

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056575.D
 Acq On : 3 Jul 2019 9:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:04:42 AM

Quant Time: Jul 03 10:51:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	49167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	265232	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	224449	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	101063	33.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.33%
60) 4-Bromofluorobenzene	12.40	95	95707	28.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.90%
63) Toluene-d8	10.09	98	323418	31.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	12105	4.377 ug/l	100
3) Chloromethane	2.06	50	18983	5.875 ug/l	100
4) Vinyl Chloride	2.18	62	17642	5.355 ug/l	93
5) Bromomethane	2.53	94	9458m	4.568 ug/l	
6) Chloroethane	2.68	64	9765m	5.241 ug/l	
7) Trichlorofluoromethane	3.01	101	22473	5.514 ug/l	93
8) Diethyl Ether	3.41	74	9361	5.415 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	14532	5.776 ug/l	86
10) 1,1-Dichloroethene	3.73	96	13519	5.267 ug/l	97
11) Methyl Iodide	3.95	142	17687	4.368 ug/l	98
12) Methyl Acetate	4.33	43	23237m	7.535 ug/l	
13) Acrolein	3.61	56	10512	69.930 ug/l	94
14) Acrylonitrile	4.99	53	38717	28.150 ug/l	97
15) Acetone	3.82	58	11670	25.914 ug/l	95
16) Carbon Disulfide	4.05	76	29850	4.888 ug/l	99
17) Allyl chloride	4.32	41	23107	5.811 ug/l	98
18) Methylene Chloride	4.55	84	17173	5.780 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	15313	5.590 ug/l	99
20) Diisopropyl ether	5.95	45	49673	6.029 ug/l	92
21) 1,1-Dichloroethane	5.85	63	28347	5.920 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	17890	5.595 ug/l	94
23) tert-Butyl Alcohol	4.79	59	17362m	32.432 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	45809	5.601 ug/l #	82
25) Chloroform	7.37	83	28762	6.016 ug/l	98
26) Cyclohexane	7.65	56	25518	5.745 ug/l #	93
29) 1,1-Dichloropropene	7.79	75	20000	5.575 ug/l	99
30) 2-Butanone	6.84	43	56303	29.810 ug/l #	77
31) 2,2-Dichloropropane	6.82	77	19408	5.815 ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	21237	5.358 ug/l	97
33) Carbon Tetrachloride	7.77	117	17708	5.273 ug/l	95
34) Benzene	8.04	78	65927	5.767 ug/l #	79
35) Methacrylonitrile	7.18	41	9829	6.163 ug/l	97
36) 1,2-Dichloroethane	8.12	62	22123	6.179 ug/l #	83
37) Trichloroethene	8.83	130	16872	5.275 ug/l	96
38) Methylcyclohexane	9.08	83	24636	5.416 ug/l	95
39) 1,2-Dichloropropane	9.12	63	17538	5.990 ug/l	96
40) Dibromomethane	9.21	93	10654	5.488 ug/l	91

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Jul 03 10:51:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:34:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	18730	5.388	ug/l	98
42) Vinyl Acetate	5.90	43	187185	27.798	ug/l	96
43) Ethyl Acetate	6.93	43	21859	6.047	ug/l	100
44) Isopropyl Acetate	8.17	43	33272	5.928	ug/l	95
45) 1,4-Dioxane	9.20	88	6866	114.359	ug/l #	90
46) Methyl methacrylate	9.20	41	16877	6.053	ug/l	95
47) n-amyl Acetate	12.07	43	24595	5.299	ug/l	93
48) t-1,3-Dichloropropene	10.38	75	18044	4.933	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	21777	5.084	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	15779	5.473	ug/l	95
51) Ethyl methacrylate	10.43	69	22909	5.252	ug/l	90
52) 1,3-Dichloropropane	10.71	76	27013	5.779	ug/l	97
53) Dibromochloromethane	10.90	129	13560	4.804	ug/l	96
54) 1,2-Dibromoethane	11.00	107	15827	5.260	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	56820	37.189	ug/l	97
56) Bromoform	12.13	173	9619	4.711	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	108499	31.924	ug/l	96
59) 2-Hexanone	10.75	43	78723	32.407	ug/l	96
61) Tetrachloroethene	10.63	164	15792	5.048	ug/l	96
62) Toluene	10.16	91	68879	5.685	ug/l	99
64) Chlorobenzene	11.43	112	40519	5.513	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	13879	5.237	ug/l	97
66) Ethyl Benzene	11.51	91	71412	5.534	ug/l	95
67) m/p-Xylenes	11.62	106	50752	10.274	ug/l	91
68) o-Xylene	11.95	106	26517	5.483	ug/l	96
69) Styrene	11.96	104	39936	5.083	ug/l	97
70) Isopropylbenzene	12.25	105	66253	5.244	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	23113	6.067	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	19908m	6.037	ug/l	
73) Bromobenzene	12.52	156	16849	5.024	ug/l	90
74) n-propylbenzene	12.59	91	72614	5.446	ug/l	98
75) 2-Chlorotoluene	12.67	91	45371	5.486	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	56157	5.403	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	4377	4.652	ug/l	92
78) 4-Chlorotoluene	12.77	91	40437	5.235	ug/l	97
79) tert-butylbenzene	12.99	119	49971	5.427	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	53381	5.280	ug/l	99
81) sec-Butylbenzene	13.17	105	62920	5.402	ug/l	97
82) p-Isopropyltoluene	13.29	119	53182	5.050	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	25469	4.873	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	23493	4.719	ug/l	100
85) n-Butylbenzene	13.61	91	40736	5.183	ug/l	96
86) Hexachloroethane	13.87	117	7487	4.560	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	26977	5.078	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	3567	5.965	ug/l	88
89) 1,2,4-Trichlorobenzene	14.91	180	10564	4.077	ug/l	96
90) Hexachlorobutadiene	15.00	225	9862	5.085	ug/l	97
91) Naphthalene	15.13	128	29140	4.130	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	12499	4.495	ug/l	100

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 10:34:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

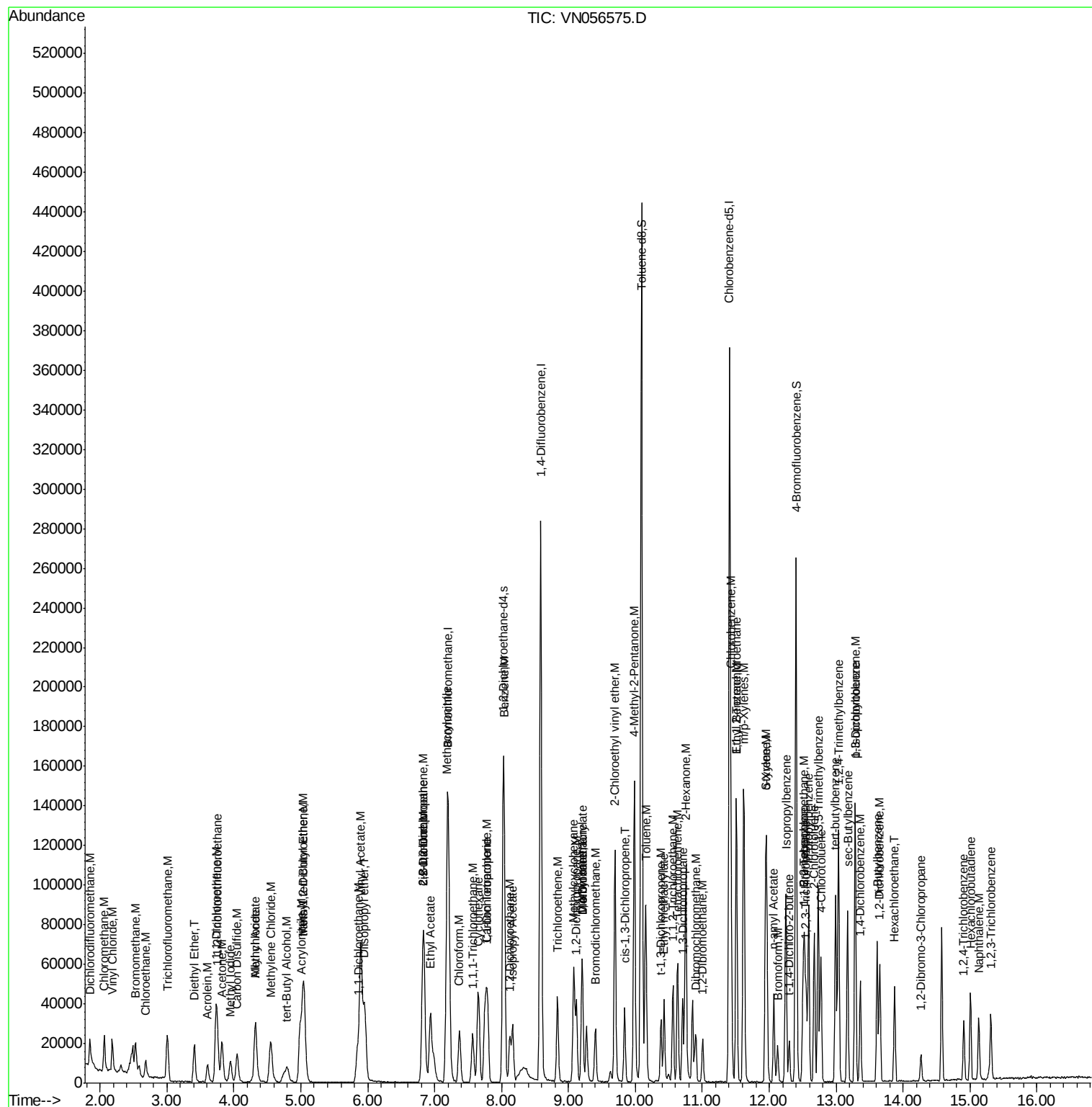
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Data File : VN056575.D
Acq On : 3 Jul 2019 9:10
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

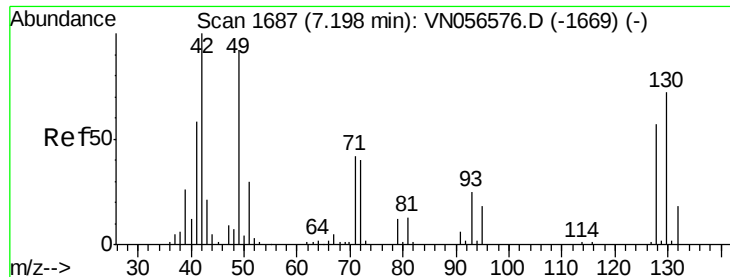
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

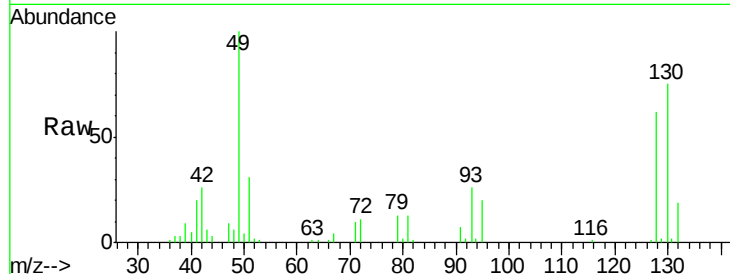
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	49167
Ion	Ratio	Lower	Upper
128	100		
49	159.2	0.0	355.8
130	126.9	0.0	326.3

Manual Integrations
APPROVED

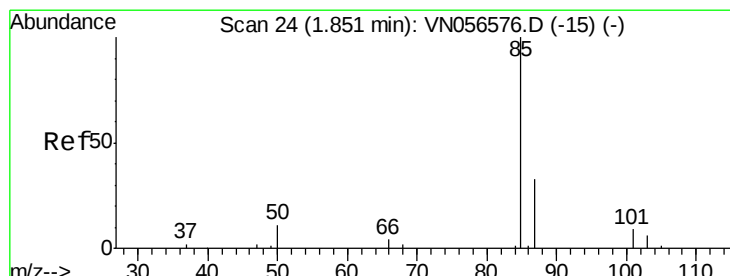
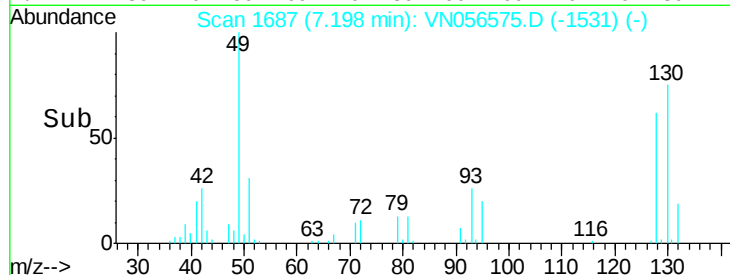
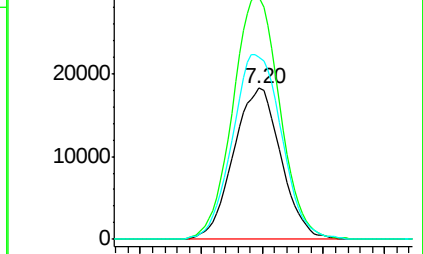
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.377 ug/l

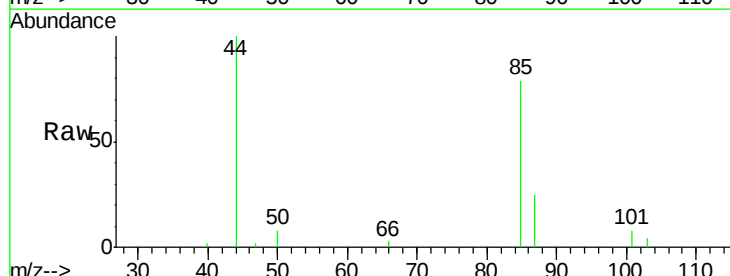
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056575.D

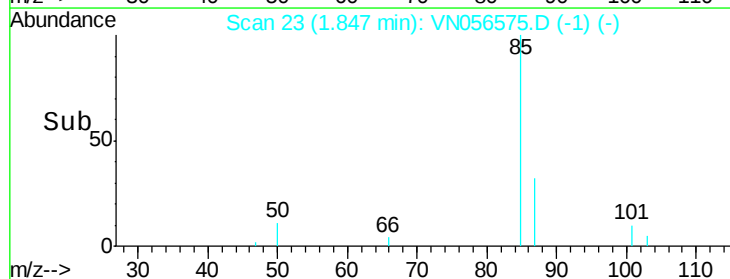
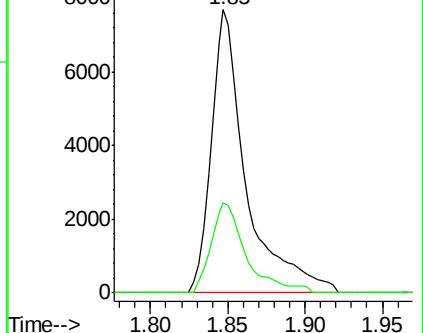
Acq: 3 Jul 2019 9:10

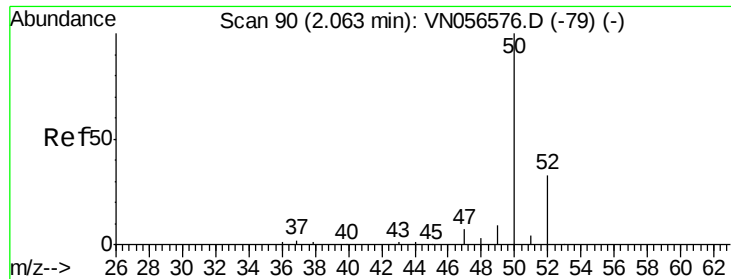
Tgt Ion:	85	Resp:	12105
Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.9	47.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 5.875 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 18983

Ion Ratio Lower Upper

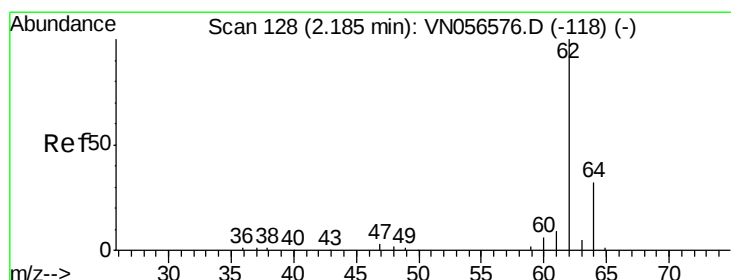
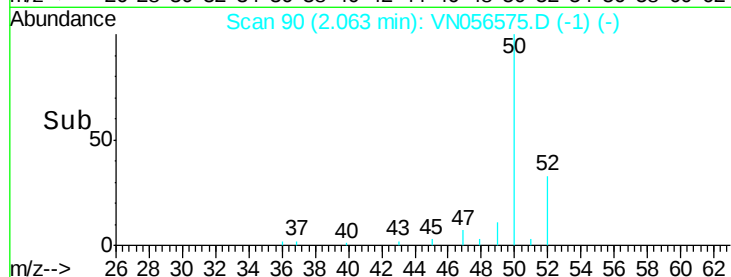
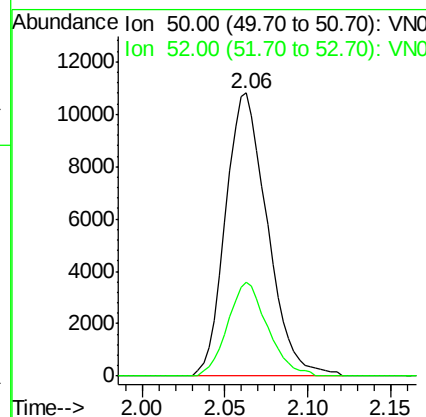
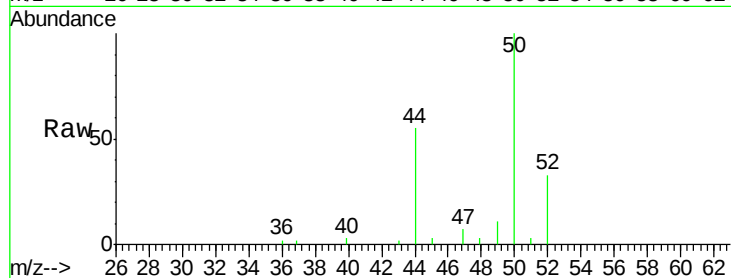
50 100

52 33.2 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.355 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056575.D

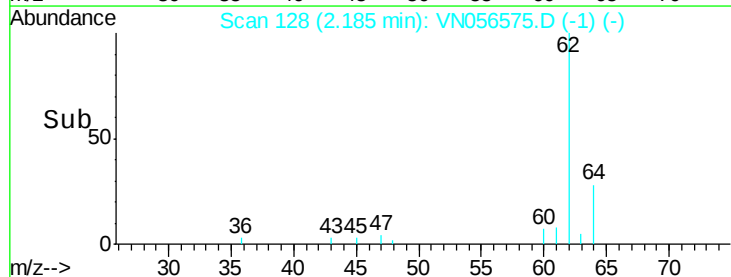
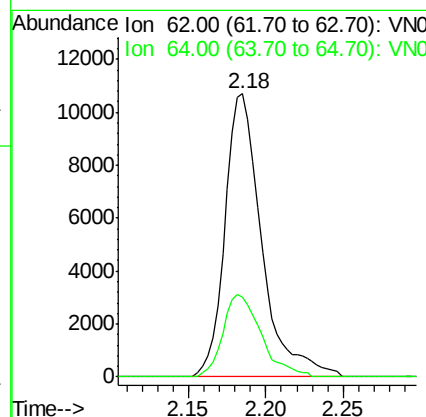
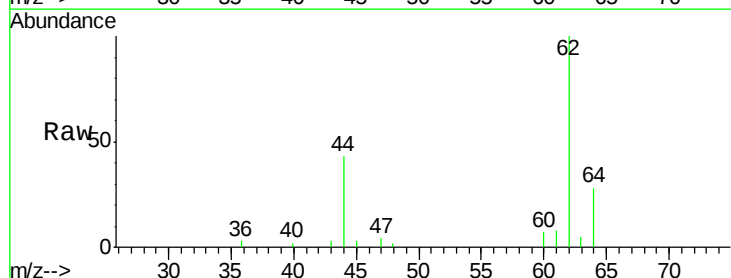
Acq: 3 Jul 2019 9:10

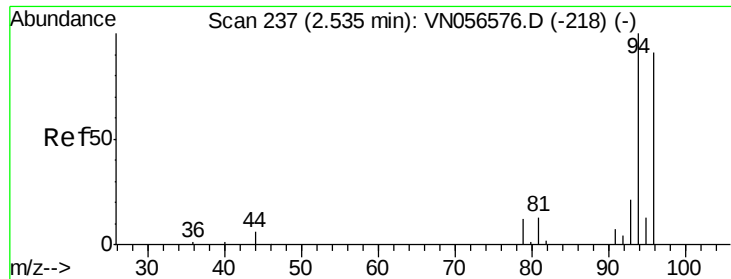
Tgt Ion: 62 Resp: 17642

Ion Ratio Lower Upper

62 100

64 28.3 25.8 38.8





#5

Bromomethane

Concen: 4.568 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 9458

Ion Ratio Lower Upper

94 100

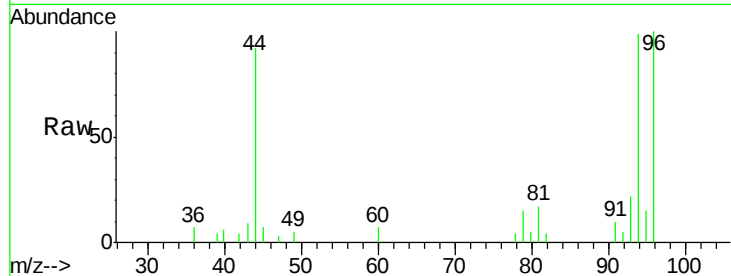
96 101.3 74.1 111.1

Manual Integrations

APPROVED

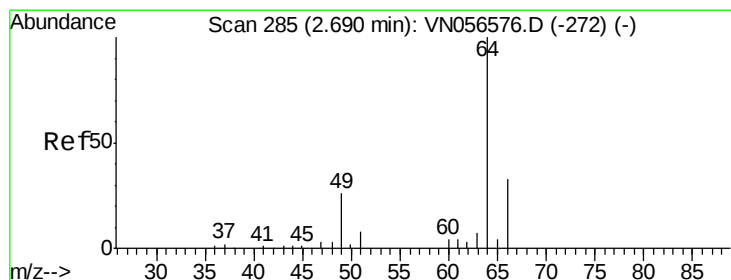
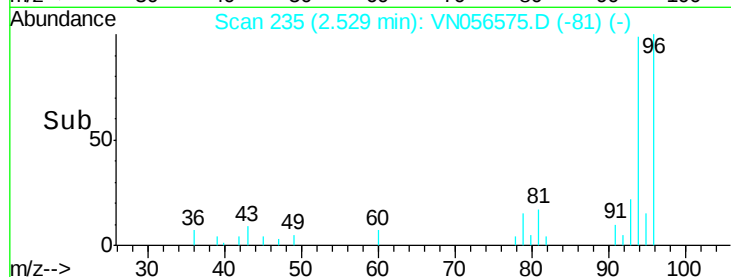
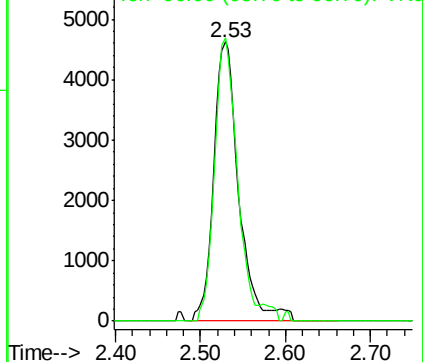
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 5.241 ug/l m

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056575.D

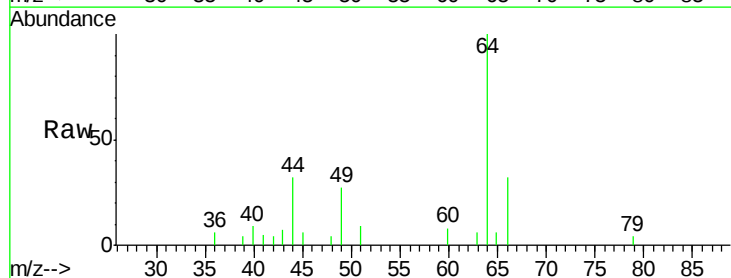
Acq: 3 Jul 2019 9:10

Tgt Ion: 64 Resp: 9765

Ion Ratio Lower Upper

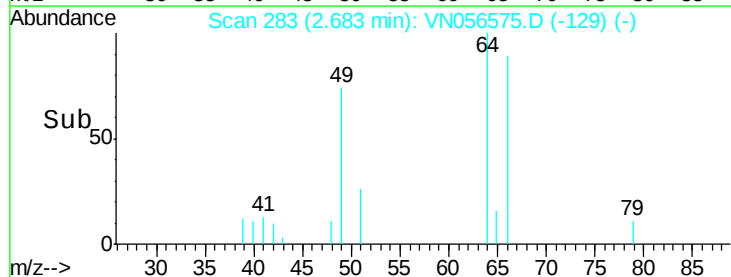
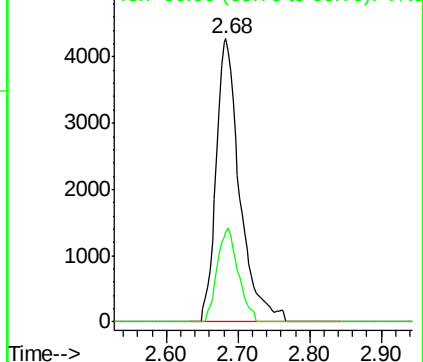
64 100

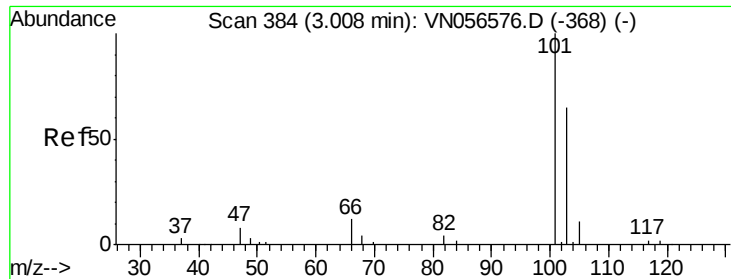
66 32.0 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

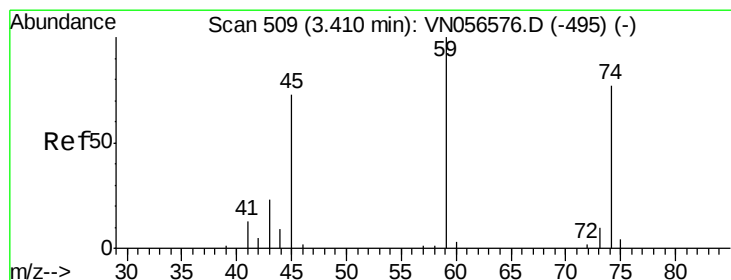
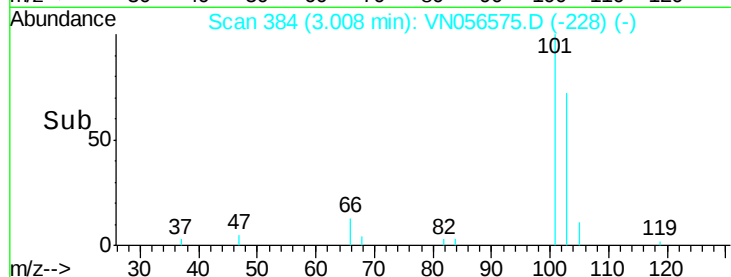
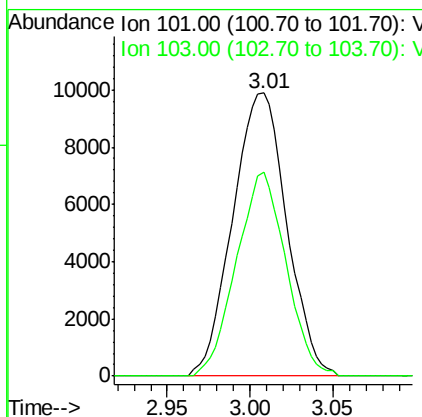
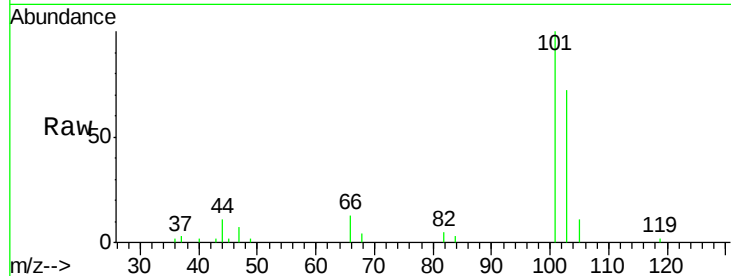
Trichlorofluoromethane
Concen: 5.514 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:101 Resp: 22473
Ion Ratio Lower Upper
101 100
103 72.0 53.4 80.0

Manual Integrations
APPROVED

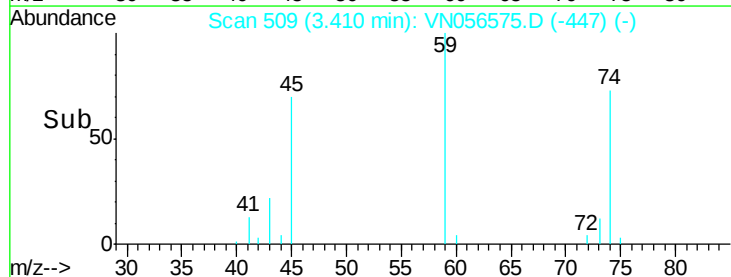
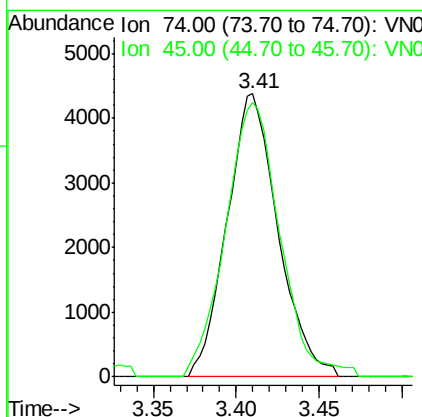
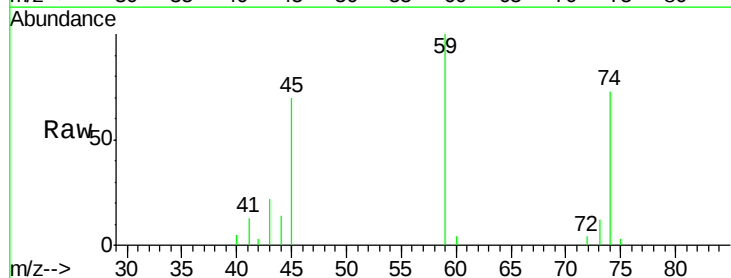
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7/8/2019 10:04:42 AM

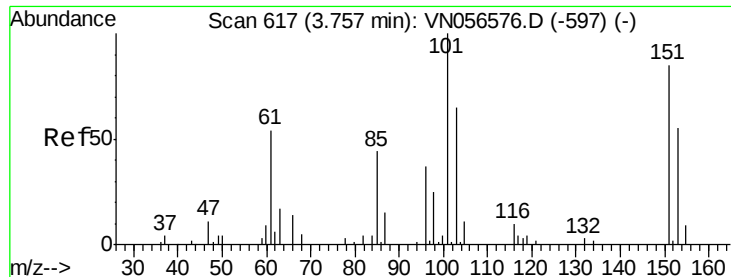


#8

Diethyl Ether
Concen: 5.415 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 74 Resp: 9361
Ion Ratio Lower Upper
74 100
45 102.6 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.776 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

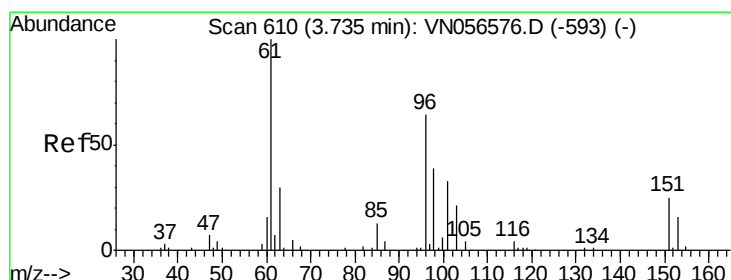
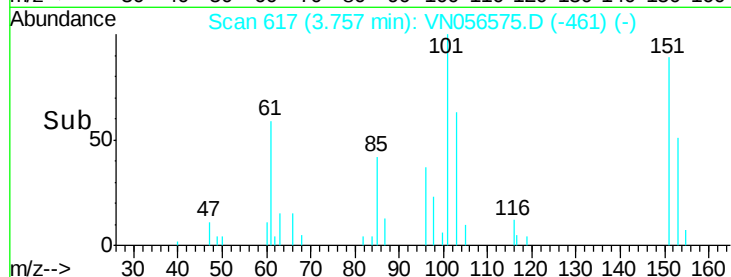
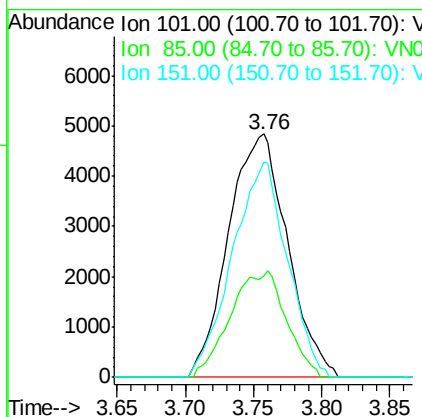
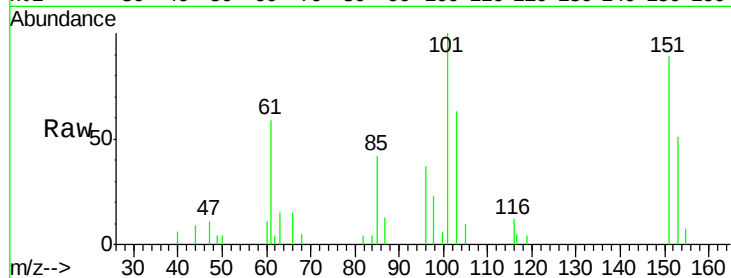
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14532
Ion Ratio	Lower	Upper	
101	100		
85	22.8	0.0	82.0
151	82.5	0.0	177.0

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#10

1,1-Dichloroethene

Concen: 5.267 ug/l

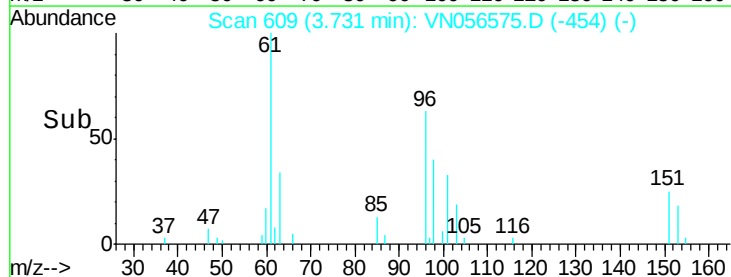
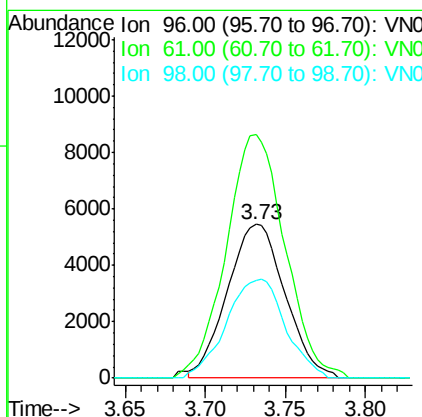
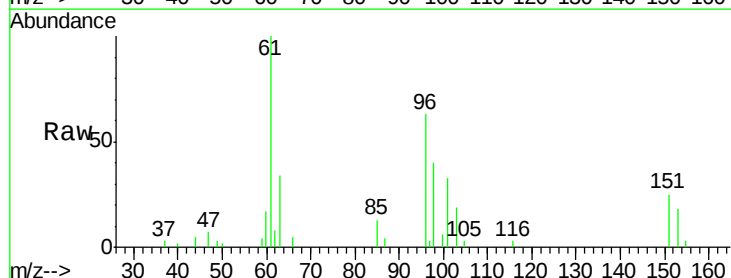
RT: 3.73 min Scan# 609

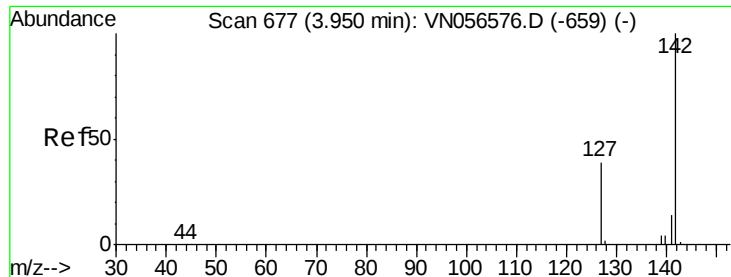
Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Tgt Ion:	96	Resp:	13519
Ion Ratio	Lower	Upper	
96	100		
61	153.5	119.7	179.5
98	63.6	52.3	78.5





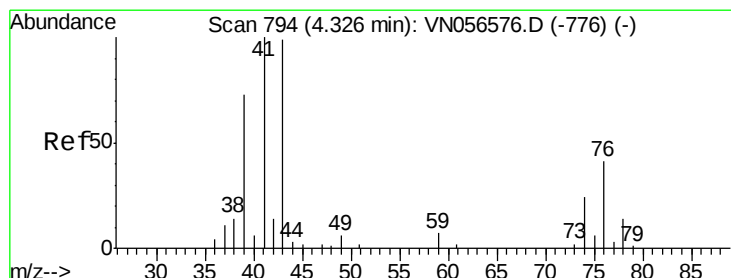
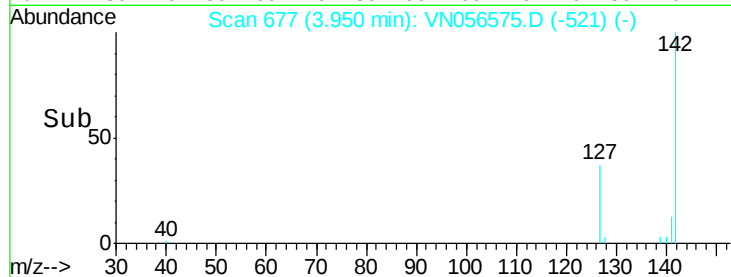
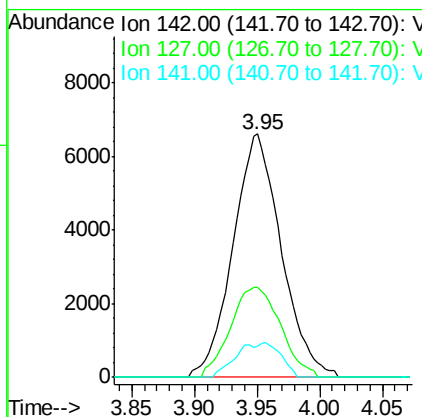
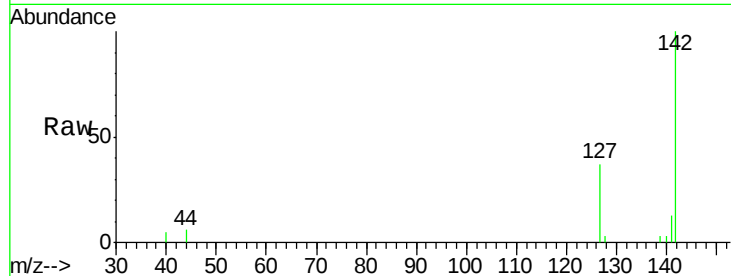
#11
Methyl Iodide
Concen: 4.368 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.3	19.0	57.0
141	12.6	6.7	20.0

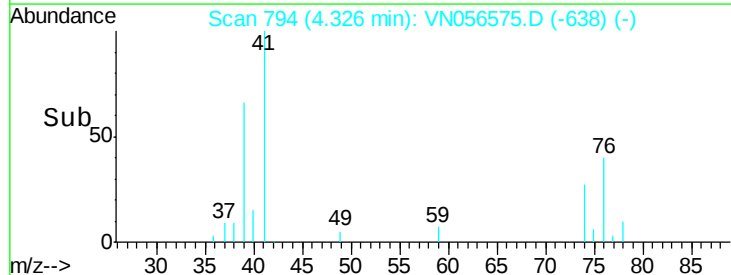
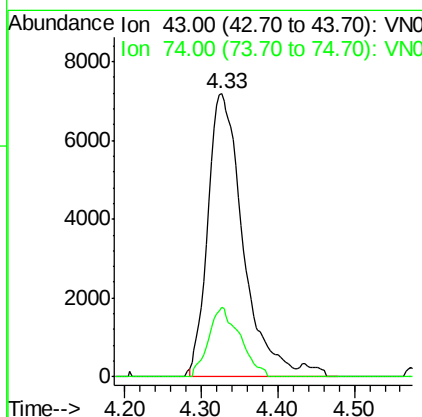
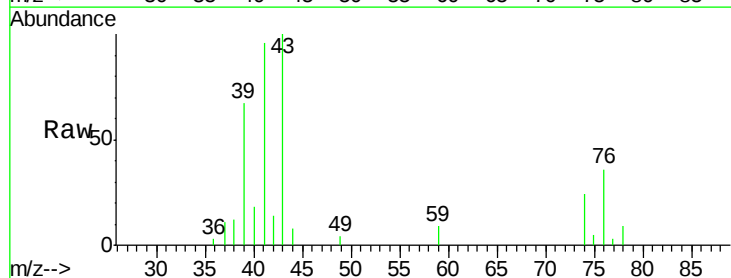
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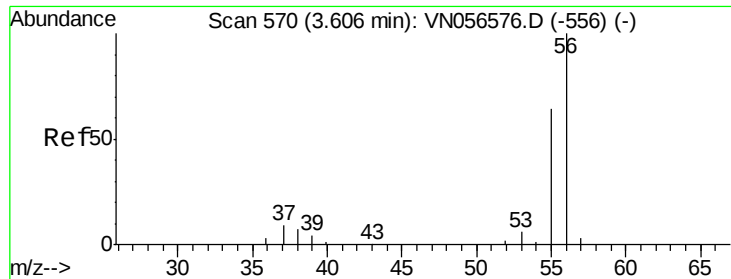
MMDadoda
7/8/2019 10:04:42 AM



#12
Methyl Acetate
Concen: 7.535 ug/l m
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.9	29.9





#13

Acrolein

Concen: 69.930 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10512

Ion Ratio Lower Upper

56 100

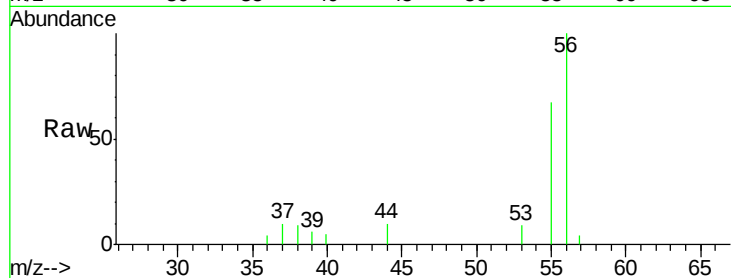
55 67.3 57.9 86.9

Manual Integrations

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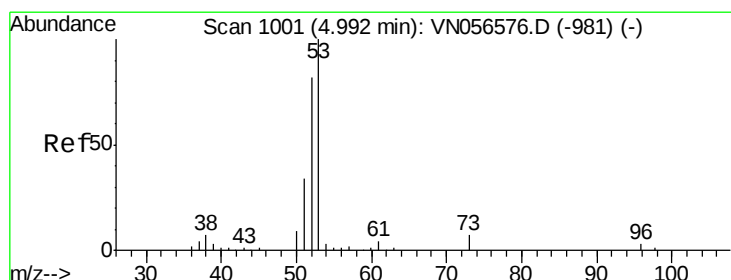
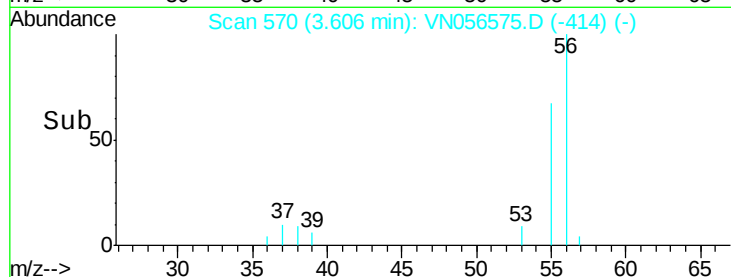
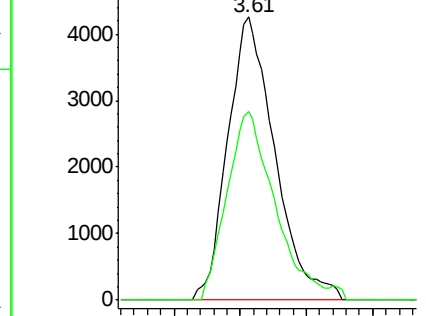
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 28.150 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

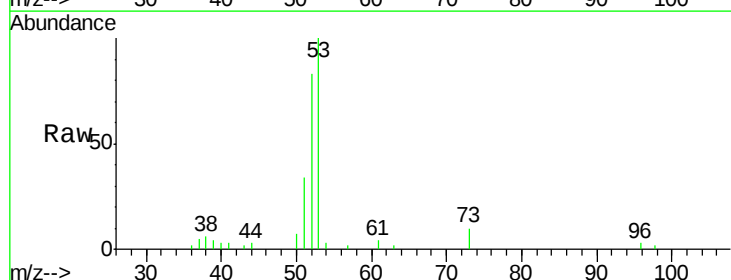
Tgt Ion: 53 Resp: 38717

Ion Ratio Lower Upper

53 100

52 85.0 40.8 122.2

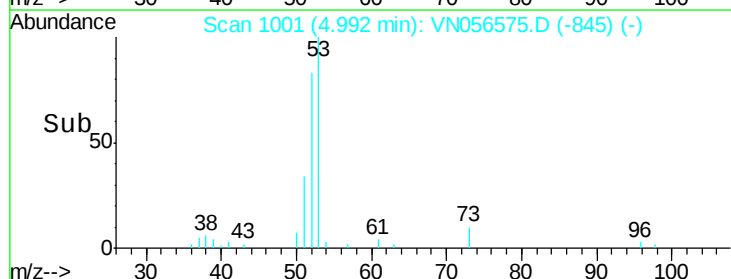
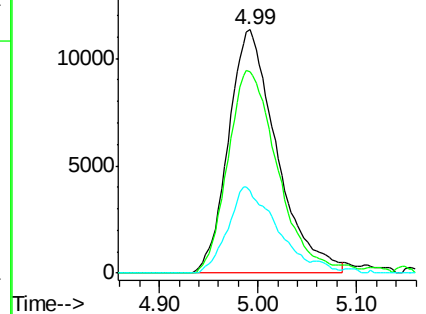
51 34.7 17.3 52.0

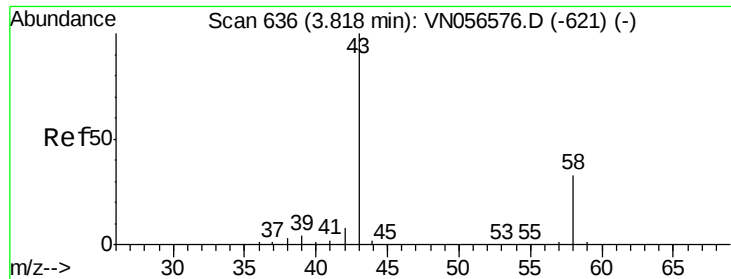


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 25.914 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 58 Resp: 11670

Ion Ratio Lower Upper

58 100

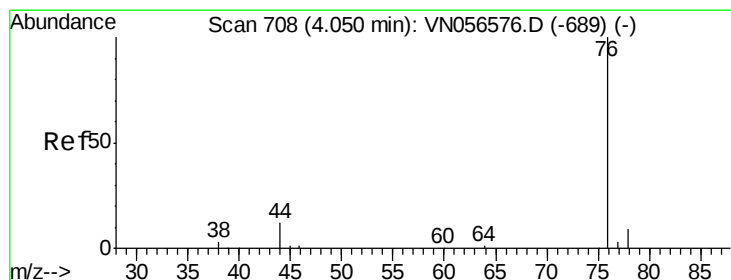
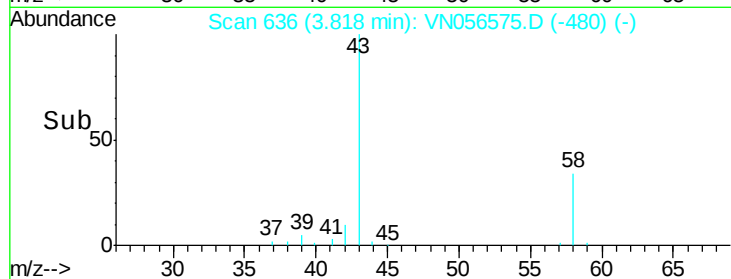
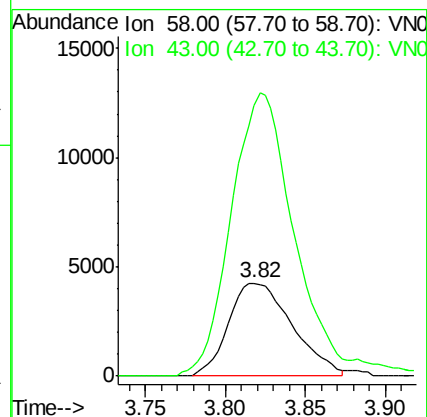
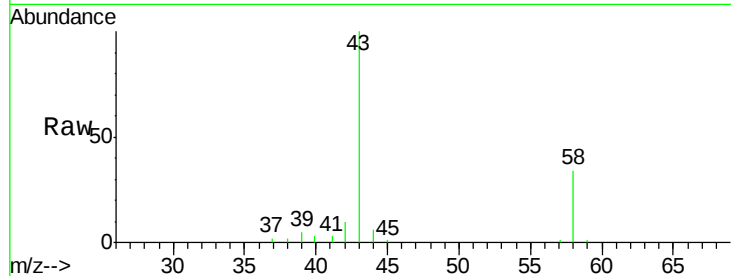
43 281.7 232.5 348.7

Manual Integrations

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#16

Carbon Disulfide

Concen: 4.888 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056575.D

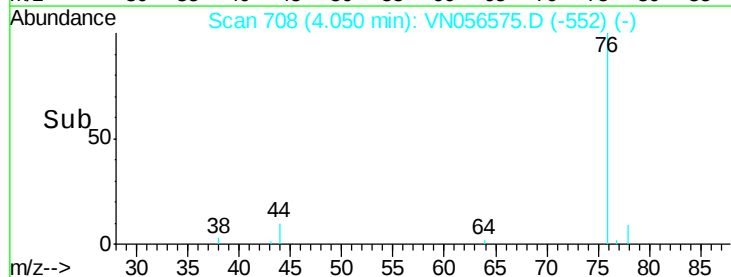
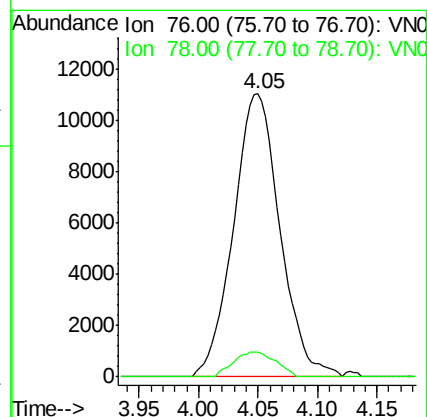
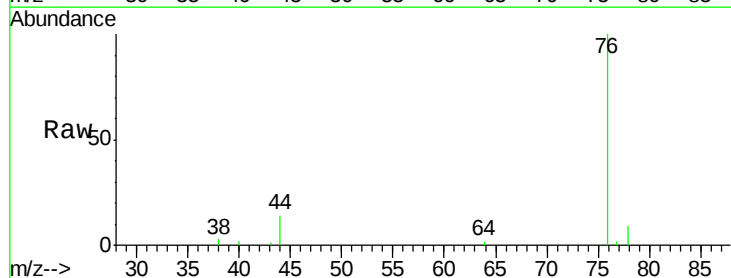
Acq: 3 Jul 2019 9:10

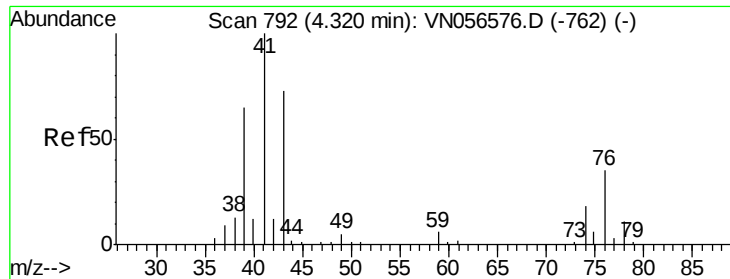
Tgt Ion: 76 Resp: 29850

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





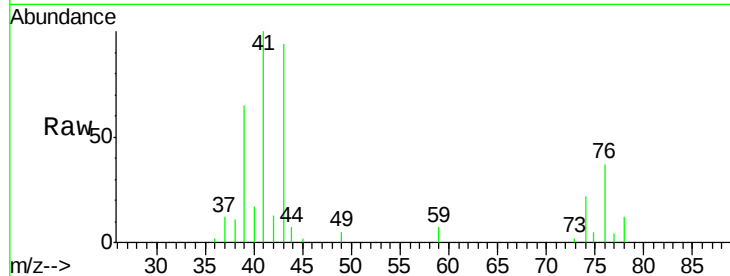
#17
Allvl chloride
Concen: 5.811 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	23107
Ion	Ratio	Lower	Upper
41	100		
39	64.9	33.0	99.0
76	36.7	18.9	56.9

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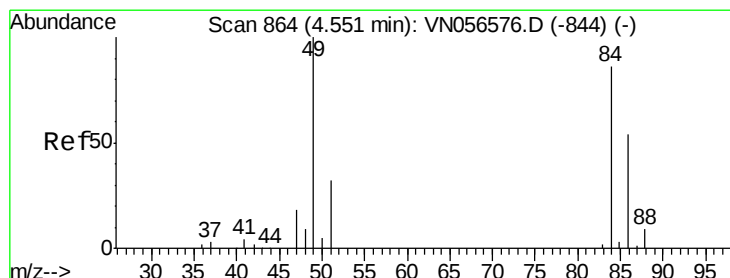
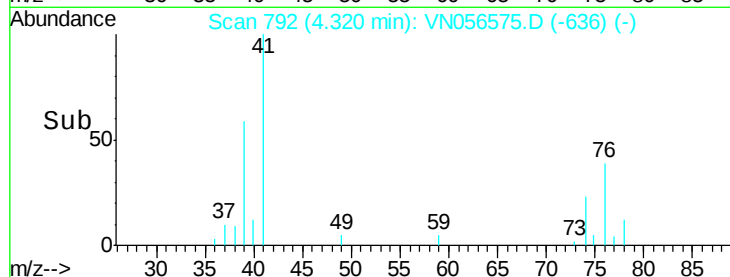
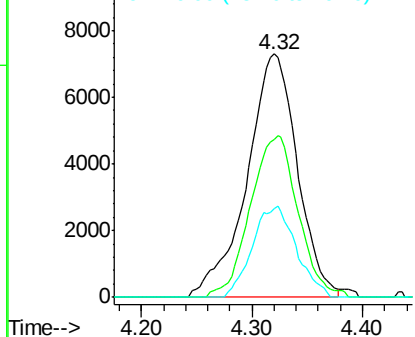


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18
Methylene Chloride
Concen: 5.780 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion:	84	Resp:	17173
Ion	Ratio	Lower	Upper
84	100		
49	106.5	87.6	131.4
51	32.9	27.0	40.4
86	62.5	51.2	76.8

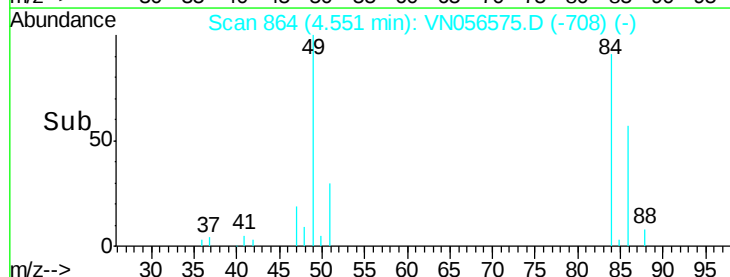
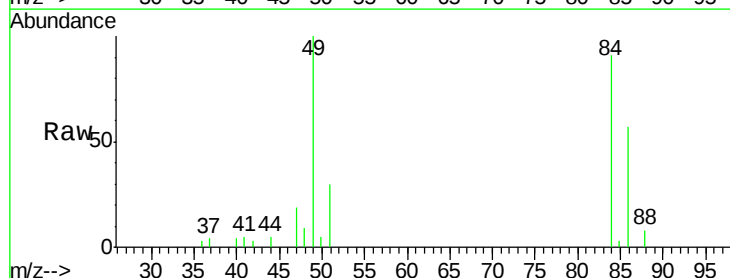
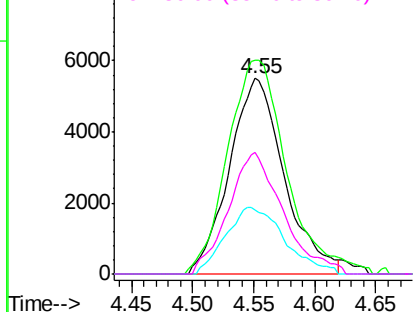
Abundance

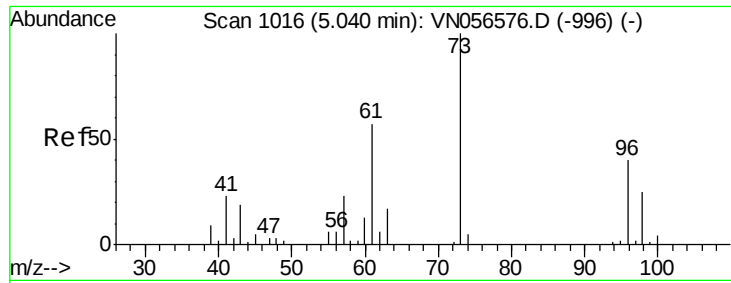
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





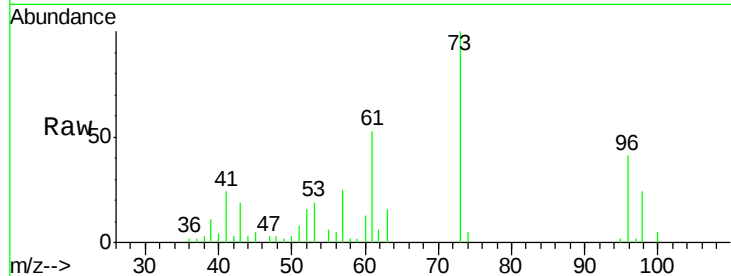
#19
trans-1,2-Dichloroethene
Concen: 5.590 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	102.5	153.7
98	58.9	46.9	70.3

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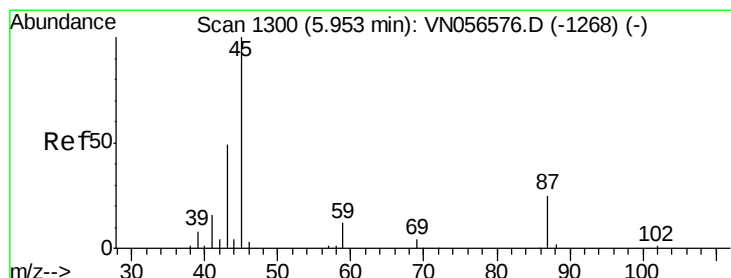
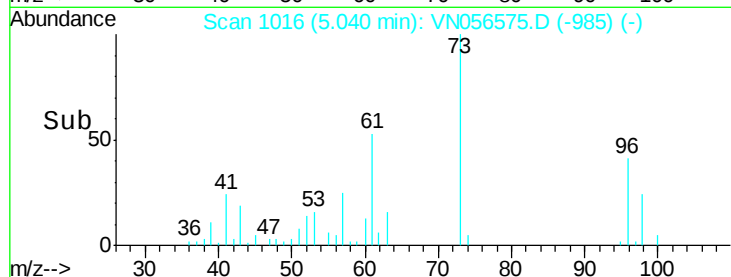
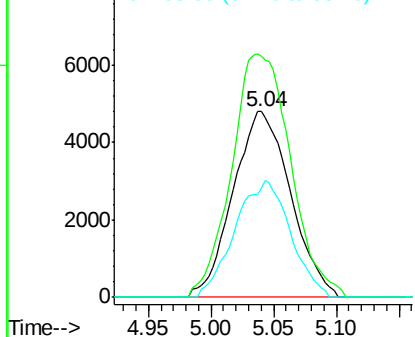


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 6.029 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.4	48.0	72.0
87	31.1	23.4	35.2
59	12.6	9.2	13.8

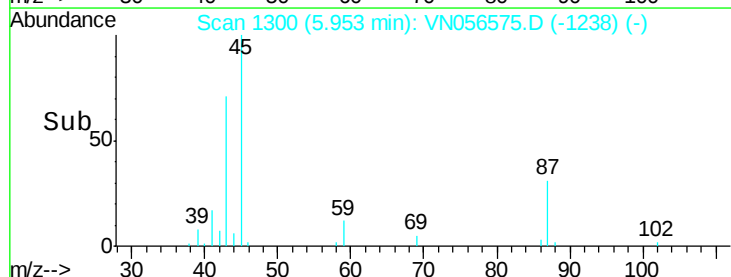
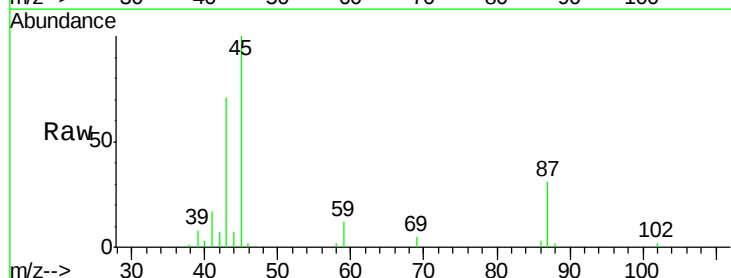
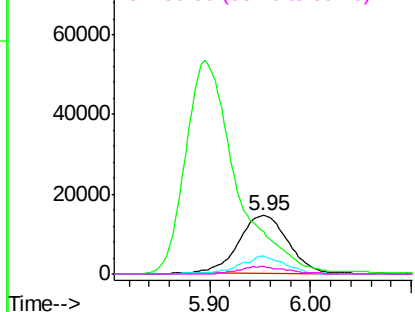
Abundance

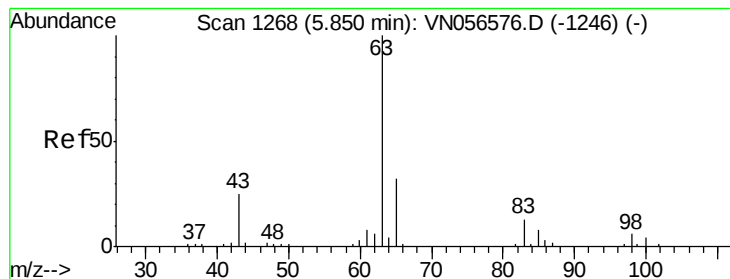
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 5.920 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

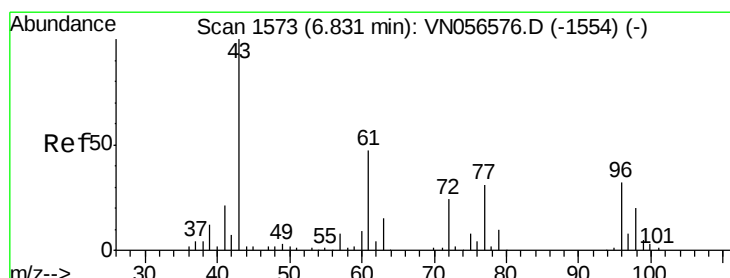
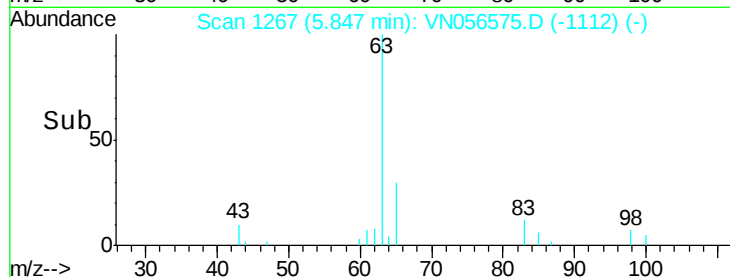
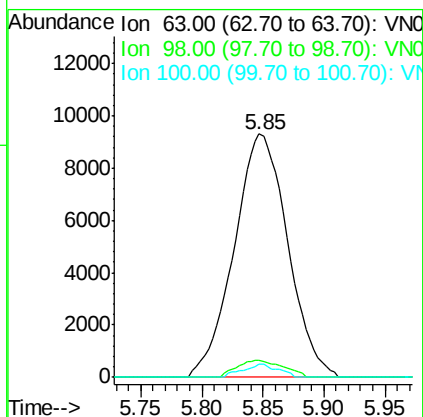
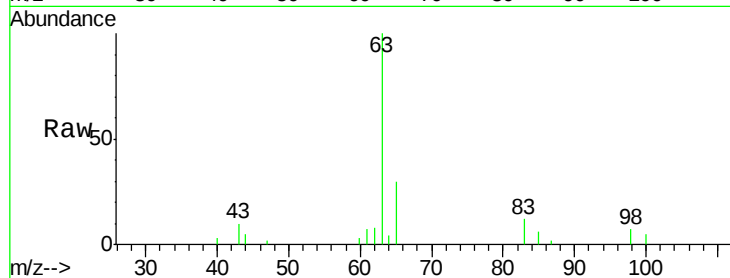
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	28347
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.5	10.5
100	5.4	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 5.595 ug/l

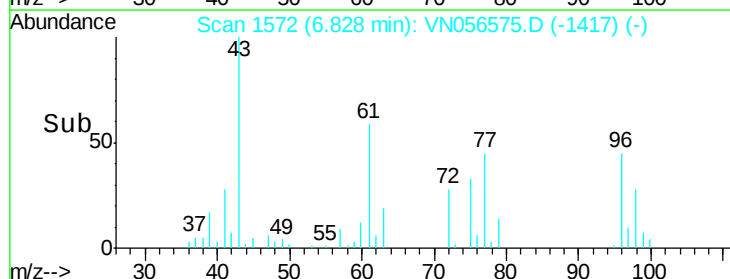
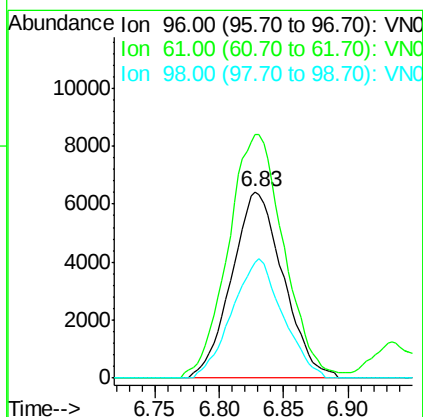
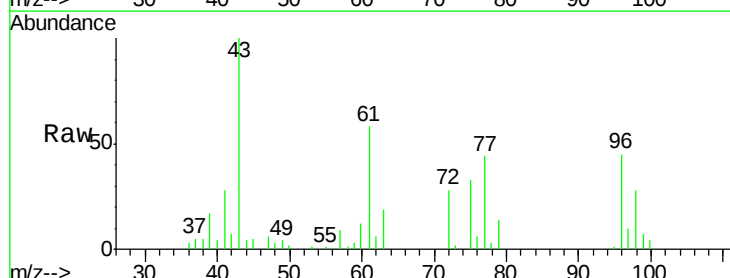
RT: 6.83 min Scan# 1572

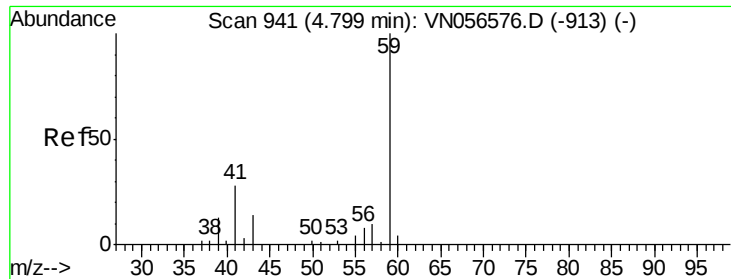
Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Tgt Ion:	96	Resp:	17890
Ion Ratio	Lower	Upper	
96	100		
61	141.0	105.7	158.5
98	62.6	52.0	78.0





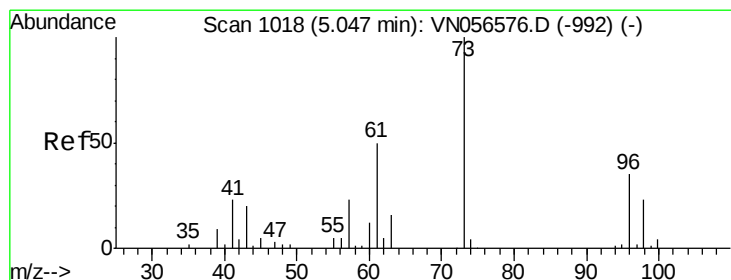
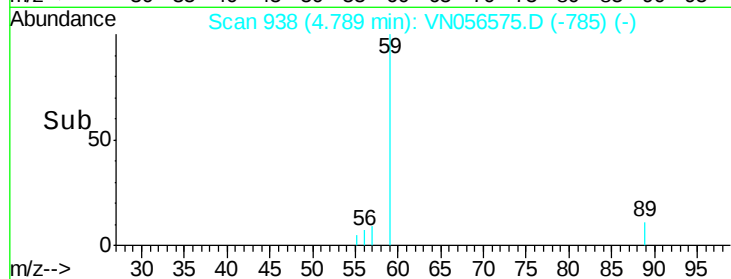
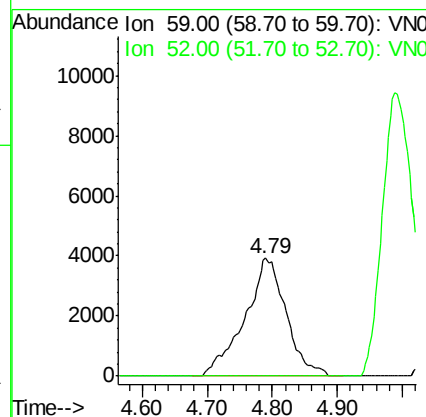
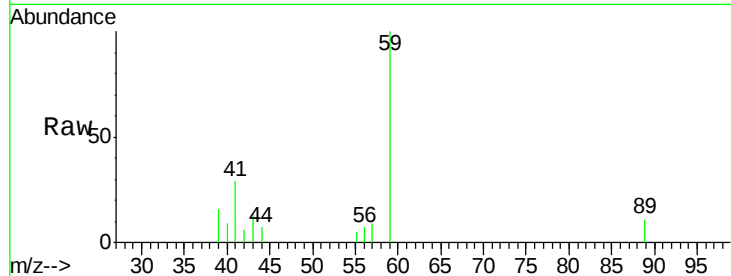
#23
tert-Butyl Alcohol
Concen: 32.432 ug/l m
RT: 4.79 min Scan# 938
Delta R.T. -0.01 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 59 Resp: 17362
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

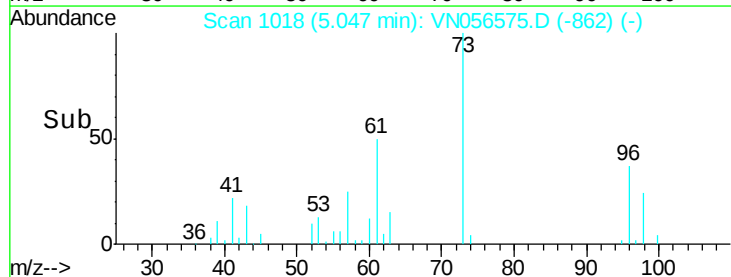
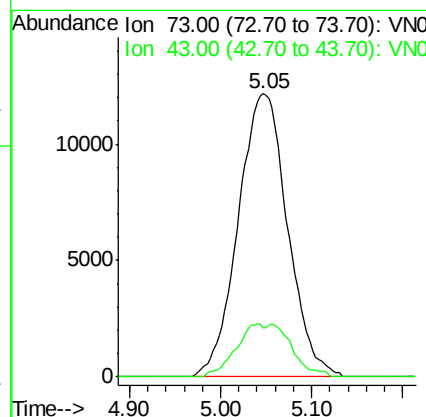
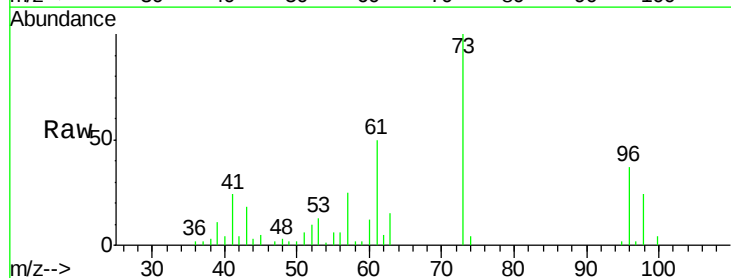
Manual Integrations
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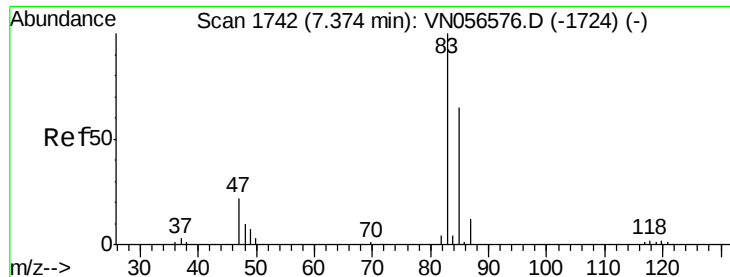
MMDadoda
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#24
Methyl tert-Butyl Ether
Concen: 5.601 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 73 Resp: 45809
Ion Ratio Lower Upper
73 100
43 11.2 15.4 23.0#





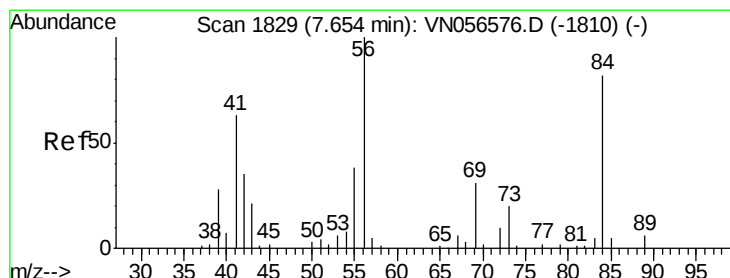
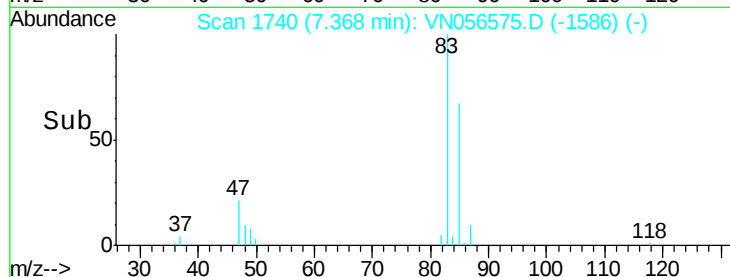
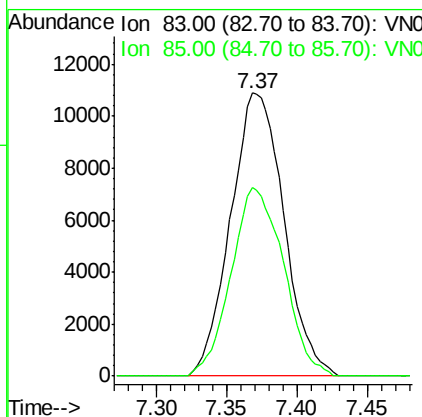
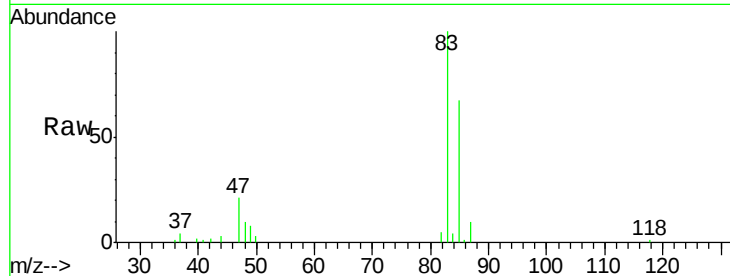
#25
Chloroform
Concen: 6.016 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	28762
Ion Ratio	100	Lower	Upper
83	100		
85	66.6	52.0	78.0

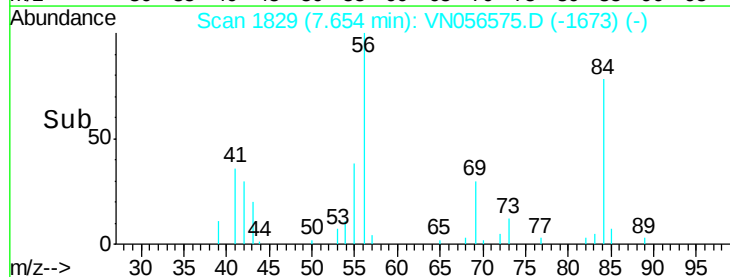
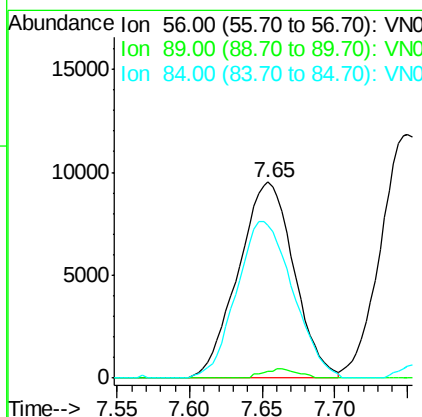
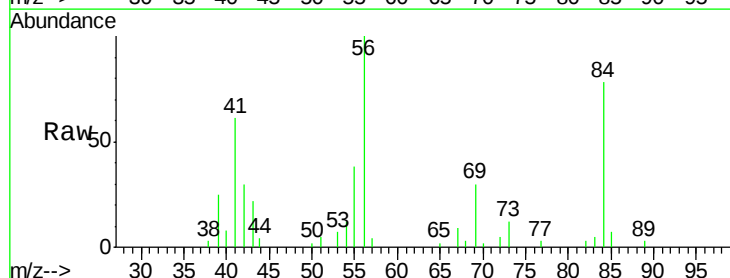
Manual Integrations
APPROVED

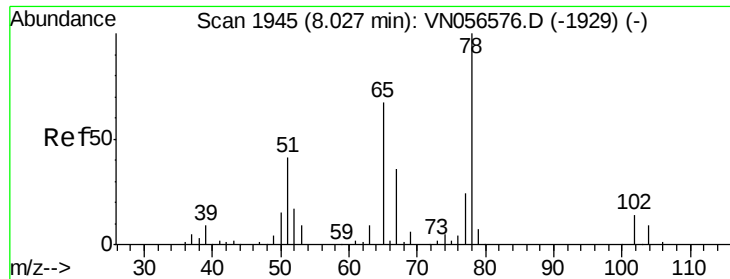
MMDadoda
7/8/2019 10:04:42 AM



#26
Cyclohexane
Concen: 5.745 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	56	Resp	25518
Ion Ratio	100	Lower	Upper
56	100		
89	2.7	0.0	0.0#
84	80.7	70.1	105.1





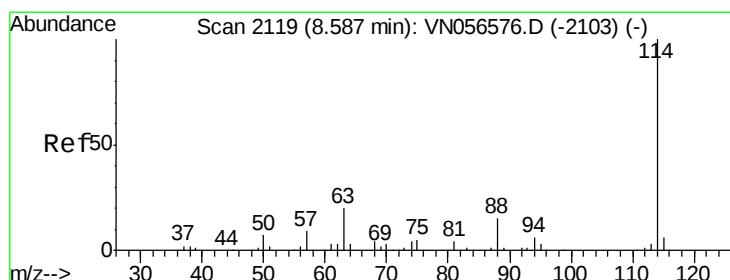
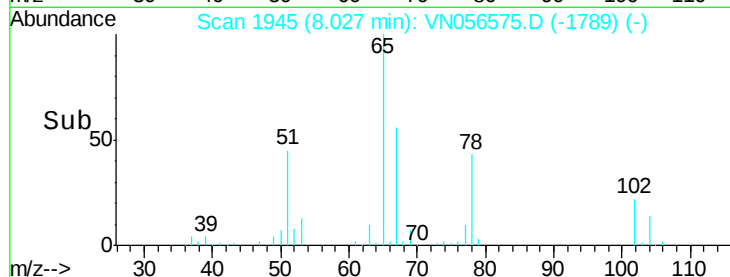
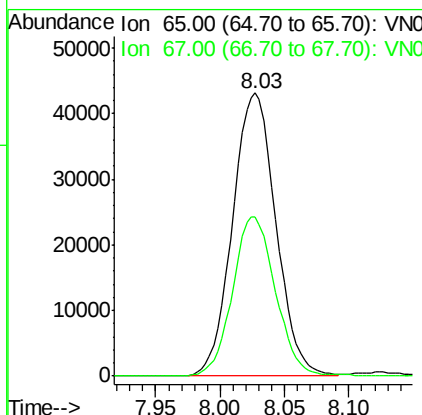
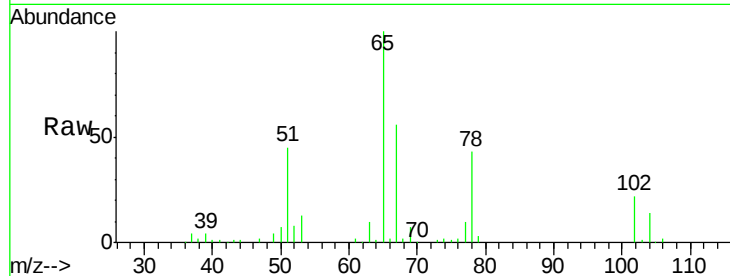
#27
 1,2-Dichloroethane-d4
 Concen: 33.100 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 101063
 Ion Ratio Lower Upper
 65 100
 67 55.4 43.4 65.2

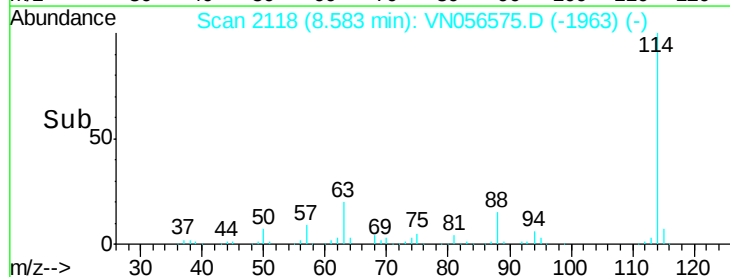
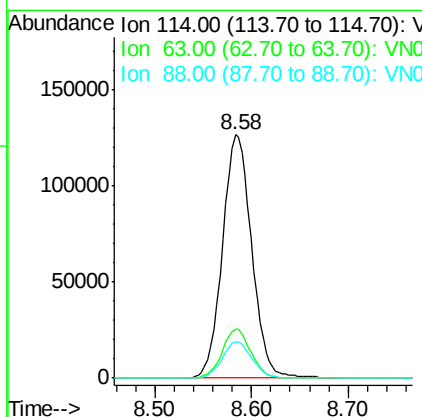
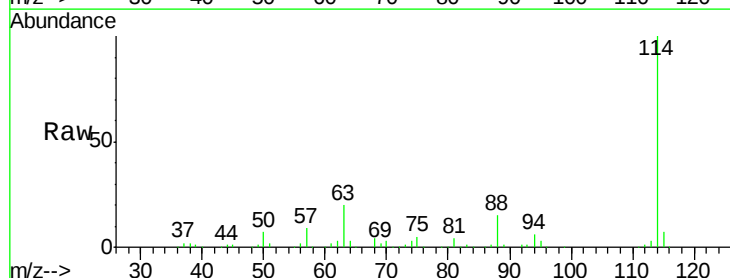
Manual Integrations
 APPROVED

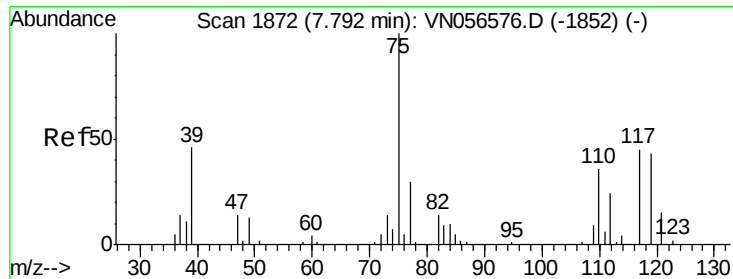
MMDadoda
 7/8/2019 10:04:42 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 114 Resp: 265232
 Ion Ratio Lower Upper
 114 100
 63 19.9 14.7 22.1
 88 15.2 11.9 17.9





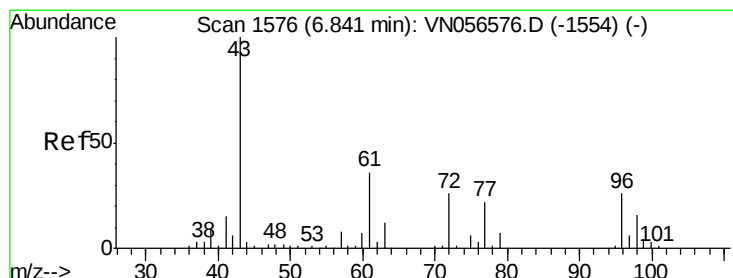
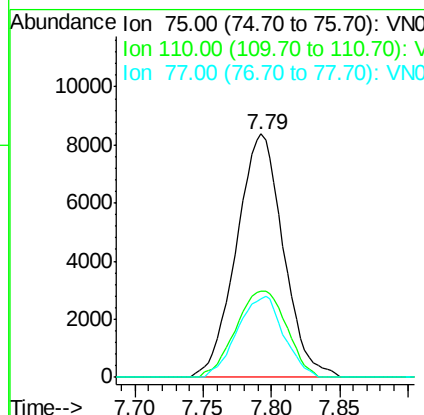
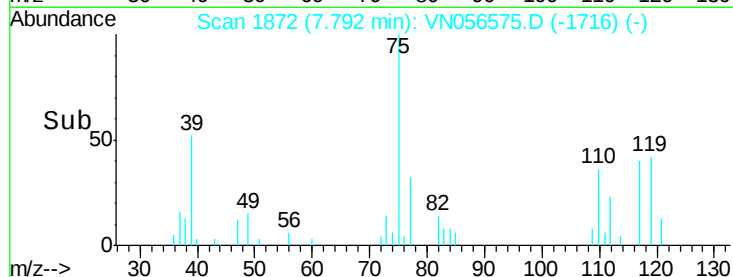
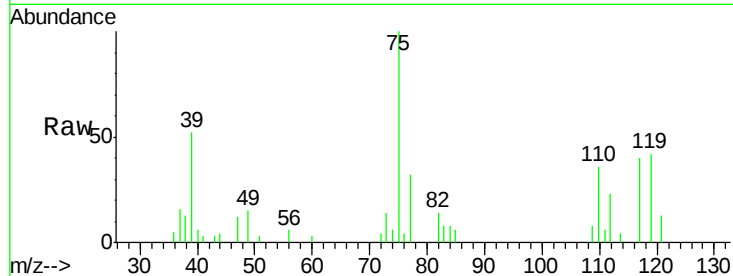
#29
 1,1-Dichloropropene
 Concen: 5.575 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.3	0.0	77.0
77	32.7	0.0	62.4

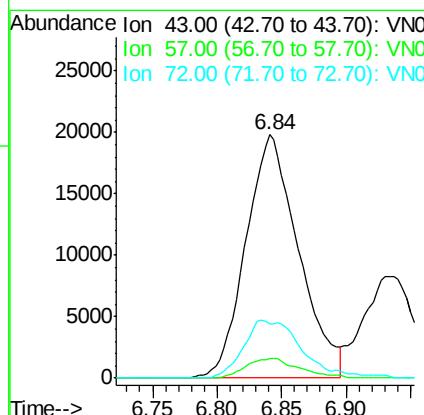
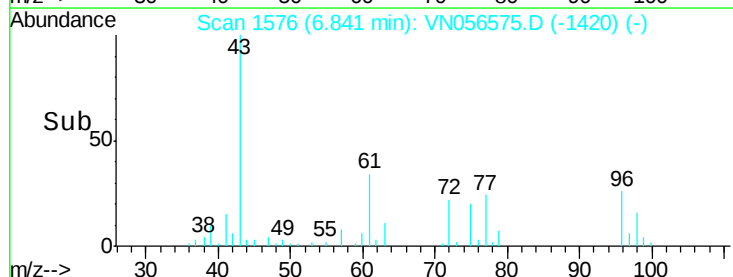
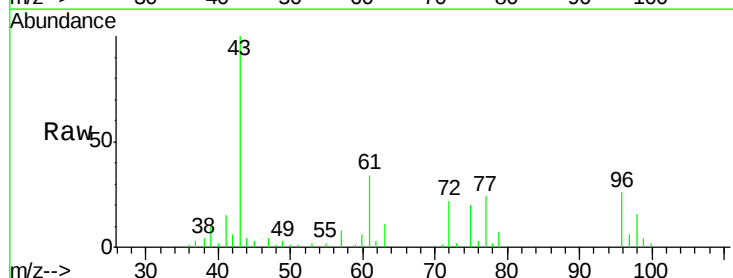
Manual Integrations
 APPROVED

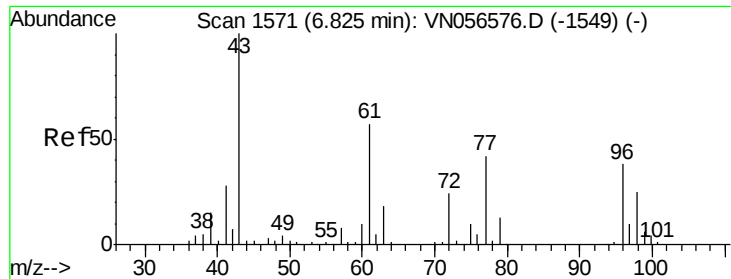
MMDadoda
 7/8/2019 10:04:42 AM



#30
 2-Butanone
 Concen: 29.810 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.7	10.1
72	12.0	22.4	33.6#





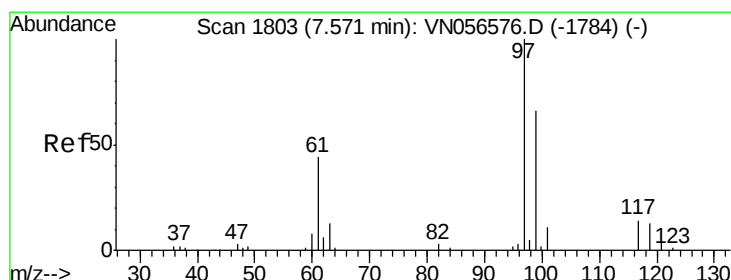
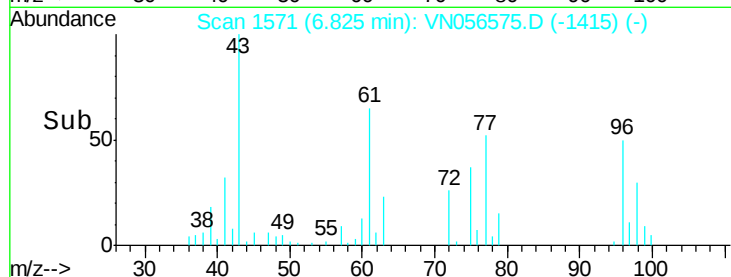
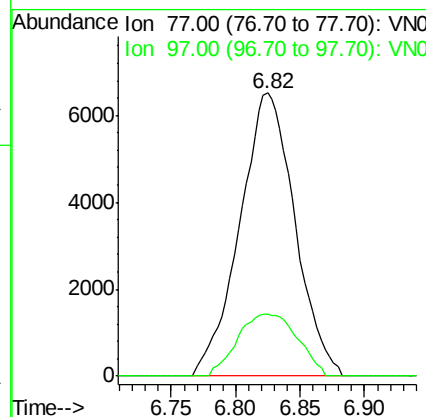
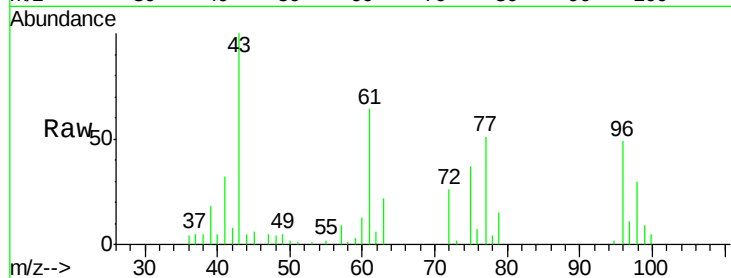
#31
 2,2-Dichloropropane
 Concen: 5.815 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 77 Resp: 19408
 Ion Ratio Lower Upper
 77 100
 97 23.7 20.8 31.2

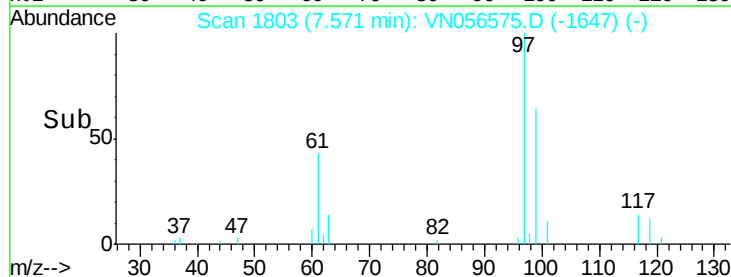
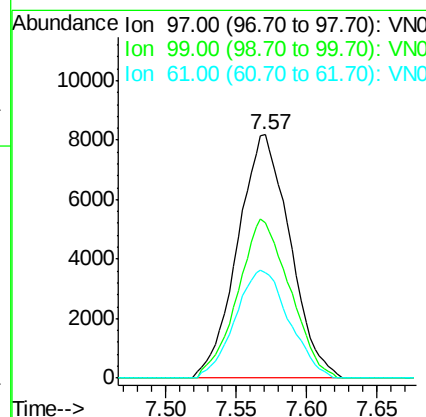
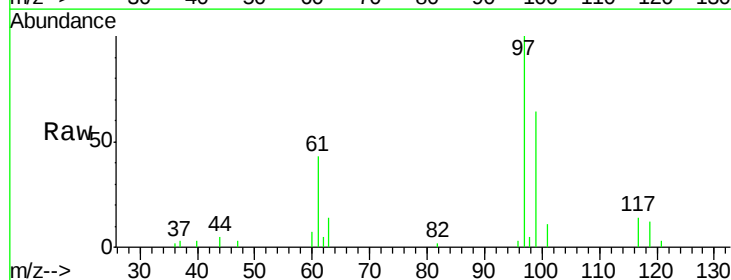
Manual Integrations
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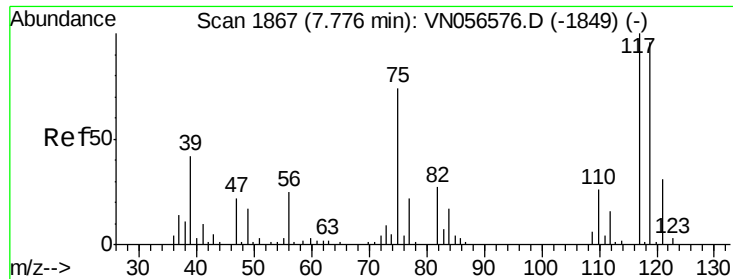
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#32
 1,1,1-Trichloroethane
 Concen: 5.358 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 97 Resp: 21237
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.5 77.3
 61 45.3 32.9 49.3





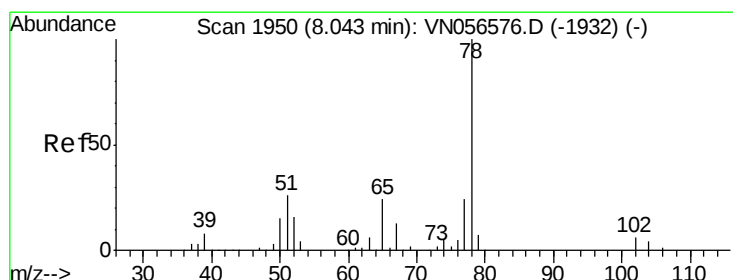
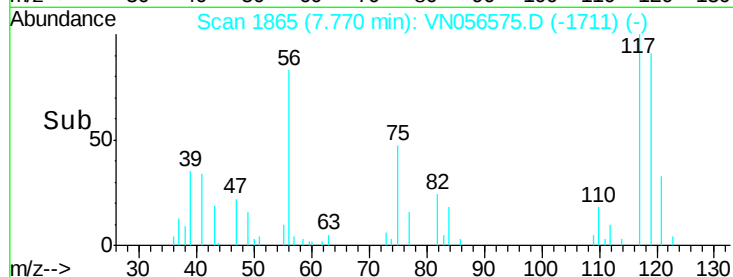
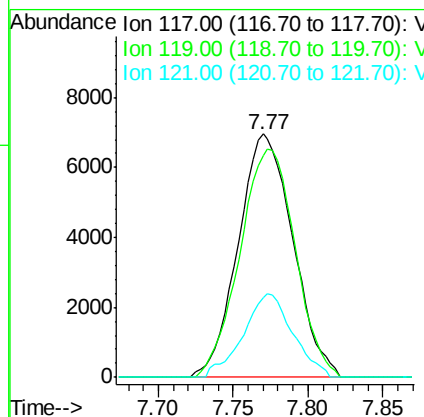
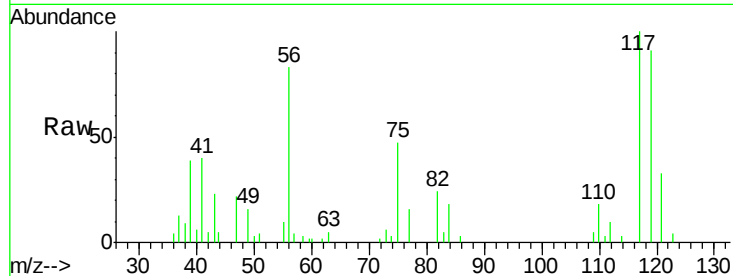
#33
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:117 Resp: 17708
Ion Ratio Lower Upper
117 100
119 90.9 77.3 115.9
121 32.5 25.0 37.4

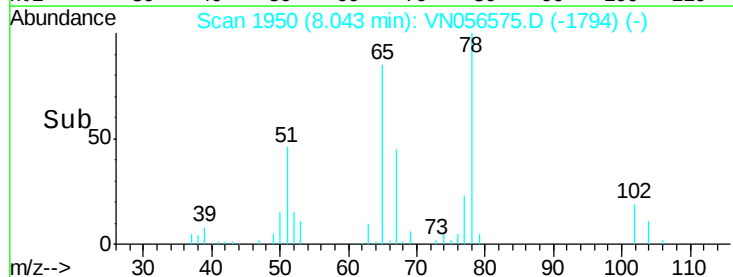
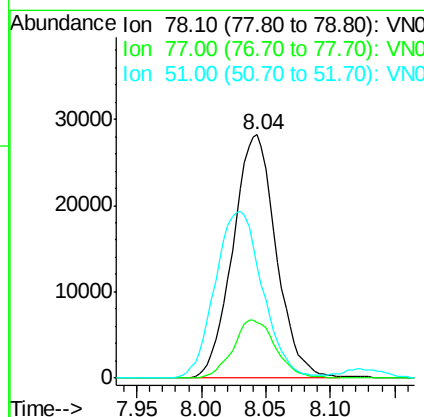
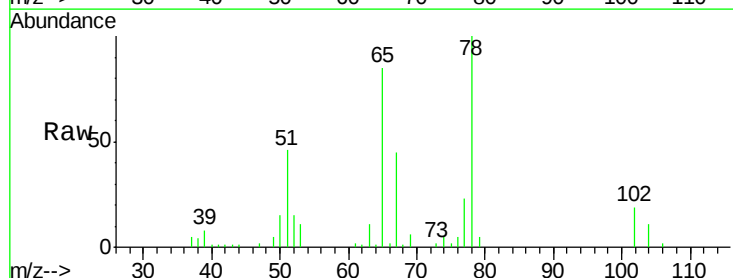
Manual Integrations
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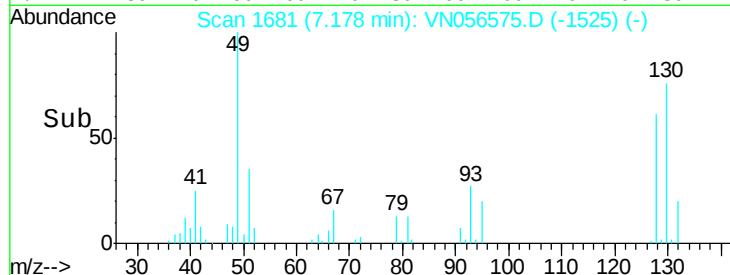
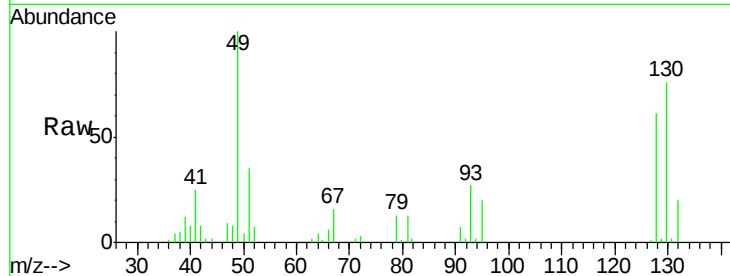
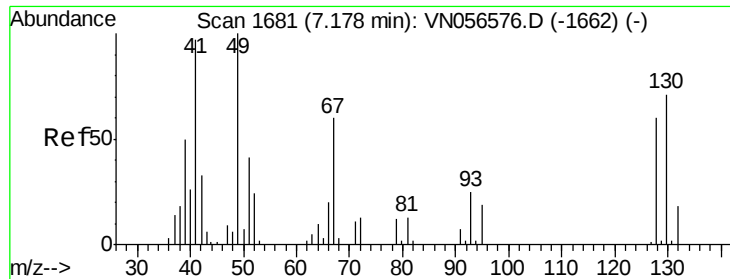
MMDadoda
7/8/2019 10:04:42 AM



#34
Benzene
Concen: 5.767 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 78 Resp: 65927
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9
51 44.0 19.8 29.8#





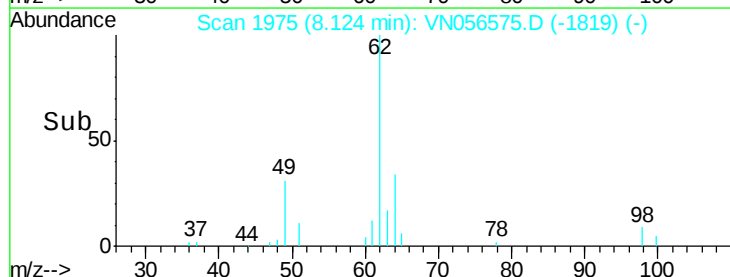
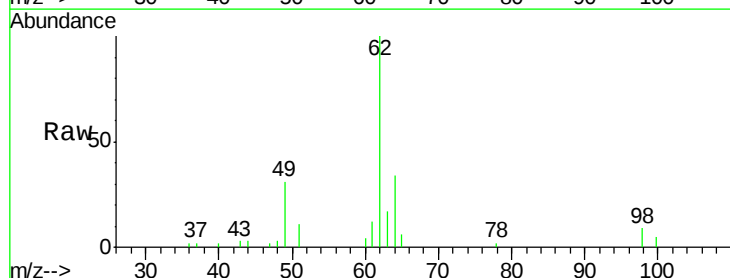
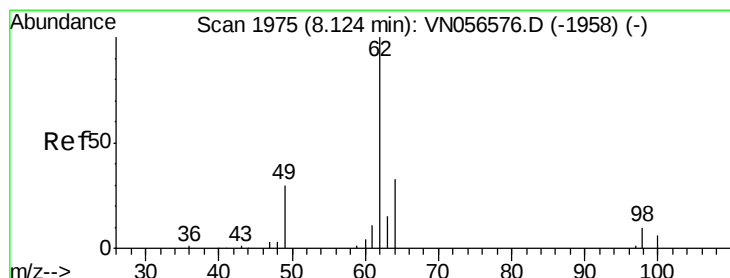
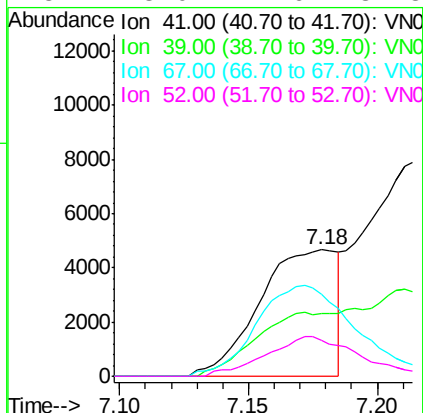
#35
Methacrylonitrile
Concen: 6.163 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.5	24.8	74.3	
67	64.4	34.3	102.9	
52	28.0	12.6	37.8	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

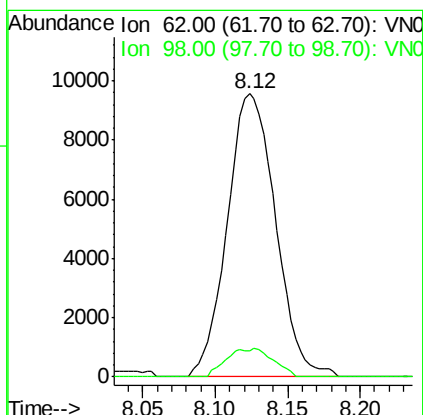
Manual Integrations
APPROVED

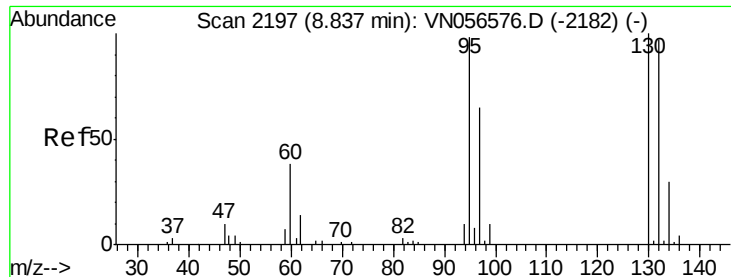
MMDadoda
7/8/2019 10:04:42 AM



#36
1,2-Dichloroethane
Concen: 6.179 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.3	8.6	13.0#	





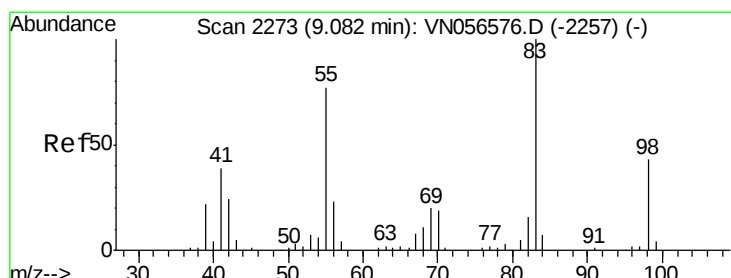
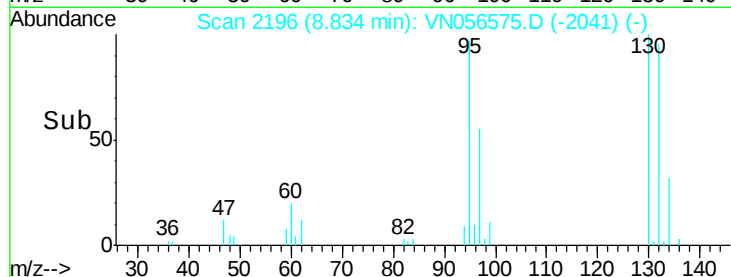
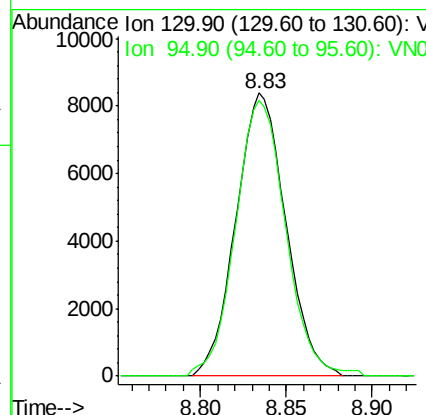
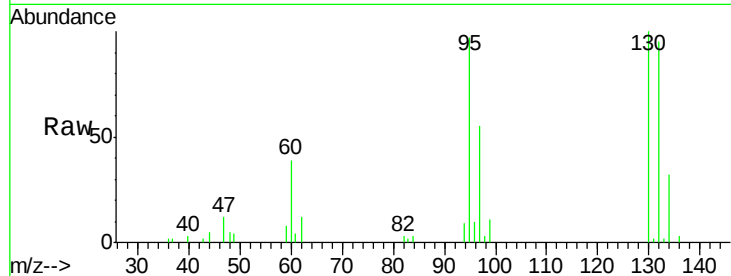
#37
 Trichloroethene
 Concen: 5.275 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 16872
 Ion Ratio Lower Upper
 130 100
 95 95.5 73.0 109.6

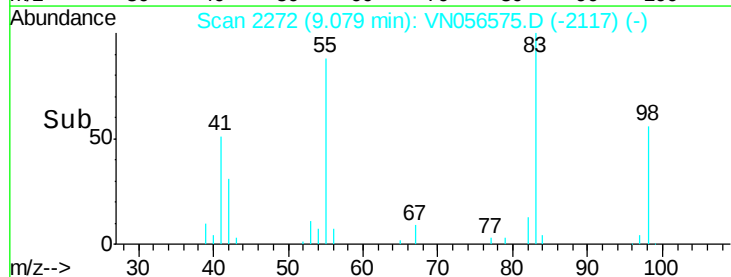
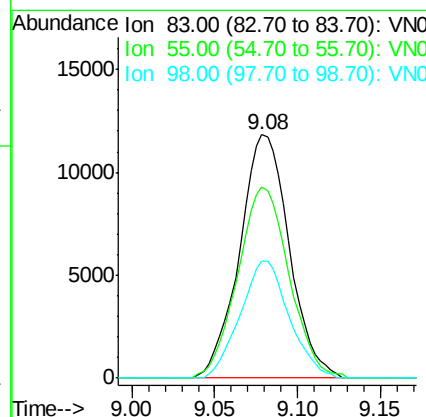
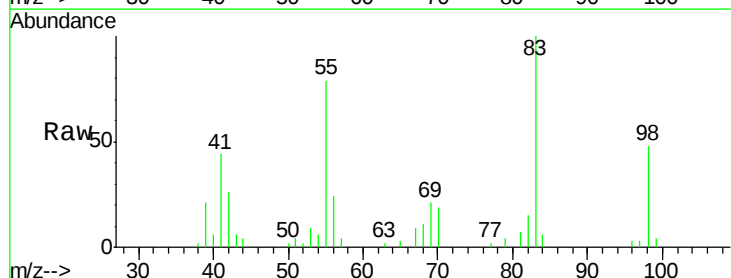
Manual Integrations
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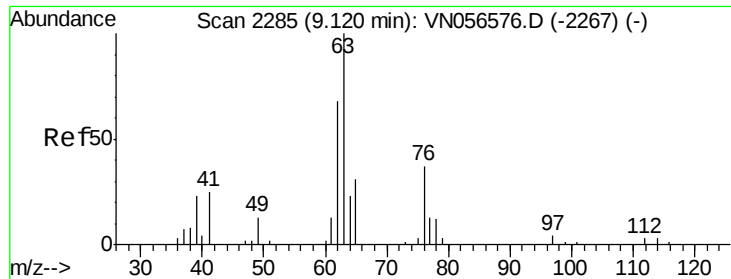
MMDadoda
 7/8/2019 10:04:42 AM



#38
 Methylcyclohexane
 Concen: 5.416 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 83 Resp: 24636
 Ion Ratio Lower Upper
 83 100
 55 81.2 37.5 112.7
 98 47.4 23.1 69.3





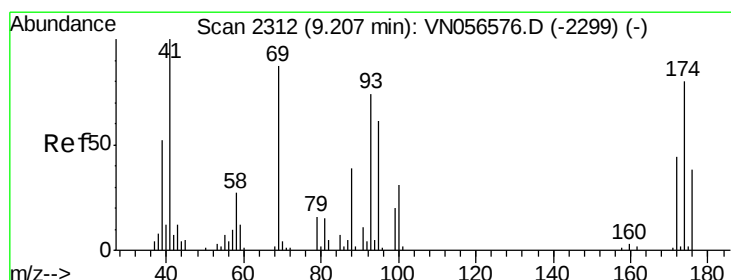
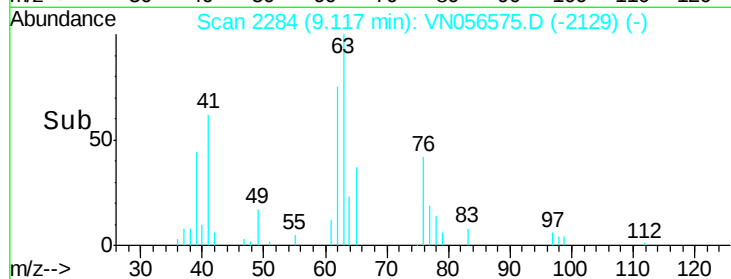
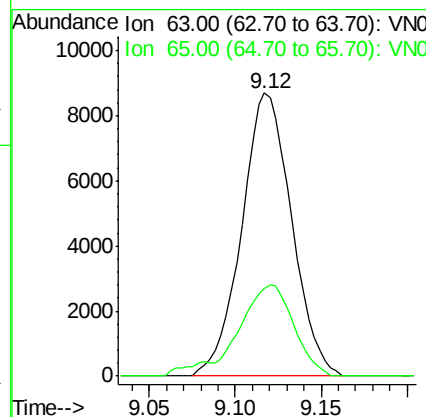
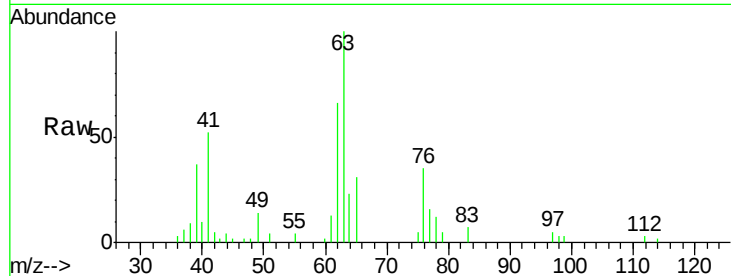
#39
 1,2-Dichloropropane
 Concen: 5.990 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 17538
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.1 34.7

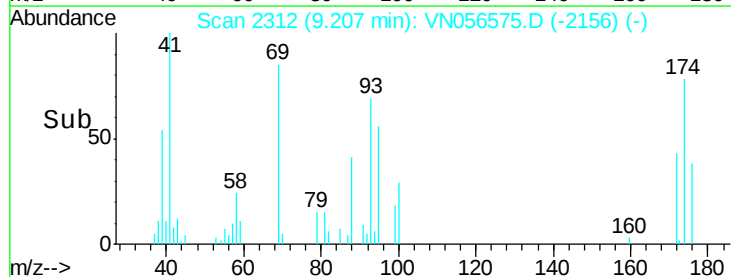
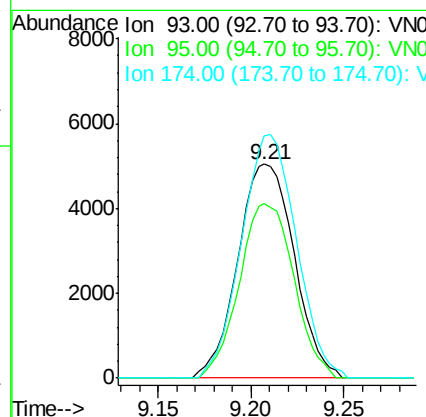
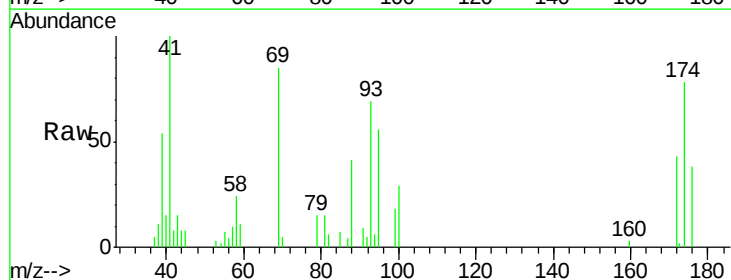
Manual Integrations
 APPROVED

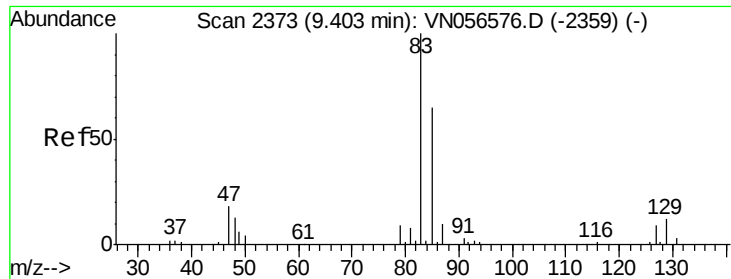
MMDadoda
 7/8/2019 10:04:42 AM



#40
 Dibromomethane
 Concen: 5.488 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 93 Resp: 10654
 Ion Ratio Lower Upper
 93 100
 95 78.9 0.0 169.0
 174 111.0 0.0 246.4





#41

Bromodichloromethane

Concen: 5.388 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

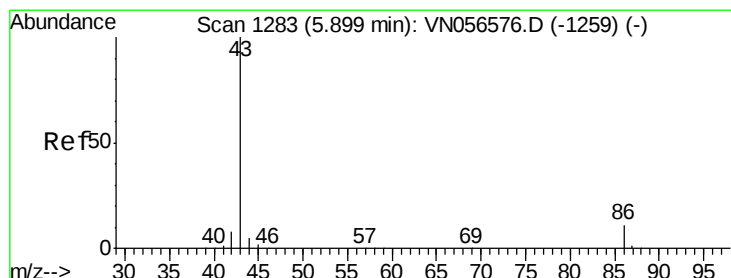
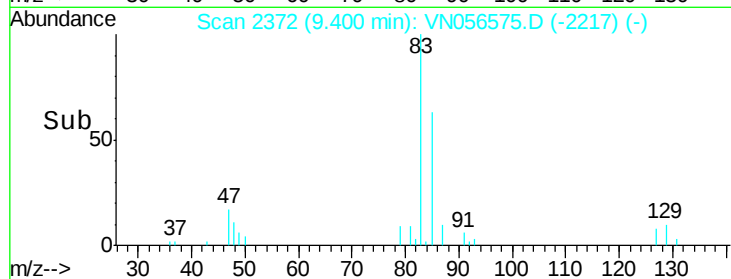
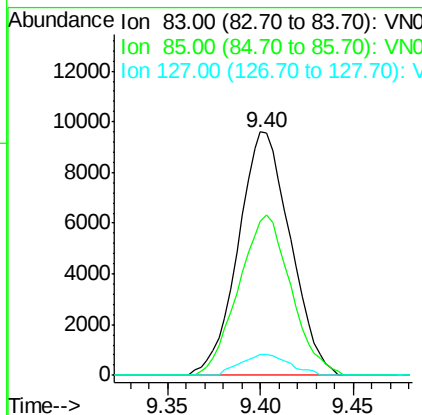
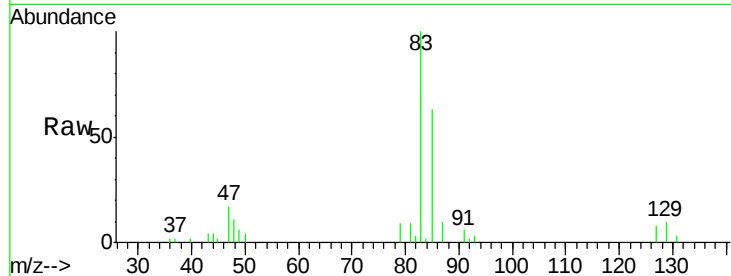
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	18730
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.8	77.6
127	8.5	7.3	10.9

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#42

Vinyl Acetate

Concen: 27.798 ug/l

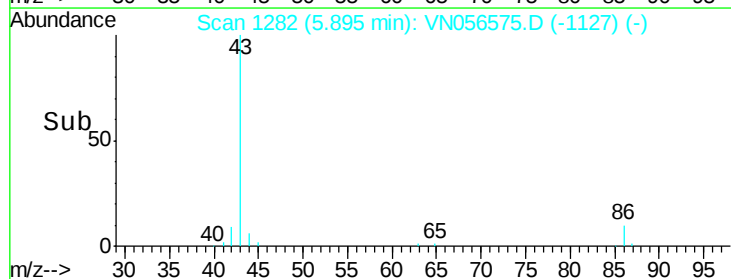
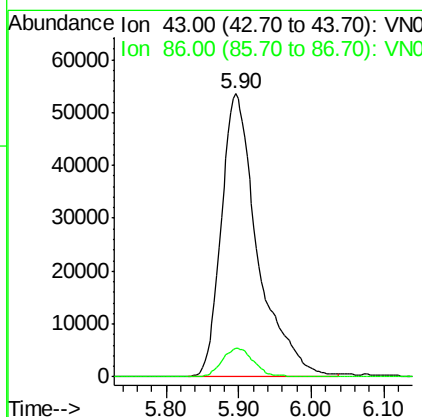
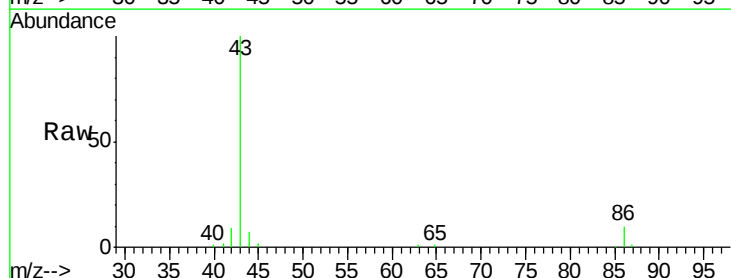
RT: 5.90 min Scan# 1282

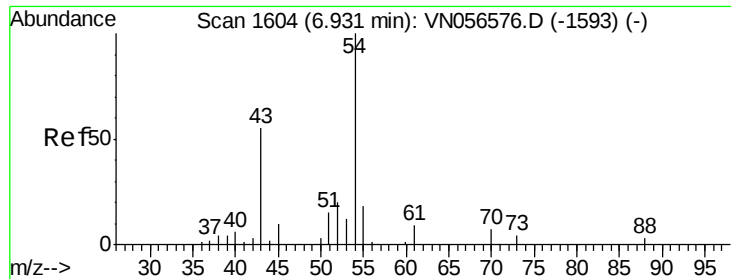
Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Tgt Ion:	43	Resp:	187185
Ion Ratio	Lower	Upper	
43	100		
86	8.6	7.9	11.9





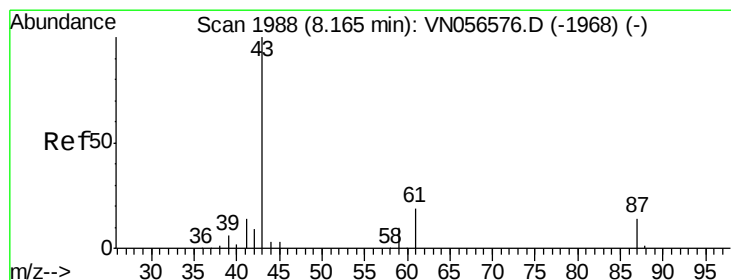
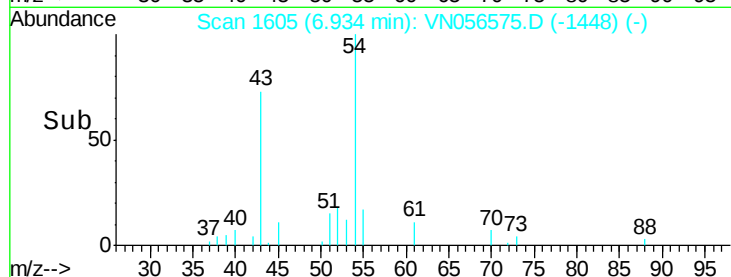
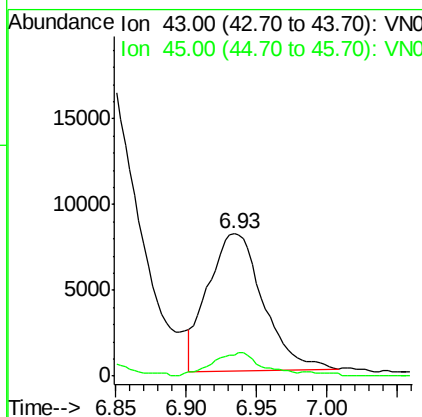
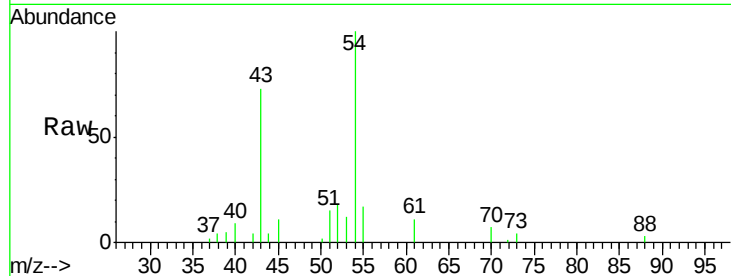
#43
Ethyl Acetate
Concen: 6.047 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	45	Ratio	100	15.4	Resp	21859	Lower	12.3	Upper	18.5
Ion	43	45	Ratio	100	15.4	Resp	21859	Lower	12.3	Upper	18.5

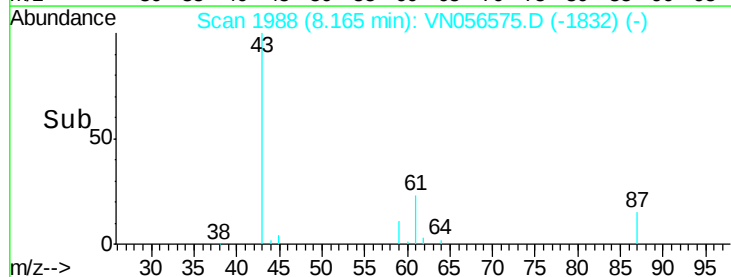
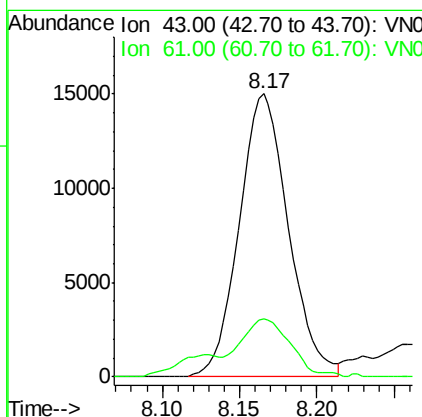
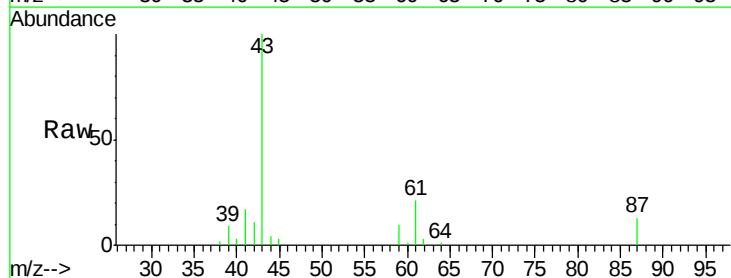
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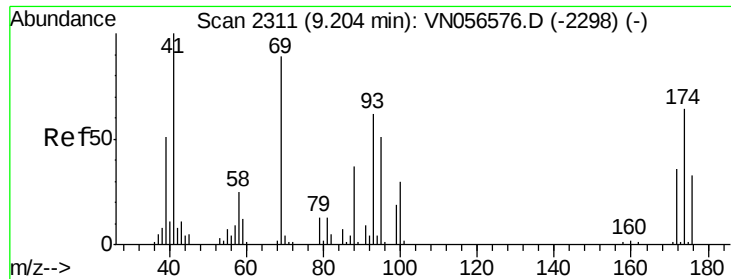
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#44
Isopropyl Acetate
Concen: 5.928 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	43	61	Ratio	100	18.5	Resp	33272	Lower	16.9	Upper	25.3
Ion	43	61	Ratio	100	18.5	Resp	33272	Lower	16.9	Upper	25.3





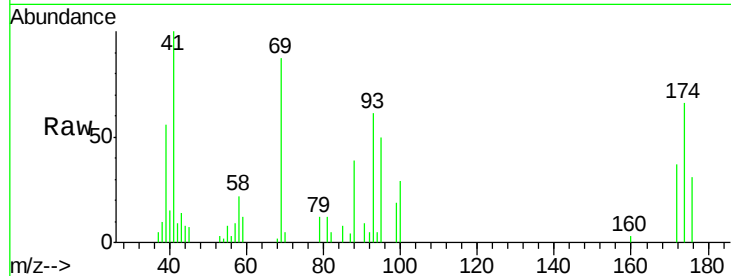
#45
 1,4-Dioxane
 Concen: 114.359 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

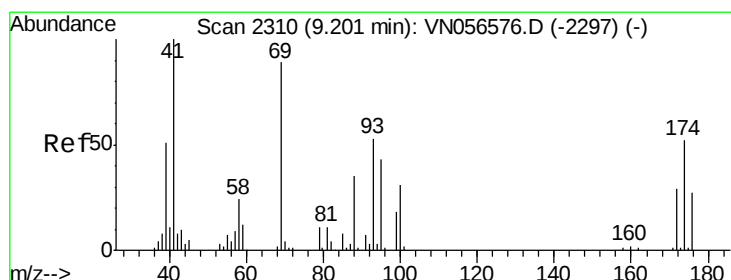
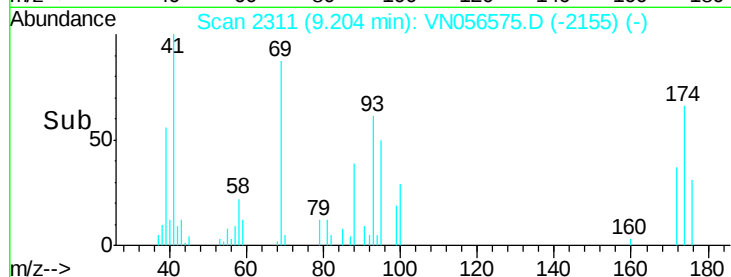
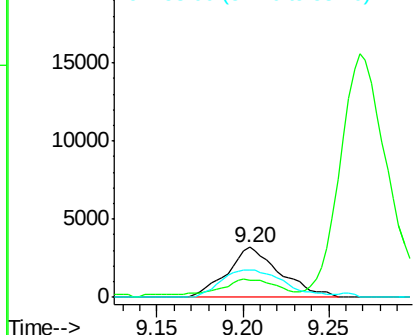
Tot Ion	88	Resp	6866
Ion	Ratio	Lower	Upper
88	100		
43	34.7	19.8	29.6#
58	64.7	48.5	72.7

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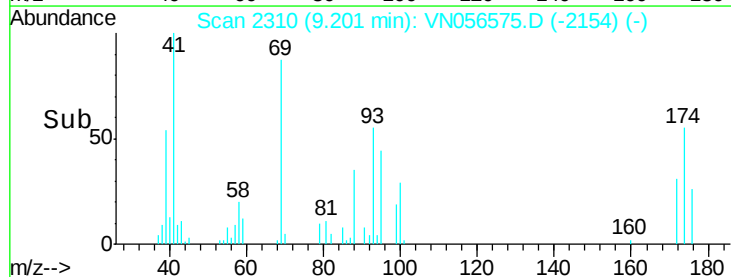
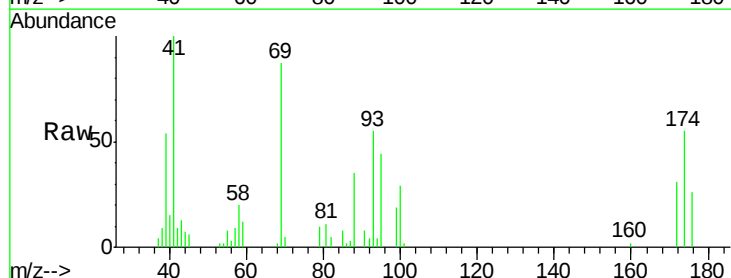
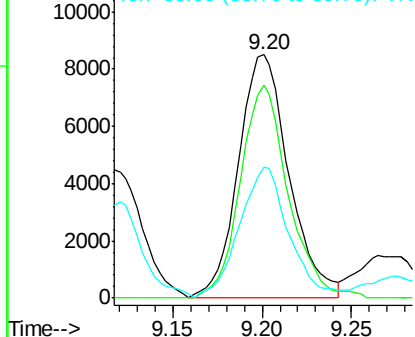
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

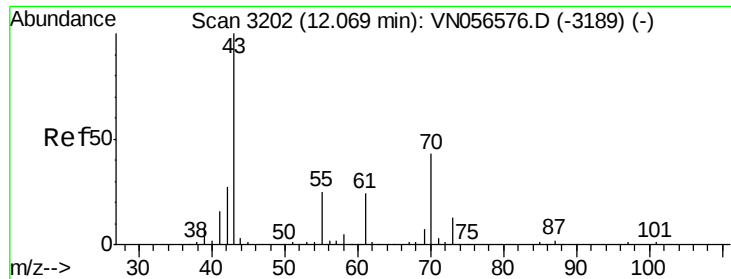


#46
 Methyl methacrylate
 Concen: 6.053 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion	41	Resp	16877
Ion	Ratio	Lower	Upper
41	100		
69	87.2	46.0	137.8
39	52.0	24.6	73.8

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





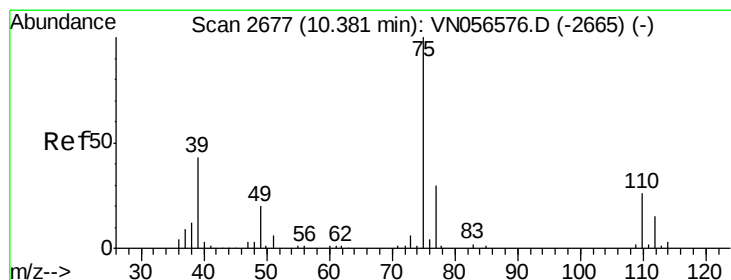
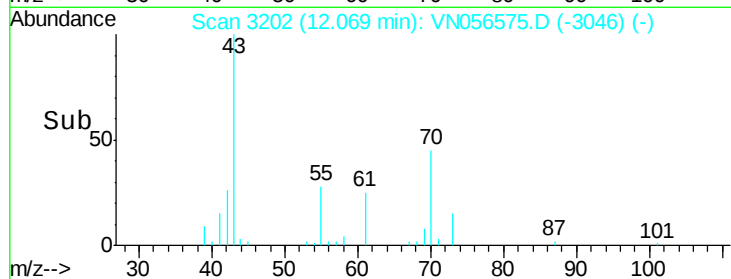
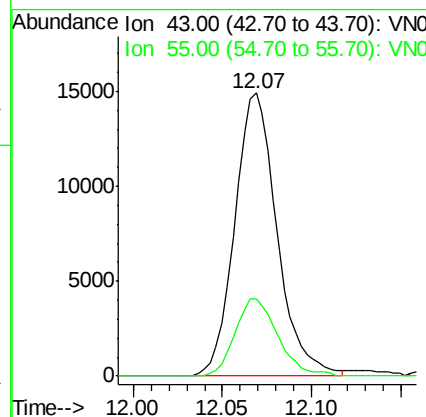
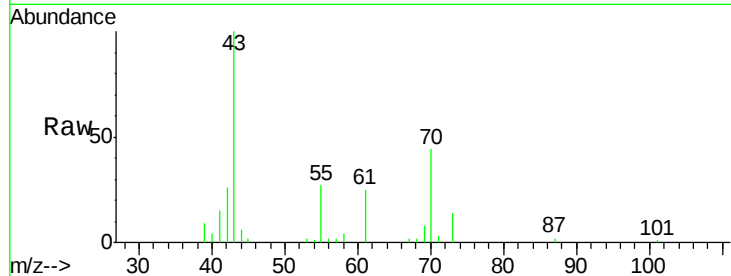
#47
n-amyl Acetate
Concen: 5.299 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 24595
Ion Ratio Lower Upper
43 100
55 27.1 19.0 28.6

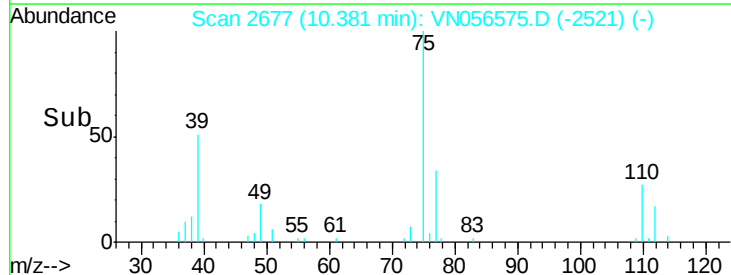
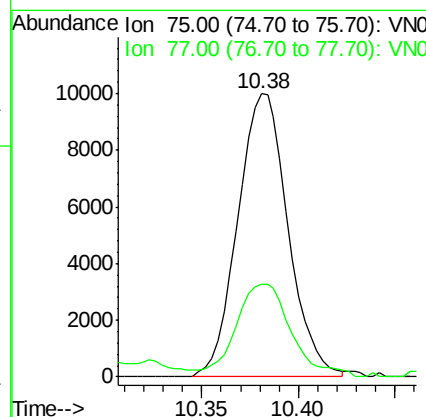
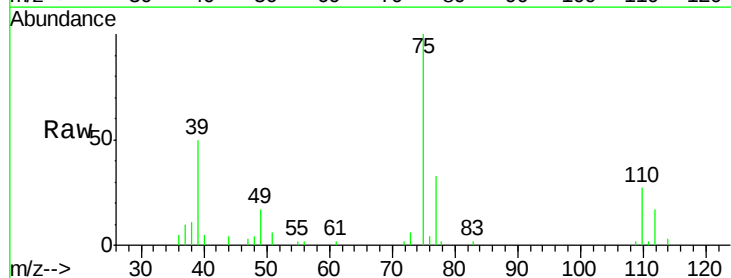
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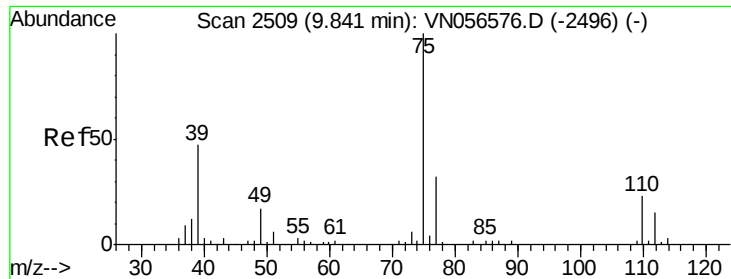
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#48
t-1,3-Dichloropropene
Concen: 4.933 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion: 75 Resp: 18044
Ion Ratio Lower Upper
75 100
77 30.5 26.0 39.0





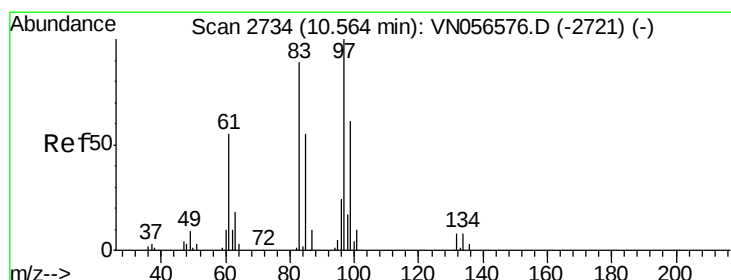
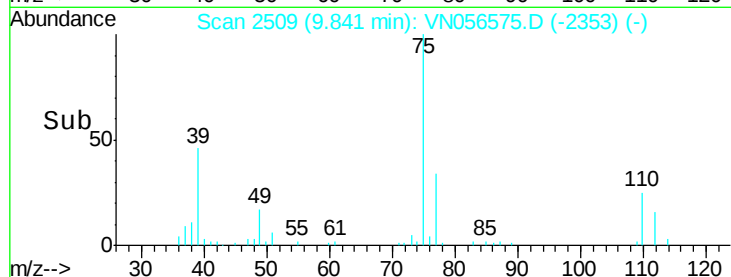
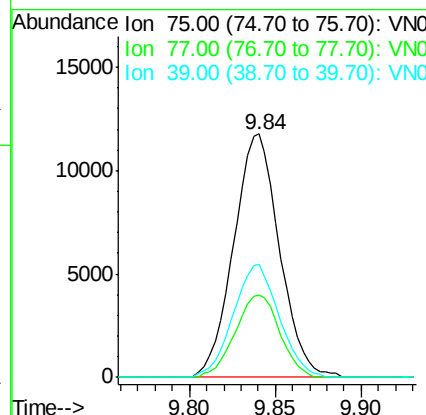
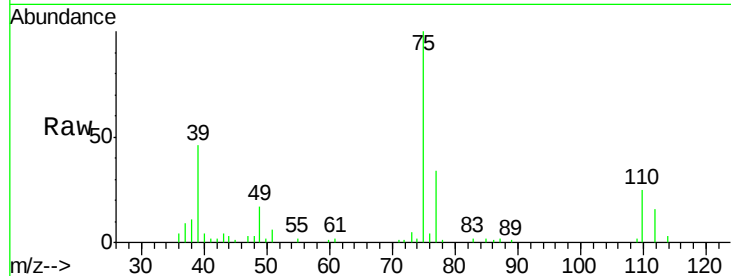
#49
 cis-1,3-Dichloropropene
 Concen: 5.084 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.1	37.7
39	46.4	34.3	51.5

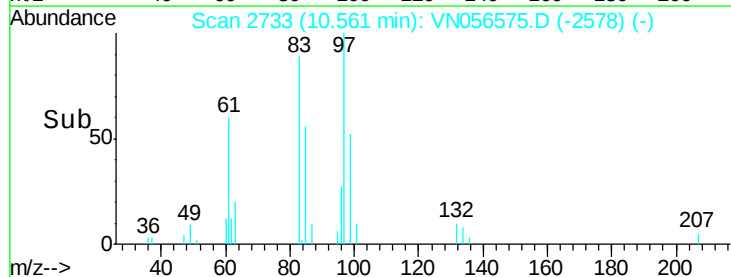
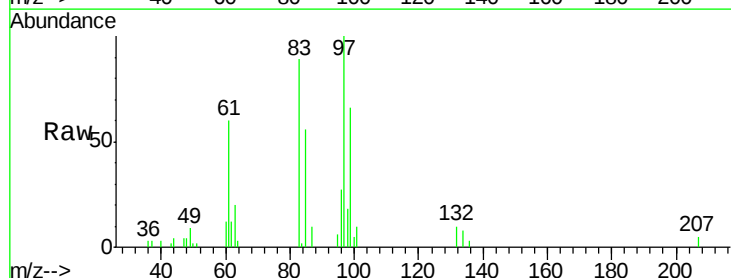
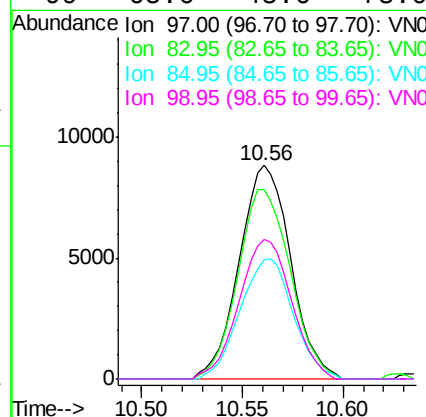
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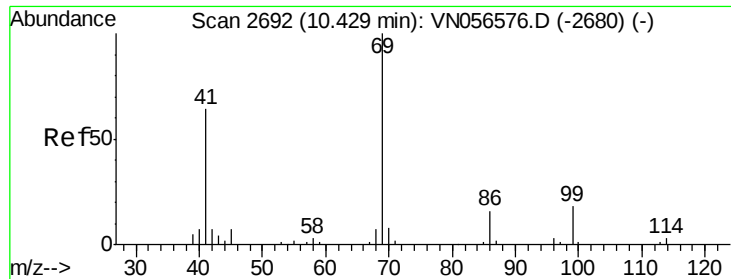
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#50
 1,1,2-Trichloroethane
 Concen: 5.473 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	66.9	100.3
85	55.6	43.3	64.9
99	65.6	48.6	73.0





#51

Ethyl methacrylate

Concen: 5.252 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

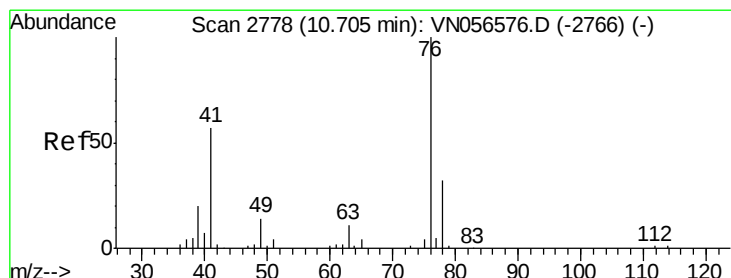
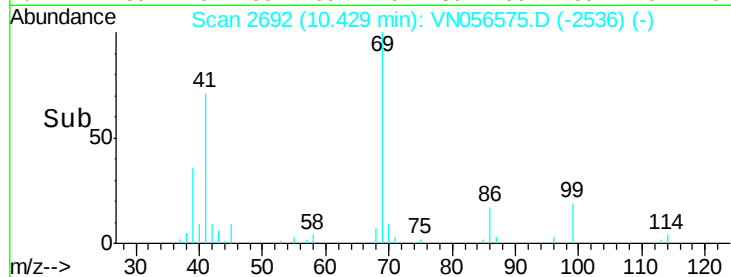
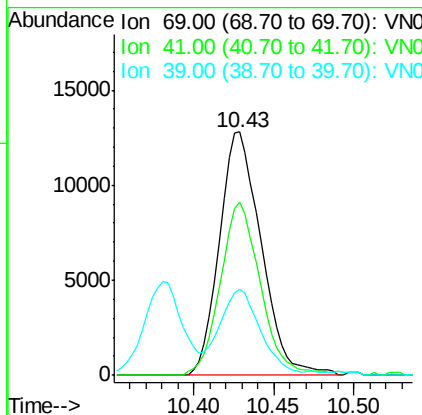
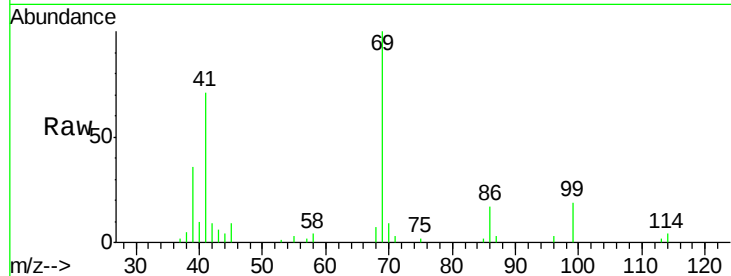
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	22909
Ion Ratio	Lower	Upper	
69	100		
41	69.5	30.8	92.3
39	34.1	14.5	43.6

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#52

1,3-Dichloropropane

Concen: 5.779 ug/l

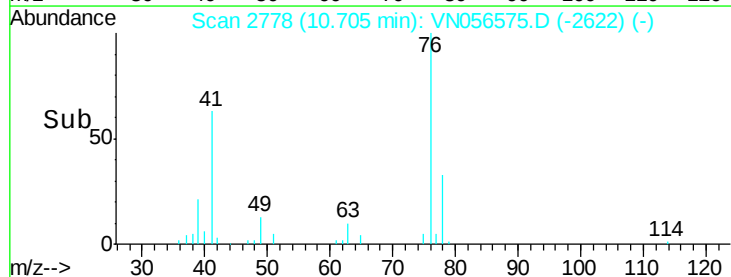
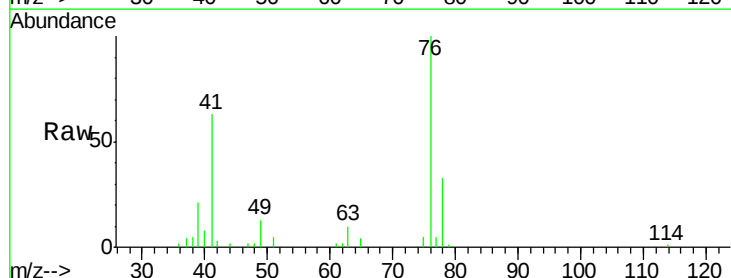
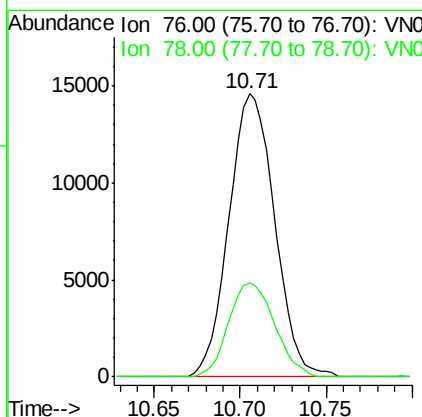
RT: 10.71 min Scan# 2778

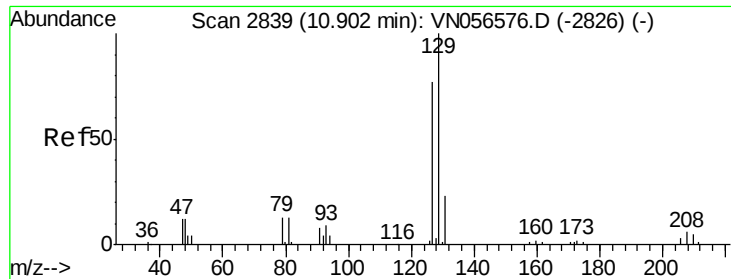
Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Tgt Ion:	76	Resp:	27013
Ion Ratio	Lower	Upper	
76	100		
78	33.4	0.0	63.4





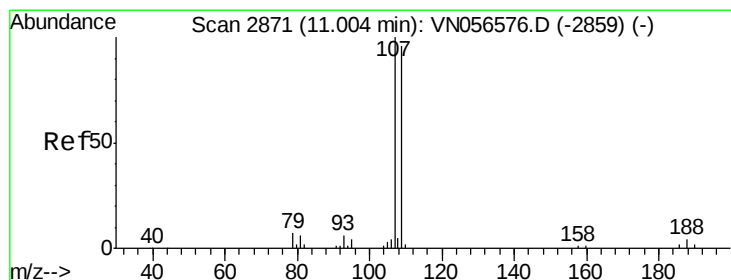
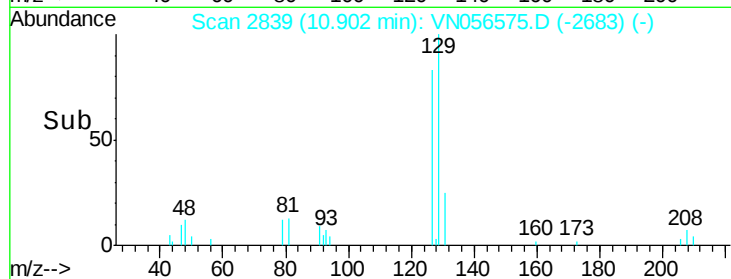
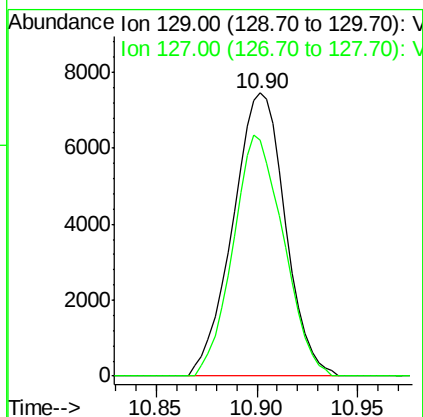
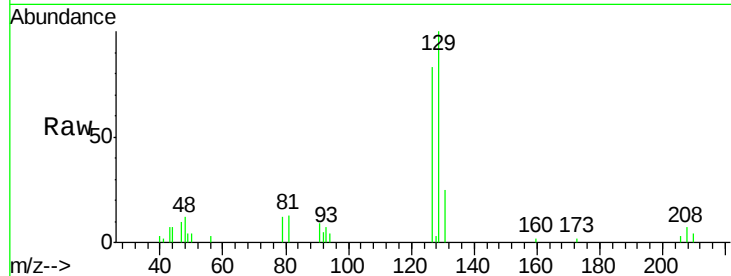
#53
Dibromochloromethane
Concen: 4.804 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:129 Resp: 13560
Ion Ratio Lower Upper
129 100
127 81.8 39.1 117.5

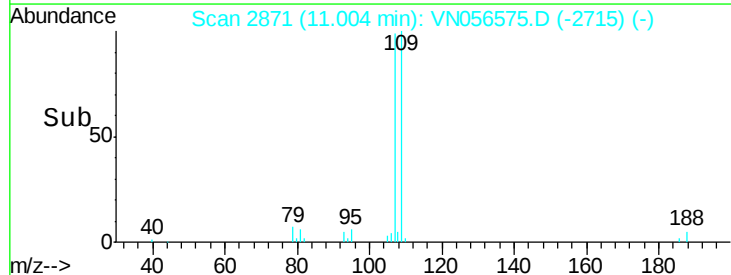
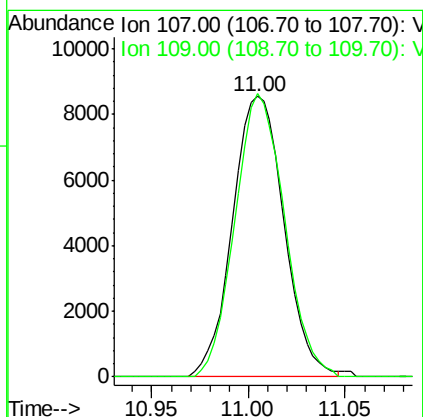
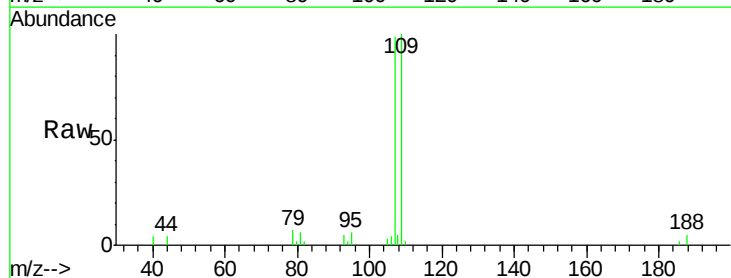
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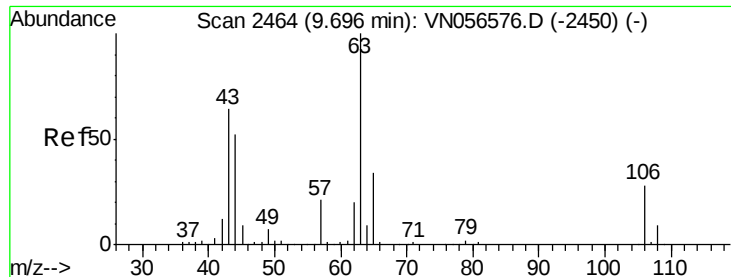
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#54
1,2-Dibromoethane
Concen: 5.260 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion:107 Resp: 15827
Ion Ratio Lower Upper
107 100
109 97.1 76.8 115.2





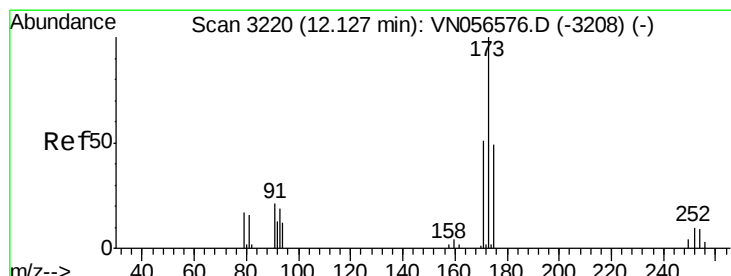
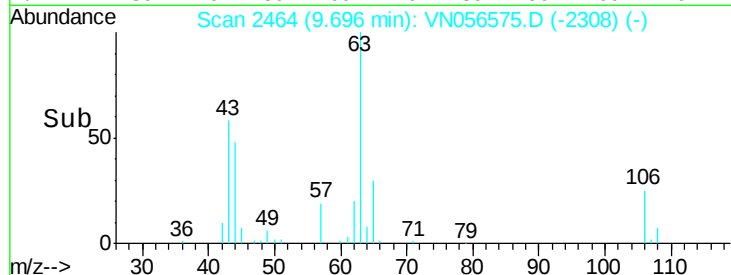
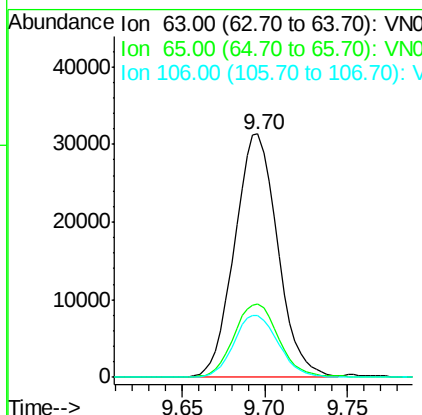
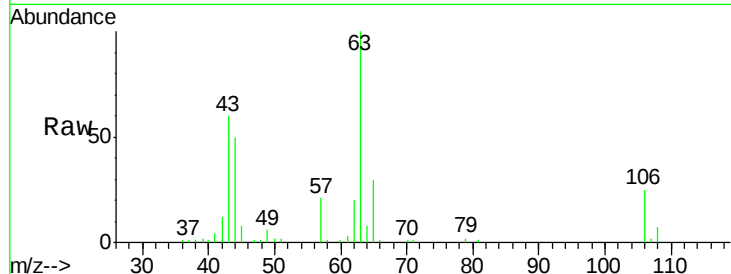
#55
2-Chloroethyl vinyl ether
Concen: 37.189 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.5	38.3
106	26.1	23.0	34.4

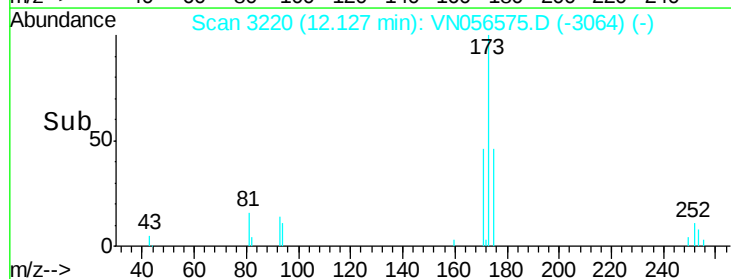
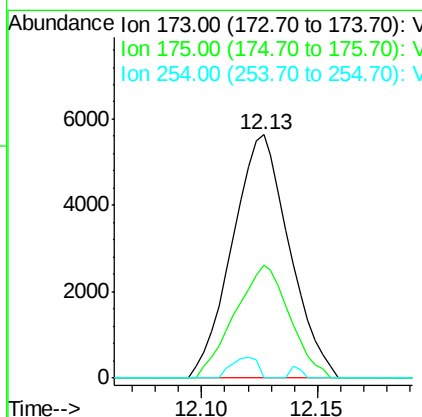
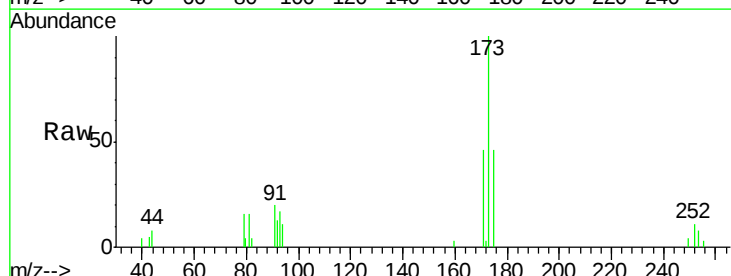
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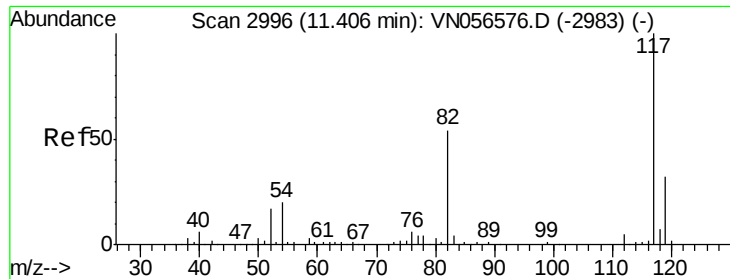
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#56
Bromoform
Concen: 4.711 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.6	38.7	58.1
254	3.8	6.6	9.8





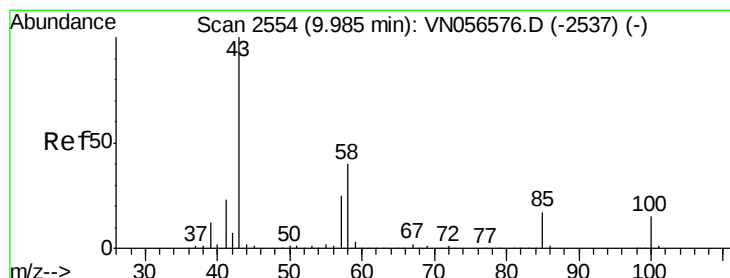
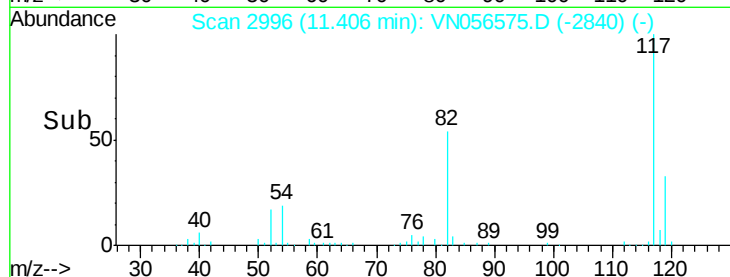
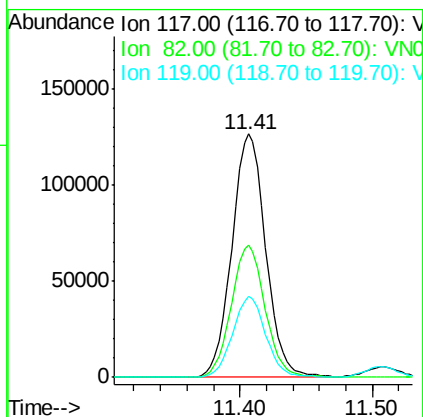
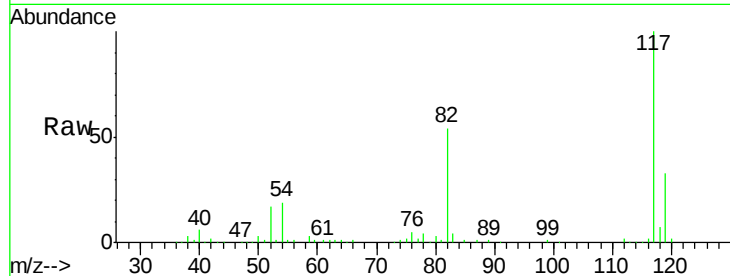
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	41.2	61.8
119	32.6	26.2	39.2

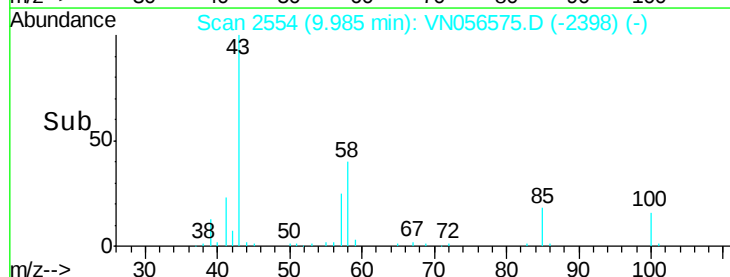
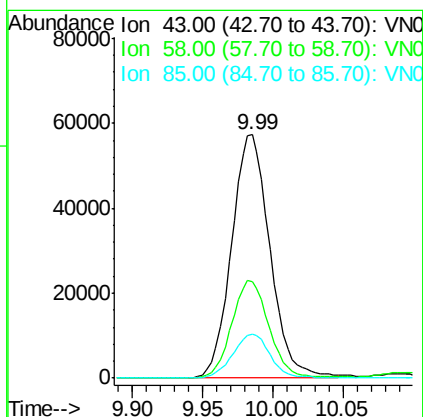
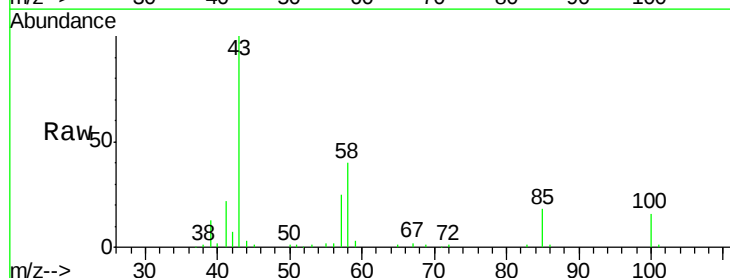
Manual Integrations
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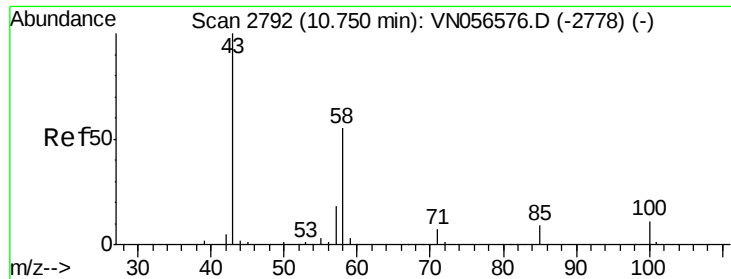
MMDadoda
7/8/2019 10:04:42 AM



#58
4-Methyl-2-Pentanone
Concen: 31.924 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.1	33.1	49.7
85	17.8	15.5	23.3





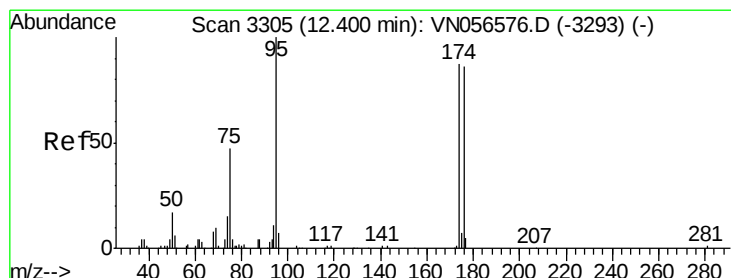
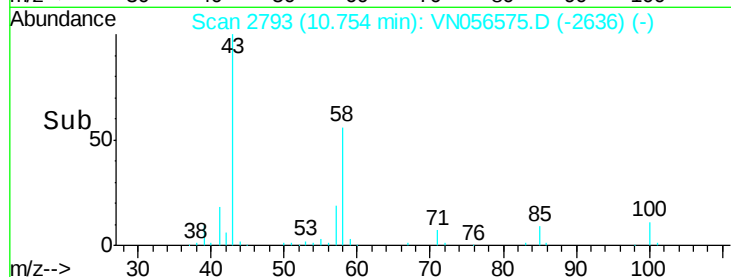
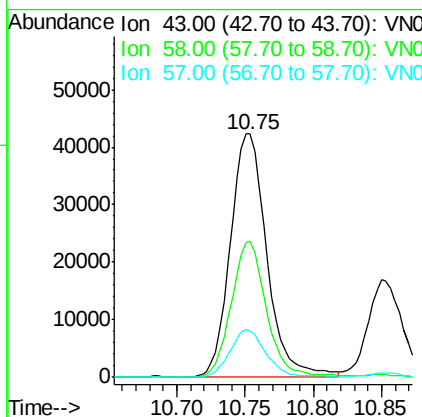
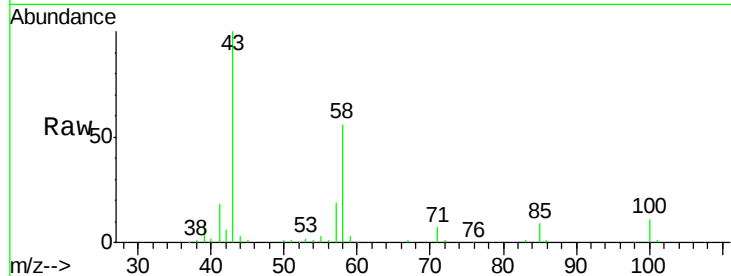
#59
2-Hexanone
Concen: 32.407 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	45.3	67.9
57	19.2	15.6	23.4

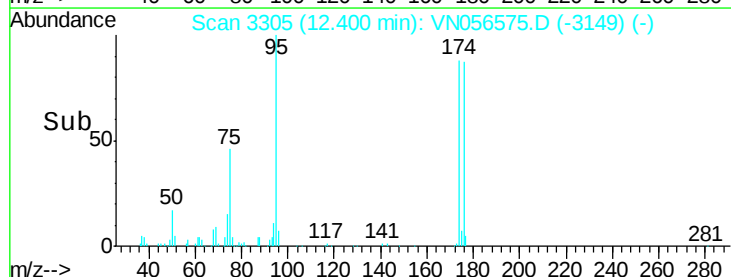
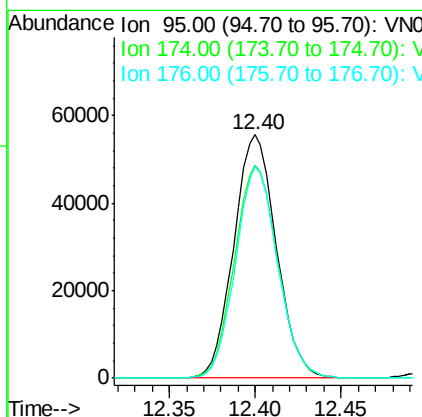
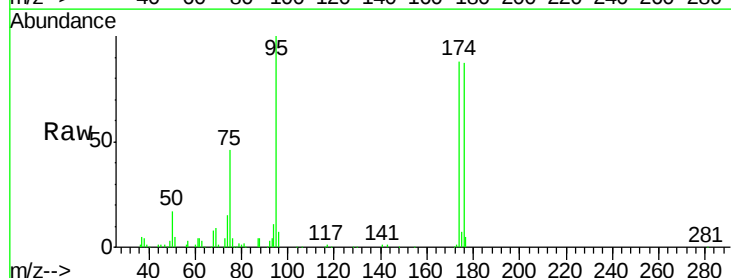
Manual Integrations
APPROVED

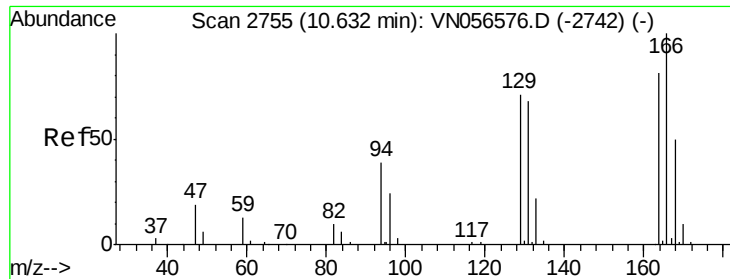
MMDadoda
7/8/2019 10:04:42 AM



#60
4-Bromofluorobenzene
Concen: 28.768 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	75.4	113.0
176	85.8	73.9	110.9





#61

Tetrachloroethene

Concen: 5.048 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 15792

Ion Ratio Lower Upper

164 100

166 124.4 104.3 156.5

129 86.8 71.5 107.3

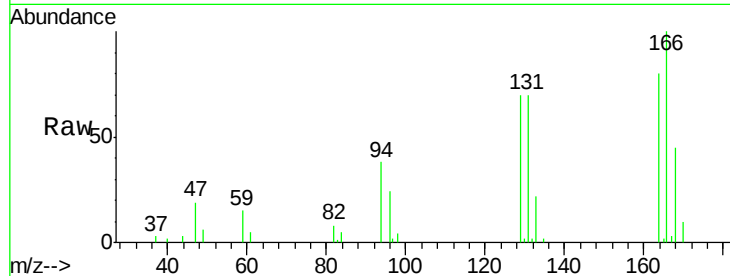
131 86.9 67.7 101.5

Manual Integrations

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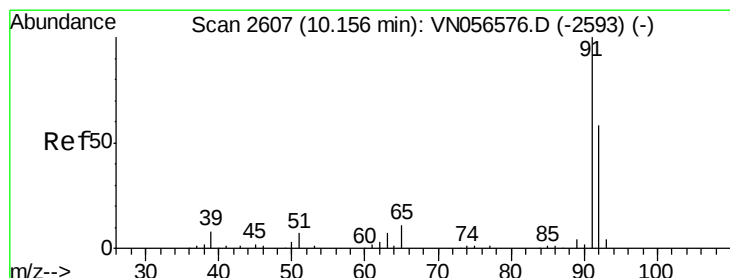
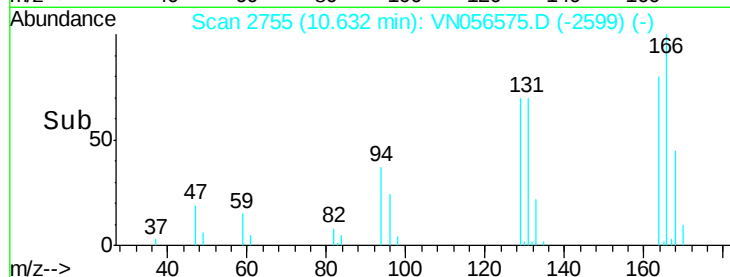
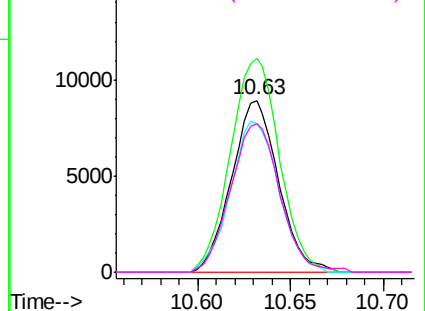


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.685 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056575.D

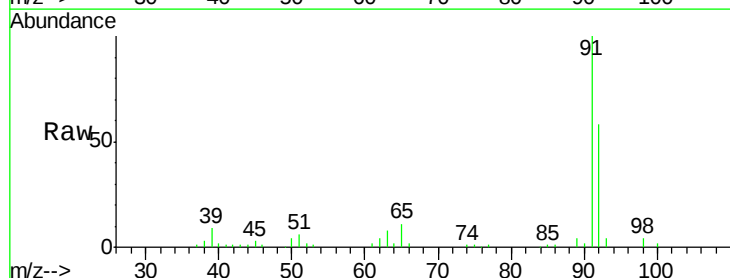
Acq: 3 Jul 2019 9:10

Tgt Ion: 91 Resp: 68879

Ion Ratio Lower Upper

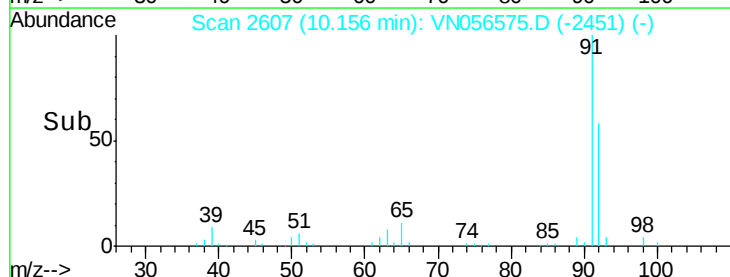
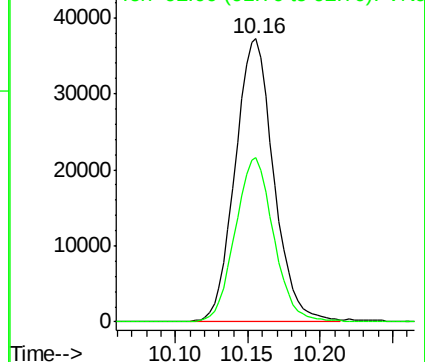
91 100

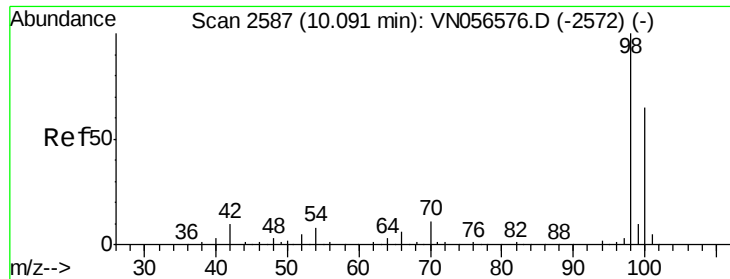
92 57.8 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 31.765 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 323418

Ion Ratio Lower Upper

98 100

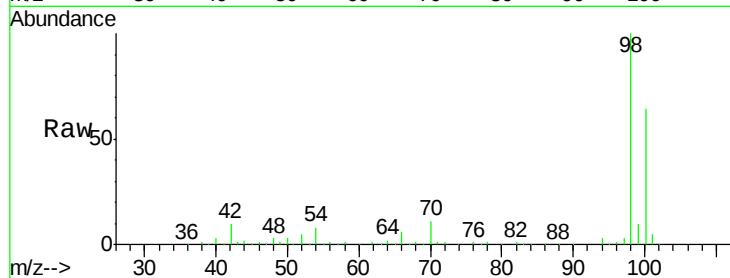
100 64.3 52.2 78.4

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN056576.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056576.D (-2572) (-)

200000

150000

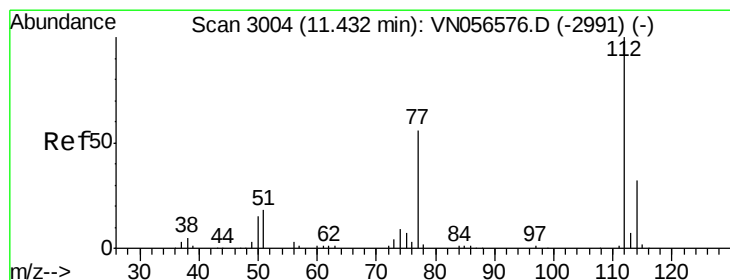
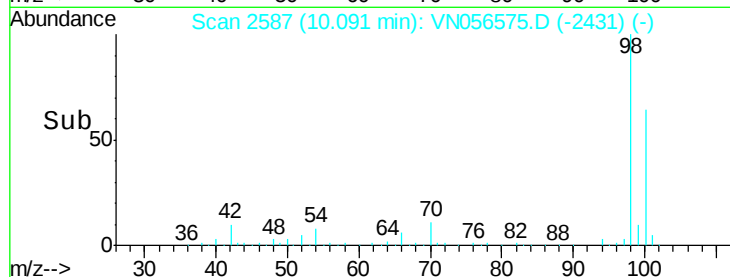
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 5.513 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056575.D

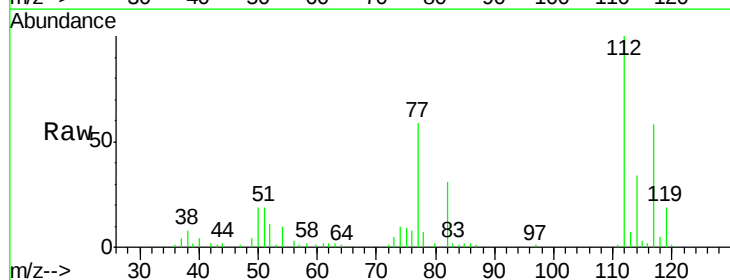
Acq: 3 Jul 2019 9:10

Tgt Ion: 112 Resp: 40519

Ion Ratio Lower Upper

112 100

114 33.6 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056576.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056576.D (-2991) (-)

25000

20000

15000

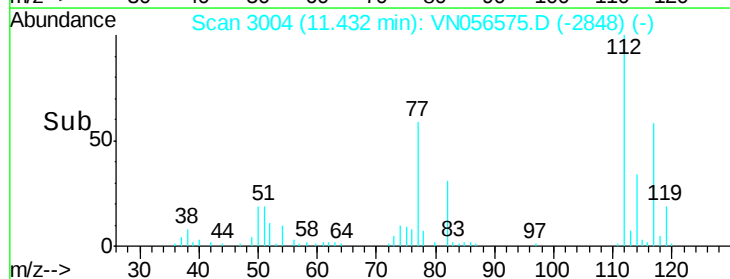
10000

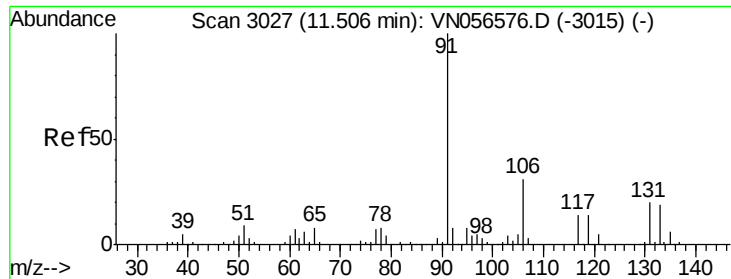
5000

0

11.35 11.40 11.45 11.50

Time-->





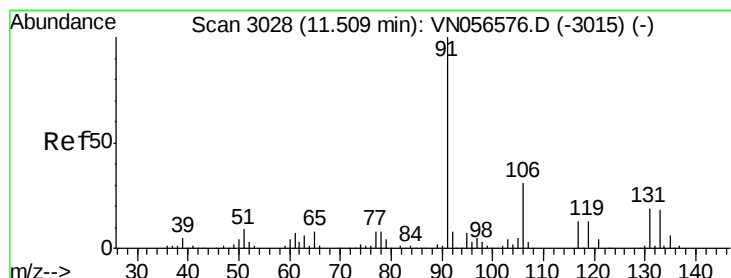
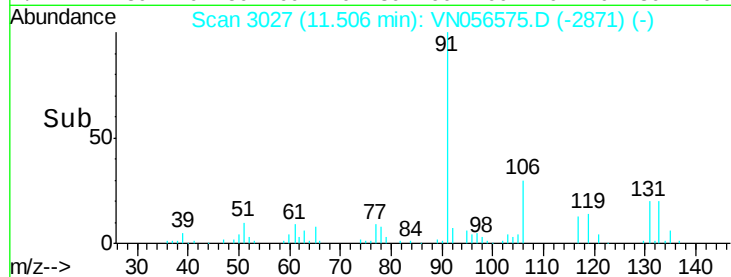
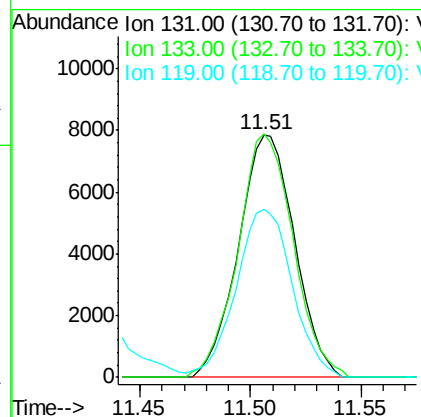
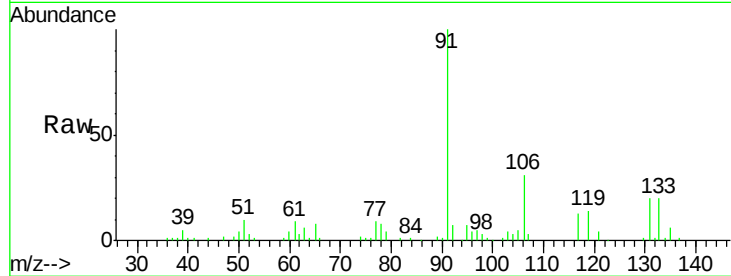
#65
 1,1,1,2-Tetrachloroethane
 Concen: 5.237 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:131 Resp: 13879
 Ion Ratio Lower Upper
 131 100
 133 99.1 0.0 193.8
 119 69.6 0.0 134.4

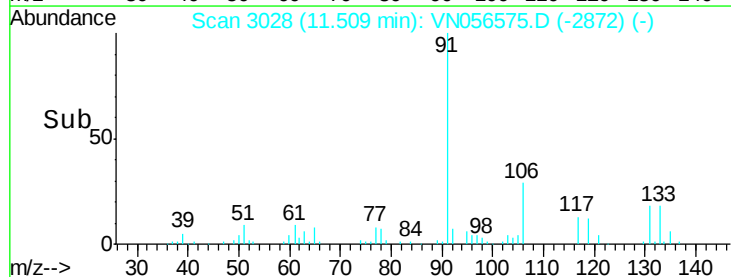
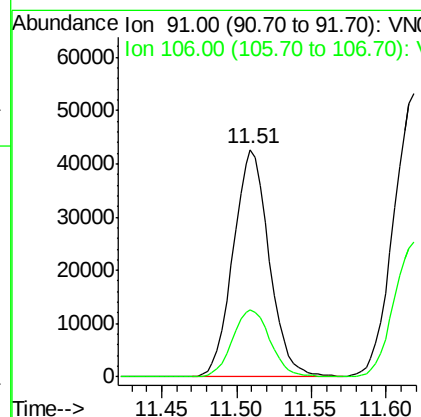
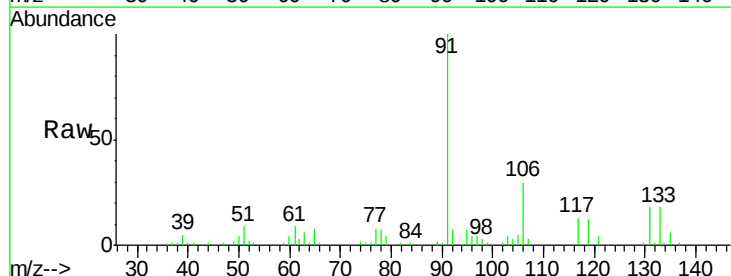
Manual Integrations
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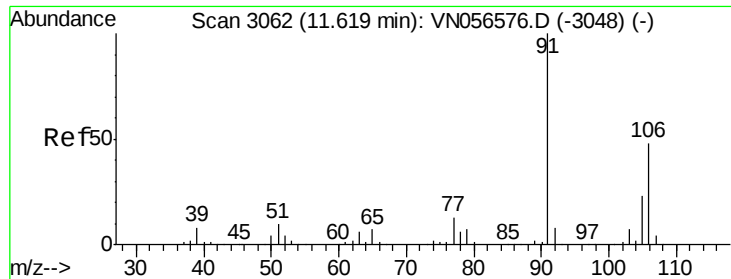
MMDadoda
 7/8/2019 10:04:42 AM



#66
 Ethyl Benzene
 Concen: 5.534 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion: 91 Resp: 71412
 Ion Ratio Lower Upper
 91 100
 106 29.6 25.7 38.5





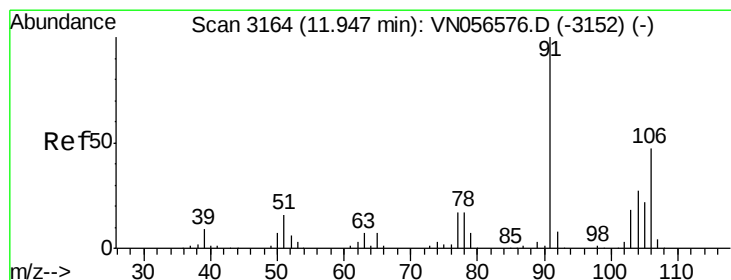
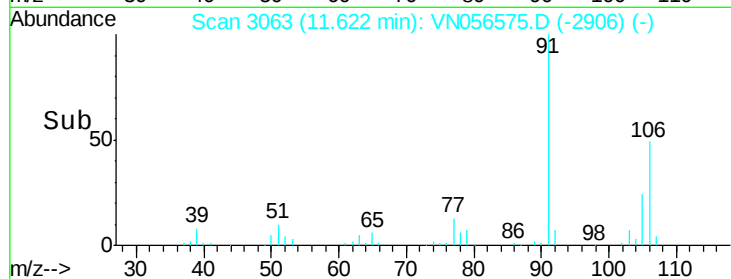
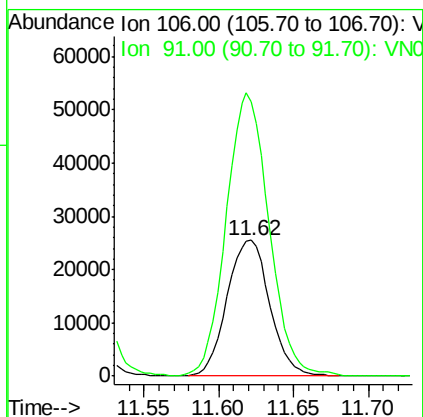
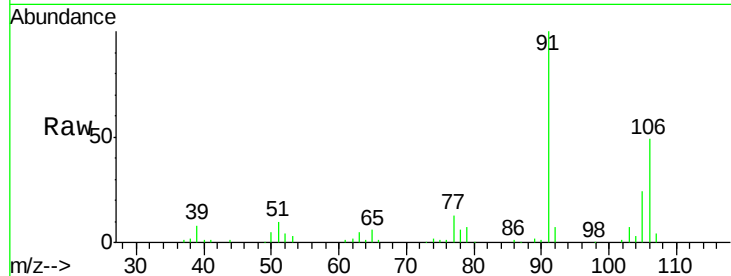
#67
m/p-Xvlenes
Concen: 10.274 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 50752
Ion Ratio Lower Upper
106 100
91 208.4 155.7 233.5

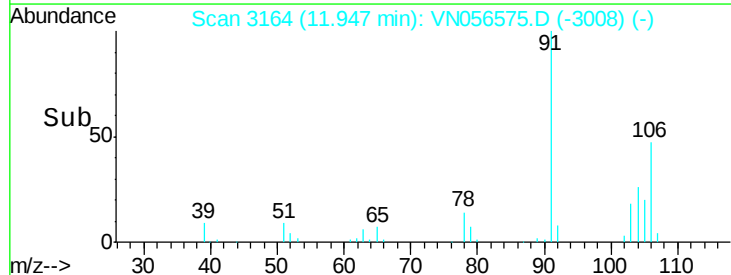
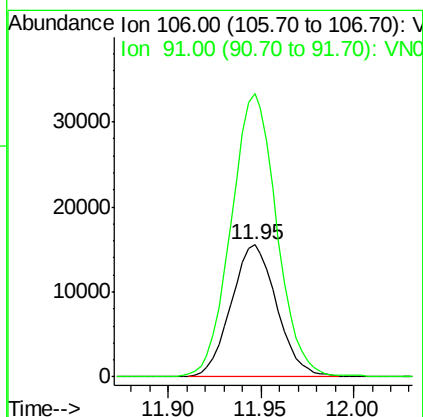
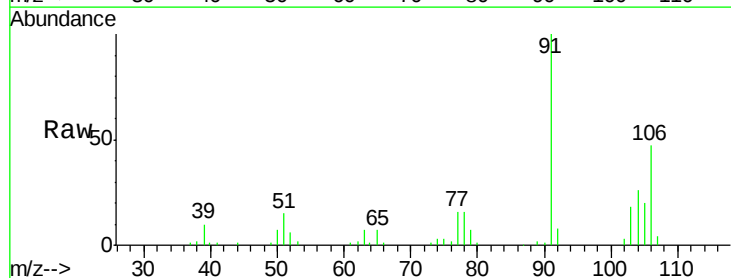
Manual Integrations
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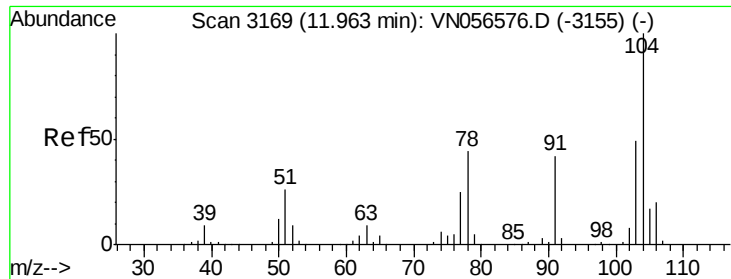
MMDadoda
7/8/2019 10:04:42 AM



#68
o-Xylene
Concen: 5.483 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion:106 Resp: 26517
Ion Ratio Lower Upper
106 100
91 214.5 103.9 311.7





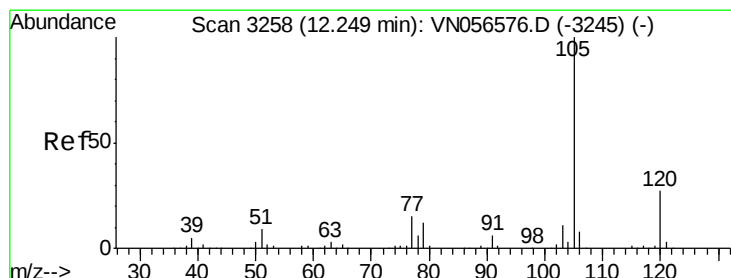
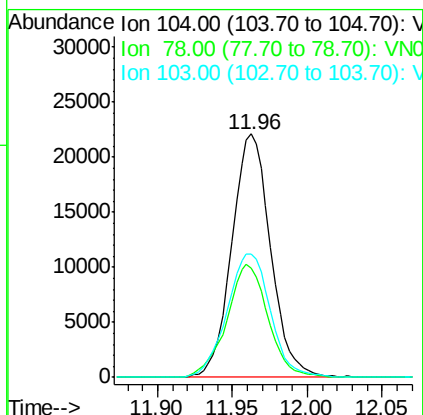
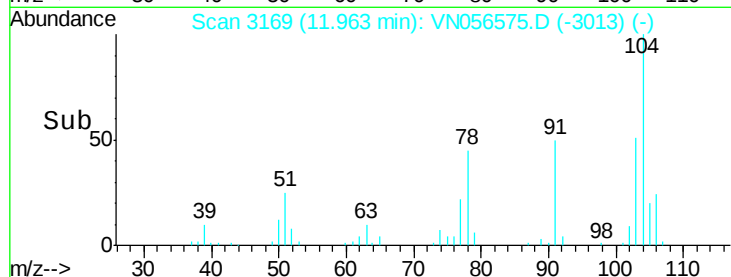
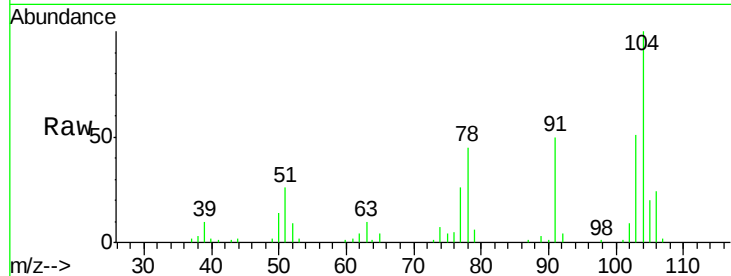
#69
Stvrene
Concen: 5.083 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	37.0	55.6
103	56.7	44.4	66.6

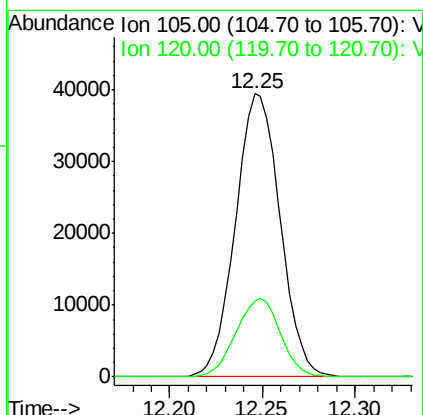
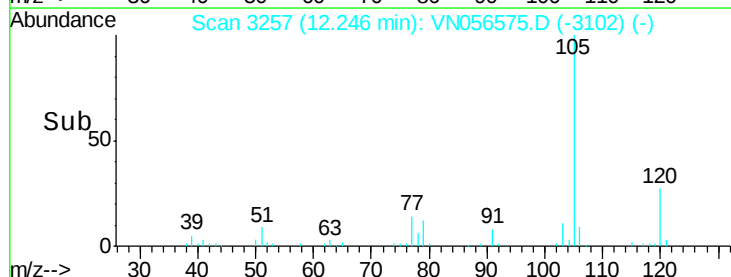
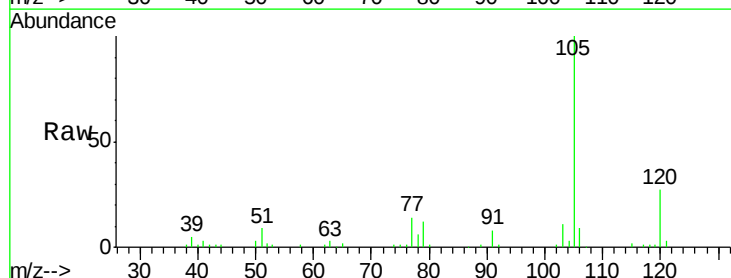
Manual Integrations
APPROVED

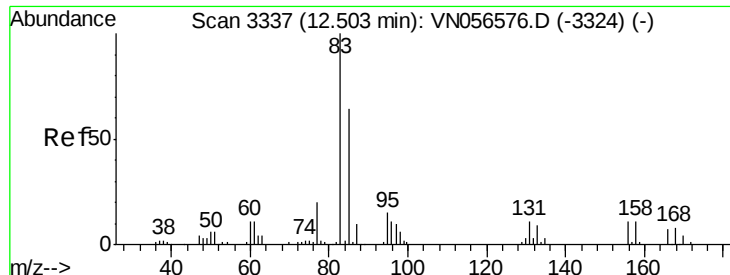
MMDadoda
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#70
Isopropylbenzene
Concen: 5.244 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.3	35.8





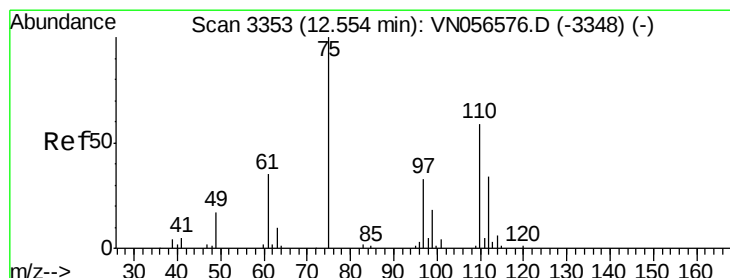
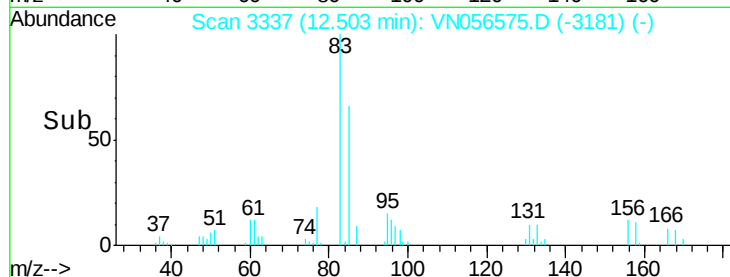
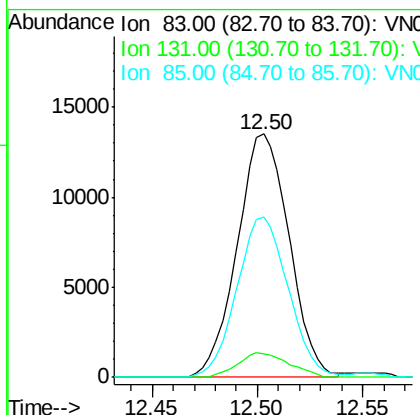
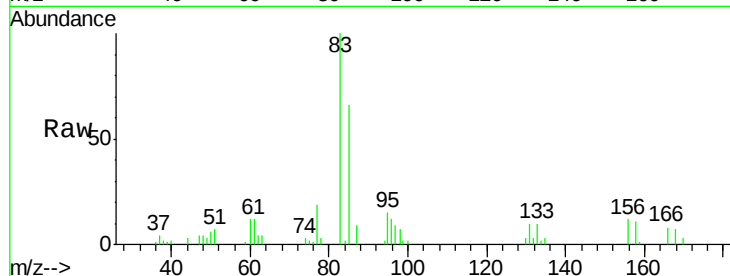
#71
 1,1,2,2-Tetrachloroethane
 Concen: 6.067 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	5.2	15.6	
85	65.2	31.6	94.7	

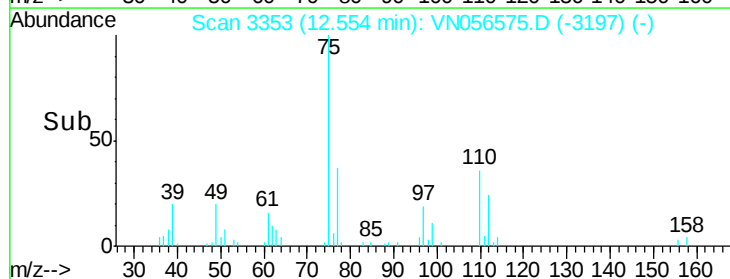
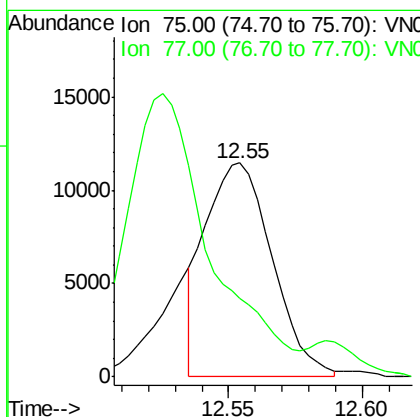
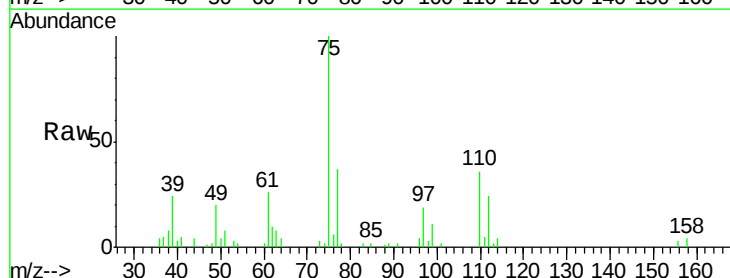
Manual Integrations
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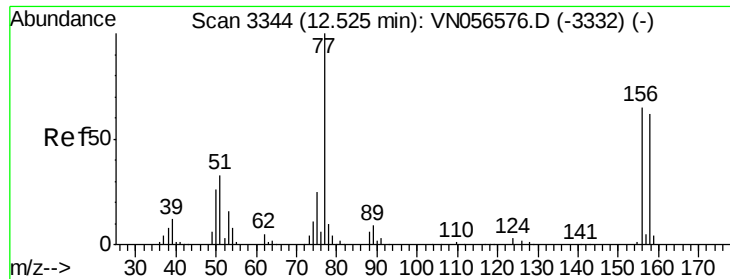
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 7/8/2019 10:04:42 AM



#72
 1,2,3-Trichloropropane
 Concen: 6.037 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	166.3	0.0	350.0	





#73

Bromobenzene

Concen: 5.024 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

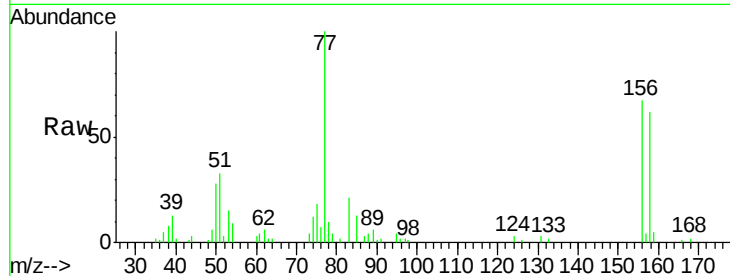
ClientSampled :

VSTDIC005

Tot Ion:	156	Resp:	16849
Ion Ratio	Lower	Upper	
156	100		
77	196.5	0.0	350.8
158	95.4	0.0	193.2

Manual Integrations
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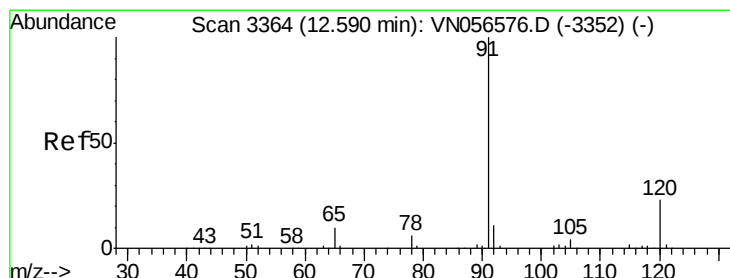
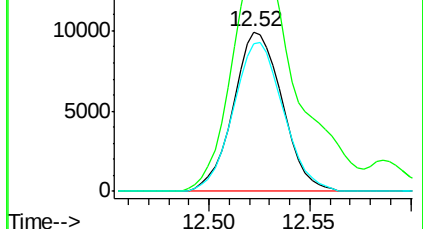
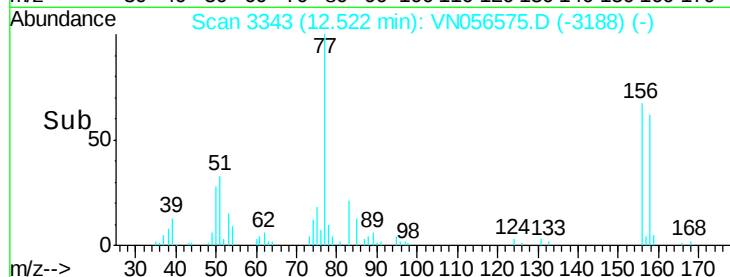
MMDadoda
7/8/2019 10:04:42 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.446 ug/l

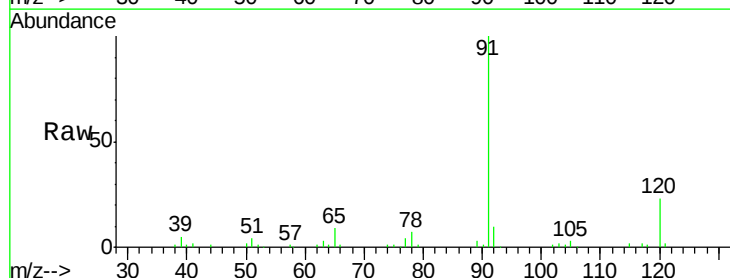
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056575.D

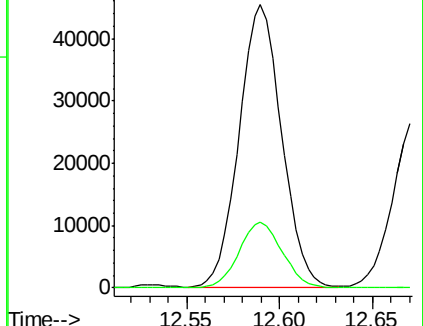
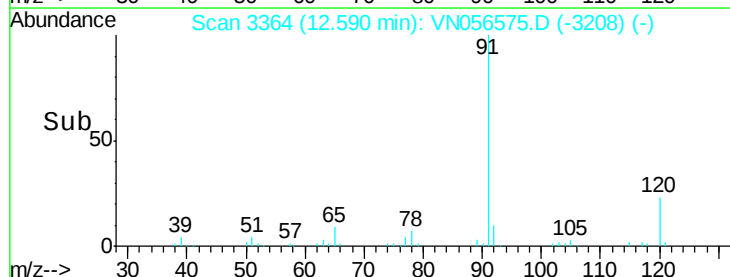
Acq: 3 Jul 2019 9:10

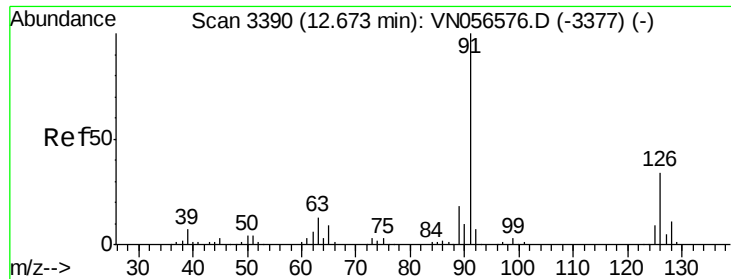
Tgt Ion:	91	Resp:	72614
Ion Ratio	Lower	Upper	
91	100		
120	23.5	0.0	48.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.486 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 45371

Ion Ratio Lower Upper

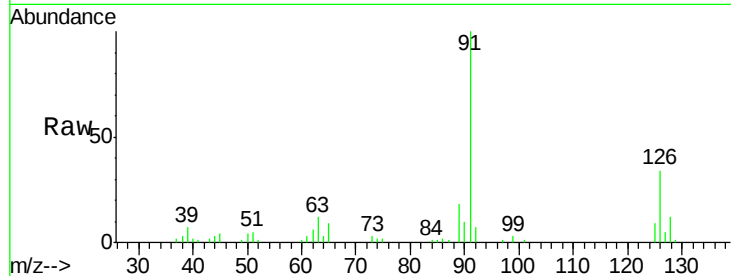
91 100

126 34.9 0.0 72.4

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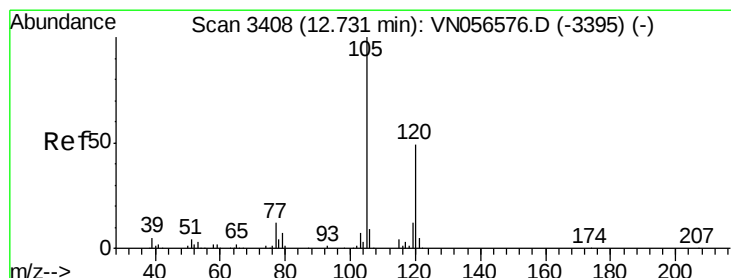
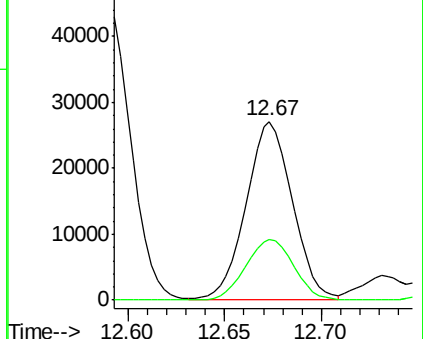
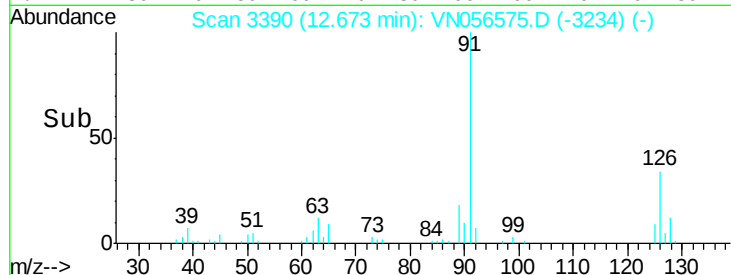
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Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.403 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056575.D

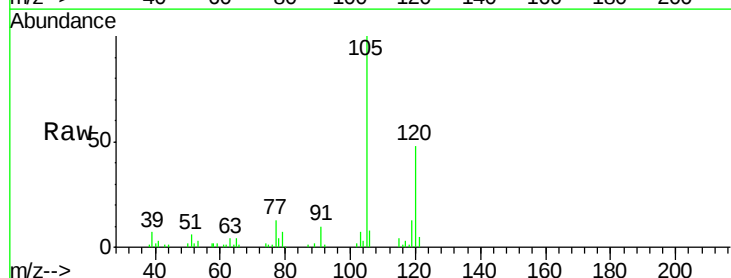
Acq: 3 Jul 2019 9:10

Tgt Ion: 105 Resp: 56157

Ion Ratio Lower Upper

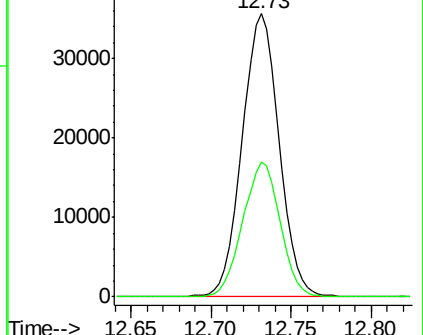
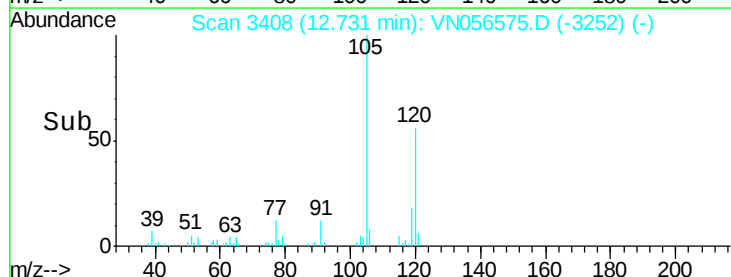
105 100

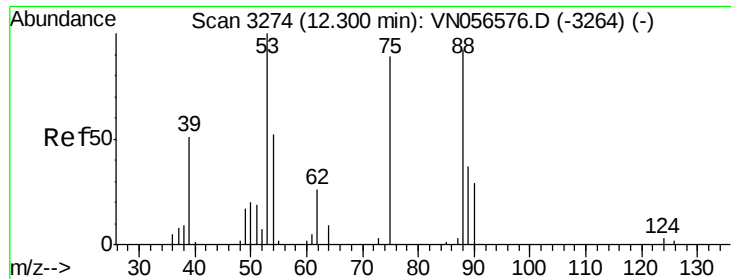
120 48.2 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.652 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

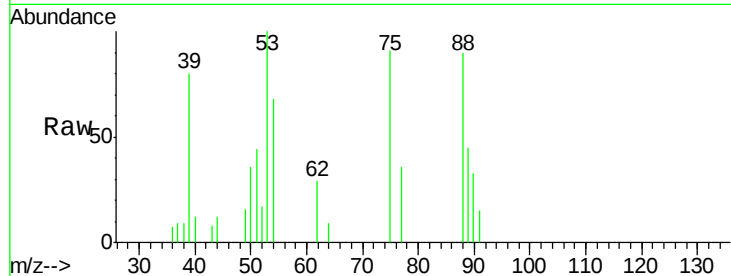
ClientSampleId :

VSTDIC005

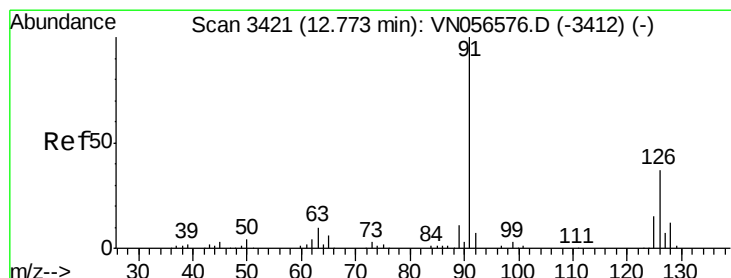
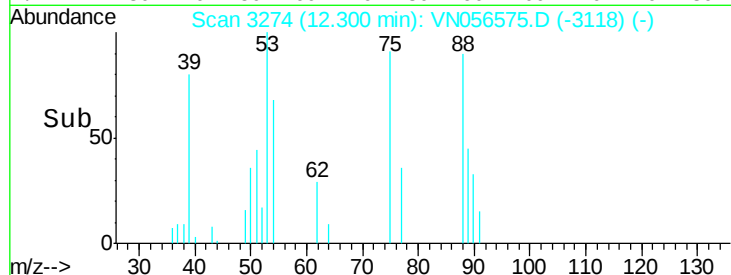
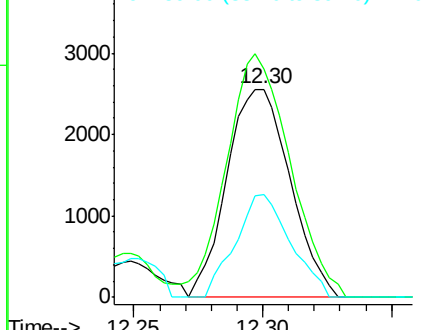
Tot Ion:	75	Resp:	4377
Ion	Ratio	Lower	Upper
75	100		
53	104.0	48.0	144.0
89	49.6	22.5	67.5

Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 5.235 ug/l

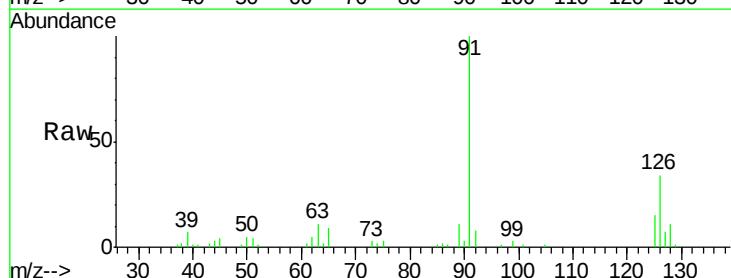
RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

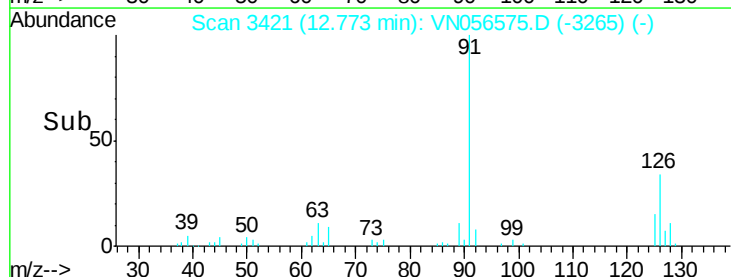
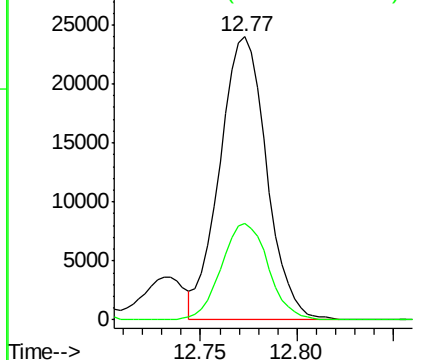
Lab File: VN056575.D

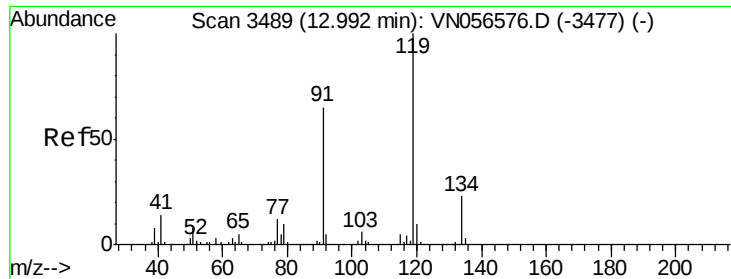
Acq: 3 Jul 2019 9:10

Tgt Ion:	91	Resp:	40437
Ion	Ratio	Lower	Upper
91	100		
126	34.1	0.0	71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





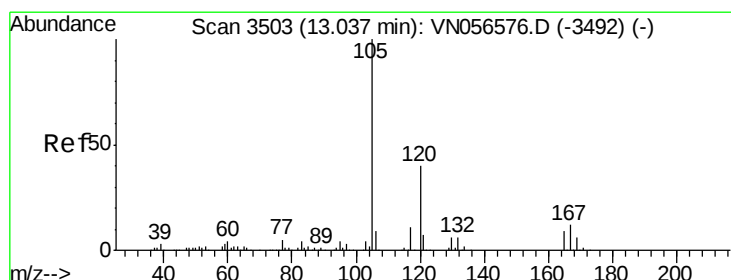
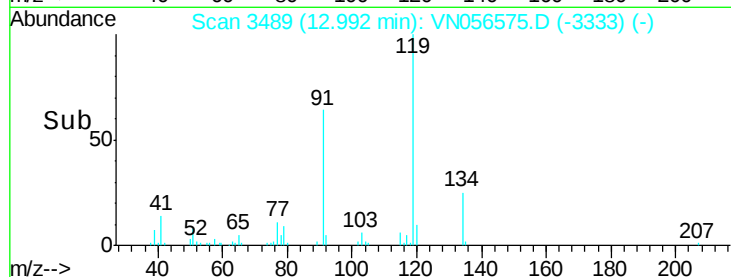
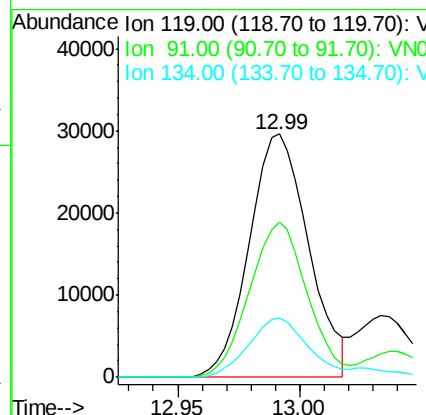
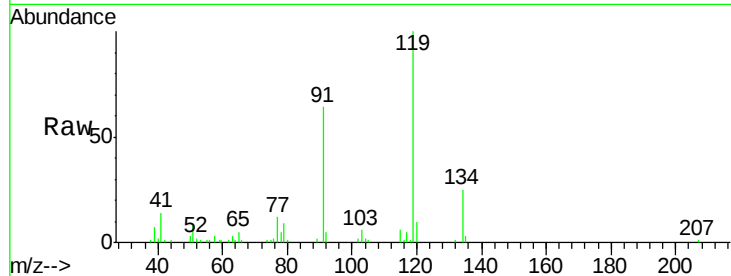
#79
tert-butylbenzene
Concen: 5.427 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	49971		
91	62.2		0.0	122.8
134	24.6		0.0	50.2

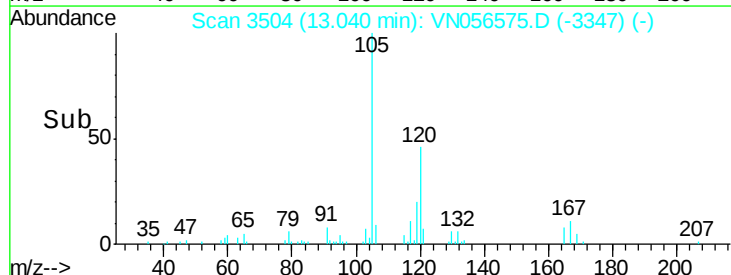
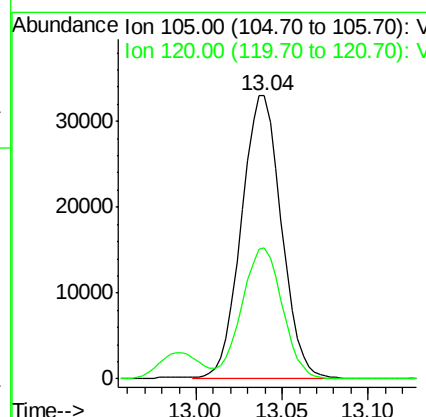
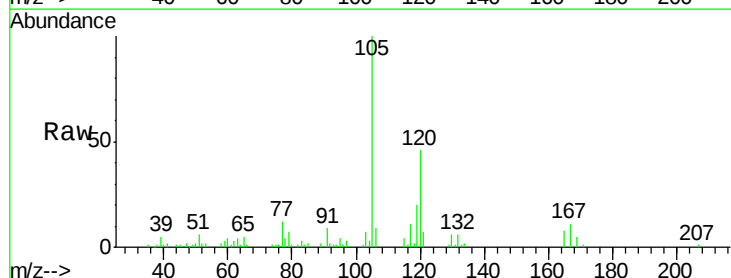
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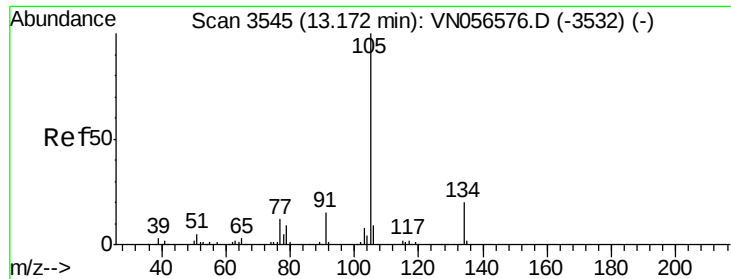
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#80
1,2,4-Trimethylbenzene
Concen: 5.280 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	53381		
120	47.1		0.0	93.4





#81

sec-Butylbenzene

Concen: 5.402 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 62920

Ion Ratio Lower Upper

105 100

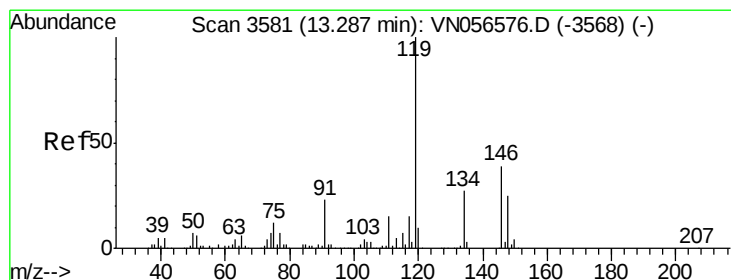
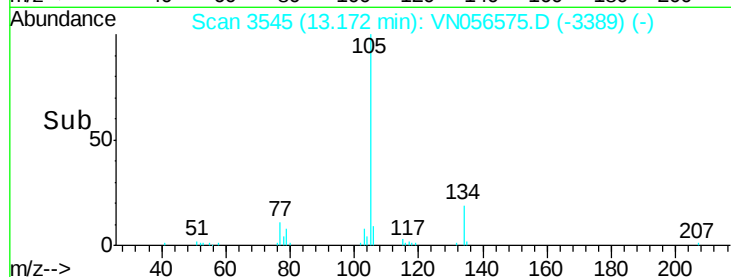
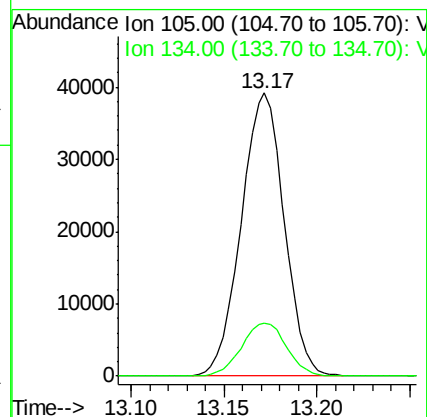
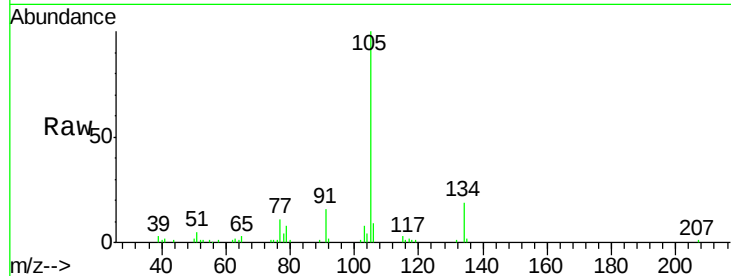
134 19.5 0.0 41.8

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#82

p-Isopropyltoluene

Concen: 5.050 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

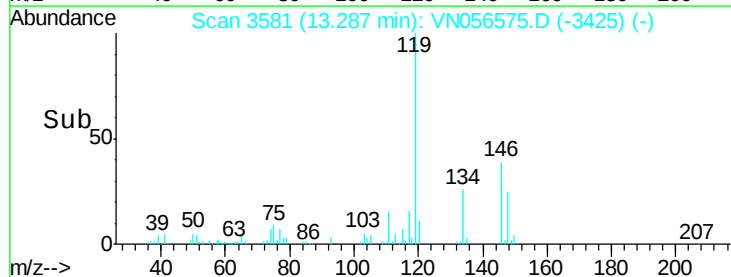
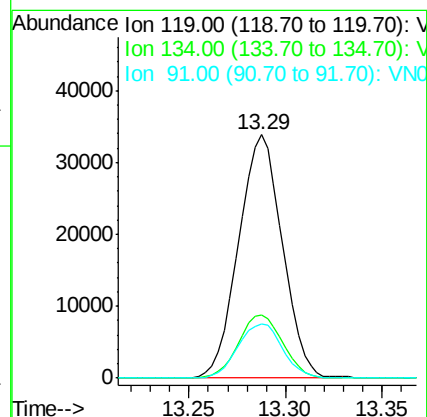
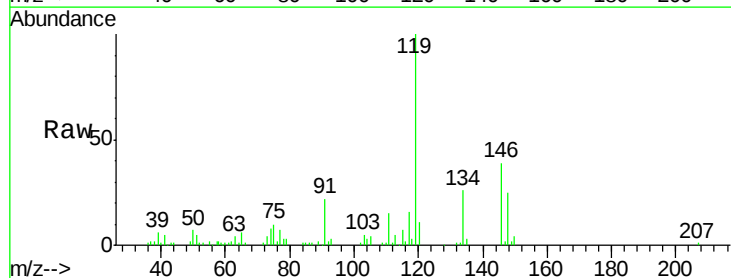
Tgt Ion:119 Resp: 53182

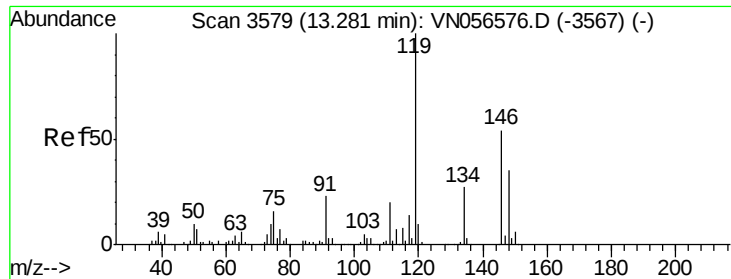
Ion Ratio Lower Upper

119 100

134 26.2 0.0 53.4

91 22.8 0.0 43.0





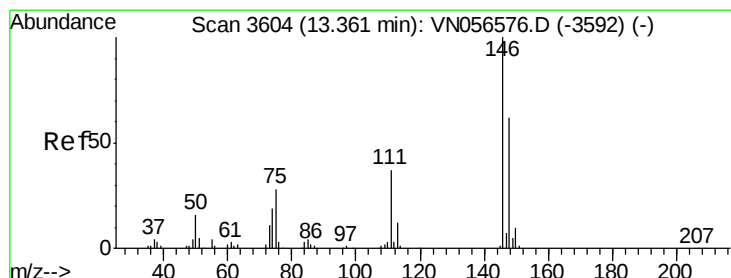
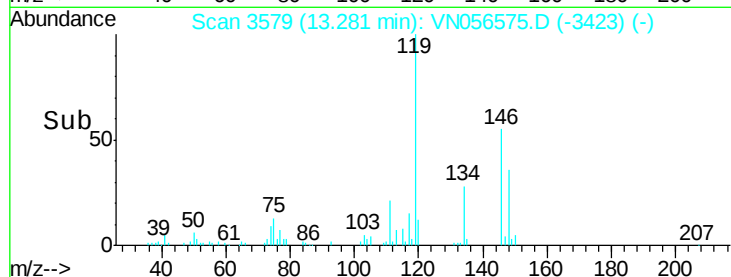
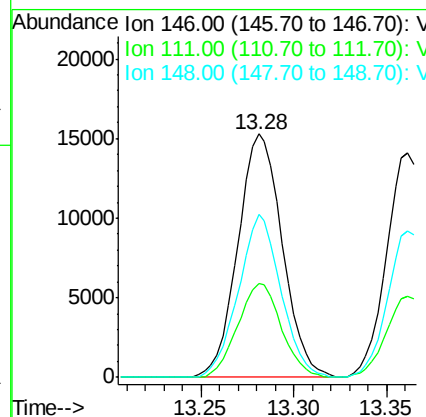
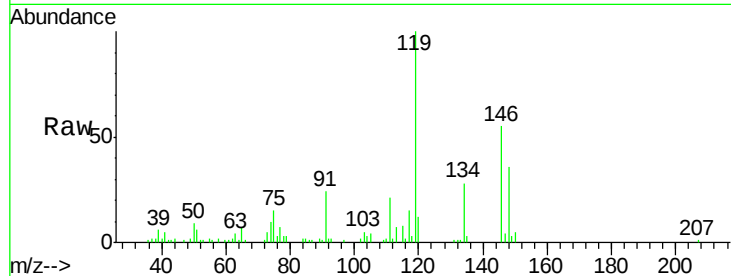
#83
 1,3-Dichlorobenzene
 Concen: 4.873 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.2	54.6
148	63.7	31.9	95.9

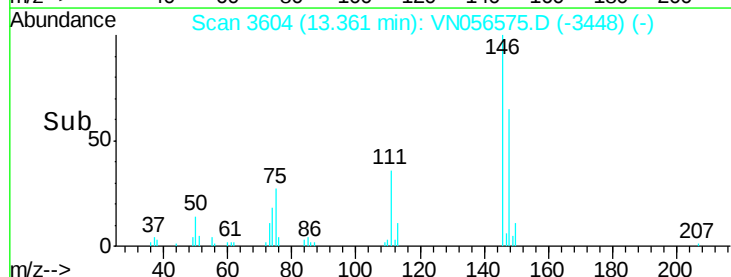
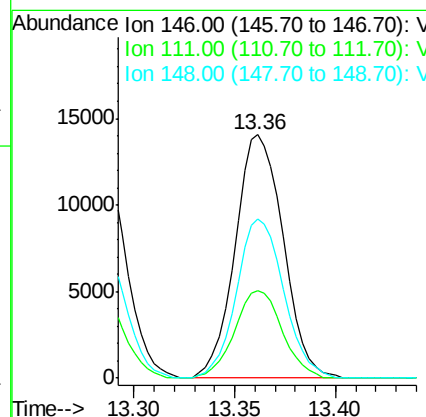
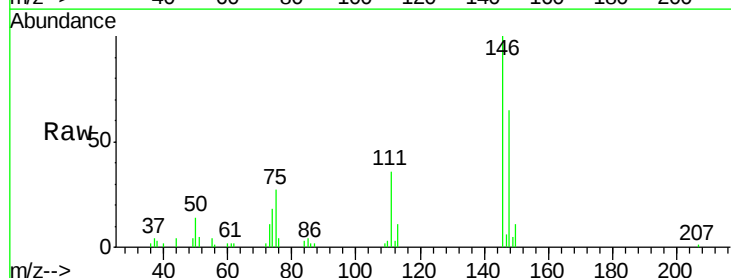
Manual Integrations
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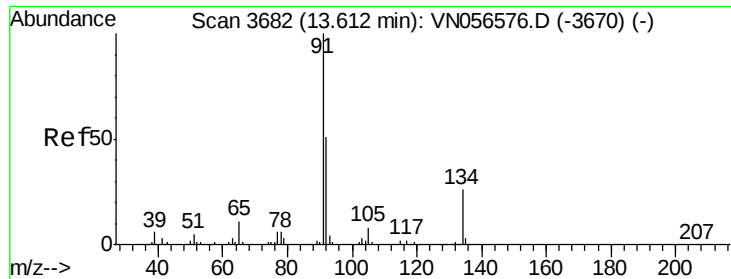
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#84
 1,4-Dichlorobenzene
 Concen: 4.719 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.6	52.9
148	64.5	32.1	96.3





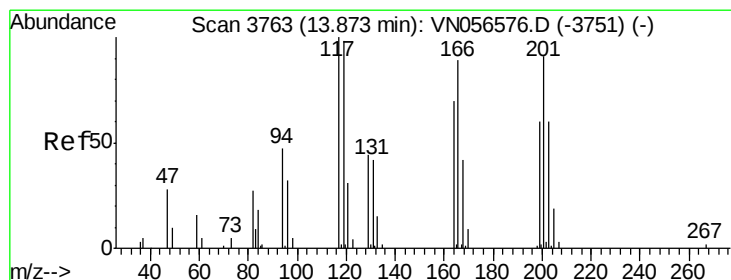
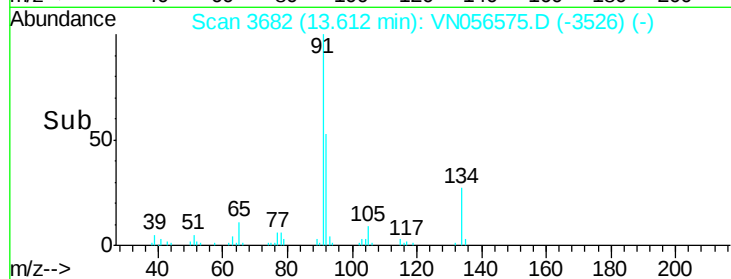
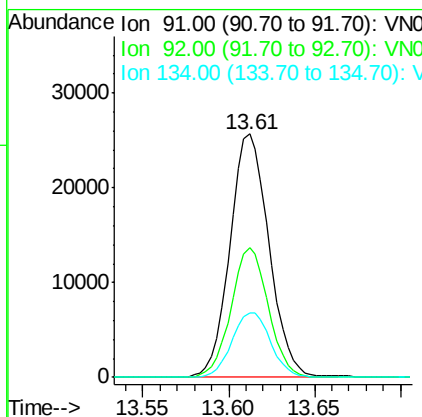
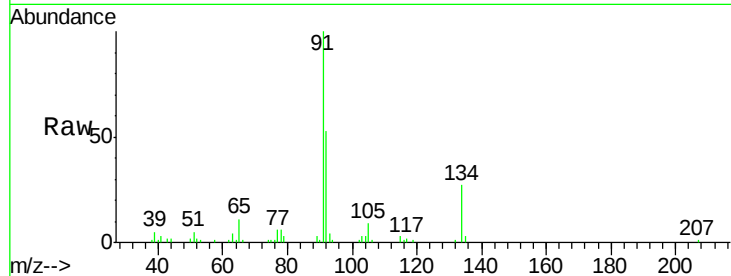
#85
n-Butylbenzene
Concen: 5.183 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	0.0	107.2
134	26.2	0.0	55.8

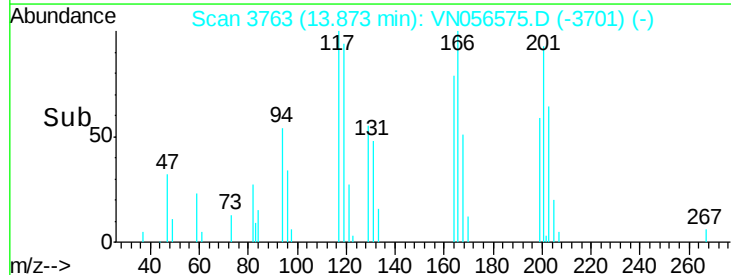
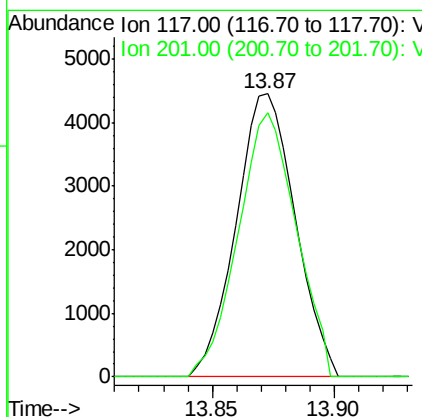
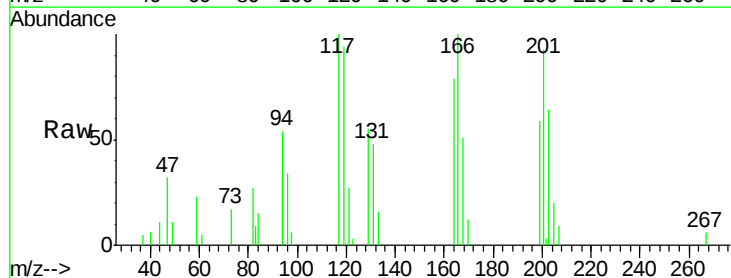
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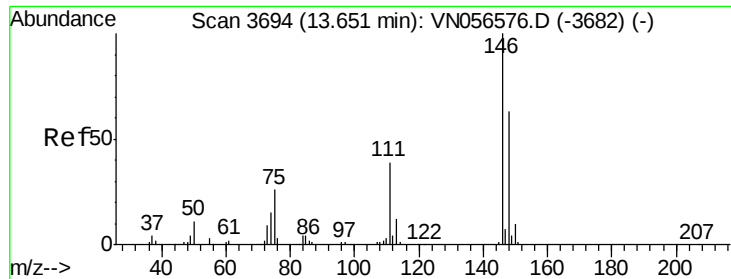
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#86
Hexachloroethane
Concen: 4.560 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 5.078 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Instrument :

MSVOA_N

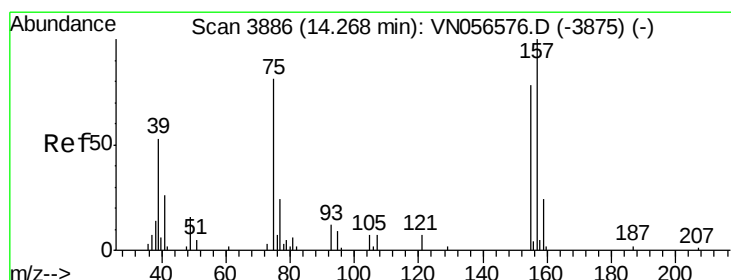
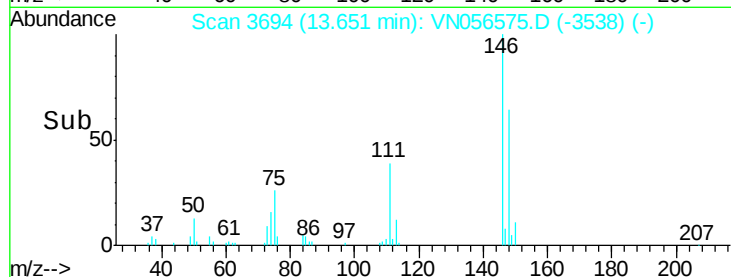
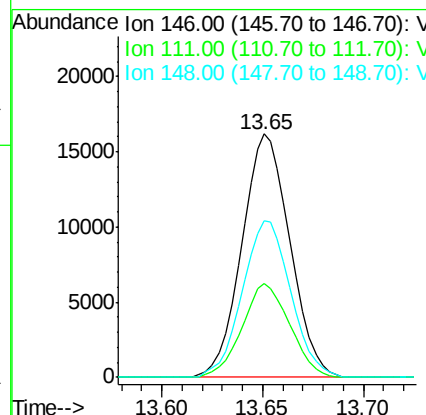
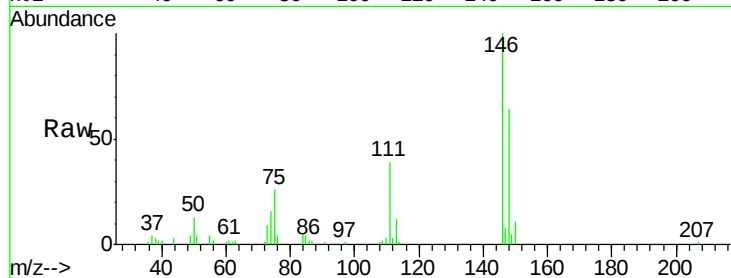
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	26977
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.3	57.9
148	64.7	32.6	97.8

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 5.965 ug/l

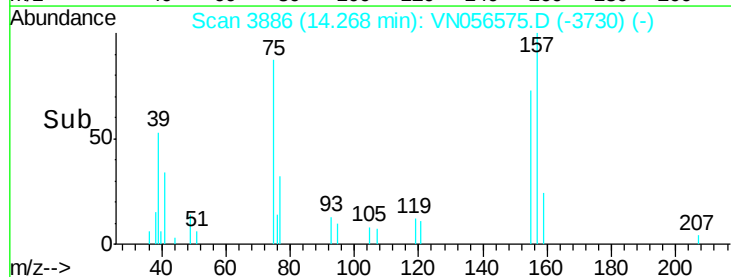
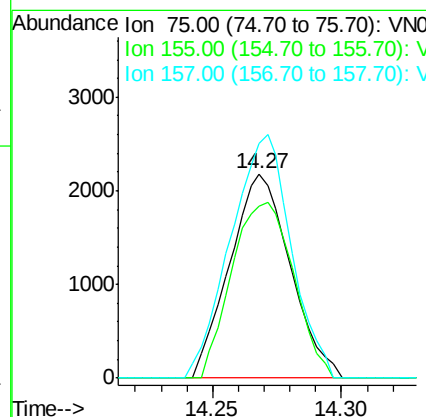
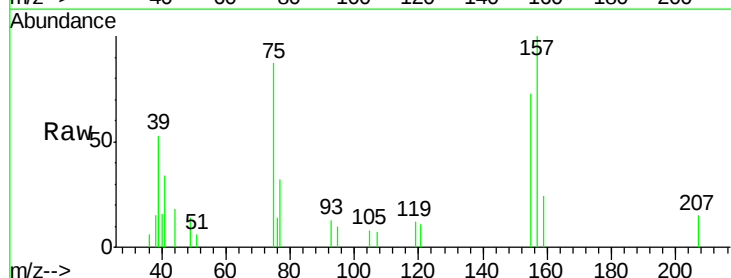
RT: 14.27 min Scan# 3886

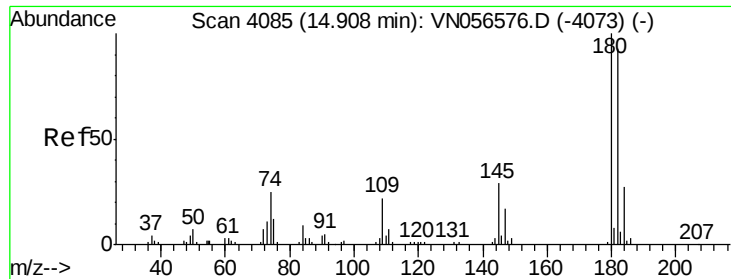
Delta R.T. 0.00 min

Lab File: VN056575.D

Acq: 3 Jul 2019 9:10

Tgt Ion:	75	Resp:	3567
Ion Ratio	Lower	Upper	
75	100		
155	88.0	82.5	123.7
157	119.2	105.1	157.7





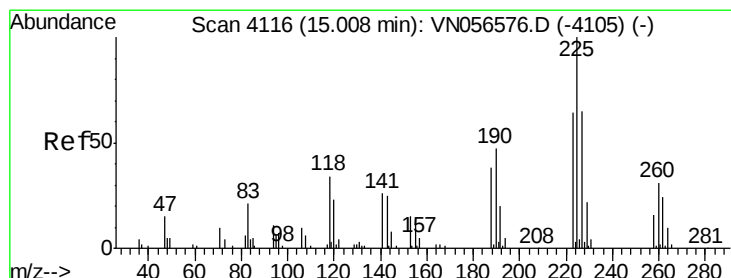
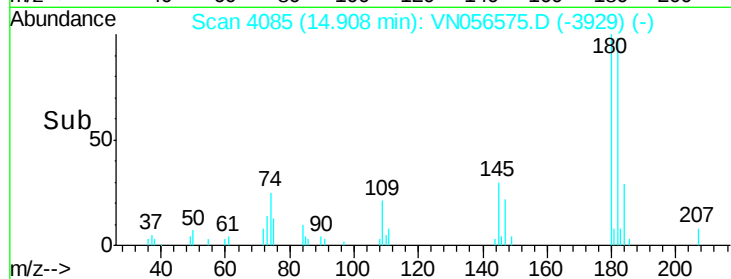
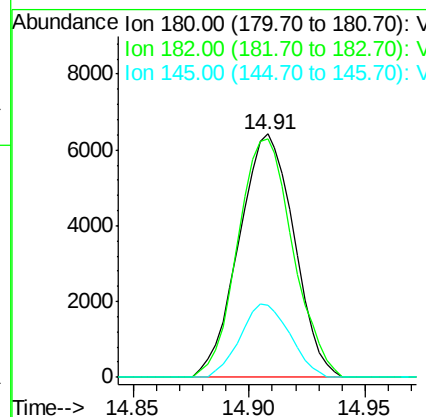
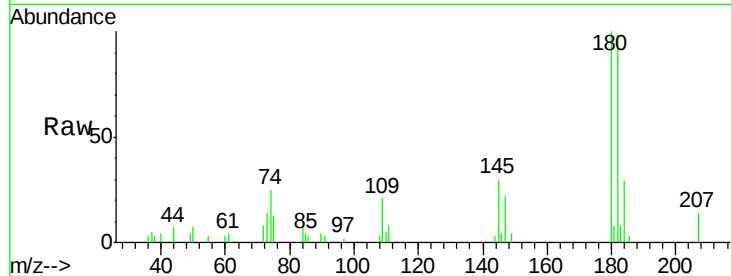
#89
 1,2,4-Trichlorobenzene
 Concen: 4.077 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	75.0	112.6
145	27.2	22.1	33.1

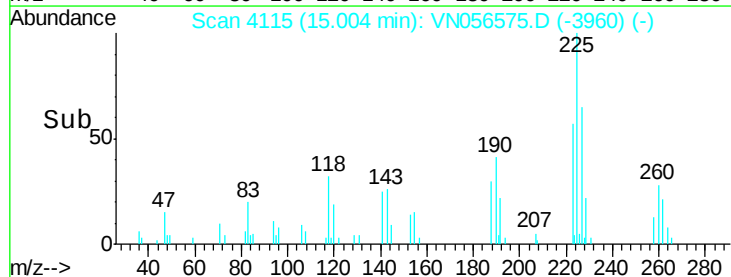
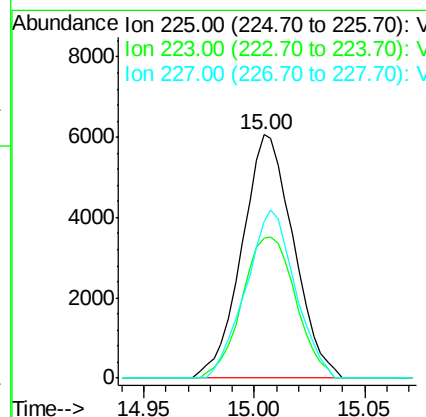
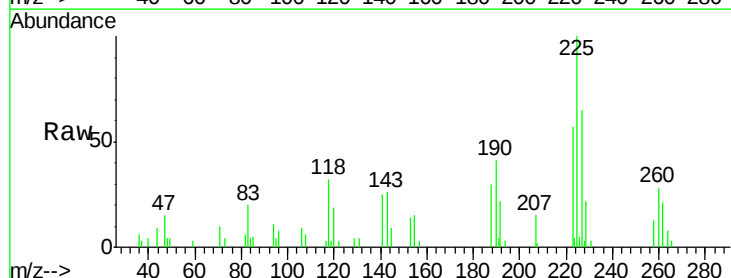
Manual Integrations
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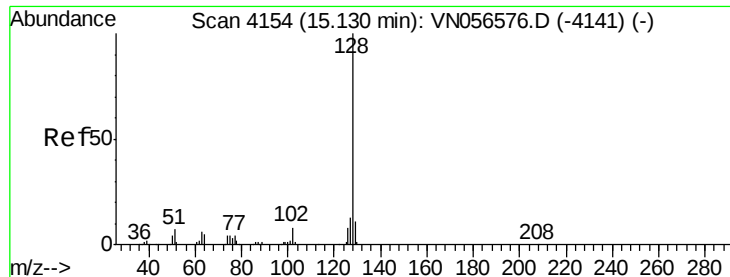
MMDadoda
 7/8/2019 10:04:42 AM



#90
 Hexachlorobutadiene
 Concen: 5.085 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056575.D
 Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	0.0	125.6
227	66.0	0.0	128.6





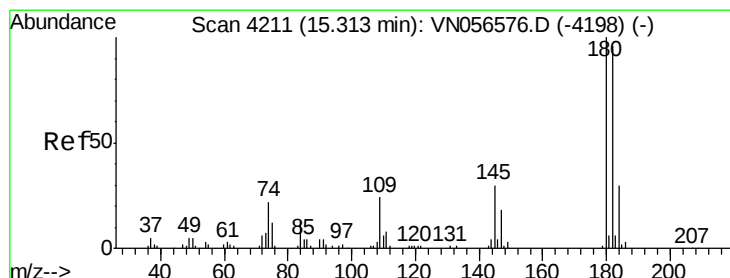
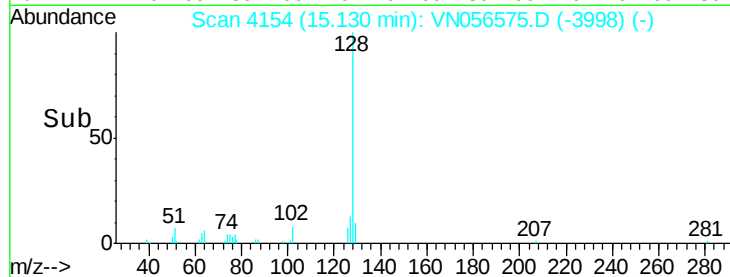
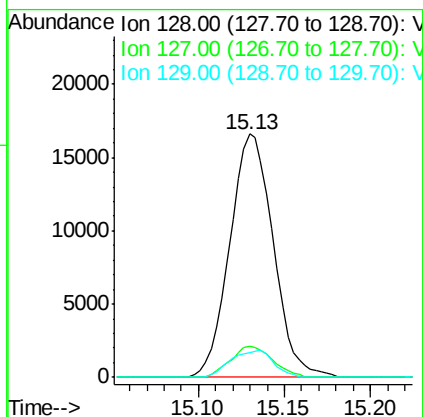
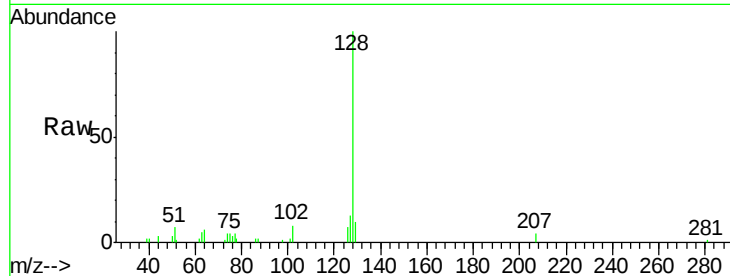
#91
Naphthalene
Concen: 4.130 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:04:42 AM



#92
1,2,3-Trichlorobenzene
Concen: 4.495 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056575.D
Acq: 3 Jul 2019 9:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	0.0	193.4
145	30.0	0.0	59.8

