

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053043.D
 Acq On : 20 Dec 2018 9:08
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 9:20:36 AM

Quant Time: Dec 21 00:26:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1080546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1600267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1453014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	718052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	570369	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.59	113	460937	63.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.12%	
50) Toluene-d8	10.09	98	2147861	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.40	95	770792	55.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	527461	48.232	ug/l	100
3) Chloromethane	2.06	50	640058	48.299	ug/l	100
4) Vinyl Chloride	2.19	62	641586	47.804	ug/l	100
5) Bromomethane	2.57	94	425515	45.761	ug/l	99
6) Chloroethane	2.71	64	383717	48.274	ug/l	100
7) Trichlorofluoromethane	3.02	101	815312	48.764	ug/l	100
8) Diethyl Ether	3.41	74	310145	49.171	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	531188	49.829	ug/l	99
10) Methyl Iodide	3.96	142	757769	50.618	ug/l	99
11) Tert butyl alcohol	4.78	59	157439	235.310	ug/l	98
12) 1,1-Dichloroethene	3.74	96	496997	48.257	ug/l	97
13) Acrolein	3.61	56	146052	240.742	ug/l	98
14) Allyl chloride	4.33	41	772642	48.433	ug/l	98
15) Acrylonitrile	4.98	53	892176	240.024	ug/l	99
16) Acetone	3.81	43	477680	222.178	ug/l	97
17) Carbon Disulfide	4.06	76	1431599	42.623	ug/l	99
18) Methyl Acetate	4.32	43	451407	46.333	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1352396	49.069	ug/l	100
20) Methylene Chloride	4.55	84	568000	48.431	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	529359	47.839	ug/l	98
22) Diisopropyl ether	5.95	45	1707156	50.134	ug/l	98
23) Vinyl Acetate	5.89	43	4974069	254.029	ug/l	98
24) 1,1-Dichloroethane	5.85	63	990574	48.955	ug/l	99
25) 2-Butanone	6.83	43	886699	245.745	ug/l	97
26) 2,2-Dichloropropane	6.83	77	759593	49.177	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	614506	49.054	ug/l	100
28) Bromochloromethane	7.19	49	443069	50.533	ug/l	94
29) Tetrahydrofuran	7.21	42	657827	244.104	ug/l	98
30) Chloroform	7.37	83	974256	49.014	ug/l	100
31) Cyclohexane	7.65	56	950023	50.062	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	815019	48.132	ug/l	99
36) 1,1-Dichloropropene	7.79	75	776812	50.574	ug/l	100
37) Ethyl Acetate	6.93	43	442447	51.600	ug/l	99
38) Carbon Tetrachloride	7.77	117	705237	50.093	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	945157	50.654	ug/l	99
40) Benzene	8.04	78	2302841	50.404	ug/l	100
41) Methacrylonitrile	7.17	41	249423	50.345	ug/l	97
42) 1,2-Dichloroethane	8.12	62	676853	50.149	ug/l	98
43) Isopropyl Acetate	8.16	43	815788	49.146	ug/l	97
44) Trichloroethene	8.83	130	655516	49.605	ug/l	97
45) 1,2-Dichloropropane	9.12	63	609600	51.226	ug/l	99
46) Dibromomethane	9.21	93	345428	49.828	ug/l	97
47) Bromodichloromethane	9.40	83	742337	50.376	ug/l	99
48) Methyl methacrylate	9.20	41	415313	49.914	ug/l	99
49) 1,4-Dioxane	9.20	88	107777	1023.999	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2141240	257.862	ug/l	99
52) Toluene	10.16	92	1460763	51.584	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	768814	49.615	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	906470	50.965	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	500987	50.710	ug/l	99
56) Ethyl methacrylate	10.43	69	668438	51.118	ug/l	98
57) 1,3-Dichloropropane	10.71	76	864093	51.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1826765	254.465	ug/l	98
59) 2-Hexanone	10.75	43	1482913	263.947	ug/l	98
60) Dibromochloromethane	10.90	129	566641	50.107	ug/l	100
61) 1,2-Dibromoethane	11.01	107	505735	50.404	ug/l	99
64) Tetrachloroethene	10.63	164	745682	47.377	ug/l	98
65) Chlorobenzene	11.43	112	1628816	50.570	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	559744	49.974	ug/l	99
67) Ethyl Benzene	11.51	91	2833110	51.147	ug/l	100
68) m/p-Xylenes	11.62	106	2180756	103.562	ug/l	99
69) o-Xylene	11.95	106	1056697	52.295	ug/l	100
70) Styrene	11.96	104	1748273	53.061	ug/l	99
71) Bromoform	12.13	173	388967	48.071	ug/l #	100
73) Isopropylbenzene	12.25	105	2821009	50.213	ug/l	100
74) N-amyl acetate	12.07	43	763593	48.955	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	559146	50.730	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	506417m	41.895	ug/l	
77) Bromobenzene	12.53	156	725605	49.686	ug/l	97
78) n-propylbenzene	12.59	91	3262087	50.982	ug/l	99
79) 2-Chlorotoluene	12.67	91	1898499	47.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2310241	50.450	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	177976	47.456	ug/l	97
82) 4-Chlorotoluene	12.77	91	1952810	50.298	ug/l	99
83) tert-Butylbenzene	12.99	119	2011759	49.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2348694	51.020	ug/l	100
85) sec-Butylbenzene	13.17	105	2714265	49.549	ug/l	100
86) p-Isopropyltoluene	13.29	119	2385070	50.388	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1292914	50.021	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1285977	49.130	ug/l	100
89) n-Butylbenzene	13.62	91	2002120	49.166	ug/l	99
90) Hexachloroethane	13.88	117	354704	48.832	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1219508	50.132	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88920	46.659	ug/l	98

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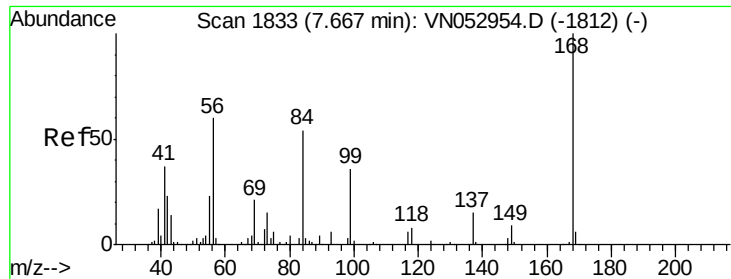
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	641161	49.751	ug/l	99
94) Hexachlorobutadiene	15.01	225	383451	57.917	ug/l	99
95) Naphthalene	15.13	128	1309629	46.471	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	559610	48.236	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1080546

Ion Ratio Lower Upper

168 100

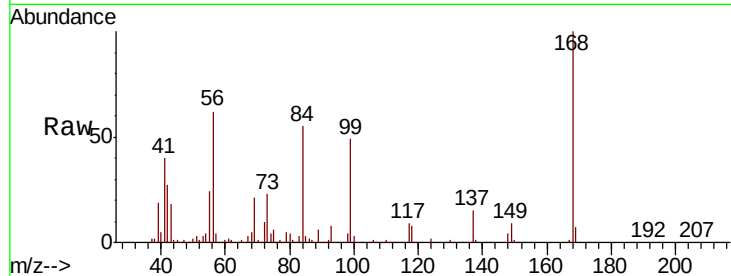
99 49.0 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

200000

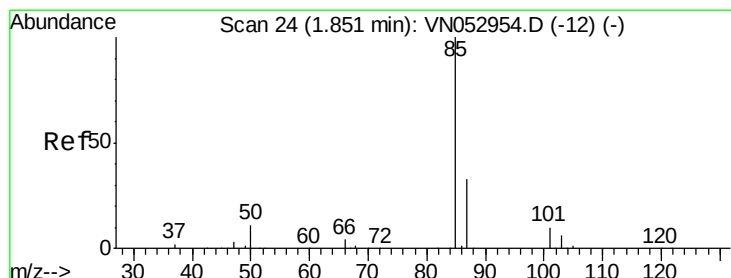
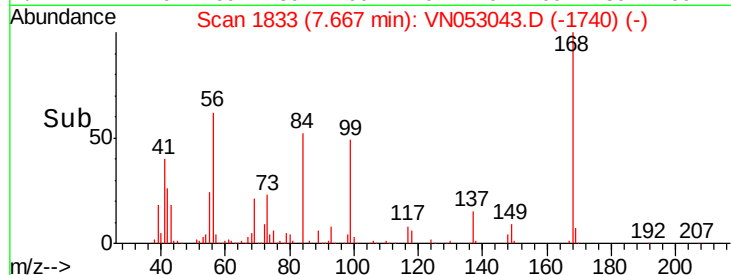
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.232 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053043.D

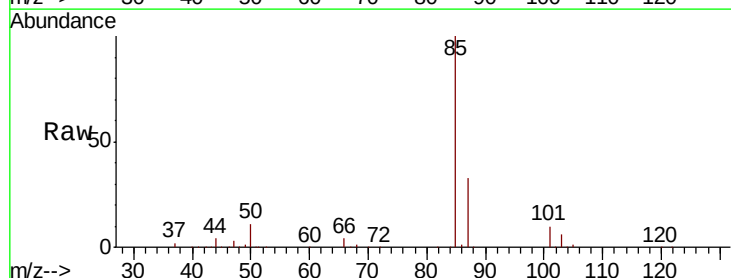
Acq: 20 Dec 2018 9:08

Tgt Ion: 85 Resp: 527461

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

300000

200000

100000

0

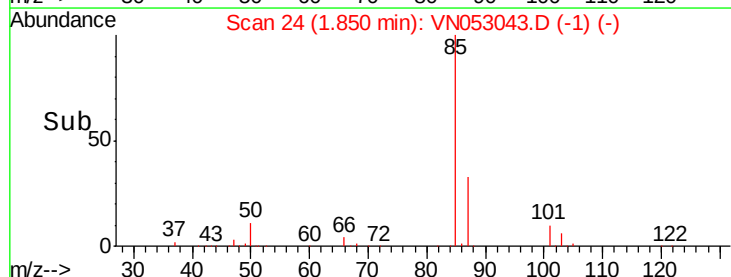
1.80

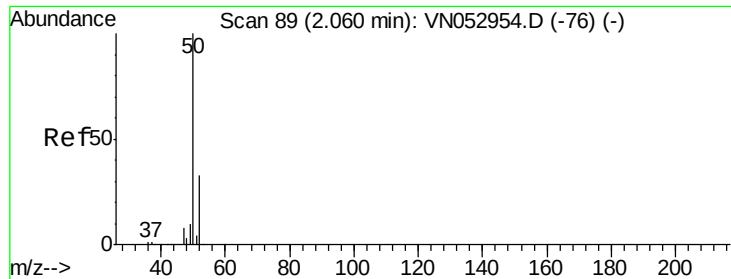
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 48.299 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 640058

Ion Ratio Lower Upper

50 100

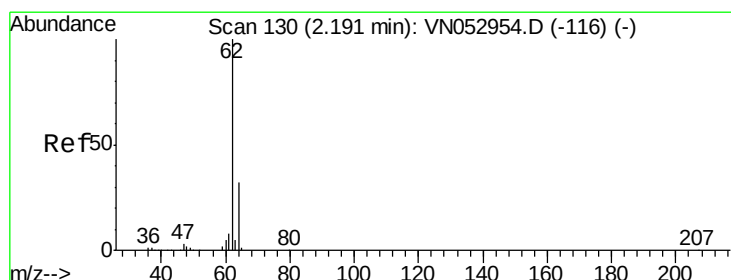
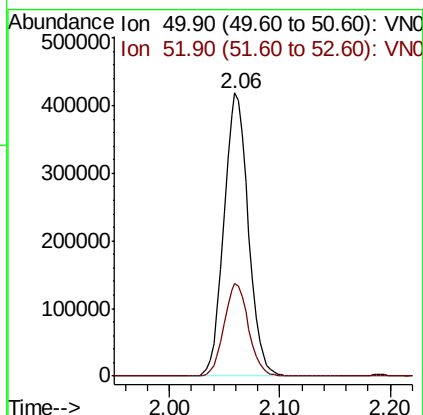
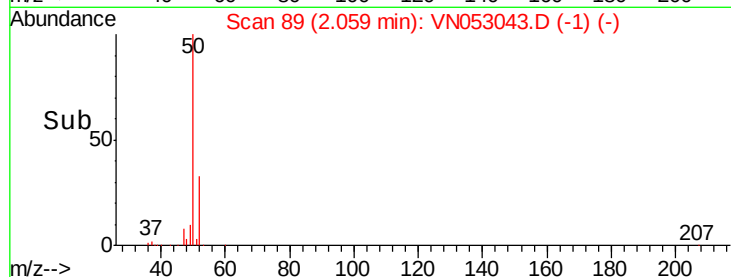
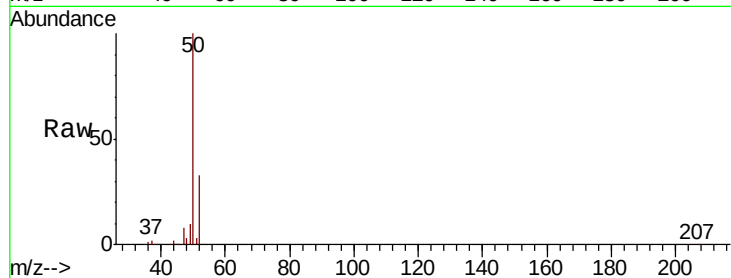
52 32.8 26.2 39.4

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#4

Vinyl Chloride

Concen: 47.804 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053043.D

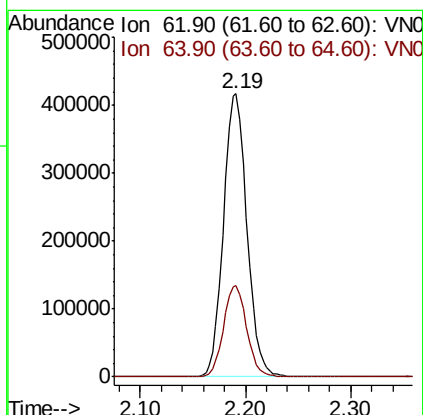
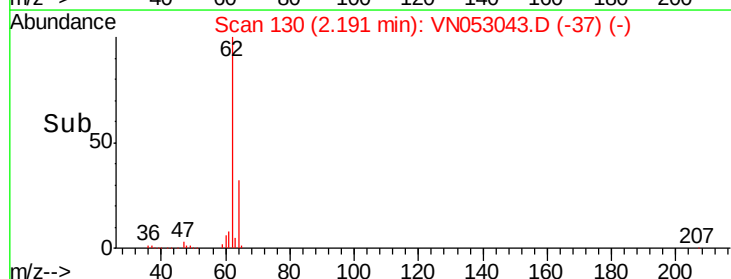
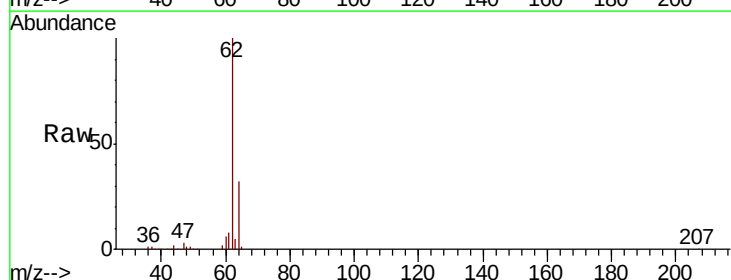
Acq: 20 Dec 2018 9:08

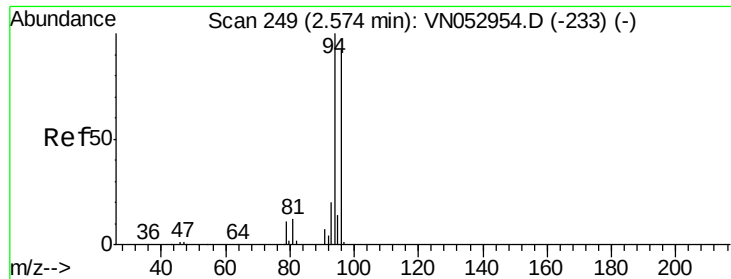
Tgt Ion: 62 Resp: 641586

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 45.761 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

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VSTDCCC050

Tot Ion: 94 Resp: 425515

Ion Ratio Lower Upper

94 100

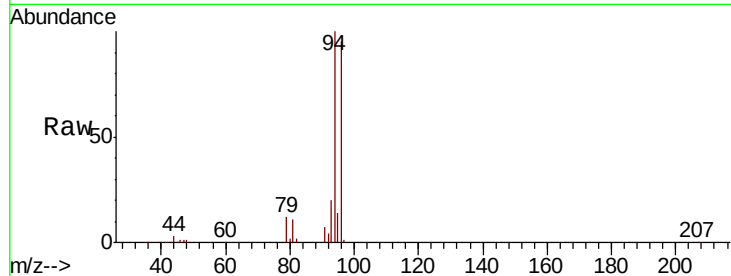
96 94.6 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN052954.D (-233) (-)

Ion 95.90 (95.60 to 96.60): VN052954.D (-233) (-)

250000

200000

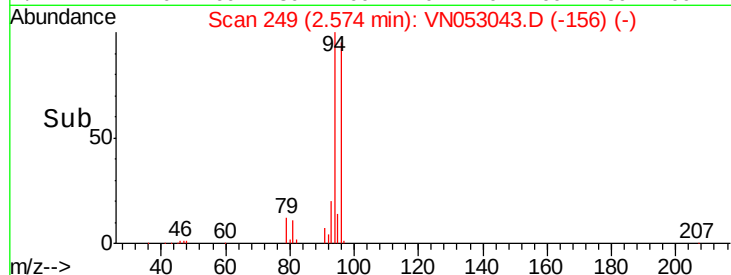
150000

100000

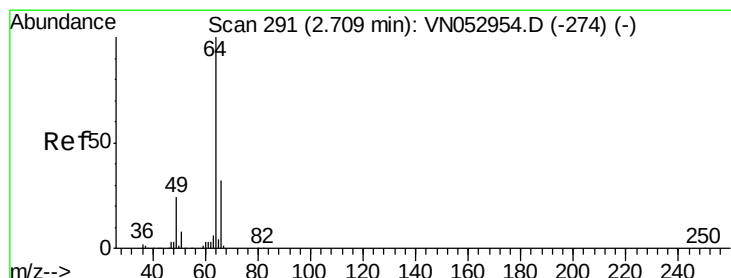
50000

0

Time-->



Time-->



#6

Chloroethane

Concen: 48.274 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053043.D

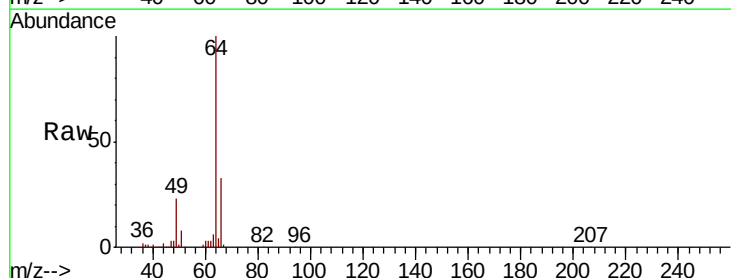
Acq: 20 Dec 2018 9:08

Tgt Ion: 64 Resp: 383717

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN052954.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN052954.D (-274) (-)

200000

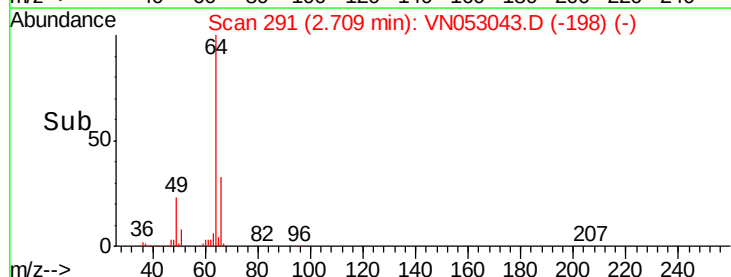
150000

100000

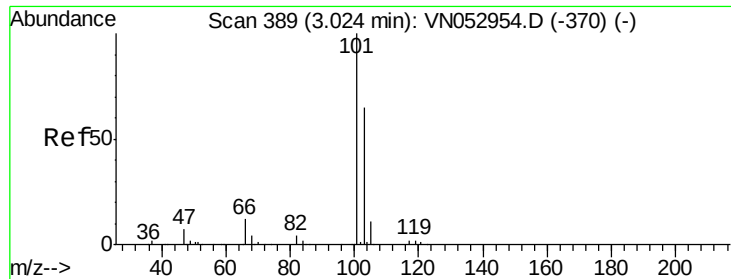
50000

0

Time-->



Time-->



#7

Trichlorofluoromethane

Concen: 48.764 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

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Tot Ion:101 Resp: 815312

Ion Ratio Lower Upper

101 100

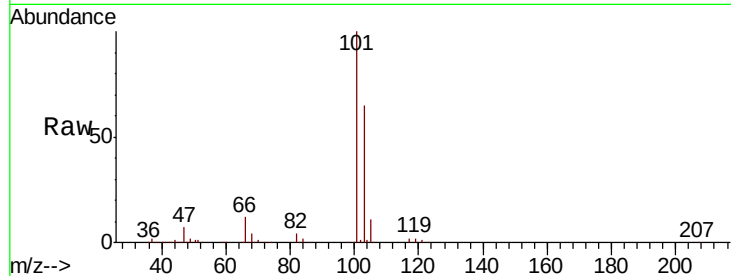
103 65.0 51.8 77.6

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

400000

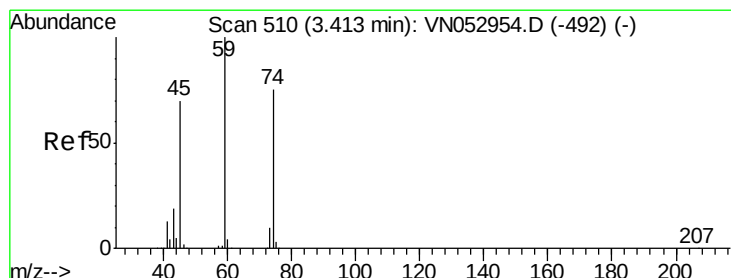
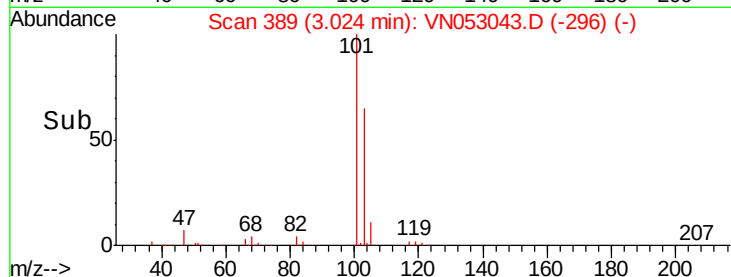
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 49.171 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN053043.D

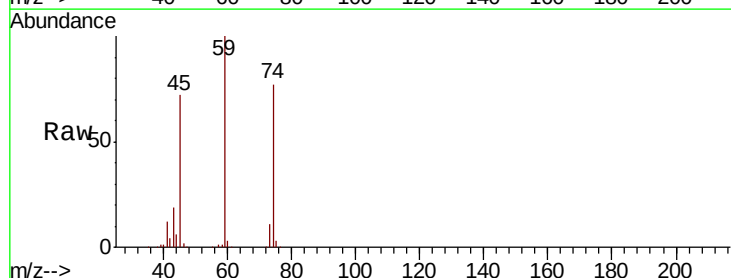
Acq: 20 Dec 2018 9:08

Tgt Ion: 74 Resp: 310145

Ion Ratio Lower Upper

74 100

45 93.4 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

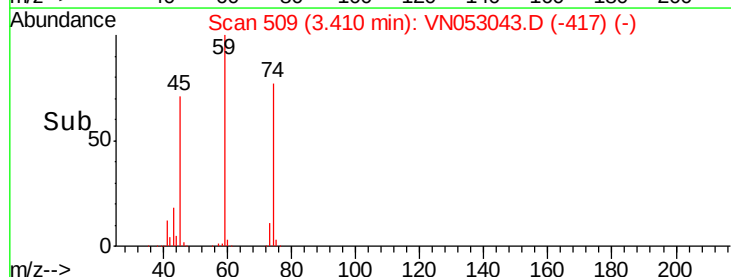
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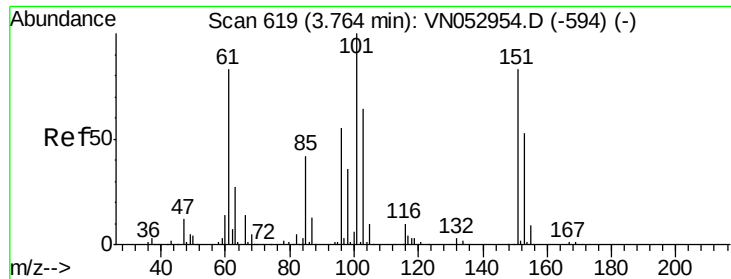
100000

50000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.829 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

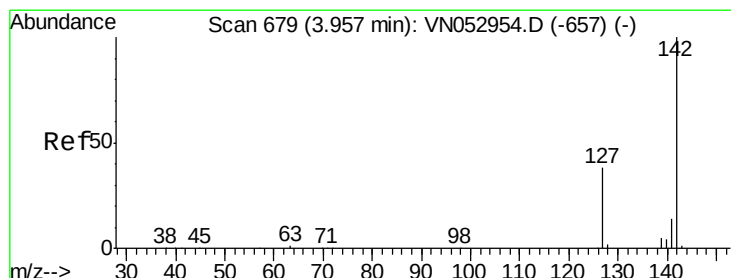
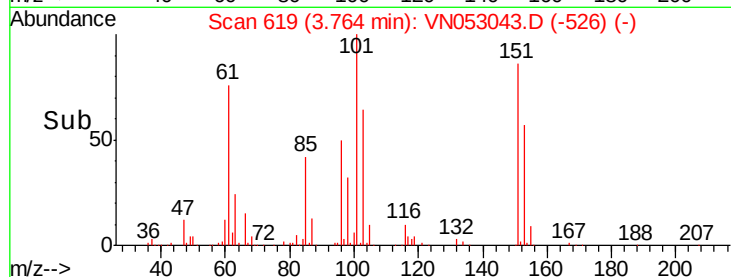
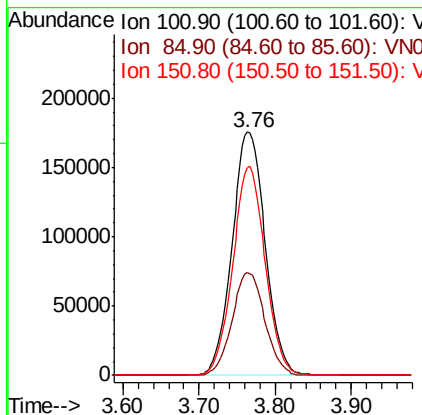
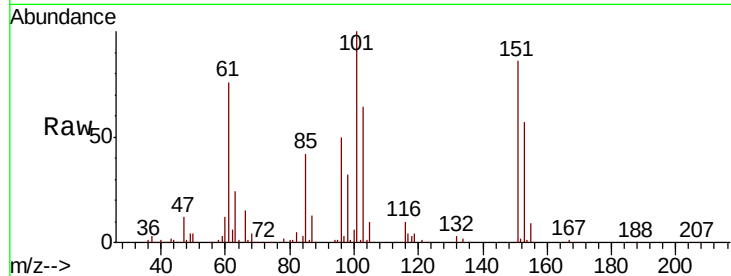
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	531188
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.6	50.4
151	83.7	65.5	98.3

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#10

Methyl Iodide

Concen: 50.618 ug/l

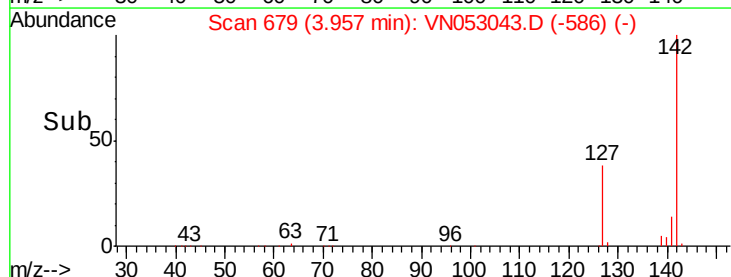
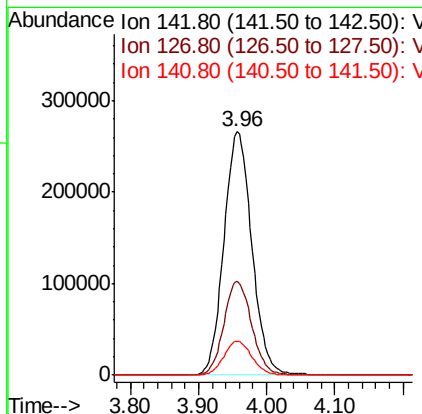
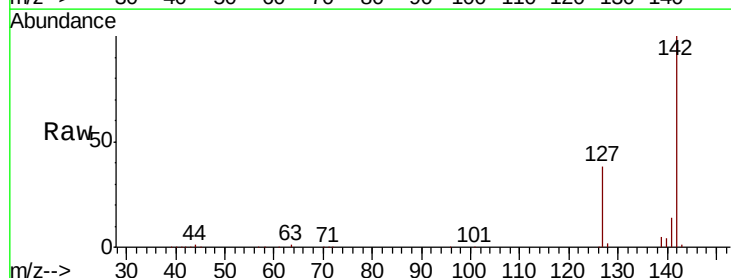
RT: 3.96 min Scan# 679

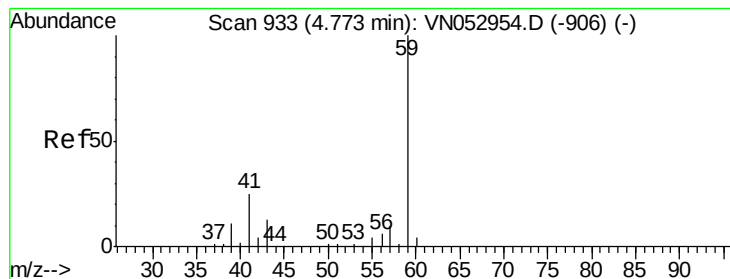
Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion:	142	Resp:	757769
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.6
141	14.0	11.2	16.8





#11

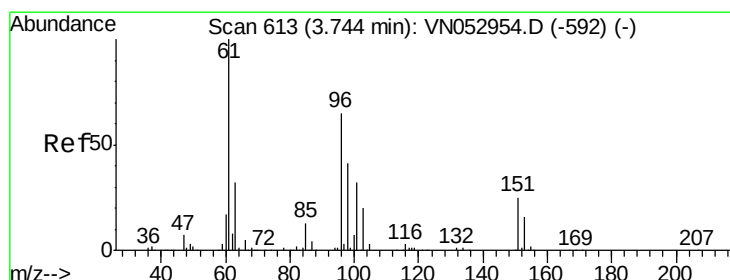
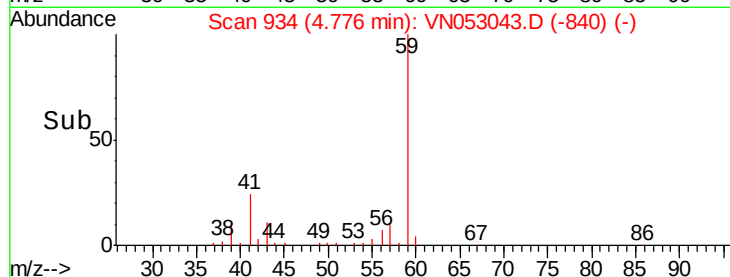
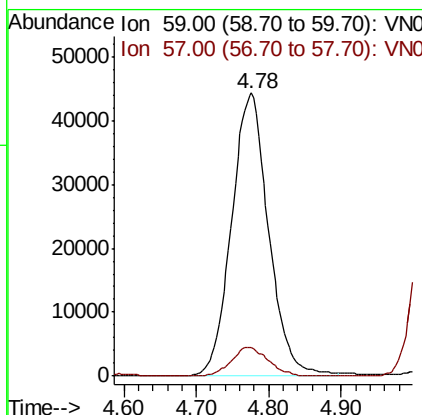
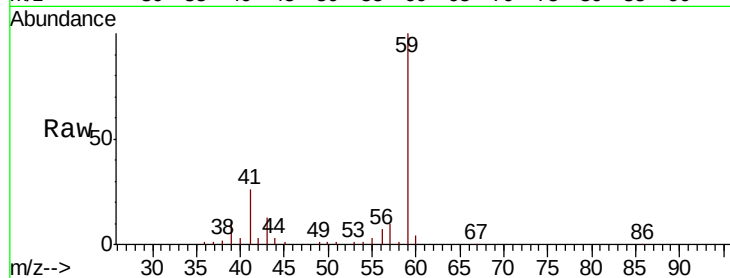
Tert butyl alcohol
 Concen: 235.310 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.7	11.5

Manual Integrations
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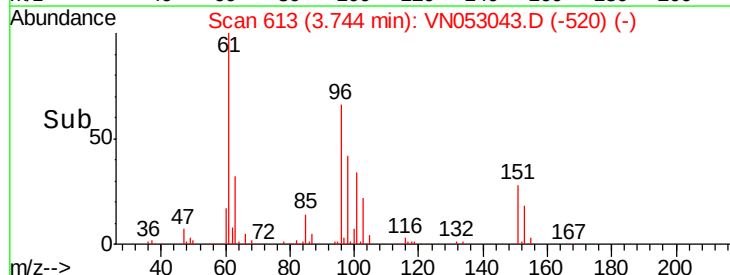
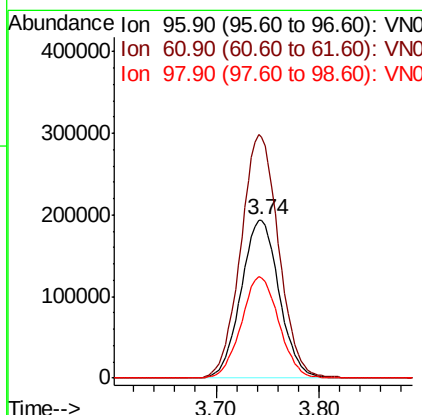
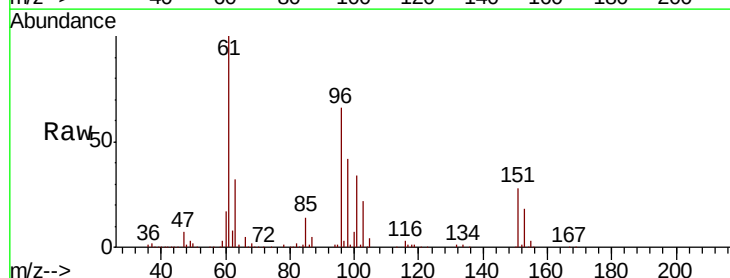
MMDadoda
 12/21/2018 9:20:36 AM

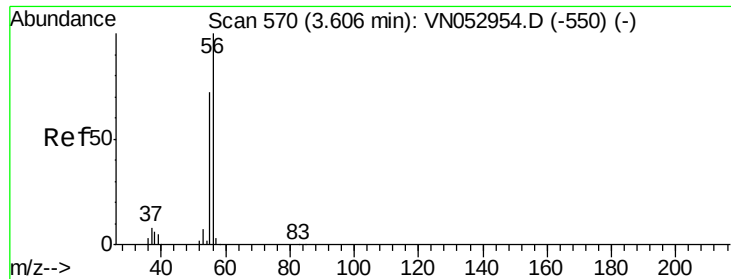


#12

1,1-Dichloroethene
 Concen: 48.257 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	125.6	188.4
98	63.5	50.6	75.8





#13

Acrolein

Concen: 240.742 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 146052

Ion Ratio Lower Upper

56 100

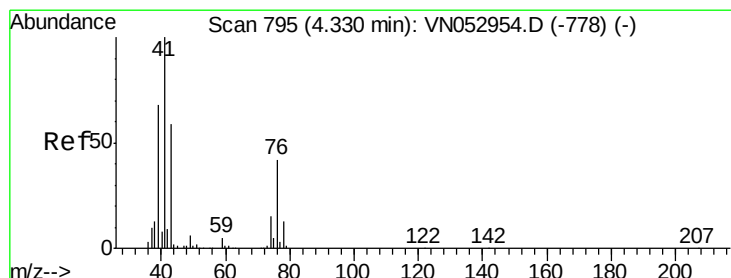
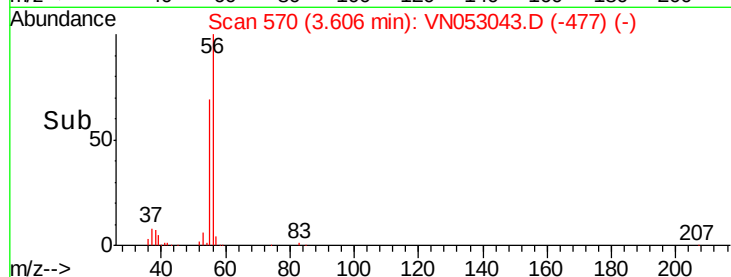
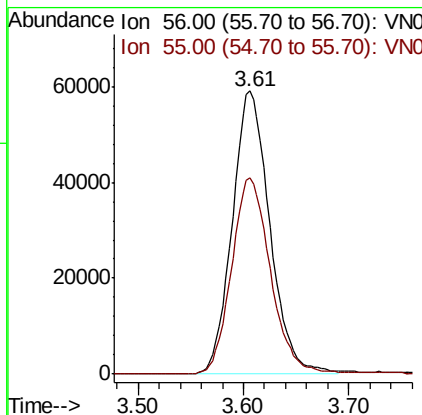
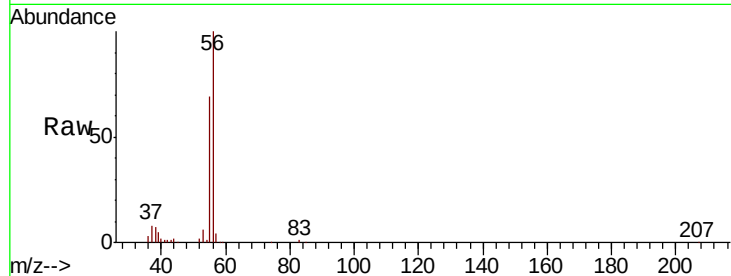
55 72.1 56.6 85.0

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#14

Allyl chloride

Concen: 48.433 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

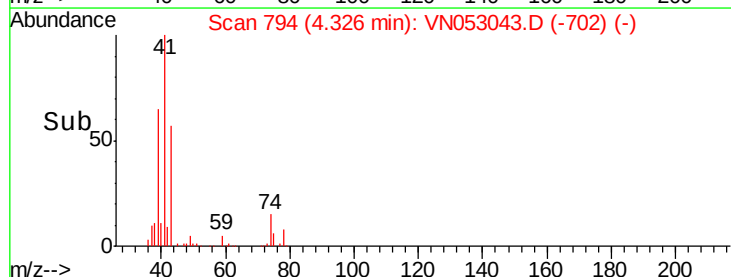
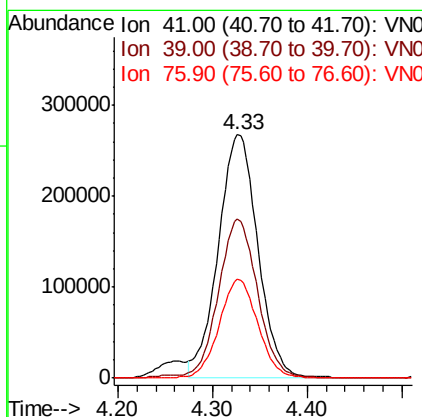
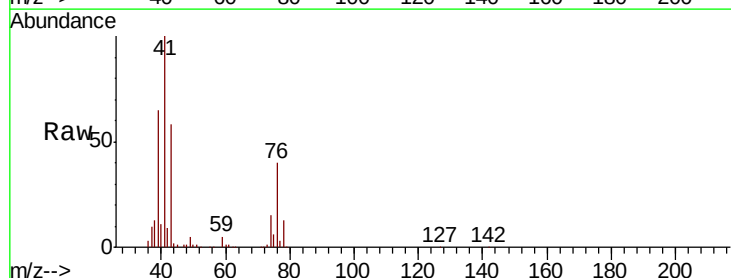
Tgt Ion: 41 Resp: 772642

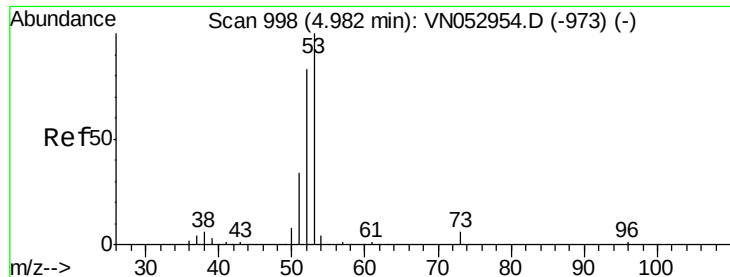
Ion Ratio Lower Upper

41 100

39 65.9 54.1 81.1

76 39.2 30.3 45.5





#15

Acrylonitrile

Concen: 240.024 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

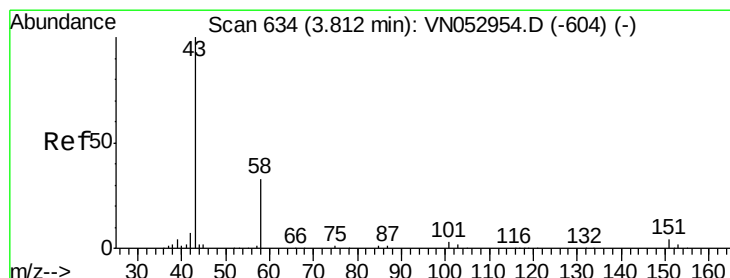
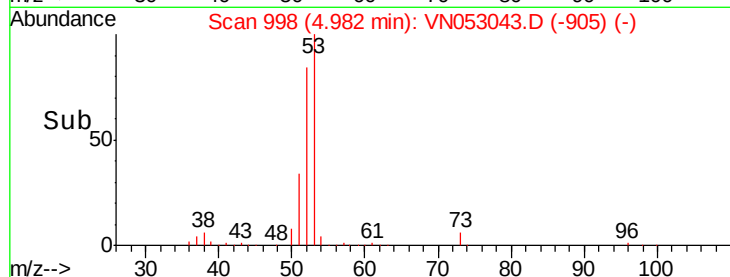
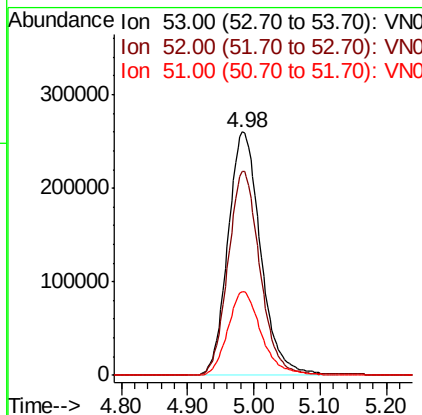
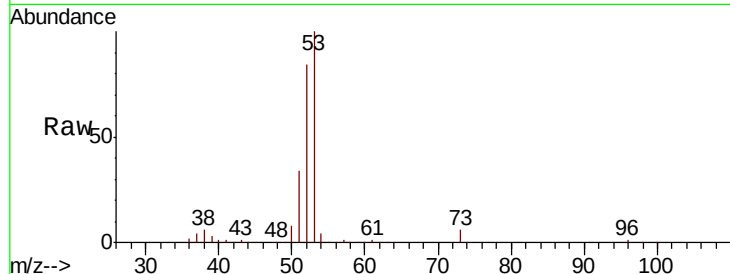
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	892176
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.1	97.7
51	35.4	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 222.178 ug/l

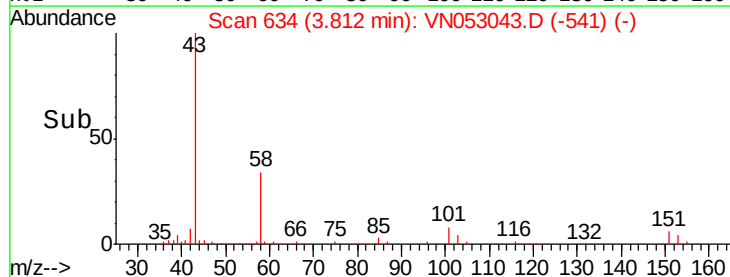
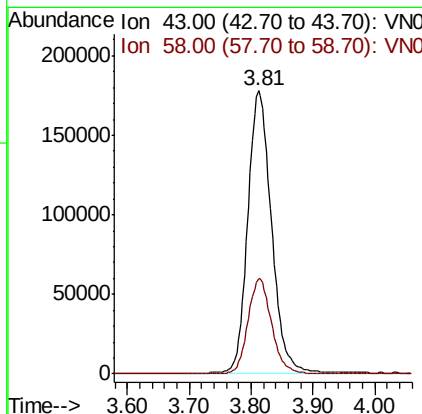
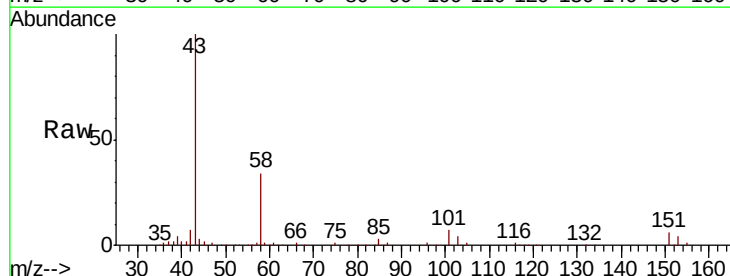
RT: 3.81 min Scan# 634

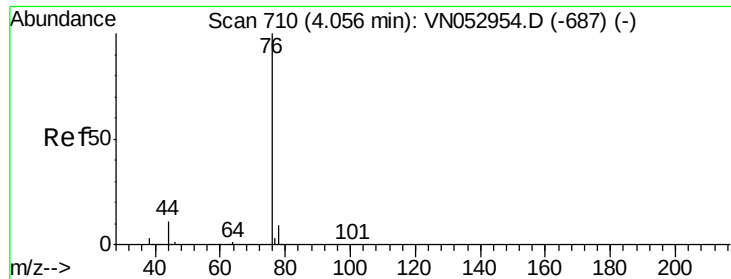
Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion:	43	Resp:	477680
Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.4	38.0





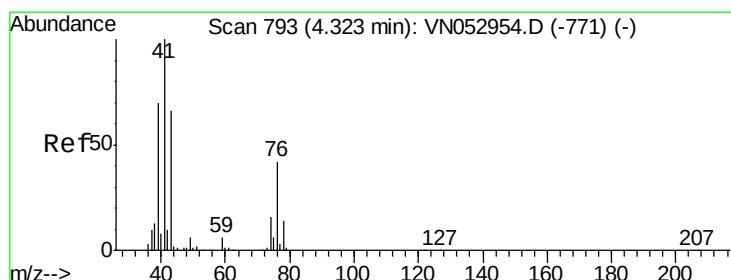
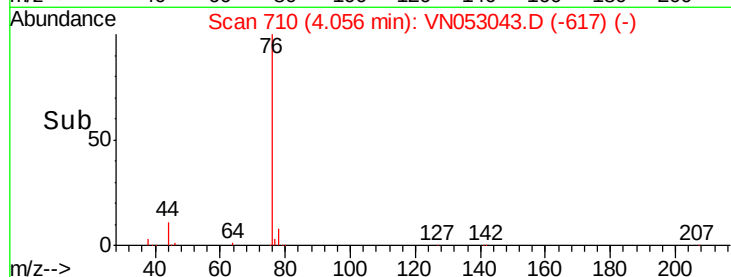
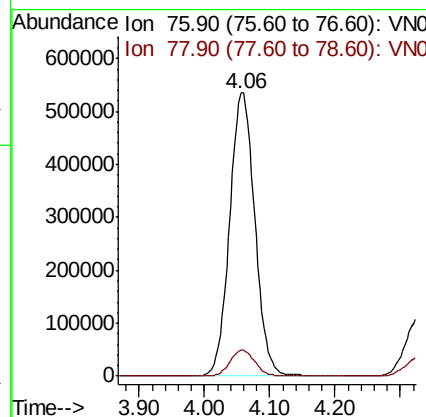
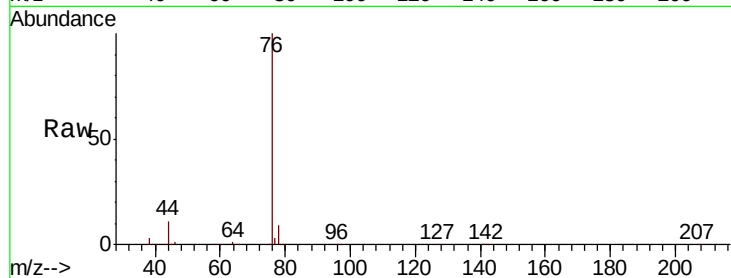
#17
Carbon Disulfide
Concen: 42.623 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1431599
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

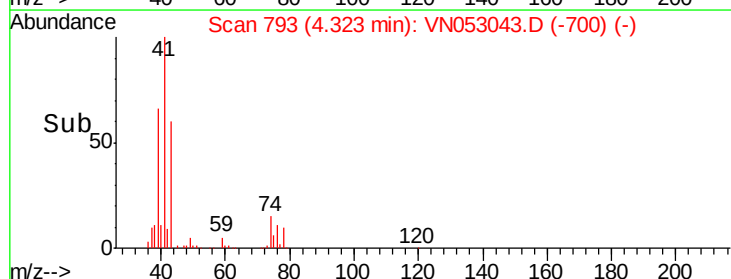
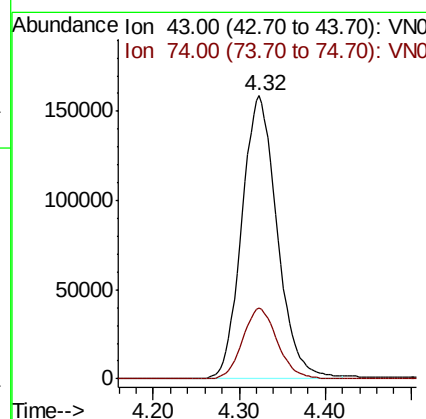
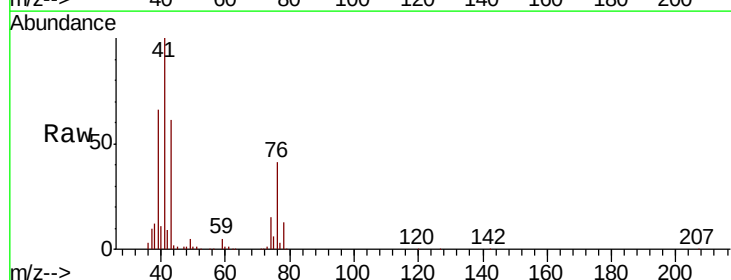
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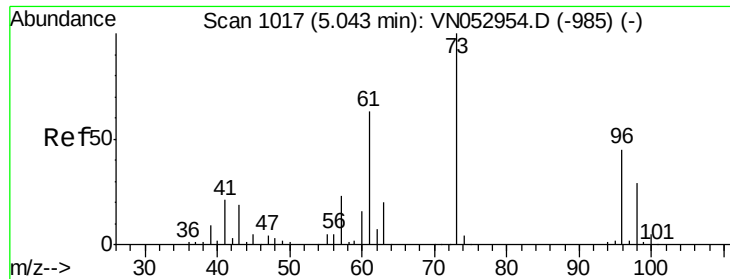
MMDadoda
12/21/2018 9:20:36 AM



#18
Methyl Acetate
Concen: 46.333 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 43 Resp: 451407
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8





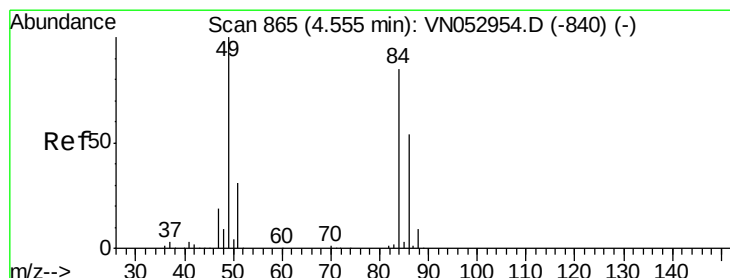
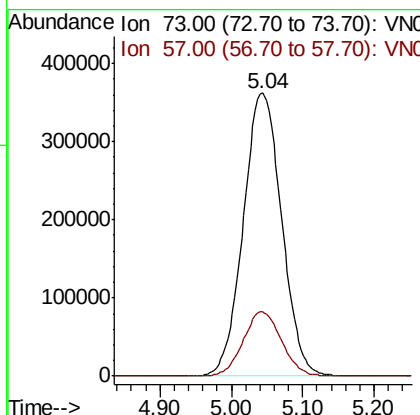
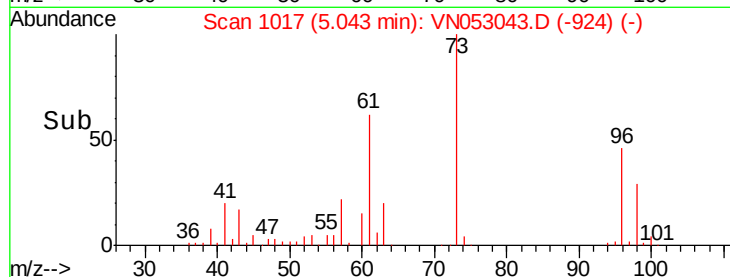
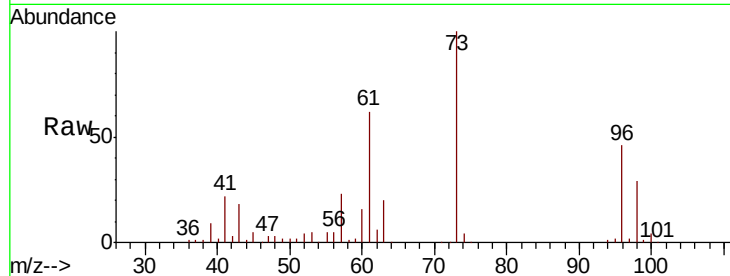
#19
Methyl tert-butyl Ether
Concen: 49.069 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 1352396
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

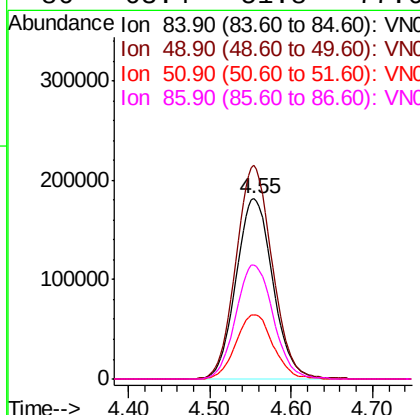
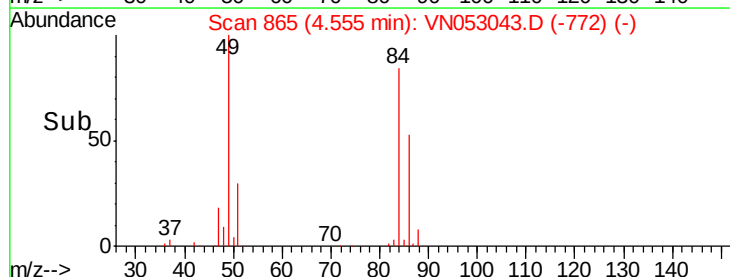
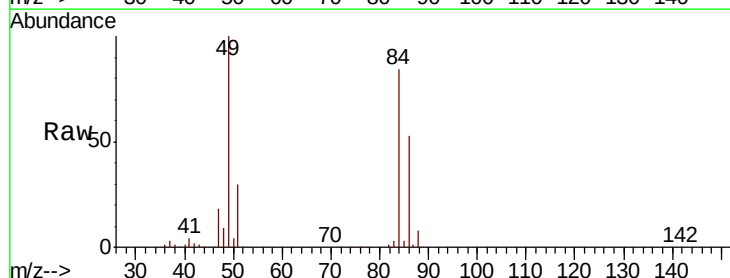
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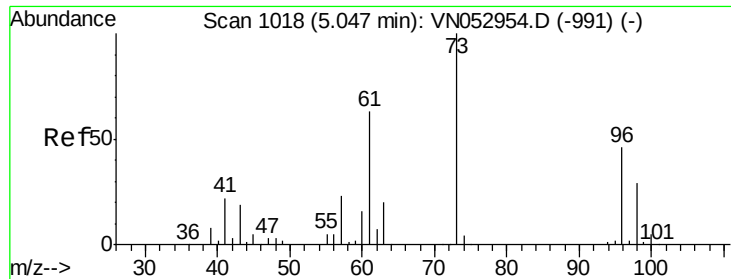
MMDadoda
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#20
Methylene Chloride
Concen: 48.431 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 84 Resp: 568000
Ion Ratio Lower Upper
84 100
49 118.6 96.8 145.2
51 35.7 29.9 44.9
86 63.4 51.8 77.6





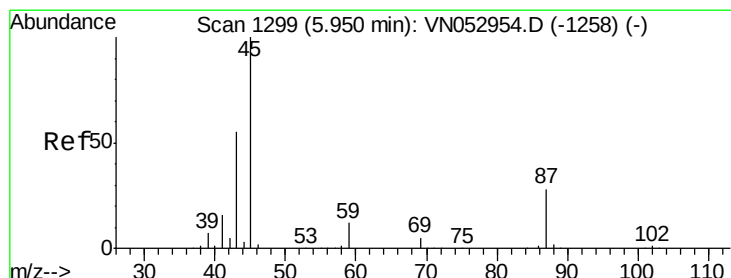
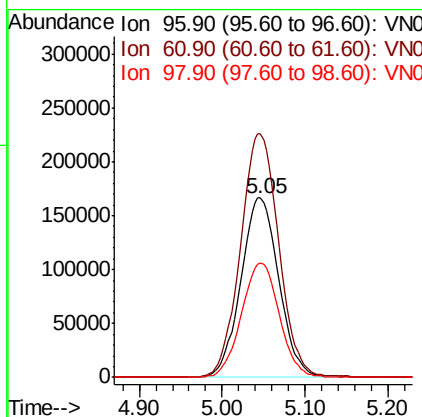
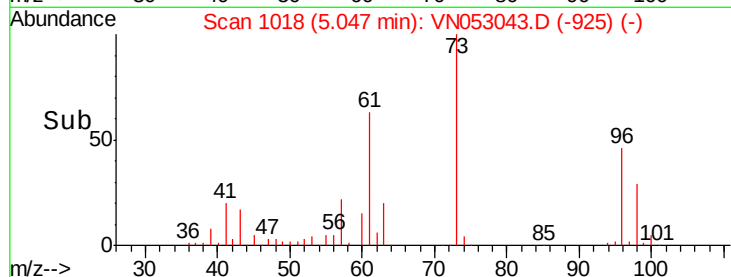
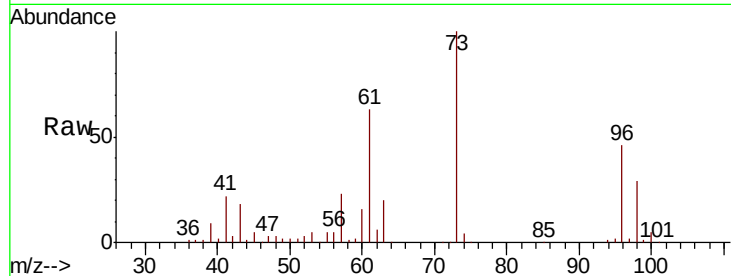
#21
trans-1,2-Dichloroethene
Concen: 47.839 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	110.8	166.2
98	63.6	51.4	77.2

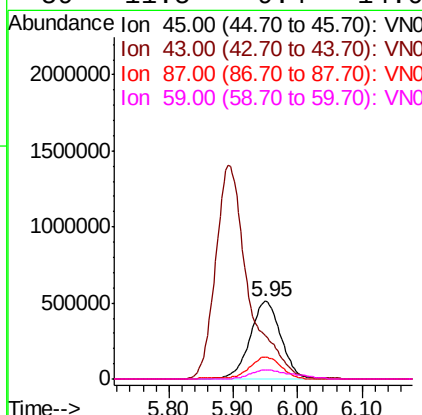
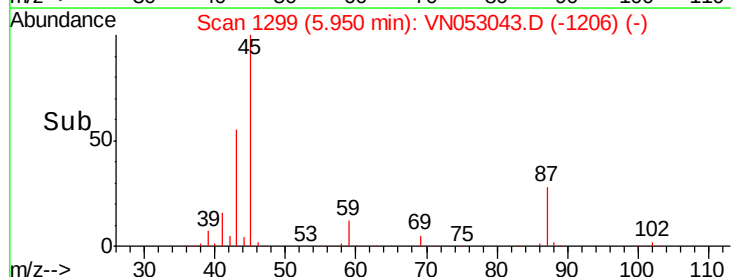
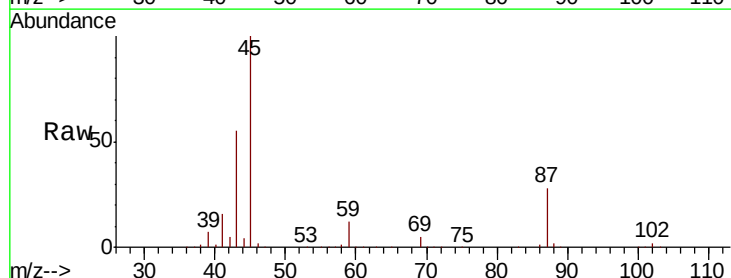
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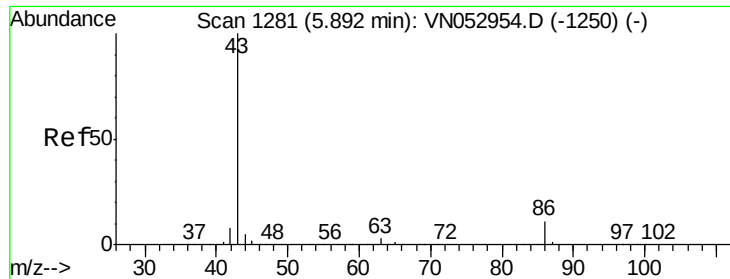
MMDadoda
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#22
Diisopropyl ether
Concen: 50.134 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.5	68.3
87	28.1	22.0	33.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 254.029 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4974069

Ion Ratio Lower Upper

43 100

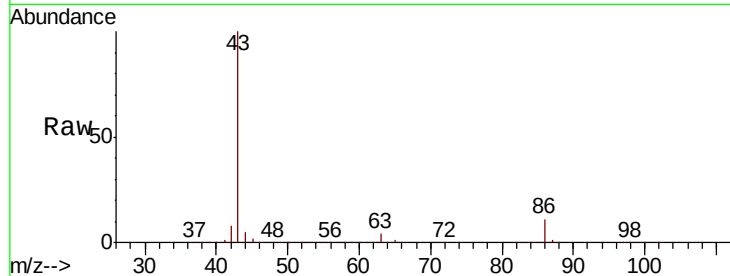
86 10.8 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

1500000

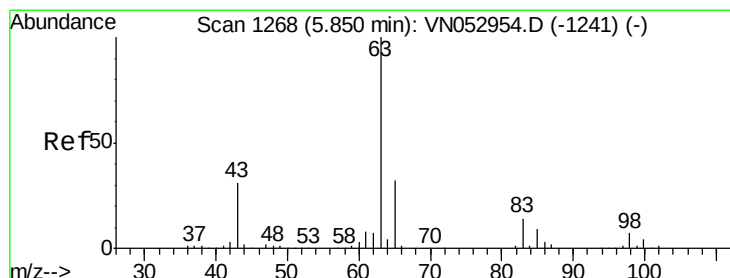
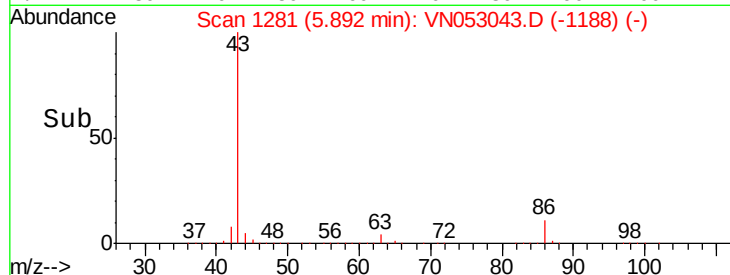
1000000

500000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.955 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

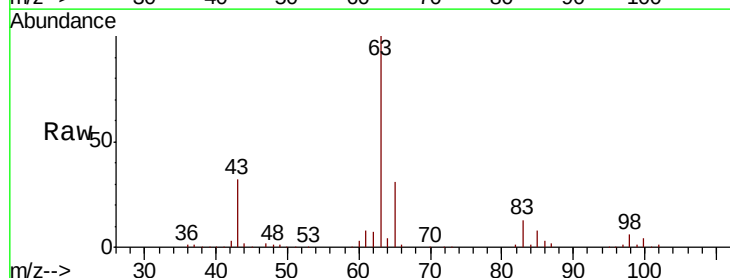
Tgt Ion: 63 Resp: 990574

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

400000

300000

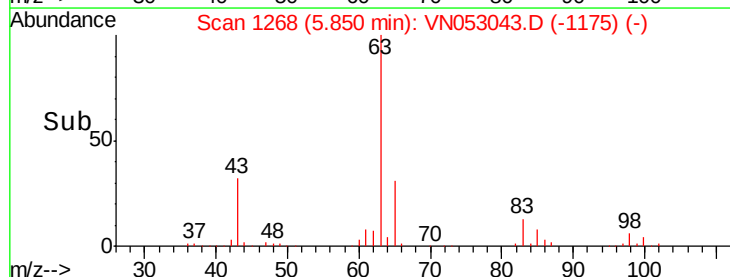
200000

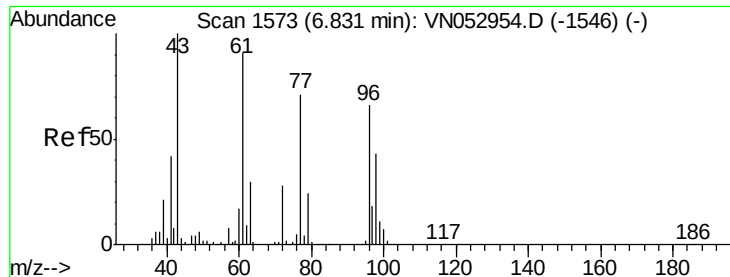
100000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 245.745 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 886699

Ion Ratio Lower Upper

43 100

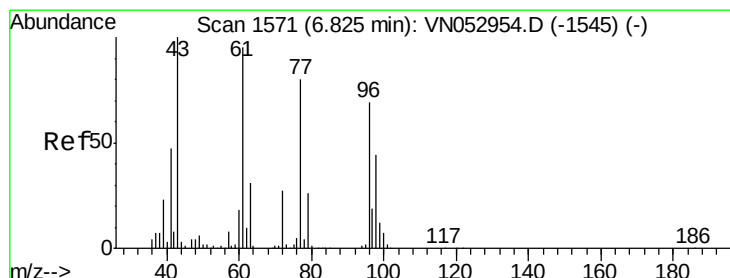
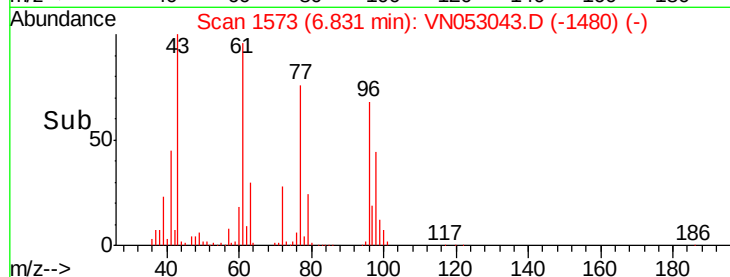
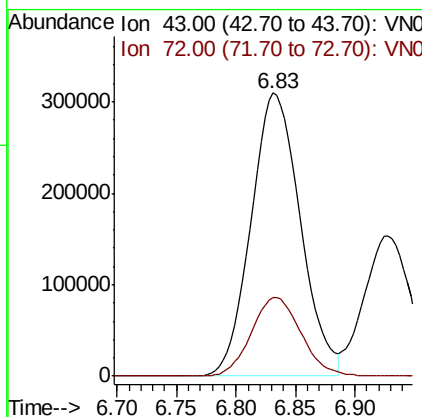
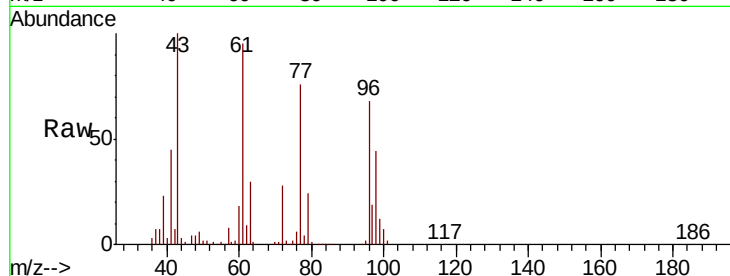
72 27.7 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.177 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053043.D

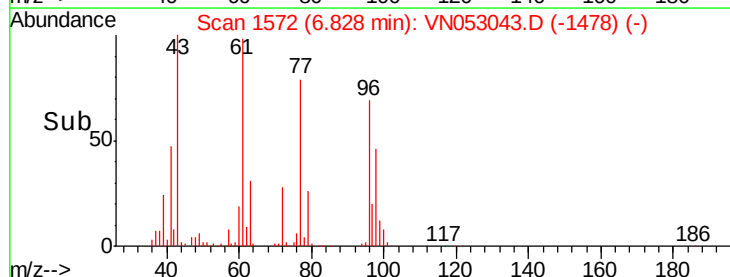
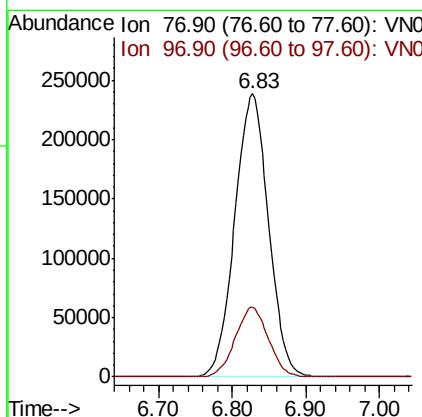
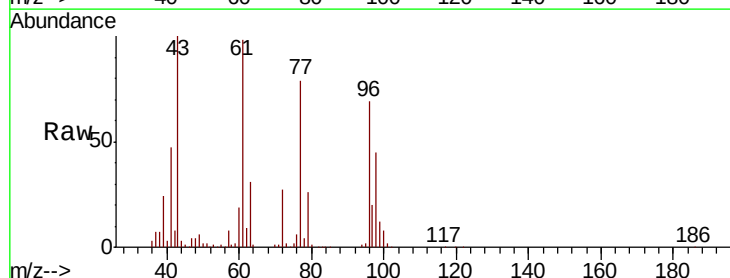
Acq: 20 Dec 2018 9:08

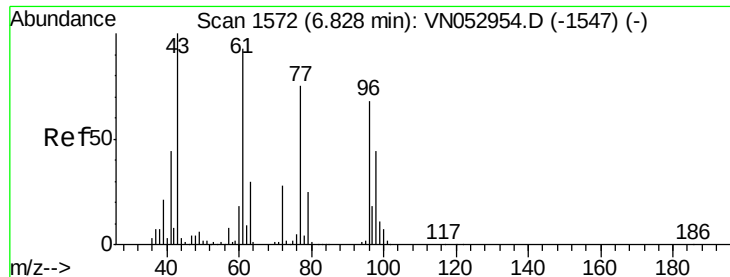
Tgt Ion: 77 Resp: 759593

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.054 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

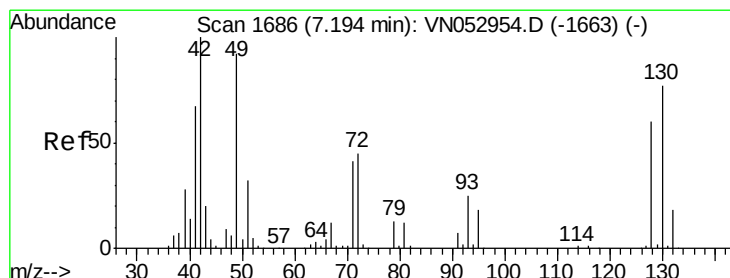
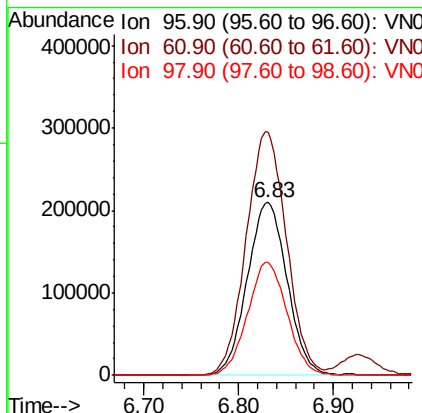
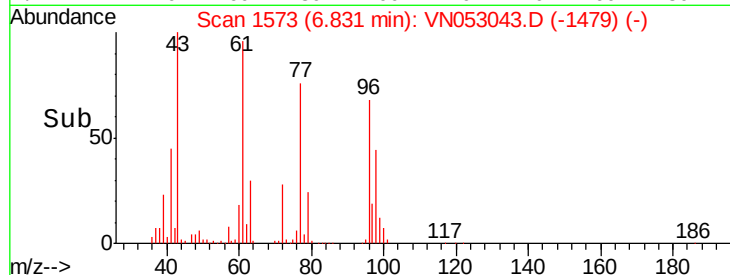
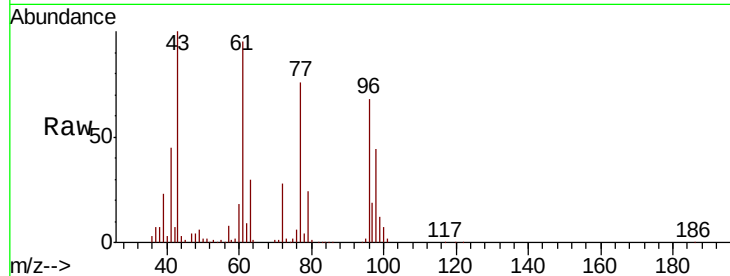
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	614506
Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	284.2
98	65.0	0.0	129.2

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#28

Bromochloromethane

Concen: 50.533 ug/l

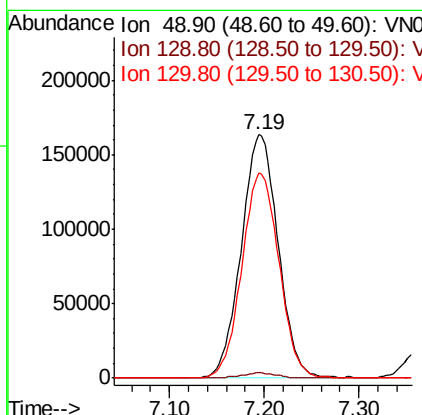
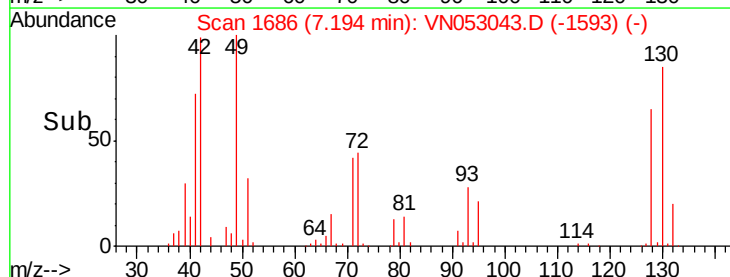
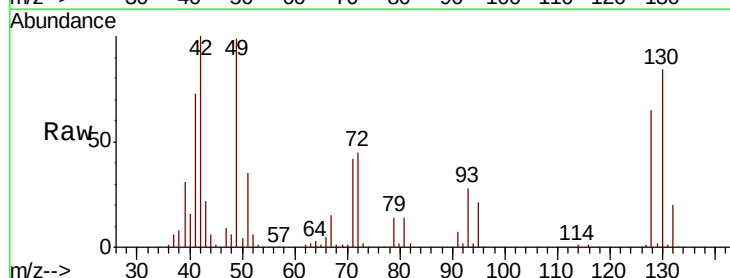
RT: 7.19 min Scan# 1686

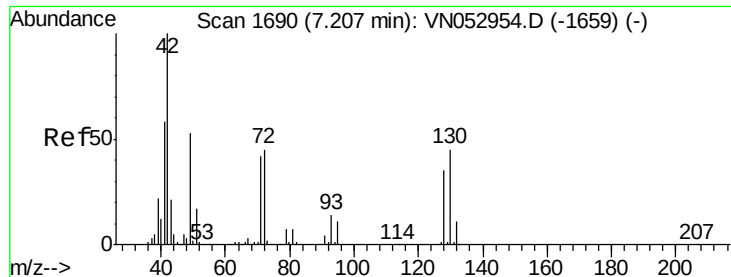
Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion:	49	Resp:	443069
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	84.9	63.3	94.9





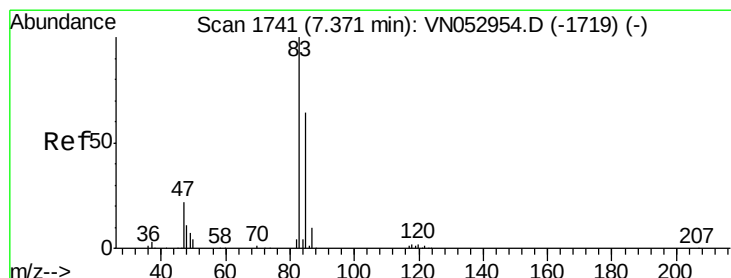
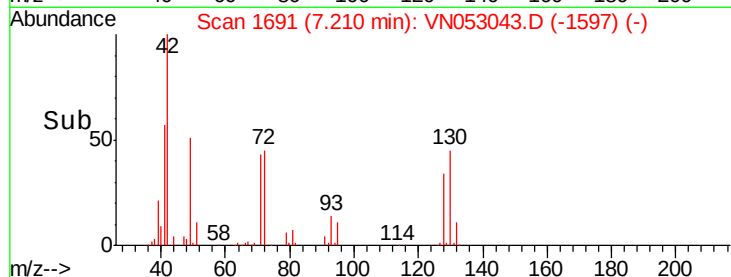
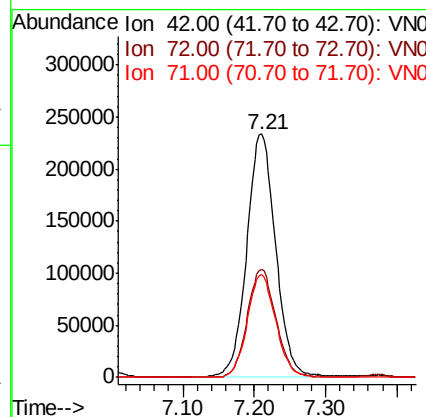
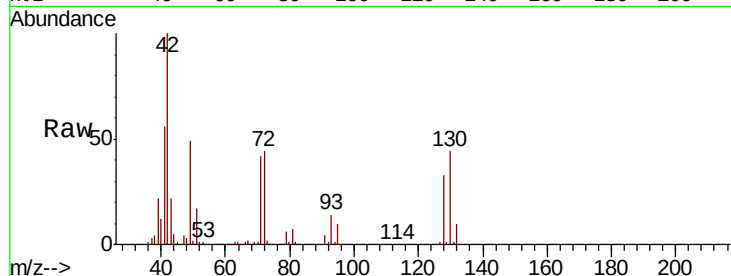
#29
Tetrahydrofuran
Concen: 244.104 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.7	52.1
71	41.6	32.3	48.5

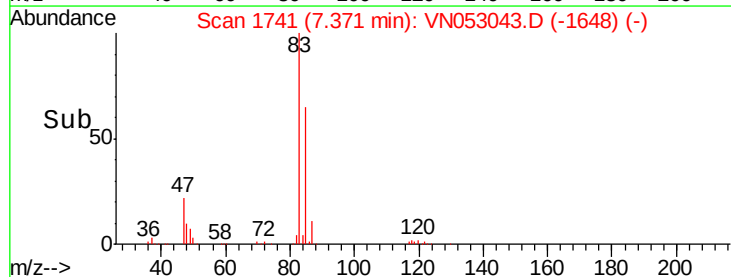
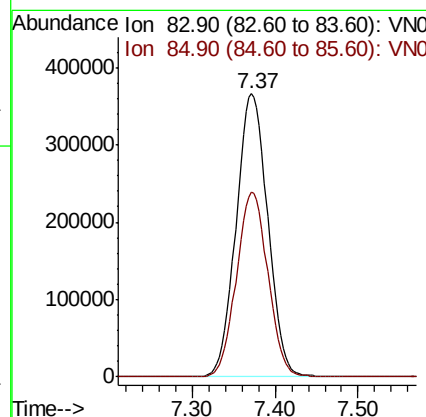
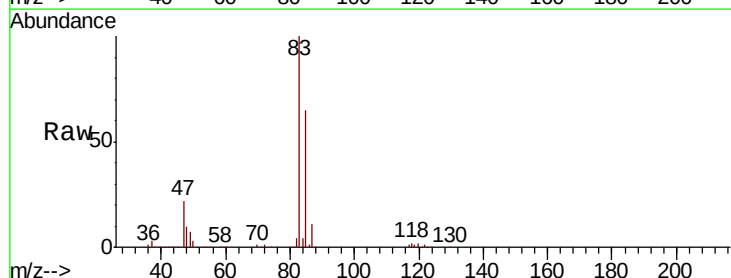
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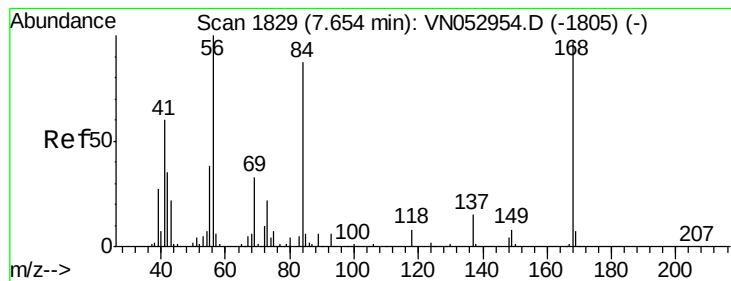
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#30
Chloroform
Concen: 49.014 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 50.062 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 950023

Ion Ratio Lower Upper

56 100

69 32.4 26.6 39.8

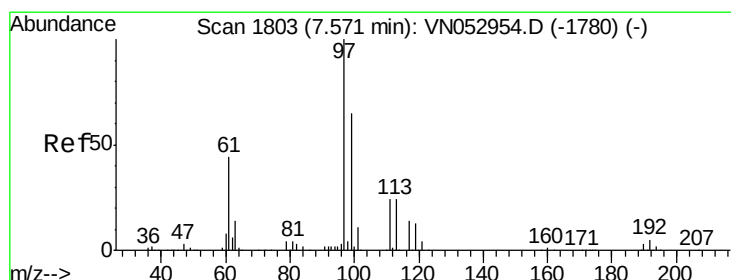
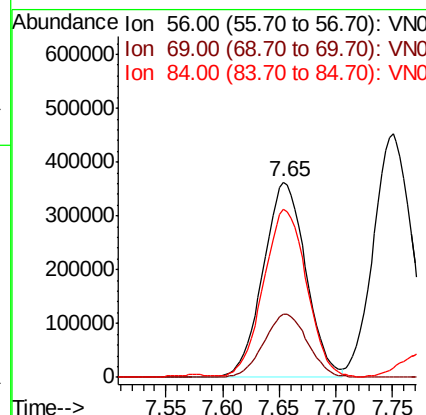
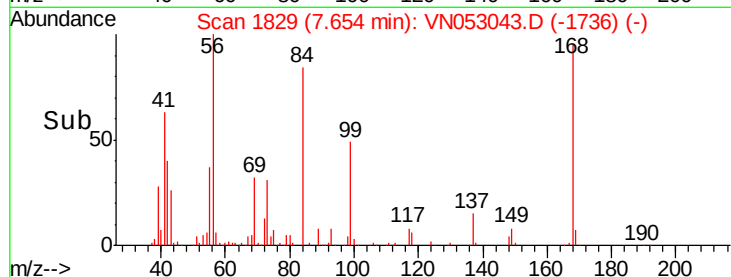
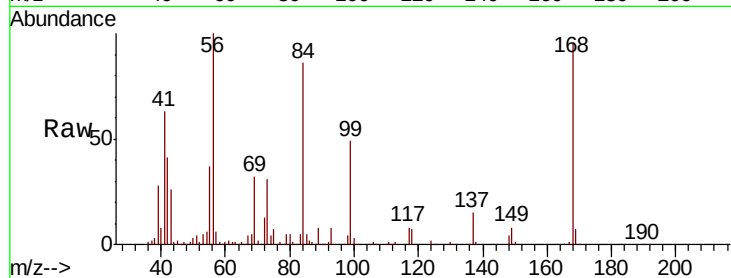
84 84.9 68.4 102.6

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#32

1,1,1-Trichloroethane

Concen: 48.132 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

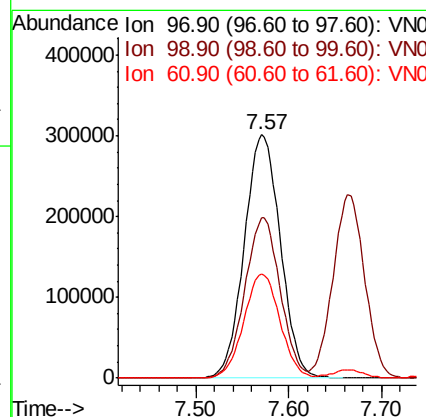
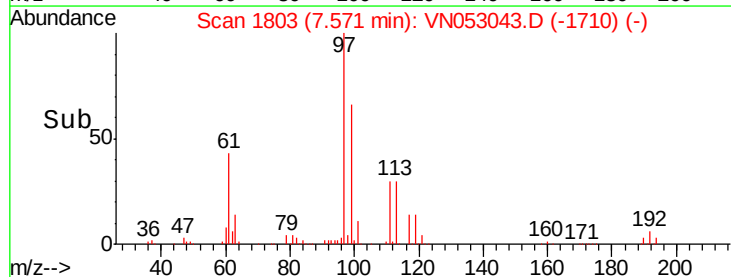
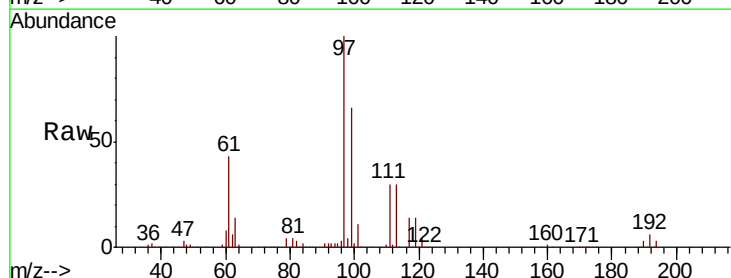
Tgt Ion: 97 Resp: 815019

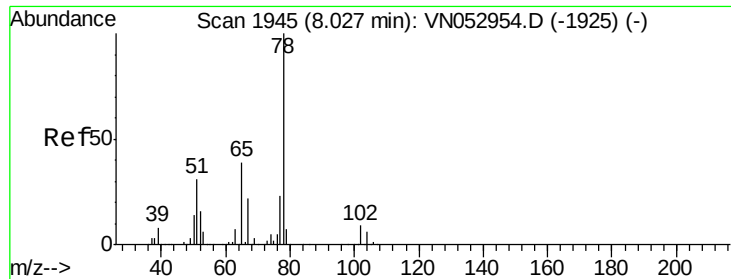
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 42.9 35.0 52.6





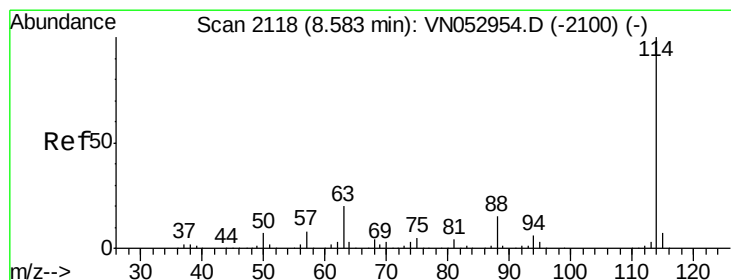
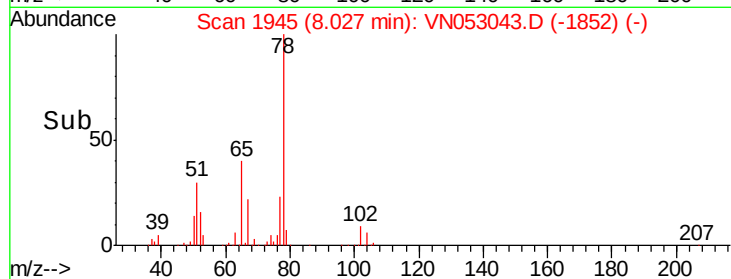
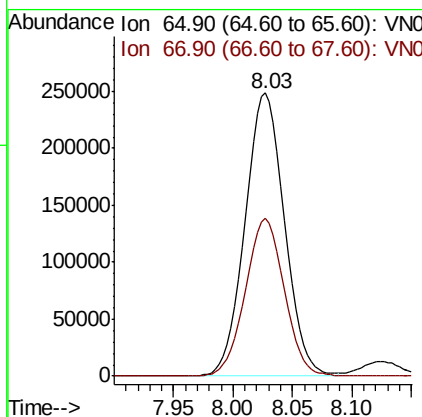
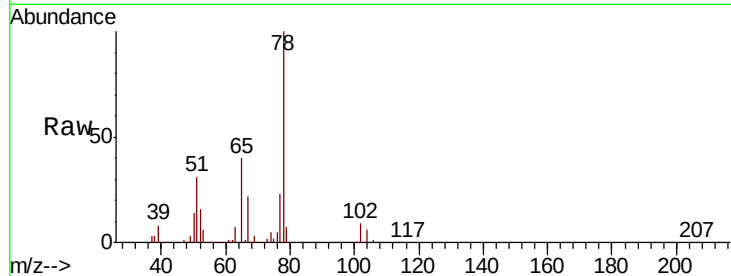
#33
 1,2-Dichloroethane-d4
 Concen: 48.132 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 570369
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4

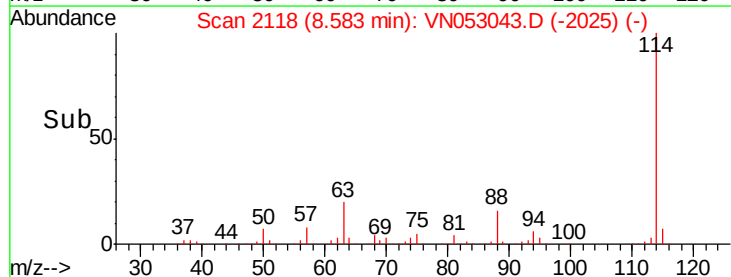
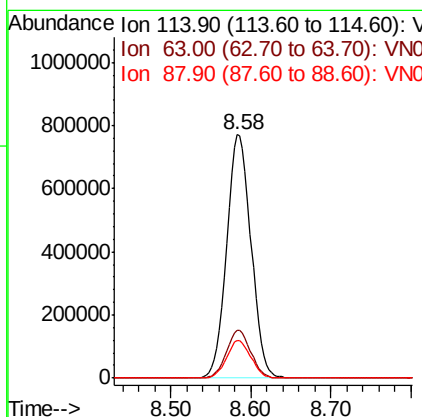
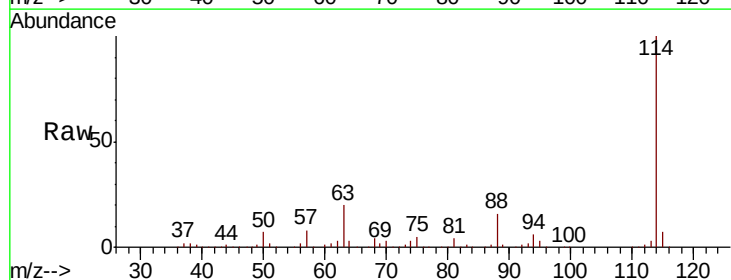
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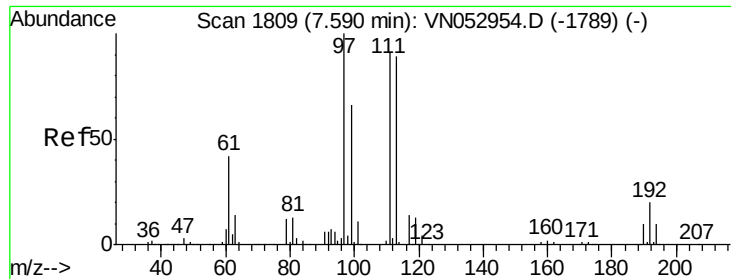
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 114 Resp: 1600267
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.6 0.0 31.0





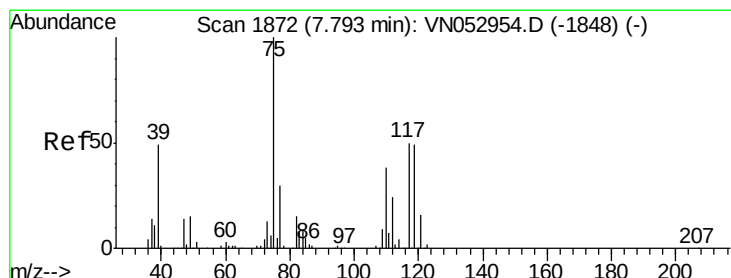
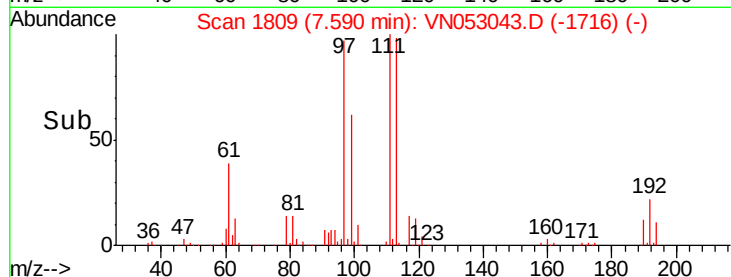
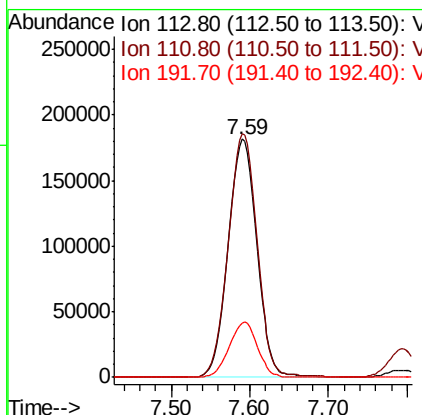
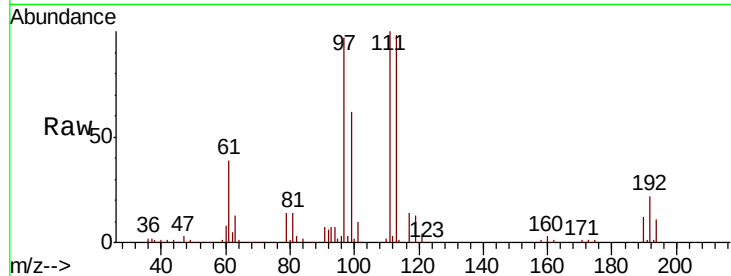
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	460937		
111	102.3	83.0	124.4	
192	22.7	17.5	26.3	

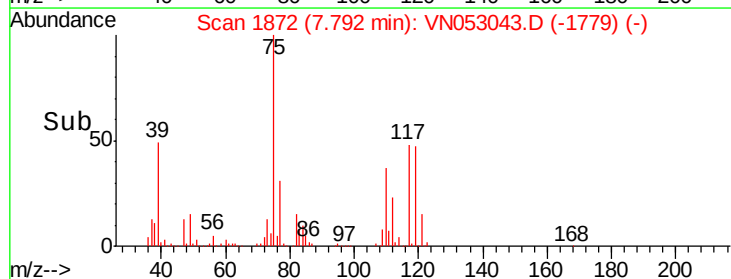
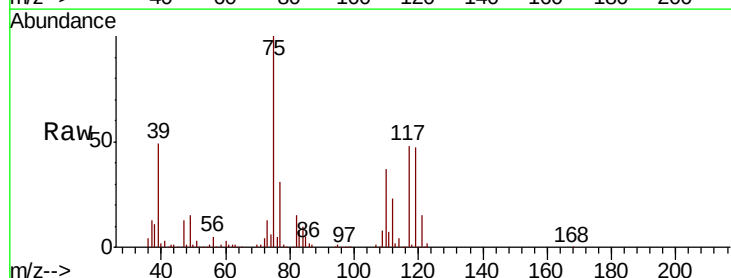
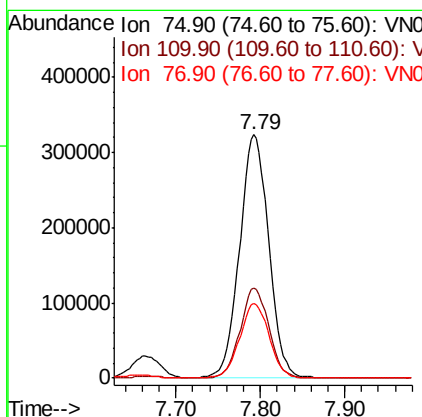
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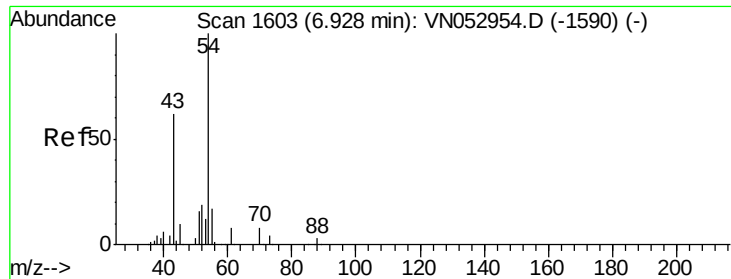
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#36
1,1-Dichloropropene
Concen: 50.574 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	776812		
110	36.6	18.2	54.6	
77	31.4	24.9	37.3	





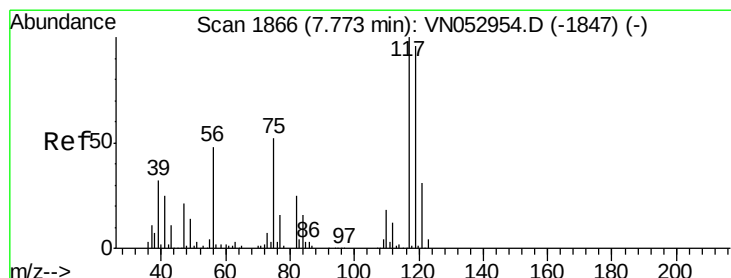
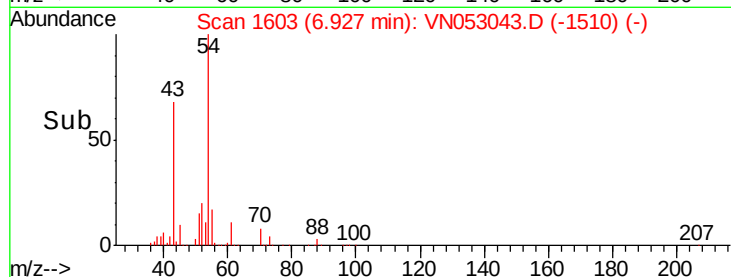
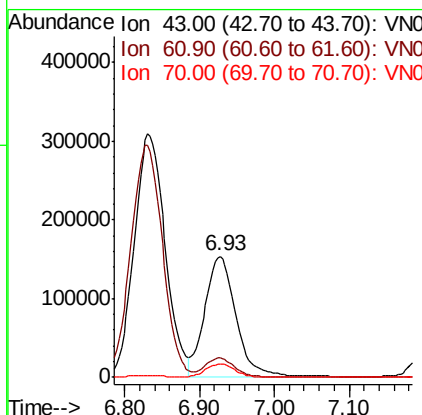
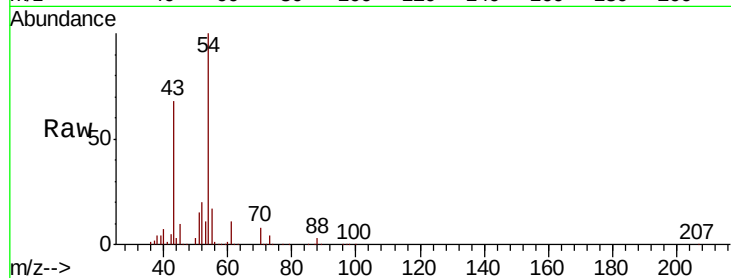
#37
Ethyl Acetate
Concen: 51.600 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	10.8	8.4	12.6

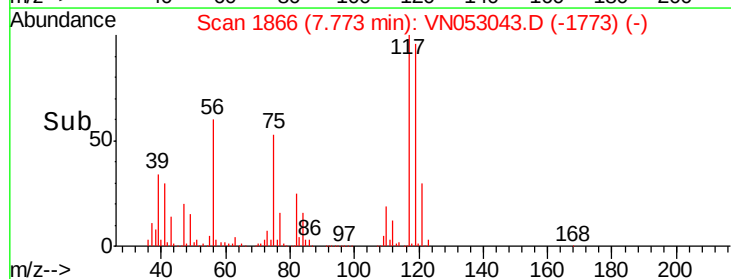
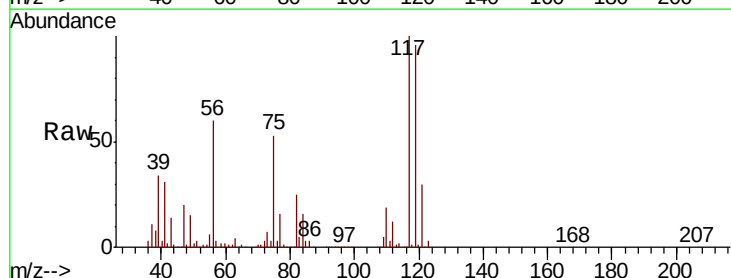
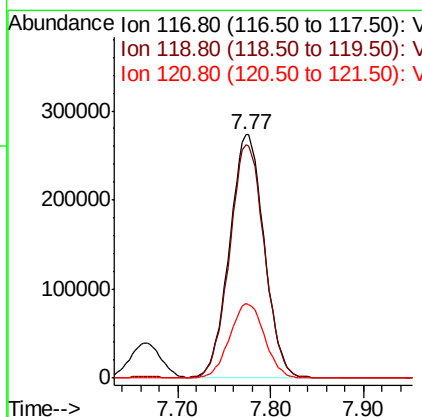
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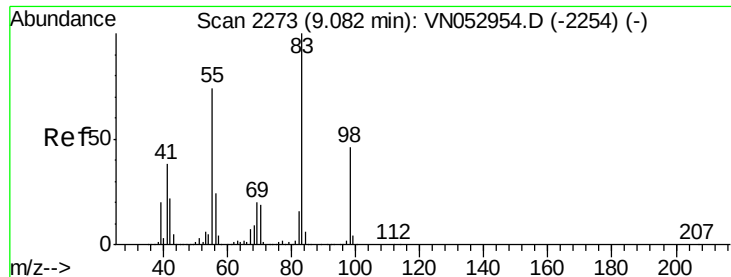
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.093 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.1	115.7
121	30.5	24.9	37.3





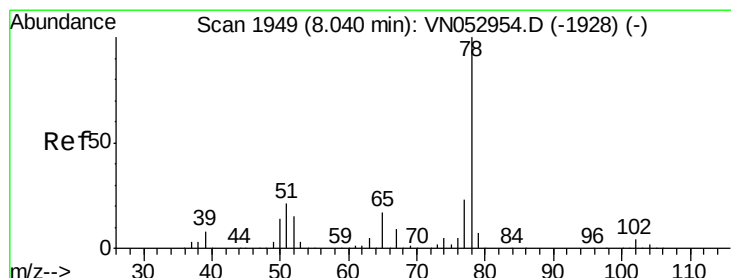
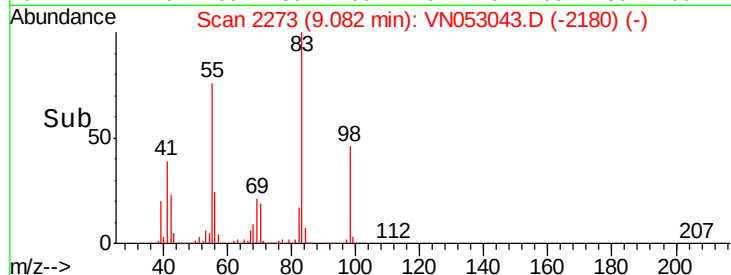
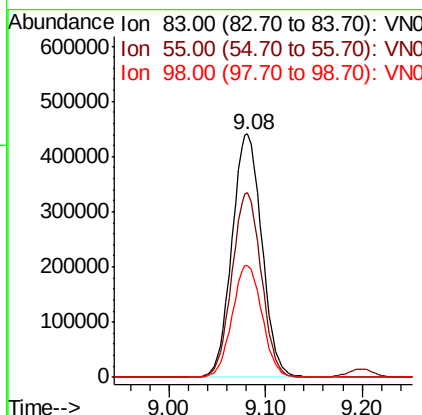
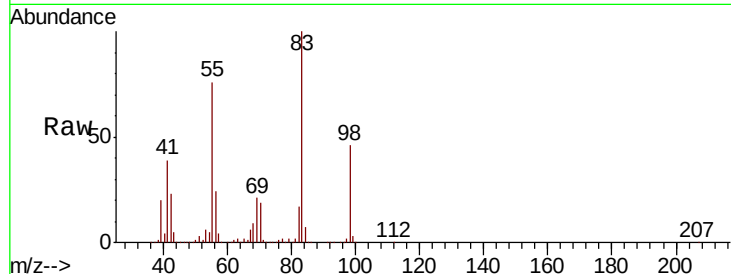
#39
Methylvlcyclohexane
Concen: 50.654 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.3	91.9
98	46.1	37.0	55.4

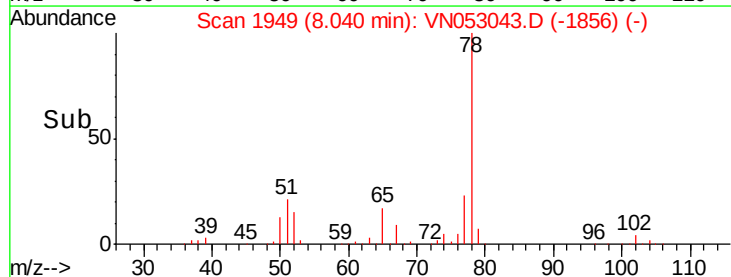
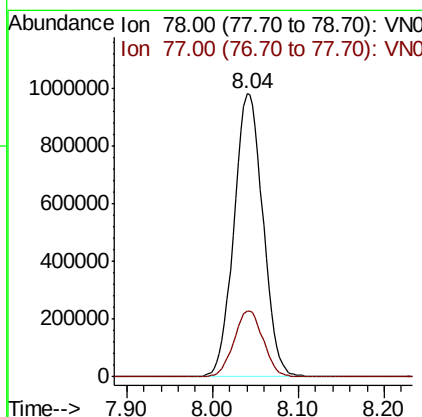
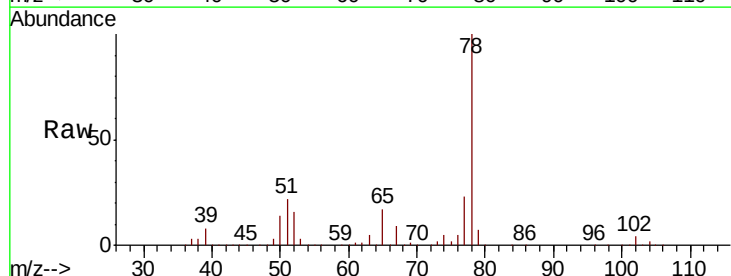
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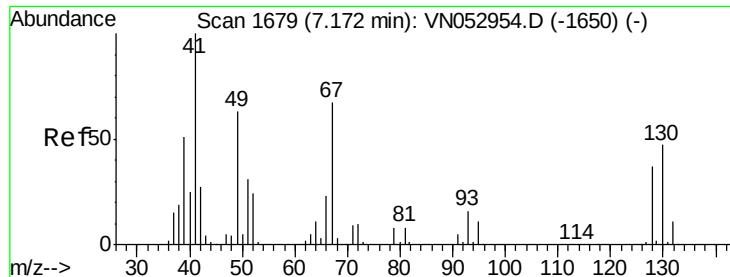
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#40
Benzene
Concen: 50.404 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





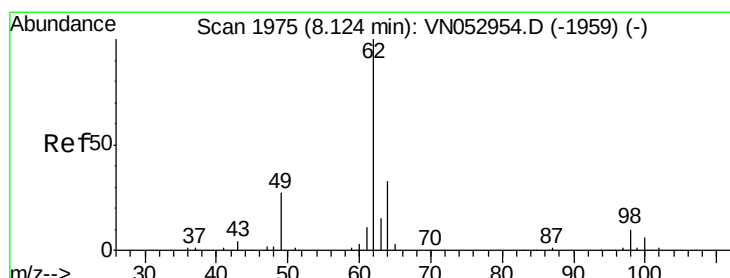
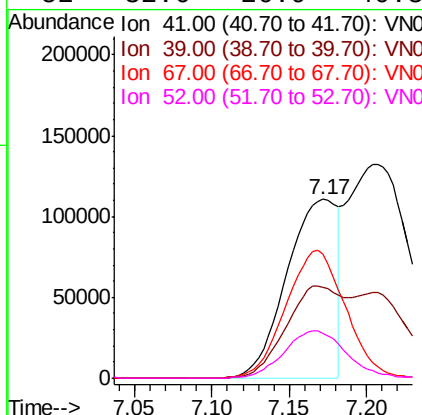
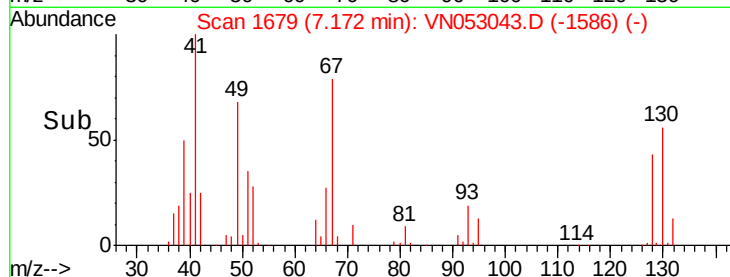
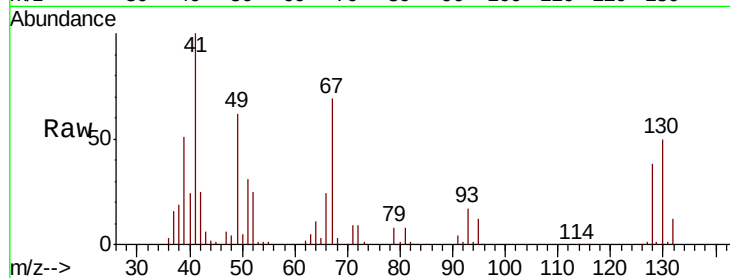
#41
Methacrylonitrile
Concen: 50.345 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	249423
Ion Ratio	Lower	Upper	
41	100		
39	62.7	48.0	72.0
67	84.9	70.3	105.5
52	32.6	26.9	40.3

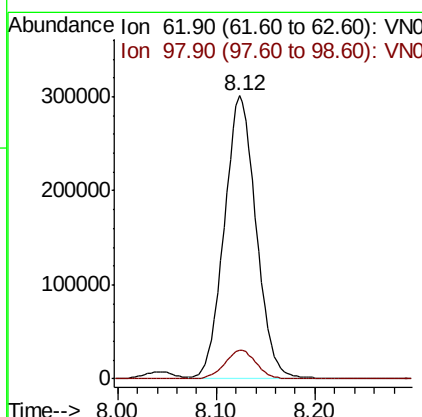
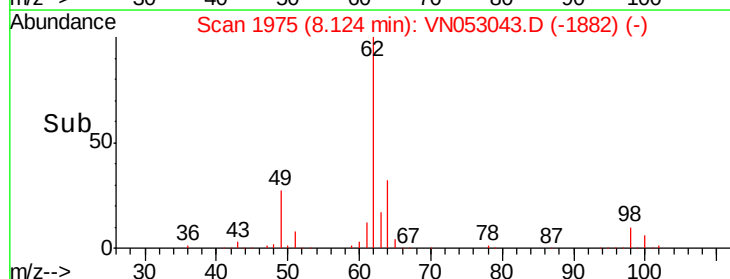
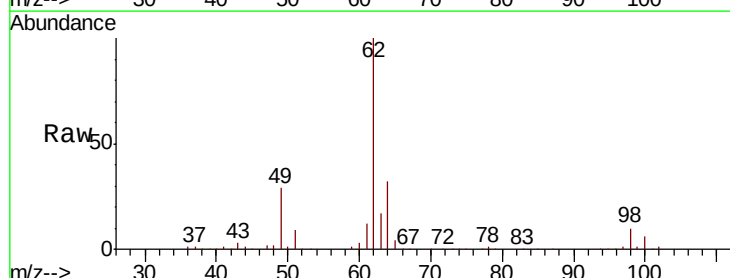
Manual Integrations
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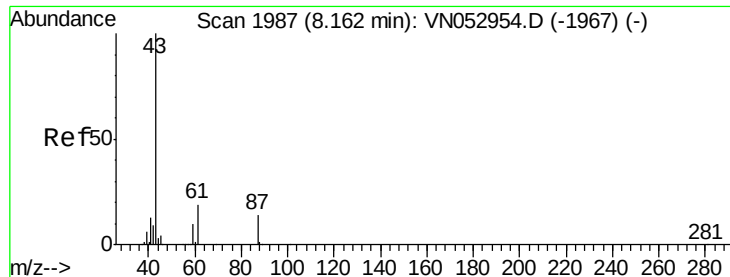
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#42
1,2-Dichloroethane
Concen: 50.149 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	62	Resp	676853
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 49.146 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

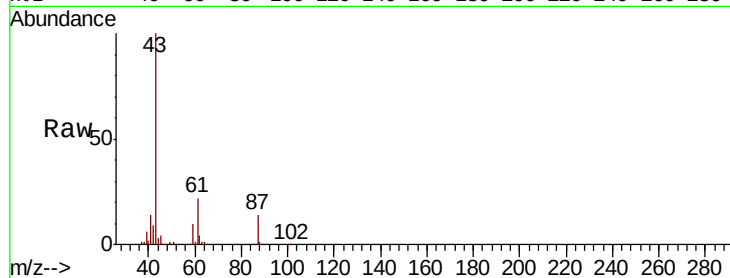
ClientSampleId :

VSTDCCC050

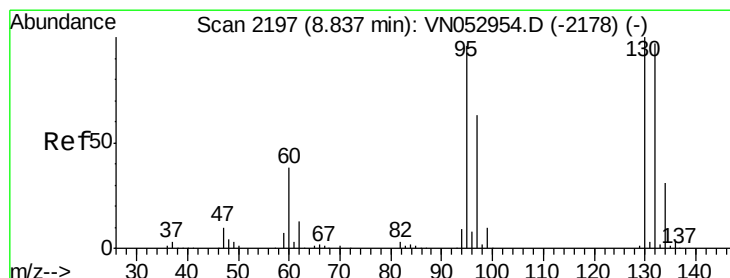
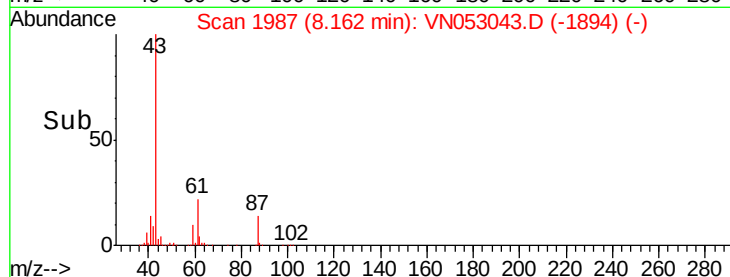
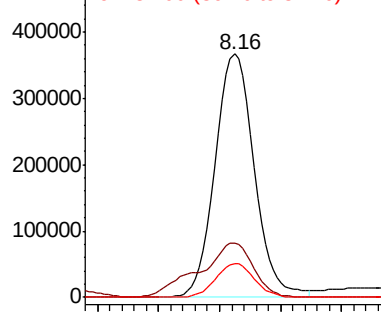
Tot Ion:	43	Resp:	815788
Ion	Ratio	Lower	Upper
43	100		
61	30.4	22.9	34.3
87	13.6	10.6	15.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN053043.D (-1894) (-)



#44

Trichloroethene

Concen: 49.605 ug/l

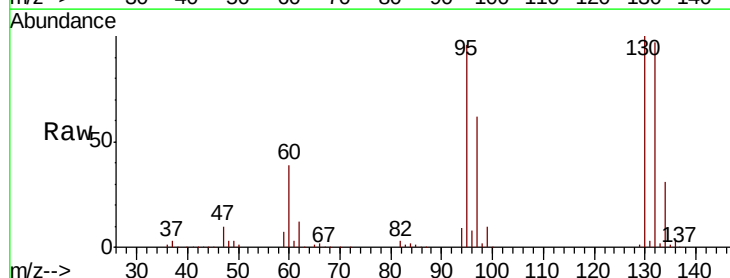
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

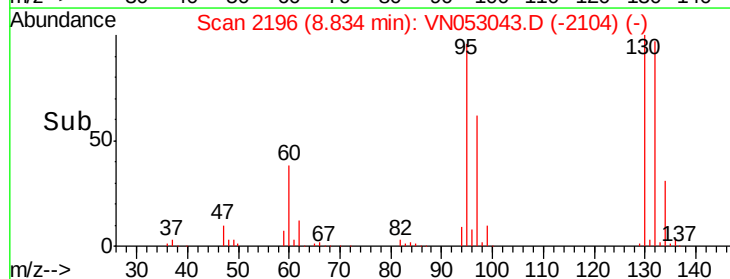
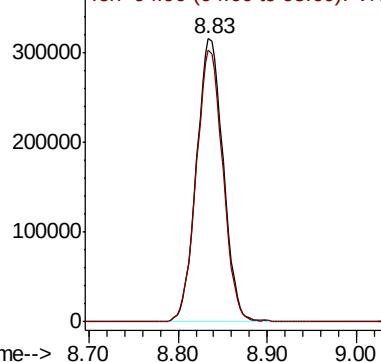
Lab File: VN053043.D

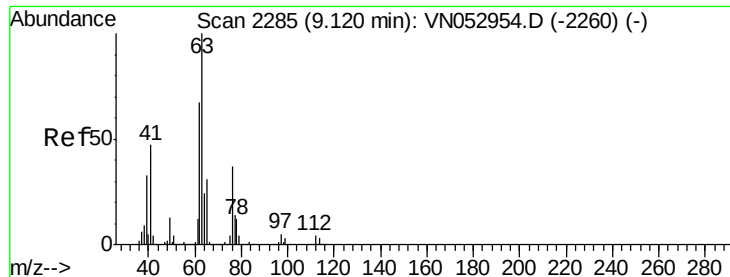
Acq: 20 Dec 2018 9:08

Tgt Ion:	130	Resp:	655516
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053043.D (-2104) (-)





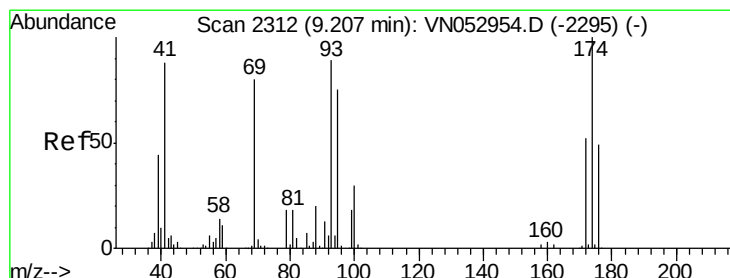
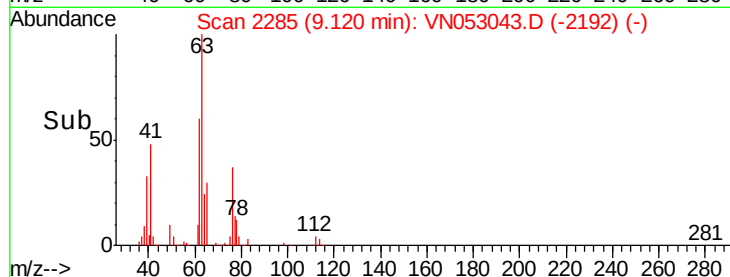
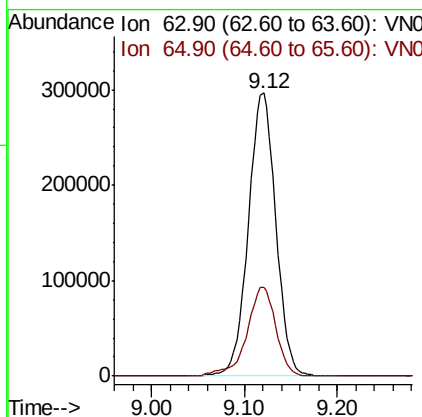
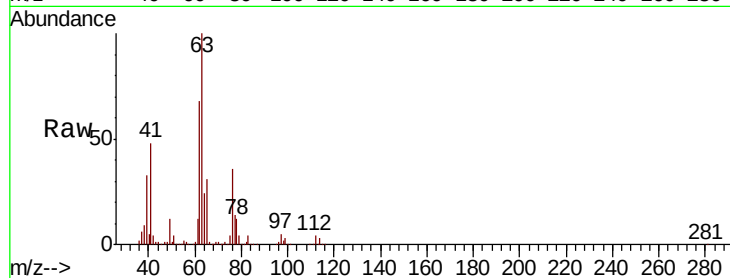
#45
 1,2-Dichloropropane
 Concen: 51.226 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 609600
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0

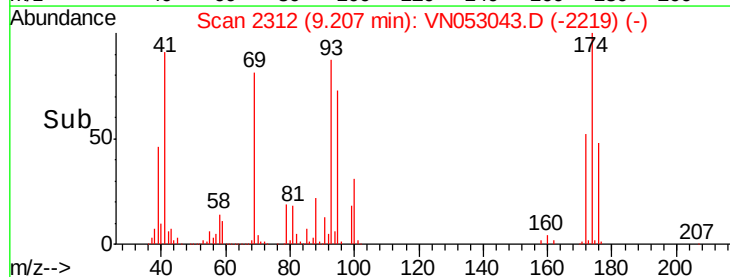
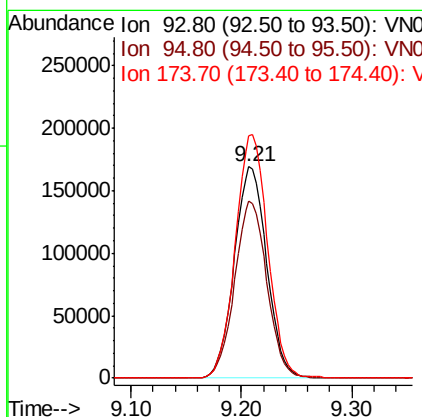
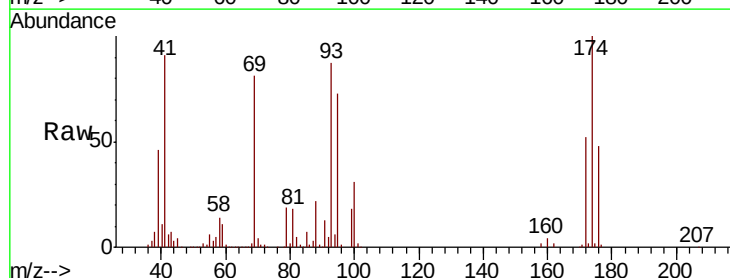
Manual Integrations
 APPROVED

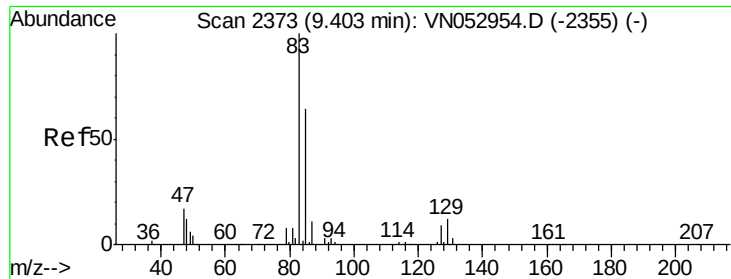
MMDadoda
 12/21/2018 9:20:36 AM



#46
 Dibromomethane
 Concen: 49.828 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 93 Resp: 345428
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.8 101.6
 174 114.8 89.0 133.4





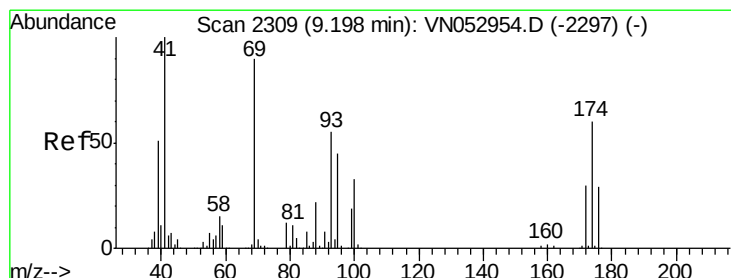
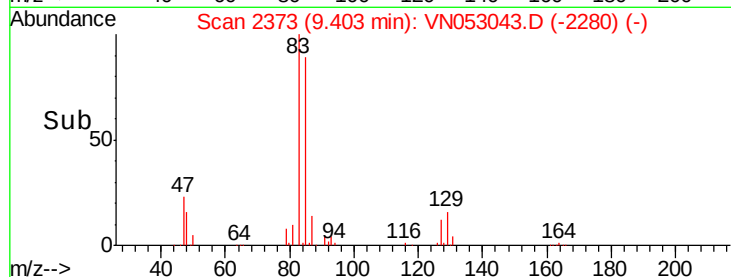
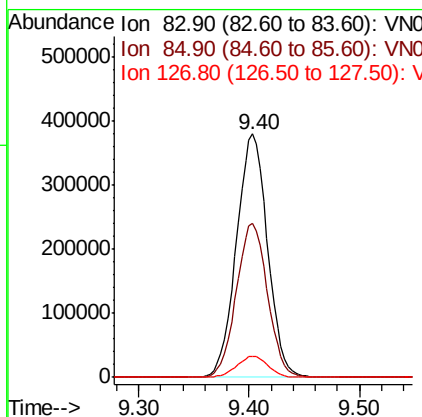
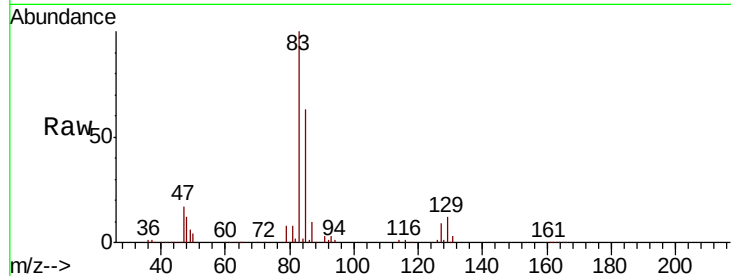
#47
Bromodichloromethane
Concen: 50.376 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.6	77.4
127	8.7	7.1	10.7

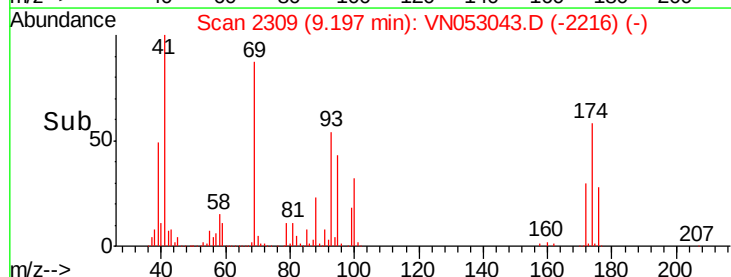
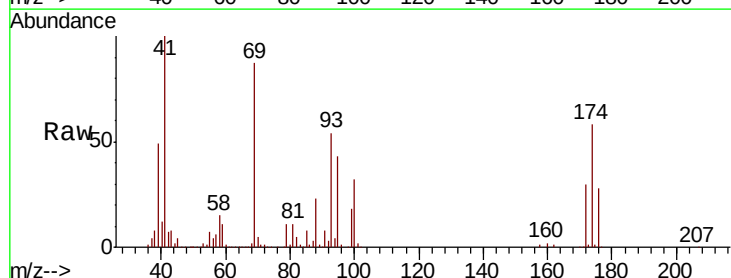
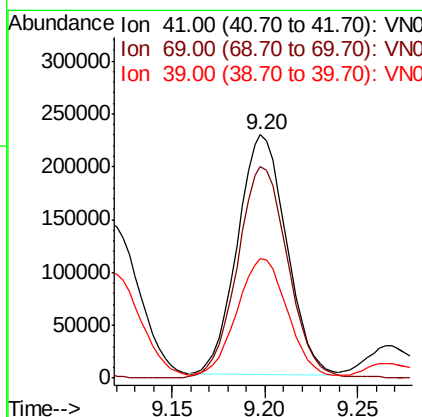
Manual Integrations
APPROVED

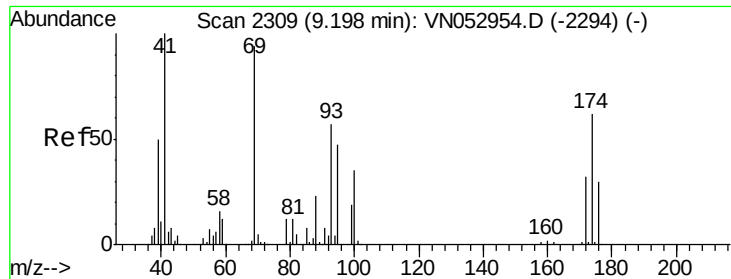
MMDadoda
12/21/2018 9:20:36 AM



#48
Methyl methacrylate
Concen: 49.914 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.9	72.2	108.2
39	52.2	41.9	62.9





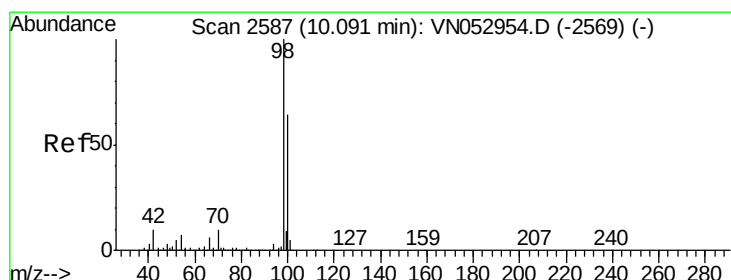
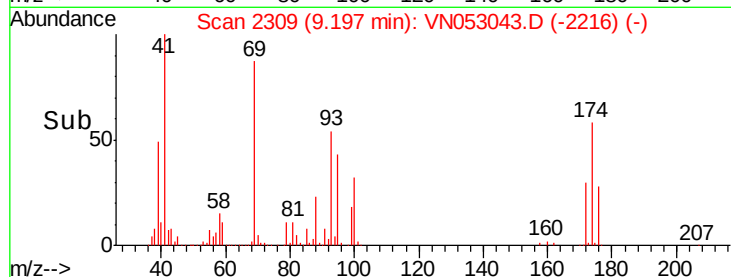
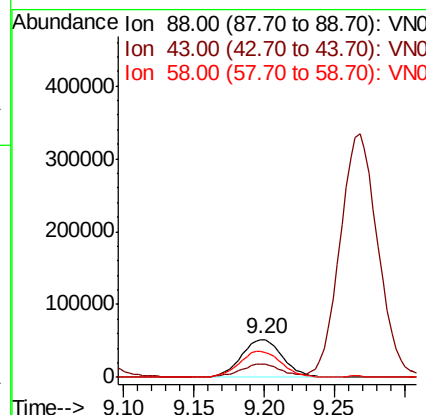
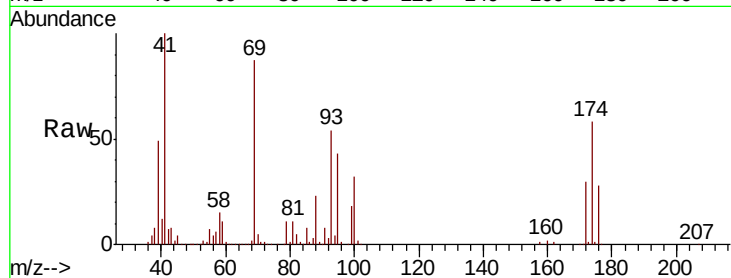
#49
 1,4-Dioxane
 Concen: 1023.999 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.6	40.0
58	68.7	58.4	87.6

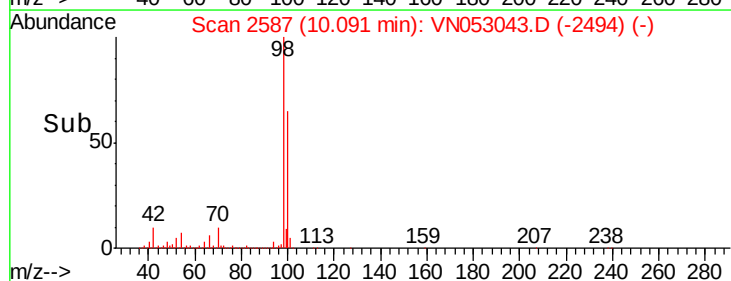
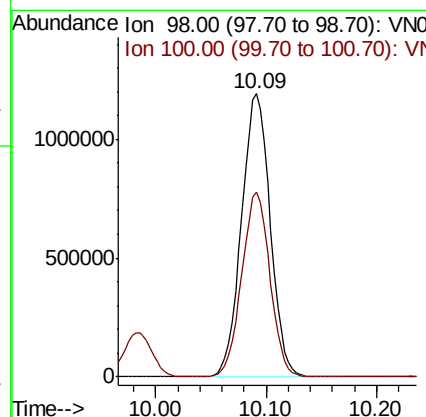
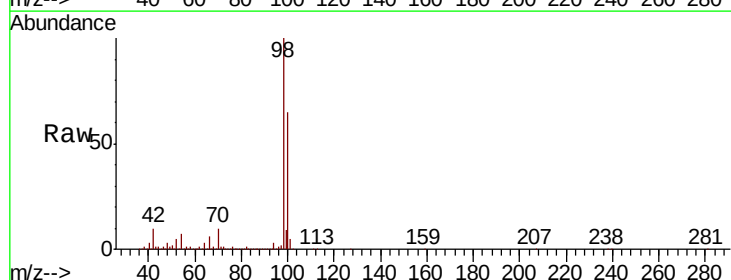
Manual Integrations
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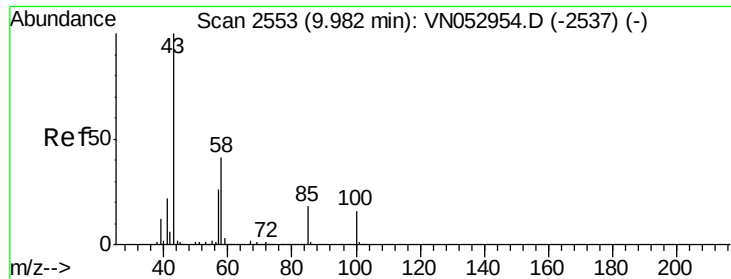
MMDadoda
 12/21/2018 9:20:36 AM



#50
 Toluene-d8
 Concen: 1023.999 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 257.862 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2141240

Ion Ratio Lower Upper

43 100

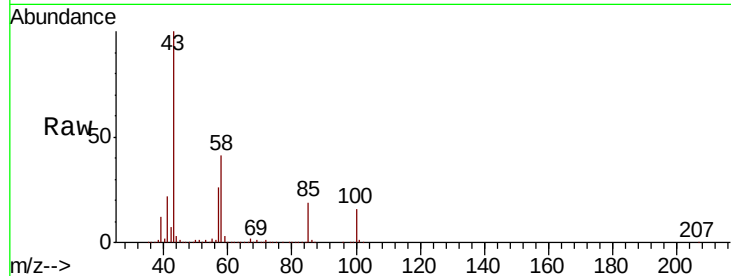
58 41.0 32.2 48.4

Manual Integrations

APPROVED

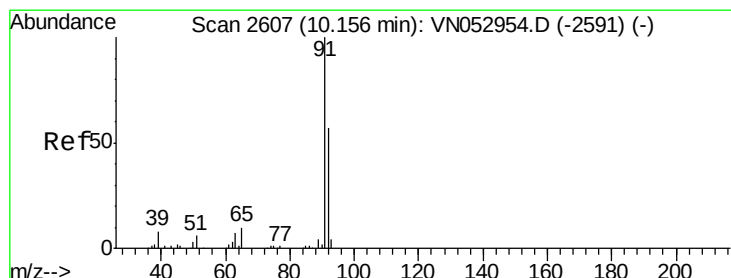
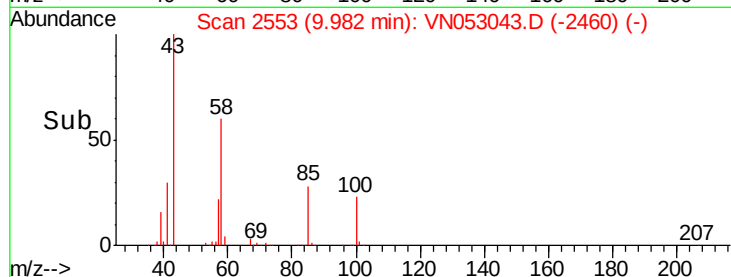
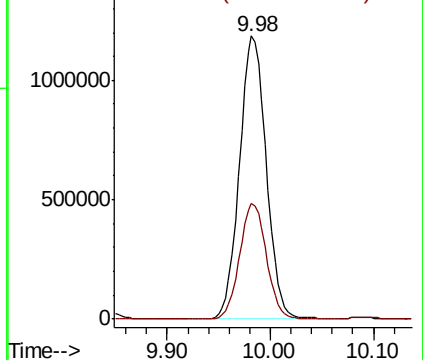
MMDadoda

12/21/2018 9:20:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.584 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053043.D

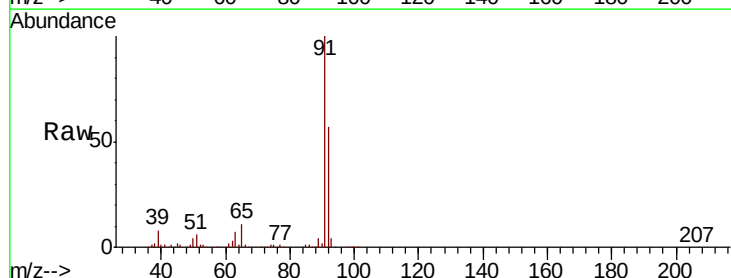
Acq: 20 Dec 2018 9:08

Tgt Ion: 92 Resp: 1460763

Ion Ratio Lower Upper

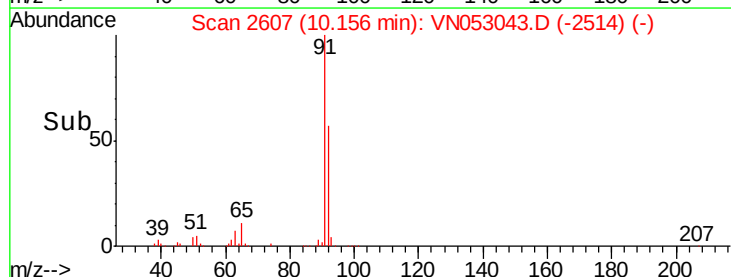
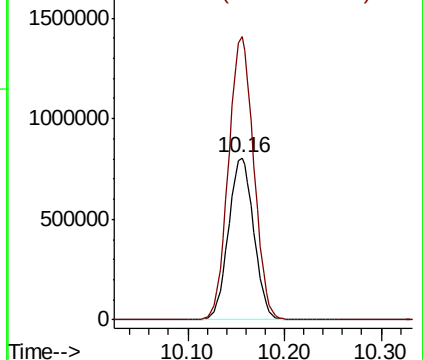
92 100

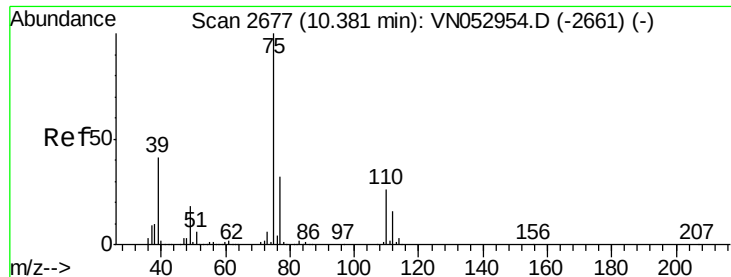
91 174.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





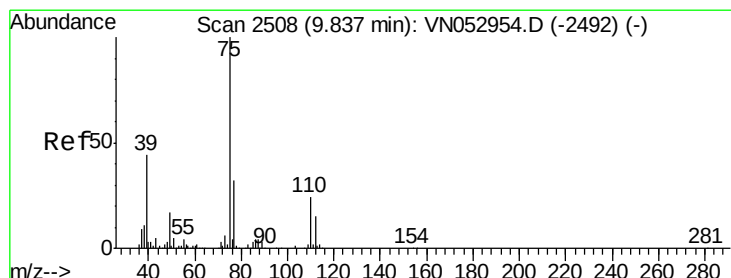
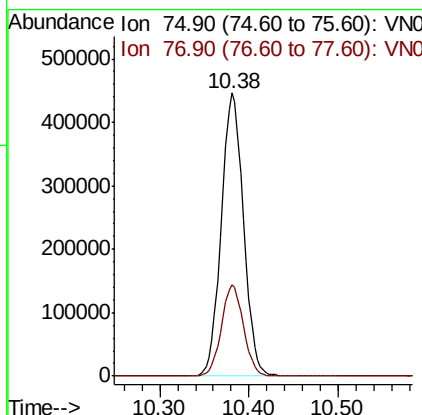
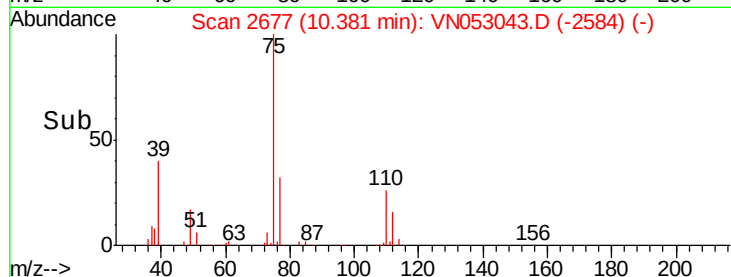
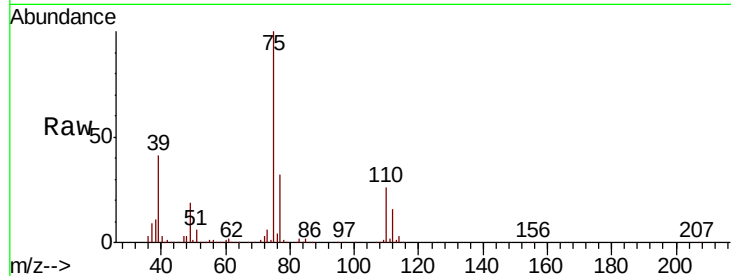
#53
t-1,3-Dichloropropene
Concen: 49.615 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4

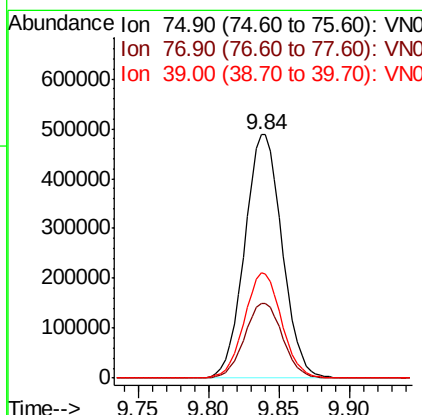
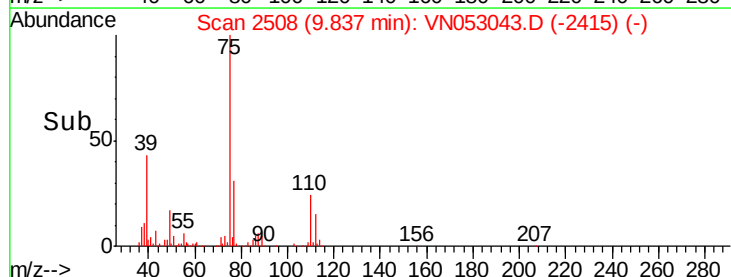
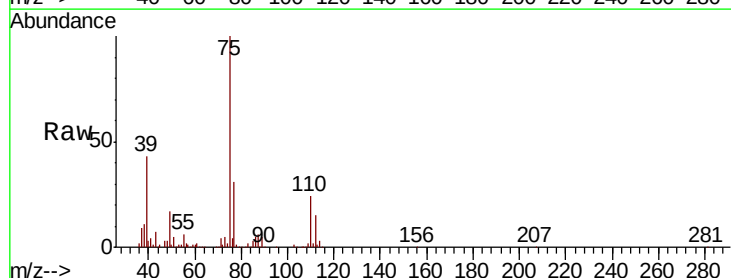
Manual Integrations
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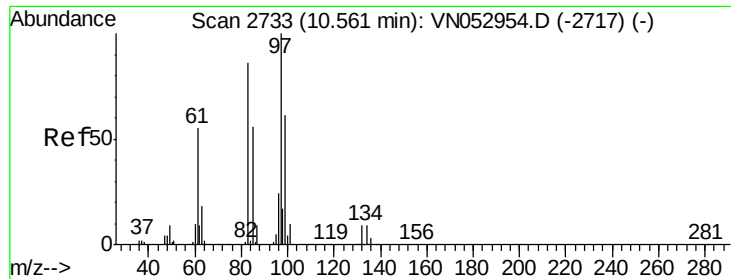
MMDadoda
12/21/2018 9:20:36 AM



#54
cis-1,3-Dichloropropene
Concen: 50.965 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.8
39	43.1	34.8	52.2





#55

1,1,2-Trichloroethane

Concen: 50.710 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

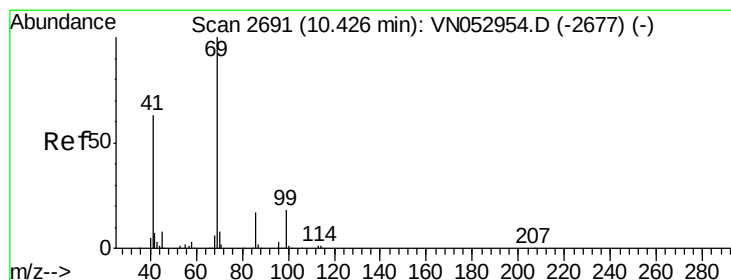
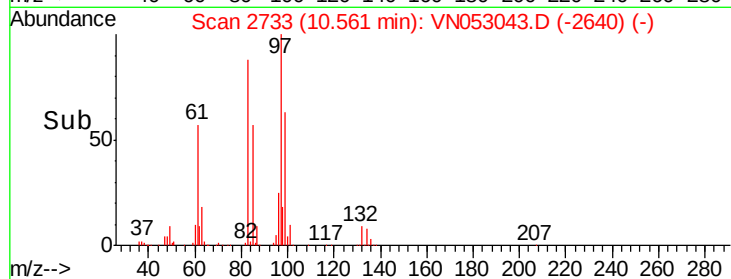
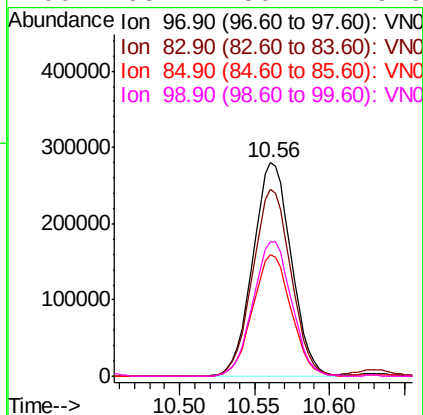
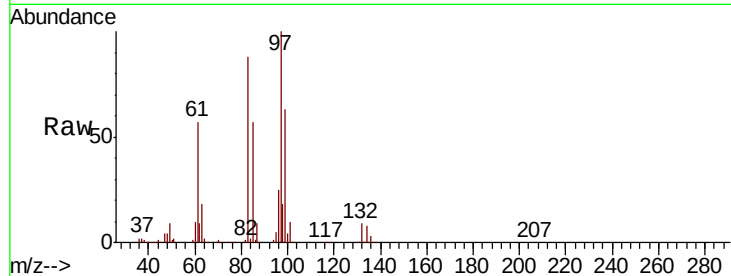
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	500987
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.9	106.3
85	57.0	45.4	68.2
99	63.2	50.4	75.6

Manual Integrations
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MMDadoda
12/21/2018 9:20:36 AM



#56

Ethyl methacrylate

Concen: 51.118 ug/l

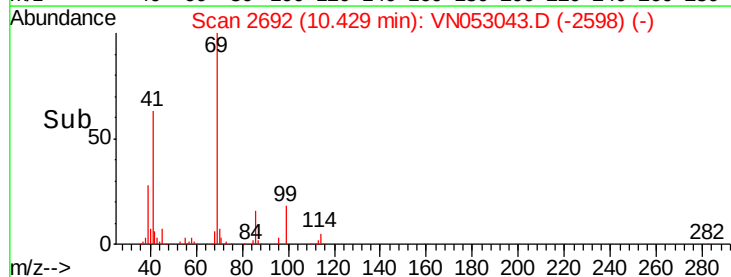
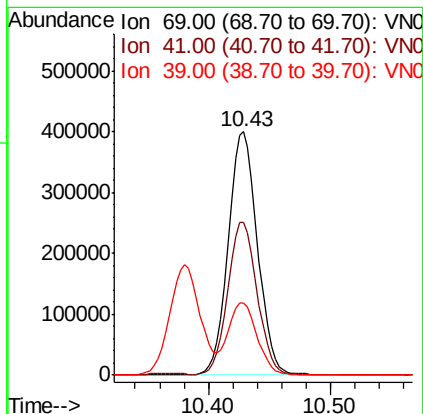
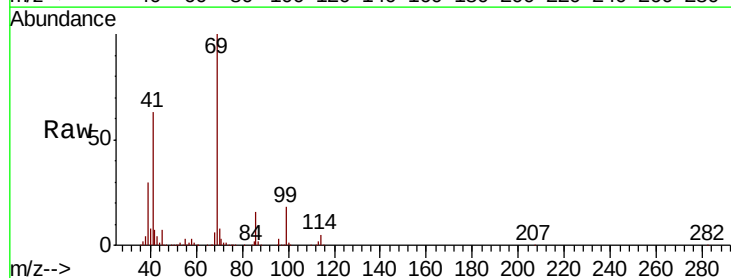
RT: 10.43 min Scan# 2692

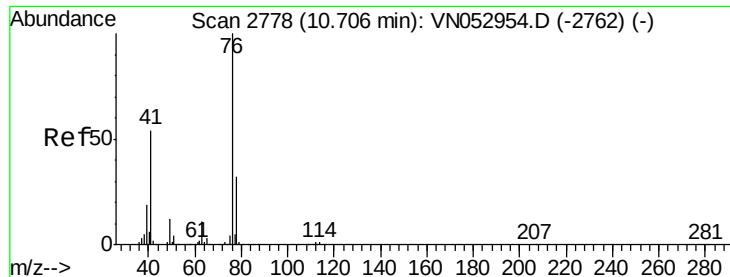
Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion:	69	Resp:	668438
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.7	77.5
39	29.9	24.6	37.0





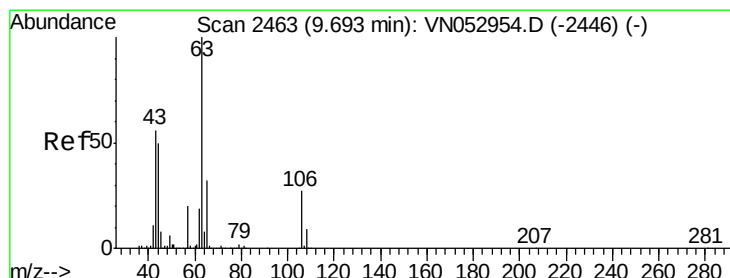
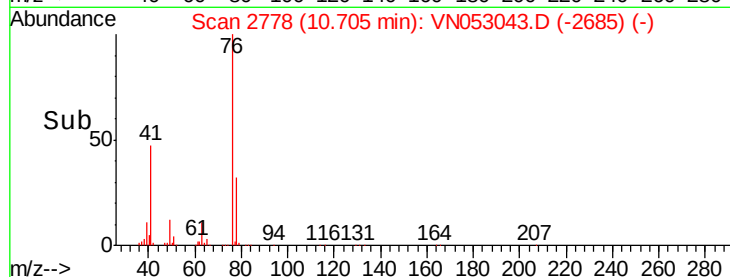
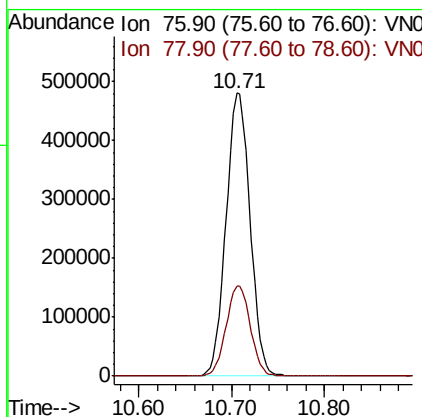
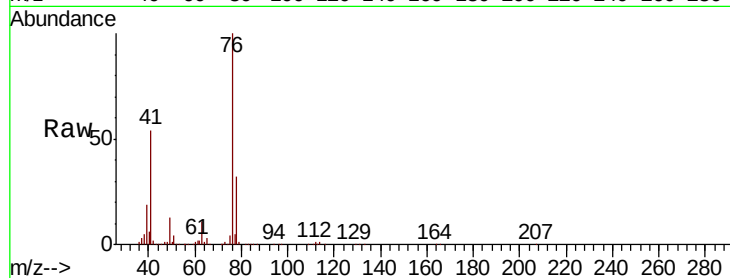
#57
 1,3-Dichloropropane
 Concen: 51.005 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 864093
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

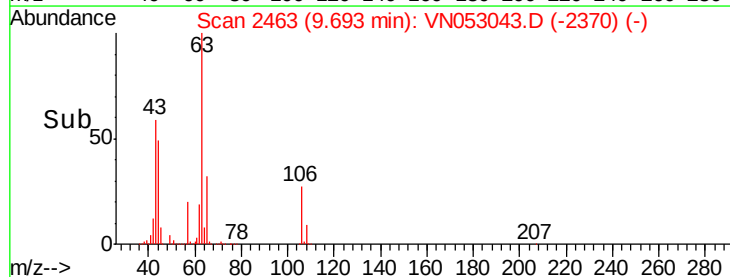
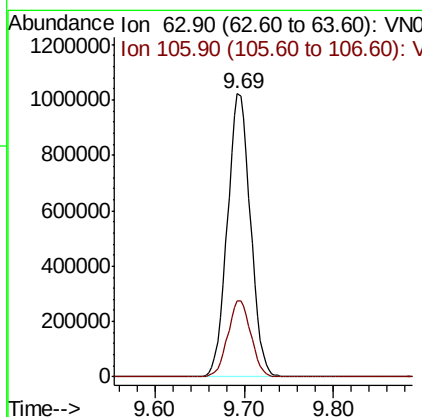
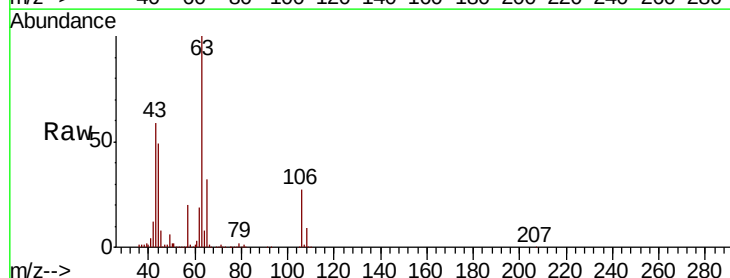
Manual Integrations
 APPROVED

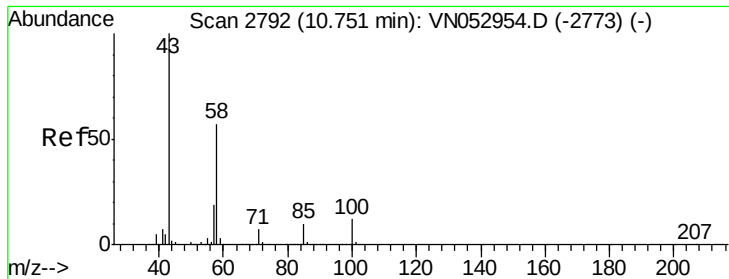
MMDadoda
 12/21/2018 9:20:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.465 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion: 63 Resp: 1826765
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.0 31.6





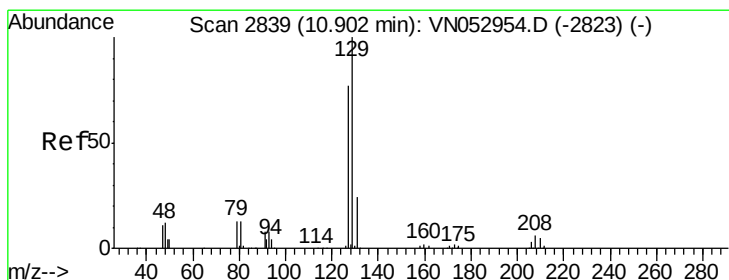
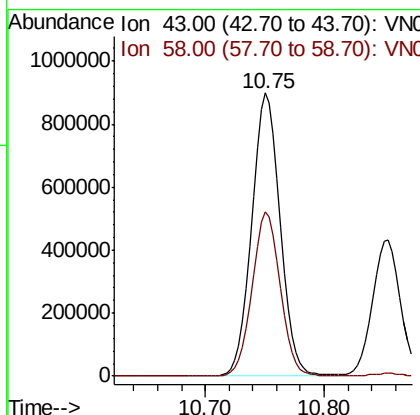
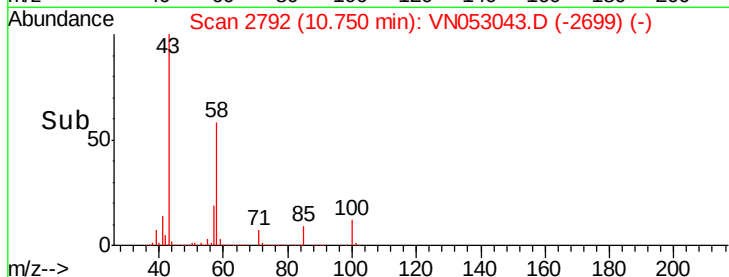
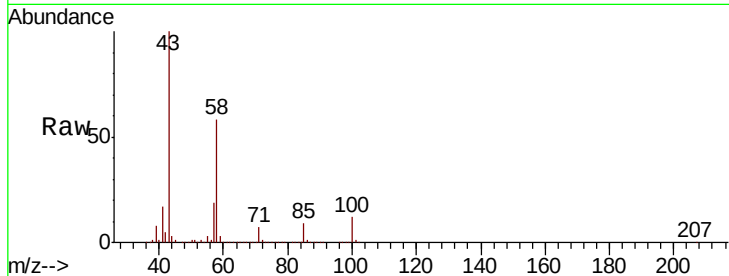
#59
2-Hexanone
Concen: 263.947 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1482913
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.3

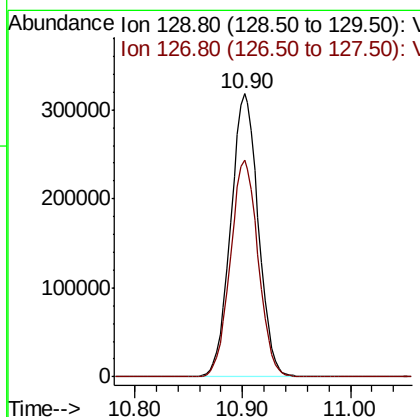
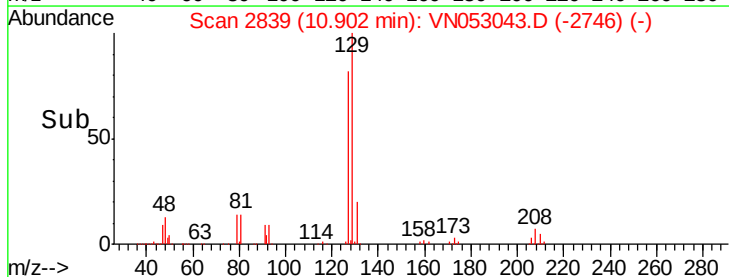
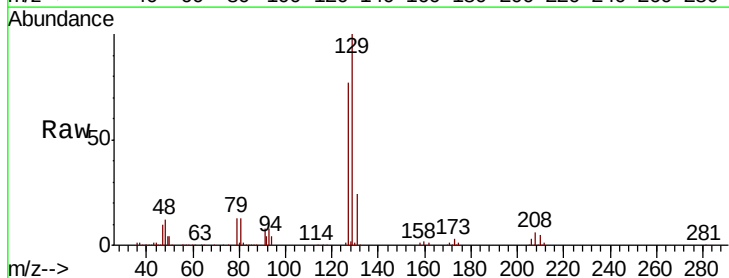
Manual Integrations
APPROVED

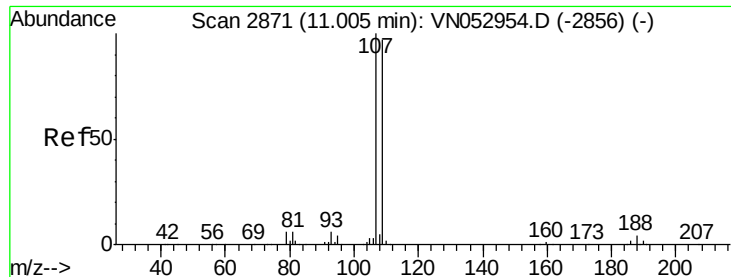
MMDadoda
12/21/2018 9:20:36 AM



#60
Dibromochloromethane
Concen: 50.107 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 129 Resp: 566641
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





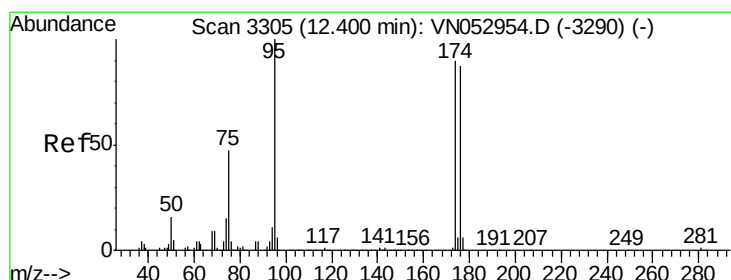
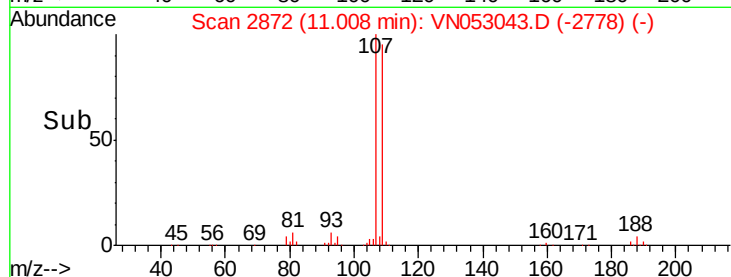
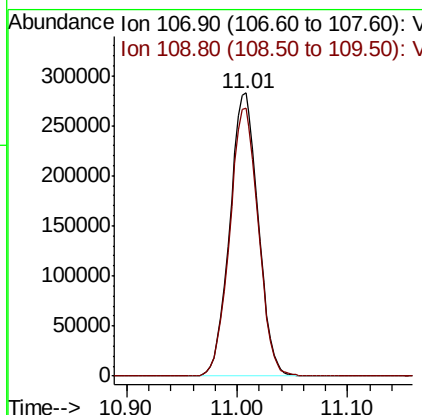
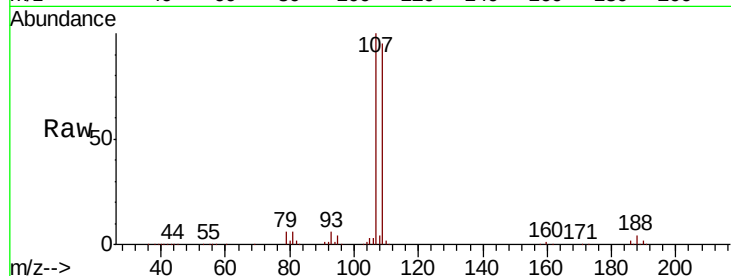
#61
1,2-Dibromoethane
Concen: 50.404 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 107 Resp: 505735
Ion Ratio Lower Upper
107 100
109 95.3 75.4 113.0

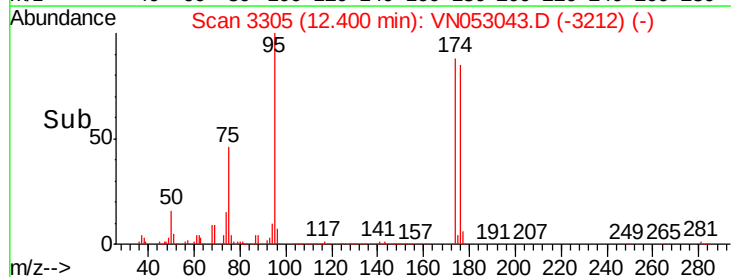
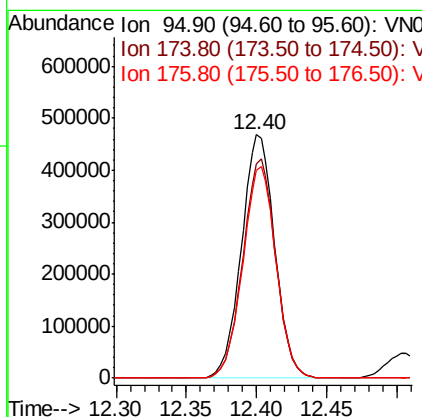
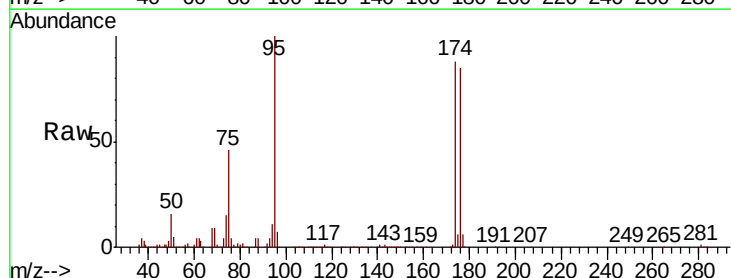
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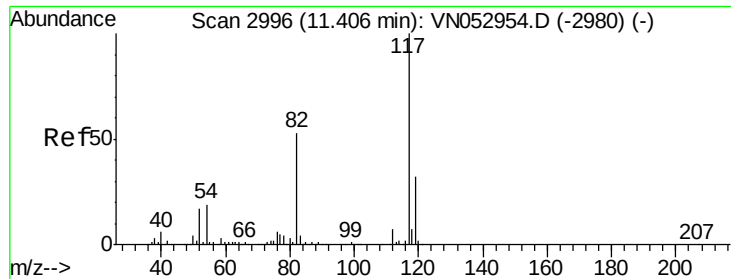
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 50.404 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion: 95 Resp: 770792
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.8
176 86.9 0.0 173.8





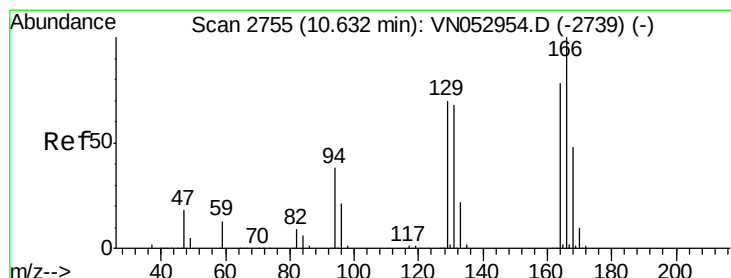
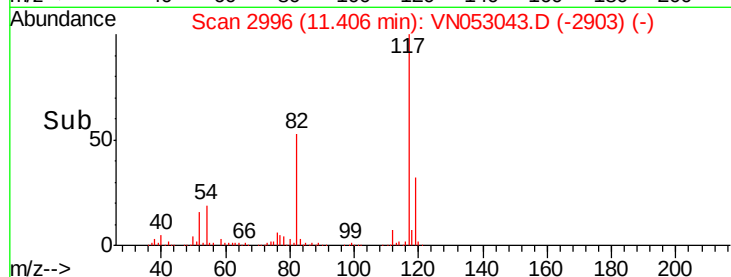
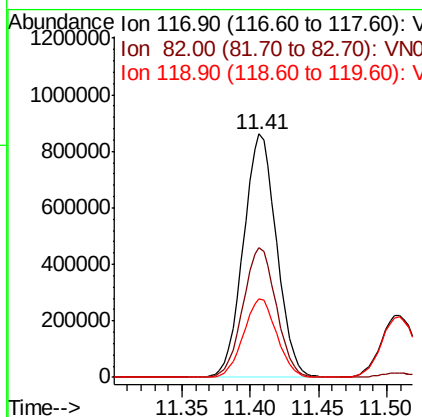
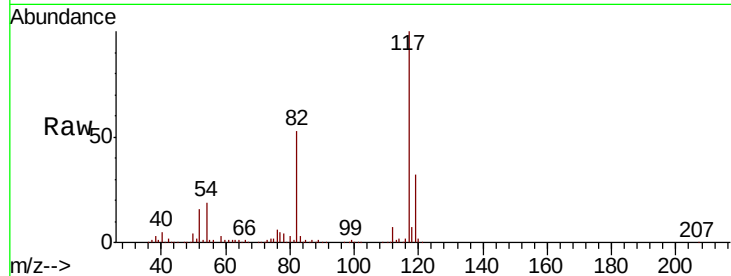
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	32.3	25.5	38.3

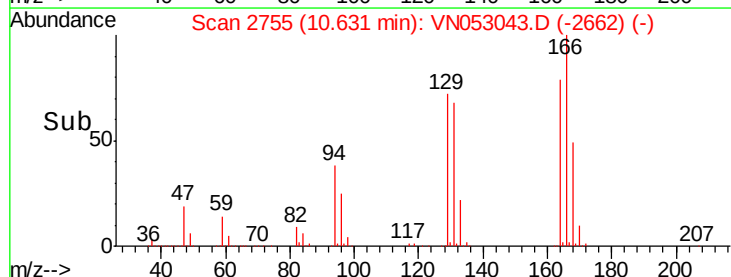
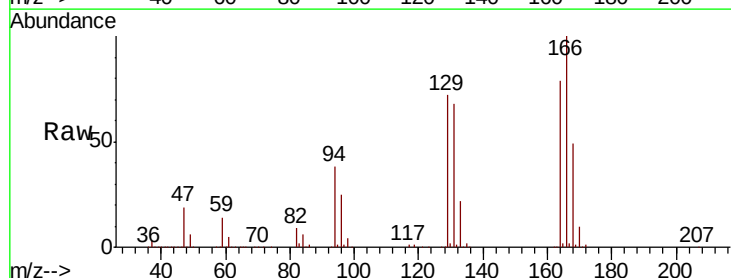
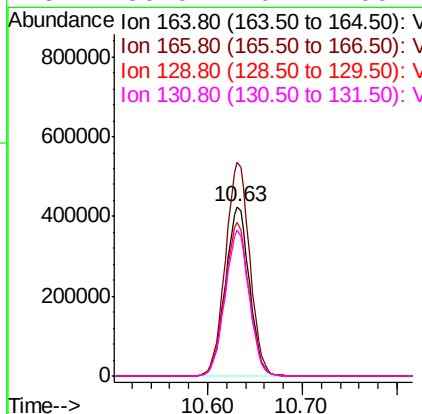
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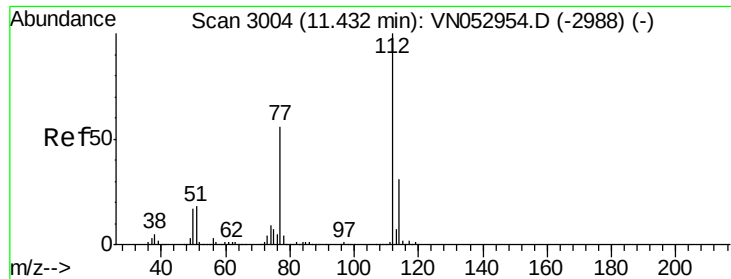
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#64
Tetrachloroethene
Concen: 47.377 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.9	154.3
129	90.6	73.7	110.5
131	86.0	70.7	106.1





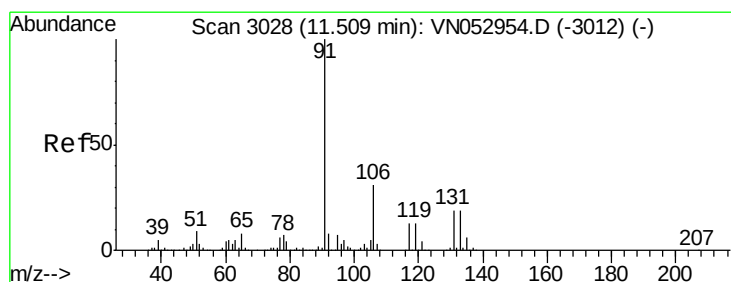
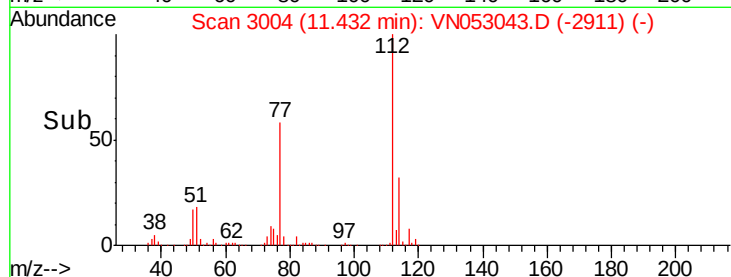
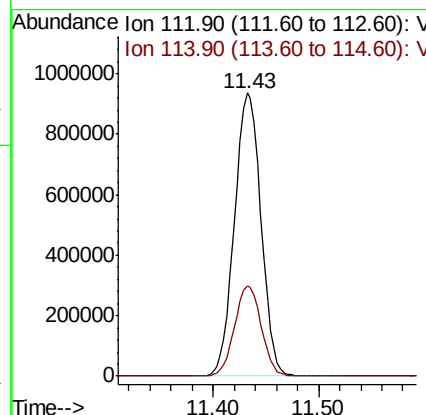
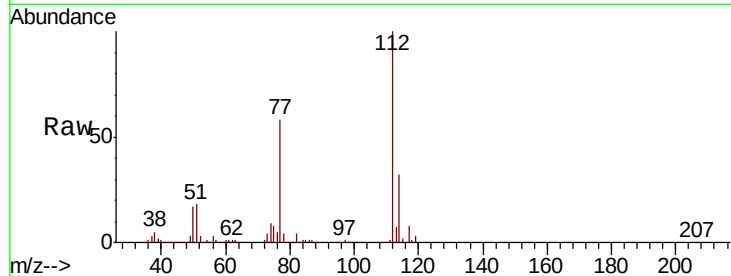
#65
Chlorobenzene
Concen: 50.570 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1628816
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

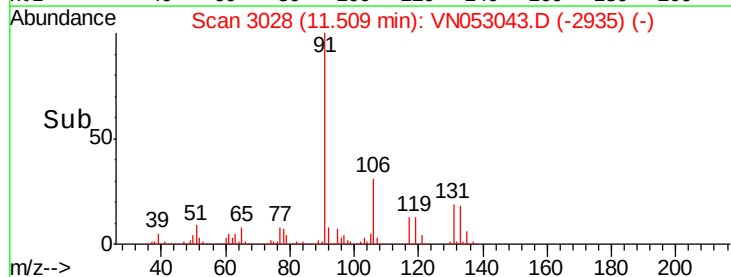
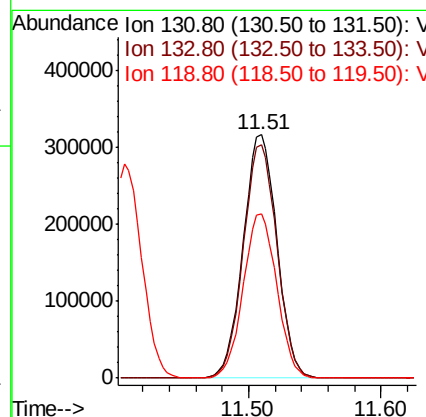
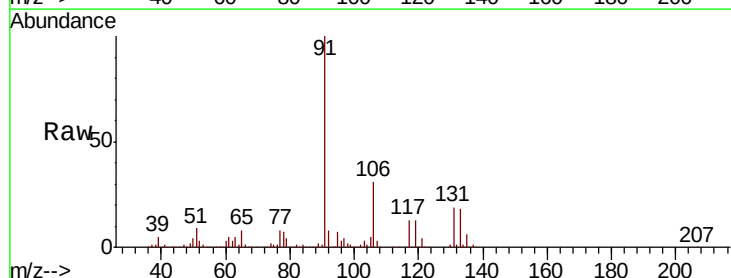
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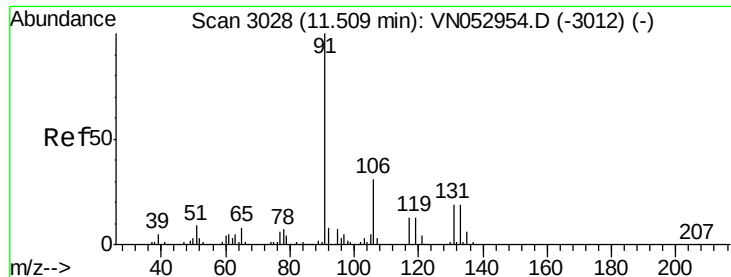
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.974 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion:131 Resp: 559744
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 67.2 33.3 99.8





#67

Ethyl Benzene

Concen: 51.147 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2833110

Ion Ratio Lower Upper

91 100

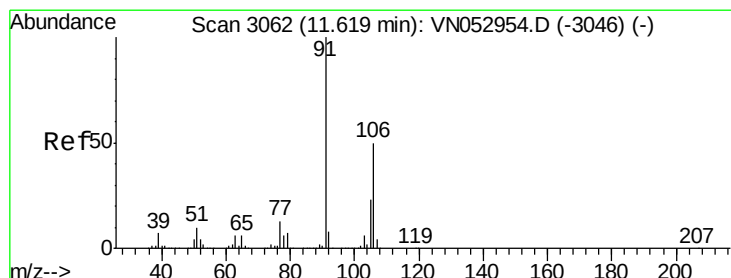
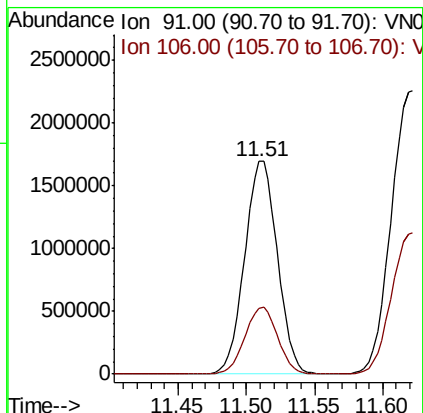
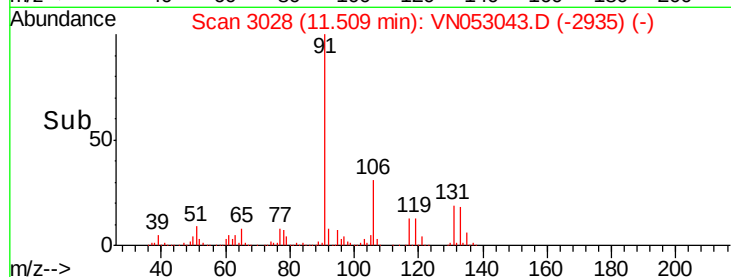
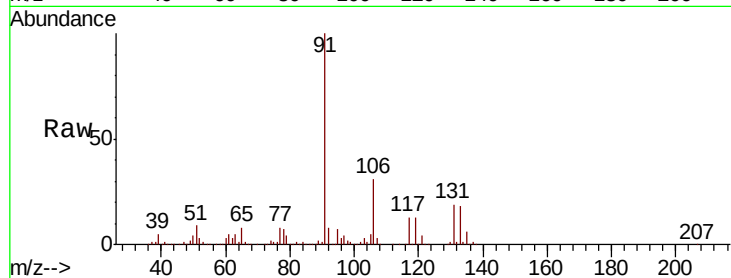
106 31.2 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.562 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053043.D

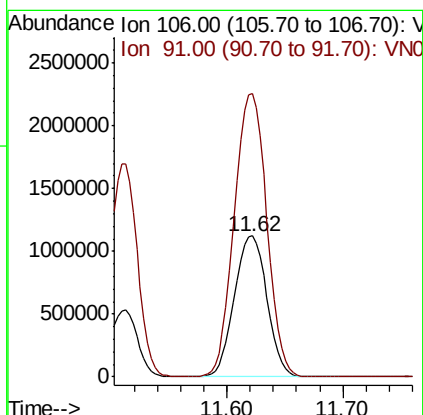
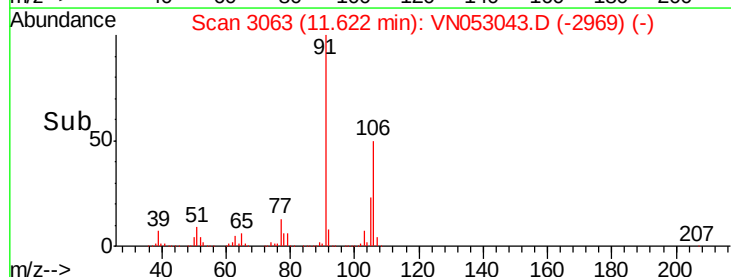
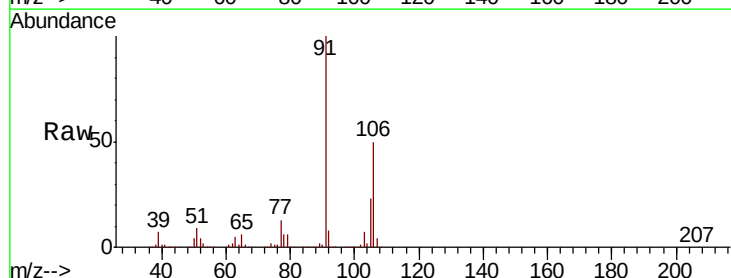
Acq: 20 Dec 2018 9:08

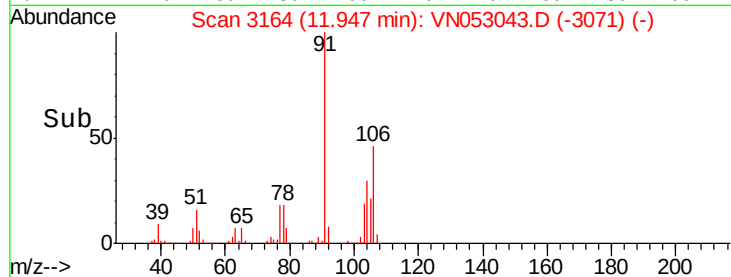
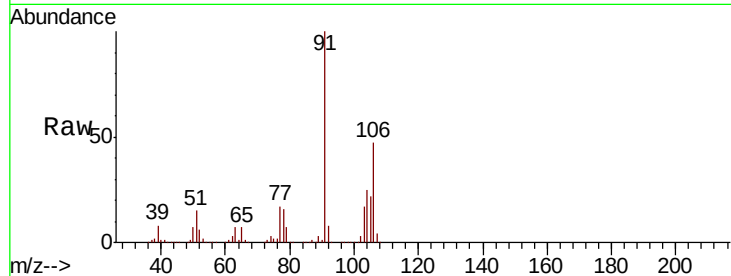
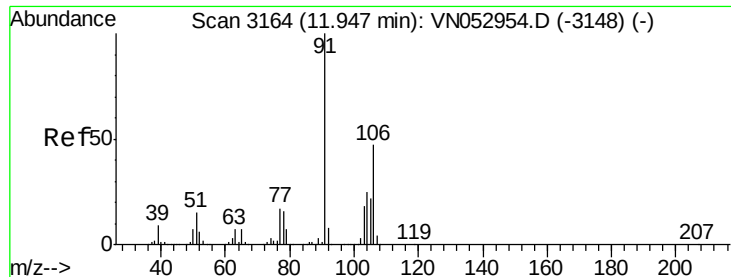
Tgt Ion: 106 Resp: 2180756

Ion Ratio Lower Upper

106 100

91 201.2 162.2 243.4





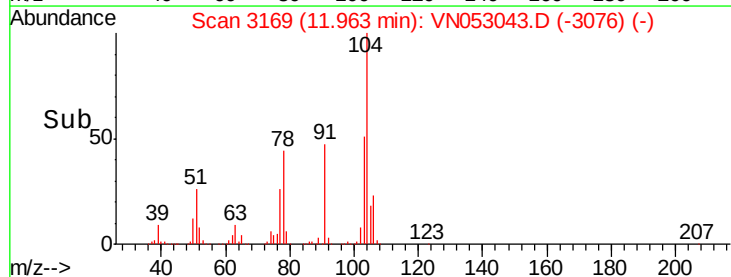
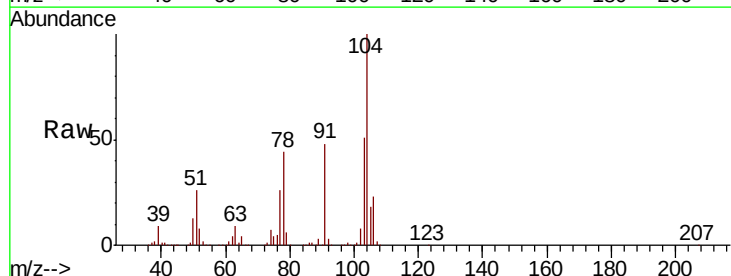
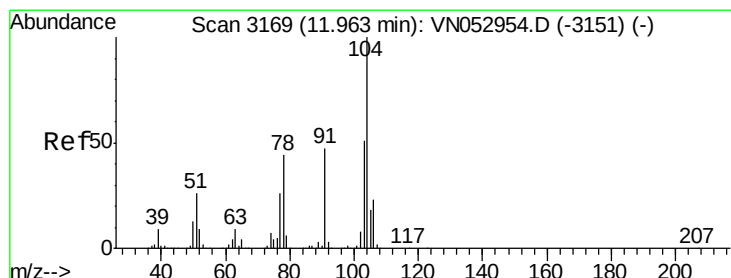
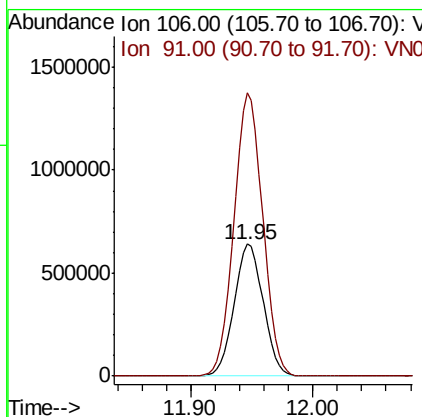
#69
o-Xylene
Concen: 52.295 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tot Ion:106 Resp: 1056697
Ion Ratio Lower Upper
106 100
91 213.1 106.6 319.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

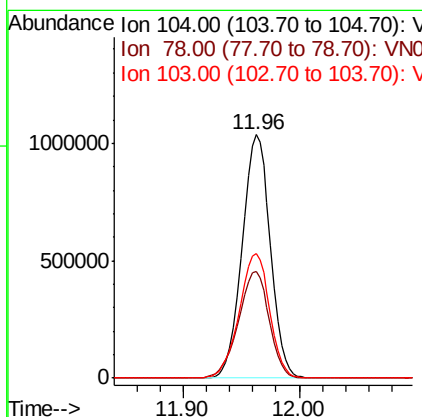
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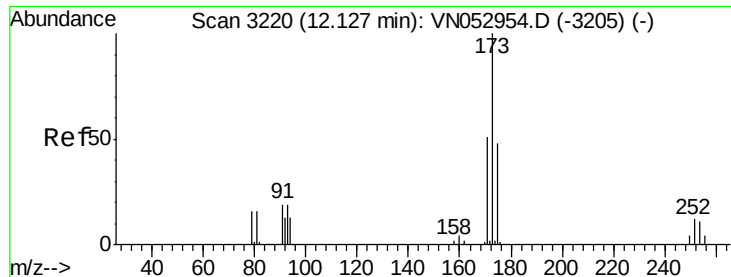
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#70
Styrene
Concen: 53.061 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion:104 Resp: 1748273
Ion Ratio Lower Upper
104 100
78 47.8 38.9 58.3
103 55.3 44.3 66.5





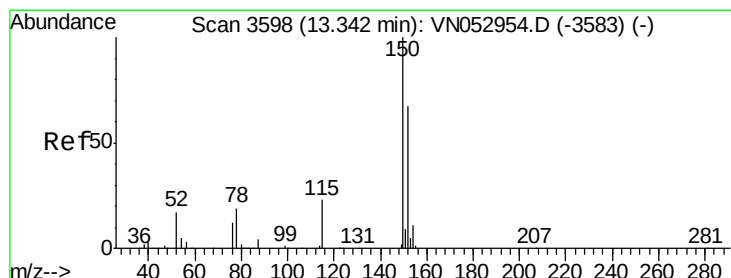
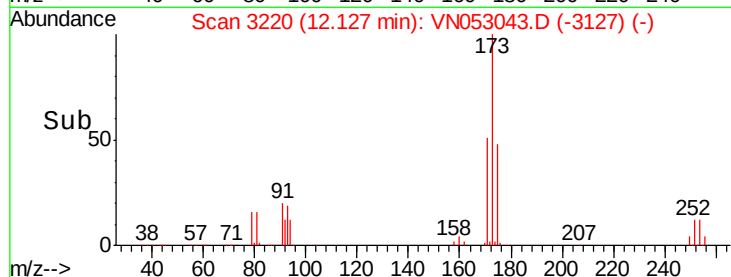
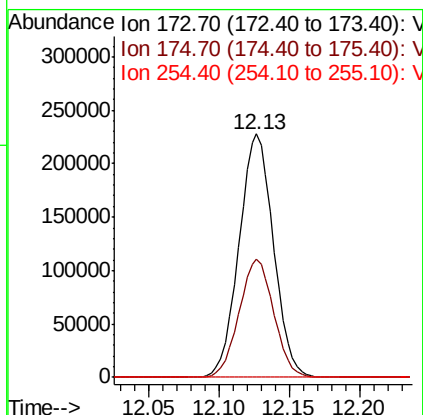
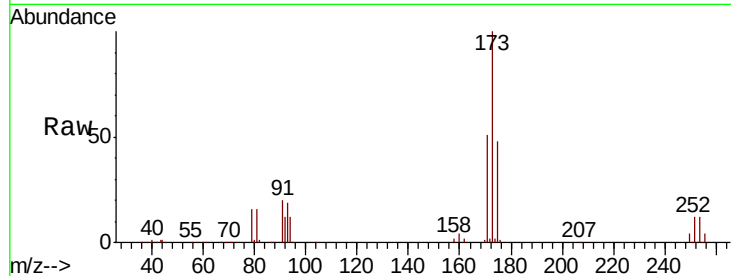
#71
Bromoform
Concen: 48.071 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.1	0.1	0.1#

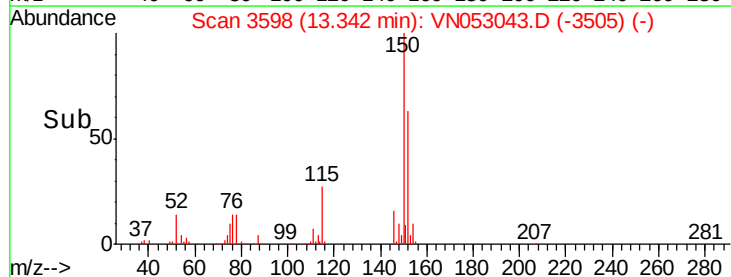
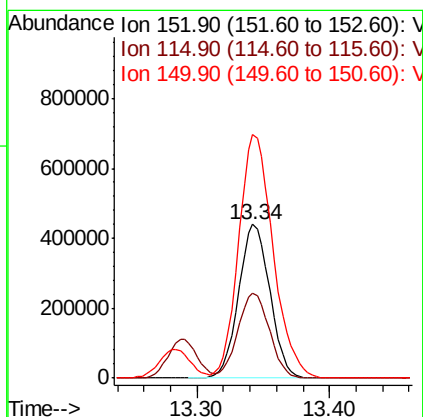
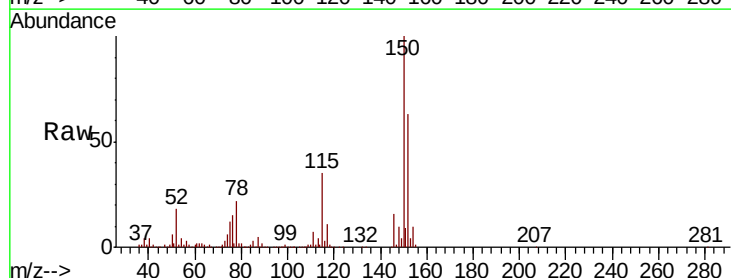
Manual Integrations
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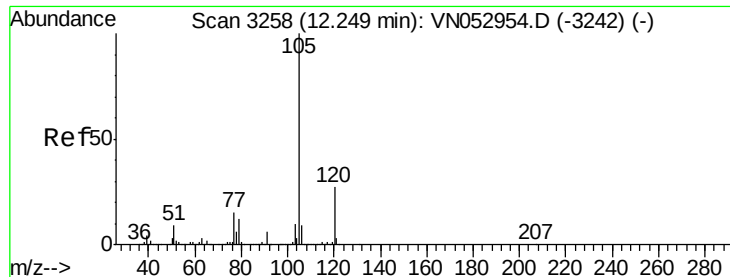
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.3	85.0
150	175.0	0.0	347.8





#73

Isopropylbenzene

Concen: 50.213 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2821009

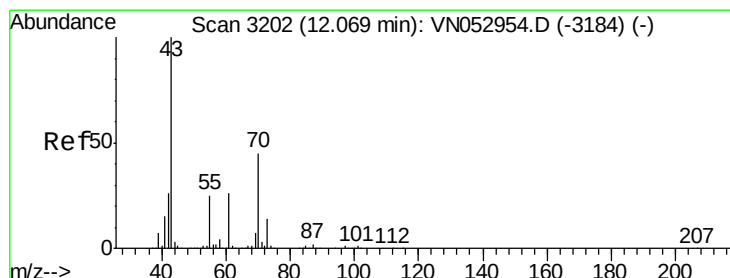
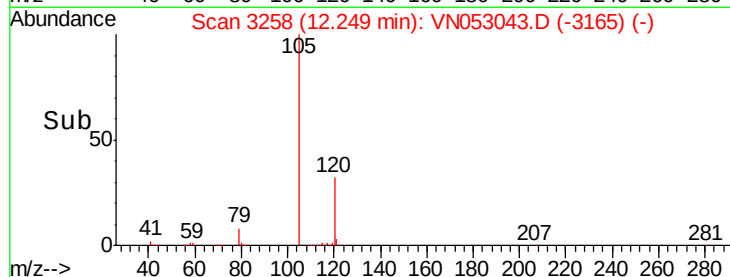
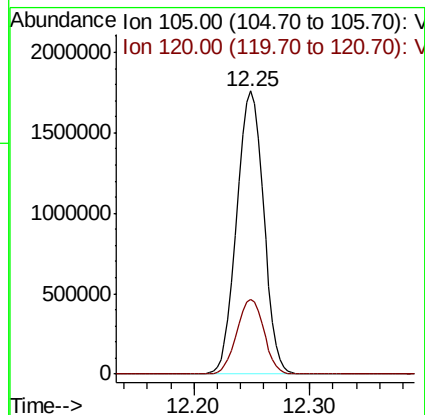
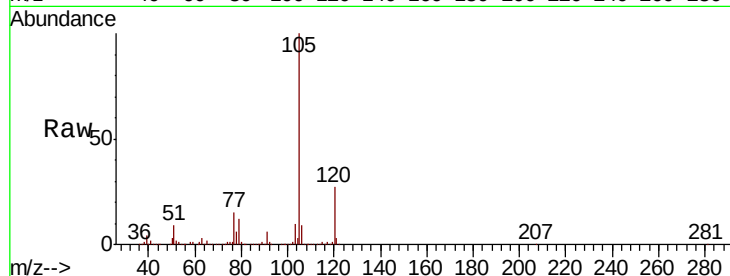
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9

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#74

N-ethyl acetate

Concen: 48.955 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion: 43 Resp: 763593

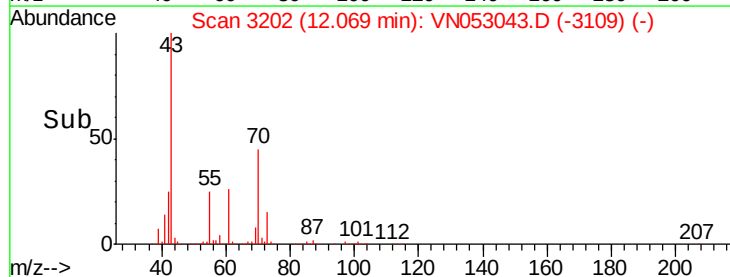
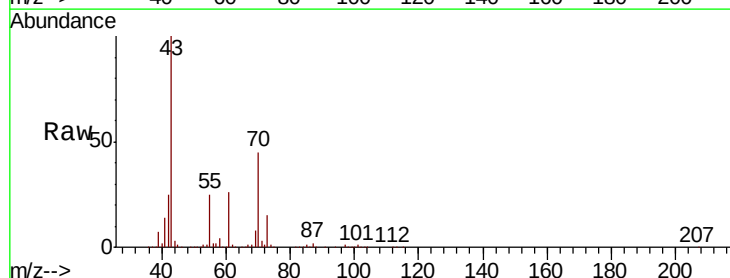
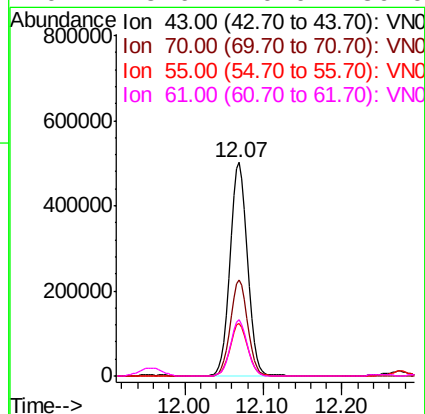
Ion Ratio Lower Upper

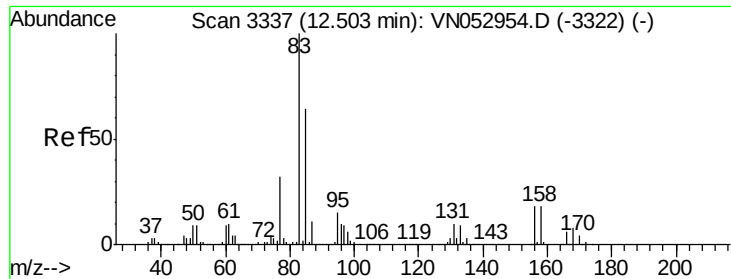
43 100

70 44.6 34.2 51.4

55 24.8 20.3 30.5

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.730 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

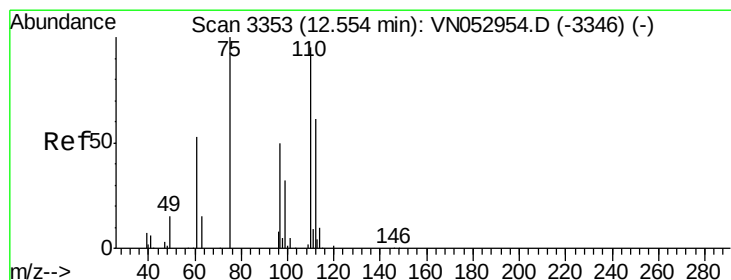
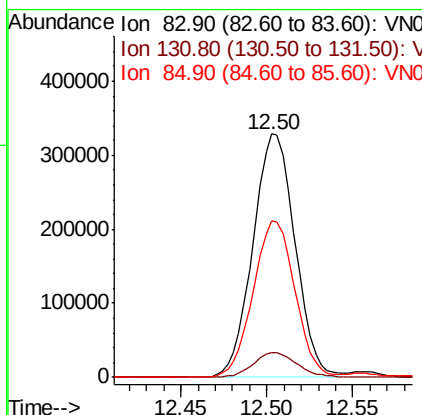
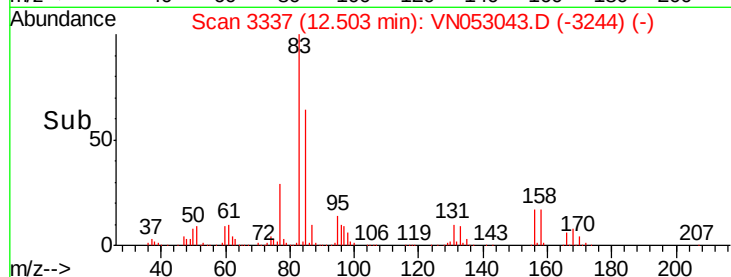
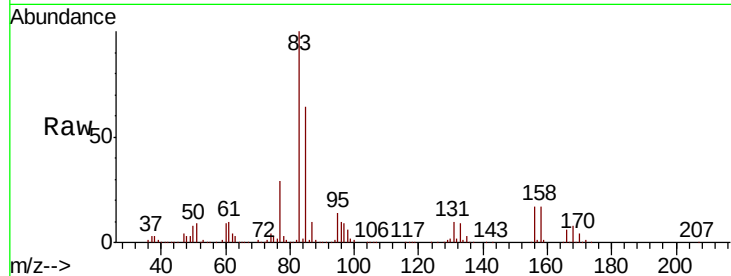
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	559146
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	63.8	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 41.895 ug/l m

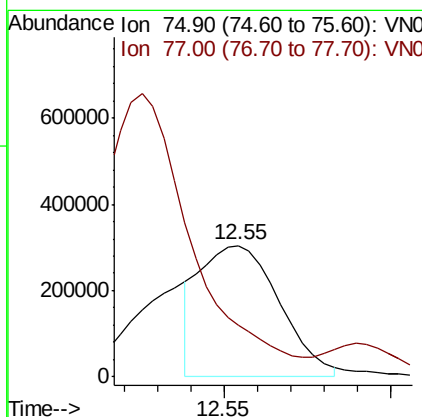
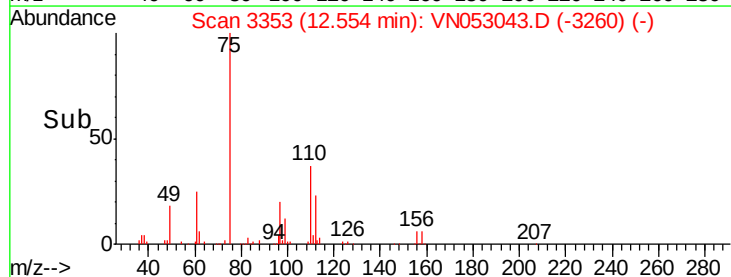
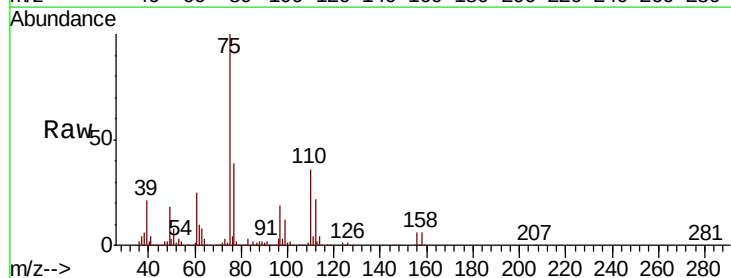
RT: 12.55 min Scan# 3353

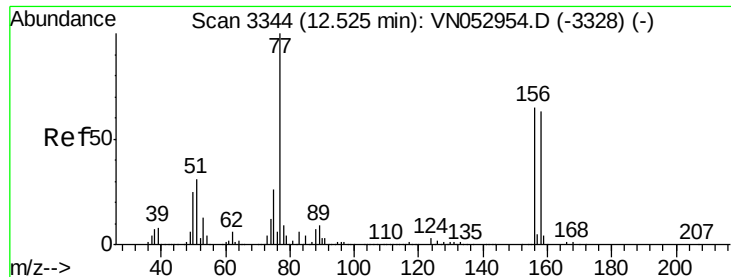
Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion:	75	Resp:	506417
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.686 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

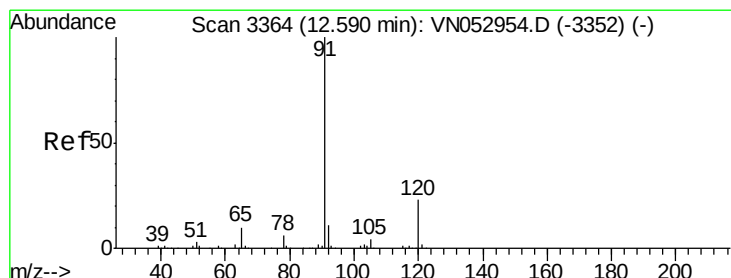
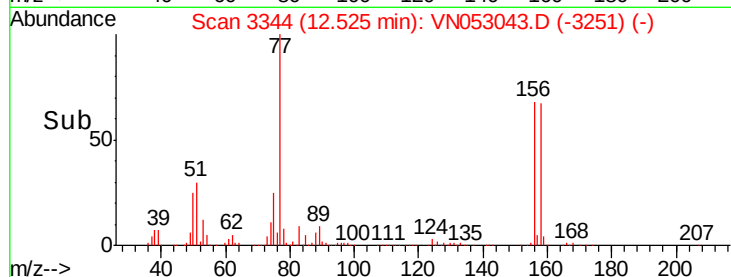
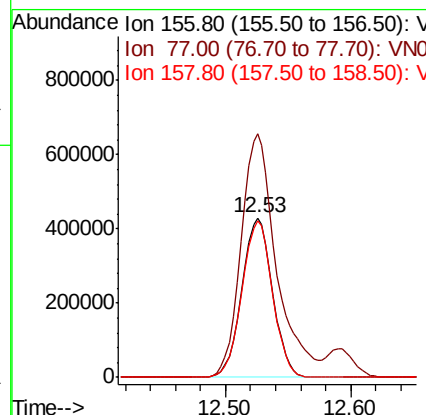
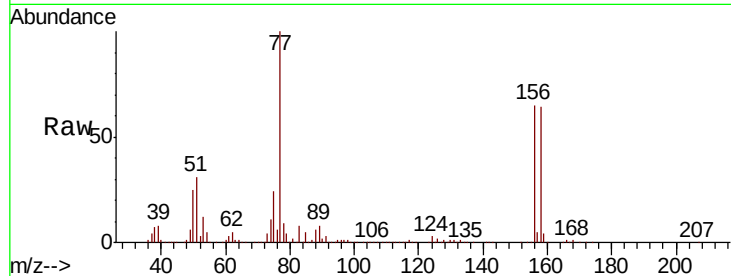
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.4	91.3	273.8
158	98.1	49.0	147.2

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#78

n-propylbenzene

Concen: 50.982 ug/l

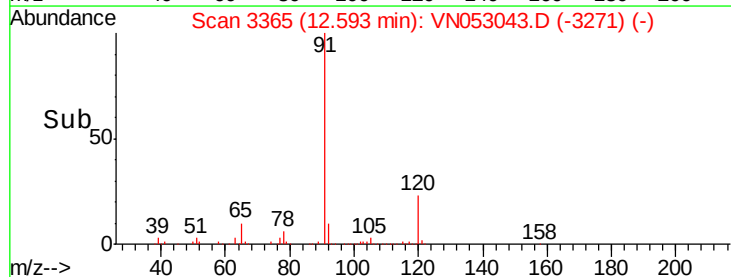
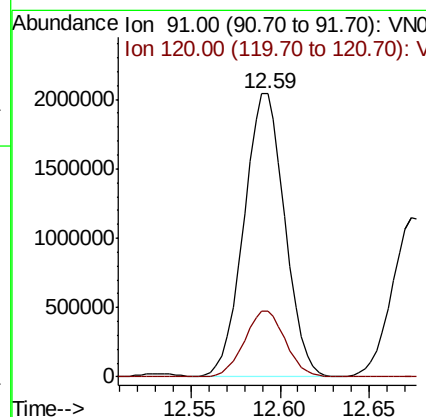
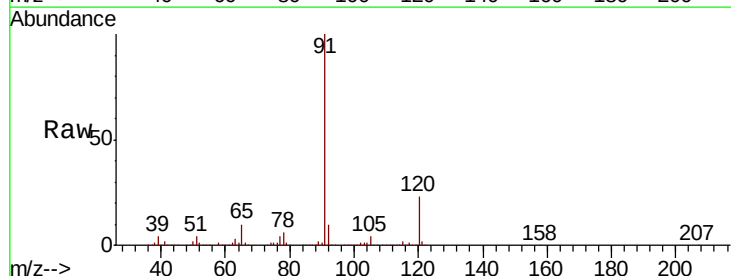
RT: 12.59 min Scan# 3365

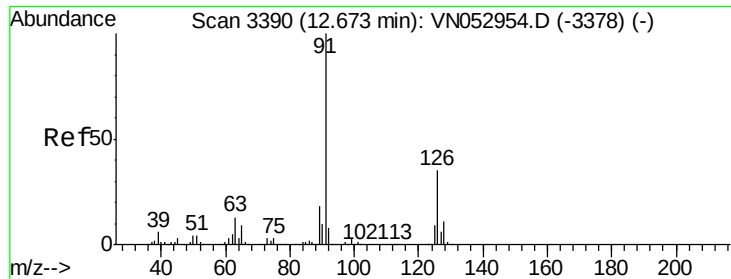
Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 47.868 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1898499

Ion Ratio Lower Upper

91 100

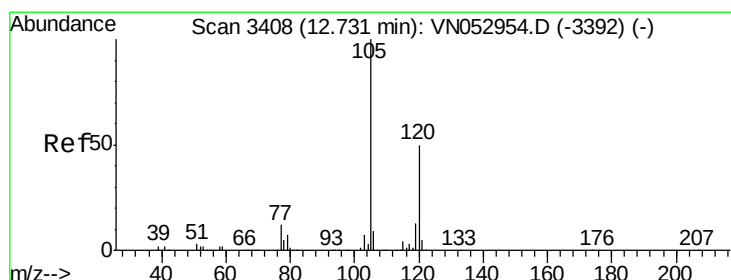
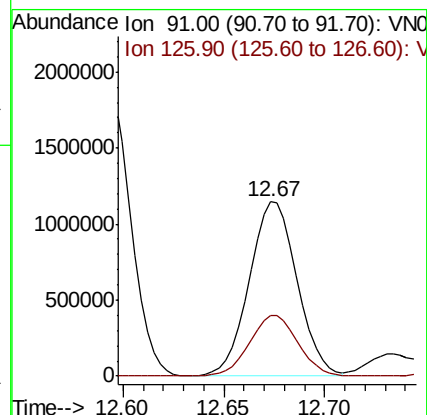
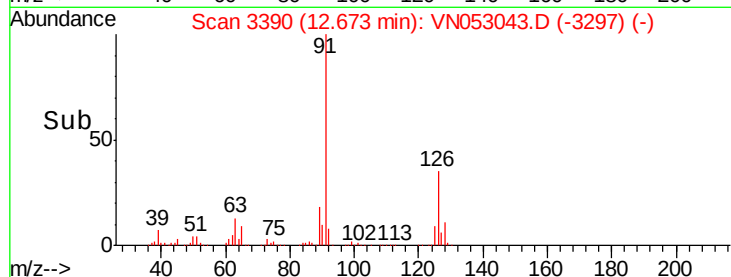
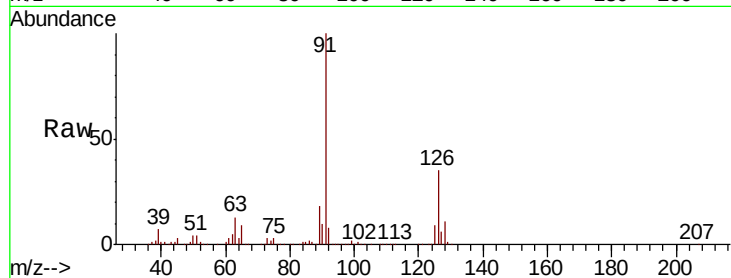
126 35.3 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.450 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053043.D

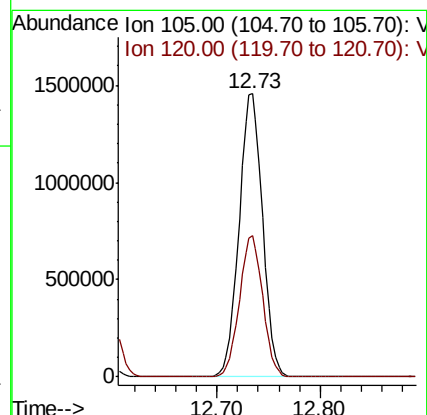
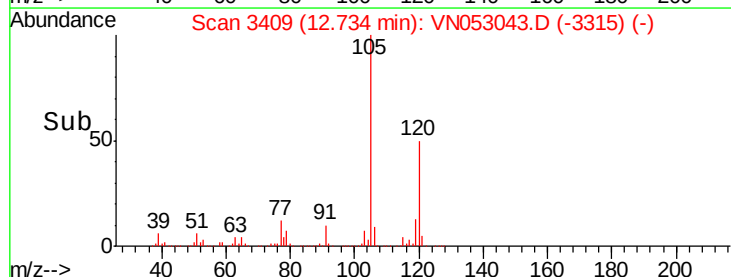
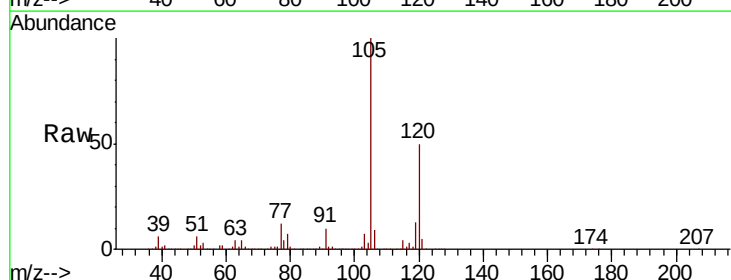
Acq: 20 Dec 2018 9:08

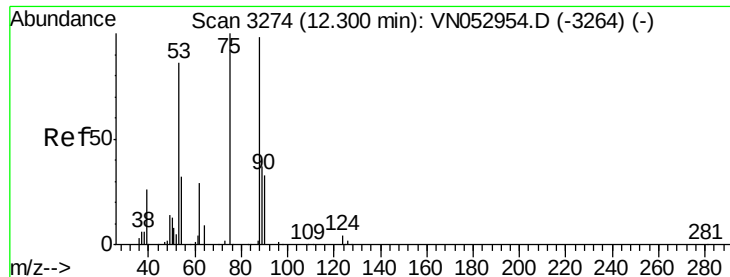
Tgt Ion: 105 Resp: 2310241

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





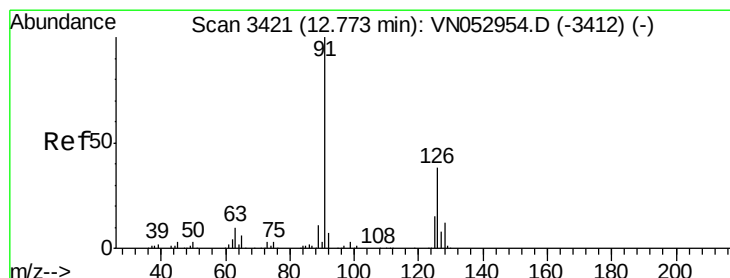
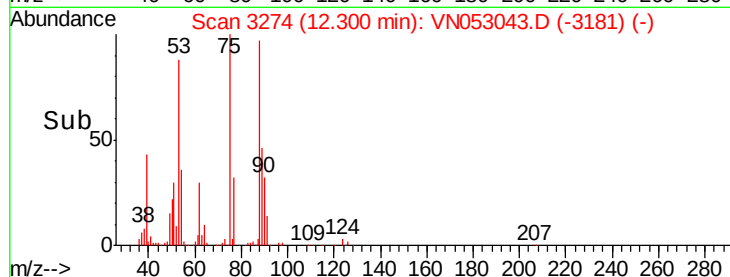
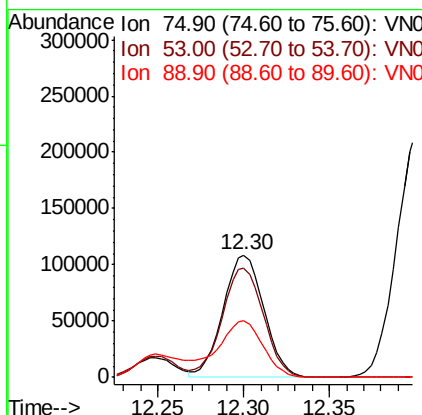
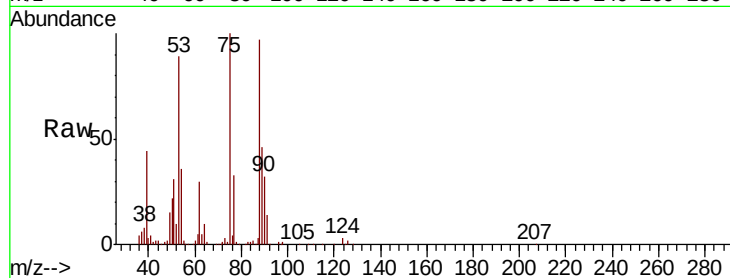
#81
trans-1,4-Dichloro-2-butene
Concen: 47.456 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	74.7	112.1
89	48.9	36.1	54.1

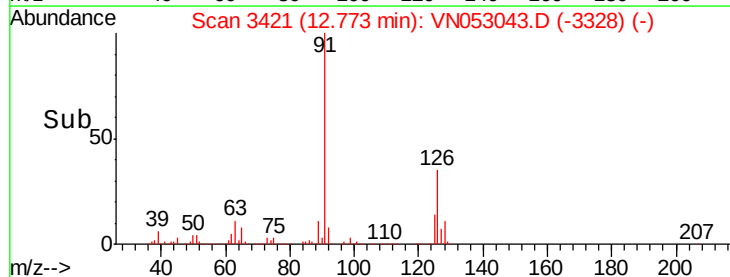
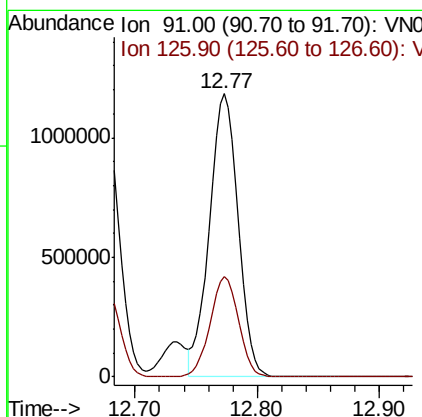
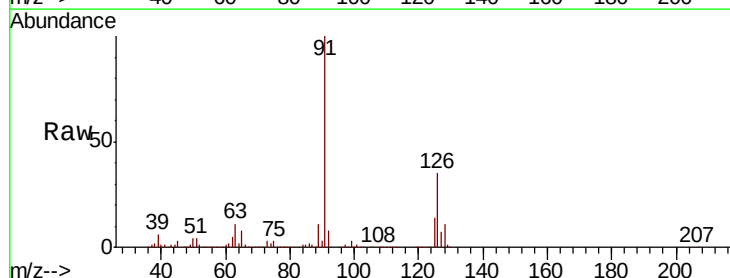
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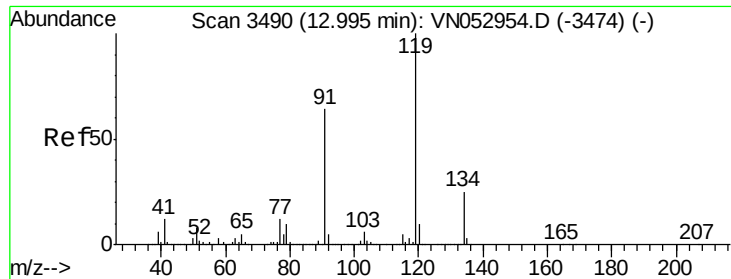
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.298 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





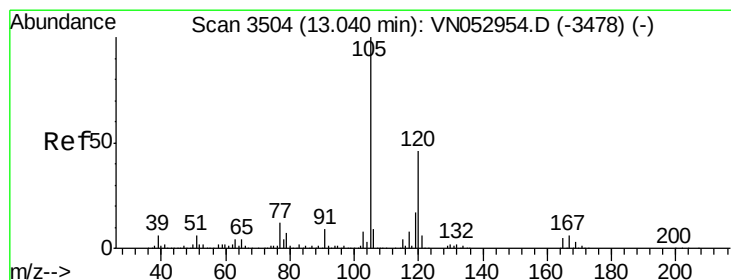
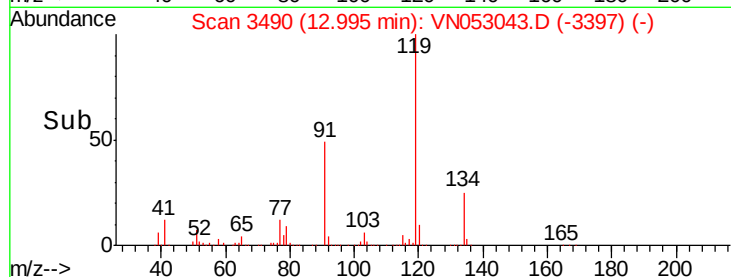
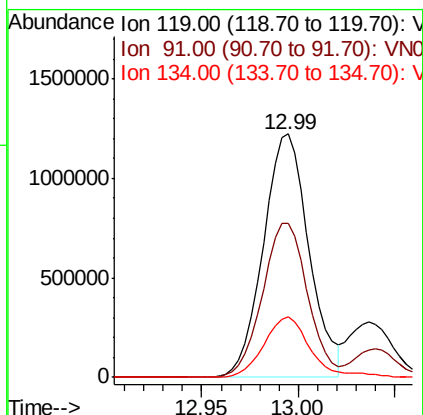
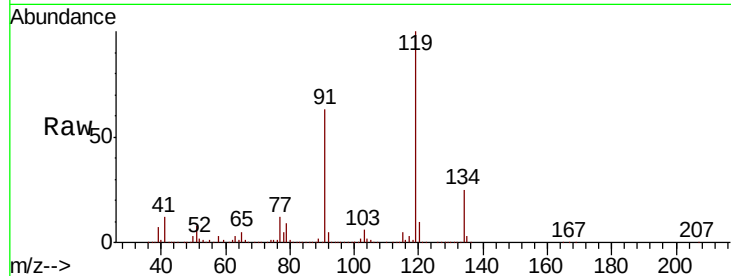
#83
tert-Butylbenzene
Concen: 49.674 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2011759
Ion Ratio Lower Upper
119 100
91 62.6 31.9 95.5
134 25.5 12.8 38.4

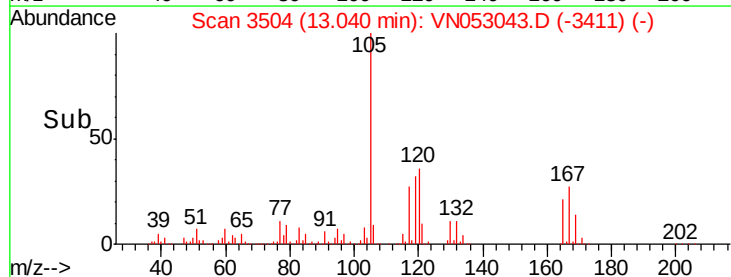
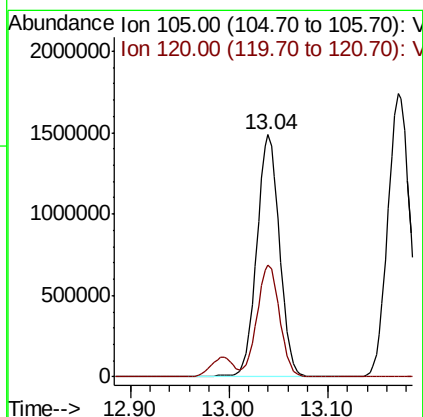
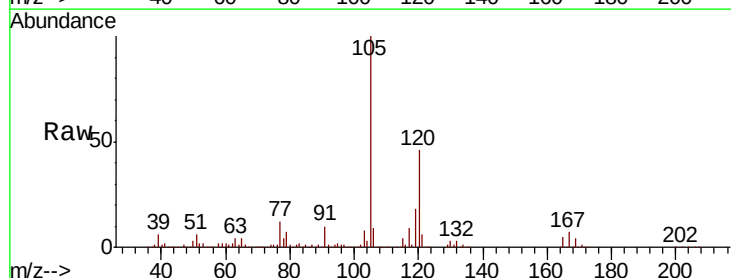
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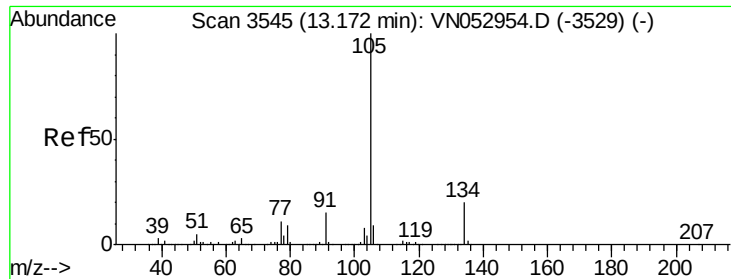
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.020 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion:105 Resp: 2348694
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 49.549 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2714265

Ion Ratio Lower Upper

105 100

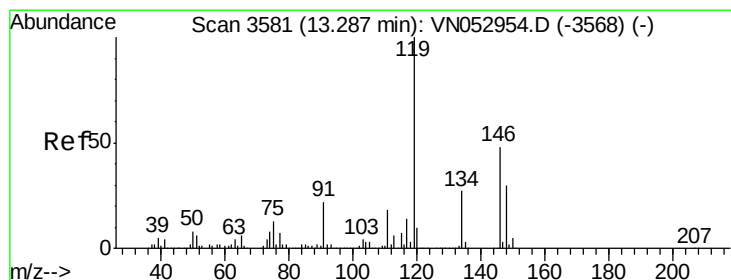
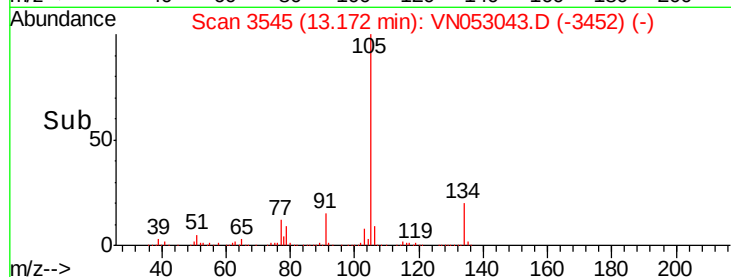
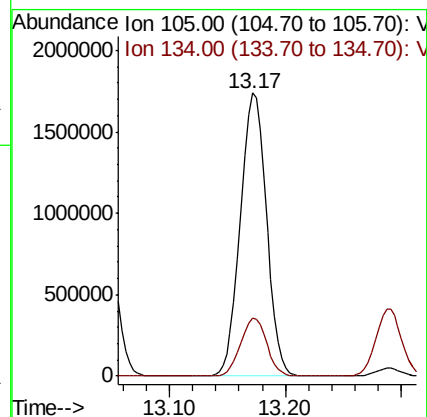
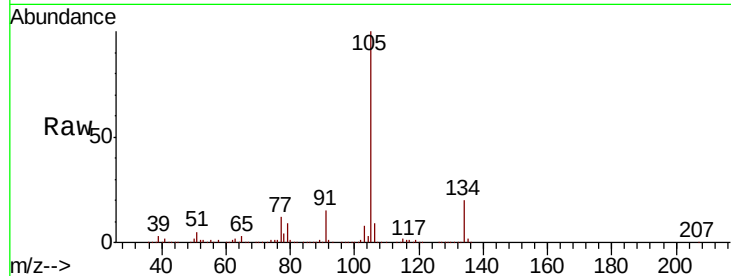
134 20.4 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.388 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

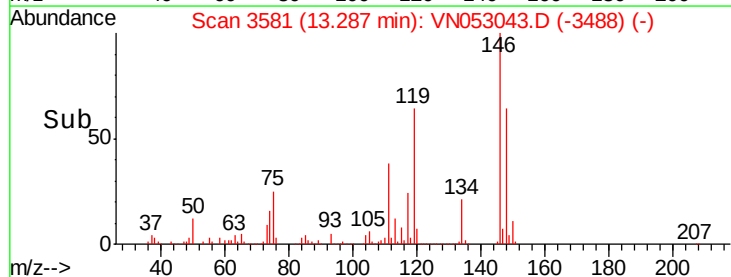
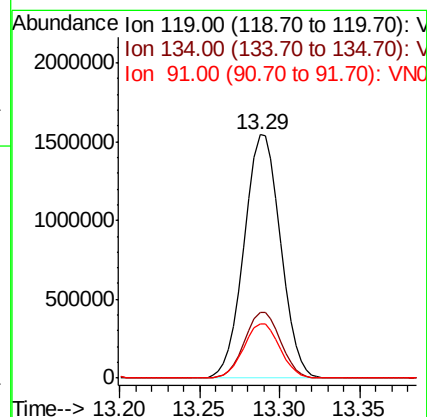
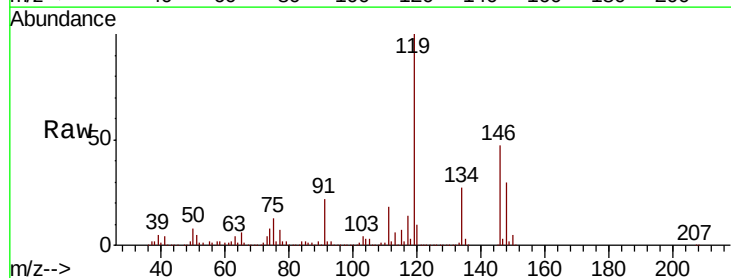
Tgt Ion:119 Resp: 2385070

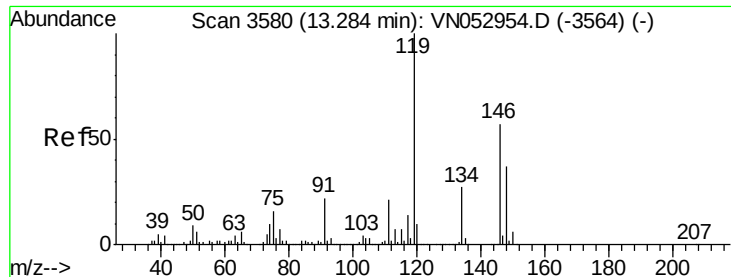
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.1 11.1 33.3





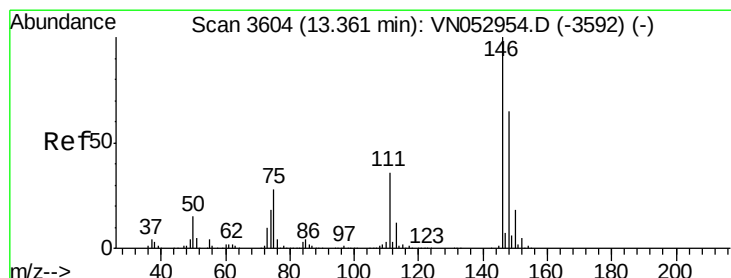
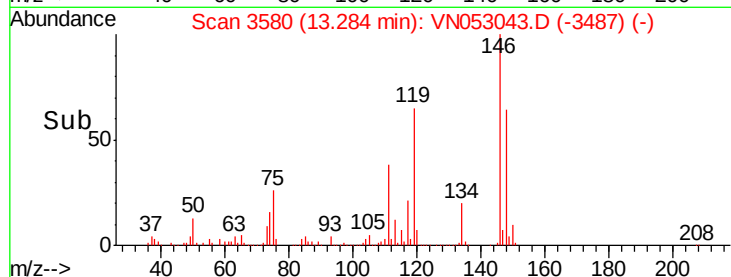
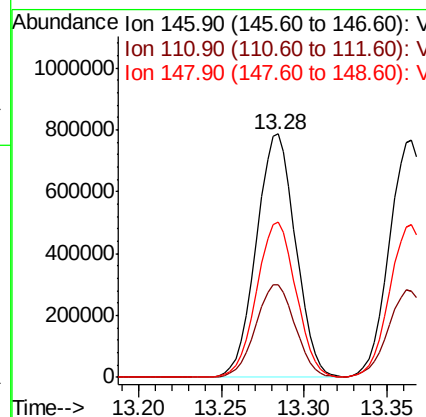
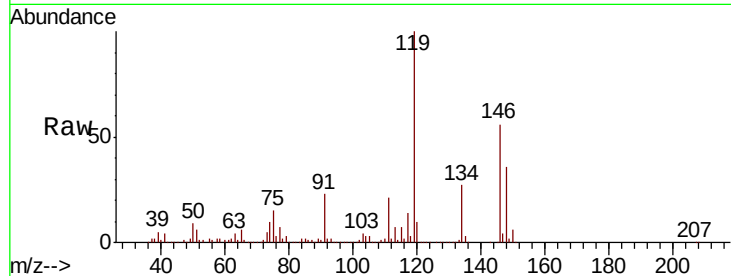
#87
 1,3-Dichlorobenzene
 Concen: 50.021 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1292914
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.1
 148 63.9 32.0 96.0

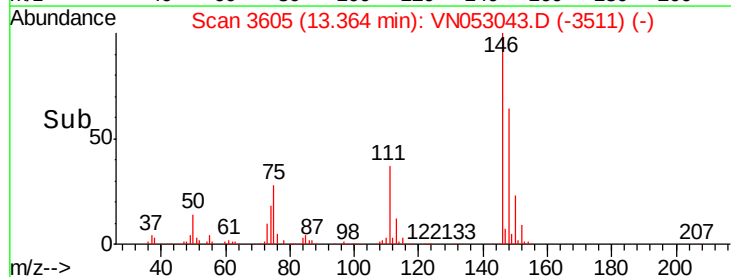
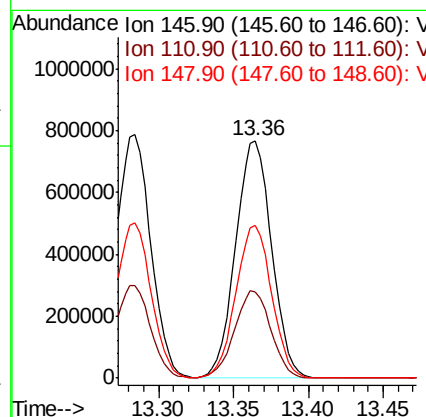
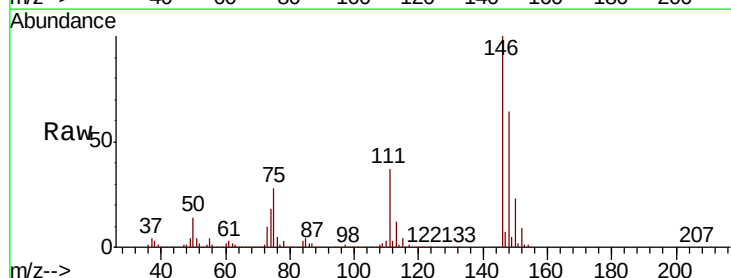
Manual Integrations
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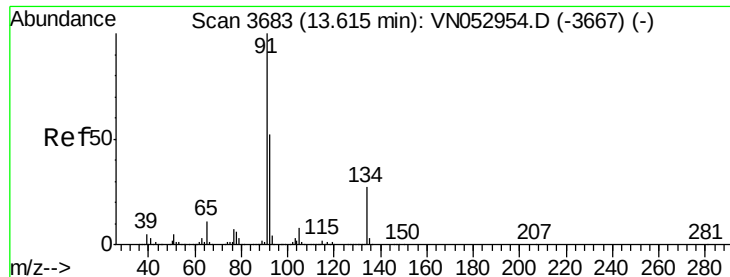
MMDadoda
 12/21/2018 9:20:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.130 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion:146 Resp: 1285977
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 64.1 32.1 96.5





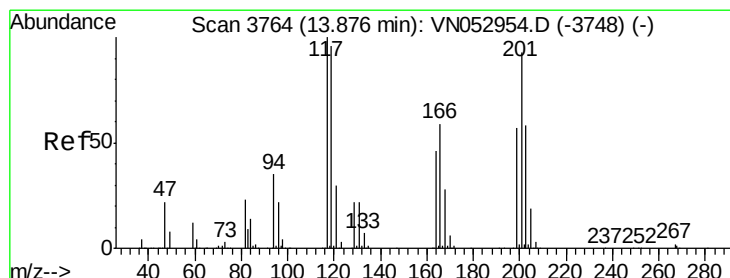
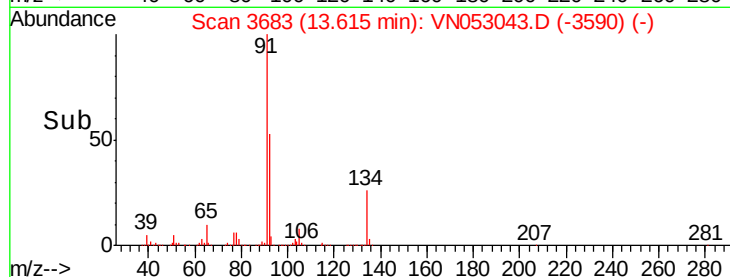
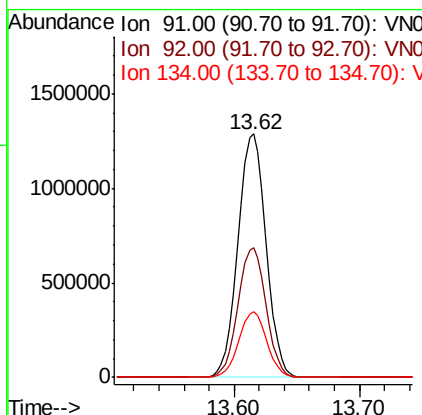
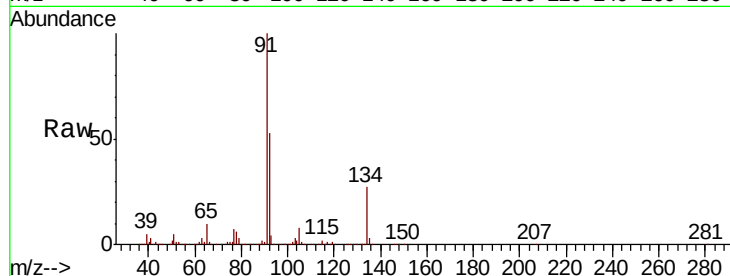
#89
n-Butylbenzene
Concen: 49.166 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.3	78.9
134	26.8	13.3	39.8

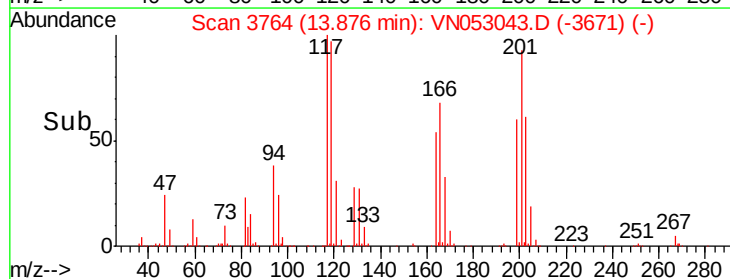
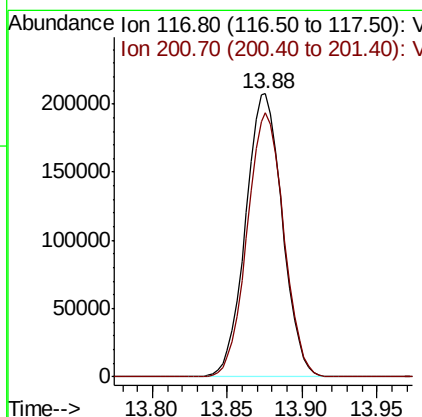
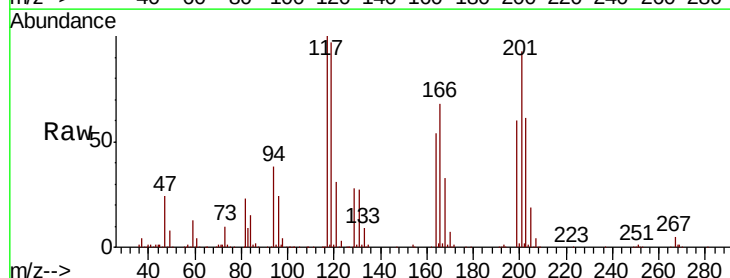
Manual Integrations
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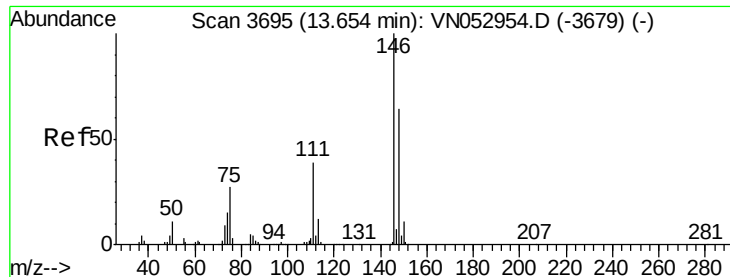
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#90
Hexachloroethane
Concen: 48.832 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053043.D
Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.7	45.7	137.1





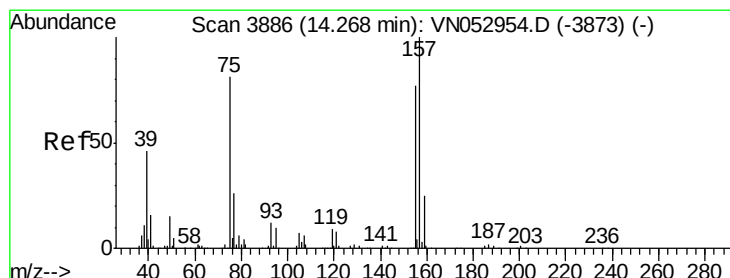
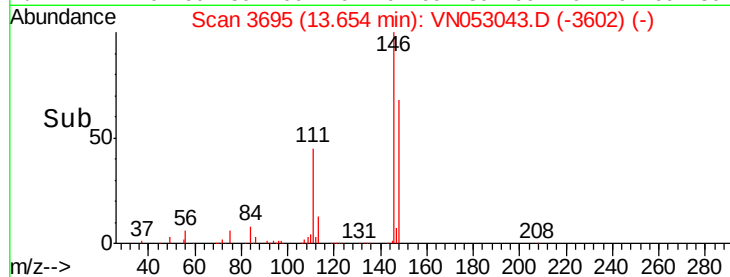
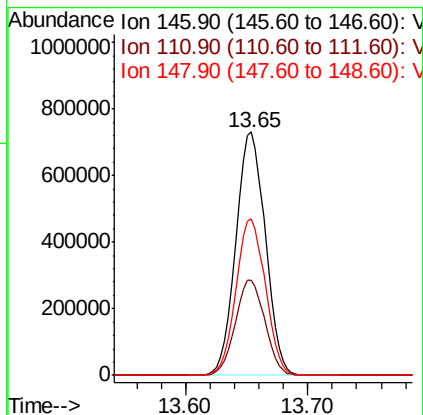
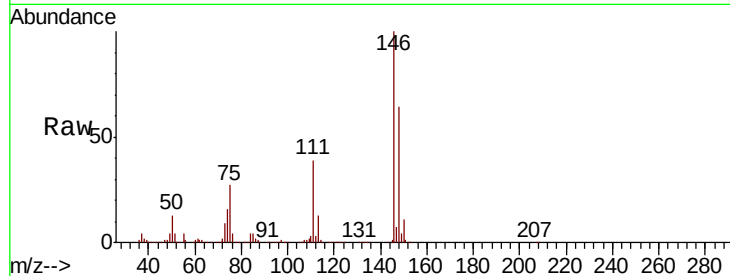
#91
 1,2-Dichlorobenzene
 Concen: 50.132 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.3	32.0	96.0

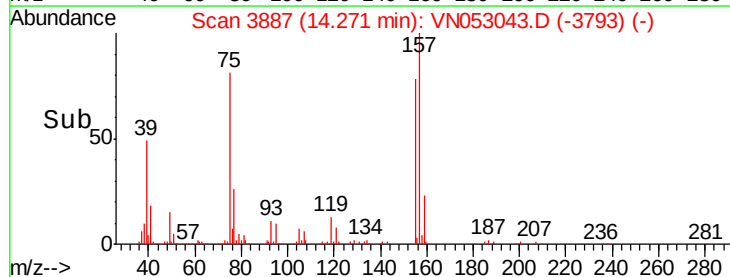
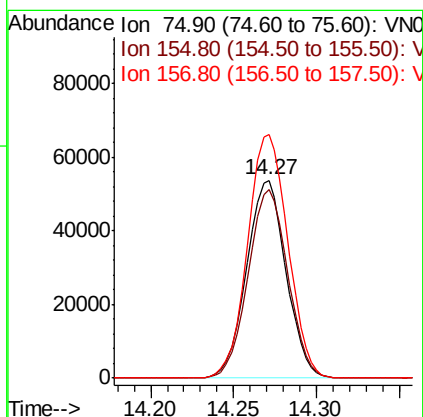
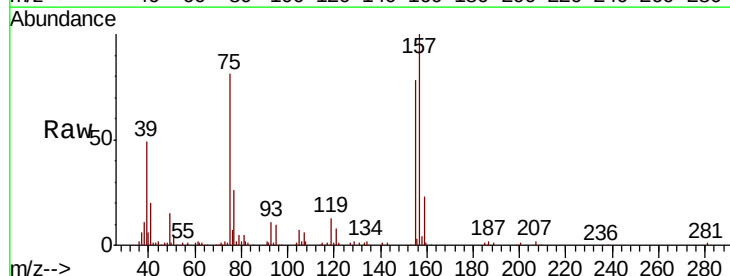
Manual Integrations
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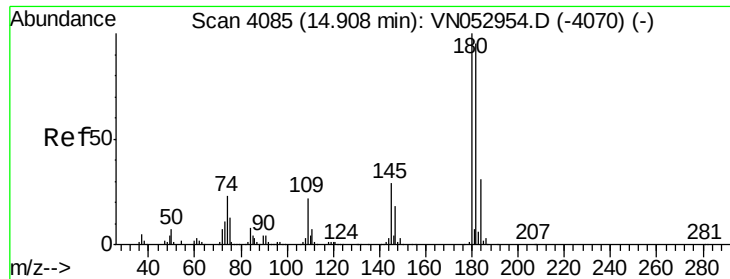
MMDadoda
 12/21/2018 9:20:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.659 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	48.2	144.6
157	125.5	61.2	183.5





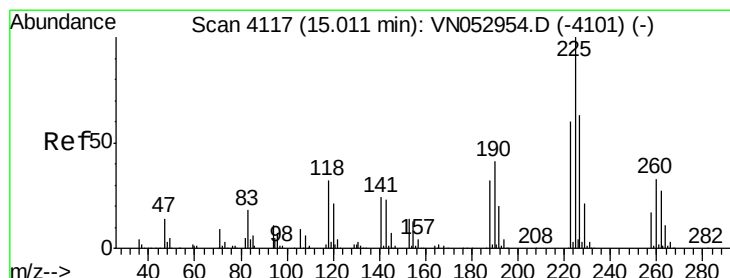
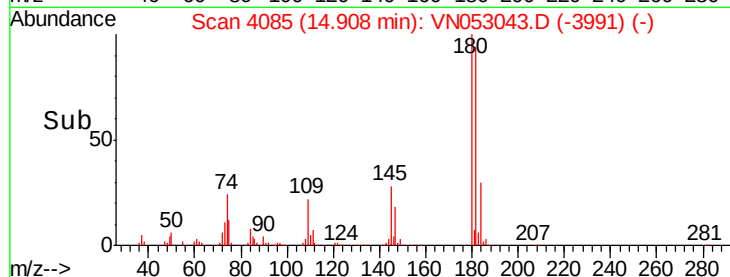
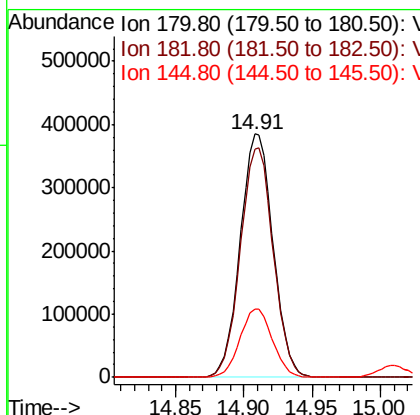
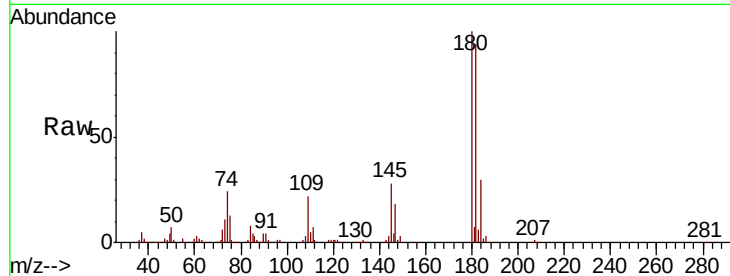
#93
 1,2,4-Trichlorobenzene
 Concen: 49.751 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	28.0	14.2	42.6

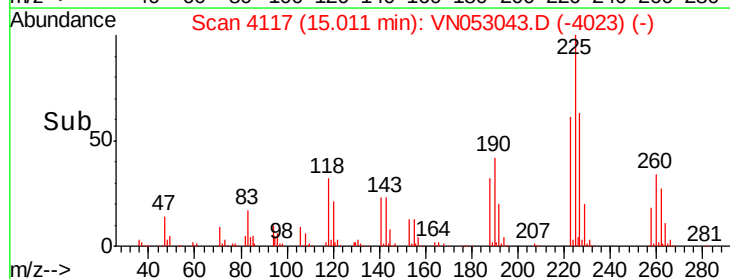
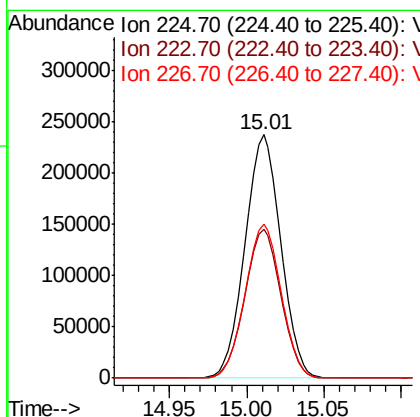
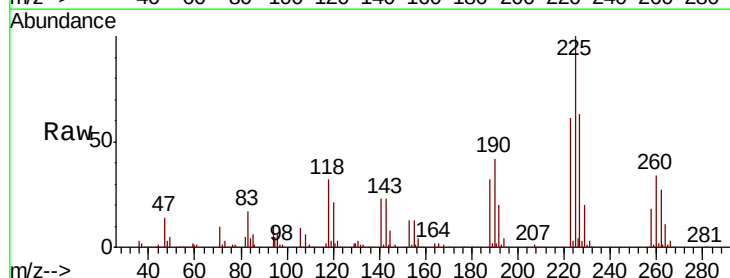
Manual Integrations
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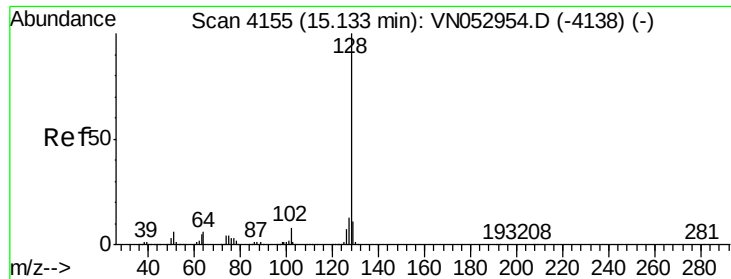
MMDadoda
 12/21/2018 9:20:36 AM



#94
 Hexachlorobutadiene
 Concen: 57.917 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053043.D
 Acq: 20 Dec 2018 9:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.5	94.5
227	63.4	31.9	95.7





#95

Naphthalene

Concen: 46.471 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1309629

Ion Ratio Lower Upper

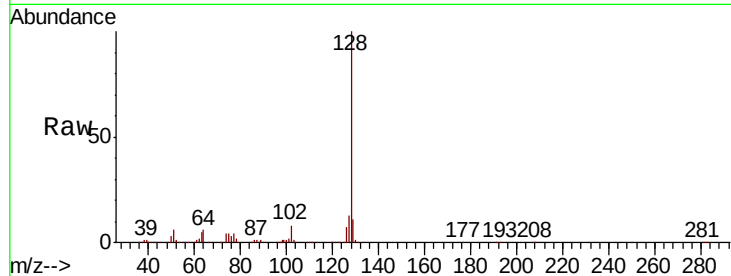
128 100

127 12.9 10.2 15.4

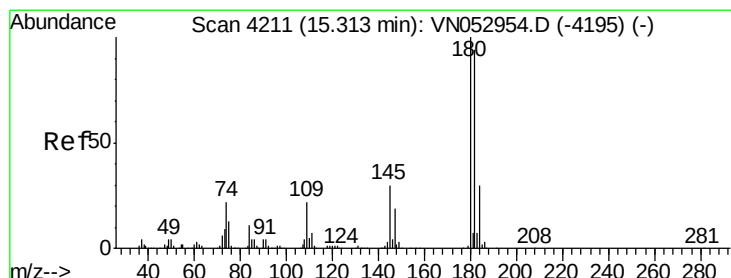
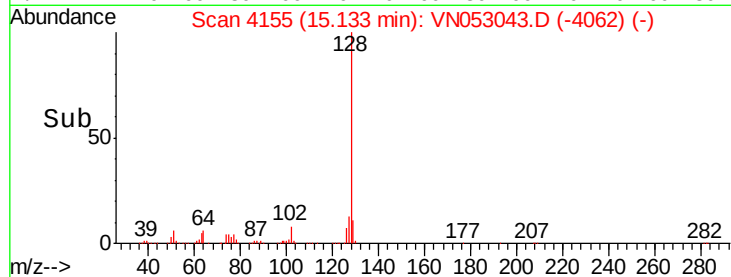
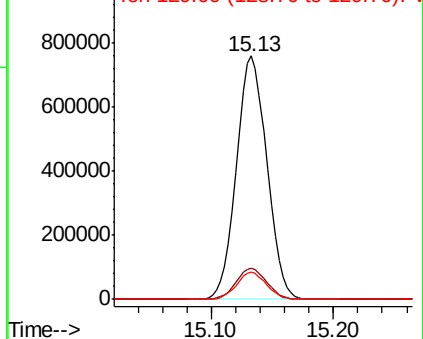
129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 9:20:36 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.236 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053043.D

Acq: 20 Dec 2018 9:08

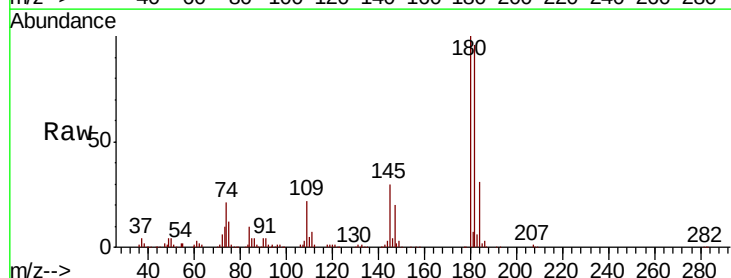
Tgt Ion:180 Resp: 559610

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.7

145 30.1 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

