

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058402.D
 Acq On : 27 Sep 2019 12:17
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:36 AM

Quant Time: Sep 27 23:34:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	481349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	814880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	727369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	355501	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.57	113	255757	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.08	98	1006943	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	361505	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	266940	62.928	ug/l	100
3) Chloromethane	2.04	50	279599	67.716	ug/l	100
4) Vinyl Chloride	2.17	62	280616	66.469	ug/l	100
5) Bromomethane	2.53	94	150056	69.615	ug/l	100
6) Chloroethane	2.67	64	168890	61.746	ug/l	100
7) Trichlorofluoromethane	3.00	101	346136	60.105	ug/l	100
8) Diethyl Ether	3.39	74	149950	57.959	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	235469	57.565	ug/l	100
10) Methyl Iodide	3.93	142	272284	73.084	ug/l	100
11) Tert butyl alcohol	4.76	59	193187	242.691	ug/l	100
12) 1,1-Dichloroethene	3.72	96	231192	64.377	ug/l	100
13) Acrolein	3.59	56	56419	404.006	ug/l	100
14) Allyl chloride	4.30	41	419162	61.809	ug/l	100
15) Acrylonitrile	4.96	53	577001	266.891	ug/l	100
16) Acetone	3.80	43	603583	258.802	ug/l	100
17) Carbon Disulfide	4.03	76	616020	95.000	ug/l	100
18) Methyl Acetate	4.30	43	286848	47.578	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	809917	53.875	ug/l	100
20) Methylene Chloride	4.53	84	262507	56.204	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	253705	65.134	ug/l	100
22) Diisopropyl ether	5.93	45	887972	53.683	ug/l	100
23) Vinyl Acetate	5.87	43	3682134	316.600	ug/l	100
24) 1,1-Dichloroethane	5.83	63	503515	56.103	ug/l	100
25) 2-Butanone	6.81	43	841549	267.028	ug/l	100
26) 2,2-Dichloropropane	6.80	77	420173	55.350	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	297990	58.364	ug/l	100
28) Bromochloromethane	7.18	49	204029	50.077	ug/l	100
29) Tetrahydrofuran	7.19	42	532143	271.301	ug/l	100
30) Chloroform	7.36	83	505247	52.961	ug/l	100
31) Cyclohexane	7.64	56	473830	65.817	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	431312	58.631	ug/l	100
36) 1,1-Dichloropropene	7.78	75	392419	62.318	ug/l	100
37) Ethyl Acetate	6.91	43	346437	55.482	ug/l	100
38) Carbon Tetrachloride	7.76	117	364178	58.882	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	458654	67.424	ug/l	100
40) Benzene	8.03	78	1130464	59.853	ug/l	100
41) Methacrylonitrile	7.15	41	154242	52.289	ug/l	100
42) 1,2-Dichloroethane	8.11	62	430526	55.355	ug/l	100
43) Isopropyl Acetate	8.15	43	603975	52.078	ug/l	100
44) Trichloroethene	8.82	130	282180	60.935	ug/l	100
45) 1,2-Dichloropropane	9.11	63	303820	55.272	ug/l	100
46) Dibromomethane	9.20	93	191169	56.738	ug/l	100
47) Bromodichloromethane	9.39	83	377833	54.483	ug/l	100
48) Methyl methacrylate	9.19	41	286613	54.501	ug/l	100
49) 1,4-Dioxane	9.19	88	79356	951.114	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1702257	279.394	ug/l	100
52) Toluene	10.15	92	694976	59.132	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	429416	59.600	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	470841	59.030	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	262359	52.053	ug/l	100
56) Ethyl methacrylate	10.43	69	413320	56.443	ug/l	100
57) 1,3-Dichloropropane	10.71	76	469018	53.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	833528	248.695	ug/l	100
59) 2-Hexanone	10.75	43	1238655	274.415	ug/l	100
60) Dibromochloromethane	10.90	129	269154	55.476	ug/l	100
61) 1,2-Dibromoethane	11.00	107	272185	57.106	ug/l	100
64) Tetrachloroethene	10.63	164	230189	61.126	ug/l	100
65) Chlorobenzene	11.43	112	728184	55.238	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	257570	54.726	ug/l	100
67) Ethyl Benzene	11.51	91	1358071	59.628	ug/l	100
68) m/p-Xylenes	11.62	106	1010459	117.644	ug/l	100
69) o-Xylene	11.95	106	485893	57.832	ug/l	100
70) Styrene	11.97	104	819843	57.256	ug/l	100
71) Bromoform	12.13	173	163527	55.187	ug/l #	100
73) Isopropylbenzene	12.25	105	1314100	58.335	ug/l	100
74) N-amyl acetate	12.07	43	534826	57.426	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	374321	50.918	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	324617m	51.372	ug/l	
77) Bromobenzene	12.53	156	300116	53.431	ug/l	100
78) n-propylbenzene	12.60	91	1530921	59.765	ug/l	100
79) 2-Chlorotoluene	12.68	91	897016	56.341	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1117606	58.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	111023	57.121	ug/l	100
82) 4-Chlorotoluene	12.78	91	927076	55.685	ug/l	100
83) tert-Butylbenzene	13.00	119	930393	55.481	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1119688	59.225	ug/l	100
85) sec-Butylbenzene	13.18	105	1251206	57.059	ug/l	100
86) p-Isopropyltoluene	13.29	119	1115797	57.362	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	547475	53.748	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	547372	52.790	ug/l	100
89) n-Butylbenzene	13.62	91	984369	54.124	ug/l	100
90) Hexachloroethane	13.88	117	171300	56.882	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	529839	52.299	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69320	52.484	ug/l	100

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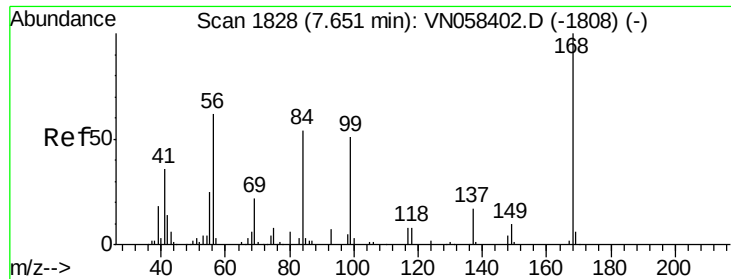
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	315389	49.485	ug/l	100
94) Hexachlorobutadiene	15.02	225	147629	47.839	ug/l	100
95) Naphthalene	15.13	128	860991	52.246	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	291403	48.679	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 481349

Ion Ratio Lower Upper

168 100

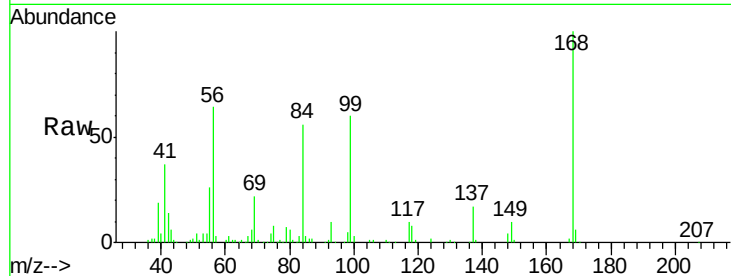
99 59.6 47.7 71.5

Manual Integrations

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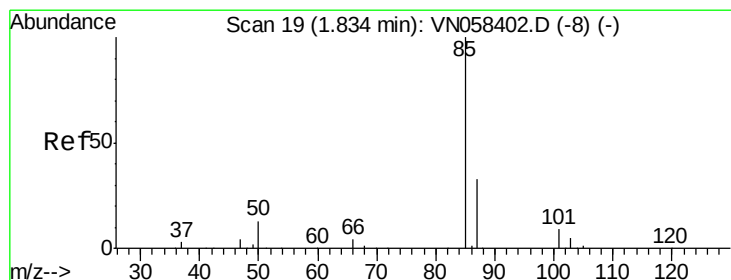
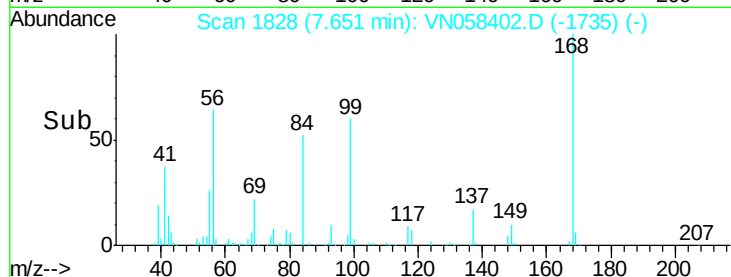
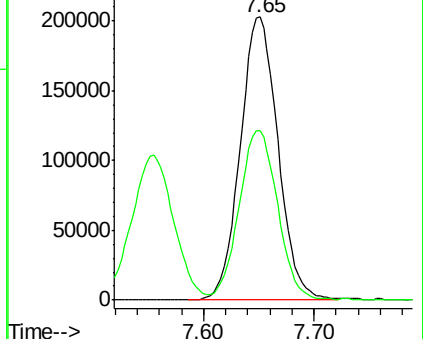
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 62.928 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058402.D

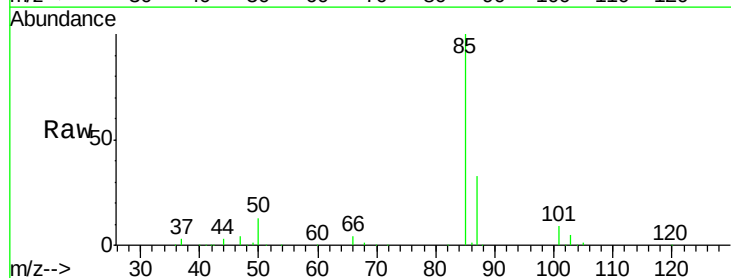
Acq: 27 Sep 2019 12:17

Tgt Ion: 85 Resp: 266940

Ion Ratio Lower Upper

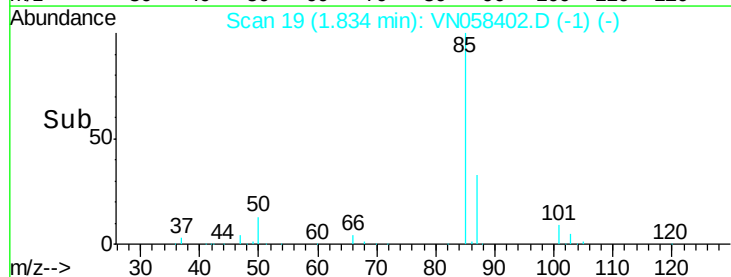
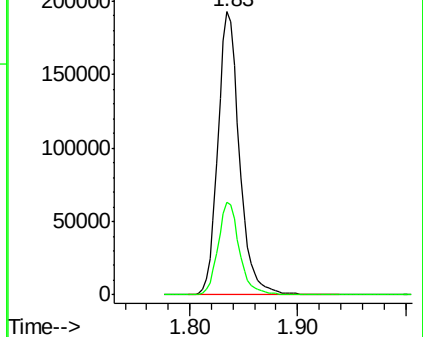
85 100

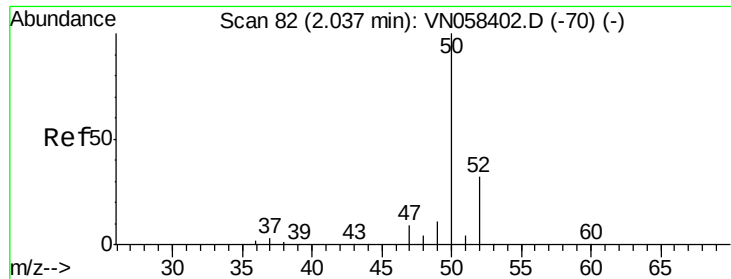
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 67.716 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 279599

Ion Ratio Lower Upper

50 100

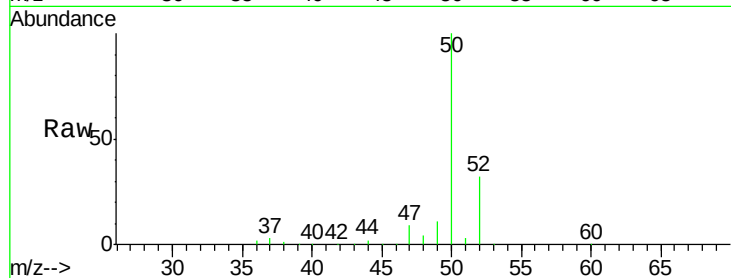
52 32.4 25.9 38.9

Manual Integrations

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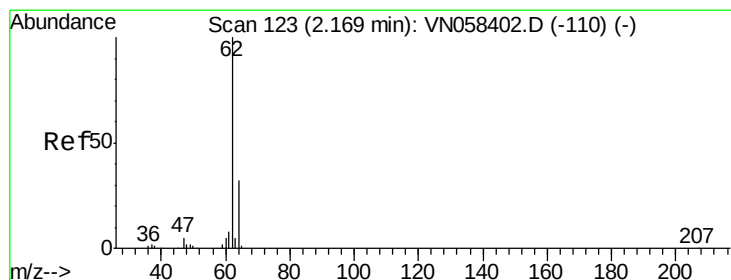
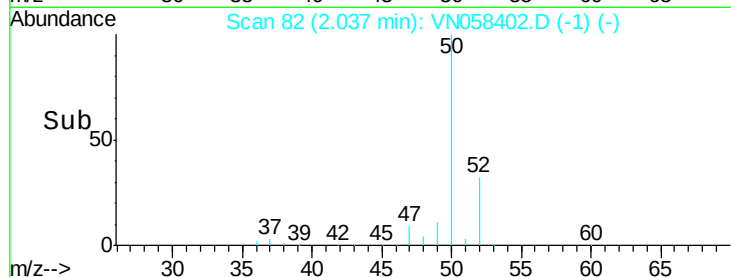
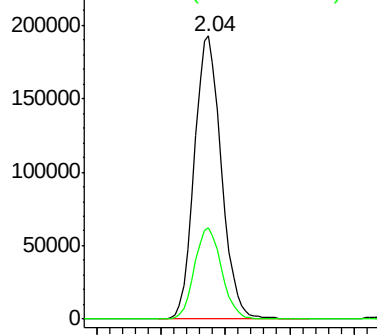
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 66.469 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058402.D

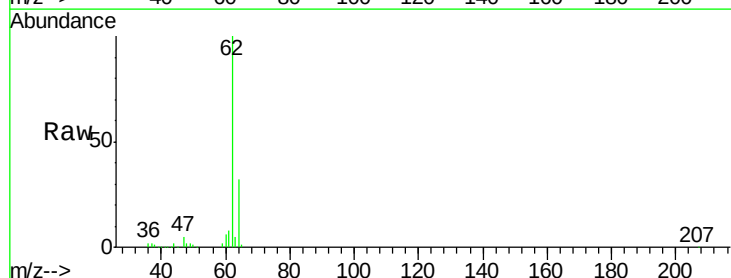
Acq: 27 Sep 2019 12:17

Tgt Ion: 62 Resp: 280616

Ion Ratio Lower Upper

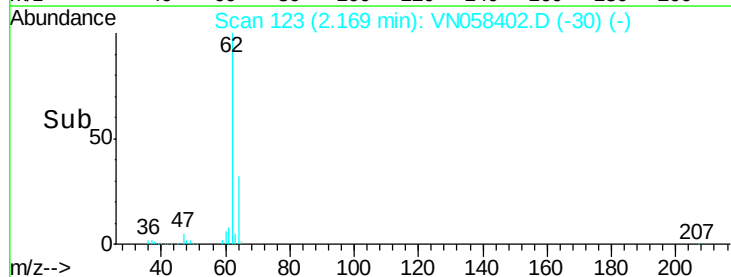
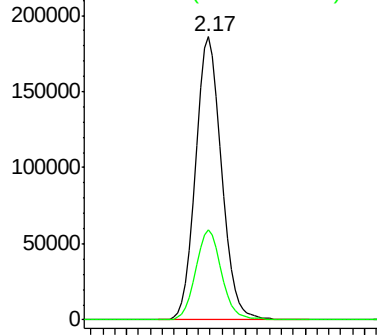
62 100

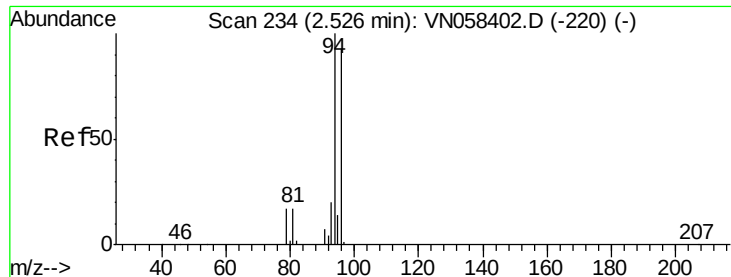
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 69.615 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 150056

Ion Ratio Lower Upper

94 100

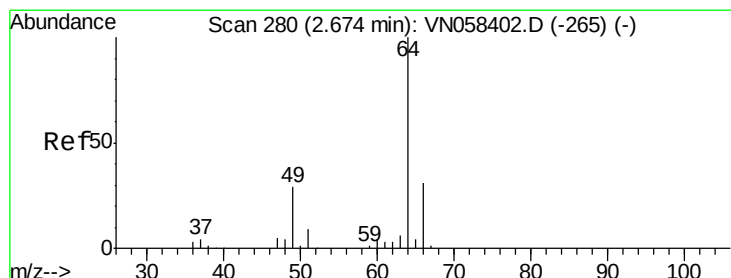
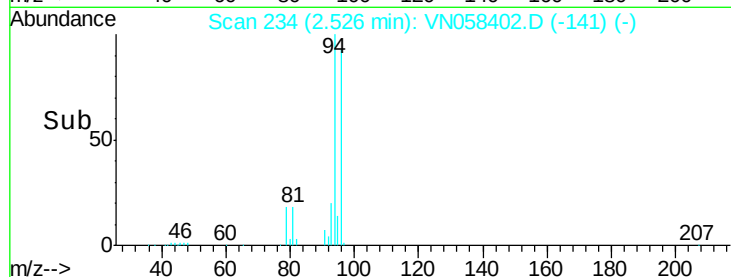
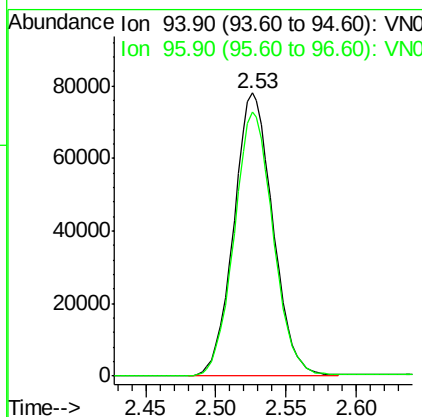
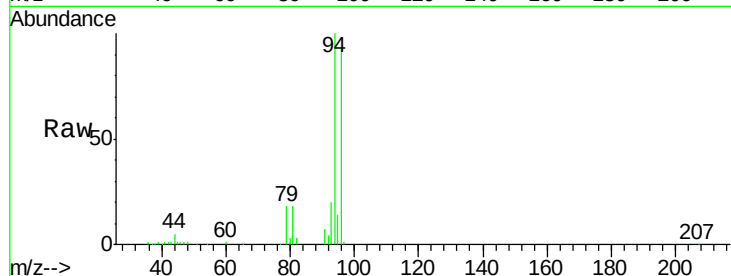
96 93.5 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 61.746 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN058402.D

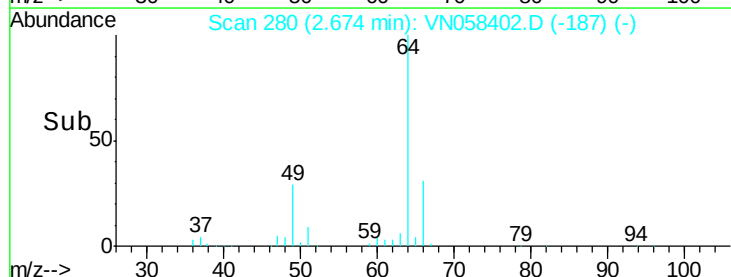
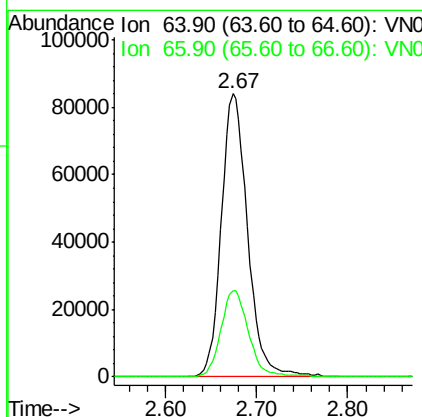
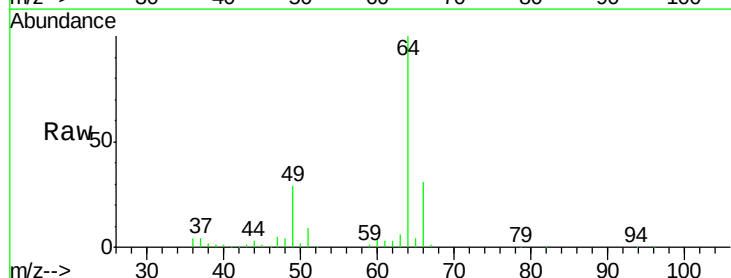
Acq: 27 Sep 2019 12:17

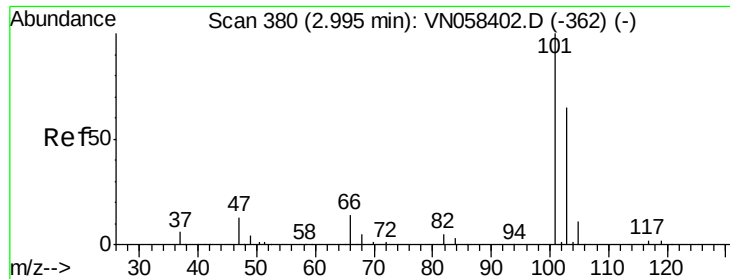
Tgt Ion: 64 Resp: 168890

Ion Ratio Lower Upper

64 100

66 30.5 24.4 36.6





#7

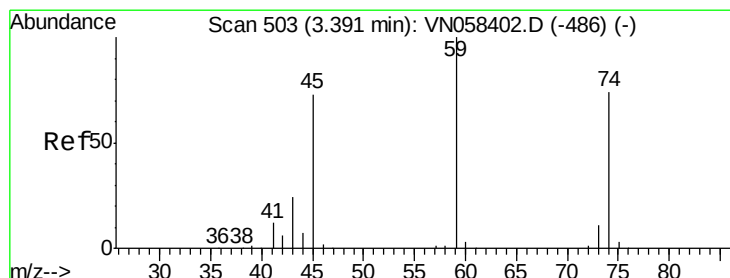
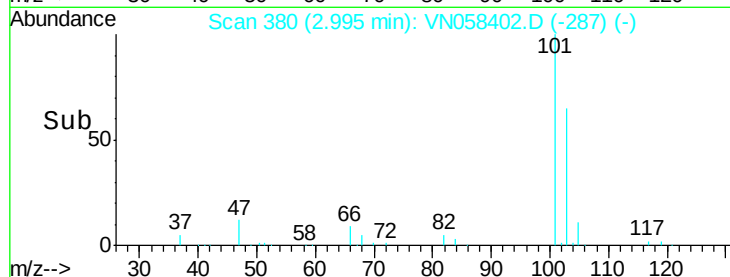
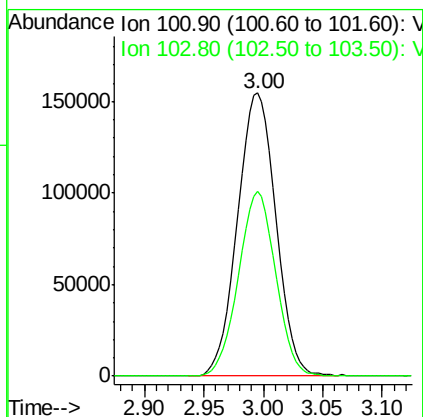
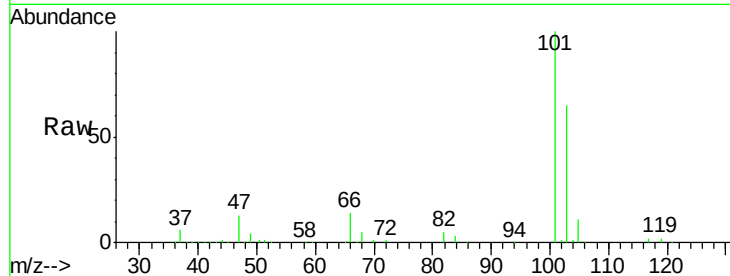
Trichlorofluoromethane
Concen: 60.105 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
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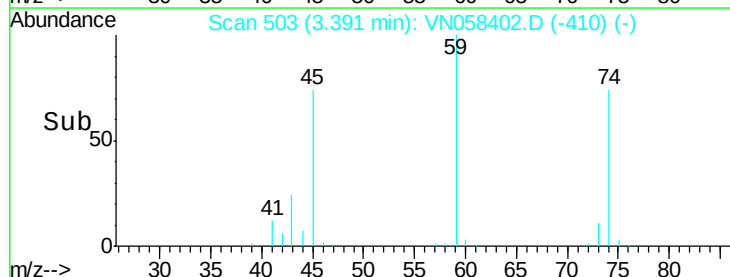
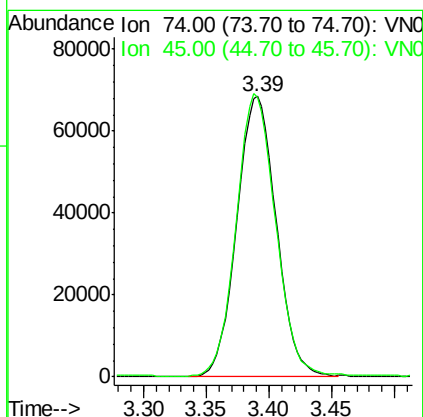
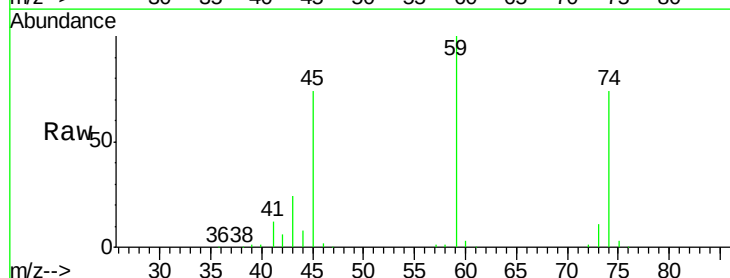
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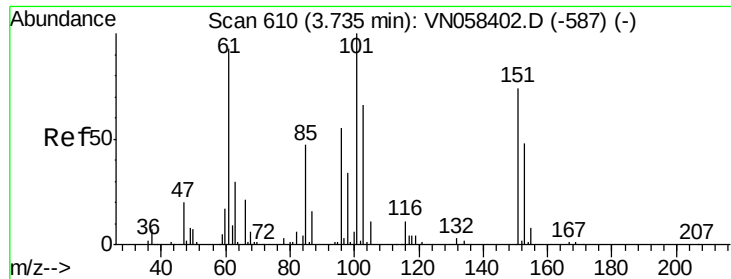


#8

Diethyl Ether
Concen: 57.959 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.565 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

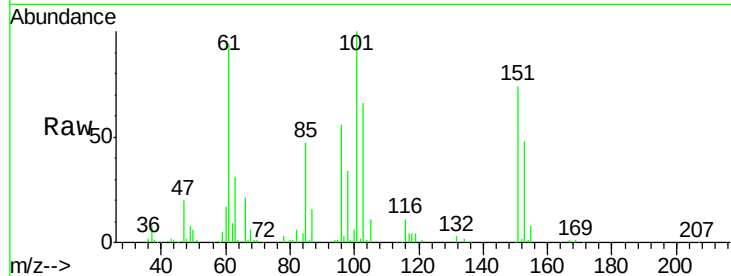
ClientSampled :

VSTDICCC050

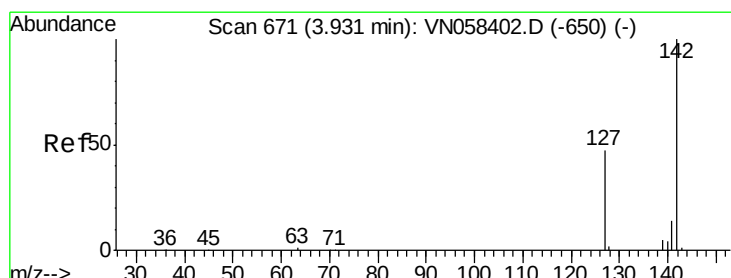
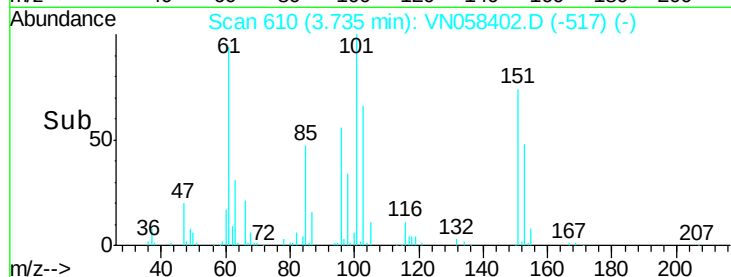
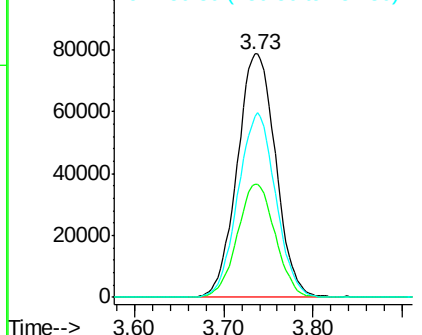
Tot Ion:	101	Resp:	235469
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.7	55.1
151	74.2	59.4	89.0

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



#10

Methyl Iodide

Concen: 73.084 ug/l

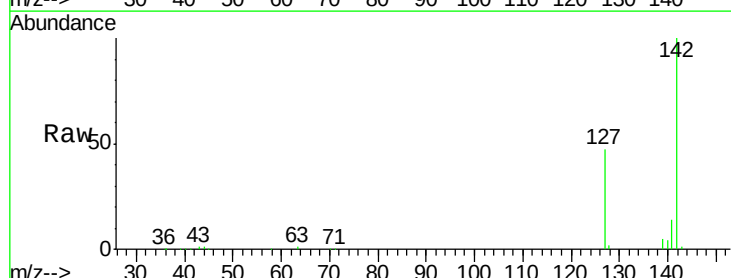
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

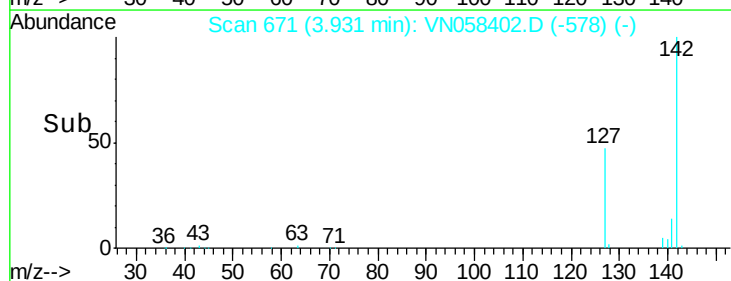
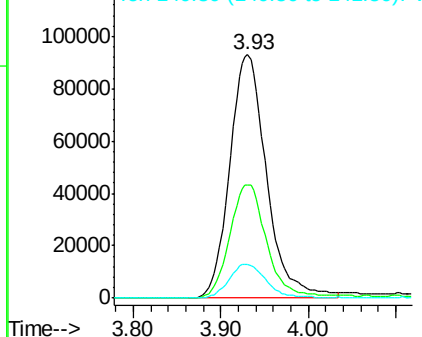
Lab File: VN058402.D

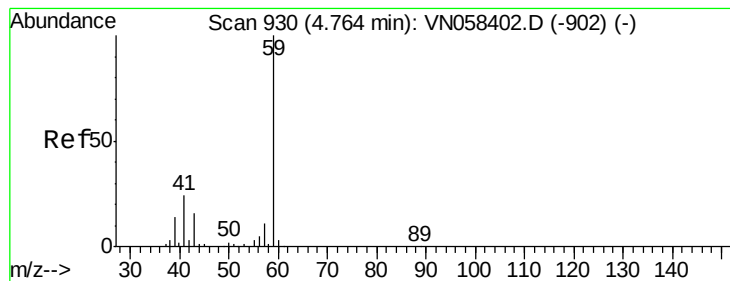
Acq: 27 Sep 2019 12:17

Tgt Ion:	142	Resp:	272284
Ion Ratio	Lower	Upper	
142	100		
127	46.5	37.2	55.8
141	14.1	11.3	16.9



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





#11

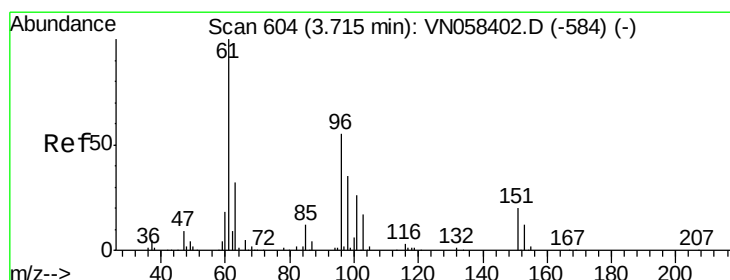
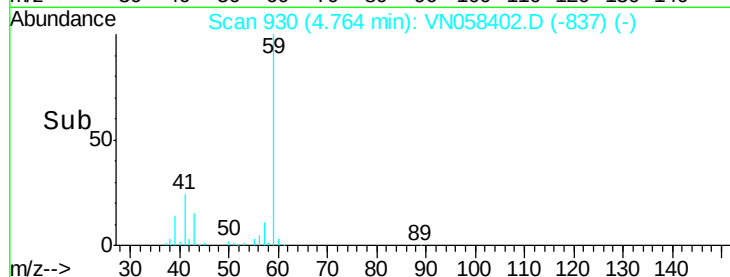
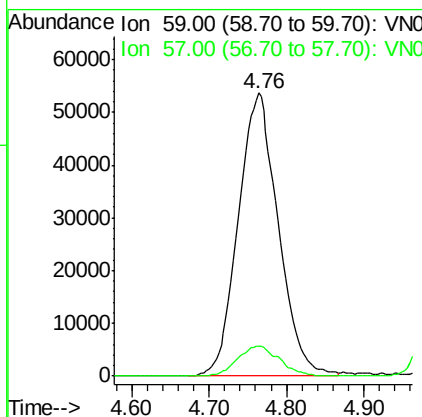
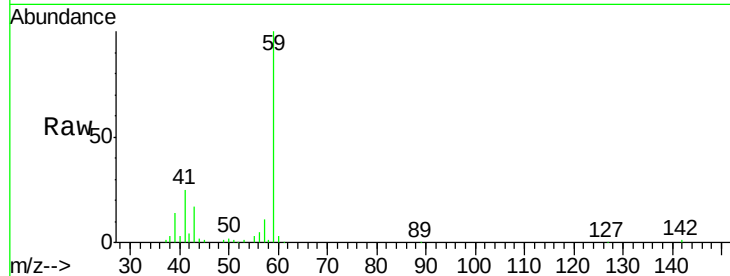
Tert butyl alcohol
 Concen: 242.691 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	193187
Ion Ratio	100	Lower	Upper
57	11.2	9.0	13.4

Manual Integrations
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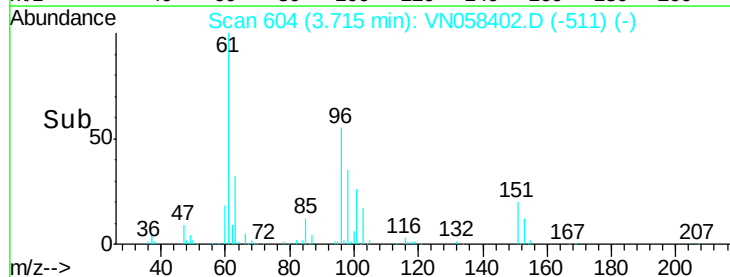
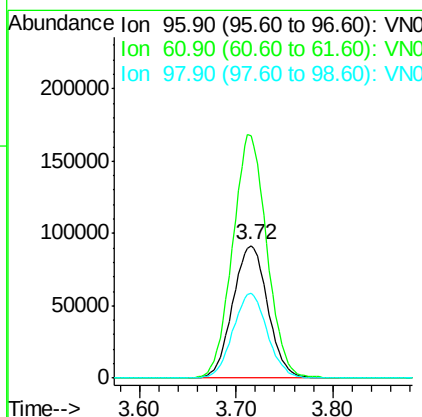
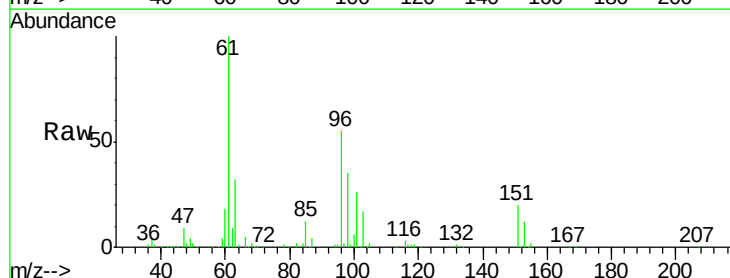
MMDadoda
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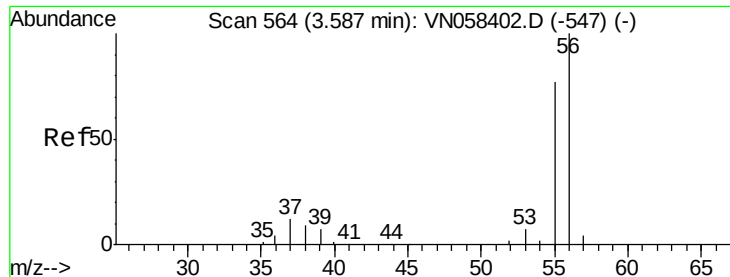


#12

1,1-Dichloroethene
 Concen: 64.377 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	96	Resp	231192
Ion Ratio	100	Lower	Upper
61	183.4	146.7	220.1
98	64.1	51.3	76.9





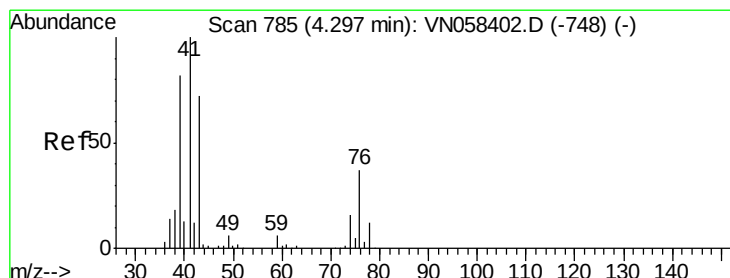
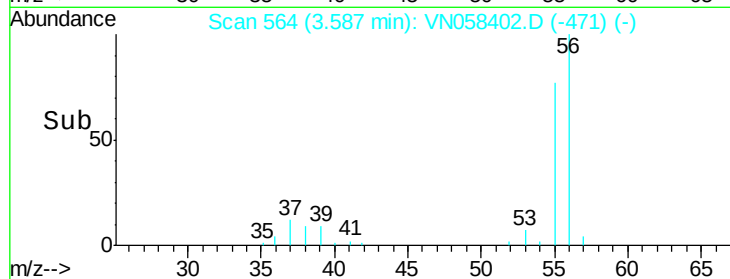
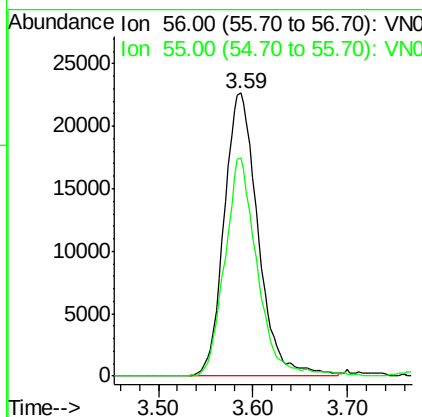
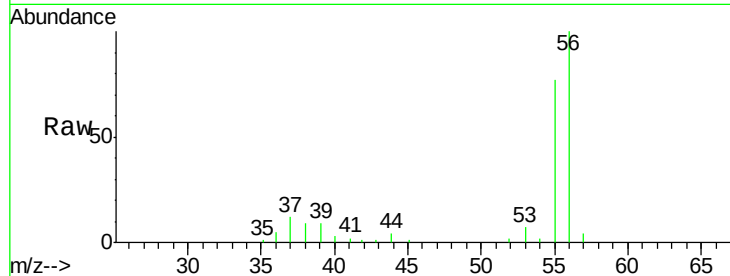
#13
 Acrolein
 Concen: 404.006 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.9	58.3	87.5

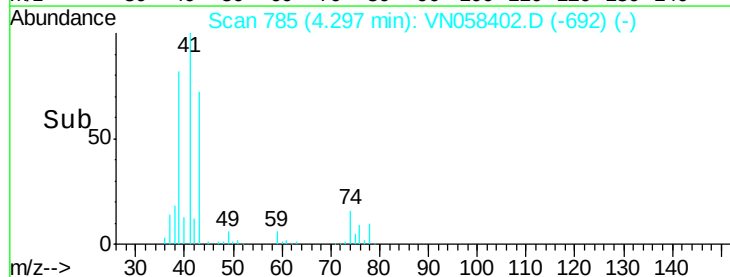
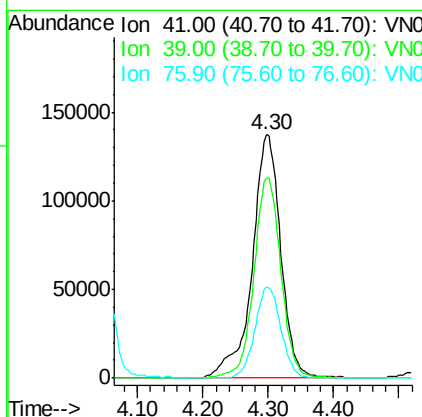
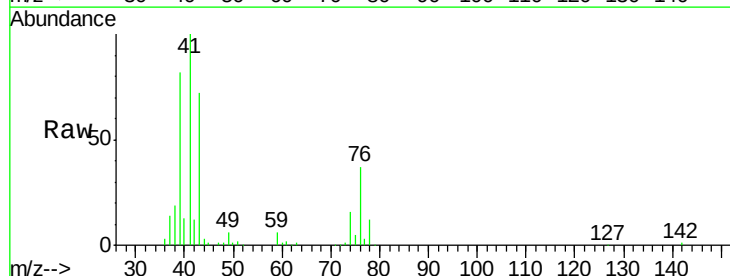
Manual Integrations
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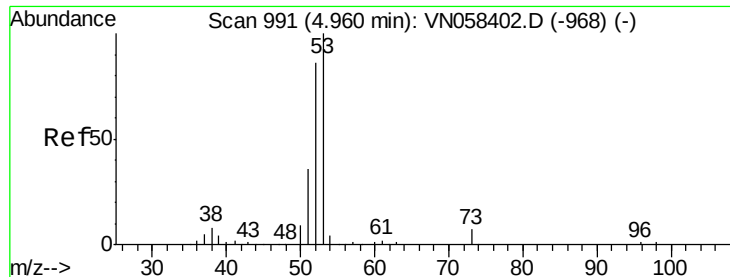
MMDadoda
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#14
 Allyl chloride
 Concen: 61.809 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	77.9	62.3	93.5
76	76	33.6	26.9	40.3





#15

Acrylonitrile

Concen: 266.891 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

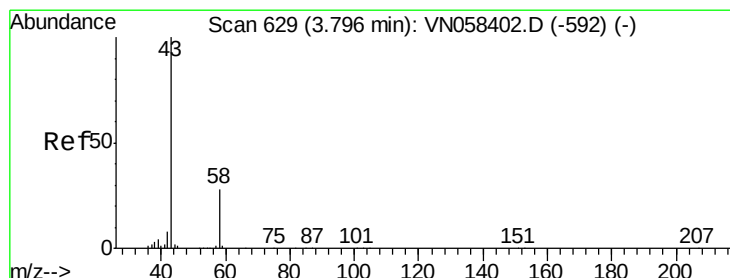
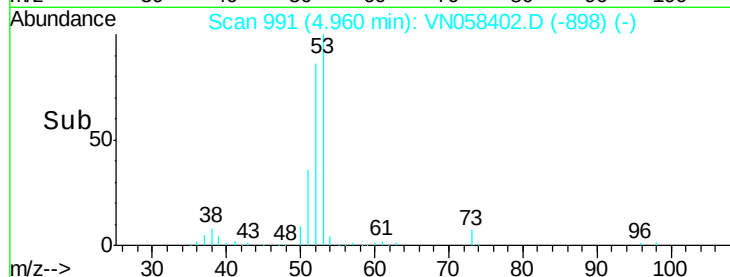
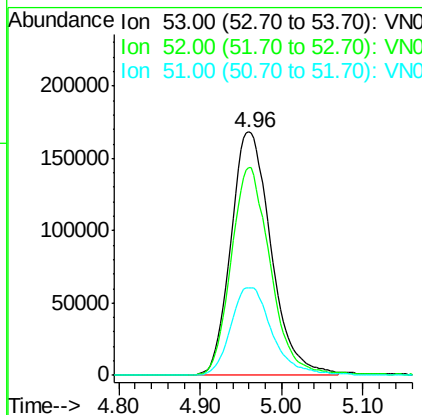
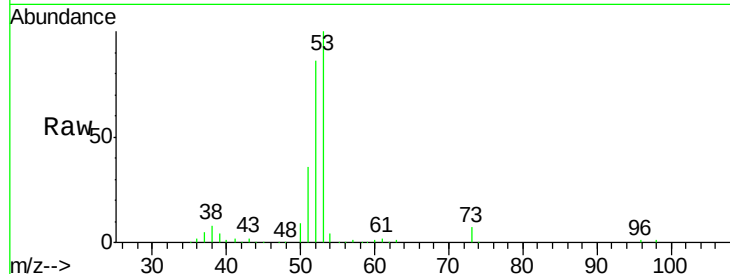
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	577001
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.3	29.8	44.8

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#16

Acetone

Concen: 258.802 ug/l

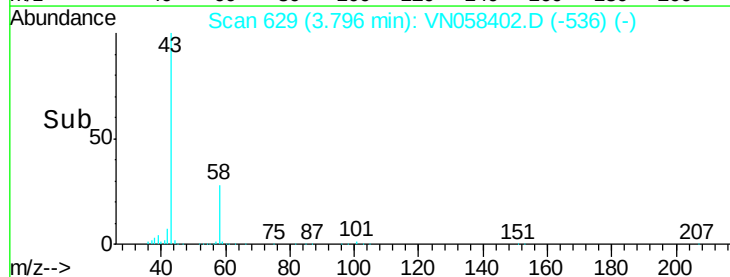
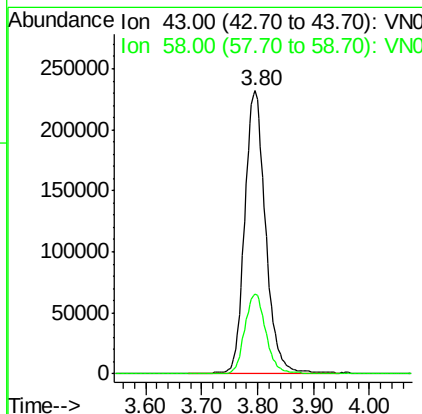
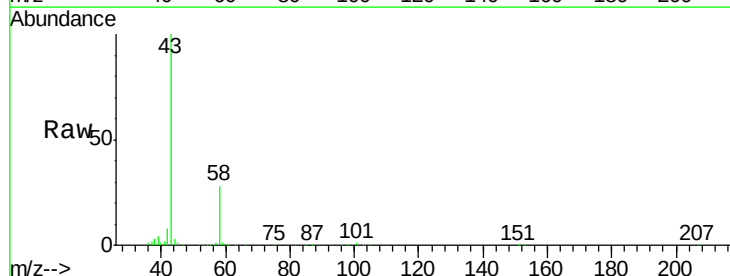
RT: 3.80 min Scan# 629

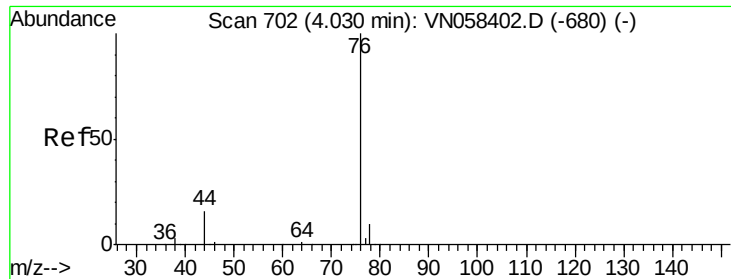
Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion:	43	Resp:	603583
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6





#17

Carbon Disulfide

Concen: 95.000 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 616020

Ion Ratio Lower Upper

76 100

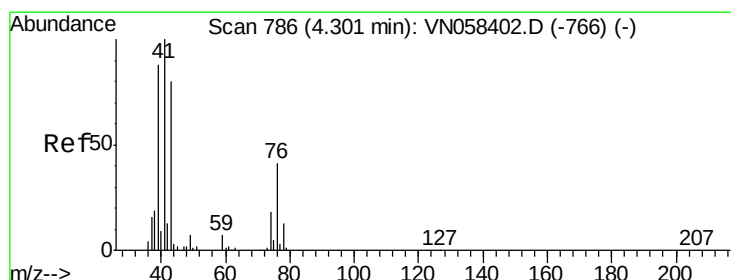
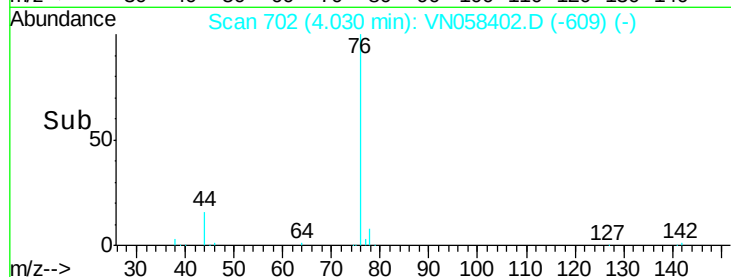
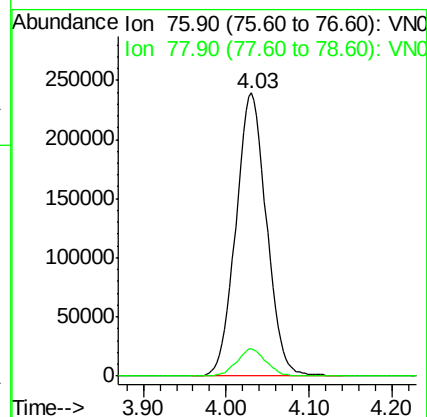
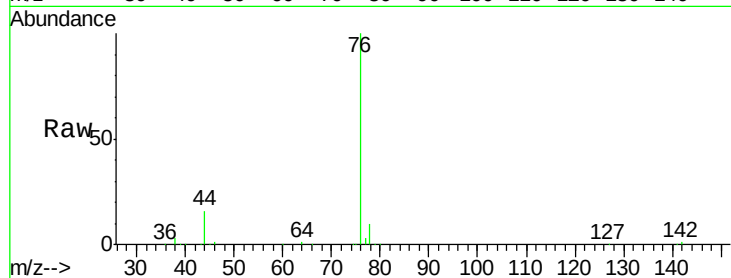
78 9.6 7.7 11.5

Manual Integrations

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#18

Methyl Acetate

Concen: 47.578 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058402.D

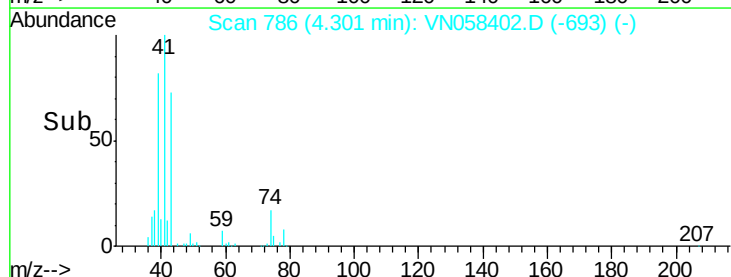
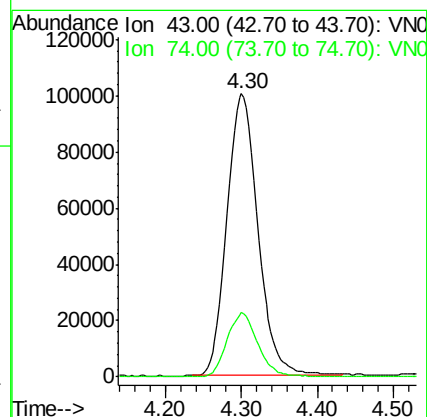
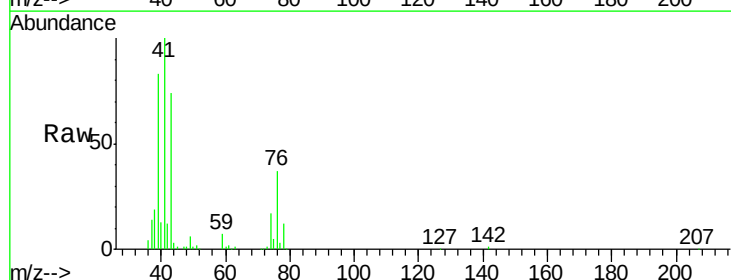
Acq: 27 Sep 2019 12:17

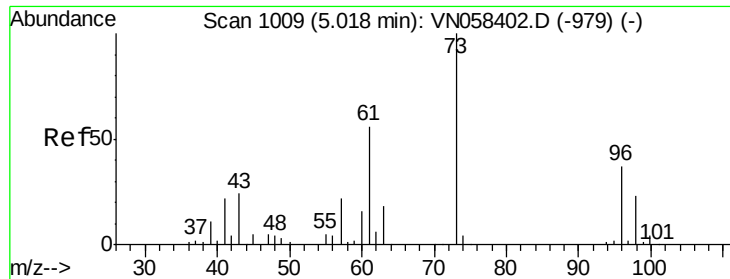
Tgt Ion: 43 Resp: 286848

Ion Ratio Lower Upper

43 100

74 22.5 18.0 27.0





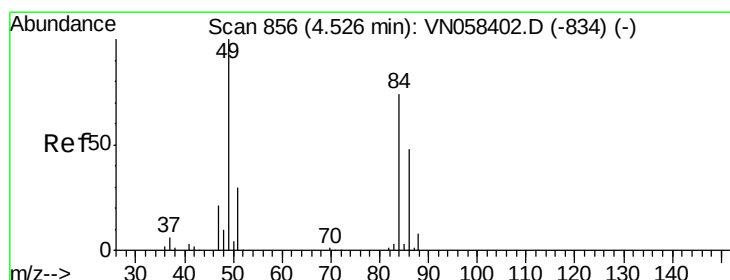
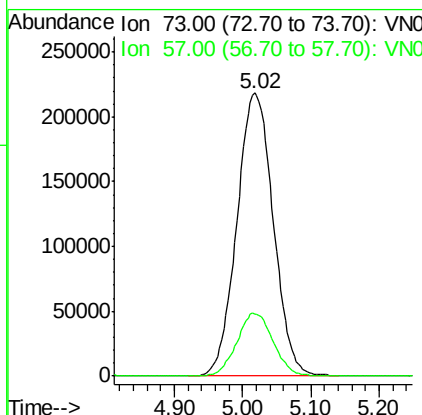
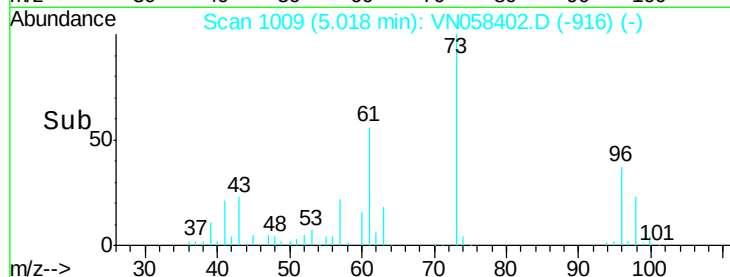
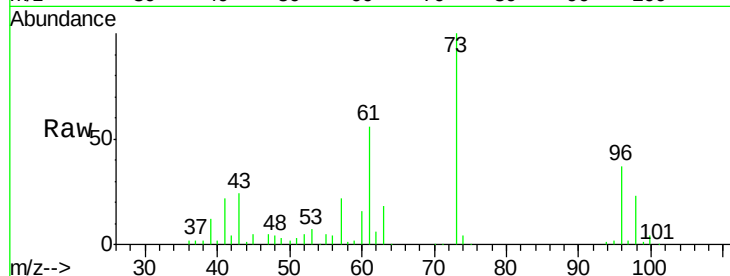
#19
Methyl tert-butyl Ether
Concen: 53.875 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 809917
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

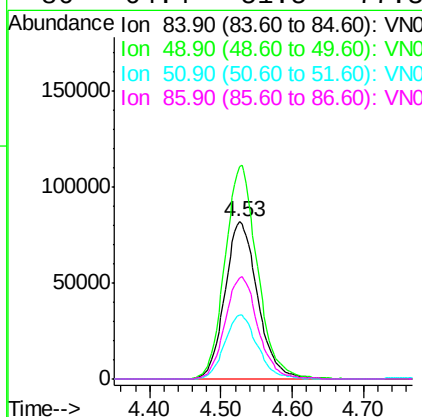
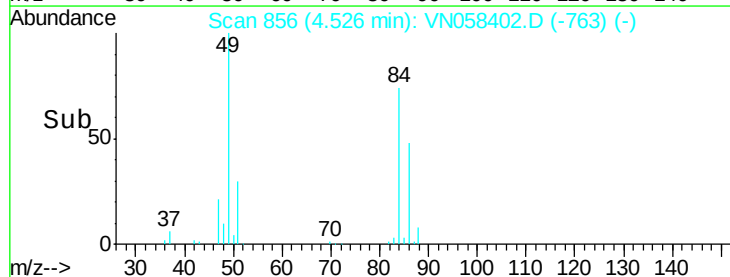
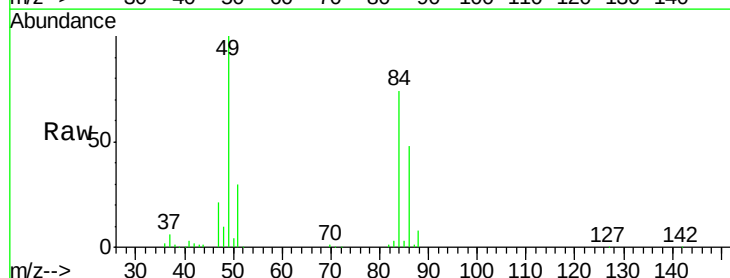
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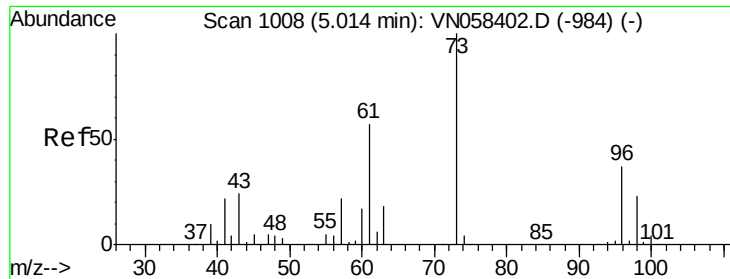
MMDadoda
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#20
Methylene Chloride
Concen: 56.204 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion: 84 Resp: 262507
Ion Ratio Lower Upper
84 100
49 134.9 107.9 161.9
51 41.0 32.8 49.2
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 65.134 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 253705

Ion Ratio Lower Upper

96 100

61 152.4 121.9 182.9

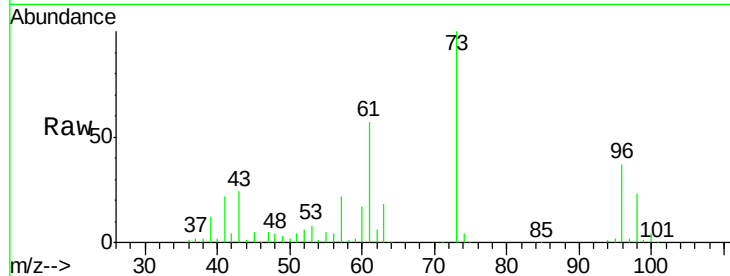
98 61.6 49.3 73.9

Manual Integrations

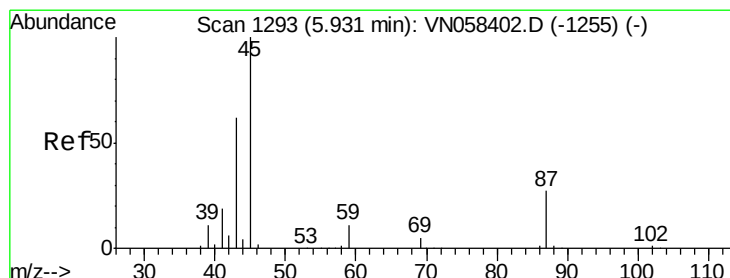
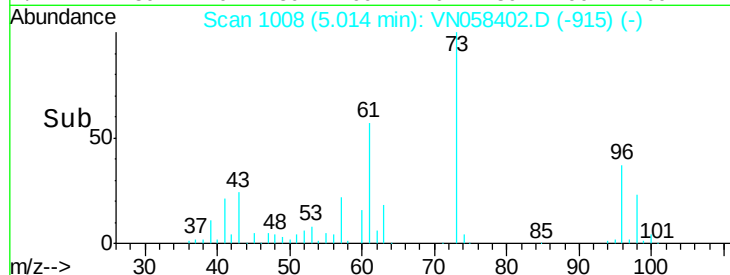
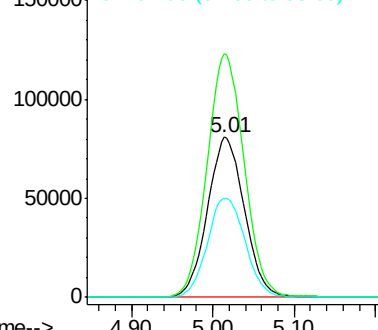
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 53.683 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion: 45 Resp: 887972

Ion Ratio Lower Upper

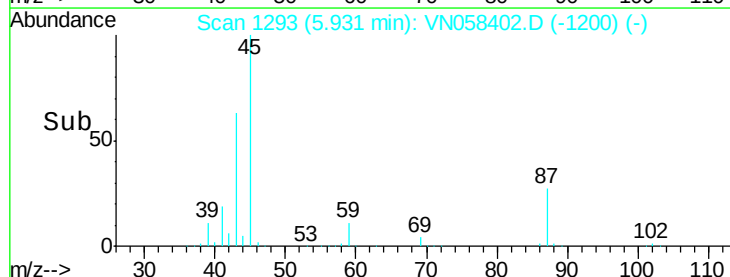
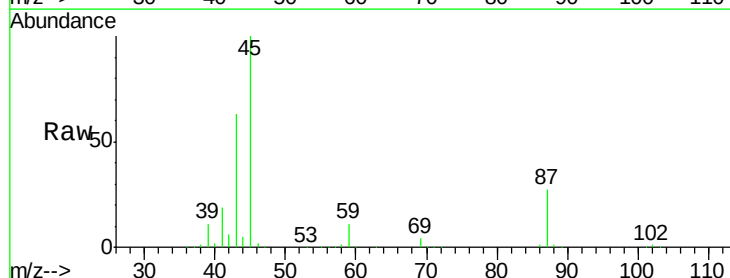
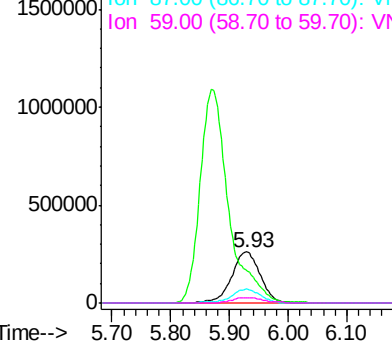
45 100

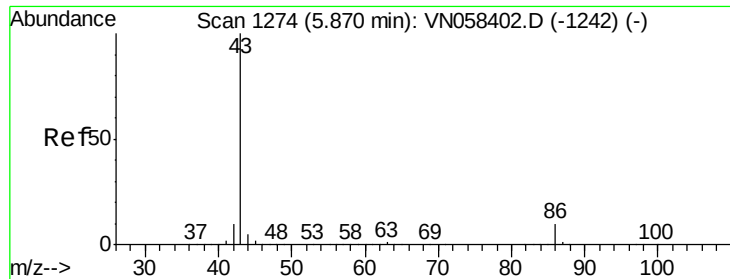
43 62.1 49.7 74.5

87 26.9 21.5 32.3

59 11.1 8.9 13.3

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 316.600 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3682134

Ion Ratio Lower Upper

43 100

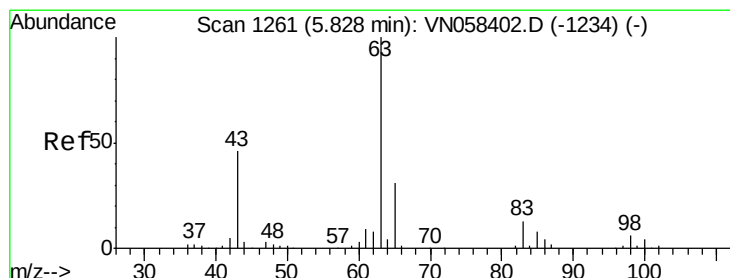
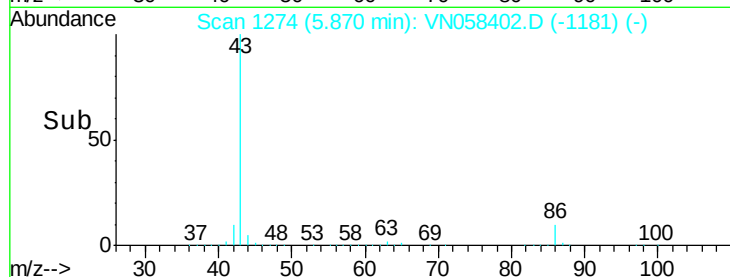
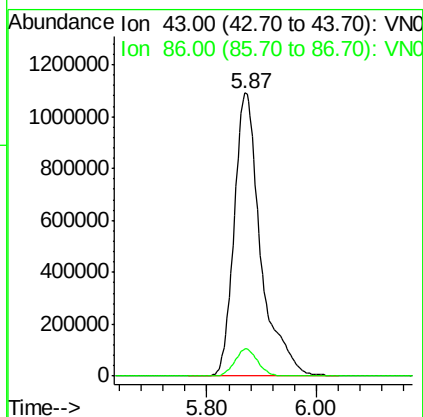
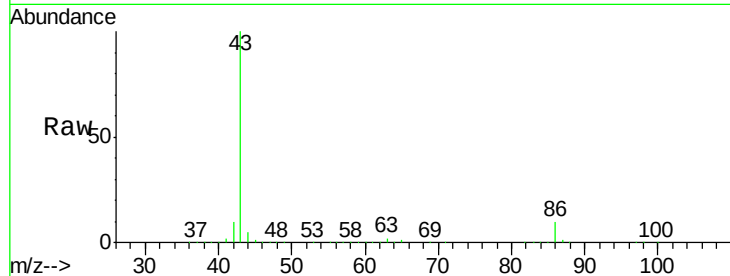
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 56.103 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

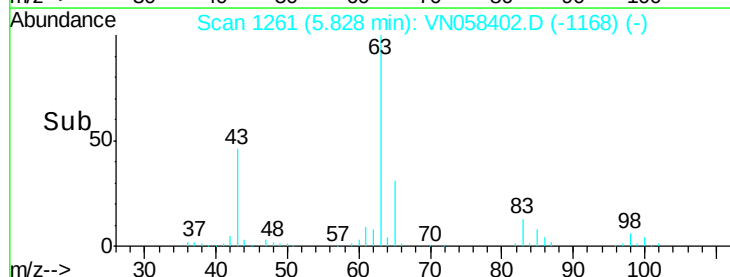
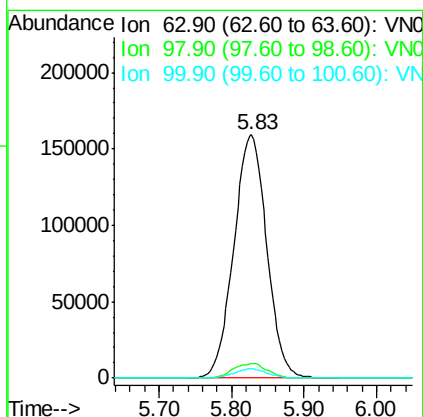
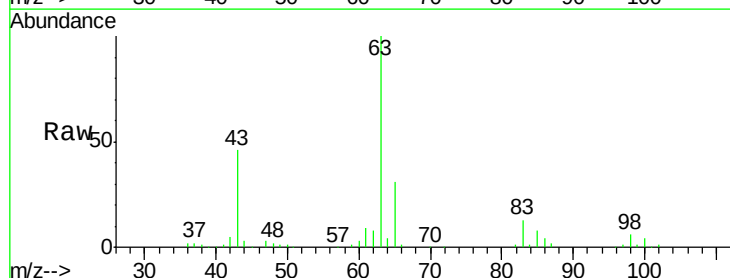
Tgt Ion: 63 Resp: 503515

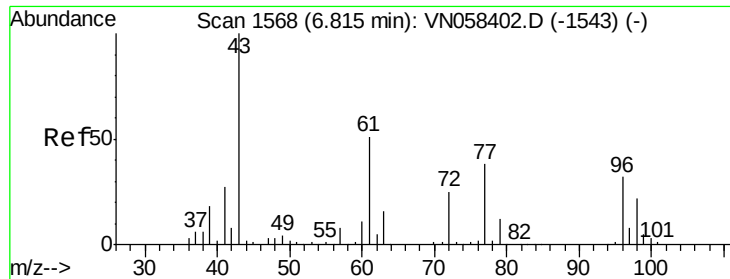
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 3.9 2.0 5.8





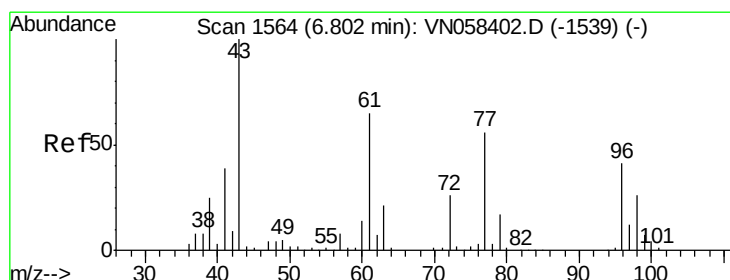
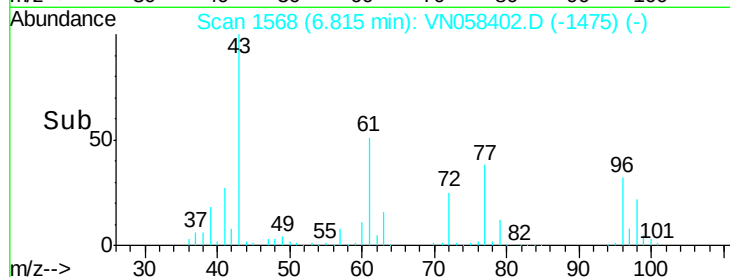
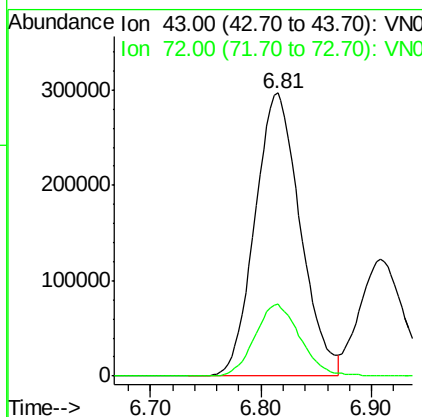
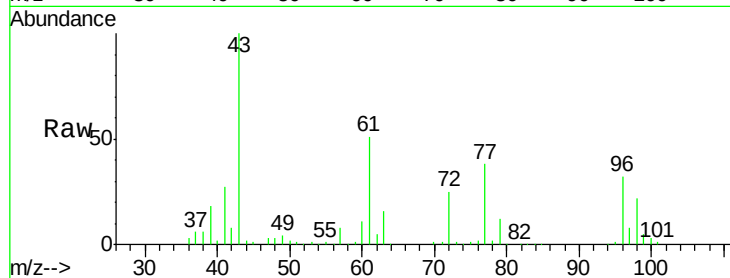
#25
2-Butanone
Concen: 267.028 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 841549
Ion Ratio Lower Upper
43 100
72 25.3 20.2 30.4

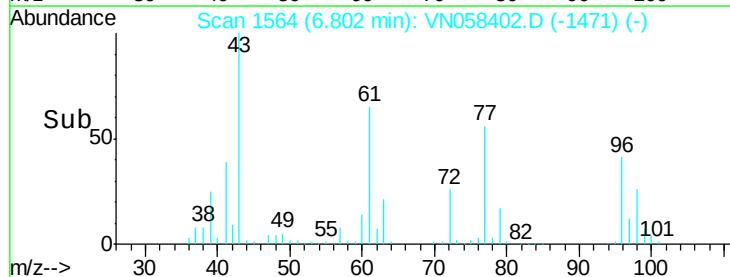
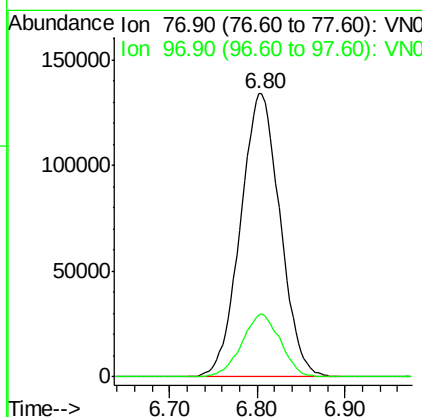
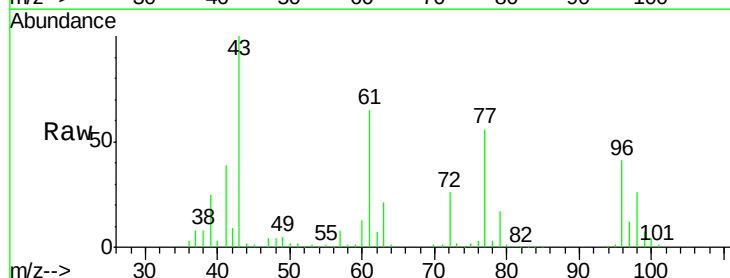
Manual Integrations
APPROVED

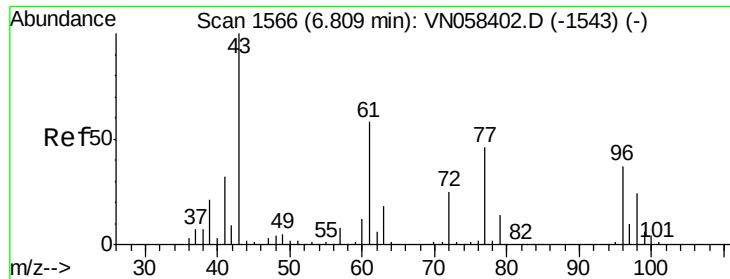
MMDadoda
9/30/2019 10:18:36 AM



#26
2,2-Dichloropropane
Concen: 55.350 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion: 77 Resp: 420173
Ion Ratio Lower Upper
77 100
97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 58.364 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

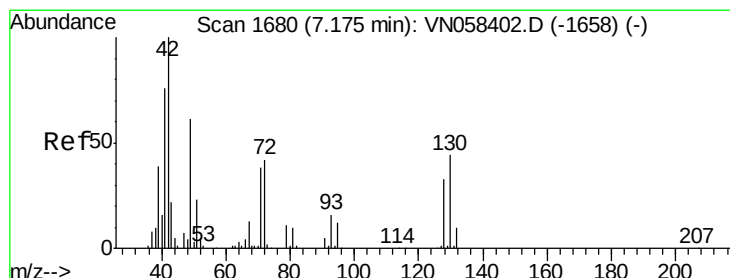
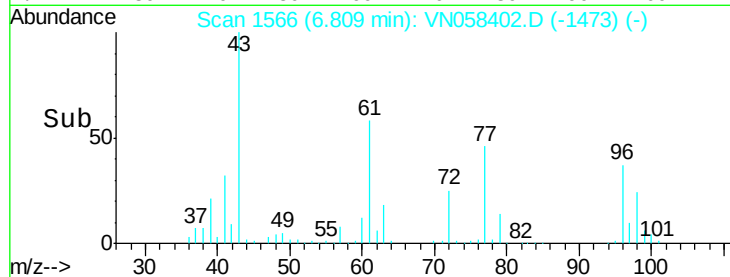
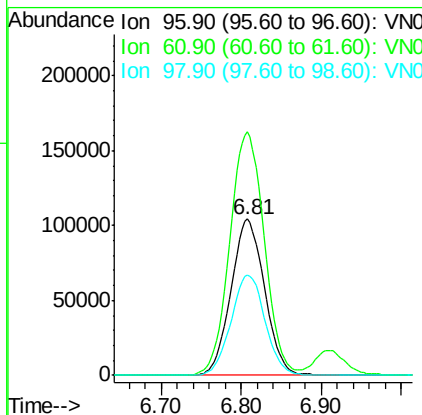
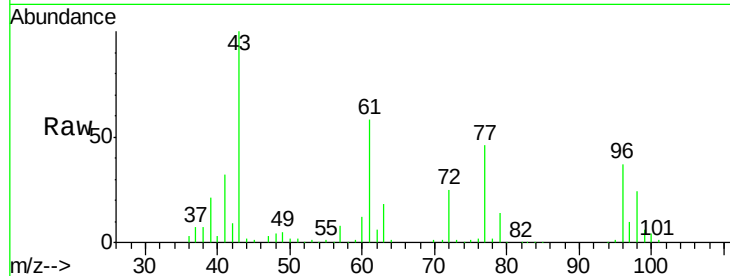
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	297990
Ion Ratio	Lower	Upper	
96	100		
61	159.4	0.0	318.8
98	64.9	0.0	129.8

Manual Integrations
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9/30/2019 10:18:36 AM



#28

Bromochloromethane

Concen: 50.077 ug/l

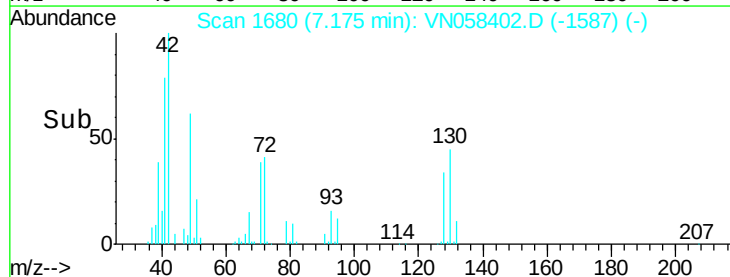
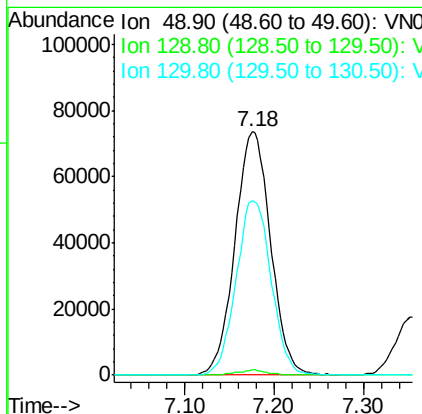
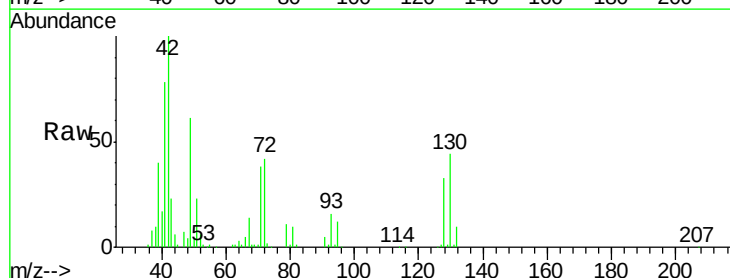
RT: 7.18 min Scan# 1680

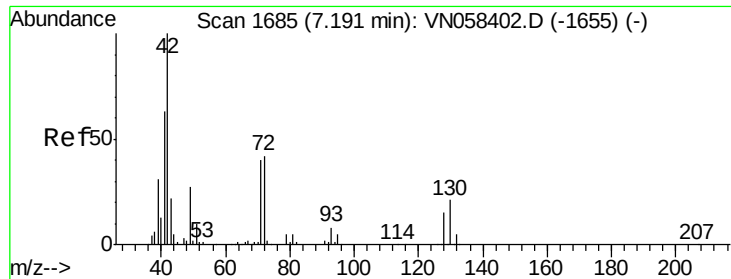
Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion:	49	Resp:	204029
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.4
130	70.4	56.3	84.5





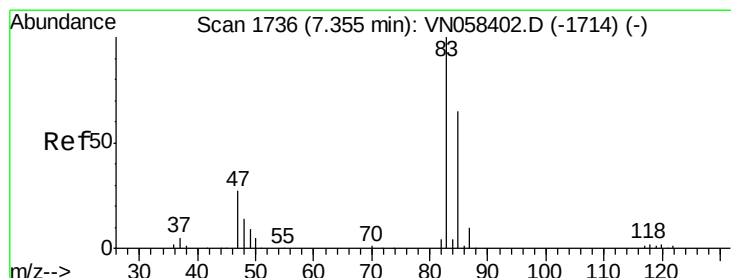
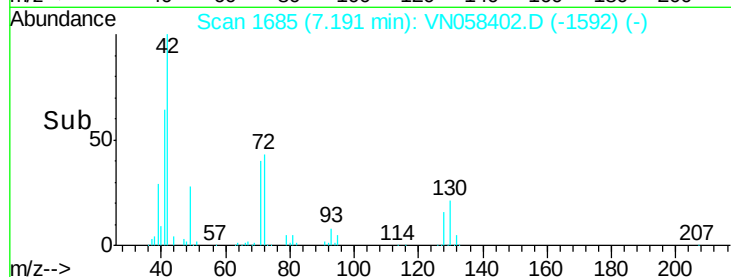
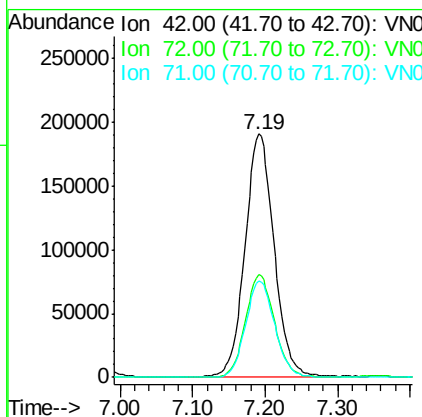
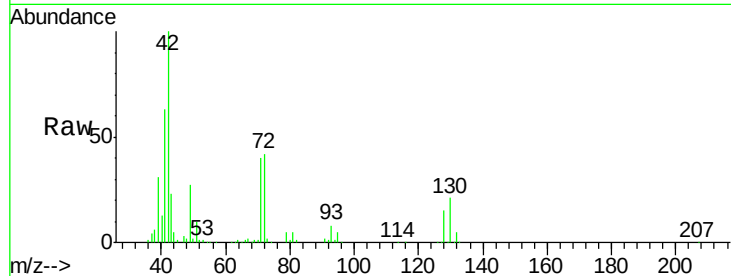
#29
Tetrahydrofuran
Concen: 271.301 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.7	31.8	47.6

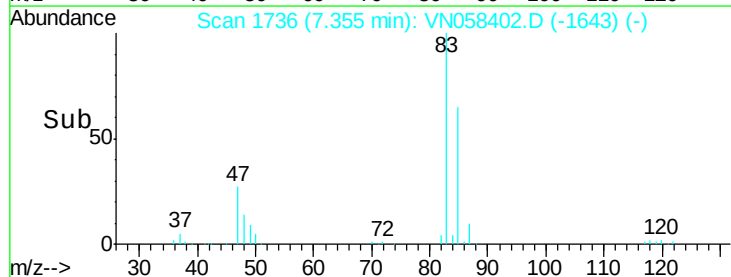
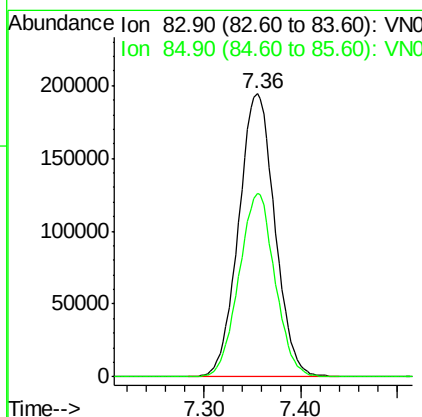
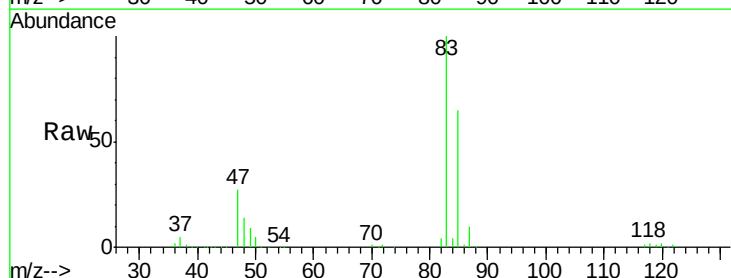
Manual Integrations
APPROVED

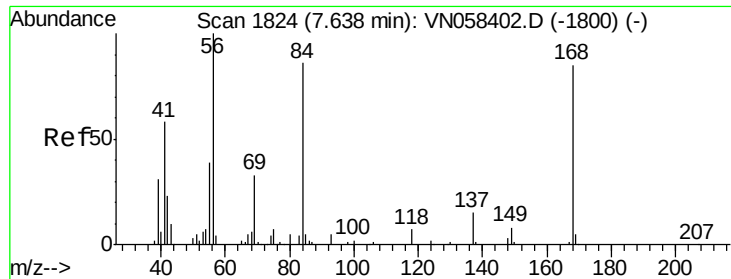
MMDadoda
9/30/2019 10:18:36 AM



#30
Chloroform
Concen: 52.961 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0





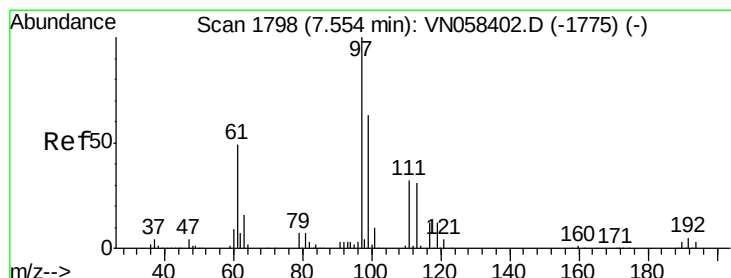
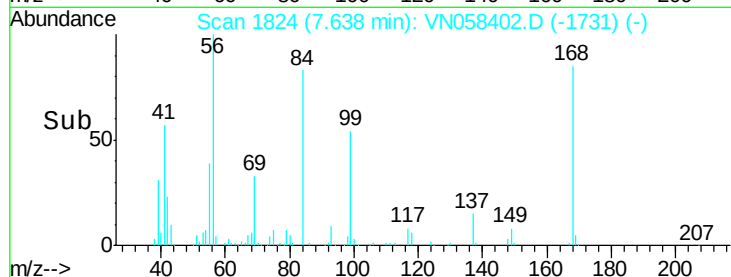
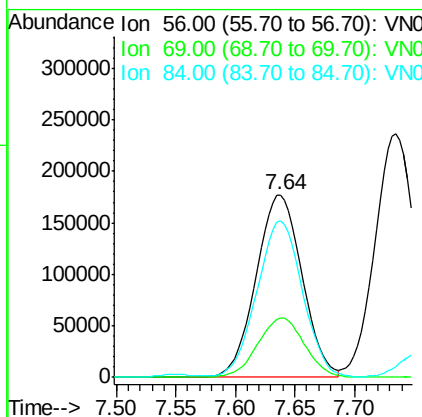
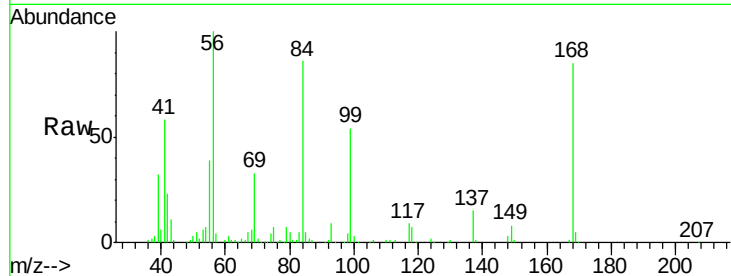
#31
Cyclohexane
Concen: 65.817 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	84.5	67.6	101.4

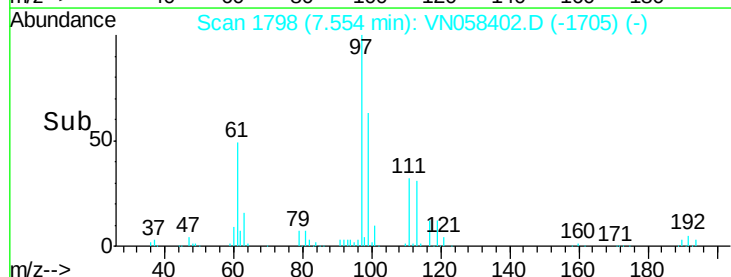
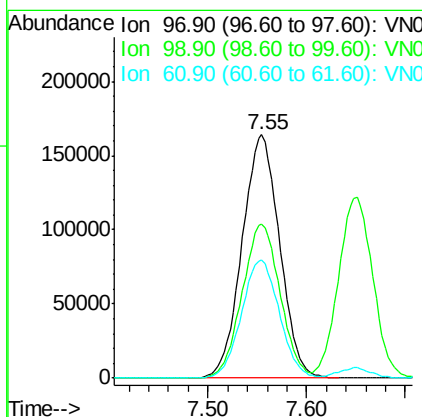
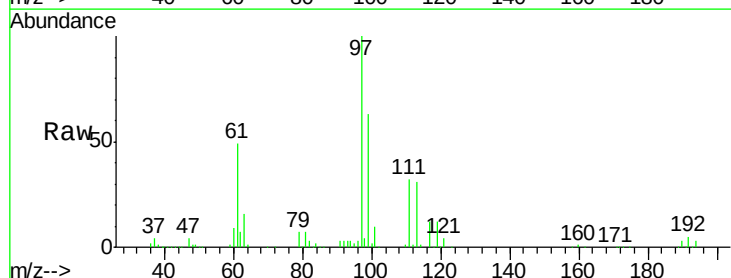
Manual Integrations
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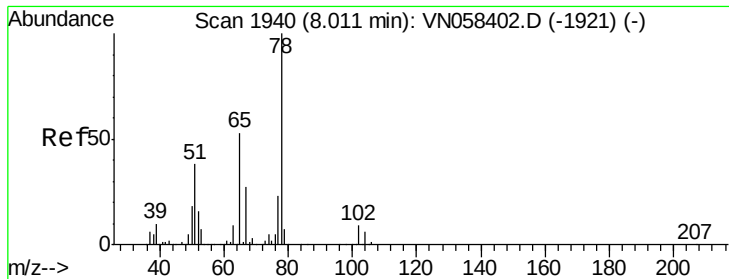
MMDadoda
9/30/2019 10:18:36 AM



#32
1,1,1-Trichloroethane
Concen: 58.631 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	49.0	39.2	58.8





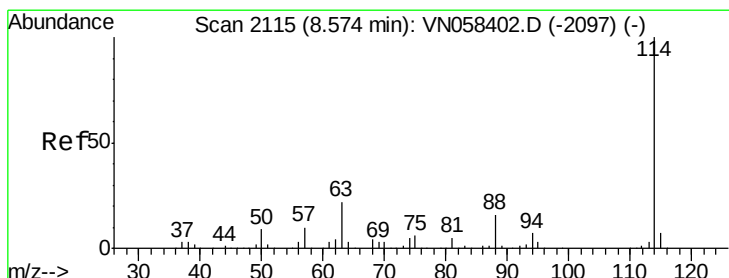
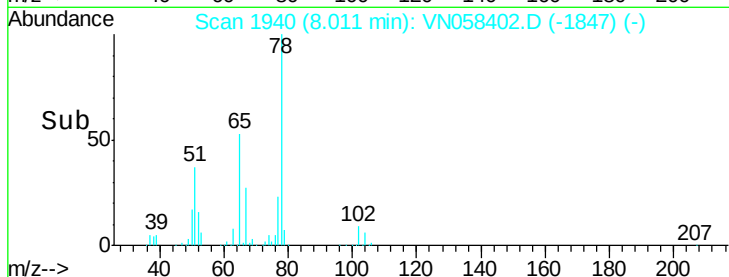
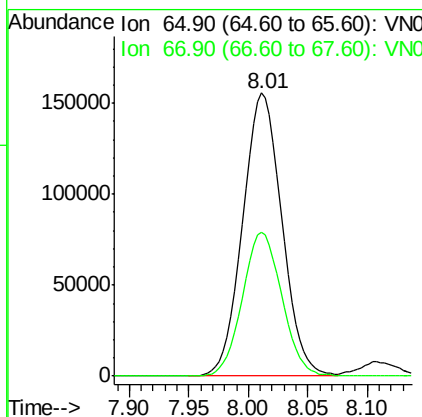
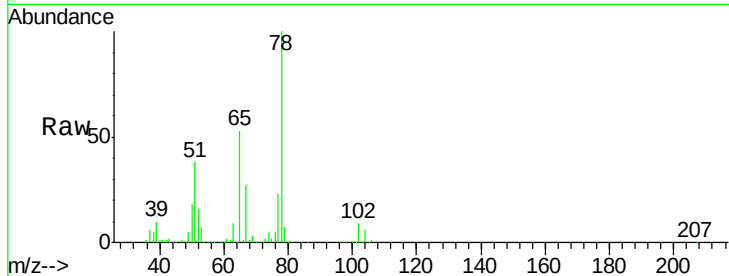
#33
 1,2-Dichloroethane-d4
 Concen: 52.487 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	355501		
67	51.2	0.0	102.4	

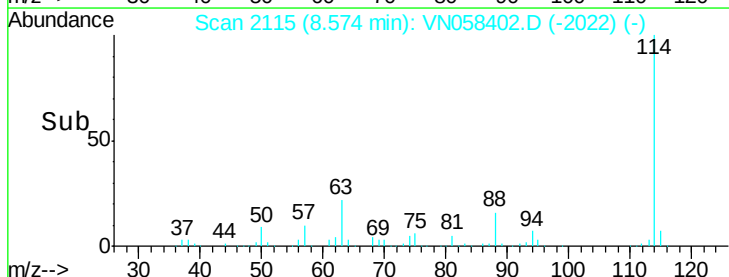
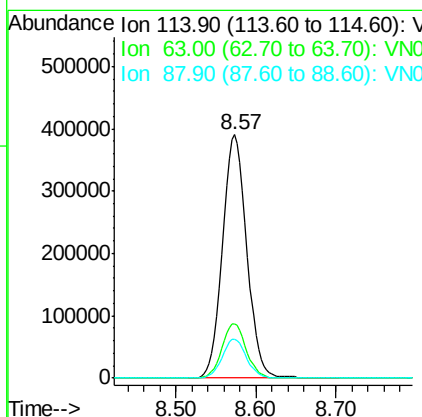
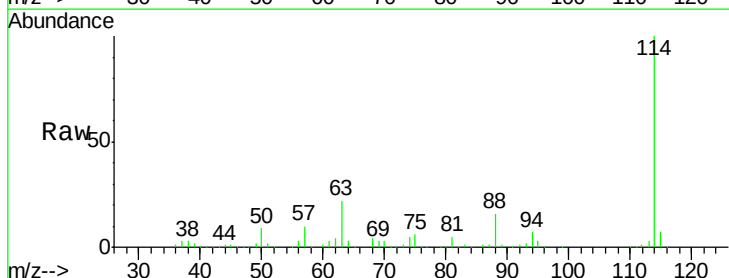
Manual Integrations
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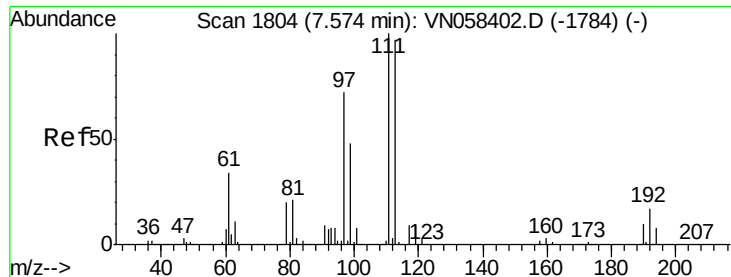
MMDadoda
 9/30/2019 10:18:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	814880		
63	22.5	0.0	45.0	
88	16.1	0.0	32.2	





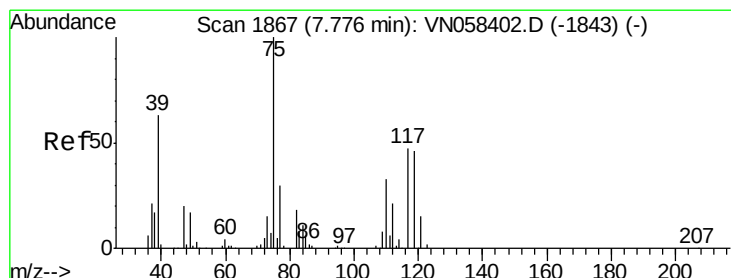
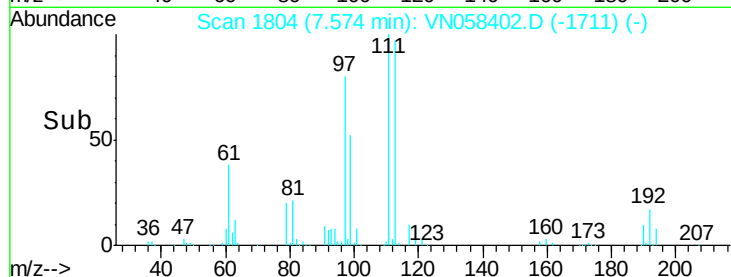
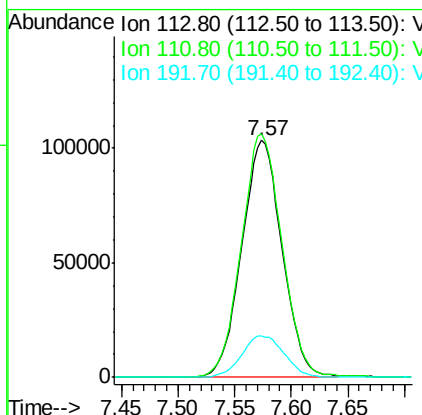
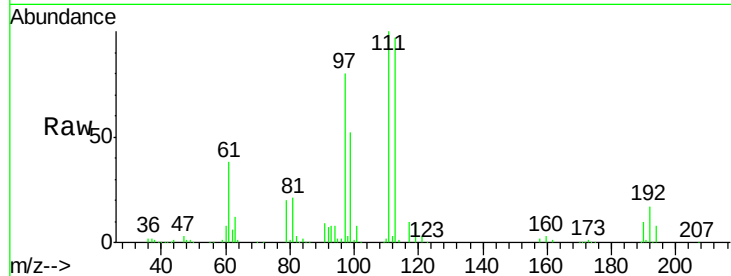
#35
 Dibromofluoromethane
 Concen: 51.577 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	255757		
111	104.3	83.4	125.2	
192	18.6	14.9	22.3	

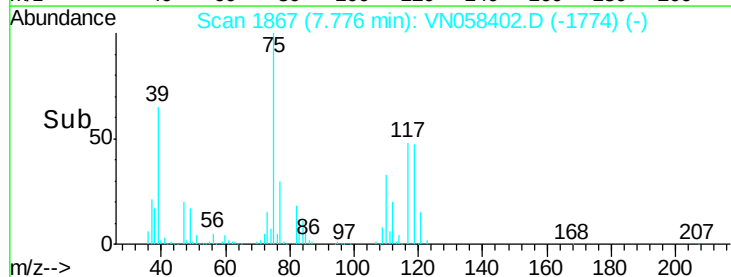
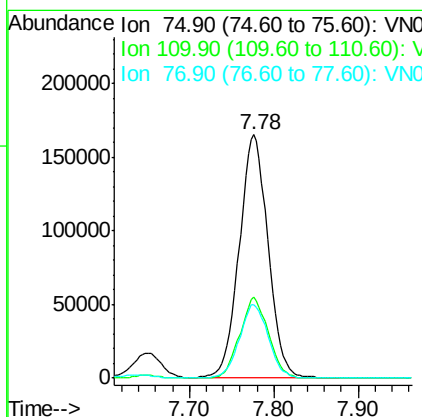
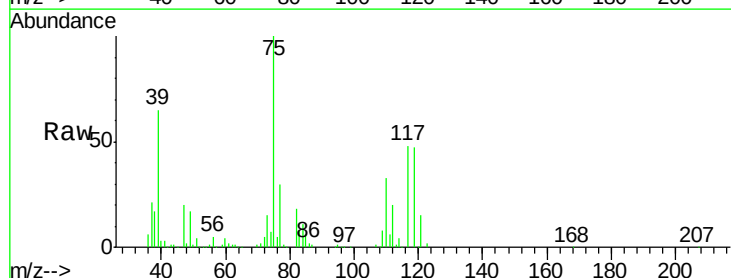
Manual Integrations
 APPROVED

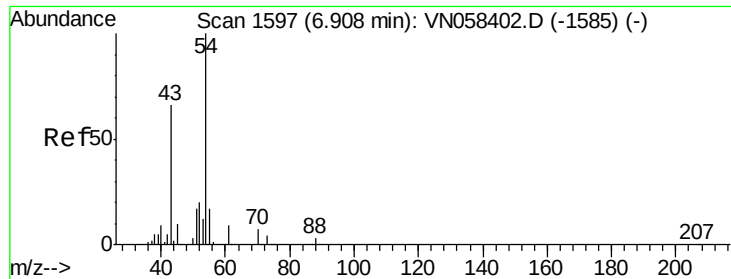
MMDadoda
 9/30/2019 10:18:36 AM



#36
 1,1-Dichloropropene
 Concen: 62.318 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	392419		
110	32.8	16.4	49.2	
77	30.4	24.3	36.5	





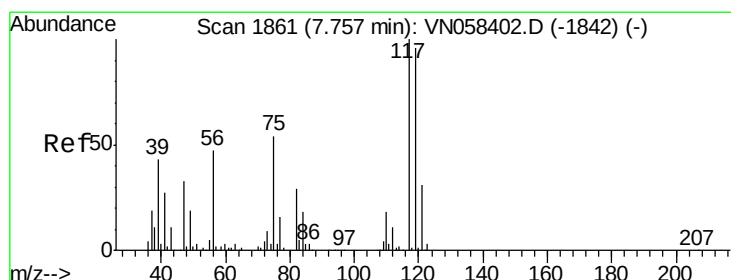
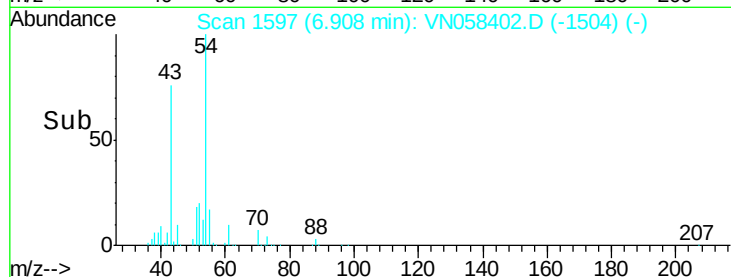
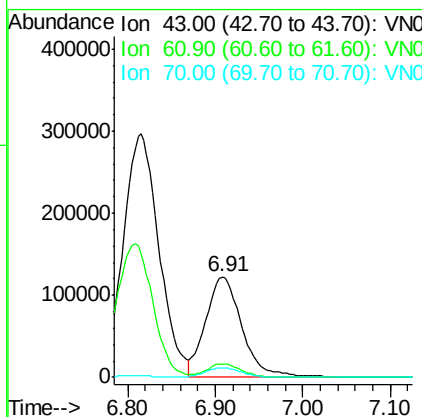
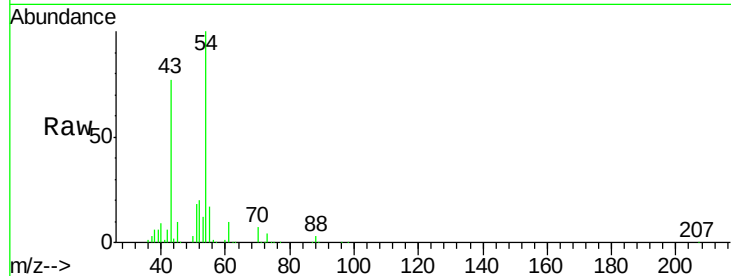
#37
Ethyl Acetate
Concen: 55.482 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.7	7.8	11.6

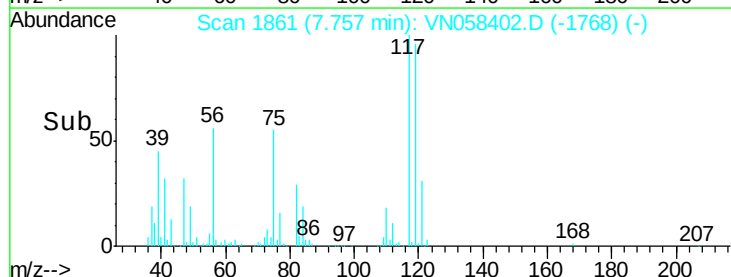
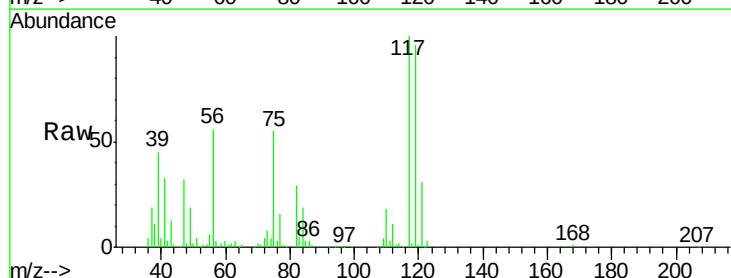
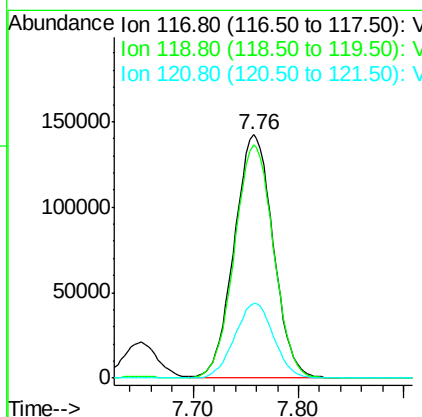
Manual Integrations
APPROVED

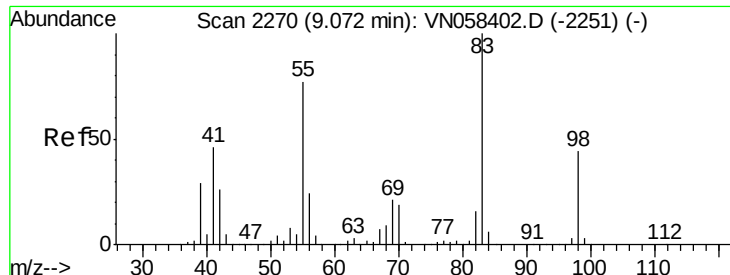
MMDadoda
9/30/2019 10:18:36 AM



#38
Carbon Tetrachloride
Concen: 58.882 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.9	24.7	37.1





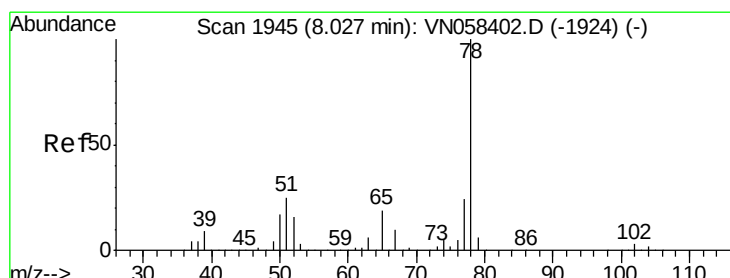
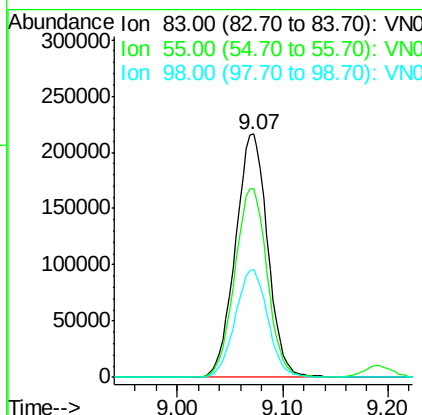
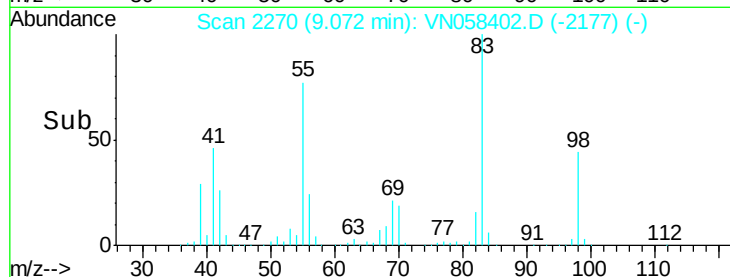
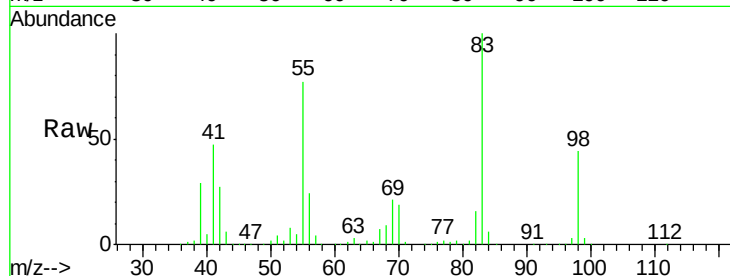
#39
Methylvlcyclohexane
Concen: 67.424 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.8	92.6
98	44.2	35.4	53.0

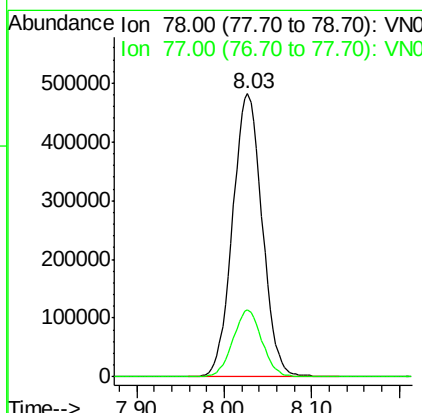
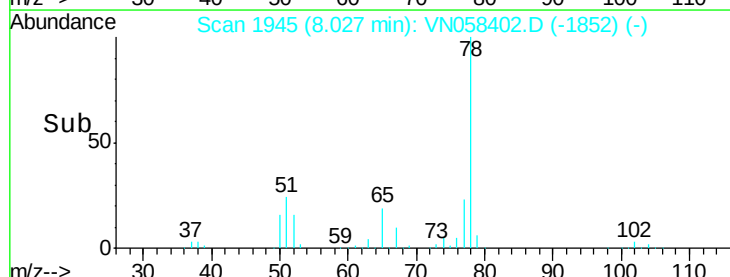
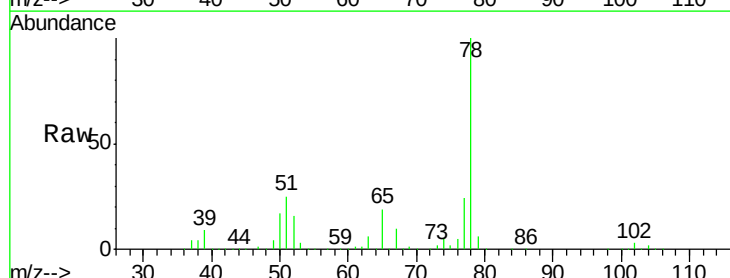
Manual Integrations
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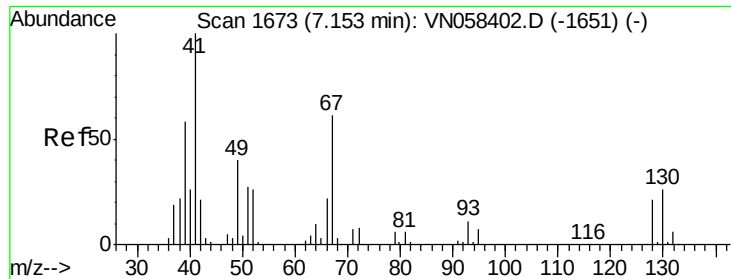
MMDadoda
9/30/2019 10:18:36 AM



#40
Benzene
Concen: 59.853 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





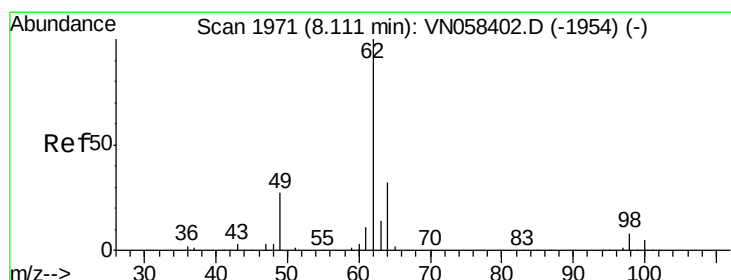
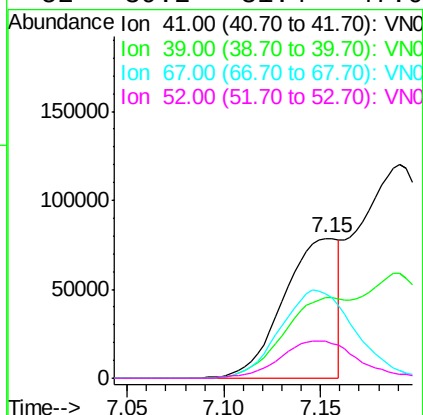
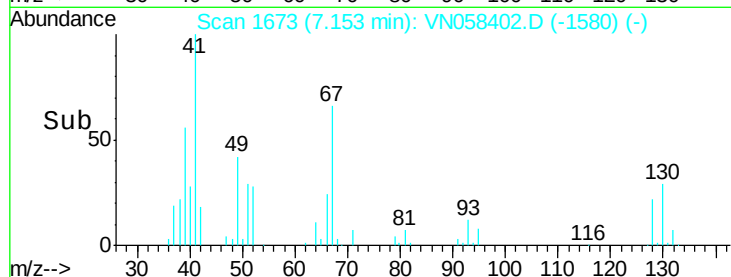
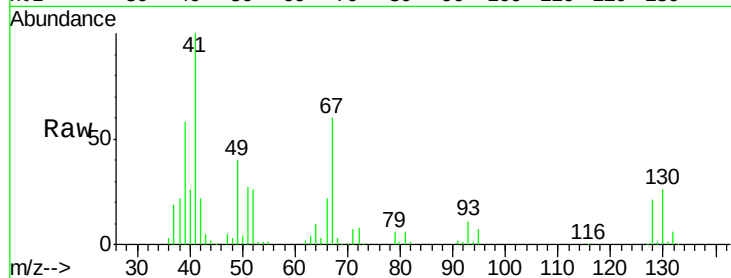
#41
Methacrylonitrile
Concen: 52.289 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.8	50.2	75.4
67	87.8	70.2	105.4
52	39.2	31.4	47.0

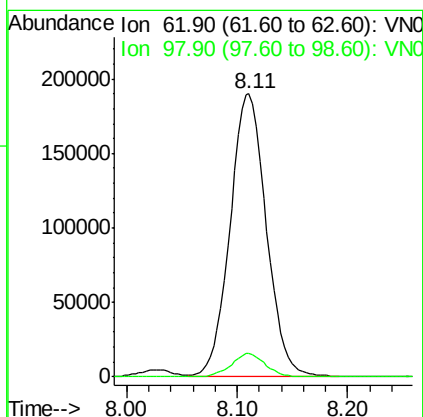
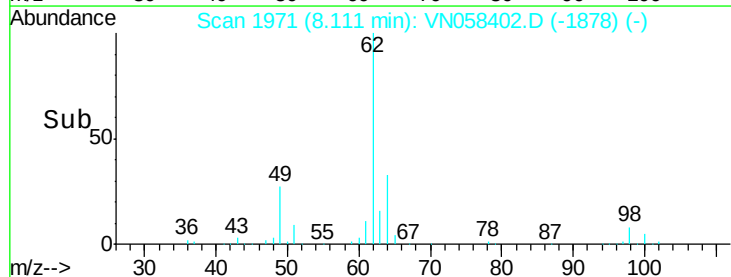
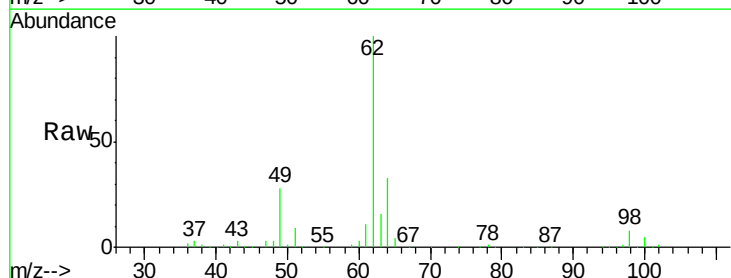
Manual Integrations
APPROVED

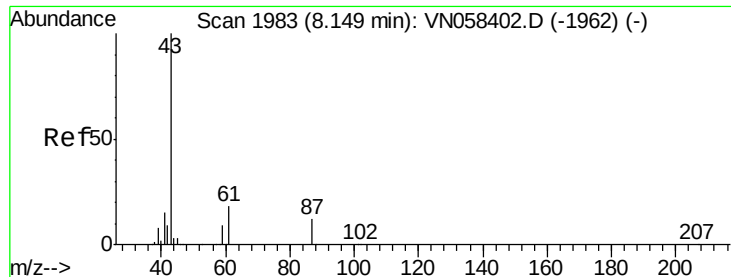
MMDadoda
9/30/2019 10:18:36 AM



#42
1,2-Dichloroethane
Concen: 55.355 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 52.078 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

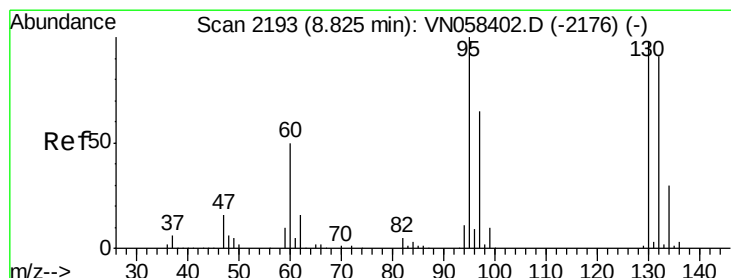
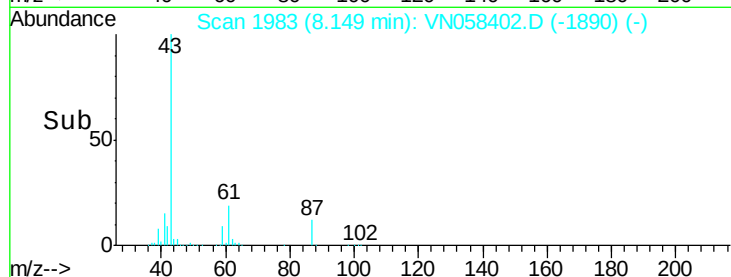
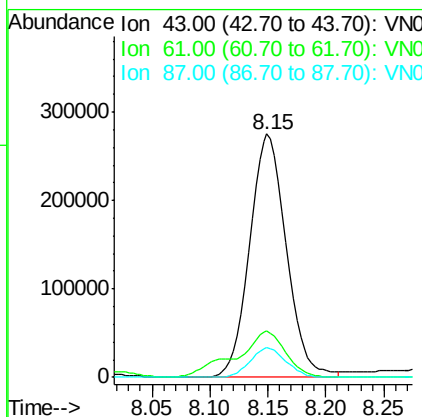
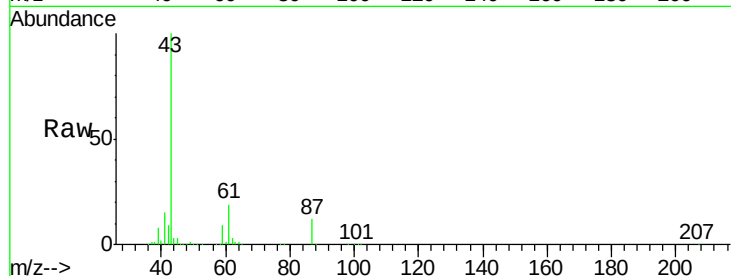
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	603975
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.8	22.2
87	12.1	9.7	14.5

Manual Integrations
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#44

Trichloroethene

Concen: 60.935 ug/l

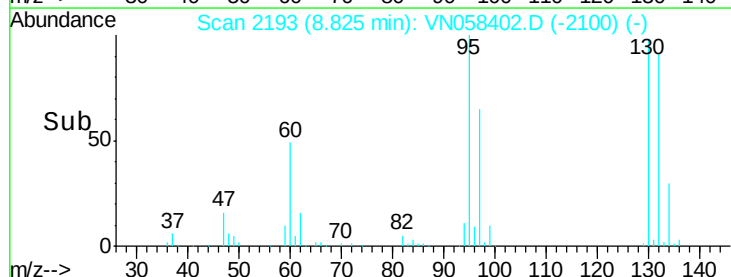
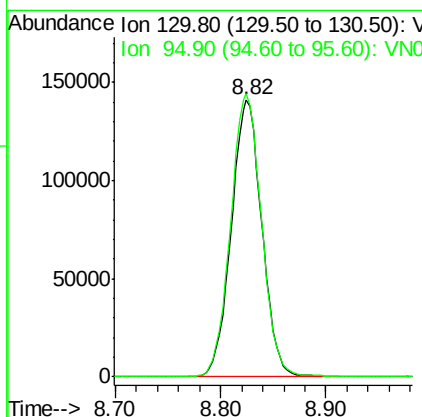
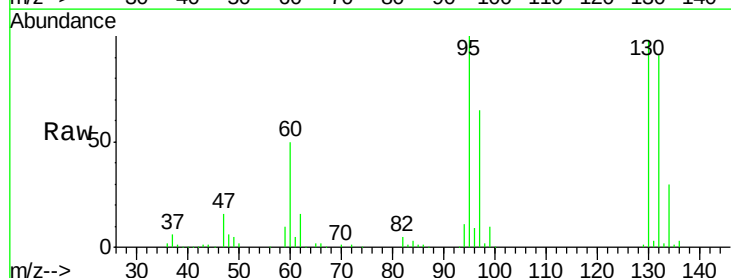
RT: 8.82 min Scan# 2193

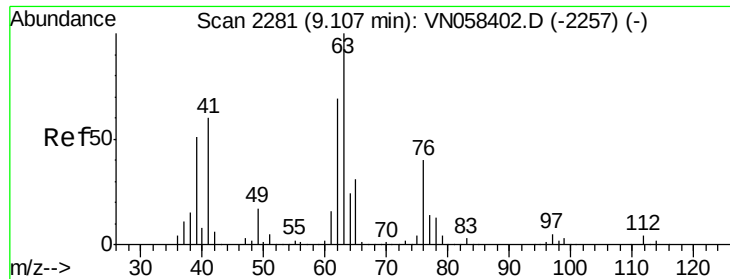
Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion:	130	Resp:	282180
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	204.2





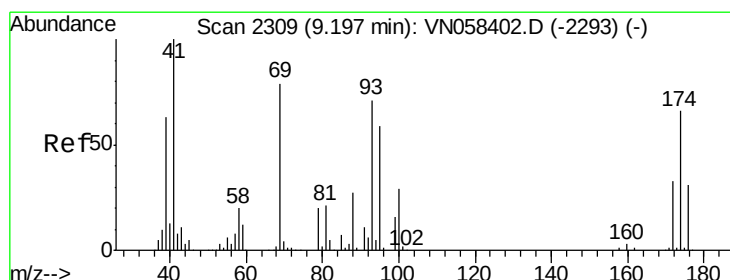
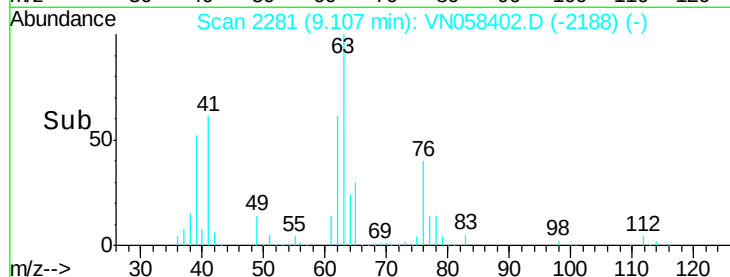
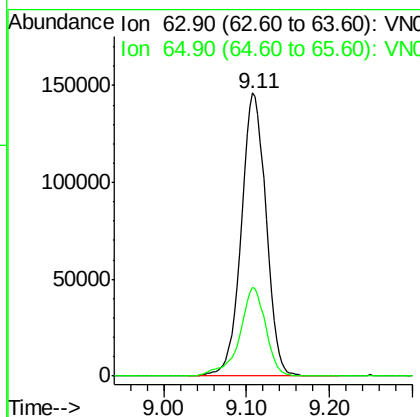
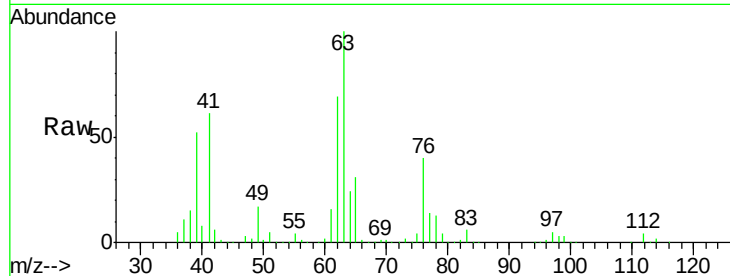
#45
 1,2-Dichloropropane
 Concen: 55.272 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 303820
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

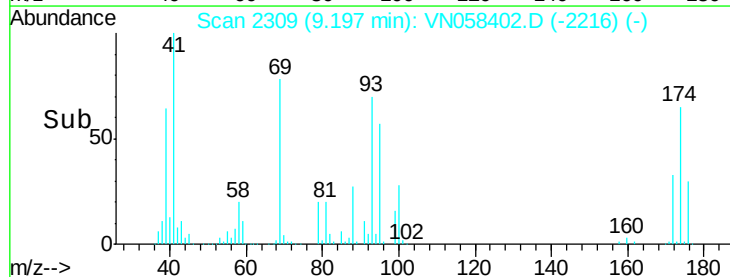
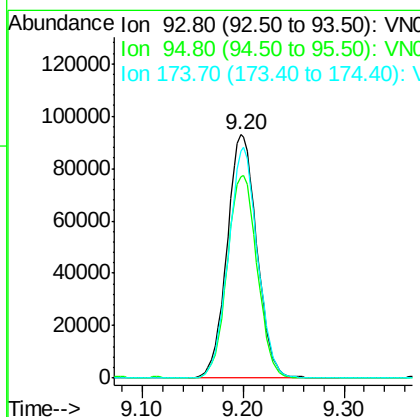
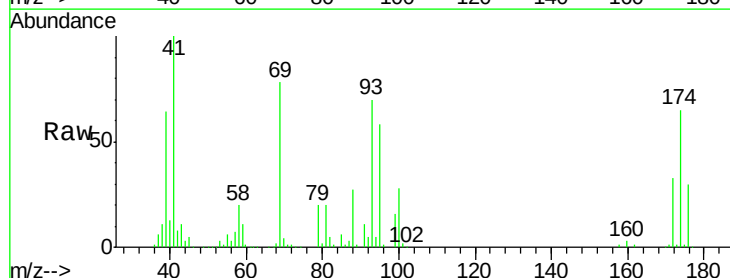
Manual Integrations
 APPROVED

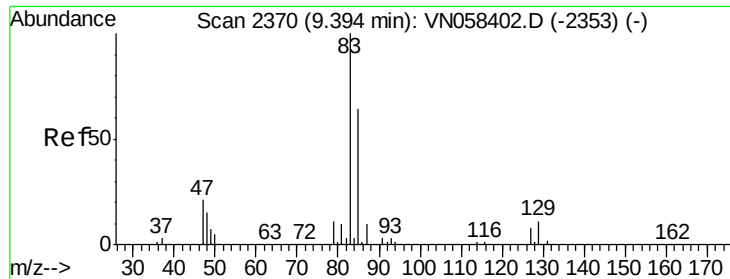
MMDadoda
 9/30/2019 10:18:36 AM



#46
 Dibromomethane
 Concen: 56.738 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion: 93 Resp: 191169
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.4
 174 92.7 74.2 111.2





#47

Bromodichloromethane

Concen: 54.483 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

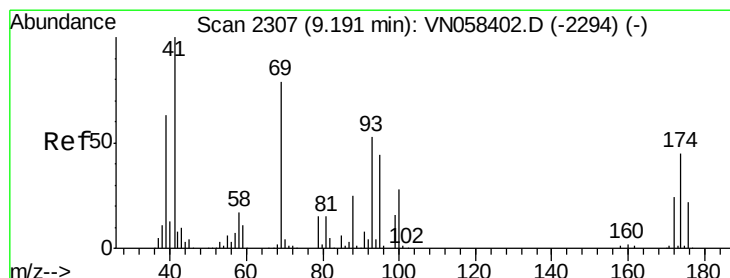
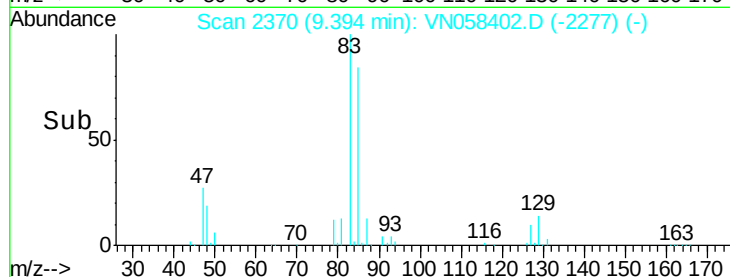
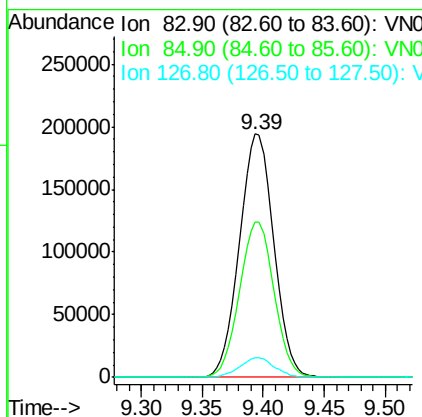
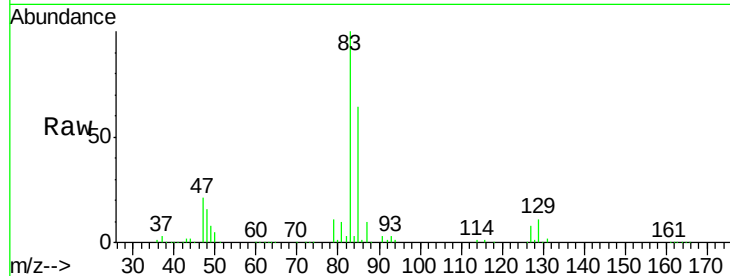
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	377833
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	7.9	6.3	9.5

Manual Integrations
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MMDadoda
9/30/2019 10:18:36 AM



#48

Methyl methacrylate

Concen: 54.501 ug/l

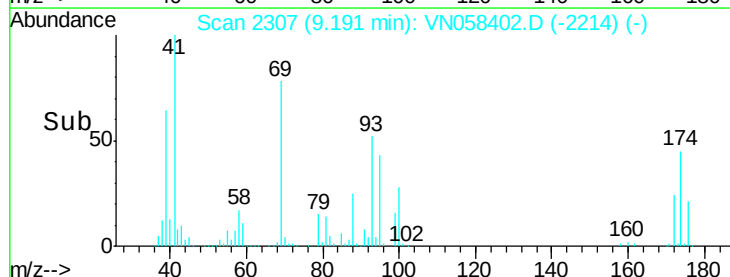
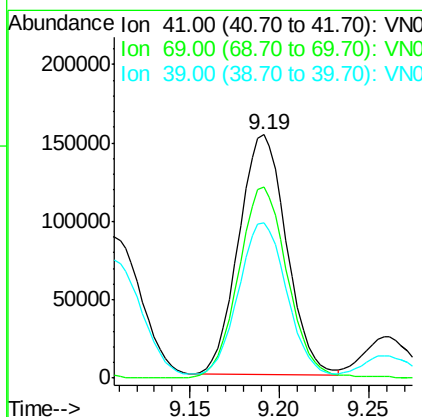
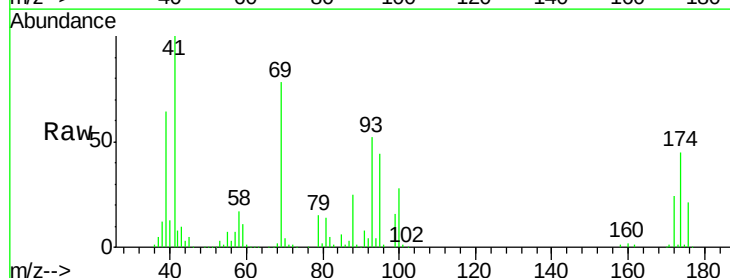
RT: 9.19 min Scan# 2307

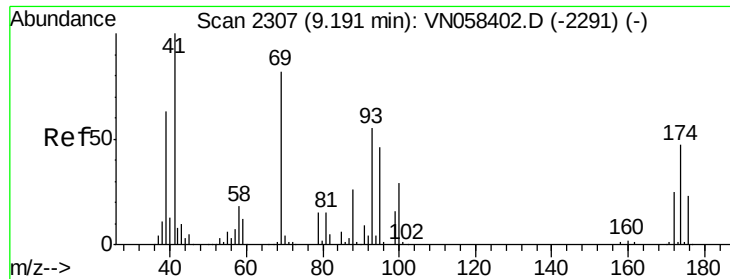
Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion:	41	Resp:	286613
Ion Ratio	Lower	Upper	
41	100		
69	80.9	64.7	97.1
39	66.1	52.9	79.3





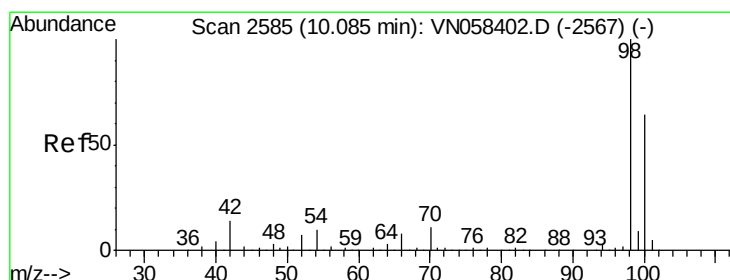
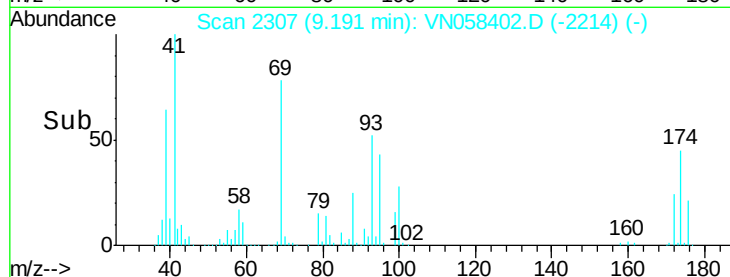
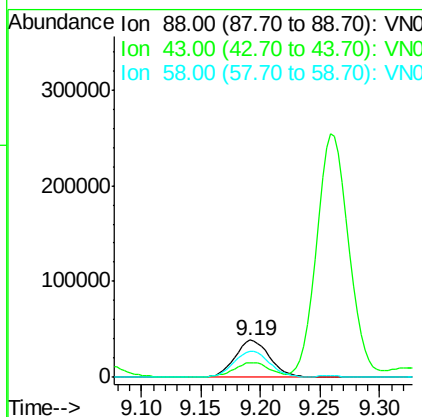
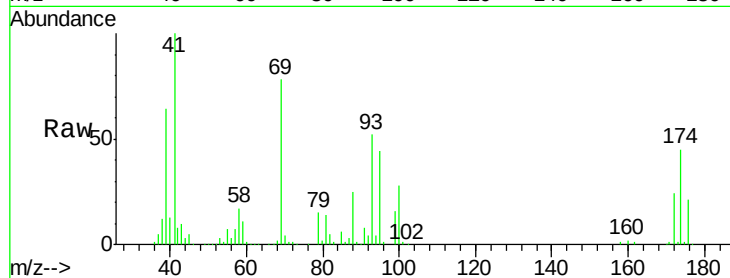
#49
1,4-Dioxane
Concen: 951.114 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	31.1	46.7
58	72.6	58.1	87.1

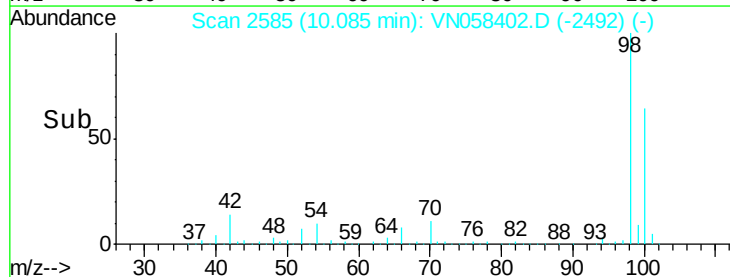
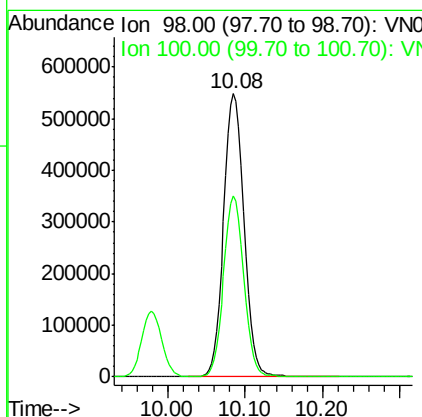
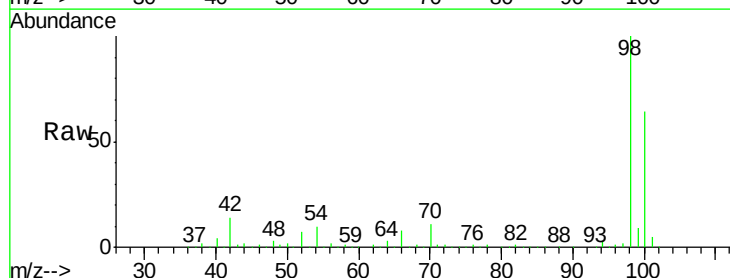
Manual Integrations
APPROVED

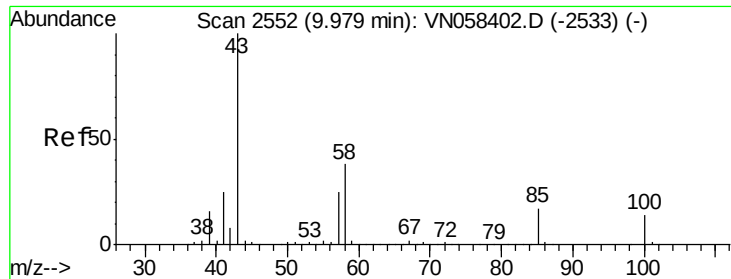
MMDadoda
9/30/2019 10:18:36 AM



#50
Toluene-d8
Concen: 52.254 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 279.394 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1702257

Ion Ratio Lower Upper

43 100

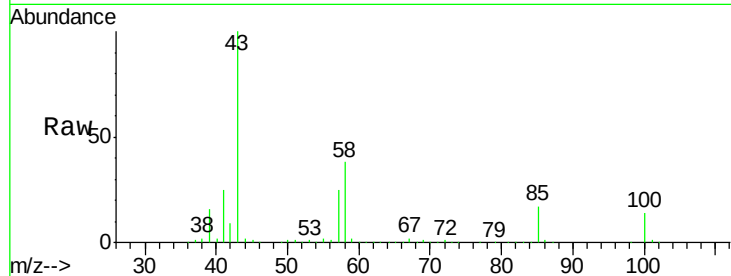
58 37.7 30.2 45.2

Manual Integrations

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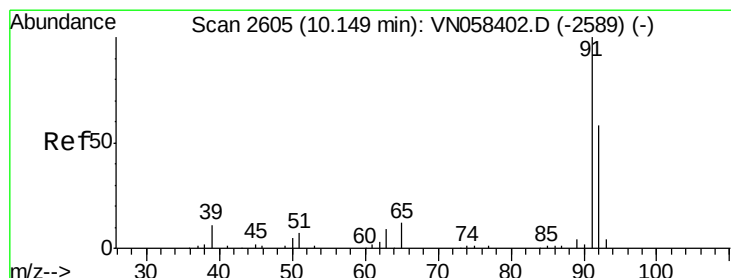
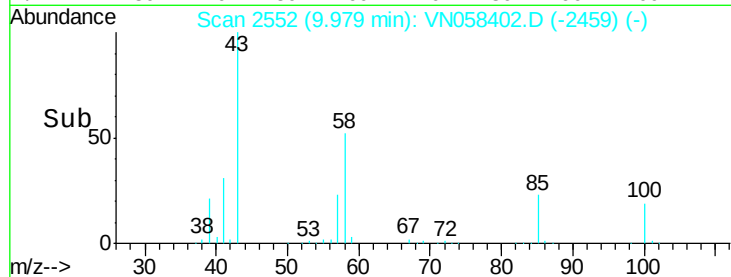
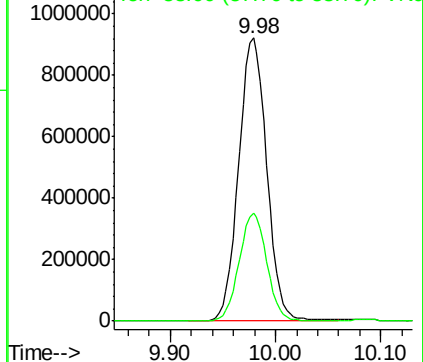
MMDadoda

9/30/2019 10:18:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 59.132 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058402.D

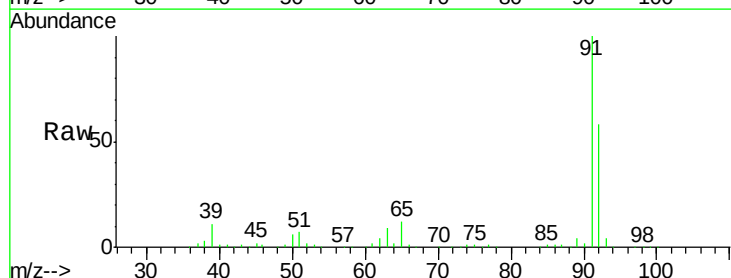
Acq: 27 Sep 2019 12:17

Tgt Ion: 92 Resp: 694976

Ion Ratio Lower Upper

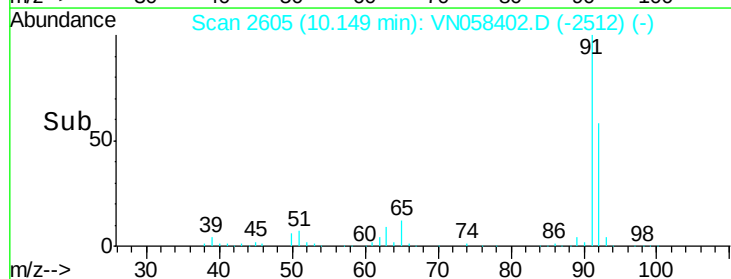
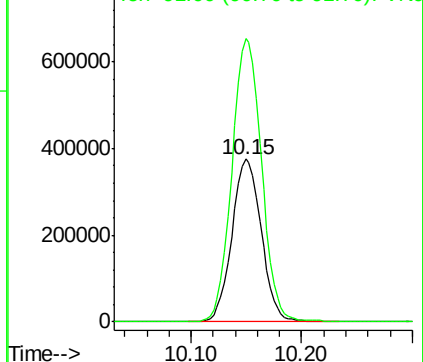
92 100

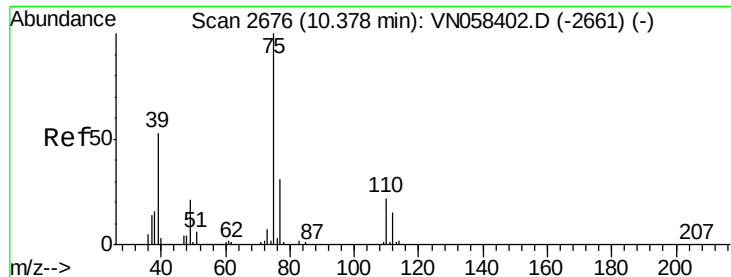
91 175.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





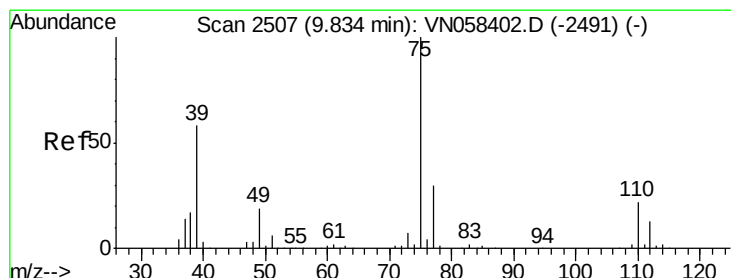
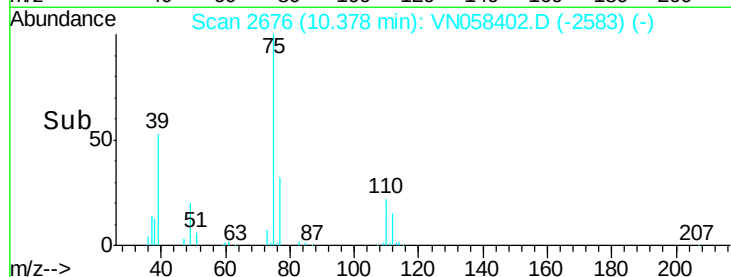
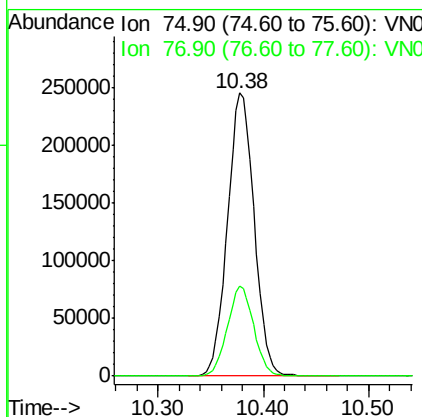
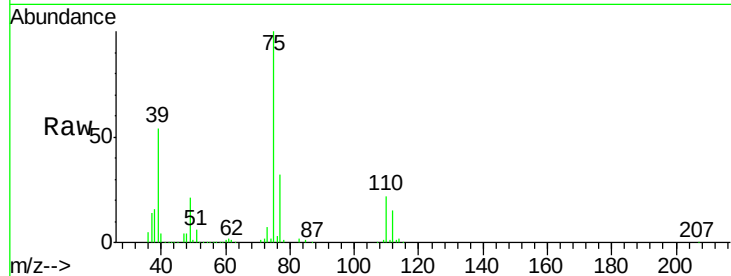
#53
t-1,3-Dichloropropene
Concen: 59.600 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 429416
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

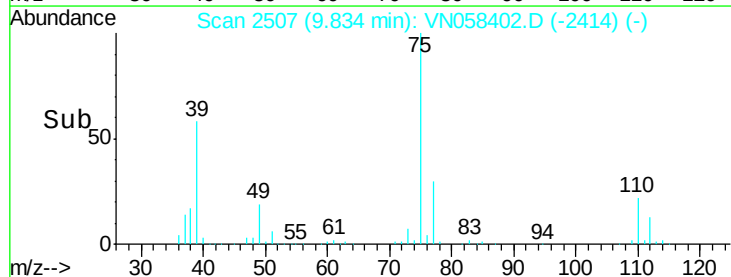
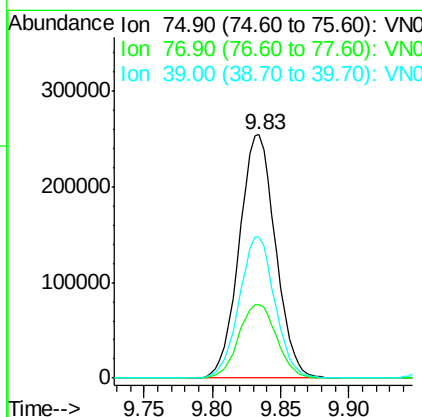
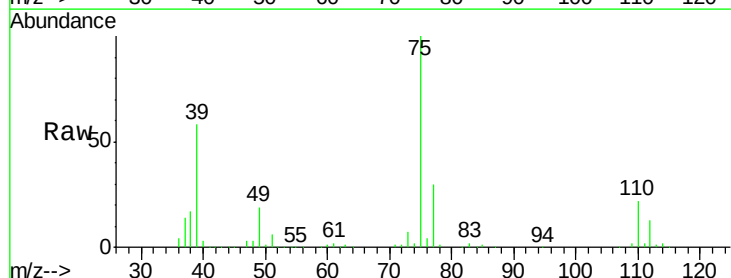
Manual Integrations
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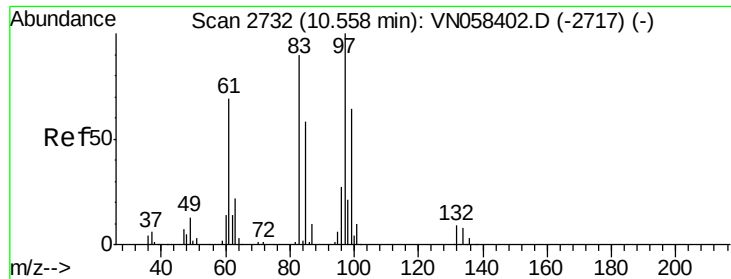
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 59.030 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion: 75 Resp: 470841
Ion Ratio Lower Upper
75 100
77 30.3 24.2 36.4
39 58.0 46.4 69.6





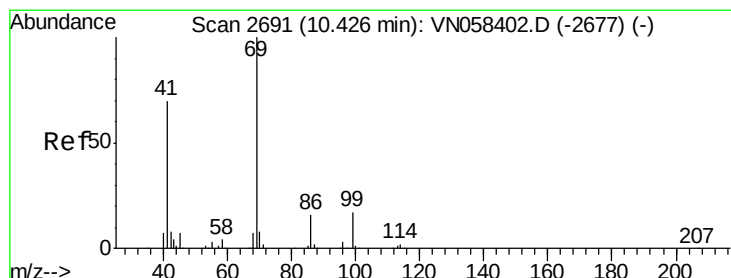
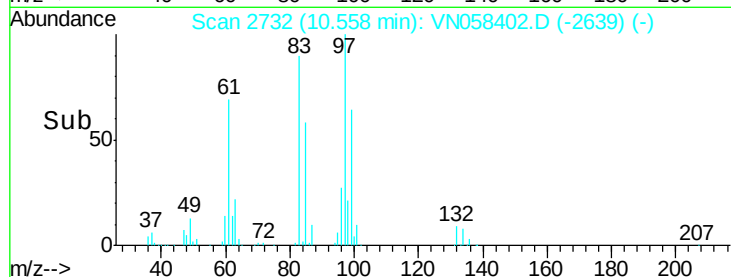
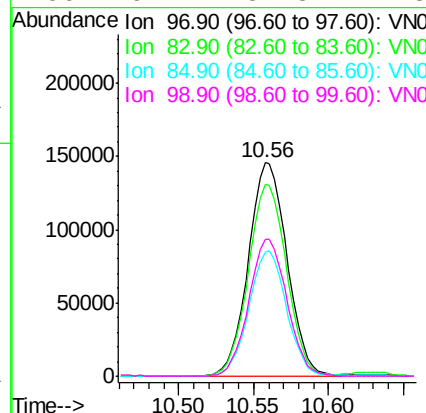
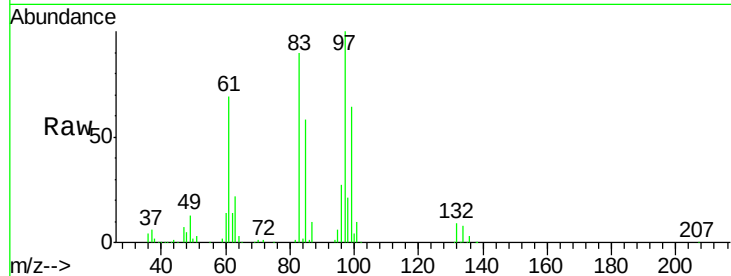
#55
 1,1,2-Trichloroethane
 Concen: 52.053 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	97	Resp	262359
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.8	107.6
85	58.2	46.6	69.8
99	64.4	51.5	77.3

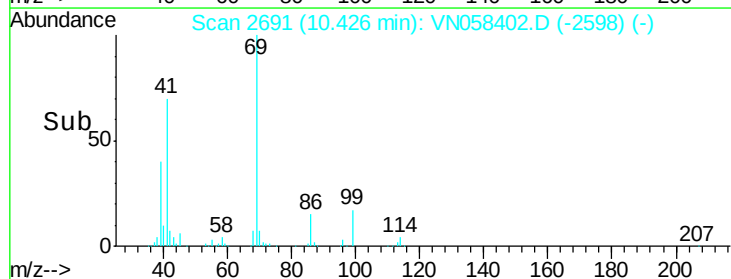
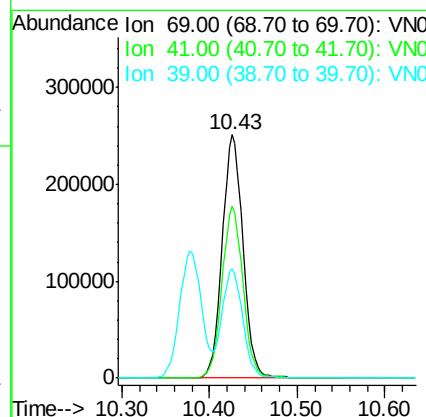
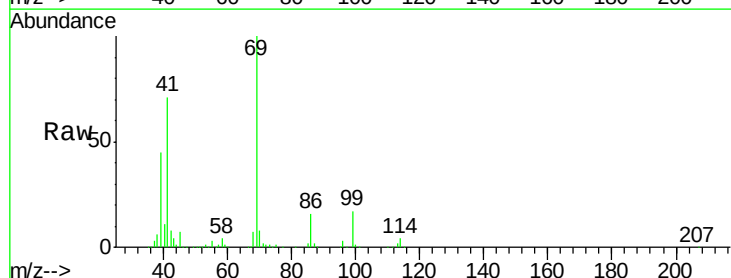
Manual Integrations
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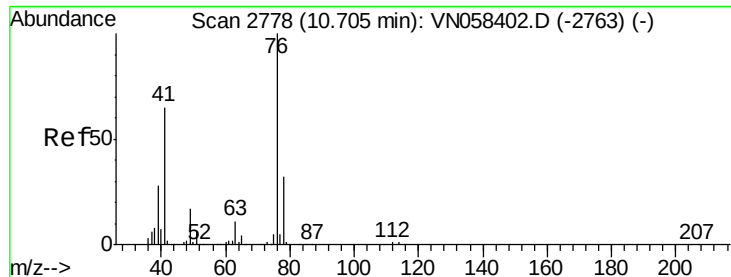
MMDadoda
 9/30/2019 10:18:36 AM



#56
 Ethyl methacrylate
 Concen: 56.443 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	69	Resp	413320
Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.3	84.5
39	44.7	35.8	53.6





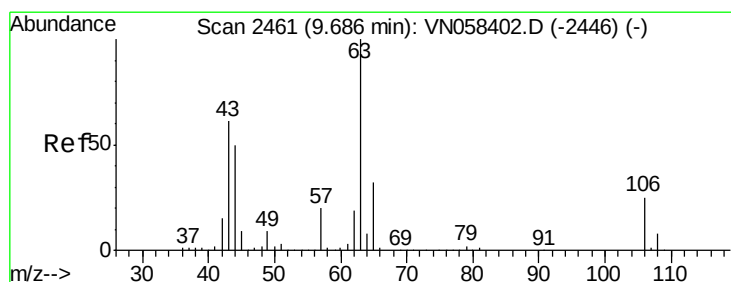
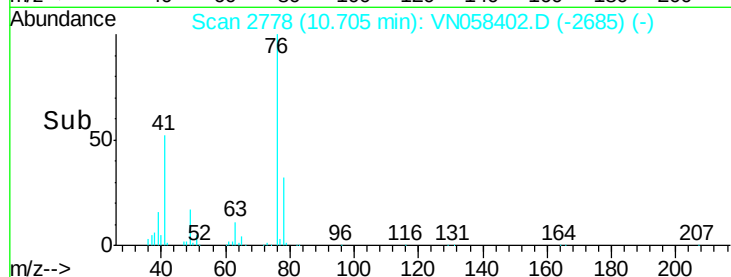
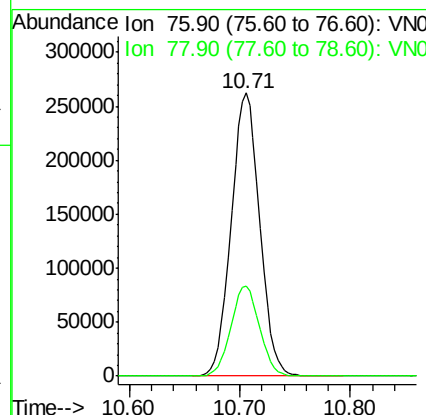
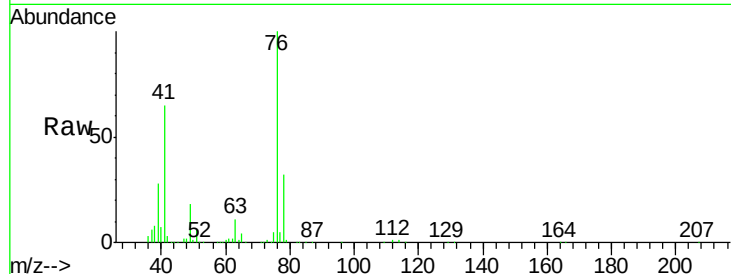
#57
 1,3-Dichloropropane
 Concen: 53.698 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 76 Resp: 469018
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

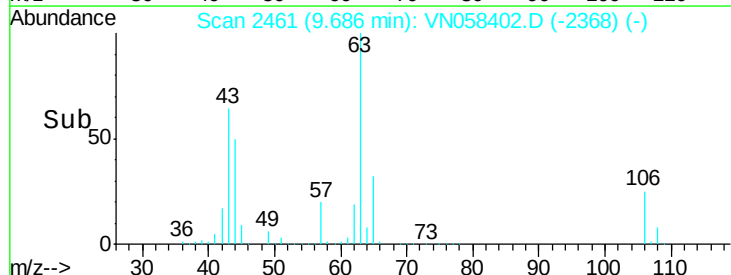
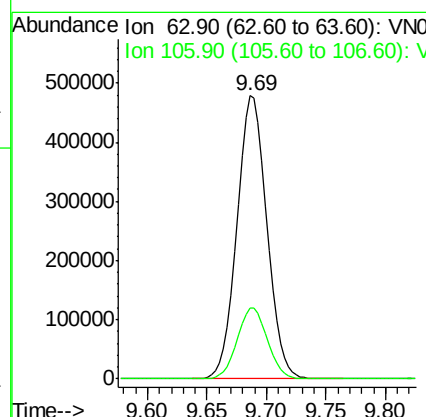
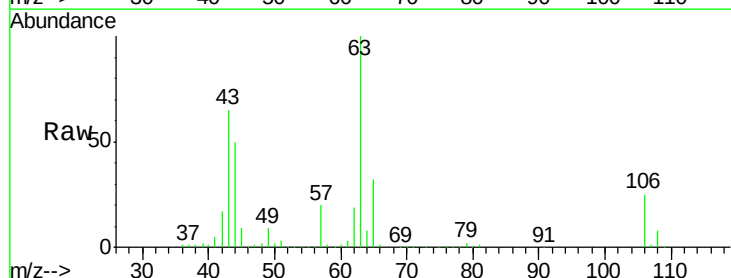
Manual Integrations
 APPROVED

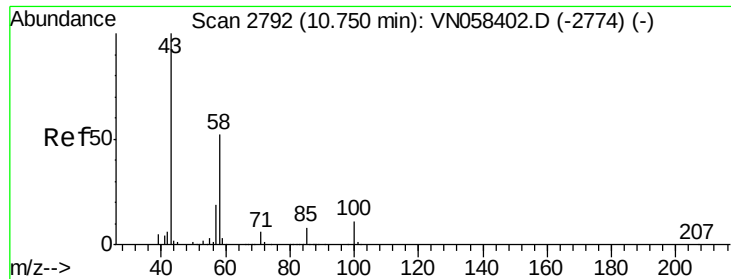
MMDadoda
 9/30/2019 10:18:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.695 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion: 63 Resp: 833528
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.3 30.5





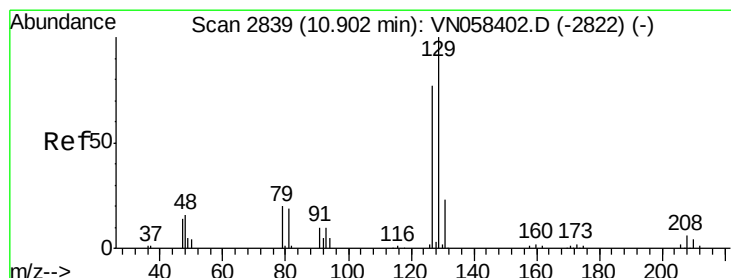
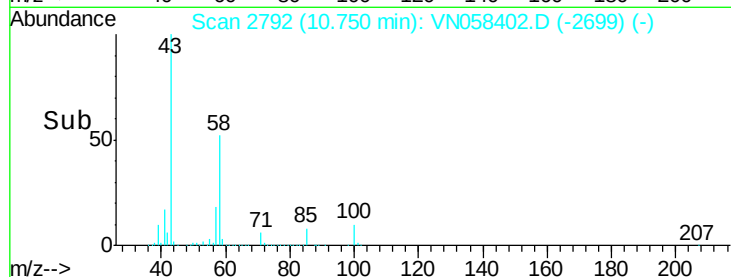
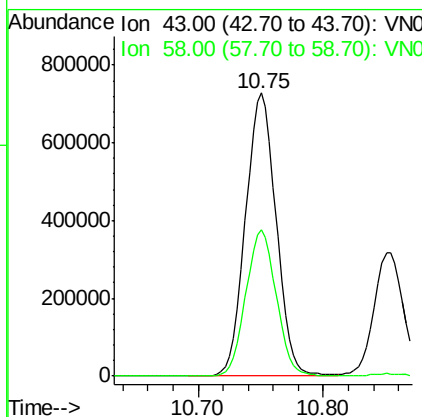
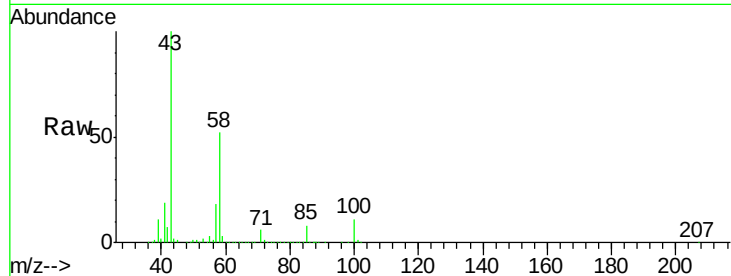
#59
2-Hexanone
Concen: 274.415 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 1238655
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

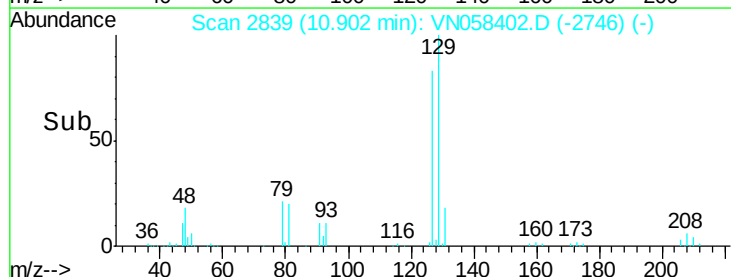
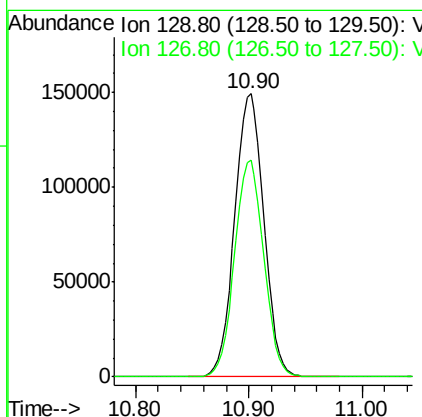
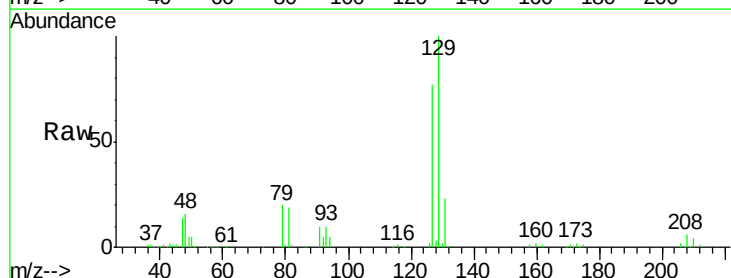
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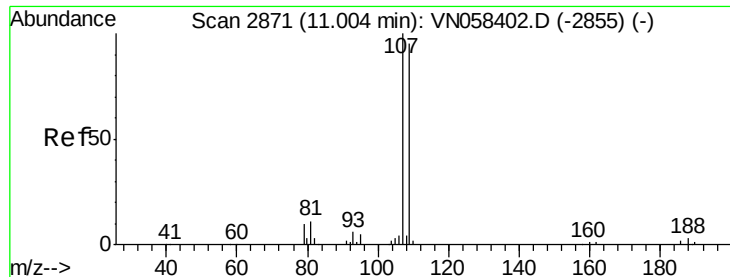
MMDadoda
9/30/2019 10:18:36 AM



#60
Dibromochloromethane
Concen: 55.476 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion: 129 Resp: 269154
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





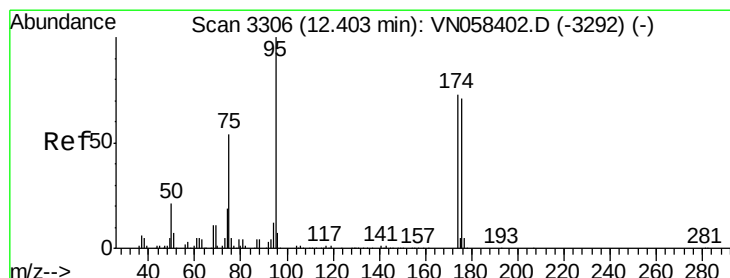
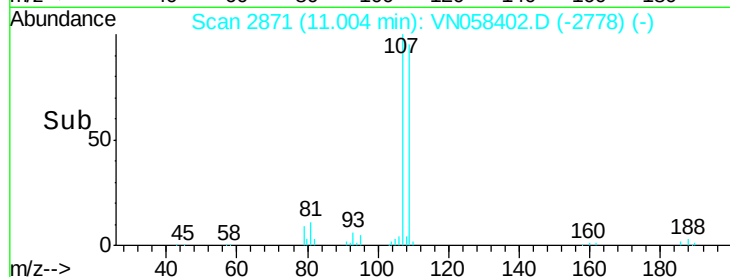
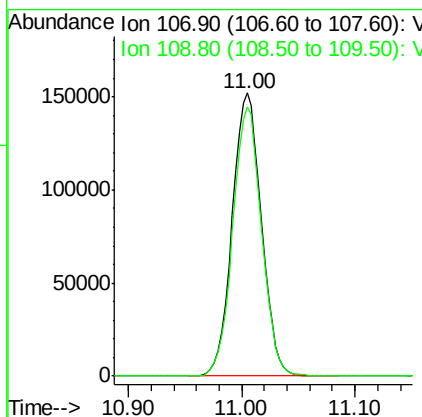
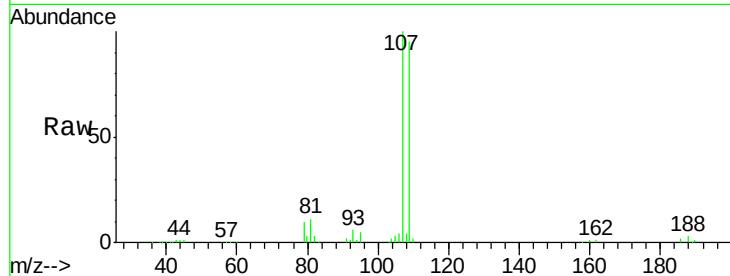
#61
 1,2-Dibromoethane
 Concen: 57.106 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

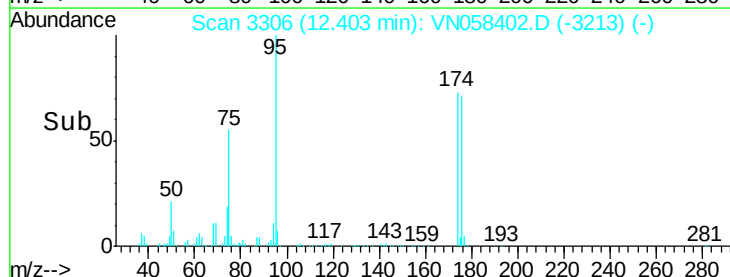
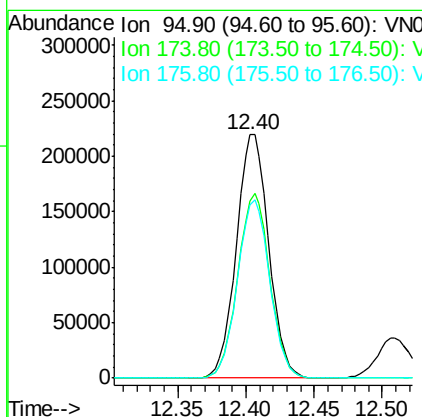
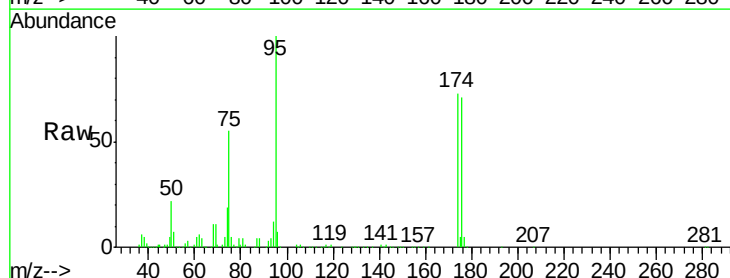
Manual Integrations
 APPROVED

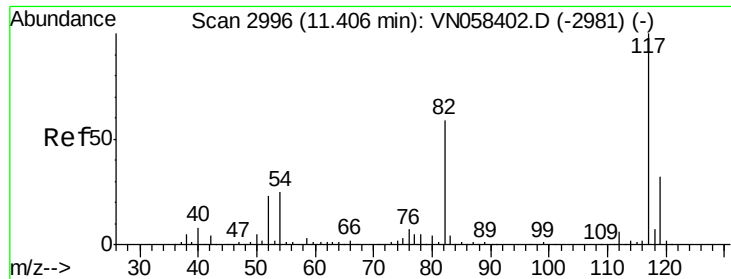
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 9/30/2019 10:18:36 AM



#62
 4-Bromofluorobenzene
 Concen: 50.649 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	73.1	0.0	146.2





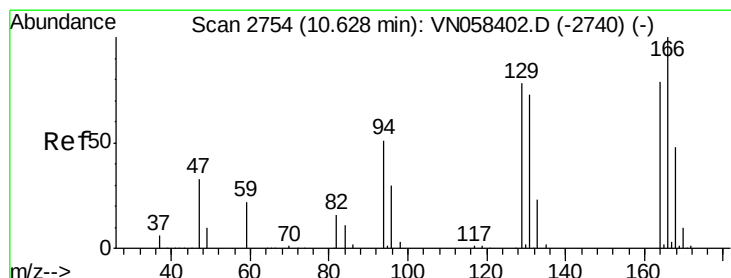
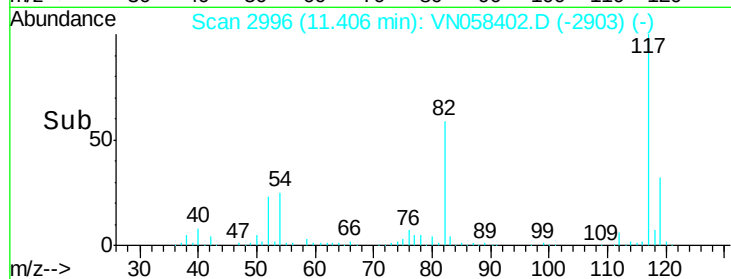
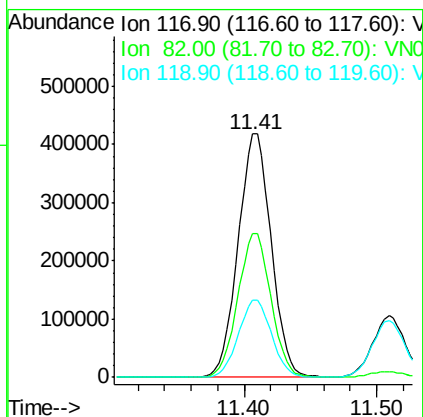
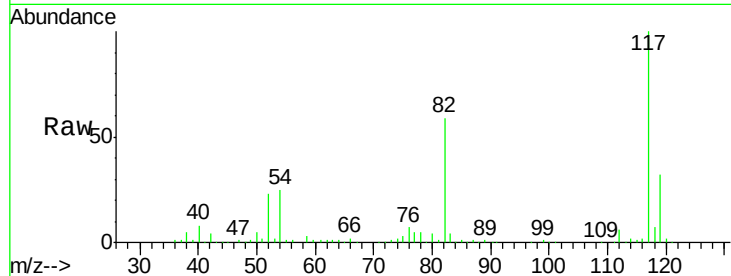
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.4	71.0
119	31.9	25.5	38.3

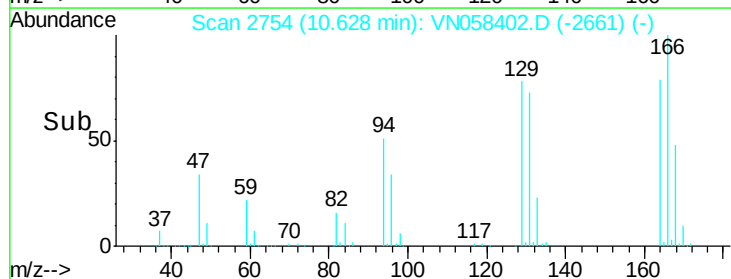
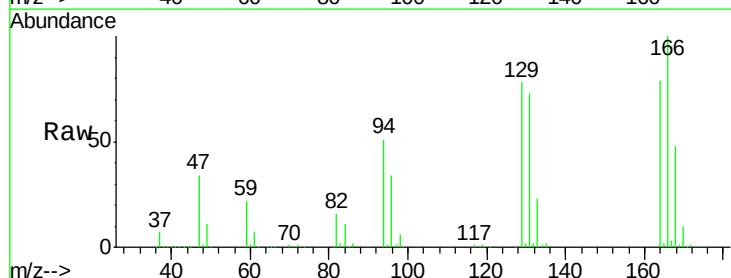
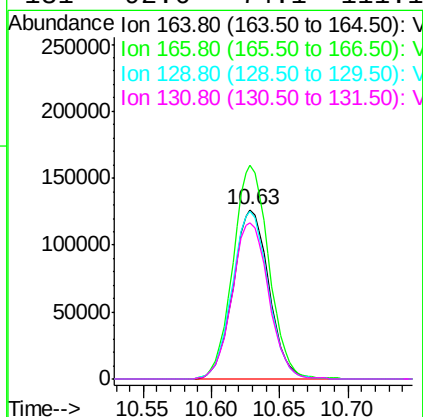
Manual Integrations
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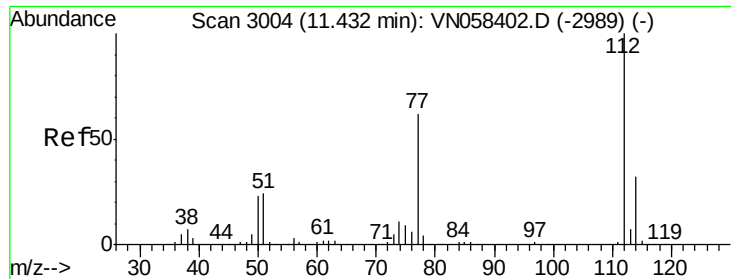
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#64
Tetrachloroethene
Concen: 61.126 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.1	151.7
129	99.0	79.2	118.8
131	92.6	74.1	111.1





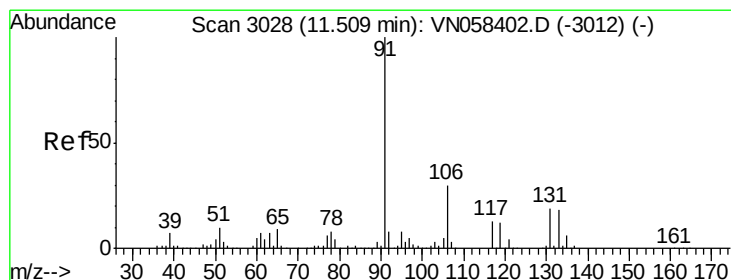
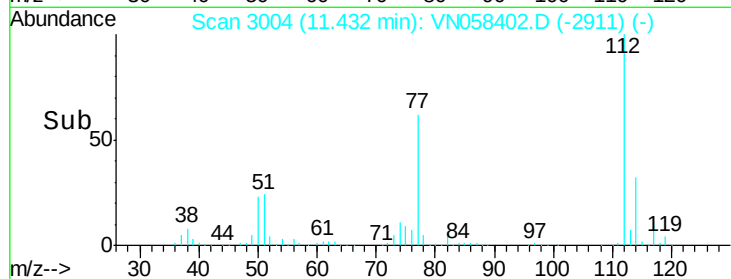
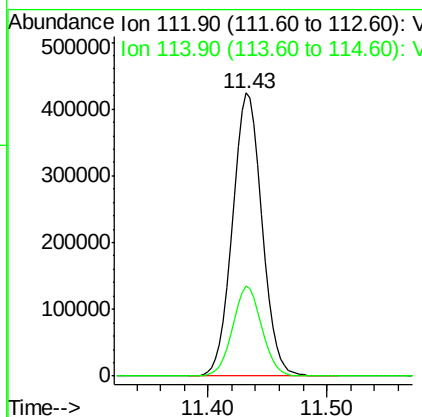
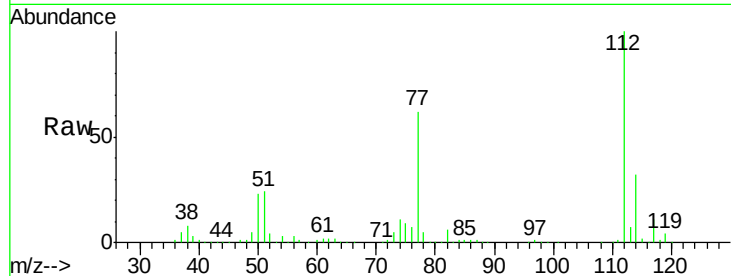
#65
Chlorobenzene
Concen: 55.238 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 728184
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

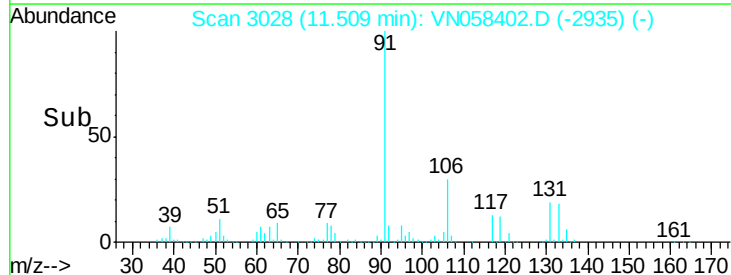
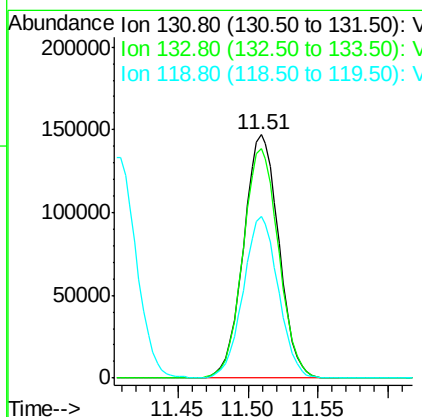
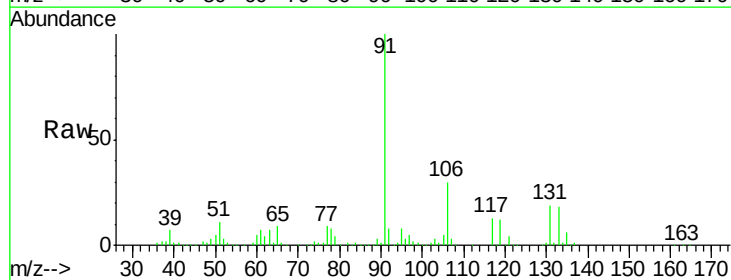
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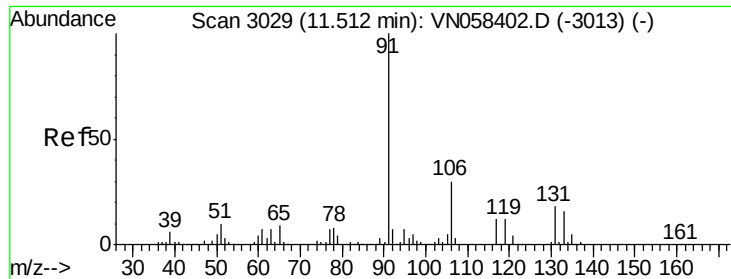
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.726 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion:131 Resp: 257570
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.0 33.0 99.0





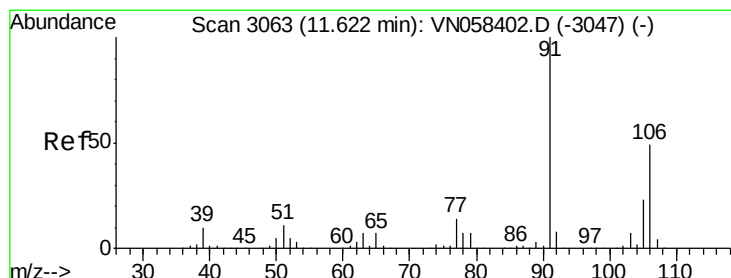
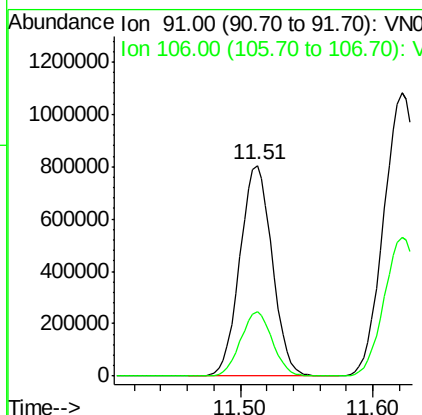
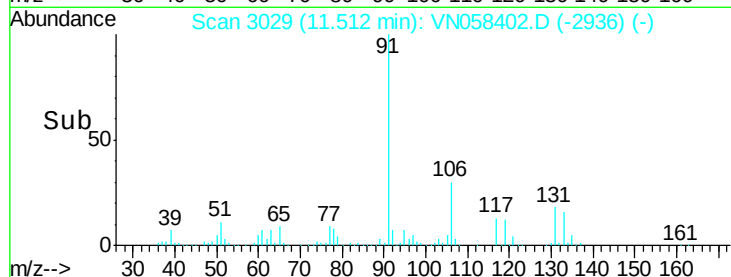
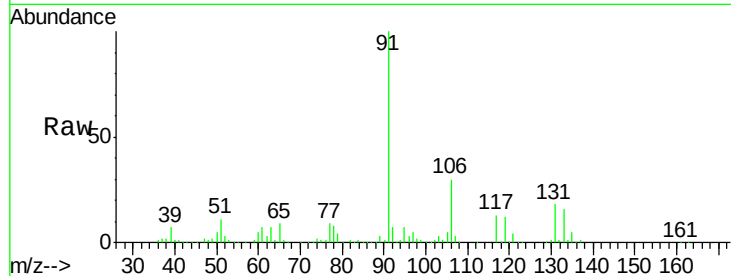
#67
Ethyl Benzene
Concen: 59.628 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1358071
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

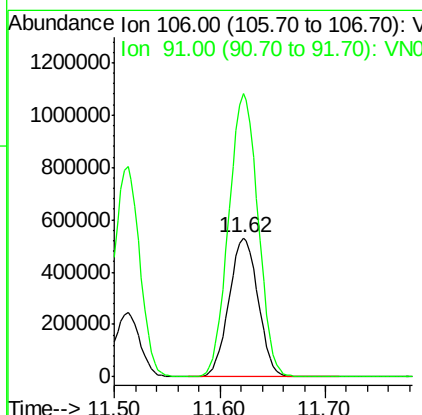
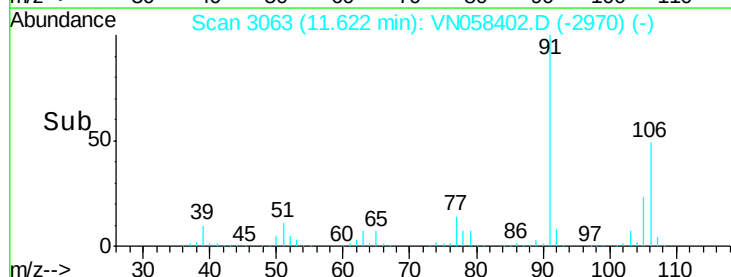
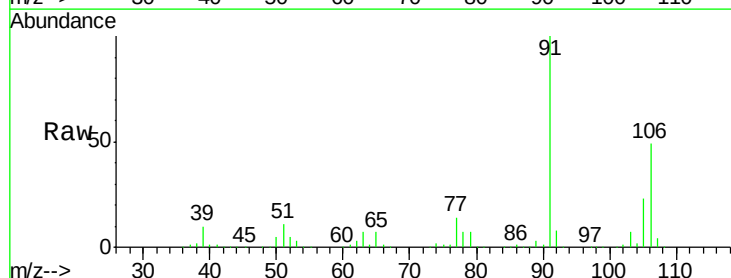
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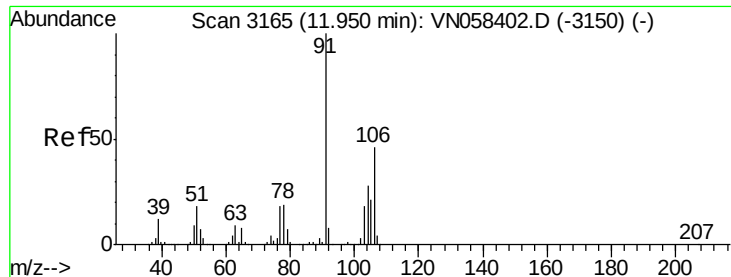
MMDadoda
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#68
m/p-Xylenes
Concen: 117.644 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion: 106 Resp: 1010459
Ion Ratio Lower Upper
106 100
91 206.2 165.0 247.4





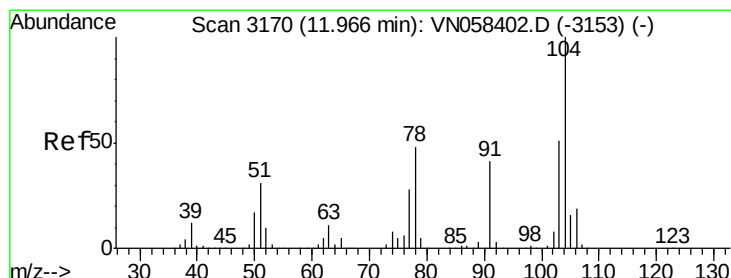
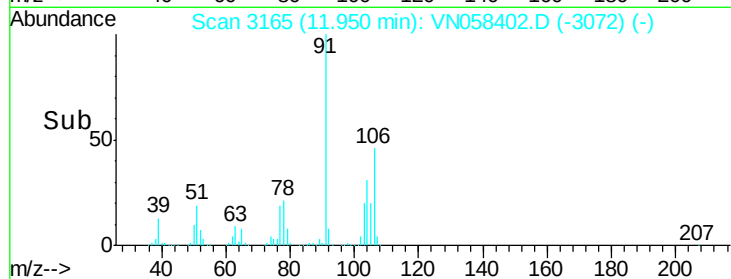
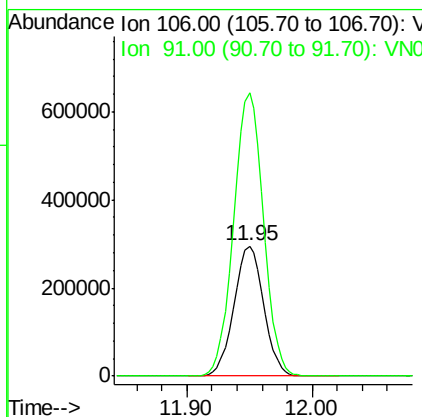
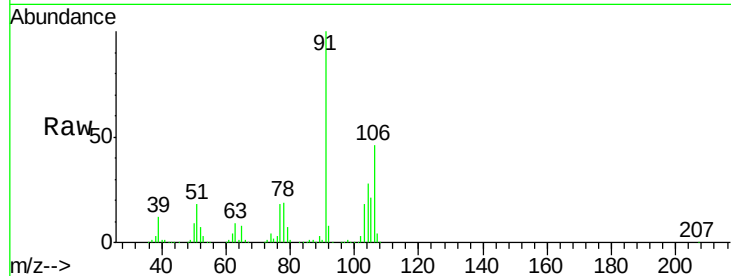
#69
o-Xylene
Concen: 57.832 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	485893		
91	91	218.3	109.1	327.4	

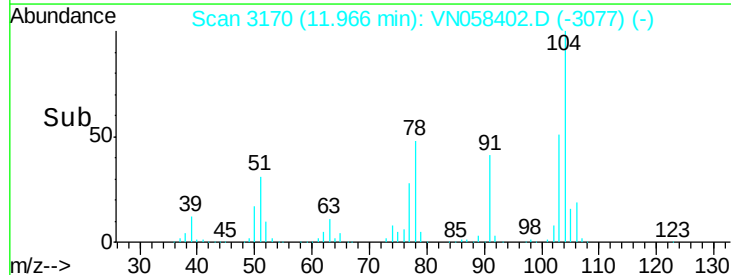
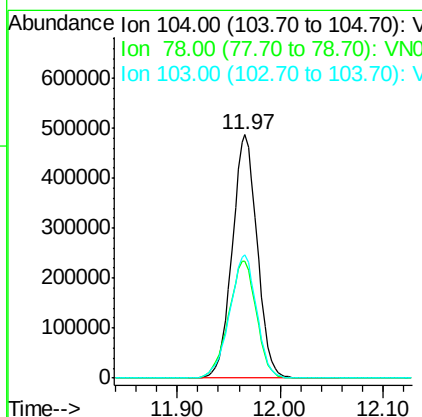
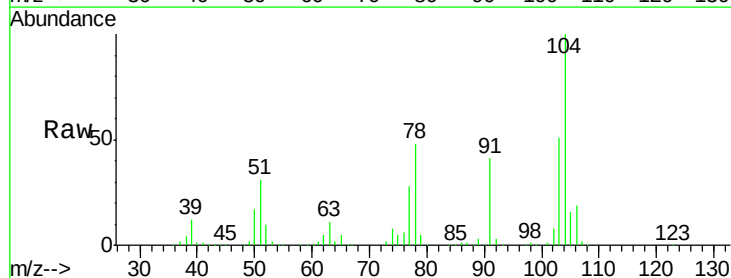
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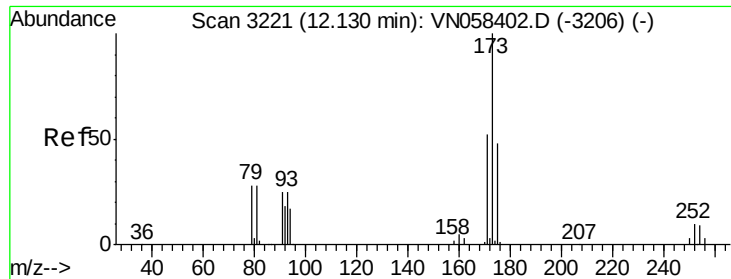
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#70
Styrene
Concen: 57.256 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	819843		
78	78	53.5	42.8	64.2	
103	103	54.6	43.7	65.5	





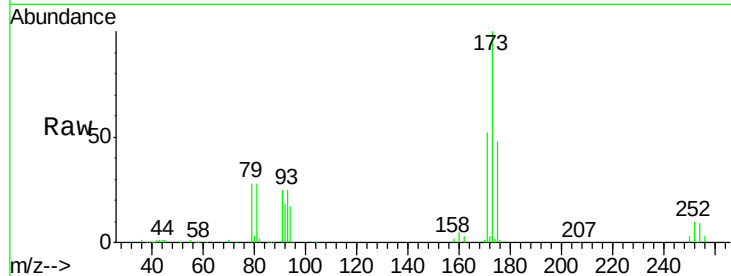
#71
Bromoform
Concen: 55.187 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

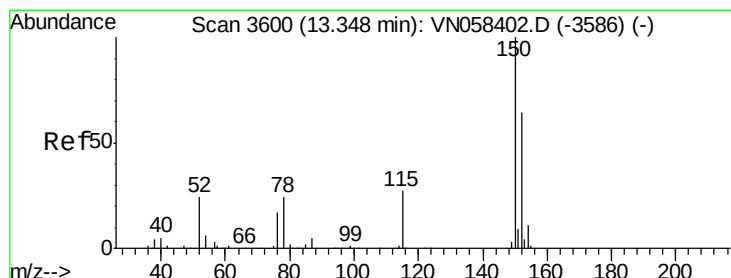
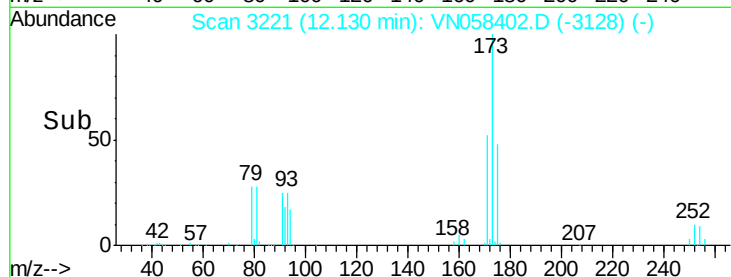
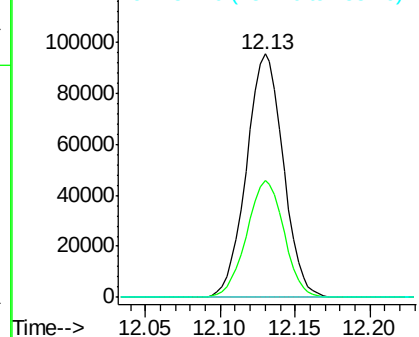
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.1	0.1	0.1

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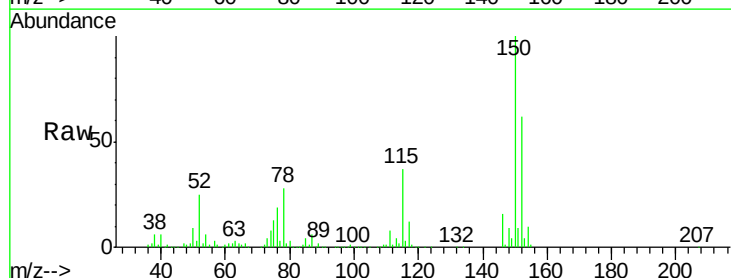


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

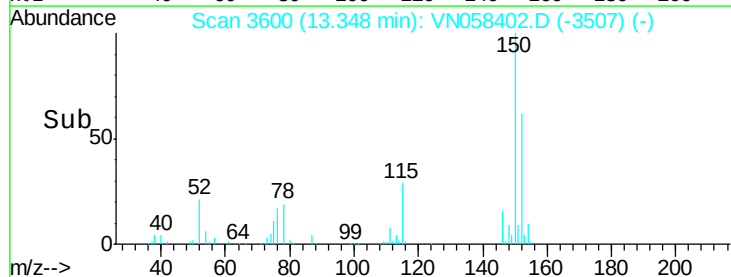
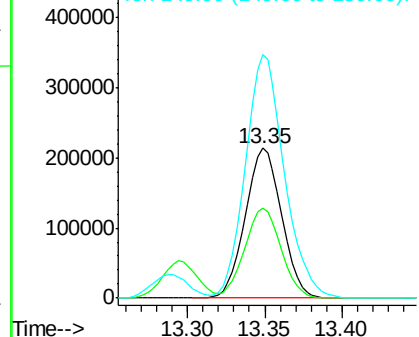


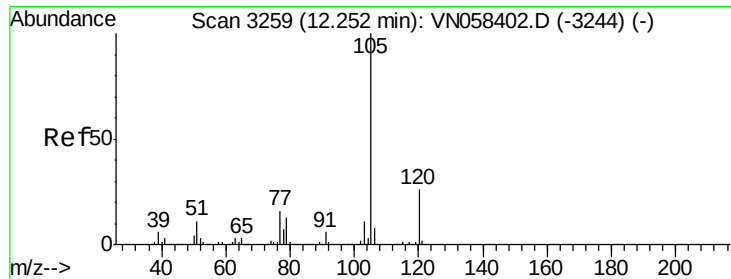
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.0	90.0
150	174.1	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: 58.335 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1314100

Ion Ratio Lower Upper

105 100

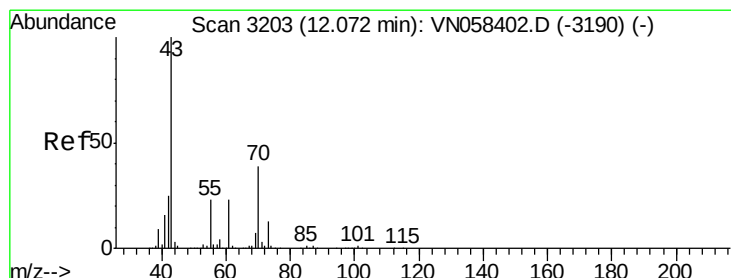
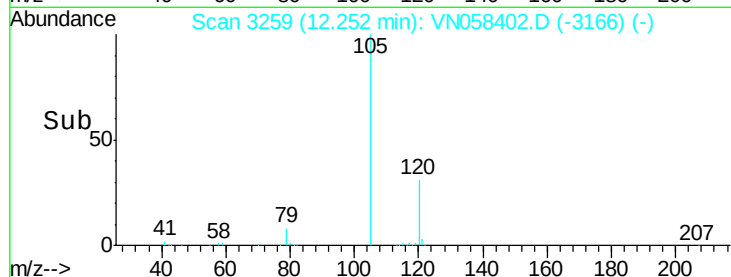
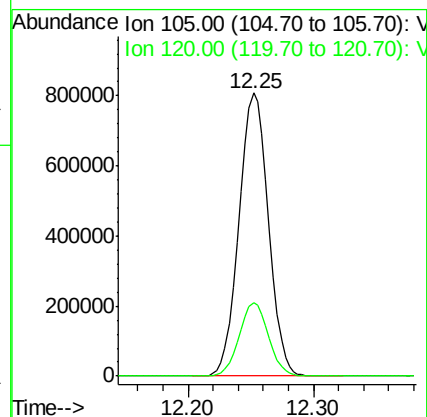
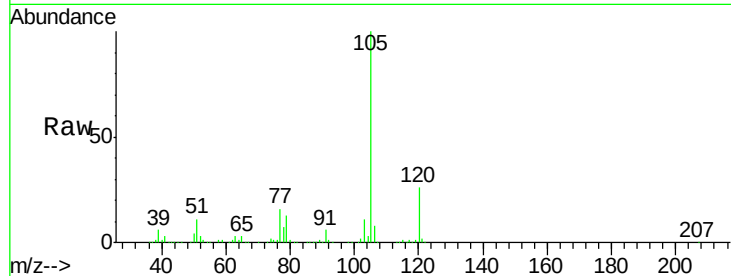
120 25.6 12.8 38.4

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#74

N-ethyl acetate

Concen: 57.426 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion: 43 Resp: 534826

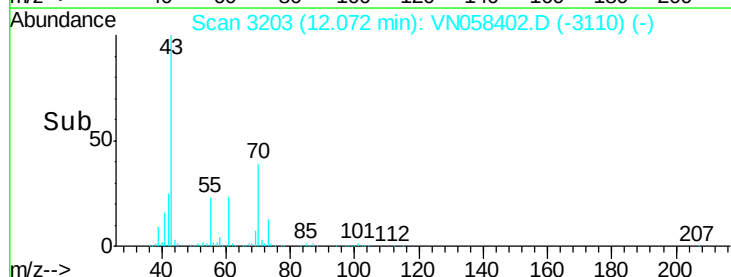
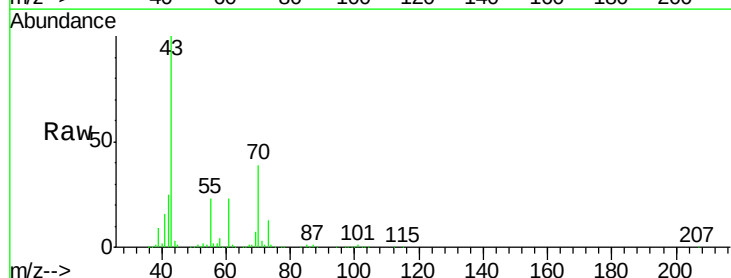
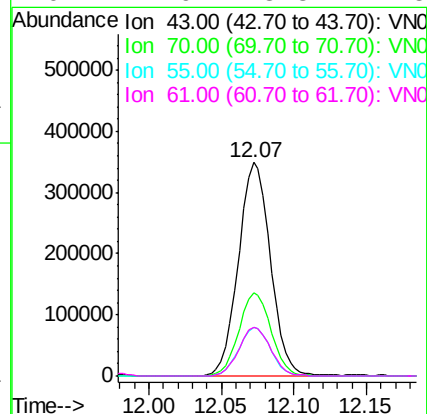
Ion Ratio Lower Upper

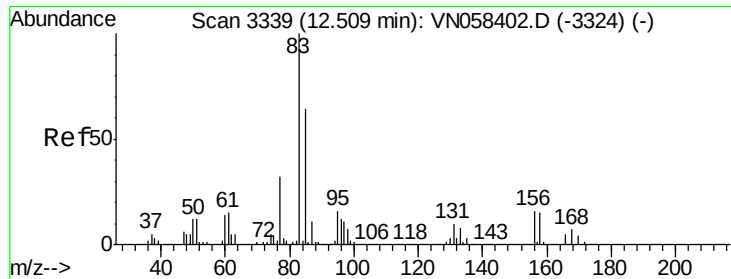
43 100

70 39.3 31.4 47.2

55 22.8 18.2 27.4

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.918 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

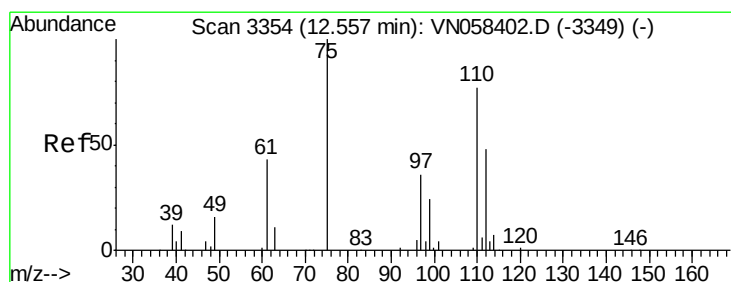
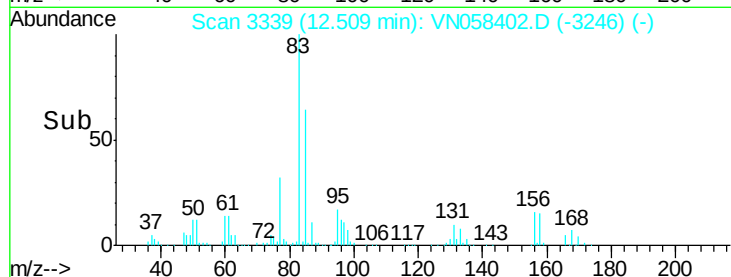
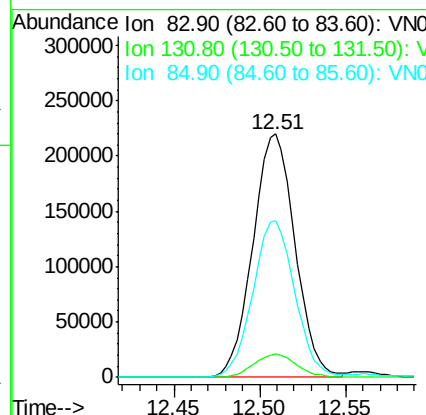
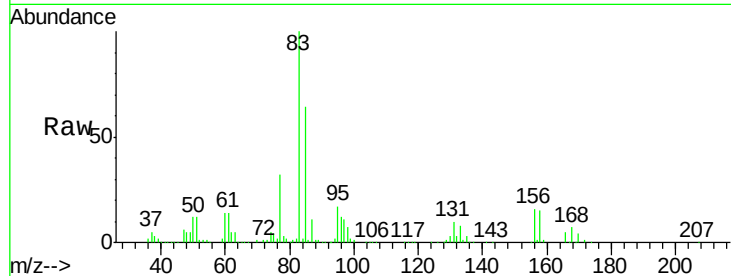
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	374321
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.0	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 51.372 ug/l m

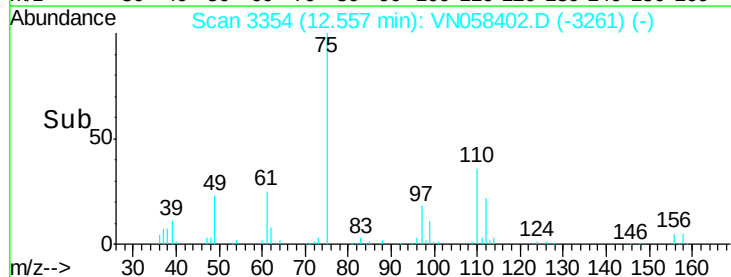
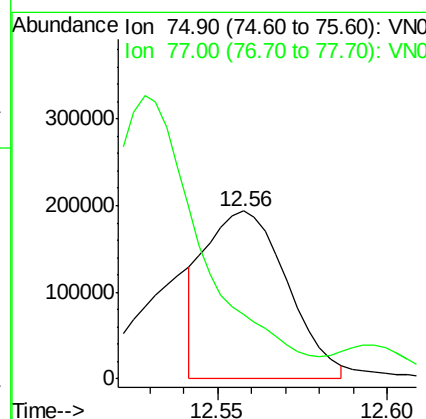
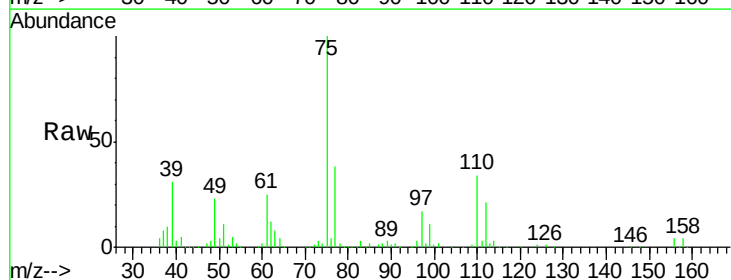
RT: 12.56 min Scan# 3354

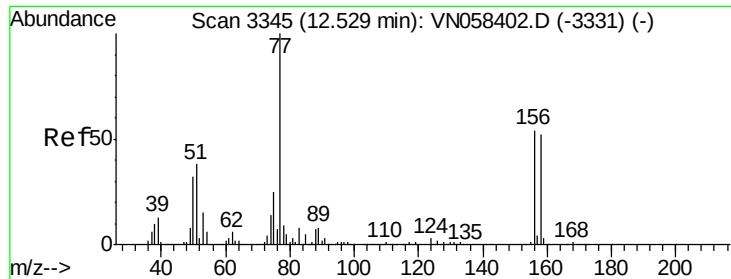
Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion:	75	Resp:	324617
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.431 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

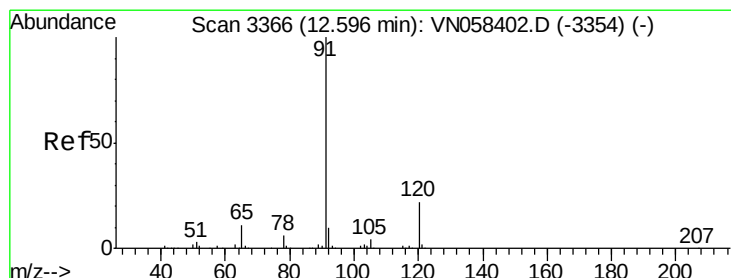
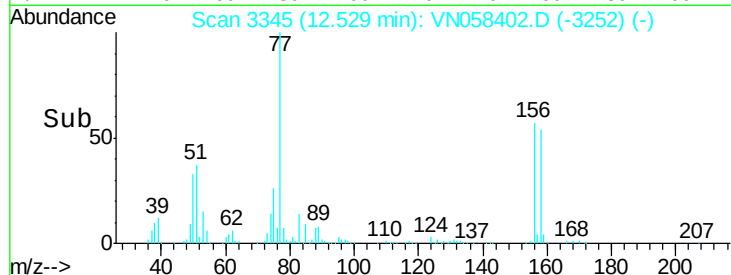
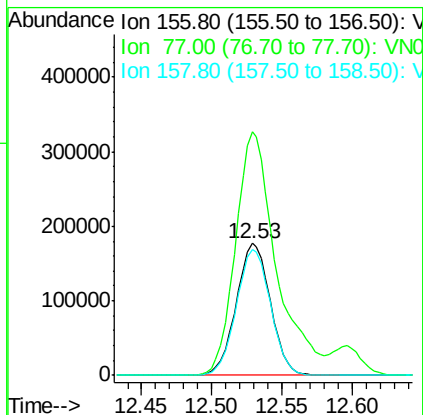
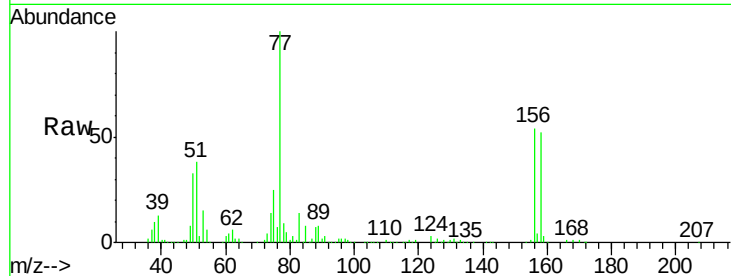
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.0	110.0	330.0
158	95.9	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 59.765 ug/l

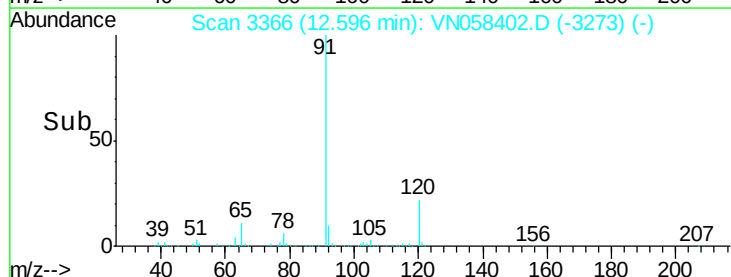
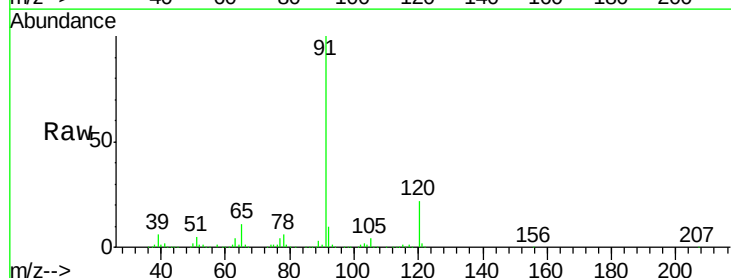
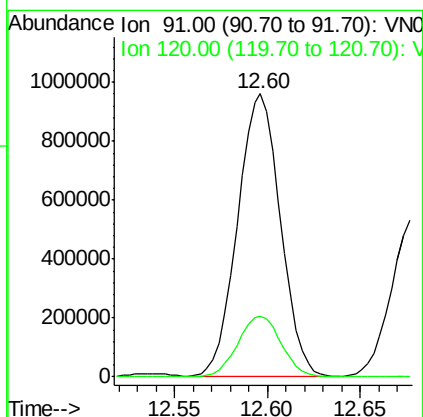
RT: 12.60 min Scan# 3366

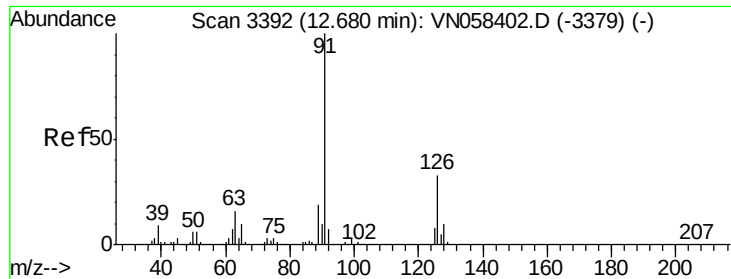
Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.9





#79

2-Chlorotoluene

Concen: 56.341 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 897016

Ion Ratio Lower Upper

91 100

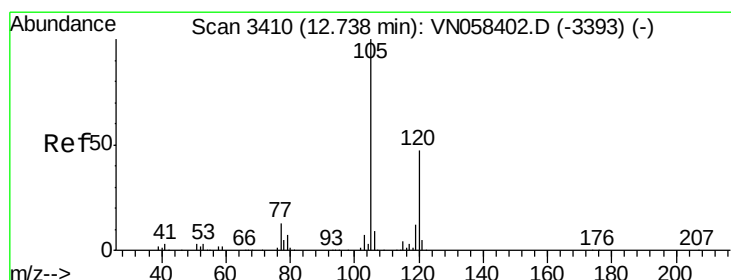
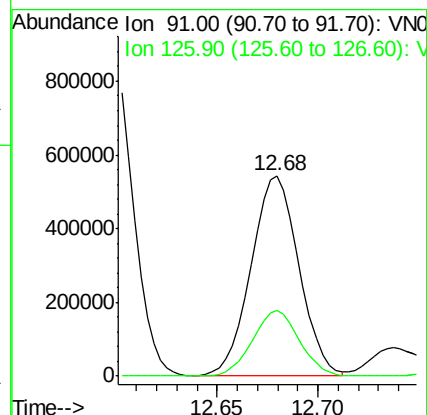
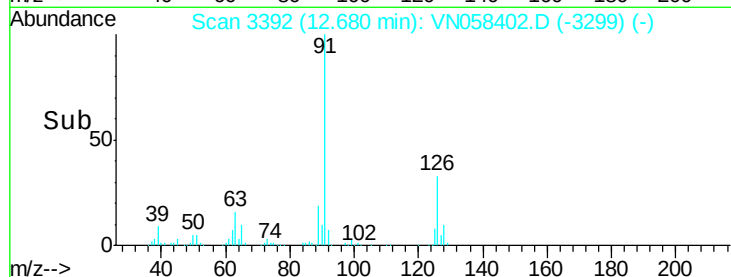
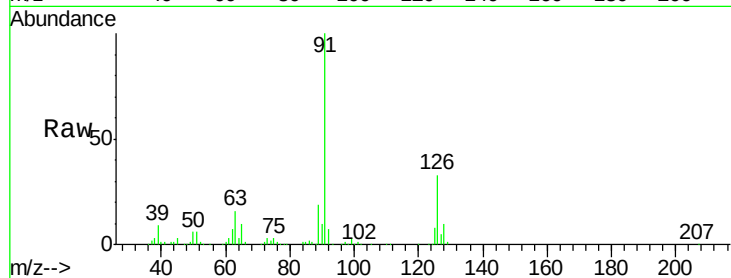
126 32.4 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 58.861 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058402.D

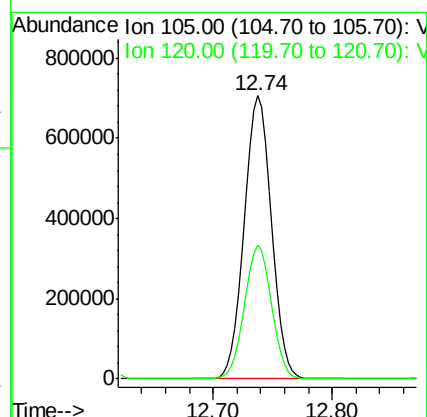
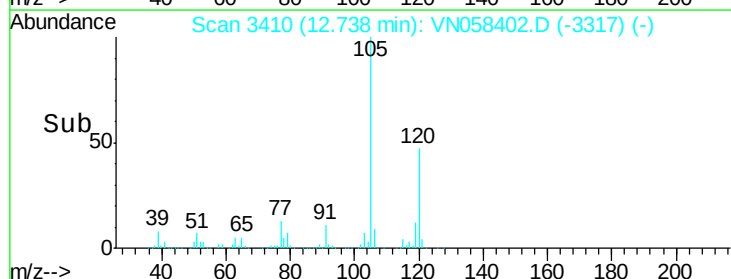
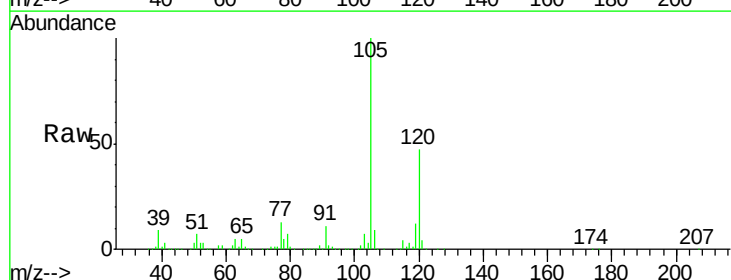
Acq: 27 Sep 2019 12:17

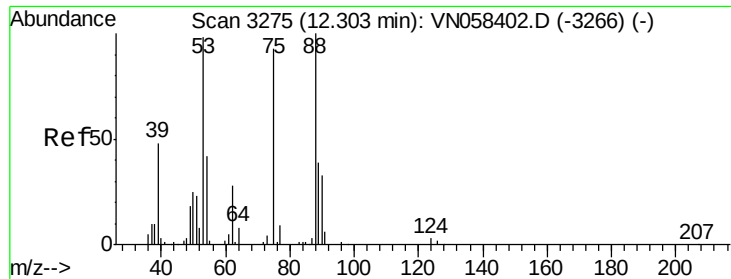
Tgt Ion: 105 Resp: 1117606

Ion Ratio Lower Upper

105 100

120 47.1 23.5 70.6





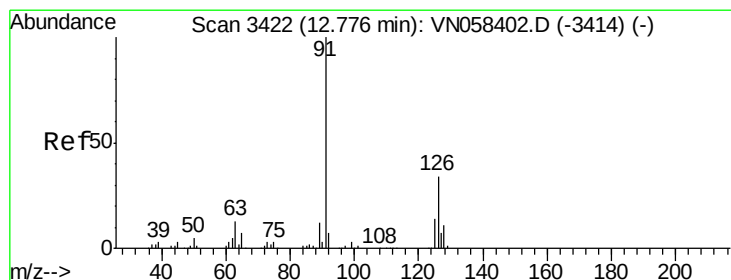
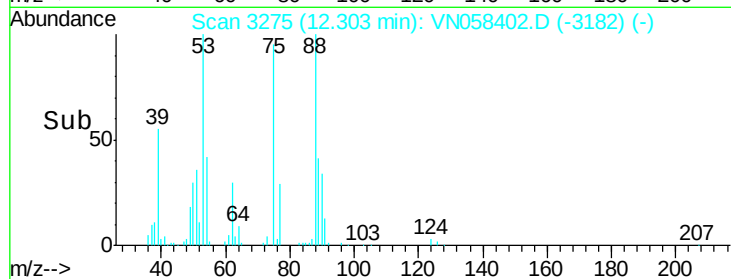
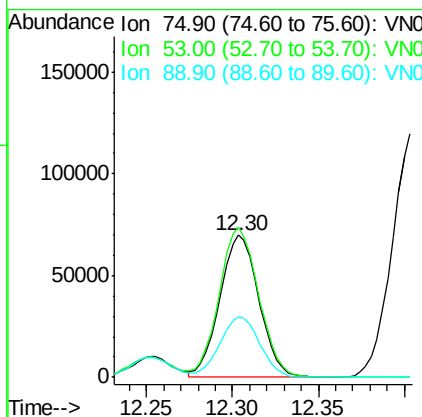
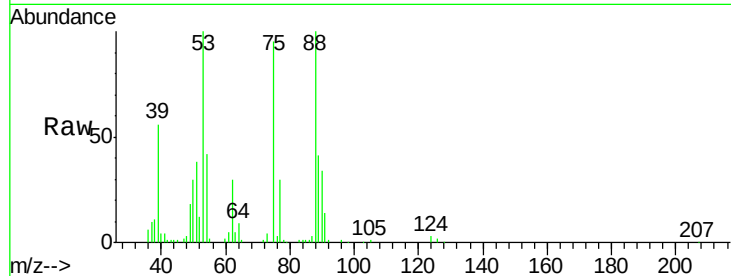
#81
trans-1,4-Dichloro-2-butene
Concen: 57.121 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.7	85.4	128.0
89	43.7	35.0	52.4

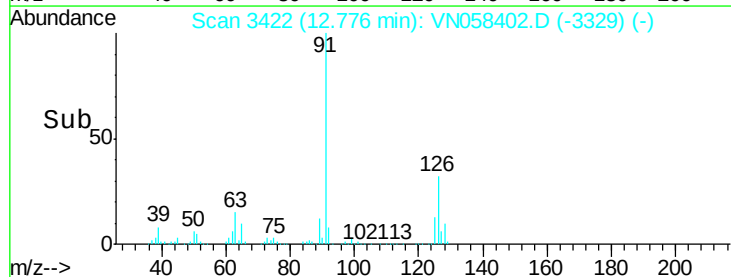
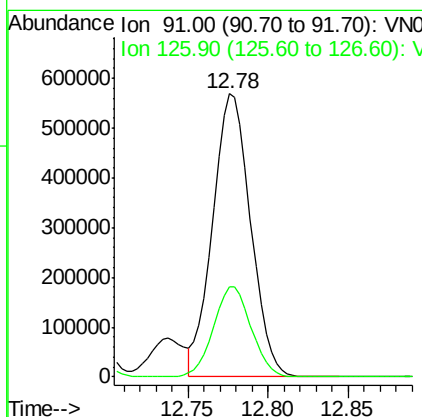
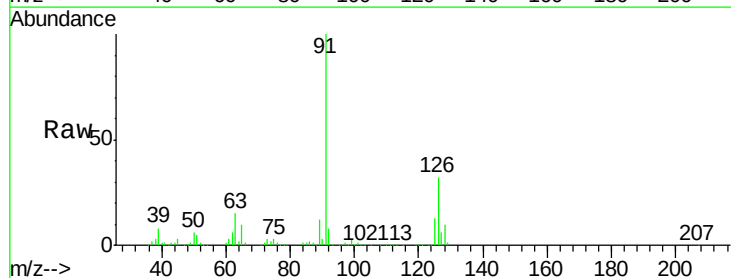
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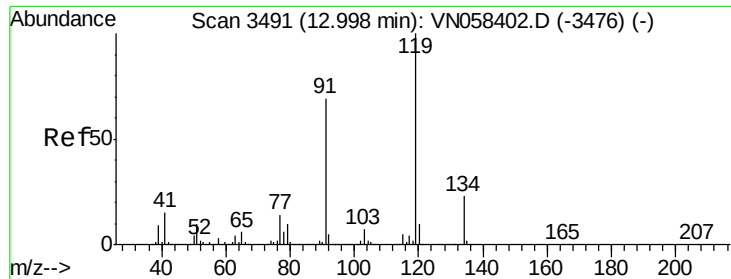
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#82
4-Chlorotoluene
Concen: 55.685 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058402.D
Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7





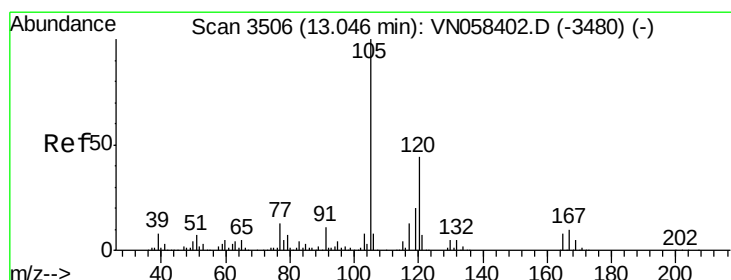
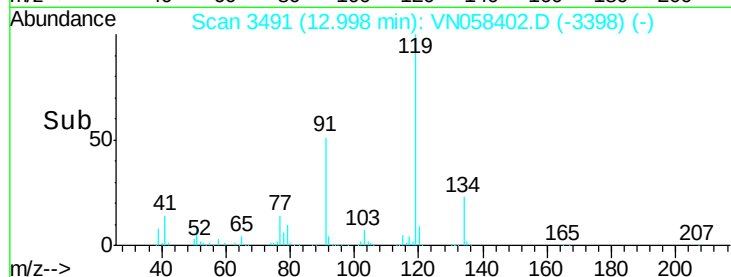
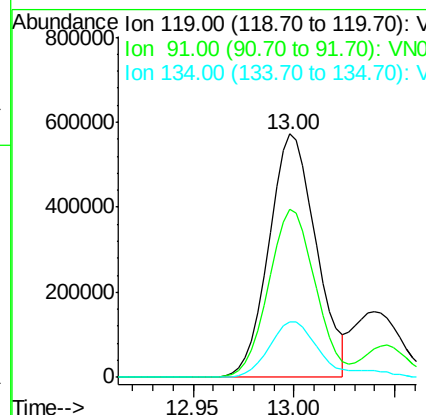
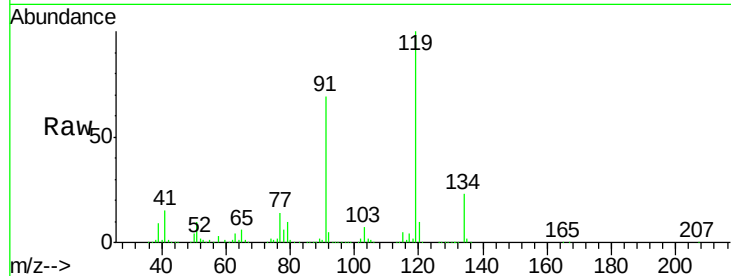
#83
 tert-Butylbenzene
 Concen: 55.481 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.2	102.6
134	23.2	11.6	34.8

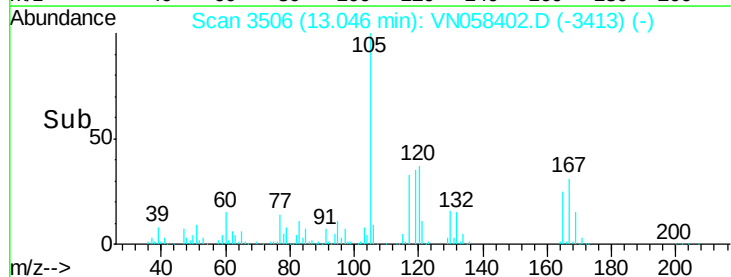
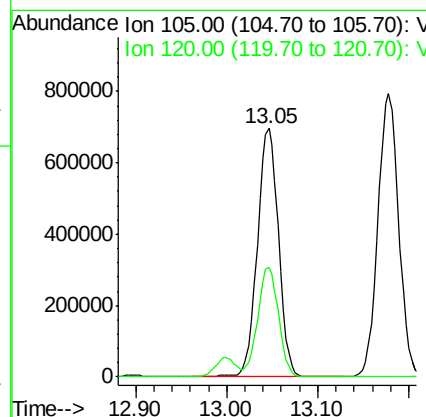
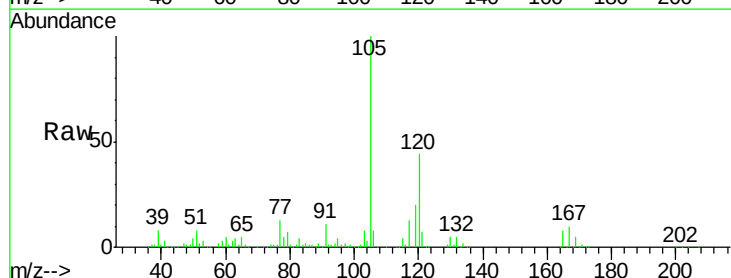
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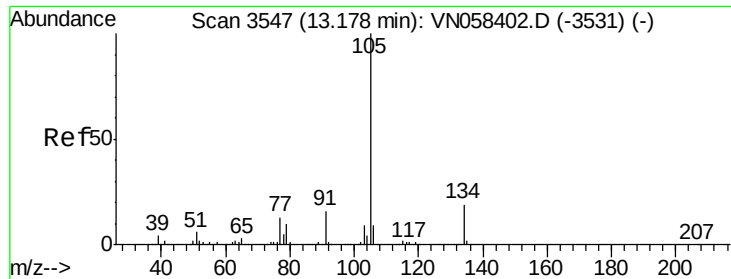
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 9/30/2019 10:18:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 59.225 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.7	65.1





#85

sec-Butylbenzene

Concen: 57.059 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1251206

Ion Ratio Lower Upper

105 100

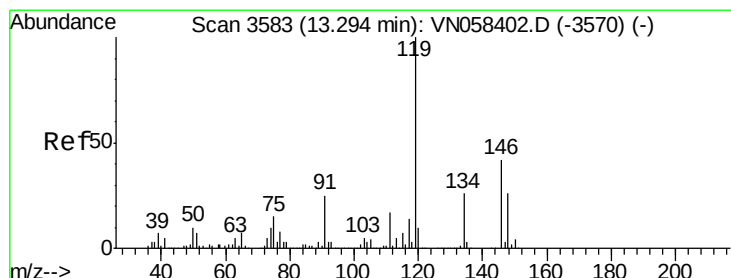
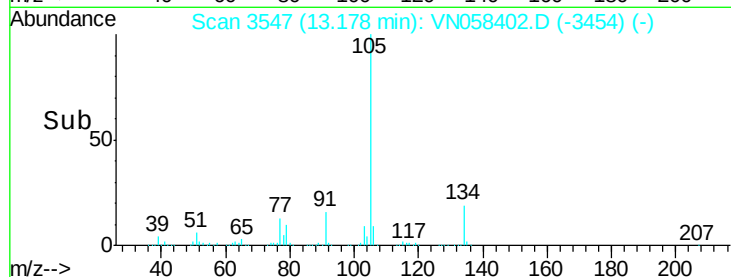
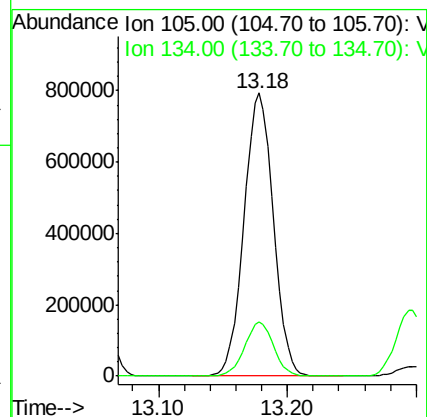
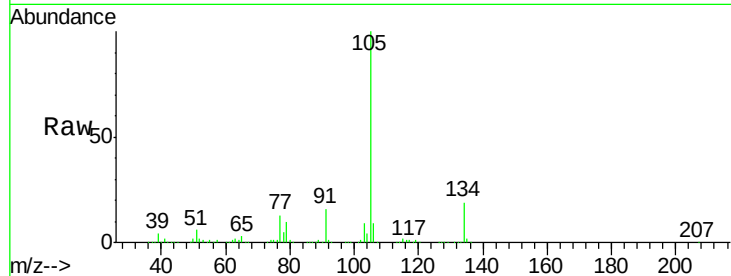
134 18.8 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 57.362 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

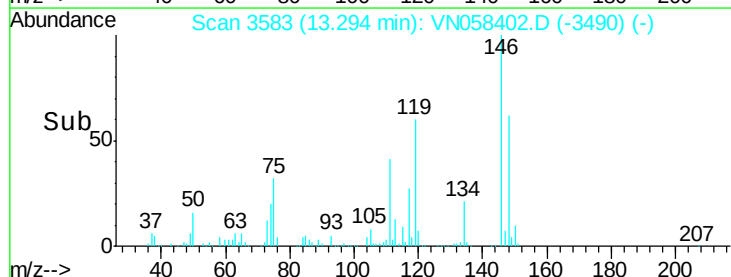
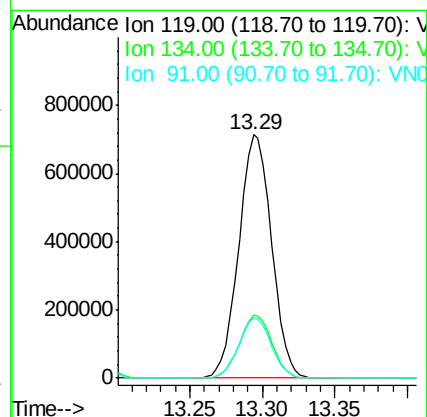
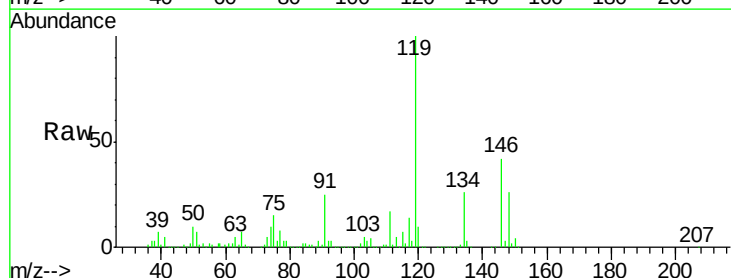
Tgt Ion:119 Resp: 1115797

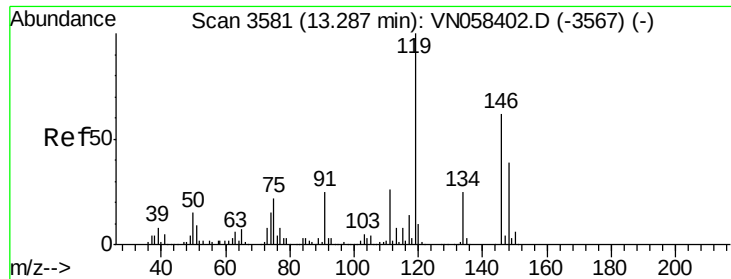
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.7 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 53.748 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

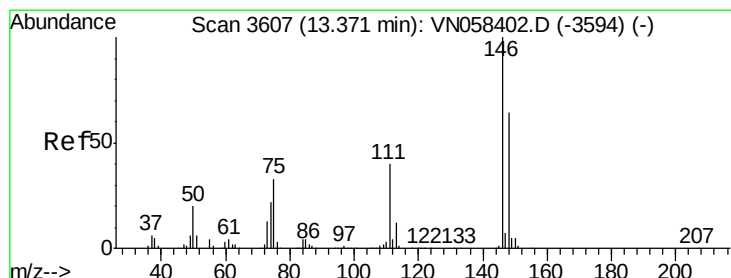
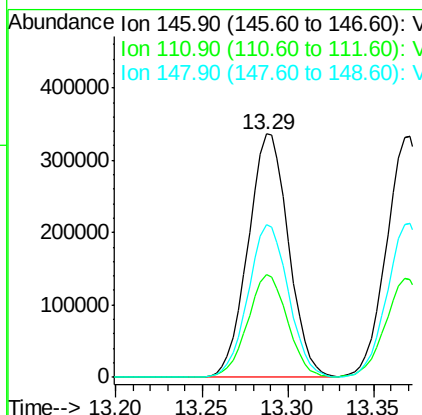
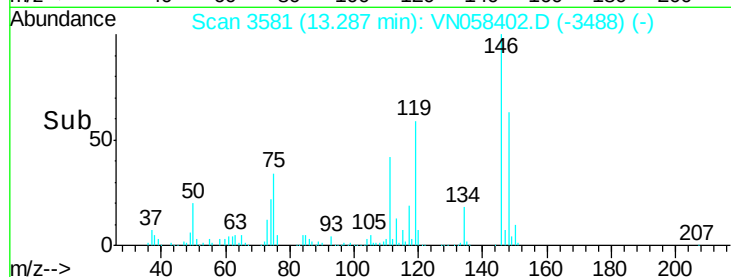
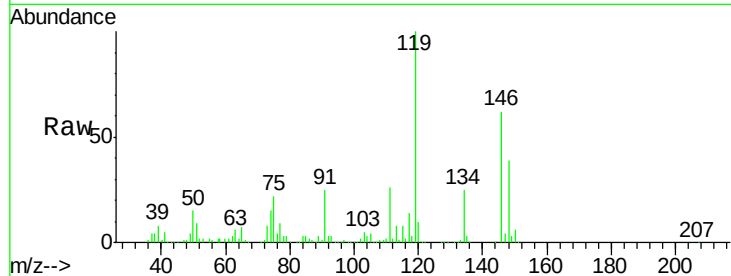
ClientSampled :

VSTDICCC050

Tot Ion:	146	Resp:	547475
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.8	62.4
148	62.9	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.790 ug/l

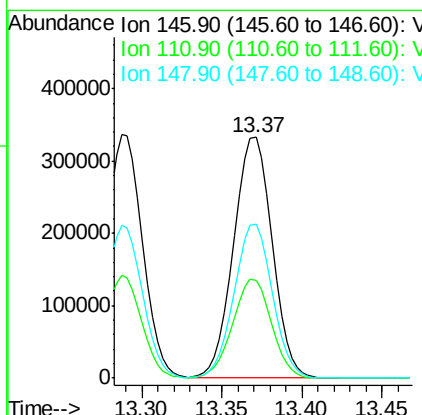
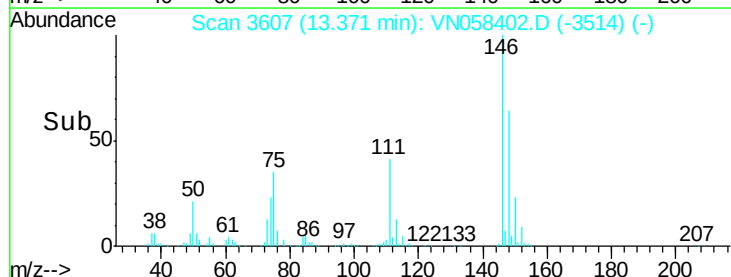
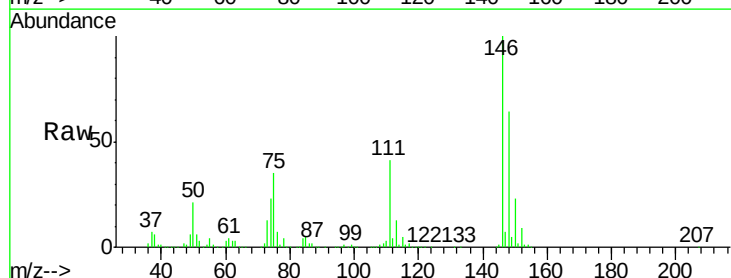
RT: 13.37 min Scan# 3607

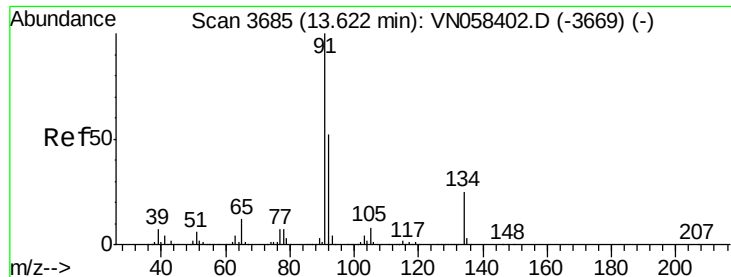
Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion:	146	Resp:	547372
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.5	61.6
148	63.0	31.5	94.5





#89

n-Butylbenzene

Concen: 54.124 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

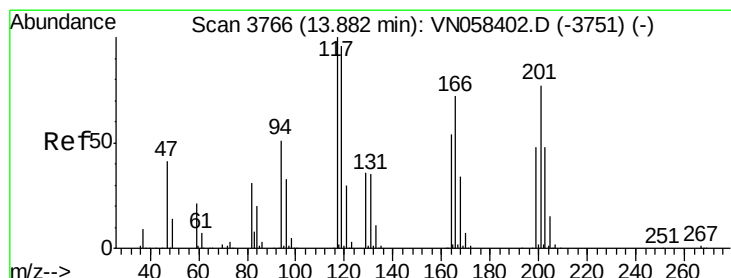
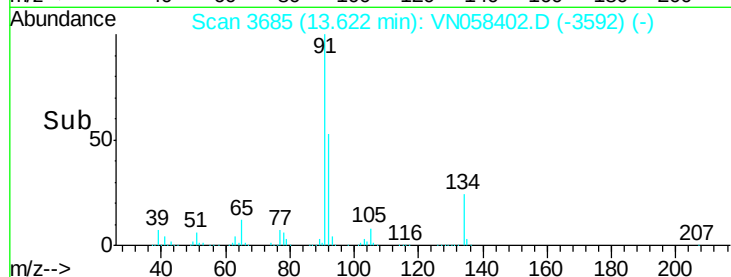
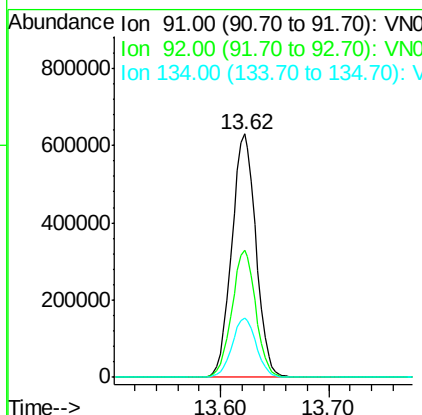
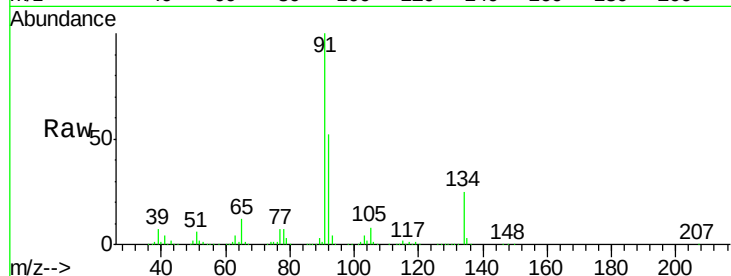
ClientSampleId :

VSTDICCC050

Tot Ion:	91	Resp:	984369
Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	24.4	12.2	36.6

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#90

Hexachloroethane

Concen: 56.882 ug/l

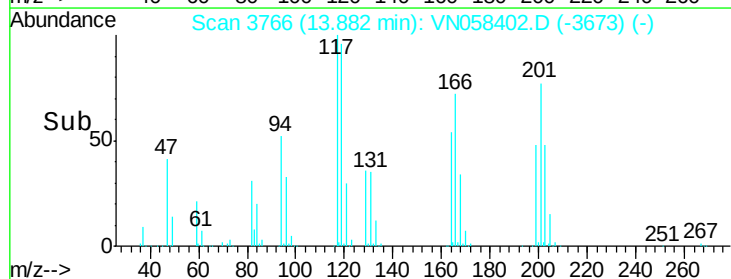
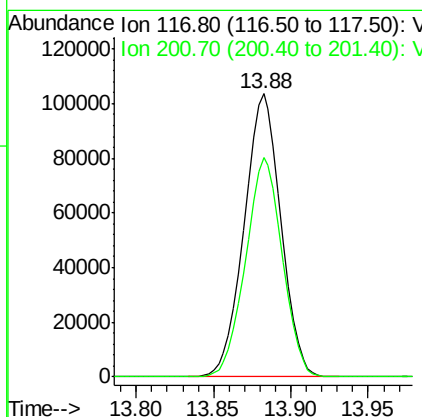
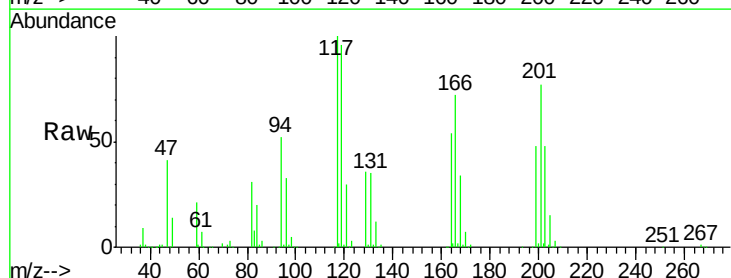
RT: 13.88 min Scan# 3766

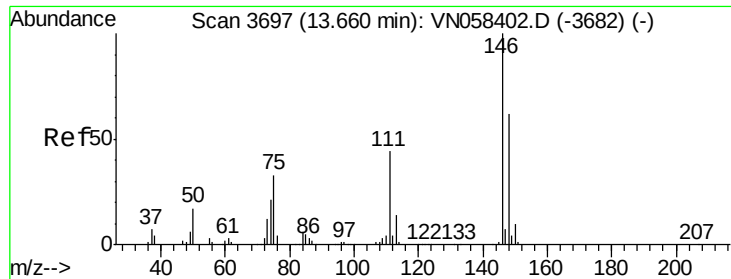
Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion:	117	Resp:	171300
Ion	Ratio	Lower	Upper
117	100		
201	77.3	38.6	116.0





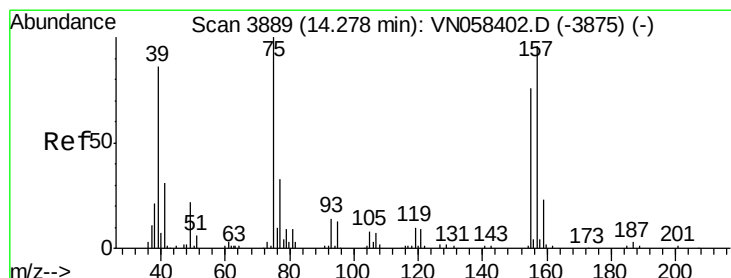
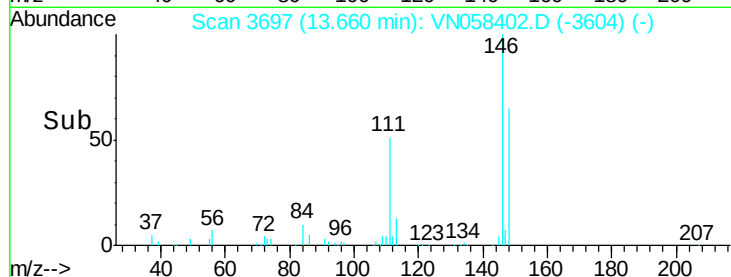
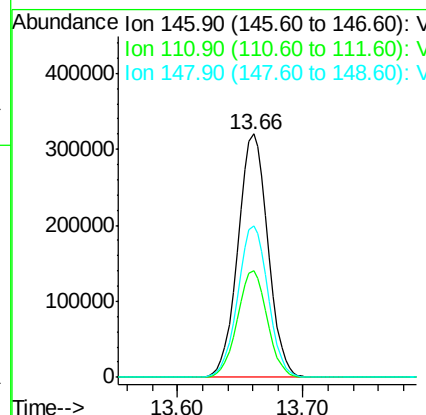
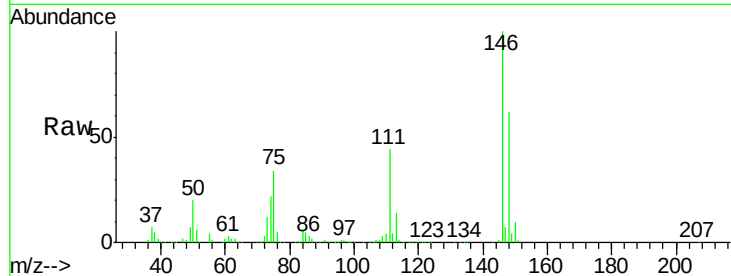
#91
 1,2-Dichlorobenzene
 Concen: 52.299 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.0	31.5	94.5

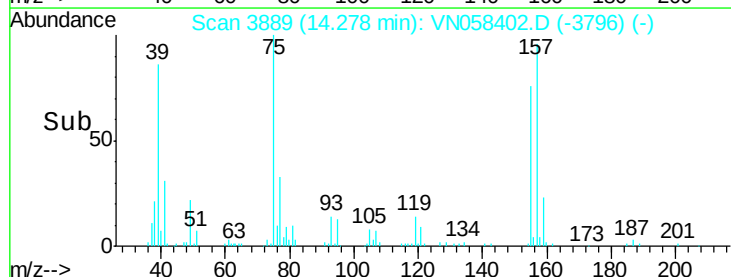
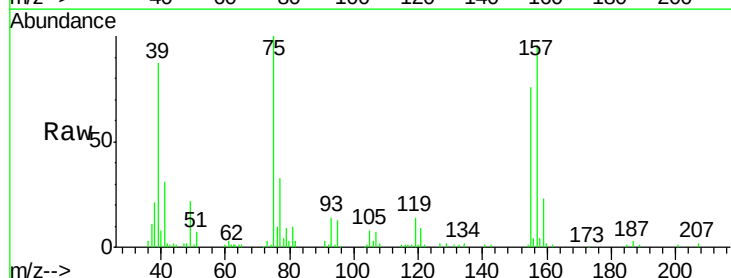
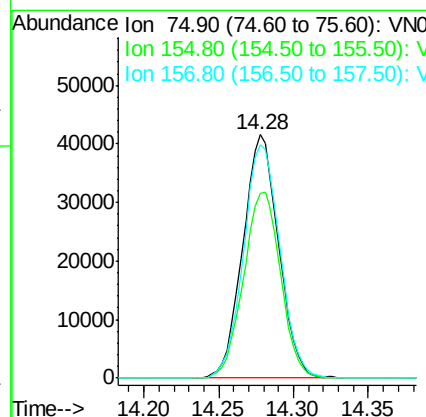
Manual Integrations
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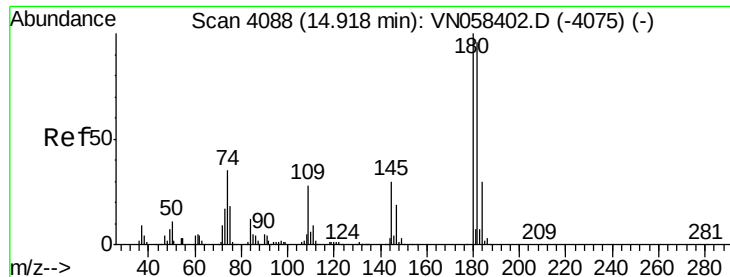
MMDadoda
 9/30/2019 10:18:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.484 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.2	117.6
157	97.4	48.7	146.1





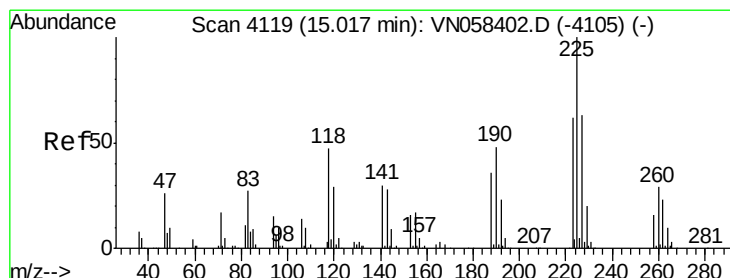
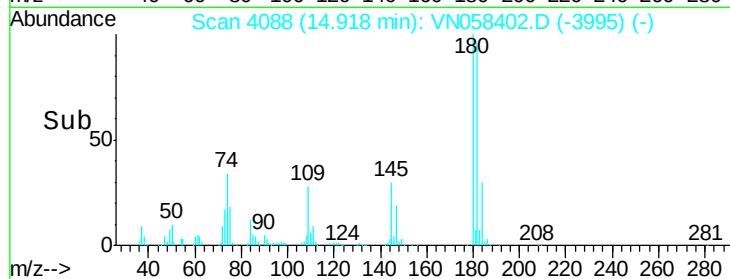
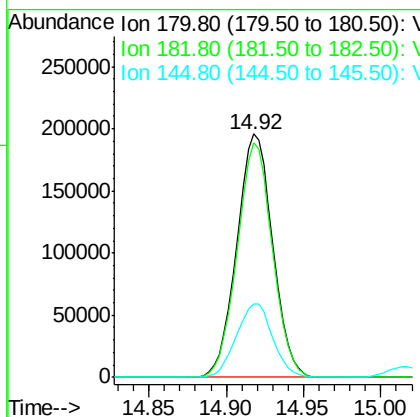
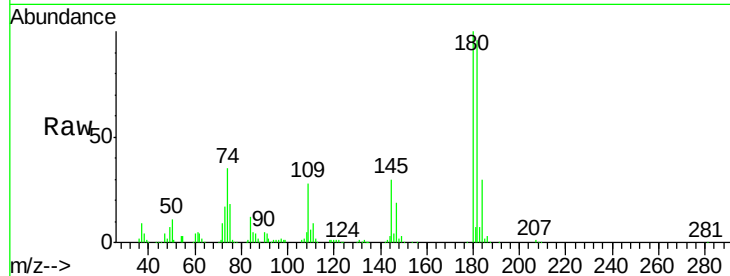
#93
 1,2,4-Trichlorobenzene
 Concen: 49.485 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	315389		
182	94.9	47.4	142.3	
145	30.6	15.3	45.9	

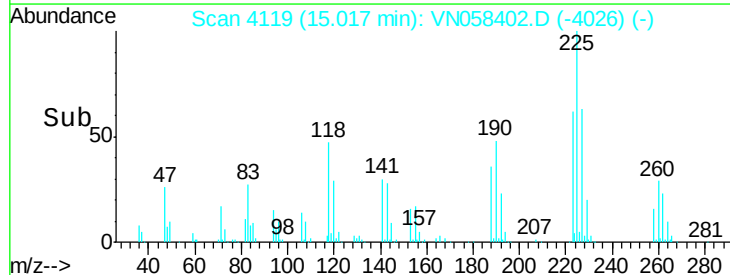
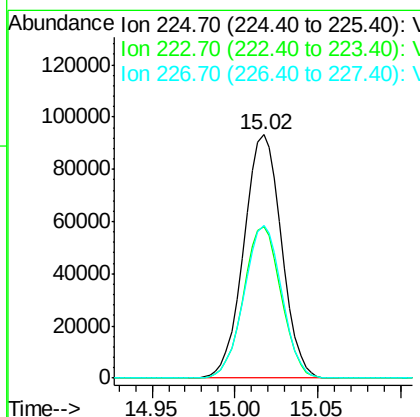
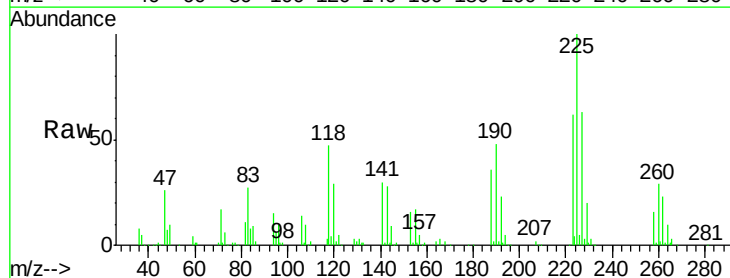
Manual Integrations
 APPROVED

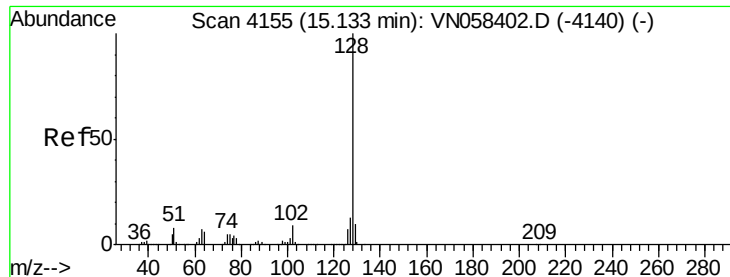
MMDadoda
 9/30/2019 10:18:36 AM



#94
 Hexachlorobutadiene
 Concen: 47.839 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058402.D
 Acq: 27 Sep 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147629		
223	62.3	31.1	93.5	
227	62.8	31.4	94.2	





#95

Naphthalene

Concen: 52.246 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Instrument :

MSVOA_N

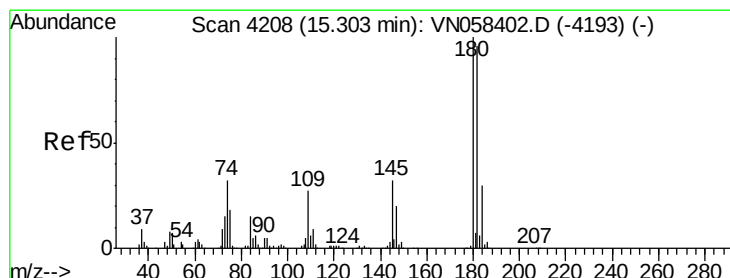
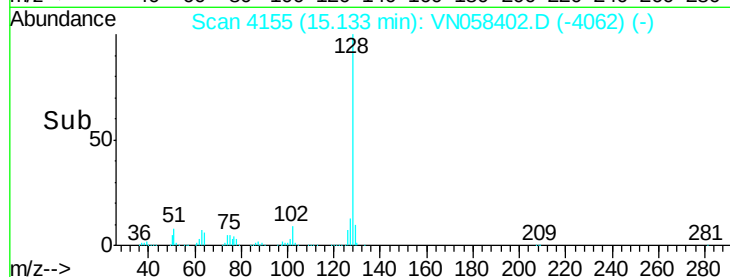
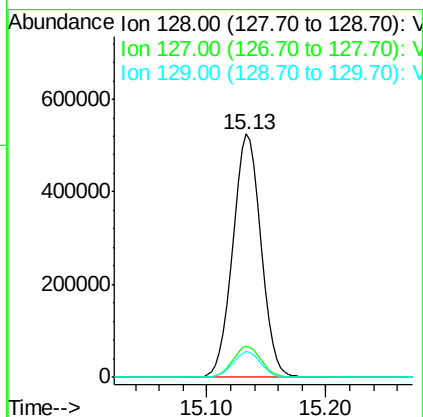
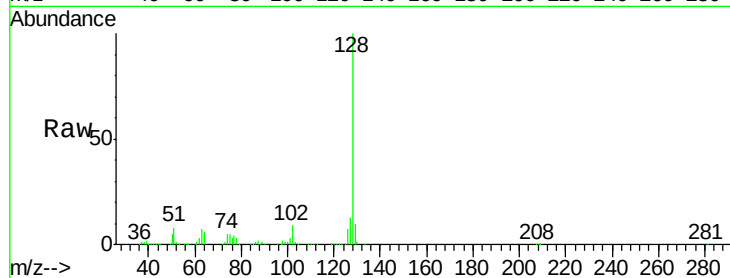
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	860991
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
9/30/2019 10:18:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.679 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058402.D

Acq: 27 Sep 2019 12:17

Tgt Ion:	180	Resp:	291403
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.3	144.9
145	32.2	16.1	48.3

