

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051626.D
 Acq On : 1 Oct 2018 10:18
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 3:03:52 PM

Quant Time: Oct 02 01:06:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	107390	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	577512	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	495900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	226917	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	12.40	95	227074	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	10.09	98	719846	30.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	195277	20.720	ug/l 100
3) Chloromethane	2.06	50	206570	19.587	ug/l 98
4) Vinyl Chloride	2.19	62	192879	18.643	ug/l 97
5) Bromomethane	2.57	94	98837	18.391	ug/l 98
6) Chloroethane	2.71	64	98800	19.036	ug/l 97
7) Trichlorofluoromethane	3.02	101	247933	19.614	ug/l 99
8) Diethyl Ether	3.41	74	75458	19.005	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151452	21.196	ug/l 98
10) 1,1-Dichloroethene	3.74	96	128583	19.830	ug/l 93
11) Methyl Iodide	3.95	142	158058	18.936	ug/l 99
12) Methyl Acetate	4.33	43	108873	19.025	ug/l 98
13) Acrolein	3.61	56	49426	78.174	ug/l 97
14) Acrylonitrile	4.99	53	216139	94.307	ug/l 98
15) Acetone	3.82	58	60281	100.315	ug/l 97
16) Carbon Disulfide	4.05	76	399069	19.098	ug/l 100
17) Allyl chloride	4.33	41	218367	18.825	ug/l 97
18) Methylene Chloride	4.55	84	149856	20.102	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	133132	19.341	ug/l 98
20) Diisopropyl ether	5.95	45	458393	19.920	ug/l 99
21) 1,1-Dichloroethane	5.85	63	270390	19.826	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	144765	19.257	ug/l 97
23) tert-Butyl Alcohol	4.79	59	38782	88.463	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	325762	19.115	ug/l 99
25) Chloroform	7.37	83	267632	20.524	ug/l 99
26) Cyclohexane	7.65	56	229737	19.466	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	196183	19.922	ug/l 99
30) 2-Butanone	6.84	43	260720	97.276	ug/l 98
31) 2,2-Dichloropropane	6.82	77	214276	20.161	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	226240	20.447	ug/l 98
33) Carbon Tetrachloride	7.77	117	204152	20.529	ug/l 99
34) Benzene	8.04	78	589303	20.170	ug/l 99
35) Methacrylonitrile	7.18	41	54719	18.159	ug/l 100
36) 1,2-Dichloroethane	8.13	62	184882	19.852	ug/l 100
37) Trichloroethene	8.84	130	146665	19.552	ug/l 98
38) Methylcyclohexane	9.08	83	215245	18.942	ug/l 99
39) 1,2-Dichloropropane	9.12	63	162136	20.253	ug/l 98
40) Dibromomethane	9.21	93	88589	19.920	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	197851	20.382	ug/l	99
42) Vinyl Acetate	5.90	43	1419904	95.161	ug/l	100
43) Ethyl Acetate	6.93	43	110394	19.459	ug/l	99
44) Isopropyl Acetate	8.17	43	202237	18.206	ug/l	99
45) 1,4-Dioxane	9.20	88	23019	383.079	ug/l	96
46) Methyl methacrylate	9.20	41	96328	18.642	ug/l	98
47) n-amyl Acetate	12.07	43	142584	17.155	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	179931	18.571	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	223970	19.772	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	126578	20.141	ug/l	98
51) Ethyl methacrylate	10.43	69	136243	17.868	ug/l	99
52) 1,3-Dichloropropane	10.71	76	213437	19.807	ug/l	100
53) Dibromochloromethane	10.90	129	140596	19.642	ug/l	100
54) 1,2-Dibromoethane	11.01	107	115678	19.183	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	349599	92.758	ug/l	99
56) Bromoform	12.13	173	91939	19.357	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	554254	98.442	ug/l	100
59) 2-Hexanone	10.75	43	355734	96.041	ug/l	100
61) Tetrachloroethene	10.63	164	143805	20.482	ug/l	99
62) Toluene	10.16	91	615069	20.228	ug/l	100
64) Chlorobenzene	11.43	112	361029	19.637	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	142385	20.282	ug/l	98
66) Ethyl Benzene	11.51	91	598092	19.219	ug/l	100
67) m/p-Xylenes	11.62	106	477170	39.784	ug/l	98
68) o-Xylene	11.95	106	223259	19.500	ug/l	97
69) Styrene	11.96	104	350433	19.500	ug/l	99
70) Isopropylbenzene	12.25	105	606466	19.858	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	148315	20.072	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	121508m	19.234	ug/l	
73) Bromobenzene	12.53	156	147251	19.374	ug/l	97
74) n-propylbenzene	12.59	91	697724	19.624	ug/l	99
75) 2-Chlorotoluene	12.67	91	425462	20.040	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	511991	20.063	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	36854	18.420	ug/l	97
78) 4-Chlorotoluene	12.77	91	412076	19.649	ug/l	99
79) tert-butylbenzene	12.99	119	431409	19.513	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	505801	19.844	ug/l	99
81) sec-Butylbenzene	13.17	105	611033	20.007	ug/l	99
82) p-Isopropyltoluene	13.29	119	517618	19.830	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	261216	19.724	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	234968	18.874	ug/l	99
85) n-Butylbenzene	13.62	91	408677	19.075	ug/l	98
86) Hexachloroethane	13.87	117	104933	20.099	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	255698	19.737	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20253	18.806	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	98384	16.225	ug/l	98
90) Hexachlorobutadiene	15.01	225	99060	20.038	ug/l	96
91) Naphthalene	15.13	128	157846	17.132	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	101059	16.571	ug/l	98

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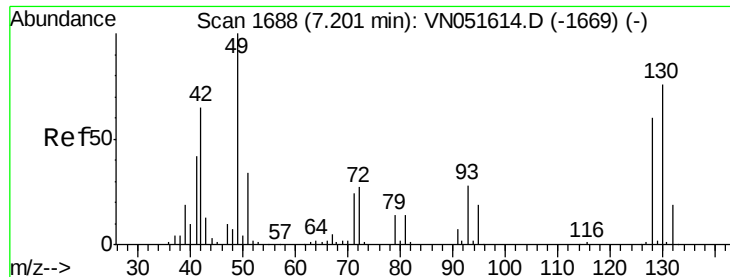
Manual Integrations
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10/2/2018 3:03:52 PM

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QLast Update : Sat Sep 29 01:07:29 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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

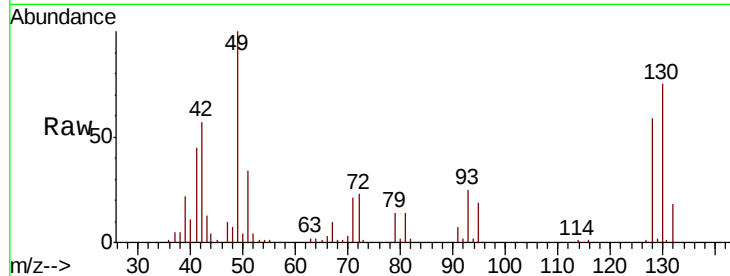
ClientSampled :

VSTDCCC020

Tot Ion:	128	Resp:	107390
Ion	Ratio	Lower	Upper
128	100		
49	171.8	0.0	426.8
130	127.7	0.0	326.3

Manual Integrations
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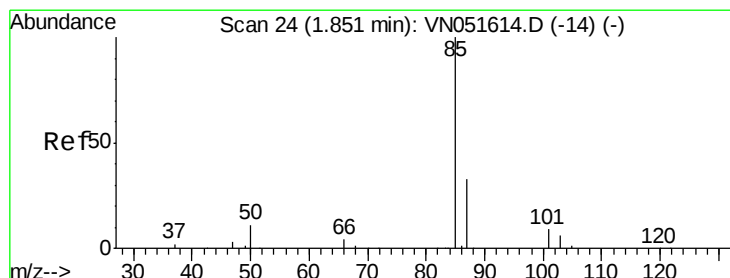
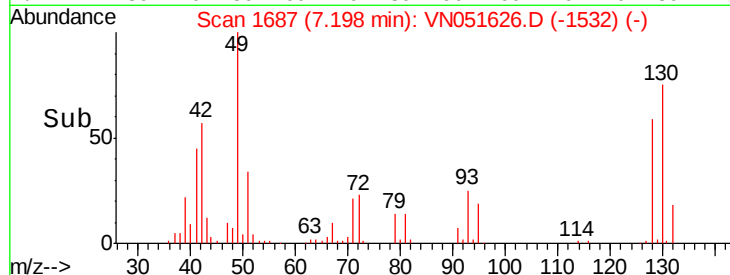
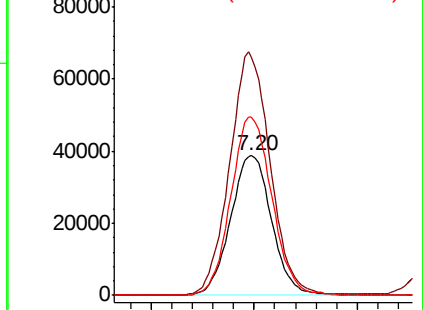
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.720 ug/l

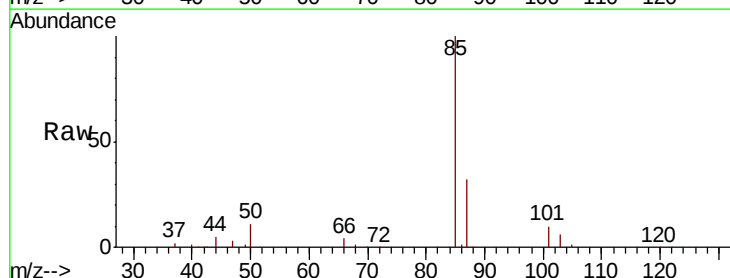
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051626.D

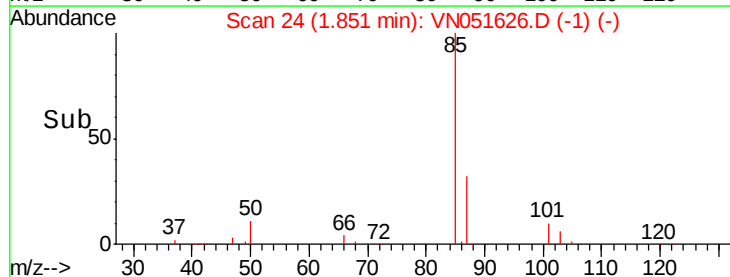
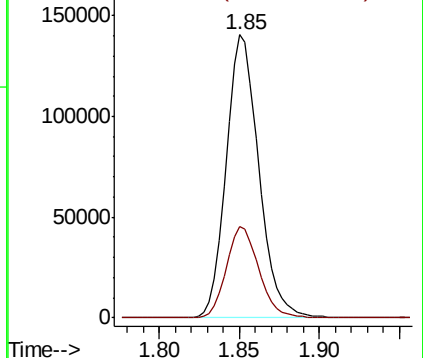
Acq: 1 Oct 2018 10:18

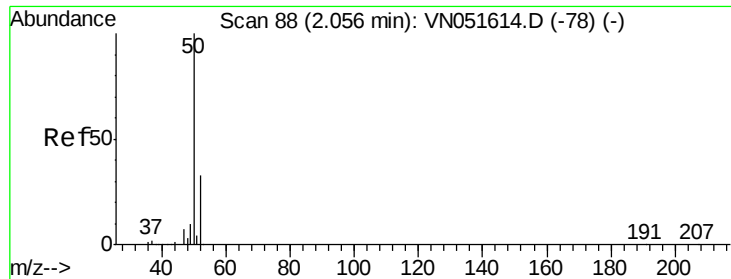
Tgt Ion:	85	Resp:	195277
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.587 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 206570

Ion Ratio Lower Upper

50 100

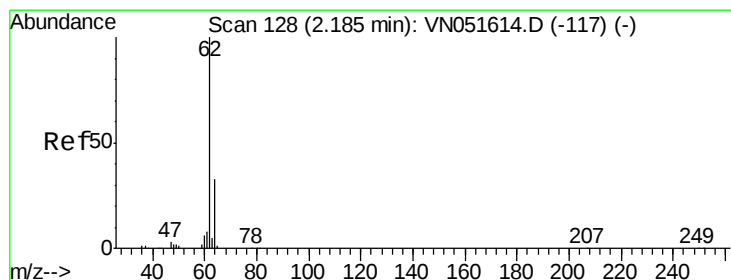
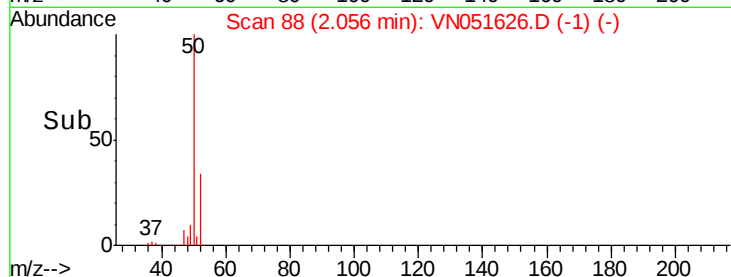
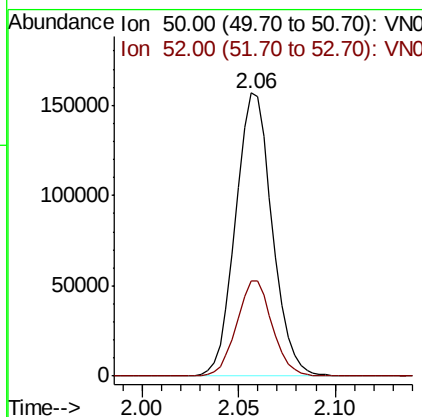
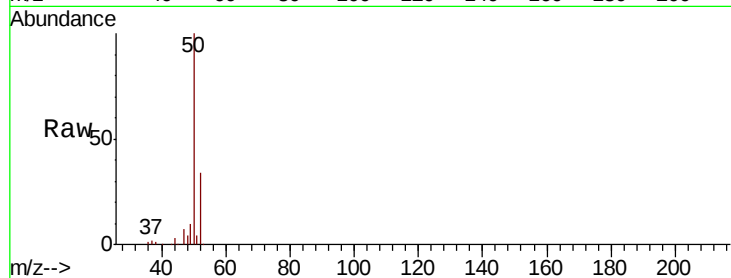
52 33.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.643 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051626.D

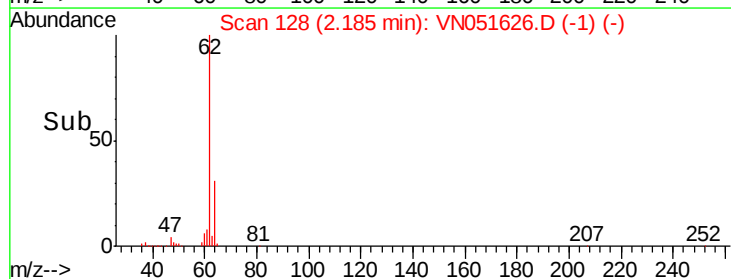
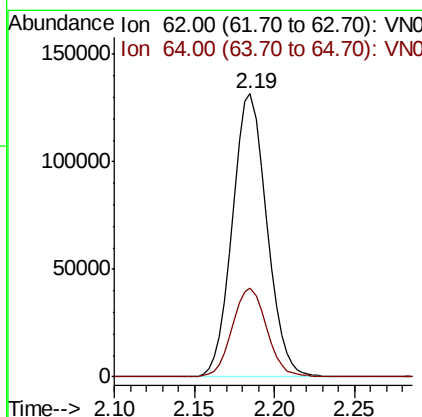
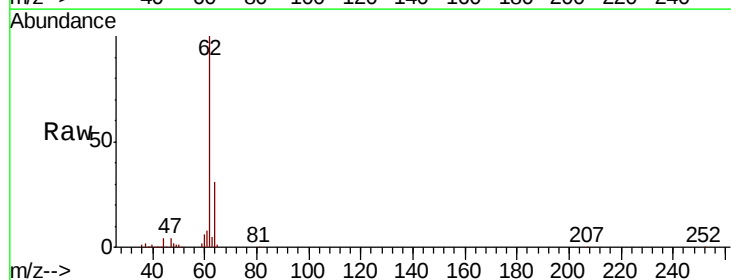
Acq: 1 Oct 2018 10:18

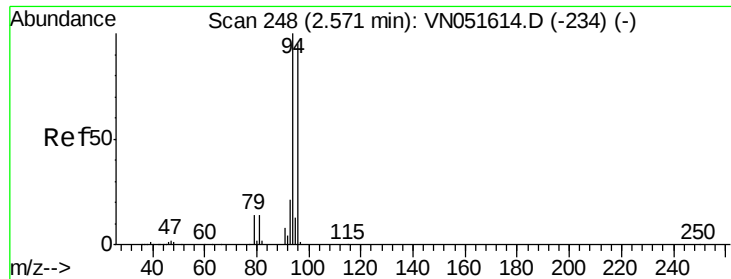
Tgt Ion: 62 Resp: 192879

Ion Ratio Lower Upper

62 100

64 31.2 26.3 39.5





#5

Bromomethane

Concen: 18.391 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 98837

Ion Ratio Lower Upper

94 100

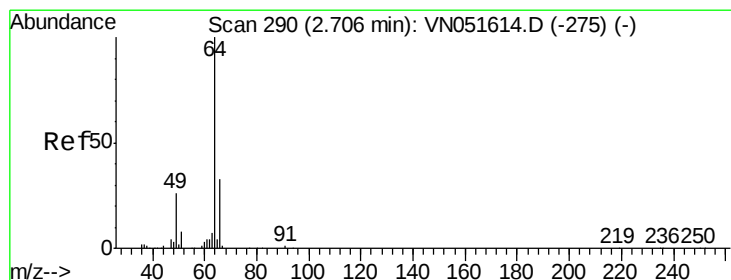
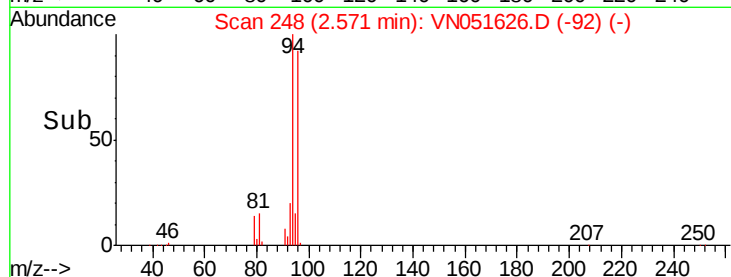
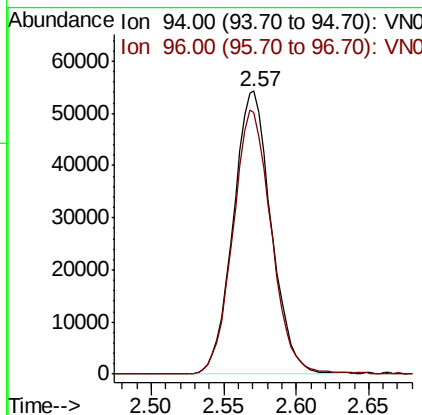
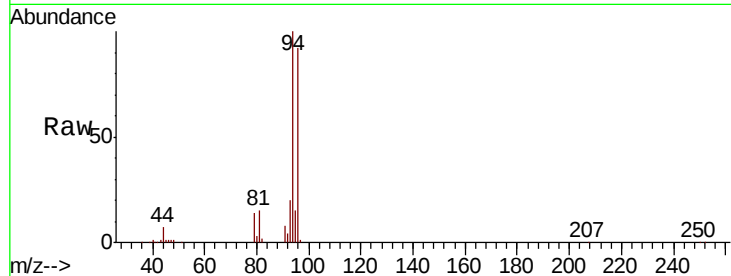
96 92.4 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 19.036 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051626.D

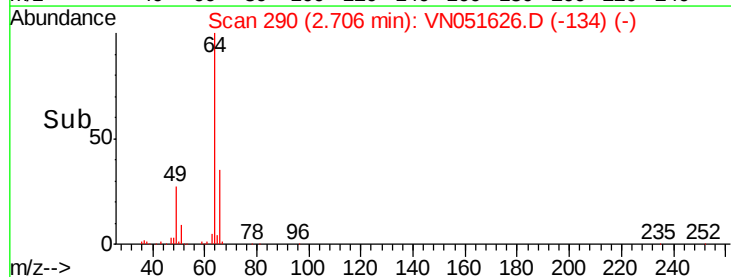
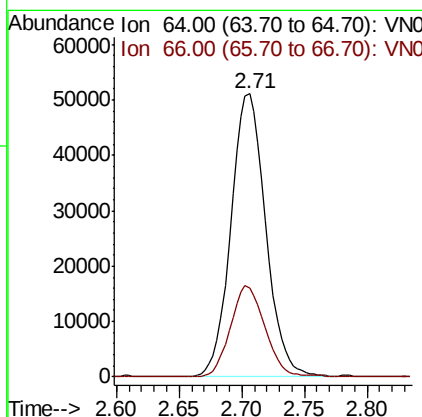
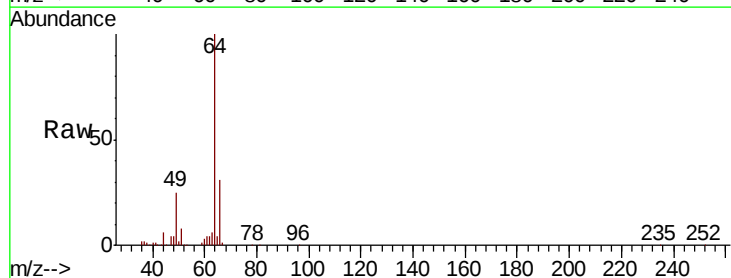
Acq: 1 Oct 2018 10:18

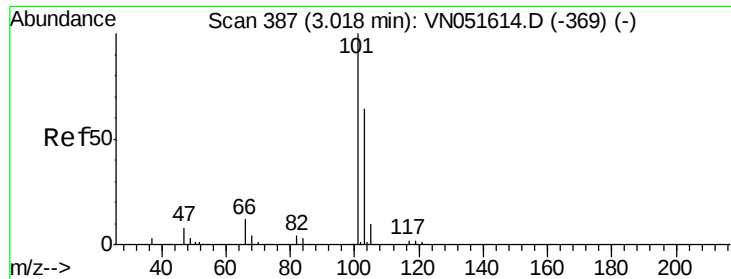
Tgt Ion: 64 Resp: 98800

Ion Ratio Lower Upper

64 100

66 31.2 26.1 39.1





#7

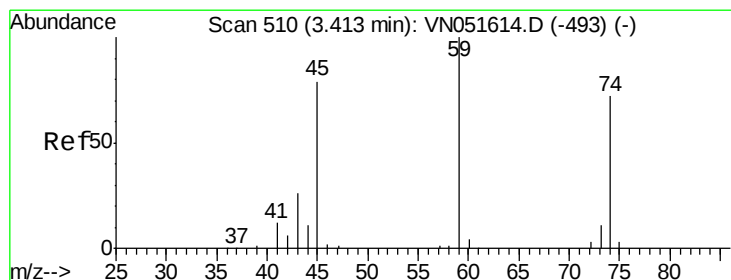
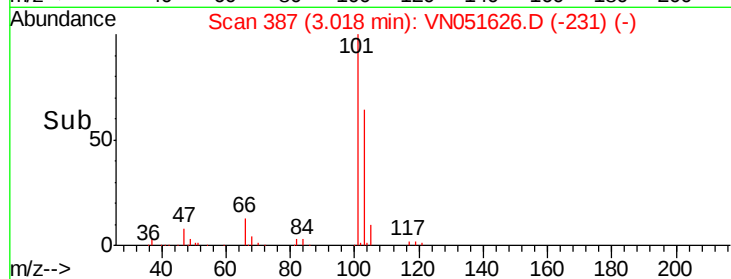
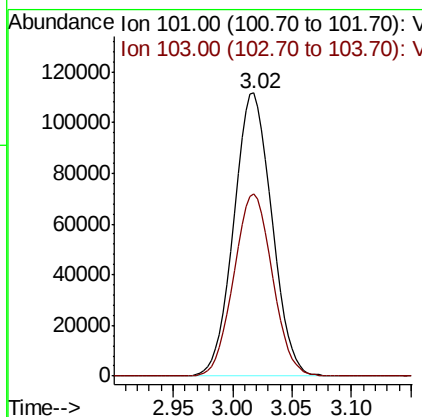
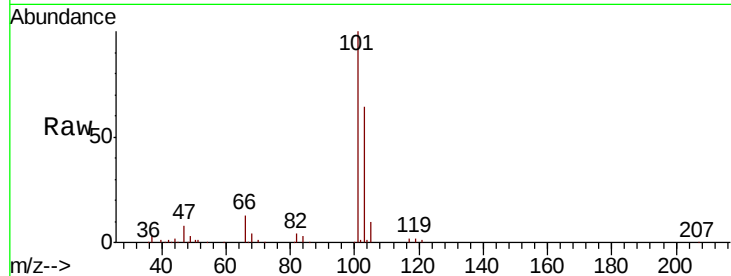
Trichlorofluoromethane
 Concen: 19.614 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		247933		
103	64.4	51.2	76.8		

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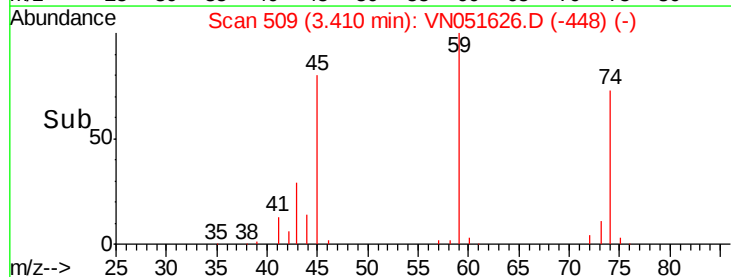
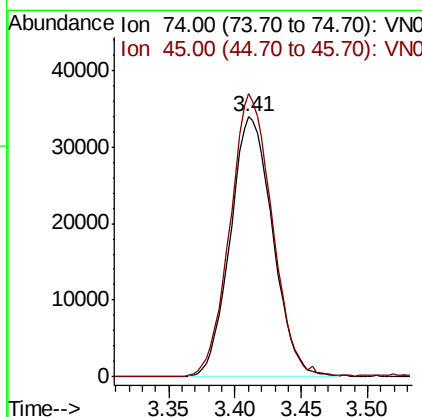
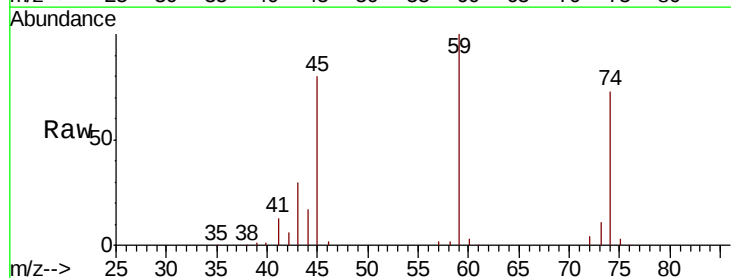
MMDadoda
 10/2/2018 3:03:52 PM

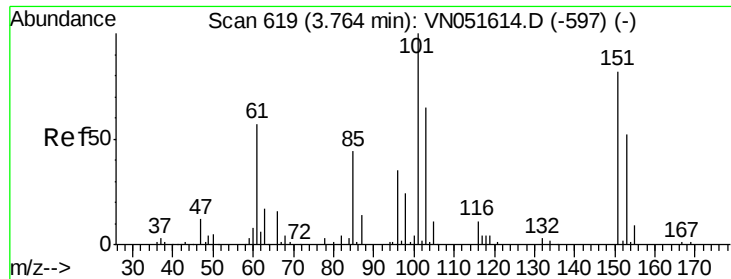


#8

Diethyl Ether
 Concen: 19.005 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		75458		
45	107.3	21.3	191.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.196 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

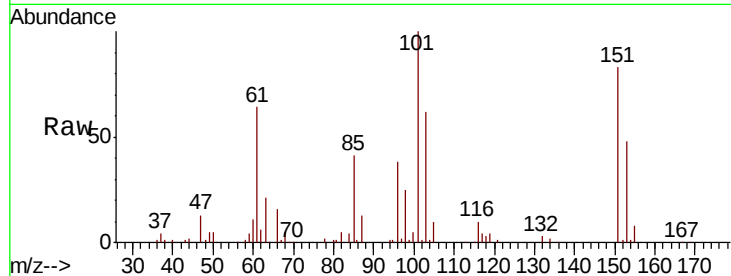
ClientSampled :

VSTDCCC020

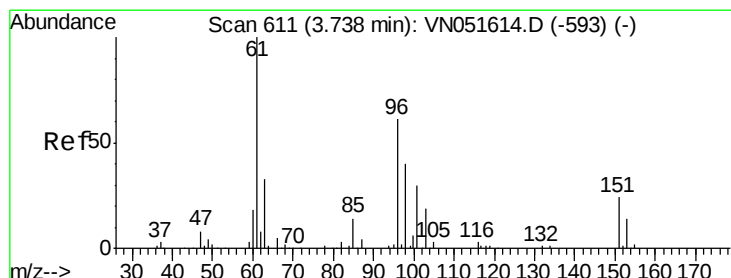
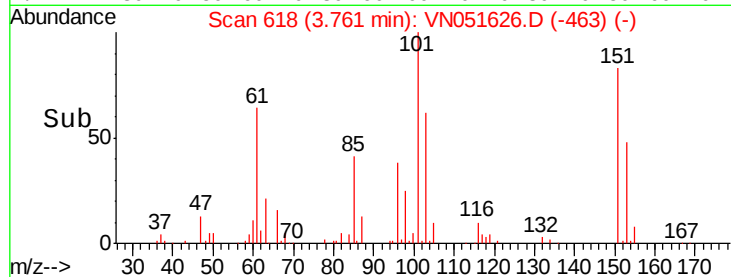
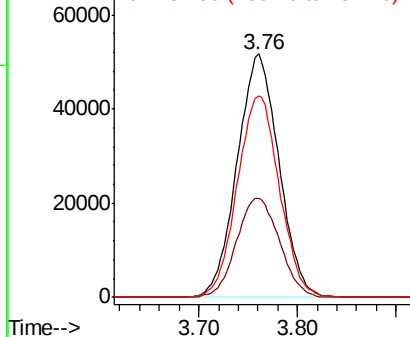
Tot Ion:	101	Resp:	151452
Ion Ratio	Lower	Upper	
101	100		
85	41.9	0.0	89.4
151	83.7	0.0	167.6

Manual Integrations
APPROVED

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.830 ug/l

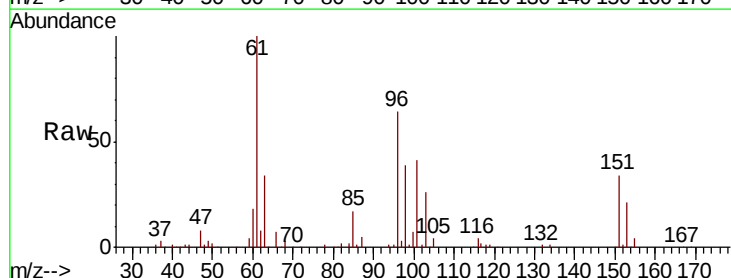
RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

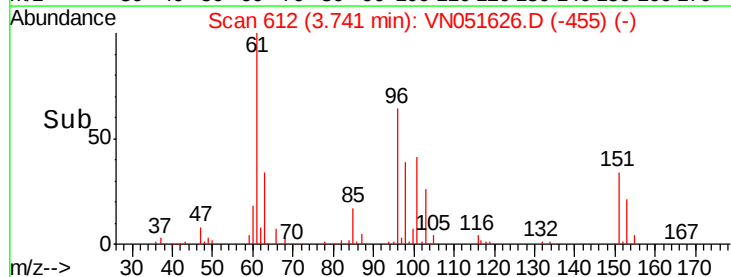
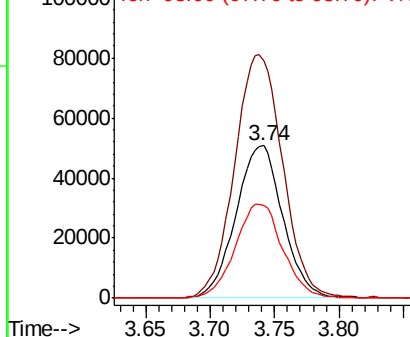
Lab File: VN051626.D

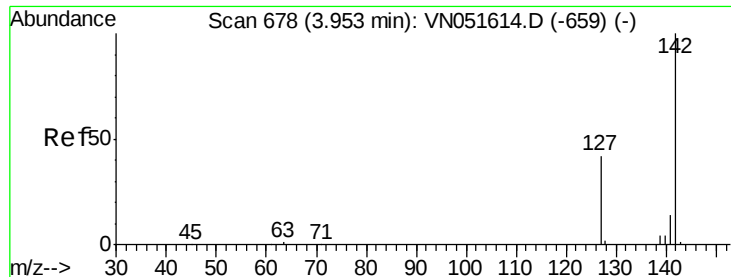
Acq: 1 Oct 2018 10:18

Tgt Ion:	96	Resp:	128583
Ion Ratio	Lower	Upper	
96	100		
61	155.2	131.0	196.4
98	60.4	52.7	79.1



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





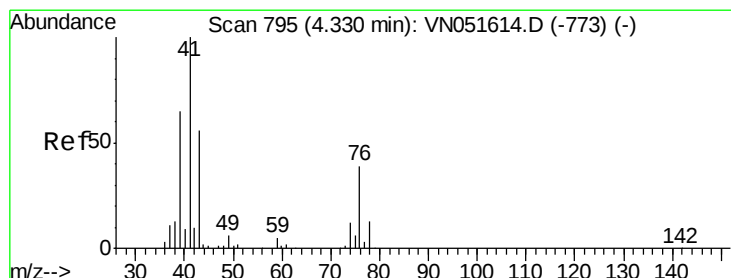
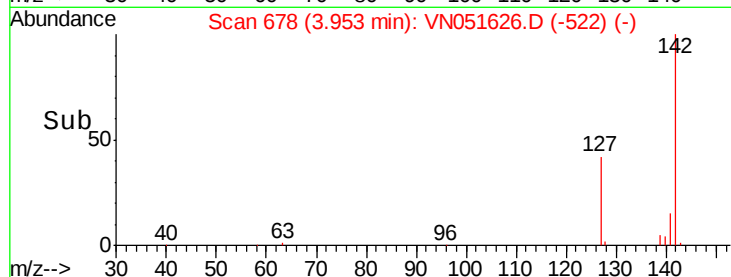
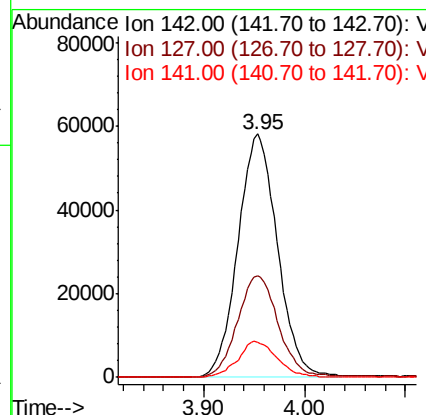
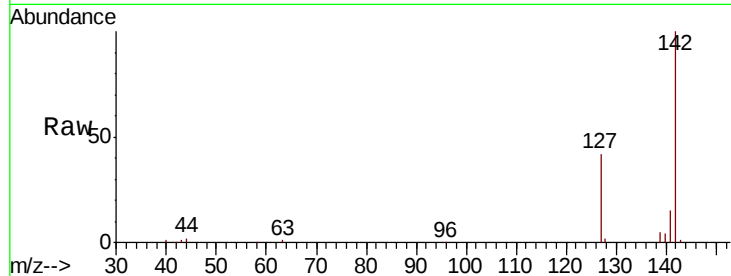
#11
Methyl Iodide
Concen: 18.936 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	21.1	63.1
141	14.6	7.1	21.4

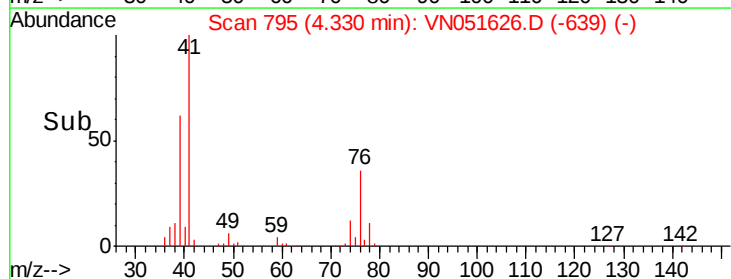
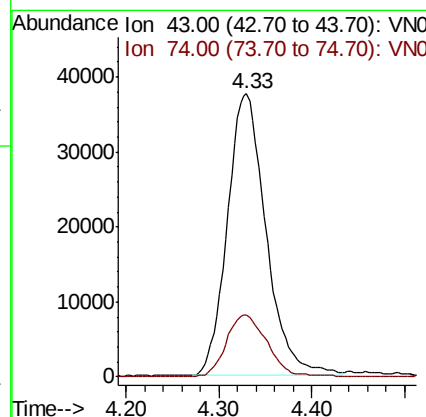
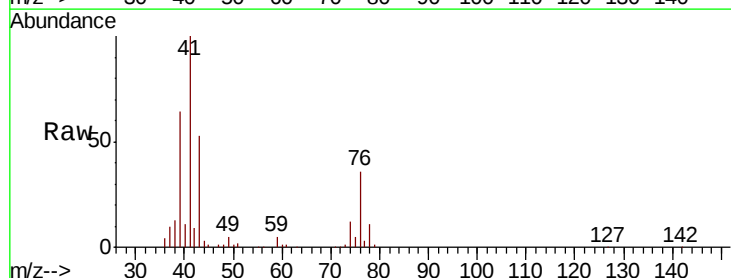
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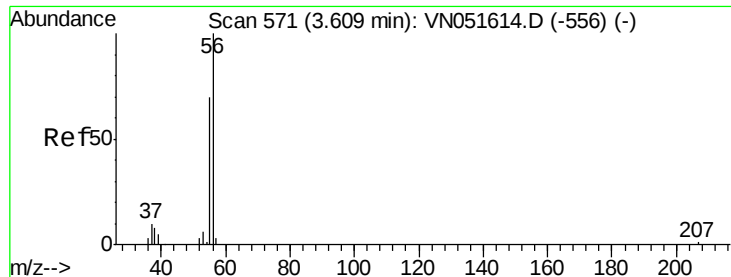
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#12
Methyl Acetate
Concen: 19.025 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.0	25.4





#13

Acrolein

Concen: 78.174 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 56 Resp: 49426

Ion Ratio Lower Upper

56 100

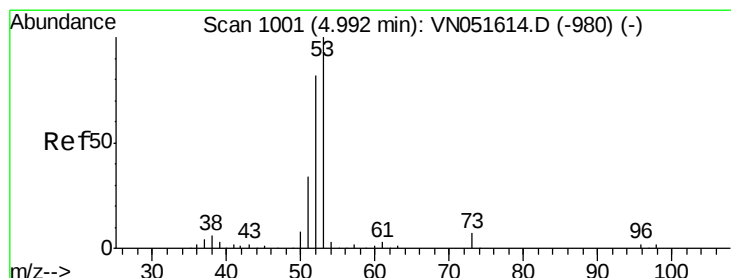
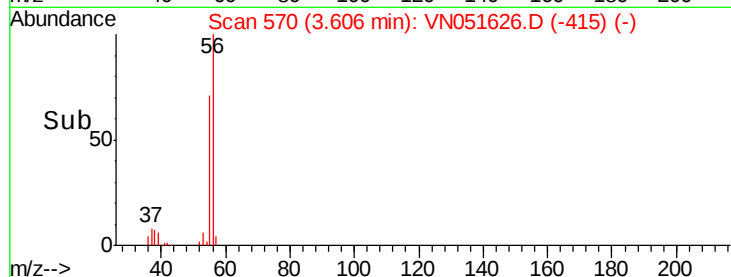
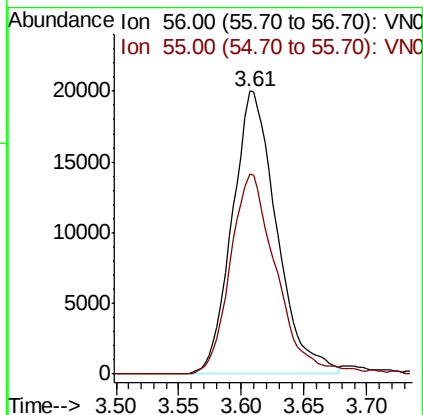
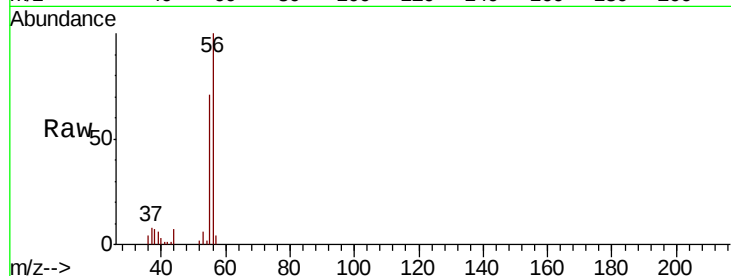
55 72.1 55.8 83.8

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#14

Acrylonitrile

Concen: 94.307 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

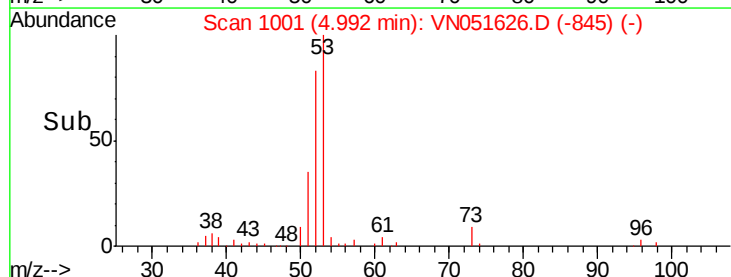
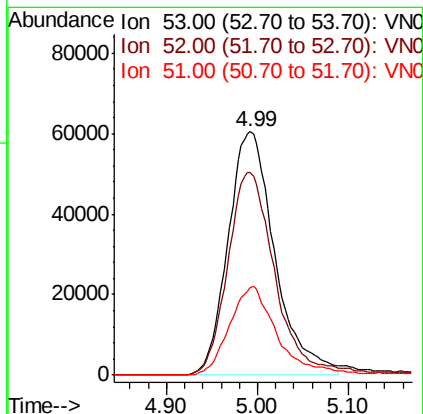
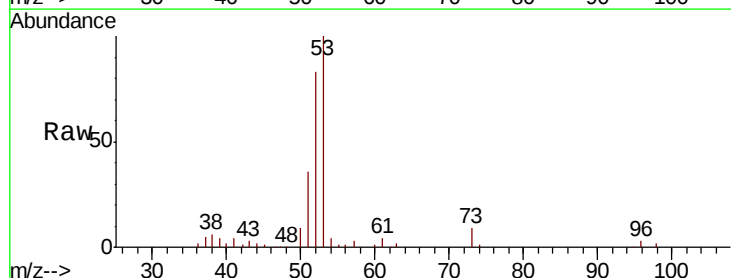
Tgt Ion: 53 Resp: 216139

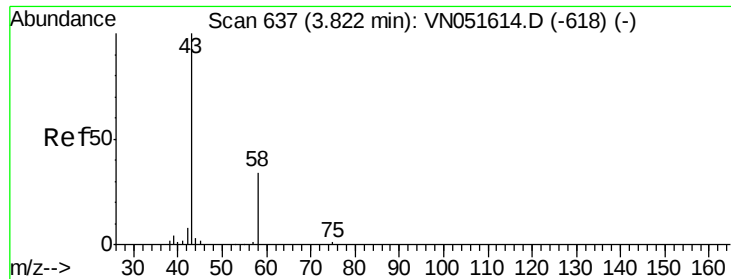
Ion Ratio Lower Upper

53 100

52 83.9 41.3 123.7

51 35.5 17.1 51.2





#15

Acetone

Concen: 100.315 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 60281

Ion Ratio Lower Upper

58 100

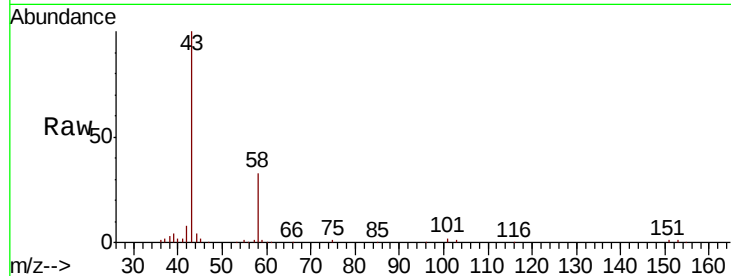
43 304.0 238.0 357.0

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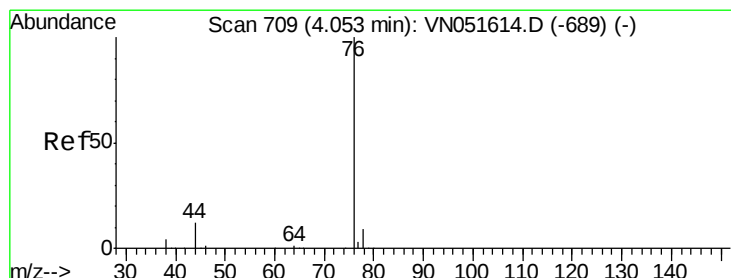
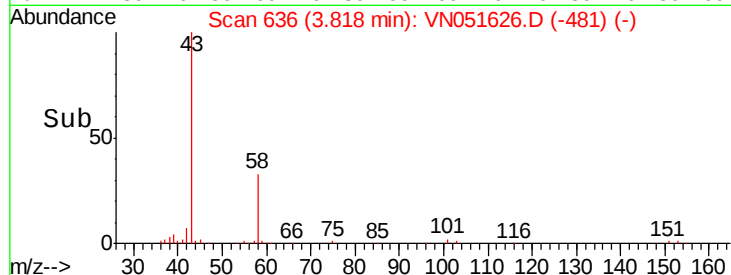
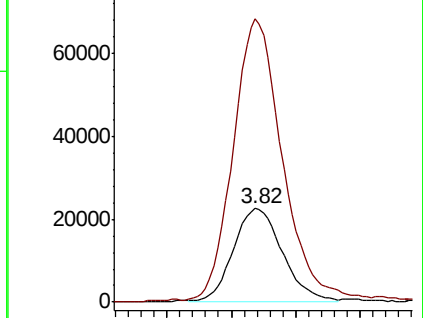
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Abundance Ion 58.00 (57.70 to 58.70): VN051614.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN051614.D (-618) (-)



#16

Carbon Disulfide

Concen: 19.098 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051626.D

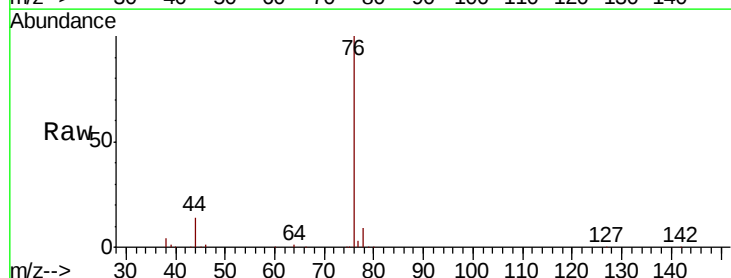
Acq: 1 Oct 2018 10:18

Tgt Ion: 76 Resp: 399069

Ion Ratio Lower Upper

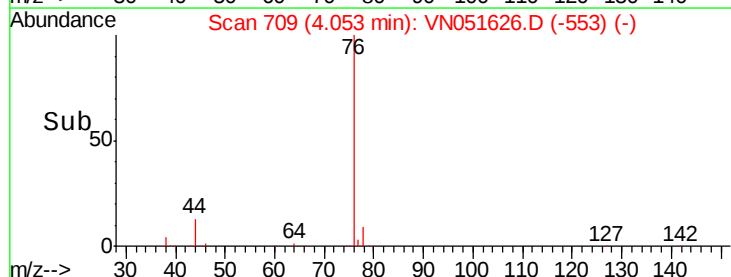
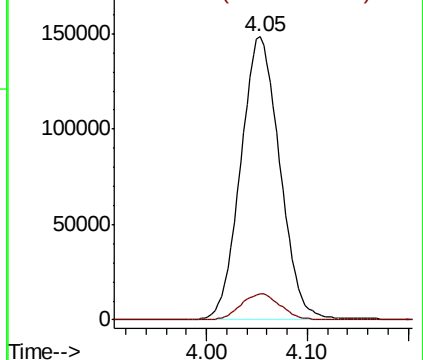
76 100

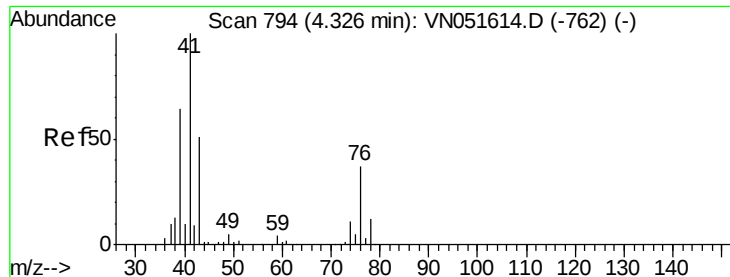
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051614.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051614.D (-689) (-)





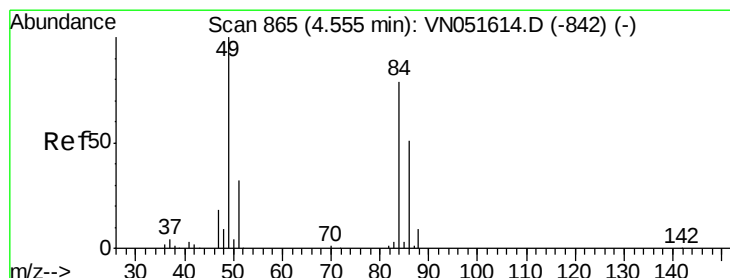
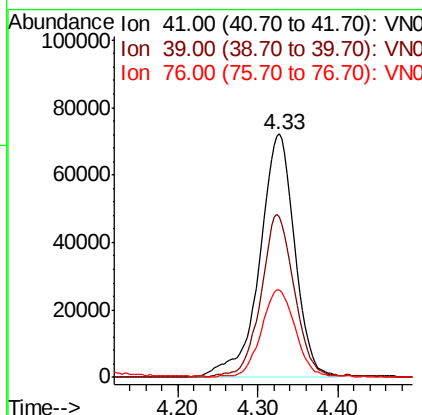
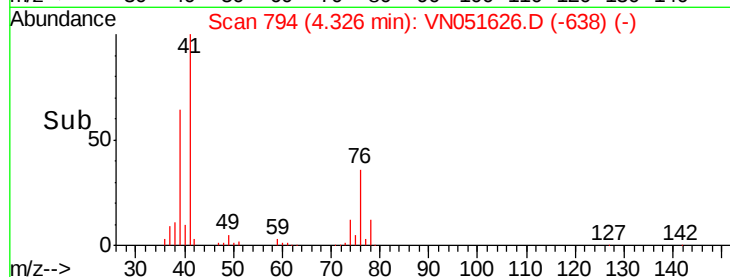
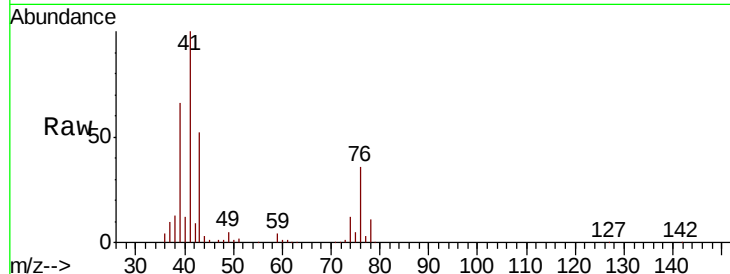
#17
Allvl chloride
Concen: 18.825 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.7	31.9	95.9
76	35.3	18.6	56.0

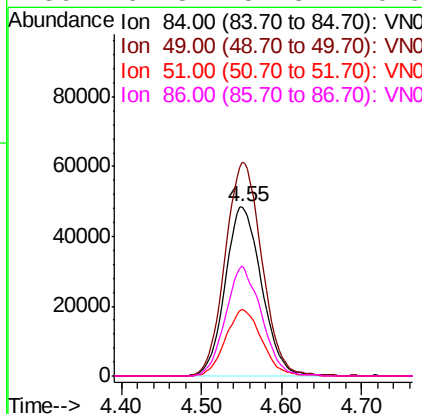
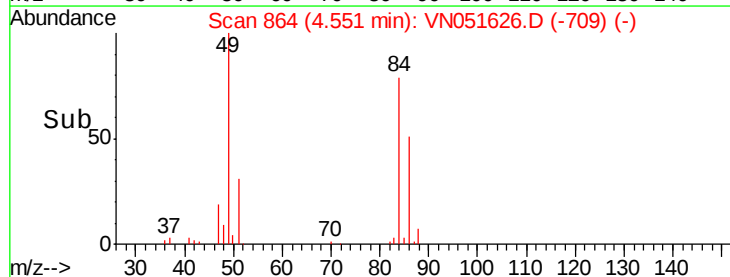
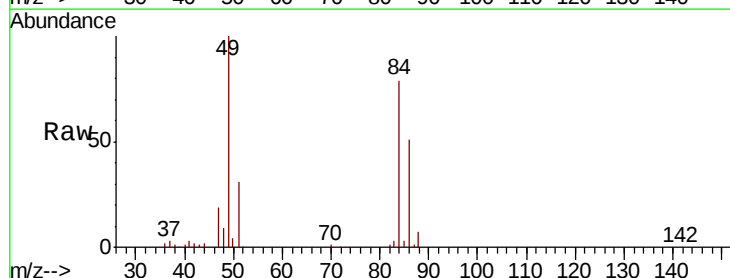
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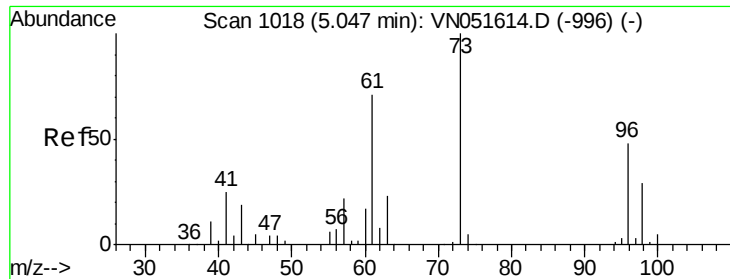
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#18
Methylene Chloride
Concen: 20.102 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	100.9	151.3
51	39.3	32.5	48.7
86	64.8	51.3	76.9





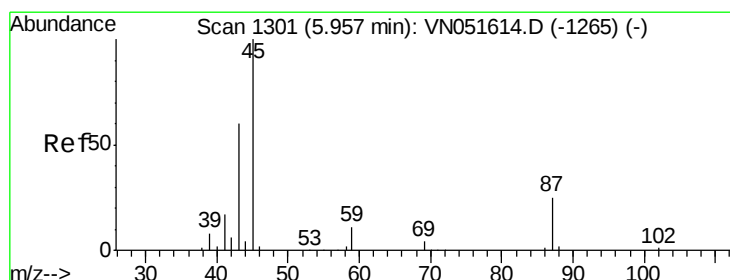
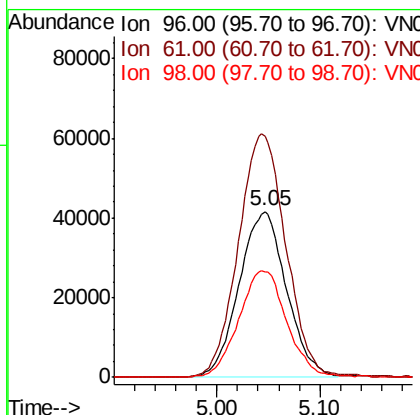
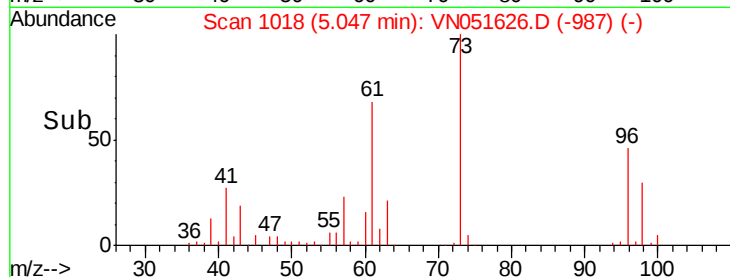
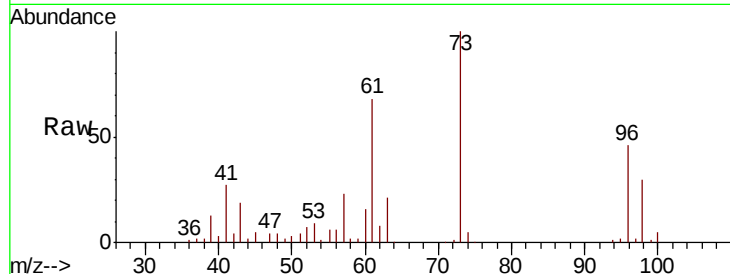
#19
trans-1,2-Dichloroethene
Concen: 19.341 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	118.0	177.0
98	63.9	49.0	73.4

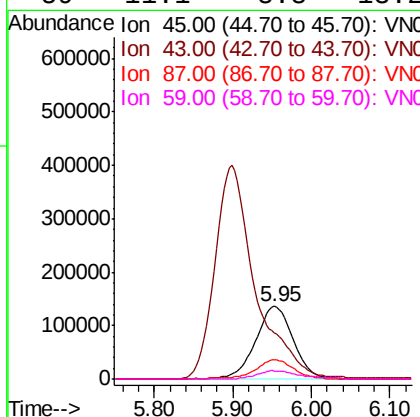
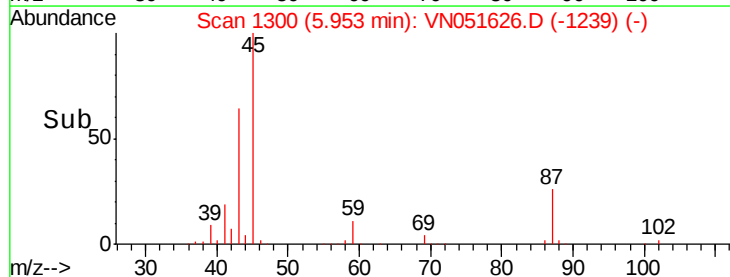
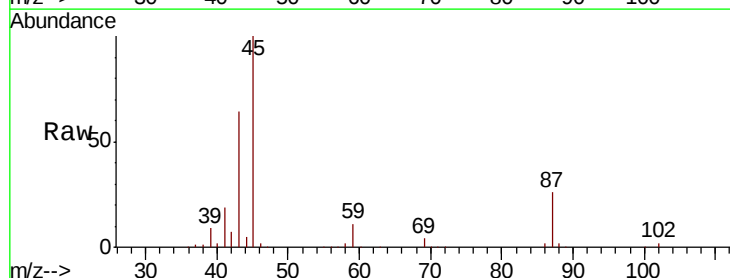
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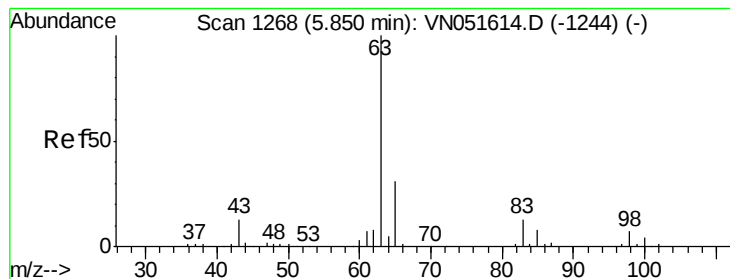
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#20
Diisopropyl ether
Concen: 19.920 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.3	72.5
87	25.8	20.8	31.2
59	11.1	8.8	13.2





#21

1,1-Dichloroethane

Concen: 19.826 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

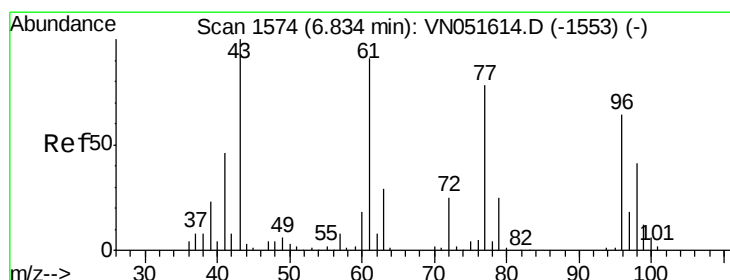
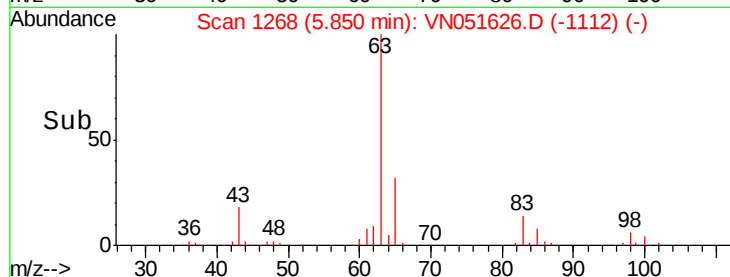
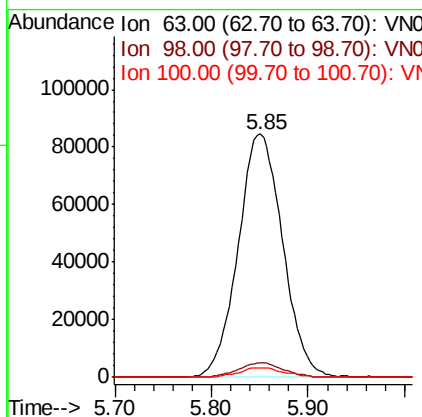
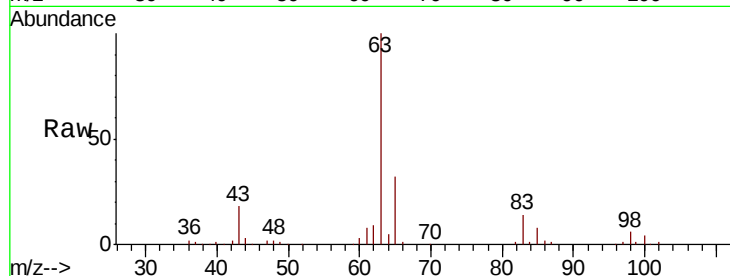
ClientSampleId :

VSTDCCC020

Tot Ion	63	Resp	270390
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.9
100	4.0	2.0	5.8

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.257 ug/l

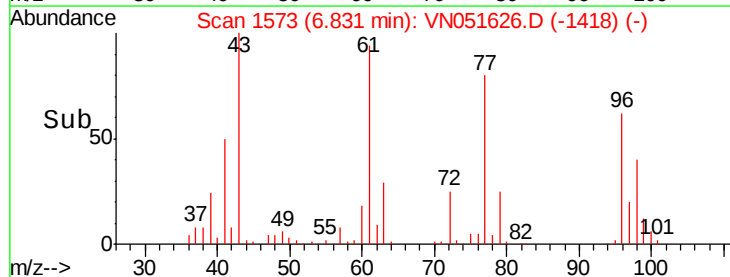
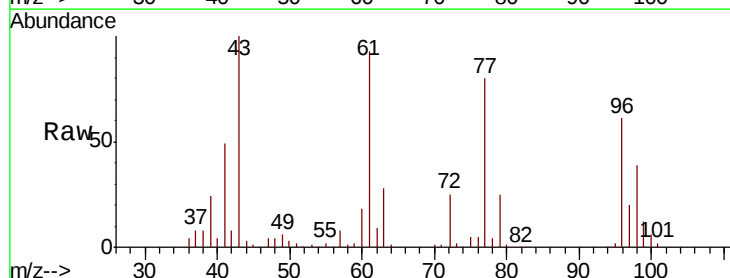
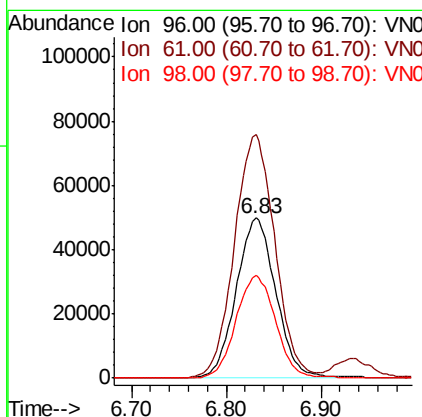
RT: 6.83 min Scan# 1573

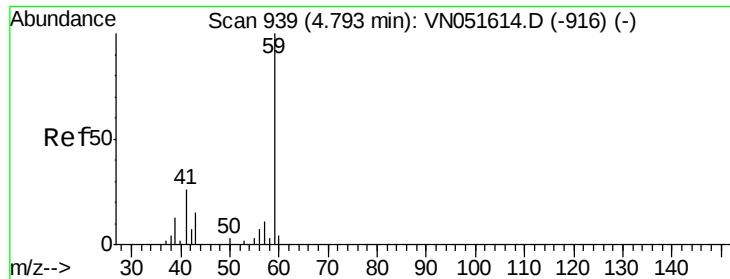
Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Tgt Ion	96	Resp	144765
Ion	Ratio	Lower	Upper
96	100		
61	155.6	120.4	180.6
98	63.8	51.4	77.0





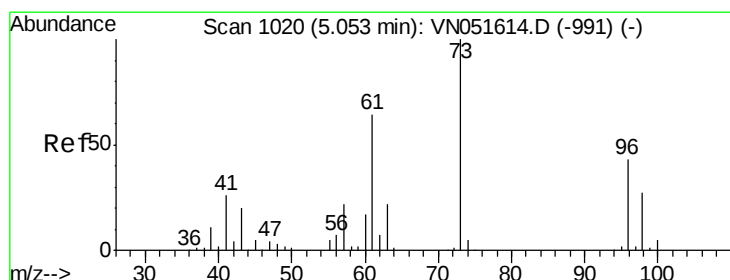
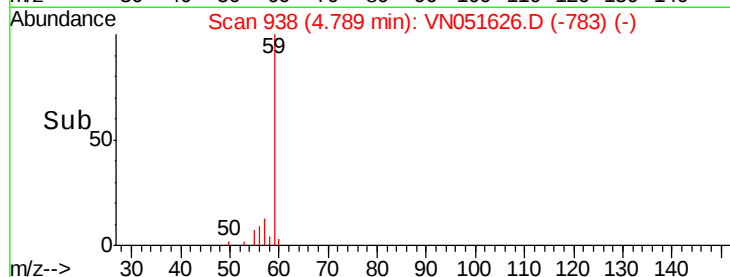
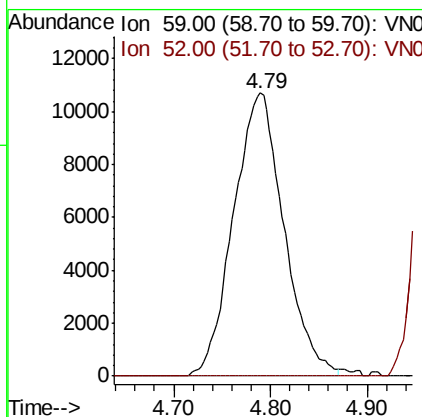
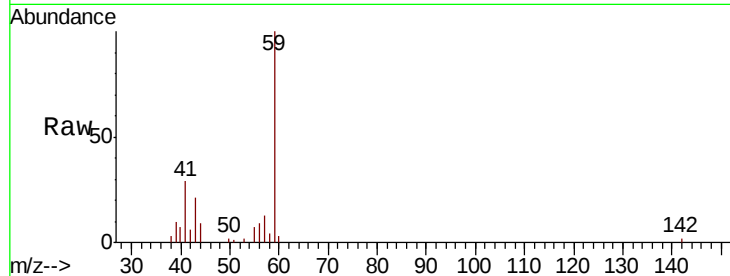
#23
tert-Butyl Alcohol
Concen: 88.463 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

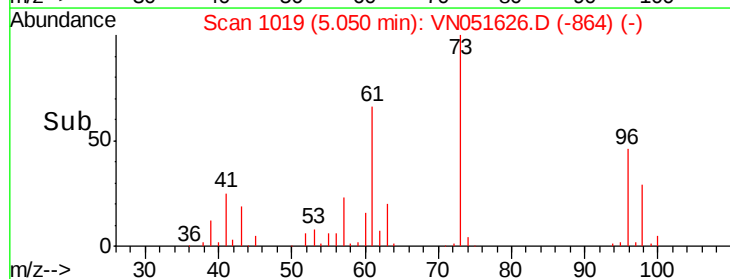
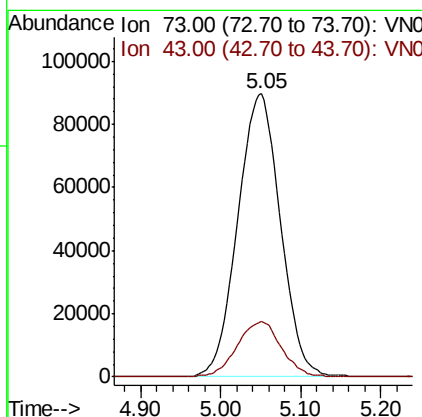
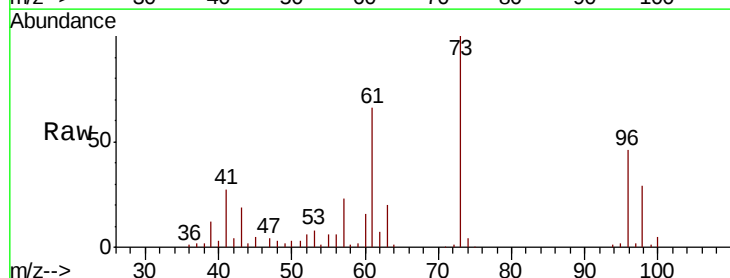
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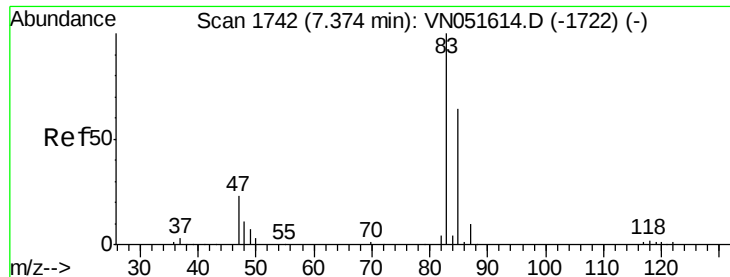
MMDadoda
10/2/2018 3:03:52 PM



#24
Methyl tert-Butyl Ether
Concen: 19.115 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	16.1	24.1





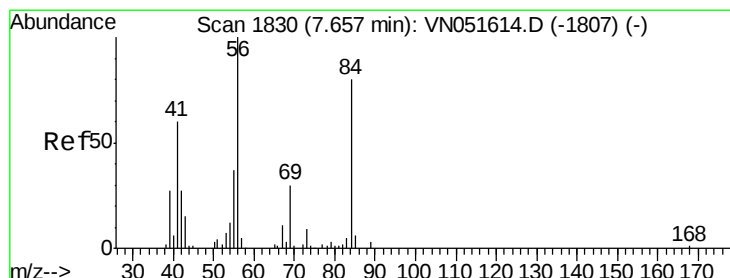
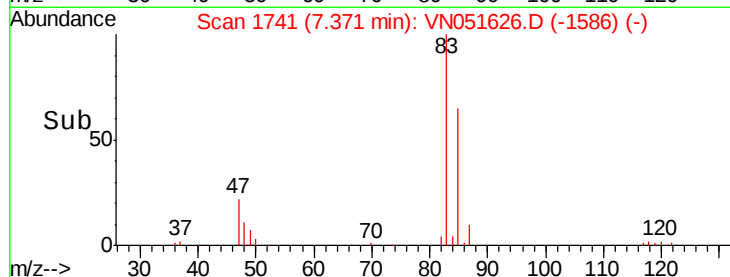
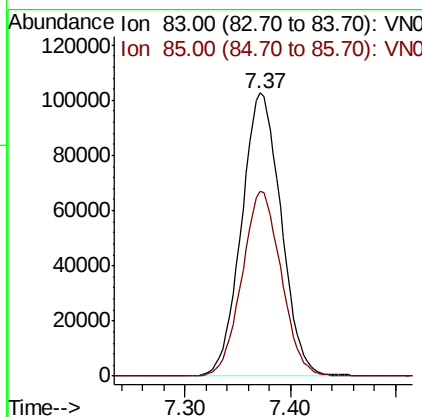
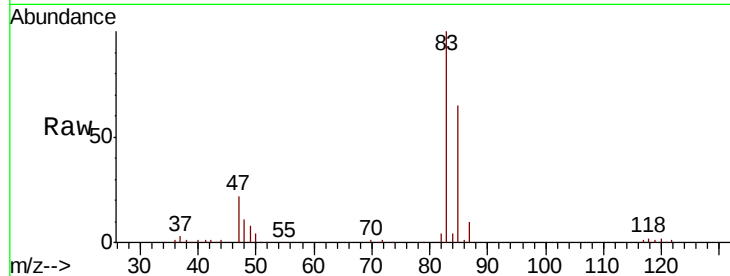
#25
Chloroform
Concen: 20.524 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	83	Resp	267632
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	51.4	77.0

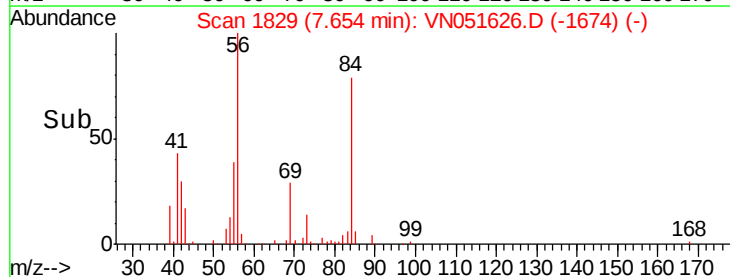
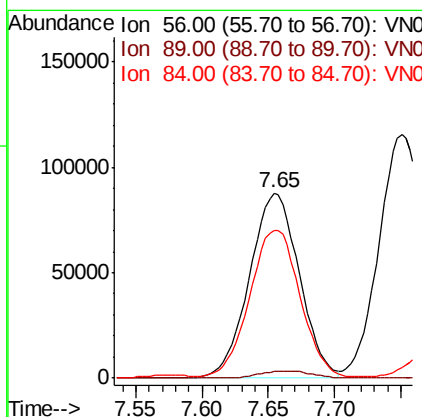
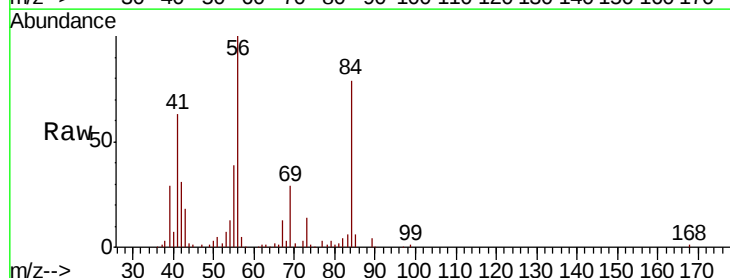
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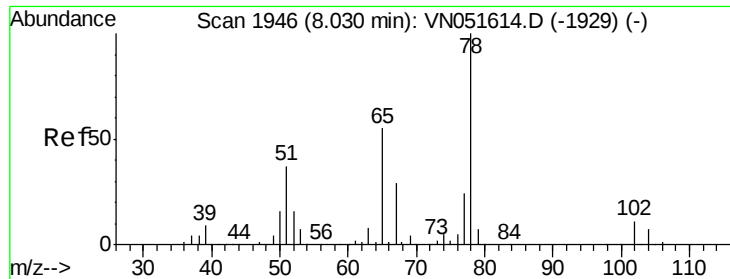
MMDadoda
10/2/2018 3:03:52 PM



#26
Cyclohexane
Concen: 19.466 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	56	Resp	229737
Ion Ratio	100	Lower	Upper
56	100		
89	4.0	2.2	3.2#
84	81.6	65.0	97.4





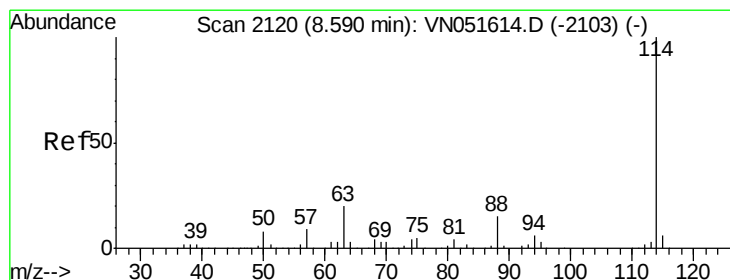
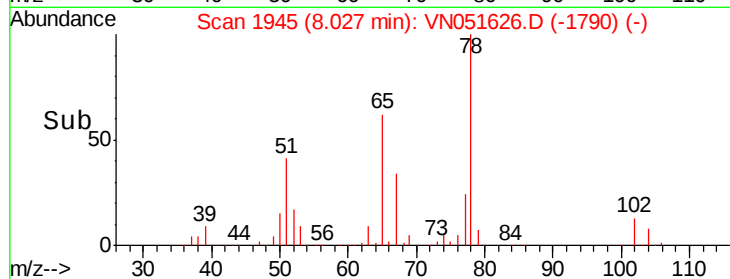
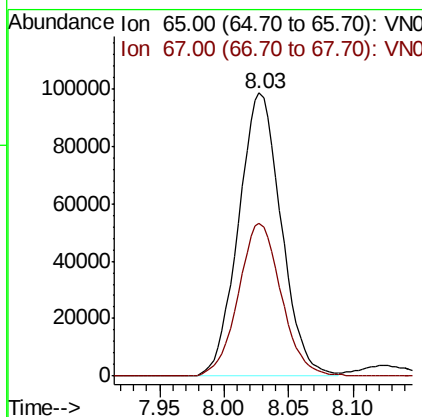
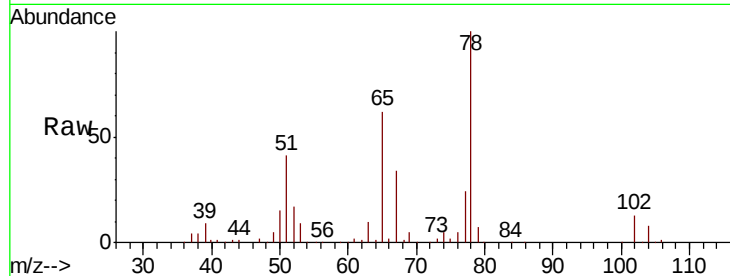
#27
 1,2-Dichloroethane-d4
 Concen: 19.466 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	43.1	64.7

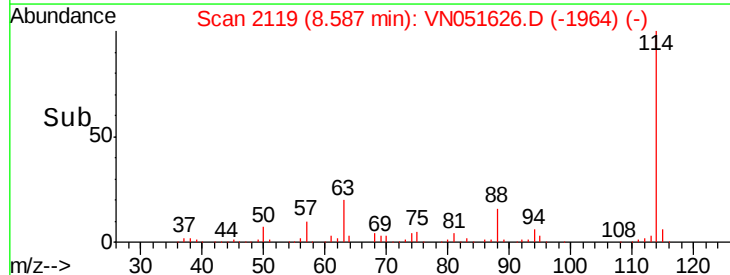
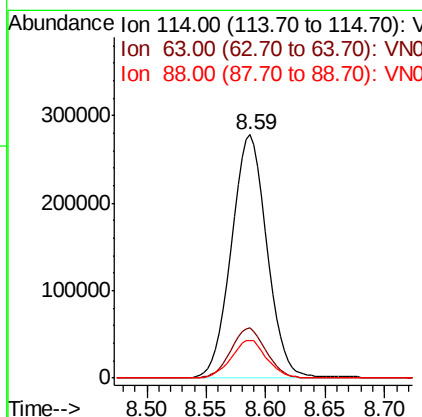
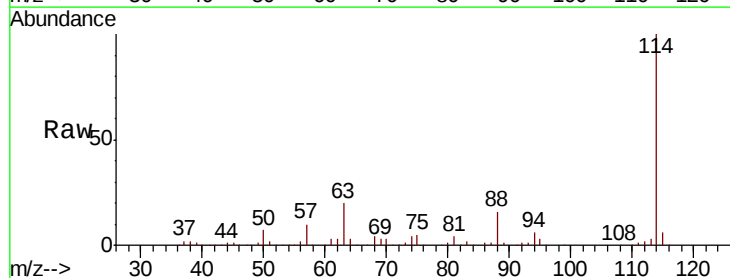
Manual Integrations
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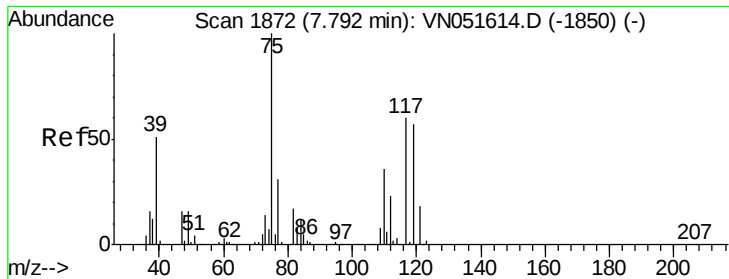
MMDadoda
 10/2/2018 3:03:52 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.4	24.6
88	15.6	12.6	18.8





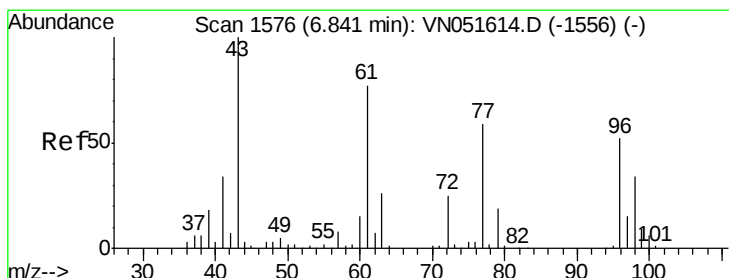
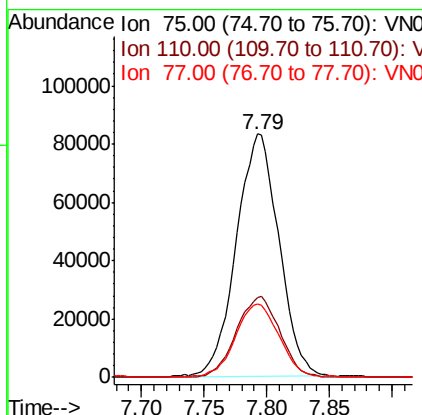
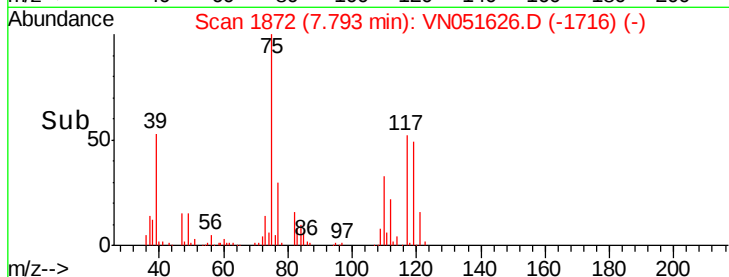
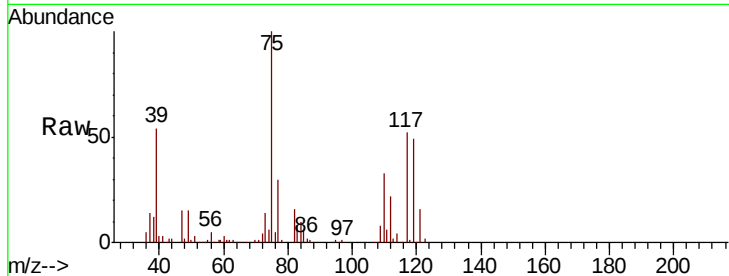
#29
 1,1-Dichloropropene
 Concen: 19.922 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.0	0.0	71.0
77	31.2	0.0	62.4

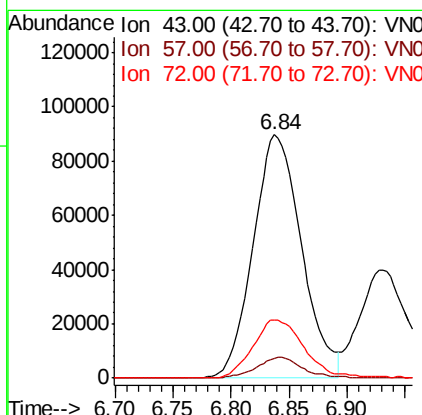
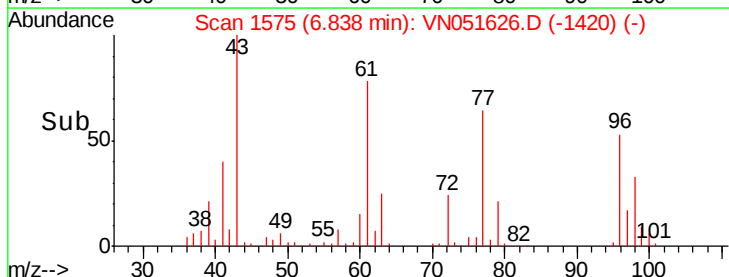
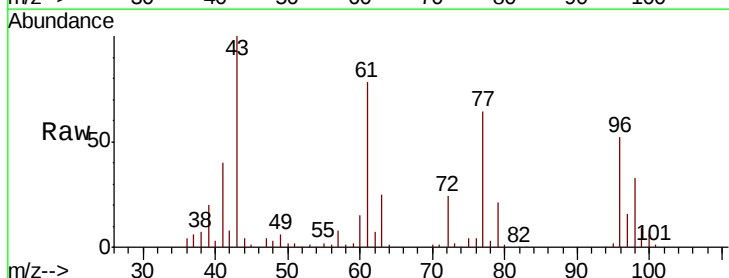
Manual Integrations
 APPROVED

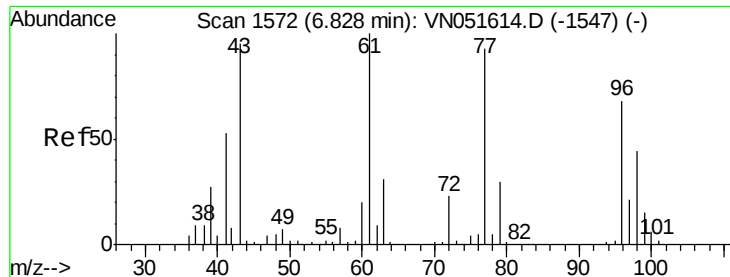
MMDadoda
 10/2/2018 3:03:52 PM



#30
 2-Butanone
 Concen: 97.276 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.6	10.0
72	24.5	20.8	31.2





#31

2,2-Dichloropropane

Concen: 20.161 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 214276

Ion Ratio Lower Upper

77 100

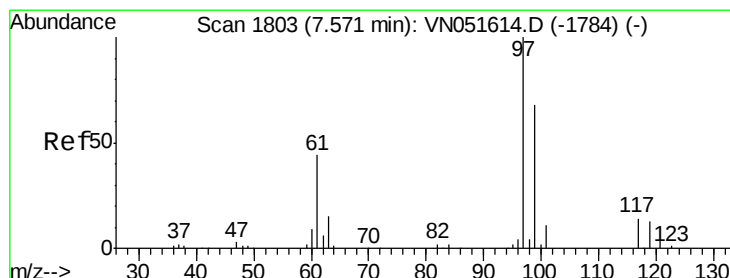
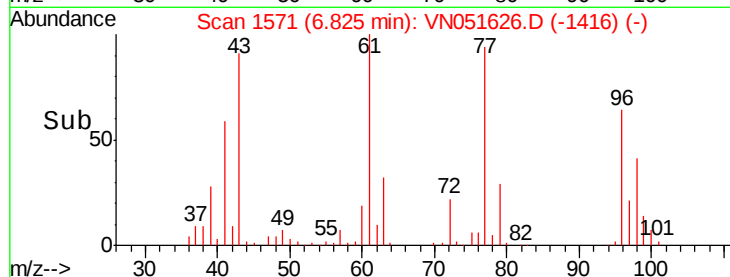
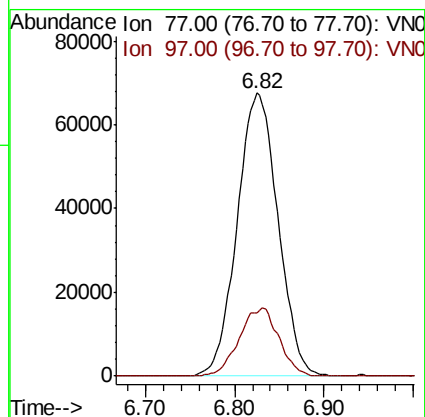
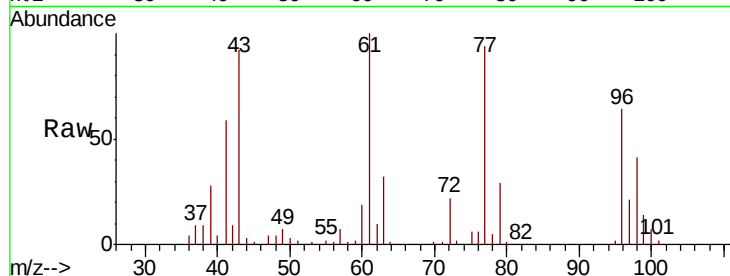
97 23.5 18.6 28.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.447 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

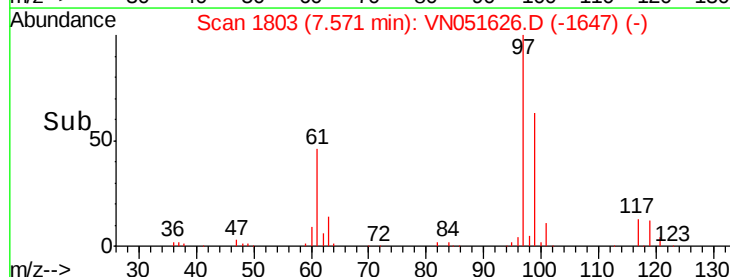
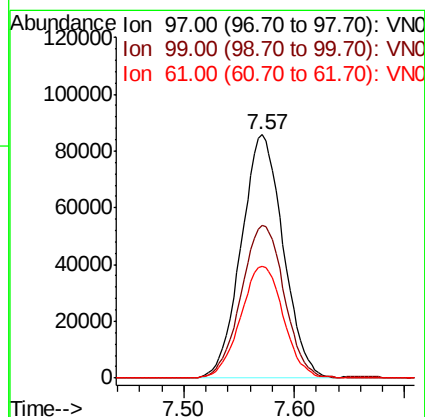
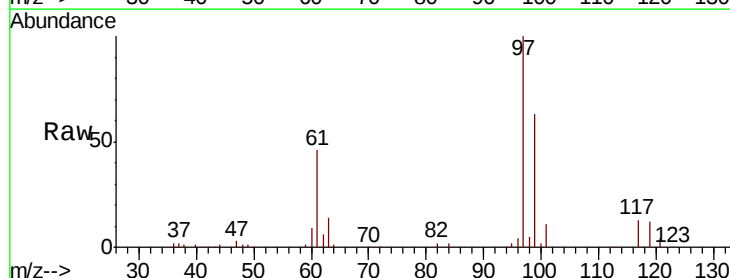
Tgt Ion: 97 Resp: 226240

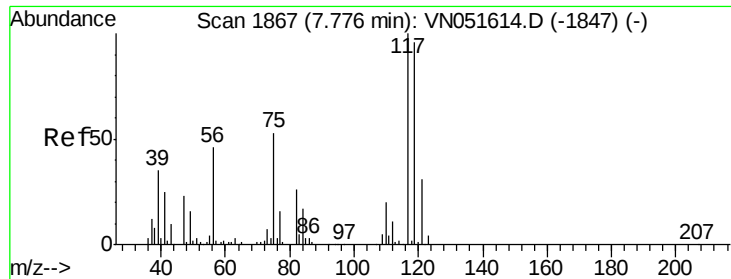
Ion Ratio Lower Upper

97 100

99 64.4 52.2 78.4

61 47.0 36.2 54.4





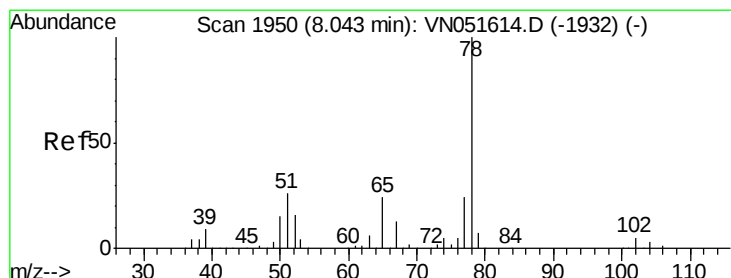
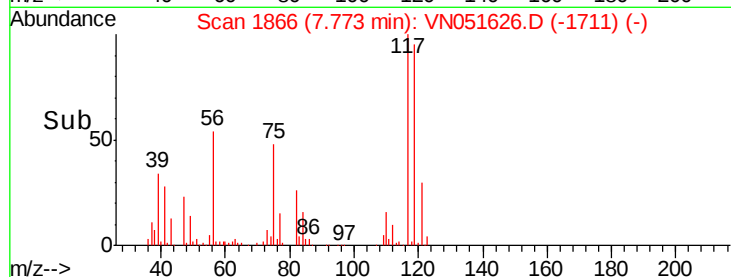
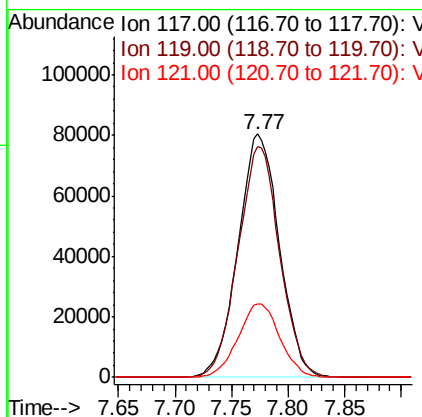
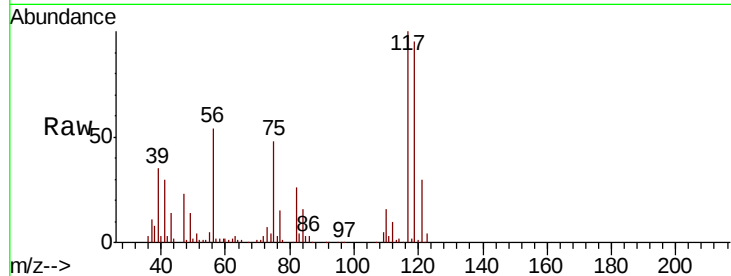
#33
Carbon Tetrachloride
Concen: 20.529 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.5	114.7
121	30.0	25.0	37.6

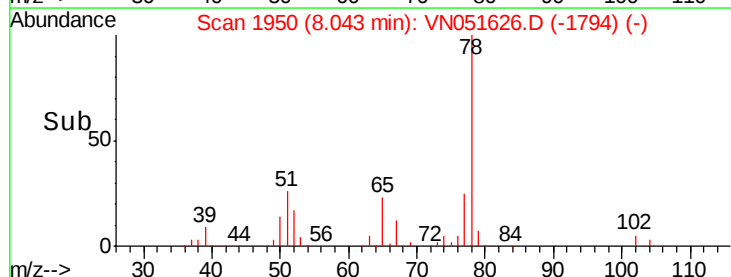
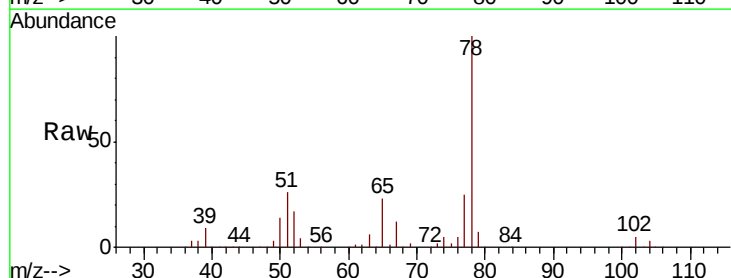
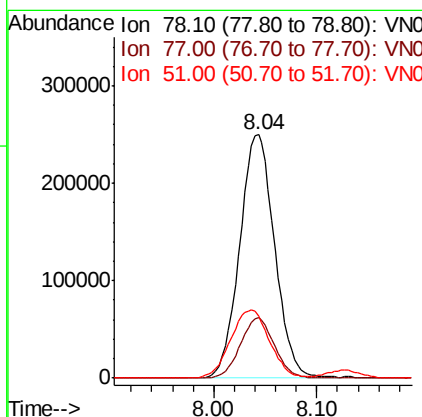
Manual Integrations
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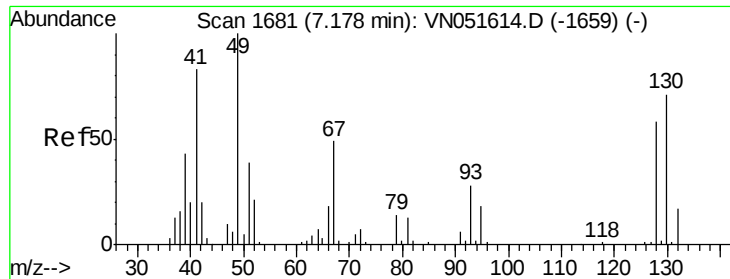
MMDadoda
10/2/2018 3:03:52 PM



#34
Benzene
Concen: 20.170 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.3	28.9
51	25.5	20.8	31.2





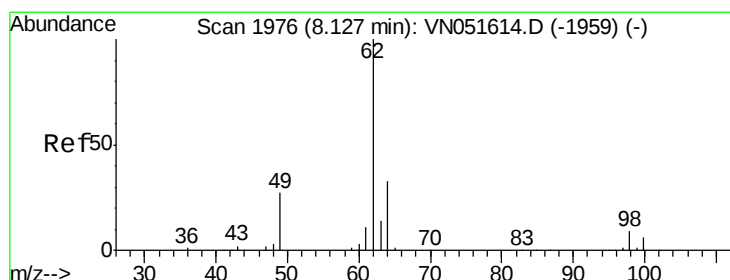
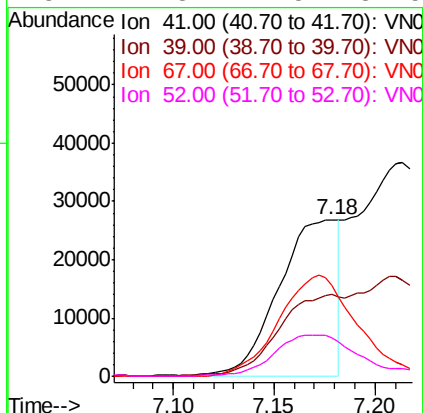
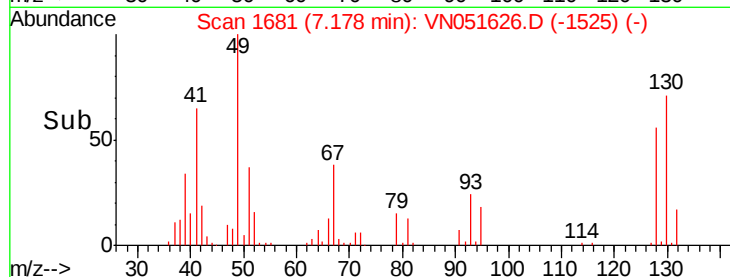
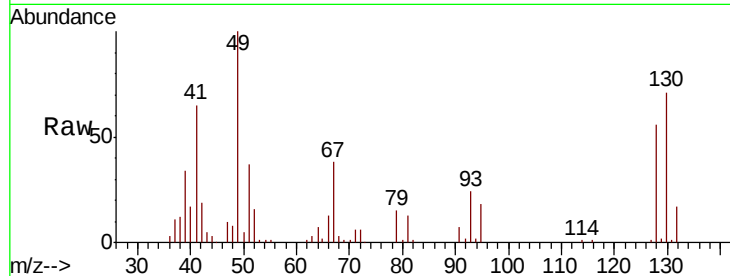
#35
Methacrylonitrile
Concen: 18.159 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	25.6	76.8
67	58.3	29.4	88.2
52	24.8	12.5	37.5

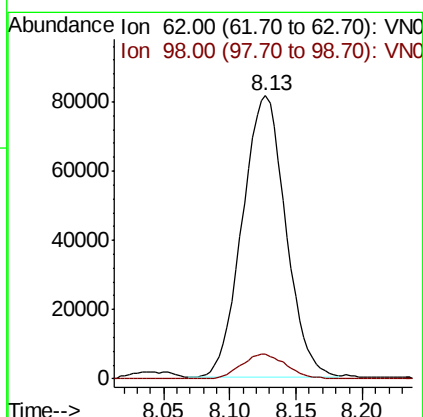
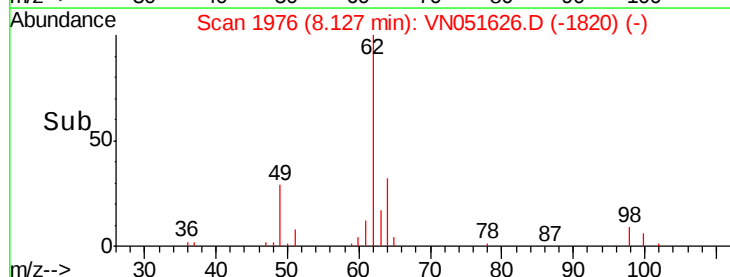
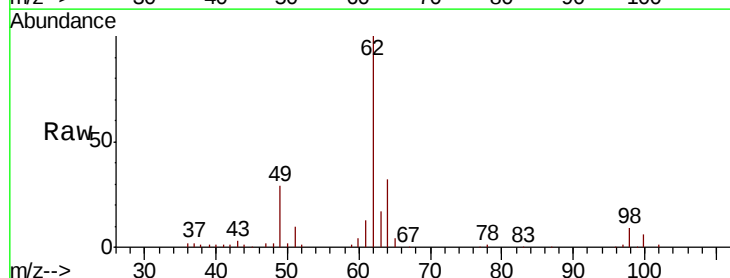
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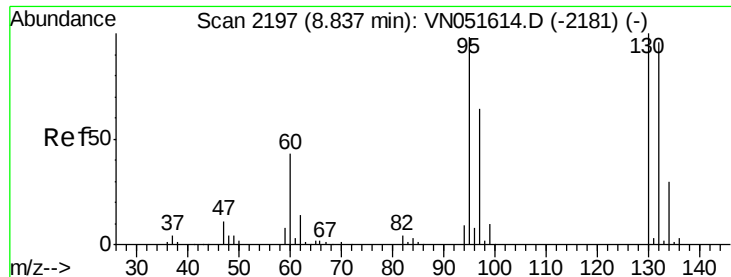
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.852 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.4	11.2





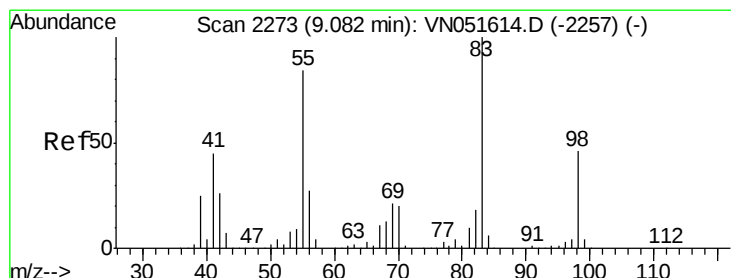
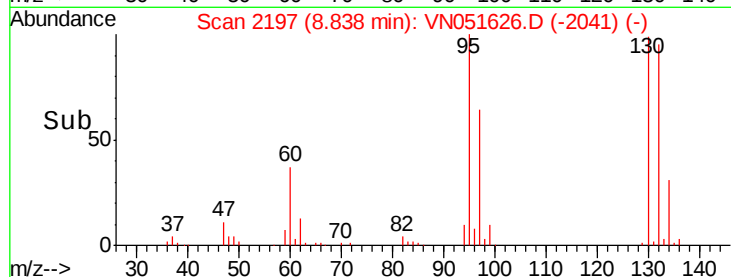
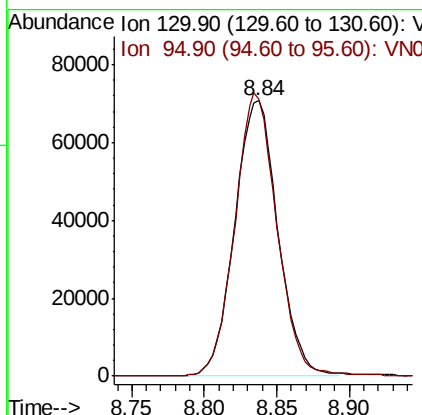
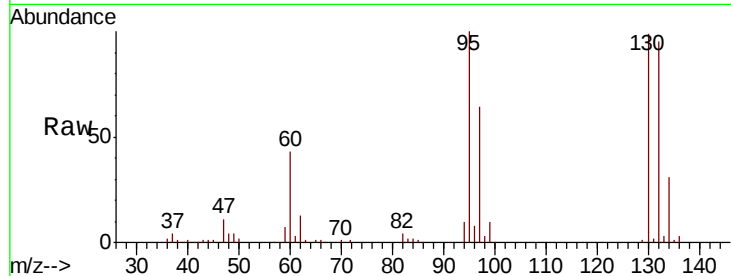
#37
 Trichloroethene
 Concen: 19.552 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 146665
 Ion Ratio Lower Upper
 130 100
 95 100.1 78.4 117.6

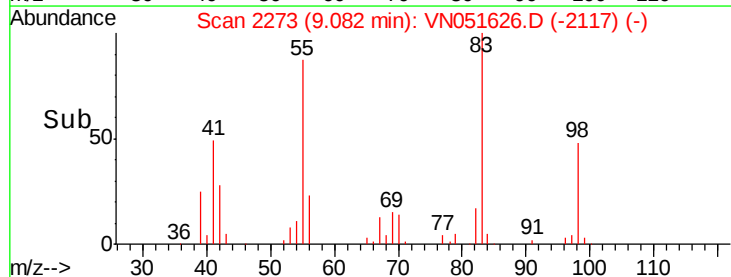
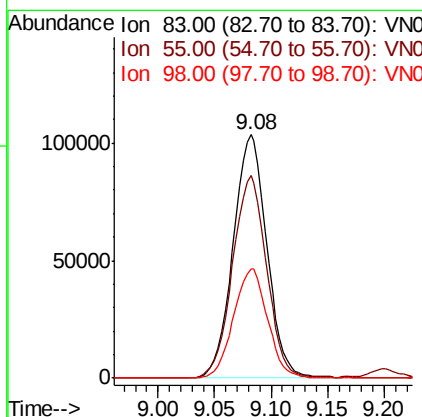
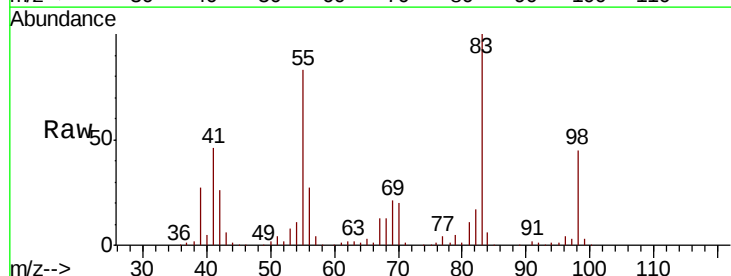
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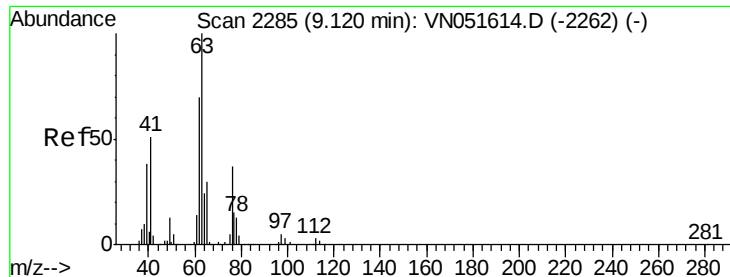
MMDadoda
 10/2/2018 3:03:52 PM



#38
 Methylcyclohexane
 Concen: 18.942 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 83 Resp: 215245
 Ion Ratio Lower Upper
 83 100
 55 84.5 41.6 124.9
 98 45.2 23.1 69.2





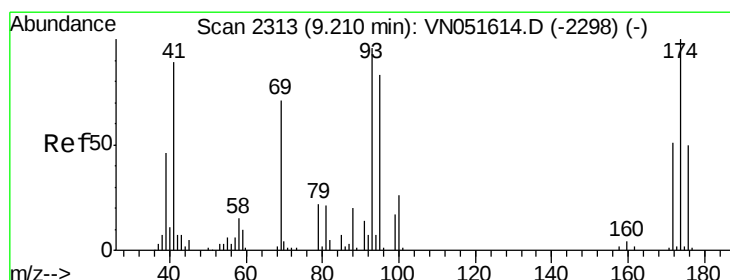
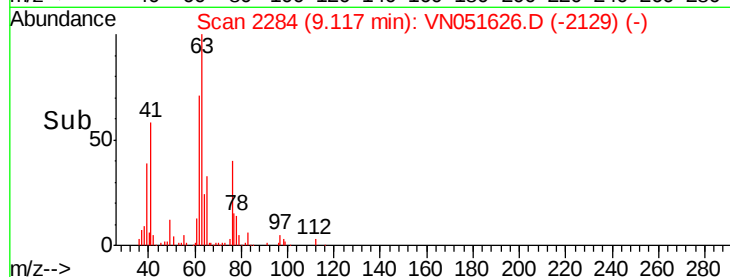
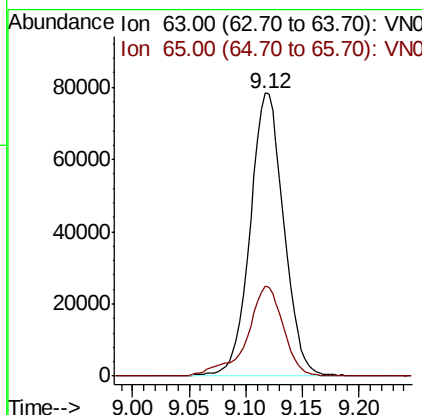
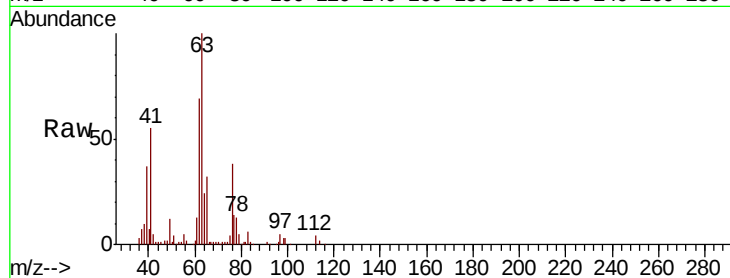
#39
 1,2-Dichloropropane
 Concen: 20.253 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.4	36.6

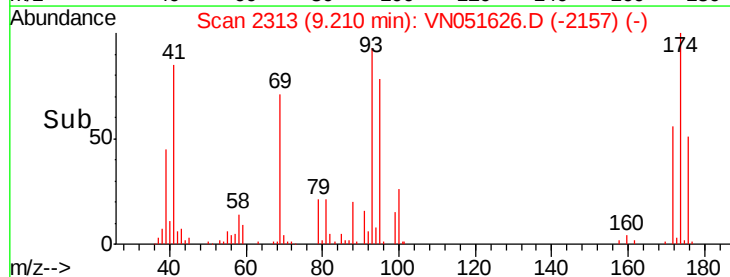
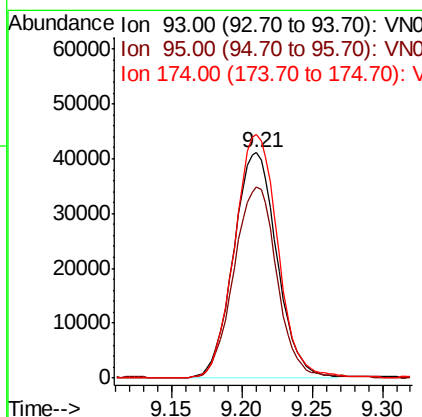
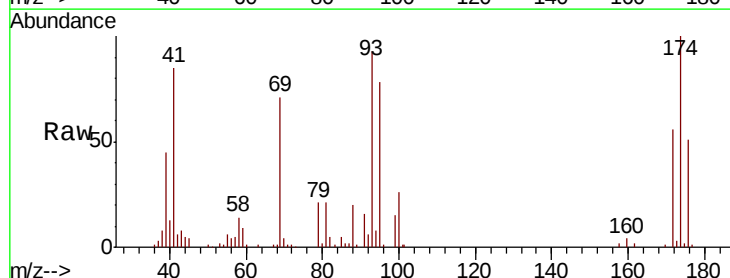
Manual Integrations
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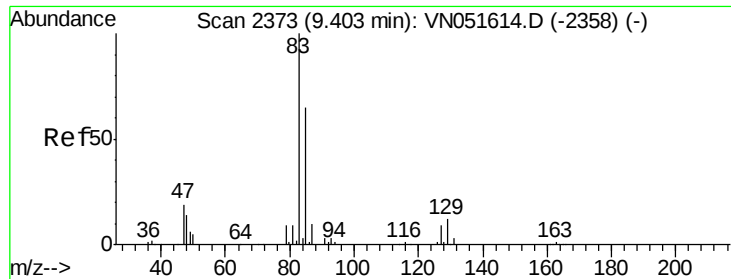
MMDadoda
 10/2/2018 3:03:52 PM



#40
 Dibromomethane
 Concen: 19.920 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	0.0	171.0
174	107.7	0.0	212.0





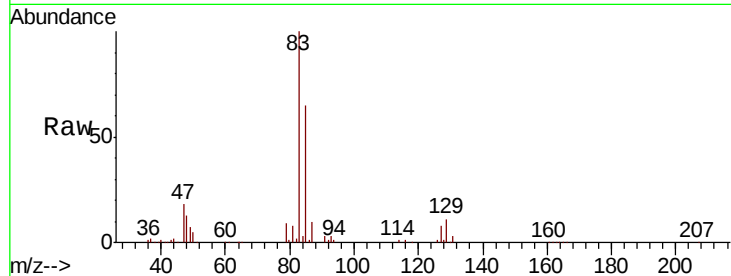
#41
Bromodichloromethane
Concen: 20.382 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

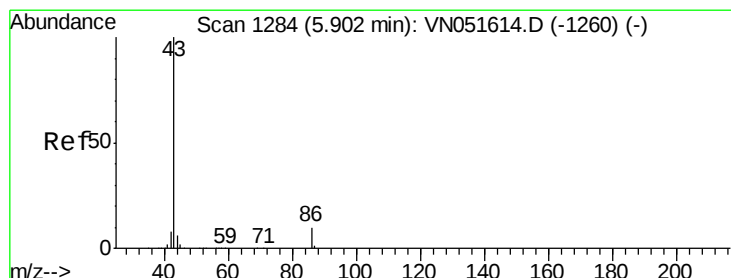
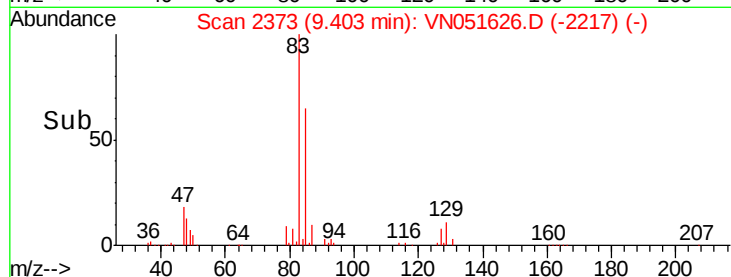
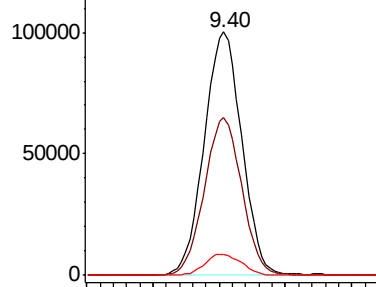
Tot Ion	83	Resp	197851
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	52.1	78.1
127	8.3	7.1	10.7

Manual Integrations
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10/2/2018 3:03:52 PM

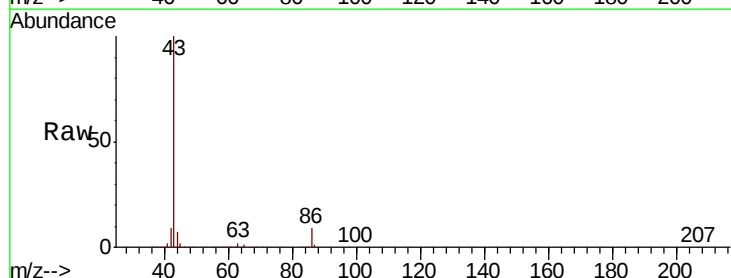


Abundance Ion 83.00 (82.70 to 83.70): VN051614.D (-2358) (-)

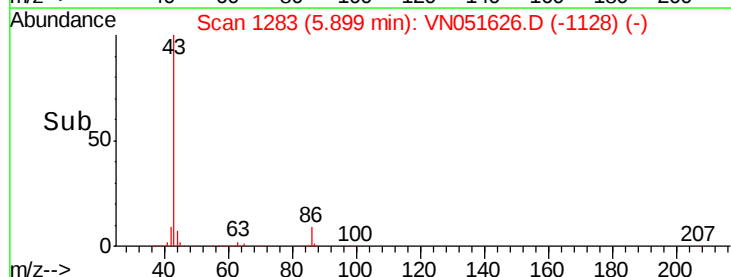
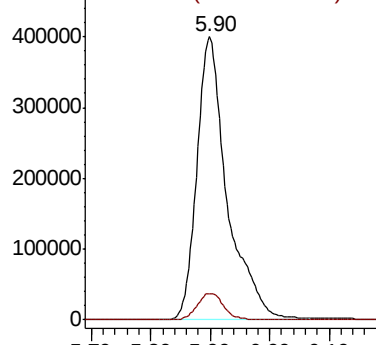


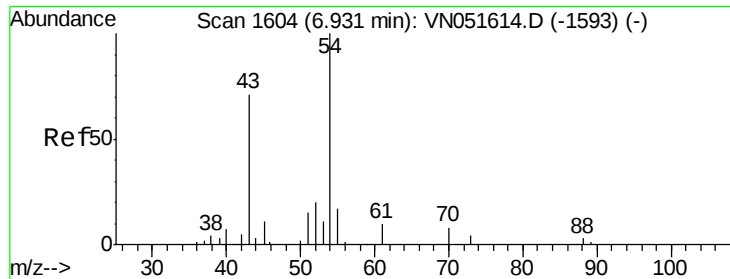
#42
Vinyl Acetate
Concen: 95.161 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	43	Resp	1419904
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.6	9.8



Abundance Ion 43.00 (42.70 to 43.70): VN051614.D (-1260) (-)





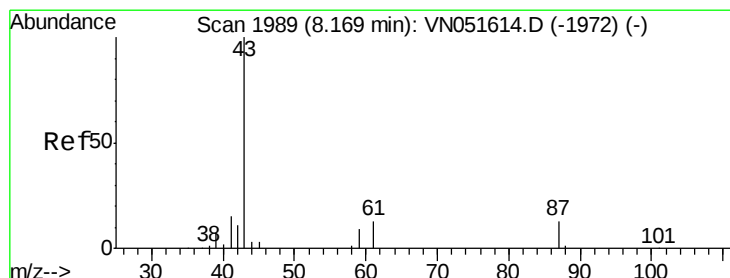
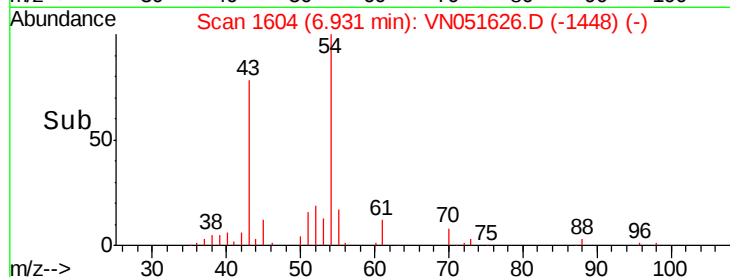
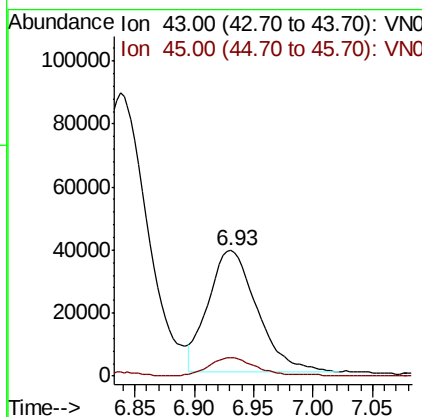
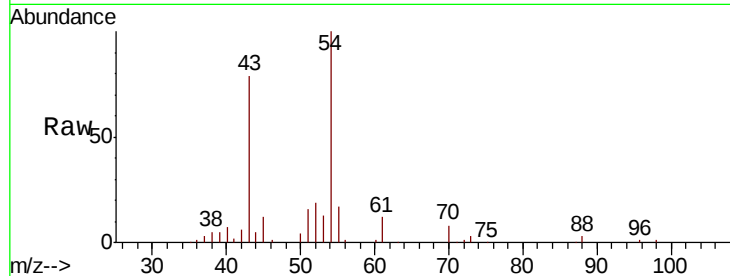
#43
Ethyl Acetate
Concen: 19.459 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 110394
Ion Ratio Lower Upper
43 100
45 13.7 10.6 16.0

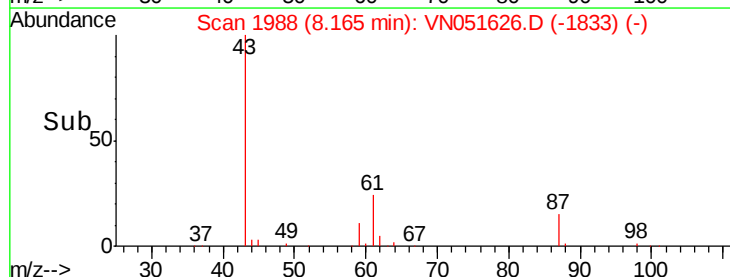
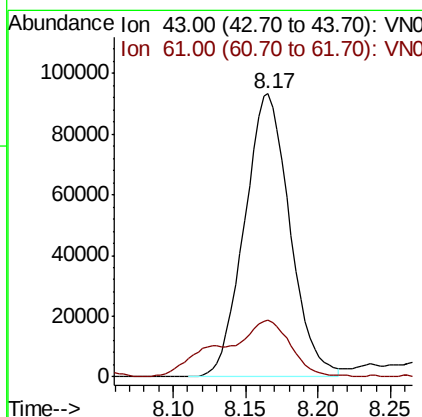
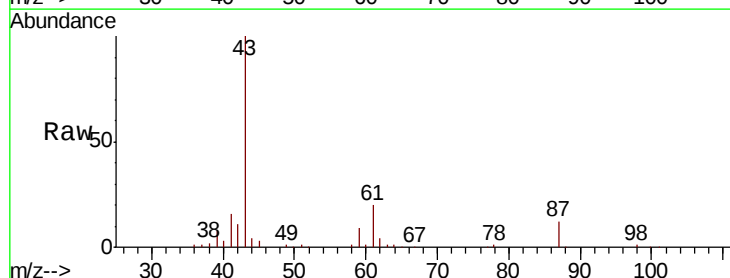
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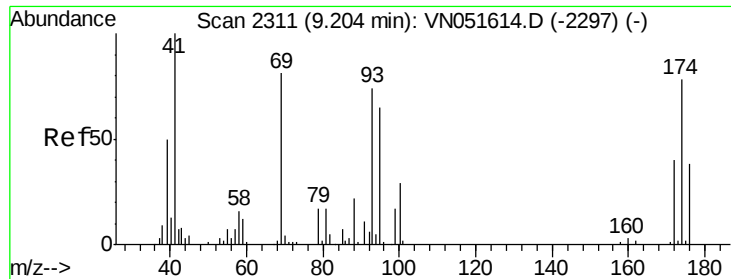
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#44
Isopropyl Acetate
Concen: 18.206 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 43 Resp: 202237
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0





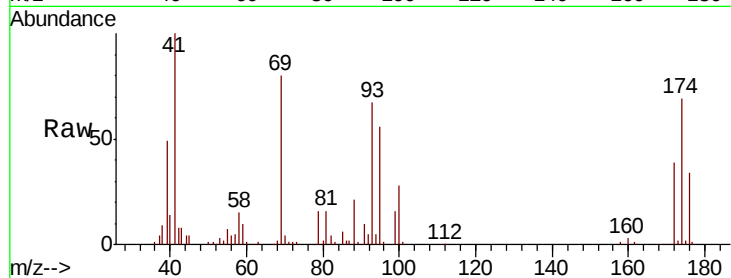
#45
 1,4-Dioxane
 Concen: 383.079 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

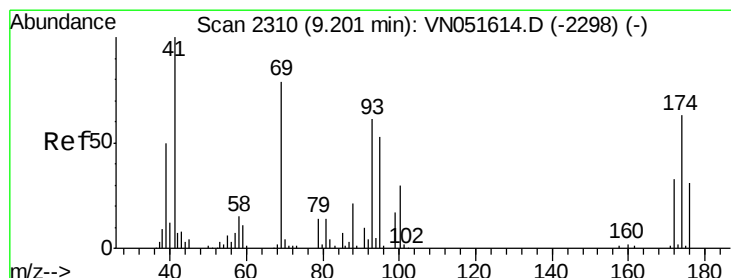
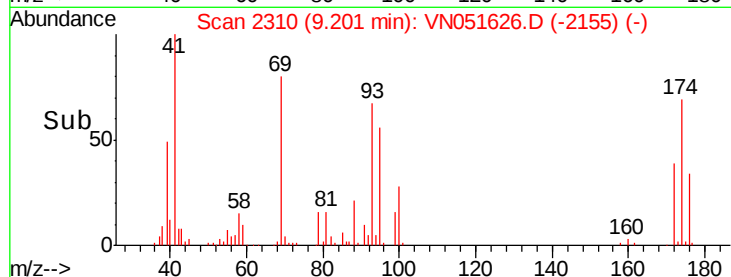
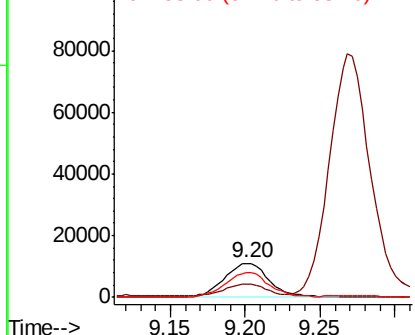
Tot Ion: 88 Resp: 23019
 Ion Ratio Lower Upper
 88 100
 43 32.7 29.0 43.6
 58 71.6 59.0 88.6

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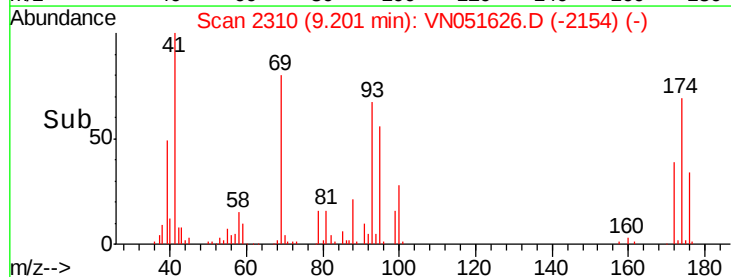
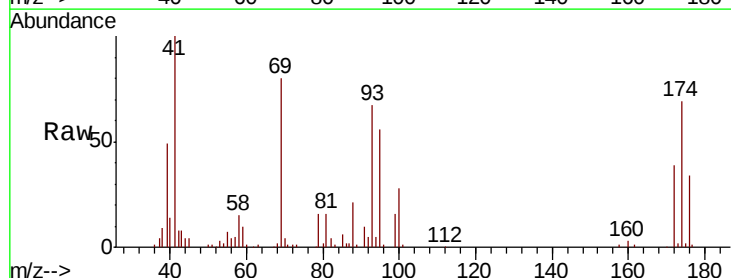
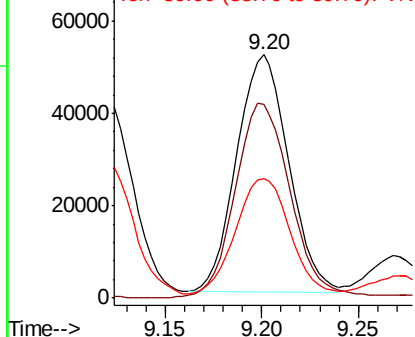
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

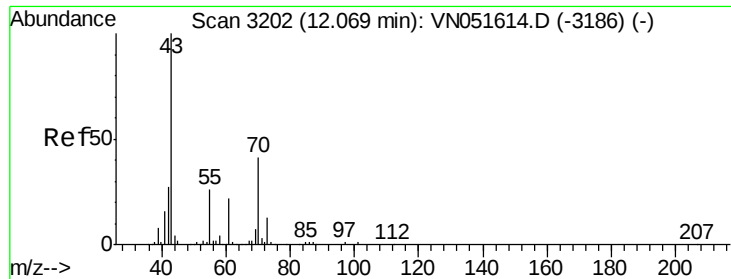


#46
 Methyl methacrylate
 Concen: 18.642 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 41 Resp: 96328
 Ion Ratio Lower Upper
 41 100
 69 81.1 39.6 118.7
 39 48.8 24.9 74.6

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





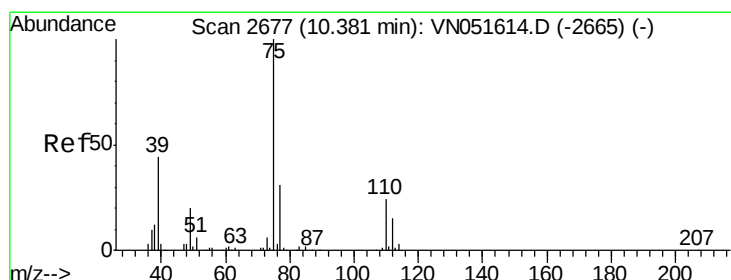
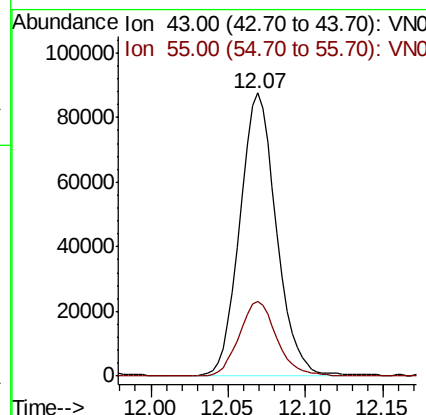
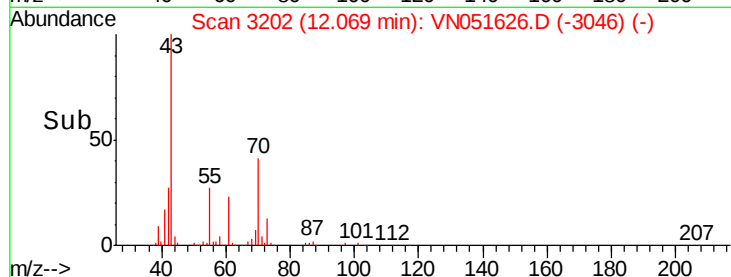
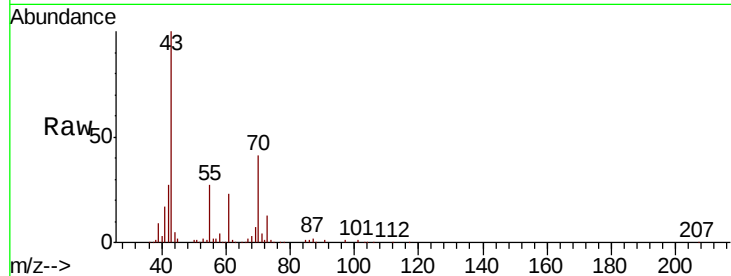
#47
n-amyl Acetate
Concen: 17.155 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 142584
Ion Ratio Lower Upper
43 100
55 27.4 21.5 32.3

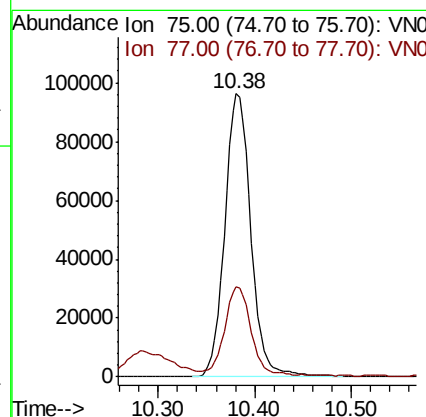
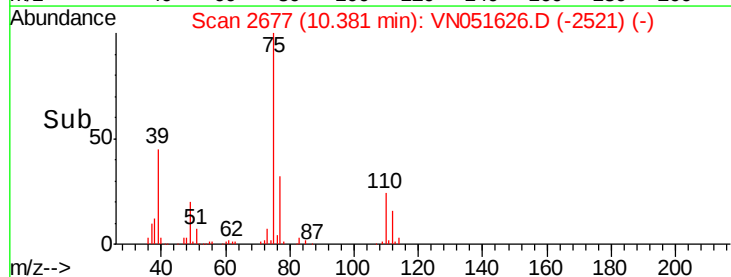
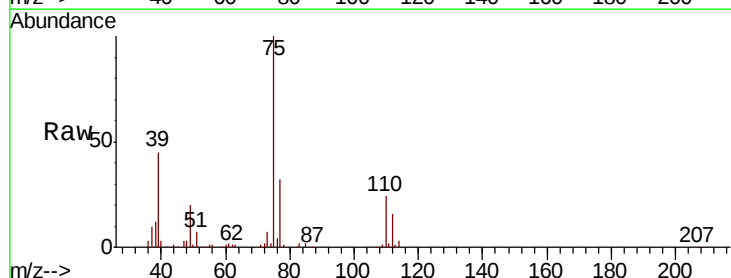
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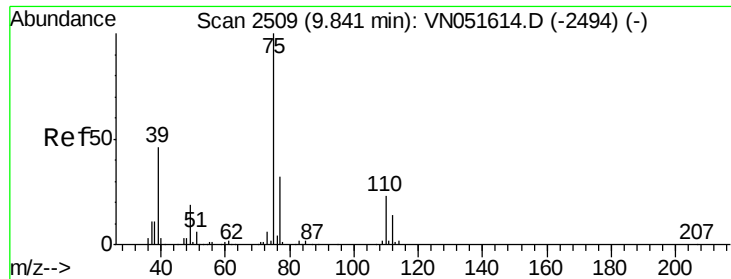
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#48
t-1,3-Dichloropropene
Concen: 18.571 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 75 Resp: 179931
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 19.772 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

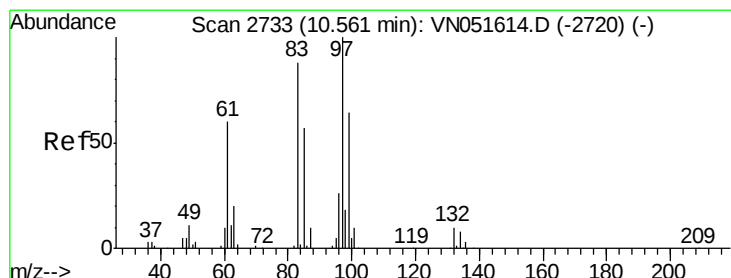
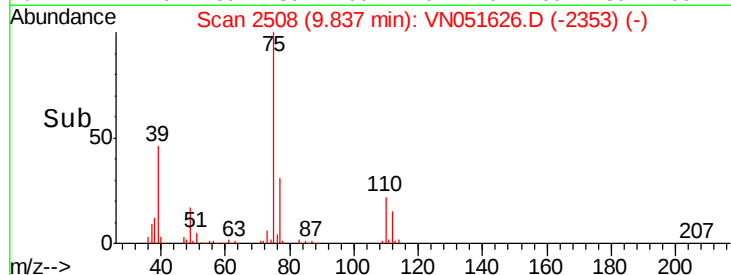
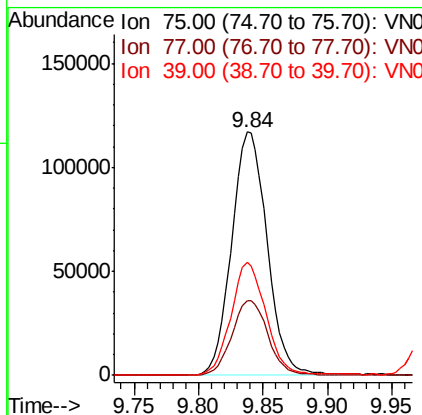
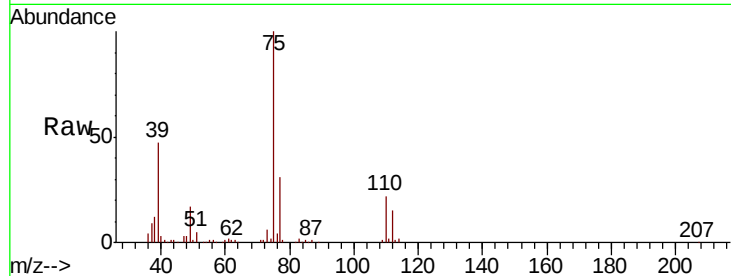
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	223970
Ion Ratio	Lower	Upper	
75	100		
77	30.7	25.4	38.0
39	46.5	36.6	55.0

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 20.141 ug/l

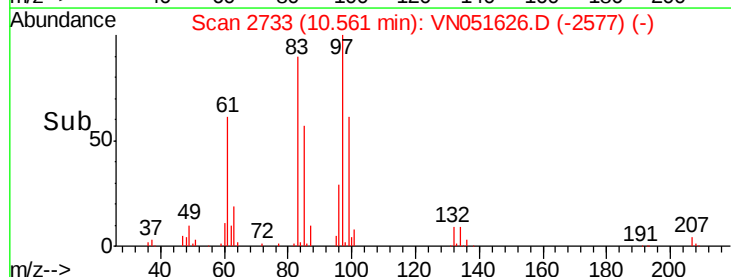
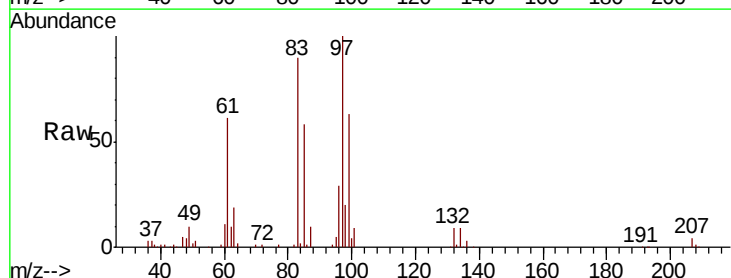
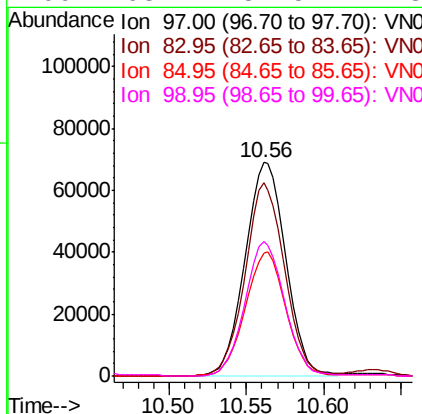
RT: 10.56 min Scan# 2733

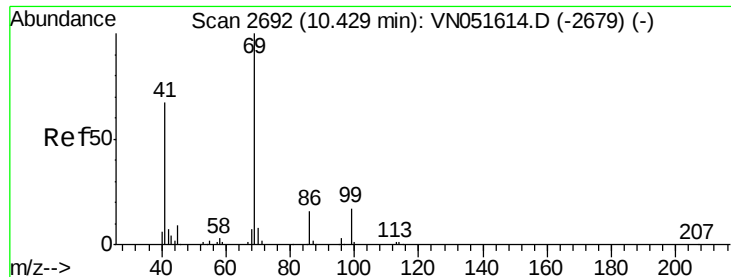
Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Tgt Ion:	97	Resp:	126578
Ion Ratio	Lower	Upper	
97	100		
83	90.4	70.2	105.2
85	57.7	45.6	68.4
99	63.1	51.5	77.3





#51

Ethyl methacrylate

Concen: 17.868 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

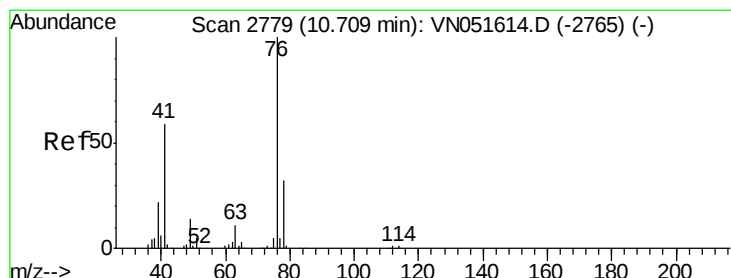
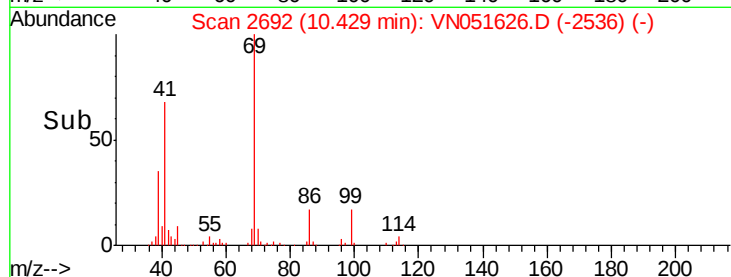
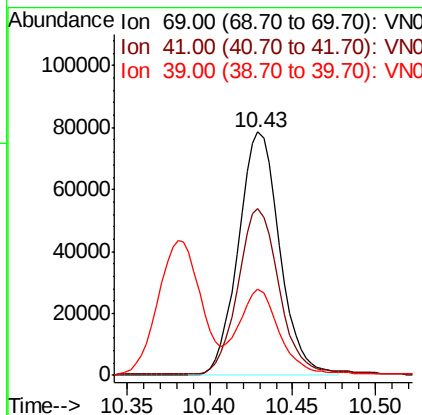
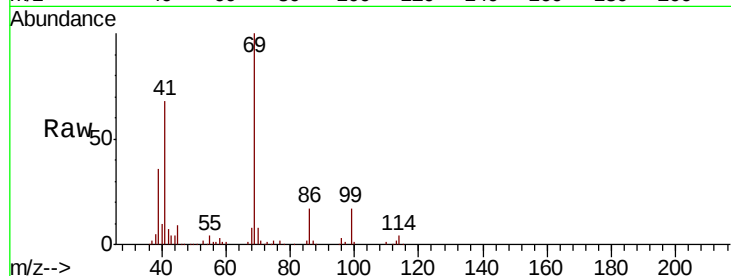
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	136243
Ion	Ratio	Lower	Upper
69	100		
41	67.6	33.3	99.8
39	34.4	17.2	51.6

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#52

1,3-Dichloropropane

Concen: 19.807 ug/l

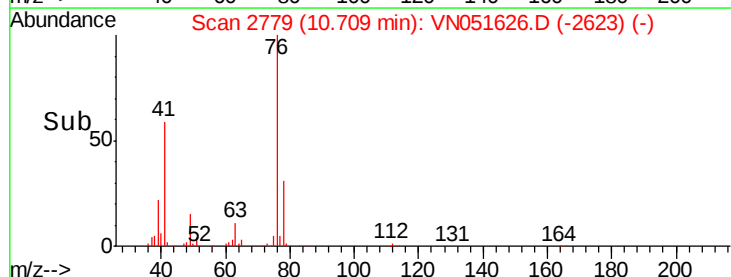
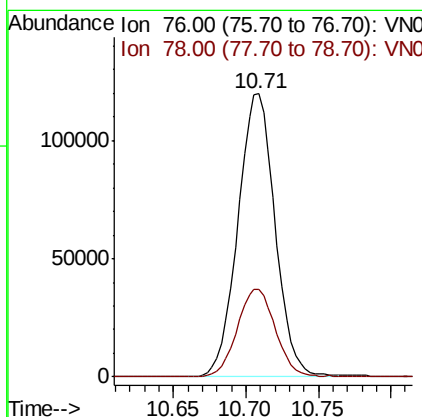
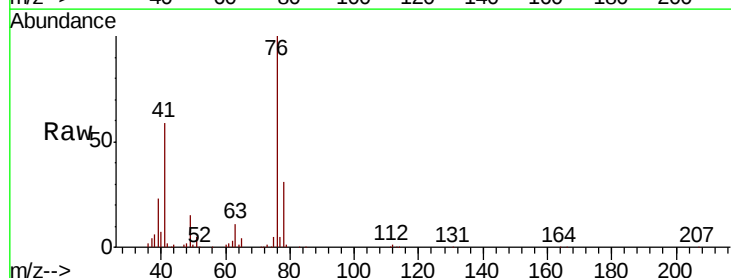
RT: 10.71 min Scan# 2779

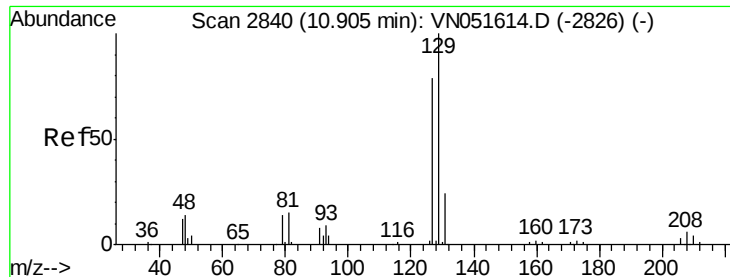
Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Tgt Ion:	76	Resp:	213437
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.4





#53

Dibromochloromethane

Concen: 19.642 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 140596

Ion Ratio Lower Upper

129 100

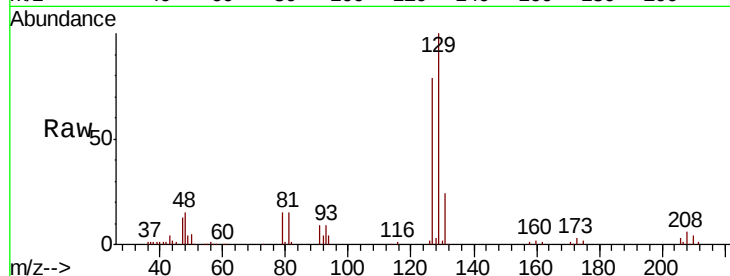
127 78.0 38.9 116.7

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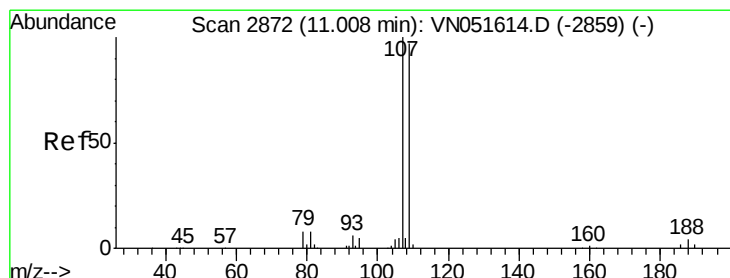
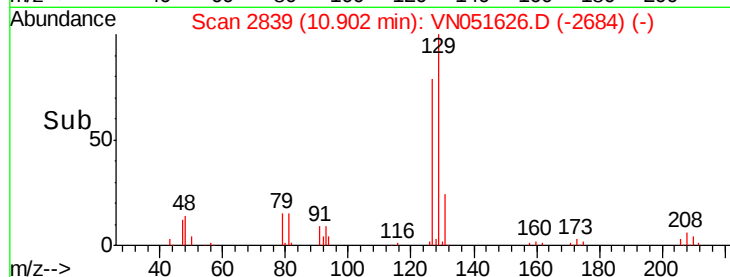
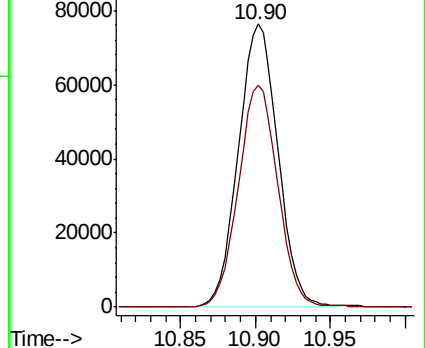
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.183 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051626.D

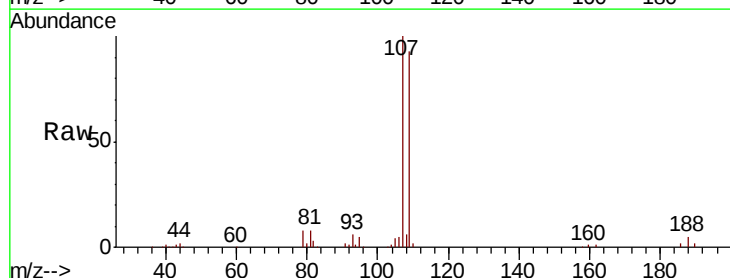
Acq: 1 Oct 2018 10:18

Tgt Ion:107 Resp: 115678

Ion Ratio Lower Upper

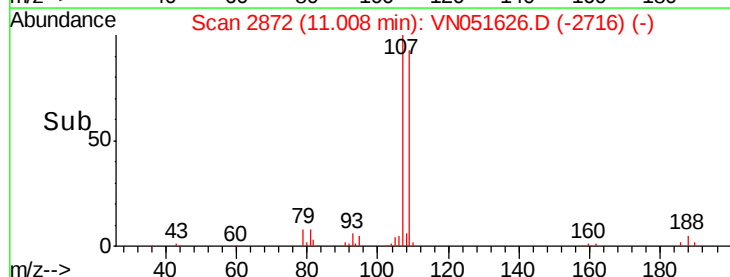
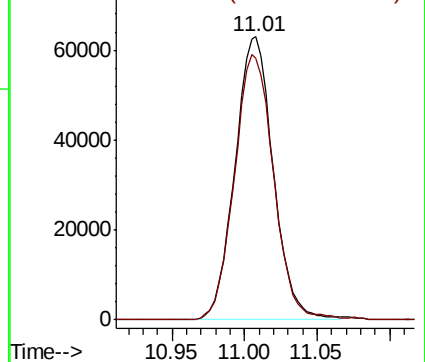
107 100

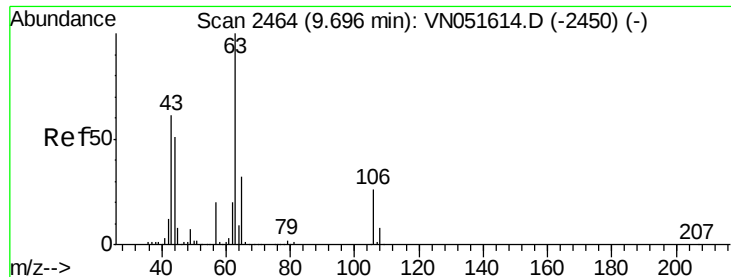
109 95.7 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





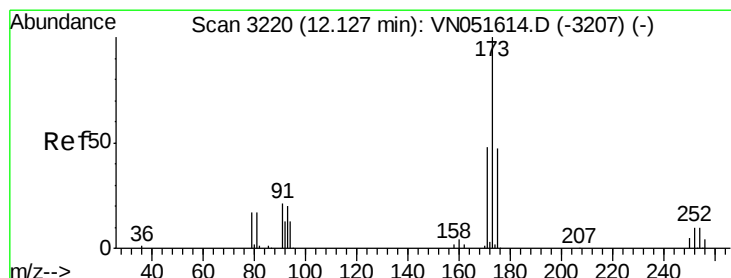
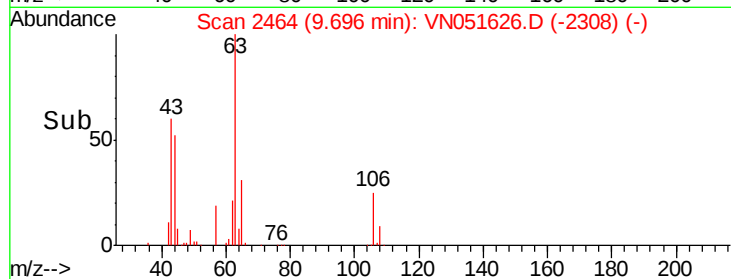
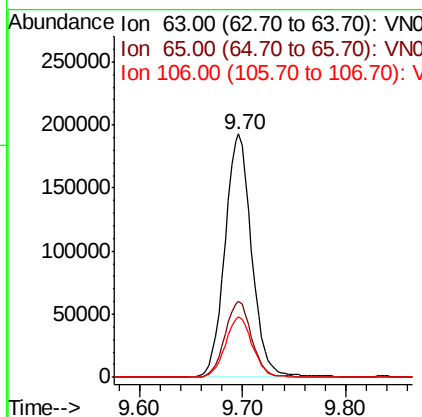
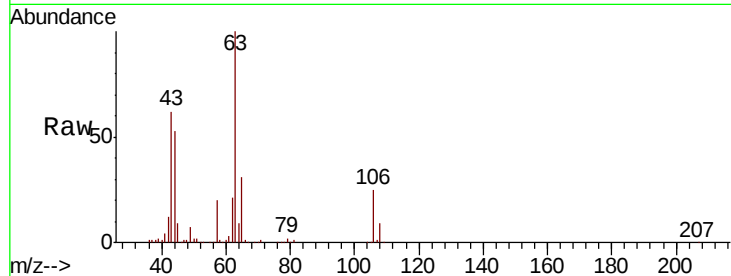
#55
2-Chloroethyl vinyl ether
Concen: 92.758 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.8	38.6
106	25.2	20.4	30.6

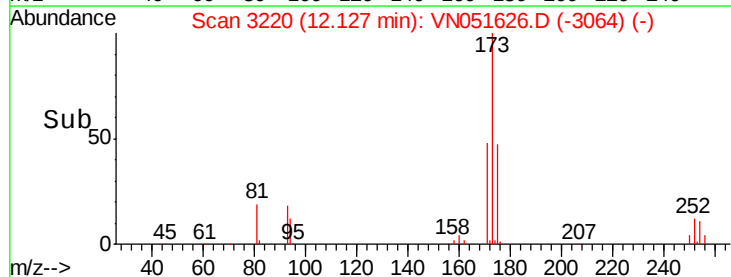
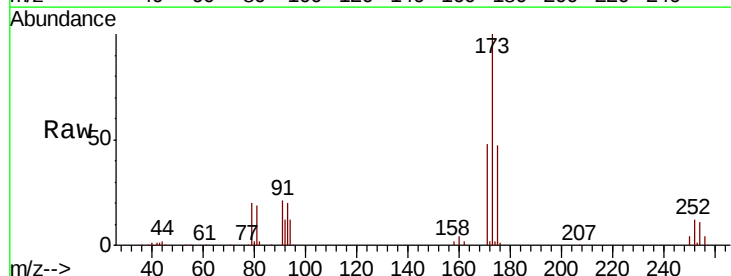
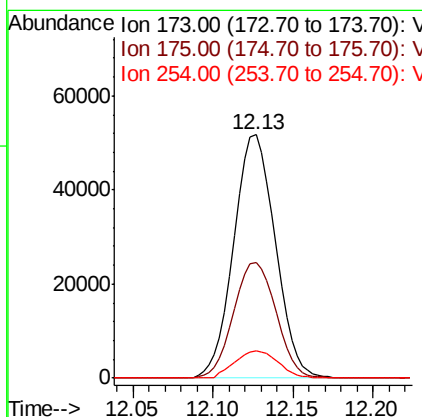
Manual Integrations
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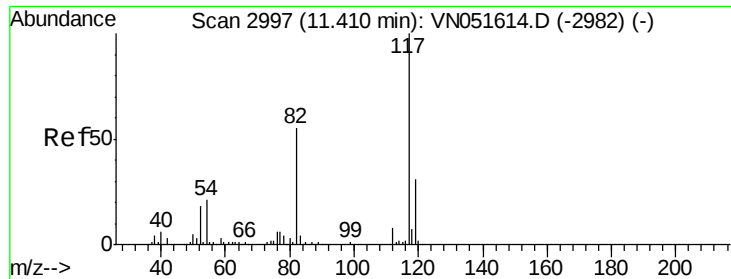
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#56
Bromoform
Concen: 19.357 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.0	58.4
254	11.6	8.7	13.1





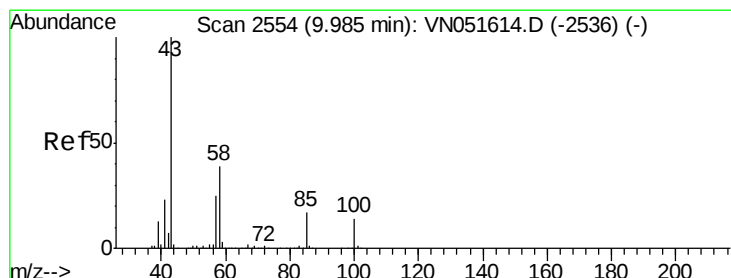
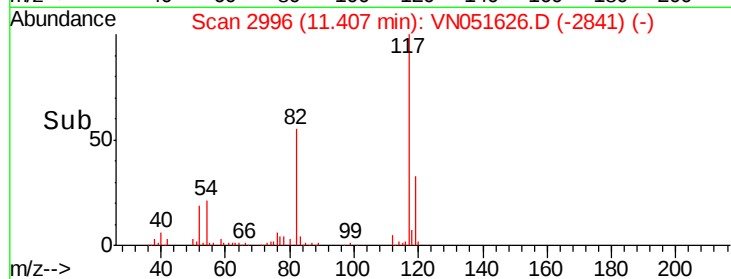
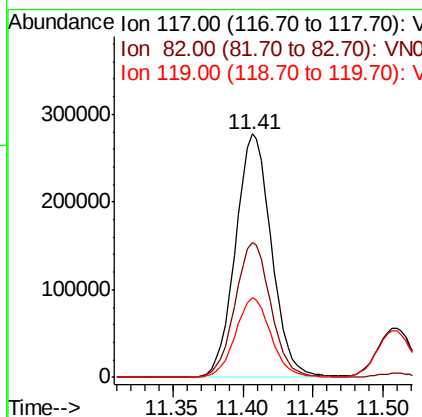
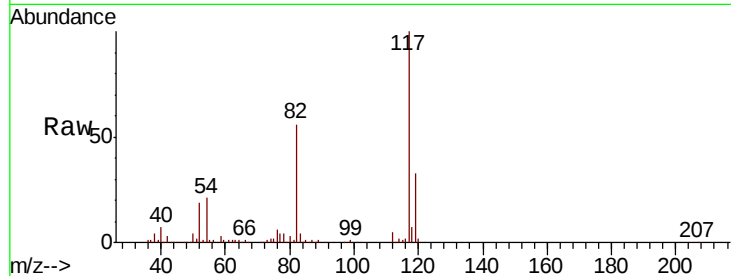
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	495900		
82	55.5	44.2	66.2	
119	32.3	25.2	37.8	

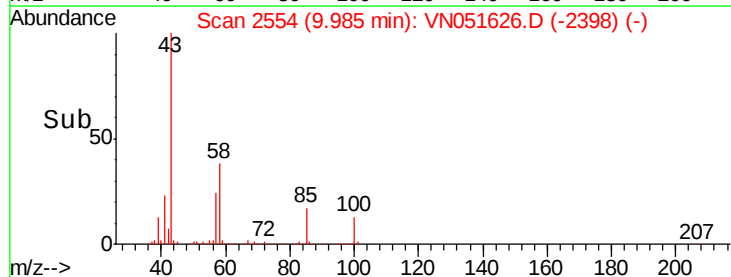
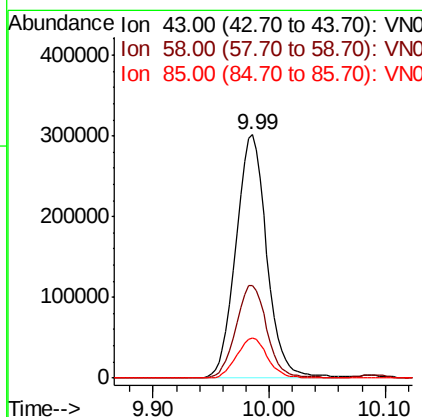
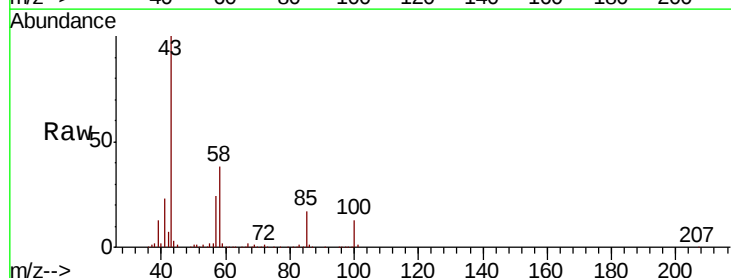
Manual Integrations
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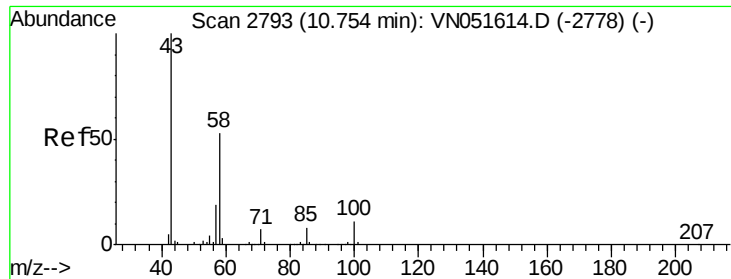
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#58
4-Methyl-2-Pentanone
Concen: 98.442 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	554254		
58	38.4	31.0	46.4	
85	16.6	13.4	20.2	





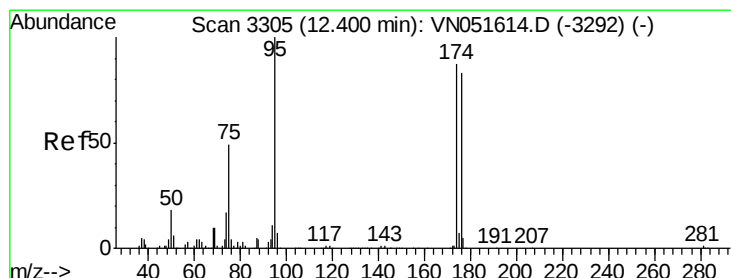
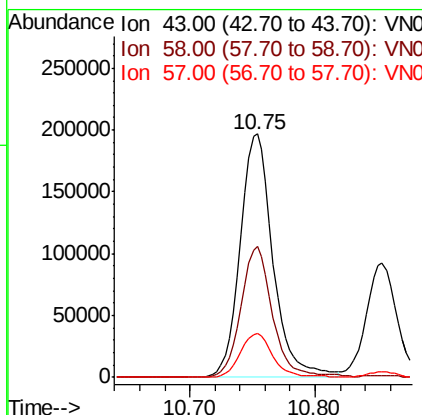
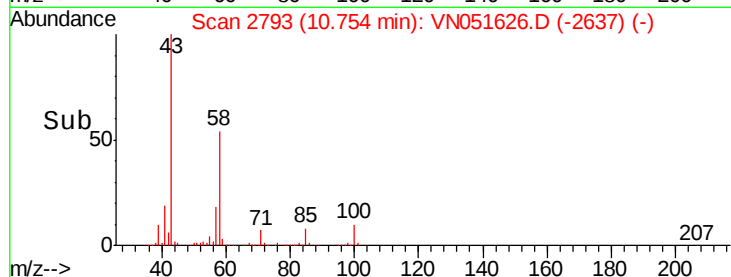
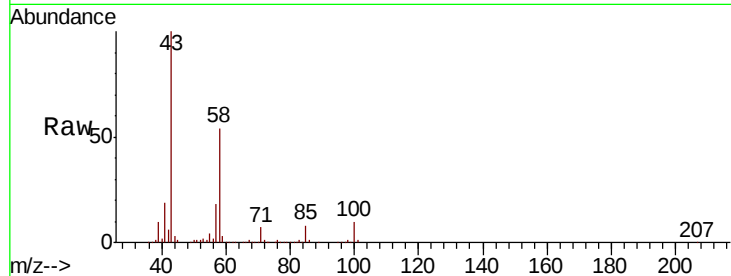
#59
2-Hexanone
Concen: 96.041 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	43	Resp	355734
Ion Ratio	Lower	Upper	
43	100		
58	52.1	41.5	62.3
57	17.7	14.2	21.4

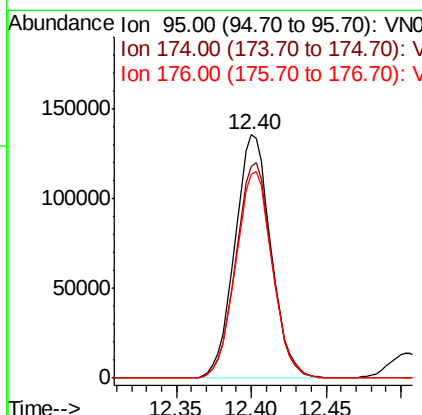
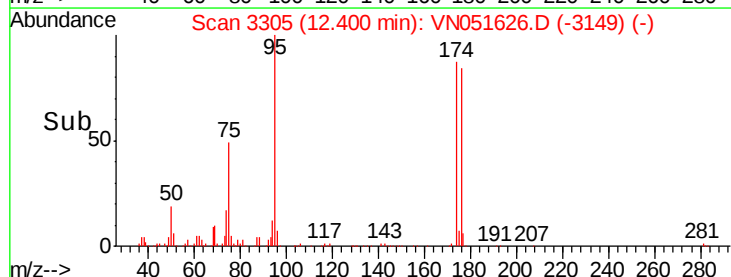
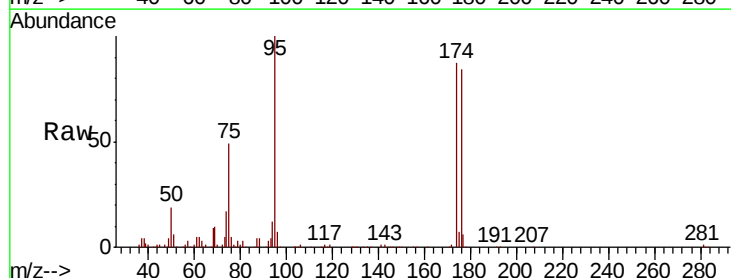
Manual Integrations
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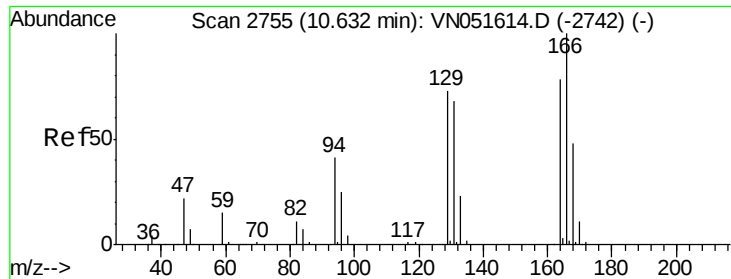
MMDadoda
10/2/2018 3:03:52 PM



#60
4-Bromofluorobenzene
Concen: 96.041 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	95	Resp	227074
Ion Ratio	Lower	Upper	
95	100		
174	89.6	71.2	106.8
176	86.4	67.8	101.8





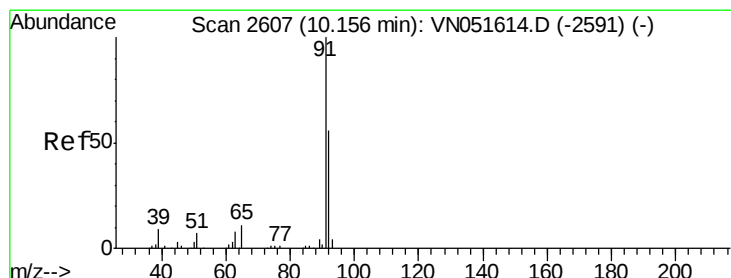
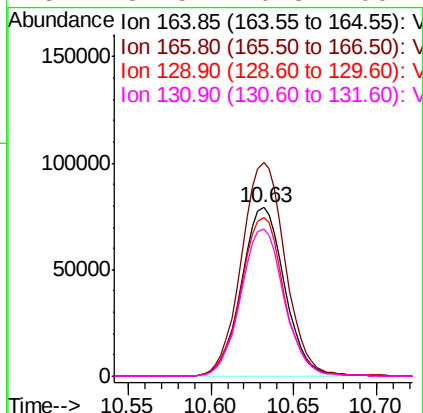
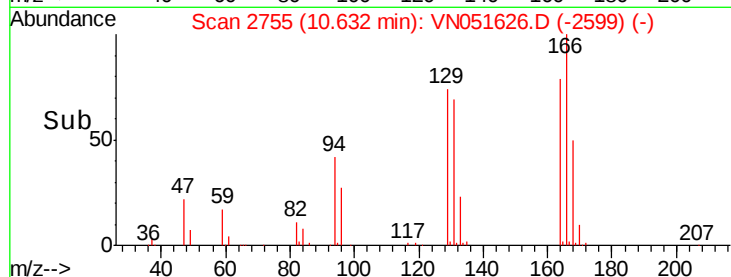
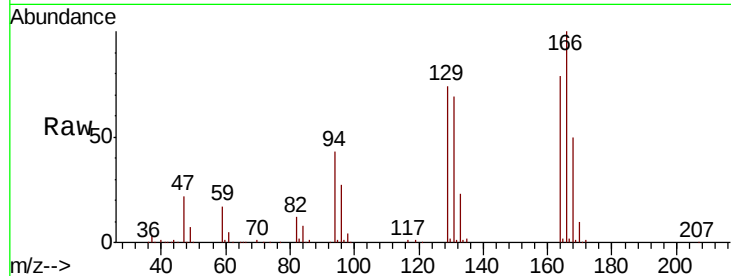
#61
Tetrachloroethene
Concen: 20.482 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.1	154.7
129	94.1	75.3	112.9
131	87.5	70.8	106.2

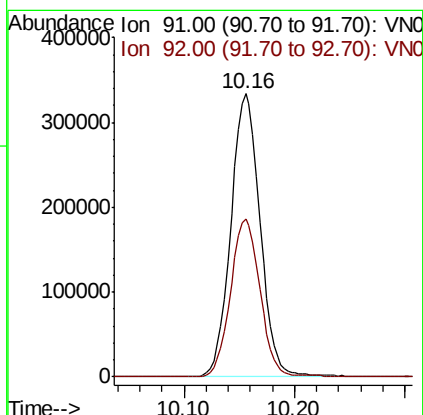
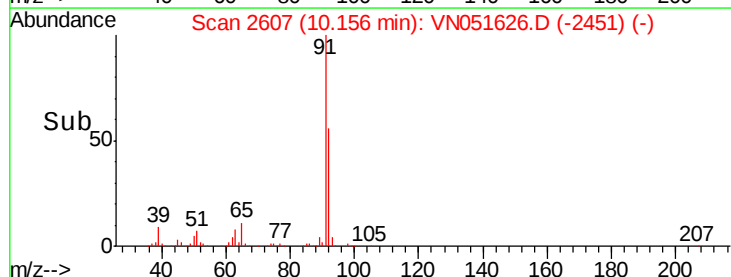
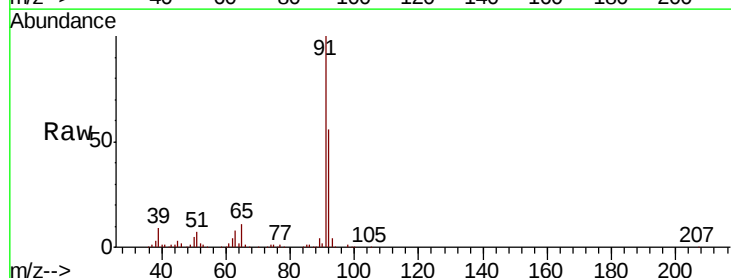
Manual Integrations
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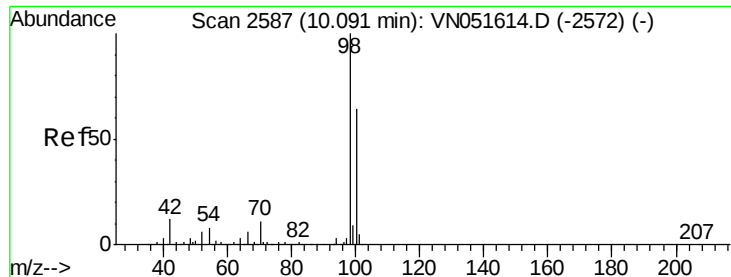
MMDadoda
10/2/2018 3:03:52 PM



#62
Toluene
Concen: 20.228 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.5	45.3	67.9





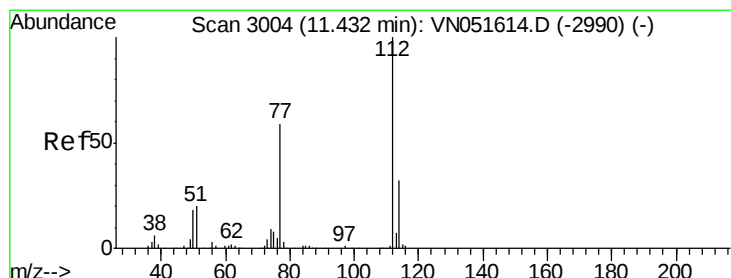
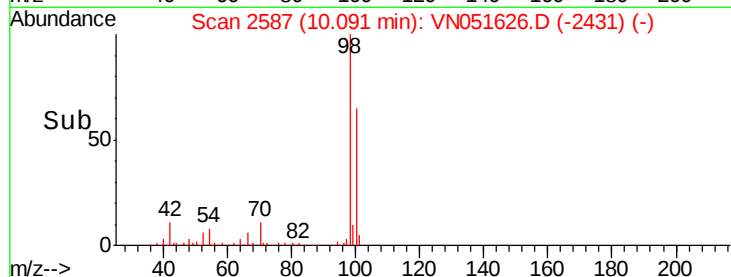
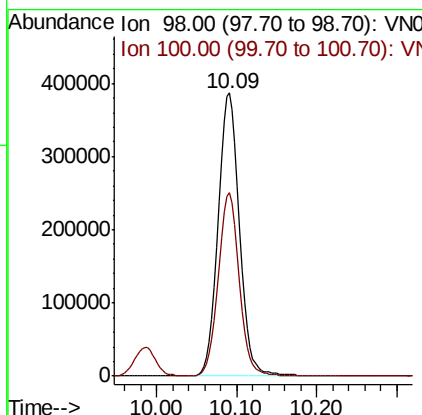
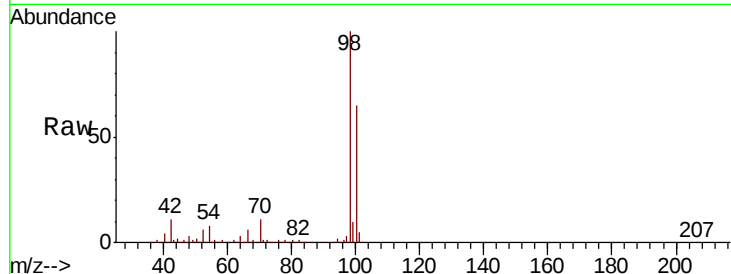
#63
Toluene-d8
Concen: 20.228 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 719846
Ion Ratio Lower Upper
98 100
100 62.9 51.4 77.0

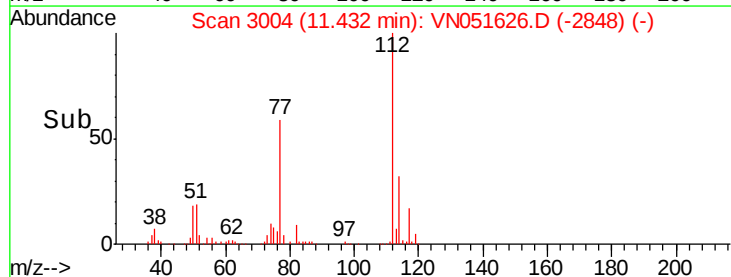
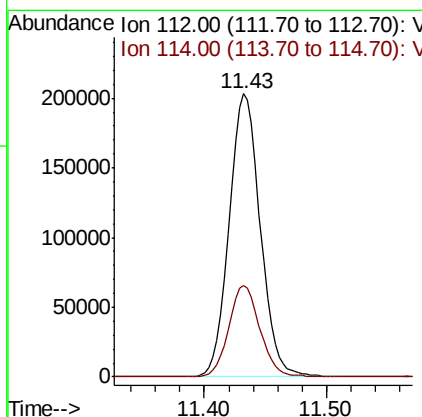
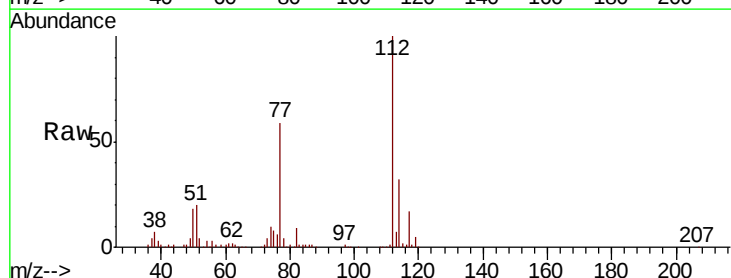
Manual Integrations
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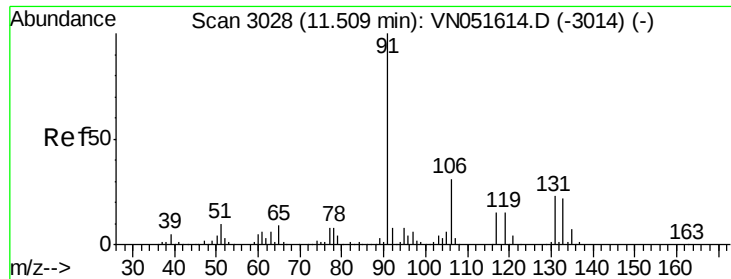
MMDadoda
10/2/2018 3:03:52 PM



#64
Chlorobenzene
Concen: 19.637 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 112 Resp: 361029
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.282 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

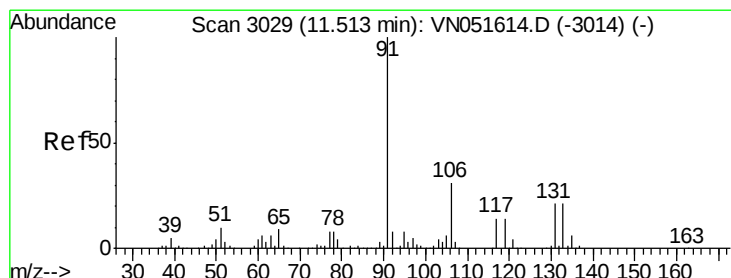
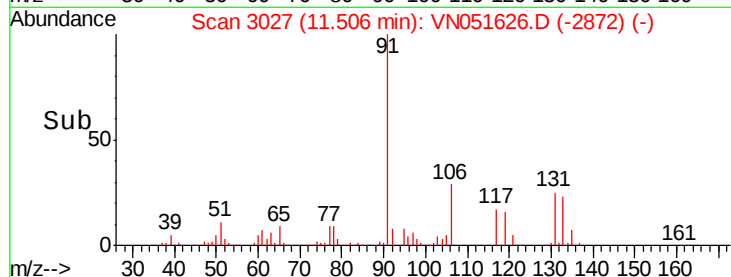
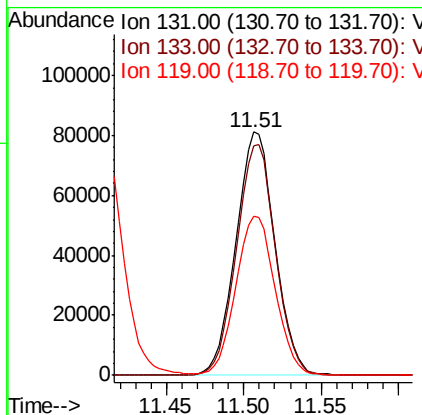
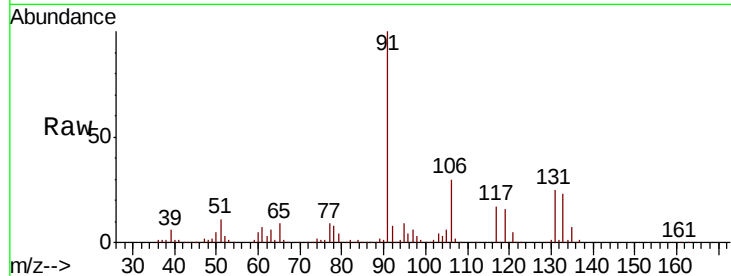
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	142385		
133	94.6	0.0	193.0	
119	65.9	0.0	135.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.219 ug/l

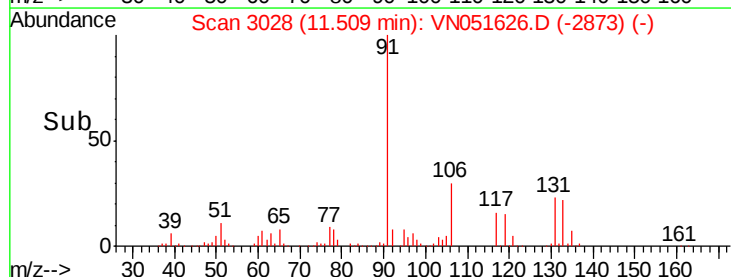
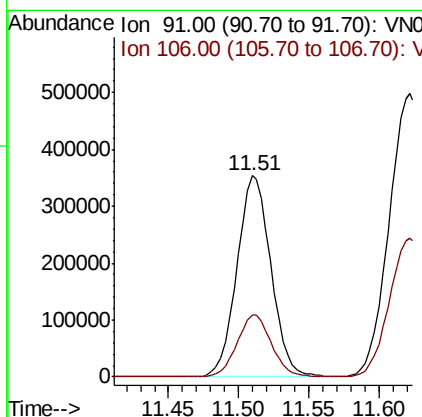
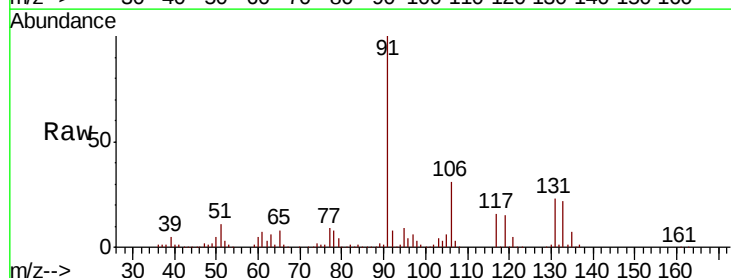
RT: 11.51 min Scan# 3028

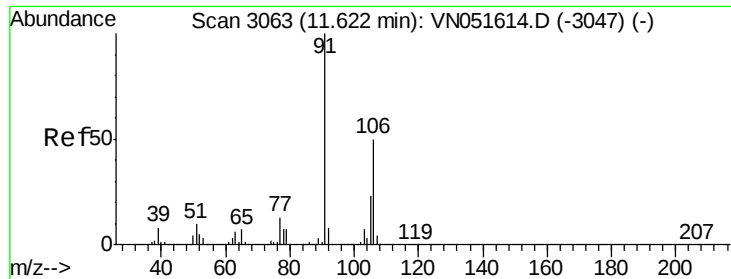
Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	598092		
106	31.0	25.0	37.4	





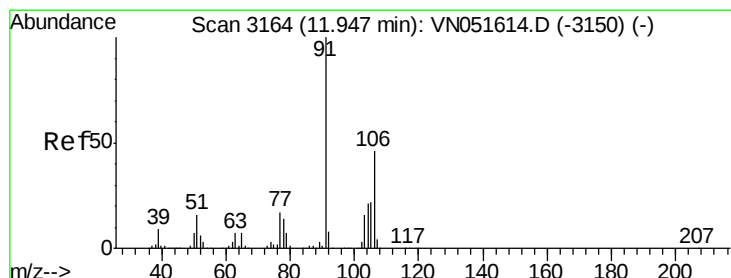
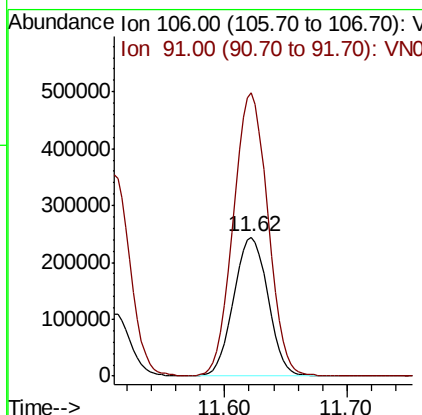
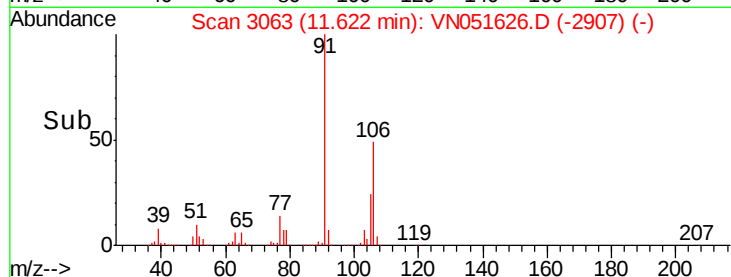
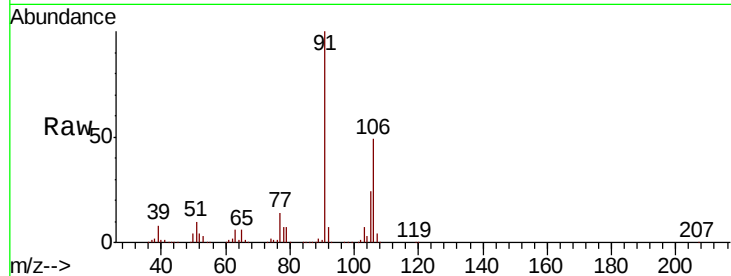
#67
m/p-Xylenes
Concen: 39.784 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:106 Resp: 477170
Ion Ratio Lower Upper
106 100
91 204.9 161.5 242.3

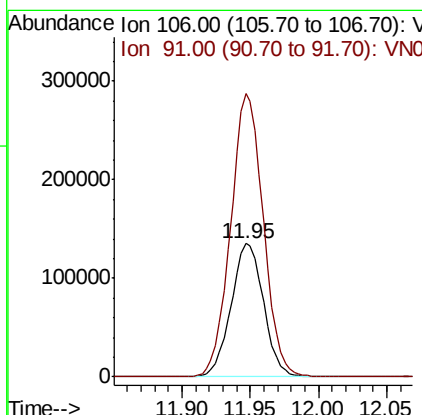
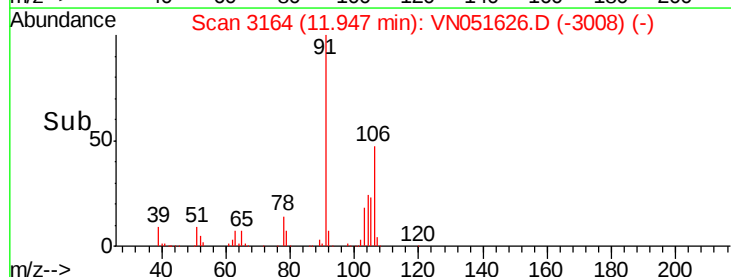
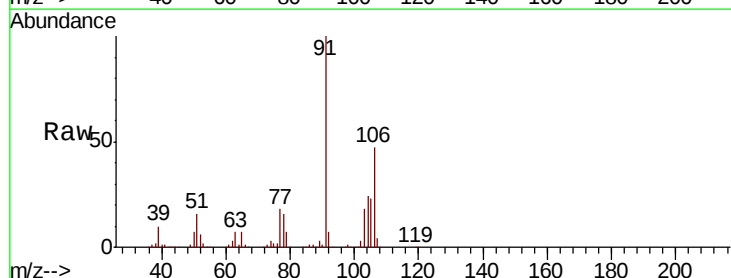
Manual Integrations
APPROVED

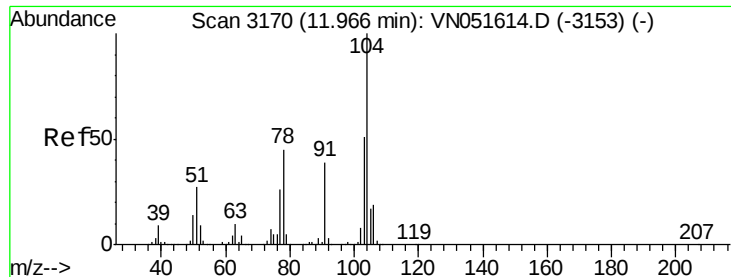
MMDadoda
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#68
o-Xylene
Concen: 19.500 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion:106 Resp: 223259
Ion Ratio Lower Upper
106 100
91 213.8 109.7 329.1





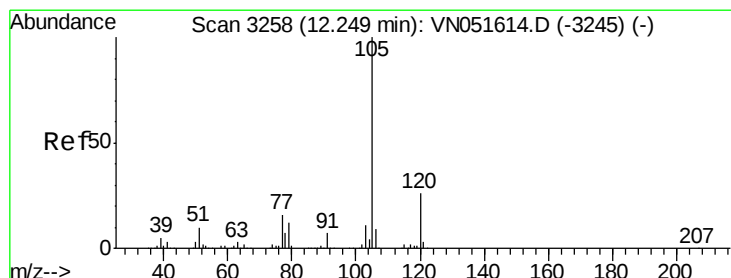
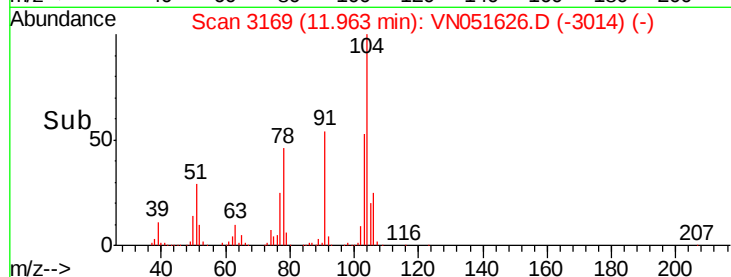
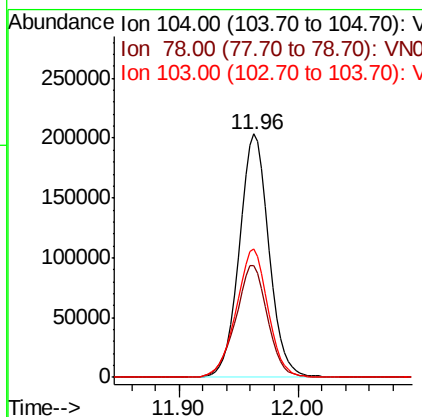
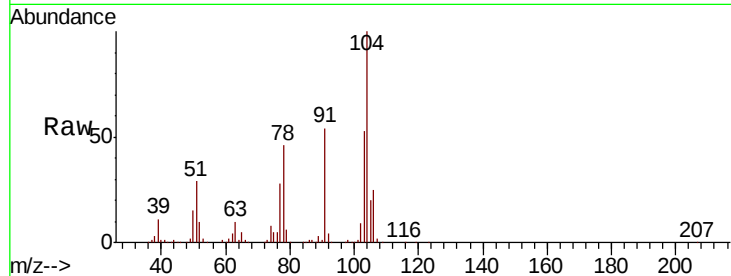
#69
Stvrene
Concen: 19.500 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.3	60.5
103	56.7	45.7	68.5

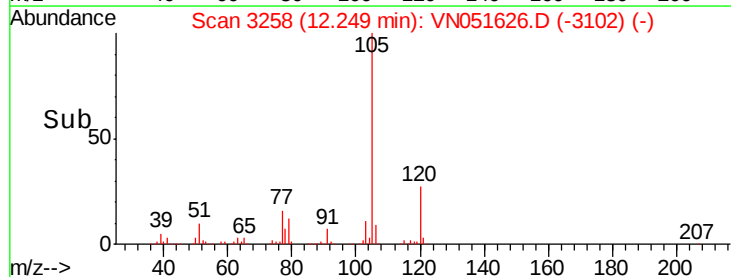
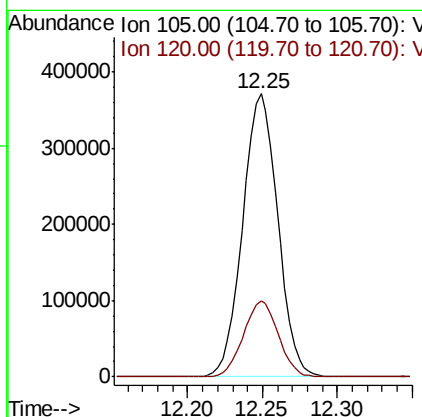
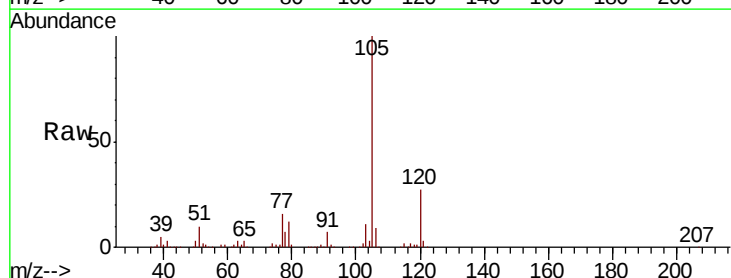
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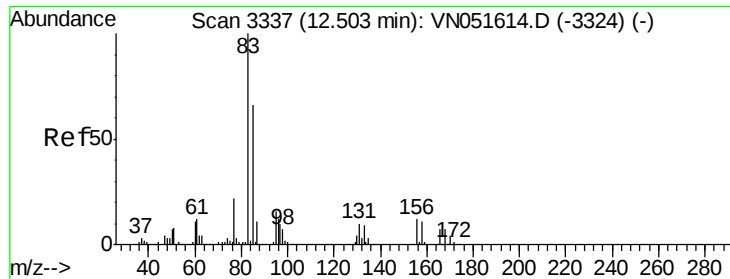
MMDadoda
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#70
Isopropylbenzene
Concen: 19.858 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.7	34.7





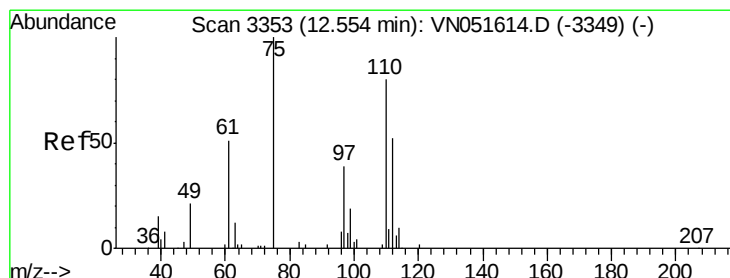
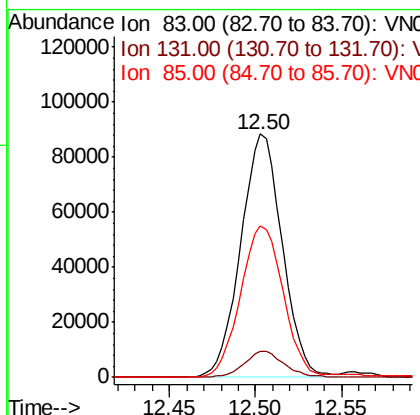
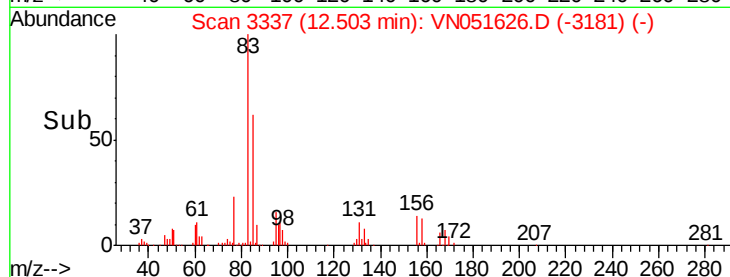
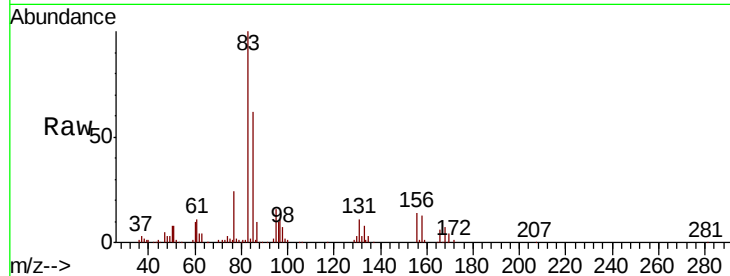
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.072 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	148315
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.6	32.0	96.2

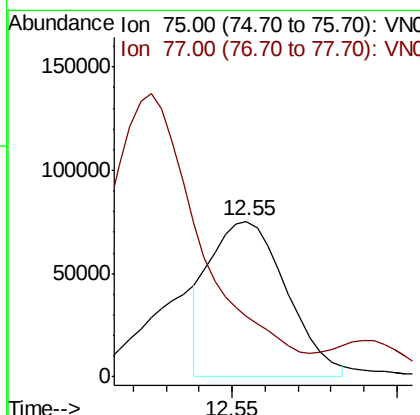
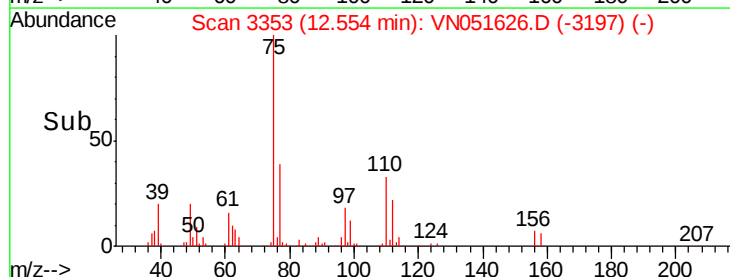
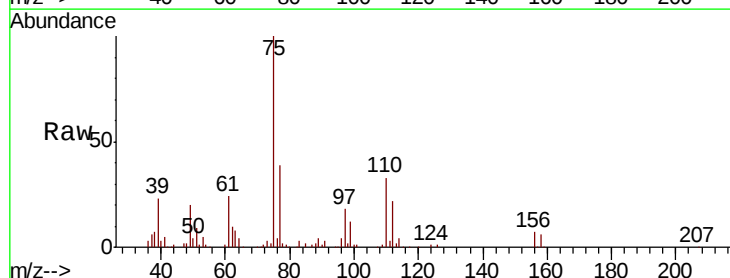
Manual Integrations
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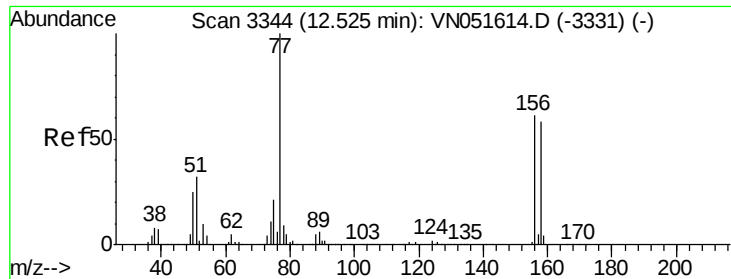
MMDadoda
 10/2/2018 3:03:52 PM



#72
 1,2,3-Trichloropropane
 Concen: 19.234 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	75	Resp	121508
Ion Ratio	Lower	Upper	
75	100		
77	227.2	0.0	492.2





#73

Bromobenzene

Concen: 19.374 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

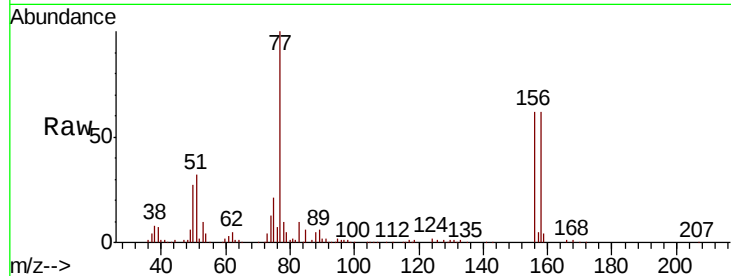
ClientSampleId :

VSTDCCC020

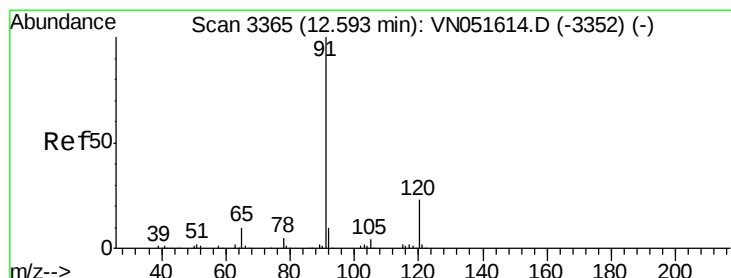
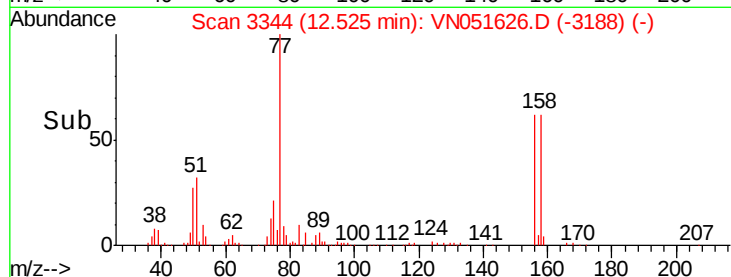
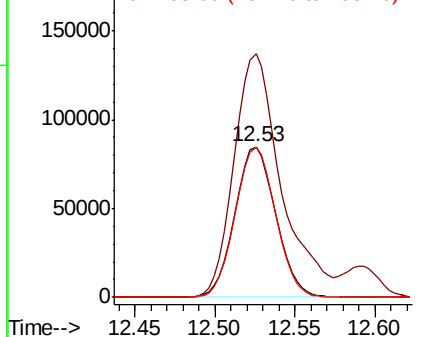
Tot Ion:	156	Resp:	147251
Ion Ratio	Lower	Upper	
156	100		
77	187.5	0.0	385.2
158	98.5	0.0	195.6

Manual Integrations
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10/2/2018 3:03:52 PM



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VNO
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.624 ug/l

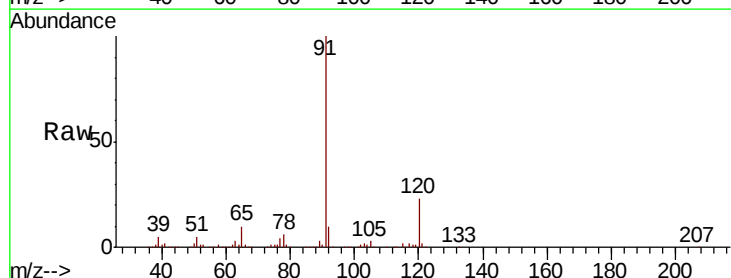
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

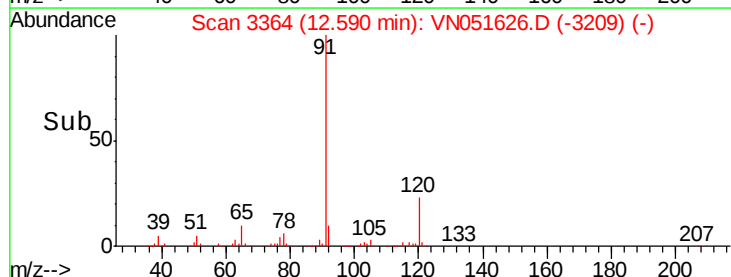
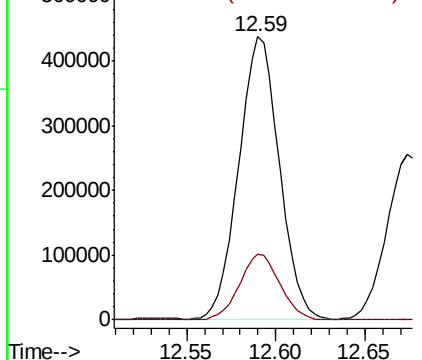
Lab File: VN051626.D

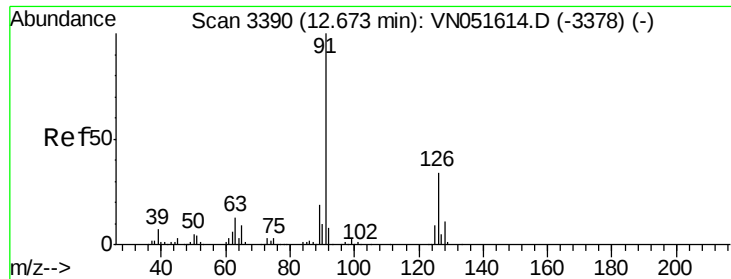
Acq: 1 Oct 2018 10:18

Tgt Ion:	91	Resp:	697724
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	45.4



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.040 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 425462

Ion Ratio Lower Upper

91 100

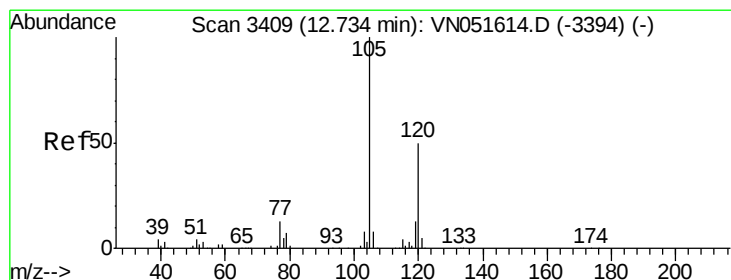
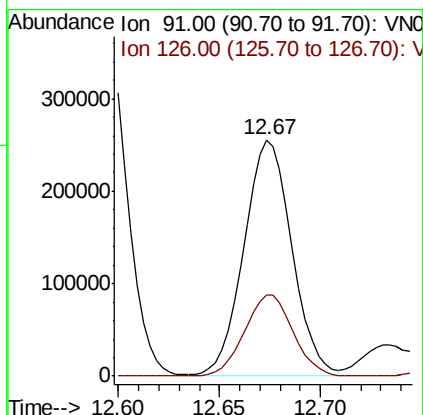
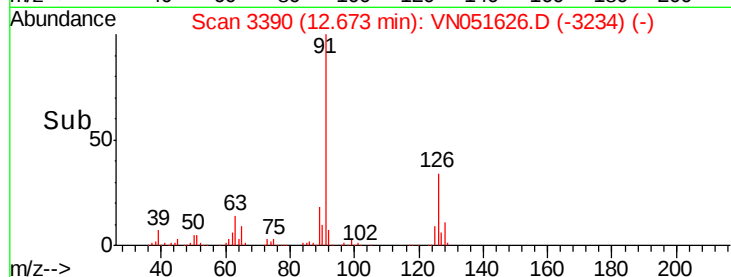
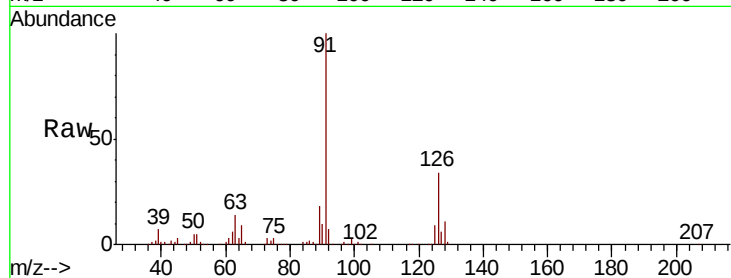
126 34.7 0.0 69.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.063 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051626.D

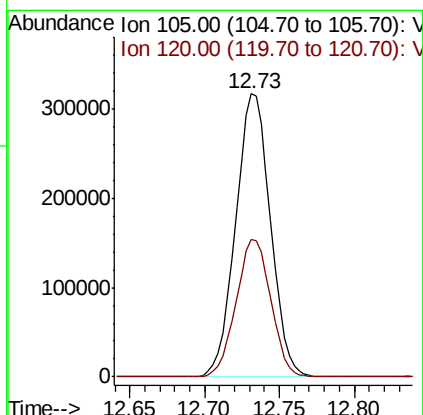
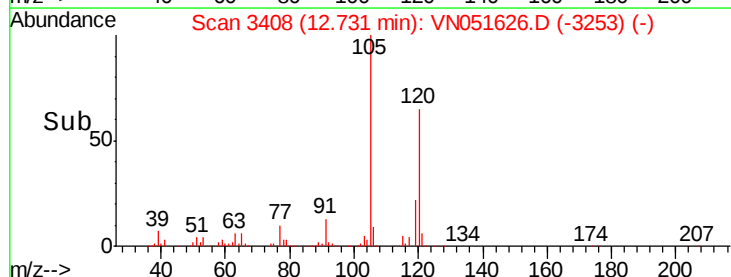
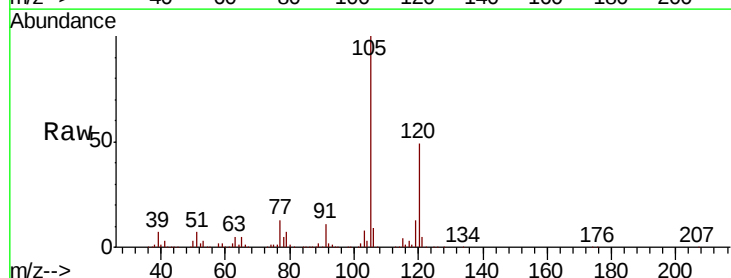
Acq: 1 Oct 2018 10:18

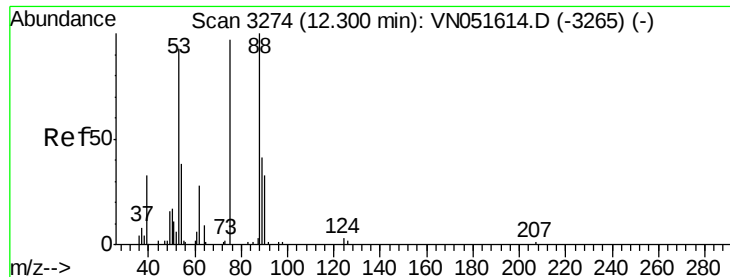
Tgt Ion: 105 Resp: 511991

Ion Ratio Lower Upper

105 100

120 48.7 0.0 99.8





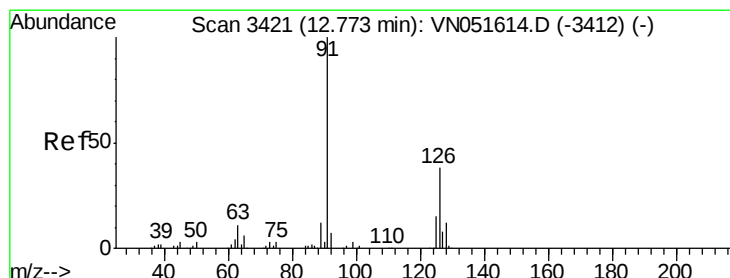
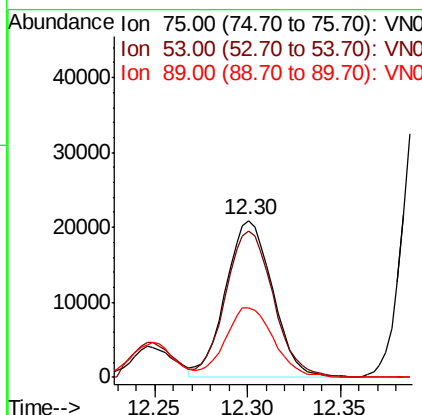
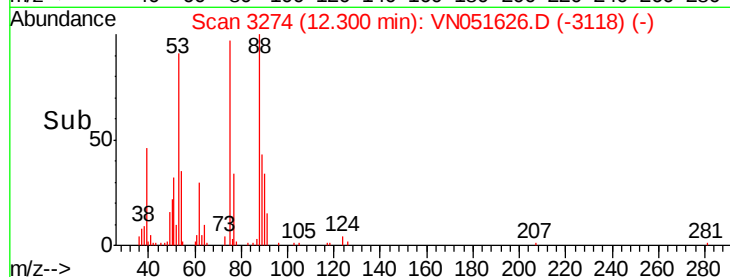
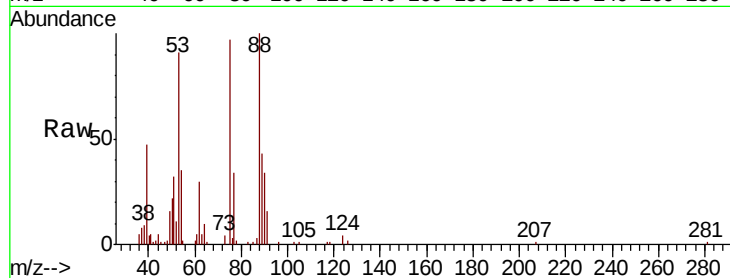
#77
t-1,4-Dichloro-2-butene
Concen: 18.420 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	48.1	144.4
89	44.5	22.4	67.3

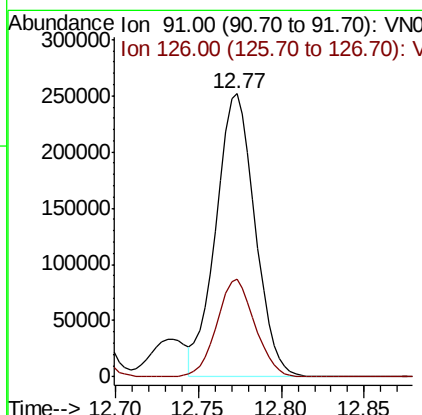
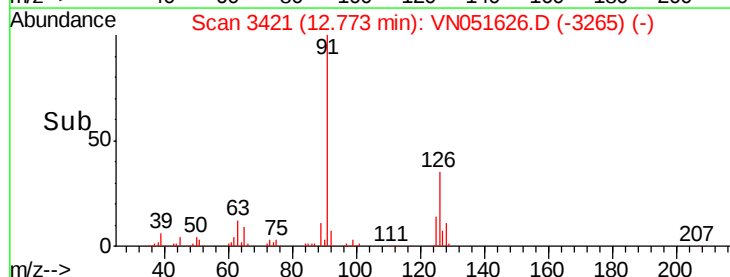
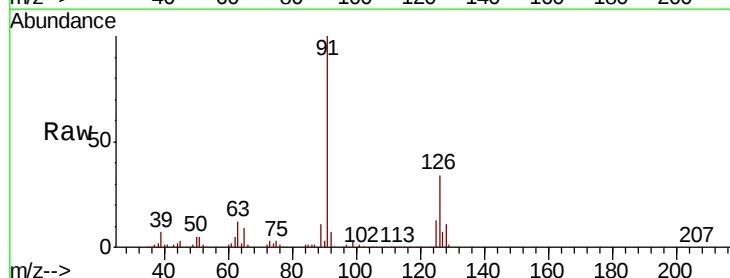
Manual Integrations
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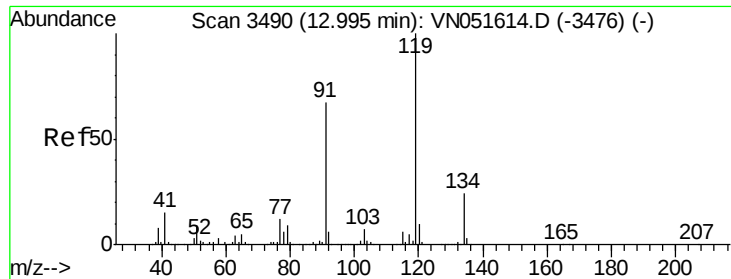
MMDadoda
10/2/2018 3:03:52 PM



#78
4-Chlorotoluene
Concen: 19.649 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	0.0	68.6





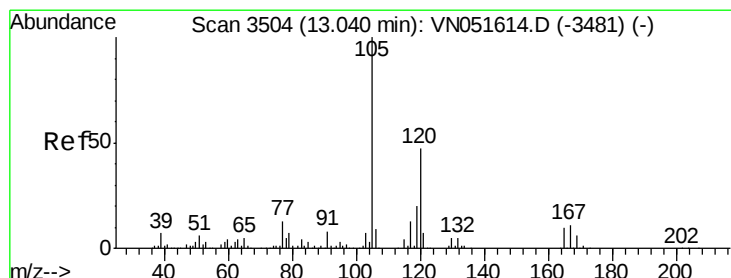
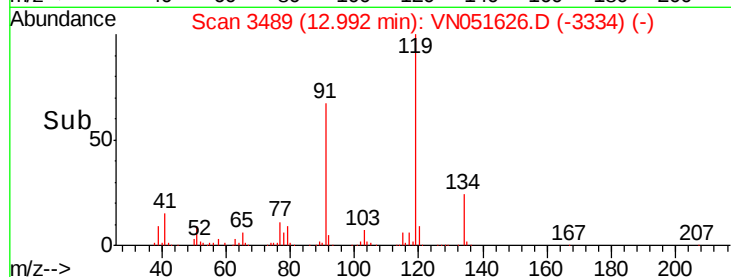
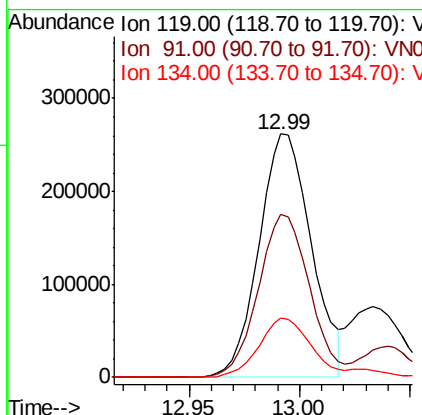
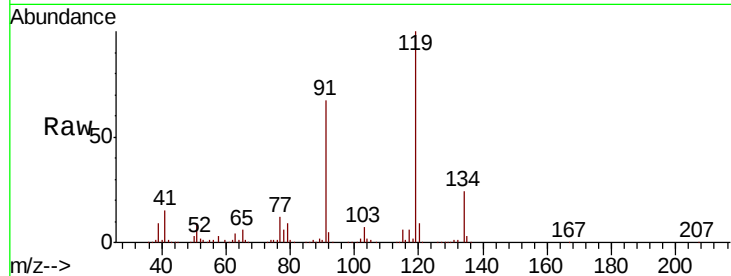
#79
tert-butylbenzene
Concen: 19.513 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	431409		
91	65.6	0.0	132.4	
134	24.1	0.0	48.4	

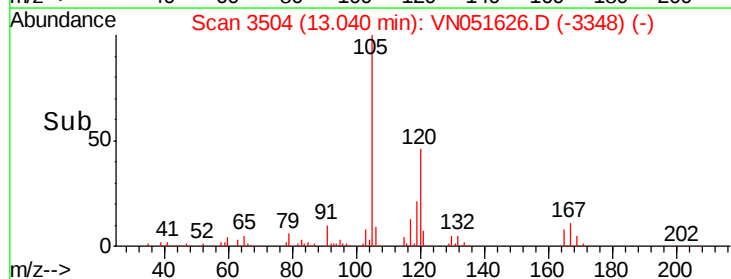
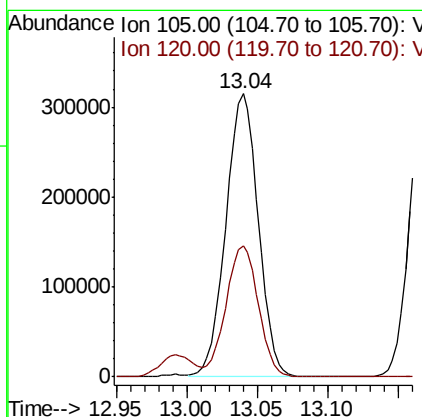
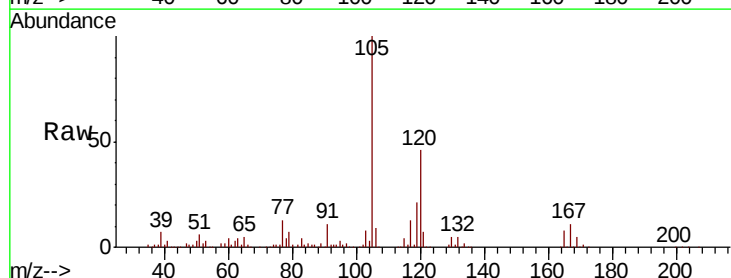
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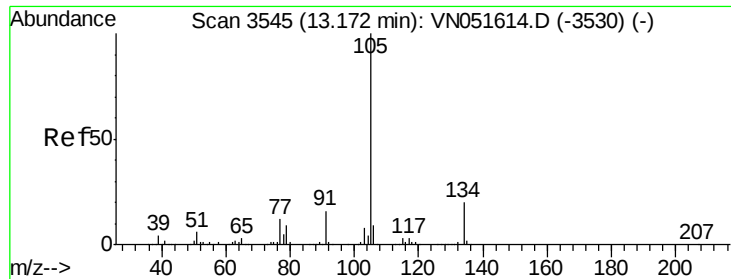
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.844 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	505801		
120	46.4	0.0	91.6	





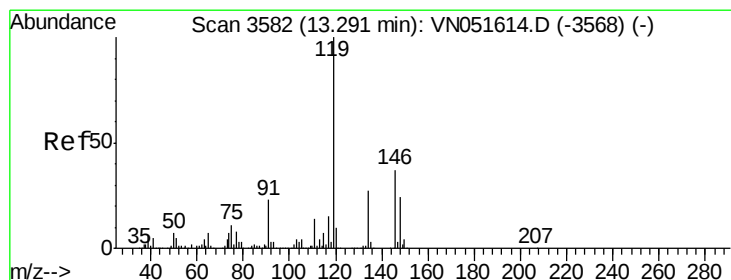
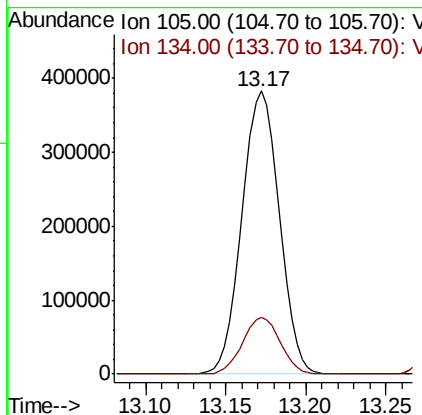
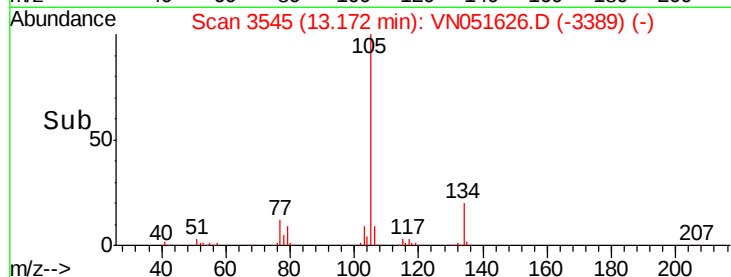
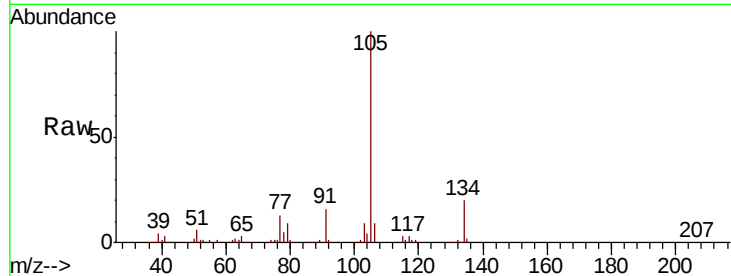
#81
 sec-Butylbenzene
 Concen: 20.007 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	39.8

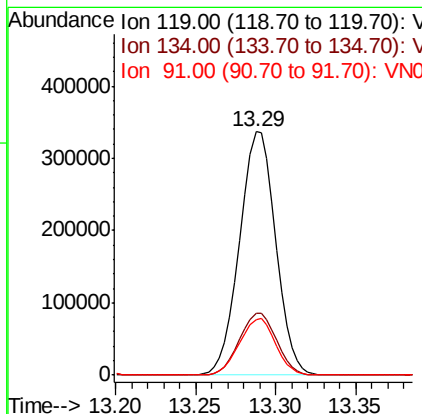
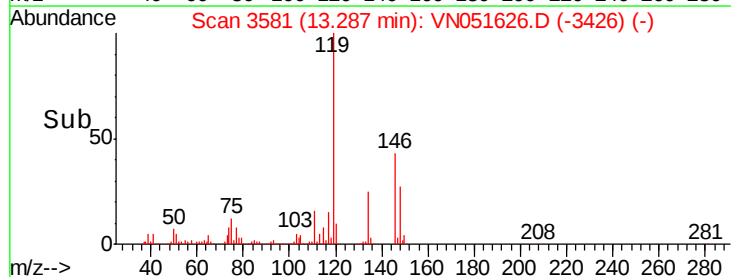
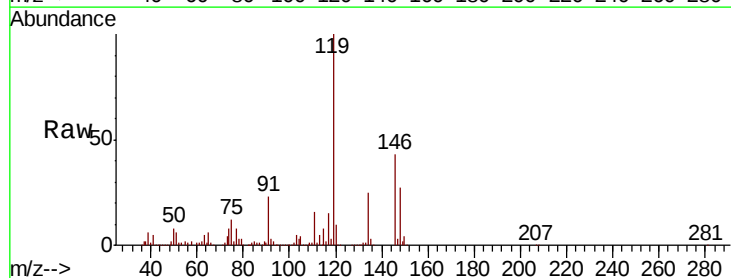
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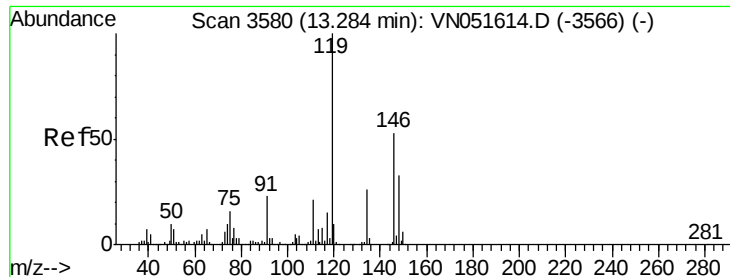
MMDadoda
 10/2/2018 3:03:52 PM



#82
 p-Isopropyltoluene
 Concen: 19.830 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	52.0
91	23.2	0.0	46.0





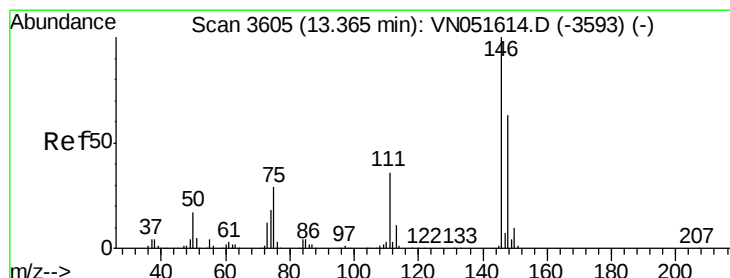
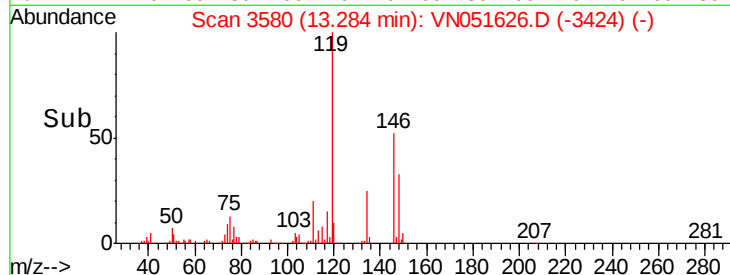
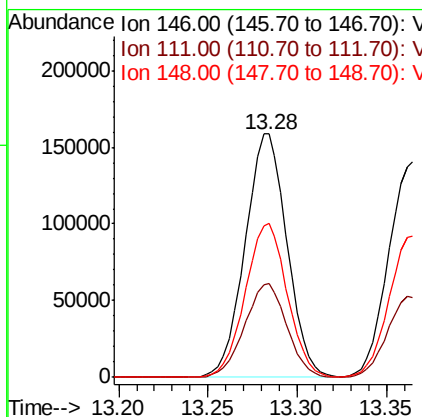
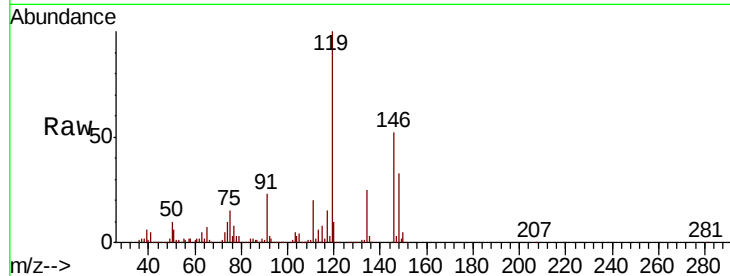
#83
 1,3-Dichlorobenzene
 Concen: 19.724 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	63.2	32.4	97.2

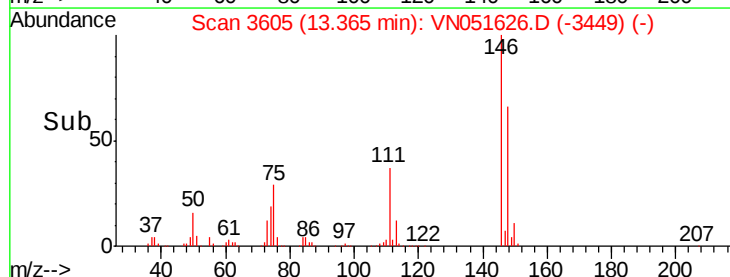
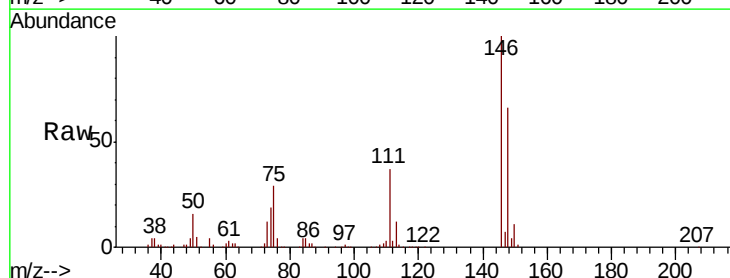
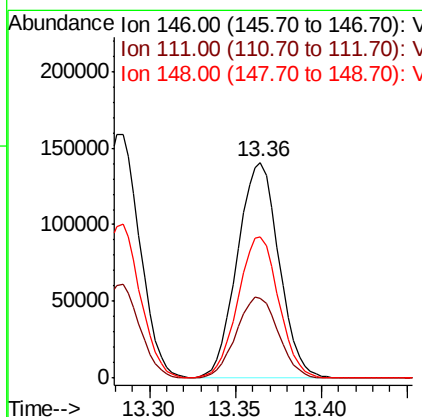
Manual Integrations
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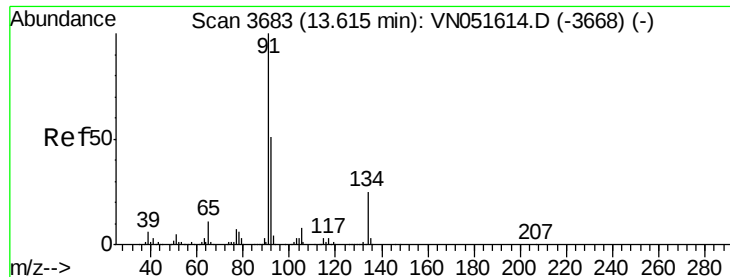
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 10/2/2018 3:03:52 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.874 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.8
148	64.7	32.1	96.5





#85

n-Butylbenzene

Concen: 19.075 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

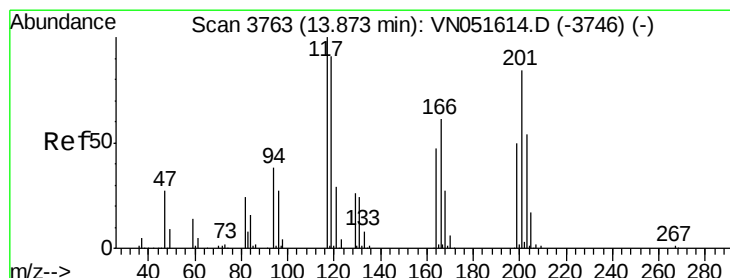
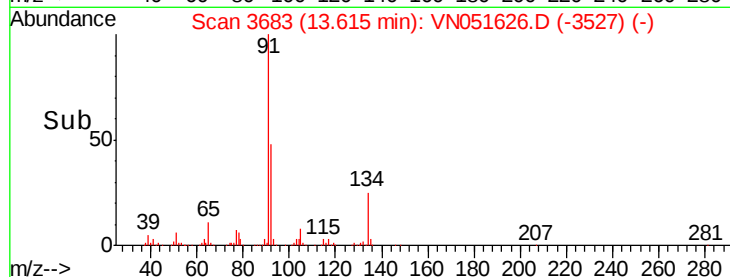
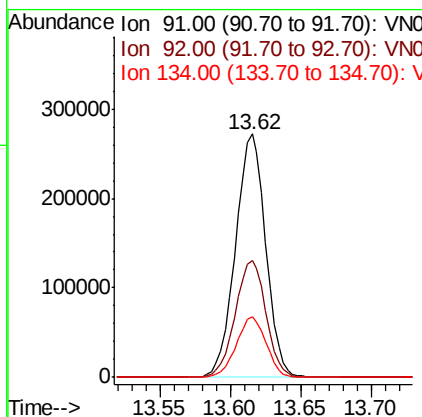
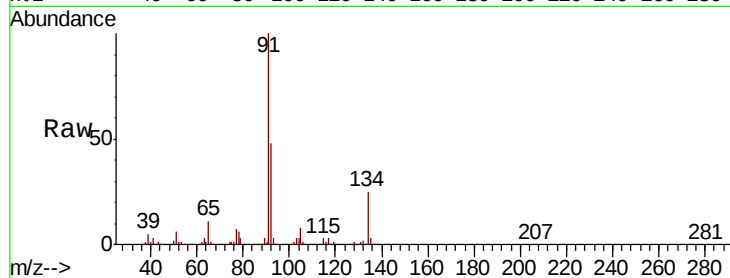
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	408677
Ion Ratio	Lower	Upper	
91	100		
92	48.9	0.0	101.6
134	24.5	0.0	50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 20.099 ug/l

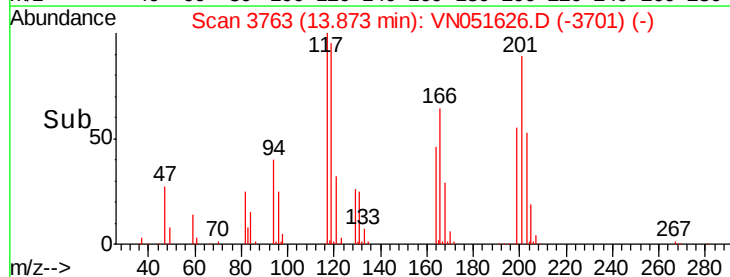
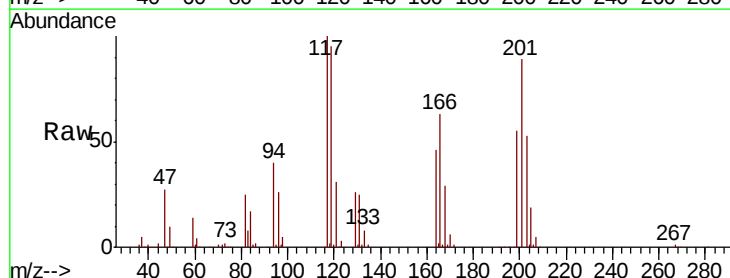
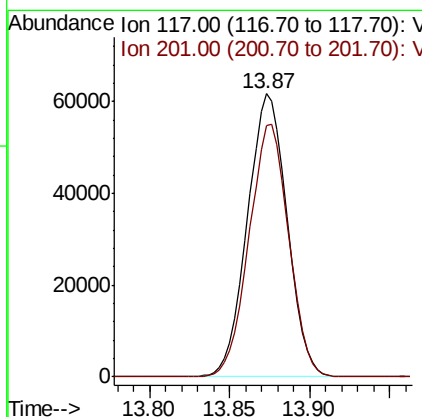
RT: 13.87 min Scan# 3763

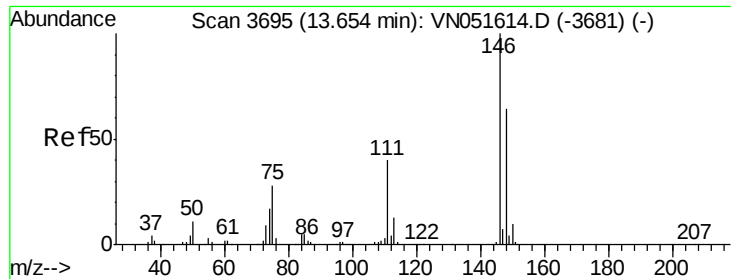
Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Tgt Ion:	117	Resp:	104933
Ion Ratio	Lower	Upper	
117	100		
201	88.9	42.9	128.5





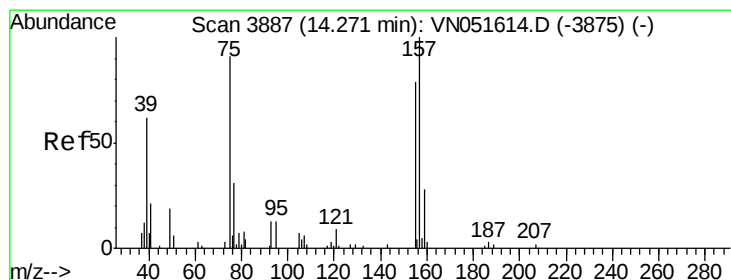
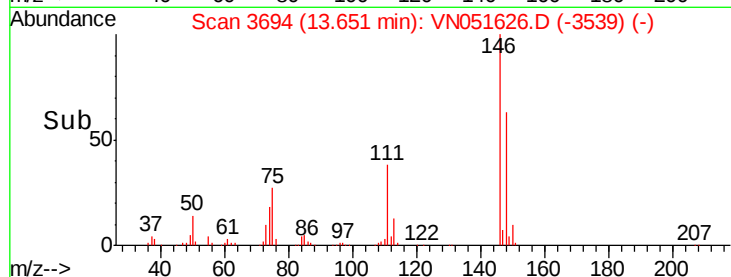
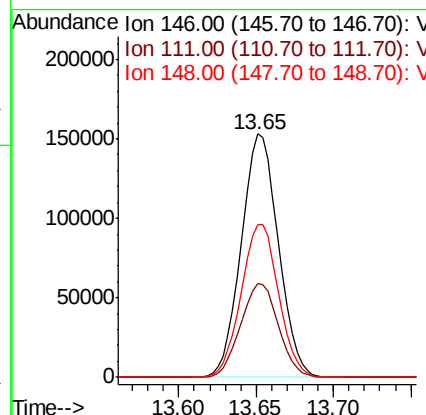
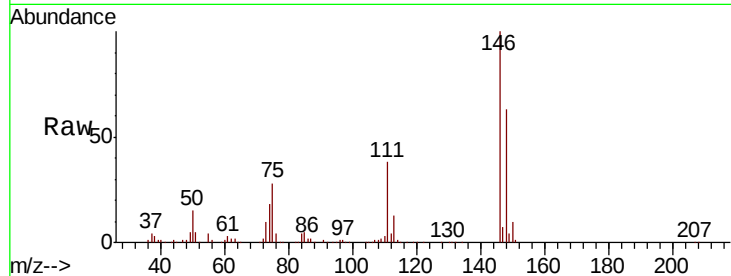
#87
 1,2-Dichlorobenzene
 Concen: 19.737 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	255698		
111	39.2	20.1	60.3	
148	63.4	32.1	96.5	

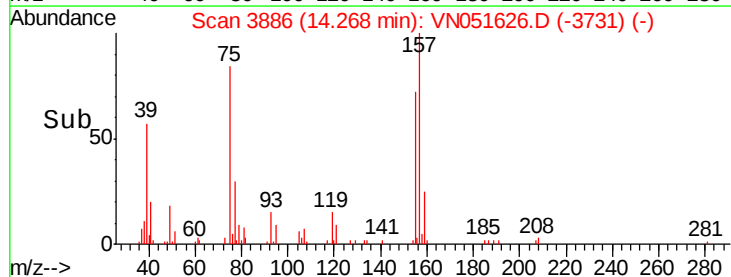
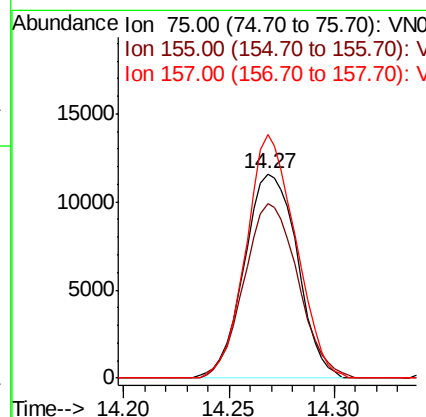
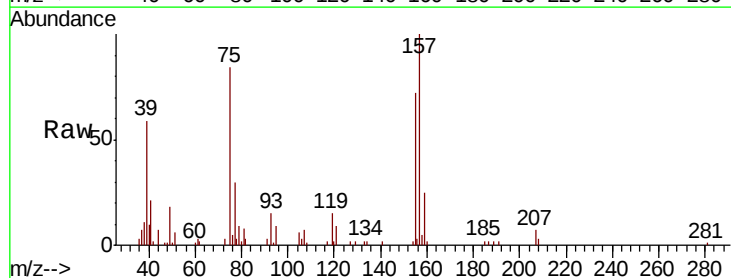
Manual Integrations
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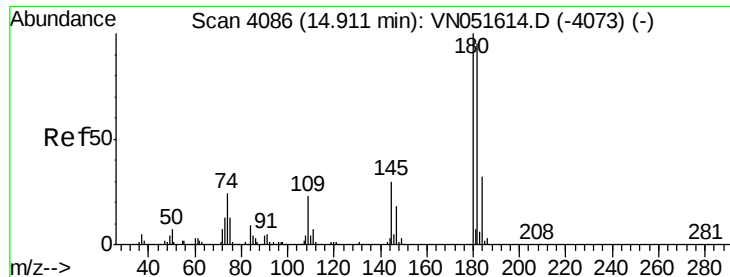
MMDadoda
 10/2/2018 3:03:52 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.806 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20253		
155	86.9	67.1	100.7	
157	111.3	85.8	128.6	





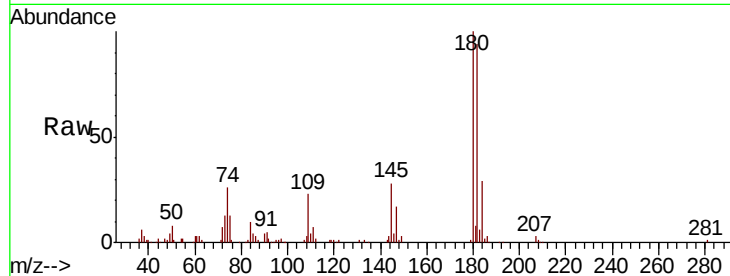
#89
 1,2,4-Trichlorobenzene
 Concen: 16.225 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.2	112.8
145	27.6	22.9	34.3

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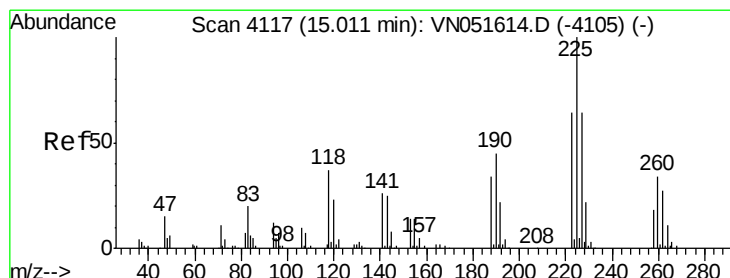
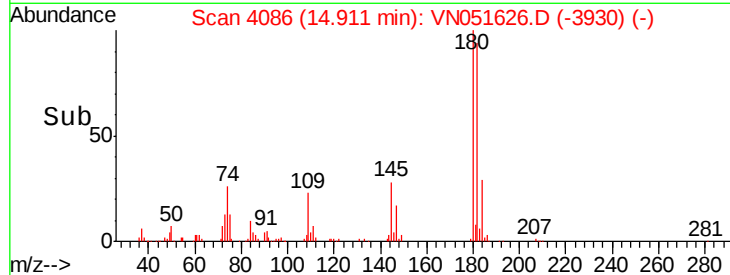
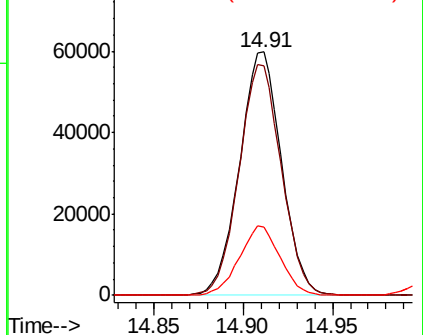


Abundance

Ion 180.00 (179.70 to 180.70): V

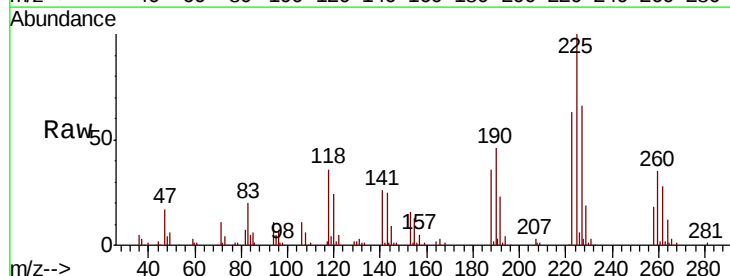
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.038 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	131.0
227	66.6	0.0	129.0

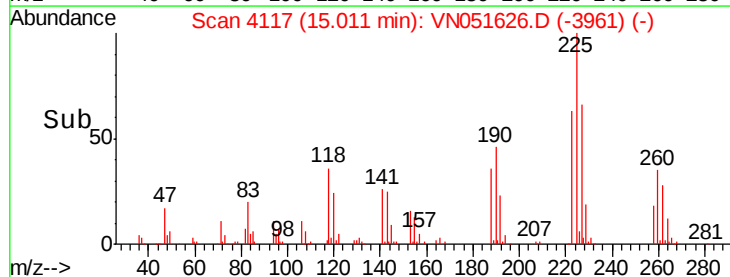
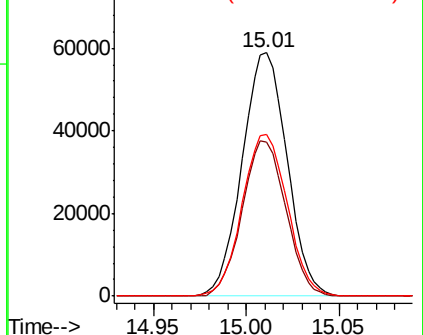


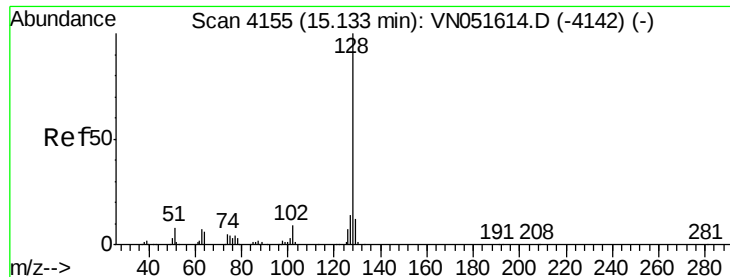
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





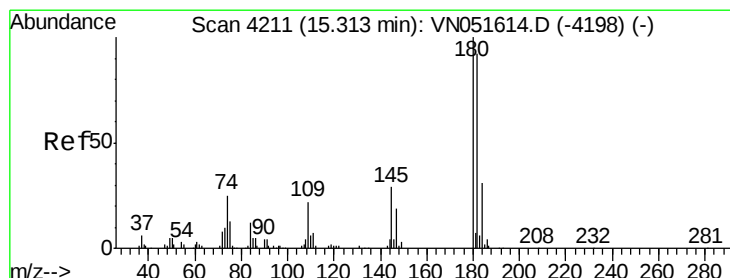
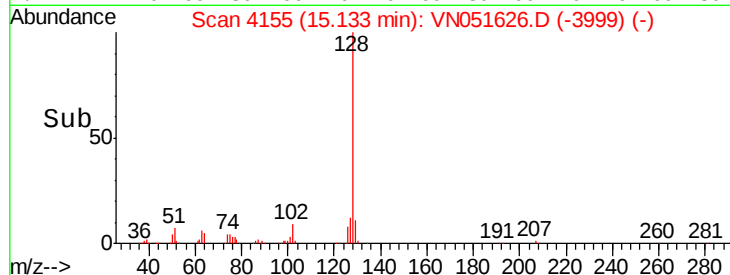
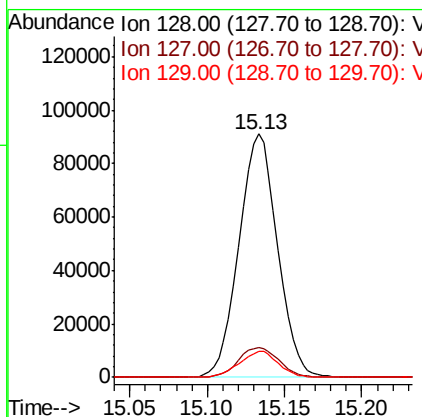
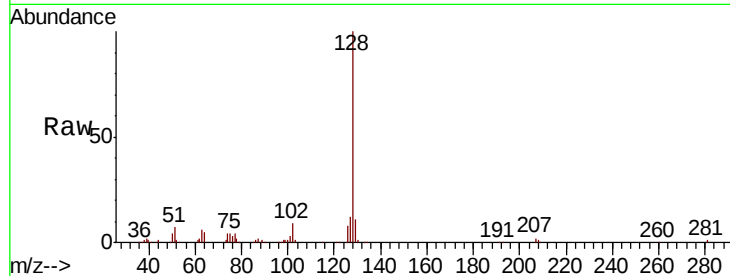
#91
Naphthalene
Concen: 17.132 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	10.8	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
10/2/2018 3:03:52 PM



#92
1,2,3-Trichlorobenzene
Concen: 16.571 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	0.0	191.8
145	29.7	0.0	60.4

