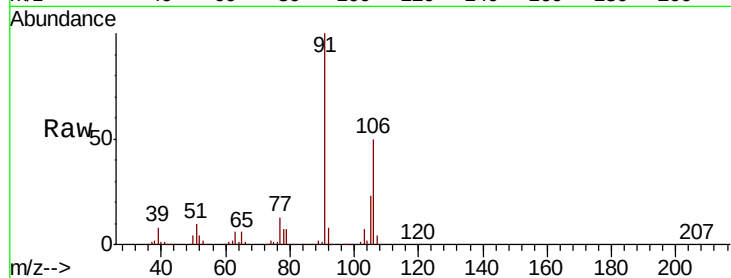
#67
m/p-Xylenes
Concen: 41.251 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampled :
VN1203WBSD02

Tot Ion:106 Resp: 743184
Ion Ratio Lower Upper
106 100
91 201.6 163.9 245.9

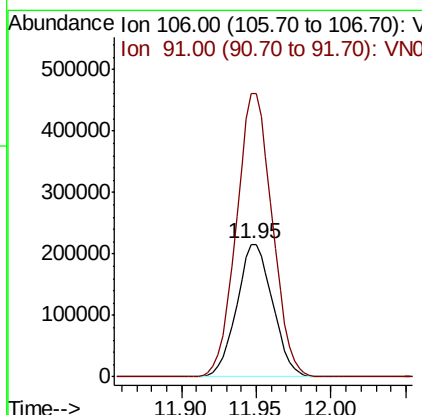
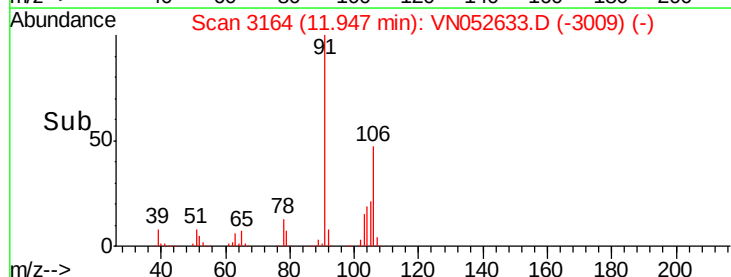
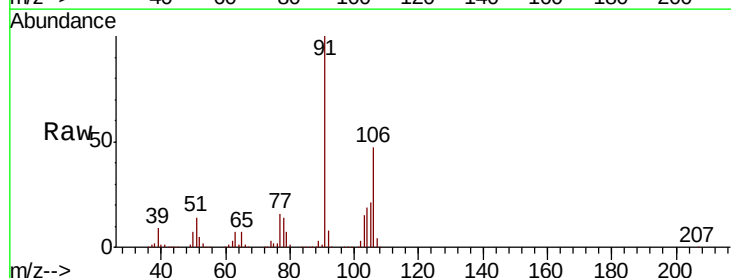
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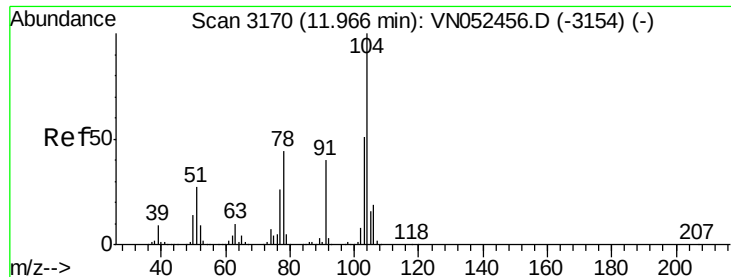
MMDadoda
12/4/2018 2:56:58 PM



#68
o-Xylene
Concen: 20.615 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion:106 Resp: 360486
Ion Ratio Lower Upper
106 100
91 213.4 107.8 323.4





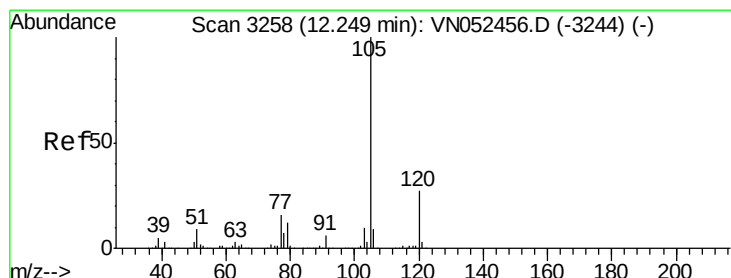
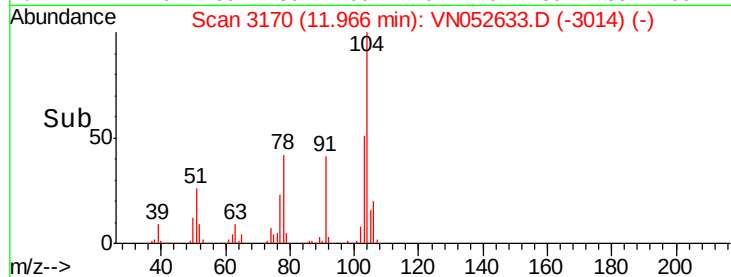
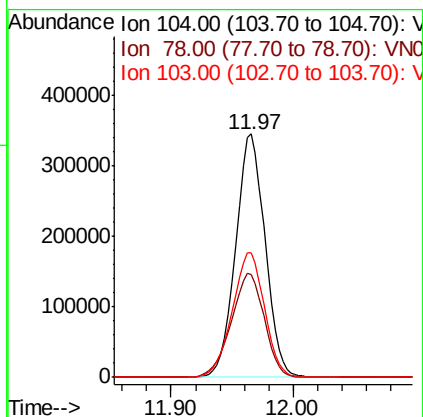
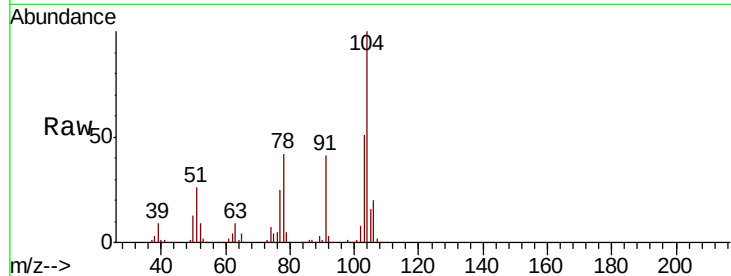
#69
Stvrene
Concen: 20.378 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
104	100	575150		
78	48.1		39.3	58.9
103	56.2		44.6	66.8

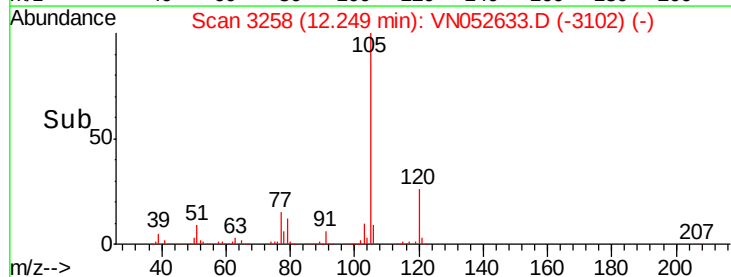
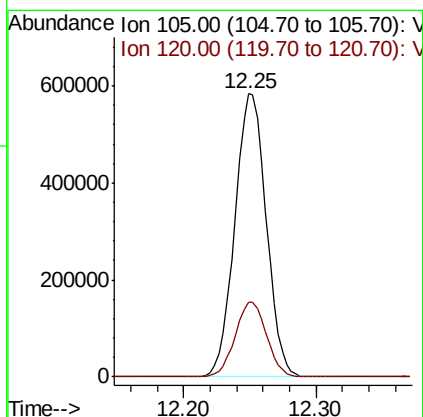
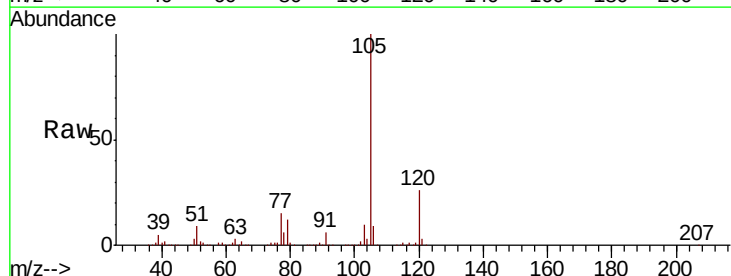
Manual Integrations
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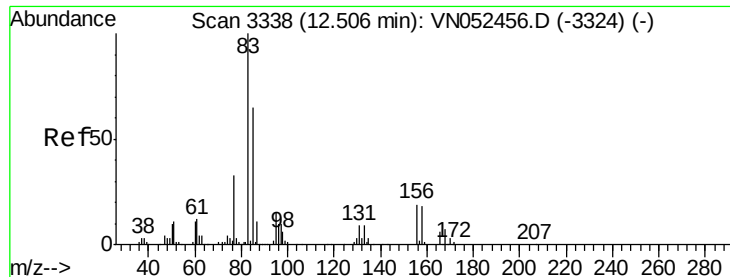
MMDadoda
12/4/2018 2:56:58 PM



#70
Isopropylbenzene
Concen: 20.591 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052633.D
Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	958006		
120	26.4		18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 22.077 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

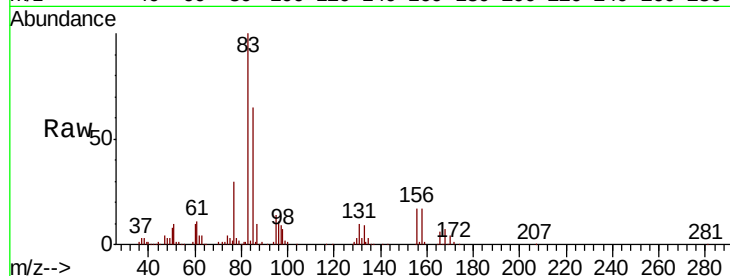
VN1203WBSD02

Tot Ion: 83 Resp: 223435
Ion Ratio Lower Upper

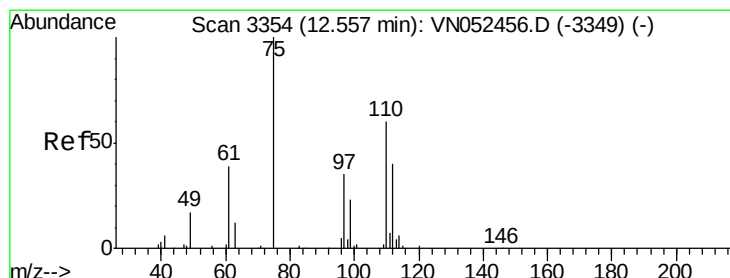
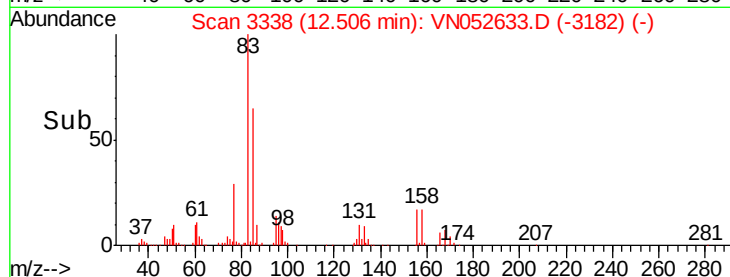
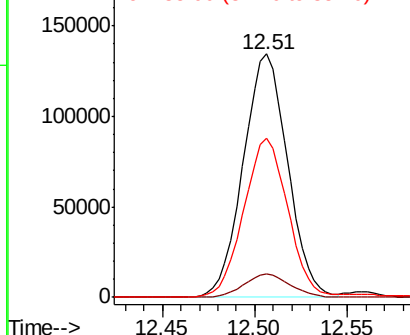
83	100		
131	9.9	4.9	14.6
85	64.8	32.2	96.6

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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 20.234 ug/l m

RT: 12.55 min Scan# 3353

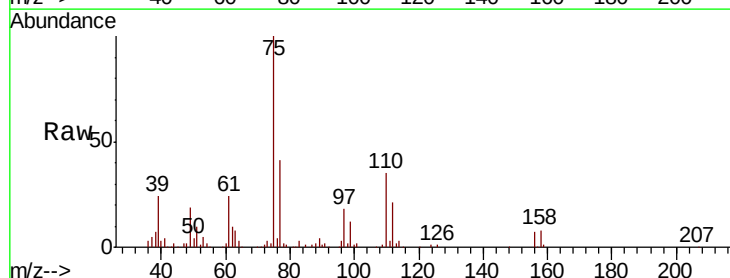
Delta R.T. -0.00 min

Lab File: VN052633.D

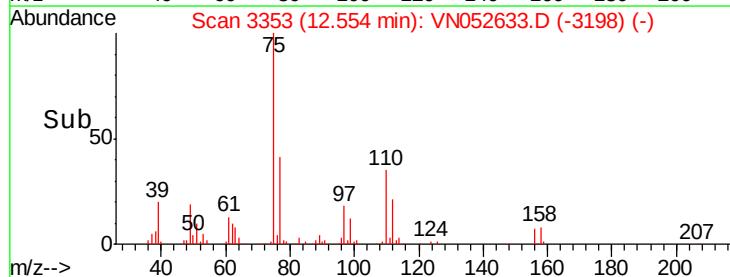
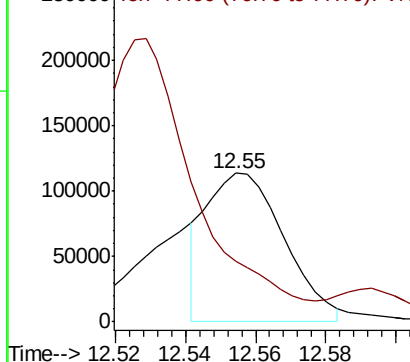
Acq: 3 Dec 2018 16:02

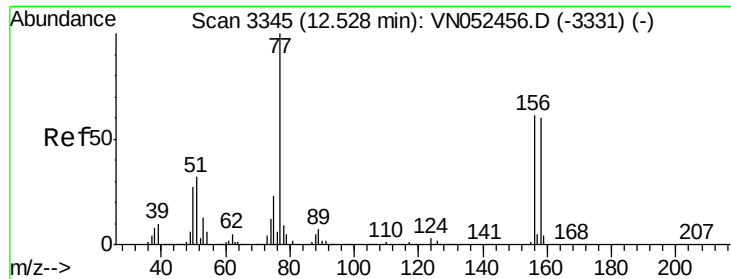
Tgt Ion: 75 Resp: 175791
Ion Ratio Lower Upper

75	100		
77	246.2	0.0	514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.872 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

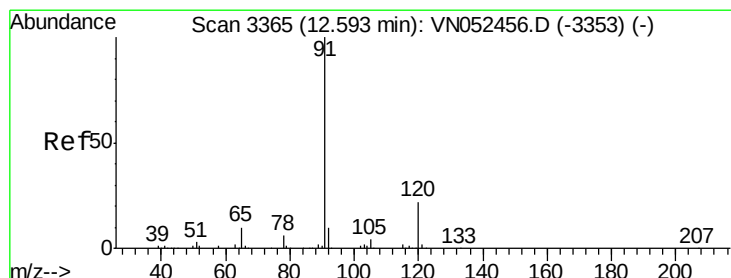
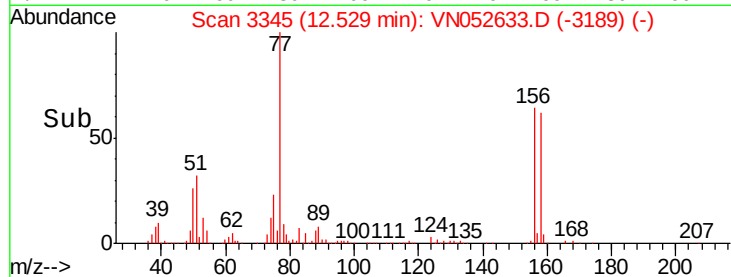
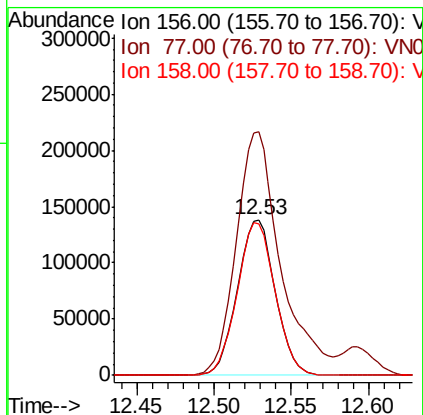
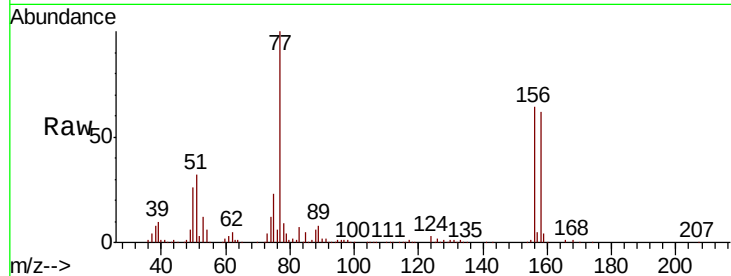
ClientSampleId :

VN1203WBSD02

Tot Ion:	156	Resp:	234864
Ion Ratio	Lower	Upper	
156	100		
77	184.3	0.0	382.6
158	98.6	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.913 ug/l

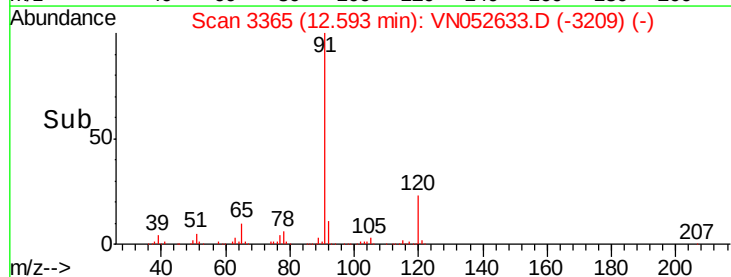
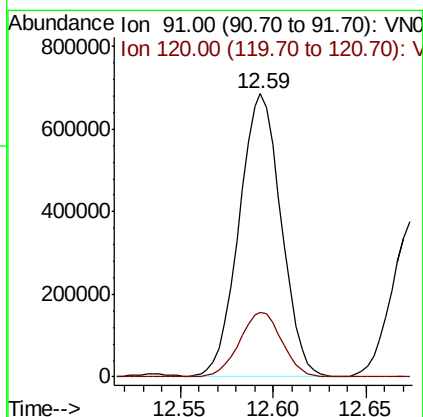
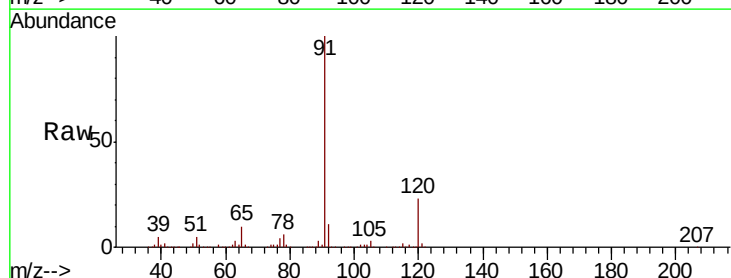
RT: 12.59 min Scan# 3365

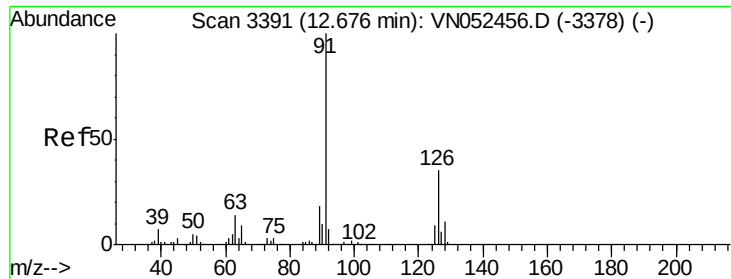
Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	91	Resp:	1079486
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.263 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD02

Tot Ion: 91 Resp: 637594

Ion Ratio Lower Upper

91 100

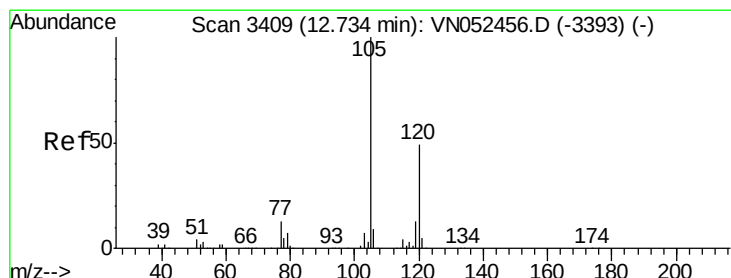
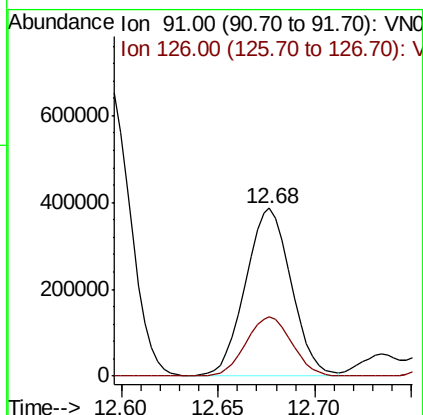
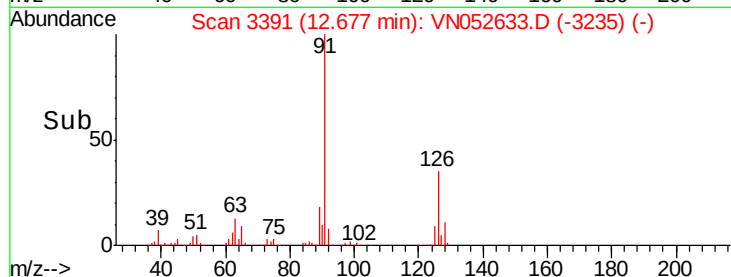
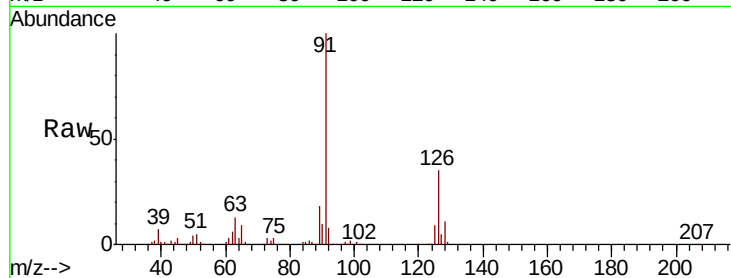
126 35.4 0.0 68.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.585 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052633.D

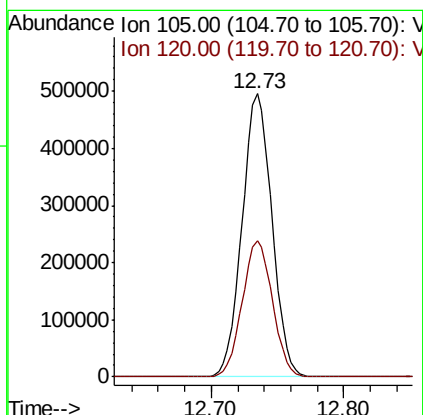
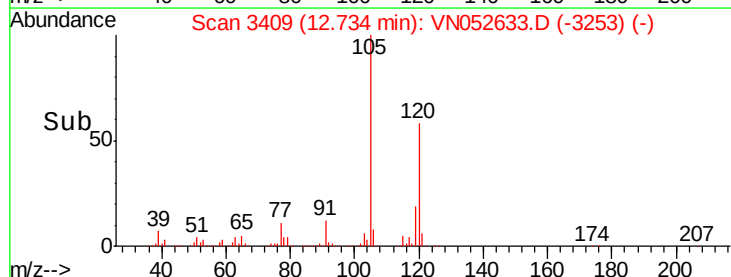
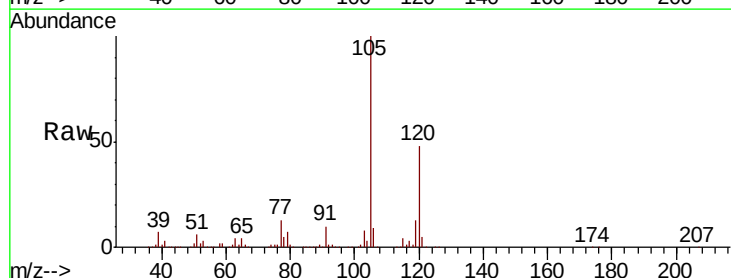
Acq: 3 Dec 2018 16:02

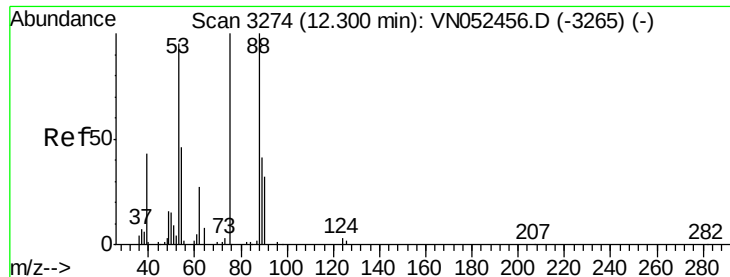
Tgt Ion: 105 Resp: 773574

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.577 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

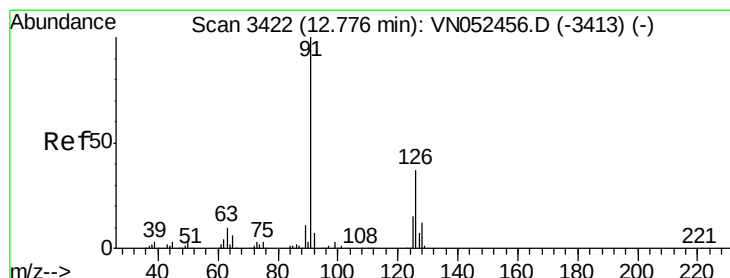
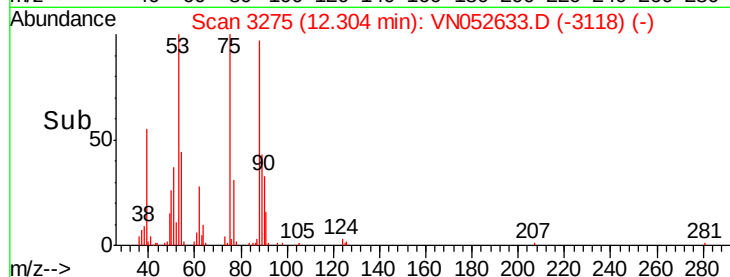
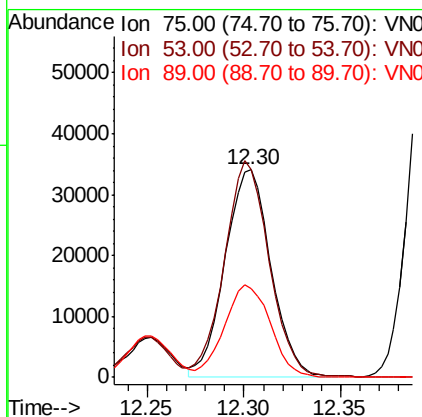
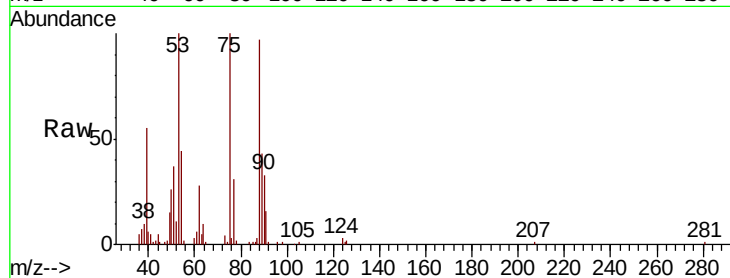
ClientSampleId :

VN1203WBSD02

Tot Ion:	75	Resp:	56475
Ion	Ratio	Lower	Upper
75	100		
53	100.4	48.5	145.6
89	43.1	21.7	65.1

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#78

4-Chlorotoluene

Concen: 20.064 ug/l

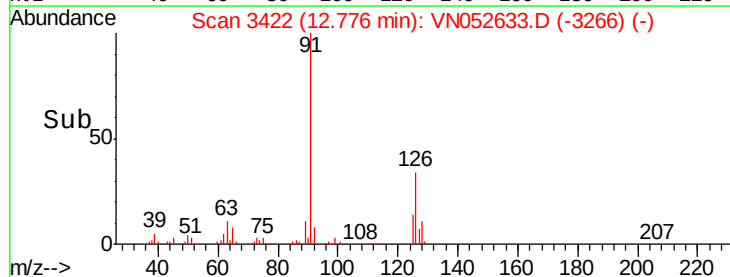
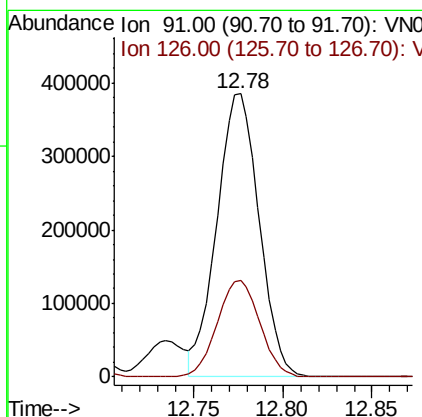
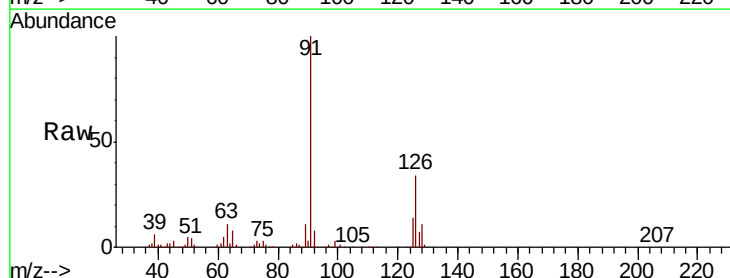
RT: 12.78 min Scan# 3422

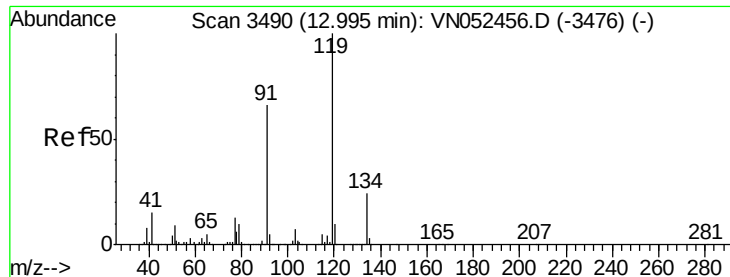
Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	91	Resp:	630455
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.2





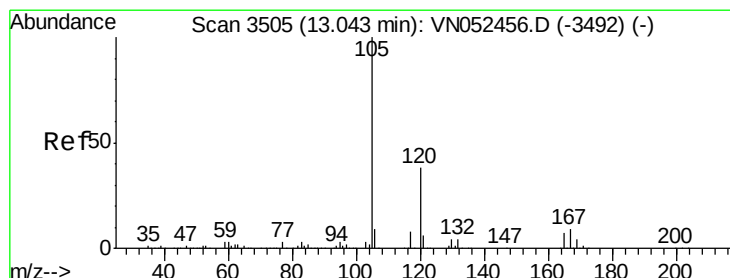
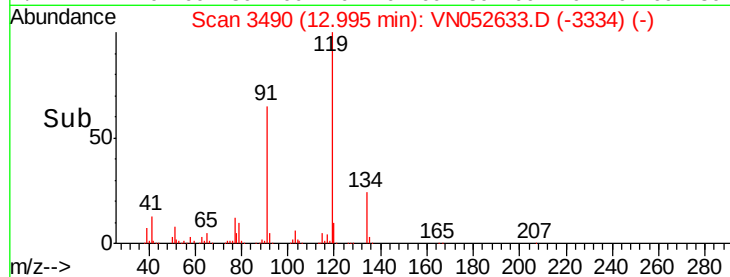
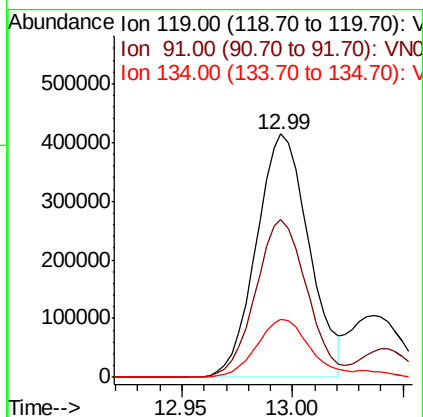
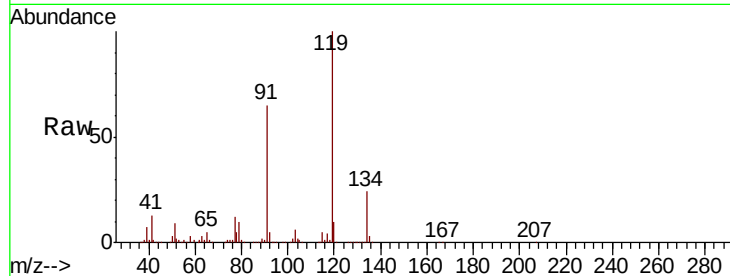
#79
 tert-butylbenzene
 Concen: 20.953 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	685718		
91	63.3	0.0	129.8	
134	24.0	0.0	52.2	

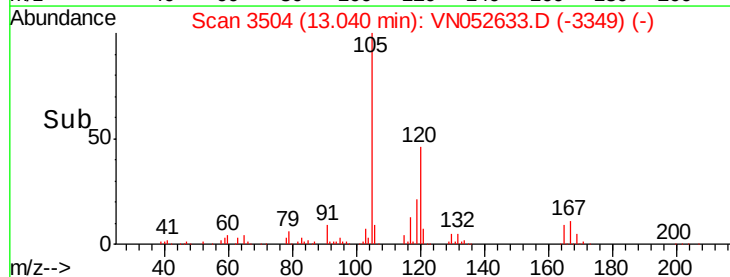
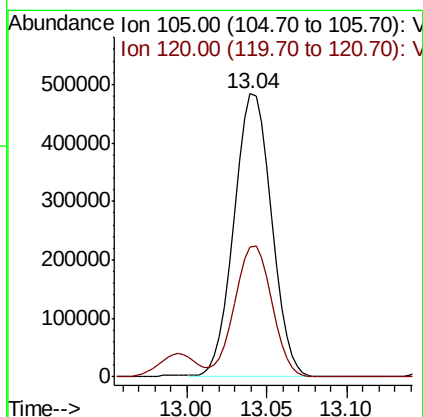
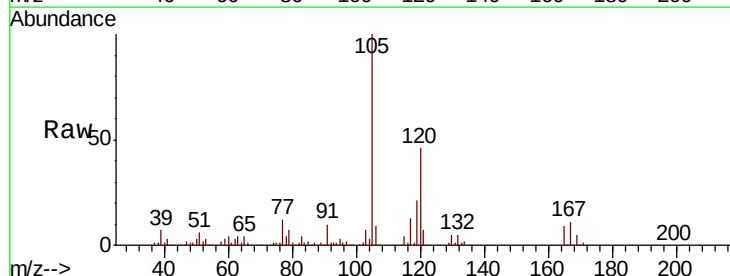
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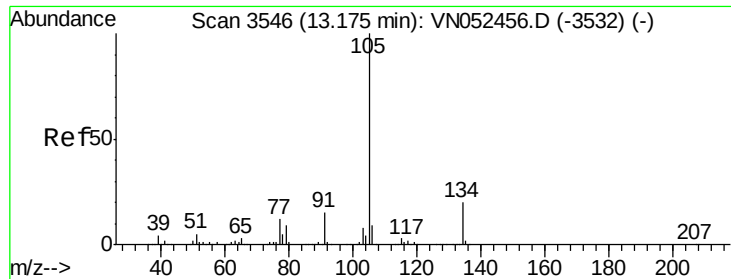
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#80
 1,2,4-Trimethylbenzene
 Concen: 20.585 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	774061		
120	46.0	0.0	91.0	





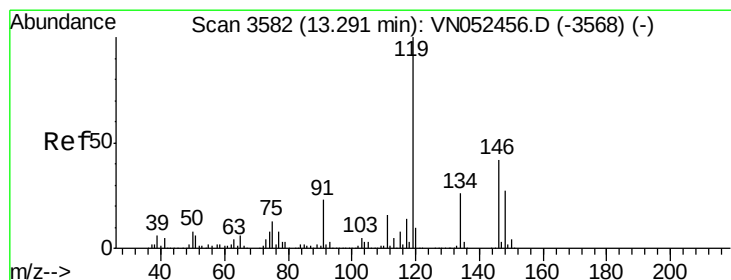
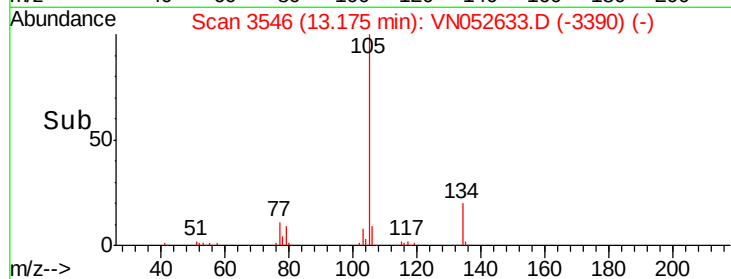
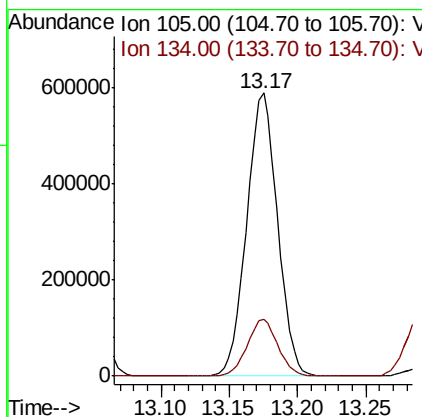
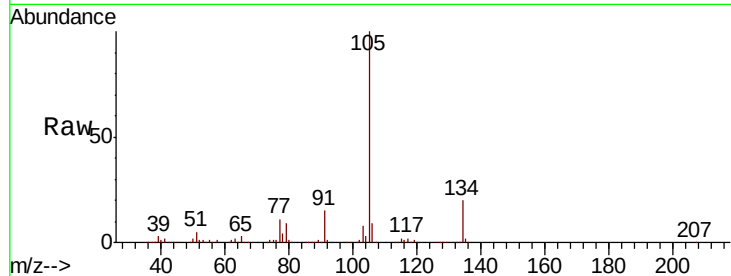
#81
 sec-Butylbenzene
 Concen: 20.267 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	0.0	40.4

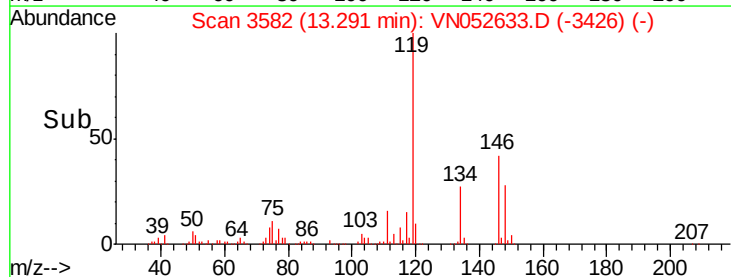
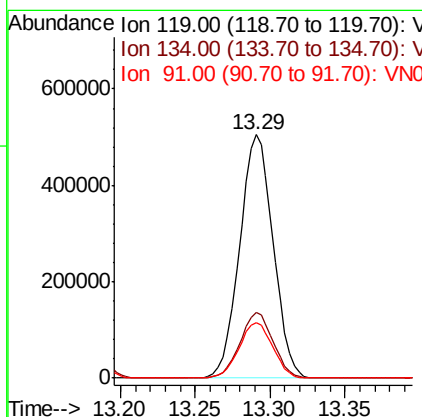
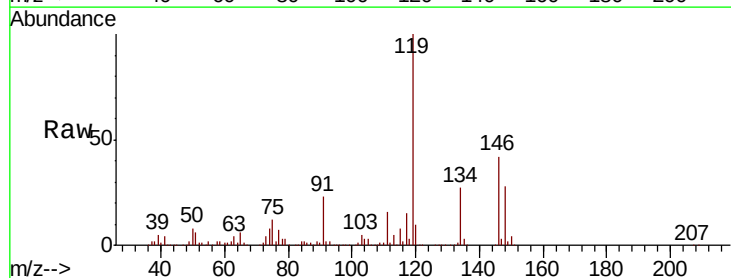
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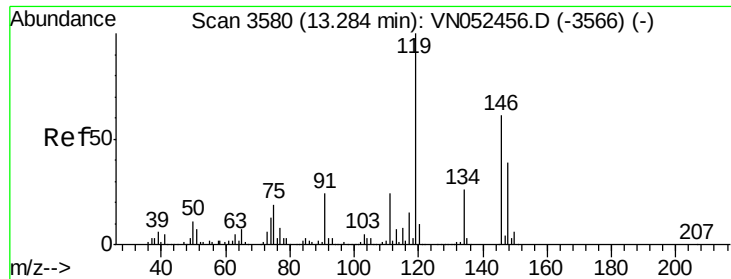
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#82
 p-Isopropyltoluene
 Concen: 20.227 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.6
91	22.8	0.0	46.2





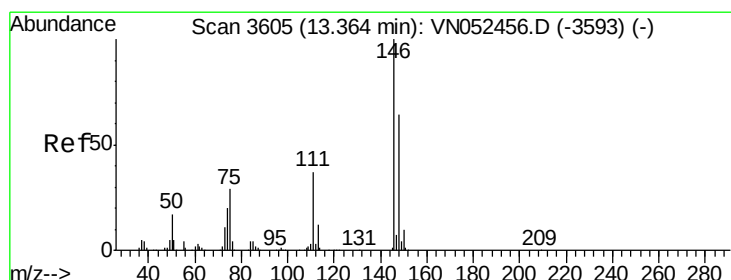
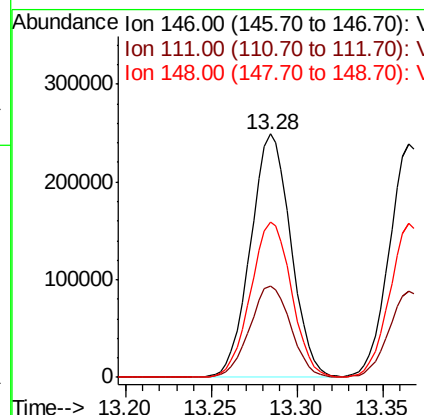
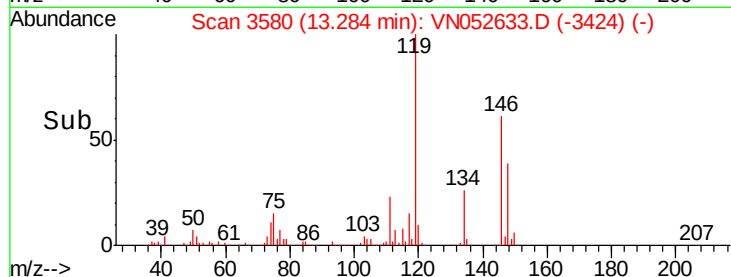
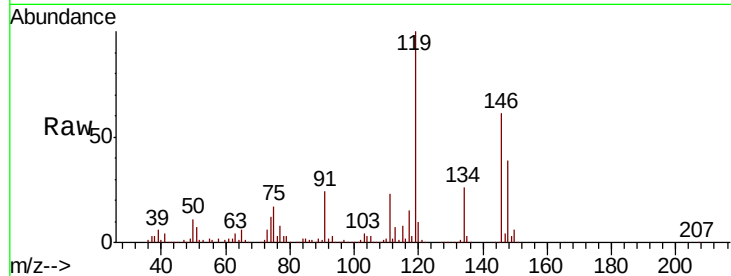
#83
 1,3-Dichlorobenzene
 Concen: 20.429 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.0
148	65.0	32.3	96.8

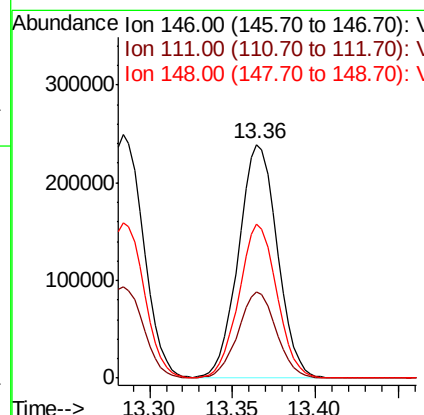
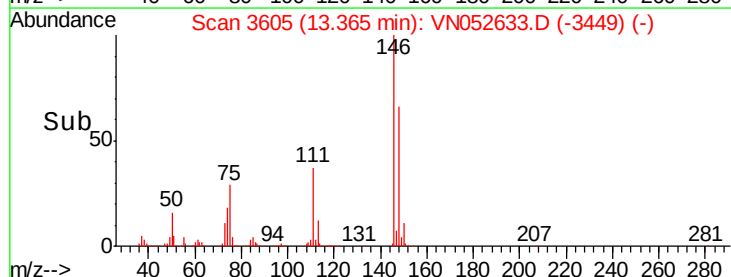
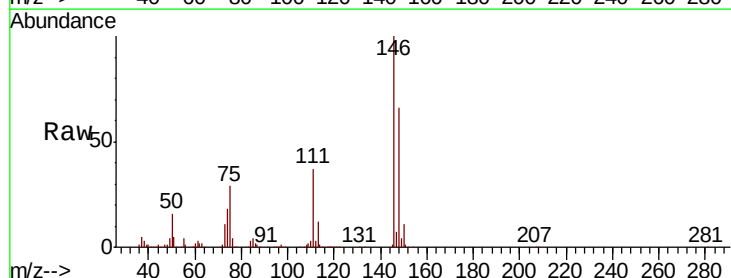
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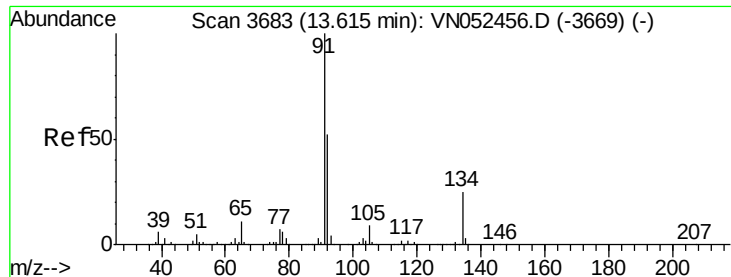
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#84
 1,4-Dichlorobenzene
 Concen: 20.349 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.8	56.3
148	64.5	32.5	97.4





#85

n-Butylbenzene

Concen: 19.071 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

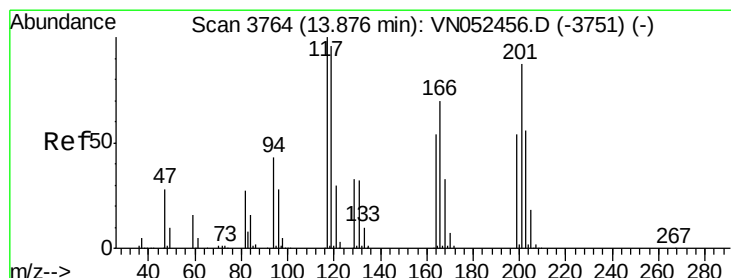
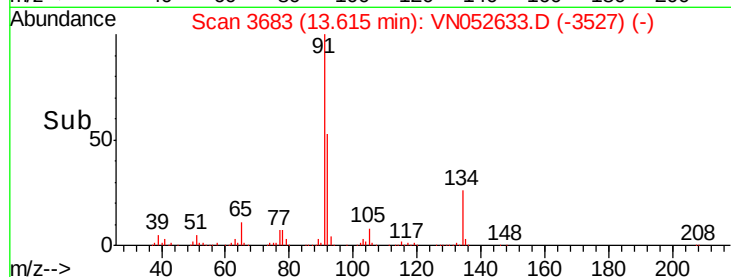
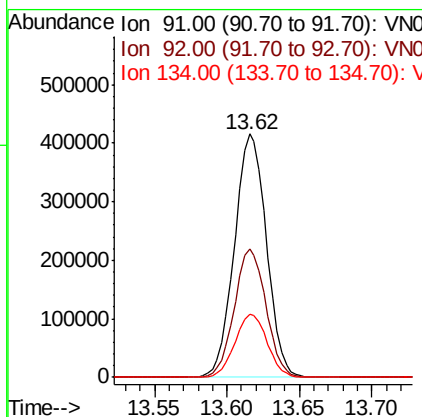
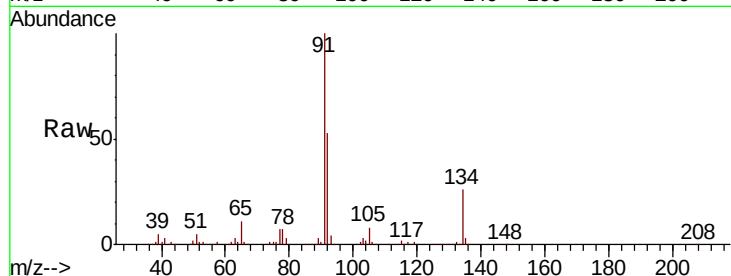
ClientSampleId :

VN1203WBSD02

Tot Ion:	91	Resp:	635866
Ion	Ratio	Lower	Upper
91	100		
92	52.3	0.0	104.2
134	26.1	0.0	50.6

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#86

Hexachloroethane

Concen: 19.710 ug/l

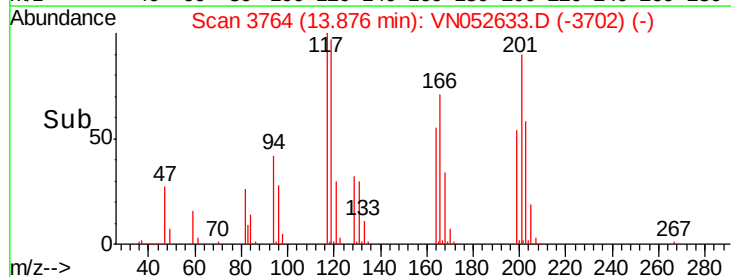
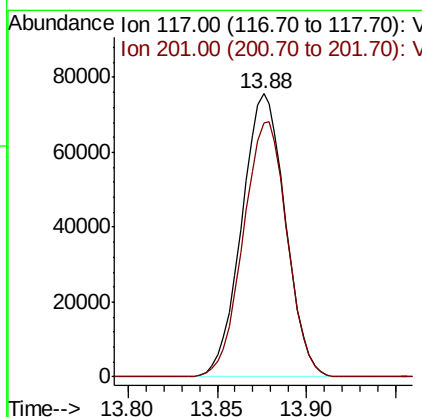
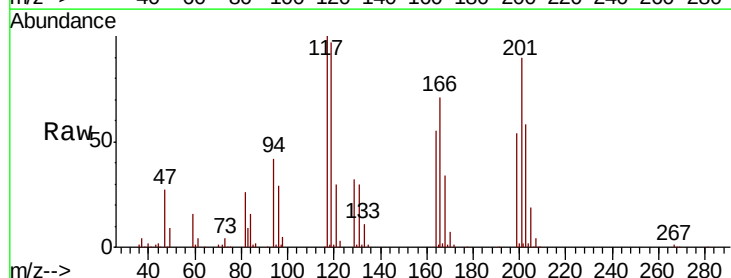
RT: 13.88 min Scan# 3764

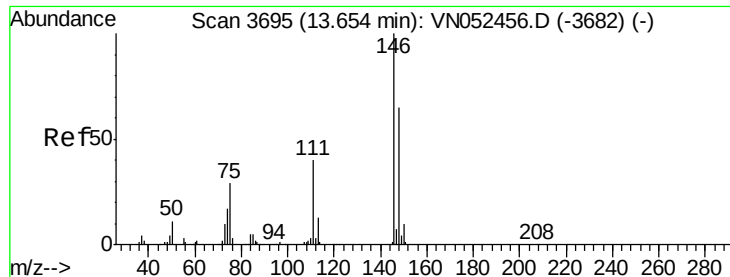
Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	117	Resp:	129629
Ion	Ratio	Lower	Upper
117	100		
201	90.4	43.8	131.3





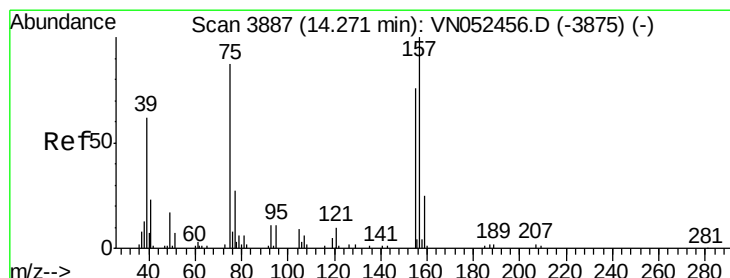
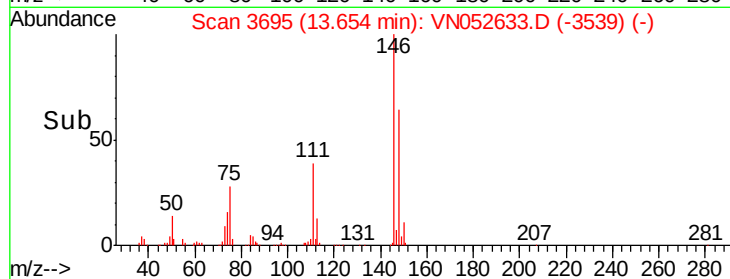
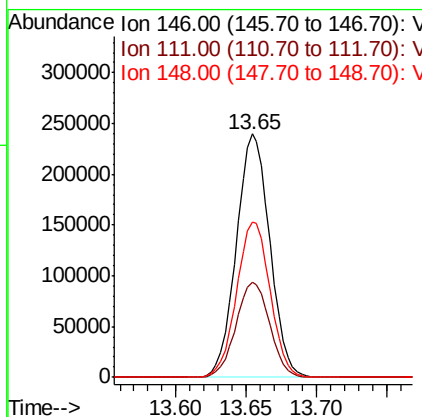
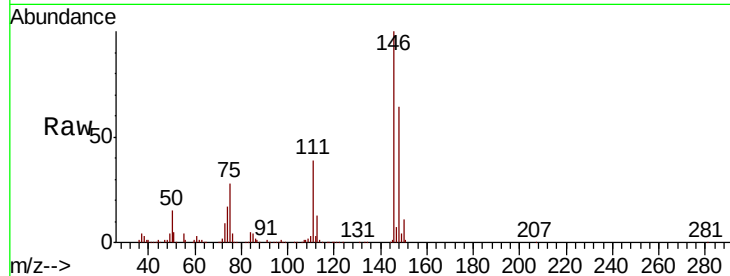
#87
 1,2-Dichlorobenzene
 Concen: 21.114 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.8
148	64.2	32.1	96.5

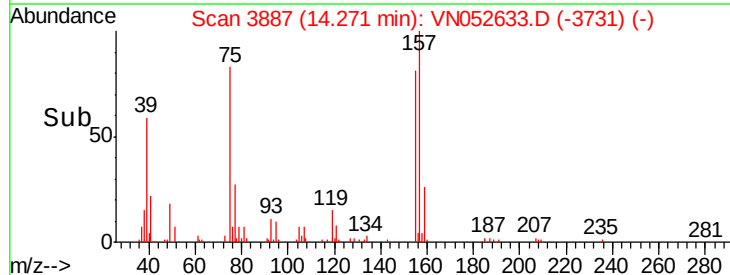
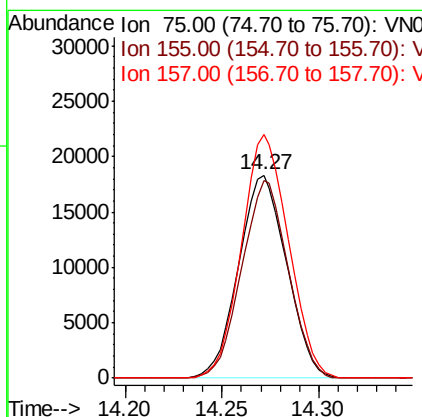
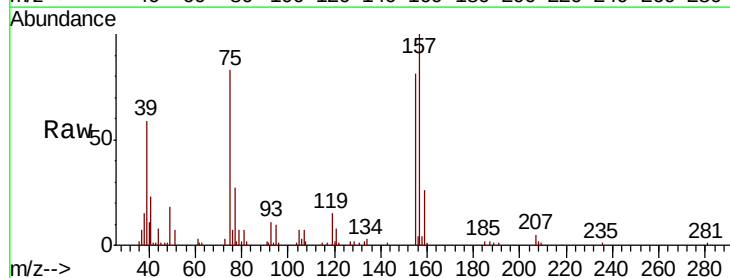
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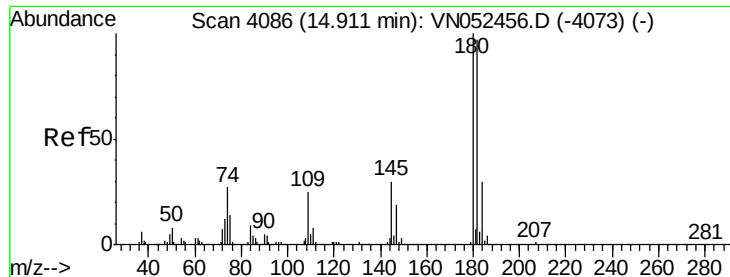
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.311 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052633.D
 Acq: 3 Dec 2018 16:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	72.2	108.2
157	117.2	94.2	141.2





#89

1,2,4-Trichlorobenzene

Concen: 20.823 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

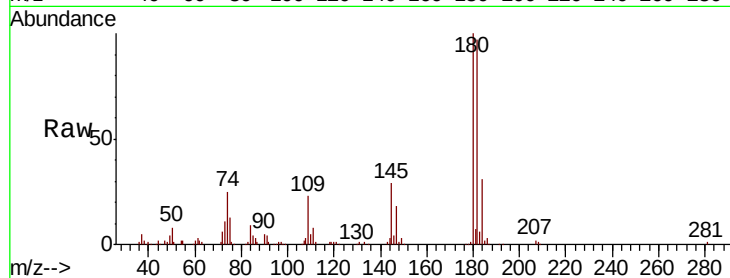
ClientSampleId :

VN1203WBSD02

Tot Ion:	180	Resp:	193211
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.6	114.8
145	28.5	23.6	35.4

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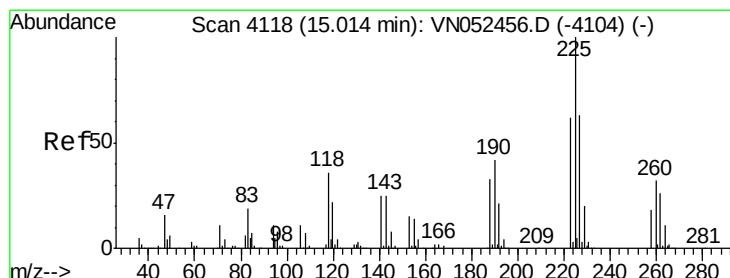
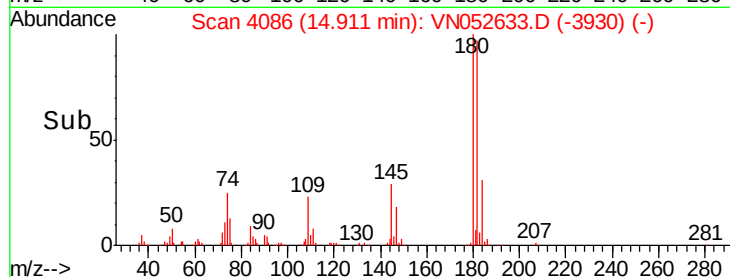
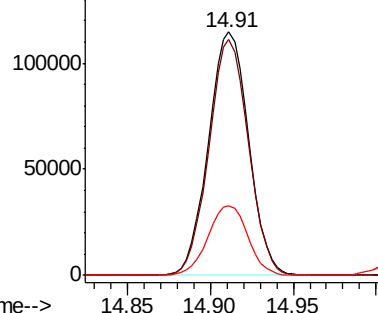


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 20.403 ug/l

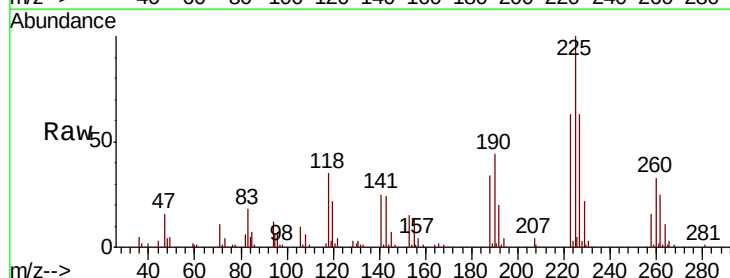
RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	225	Resp:	124190
Ion Ratio	Lower	Upper	
225	100		
223	62.5	0.0	125.6
227	64.6	0.0	127.8

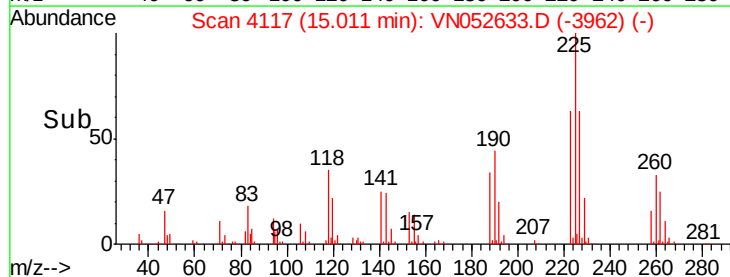
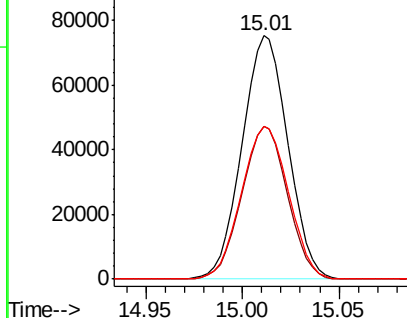


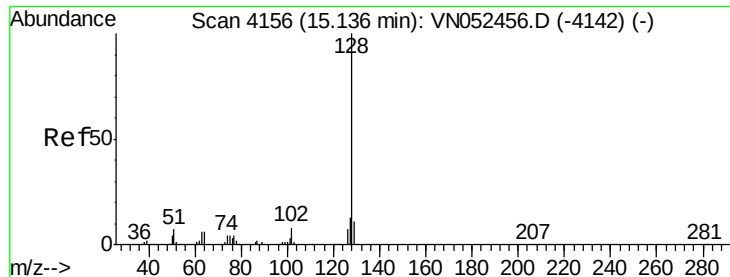
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 21.802 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Instrument :

MSVOA_N

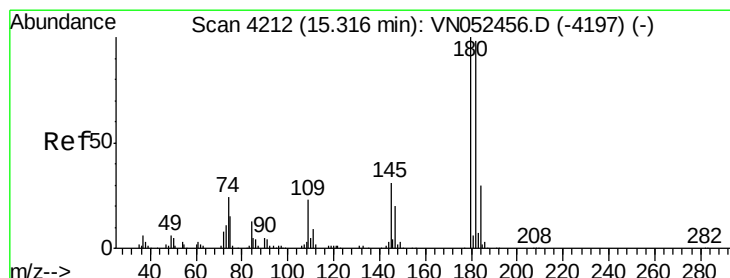
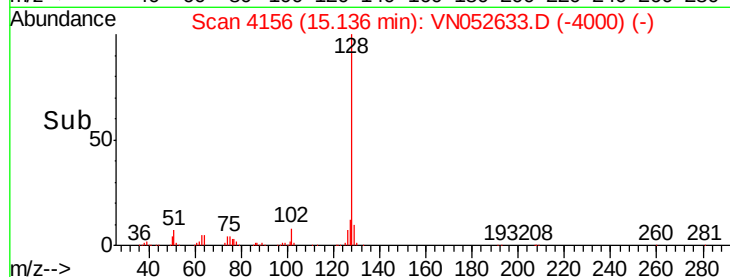
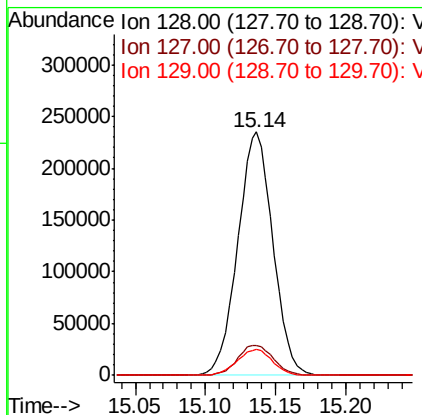
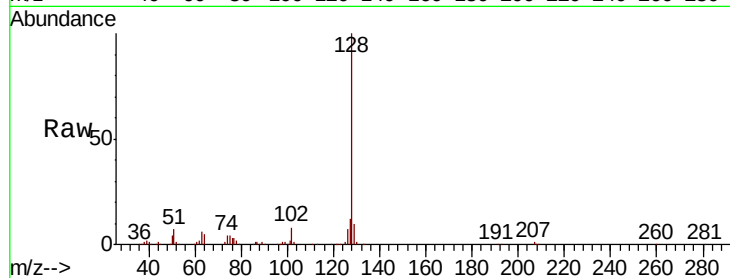
ClientSampleId :

VN1203WBSD02

Tot Ion:	128	Resp:	408503
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.9	14.9
129	10.7	8.5	12.7

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#92

1,2,3-Trichlorobenzene

Concen: 21.782 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052633.D

Acq: 3 Dec 2018 16:02

Tgt Ion:	180	Resp:	186253
Ion Ratio	Lower	Upper	
180	100		
182	96.1	0.0	196.2
145	30.3	0.0	62.2

