

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052822.D
 Acq On : 12 Dec 2018 12:56
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:29:31 PM

Quant Time: Dec 13 04:02:23 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	148961	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	868845	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	762199	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	300602	29.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.73%
60) 4-Bromofluorobenzene	12.40	95	351244	30.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.47%
63) Toluene-d8	10.09	98	1034227	29.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	159508	18.801 ug/l	99
3) Chloromethane	2.06	50	208778	18.556 ug/l	98
4) Vinyl Chloride	2.19	62	215685	18.993 ug/l	96
5) Bromomethane	2.58	94	131144	20.254 ug/l	99
6) Chloroethane	2.71	64	131421	19.461 ug/l	98
7) Trichlorofluoromethane	3.03	101	283352	20.218 ug/l	98
8) Diethyl Ether	3.41	74	110164	21.288 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	178943	20.141 ug/l	97
10) 1,1-Dichloroethene	3.74	96	170078	20.360 ug/l	95
11) Methyl Iodide	3.96	142	223522	19.272 ug/l	100
12) Methyl Acetate	4.33	43	151344	21.323 ug/l	100
13) Acrolein	3.61	56	55555	66.635 ug/l	99
14) Acrylonitrile	4.99	53	324899	107.434 ug/l	98
15) Acetone	3.82	58	75944	96.968 ug/l	97
16) Carbon Disulfide	4.06	76	474354	17.936 ug/l	99
17) Allyl chloride	4.33	41	268003	18.397 ug/l	98
18) Methylene Chloride	4.55	84	199511	20.628 ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	185119	20.592 ug/l	93
20) Diisopropyl ether	5.95	45	621465	20.300 ug/l	99
21) 1,1-Dichloroethane	5.85	63	353152	20.239 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	216495	21.013 ug/l	97
23) tert-Butyl Alcohol	4.78	59	55942	124.351 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	479220	21.868 ug/l	98
25) Chloroform	7.37	83	350250	20.807 ug/l	100
26) Cyclohexane	7.66	56	310549	18.870 ug/l	# 97
29) 1,1-Dichloropropene	7.80	75	267121	20.133 ug/l	99
30) 2-Butanone	6.83	43	366686	103.282 ug/l	99
31) 2,2-Dichloropropane	6.83	77	256368	20.988 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	285930	20.711 ug/l	97
33) Carbon Tetrachloride	7.78	117	247792	20.513 ug/l	99
34) Benzene	8.04	78	809566	20.294 ug/l	99
35) Methacrylonitrile	7.18	41	85545	19.420 ug/l	98
36) 1,2-Dichloroethane	8.13	62	249030	20.601 ug/l	99
37) Trichloroethene	8.84	130	215950	21.348 ug/l	94
38) Methylcyclohexane	9.08	83	314476	19.147 ug/l	97
39) 1,2-Dichloropropane	9.12	63	217090	20.302 ug/l	97
40) Dibromomethane	9.21	93	124162	21.487 ug/l	97

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

41) Bromodichloromethane	9.40	83	261310	20.468	ug/l	98
42) Vinyl Acetate	5.90	43	1876361	97.678	ug/l	98
43) Ethyl Acetate	6.93	43	167499	22.187	ug/l #	72
44) Isopropyl Acetate	8.17	43	306131	23.121	ug/l	94
45) 1,4-Dioxane	9.20	88	34340	474.096	ug/l	96
46) Methyl methacrylate	9.20	41	147808	21.501	ug/l	100
47) n-amyl Acetate	12.07	43	247797	22.572	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	257516	20.803	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	308870	20.480	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	178273	21.764	ug/l	99
51) Ethyl methacrylate	10.43	69	228559	22.217	ug/l	95
52) 1,3-Dichloropropane	10.71	76	308011	21.126	ug/l	100
53) Dibromochloromethane	10.90	129	192961	21.397	ug/l	98
54) 1,2-Dibromoethane	11.01	107	174180	21.762	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	642395	106.678	ug/l	99
56) Bromoform	12.13	173	128385	21.781	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	827944	112.046	ug/l	99
59) 2-Hexanone	10.75	43	556015	110.151	ug/l	98
61) Tetrachloroethene	10.63	164	226970	24.178	ug/l	95
62) Toluene	10.16	91	864740	20.580	ug/l	100
64) Chlorobenzene	11.43	112	539193	21.024	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	193771	21.767	ug/l	98
66) Ethyl Benzene	11.51	91	931560	20.571	ug/l	98
67) m/p-Xylenes	11.62	106	709307	42.042	ug/l	98
68) o-Xylene	11.95	106	344230	21.021	ug/l	100
69) Styrene	11.97	104	559504	21.168	ug/l	99
70) Isopropylbenzene	12.25	105	923012	21.185	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	202807	21.398	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	179366m	22.046	ug/l	
73) Bromobenzene	12.53	156	232070	22.023	ug/l	95
74) n-propylbenzene	12.59	91	1051692	20.717	ug/l	99
75) 2-Chlorotoluene	12.68	91	623143	21.148	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	748594	21.272	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	53861	20.957	ug/l	98
78) 4-Chlorotoluene	12.77	91	626492	21.291	ug/l	99
79) tert-butylbenzene	12.99	119	653908	21.336	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	750964	21.326	ug/l	100
81) sec-Butylbenzene	13.17	105	888112	20.805	ug/l	100
82) p-Isopropyltoluene	13.29	119	761006	20.936	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404384	21.820	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	390517	21.809	ug/l	99
85) n-Butylbenzene	13.62	91	621647	19.910	ug/l	99
86) Hexachloroethane	13.88	117	124555	20.223	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	398968	22.622	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31040	23.381	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	211642	24.357	ug/l	99
90) Hexachlorobutadiene	15.01	225	124218	21.793	ug/l	99
91) Naphthalene	15.13	128	450613	25.681	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	199077	24.861	ug/l	97

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

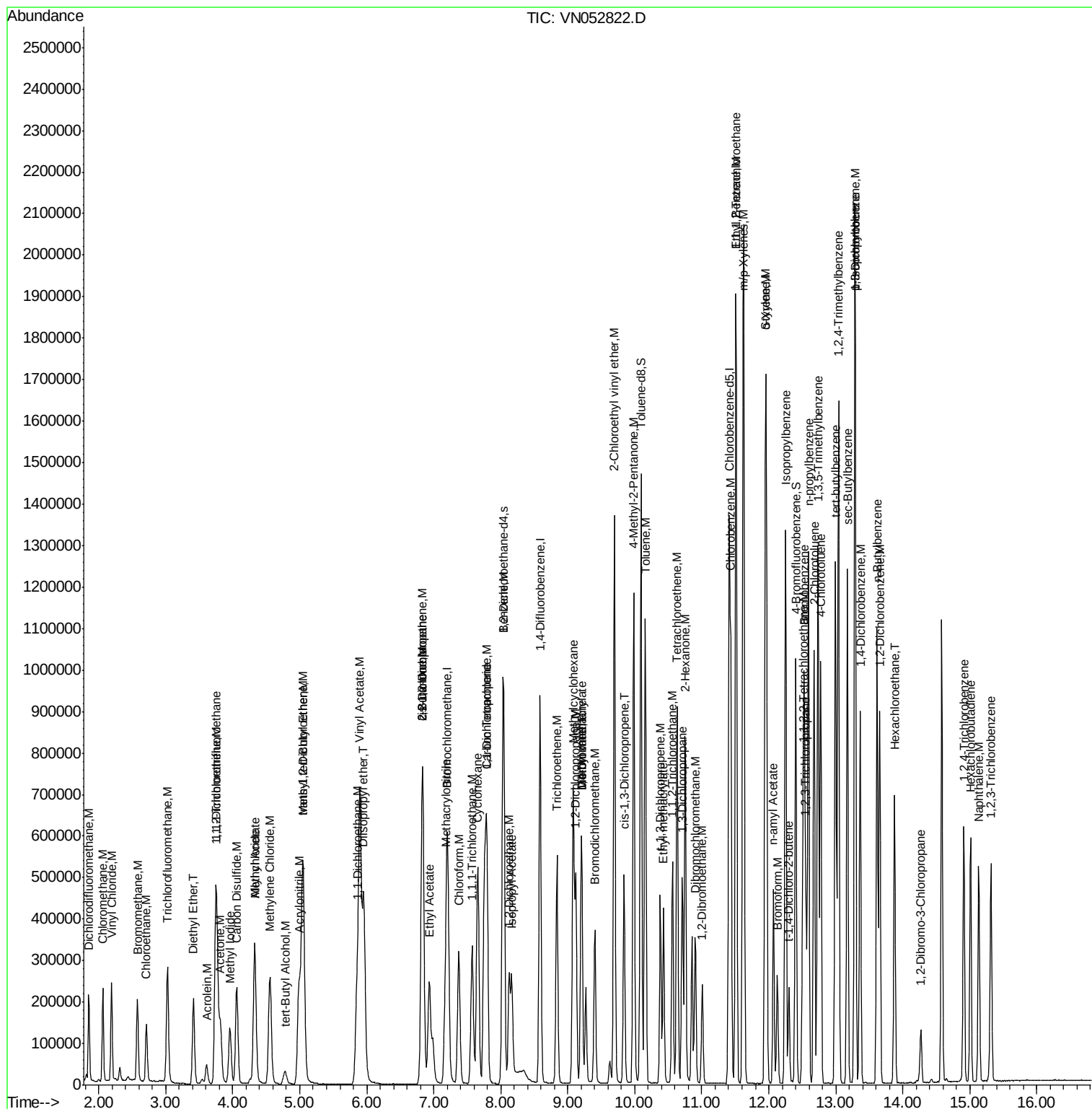
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Data File : VN052822.D  
Acq On    : 12 Dec 2018 12:56  
Operator  : MD\SY  
Sample    : VSTDCCC020  
Misc      : 5.00mL/MSVOA N/WATER  
ALS Vial  : 7 Sample Multiplier: 28
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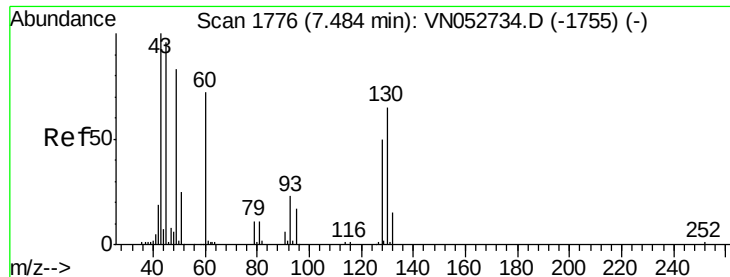
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED

MMDadoda
12/13/2018 1:29:31 PM

Quant Time: Dec 13 04:02:23 2018
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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: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

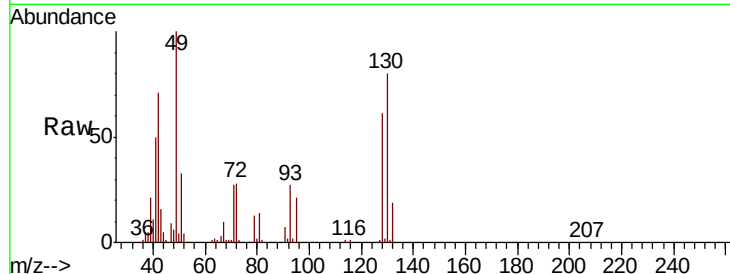
ClientSampleId :

VSTDCCC020EC

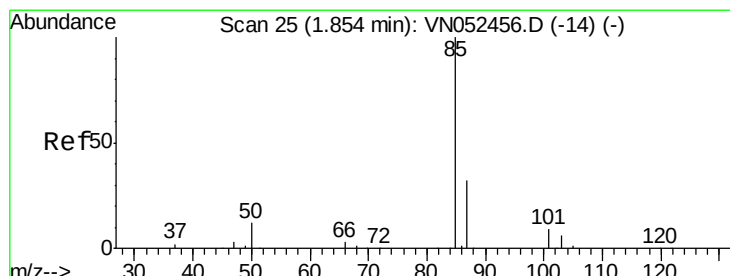
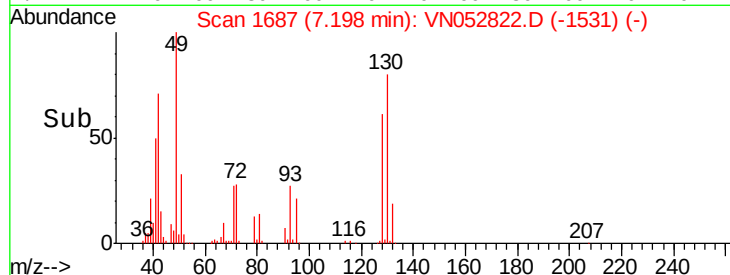
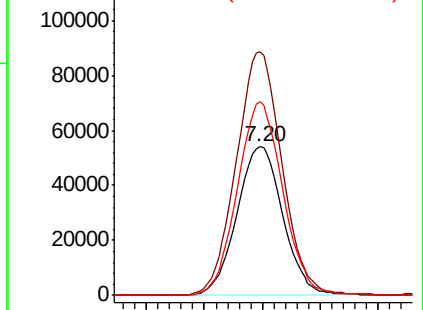
Tot Ion:	128	Resp:	148961
Ion	Ratio	Lower	Upper
128	100		
49	163.8	0.0	431.8
130	129.0	0.0	317.0

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



#2

Dichlorodifluoromethane

Concen: 18.801 ug/l

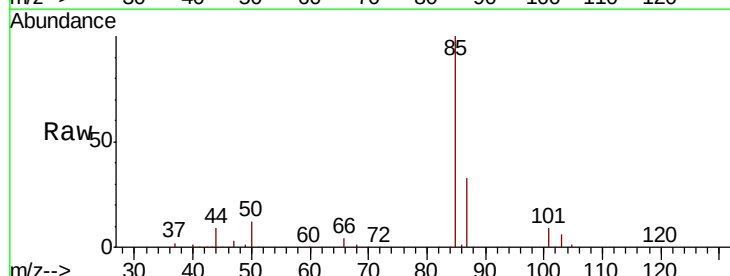
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

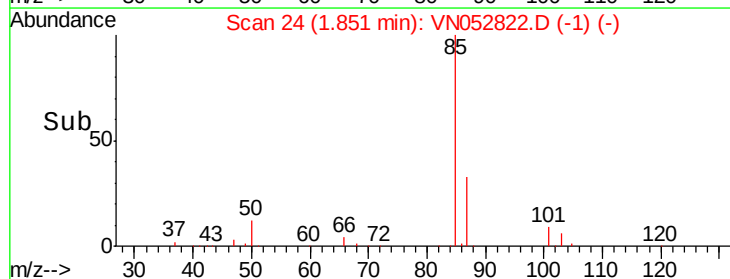
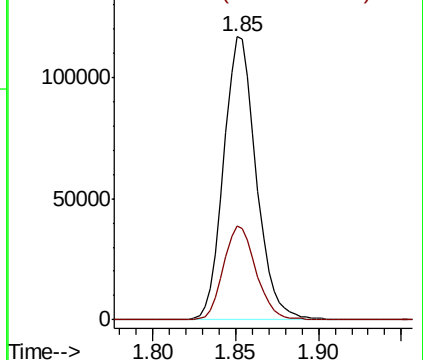
Lab File: VN052822.D

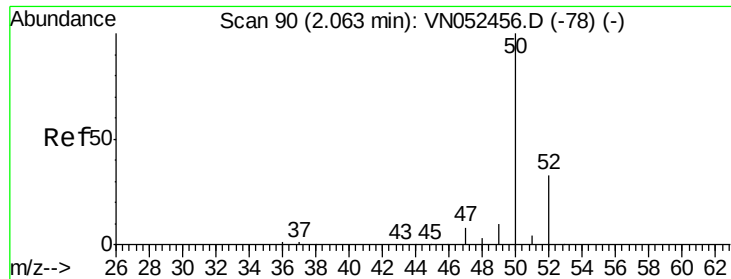
Acq: 12 Dec 2018 12:56

Tgt Ion:	85	Resp:	159508
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.1	48.3



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





#3

Chloromethane

Concen: 18.556 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 208778

Ion Ratio Lower Upper

50 100

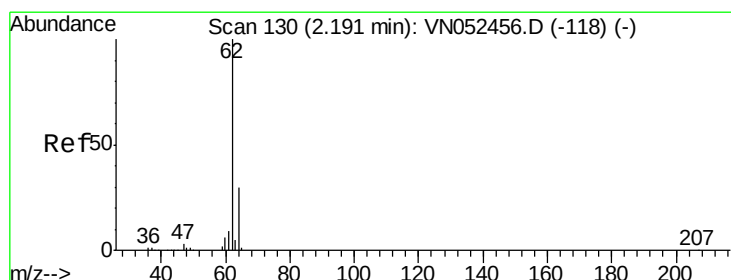
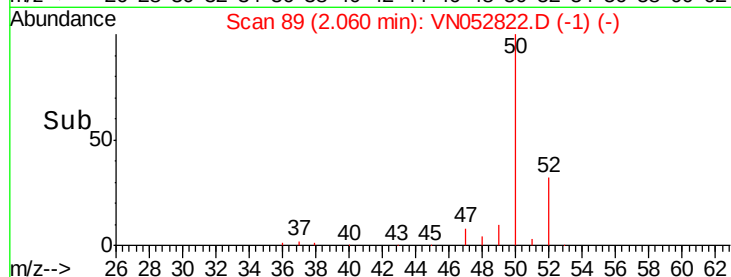
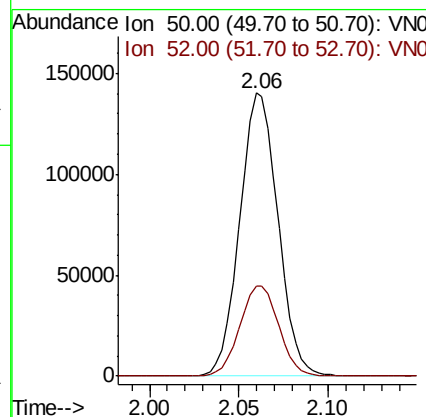
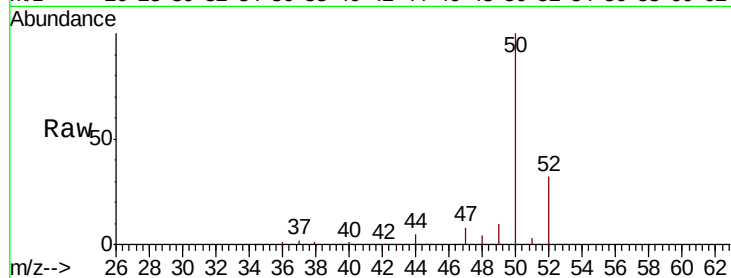
52 31.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.993 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052822.D

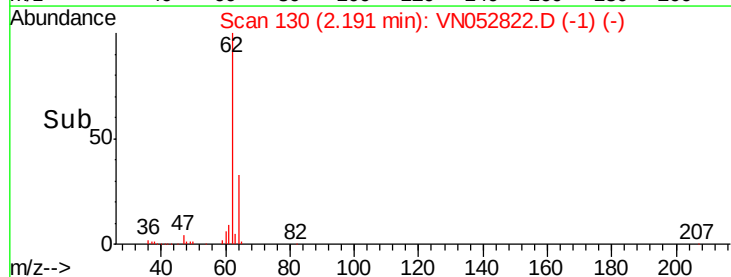
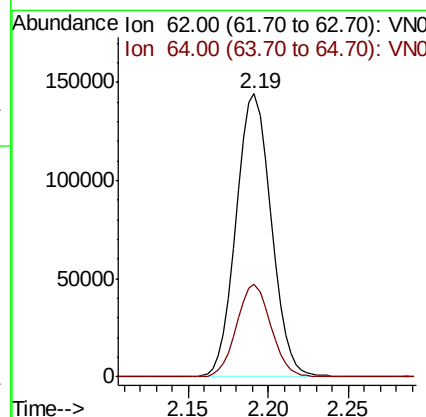
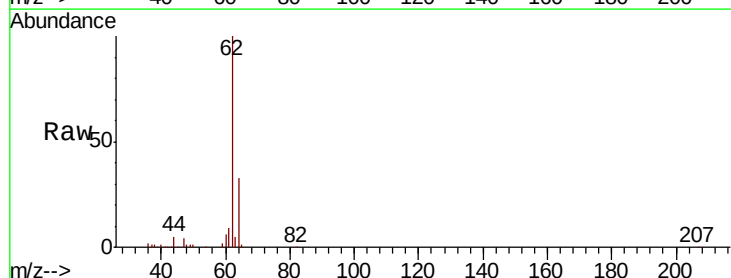
Acq: 12 Dec 2018 12:56

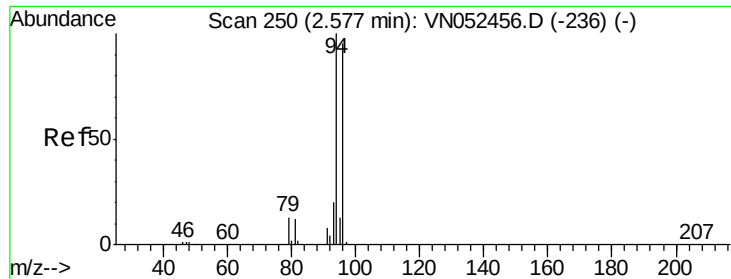
Tgt Ion: 62 Resp: 215685

Ion Ratio Lower Upper

62 100

64 32.7 24.2 36.4





#5

Bromomethane

Concen: 20.254 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 131144

Ion Ratio Lower Upper

94 100

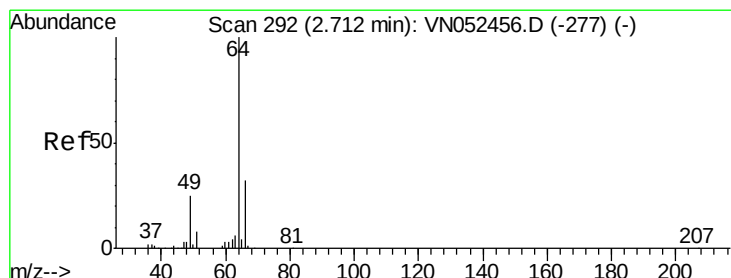
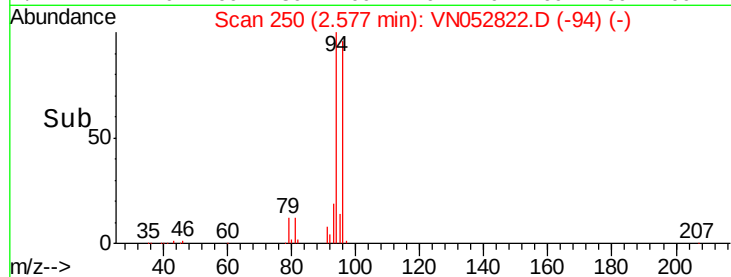
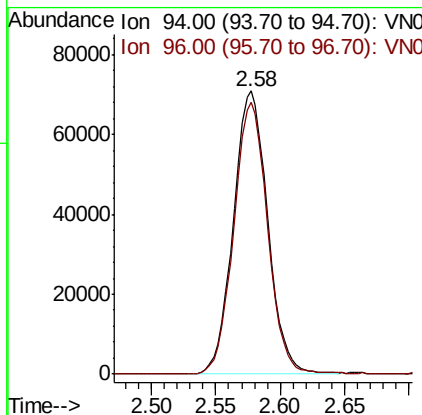
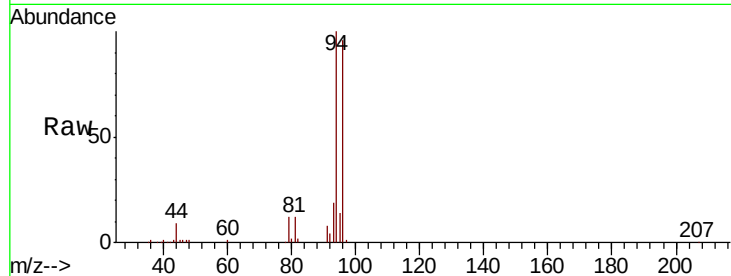
96 95.8 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 19.461 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052822.D

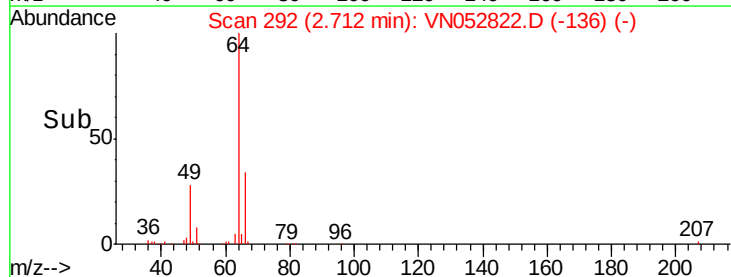
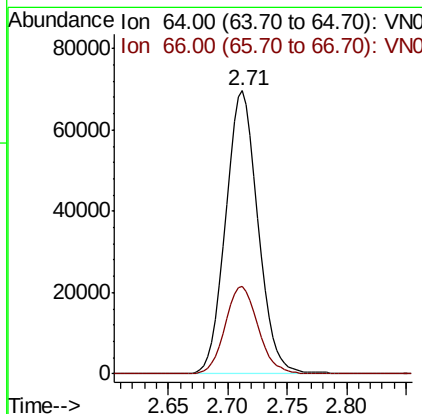
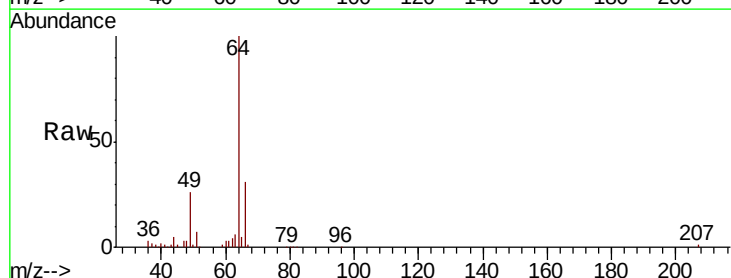
Acq: 12 Dec 2018 12:56

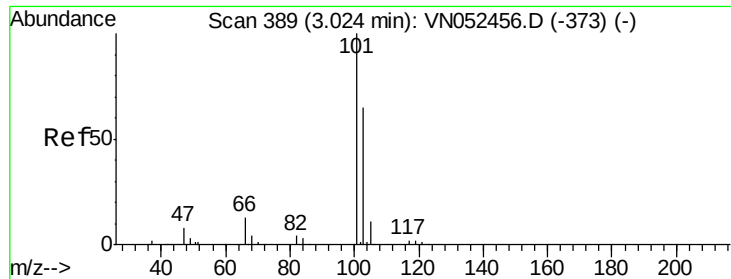
Tgt Ion: 64 Resp: 131421

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4





#7

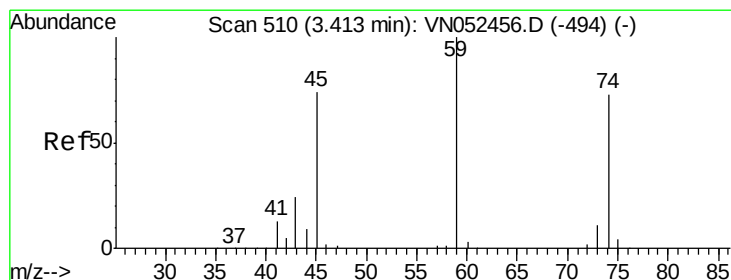
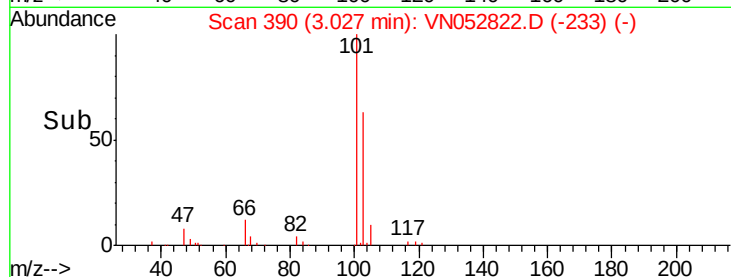
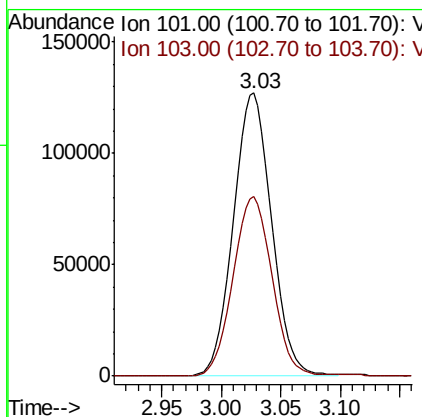
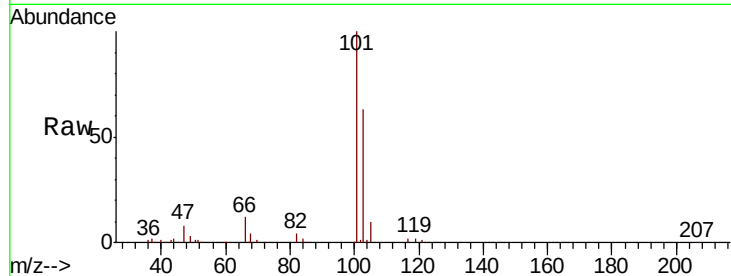
Trichlorofluoromethane
Concen: 20.218 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.1	78.1

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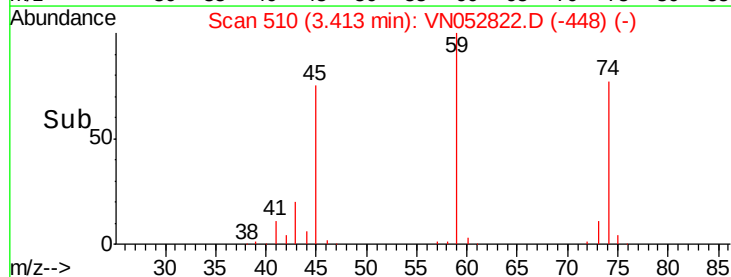
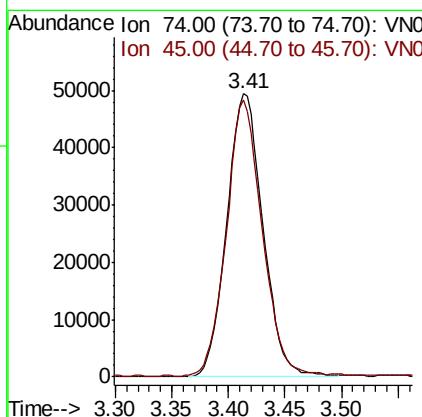
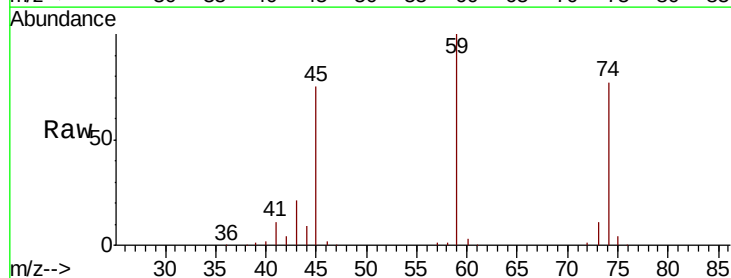
MMDadoda
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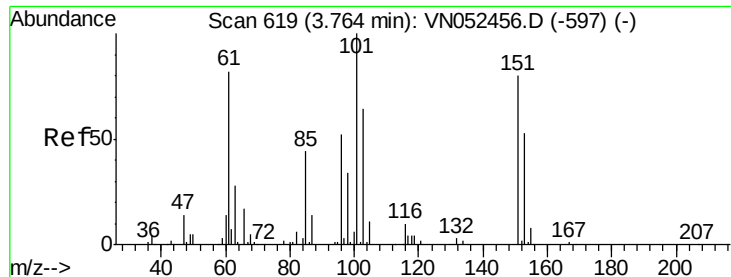


#8

Diethyl Ether
Concen: 21.288 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.141 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052822.D

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Instrument :

MSVOA_N

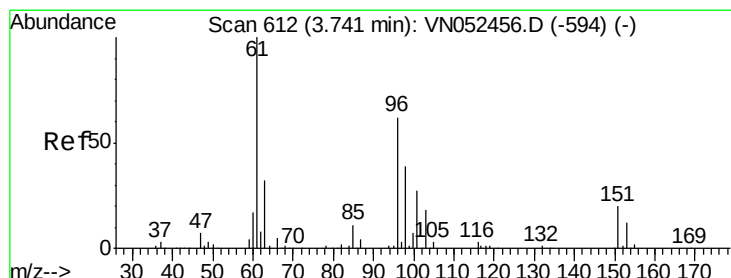
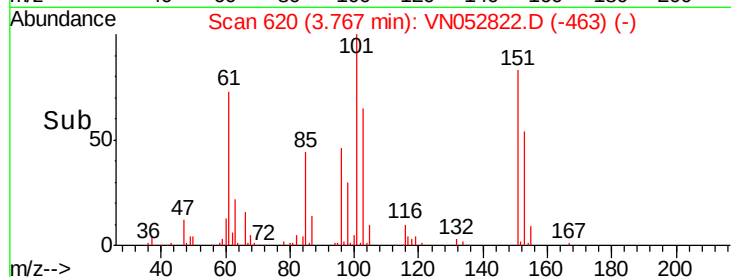
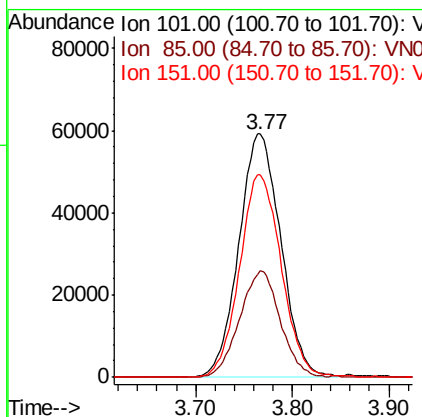
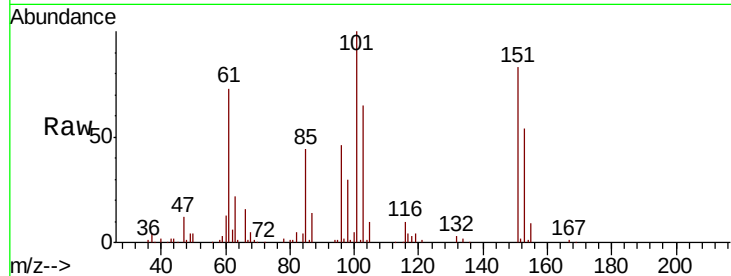
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	178943
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	82.6
151	82.3	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.360 ug/l

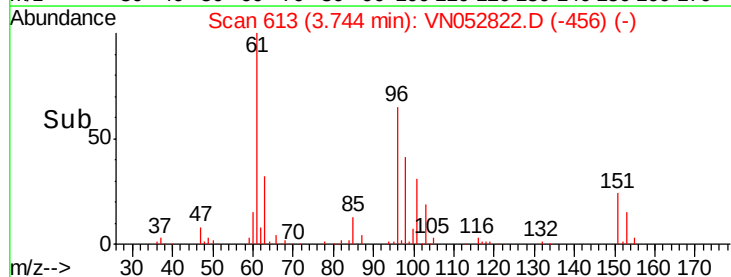
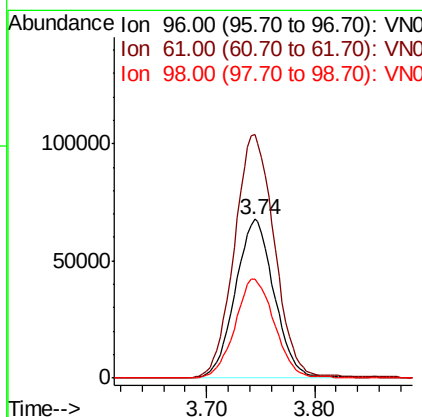
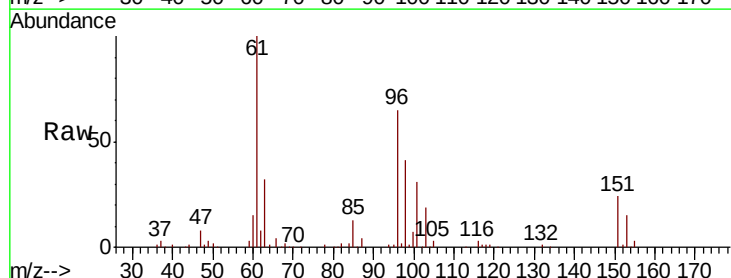
RT: 3.74 min Scan# 613

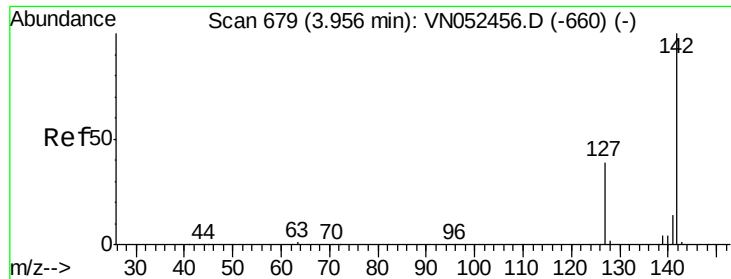
Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	96	Resp:	170078
Ion Ratio	Lower	Upper	
96	100		
61	153.1	129.4	194.2
98	62.3	50.4	75.6





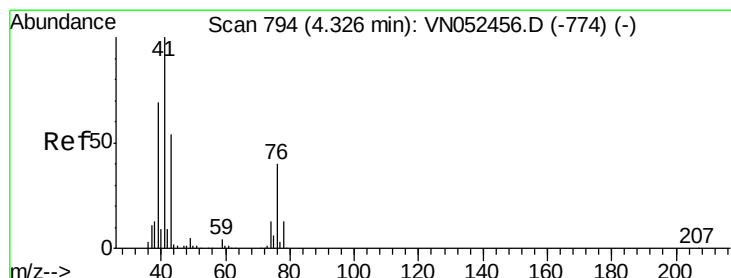
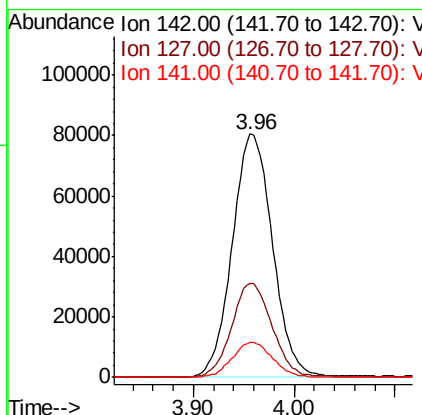
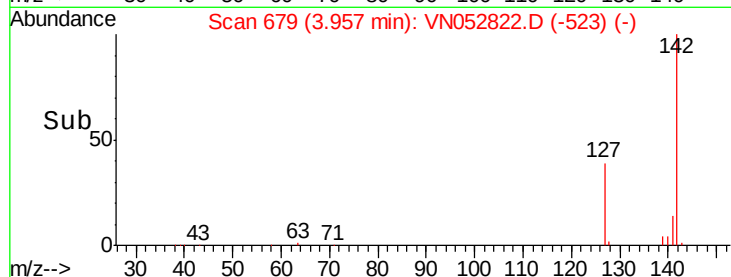
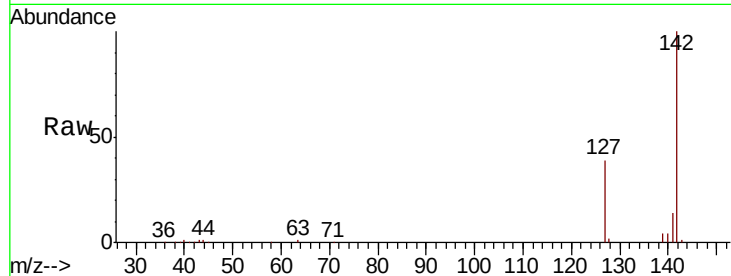
#11
Methvl Iodide
Concen: 19.272 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.6	19.4	58.1
141	14.2	7.2	21.6

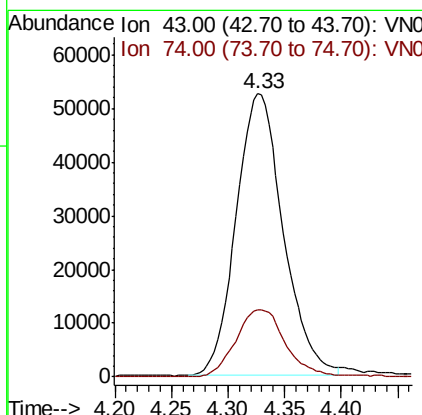
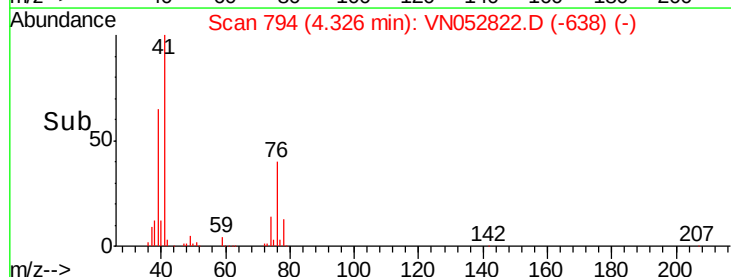
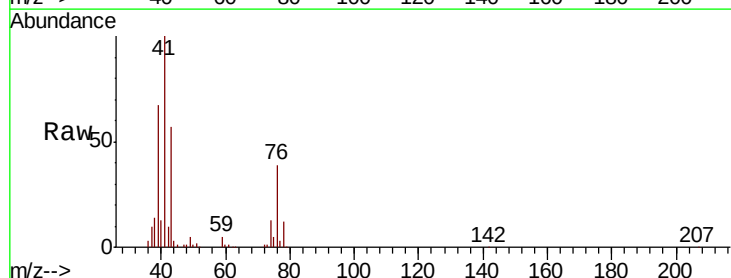
Manual Integrations
APPROVED

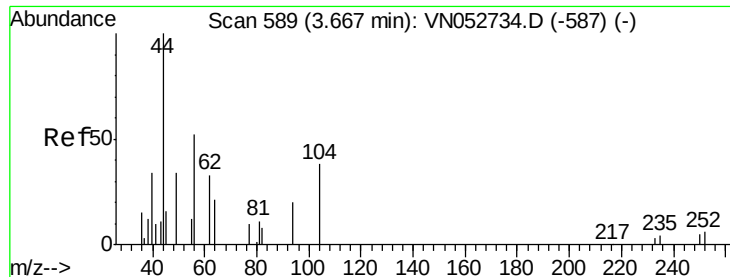
MMDadoda
12/13/2018 1:29:31 PM



#12
Methyl Acetate
Concen: 21.323 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3





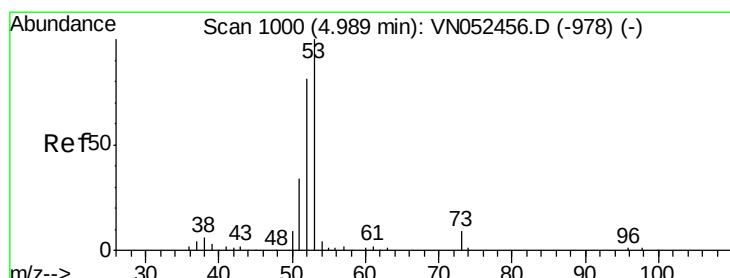
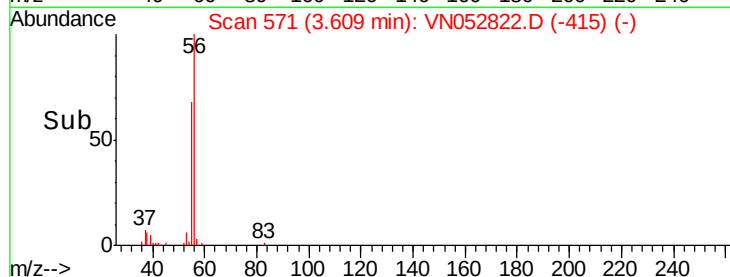
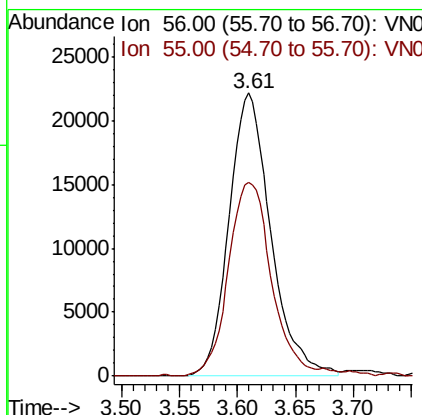
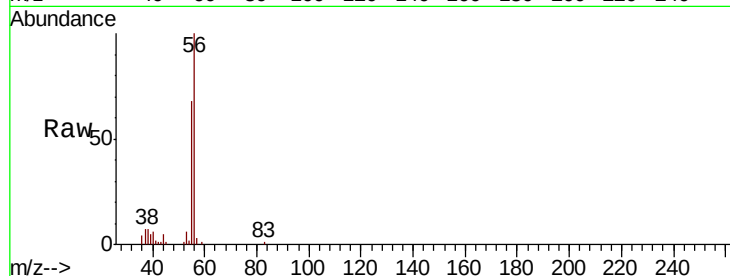
#13
 Acrolein
 Concen: 66.635 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.7	85.1

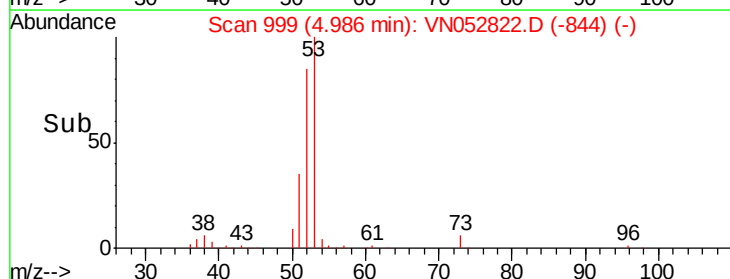
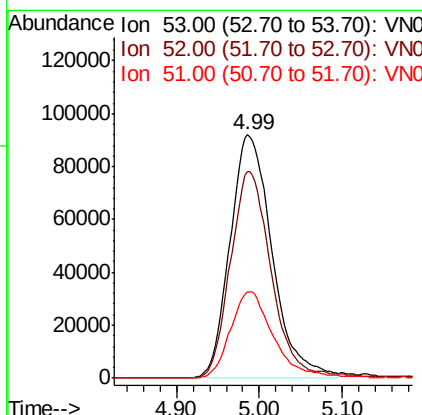
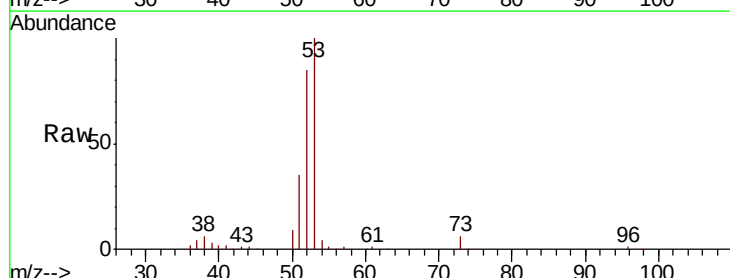
Manual Integrations
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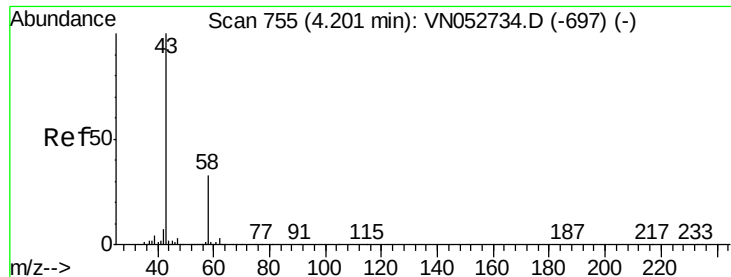
MMDadoda
 12/13/2018 1:29:31 PM



#14
 Acrylonitrile
 Concen: 107.434 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.8	39.9	119.7
51	35.7	17.6	52.9





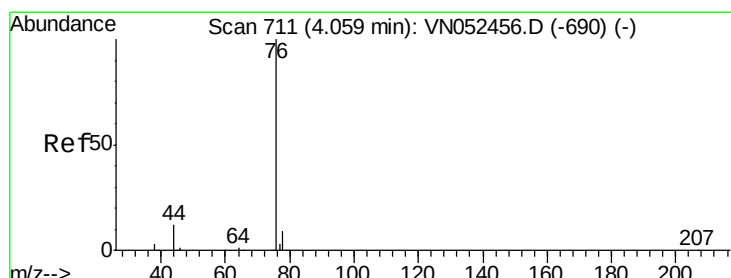
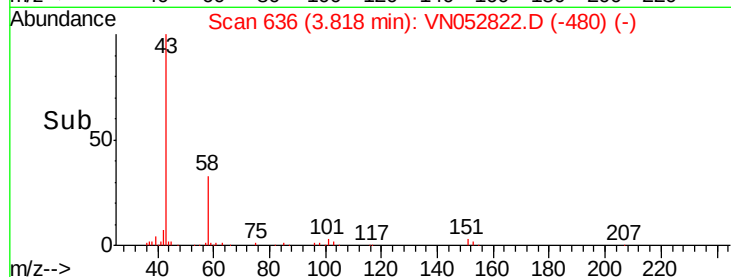
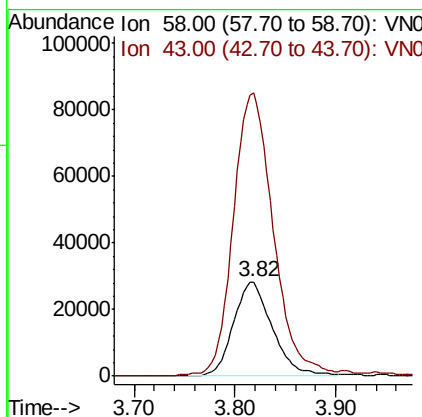
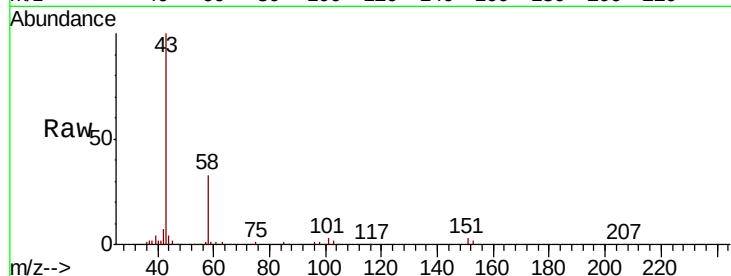
#15
Acetone
Concen: 96.968 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	58	Resp	75944
Ion	Ratio	Lower	Upper
58	100		
43	298.6	243.6	365.4

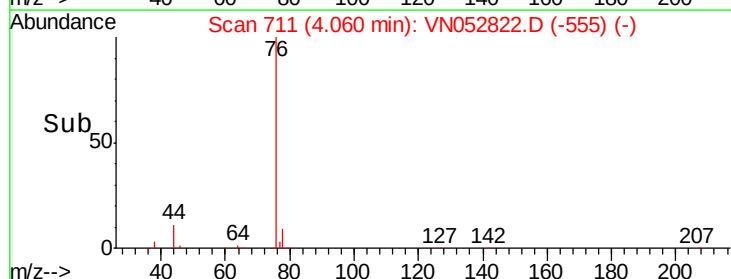
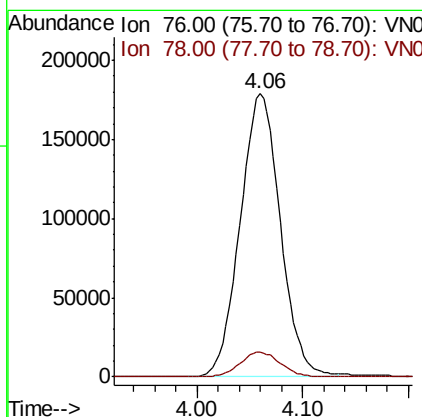
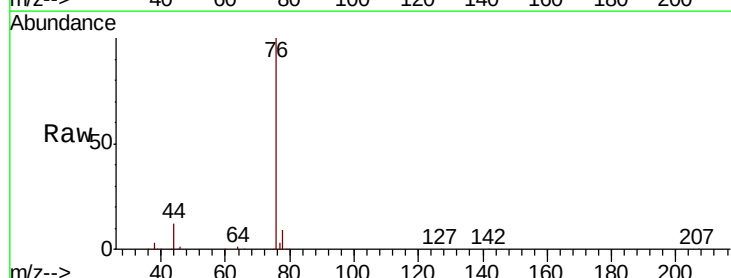
Manual Integrations
APPROVED

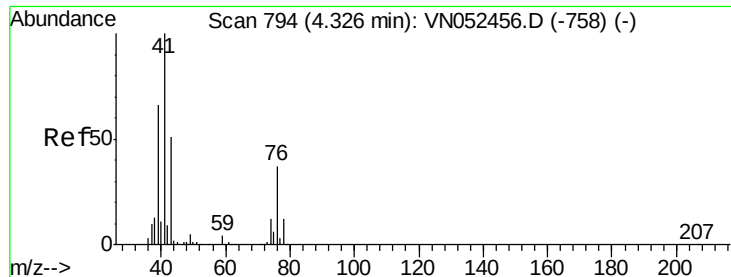
MMDadoda
12/13/2018 1:29:31 PM



#16
Carbon Disulfide
Concen: 17.936 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	76	Resp	474354
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9





#17

Allvl chloride

Concen: 18.397 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

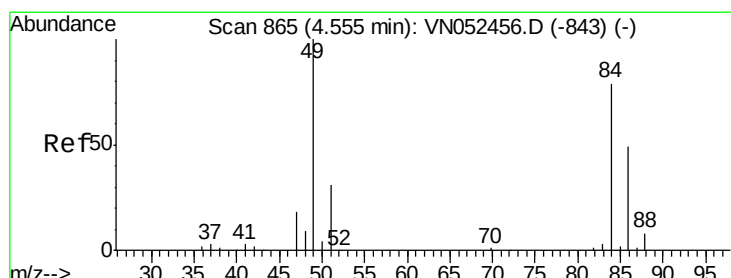
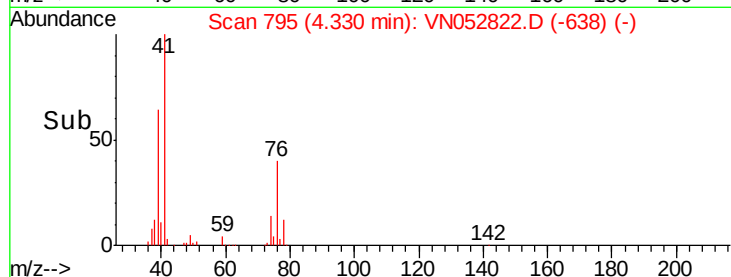
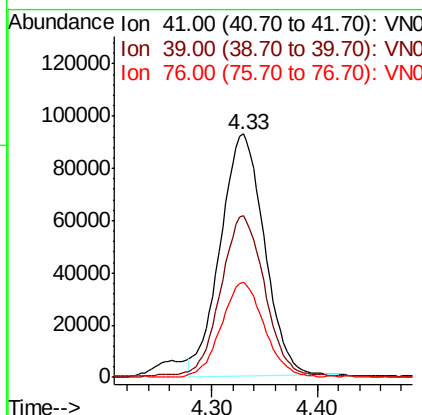
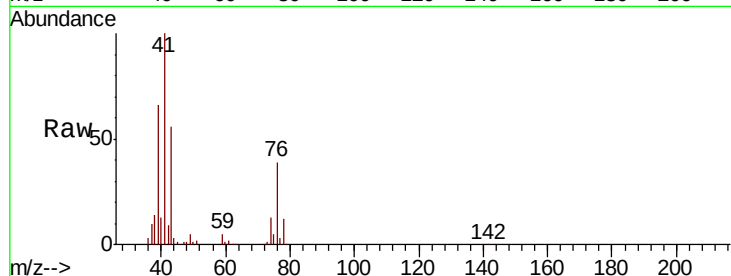
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	268003
Ion	Ratio	Lower	Upper
41	100		
39	66.2	32.8	98.3
76	39.2	18.6	55.8

Manual Integrations
APPROVED

MMDadoda
12/13/2018 1:29:31 PM



#18

Methylene Chloride

Concen: 20.628 ug/l

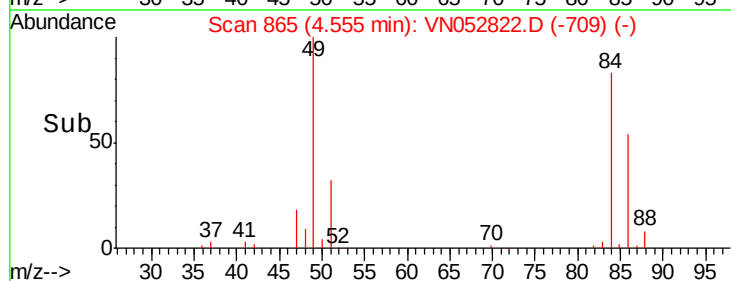
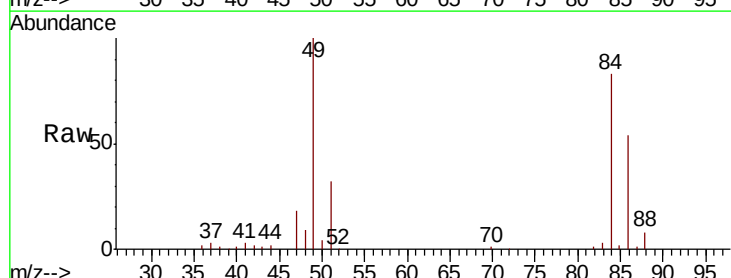
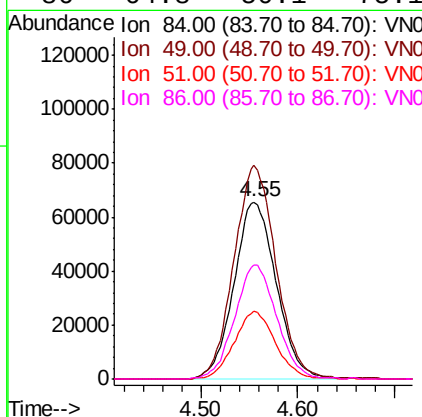
RT: 4.55 min Scan# 865

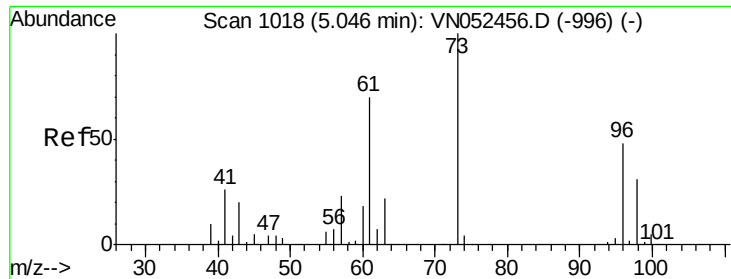
Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	84	Resp:	199511
Ion	Ratio	Lower	Upper
84	100		
49	120.9	101.4	152.0
51	38.2	31.7	47.5
86	64.8	50.1	75.1





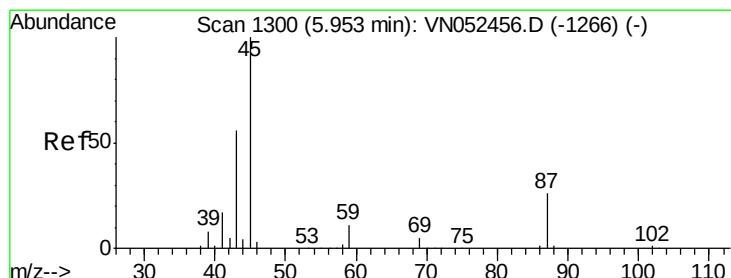
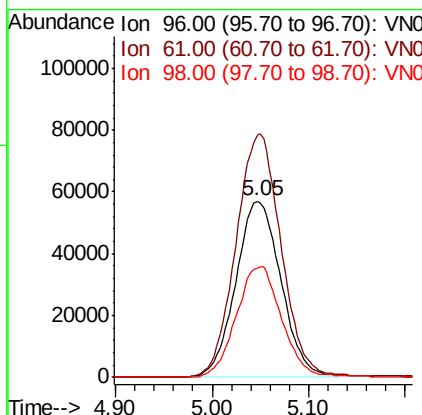
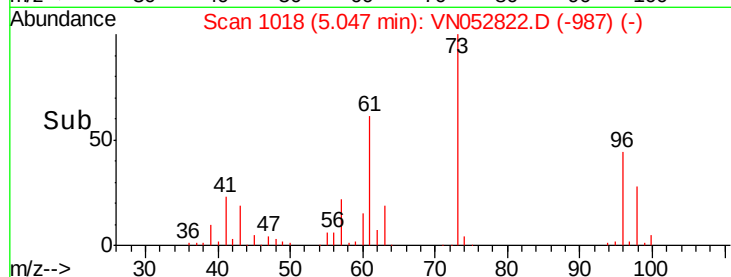
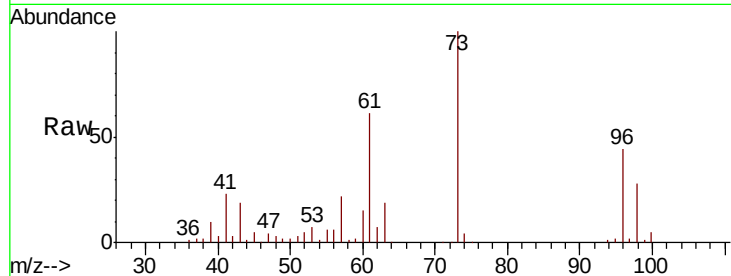
#19
trans-1,2-Dichloroethene
Concen: 20.592 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	118.2	177.4
98	62.0	51.4	77.2

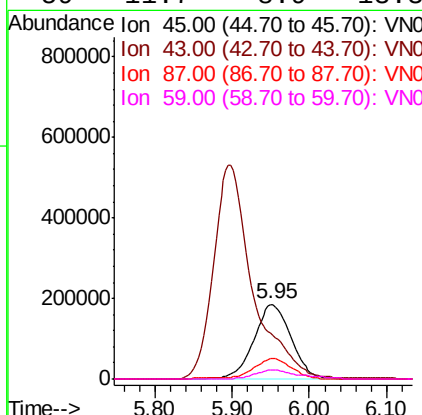
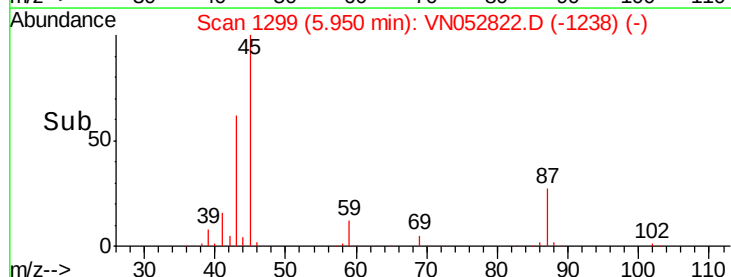
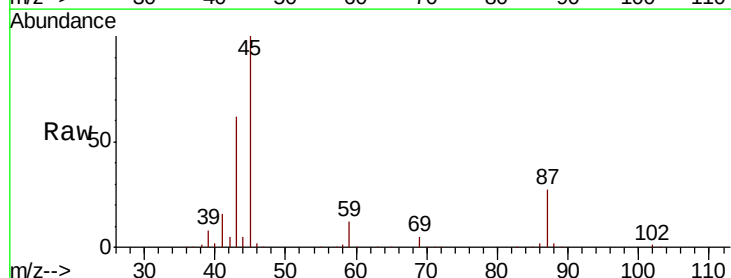
Manual Integrations
APPROVED

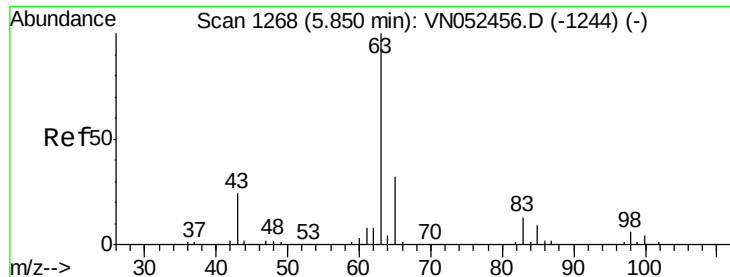
MMDadoda
12/13/2018 1:29:31 PM



#20
Diisopropyl ether
Concen: 20.300 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.8	71.8
87	26.5	21.3	31.9
59	11.7	8.9	13.3





#21

1,1-Dichloroethane

Concen: 20.239 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

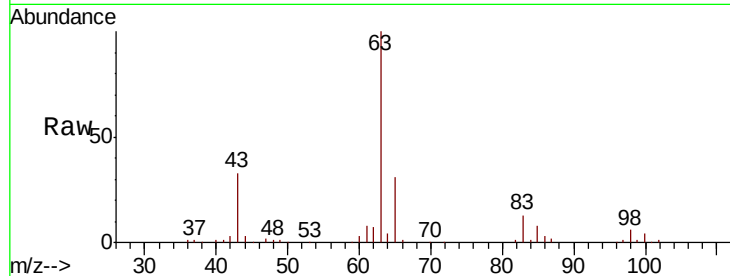
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	353152
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.0	9.2
100	3.8	1.8	5.5

Manual Integrations
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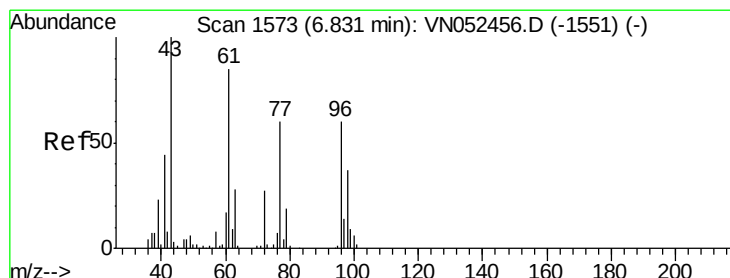
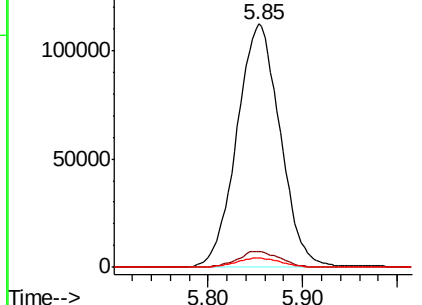
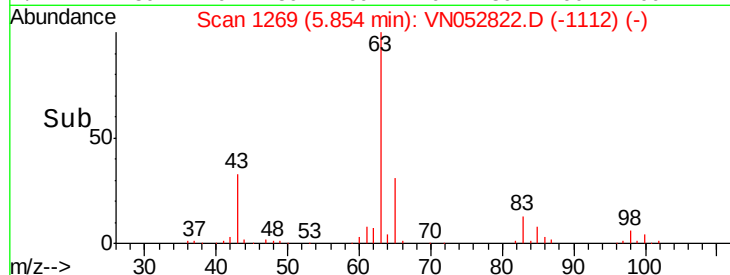


Abundance Ion 63.00 (62.70 to 63.70): VN052822.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN052822.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN052822.D (-1112) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 21.013 ug/l

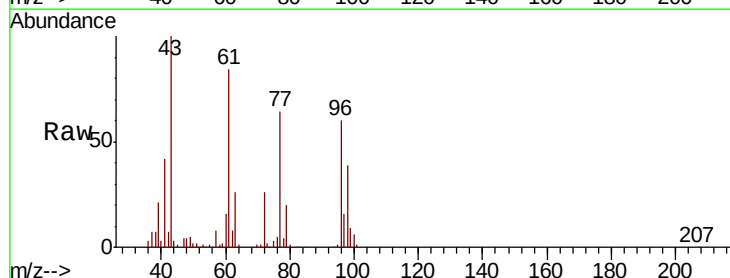
RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	96	Resp:	216495
Ion Ratio	Lower	Upper	
96	100		
61	142.3	116.7	175.1
98	64.7	50.8	76.2

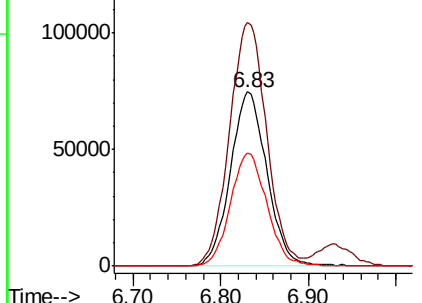
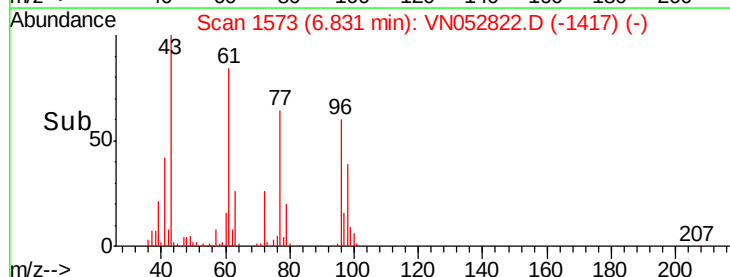


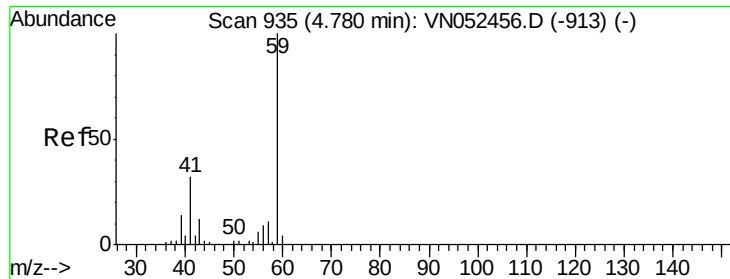
Abundance Ion 96.00 (95.70 to 96.70): VN052822.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN052822.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN052822.D (-1417) (-)

Time-->





#23

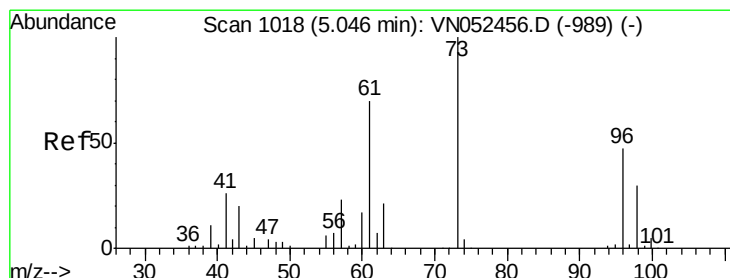
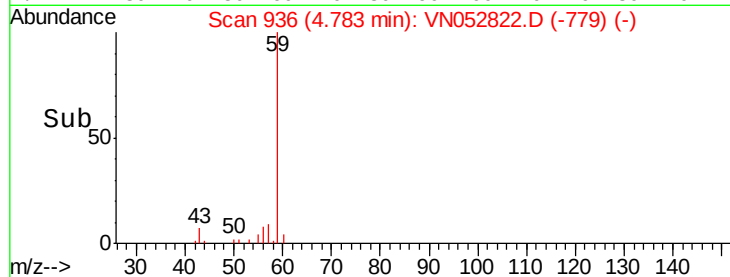
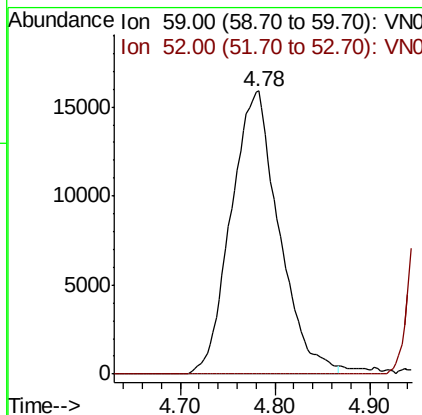
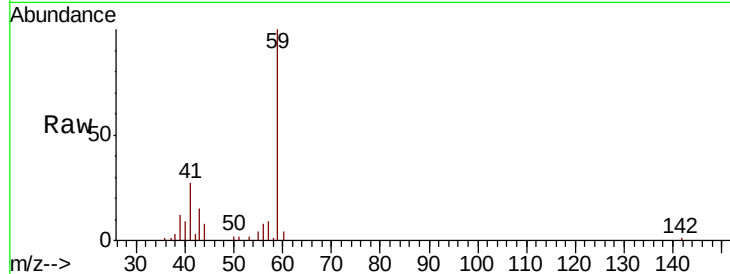
tert-Butyl Alcohol
 Concen: 124.351 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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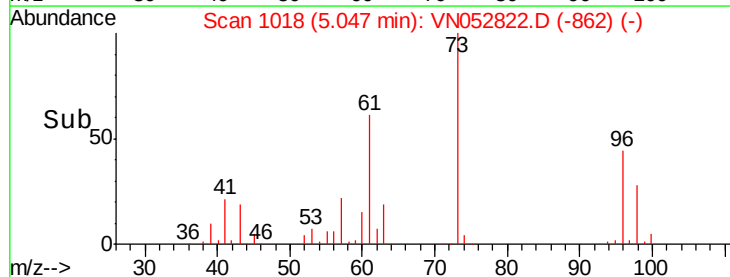
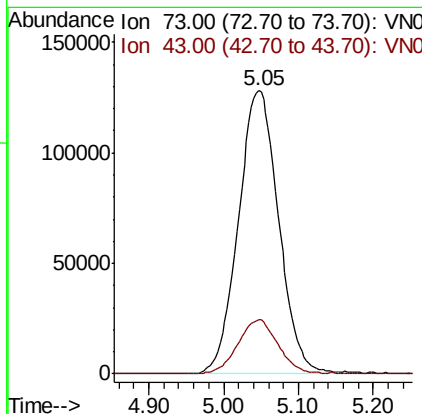
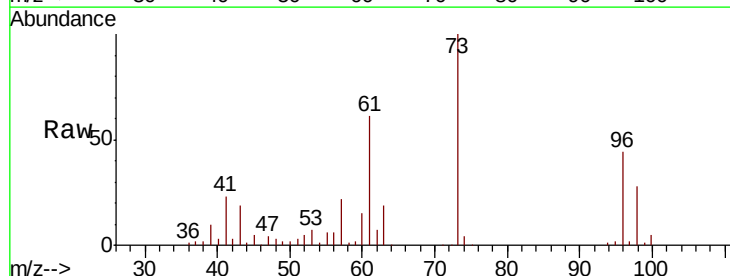
MMDadoda
 12/13/2018 1:29:31 PM

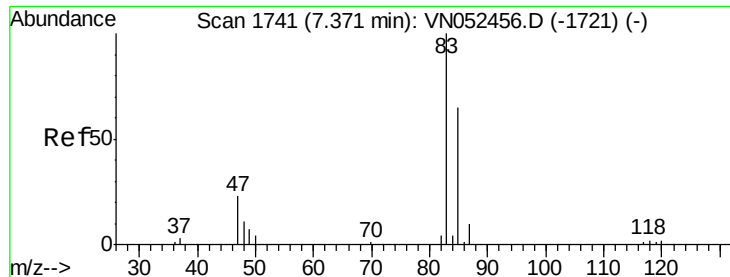


#24

Methyl tert-Butyl Ether
 Concen: 21.868 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.8	15.8	23.8





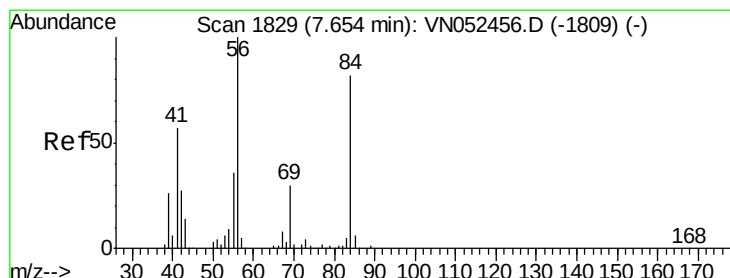
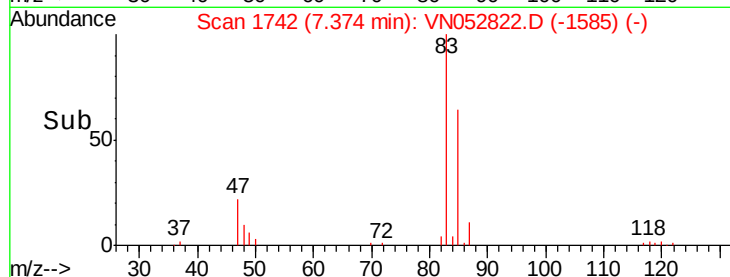
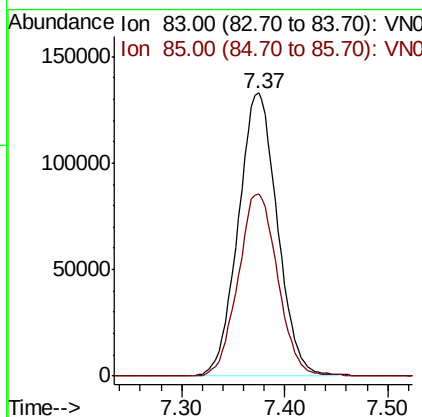
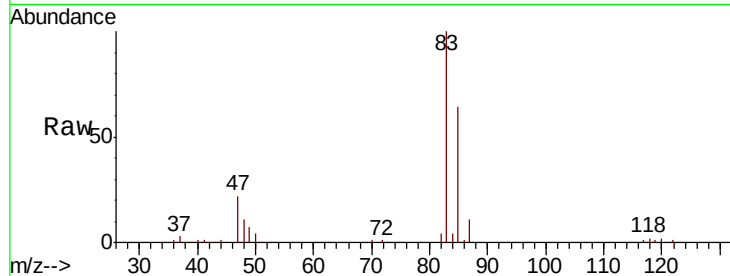
#25
Chloroform
Concen: 20.807 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	350250
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.7	77.5

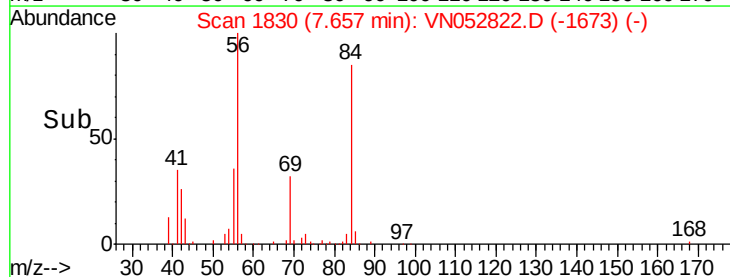
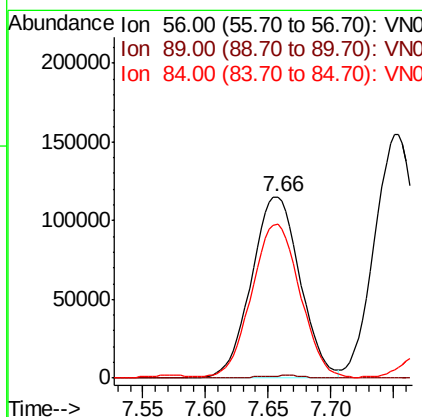
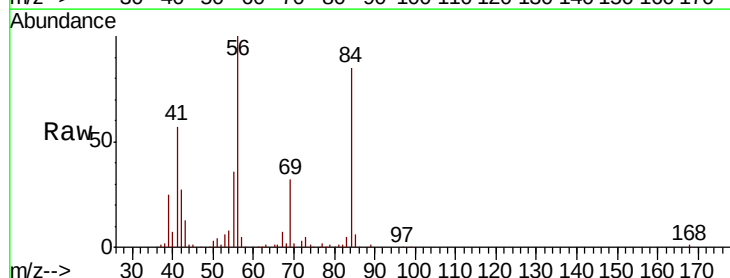
Manual Integrations
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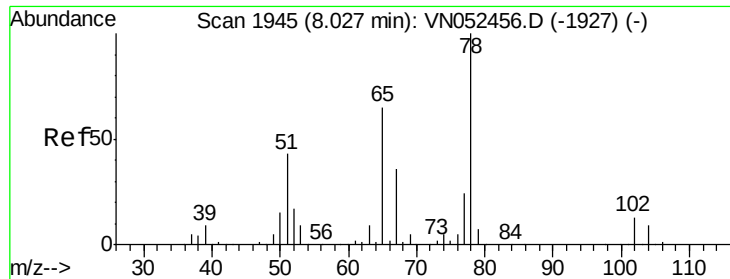
MMDadoda
12/13/2018 1:29:31 PM



#26
Cyclohexane
Concen: 18.870 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	56	Resp	310549
Ion Ratio	100	Lower	Upper
56	100		
89	0.5	0.5	0.7#
84	85.0	66.2	99.2





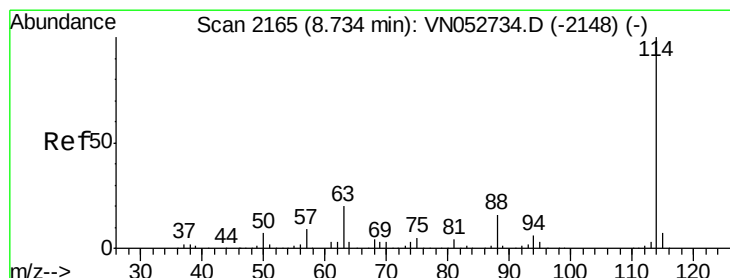
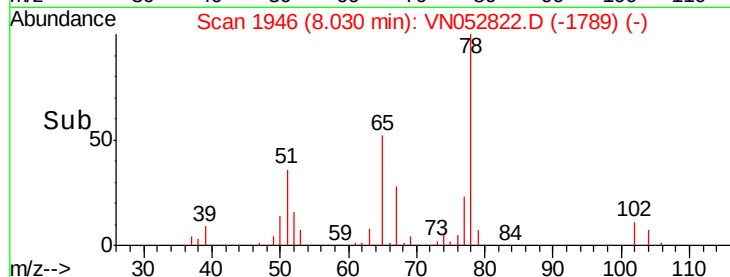
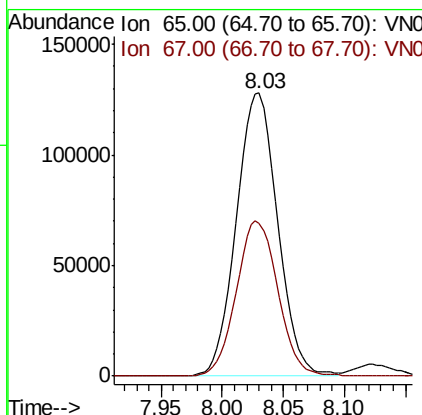
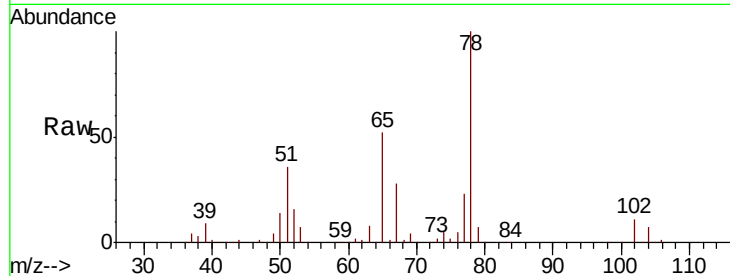
#27
 1,2-Dichloroethane-d4
 Concen: 18.870 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	44.6	66.8

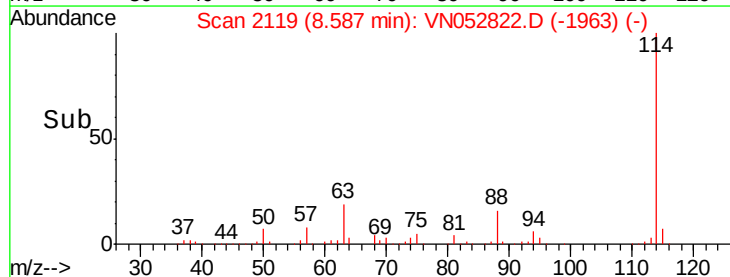
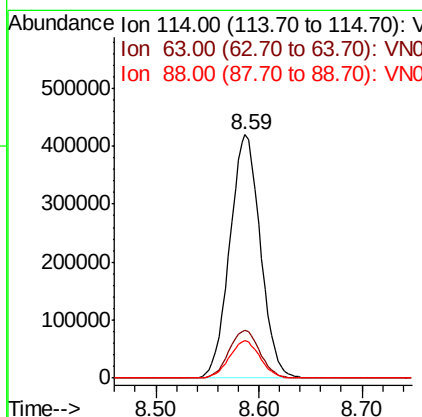
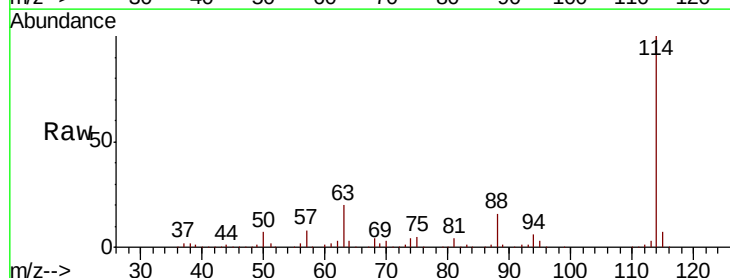
Manual Integrations
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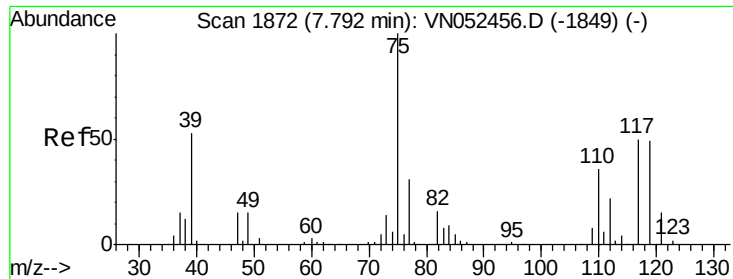
MMDadoda
 12/13/2018 1:29:31 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.9	25.3
88	15.6	12.8	19.2





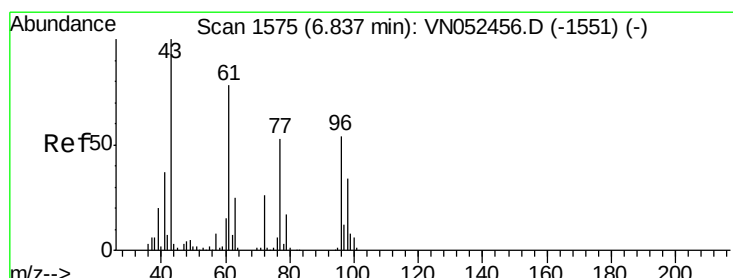
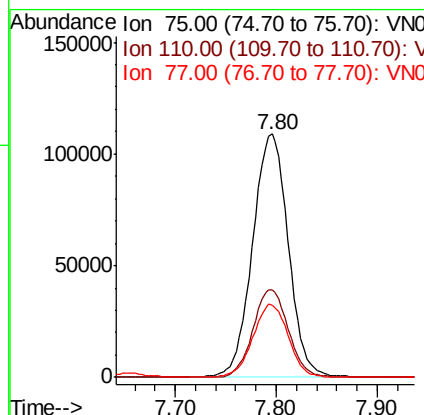
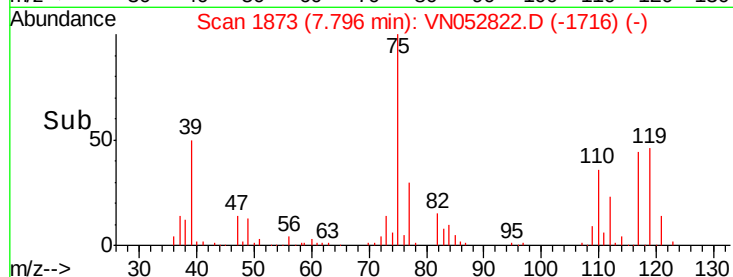
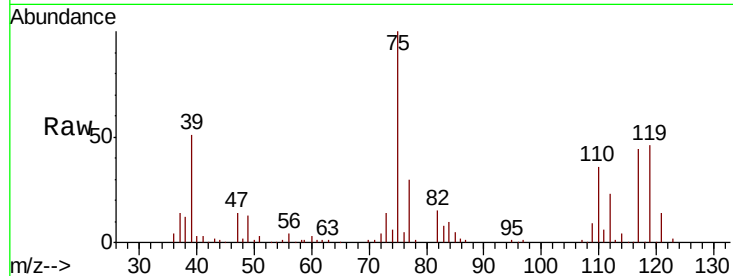
#29
 1,1-Dichloropropene
 Concen: 20.133 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.6	0.0	70.2
77	30.1	0.0	62.6

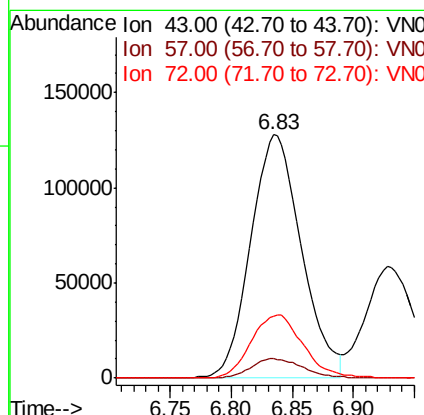
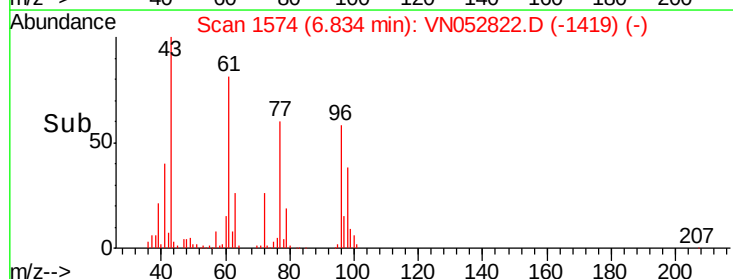
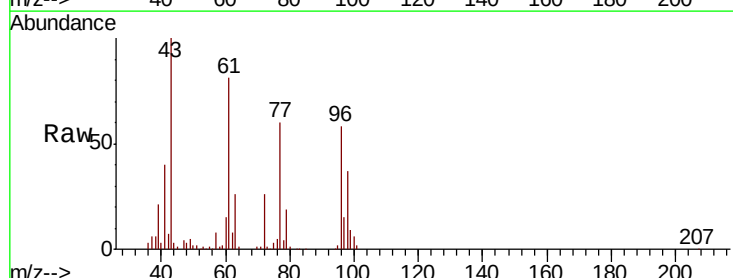
Manual Integrations
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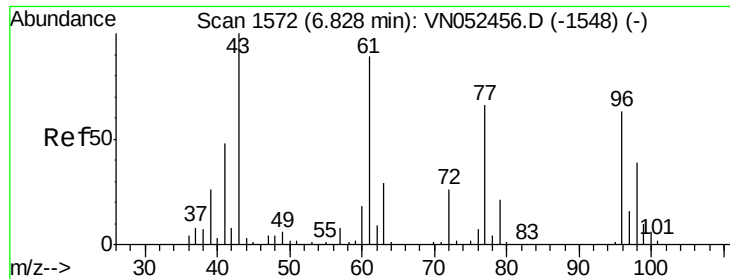
MMDadoda
 12/13/2018 1:29:31 PM



#30
 2-Butanone
 Concen: 103.282 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.2	9.4
72	26.9	21.0	31.6





#31

2,2-Dichloropropane

Concen: 20.988 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 256368

Ion Ratio Lower Upper

77 100

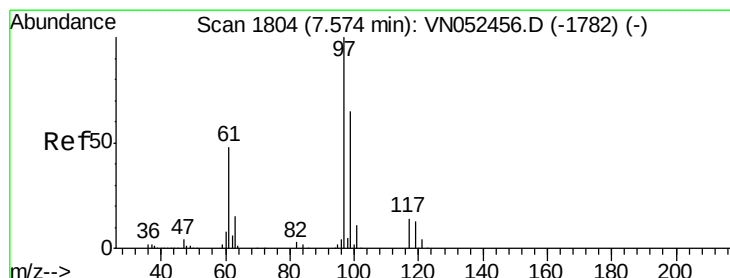
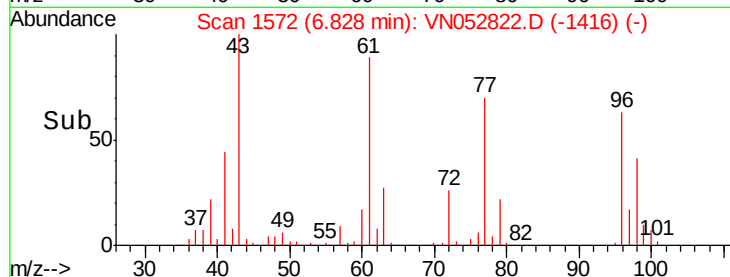
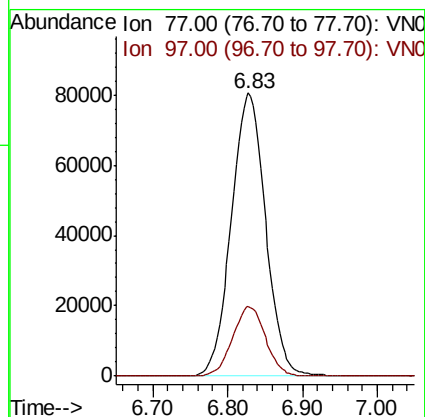
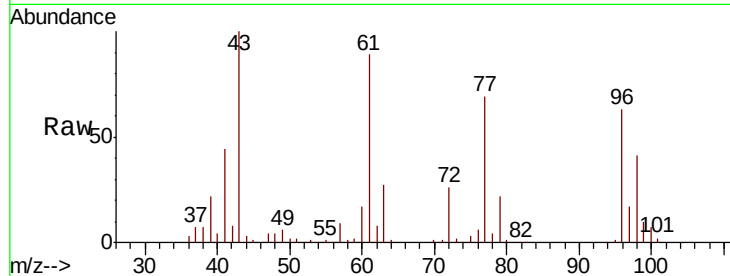
97 23.6 18.7 28.1

Manual Integrations

APPROVED

MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 20.711 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

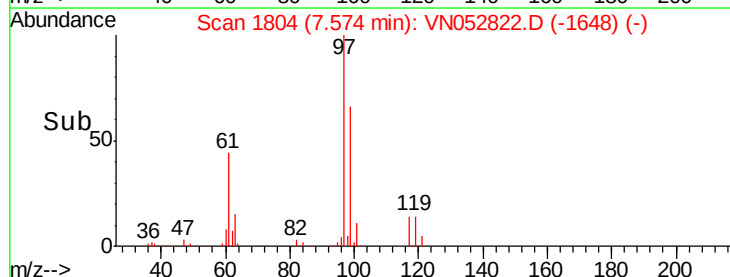
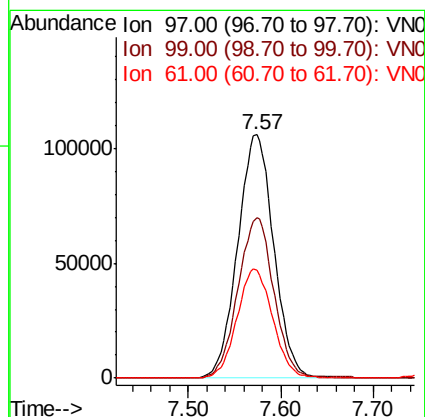
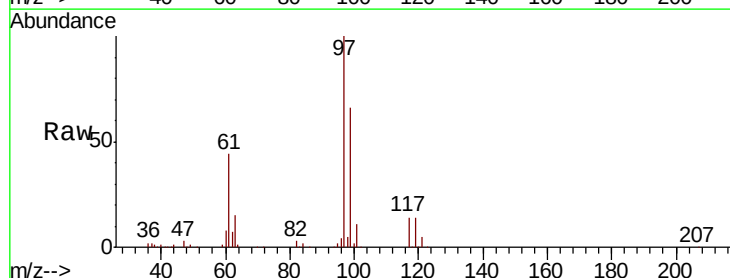
Tgt Ion: 97 Resp: 285930

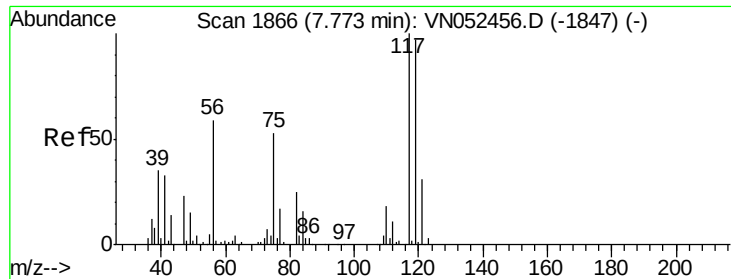
Ion Ratio Lower Upper

97 100

99 65.4 50.9 76.3

61 44.2 38.1 57.1





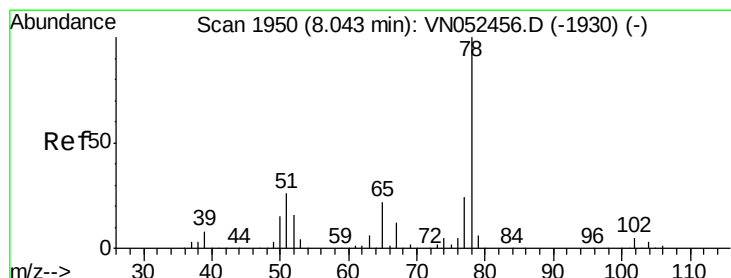
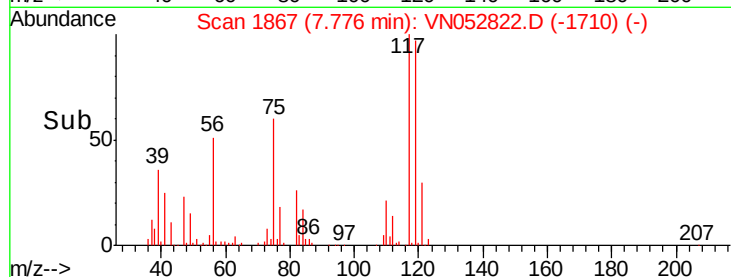
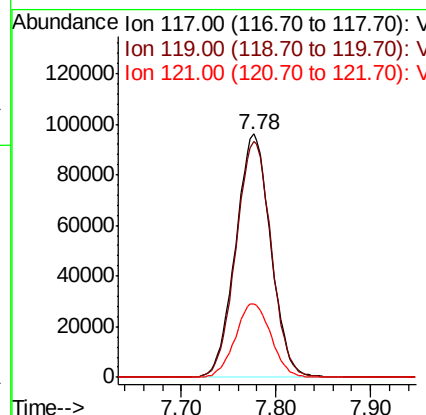
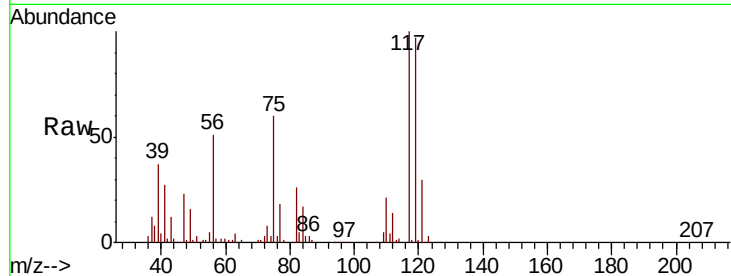
#33
Carbon Tetrachloride
Concen: 20.513 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.3	115.9
121	30.4	24.9	37.3

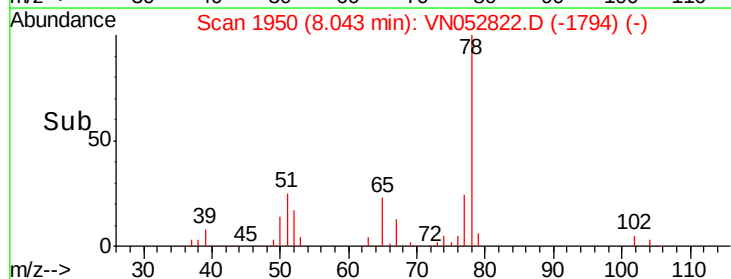
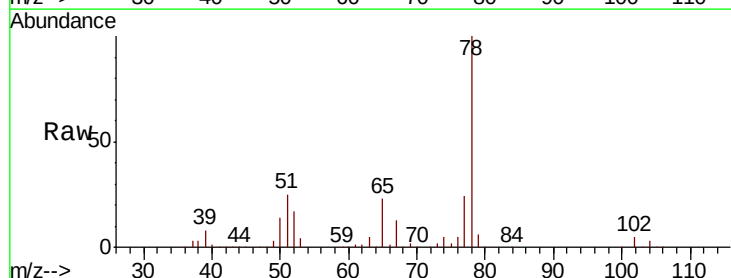
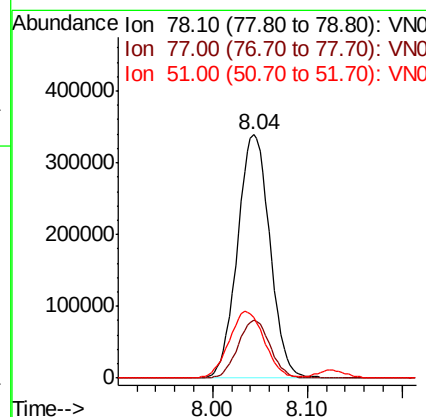
Manual Integrations
APPROVED

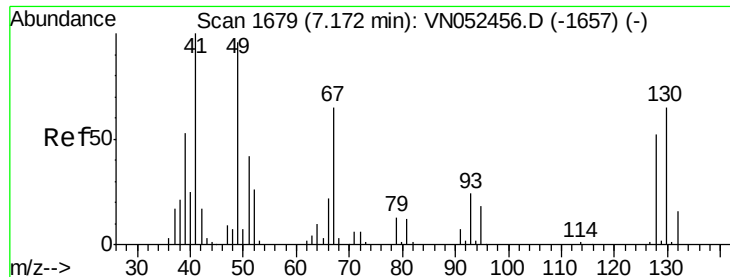
MMDadoda
12/13/2018 1:29:31 PM



#34
Benzene
Concen: 20.294 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6
51	24.9	20.5	30.7





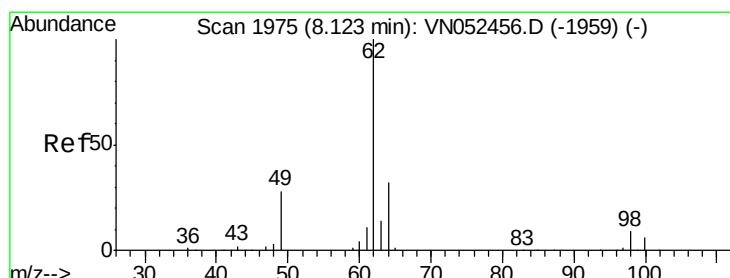
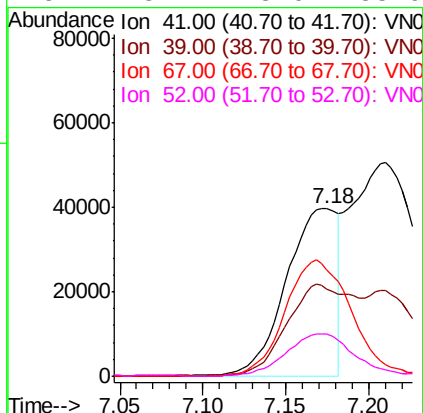
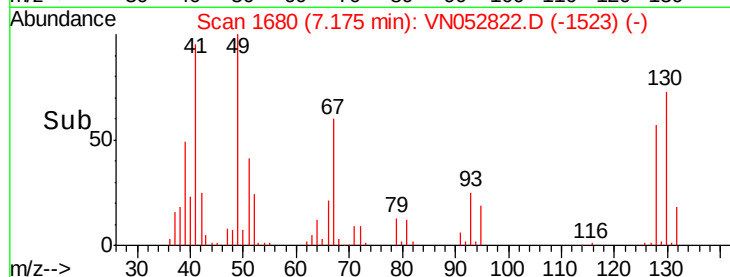
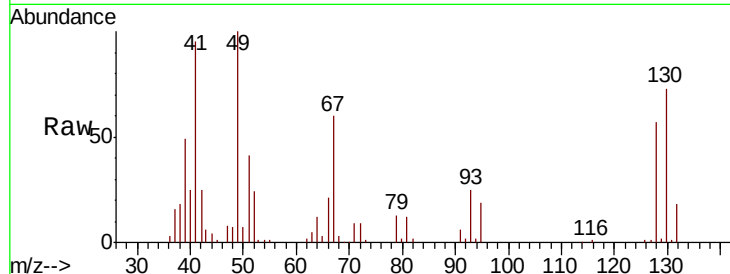
#35
Methacrylonitrile
Concen: 19.420 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	26.6	79.7	
67	63.3	32.3	96.9	
52	25.2	13.0	38.9	

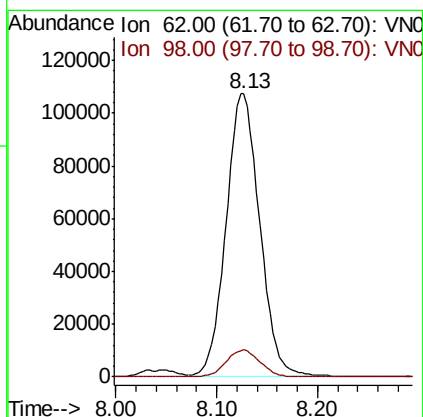
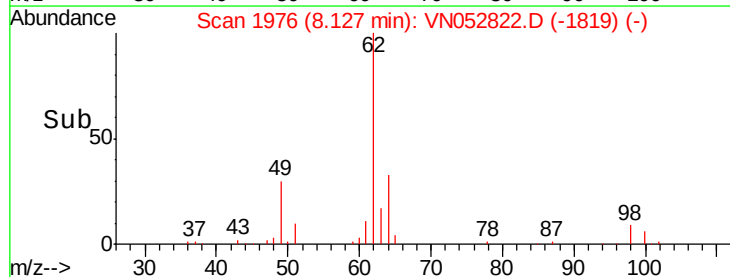
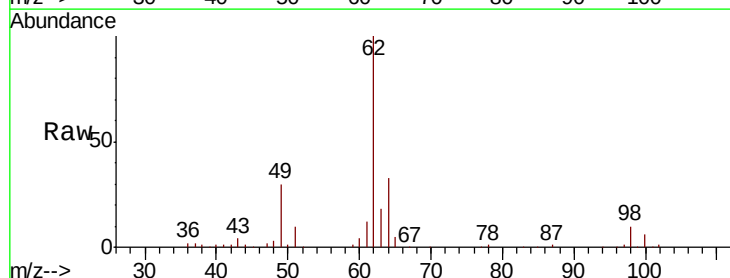
Manual Integrations
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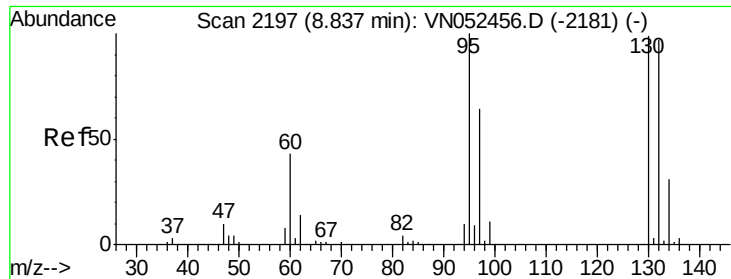
MMDadoda
12/13/2018 1:29:31 PM



#36
1,2-Dichloroethane
Concen: 20.601 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

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





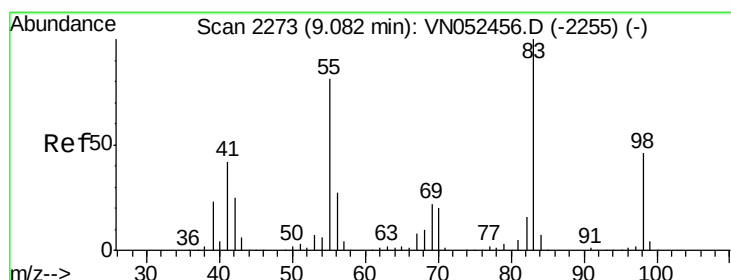
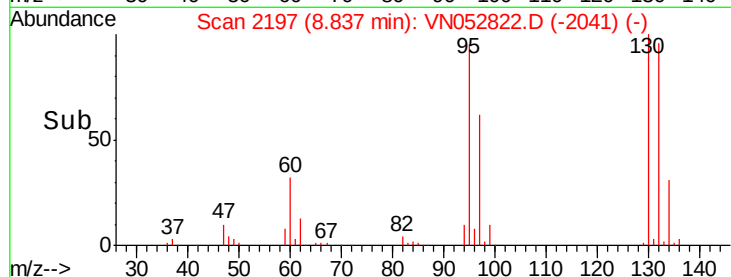
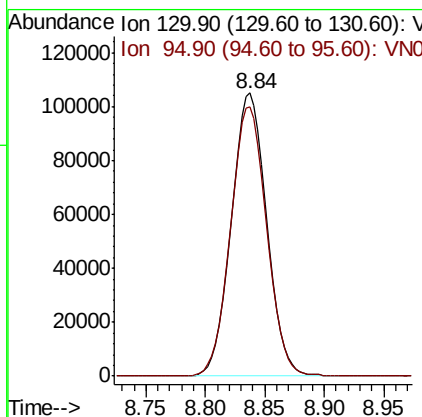
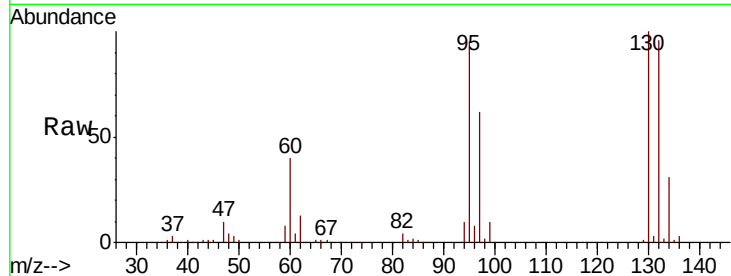
#37
 Trichloroethene
 Concen: 21.348 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 215950
 Ion Ratio Lower Upper
 130 100
 95 94.9 81.0 121.4

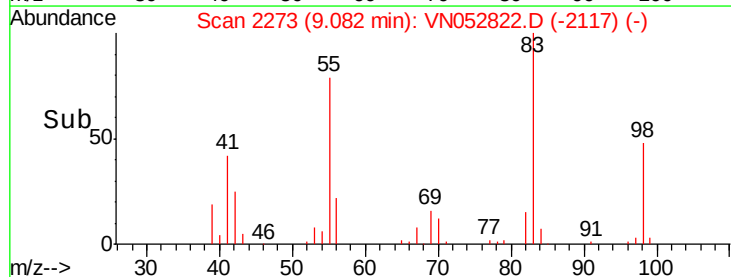
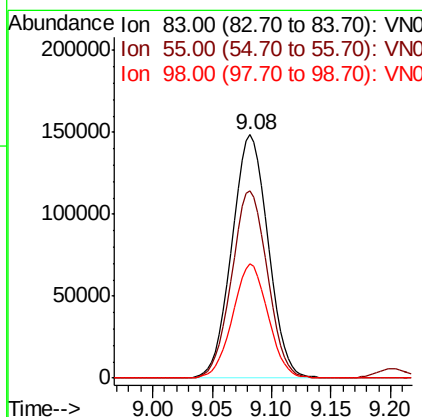
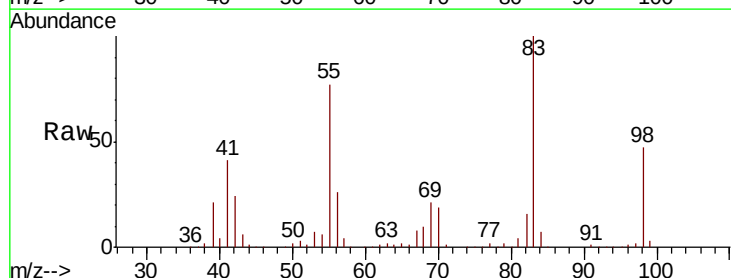
Manual Integrations
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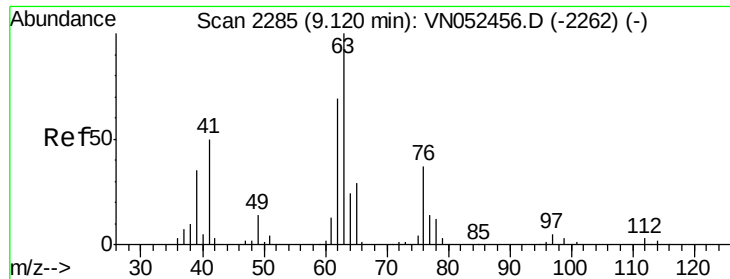
MMDadoda
 12/13/2018 1:29:31 PM



#38
 Methylcyclohexane
 Concen: 19.147 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 83 Resp: 314476
 Ion Ratio Lower Upper
 83 100
 55 76.1 39.8 119.4
 98 45.9 22.9 68.5





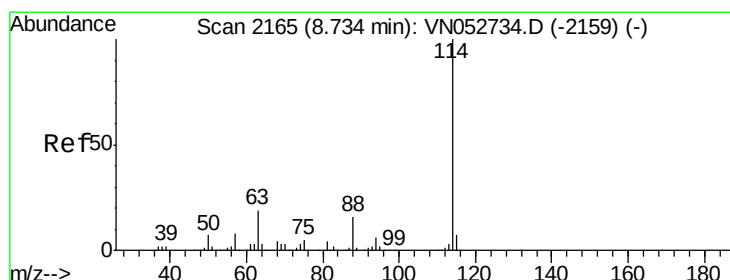
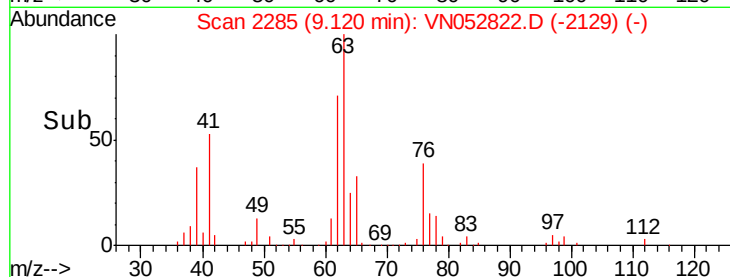
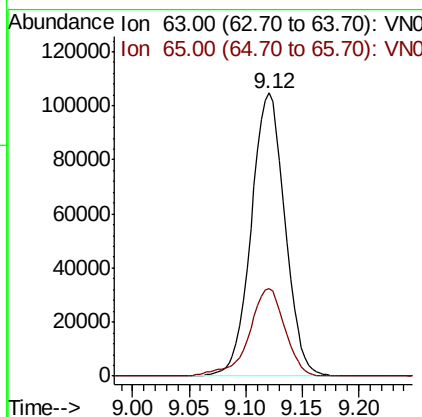
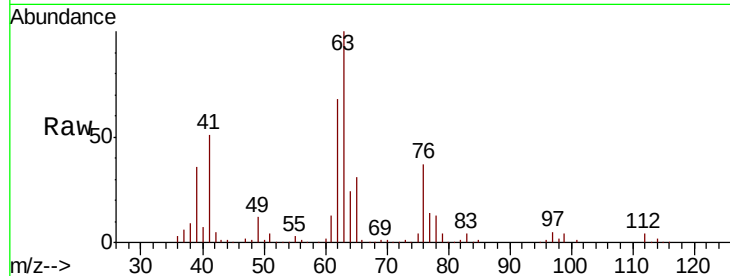
#39
 1,2-Dichloropropane
 Concen: 20.302 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.6	35.4

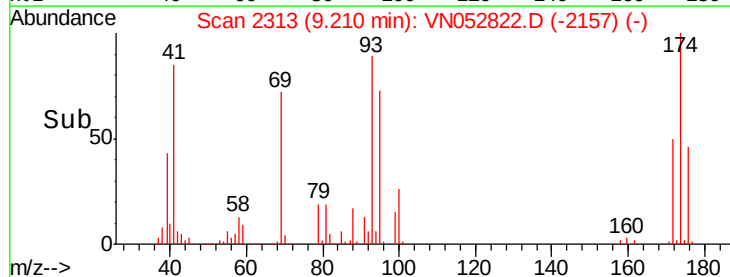
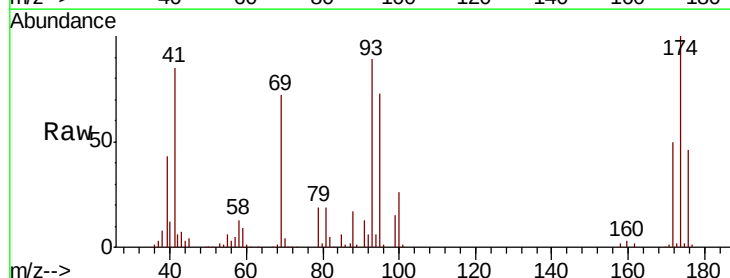
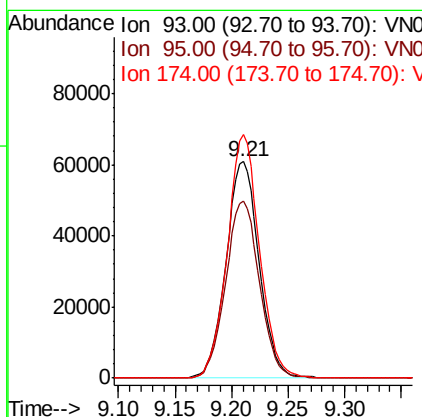
Manual Integrations
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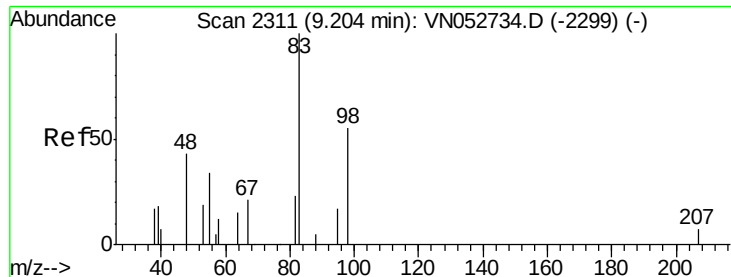
MMDadoda
 12/13/2018 1:29:31 PM



#40
 Dibromomethane
 Concen: 21.487 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	0.0	168.4
174	109.4	0.0	210.0





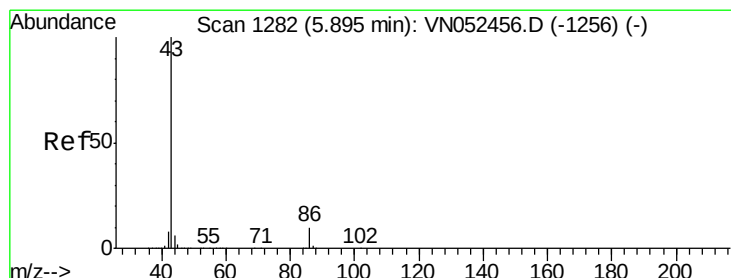
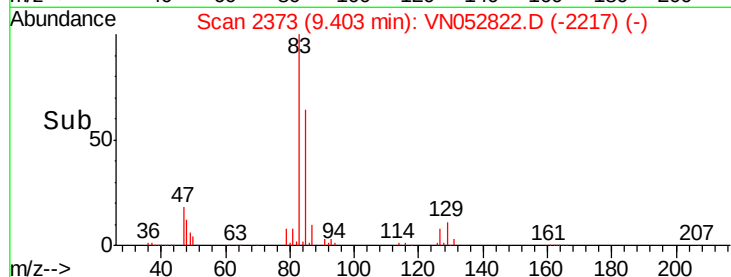
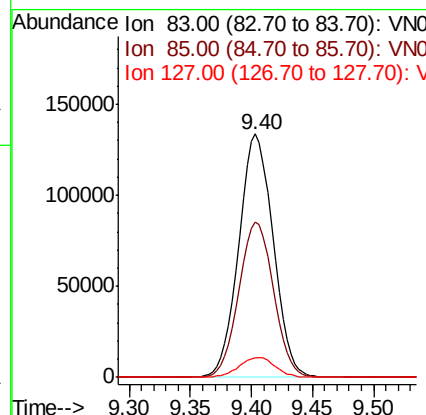
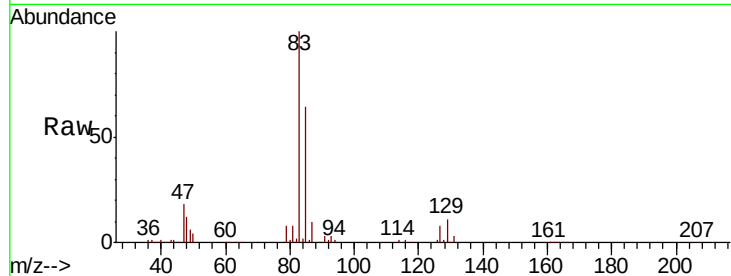
#41
 Bromodichloromethane
 Concen: 20.468 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	261310
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	52.4	78.6
127	8.0	6.6	9.8

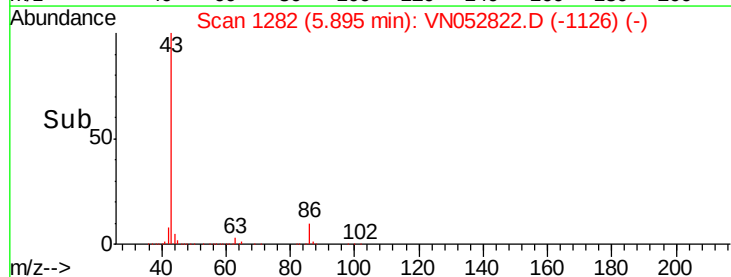
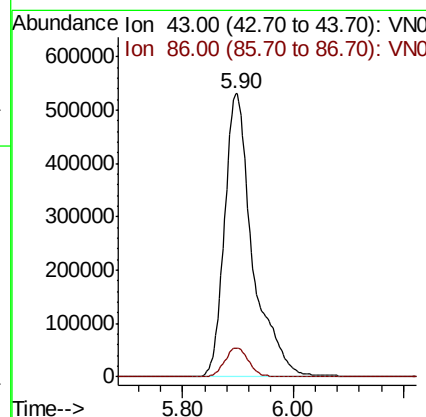
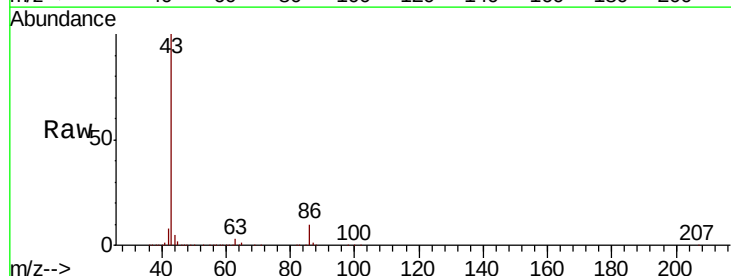
Manual Integrations
 APPROVED

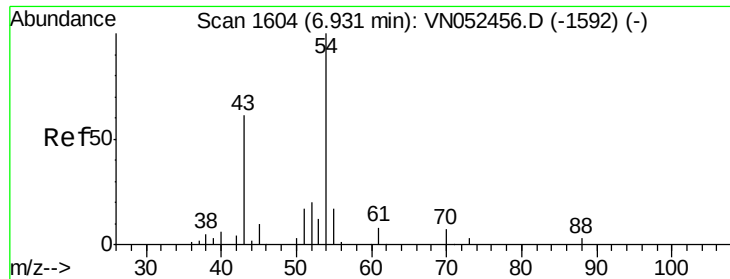
MMDadoda
 12/13/2018 1:29:31 PM



#42
 Vinyl Acetate
 Concen: 97.678 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	43	Resp	1876361
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	6.5	9.7





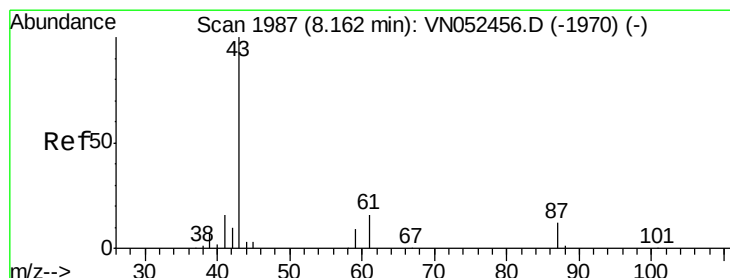
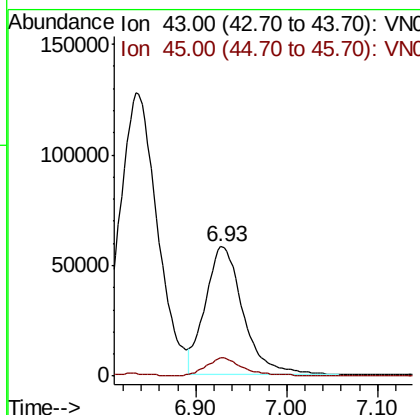
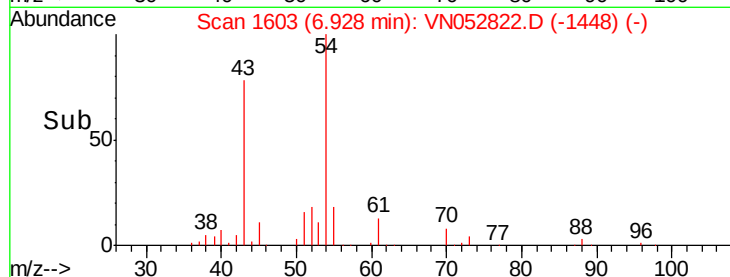
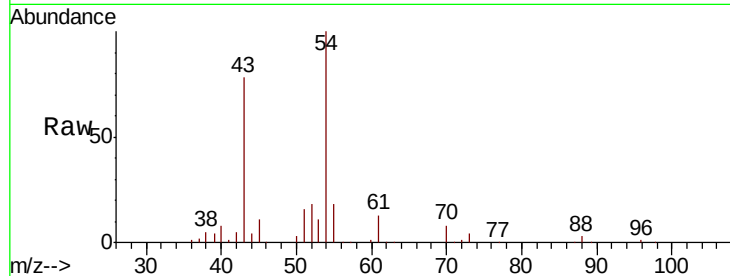
#43
Ethyl Acetate
Concen: 22.187 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 167499
Ion Ratio Lower Upper
43 100
45 12.5 1.0 1.6#

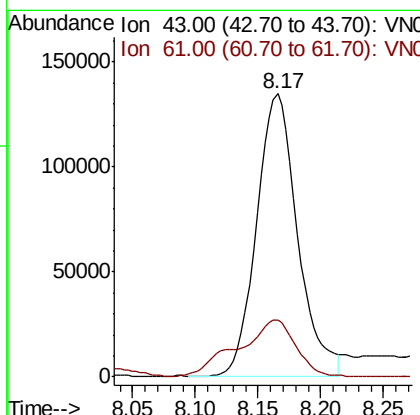
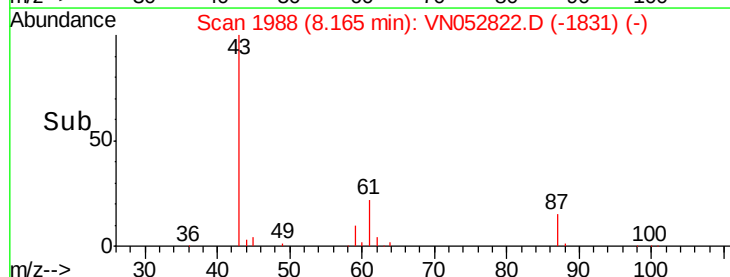
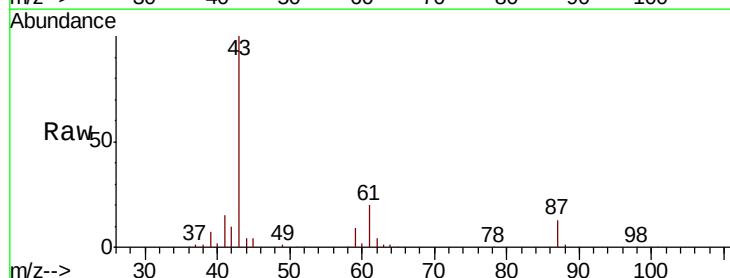
Manual Integrations
APPROVED

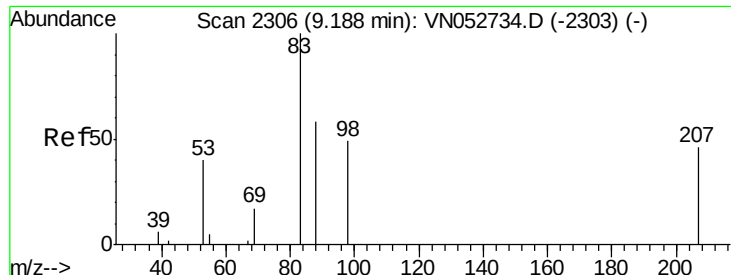
MMDadoda
12/13/2018 1:29:31 PM



#44
Isopropyl Acetate
Concen: 23.121 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion: 43 Resp: 306131
Ion Ratio Lower Upper
43 100
61 17.3 16.0 24.0





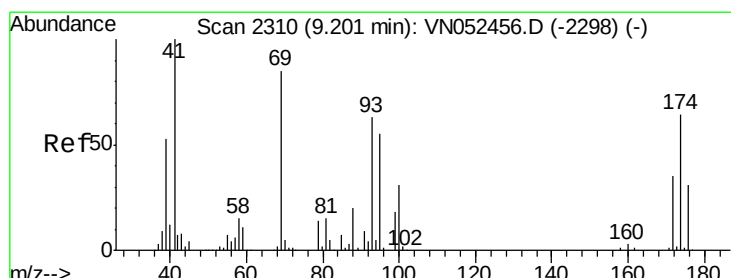
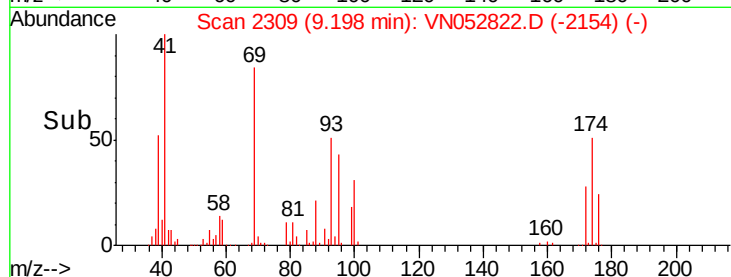
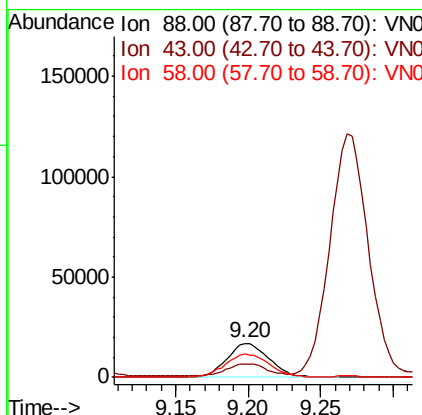
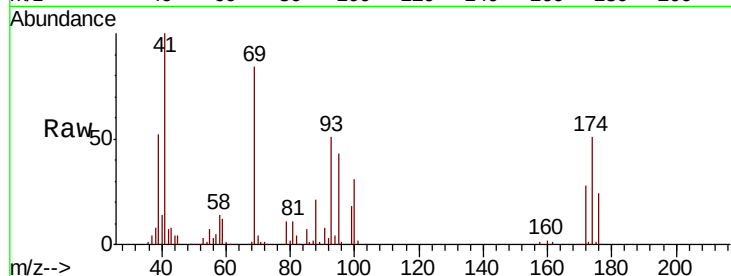
#45
 1,4-Dioxane
 Concen: 474.096 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 34340
 Ion Ratio Lower Upper
 88 100
 43 35.6 29.5 44.3
 58 72.1 61.5 92.3

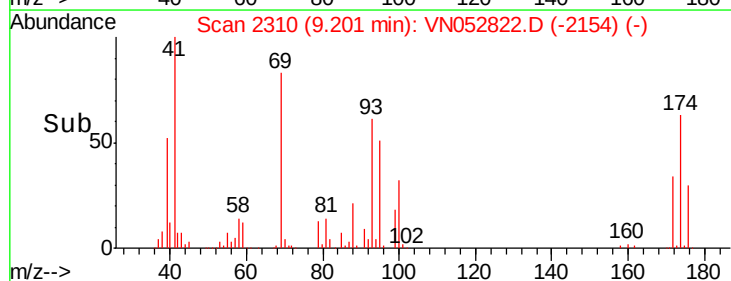
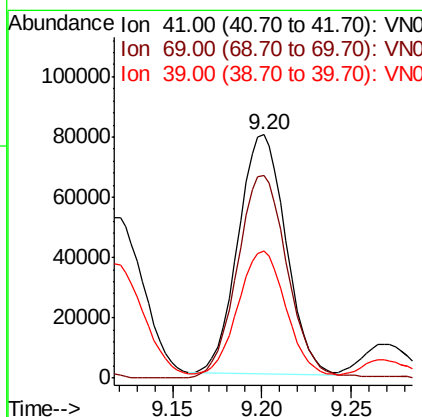
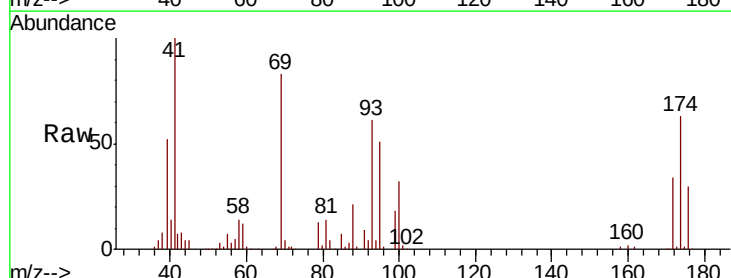
Manual Integrations
 APPROVED

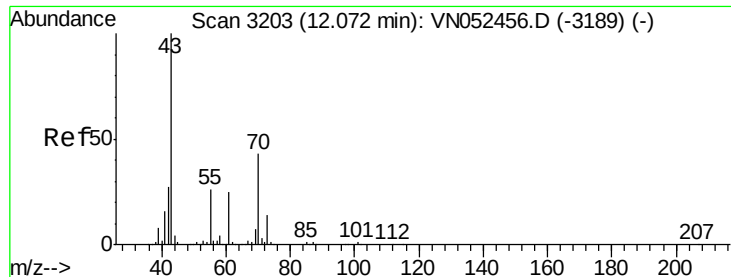
MMDadoda
 12/13/2018 1:29:31 PM



#46
 Methyl methacrylate
 Concen: 21.501 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion: 41 Resp: 147808
 Ion Ratio Lower Upper
 41 100
 69 85.2 42.5 127.6
 39 52.0 26.3 78.9





#47

n-amvl Acetate

Concen: 22.572 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 247797

Ion Ratio Lower Upper

43 100

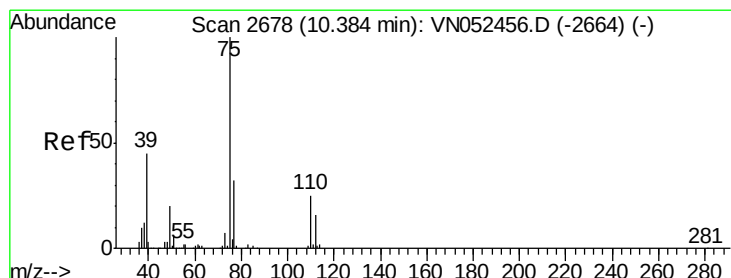
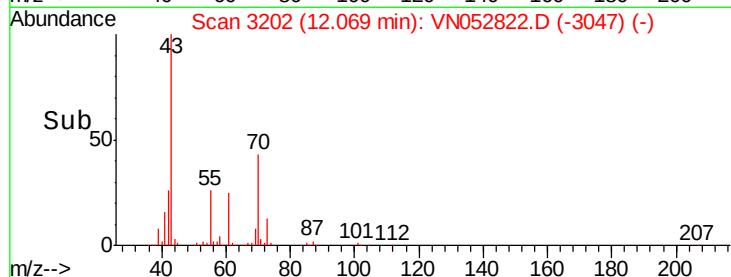
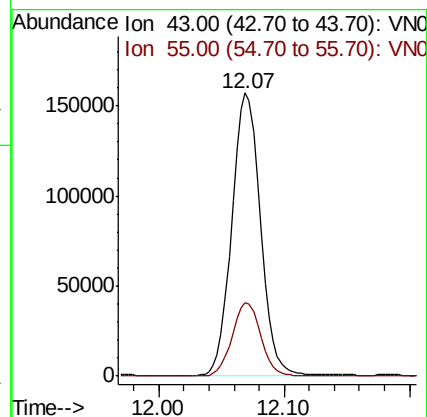
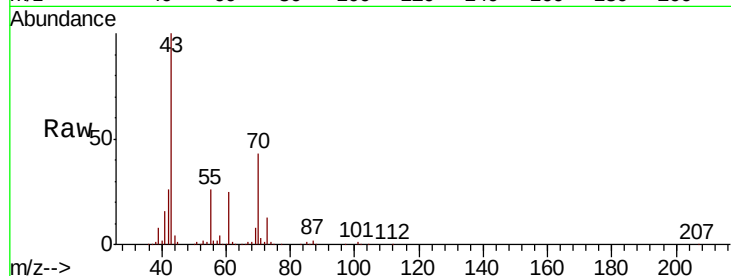
55 26.1 21.1 31.7

Manual Integrations

APPROVED

MMDadoda

12/13/2018 1:29:31 PM



#48

t-1,3-Dichloropropene

Concen: 20.803 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052822.D

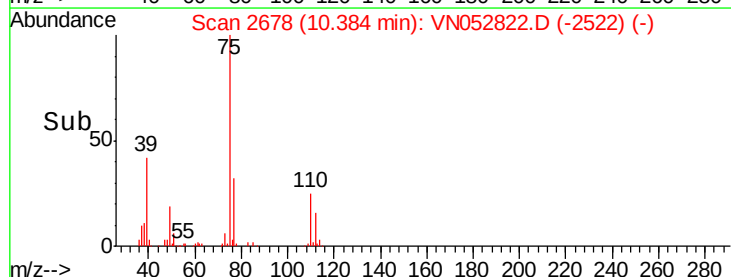
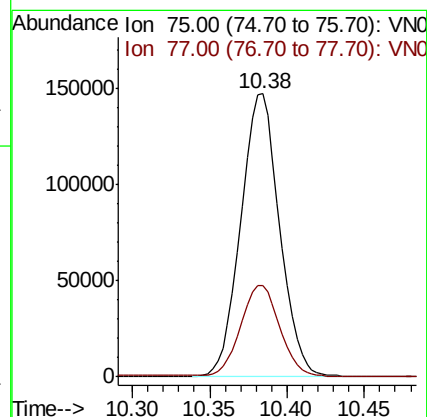
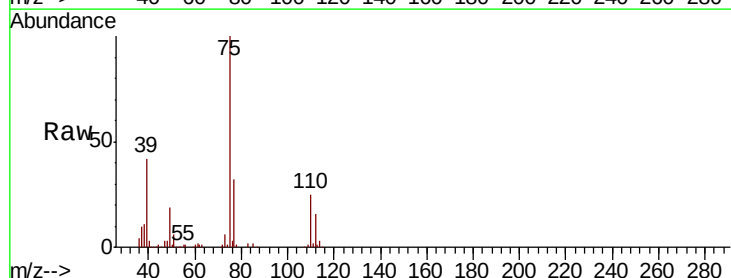
Acq: 12 Dec 2018 12:56

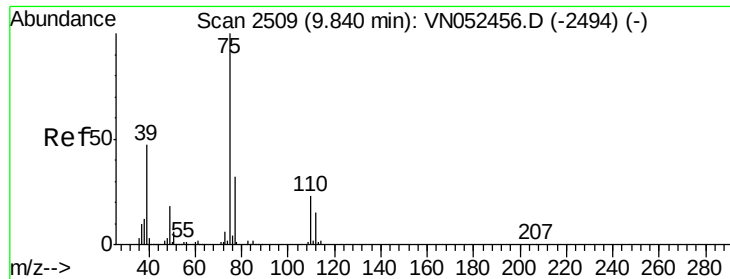
Tgt Ion: 75 Resp: 257516

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.480 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

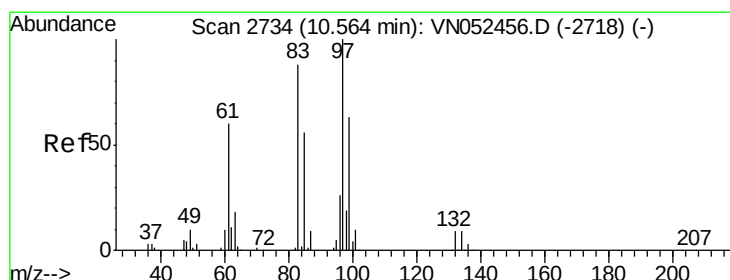
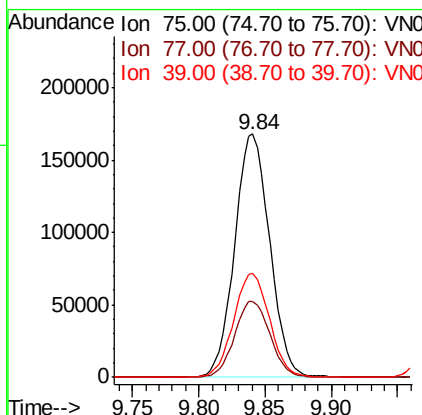
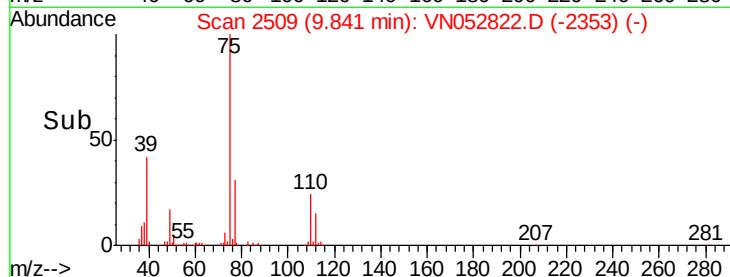
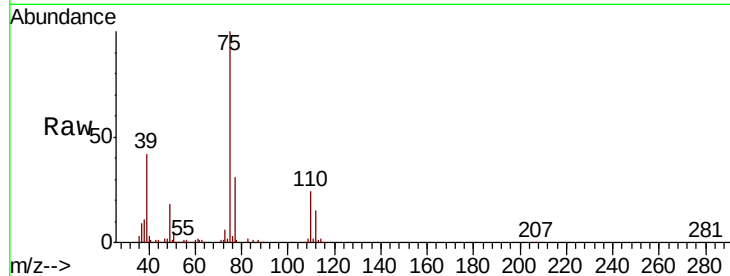
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	308870
Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	42.4	37.3	55.9

Manual Integrations
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12/13/2018 1:29:31 PM



#50

1,1,2-Trichloroethane

Concen: 21.764 ug/l

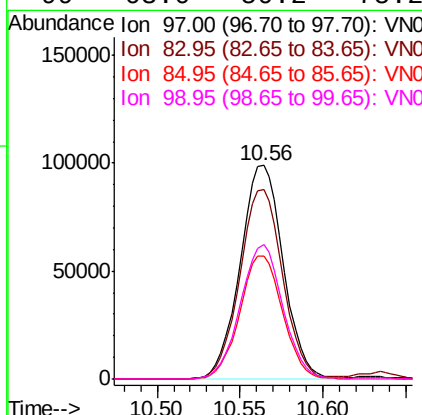
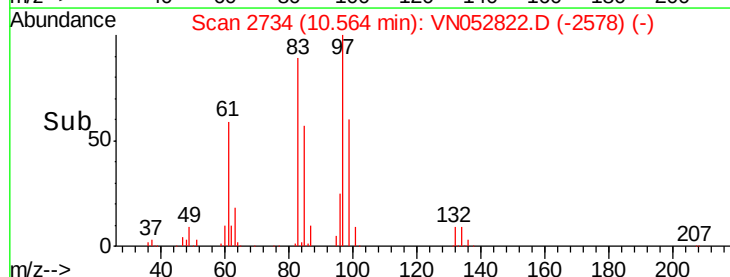
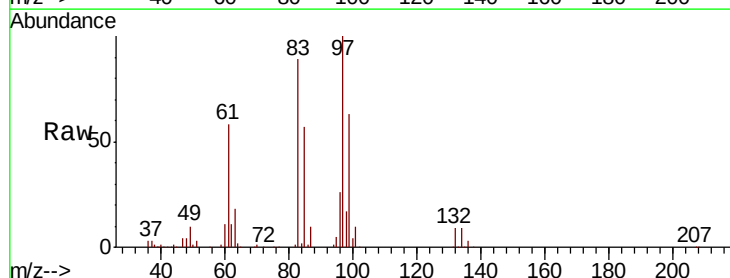
RT: 10.56 min Scan# 2734

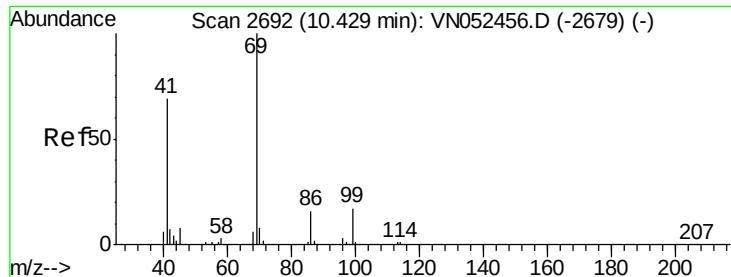
Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	97	Resp:	178273
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.4	105.6
85	57.4	45.0	67.6
99	63.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 22.217 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

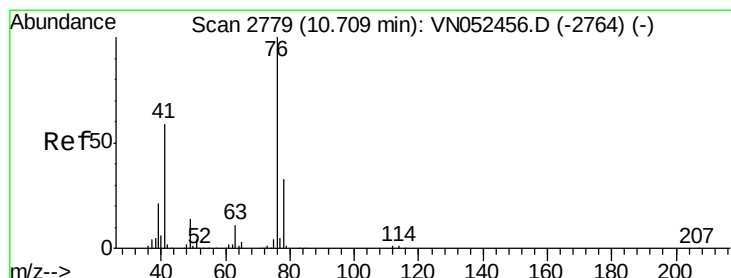
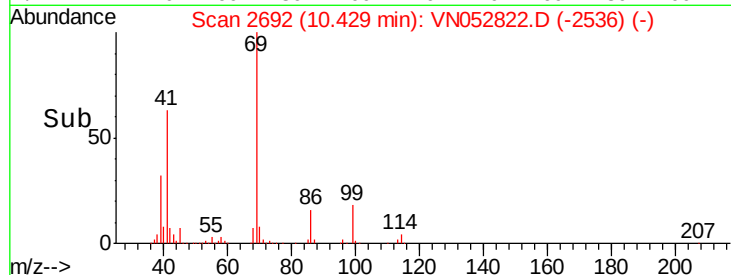
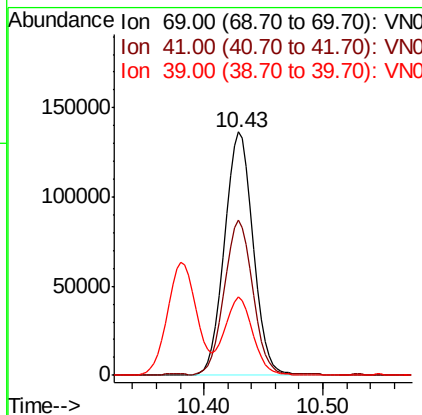
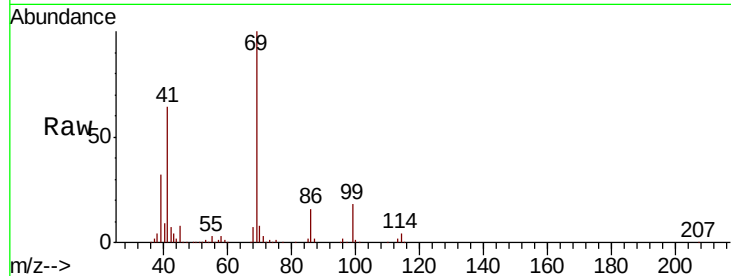
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	228559
Ion	Ratio	Lower	Upper
69	100		
41	63.2	34.4	103.3
39	31.7	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.126 ug/l

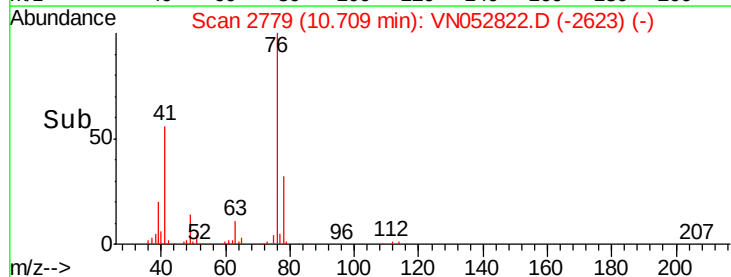
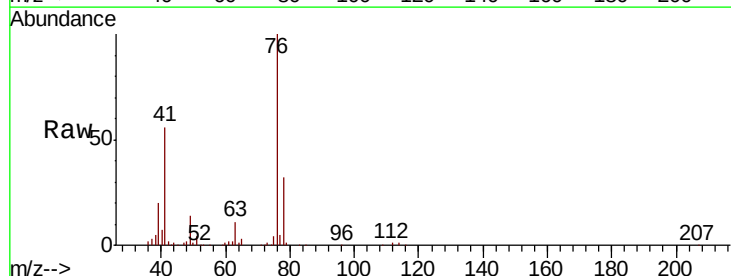
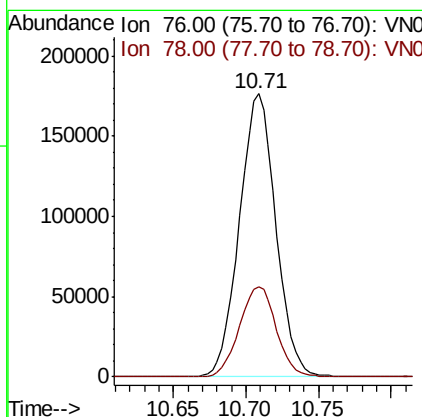
RT: 10.71 min Scan# 2779

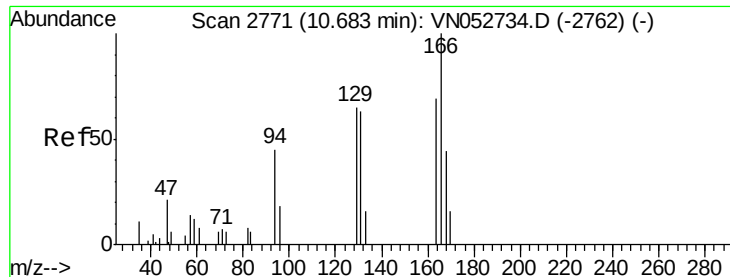
Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	76	Resp:	308011
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	64.8





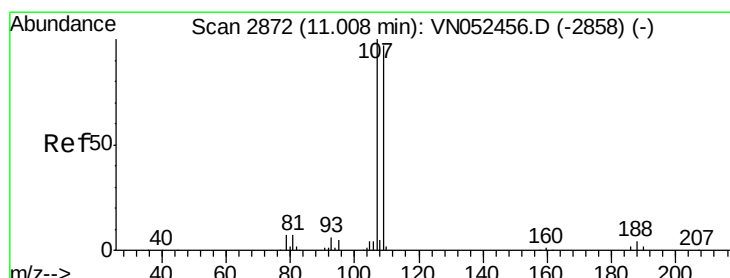
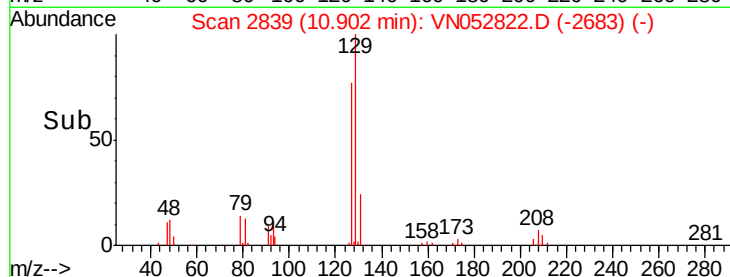
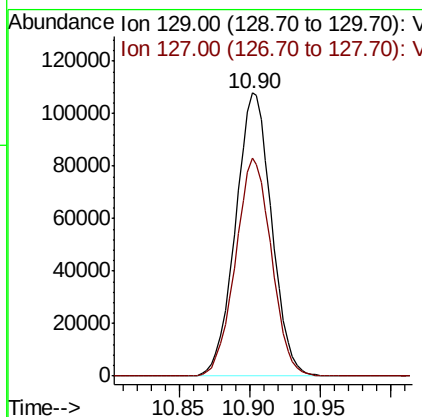
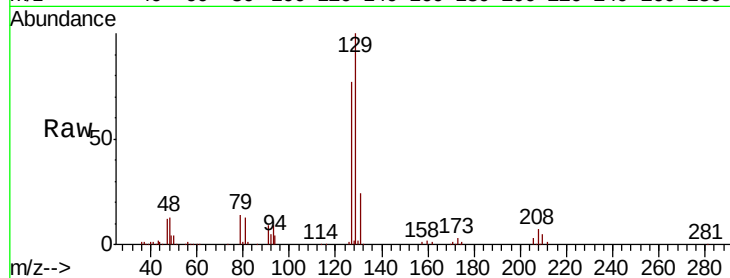
#53
Dibromochloromethane
Concen: 21.397 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 192961
Ion Ratio Lower Upper
129 100
127 76.7 37.6 112.8

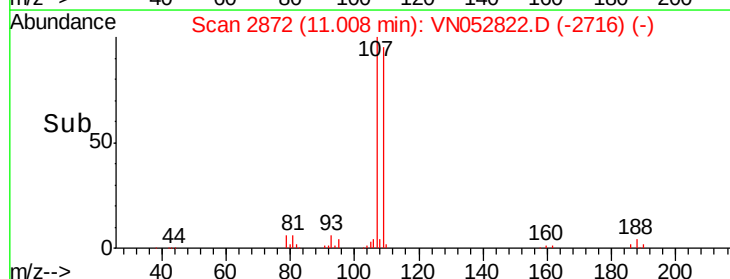
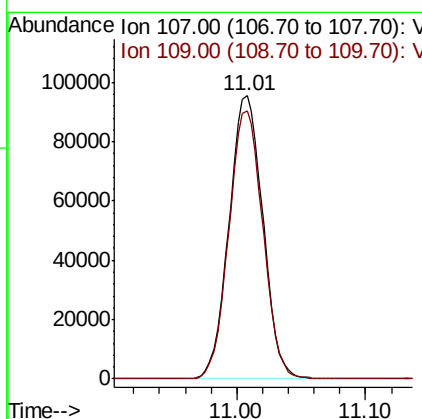
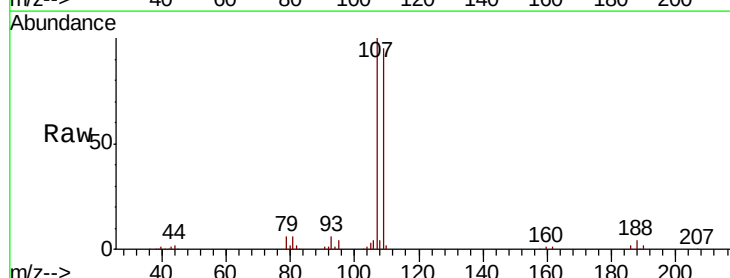
Manual Integrations
APPROVED

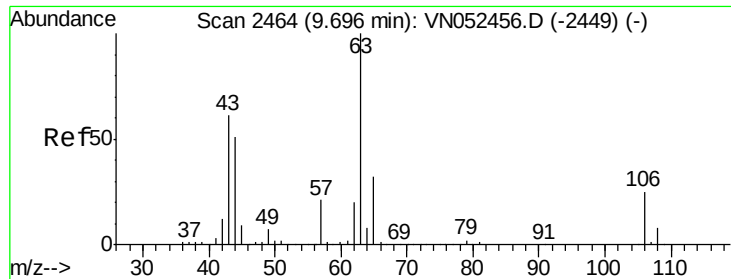
MMDadoda
12/13/2018 1:29:31 PM



#54
1,2-Dibromoethane
Concen: 21.762 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion:107 Resp: 174180
Ion Ratio Lower Upper
107 100
109 95.0 77.1 115.7





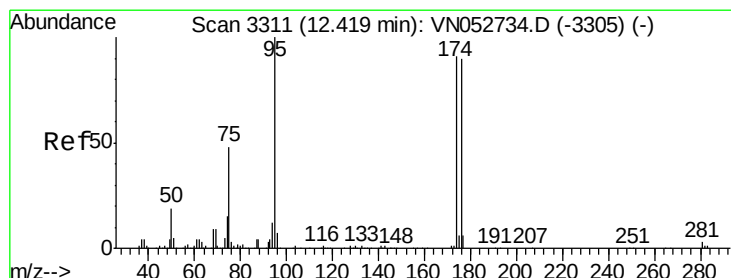
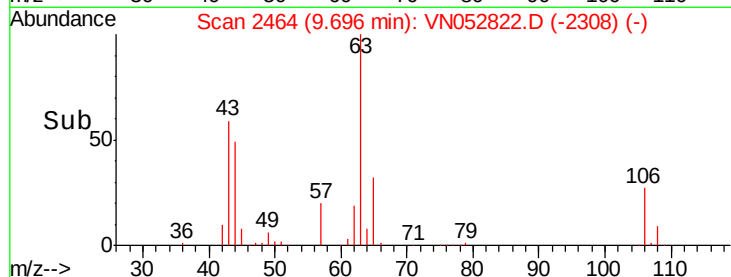
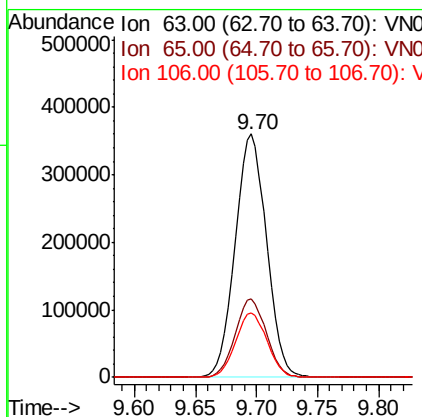
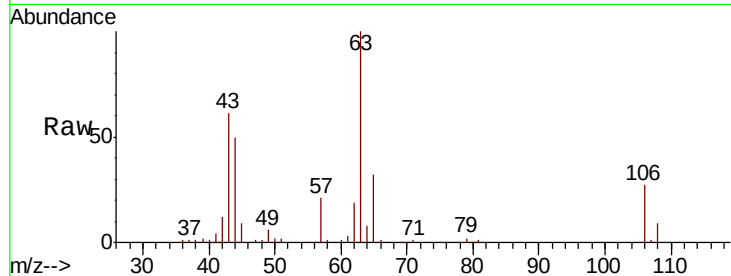
#55
2-Chloroethyl vinyl ether
Concen: 106.678 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.2
106	26.5	20.4	30.6

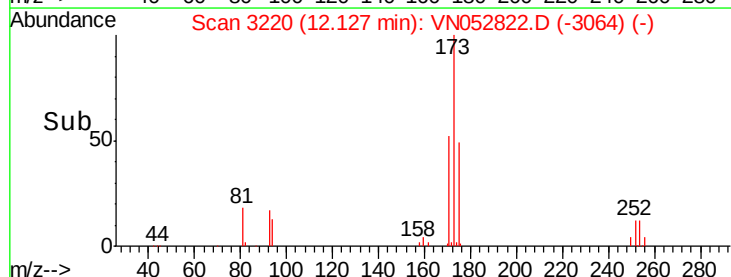
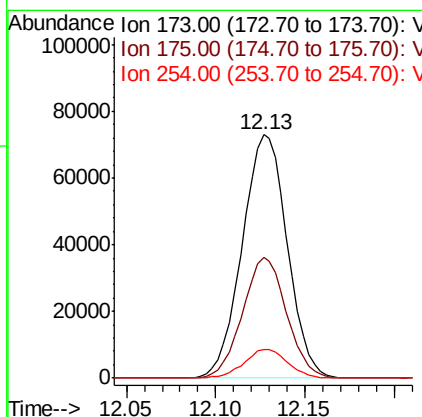
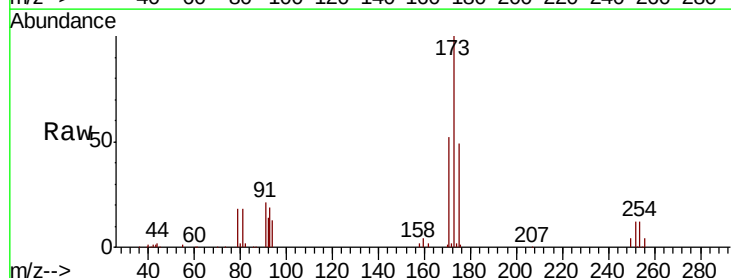
Manual Integrations
APPROVED

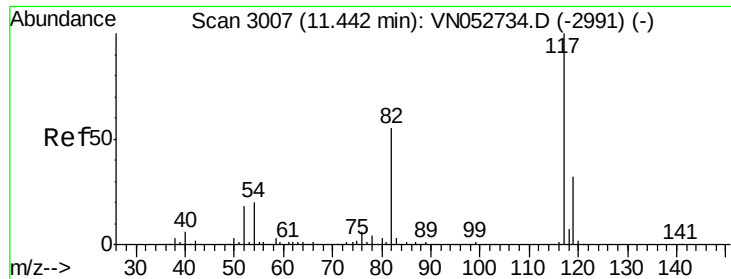
MMDadoda
12/13/2018 1:29:31 PM



#56
Bromoform
Concen: 21.781 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.7	58.1
254	11.4	8.4	12.6





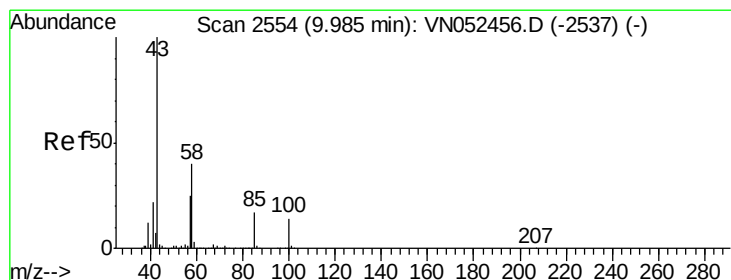
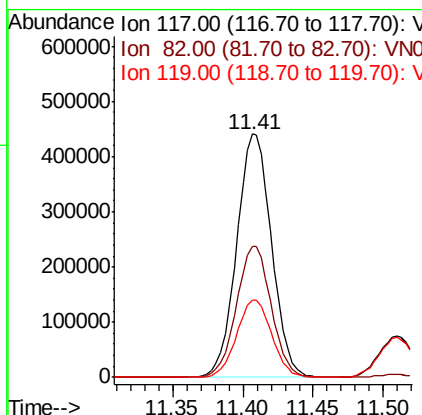
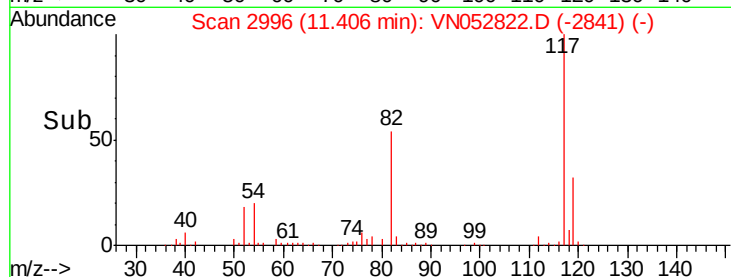
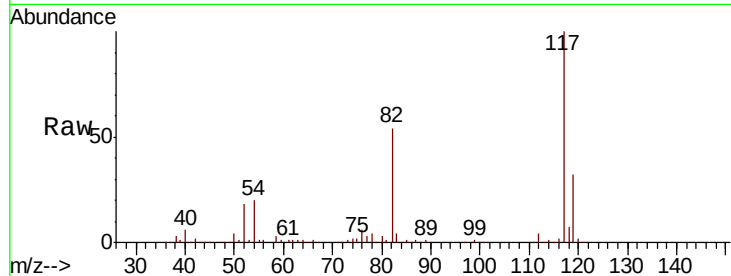
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	32.0	25.4	38.2

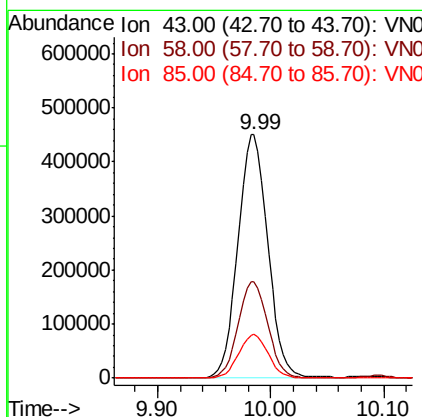
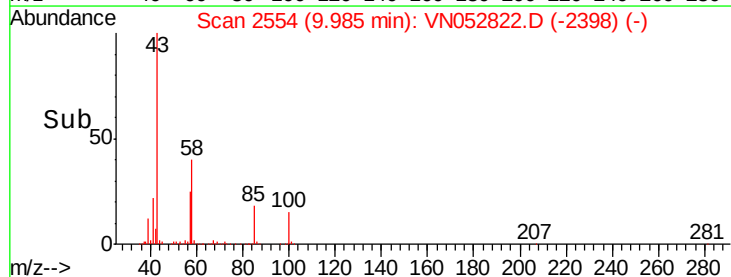
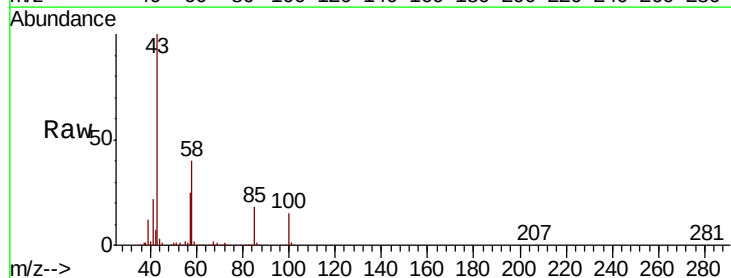
Manual Integrations
APPROVED

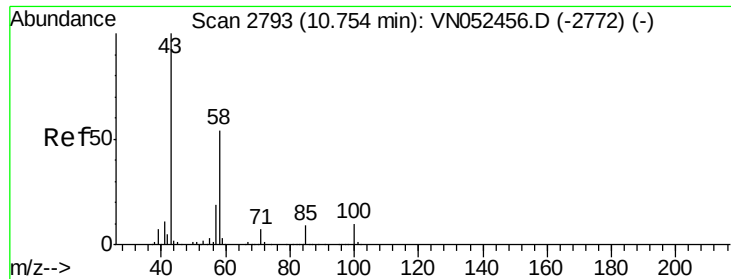
MMDadoda
12/13/2018 1:29:31 PM



#58
4-Methyl-2-Pentanone
Concen: 112.046 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.6	47.4
85	17.8	13.3	19.9





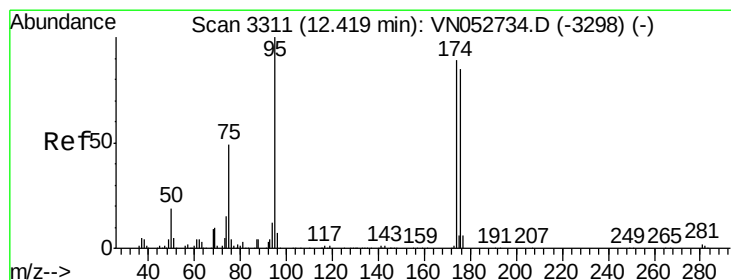
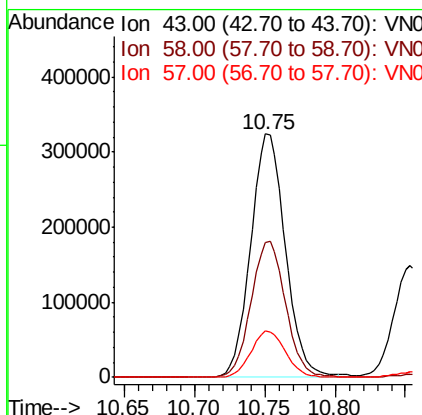
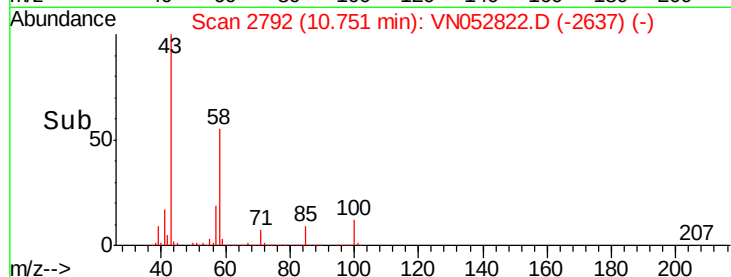
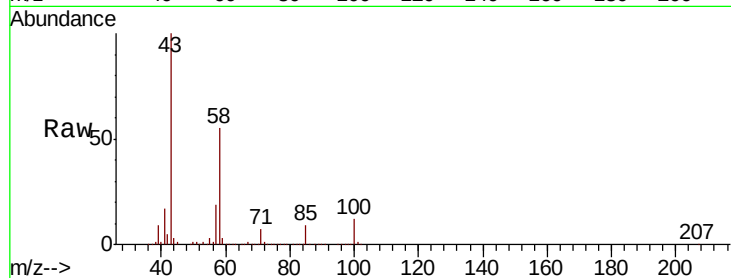
#59
2-Hexanone
Concen: 110.151 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	43.2	64.8
57	19.1	14.9	22.3

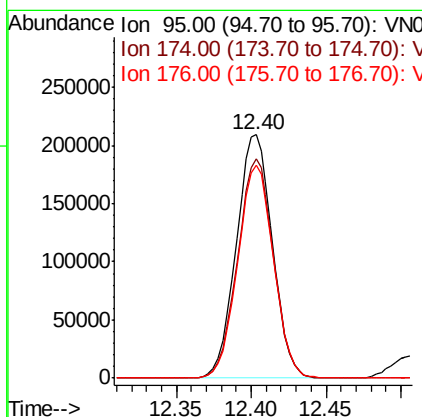
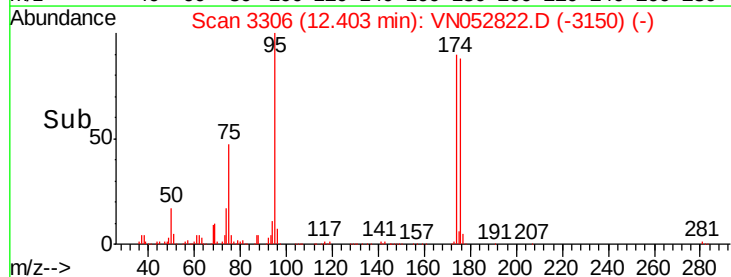
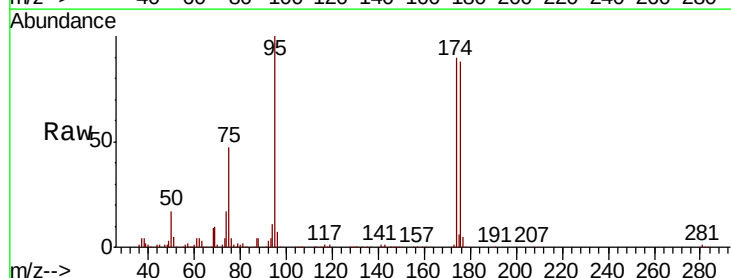
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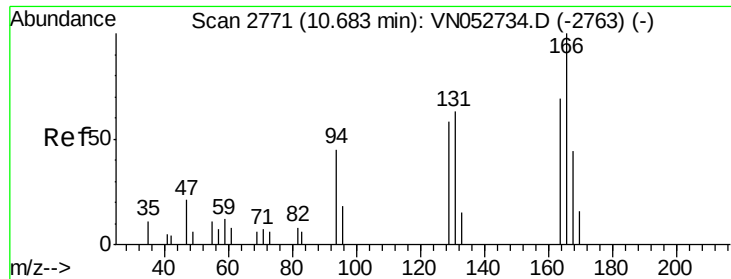
MMDadoda
12/13/2018 1:29:31 PM



#60
4-Bromofluorobenzene
Concen: 110.151 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	67.9	101.9
176	86.7	66.4	99.6





#61

Tetrachloroethene

Concen: 24.178 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 226970

Ion Ratio Lower Upper

164 100

166 126.0 104.6 157.0

129 89.3 75.3 112.9

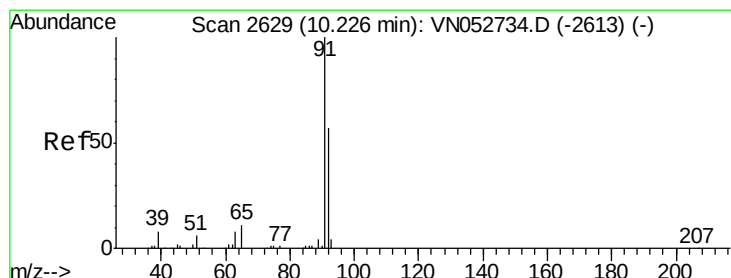
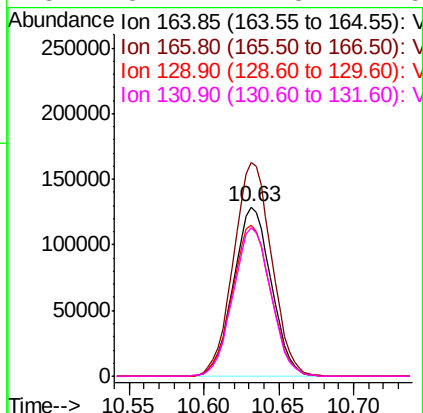
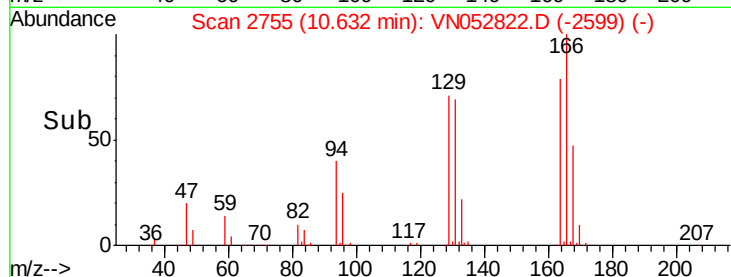
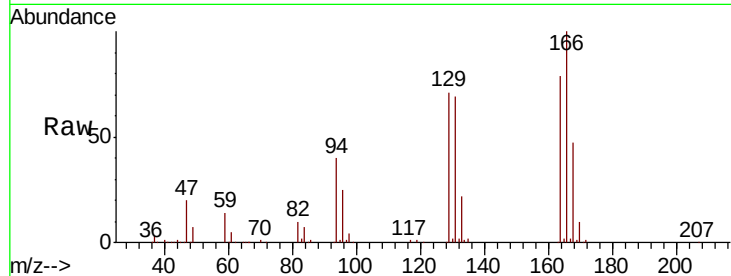
131 87.4 74.3 111.5

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#62

Toluene

Concen: 20.580 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052822.D

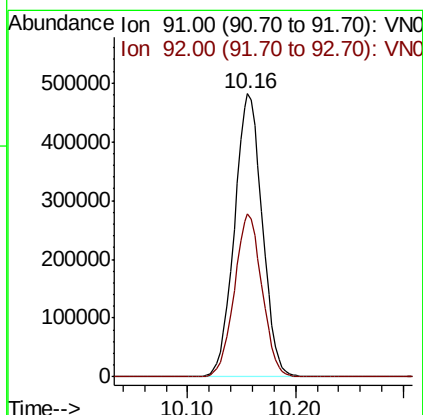
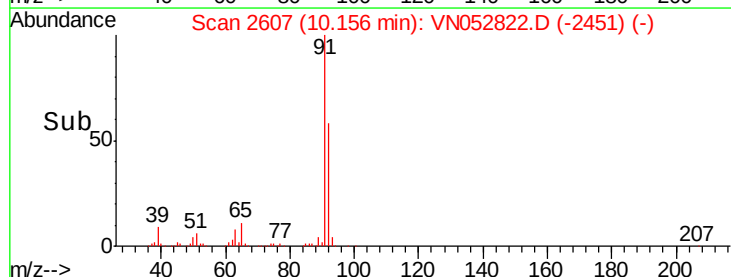
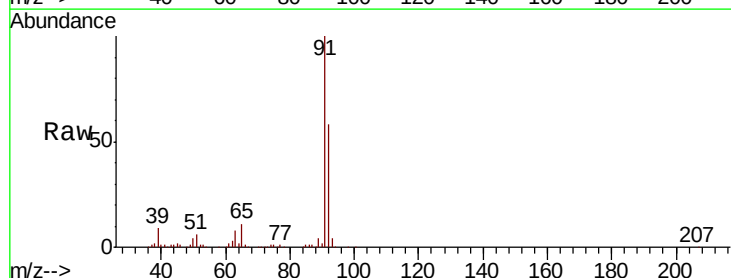
Acq: 12 Dec 2018 12:56

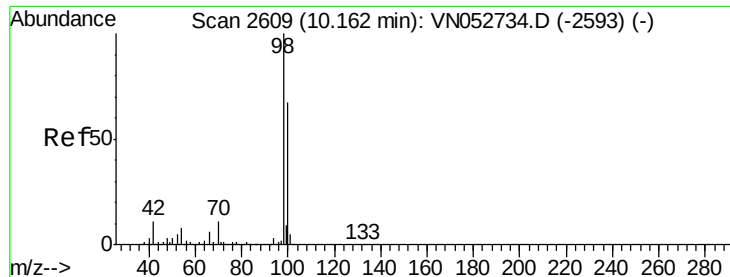
Tgt Ion: 91 Resp: 864740

Ion Ratio Lower Upper

91 100

92 57.1 45.4 68.2





#63

Toluene-d8

Concen: 20.580 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 1034227

Ion Ratio Lower Upper

98 100

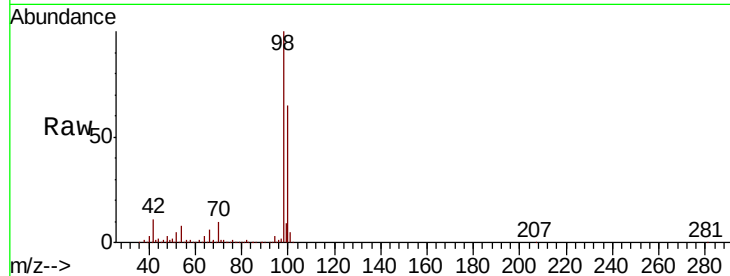
100 64.7 51.1 76.7

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN052822.D (-2593) (-)

Ion 100.00 (99.70 to 100.70): VN052822.D (-2593) (-)

10.09

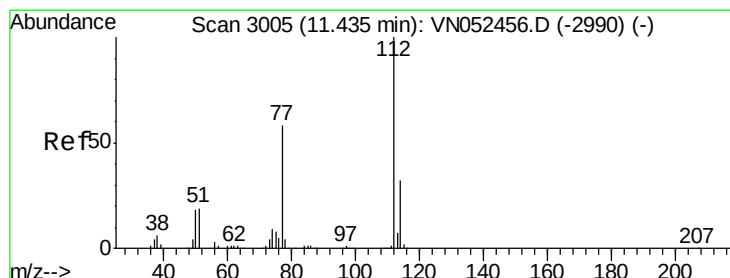
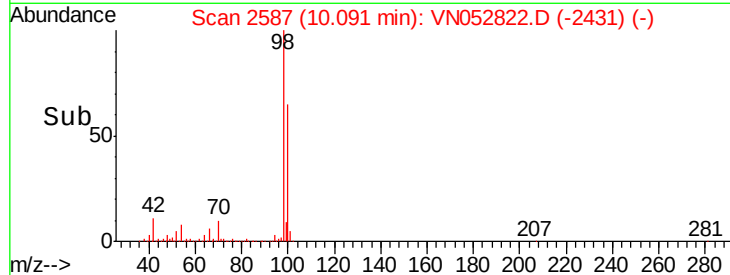
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 21.024 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052822.D

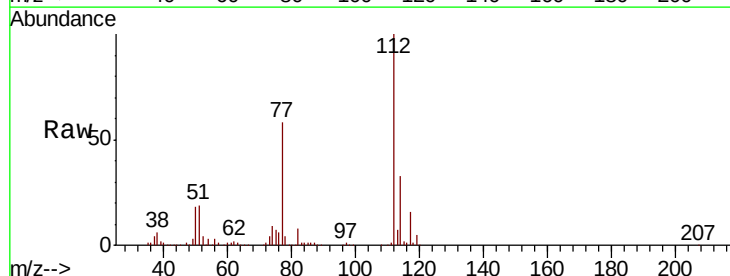
Acq: 12 Dec 2018 12:56

Tgt Ion: 112 Resp: 539193

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052822.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN052822.D (-2849) (-)

11.43

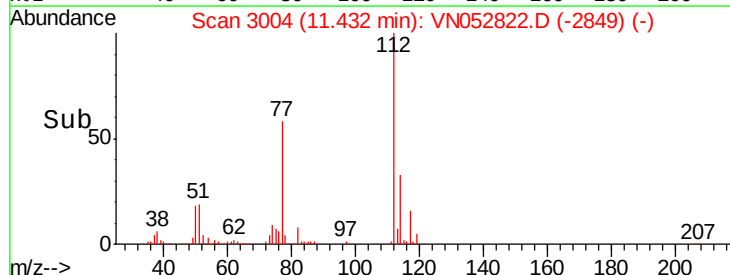
300000

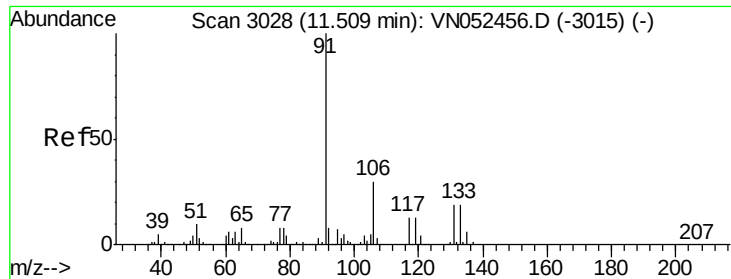
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.767 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

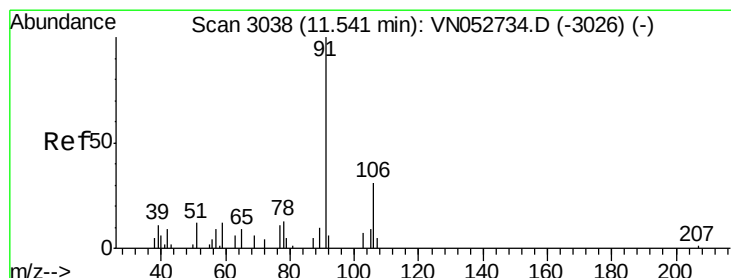
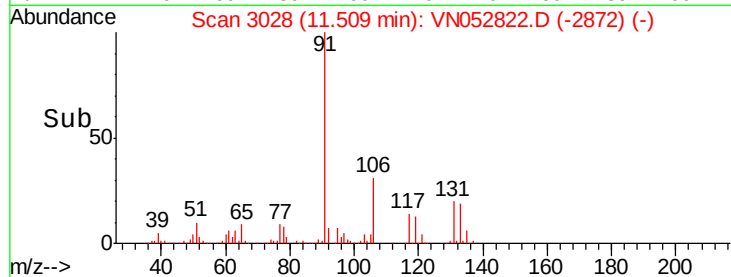
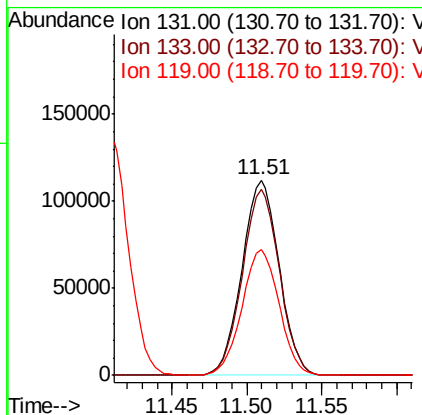
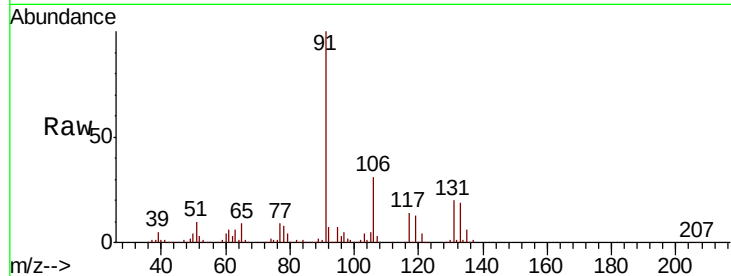
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	193771
Ion Ratio	Lower	Upper	
131	100		
133	95.0	0.0	193.4
119	64.6	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.571 ug/l

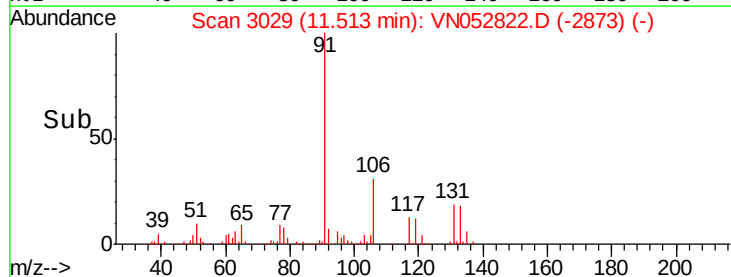
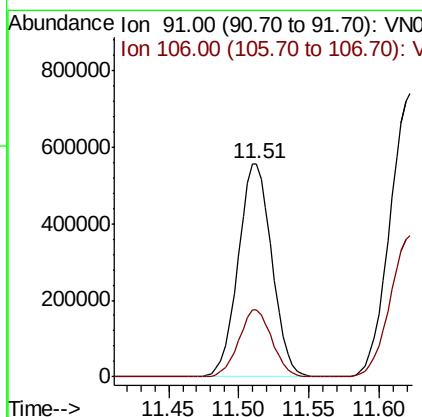
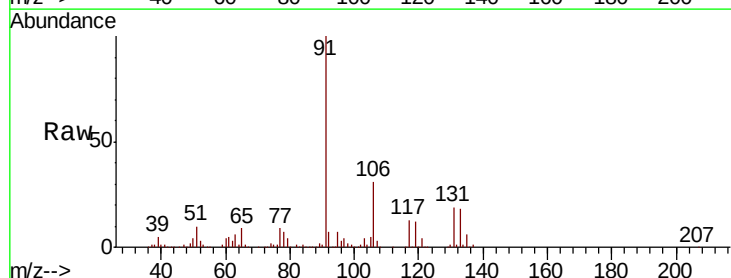
RT: 11.51 min Scan# 3029

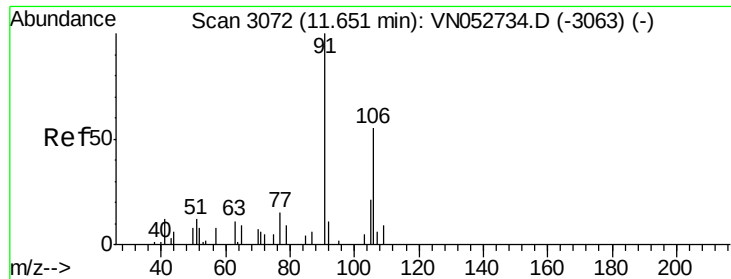
Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	91	Resp:	931560
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.3	36.5





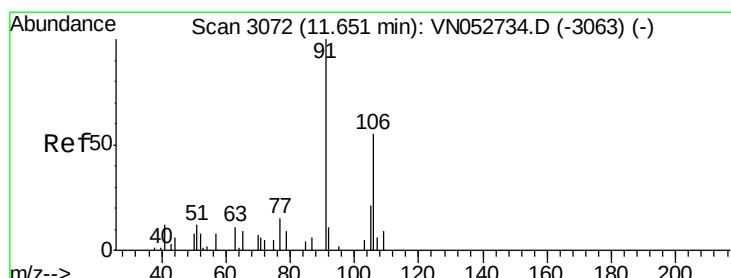
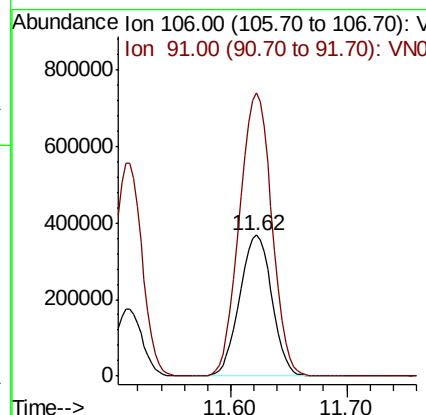
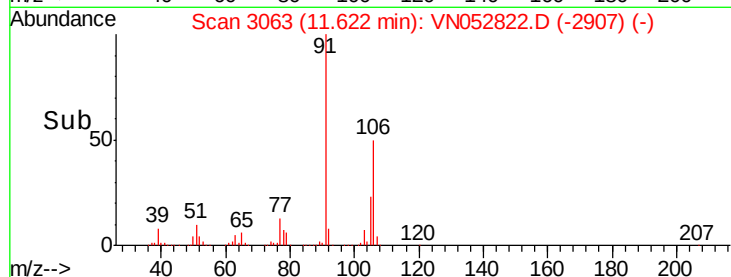
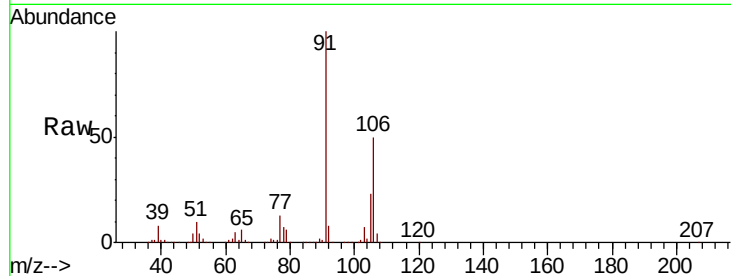
#67
m/p-Xylenes
Concen: 42.042 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.2	163.9	245.9	

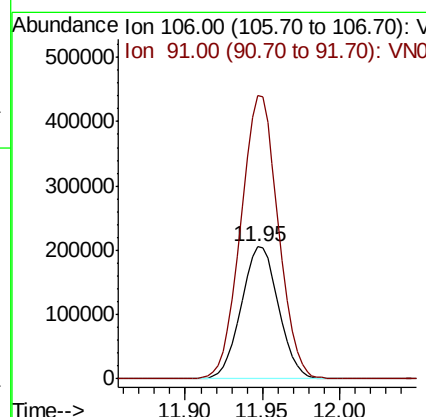
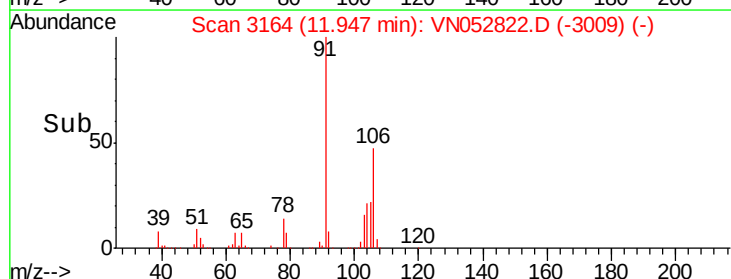
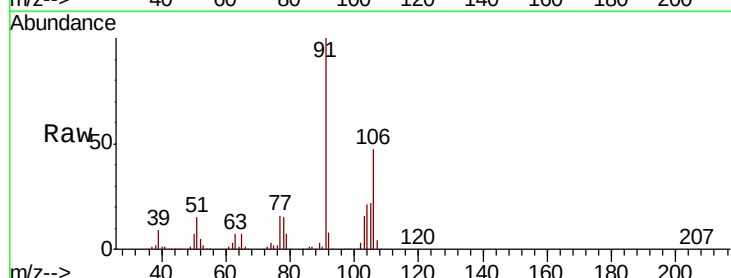
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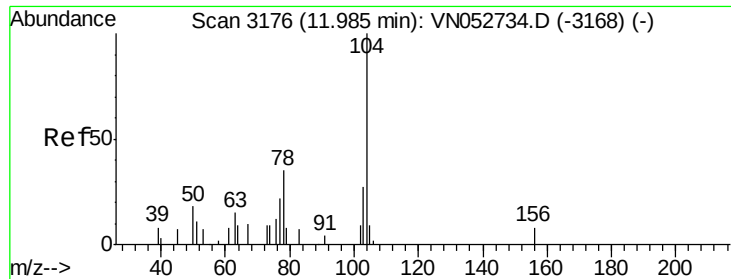
MMDadoda
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#68
o-Xylene
Concen: 21.021 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.9	107.8	323.4	





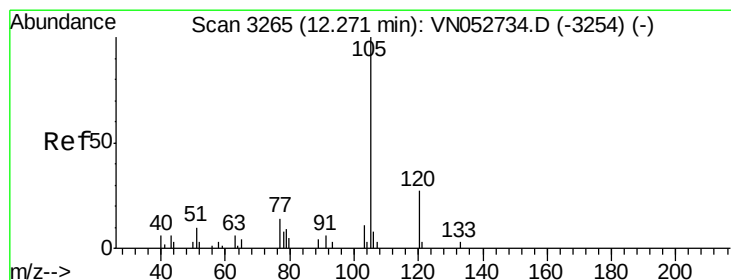
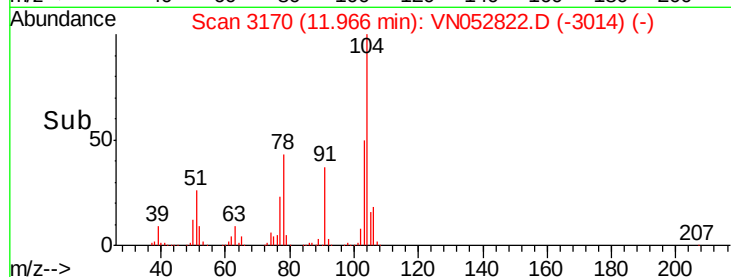
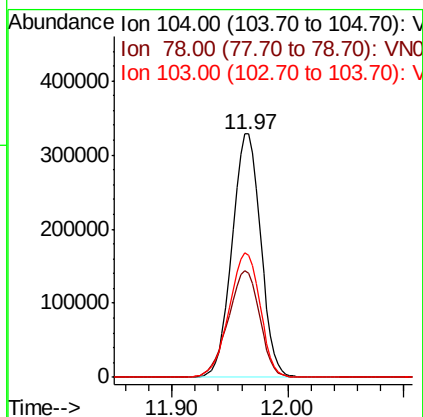
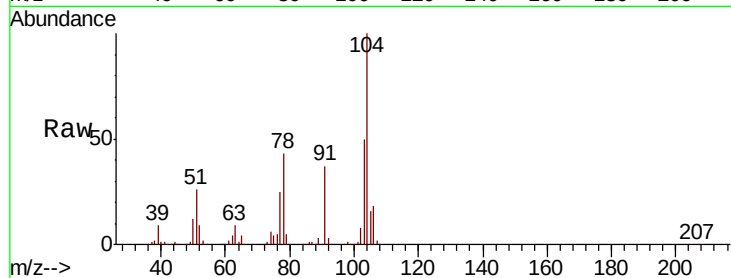
#69
Stvrene
Concen: 21.168 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

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

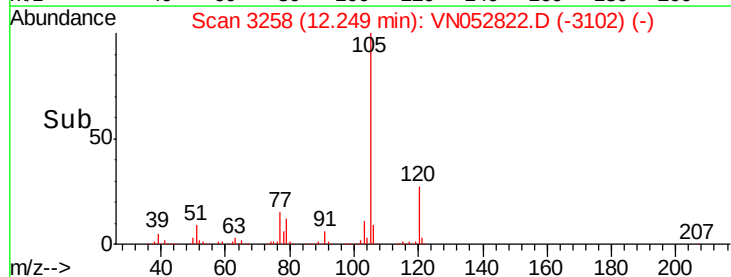
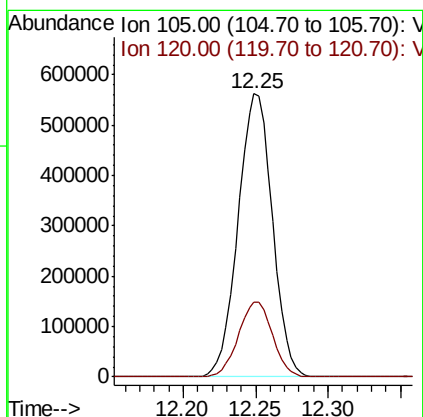
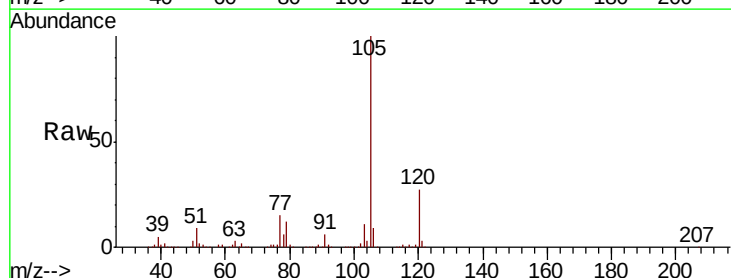
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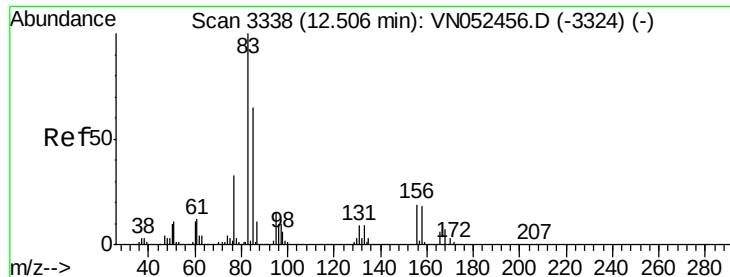
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12/13/2018 1:29:31 PM



#70
Isopropylbenzene
Concen: 21.185 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.6	34.6





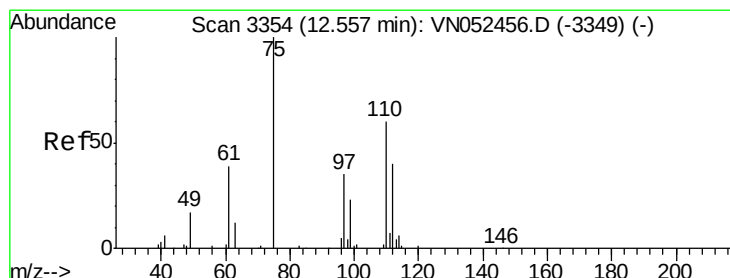
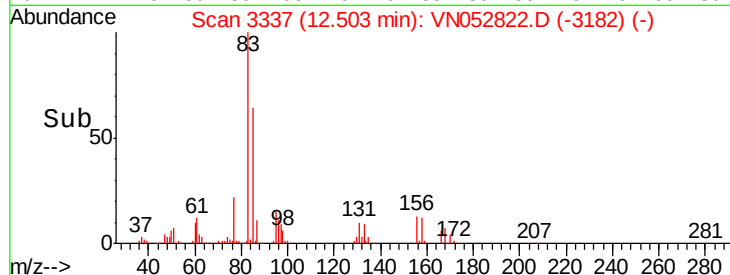
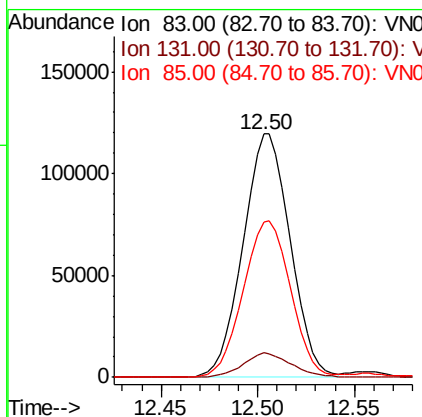
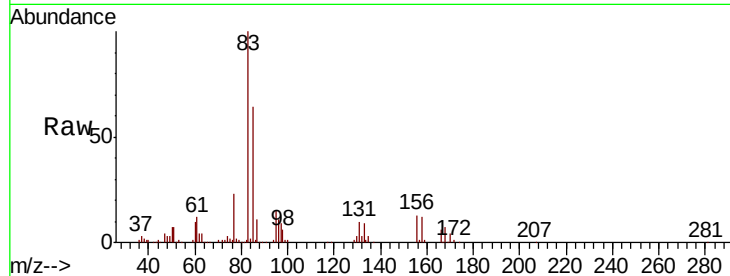
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.398 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.9	14.6
85	64.8	32.2	96.6

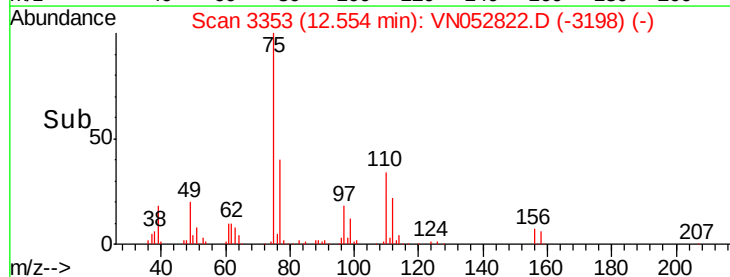
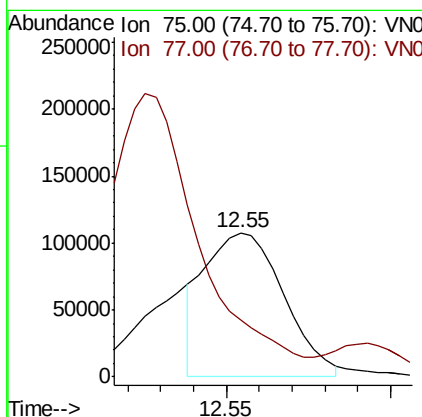
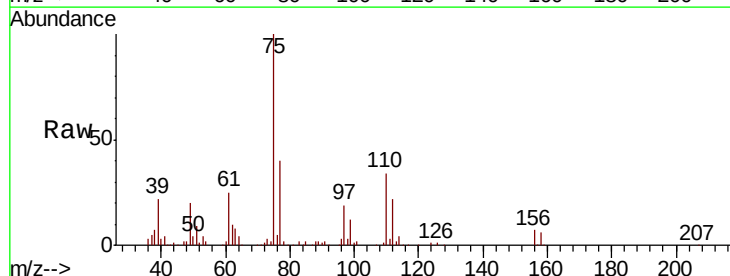
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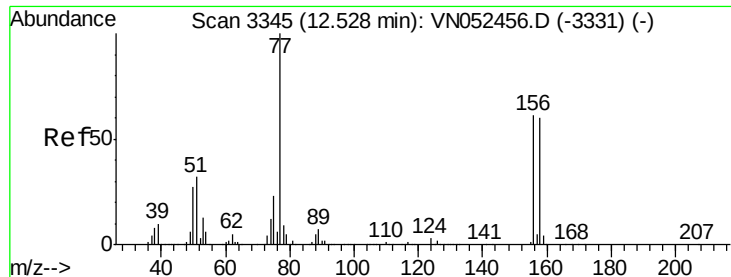
MMDadoda
 12/13/2018 1:29:31 PM



#72
 1,2,3-Trichloropropane
 Concen: 22.046 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	235.7	0.0	514.8





#73

Bromobenzene

Concen: 22.023 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

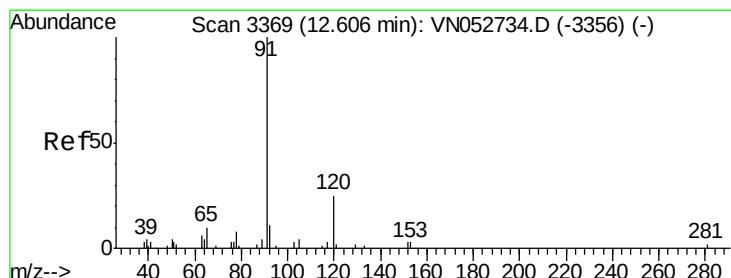
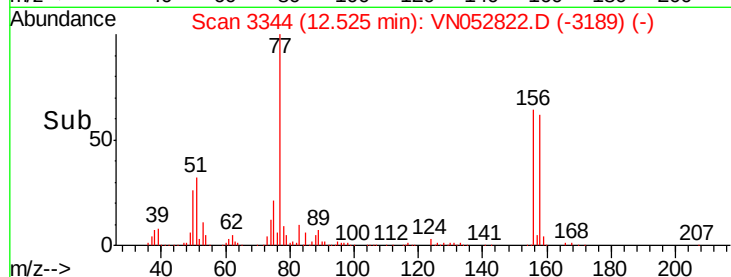
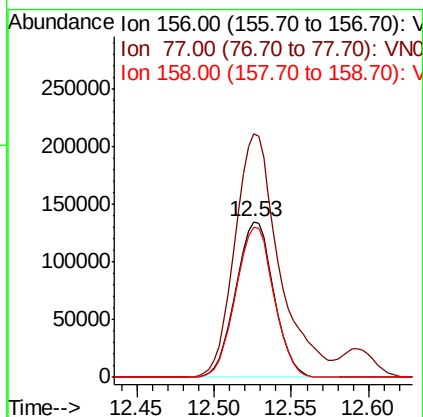
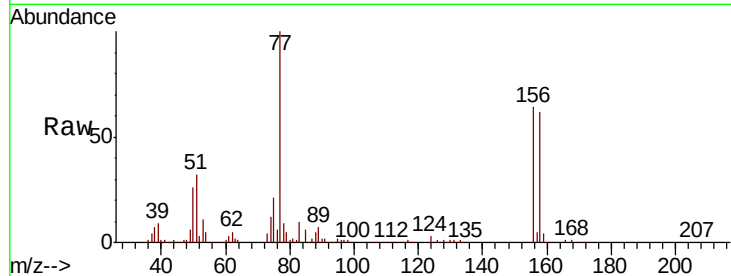
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	232070
Ion Ratio	Lower	Upper	
156	100		
77	182.2	0.0	382.6
158	96.5	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 20.717 ug/l

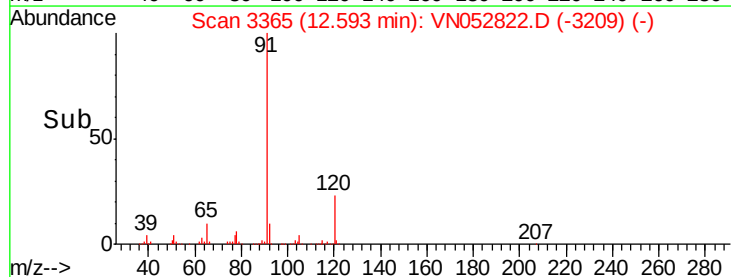
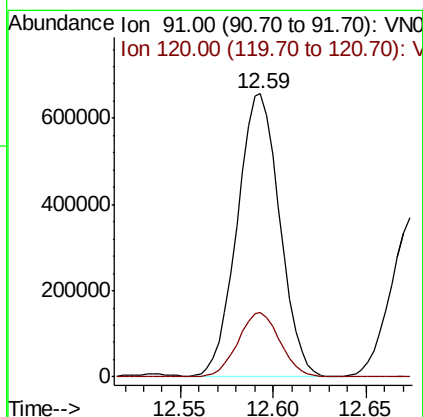
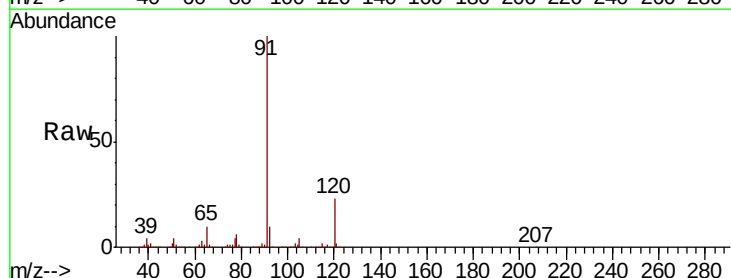
RT: 12.59 min Scan# 3365

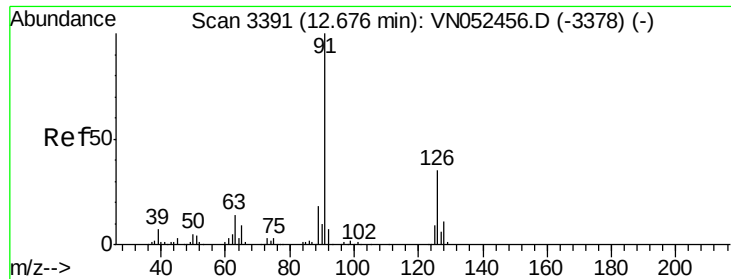
Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	91	Resp:	1051692
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	44.6





#75

2-Chlorotoluene

Concen: 21.148 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 623143

Ion Ratio Lower Upper

91 100

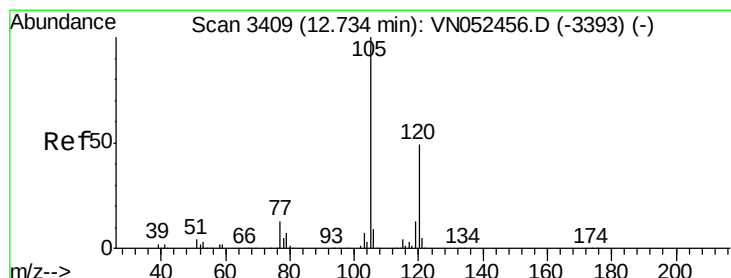
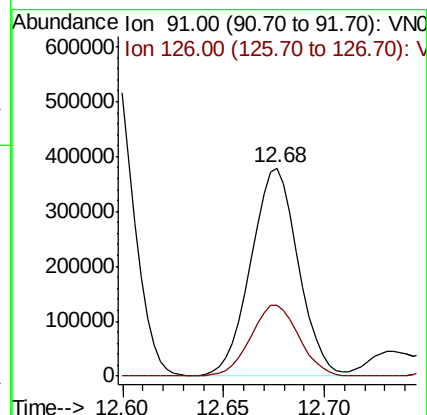
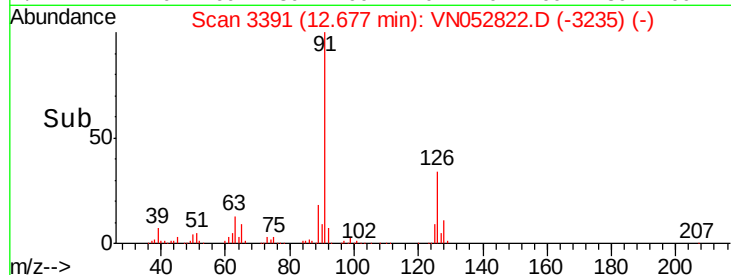
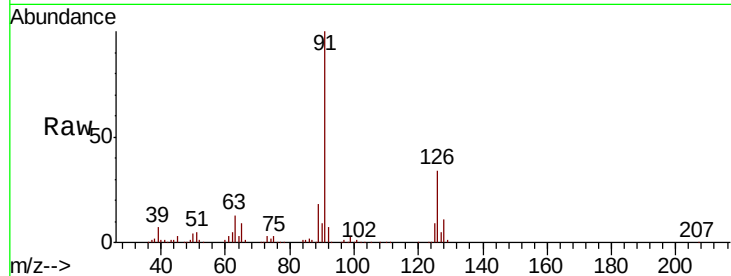
126 34.8 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 21.272 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052822.D

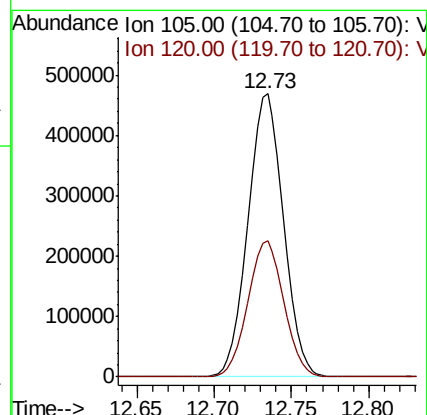
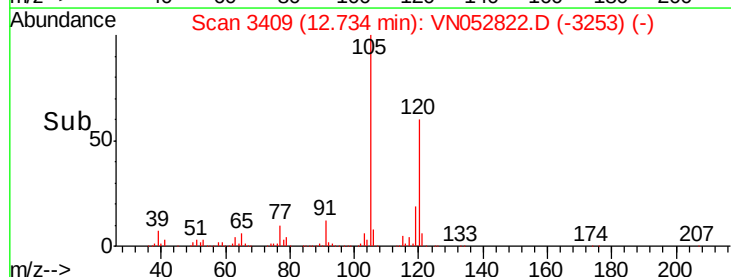
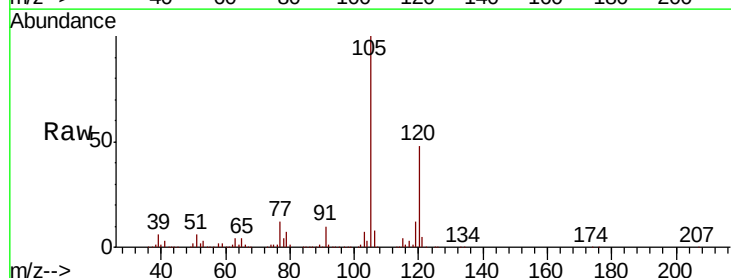
Acq: 12 Dec 2018 12:56

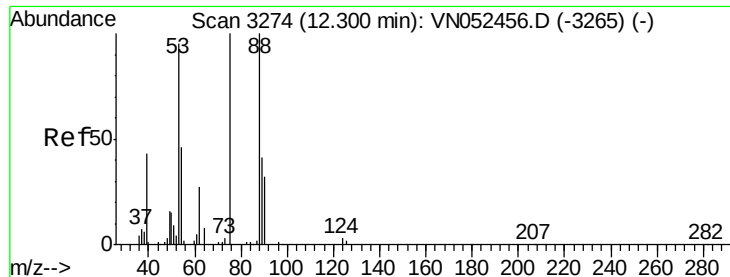
Tgt Ion: 105 Resp: 748594

Ion Ratio Lower Upper

105 100

120 48.6 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 20.957 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

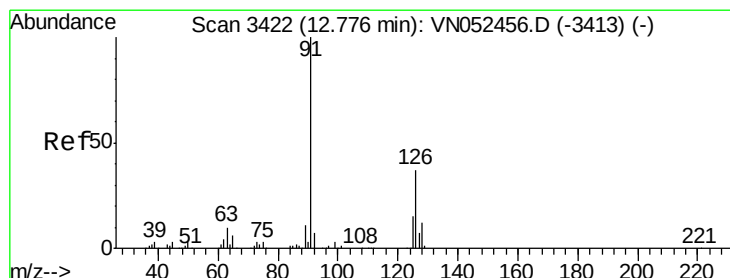
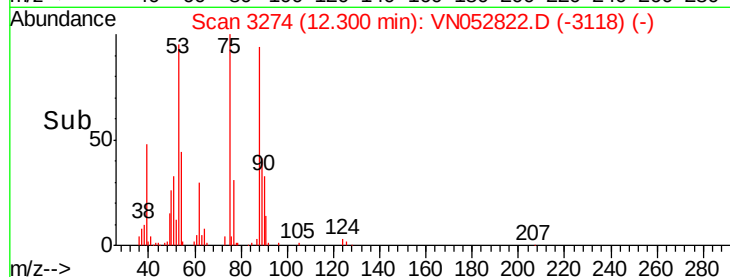
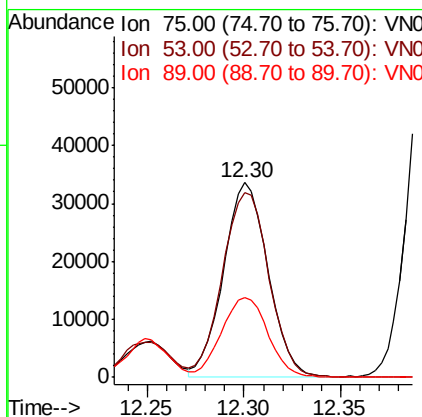
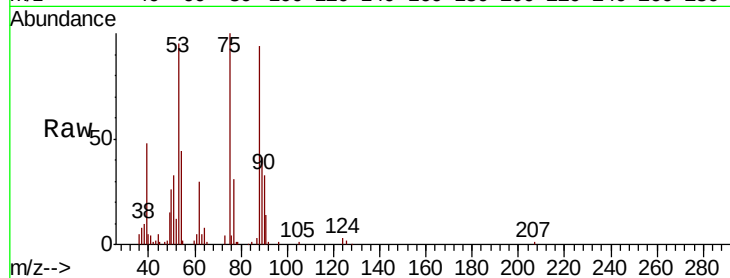
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	53861
Ion	Ratio	Lower	Upper
75	100		
53	95.1	48.5	145.6
89	41.2	21.7	65.1

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#78

4-Chlorotoluene

Concen: 21.291 ug/l

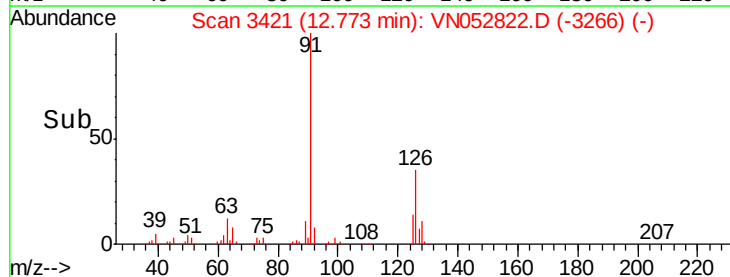
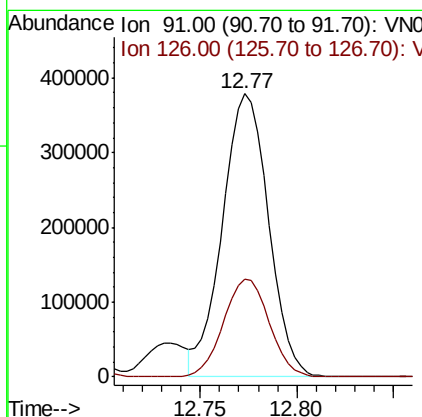
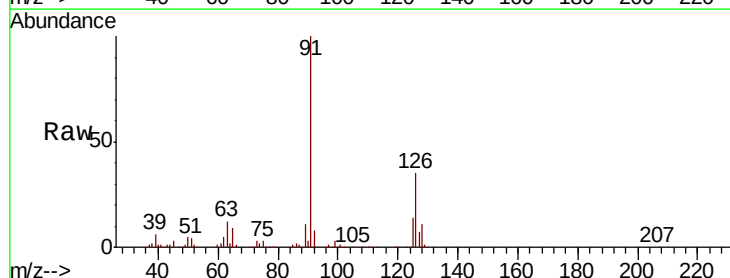
RT: 12.77 min Scan# 3421

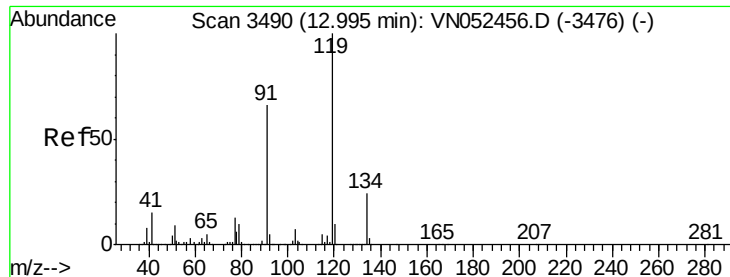
Delta R.T. -0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	91	Resp:	626492
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.2





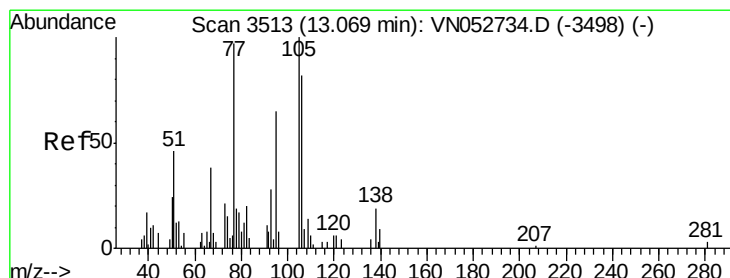
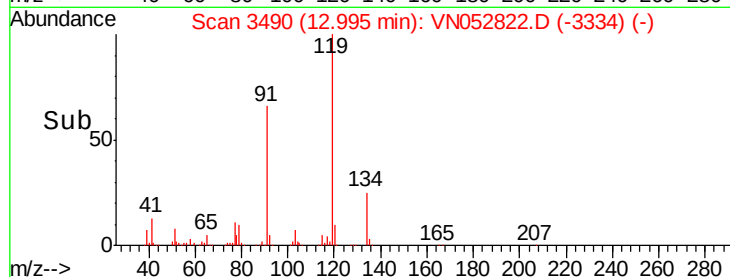
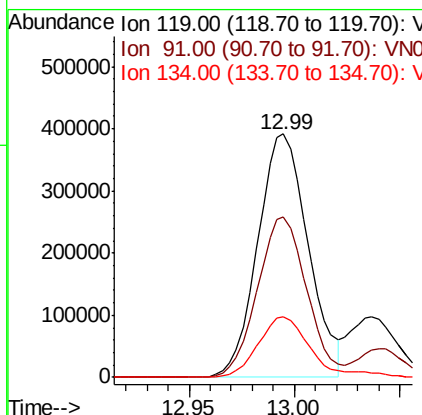
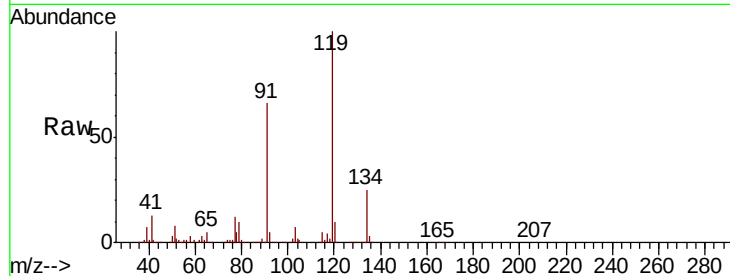
#79
tert-butylbenzene
Concen: 21.336 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	653908		
91	64.3	0.0	129.8	
134	26.1	0.0	52.2	

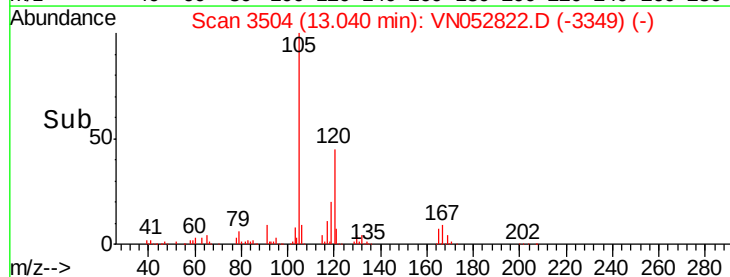
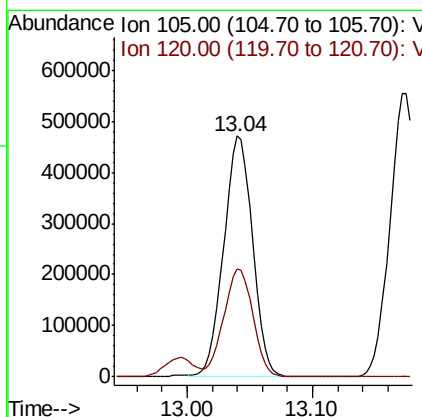
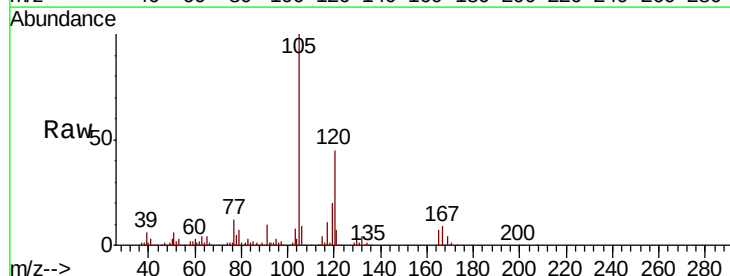
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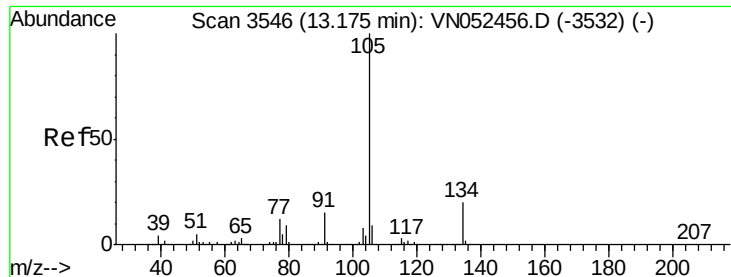
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#80
1,2,4-Trimethylbenzene
Concen: 21.326 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	750964		
120	45.6	0.0	91.0	





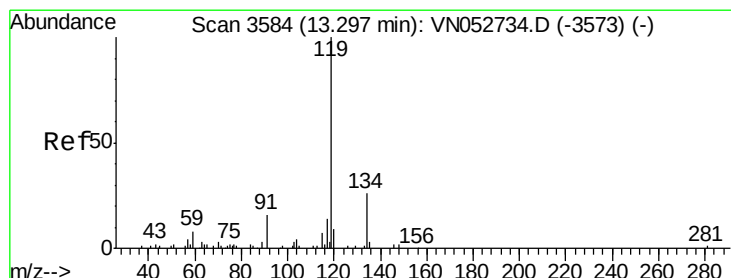
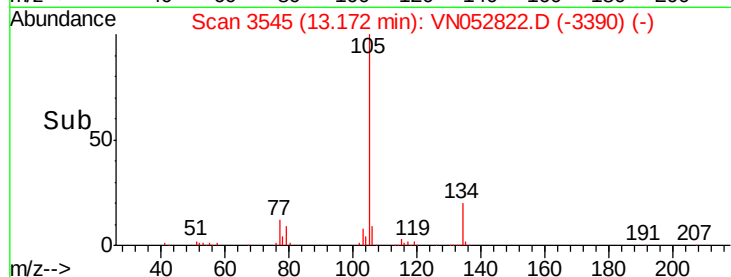
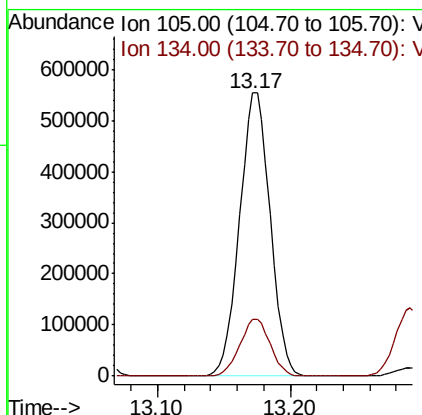
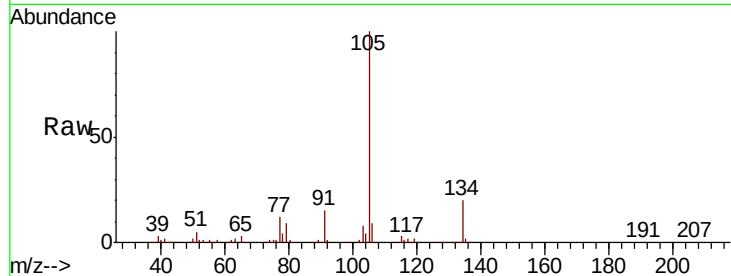
#81
 sec-Butylbenzene
 Concen: 20.805 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	40.4

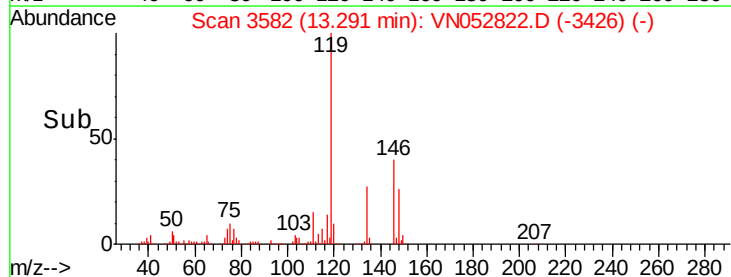
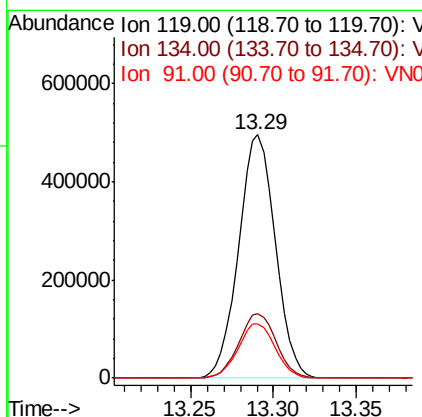
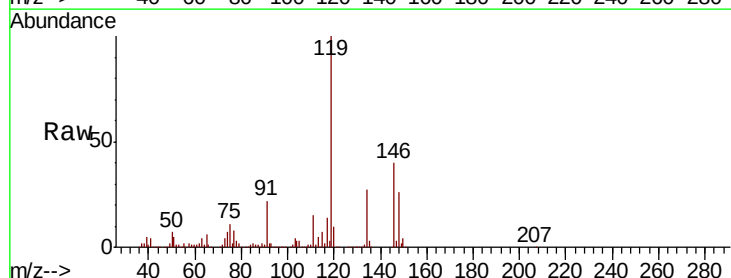
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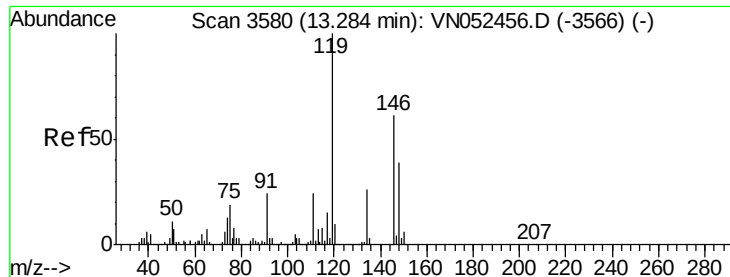
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#82
 p-Isopropyltoluene
 Concen: 20.936 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	52.6
91	22.7	0.0	46.2





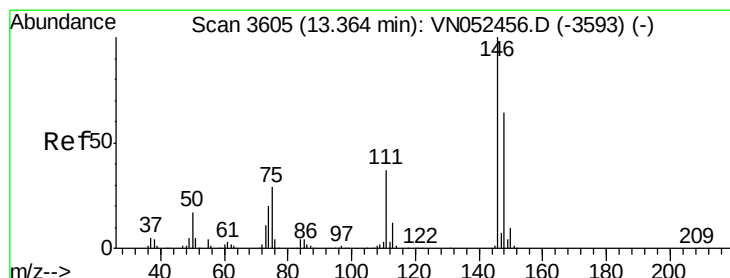
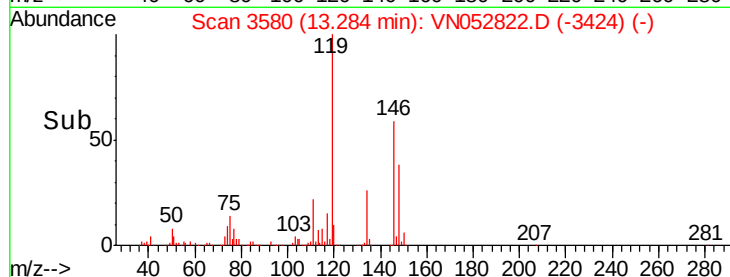
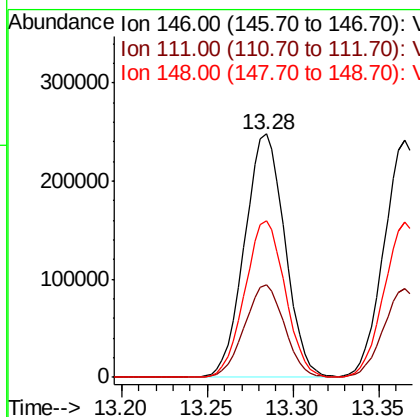
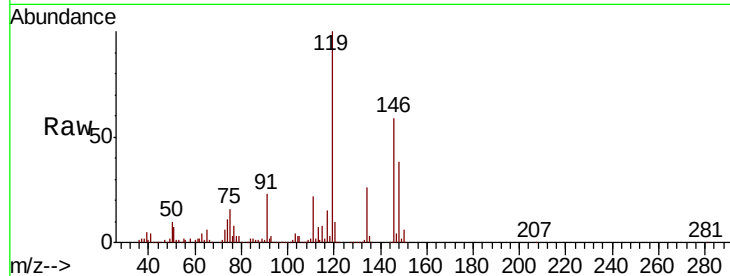
#83
 1,3-Dichlorobenzene
 Concen: 21.820 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.7	59.0
148	64.1	32.3	96.8

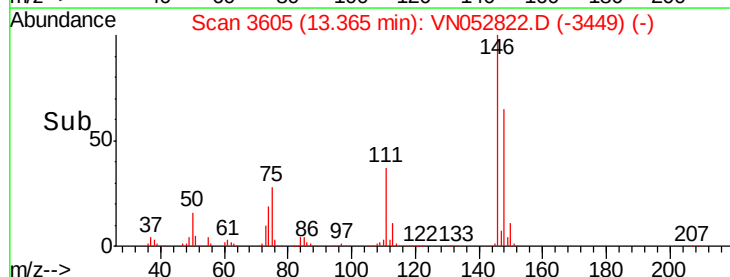
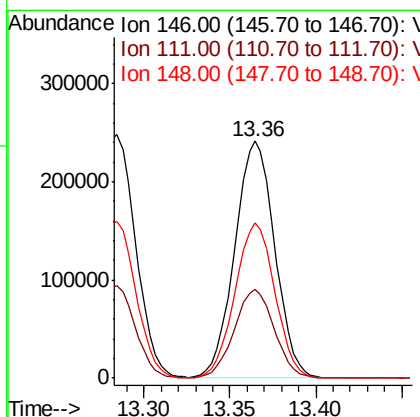
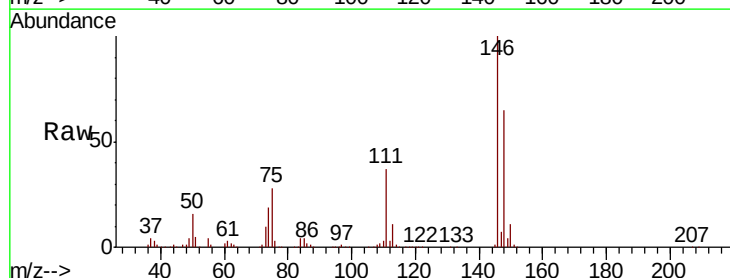
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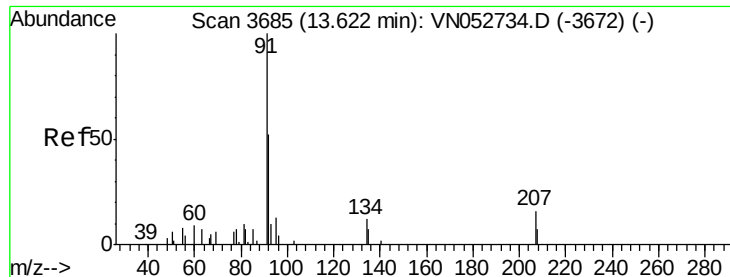
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#84
 1,4-Dichlorobenzene
 Concen: 21.809 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	65.5	32.5	97.4





#85

n-Butylbenzene

Concen: 19.910 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Instrument :

MSVOA_N

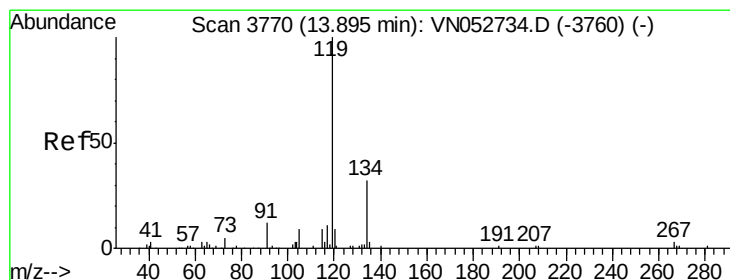
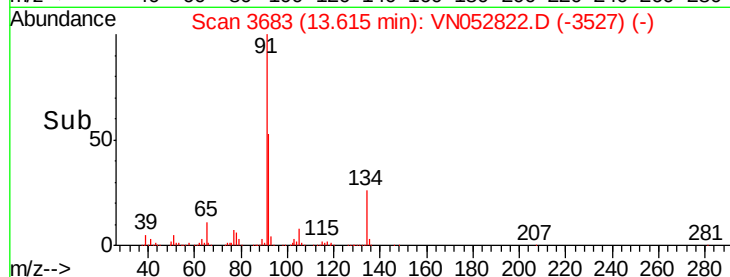
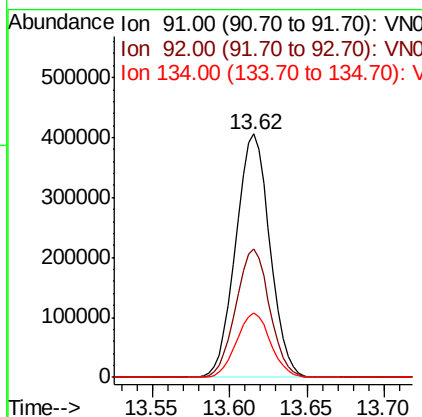
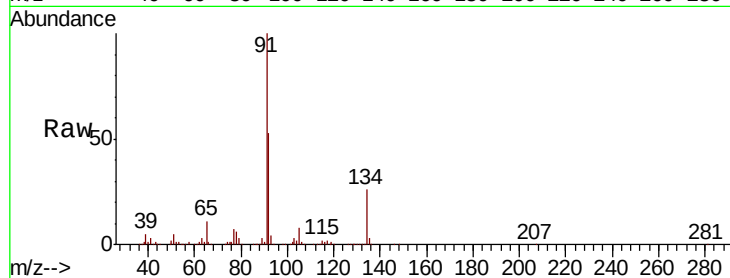
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	621647
Ion Ratio	Lower	Upper	
91	100		
92	52.2	0.0	104.2
134	26.4	0.0	50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 20.223 ug/l

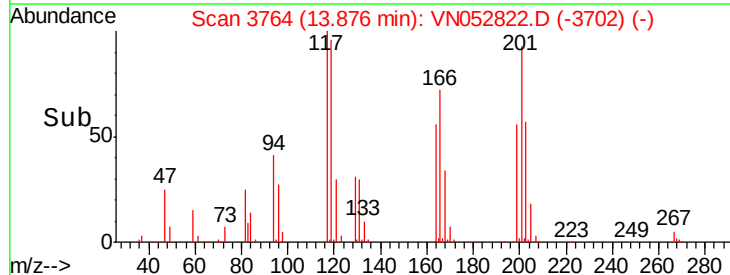
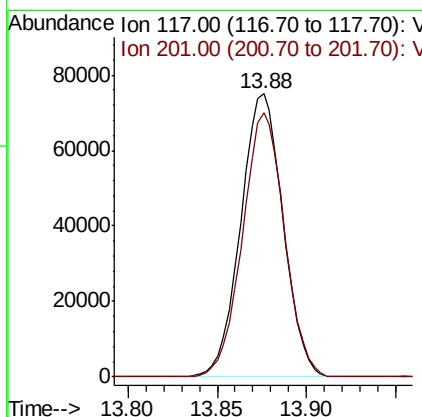
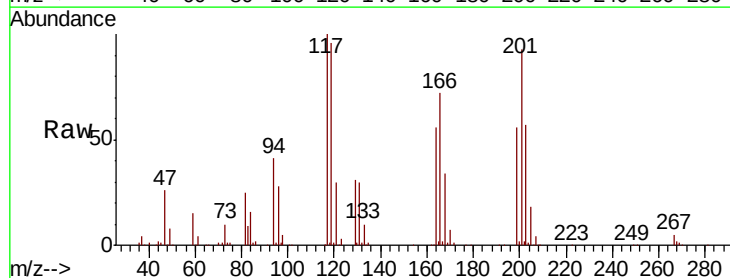
RT: 13.88 min Scan# 3764

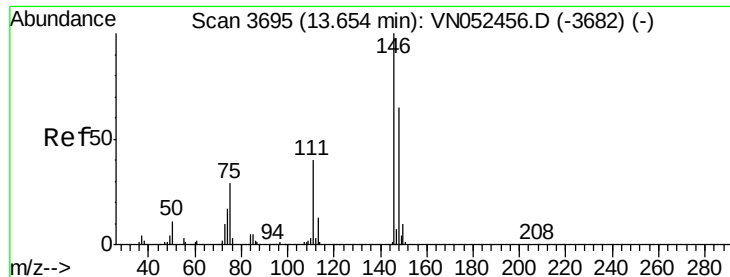
Delta R.T. 0.00 min

Lab File: VN052822.D

Acq: 12 Dec 2018 12:56

Tgt Ion:	117	Resp:	124555
Ion Ratio	Lower	Upper	
117	100		
201	92.3	43.8	131.3





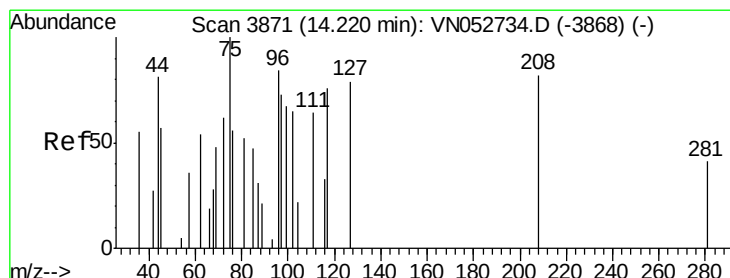
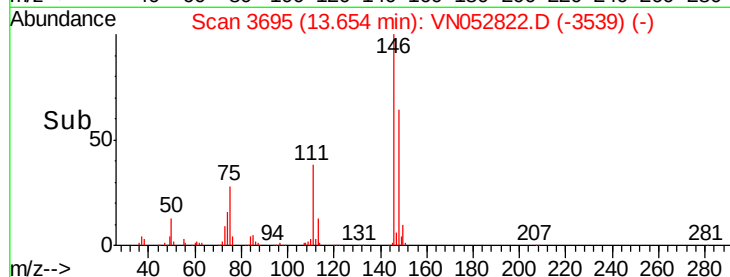
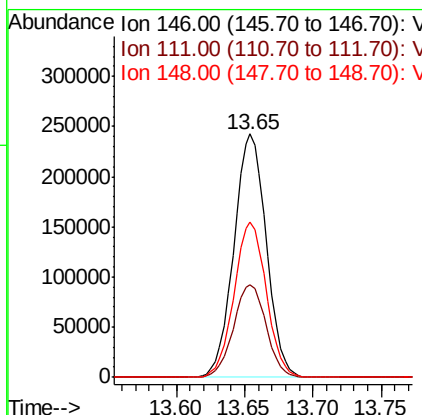
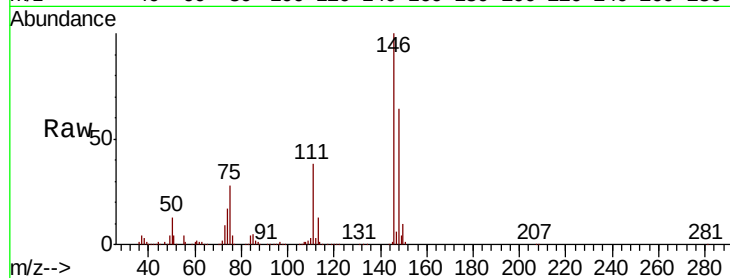
#87
 1,2-Dichlorobenzene
 Concen: 22.622 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	60.8
148	63.5	32.1	96.5

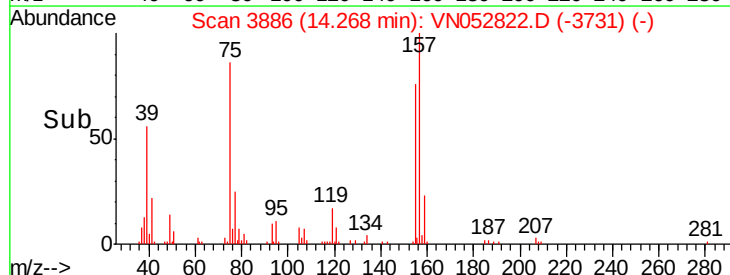
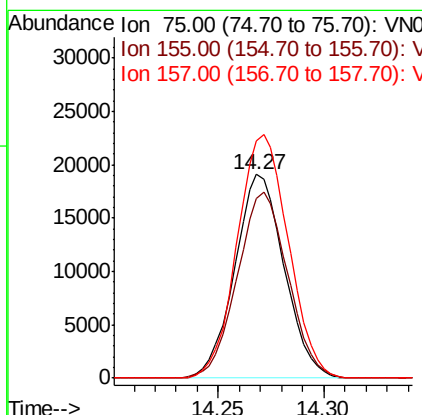
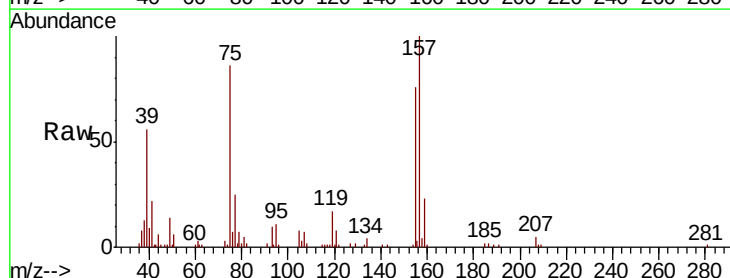
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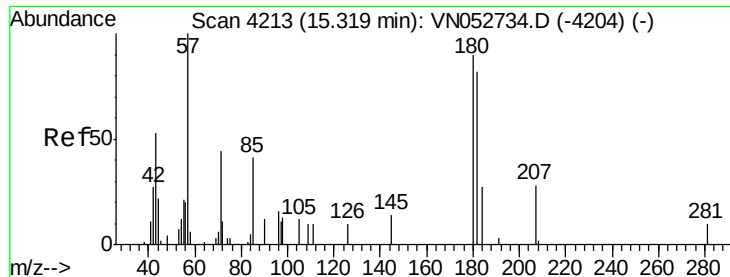
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.381 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	72.2	108.2
157	123.7	94.2	141.2





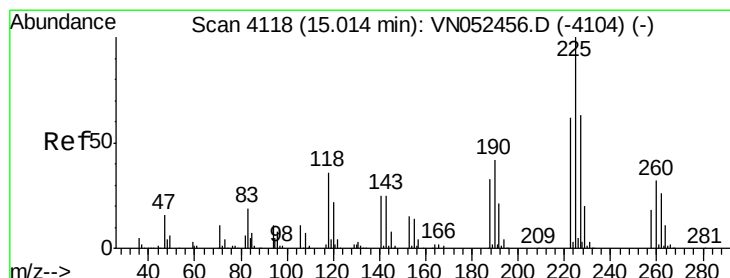
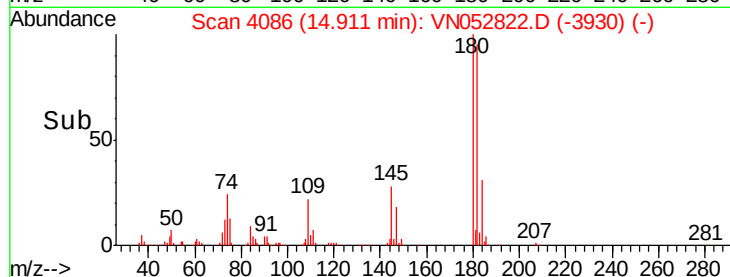
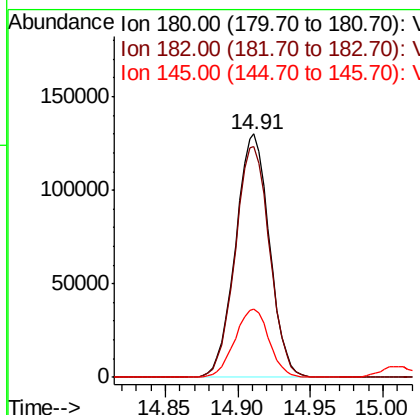
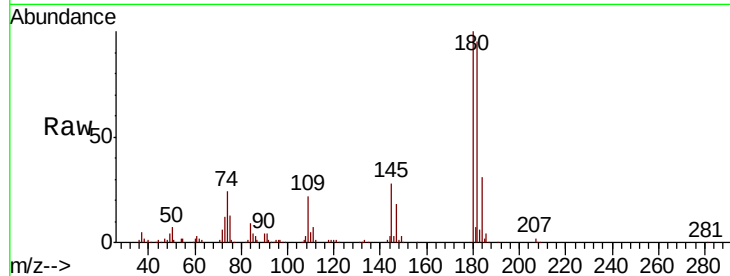
#89
 1,2,4-Trichlorobenzene
 Concen: 24.357 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	114.8
145	28.3	23.6	35.4

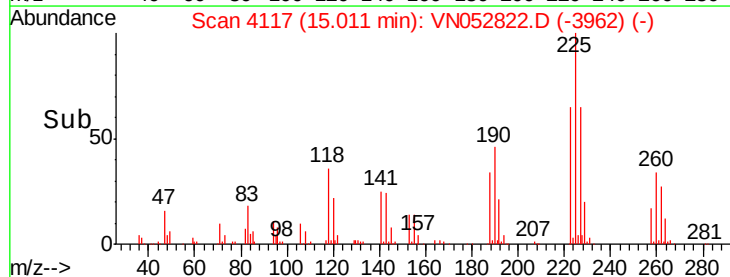
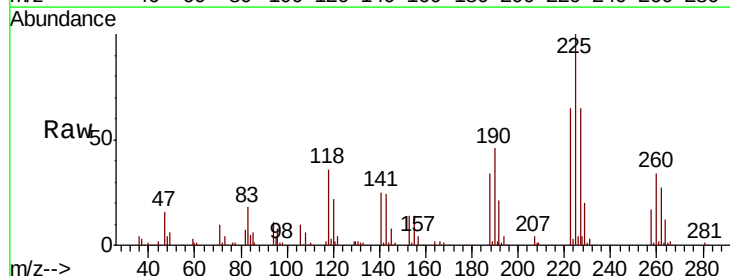
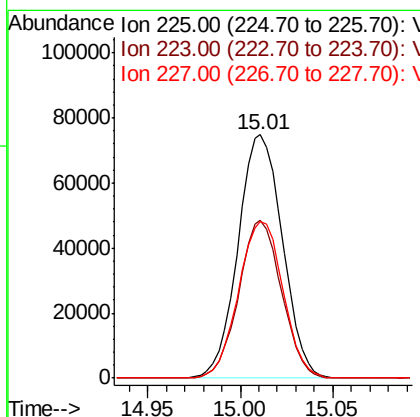
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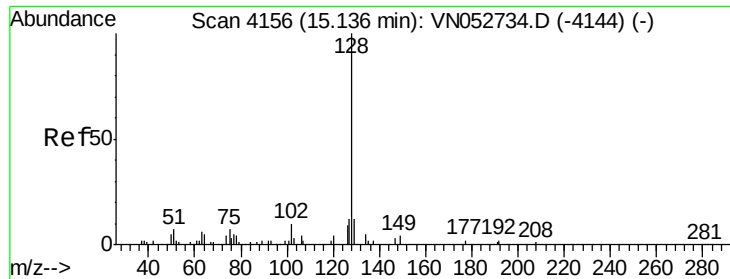
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#90
 Hexachlorobutadiene
 Concen: 21.793 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052822.D
 Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	125.6
227	64.5	0.0	127.8





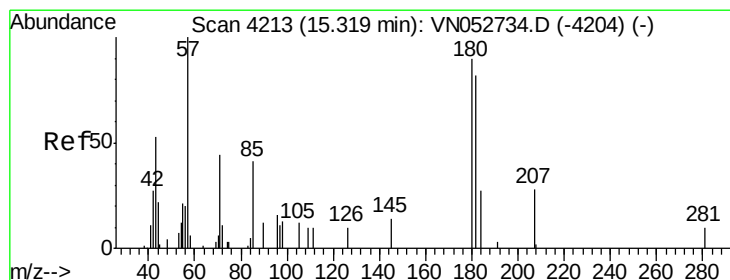
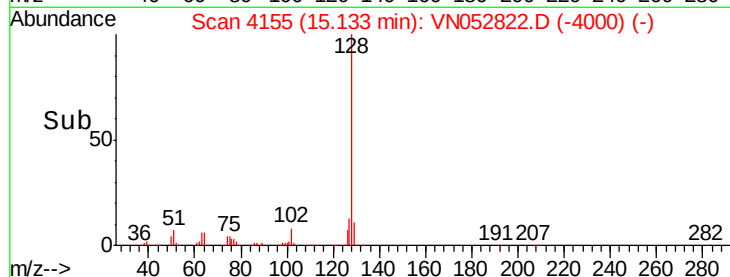
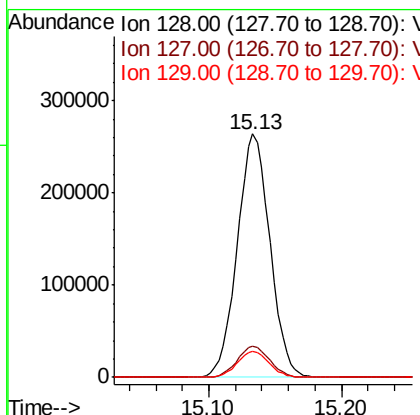
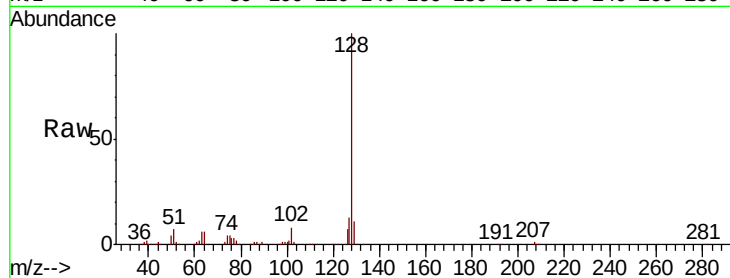
#91
Naphthalene
Concen: 25.681 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	450613		
127	12.6		9.9	14.9
129	10.6		8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 24.861 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052822.D
Acq: 12 Dec 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	199077		
182	94.2		0.0	196.2
145	30.1		0.0	62.2

