

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059052.D
 Acq On : 1 Nov 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 1:58:41 PM

Quant Time: Nov 02 04:28:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	416556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	584788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238057	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	27036	4.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.04%	
35) Dibromofluoromethane	7.57	113	20870	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
50) Toluene-d8	10.08	98	76126	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	
62) 4-Bromofluorobenzene	12.40	95	24919	4.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	23317	4.628 ug/l	96
3) Chloromethane	2.04	50	31685	5.007 ug/l	97
4) Vinyl Chloride	2.17	62	31081	4.967 ug/l	100
5) Bromomethane	2.54	94	20473	5.318 ug/l	94
6) Chloroethane	2.68	64	18724	4.710 ug/l	97
7) Trichlorofluoromethane	3.00	101	37504	4.878 ug/l	96
8) Diethyl Ether	3.39	74	14255	5.214 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	21402	4.932 ug/l	98
10) Methyl Iodide	3.93	142	21077	3.766 ug/l	99
11) Tert butyl alcohol	4.75	59	27921	27.589 ug/l	99
12) 1,1-Dichloroethene	3.71	96	21138	5.182 ug/l	97
13) Acrolein	3.58	56	13067	19.141 ug/l	100
14) Allyl chloride	4.29	41	37948	4.607 ug/l	90
15) Acrylonitrile	4.96	53	61024	24.137 ug/l	97
16) Acetone	3.79	43	67692	22.934 ug/l	93
17) Carbon Disulfide	4.03	76	66437	5.079 ug/l	98
18) Methyl Acetate	4.30	43	35318	5.169 ug/l	99
19) Methyl tert-butyl Ether	5.02	73	68149	4.801 ug/l	99
20) Methylene Chloride	4.52	84	25520	4.995 ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	22825	5.091 ug/l	94
22) Diisopropyl ether	5.92	45	78104	4.874 ug/l	91
23) Vinyl Acetate	5.87	43	312164	24.370 ug/l	99
24) 1,1-Dichloroethane	5.82	63	46621	5.017 ug/l	98
25) 2-Butanone	6.81	43	89696	23.263 ug/l	99
26) 2,2-Dichloropropane	6.79	77	40630	5.073 ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	25193	4.928 ug/l	95
28) Bromochloromethane	7.17	49	15094	4.951 ug/l	94
29) Tetrahydrofuran	7.19	42	57312	24.239 ug/l	99
30) Chloroform	7.35	83	43063	4.650 ug/l	98
31) Cyclohexane	7.63	56	47591	5.507 ug/l	# 85
32) 1,1,1-Trichloroethane	7.55	97	37457	4.810 ug/l	98
36) 1,1-Dichloropropene	7.77	75	32726	4.963 ug/l	98
37) Ethyl Acetate	6.90	43	35234	4.895 ug/l	99
38) Carbon Tetrachloride	7.75	117	32868	4.846 ug/l	98

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	36749	4.921	ug/l	97
40) Benzene	8.02	78	99587	5.122	ug/l	97
41) Methacrylonitrile	7.15	41	13431m	4.118	ug/l	
42) 1,2-Dichloroethane	8.10	62	34877	4.728	ug/l	98
43) Isopropyl Acetate	8.15	43	55945	4.837	ug/l	98
44) Trichloroethene	8.82	130	24035	5.063	ug/l	96
45) 1,2-Dichloropropane	9.10	63	26607	4.994	ug/l	98
46) Dibromomethane	9.19	93	16884	5.033	ug/l	97
47) Bromodichloromethane	9.39	83	33072	4.794	ug/l	99
48) Methyl methacrylate	9.19	41	24064	4.615	ug/l	96
49) 1,4-Dioxane	9.18	88	7725	88.092	ug/l #	87
51) 4-Methyl-2-Pentanone	9.97	43	166837	24.814	ug/l	96
52) Toluene	10.15	92	55401	4.815	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	35517	4.638	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	38003	4.633	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	23595	4.970	ug/l	94
56) Ethyl methacrylate	10.42	69	30113	4.296	ug/l	91
57) 1,3-Dichloropropane	10.70	76	40925	4.932	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	58303	19.783	ug/l	99
59) 2-Hexanone	10.75	43	120443	23.223	ug/l	94
60) Dibromochloromethane	10.90	129	23652	4.635	ug/l	98
61) 1,2-Dibromoethane	11.00	107	22680	4.678	ug/l	97
64) Tetrachloroethene	10.63	164	20565	5.078	ug/l	95
65) Chlorobenzene	11.43	112	61251	5.196	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	21875	4.926	ug/l	94
67) Ethyl Benzene	11.51	91	103685	5.027	ug/l	98
68) m/p-Xylenes	11.62	106	73915	9.676	ug/l	99
69) o-Xylene	11.95	106	35526	4.863	ug/l	98
70) Styrene	11.96	104	53994	4.533	ug/l	99
71) Bromoform	12.13	173	15282	4.417	ug/l #	95
73) Isopropylbenzene	12.25	105	93800	5.438	ug/l	99
74) N-amyl acetate	12.07	43	36890	4.747	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	34649	5.714	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	31604m	5.724	ug/l	
77) Bromobenzene	12.53	156	23045	5.412	ug/l	96
78) n-propylbenzene	12.59	91	106389	5.224	ug/l	98
79) 2-Chlorotoluene	12.68	91	67273	5.389	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	77782	5.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10631	5.026	ug/l	93
82) 4-Chlorotoluene	12.78	91	66306	5.213	ug/l	99
83) tert-Butylbenzene	12.99	119	66349	5.364	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	75917	5.332	ug/l	99
85) sec-Butylbenzene	13.17	105	86873	5.279	ug/l	100
86) p-Isopropyltoluene	13.29	119	75429	5.187	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	39739	5.234	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	40416	5.320	ug/l	96
89) n-Butylbenzene	13.62	91	62073	4.675	ug/l	98
90) Hexachloroethane	13.88	117	16027	5.430	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	40561	5.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	6864	5.063	ug/l	86

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MSVOA_N
ClientSampleId :
VSTDICC005

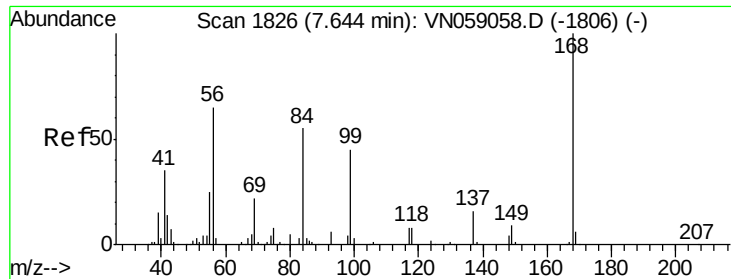
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Nov 02 05:16:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	17052	4.171	ug/l	96
94) Hexachlorobutadiene	15.01	225	13581	5.597	ug/l	94
95) Naphthalene	15.13	128	42069	3.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	17830	4.431	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 416556

Ion Ratio Lower Upper

168 100

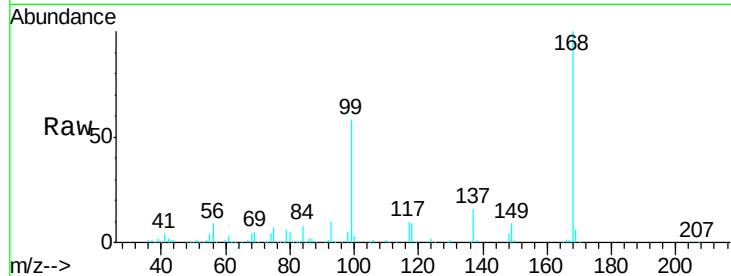
99 57.6 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

150000

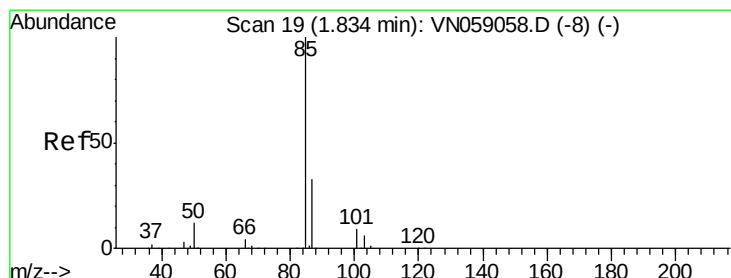
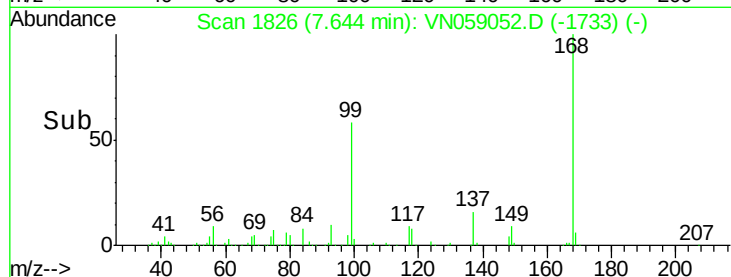
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.628 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059052.D

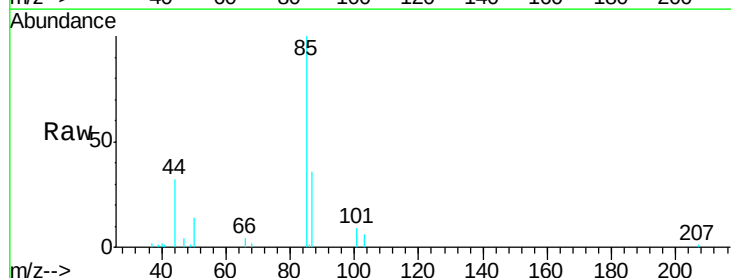
Acq: 1 Nov 2019 10:47

Tgt Ion: 85 Resp: 23317

Ion Ratio Lower Upper

85 100

87 35.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

15000

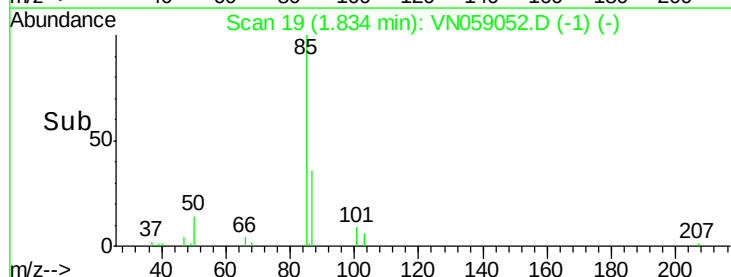
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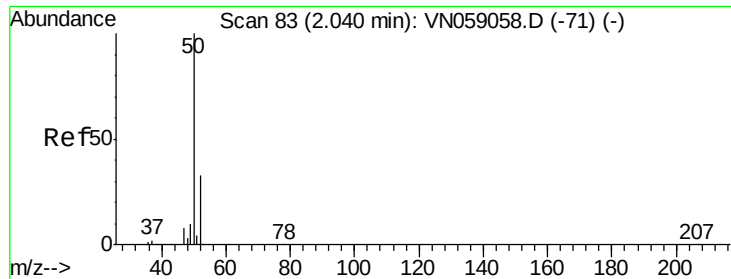
5000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 5.007 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 31685

Ion Ratio Lower Upper

50 100

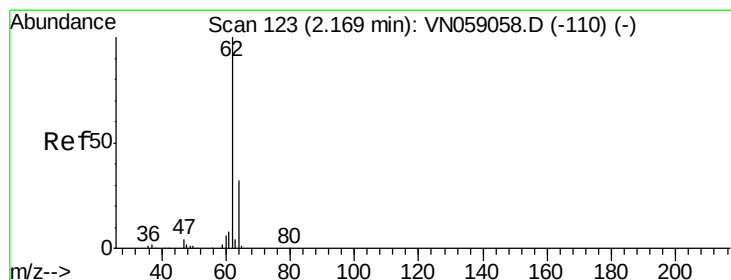
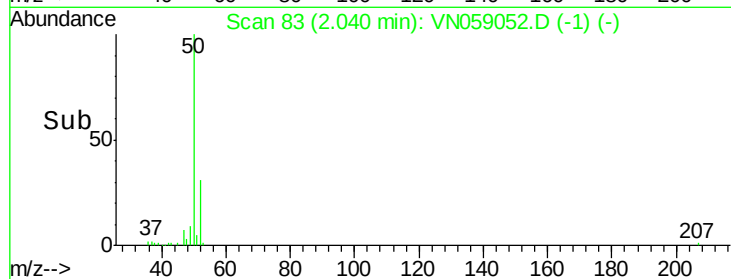
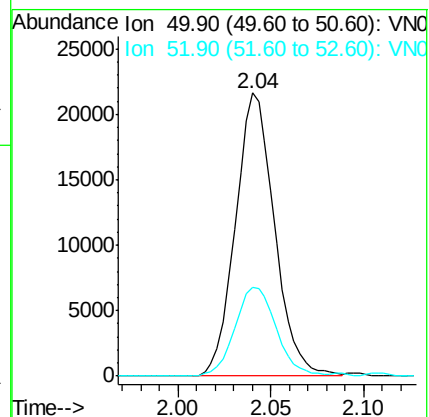
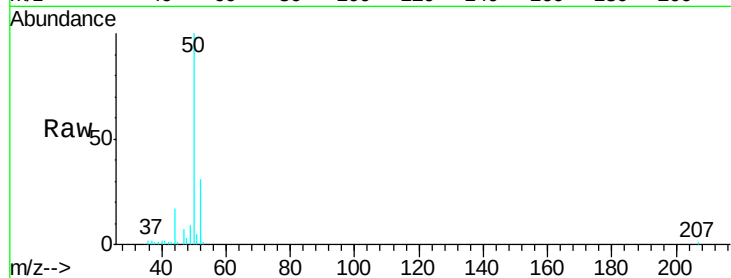
52 31.4 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.967 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059052.D

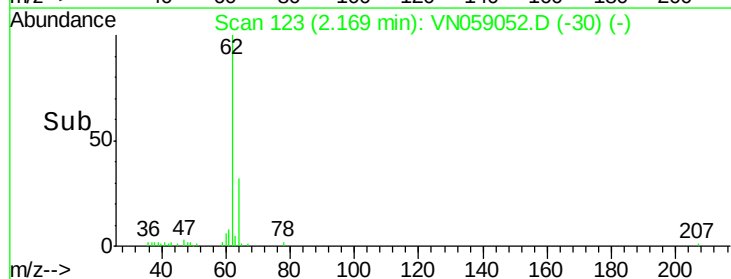
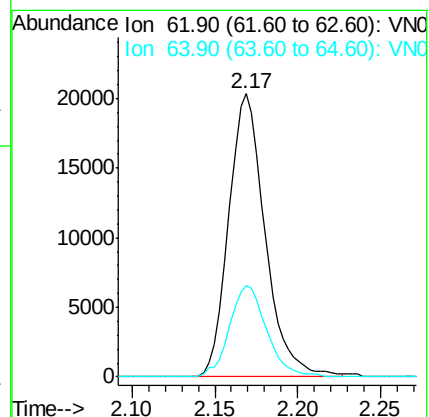
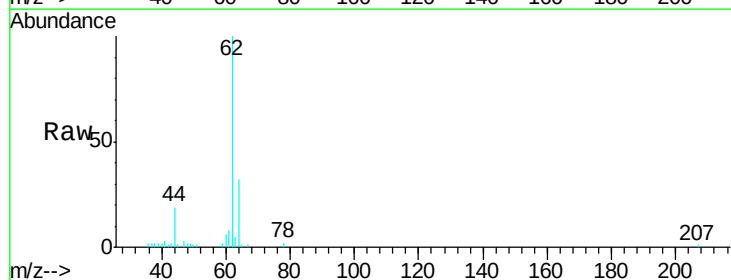
Acq: 1 Nov 2019 10:47

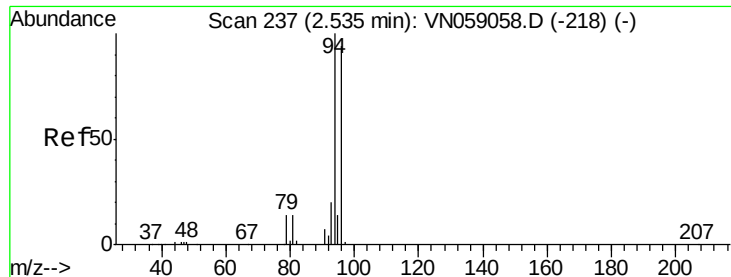
Tgt Ion: 62 Resp: 31081

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.8





#5

Bromomethane

Concen: 5.318 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 94 Resp: 20473

Ion Ratio Lower Upper

94 100

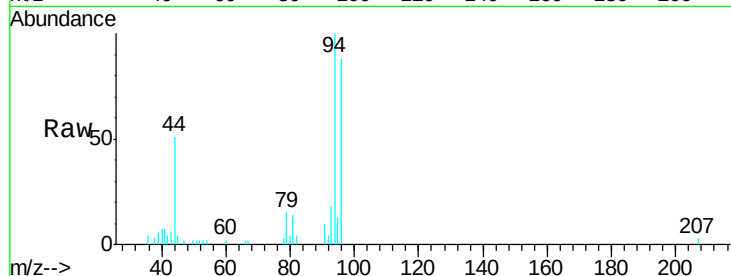
96 87.7 75.1 112.7

Manual Integrations

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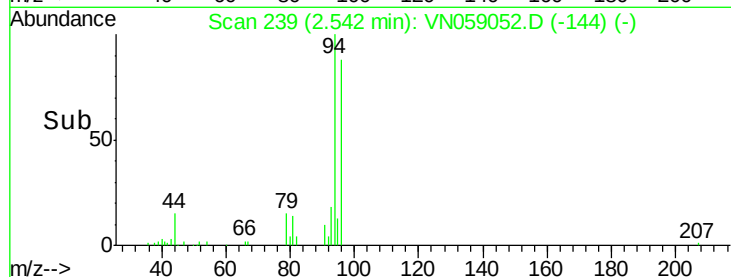
11/5/2019 1:58:41 PM



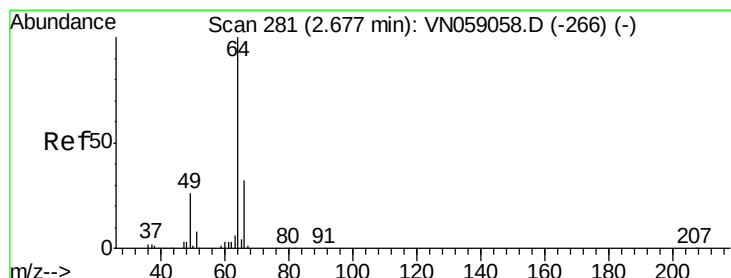
Abundance Ion 93.90 (93.60 to 94.60): VN059058.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059058.D (-218) (-)

Time-->



Time-->



#6

Chloroethane

Concen: 4.710 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059052.D

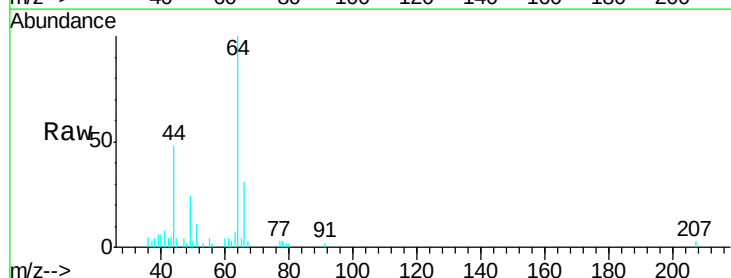
Acq: 1 Nov 2019 10:47

Tgt Ion: 64 Resp: 18724

Ion Ratio Lower Upper

64 100

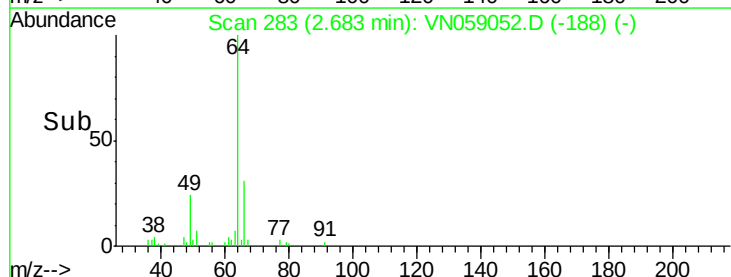
66 30.5 25.6 38.4



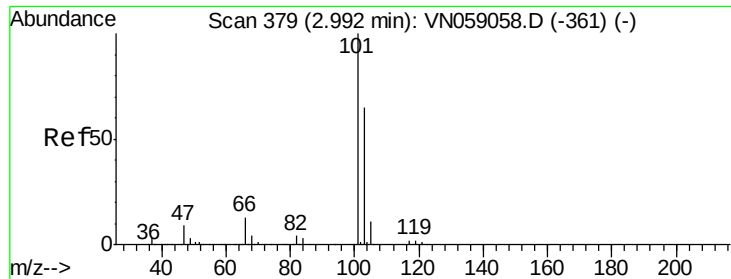
Abundance Ion 63.90 (63.60 to 64.60): VN059058.D (-266) (-)

Ion 65.90 (65.60 to 66.60): VN059058.D (-266) (-)

Time-->



Time-->



#7

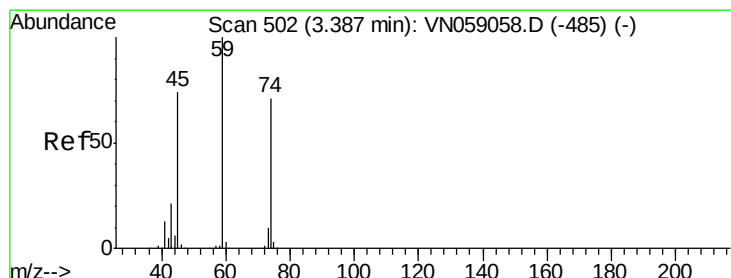
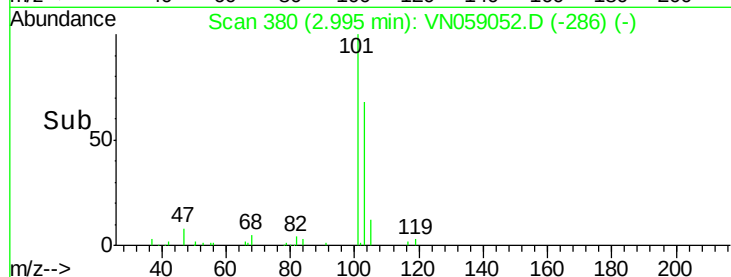
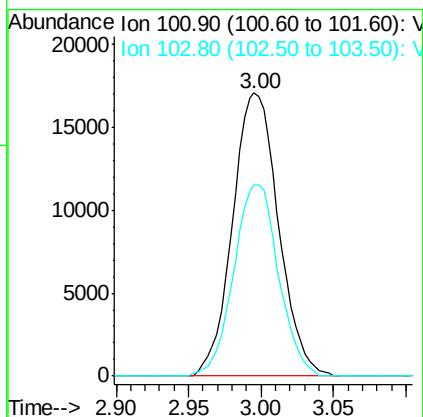
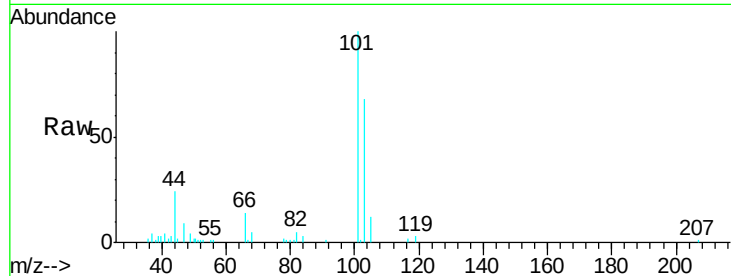
Trichlorofluoromethane
Concen: 4.878 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 101 Resp: 37504
Ion Ratio Lower Upper
101 100
103 67.7 51.7 77.5

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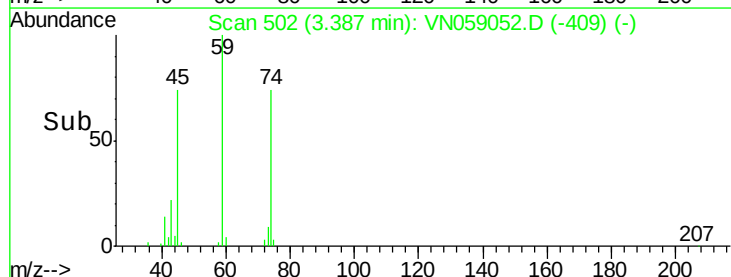
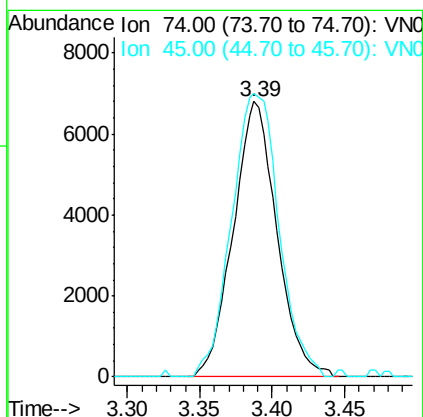
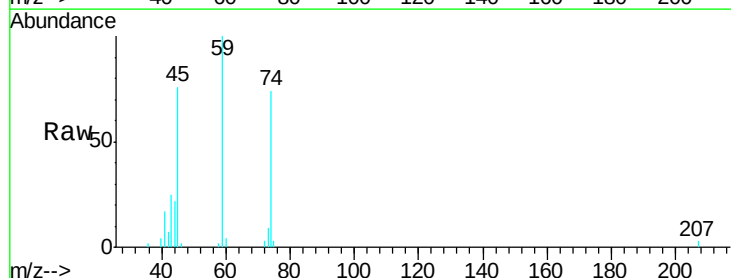
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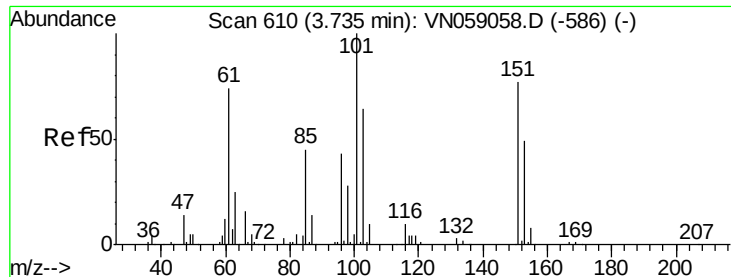


#8

Diethyl Ether
Concen: 5.214 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 74 Resp: 14255
Ion Ratio Lower Upper
74 100
45 111.8 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.932 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

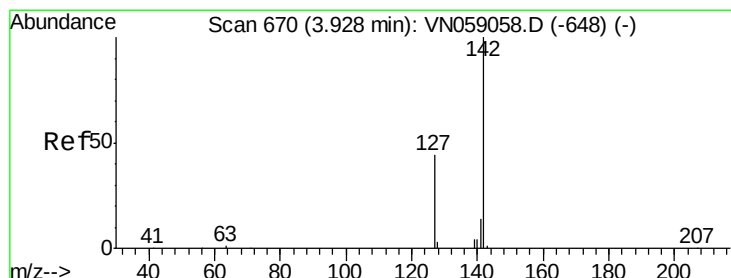
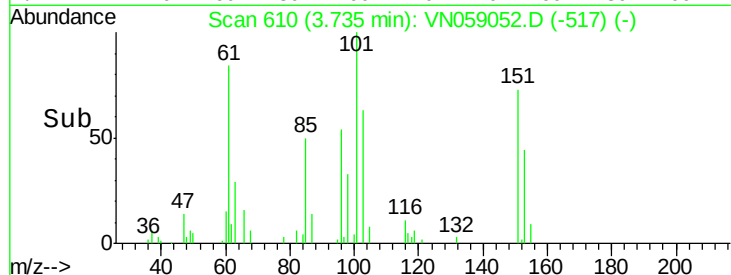
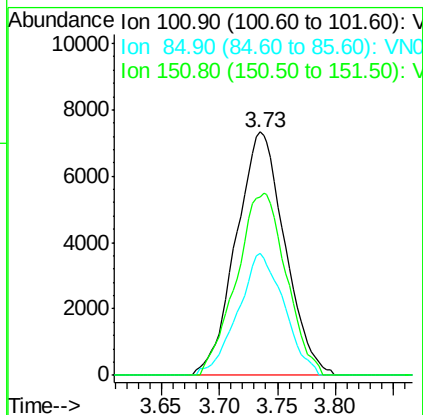
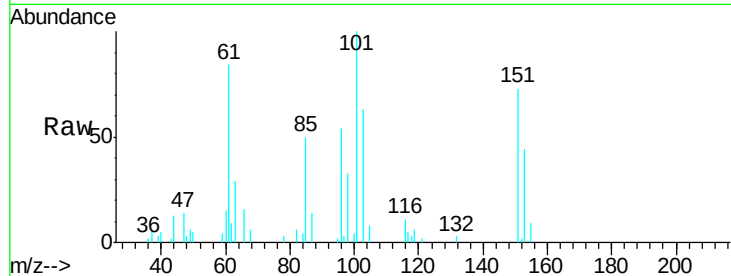
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	21402
Ion Ratio	Lower	Upper	
101	100		
85	47.5	35.0	52.6
151	76.4	61.3	91.9

Manual Integrations
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11/5/2019 1:58:41 PM



#10

Methyl Iodide

Concen: 3.766 ug/l

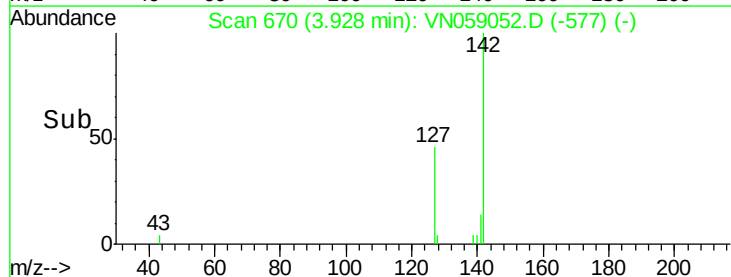
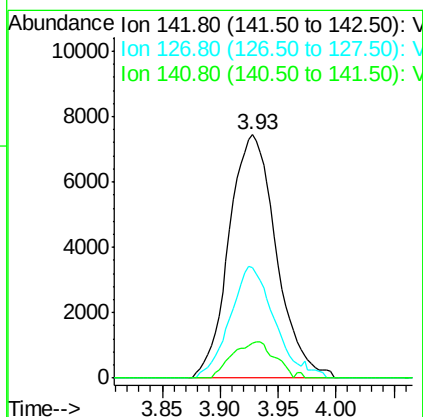
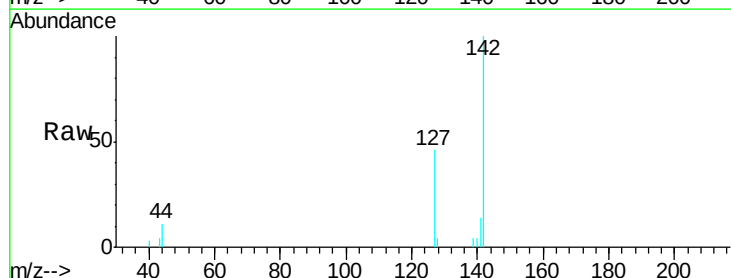
RT: 3.93 min Scan# 670

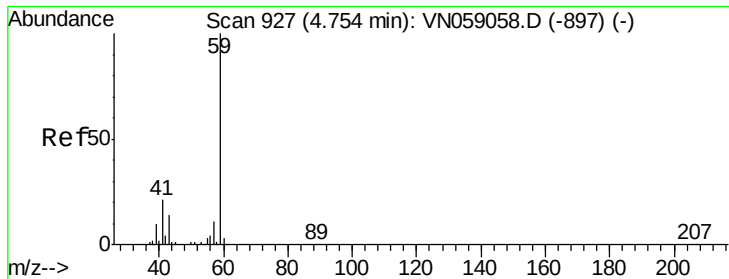
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	142	Resp:	21077
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.2	51.2
141	13.3	11.1	16.7





#11

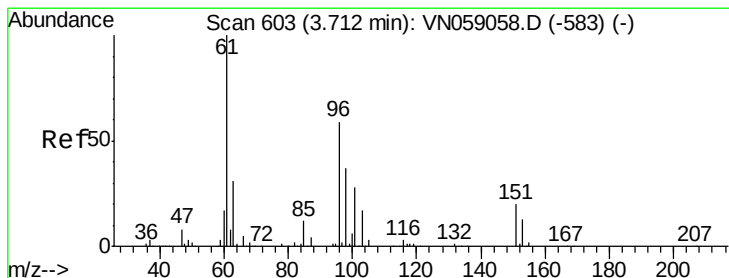
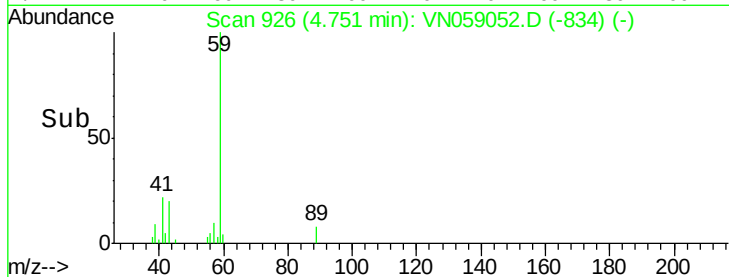
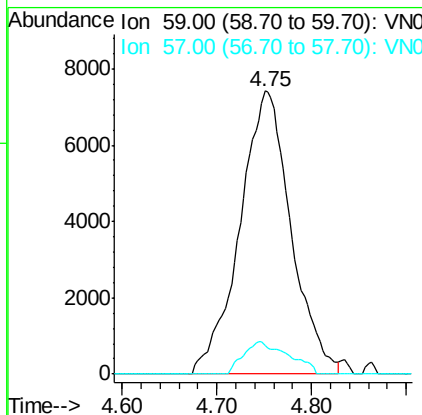
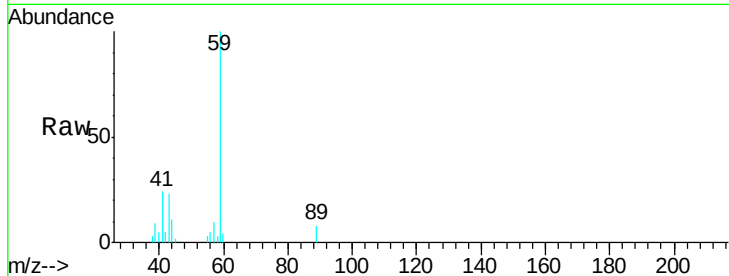
Tert butyl alcohol
 Concen: 27.589 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 59 Resp: 27921
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

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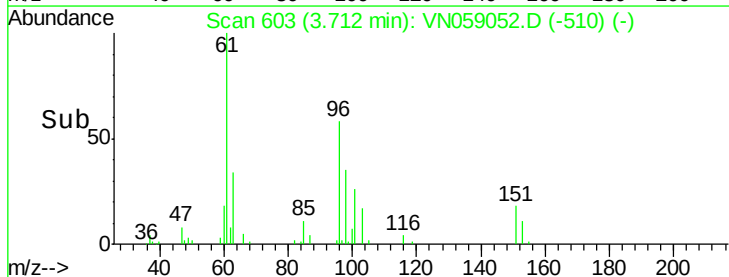
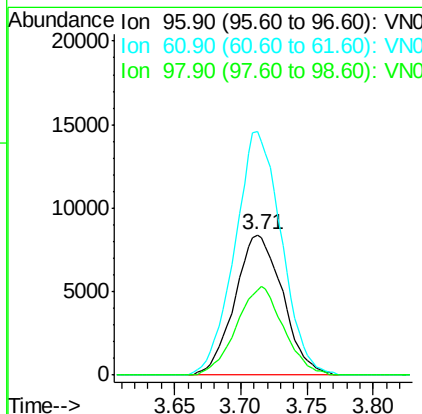
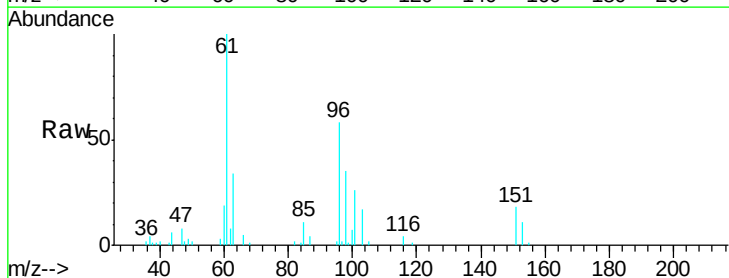
MMDadoda
 11/5/2019 1:58:41 PM

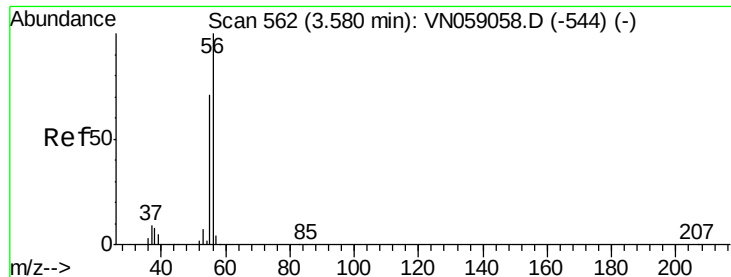


#12

1,1-Dichloroethene
 Concen: 5.182 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 96 Resp: 21138
 Ion Ratio Lower Upper
 96 100
 61 173.5 135.3 202.9
 98 60.1 49.4 74.2





#13

Acrolein

Concen: 19.141 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 13067

Ion Ratio Lower Upper

56 100

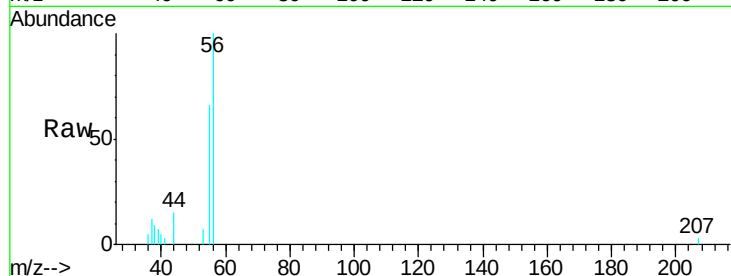
55 70.4 56.1 84.1

Manual Integrations

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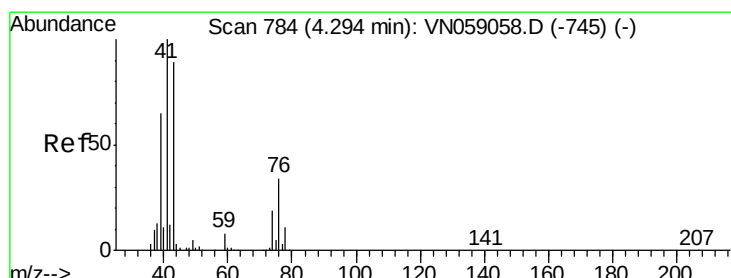
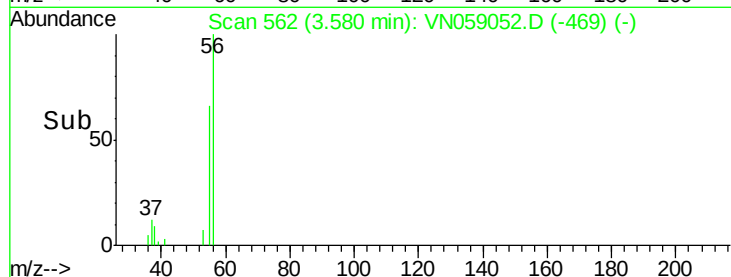
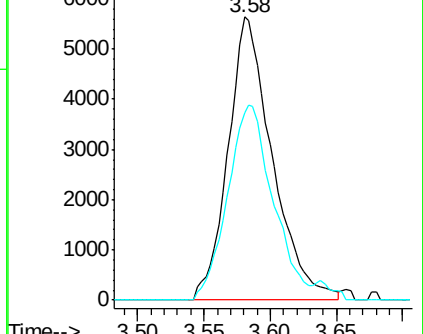
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.607 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

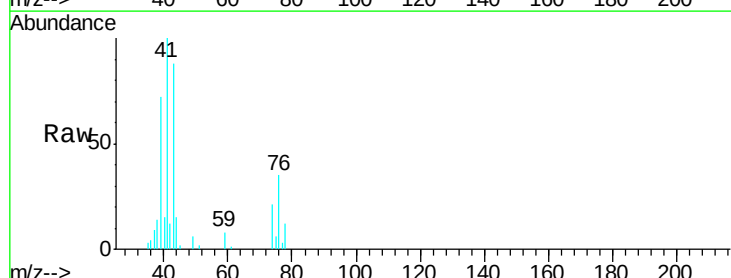
Tgt Ion: 41 Resp: 37948

Ion Ratio Lower Upper

41 100

39 71.5 49.4 74.2

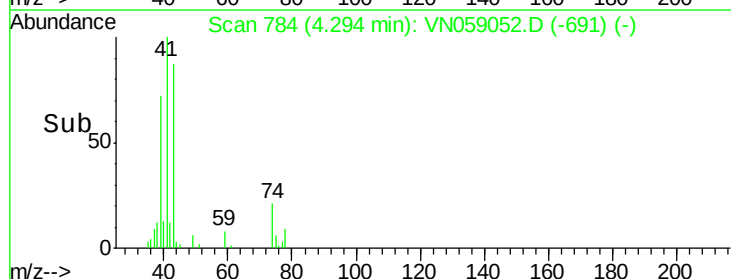
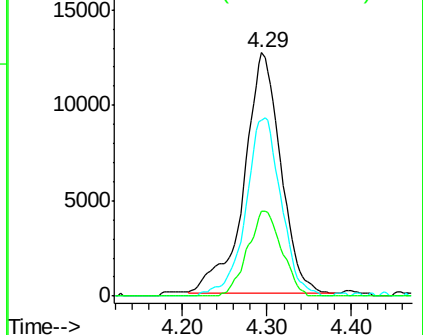
76 32.9 24.6 37.0

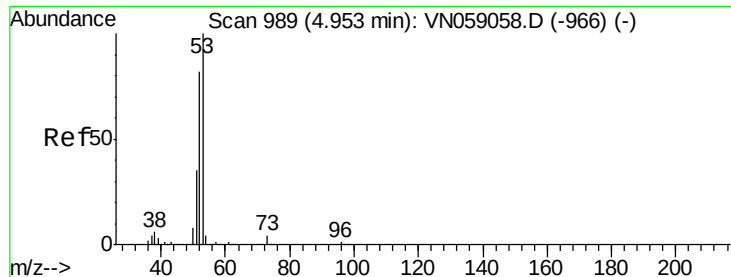


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 24.137 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

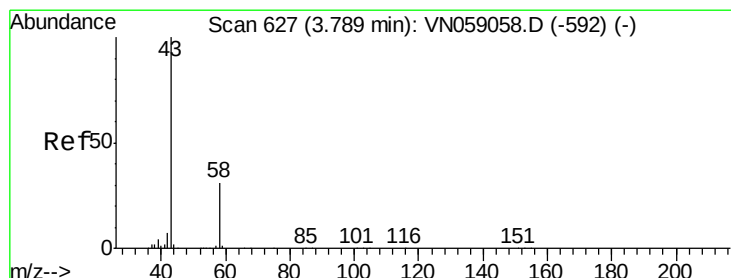
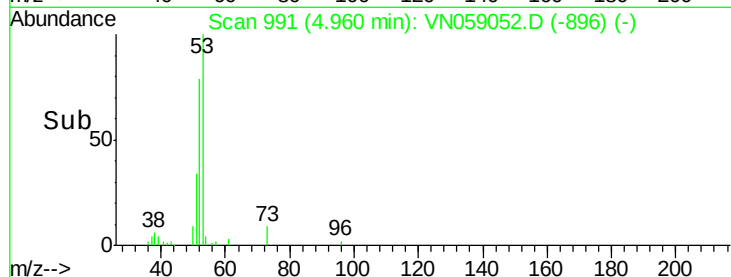
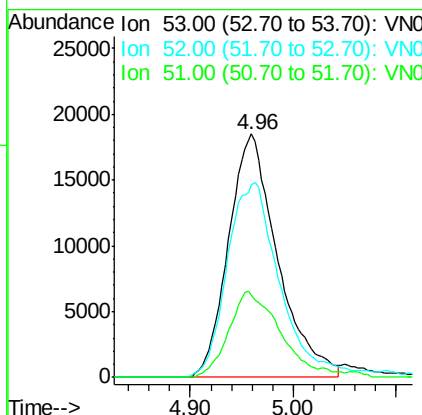
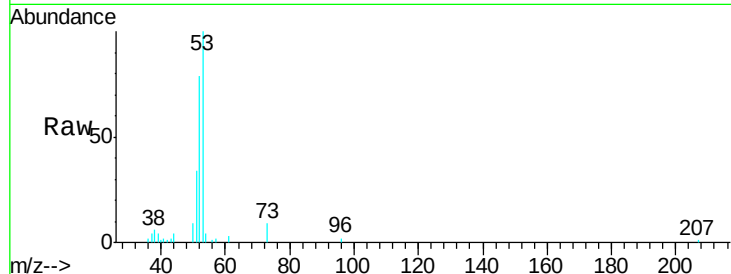
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	61024
Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.0	99.0
51	36.1	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 22.934 ug/l

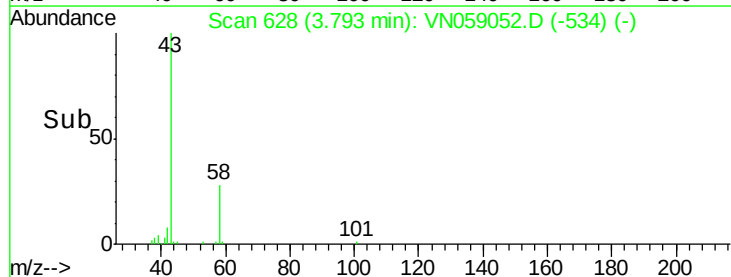
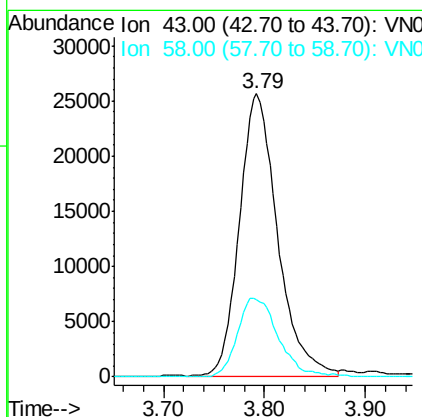
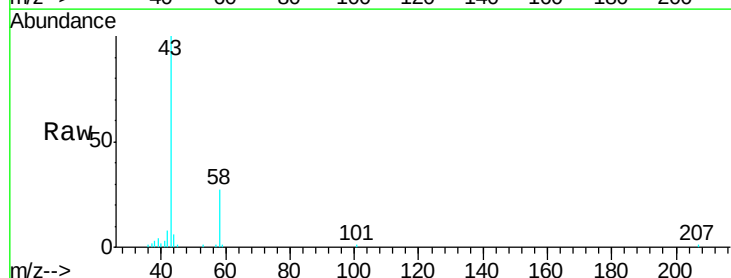
RT: 3.79 min Scan# 628

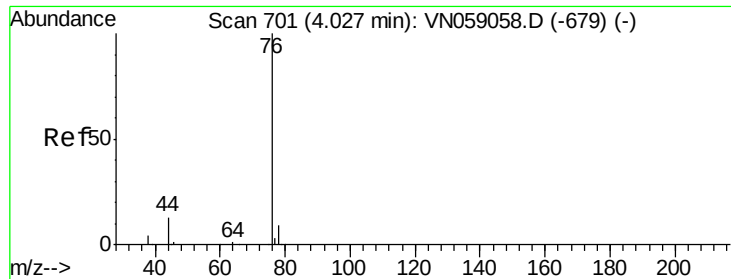
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	43	Resp:	67692
Ion	Ratio	Lower	Upper
43	100		
58	27.3	25.0	37.6





#17

Carbon Disulfide

Concen: 5.079 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 66437

Ion Ratio Lower Upper

76 100

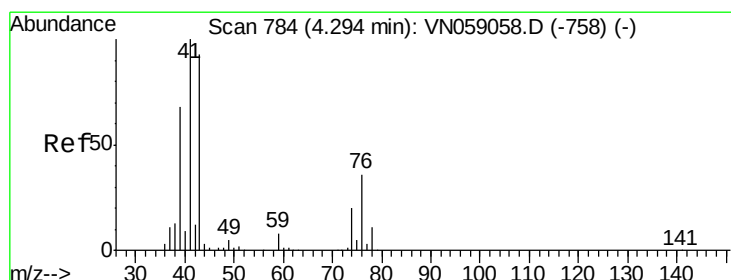
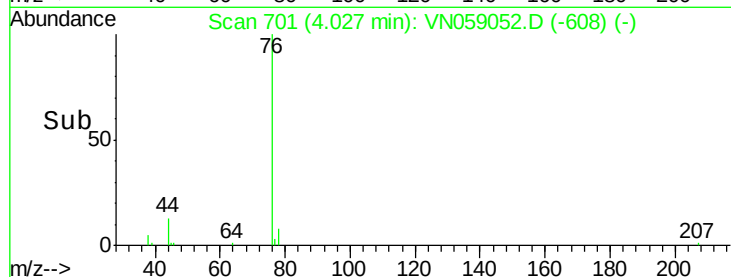
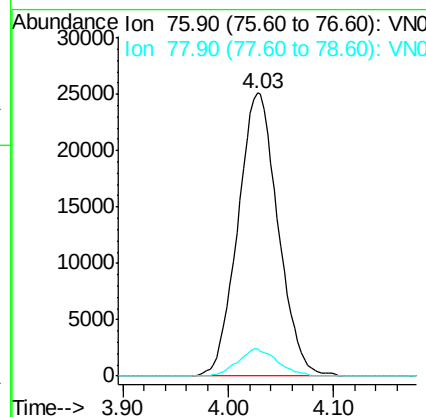
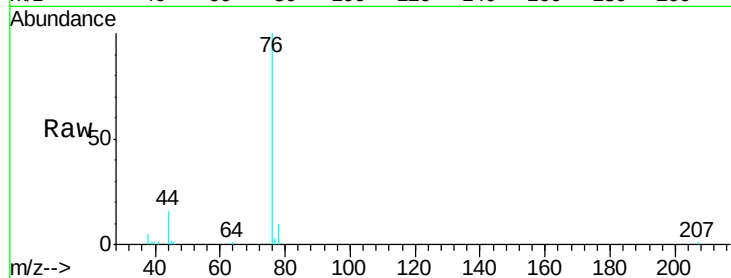
78 9.7 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 5.169 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN059052.D

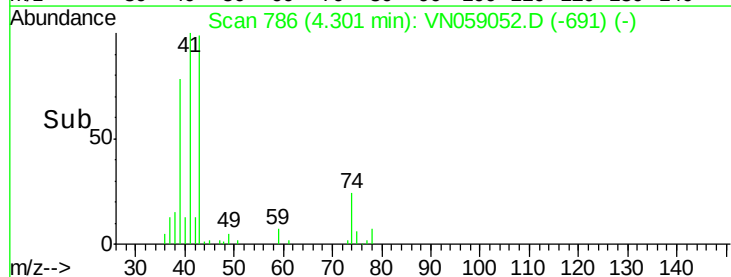
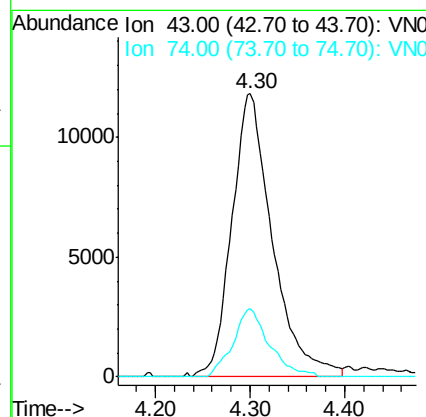
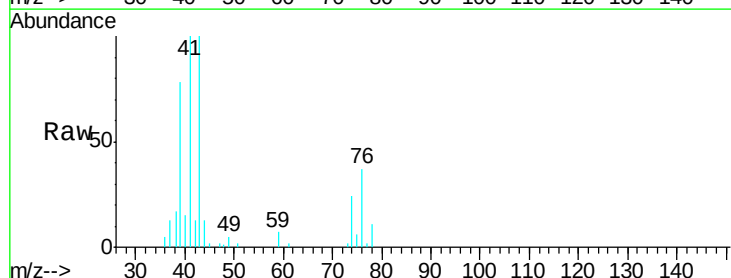
Acq: 1 Nov 2019 10:47

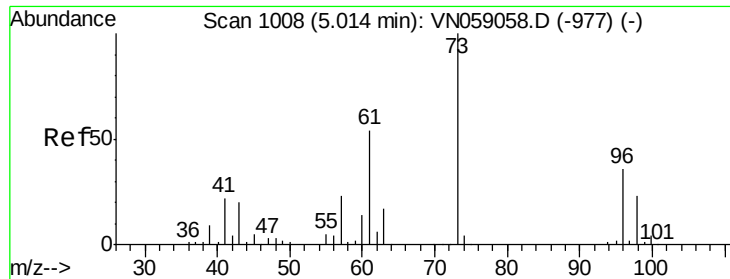
Tgt Ion: 43 Resp: 35318

Ion Ratio Lower Upper

43 100

74 21.6 17.5 26.3





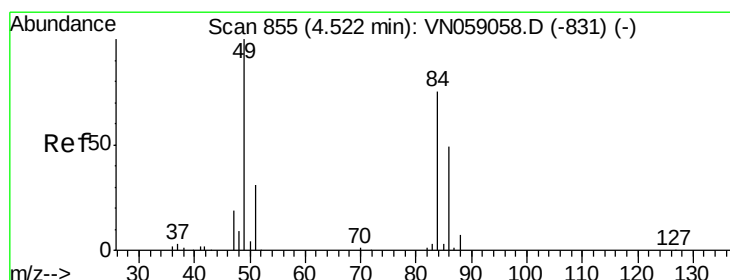
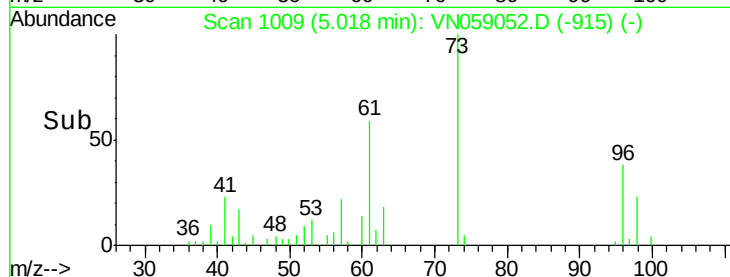
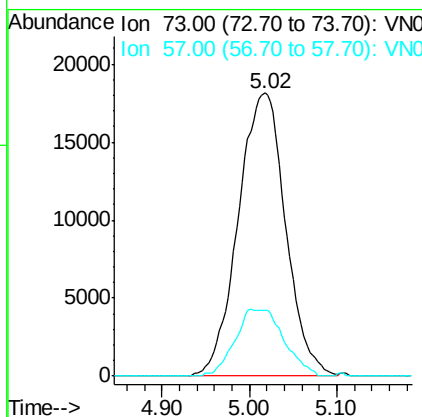
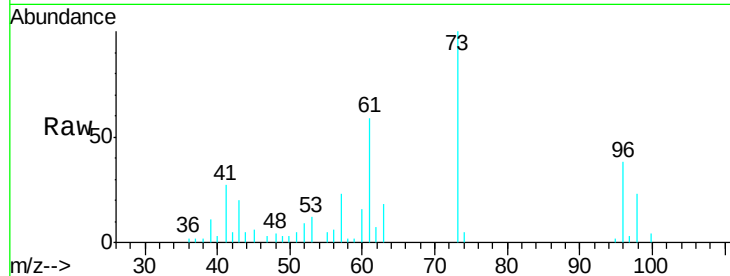
#19
Methyl tert-butyl Ether
Concen: 4.801 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 68149
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6

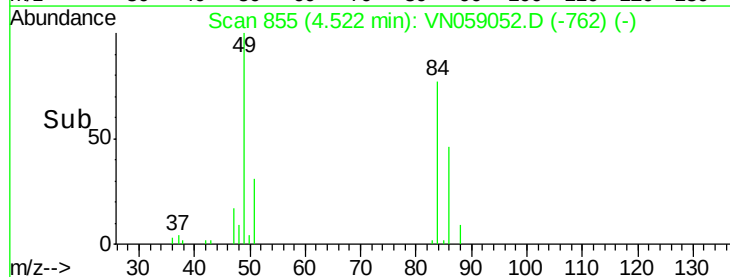
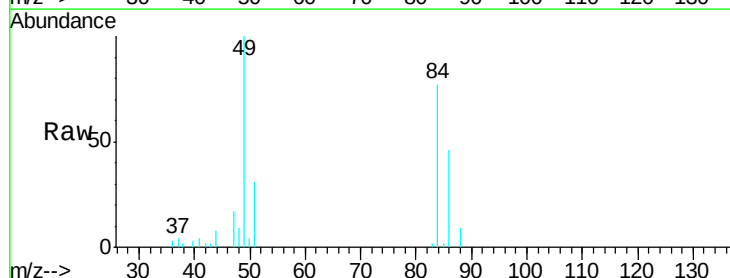
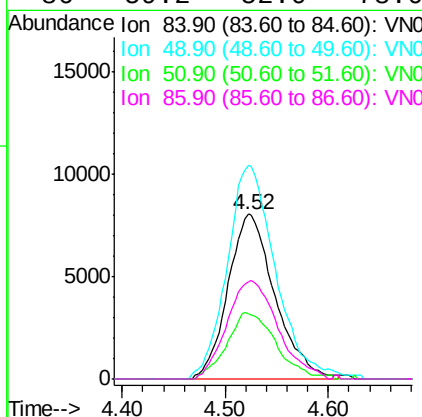
Manual Integrations
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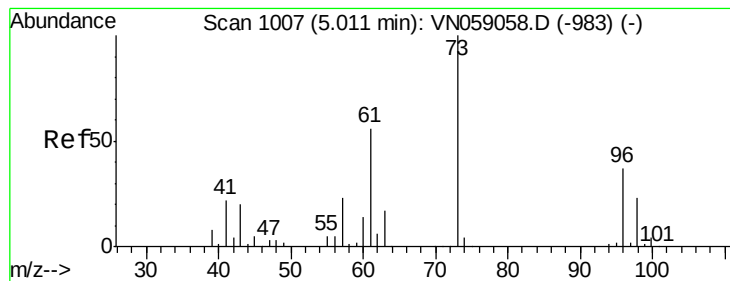
MMDadoda
11/5/2019 1:58:41 PM



#20
Methylene Chloride
Concen: 4.995 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 84 Resp: 25520
Ion Ratio Lower Upper
84 100
49 129.5 106.4 159.6
51 39.8 33.0 49.4
86 59.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 5.091 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

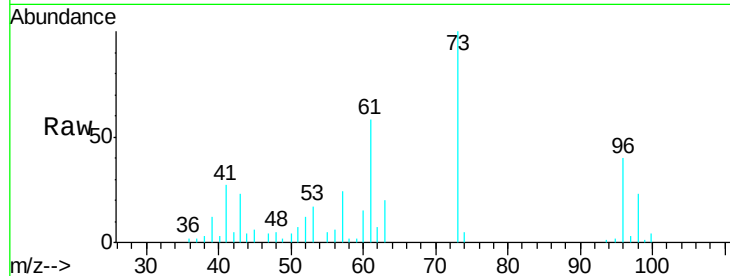
ClientSampled :

VSTDIC005

Tgt Ion:	96	Resp:	22825
Ion	Ratio	Lower	Upper
96	100		
61	144.4	121.7	182.5
98	57.9	50.6	76.0

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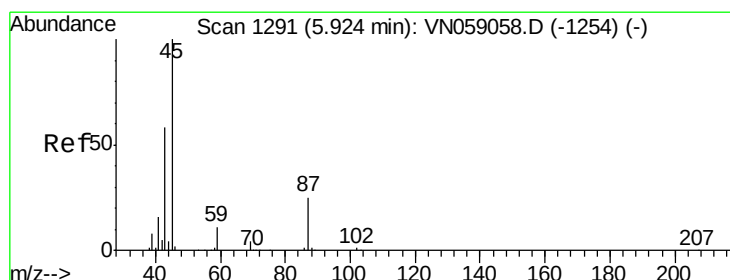
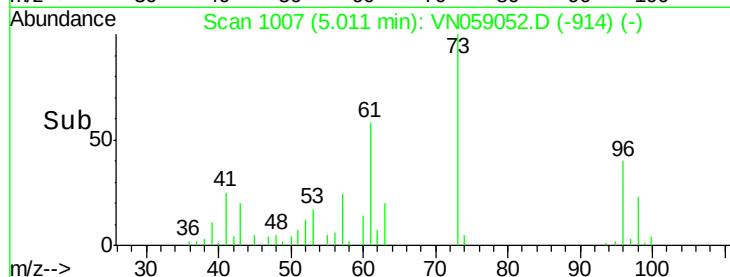
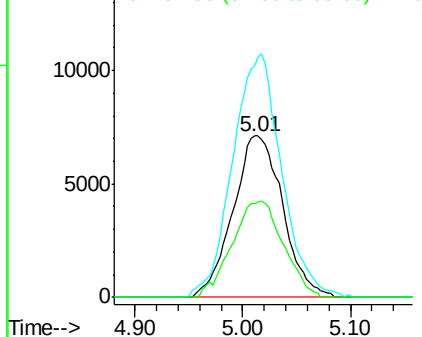


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 4.874 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	45	Resp:	78104
Ion	Ratio	Lower	Upper
45	100		
43	68.5	46.9	70.3
87	24.3	20.1	30.1
59	11.5	9.0	13.4

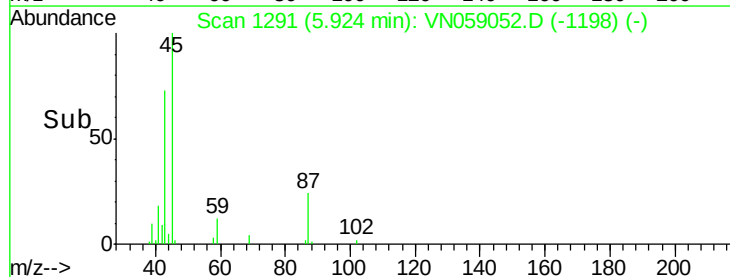
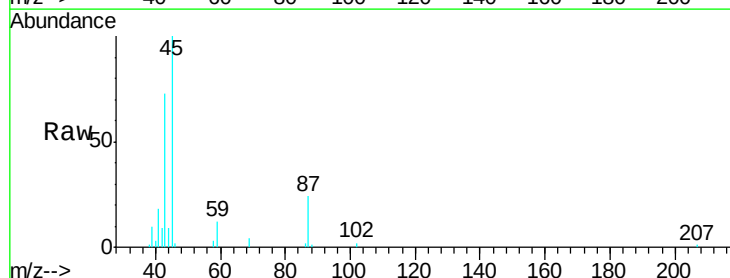
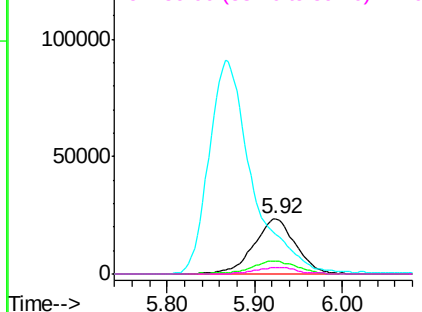
Abundance

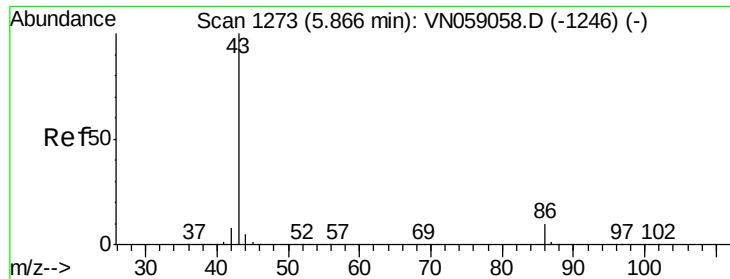
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 24.370 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 312164

Ion Ratio Lower Upper

43 100

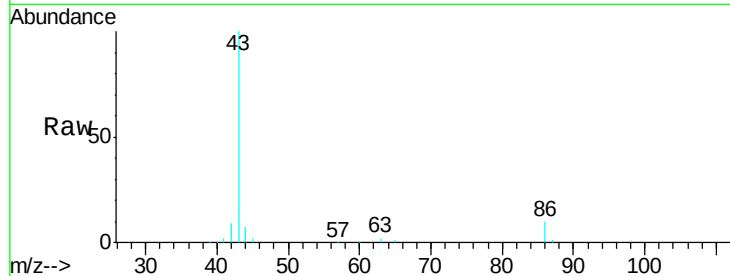
86 9.7 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

100000

80000

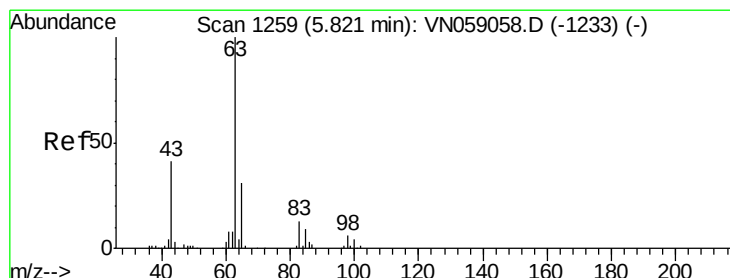
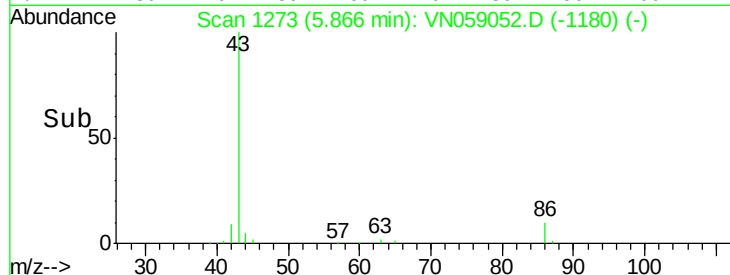
60000

40000

20000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 5.017 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

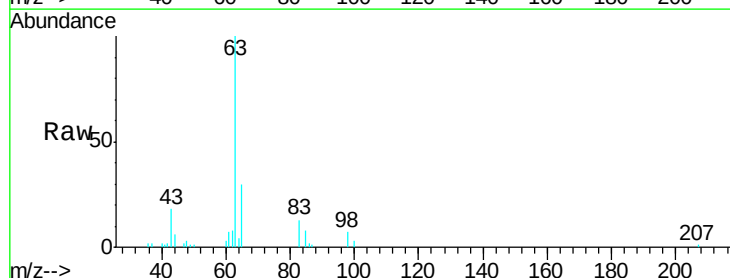
Tgt Ion: 63 Resp: 46621

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 3.3 2.0 6.0



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

20000

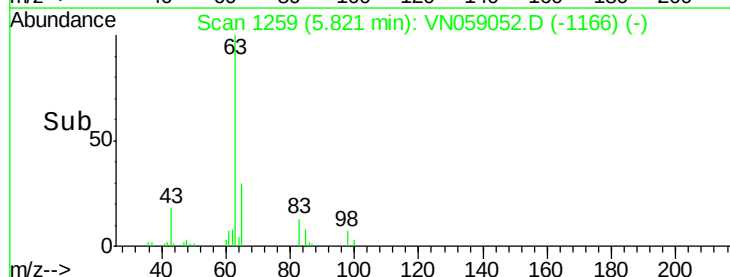
15000

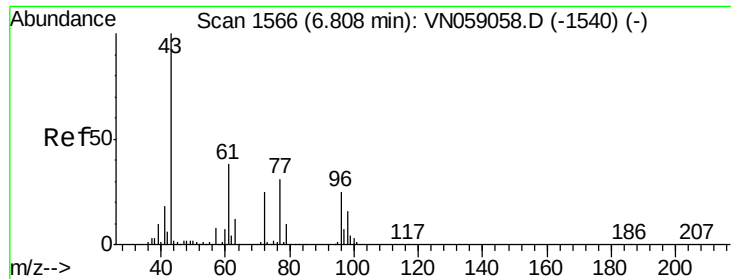
10000

5000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 23.263 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 89696

Ion Ratio Lower Upper

43 100

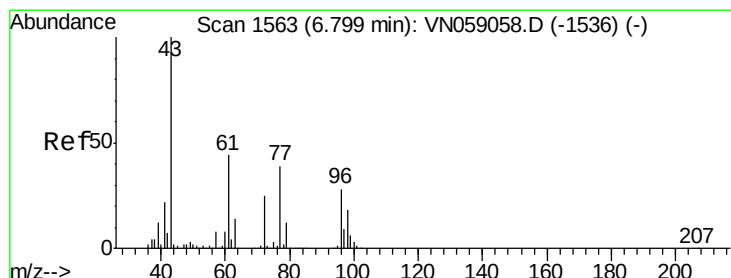
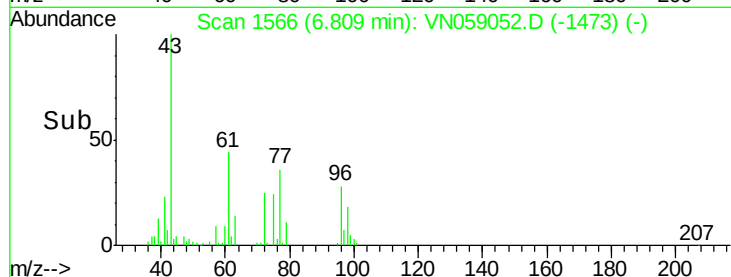
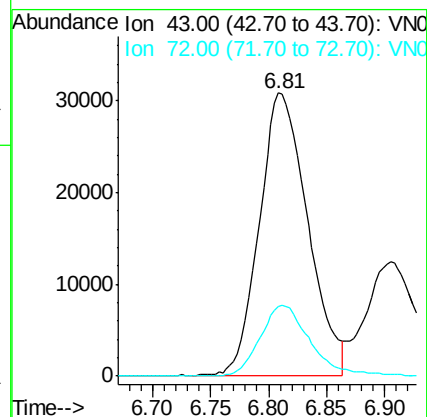
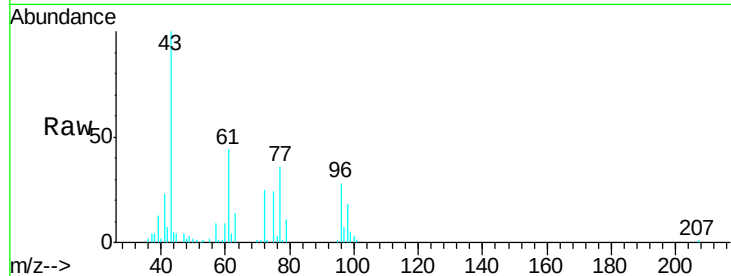
72 24.6 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.073 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059052.D

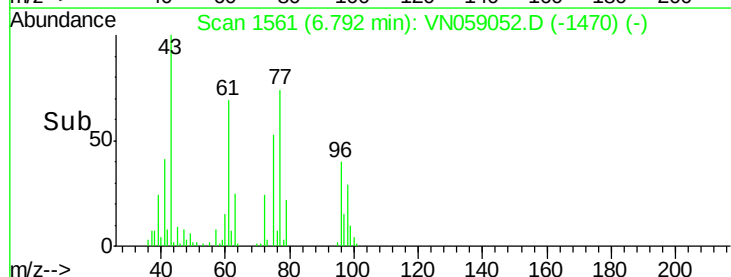
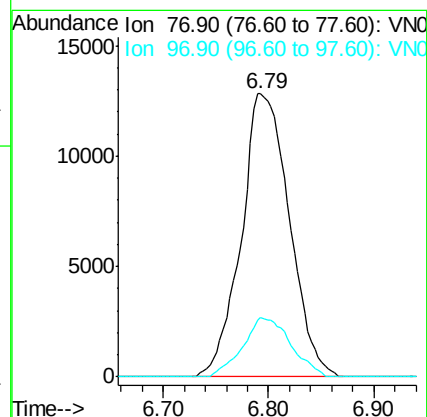
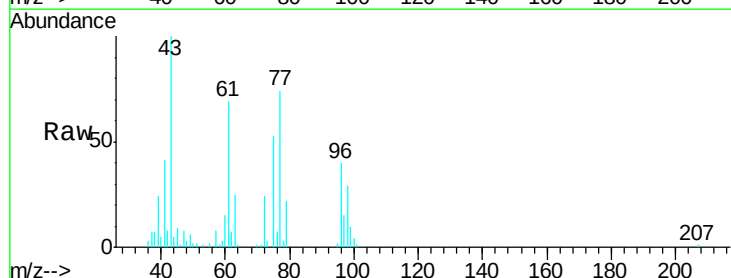
Acq: 1 Nov 2019 10:47

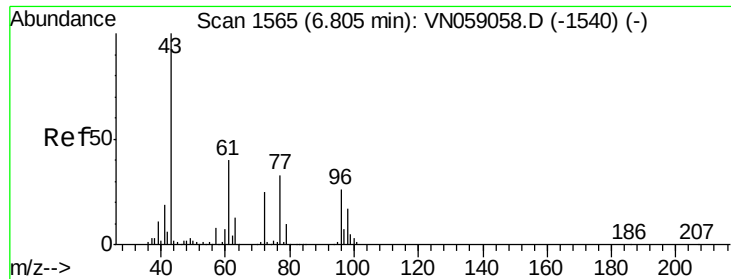
Tgt Ion: 77 Resp: 40630

Ion Ratio Lower Upper

77 100

97 21.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 4.928 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

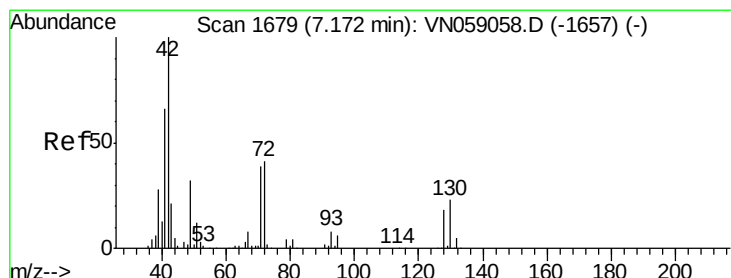
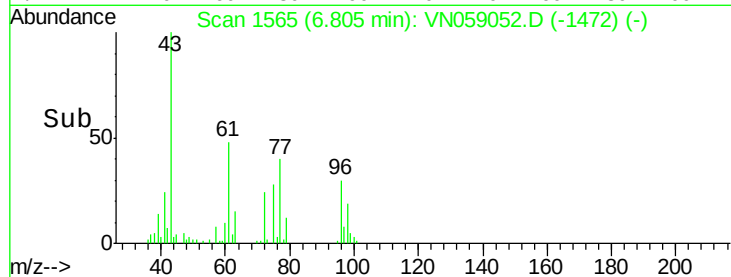
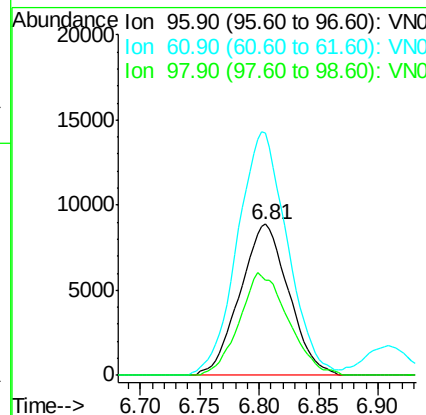
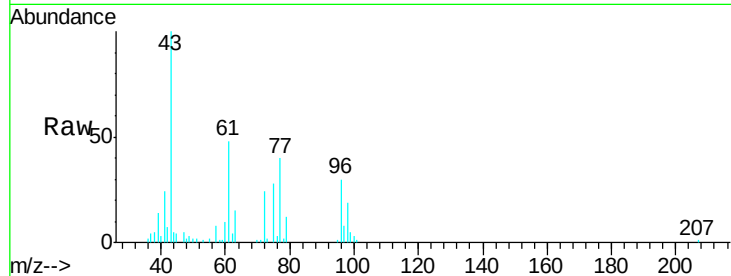
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	25193
Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	316.4
98	67.8	0.0	128.2

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#28

Bromochloromethane

Concen: 4.951 ug/l

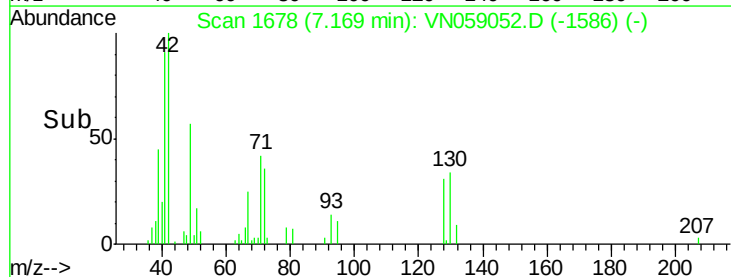
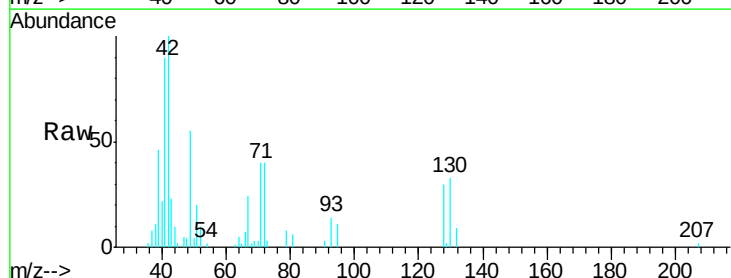
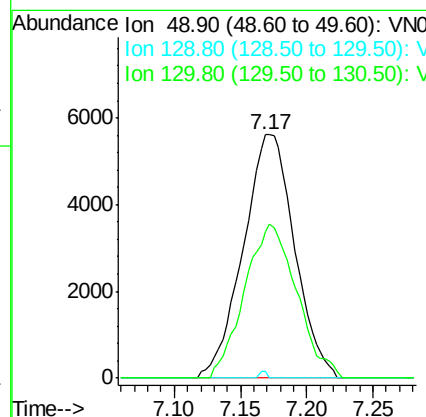
RT: 7.17 min Scan# 1678

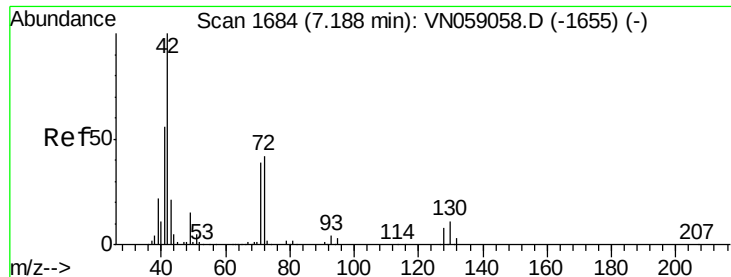
Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	49	Resp:	15094
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.4
130	64.2	55.0	82.6





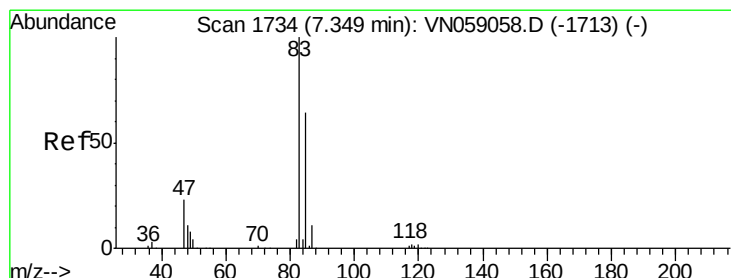
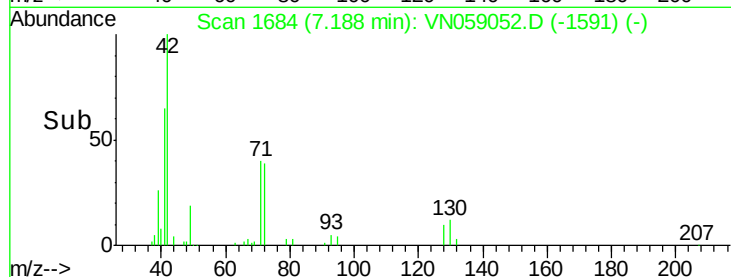
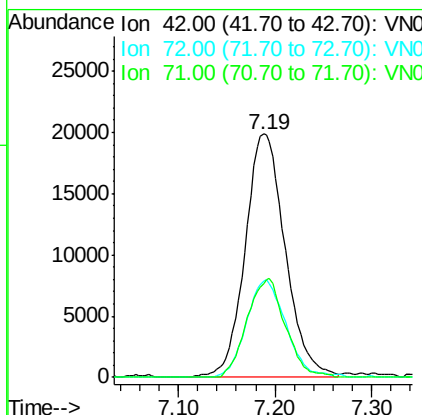
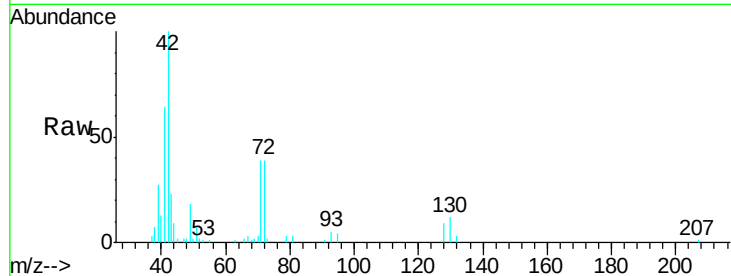
#29
Tetrahydrofuran
Concen: 24.239 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.7	49.1
71	38.8	31.2	46.8

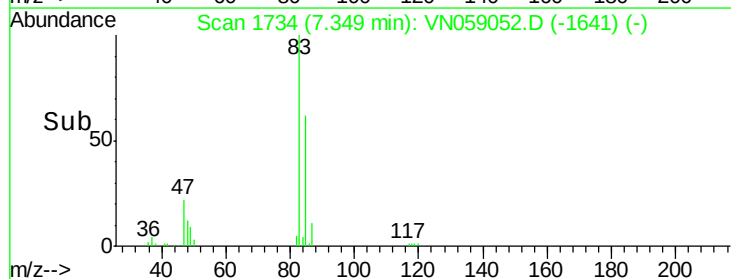
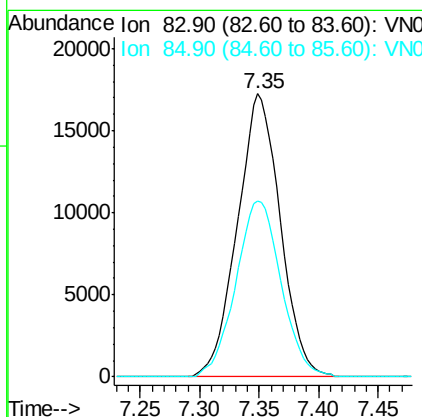
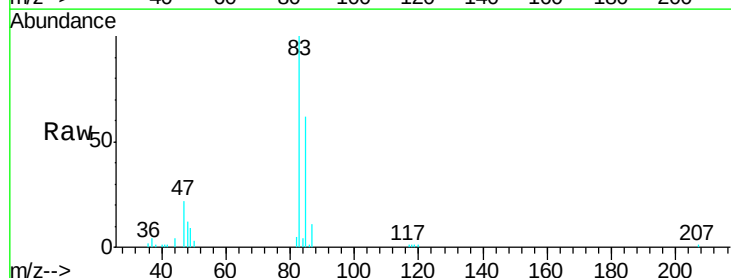
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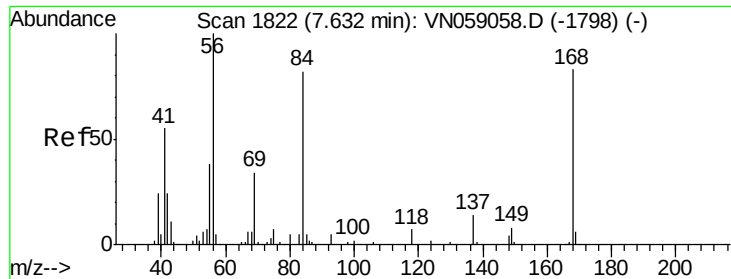
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#30
Chloroform
Concen: 4.650 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.9	76.3





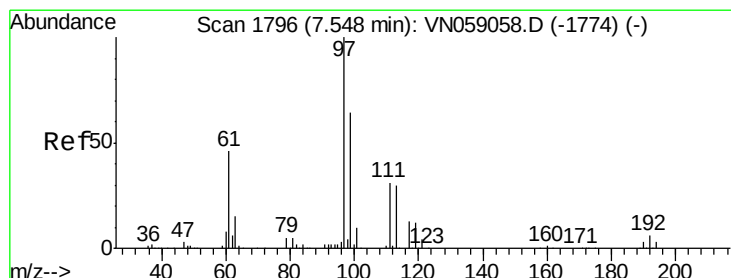
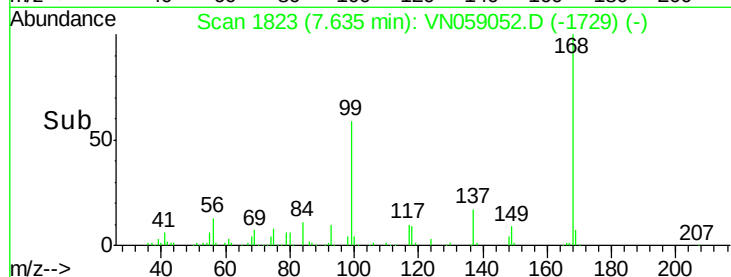
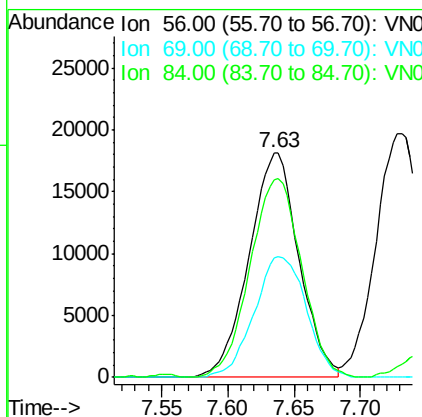
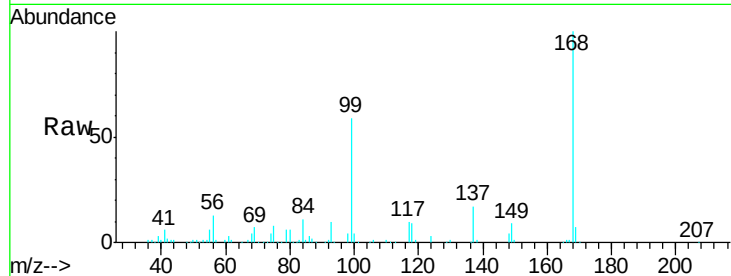
#31
Cyclohexane
Concen: 5.507 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	53.1	27.2	40.8#
84	88.1	65.2	97.8

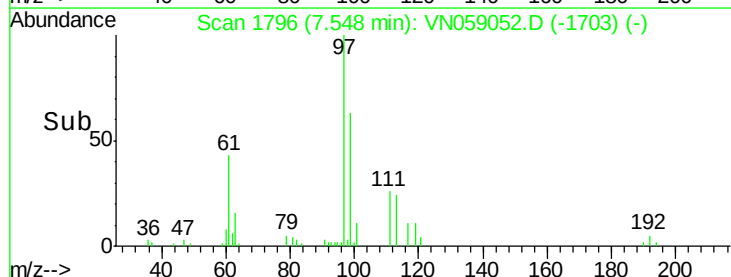
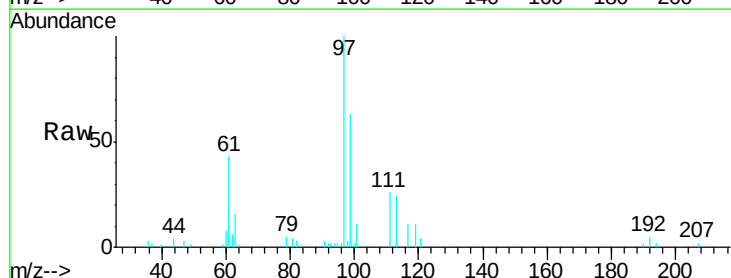
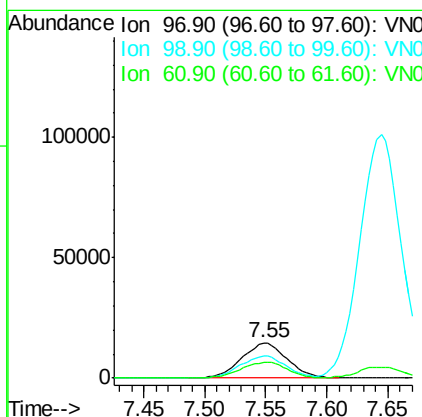
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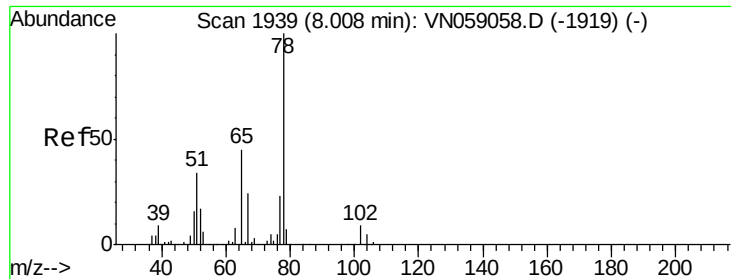
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.810 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.7	76.1
61	46.9	36.3	54.5





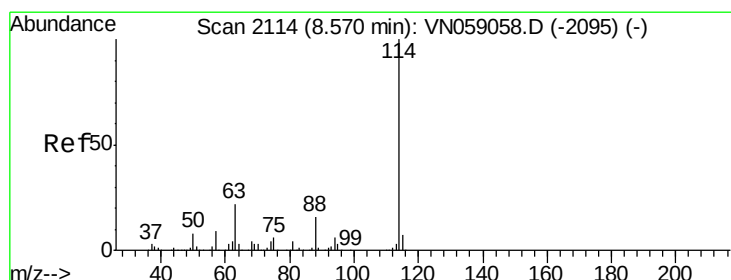
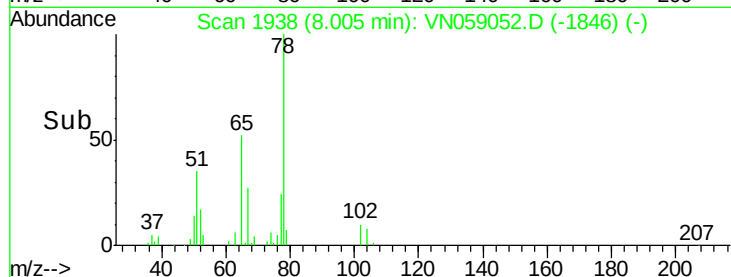
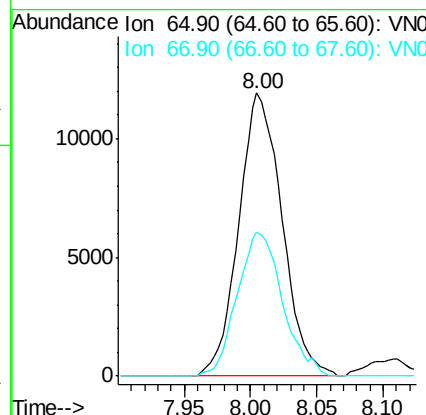
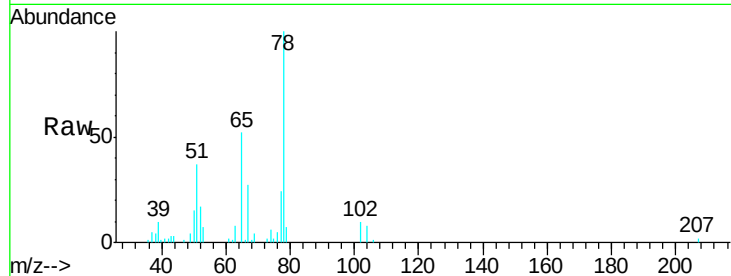
#33
 1,2-Dichloroethane-d4
 Concen: 4.515 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion: 65 Resp: 27036
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6

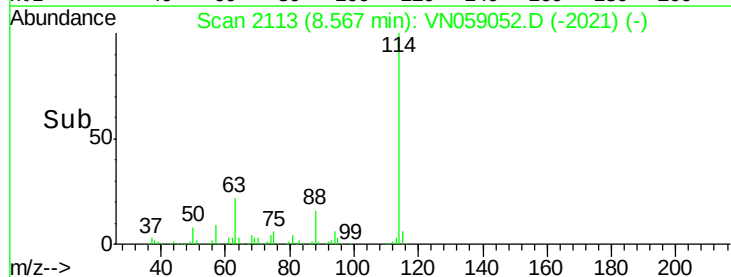
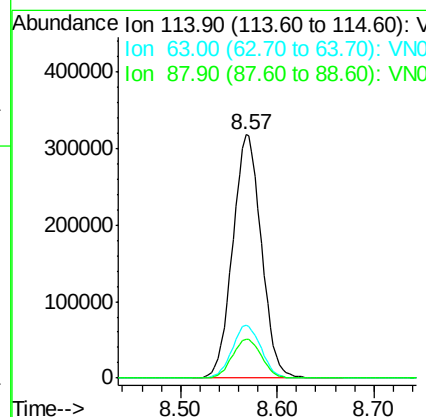
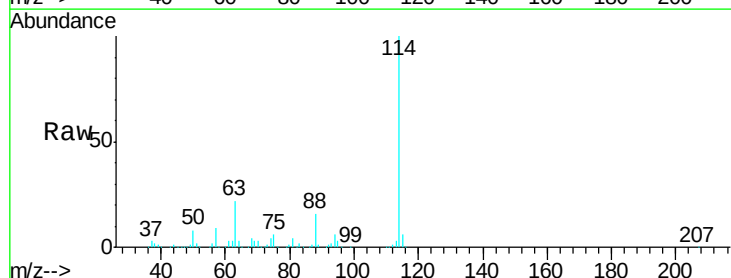
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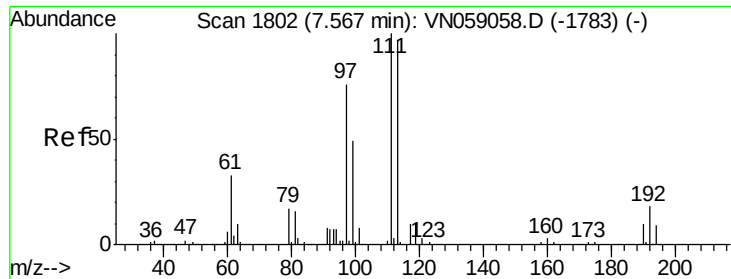
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 114 Resp: 654787
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.0 0.0 33.0





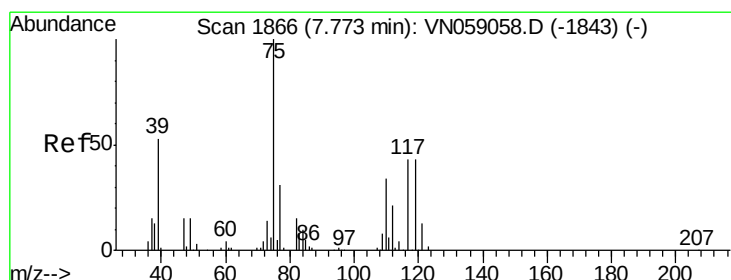
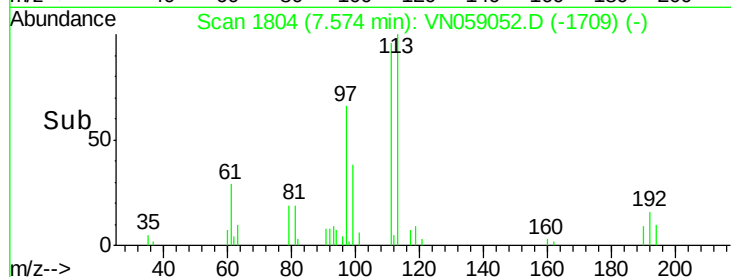
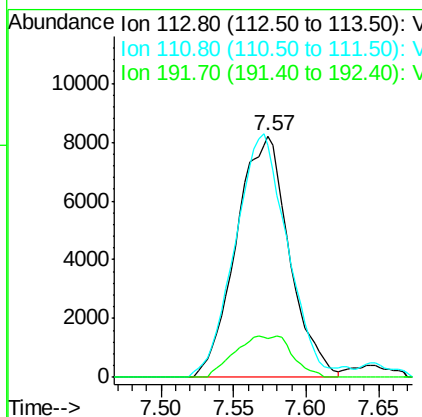
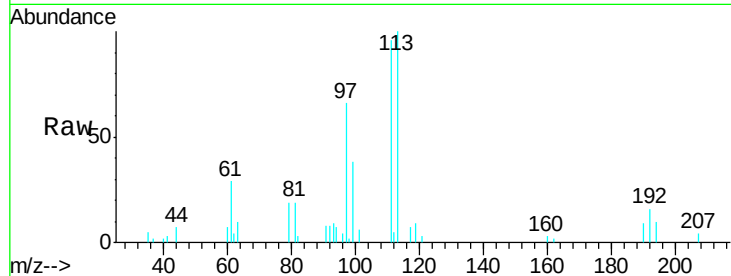
#35
 Dibromofluoromethane
 Concen: 4.866 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	20870		
111	99.1	82.9	124.3	
192	11.1	15.9	23.9	

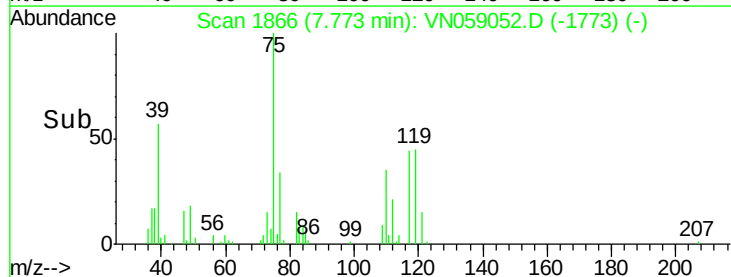
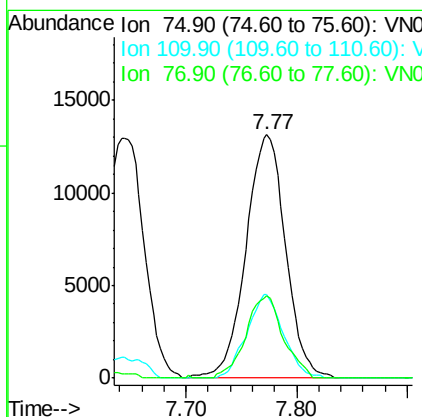
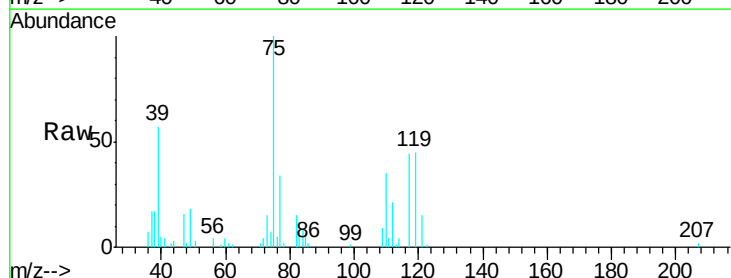
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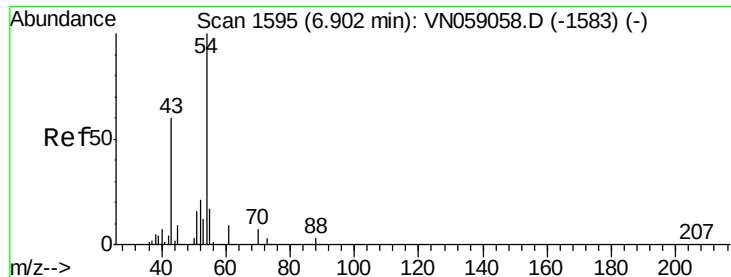
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#36
 1,1-Dichloropropene
 Concen: 4.963 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32726		
110	31.7	16.9	50.6	
77	31.9	25.0	37.4	





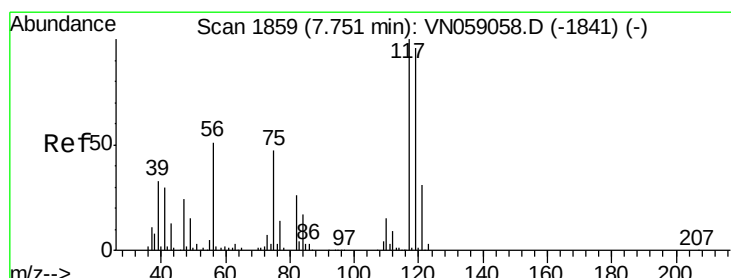
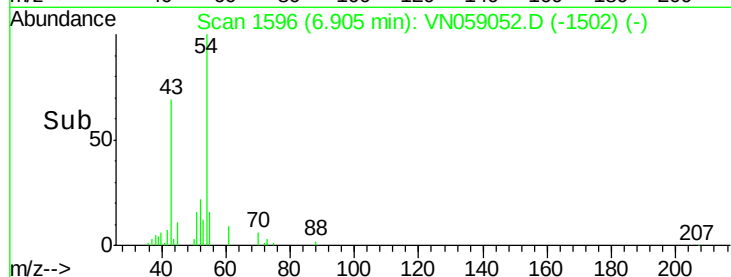
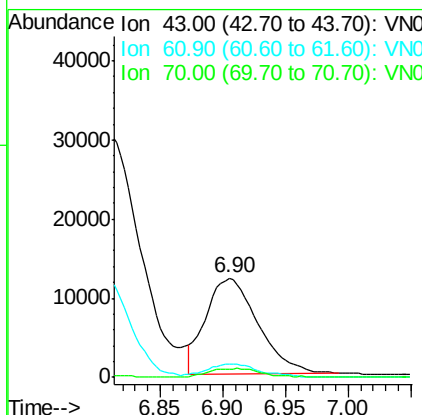
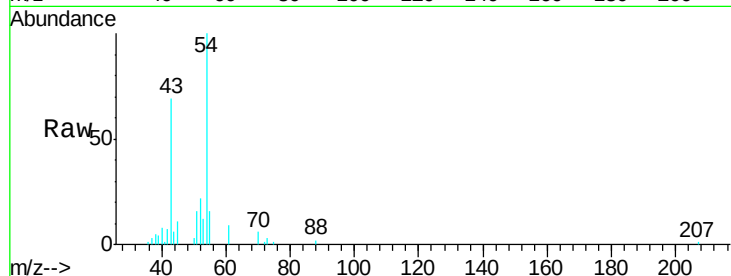
#37
Ethyl Acetate
 Concen: 4.895 ug/l
 RT: 6.90 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.2	16.8
70	9.1	8.0	12.0

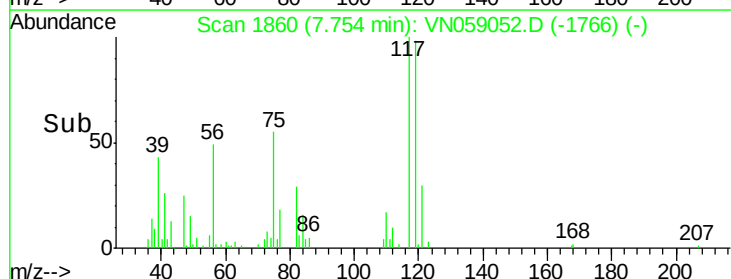
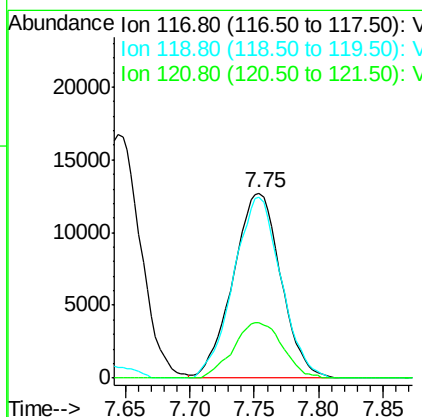
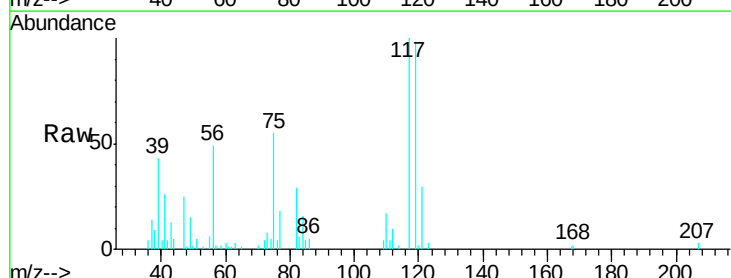
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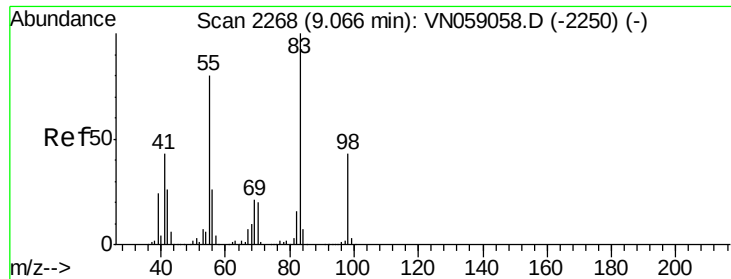
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#38
Carbon Tetrachloride
 Concen: 4.846 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.6	114.8
121	29.8	24.6	37.0





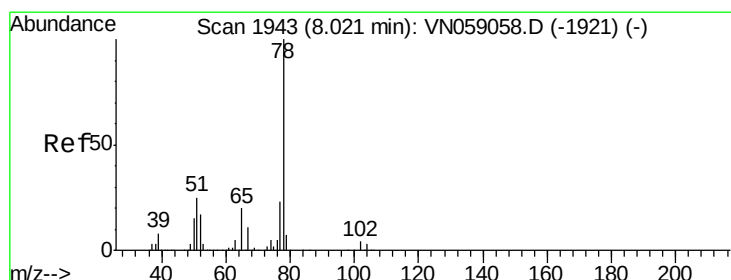
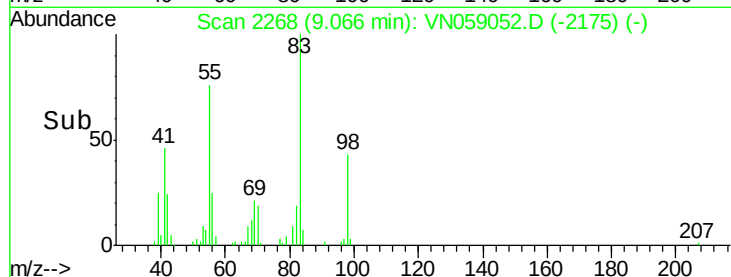
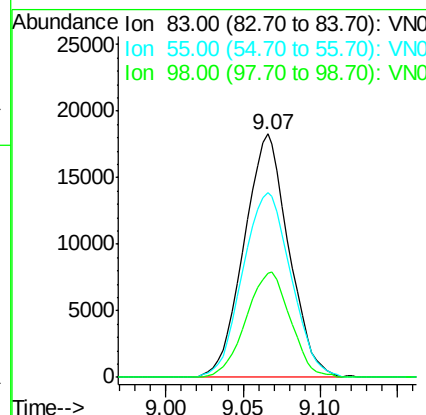
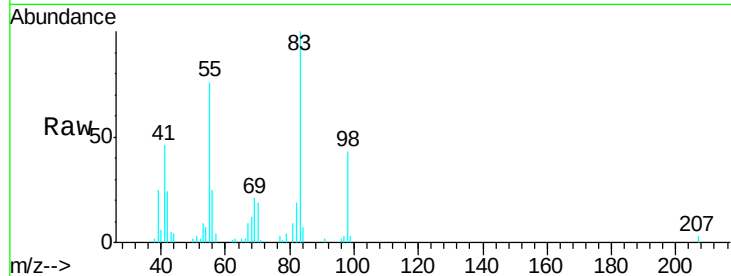
#39
Methylcyclohexane
Concen: 4.921 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.1	64.1	96.1
98	42.9	34.3	51.5

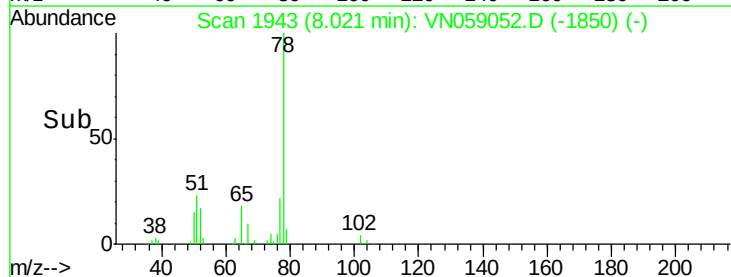
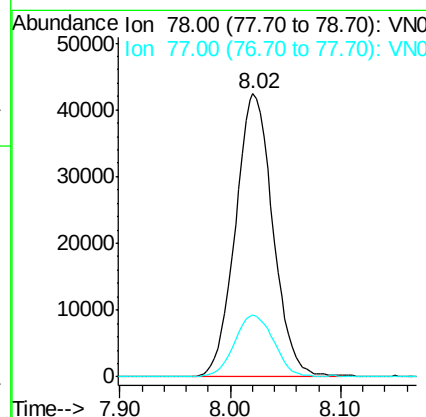
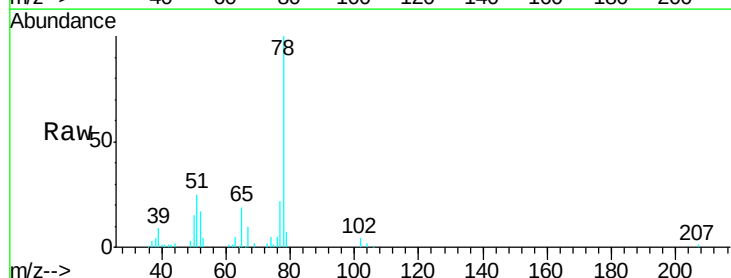
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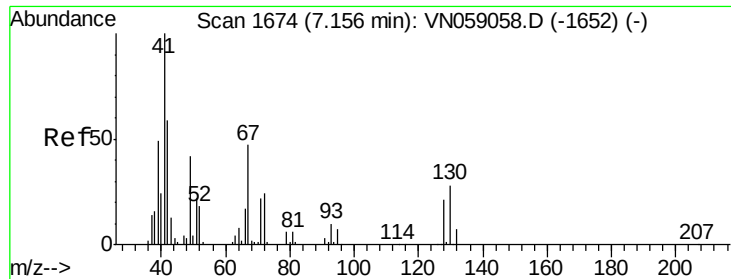
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#40
Benzene
Concen: 5.122 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	18.6	27.8





#41

Methacrylonitrile

Concen: 4.118 ug/l m

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

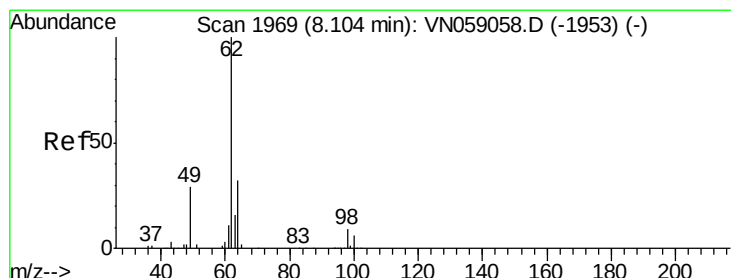
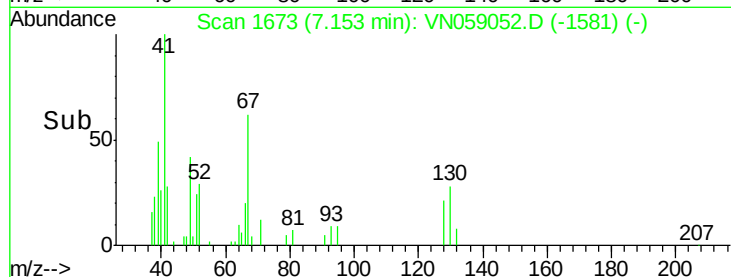
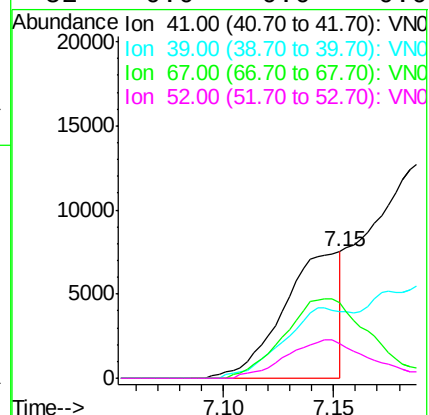
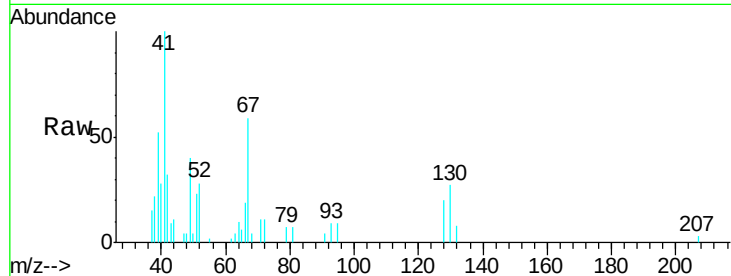
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	120.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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11/5/2019 1:58:41 PM



#42

1,2-Dichloroethane

Concen: 4.728 ug/l

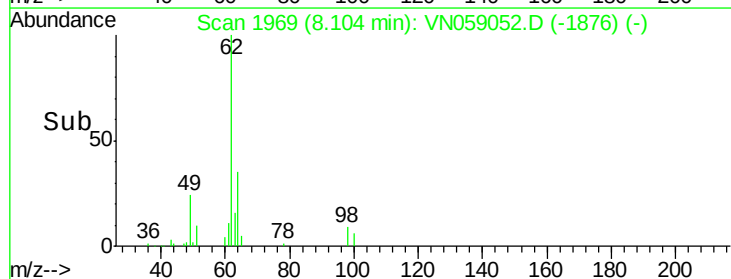
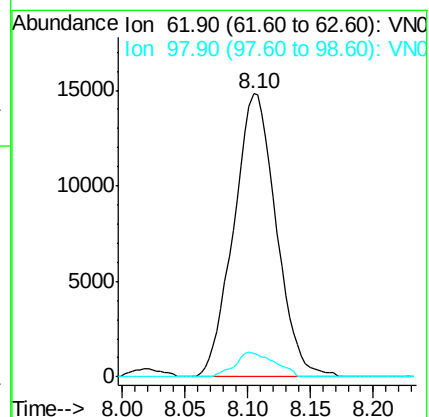
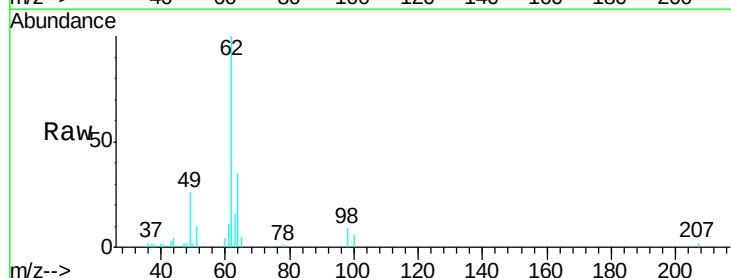
RT: 8.10 min Scan# 1969

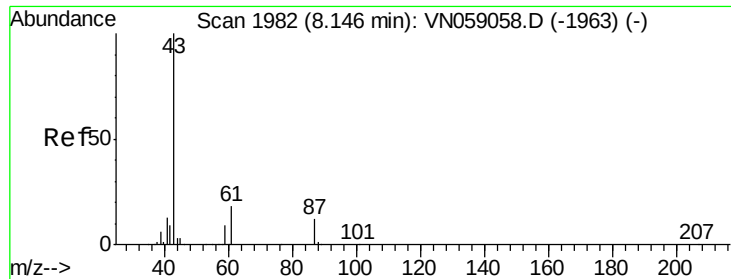
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.0





#43

Isopropyl Acetate

Concen: 4.837 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

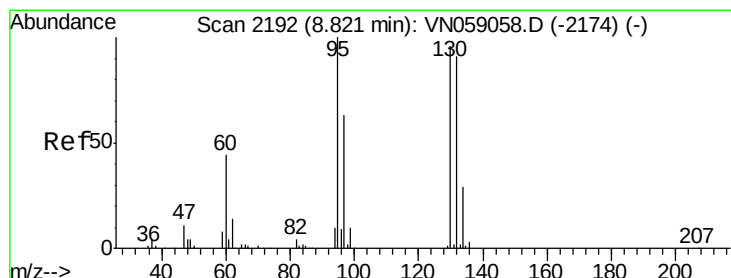
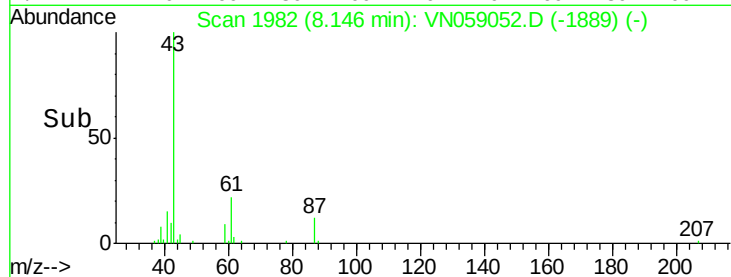
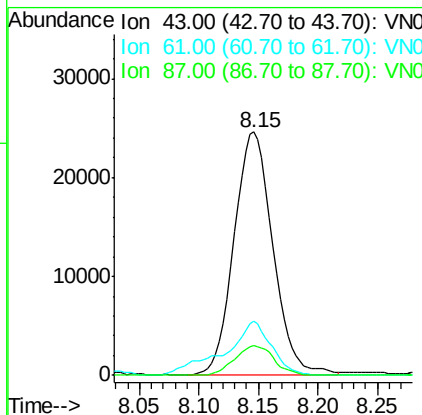
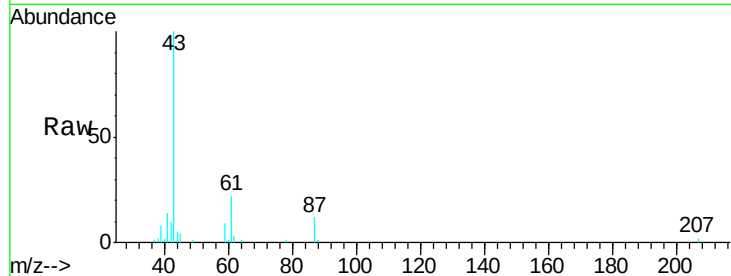
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	55945
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.5	30.7
87	12.1	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 5.063 ug/l

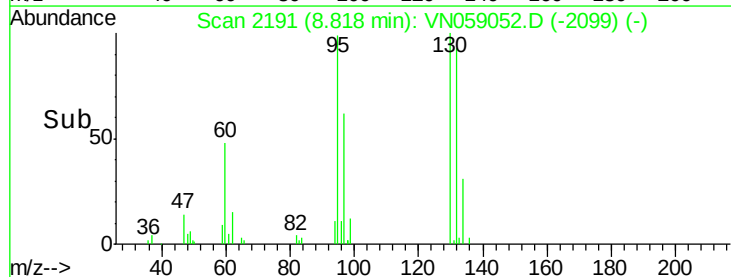
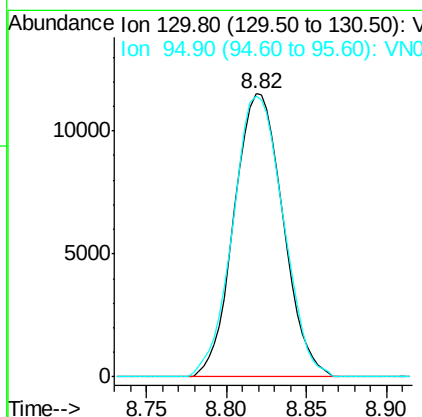
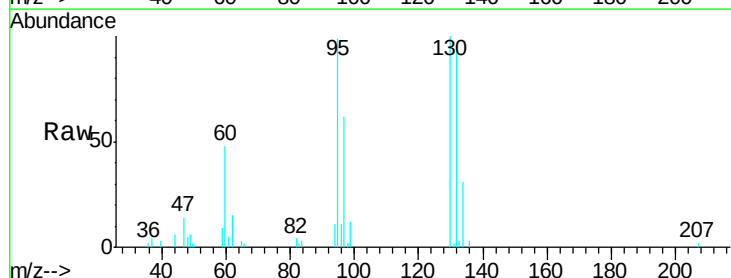
RT: 8.82 min Scan# 2191

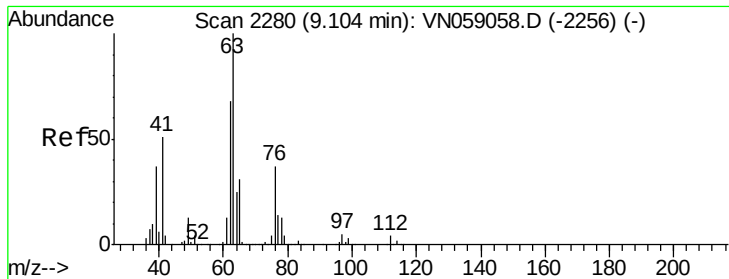
Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	130	Resp:	24035
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	207.6





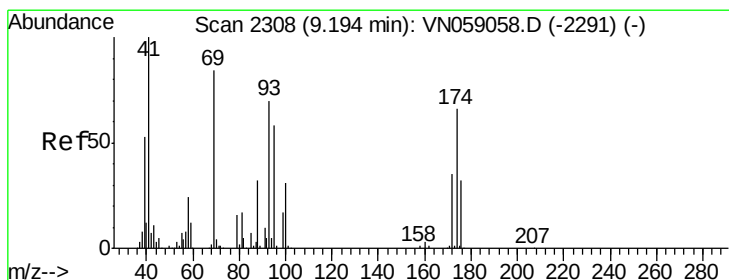
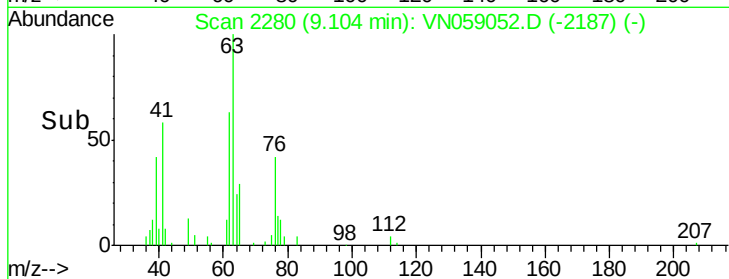
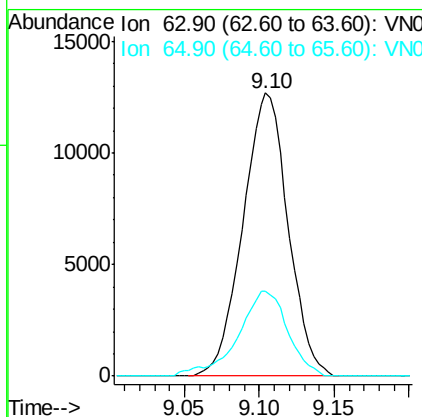
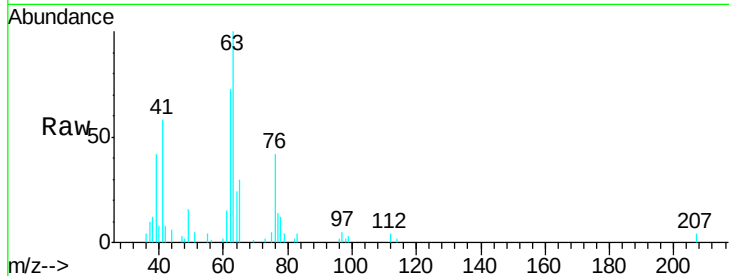
#45
 1,2-Dichloropropane
 Concen: 4.994 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 26607
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

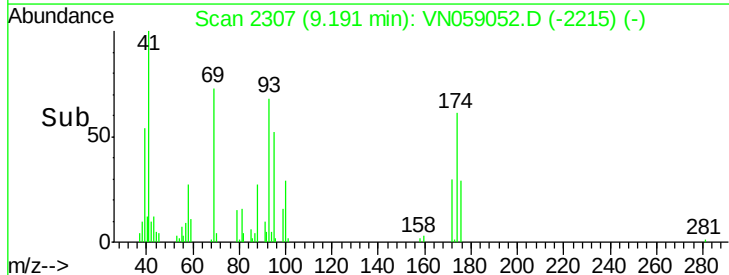
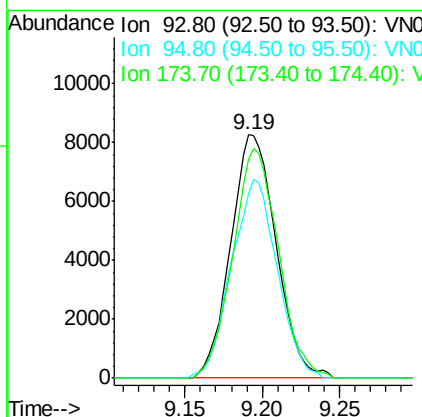
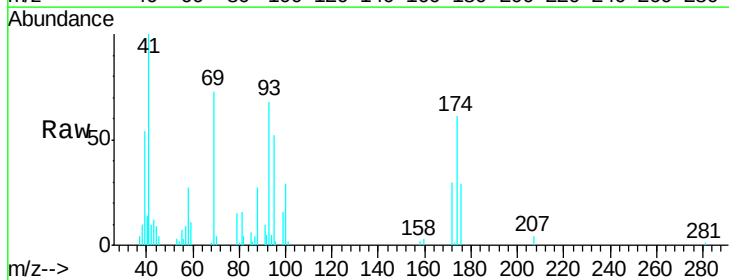
Manual Integrations
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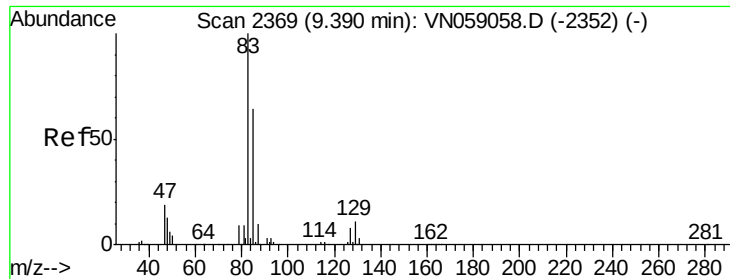
MMDadoda
 11/5/2019 1:58:41 PM



#46
 Dibromomethane
 Concen: 5.033 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 93 Resp: 16884
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.2 100.8
 174 94.5 78.3 117.5





#47

Bromodichloromethane

Concen: 4.794 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

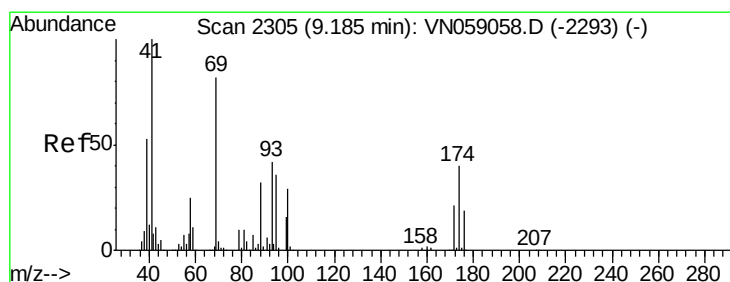
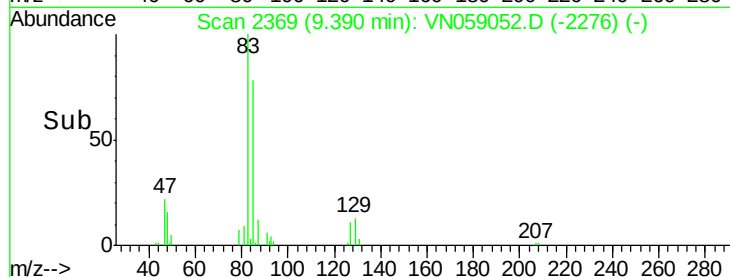
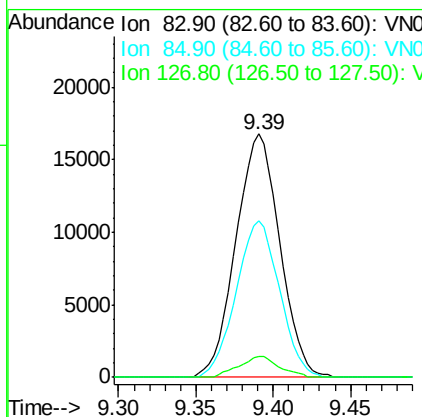
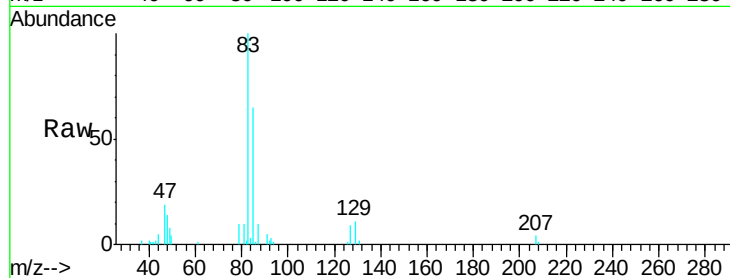
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	33072
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8
127	8.8	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.615 ug/l

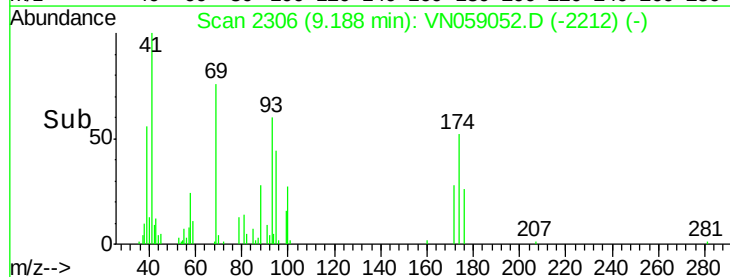
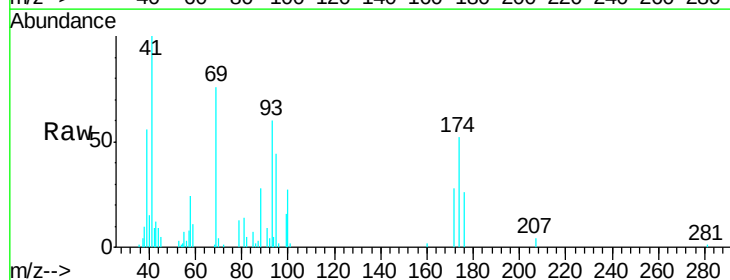
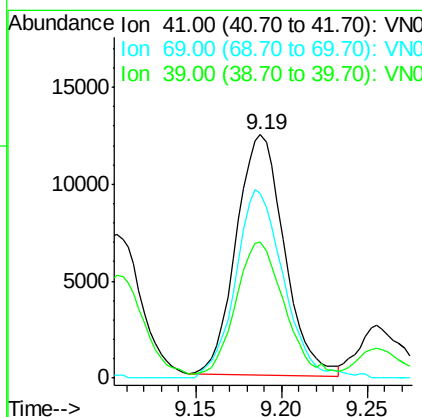
RT: 9.19 min Scan# 2306

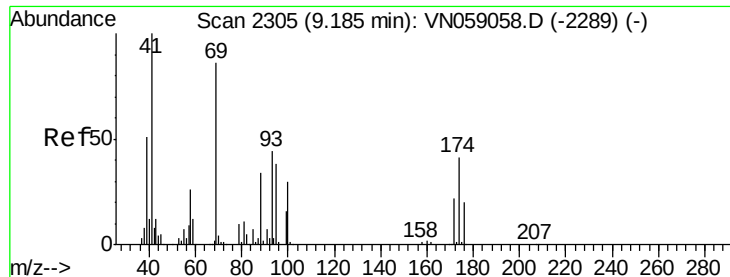
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	41	Resp:	24064
Ion	Ratio	Lower	Upper
41	100		
69	78.7	67.1	100.7
39	54.0	43.3	64.9





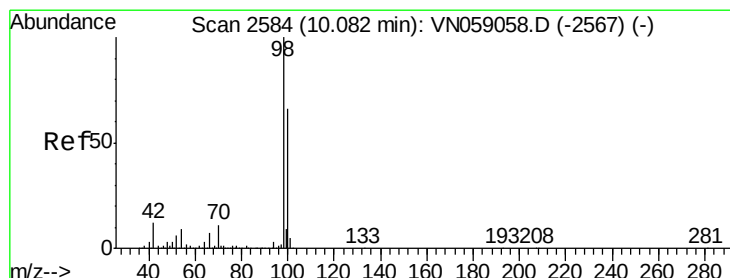
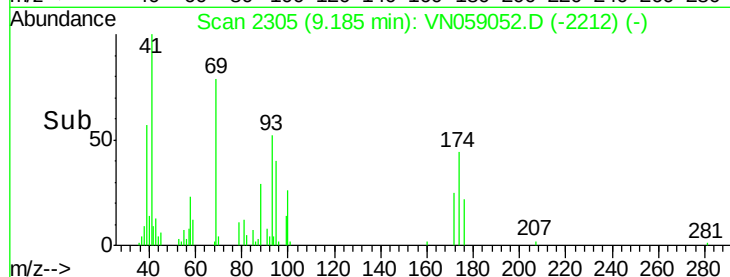
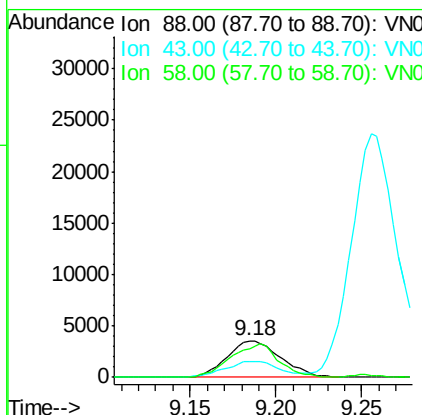
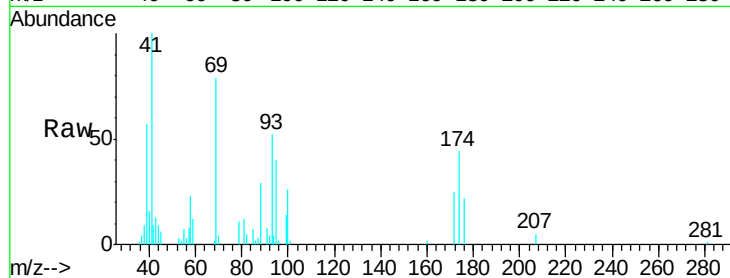
#49
1,4-Dioxane
Concen: 88.092 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	45.3	26.2	39.2#
58	81.6	59.1	88.7

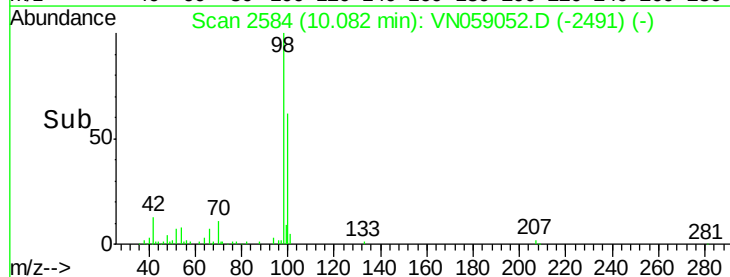
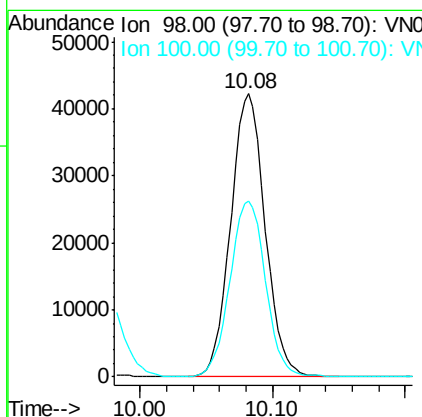
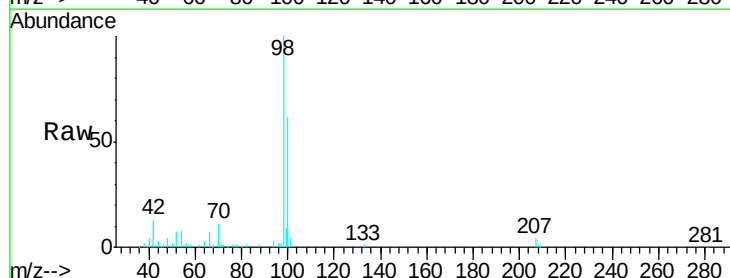
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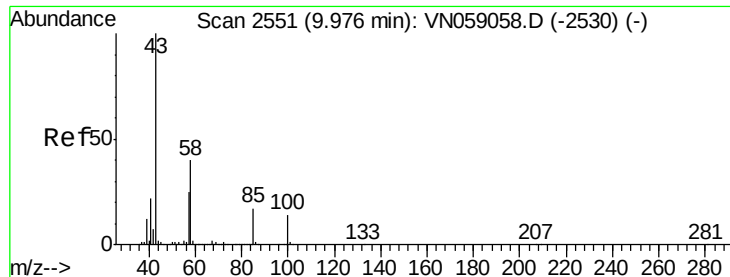
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#50
Toluene-d8
Concen: 4.549 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





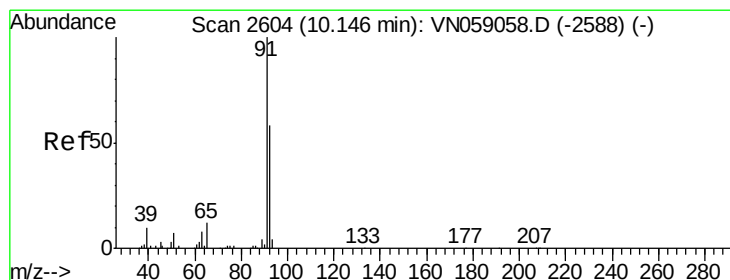
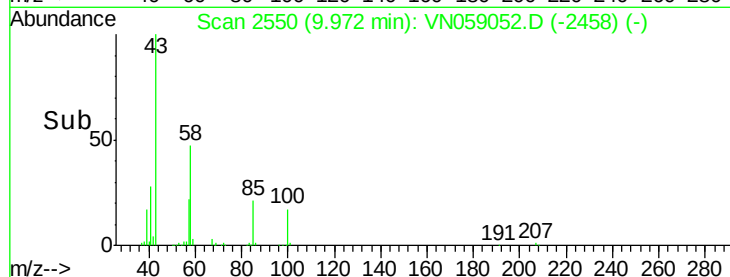
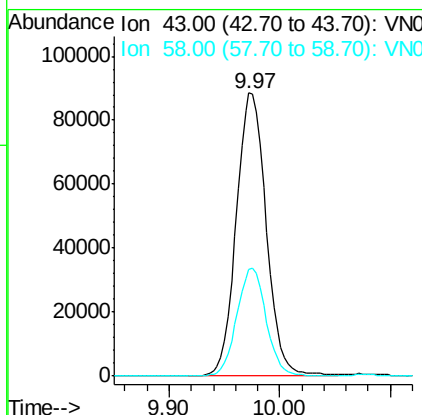
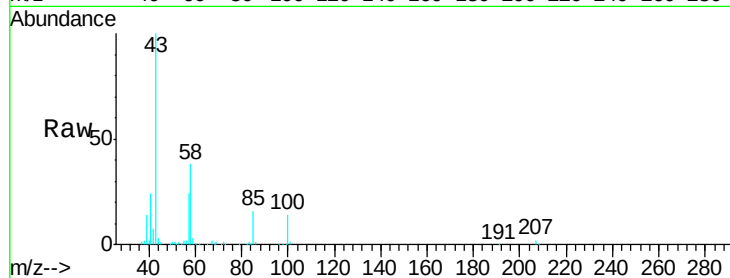
#51
 4-Methyl-2-Pentanone
 Concen: 24.814 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 166837
 Ion Ratio Lower Upper
 43 100
 58 37.3 31.8 47.6

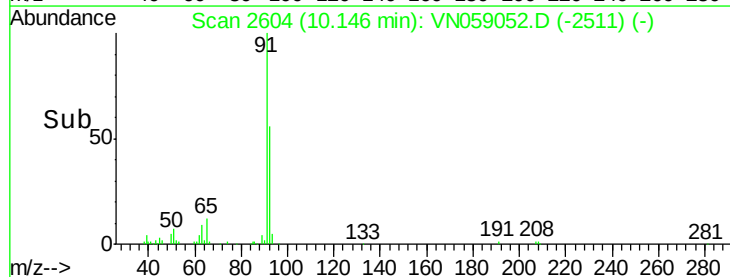
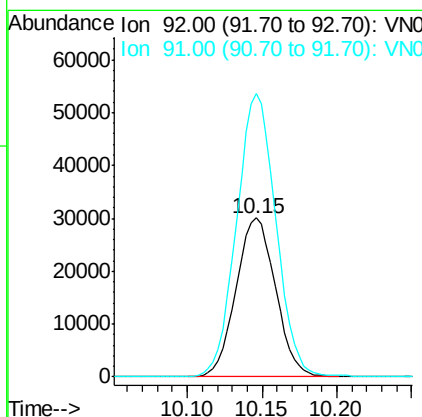
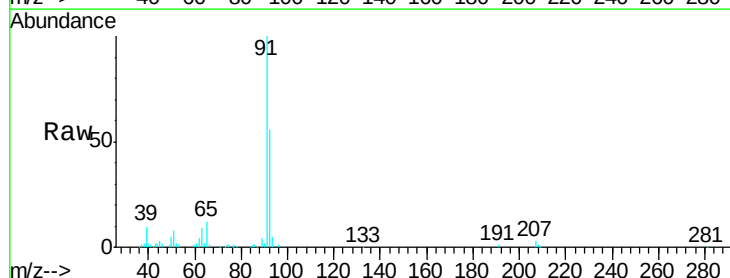
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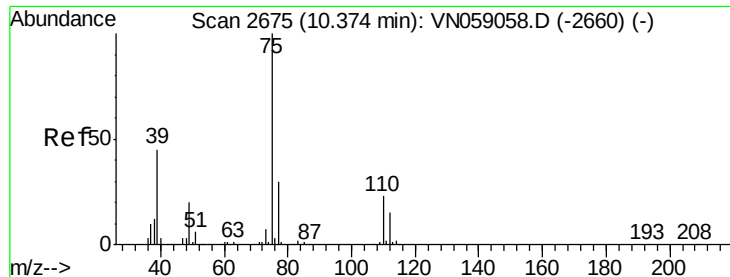
MMDadoda
 11/5/2019 1:58:41 PM



#52
 Toluene
 Concen: 4.815 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion: 92 Resp: 55401
 Ion Ratio Lower Upper
 92 100
 91 177.5 138.7 208.1





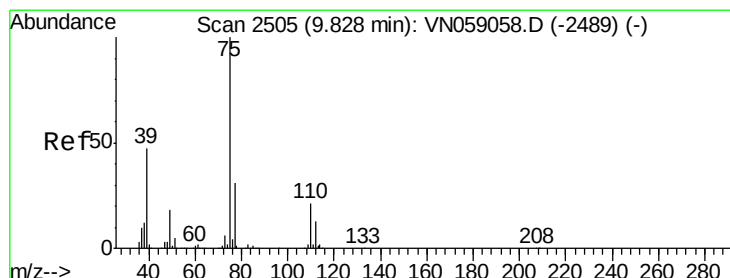
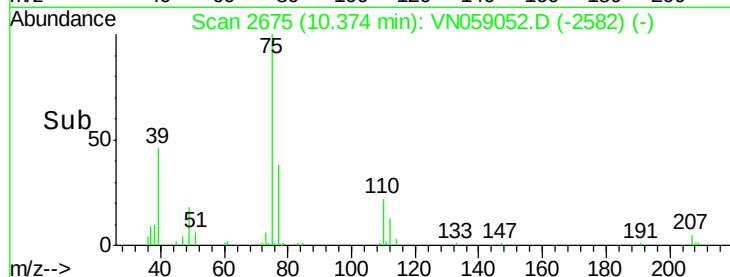
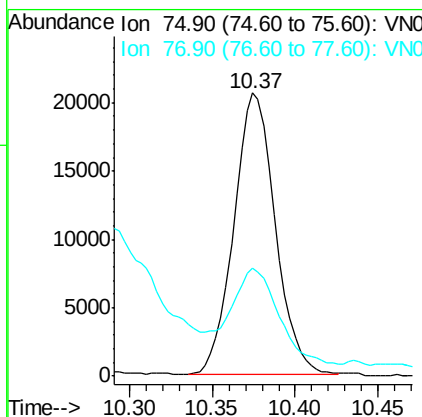
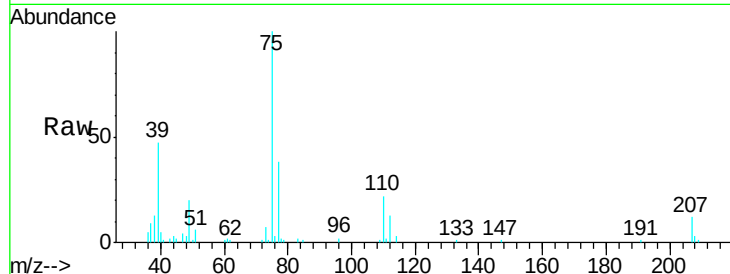
#53
t-1,3-Dichloropropene
Concen: 4.638 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 35517
Ion Ratio Lower Upper
75 100
77 33.8 25.6 38.4

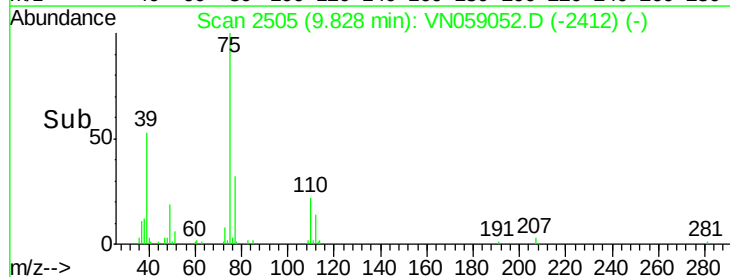
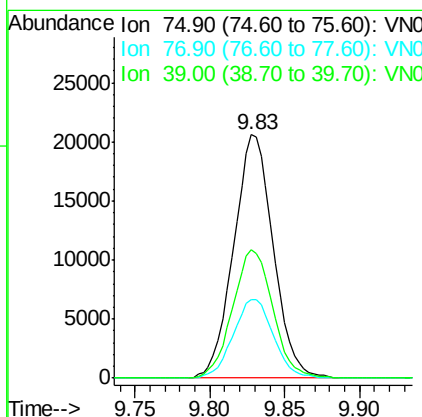
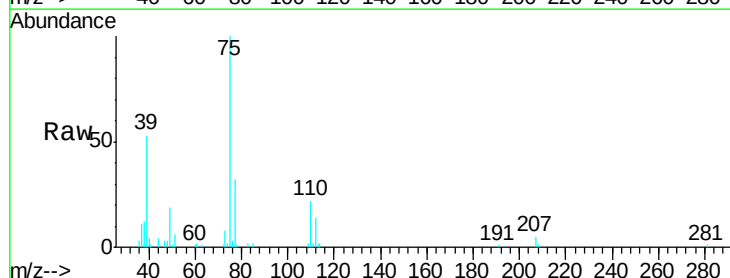
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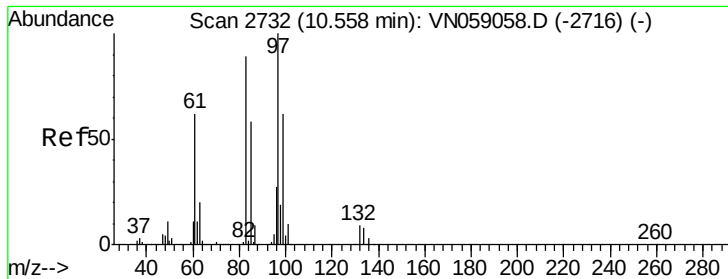
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#54
cis-1,3-Dichloropropene
Concen: 4.633 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 75 Resp: 38003
Ion Ratio Lower Upper
75 100
77 32.3 24.6 37.0
39 52.6 37.4 56.2





#55

1,1,2-Trichloroethane

Concen: 4.970 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

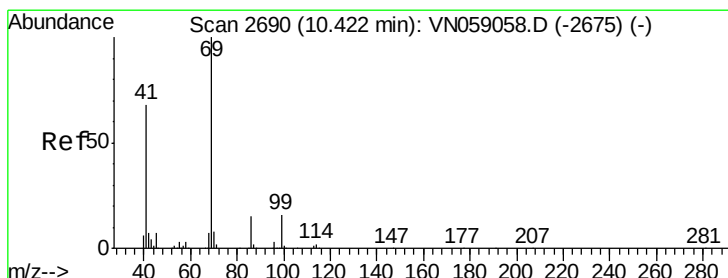
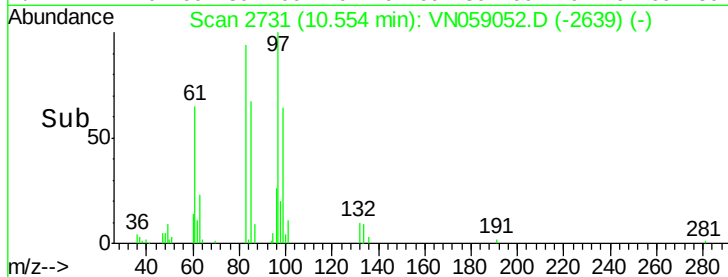
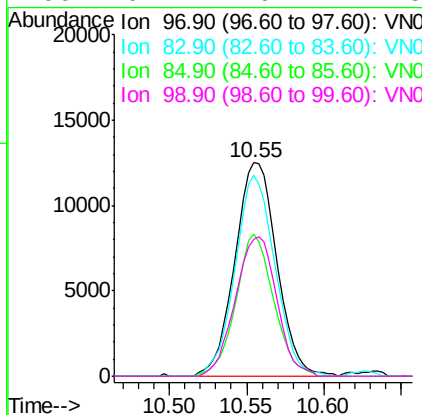
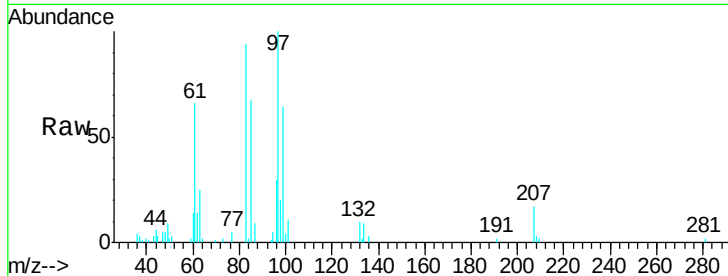
ClientSampleId :

VSTDIC005

Tgt Ion:	97	Resp:	23595
Ion	Ratio	Lower	Upper
97	100		
83	93.8	71.4	107.2
85	66.6	46.6	70.0
99	64.2	49.7	74.5

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#56

Ethyl methacrylate

Concen: 4.296 ug/l

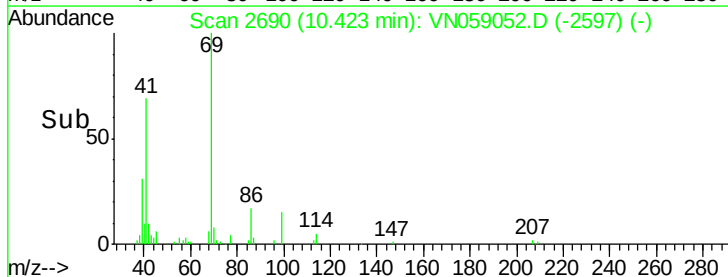
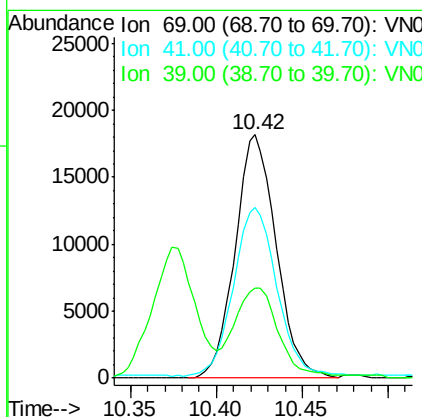
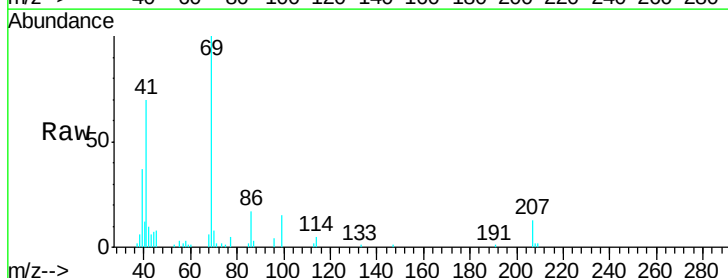
RT: 10.42 min Scan# 2690

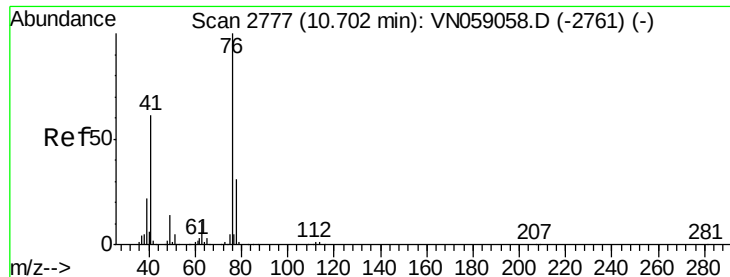
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	69	Resp:	30113
Ion	Ratio	Lower	Upper
69	100		
41	74.1	53.8	80.8
39	38.7	26.2	39.2





#57

1,3-Dichloropropane

Concen: 4.932 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 40925

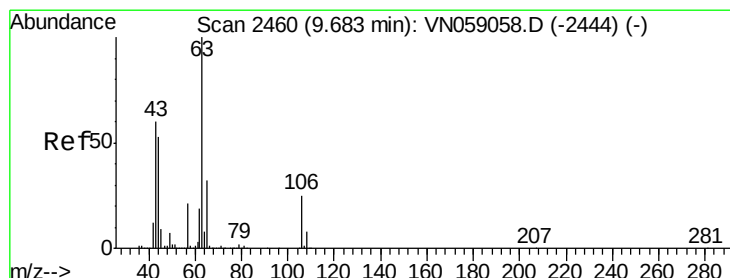
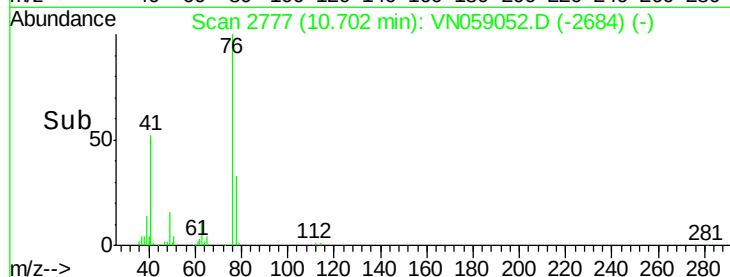
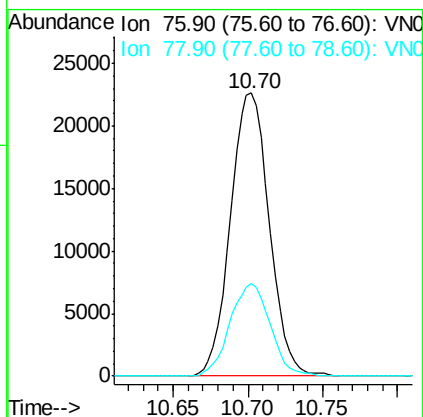
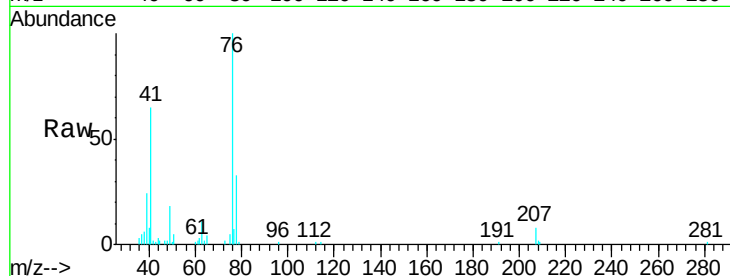
Ion Ratio Lower Upper

76 100

78 33.7 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 19.783 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059052.D

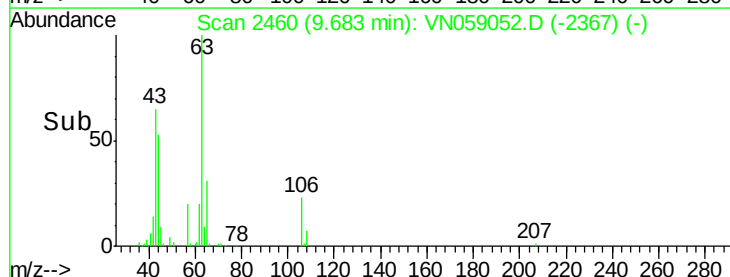
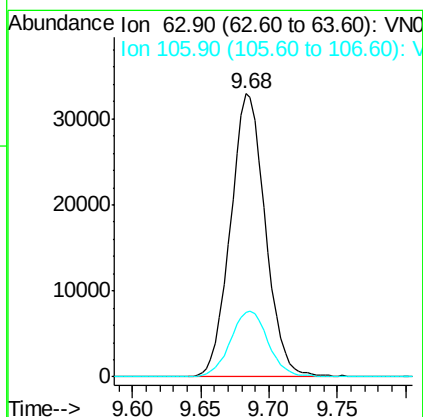
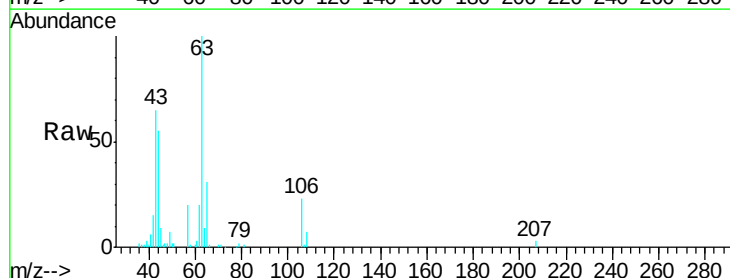
Acq: 1 Nov 2019 10:47

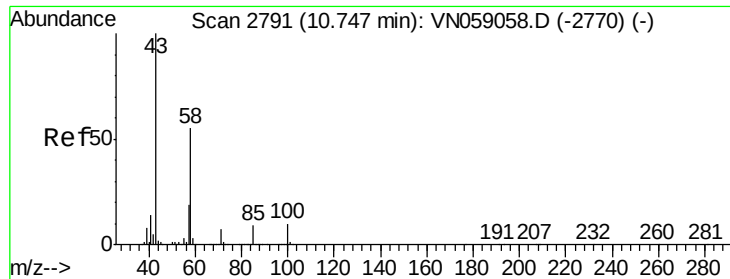
Tgt Ion: 63 Resp: 58303

Ion Ratio Lower Upper

63 100

106 25.2 19.8 29.6





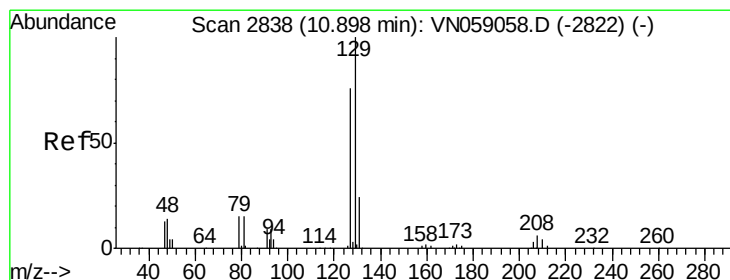
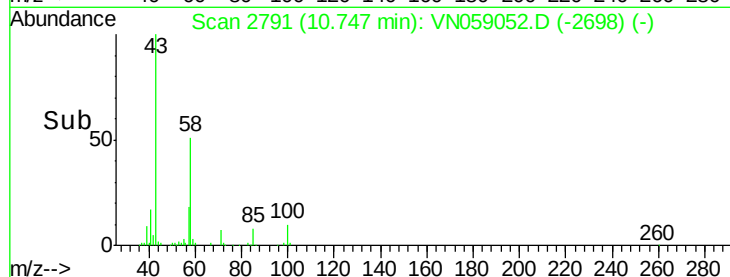
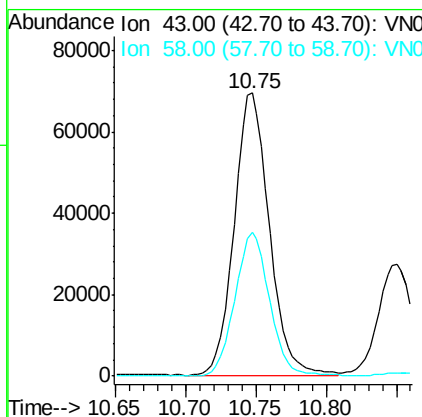
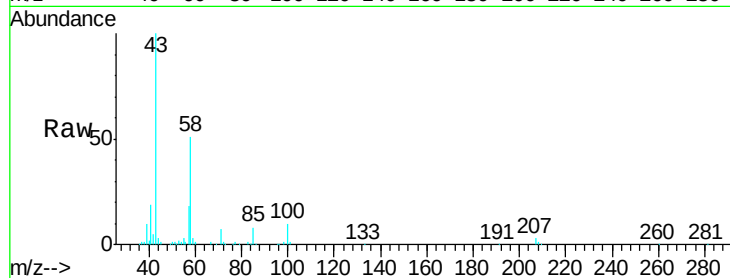
#59
2-Hexanone
Concen: 23.223 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 120443
Ion Ratio Lower Upper
43 100
58 50.5 27.4 82.2

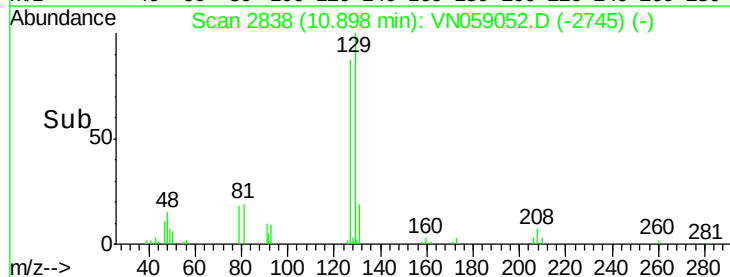
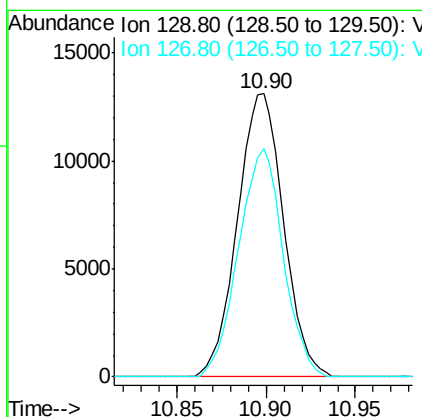
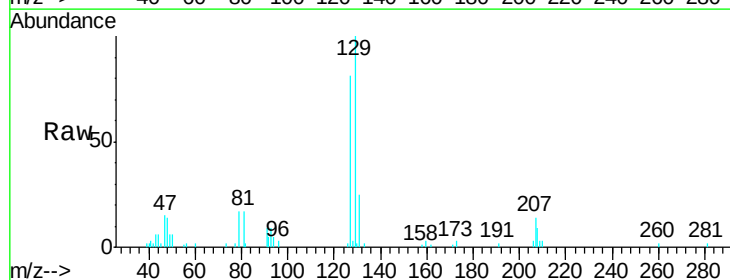
Manual Integrations
APPROVED

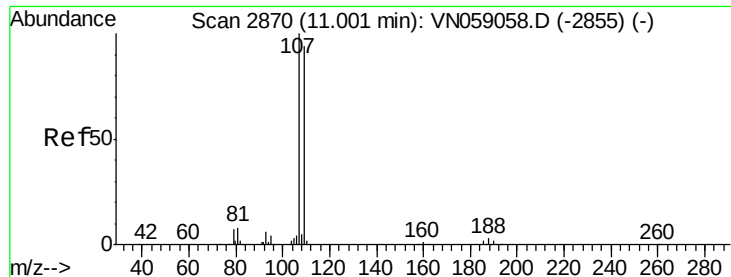
MMDadoda
11/5/2019 1:58:41 PM



#60
Dibromochloromethane
Concen: 4.635 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion: 129 Resp: 23652
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 4.678 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 107 Resp: 22680

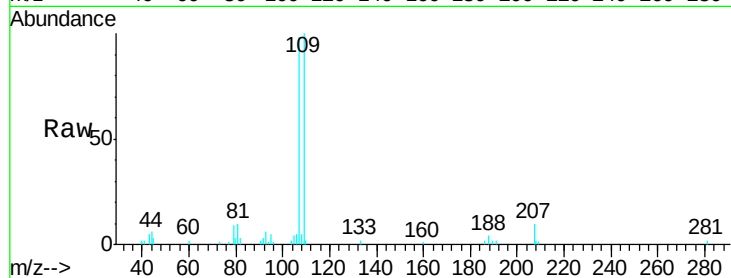
Ion Ratio Lower Upper

107 100

109 97.4 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

15000

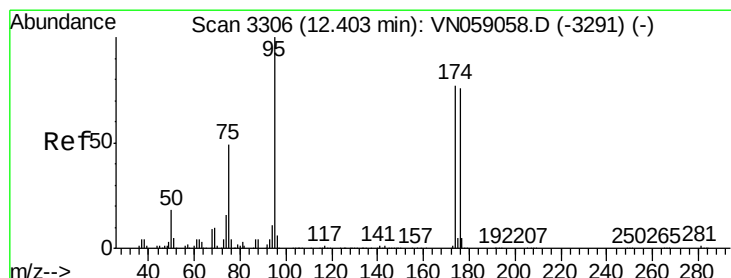
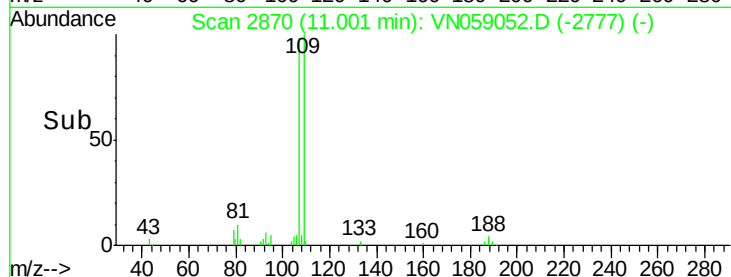
10000

5000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 4.065 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

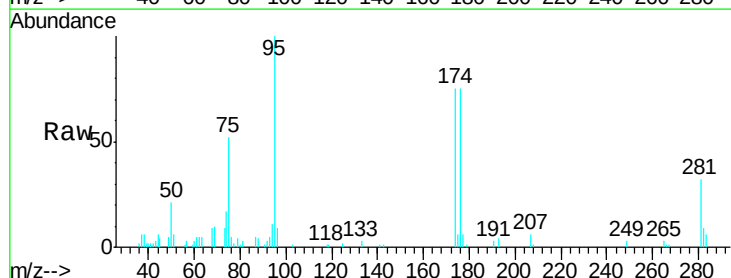
Tgt Ion: 95 Resp: 24919

Ion Ratio Lower Upper

95 100

174 74.9 0.0 155.8

176 74.4 0.0 151.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

20000

15000

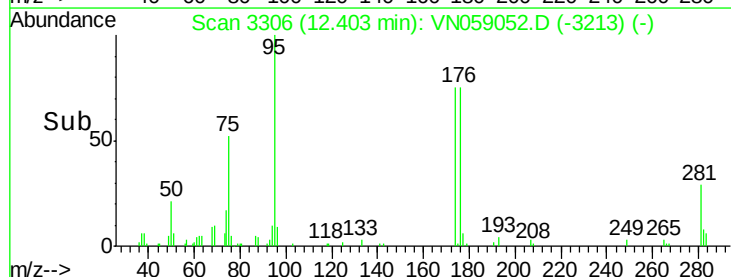
10000

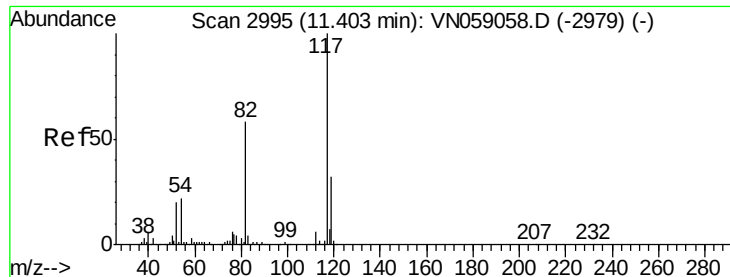
5000

0

Time-->

12.35 12.40 12.45





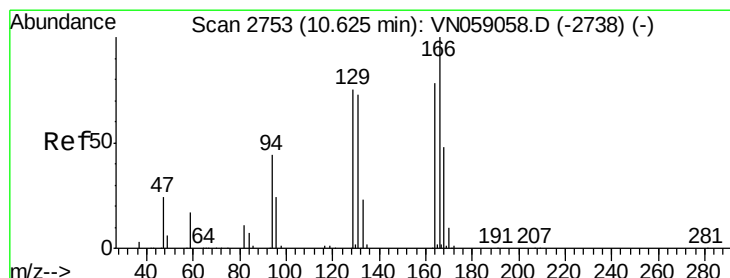
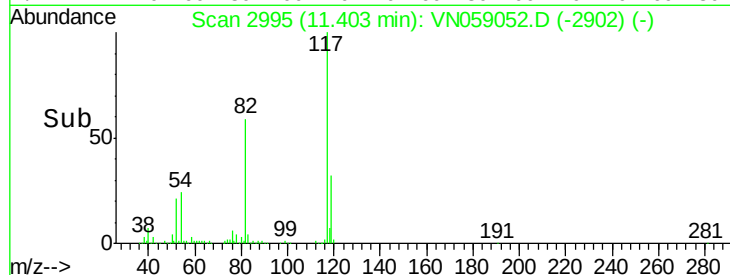
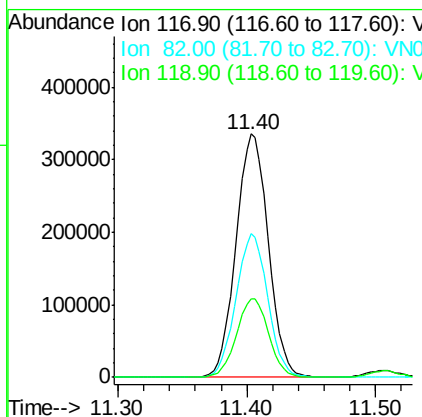
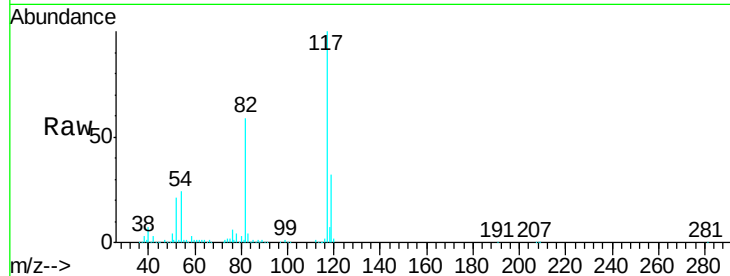
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	584788		
82	58.9	46.0	69.0	
119	32.4	25.6	38.4	

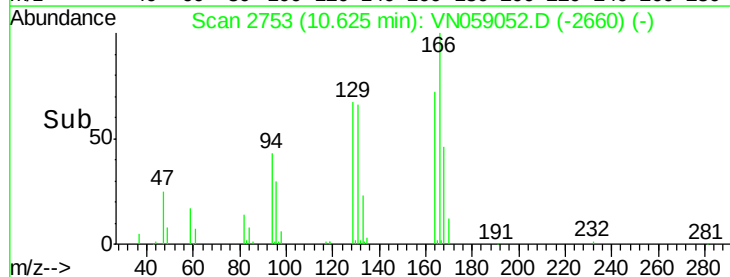
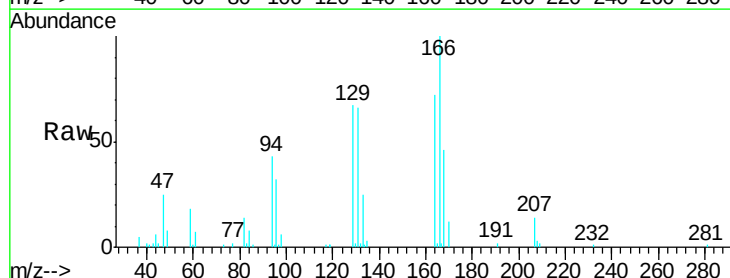
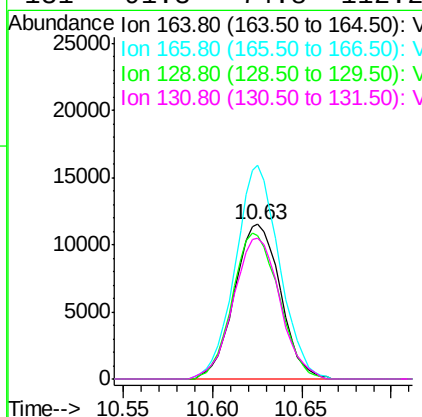
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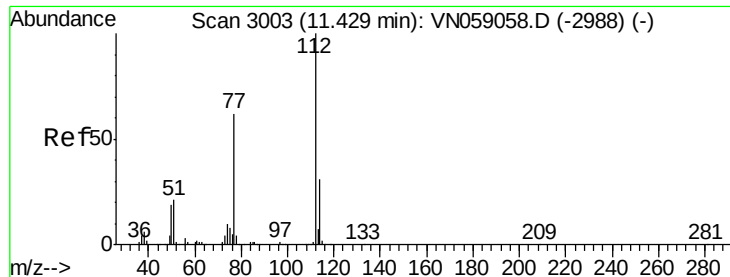
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#64
Tetrachloroethene
Concen: 5.078 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20565		
166	138.0	102.7	154.1	
129	92.7	77.3	115.9	
131	91.3	74.8	112.2	





#65

Chlorobenzene

Concen: 5.196 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 61251

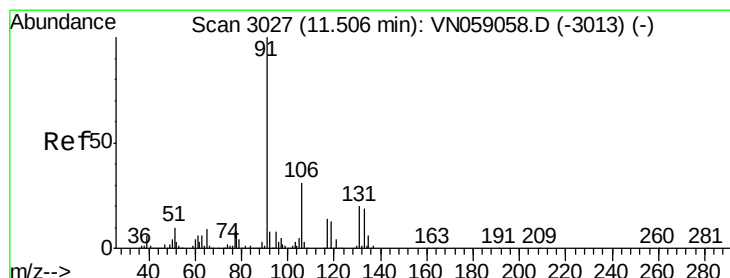
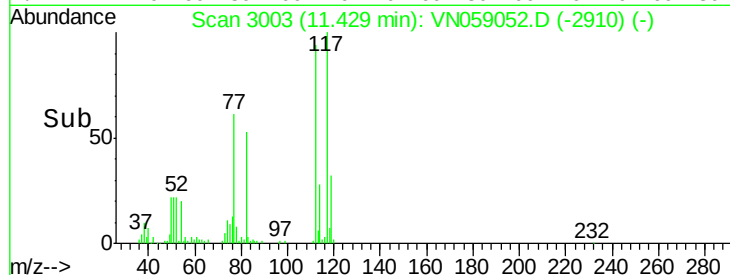
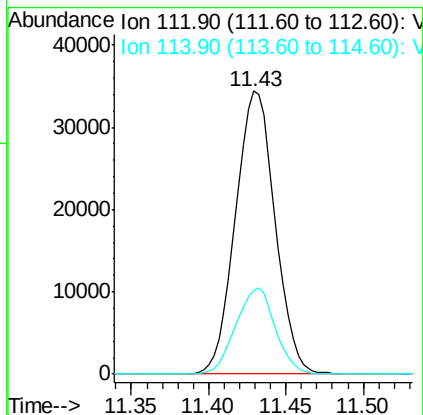
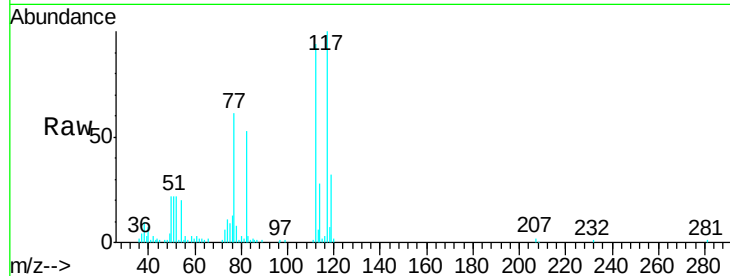
Ion Ratio Lower Upper

112 100

114 29.8 25.0 37.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.926 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

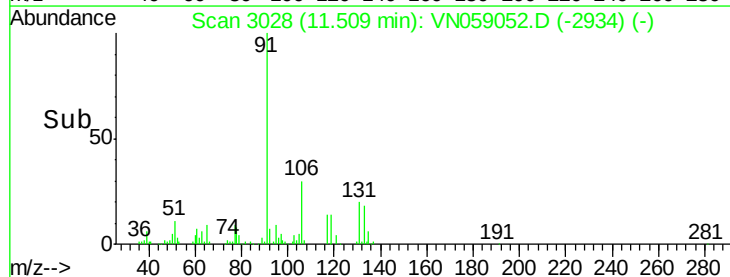
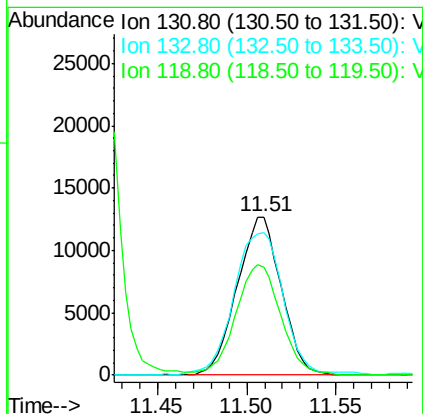
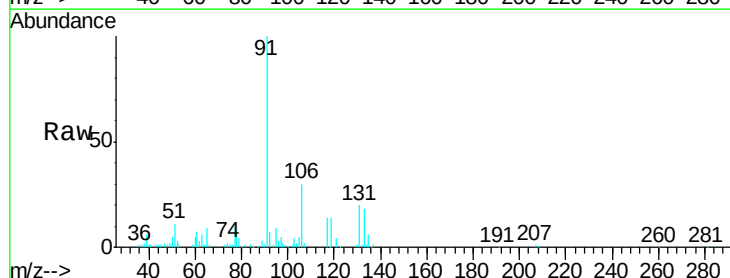
Tgt Ion:131 Resp: 21875

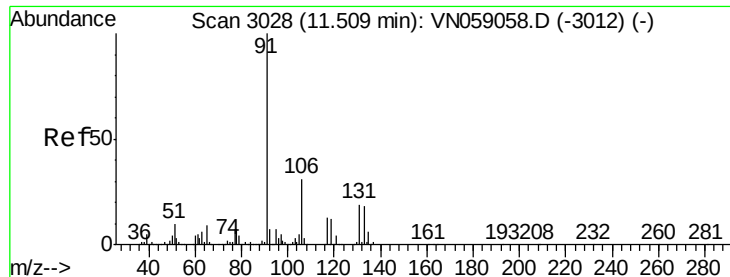
Ion Ratio Lower Upper

131 100

133 101.1 47.9 143.6

119 71.5 33.5 100.5





#67

Ethyl Benzene

Concen: 5.027 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 103685

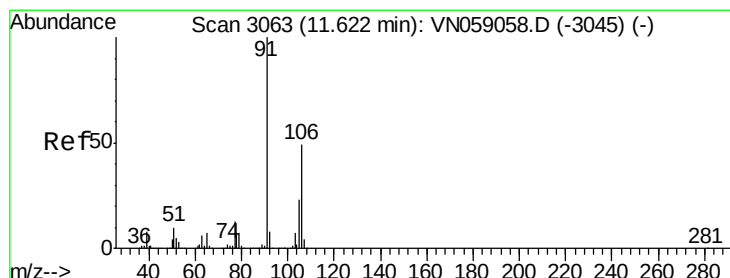
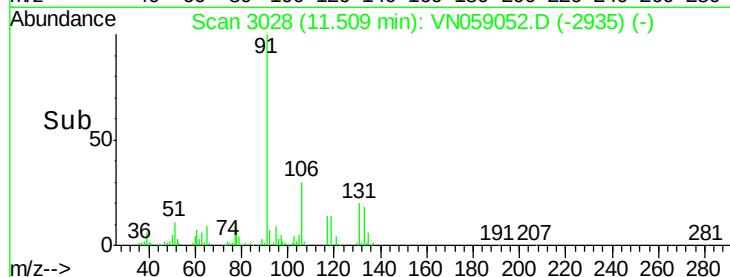
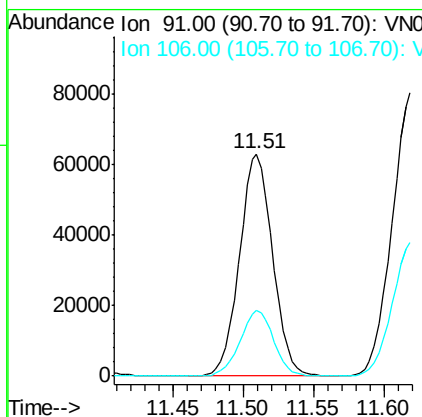
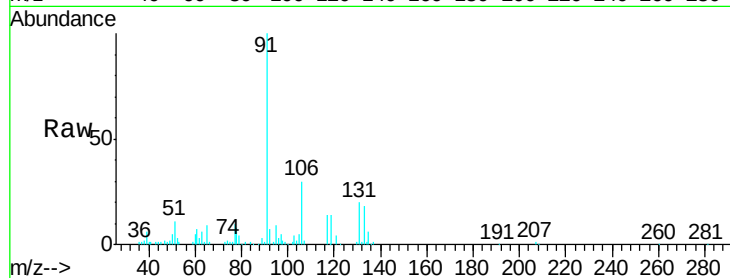
Ion Ratio Lower Upper

91 100

106 29.7 24.6 36.8

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#68

m/p-Xylenes

Concen: 9.676 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059052.D

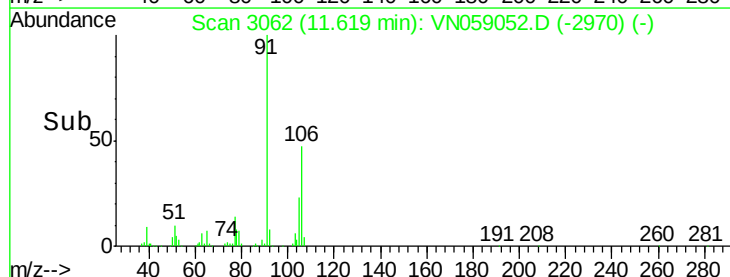
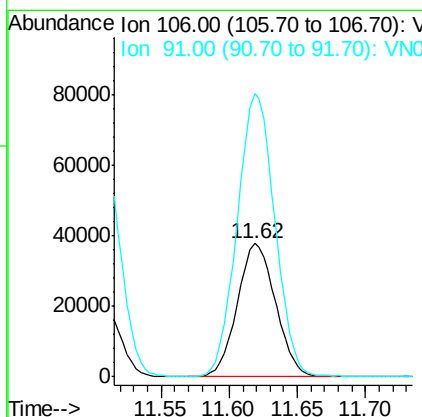
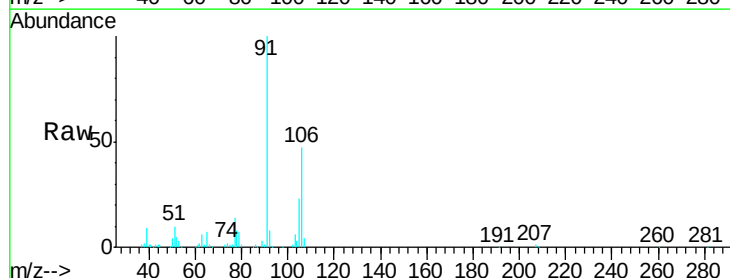
Acq: 1 Nov 2019 10:47

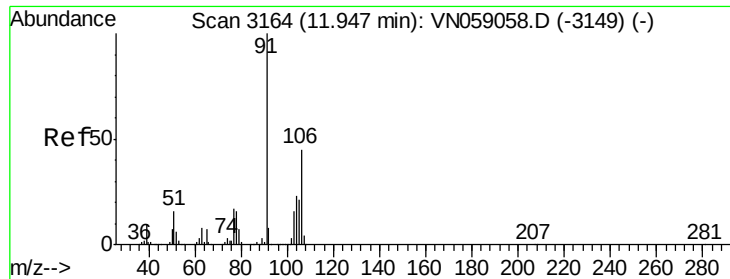
Tgt Ion: 106 Resp: 73915

Ion Ratio Lower Upper

106 100

91 208.6 165.7 248.5





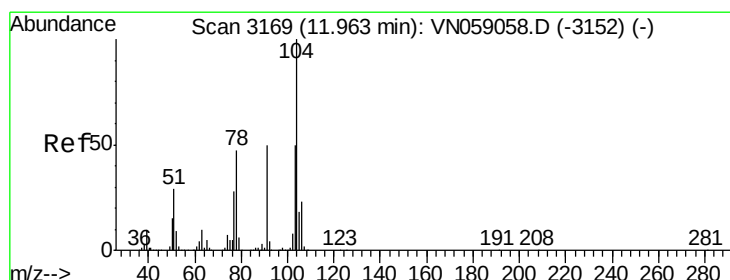
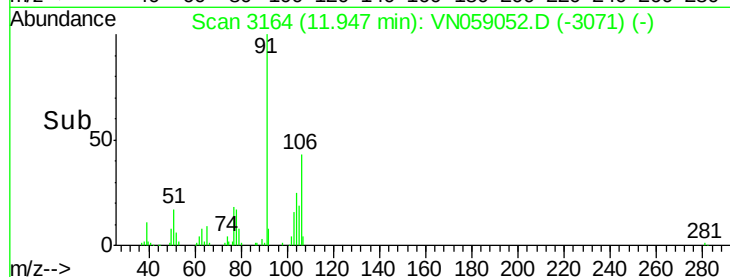
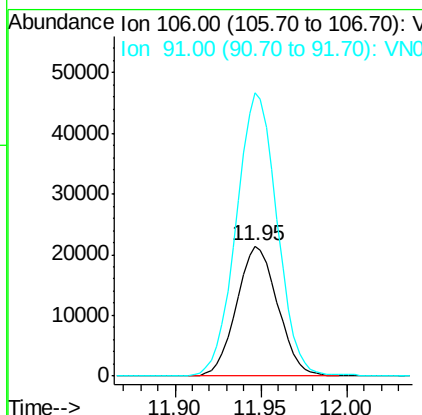
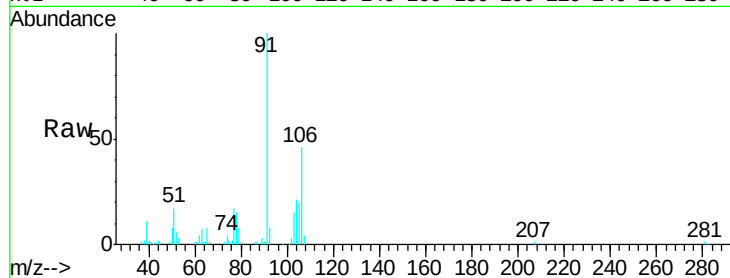
#69
o-Xylene
Concen: 4.863 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:106 Resp: 35526
Ion Ratio Lower Upper
106 100
91 218.0 110.4 331.2

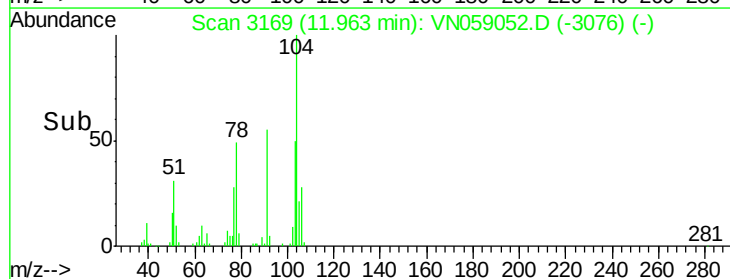
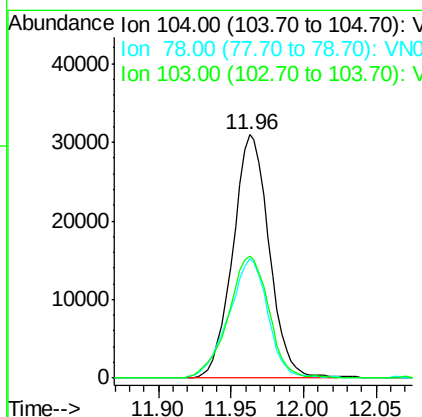
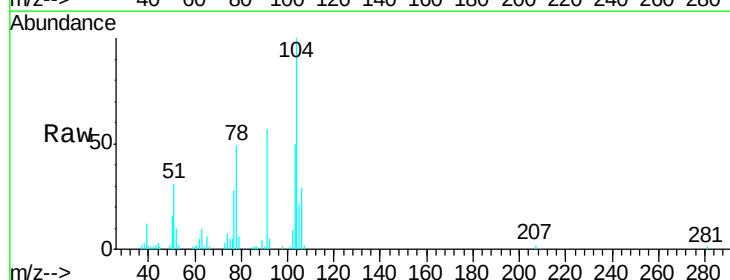
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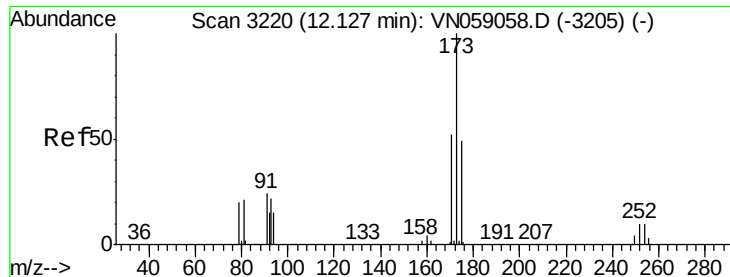
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#70
Styrene
Concen: 4.533 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion:104 Resp: 53994
Ion Ratio Lower Upper
104 100
78 52.7 41.2 61.8
103 55.4 43.9 65.9





#71

Bromoform

Concen: 4.417 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:173 Resp: 15282

Ion Ratio Lower Upper

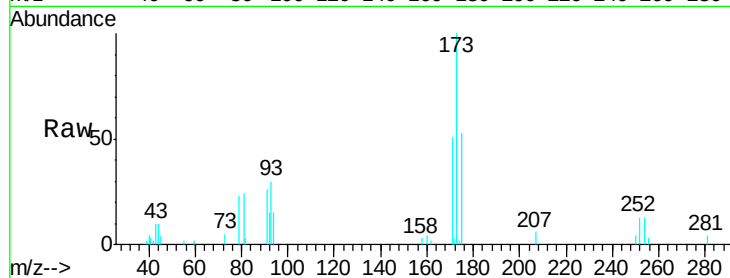
173 100

175 52.0 24.4 73.2

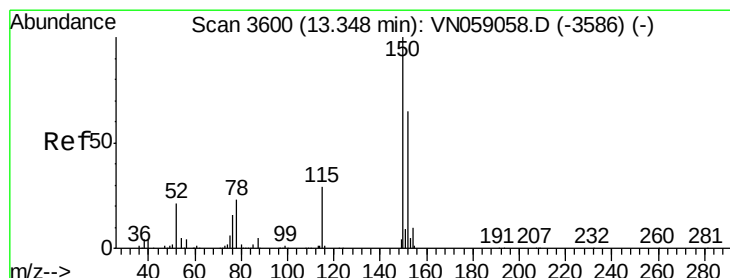
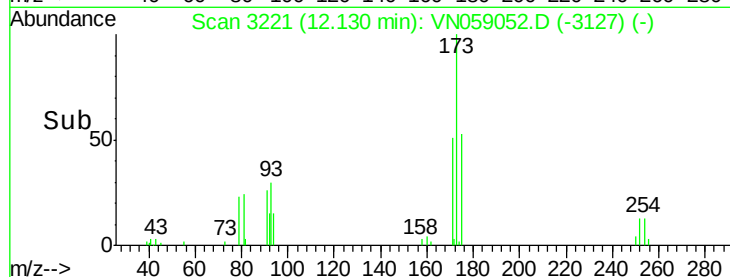
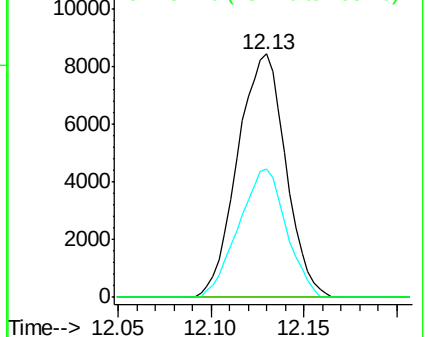
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

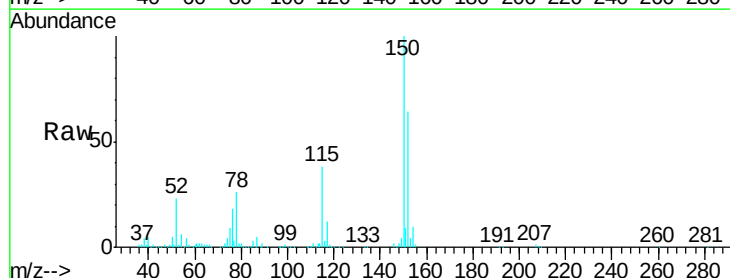
Tgt Ion:152 Resp: 238057

Ion Ratio Lower Upper

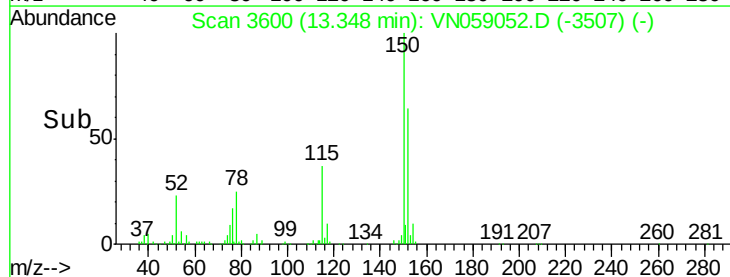
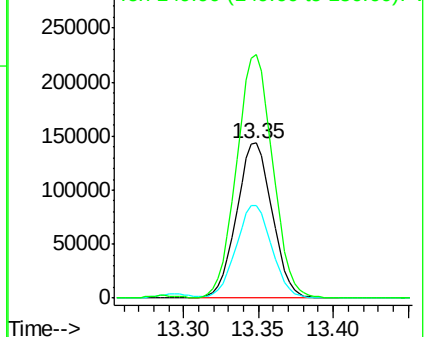
152 100

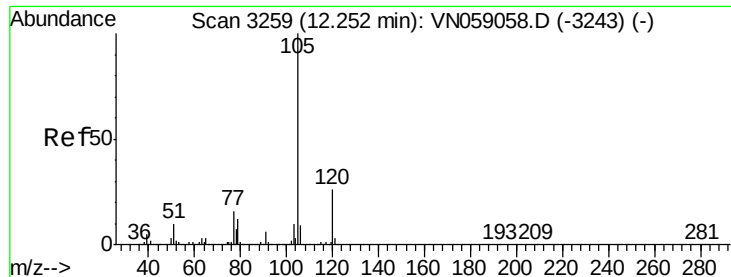
115 59.8 29.6 88.9

150 159.3 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.438 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 93800

Ion Ratio Lower Upper

105 100

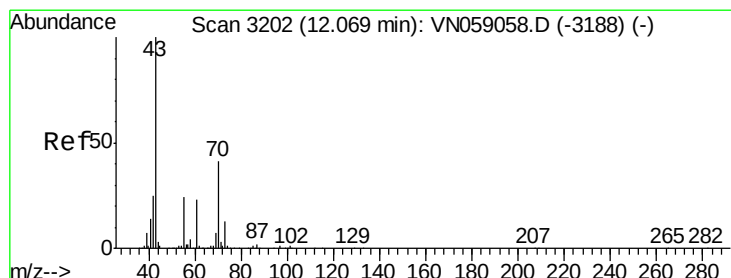
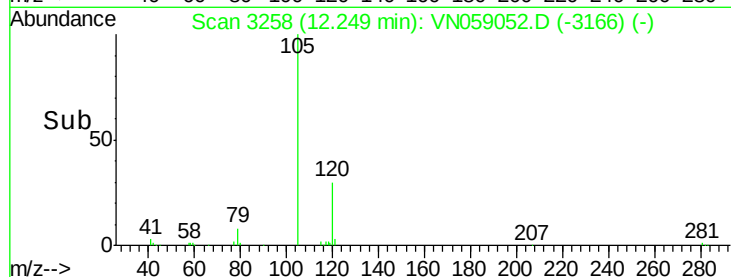
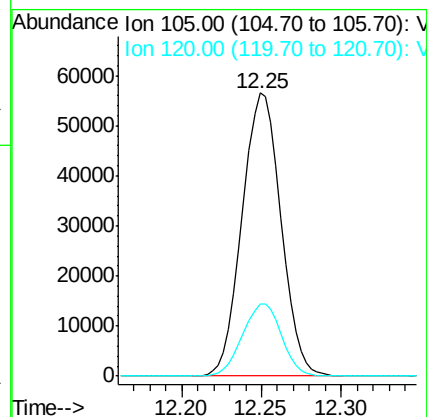
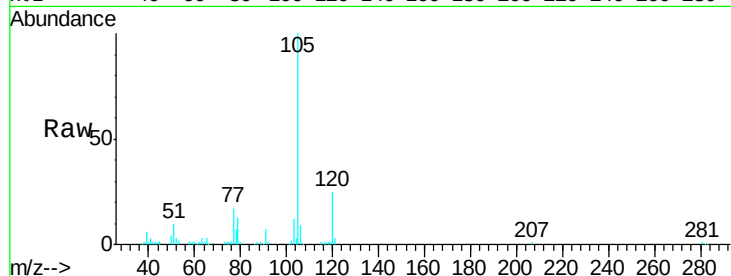
120 25.4 13.1 39.1

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#74

N-ethyl acetate

Concen: 4.747 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion: 43 Resp: 36890

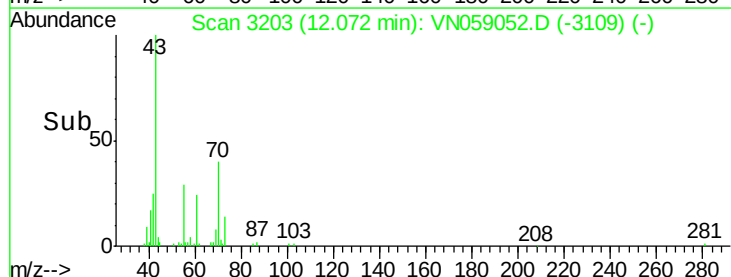
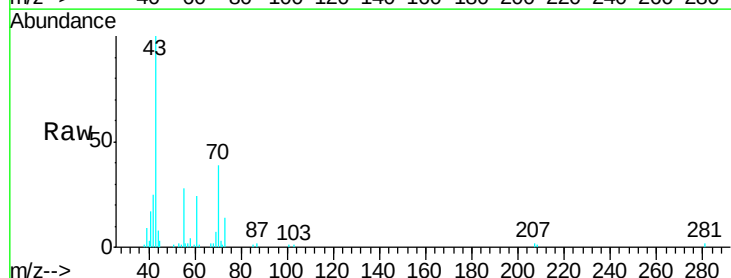
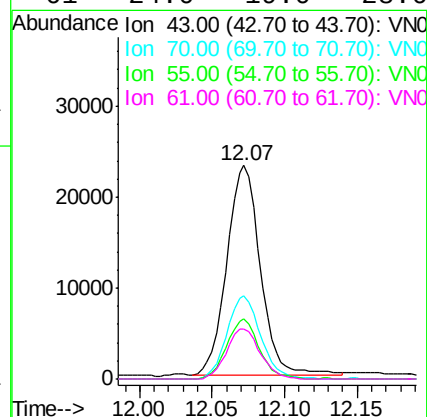
Ion Ratio Lower Upper

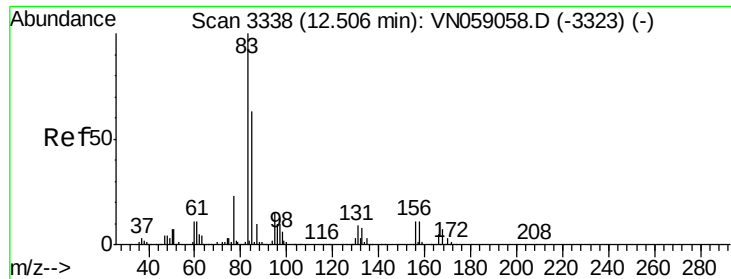
43 100

70 40.2 32.6 49.0

55 27.7 19.7 29.5

61 24.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.714 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

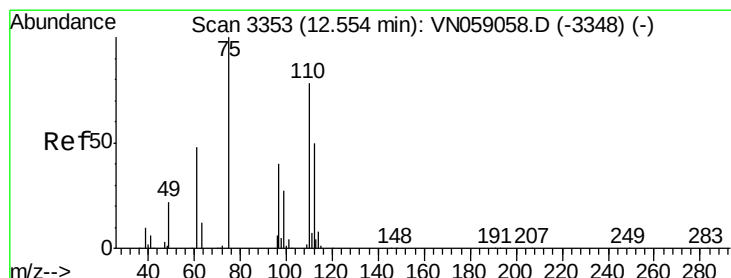
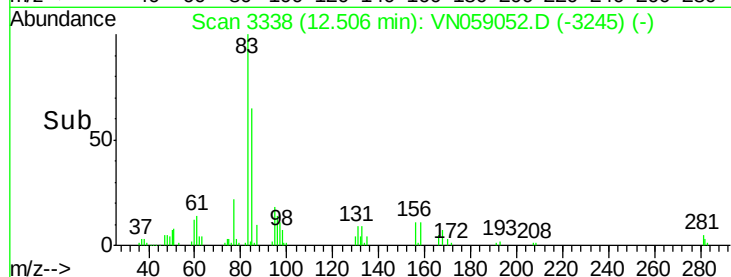
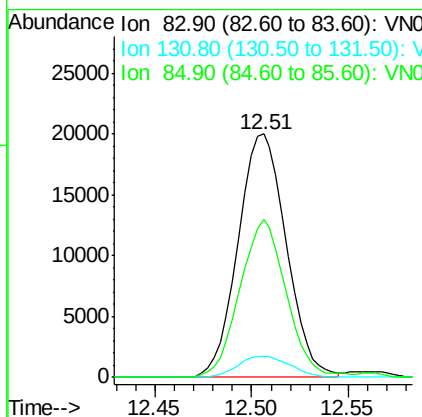
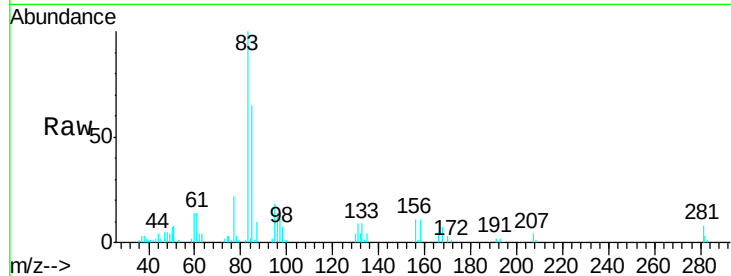
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	34649
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	62.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 5.724 ug/l m

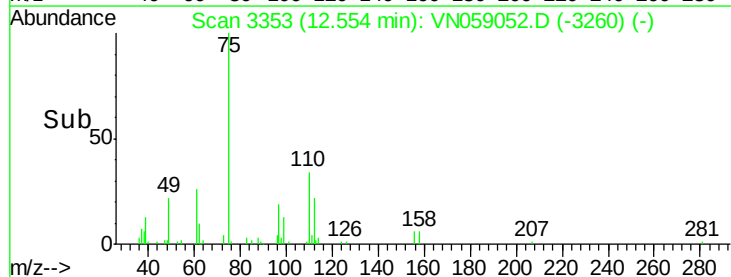
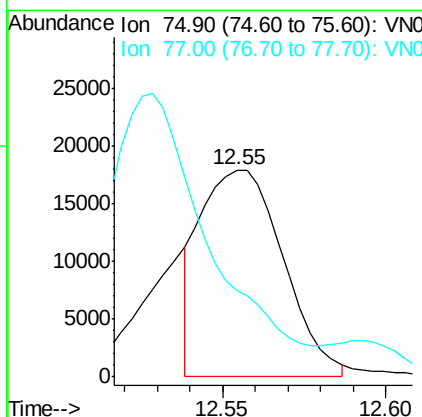
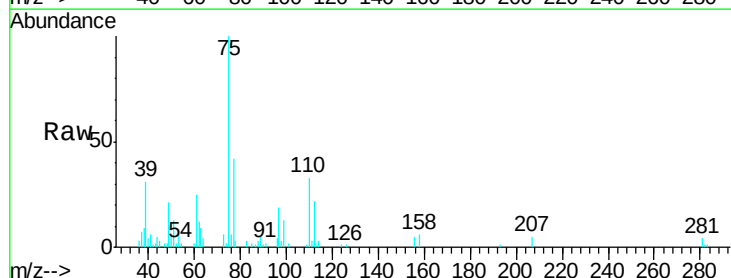
RT: 12.55 min Scan# 3353

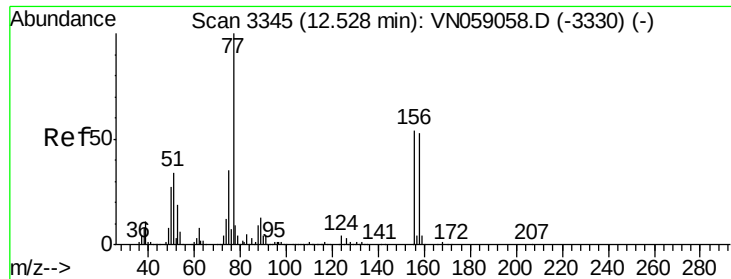
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	75	Resp:	31604
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.412 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

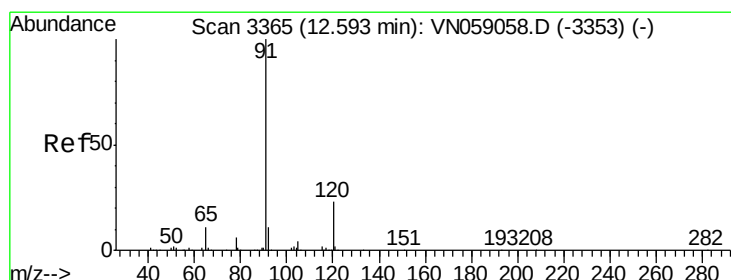
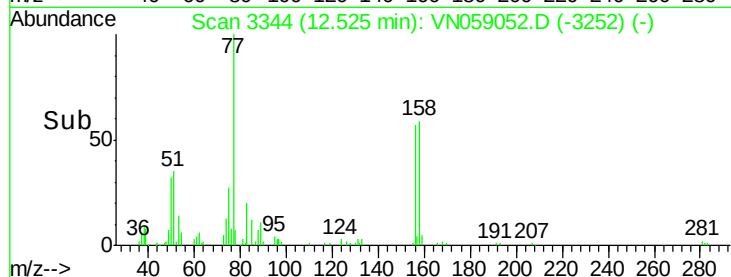
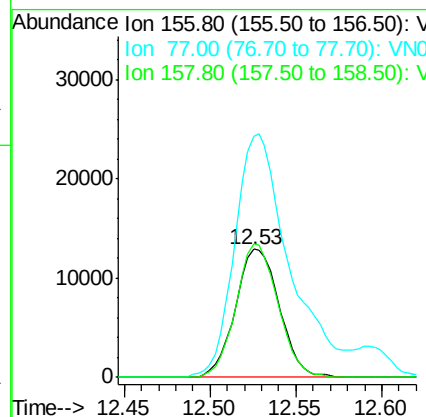
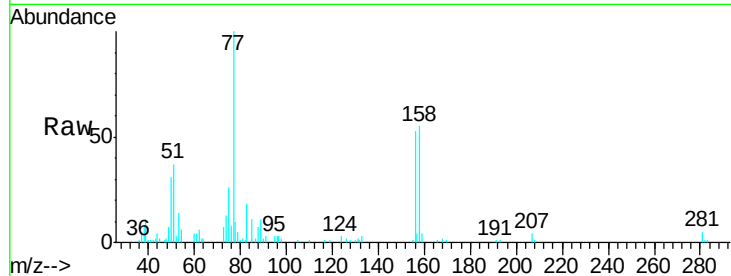
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	237.2	114.2	342.6
158	99.4	49.6	149.0

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#78

n-propylbenzene

Concen: 5.224 ug/l

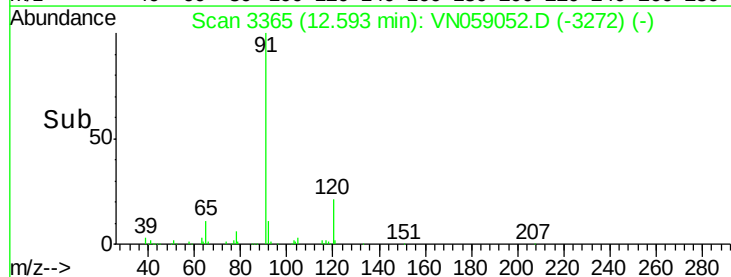
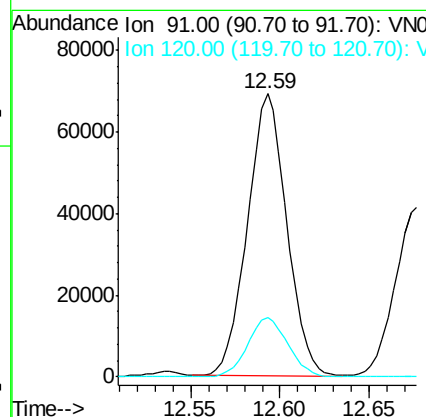
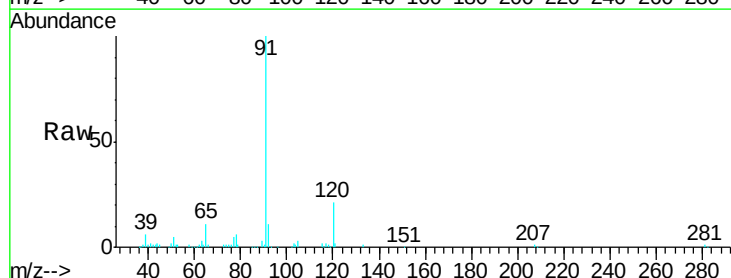
RT: 12.59 min Scan# 3365

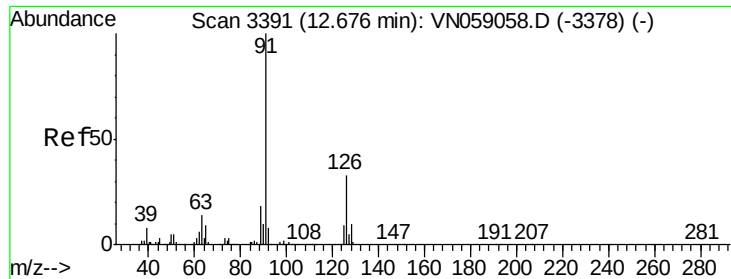
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 5.389 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 67273

Ion Ratio Lower Upper

91 100

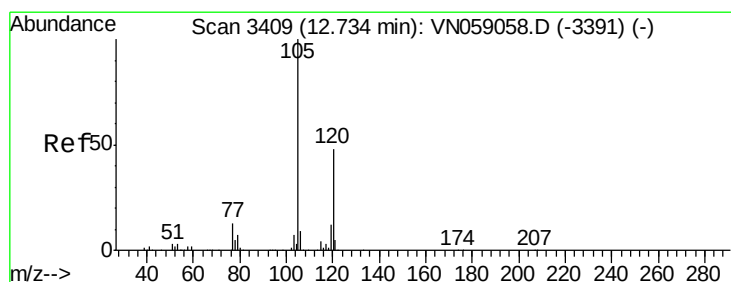
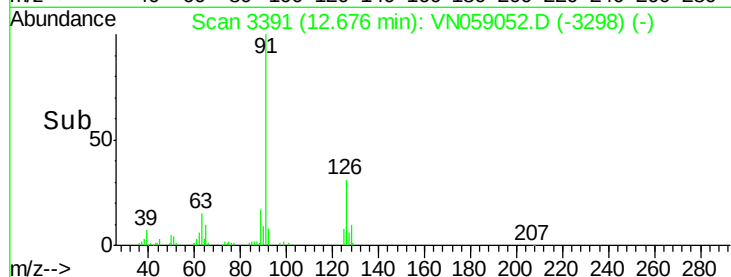
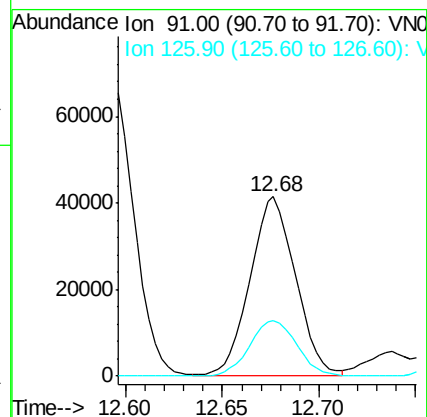
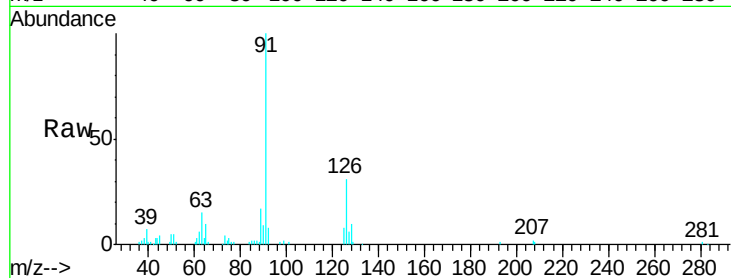
126 32.5 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.385 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059052.D

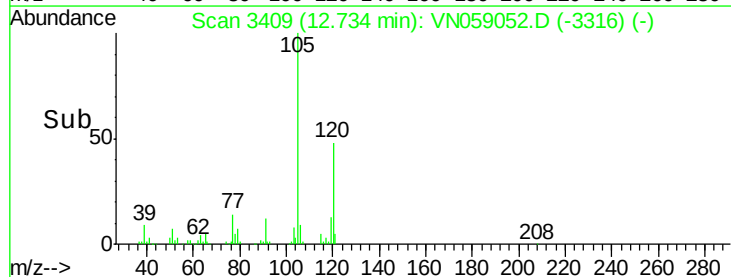
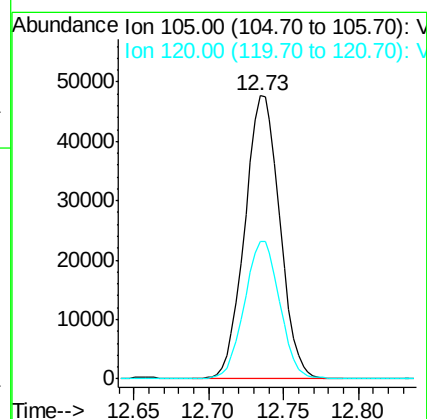
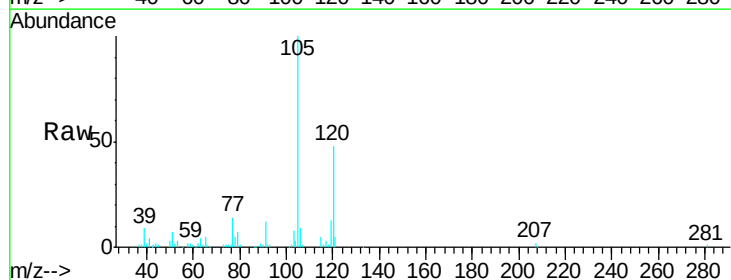
Acq: 1 Nov 2019 10:47

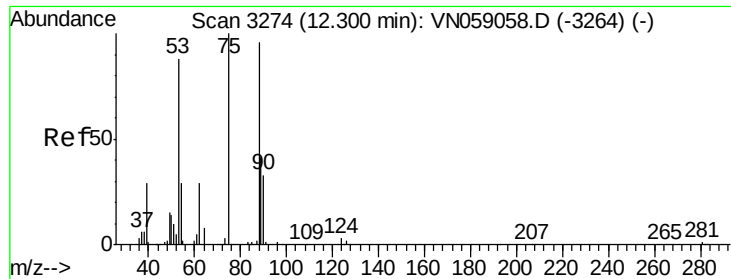
Tgt Ion: 105 Resp: 77782

Ion Ratio Lower Upper

105 100

120 48.9 24.2 72.6





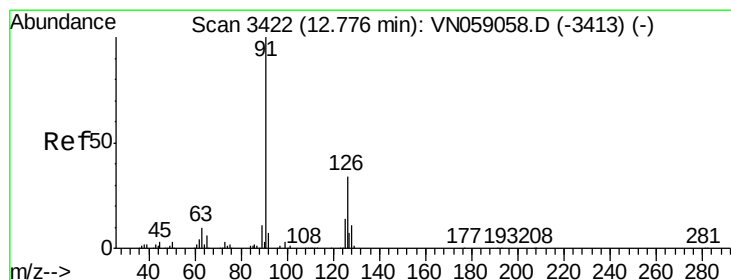
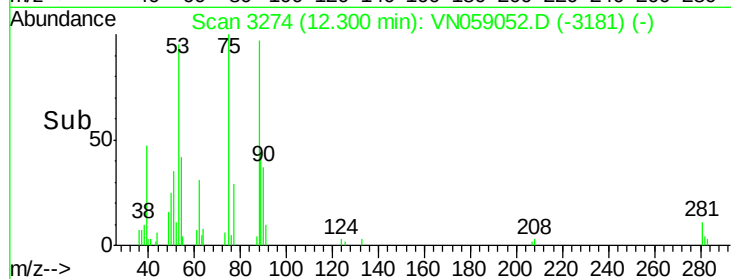
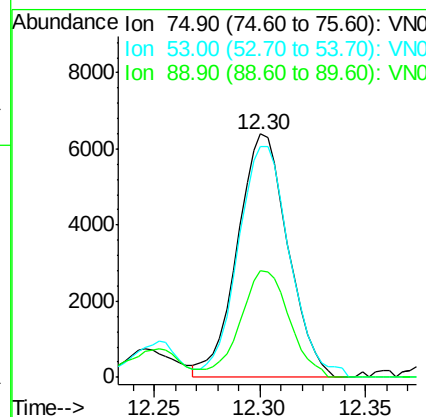
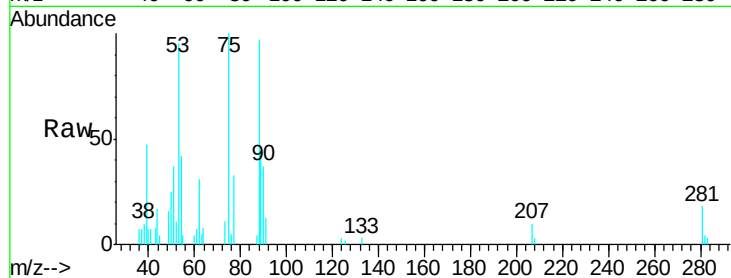
#81
trans-1,4-Dichloro-2-butene
Concen: 5.026 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.4	70.4	105.6
89	42.5	34.2	51.2

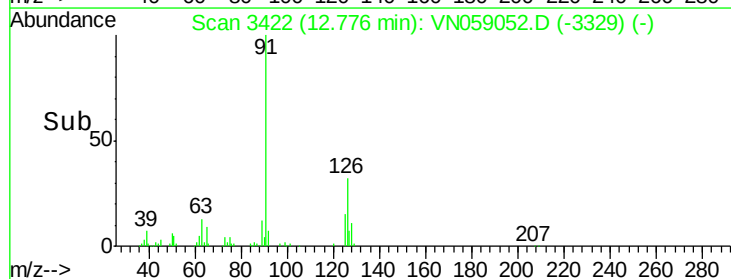
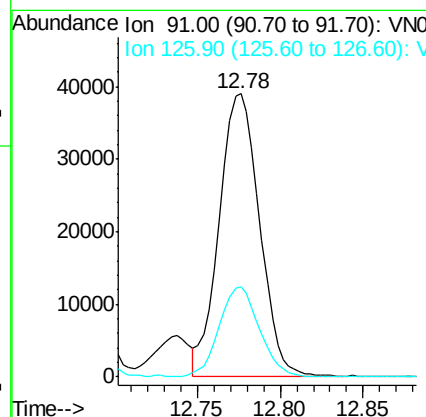
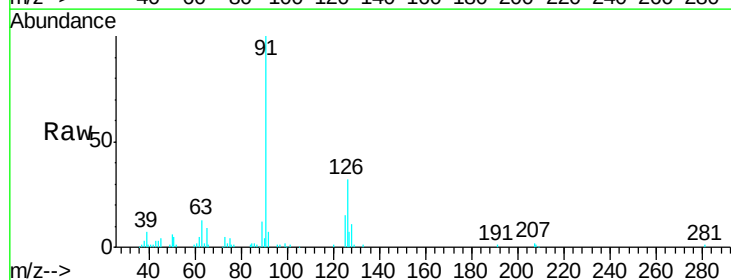
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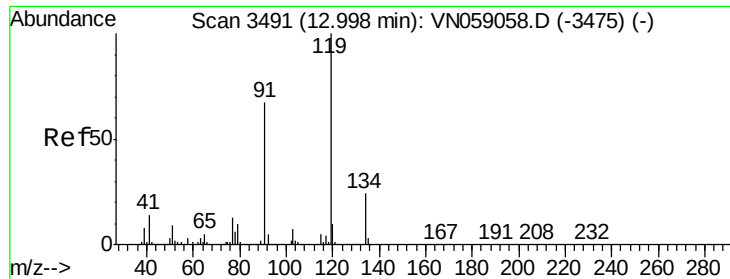
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#82
4-Chlorotoluene
Concen: 5.213 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.0	47.9





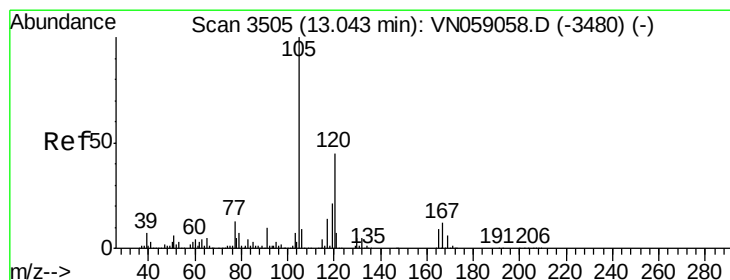
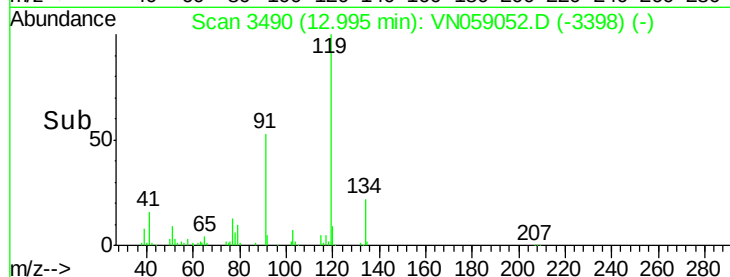
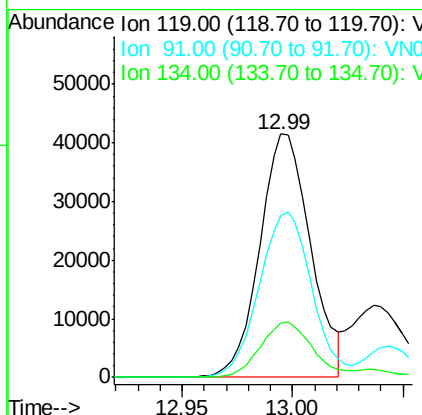
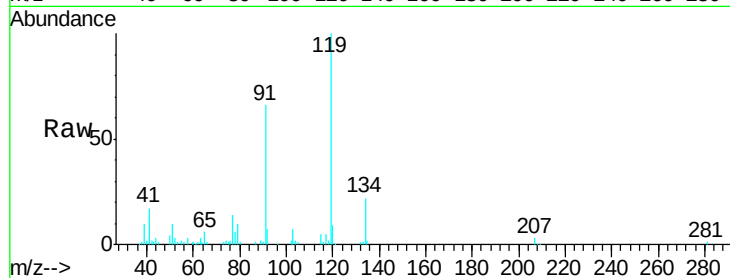
#83
 tert-Butylbenzene
 Concen: 5.364 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.3	33.7	101.0
134	23.4	12.9	38.7

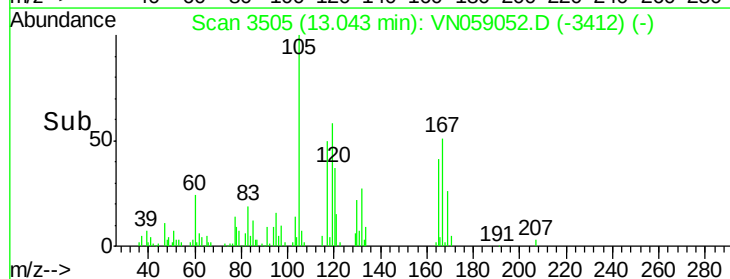
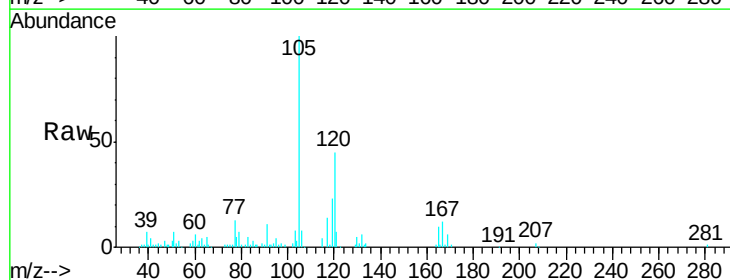
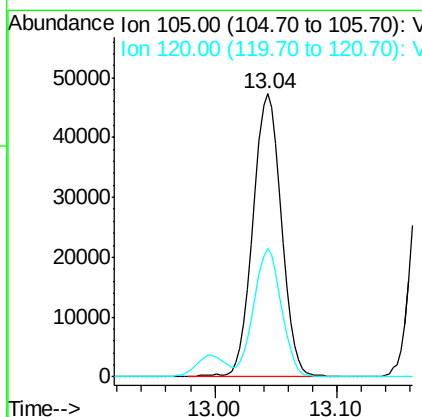
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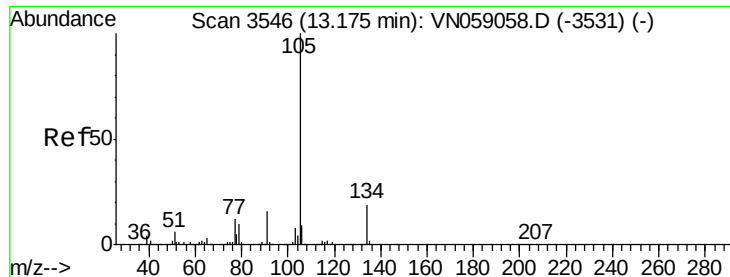
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.332 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.9





#85

sec-Butylbenzene

Concen: 5.279 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 86873

Ion Ratio Lower Upper

105 100

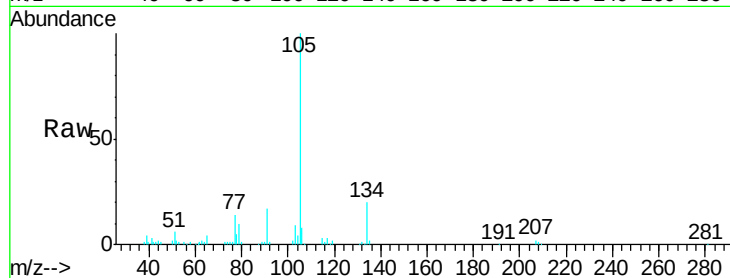
134 19.8 9.8 29.4

Manual Integrations

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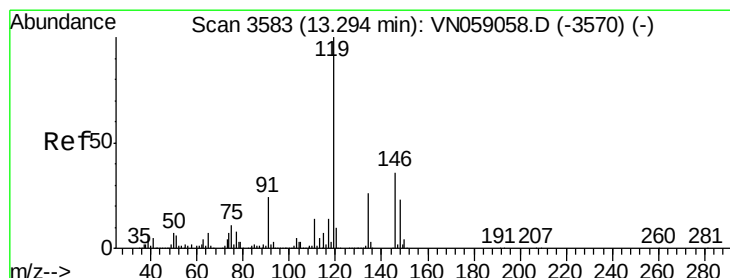
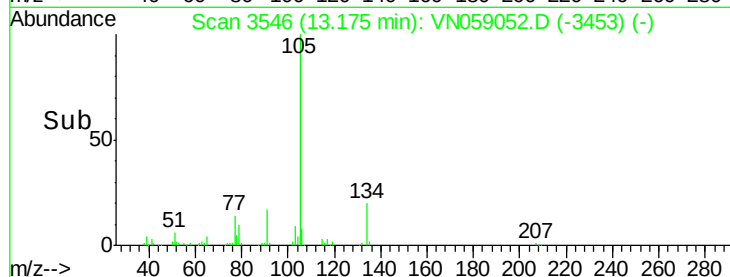
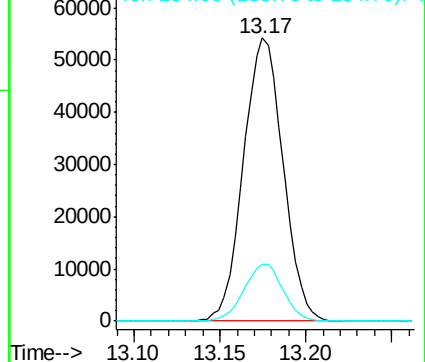
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.187 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

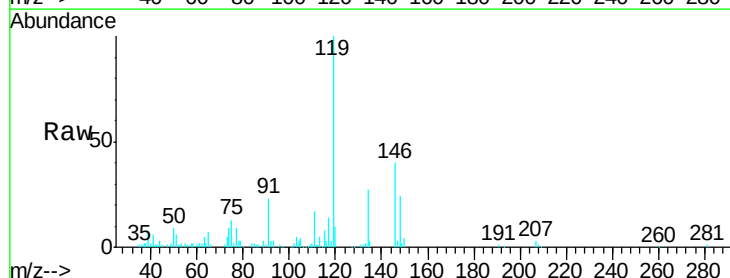
Tgt Ion:119 Resp: 75429

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

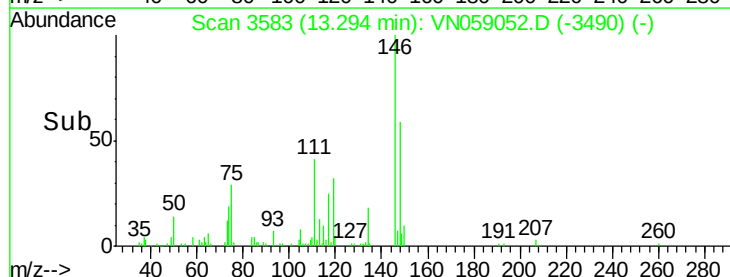
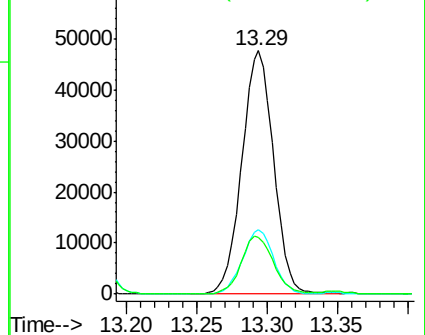
91 24.1 12.0 36.0

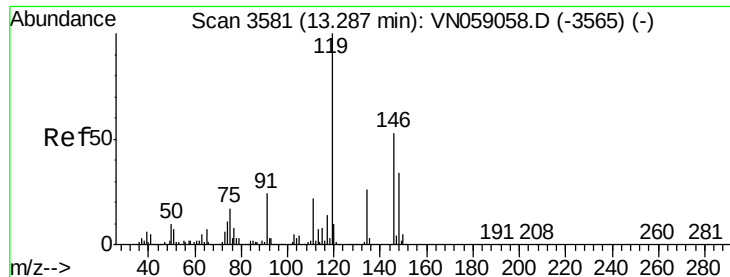


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





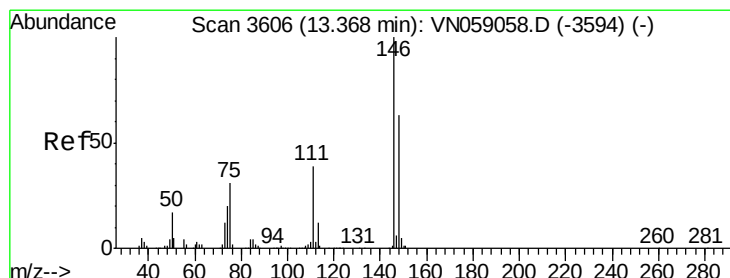
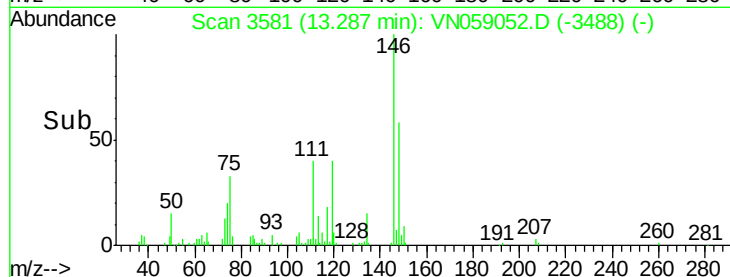
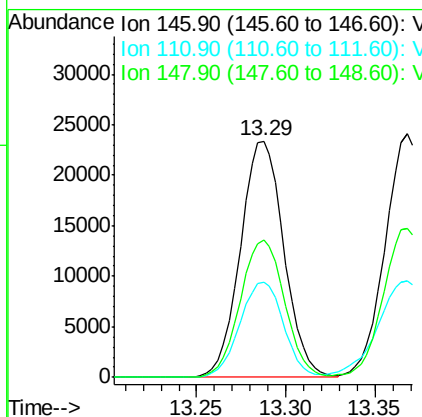
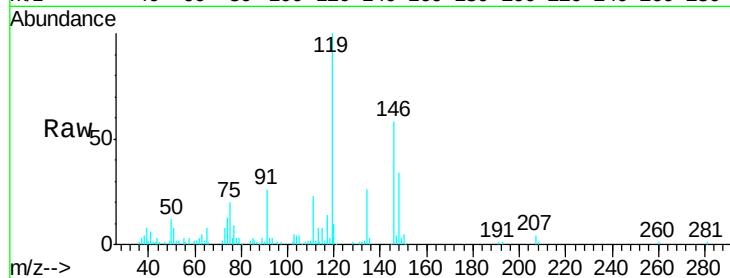
#87
 1,3-Dichlorobenzene
 Concen: 5.234 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.5
148	59.3	31.8	95.3

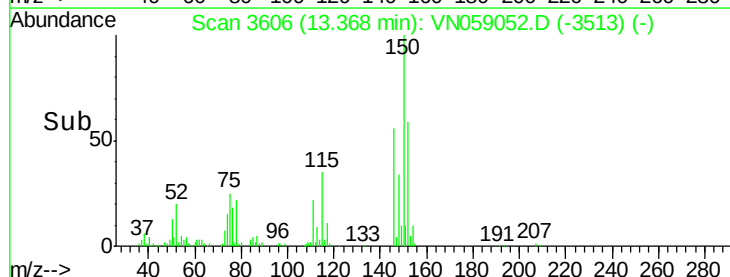
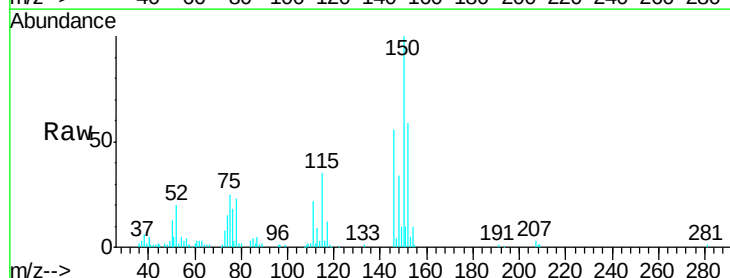
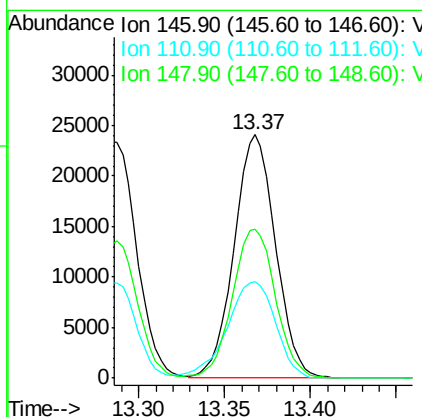
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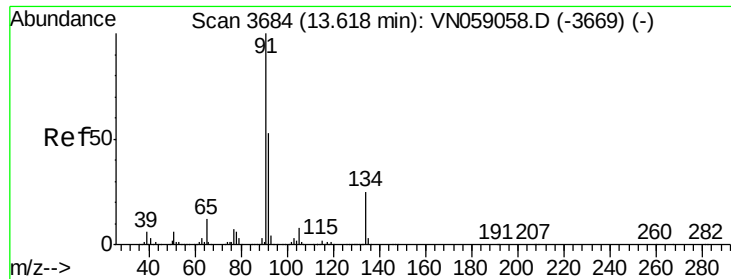
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#88
 1,4-Dichlorobenzene
 Concen: 5.320 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059052.D
 Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	20.1	60.2
148	63.8	31.9	95.7





#89

n-Butylbenzene

Concen: 4.675 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

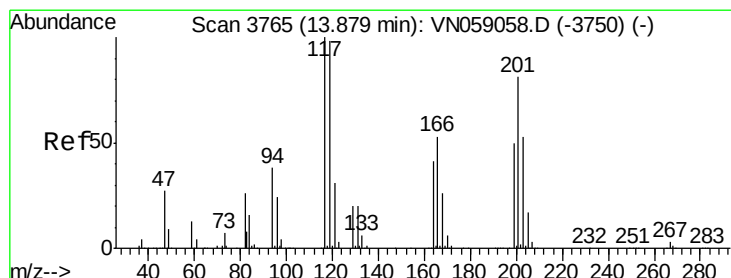
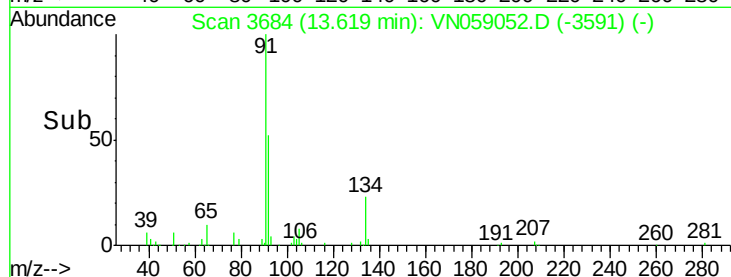
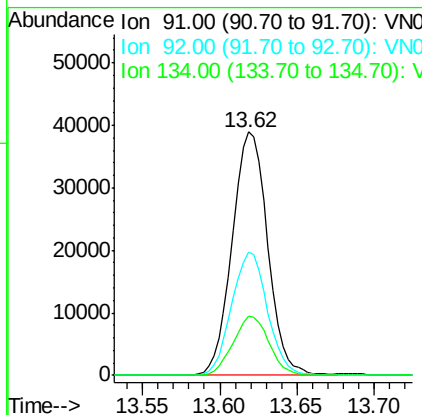
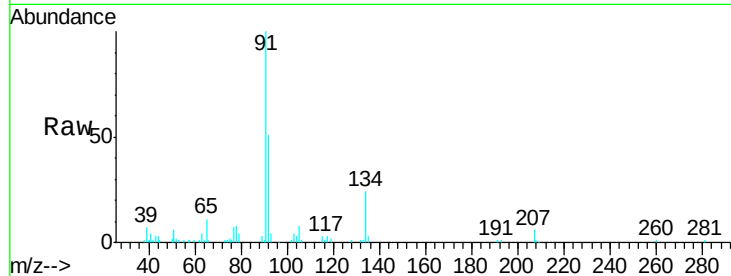
ClientSampled :

VSTDIC005

Tgt Ion:	91	Resp:	62073
Ion Ratio	Lower	Upper	
91	100		
92	50.9	26.4	79.0
134	24.4	12.5	37.5

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#90

Hexachloroethane

Concen: 5.430 ug/l

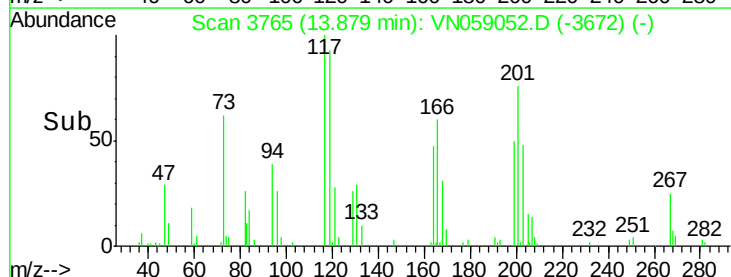
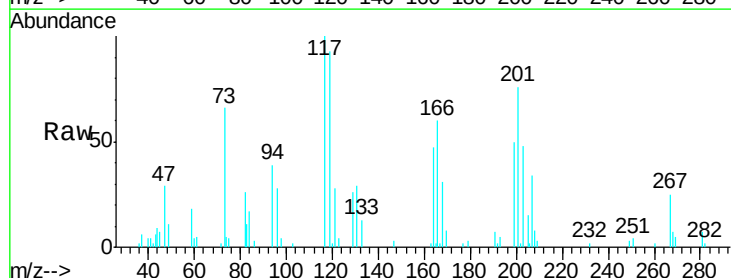
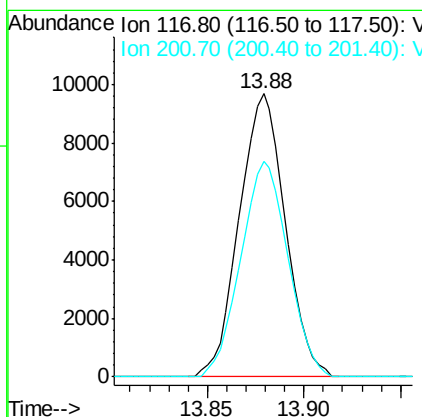
RT: 13.88 min Scan# 3765

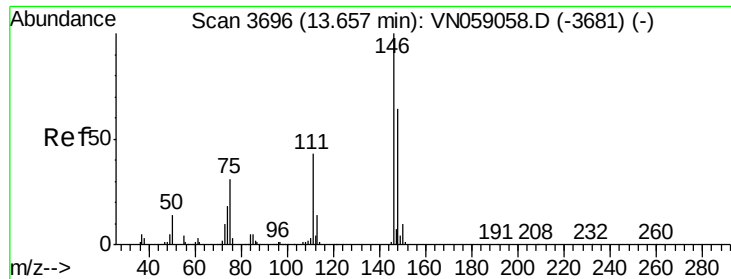
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	117	Resp:	16027
Ion Ratio	Lower	Upper	
117	100		
201	77.9	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 5.446 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Instrument :

MSVOA_N

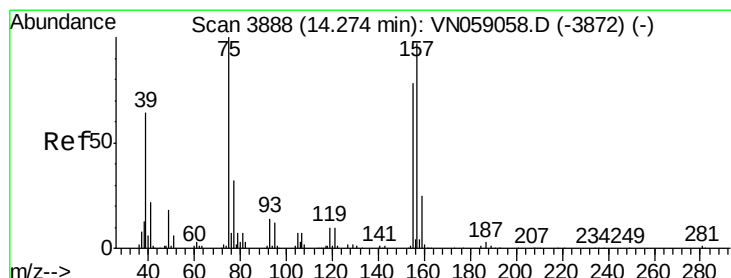
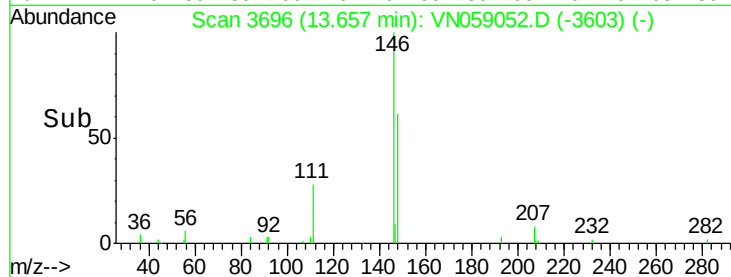
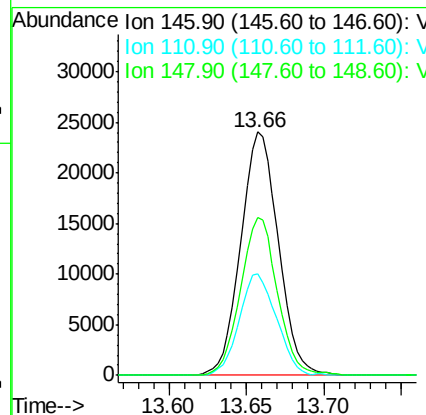
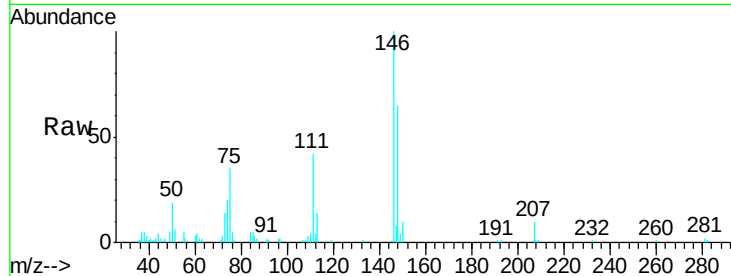
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	40561
Ion Ratio	Lower	Upper	
146	100		
111	41.0	21.2	63.6
148	63.6	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.063 ug/l

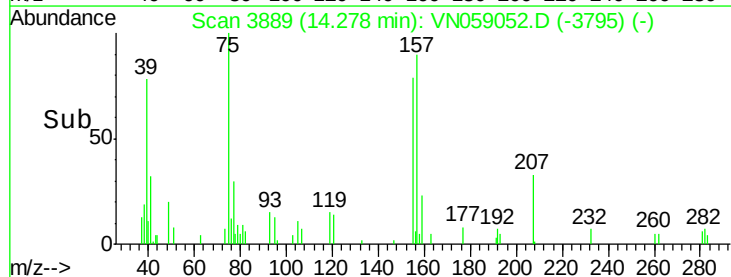
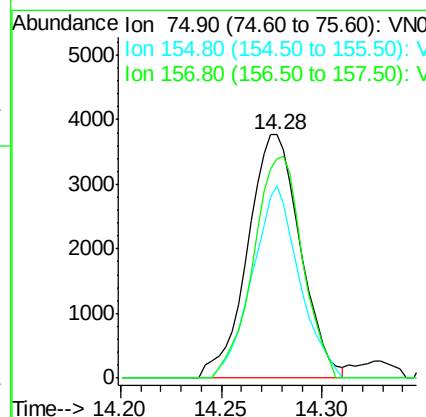
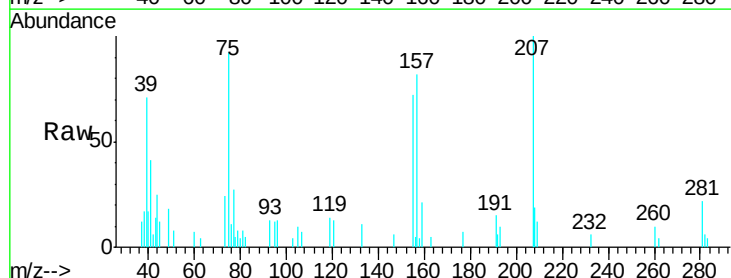
RT: 14.28 min Scan# 3889

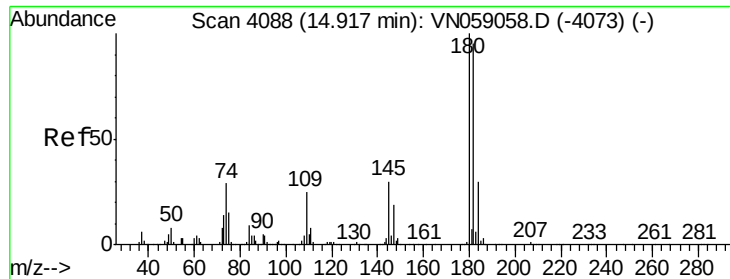
Delta R.T. 0.00 min

Lab File: VN059052.D

Acq: 1 Nov 2019 10:47

Tgt Ion:	75	Resp:	6864
Ion Ratio	Lower	Upper	
75	100		
155	70.3	39.7	119.1
157	84.8	51.0	153.0





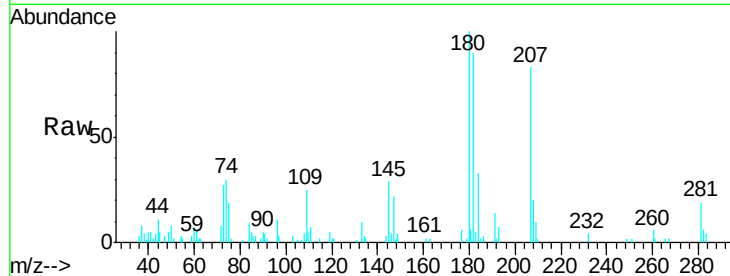
#93
1,2,4-Trichlorobenzene
Concen: 4.171 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

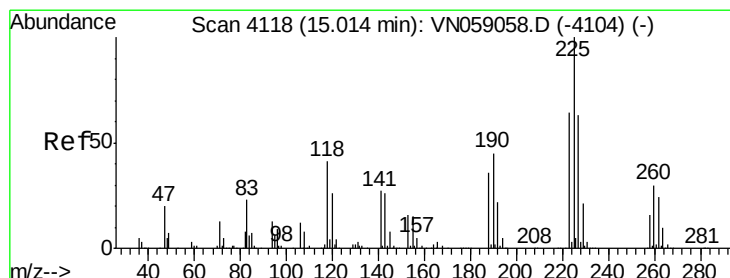
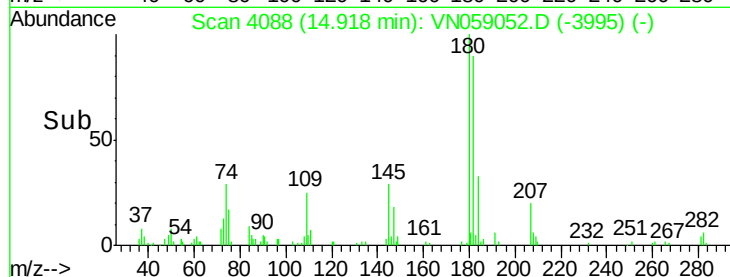
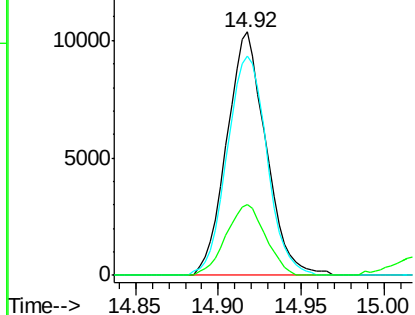
Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	91.2	47.8	143.4
145	29.2	15.1	45.3

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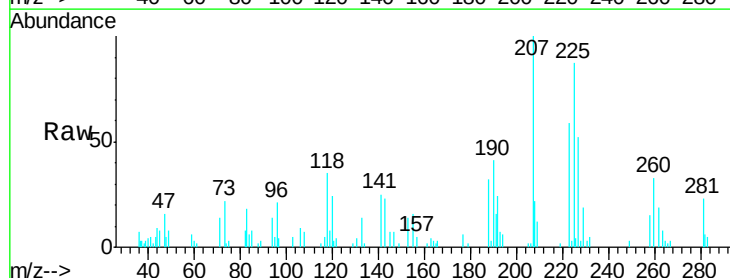


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

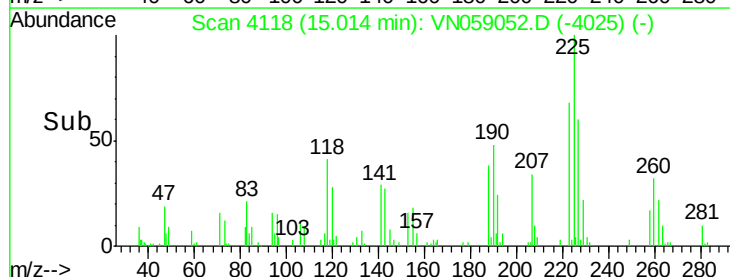
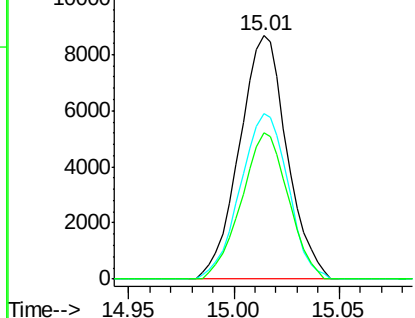


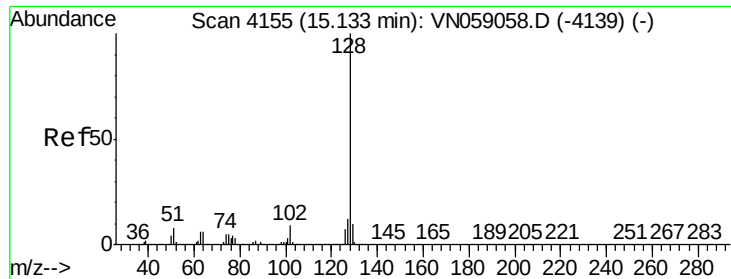
#94
Hexachlorobutadiene
Concen: 5.597 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	68.4	31.6	95.0
227	59.1	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





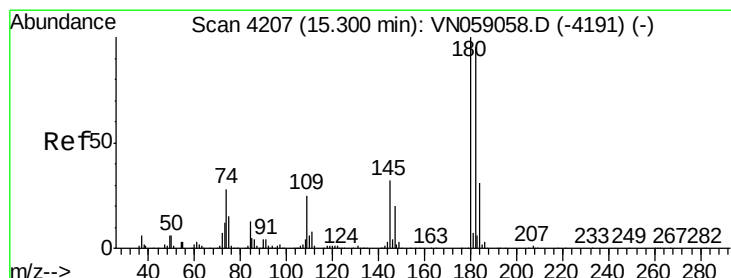
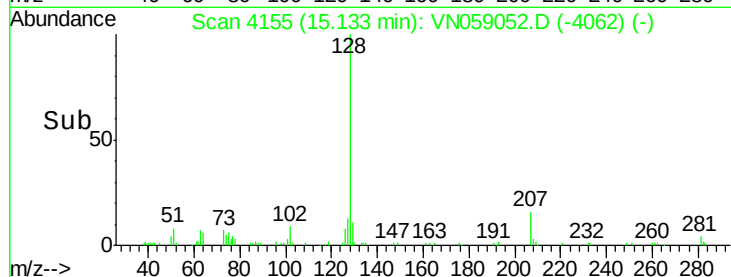
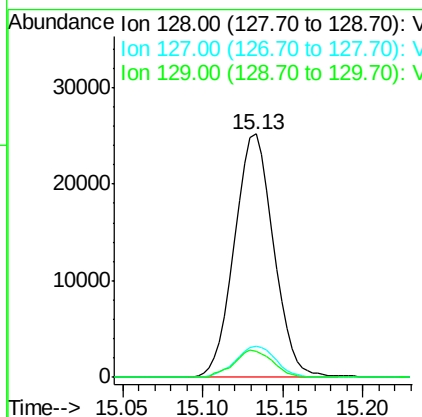
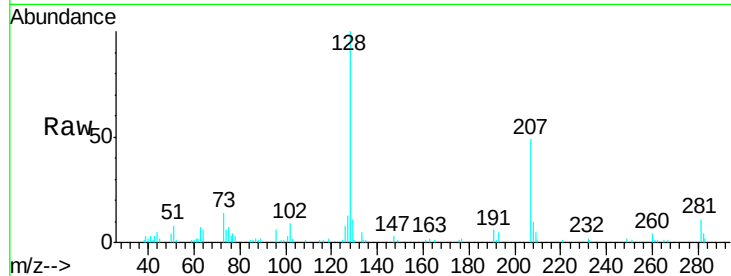
#95
Naphthalene
Concen: 3.715 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/5/2019 1:58:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.431 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN059052.D
Acq: 1 Nov 2019 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.7	143.1
145	32.2	16.0	48.0

