

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058527.D
 Acq On : 4 Oct 2019 10:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:08:36 PM

Quant Time: Oct 04 23:59:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	381939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	642540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	594178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290804	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	276027	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	7.57	113	196492	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.08	98	785400	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.40	95	298227	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	207525	49.553	ug/l	100
3) Chloromethane	2.04	50	252632	54.870	ug/l	99
4) Vinyl Chloride	2.17	62	227464	50.432	ug/l	99
5) Bromomethane	2.54	94	113865	47.529	ug/l	96
6) Chloroethane	2.68	64	146634	54.259	ug/l	98
7) Trichlorofluoromethane	3.00	101	273669	50.280	ug/l	97
8) Diethyl Ether	3.38	74	119491	50.882	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	186394	50.425	ug/l	98
10) Methyl Iodide	3.92	142	162005	39.526	ug/l	99
11) Tert butyl alcohol	4.75	59	188638	304.230	ug/l	98
12) 1,1-Dichloroethene	3.71	96	174712	48.490	ug/l	98
13) Acrolein	3.58	56	43906	222.632	ug/l	97
14) Allyl chloride	4.29	41	347863	53.053	ug/l	99
15) Acrylonitrile	4.95	53	505824	279.909	ug/l	100
16) Acetone	3.79	43	406461	213.629	ug/l	99
17) Carbon Disulfide	4.03	76	463306	48.781	ug/l	98
18) Methyl Acetate	4.29	43	254971	53.281	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	676084	53.182	ug/l	99
20) Methylene Chloride	4.52	84	221031	50.339	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	200991	50.165	ug/l	97
22) Diisopropyl ether	5.92	45	757207	53.665	ug/l	96
23) Vinyl Acetate	5.87	43	3109017	292.226	ug/l	100
24) 1,1-Dichloroethane	5.82	63	423083	53.278	ug/l	99
25) 2-Butanone	6.81	43	688832	263.690	ug/l	99
26) 2,2-Dichloropropane	6.80	77	357219	54.718	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	242654	51.818	ug/l	98
28) Bromochloromethane	7.17	49	172735	54.418	ug/l	96
29) Tetrahydrofuran	7.19	42	454400	274.066	ug/l	99
30) Chloroform	7.35	83	422709	52.531	ug/l	100
31) Cyclohexane	7.63	56	365025	47.256	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	356706	53.981	ug/l	100
36) 1,1-Dichloropropene	7.77	75	316455	51.507	ug/l	99
37) Ethyl Acetate	6.90	43	295152	56.662	ug/l	99
38) Carbon Tetrachloride	7.75	117	299404	53.988	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	360162	50.198	ug/l	97
40) Benzene	8.02	78	924396	52.342	ug/l	100
41) Methacrylonitrile	7.16	41	139799m	58.337	ug/l	
42) 1,2-Dichloroethane	8.11	62	358555	52.185	ug/l	100
43) Isopropyl Acetate	8.15	43	516524	52.731	ug/l #	90
44) Trichloroethene	8.82	130	232791	53.383	ug/l	99
45) 1,2-Dichloropropane	9.11	63	257094	54.280	ug/l	99
46) Dibromomethane	9.20	93	161235	53.753	ug/l	97
47) Bromodichloromethane	9.39	83	322020	56.662	ug/l	99
48) Methyl methacrylate	9.19	41	249301	55.893	ug/l	99
49) 1,4-Dioxane	9.19	88	87120	1460.766	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1510534	300.213	ug/l	99
52) Toluene	10.15	92	574818	51.711	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	367868	59.471	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	396534	57.750	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	229445	56.687	ug/l	97
56) Ethyl methacrylate	10.43	69	356924	58.114	ug/l	99
57) 1,3-Dichloropropane	10.71	76	402682	55.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	870406	355.411	ug/l	99
59) 2-Hexanone	10.75	43	1131185	308.753	ug/l	100
60) Dibromochloromethane	10.90	129	230243	54.987	ug/l	99
61) 1,2-Dibromoethane	11.00	107	229964	55.604	ug/l	100
64) Tetrachloroethene	10.63	164	202397	53.615	ug/l	99
65) Chlorobenzene	11.43	112	614637	52.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	222690	55.961	ug/l	100
67) Ethyl Benzene	11.51	91	1142410	53.401	ug/l	99
68) m/p-Xylenes	11.62	106	832926	103.483	ug/l	98
69) o-Xylene	11.95	106	403320	52.053	ug/l	98
70) Styrene	11.97	104	689689	54.792	ug/l	99
71) Bromoform	12.13	173	144318	52.445	ug/l #	100
73) Isopropylbenzene	12.25	105	1089739	50.707	ug/l	100
74) N-amyl acetate	12.07	43	484402	56.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	328000	51.613	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	299248m	56.339	ug/l	
77) Bromobenzene	12.53	156	255860	50.774	ug/l	97
78) n-propylbenzene	12.60	91	1315314	54.325	ug/l	100
79) 2-Chlorotoluene	12.68	91	772606	51.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	934638	51.953	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	101053	57.782	ug/l	99
82) 4-Chlorotoluene	12.78	91	806170	52.865	ug/l	99
83) tert-Butylbenzene	13.00	119	775194	51.065	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	941929	52.258	ug/l	100
85) sec-Butylbenzene	13.18	105	1080219	54.064	ug/l	100
86) p-Isopropyltoluene	13.29	119	979209	55.676	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	475943	52.087	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	470732	51.780	ug/l	99
89) n-Butylbenzene	13.62	91	927328	58.206	ug/l	100
90) Hexachloroethane	13.88	117	147558	55.840	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	464066	52.858	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	65080	58.073	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	287305	59.220	ug/l	100
94) Hexachlorobutadiene	15.02	225	140564	56.370	ug/l	100
95) Naphthalene	15.13	128	778960	54.829	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	266720	54.838	ug/l	99

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

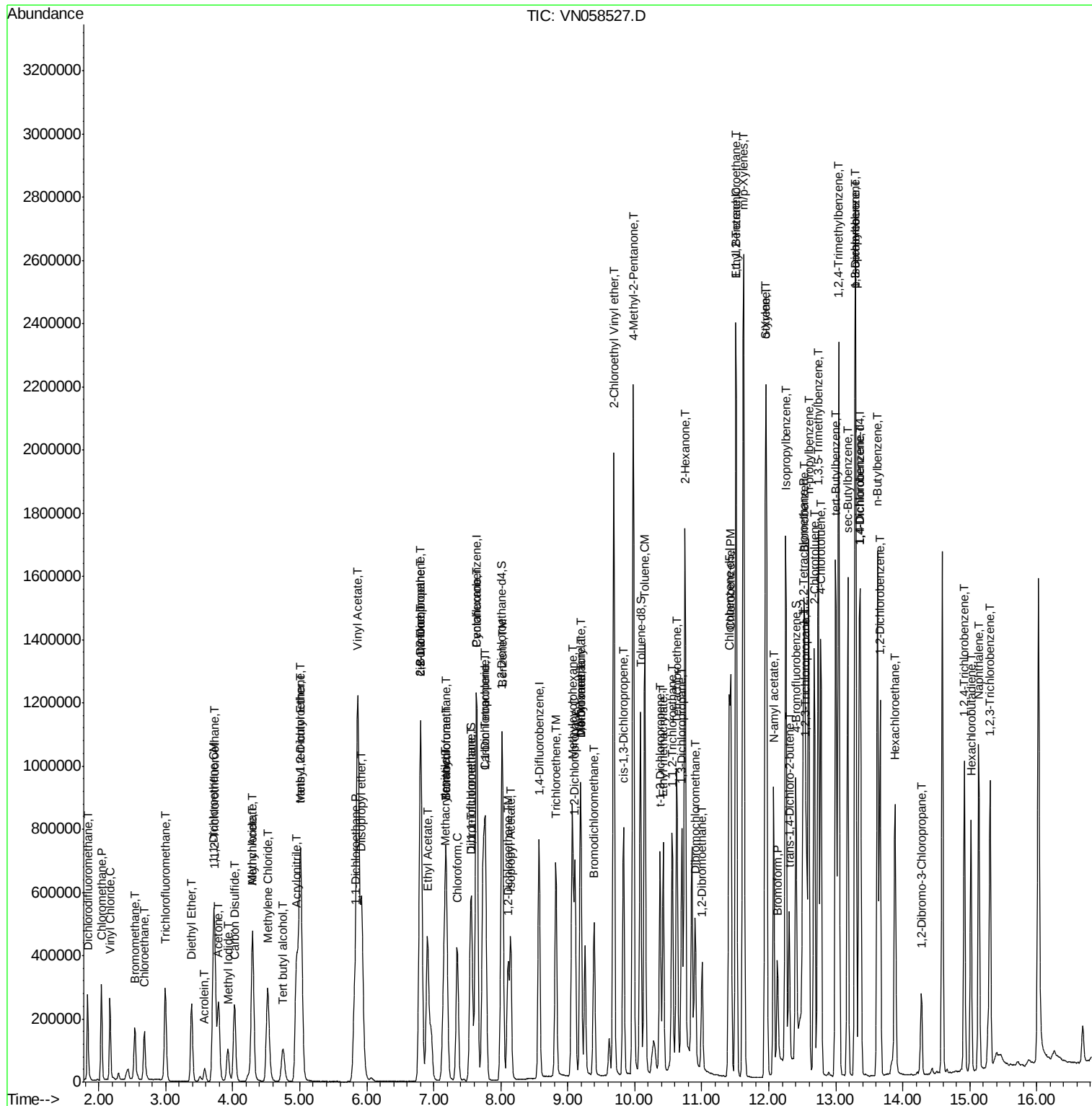
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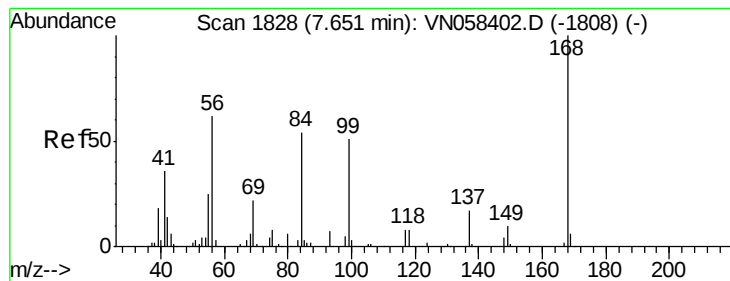
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 381939

Ion Ratio Lower Upper

168 100

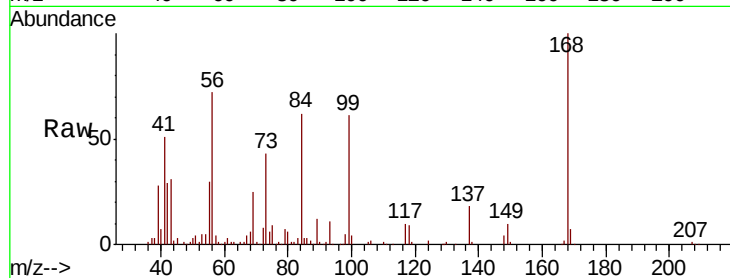
99 60.6 47.7 71.5

Manual Integrations

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10/7/2019 12:08:36 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

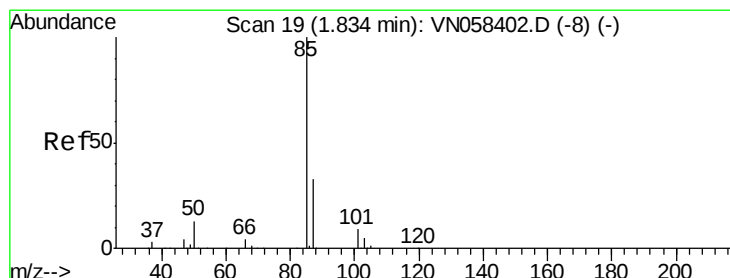
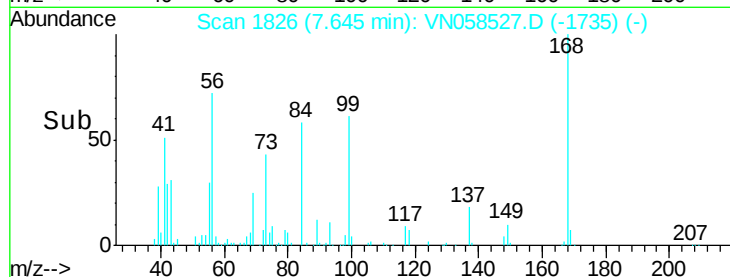
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.553 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058527.D

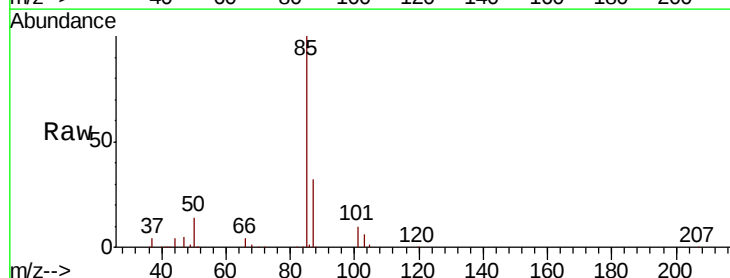
Acq: 4 Oct 2019 10:12

Tgt Ion: 85 Resp: 207525

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

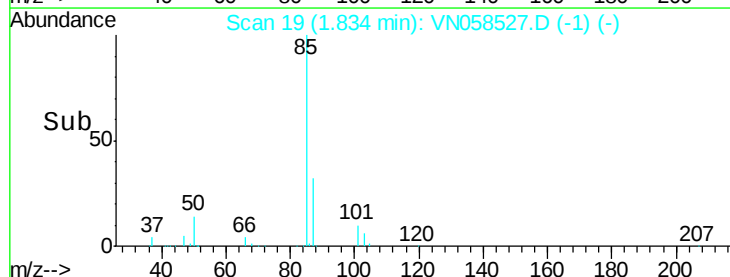
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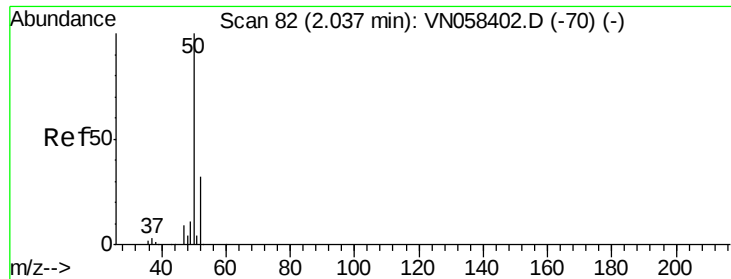
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 54.870 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 252632

Ion Ratio Lower Upper

50 100

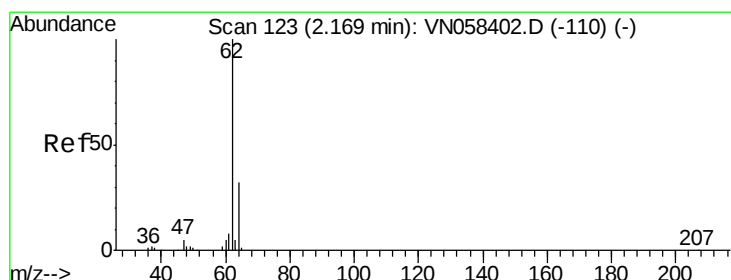
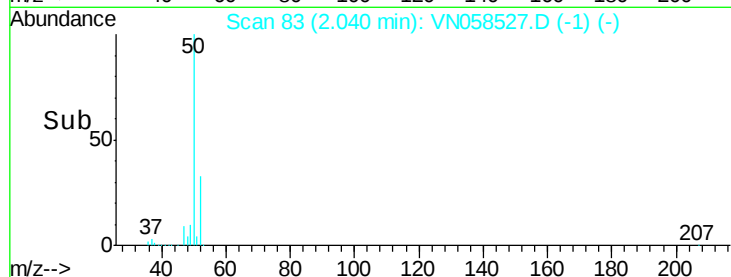
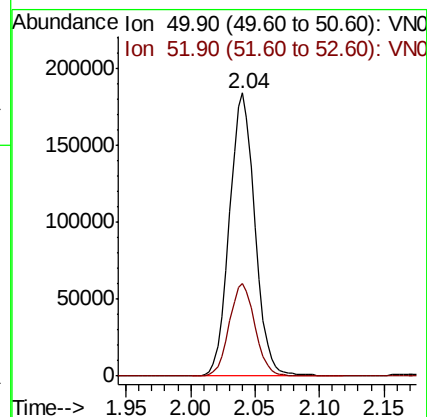
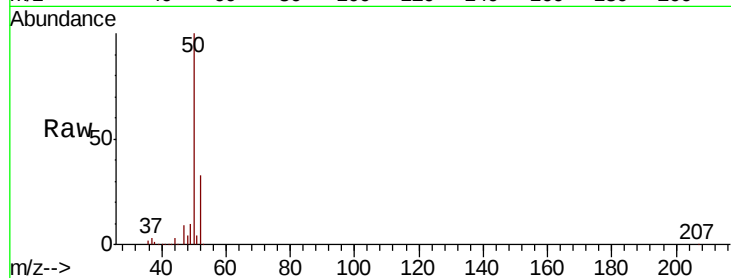
52 32.7 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.432 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058527.D

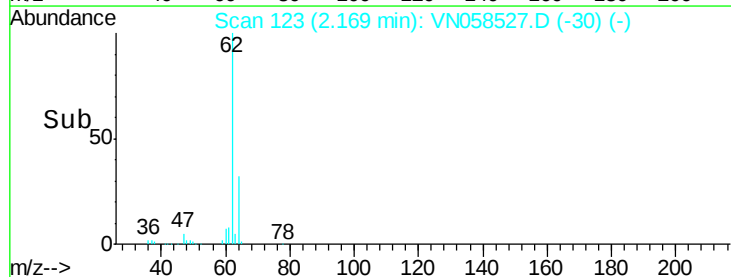
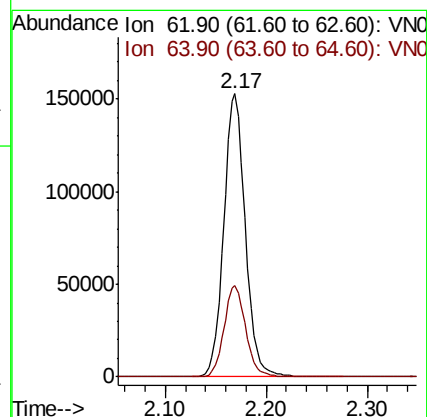
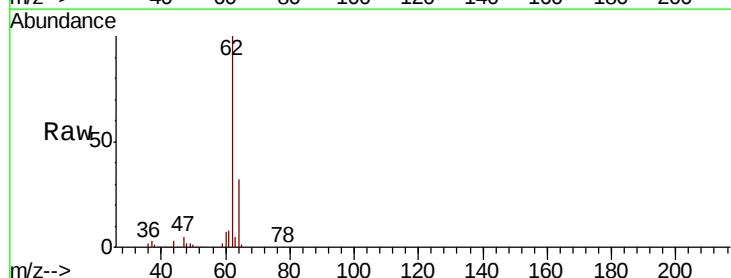
Acq: 4 Oct 2019 10:12

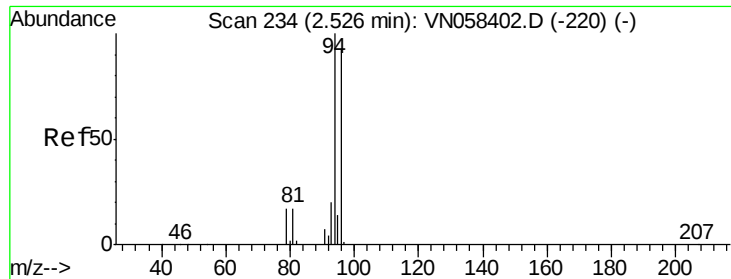
Tgt Ion: 62 Resp: 227464

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 47.529 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 113865

Ion Ratio Lower Upper

94 100

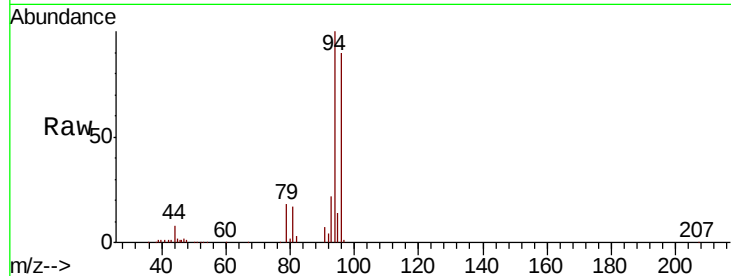
96 89.8 74.8 112.2

Manual Integrations

APPROVED

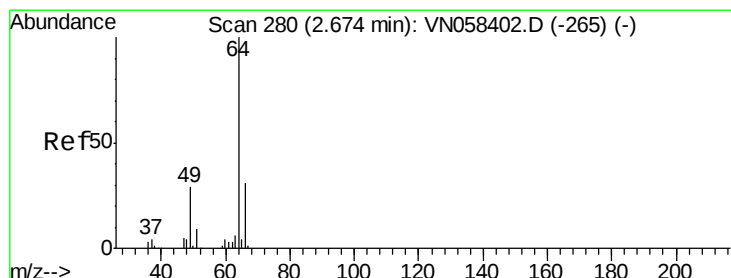
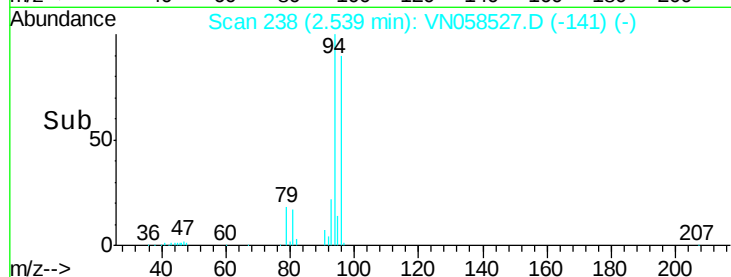
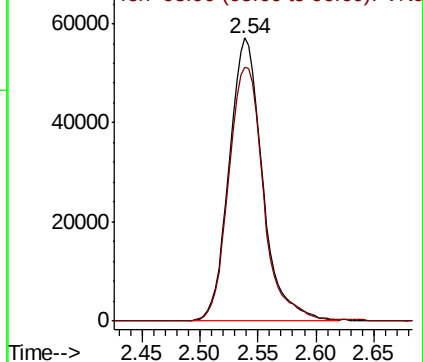
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 54.259 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058527.D

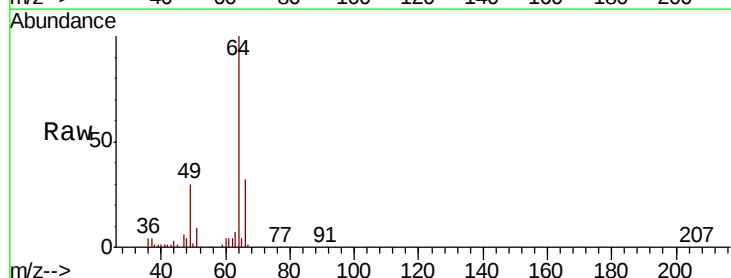
Acq: 4 Oct 2019 10:12

Tgt Ion: 64 Resp: 146634

Ion Ratio Lower Upper

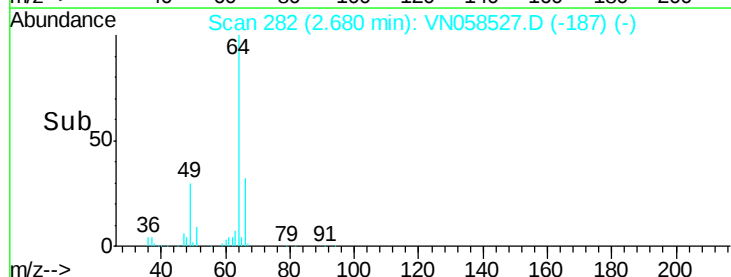
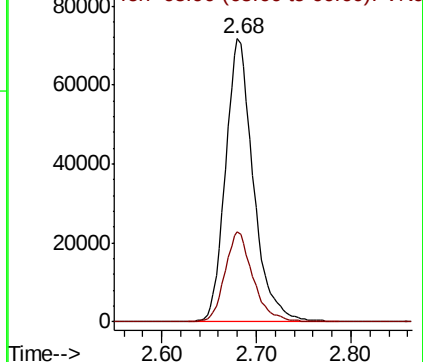
64 100

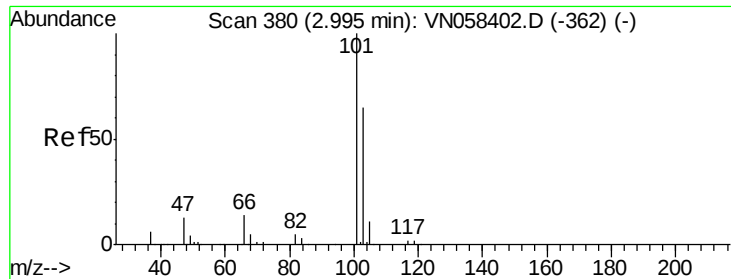
66 31.8 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

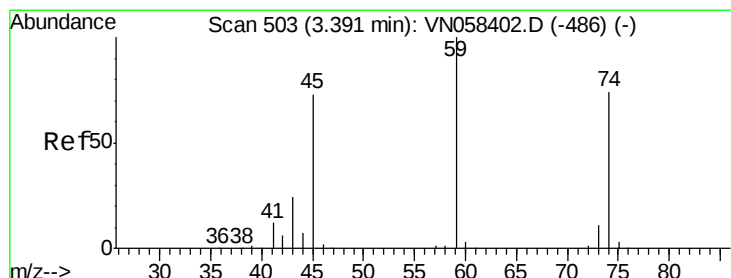
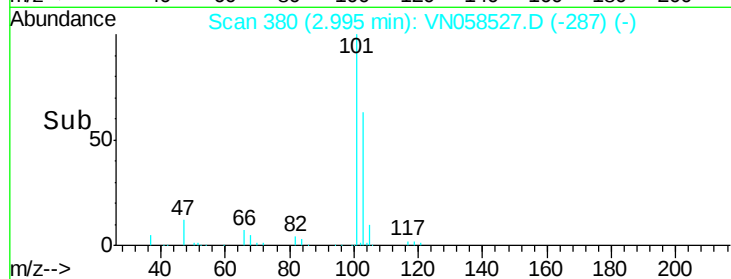
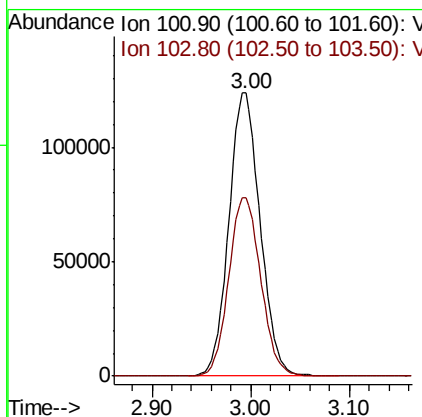
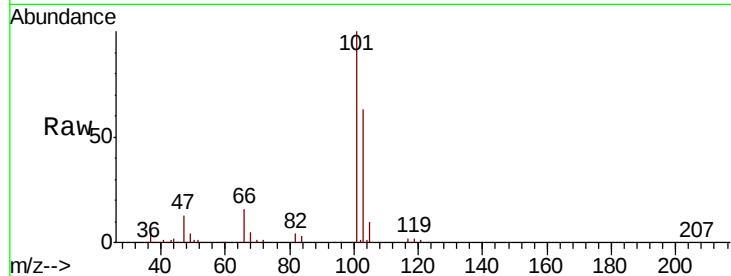
Trichlorofluoromethane
 Concen: 50.280 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.3	78.5

Manual Integrations
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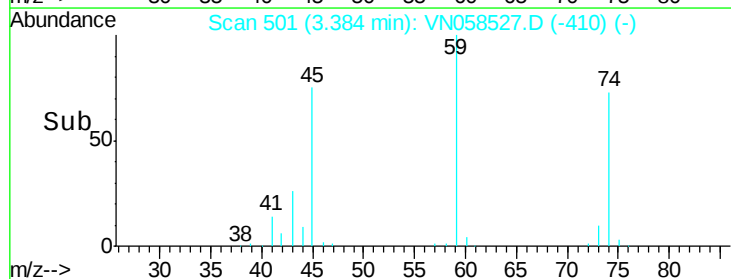
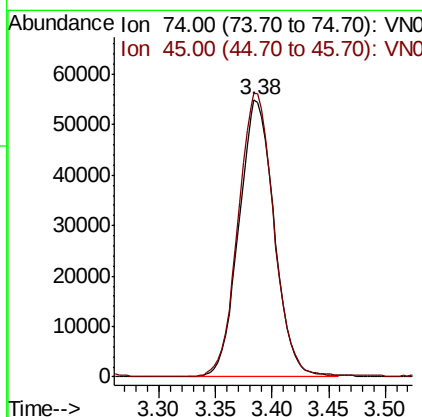
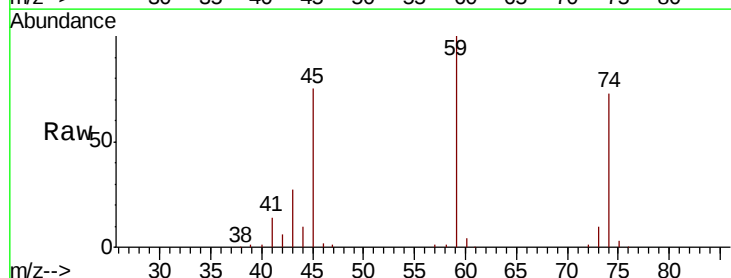
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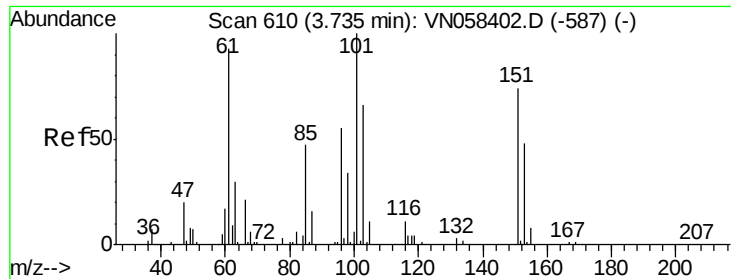


#8

Diethyl Ether
 Concen: 50.882 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN058527.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.425 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

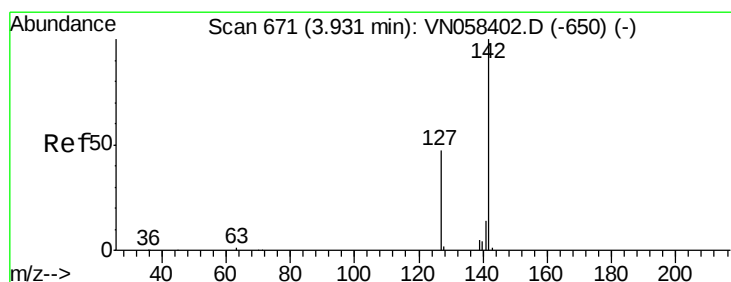
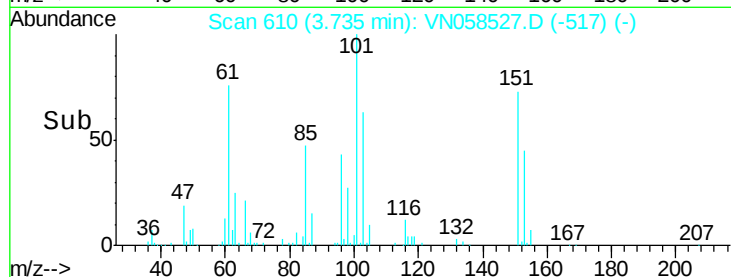
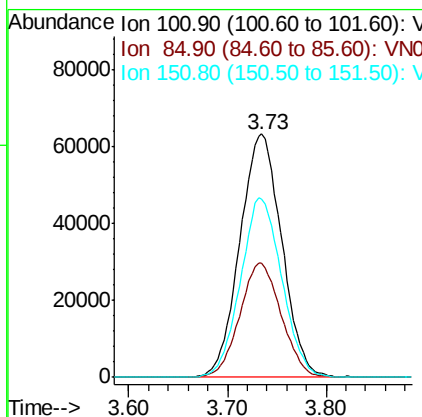
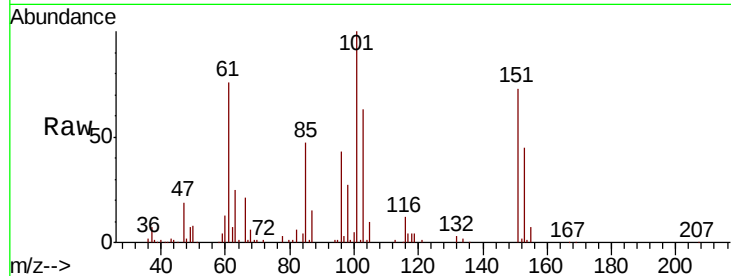
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	186394
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.7	55.1
151	72.8	59.4	89.0

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#10

Methyl Iodide

Concen: 39.526 ug/l

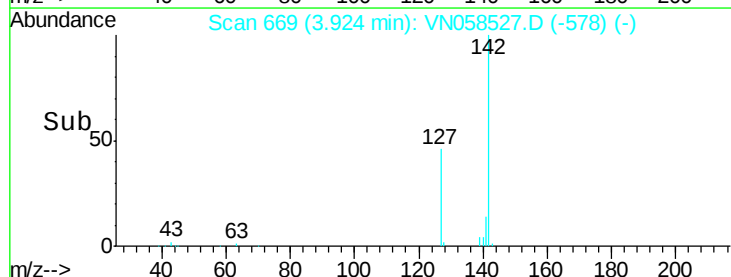
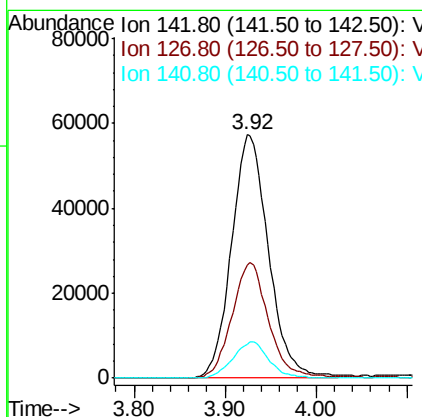
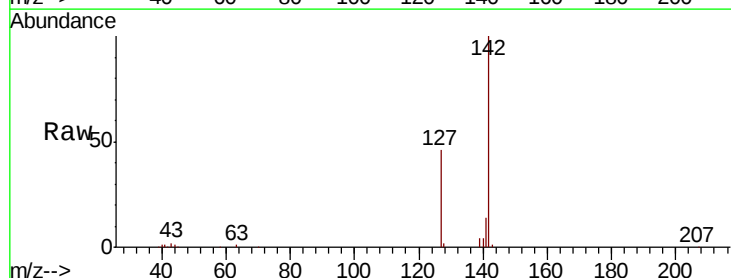
RT: 3.92 min Scan# 669

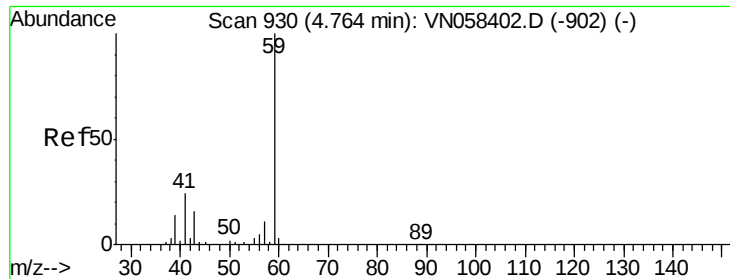
Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Tgt Ion:	142	Resp:	162005
Ion Ratio	Lower	Upper	
142	100		
127	47.0	37.2	55.8
141	14.4	11.3	16.9





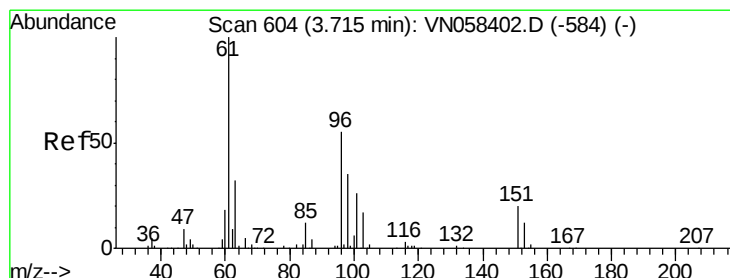
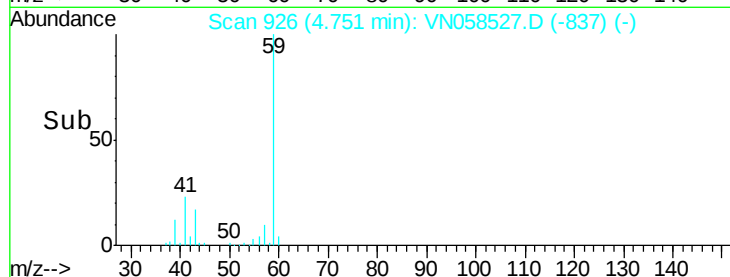
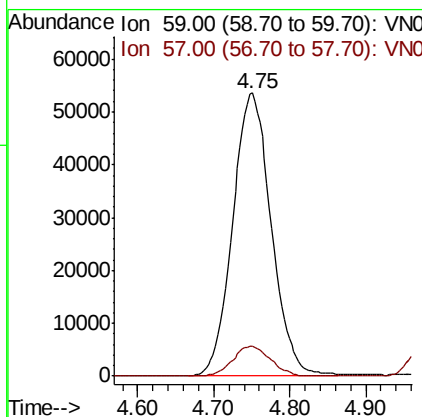
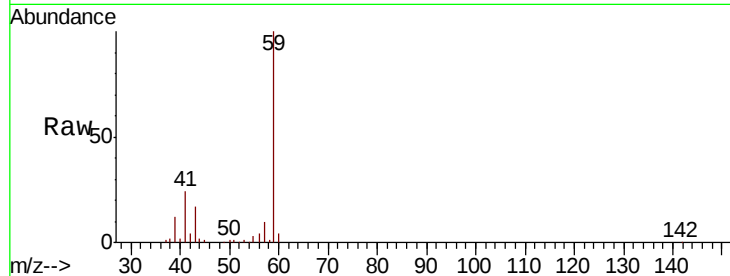
#11
Tert butyl alcohol
Concen: 304.230 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	188638
Ion Ratio	100	Lower	Upper
57	10.5	9.0	13.4

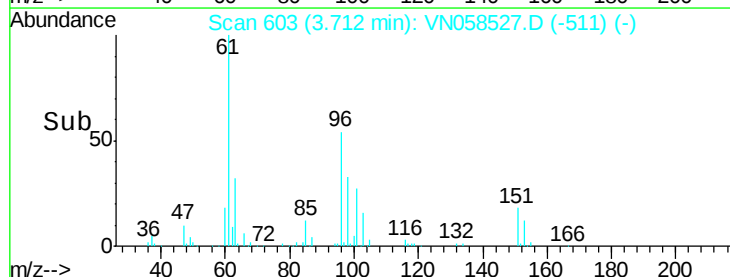
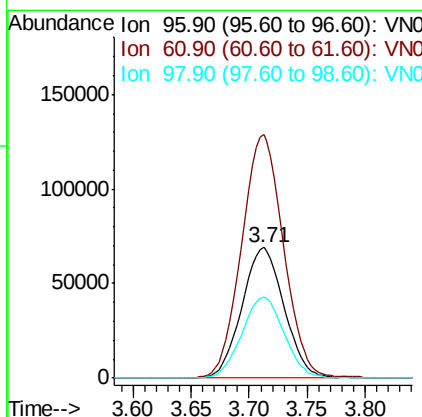
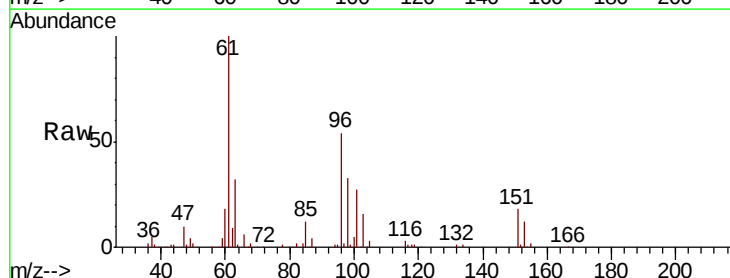
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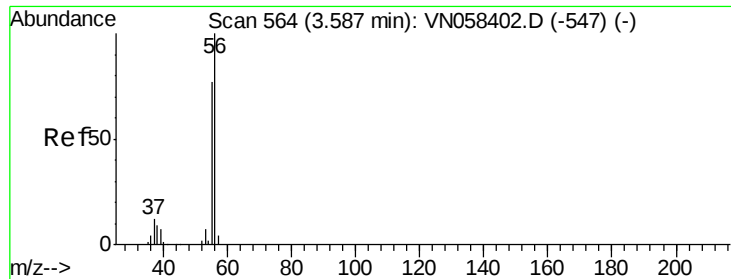
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.490 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	96	Resp	174712
Ion Ratio	100	Lower	Upper
61	186.5	146.7	220.1
98	61.9	51.3	76.9





#13

Acrolein

Concen: 222.632 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43906

Ion Ratio Lower Upper

56 100

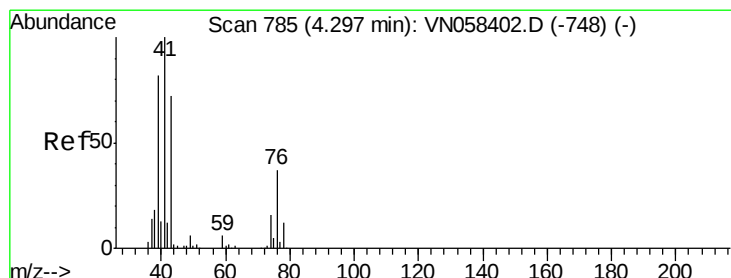
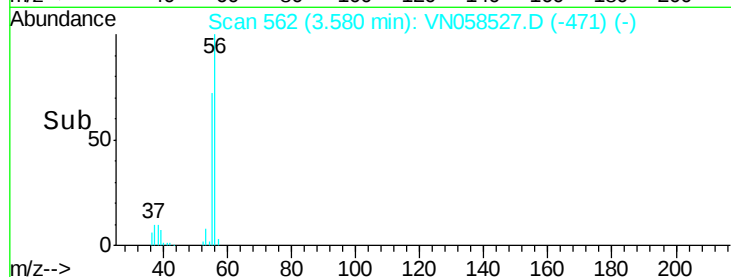
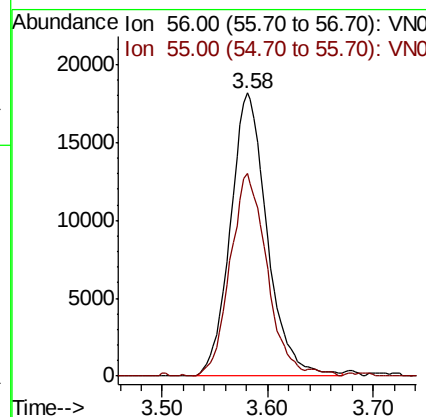
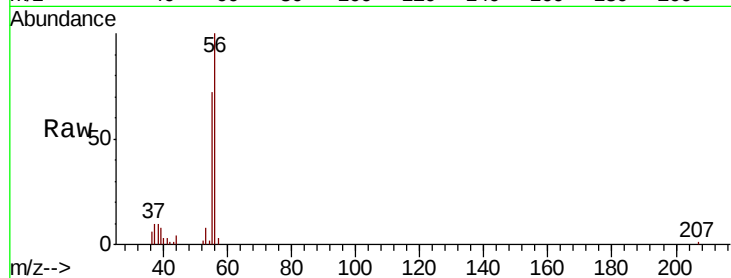
55 70.7 58.3 87.5

Manual Integrations

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#14

Allyl chloride

Concen: 53.053 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

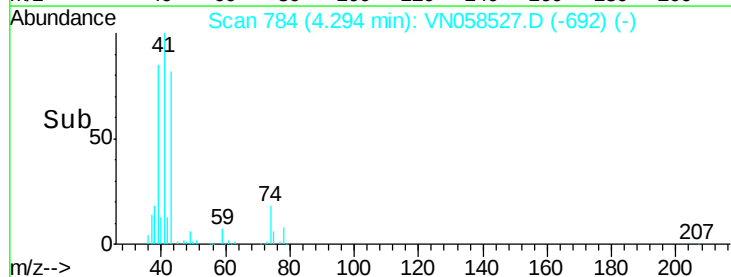
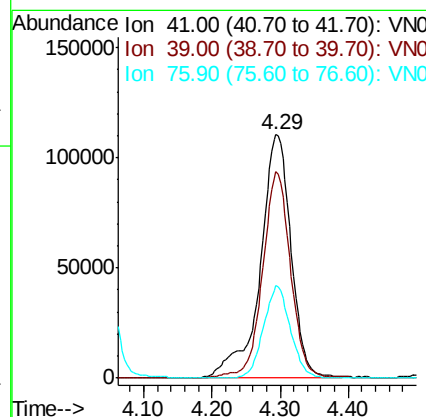
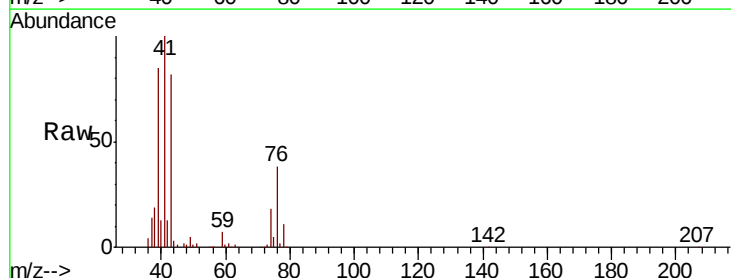
Tgt Ion: 41 Resp: 347863

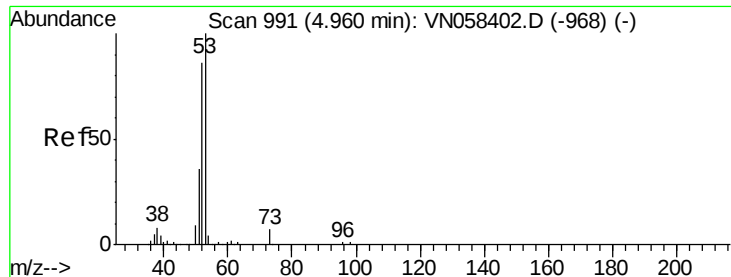
Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

76 33.0 26.9 40.3





#15

Acrylonitrile

Concen: 279.909 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

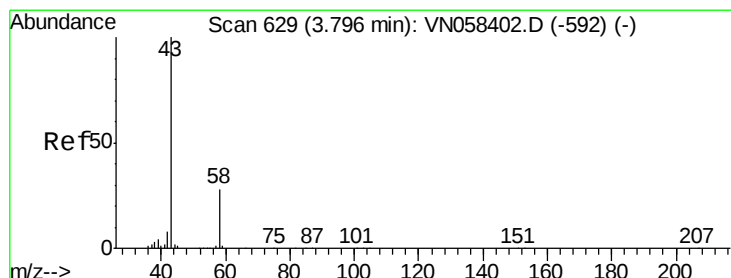
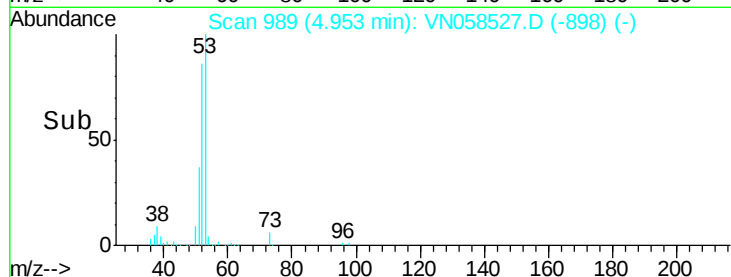
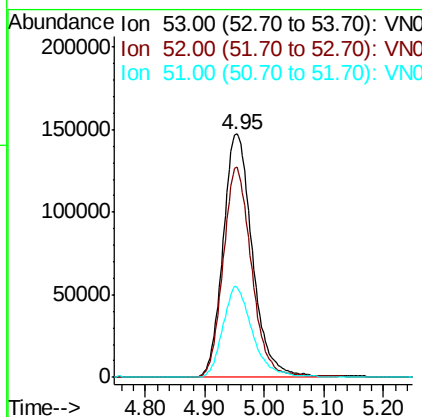
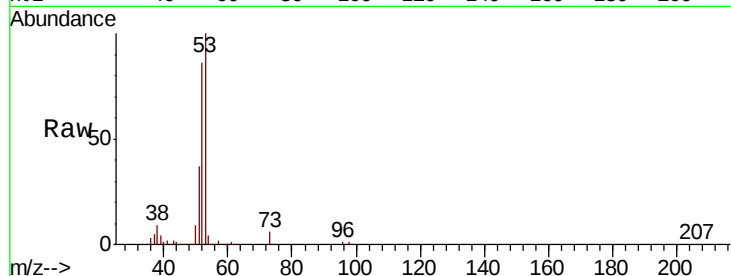
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	505824
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.6	100.0
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 213.629 ug/l

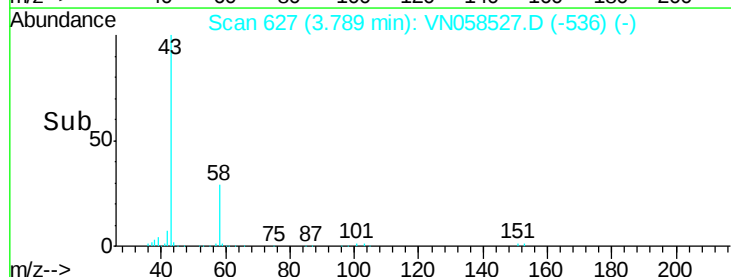
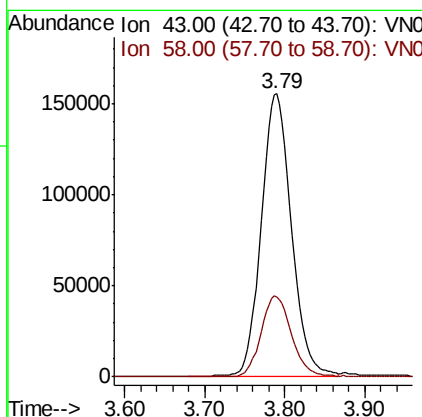
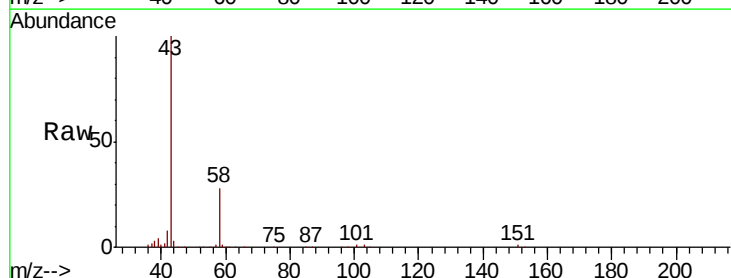
RT: 3.79 min Scan# 627

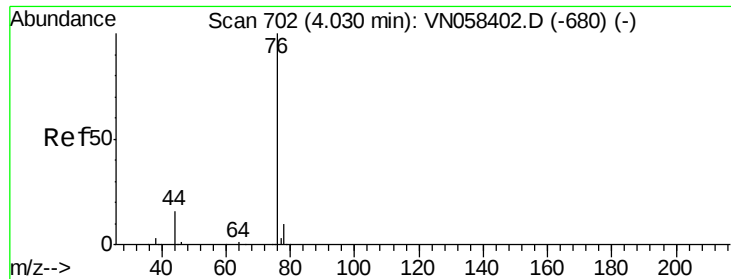
Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Tgt Ion:	43	Resp:	406461
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.4	33.6





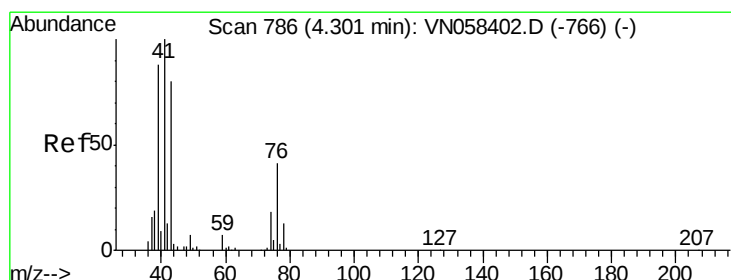
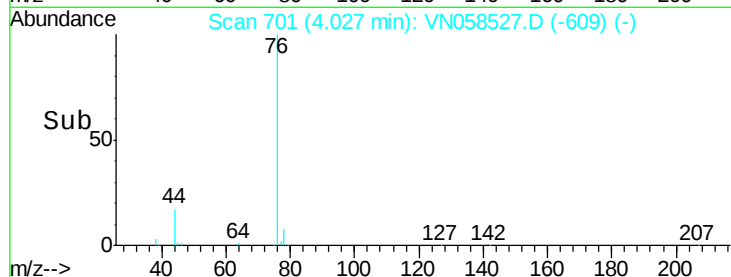
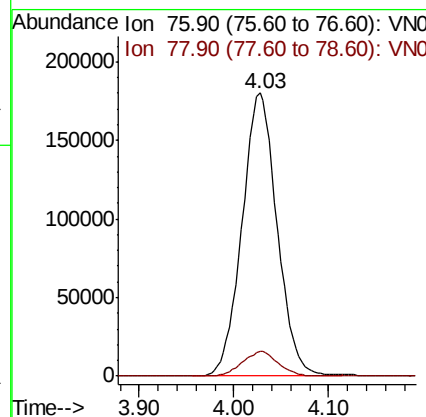
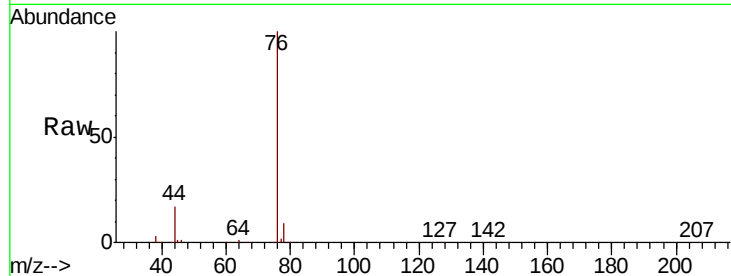
#17
Carbon Disulfide
Concen: 48.781 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.7	11.5

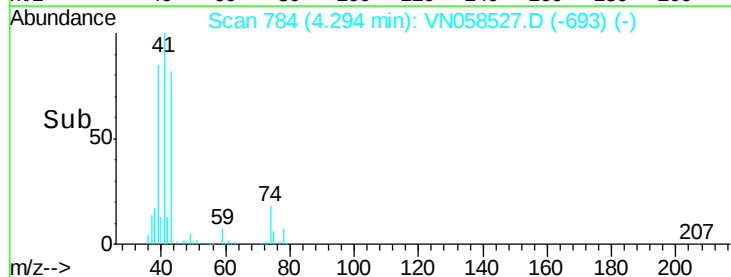
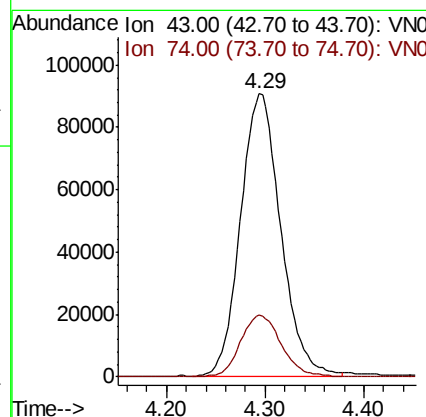
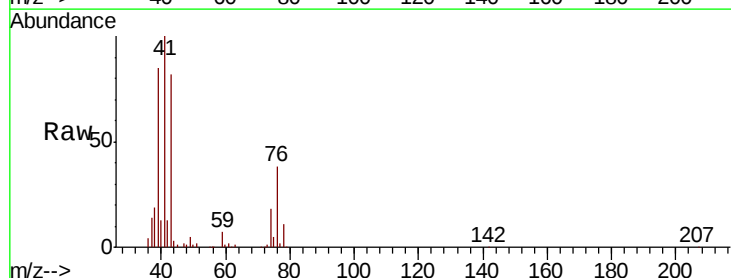
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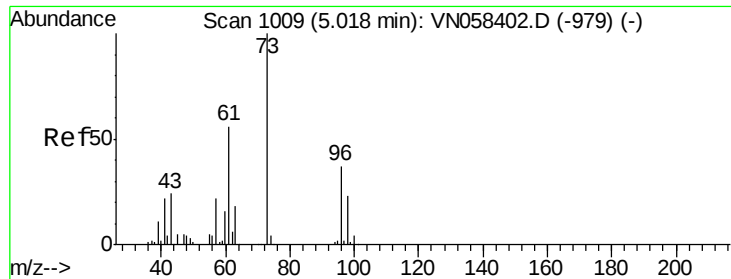
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#18
Methyl Acetate
Concen: 53.281 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.0	27.0





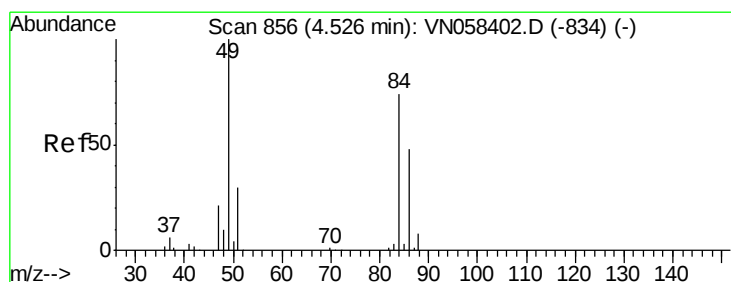
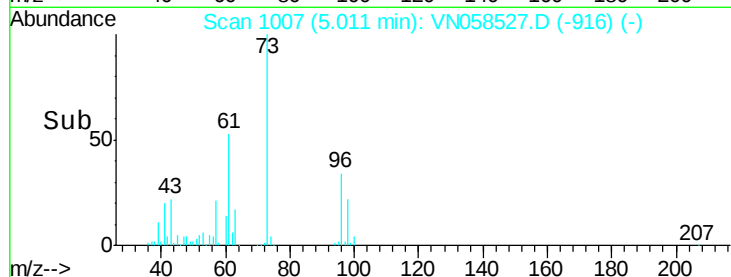
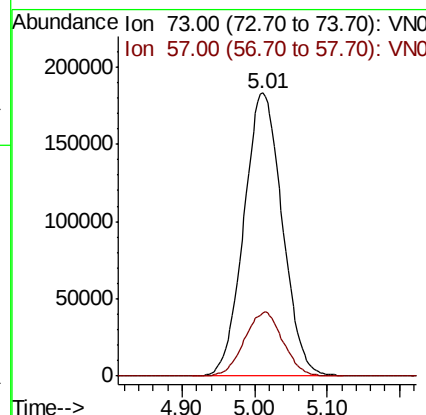
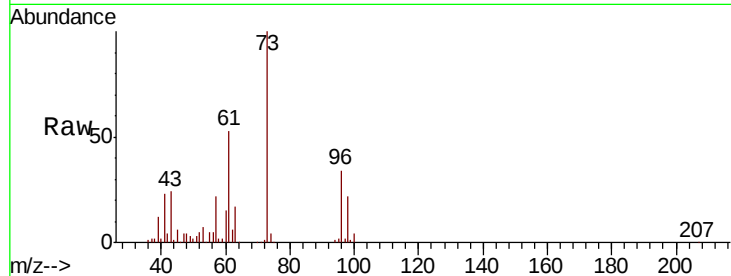
#19
Methvl tert-butvl Ether
Concen: 53.182 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 676084
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4

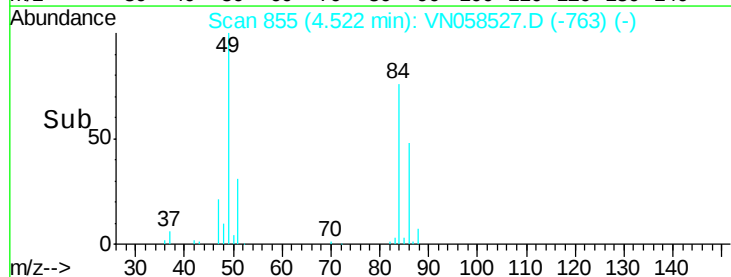
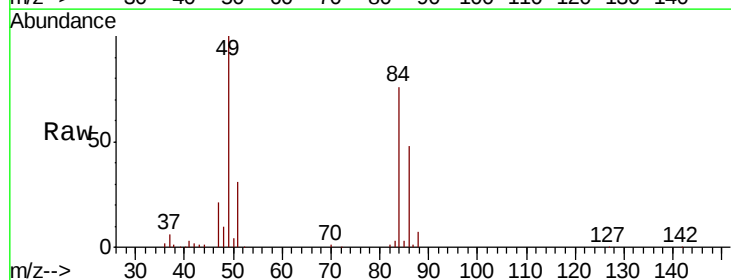
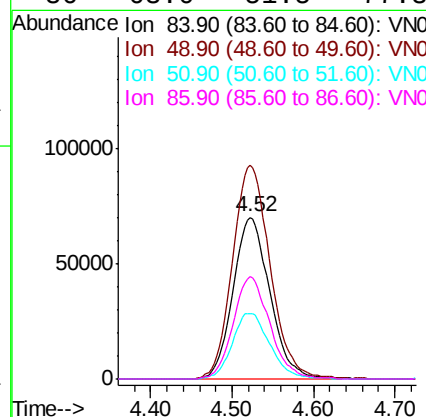
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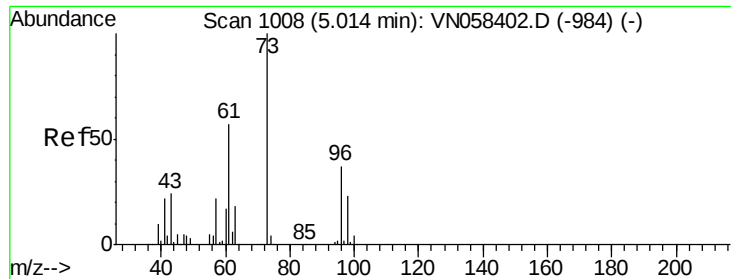
MMDadoda
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#20
Methylene Chloride
Concen: 50.339 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 84 Resp: 221031
Ion Ratio Lower Upper
84 100
49 131.9 107.9 161.9
51 40.6 32.8 49.2
86 63.0 51.5 77.3





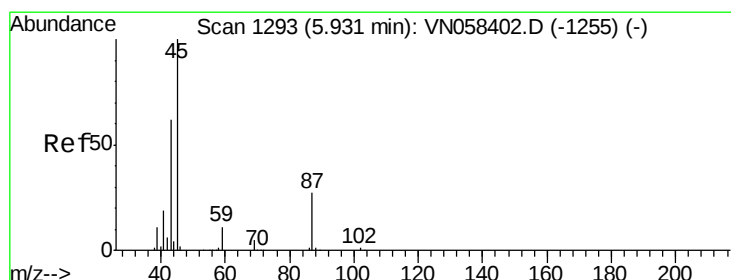
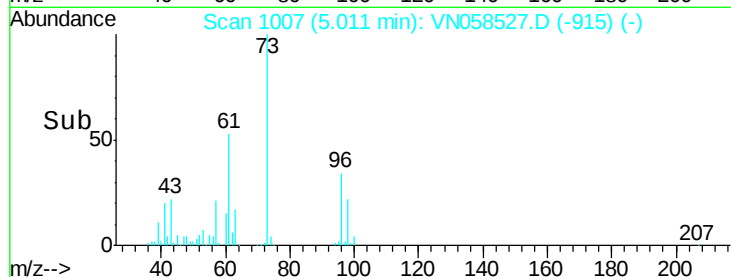
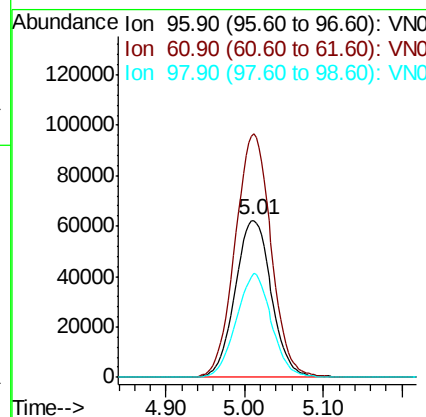
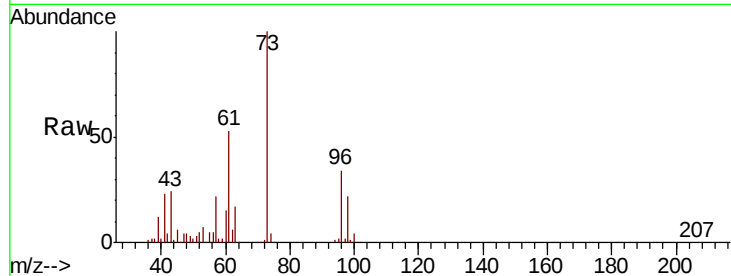
#21
trans-1,2-Dichloroethene
Concen: 50.165 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.0	121.9	182.9
98	66.1	49.3	73.9

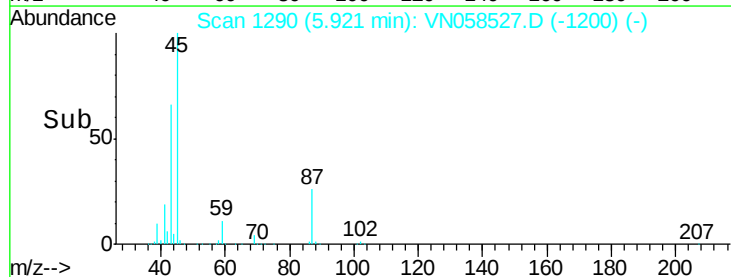
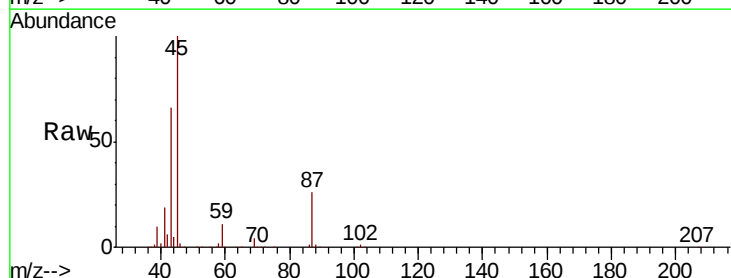
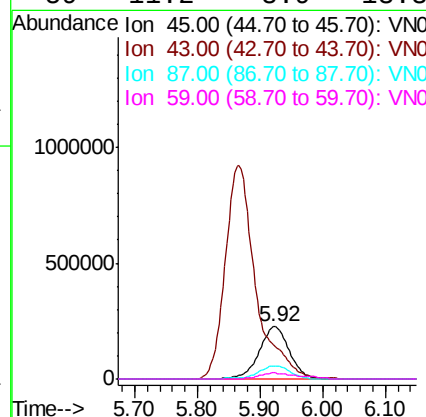
Manual Integrations
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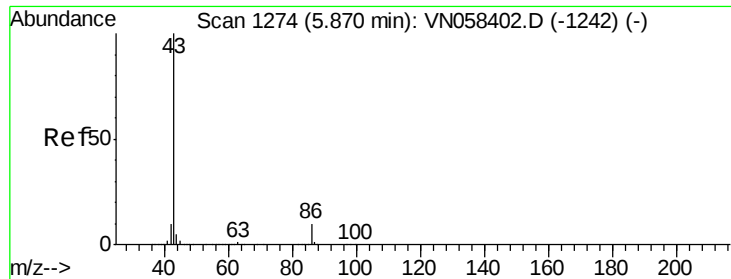
MMDadoda
10/7/2019 12:08:36 PM



#22
Diisopropyl ether
Concen: 53.665 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.6	49.7	74.5
87	25.6	21.5	32.3
59	11.2	8.9	13.3





#23

Vinyl Acetate

Concen: 292.226 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3109017

Ion Ratio Lower Upper

43 100

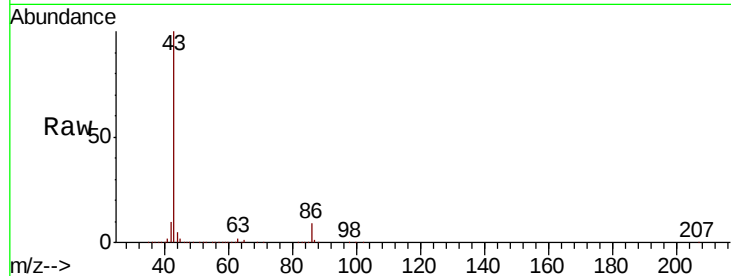
86 9.4 7.7 11.5

Manual Integrations

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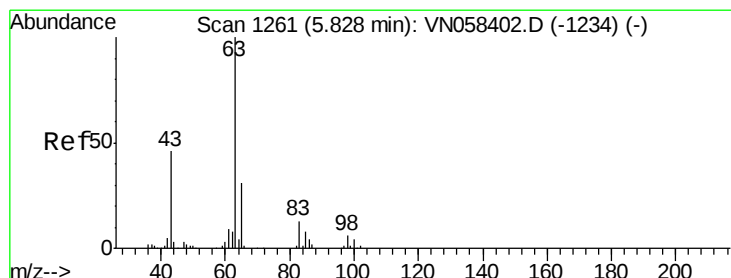
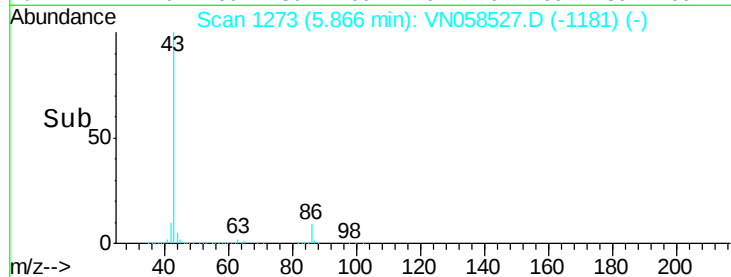
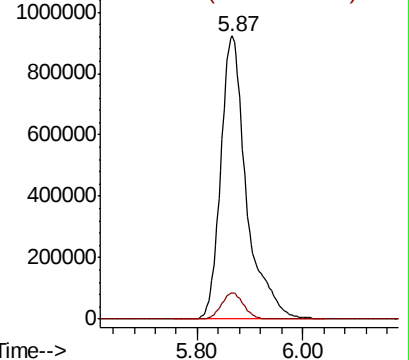
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 53.278 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

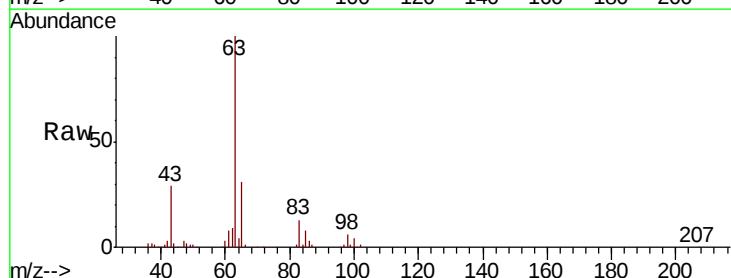
Tgt Ion: 63 Resp: 423083

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

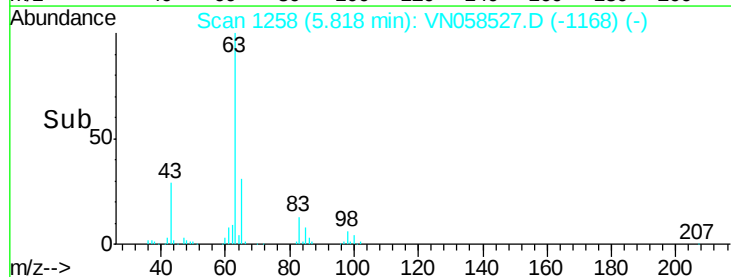
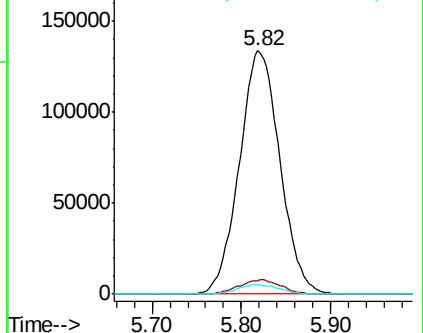
100 3.8 2.0 5.8

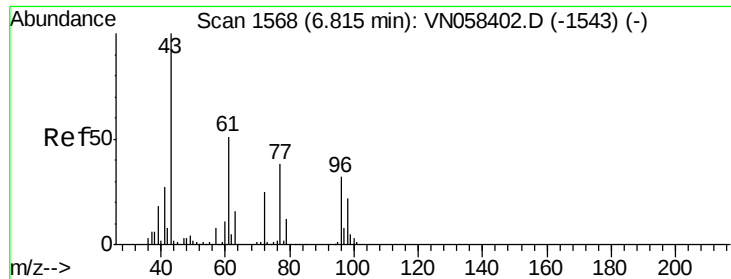


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





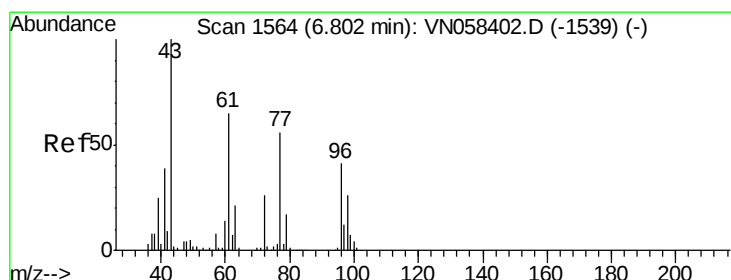
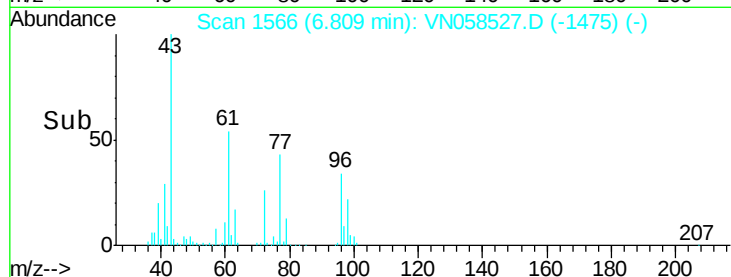
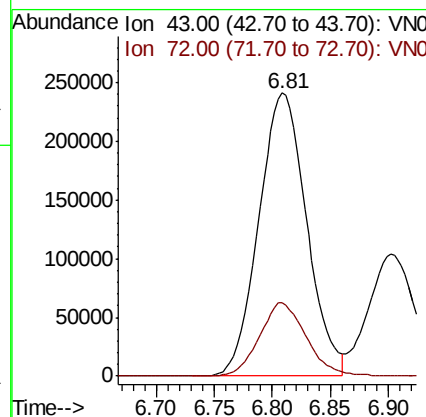
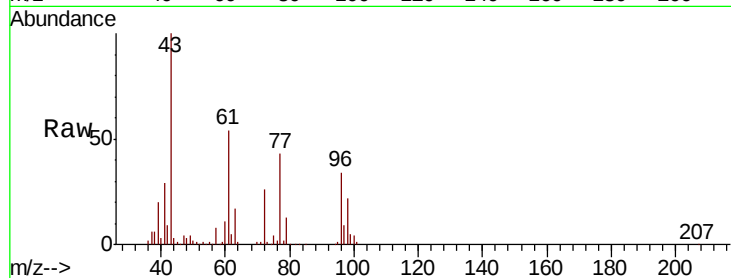
#25
2-Butanone
Concen: 263.690 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 688832
Ion Ratio Lower Upper
43 100
72 25.9 20.2 30.4

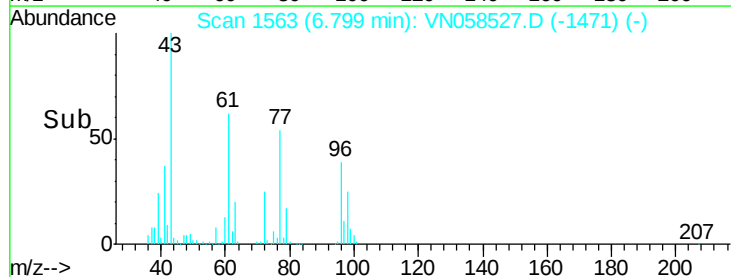
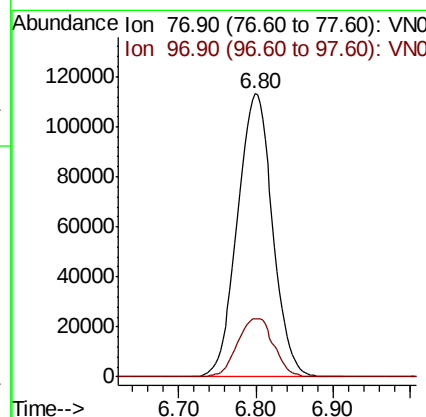
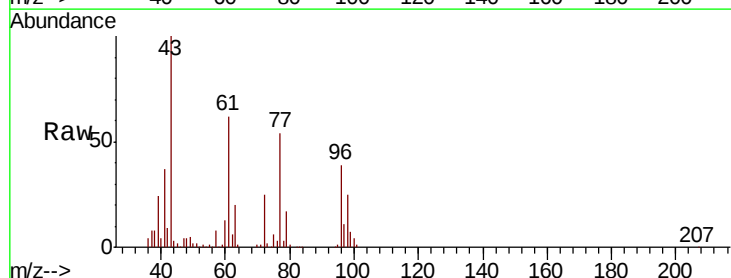
Manual Integrations
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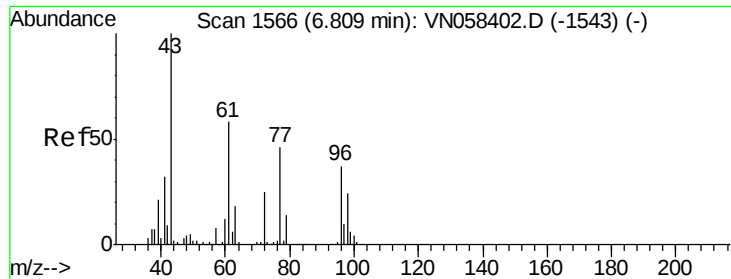
MMDadoda
10/7/2019 12:08:36 PM



#26
2,2-Dichloropropane
Concen: 54.718 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 77 Resp: 357219
Ion Ratio Lower Upper
77 100
97 21.3 10.9 32.6





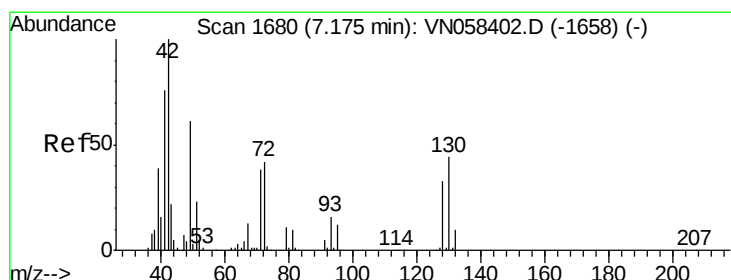
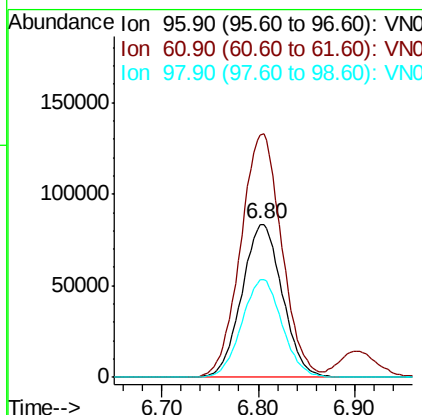
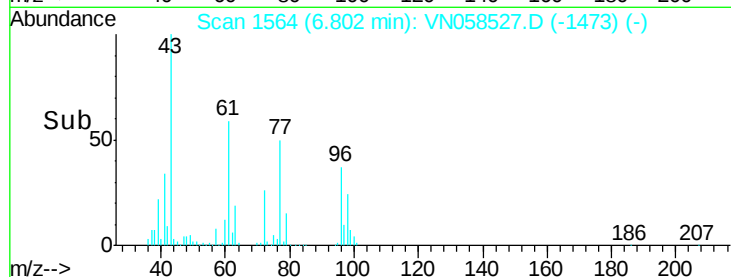
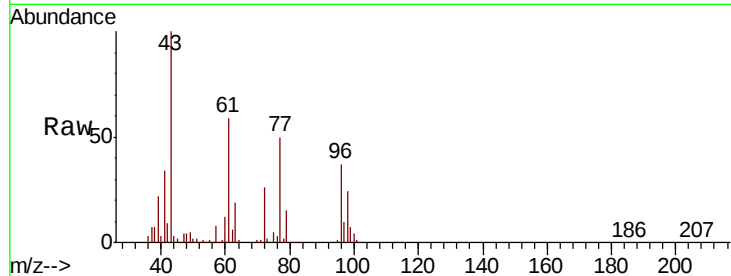
#27
 cis-1,2-Dichloroethene
 Concen: 51.818 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	242654		
61	161.6	0.0	318.8	
98	63.8	0.0	129.8	

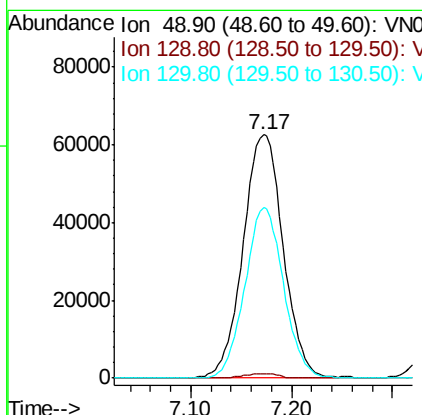
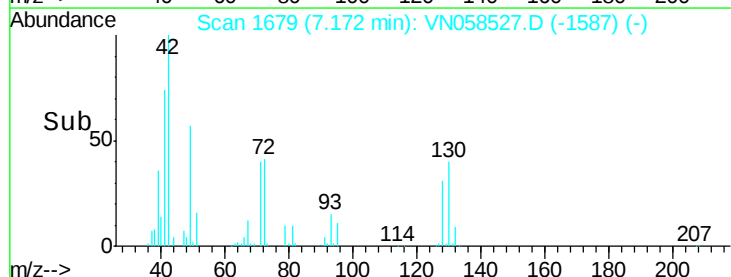
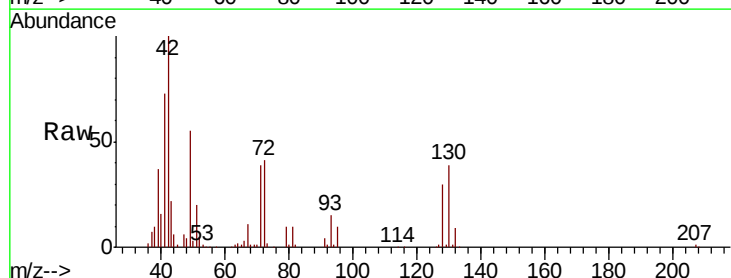
Manual Integrations
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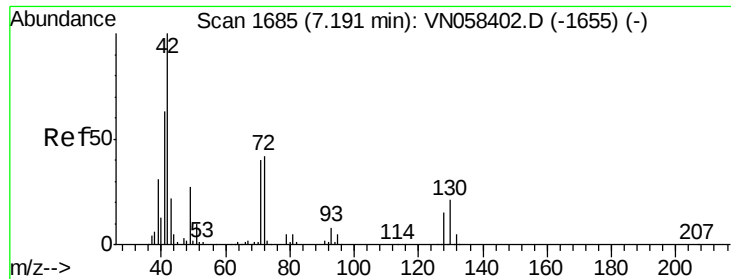
MMDadoda
 10/7/2019 12:08:36 PM



#28
 Bromochloromethane
 Concen: 54.418 ug/l
 RT: 7.17 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172735		
129	1.5	0.0	3.4	
130	67.5	56.3	84.5	





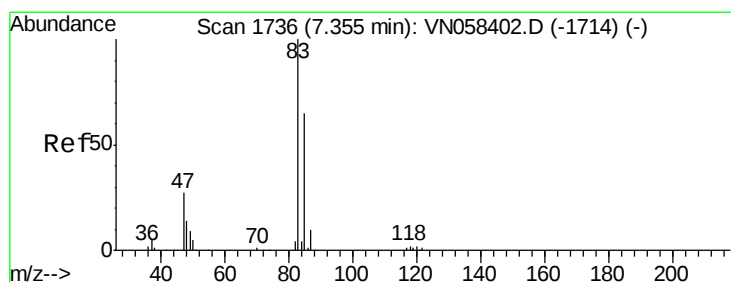
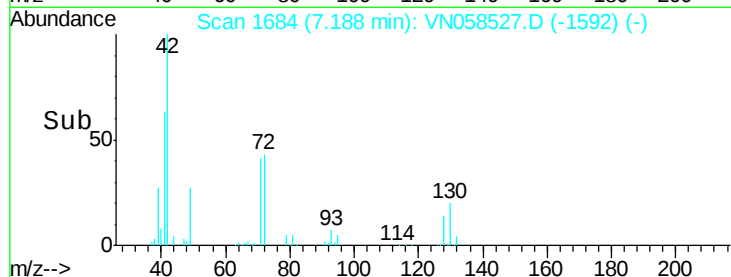
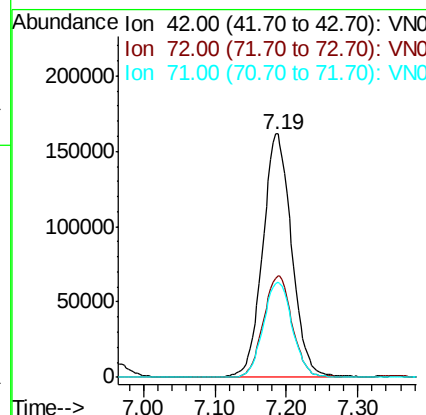
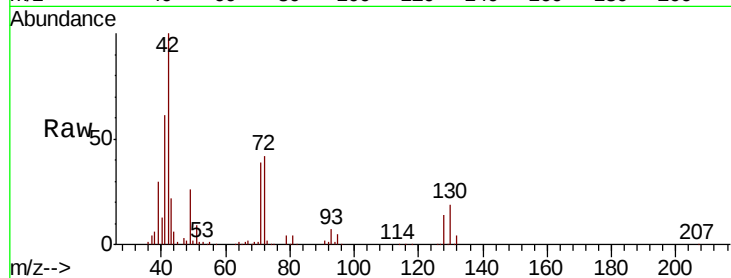
#29
Tetrahydrofuran
Concen: 274.066 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	39.2	31.8	47.6

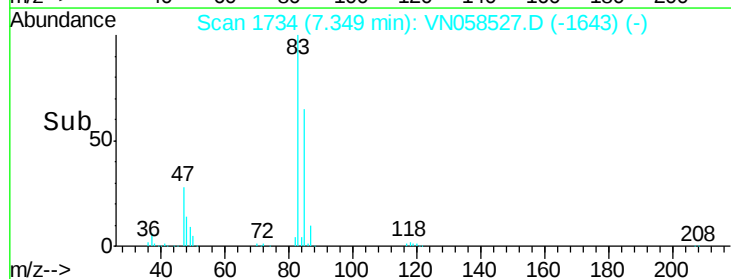
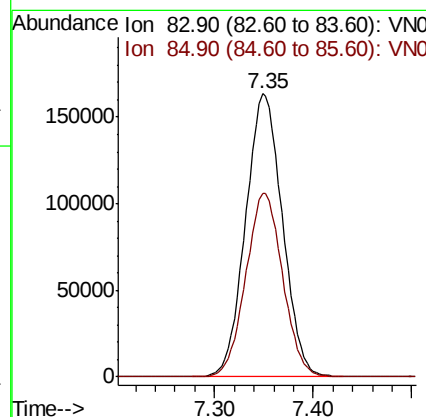
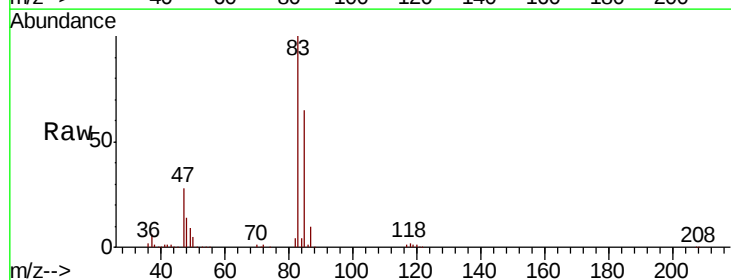
Manual Integrations
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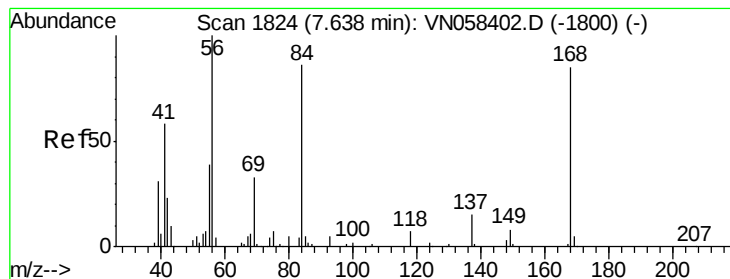
MMDadoda
10/7/2019 12:08:36 PM



#30
Chloroform
Concen: 52.531 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0





#31

Cyclohexane

Concen: 47.256 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 365025

Ion Ratio Lower Upper

56 100

69 31.3 26.2 39.4

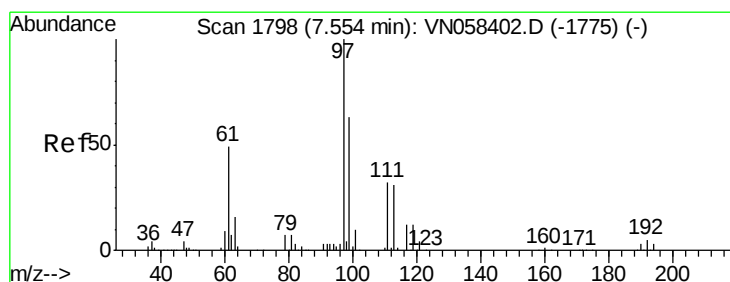
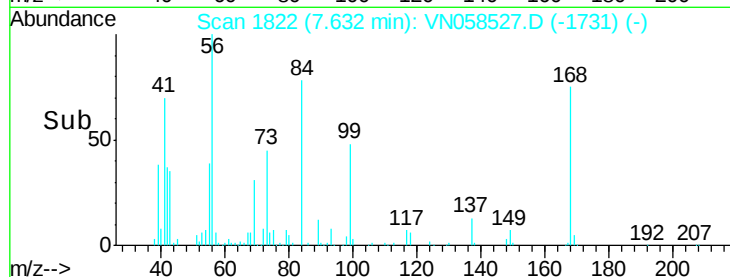
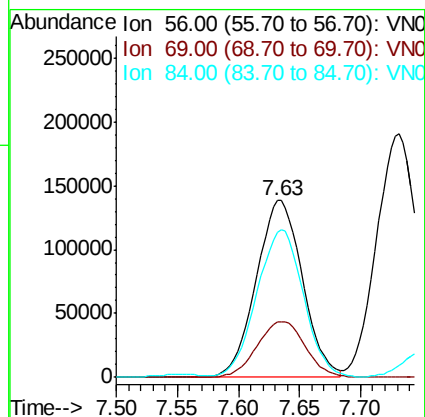
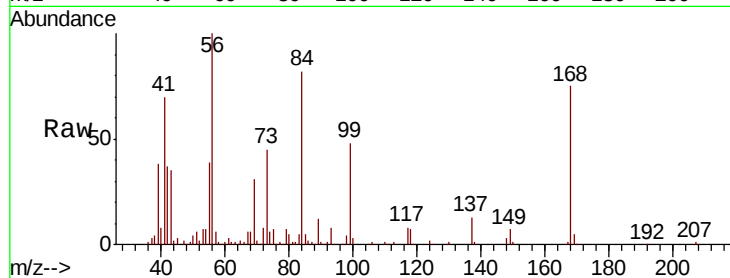
84 80.7 67.6 101.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 53.981 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

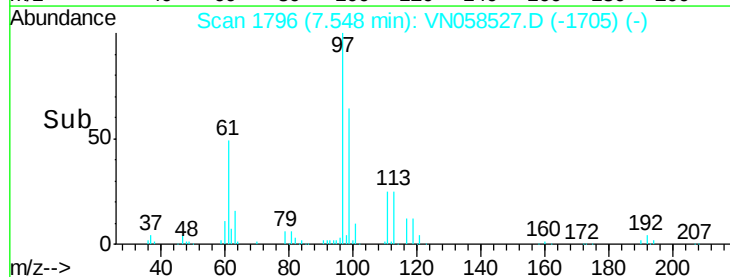
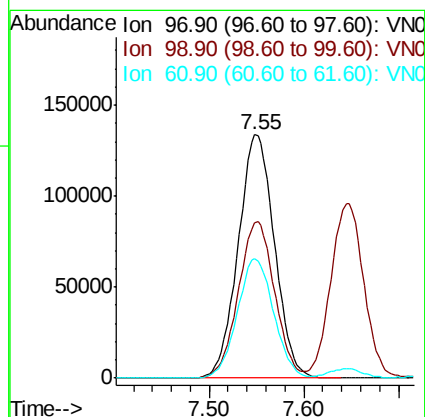
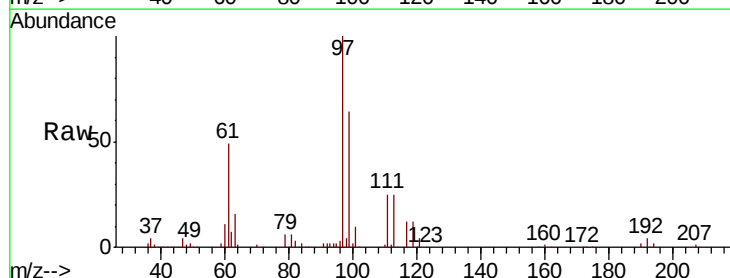
Tgt Ion: 97 Resp: 356706

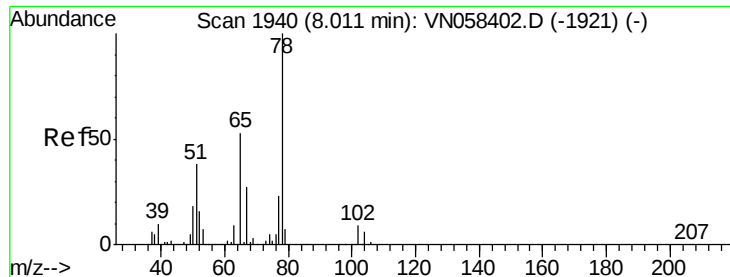
Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

61 49.3 39.2 58.8





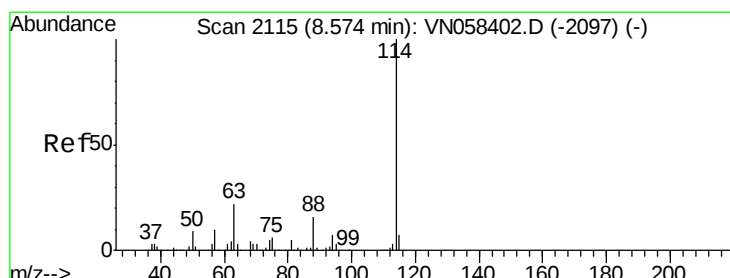
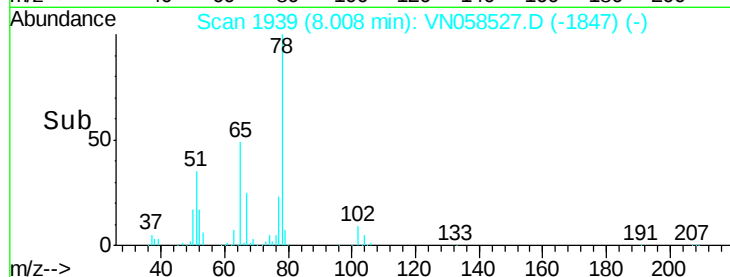
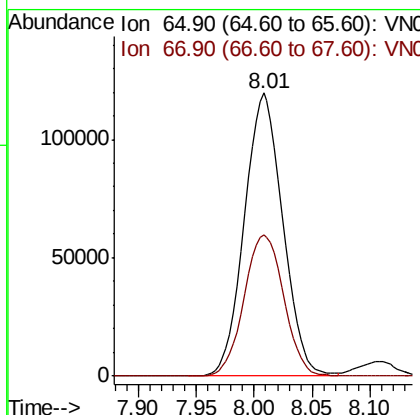
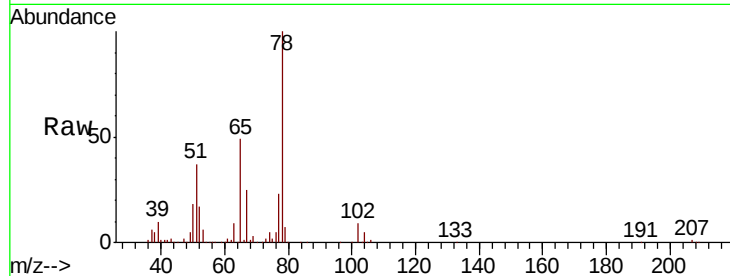
#33
 1,2-Dichloroethane-d4
 Concen: 49.455 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.4

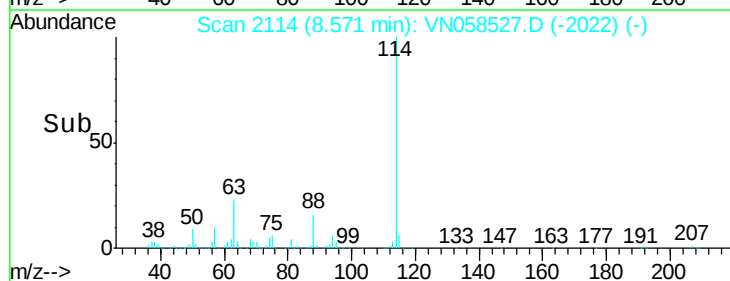
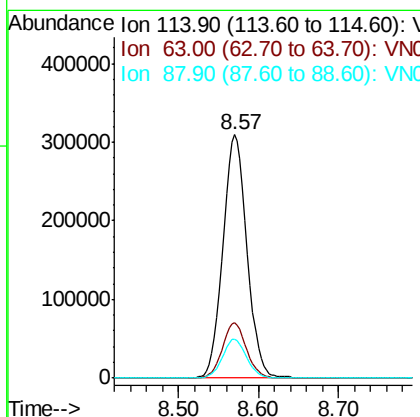
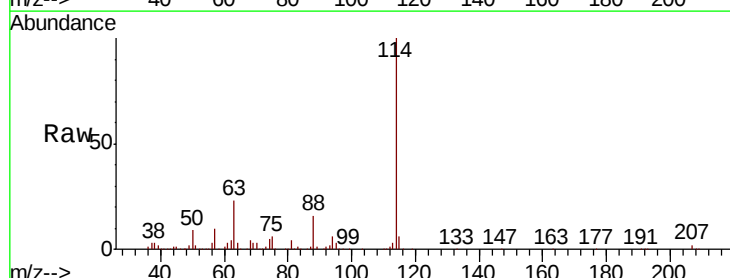
Manual Integrations
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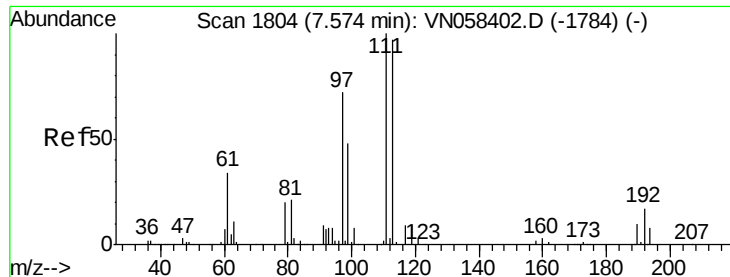
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.0
88	16.1	0.0	32.2





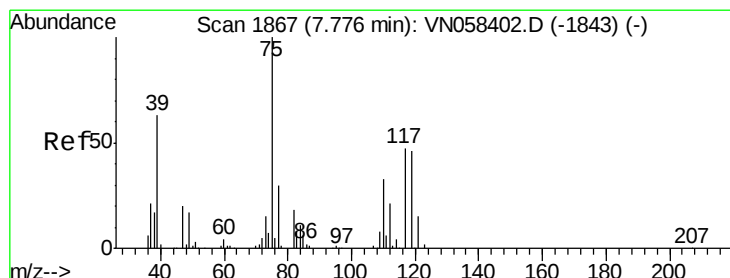
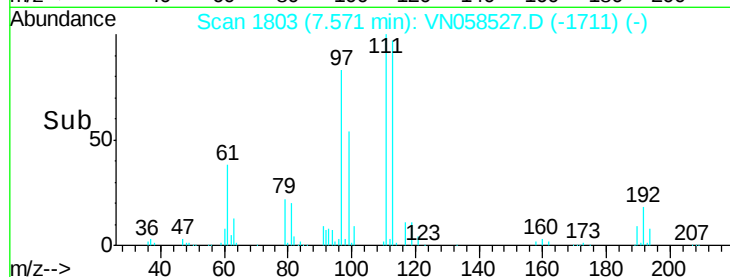
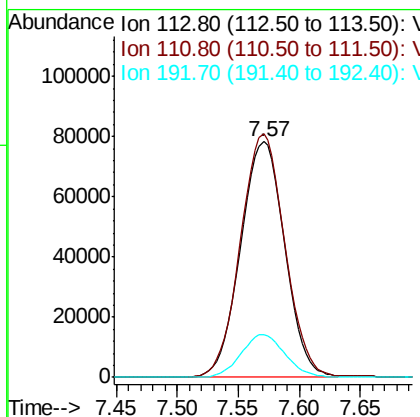
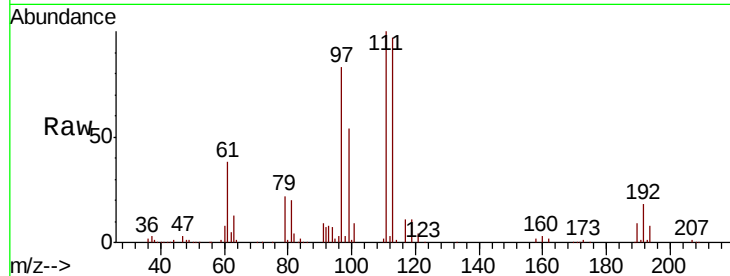
#35
 Dibromofluoromethane
 Concen: 49.896 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	196492		
111	103.6	83.4	125.2	
192	18.1	14.9	22.3	

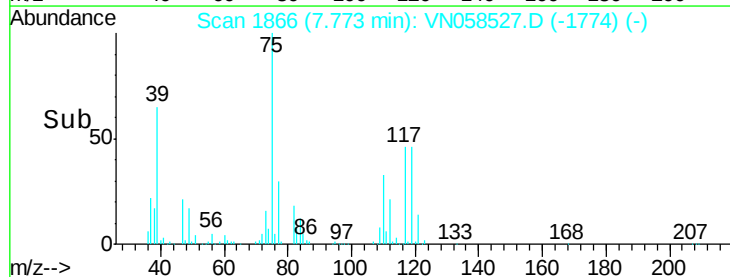
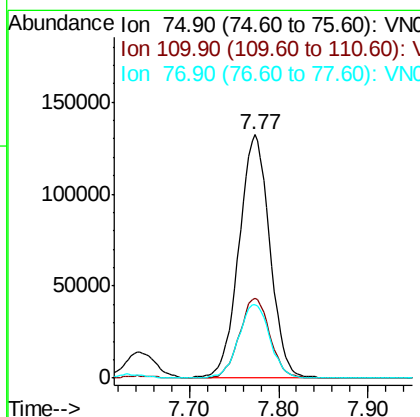
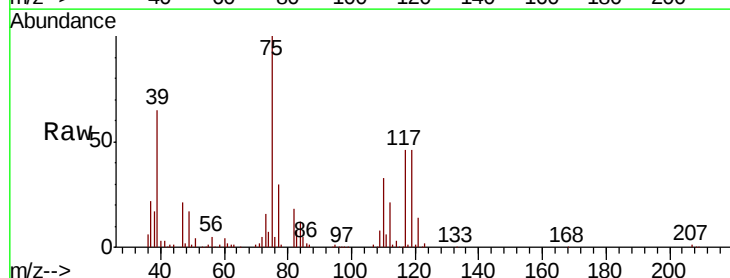
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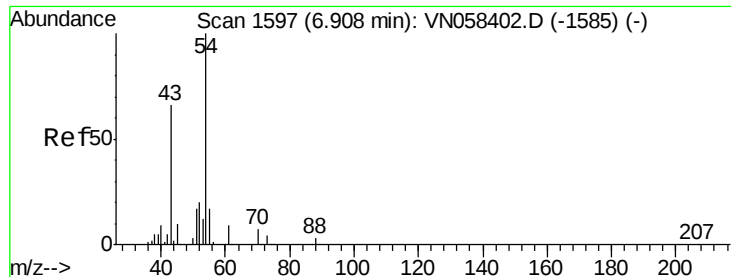
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#36
 1,1-Dichloropropene
 Concen: 51.507 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	316455		
110	32.6	16.4	49.2	
77	31.0	24.3	36.5	





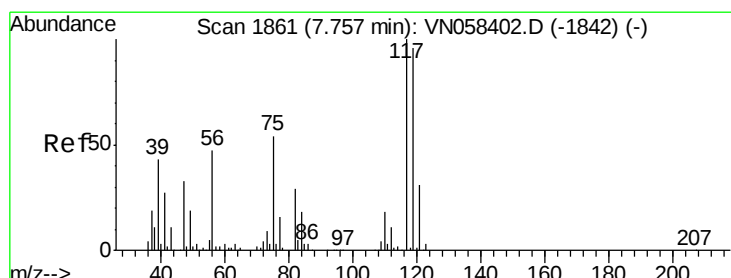
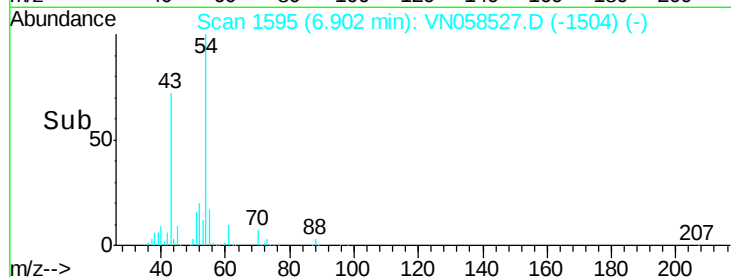
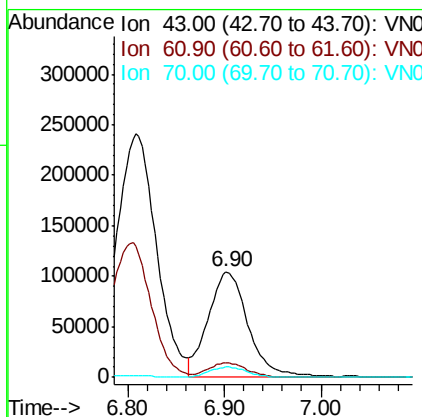
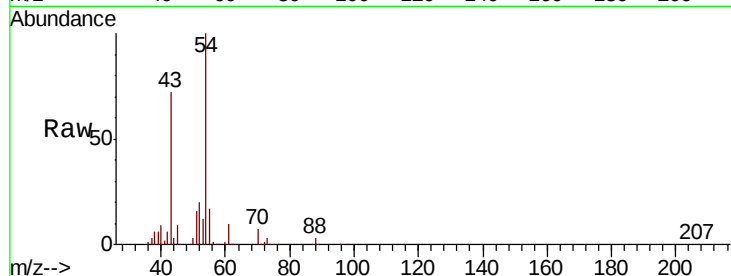
#37
Ethyl Acetate
Concen: 56.662 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.5	7.8	11.6

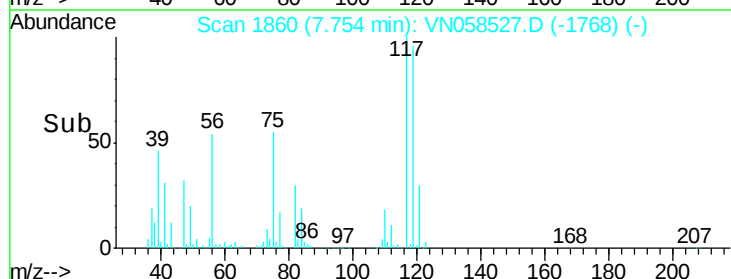
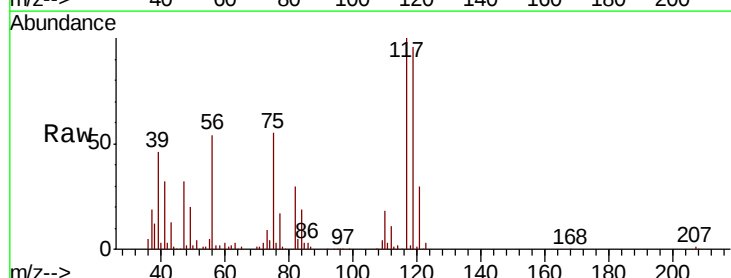
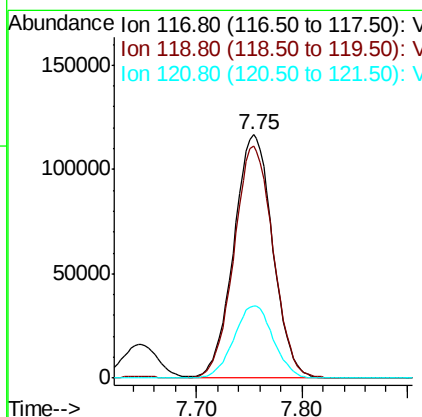
Manual Integrations
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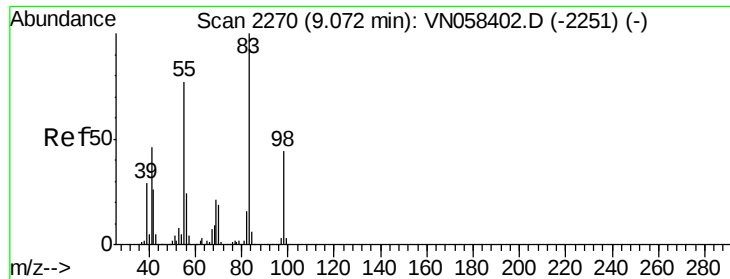
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#38
Carbon Tetrachloride
Concen: 53.988 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.6	115.0
121	29.7	24.7	37.1





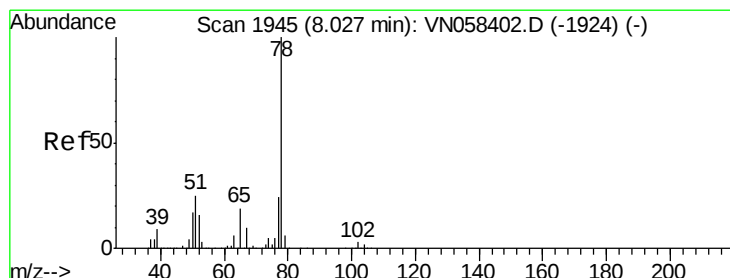
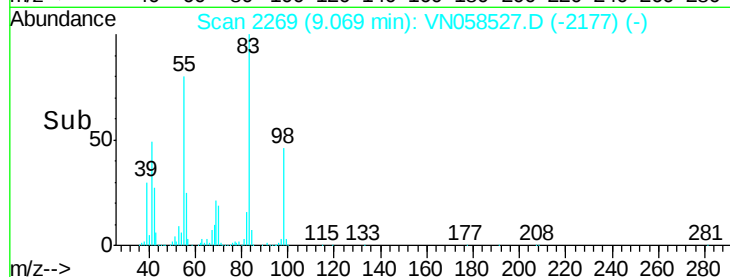
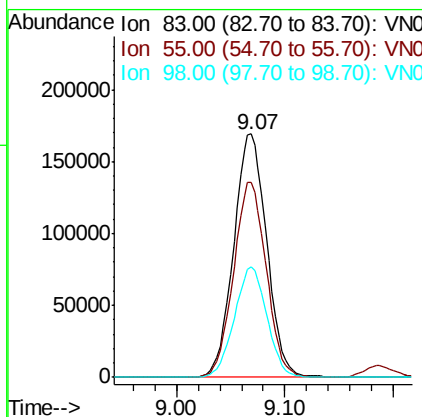
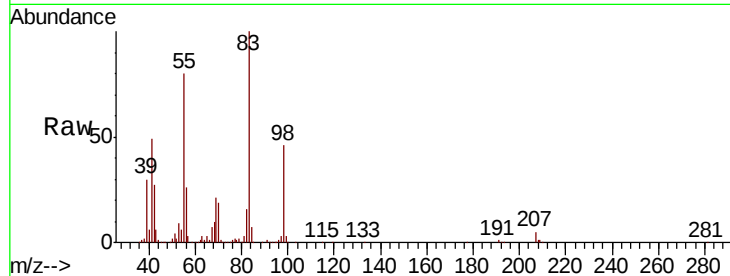
#39
Methvlcvclohexane
Concen: 50.198 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	61.8	92.6
98	45.6	35.4	53.0

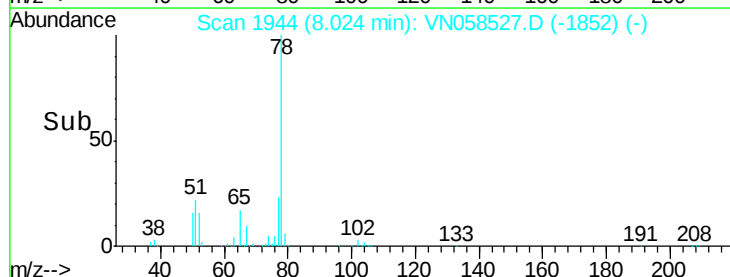
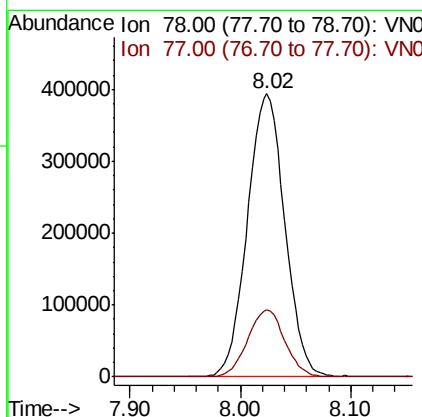
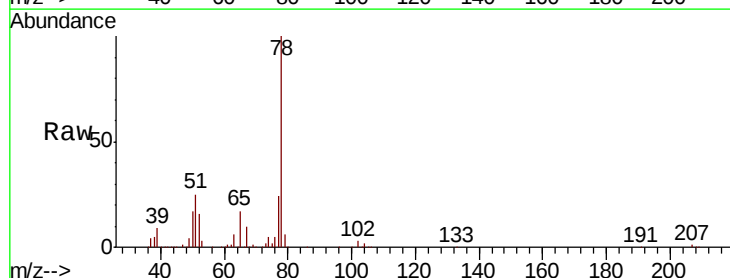
Manual Integrations
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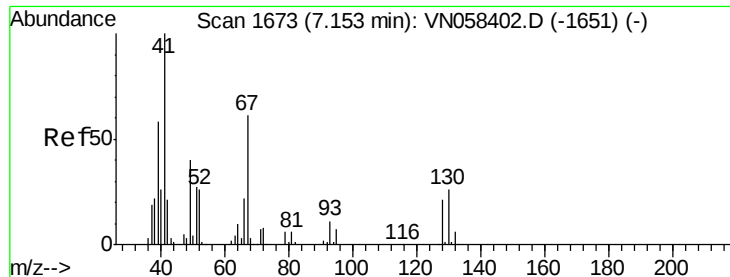
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#40
Benzene
Concen: 52.342 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#41

Methacrylonitrile

Concen: 58.337 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 139799

Ion Ratio Lower Upper

41 100

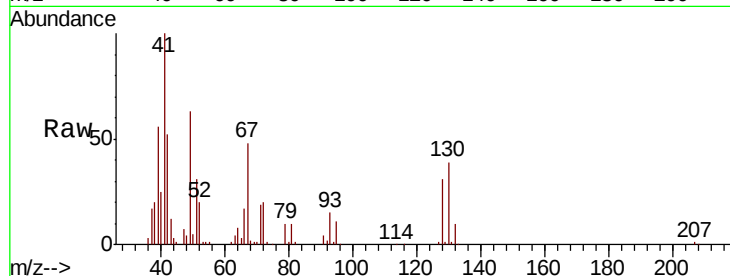
39 0.0 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#

Manual Integrations
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10/7/2019 12:08:36 PM

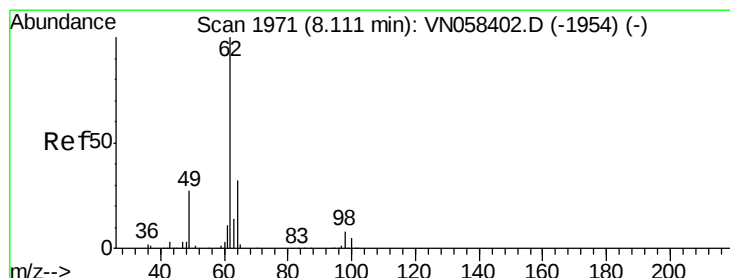
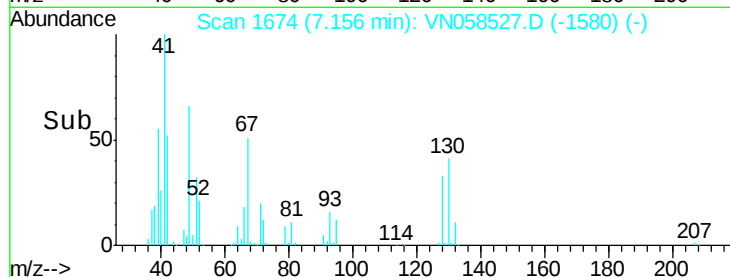
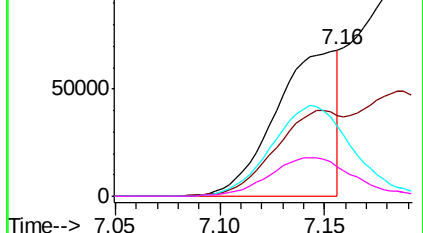


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 52.185 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN058527.D

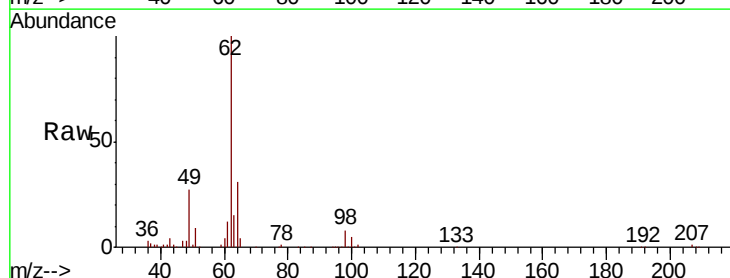
Acq: 4 Oct 2019 10:12

Tgt Ion: 62 Resp: 358555

Ion Ratio Lower Upper

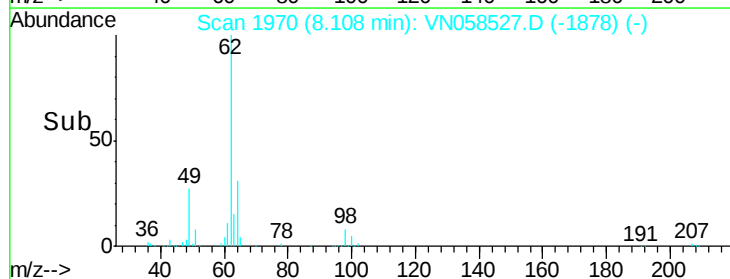
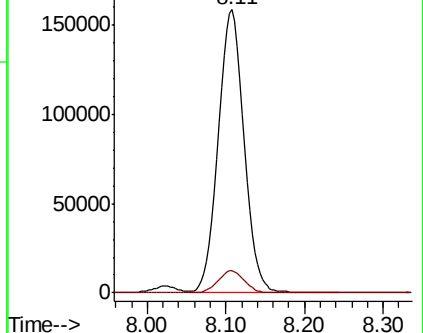
62 100

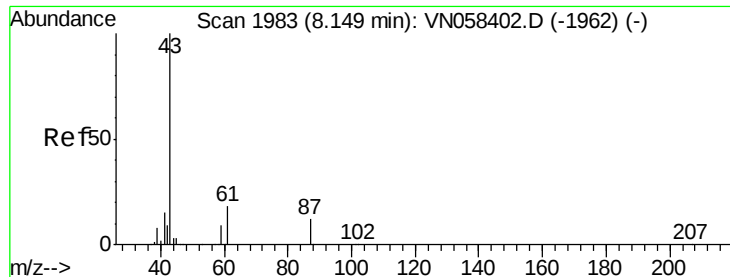
98 7.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.731 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

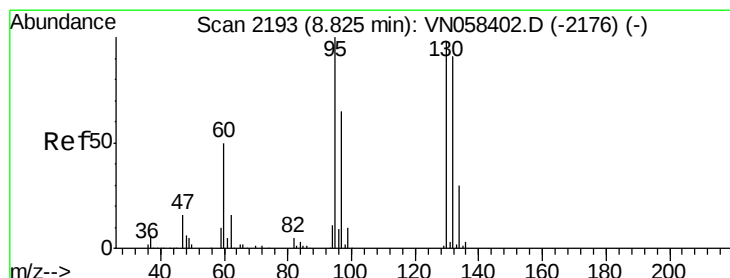
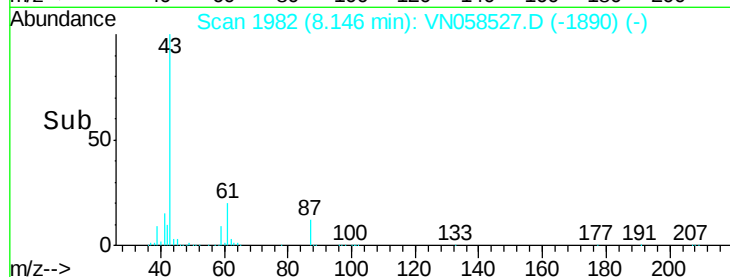
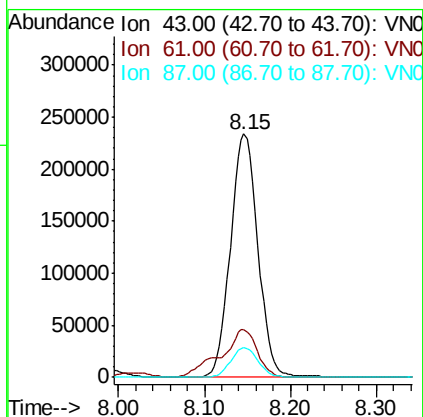
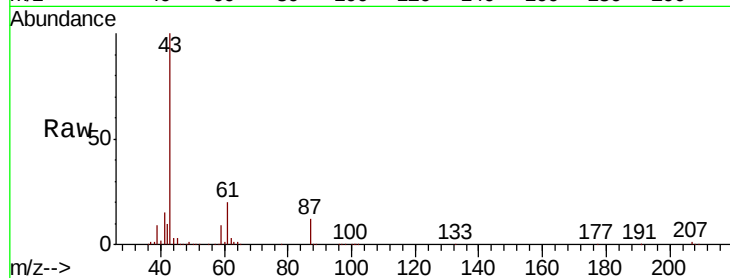
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	516524
Ion	Ratio	Lower	Upper
43	100		
61	25.9	14.8	22.2#
87	12.2	9.7	14.5

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#44

Trichloroethene

Concen: 53.383 ug/l

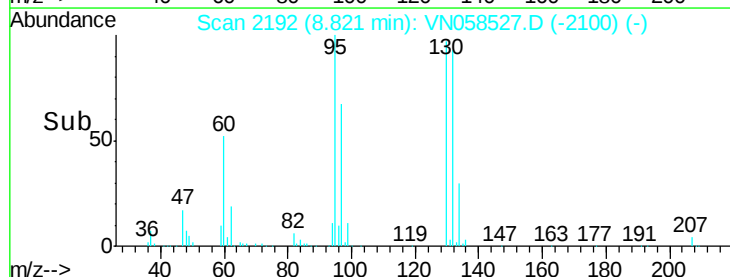
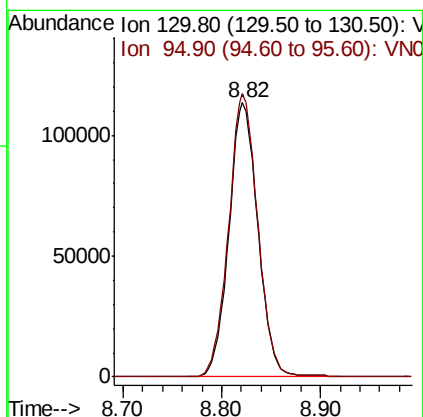
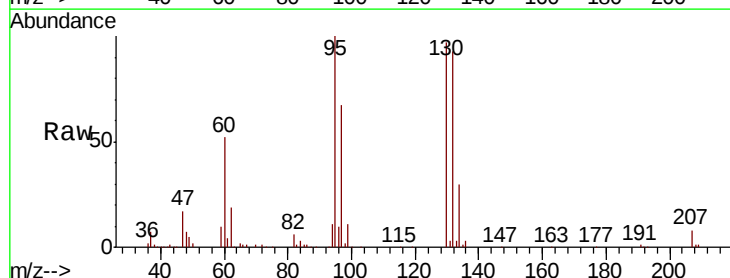
RT: 8.82 min Scan# 2192

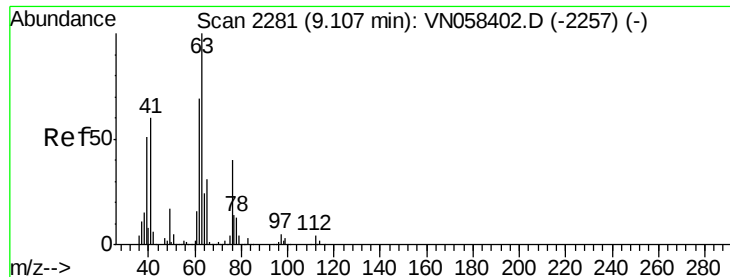
Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Tgt Ion:	130	Resp:	232791
Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	204.2





#45

1,2-Dichloropropane

Concen: 54.280 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 257094

Ion Ratio Lower Upper

63 100

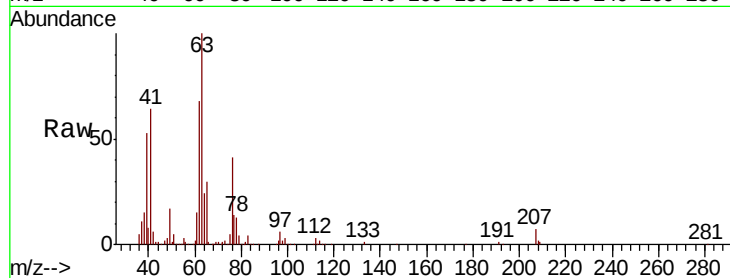
65 30.4 25.0 37.4

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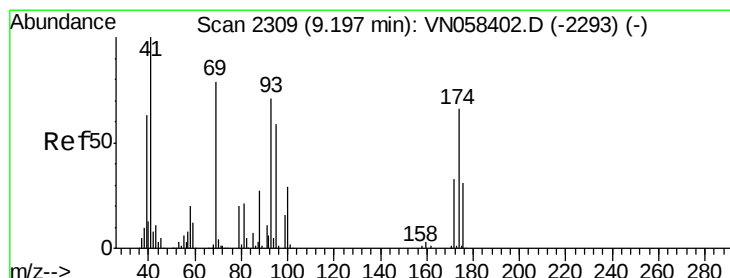
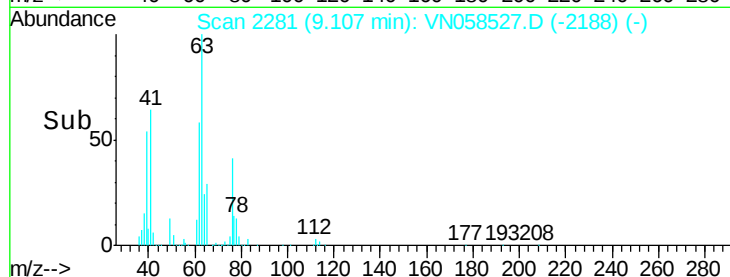
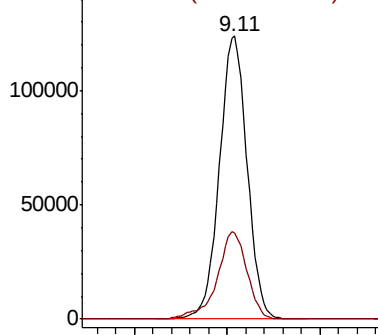
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 53.753 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

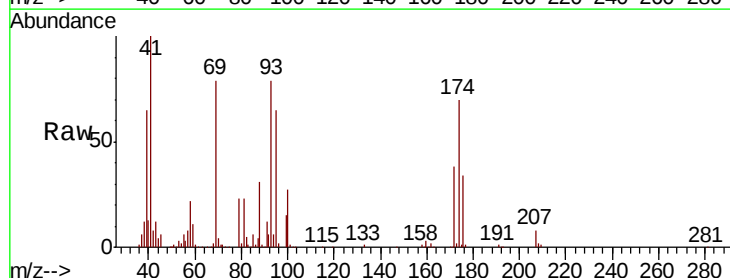
Tgt Ion: 93 Resp: 161235

Ion Ratio Lower Upper

93 100

95 81.9 67.0 100.4

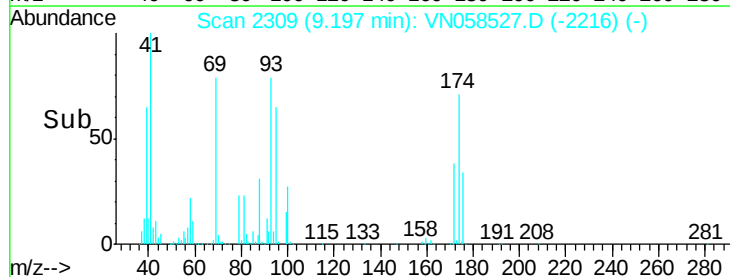
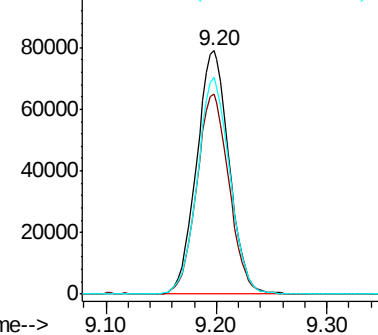
174 88.5 74.2 111.2

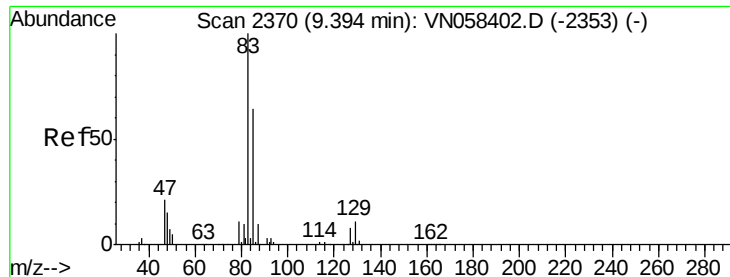


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 56.662 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

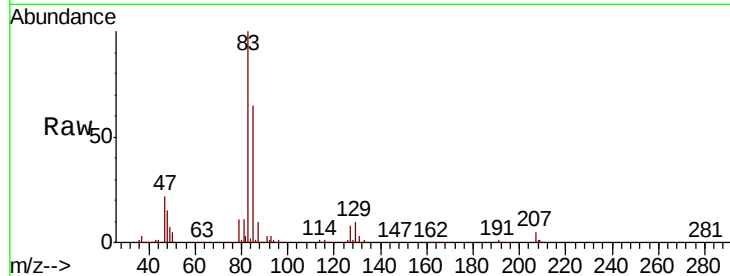
ClientSampleId :

VSTDCCC050

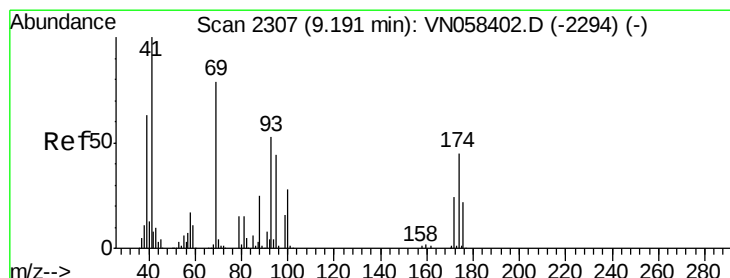
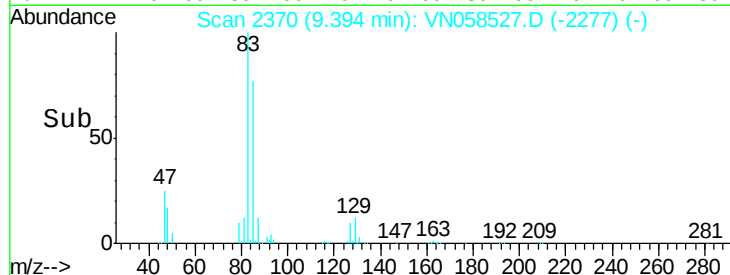
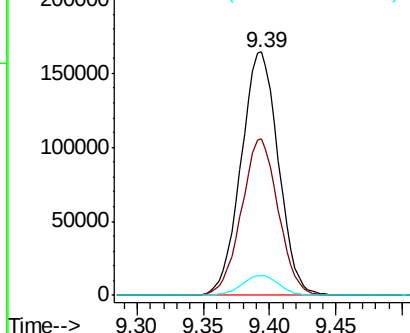
Tot Ion:	83	Resp:	322020
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.2	76.8
127	8.2	6.3	9.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 55.893 ug/l

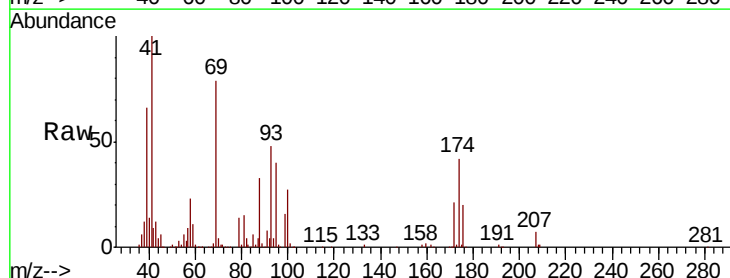
RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

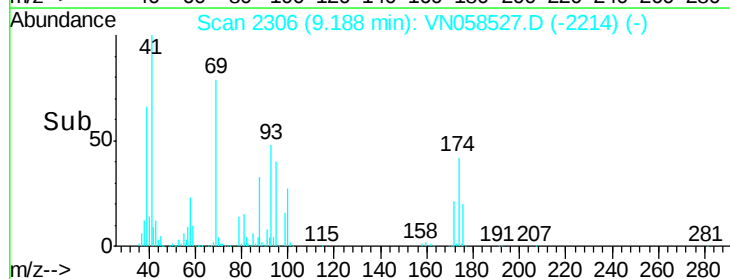
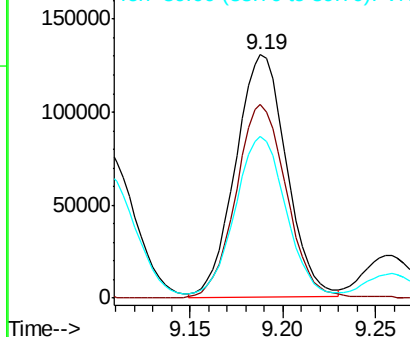
Lab File: VN058527.D

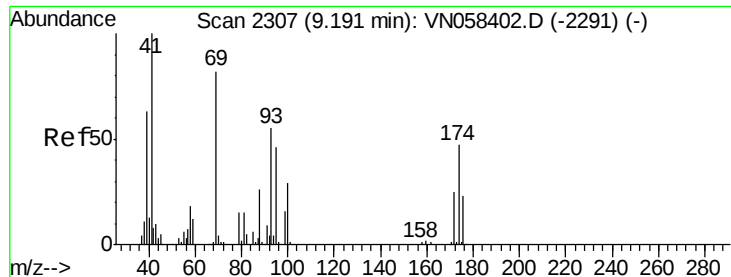
Acq: 4 Oct 2019 10:12

Tgt Ion:	41	Resp:	249301
Ion Ratio	Lower	Upper	
41	100		
69	79.5	64.7	97.1
39	66.6	52.9	79.3



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





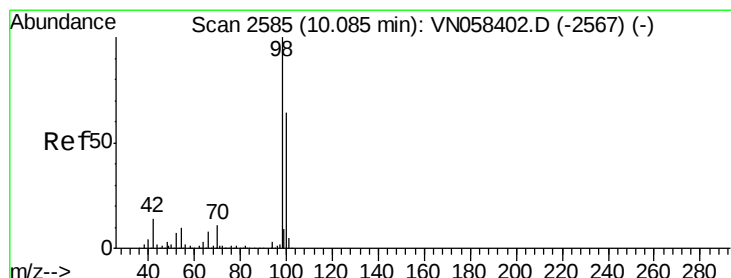
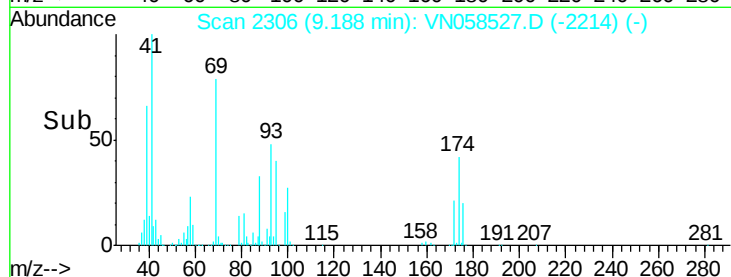
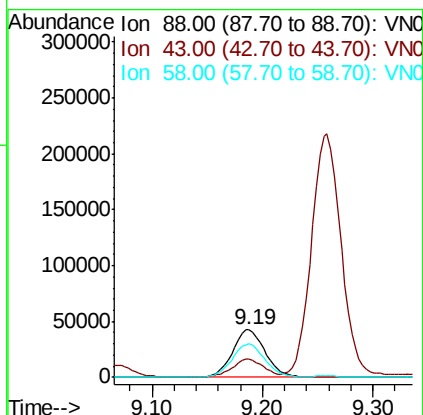
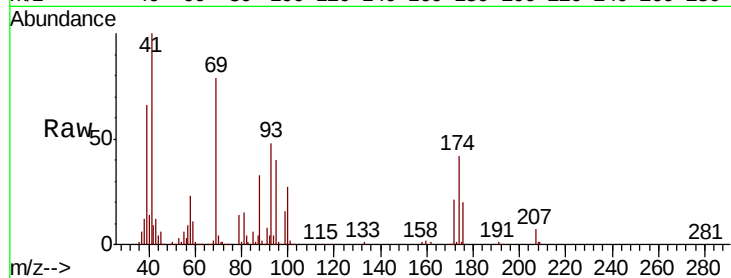
#49
1,4-Dioxane
Concen: 1460.766 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	31.1	46.7
58	71.2	58.1	87.1

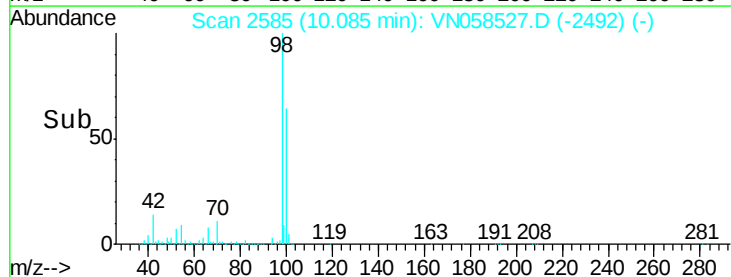
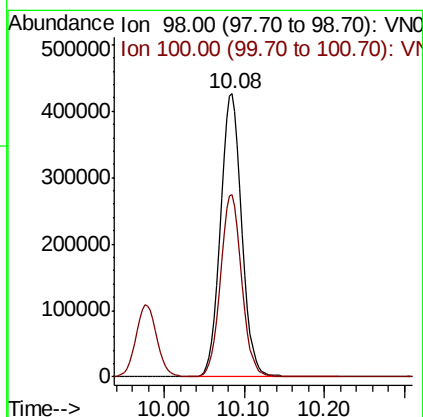
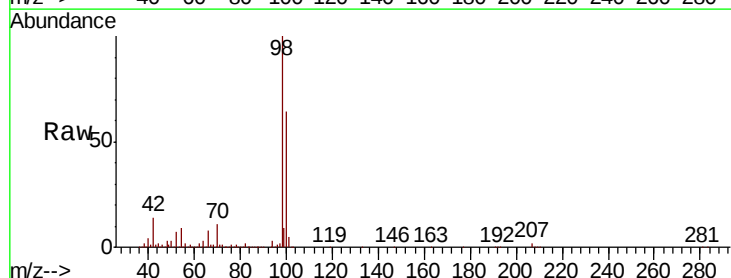
Manual Integrations
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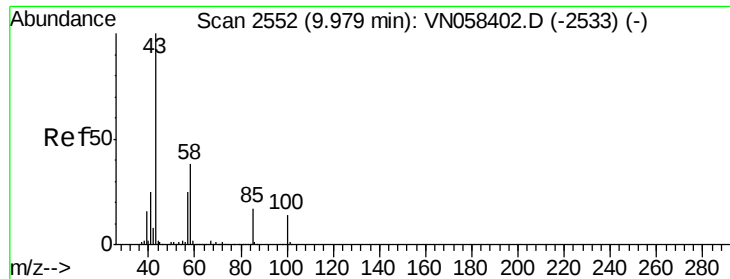
MMDadoda
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#50
Toluene-d8
Concen: 50.911 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





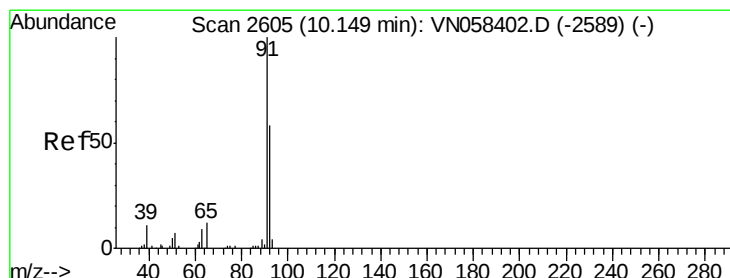
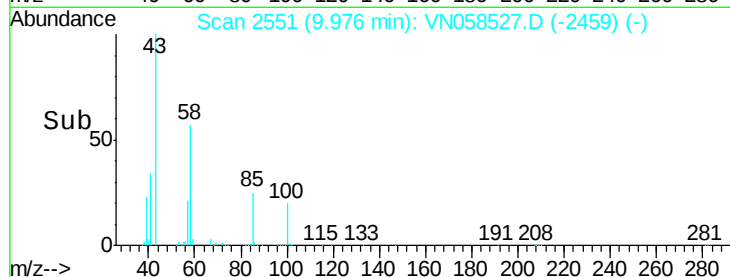
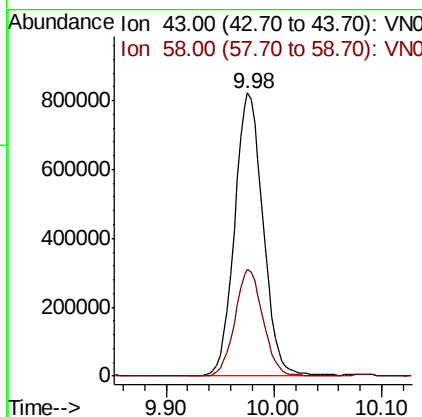
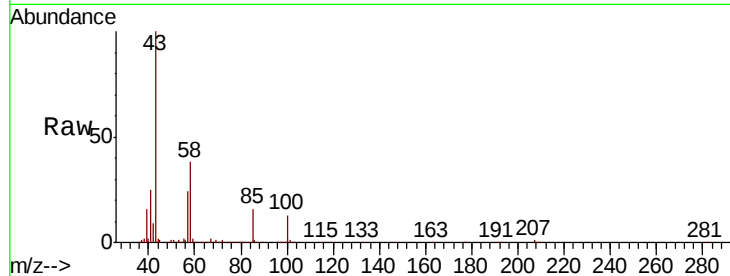
#51
4-Methyl-2-Pentanone
Concen: 300.213 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1510534
Ion Ratio Lower Upper
43 100
58 37.2 30.2 45.2

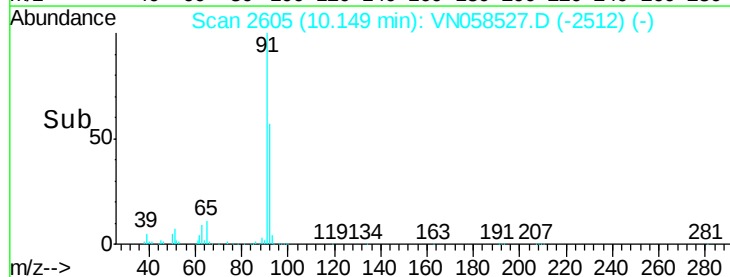
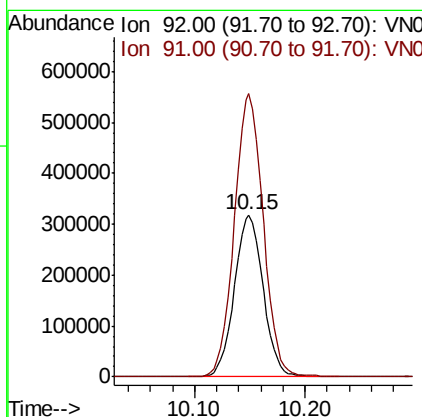
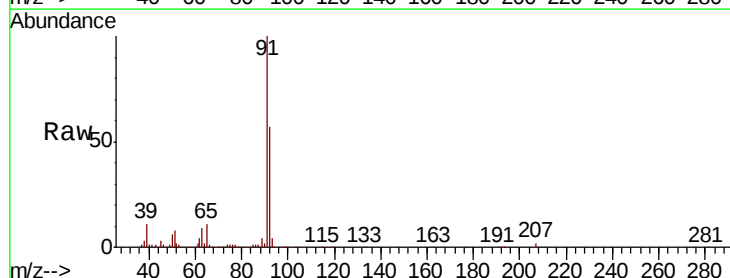
Manual Integrations
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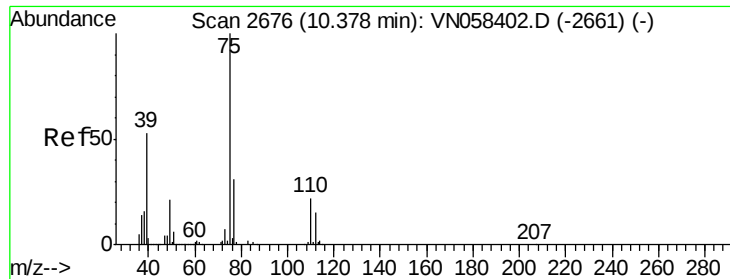
MMDadoda
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#52
Toluene
Concen: 51.711 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 92 Resp: 574818
Ion Ratio Lower Upper
92 100
91 175.4 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 59.471 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 367868

Ion Ratio Lower Upper

75 100

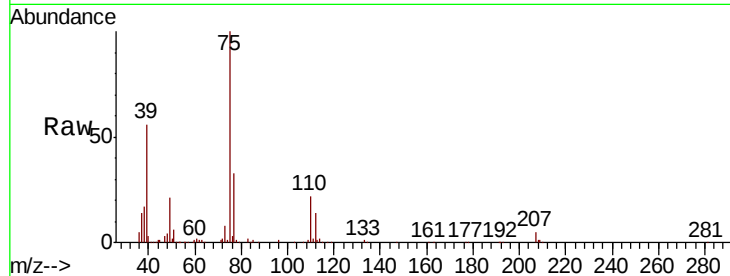
77 31.7 25.2 37.8

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

250000

200000

150000

100000

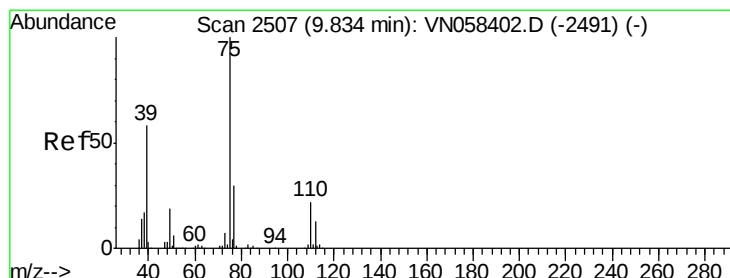
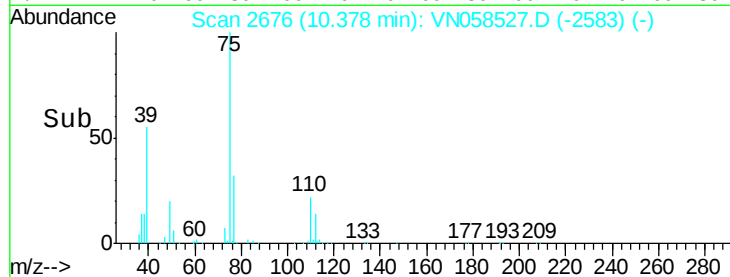
50000

0

10.30

10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 57.750 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

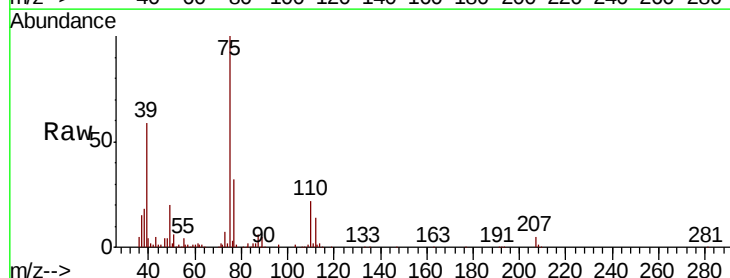
Tgt Ion: 75 Resp: 396534

Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.4

39 58.4 46.4 69.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

150000

100000

50000

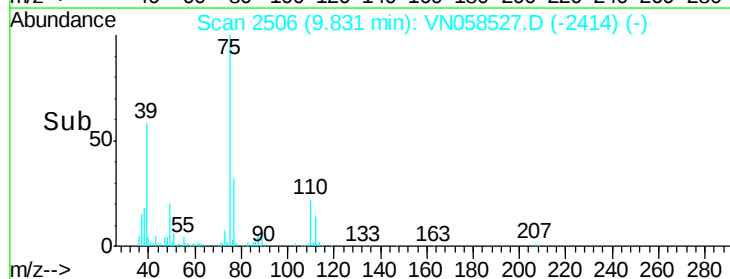
0

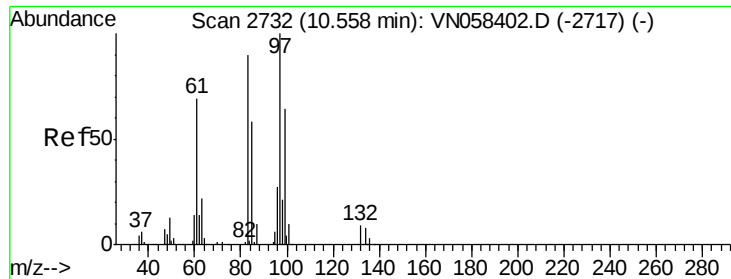
9.70

9.80

9.90

Time-->





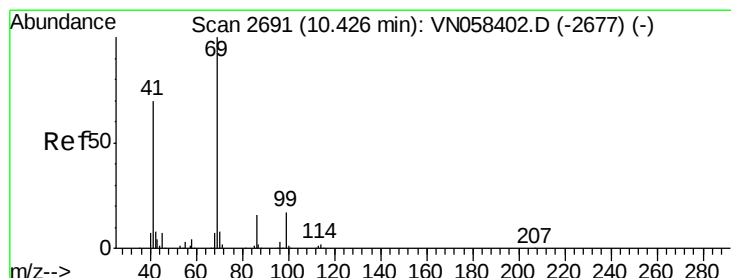
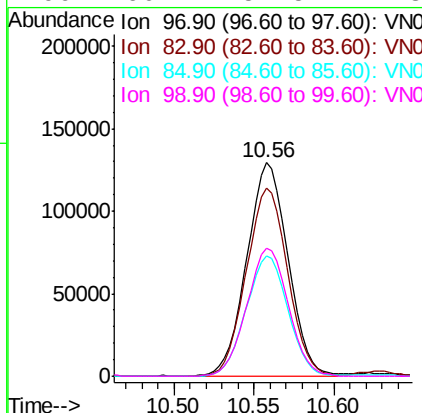
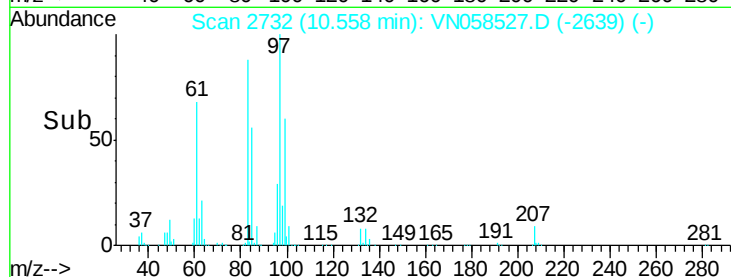
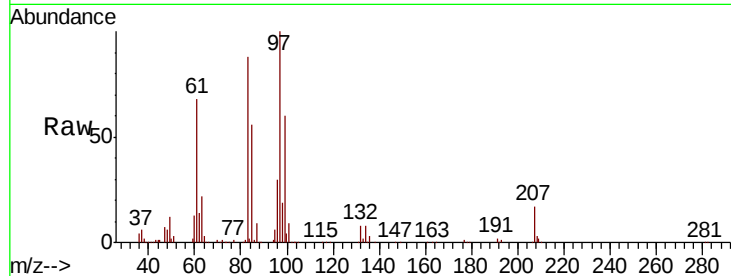
#55
 1,1,2-Trichloroethane
 Concen: 56.687 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	229445
Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.8	107.6
85	56.1	46.6	69.8
99	60.2	51.5	77.3

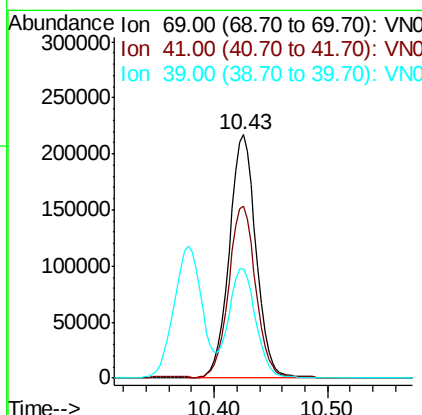
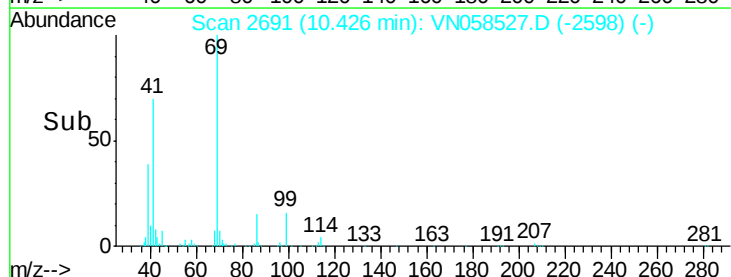
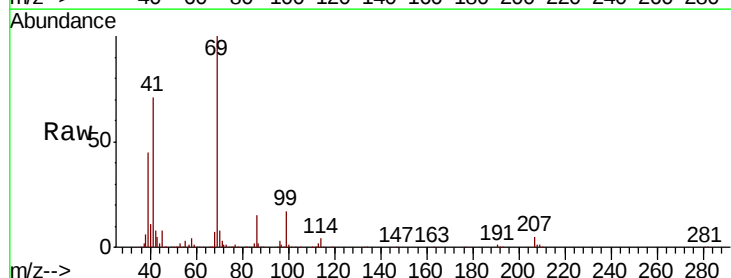
Manual Integrations
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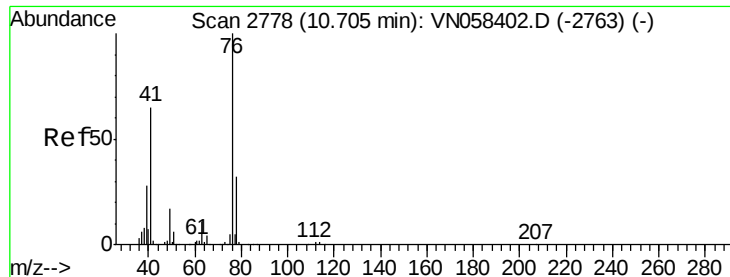
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#56
 Ethyl methacrylate
 Concen: 58.114 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion:	69	Resp:	356924
Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.3	84.5
39	45.4	35.8	53.6





#57

1,3-Dichloropropane

Concen: 55.776 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 402682

Ion Ratio Lower Upper

76 100

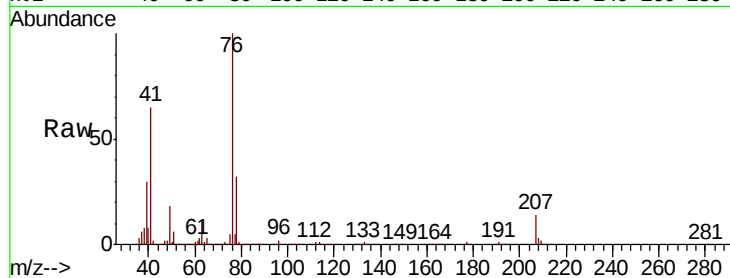
78 32.1 25.7 38.5

Manual Integrations

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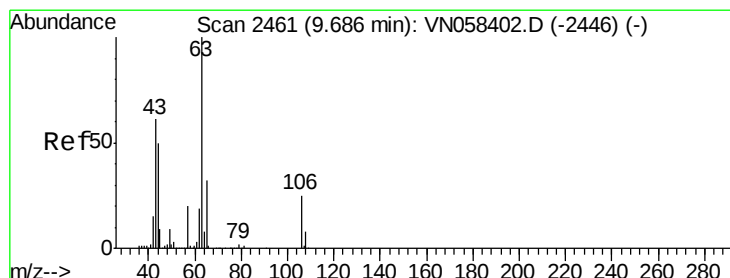
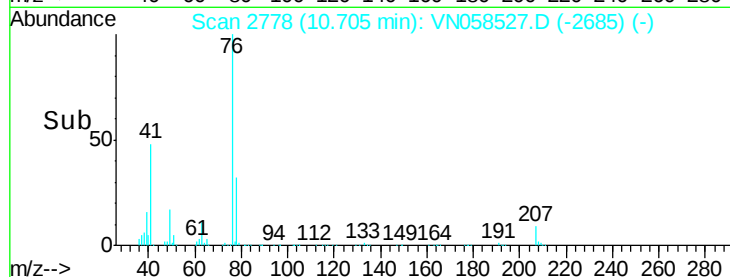
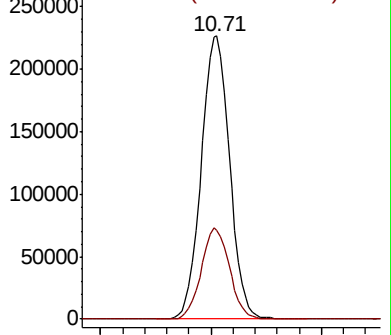
MMDadoda

10/7/2019 12:08:36 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 355.411 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058527.D

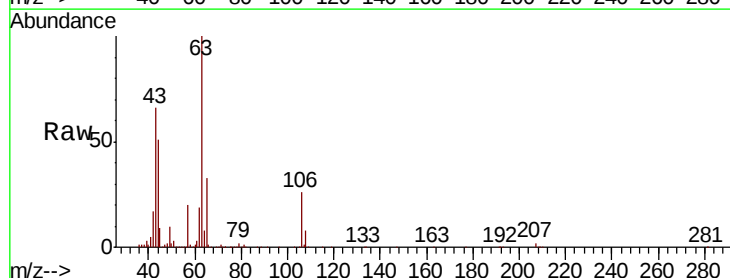
Acq: 4 Oct 2019 10:12

Tgt Ion: 63 Resp: 870406

Ion Ratio Lower Upper

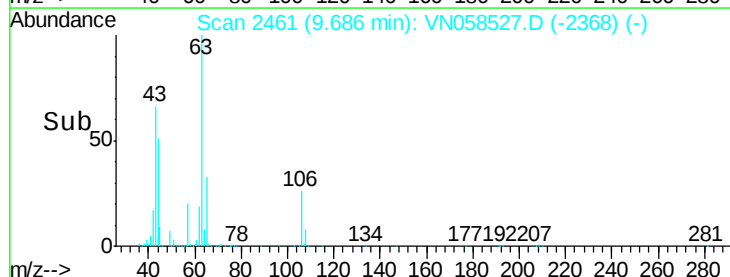
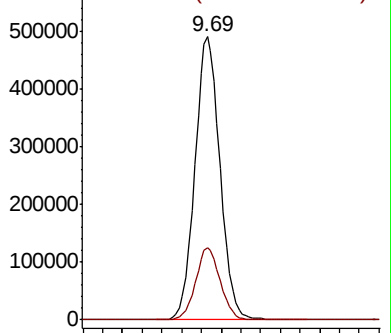
63 100

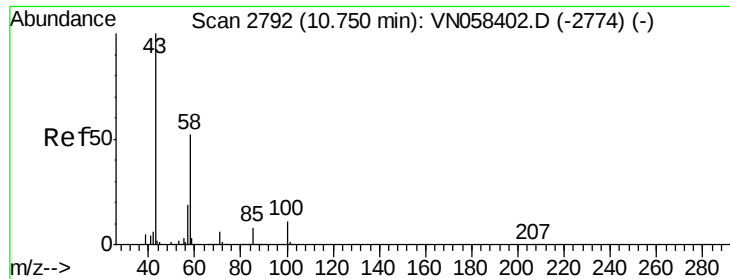
106 25.0 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





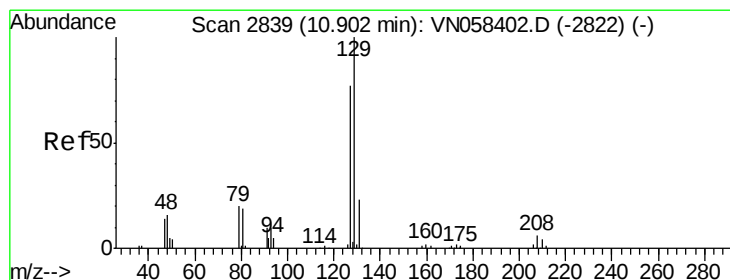
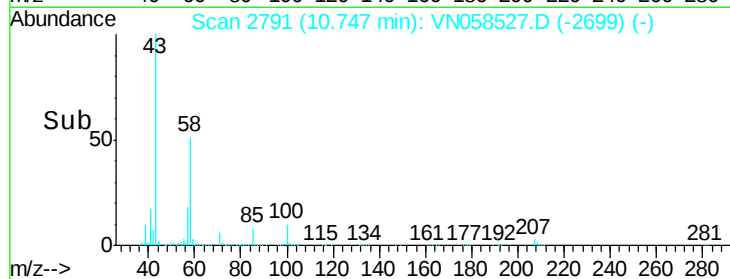
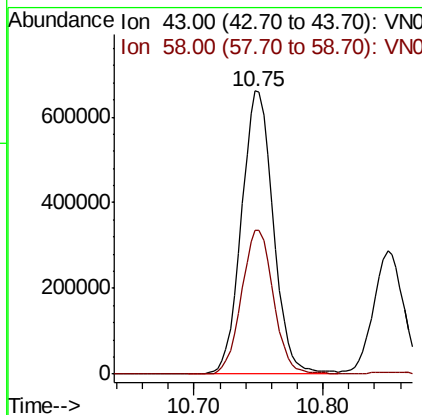
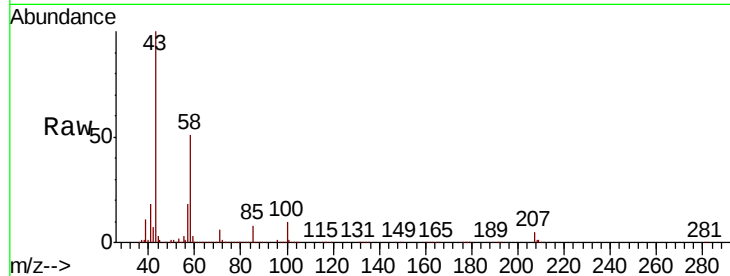
#59
2-Hexanone
Concen: 308.753 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1131185
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3

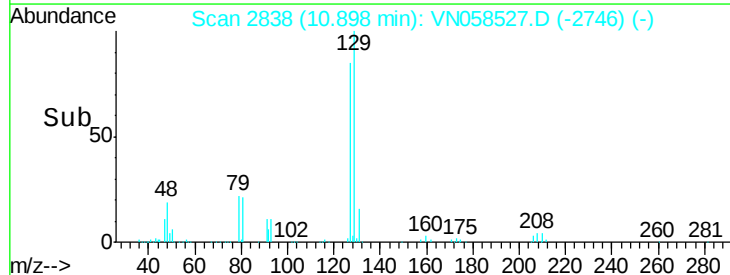
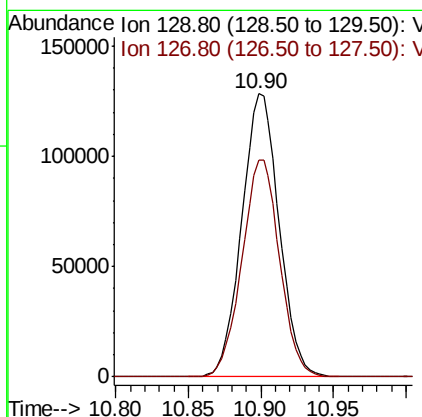
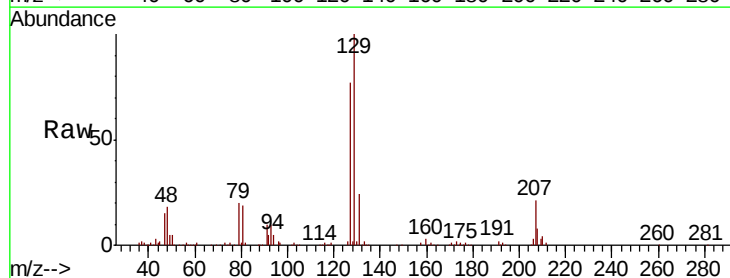
Manual Integrations
APPROVED

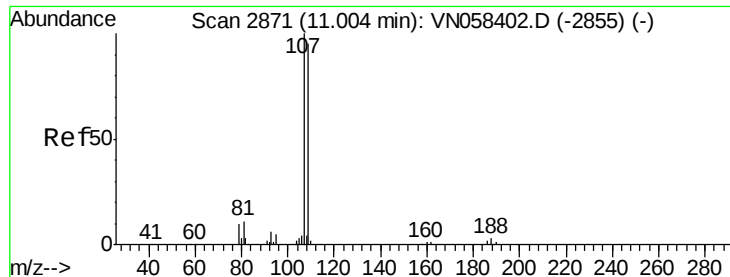
MMDadoda
10/7/2019 12:08:36 PM



#60
Dibromochloromethane
Concen: 54.987 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 129 Resp: 230243
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





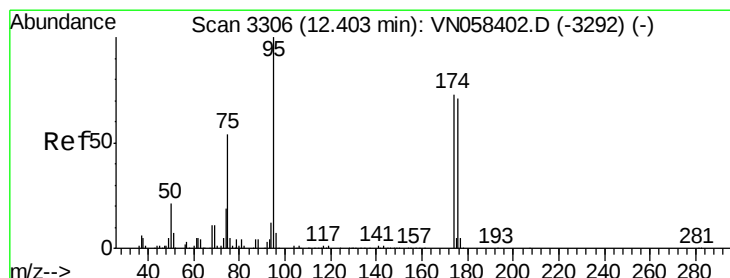
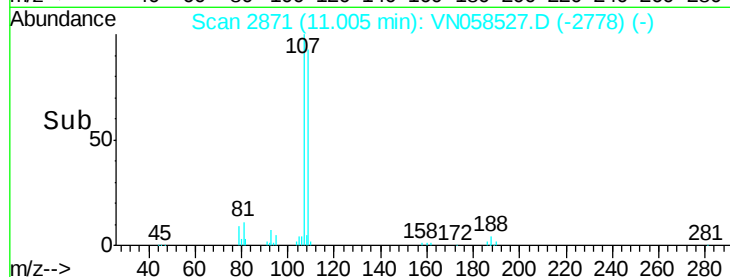
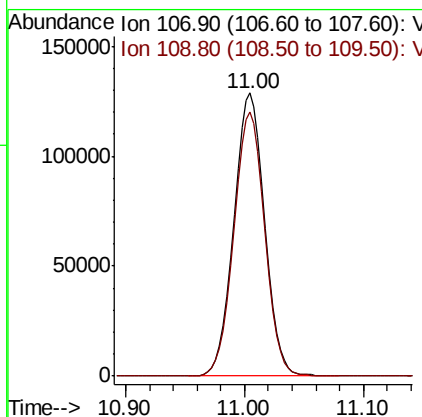
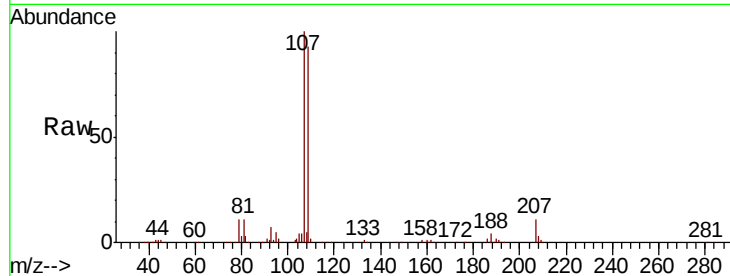
#61
 1,2-Dibromoethane
 Concen: 55.604 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

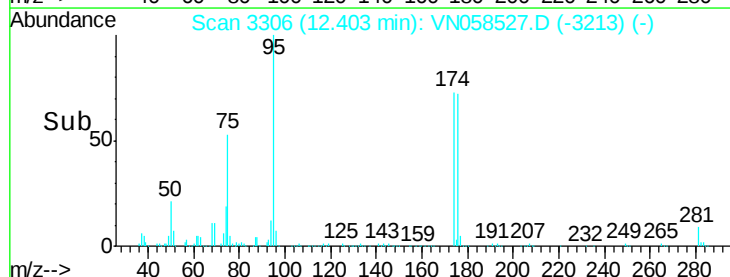
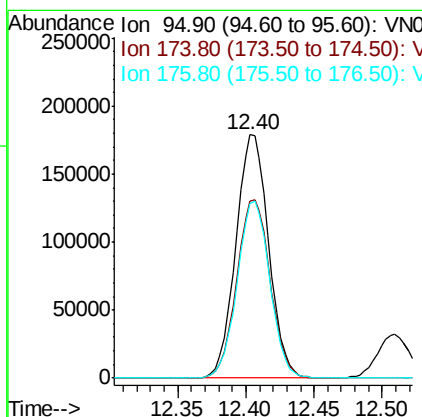
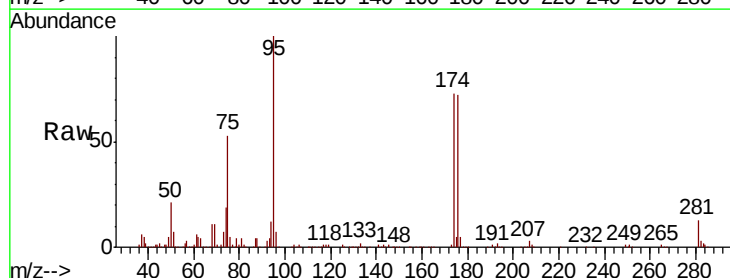
Manual Integrations
 APPROVED

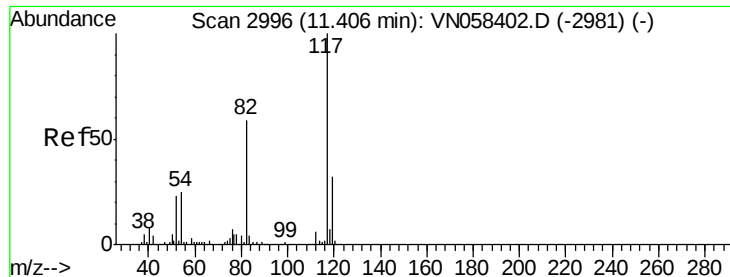
MMDadoda
 10/7/2019 12:08:36 PM



#62
 4-Bromofluorobenzene
 Concen: 53.464 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	150.6
176	72.5	0.0	146.2





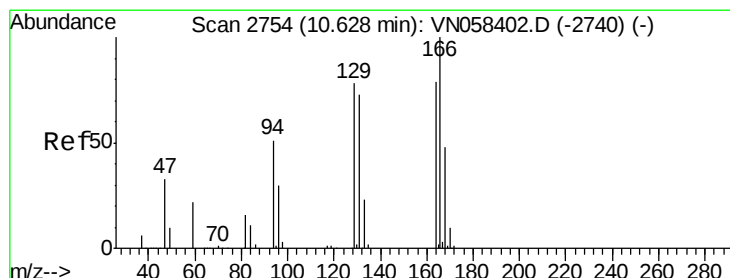
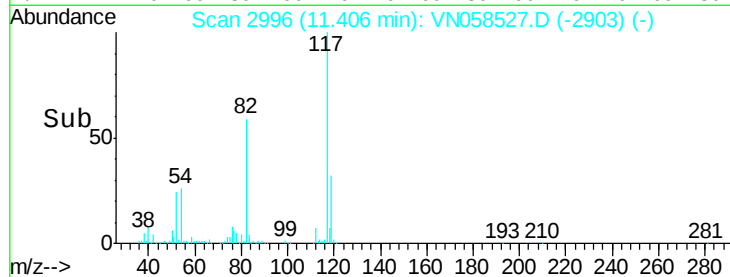
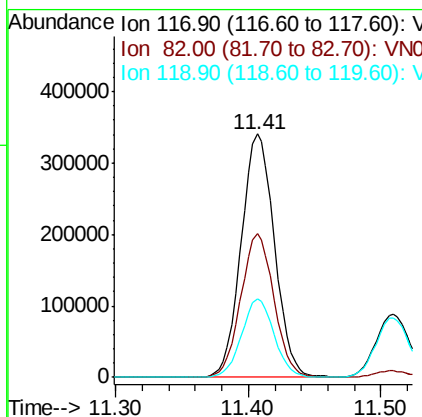
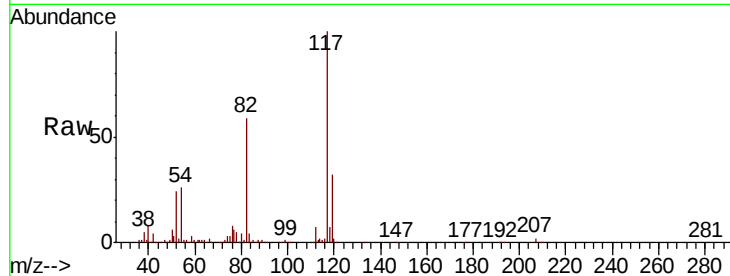
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.4	71.0
119	32.1	25.5	38.3

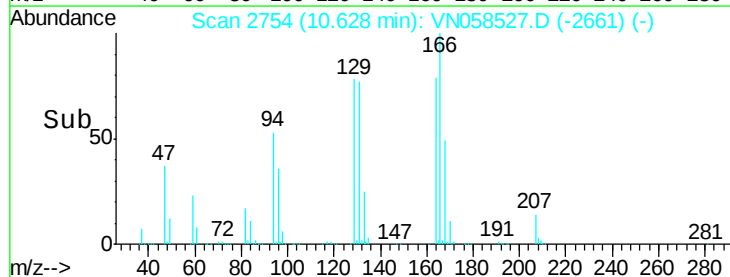
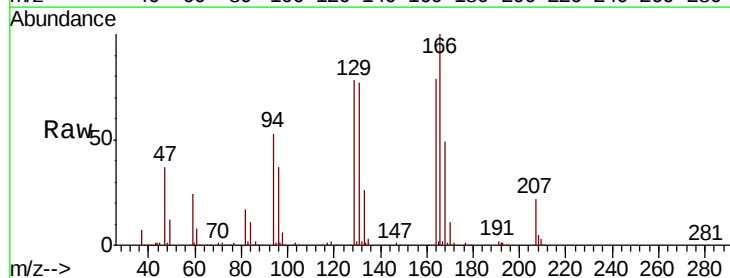
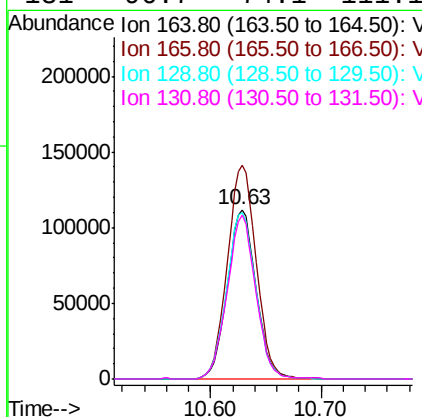
Manual Integrations
APPROVED

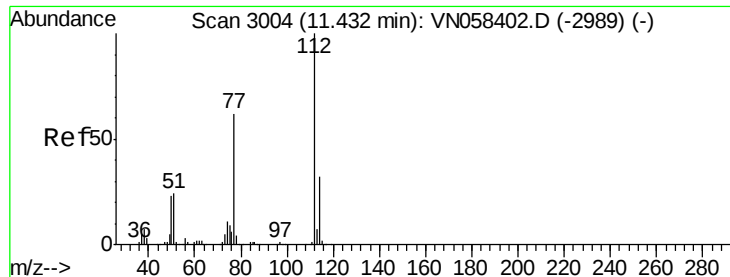
MMDadoda
10/7/2019 12:08:36 PM



#64
Tetrachloroethene
Concen: 53.615 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.1	151.7
129	98.6	79.2	118.8
131	96.7	74.1	111.1





#65

Chlorobenzene

Concen: 52.040 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 614637

Ion Ratio Lower Upper

112 100

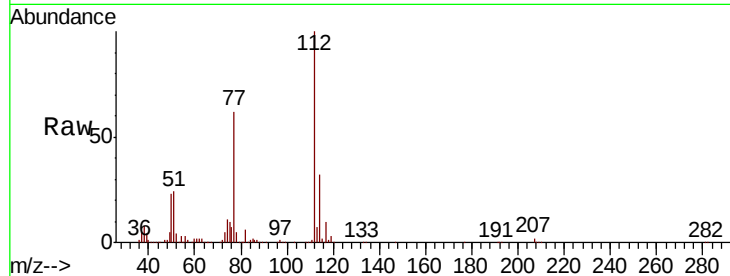
114 31.7 25.4 38.2

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

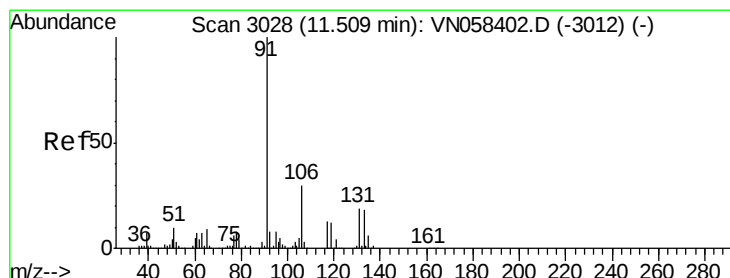
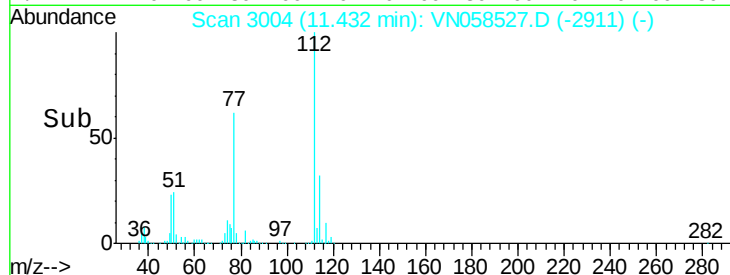
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 55.961 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

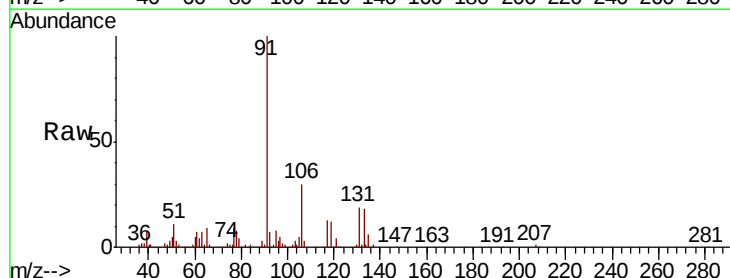
Tgt Ion:131 Resp: 222690

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

119 65.4 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

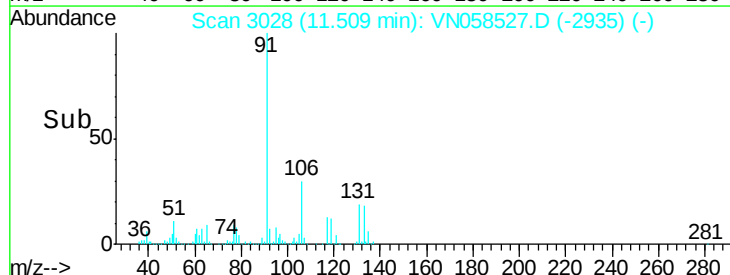
150000

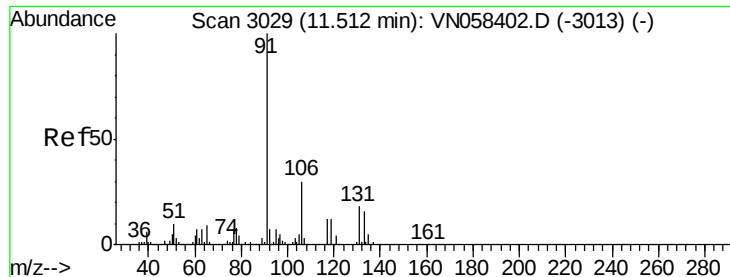
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 53.401 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1142410

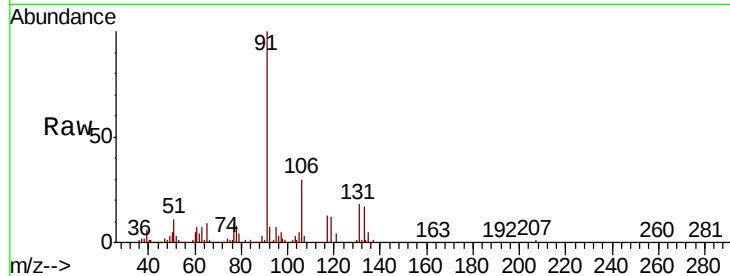
Ion Ratio Lower Upper

91 100

106 29.8 24.3 36.5

Manual Integrations
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10/7/2019 12:08:36 PM



Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN058402.D (-3013) (-)

1000000

800000

600000

400000

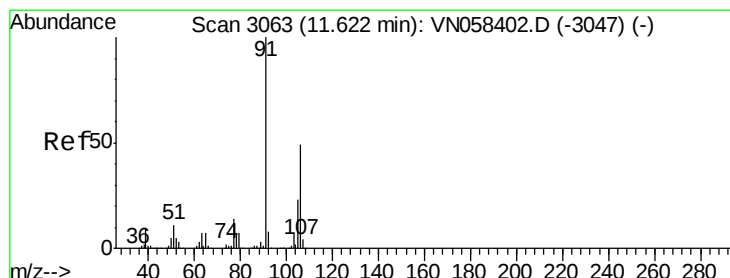
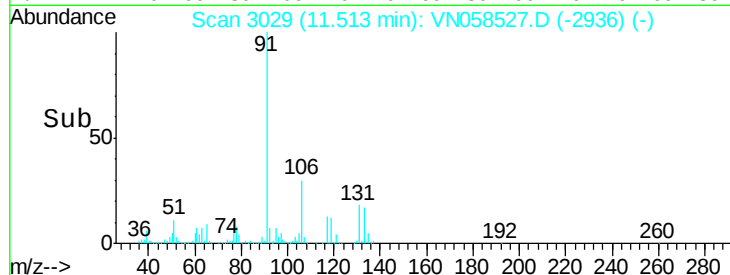
200000

0

11.51

11.60

Time-->



#68

m/p-Xylenes

Concen: 103.483 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058527.D

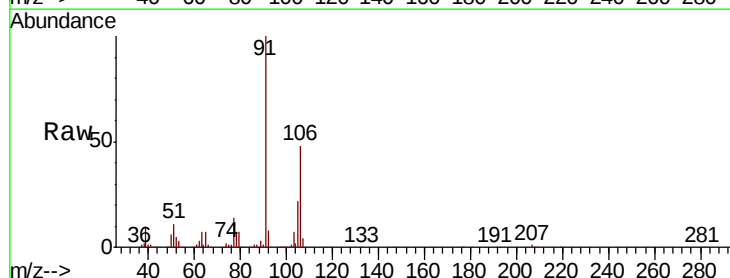
Acq: 4 Oct 2019 10:12

Tgt Ion: 106 Resp: 832926

Ion Ratio Lower Upper

106 100

91 209.4 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN058402.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN058402.D (-3047) (-)

1000000

800000

600000

400000

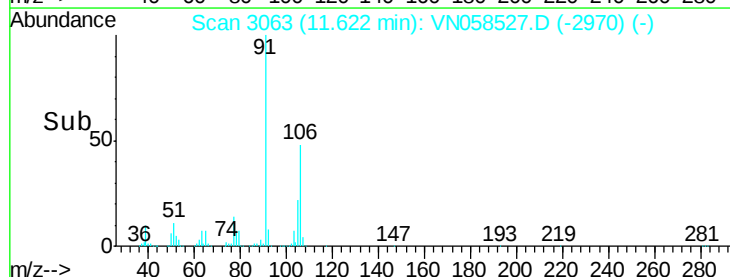
200000

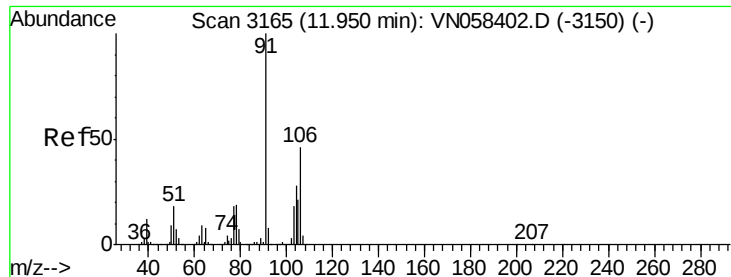
0

11.62

11.70

Time-->





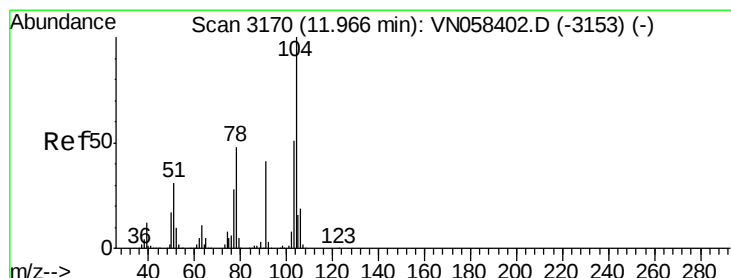
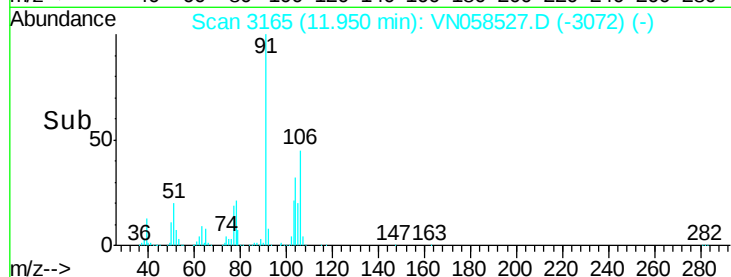
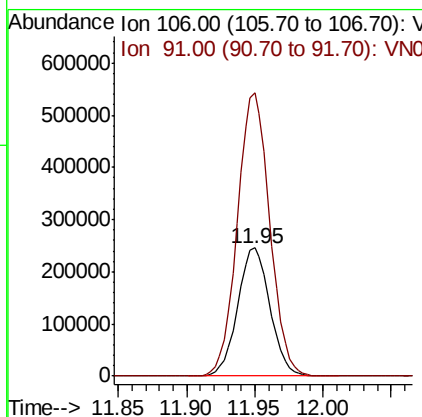
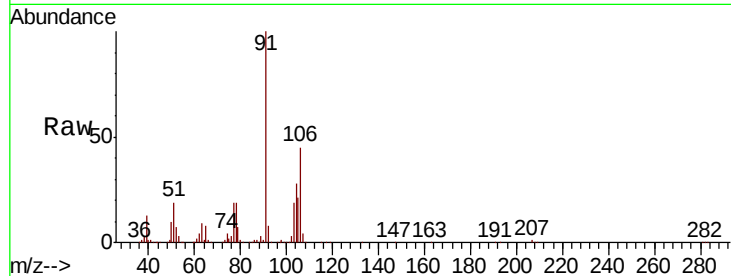
#69
o-Xylene
Concen: 52.053 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
403320	106			
106	100			
91	221.6	109.1	327.4	

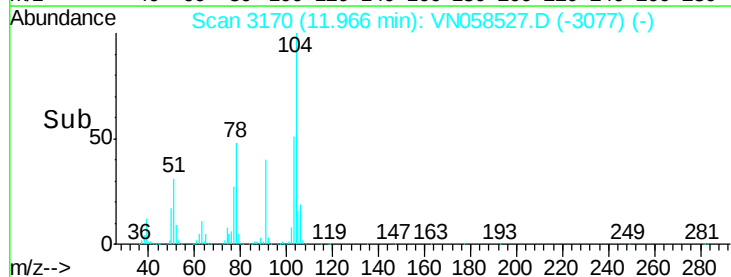
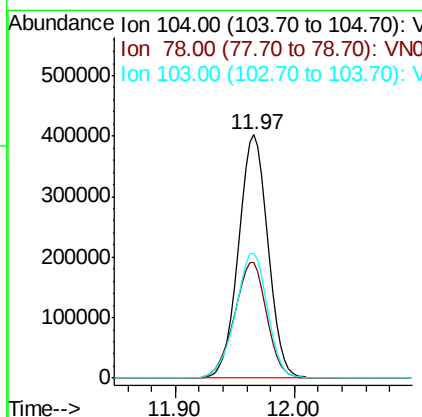
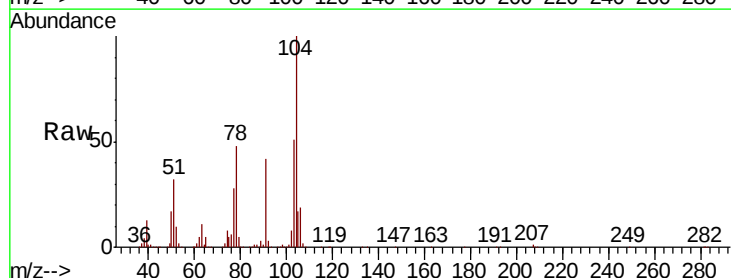
Manual Integrations
APPROVED

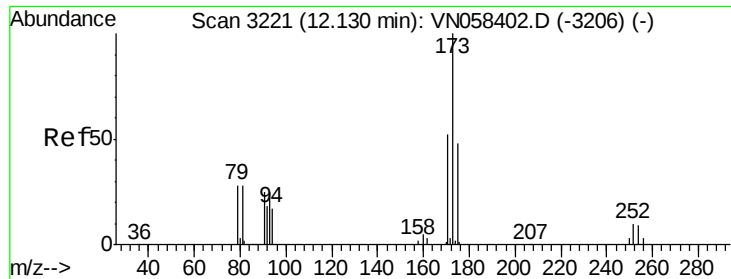
MMDadoda
10/7/2019 12:08:36 PM



#70
Styrene
Concen: 54.792 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ion	Ratio	Lower	Upper
689689	104			
104	100			
78	52.6	42.8	64.2	
103	55.8	43.7	65.5	





#71

Bromoform

Concen: 52.445 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 144318

Ion Ratio Lower Upper

173 100

175 48.9 24.3 73.0

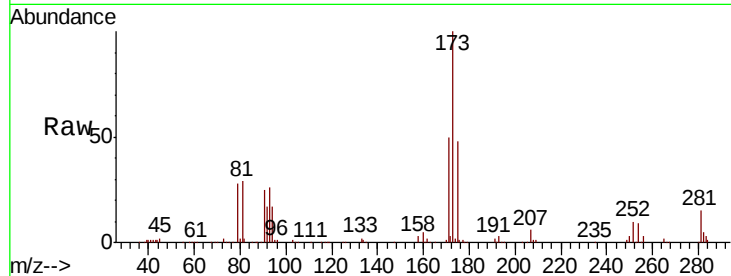
254 0.1 0.1 0.1#

Manual Integrations

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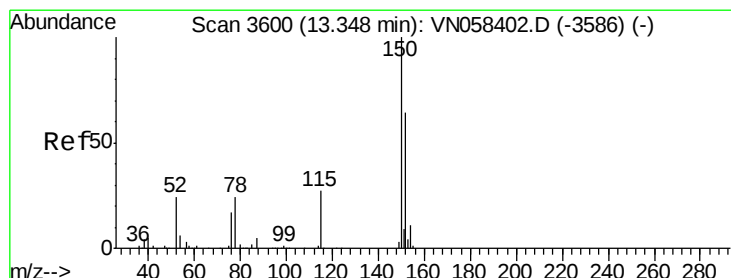
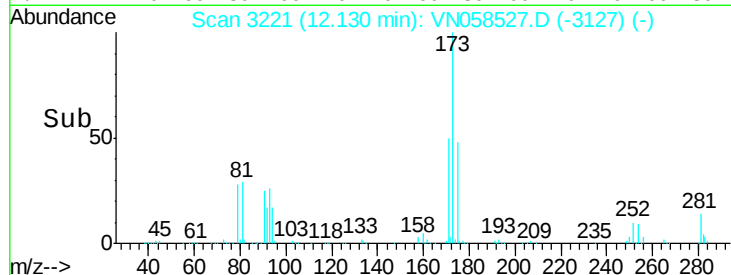
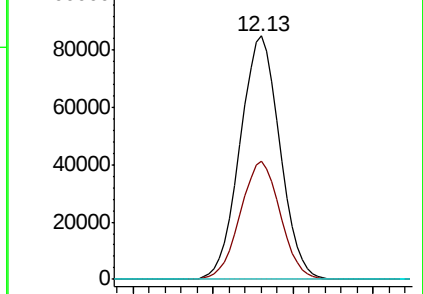
10/7/2019 12:08:36 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

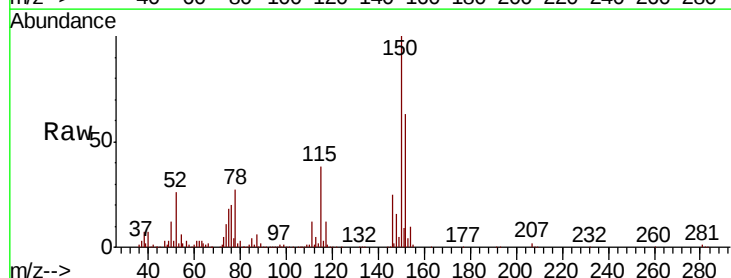
Tgt Ion:152 Resp: 290804

Ion Ratio Lower Upper

152 100

115 61.7 30.0 90.0

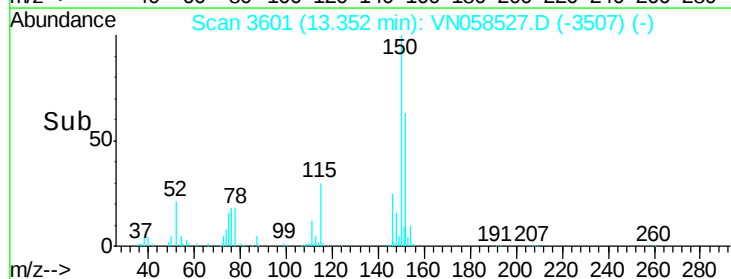
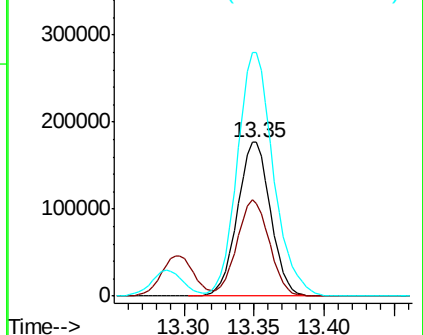
150 172.8 0.0 348.2

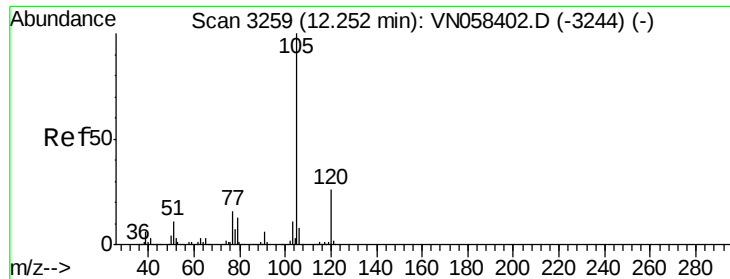


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





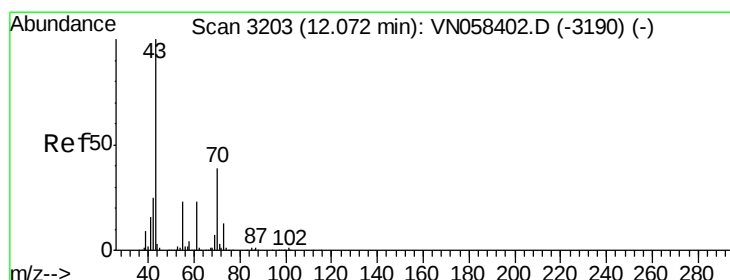
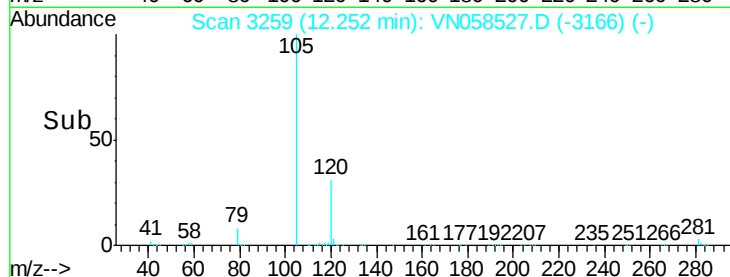
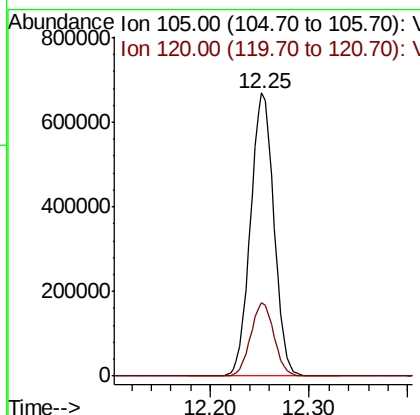
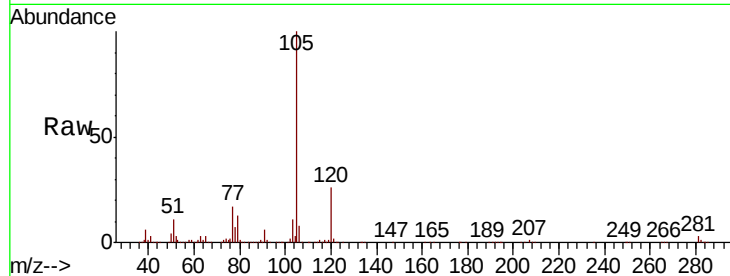
#73
Isopropylbenzene
Concen: 50.707 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1089739
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4

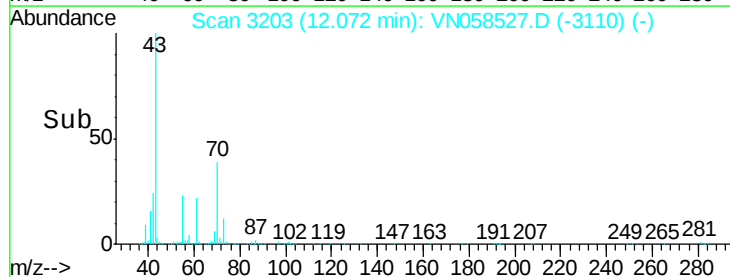
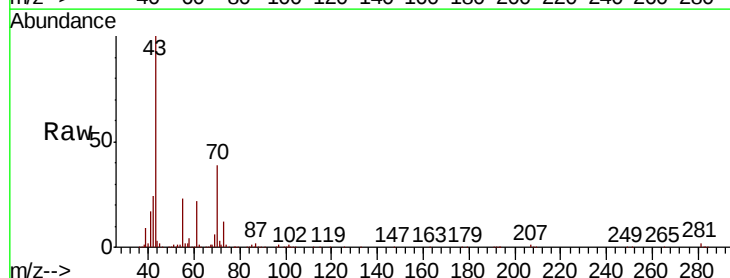
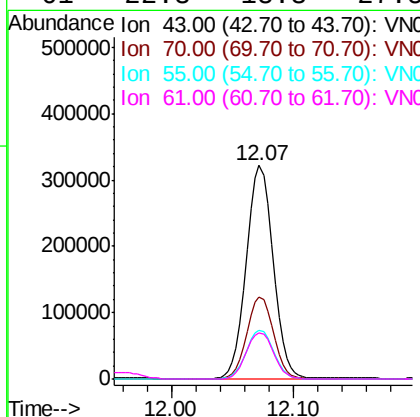
Manual Integrations
APPROVED

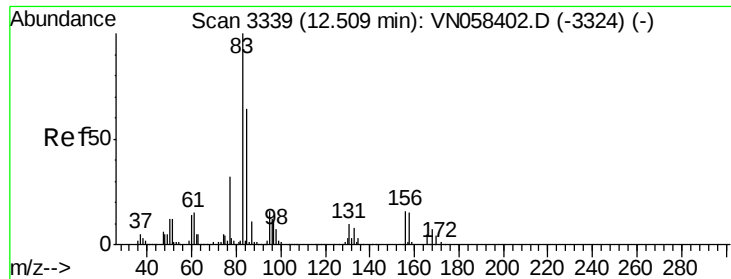
MMDadoda
10/7/2019 12:08:36 PM



#74
N-ethyl acetate
Concen: 56.657 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 43 Resp: 484402
Ion Ratio Lower Upper
43 100
70 38.3 31.4 47.2
55 23.5 18.2 27.4
61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.613 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

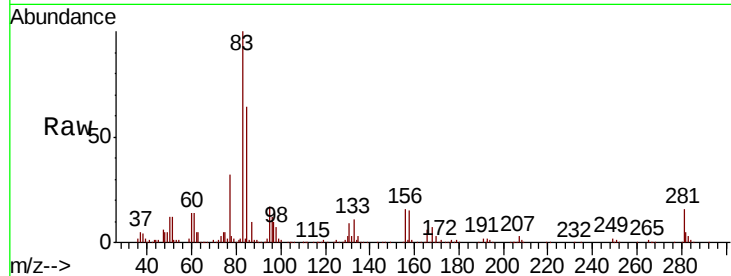
ClientSampleId :

VSTDCCC050

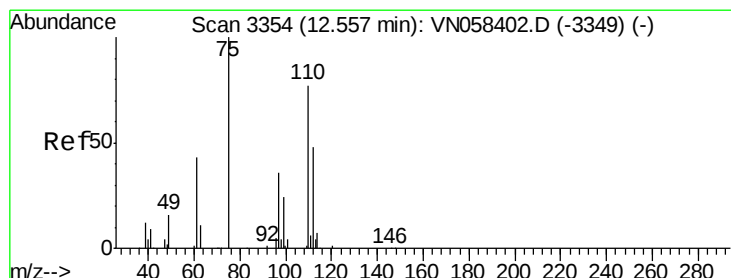
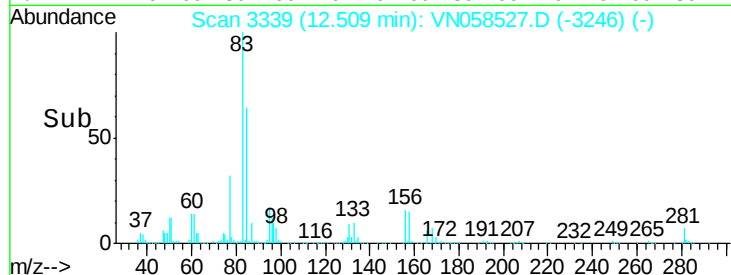
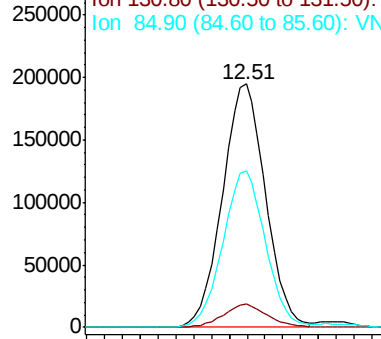
Tot Ion:	83	Resp:	328000
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.6	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN058527.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 56.339 ug/l m

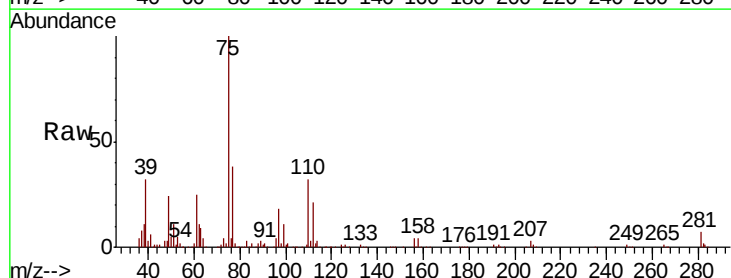
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

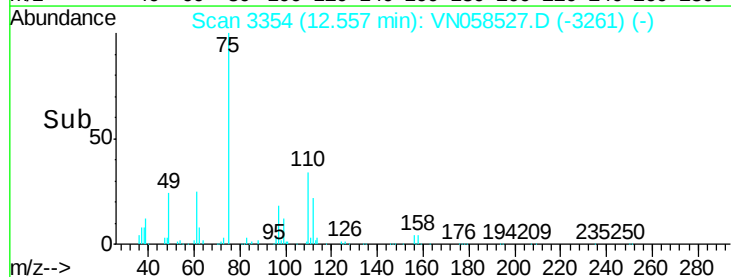
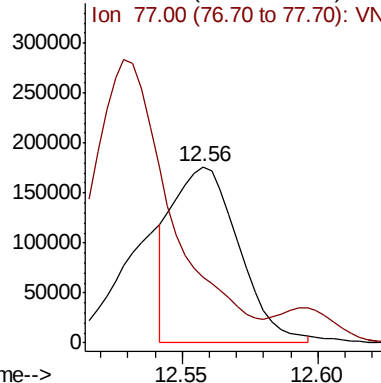
Lab File: VN058527.D

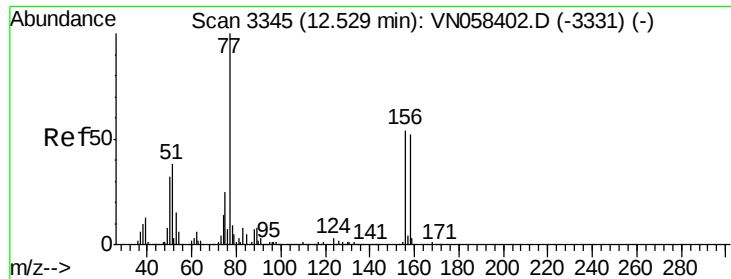
Acq: 4 Oct 2019 10:12

Tgt Ion:	75	Resp:	299248
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058527.D (-3261) (-)





#77

Bromobenzene

Concen: 50.774 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

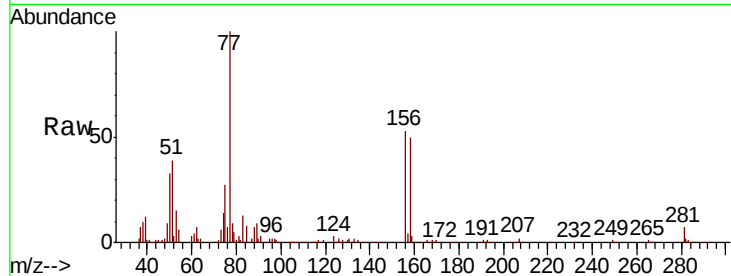
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	227.1	110.0	330.0	
158	96.1	47.9	143.8	

Manual Integrations
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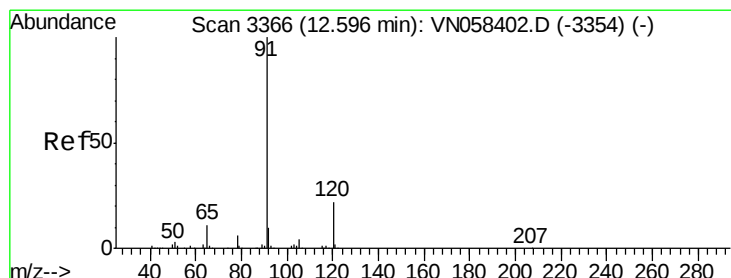
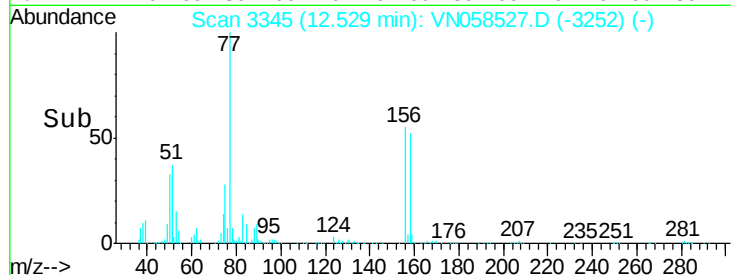
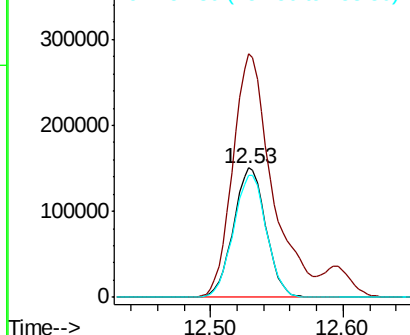
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.325 ug/l

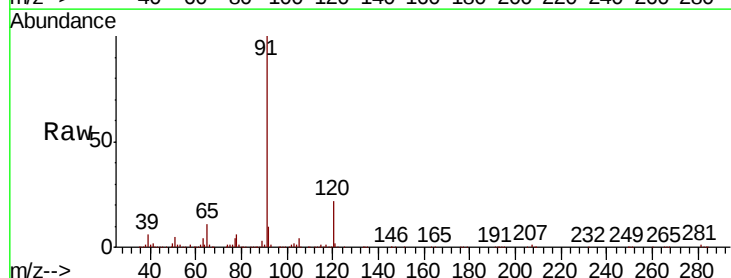
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058527.D

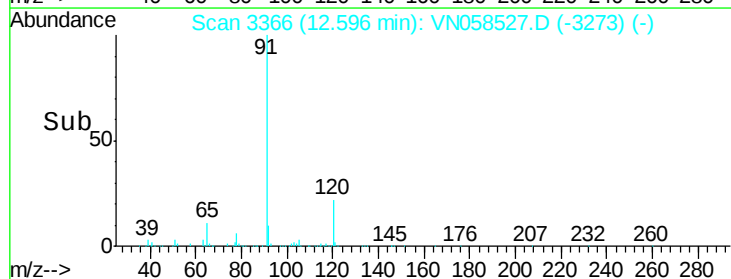
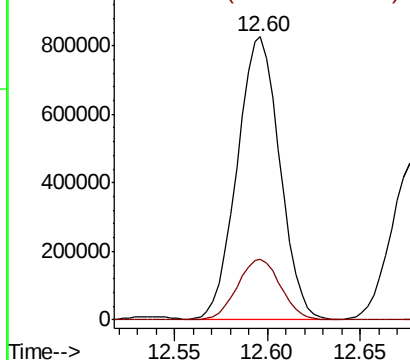
Acq: 4 Oct 2019 10:12

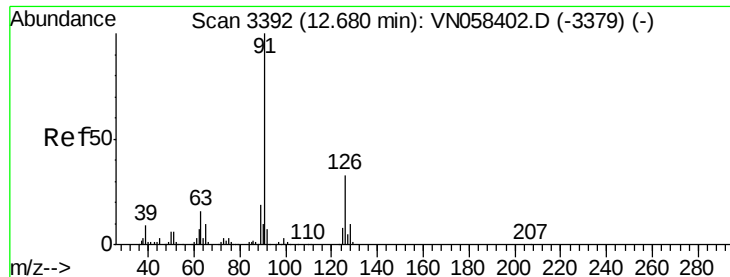
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	10.9	32.9	



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.698 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 772606

Ion Ratio Lower Upper

91 100

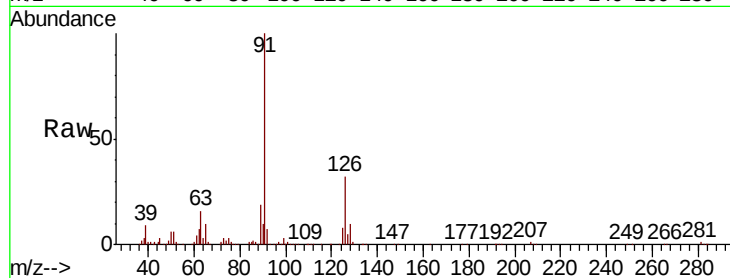
126 32.3 16.2 48.6

Manual Integrations

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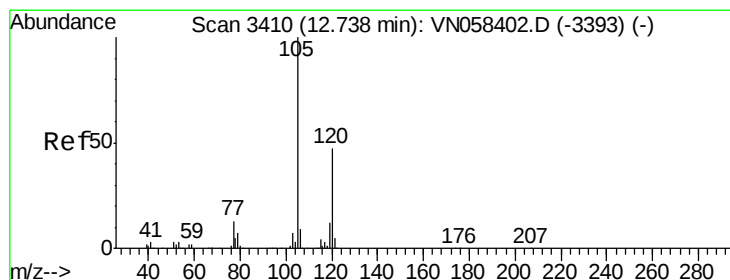
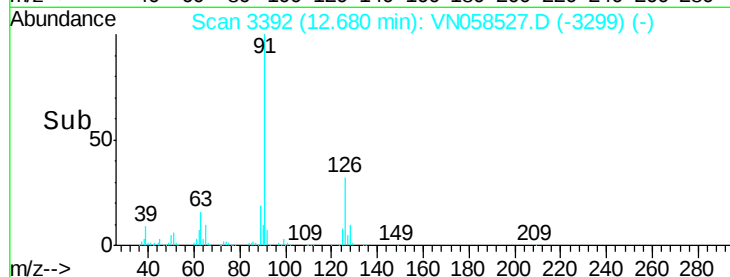
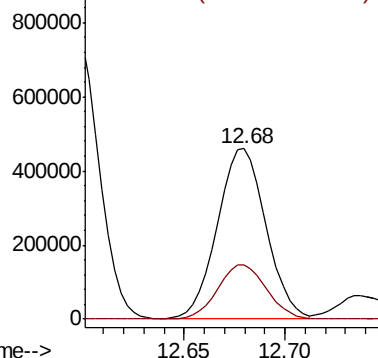
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Abundance Ion 91.00 (90.70 to 91.70): VN058527.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058527.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.953 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058527.D

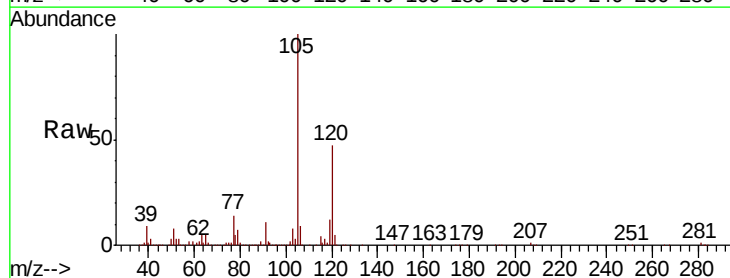
Acq: 4 Oct 2019 10:12

Tgt Ion: 105 Resp: 934638

Ion Ratio Lower Upper

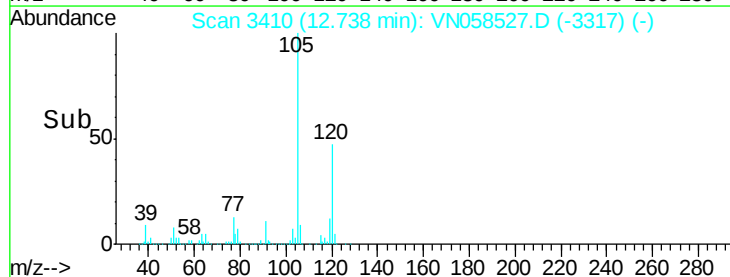
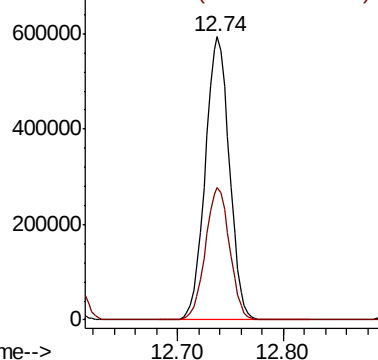
105 100

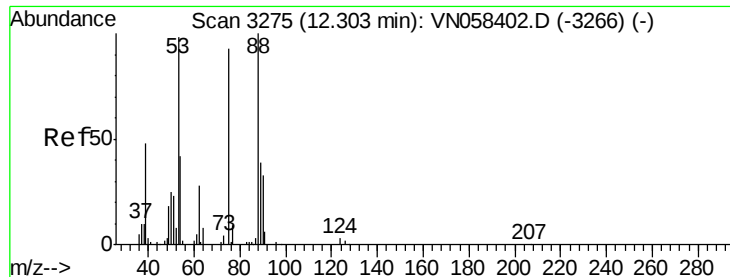
120 47.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058527.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058527.D (-3317) (-)





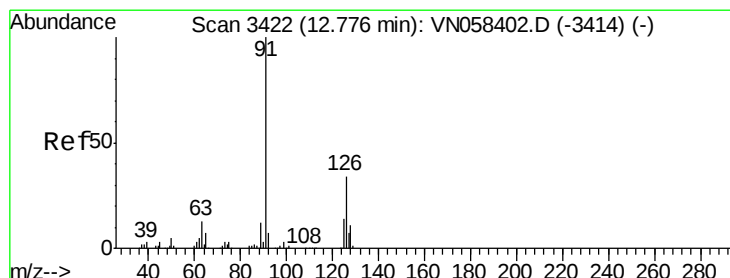
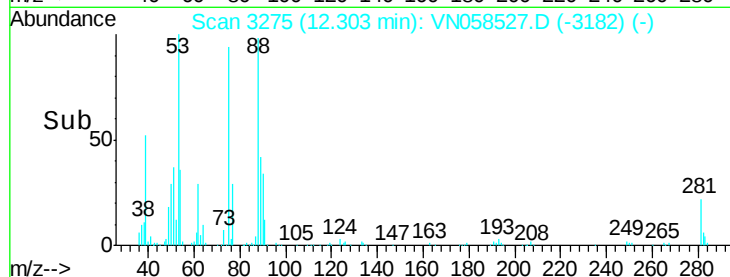
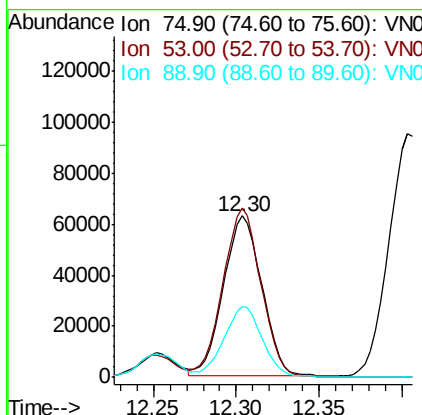
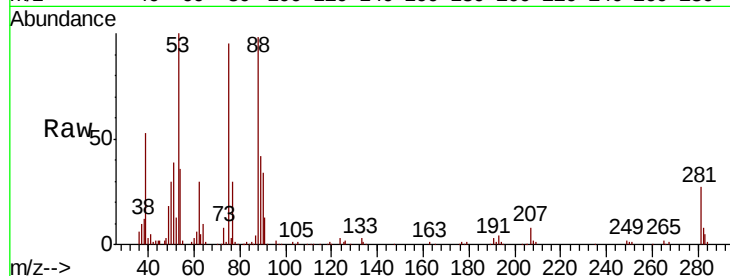
#81
trans-1,4-Dichloro-2-butene
Concen: 57.782 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.9	85.4	128.0
89	43.7	35.0	52.4

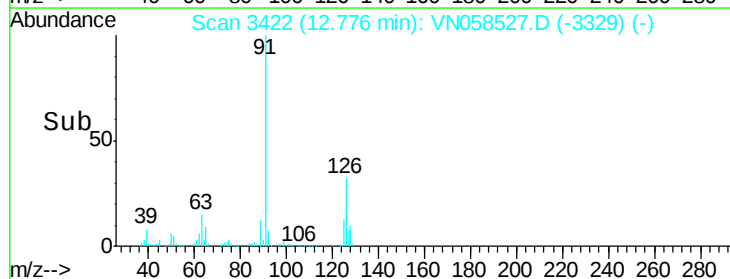
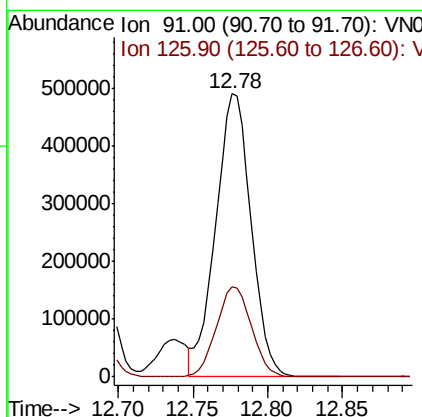
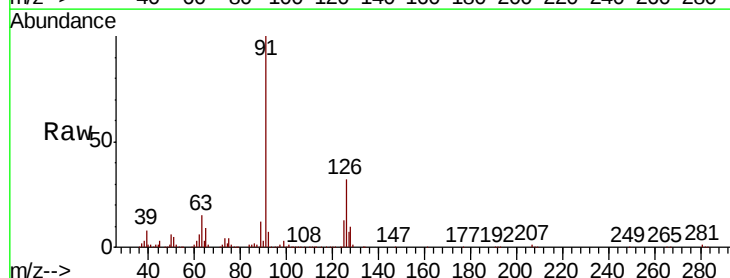
Manual Integrations
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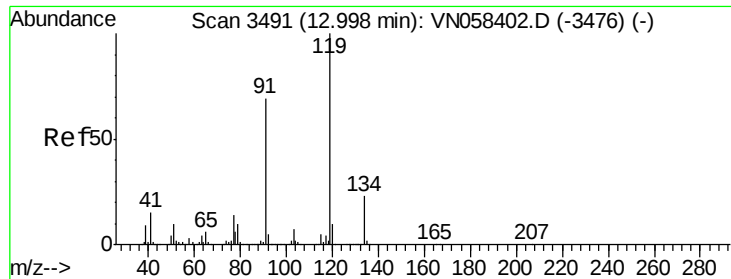
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#82
4-Chlorotoluene
Concen: 52.865 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.7





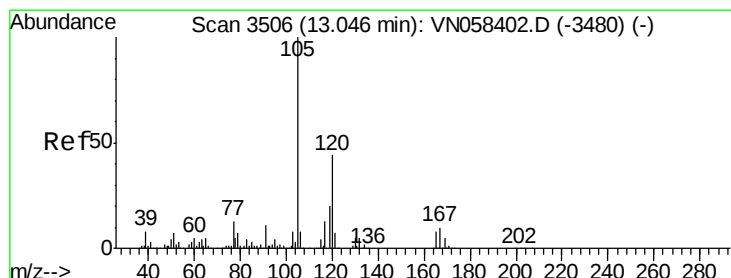
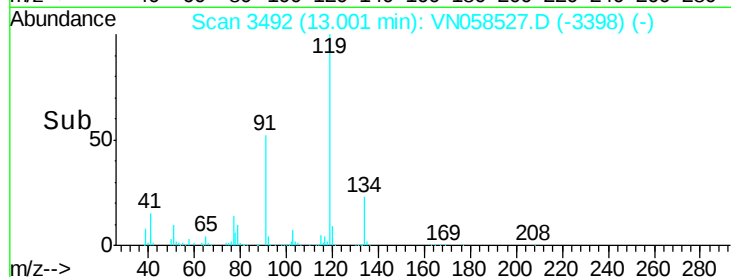
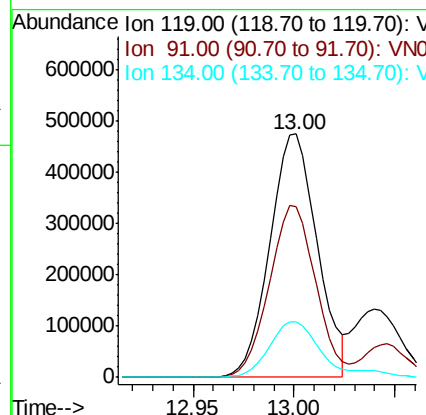
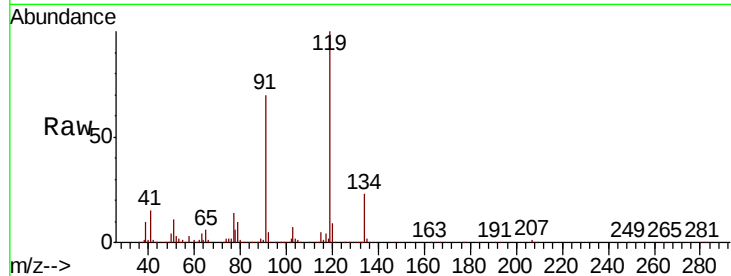
#83
 tert-Butylbenzene
 Concen: 51.065 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.2	102.6
134	23.6	11.6	34.8

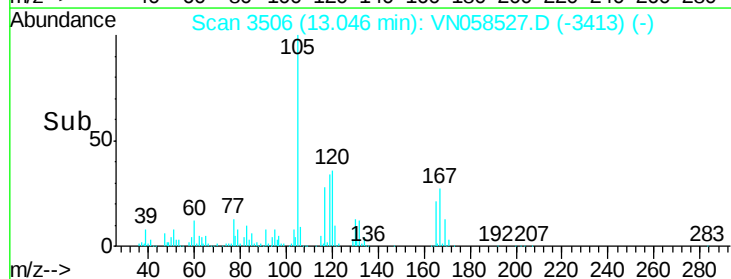
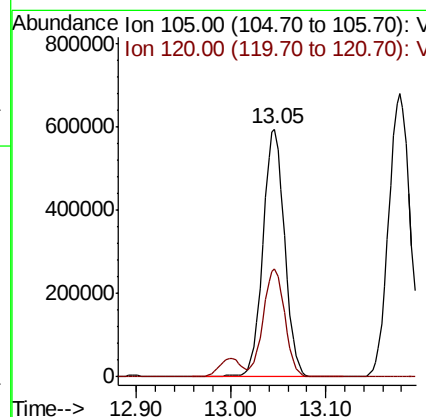
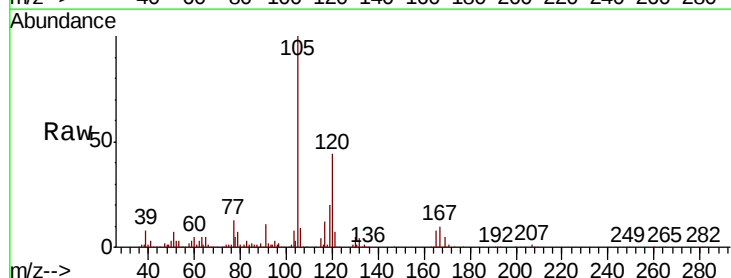
Manual Integrations
 APPROVED

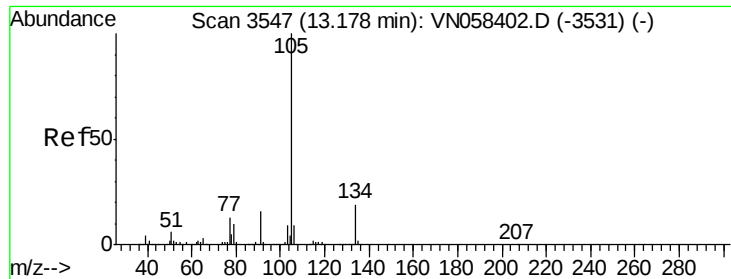
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.258 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.7	65.1





#85

sec-Butylbenzene

Concen: 54.064 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1080219

Ion Ratio Lower Upper

105 100

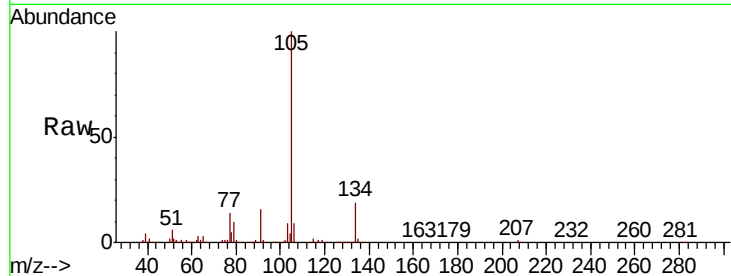
134 18.9 9.4 28.2

Manual Integrations

APPROVED

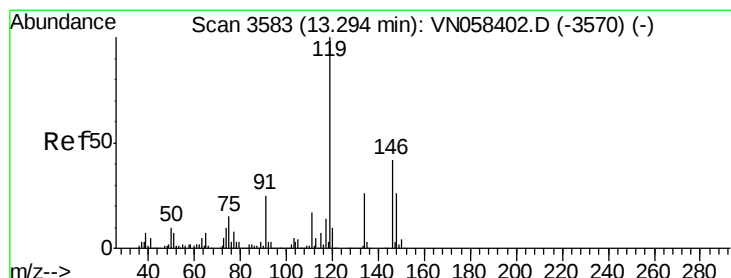
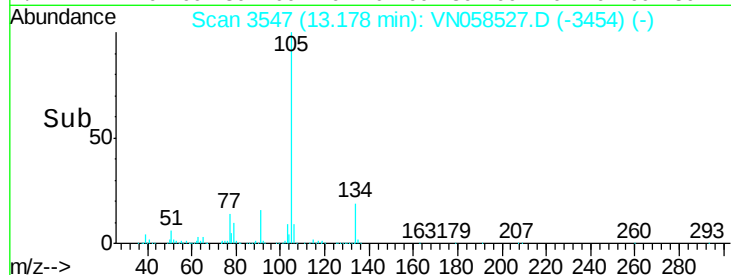
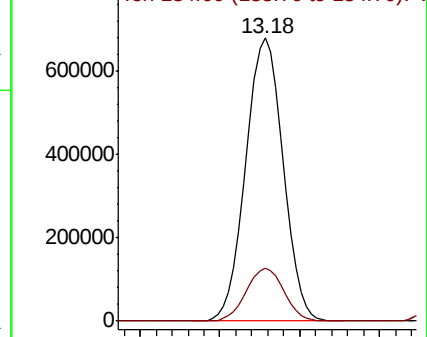
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.676 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

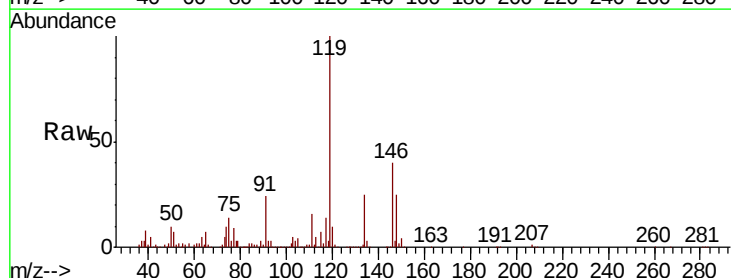
Tgt Ion:119 Resp: 979209

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

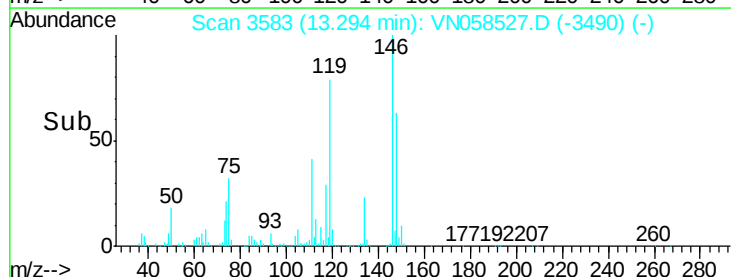
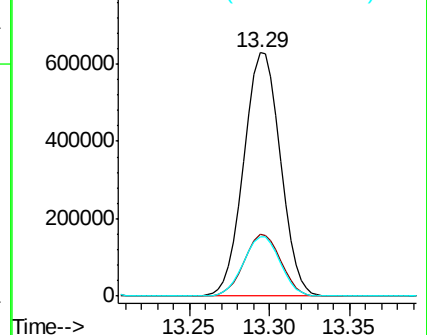
91 24.6 12.4 37.0

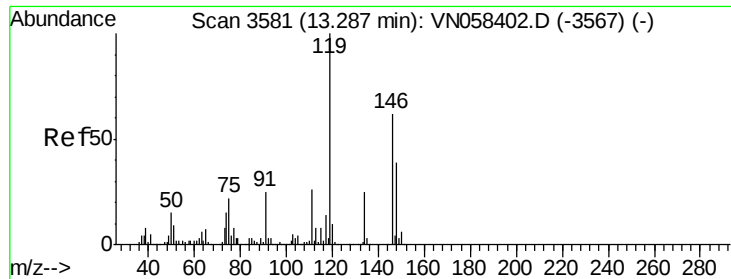


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





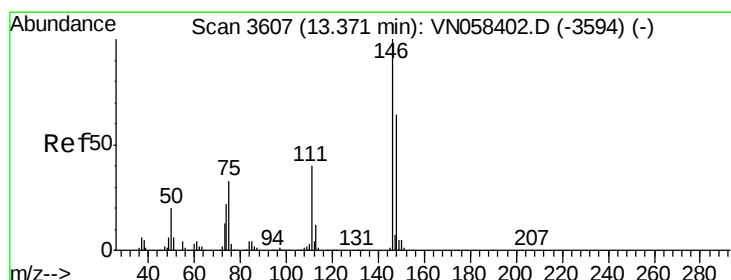
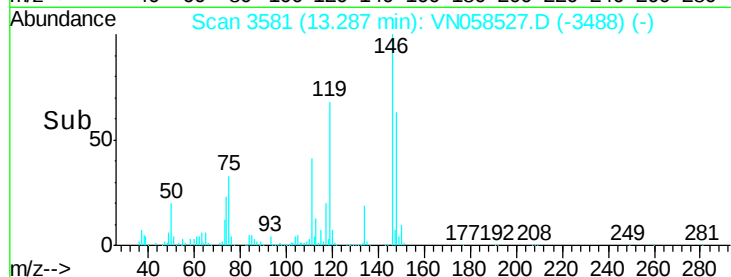
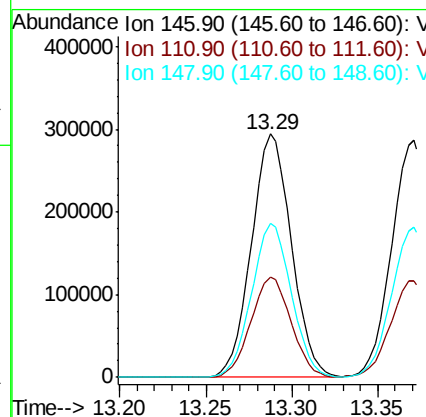
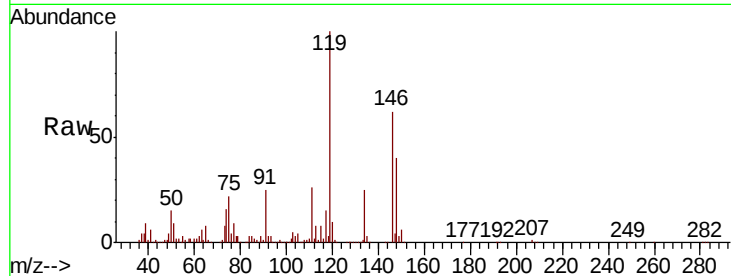
#87
 1,3-Dichlorobenzene
 Concen: 52.087 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	63.0	31.4	94.3

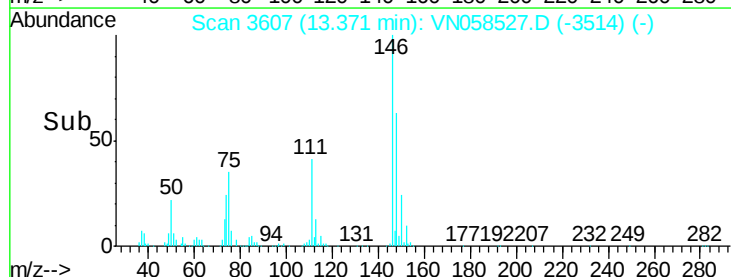
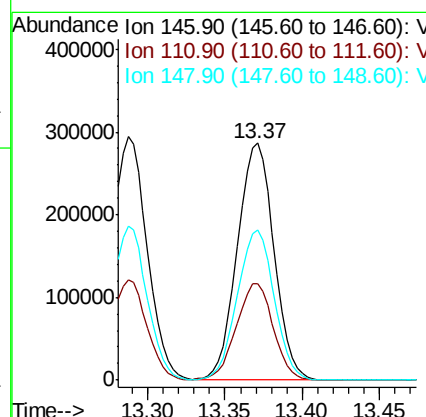
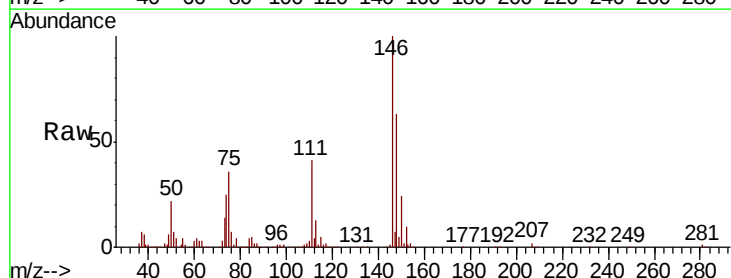
Manual Integrations
 APPROVED

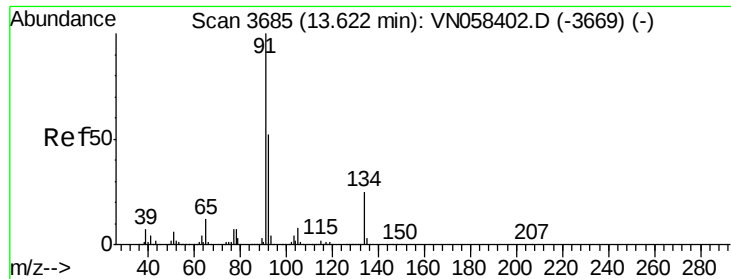
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#88
 1,4-Dichlorobenzene
 Concen: 51.780 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	63.9	31.5	94.5





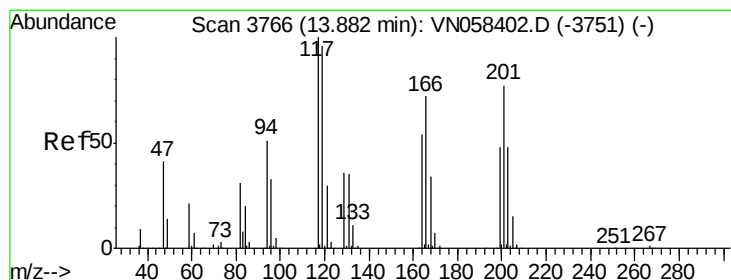
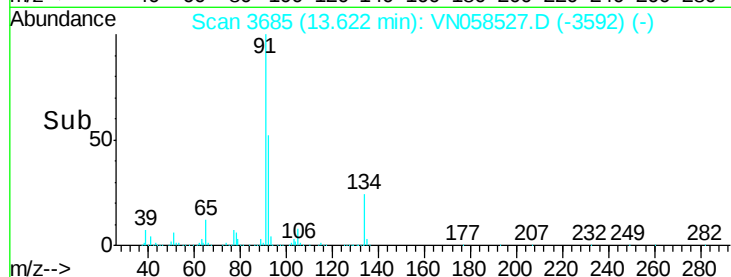
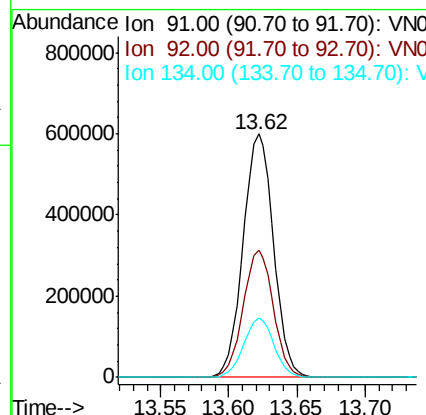
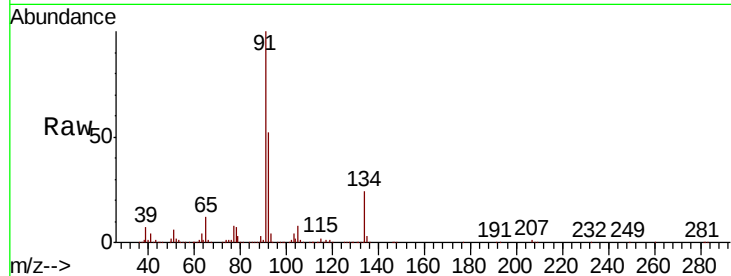
#89
n-Butylbenzene
Concen: 58.206 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.7	77.1
134	24.2	12.2	36.6

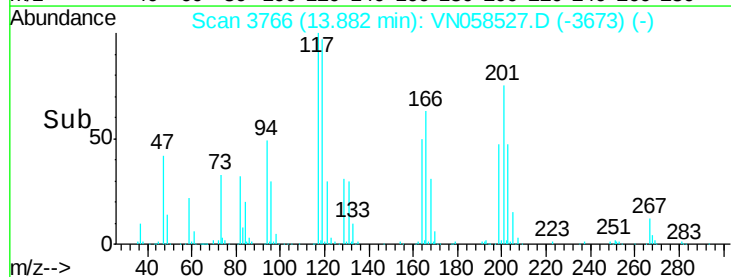
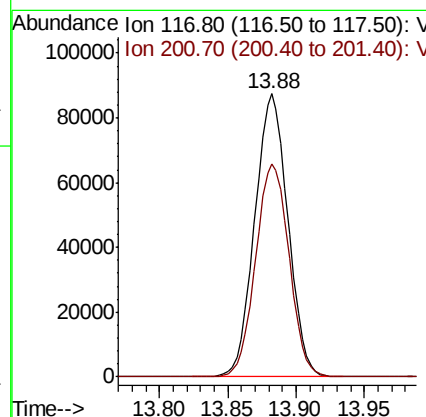
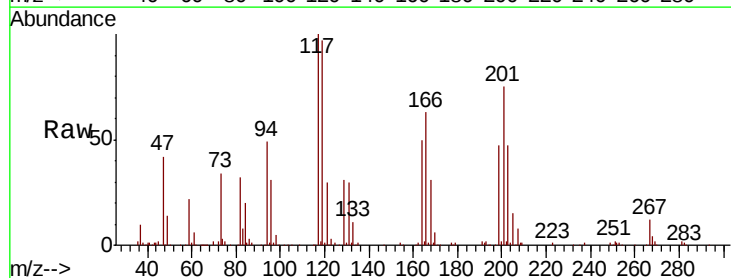
Manual Integrations
APPROVED

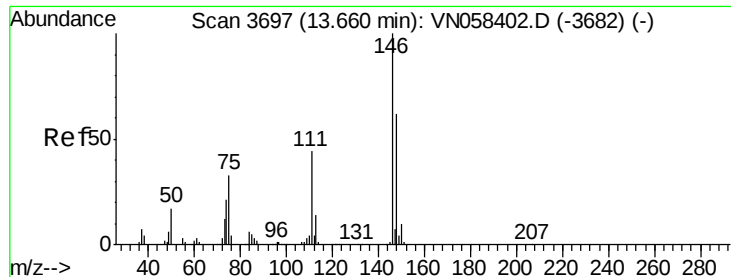
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#90
Hexachloroethane
Concen: 55.840 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.6	116.0





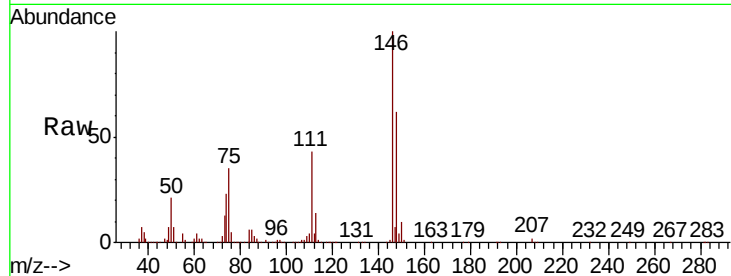
#91
 1,2-Dichlorobenzene
 Concen: 52.858 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	62.9	31.5	94.5

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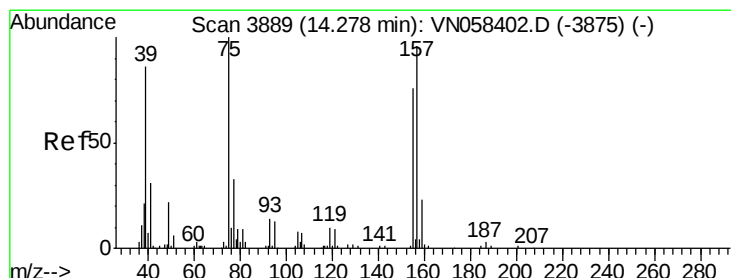
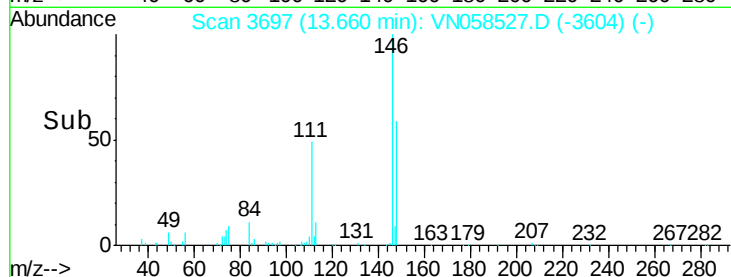
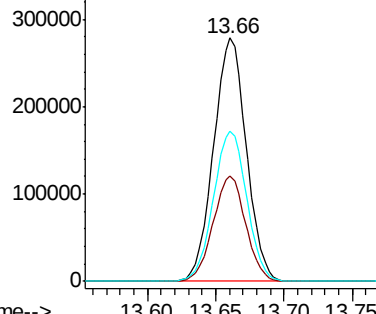


Abundance

Ion 145.90 (145.60 to 146.60): V

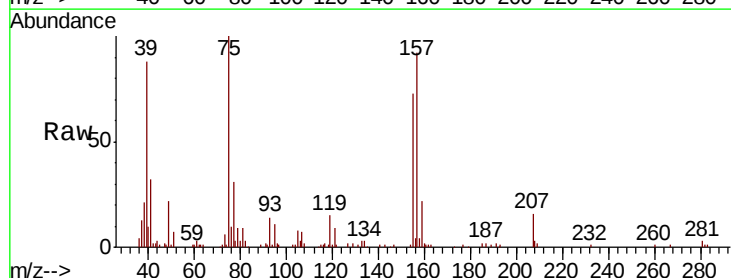
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.073 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	39.2	117.6
157	92.3	48.7	146.1

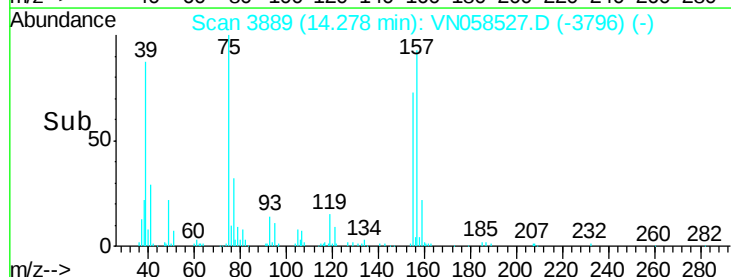
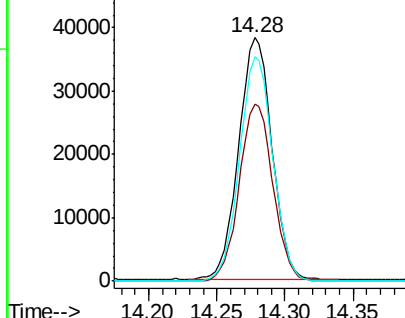


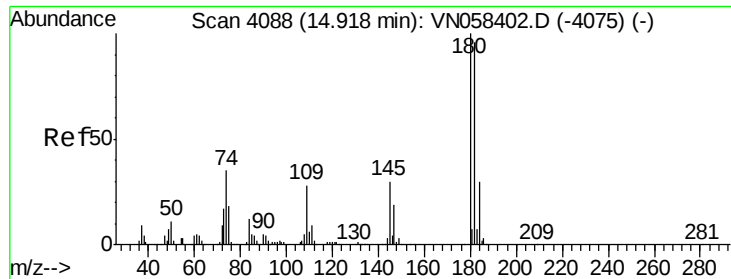
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 59.220 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

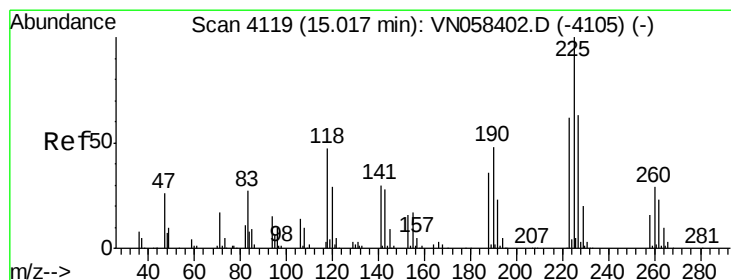
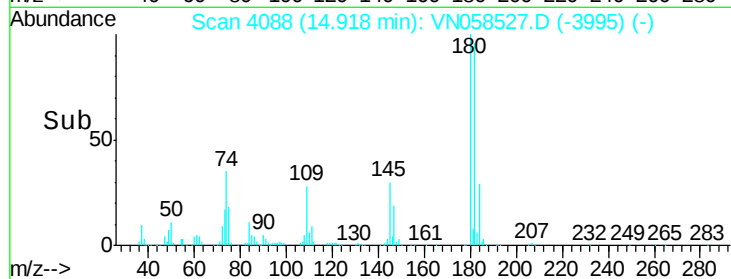
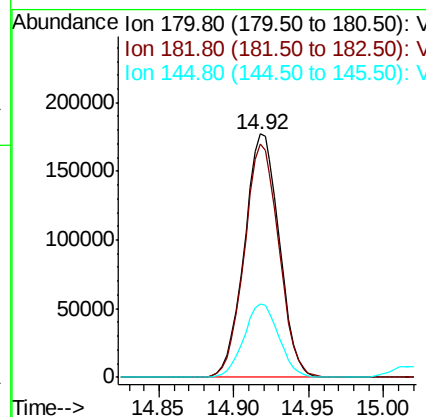
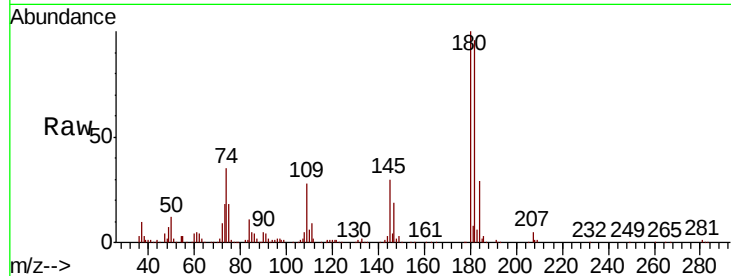
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	287305
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.4	142.3
145	30.3	15.3	45.9

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#94

Hexachlorobutadiene

Concen: 56.370 ug/l

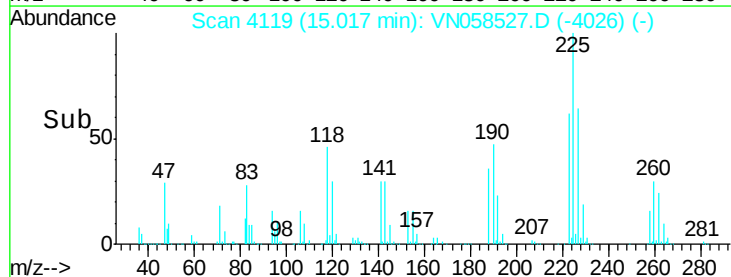
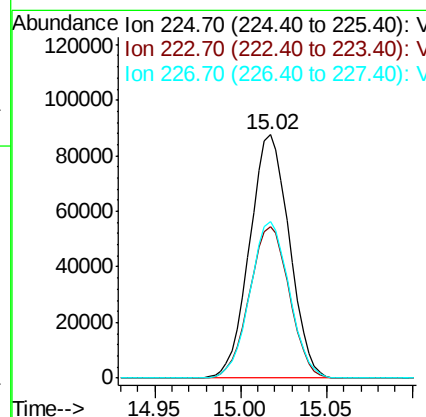
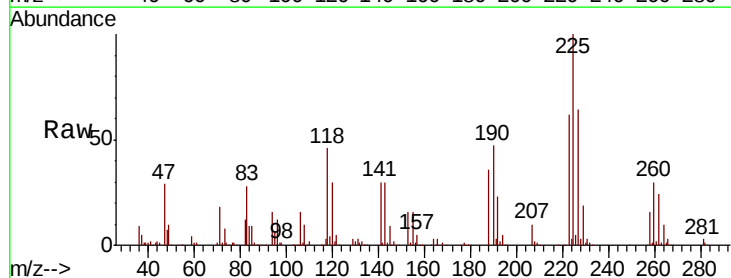
RT: 15.02 min Scan# 4119

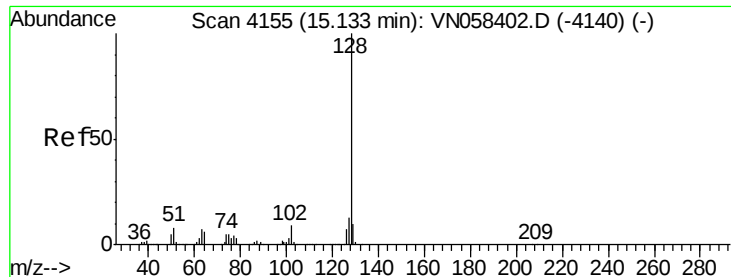
Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Tgt Ion:	225	Resp:	140564
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.1	93.5
227	63.5	31.4	94.2





#95

Naphthalene

Concen: 54.829 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

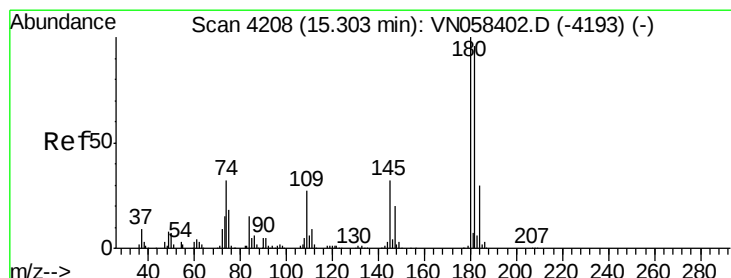
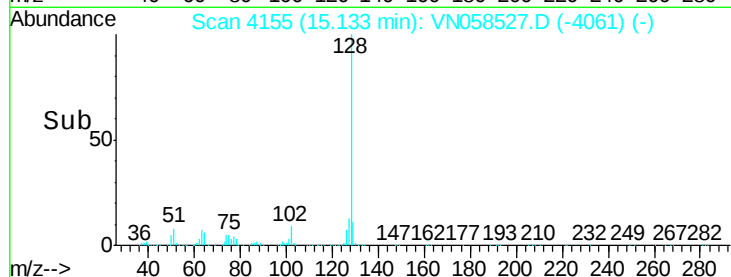
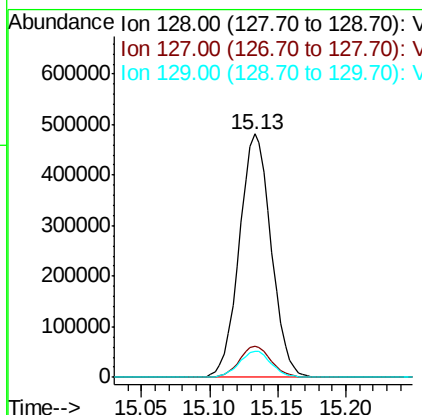
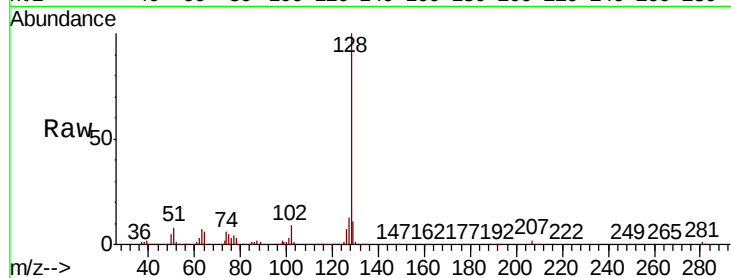
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	778960
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.4
129	10.9	8.3	12.5

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#96

1,2,3-Trichlorobenzene

Concen: 54.838 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Tgt Ion:	180	Resp:	266720
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.3	144.9
145	32.1	16.1	48.3

