

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059056.D
 Acq On : 1 Nov 2019 12:15
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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 11/5/2019 1:58:57 PM

Quant Time: Nov 02 04:41:47 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	490700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	778958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	713540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	365184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	922359	130.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.54%	
35) Dibromofluoromethane	7.57	113	712045	139.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.10%	
50) Toluene-d8	10.08	98	2807675	141.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.08%	
62) 4-Bromofluorobenzene	12.40	95	1082323	148.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	784035	132.091	ug/l	98
3) Chloromethane	2.04	50	1023029	137.247	ug/l	99
4) Vinyl Chloride	2.17	62	1028500	139.539	ug/l	99
5) Bromomethane	2.52	94	587056m	129.444	ug/l	
6) Chloroethane	2.67	64	602280	128.622	ug/l	100
7) Trichlorofluoromethane	2.99	101	1203678	132.901	ug/l	99
8) Diethyl Ether	3.38	74	491849	152.709	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	713980	139.686	ug/l	100
10) Methyl Iodide	3.93	142	1005578	152.533	ug/l	100
11) Tert butyl alcohol	4.76	59	865148	725.693	ug/l	99
12) 1,1-Dichloroethene	3.71	96	717737	149.362	ug/l	97
13) Acrolein	3.58	56	652271	811.098	ug/l	99
14) Allyl chloride	4.29	41	1472203	151.725	ug/l	98
15) Acrylonitrile	4.95	53	2389730	802.399	ug/l	99
16) Acetone	3.79	43	2381479	684.944	ug/l	100
17) Carbon Disulfide	4.03	76	2276306	147.723	ug/l	100
18) Methyl Acetate	4.29	43	1190211	147.866	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	2522428	150.861	ug/l	100
20) Methylene Chloride	4.52	84	838529	139.335	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	780201	147.722	ug/l	99
22) Diisopropyl ether	5.92	45	2830653	149.946	ug/l	97
23) Vinyl Acetate	5.86	43	10007921	663.233	ug/l #	87
24) 1,1-Dichloroethane	5.82	63	1529235	139.691	ug/l	99
25) 2-Butanone	6.81	43	3358700	739.460	ug/l	98
26) 2,2-Dichloropropane	6.80	77	1279745	135.655	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	891741	148.086	ug/l	99
28) Bromochloromethane	7.17	49	446473	124.325	ug/l	100
29) Tetrahydrofuran	7.18	42	2162216	776.285	ug/l	99
30) Chloroform	7.35	83	1448628	132.803	ug/l	99
31) Cyclohexane	7.63	56	1471446	144.538	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	1251029	136.388	ug/l	99
36) 1,1-Dichloropropene	7.77	75	1173286	149.584	ug/l	99
37) Ethyl Acetate	6.90	43	1307840	152.738	ug/l	99
38) Carbon Tetrachloride	7.75	117	1118358	138.611	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1429591	160.929	ug/l	99
40) Benzene	8.02	78	3376033	145.963	ug/l	98
41) Methacrylonitrile	7.16	41	631104m	162.660	ug/l	
42) 1,2-Dichloroethane	8.10	62	1171020	133.452	ug/l	100
43) Isopropyl Acetate	8.14	43	2118186	153.942	ug/l	99
44) Trichloroethene	8.82	130	833039	147.513	ug/l	99
45) 1,2-Dichloropropane	9.10	63	932033	147.046	ug/l	98
46) Dibromomethane	9.19	93	567417	142.168	ug/l	99
47) Bromodichloromethane	9.39	83	1177413	143.476	ug/l	99
48) Methyl methacrylate	9.18	41	990941	159.750	ug/l	98
49) 1,4-Dioxane	9.19	88	297848	2855.090	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	5234677	654.459	ug/l #	85
52) Toluene	10.15	92	2090018	152.685	ug/l	93
53) t-1,3-Dichloropropene	10.37	75	1411097	154.893	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1510958	154.843	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	821047	145.384	ug/l	99
56) Ethyl methacrylate	10.42	69	1435717	172.191	ug/l	100
57) 1,3-Dichloropropane	10.70	76	1451521	147.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2787922	795.176	ug/l	98
59) 2-Hexanone	10.75	43	4287267	694.879	ug/l	89
60) Dibromochloromethane	10.90	129	923009	152.040	ug/l	99
61) 1,2-Dibromoethane	11.00	107	872264	151.242	ug/l	100
64) Tetrachloroethene	10.63	164	730215	147.766	ug/l	98
65) Chlorobenzene	11.43	112	2171678	150.982	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	821117	151.551	ug/l	99
67) Ethyl Benzene	11.51	91	3702906	147.128	ug/l	90
68) m/p-Xylenes	11.62	106	2988429	320.627	ug/l	79
69) o-Xylene	11.95	106	1456676	163.426	ug/l	91
70) Styrene	11.96	104	2464184	169.531	ug/l	98
71) Bromoform	12.13	173	697358	165.185	ug/l #	100
73) Isopropylbenzene	12.25	105	3605347	136.249	ug/l	95
74) N-amyl acetate	12.07	43	1897483	159.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1305472	140.341	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1147606m	135.489	ug/l	
77) Bromobenzene	12.53	156	949172	145.311	ug/l	99
78) n-propylbenzene	12.59	91	4081446	130.642	ug/l	92
79) 2-Chlorotoluene	12.68	91	2663779	139.108	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	3190941	144.011	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	516204	159.082	ug/l	98
82) 4-Chlorotoluene	12.78	91	2789318	142.951	ug/l	97
83) tert-Butylbenzene	13.00	119	2806207	147.883	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3169775	145.131	ug/l	94
85) sec-Butylbenzene	13.17	105	3576890	141.701	ug/l	96
86) p-Isopropyltoluene	13.29	119	3283886	147.212	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	1743069	149.659	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1736729	149.037	ug/l	100
89) n-Butylbenzene	13.62	91	3104657	152.431	ug/l	95
90) Hexachloroethane	13.88	117	657593	145.238	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1679820	147.015	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	291153	139.987	ug/l	98

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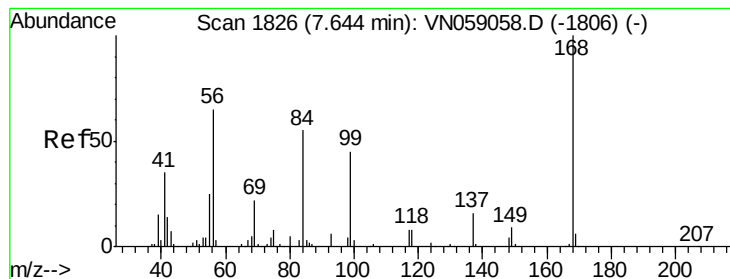
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	1131584	180.425	ug/l	99
94) Hexachlorobutadiene	15.01	225	547363	147.045	ug/l	100
95) Naphthalene	15.13	128	3145237	181.045	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1096251	177.611	ug/l	100

(#) = 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

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Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 168 Resp: 490700

Ion Ratio Lower Upper

168 100

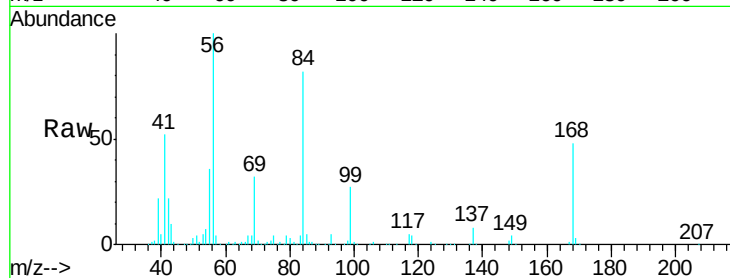
99 56.6 44.1 66.1

Manual Integrations

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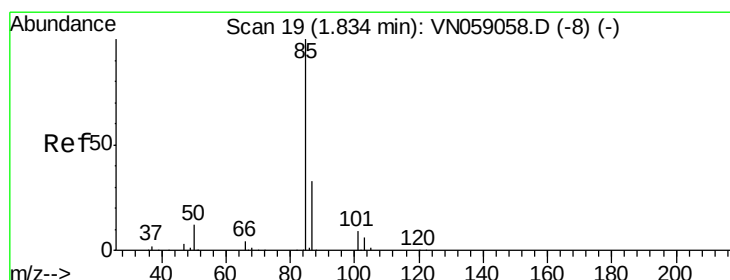
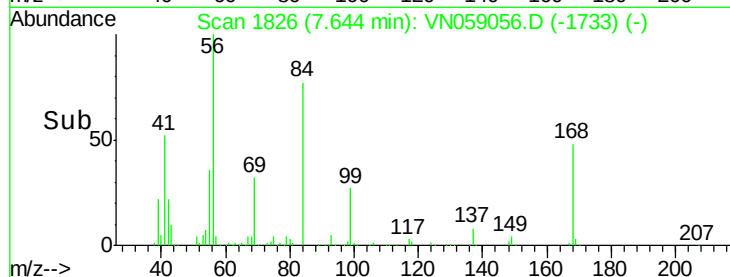
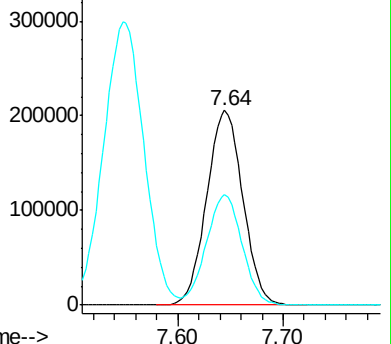
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 132.091 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059056.D

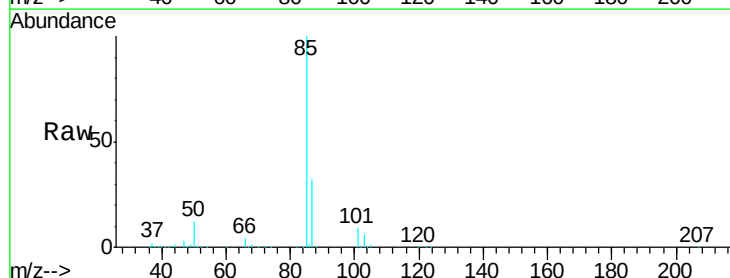
Acq: 1 Nov 2019 12:15

Tgt Ion: 85 Resp: 784035

Ion Ratio Lower Upper

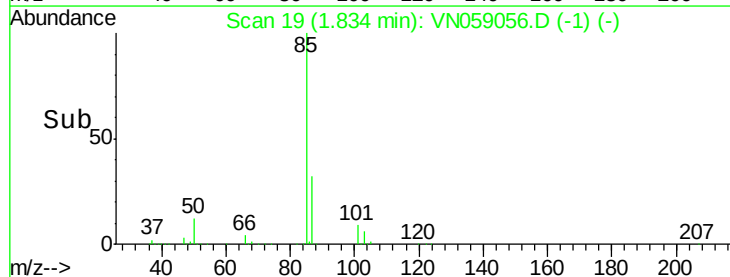
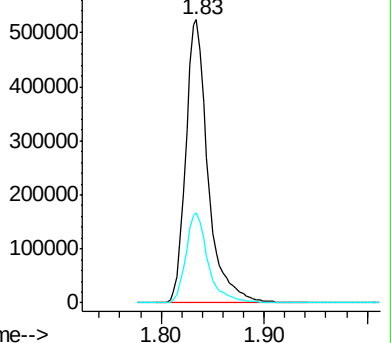
85 100

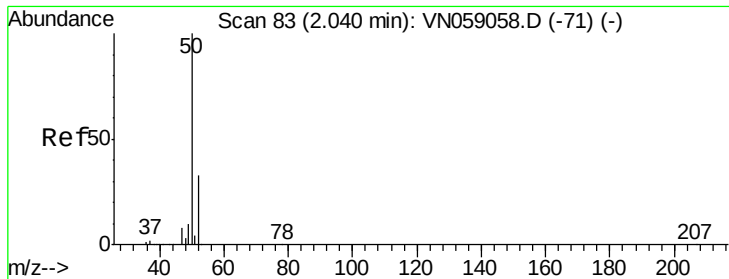
87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 137.247 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 1023029

Ion Ratio Lower Upper

50 100

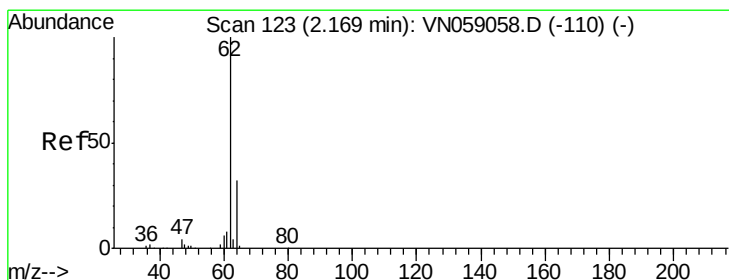
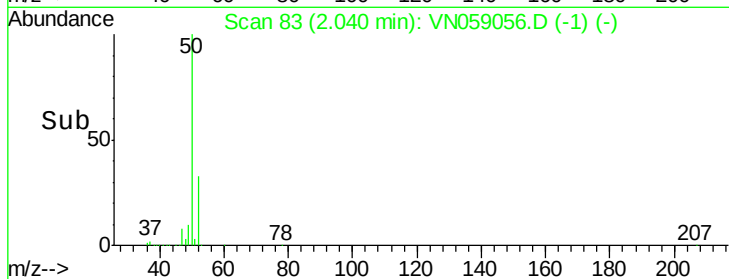
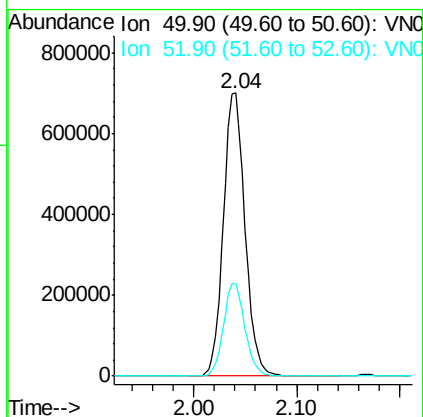
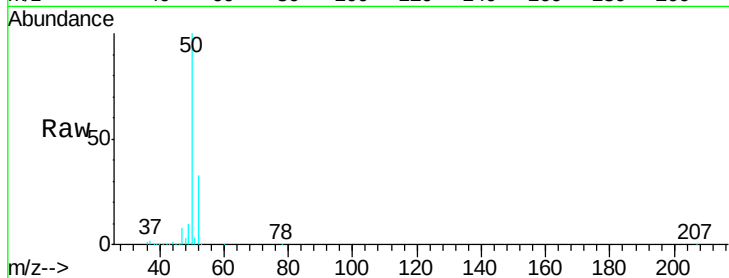
52 32.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 139.539 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059056.D

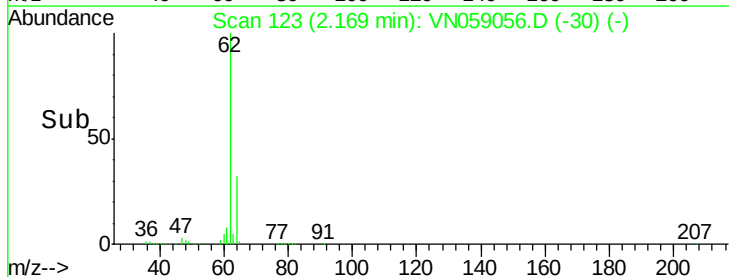
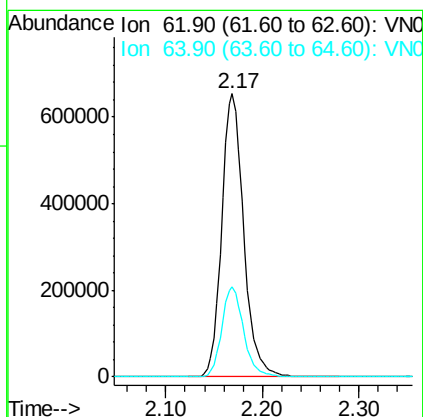
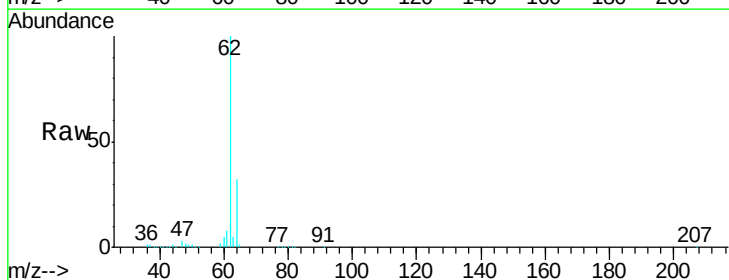
Acq: 1 Nov 2019 12:15

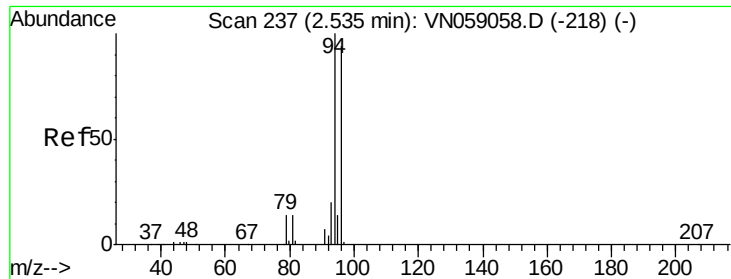
Tgt Ion: 62 Resp: 1028500

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 129.444 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 587056

Ion Ratio Lower Upper

94 100

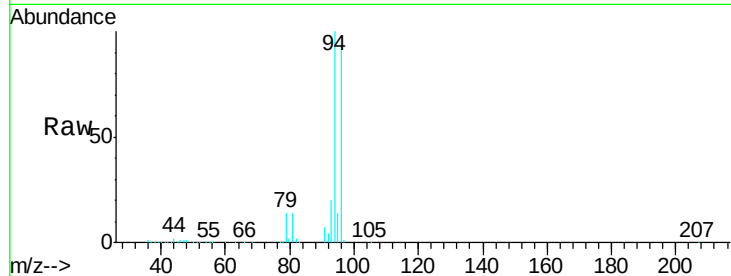
96 93.9 75.1 112.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

300000

250000

200000

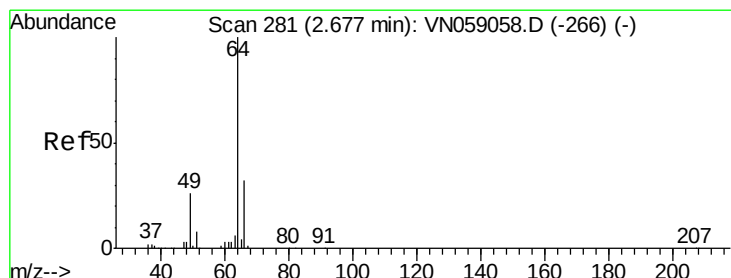
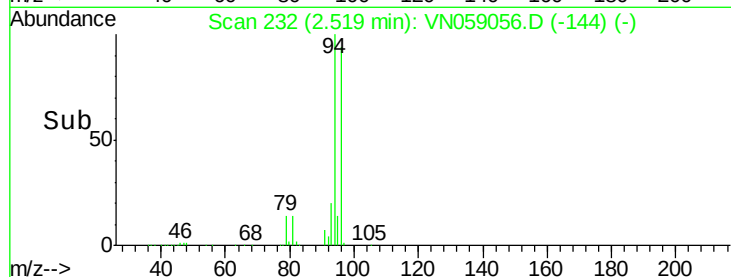
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 128.622 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN059056.D

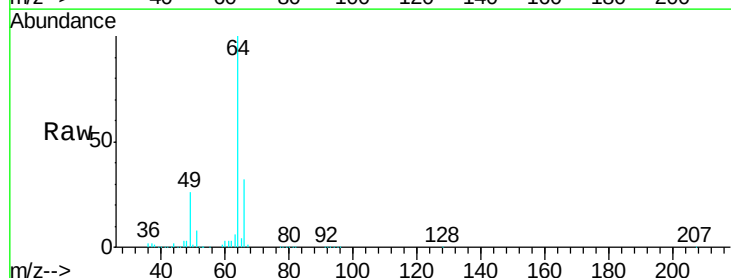
Acq: 1 Nov 2019 12:15

Tgt Ion: 64 Resp: 602280

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

300000

250000

200000

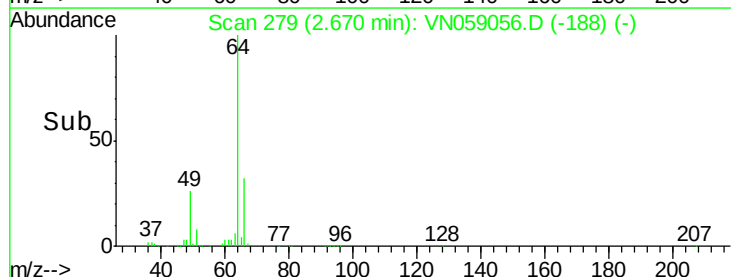
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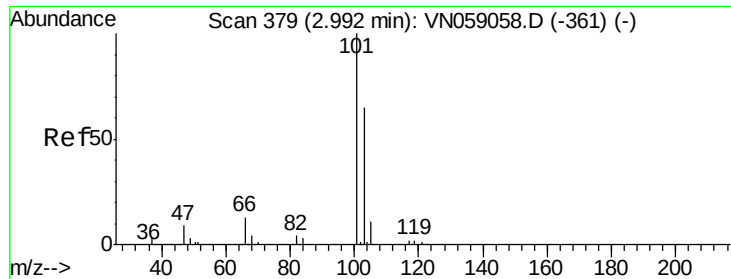
100000

50000

0

Time-->





#7

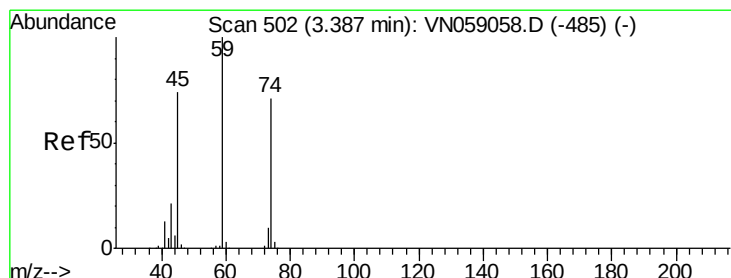
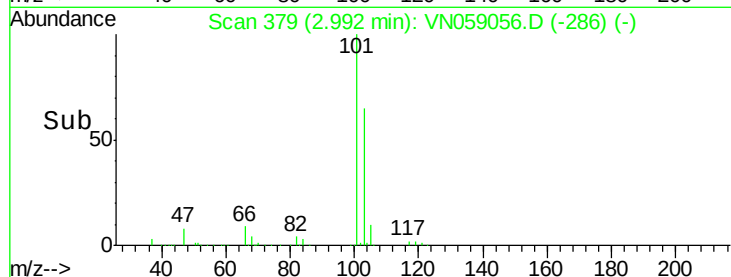
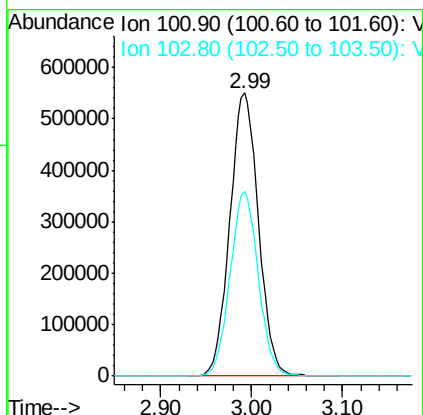
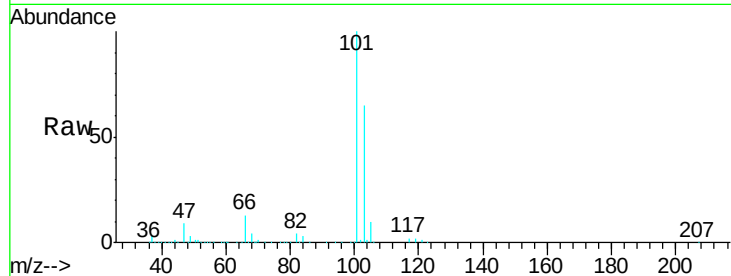
Trichlorofluoromethane
 Concen: 132.901 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

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 VSTDIC150

Tgt Ion:101 Resp: 1203678
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.7 77.5

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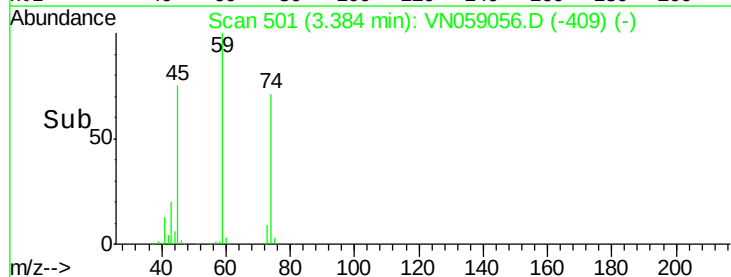
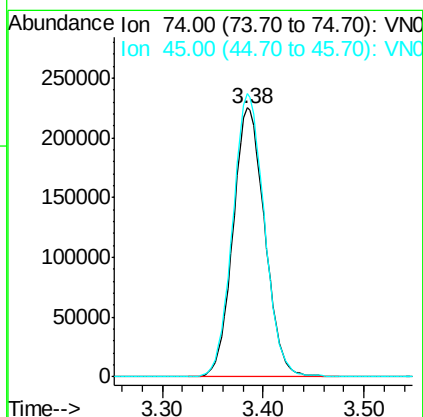
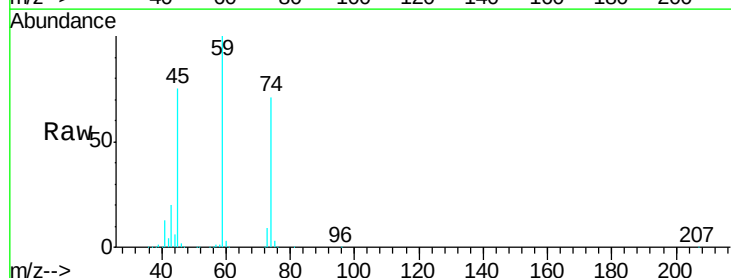
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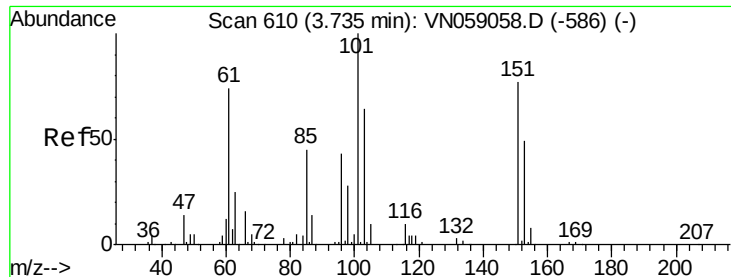


#8

Diethyl Ether
 Concen: 152.709 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion: 74 Resp: 491849
 Ion Ratio Lower Upper
 74 100
 45 105.2 52.8 158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.686 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

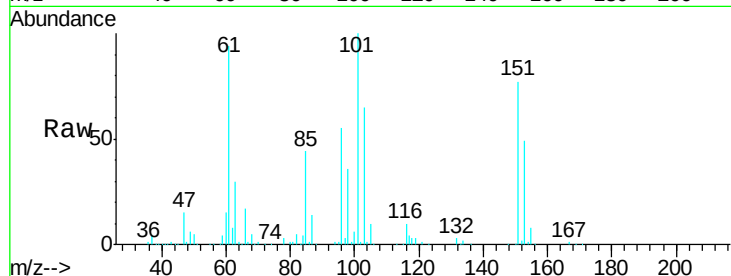
ClientSampleId :

VSTDIC150

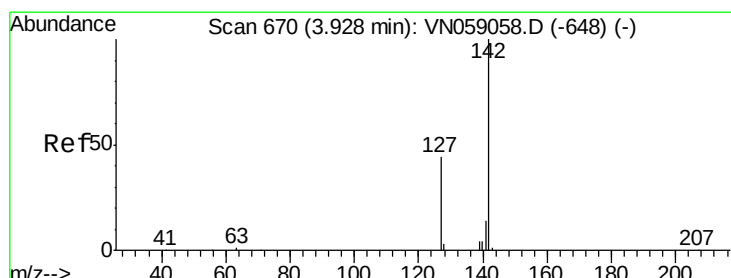
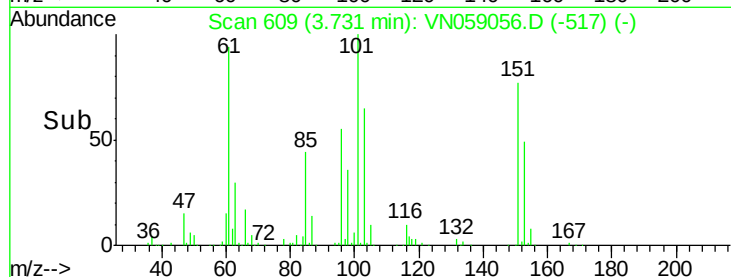
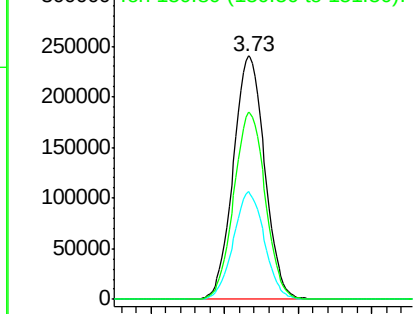
Tgt Ion:	101	Resp:	713980
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.0	52.6
151	77.0	61.3	91.9

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 152.533 ug/l

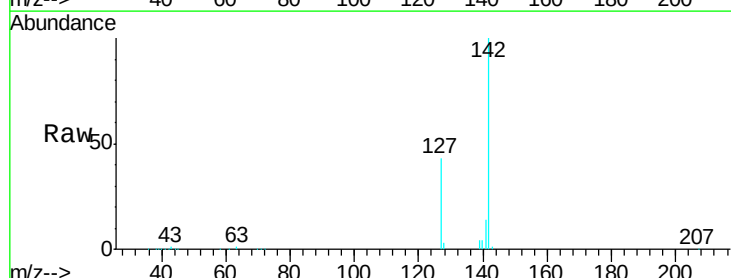
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

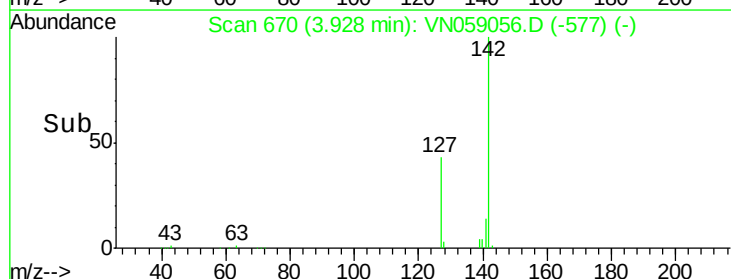
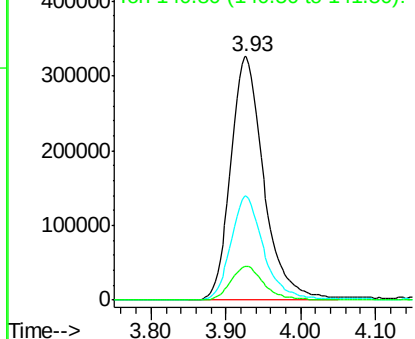
Lab File: VN059056.D

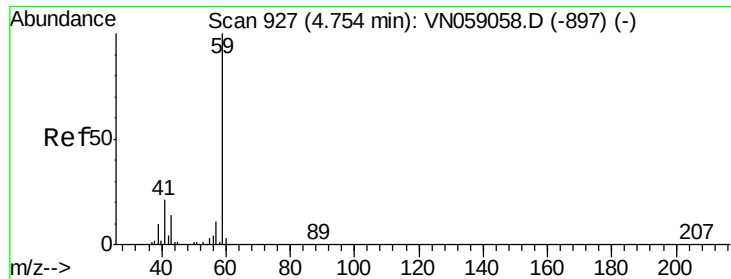
Acq: 1 Nov 2019 12:15

Tgt Ion:	142	Resp:	1005578
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	13.9	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

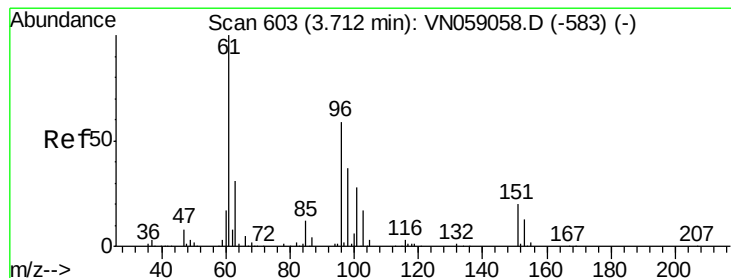
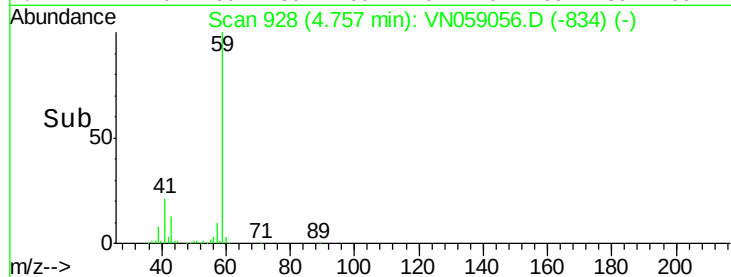
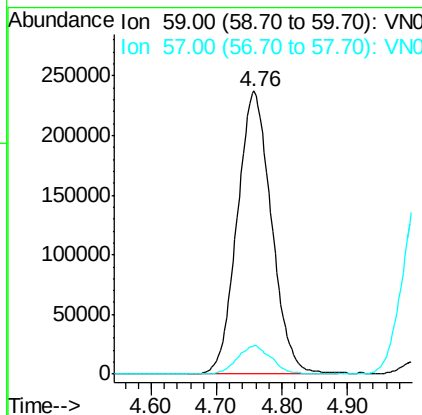
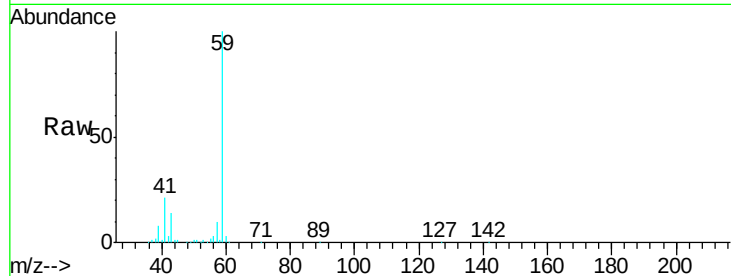
Tert butyl alcohol
Concen: 725.693 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	865148		
57	10.1		8.2	12.4

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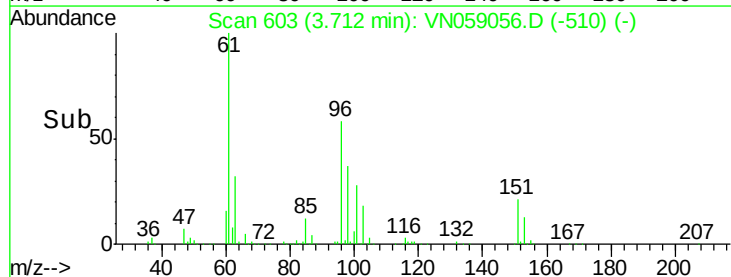
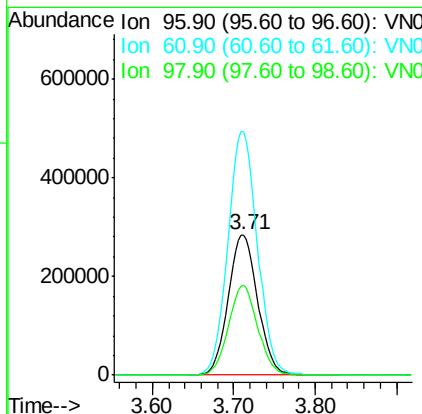
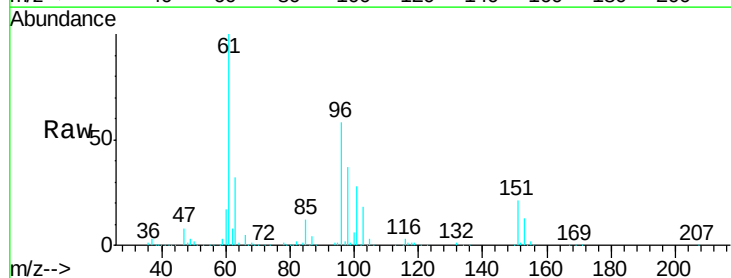
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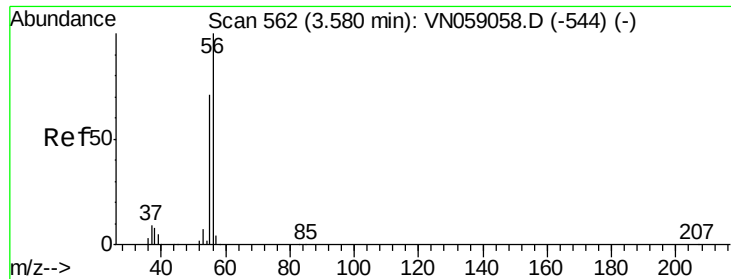


#12

1,1-Dichloroethene
Concen: 149.362 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	717737		
61	173.0		135.3	202.9
98	64.0		49.4	74.2





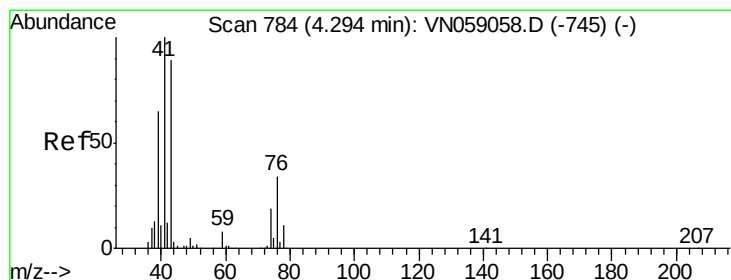
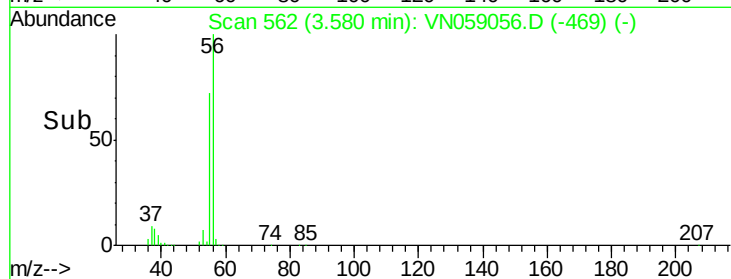
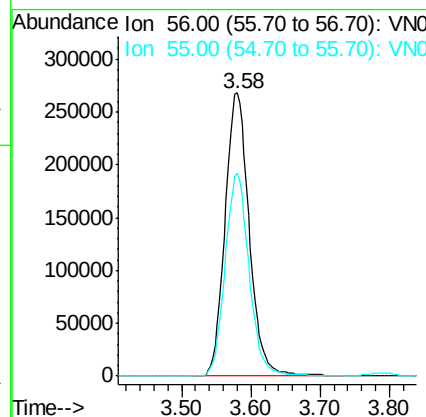
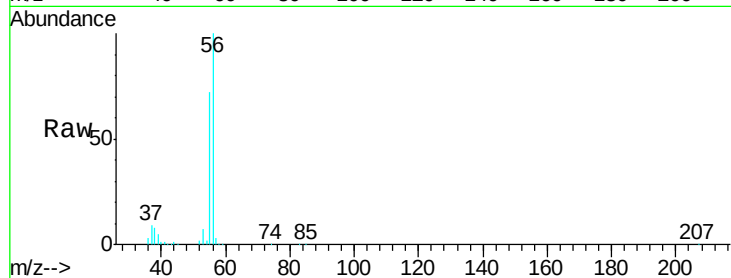
#13
 Acrolein
 Concen: 811.098 ug/l
 RT: 3.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.1	84.1

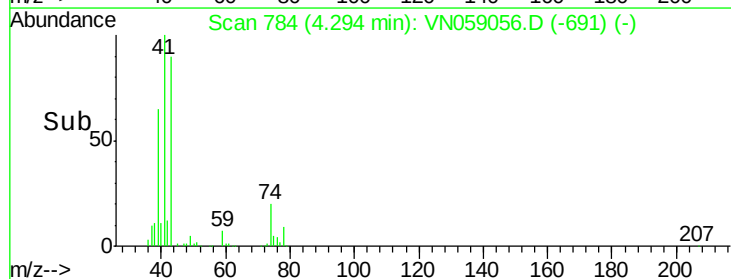
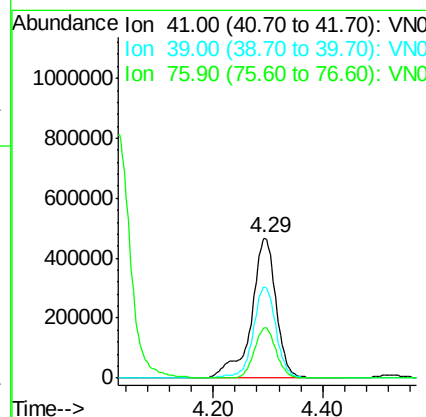
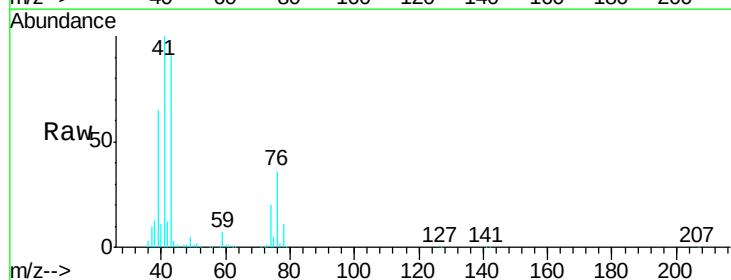
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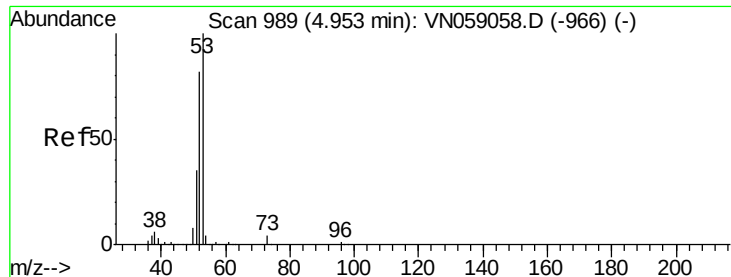
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#14
 Allyl chloride
 Concen: 151.725 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.4	49.4	74.2
76	31.5	24.6	37.0





#15

Acrylonitrile

Concen: 802.399 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 2389730

Ion Ratio Lower Upper

53 100

52 81.6 66.0 99.0

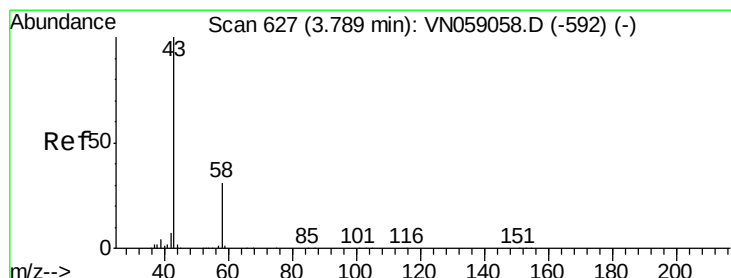
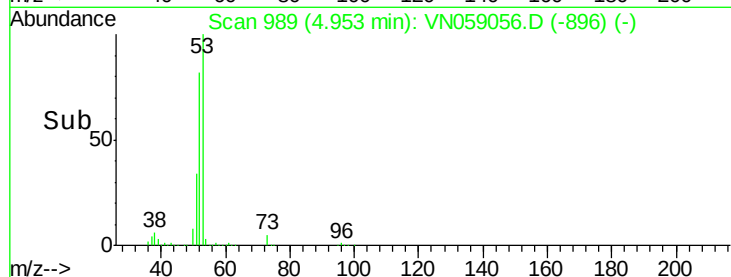
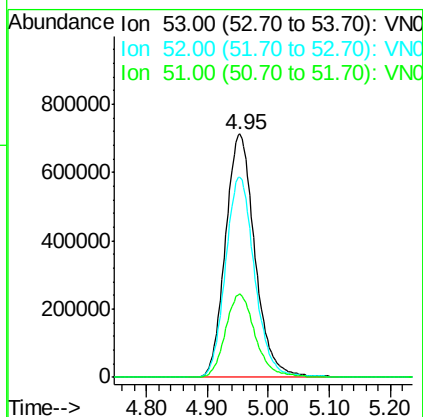
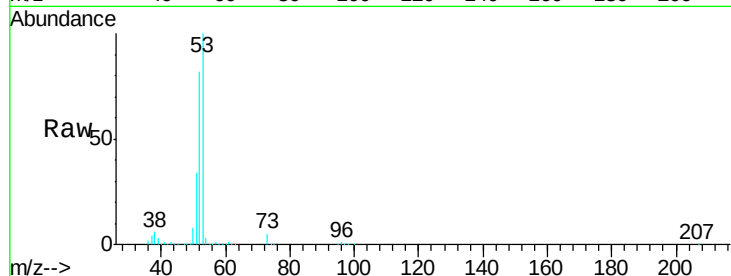
51 34.7 28.3 42.5

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11/5/2019 1:58:57 PM



#16

Acetone

Concen: 684.944 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059056.D

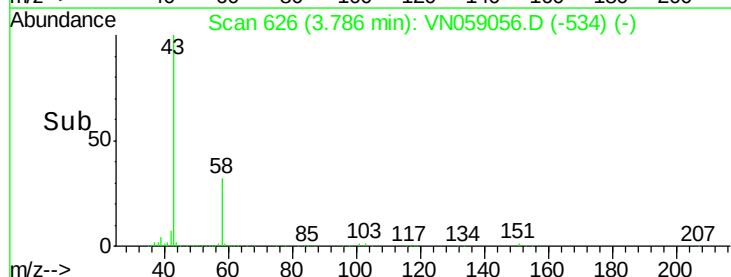
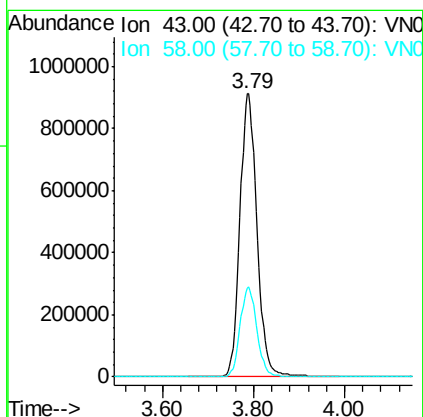
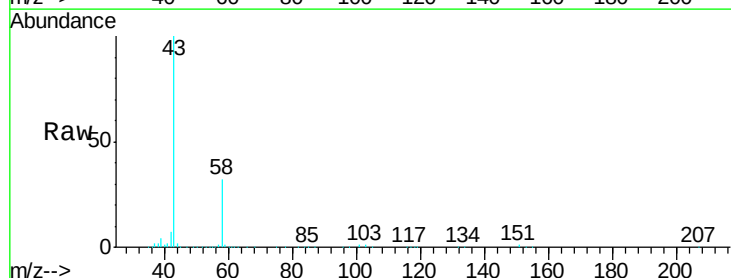
Acq: 1 Nov 2019 12:15

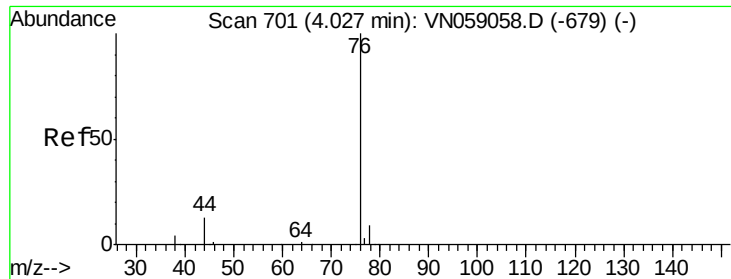
Tgt Ion: 43 Resp: 2381479

Ion Ratio Lower Upper

43 100

58 31.6 25.0 37.6





#17

Carbon Disulfide

Concen: 147.723 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 2276306

Ion Ratio Lower Upper

76 100

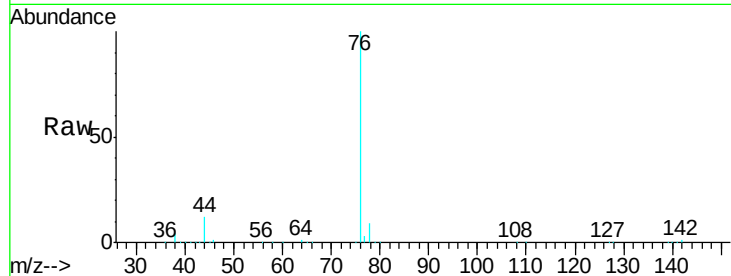
78 8.9 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN059058.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059058.D (-679) (-)

4.03

800000

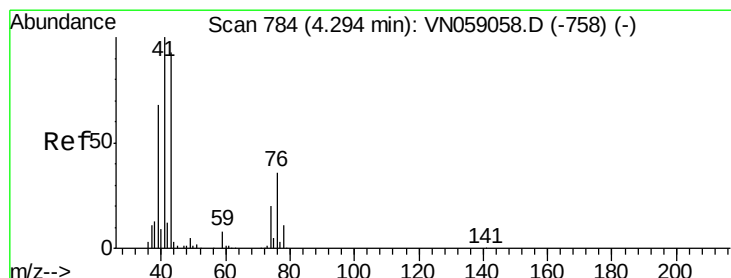
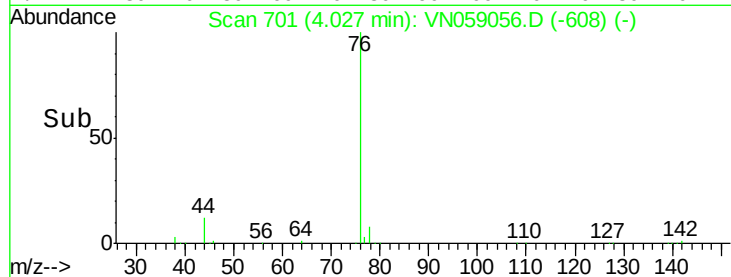
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 147.866 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059056.D

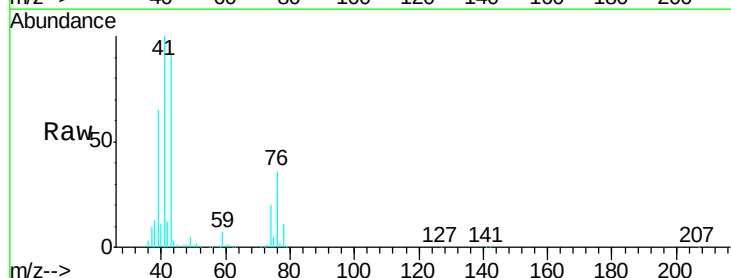
Acq: 1 Nov 2019 12:15

Tgt Ion: 43 Resp: 1190211

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN059058.D (-758) (-)

4.29

500000

400000

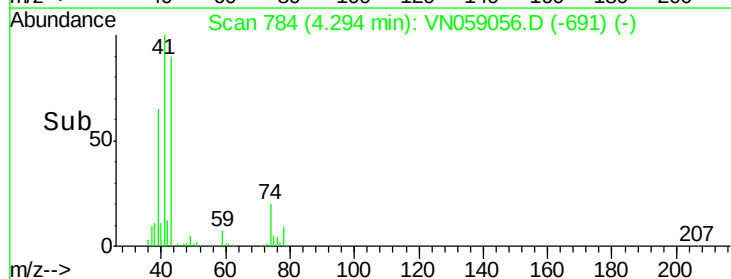
300000

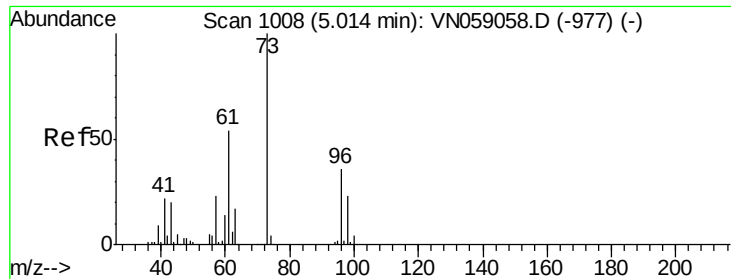
200000

100000

0

Time-->





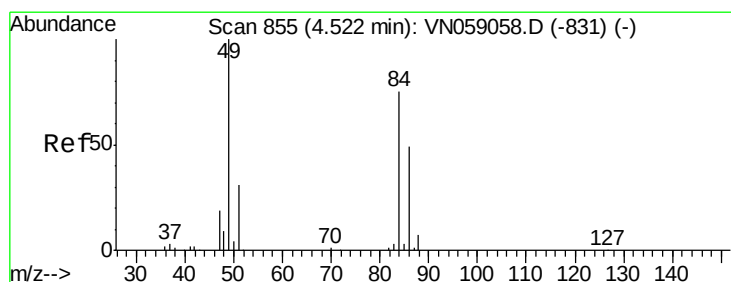
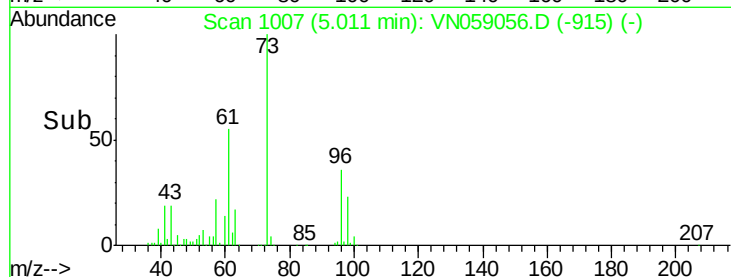
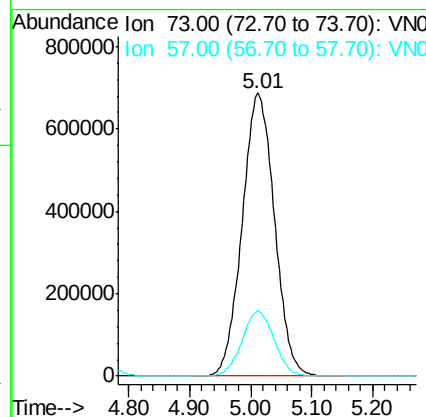
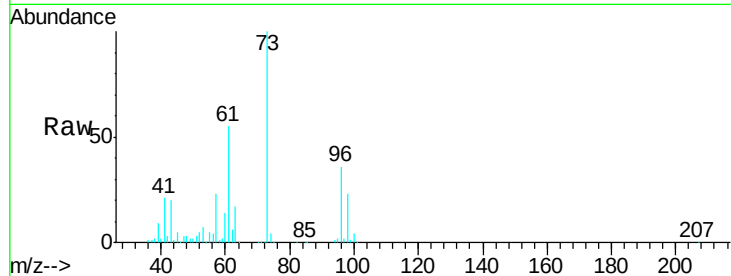
#19
Methyl tert-butyl Ether
Concen: 150.861 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 2522428
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

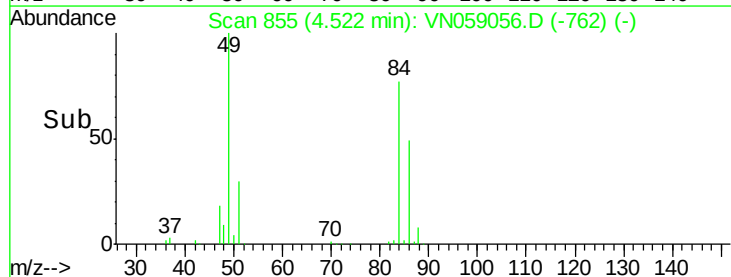
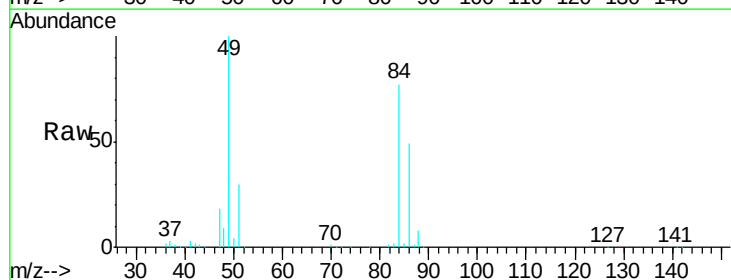
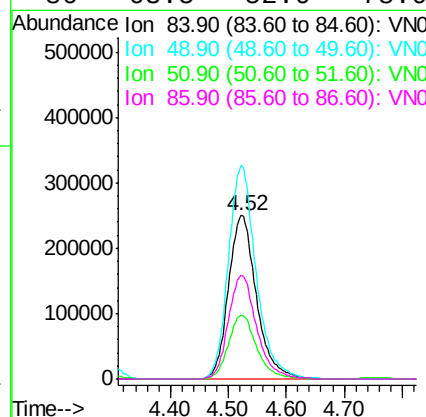
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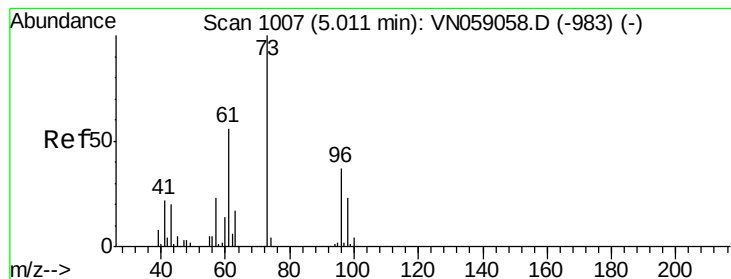
MMDadoda
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#20
Methylene Chloride
Concen: 139.335 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion: 84 Resp: 838529
Ion Ratio Lower Upper
84 100
49 130.6 106.4 159.6
51 38.9 33.0 49.4
86 63.5 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 147.722 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

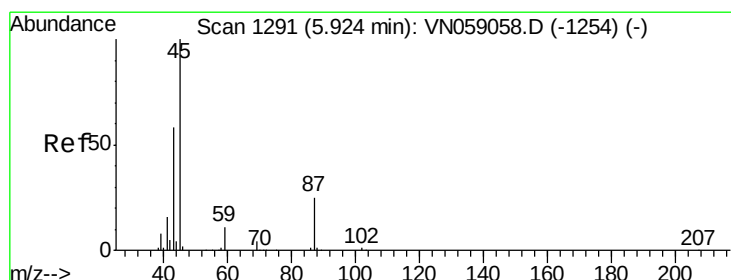
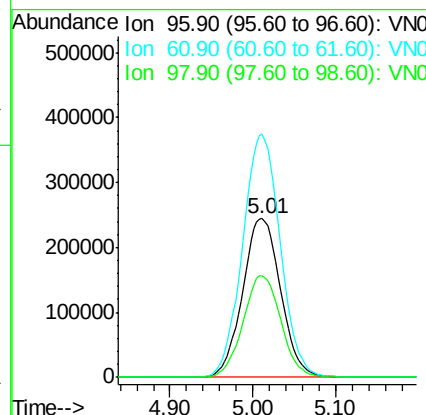
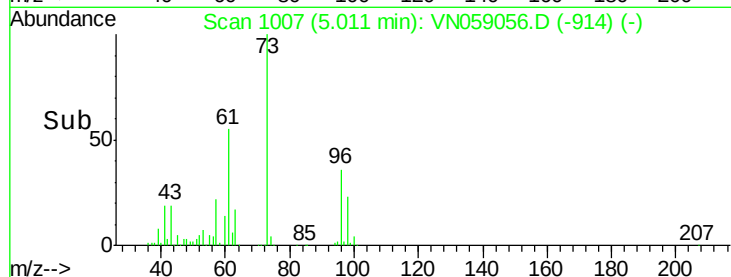
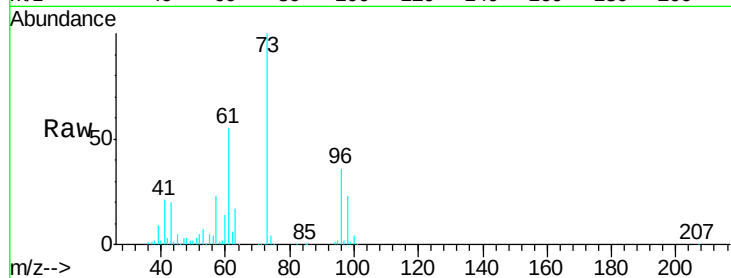
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	780201
Ion	Ratio	Lower	Upper
96	100		
61	153.1	121.7	182.5
98	64.0	50.6	76.0

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11/5/2019 1:58:57 PM



#22

Diisopropyl ether

Concen: 149.946 ug/l

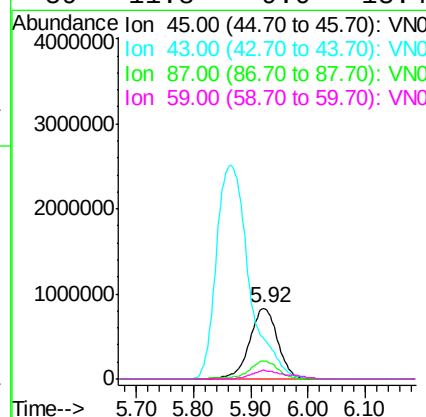
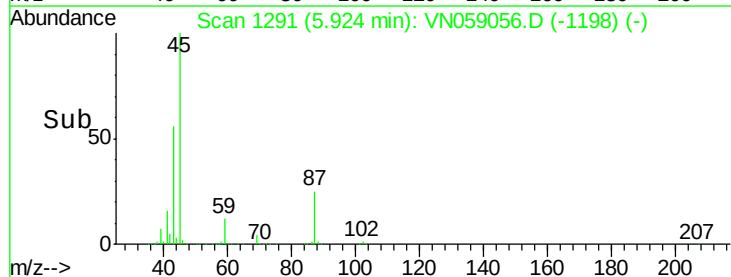
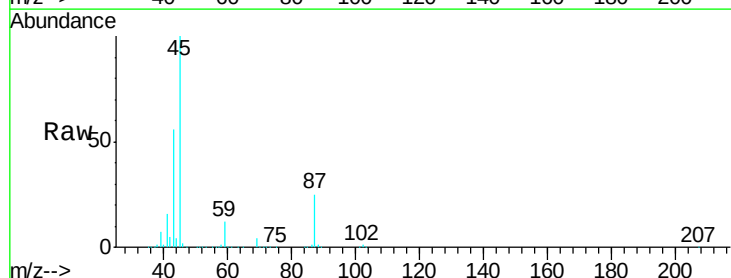
RT: 5.92 min Scan# 1291

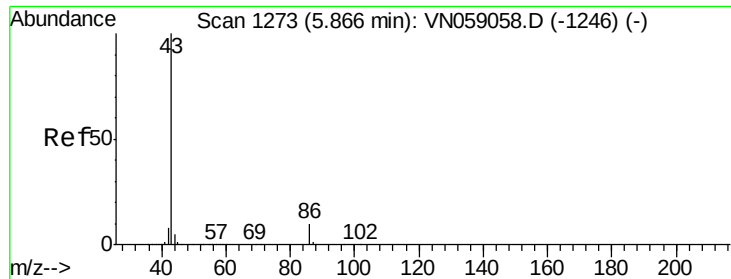
Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Tgt Ion:	45	Resp:	2830653
Ion	Ratio	Lower	Upper
45	100		
43	55.7	46.9	70.3
87	25.4	20.1	30.1
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 663.233 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp:10007921

Ion Ratio Lower Upper

43 100

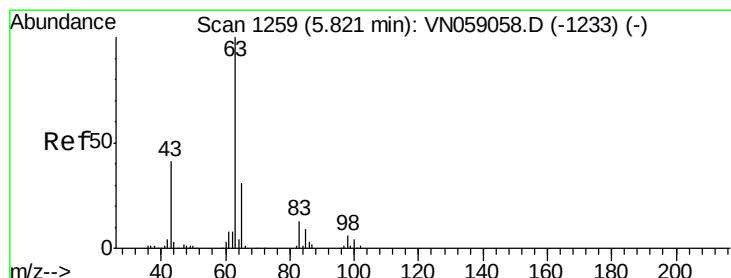
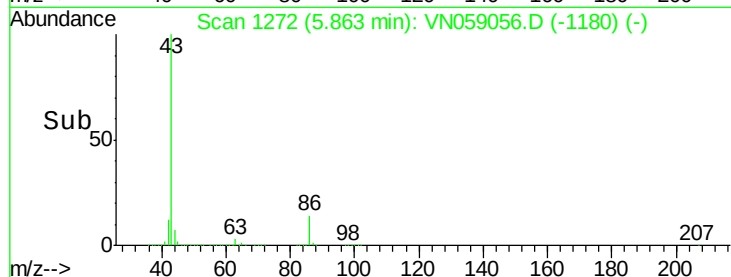
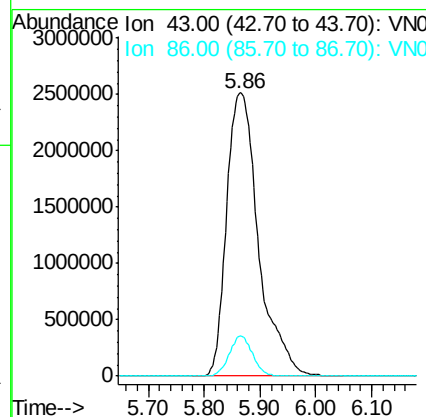
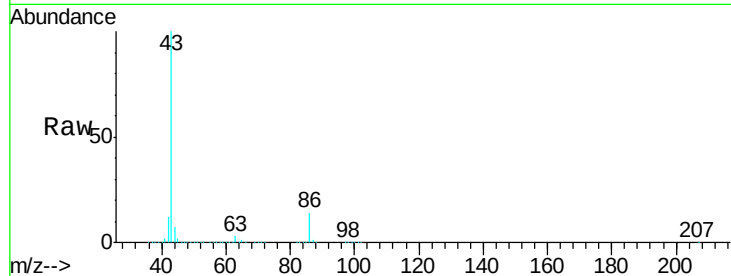
86 14.1 7.6 11.4#

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#24

1,1-Dichloroethane

Concen: 139.691 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

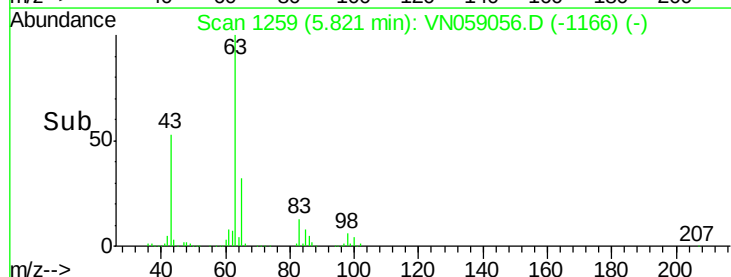
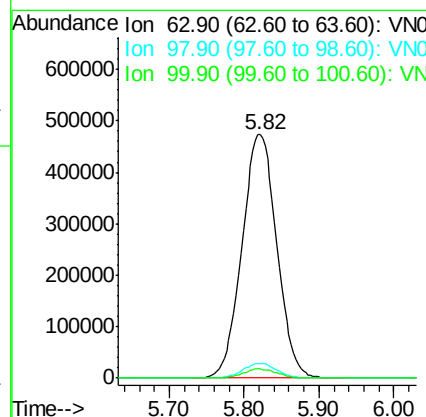
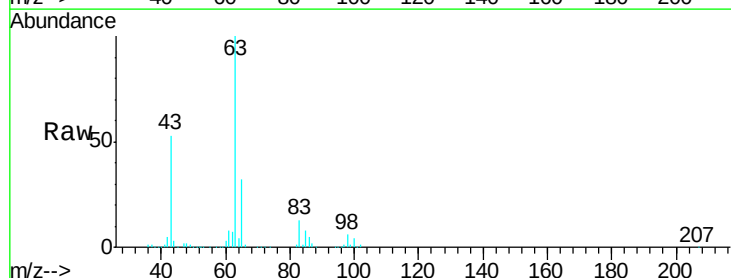
Tgt Ion: 63 Resp: 1529235

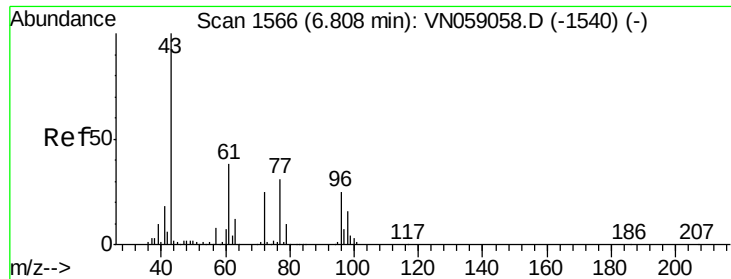
Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 739.460 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3358700

Ion Ratio Lower Upper

43 100

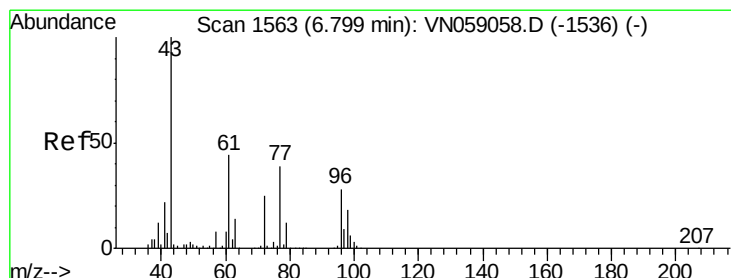
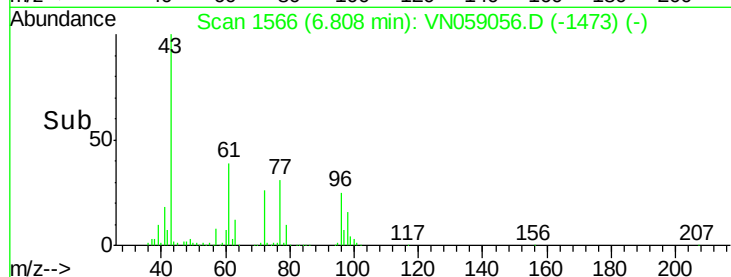
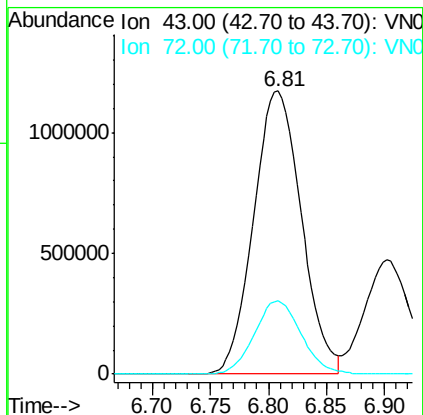
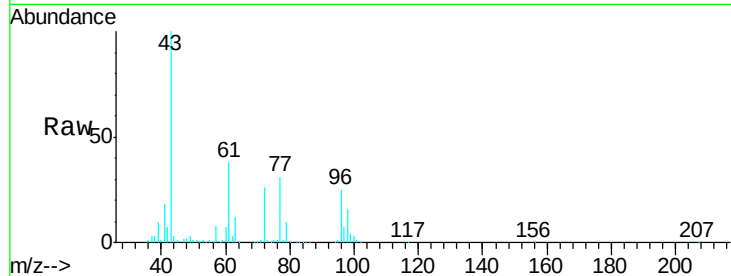
72 25.7 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 135.655 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059056.D

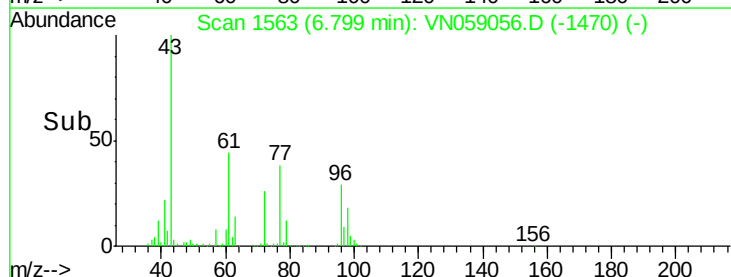
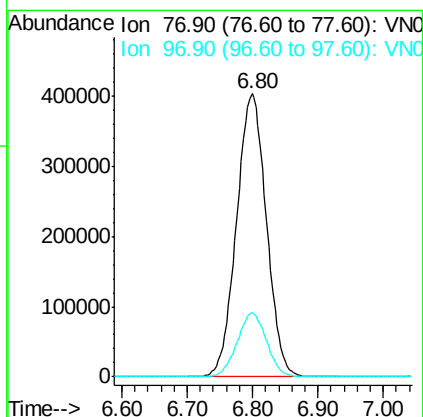
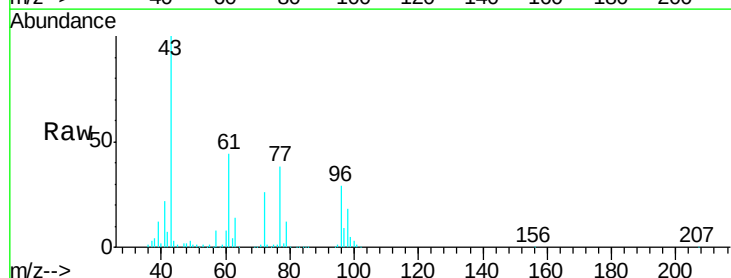
Acq: 1 Nov 2019 12:15

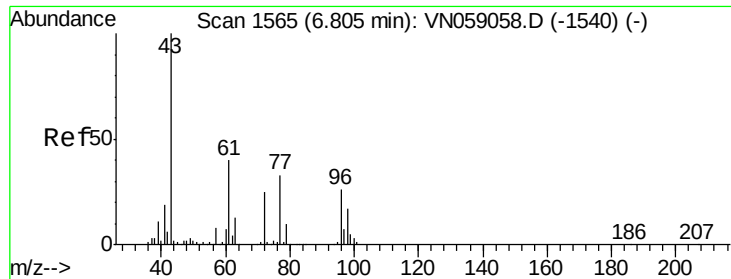
Tgt Ion: 77 Resp: 1279745

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 148.086 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

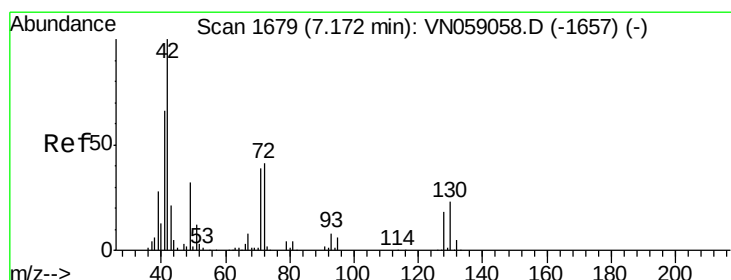
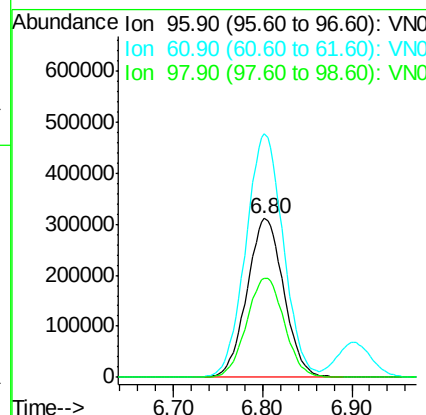
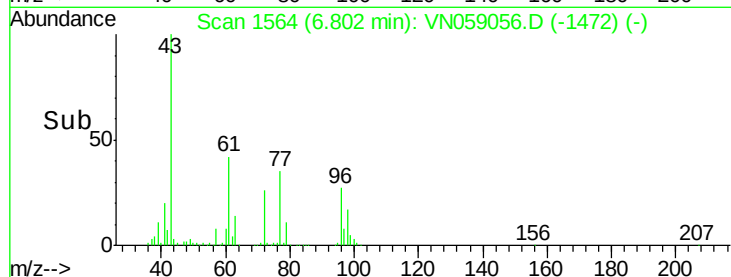
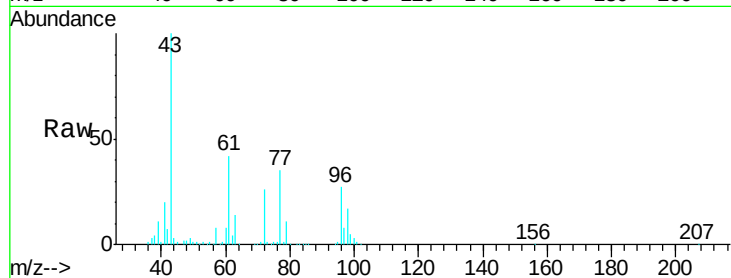
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	891741		
61	156.6		0.0	316.4
98	64.2		0.0	128.2

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#28

Bromochloromethane

Concen: 124.325 ug/l

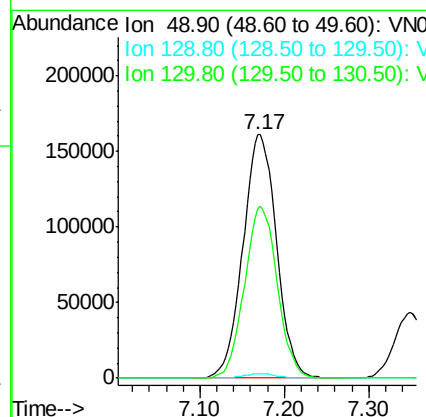
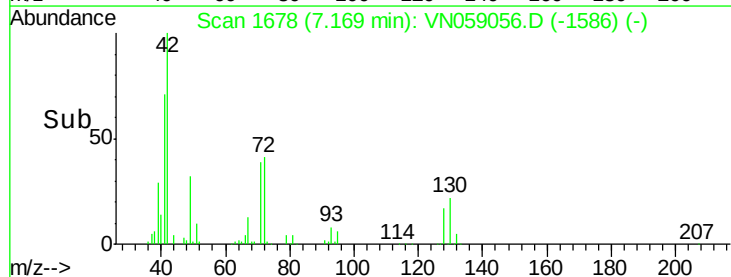
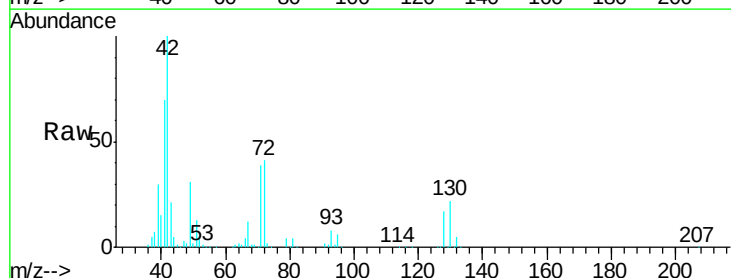
RT: 7.17 min Scan# 1678

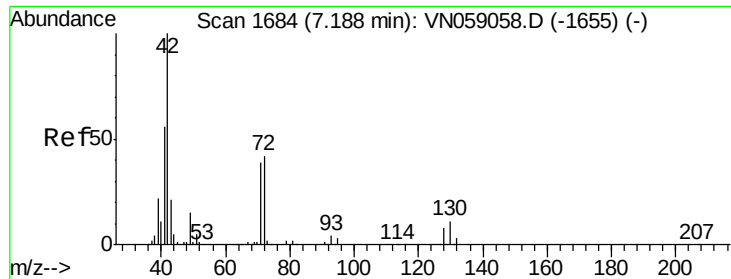
Delta R.T. -0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	446473		
129	1.6		0.0	3.4
130	68.7		55.0	82.6





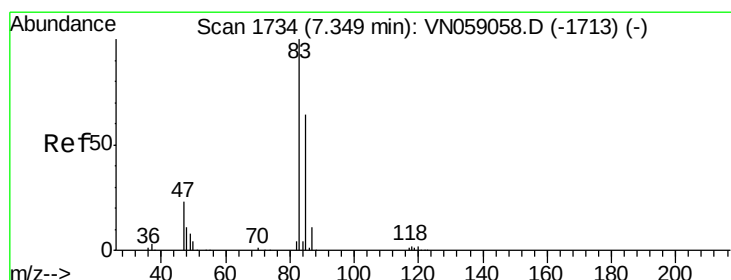
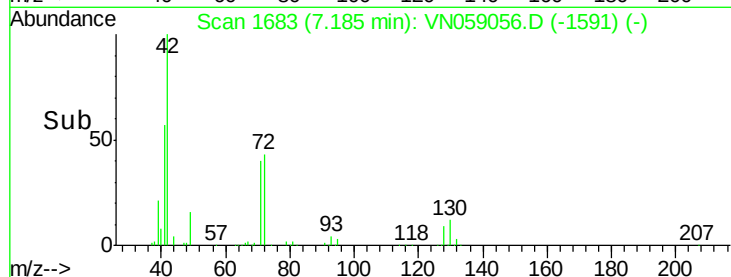
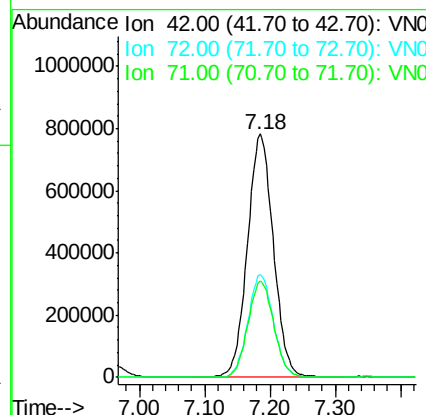
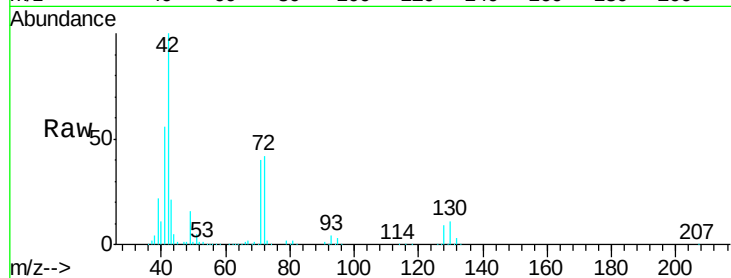
#29
Tetrahydrofuran
Concen: 776.285 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 2162216
Ion Ratio Lower Upper
42 100
72 41.5 32.7 49.1
71 39.3 31.2 46.8

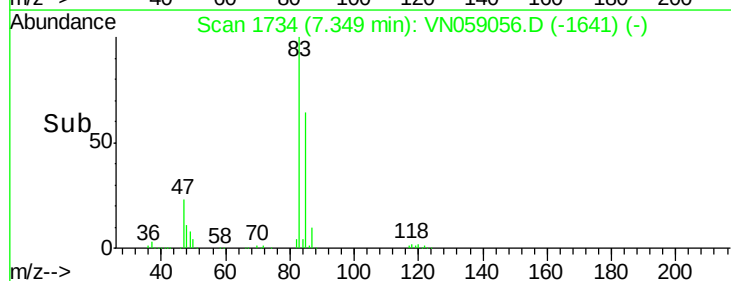
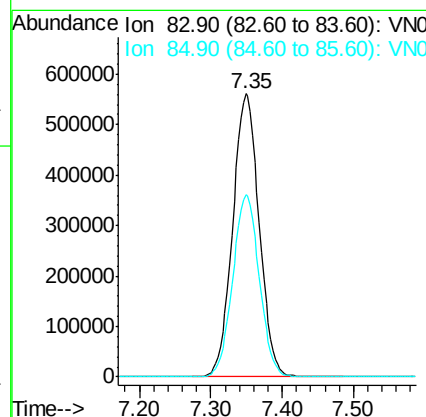
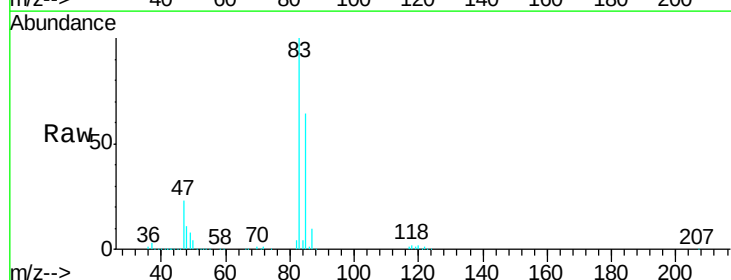
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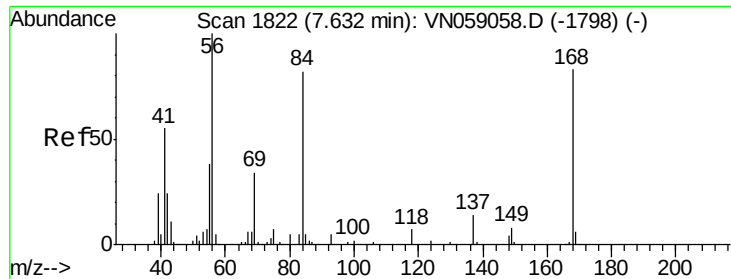
MMDadoda
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#30
Chloroform
Concen: 132.803 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion: 83 Resp: 1448628
Ion Ratio Lower Upper
83 100
85 64.3 50.9 76.3





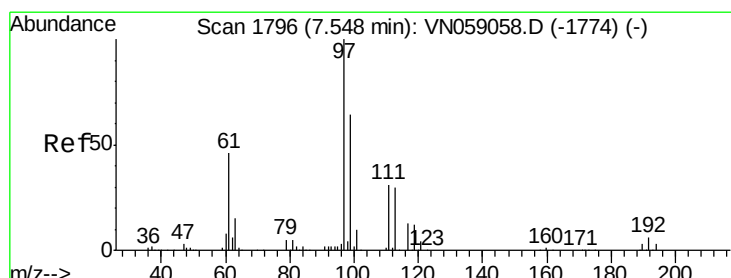
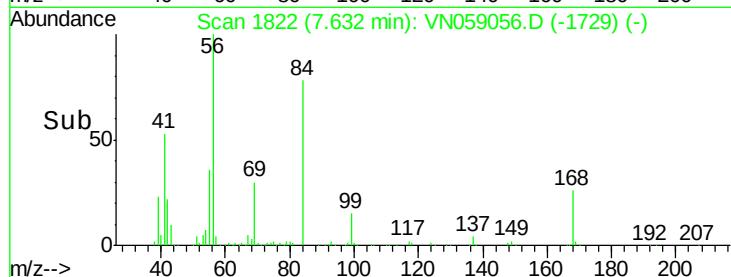
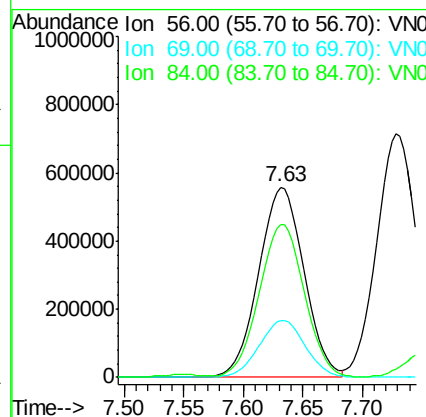
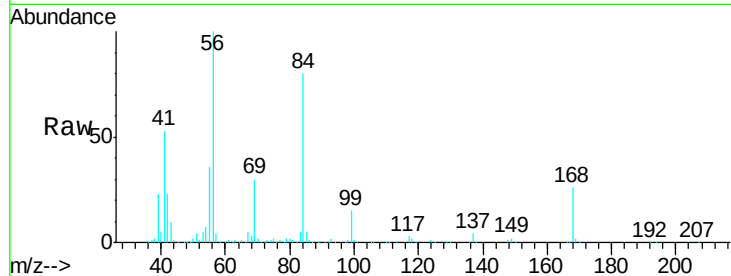
#31
Cyclohexane
Concen: 144.538 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 1471446
Ion Ratio Lower Upper
56 100
69 30.0 27.2 40.8
84 79.3 65.2 97.8

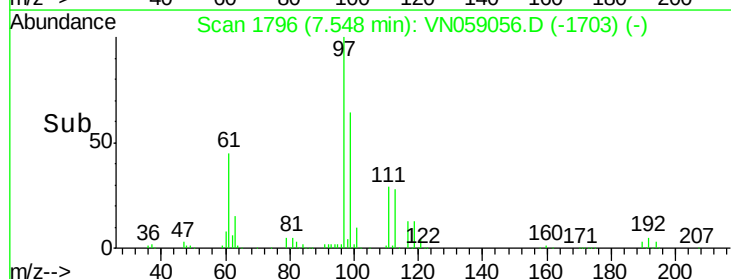
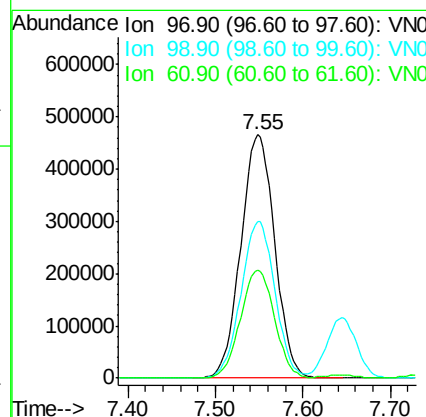
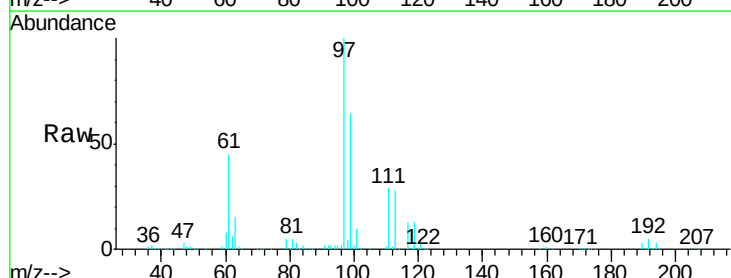
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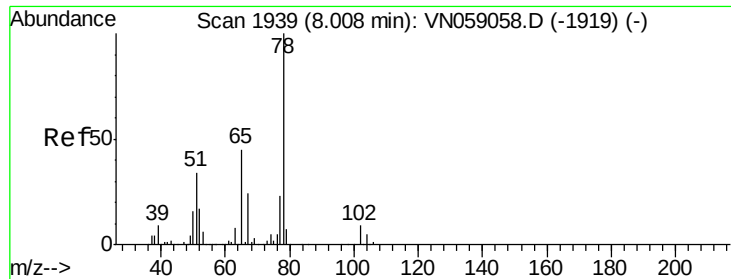
MMDadoda
11/5/2019 1:58:57 PM



#32
1,1,1-Trichloroethane
Concen: 136.388 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion: 97 Resp: 1251029
Ion Ratio Lower Upper
97 100
99 64.4 50.7 76.1
61 44.7 36.3 54.5





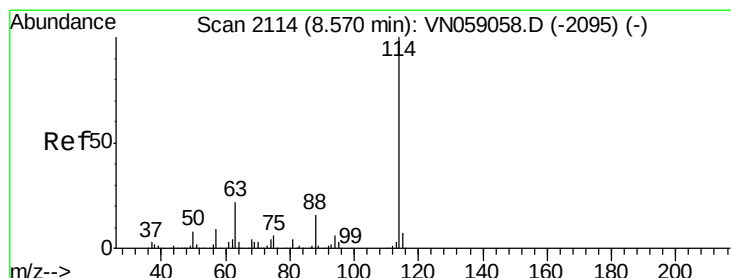
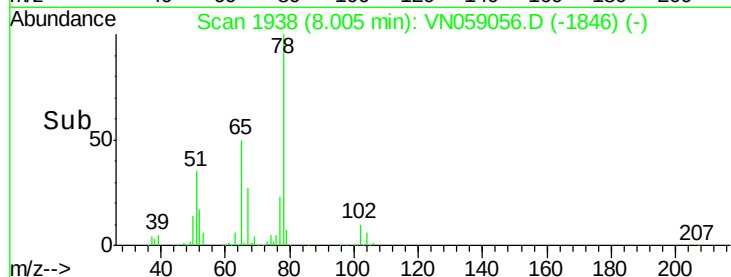
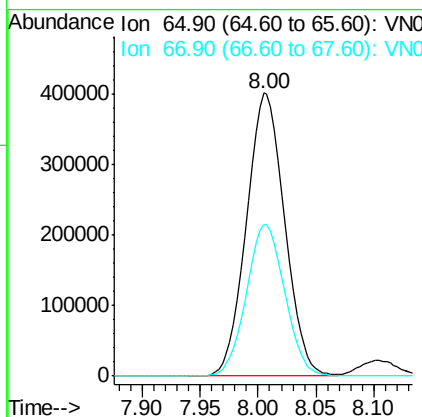
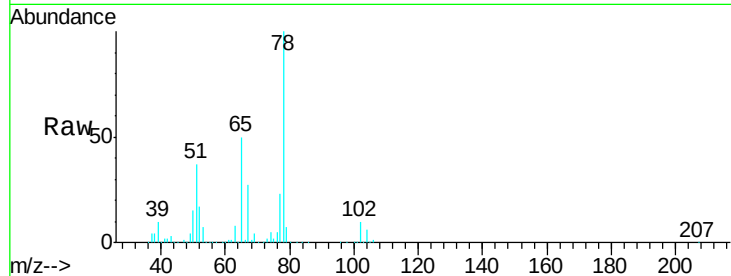
#33
 1,2-Dichloroethane-d4
 Concen: 130.772 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	922359		
67	53.8	0.0	107.6	

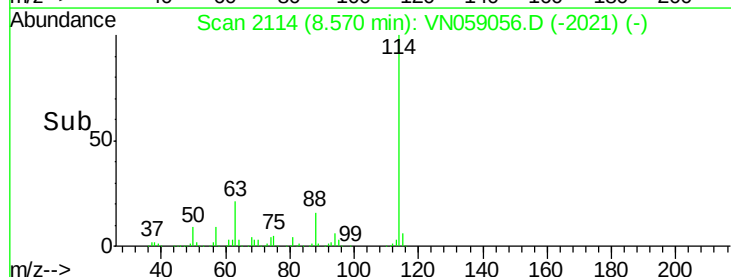
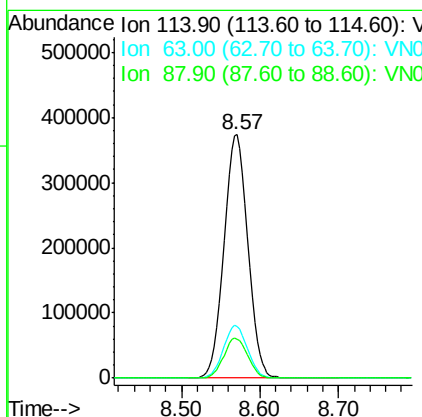
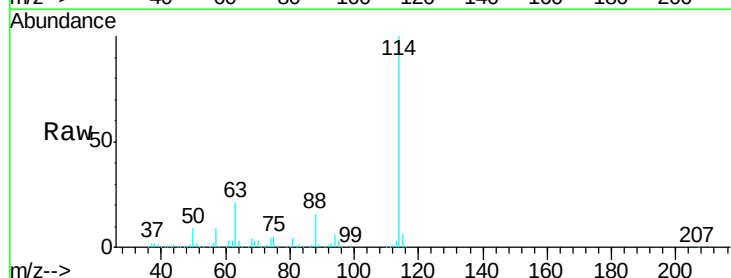
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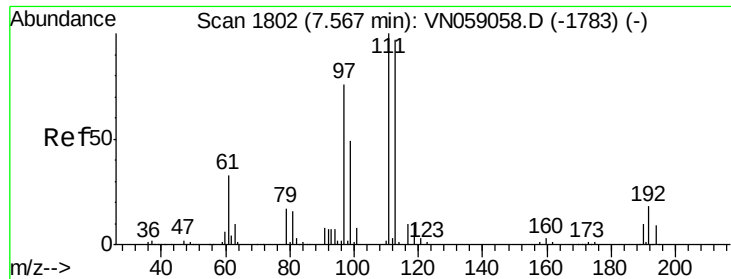
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 11/5/2019 1:58:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	778958		
63	21.5	0.0	43.2	
88	16.1	0.0	33.0	





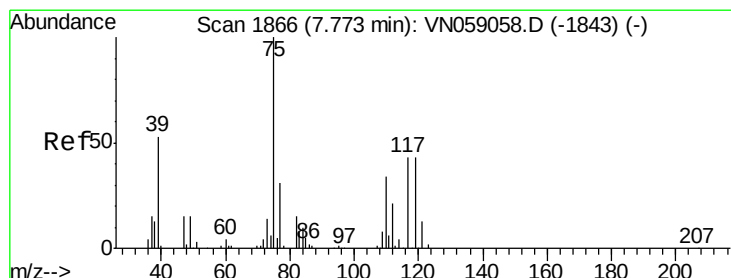
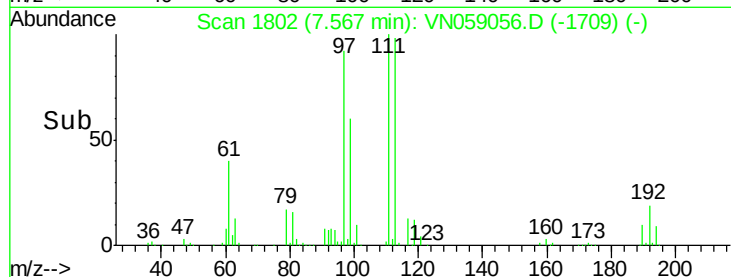
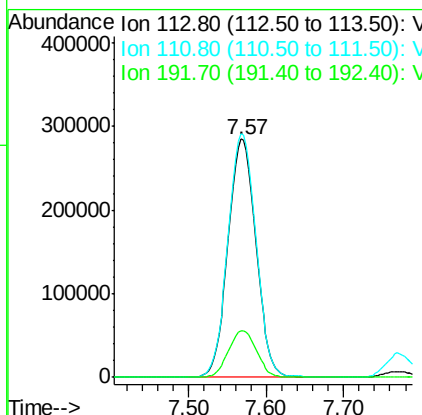
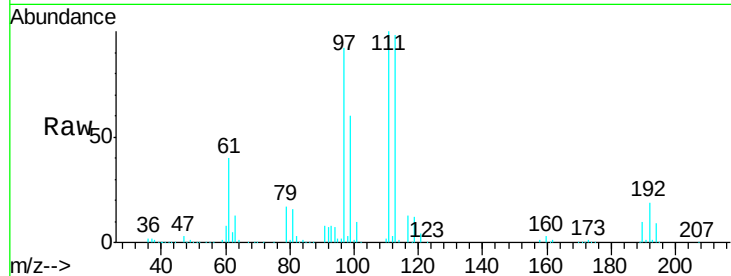
#35
 Dibromofluoromethane
 Concen: 139.548 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	712045		
111	102.8	82.9	124.3	
192	19.7	15.9	23.9	

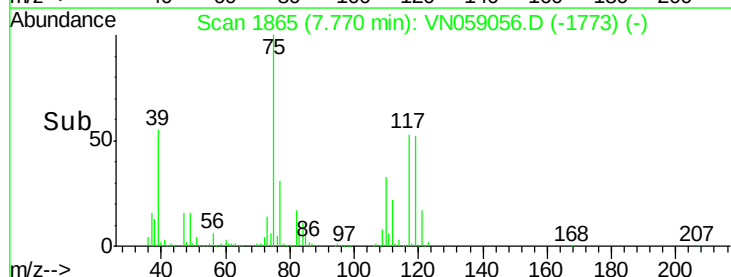
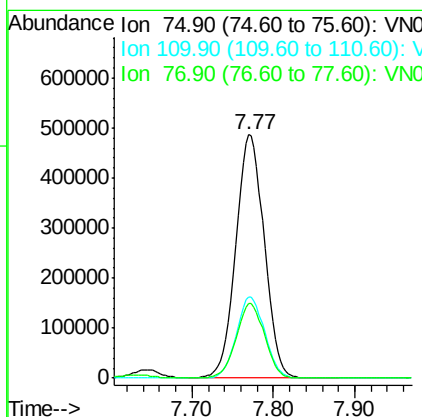
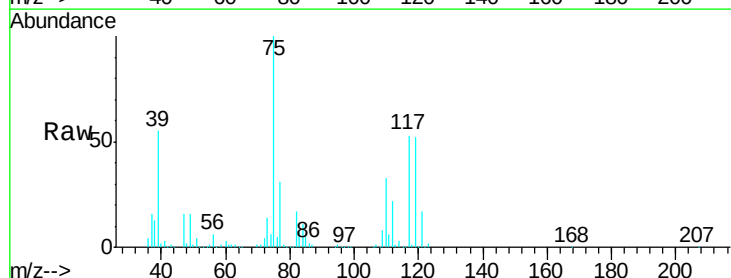
Manual Integrations
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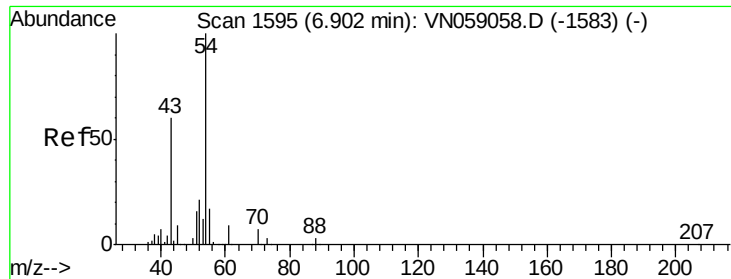
MMDadoda
 11/5/2019 1:58:57 PM



#36
 1,1-Dichloropropene
 Concen: 149.584 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1173286		
110	33.2	16.9	50.6	
77	30.8	25.0	37.4	





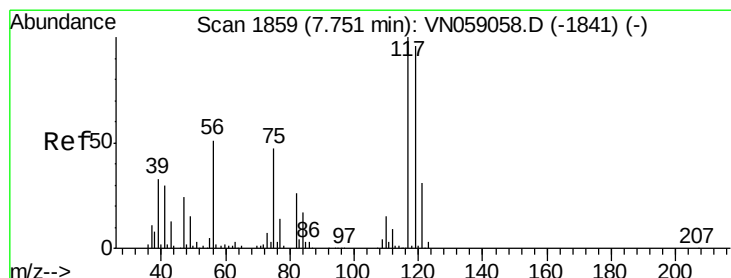
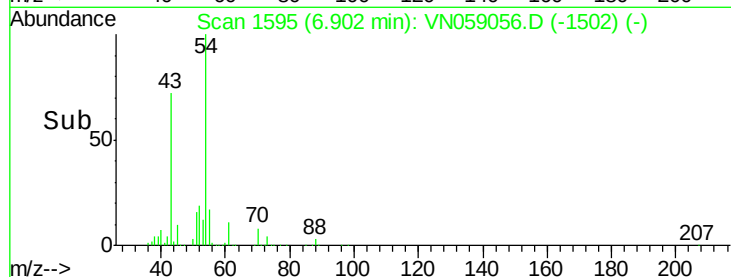
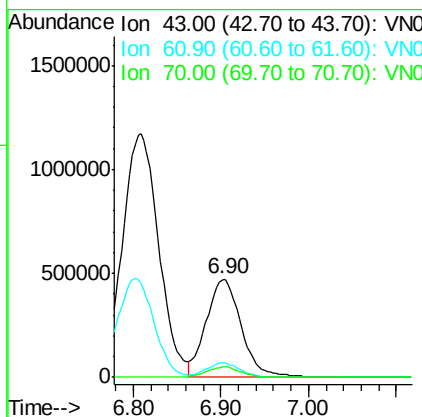
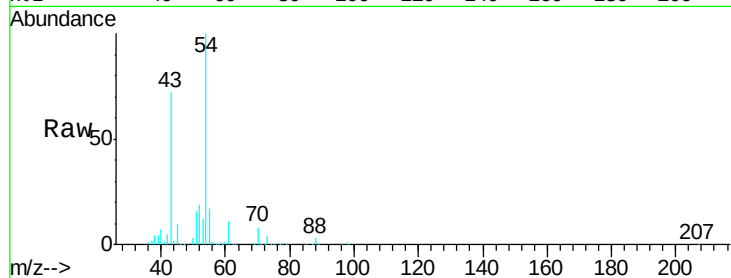
#37
Ethyl Acetate
 Concen: 152.738 ug/l
 RT: 6.90 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 43 Resp: 1307840
 Ion Ratio Lower Upper
 43 100
 61 14.3 11.2 16.8
 70 10.2 8.0 12.0

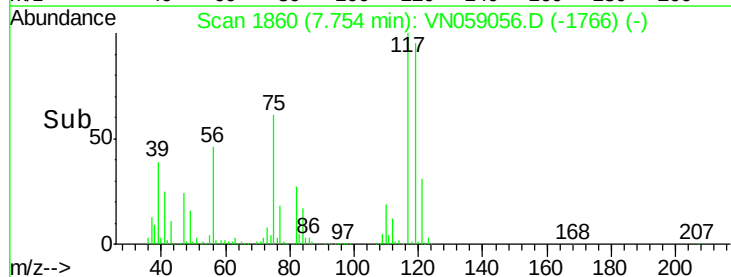
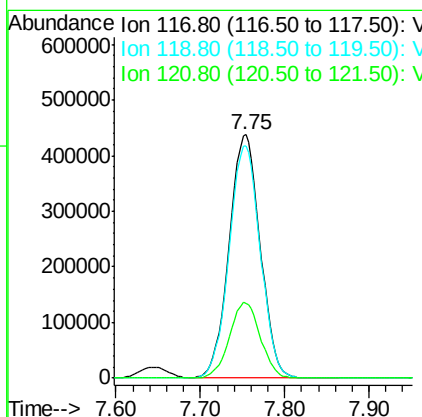
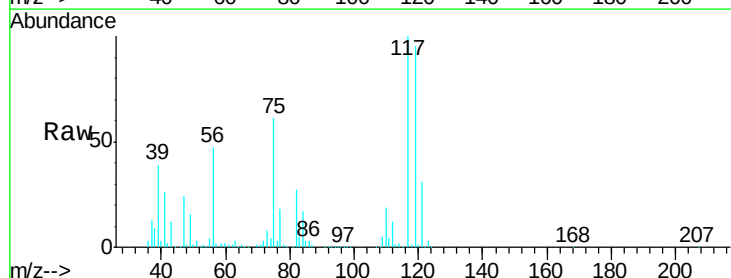
Manual Integrations
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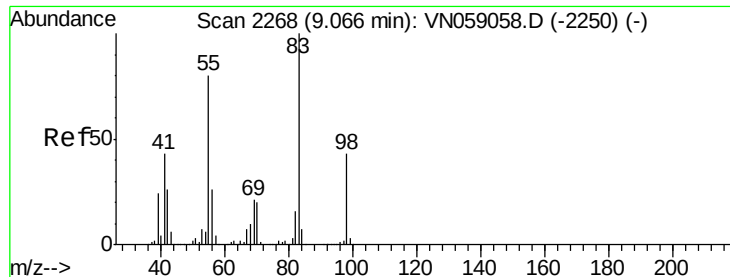
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#38
Carbon Tetrachloride
 Concen: 138.611 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion: 117 Resp: 1118358
 Ion Ratio Lower Upper
 117 100
 119 95.4 76.6 114.8
 121 30.8 24.6 37.0





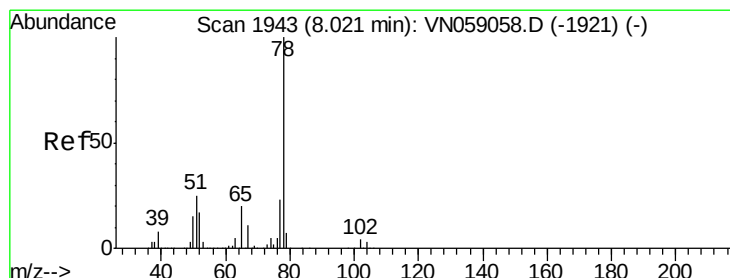
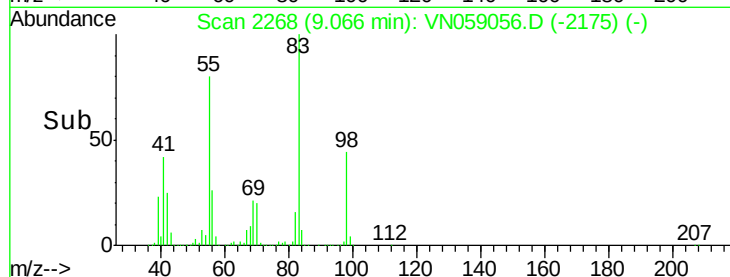
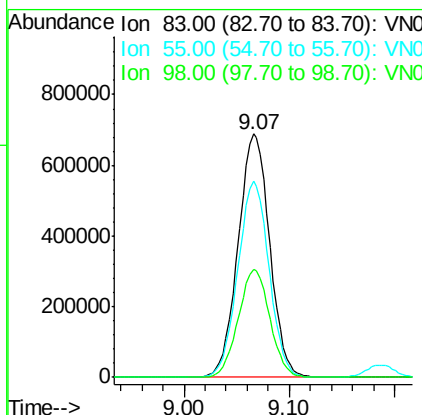
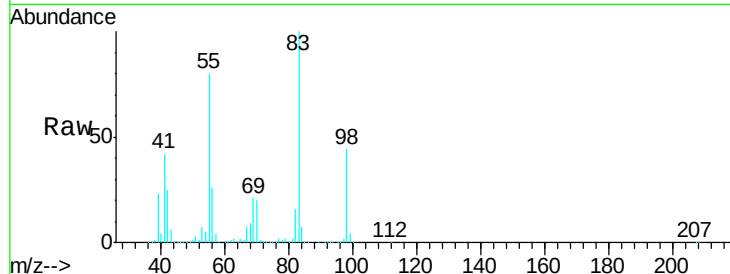
#39
Methylcyclohexane
Concen: 160.929 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 1429591
Ion Ratio Lower Upper
83 100
55 80.5 64.1 96.1
98 44.2 34.3 51.5

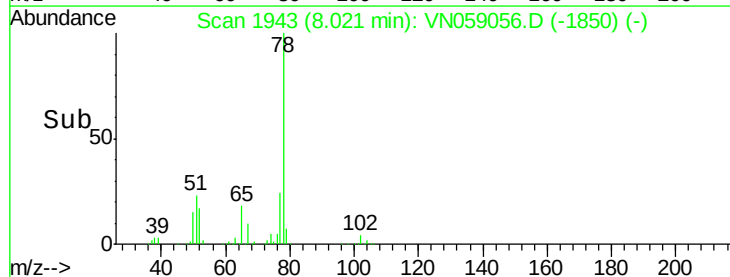
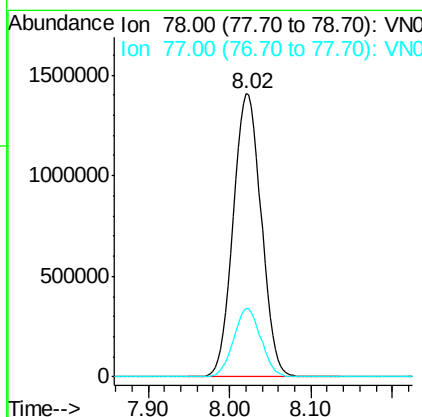
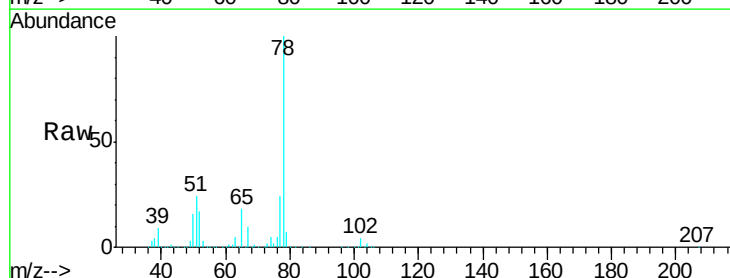
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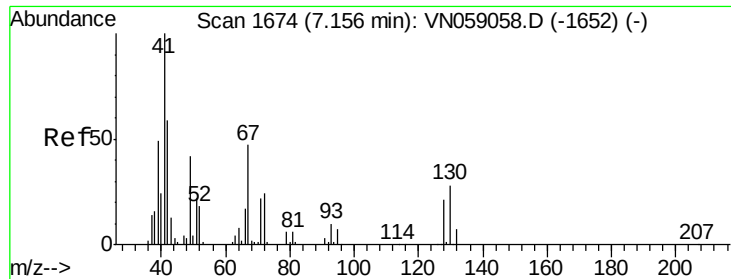
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#40
Benzene
Concen: 145.963 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion: 78 Resp: 3376033
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8





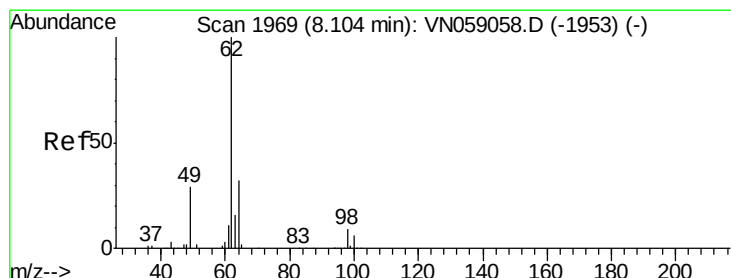
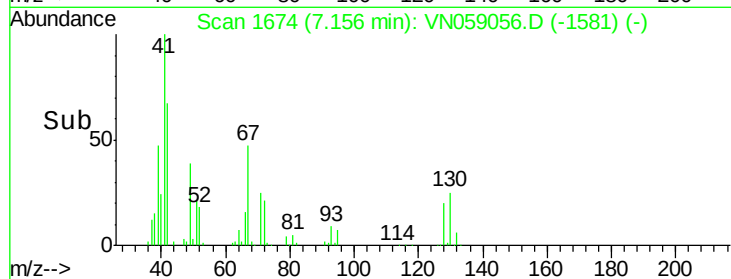
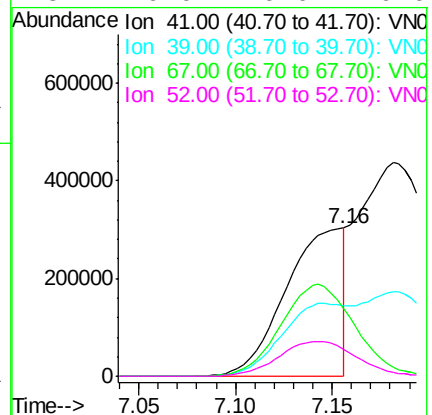
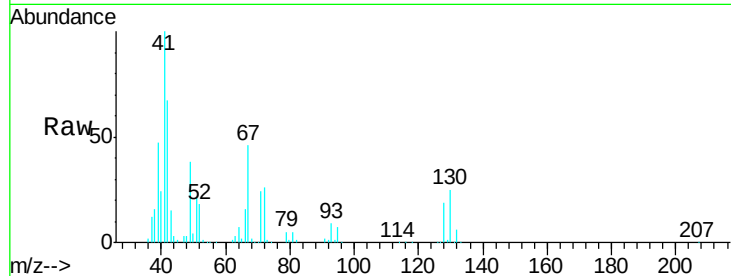
#41
Methacrylonitrile
Concen: 162.660 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

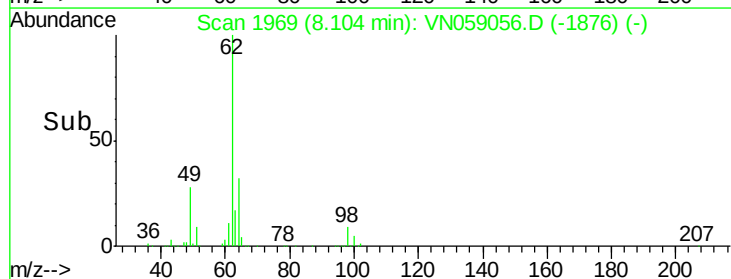
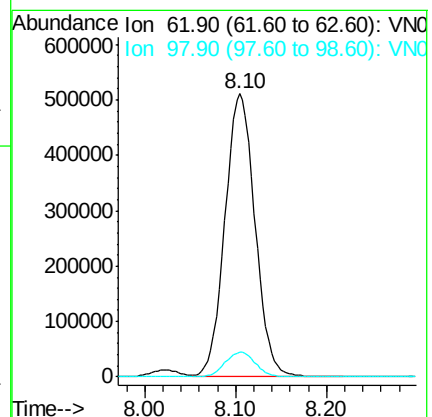
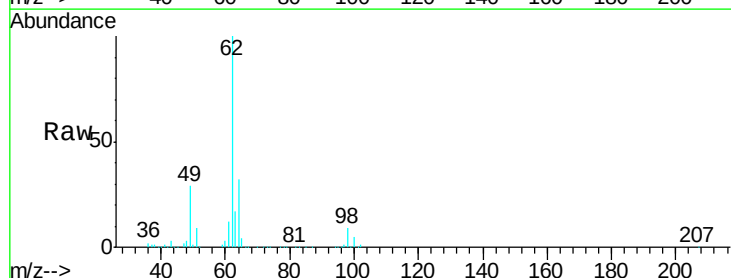
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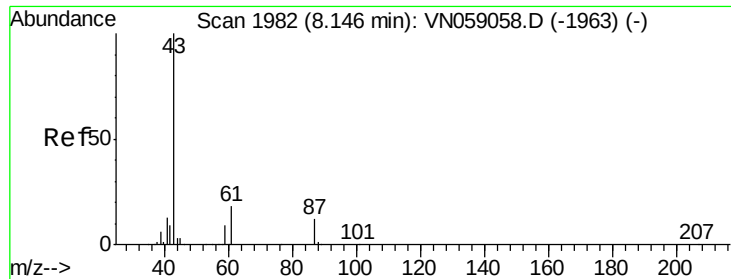
MMDadoda
11/5/2019 1:58:57 PM



#42
1,2-Dichloroethane
Concen: 133.452 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.0





#43

Isopropyl Acetate

Concen: 153.942 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 2118186

Ion Ratio Lower Upper

43 100

61 26.3 20.5 30.7

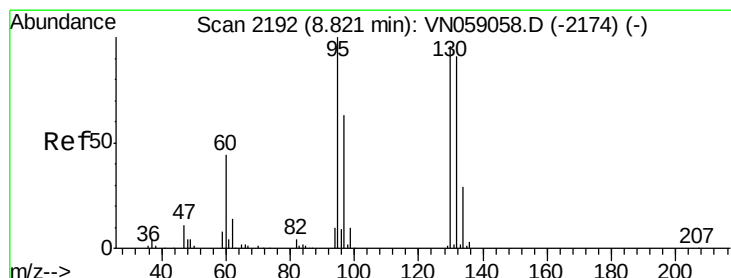
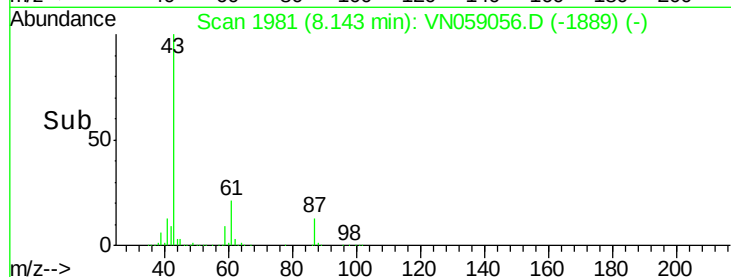
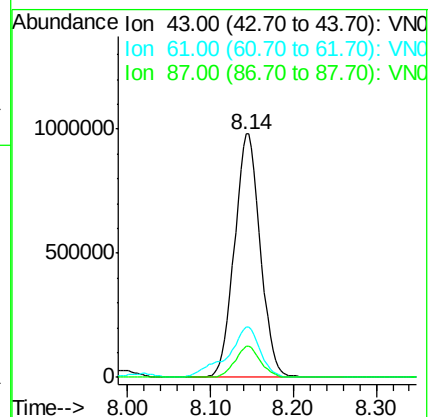
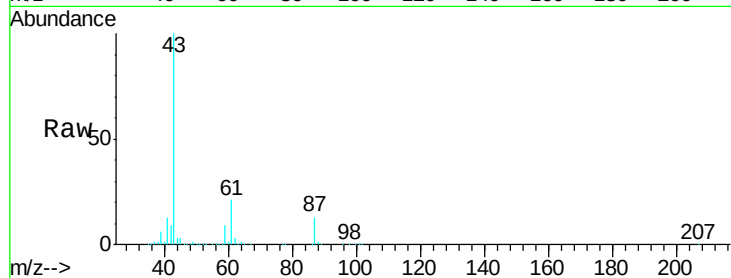
87 12.5 9.8 14.8

Manual Integrations

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11/5/2019 1:58:57 PM



#44

Trichloroethene

Concen: 147.513 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059056.D

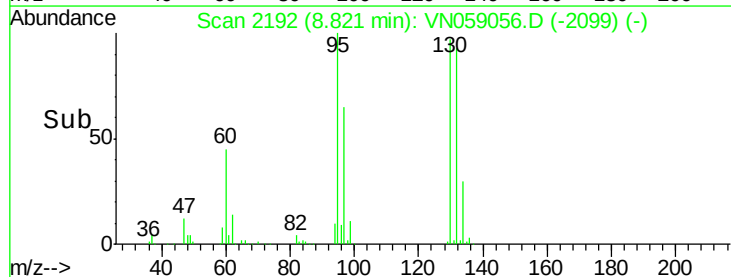
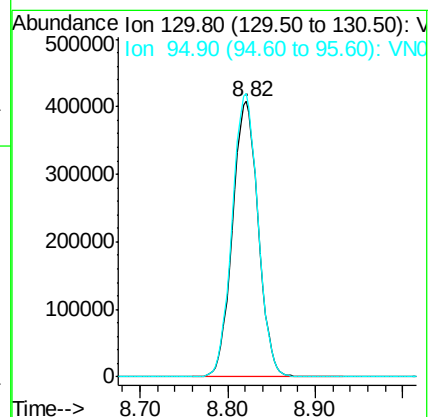
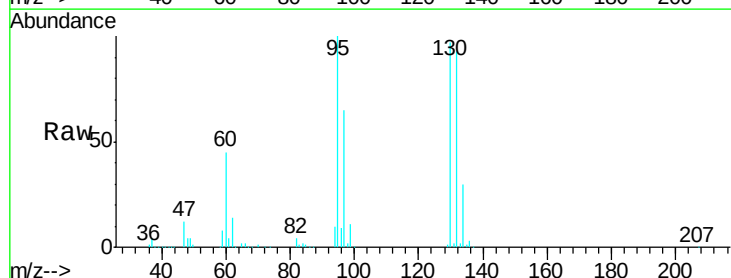
Acq: 1 Nov 2019 12:15

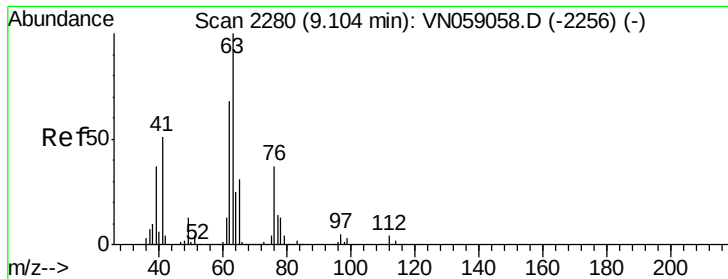
Tgt Ion: 130 Resp: 833039

Ion Ratio Lower Upper

130 100

95 102.8 0.0 207.6





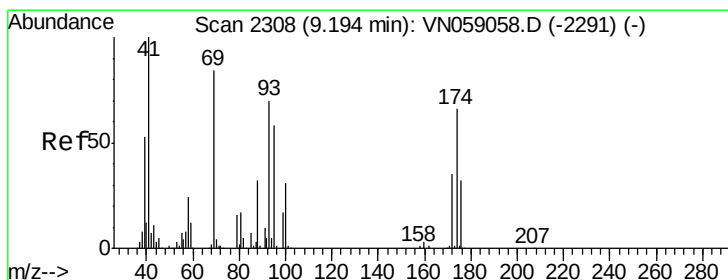
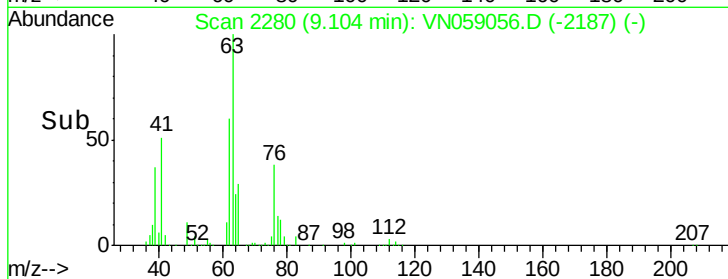
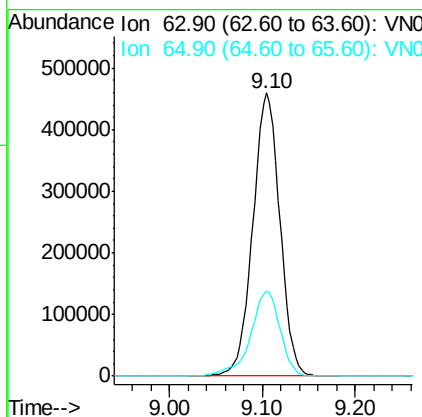
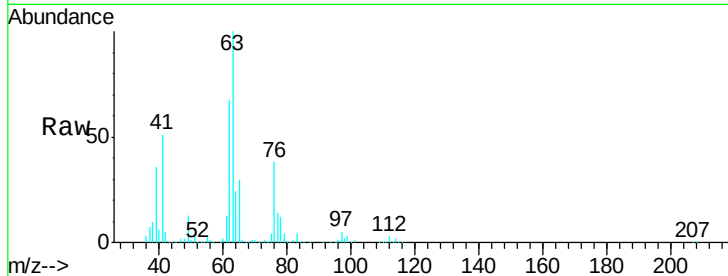
#45
 1,2-Dichloropropane
 Concen: 147.046 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 932033
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

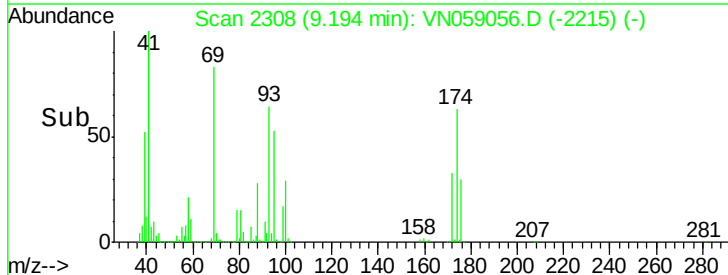
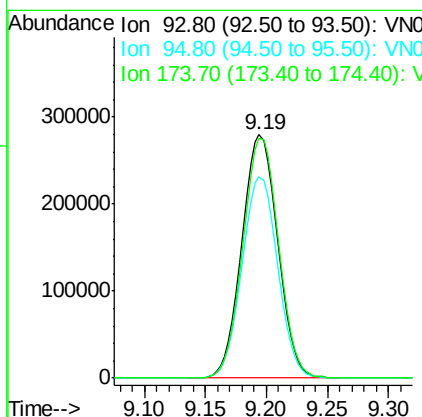
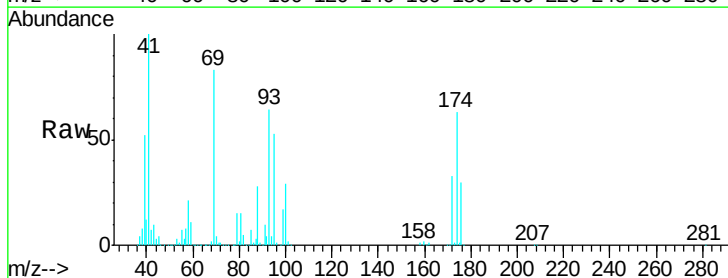
Manual Integrations
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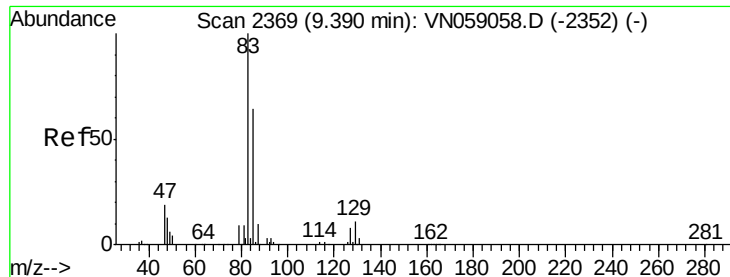
MMDadoda
 11/5/2019 1:58:57 PM



#46
 Dibromomethane
 Concen: 142.168 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion: 93 Resp: 567417
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 98.6 78.3 117.5





#47

Bromodichloromethane

Concen: 143.476 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 83 Resp: 1177413

Ion Ratio Lower Upper

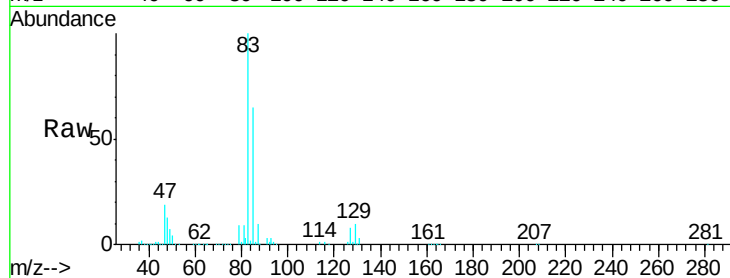
83 100

85 64.7 51.2 76.8

127 8.3 6.5 9.7

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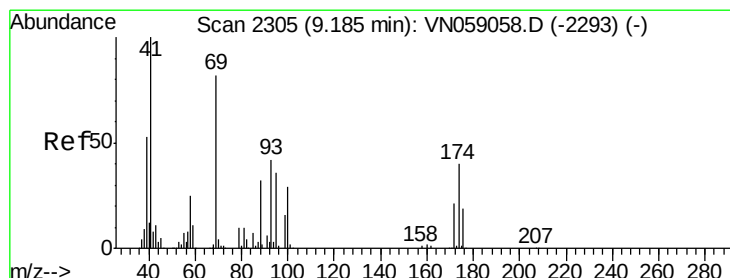
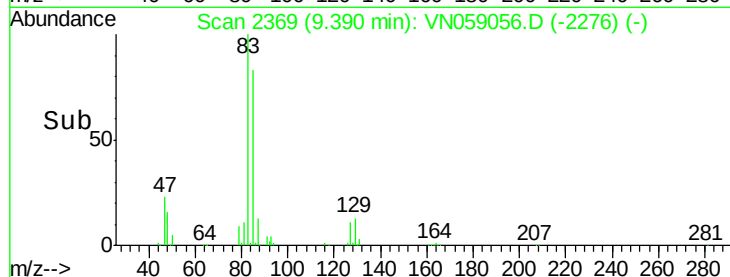
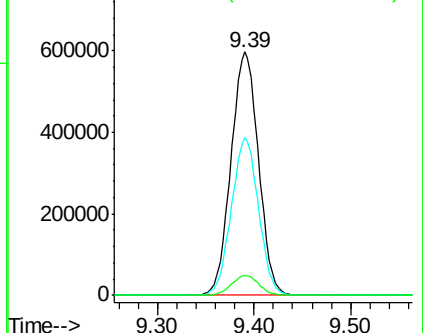
MMDadoda
11/5/2019 1:58:57 PM



Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059058.D (-2352) (-)



#48

Methyl methacrylate

Concen: 159.750 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

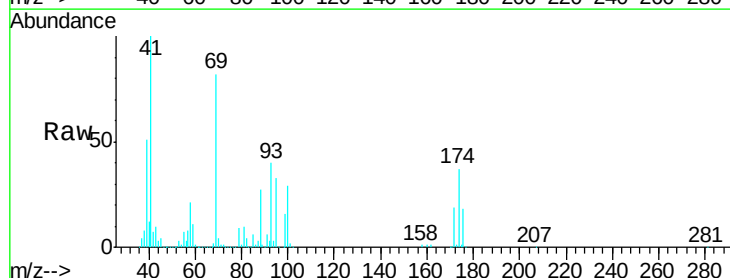
Tgt Ion: 41 Resp: 990941

Ion Ratio Lower Upper

41 100

69 84.4 67.1 100.7

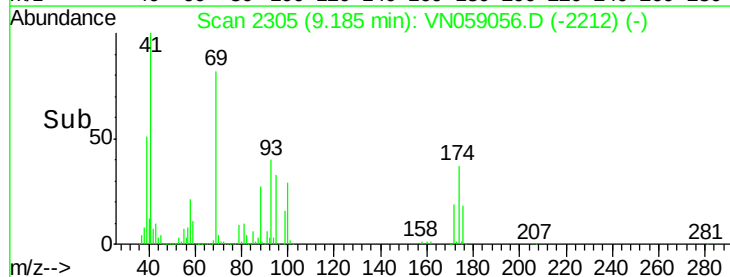
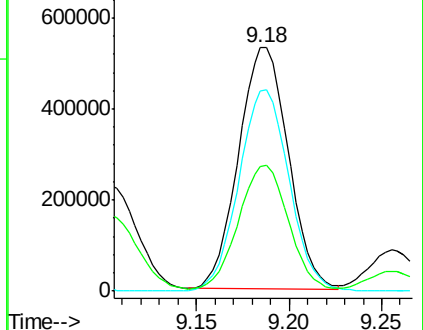
39 51.1 43.3 64.9

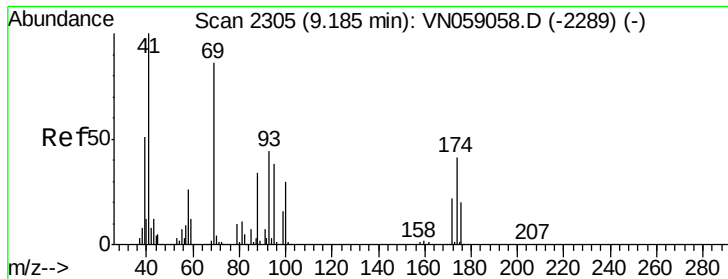


Abundance Ion 41.00 (40.70 to 41.70): VN059058.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN059058.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN059058.D (-2293) (-)





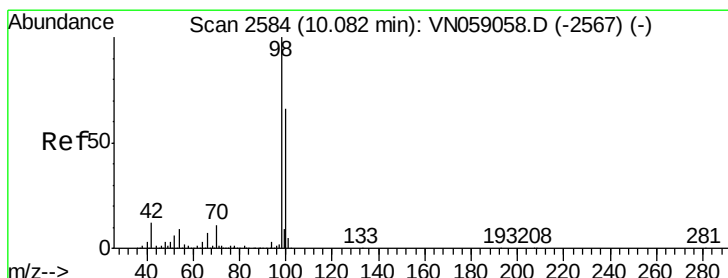
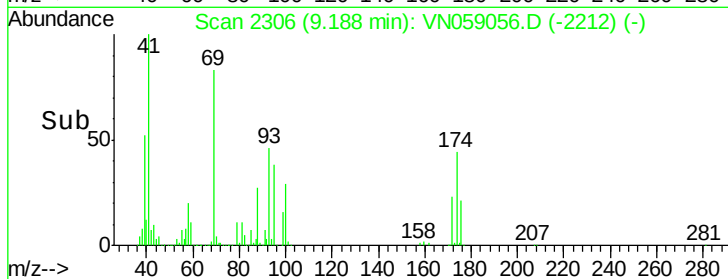
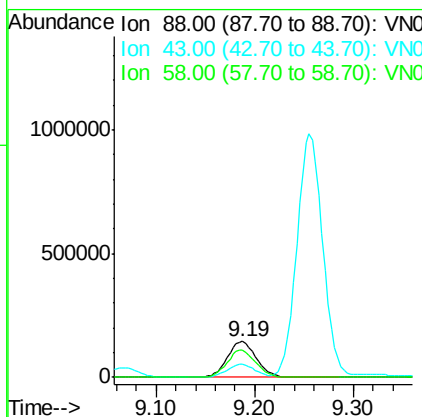
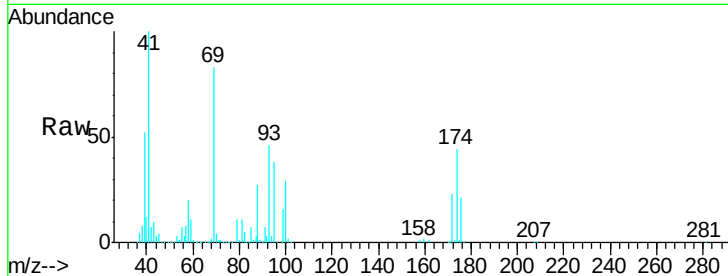
#49
1,4-Dioxane
Concen: 2855.090 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.2	39.2
58	75.1	59.1	88.7

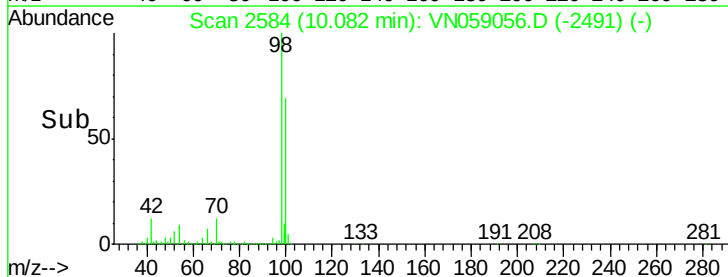
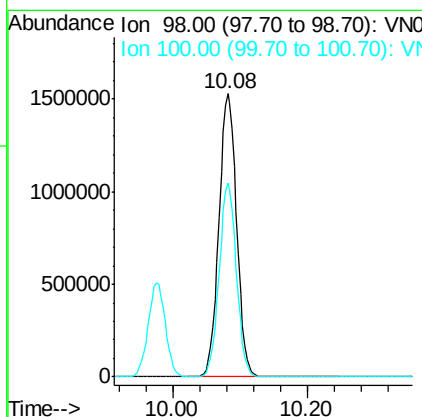
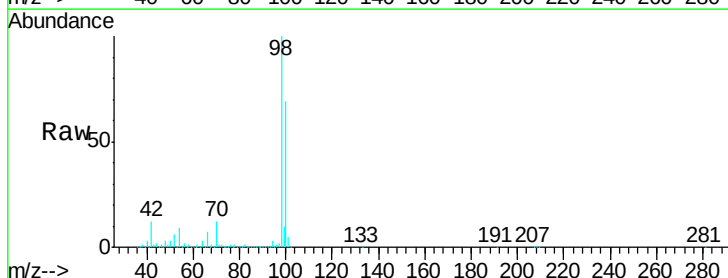
Manual Integrations
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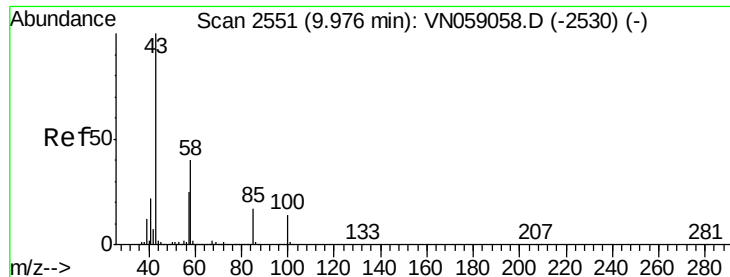
MMDadoda
11/5/2019 1:58:57 PM



#50
Toluene-d8
Concen: 141.044 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 654.459 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 5234677

Ion Ratio Lower Upper

43 100

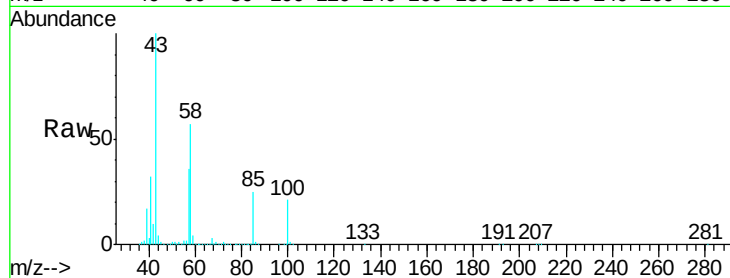
58 48.8 31.8 47.6#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN059058.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN059058.D (-2530) (-)

2500000

2000000

1500000

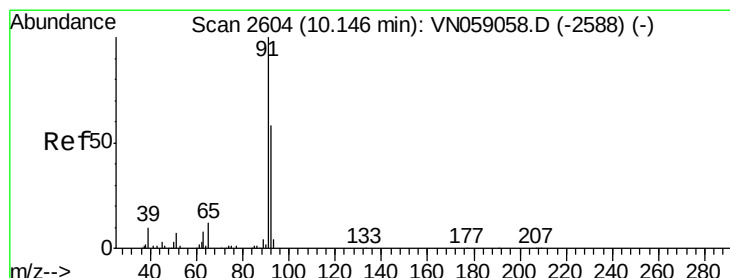
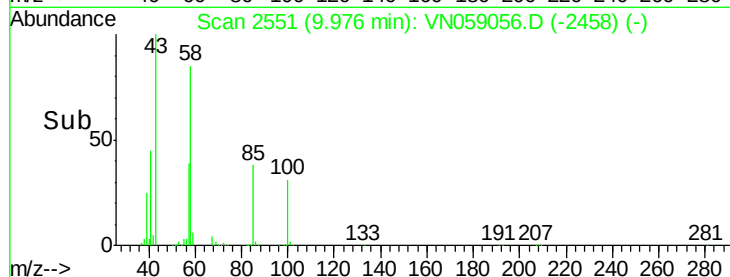
1000000

500000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 152.685 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059056.D

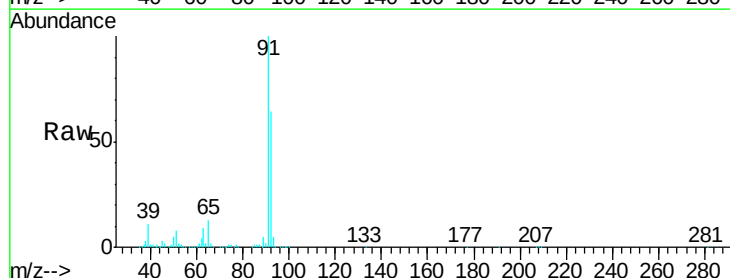
Acq: 1 Nov 2019 12:15

Tgt Ion: 92 Resp: 2090018

Ion Ratio Lower Upper

92 100

91 164.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN059058.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059058.D (-2588) (-)

2000000

1500000

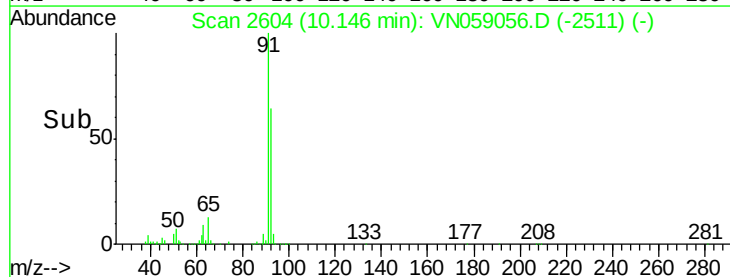
1000000

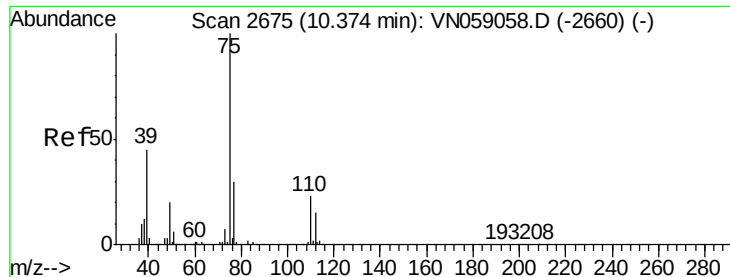
500000

0

10.10 10.15 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 154.893 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 1411097

Ion Ratio Lower Upper

75 100

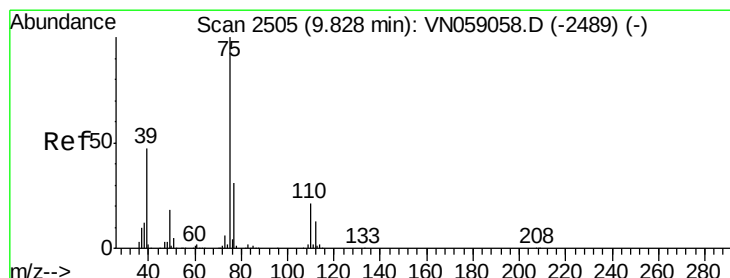
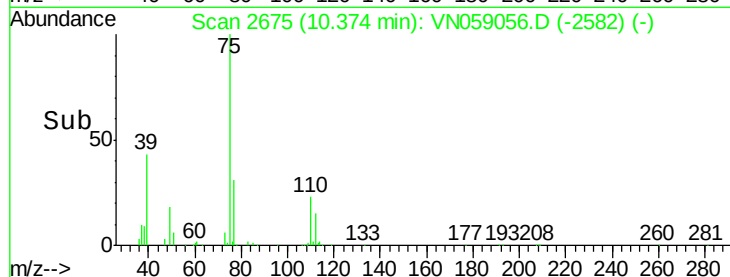
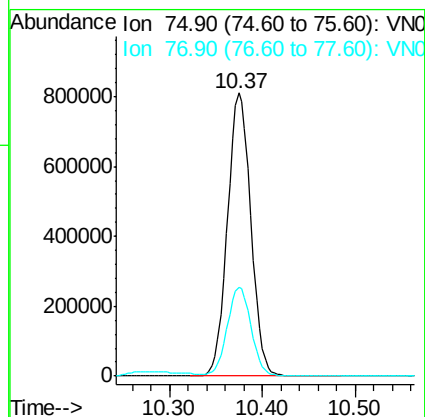
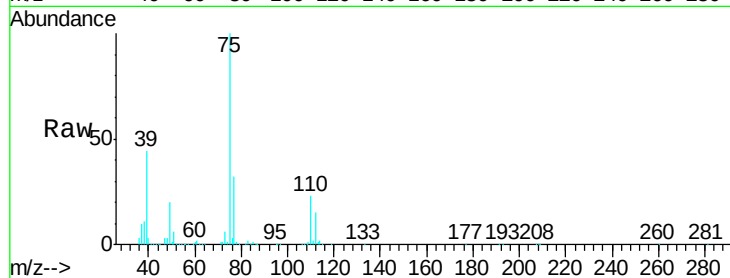
77 31.5 25.6 38.4

Manual Integrations

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11/5/2019 1:58:57 PM



#54

cis-1,3-Dichloropropene

Concen: 154.843 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

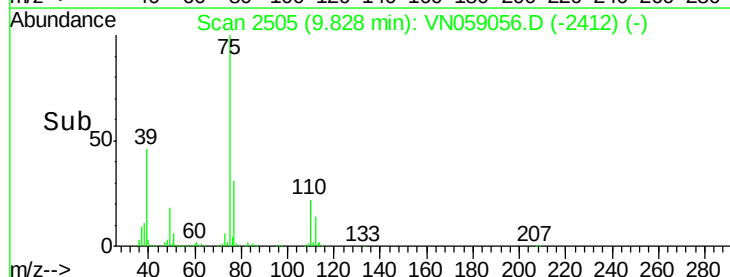
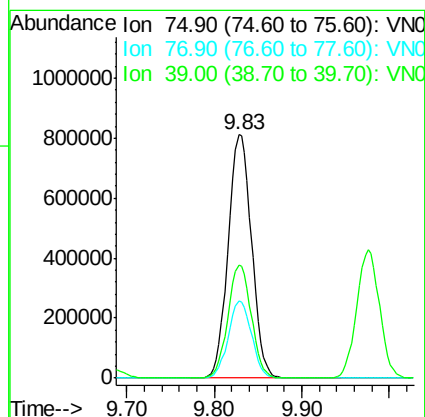
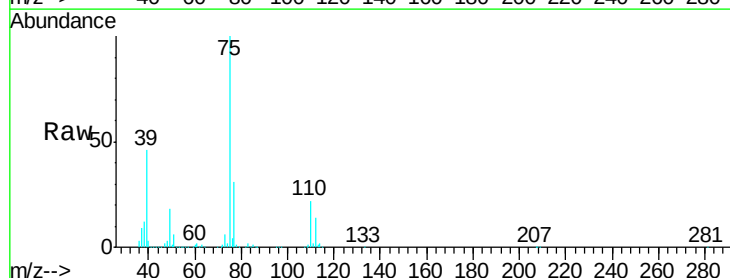
Tgt Ion: 75 Resp: 1510958

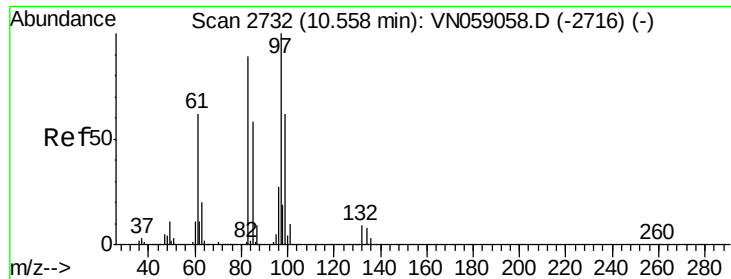
Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0

39 46.2 37.4 56.2





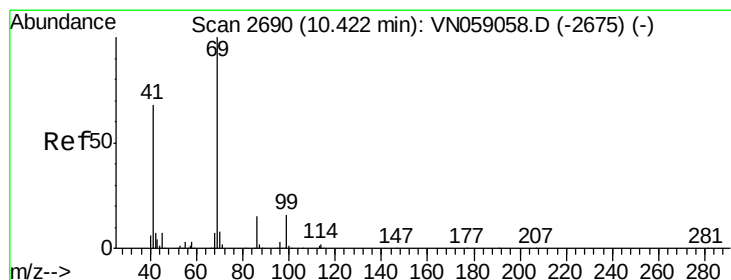
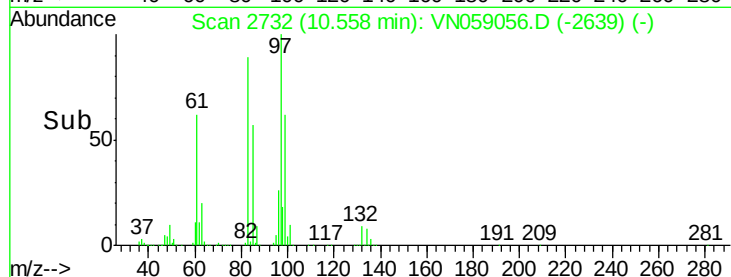
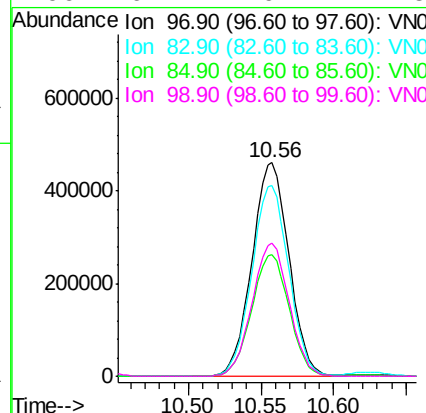
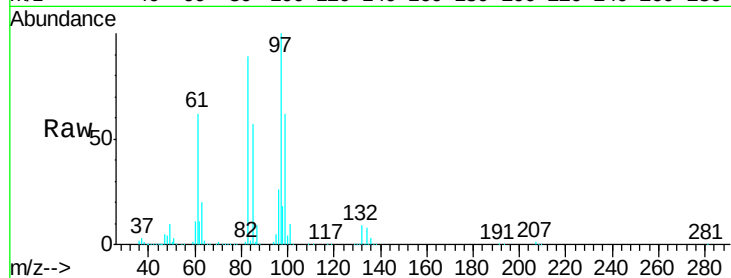
#55
 1,1,2-Trichloroethane
 Concen: 145.384 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.4	107.2
85	57.0	46.6	70.0
99	62.4	49.7	74.5

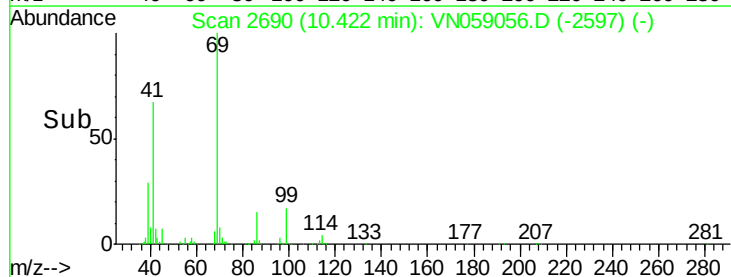
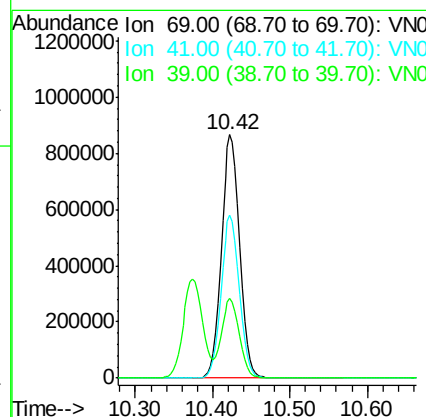
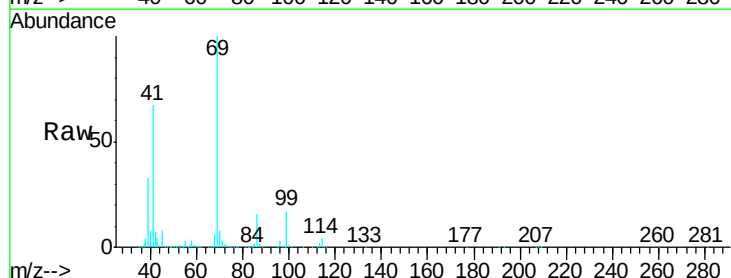
Manual Integrations
 APPROVED

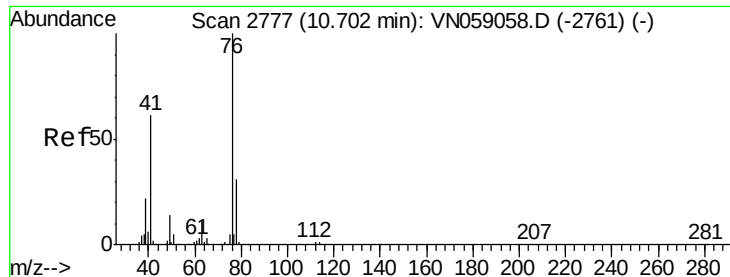
MMDadoda
 11/5/2019 1:58:57 PM



#56
 Ethyl methacrylate
 Concen: 172.191 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.8	80.8
39	32.3	26.2	39.2





#57

1,3-Dichloropropane

Concen: 147.037 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 1451521

Ion Ratio Lower Upper

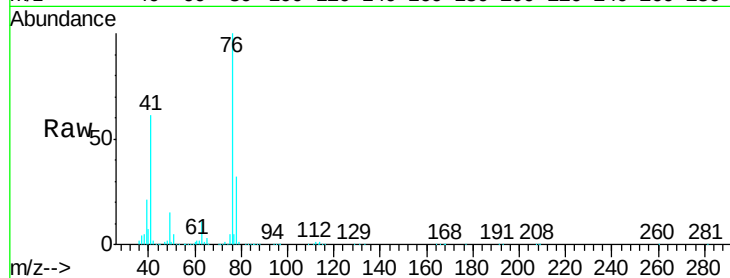
76 100

78 32.3 25.8 38.6

Manual Integrations
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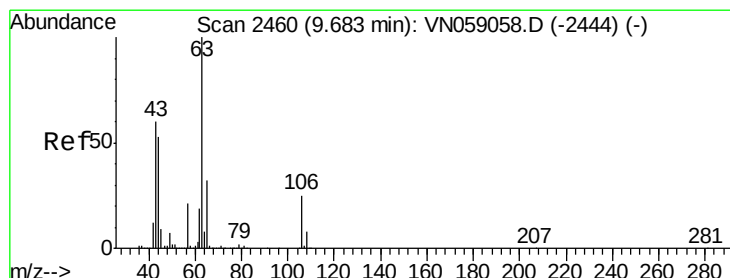
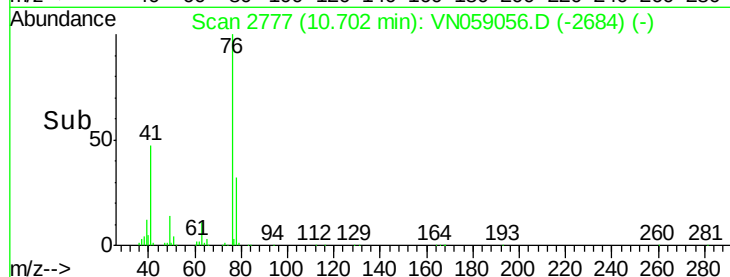
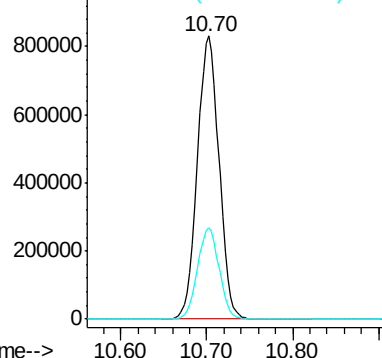
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 795.176 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059056.D

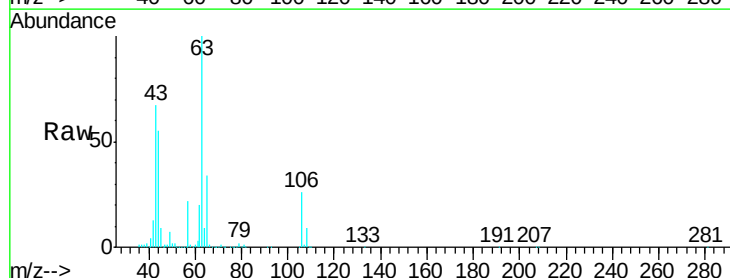
Acq: 1 Nov 2019 12:15

Tgt Ion: 63 Resp: 2787922

Ion Ratio Lower Upper

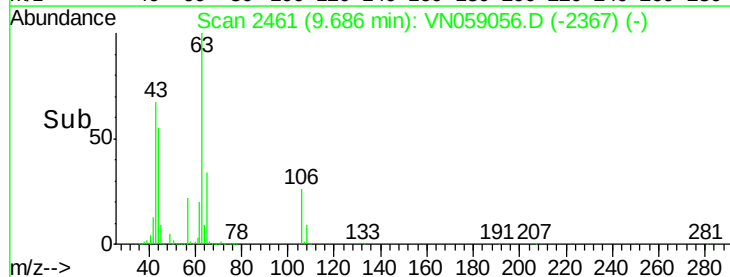
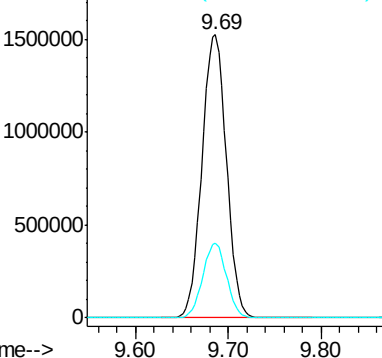
63 100

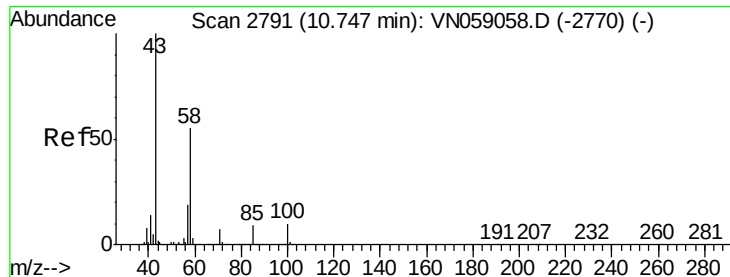
106 25.7 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





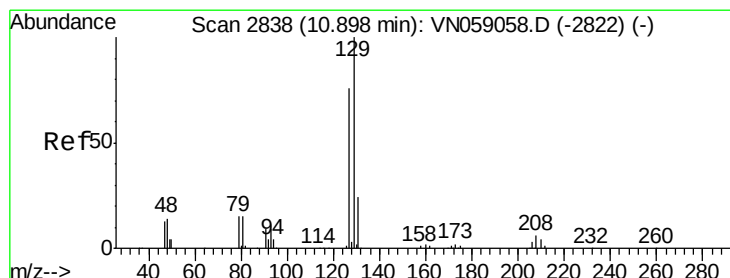
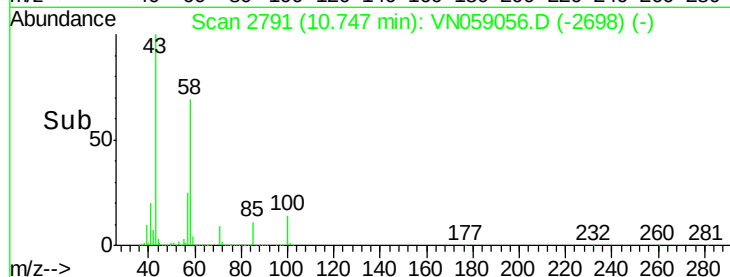
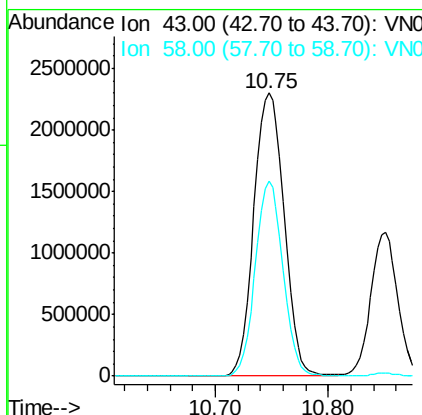
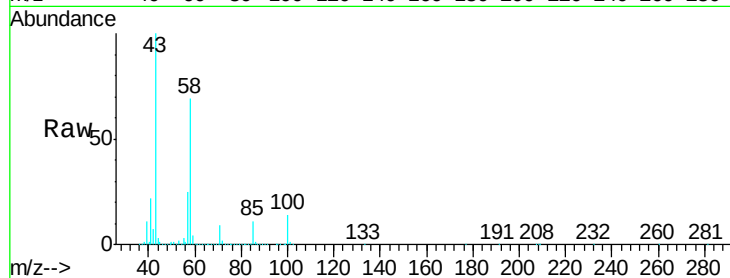
#59
2-Hexanone
Concen: 694.879 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 4287267
Ion Ratio Lower Upper
43 100
58 62.9 27.4 82.2

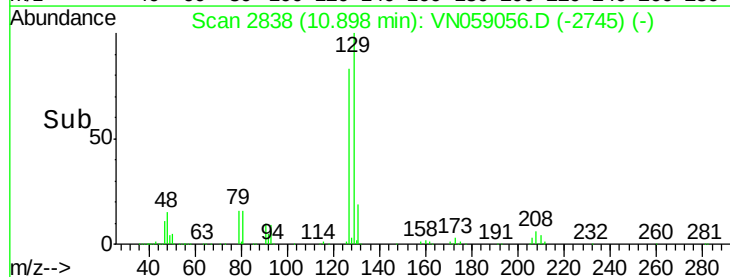
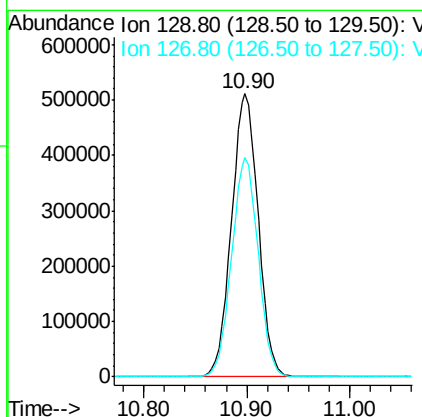
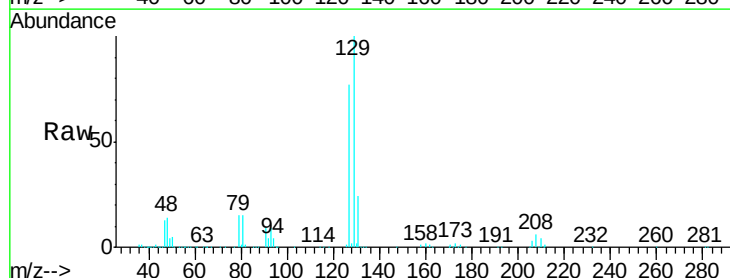
Manual Integrations
APPROVED

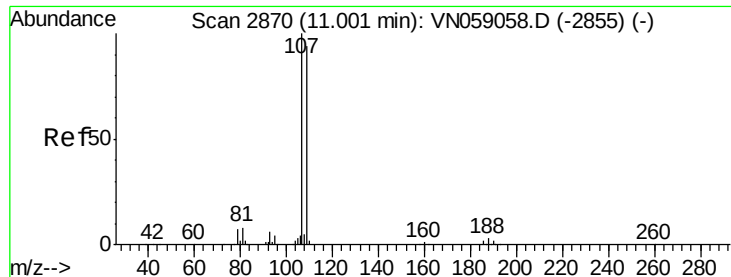
MMDadoda
11/5/2019 1:58:57 PM



#60
Dibromochloromethane
Concen: 152.040 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion: 129 Resp: 923009
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 151.242 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 107 Resp: 872264

Ion Ratio Lower Upper

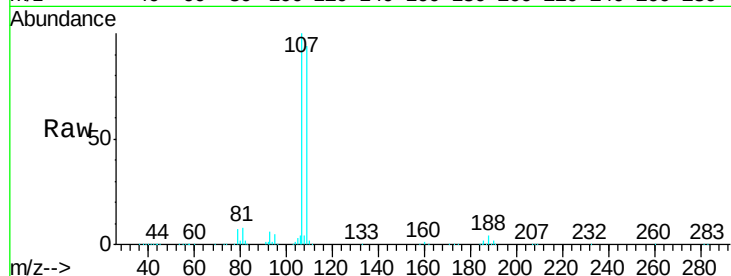
107 100

109 94.0 75.5 113.3

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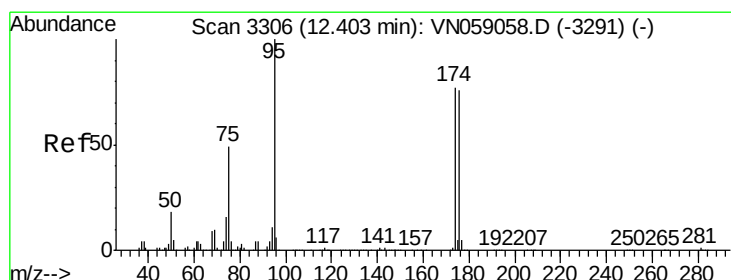
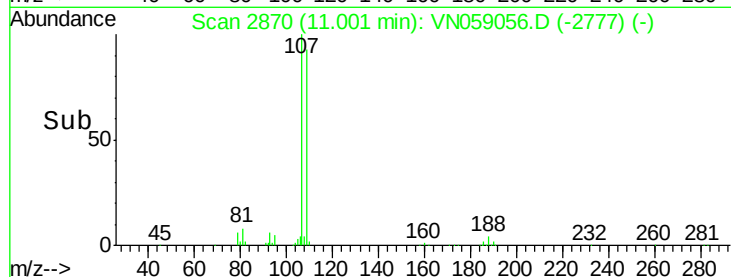
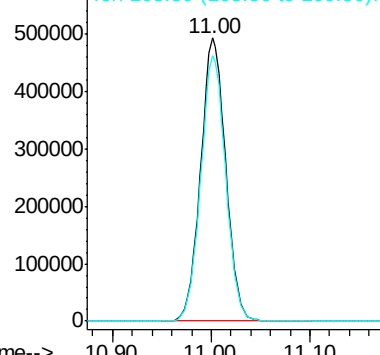
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 148.427 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

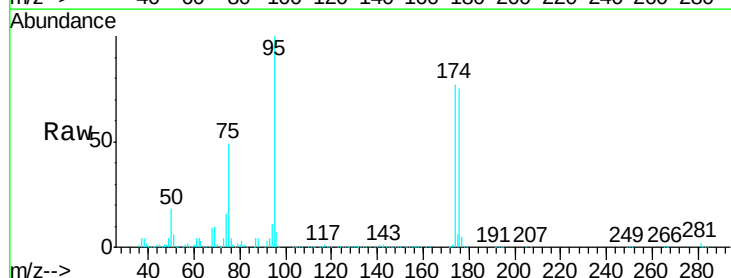
Tgt Ion: 95 Resp: 1082323

Ion Ratio Lower Upper

95 100

174 76.8 0.0 155.8

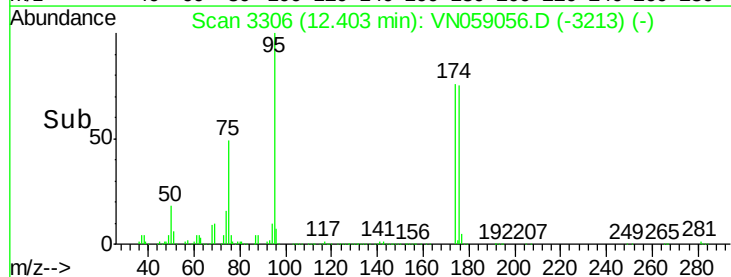
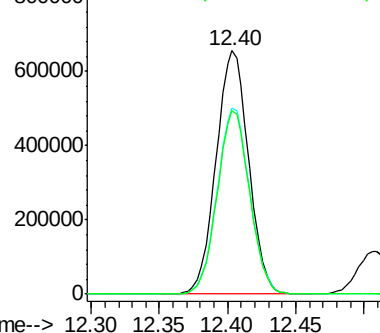
176 75.1 0.0 151.6

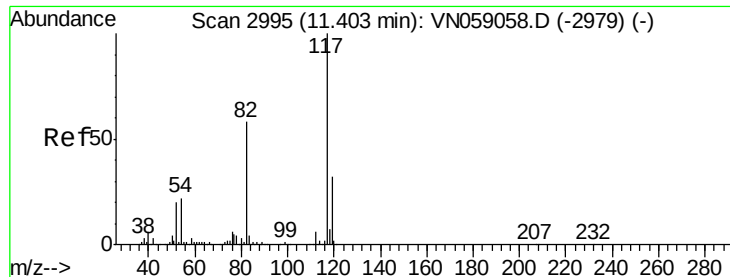


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

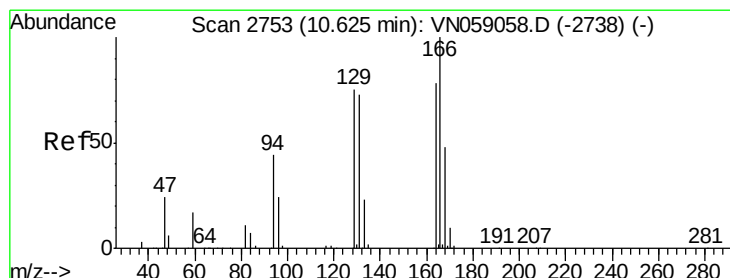
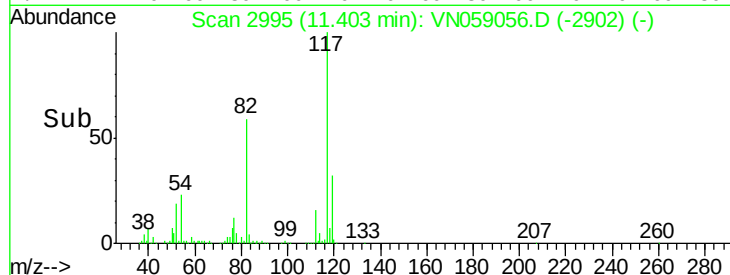
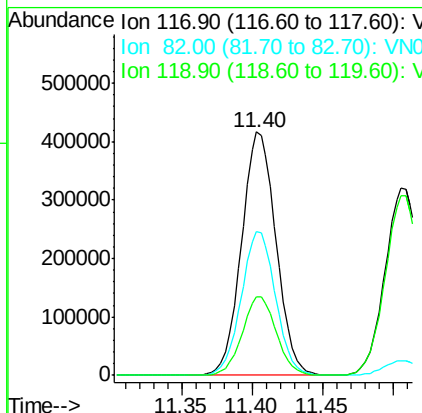
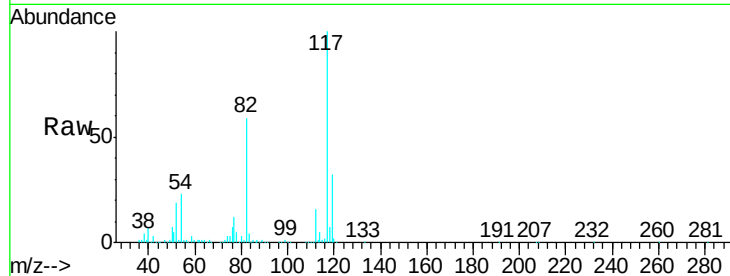
ClientSampled :

VSTDIC150

Tgt Ion:	117	Resp:	713540
Ion Ratio	Lower	Upper	
117	100		
82	59.2	46.0	69.0
119	32.2	25.6	38.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 147.766 ug/l

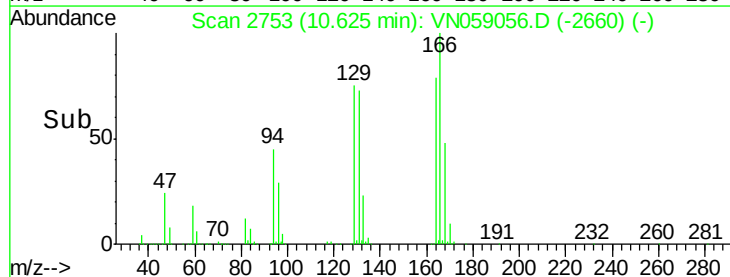
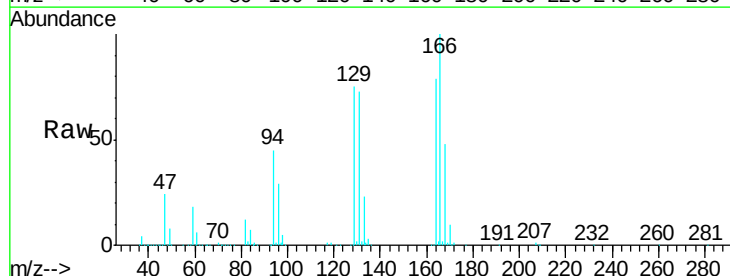
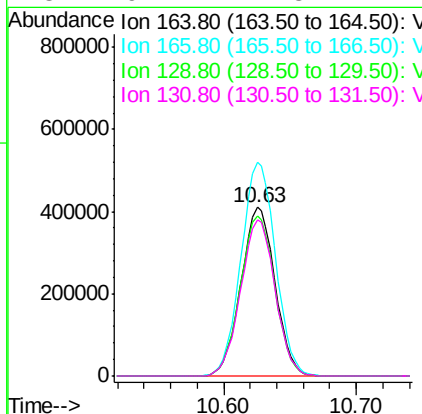
RT: 10.63 min Scan# 2753

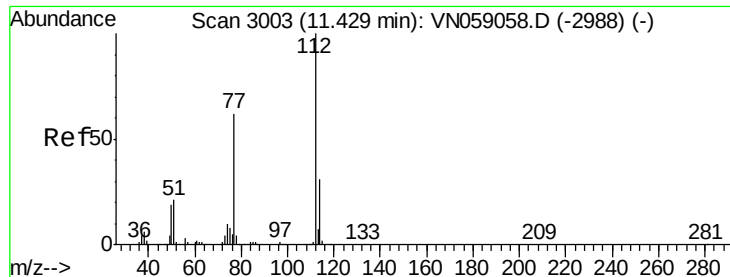
Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Tgt Ion:	164	Resp:	730215
Ion Ratio	Lower	Upper	
164	100		
166	126.5	102.7	154.1
129	94.8	77.3	115.9
131	92.2	74.8	112.2





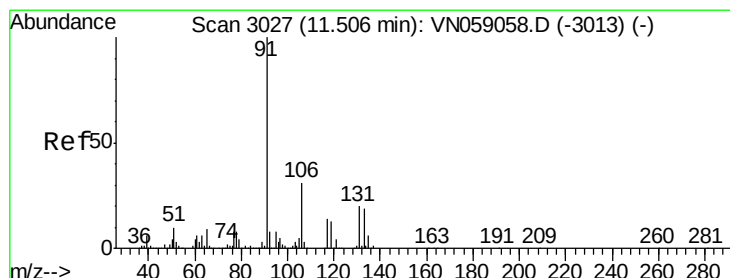
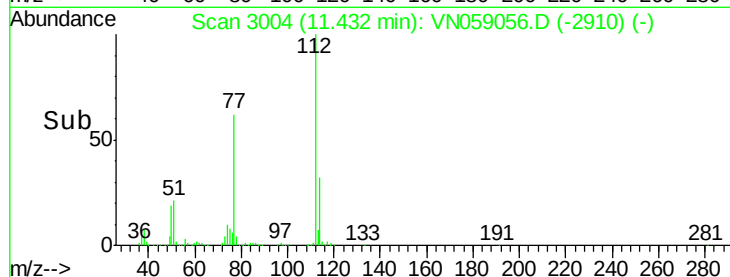
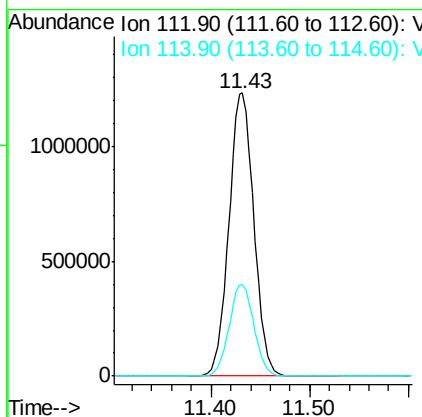
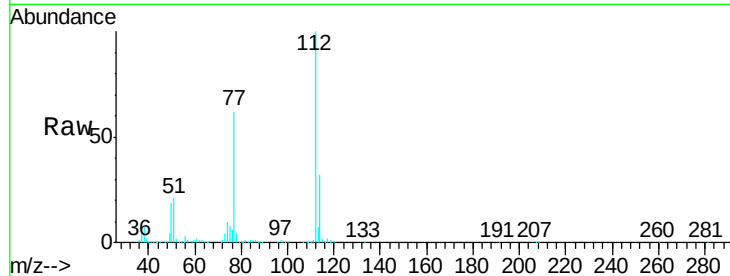
#65
Chlorobenzene
Concen: 150.982 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion:112 Resp: 2171678
Ion Ratio Lower Upper
112 100
114 32.5 25.0 37.6

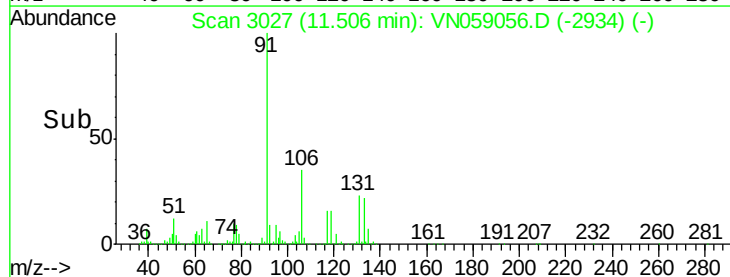
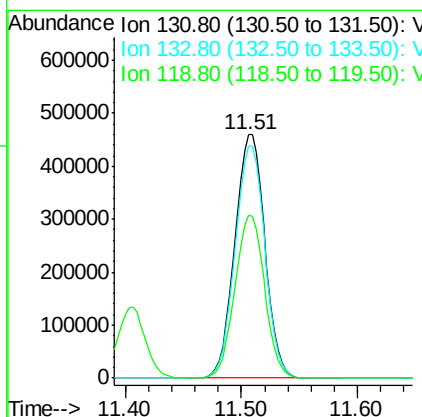
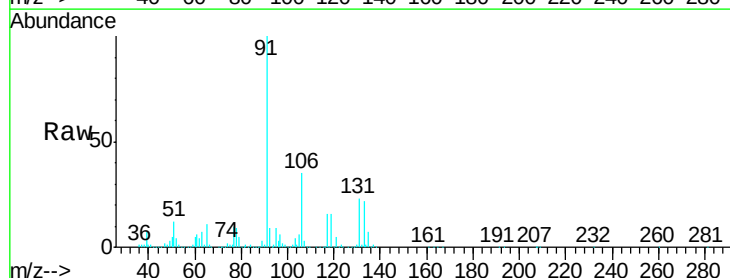
Manual Integrations
APPROVED

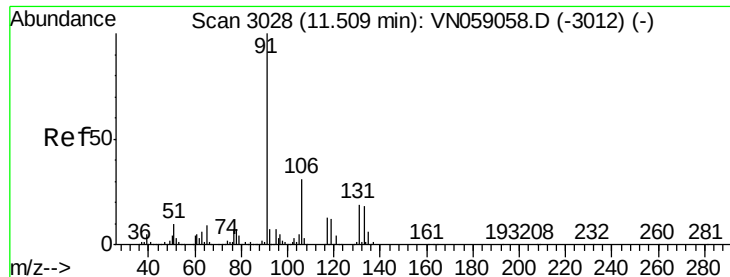
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#66
1,1,1,2-Tetrachloroethane
Concen: 151.551 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion:131 Resp: 821117
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.6
119 66.2 33.5 100.5





#67

Ethyl Benzene

Concen: 147.128 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 91 Resp: 3702906

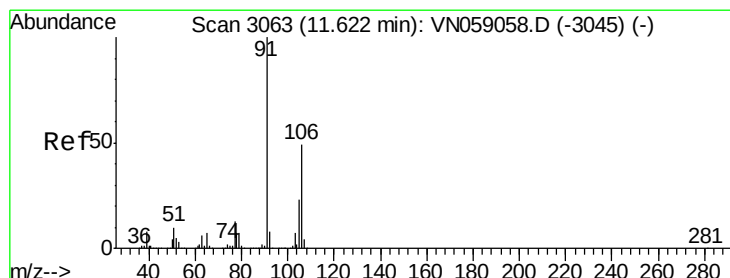
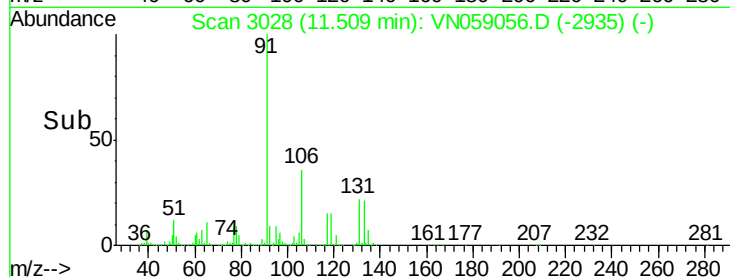
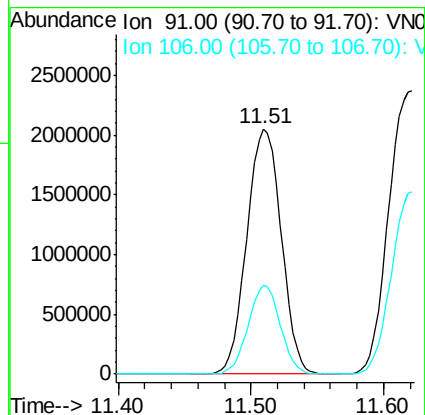
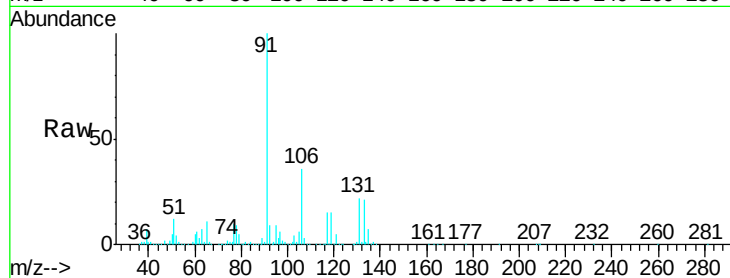
Ion Ratio Lower Upper

91 100

106 36.4 24.6 36.8

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 320.627 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059056.D

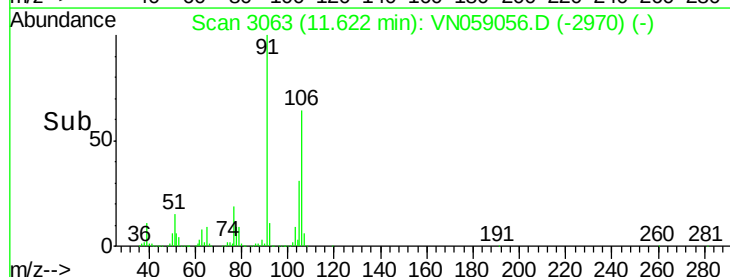
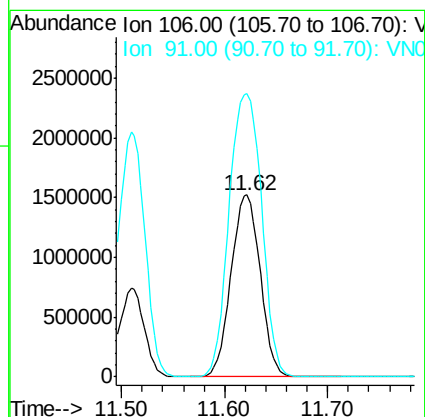
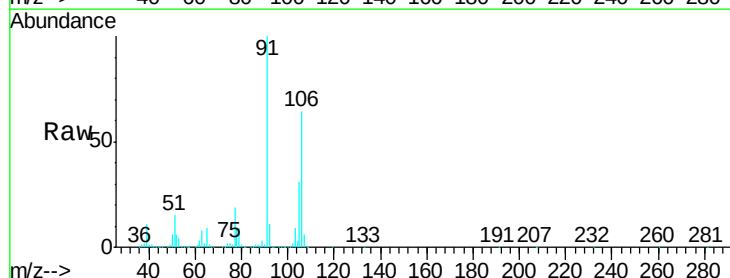
Acq: 1 Nov 2019 12:15

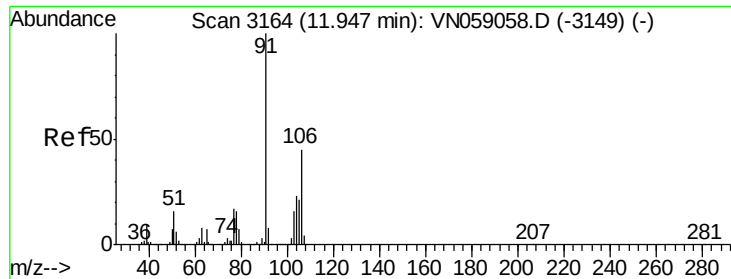
Tgt Ion: 106 Resp: 2988429

Ion Ratio Lower Upper

106 100

91 174.6 165.7 248.5





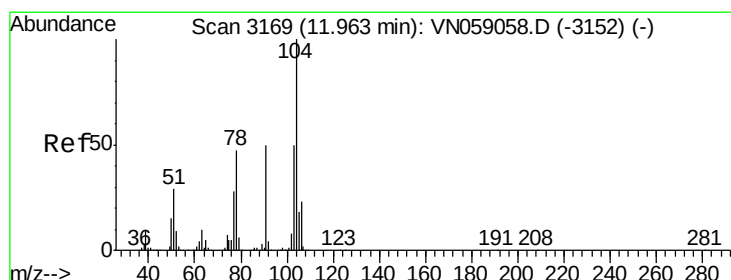
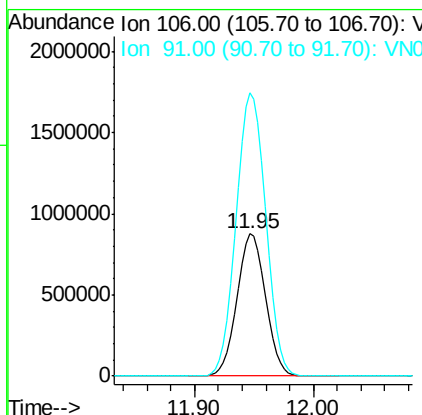
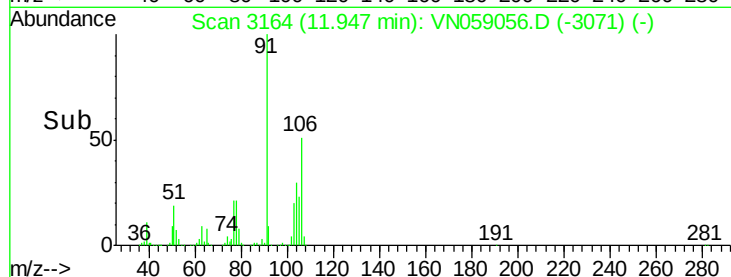
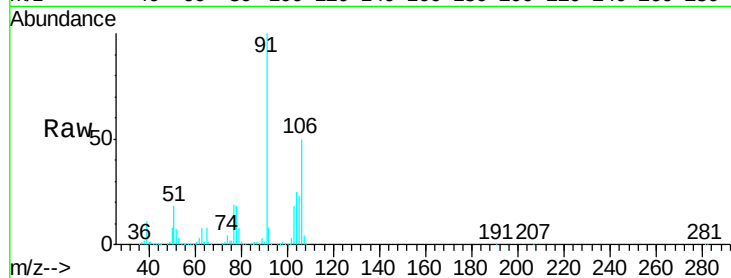
#69
o-Xylene
Concen: 163.426 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1456676
Ion Ratio Lower Upper
106 100
91 206.6 110.4 331.2

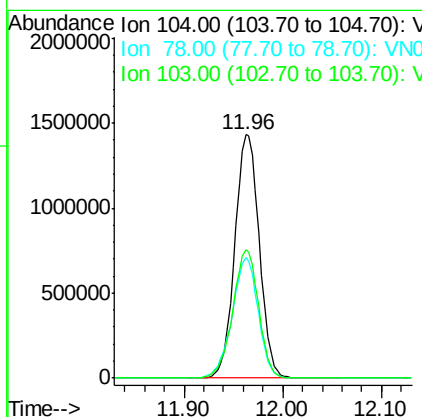
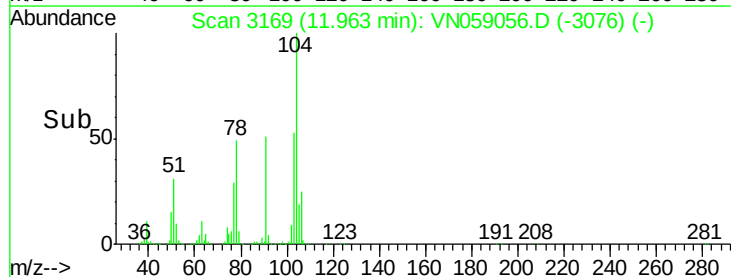
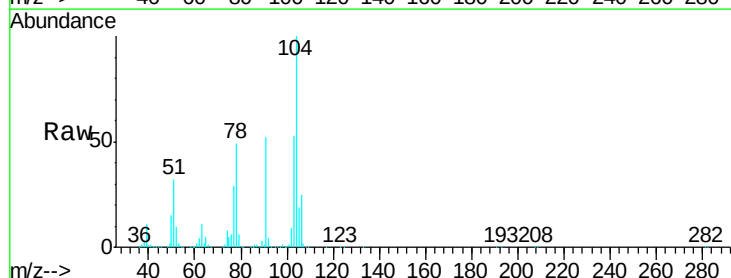
Manual Integrations
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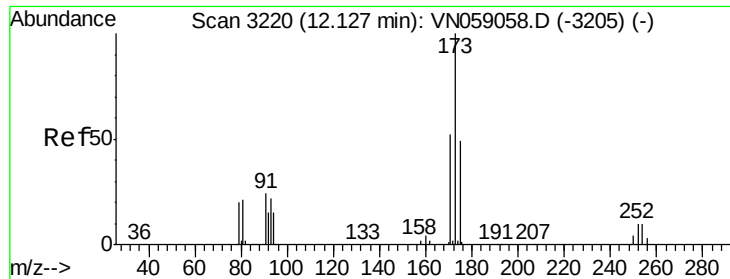
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#70
Styrene
Concen: 169.531 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion:104 Resp: 2464184
Ion Ratio Lower Upper
104 100
78 52.8 41.2 61.8
103 55.8 43.9 65.9





#71

Bromoform

Concen: 165.185 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:173 Resp: 697358

Ion Ratio Lower Upper

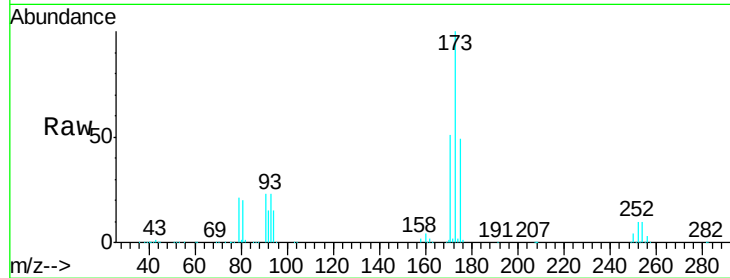
173 100

175 48.5 24.4 73.2

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

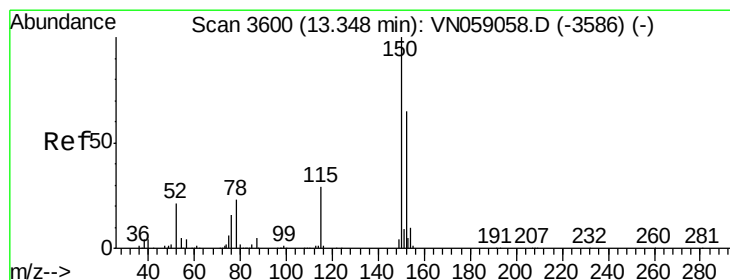
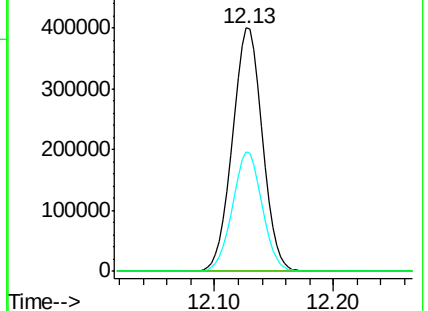
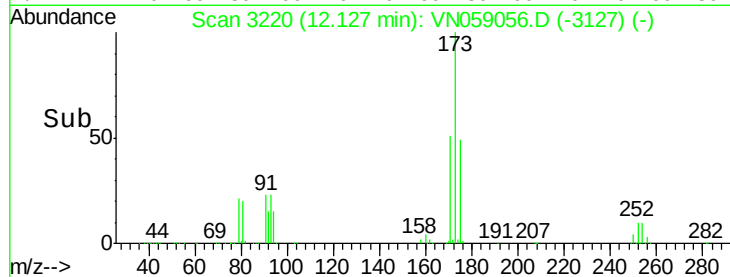
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN059056.D

Acq: 1 Nov 2019 12:15

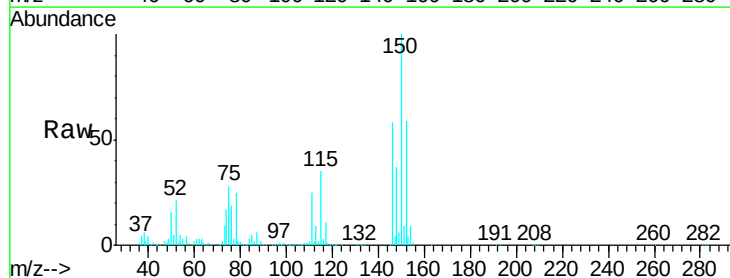
Tgt Ion:152 Resp: 365184

Ion Ratio Lower Upper

152 100

115 59.3 29.6 88.9

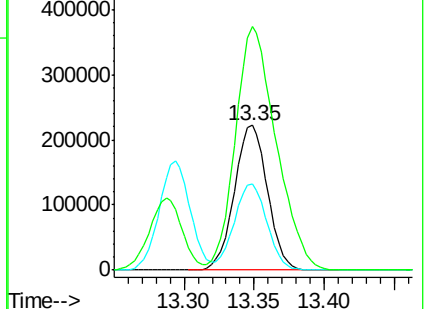
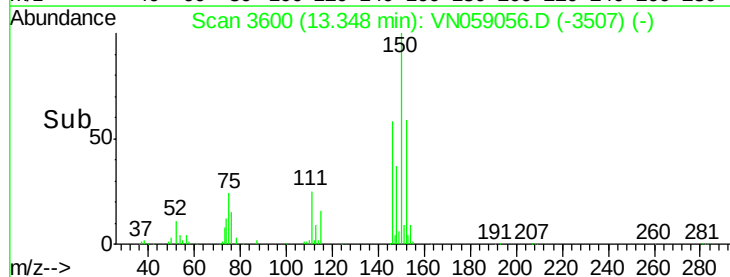
150 206.4 0.0 345.8

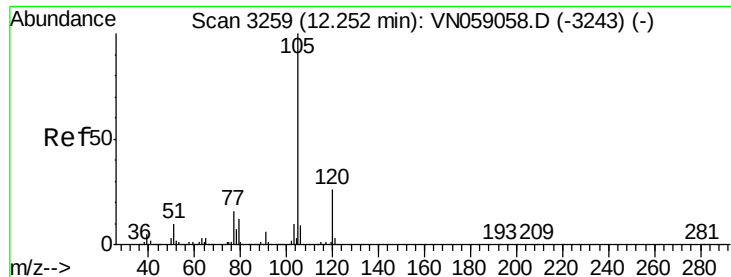


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





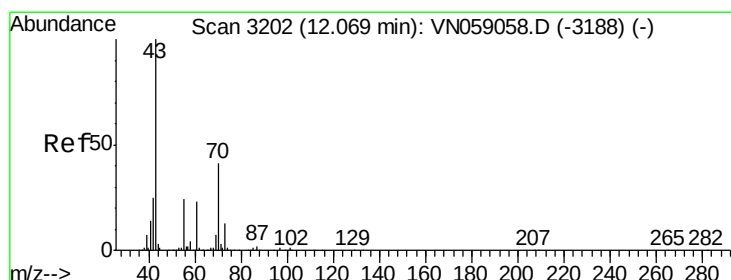
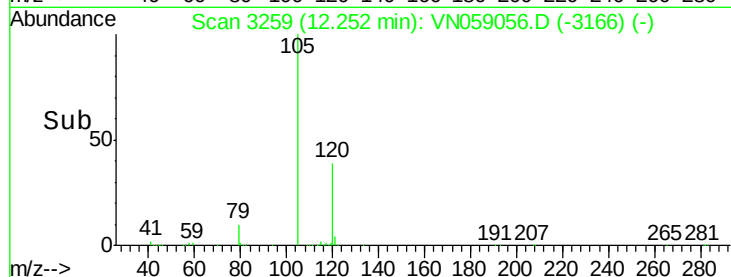
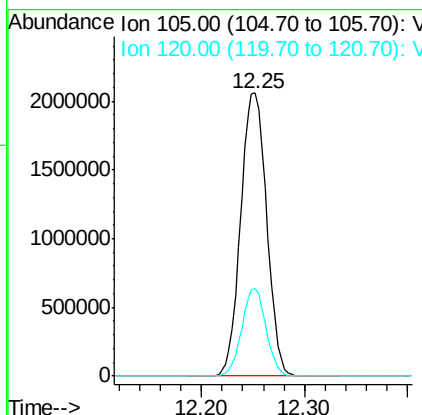
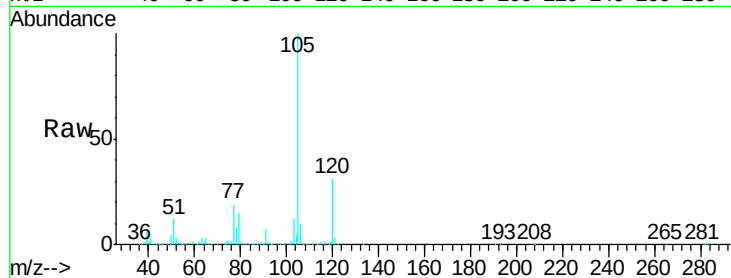
#73
Isopropylbenzene
Concen: 136.249 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 105 Resp: 3605347
Ion Ratio Lower Upper
105 100
120 28.8 13.1 39.1

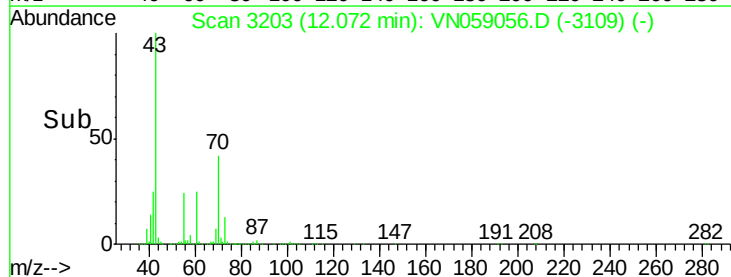
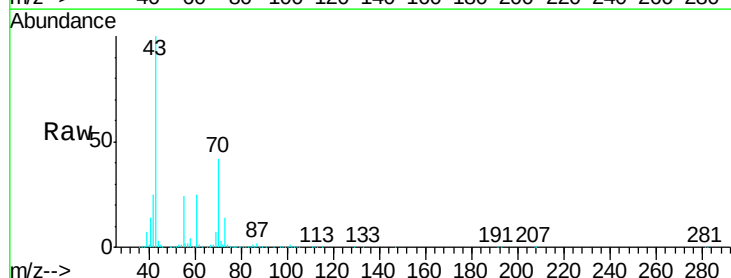
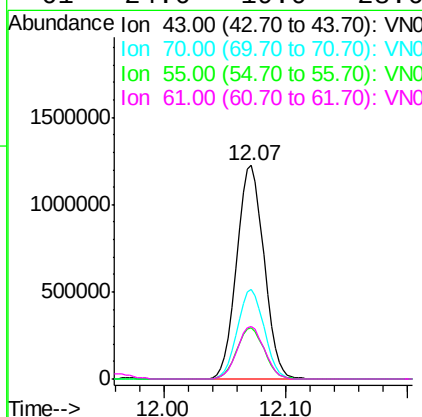
Manual Integrations
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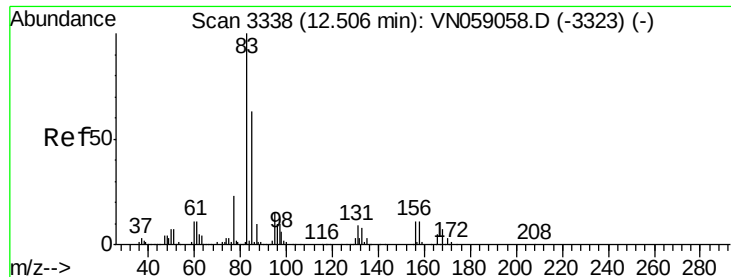
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#74
N-ethyl acetate
Concen: 159.183 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion: 43 Resp: 1897483
Ion Ratio Lower Upper
43 100
70 41.2 32.6 49.0
55 24.2 19.7 29.5
61 24.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 140.341 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 83 Resp: 1305472

Ion Ratio Lower Upper

83 100

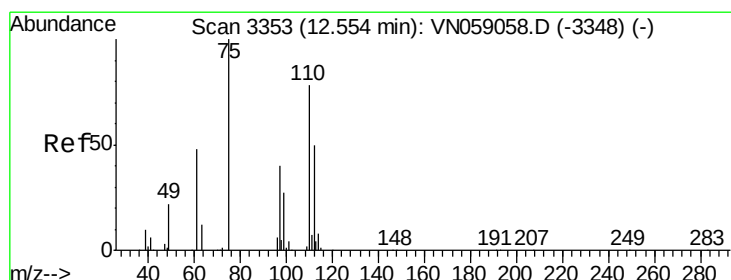
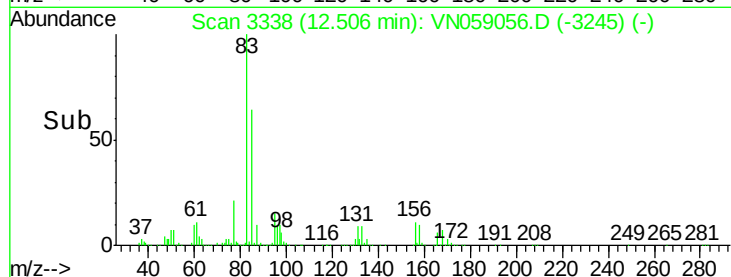
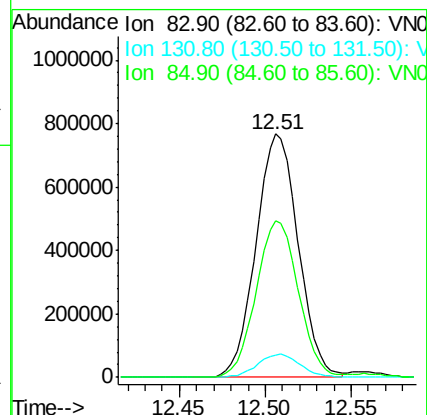
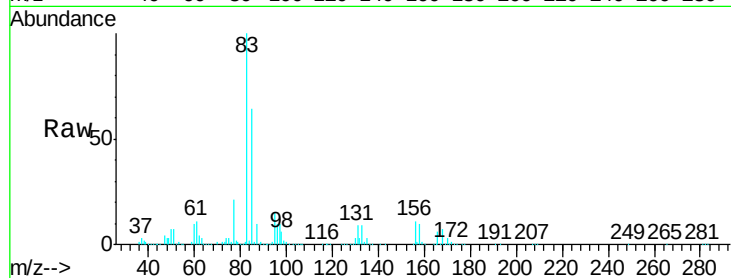
131 9.7 4.9 14.7

85 64.3 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 135.489 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059056.D

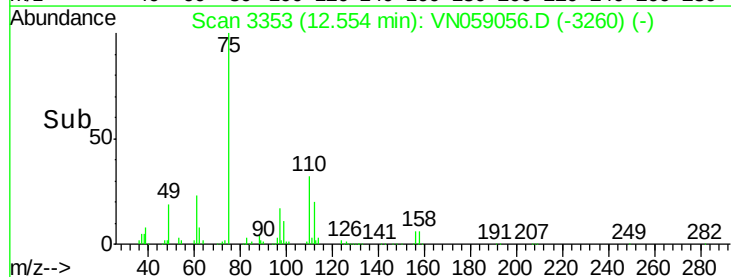
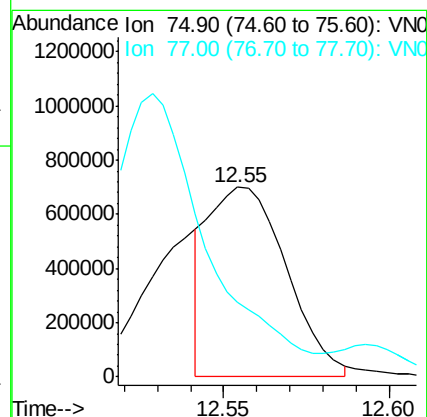
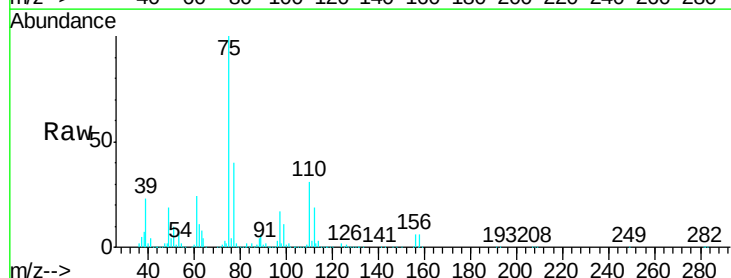
Acq: 1 Nov 2019 12:15

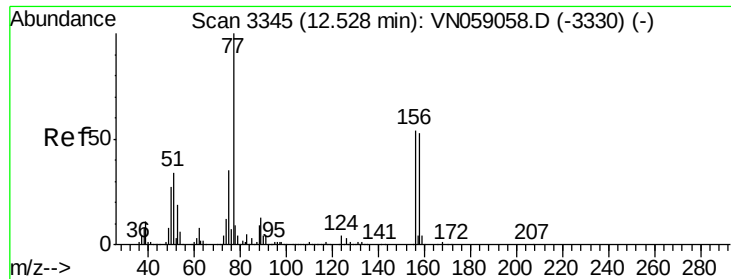
Tgt Ion: 75 Resp: 1147606

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 145.311 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

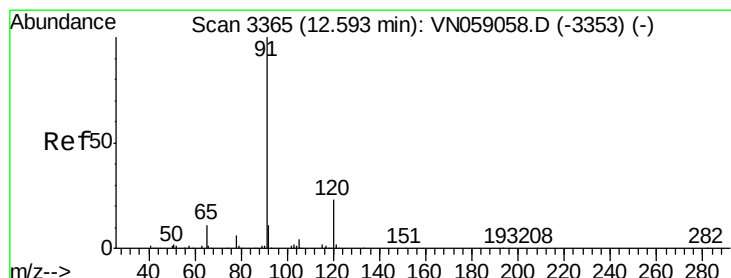
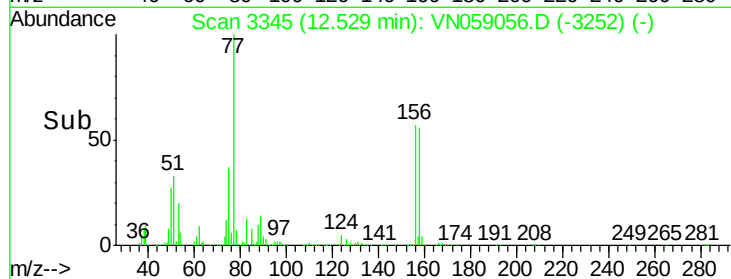
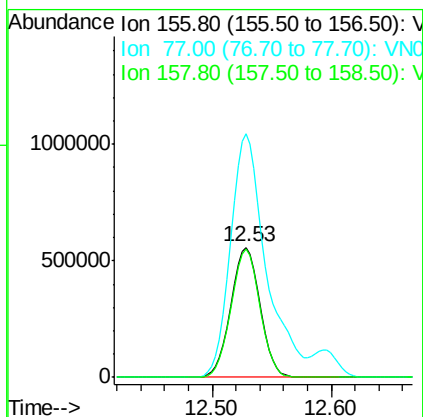
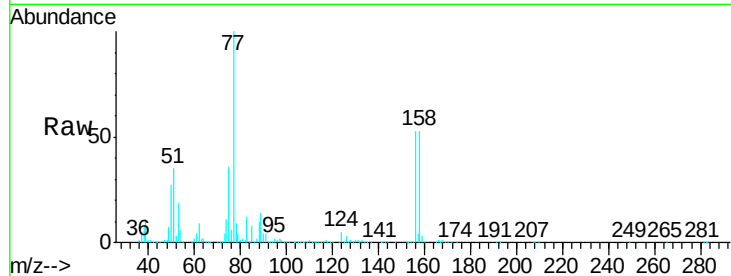
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
156	100		
77	228.8	114.2	342.6
158	97.7	49.6	149.0

Manual Integrations
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#78

n-propylbenzene

Concen: 130.642 ug/l

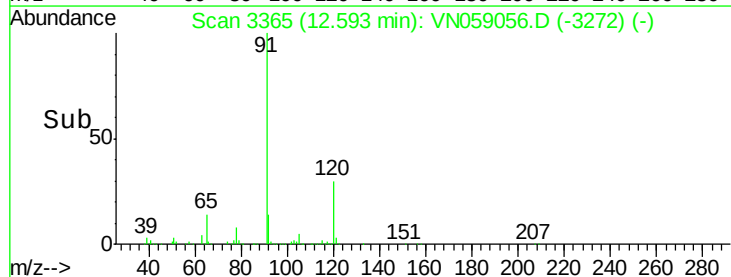
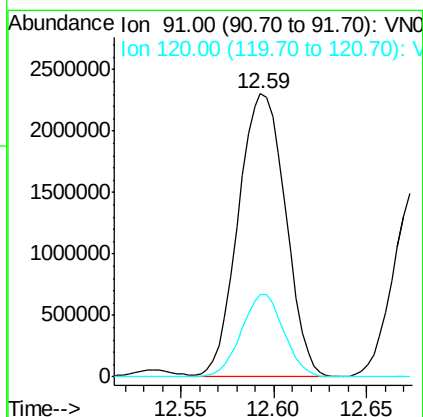
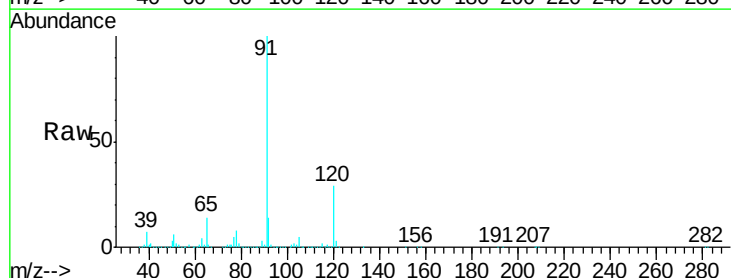
RT: 12.59 min Scan# 3365

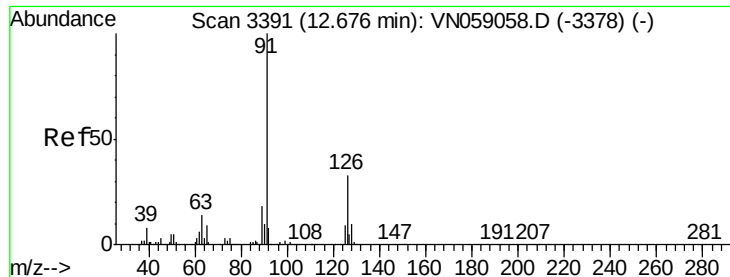
Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	26.1	11.2	33.5





#79

2-Chlorotoluene

Concen: 139.108 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 91 Resp: 2663779

Ion Ratio Lower Upper

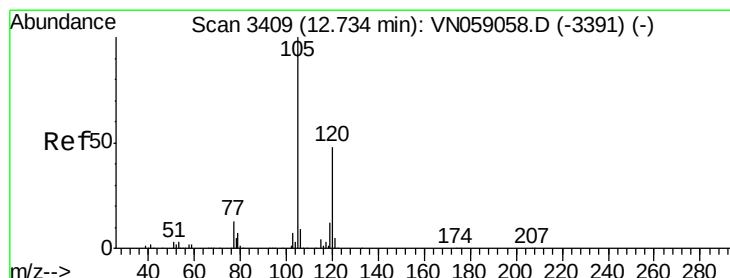
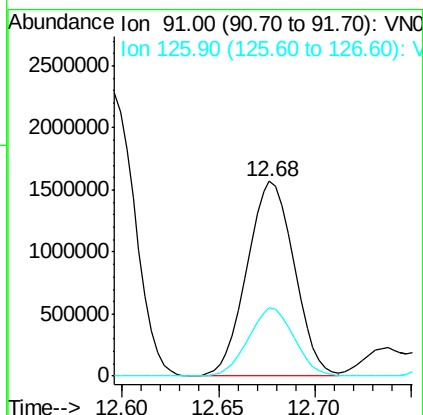
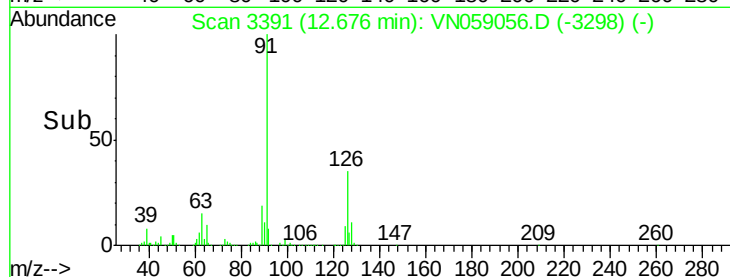
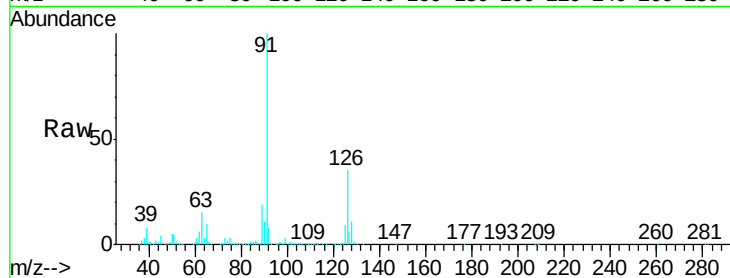
91 100

126 34.0 16.3 48.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 144.011 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059056.D

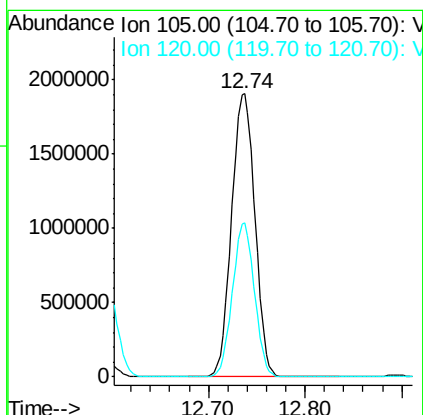
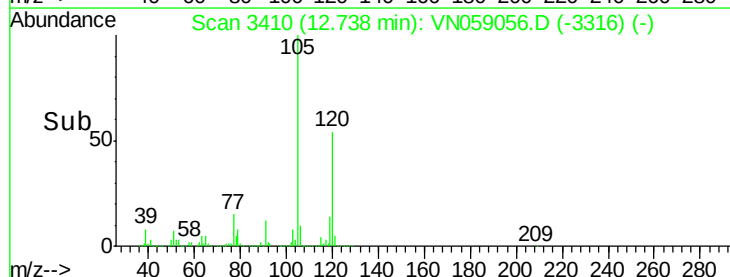
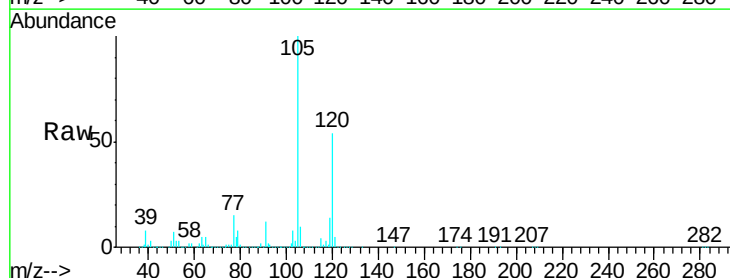
Acq: 1 Nov 2019 12:15

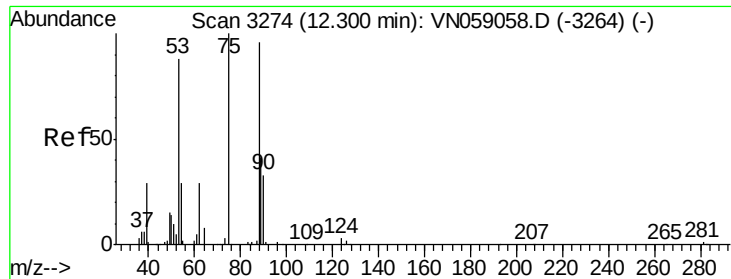
Tgt Ion: 105 Resp: 3190941

Ion Ratio Lower Upper

105 100

120 51.4 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 159.082 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

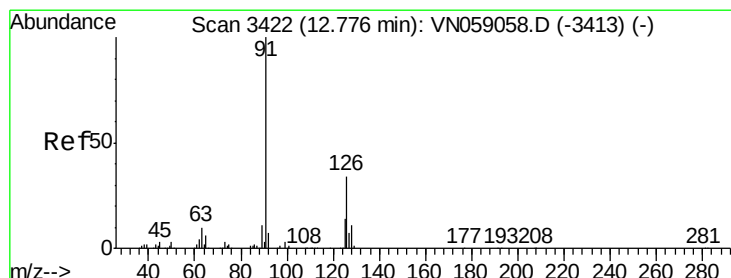
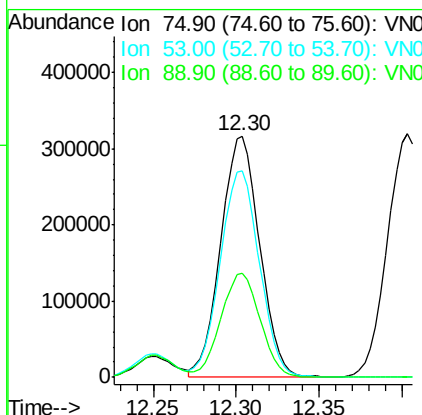
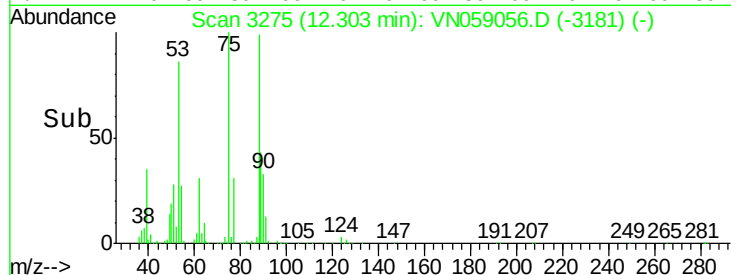
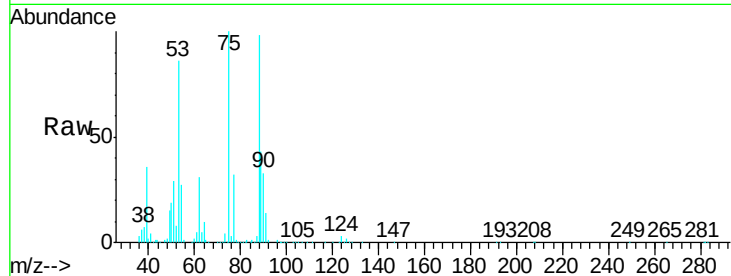
ClientSampleId :

VSTDIC150

Tgt Ion:	75	Resp:	516204
Ion Ratio	Lower	Upper	
75	100		
53	86.5	70.4	105.6
89	43.6	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 142.951 ug/l

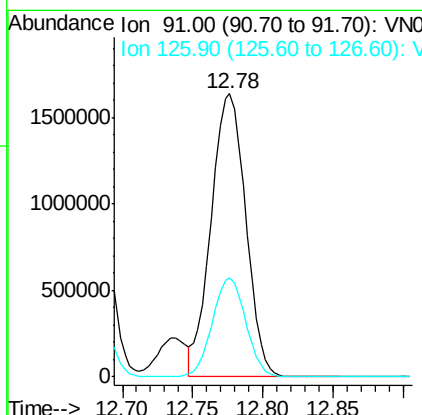
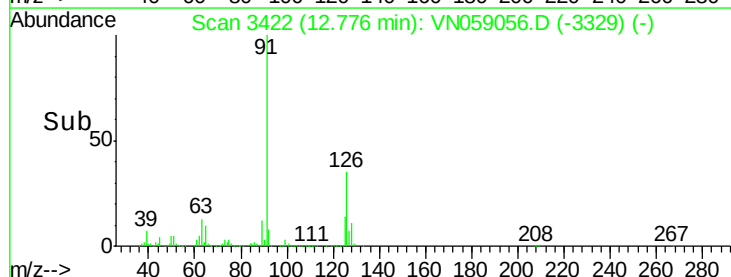
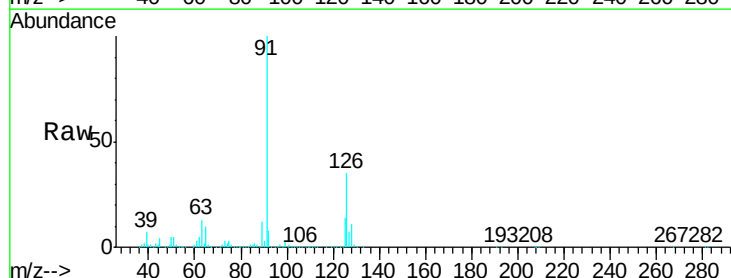
RT: 12.78 min Scan# 3422

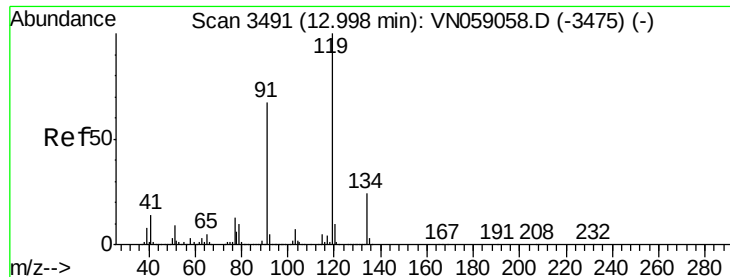
Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Tgt Ion:	91	Resp:	2789318
Ion Ratio	Lower	Upper	
91	100		
126	33.6	16.0	47.9





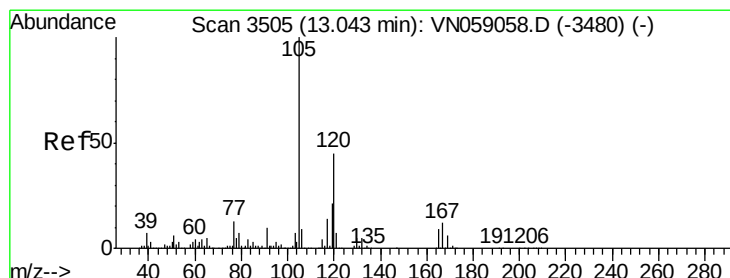
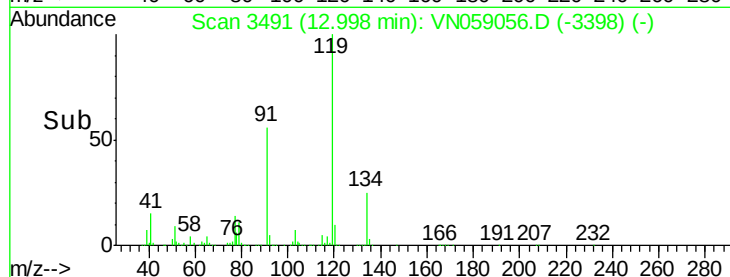
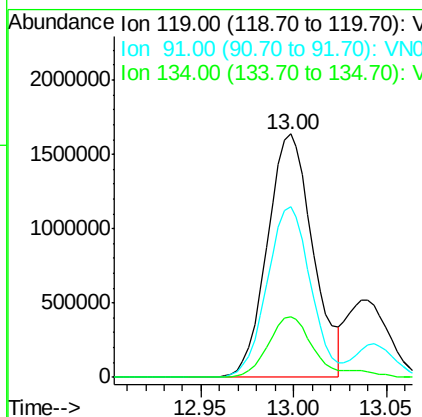
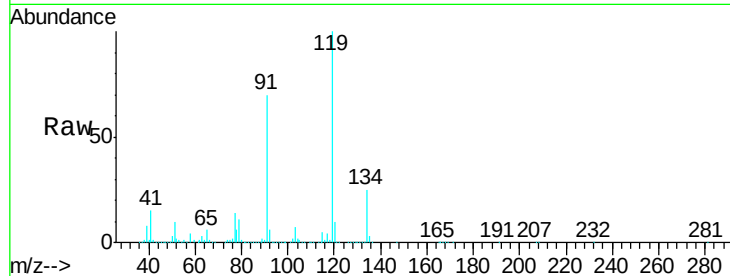
#83
 tert-Butylbenzene
 Concen: 147.883 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 2806207
 Ion Ratio Lower Upper
 119 100
 91 67.7 33.7 101.0
 134 25.8 12.9 38.7

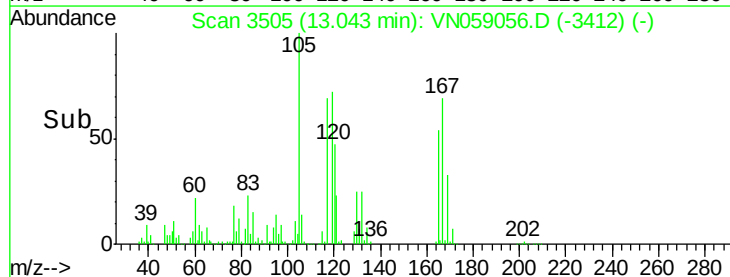
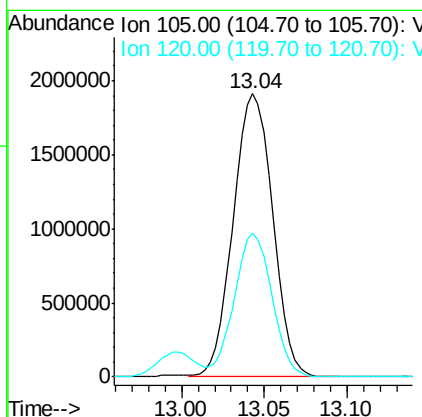
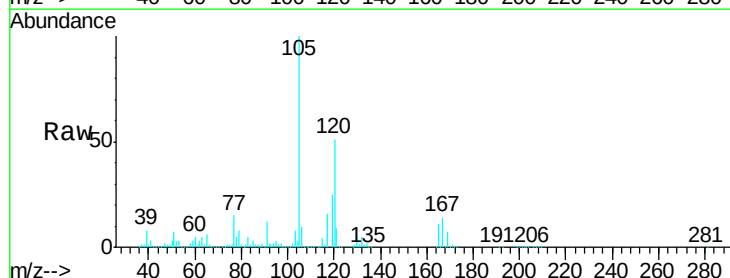
Manual Integrations
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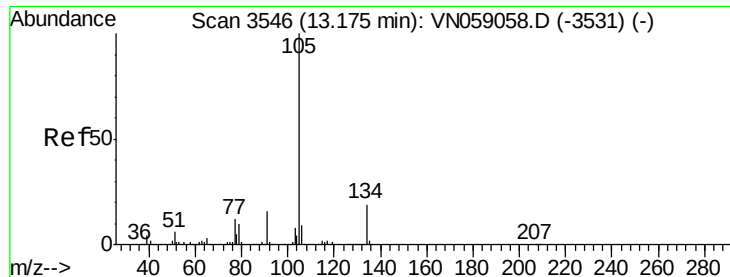
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#84
 1,2,4-Trimethylbenzene
 Concen: 145.131 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion:105 Resp: 3169775
 Ion Ratio Lower Upper
 105 100
 120 48.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 141.701 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 3576890

Ion Ratio Lower Upper

105 100

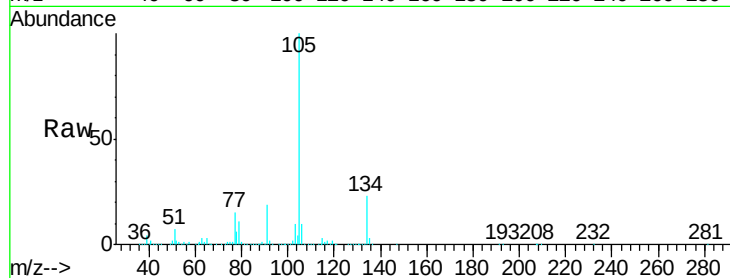
134 21.5 9.8 29.4

Manual Integrations

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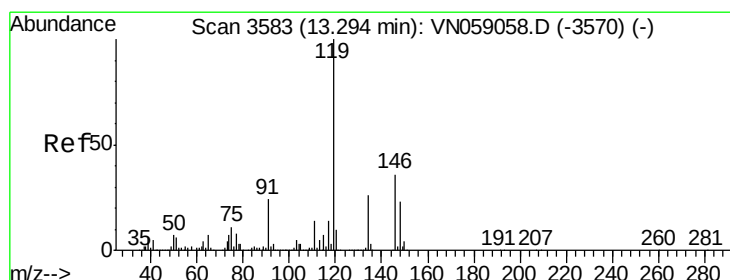
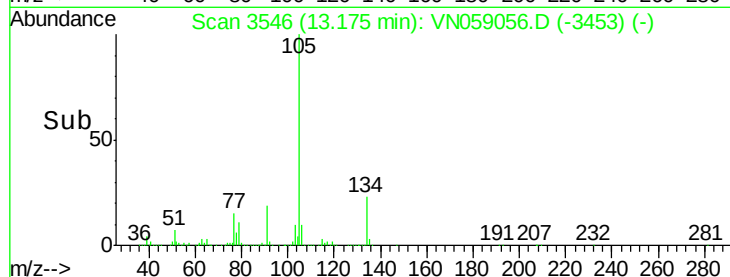
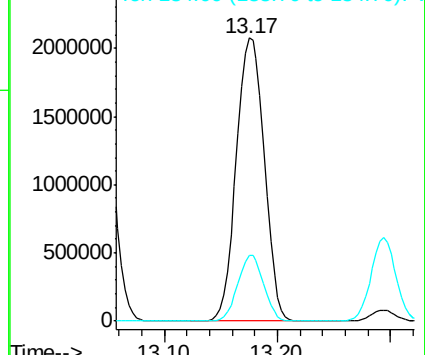
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 147.212 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

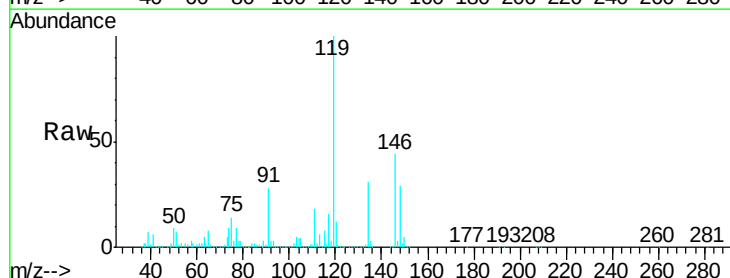
Tgt Ion:119 Resp: 3283886

Ion Ratio Lower Upper

119 100

134 28.5 13.0 39.0

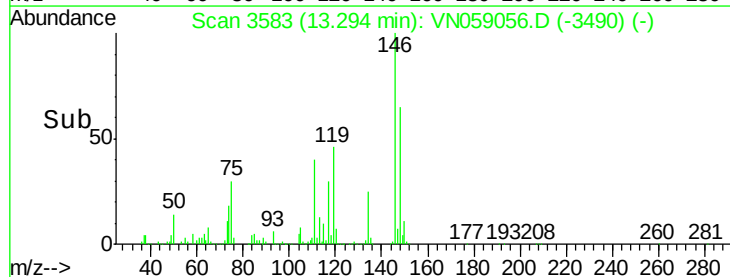
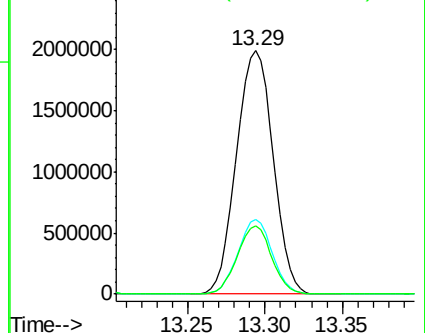
91 26.2 12.0 36.0

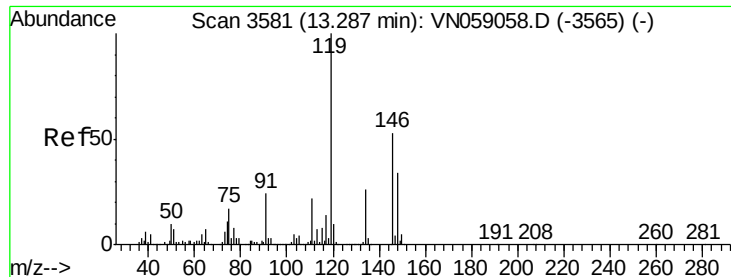


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





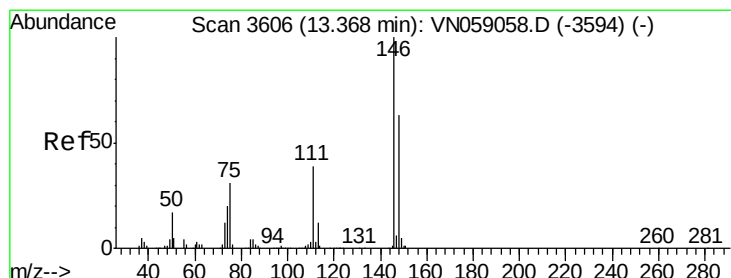
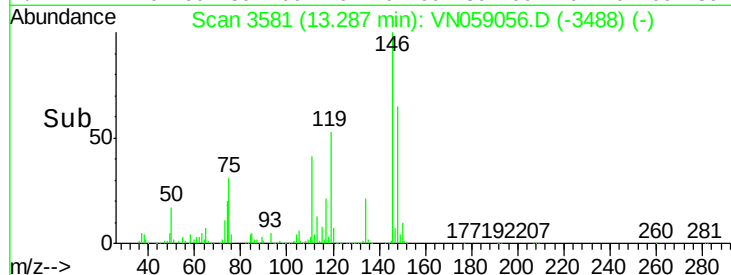
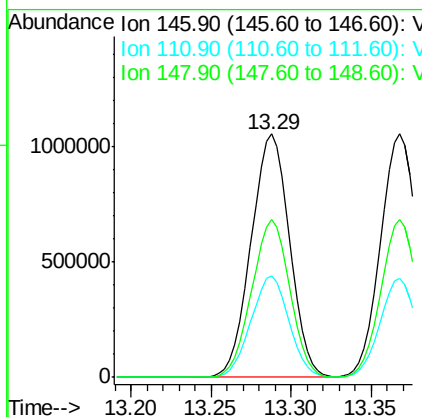
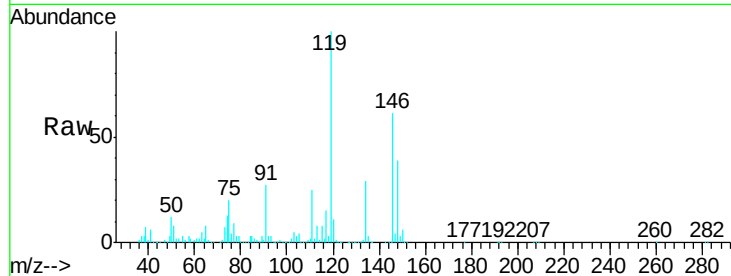
#87
 1,3-Dichlorobenzene
 Concen: 149.659 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.1	31.8	95.3

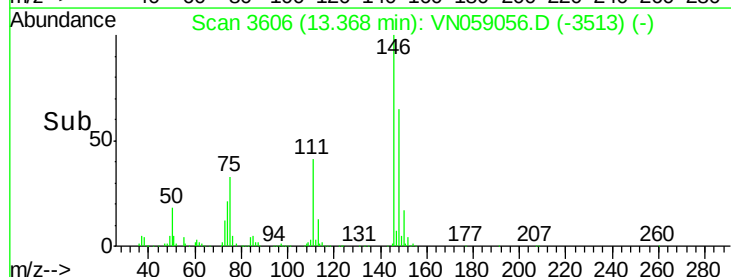
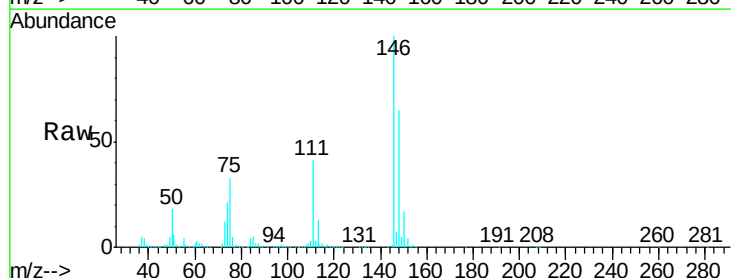
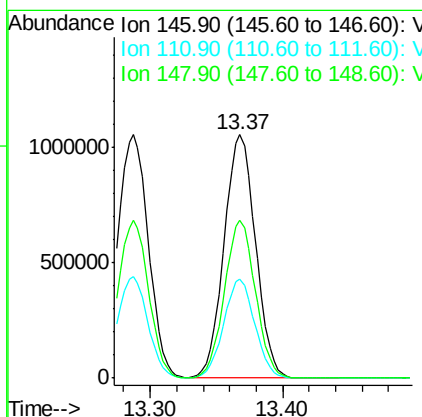
Manual Integrations
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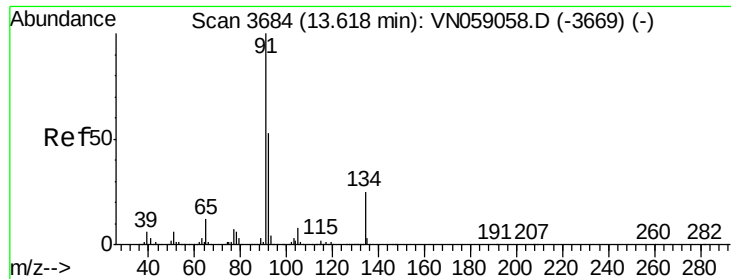
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 11/5/2019 1:58:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 149.037 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	64.0	31.9	95.7





#89

n-Butylbenzene

Concen: 152.431 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

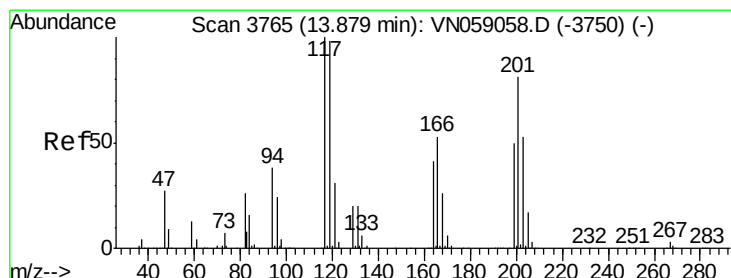
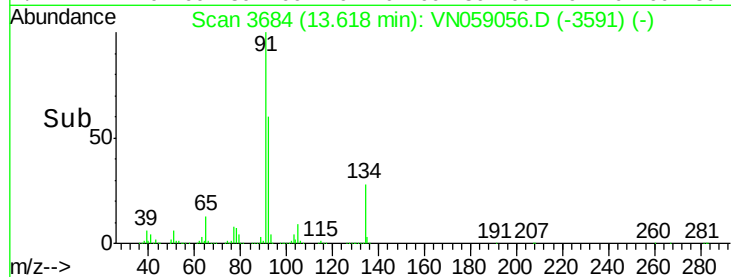
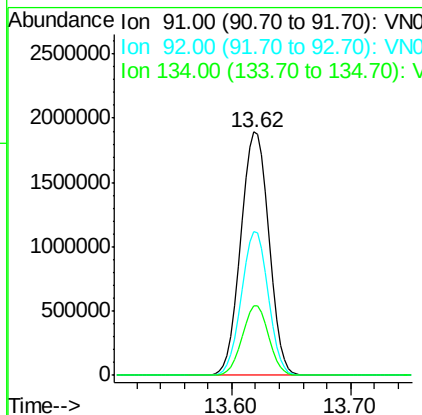
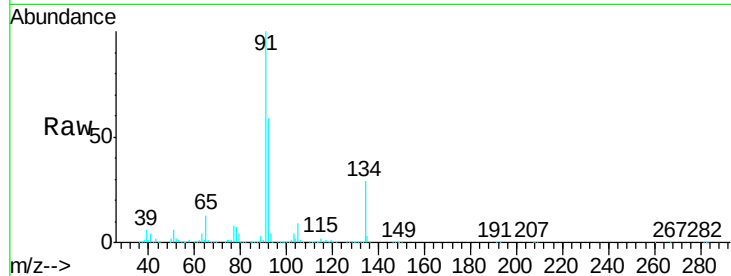
VSTDIC150

Tgt Ion: 91 Resp: 3104657

Ion	Ratio	Lower	Upper
91	100		
92	56.4	26.4	79.0
134	27.1	12.5	37.5

Manual Integrations
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#90

Hexachloroethane

Concen: 145.238 ug/l

RT: 13.88 min Scan# 3765

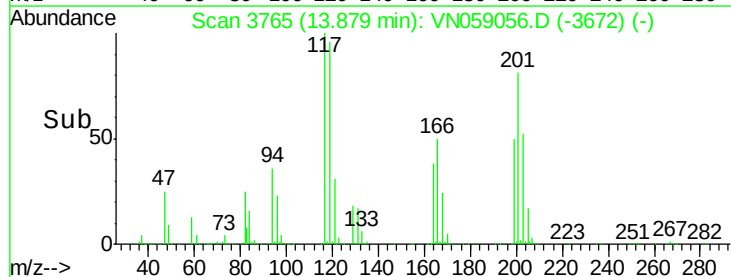
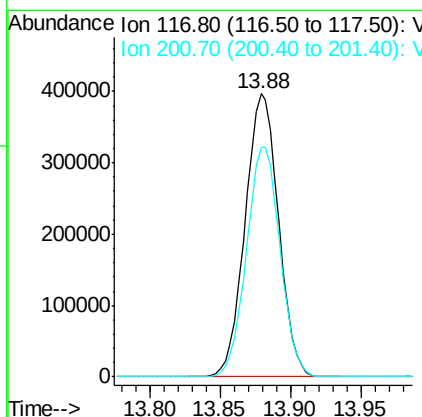
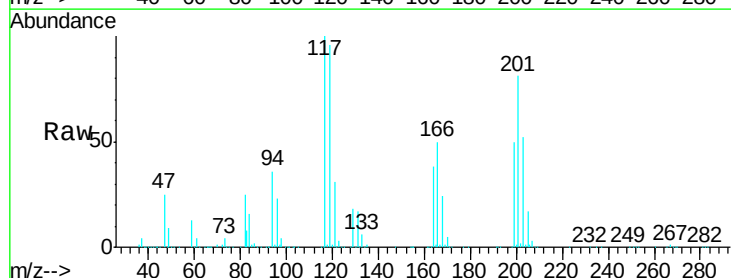
Delta R.T. 0.00 min

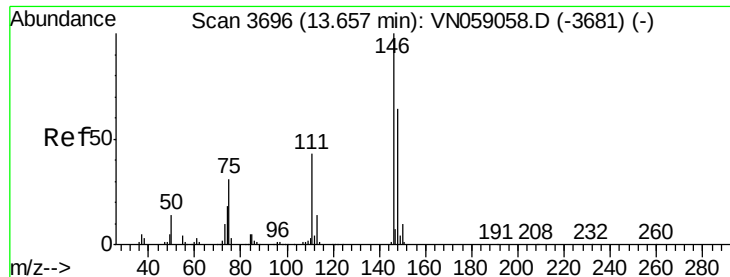
Lab File: VN059056.D

Acq: 1 Nov 2019 12:15

Tgt Ion: 117 Resp: 657593

Ion	Ratio	Lower	Upper
117	100		
201	81.9	40.7	122.1





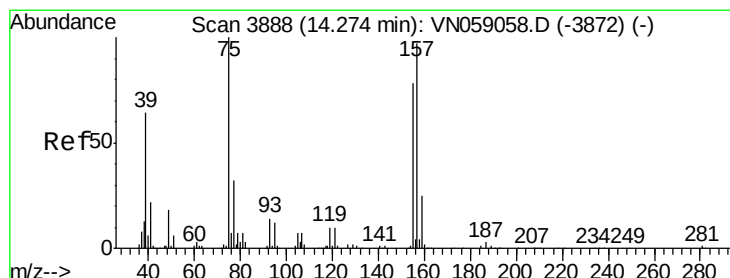
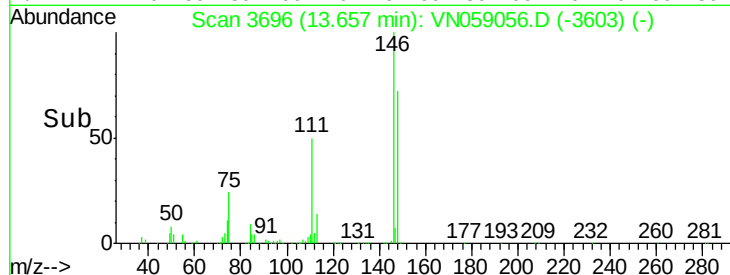
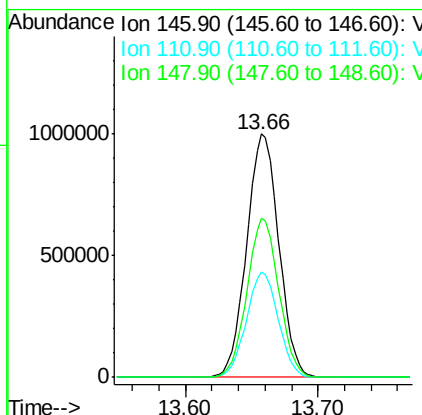
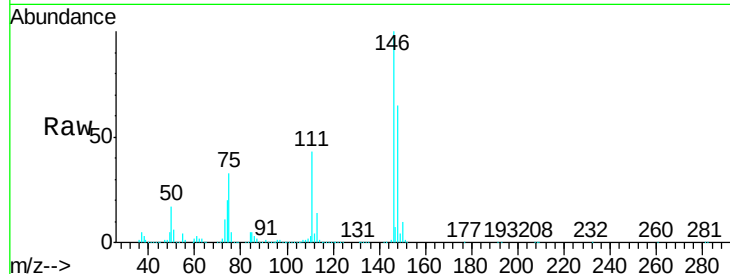
#91
 1,2-Dichlorobenzene
 Concen: 147.015 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	64.6	32.1	96.3

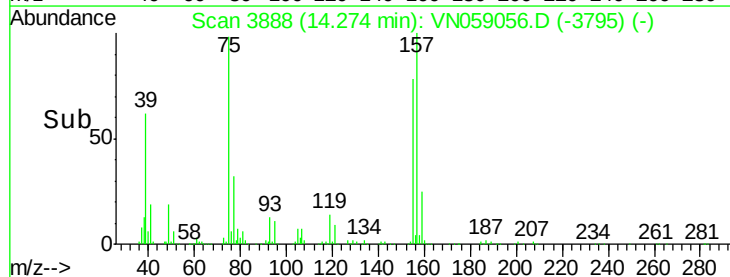
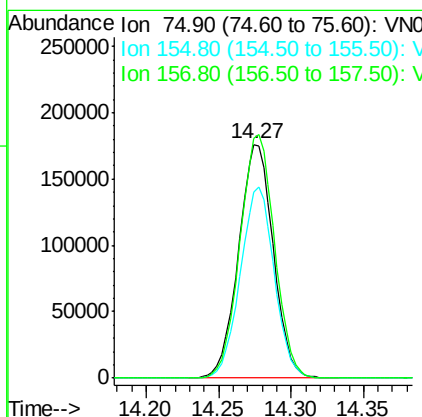
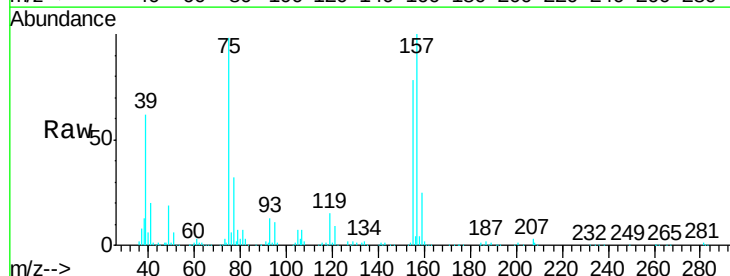
Manual Integrations
 APPROVED

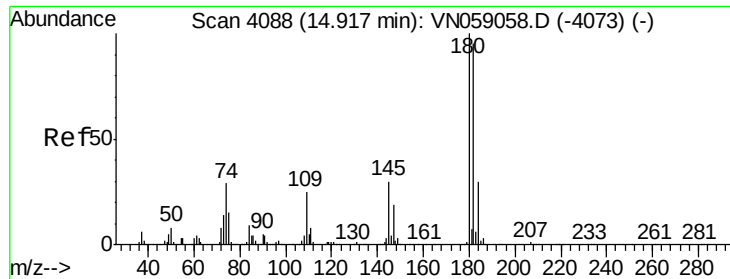
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 139.987 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.6	39.7	119.1
157	104.3	51.0	153.0





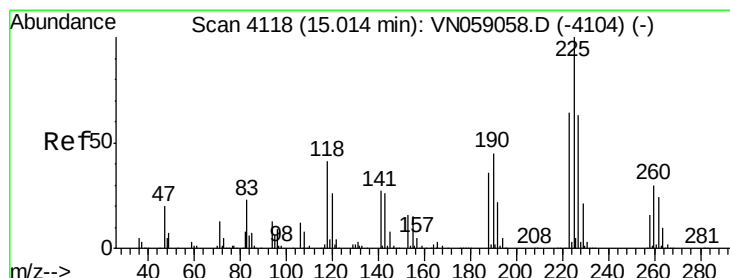
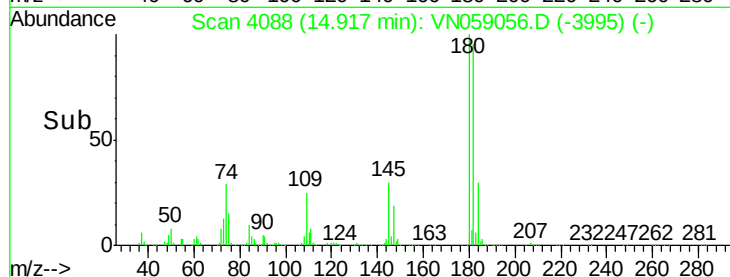
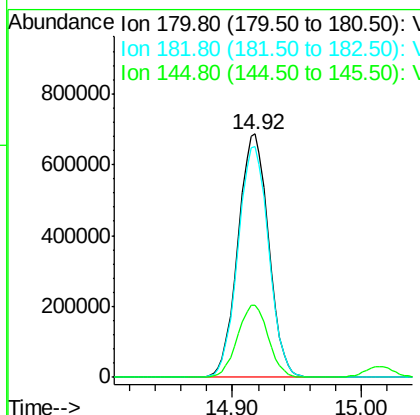
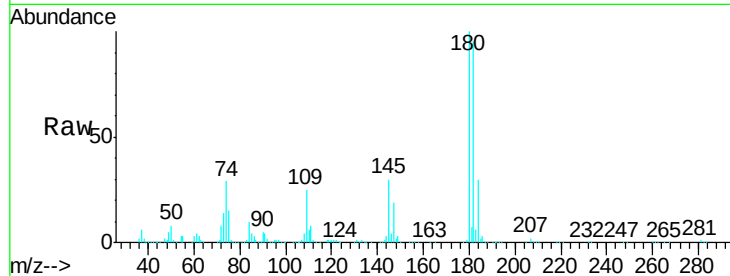
#93
 1,2,4-Trichlorobenzene
 Concen: 180.425 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.4
145	29.8	15.1	45.3

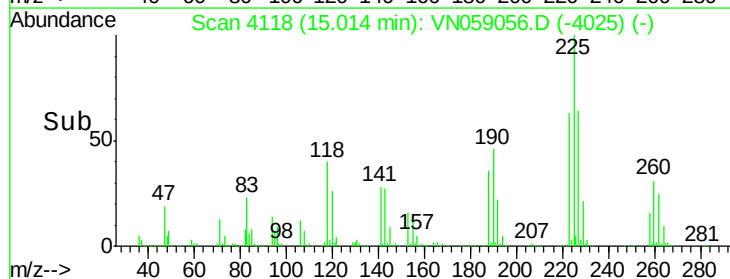
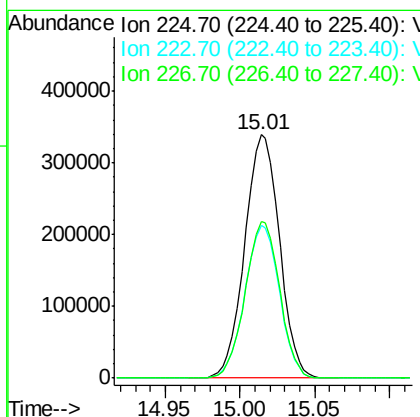
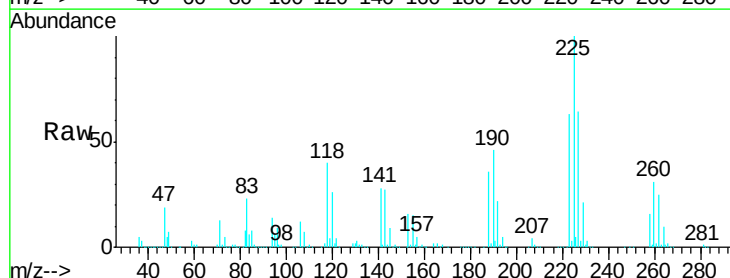
Manual Integrations
 APPROVED

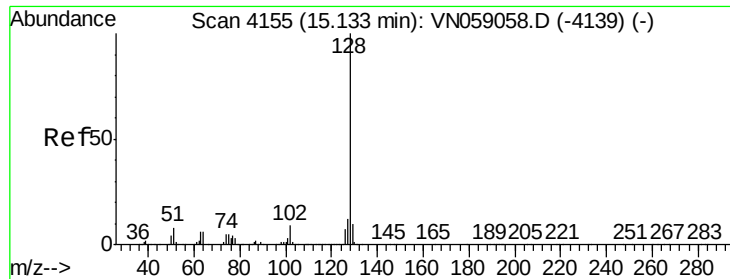
MMDadoda
 11/5/2019 1:58:57 PM



#94
 Hexachlorobutadiene
 Concen: 147.045 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059056.D
 Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	95.0
227	63.9	31.9	95.7





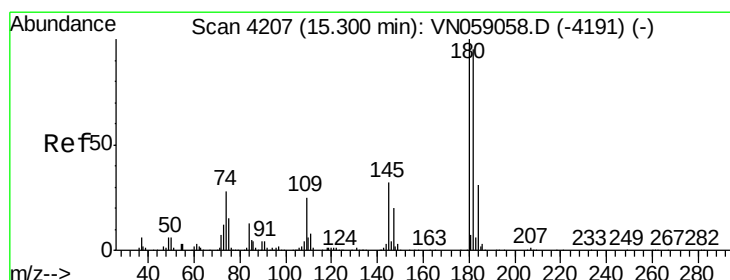
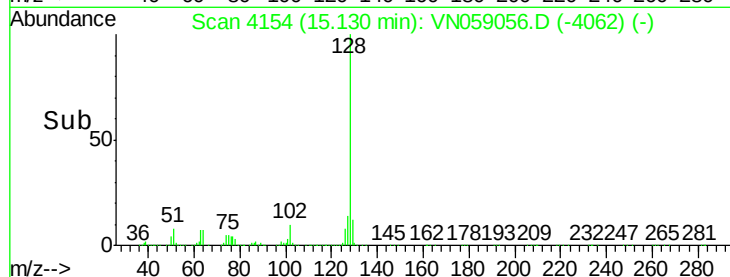
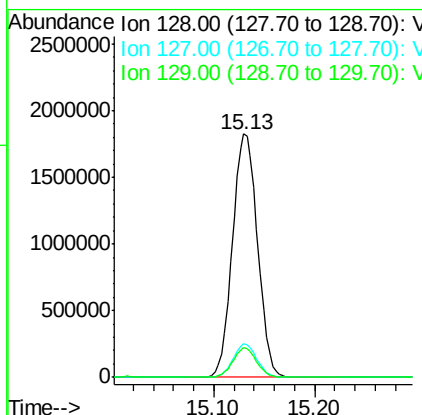
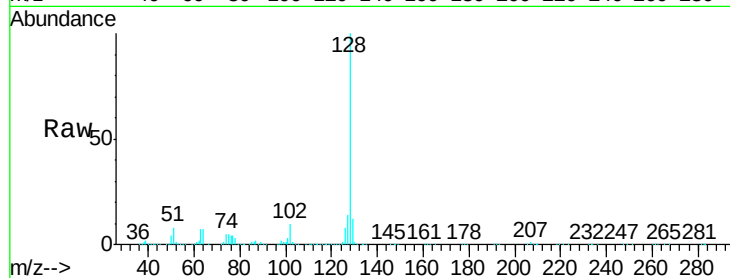
#95
Naphthalene
Concen: 181.045 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	11.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/5/2019 1:58:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 177.611 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059056.D
Acq: 1 Nov 2019 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.7	143.1
145	31.8	16.0	48.0

