

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052713.D
 Acq On : 6 Dec 2018 22:39
 Operator : MD\SY
 Sample : VN1206WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:13:10 PM

Quant Time: Dec 07 07:35:27 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	158154	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	893156	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	780313	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	318484	29.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.50%
60) 4-Bromofluorobenzene	12.40	95	354391	29.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.00%
63) Toluene-d8	10.09	98	1074805	29.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	170267	18.903	ug/l 99
3) Chloromethane	2.06	50	226183	18.934	ug/l 98
4) Vinyl Chloride	2.19	62	234298	19.433	ug/l 97
5) Bromomethane	2.58	94	139470	20.288	ug/l 99
6) Chloroethane	2.71	64	140848	19.644	ug/l 99
7) Trichlorofluoromethane	3.02	101	299057	20.098	ug/l 99
8) Diethyl Ether	3.41	74	113550	20.667	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	185681	19.685	ug/l 97
10) 1,1-Dichloroethene	3.74	96	178011	20.071	ug/l 98
11) Methyl Iodide	3.96	142	255165	20.722	ug/l 100
12) Methyl Acetate	4.33	43	162075	21.508	ug/l 95
13) Acrolein	3.61	56	70670	79.837	ug/l 98
14) Acrylonitrile	4.99	53	336899	104.927	ug/l 98
15) Acetone	3.82	58	78043	93.856	ug/l 96
16) Carbon Disulfide	4.06	76	509756	18.154	ug/l 99
17) Allyl chloride	4.33	41	301096	19.467	ug/l 98
18) Methylene Chloride	4.55	84	211357	20.582	ug/l 97
19) trans-1,2-Dichloroethene	5.05	96	193338	20.257	ug/l 94
20) Diisopropyl ether	5.95	45	653146	20.094	ug/l 99
21) 1,1-Dichloroethane	5.85	63	373596	20.166	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	222303	20.323	ug/l 98
23) tert-Butyl Alcohol	4.78	59	57105m	119.557	ug/l
24) Methyl tert-Butyl Ether	5.05	73	491060	21.106	ug/l 98
25) Chloroform	7.37	83	366999	20.534	ug/l 99
26) Cyclohexane	7.65	56	331752	18.987	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	278864	20.446	ug/l 99
30) 2-Butanone	6.83	43	382565	104.821	ug/l 100
31) 2,2-Dichloropropane	6.83	77	242203	19.289	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	297522	20.964	ug/l 98
33) Carbon Tetrachloride	7.77	117	259817	20.923	ug/l 98
34) Benzene	8.04	78	848899	20.701	ug/l 98
35) Methacrylonitrile	7.17	41	88000	19.434	ug/l 98
36) 1,2-Dichloroethane	8.12	62	262002	21.084	ug/l 99
37) Trichloroethene	8.83	130	218532	21.016	ug/l 95
38) Methylcyclohexane	9.08	83	325651	19.287	ug/l 98
39) 1,2-Dichloropropane	9.12	63	224845	20.455	ug/l 97
40) Dibromomethane	9.21	93	129162	21.744	ug/l 98

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 Sample : VN1206WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Manual Integrations
 APPROVED

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Quant Time: Dec 07 07:35:27 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	273216	20.818	ug/l	99
42) Vinyl Acetate	5.90	43	2038274	103.219	ug/l	99
43) Ethyl Acetate	6.83	43	382565	49.295	ug/l	100
44) Isopropyl Acetate	8.17	43	305559	22.450	ug/l	99
45) 1,4-Dioxane	9.20	88	33242	446.445	ug/l	96
46) Methyl methacrylate	9.20	41	153517	21.723	ug/l	99
47) n-amyl Acetate	12.07	43	232561	20.608	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	257789	20.258	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	311164	20.070	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	186735	22.177	ug/l	99
51) Ethyl methacrylate	10.43	69	227887	21.549	ug/l	97
52) 1,3-Dichloropropane	10.71	76	316058	21.088	ug/l	98
53) Dibromochloromethane	10.90	129	196740	21.223	ug/l	98
54) 1,2-Dibromoethane	11.01	107	181497	22.059	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	621406	100.384	ug/l	99
56) Bromoform	12.13	173	131016	21.622	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	850096	112.373	ug/l	99
59) 2-Hexanone	10.75	43	549533	106.340	ug/l	99
61) Tetrachloroethene	10.63	164	218848	22.772	ug/l	95
62) Toluene	10.16	91	895148	20.809	ug/l	100
64) Chlorobenzene	11.43	112	548433	20.888	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	197875	21.712	ug/l	99
66) Ethyl Benzene	11.51	91	953186	20.560	ug/l	100
67) m/p-Xylenes	11.62	106	718858	41.619	ug/l	98
68) o-Xylene	11.95	106	351938	20.993	ug/l	99
69) Styrene	11.96	104	560982	20.732	ug/l	100
70) Isopropylbenzene	12.25	105	931977	20.894	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	213325	21.986	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	169631m	20.366	ug/l	
73) Bromobenzene	12.53	156	231478	21.457	ug/l	96
74) n-propylbenzene	12.59	91	1051236	20.227	ug/l	99
75) 2-Chlorotoluene	12.68	91	630837	20.912	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	756466	20.997	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	51098	19.420	ug/l	98
78) 4-Chlorotoluene	12.77	91	621346	20.626	ug/l	100
79) tert-butylbenzene	12.99	119	673009	21.450	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	762934	21.163	ug/l	100
81) sec-Butylbenzene	13.17	105	901220	20.622	ug/l	100
82) p-Isopropyltoluene	13.29	119	764825	20.552	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	394335	20.783	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	378871	20.668	ug/l	99
85) n-Butylbenzene	13.62	91	606864	18.985	ug/l	99
86) Hexachloroethane	13.88	117	129826	20.590	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	388115	21.496	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31010	22.816	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	181194	20.369	ug/l	99
90) Hexachlorobutadiene	15.01	225	124095	21.266	ug/l	99
91) Naphthalene	15.13	128	377029	20.988	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	178643	21.792	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Manual Integrations
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Quant Time: Dec 07 07:35:27 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

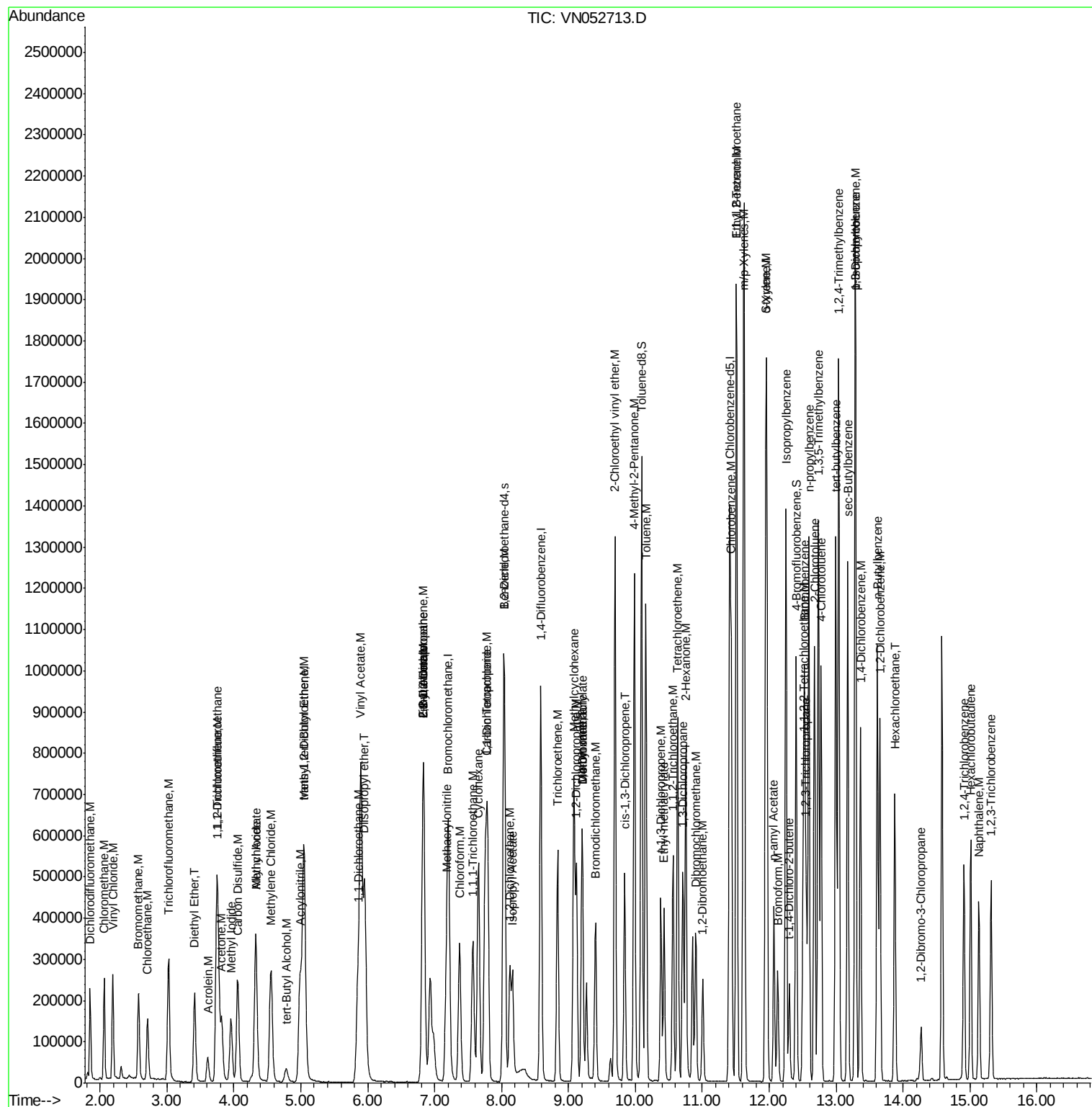
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 Data File : VN052713.D
 Acq On : 6 Dec 2018 22:39
 Operator : MD\SY
 Sample : VN1206WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 28

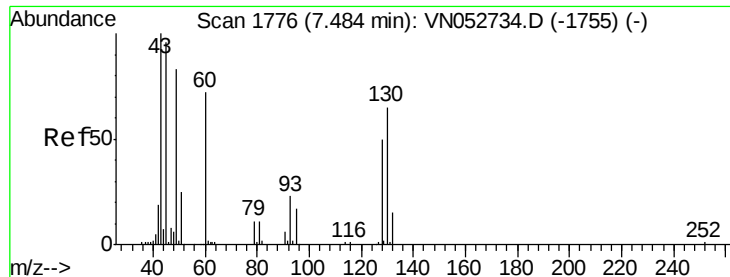
Instrument :
 MSVOA_N
 Client Sample ID :
 VN1206WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:13:10 PM

Quant Time: Dec 07 07:35:27 2018
 Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

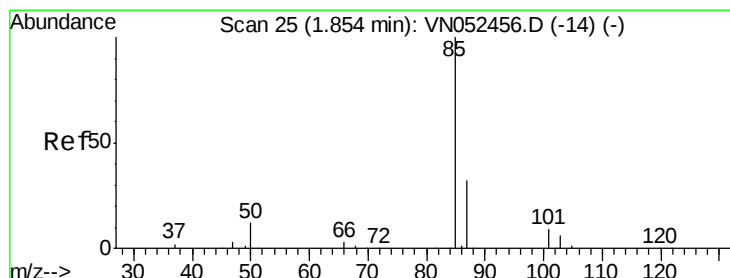
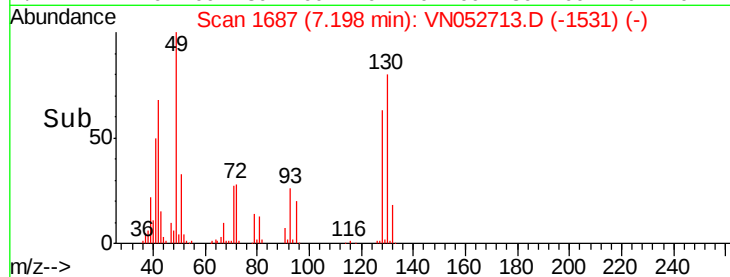
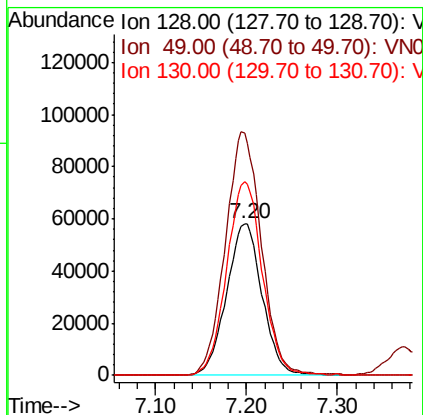
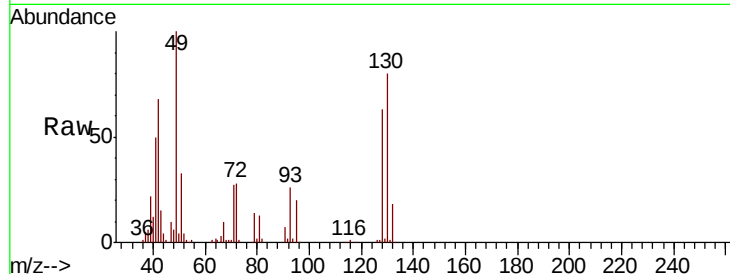
ClientSampleId :

VN1206WBSD02

Tot Ion:	128	Resp:	158154
Ion	Ratio	Lower	Upper
128	100		
49	162.4	0.0	431.8
130	127.9	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.903 ug/l

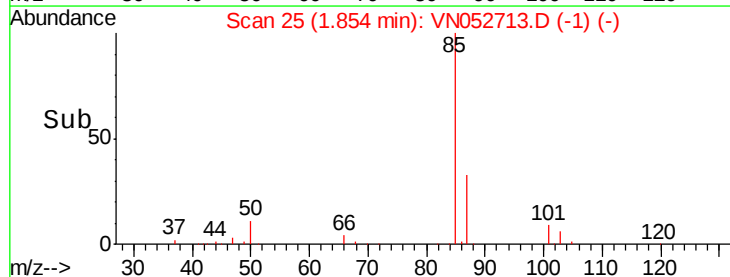
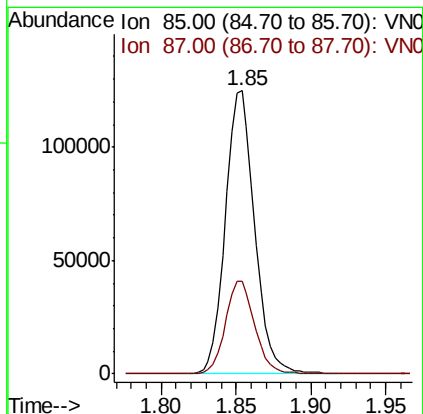
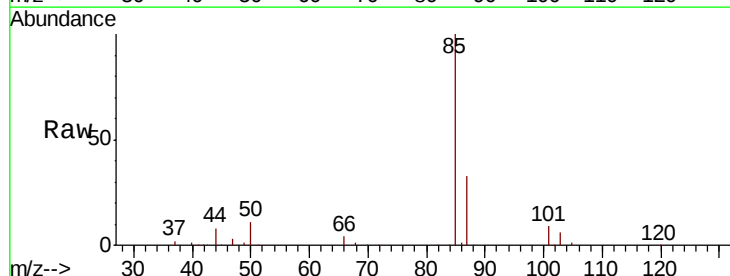
RT: 1.85 min Scan# 25

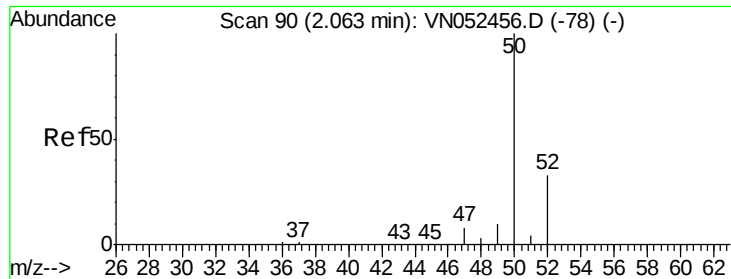
Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Tgt Ion:	85	Resp:	170267
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.1	48.3





#3

Chloromethane

Concen: 18.934 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion: 50 Resp: 226183

Ion Ratio Lower Upper

50 100

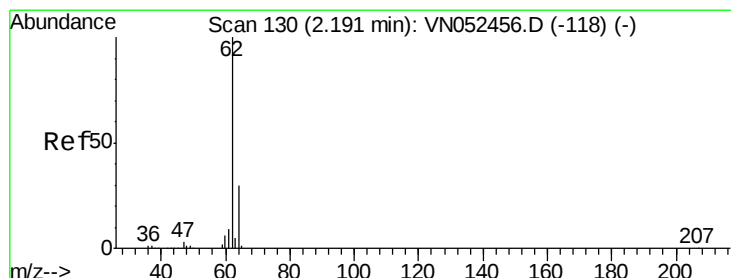
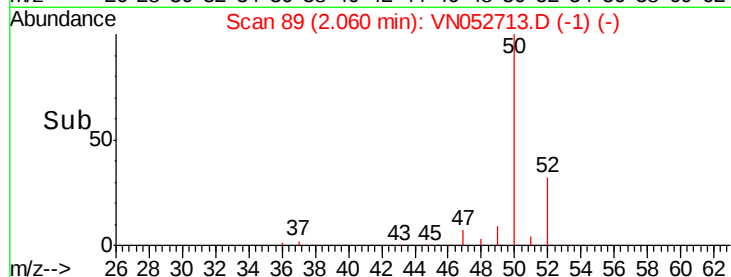
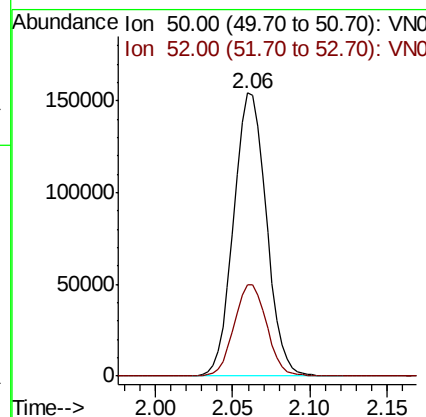
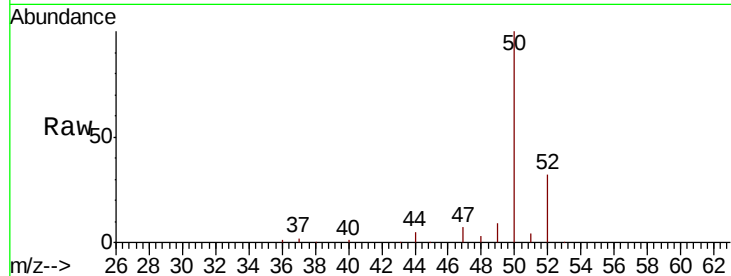
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.433 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052713.D

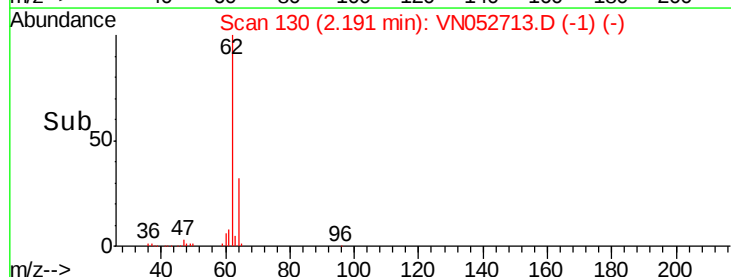
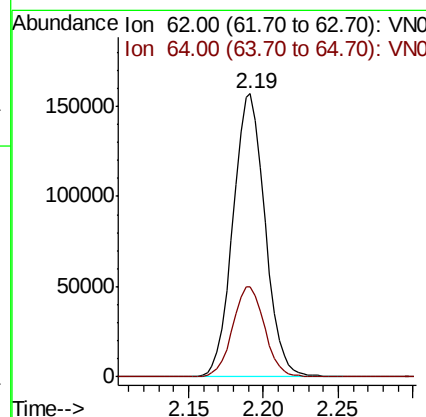
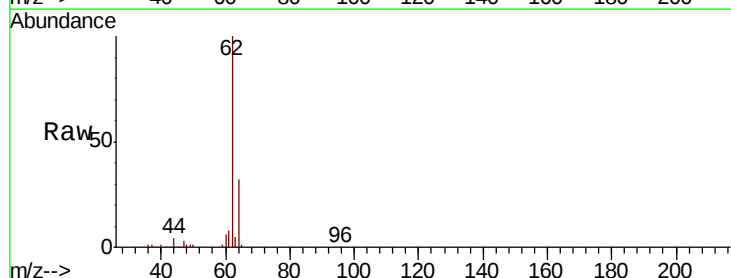
Acq: 6 Dec 2018 22:39

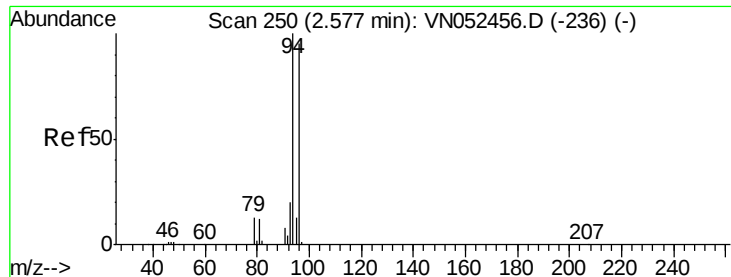
Tgt Ion: 62 Resp: 234298

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.4





#5

Bromomethane

Concen: 20.288 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion: 94 Resp: 139470

Ion Ratio Lower Upper

94 100

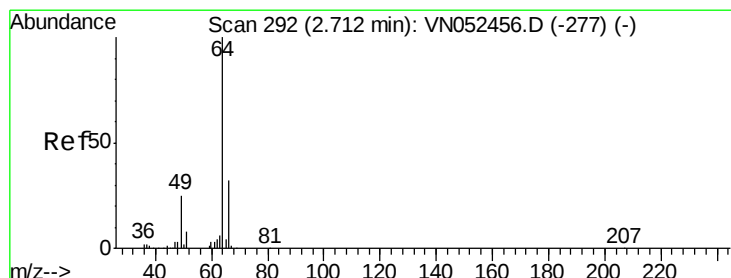
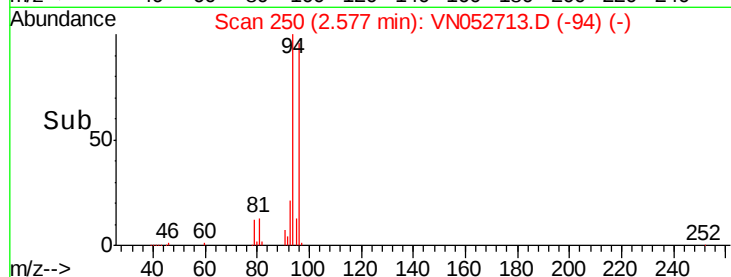
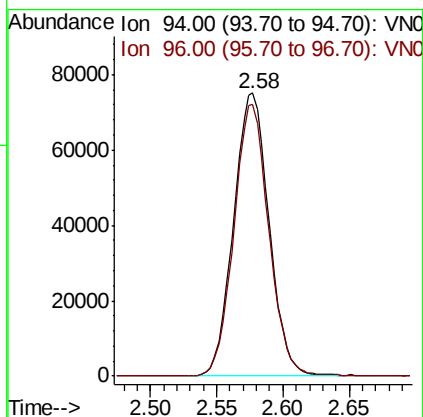
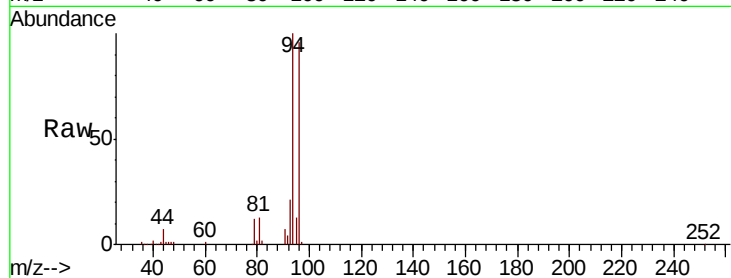
96 96.0 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 19.644 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052713.D

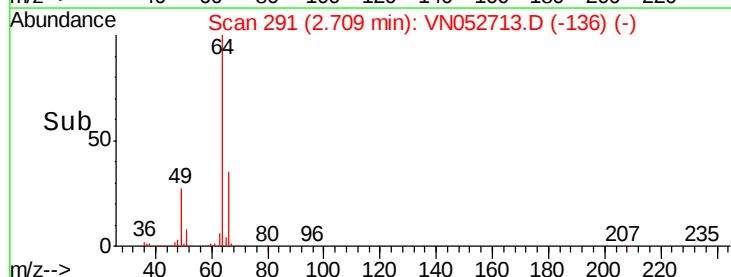
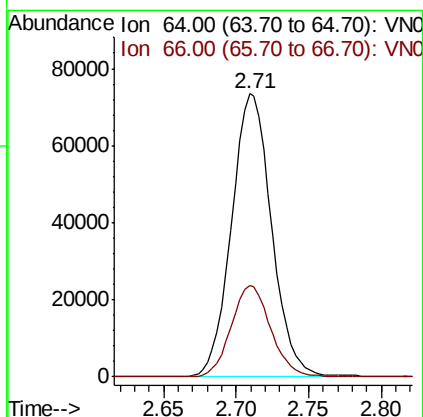
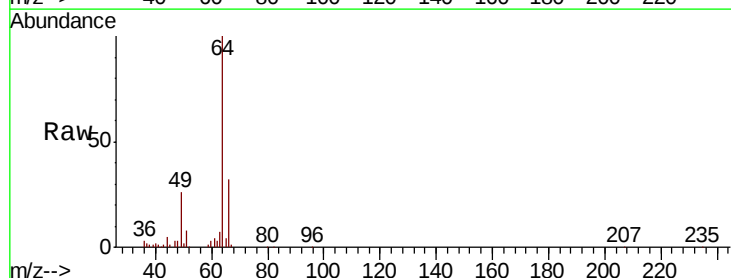
Acq: 6 Dec 2018 22:39

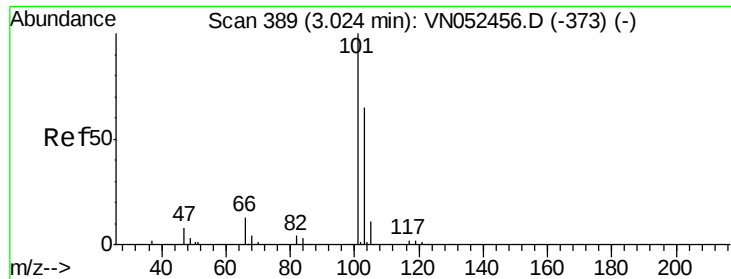
Tgt Ion: 64 Resp: 140848

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

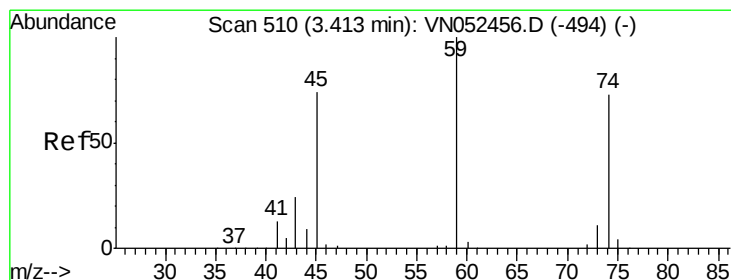
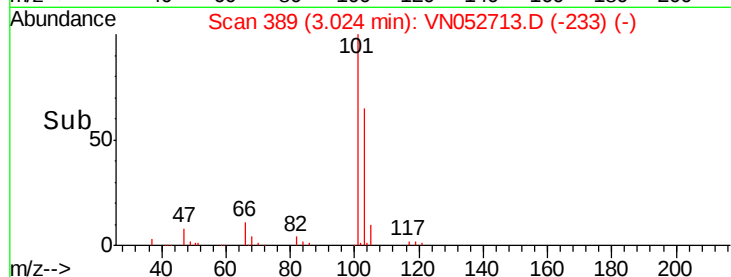
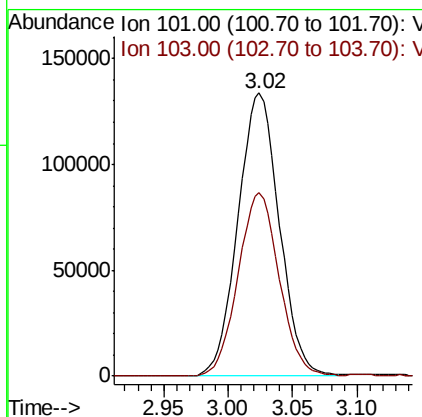
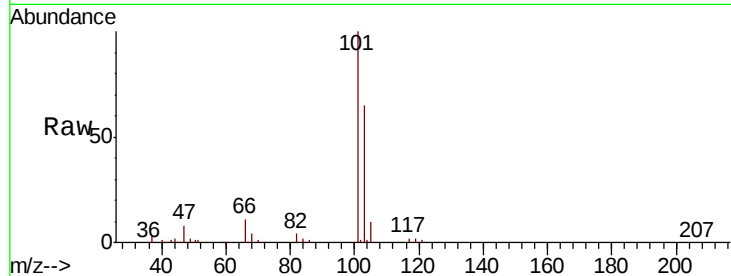
Trichlorofluoromethane
Concen: 20.098 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.1	78.1

Manual Integrations
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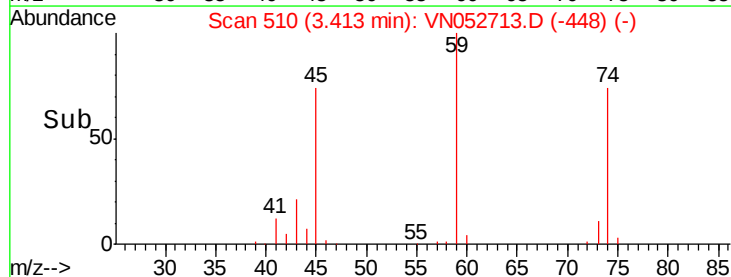
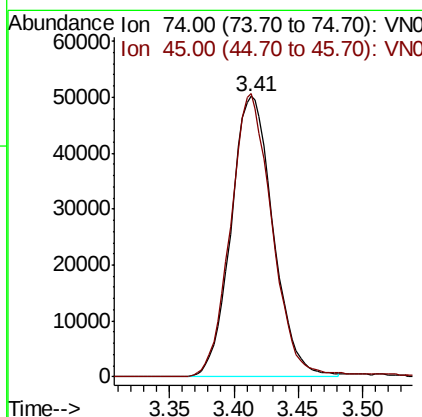
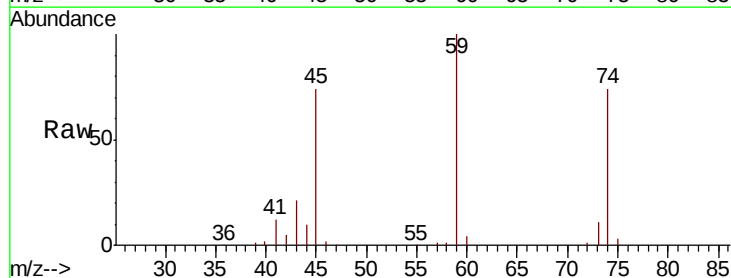
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12/7/2018 1:13:10 PM

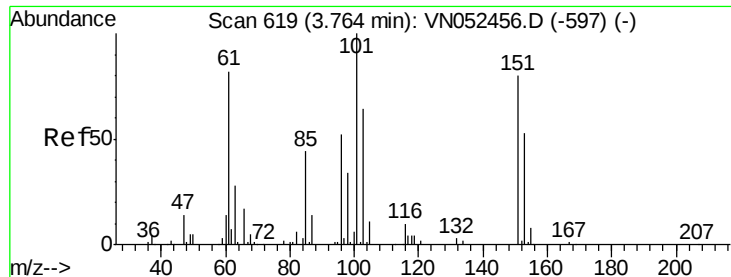


#8

Diethyl Ether
Concen: 20.667 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.685 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

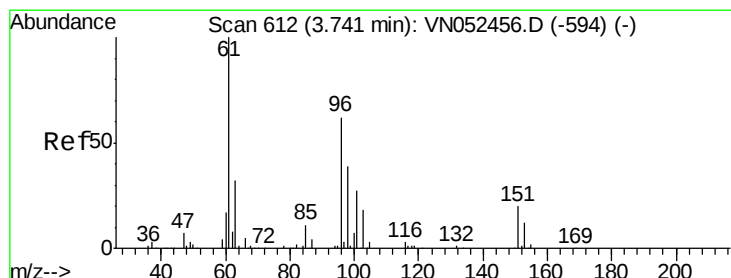
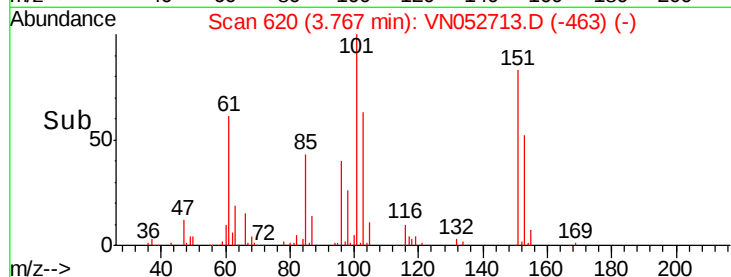
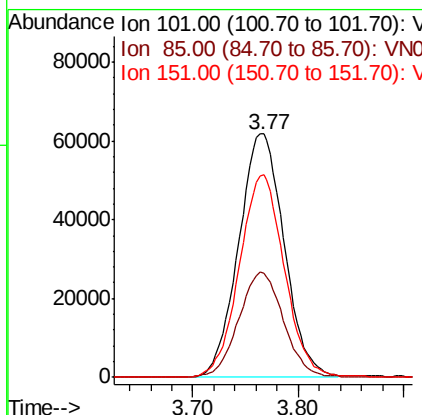
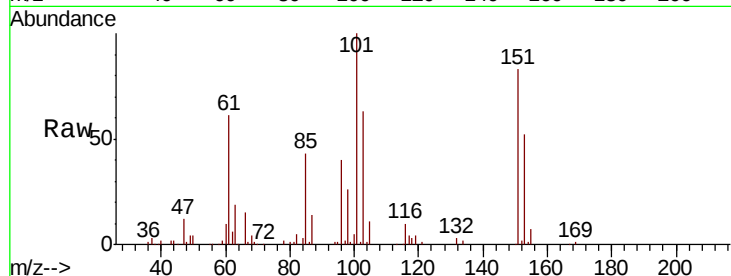
ClientSampleId :

VN1206WBSD02

Tot Ion:	101	Resp:	185681
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	82.6
151	82.0	0.0	158.4

Manual Integrations
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12/7/2018 1:13:10 PM



#10

1,1-Dichloroethene

Concen: 20.071 ug/l

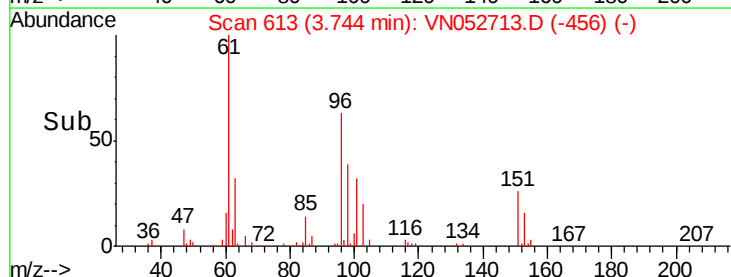
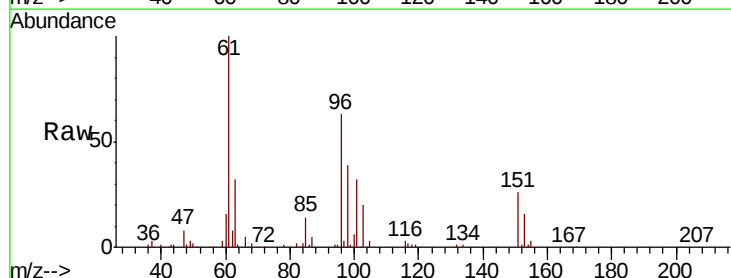
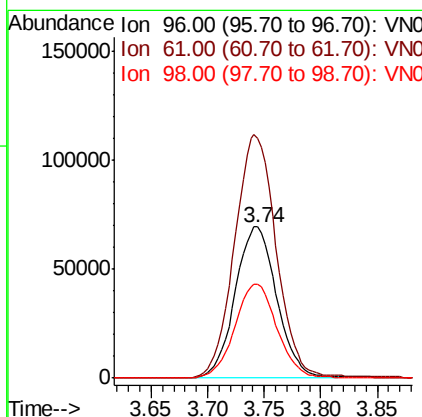
RT: 3.74 min Scan# 613

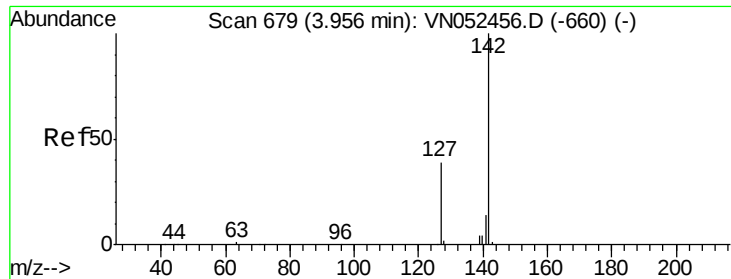
Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Tgt Ion:	96	Resp:	178011
Ion Ratio	Lower	Upper	
96	100		
61	157.9	129.4	194.2
98	62.3	50.4	75.6





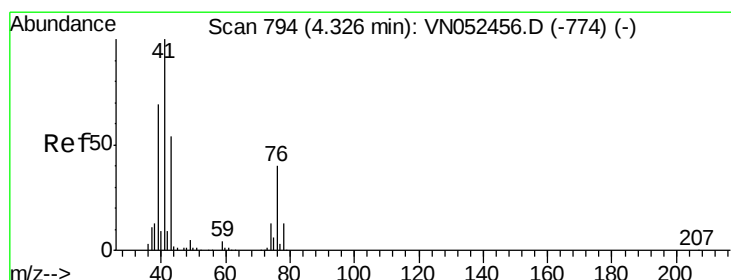
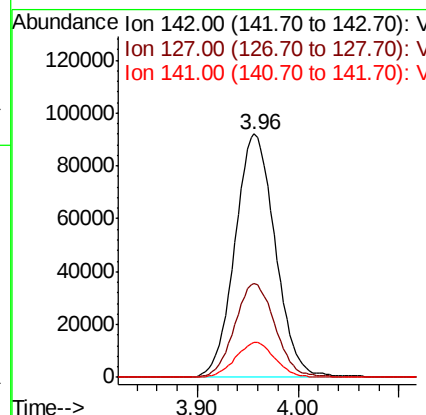
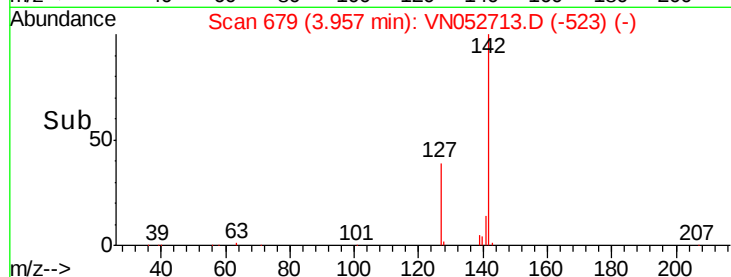
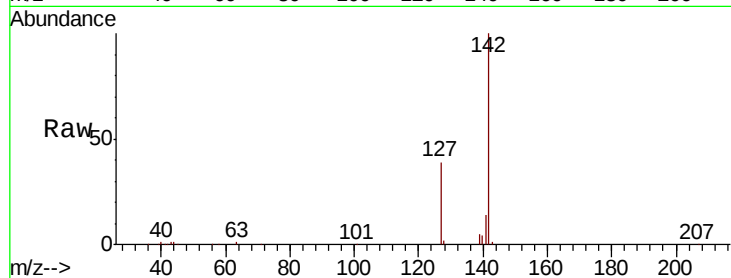
#11
Methvl Iodide
Concen: 20.722 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.5	19.4	58.1
141	14.2	7.2	21.6

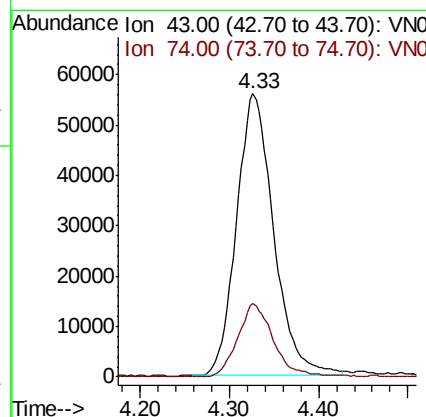
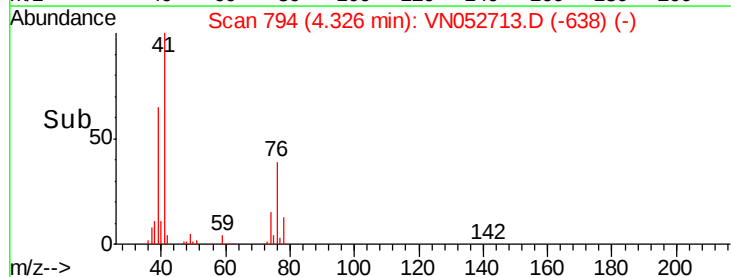
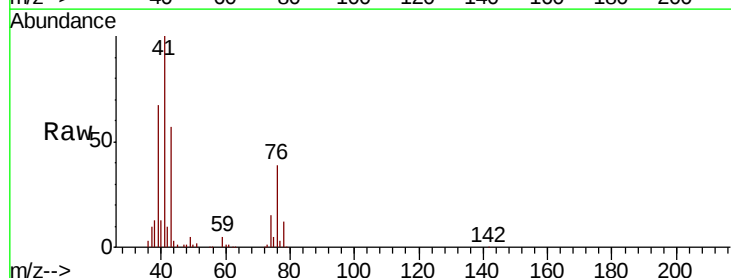
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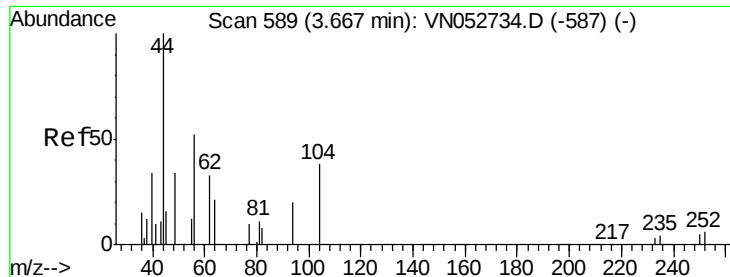
MMDadoda
12/7/2018 1:13:10 PM



#12
Methyl Acetate
Concen: 21.508 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	18.9	28.3





#13

Acrolein

Concen: 79.837 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion: 56 Resp: 70670

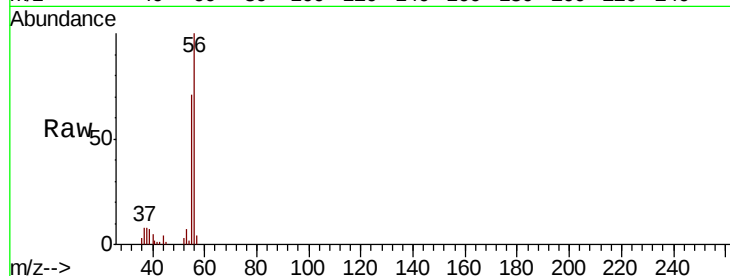
Ion Ratio Lower Upper

56 100

55 72.3 56.7 85.1

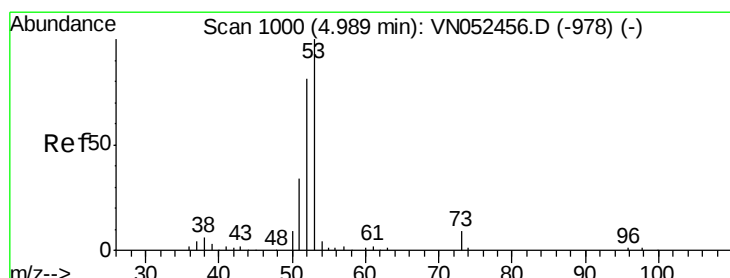
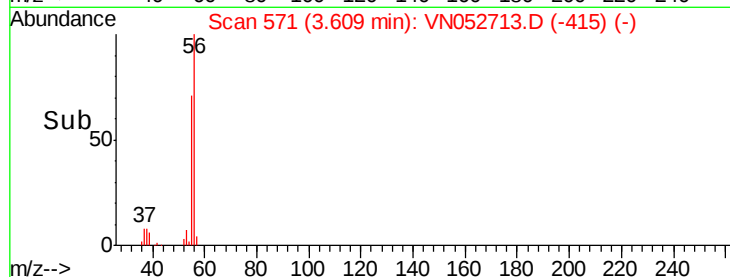
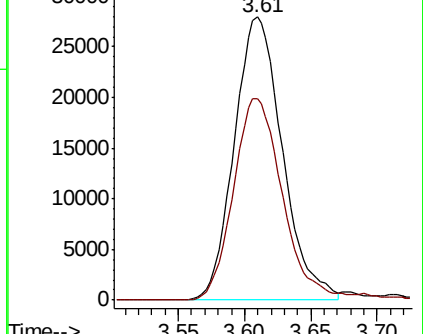
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 104.927 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

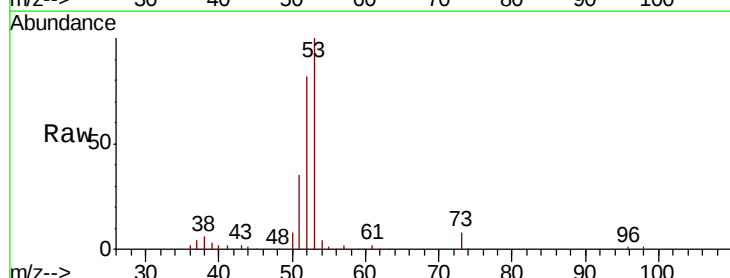
Tgt Ion: 53 Resp: 336899

Ion Ratio Lower Upper

53 100

52 82.4 39.9 119.7

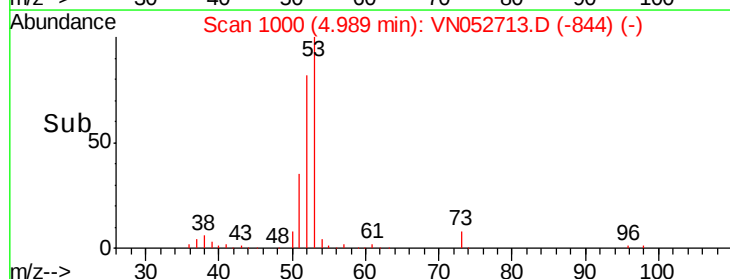
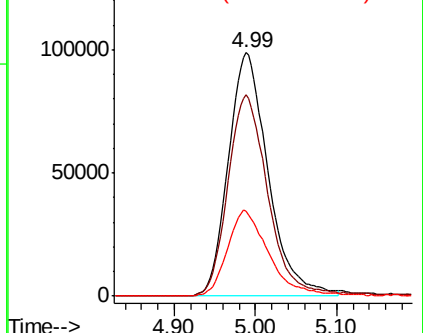
51 36.1 17.6 52.9

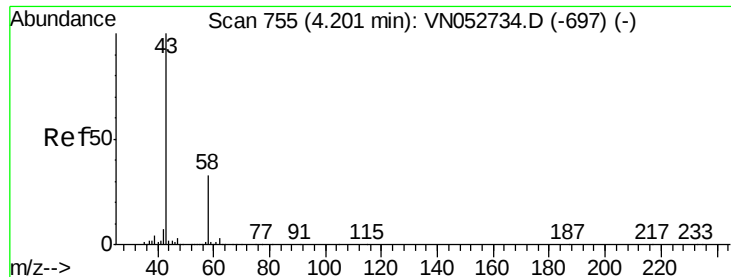


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





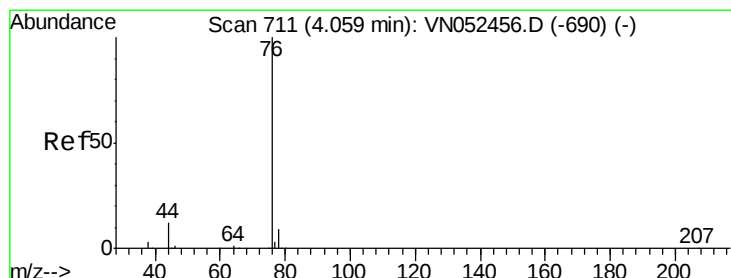
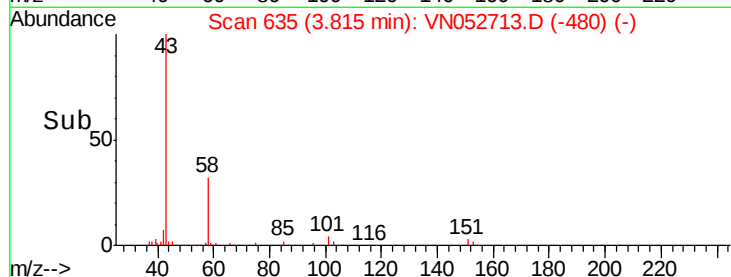
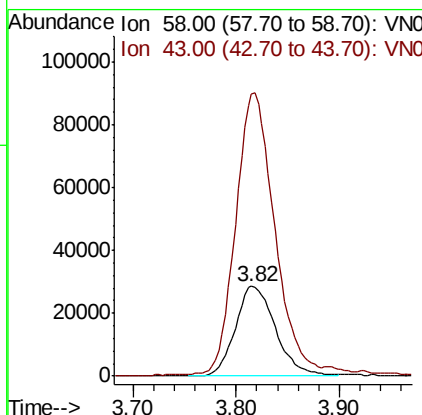
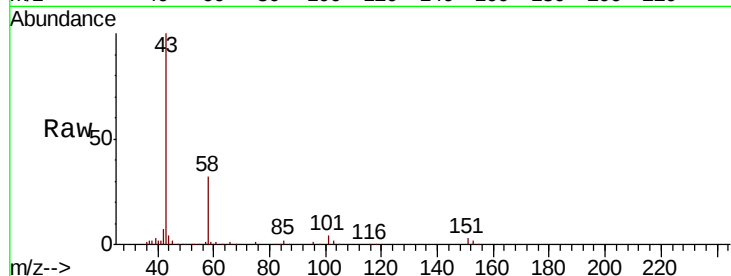
#15
Acetone
Concen: 93.856 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion: 58 Resp: 78043
Ion Ratio Lower Upper
58 100
43 311.9 243.6 365.4

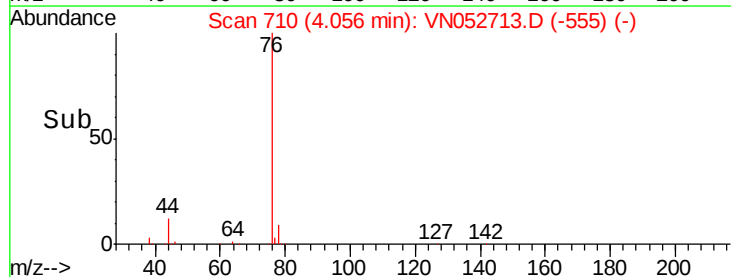
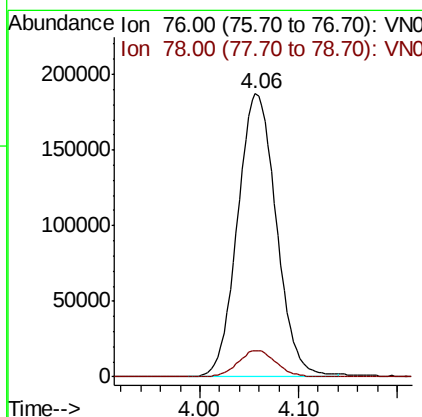
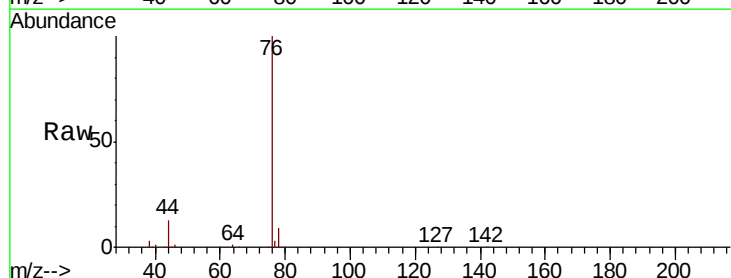
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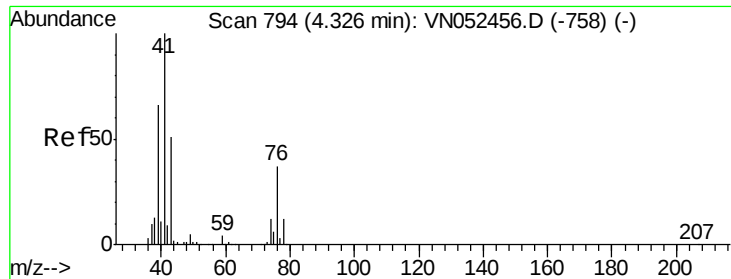
MMDadoda
12/7/2018 1:13:10 PM



#16
Carbon Disulfide
Concen: 18.154 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion: 76 Resp: 509756
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9





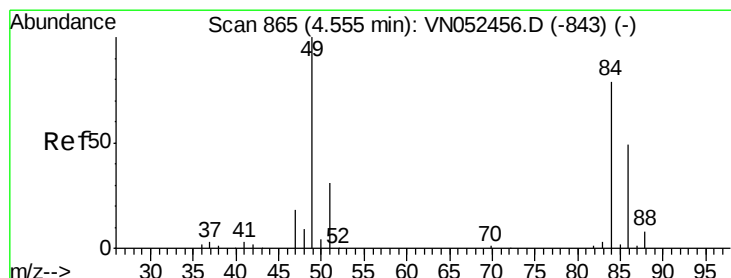
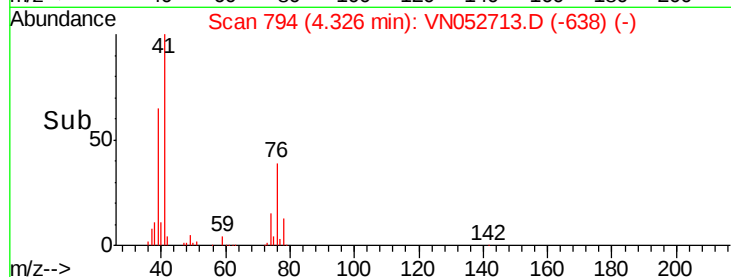
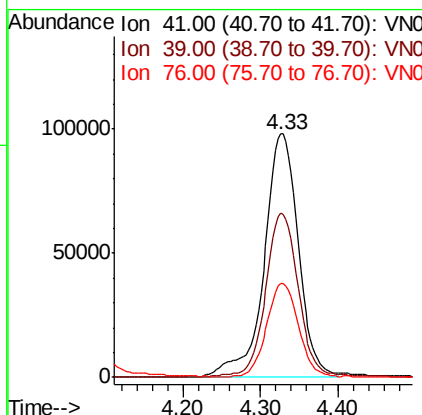
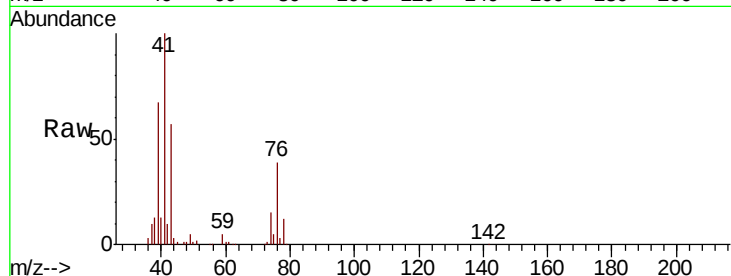
#17
Allvl chloride
Concen: 19.467 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion:	41	Resp:	301096
Ion	Ratio	Lower	Upper
41	100		
39	67.4	32.8	98.3
76	38.3	18.6	55.8

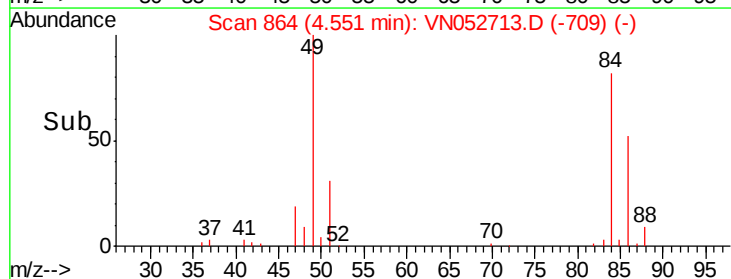
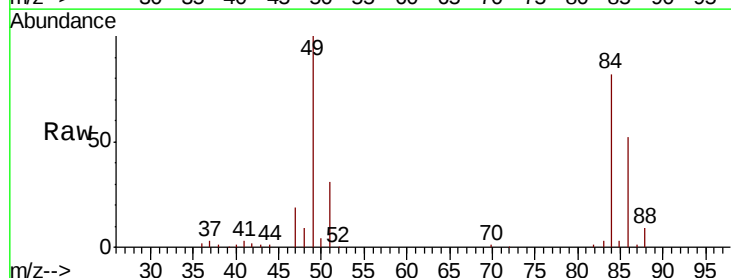
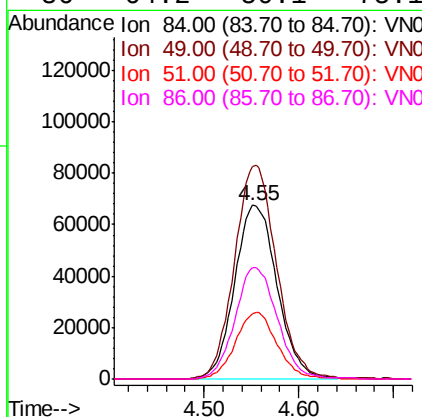
Manual Integrations
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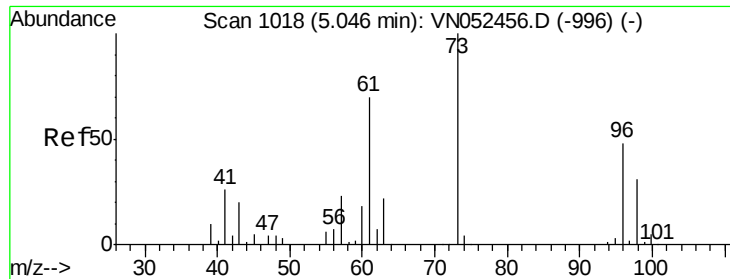
MMDadoda
12/7/2018 1:13:10 PM



#18
Methylene Chloride
Concen: 20.582 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion:	84	Resp:	211357
Ion	Ratio	Lower	Upper
84	100		
49	122.6	101.4	152.0
51	37.8	31.7	47.5
86	64.2	50.1	75.1





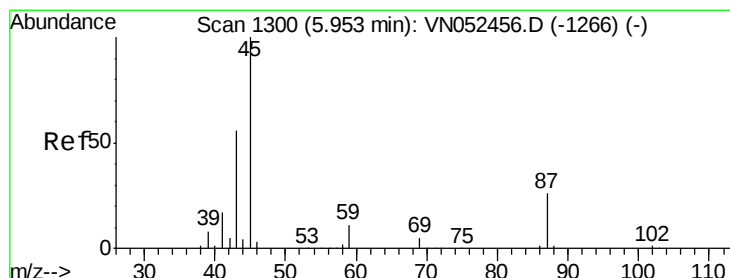
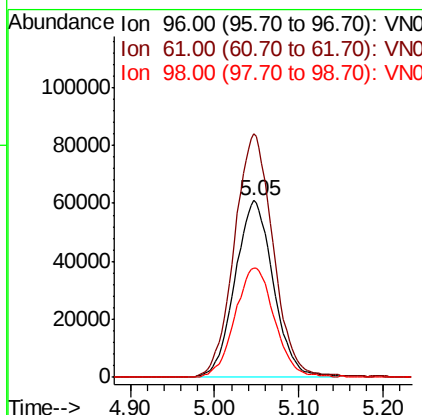
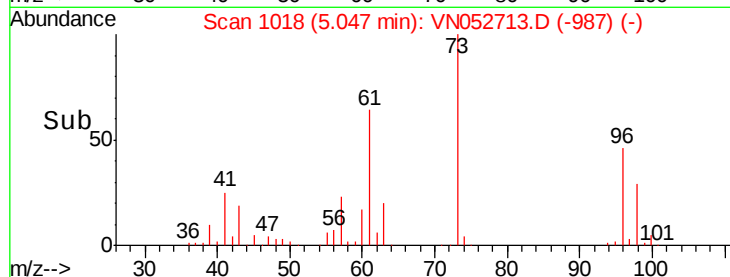
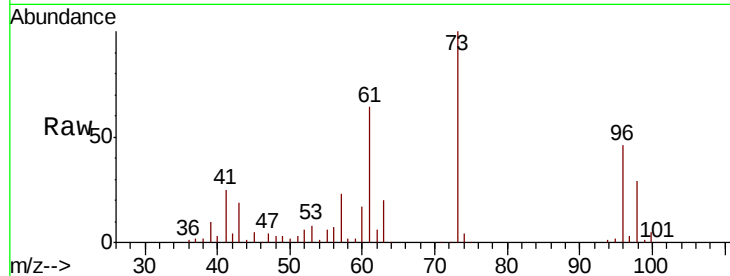
#19
trans-1,2-Dichloroethene
Concen: 20.257 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	118.2	177.4
98	61.9	51.4	77.2

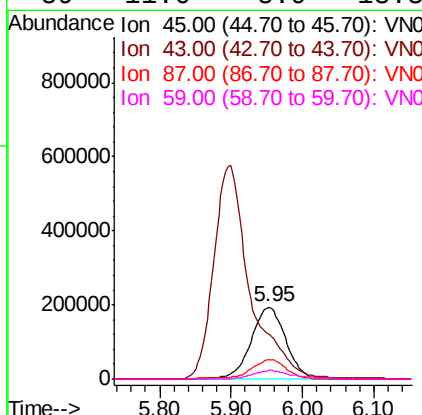
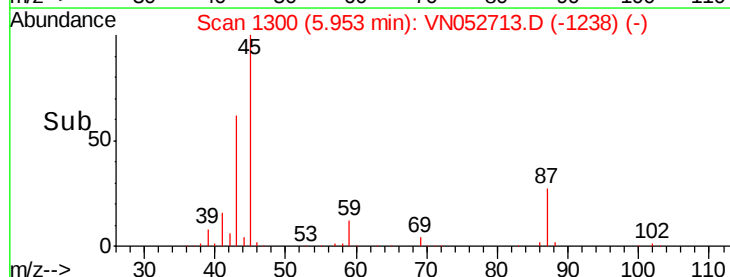
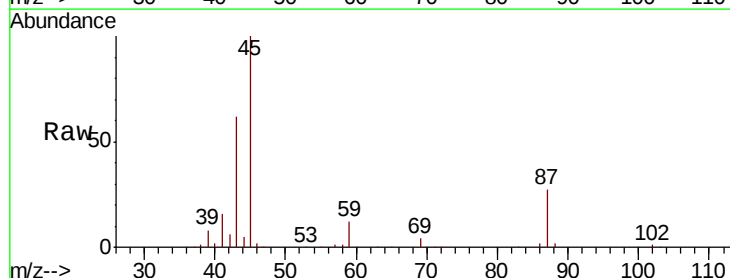
Manual Integrations
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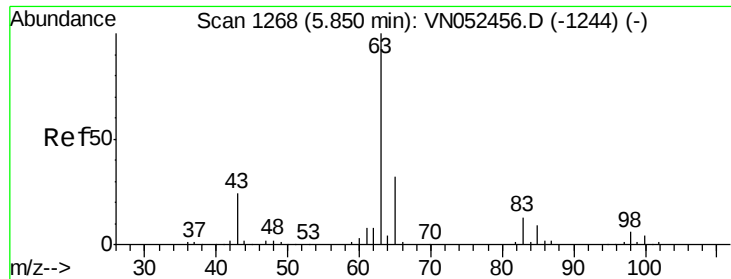
MMDadoda
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#20
Diisopropyl ether
Concen: 20.094 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	47.8	71.8
87	26.9	21.3	31.9
59	11.6	8.9	13.3





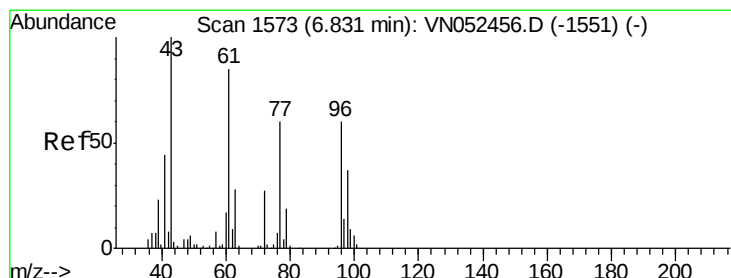
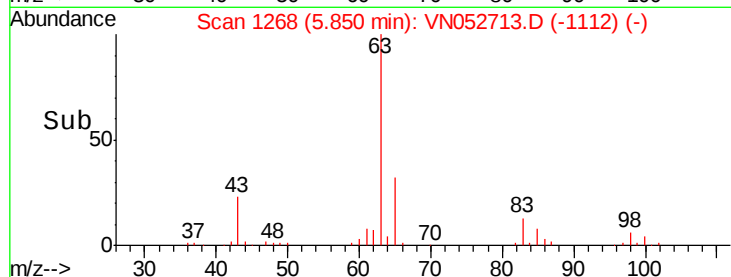
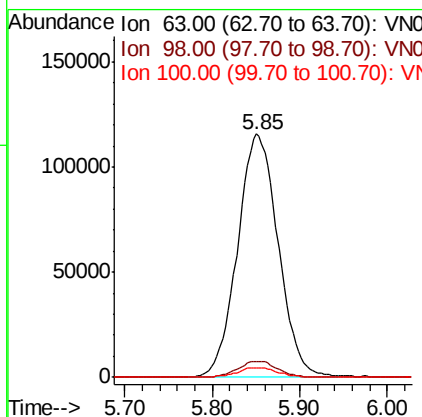
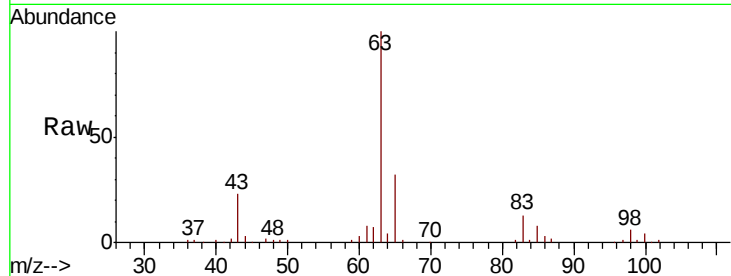
#21
 1,1-Dichloroethane
 Concen: 20.166 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
63	100	373596		
98	6.3		3.0	9.2
100	3.9		1.8	5.5

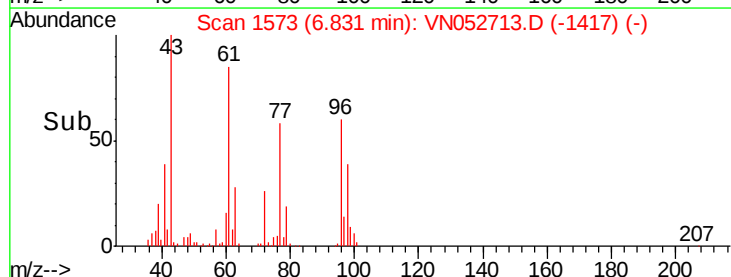
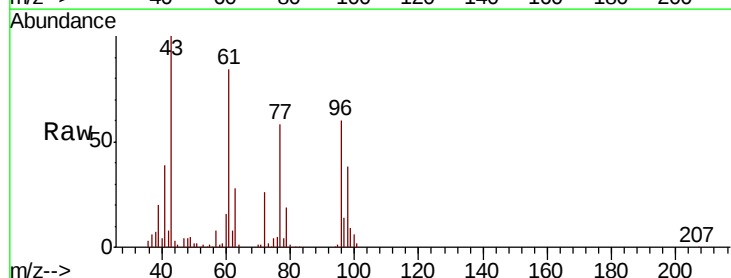
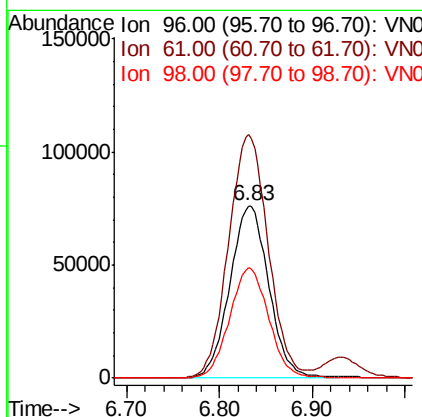
Manual Integrations
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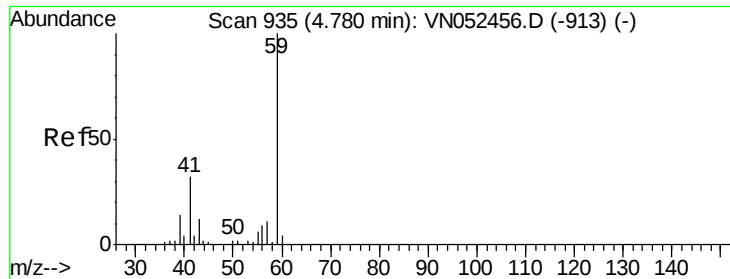
MMDadoda
 12/7/2018 1:13:10 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.323 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	222303		
61	143.6		116.7	175.1
98	64.2		50.8	76.2





#23

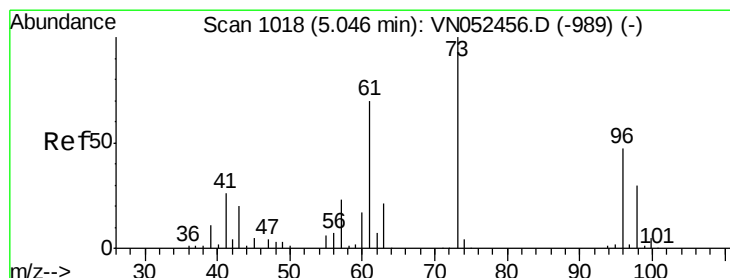
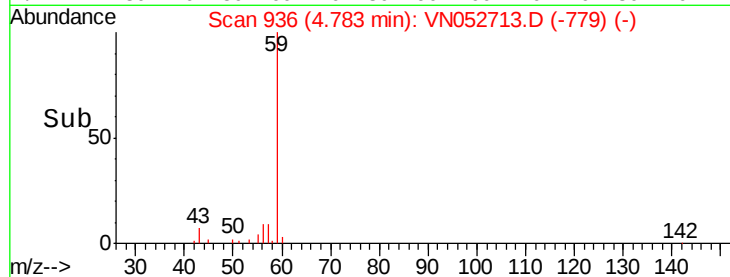
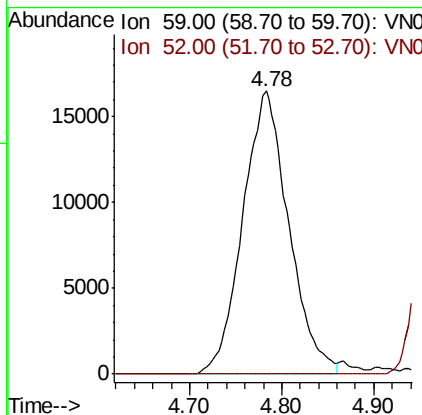
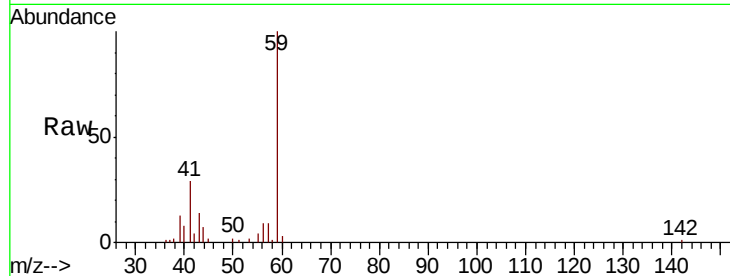
tert-Butyl Alcohol
 Concen: 119.557 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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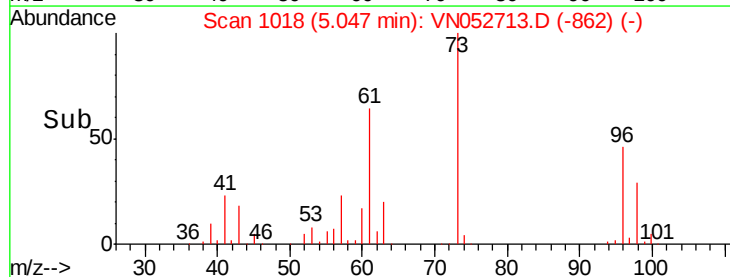
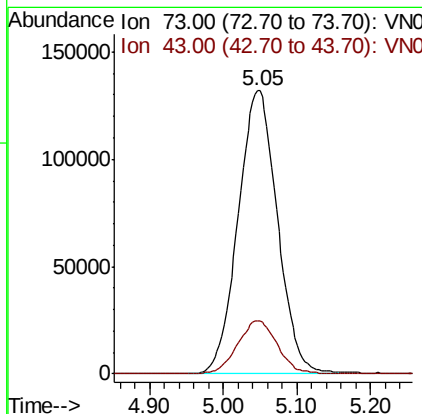
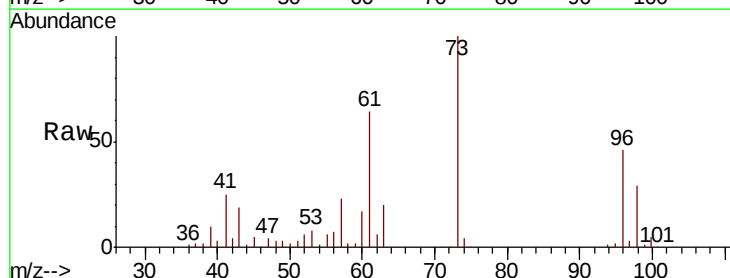
MMDadoda
 12/7/2018 1:13:10 PM

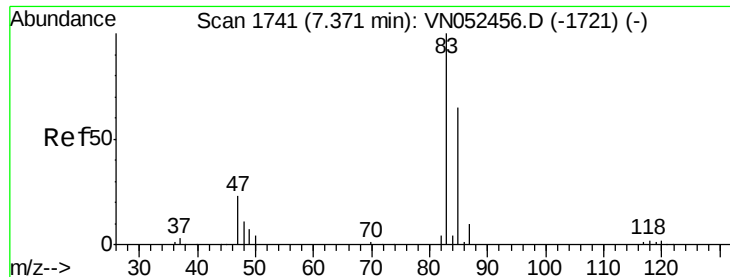


#24

Methyl tert-Butyl Ether
 Concen: 21.106 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.7	15.8	23.8





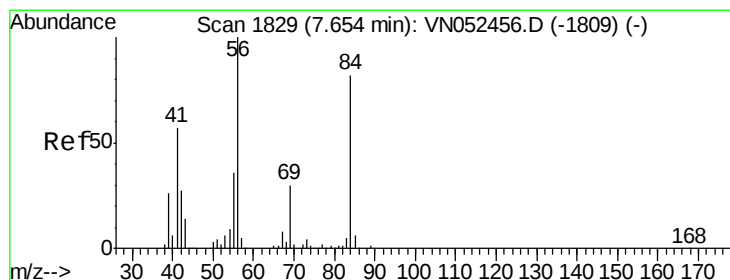
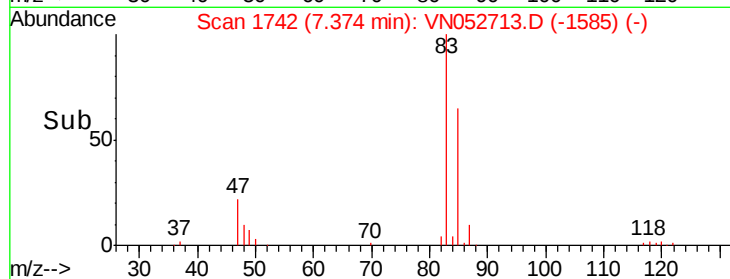
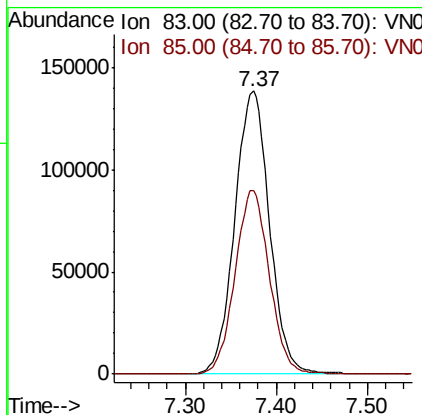
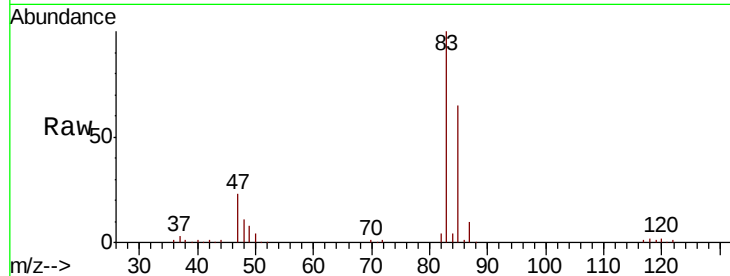
#25
Chloroform
Concen: 20.534 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	83	Resp	366999
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.7	77.5

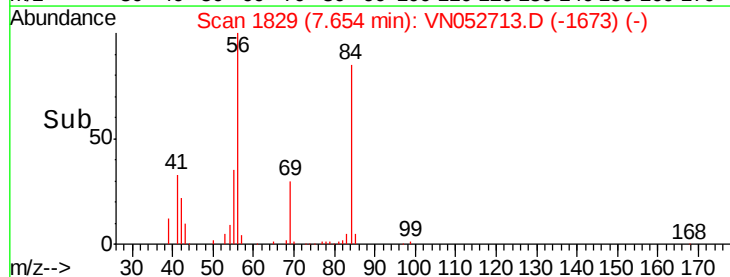
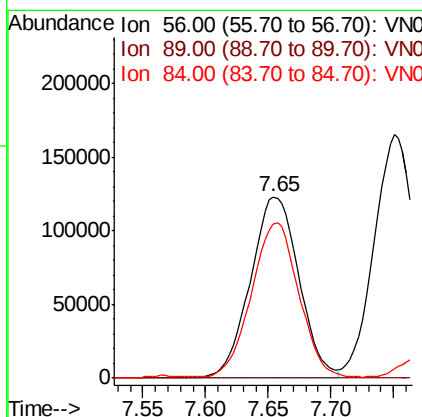
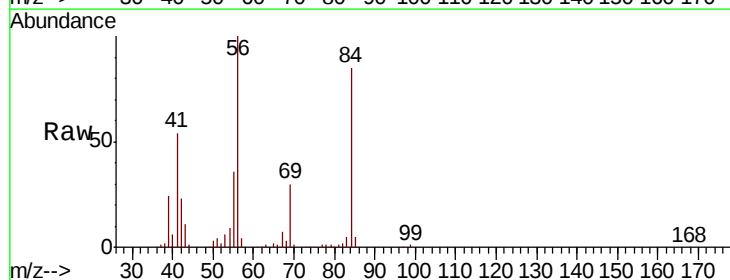
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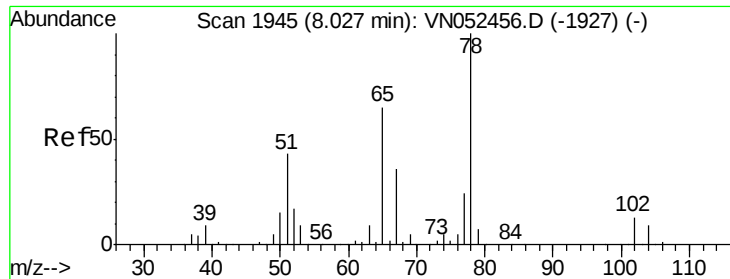
MMDadoda
12/7/2018 1:13:10 PM



#26
Cyclohexane
Concen: 18.987 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	56	Resp	331752
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.5	0.7#
84	84.1	66.2	99.2





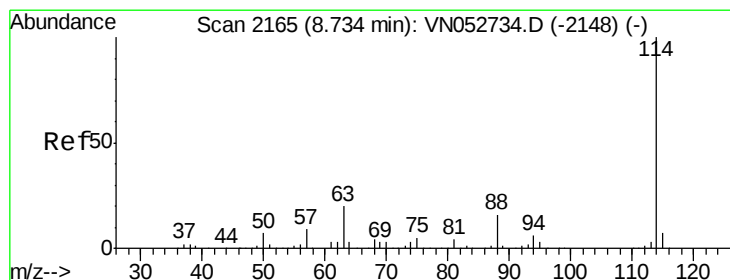
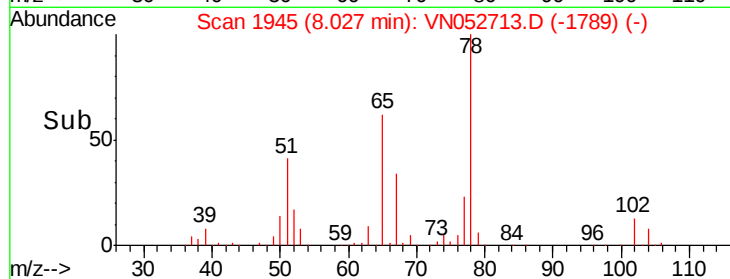
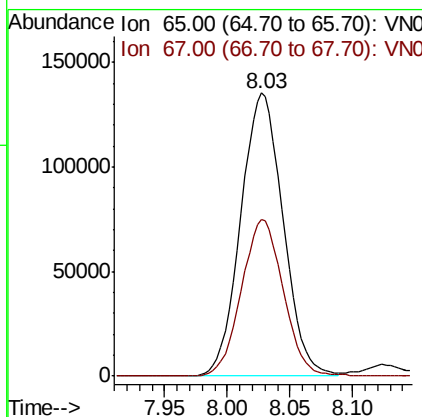
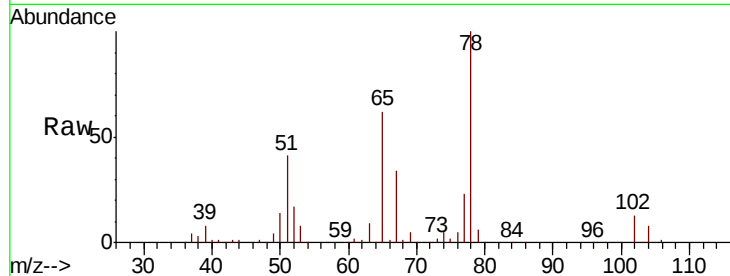
#27
 1,2-Dichloroethane-d4
 Concen: 18.987 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	44.6	66.8

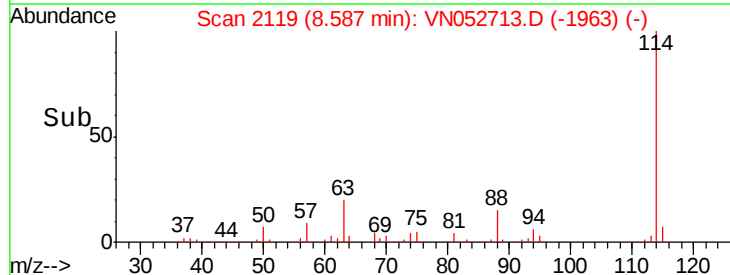
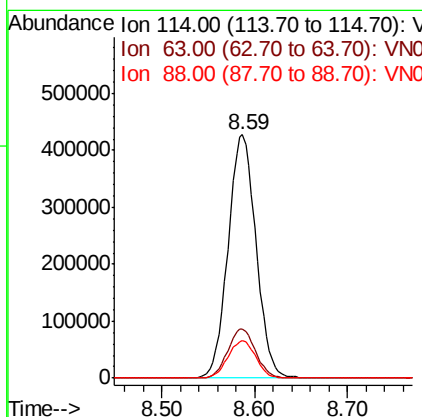
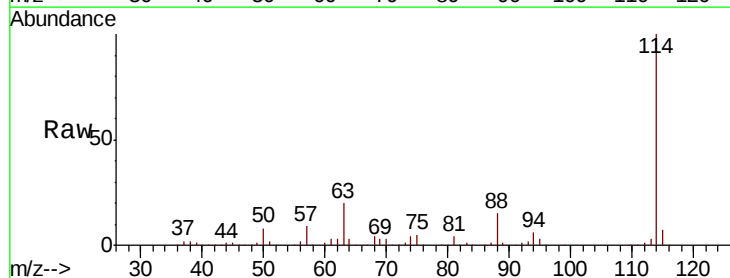
Manual Integrations
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

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





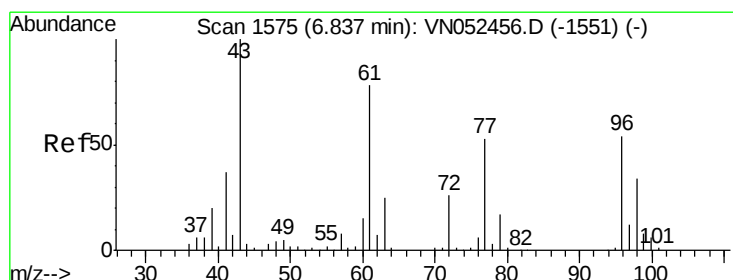
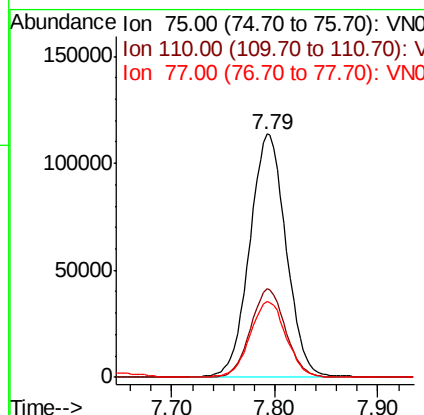
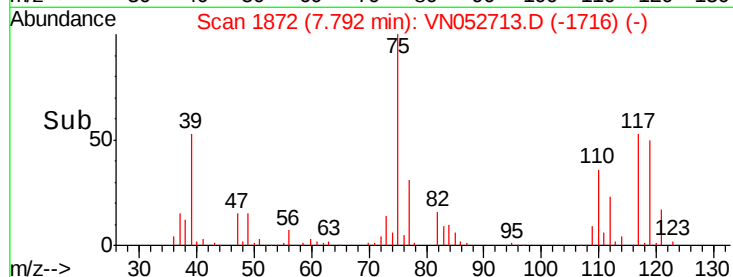
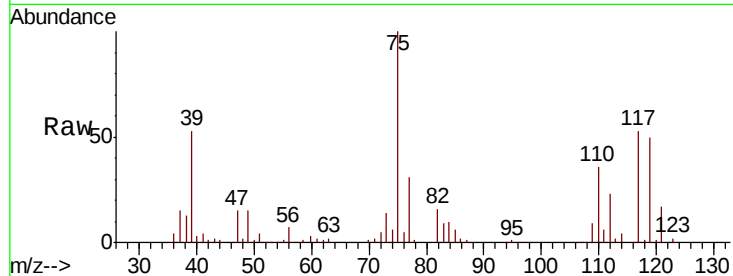
#29
 1,1-Dichloropropene
 Concen: 20.446 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.9	0.0	70.2
77	30.9	0.0	62.6

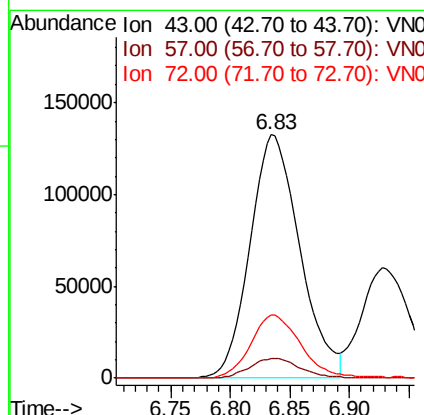
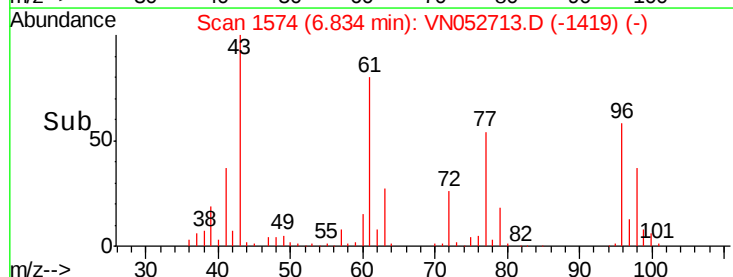
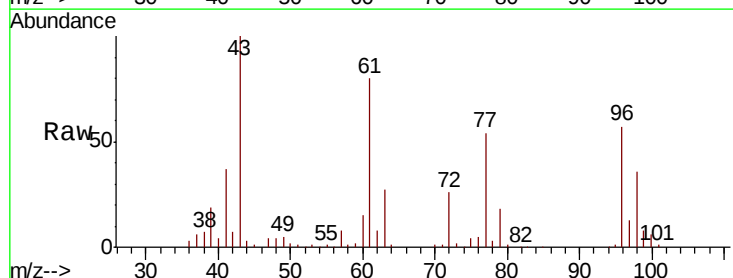
Manual Integrations
 APPROVED

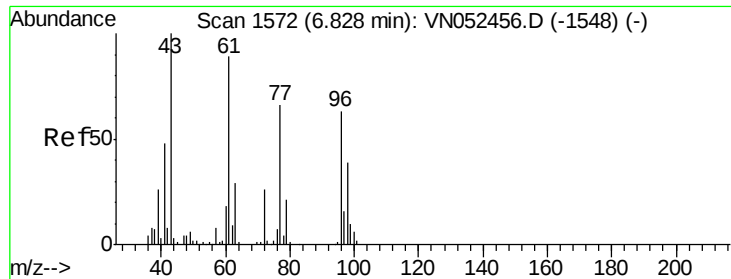
MMDadoda
 12/7/2018 1:13:10 PM



#30
 2-Butanone
 Concen: 104.821 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.2	9.4
72	26.2	21.0	31.6





#31

2,2-Dichloropropane

Concen: 19.289 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion: 77 Resp: 242203

Ion Ratio Lower Upper

77 100

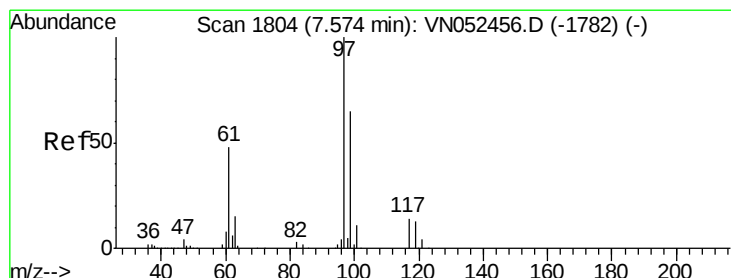
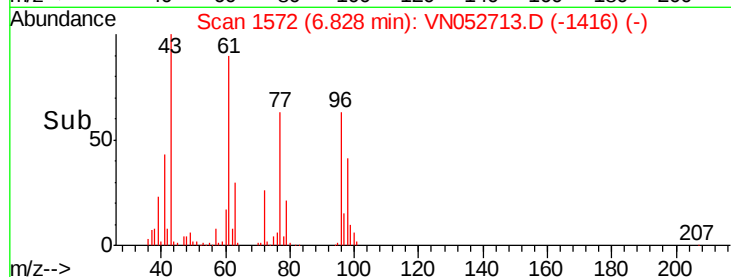
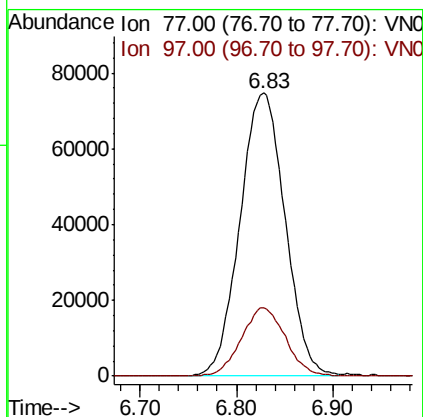
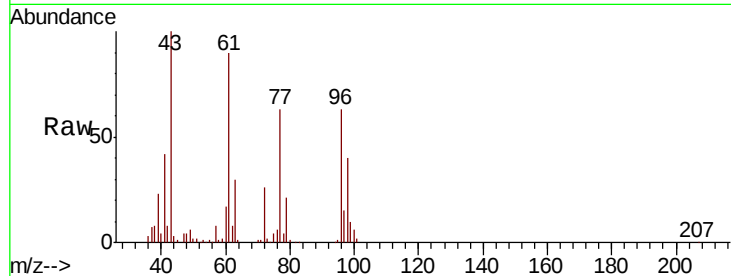
97 23.6 18.7 28.1

Manual Integrations

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12/7/2018 1:13:10 PM



#32

1,1,1-Trichloroethane

Concen: 20.964 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

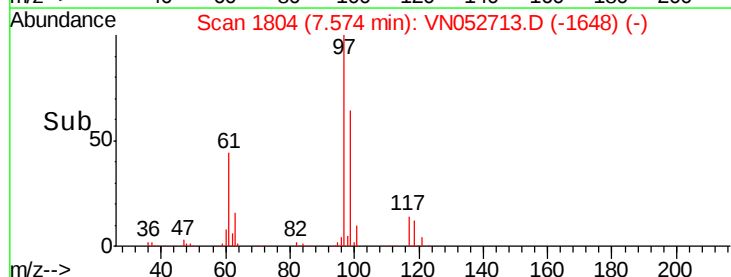
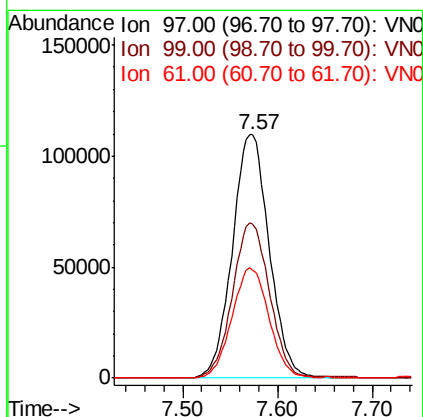
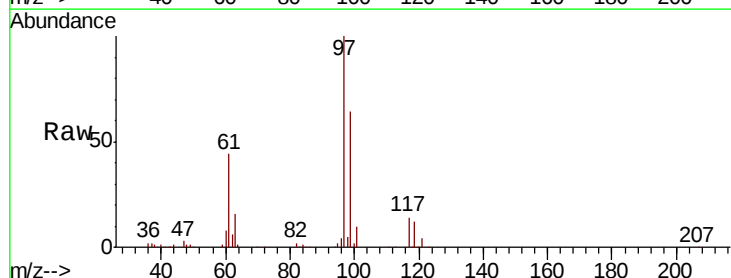
Tgt Ion: 97 Resp: 297522

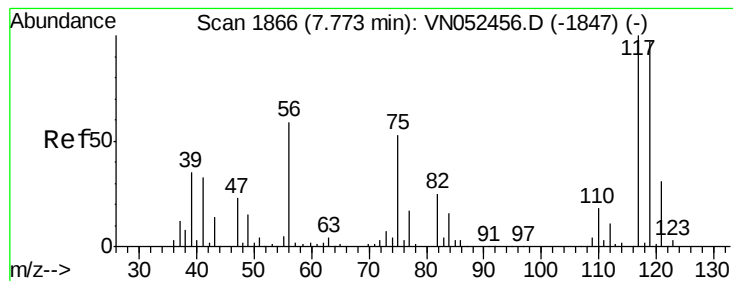
Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

61 45.4 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.923 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

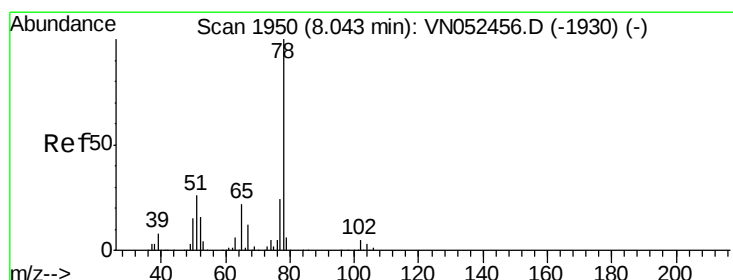
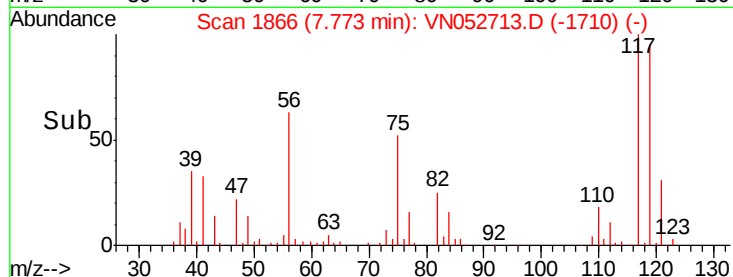
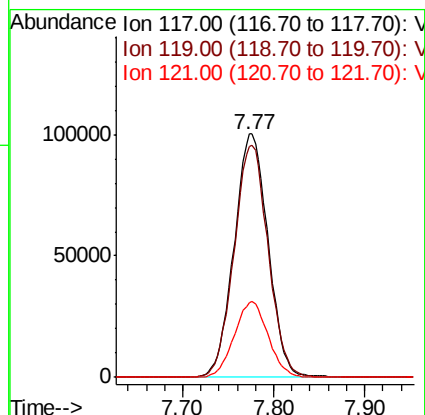
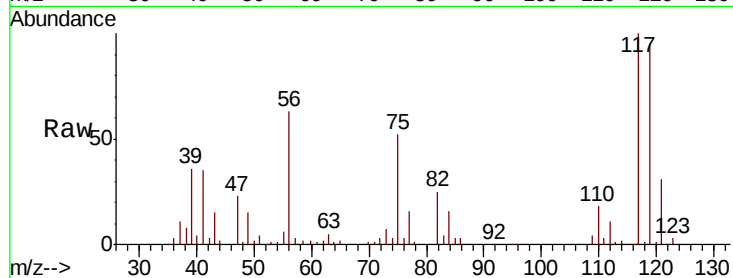
ClientSampled :

VN1206WBSD02

Tot Ion:	117	Resp:	259817
Ion Ratio	Lower	Upper	
117	100		
119	94.7	77.3	115.9
121	30.6	24.9	37.3

Manual Integrations
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#34

Benzene

Concen: 20.701 ug/l

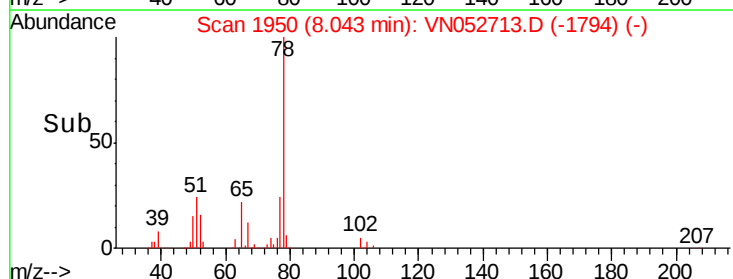
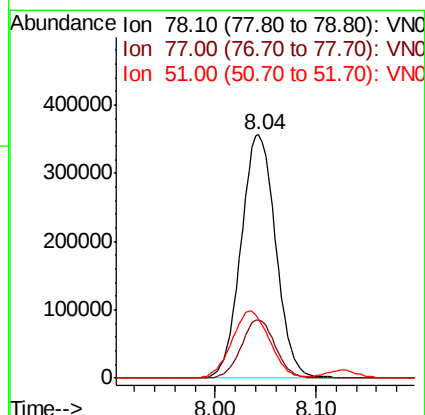
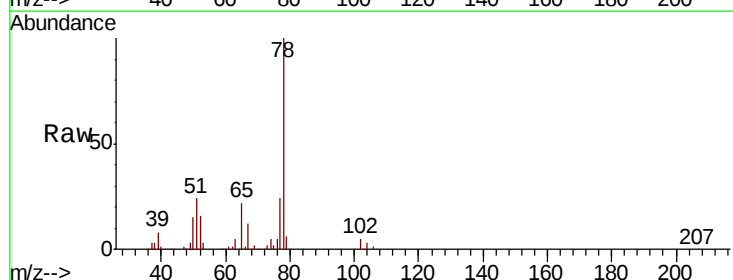
RT: 8.04 min Scan# 1950

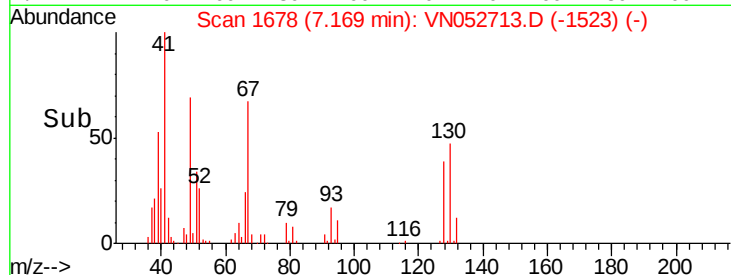
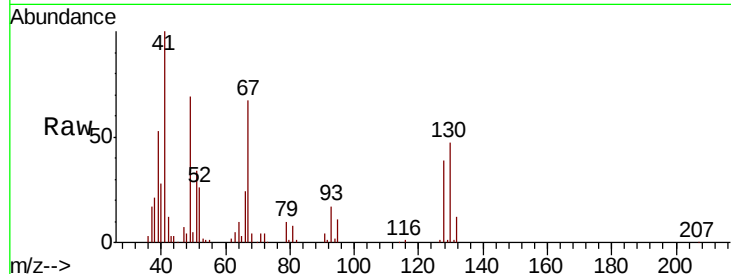
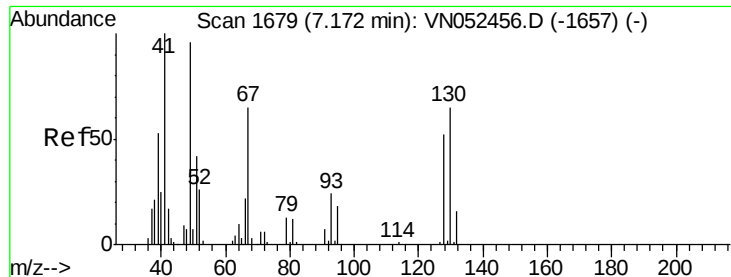
Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

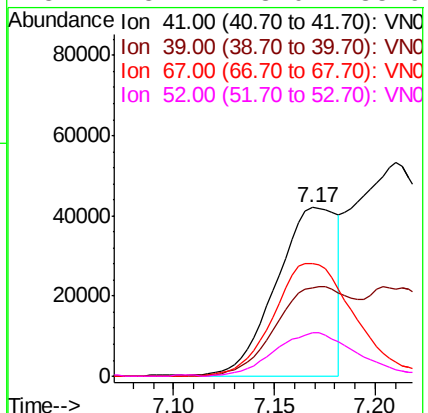
Tgt Ion:	78	Resp:	848899
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.0	28.6
51	24.2	20.5	30.7





#35
Methacrylonitrile
Concen: 19.434 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

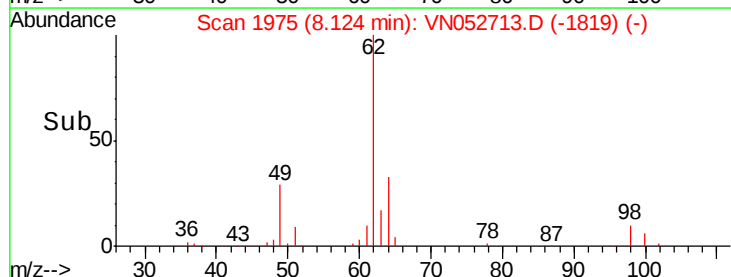
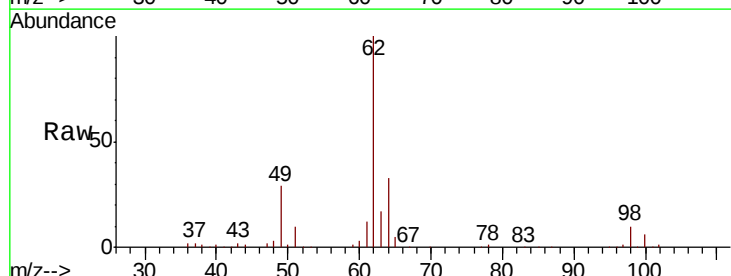
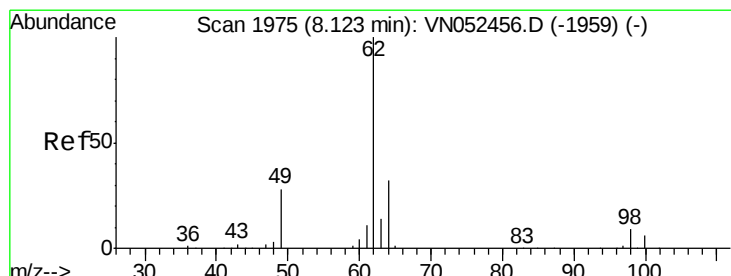
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.2	26.6	79.7
67	66.9	32.3	96.9
52	25.2	13.0	38.9



Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

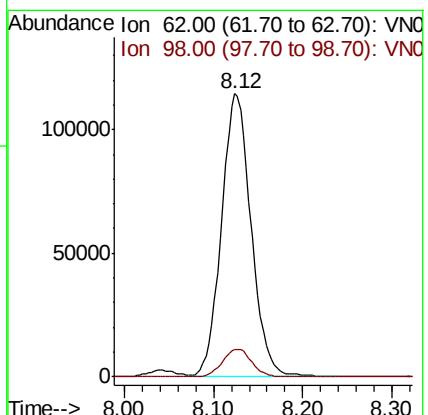
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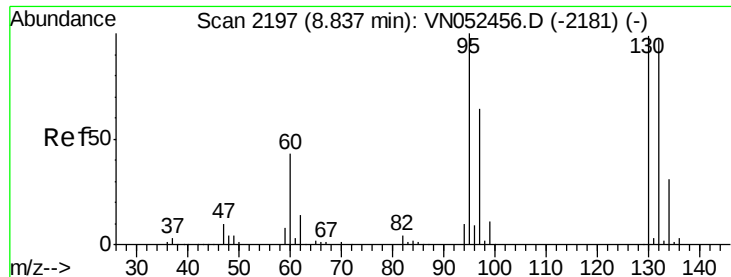
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12/7/2018 1:13:10 PM



#36
1,2-Dichloroethane
Concen: 21.084 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.4	11.2





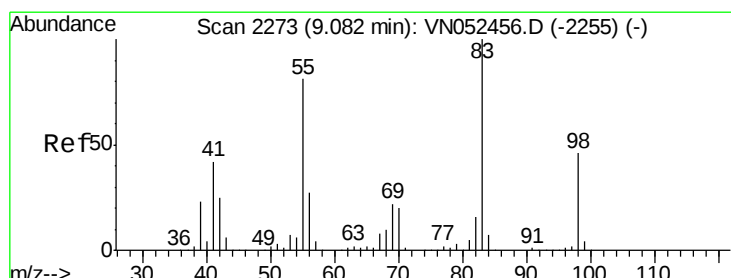
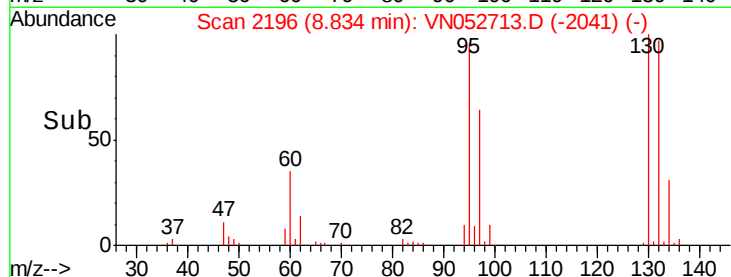
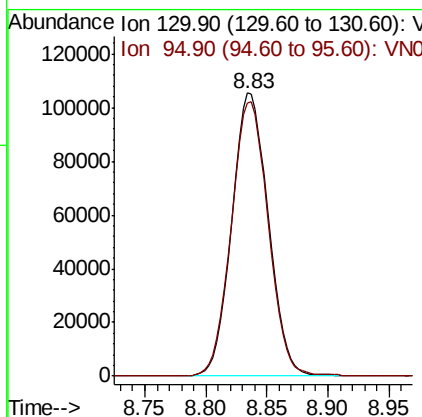
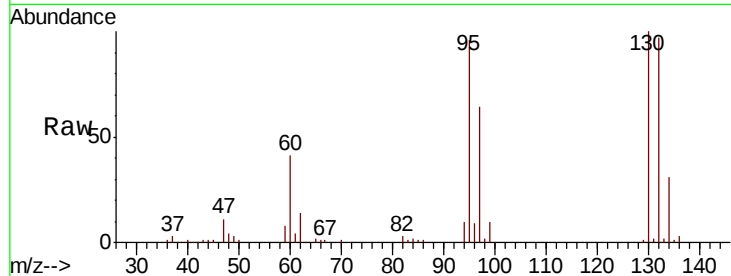
#37
 Trichloroethene
 Concen: 21.016 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion:130 Resp: 218532
 Ion Ratio Lower Upper
 130 100
 95 96.4 81.0 121.4

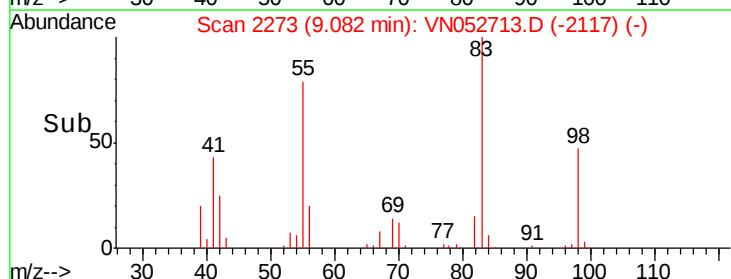
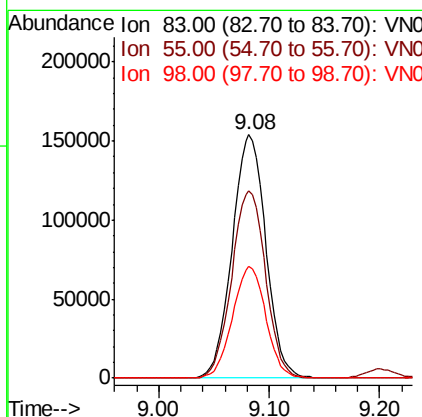
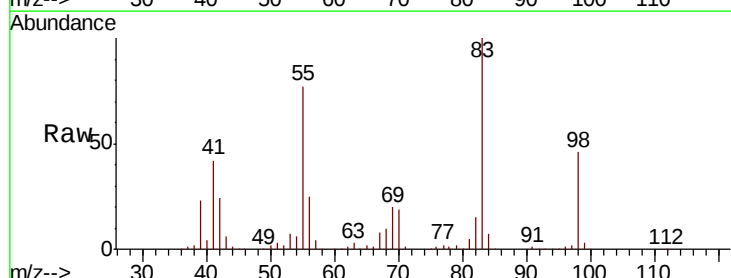
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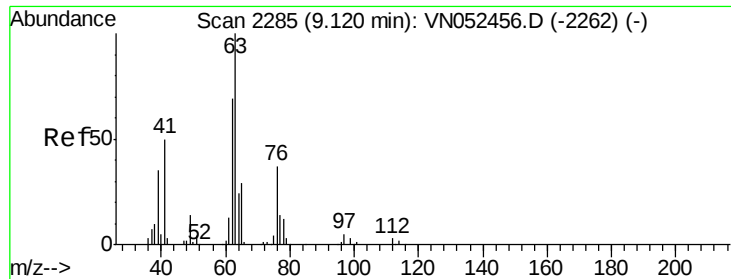
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#38
 Methylcyclohexane
 Concen: 19.287 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion: 83 Resp: 325651
 Ion Ratio Lower Upper
 83 100
 55 77.4 39.8 119.4
 98 45.5 22.9 68.5





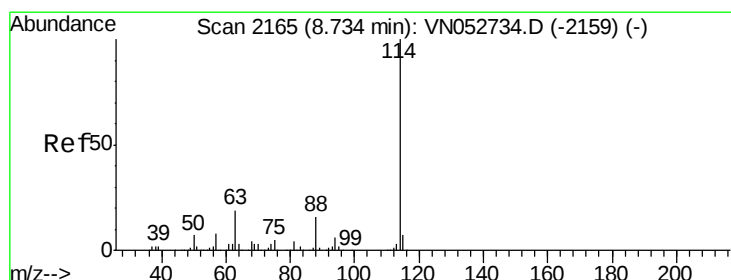
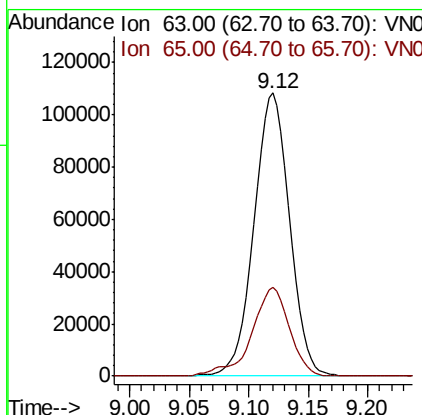
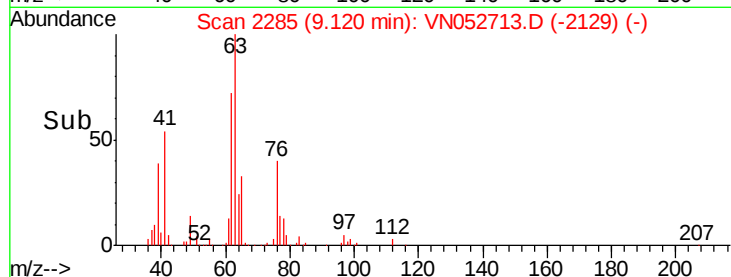
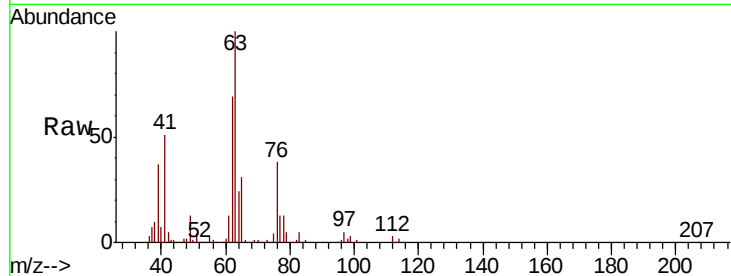
#39
 1,2-Dichloropropane
 Concen: 20.455 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion: 63 Resp: 224845
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.6 35.4

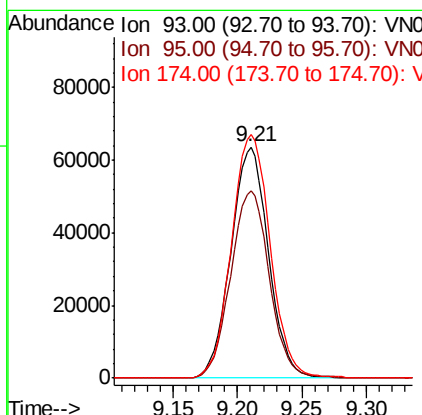
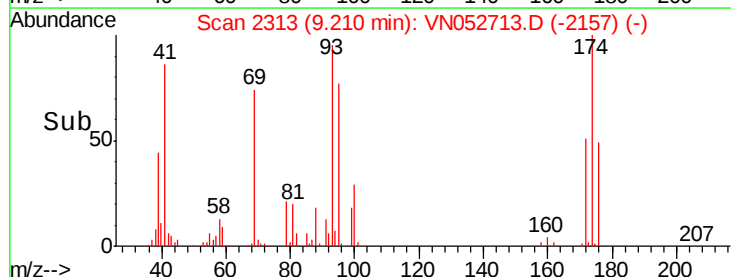
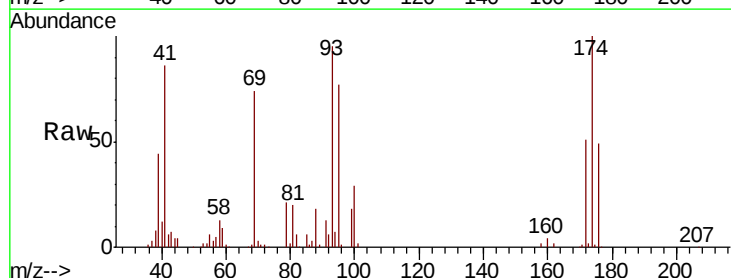
Manual Integrations
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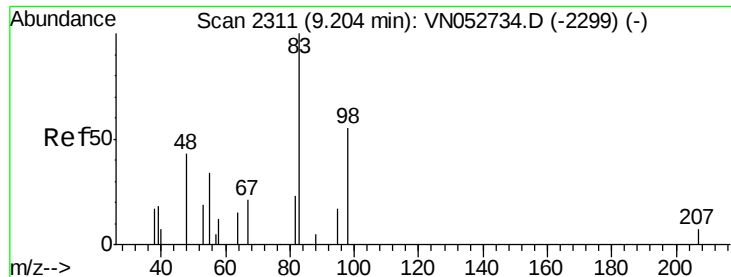
MMDadoda
 12/7/2018 1:13:10 PM



#40
 Dibromomethane
 Concen: 21.744 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion: 93 Resp: 129162
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 168.4
 174 108.3 0.0 210.0





#41

Bromodichloromethane

Concen: 20.818 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion: 83 Resp: 273216

Ion Ratio Lower Upper

83 100

85 65.0 52.4 78.6

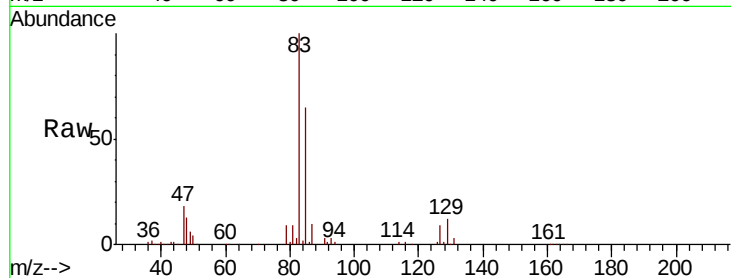
127 8.9 6.6 9.8

Manual Integrations

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MMDadoda

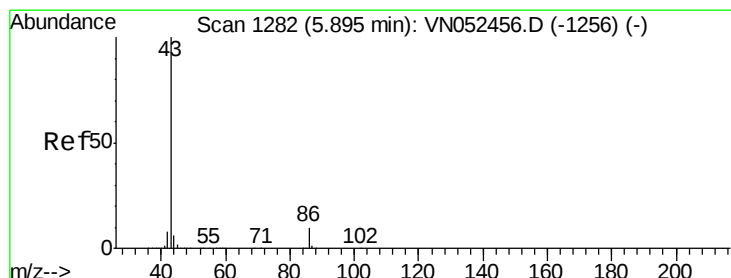
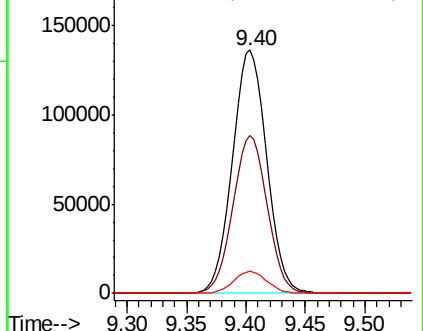
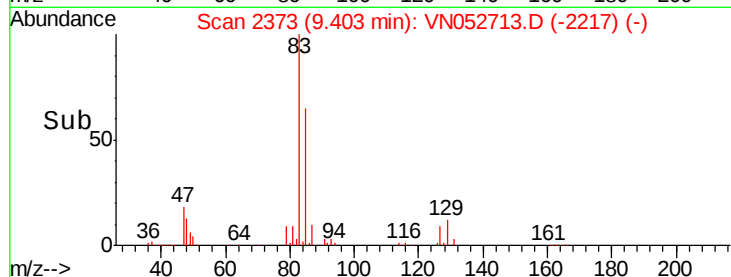
12/7/2018 1:13:10 PM



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: 103.219 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052713.D

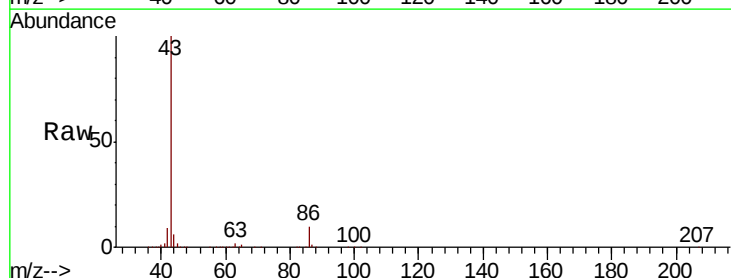
Acq: 6 Dec 2018 22:39

Tgt Ion: 43 Resp: 2038274

Ion Ratio Lower Upper

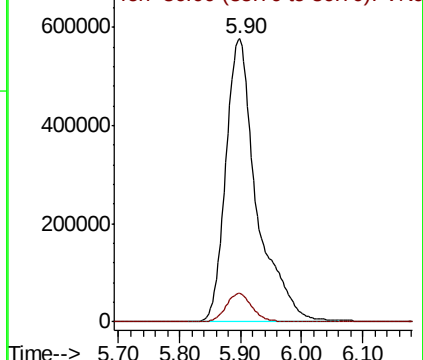
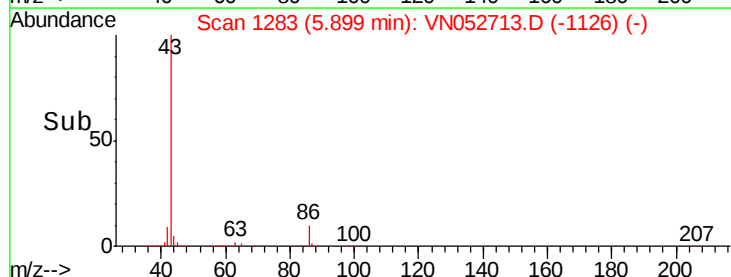
43 100

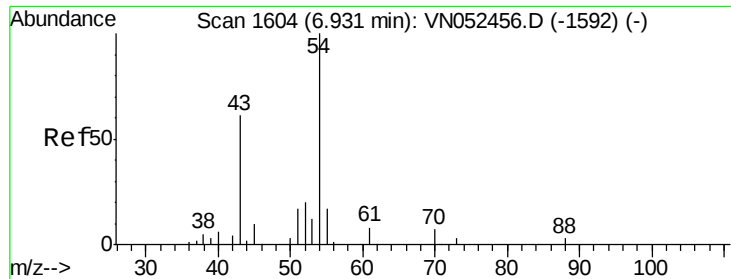
86 8.6 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





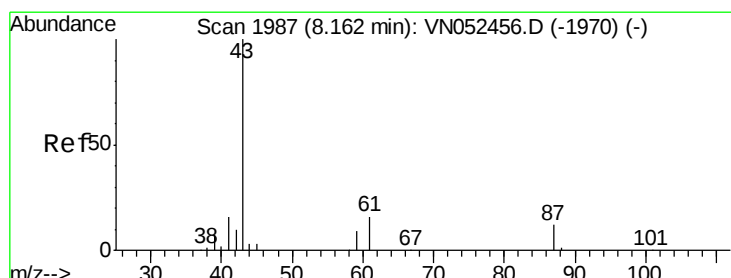
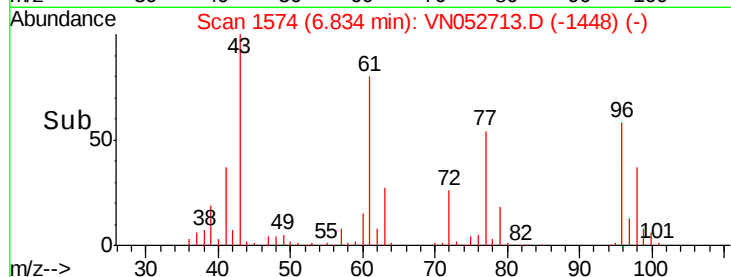
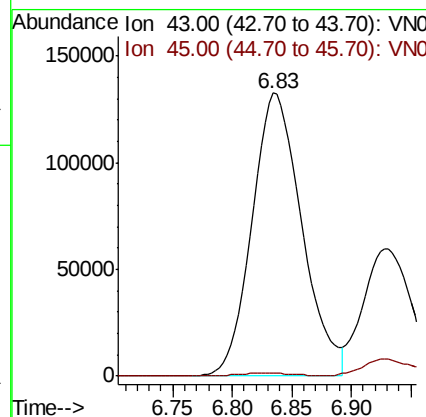
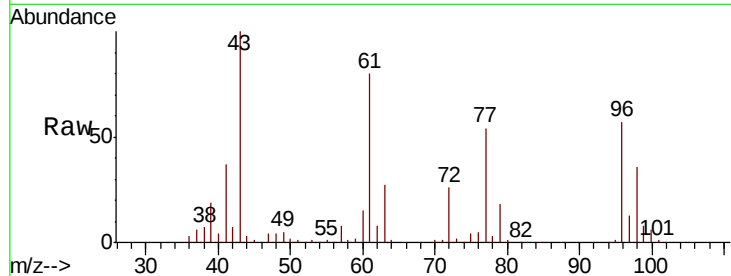
#43
Ethyl Acetate
Concen: 49.295 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.10 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion: 43 Resp: 382565
Ion Ratio Lower Upper
43 100
45 1.4 1.0 1.6

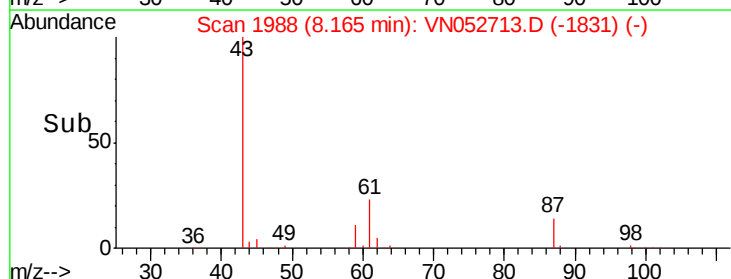
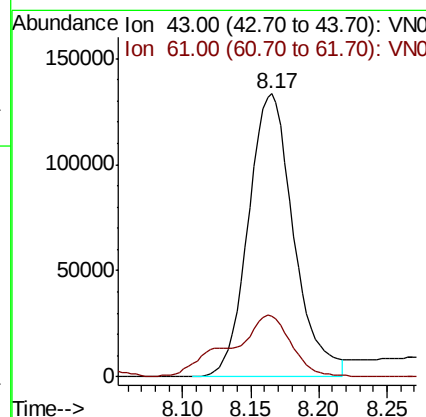
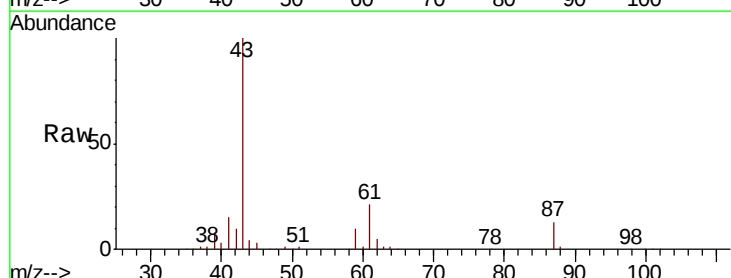
Manual Integrations
APPROVED

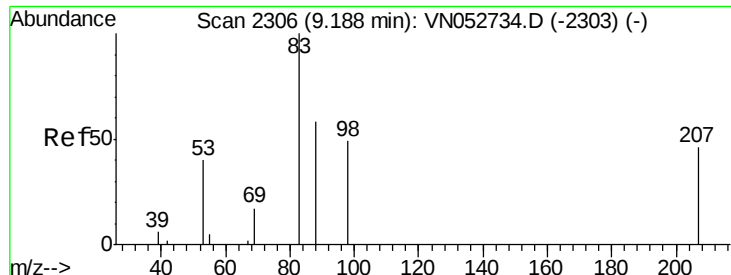
MMDadoda
12/7/2018 1:13:10 PM



#44
Isopropyl Acetate
Concen: 22.450 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion: 43 Resp: 305559
Ion Ratio Lower Upper
43 100
61 19.4 16.0 24.0





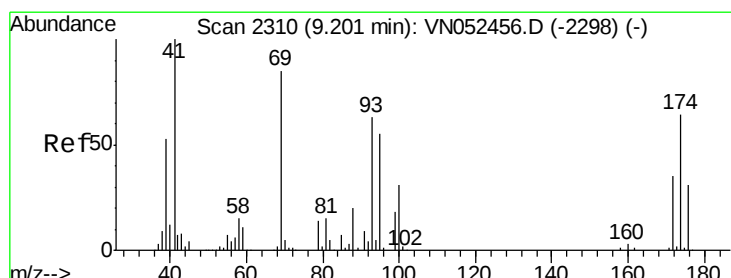
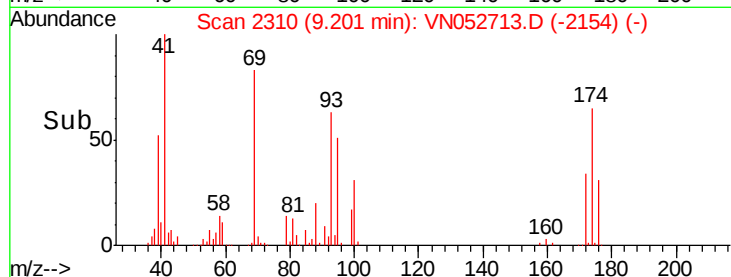
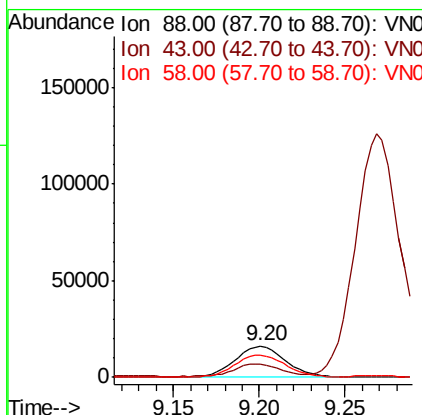
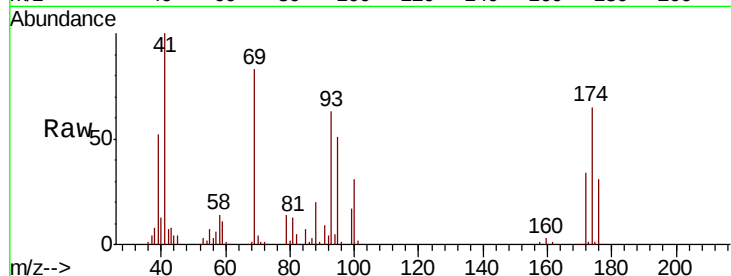
#45
1,4-Dioxane
Concen: 446.445 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	88	Resp	33242
Ion Ratio	Lower	Upper	
88	100		
43	35.3	29.5	44.3
58	72.5	61.5	92.3

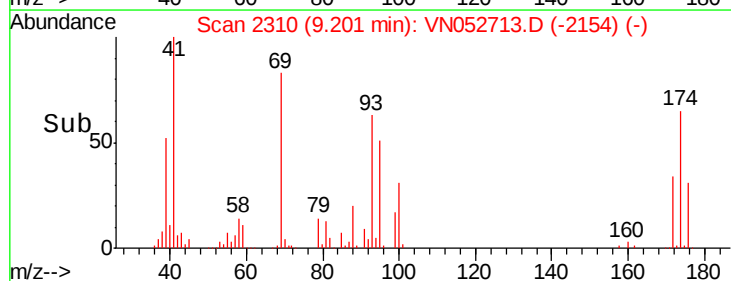
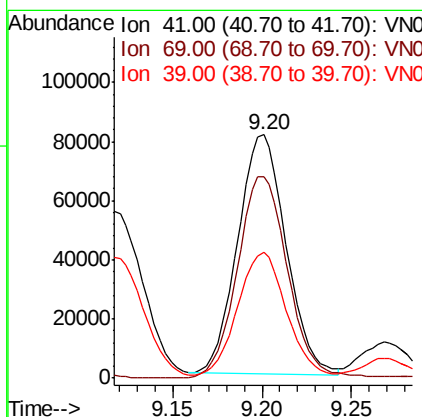
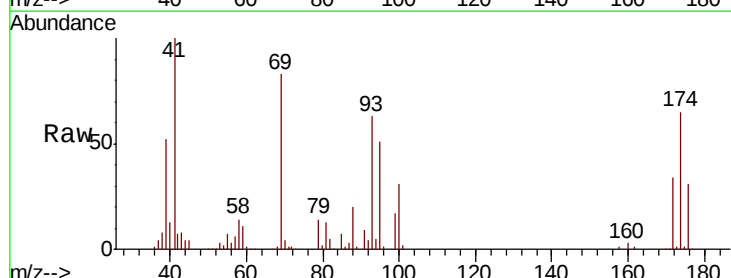
Manual Integrations
APPROVED

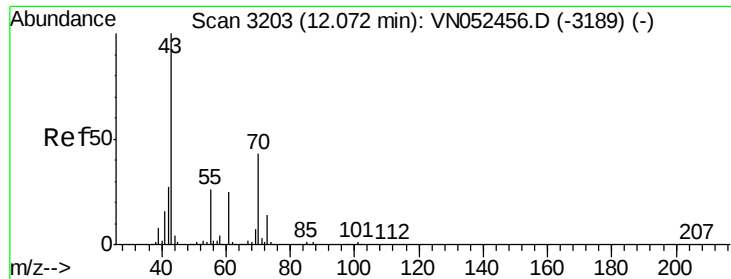
MMDadoda
12/7/2018 1:13:10 PM



#46
Methyl methacrylate
Concen: 21.723 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	41	Resp	153517
Ion Ratio	Lower	Upper	
41	100		
69	84.3	42.5	127.6
39	51.4	26.3	78.9





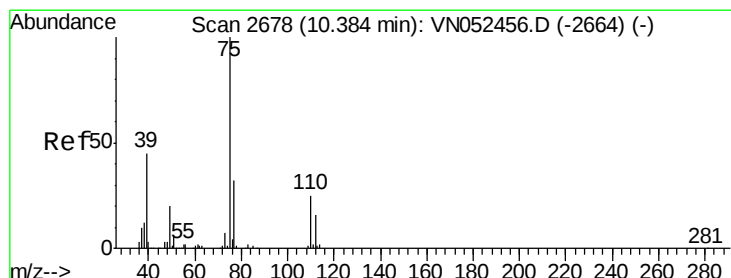
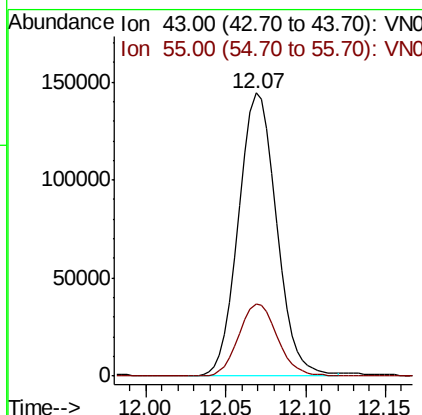
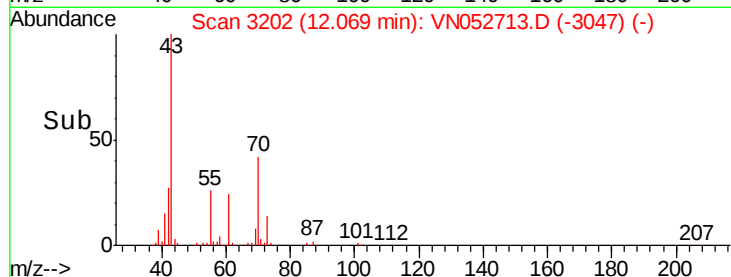
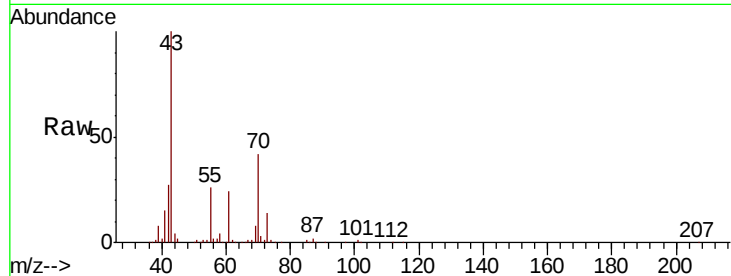
#47
n-amvl Acetate
Concen: 20.608 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion: 43 Resp: 232561
Ion Ratio Lower Upper
43 100
55 26.1 21.1 31.7

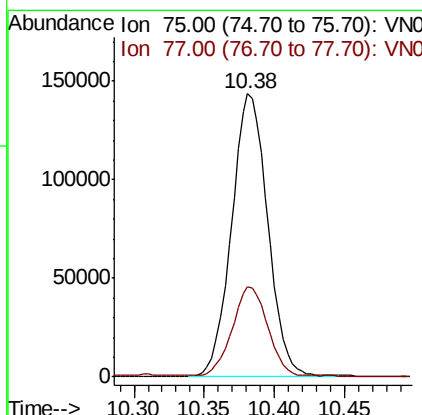
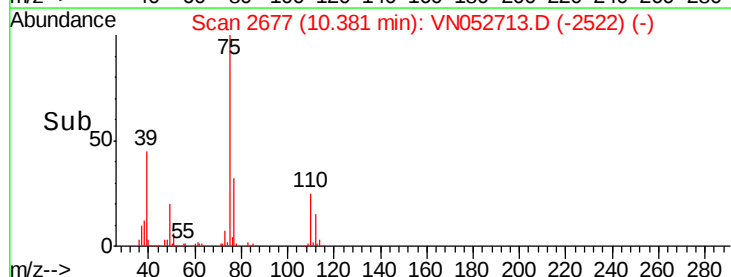
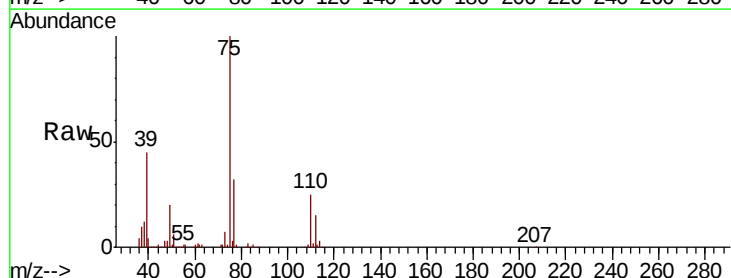
Manual Integrations
APPROVED

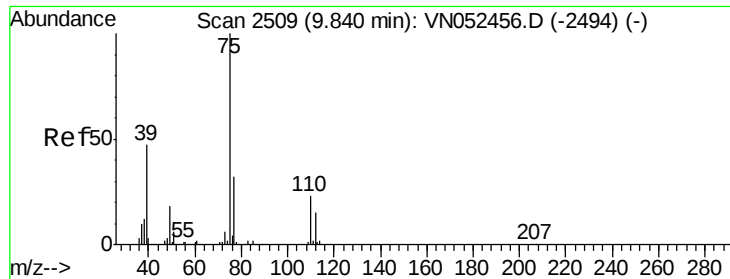
MMDadoda
12/7/2018 1:13:10 PM



#48
t-1,3-Dichloropropene
Concen: 20.258 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion: 75 Resp: 257789
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4





#49

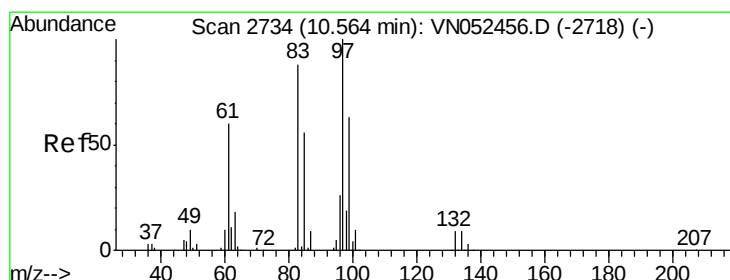
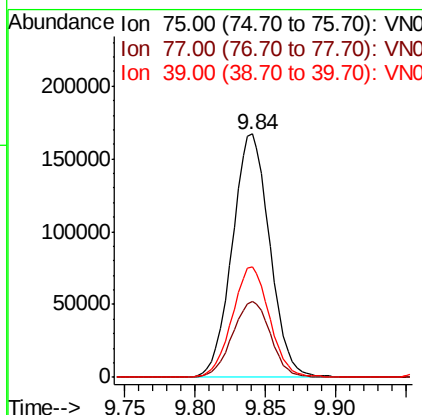
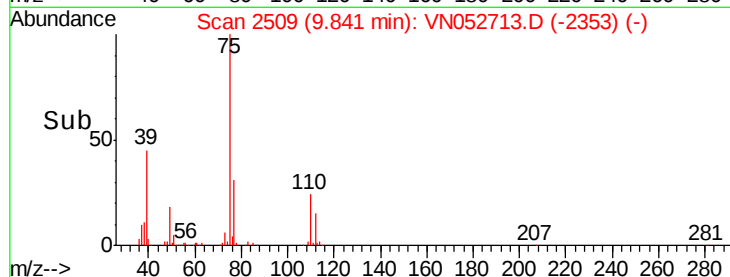
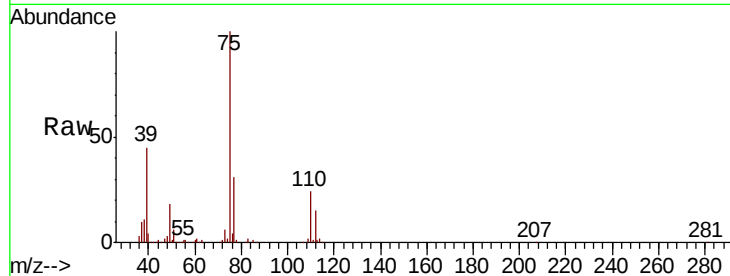
cis-1,3-Dichloropropene
Concen: 20.070 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion:	75	Resp:	311164
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.4	38.0
39	45.3	37.3	55.9

Manual Integrations
APPROVED

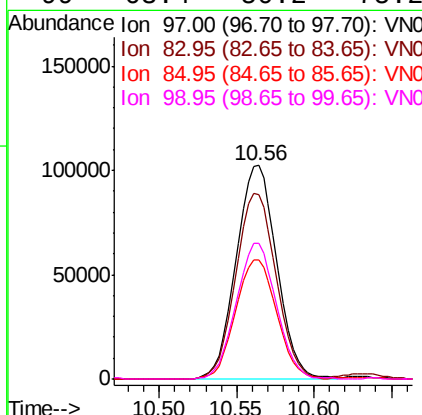
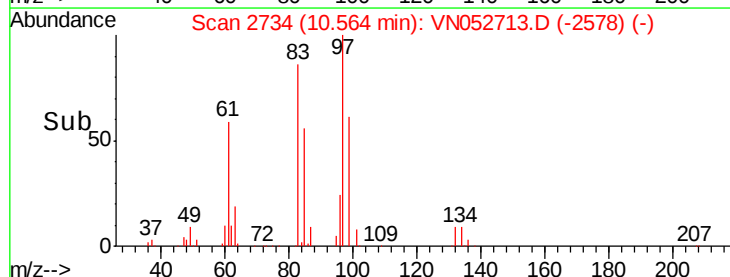
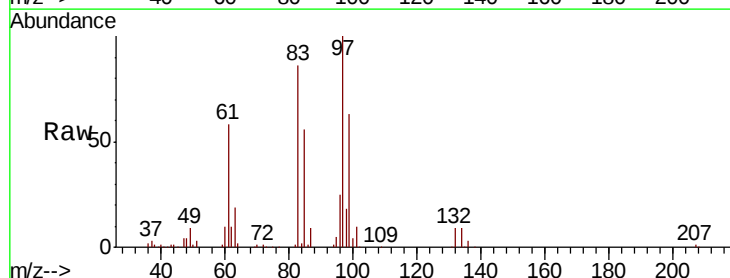
MMDadoda
12/7/2018 1:13:10 PM

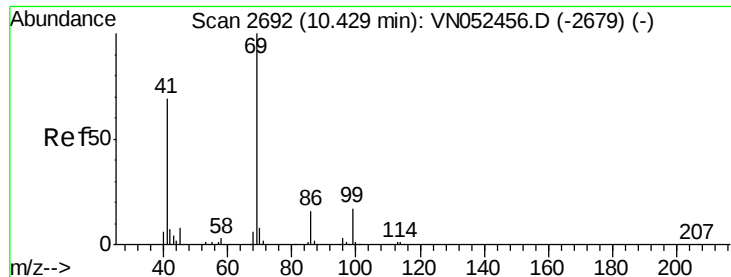


#50

1,1,2-Trichloroethane
Concen: 22.177 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion:	97	Resp:	186735
Ion Ratio	Lower	Upper	
97	100		
83	86.4	70.4	105.6
85	55.8	45.0	67.6
99	63.4	50.2	75.2





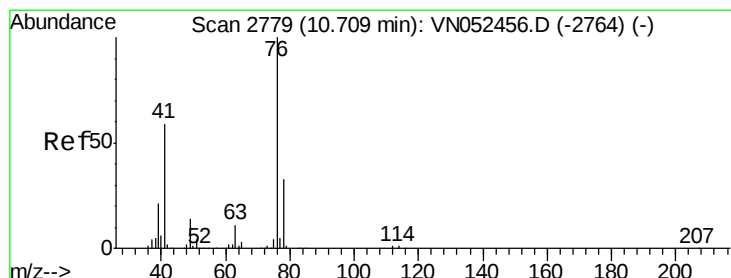
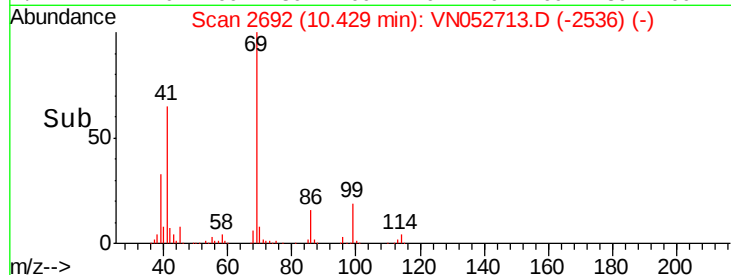
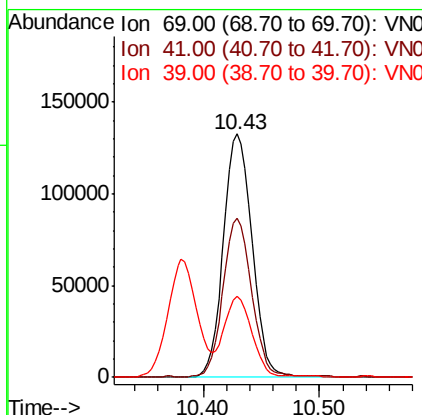
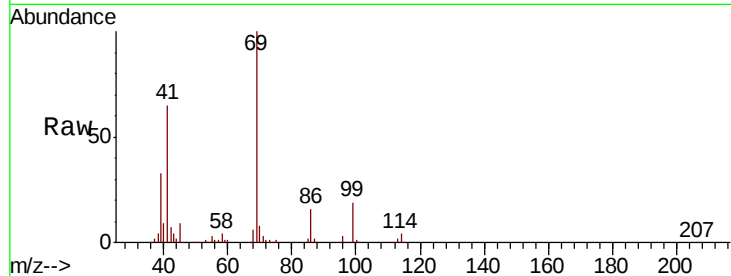
#51
Ethyl methacrylate
Concen: 21.549 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
69	100		
41	65.0	34.4	103.3
39	32.8	16.4	49.2

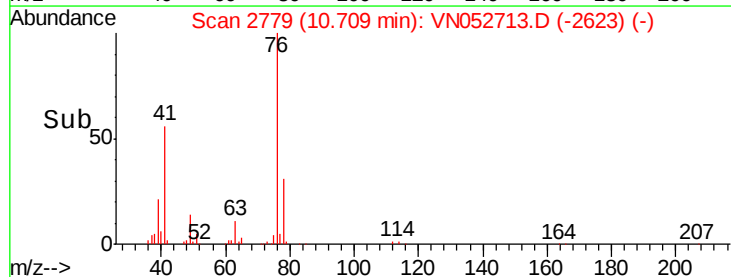
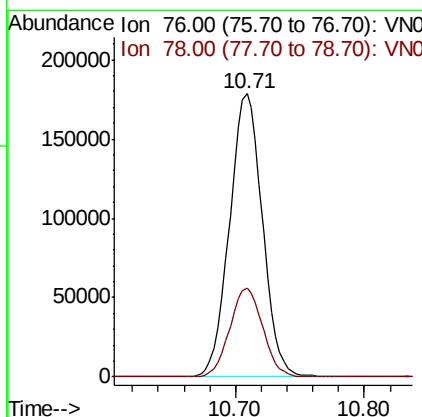
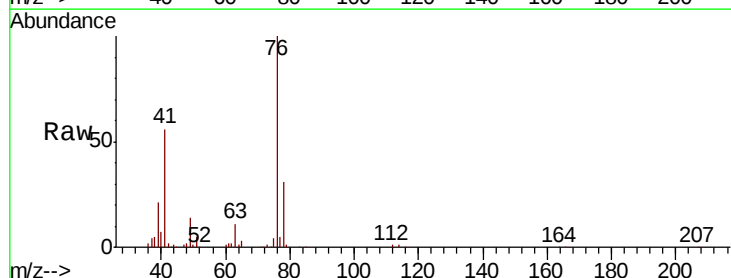
Manual Integrations
APPROVED

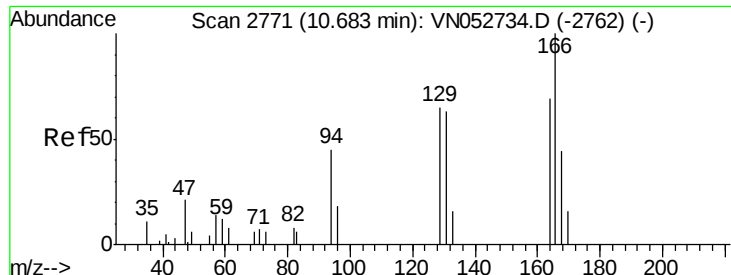
MMDadoda
12/7/2018 1:13:10 PM



#52
1,3-Dichloropropane
Concen: 21.088 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	64.8





#53

Dibromochloromethane

Concen: 21.223 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion:129 Resp: 196740

Ion Ratio Lower Upper

129 100

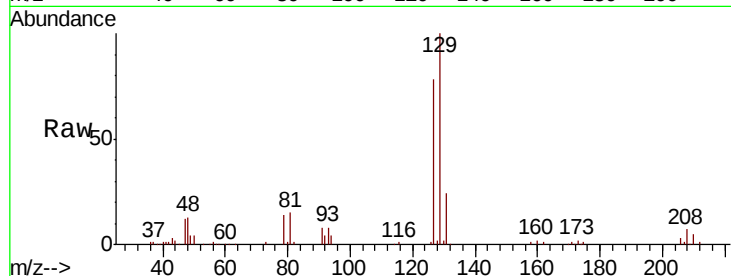
127 77.2 37.6 112.8

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

120000

100000

80000

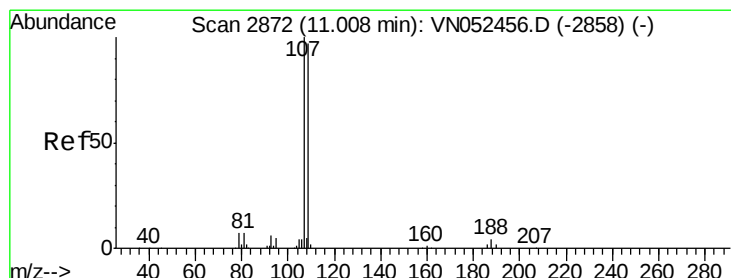
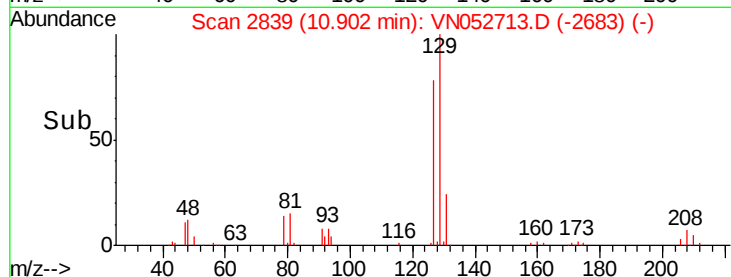
60000

40000

20000

0

Time-->



#54

1,2-Dibromoethane

Concen: 22.059 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052713.D

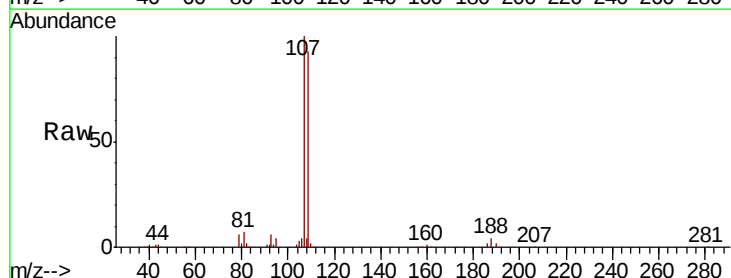
Acq: 6 Dec 2018 22:39

Tgt Ion:107 Resp: 181497

Ion Ratio Lower Upper

107 100

109 92.7 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

100000

80000

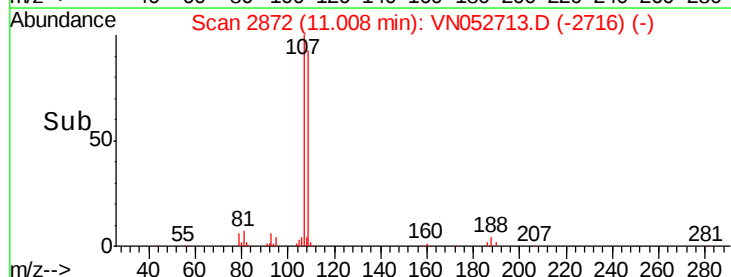
60000

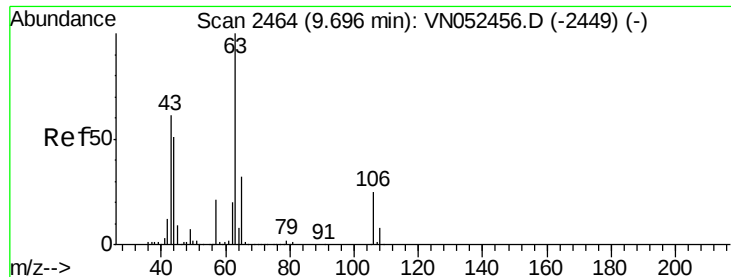
40000

20000

0

Time-->





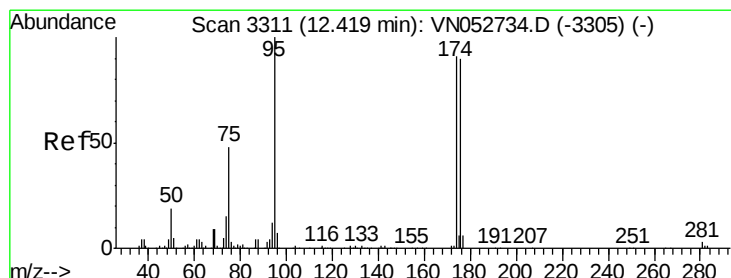
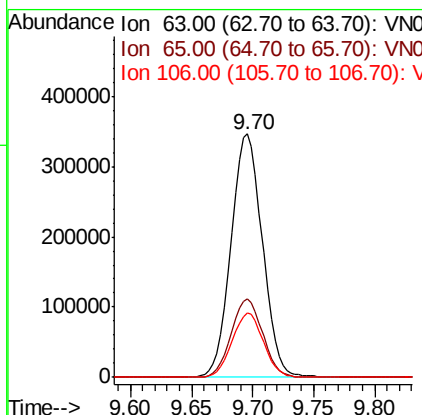
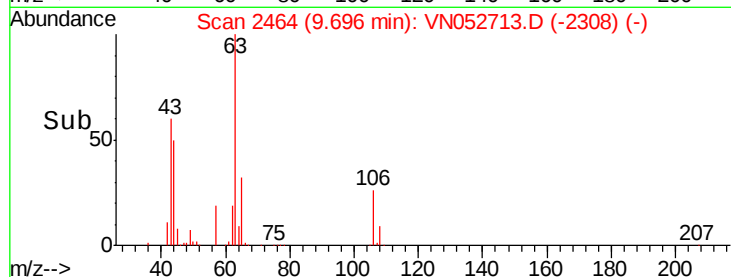
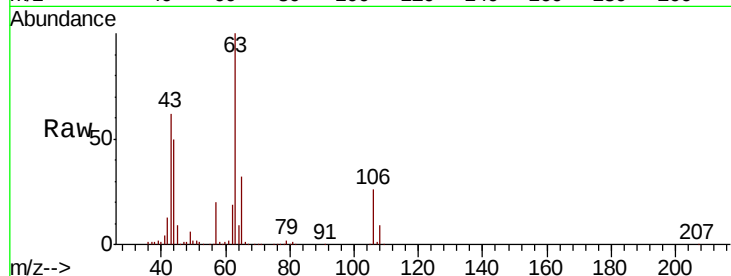
#55
2-Chloroethyl vinyl ether
Concen: 100.384 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2
106	26.4	20.4	30.6

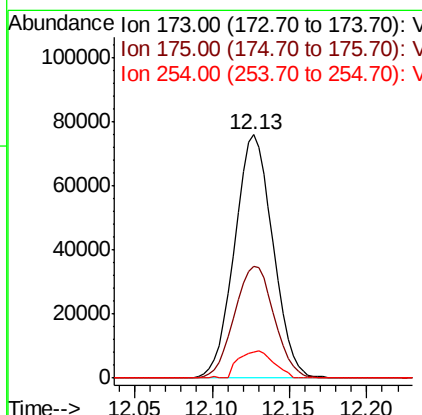
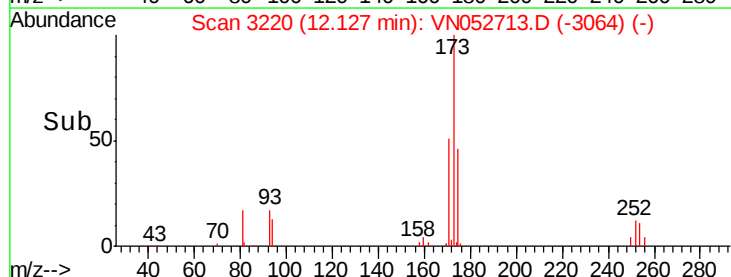
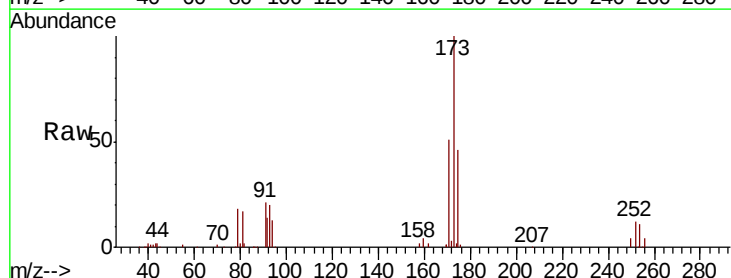
Manual Integrations
APPROVED

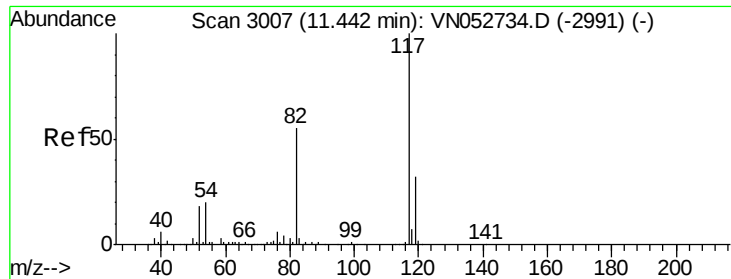
MMDadoda
12/7/2018 1:13:10 PM



#56
Bromoform
Concen: 21.622 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.7	58.1
254	10.2	8.4	12.6





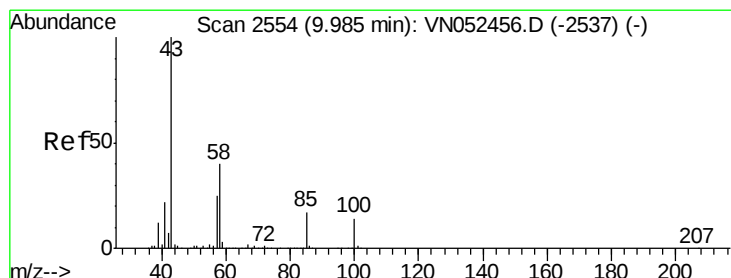
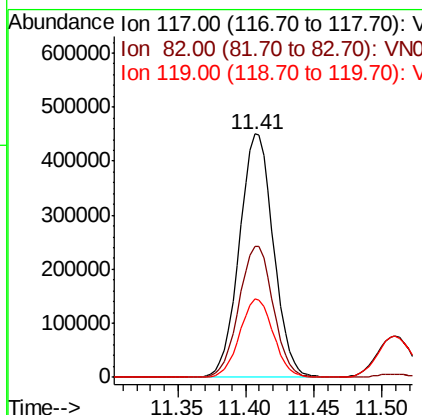
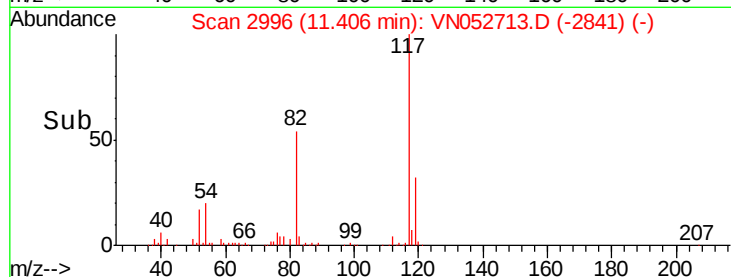
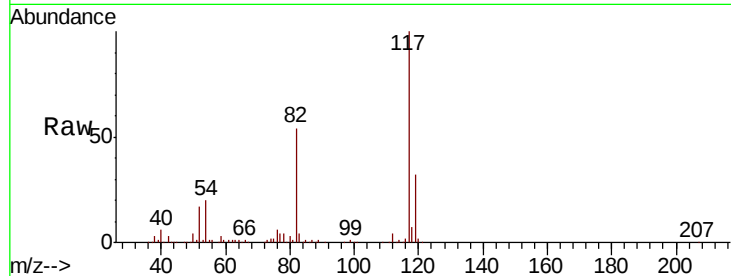
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.2	66.2
119	31.8	25.4	38.2

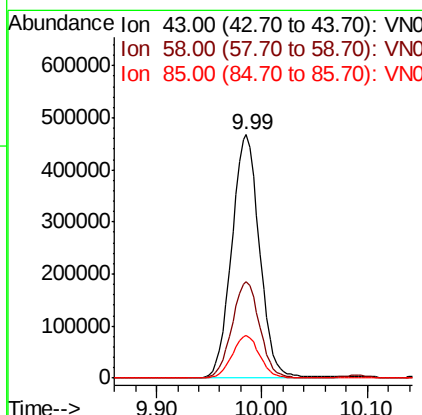
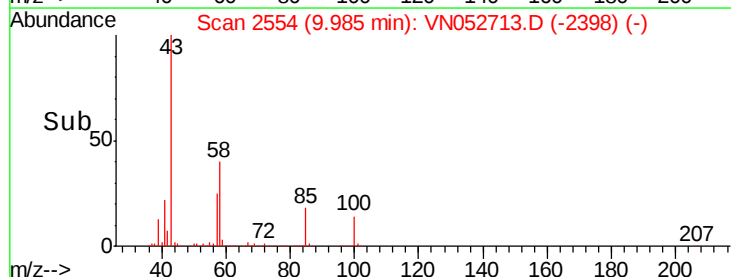
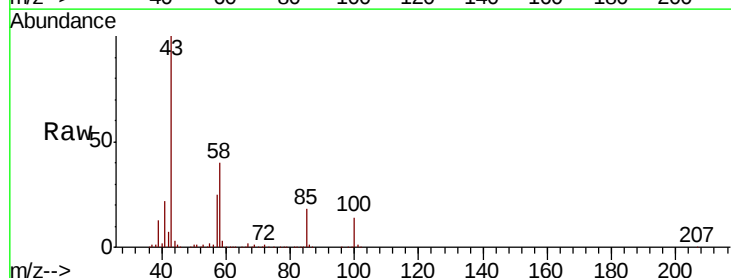
Manual Integrations
APPROVED

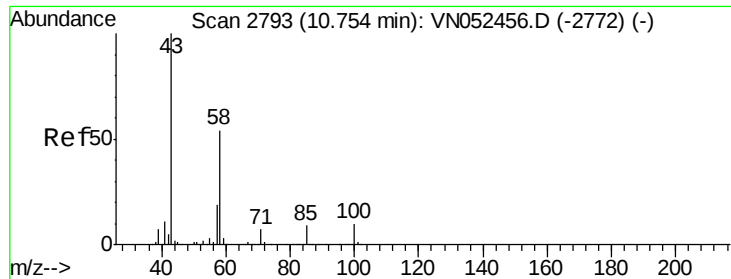
MMDadoda
12/7/2018 1:13:10 PM



#58
4-Methyl-2-Pentanone
Concen: 112.373 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.6	47.4
85	17.4	13.3	19.9





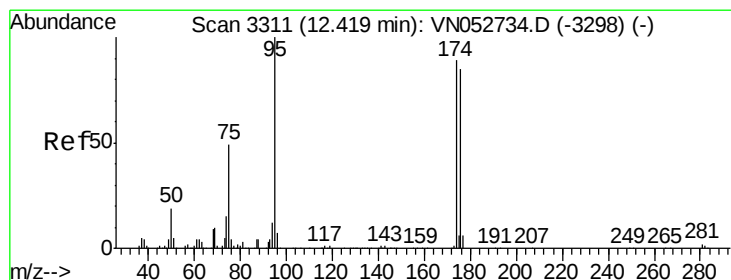
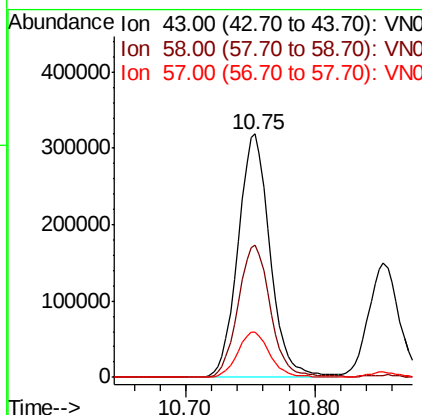
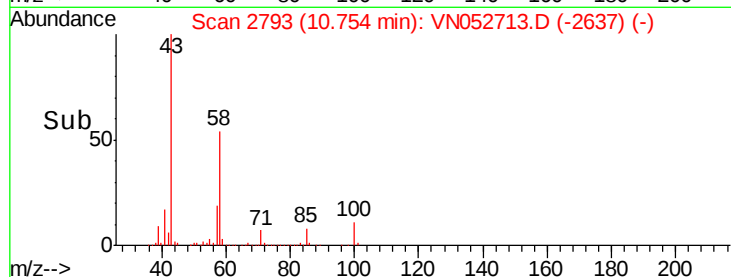
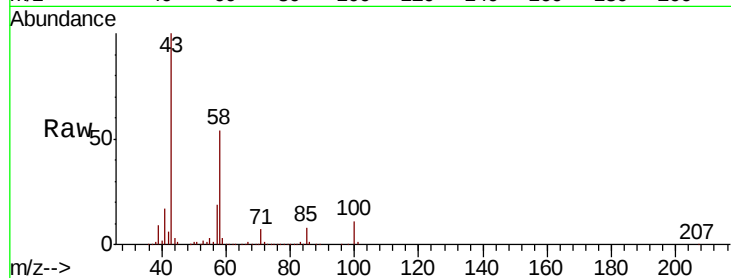
#59
2-Hexanone
Concen: 106.340 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.2	64.8
57	18.9	14.9	22.3

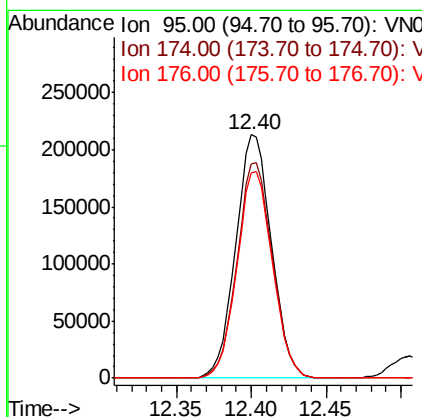
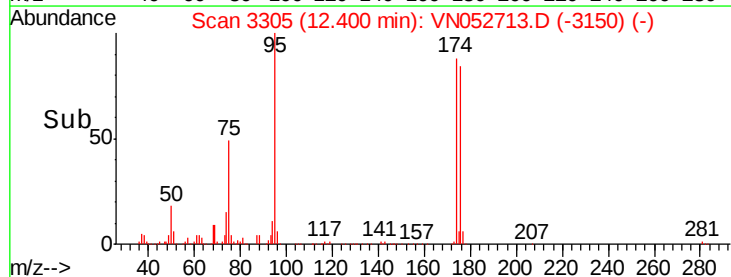
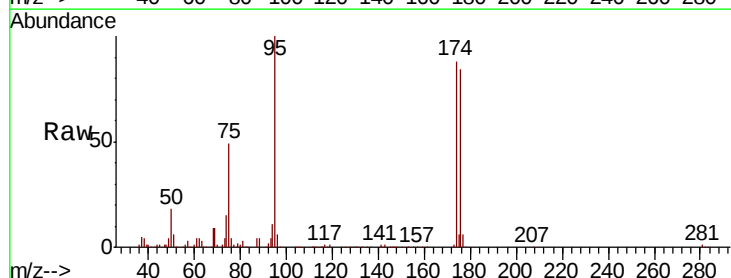
Manual Integrations
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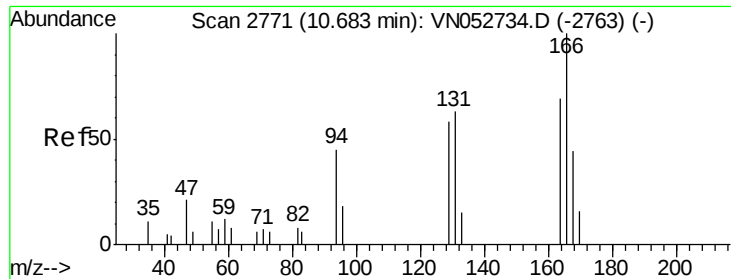
MMDadoda
12/7/2018 1:13:10 PM



#60
4-Bromofluorobenzene
Concen: 106.340 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	67.9	101.9
176	84.7	66.4	99.6





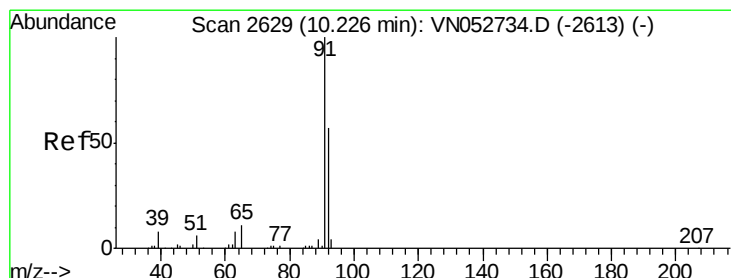
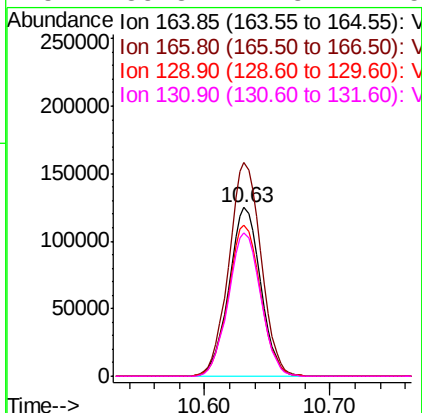
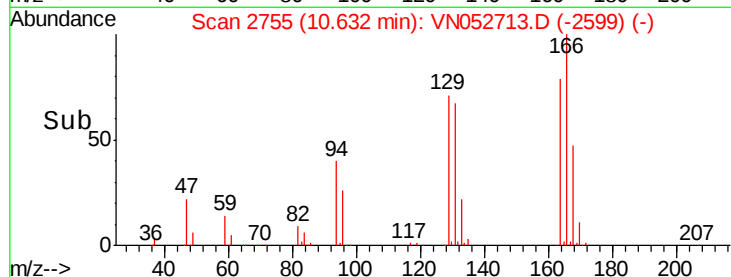
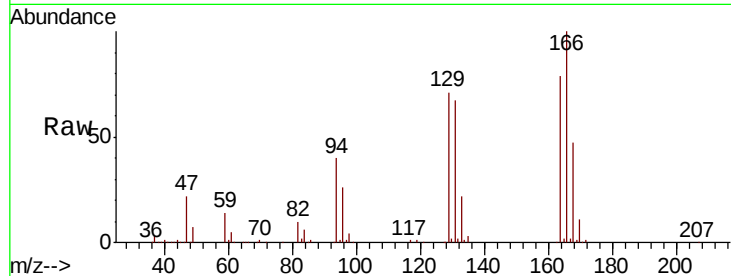
#61
Tetrachloroethene
Concen: 22.772 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.6	104.6	157.0
129	89.9	75.3	112.9
131	85.3	74.3	111.5

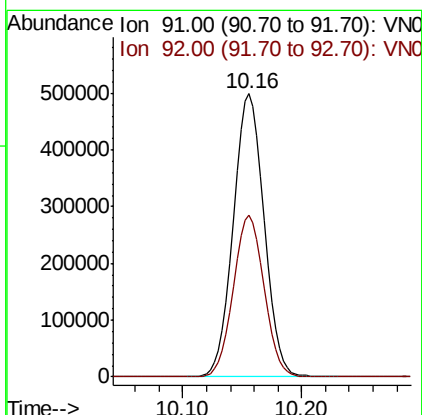
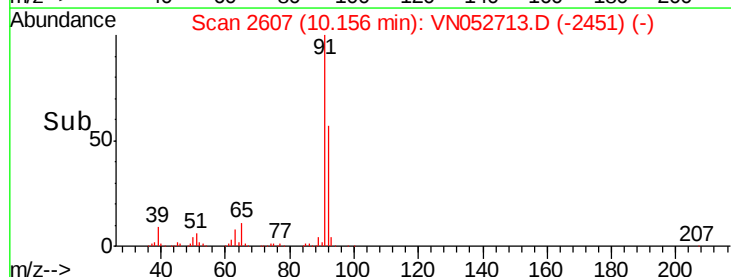
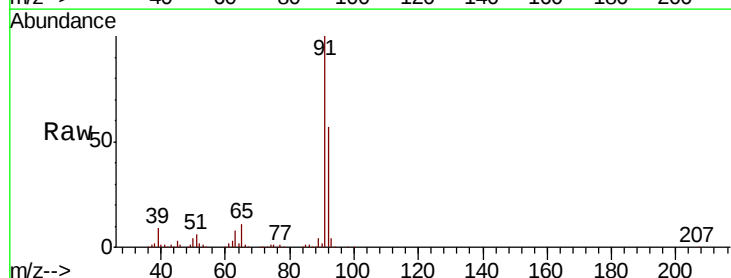
Manual Integrations
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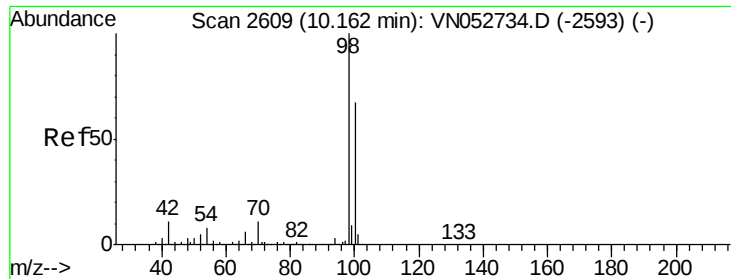
MMDadoda
12/7/2018 1:13:10 PM



#62
Toluene
Concen: 20.809 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.4	68.2





#63

Toluene-d8

Concen: 20.809 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion: 98 Resp: 1074805

Ion Ratio Lower Upper

98 100

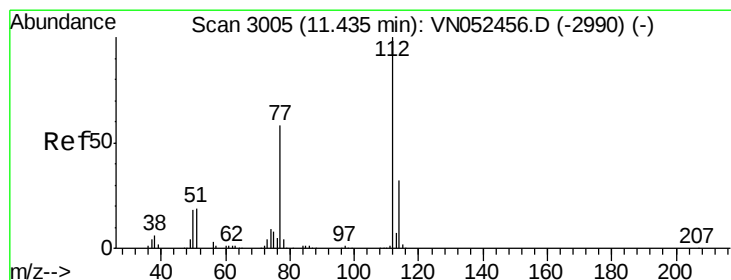
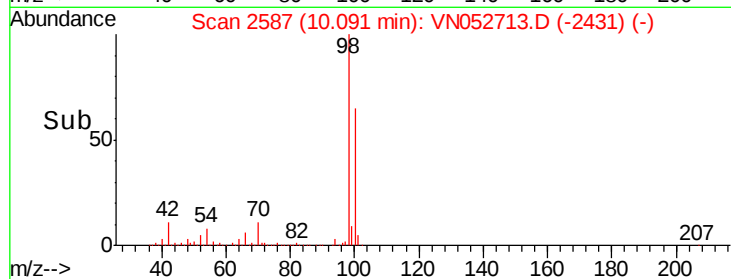
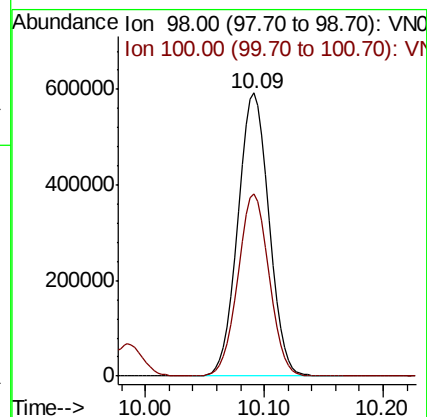
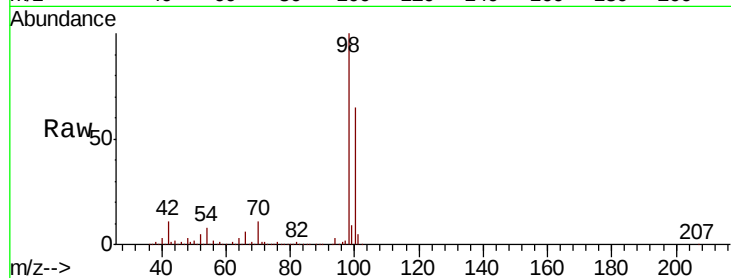
100 64.1 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 20.888 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052713.D

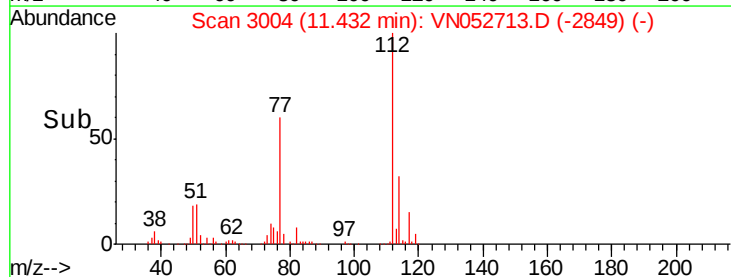
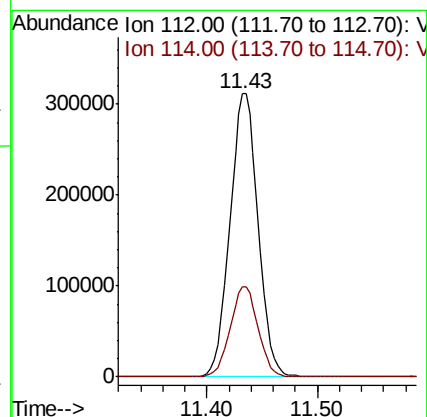
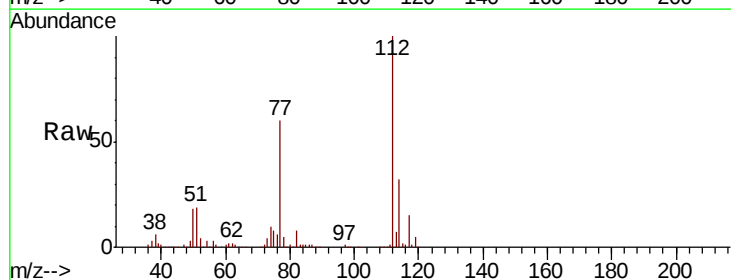
Acq: 6 Dec 2018 22:39

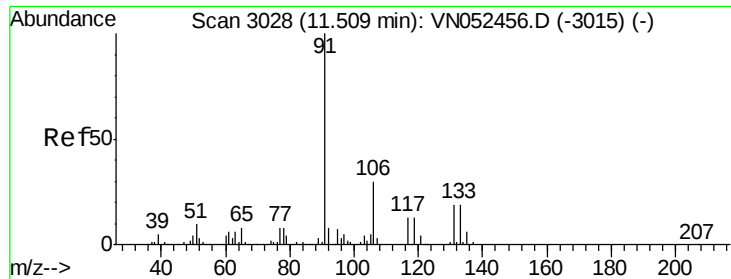
Tgt Ion: 112 Resp: 548433

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.712 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

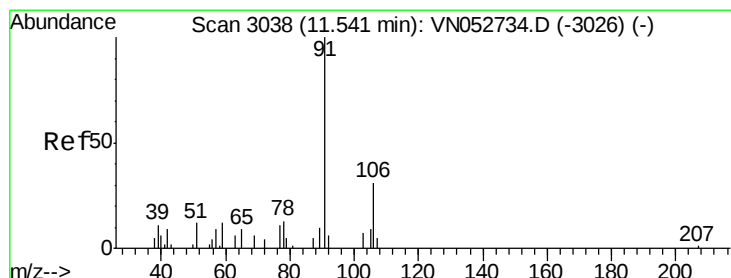
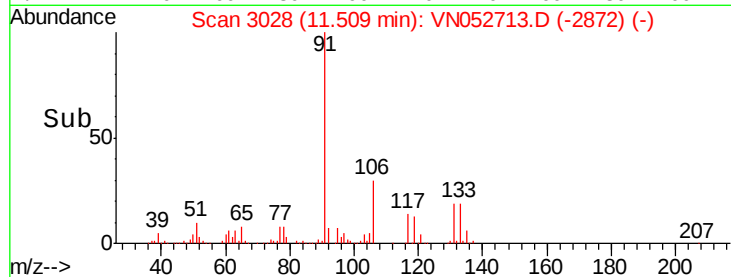
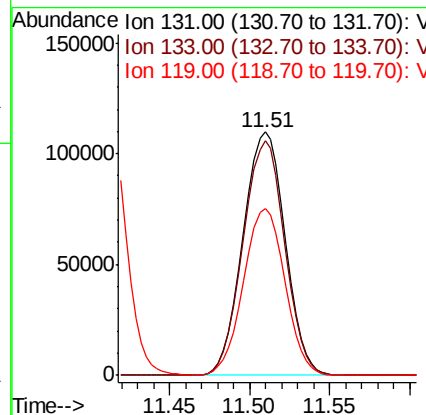
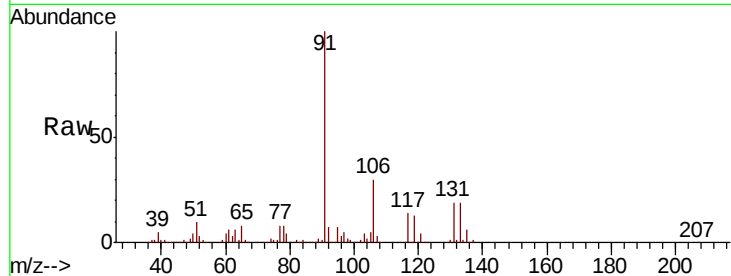
ClientSampleId :

VN1206WBSD02

Tot Ion:	131	Resp:	197875
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	193.4
119	67.3	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.560 ug/l

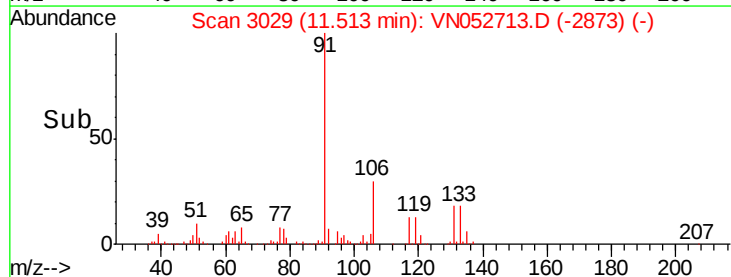
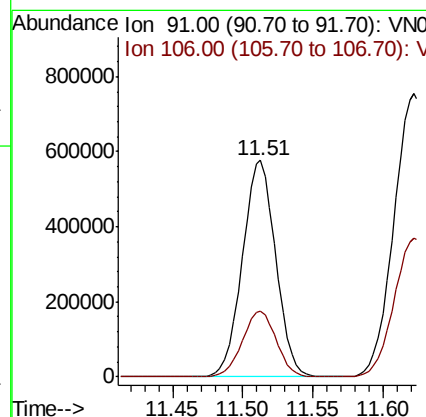
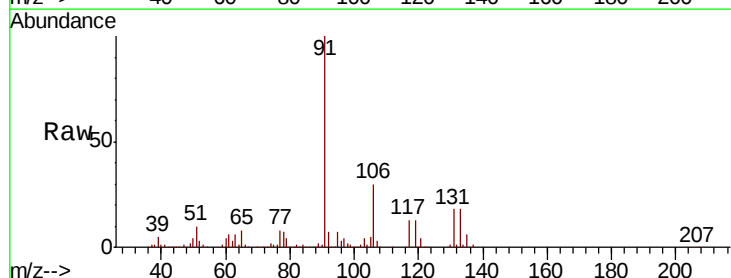
RT: 11.51 min Scan# 3029

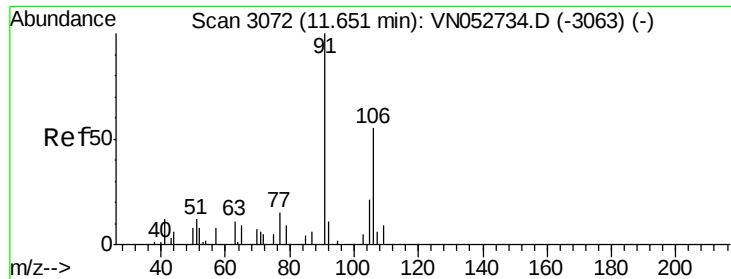
Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Tgt Ion:	91	Resp:	953186
Ion Ratio	Lower	Upper	
91	100		
106	30.4	24.3	36.5





#67

m/p-Xylenes

Concen: 41.619 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion:106 Resp: 718858

Ion Ratio Lower Upper

106 100

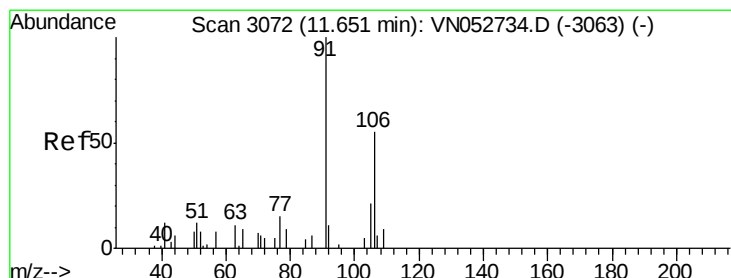
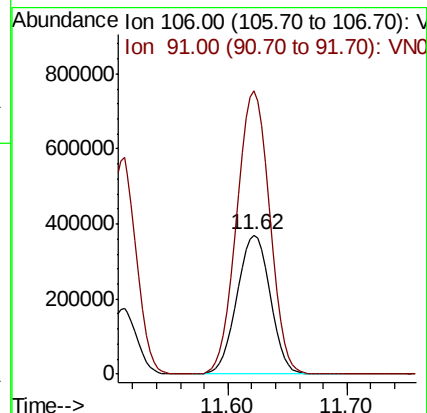
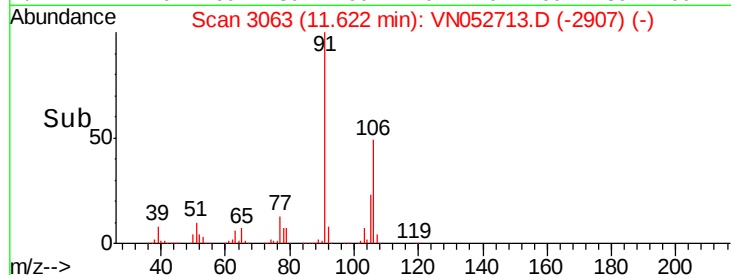
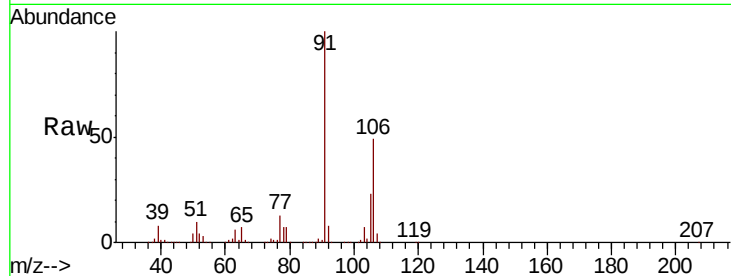
91 202.0 163.9 245.9

Manual Integrations

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12/7/2018 1:13:10 PM



#68

o-Xylene

Concen: 20.993 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052713.D

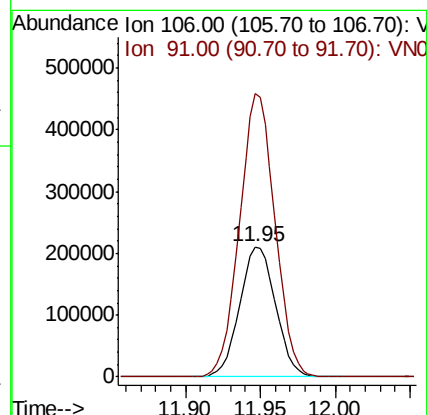
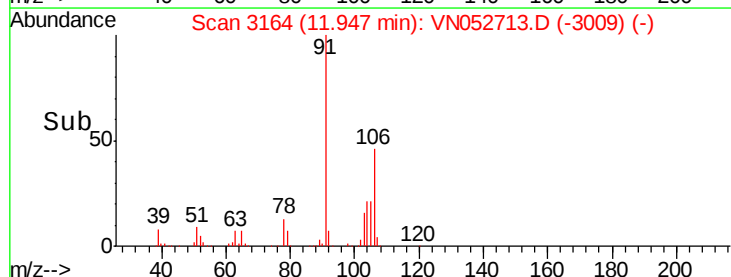
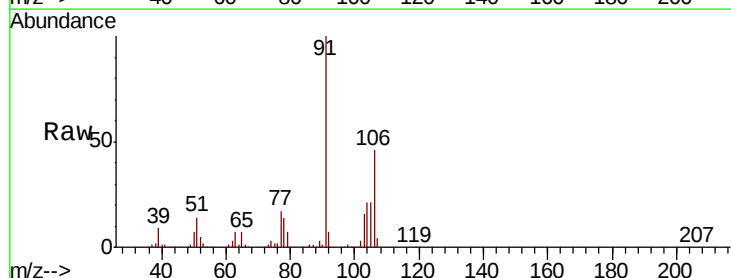
Acq: 6 Dec 2018 22:39

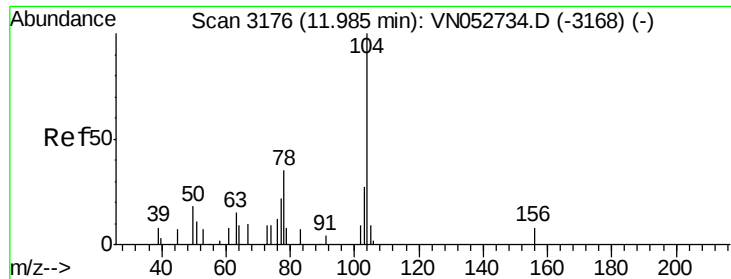
Tgt Ion:106 Resp: 351938

Ion Ratio Lower Upper

106 100

91 214.5 107.8 323.4





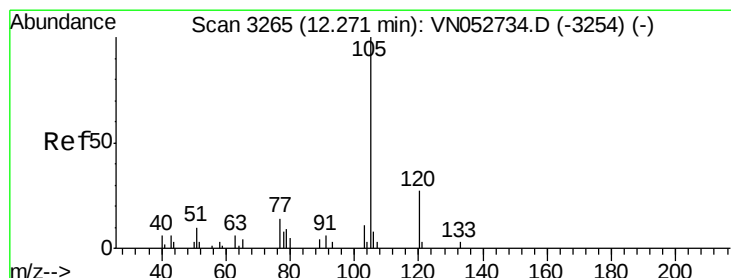
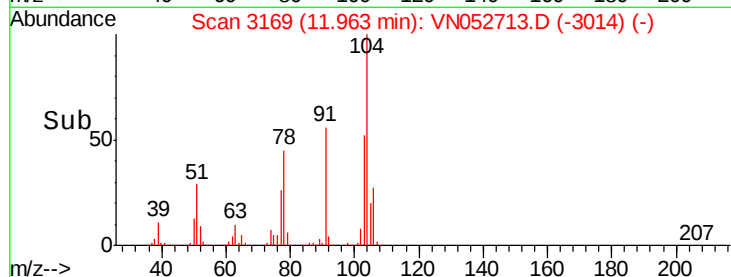
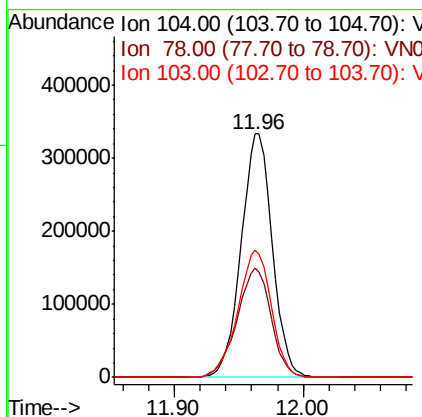
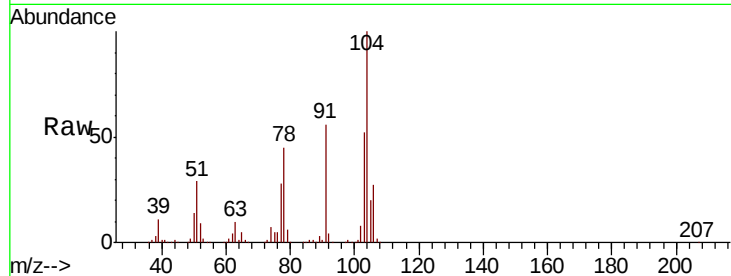
#69
Stvrene
Concen: 20.732 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	56.0	44.6	66.8

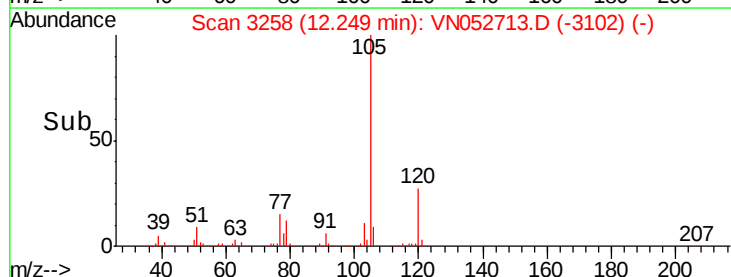
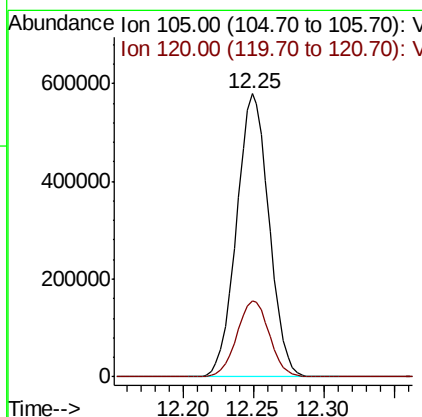
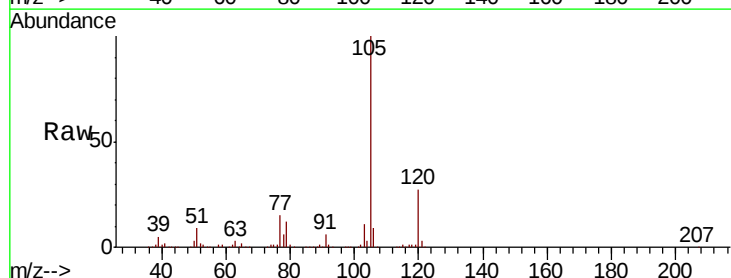
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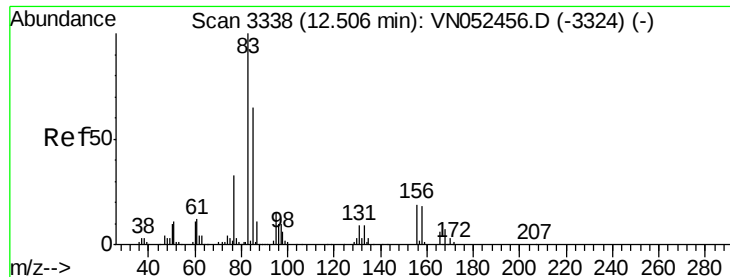
MMDadoda
12/7/2018 1:13:10 PM



#70
Isopropylbenzene
Concen: 20.894 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.6	34.6





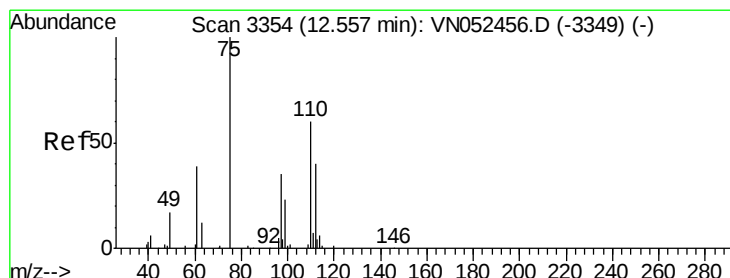
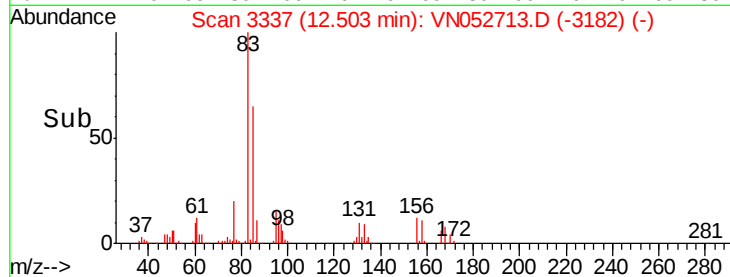
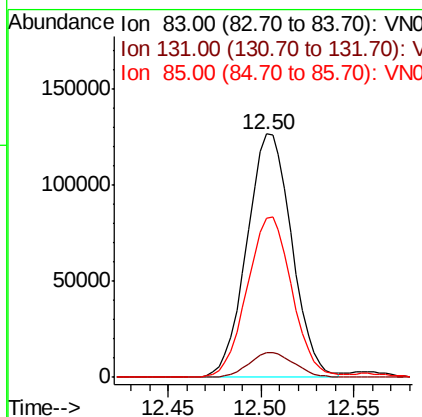
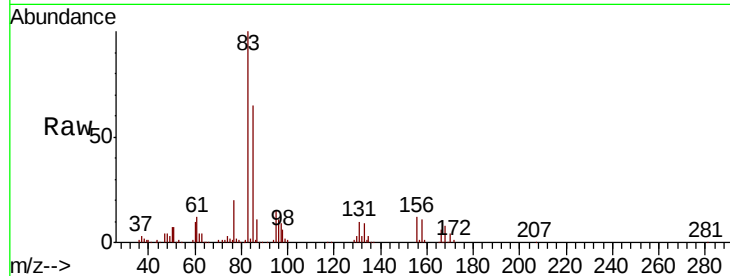
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.986 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.6
85	65.7	32.2	96.6

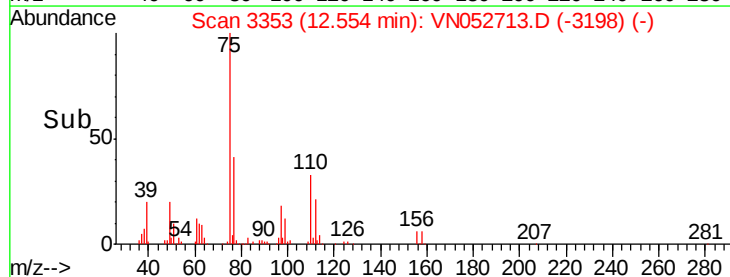
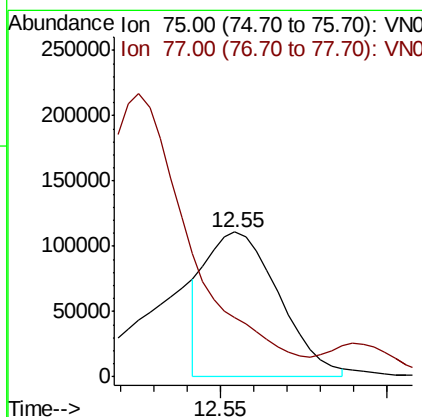
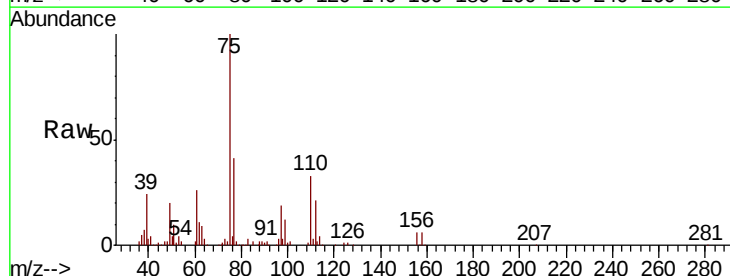
Manual Integrations
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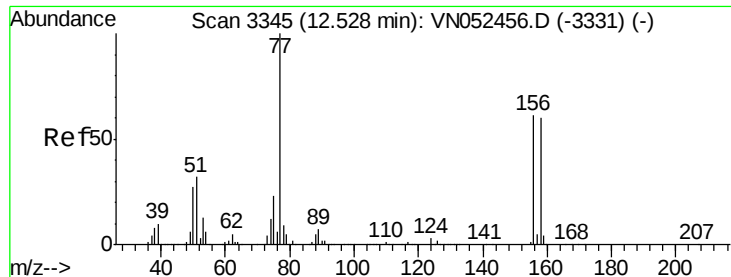
MMDadoda
 12/7/2018 1:13:10 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.366 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	251.5	0.0	514.8





#73

Bromobenzene

Concen: 21.457 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

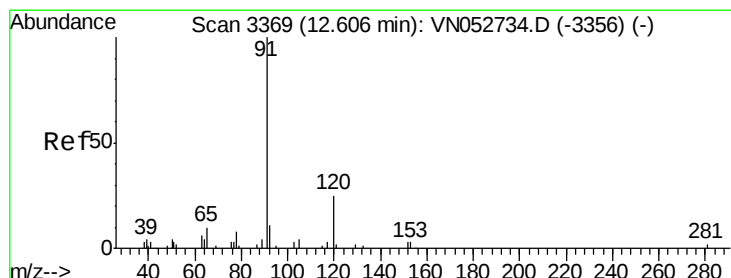
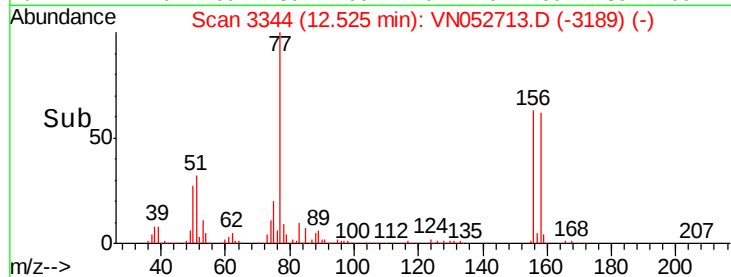
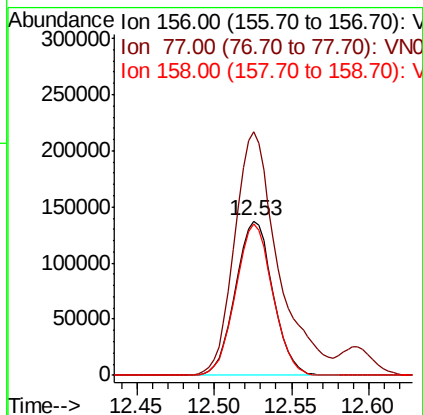
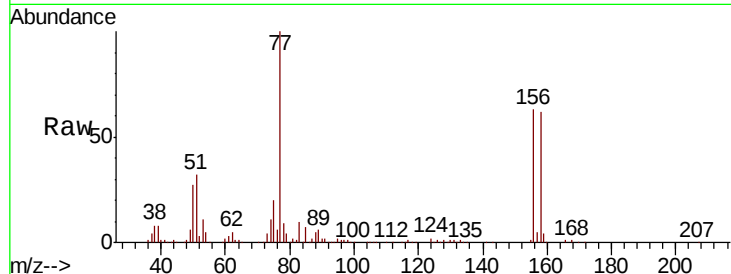
ClientSampleId :

VN1206WBSD02

Tot Ion:	156	Resp:	231478
Ion Ratio	Lower	Upper	
156	100		
77	184.3	0.0	382.6
158	97.2	0.0	196.8

Manual Integrations
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12/7/2018 1:13:10 PM



#74

n-propylbenzene

Concen: 20.227 ug/l

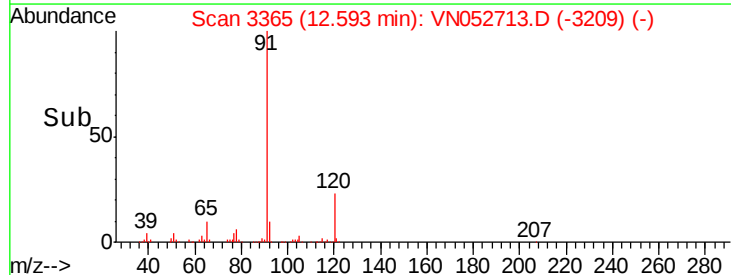
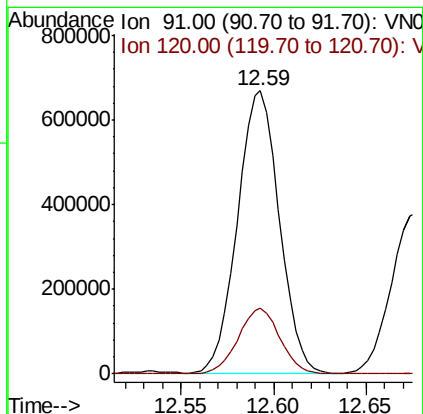
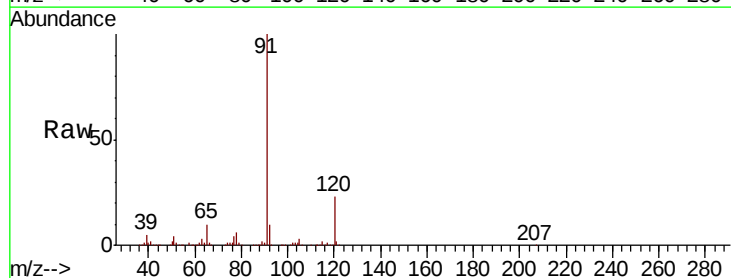
RT: 12.59 min Scan# 3365

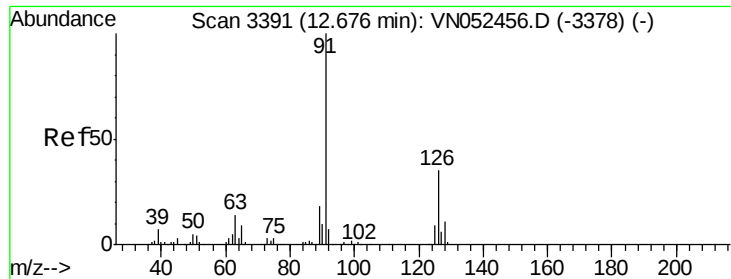
Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Tgt Ion:	91	Resp:	1051236
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.912 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion: 91 Resp: 630837

Ion Ratio Lower Upper

91 100

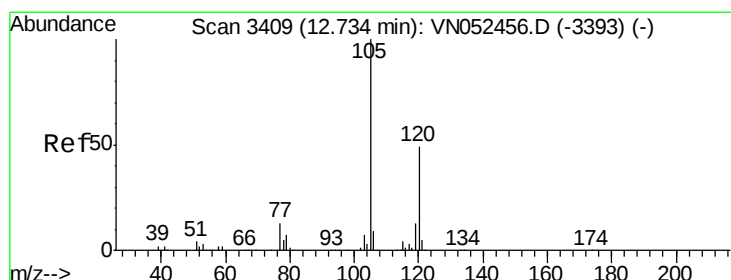
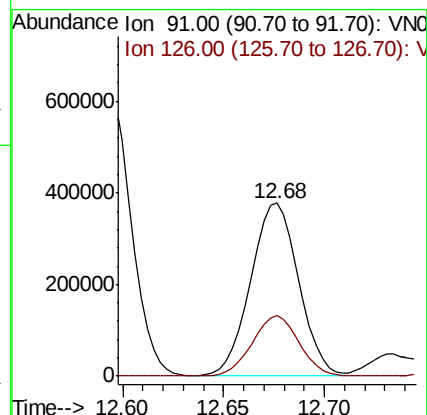
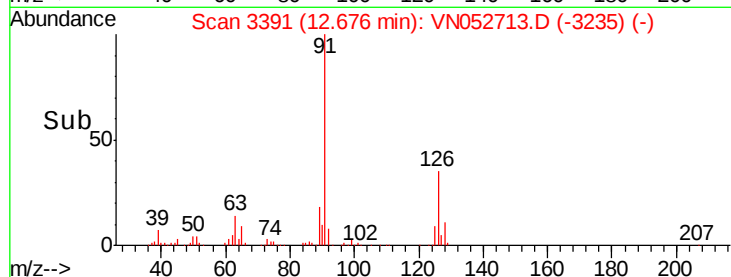
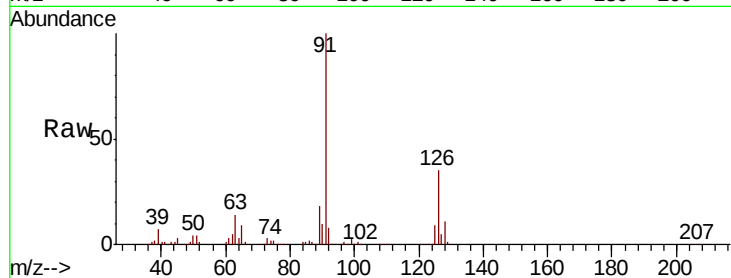
126 34.2 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.997 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052713.D

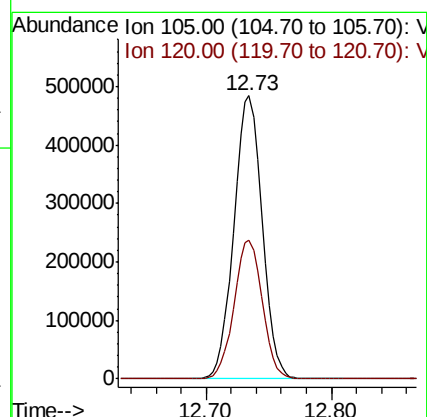
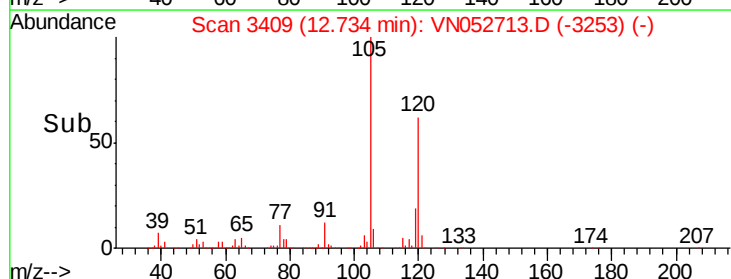
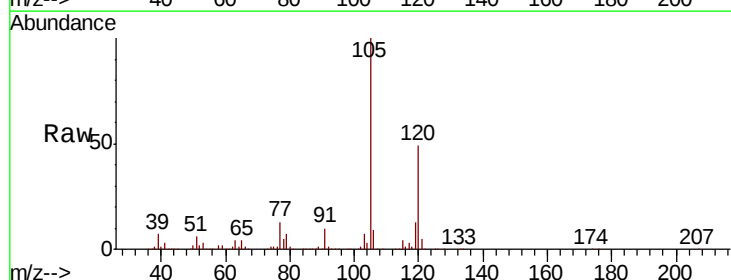
Acq: 6 Dec 2018 22:39

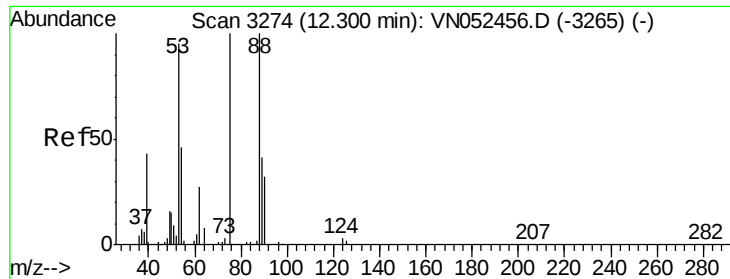
Tgt Ion: 105 Resp: 756466

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.420 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

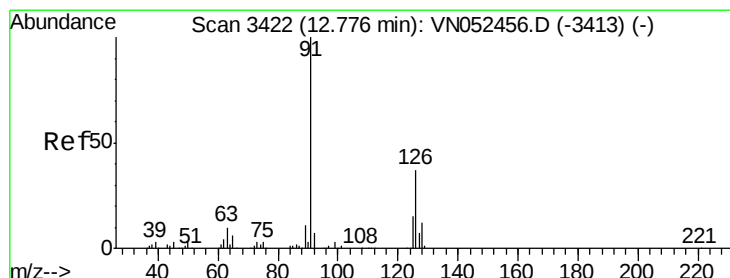
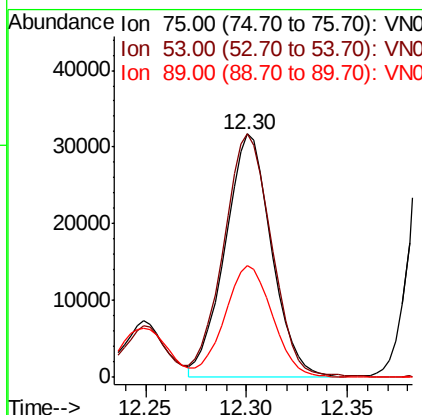
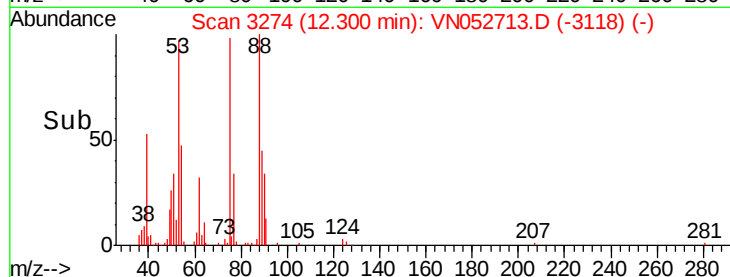
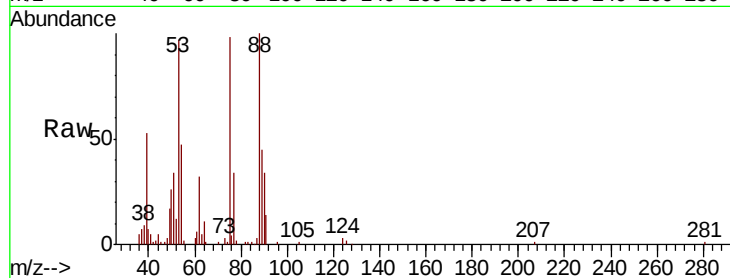
ClientSampleId :

VN1206WBSD02

Tot Ion:	75	Resp:	51098
Ion	Ratio	Lower	Upper
75	100		
53	98.8	48.5	145.6
89	46.1	21.7	65.1

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#78

4-Chlorotoluene

Concen: 20.626 ug/l

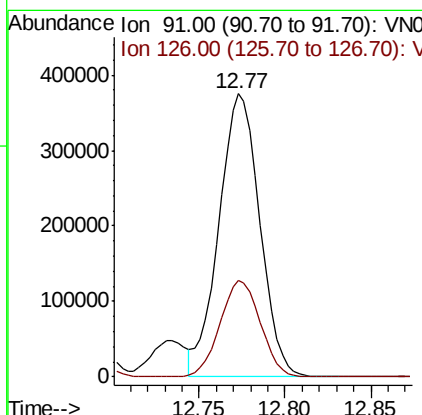
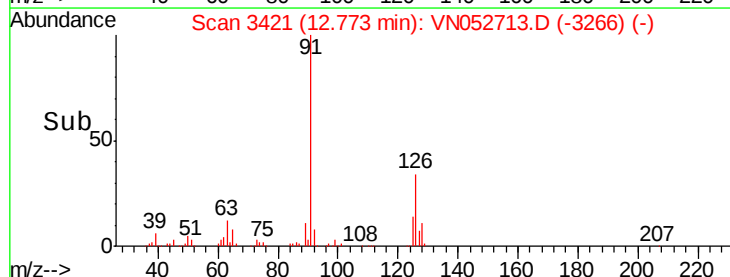
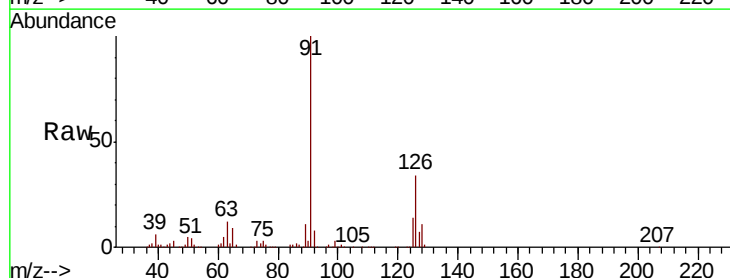
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Tgt Ion:	91	Resp:	621346
Ion	Ratio	Lower	Upper
91	100		
126	33.8	0.0	68.2





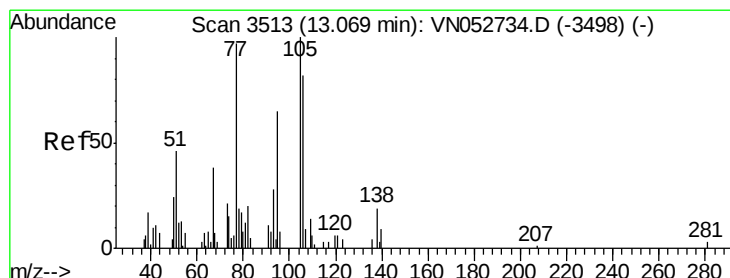
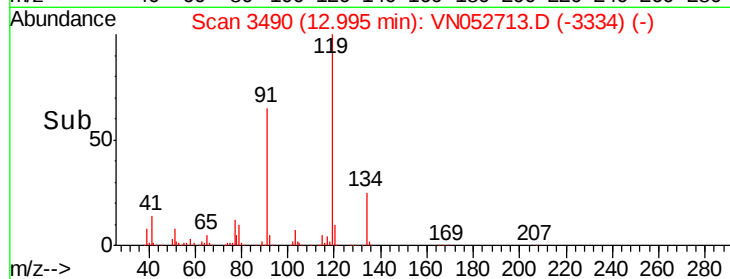
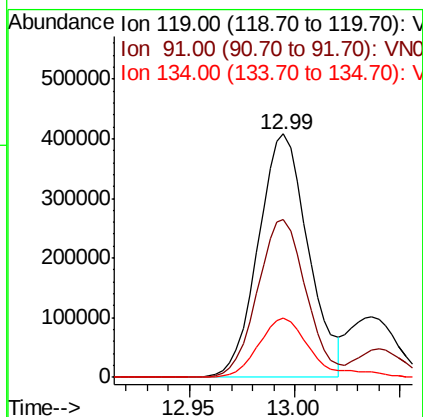
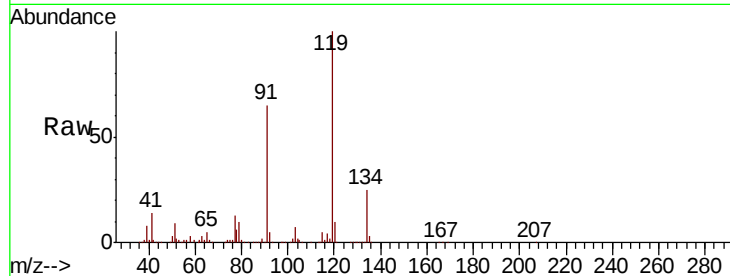
#79
tert-butylbenzene
Concen: 21.450 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampled :
VN1206WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	673009		
91	63.3	0.0	129.8	
134	24.0	0.0	52.2	

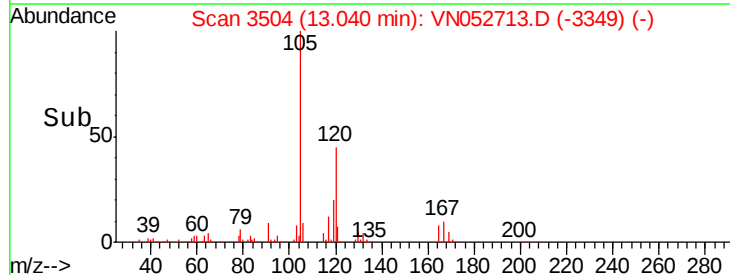
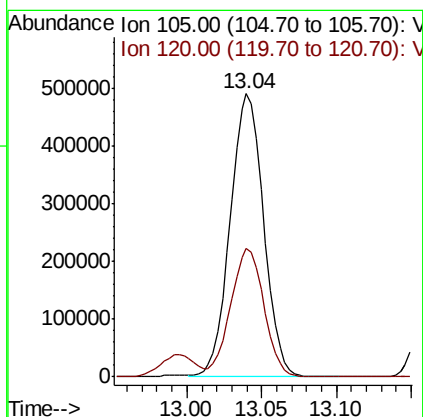
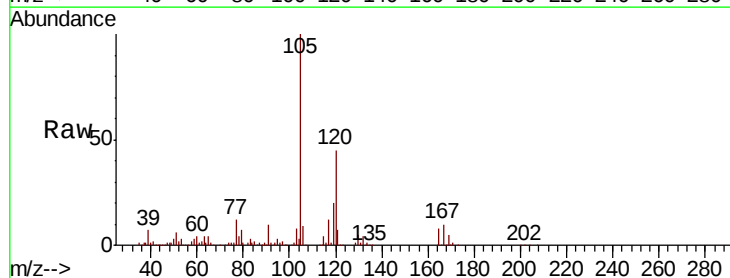
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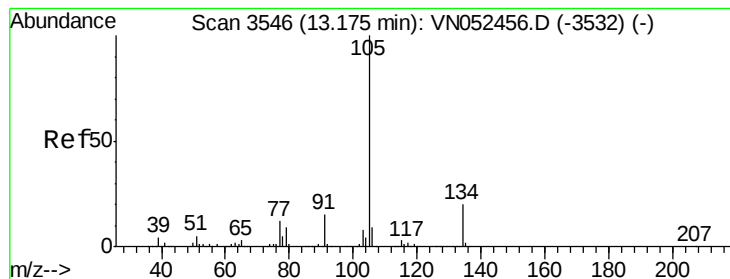
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#80
1,2,4-Trimethylbenzene
Concen: 21.163 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	762934		
120	45.4	0.0	91.0	





#81

sec-Butylbenzene

Concen: 20.622 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBSD02

Tot Ion:105 Resp: 901220

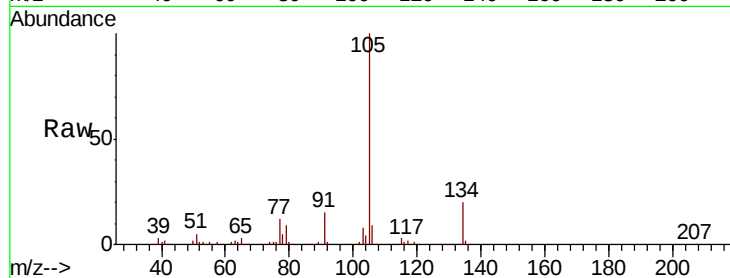
Ion Ratio Lower Upper

105 100

134 20.1 0.0 40.4

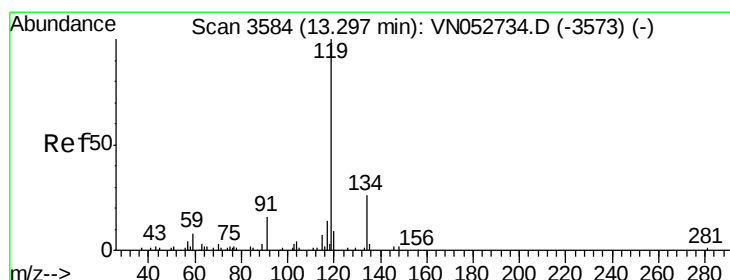
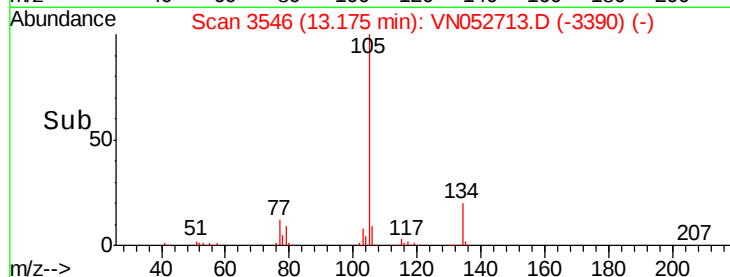
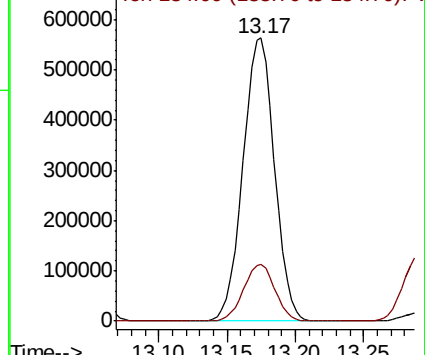
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.552 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

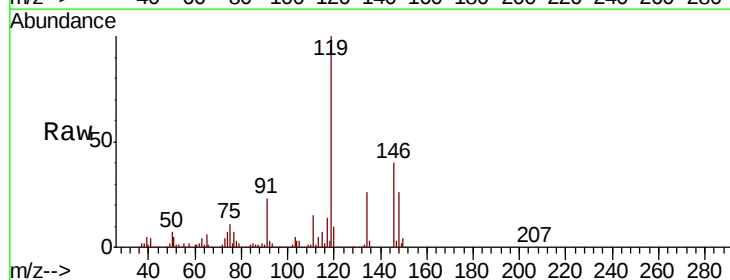
Tgt Ion:119 Resp: 764825

Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.6

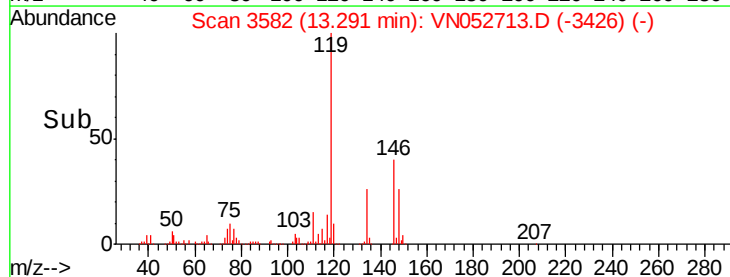
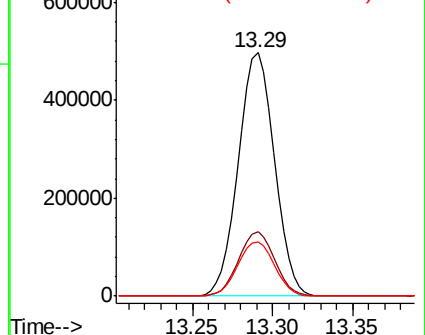
91 22.8 0.0 46.2

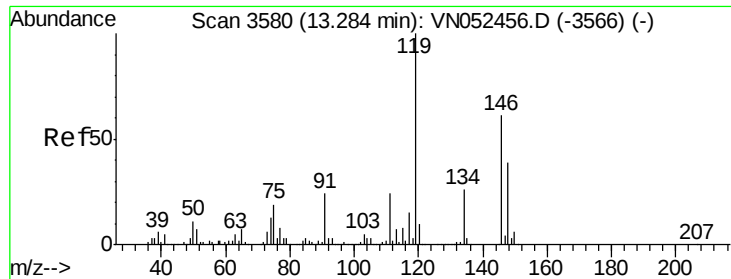


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





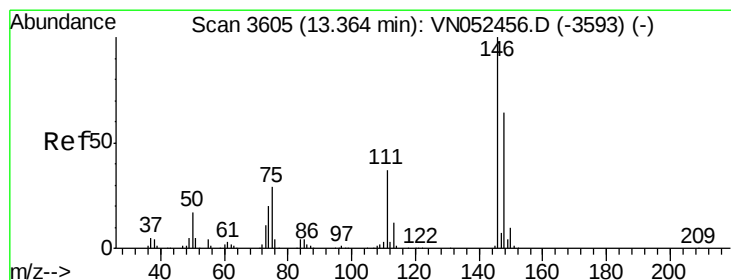
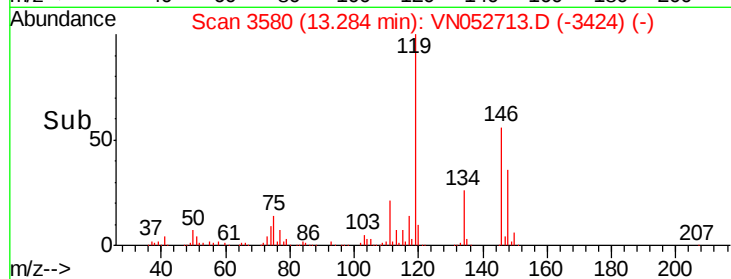
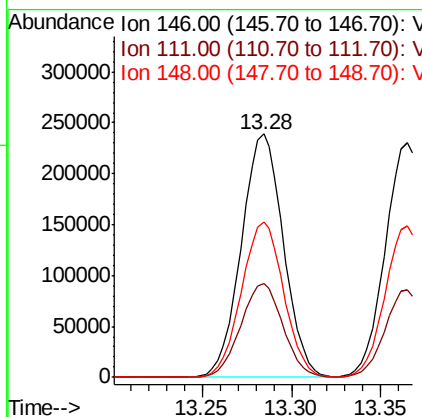
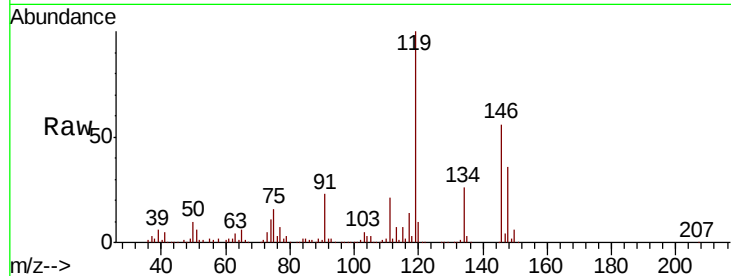
#83
 1,3-Dichlorobenzene
 Concen: 20.783 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.1	32.3	96.8

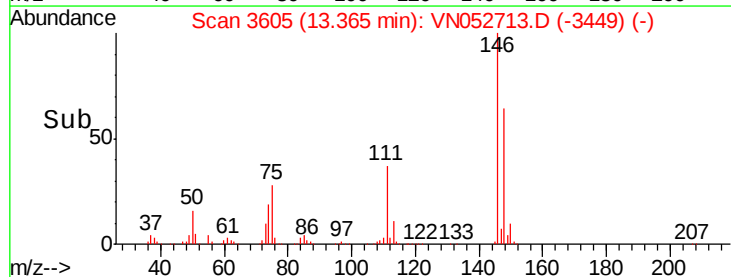
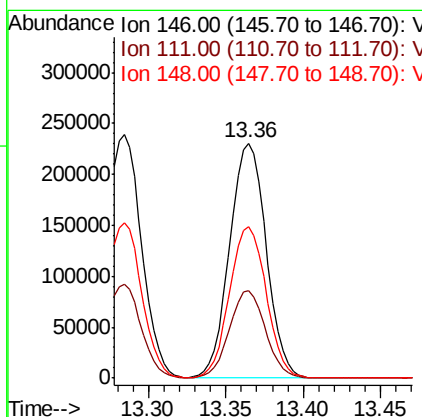
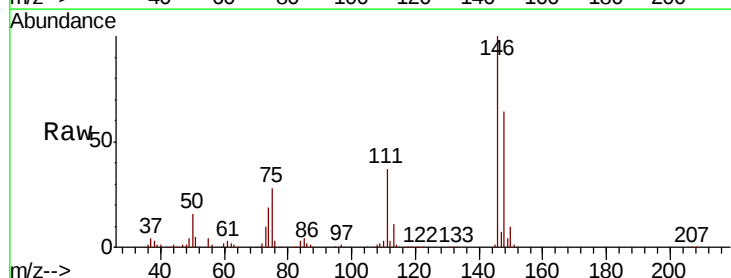
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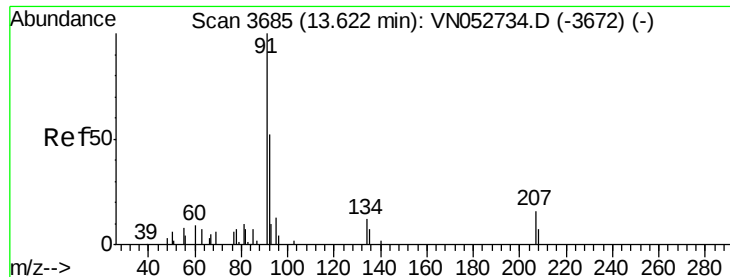
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#84
 1,4-Dichlorobenzene
 Concen: 20.668 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	64.7	32.5	97.4





#85

n-Butylbenzene

Concen: 18.985 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Instrument :

MSVOA_N

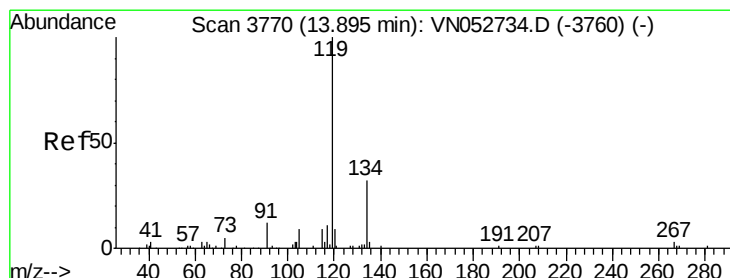
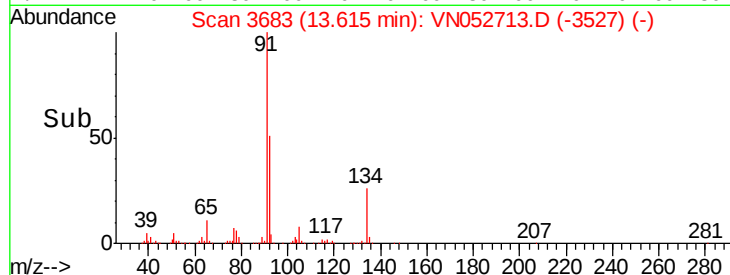
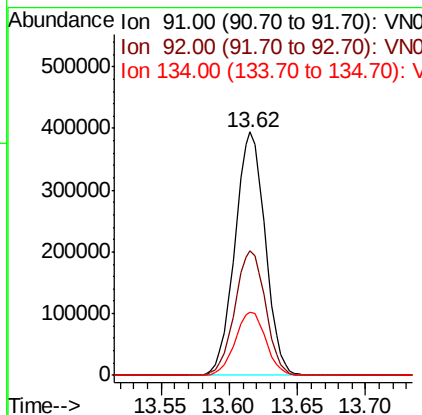
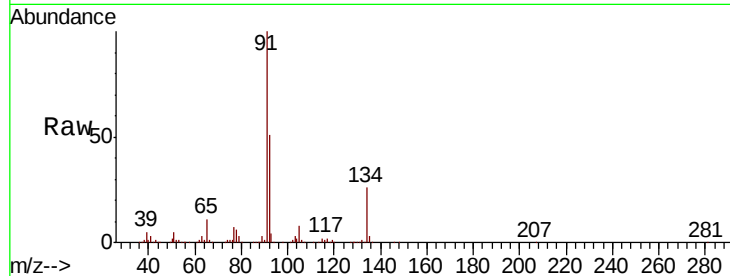
ClientSampleId :

VN1206WBSD02

Tot Ion:	91	Resp:	606864
Ion Ratio	Lower	Upper	
91	100		
92	51.9	0.0	104.2
134	26.3	0.0	50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 20.590 ug/l

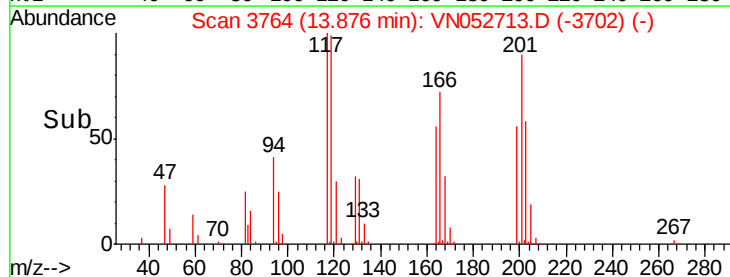
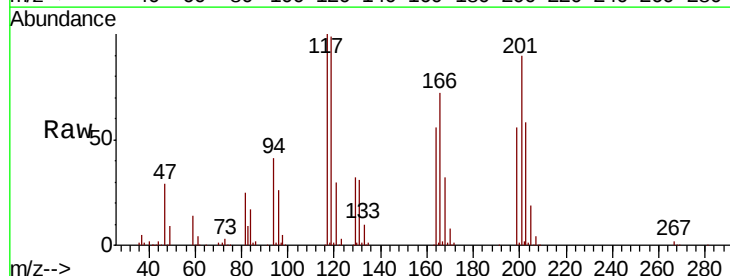
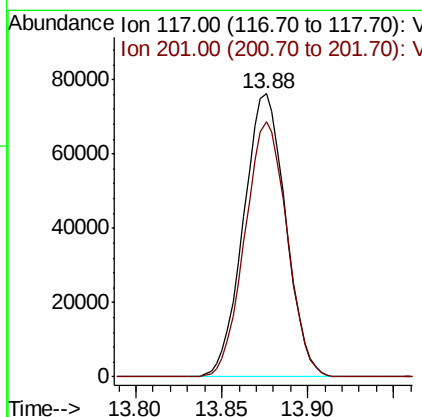
RT: 13.88 min Scan# 3764

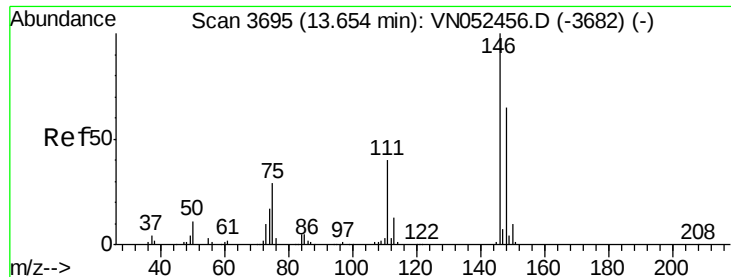
Delta R.T. 0.00 min

Lab File: VN052713.D

Acq: 6 Dec 2018 22:39

Tgt Ion:	117	Resp:	129826
Ion Ratio	Lower	Upper	
117	100		
201	89.9	43.8	131.3





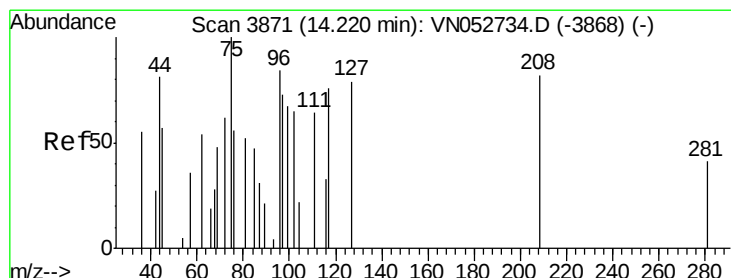
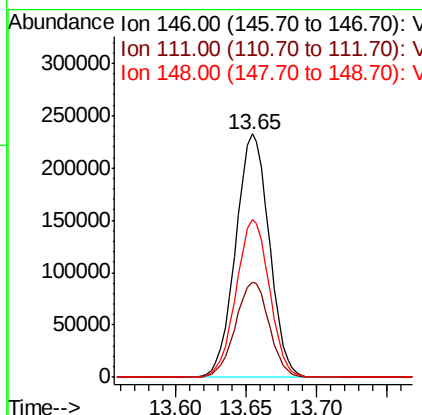
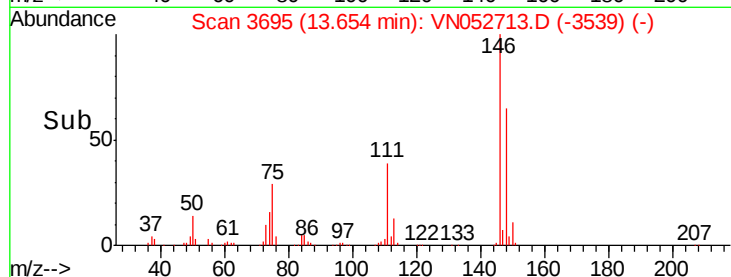
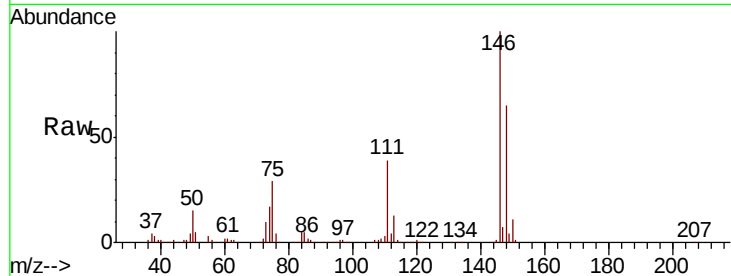
#87
 1,2-Dichlorobenzene
 Concen: 21.496 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	64.4	32.1	96.5

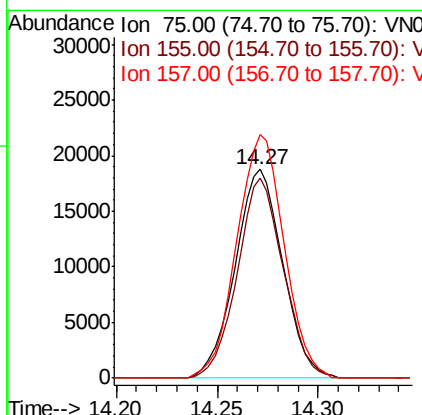
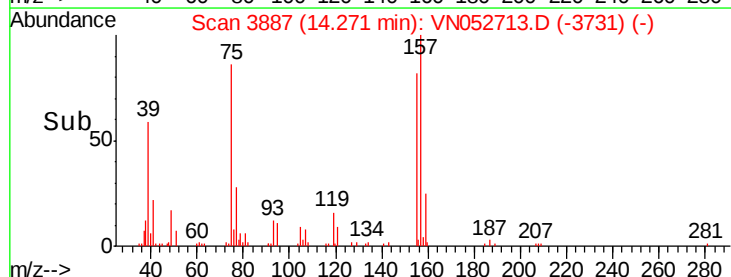
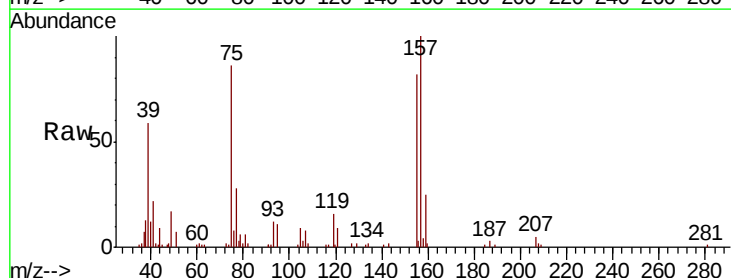
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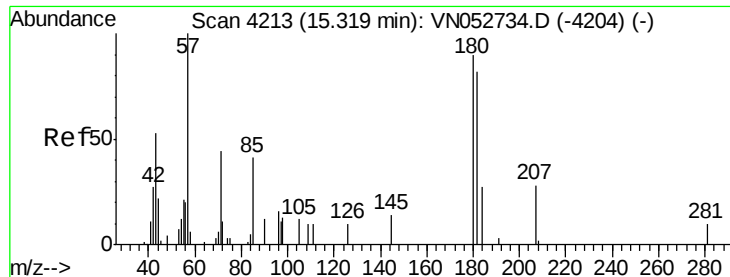
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.816 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	72.2	108.2
157	116.2	94.2	141.2





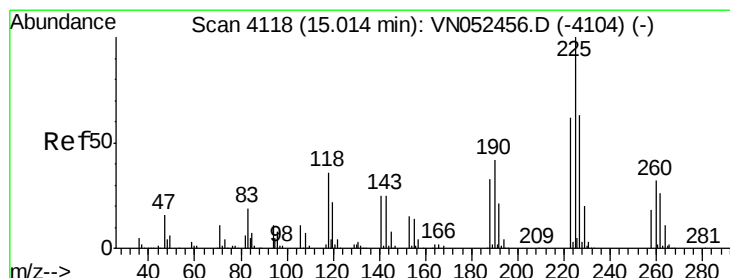
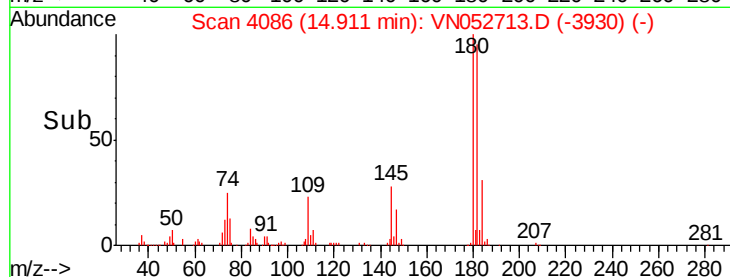
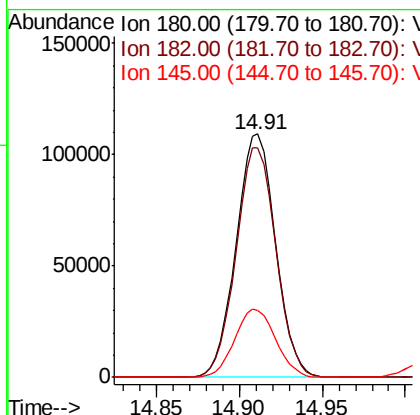
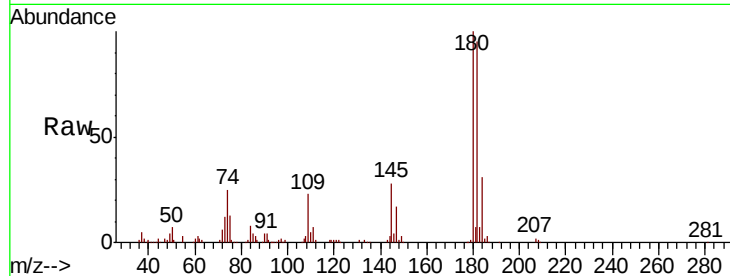
#89
 1,2,4-Trichlorobenzene
 Concen: 20.369 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	29.0	23.6	35.4

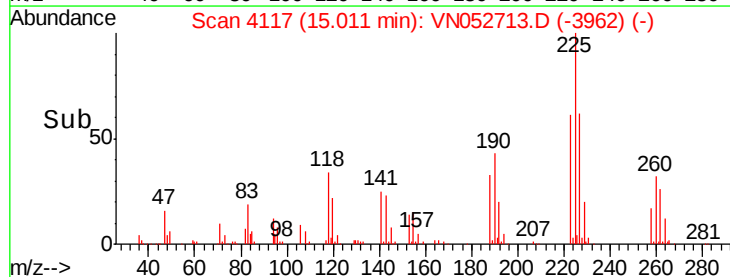
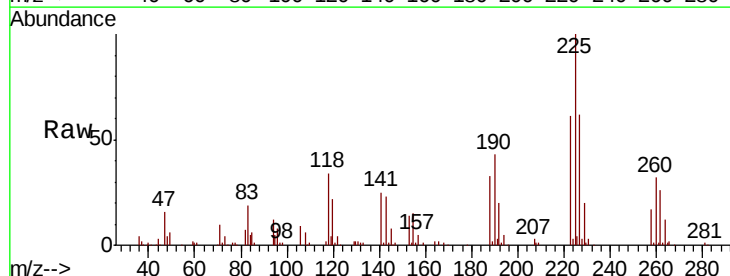
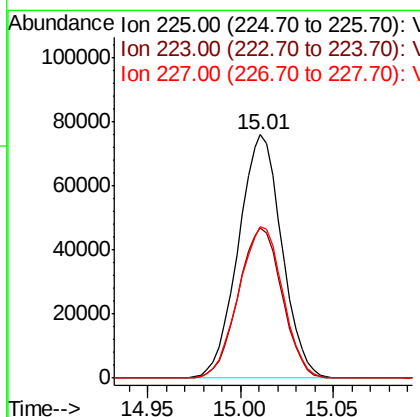
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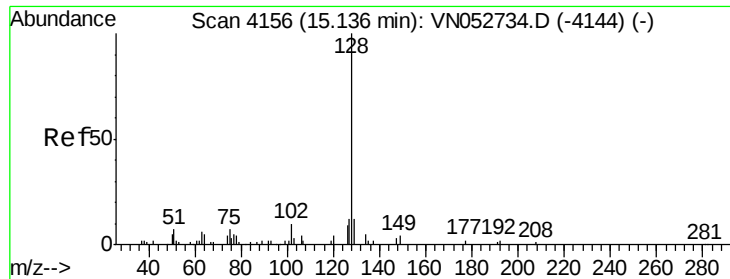
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#90
 Hexachlorobutadiene
 Concen: 21.266 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052713.D
 Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	125.6
227	63.5	0.0	127.8





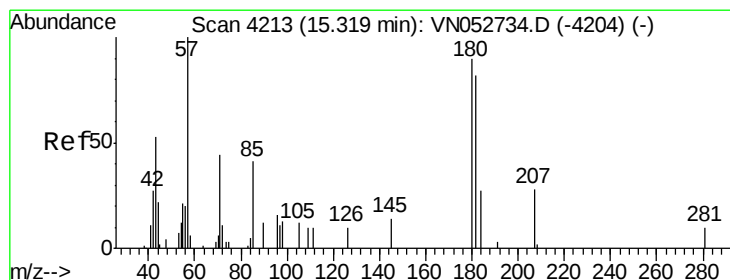
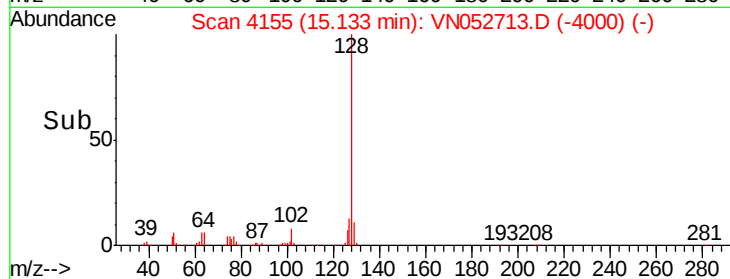
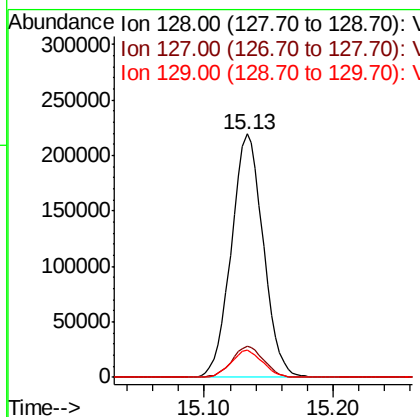
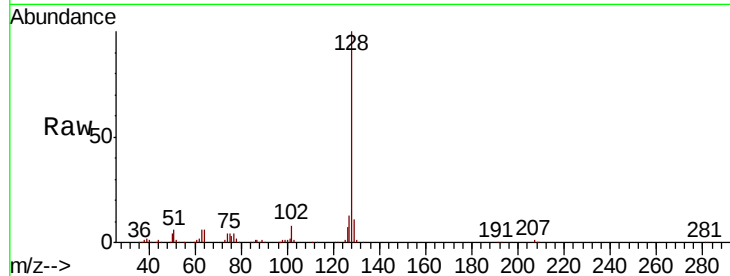
#91
Naphthalene
Concen: 20.988 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	377029		
127	12.7		9.9	14.9
129	10.9		8.5	12.7

Manual Integrations
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12/7/2018 1:13:10 PM



#92
1,2,3-Trichlorobenzene
Concen: 21.792 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052713.D
Acq: 6 Dec 2018 22:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	178643		
182	95.1		0.0	196.2
145	30.1		0.0	62.2

