

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062339.D
 Acq On : 2 Jul 2020 17:41
 Operator : JC/MD
 Sample : VN0702WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Manual Integrations
 APPROVED

sam
 7/6/2020 11:34:05 AM

Quant Time: Jul 03 02:05:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	143000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	266721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	108878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	118412	59.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.02%	
35) Dibromofluoromethane	7.55	113	89577	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.06	98	357271	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.37	95	117128	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	26070	16.129	ug/l	98
3) Chloromethane	2.03	50	37464	18.854	ug/l	99
4) Vinyl Chloride	2.16	62	42859	16.838	ug/l	99
5) Bromomethane	2.53	94	28425	17.278	ug/l	89
6) Chloroethane	2.67	64	28549	16.418	ug/l	98
7) Trichlorofluoromethane	2.98	101	50889	16.225	ug/l	100
8) Diethyl Ether	3.37	74	22492	20.536	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	31233	19.016	ug/l	95
10) Methyl Iodide	3.91	142	34018	18.390	ug/l	99
11) Tert butyl alcohol	4.74	59	31867	110.600	ug/l	99
12) 1,1-Dichloroethene	3.70	96	30126	18.347	ug/l	94
13) Acrolein	3.57	56	20841	73.880	ug/l	97
14) Allyl chloride	4.27	41	47071	21.056	ug/l	98
15) Acrylonitrile	4.93	53	87121	110.960	ug/l	98
16) Acetone	3.77	43	76374	119.128	ug/l	95
17) Carbon Disulfide	4.01	76	83178	17.718	ug/l	99
18) Methyl Acetate	4.28	43	37894	23.754	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	106443	20.287	ug/l	93
20) Methylene Chloride	4.50	84	40043	21.613	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	33125	17.709	ug/l	95
22) Diisopropyl ether	5.90	45	108800	21.375	ug/l	97
23) Vinyl Acetate	5.84	43	440241	105.934	ug/l	97
24) 1,1-Dichloroethane	5.80	63	66544	20.302	ug/l	99
25) 2-Butanone	6.79	43	107329	109.421	ug/l	94
26) 2,2-Dichloropropane	6.78	77	54211	19.847	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	39335	18.688	ug/l	96
28) Bromochloromethane	7.15	49	28793	20.246	ug/l	88
29) Tetrahydrofuran	7.17	42	70456	109.655	ug/l	98
30) Chloroform	7.33	83	65347	19.595	ug/l	100
31) Cyclohexane	7.61	56	52032	18.767	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	53179	18.909	ug/l	96
36) 1,1-Dichloropropene	7.75	75	46777	17.448	ug/l	98
37) Ethyl Acetate	6.89	43	48066	21.652	ug/l	97
38) Carbon Tetrachloride	7.73	117	43173	17.081	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062339.D
 Acq On : 2 Jul 2020 17:41
 Operator : JC/MD
 Sample : VN0702WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0702WBS01

Manual Integrations
 APPROVED

sam
 7/6/2020 11:34:05 AM

Quant Time: Jul 03 02:05:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	49980	17.015	ug/l	95
40) Benzene	8.00	78	149012	18.236	ug/l	99
41) Methacrylonitrile	7.12	41	16479	16.012	ug/l #	85
42) 1,2-Dichloroethane	8.09	62	53531	19.390	ug/l	97
43) Isopropyl Acetate	8.13	43	74970	20.716	ug/l	98
44) Trichloroethene	8.80	130	34895	16.929	ug/l	98
45) 1,2-Dichloropropane	9.08	63	39831	19.758	ug/l	100
46) Dibromomethane	9.18	93	25462	18.629	ug/l	93
47) Bromodichloromethane	9.37	83	50578	18.327	ug/l	96
48) Methyl methacrylate	9.17	41	32399	19.967	ug/l	96
49) 1,4-Dioxane	9.17	88	14364	399.182	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	227903	107.787	ug/l	96
52) Toluene	10.12	92	91369	18.326	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	56040	18.457	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	61654	19.073	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	37295	19.029	ug/l	95
56) Ethyl methacrylate	10.40	69	50427	19.280	ug/l	97
57) 1,3-Dichloropropane	10.68	76	64070	18.993	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	102042	101.835	ug/l	96
59) 2-Hexanone	10.72	43	160559	105.162	ug/l	97
60) Dibromochloromethane	10.87	129	36391	17.538	ug/l	99
61) 1,2-Dibromoethane	10.98	107	35946	17.850	ug/l	100
64) Tetrachloroethene	10.60	164	26066	15.377	ug/l	95
65) Chlorobenzene	11.41	112	94880	17.411	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	33400	17.724	ug/l	99
67) Ethyl Benzene	11.48	91	164799	17.906	ug/l	98
68) m/p-Xylenes	11.60	106	124834	35.068	ug/l	98
69) o-Xylene	11.92	106	58779	17.500	ug/l	96
70) Styrene	11.94	104	99369	17.740	ug/l	99
71) Bromoform	12.10	173	22367	16.694	ug/l #	99
73) Isopropylbenzene	12.22	105	156002	18.510	ug/l	98
74) N-amyl acetate	12.05	43	58426	20.916	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	56353	20.093	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	50953m	19.880	ug/l	
77) Bromobenzene	12.50	156	36318	17.357	ug/l	88
78) n-propylbenzene	12.57	91	181665	18.844	ug/l	99
79) 2-Chlorotoluene	12.65	91	108966	18.697	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	127790	18.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	16853	19.202	ug/l	93
82) 4-Chlorotoluene	12.75	91	112560	18.676	ug/l	97
83) tert-Butylbenzene	12.97	119	106147	18.154	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	127232	18.646	ug/l	100
85) sec-Butylbenzene	13.15	105	145384	18.817	ug/l	99
86) p-Isopropyltoluene	13.26	119	122942	18.162	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	63841	17.375	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	63602	16.793	ug/l	98
89) n-Butylbenzene	13.59	91	96796	17.200	ug/l	99
90) Hexachloroethane	13.85	117	25366	19.100	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	64159	18.007	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8885	19.776	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
Data File : VN062339.D
Acq On : 2 Jul 2020 17:41
Operator : JC/MD
Sample : VN0702WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

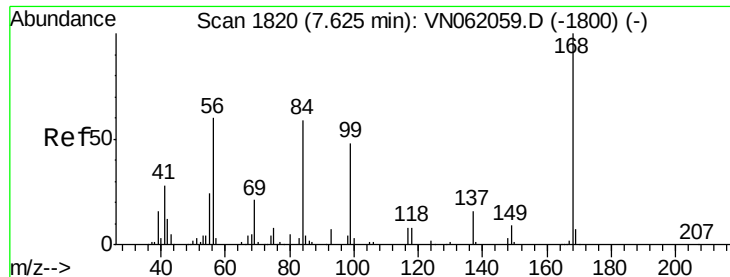
Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM

Quant Time: Jul 03 02:05:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	24687	15.861	ug/l	95
94) Hexachlorobutadiene	14.98	225	11974	17.712	ug/l	97
95) Naphthalene	15.10	128	69416	16.302	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	25057	15.744	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBS01

Tot Ion:168 Resp: 143000

Ion Ratio Lower Upper

168 100

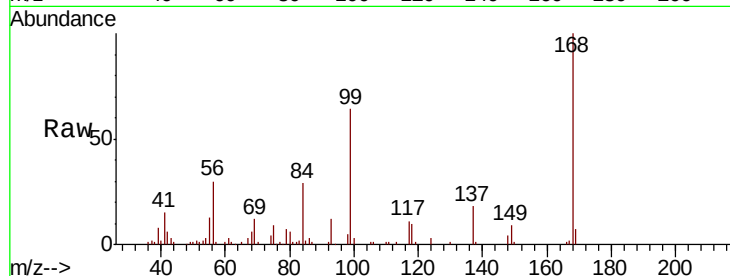
99 63.7 45.8 68.8

Manual Integrations

APPROVED

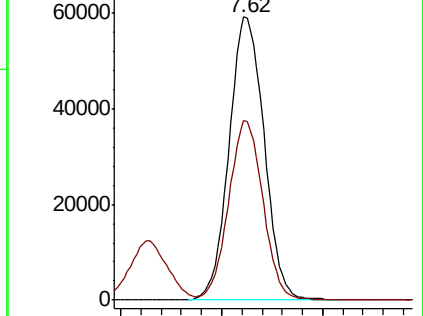
sam

7/6/2020 11:34:05 AM

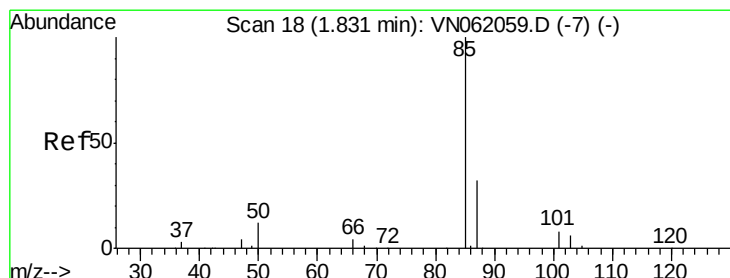
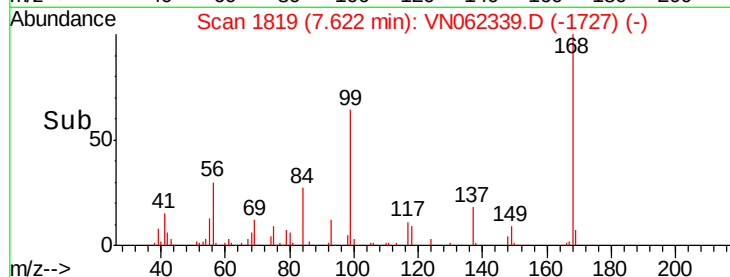


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



Time-->



#2

Dichlorodifluoromethane

Concen: 16.129 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062339.D

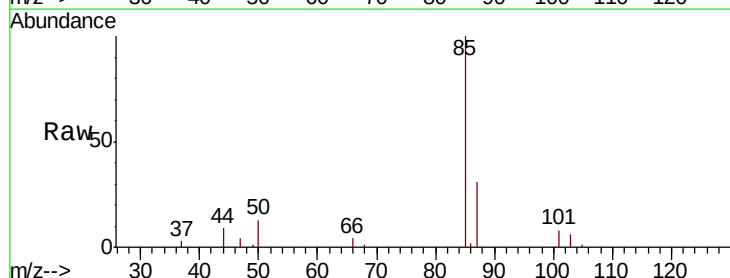
Acq: 2 Jul 2020 17:41

Tgt Ion: 85 Resp: 26070

Ion Ratio Lower Upper

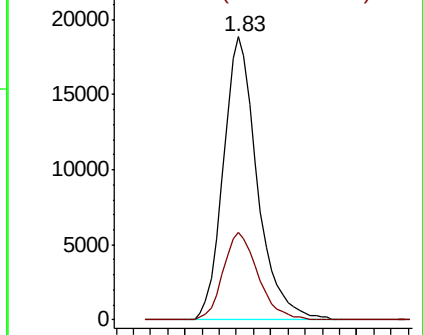
85 100

87 30.8 15.9 47.7

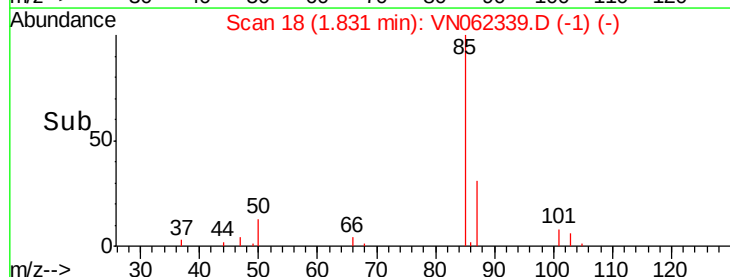


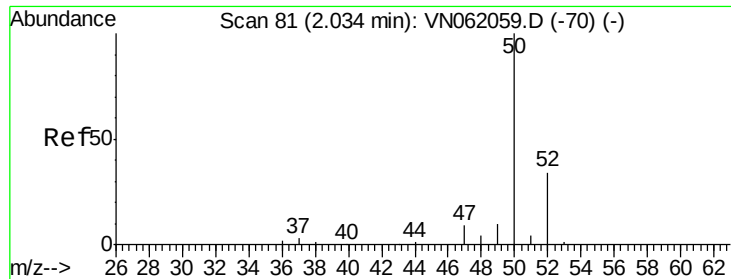
Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN



Time-->





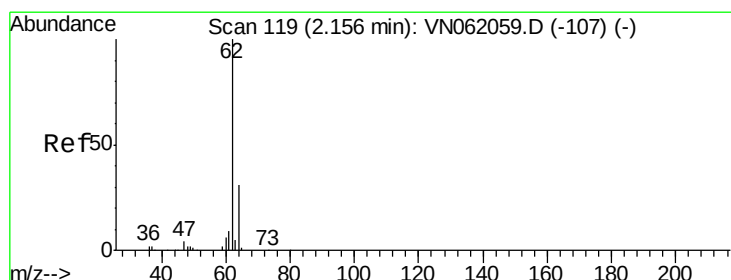
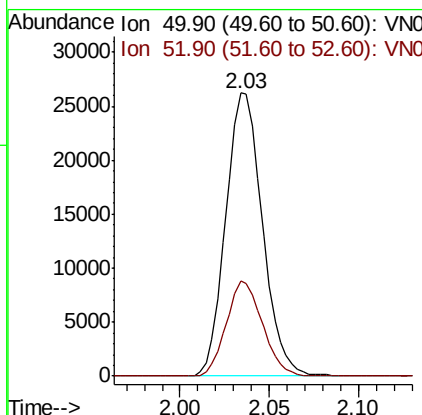
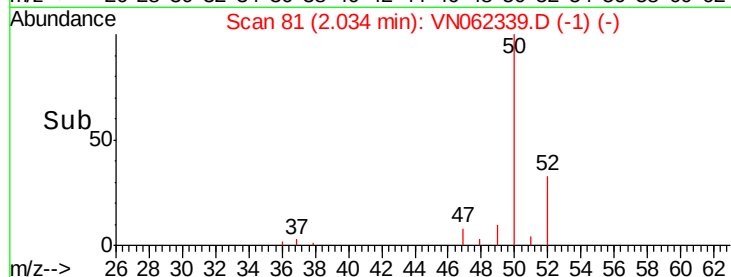
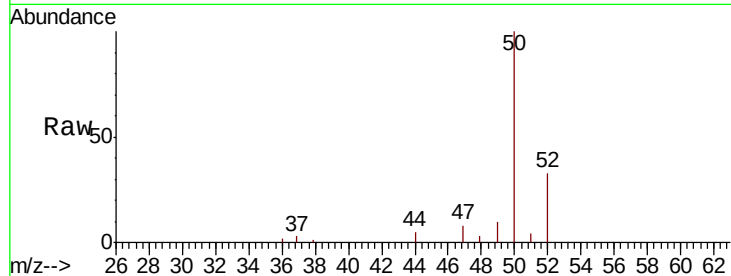
#3
Chloromethane
Concen: 18.854 ug/l
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.4	27.0	40.6

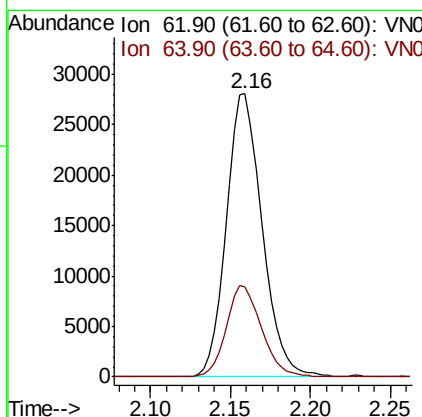
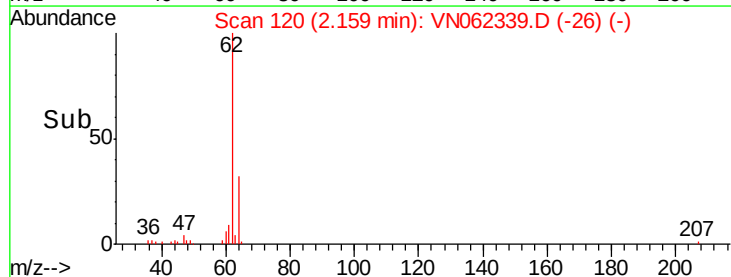
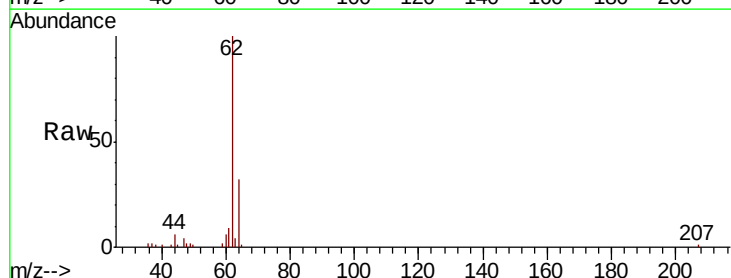
Manual Integrations
APPROVED

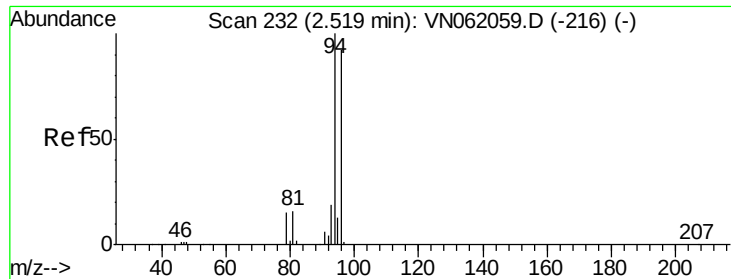
sam
7/6/2020 11:34:05 AM



#4
Vinyl Chloride
Concen: 16.838 ug/l
RT: 2.16 min Scan# 120
Delta R.T. 0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.1	37.7





#5

Bromomethane

Concen: 17.278 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion: 94 Resp: 28425

Ion Ratio Lower Upper

94 100

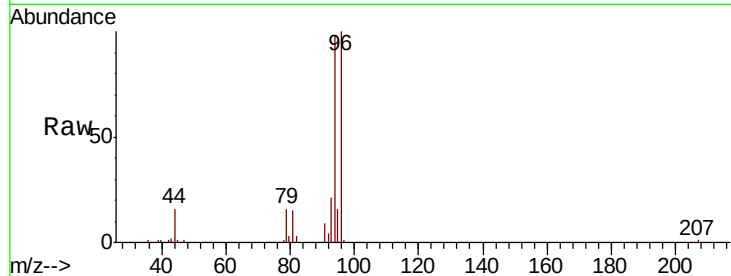
96 102.0 73.4 110.2

Manual Integrations

APPROVED

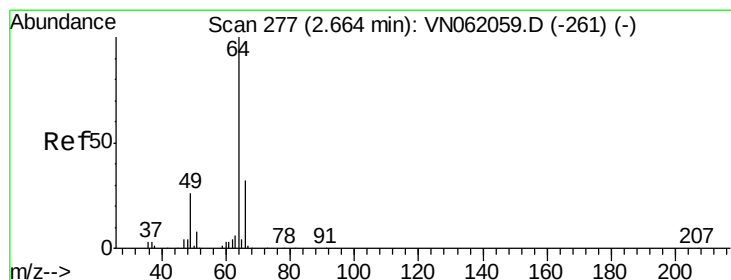
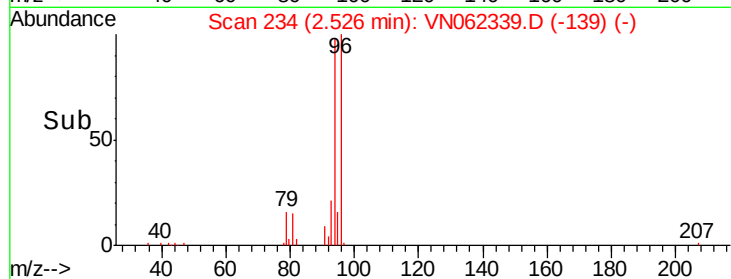
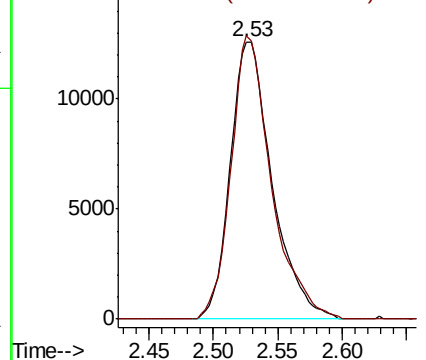
sam

7/6/2020 11:34:05 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.418 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062339.D

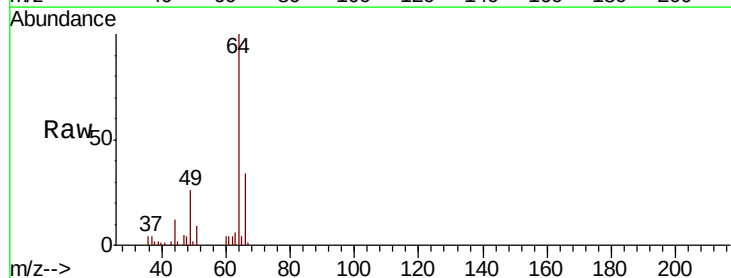
Acq: 2 Jul 2020 17:41

Tgt Ion: 64 Resp: 28549

Ion Ratio Lower Upper

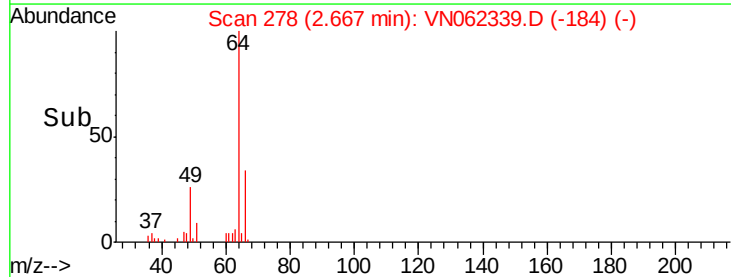
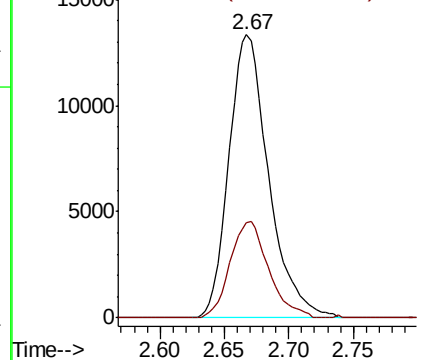
64 100

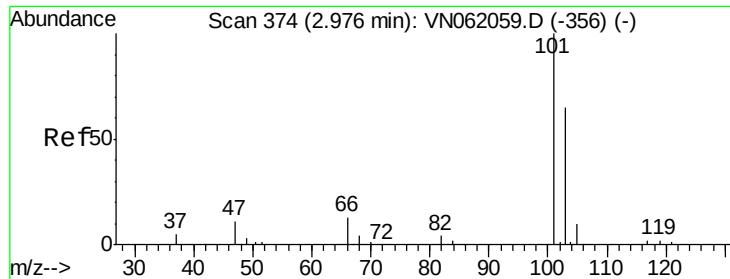
66 33.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

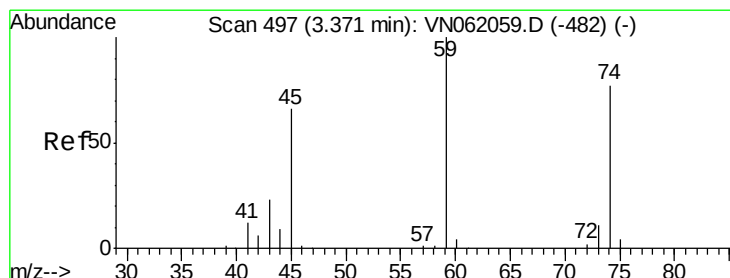
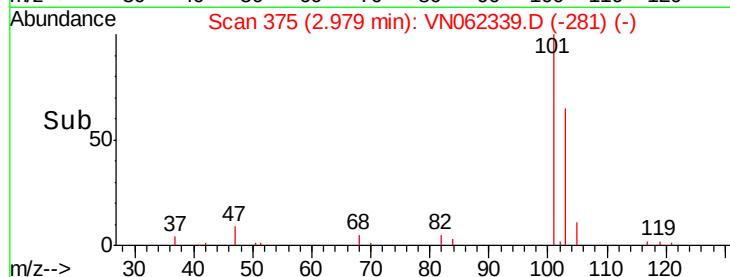
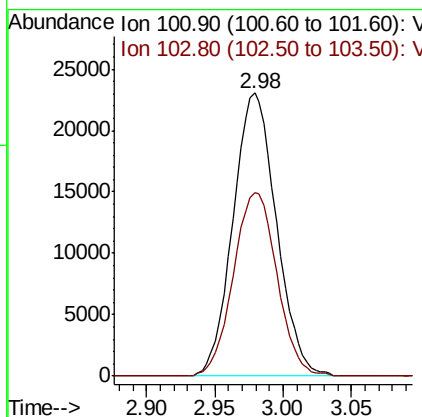
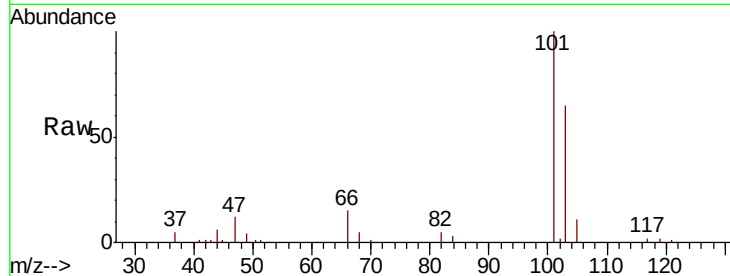
Trichlorofluoromethane
 Concen: 16.225 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.8	77.6

Manual Integrations
 APPROVED

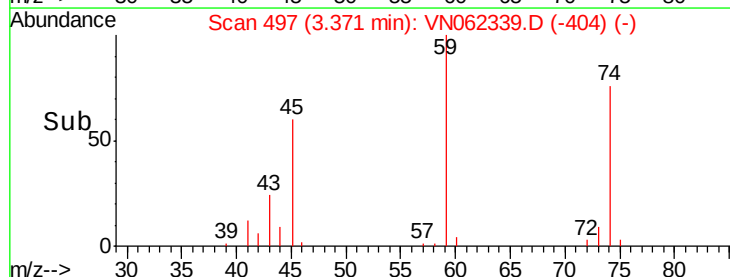
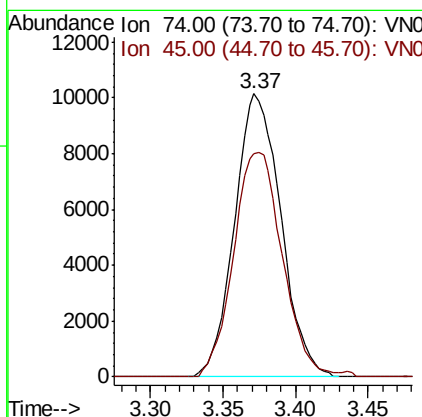
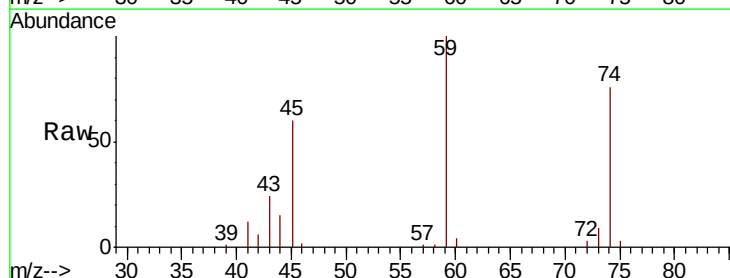
sam
 7/6/2020 11:34:05 AM

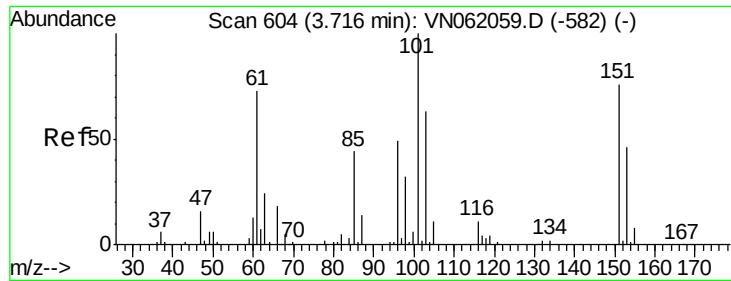


#8

Diethyl Ether
 Concen: 20.536 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.4	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.016 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

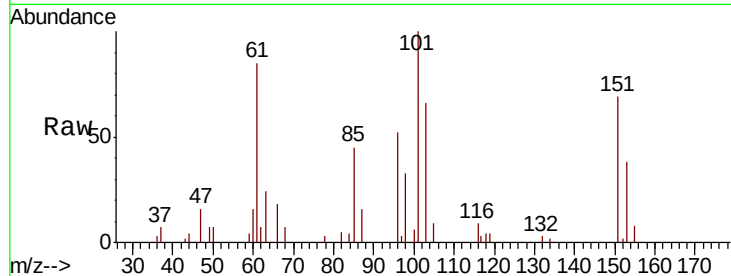
ClientSampled :

VN0702WBS01

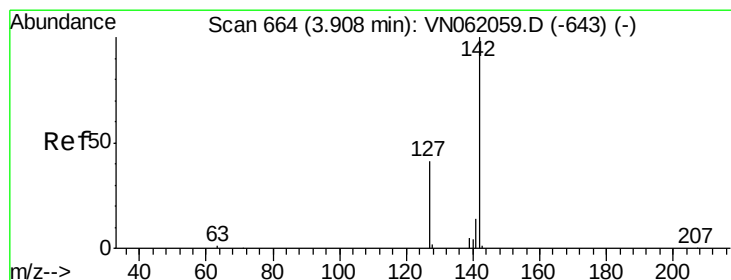
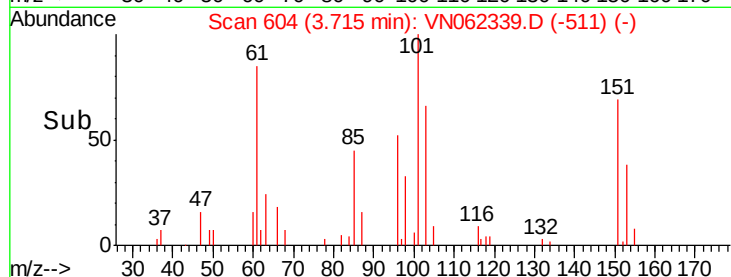
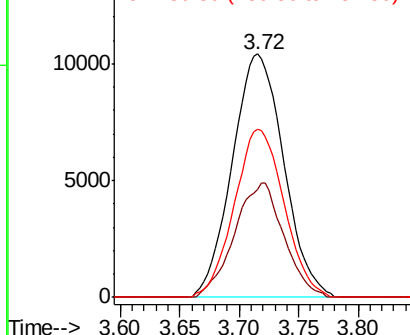
Tot Ion:	101	Resp:	31233
Ion Ratio	Lower	Upper	
101	100		
85	44.9	34.5	51.7
151	66.9	57.8	86.8

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



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



#10

Methyl Iodide

Concen: 18.390 ug/l

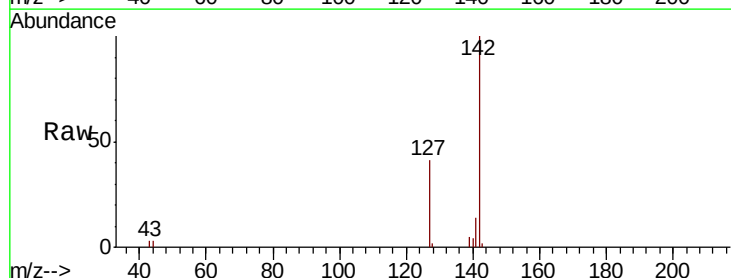
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

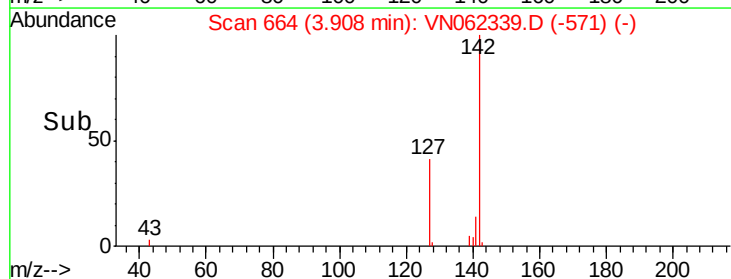
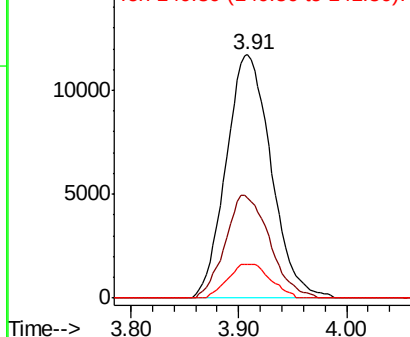
Lab File: VN062339.D

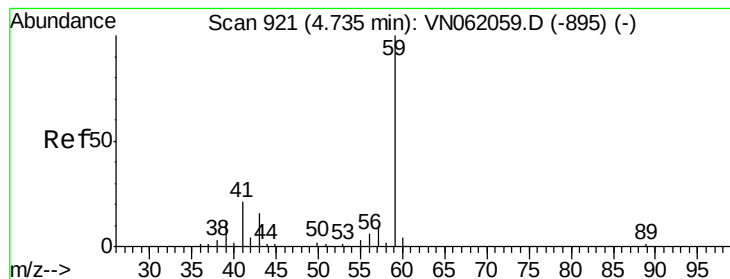
Acq: 2 Jul 2020 17:41

Tgt Ion:	142	Resp:	34018
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.6	50.4
141	13.2	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

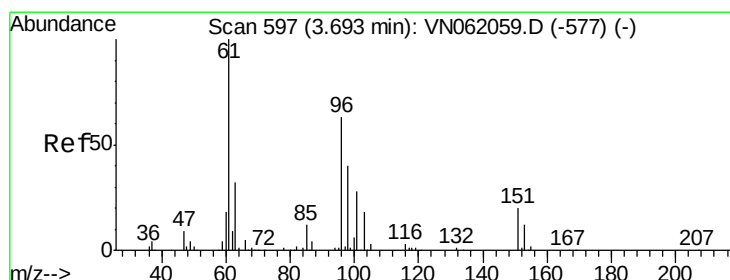
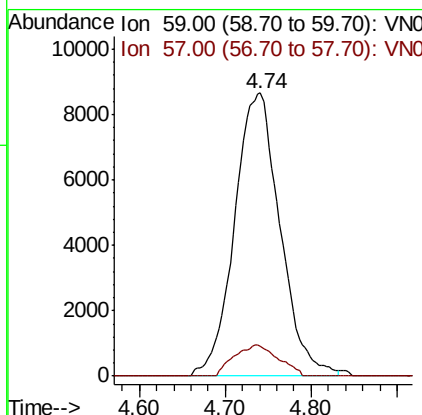
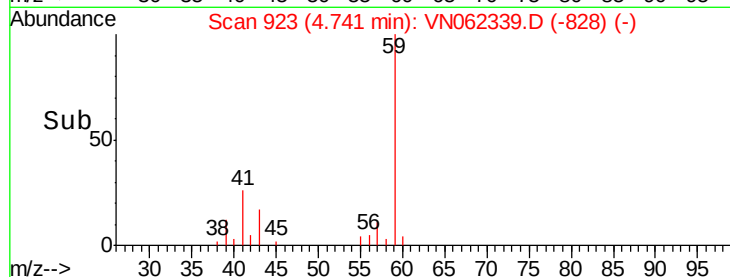
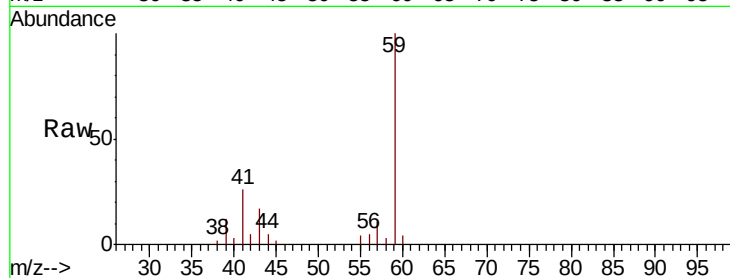
Tert butyl alcohol
Concen: 110.600 ug/l
RT: 4.74 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	59	57	Ratio	100	10.6	Resp	Lower	Upper
31867								
							8.3	12.5

Manual Integrations
APPROVED

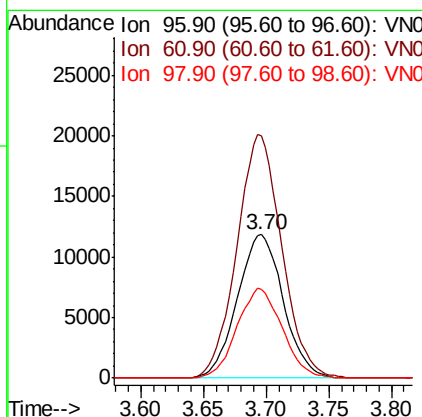
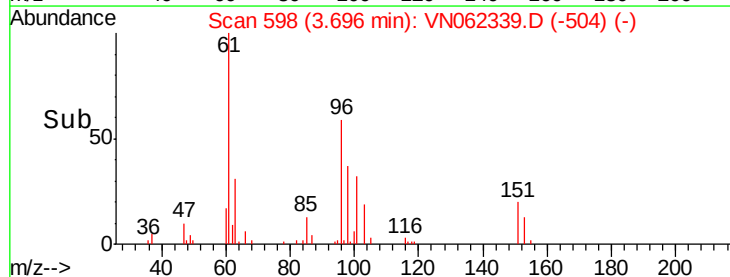
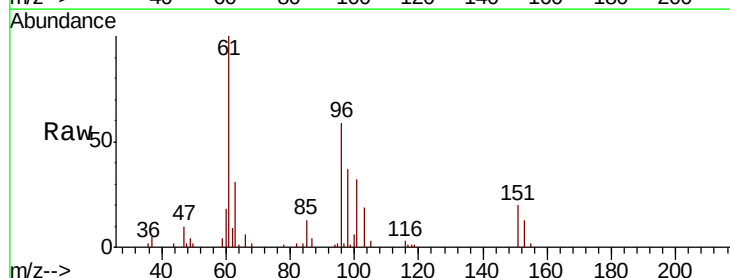
sam
7/6/2020 11:34:05 AM

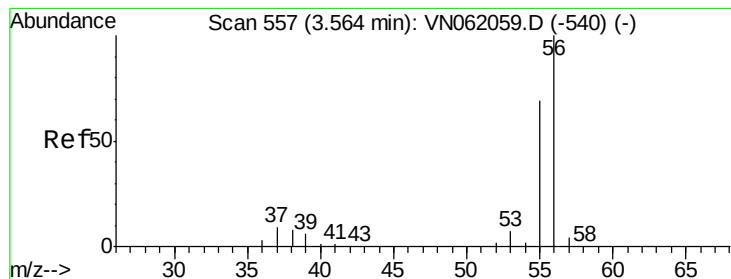


#12

1,1-Dichloroethene
Concen: 18.347 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	96	61	98	Ratio	100	169.1	61.9	Resp	Lower	Upper
30126										
									126.7	190.1
									51.0	76.4





#13

Acrolein

Concen: 73.880 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.01 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion: 56 Resp: 20841

Ion Ratio Lower Upper

56 100

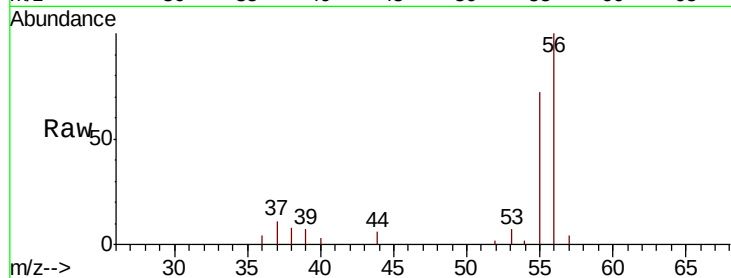
55 71.6 55.5 83.3

Manual Integrations

APPROVED

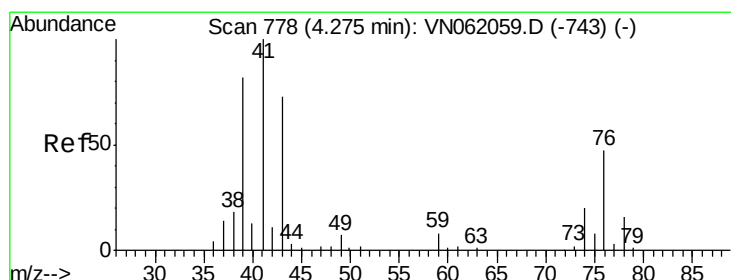
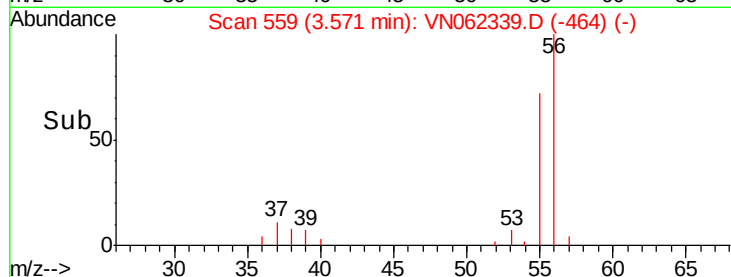
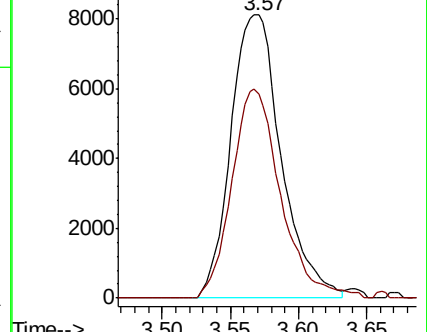
sam

7/6/2020 11:34:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN062059.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN062059.D (-540) (-)



#14

Allyl chloride

Concen: 21.056 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

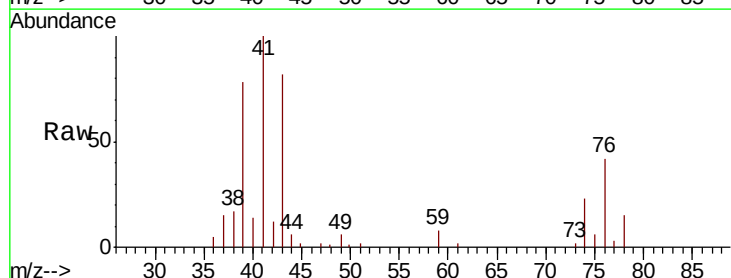
Tgt Ion: 41 Resp: 47071

Ion Ratio Lower Upper

41 100

39 74.0 60.0 90.0

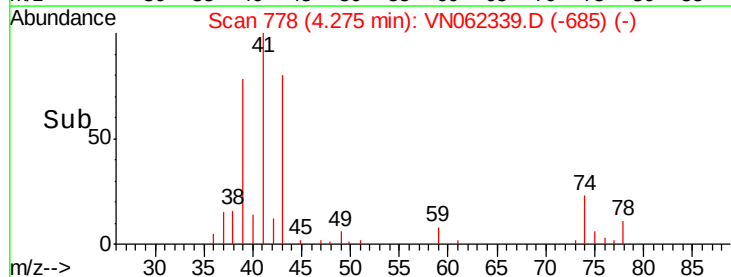
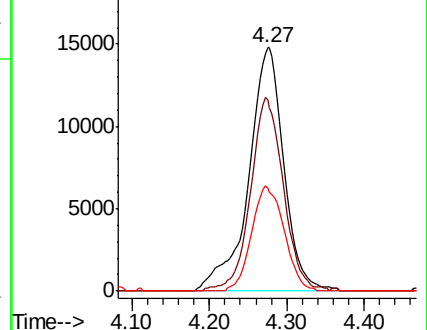
76 39.8 34.1 51.1

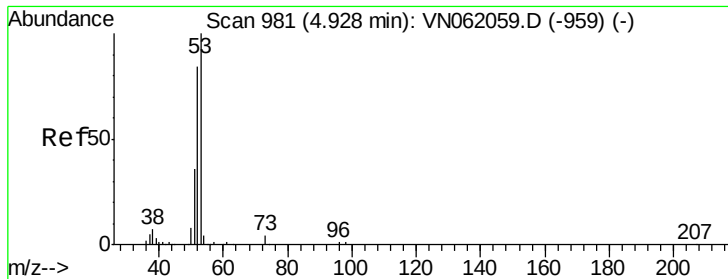


Abundance Ion 41.00 (40.70 to 41.70): VN062059.D (-743) (-)

Ion 39.00 (38.70 to 39.70): VN062059.D (-743) (-)

Ion 75.90 (75.60 to 76.60): VN062059.D (-743) (-)





#15

Acrylonitrile

Concen: 110.960 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

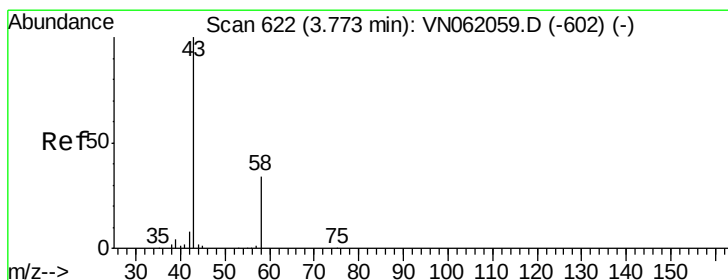
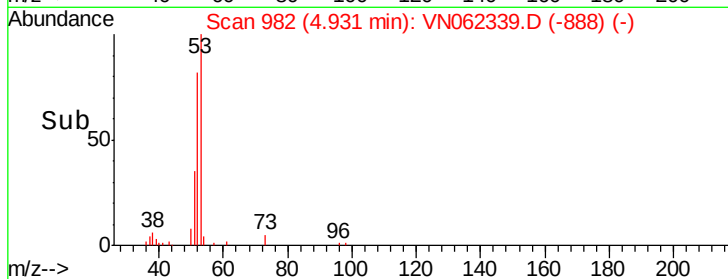
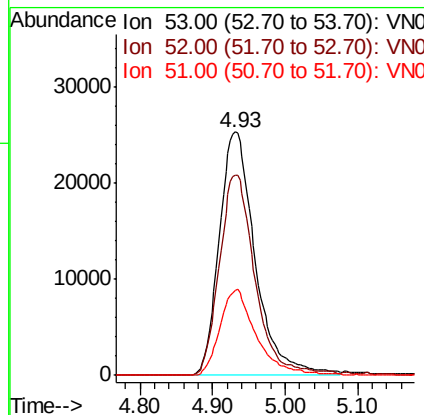
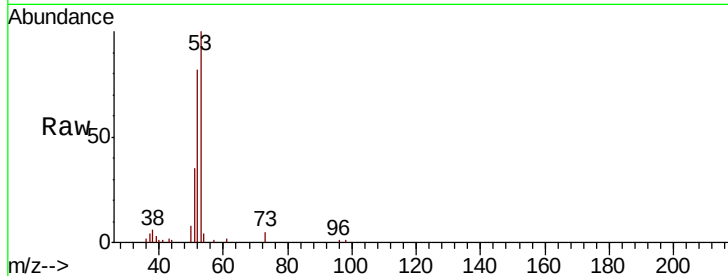
ClientSampled :

VN0702WBS01

Tot Ion:	53	Resp:	87121
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.2	99.4
51	35.5	28.9	43.3

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



#16

Acetone

Concen: 119.128 ug/l

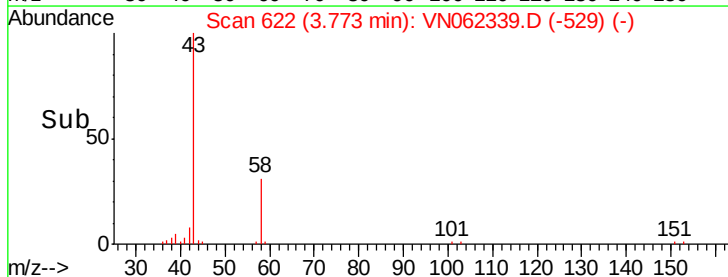
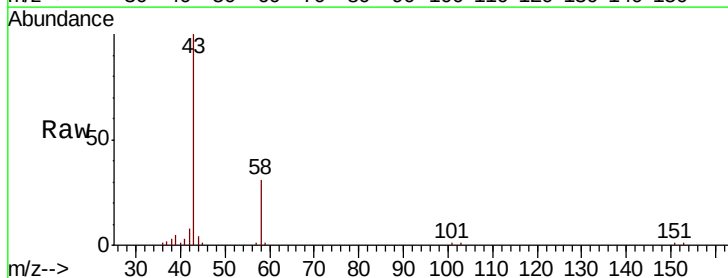
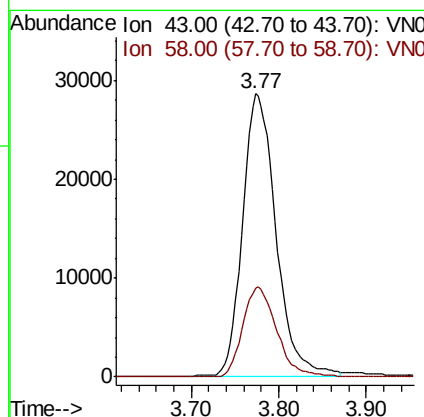
RT: 3.77 min Scan# 622

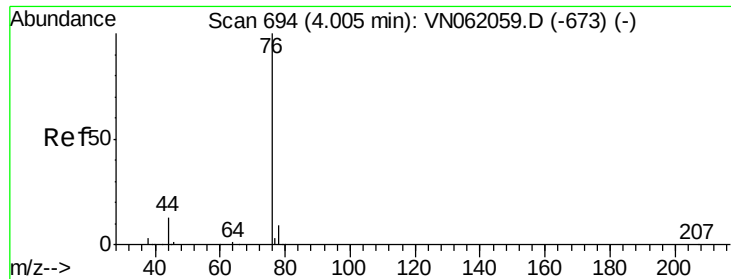
Delta R.T. 0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Tgt Ion:	43	Resp:	76374
Ion Ratio	Lower	Upper	
43	100		
58	31.4	27.5	41.3





#17

Carbon Disulfide

Concen: 17.718 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion: 76 Resp: 83178

Ion Ratio Lower Upper

76 100

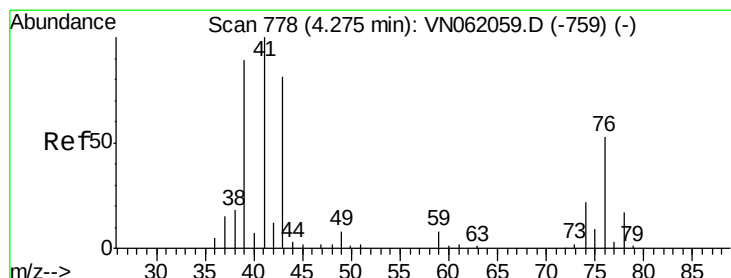
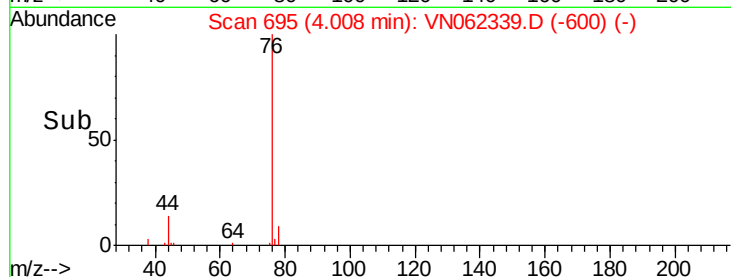
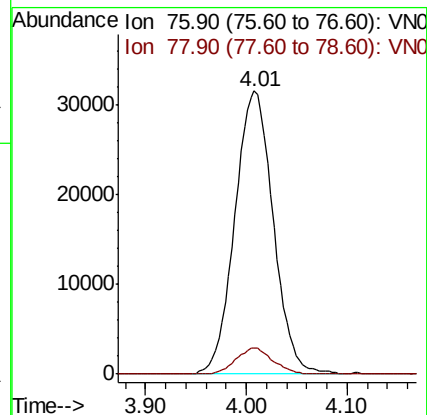
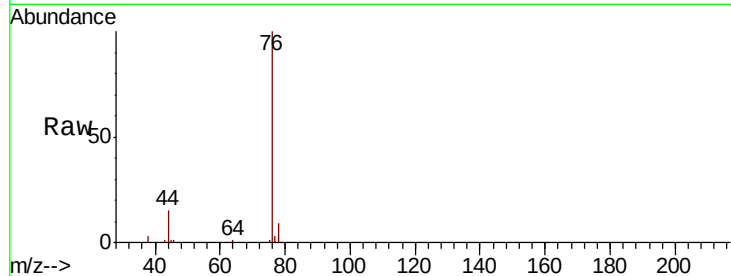
78 9.4 7.2 10.8

Manual Integrations

APPROVED

sam

7/6/2020 11:34:05 AM



#18

Methyl Acetate

Concen: 23.754 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN062339.D

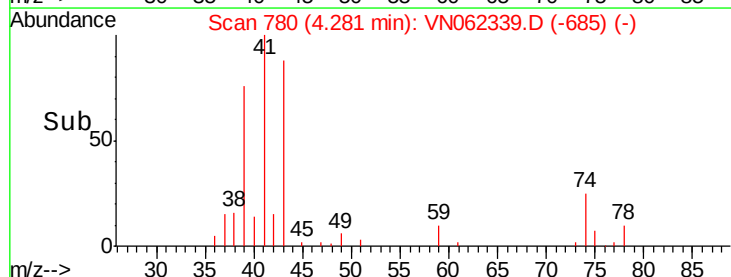
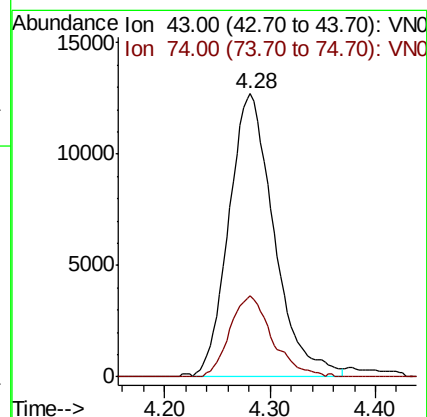
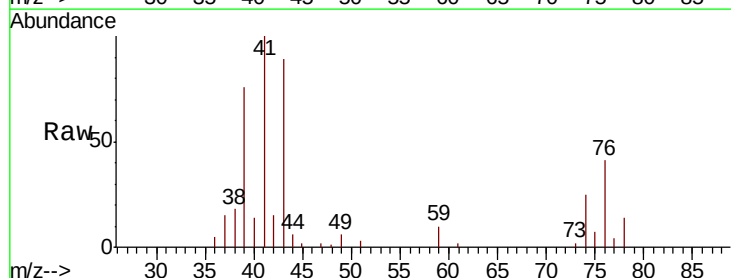
Acq: 2 Jul 2020 17:41

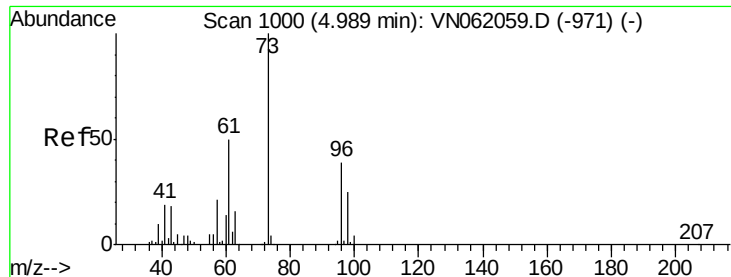
Tgt Ion: 43 Resp: 37894

Ion Ratio Lower Upper

43 100

74 26.7 22.9 34.3





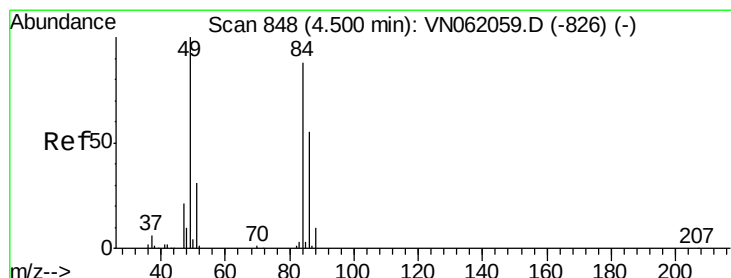
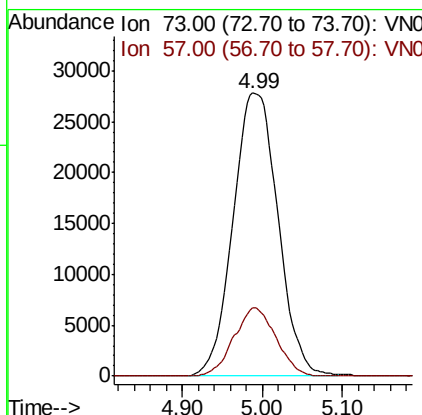
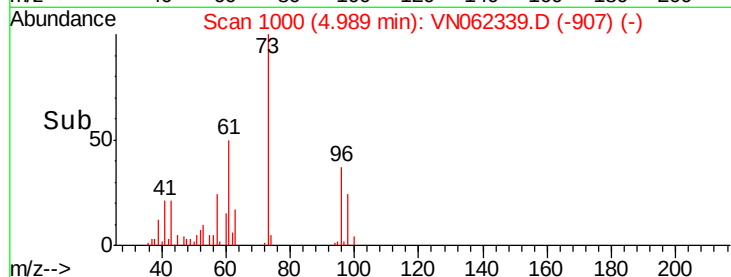
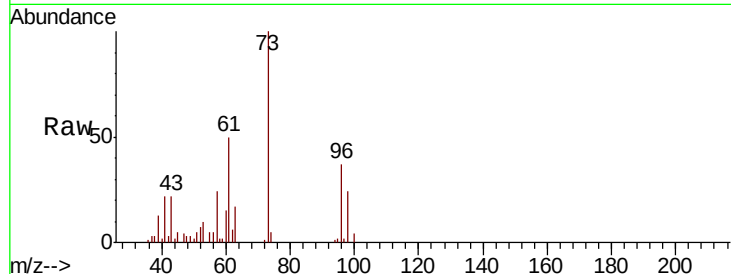
#19
Methvl tert-butyl Ether
Concen: 20.287 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion: 73 Resp: 106443
Ion Ratio Lower Upper
73 100
57 24.1 16.6 24.8

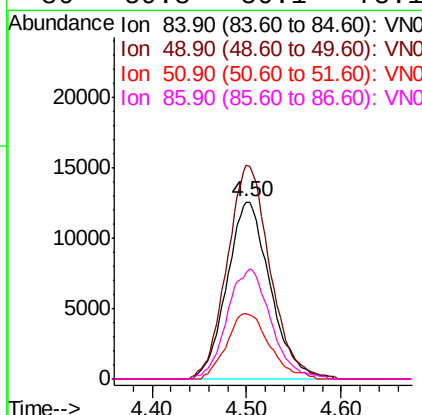
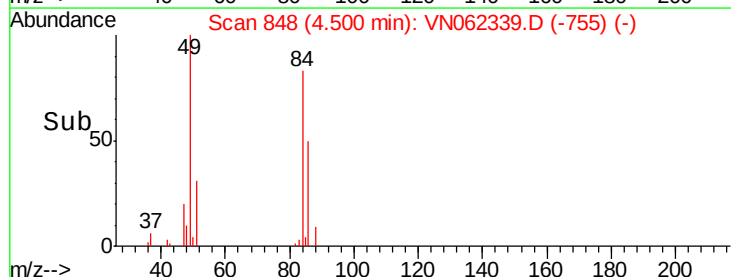
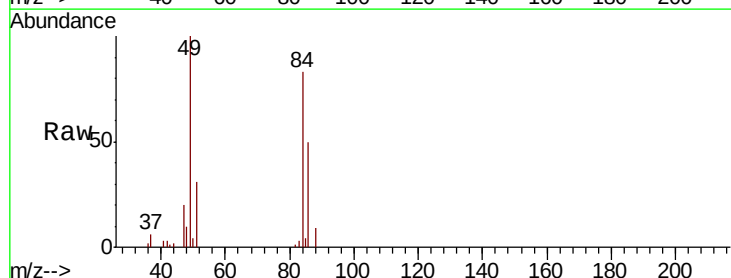
Manual Integrations
APPROVED

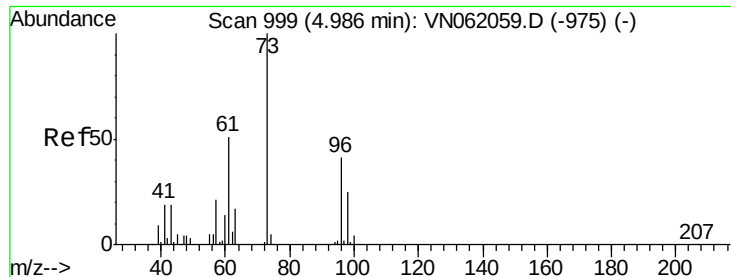
sam
7/6/2020 11:34:05 AM



#20
Methylene Chloride
Concen: 21.613 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion: 84 Resp: 40043
Ion Ratio Lower Upper
84 100
49 120.5 90.6 136.0
51 36.9 27.8 41.8
86 59.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 17.709 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

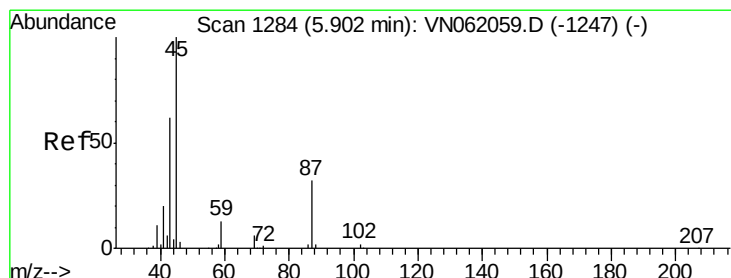
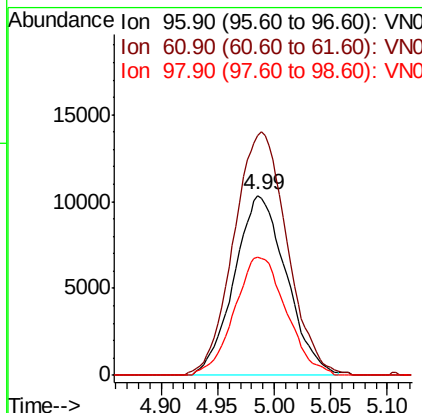
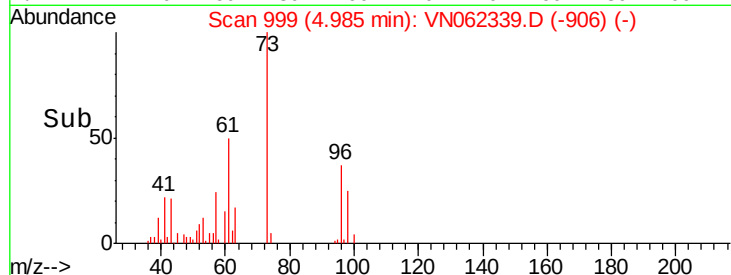
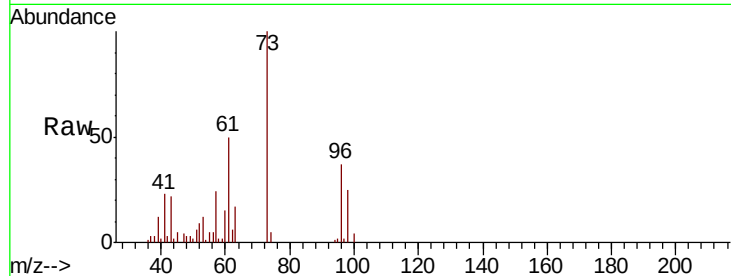
ClientSampled :

VN0702WBS01

Tot Ion:	96	Resp:	33125
Ion	Ratio	Lower	Upper
96	100		
61	132.1	101.4	152.2
98	65.5	49.3	73.9

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



#22

Diisopropyl ether

Concen: 21.375 ug/l

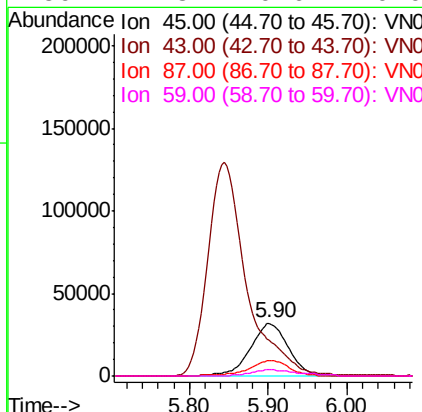
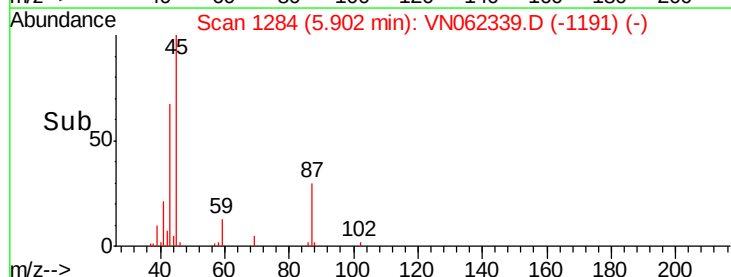
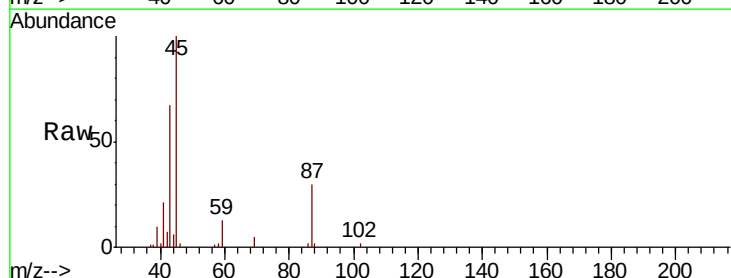
RT: 5.90 min Scan# 1284

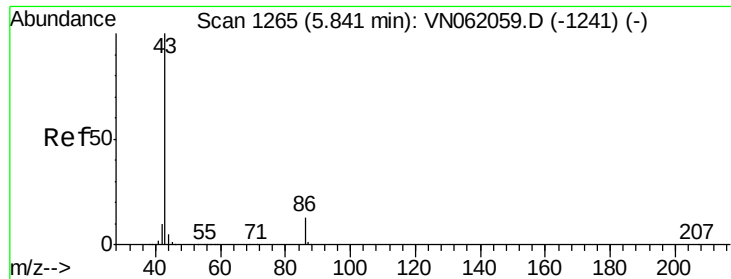
Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Tgt Ion:	45	Resp:	108800
Ion	Ratio	Lower	Upper
45	100		
43	64.1	49.7	74.5
87	30.3	25.9	38.9
59	12.8	10.6	16.0





#23

Vinyl Acetate

Concen: 105.934 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion: 43 Resp: 440241

Ion Ratio Lower Upper

43 100

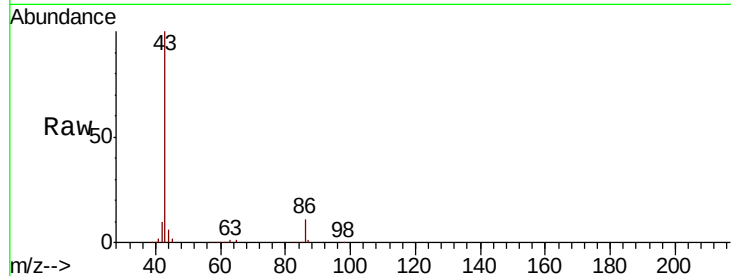
86 11.5 10.1 15.1

Manual Integrations

APPROVED

sam

7/6/2020 11:34:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062339.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN062339.D (-1172) (-)

150000

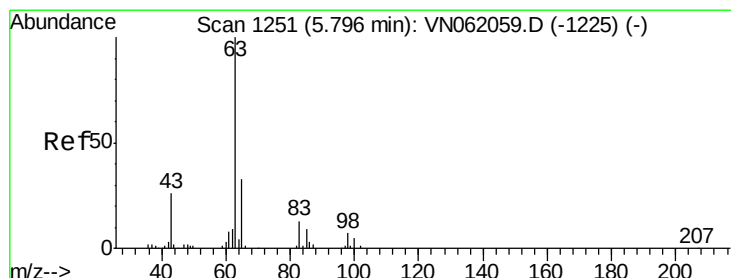
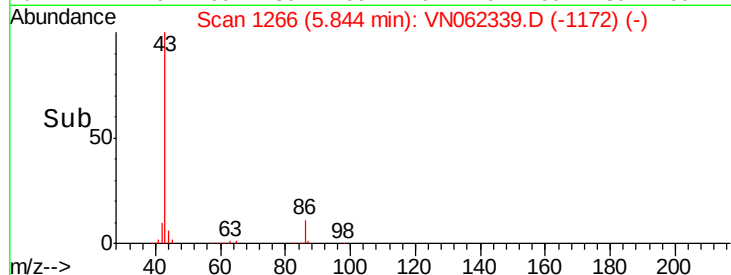
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.302 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

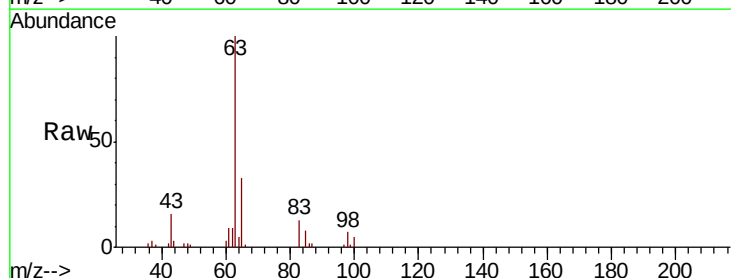
Tgt Ion: 63 Resp: 66544

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 4.9 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062339.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062339.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062339.D (-1158) (-)

25000

20000

15000

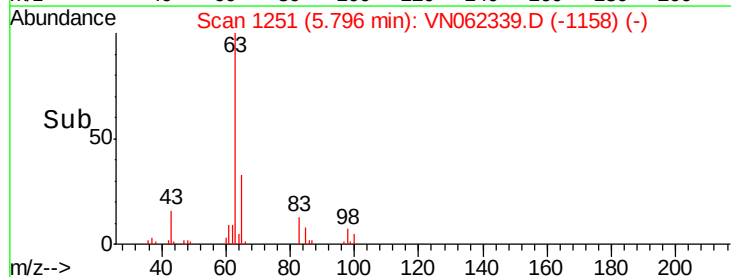
10000

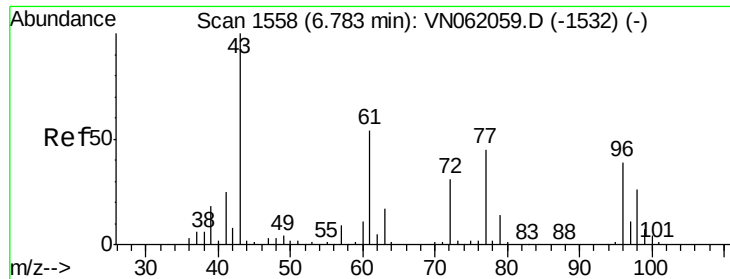
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 109.421 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion: 43 Resp: 107329

Ion Ratio Lower Upper

43 100

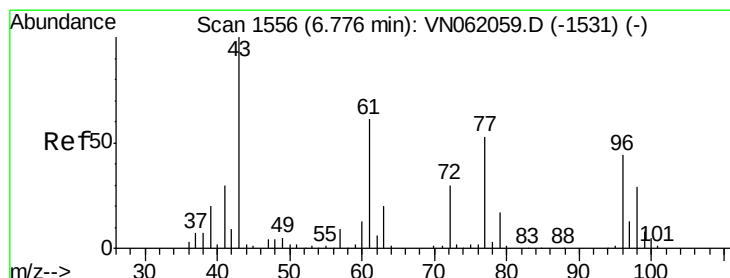
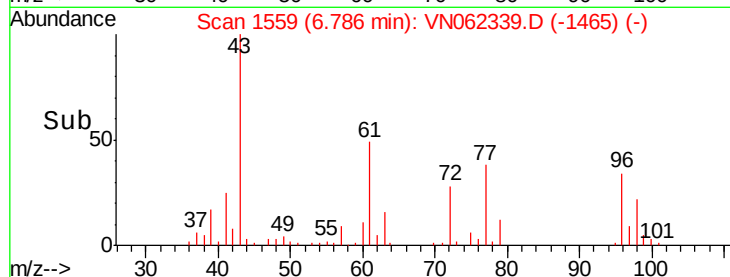
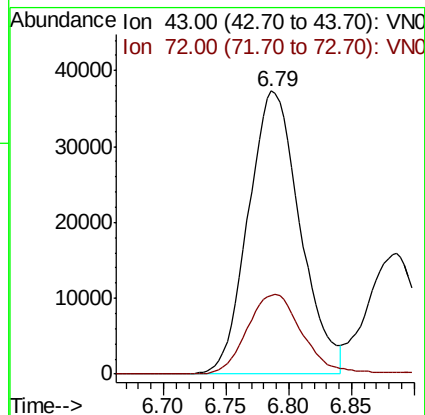
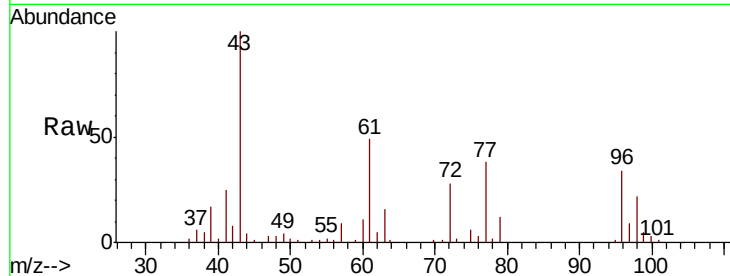
72 27.7 24.8 37.2

Manual Integrations

APPROVED

sam

7/6/2020 11:34:05 AM



#26

2,2-Dichloropropane

Concen: 19.847 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062339.D

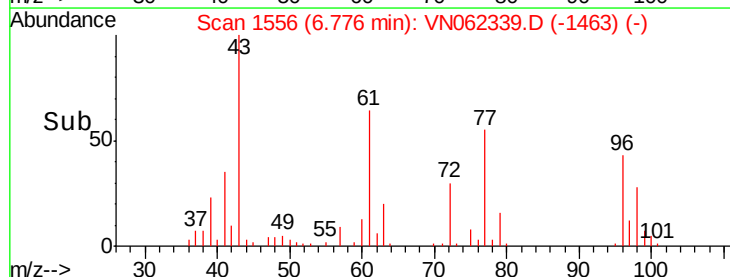
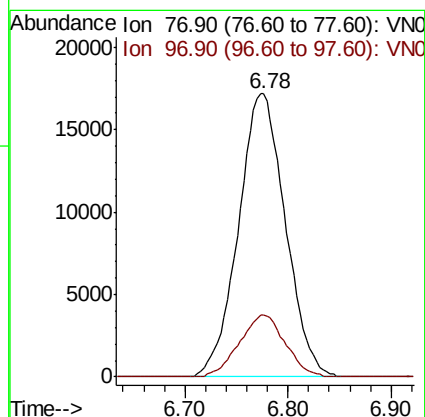
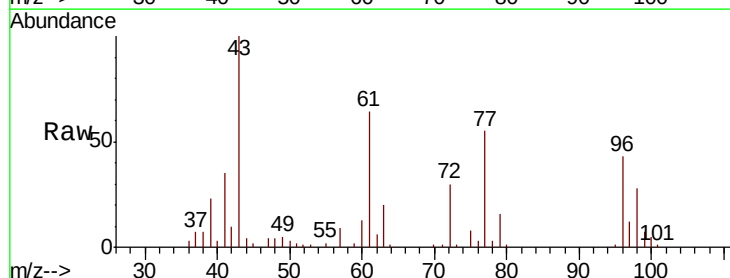
Acq: 2 Jul 2020 17:41

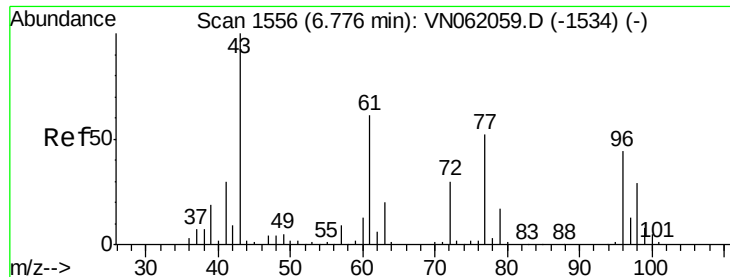
Tgt Ion: 77 Resp: 54211

Ion Ratio Lower Upper

77 100

97 21.3 11.8 35.3





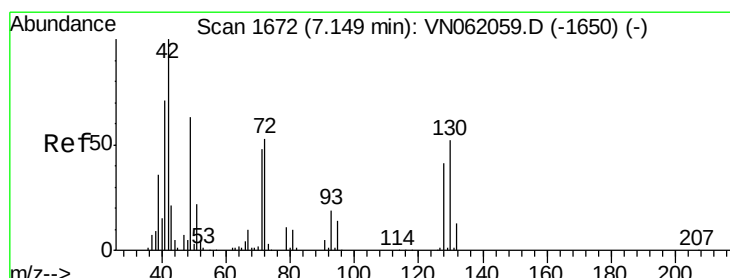
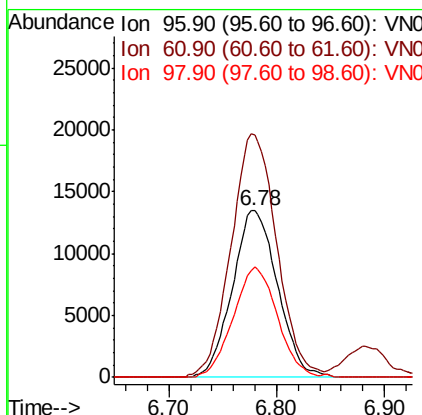
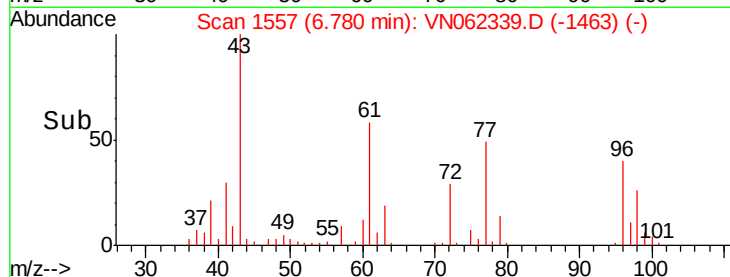
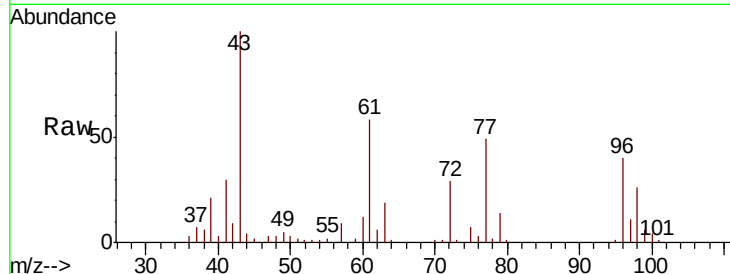
#27
 cis-1,2-Dichloroethene
 Concen: 18.688 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39335		
61	147.5	0.0	280.4	
98	64.5	0.0	129.4	

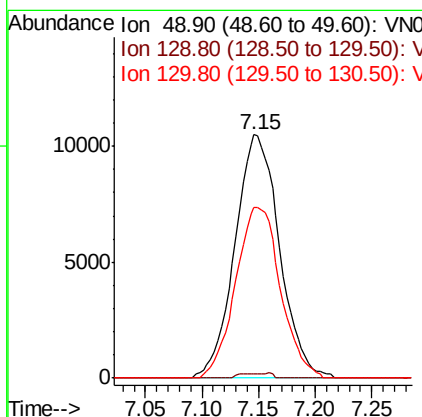
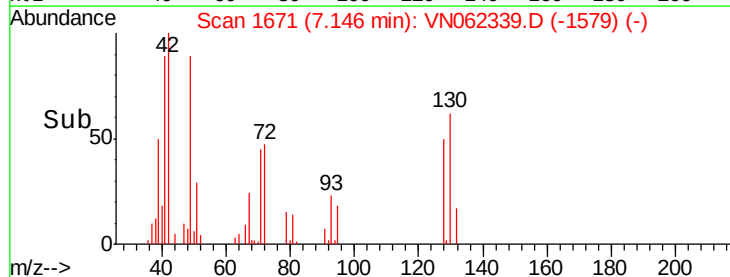
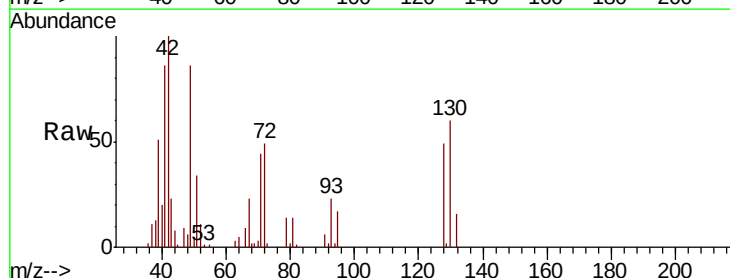
Manual Integrations
 APPROVED

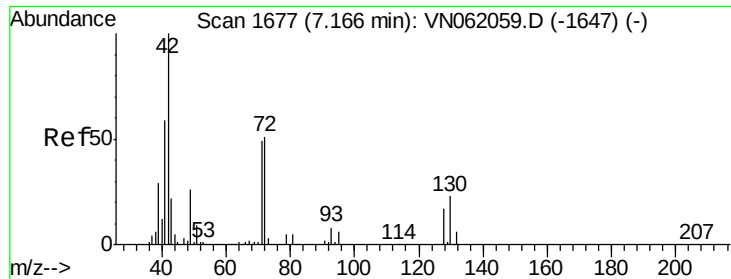
sam
 7/6/2020 11:34:05 AM



#28
 Bromochloromethane
 Concen: 20.246 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28793		
129	1.4	0.0	4.4	
130	70.6	65.5	98.3	





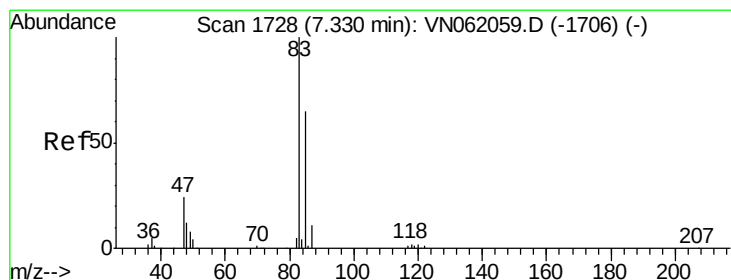
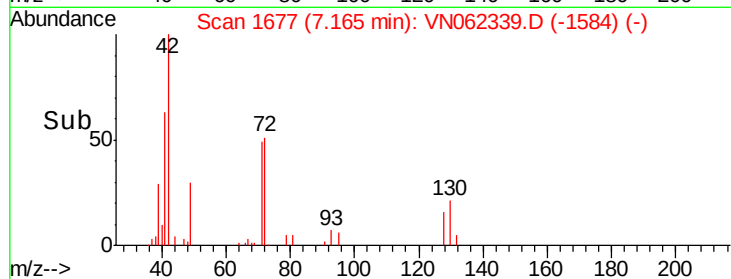
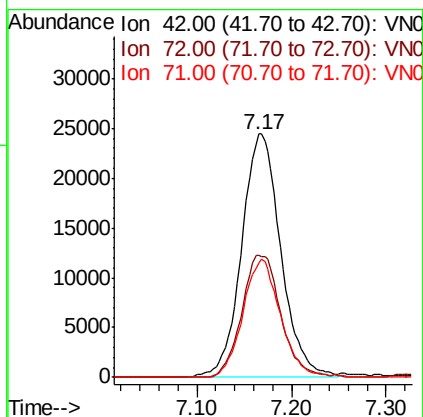
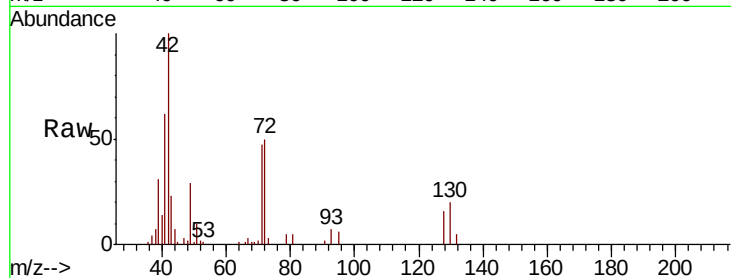
#29
Tetrahydrofuran
Concen: 109.655 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.7	41.1	61.7
71	46.1	38.2	57.4

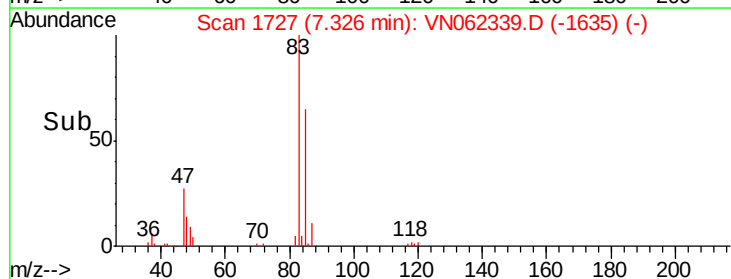
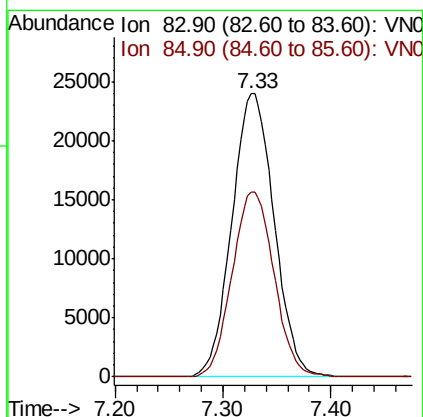
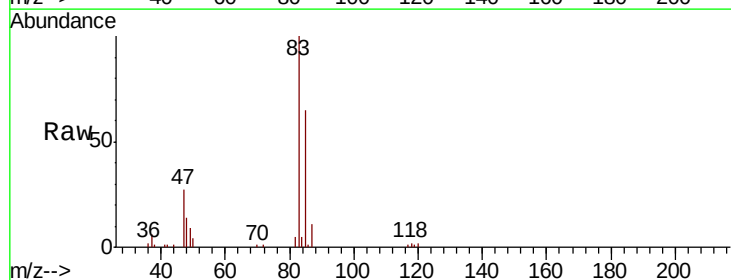
Manual Integrations
APPROVED

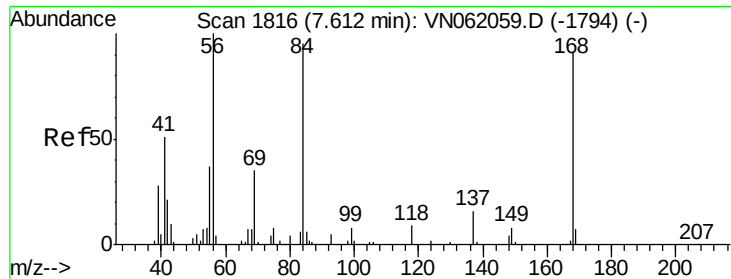
sam
7/6/2020 11:34:05 AM



#30
Chloroform
Concen: 19.595 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.3	78.5





#31

Cyclohexane

Concen: 18.767 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

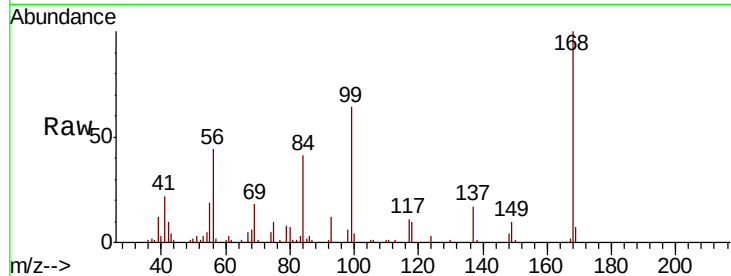
ClientSampled :

VN0702WBS01

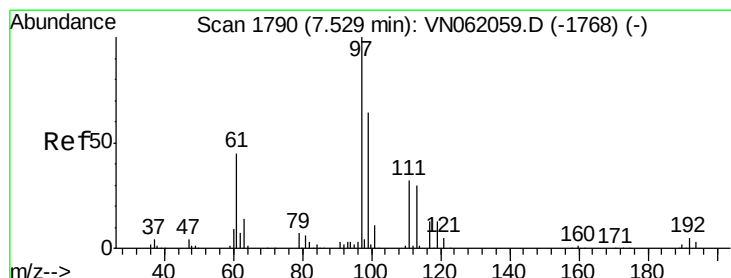
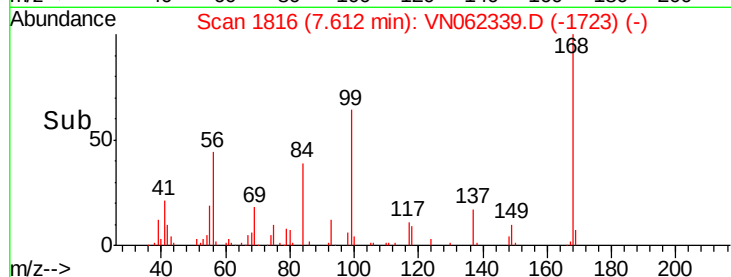
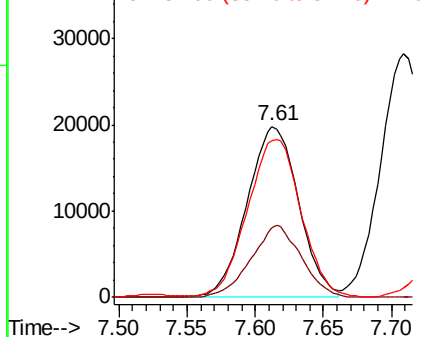
Tot Ion:	56	Resp:	52032
Ion Ratio	Lower	Upper	
56	100		
69	40.5	28.0	42.0
84	91.1	76.1	114.1

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.909 ug/l

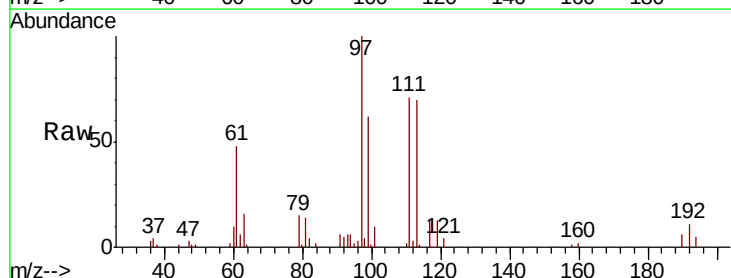
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

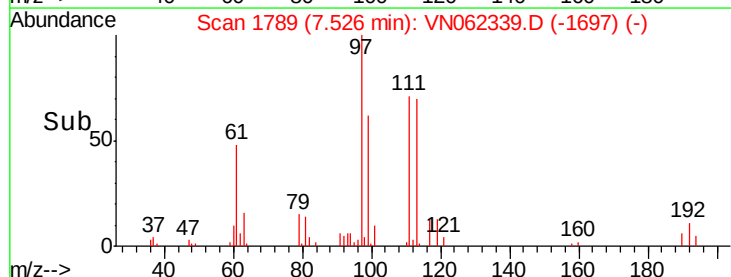
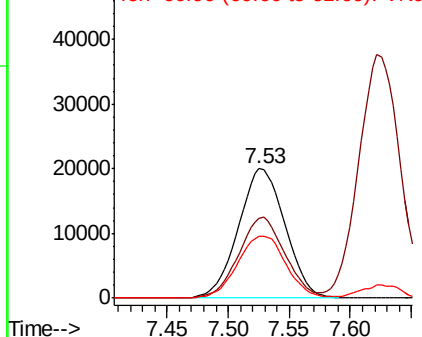
Lab File: VN062339.D

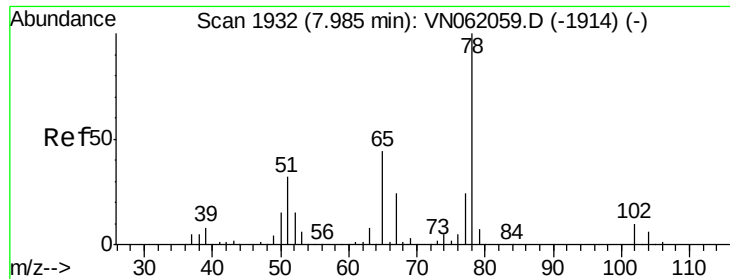
Acq: 2 Jul 2020 17:41

Tgt Ion:	97	Resp:	53179
Ion Ratio	Lower	Upper	
97	100		
99	61.5	51.0	76.4
61	49.6	36.2	54.2



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





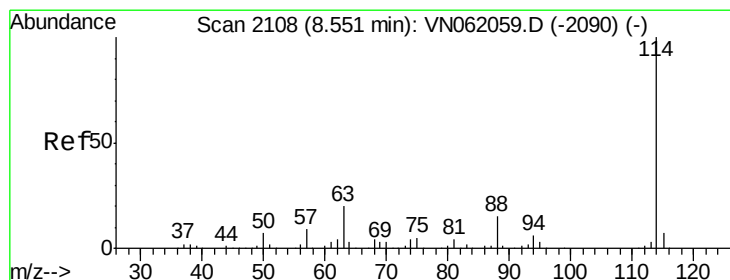
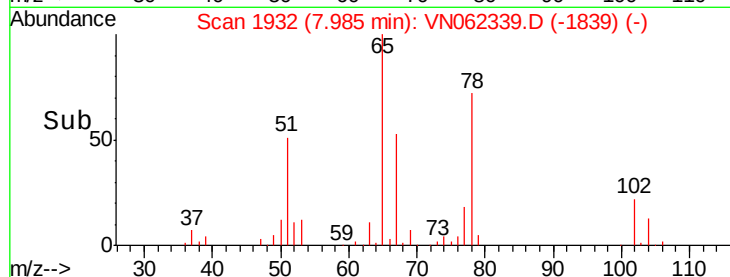
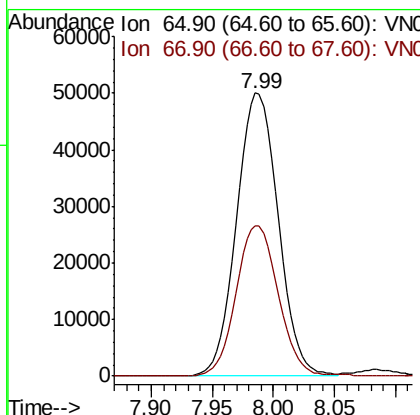
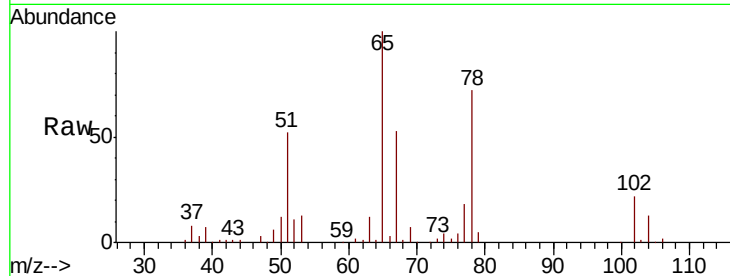
#33
 1,2-Dichloroethane-d4
 Concen: 59.006 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion: 65 Resp: 118412
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.2

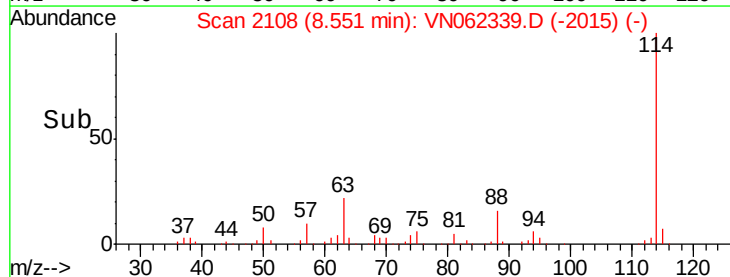
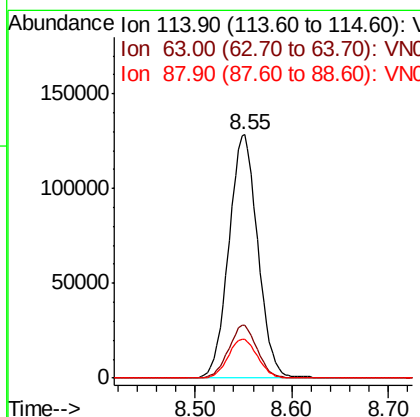
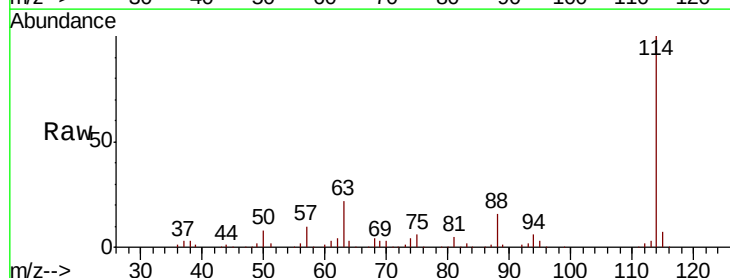
Manual Integrations
 APPROVED

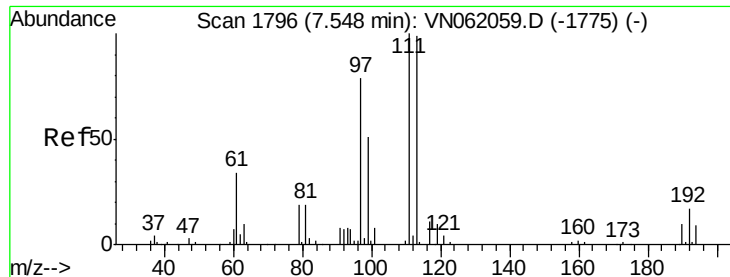
sam
 7/6/2020 11:34:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion: 114 Resp: 266721
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 39.2
 88 15.9 0.0 30.8





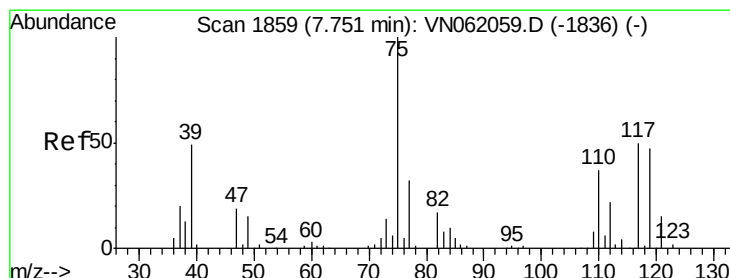
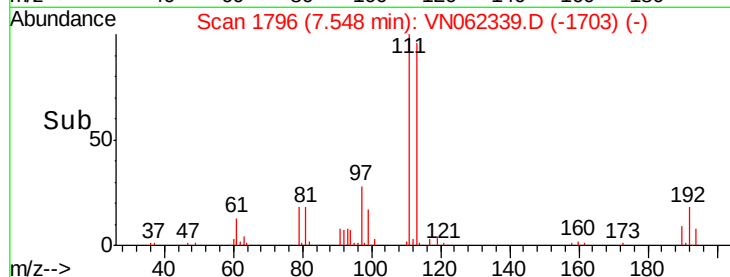
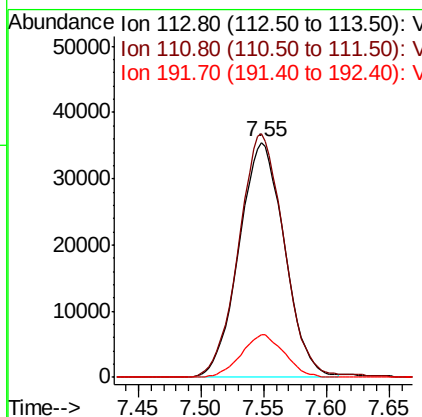
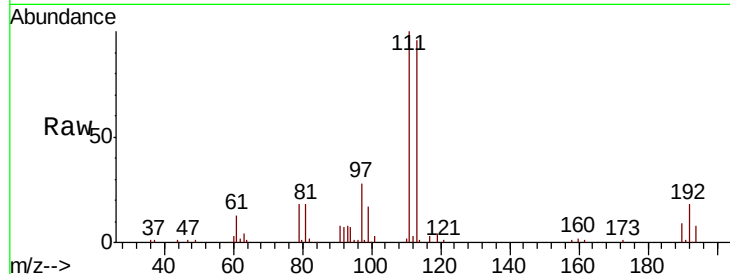
#35
 Dibromofluoromethane
 Concen: 52.349 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.9	82.2	123.4	
192	17.1	14.0	21.0	

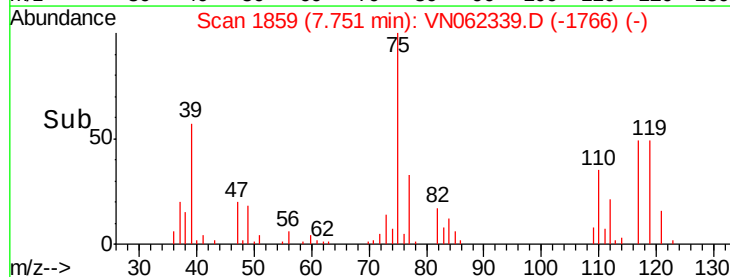
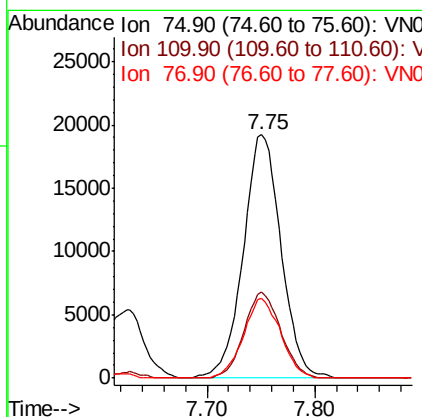
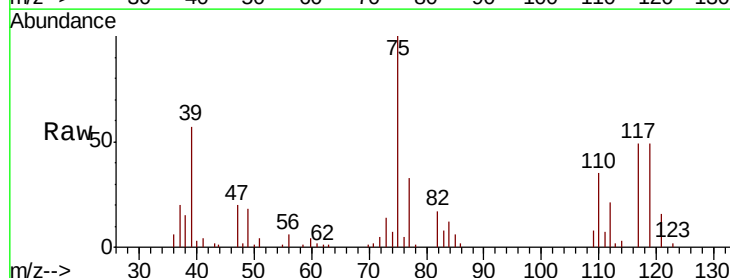
Manual Integrations
 APPROVED

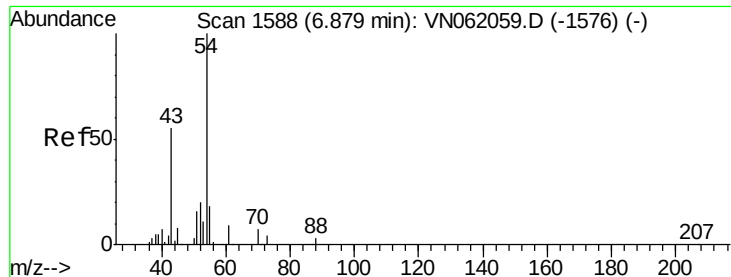
sam
 7/6/2020 11:34:05 AM



#36
 1,1-Dichloropropene
 Concen: 17.448 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.3	17.9	53.8	
77	32.0	24.9	37.3	





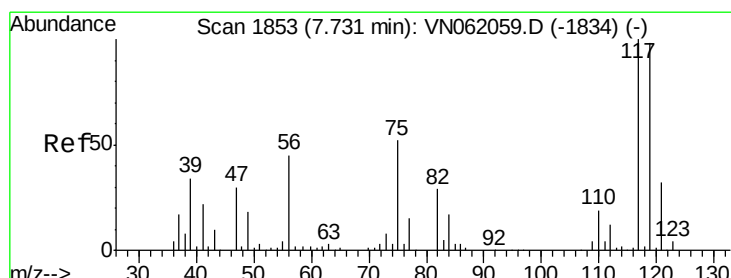
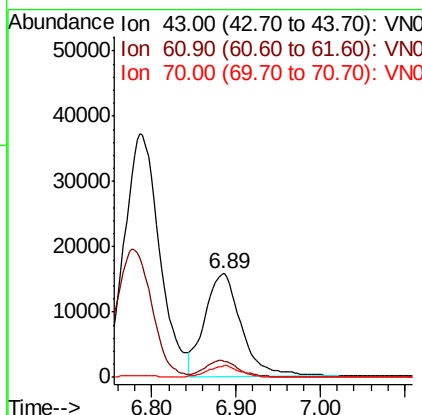
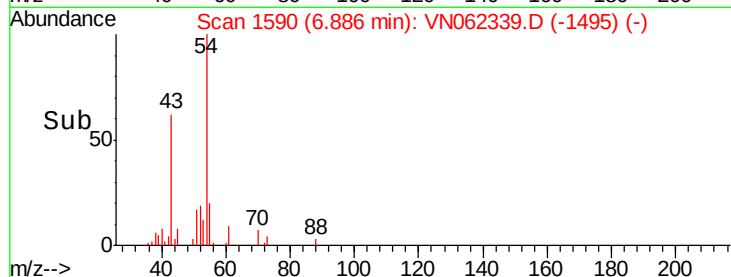
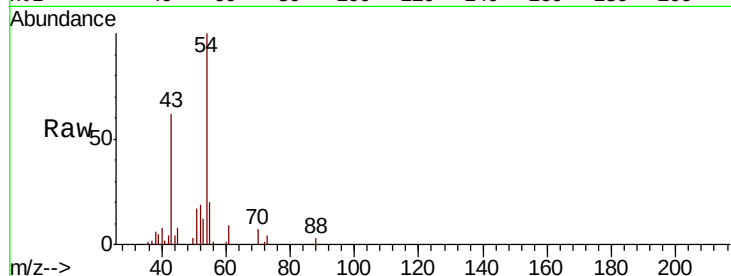
#37
Ethyl Acetate
Concen: 21.652 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
70	9.8	9.6	14.4

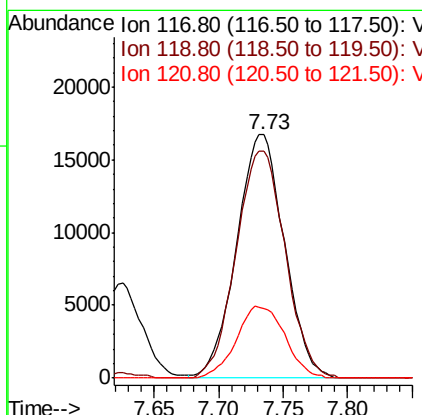
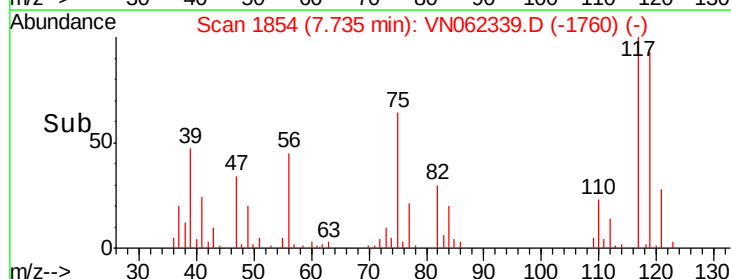
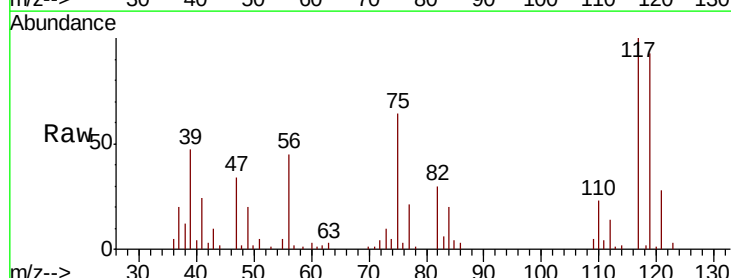
Manual Integrations
APPROVED

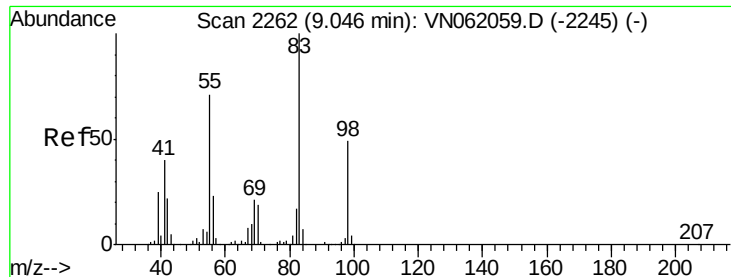
sam
7/6/2020 11:34:05 AM



#38
Carbon Tetrachloride
Concen: 17.081 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.2	117.2
121	28.4	25.8	38.6





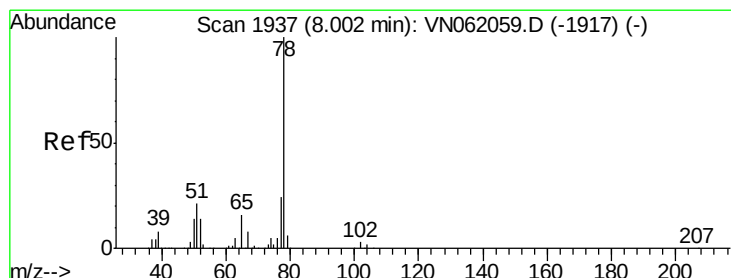
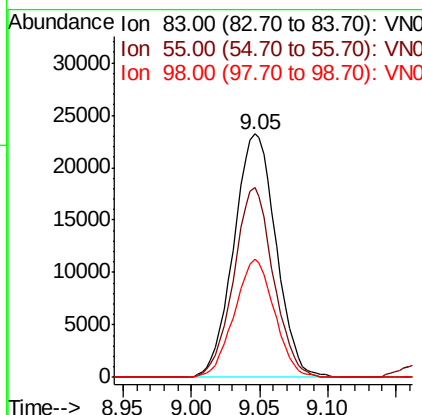
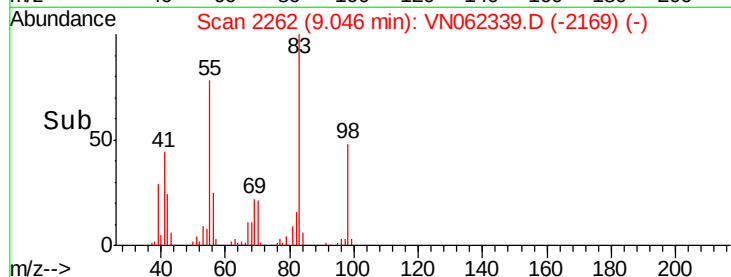
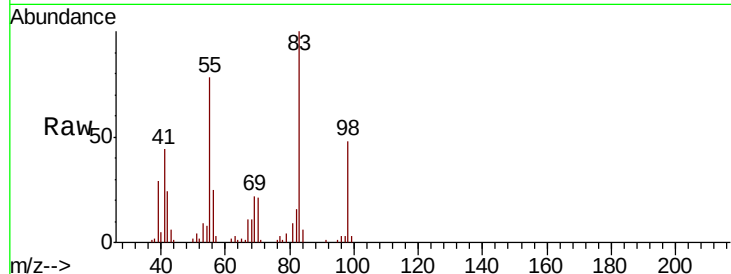
#39
Methylvlcyclohexane
Concen: 17.015 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	83	Resp	49980
Ion Ratio	Lower	Upper	
83	100		
55	78.2	57.0	85.6
98	48.3	39.0	58.6

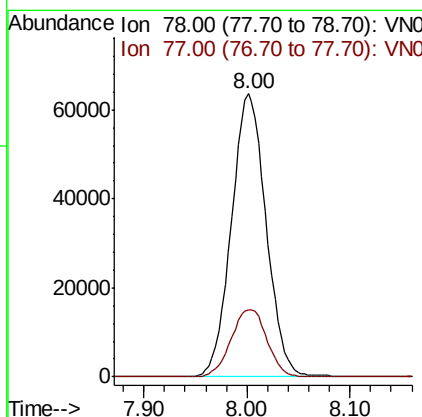
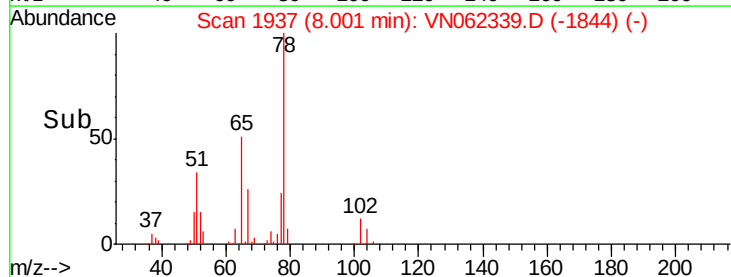
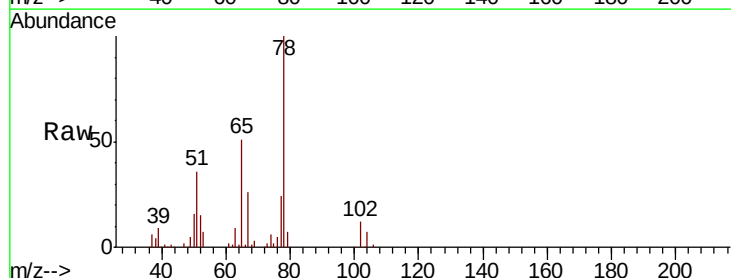
Manual Integrations
APPROVED

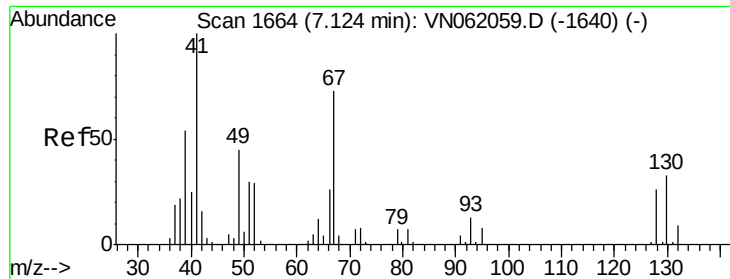
sam
7/6/2020 11:34:05 AM



#40
Benzene
Concen: 18.236 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	78	Resp	149012
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.5	29.3





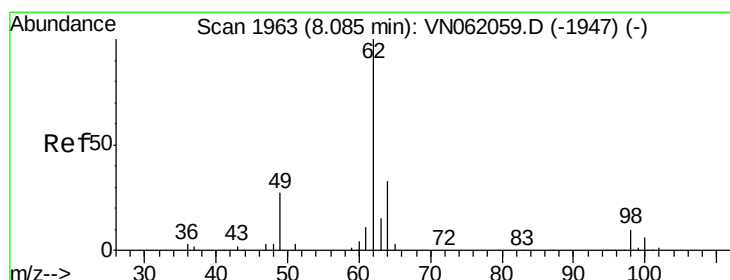
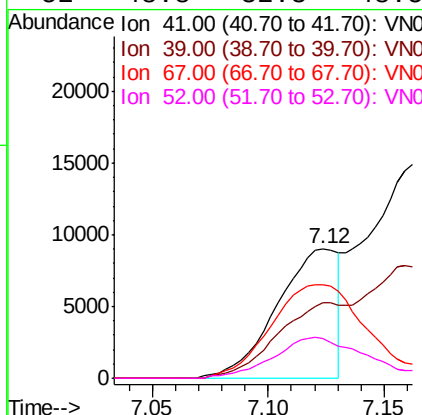
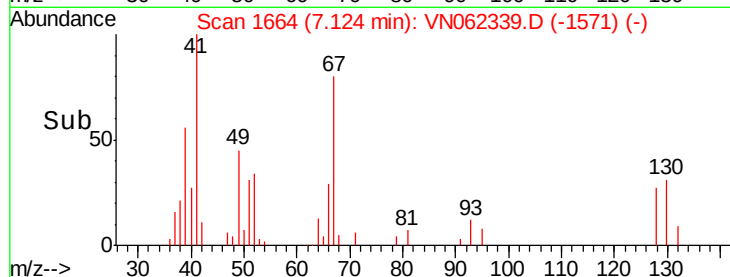
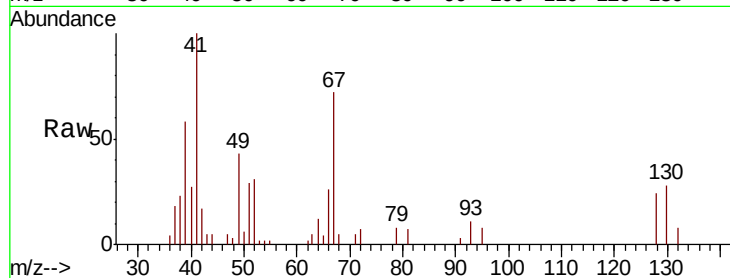
#41
Methacrylonitrile
Concen: 16.012 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	44.2	66.2
67	115.8	79.5	119.3
52	48.8	32.3	48.5

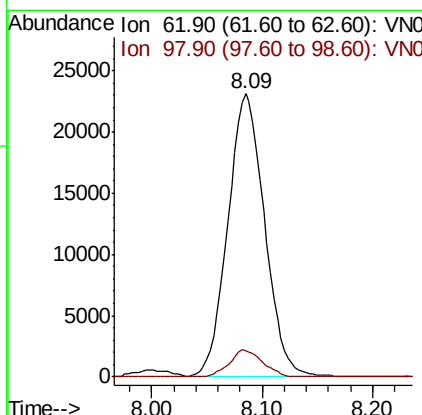
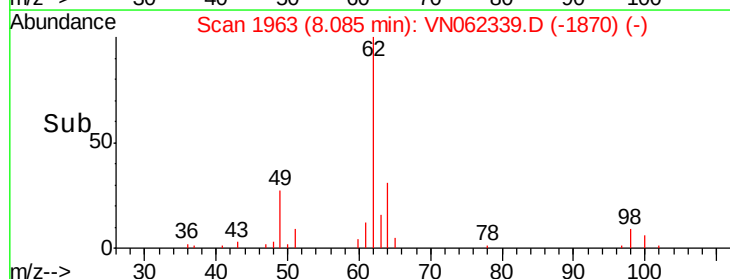
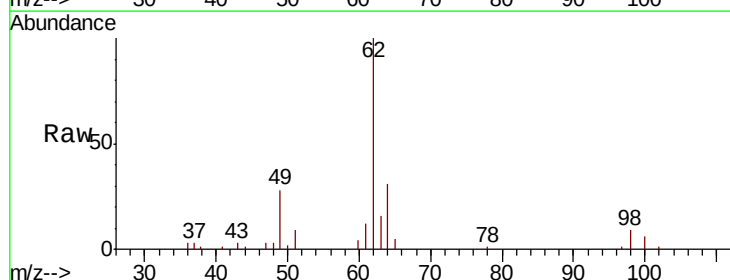
Manual Integrations
APPROVED

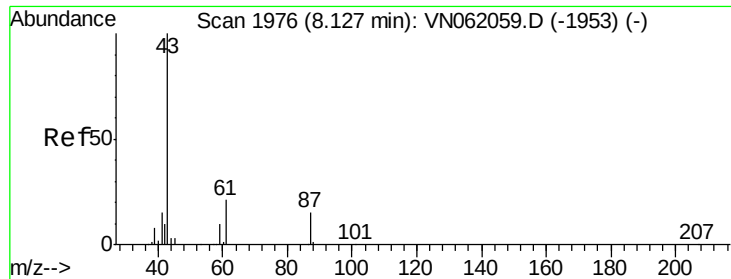
sam
7/6/2020 11:34:05 AM



#42
1,2-Dichloroethane
Concen: 19.390 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	19.8





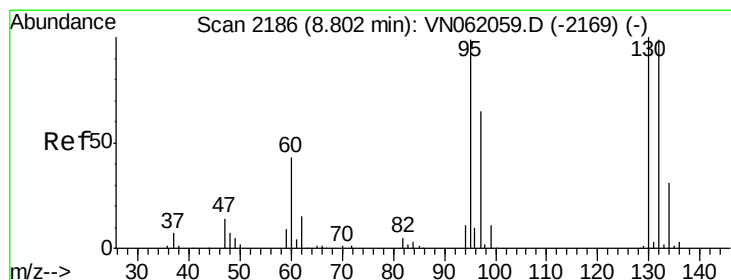
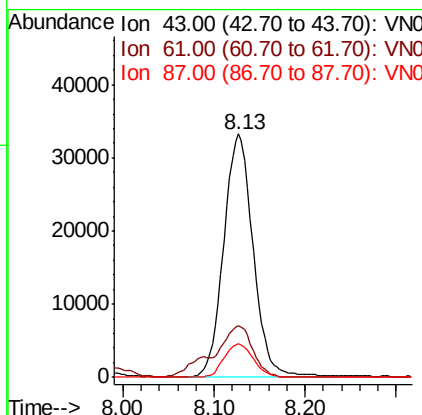
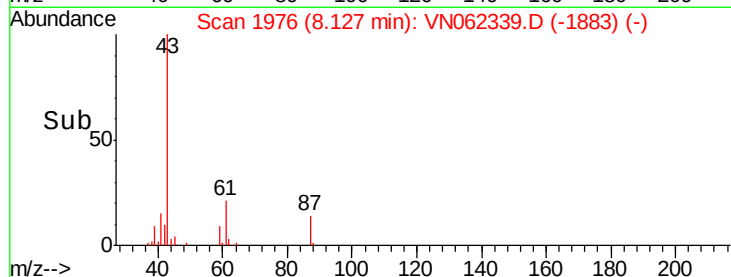
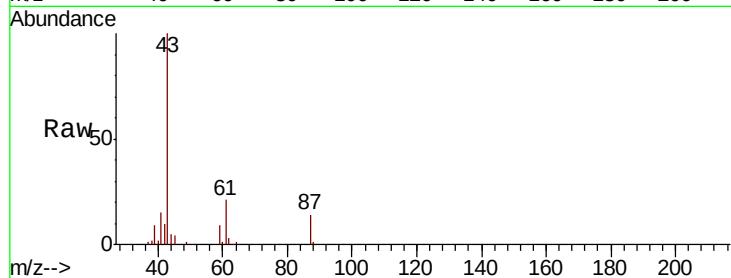
#43
Isopropyl Acetate
Concen: 20.716 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	43	Resp	74970
Ion Ratio	100	Lower	Upper
43	100		
61	21.5	17.2	25.8
87	13.5	12.1	18.1

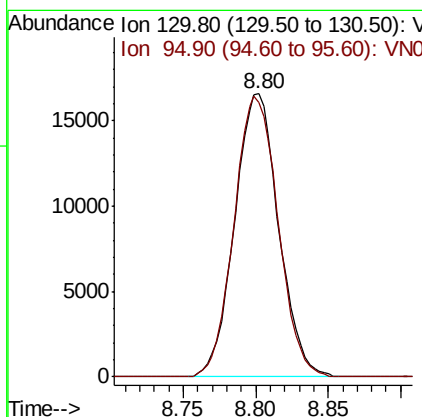
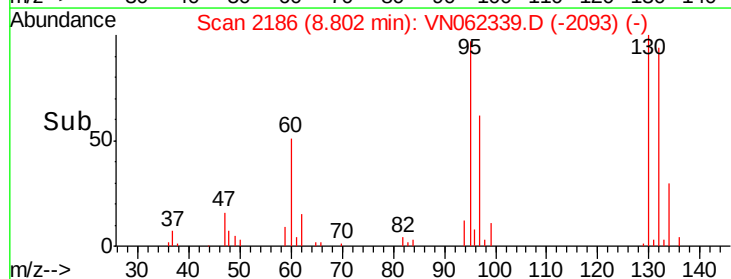
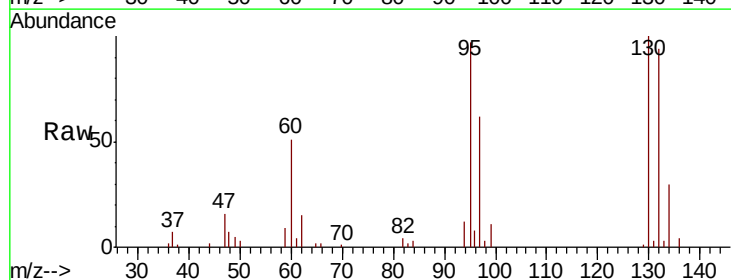
Manual Integrations
APPROVED

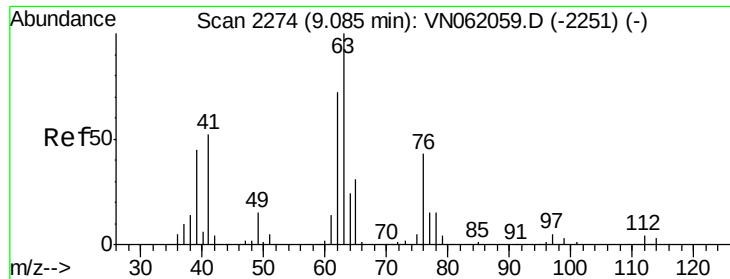
Sam
7/6/2020 11:34:05 AM



#44
Trichloroethene
Concen: 16.929 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	130	Resp	34895
Ion Ratio	100	Lower	Upper
130	100		
95	97.0	0.0	197.8





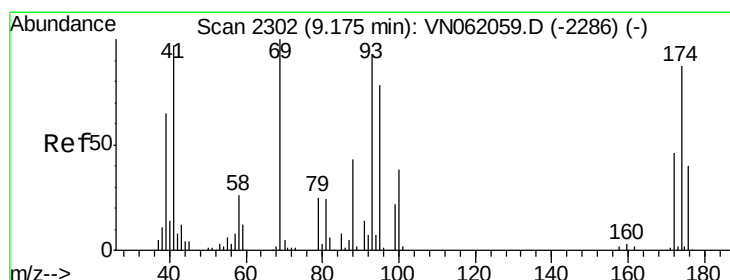
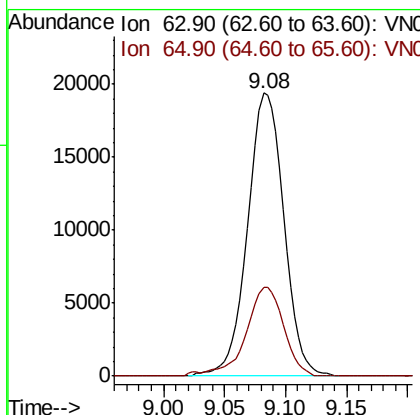
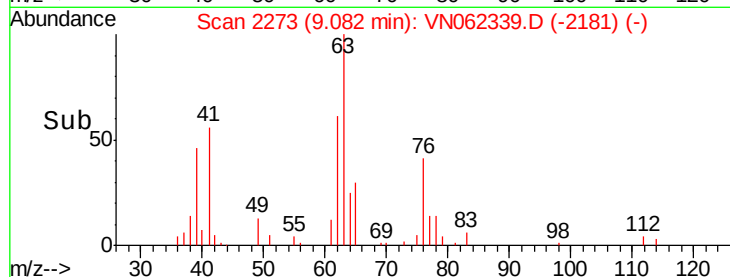
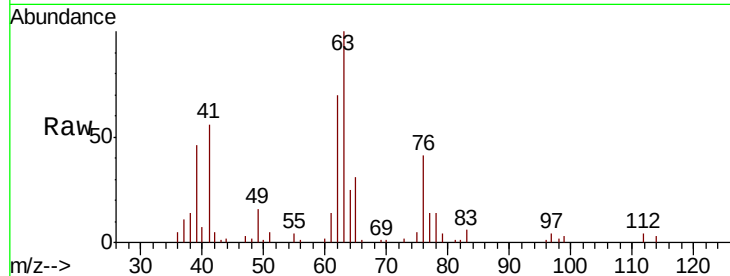
#45
 1,2-Dichloropropane
 Concen: 19.758 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion: 63 Resp: 39831
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

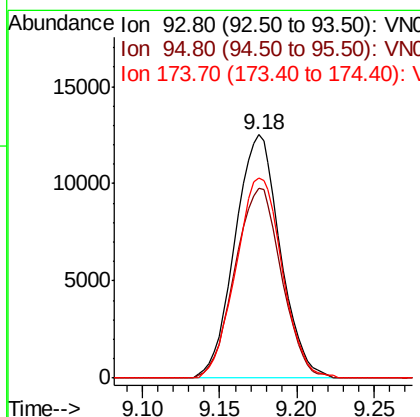
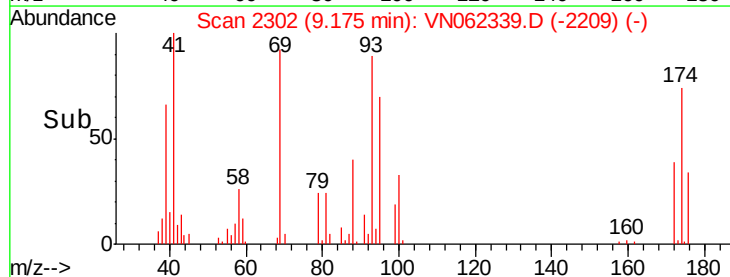
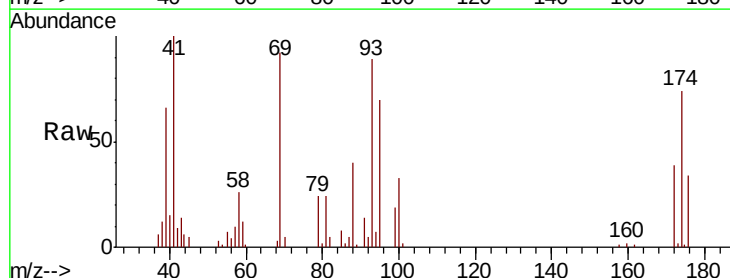
Manual Integrations
 APPROVED

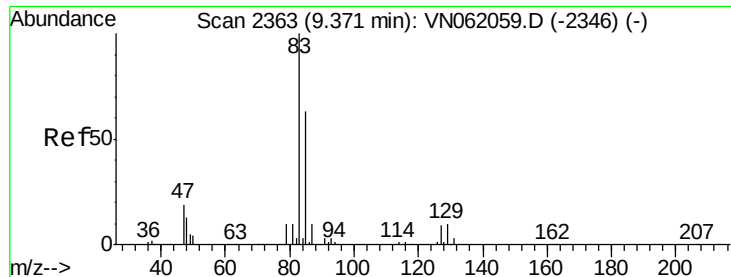
sam
 7/6/2020 11:34:05 AM



#46
 Dibromomethane
 Concen: 18.629 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion: 93 Resp: 25462
 Ion Ratio Lower Upper
 93 100
 95 80.4 67.0 100.6
 174 84.2 74.4 111.6





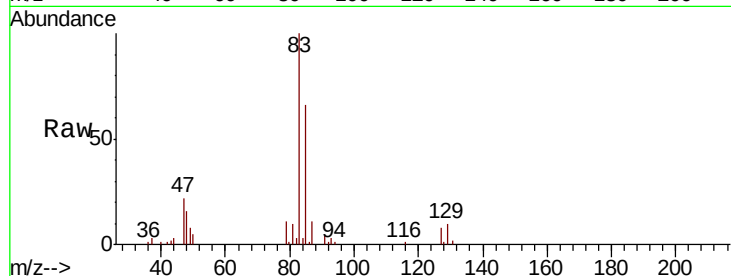
#47
Bromodichloromethane
Concen: 18.327 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

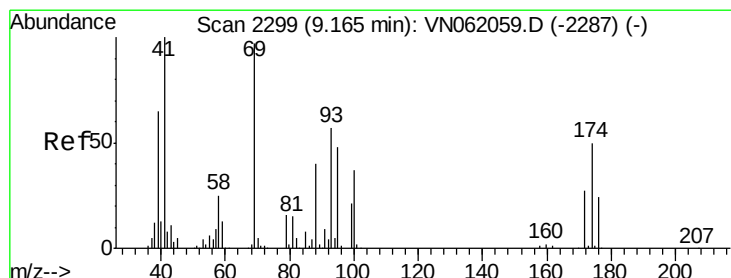
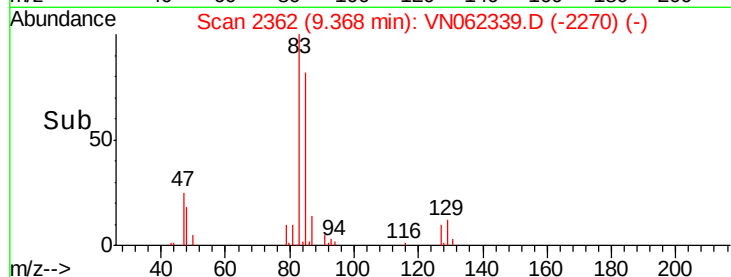
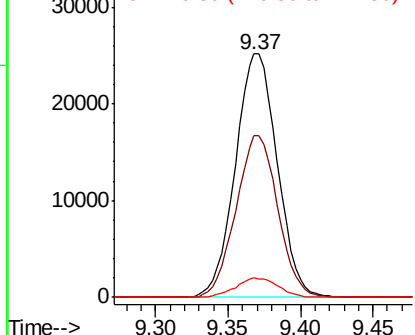
Tot Ion	83	Resp	50578
Ion Ratio	100		
85	66.4	50.3	75.5
127	8.0	6.9	10.3

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



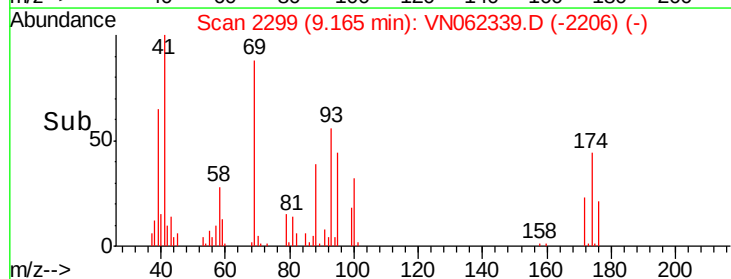
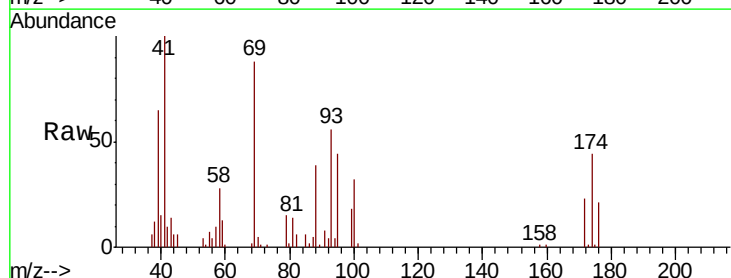
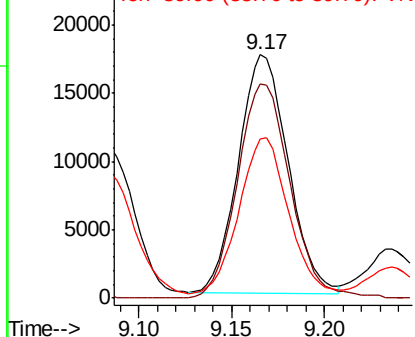
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

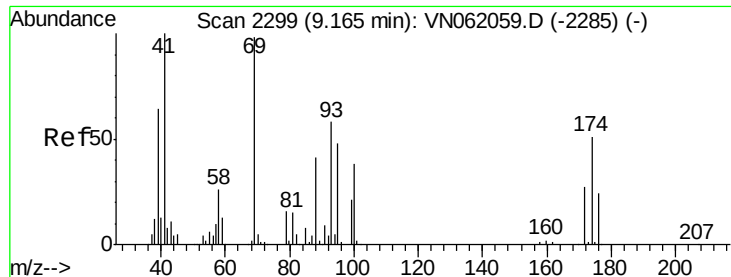


#48
Methyl methacrylate
Concen: 19.967 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	41	Resp	32399
Ion Ratio	100		
69	95.9	80.7	121.1
39	69.3	54.5	81.7

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





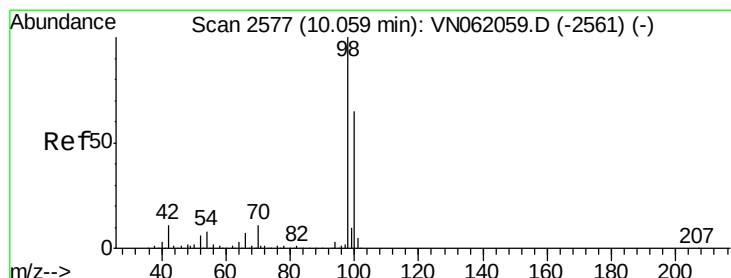
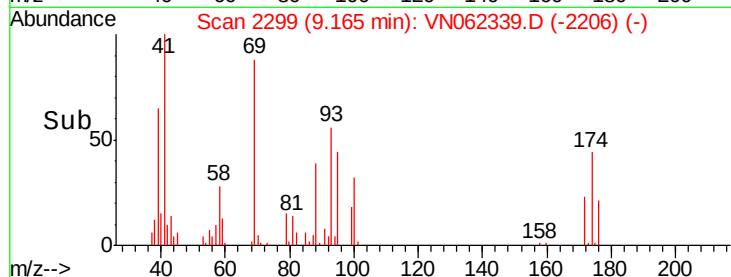
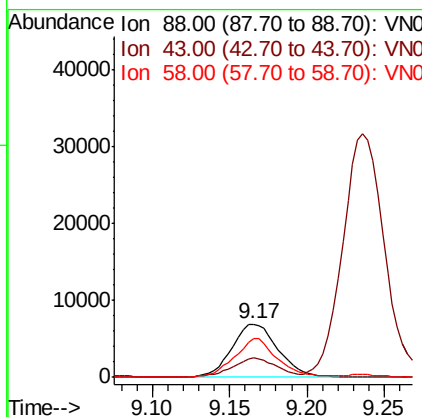
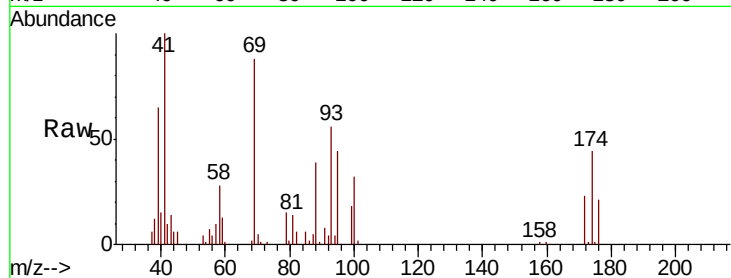
#49
1,4-Dioxane
Concen: 399.182 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	88	Resp	14364
Ion Ratio	Lower	Upper	
88	100		
43	34.7	22.0	33.0#
58	67.1	49.2	73.8

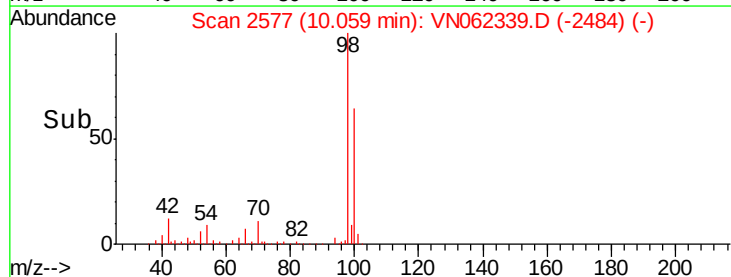
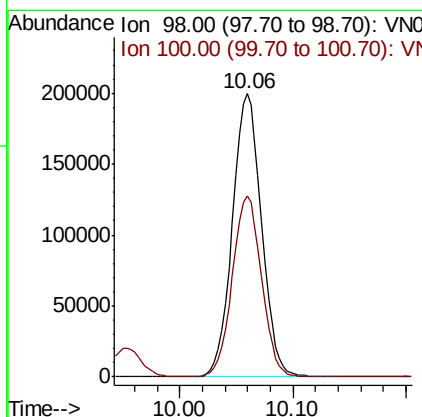
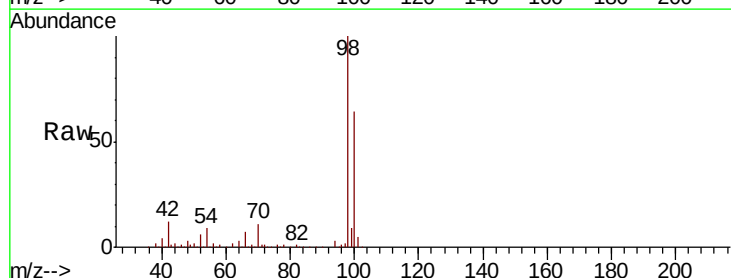
Manual Integrations
APPROVED

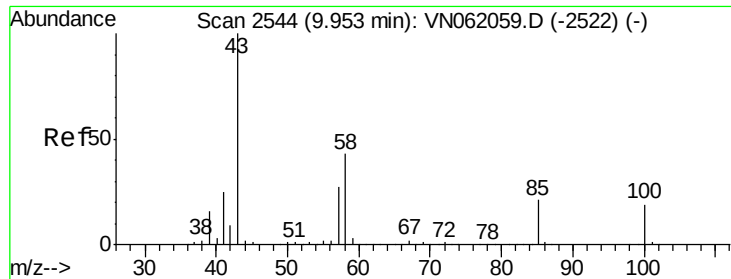
Sam
7/6/2020 11:34:05 AM



#50
Toluene-d8
Concen: 52.233 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	98	Resp	357271
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 107.787 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion: 43 Resp: 227903

Ion Ratio Lower Upper

43 100

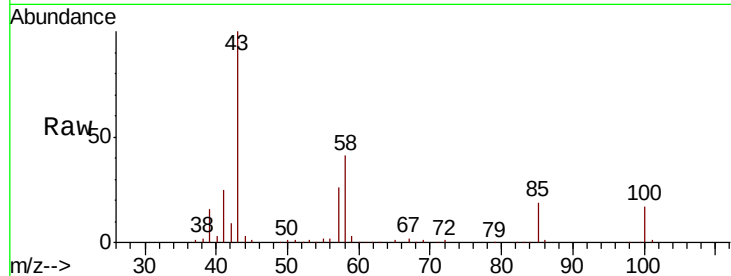
58 40.3 34.2 51.2

Manual Integrations

APPROVED

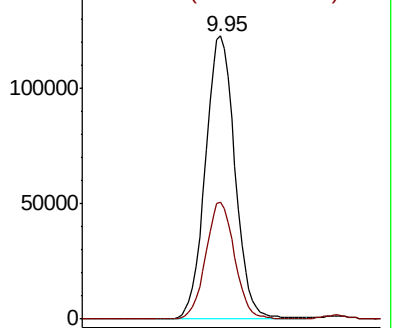
sam

7/6/2020 11:34:05 AM

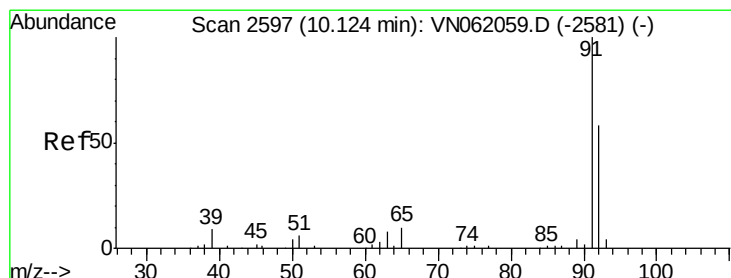
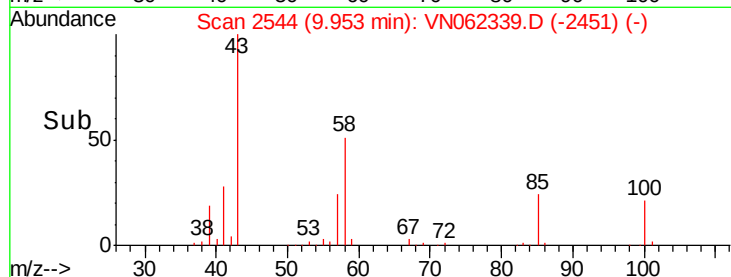


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 18.326 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062339.D

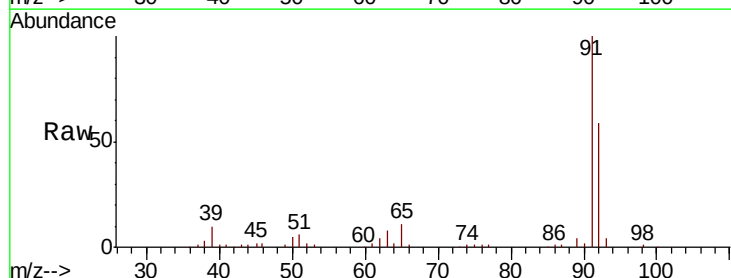
Acq: 2 Jul 2020 17:41

Tgt Ion: 92 Resp: 91369

Ion Ratio Lower Upper

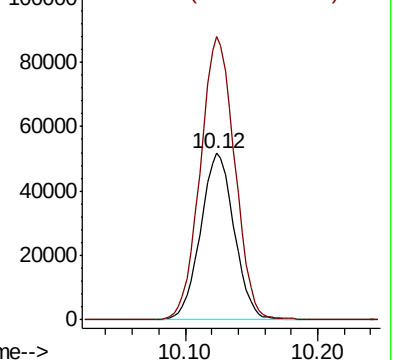
92 100

91 173.6 137.4 206.0

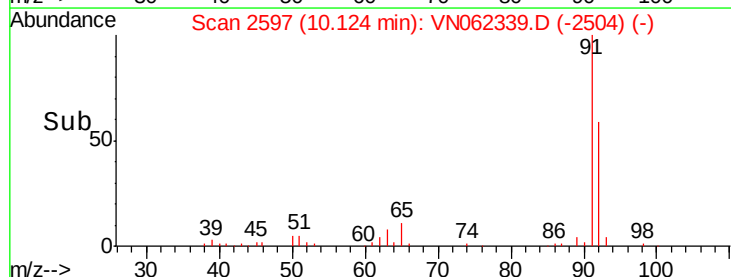


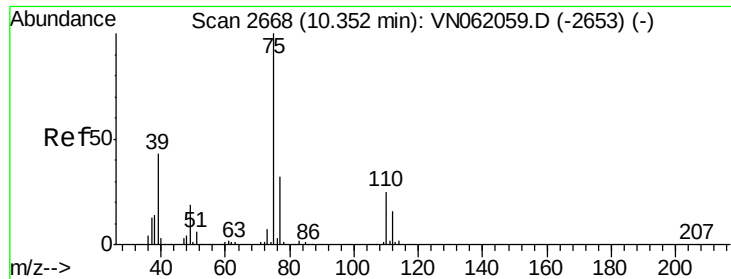
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





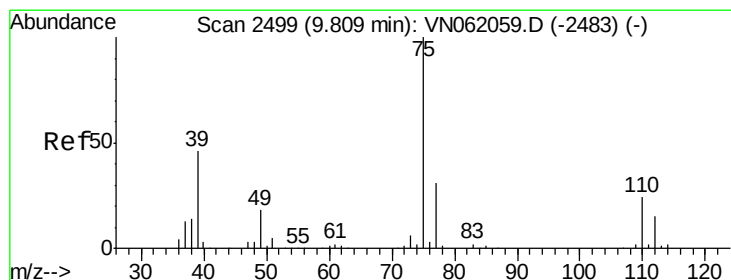
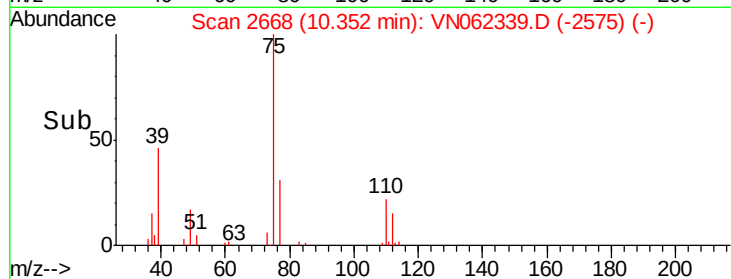
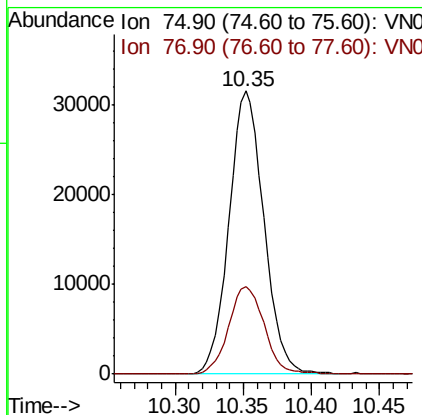
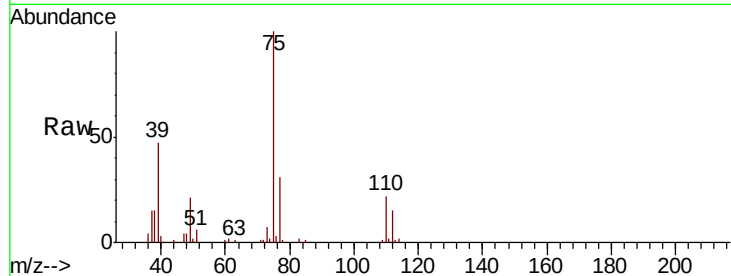
#53
t-1,3-Dichloropropene
Concen: 18.457 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion: 75 Resp: 56040
Ion Ratio Lower Upper
75 100
77 30.7 25.5 38.3

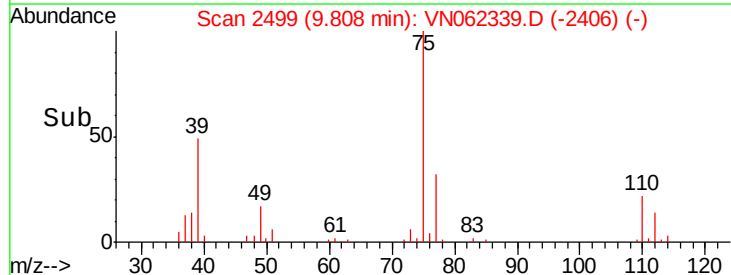
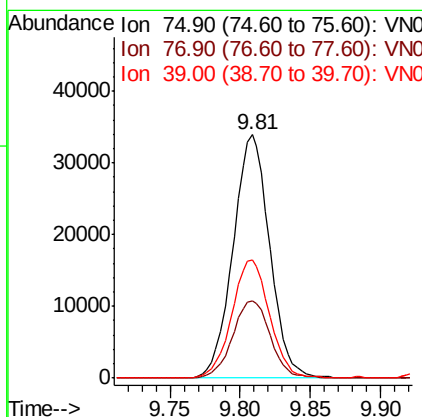
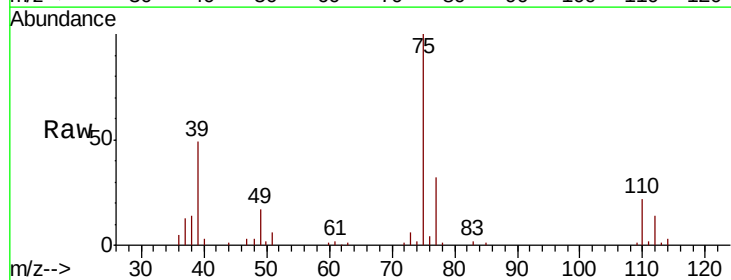
Manual Integrations
APPROVED

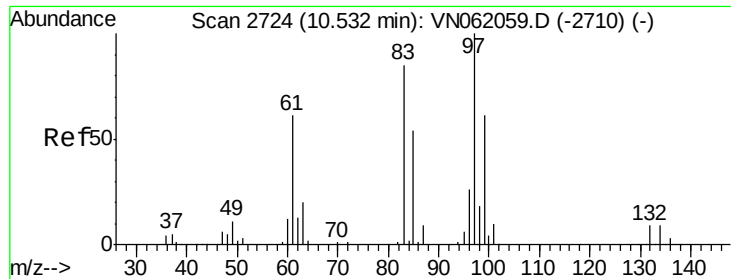
sam
7/6/2020 11:34:05 AM



#54
cis-1,3-Dichloropropene
Concen: 19.073 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion: 75 Resp: 61654
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 48.7 36.9 55.3





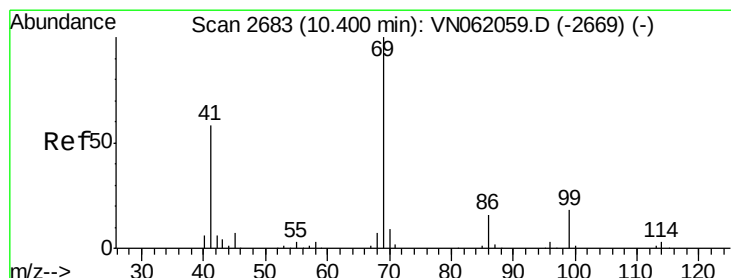
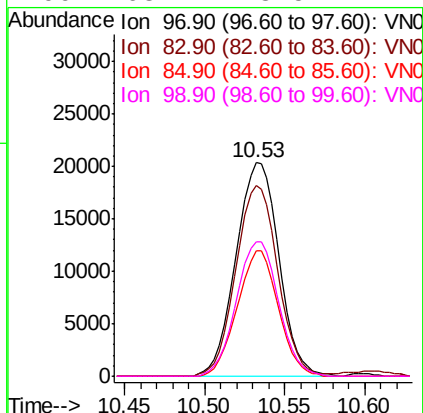
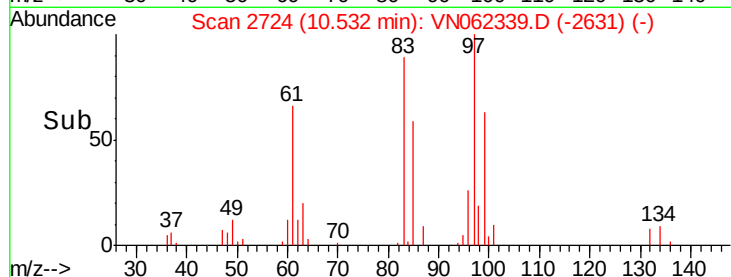
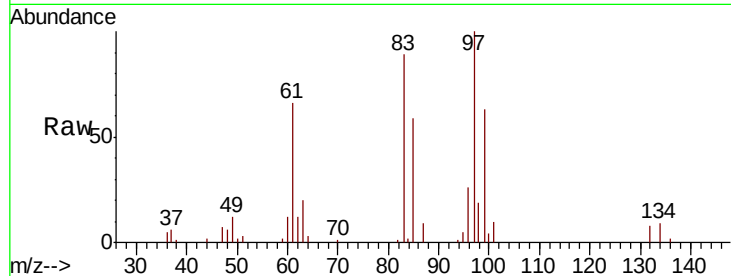
#55
 1,1,2-Trichloroethane
 Concen: 19.029 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion:	97	Resp:	37295
Ion	Ratio	Lower	Upper
97	100		
83	89.4	68.2	102.2
85	58.8	43.2	64.8
99	63.1	48.5	72.7

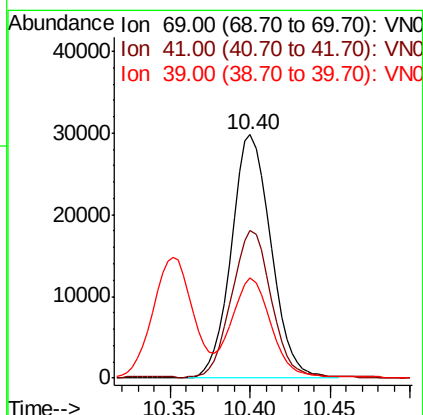
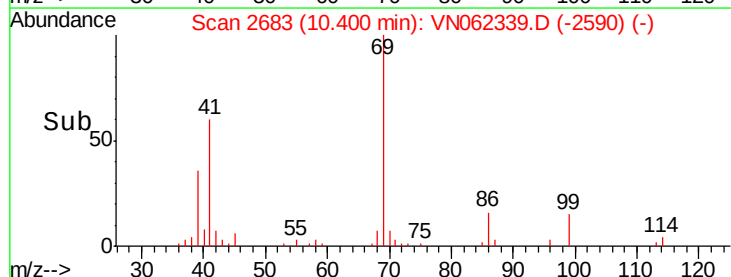
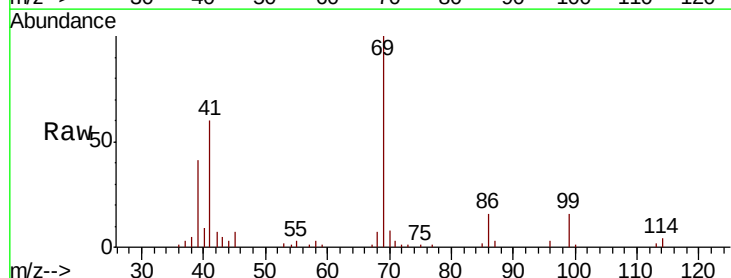
Manual Integrations
 APPROVED

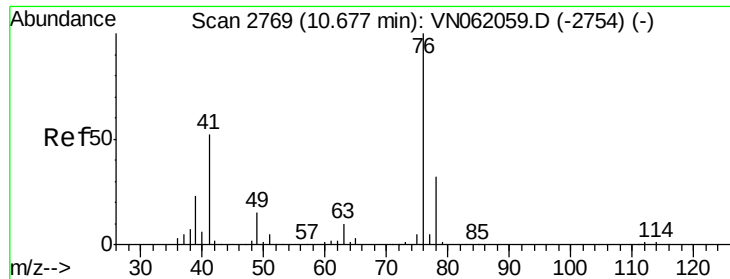
sam
 7/6/2020 11:34:05 AM



#56
 Ethyl methacrylate
 Concen: 19.280 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion:	69	Resp:	50427
Ion	Ratio	Lower	Upper
69	100		
41	61.1	46.6	70.0
39	39.7	31.0	46.4





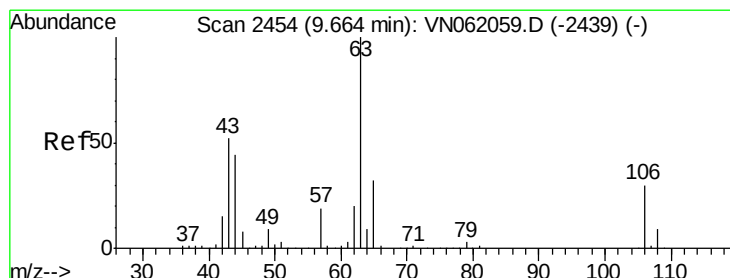
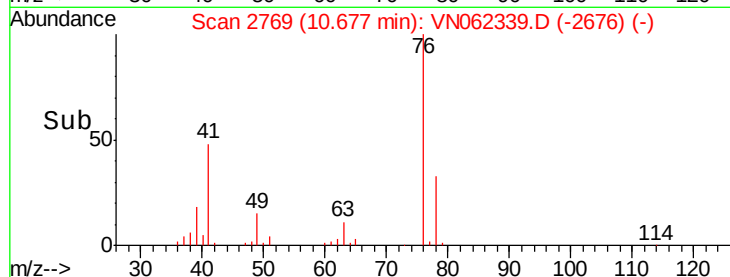
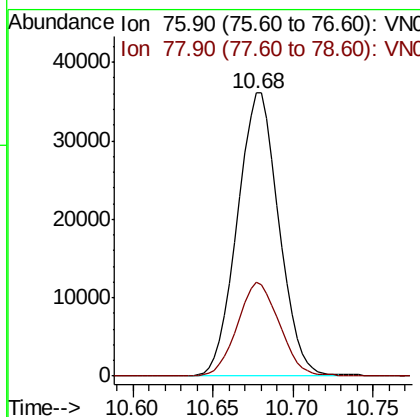
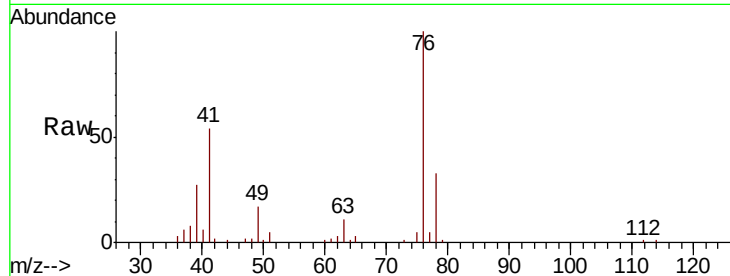
#57
 1,3-Dichloropropane
 Concen: 18.993 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion: 76 Resp: 64070
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.8 38.8

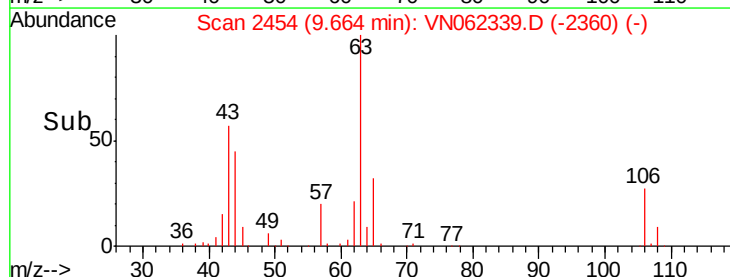
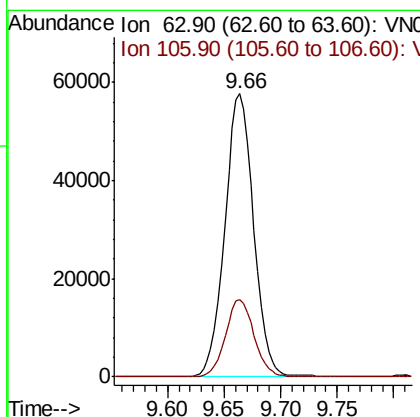
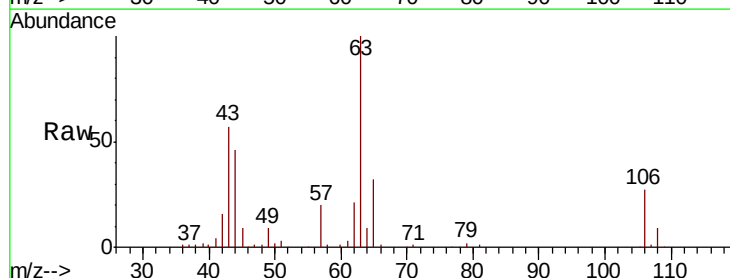
Manual Integrations
 APPROVED

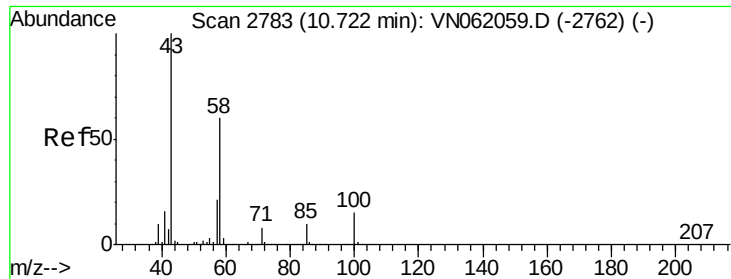
sam
 7/6/2020 11:34:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.835 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion: 63 Resp: 102042
 Ion Ratio Lower Upper
 63 100
 106 27.1 23.2 34.8





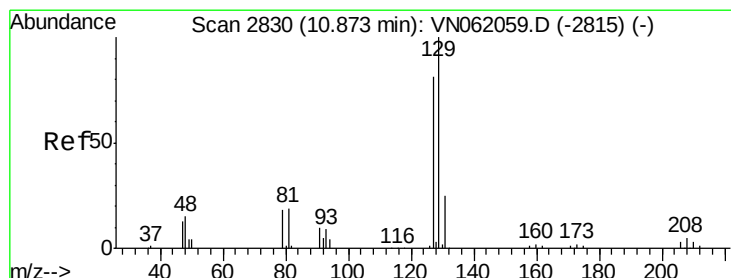
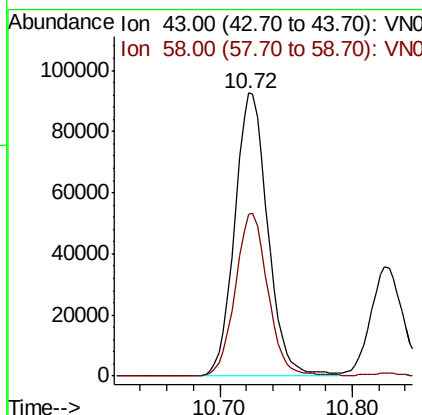
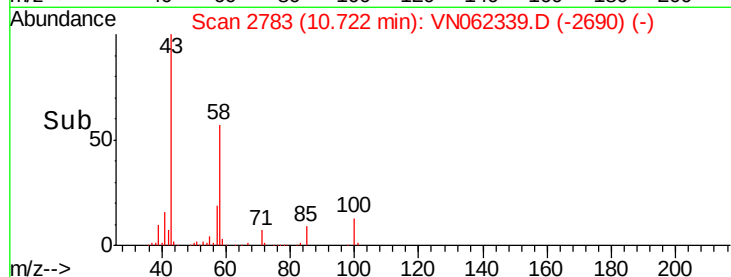
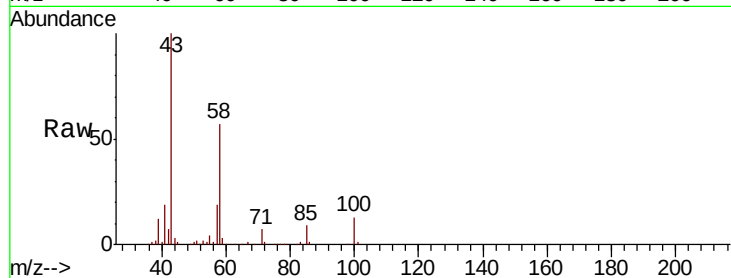
#59
2-Hexanone
Concen: 105.162 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	43	Resp	160559
Ion Ratio	100	Lower	Upper
43	100		
58	56.9	29.5	88.5

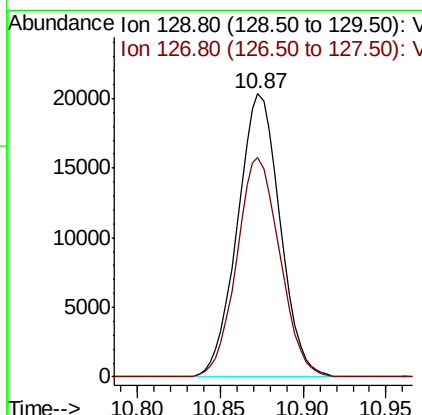
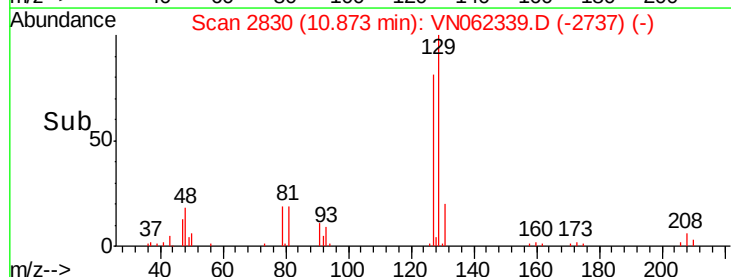
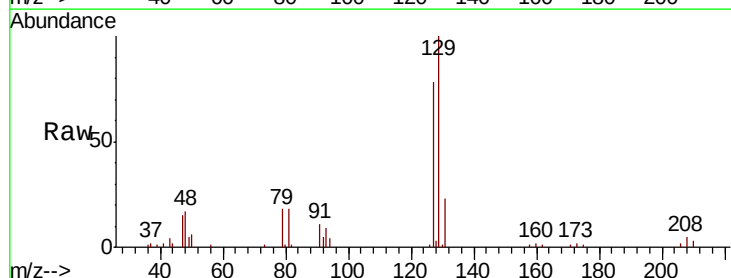
Manual Integrations
APPROVED

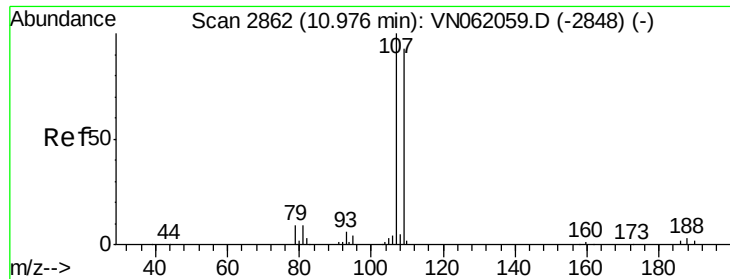
sam
7/6/2020 11:34:05 AM



#60
Dibromochloromethane
Concen: 17.538 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	129	Resp	36391
Ion Ratio	100	Lower	Upper
129	100		
127	78.5	39.5	118.5





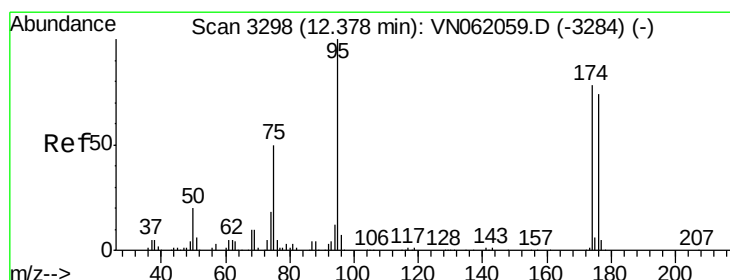
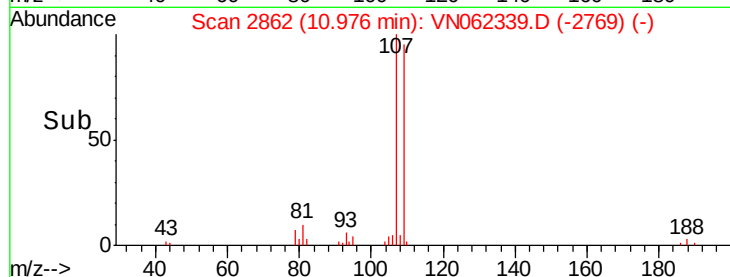
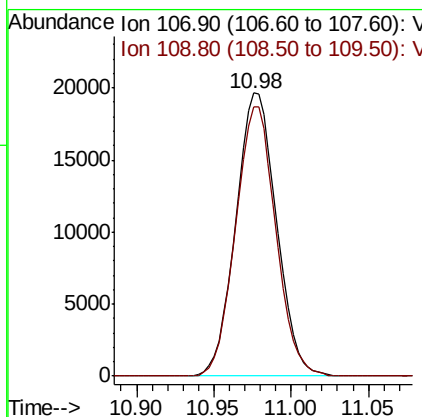
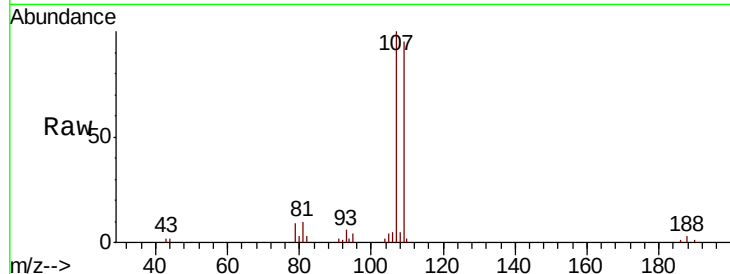
#61
 1,2-Dibromoethane
 Concen: 17.850 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Tot Ion:107 Resp: 35946
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.0 112.6

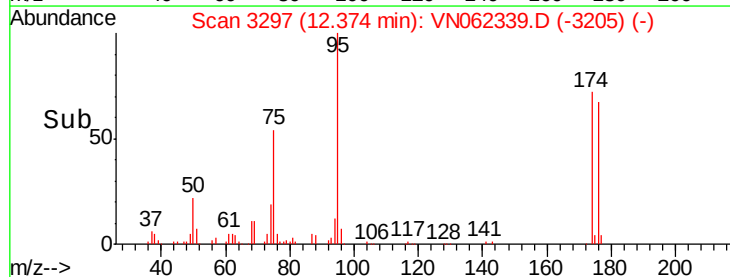
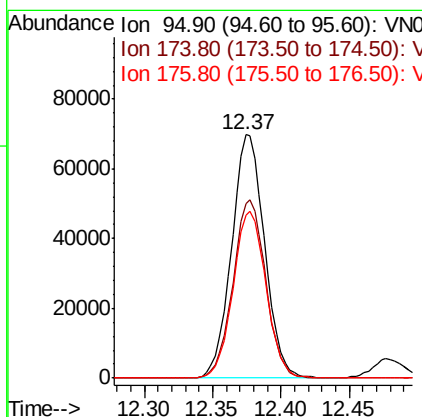
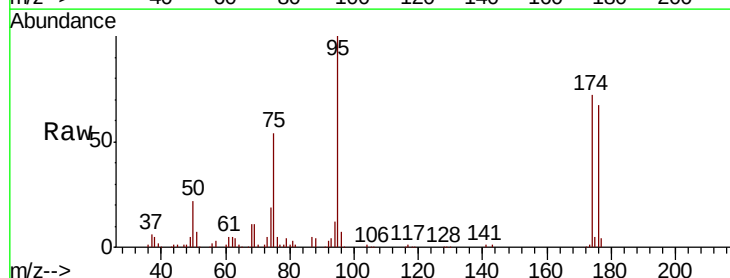
Manual Integrations
 APPROVED

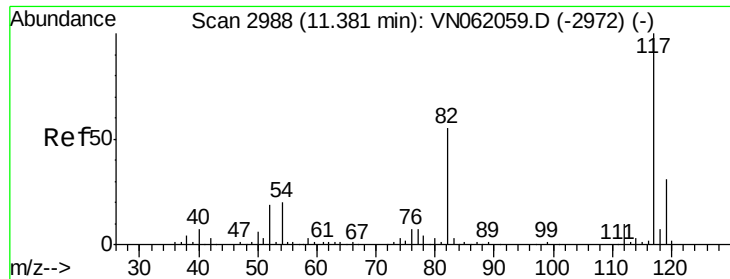
sam
 7/6/2020 11:34:05 AM



#62
 4-Bromofluorobenzene
 Concen: 50.684 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion: 95 Resp: 117128
 Ion Ratio Lower Upper
 95 100
 174 72.5 0.0 154.8
 176 68.4 0.0 147.4





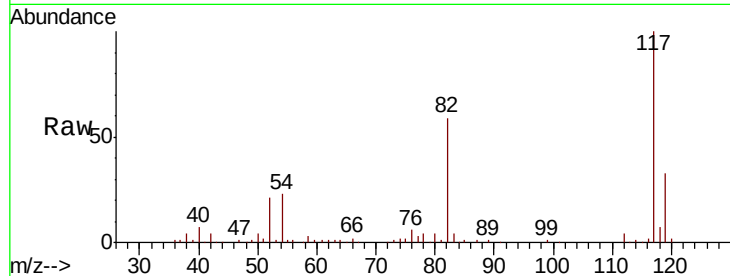
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248156		
82	59.1	43.8	65.8	
119	32.5	25.2	37.8	

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM

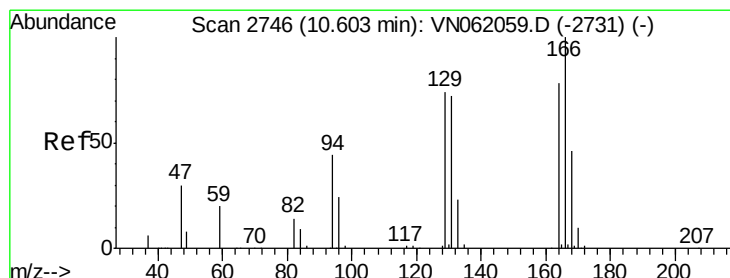
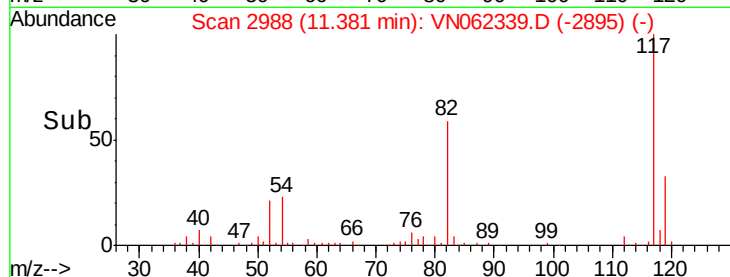
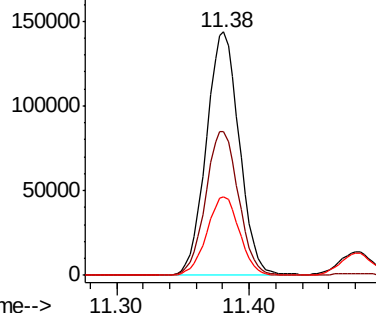


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 15.377 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26066		
166	122.3	102.9	154.3	
129	101.4	75.8	113.8	
131	95.5	73.8	110.6	

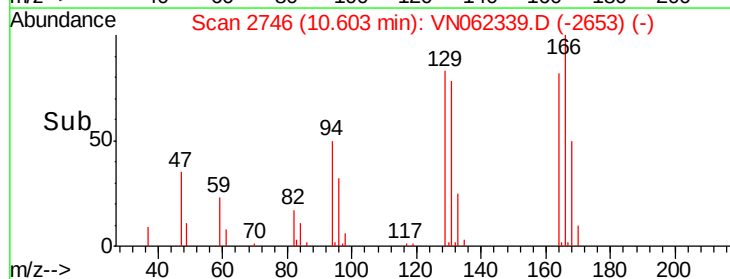
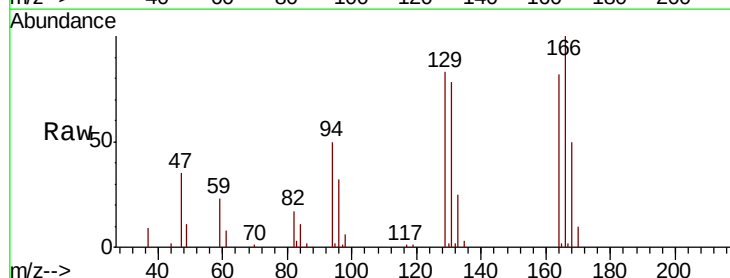
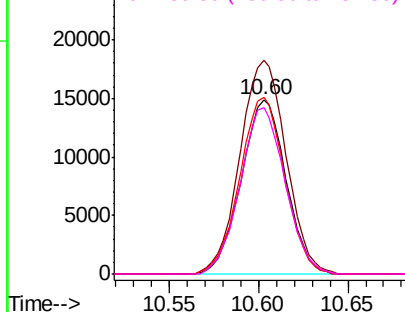
Abundance

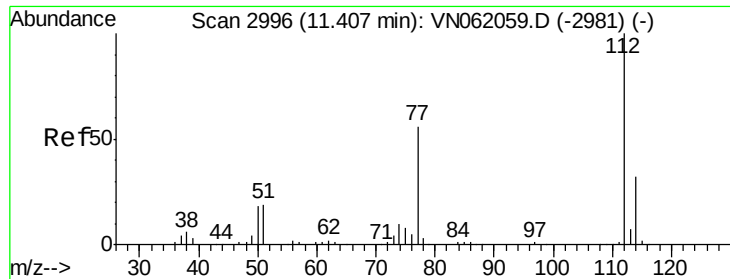
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





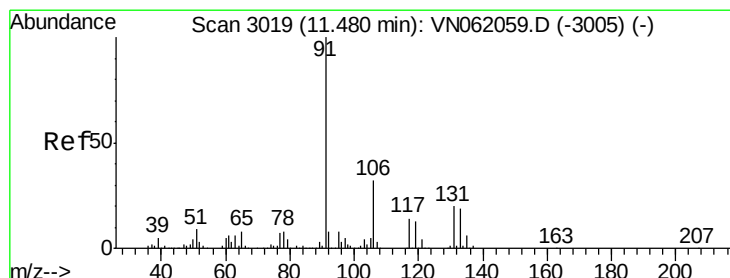
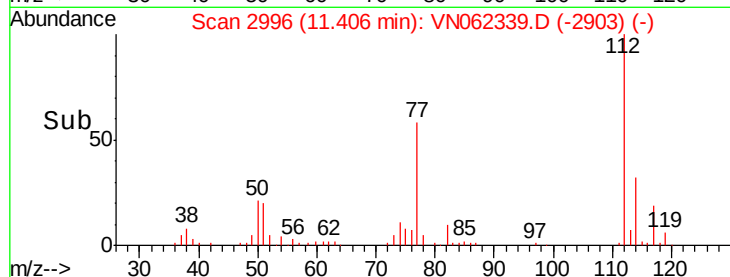
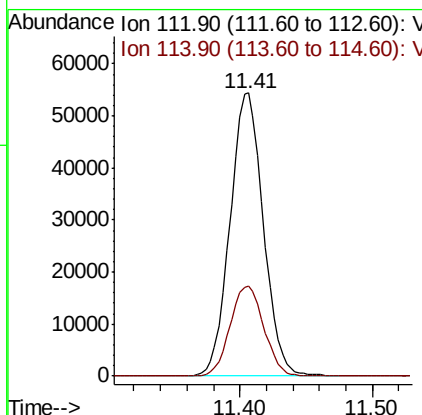
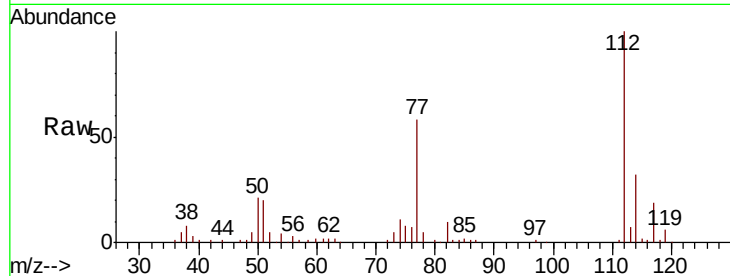
#65
Chlorobenzene
Concen: 17.411 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion:112 Resp: 94880
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

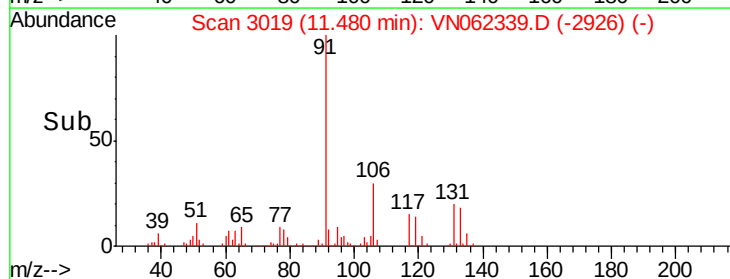
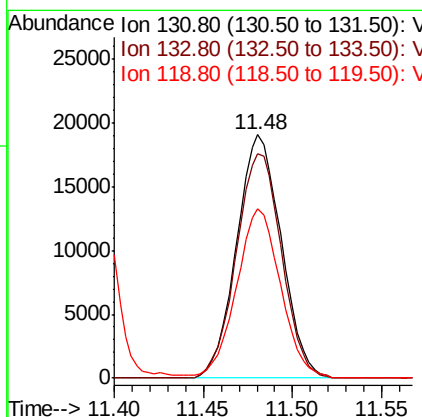
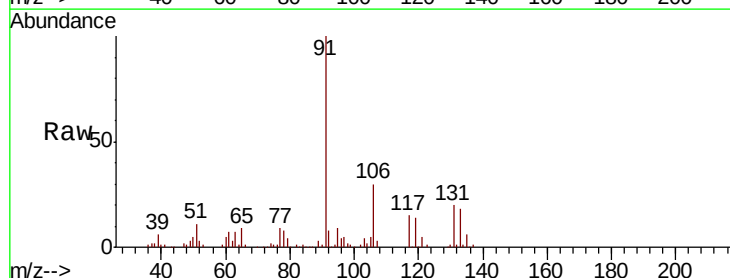
Manual Integrations
APPROVED

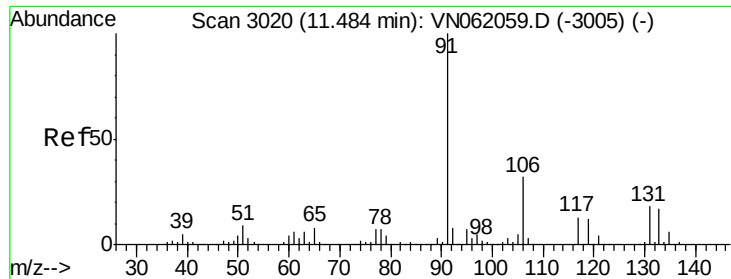
sam
7/6/2020 11:34:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.724 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion:131 Resp: 33400
Ion Ratio Lower Upper
131 100
133 93.4 47.6 142.9
119 68.7 34.4 103.3





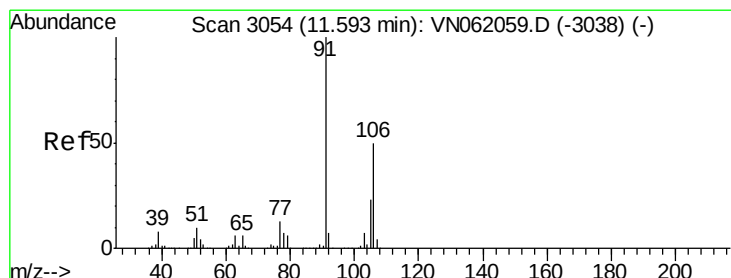
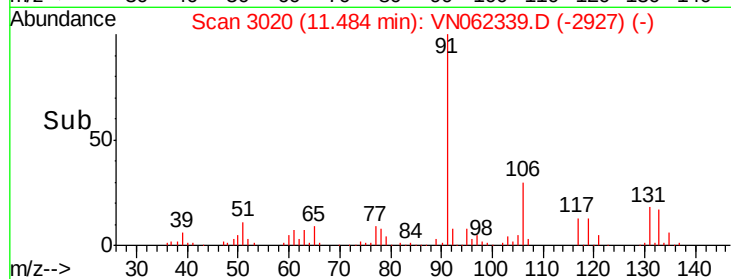
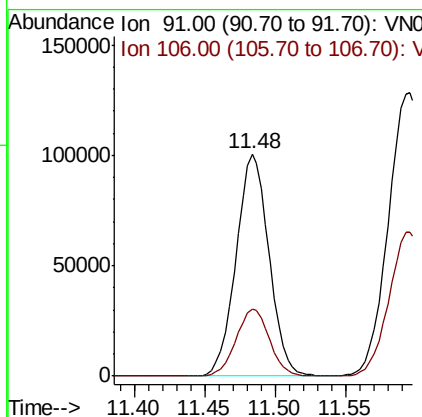
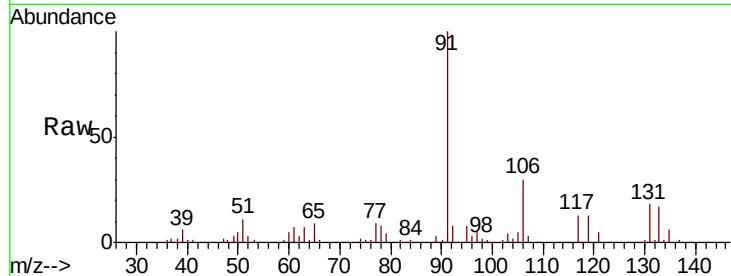
#67
Ethyl Benzene
Concen: 17.906 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion: 91 Resp: 164799
Ion Ratio Lower Upper
91 100
106 30.2 25.3 37.9

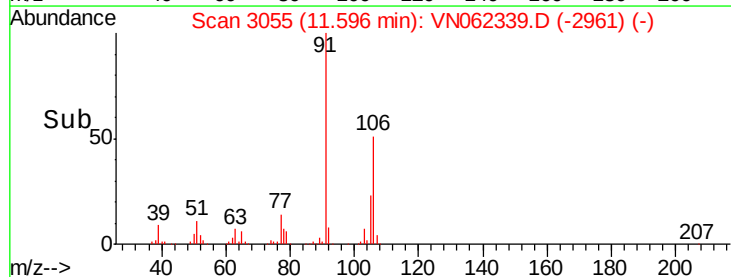
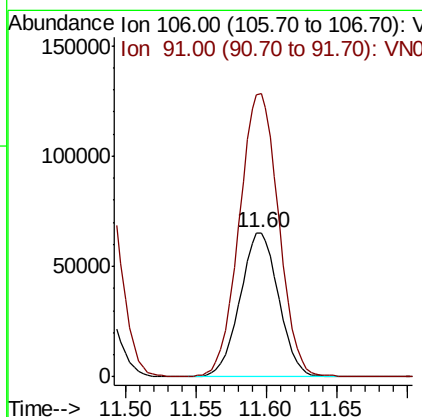
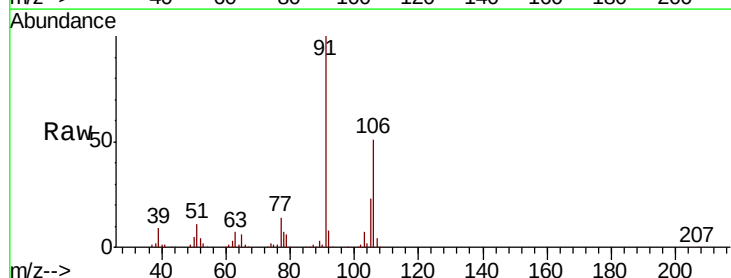
Manual Integrations
APPROVED

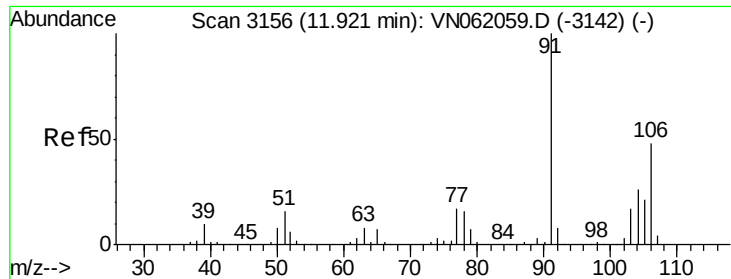
sam
7/6/2020 11:34:05 AM



#68
m/p-Xylenes
Concen: 35.068 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion: 106 Resp: 124834
Ion Ratio Lower Upper
106 100
91 200.5 157.8 236.8





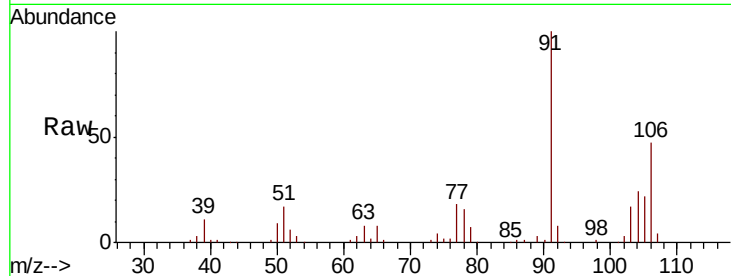
#69
o-Xylene
Concen: 17.500 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

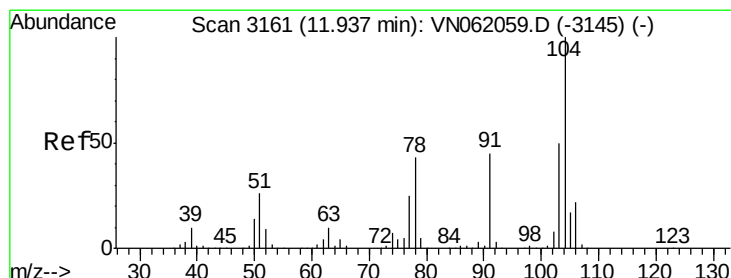
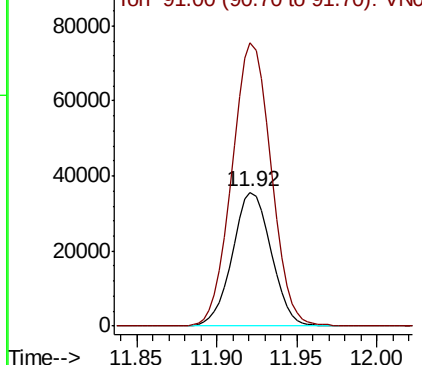
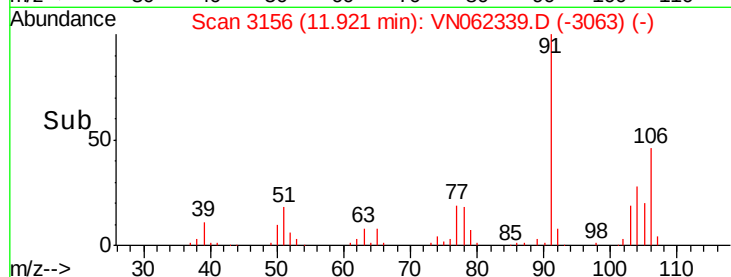
Tot Ion:106 Resp: 58779
Ion Ratio Lower Upper
106 100
91 214.5 104.0 311.9

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM

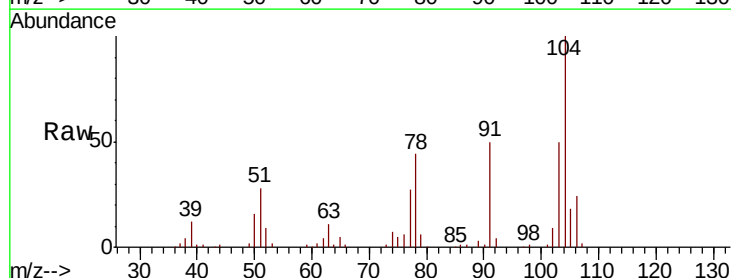


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

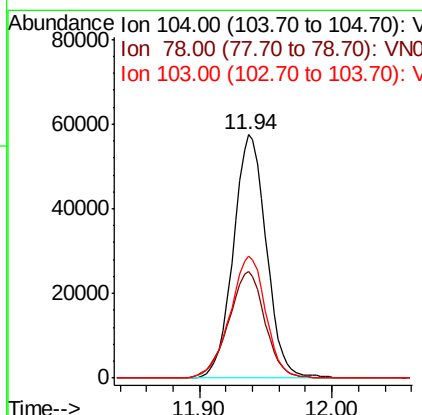
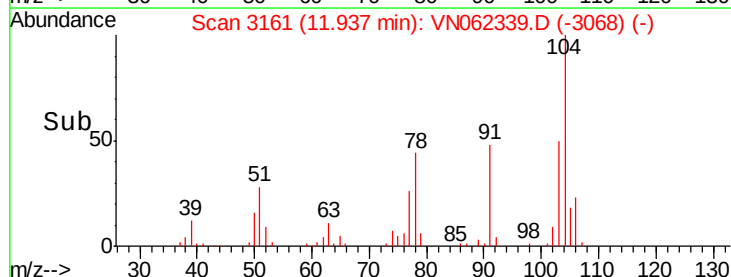


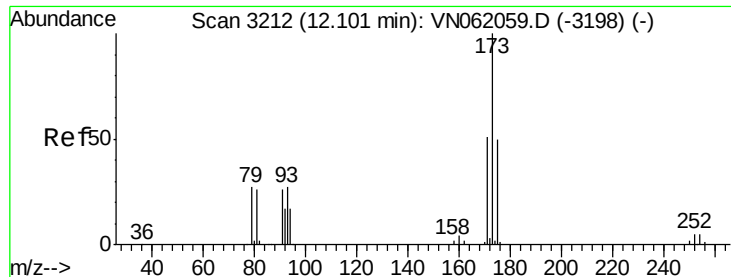
#70
Styrene
Concen: 17.740 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion:104 Resp: 99369
Ion Ratio Lower Upper
104 100
78 48.4 37.7 56.5
103 54.2 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.694 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

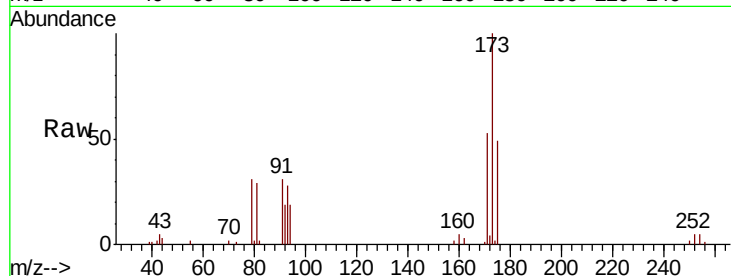
ClientSampled :

VN0702WBS01

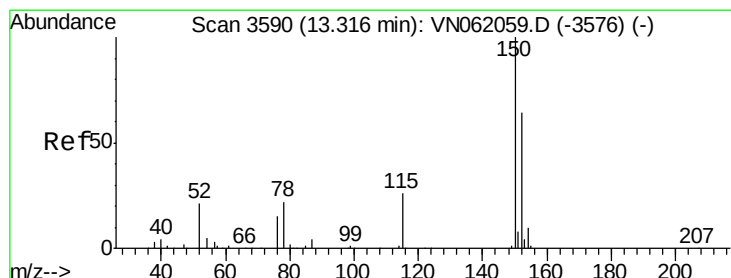
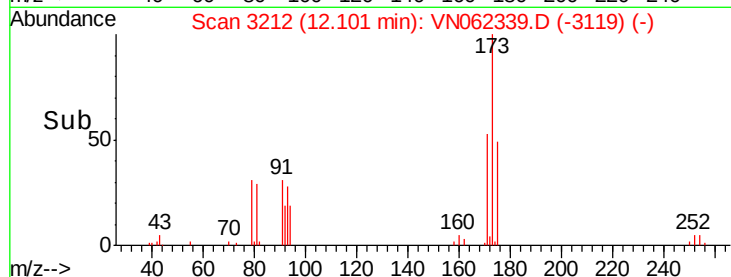
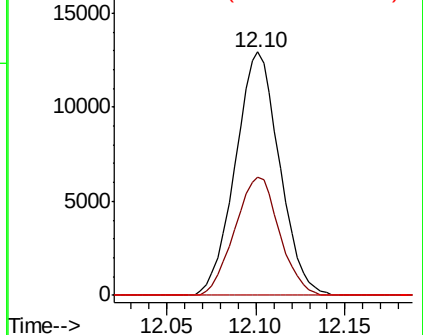
Tot Ion:	173	Resp:	22367
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



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

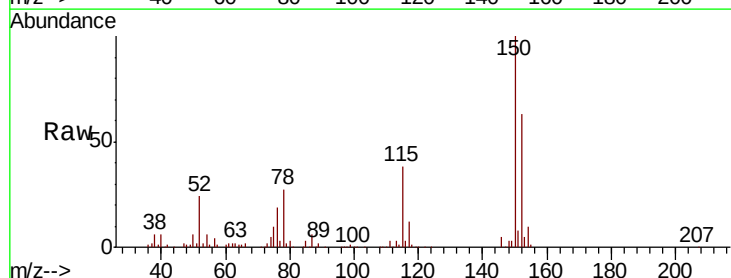
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

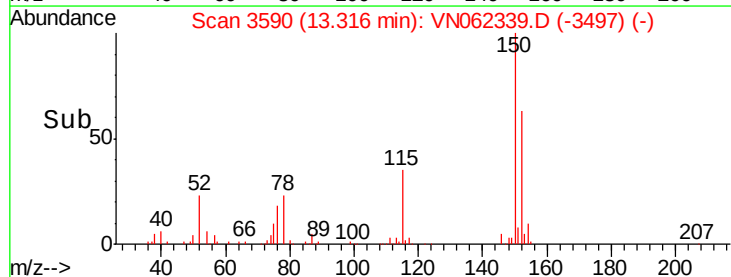
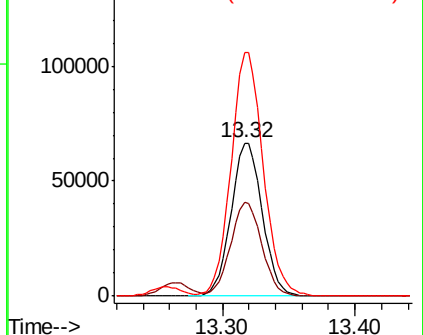
Lab File: VN062339.D

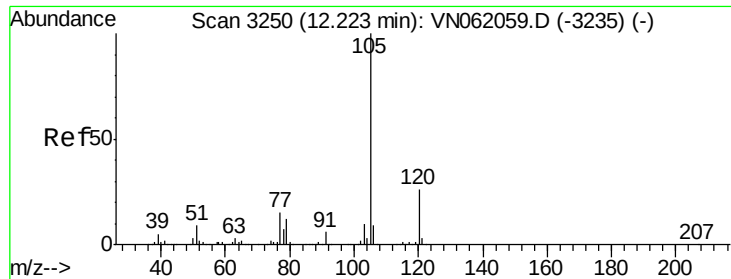
Acq: 2 Jul 2020 17:41

Tgt Ion:	152	Resp:	108878
Ion Ratio	Lower	Upper	
152	100		
115	61.7	29.5	88.5
150	163.8	0.0	351.4



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





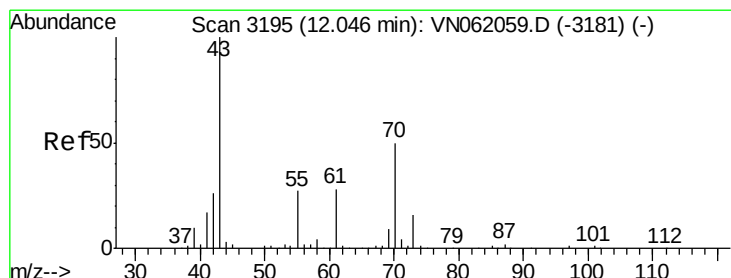
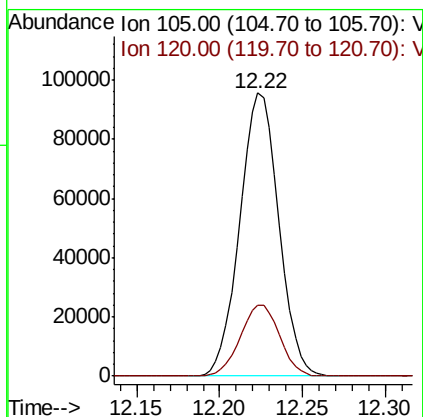
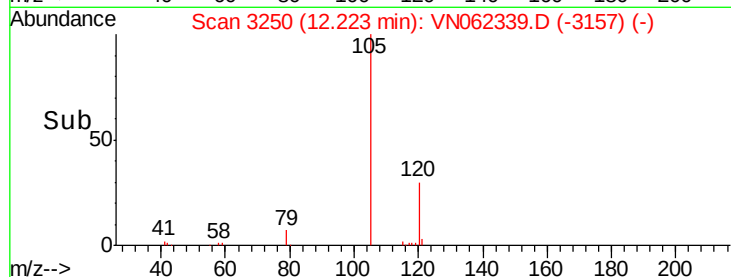
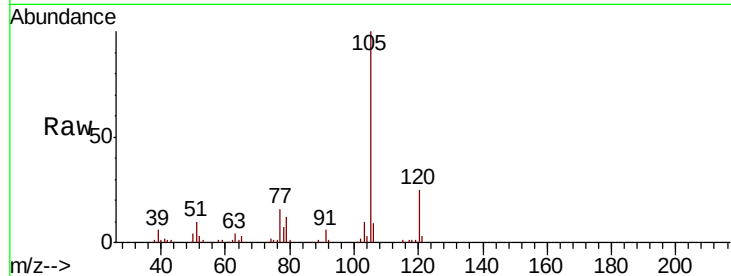
#73
Isopropylbenzene
Concen: 18.510 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	13.2	39.6

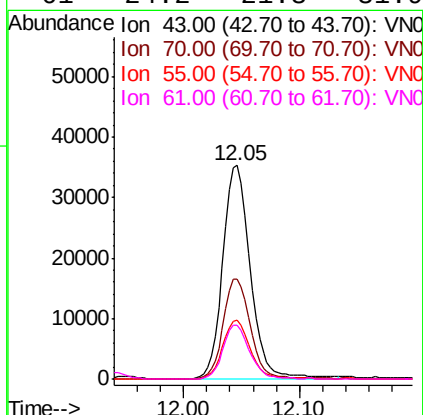
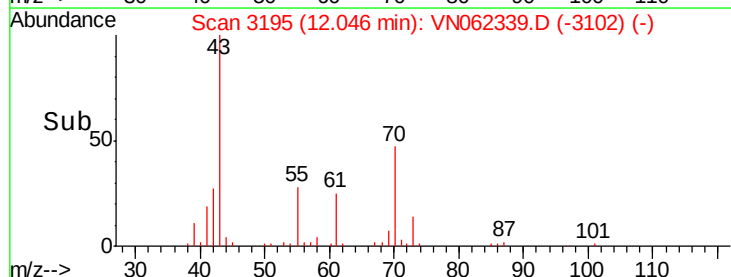
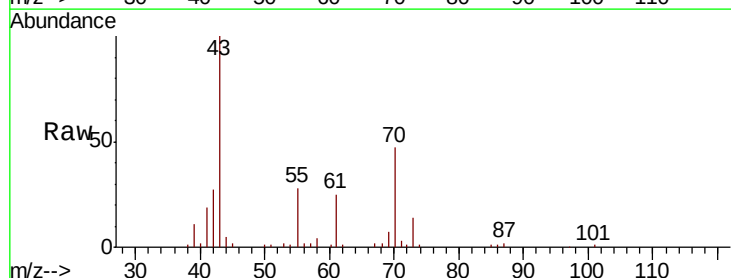
Manual Integrations
APPROVED

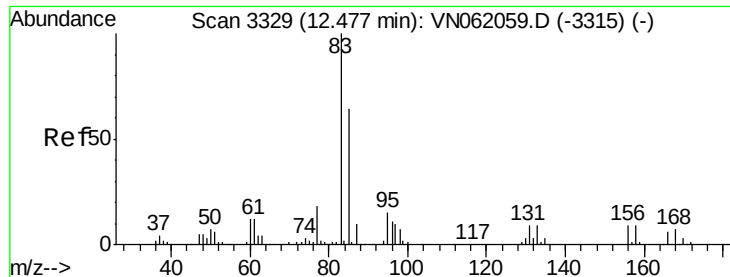
sam
7/6/2020 11:34:05 AM



#74
N-ethyl acetate
Concen: 20.916 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.4	39.4	59.2
55	27.3	21.7	32.5
61	24.2	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.093 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

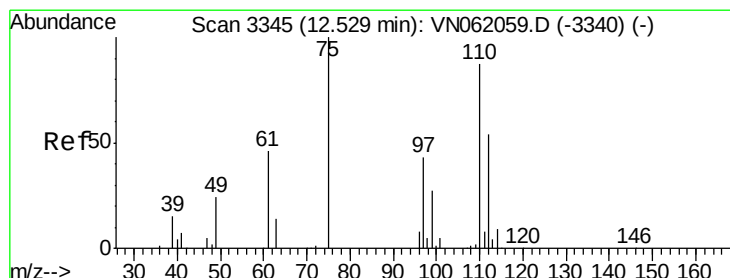
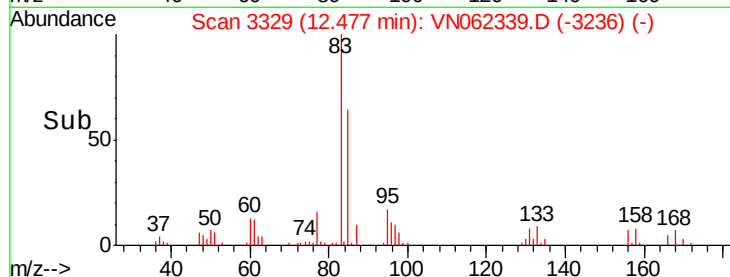
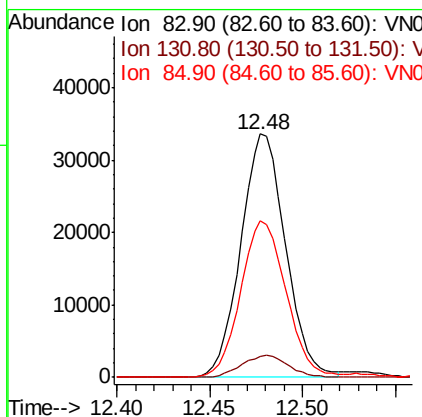
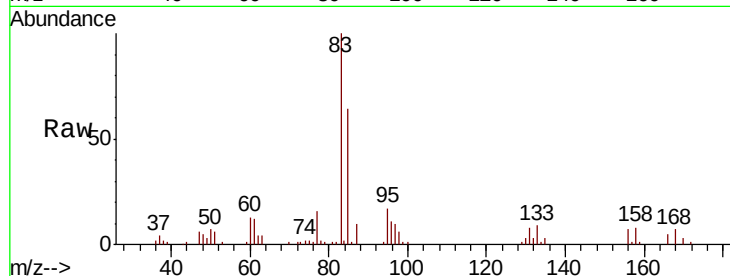
ClientSampled :

VN0702WBS01

Tot Ion:	83	Resp:	56353
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.4
85	64.9	32.4	97.0

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



#76

1,2,3-Trichloropropane

Concen: 19.880 ug/l m

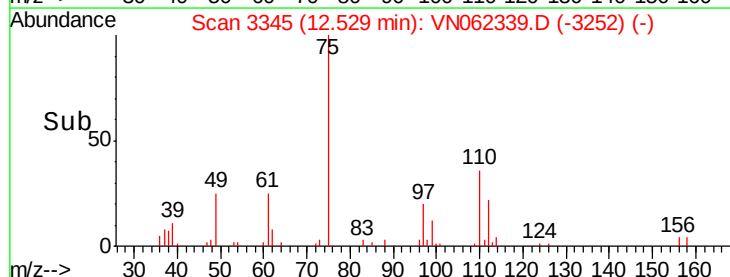
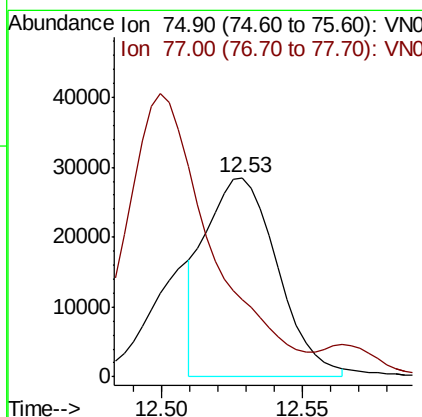
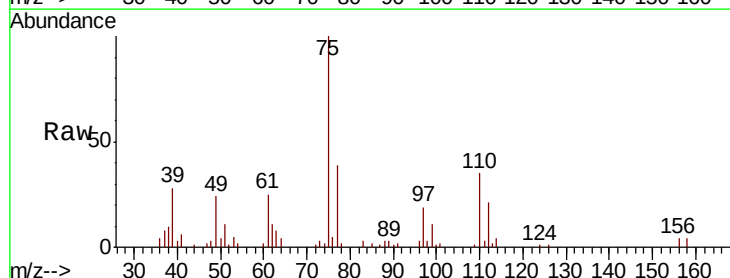
RT: 12.53 min Scan# 3345

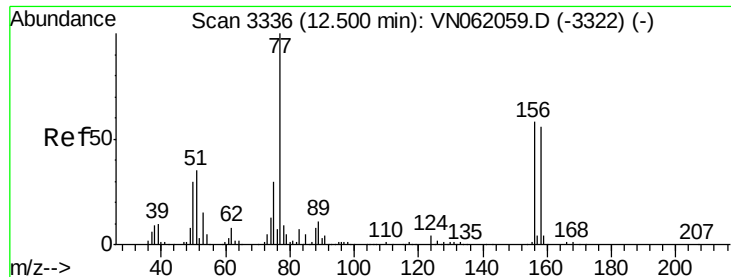
Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Tgt Ion:	75	Resp:	50953
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.357 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion:156 Resp: 36318

Ion Ratio Lower Upper

156 100

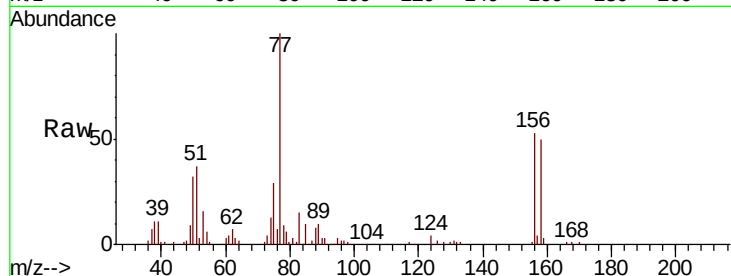
77 234.7 104.6 313.8

158 98.1 48.0 144.0

Manual Integrations
APPROVED

sam

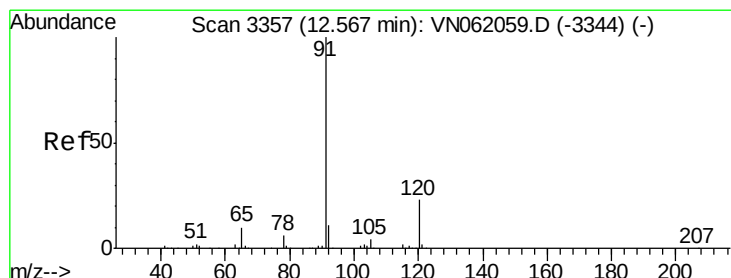
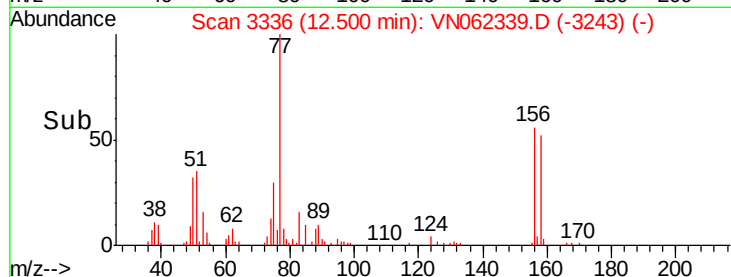
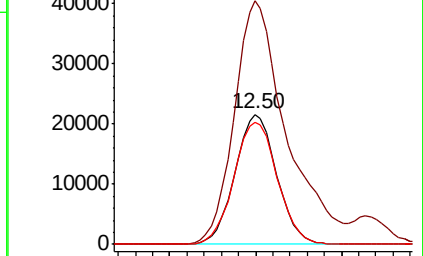
7/6/2020 11:34:05 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.844 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062339.D

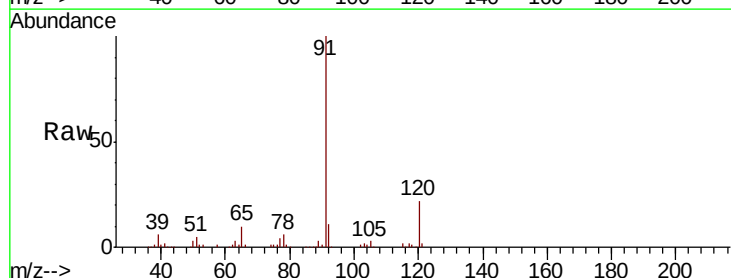
Acq: 2 Jul 2020 17:41

Tgt Ion: 91 Resp: 181665

Ion Ratio Lower Upper

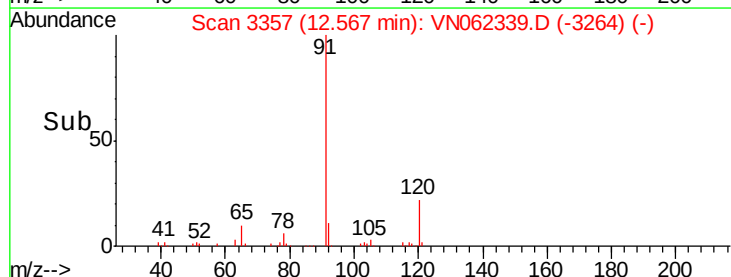
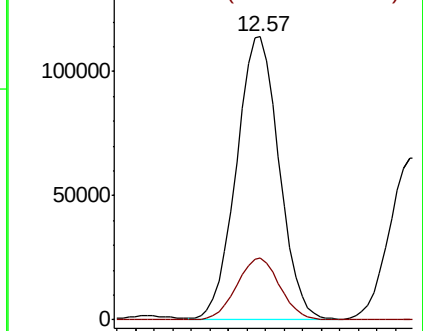
91 100

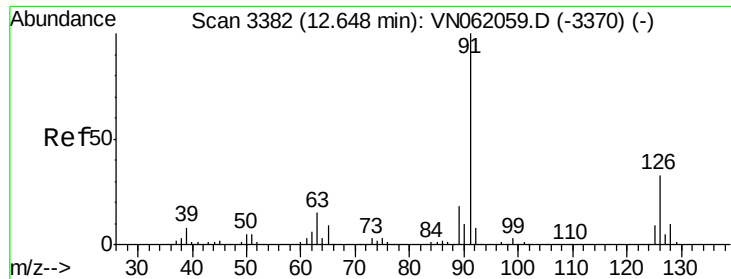
120 22.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





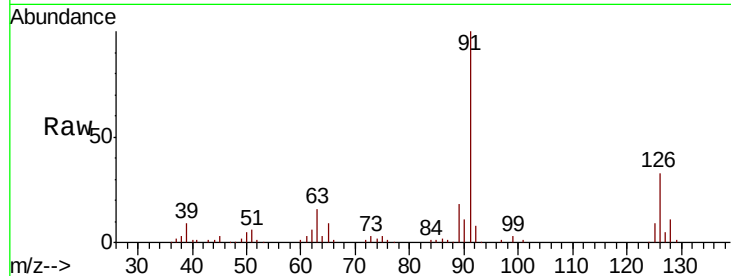
#79
 2-Chlorotoluene
 Concen: 18.697 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

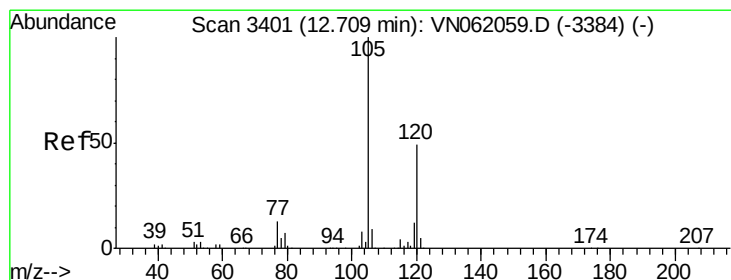
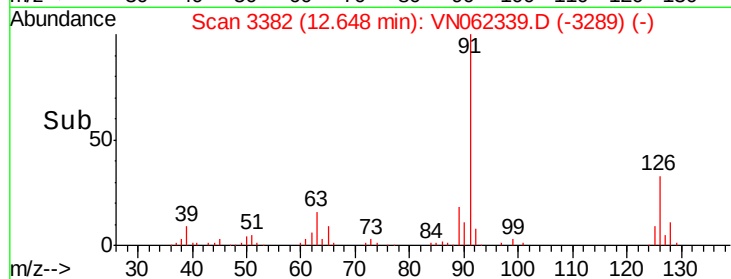
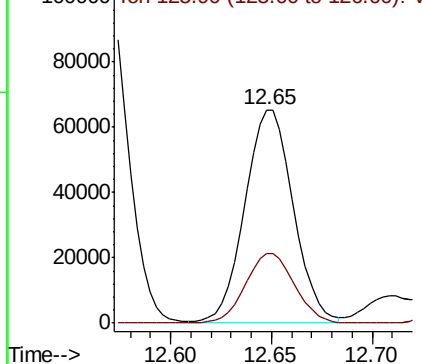
Tot Ion: 91 Resp: 108966
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.9 50.7

Manual Integrations
 APPROVED

sam
 7/6/2020 11:34:05 AM

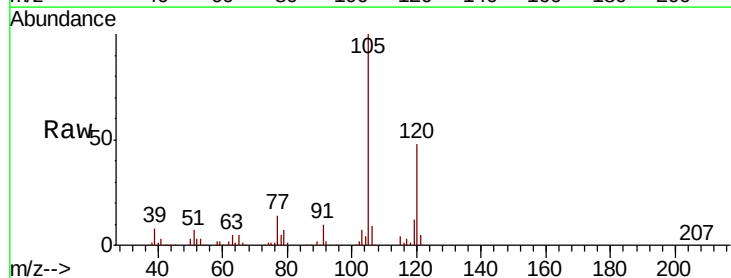


Abundance Ion 91.00 (90.70 to 91.70): VN062339.D (-3382) (-)
 Ion 125.90 (125.60 to 126.60): VN062339.D (-3382) (-)

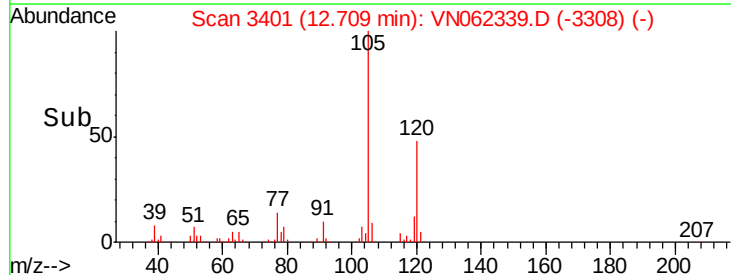
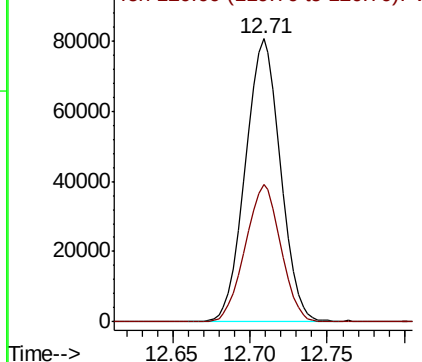


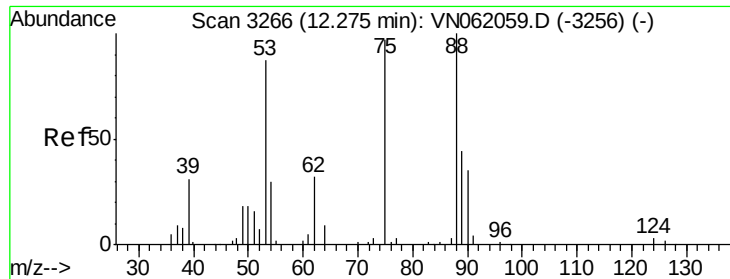
#80
 1,3,5-Trimethylbenzene
 Concen: 18.704 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion: 105 Resp: 127790
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062339.D (-3398) (-)
 Ion 120.00 (119.70 to 120.70): VN062339.D (-3398) (-)





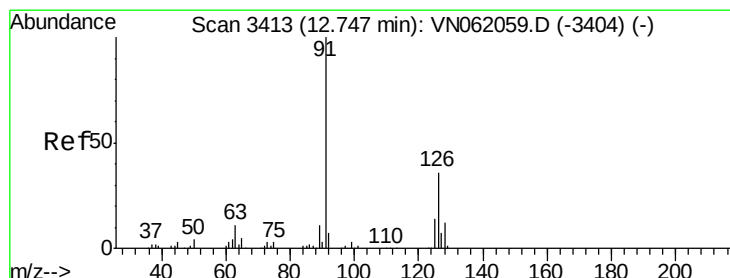
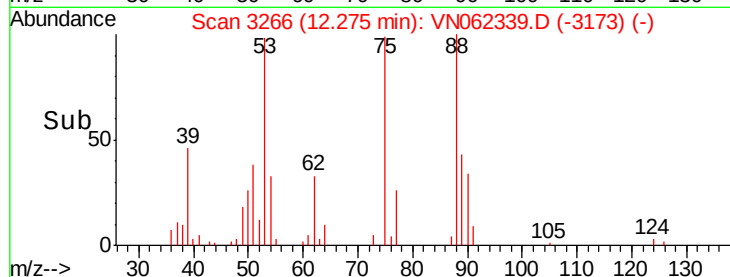
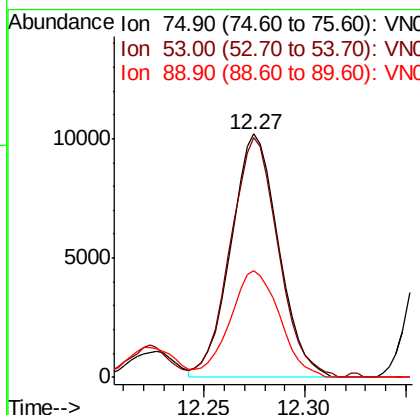
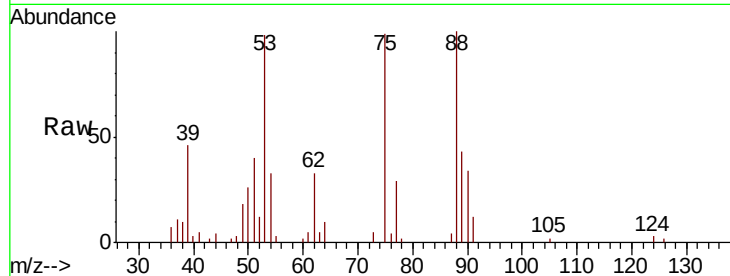
#81
trans-1,4-Dichloro-2-butene
Concen: 19.202 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Instrument :
MSVOA_N
ClientSampled :
VN0702WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	72.0	108.0
89	45.6	36.9	55.3

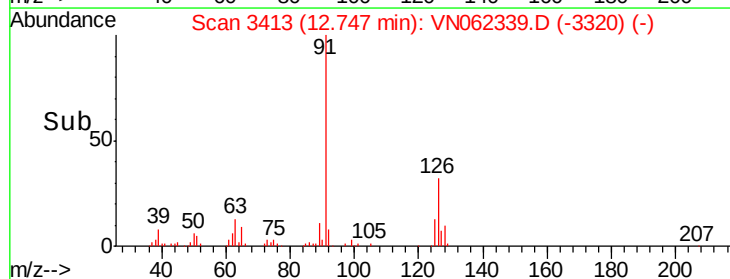
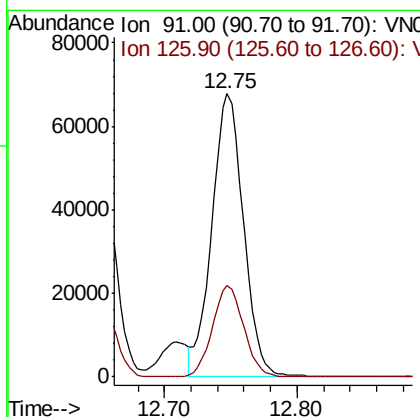
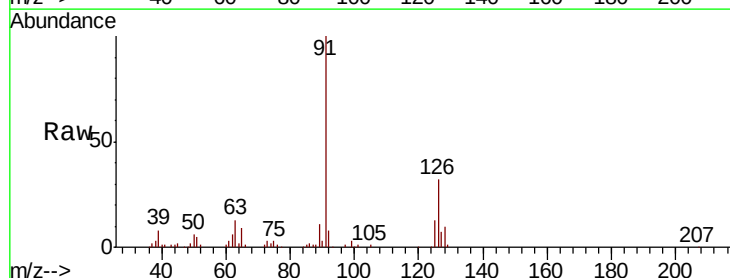
Manual Integrations
APPROVED

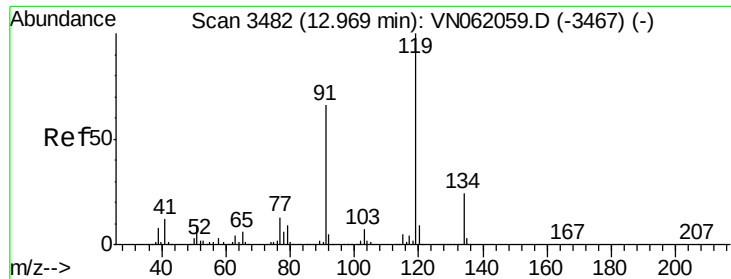
sam
7/6/2020 11:34:05 AM



#82
4-Chlorotoluene
Concen: 18.676 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062339.D
Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.7	50.1





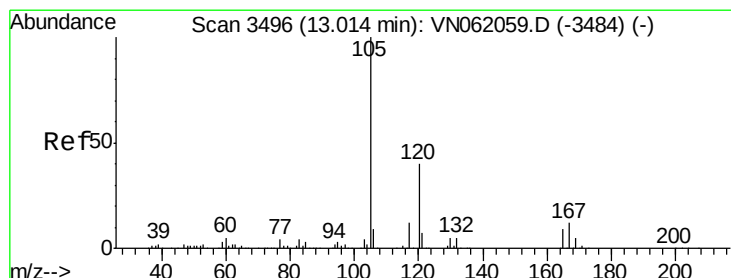
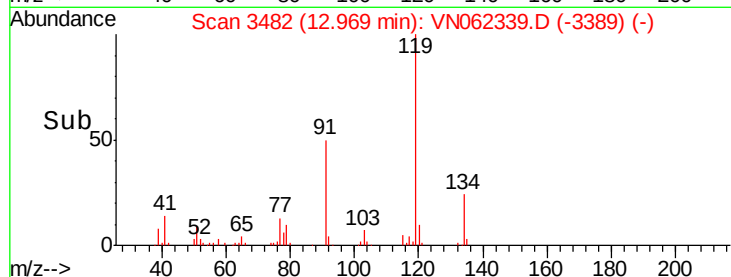
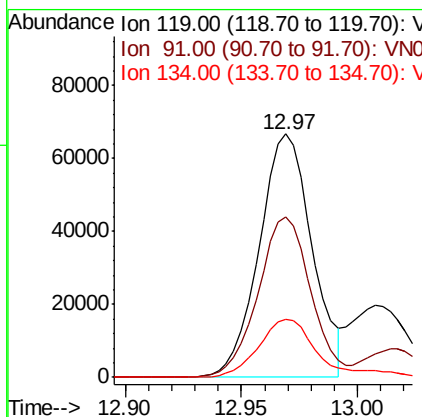
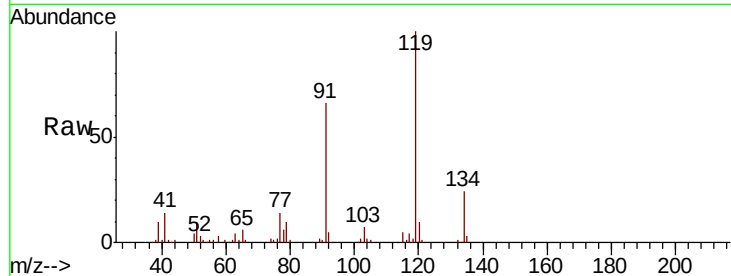
#83
 tert-Butylbenzene
 Concen: 18.154 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	31.7	95.1
134	27.1	13.1	39.1

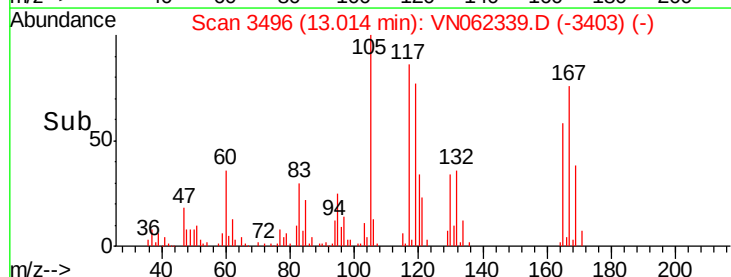
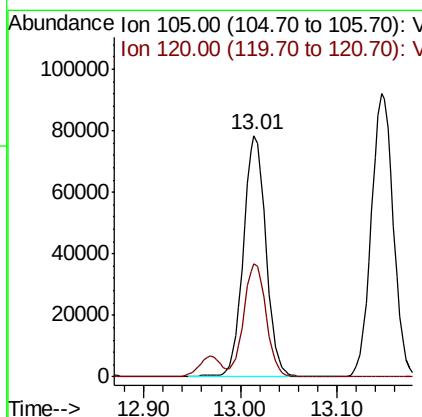
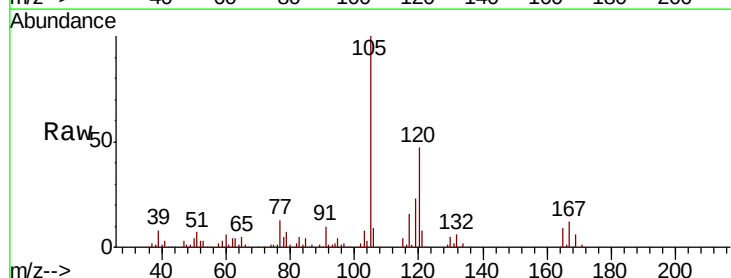
Manual Integrations
 APPROVED

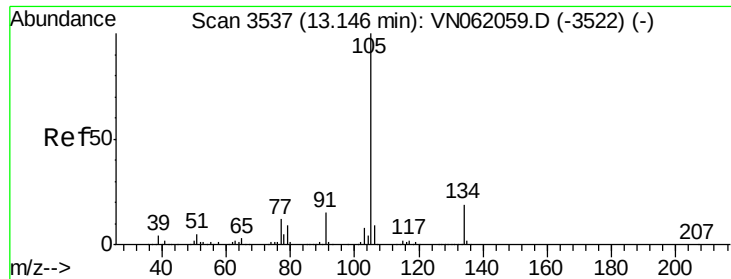
sam
 7/6/2020 11:34:05 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.646 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.5





#85

sec-Butylbenzene

Concen: 18.817 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

ClientSampled :

VN0702WBS01

Tot Ion:105 Resp: 145384

Ion Ratio Lower Upper

105 100

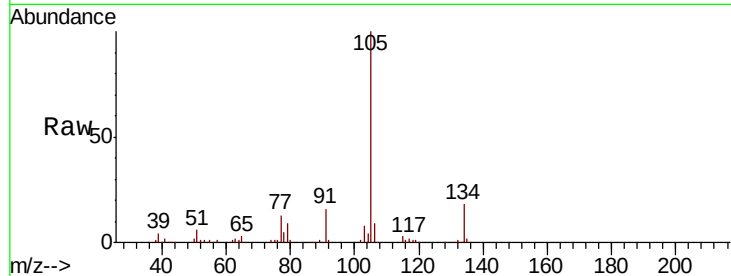
134 19.1 9.7 29.1

Manual Integrations

APPROVED

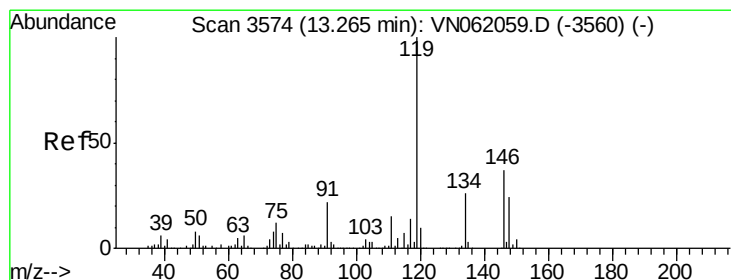
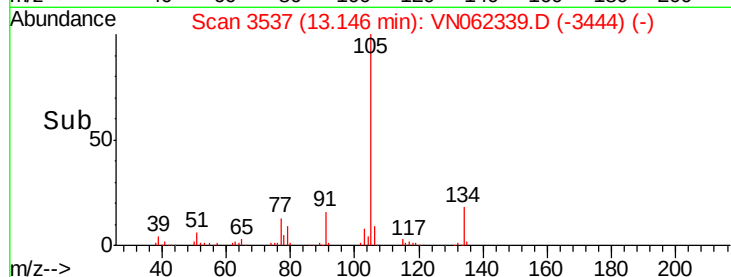
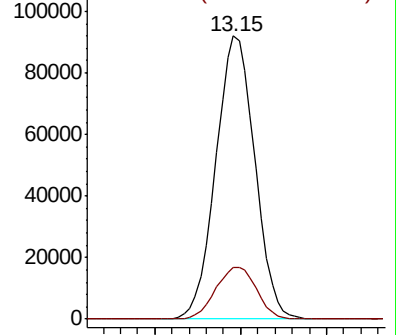
sam

7/6/2020 11:34:05 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.162 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

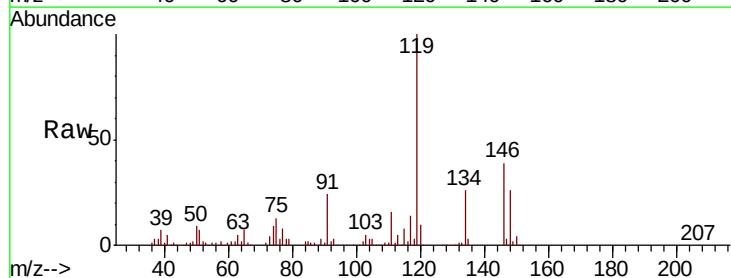
Tgt Ion:119 Resp: 122942

Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

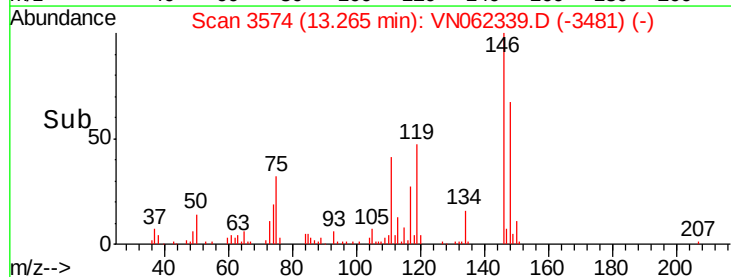
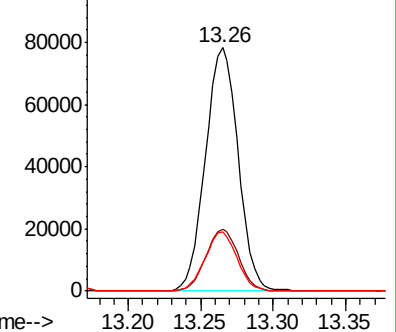
91 23.8 11.3 33.8

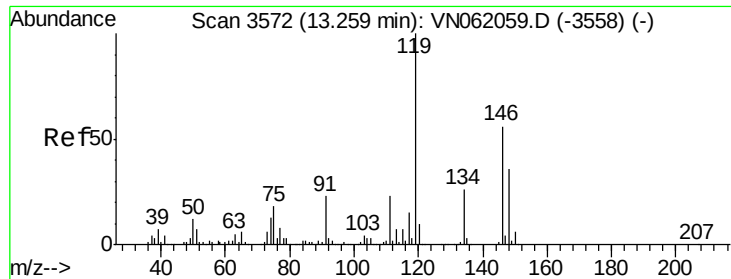


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





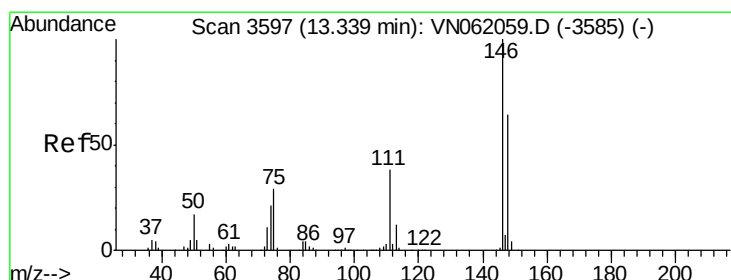
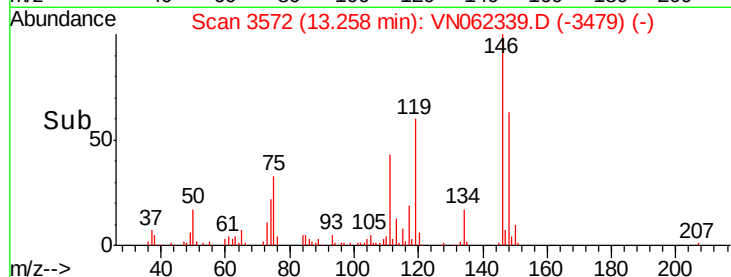
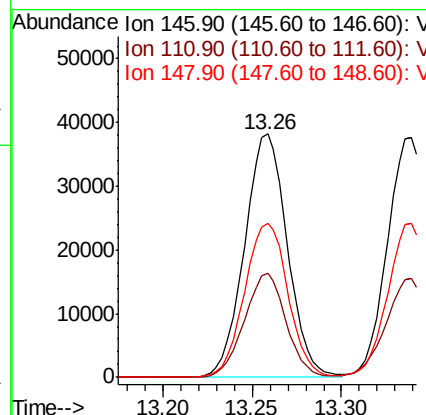
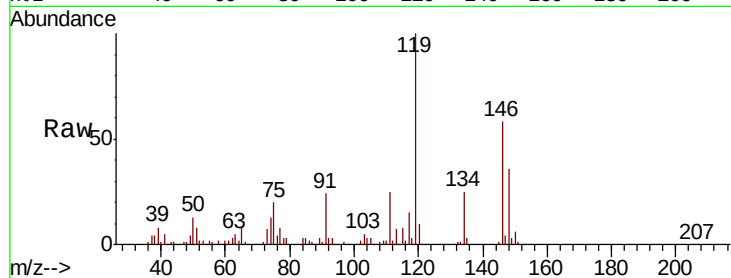
#87
 1,3-Dichlorobenzene
 Concen: 17.375 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	64.4	31.8	95.3

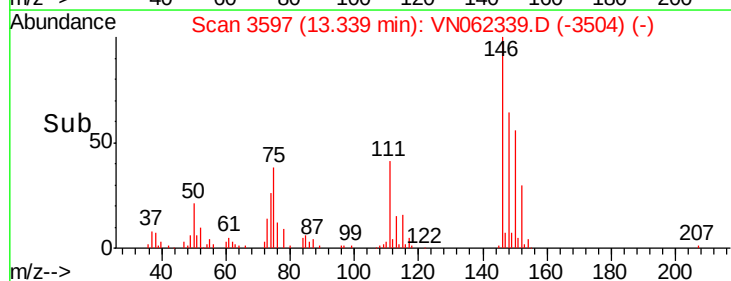
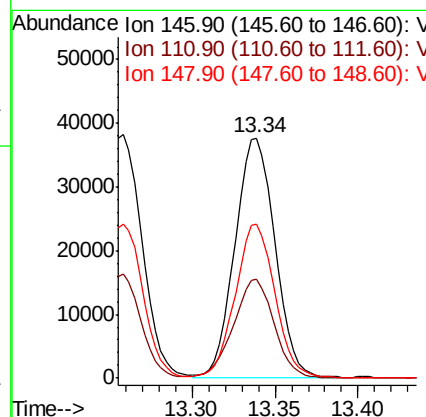
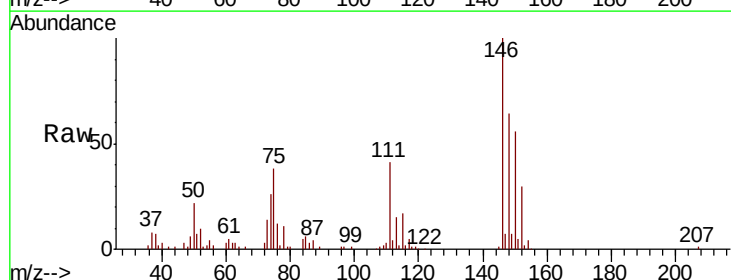
Manual Integrations
 APPROVED

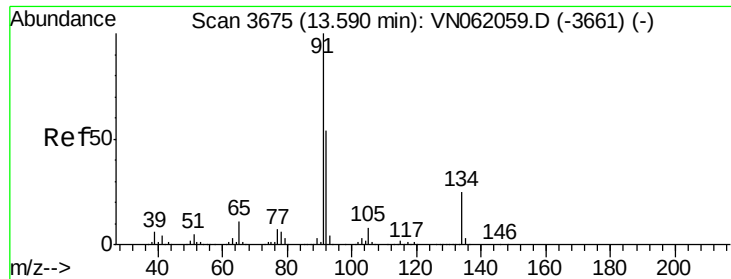
sam
 7/6/2020 11:34:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 16.793 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.9	59.6
148	63.7	31.9	95.9





#89

n-Butylbenzene

Concen: 17.200 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

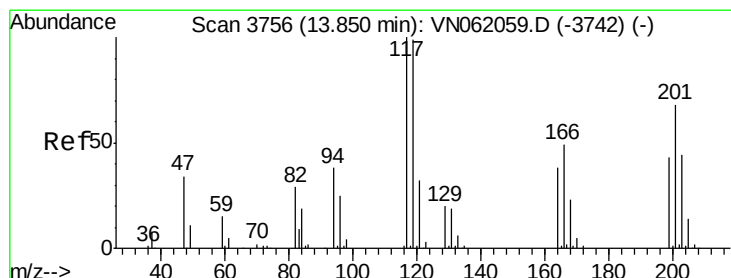
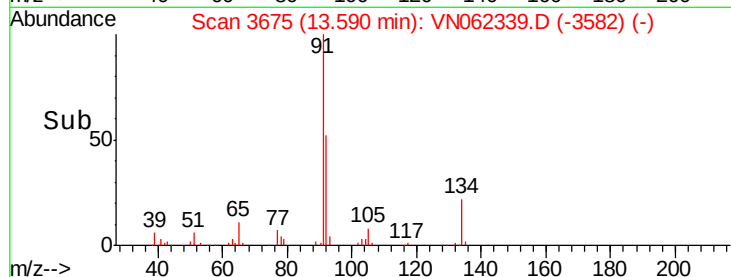
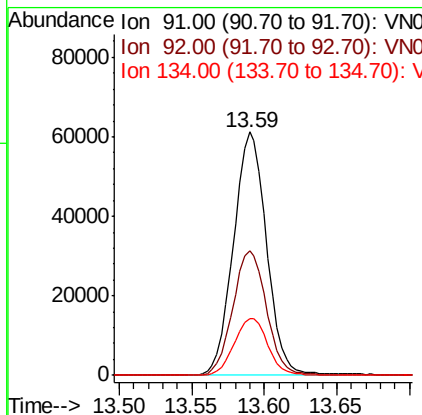
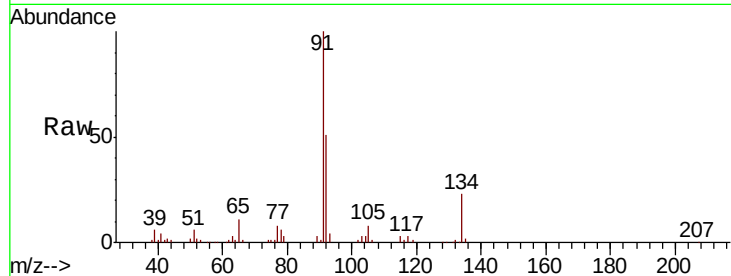
ClientSampled :

VN0702WBS01

Tot Ion:	91	Resp:	96796
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.6	79.7
134	23.7	12.3	36.9

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



#90

Hexachloroethane

Concen: 19.100 ug/l

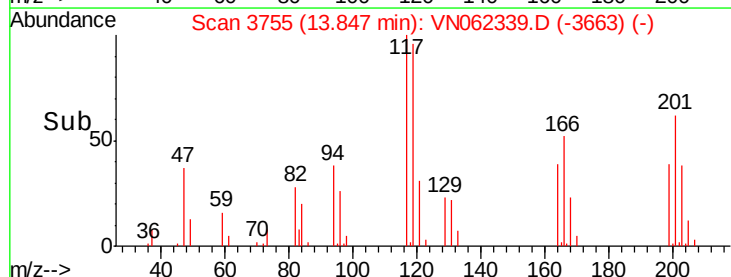
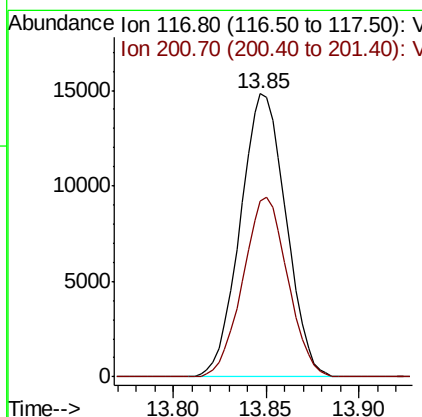
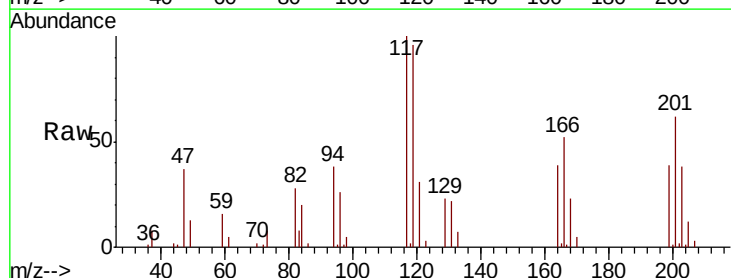
RT: 13.85 min Scan# 3755

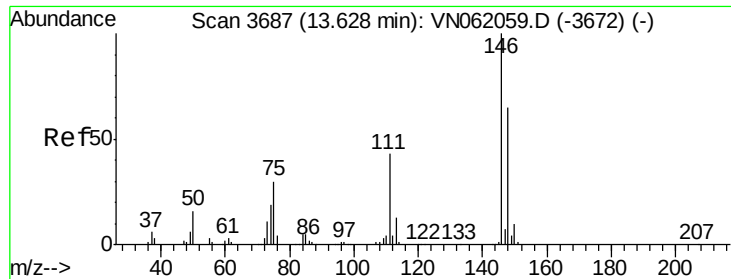
Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Tgt Ion:	117	Resp:	25366
Ion	Ratio	Lower	Upper
117	100		
201	62.1	32.7	98.1





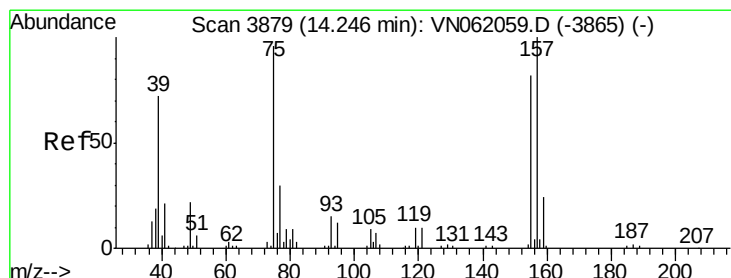
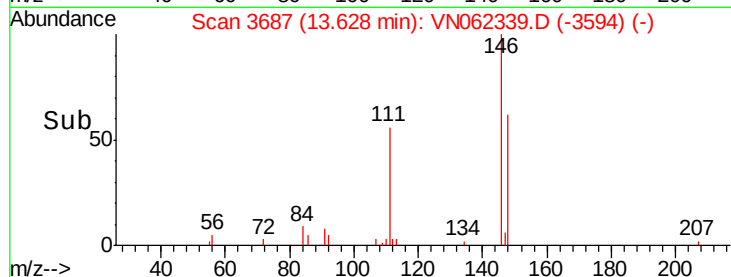
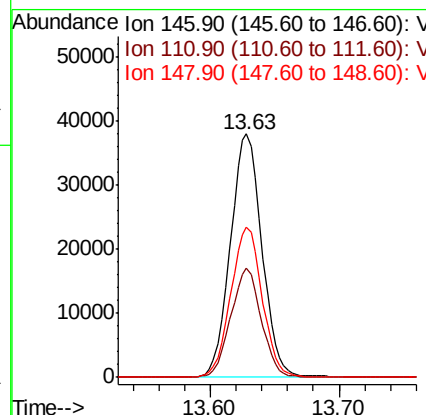
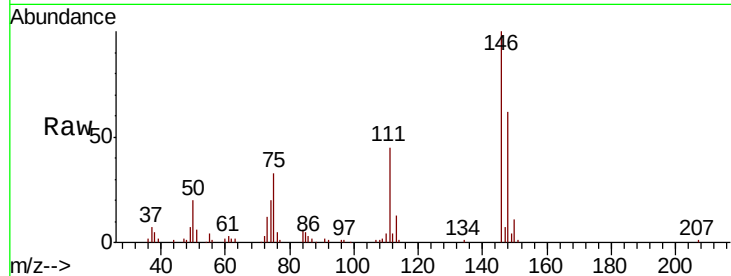
#91
 1,2-Dichlorobenzene
 Concen: 18.007 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.2	63.6
148	61.5	31.9	95.5

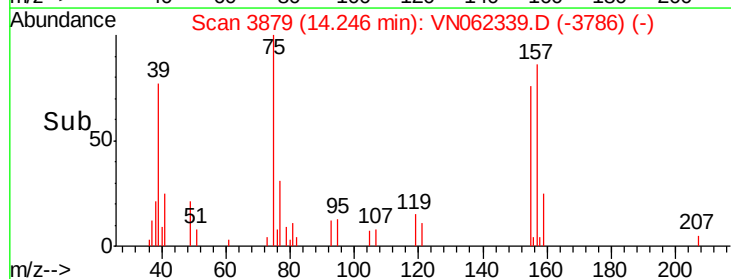
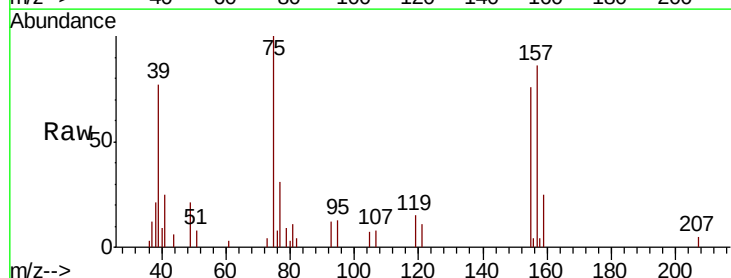
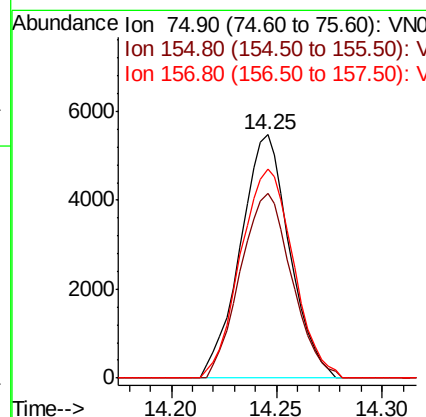
Manual Integrations
 APPROVED

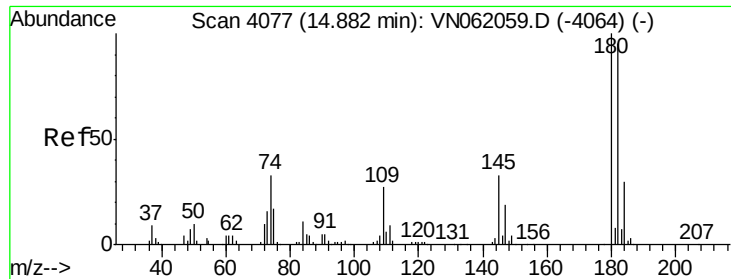
sam
 7/6/2020 11:34:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.776 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	40.8	122.4
157	92.2	51.4	154.3





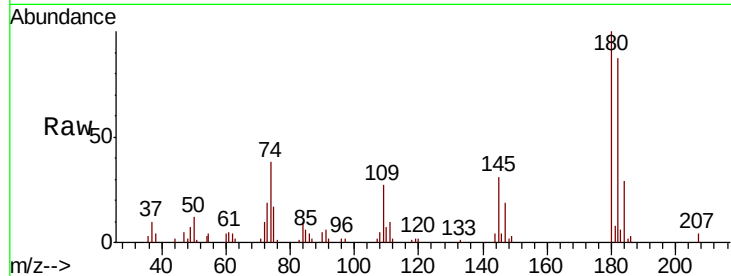
#93
 1,2,4-Trichlorobenzene
 Concen: 15.861 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	24687		
182	90.4	48.0	144.2	
145	31.5	16.0	48.0	

Manual Integrations
 APPROVED

sam
 7/6/2020 11:34:05 AM

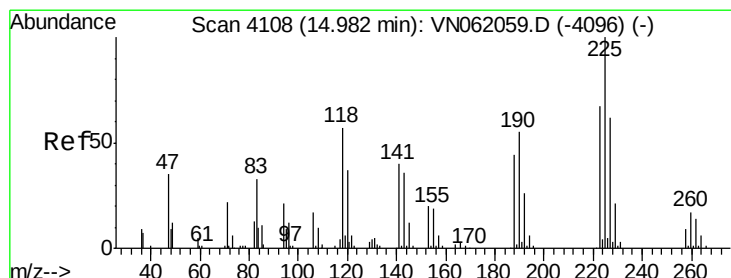
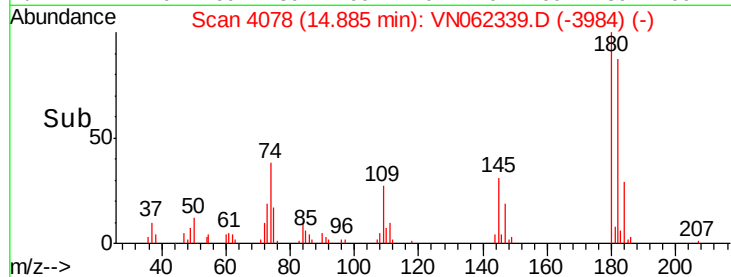
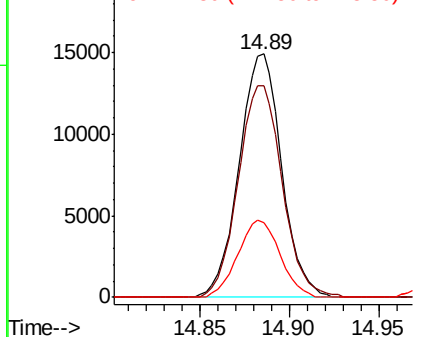


Abundance

Ion 179.80 (179.50 to 180.50): V

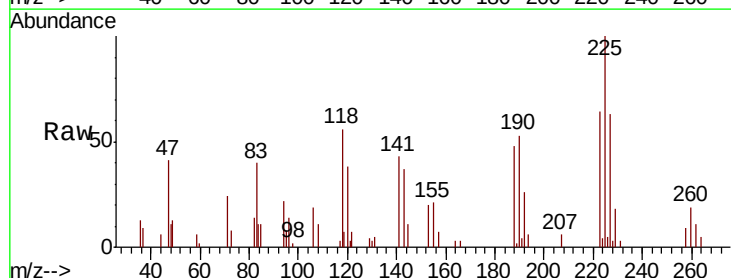
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.712 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062339.D
 Acq: 2 Jul 2020 17:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11974		
223	64.8	32.9	98.7	
227	65.8	31.3	93.8	

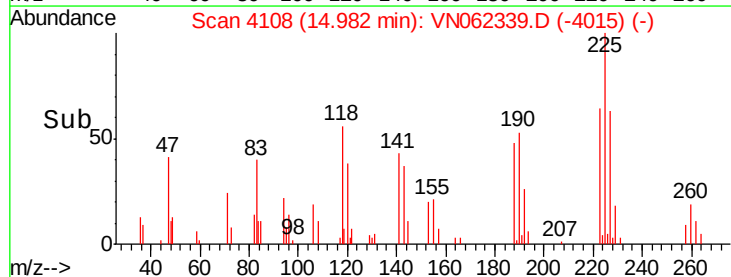
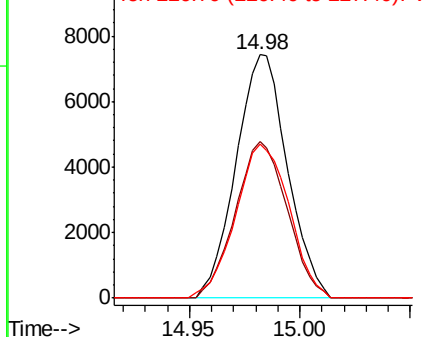


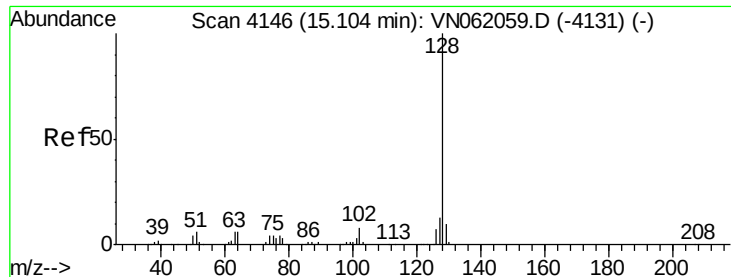
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.302 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Instrument :

MSVOA_N

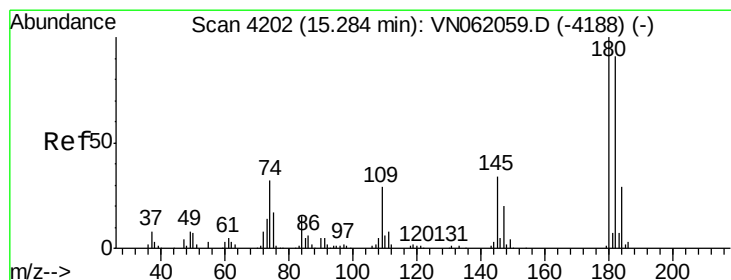
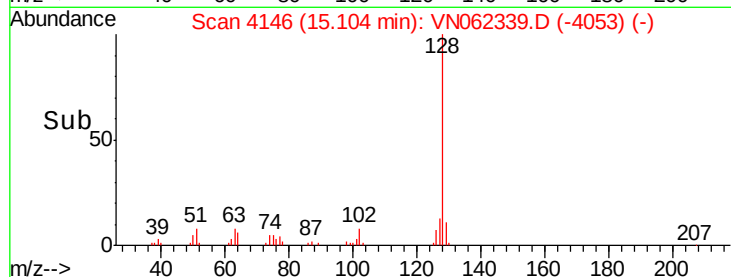
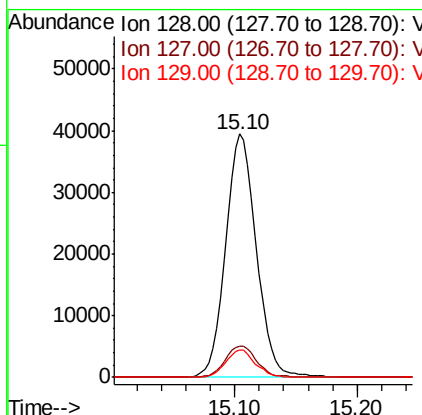
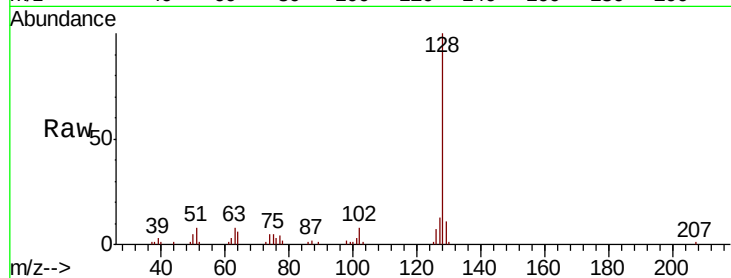
ClientSampled :

VN0702WBS01

Tot Ion:	128	Resp:	69416
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
APPROVED

sam
7/6/2020 11:34:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 15.744 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062339.D

Acq: 2 Jul 2020 17:41

Tgt Ion:	180	Resp:	25057
Ion	Ratio	Lower	Upper
180	100		
182	100.2	46.8	140.4
145	34.7	16.4	49.2

