

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052817.D
 Acq On : 12 Dec 2018 10:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:29:15 PM

Quant Time: Dec 13 03:52:36 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	150757	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	888972	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	784794	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	302181	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	12.40	95	364198	30.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.17%
63) Toluene-d8	10.09	98	1061799	29.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	147031	17.124	ug/l 99
3) Chloromethane	2.06	50	185866	16.323	ug/l 99
4) Vinyl Chloride	2.19	62	194014	16.881	ug/l 96
5) Bromomethane	2.58	94	125558	19.160	ug/l 100
6) Chloroethane	2.71	64	119979	17.555	ug/l 99
7) Trichlorofluoromethane	3.03	101	259149	18.271	ug/l 99
8) Diethyl Ether	3.41	74	96052	18.340	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	168153	18.701	ug/l 97
10) 1,1-Dichloroethene	3.74	96	154932	18.326	ug/l 96
11) Methyl Iodide	3.96	142	196753	16.762	ug/l 99
12) Methyl Acetate	4.33	43	139105	19.365	ug/l 97
13) Acrolein	3.61	56	55772	66.098	ug/l 98
14) Acrylonitrile	4.99	53	288874	94.384	ug/l 98
15) Acetone	3.82	58	78298	98.782	ug/l 99
16) Carbon Disulfide	4.06	76	441655	16.501	ug/l 100
17) Allyl chloride	4.33	41	236311	16.028	ug/l 98
18) Methylene Chloride	4.55	84	180598	18.450	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	167001	18.356	ug/l 93
20) Diisopropyl ether	5.95	45	557920	18.007	ug/l 97
21) 1,1-Dichloroethane	5.85	63	322215	18.246	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	193023	18.512	ug/l 98
23) tert-Butyl Alcohol	4.77	59	50554	111.035	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	431088	19.437	ug/l 97
25) Chloroform	7.37	83	315173	18.500	ug/l 100
26) Cyclohexane	7.65	56	289932	17.408	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	242682	17.877	ug/l 99
30) 2-Butanone	6.83	43	343794	94.642	ug/l 100
31) 2,2-Dichloropropane	6.83	77	237471	19.001	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	257722	18.245	ug/l 97
33) Carbon Tetrachloride	7.78	117	226129	18.296	ug/l 100
34) Benzene	8.04	78	724631	17.754	ug/l 99
35) Methacrylonitrile	7.17	41	76141	16.894	ug/l 98
36) 1,2-Dichloroethane	8.13	62	222220	17.967	ug/l 99
37) Trichloroethene	8.84	130	196002	18.938	ug/l 95
38) Methylcyclohexane	9.08	83	299548	17.825	ug/l 97
39) 1,2-Dichloropropane	9.12	63	194940	17.818	ug/l 97
40) Dibromomethane	9.21	93	109503	18.521	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	234544	17.955	ug/l	98
42) Vinyl Acetate	5.90	43	1697831	86.383	ug/l	99
43) Ethyl Acetate	6.93	43	143180	18.536	ug/l #	69
44) Isopropyl Acetate	8.17	43	268287m	19.804	ug/l	
45) 1,4-Dioxane	9.20	88	30615	413.099	ug/l	94
46) Methyl methacrylate	9.20	41	133196	18.937	ug/l	97
47) n-amyl Acetate	12.07	43	224768	20.011	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	233387	18.427	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	277588	17.989	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	158078	18.862	ug/l	98
51) Ethyl methacrylate	10.43	69	203579	19.341	ug/l	95
52) 1,3-Dichloropropane	10.71	76	274598	18.408	ug/l	99
53) Dibromochloromethane	10.90	129	175599	19.031	ug/l	100
54) 1,2-Dibromoethane	11.01	107	157297	19.207	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	642005	104.200	ug/l	98
56) Bromoform	12.13	173	114580	18.998	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	734352	96.519	ug/l	99
59) 2-Hexanone	10.75	43	516649	99.406	ug/l	99
61) Tetrachloroethene	10.63	164	207952	21.514	ug/l	97
62) Toluene	10.16	91	782788	18.094	ug/l	100
64) Chlorobenzene	11.43	112	492861	18.664	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	175090	19.102	ug/l	99
66) Ethyl Benzene	11.51	91	850000	18.229	ug/l	99
67) m/p-Xylenes	11.62	106	647365	37.266	ug/l	99
68) o-Xylene	11.95	106	317082	18.806	ug/l	98
69) Styrene	11.96	104	507981	18.666	ug/l	100
70) Isopropylbenzene	12.25	105	839004	18.702	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	184079	18.863	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	169445m	20.227	ug/l	
73) Bromobenzene	12.53	156	212601	19.595	ug/l	94
74) n-propylbenzene	12.59	91	968490	18.529	ug/l	99
75) 2-Chlorotoluene	12.68	91	572144	18.858	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	684873	18.901	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	48814	18.446	ug/l	98
78) 4-Chlorotoluene	12.77	91	569316	18.790	ug/l	99
79) tert-butylbenzene	12.99	119	608973	19.298	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	688603	18.992	ug/l	99
81) sec-Butylbenzene	13.17	105	835011	18.998	ug/l	100
82) p-Isopropyltoluene	13.29	119	717586	19.173	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	377592	19.787	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	369430	20.038	ug/l	98
85) n-Butylbenzene	13.62	91	591164	18.388	ug/l	99
86) Hexachloroethane	13.88	117	114726	18.091	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	361627	19.914	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27457	20.086	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	204154	22.819	ug/l	99
90) Hexachlorobutadiene	15.01	225	126842	21.612	ug/l	99
91) Naphthalene	15.13	128	420314	23.264	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	190125	23.060	ug/l	98

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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

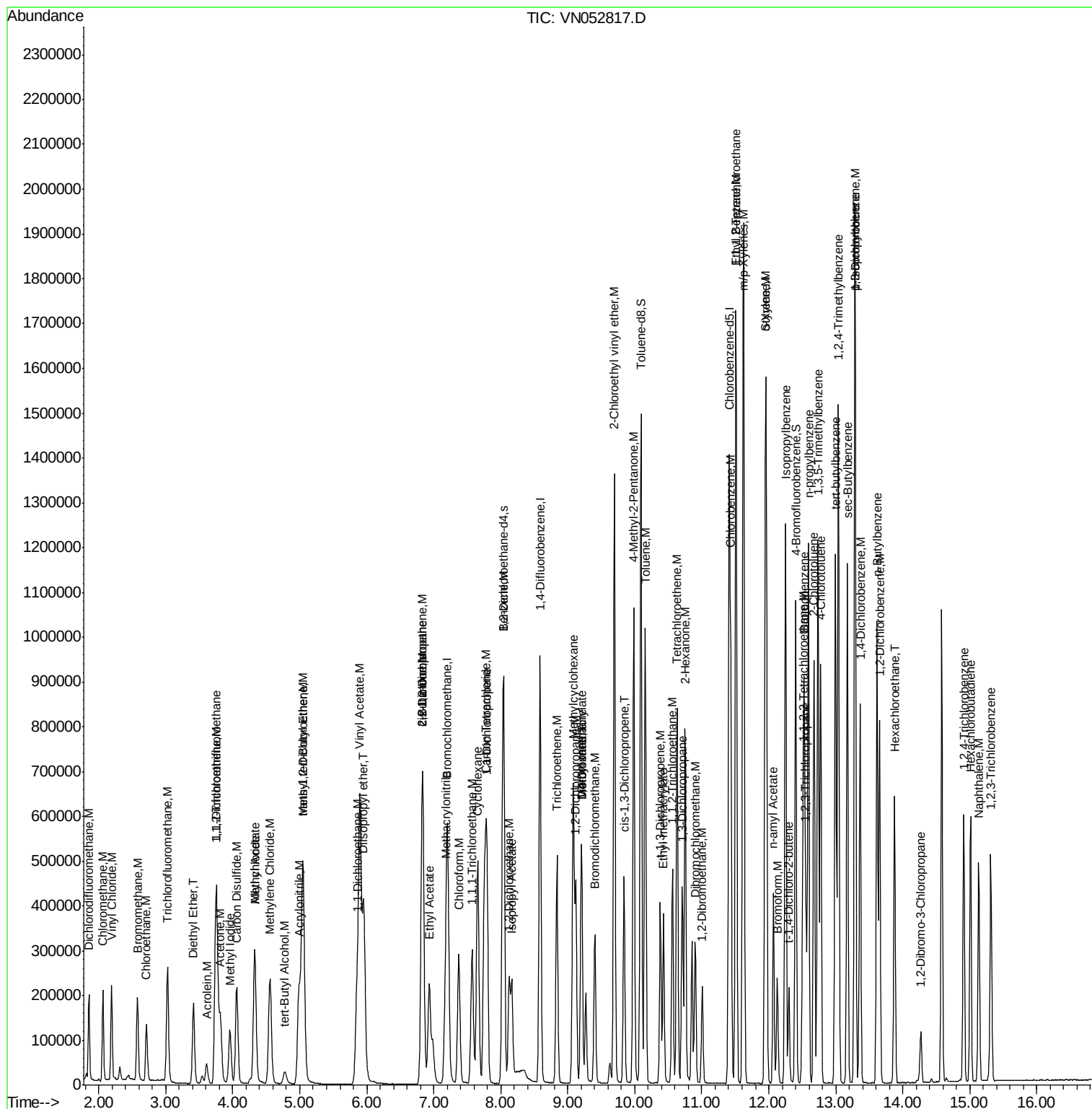
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Data File : VN052817.D
Acq On : 12 Dec 2018 10:35
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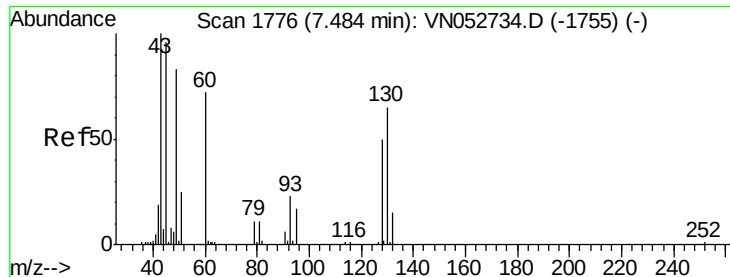
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

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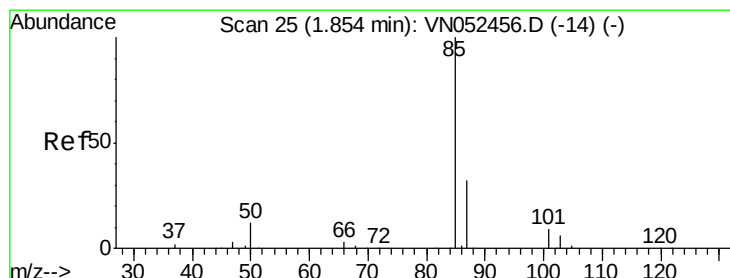
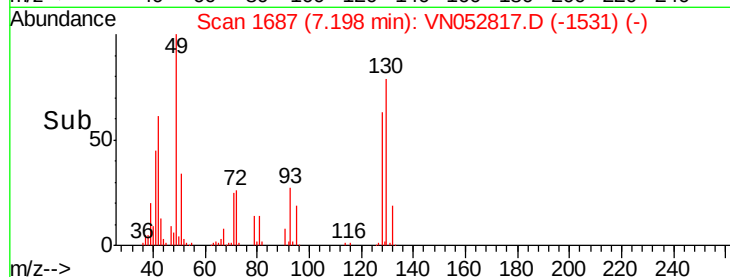
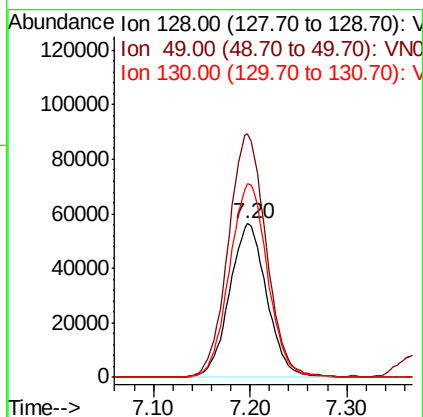
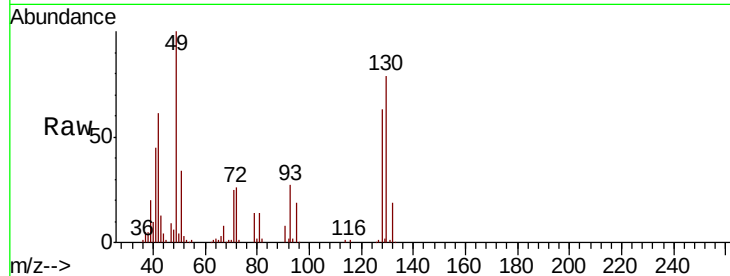
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	161.6	0.0	431.8
130	129.1	0.0	317.0

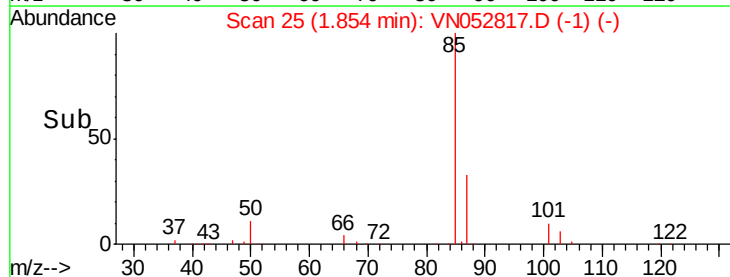
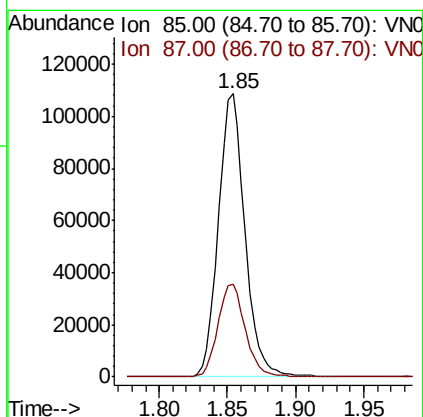
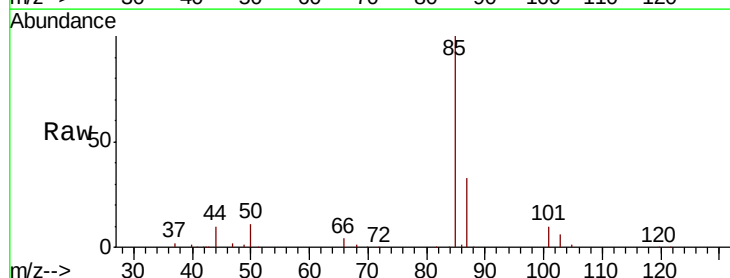
Manual Integrations
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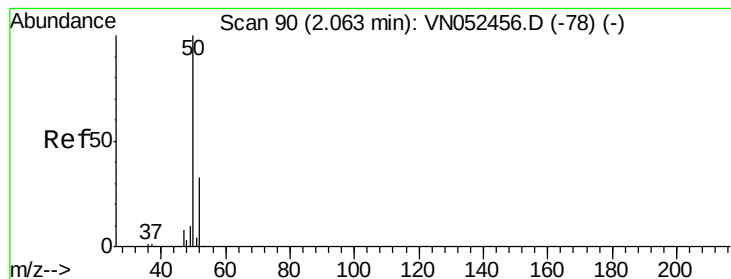
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#2
Dichlorodifluoromethane
Concen: 17.124 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.1	48.3





#3

Chloromethane

Concen: 16.323 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 185866

Ion Ratio Lower Upper

50 100

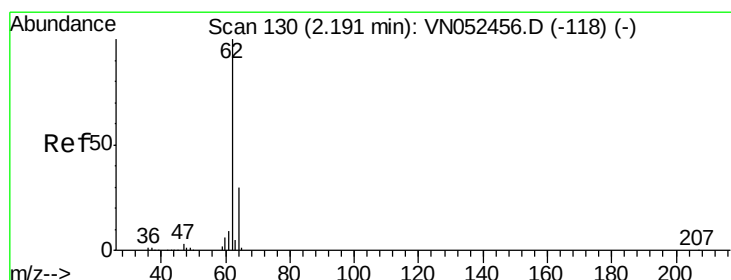
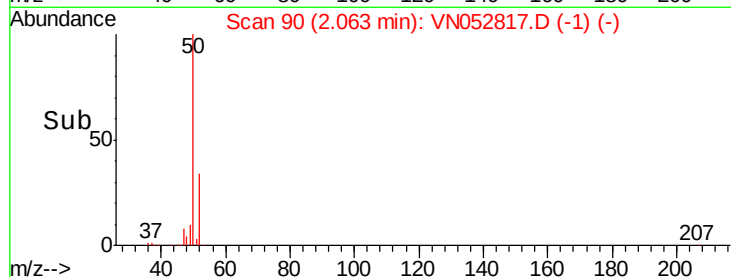
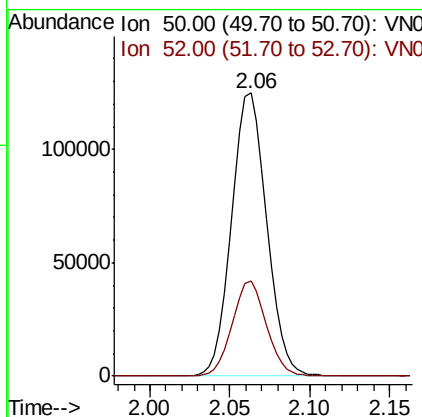
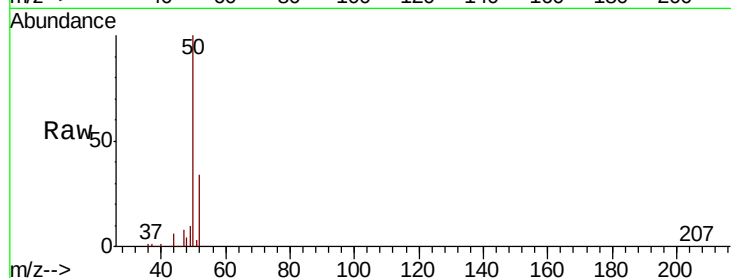
52 33.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.881 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052817.D

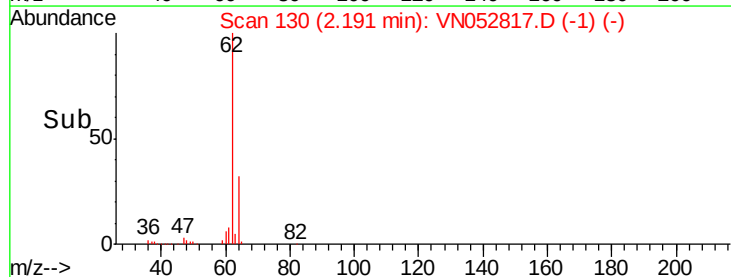
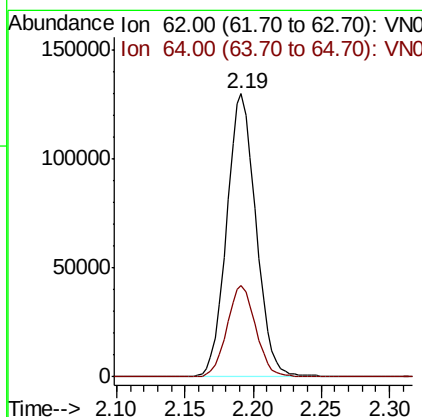
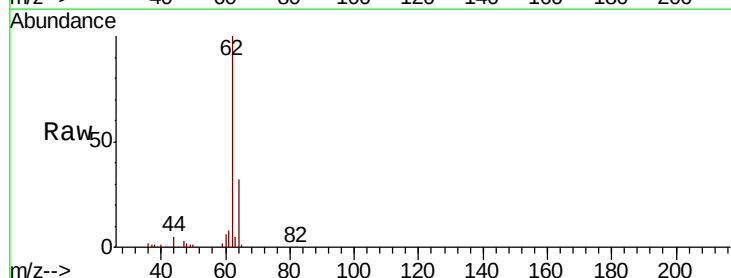
Acq: 12 Dec 2018 10:35

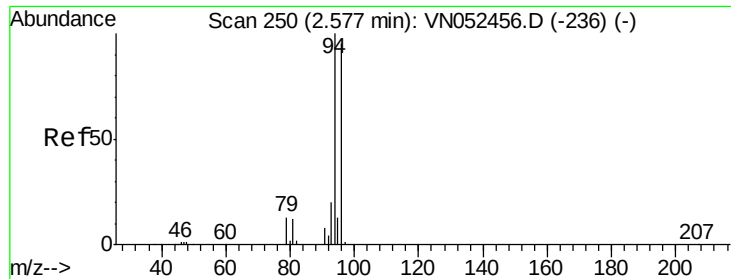
Tgt Ion: 62 Resp: 194014

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4





#5

Bromomethane

Concen: 19.160 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 125558

Ion Ratio Lower Upper

94 100

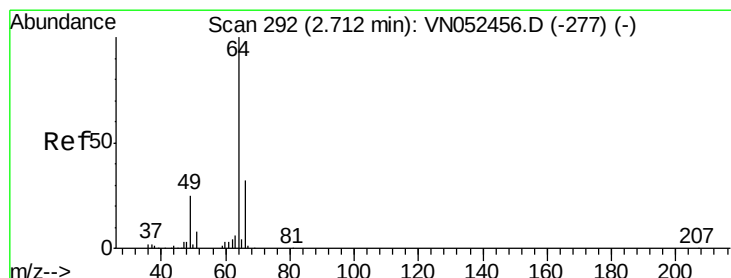
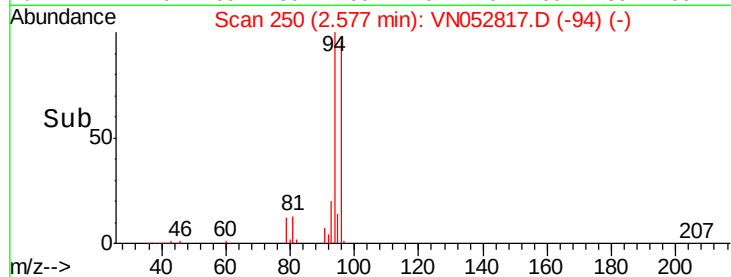
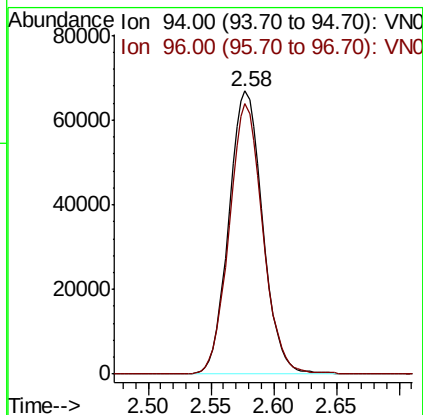
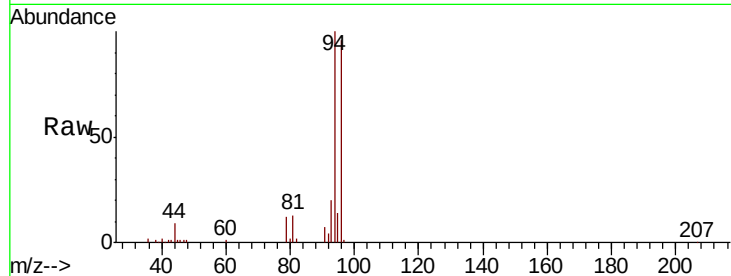
96 95.5 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 17.555 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052817.D

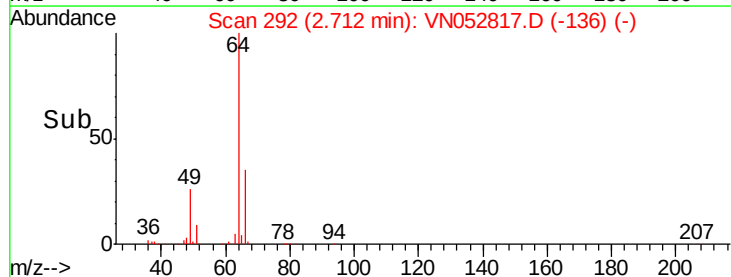
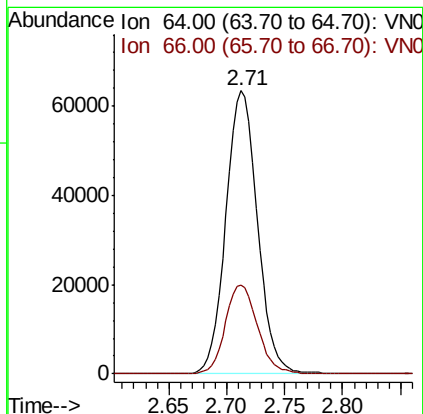
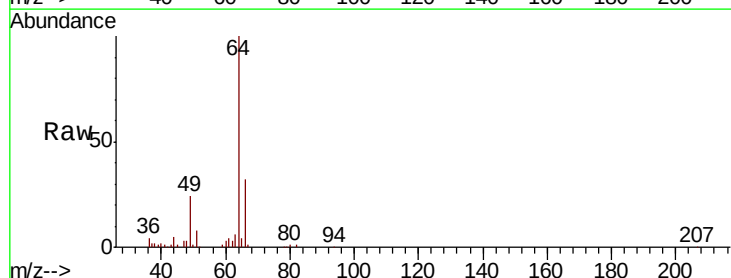
Acq: 12 Dec 2018 10:35

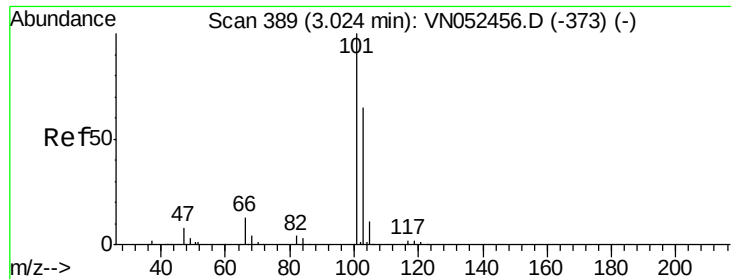
Tgt Ion: 64 Resp: 119979

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

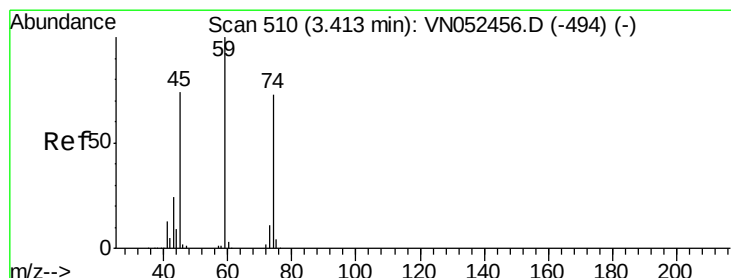
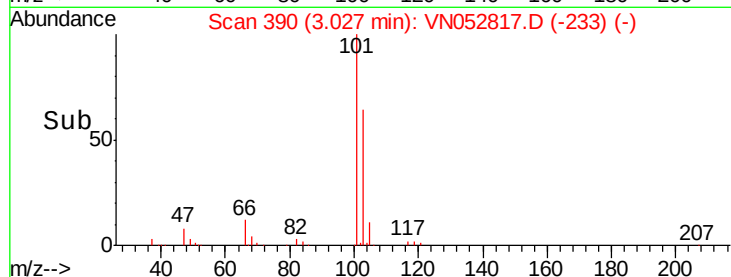
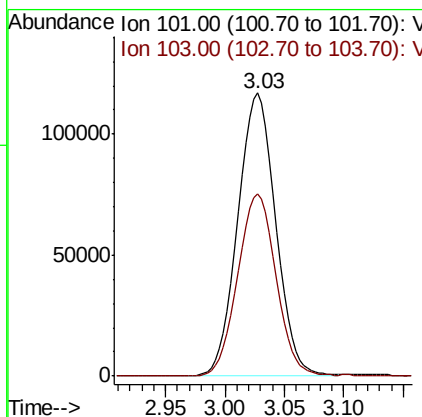
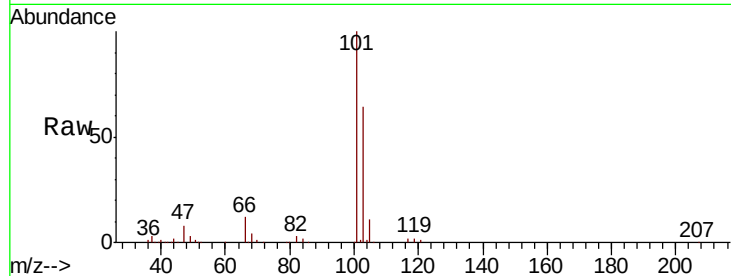
Trichlorofluoromethane
 Concen: 18.271 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

Manual Integrations
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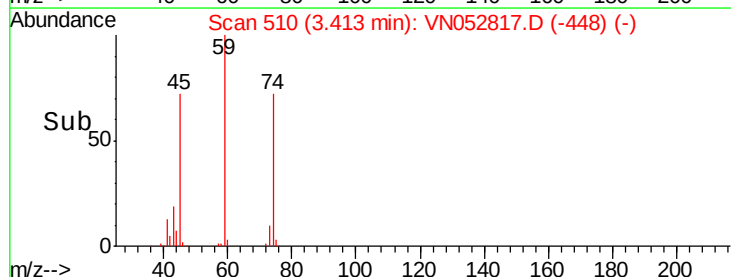
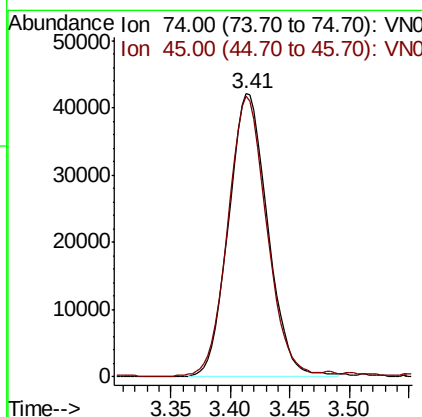
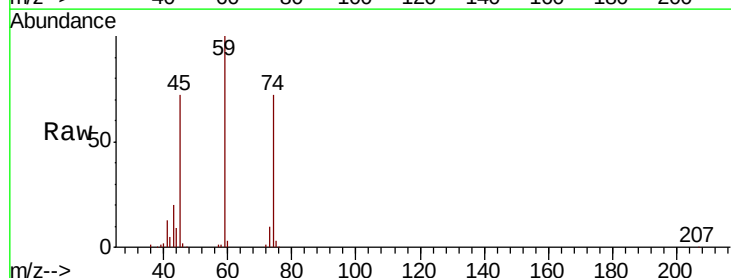
MMDadoda
 12/13/2018 1:29:15 PM

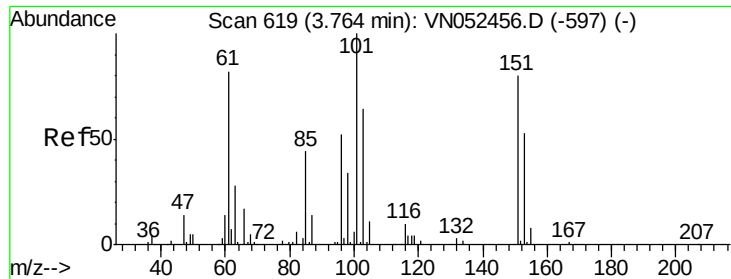


#8

Diethyl Ether
 Concen: 18.340 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.701 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

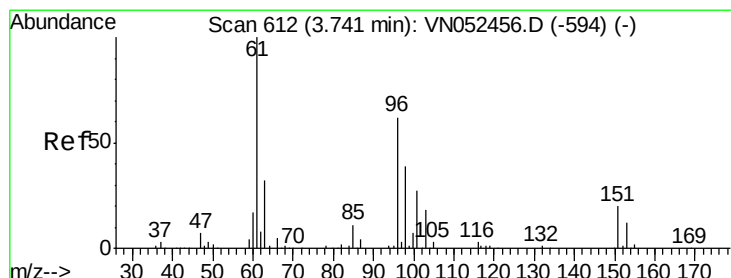
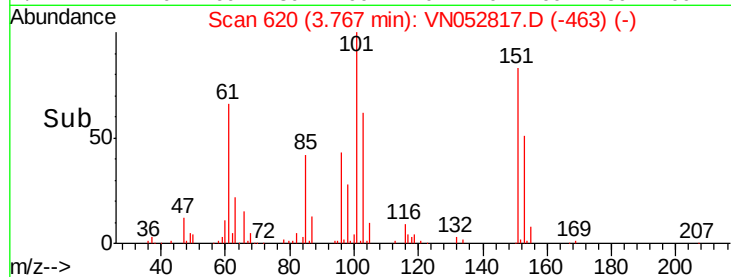
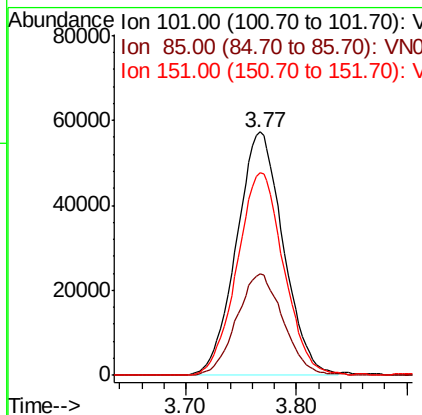
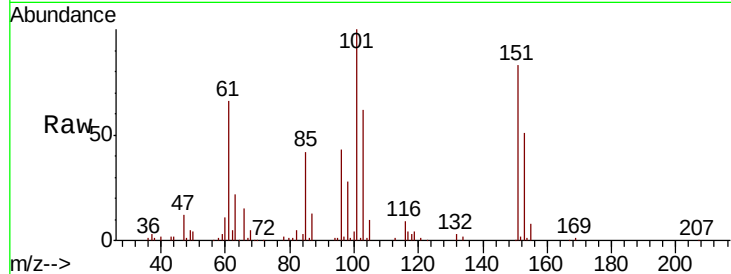
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	168153
Ion Ratio	Lower	Upper	
101	100		
85	41.5	0.0	82.6
151	83.2	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 18.326 ug/l

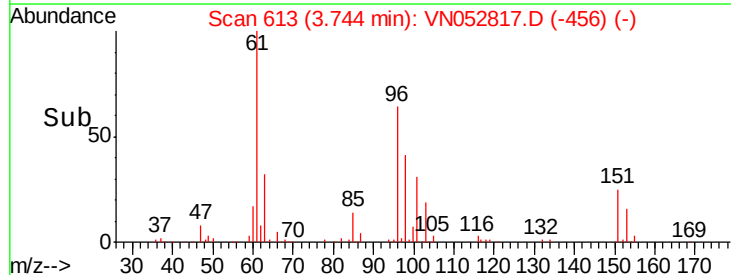
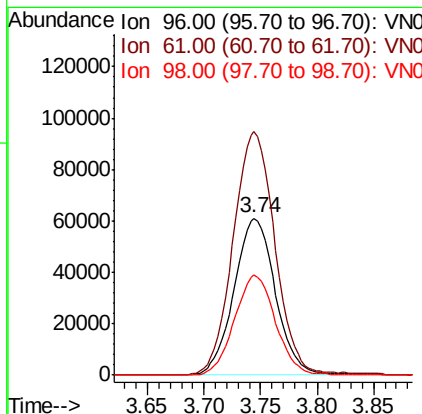
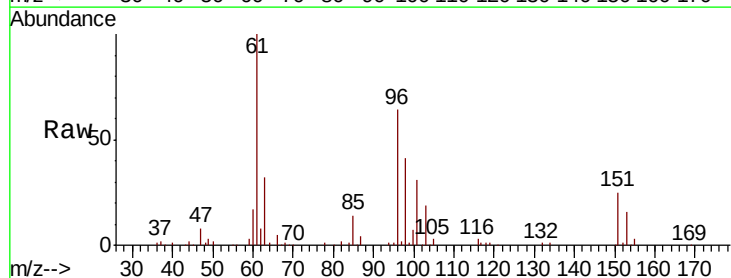
RT: 3.74 min Scan# 613

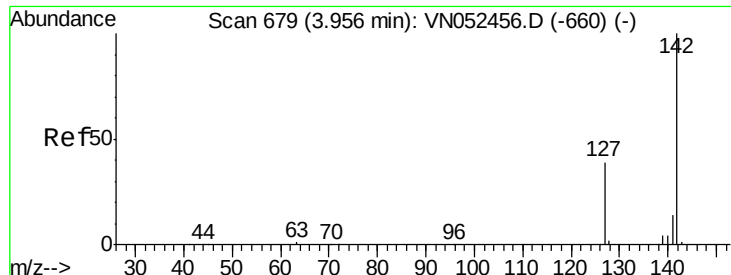
Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Tgt Ion:	96	Resp:	154932
Ion Ratio	Lower	Upper	
96	100		
61	154.8	129.4	194.2
98	63.5	50.4	75.6





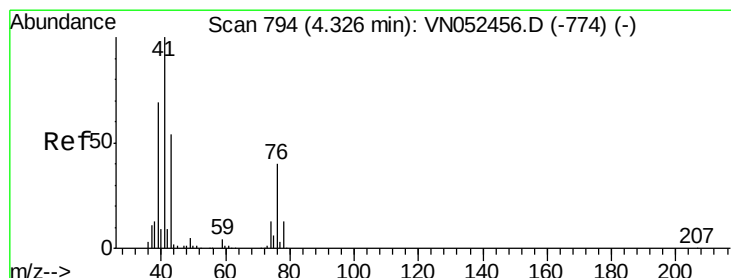
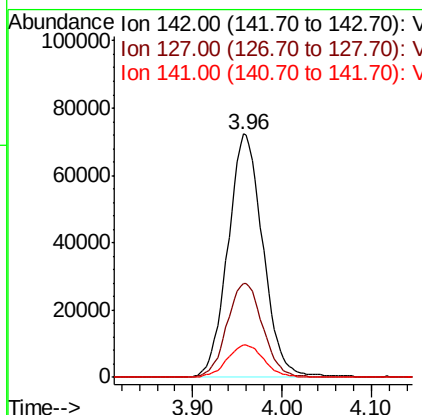
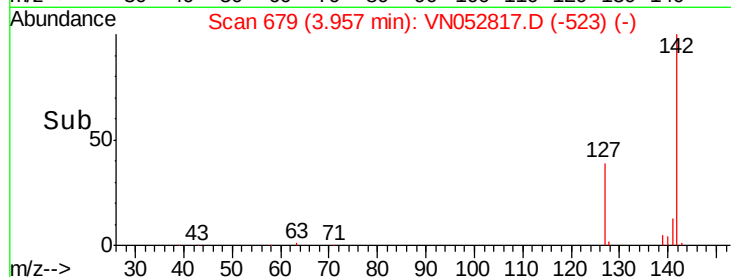
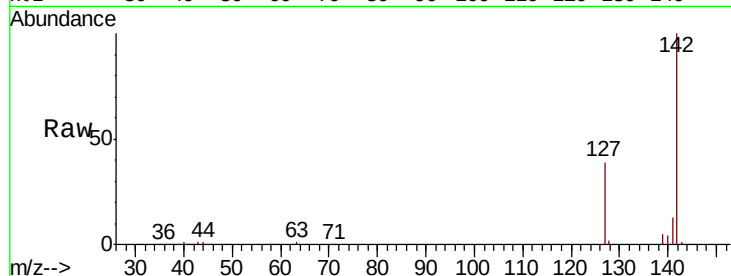
#11
Methvl Iodide
Concen: 16.762 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	142	Resp:	196753
Ion Ratio	Lower	Upper	
142	100		
127	38.8	19.4	58.1
141	13.2	7.2	21.6

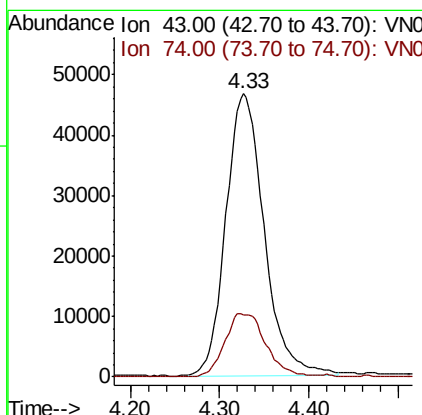
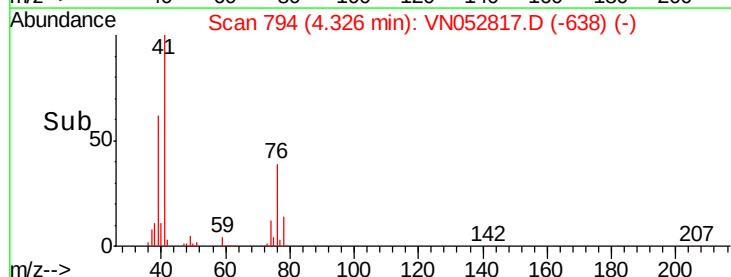
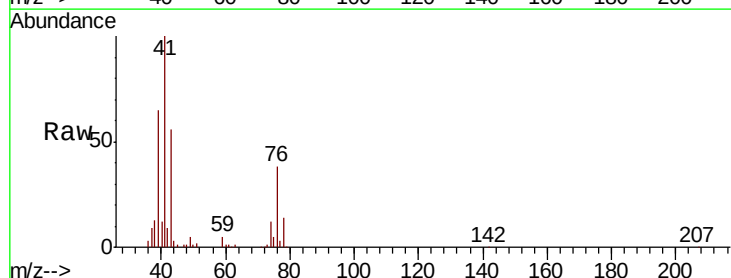
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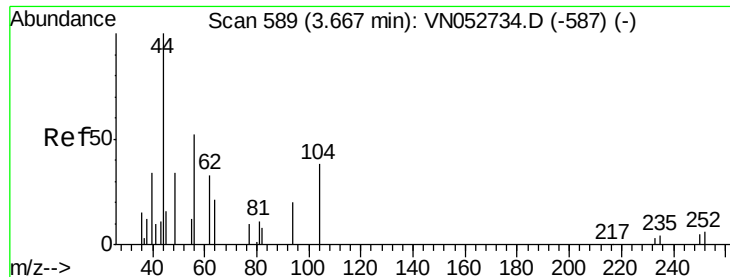
MMDadoda
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#12
Methyl Acetate
Concen: 19.365 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion:	43	Resp:	139105
Ion Ratio	Lower	Upper	
43	100		
74	22.0	18.9	28.3





#13

Acrolein

Concen: 66.098 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 55772

Ion Ratio Lower Upper

56 100

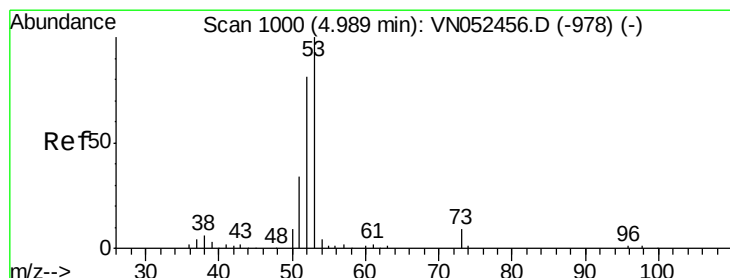
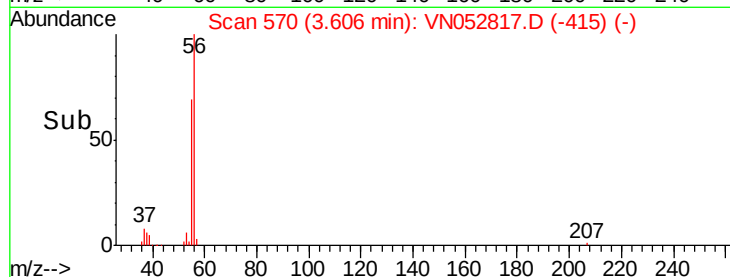
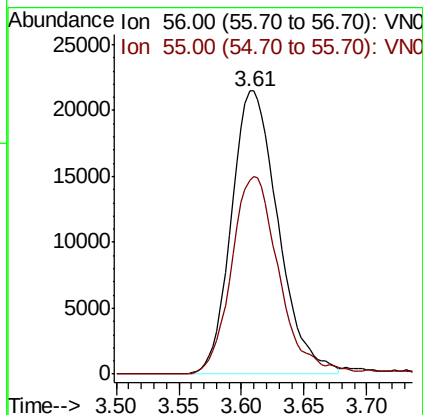
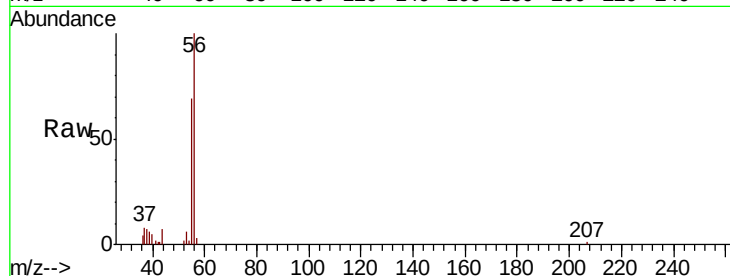
55 69.5 56.7 85.1

Manual Integrations

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MMDadoda

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#14

Acrylonitrile

Concen: 94.384 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

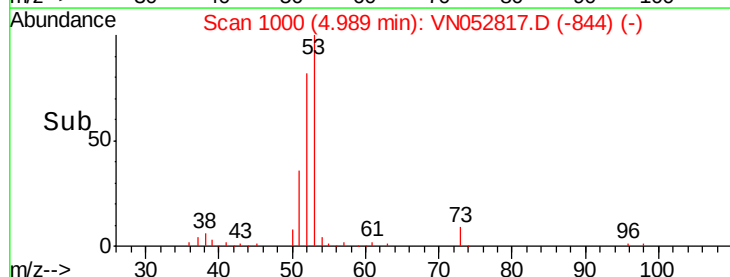
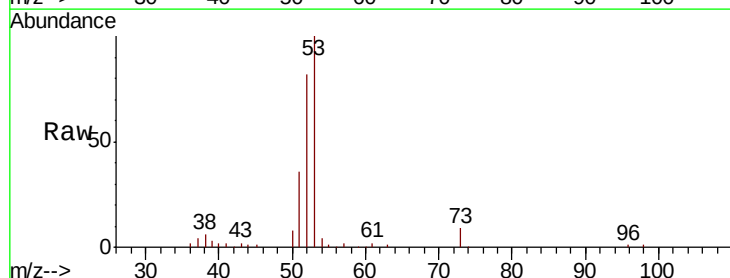
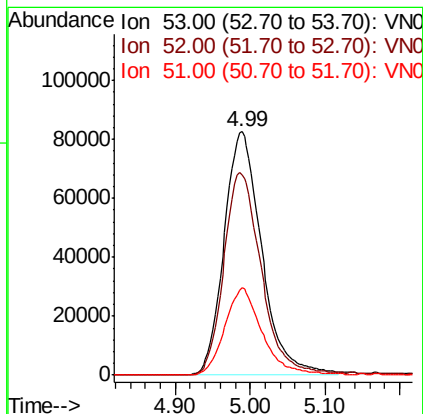
Tgt Ion: 53 Resp: 288874

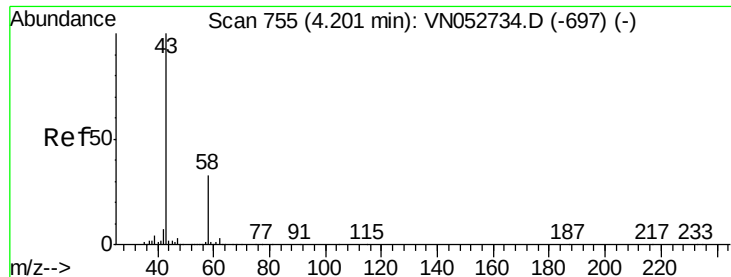
Ion Ratio Lower Upper

53 100

52 82.1 39.9 119.7

51 35.6 17.6 52.9





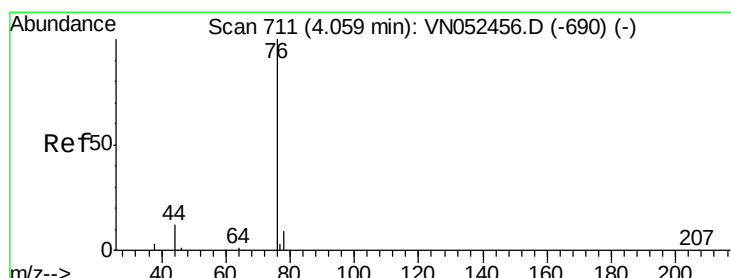
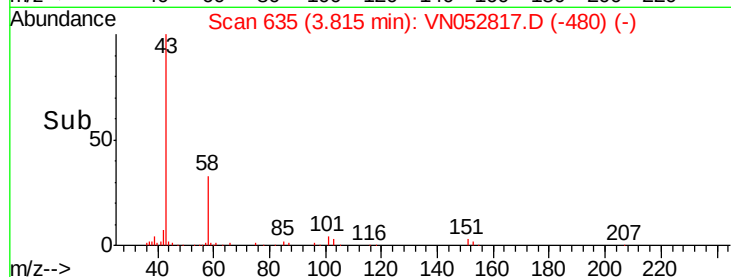
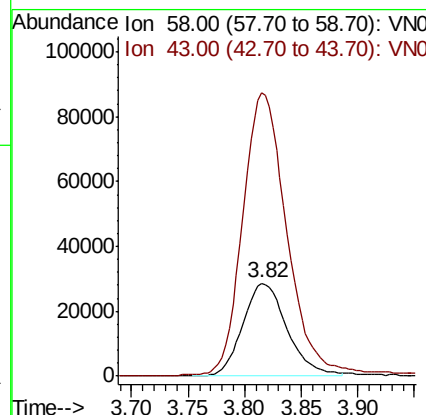
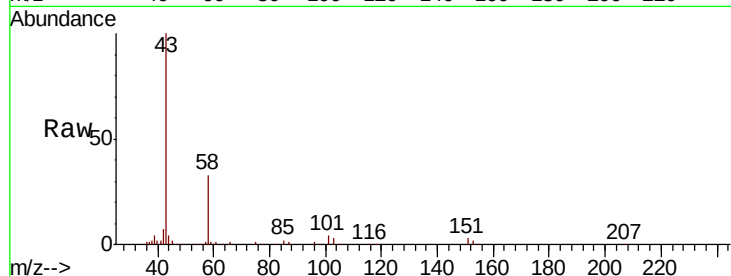
#15
Acetone
Concen: 98.782 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	58	Resp	78298
Ion Ratio	Lower	Upper	
58	100		
43	302.8	243.6	365.4

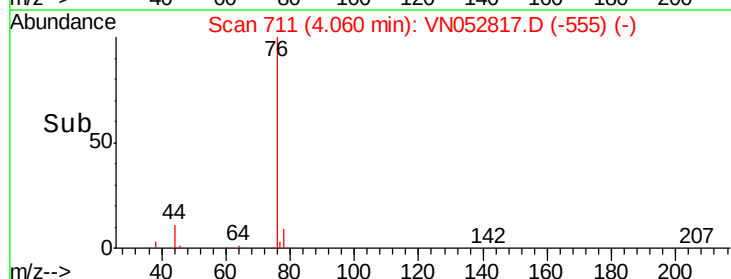
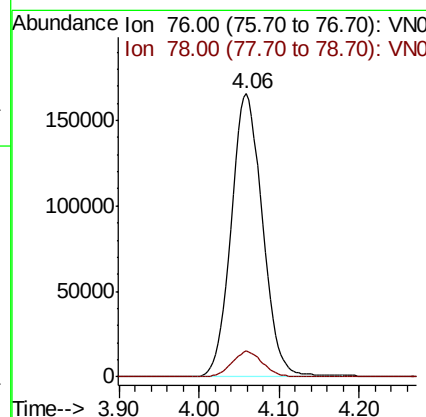
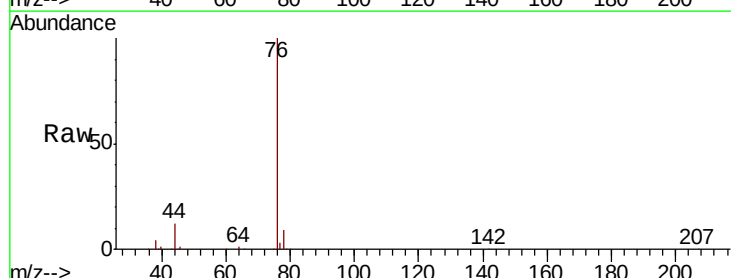
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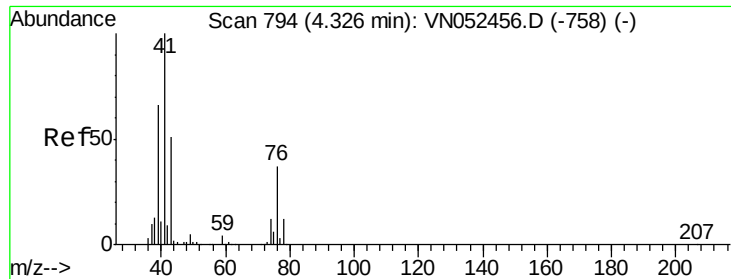
MMDadoda
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#16
Carbon Disulfide
Concen: 16.501 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	76	Resp	441655
Ion Ratio	Lower	Upper	
76	100		
78	9.0	7.3	10.9





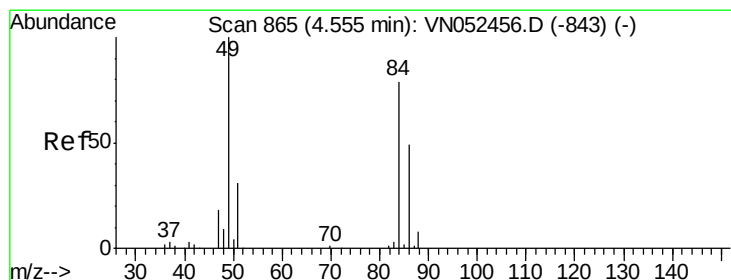
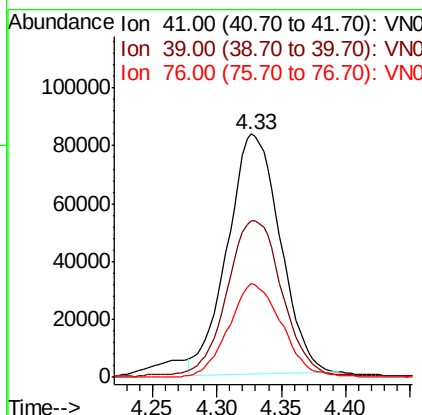
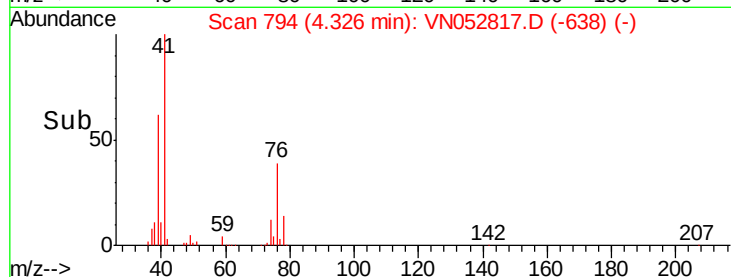
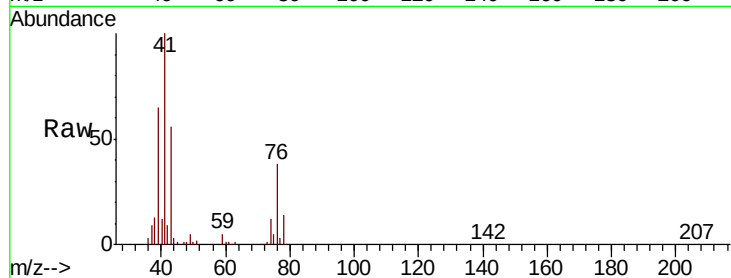
#17
Allvl chloride
Concen: 16.028 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	236311
Ion Ratio		Lower	Upper
41	100		
39	64.5	32.8	98.3
76	38.3	18.6	55.8

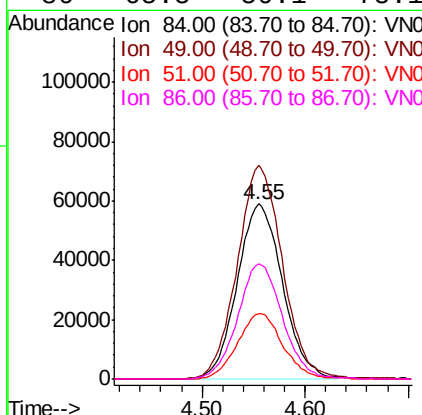
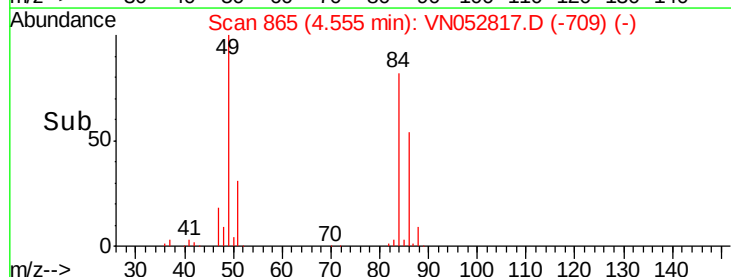
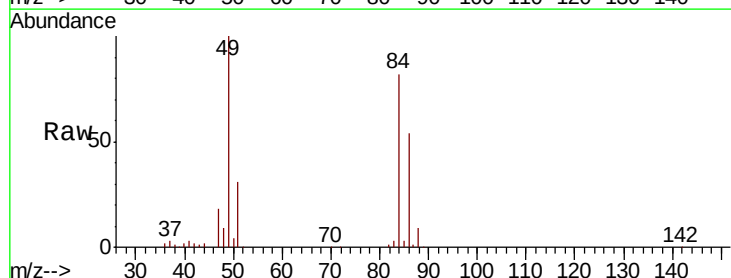
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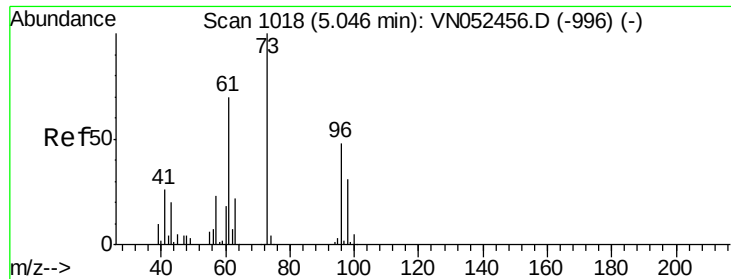
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#18
Methylene Chloride
Concen: 18.450 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion:	84	Resp:	180598
Ion Ratio		Lower	Upper
84	100		
49	121.5	101.4	152.0
51	37.5	31.7	47.5
86	65.5	50.1	75.1





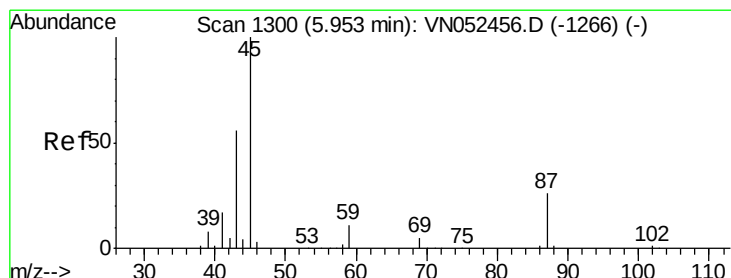
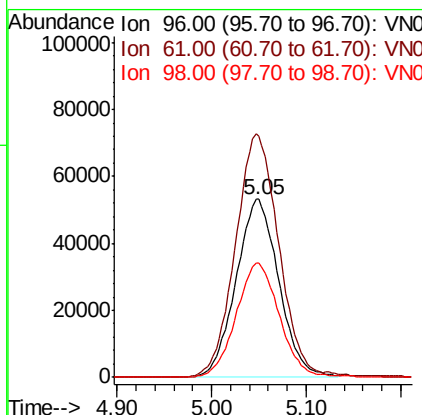
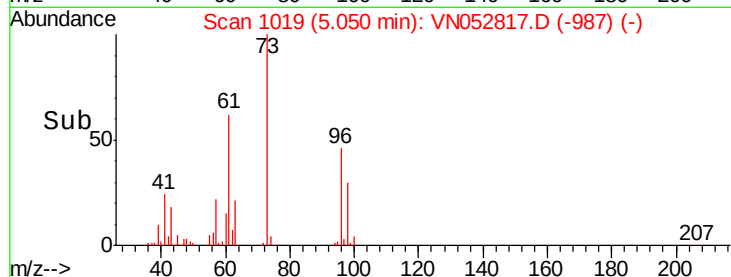
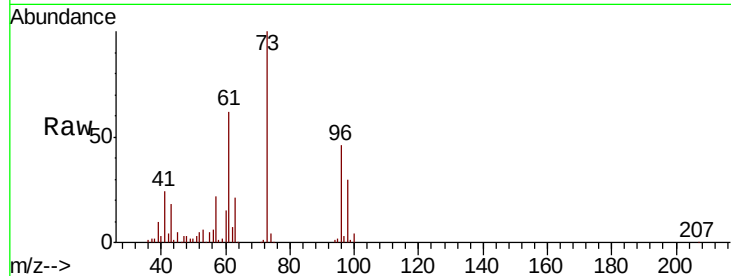
#19
trans-1,2-Dichloroethene
Concen: 18.356 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	118.2	177.4
98	64.4	51.4	77.2

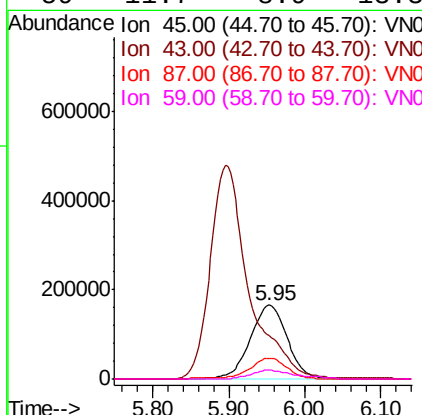
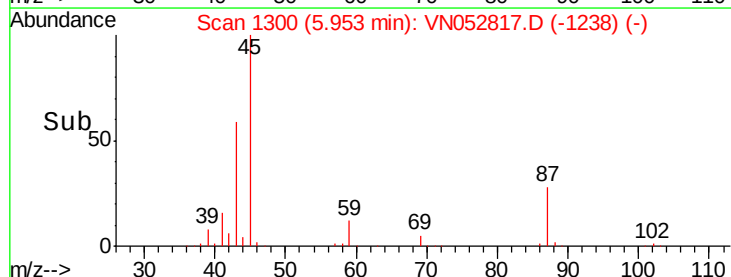
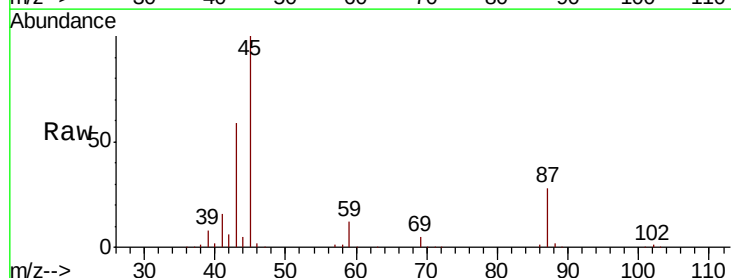
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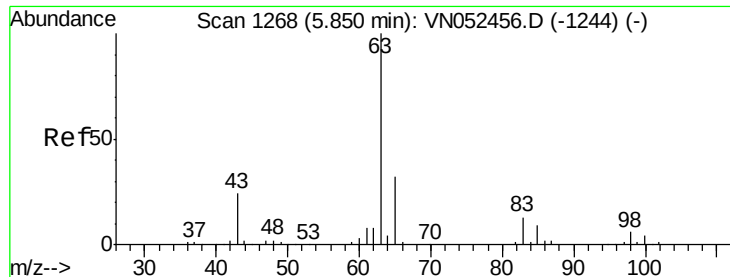
MMDadoda
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#20
Diisopropyl ether
Concen: 18.007 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	47.8	71.8
87	28.1	21.3	31.9
59	11.7	8.9	13.3





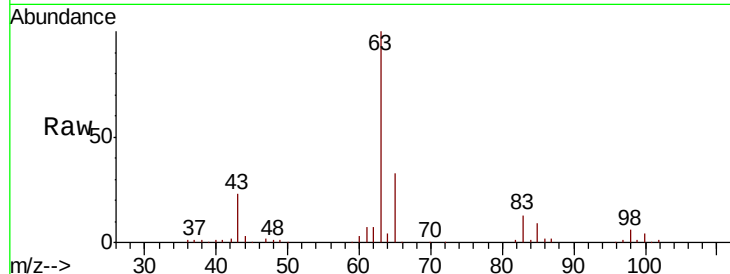
#21
 1,1-Dichloroethane
 Concen: 18.246 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

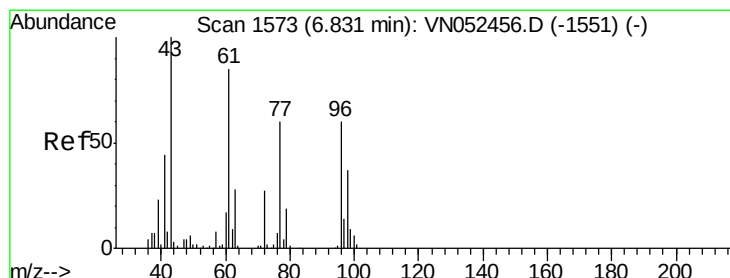
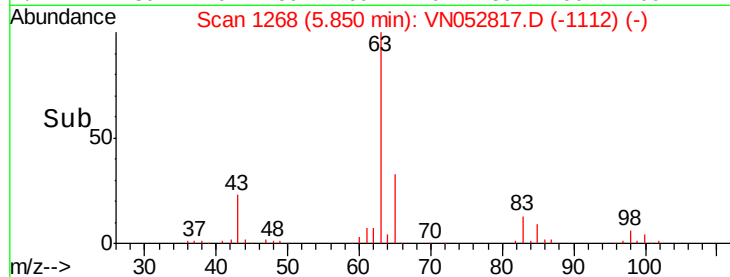
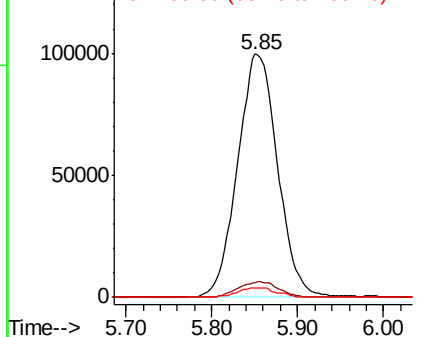
Tot Ion:	63	Resp:	322215
Ion Ratio	Lower	Upper	
63	100		
98	6.1	3.0	9.2
100	3.9	1.8	5.5

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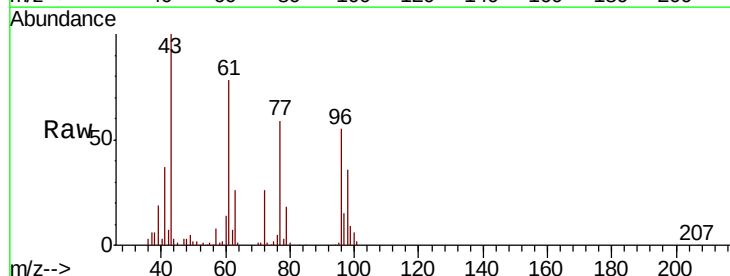


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

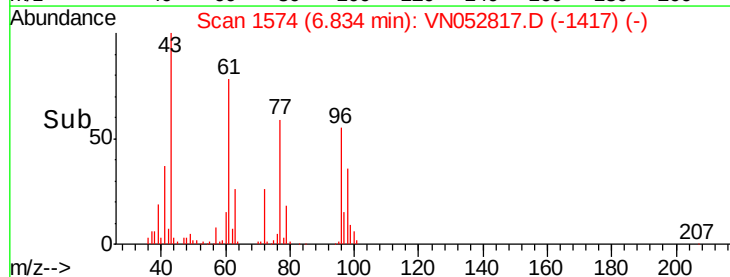
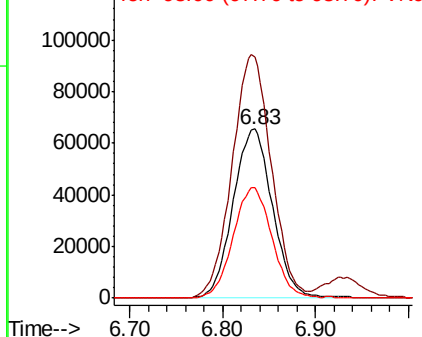


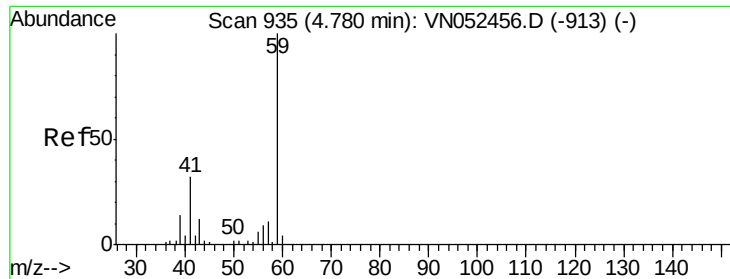
#22
 cis-1,2-Dichloroethene
 Concen: 18.512 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion:	96	Resp:	193023
Ion Ratio	Lower	Upper	
96	100		
61	143.7	116.7	175.1
98	64.4	50.8	76.2



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





#23

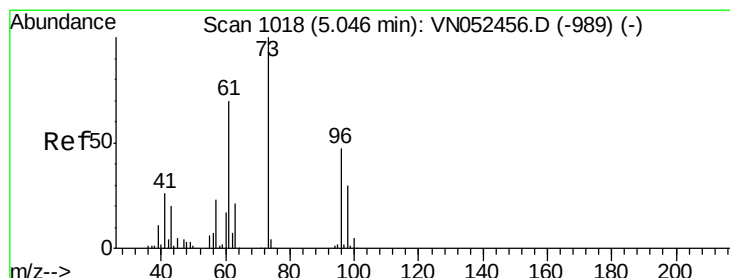
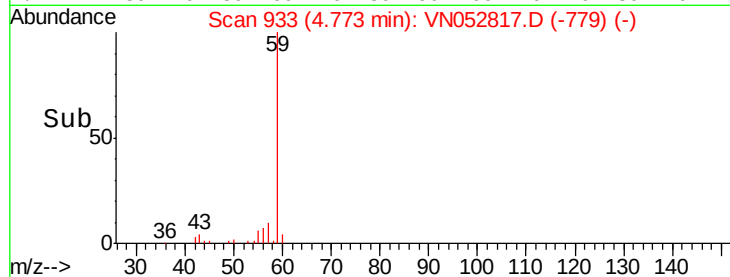
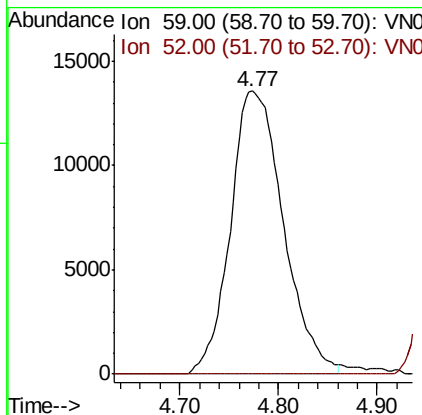
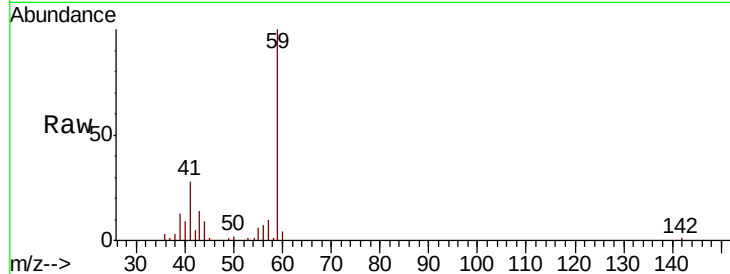
tert-Butyl Alcohol
 Concen: 111.035 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.4	0.0	0.0#

Manual Integrations
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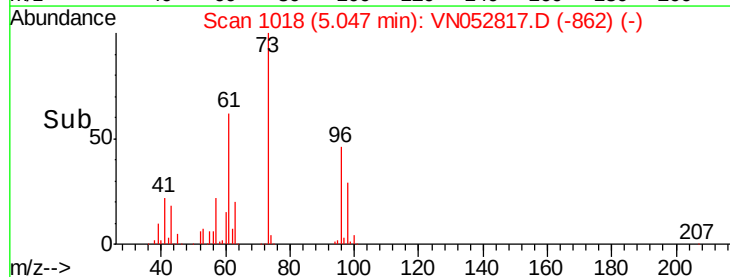
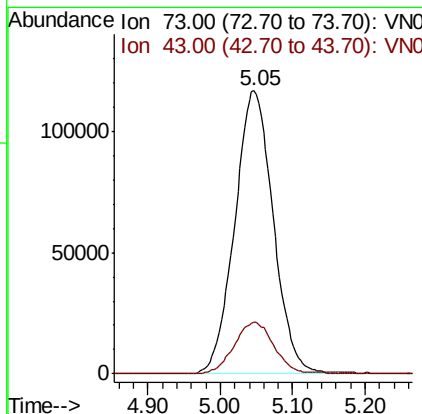
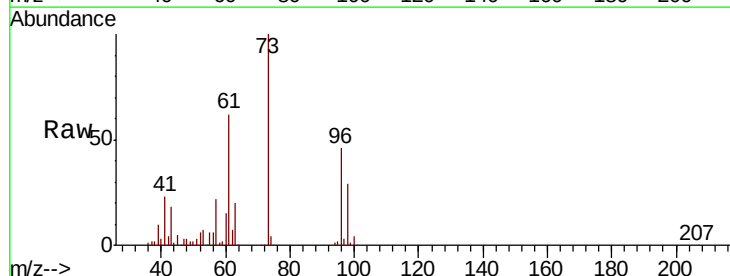
MMDadoda
 12/13/2018 1:29:15 PM

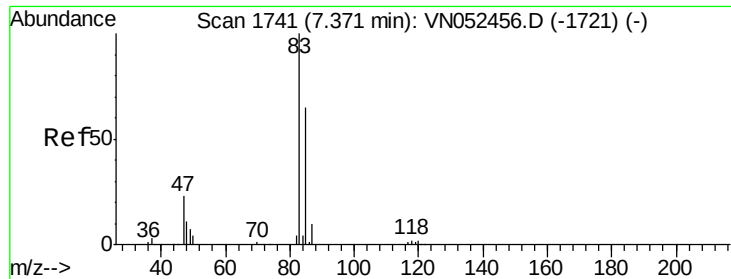


#24

Methyl tert-Butyl Ether
 Concen: 19.437 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.8	23.8





#25

Chloroform

Concen: 18.500 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 315173

Ion Ratio Lower Upper

83 100

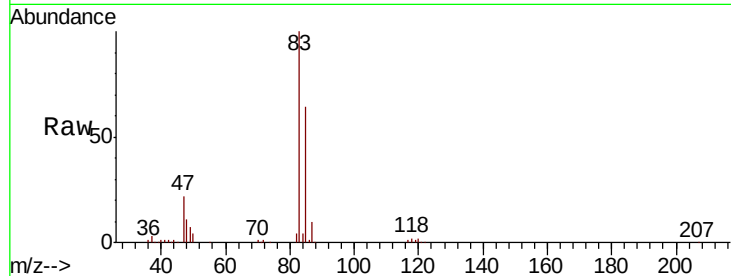
85 64.4 51.7 77.5

Manual Integrations

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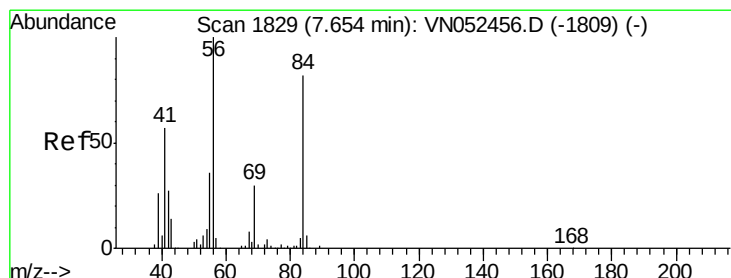
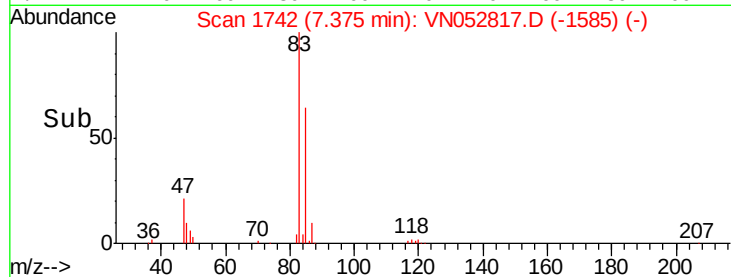
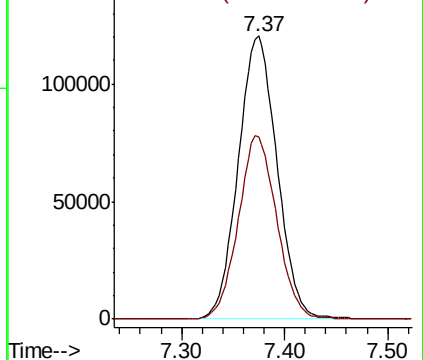
MMDadoda

12/13/2018 1:29:15 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 17.408 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

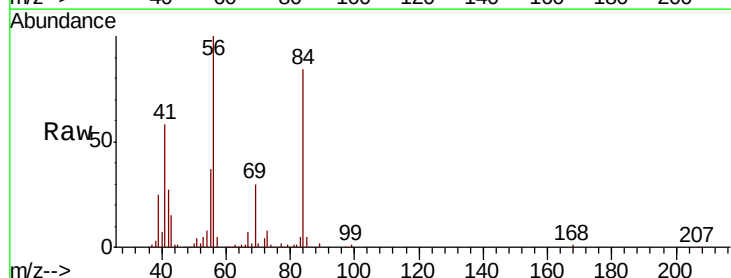
Tgt Ion: 56 Resp: 289932

Ion Ratio Lower Upper

56 100

89 2.2 0.5 0.7#

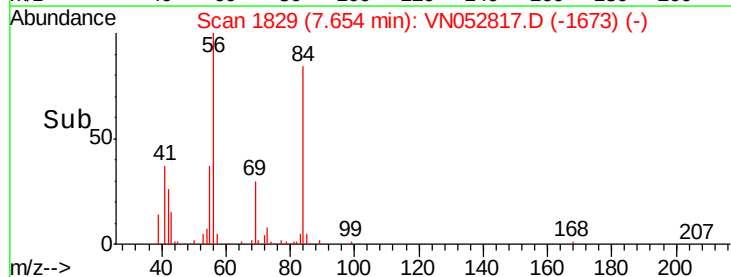
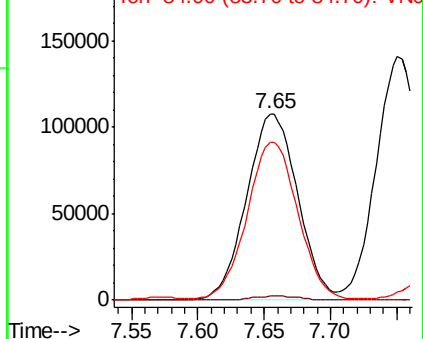
84 84.6 66.2 99.2

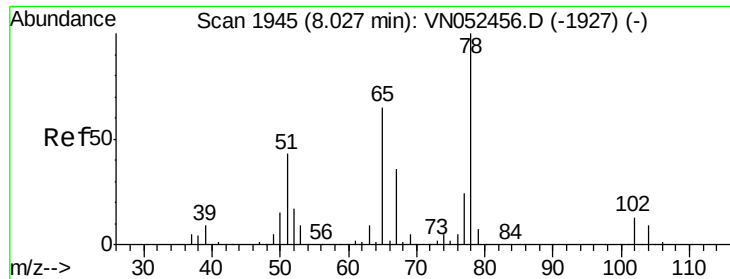


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





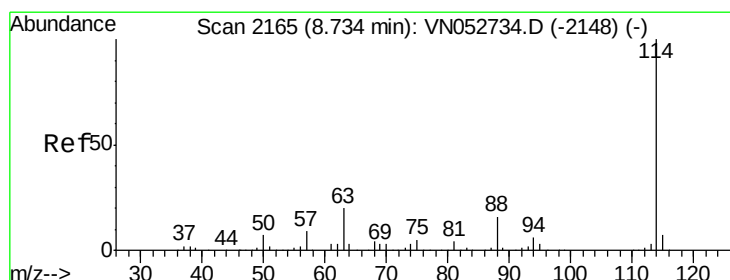
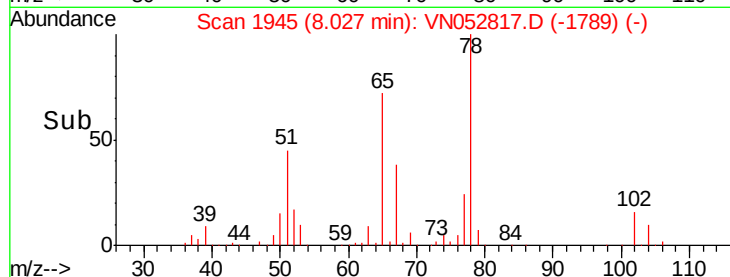
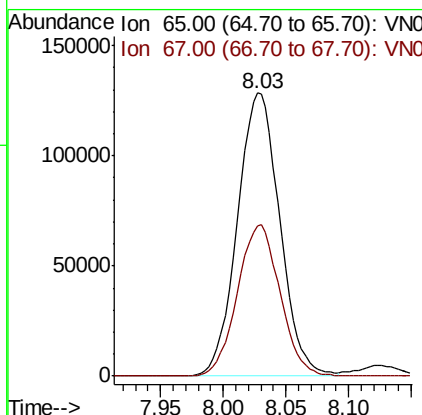
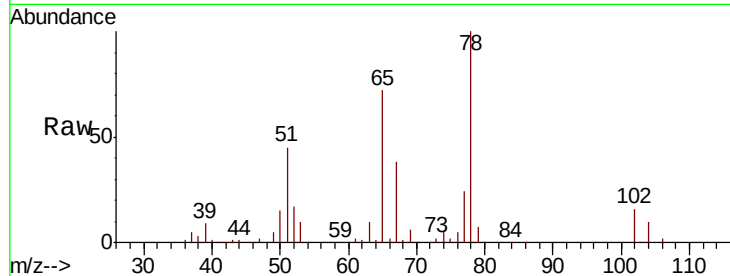
#27
 1,2-Dichloroethane-d4
 Concen: 17.408 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	44.6	66.8

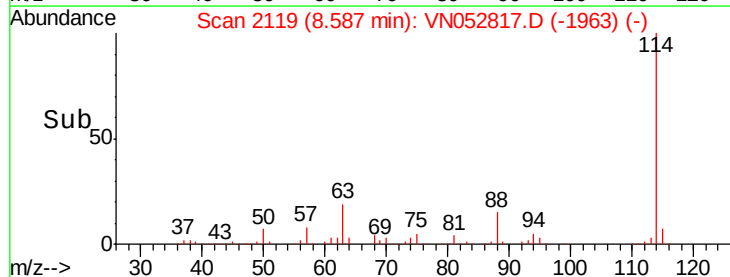
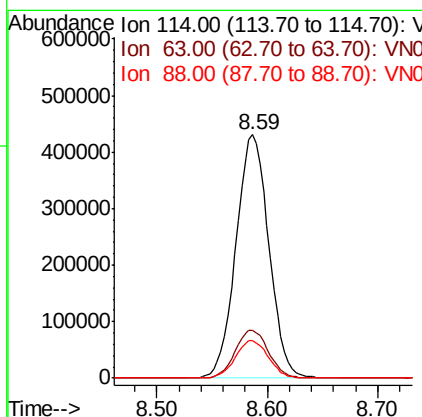
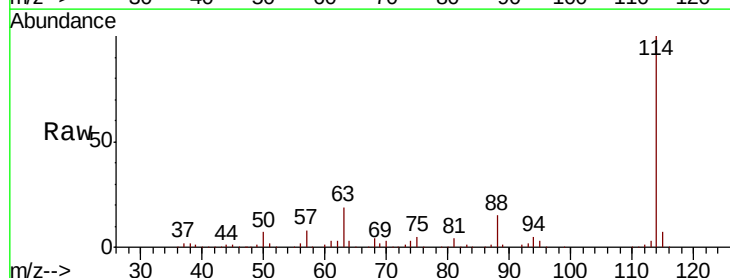
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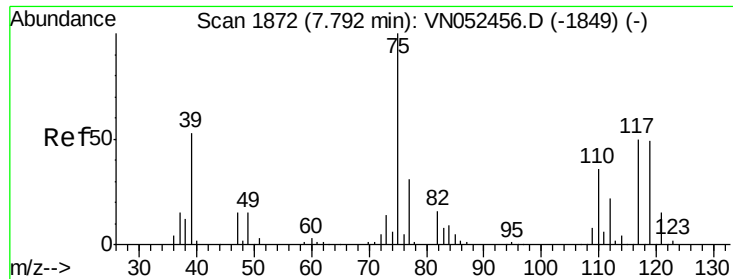
MMDadoda
 12/13/2018 1:29:15 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.9	25.3
88	15.5	12.8	19.2





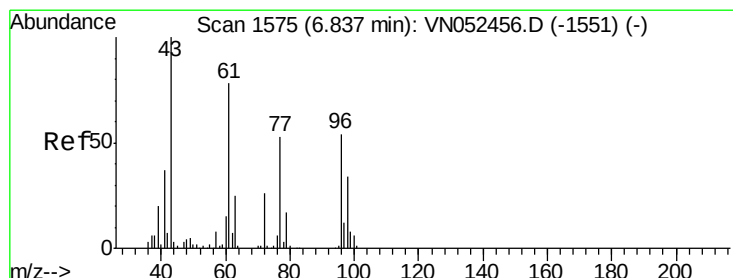
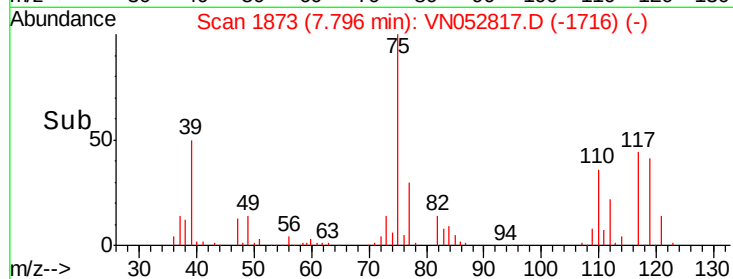
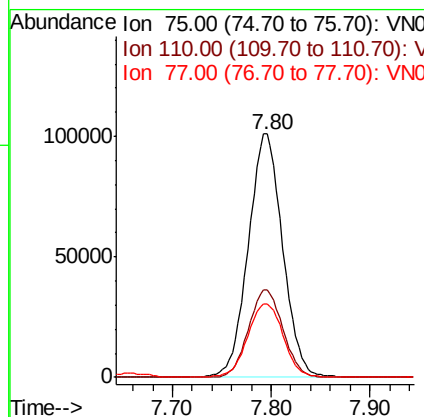
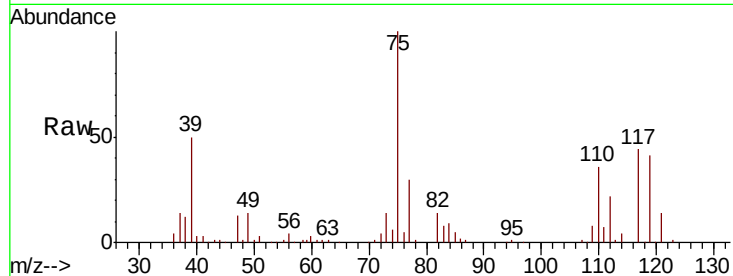
#29
 1,1-Dichloropropene
 Concen: 17.877 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.8	0.0	70.2
77	31.5	0.0	62.6

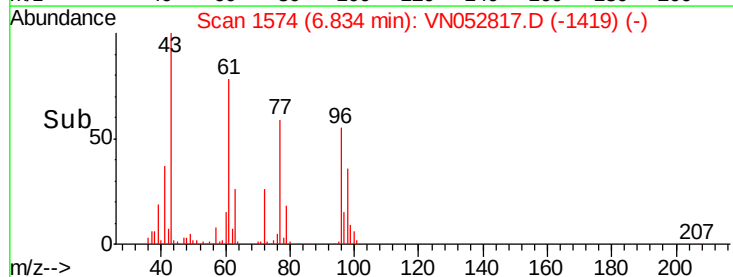
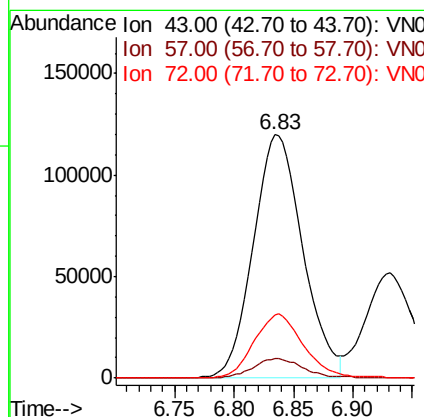
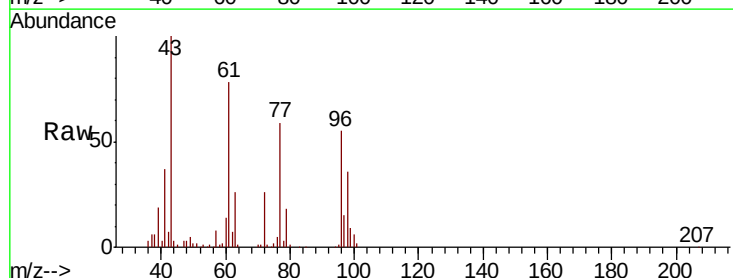
Manual Integrations
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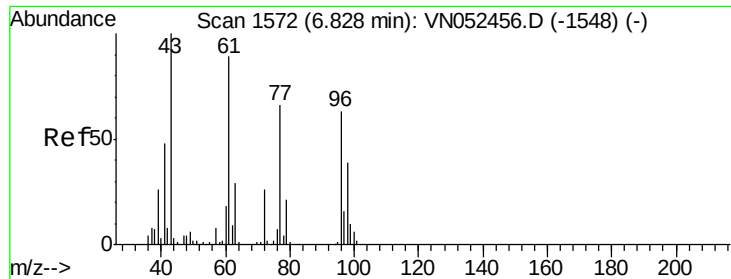
MMDadoda
 12/13/2018 1:29:15 PM



#30
 2-Butanone
 Concen: 94.642 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.2	9.4
72	26.5	21.0	31.6





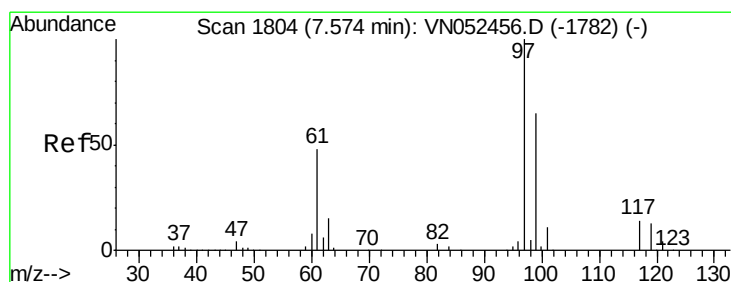
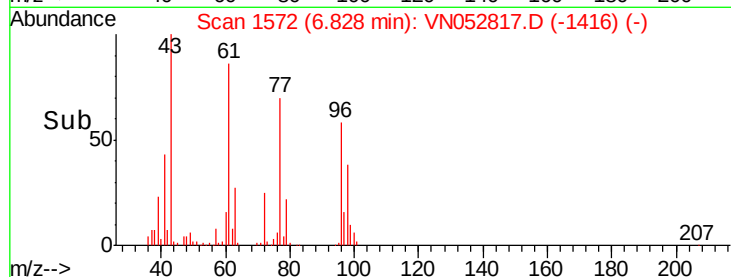
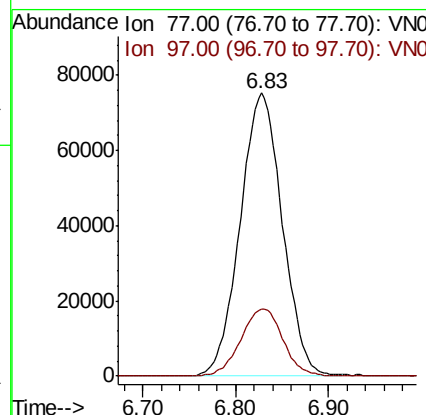
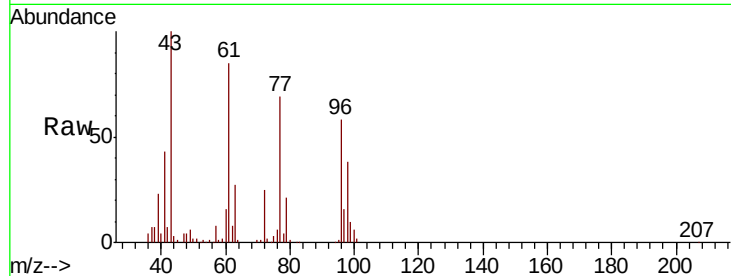
#31
 2,2-Dichloropropane
 Concen: 19.001 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 237471
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.7 28.1

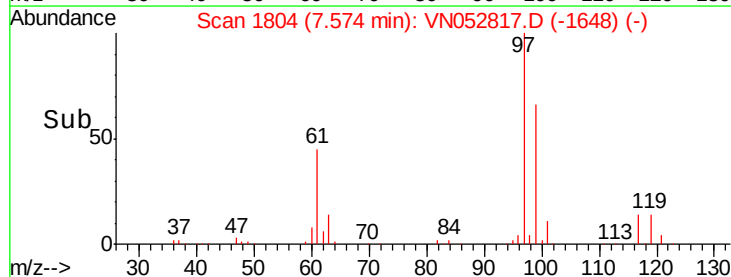
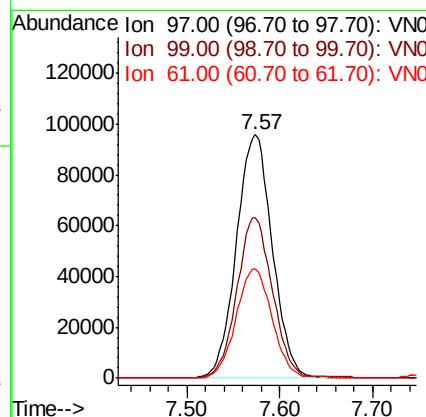
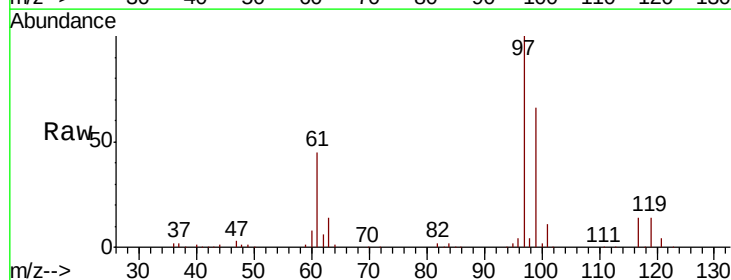
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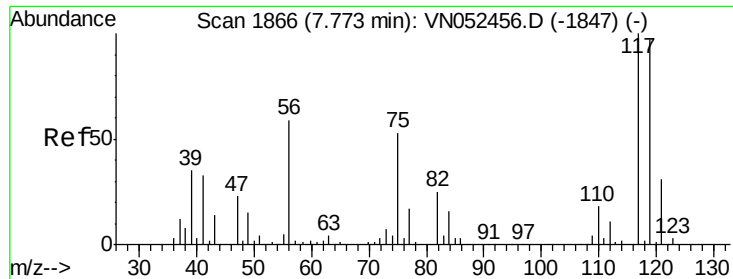
MMDadoda
 12/13/2018 1:29:15 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.245 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion: 97 Resp: 257722
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.9 76.3
 61 45.0 38.1 57.1





#33

Carbon Tetrachloride

Concen: 18.296 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

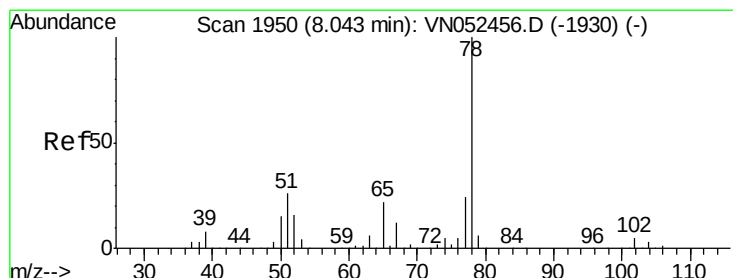
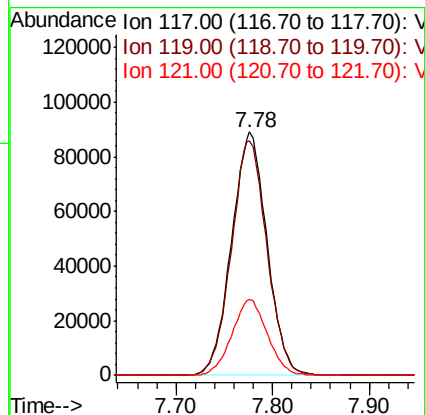
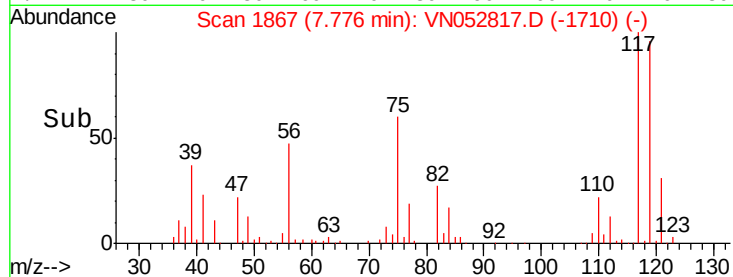
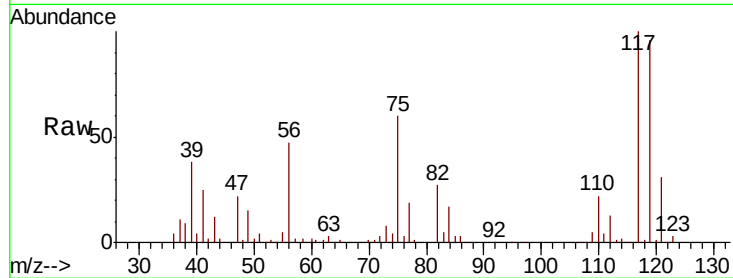
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	226129
Ion Ratio	Lower	Upper	
117	100		
119	96.4	77.3	115.9
121	31.3	24.9	37.3

Manual Integrations
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12/13/2018 1:29:15 PM



#34

Benzene

Concen: 17.754 ug/l

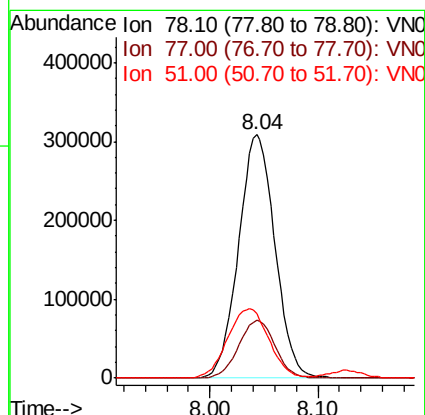
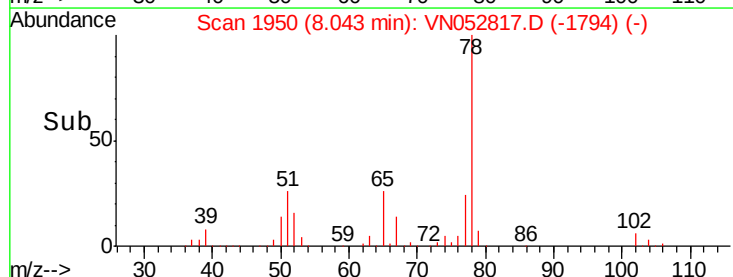
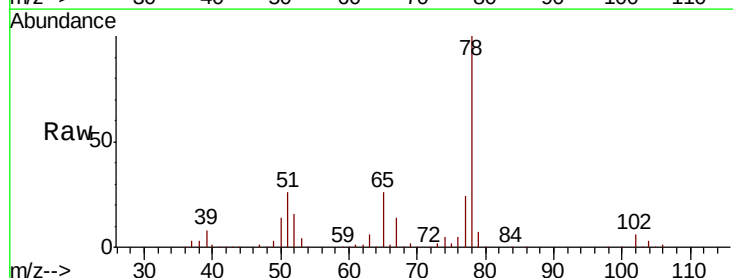
RT: 8.04 min Scan# 1950

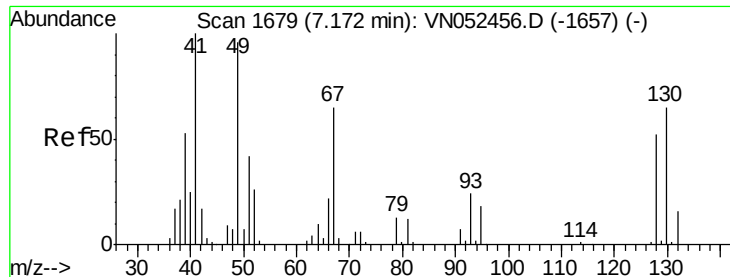
Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Tgt Ion:	78	Resp:	724631
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.0	28.6
51	26.3	20.5	30.7





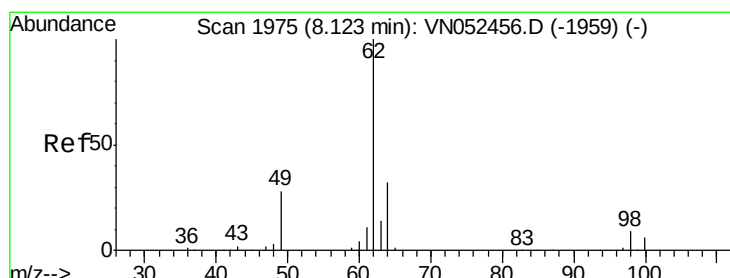
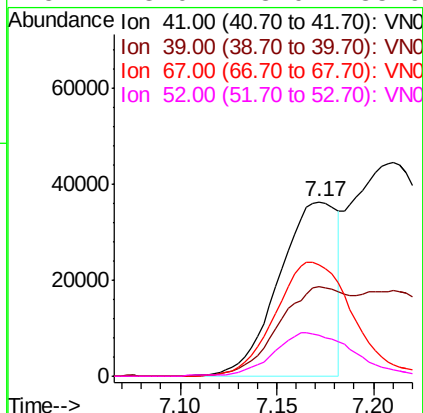
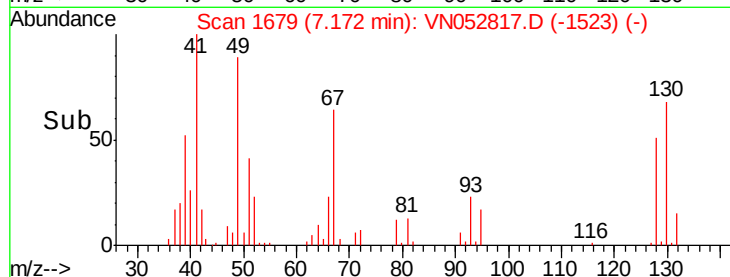
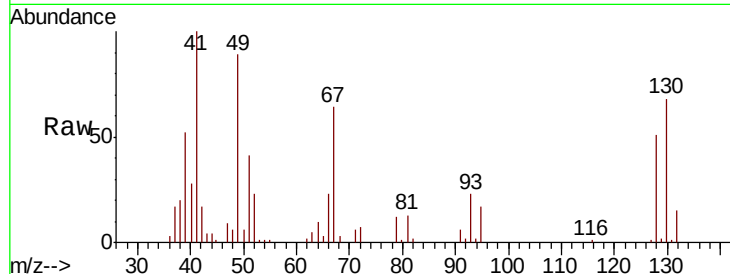
#35
Methacrylonitrile
Concen: 16.894 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41	Resp	76141
Ion	Ratio	Lower	Upper
41	100		
39	51.5	26.6	79.7
67	64.1	32.3	96.9
52	23.0	13.0	38.9

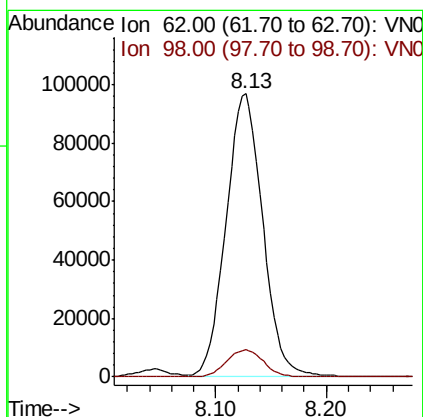
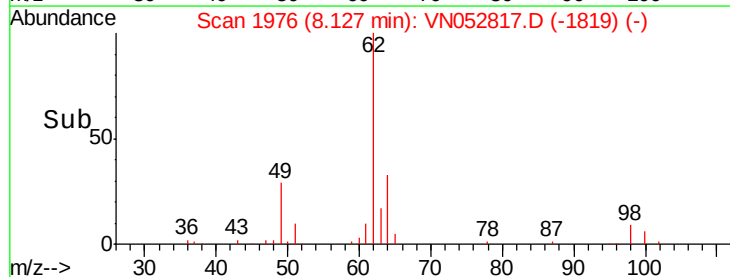
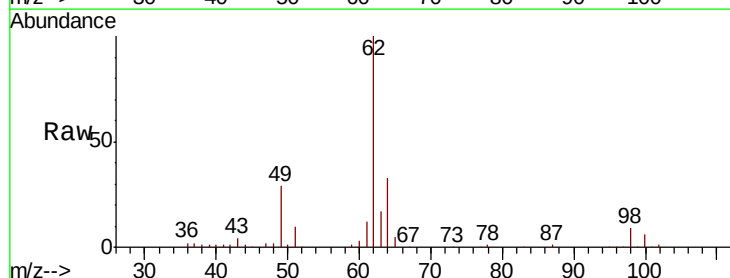
Manual Integrations
APPROVED

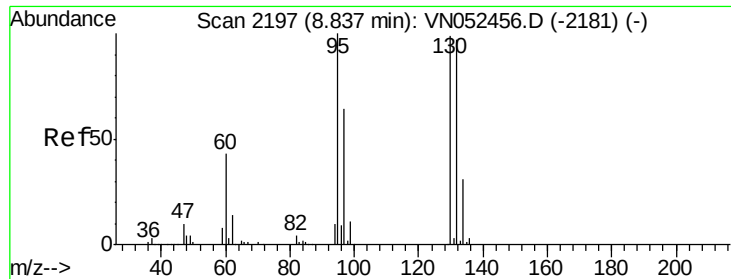
MMDadoda
12/13/2018 1:29:15 PM



#36
1,2-Dichloroethane
Concen: 17.967 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	62	Resp	222220
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.4	11.2





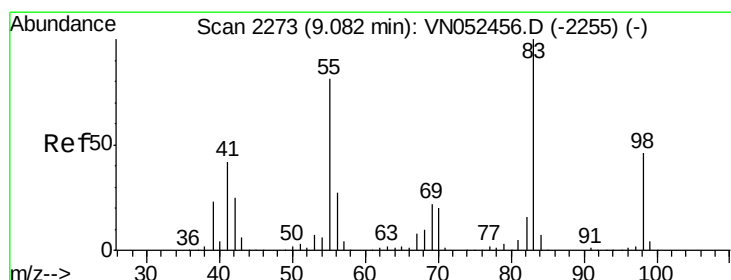
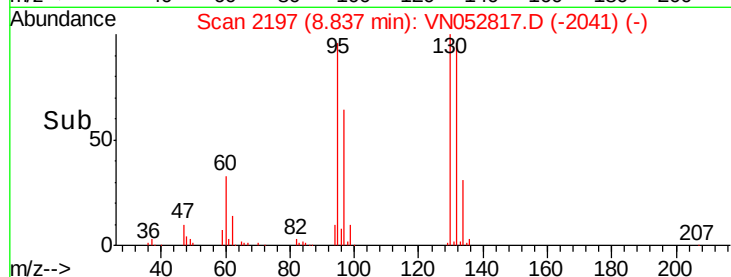
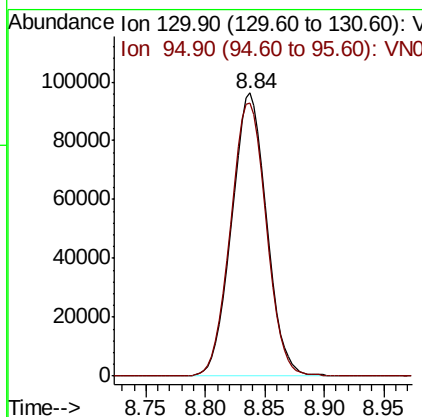
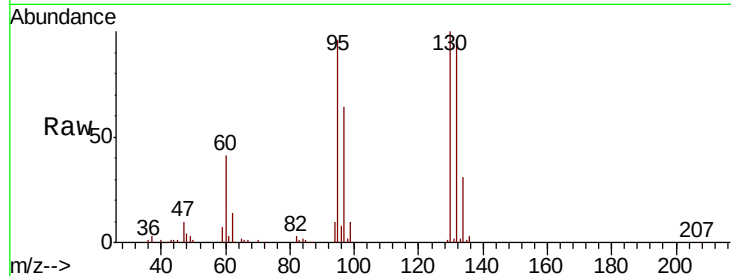
#37
 Trichloroethene
 Concen: 18.938 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	196002		
95	96.4	81.0	121.4	

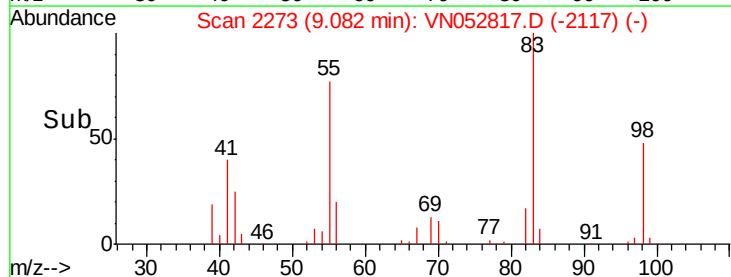
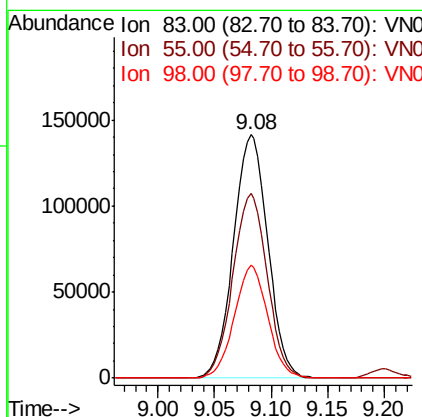
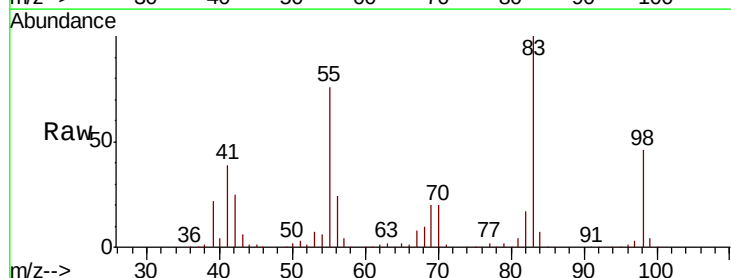
Manual Integrations
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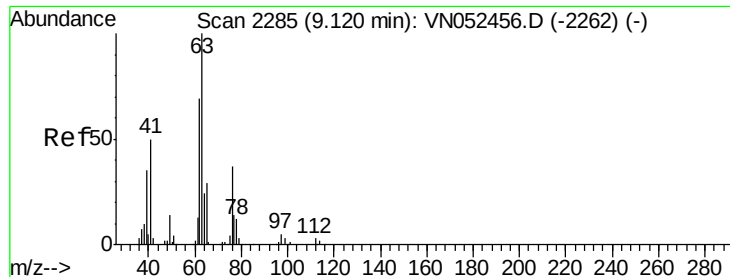
MMDadoda
 12/13/2018 1:29:15 PM



#38
 Methylcyclohexane
 Concen: 17.825 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	299548		
55	75.8	39.8	119.4	
98	44.9	22.9	68.5	





#39

1,2-Dichloropropane

Concen: 17.818 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 194940

Ion Ratio Lower Upper

63 100

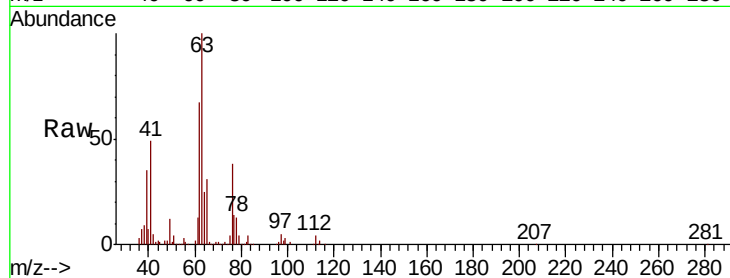
65 31.1 23.6 35.4

Manual Integrations

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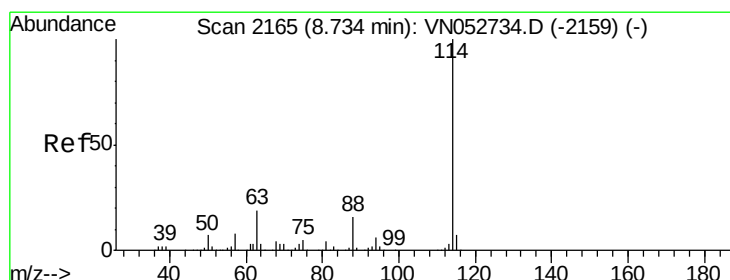
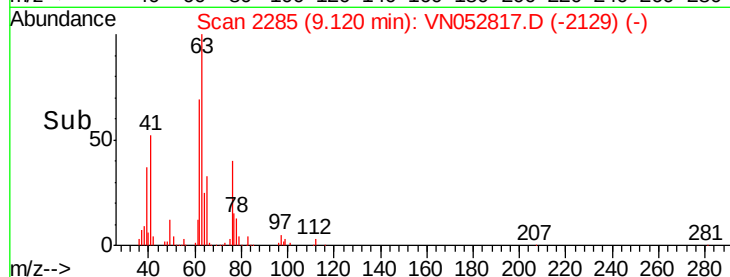
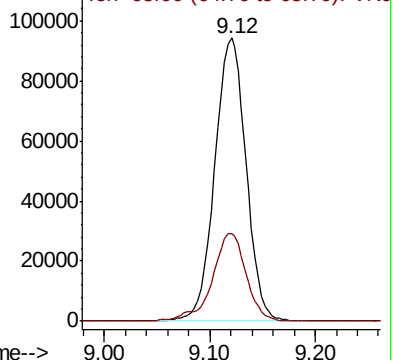
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.521 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

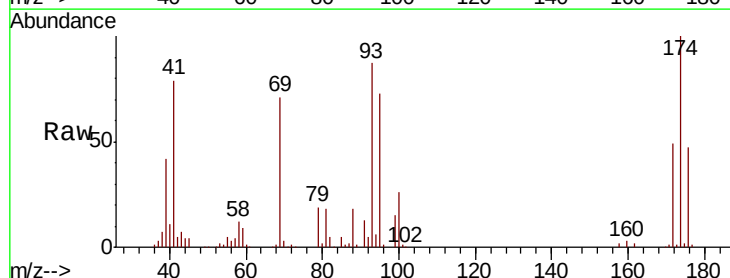
Tgt Ion: 93 Resp: 109503

Ion Ratio Lower Upper

93 100

95 84.7 0.0 168.4

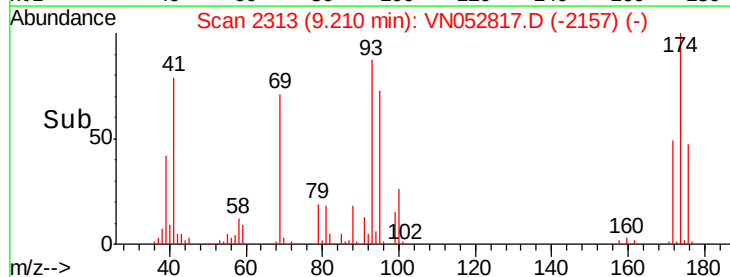
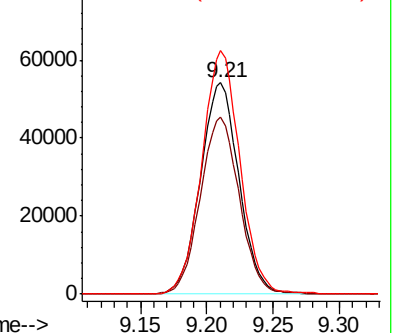
174 113.9 0.0 210.0

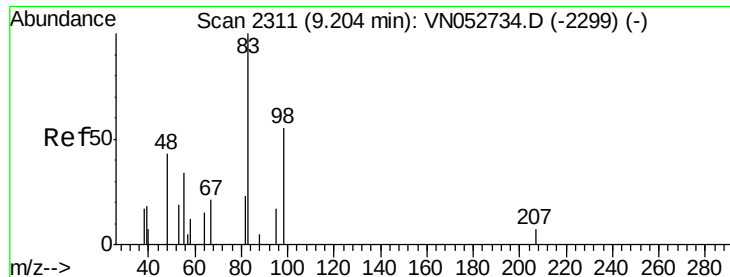


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 17.955 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

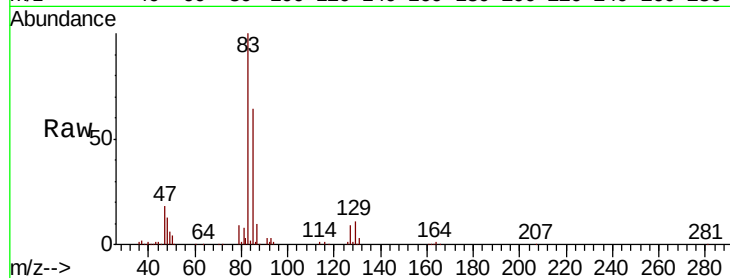
ClientSampleId :

VSTDCCC020

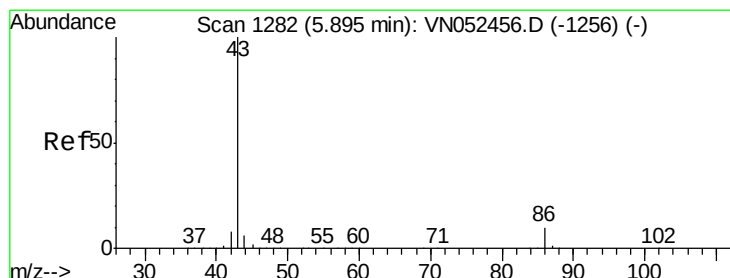
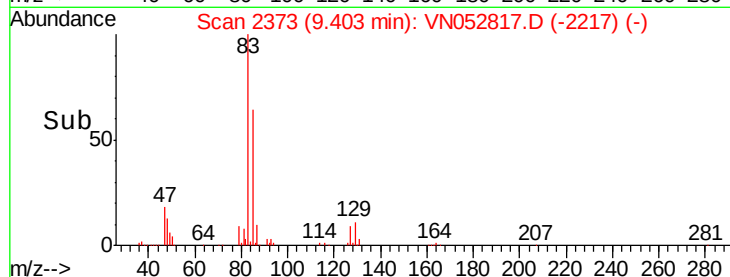
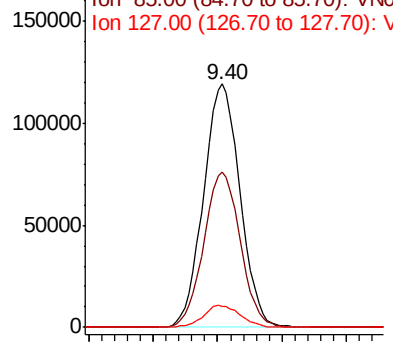
Tot Ion:	83	Resp:	234544
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.4	78.6
127	8.8	6.6	9.8

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN052817.D (-2217) (-)



#42

Vinyl Acetate

Concen: 86.383 ug/l

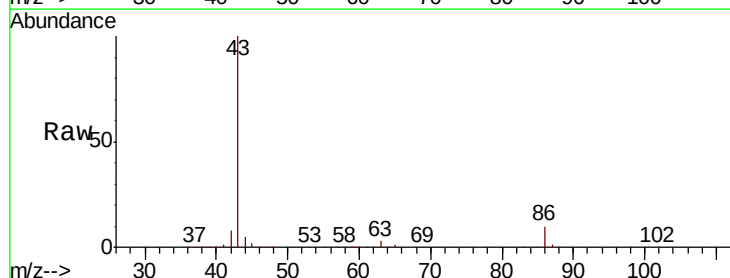
RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

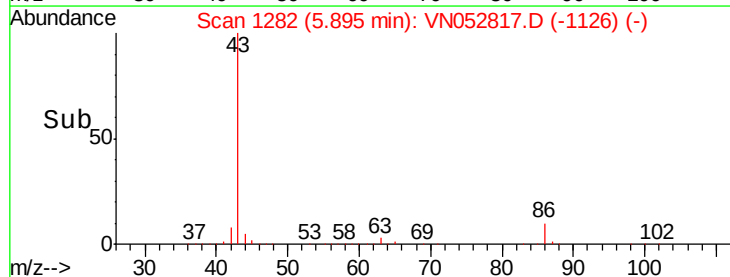
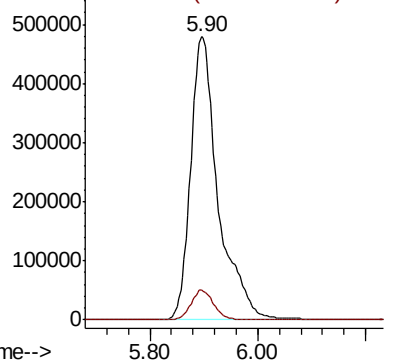
Lab File: VN052817.D

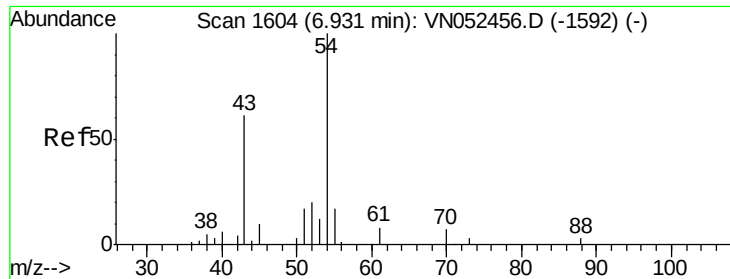
Acq: 12 Dec 2018 10:35

Tgt Ion:	43	Resp:	1697831
Ion Ratio	Lower	Upper	
43	100		
86	8.6	6.5	9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052817.D (-1126) (-)





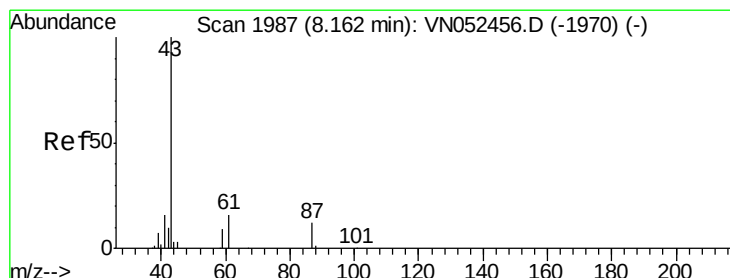
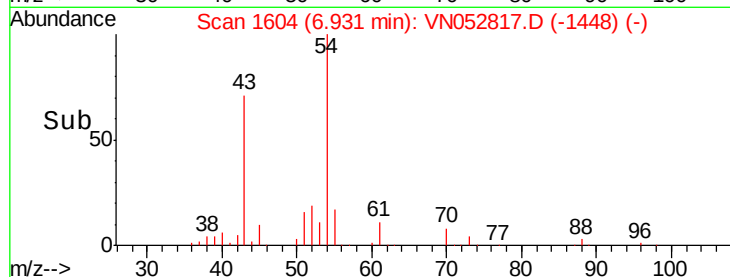
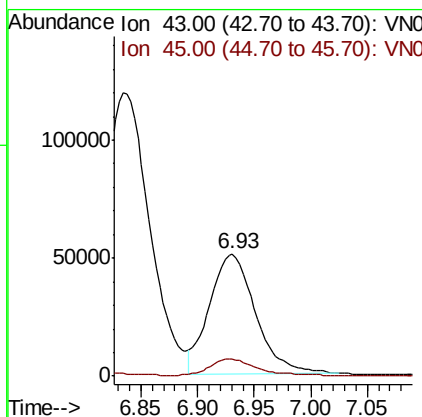
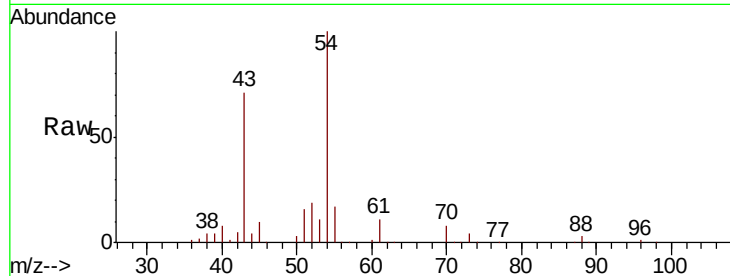
#43
Ethyl Acetate
Concen: 18.536 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 143180
Ion Ratio Lower Upper
43 100
45 13.5 1.0 1.6#

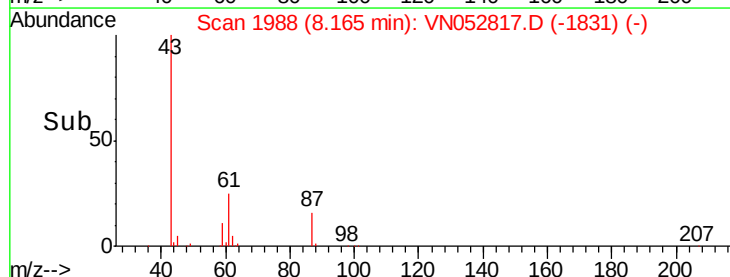
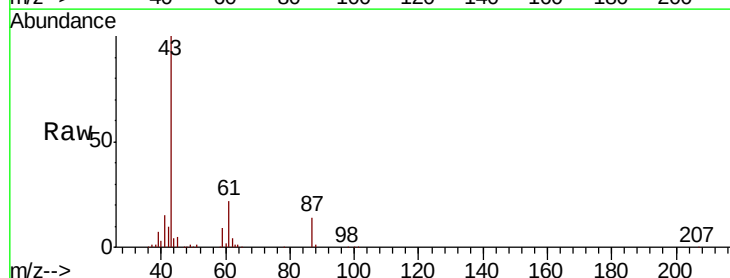
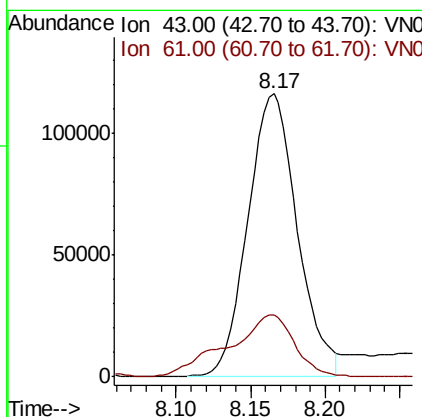
Manual Integrations
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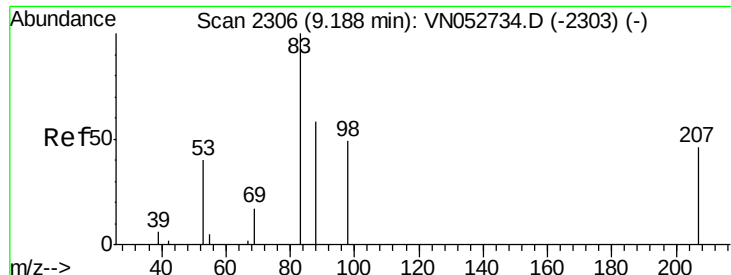
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.804 ug/l m
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion: 43 Resp: 268287
Ion Ratio Lower Upper
43 100
61 0.0 16.0 24.0#





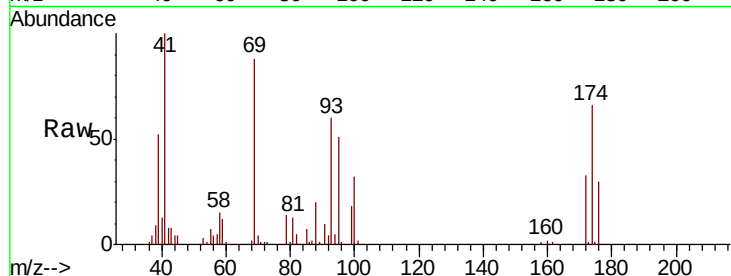
#45
 1,4-Dioxane
 Concen: 413.099 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

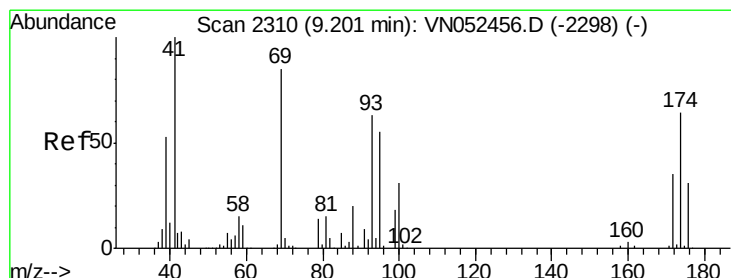
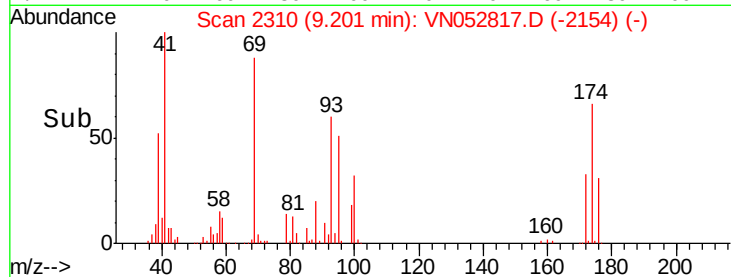
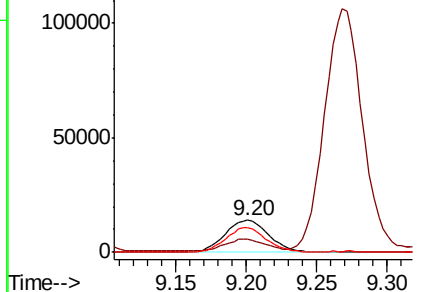
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.4	29.5	44.3	
58	71.5	61.5	92.3	

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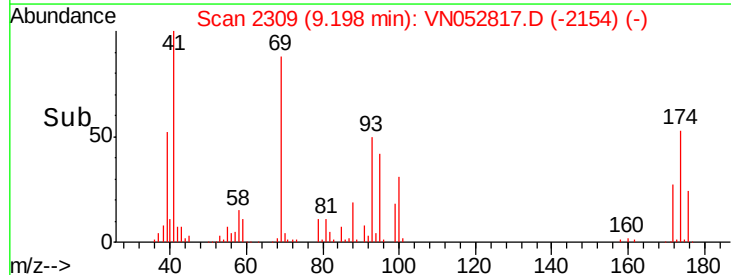
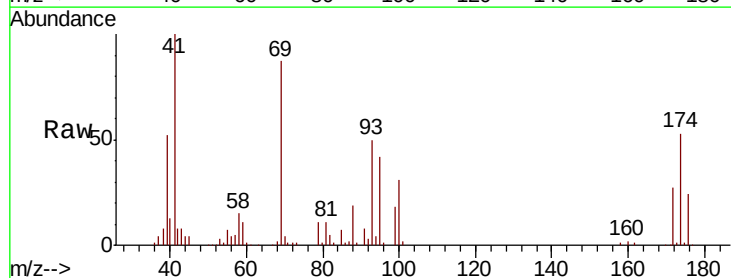
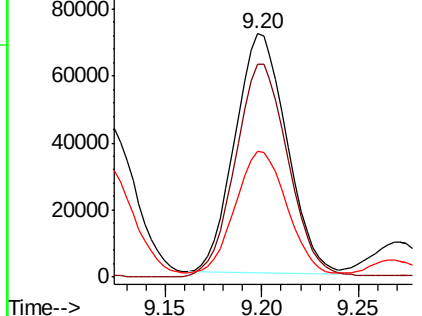
Abundance Ion 88.00 (87.70 to 88.70): VN052817.D (-2154) (-)
 Ion 43.00 (42.70 to 43.70): VN052817.D (-2154) (-)
 Ion 58.00 (57.70 to 58.70): VN052817.D (-2154) (-)

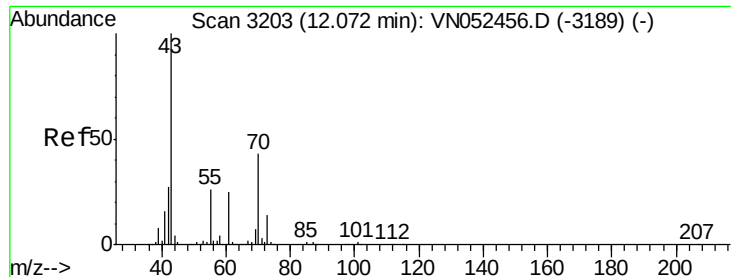


#46
 Methyl methacrylate
 Concen: 18.937 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.5	42.5	127.6	
39	51.3	26.3	78.9	

Abundance Ion 41.00 (40.70 to 41.70): VN052817.D (-2154) (-)
 Ion 69.00 (68.70 to 69.70): VN052817.D (-2154) (-)
 Ion 39.00 (38.70 to 39.70): VN052817.D (-2154) (-)





#47

n-amvl Acetate

Concen: 20.011 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 224768

Ion Ratio Lower Upper

43 100

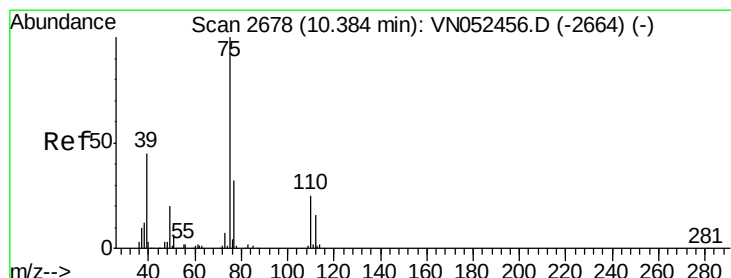
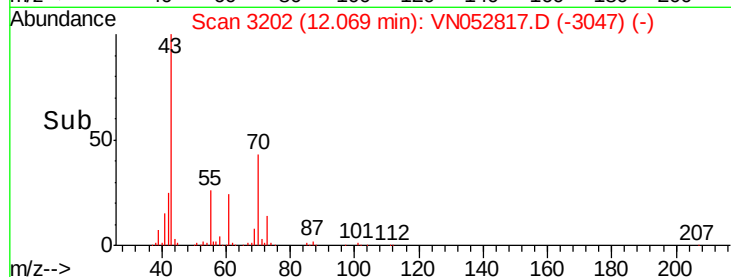
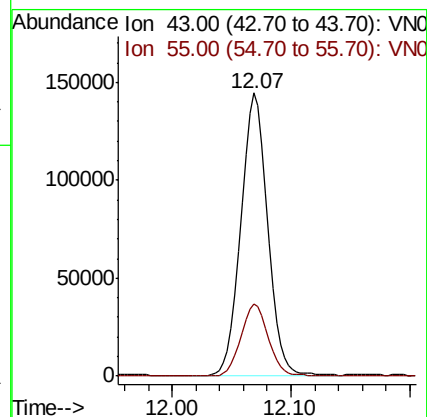
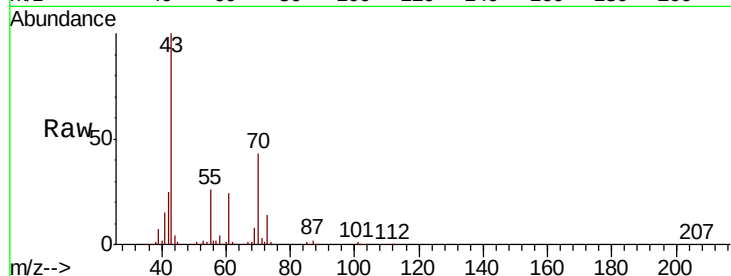
55 26.1 21.1 31.7

Manual Integrations

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12/13/2018 1:29:15 PM



#48

t-1,3-Dichloropropene

Concen: 18.427 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052817.D

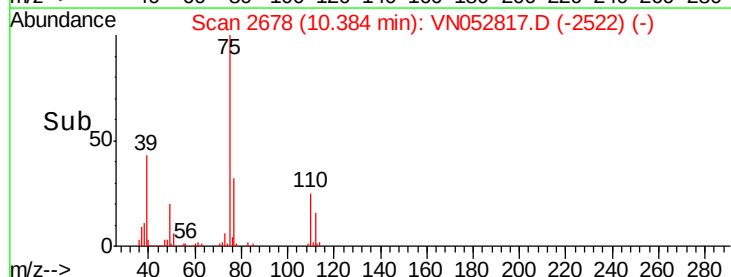
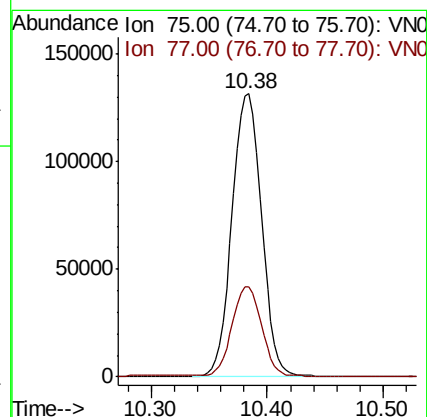
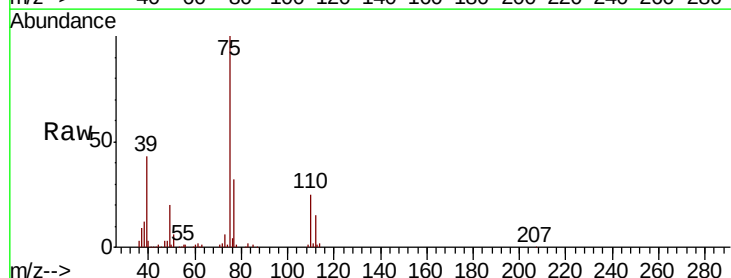
Acq: 12 Dec 2018 10:35

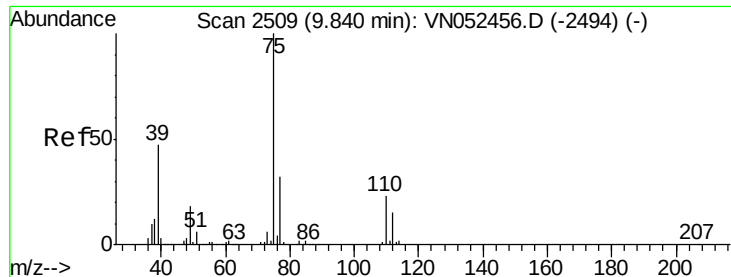
Tgt Ion: 75 Resp: 233387

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4





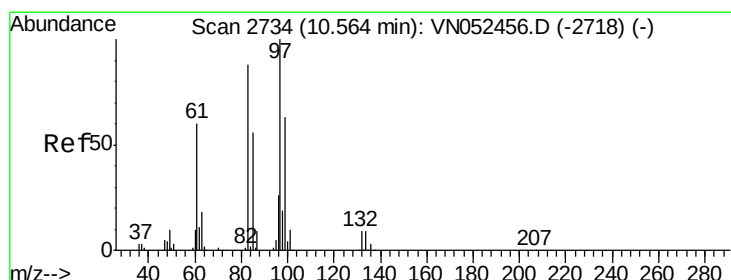
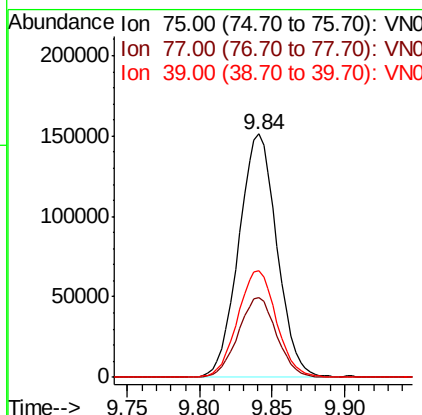
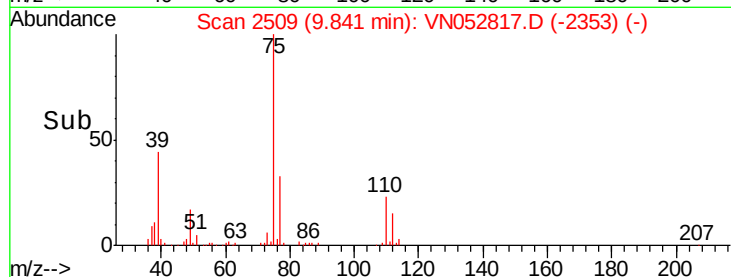
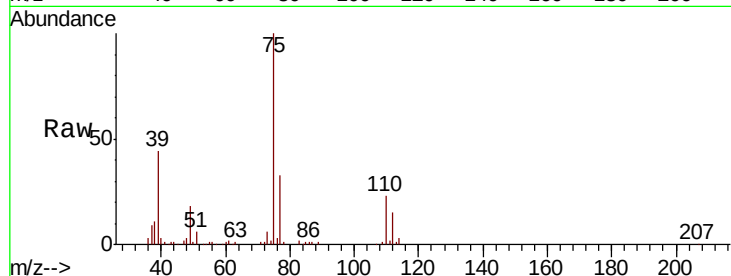
#49
 cis-1,3-Dichloropropene
 Concen: 17.989 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	43.6	37.3	55.9

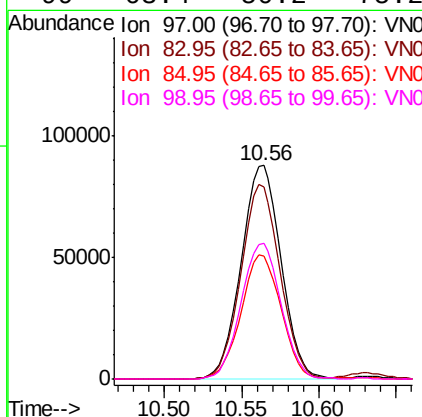
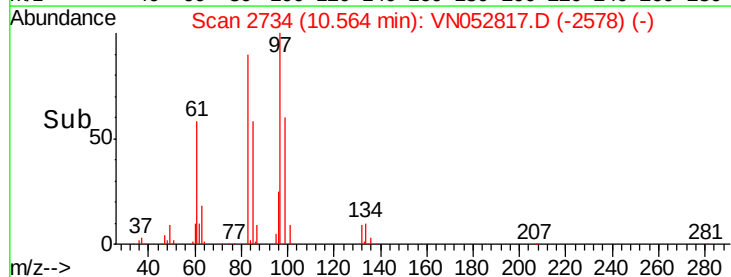
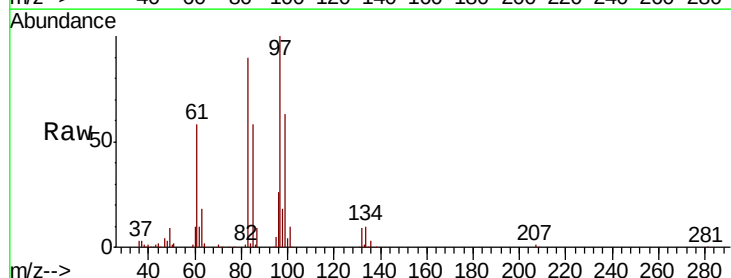
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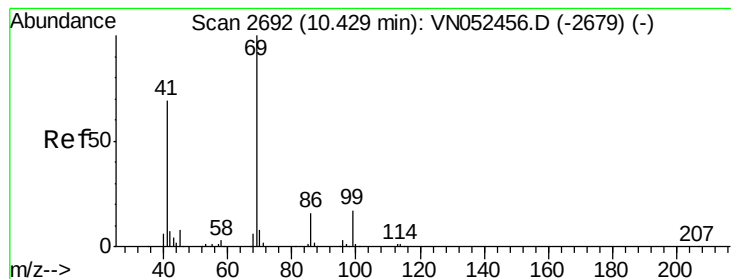
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#50
 1,1,2-Trichloroethane
 Concen: 18.862 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.4	105.6
85	57.8	45.0	67.6
99	63.4	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.341 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

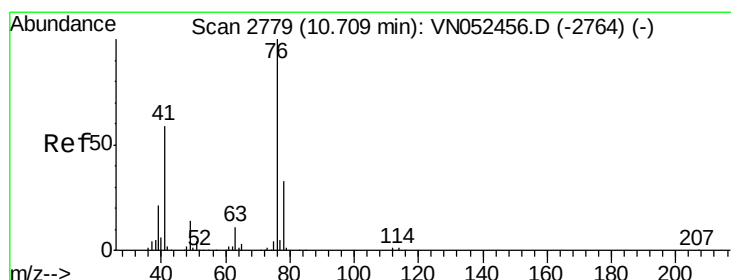
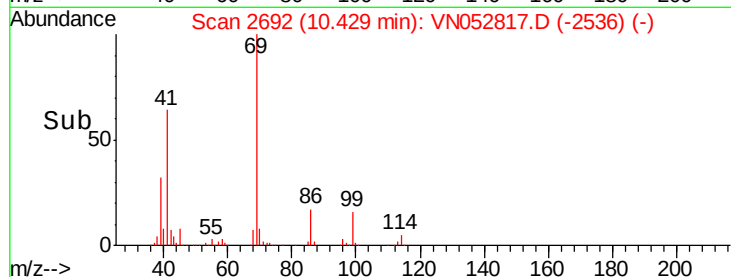
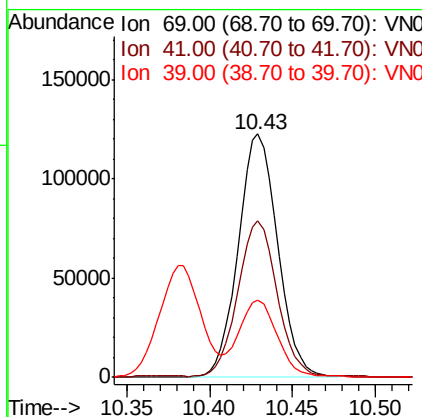
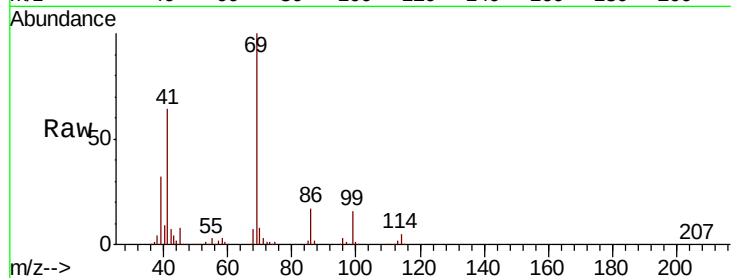
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	203579
Ion Ratio	Lower	Upper	
69	100		
41	63.7	34.4	103.3
39	31.5	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.408 ug/l

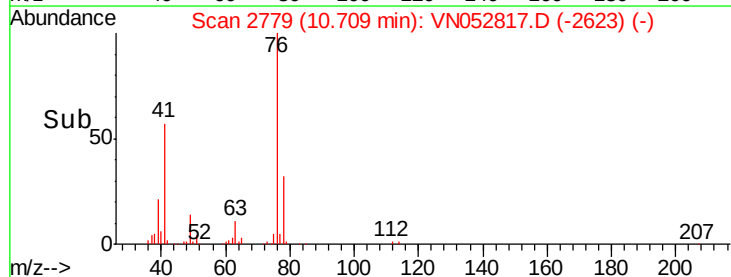
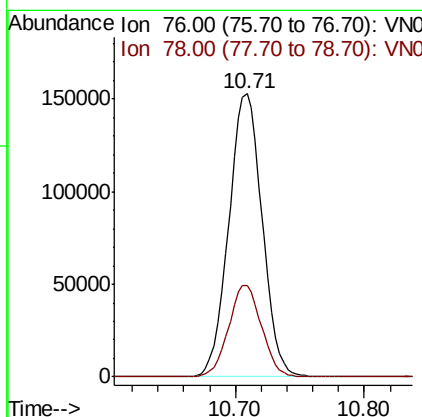
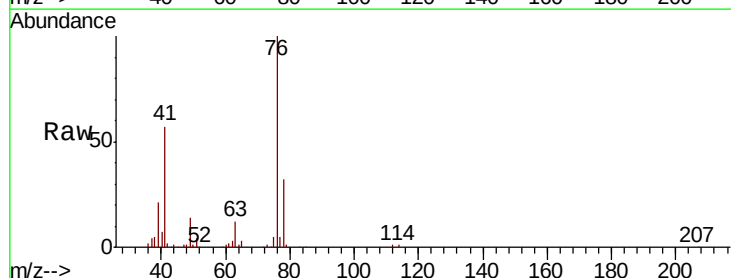
RT: 10.71 min Scan# 2779

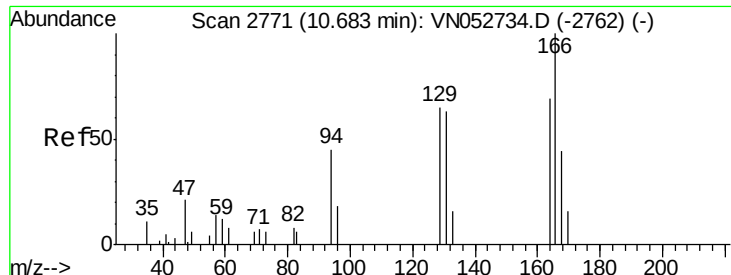
Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Tgt Ion:	76	Resp:	274598
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	64.8





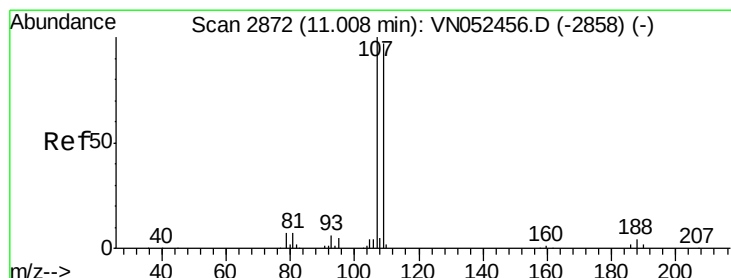
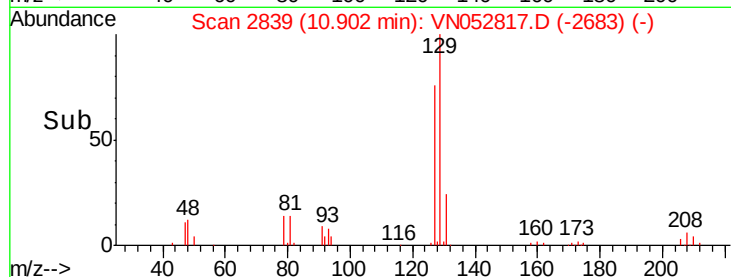
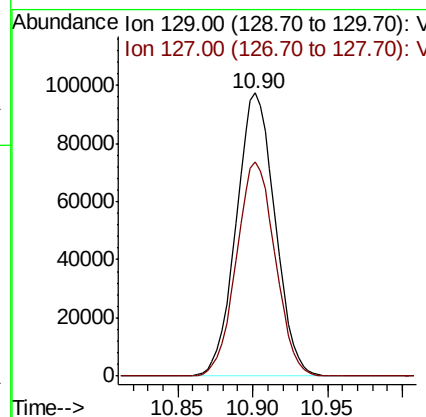
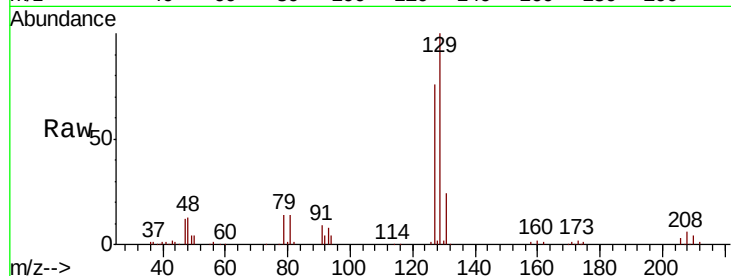
#53
 Dibromochloromethane
 Concen: 19.031 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 175599
 Ion Ratio Lower Upper
 129 100
 127 75.6 37.6 112.8

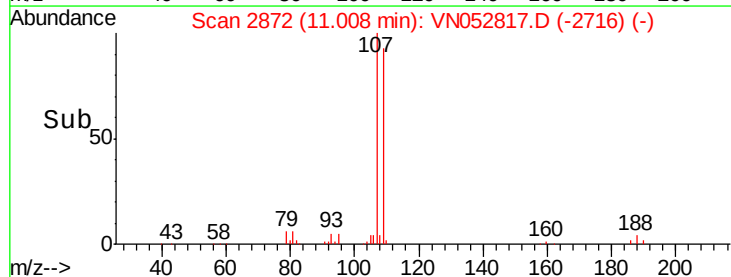
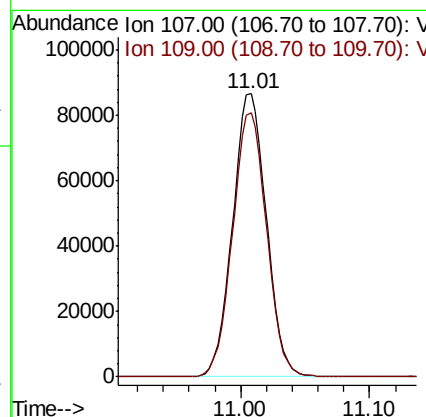
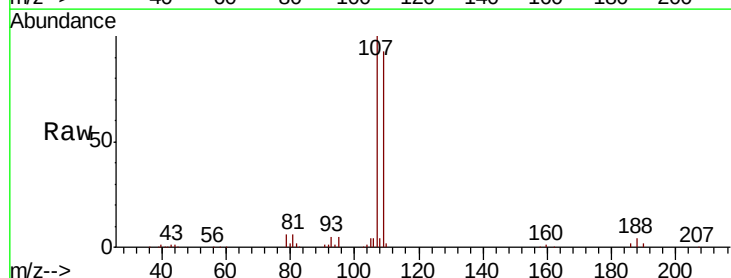
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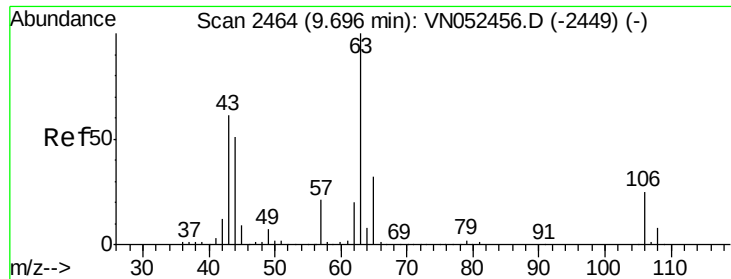
MMDadoda
 12/13/2018 1:29:15 PM



#54
 1,2-Dibromoethane
 Concen: 19.207 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion:107 Resp: 157297
 Ion Ratio Lower Upper
 107 100
 109 94.1 77.1 115.7





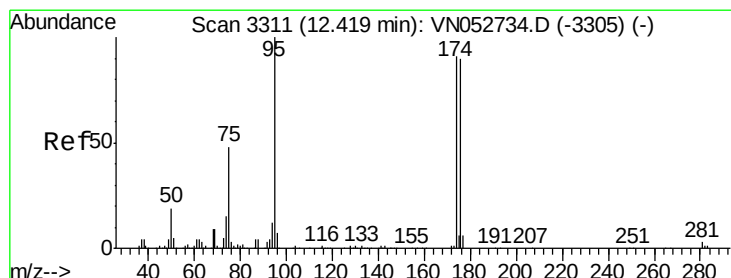
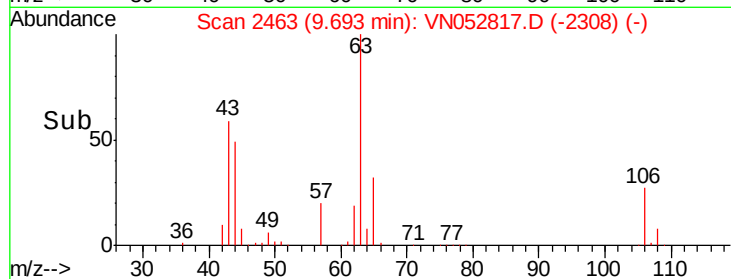
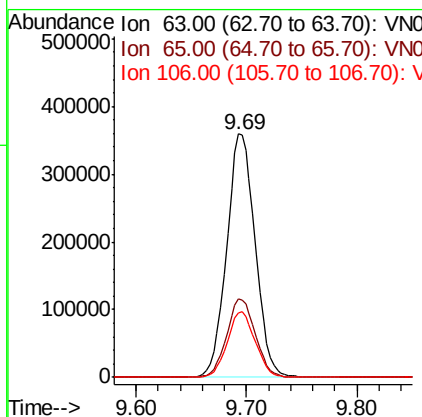
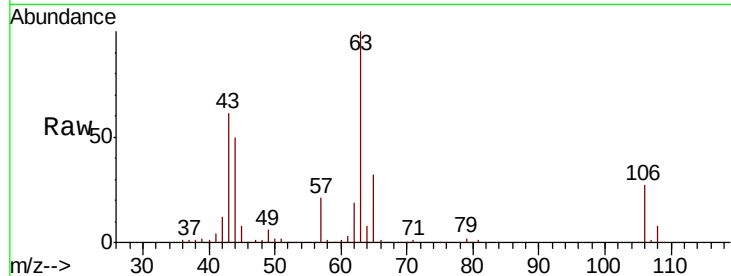
#55
2-Chloroethyl vinyl ether
Concen: 104.200 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	26.7	20.4	30.6

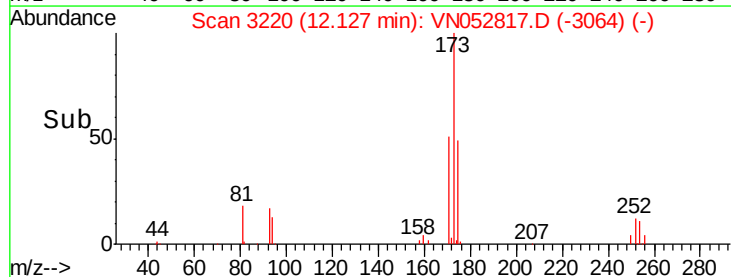
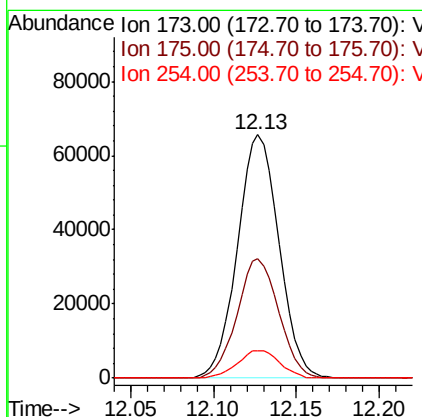
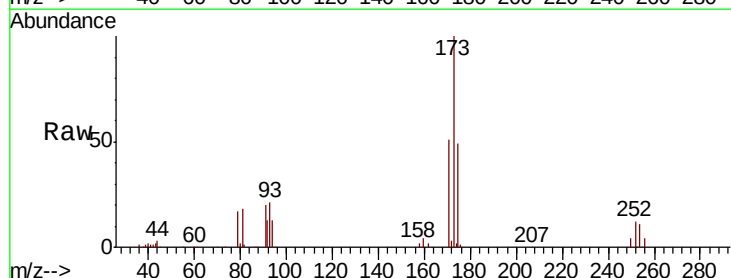
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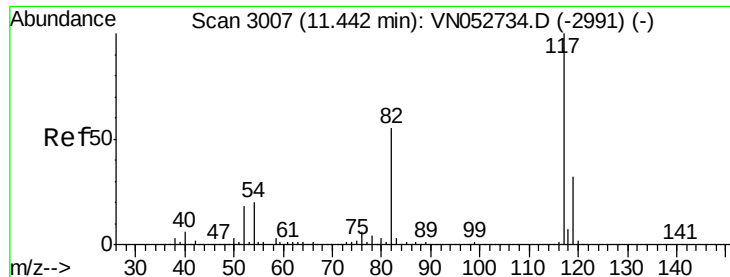
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12/13/2018 1:29:15 PM



#56
Bromoform
Concen: 18.998 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.7	58.1
254	11.6	8.4	12.6





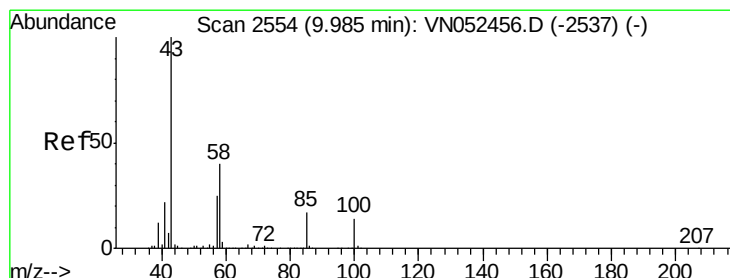
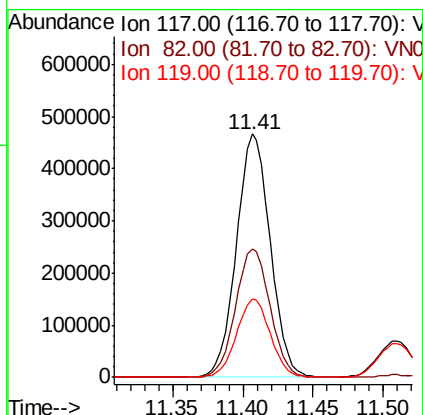
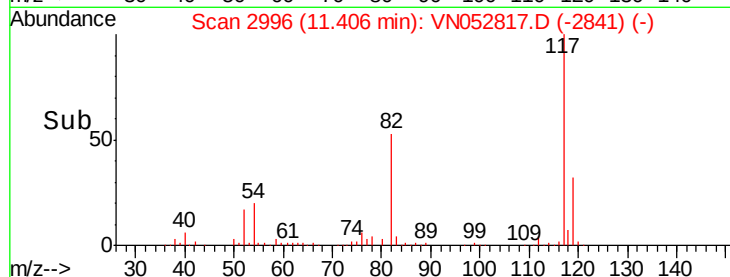
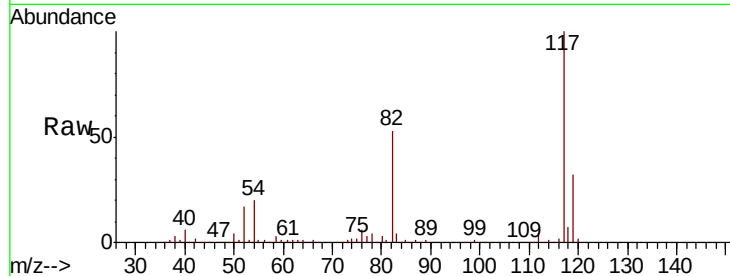
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	32.2	25.4	38.2

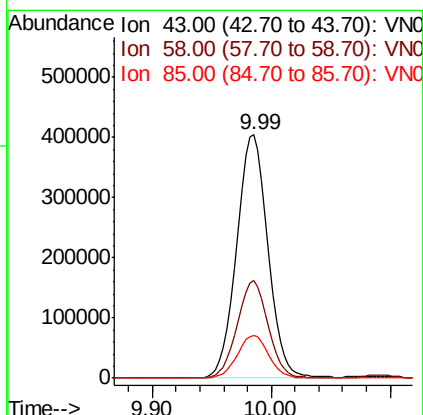
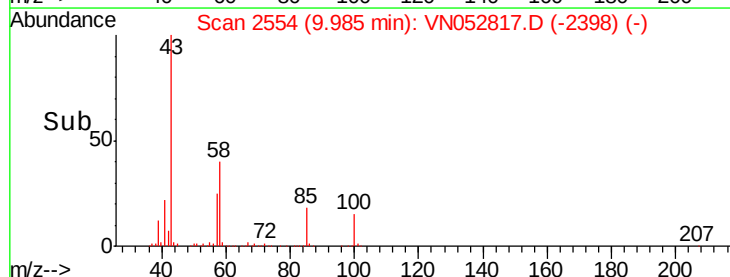
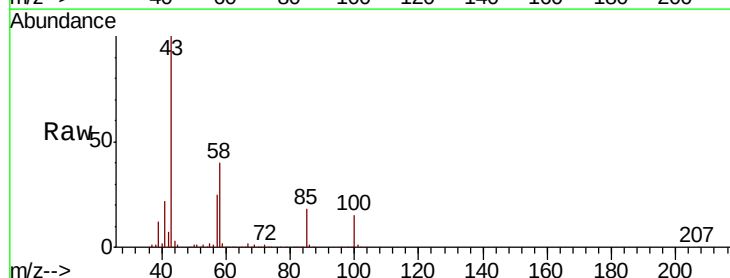
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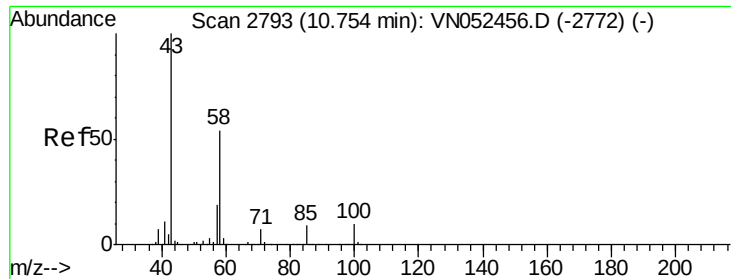
MMDadoda
12/13/2018 1:29:15 PM



#58
4-Methyl-2-Pentanone
Concen: 96.519 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4
85	17.7	13.3	19.9





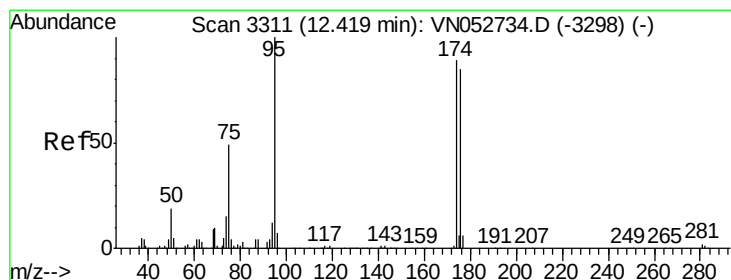
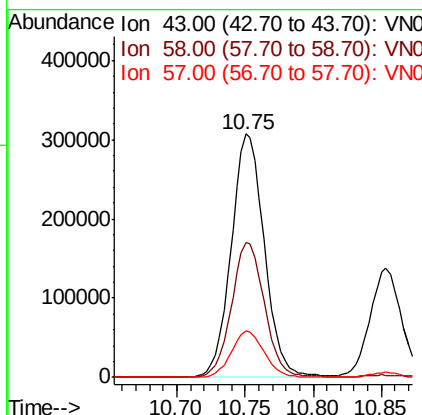
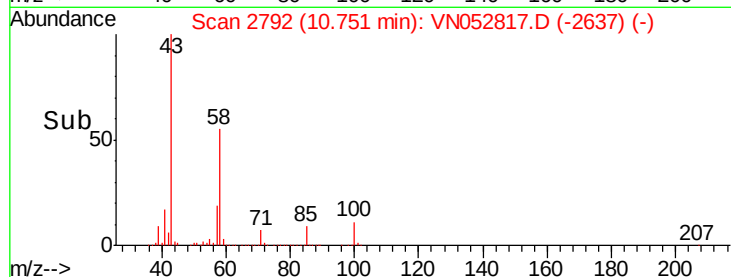
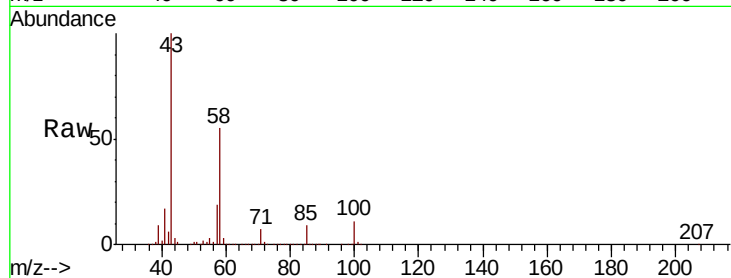
#59
2-Hexanone
Concen: 99.406 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.2	64.8
57	18.9	14.9	22.3

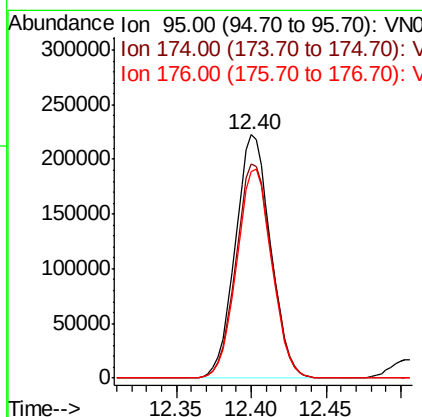
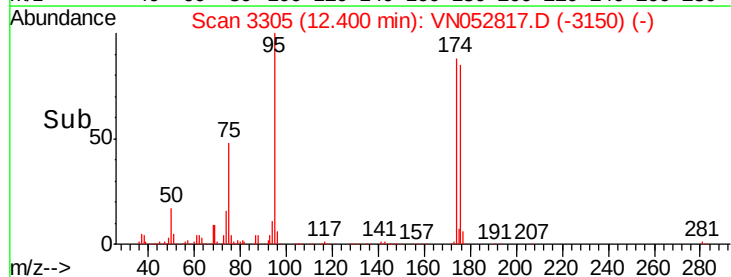
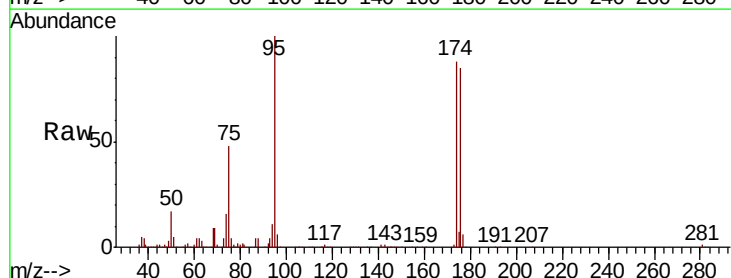
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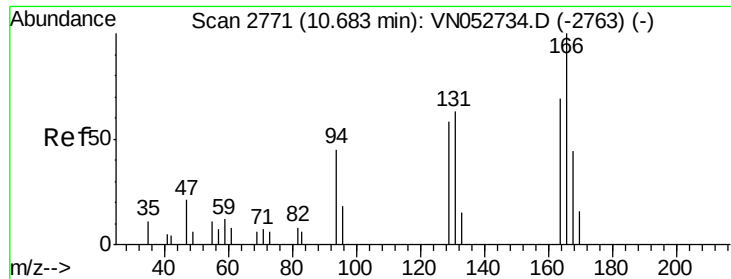
MMDadoda
12/13/2018 1:29:15 PM



#60
4-Bromofluorobenzene
Concen: 99.406 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	67.9	101.9
176	86.0	66.4	99.6





#61

Tetrachloroethene

Concen: 21.514 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 207952

Ion Ratio Lower Upper

164 100

166 129.1 104.6 157.0

129 89.2 75.3 112.9

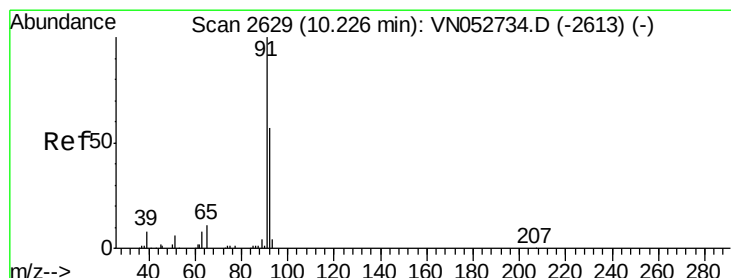
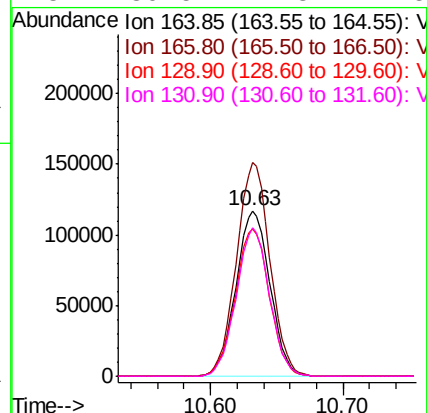
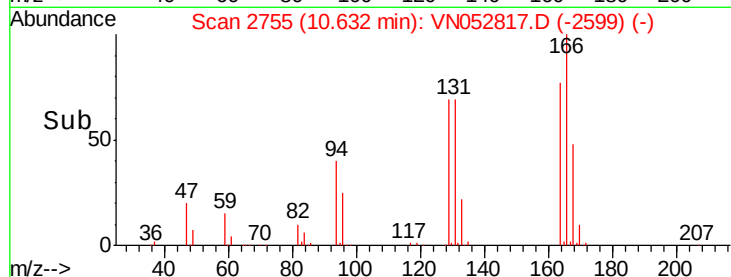
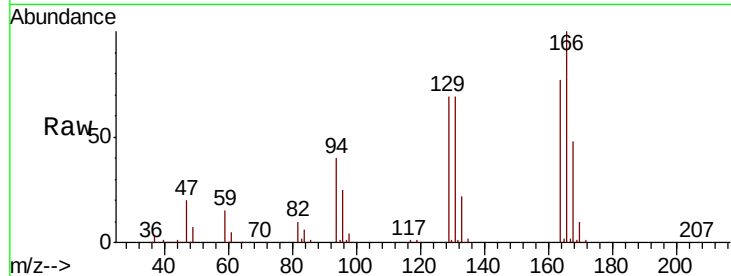
131 89.5 74.3 111.5

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12/13/2018 1:29:15 PM



#62

Toluene

Concen: 18.094 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052817.D

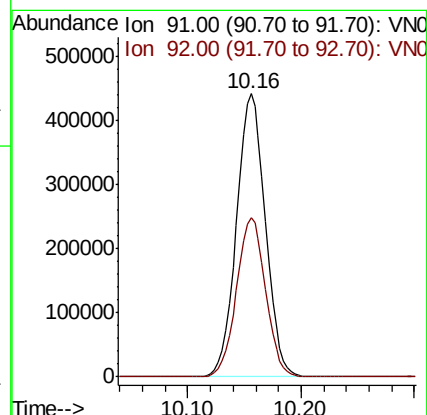
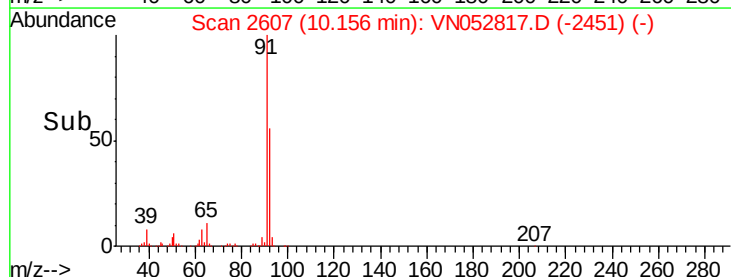
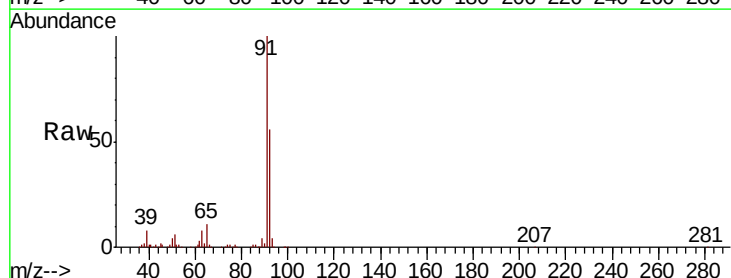
Acq: 12 Dec 2018 10:35

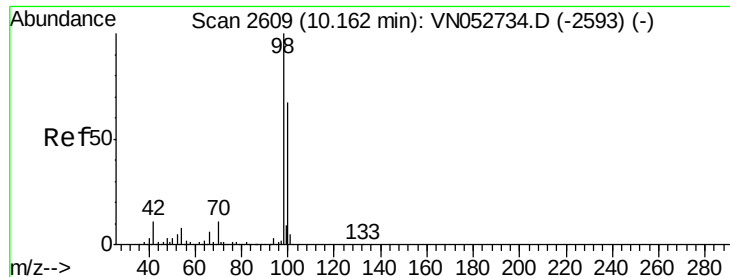
Tgt Ion: 91 Resp: 782788

Ion Ratio Lower Upper

91 100

92 56.7 45.4 68.2





#63

Toluene-d8

Concen: 18.094 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 1061799

Ion Ratio Lower Upper

98 100

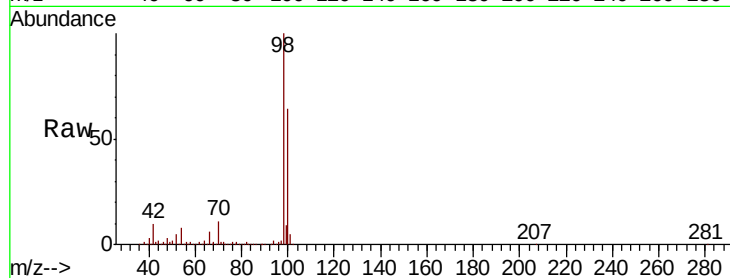
100 63.8 51.1 76.7

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN052817.D (-2593) (-)

Ion 100.00 (99.70 to 100.70): VN052817.D (-2593) (-)

10.09

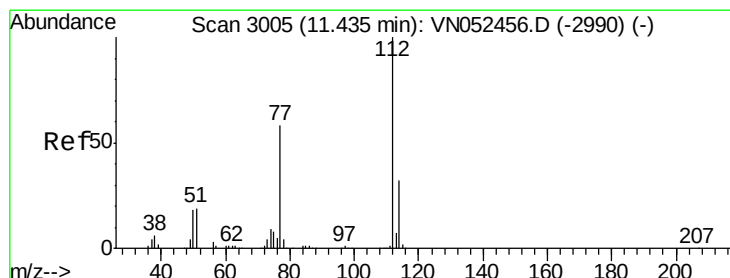
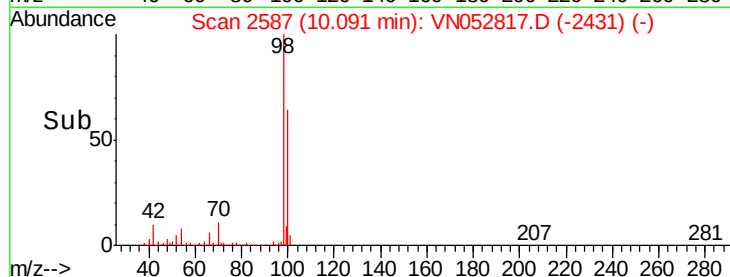
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 18.664 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052817.D

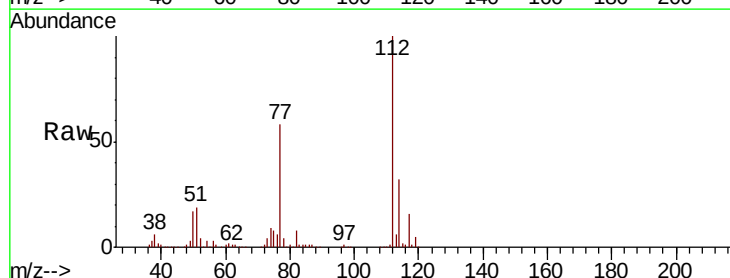
Acq: 12 Dec 2018 10:35

Tgt Ion: 112 Resp: 492861

Ion Ratio Lower Upper

112 100

114 31.7 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052817.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN052817.D (-2849) (-)

11.43

300000

250000

200000

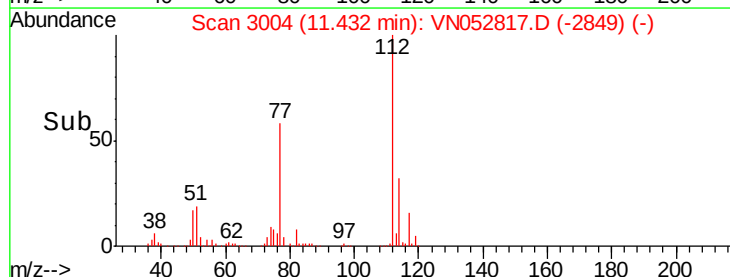
150000

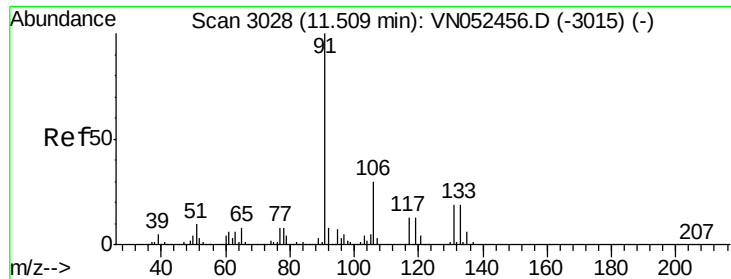
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.102 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

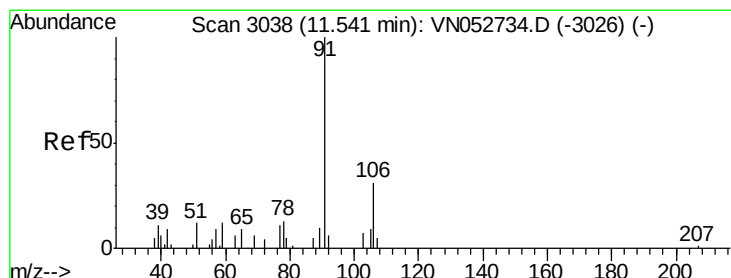
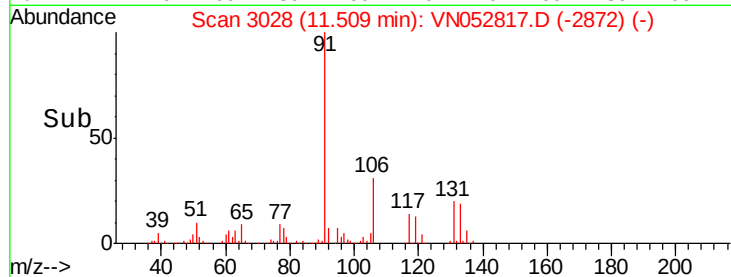
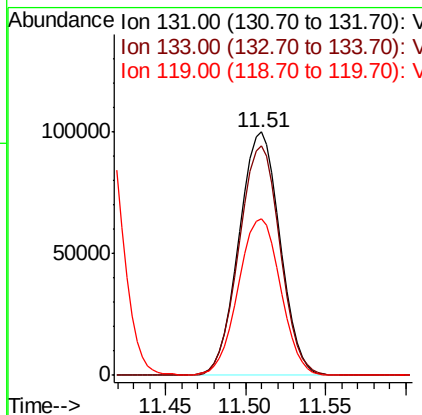
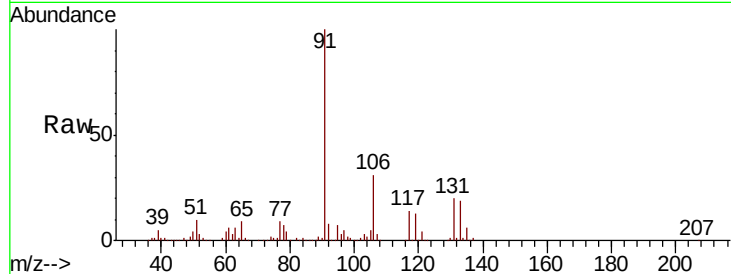
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	175090
Ion Ratio	Lower	Upper	
131	100		
133	94.7	0.0	193.4
119	66.2	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.229 ug/l

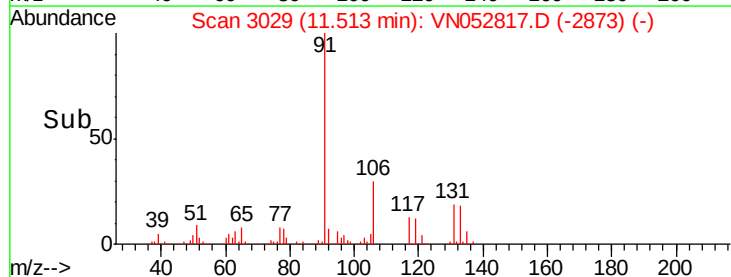
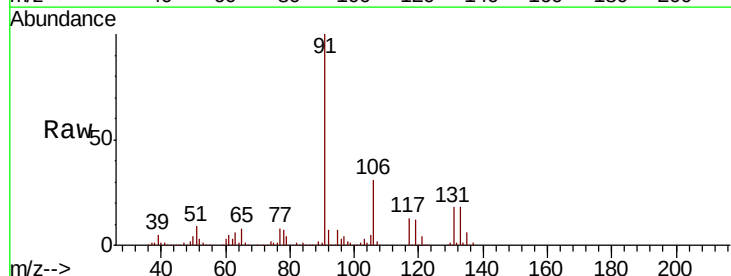
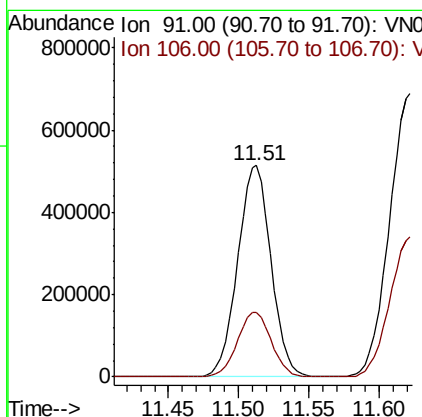
RT: 11.51 min Scan# 3029

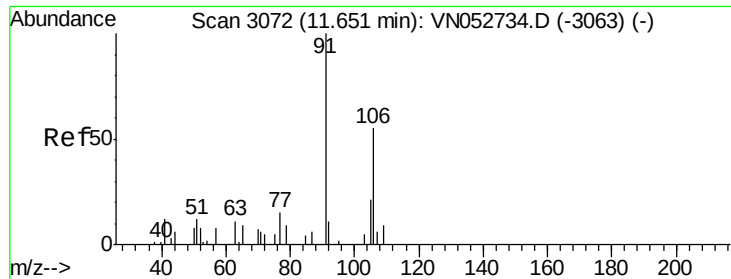
Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Tgt Ion:	91	Resp:	850000
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.3	36.5





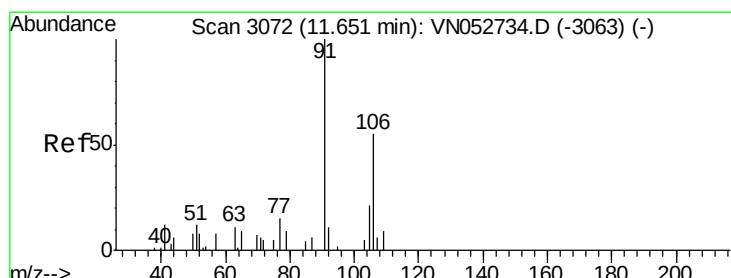
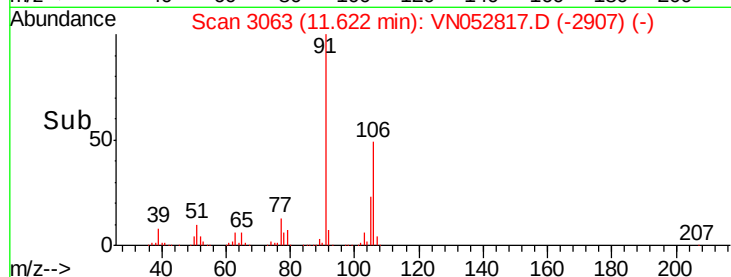
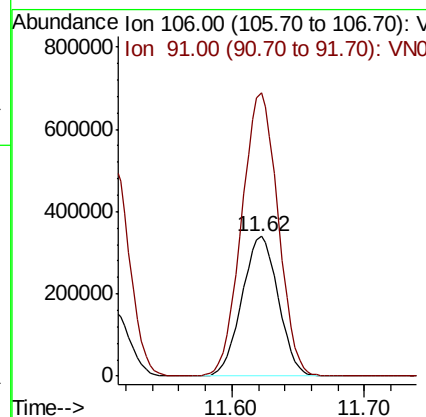
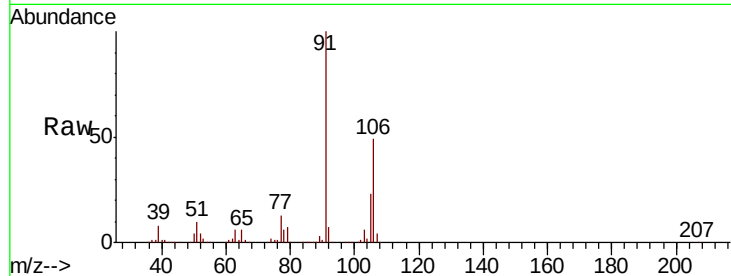
#67
m/p-Xylenes
Concen: 37.266 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		647365		
91	202.8	163.9	245.9		

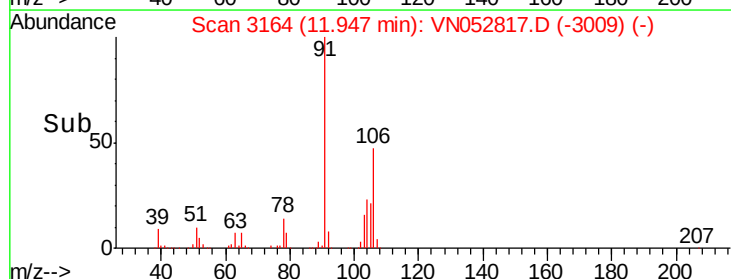
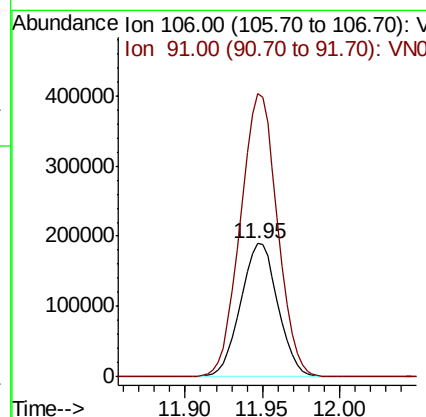
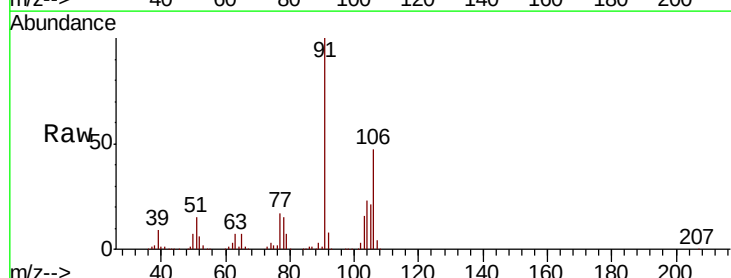
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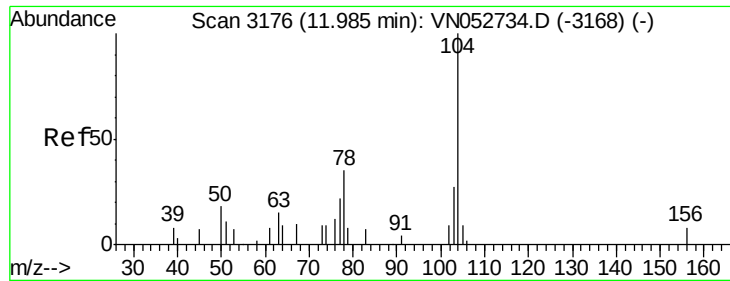
MMDadoda
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#68
o-Xylene
Concen: 18.806 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		317082		
91	211.7	107.8	323.4		





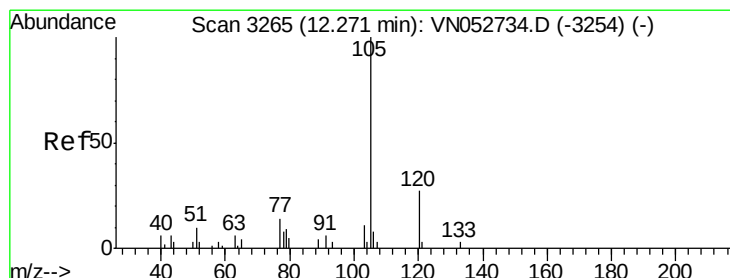
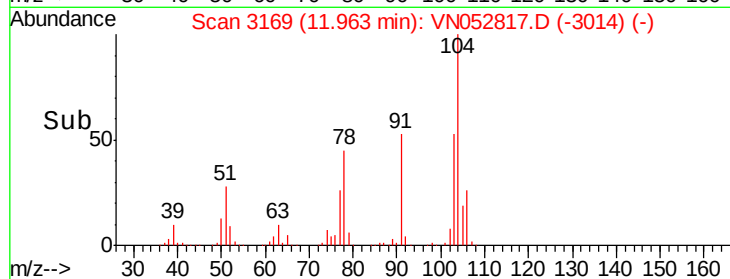
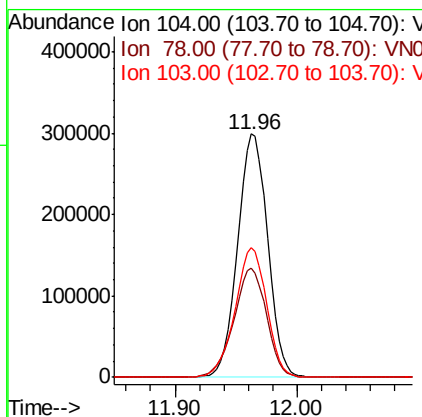
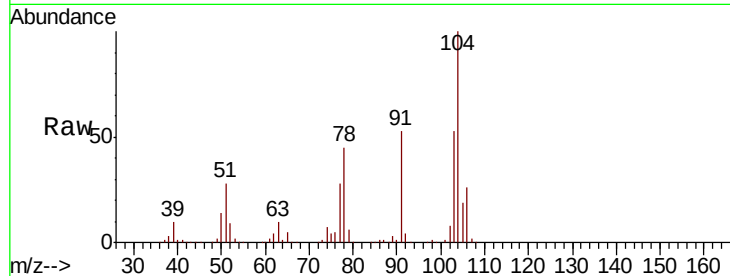
#69
Stvrene
Concen: 18.666 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.3	58.9
103	56.1	44.6	66.8

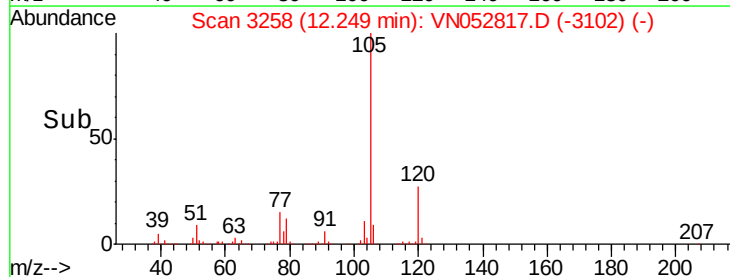
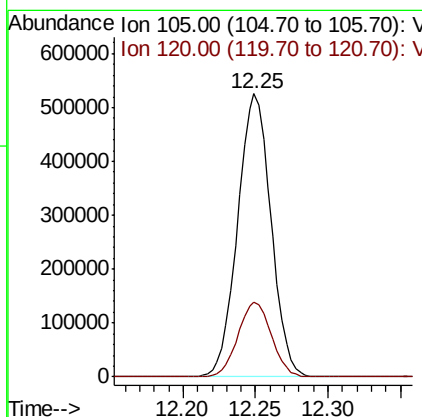
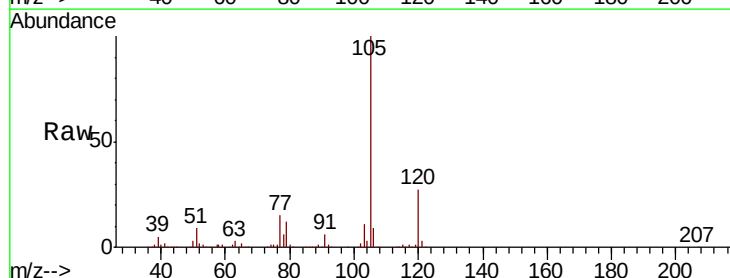
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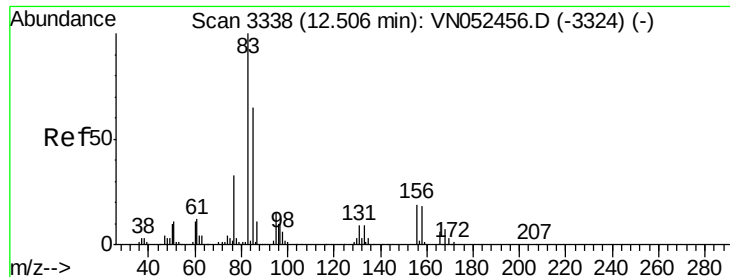
MMDadoda
12/13/2018 1:29:15 PM



#70
Isopropylbenzene
Concen: 18.702 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.6





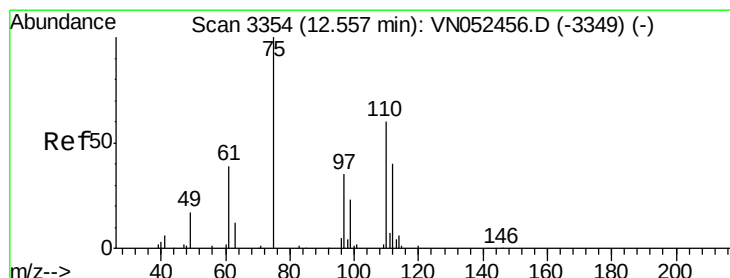
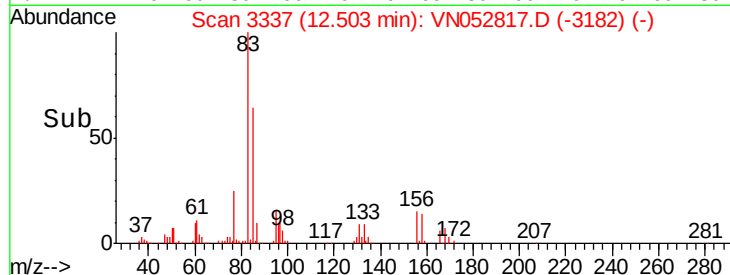
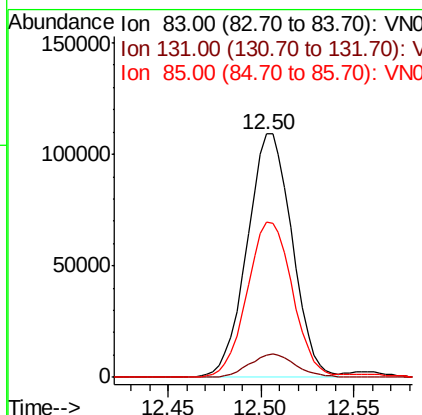
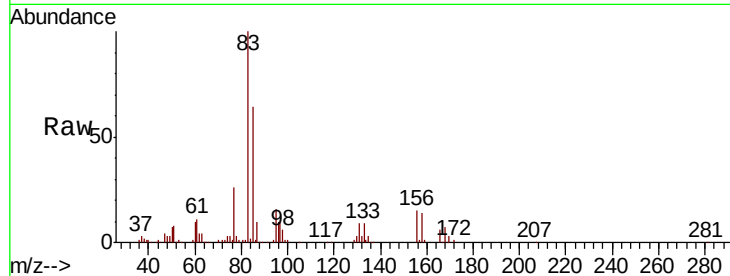
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.863 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	184079		
131	9.9	4.9	14.6	
85	64.3	32.2	96.6	

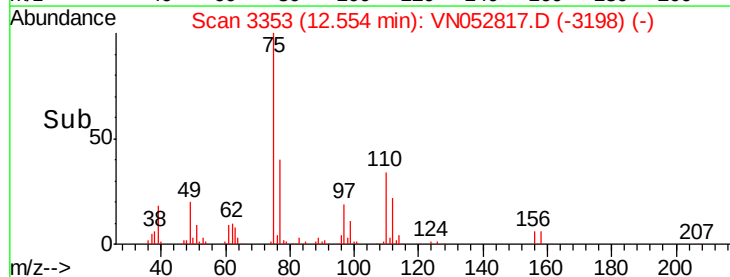
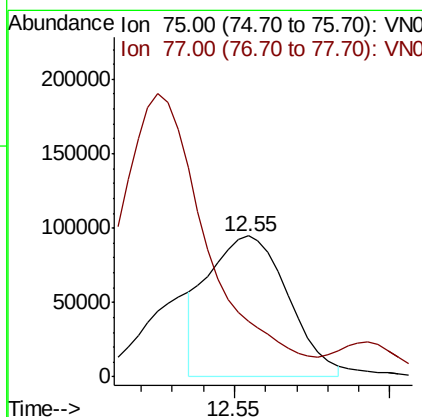
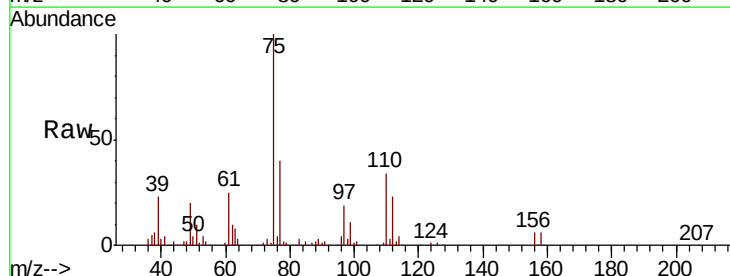
Manual Integrations
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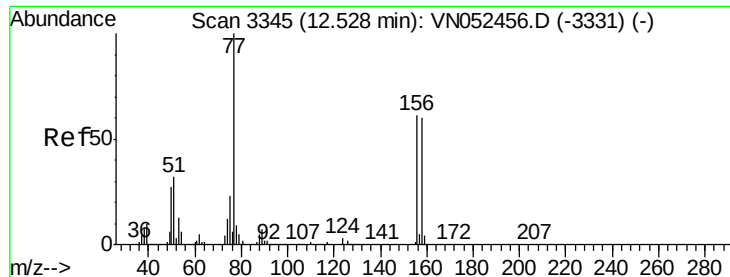
MMDadoda
 12/13/2018 1:29:15 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.227 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169445		
77	225.1	0.0	514.8	





#73

Bromobenzene

Concen: 19.595 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

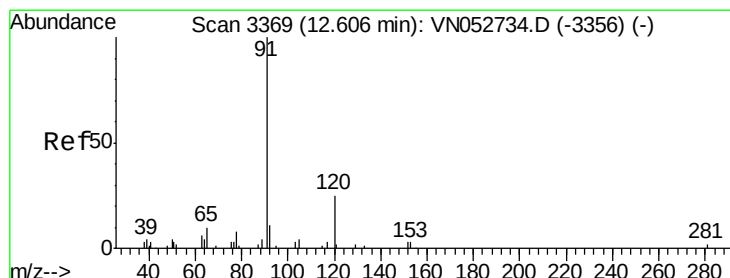
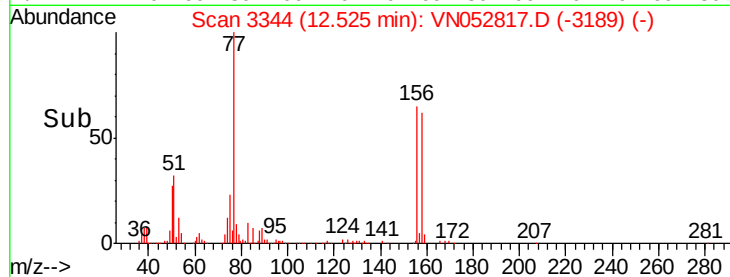
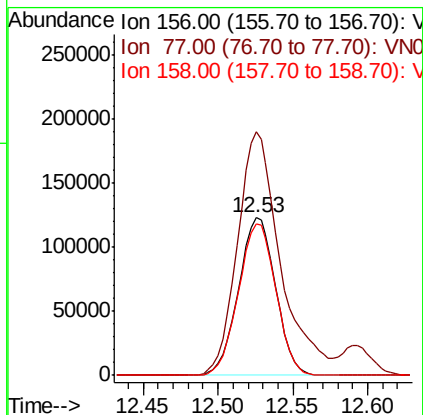
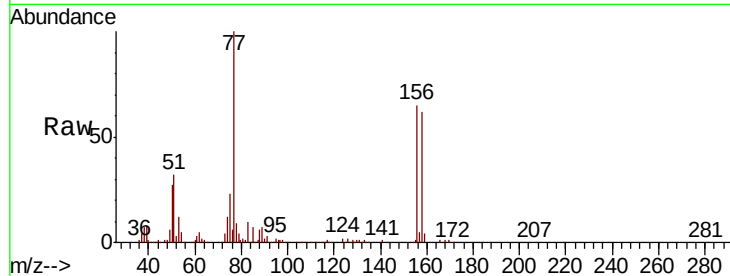
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	212601
Ion Ratio	Lower	Upper	
156	100		
77	179.4	0.0	382.6
158	97.1	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 18.529 ug/l

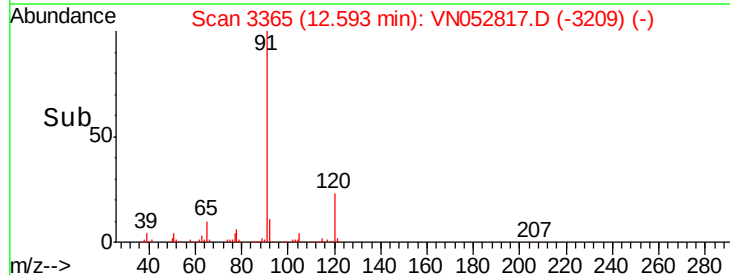
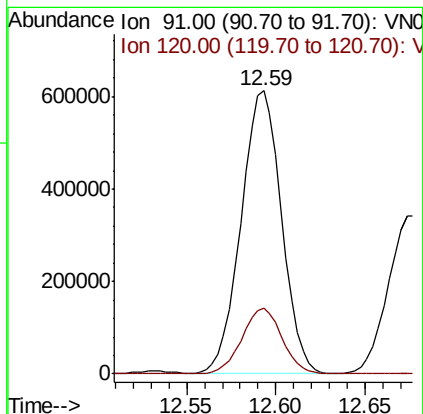
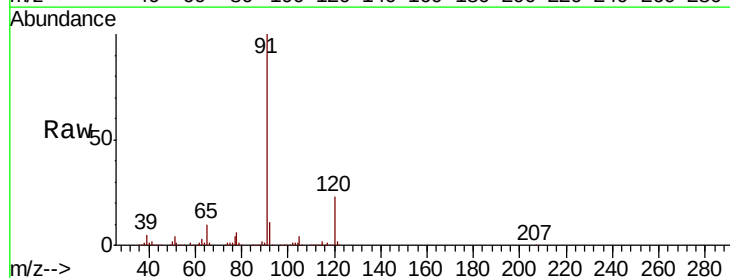
RT: 12.59 min Scan# 3365

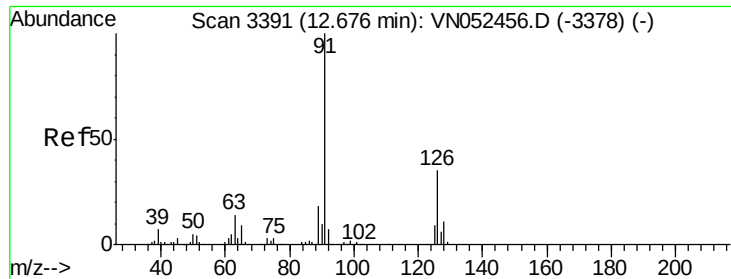
Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Tgt Ion:	91	Resp:	968490
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	44.6





#75

2-Chlorotoluene

Concen: 18.858 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 572144

Ion Ratio Lower Upper

91 100

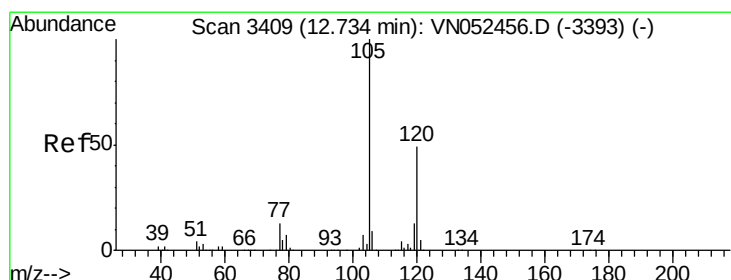
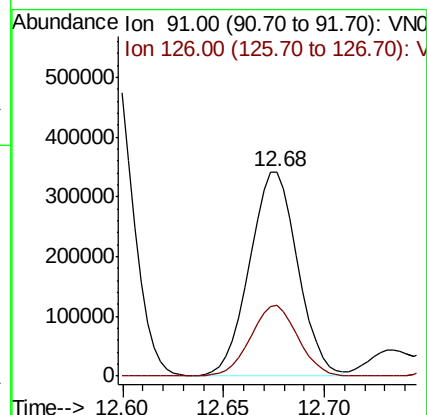
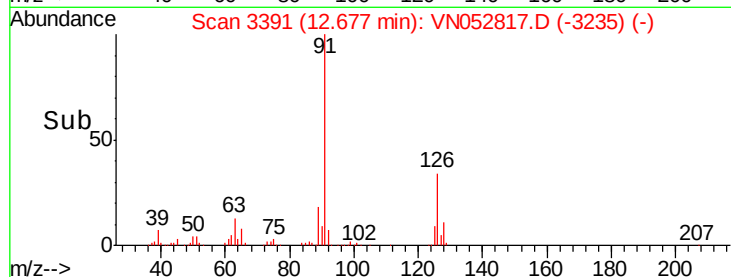
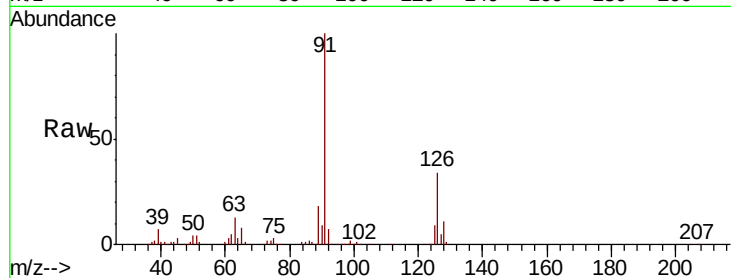
126 34.1 0.0 68.4

Manual Integrations

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12/13/2018 1:29:15 PM



#76

1,3,5-Trimethylbenzene

Concen: 18.901 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052817.D

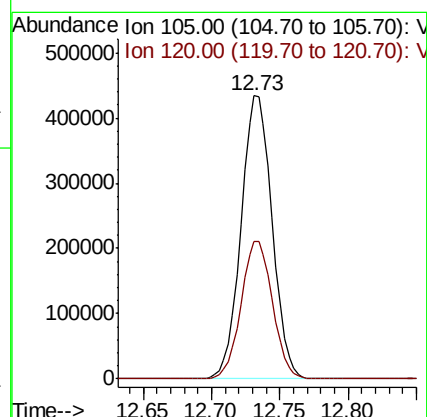
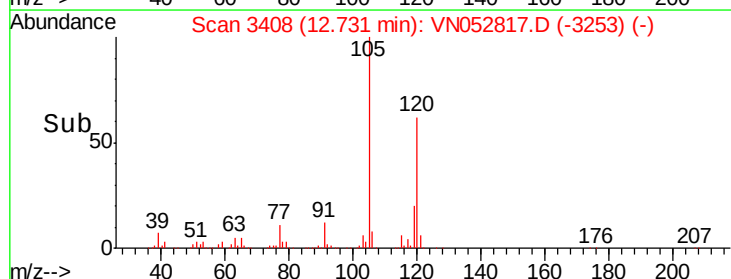
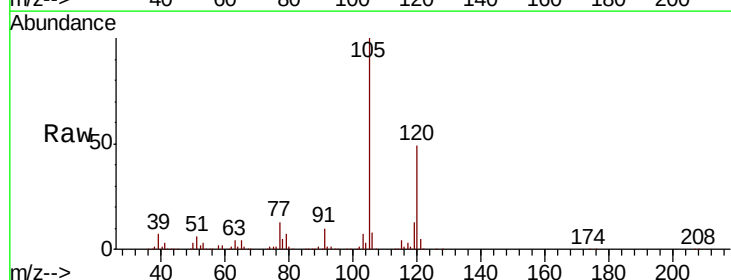
Acq: 12 Dec 2018 10:35

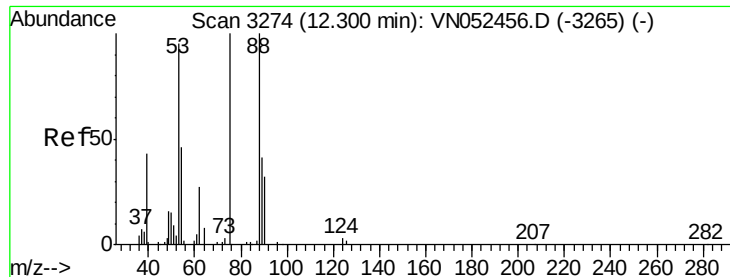
Tgt Ion: 105 Resp: 684873

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 18.446 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

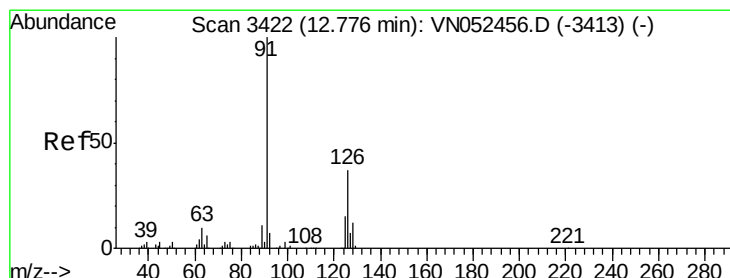
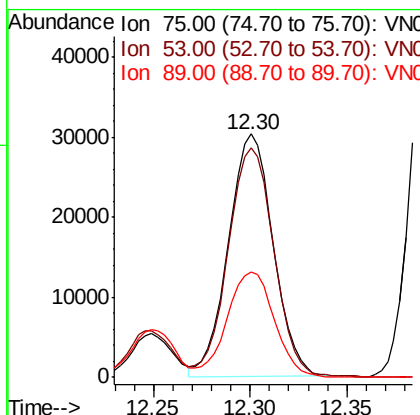
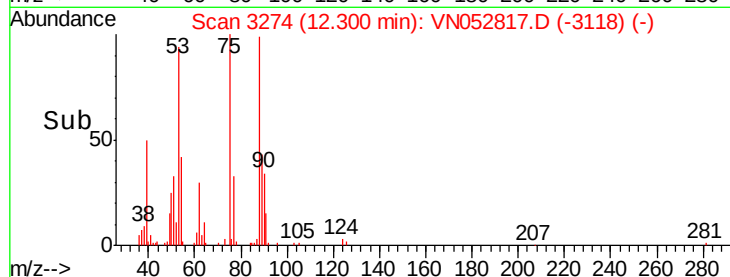
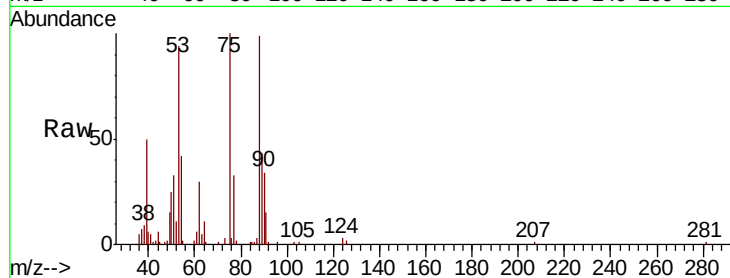
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	48814
Ion	Ratio	Lower	Upper
75	100		
53	94.0	48.5	145.6
89	43.3	21.7	65.1

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#78

4-Chlorotoluene

Concen: 18.790 ug/l

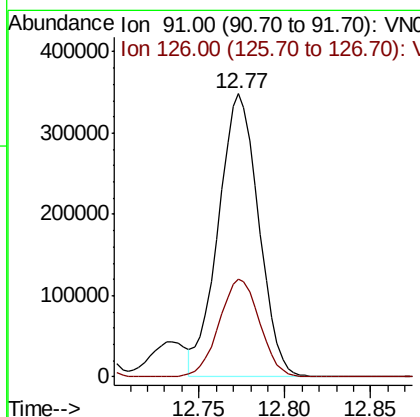
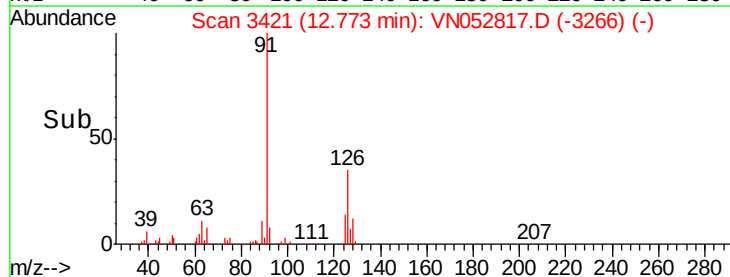
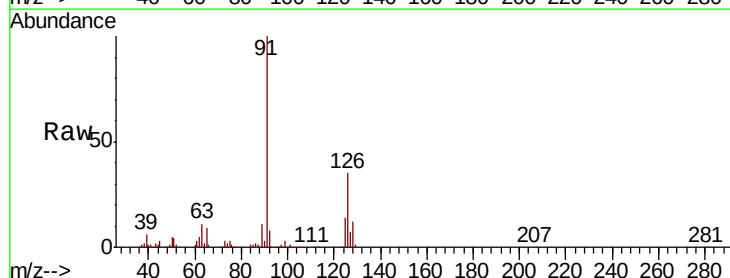
RT: 12.77 min Scan# 3421

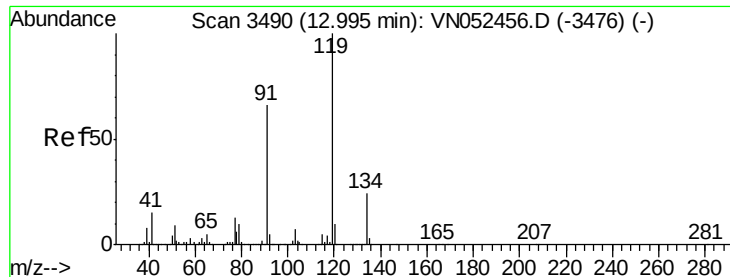
Delta R.T. -0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Tgt Ion:	91	Resp:	569316
Ion	Ratio	Lower	Upper
91	100		
126	34.8	0.0	68.2





#79

tert-butylbenzene

Concen: 19.298 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

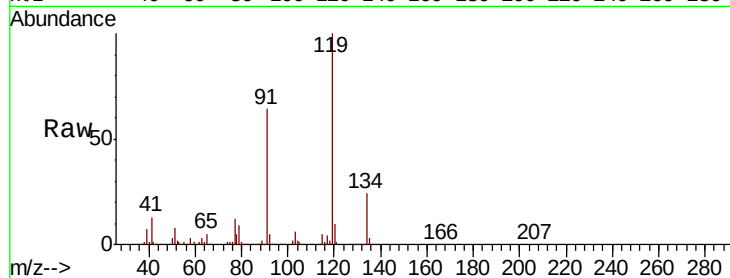
ClientSampleId :

VSTDCCC020

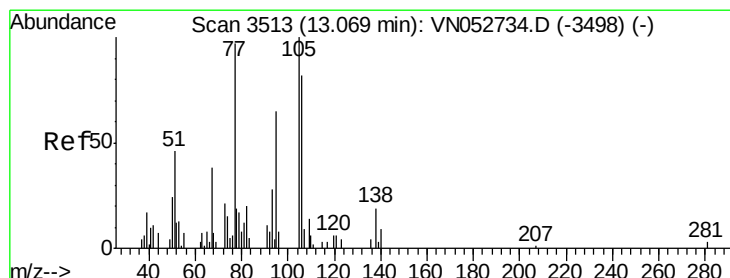
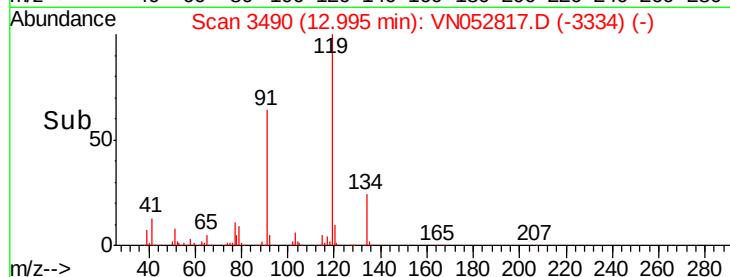
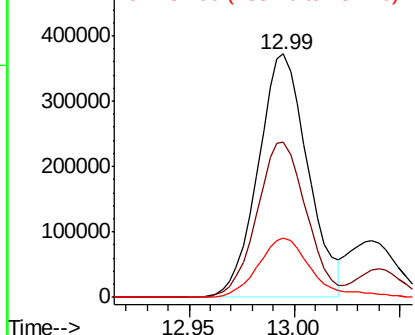
Tot Ion:	119	Resp:	608973
Ion Ratio	Lower	Upper	
119	100		
91	63.9	0.0	129.8
134	26.3	0.0	52.2

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 18.992 ug/l

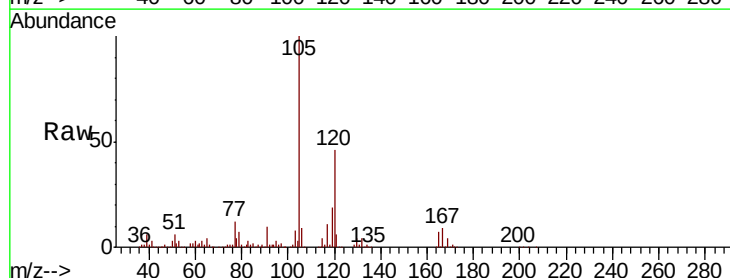
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

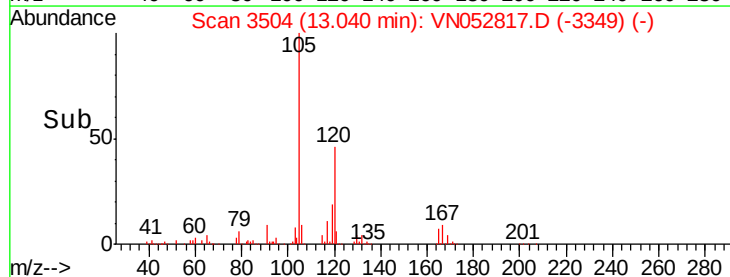
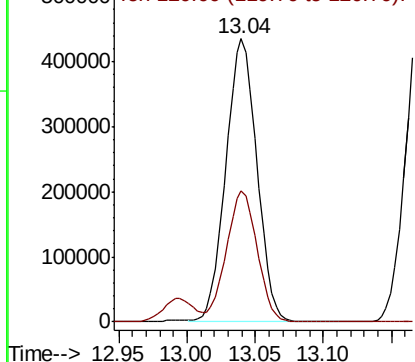
Lab File: VN052817.D

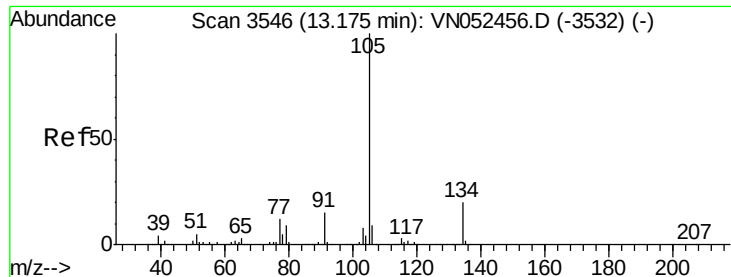
Acq: 12 Dec 2018 10:35

Tgt Ion:	105	Resp:	688603
Ion Ratio	Lower	Upper	
105	100		
120	46.1	0.0	91.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 18.998 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 835011

Ion Ratio Lower Upper

105 100

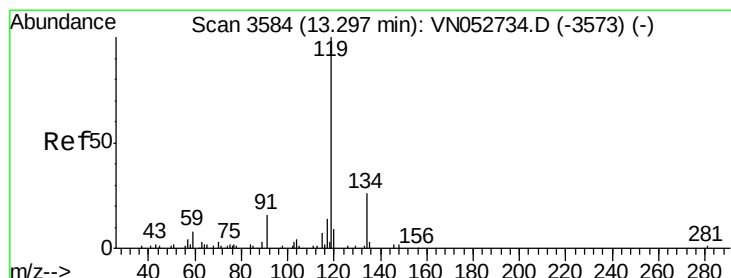
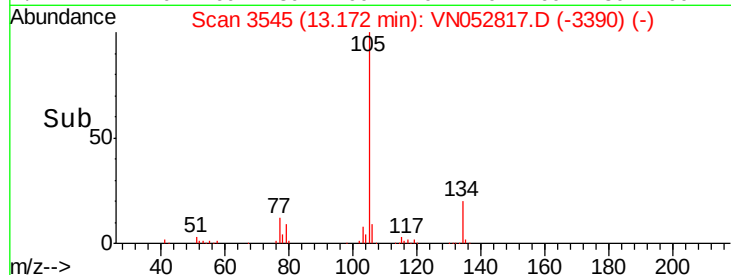
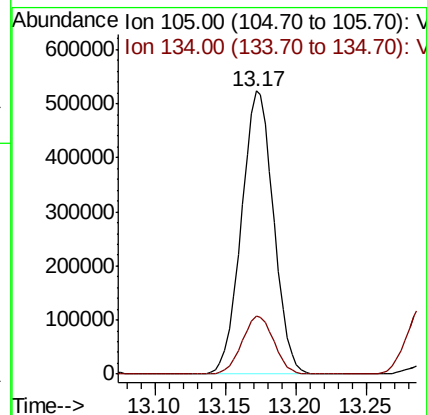
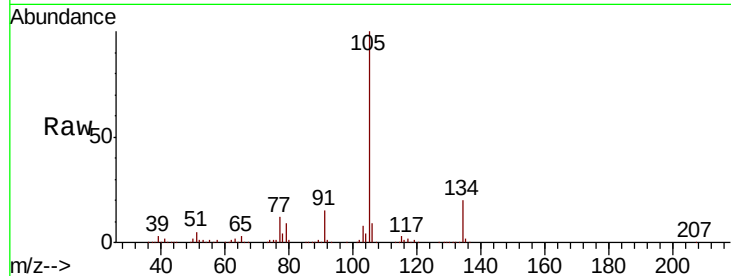
134 20.4 0.0 40.4

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#82

p-Isopropyltoluene

Concen: 19.173 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

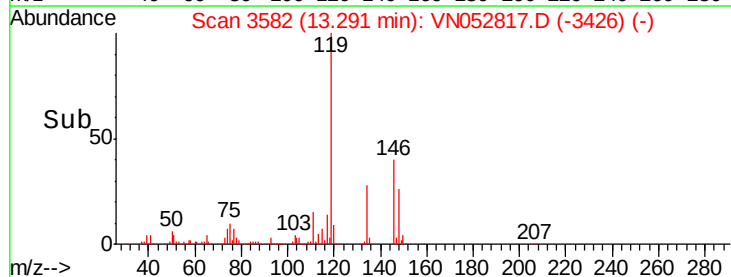
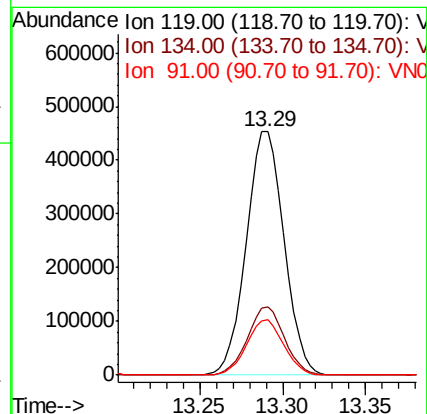
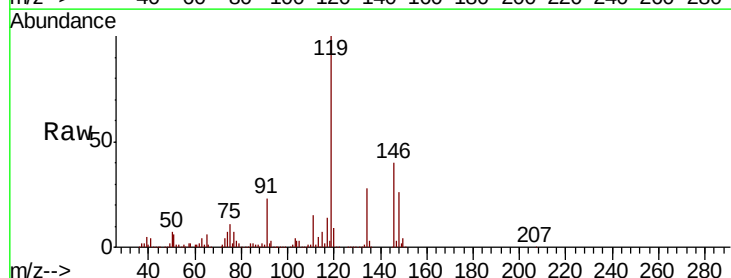
Tgt Ion:119 Resp: 717586

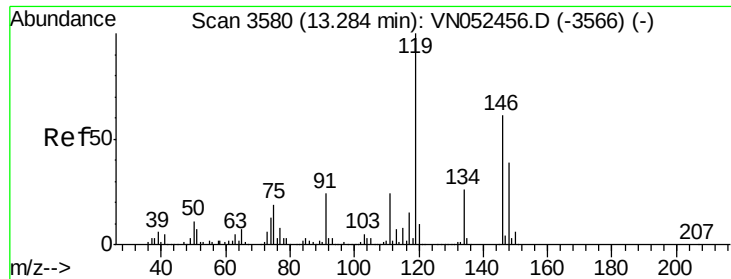
Ion Ratio Lower Upper

119 100

134 27.2 0.0 52.6

91 22.4 0.0 46.2





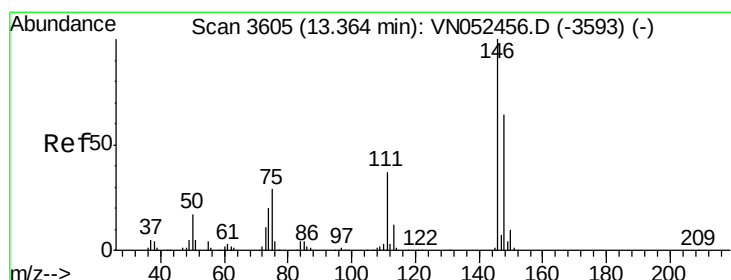
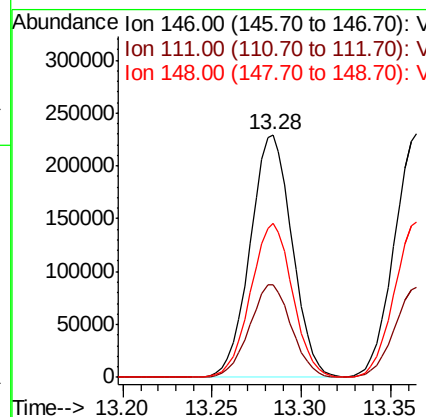
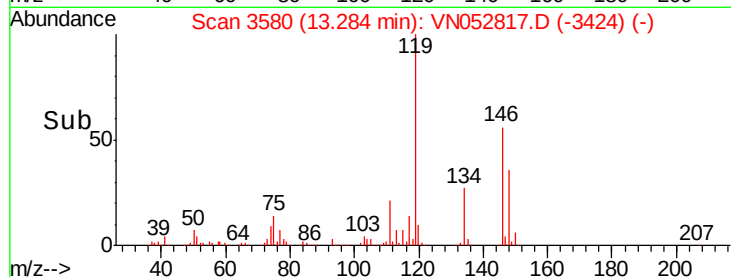
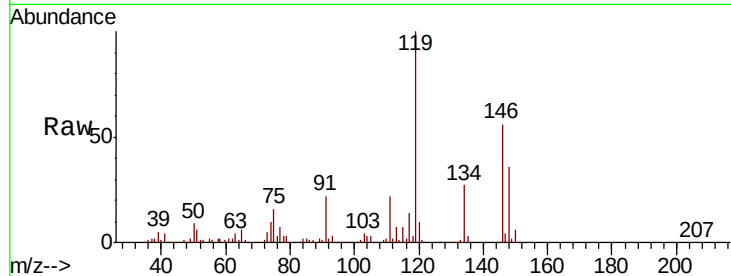
#83
 1,3-Dichlorobenzene
 Concen: 19.787 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	63.3	32.3	96.8

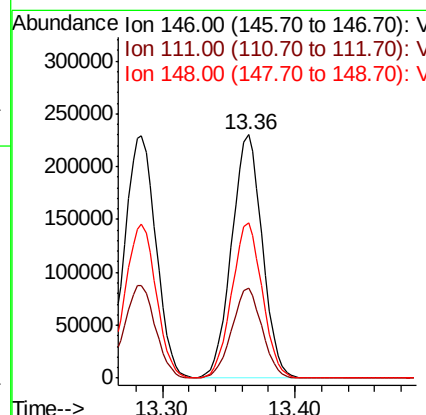
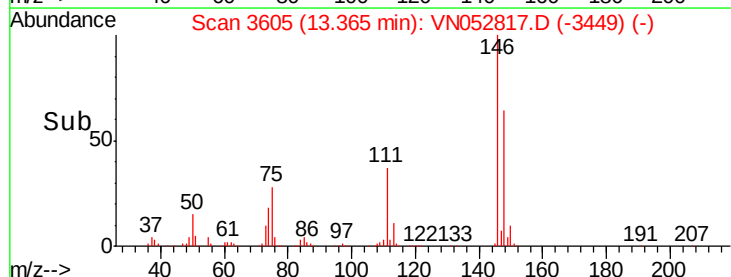
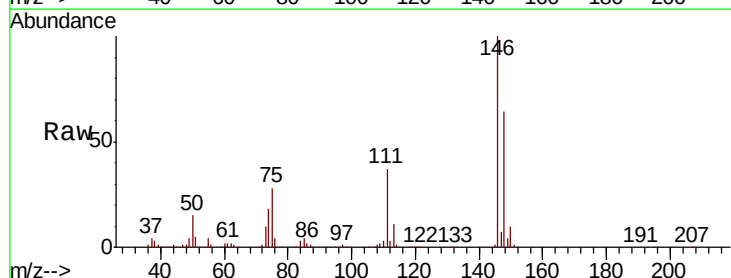
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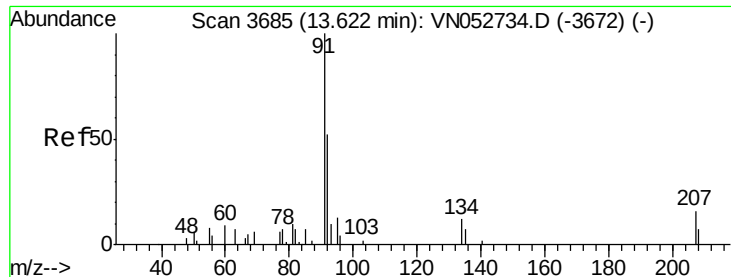
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#84
 1,4-Dichlorobenzene
 Concen: 20.038 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	63.5	32.5	97.4





#85

n-Butylbenzene

Concen: 18.388 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Instrument :

MSVOA_N

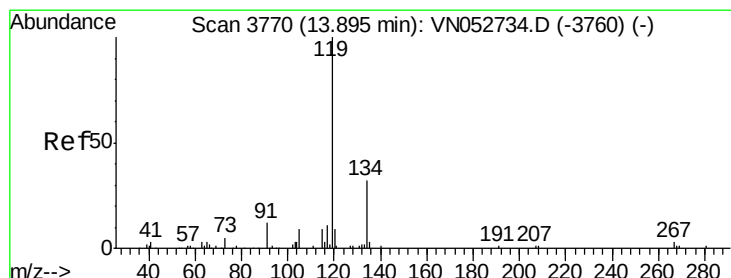
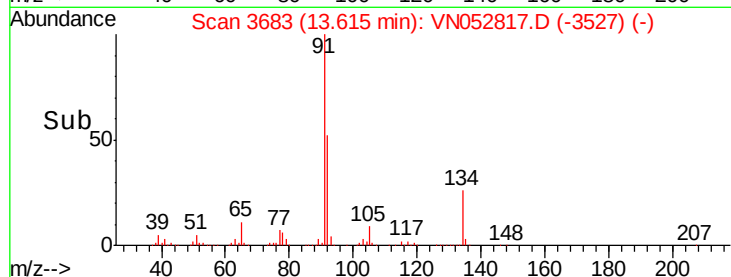
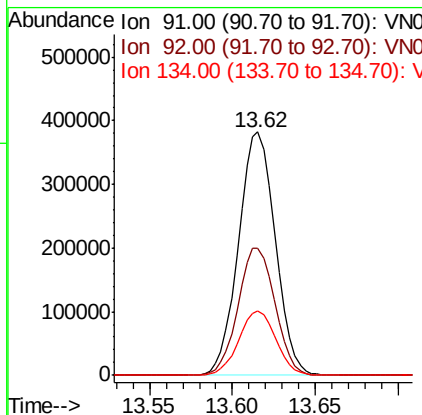
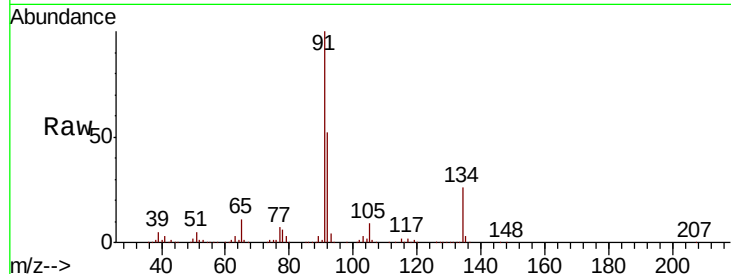
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	591164
Ion	Ratio	Lower	Upper
91	100		
92	52.6	0.0	104.2
134	26.7	0.0	50.6

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#86

Hexachloroethane

Concen: 18.091 ug/l

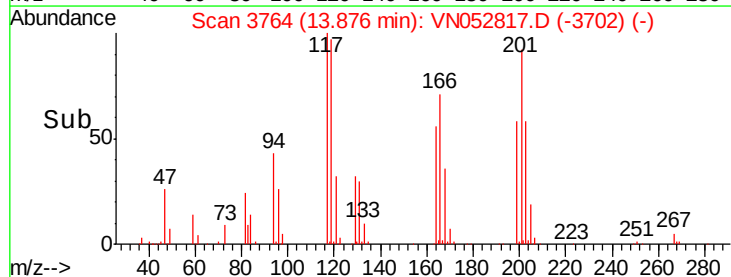
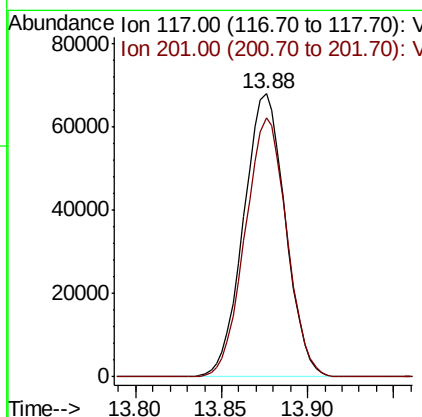
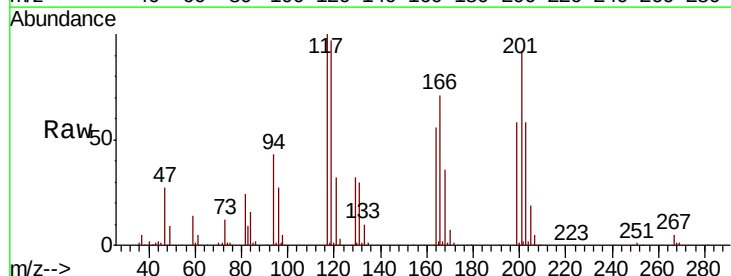
RT: 13.88 min Scan# 3764

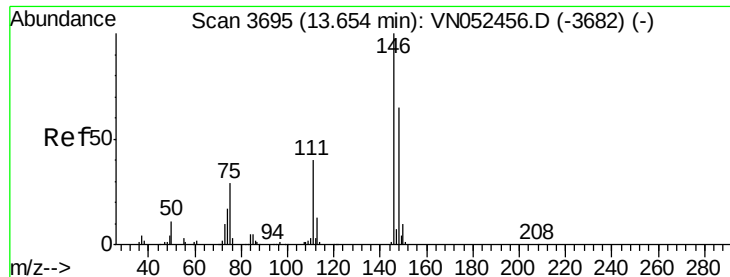
Delta R.T. 0.00 min

Lab File: VN052817.D

Acq: 12 Dec 2018 10:35

Tgt Ion:	117	Resp:	114726
Ion	Ratio	Lower	Upper
117	100		
201	91.1	43.8	131.3





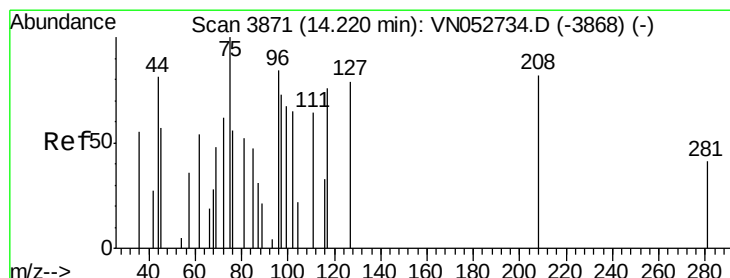
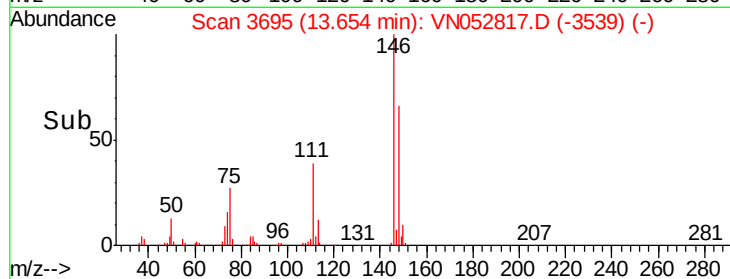
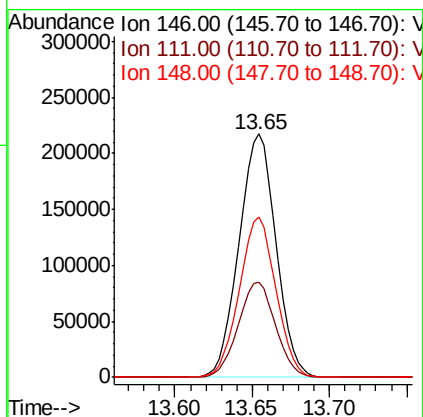
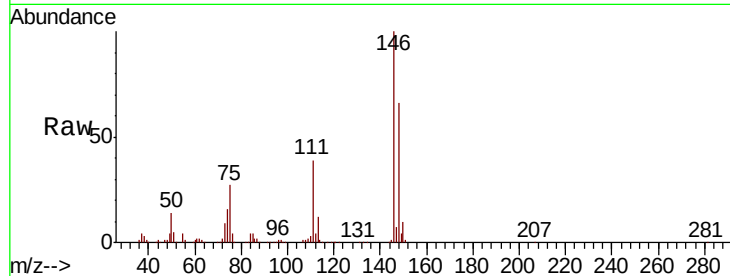
#87
 1,2-Dichlorobenzene
 Concen: 19.914 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100				
111	39.2	20.3	60.8		
148	65.2	32.1	96.5		

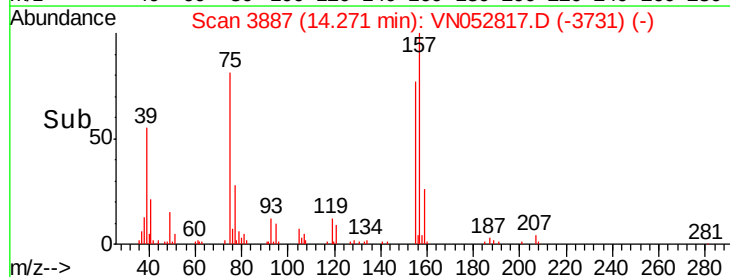
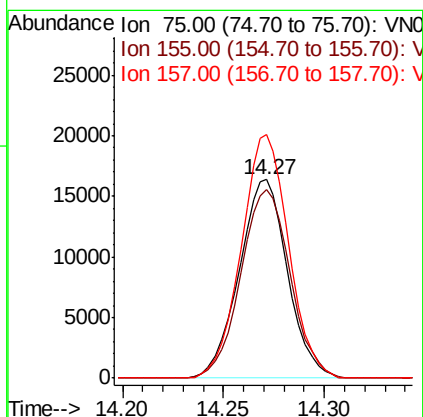
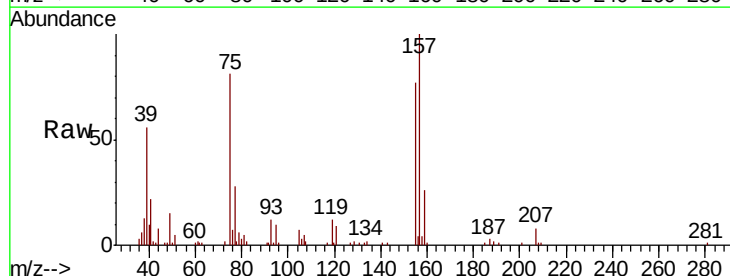
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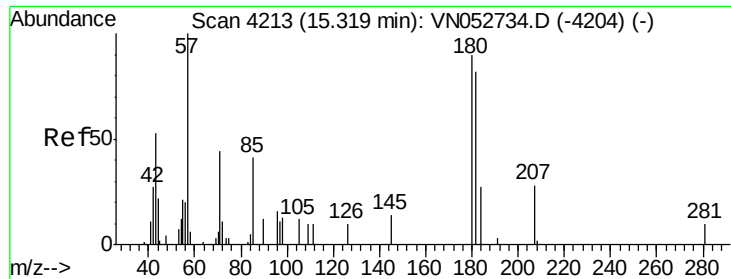
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.086 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100				
155	97.1	72.2	108.2		
157	119.9	94.2	141.2		





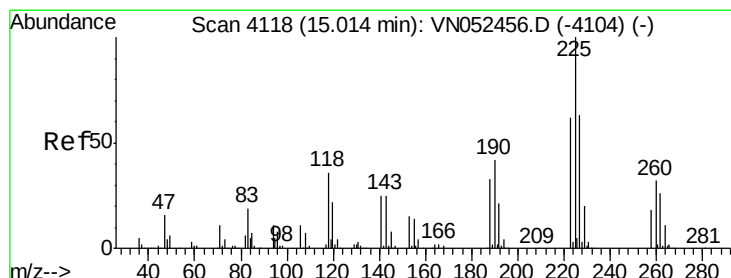
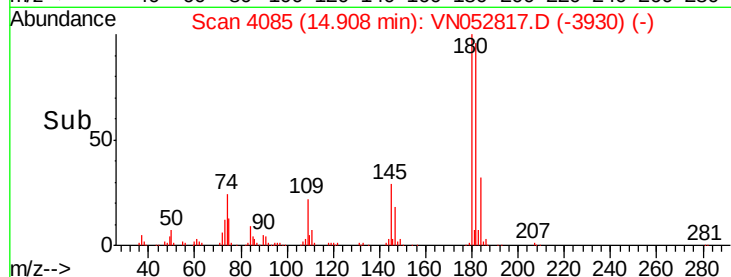
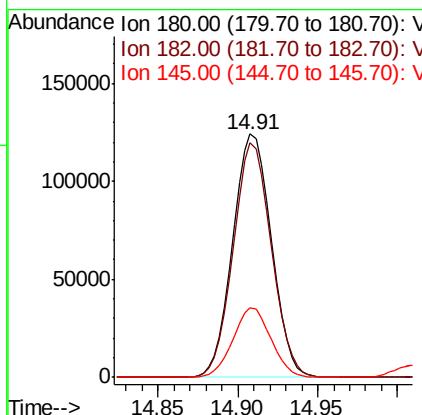
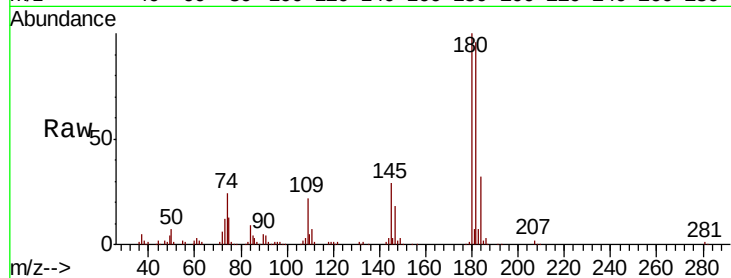
#89
 1,2,4-Trichlorobenzene
 Concen: 22.819 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	28.0	23.6	35.4

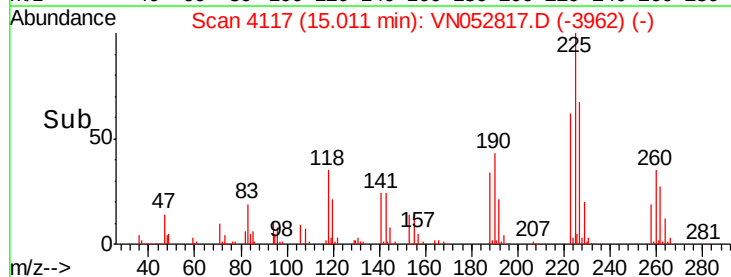
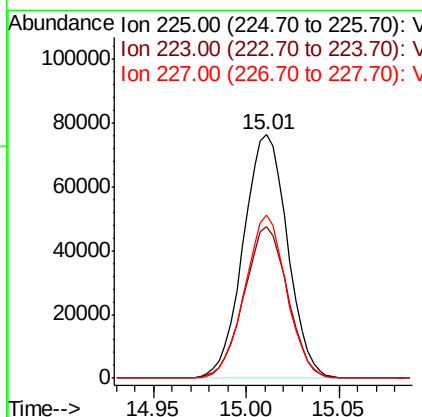
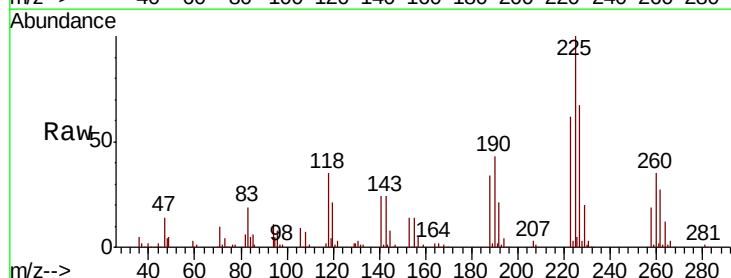
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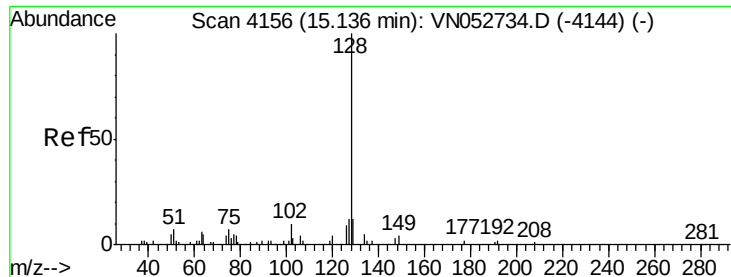
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#90
 Hexachlorobutadiene
 Concen: 21.612 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052817.D
 Acq: 12 Dec 2018 10:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	0.0	125.6
227	63.5	0.0	127.8





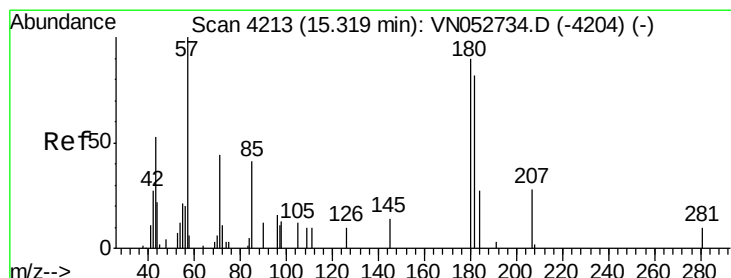
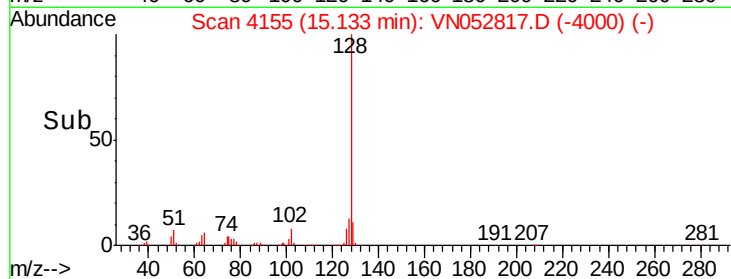
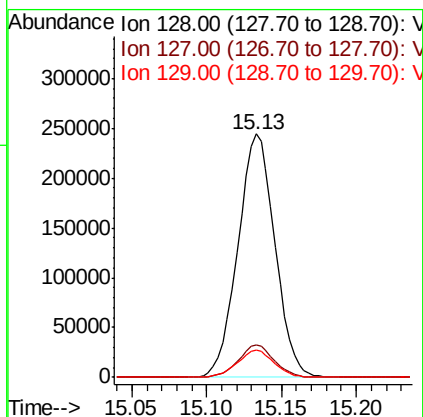
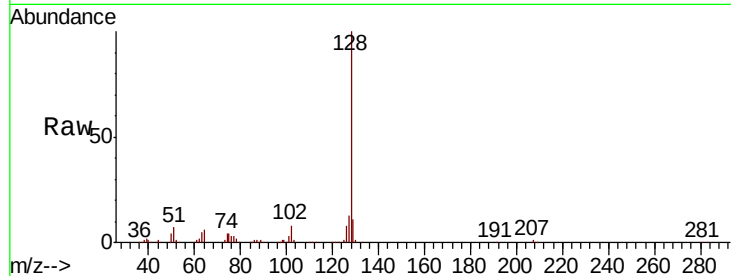
#91
Naphthalene
Concen: 23.264 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		420314		
127	12.8	9.9	14.9		
129	11.0	8.5	12.7		

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 23.060 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052817.D
Acq: 12 Dec 2018 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		190125		
182	95.9	0.0	196.2		
145	30.5	0.0	62.2		

