

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052642.D
 Acq On : 3 Dec 2018 20:03
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:57:04 PM

Quant Time: Dec 04 00:49:24 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	159652	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	915294	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	805204	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325607	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.40	95	366234	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1103925	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	165687	18.222	ug/l 99
3) Chloromethane	2.06	50	218459	18.116	ug/l 100
4) Vinyl Chloride	2.19	62	230129	18.908	ug/l 98
5) Bromomethane	2.58	94	139891	20.158	ug/l 97
6) Chloroethane	2.71	64	137576	19.008	ug/l 99
7) Trichlorofluoromethane	3.02	101	290598	19.346	ug/l 96
8) Diethyl Ether	3.42	74	109589	19.759	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	180099	18.914	ug/l 97
10) 1,1-Dichloroethene	3.74	96	176254	19.687	ug/l 96
11) Methyl Iodide	3.96	142	257175	20.689	ug/l 99
12) Methyl Acetate	4.33	43	165184	21.715	ug/l 99
13) Acrolein	3.61	56	71322	79.817	ug/l 97
14) Acrylonitrile	4.99	53	332234	102.503	ug/l 97
15) Acetone	3.82	58	74103	88.281	ug/l 100
16) Carbon Disulfide	4.06	76	492210	17.365	ug/l 100
17) Allyl chloride	4.33	41	293886	18.822	ug/l 98
18) Methylene Chloride	4.55	84	206268	19.898	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	185220	19.224	ug/l 97
20) Diisopropyl ether	5.95	45	635575	19.370	ug/l 99
21) 1,1-Dichloroethane	5.85	63	361151	19.312	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	218643	19.801	ug/l 97
23) tert-Butyl Alcohol	4.78	59	57766	119.807	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	487418	20.753	ug/l 98
25) Chloroform	7.37	83	353979	19.620	ug/l 99
26) Cyclohexane	7.65	56	318172	18.039	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	266324	19.054	ug/l 98
30) 2-Butanone	6.84	43	372729	99.656	ug/l 99
31) 2,2-Dichloropropane	6.83	77	238526	18.536	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	291442	20.039	ug/l 98
33) Carbon Tetrachloride	7.78	117	249792	19.629	ug/l 99
34) Benzene	8.04	78	827291	19.686	ug/l 99
35) Methacrylonitrile	7.17	41	76645	16.517	ug/l 98
36) 1,2-Dichloroethane	8.13	62	256284	20.125	ug/l 99
37) Trichloroethene	8.84	130	211758	19.872	ug/l 98
38) Methylcyclohexane	9.08	83	316322	18.282	ug/l 98
39) 1,2-Dichloropropane	9.12	63	218172	19.368	ug/l 95
40) Dibromomethane	9.21	93	126547	20.788	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	266624	19.824	ug/l	99
42) Vinyl Acetate	5.90	43	2015856	99.615	ug/l	98
43) Ethyl Acetate	6.93	43	172220	21.655	ug/l #	70
44) Isopropyl Acetate	8.17	43	337389	24.189	ug/l #	86
45) 1,4-Dioxane	9.20	88	35266	462.172	ug/l	92
46) Methyl methacrylate	9.20	41	151939	20.980	ug/l	97
47) n-amyl Acetate	12.07	43	236596	20.458	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	256855	19.696	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	309438	19.476	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	182492	21.149	ug/l	99
51) Ethyl methacrylate	10.43	69	227744	21.015	ug/l	97
52) 1,3-Dichloropropane	10.71	76	313189	20.391	ug/l	99
53) Dibromochloromethane	10.90	129	197051	20.742	ug/l	99
54) 1,2-Dibromoethane	11.01	107	177507	21.052	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	687916	108.440	ug/l	99
56) Bromoform	12.13	173	130893	21.079	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	843613	108.069	ug/l	99
59) 2-Hexanone	10.75	43	551837	103.485	ug/l	97
61) Tetrachloroethene	10.63	164	210226	21.198	ug/l	95
62) Toluene	10.16	91	881252	19.853	ug/l	100
64) Chlorobenzene	11.44	112	541028	19.969	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	190257	20.231	ug/l	99
66) Ethyl Benzene	11.51	91	939813	19.645	ug/l	99
67) m/p-Xylenes	11.62	106	714440	40.085	ug/l	98
68) o-Xylene	11.95	106	348734	20.159	ug/l	99
69) Styrene	11.97	104	557201	19.955	ug/l	99
70) Isopropylbenzene	12.25	105	921118	20.012	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217334	21.706	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	184126m	21.422	ug/l	
73) Bromobenzene	12.53	156	230417	20.698	ug/l	95
74) n-propylbenzene	12.59	91	1039299	19.379	ug/l	100
75) 2-Chlorotoluene	12.68	91	624491	20.062	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	752157	20.232	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	52248	19.243	ug/l	94
78) 4-Chlorotoluene	12.77	91	610251	19.631	ug/l	99
79) tert-butylbenzene	12.99	119	658045	20.325	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	749876	20.158	ug/l	100
81) sec-Butylbenzene	13.17	105	886162	19.650	ug/l	99
82) p-Isopropyltoluene	13.29	119	753850	19.631	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	393969	20.122	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	379188	20.046	ug/l	99
85) n-Butylbenzene	13.62	91	603277	18.289	ug/l	99
86) Hexachloroethane	13.88	117	125529	19.293	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	388040	20.827	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31286	22.307	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	179846	19.593	ug/l	99
90) Hexachlorobutadiene	15.01	225	118867	19.740	ug/l	99
91) Naphthalene	15.13	128	373737	20.162	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	173829	20.549	ug/l	98

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QLast Update : Tue Nov 27 00:48:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

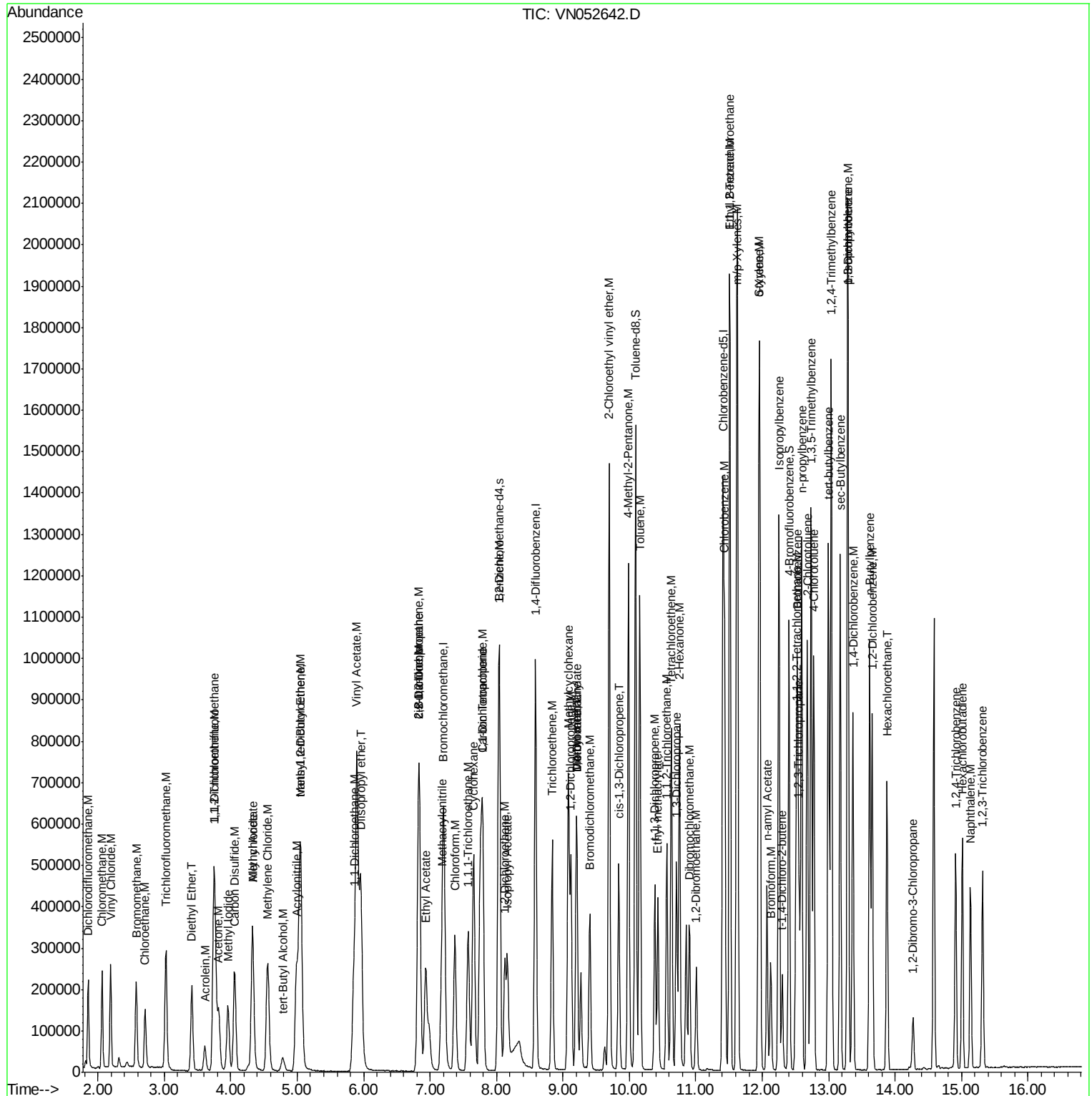
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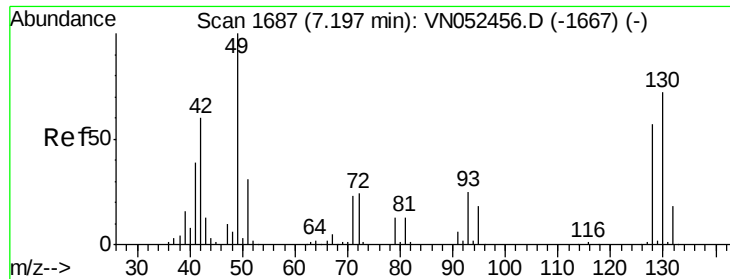
Instrument :
MSVOA_N
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VSTDCCC020EC

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

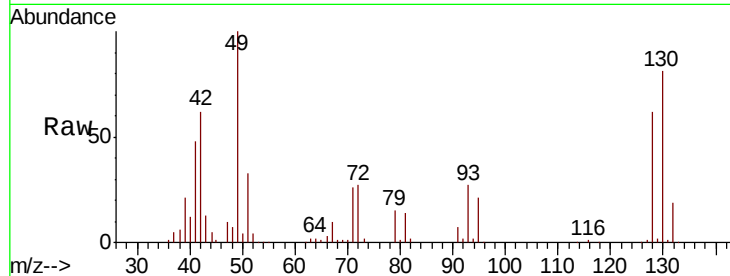
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VSTDCCC020EC

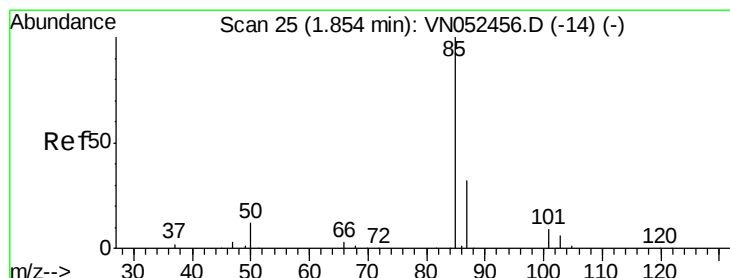
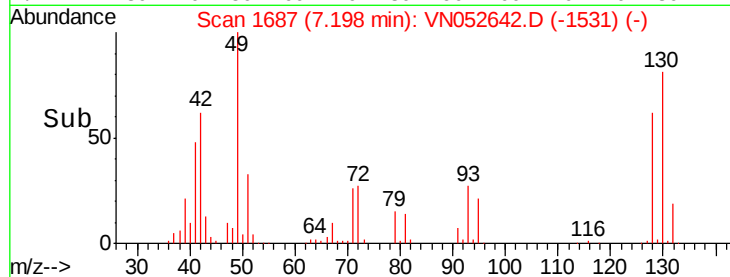
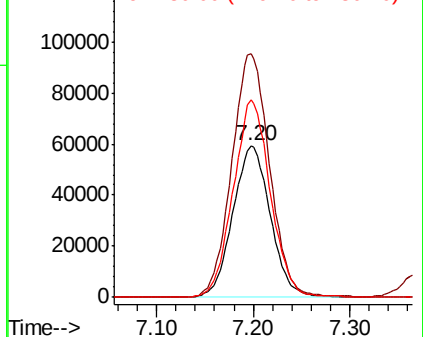
Tot Ion:	128	Resp:	159652
Ion	Ratio	Lower	Upper
128	100		
49	162.7	0.0	431.8
130	129.2	0.0	317.0

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.222 ug/l

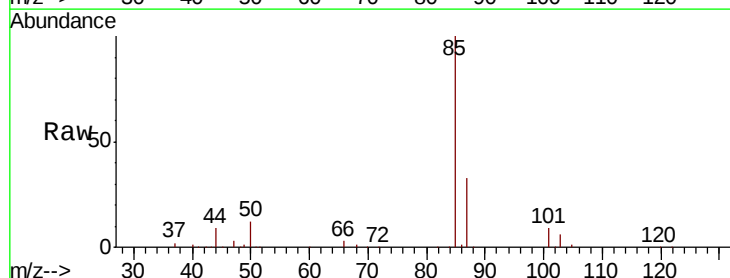
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

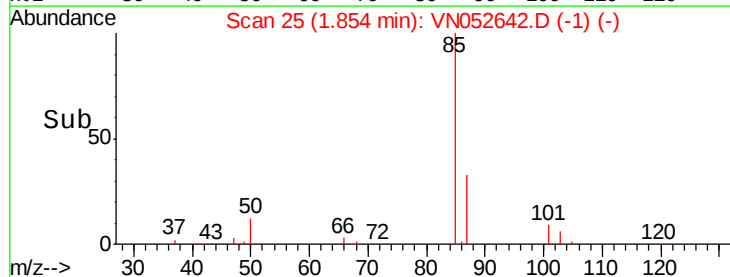
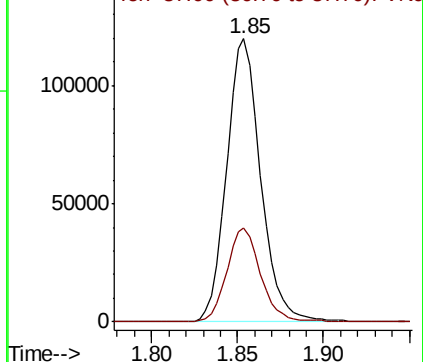
Lab File: VN052642.D

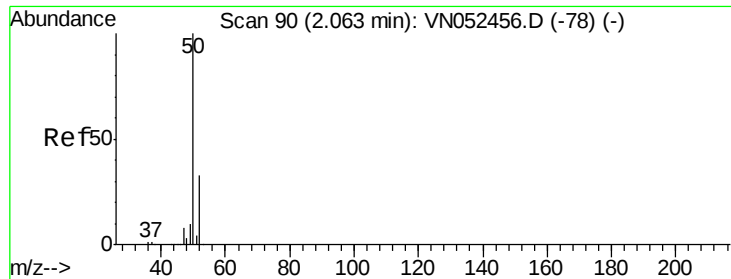
Acq: 3 Dec 2018 20:03

Tgt Ion:	85	Resp:	165687
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): V
Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 18.116 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 218459

Ion Ratio Lower Upper

50 100

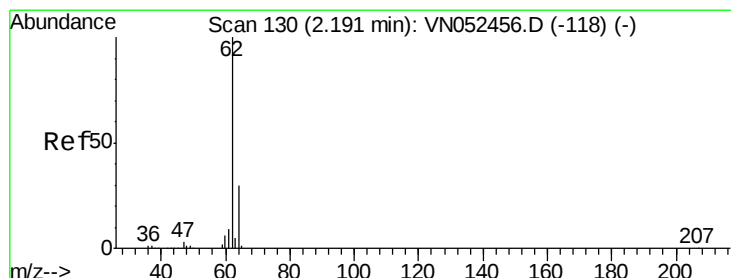
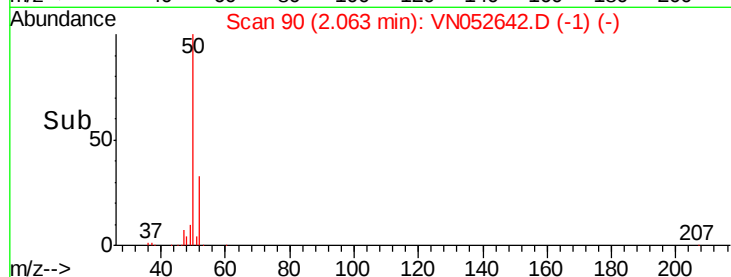
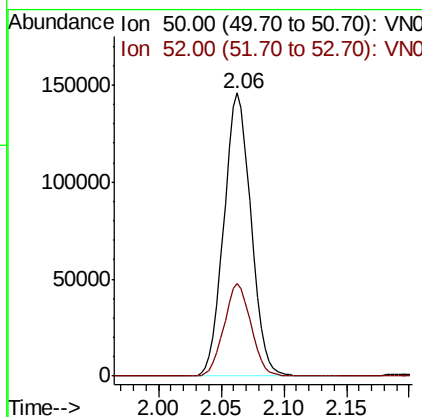
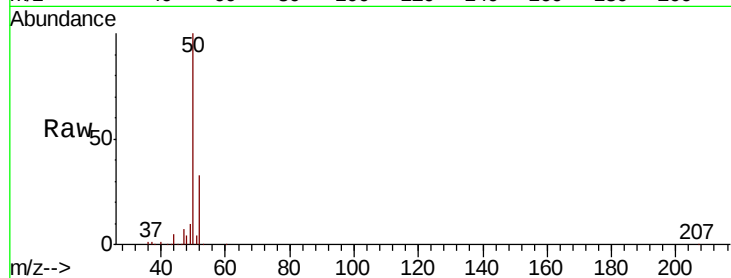
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.908 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052642.D

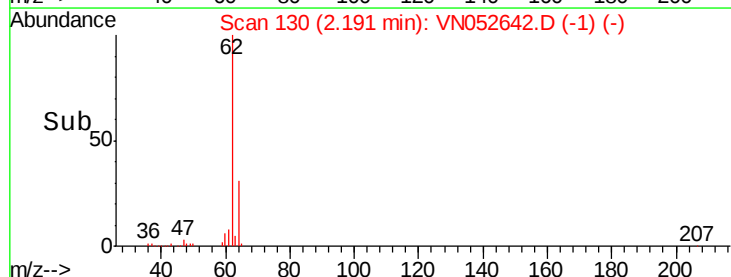
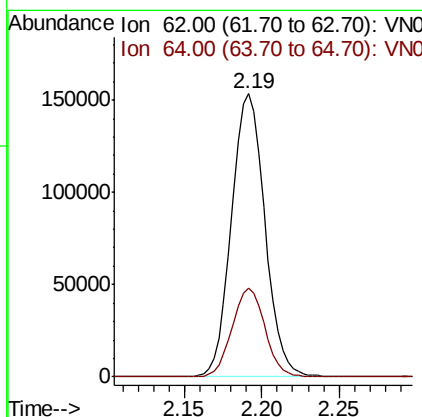
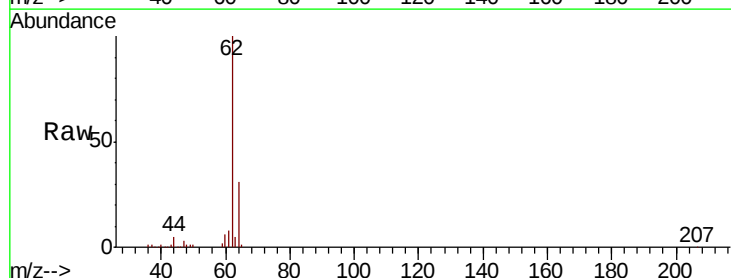
Acq: 3 Dec 2018 20:03

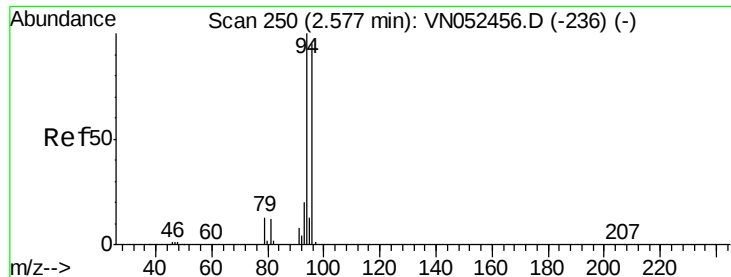
Tgt Ion: 62 Resp: 230129

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 20.158 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 139891

Ion Ratio Lower Upper

94 100

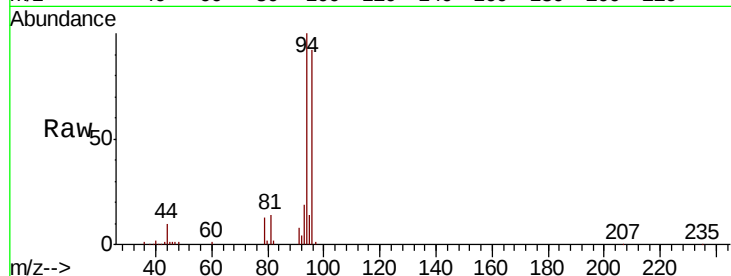
96 92.3 76.2 114.2

Manual Integrations

APPROVED

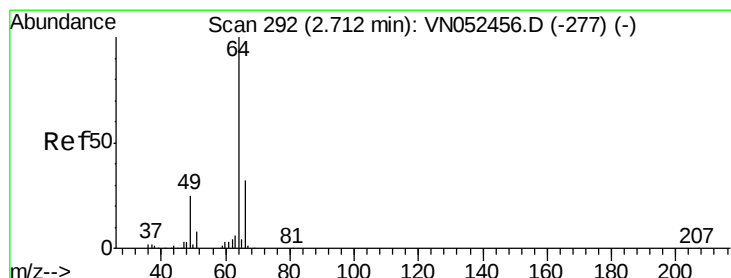
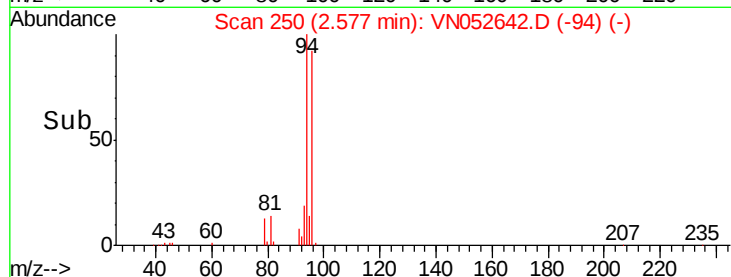
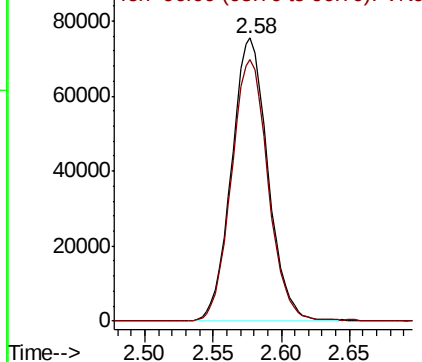
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.008 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052642.D

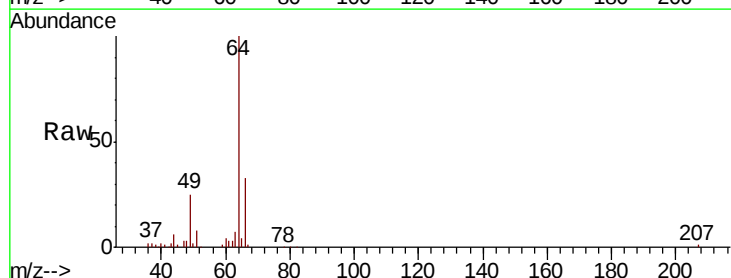
Acq: 3 Dec 2018 20:03

Tgt Ion: 64 Resp: 137576

Ion Ratio Lower Upper

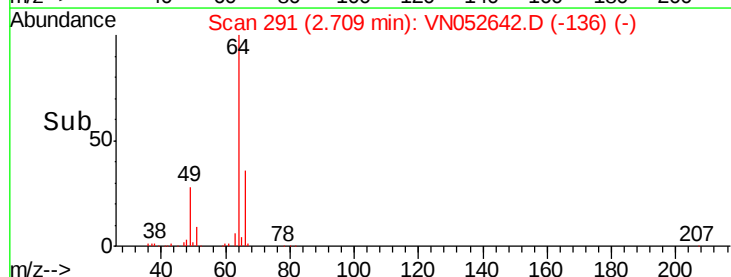
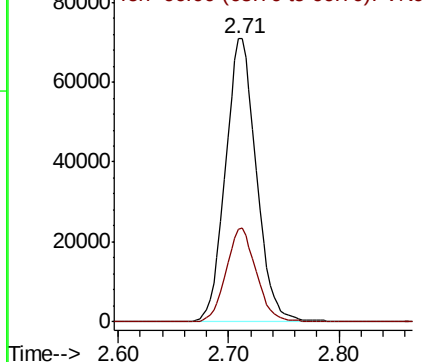
64 100

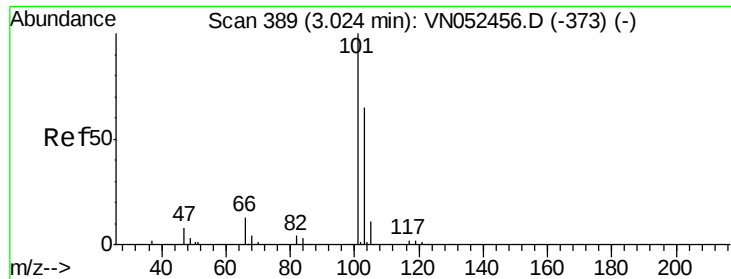
66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

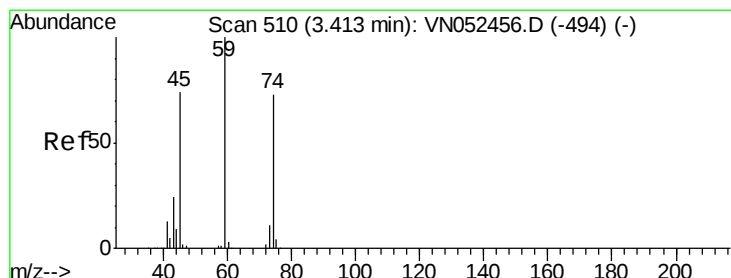
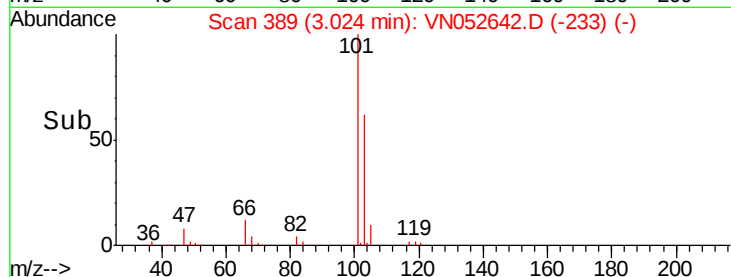
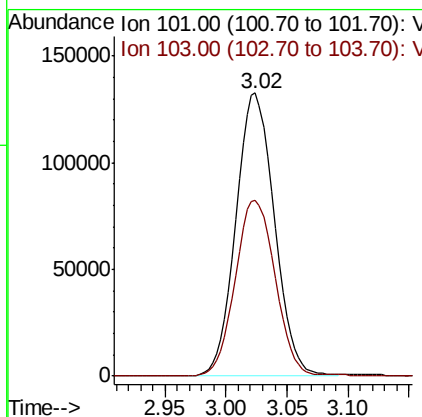
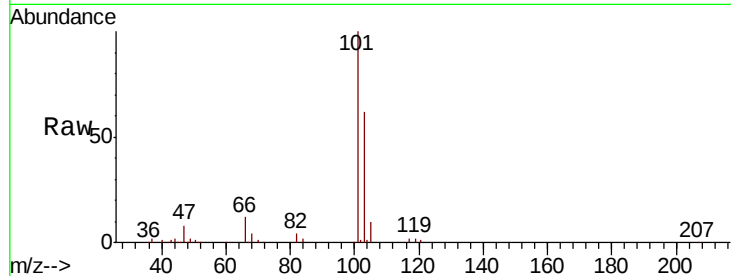
Trichlorofluoromethane
 Concen: 19.346 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.1	78.1

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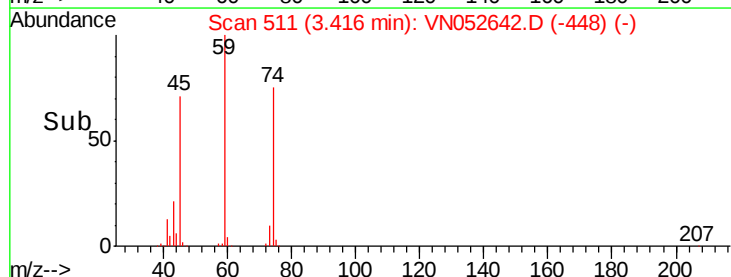
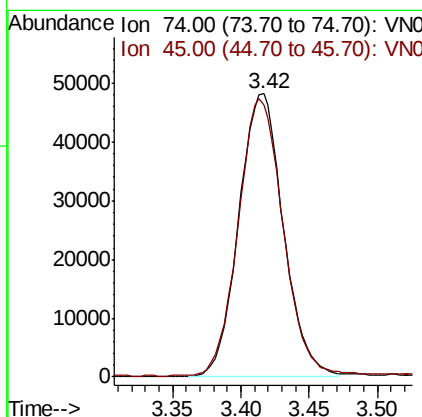
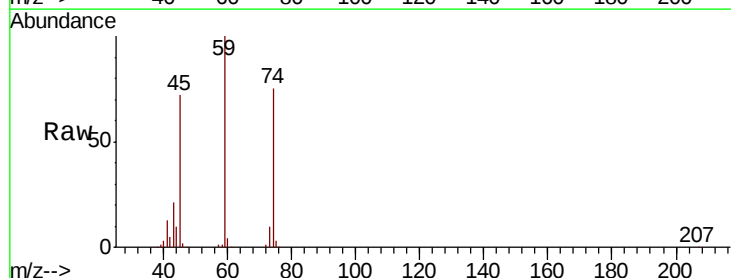
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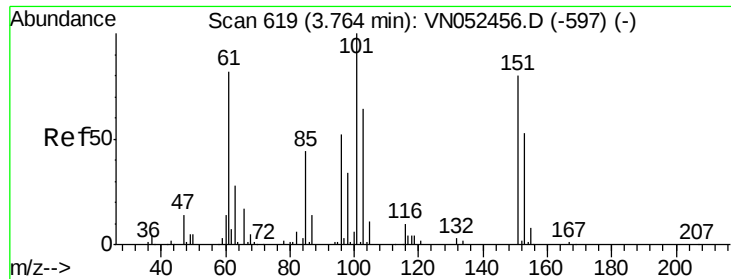


#8

Diethyl Ether
 Concen: 19.759 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.914 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

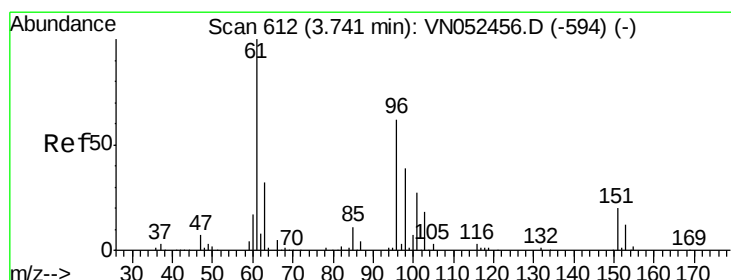
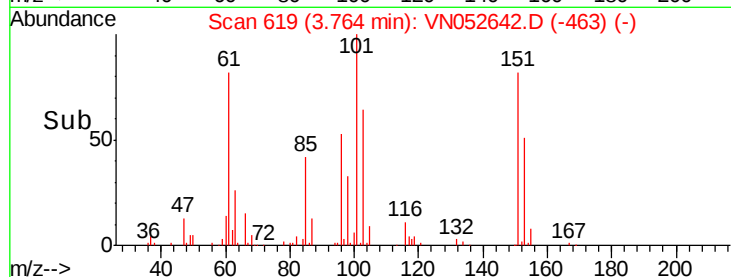
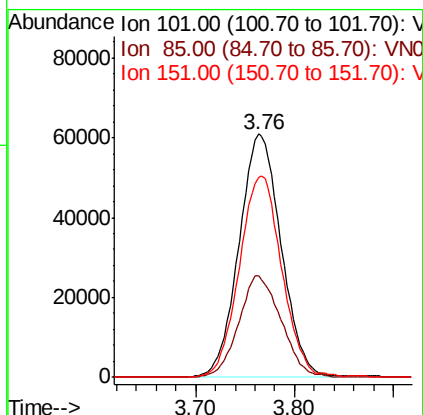
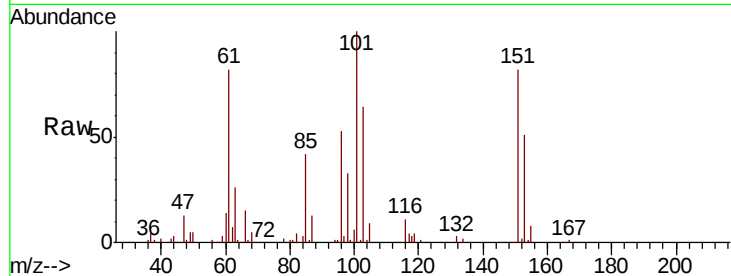
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	180099
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	82.6
151	83.0	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 19.687 ug/l

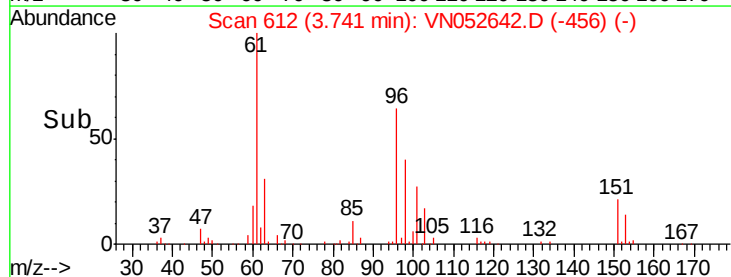
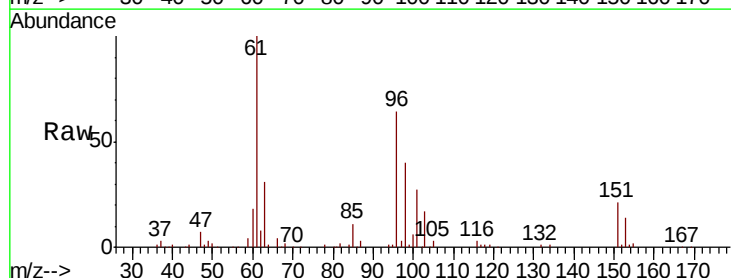
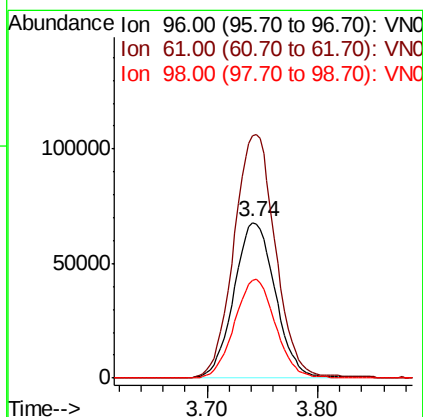
RT: 3.74 min Scan# 612

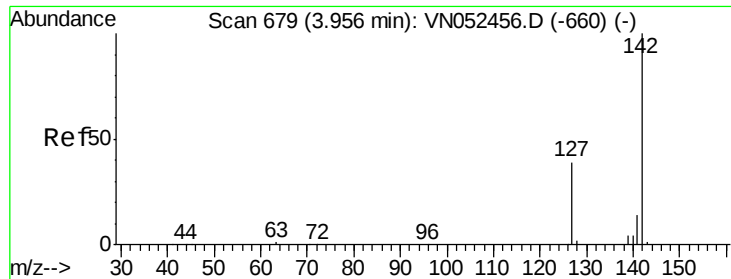
Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tgt Ion:	96	Resp:	176254
Ion Ratio	Lower	Upper	
96	100		
61	155.4	129.4	194.2
98	62.9	50.4	75.6





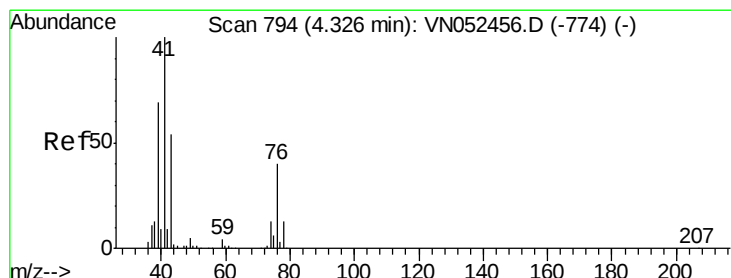
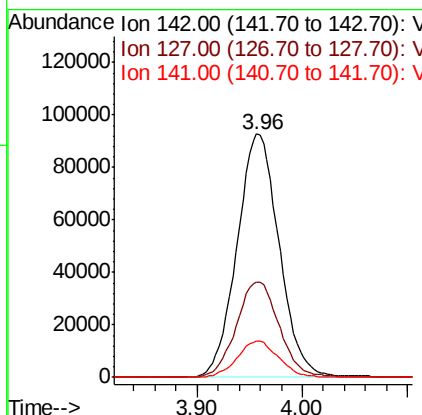
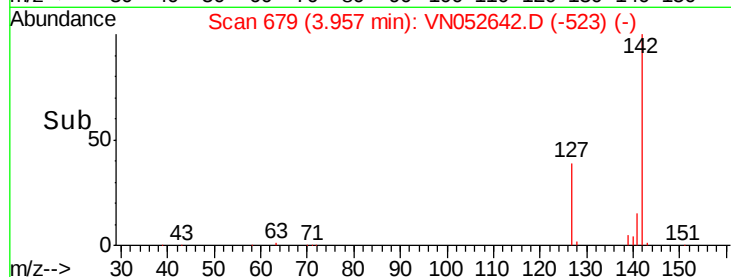
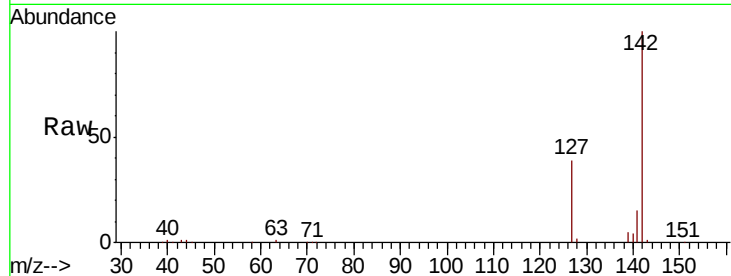
#11
Methvl Iodide
Concen: 20.689 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	142	Resp:	257175
Ion Ratio	Lower	Upper	
142	100		
127	39.3	19.4	58.1
141	14.9	7.2	21.6

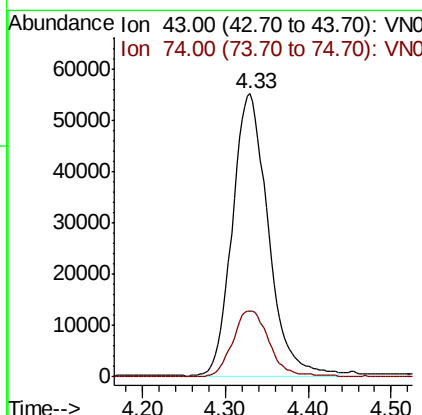
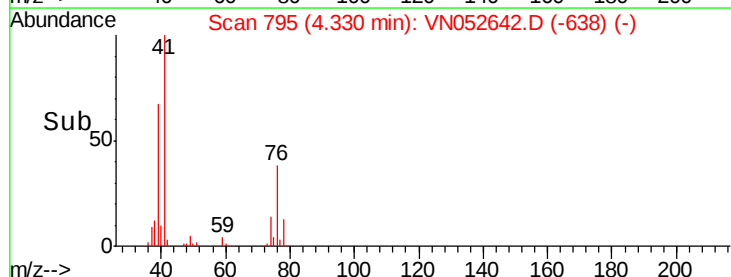
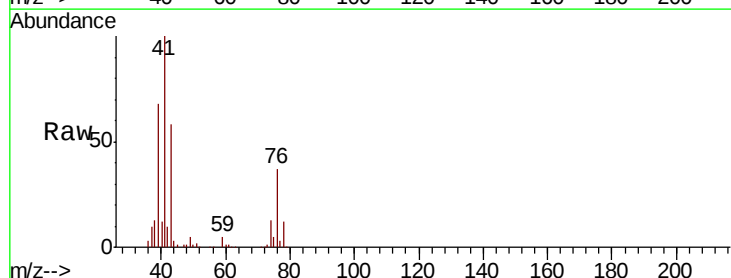
Manual Integrations
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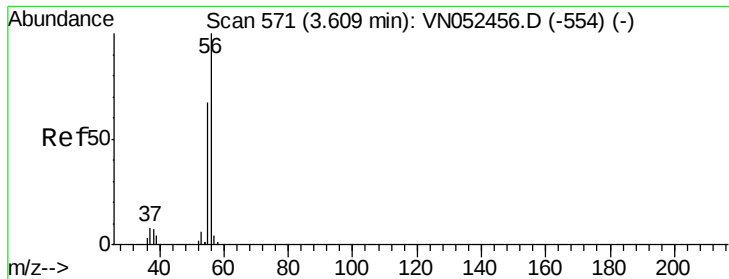
MMDadoda
12/4/2018 2:57:04 PM



#12
Methyl Acetate
Concen: 21.715 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion:	43	Resp:	165184
Ion Ratio	Lower	Upper	
43	100		
74	23.2	18.9	28.3





#13

Acrolein

Concen: 79.817 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 71322

Ion Ratio Lower Upper

56 100

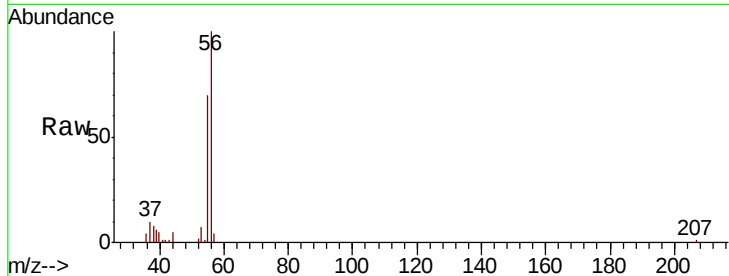
55 68.5 56.7 85.1

Manual Integrations

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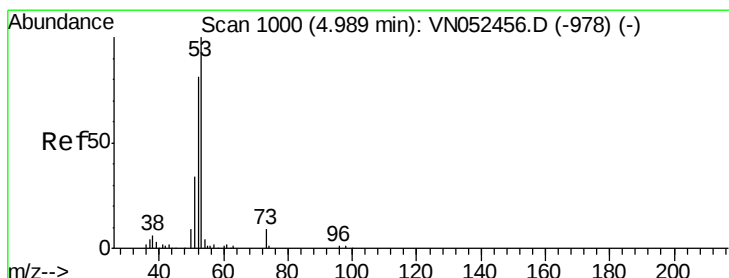
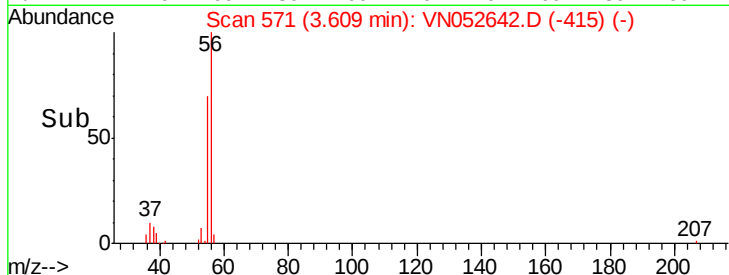
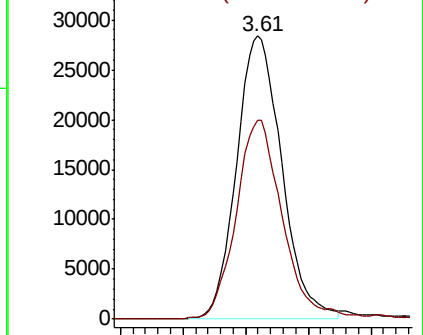
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 102.503 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

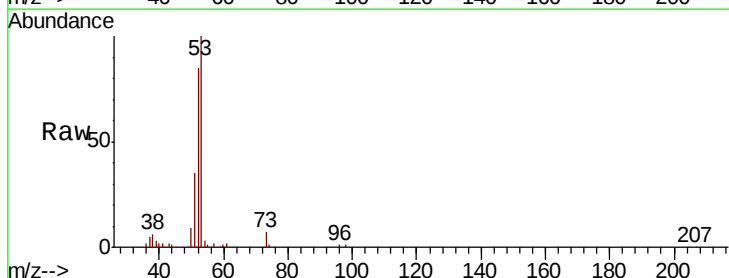
Tgt Ion: 53 Resp: 332234

Ion Ratio Lower Upper

53 100

52 82.9 39.9 119.7

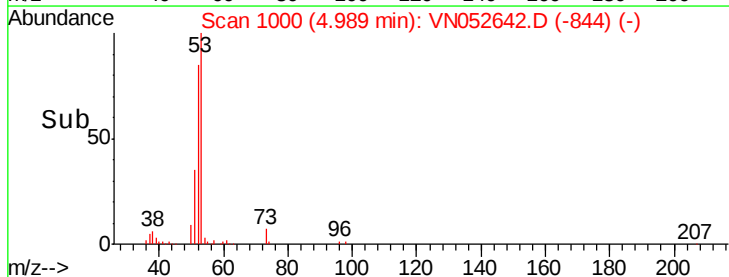
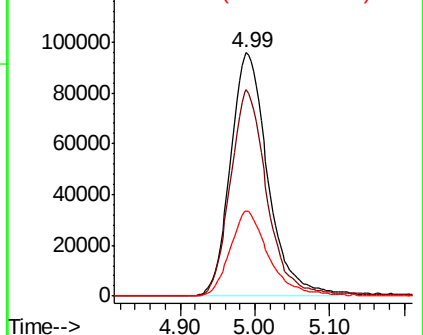
51 36.2 17.6 52.9

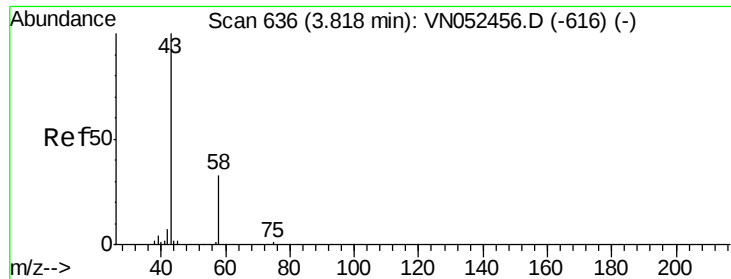


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 88.281 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tot Ion: 58 Resp: 74103

Ion Ratio Lower Upper

58 100

43 305.5 243.6 365.4

Instrument :

MSVOA_N

ClientSampleId :

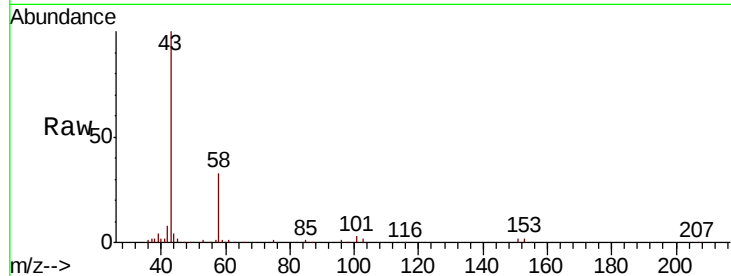
VSTDCCC020EC

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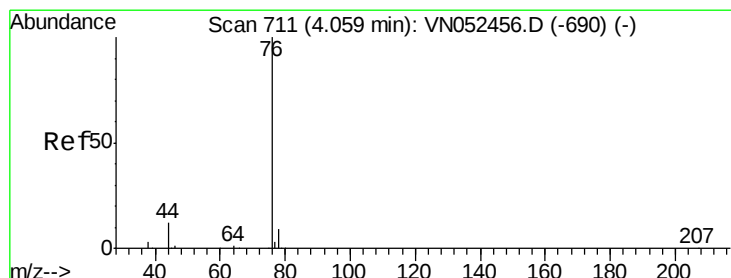
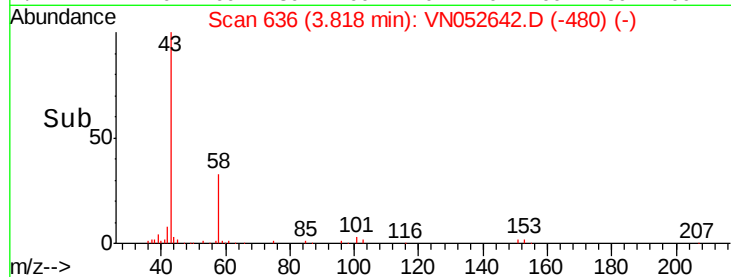
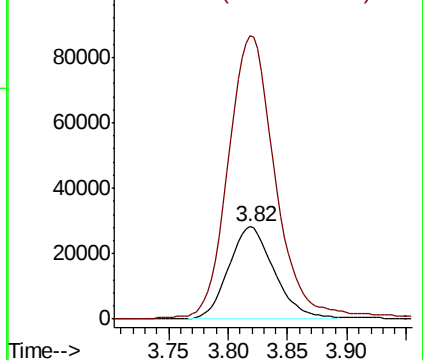
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Abundance Ion 58.00 (57.70 to 58.70): VN052456.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN052456.D (-616) (-)



#16

Carbon Disulfide

Concen: 17.365 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052642.D

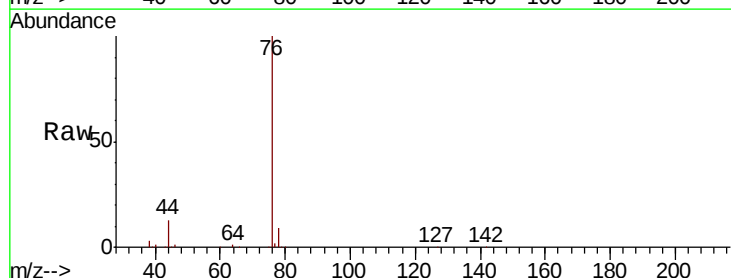
Acq: 3 Dec 2018 20:03

Tgt Ion: 76 Resp: 492210

Ion Ratio Lower Upper

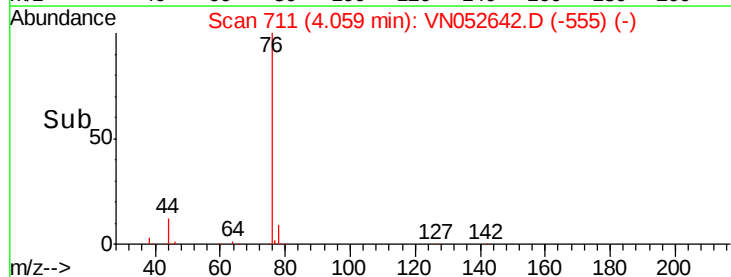
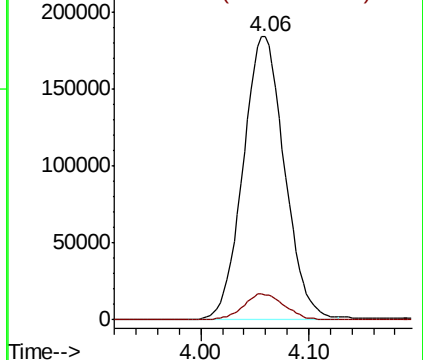
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)





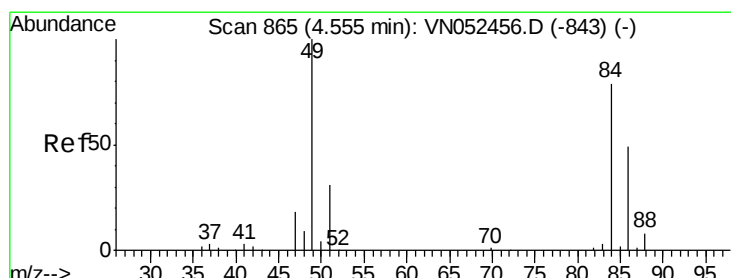
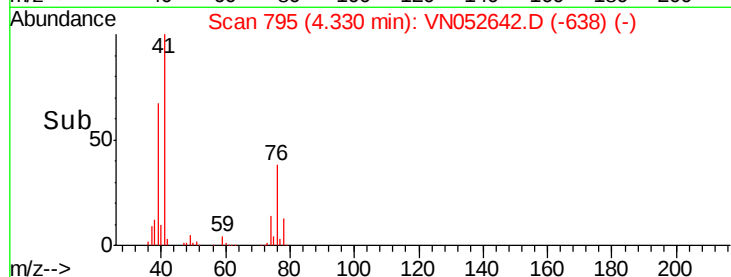
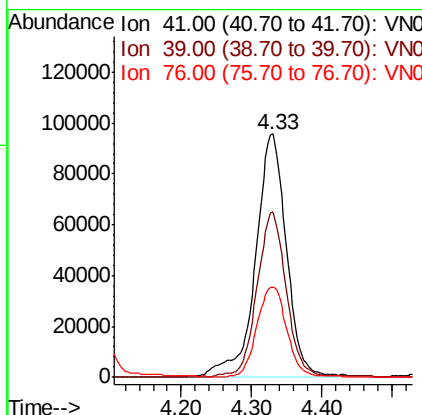
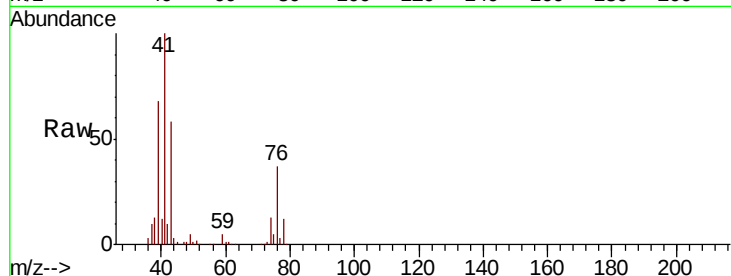
#17
Allvl chloride
Concen: 18.822 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.0	32.8	98.3
76	36.6	18.6	55.8

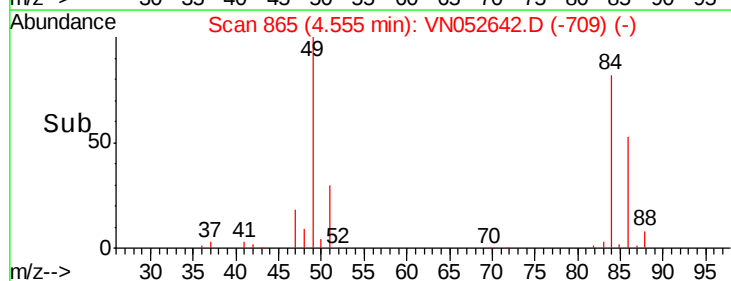
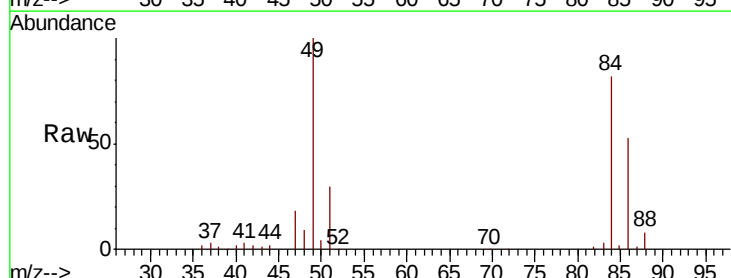
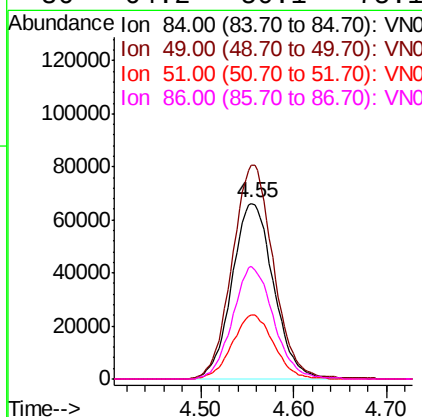
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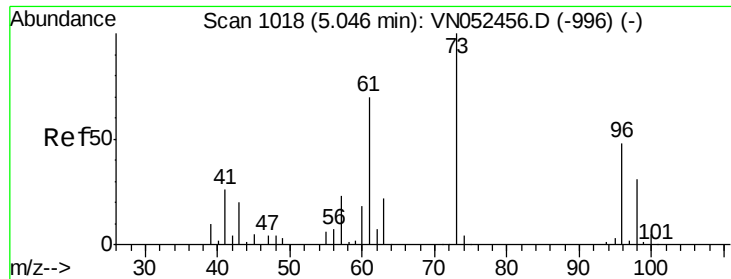
MMDadoda
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#18
Methylene Chloride
Concen: 19.898 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	101.4	152.0
51	36.7	31.7	47.5
86	64.2	50.1	75.1





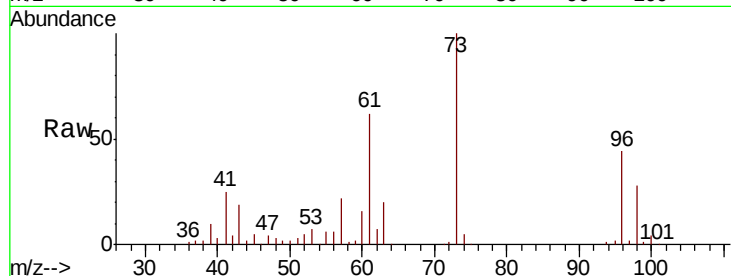
#19
trans-1,2-Dichloroethene
Concen: 19.224 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	118.2	177.4
98	64.1	51.4	77.2

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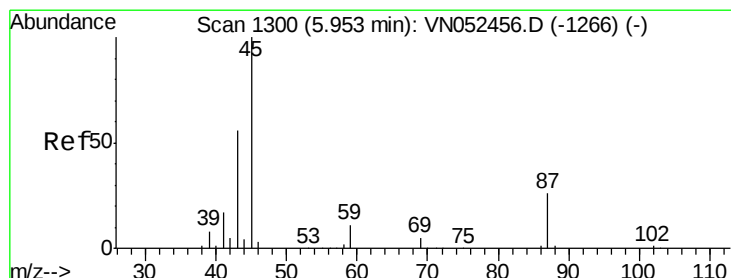
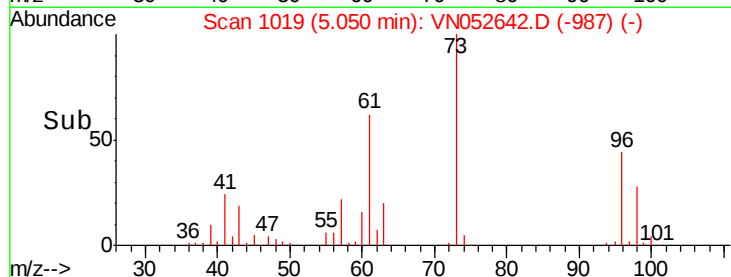
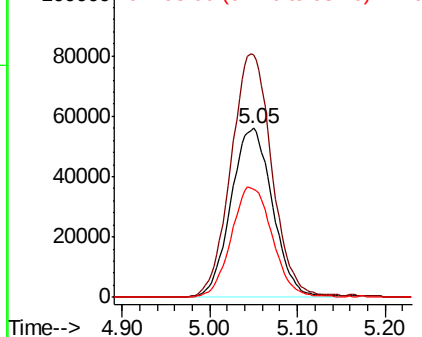


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.370 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.0	47.8	71.8
87	27.5	21.3	31.9
59	11.7	8.9	13.3

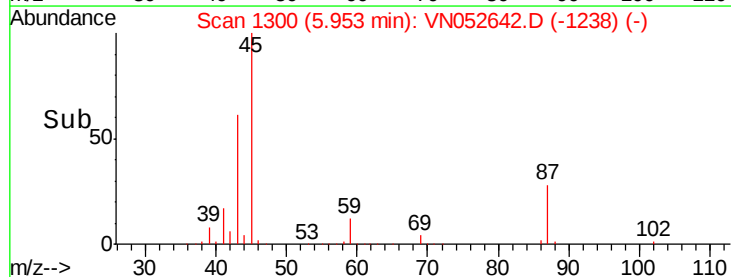
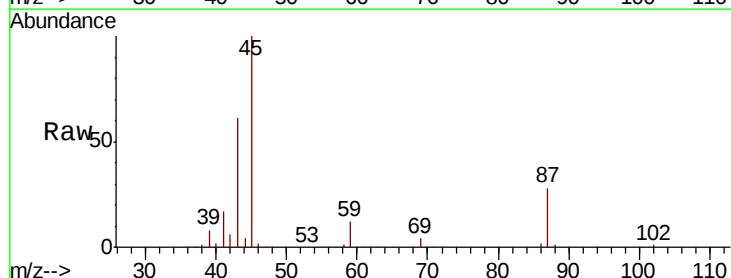
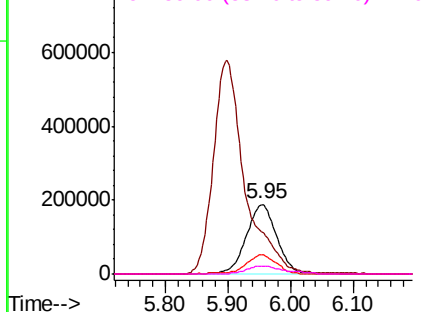
Abundance

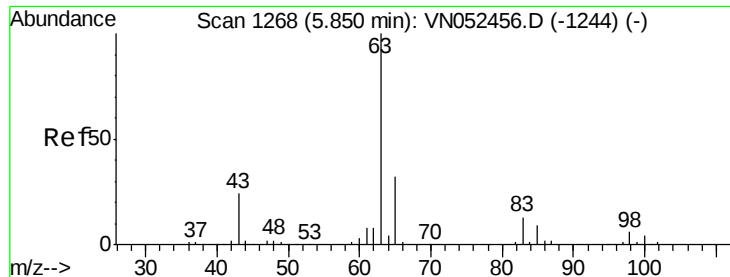
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





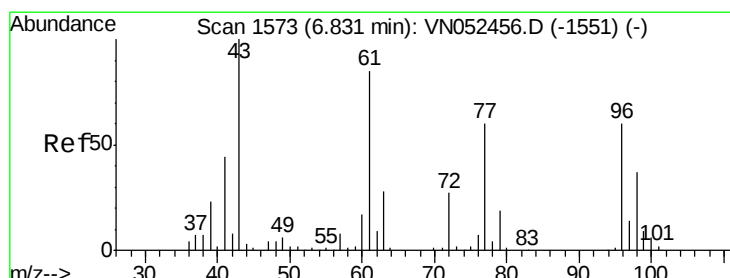
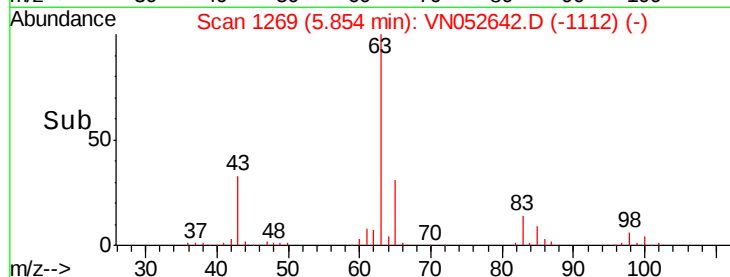
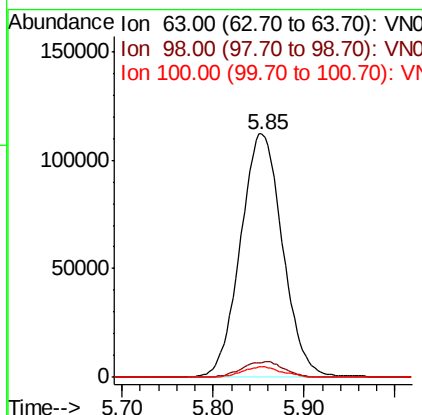
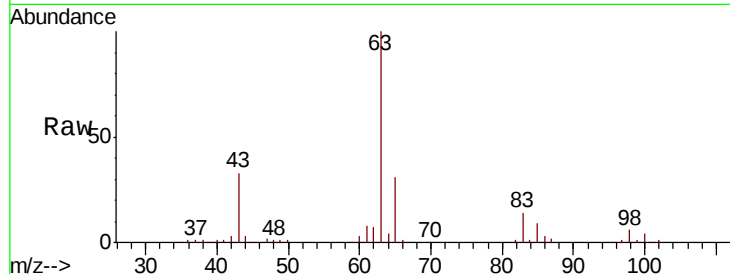
#21
 1,1-Dichloroethane
 Concen: 19.312 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	4.3	1.8	5.5

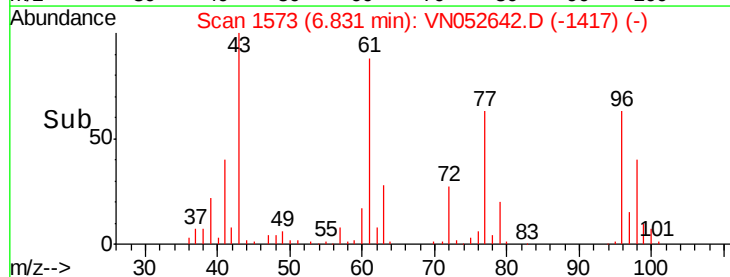
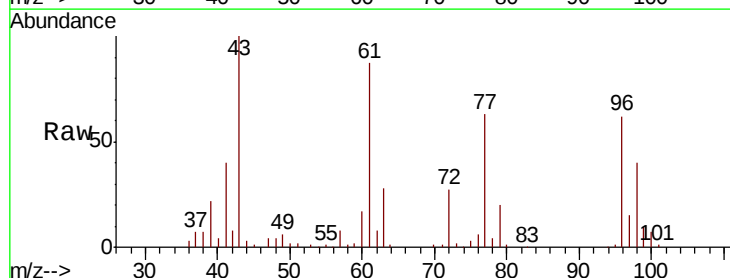
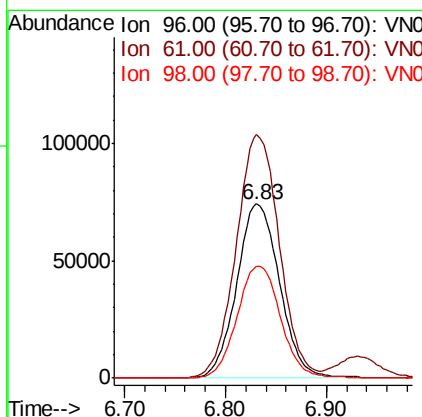
Manual Integrations
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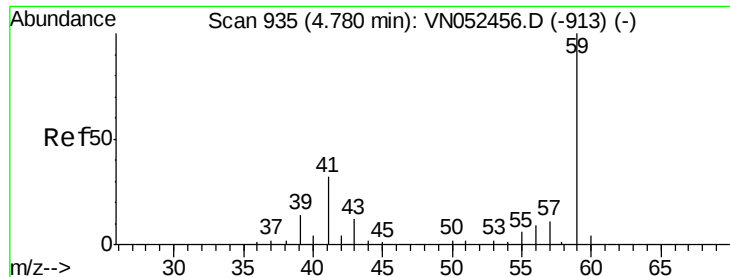
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 19.801 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.0	116.7	175.1
98	65.3	50.8	76.2





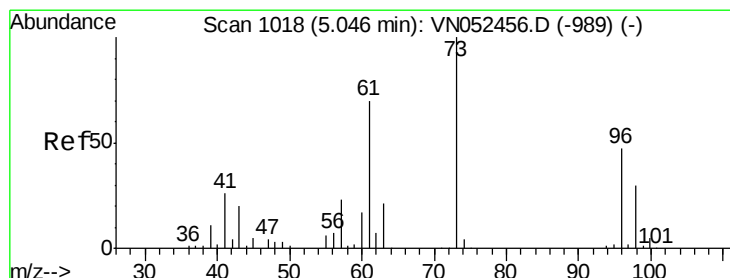
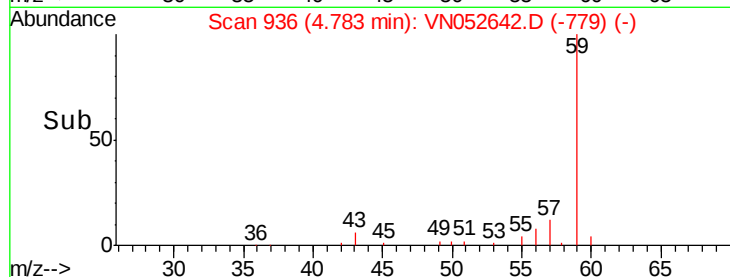
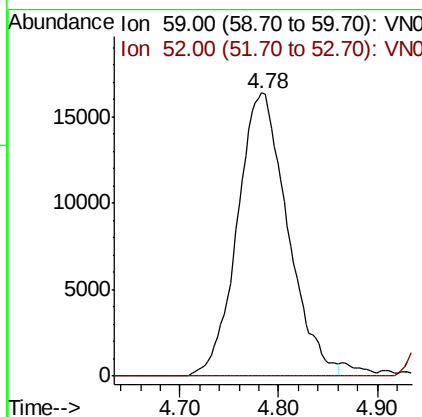
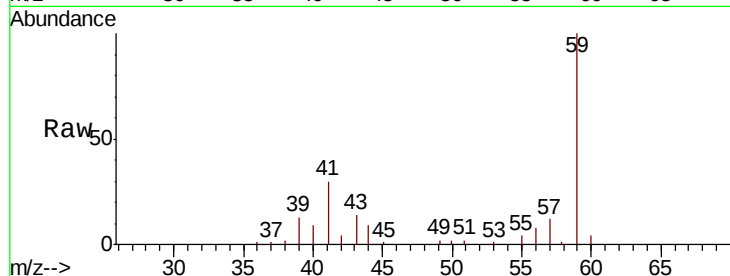
#23
tert-Butyl Alcohol
Concen: 119.807 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

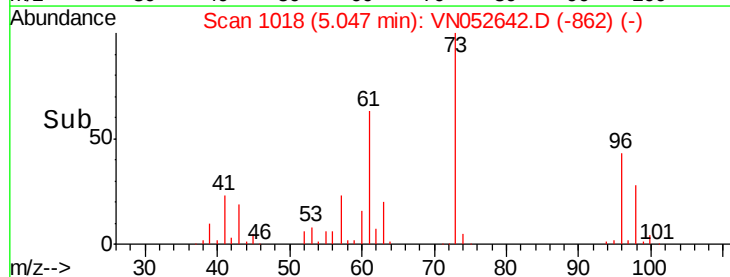
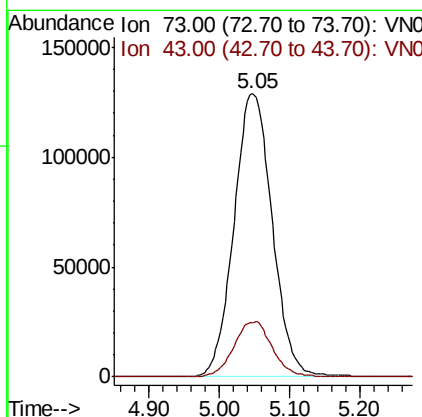
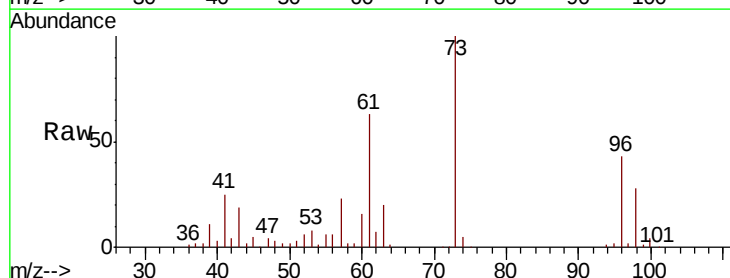
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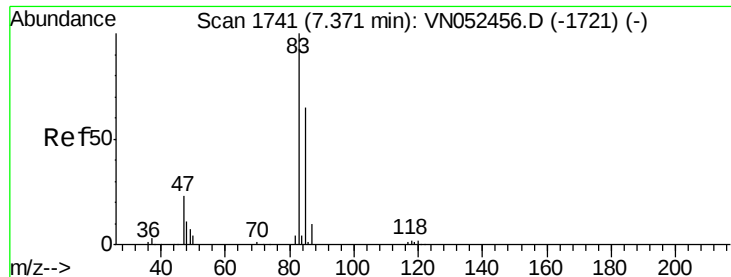
MMDadoda
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#24
Methyl tert-Butyl Ether
Concen: 20.753 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.1	15.8	23.8





#25

Chloroform

Concen: 19.620 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 353979

Ion Ratio Lower Upper

83 100

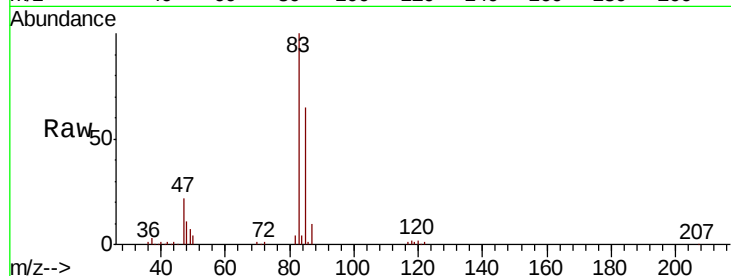
85 65.2 51.7 77.5

Manual Integrations

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12/4/2018 2:57:04 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

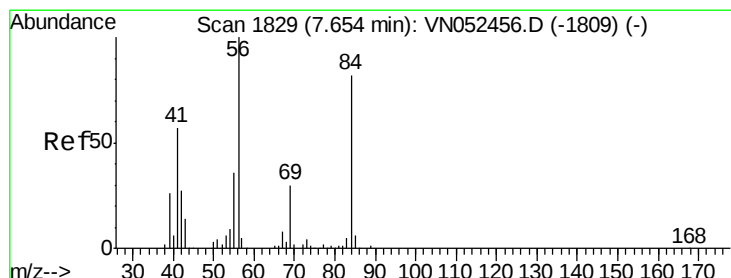
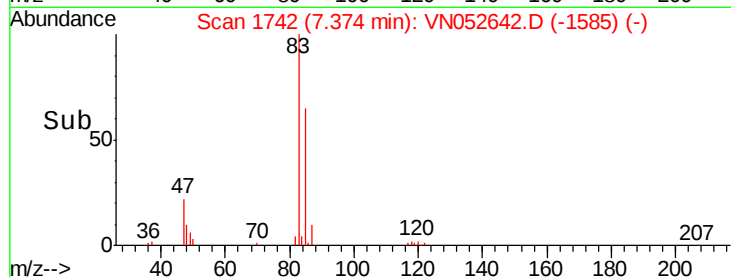
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 18.039 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

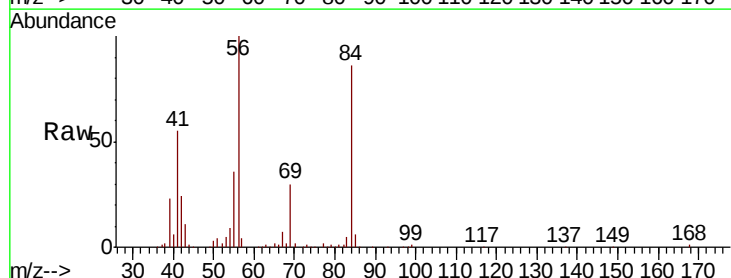
Tgt Ion: 56 Resp: 318172

Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

84 85.6 66.2 99.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

200000

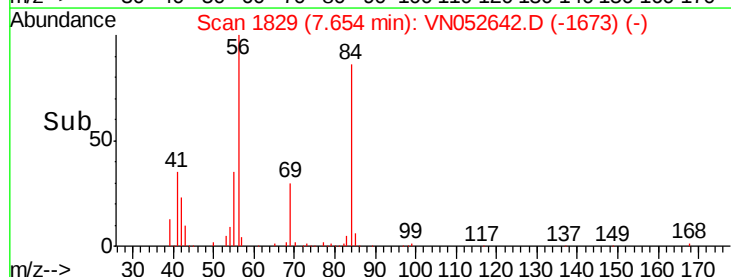
150000

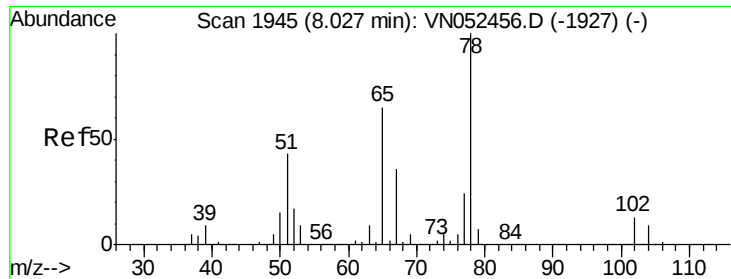
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 18.039 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 325607

Ion Ratio Lower Upper

65 100

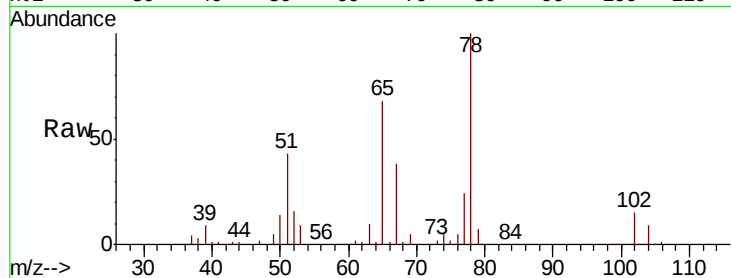
67 54.9 44.6 66.8

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN052456.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN052456.D (-1927) (-)

8.03

150000

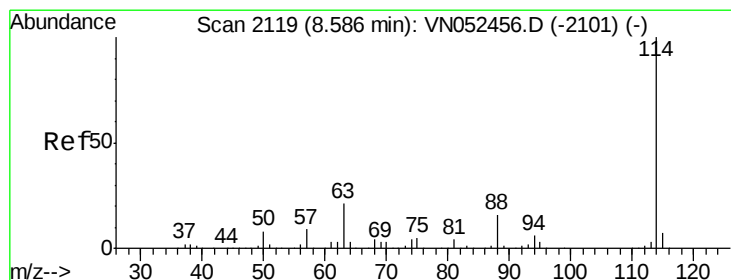
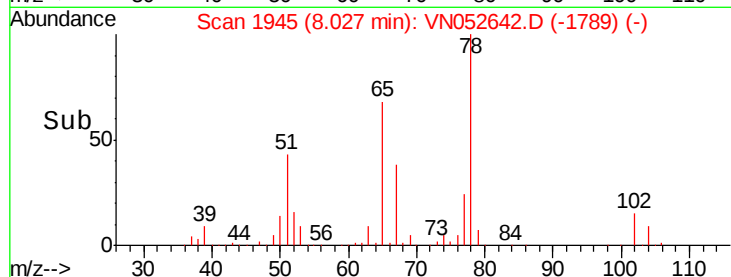
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

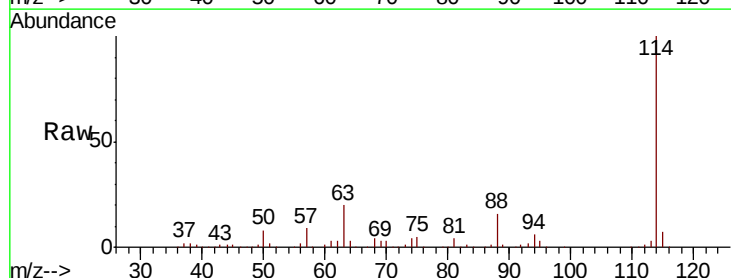
Tgt Ion: 114 Resp: 915294

Ion Ratio Lower Upper

114 100

63 20.3 16.9 25.3

88 15.7 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052456.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN052456.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN052456.D (-2101) (-)

8.59

600000

500000

400000

300000

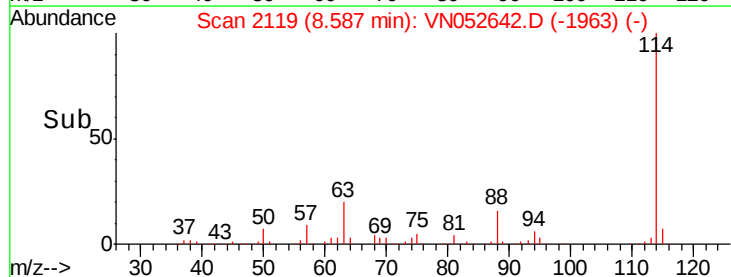
200000

100000

0

8.50 8.60 8.70

Time-->





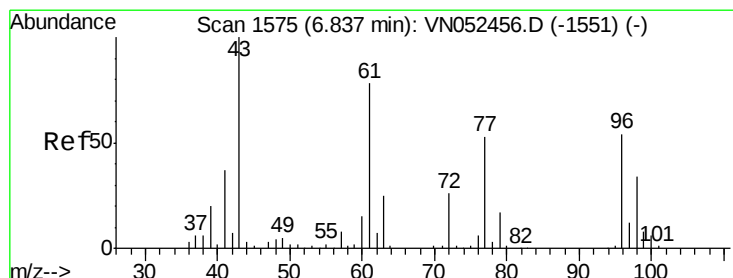
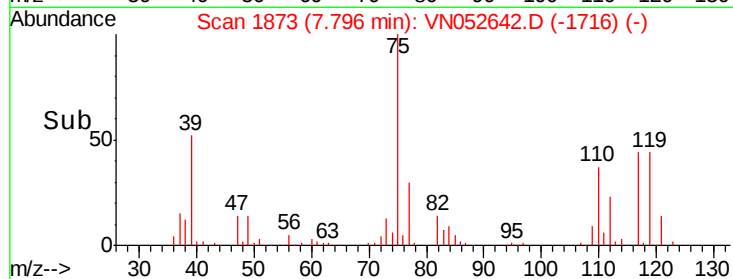
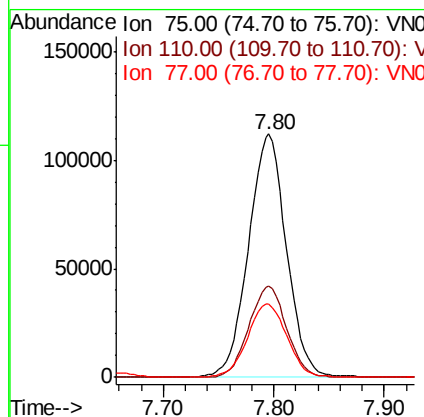
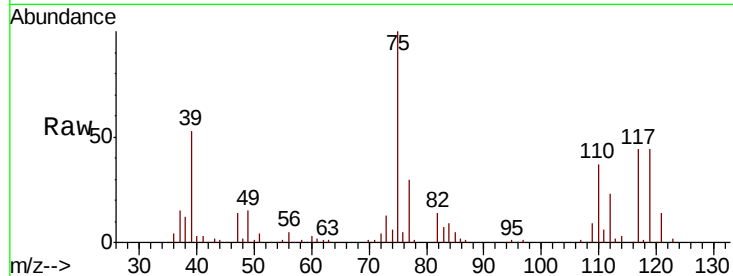
#29
 1,1-Dichloropropene
 Concen: 19.054 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.4	0.0	70.2
77	31.7	0.0	62.6

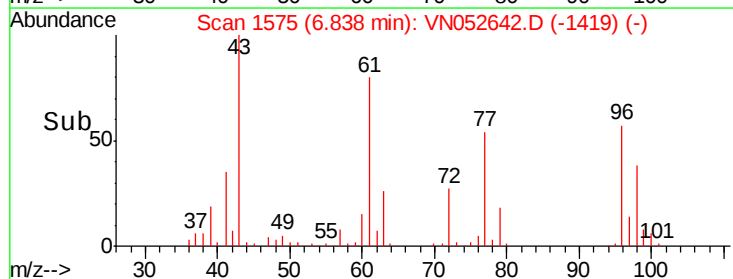
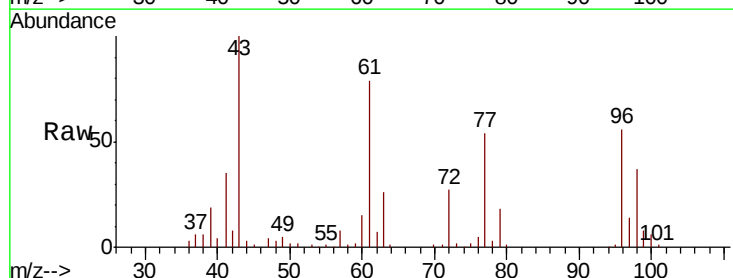
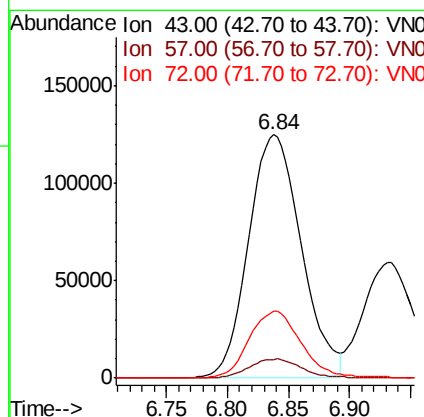
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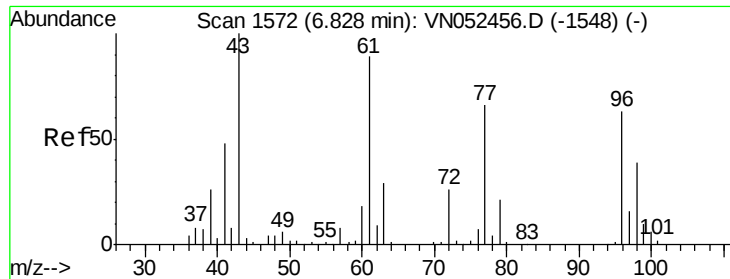
MMDadoda
 12/4/2018 2:57:04 PM



#30
 2-Butanone
 Concen: 99.656 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.2	9.4
72	27.2	21.0	31.6





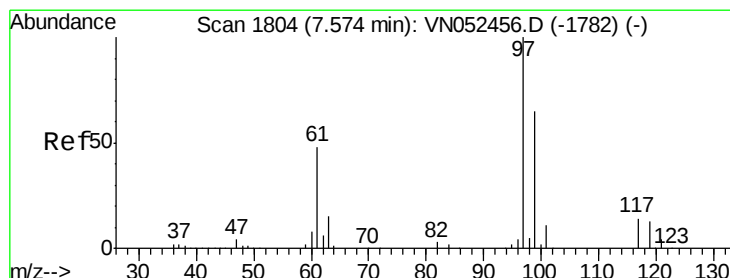
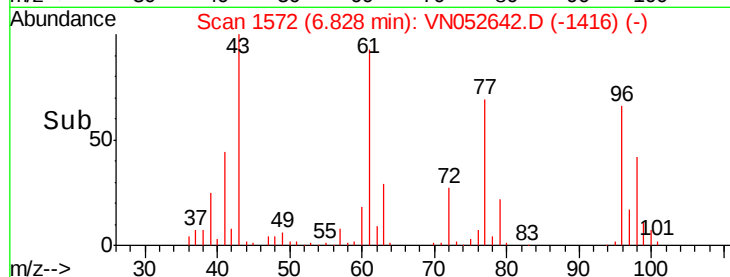
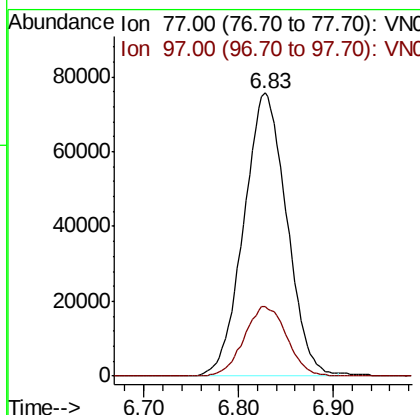
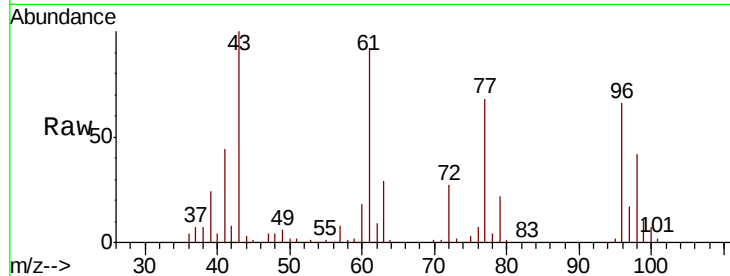
#31
 2,2-Dichloropropane
 Concen: 18.536 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 238526
 Ion Ratio Lower Upper
 77 100
 97 24.5 18.7 28.1

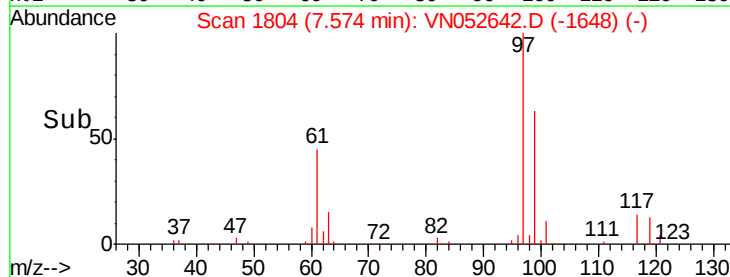
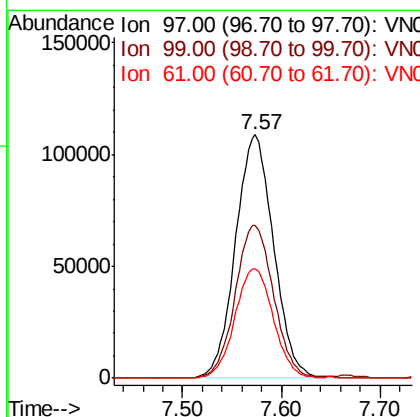
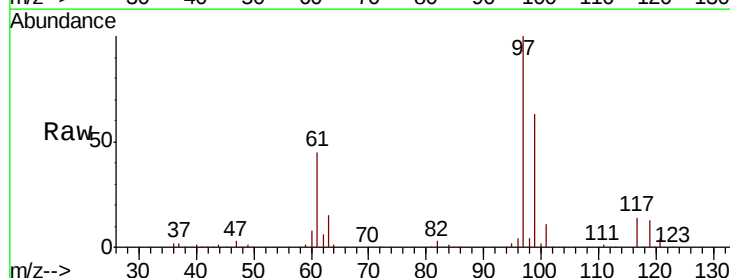
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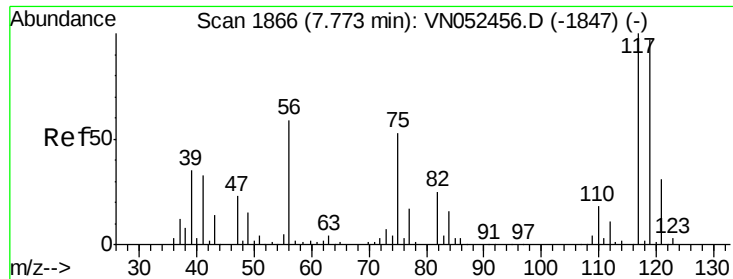
MMDadoda
 12/4/2018 2:57:04 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.039 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 97 Resp: 291442
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.9 76.3
 61 45.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.629 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

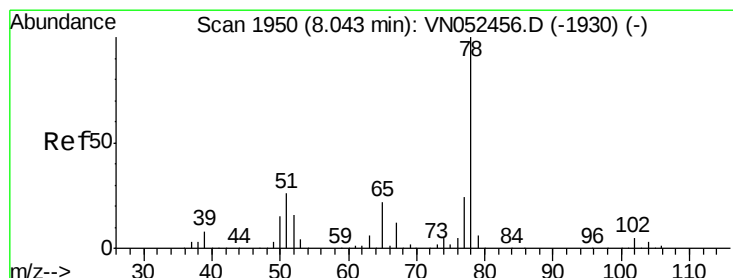
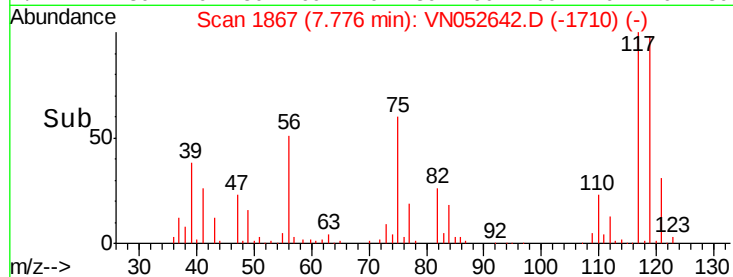
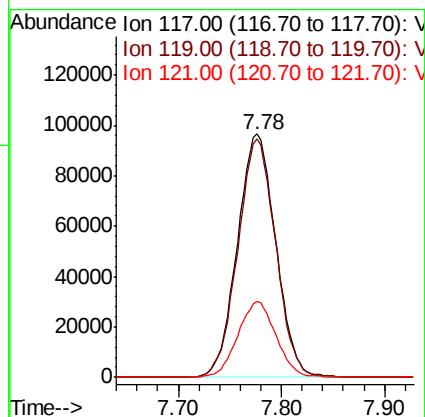
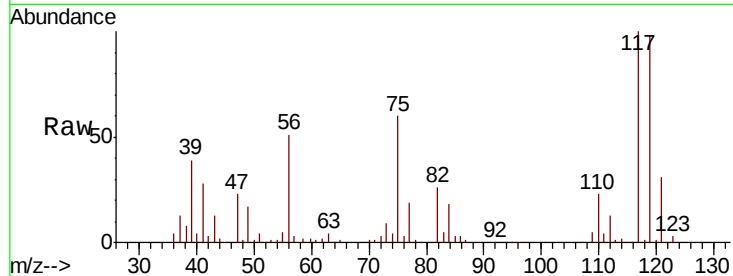
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	249792
Ion Ratio	Lower	Upper	
117	100		
119	97.8	77.3	115.9
121	31.0	24.9	37.3

Manual Integrations
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12/4/2018 2:57:04 PM



#34

Benzene

Concen: 19.686 ug/l

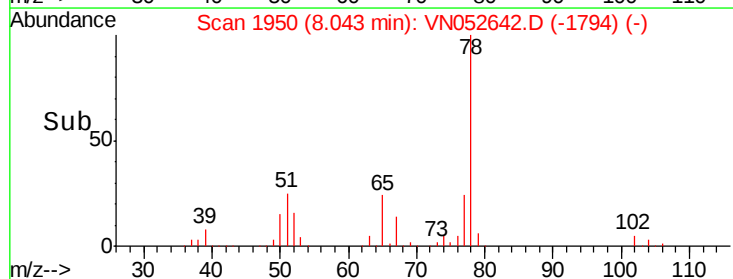
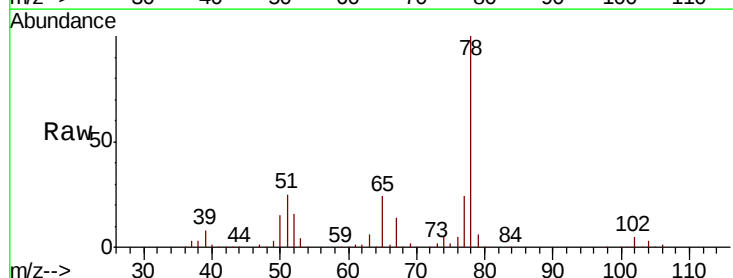
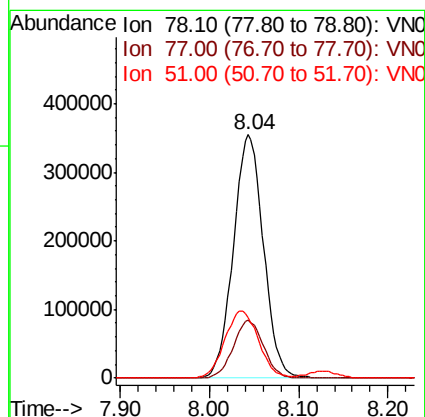
RT: 8.04 min Scan# 1950

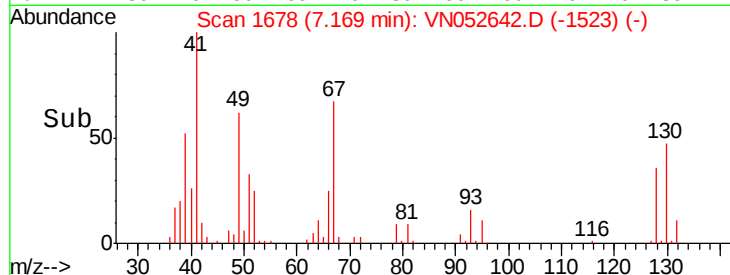
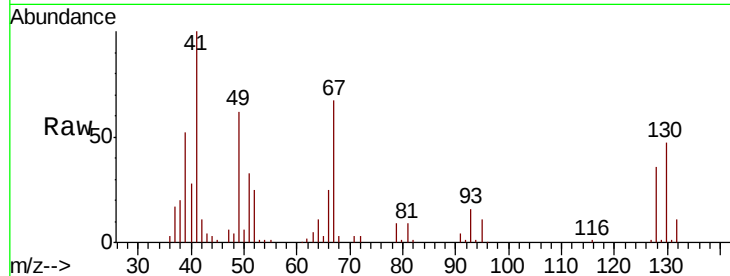
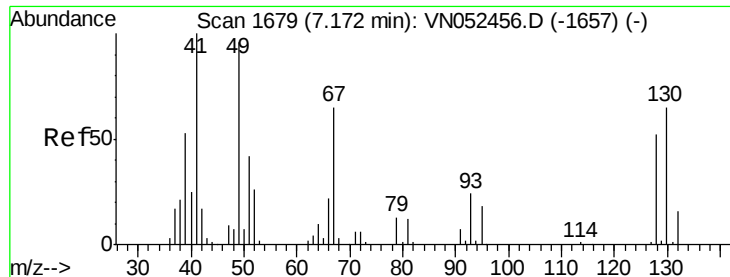
Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

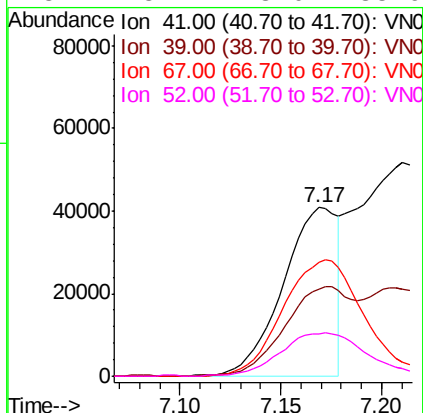
Tgt Ion:	78	Resp:	827291
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.0	28.6
51	24.7	20.5	30.7





#35
Methacrylonitrile
Concen: 16.517 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

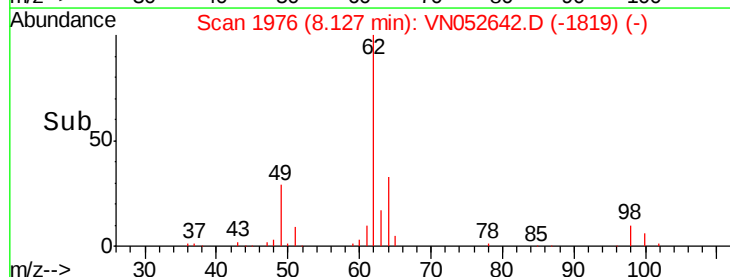
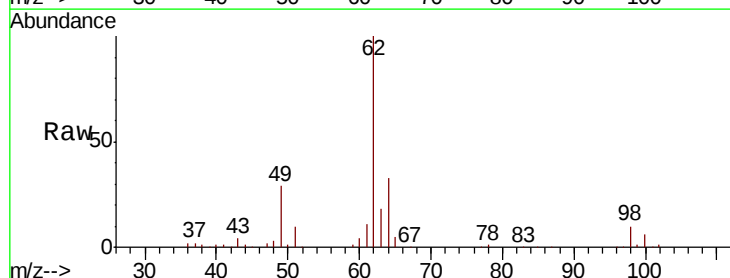
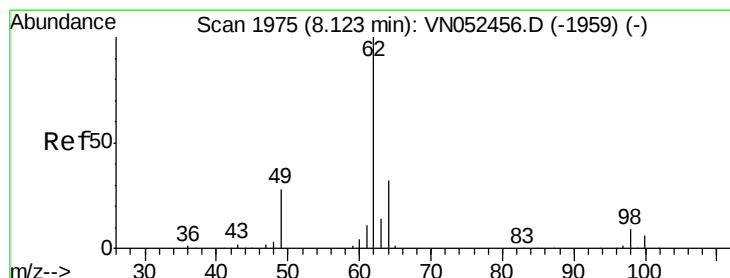
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	26.6	79.7	
67	67.2	32.3	96.9	
52	25.2	13.0	38.9	



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

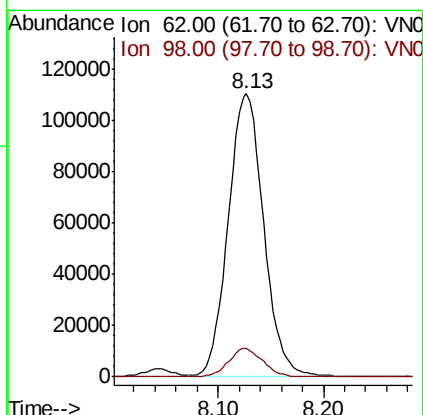
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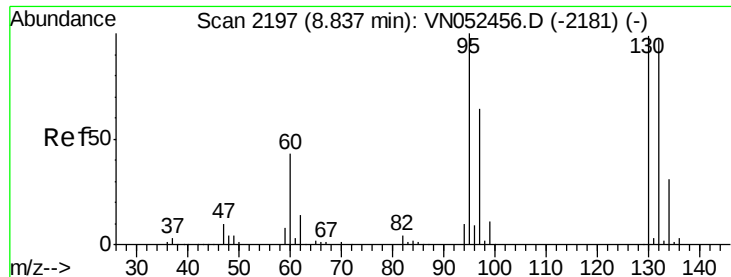
MMDadoda
12/4/2018 2:57:04 PM



#36
1,2-Dichloroethane
Concen: 20.125 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	7.4	11.2	





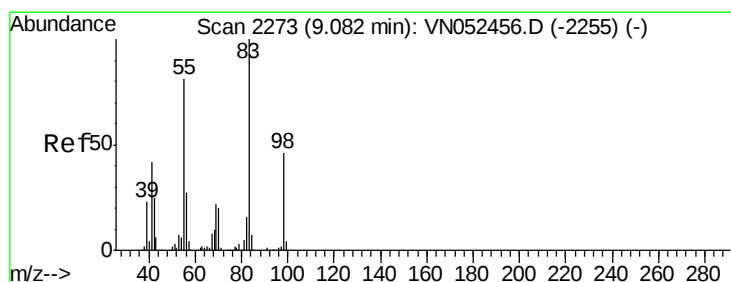
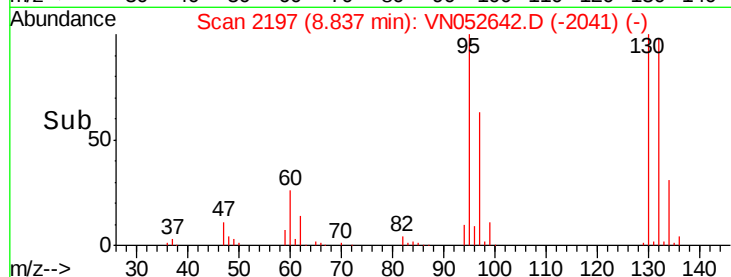
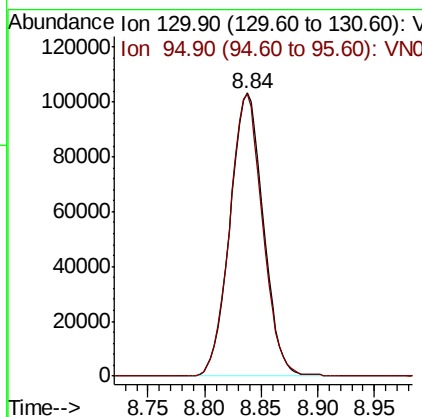
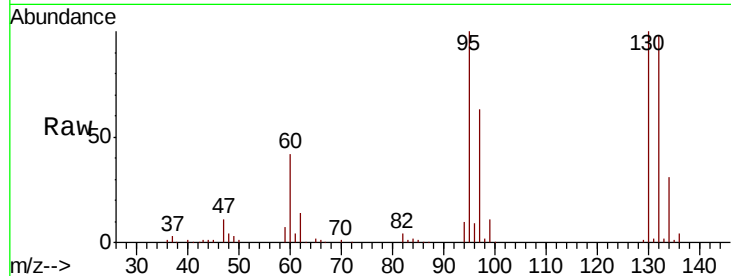
#37
 Trichloroethene
 Concen: 19.872 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 211758
 Ion Ratio Lower Upper
 130 100
 95 99.6 81.0 121.4

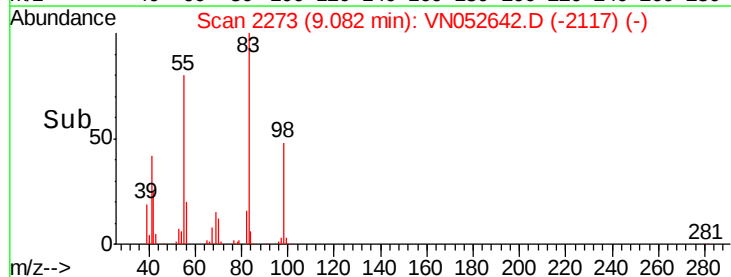
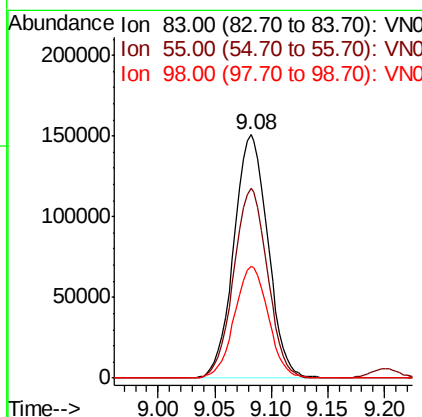
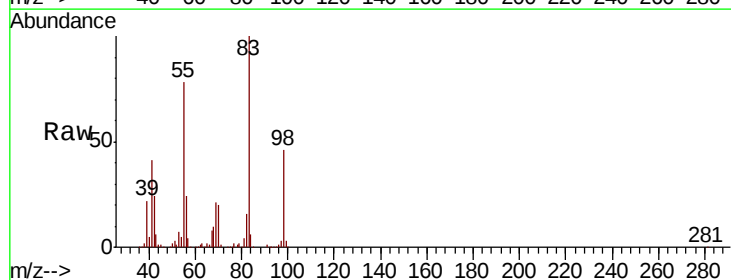
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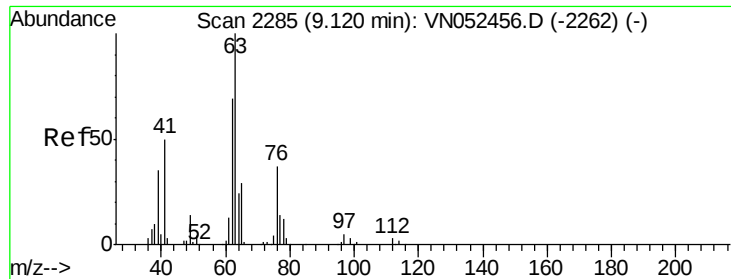
MMDadoda
 12/4/2018 2:57:04 PM



#38
 Methylcyclohexane
 Concen: 18.282 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion: 83 Resp: 316322
 Ion Ratio Lower Upper
 83 100
 55 77.5 39.8 119.4
 98 45.7 22.9 68.5





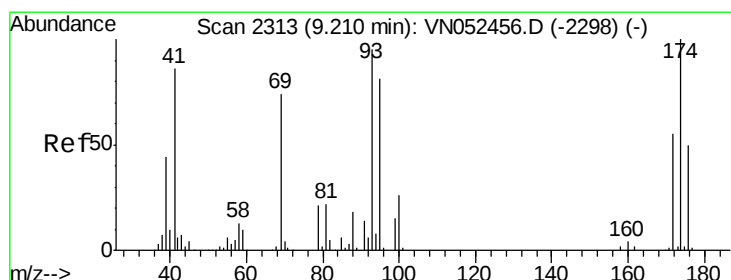
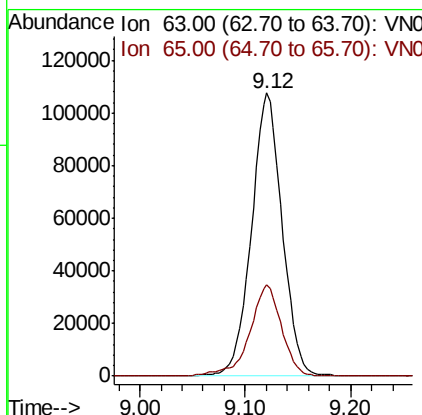
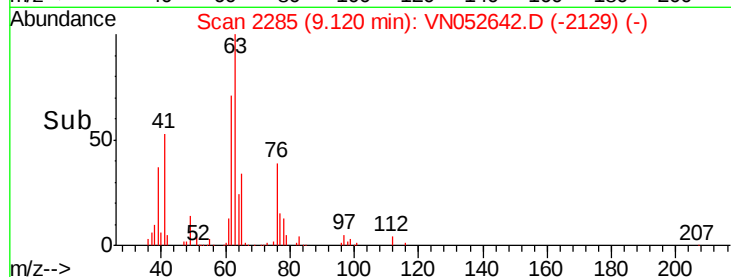
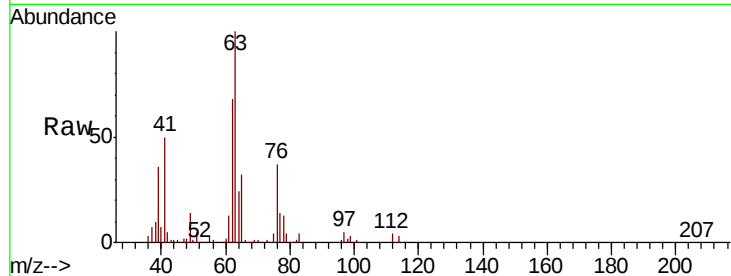
#39
 1,2-Dichloropropane
 Concen: 19.368 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	63	Resp	218172
Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.6	35.4

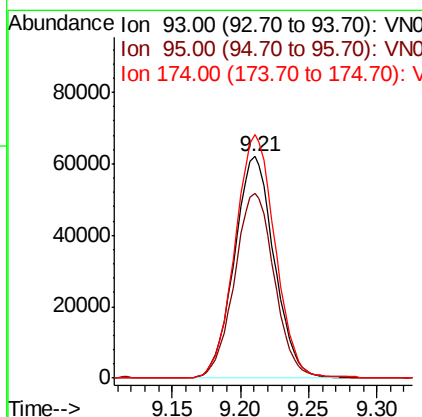
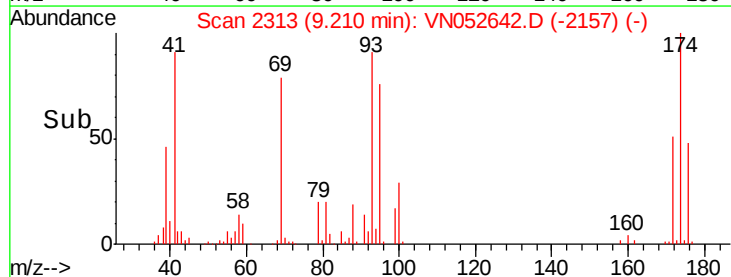
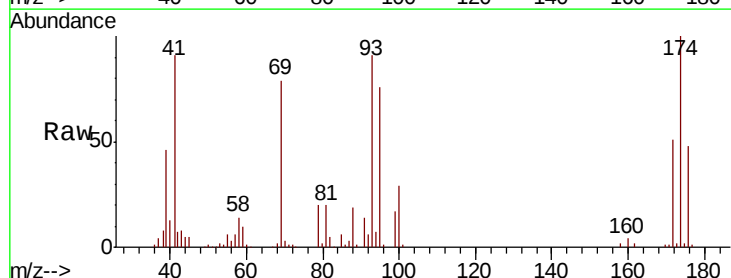
Manual Integrations
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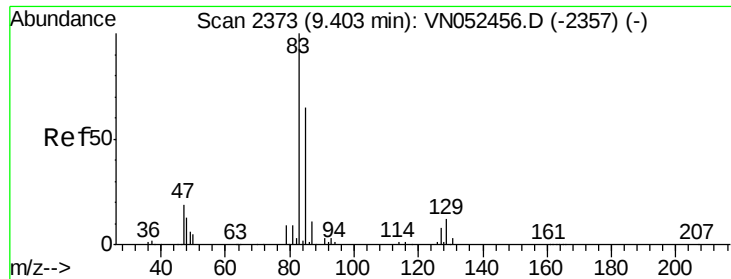
MMDadoda
 12/4/2018 2:57:04 PM



#40
 Dibromomethane
 Concen: 20.788 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	93	Resp	126547
Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	168.4
174	110.0	0.0	210.0





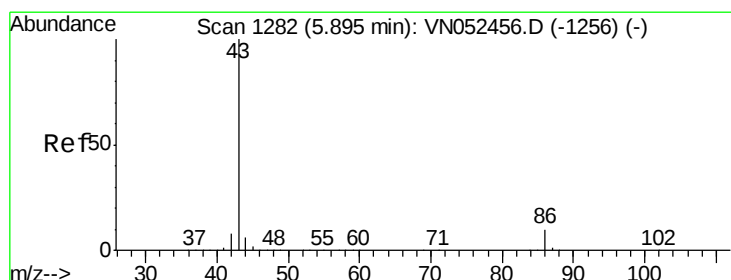
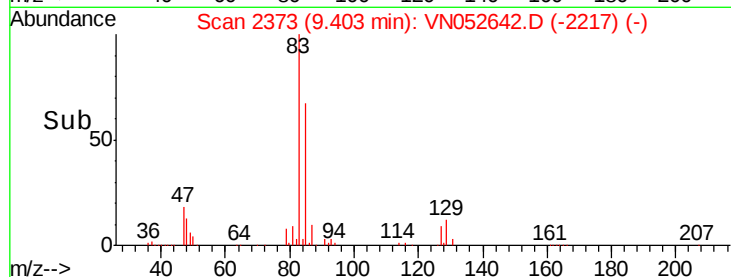
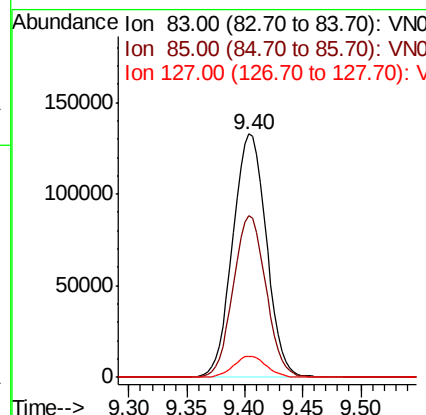
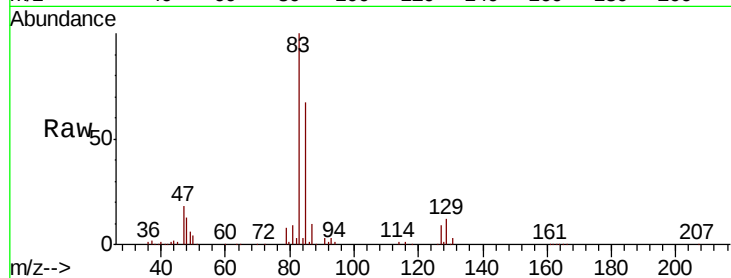
#41
Bromodichloromethane
Concen: 19.824 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	266624
Ion Ratio	100	Lower	Upper
83	100		
85	66.6	52.4	78.6
127	8.8	6.6	9.8

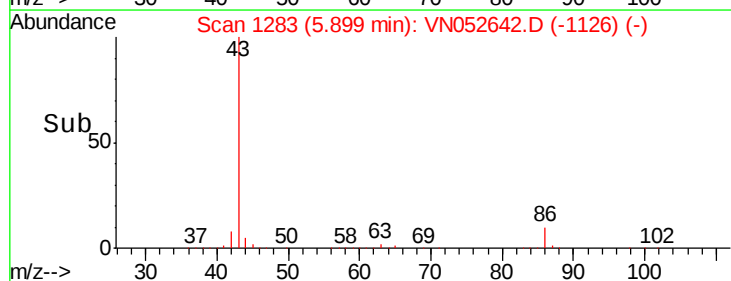
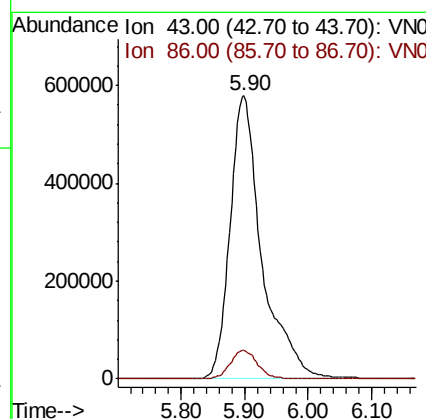
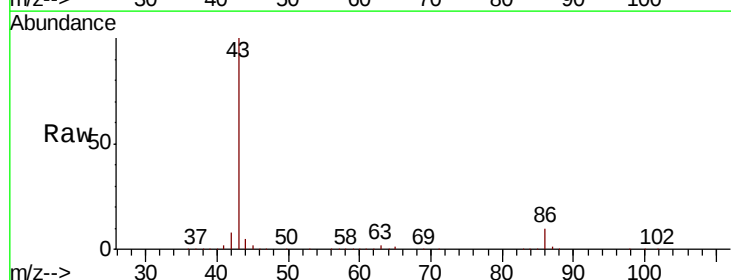
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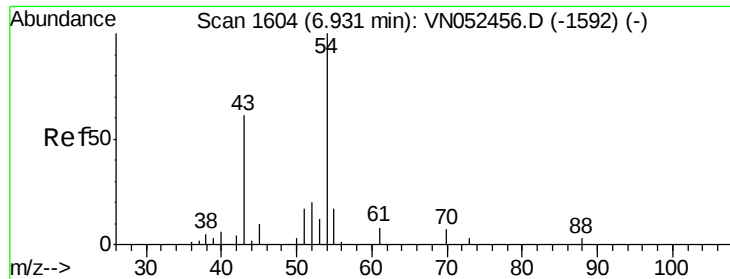
MMDadoda
12/4/2018 2:57:04 PM



#42
Vinyl Acetate
Concen: 99.615 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	43	Resp	2015856
Ion Ratio	100	Lower	Upper
43	100		
86	8.6	6.5	9.7





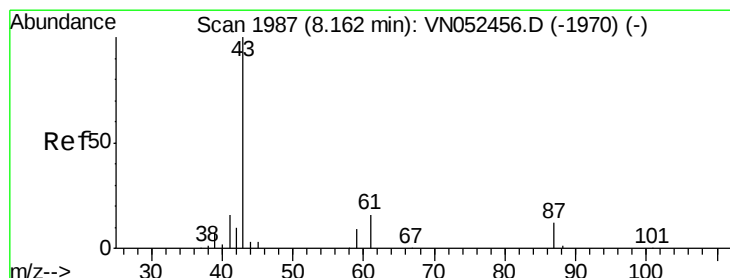
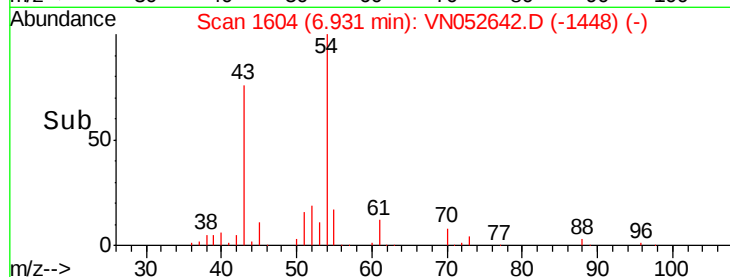
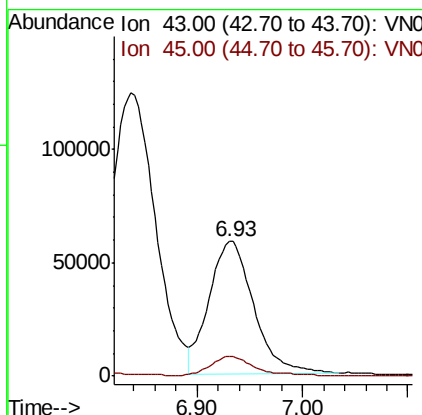
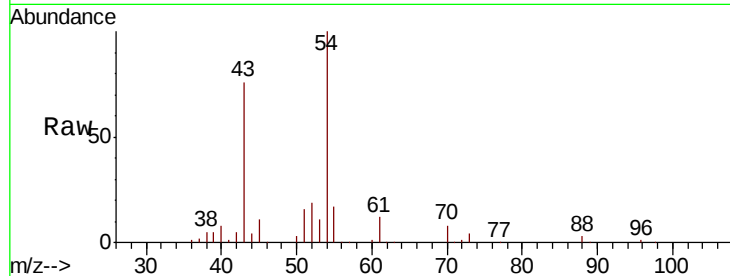
#43
Ethyl Acetate
Concen: 21.655 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC020EC

Tot Ion	43	45	Ratio	Lower	Upper
172220	100	13.4		1.0	1.6#

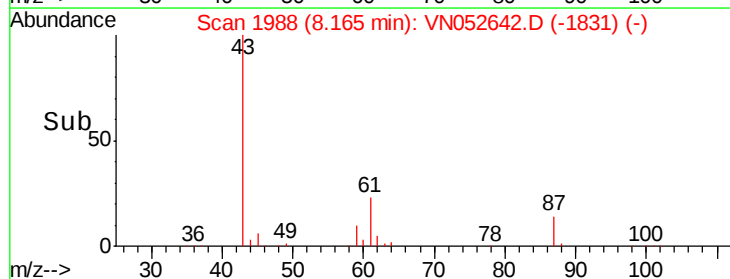
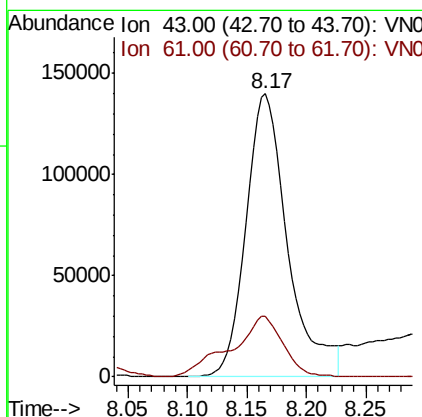
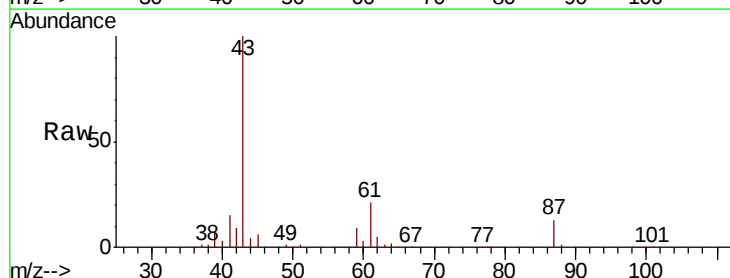
Manual Integrations
APPROVED

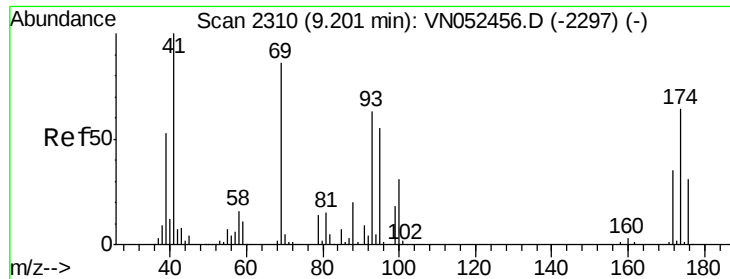
MMDadoda
12/4/2018 2:57:04 PM



#44
Isopropyl Acetate
Concen: 24.189 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	43	61	Ratio	Lower	Upper
337389	100	26.4		16.0	24.0#





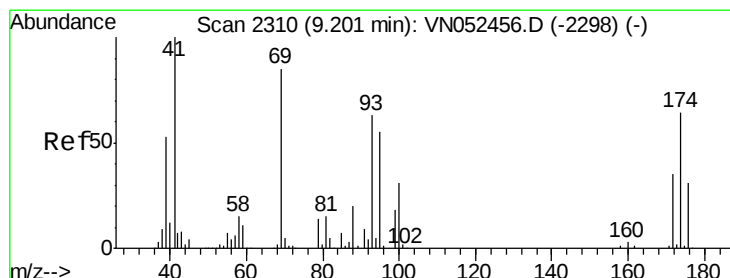
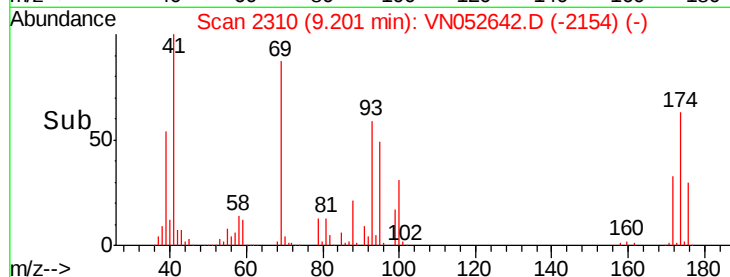
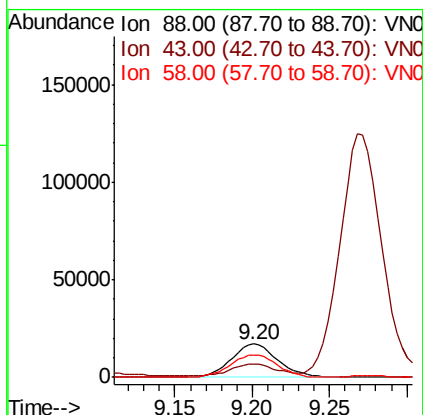
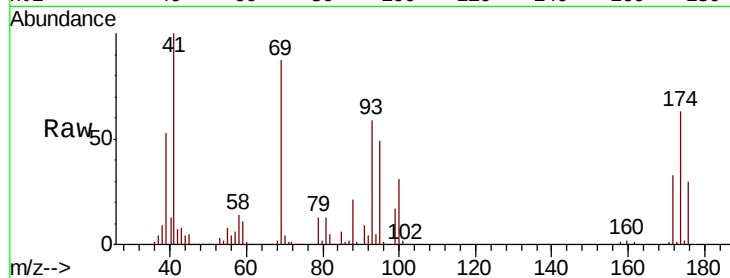
#45
1,4-Dioxane
Concen: 462.172 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	29.5	44.3
58	68.5	61.5	92.3

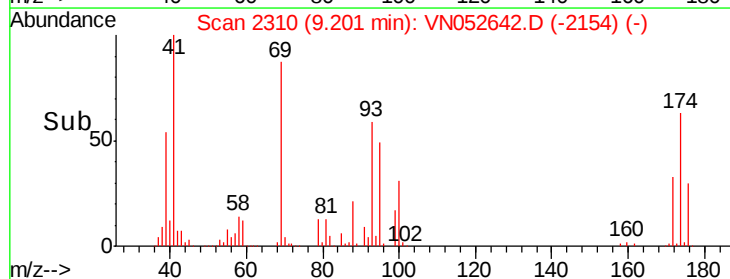
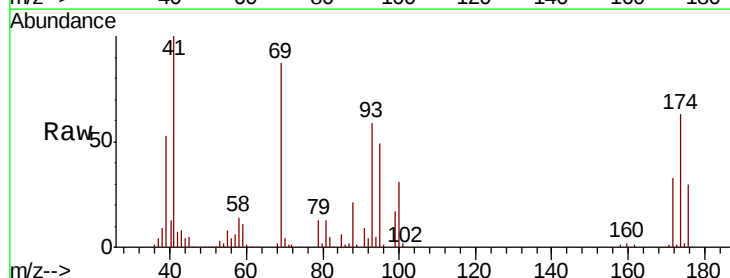
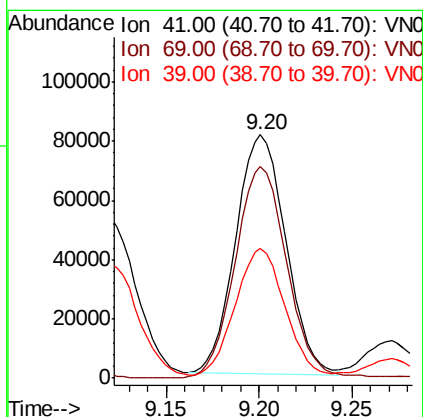
Manual Integrations
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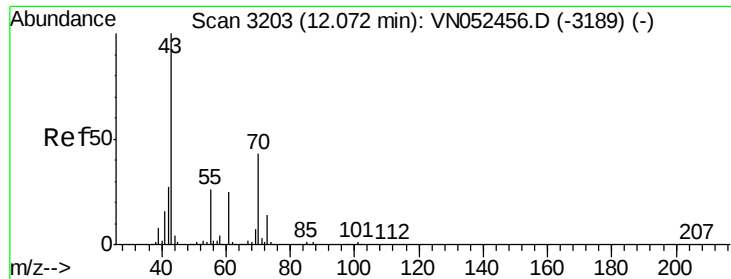
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12/4/2018 2:57:04 PM



#46
Methyl methacrylate
Concen: 20.980 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.2	42.5	127.6
39	53.3	26.3	78.9





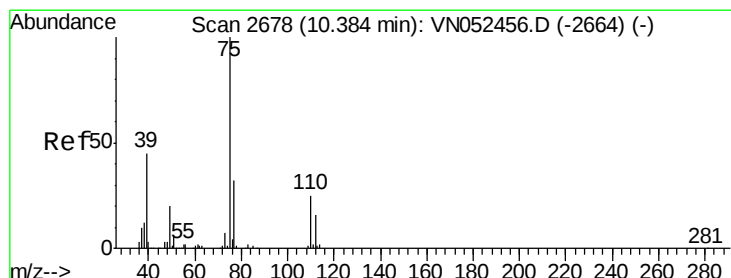
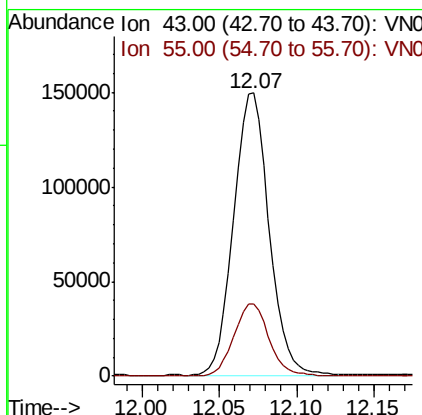
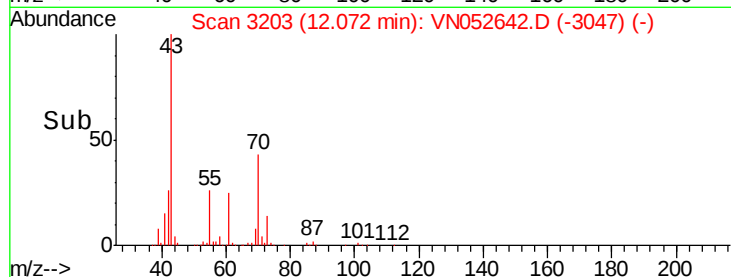
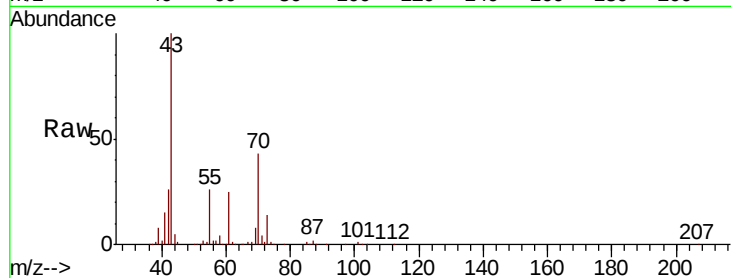
#47
n-amvl Acetate
Concen: 20.458 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Resp	236596
Ion Ratio	Lower	Upper	
43	100		
55	25.6	21.1	31.7

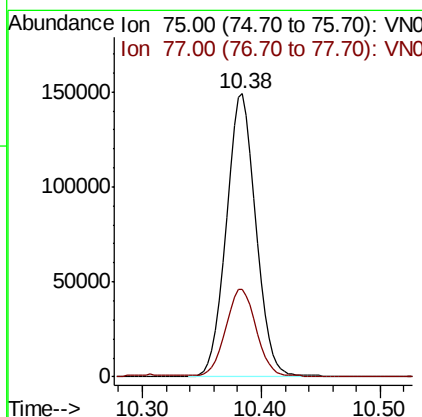
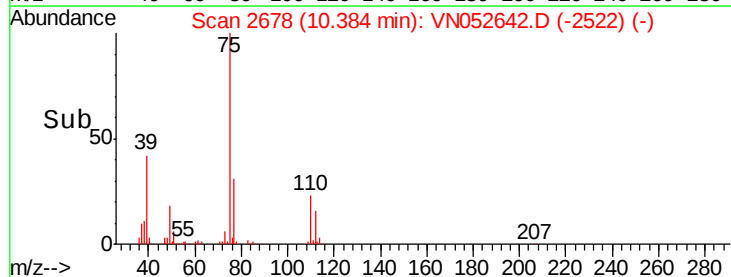
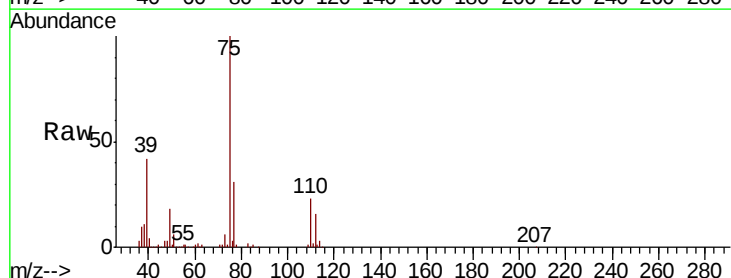
Manual Integrations
APPROVED

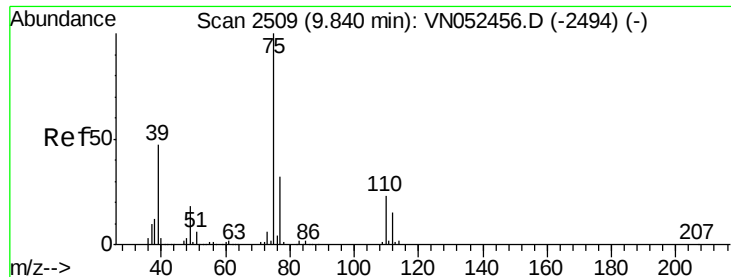
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 19.696 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	75	Resp	256855
Ion Ratio	Lower	Upper	
75	100		
77	30.8	25.6	38.4





#49

cis-1,3-Dichloropropene

Concen: 19.476 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

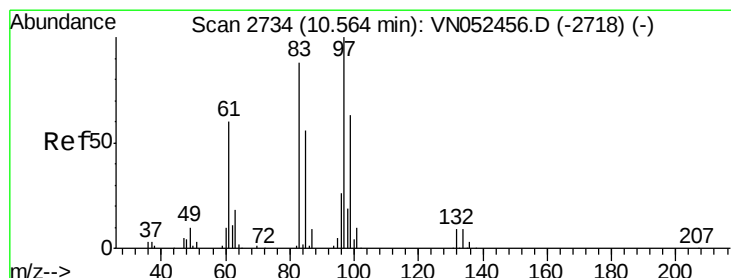
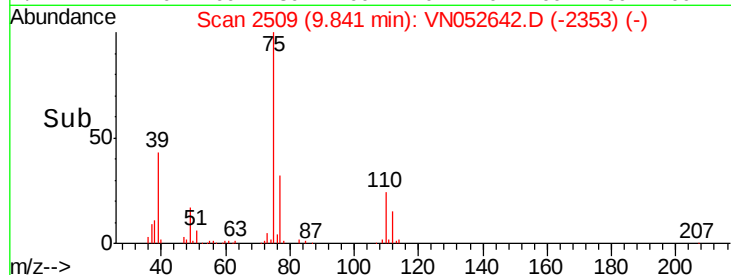
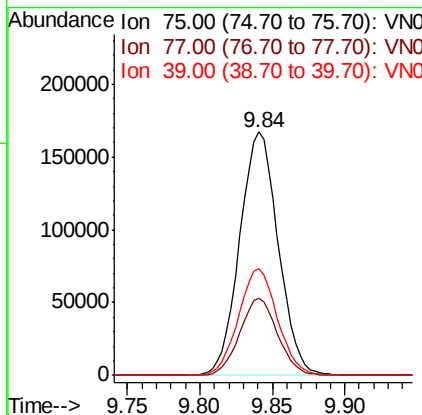
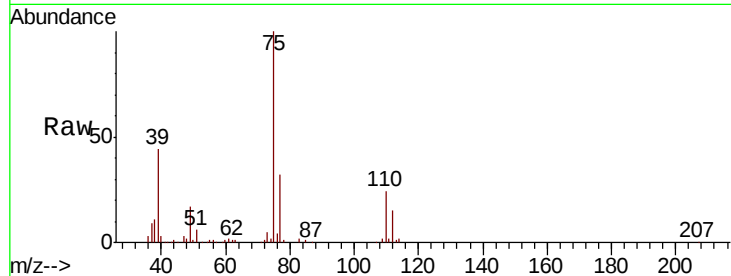
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	309438
Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	43.4	37.3	55.9

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#50

1,1,2-Trichloroethane

Concen: 21.149 ug/l

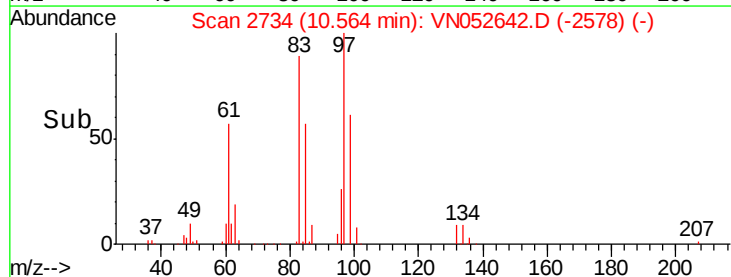
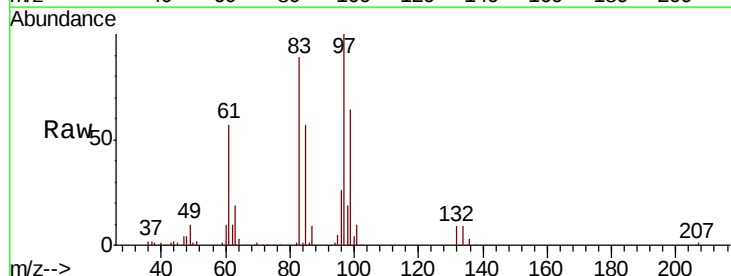
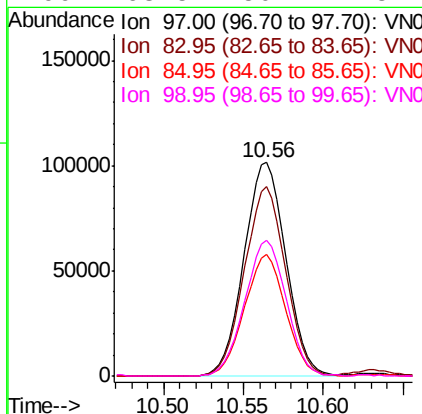
RT: 10.56 min Scan# 2734

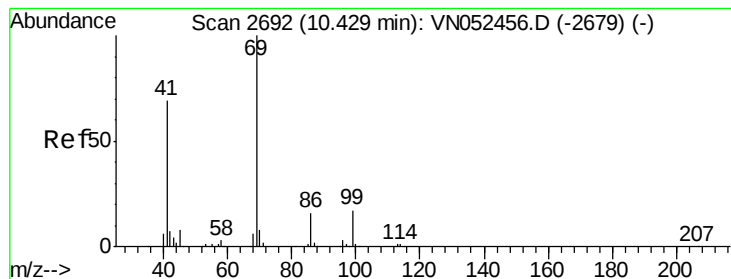
Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tgt Ion:	97	Resp:	182492
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.4	105.6
85	56.8	45.0	67.6
99	63.5	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.015 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

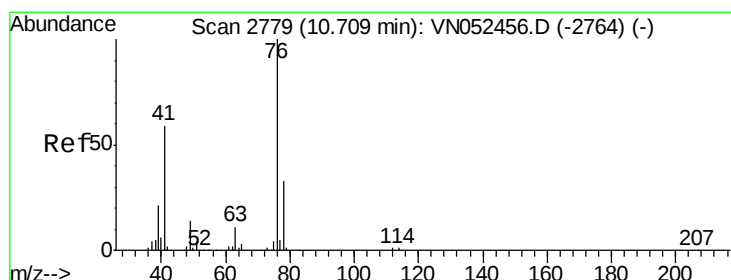
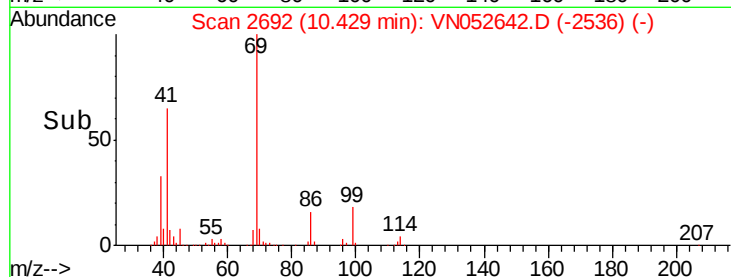
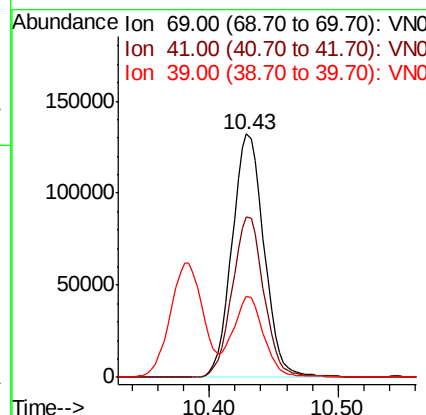
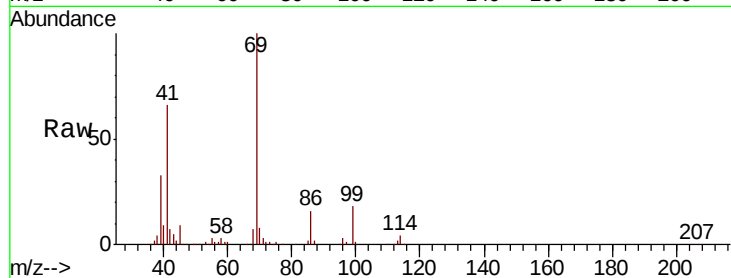
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	227744
Ion	Ratio	Lower	Upper
69	100		
41	65.4	34.4	103.3
39	32.8	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.391 ug/l

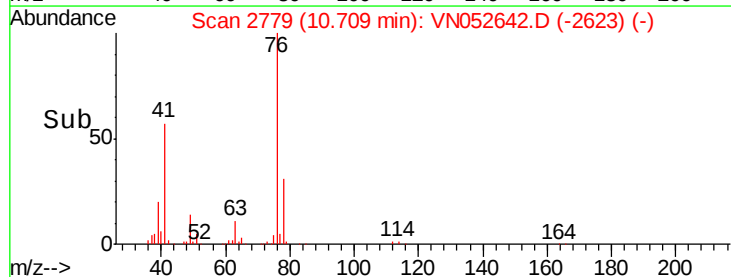
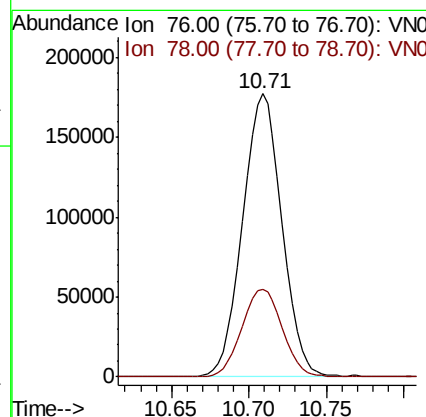
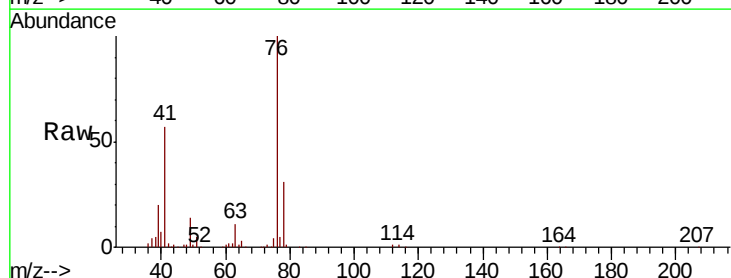
RT: 10.71 min Scan# 2779

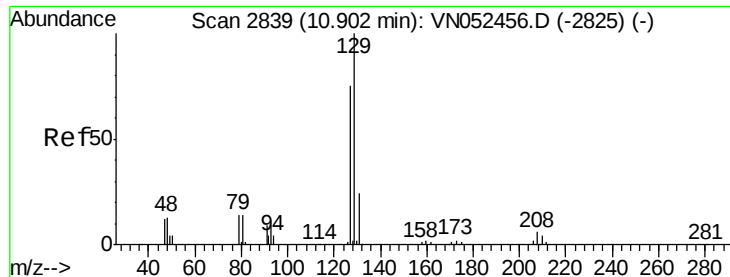
Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tgt Ion:	76	Resp:	313189
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.8





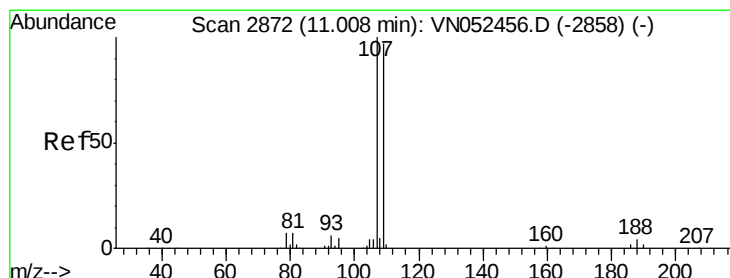
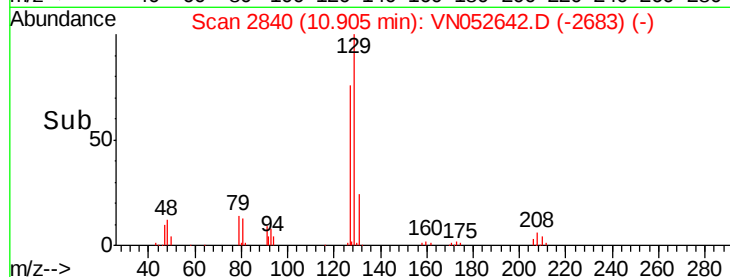
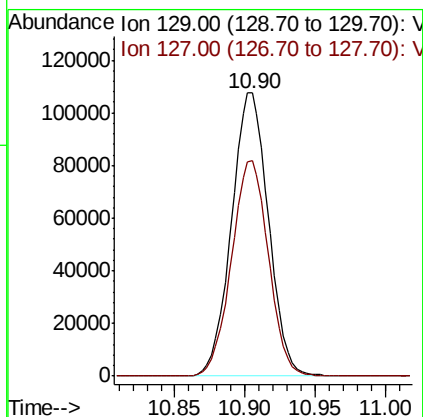
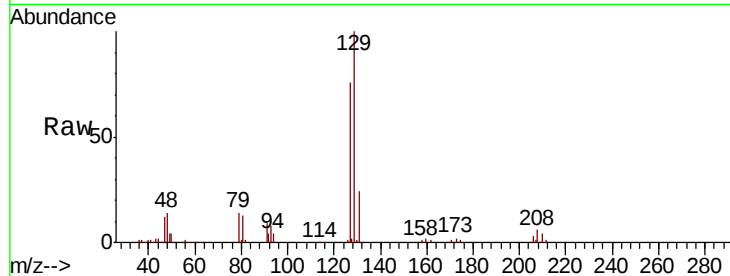
#53
 Dibromochloromethane
 Concen: 20.742 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.1	37.6	112.8	

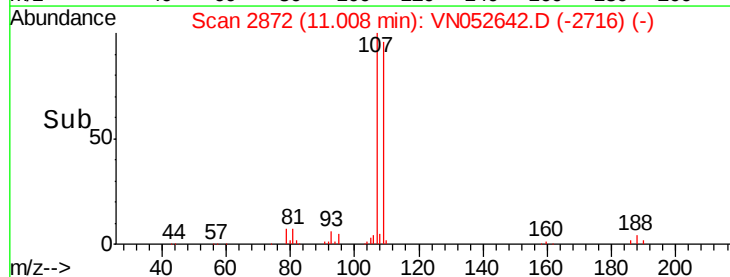
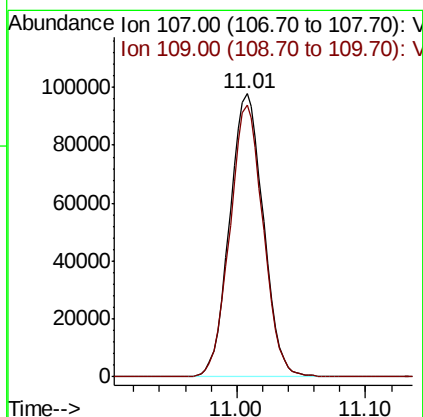
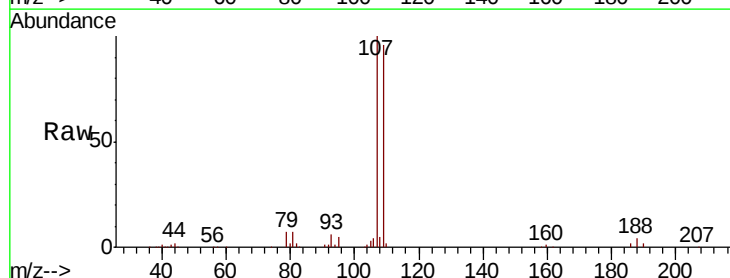
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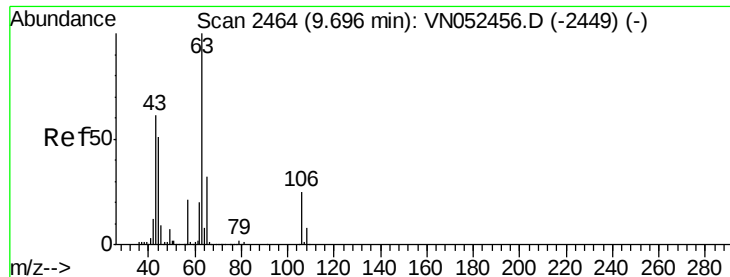
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#54
 1,2-Dibromoethane
 Concen: 21.052 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	94.9	77.1	115.7	





#55

2-Chloroethyl vinyl ether

Concen: 108.440 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

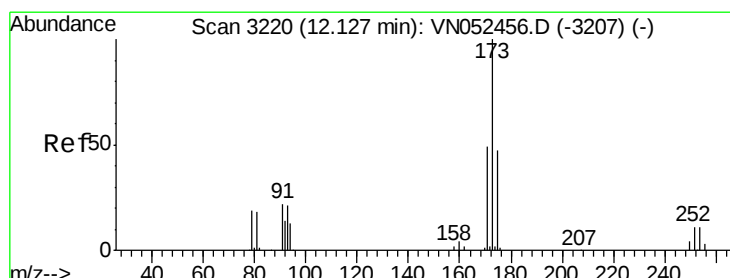
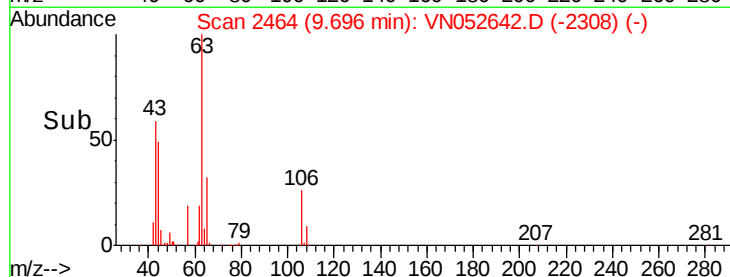
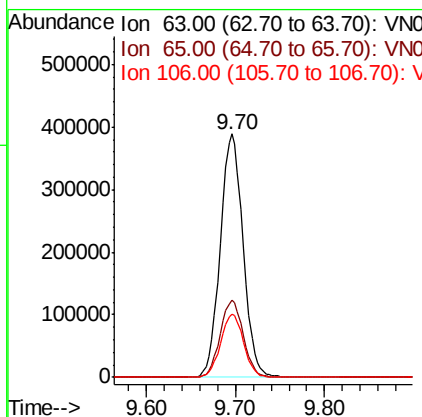
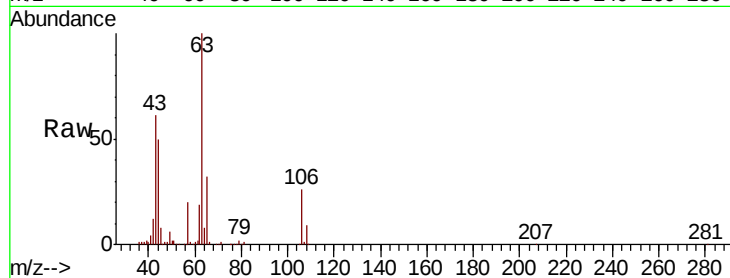
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	687916
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	26.1	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 21.079 ug/l

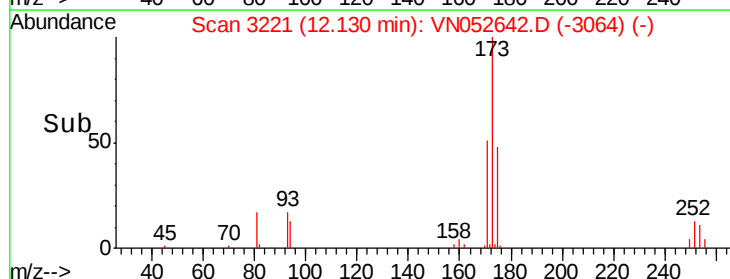
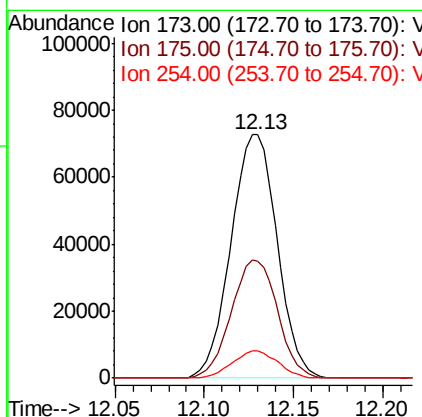
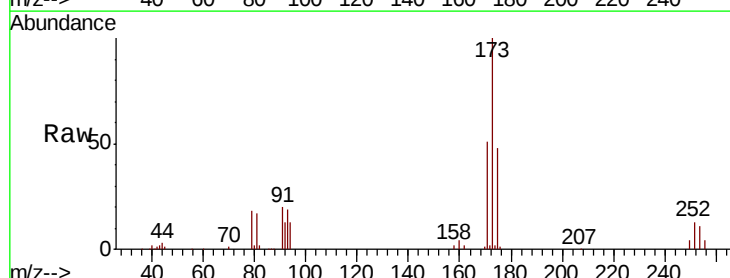
RT: 12.13 min Scan# 3221

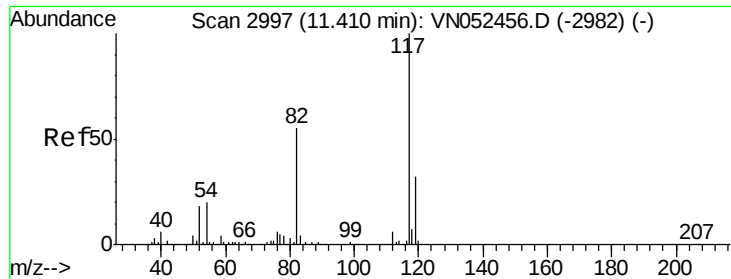
Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tgt Ion:	173	Resp:	130893
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.7	58.1
254	11.0	8.4	12.6





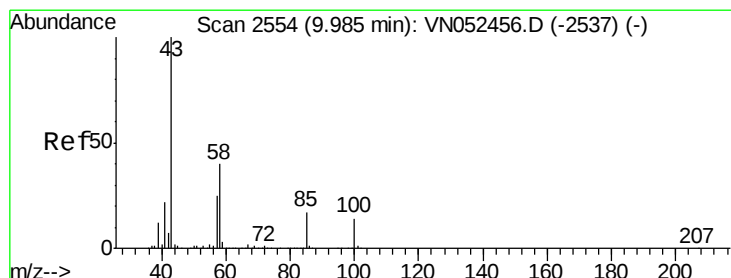
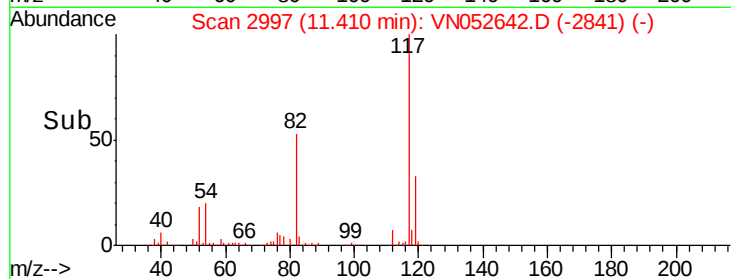
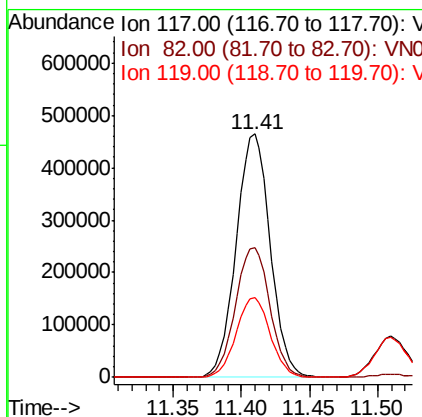
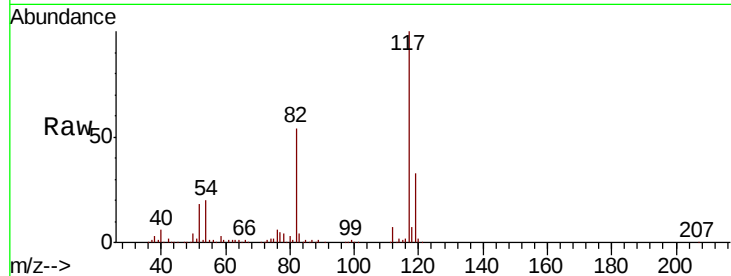
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	32.8	25.4	38.2

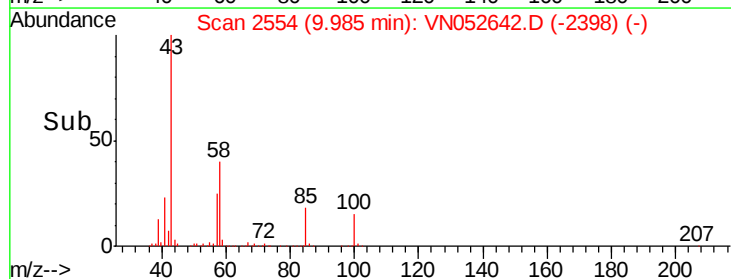
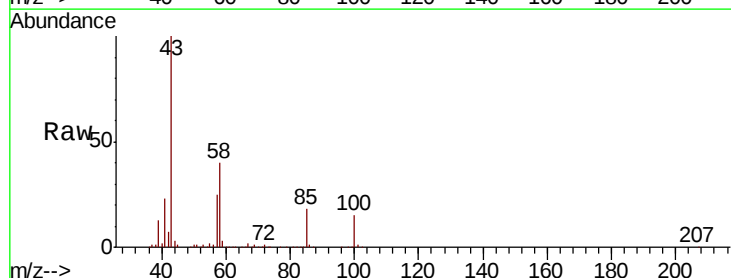
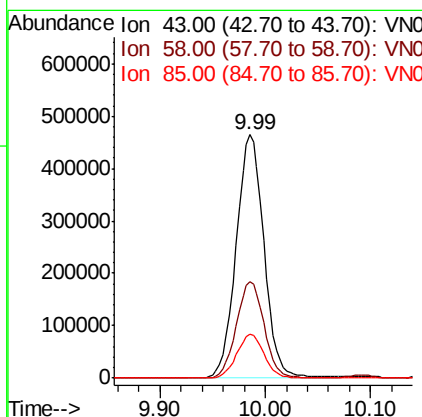
Manual Integrations
APPROVED

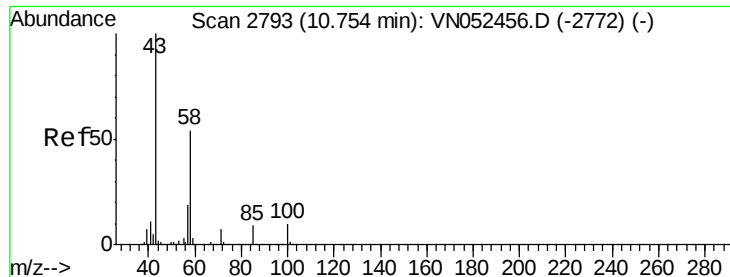
MMDadoda
12/4/2018 2:57:04 PM



#58
4-Methyl-2-Pentanone
Concen: 108.069 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4
85	17.8	13.3	19.9





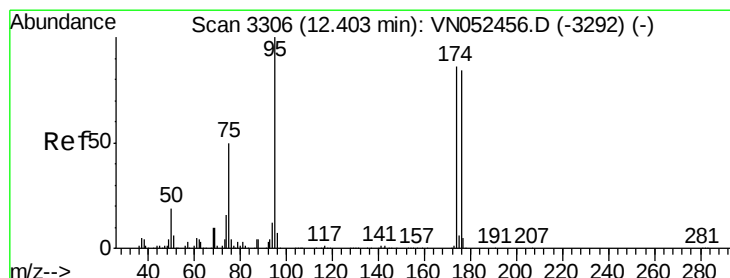
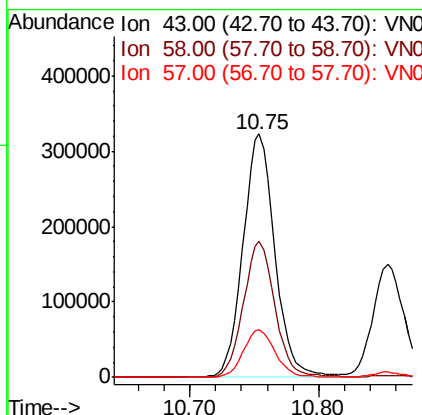
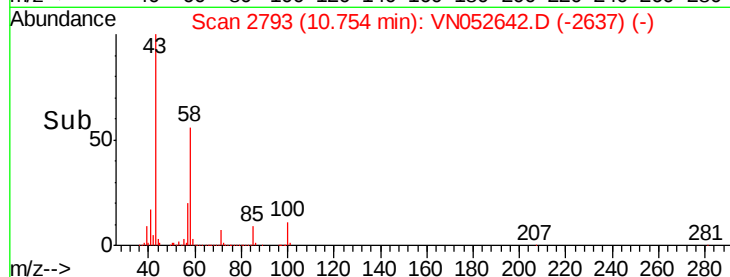
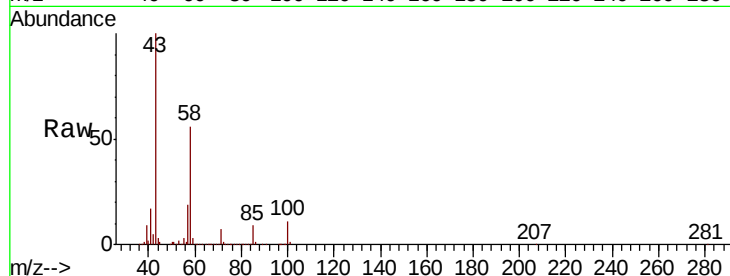
#59
2-Hexanone
Concen: 103.485 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.2	64.8
57	19.9	14.9	22.3

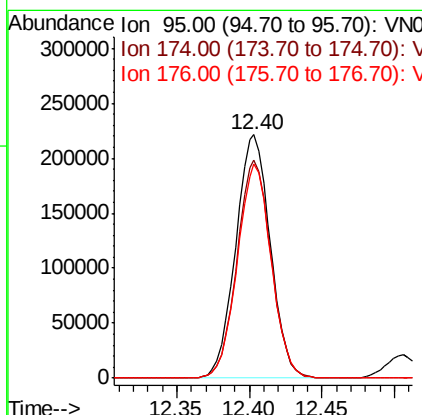
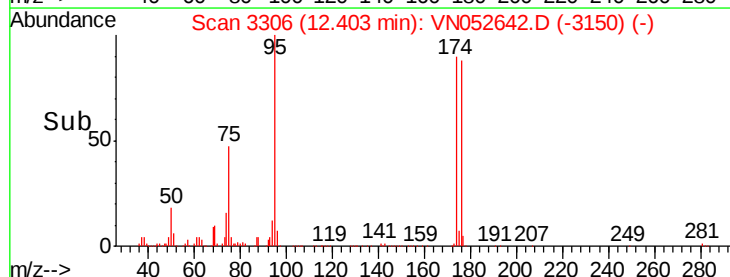
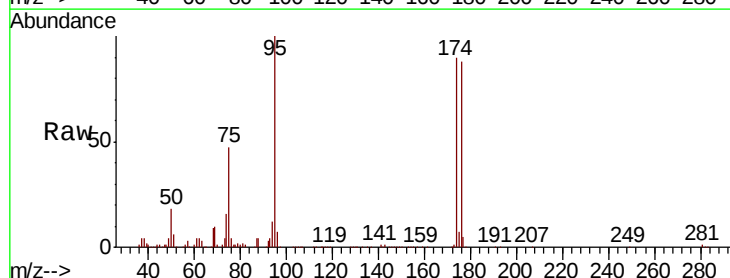
Manual Integrations
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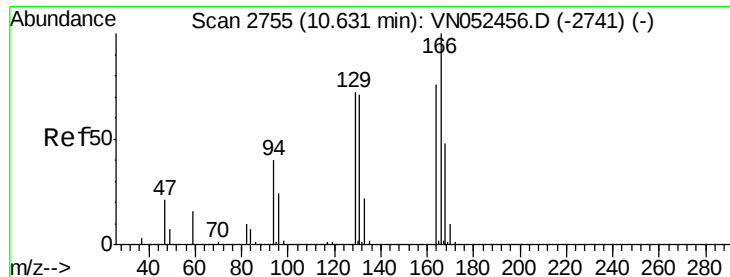
MMDadoda
12/4/2018 2:57:04 PM



#60
4-Bromofluorobenzene
Concen: 103.485 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	67.9	101.9
176	86.2	66.4	99.6





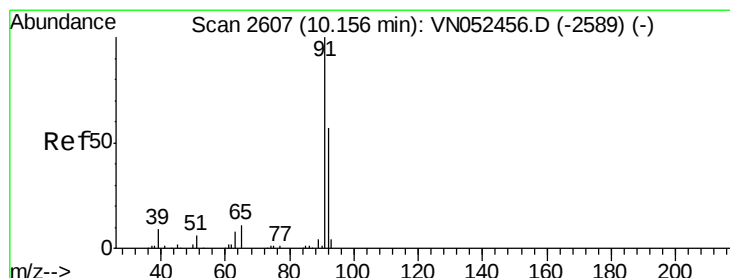
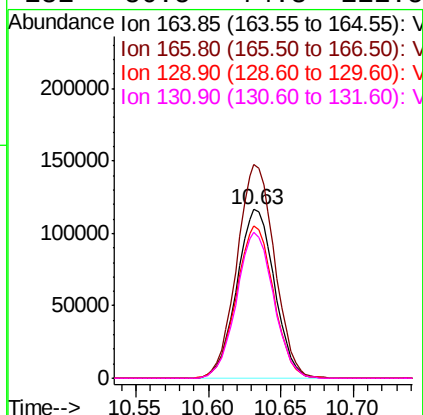
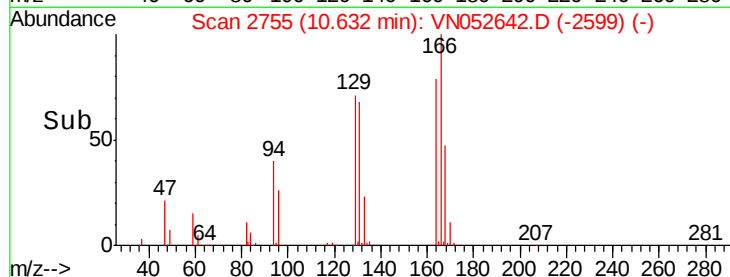
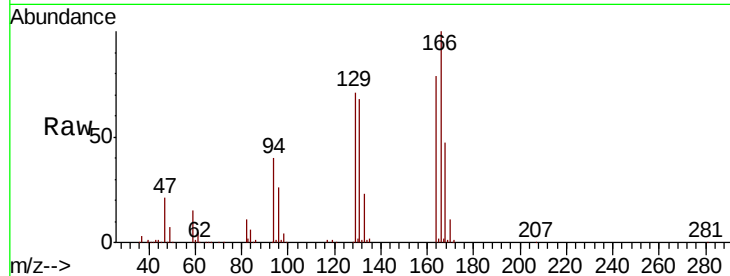
#61
Tetrachloroethene
Concen: 21.198 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	104.6	157.0
129	90.3	75.3	112.9
131	86.5	74.3	111.5

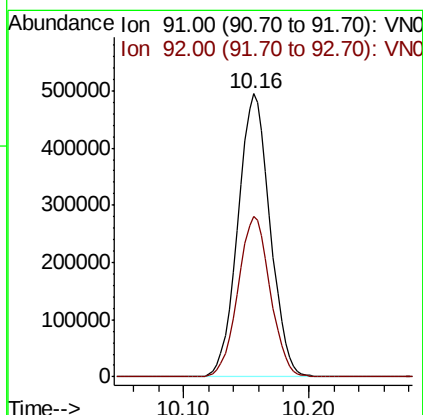
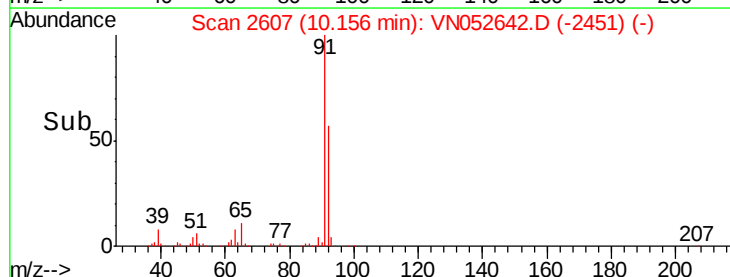
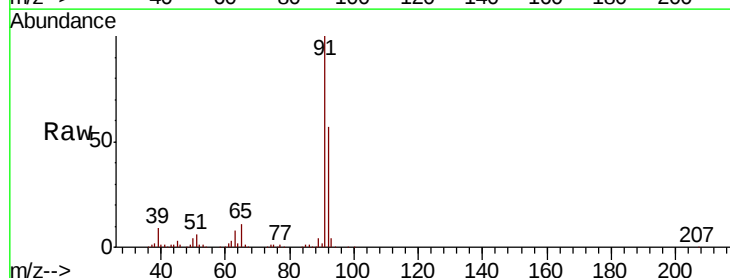
Manual Integrations
APPROVED

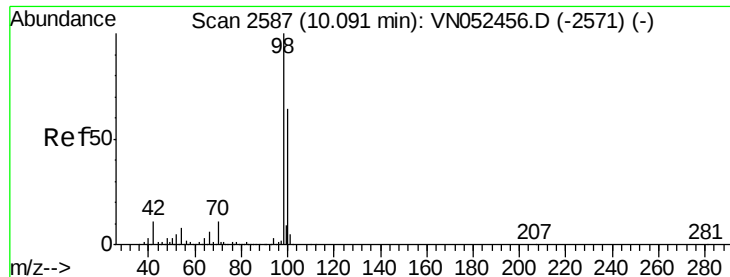
MMDadoda
12/4/2018 2:57:04 PM



#62
Toluene
Concen: 19.853 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.4	68.2





#63

Toluene-d8

Concen: 19.853 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 1103925

Ion Ratio Lower Upper

98 100

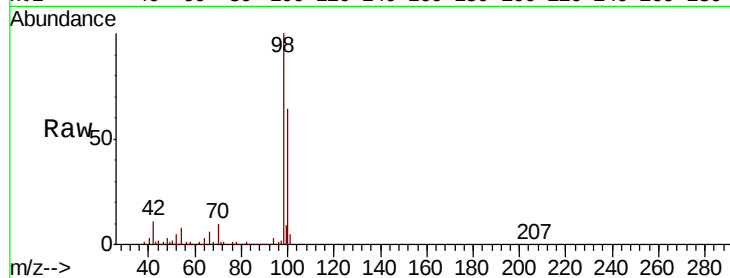
100 64.2 51.1 76.7

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)

10.09

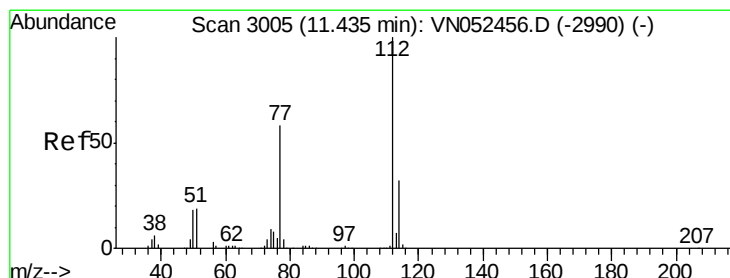
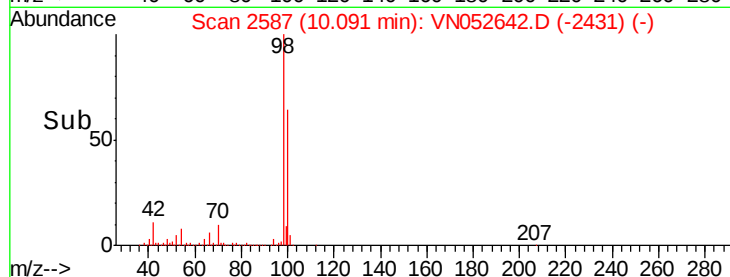
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 19.969 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052642.D

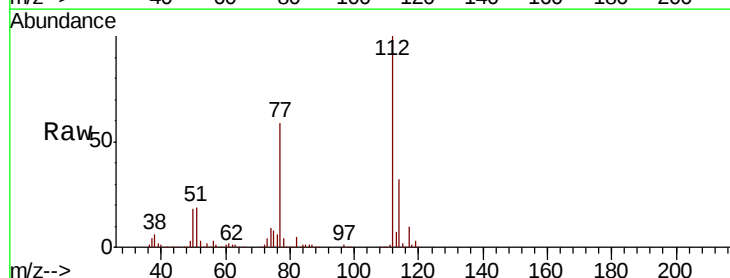
Acq: 3 Dec 2018 20:03

Tgt Ion: 112 Resp: 541028

Ion Ratio Lower Upper

112 100

114 32.4 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)

11.44

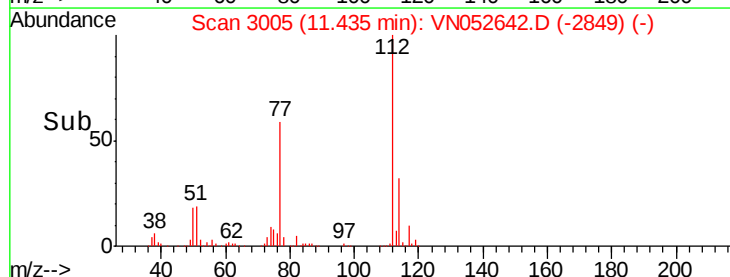
300000

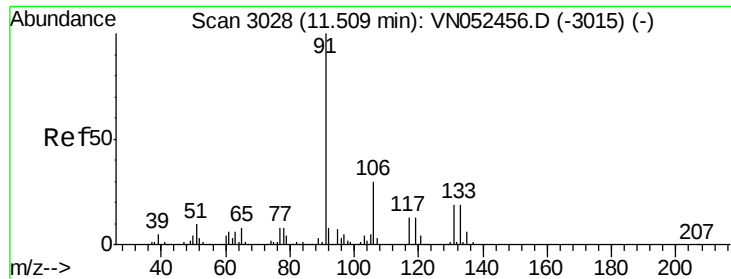
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.231 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

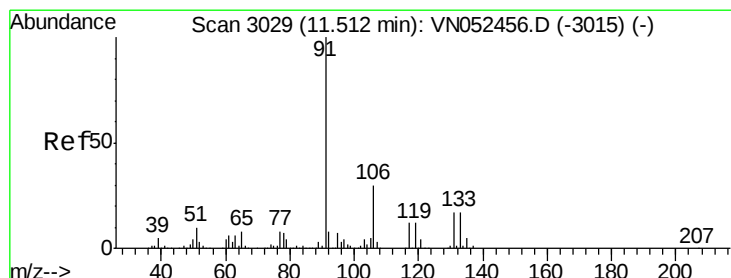
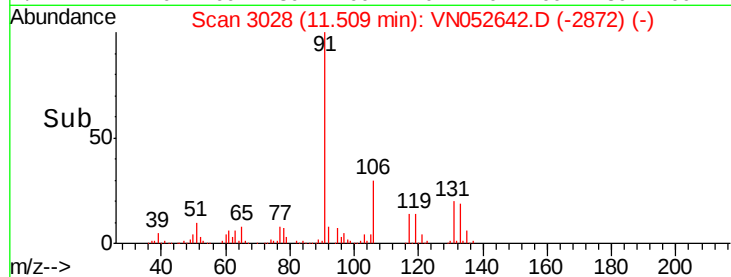
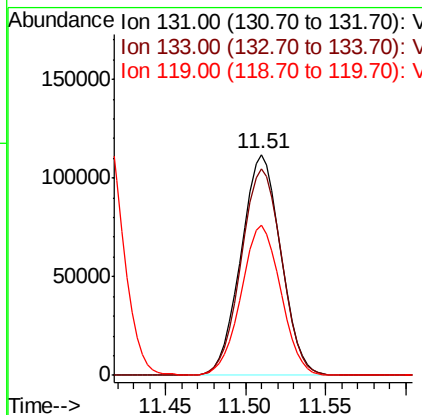
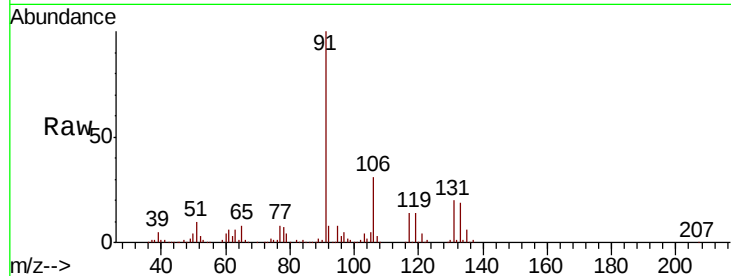
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	190257
Ion Ratio	Lower	Upper	
131	100		
133	95.2	0.0	193.4
119	67.6	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.645 ug/l

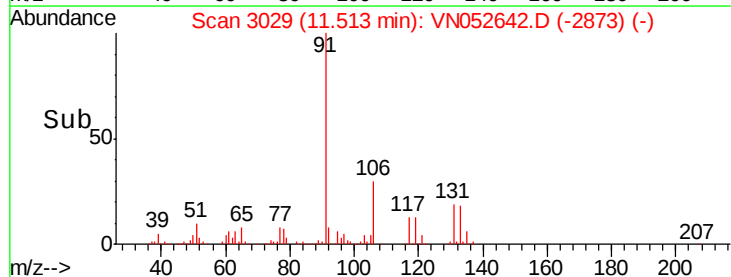
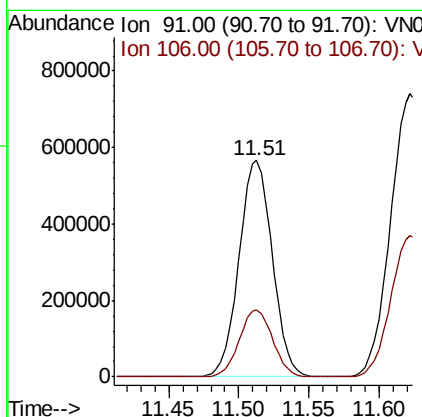
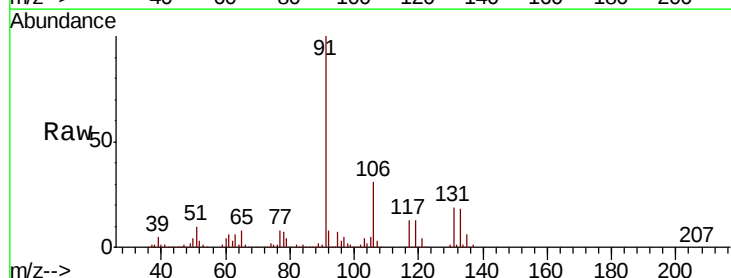
RT: 11.51 min Scan# 3029

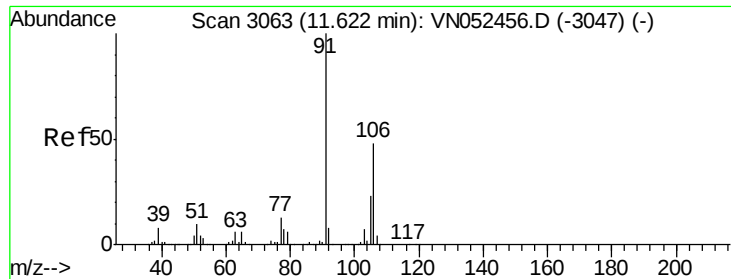
Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tgt Ion:	91	Resp:	939813
Ion Ratio	Lower	Upper	
91	100		
106	30.9	24.3	36.5





#67

m/p-Xylenes

Concen: 40.085 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 714440

Ion Ratio Lower Upper

106 100

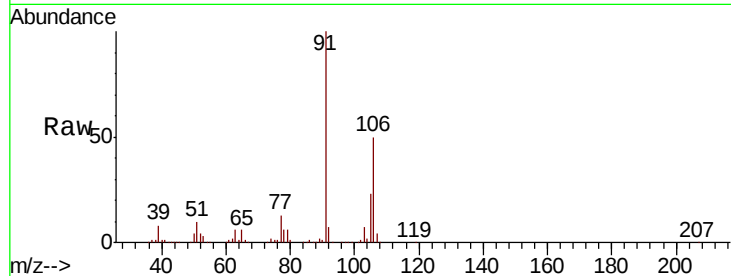
91 201.7 163.9 245.9

Manual Integrations

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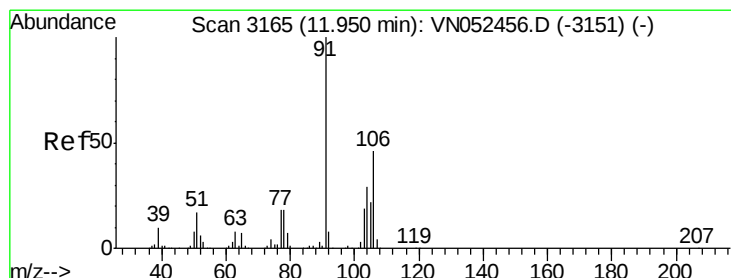
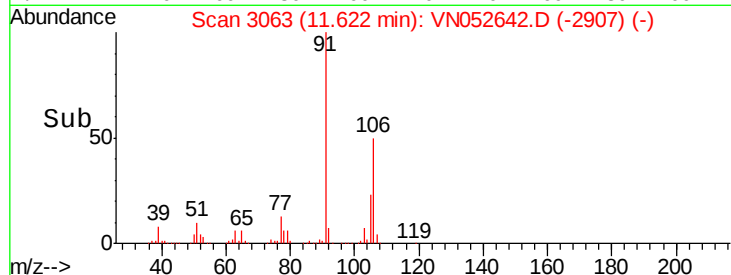
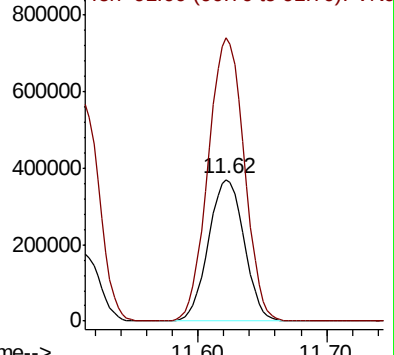
MMDadoda

12/4/2018 2:57:04 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.159 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052642.D

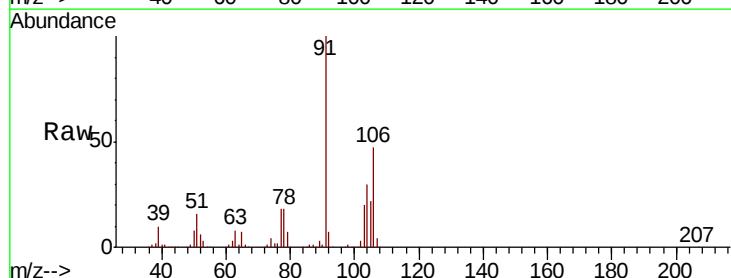
Acq: 3 Dec 2018 20:03

Tgt Ion:106 Resp: 348734

Ion Ratio Lower Upper

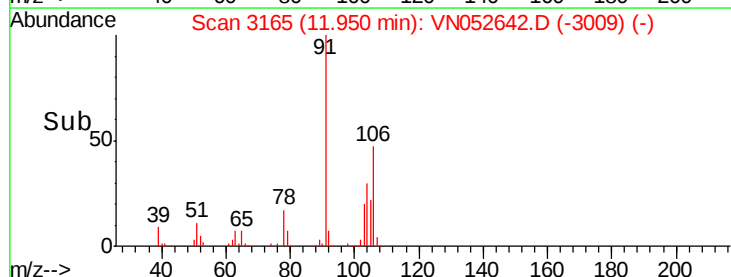
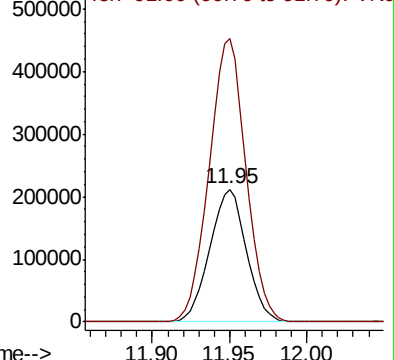
106 100

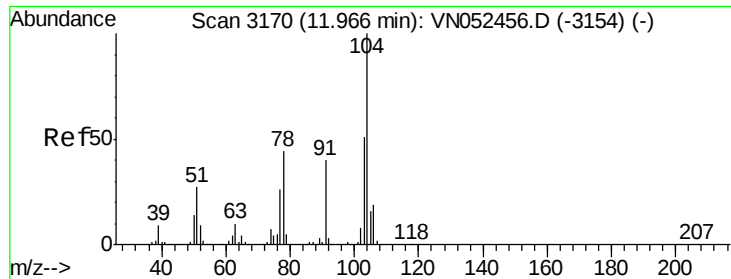
91 214.5 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





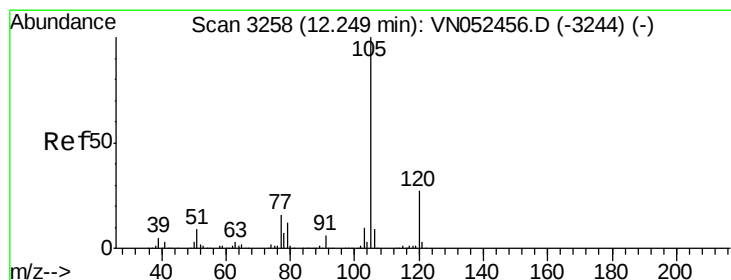
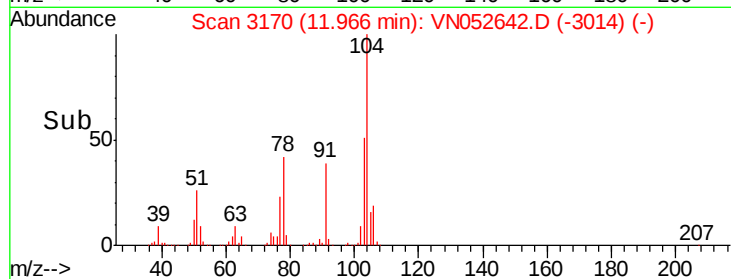
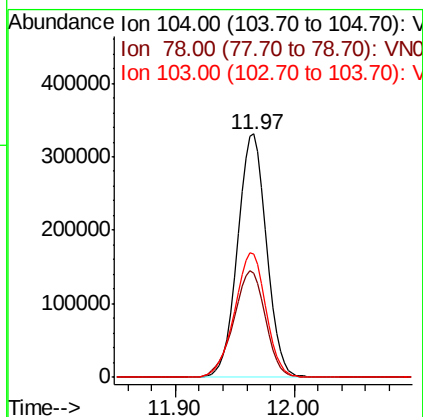
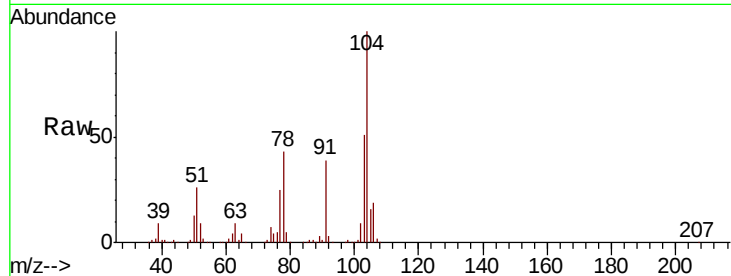
#69
Stvrene
Concen: 19.955 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.3	58.9
103	55.6	44.6	66.8

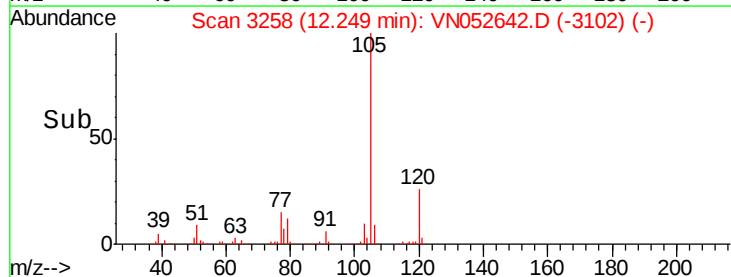
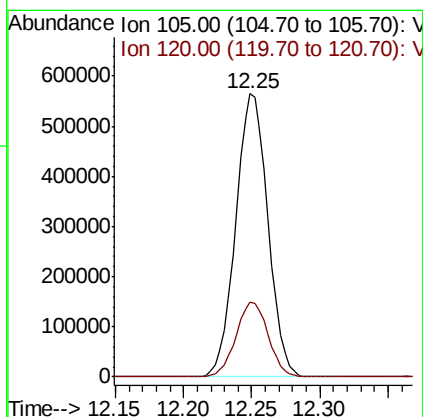
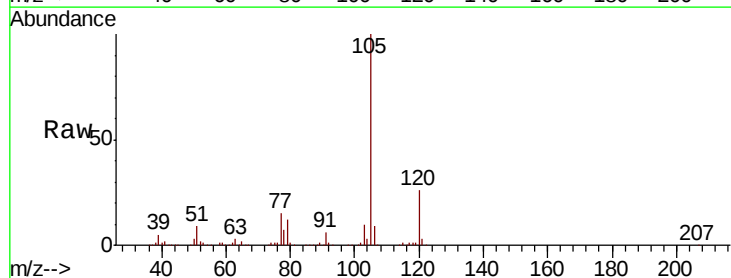
Manual Integrations
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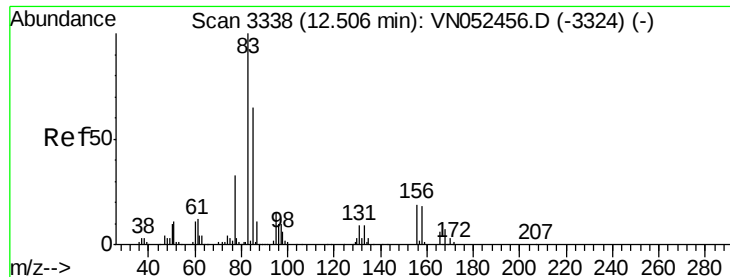
MMDadoda
12/4/2018 2:57:04 PM



#70
Isopropylbenzene
Concen: 20.012 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.6





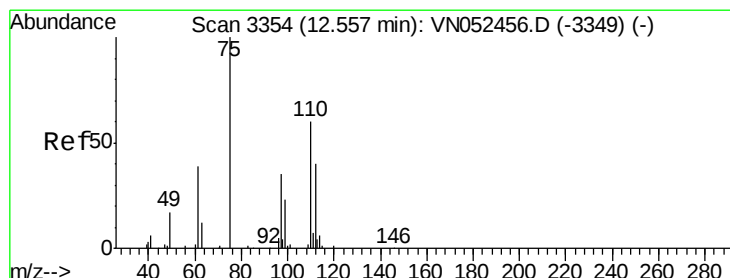
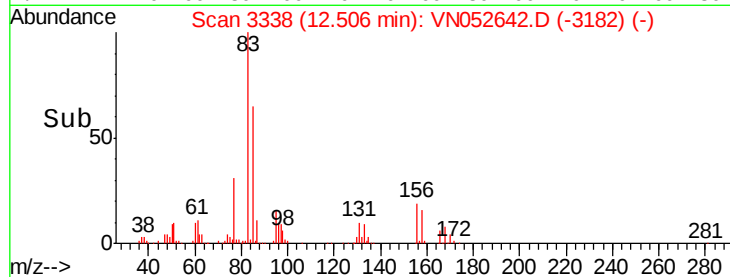
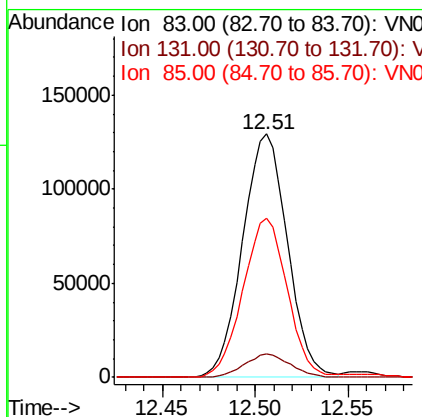
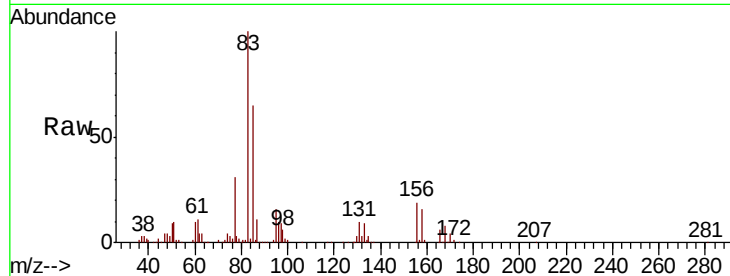
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.706 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.6
85	64.3	32.2	96.6

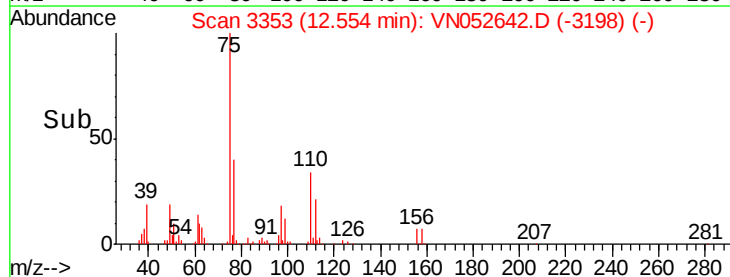
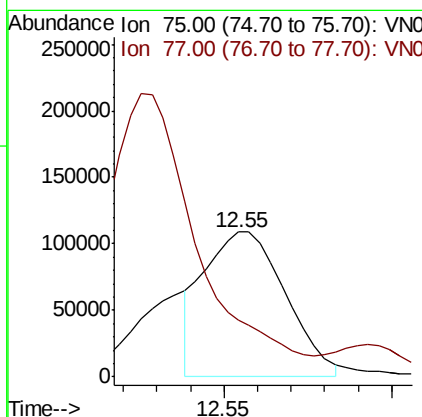
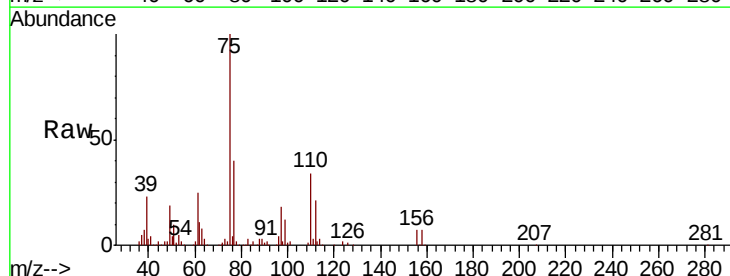
Manual Integrations
 APPROVED

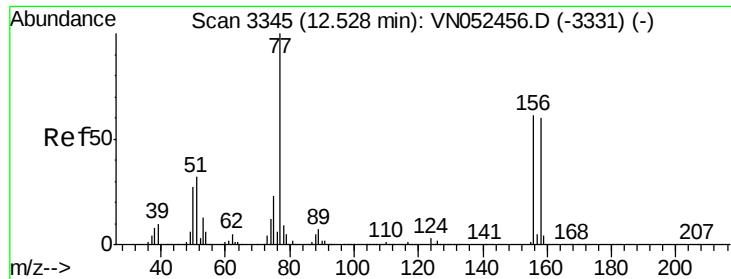
MMDadoda
 12/4/2018 2:57:04 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.422 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	226.6	0.0	514.8





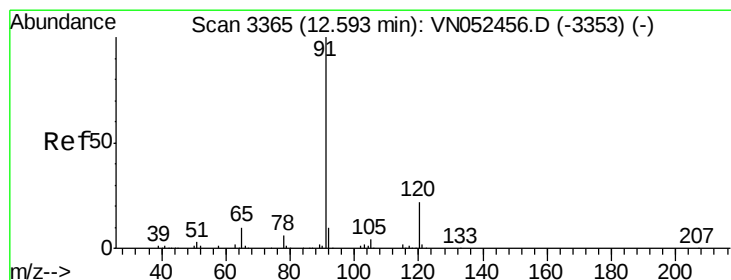
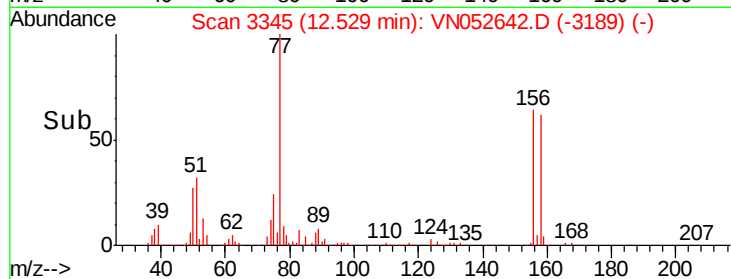
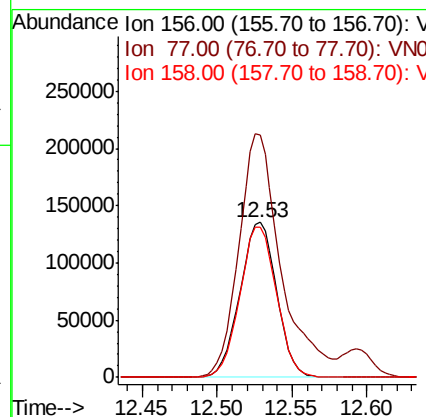
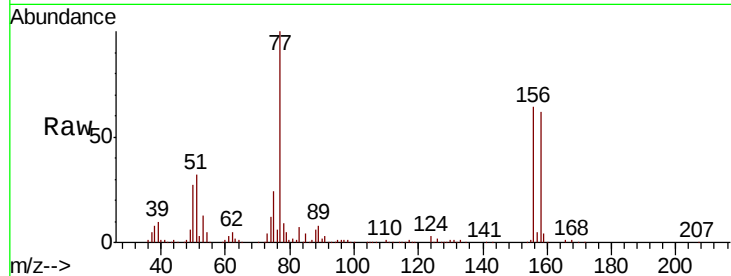
#73
Bromobenzene
Concen: 20.698 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.1	0.0	382.6
158	97.3	0.0	196.8

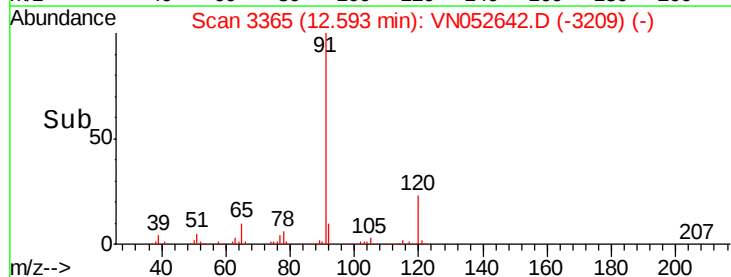
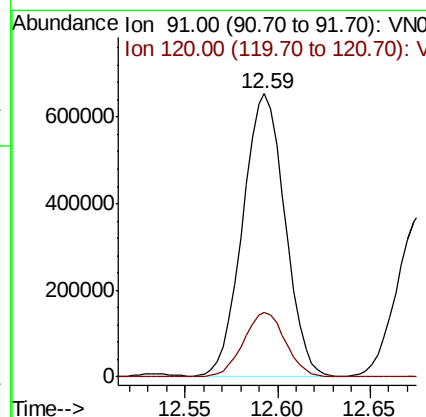
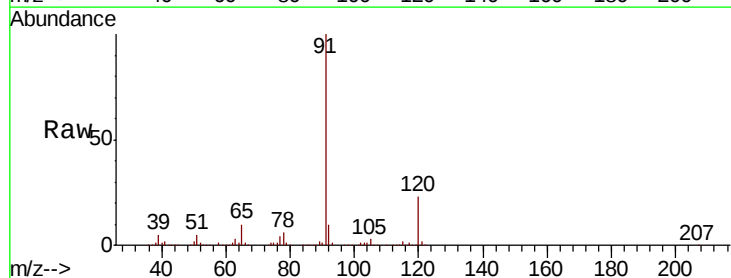
Manual Integrations
APPROVED

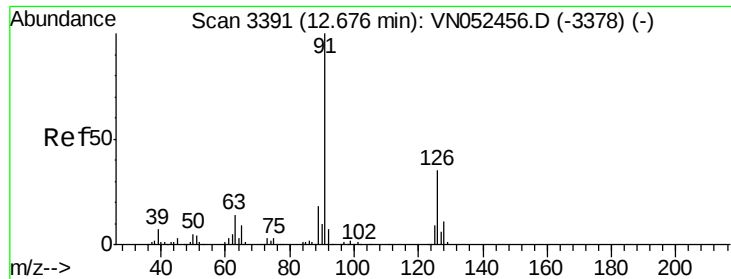
MMDadoda
12/4/2018 2:57:04 PM



#74
n-propylbenzene
Concen: 19.379 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.062 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 624491

Ion Ratio Lower Upper

91 100

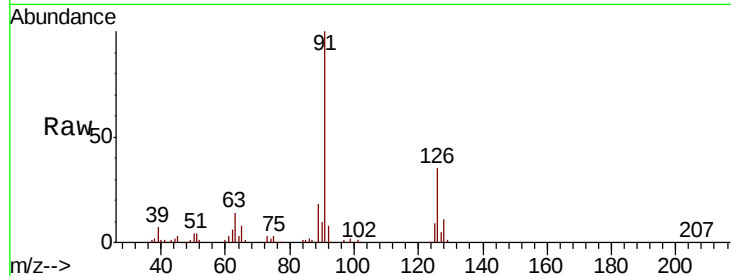
126 34.6 0.0 68.4

Manual Integrations

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MMDadoda

12/4/2018 2:57:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)

600000

400000

200000

0

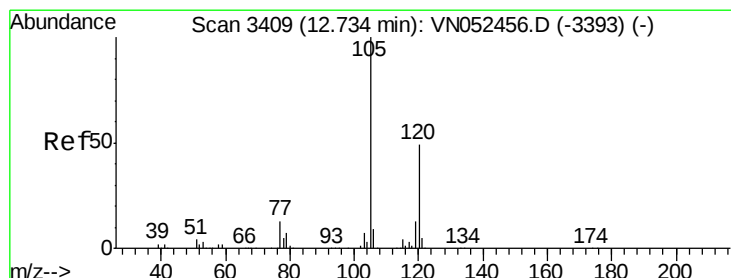
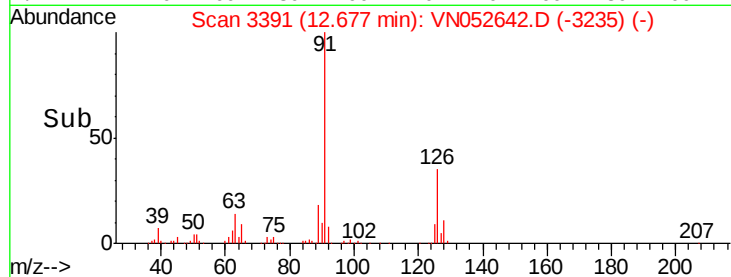
12.68

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.232 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052642.D

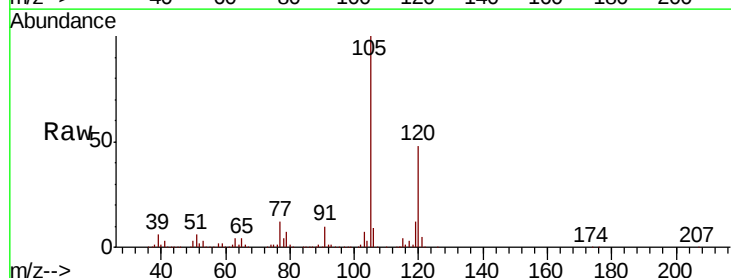
Acq: 3 Dec 2018 20:03

Tgt Ion: 105 Resp: 752157

Ion Ratio Lower Upper

105 100

120 48.1 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)

500000

400000

300000

200000

100000

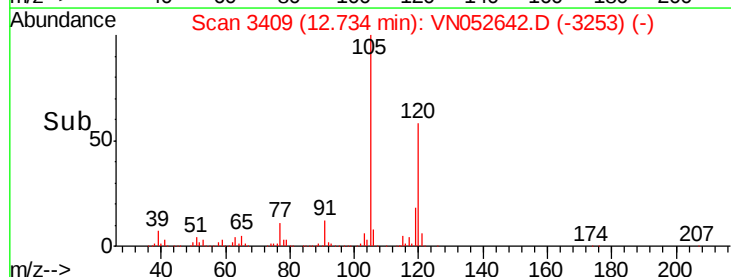
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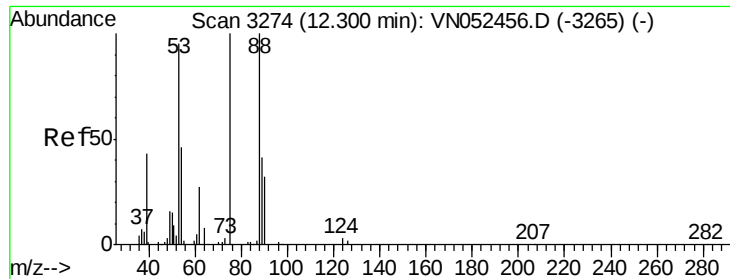
12.73

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.243 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

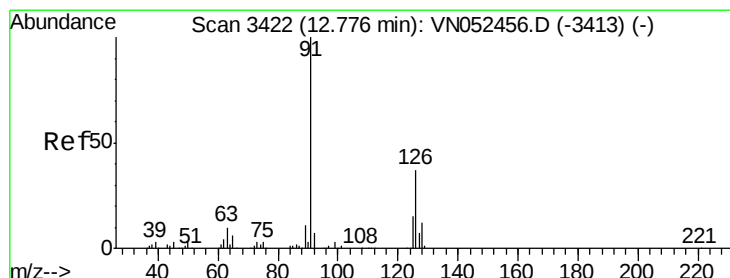
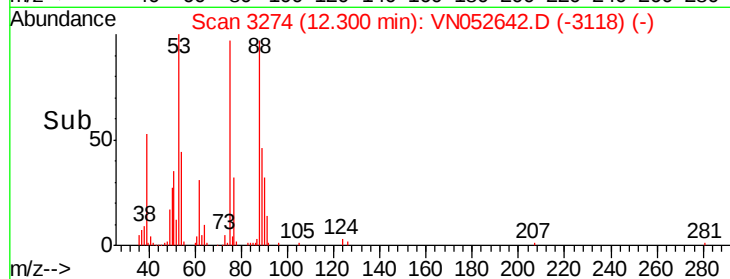
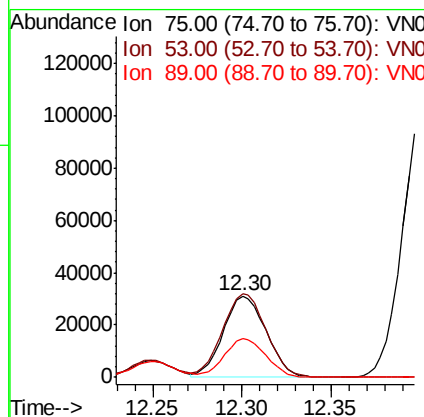
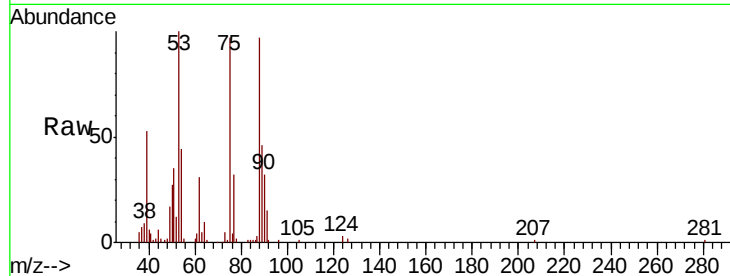
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	52248
Ion	Ratio	Lower	Upper
75	100		
53	102.9	48.5	145.6
89	47.5	21.7	65.1

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#78

4-Chlorotoluene

Concen: 19.631 ug/l

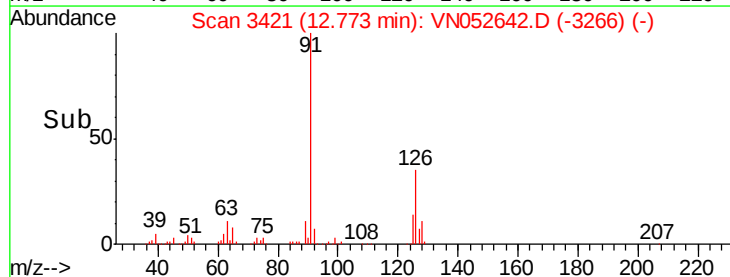
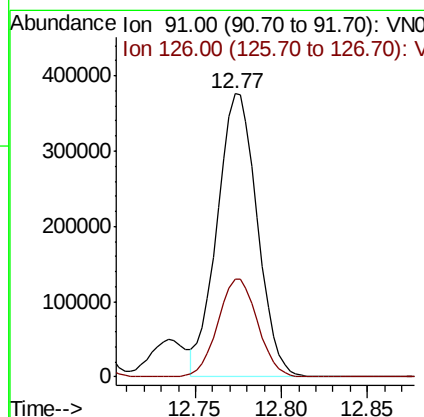
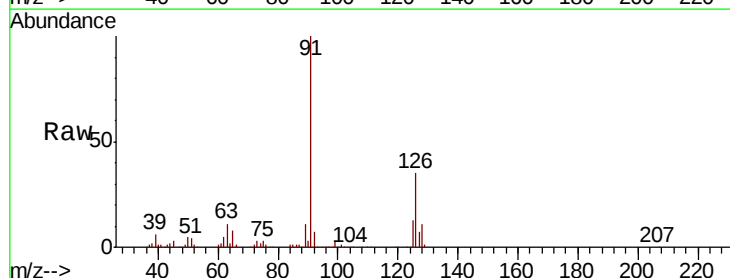
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tgt Ion:	91	Resp:	610251
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.2





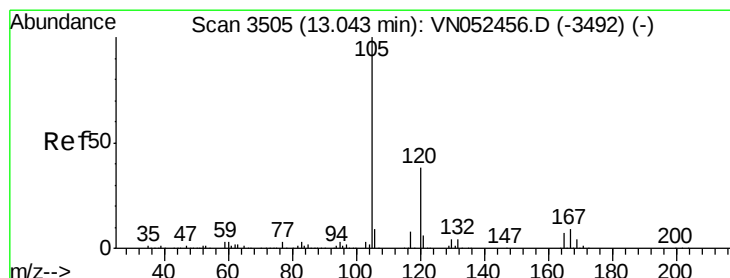
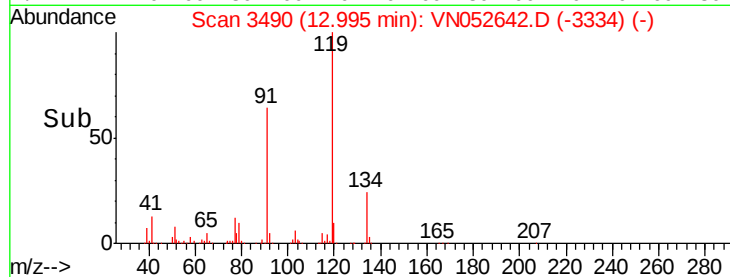
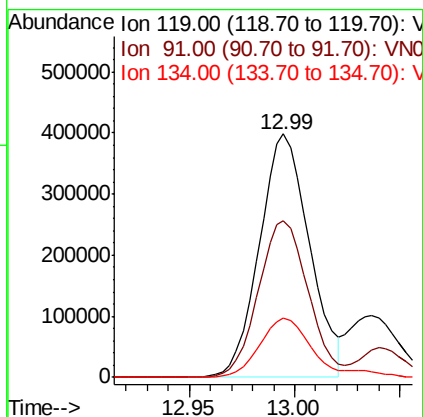
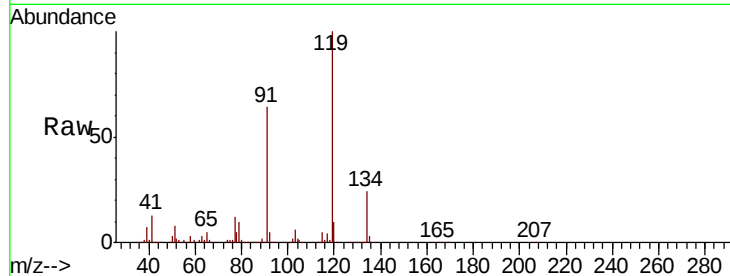
#79
tert-butylbenzene
Concen: 20.325 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	658045		
91	63.9	0.0	129.8	
134	24.3	0.0	52.2	

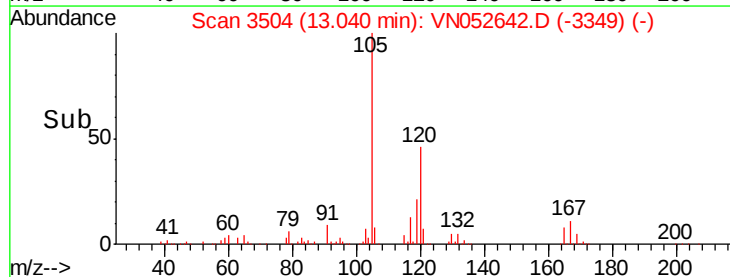
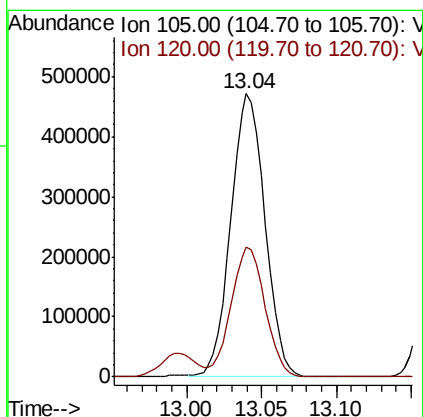
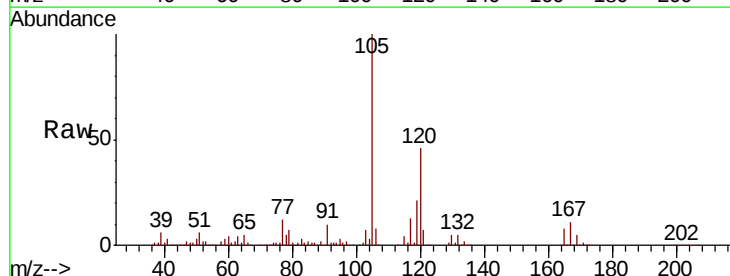
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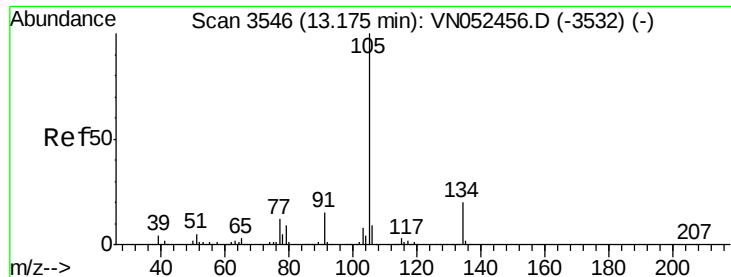
MMDadoda
12/4/2018 2:57:04 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.158 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	749876		
120	45.5	0.0	91.0	





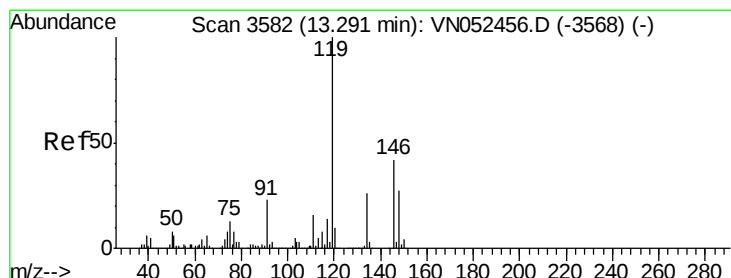
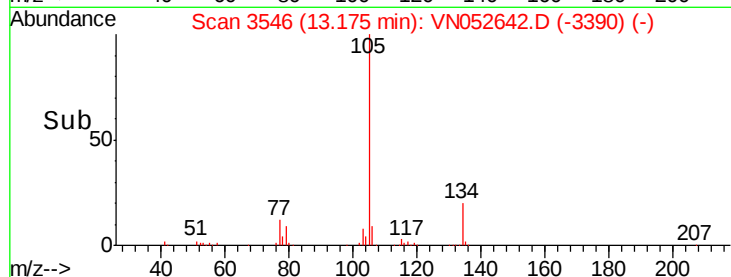
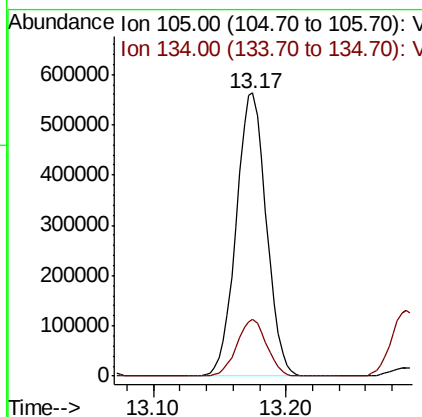
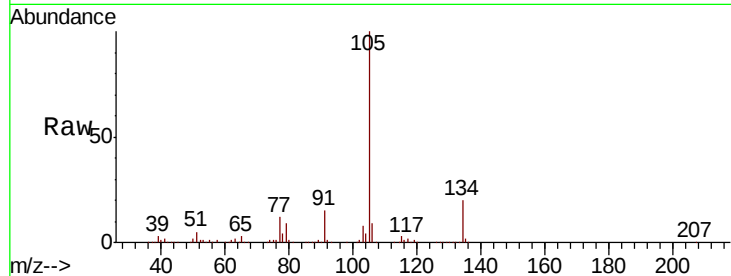
#81
 sec-Butylbenzene
 Concen: 19.650 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	40.4

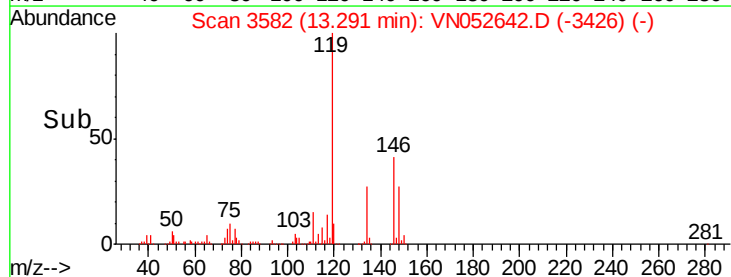
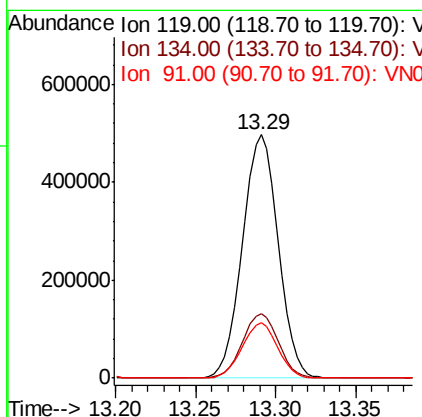
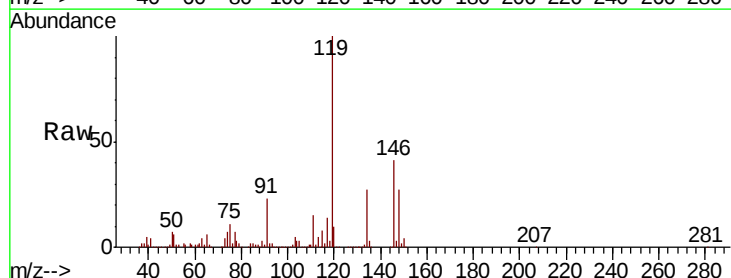
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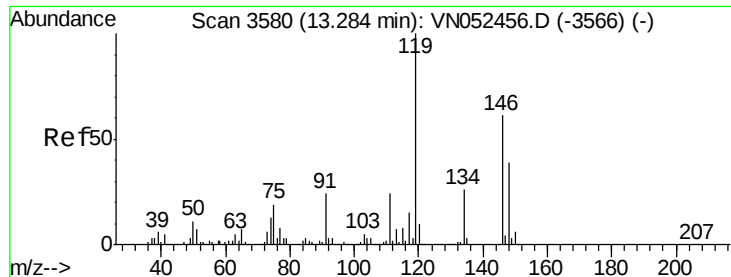
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 12/4/2018 2:57:04 PM



#82
 p-Isopropyltoluene
 Concen: 19.631 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	0.0	52.6
91	22.5	0.0	46.2





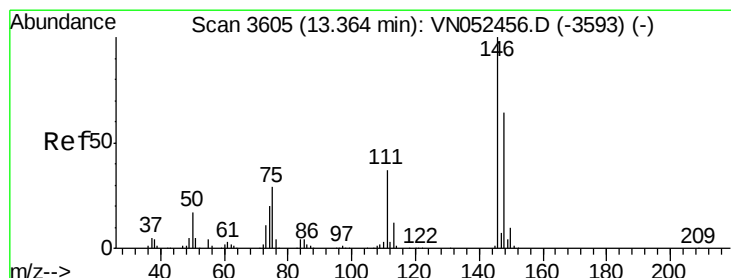
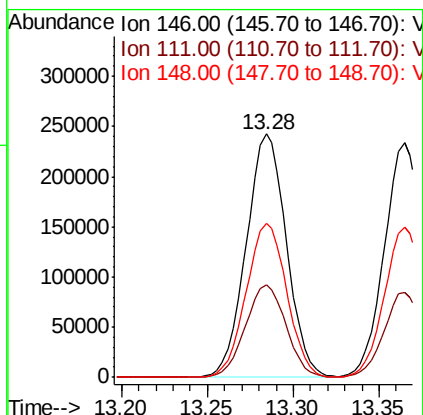
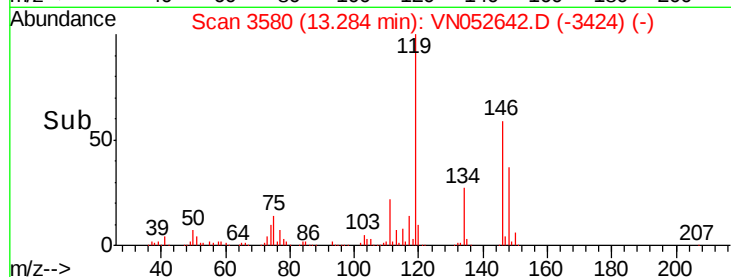
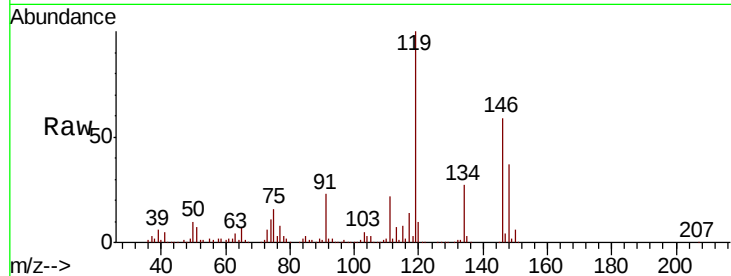
#83
 1,3-Dichlorobenzene
 Concen: 20.122 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	64.1	32.3	96.8

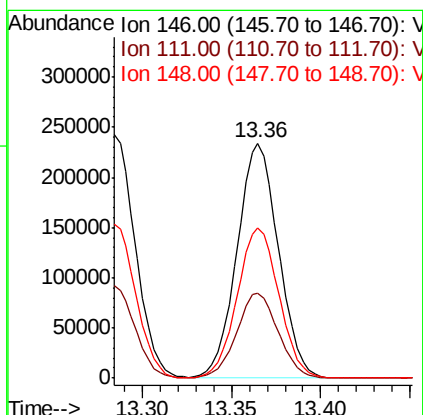
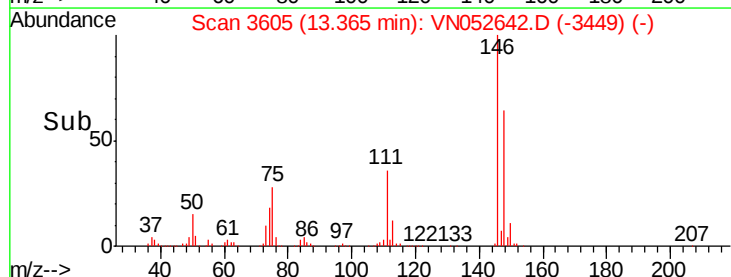
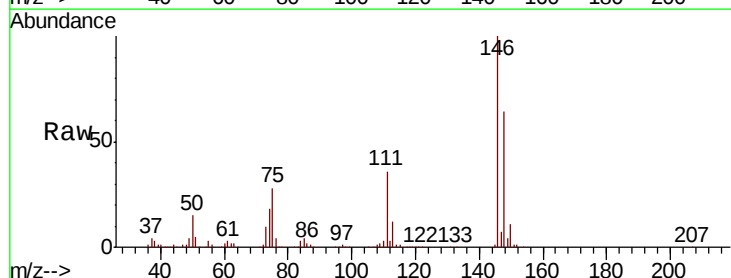
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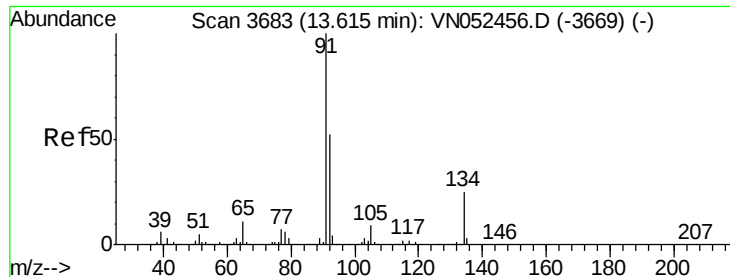
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 12/4/2018 2:57:04 PM



#84
 1,4-Dichlorobenzene
 Concen: 20.046 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.8	56.3
148	64.5	32.5	97.4





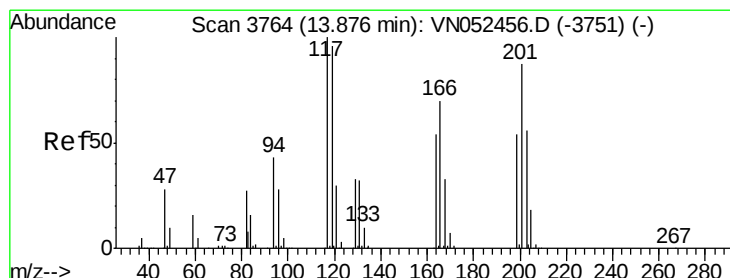
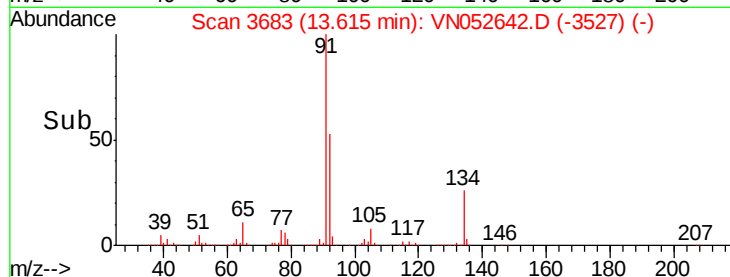
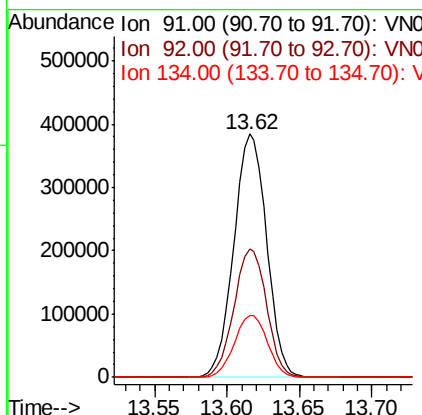
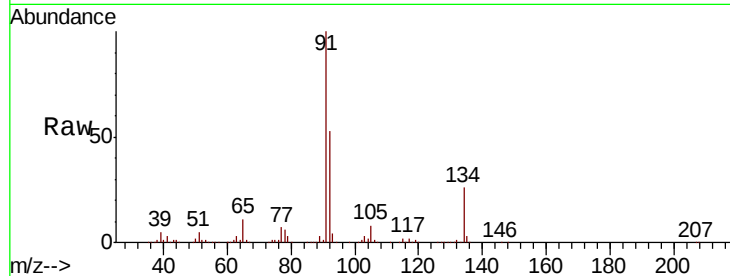
#85
n-Butylbenzene
Concen: 18.289 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	104.2
134	25.9	0.0	50.6

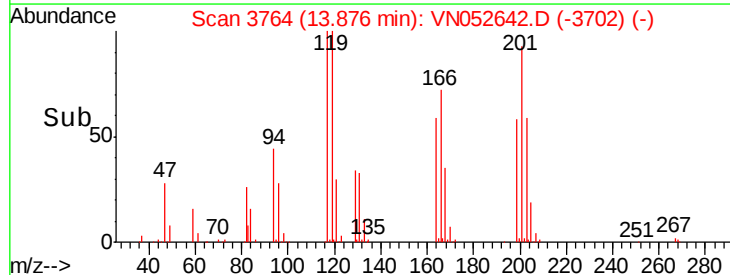
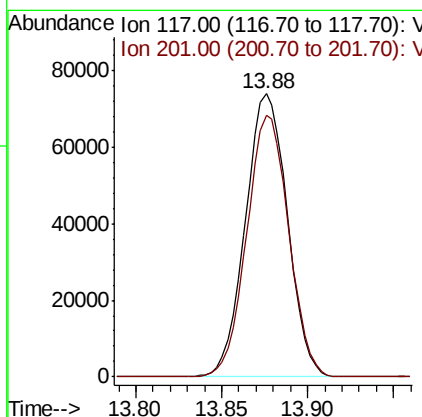
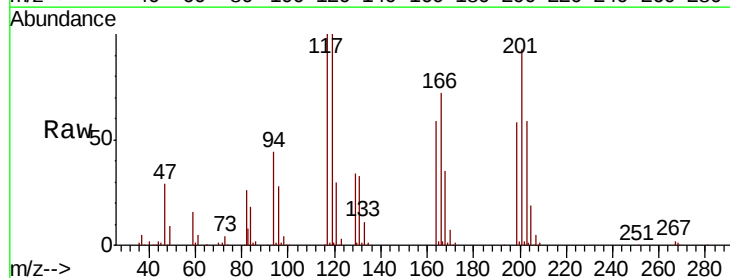
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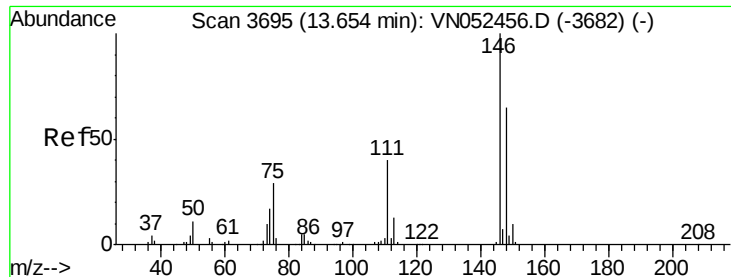
MMDadoda
12/4/2018 2:57:04 PM



#86
Hexachloroethane
Concen: 19.293 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	43.8	131.3





#87

1,2-Dichlorobenzene

Concen: 20.827 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Instrument :

MSVOA_N

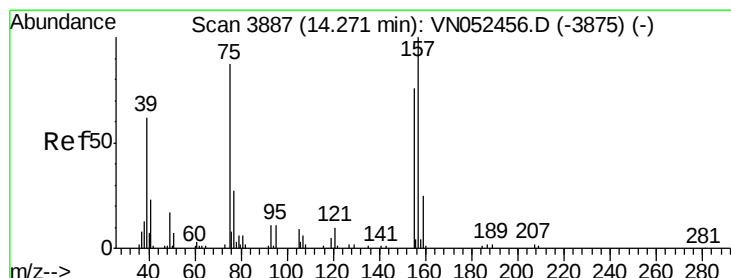
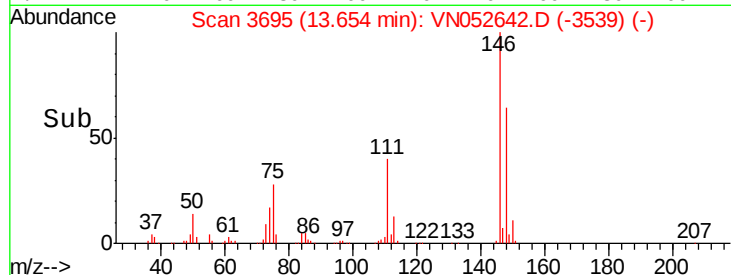
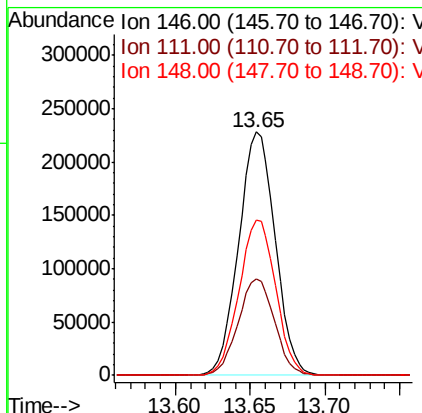
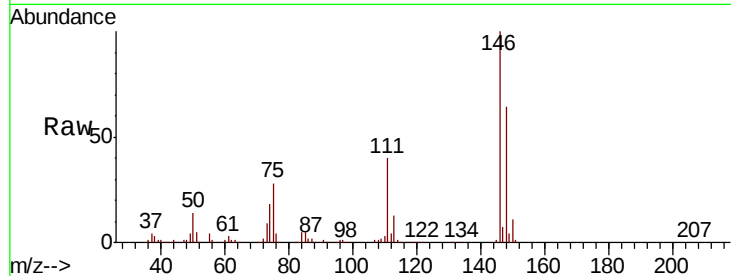
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	388040
Ion Ratio		Lower	Upper
146	100		
111	39.5	20.3	60.8
148	64.0	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 22.307 ug/l

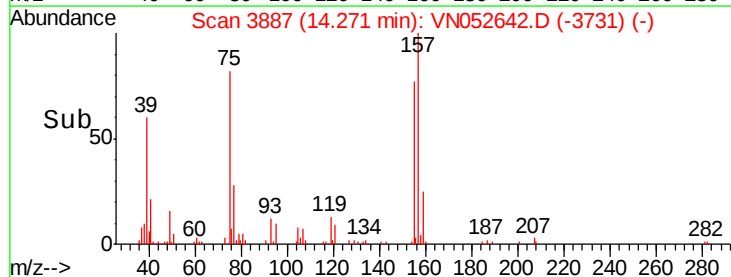
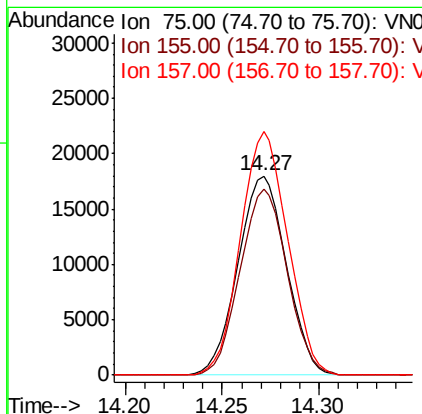
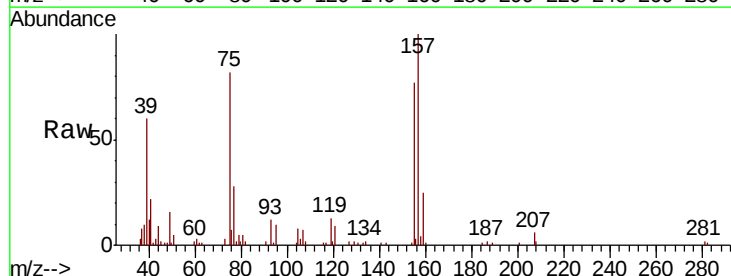
RT: 14.27 min Scan# 3887

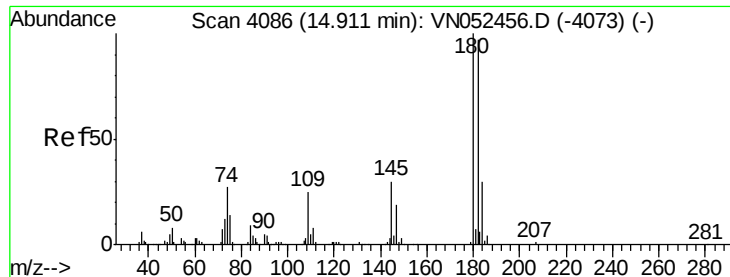
Delta R.T. 0.00 min

Lab File: VN052642.D

Acq: 3 Dec 2018 20:03

Tgt Ion:	75	Resp:	31286
Ion Ratio		Lower	Upper
75	100		
155	91.0	72.2	108.2
157	119.3	94.2	141.2





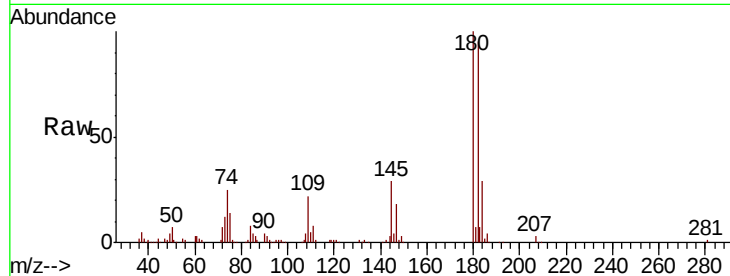
#89
 1,2,4-Trichlorobenzene
 Concen: 19.593 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179846		
182	96.1	76.6	114.8	
145	28.2	23.6	35.4	

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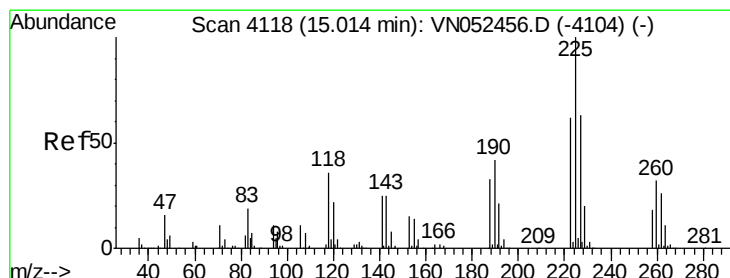
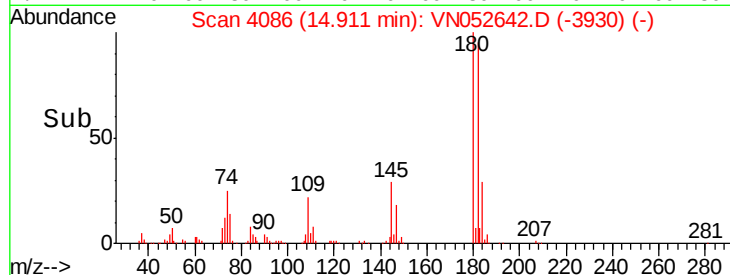
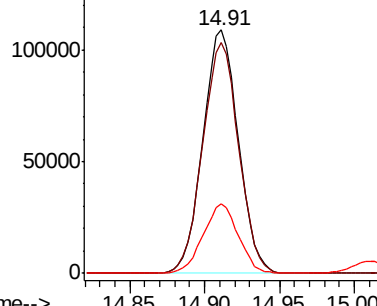


Abundance

Ion 180.00 (179.70 to 180.70): V

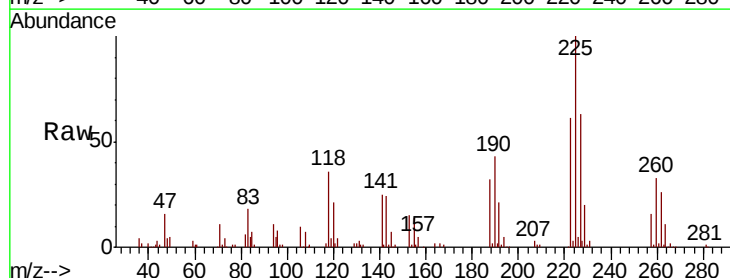
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 19.740 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052642.D
 Acq: 3 Dec 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118867		
223	62.3	0.0	125.6	
227	64.7	0.0	127.8	

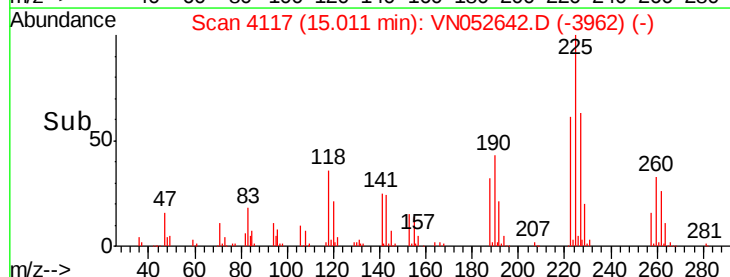
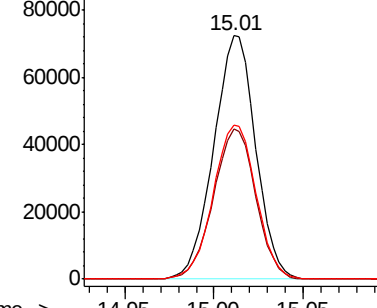


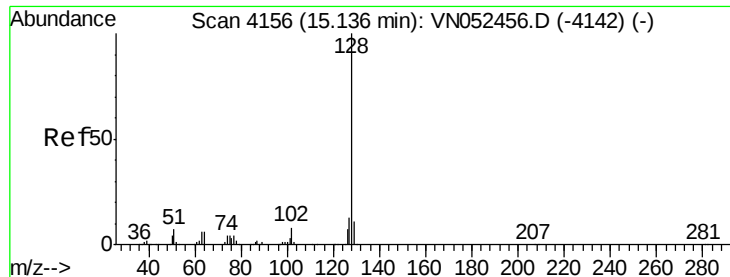
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





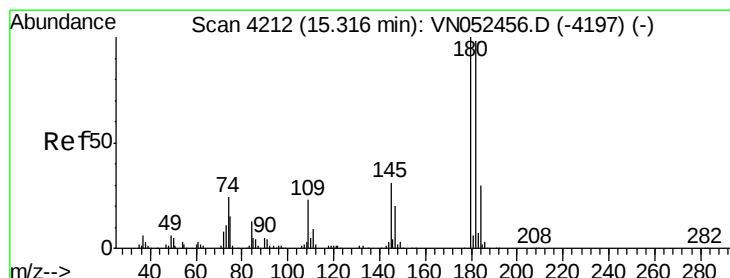
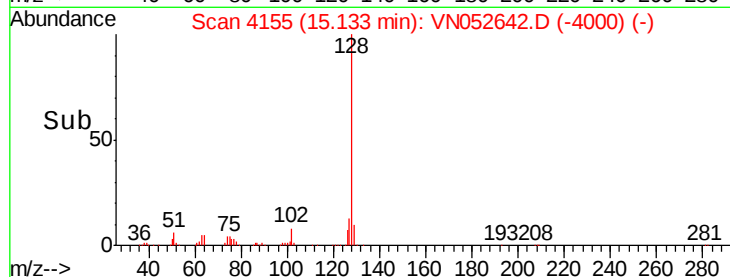
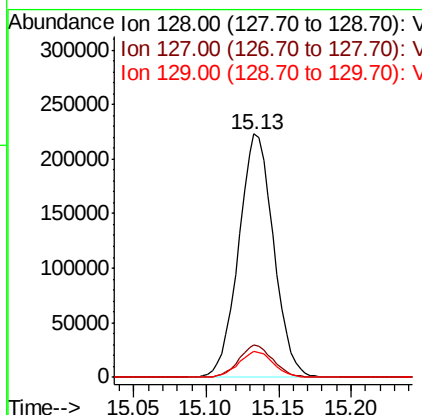
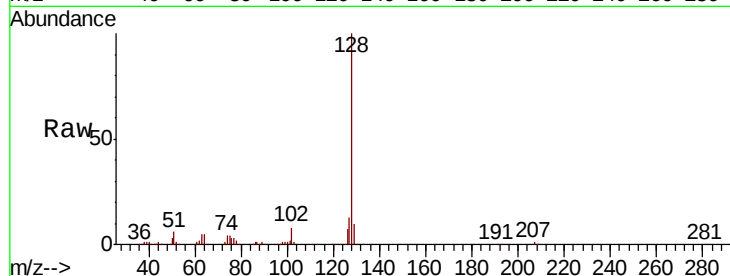
#91
Naphthalene
Concen: 20.162 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.0		9.9	14.9	
129	10.5		8.5	12.7	

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#92
1,2,3-Trichlorobenzene
Concen: 20.549 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052642.D
Acq: 3 Dec 2018 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.7		0.0	196.2	
145	29.9		0.0	62.2	

