

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060266.D
 Acq On : 27 Feb 2020 12:14
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:16 PM

Quant Time: Feb 27 12:34:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:29:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	222312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	365305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	342214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	436895	153.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.98%	
35) Dibromofluoromethane	7.57	113	213706	121.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	242.38%	
50) Toluene-d8	10.08	98	1332611	156.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.32%	
62) 4-Bromofluorobenzene	12.40	95	521430	163.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	297203	139.927	ug/l	100
3) Chloromethane	2.04	50	483964	129.094	ug/l	99
4) Vinyl Chloride	2.16	62	432268	138.577	ug/l	99
5) Bromomethane	2.52	94	178011	129.389	ug/l	99
6) Chloroethane	2.67	64	239001	143.093	ug/l	95
7) Trichlorofluoromethane	3.00	101	559649	142.030	ug/l	99
8) Diethyl Ether	3.38	74	214732	136.561	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	317129	138.596	ug/l	99
10) Methyl Iodide	3.93	142	342840	176.805	ug/l	100
11) Tert butyl alcohol	4.73	59	300695	700.627	ug/l	99
12) 1,1-Dichloroethene	3.71	96	323283	141.304	ug/l	99
13) Acrolein	3.57	56	314411	808.069	ug/l	100
14) Allyl chloride	4.29	41	538568	129.793	ug/l	93
15) Acrylonitrile	4.94	53	864185	749.106	ug/l	99
16) Acetone	3.78	43	679816	740.878	ug/l	99
17) Carbon Disulfide	4.03	76	849774	126.722	ug/l	99
18) Methyl Acetate	4.28	43	435888	135.205	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	1131377	143.592	ug/l	99
20) Methylene Chloride	4.52	84	362314	141.773	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	345164	133.302	ug/l	98
22) Diisopropyl ether	5.92	45	1197188	145.853	ug/l	97
23) Vinyl Acetate	5.86	43	4693770	728.895	ug/l	98
24) 1,1-Dichloroethane	5.82	63	664284	144.561	ug/l	100
25) 2-Butanone	6.80	43	1132179	758.044	ug/l	98
26) 2,2-Dichloropropane	6.80	77	592664	140.664	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	404003	130.267	ug/l	100
28) Bromochloromethane	7.17	49	273208	145.688	ug/l	100
29) Tetrahydrofuran	7.18	42	753089	696.967	ug/l	98
30) Chloroform	7.35	83	654101	142.543	ug/l	99
31) Cyclohexane	7.63	56	571651	133.537	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	585002	143.017	ug/l	99
36) 1,1-Dichloropropene	7.77	75	497284	140.812	ug/l	99
37) Ethyl Acetate	6.90	43	488641	147.521	ug/l	100
38) Carbon Tetrachloride	7.75	117	505183	144.509	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060266.D
 Acq On : 27 Feb 2020 12:14
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:16 PM

Quant Time: Feb 27 12:34:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:29:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	582884	140.638	ug/l	98
40) Benzene	8.02	78	1463078	140.485	ug/l	99
41) Methacrylonitrile	7.15	41	240260m	152.307	ug/l	
42) 1,2-Dichloroethane	8.10	62	525800	139.155	ug/l	100
43) Isopropyl Acetate	8.14	43	850461	144.531	ug/l	99
44) Trichloroethene	8.82	130	398554	138.000	ug/l	99
45) 1,2-Dichloropropane	9.10	63	393347	141.744	ug/l	100
46) Dibromomethane	9.19	93	254415	144.514	ug/l	100
47) Bromodichloromethane	9.39	83	529207	149.474	ug/l	98
48) Methyl methacrylate	9.18	41	396311	150.109	ug/l	98
49) 1,4-Dioxane	9.18	88	101305	2590.867	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2420189	727.996	ug/l	97
52) Toluene	10.14	92	936166	144.602	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	626360	145.108	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	655766	143.174	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	364095	138.115	ug/l	99
56) Ethyl methacrylate	10.42	69	595930	161.313	ug/l	100
57) 1,3-Dichloropropane	10.70	76	615639	143.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	1512427	756.085	ug/l	99
59) 2-Hexanone	10.74	43	1804469	731.971	ug/l	97
60) Dibromochloromethane	10.89	129	410321	158.004	ug/l	100
61) 1,2-Dibromoethane	11.00	107	379838	148.887	ug/l	98
64) Tetrachloroethene	10.62	164	395404	127.270	ug/l	99
65) Chlorobenzene	11.43	112	993664	140.840	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	380804	145.471	ug/l	100
67) Ethyl Benzene	11.50	91	1819526	141.510	ug/l	99
68) m/p-Xylenes	11.62	106	1376867	288.982	ug/l	96
69) o-Xylene	11.94	106	670659	143.521	ug/l	97
70) Styrene	11.96	104	1162536	155.515	ug/l	100
71) Bromoform	12.12	173	306310	165.610	ug/l #	99
73) Isopropylbenzene	12.25	105	1790629	135.206	ug/l	98
74) N-amyl acetate	12.06	43	805584	140.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	501219	138.335	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	495569m	120.794	ug/l	
77) Bromobenzene	12.52	156	447084	136.799	ug/l	100
78) n-propylbenzene	12.59	91	2087706	133.321	ug/l	99
79) 2-Chlorotoluene	12.67	91	1236247	134.527	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1536490	136.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	210159	151.949	ug/l #	88
82) 4-Chlorotoluene	12.77	91	1312334	136.667	ug/l	99
83) tert-Butylbenzene	12.99	119	1323425	136.551	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1549259	136.560	ug/l	99
85) sec-Butylbenzene	13.17	105	1779703	135.834	ug/l	99
86) p-Isopropyltoluene	13.28	119	1634650	137.837	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	819022	136.497	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	809686	135.248	ug/l	99
89) n-Butylbenzene	13.61	91	1524863	138.742	ug/l	99
90) Hexachloroethane	13.87	117	269766	153.750	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	769469	134.713	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	111797	136.743	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
Data File : VN060266.D
Acq On : 27 Feb 2020 12:14
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM

Quant Time: Feb 27 12:34:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 12:29:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	534312	130.509	ug/l	100
94) Hexachlorobutadiene	15.01	225	242891	117.283	ug/l	99
95) Naphthalene	15.13	128	1555573	128.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	500001	124.578	ug/l	99

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

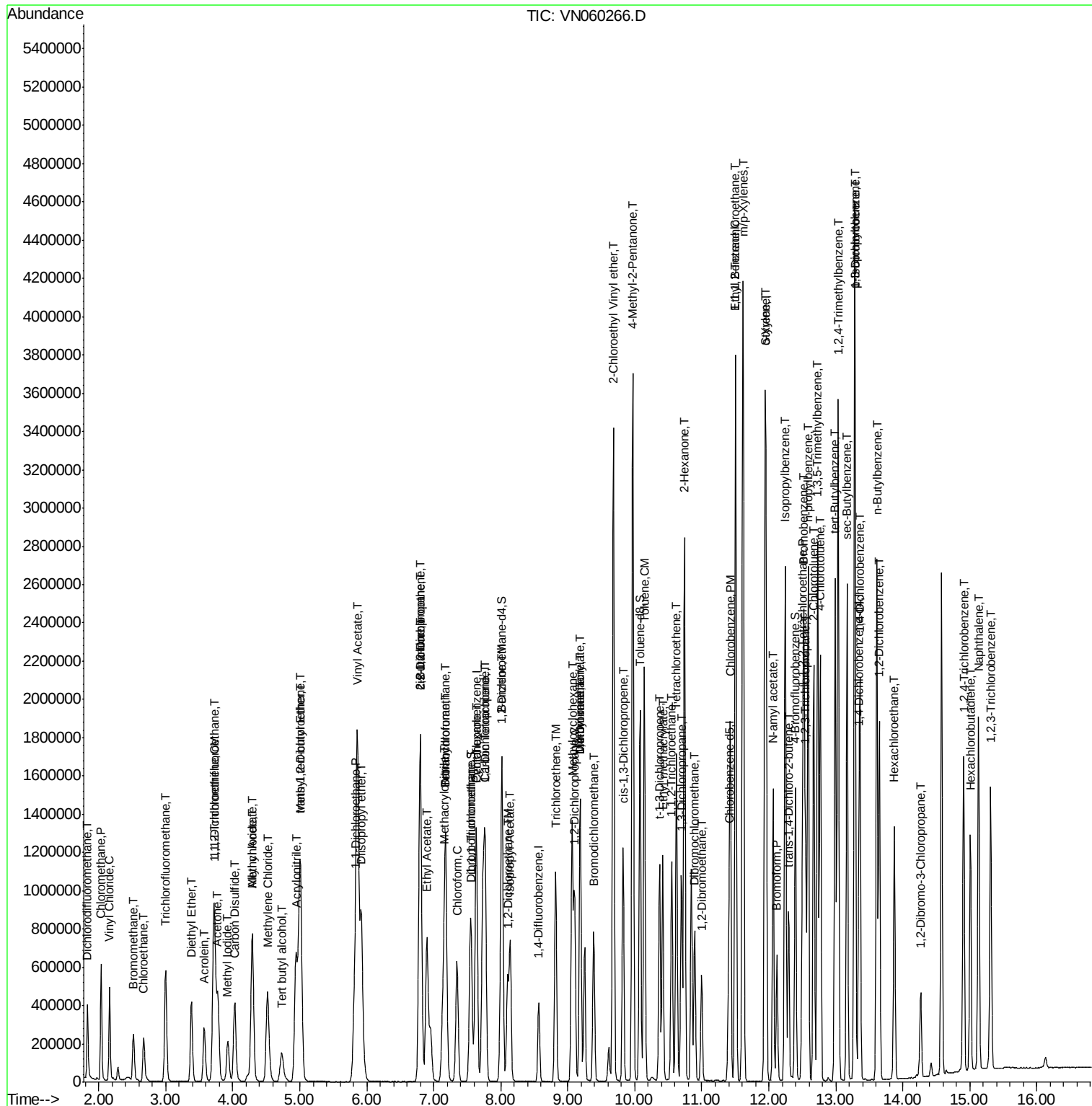
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022720\
Data File : VN060266.D
Acq On : 27 Feb 2020 12:14
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

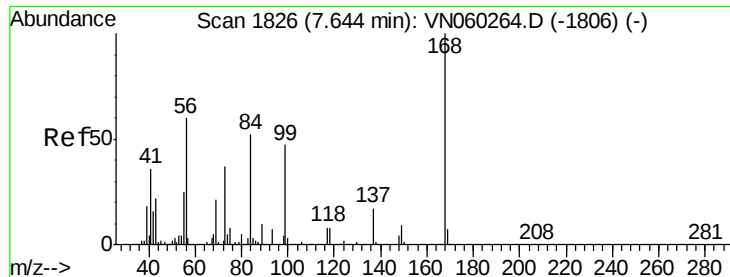
Instrument :
MSVOA_N
Client Sample ID :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM

Quant Time: Feb 27 12:34:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 12:29:24 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 222312

Ion Ratio Lower Upper

168 100

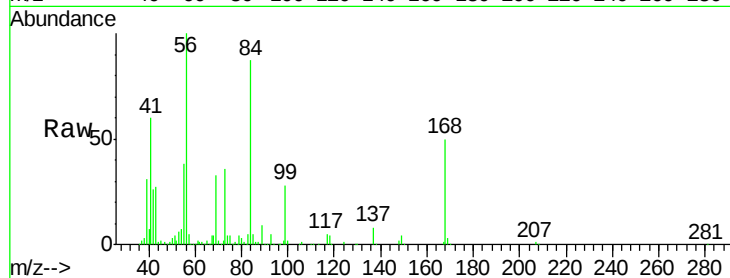
99 56.4 44.7 67.1

Manual Integrations

APPROVED

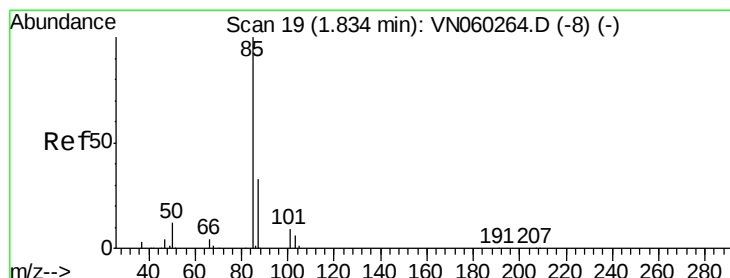
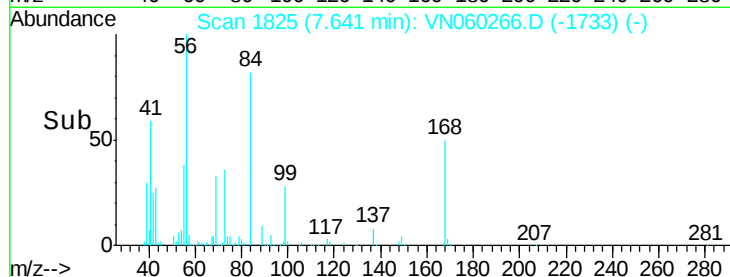
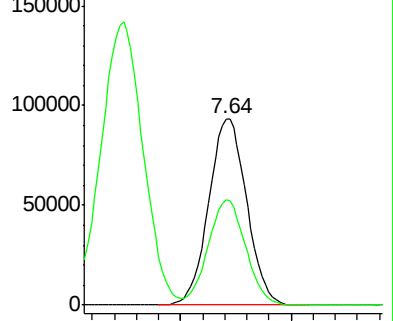
MMDadoda

2/28/2020 12:31:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 139.927 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060266.D

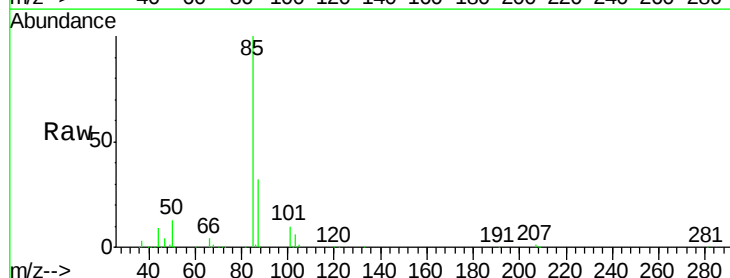
Acq: 27 Feb 2020 12:14

Tgt Ion: 85 Resp: 297203

Ion Ratio Lower Upper

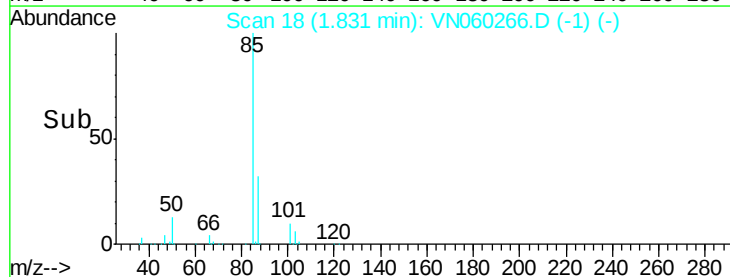
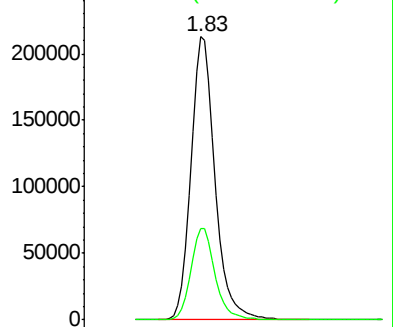
85 100

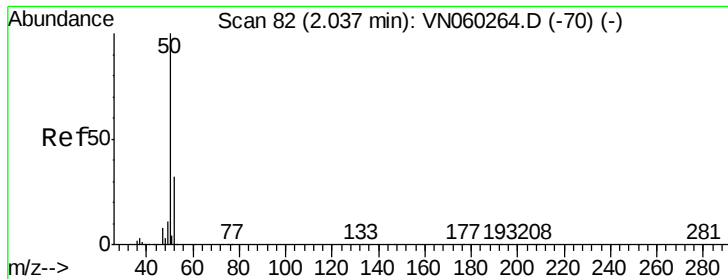
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 129.094 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 483964

Ion Ratio Lower Upper

50 100

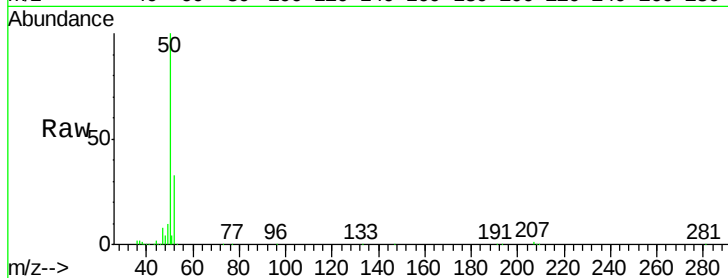
52 32.7 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

2/28/2020 12:31:16 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

400000

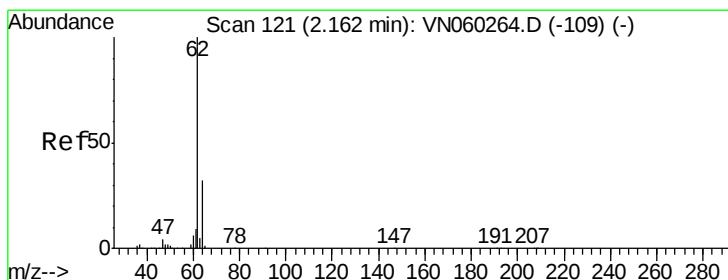
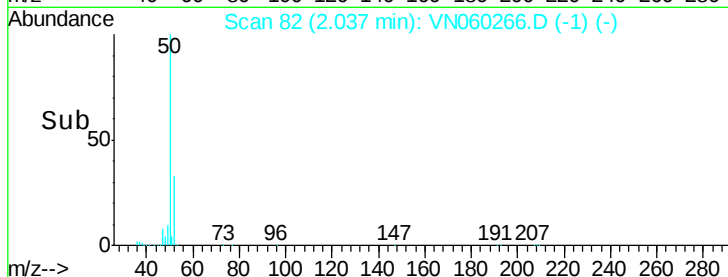
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 138.577 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060266.D

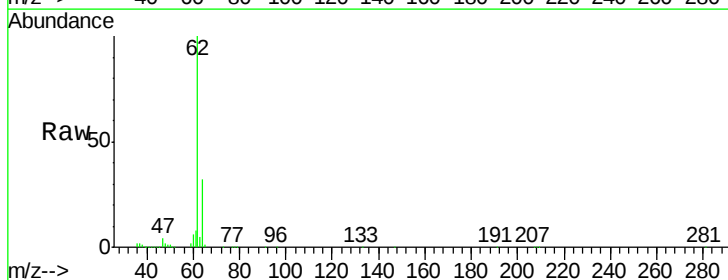
Acq: 27 Feb 2020 12:14

Tgt Ion: 62 Resp: 432268

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

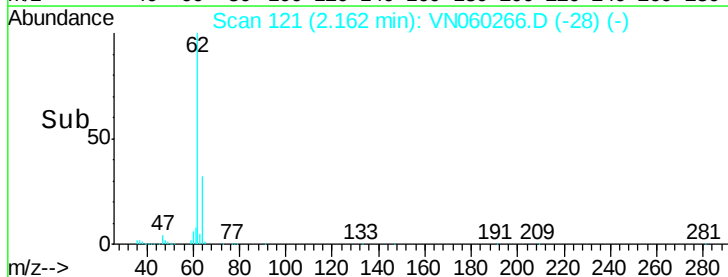
300000

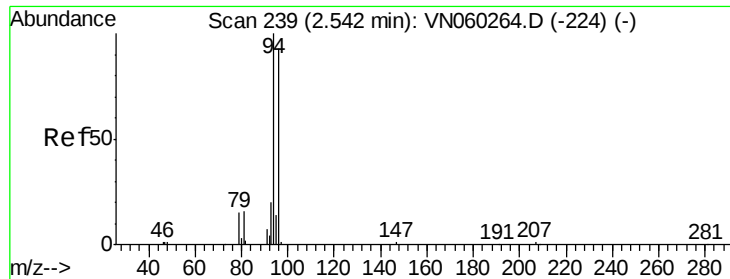
200000

100000

0

Time-->





#5

Bromomethane

Concen: 129.389 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 178011

Ion Ratio Lower Upper

94 100

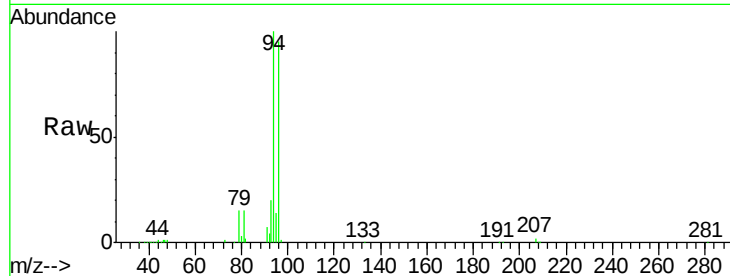
96 94.3 74.3 111.5

Manual Integrations

APPROVED

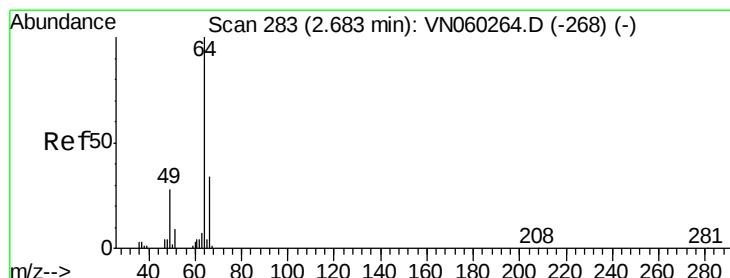
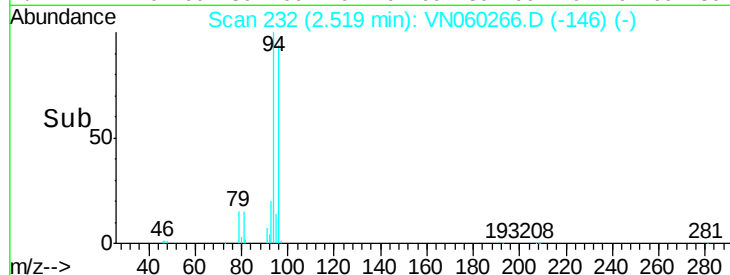
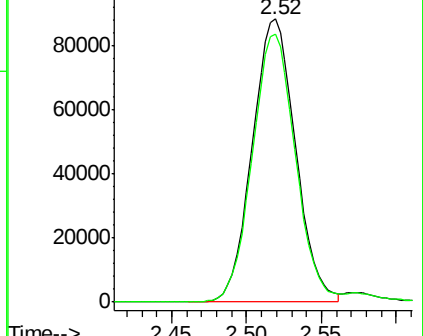
MMDadoda

2/28/2020 12:31:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 143.093 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN060266.D

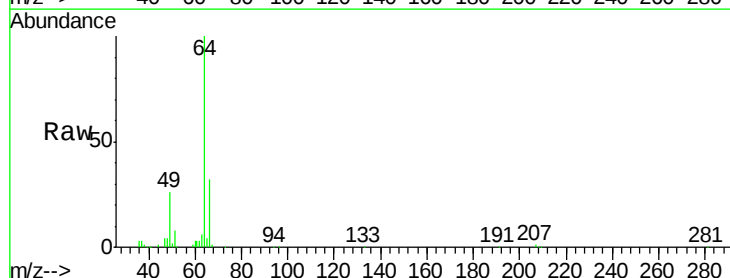
Acq: 27 Feb 2020 12:14

Tgt Ion: 64 Resp: 239001

Ion Ratio Lower Upper

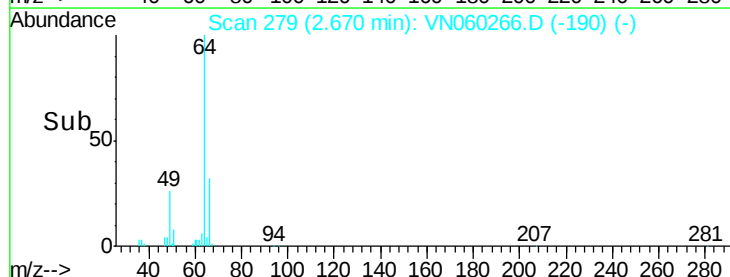
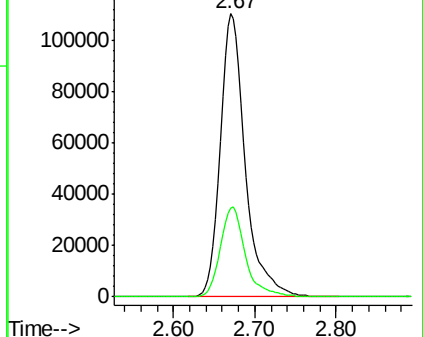
64 100

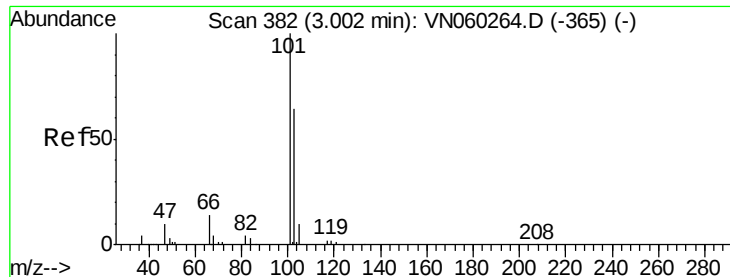
66 31.6 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

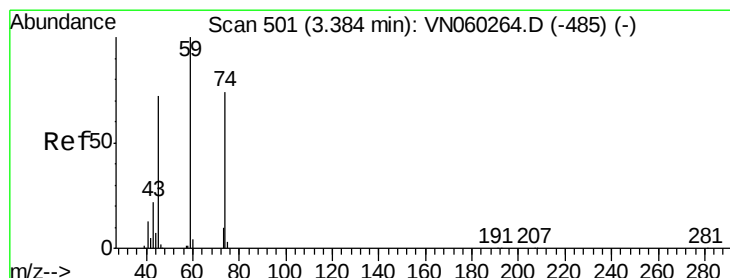
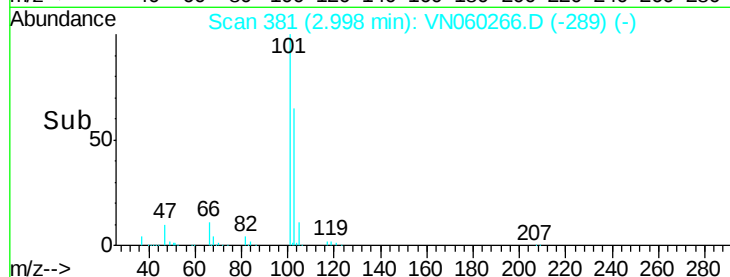
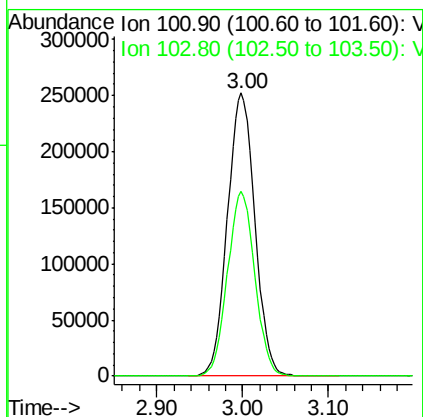
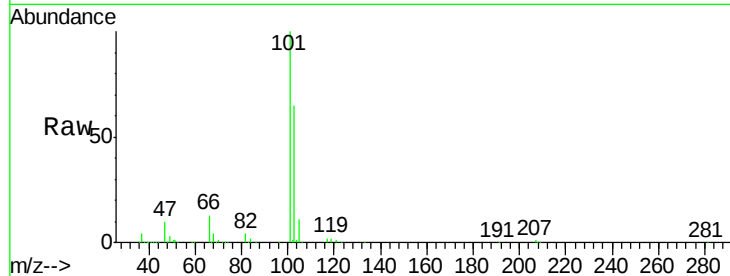
Trichlorofluoromethane
Concen: 142.030 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.3	76.9

Manual Integrations
APPROVED

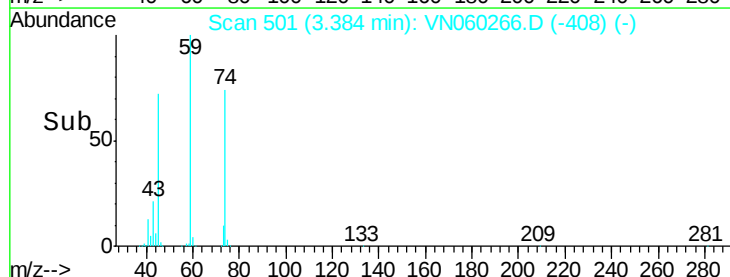
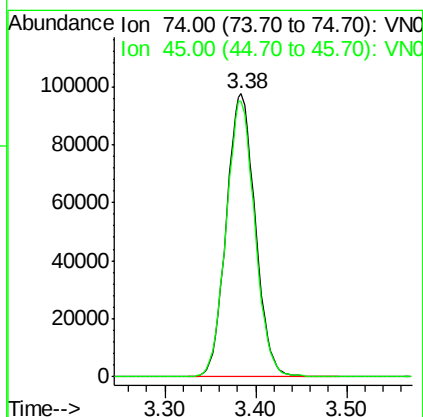
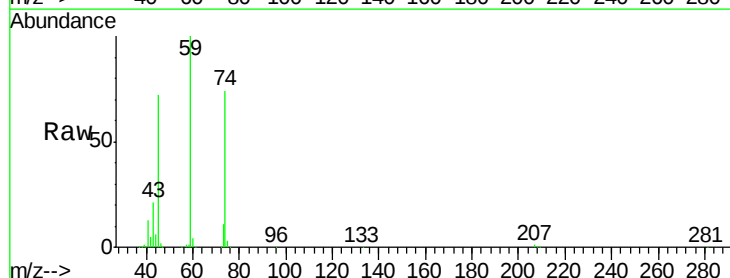
MMDadoda
2/28/2020 12:31:16 PM



#8

Diethyl Ether
Concen: 136.561 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.596 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

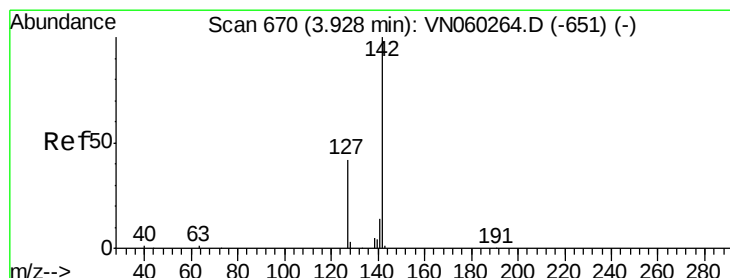
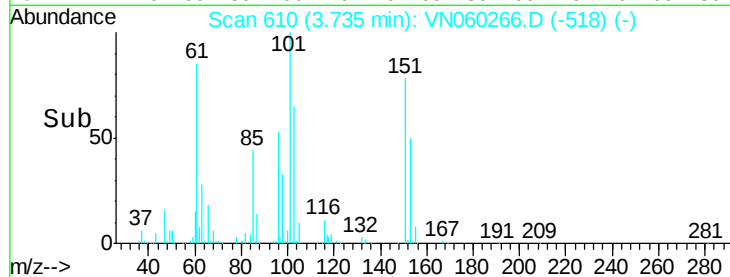
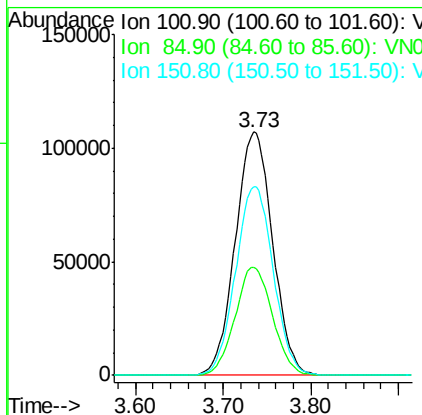
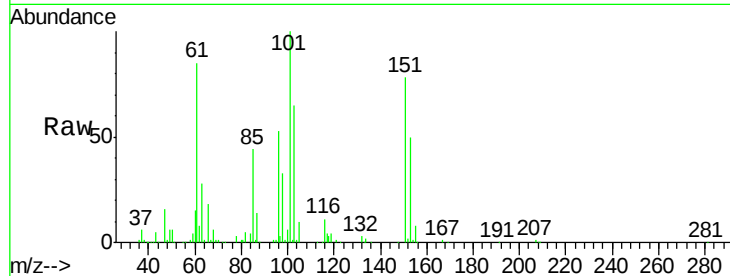
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	317129
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.4	53.2
151	78.3	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#10

Methyl Iodide

Concen: 176.805 ug/l

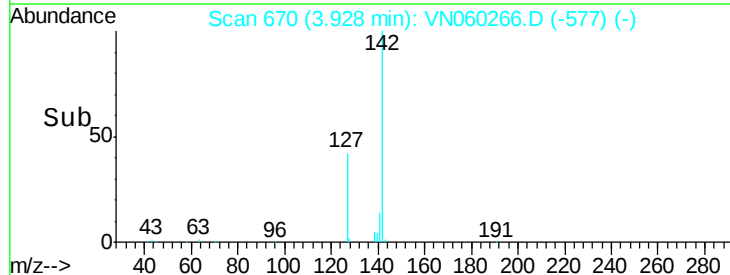
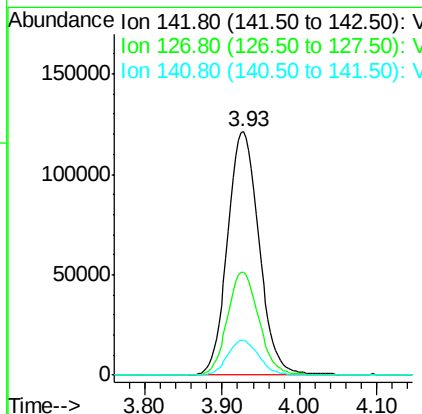
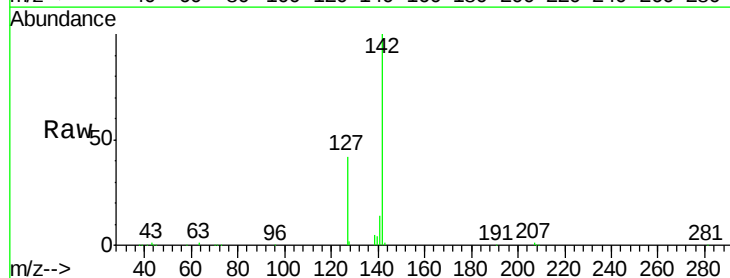
RT: 3.93 min Scan# 670

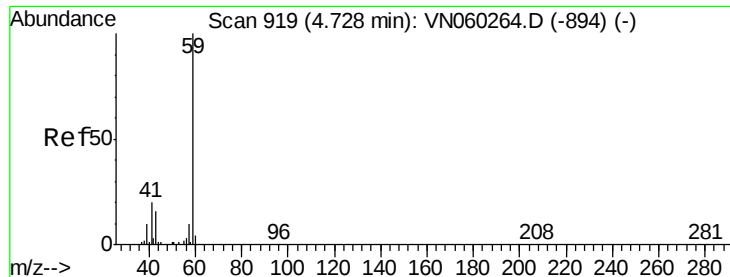
Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion:	142	Resp:	342840
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.8	50.6
141	14.1	11.1	16.7





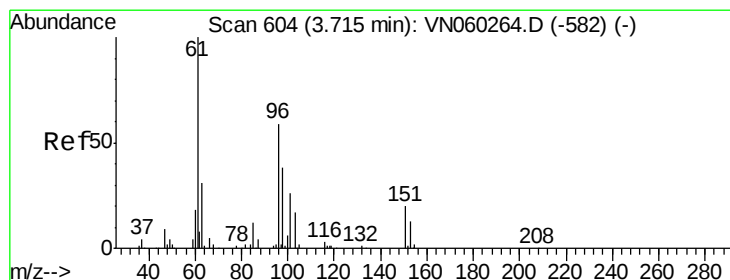
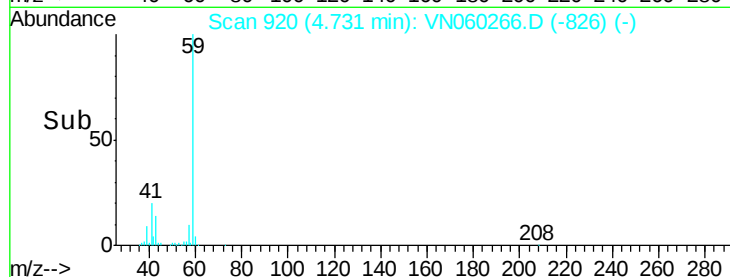
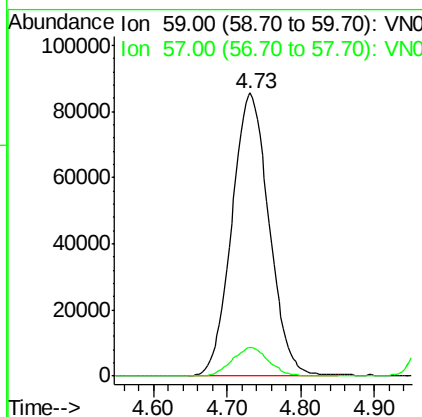
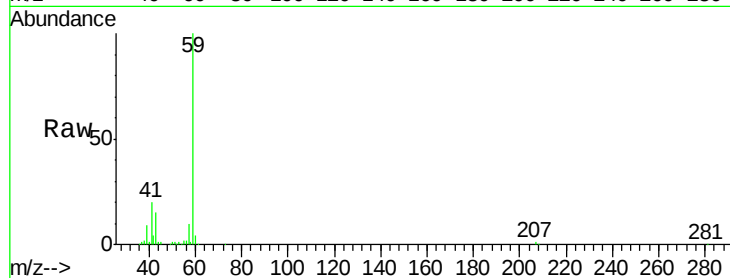
#11
Tert butyl alcohol
Concen: 700.627 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

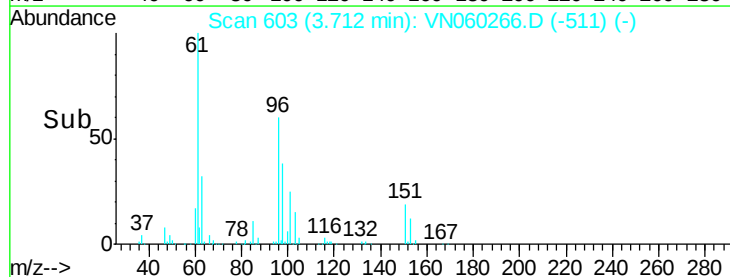
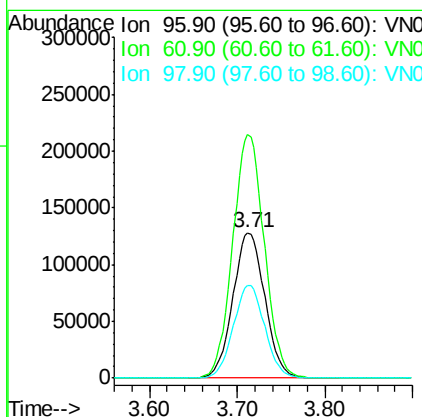
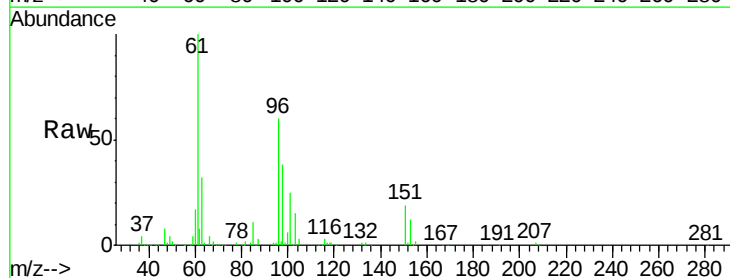
Manual Integrations
APPROVED

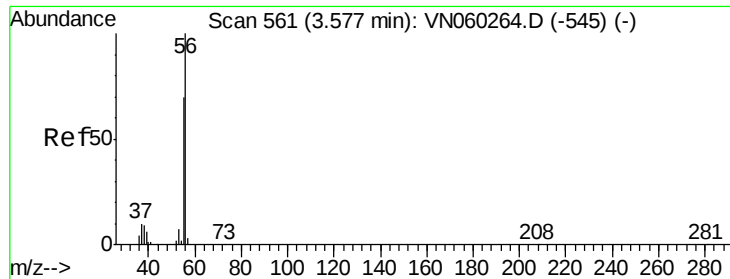
MMDadoda
2/28/2020 12:31:16 PM



#12
1,1-Dichloroethene
Concen: 141.304 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	135.4	203.0
98	64.0	51.6	77.4





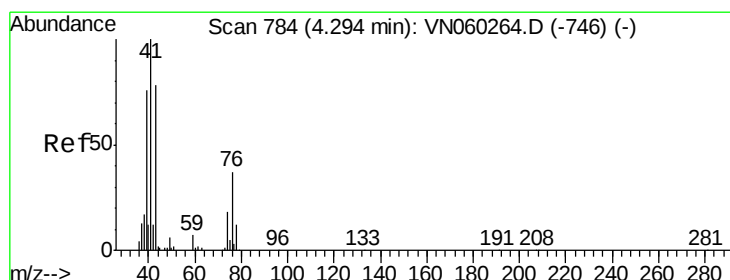
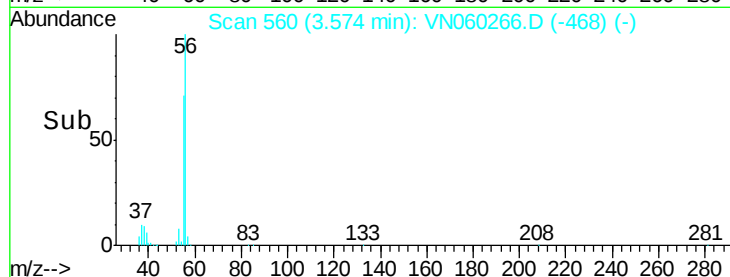
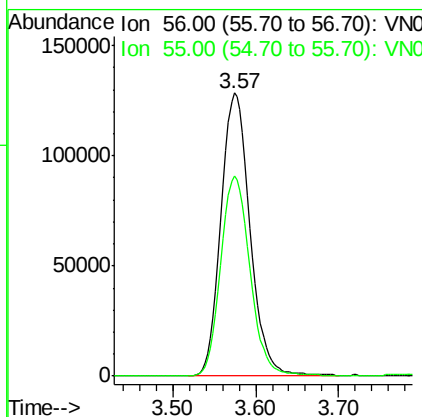
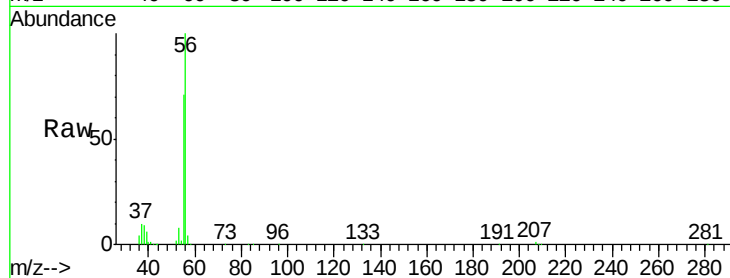
#13
Acrolein
Concen: 808.069 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	314411
Ion Ratio	Lower	Upper	
56	100		
55	71.3	57.4	86.0

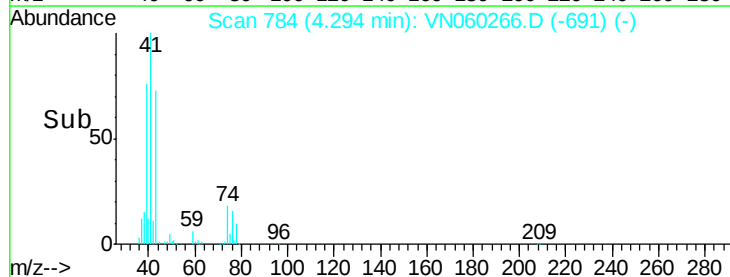
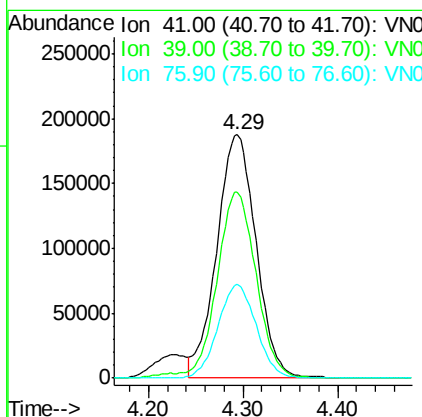
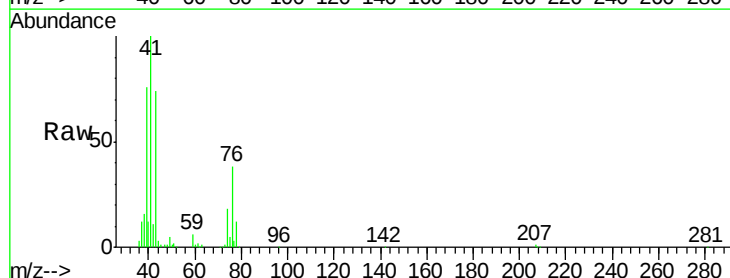
Manual Integrations
APPROVED

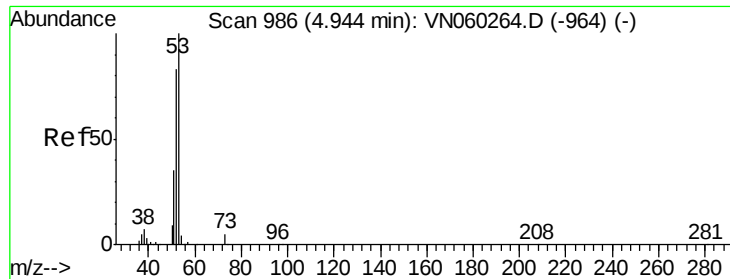
MMDadoda
2/28/2020 12:31:16 PM



#14
Allyl chloride
Concen: 129.793 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	41	Resp	538568
Ion Ratio	Lower	Upper	
41	100		
39	75.4	55.4	83.2
76	37.5	27.0	40.6





#15

Acrylonitrile

Concen: 749.106 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

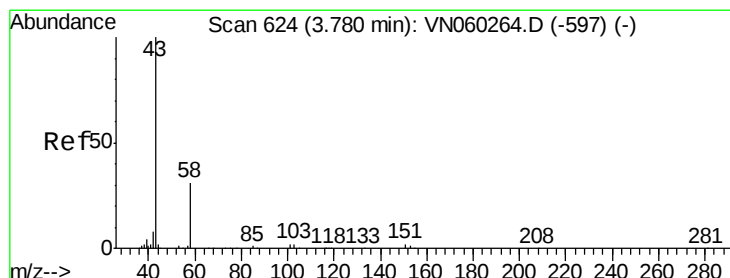
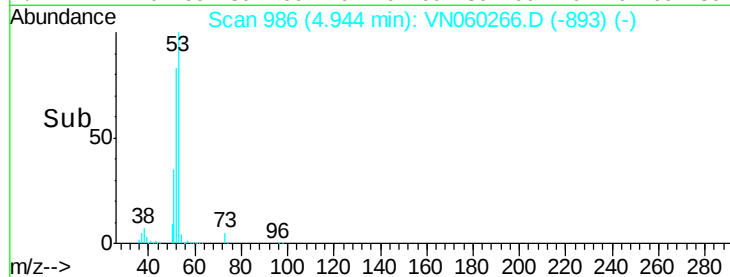
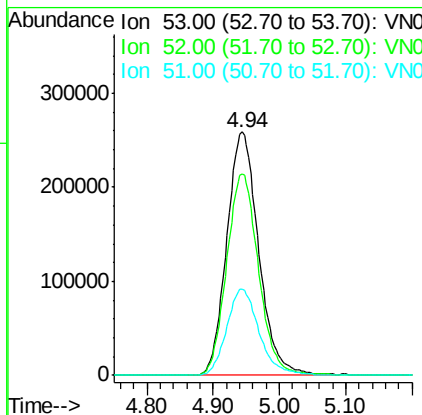
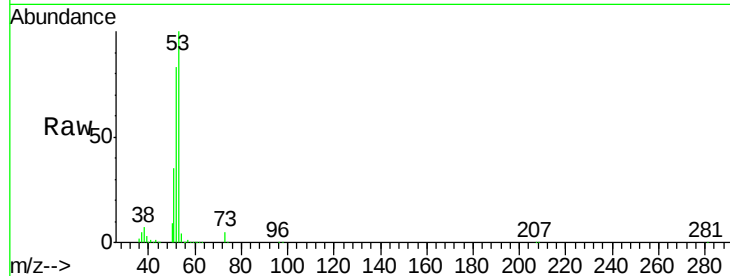
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	864185
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.8	100.2
51	36.2	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#16

Acetone

Concen: 740.878 ug/l

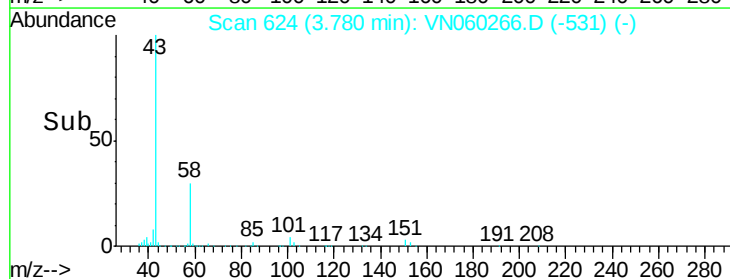
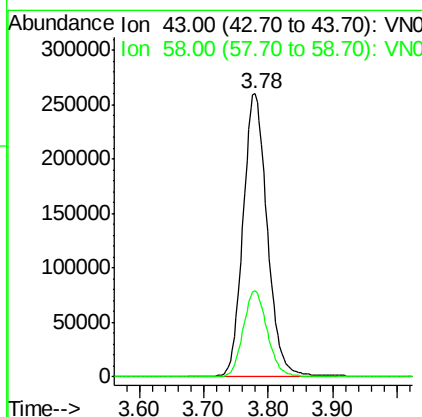
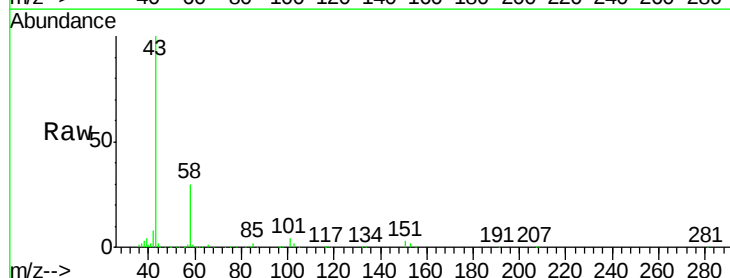
RT: 3.78 min Scan# 624

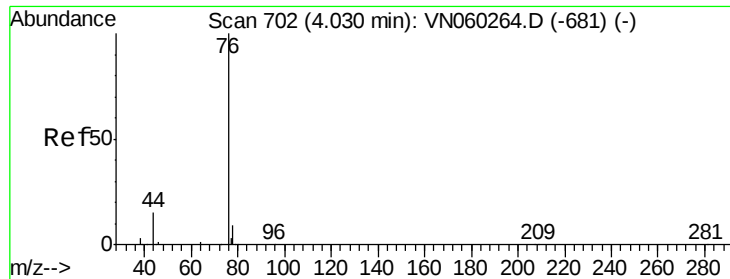
Delta R.T. 0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion:	43	Resp:	679816
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	36.8





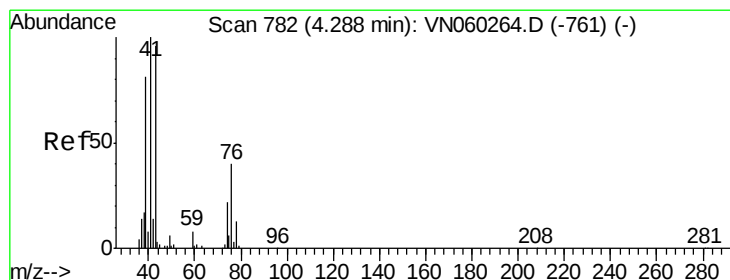
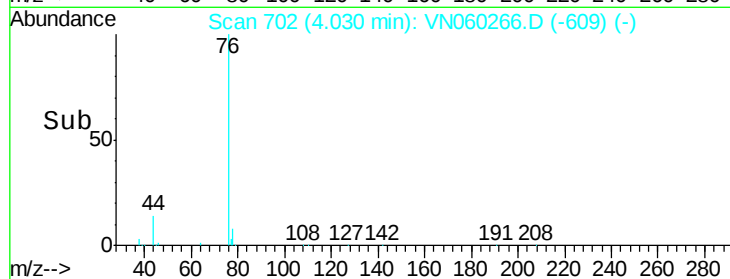
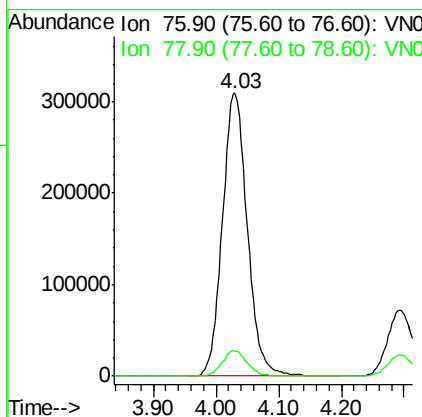
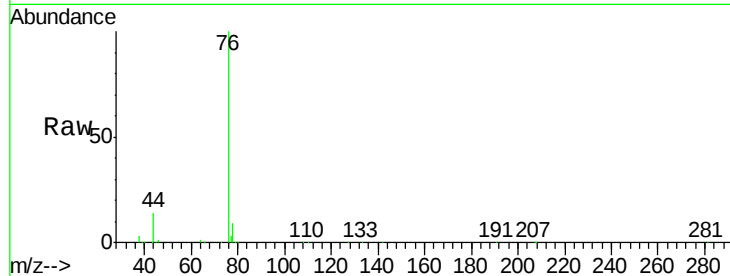
#17
Carbon Disulfide
Concen: 126.722 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

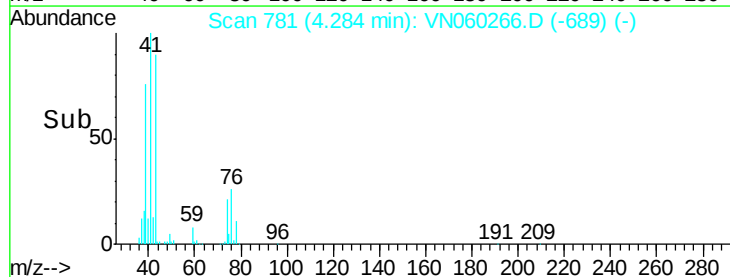
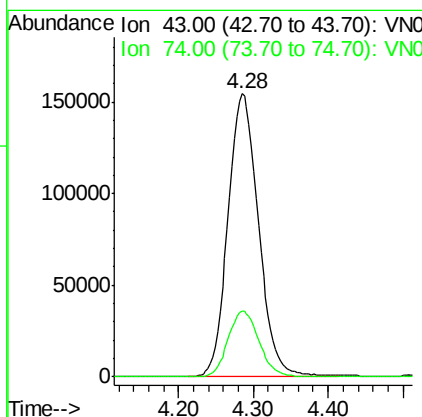
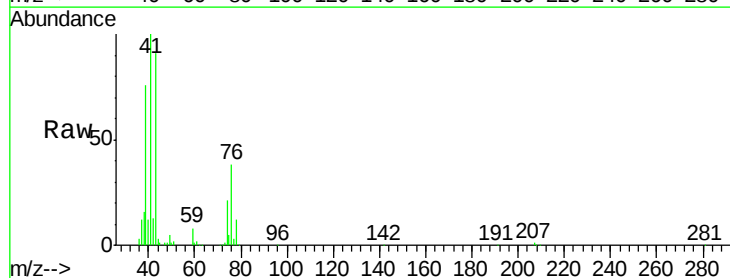
Manual Integrations
APPROVED

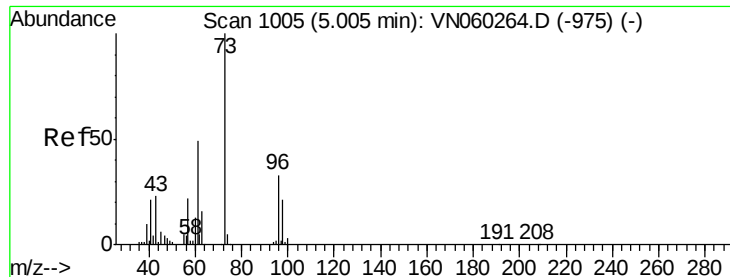
MMDadoda
2/28/2020 12:31:16 PM



#18
Methyl Acetate
Concen: 135.205 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.8	28.2





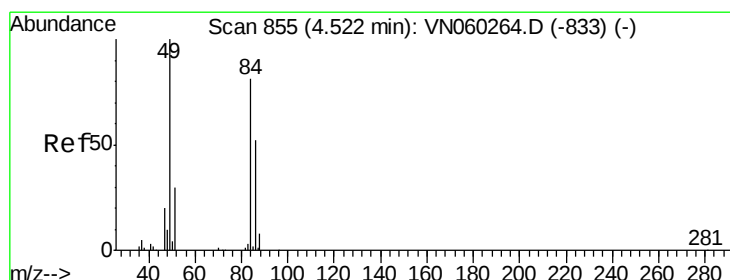
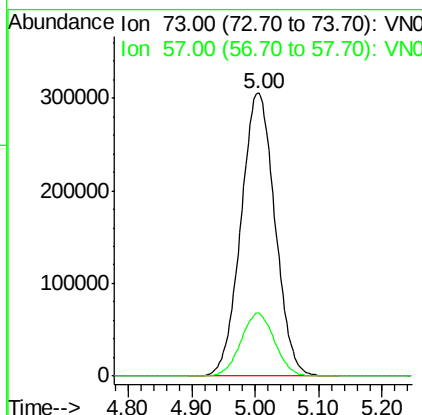
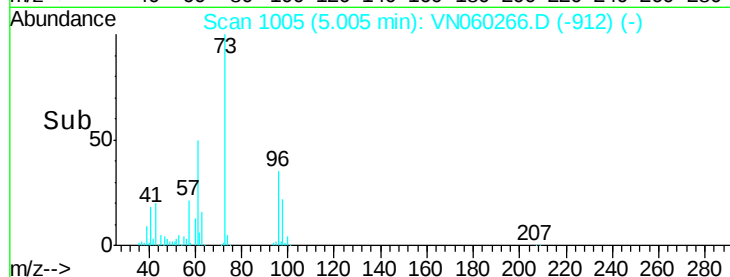
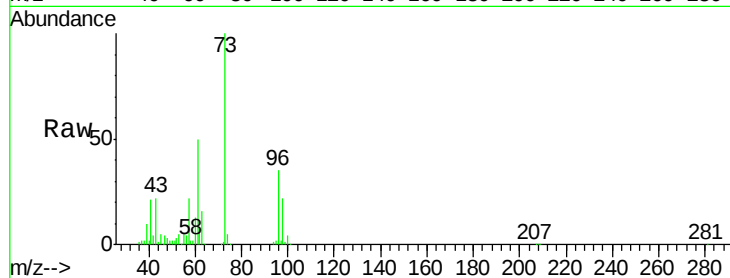
#19
Methvl tert-butvl Ether
Concen: 143.592 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1131377
Ion Ratio Lower Upper
73 100
57 22.2 17.3 25.9

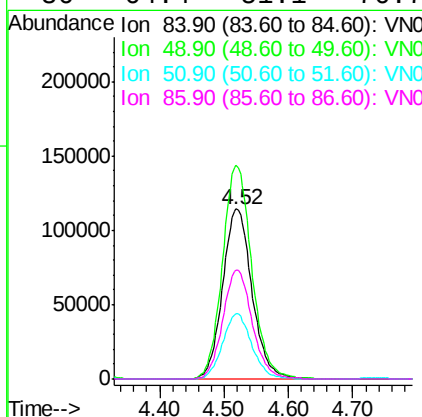
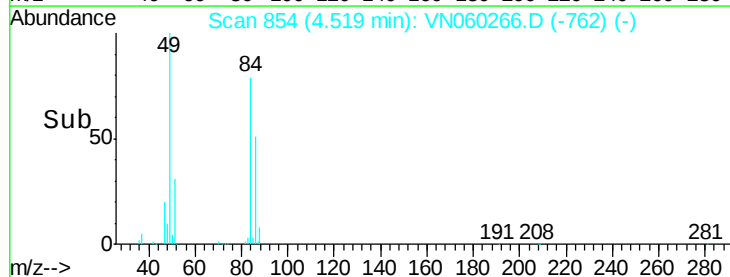
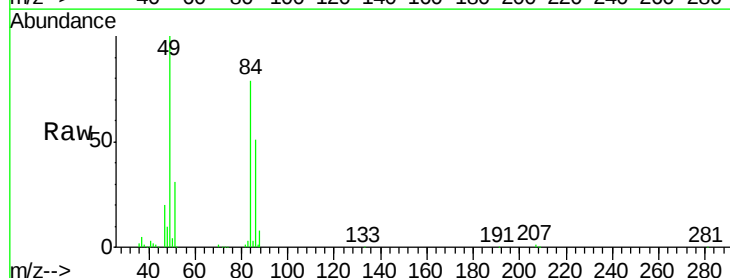
Manual Integrations
APPROVED

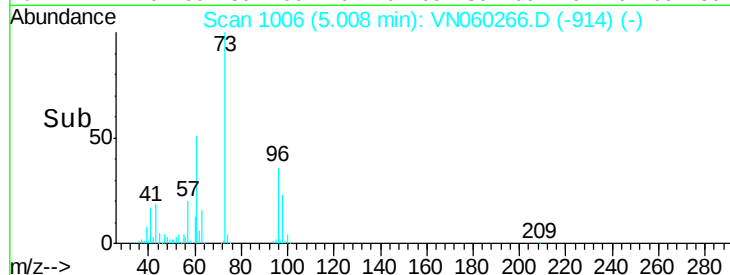
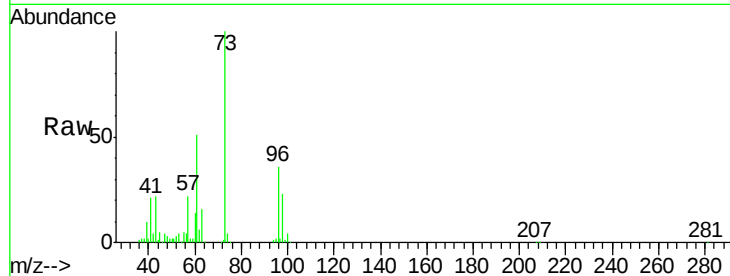
MMDadoda
2/28/2020 12:31:16 PM



#20
Methylene Chloride
Concen: 141.773 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion: 84 Resp: 362314
Ion Ratio Lower Upper
84 100
49 125.8 99.3 148.9
51 38.8 30.1 45.1
86 64.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 133.302 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tot Ion:	96	Resp:	345164
Ion Ratio	Lower	Upper	
96	100		
61	143.9	113.8	170.8
98	64.7	48.8	73.2

Instrument :

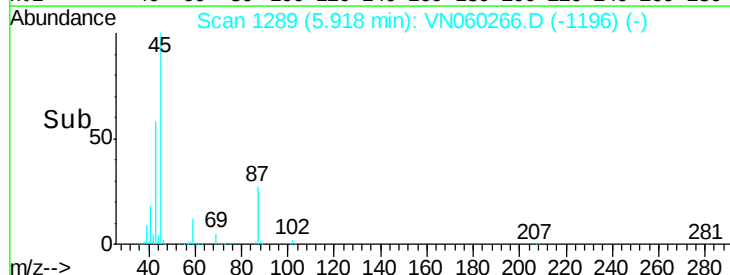
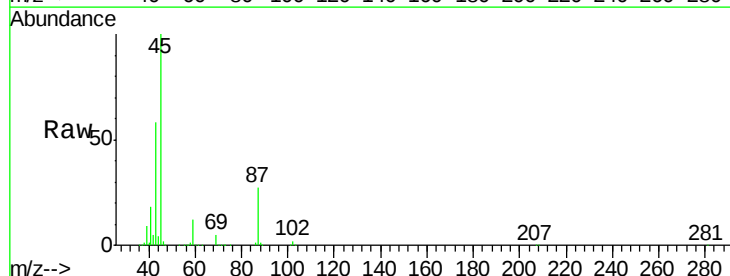
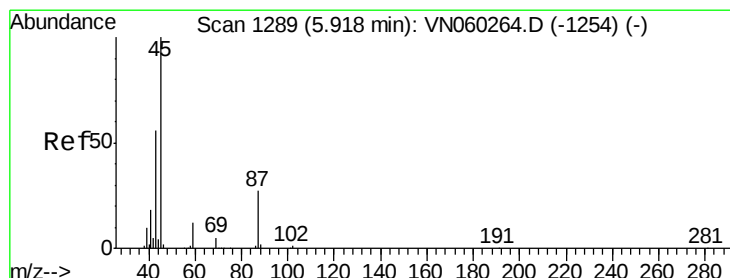
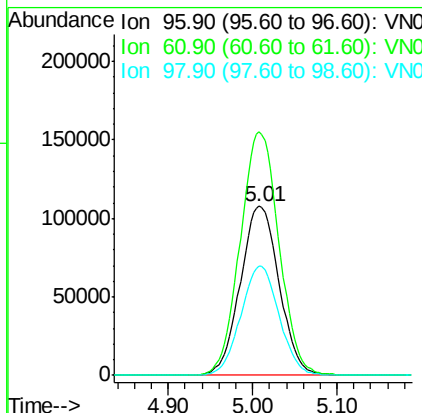
MSVOA_N

ClientSampleId :

VSTDIC150

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#22

Diisopropyl ether

Concen: 145.853 ug/l

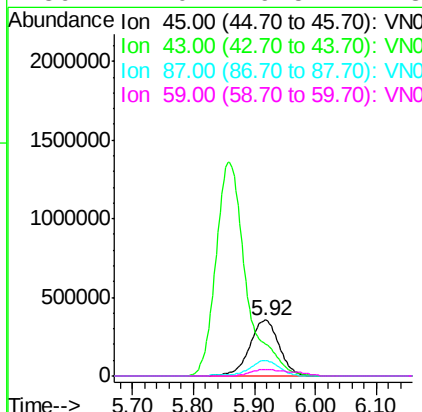
RT: 5.92 min Scan# 1289

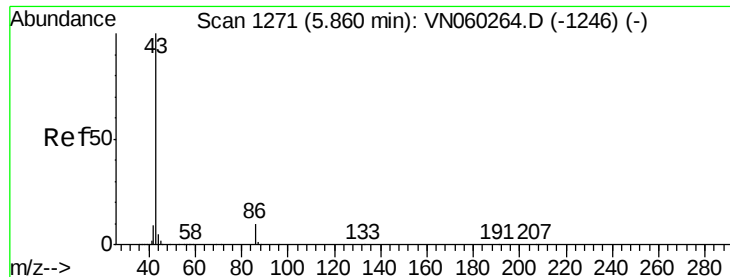
Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion:	45	Resp:	1197188
Ion Ratio	Lower	Upper	
45	100		
43	57.4	48.6	72.8
87	27.5	22.2	33.2
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 728.895 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4693770

Ion Ratio Lower Upper

43 100

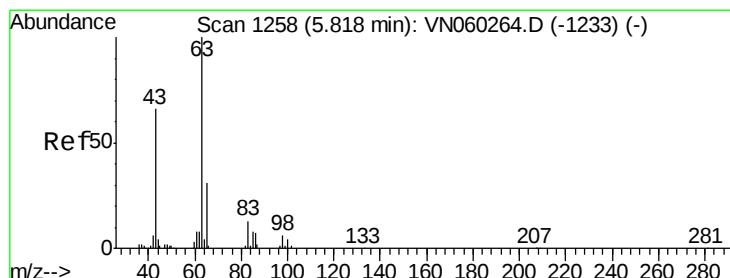
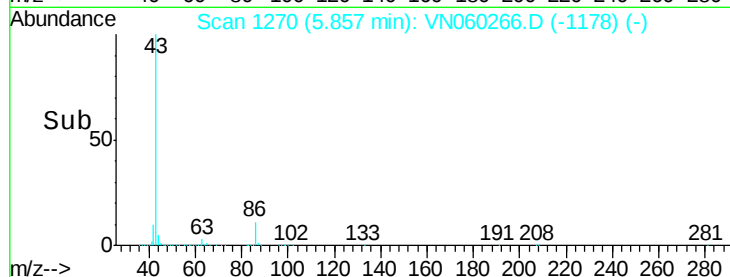
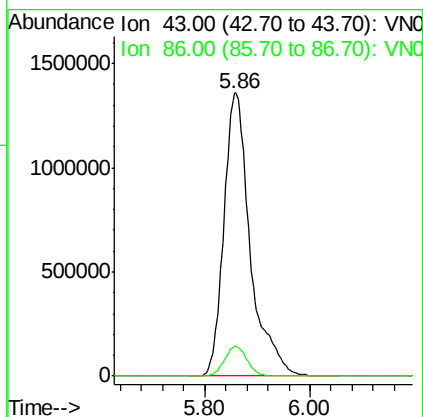
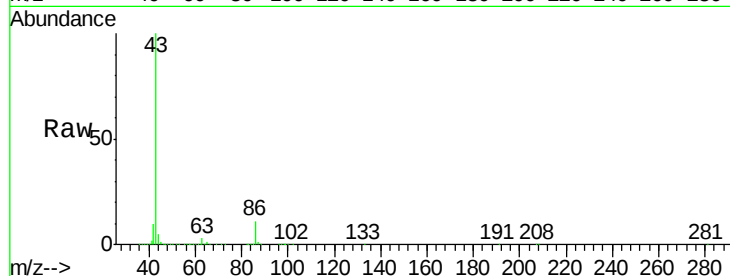
86 10.6 8.0 12.0

Manual Integrations

APPROVED

MMDadoda

2/28/2020 12:31:16 PM



#24

1,1-Dichloroethane

Concen: 144.561 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

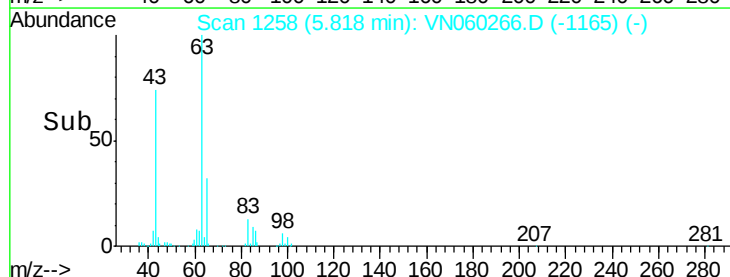
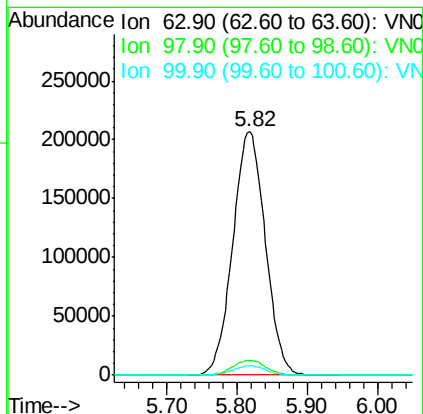
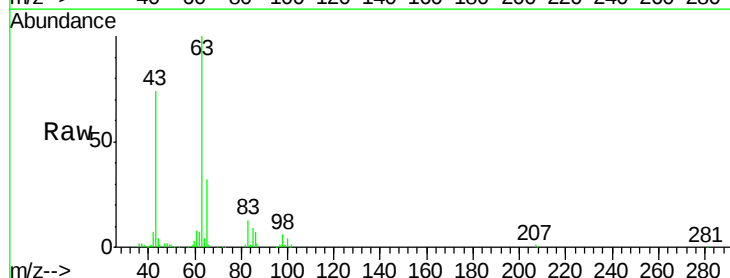
Tgt Ion: 63 Resp: 664284

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 758.044 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1132179

Ion Ratio Lower Upper

43 100

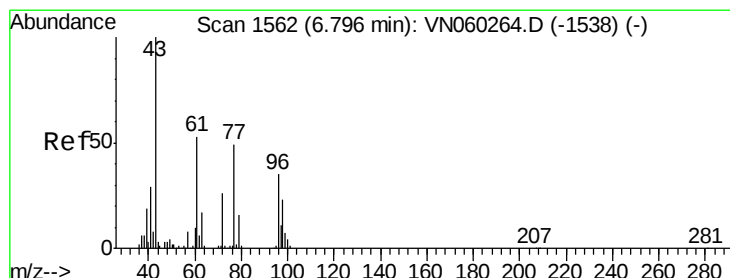
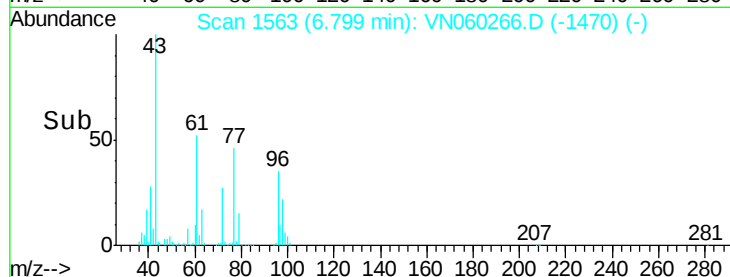
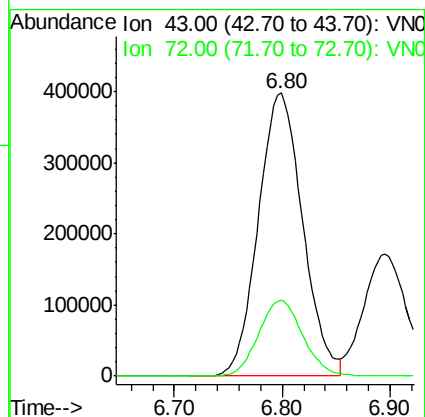
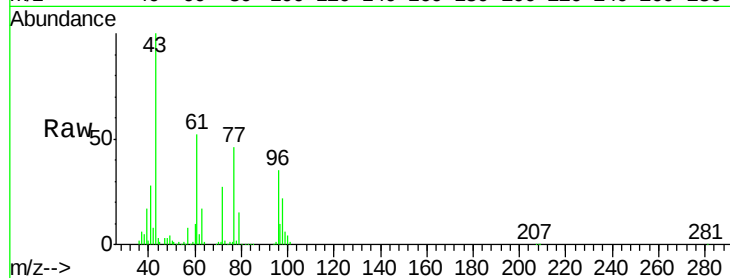
72 26.9 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

2/28/2020 12:31:16 PM



#26

2,2-Dichloropropane

Concen: 140.664 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060266.D

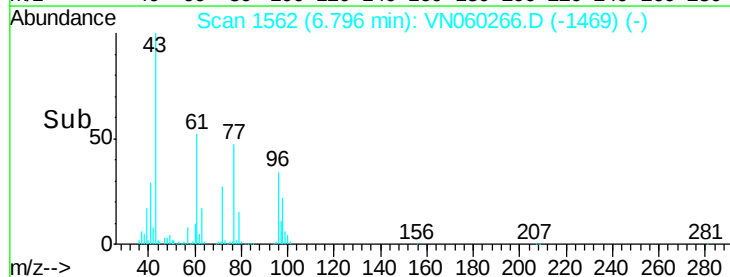
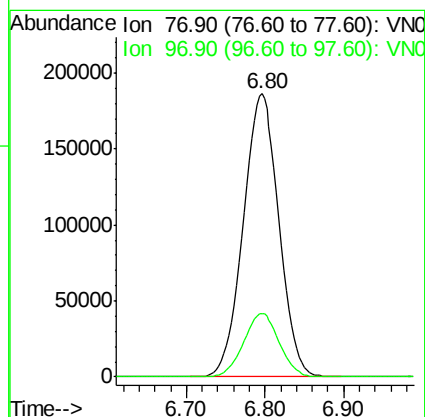
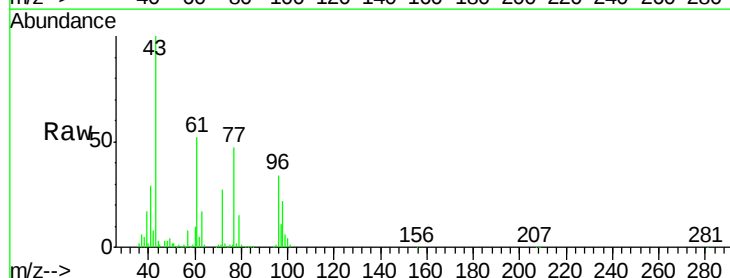
Acq: 27 Feb 2020 12:14

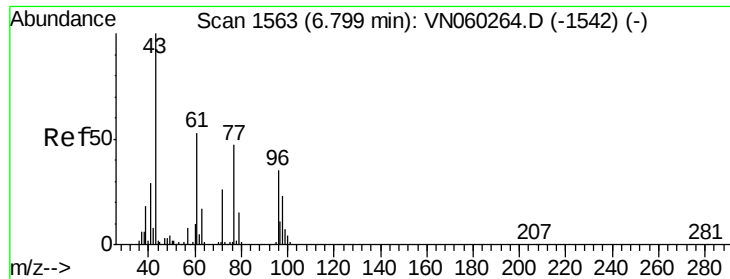
Tgt Ion: 77 Resp: 592664

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 130.267 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

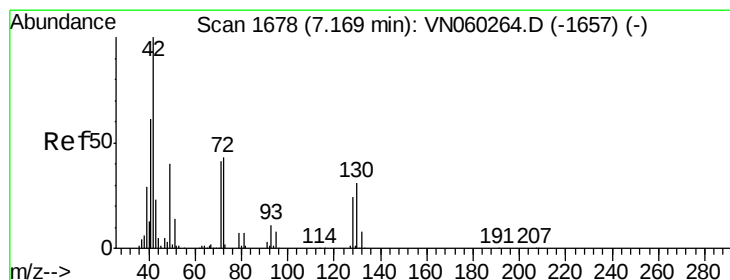
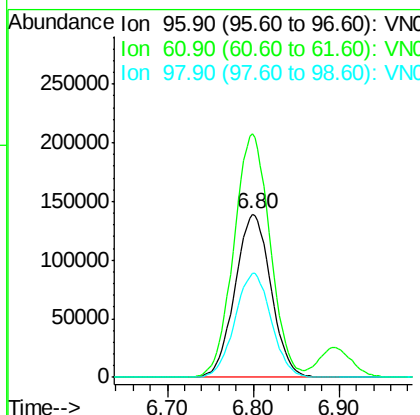
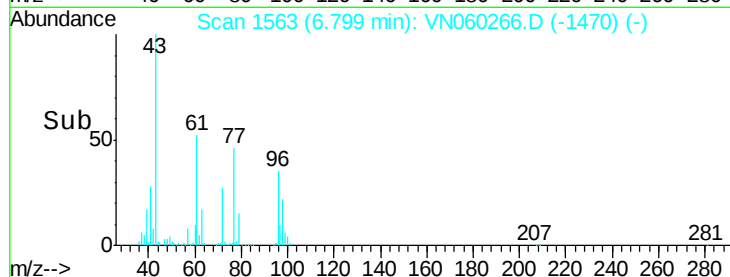
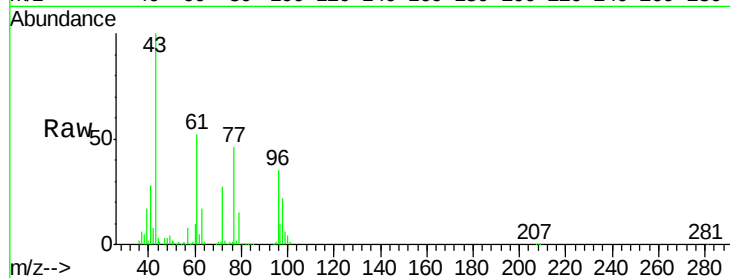
ClientSampleId :

VSTDICC150

Tot Ion:	96	Resp:	404003
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	300.8
98	64.4	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#28

Bromochloromethane

Concen: 145.688 ug/l

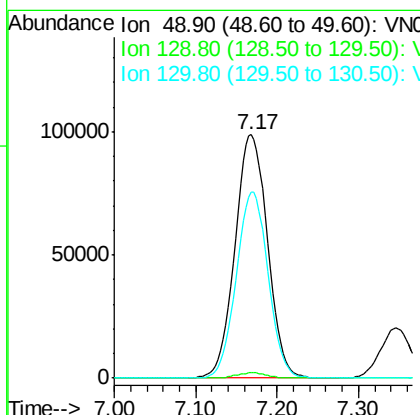
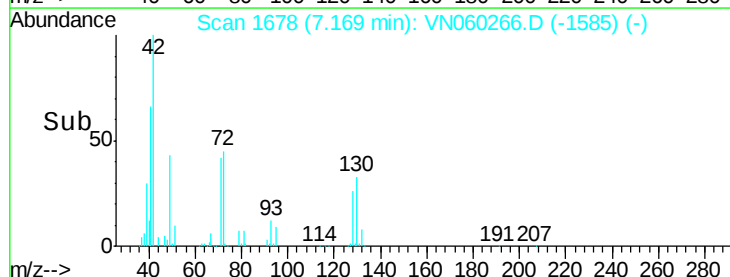
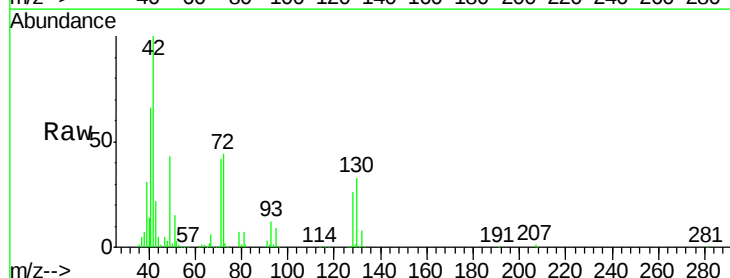
RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion:	49	Resp:	273208
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	74.9	59.8	89.8





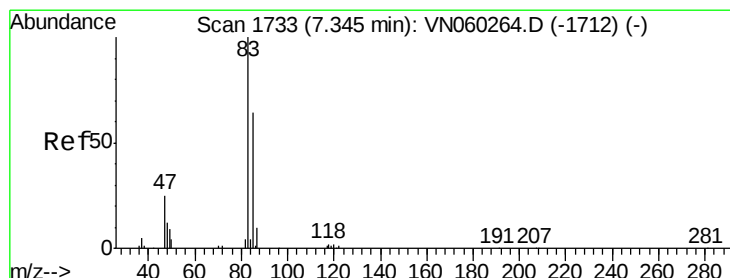
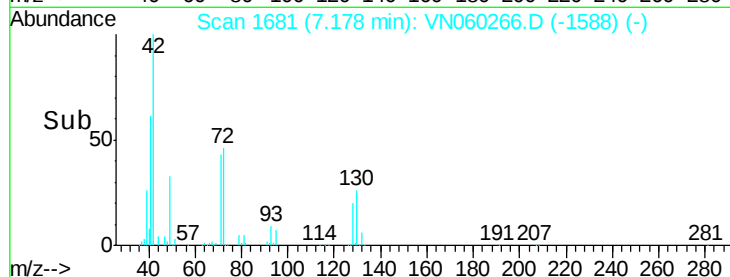
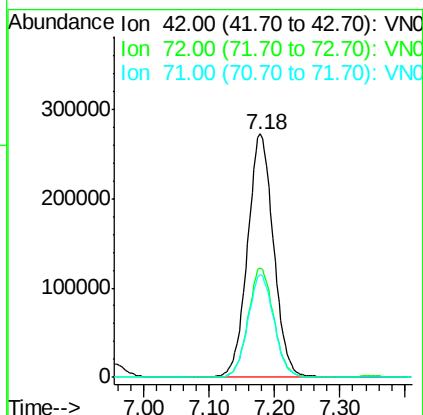
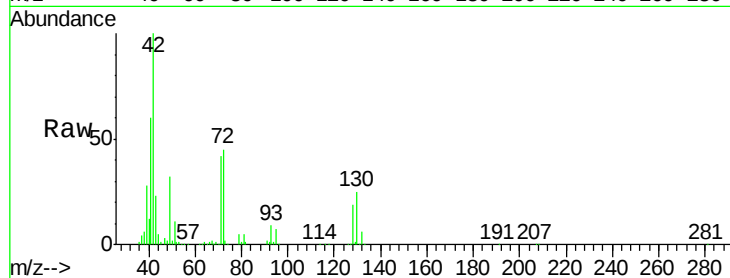
#29
Tetrahydrofuran
Concen: 696.967 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.6	52.0
71	42.1	32.9	49.3

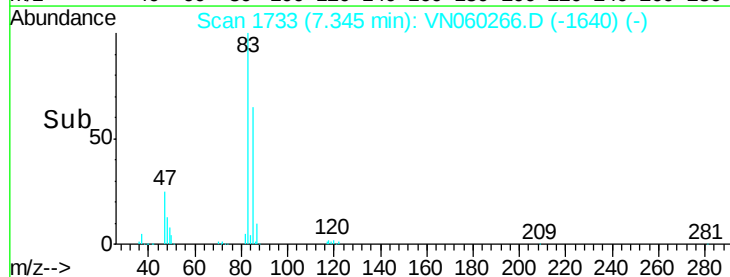
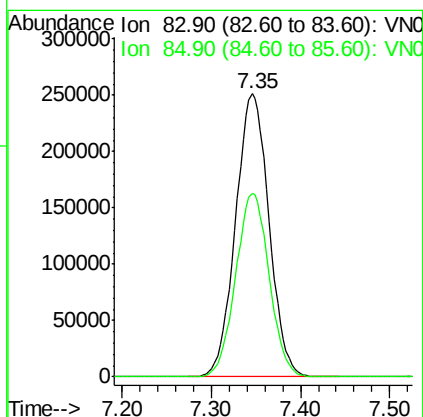
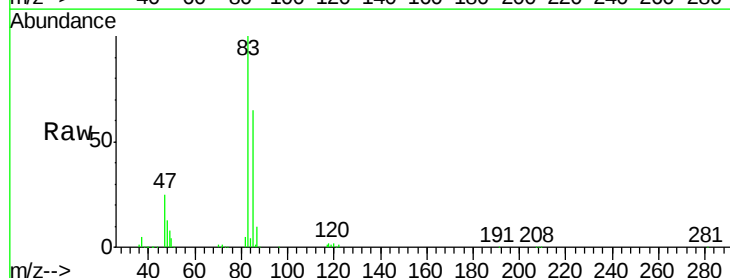
Manual Integrations
APPROVED

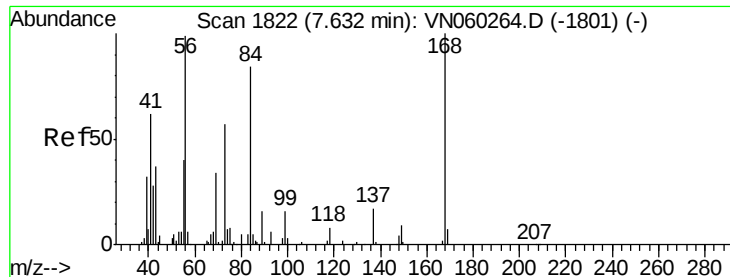
MMDadoda
2/28/2020 12:31:16 PM



#30
Chloroform
Concen: 142.543 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2





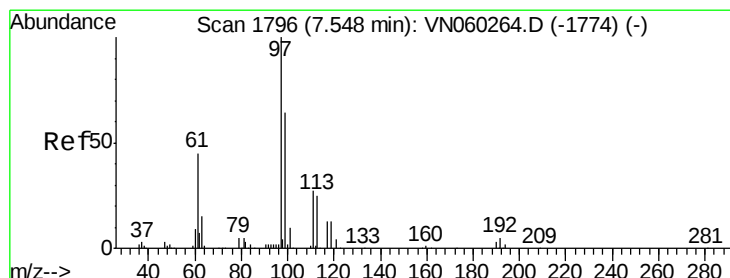
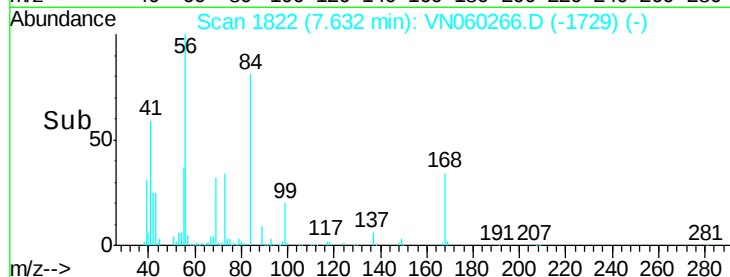
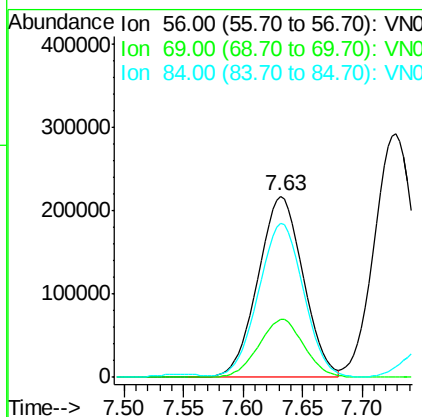
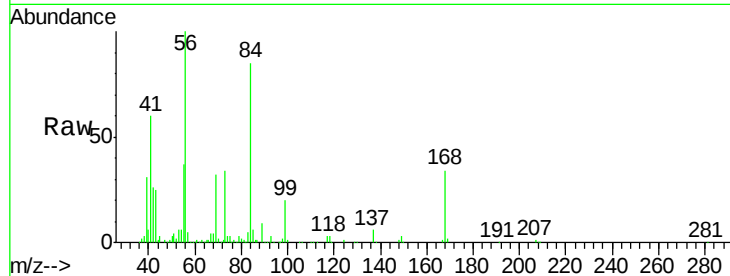
#31
Cyclohexane
Concen: 133.537 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	27.2	40.8
84	83.5	66.7	100.1

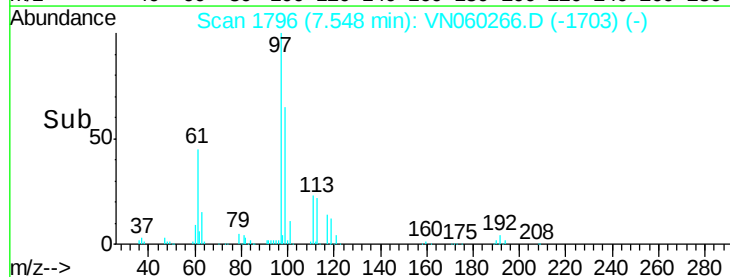
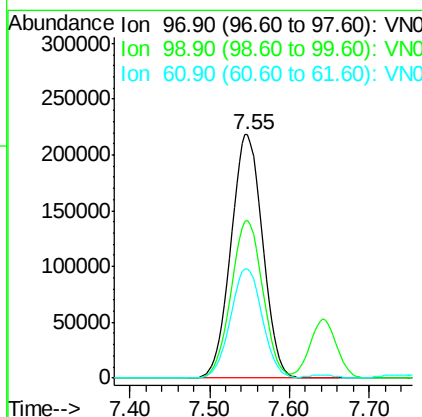
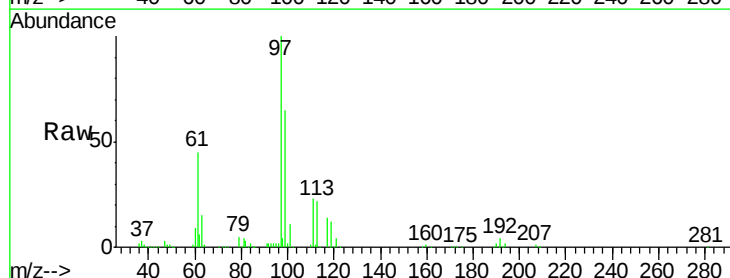
Manual Integrations
APPROVED

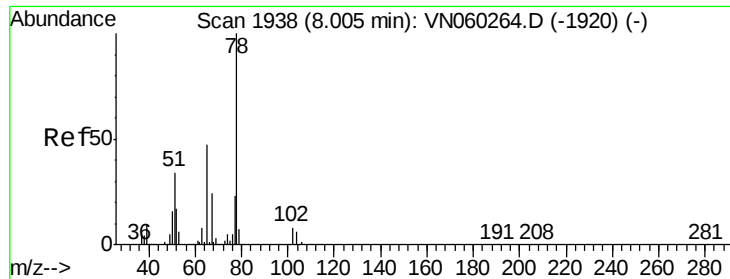
MMDadoda
2/28/2020 12:31:16 PM



#32
1,1,1-Trichloroethane
Concen: 143.017 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	45.0	36.6	55.0





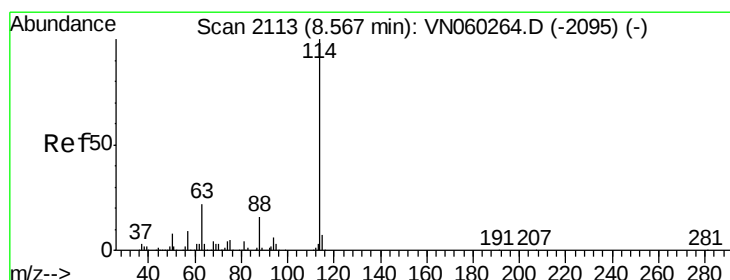
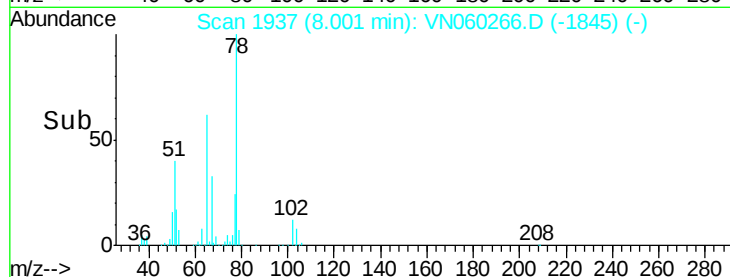
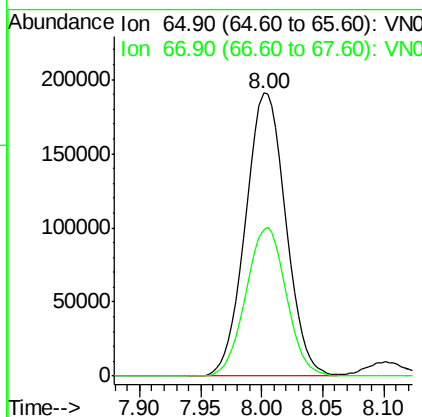
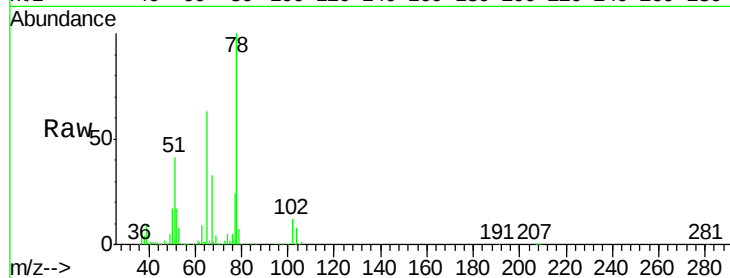
#33
 1,2-Dichloroethane-d4
 Concen: 153.987 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	103.8	

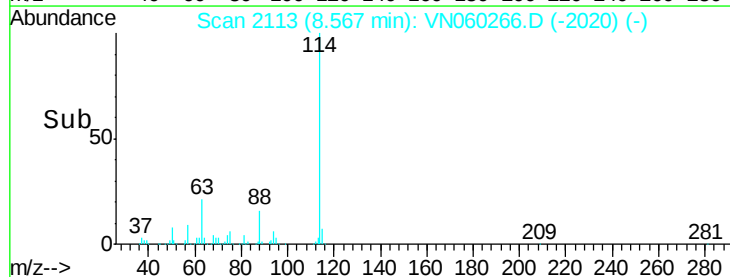
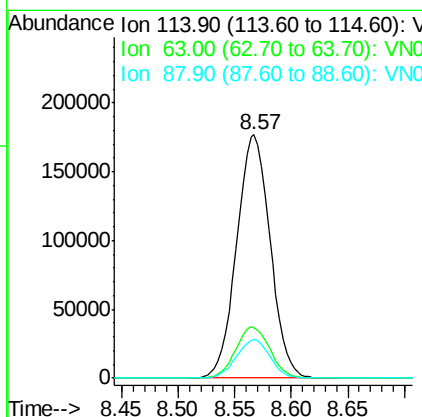
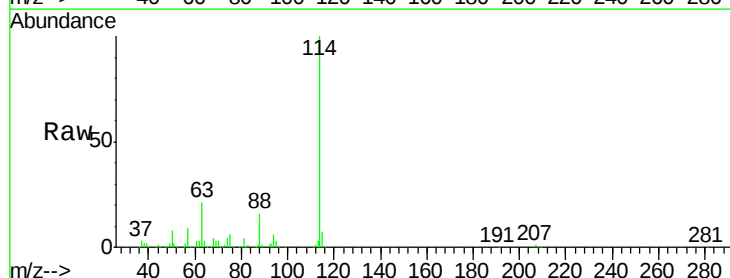
Manual Integrations
 APPROVED

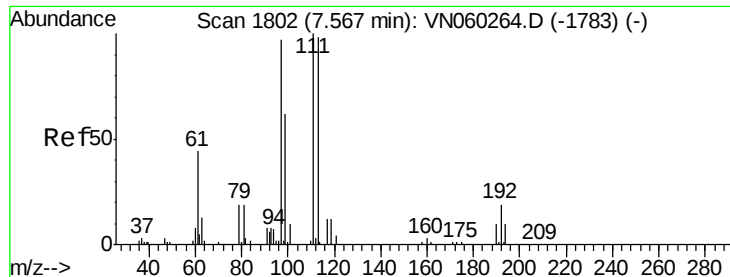
MMDadoda
 2/28/2020 12:31:16 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	43.2	
88	15.8	0.0	31.6	





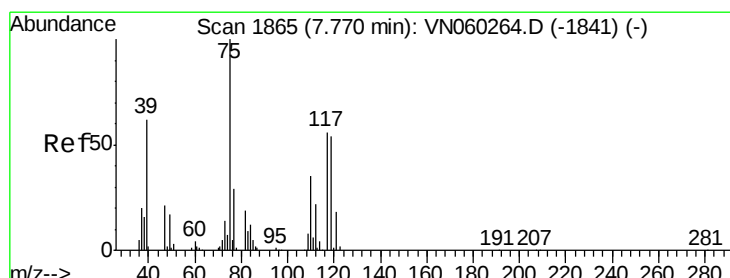
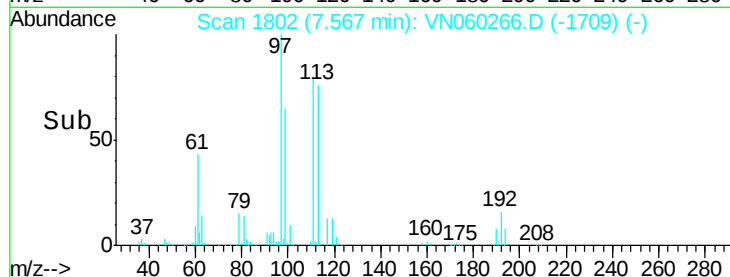
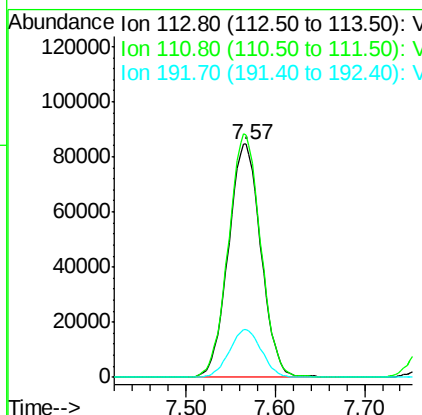
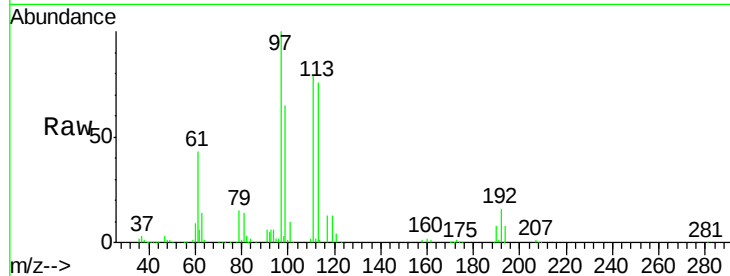
#35
 Dibromofluoromethane
 Concen: 121.193 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213706		
111	103.5	82.4	123.6	
192	20.1	16.2	24.2	

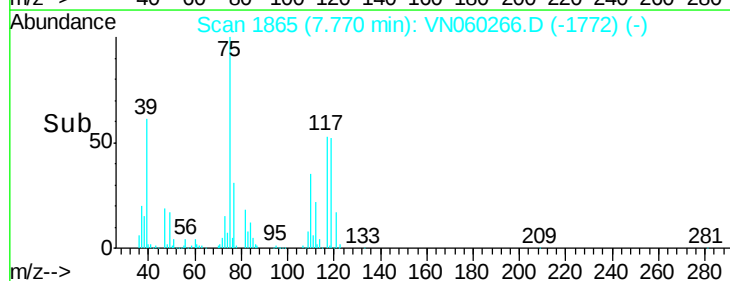
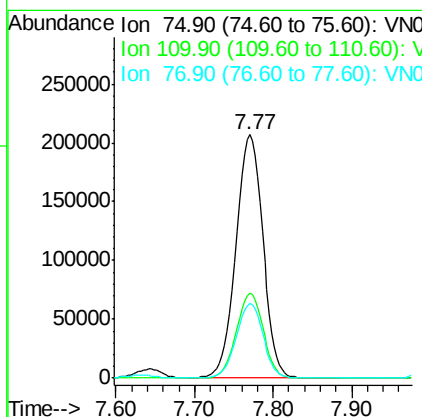
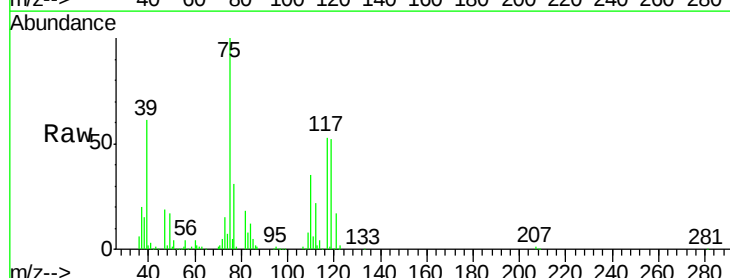
Manual Integrations
 APPROVED

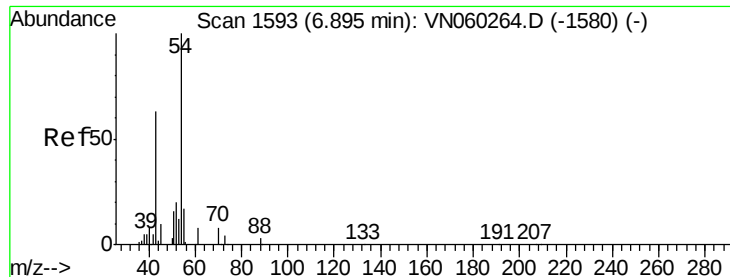
MMDadoda
 2/28/2020 12:31:16 PM



#36
 1,1-Dichloropropene
 Concen: 140.812 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	497284		
110	34.8	17.3	52.0	
77	30.8	24.2	36.2	





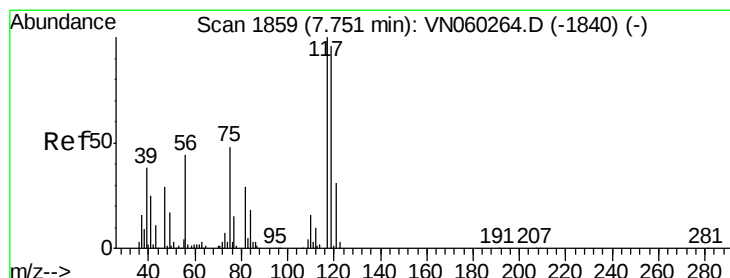
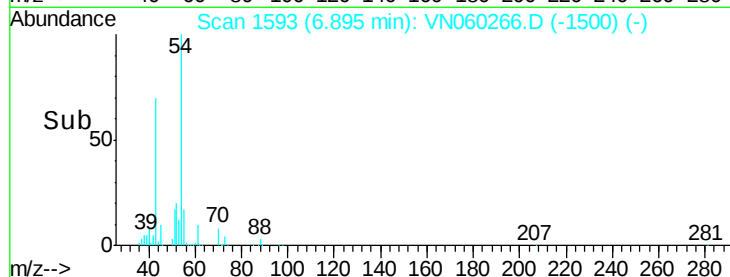
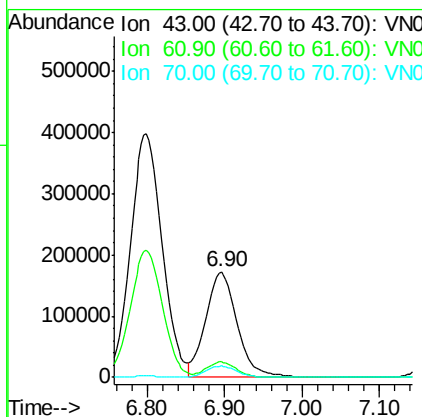
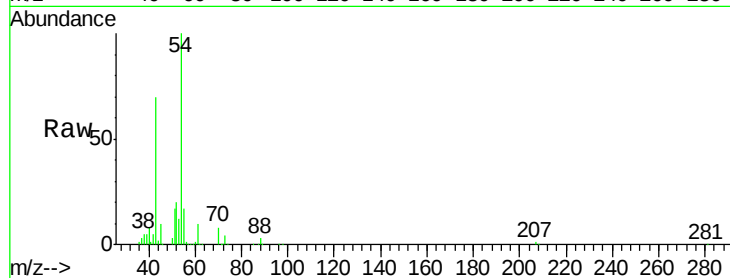
#37
Ethyl Acetate
Concen: 147.521 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	10.5	8.4	12.6

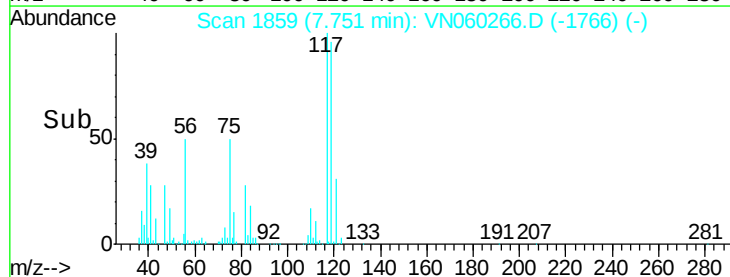
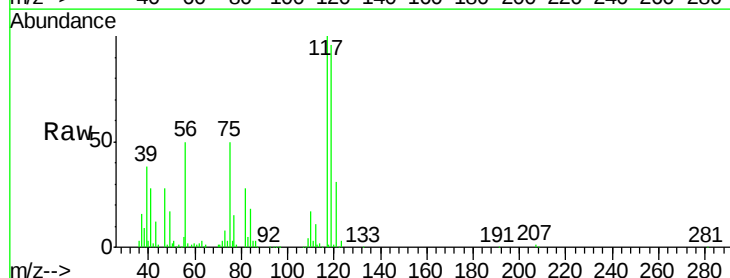
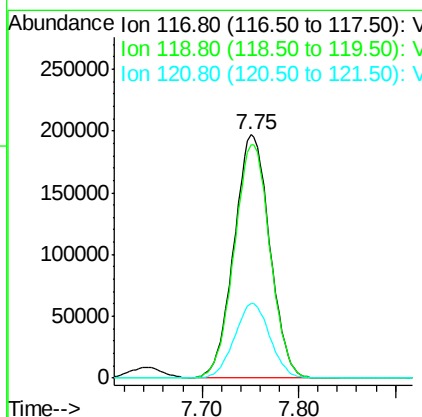
Manual Integrations
APPROVED

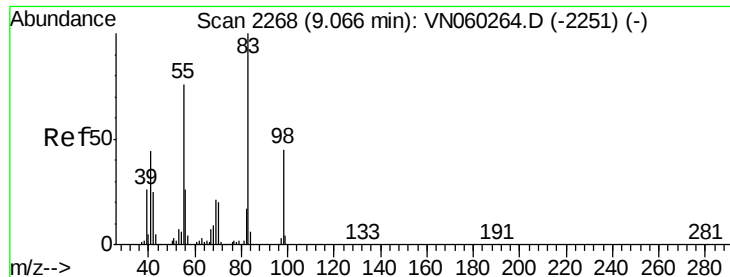
MMDadoda
2/28/2020 12:31:16 PM



#38
Carbon Tetrachloride
Concen: 144.509 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.7	115.1
121	30.7	24.5	36.7





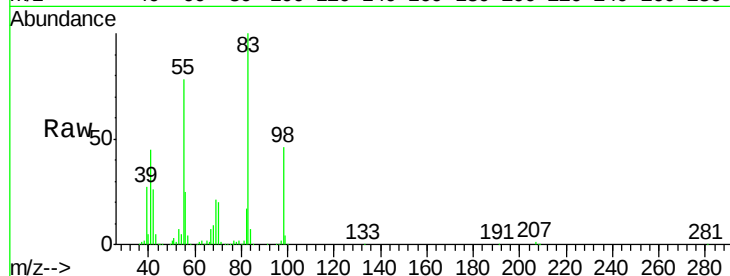
#39
Methvlcvclohexane
Concen: 140.638 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.0	91.4
98	45.6	36.1	54.1

Manual Integrations
APPROVED

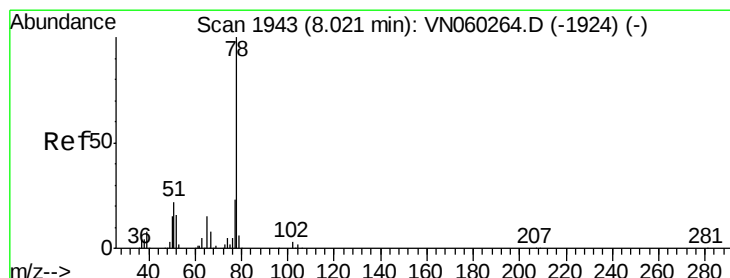
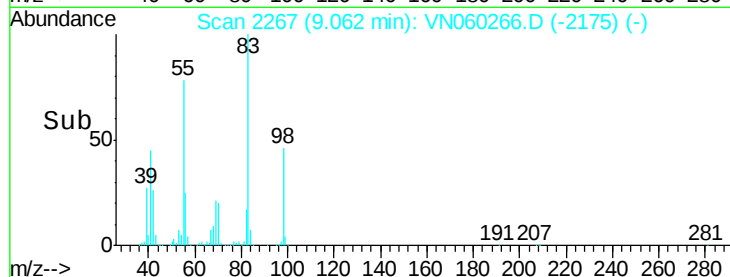
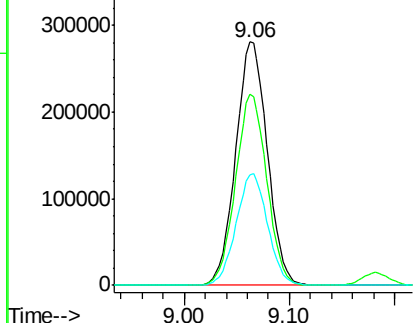
MMDadoda
2/28/2020 12:31:16 PM



Abundance Ion 83.00 (82.70 to 83.70): VN060266.D (-2175) (-)

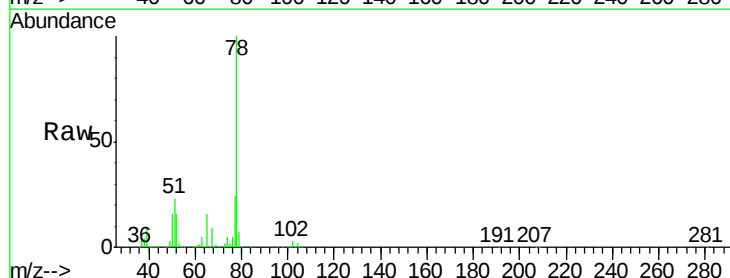
Ion 55.00 (54.70 to 55.70): VN060266.D (-2175) (-)

Ion 98.00 (97.70 to 98.70): VN060266.D (-2175) (-)



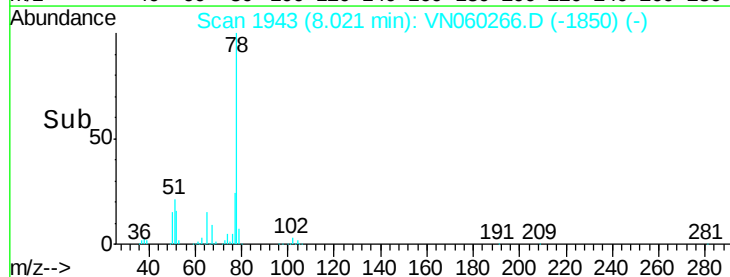
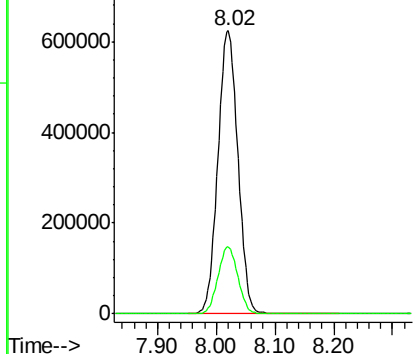
#40
Benzene
Concen: 140.485 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

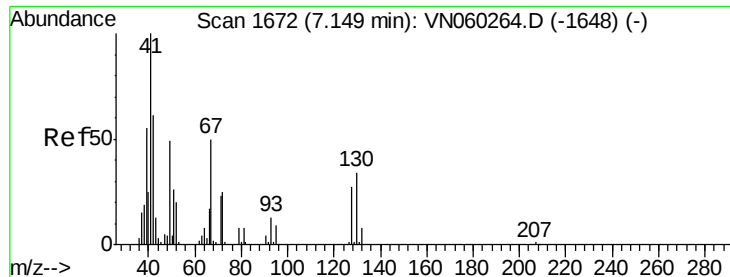
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN060266.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN060266.D (-1850) (-)





#41

Methacrylonitrile

Concen: 152.307 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

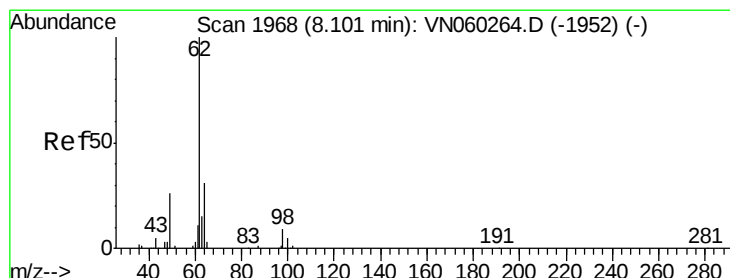
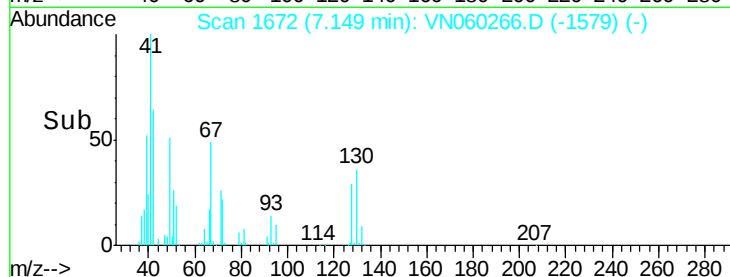
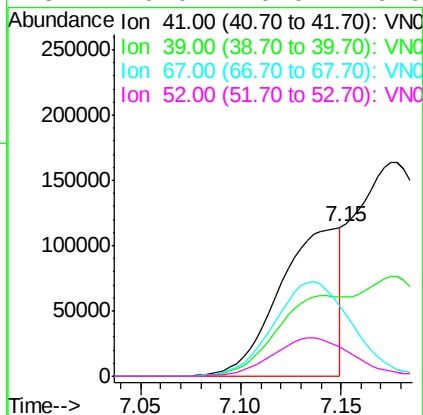
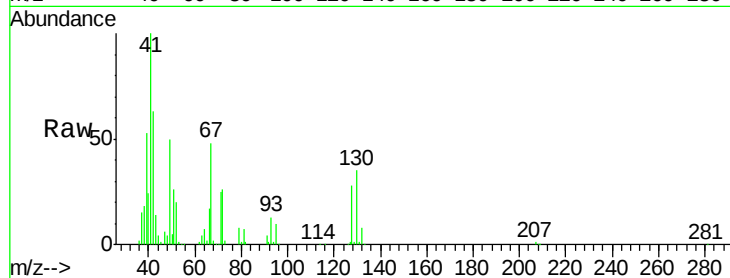
ClientSampleId :

VSTDIC150

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

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#42

1,2-Dichloroethane

Concen: 139.155 ug/l

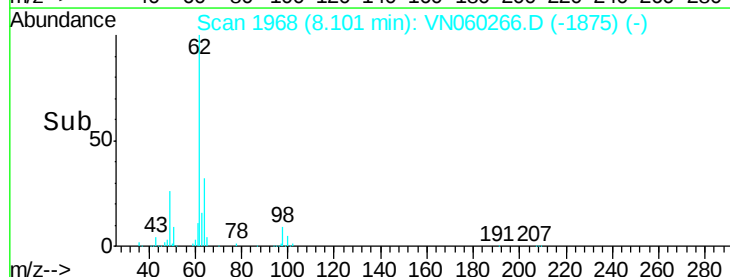
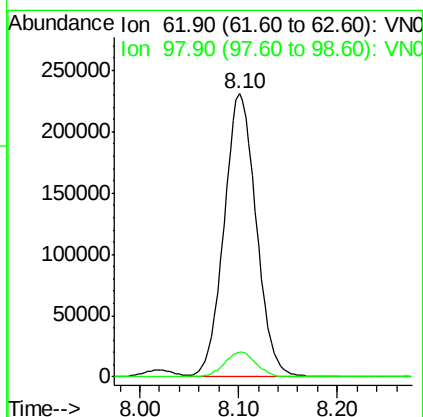
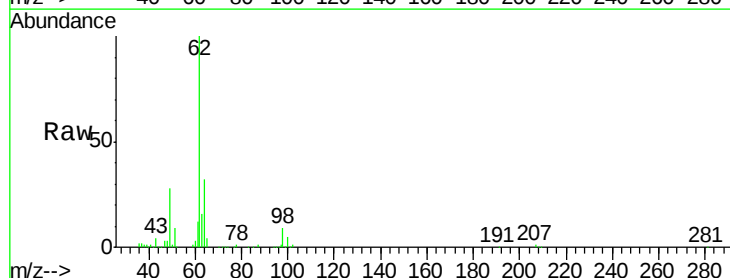
RT: 8.10 min Scan# 1968

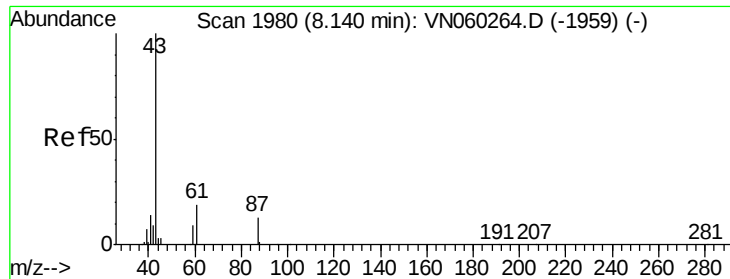
Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 144.531 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

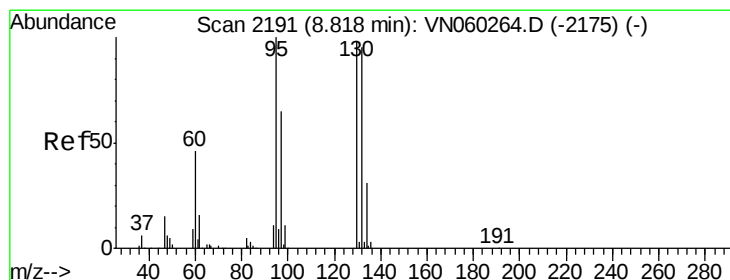
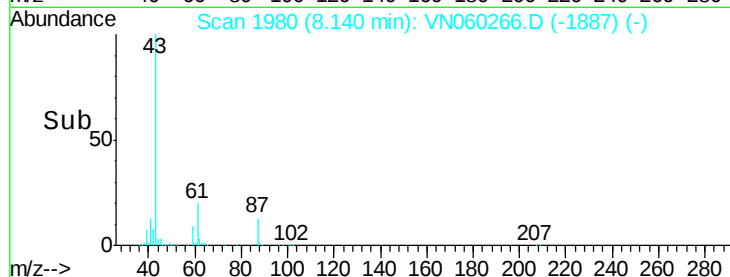
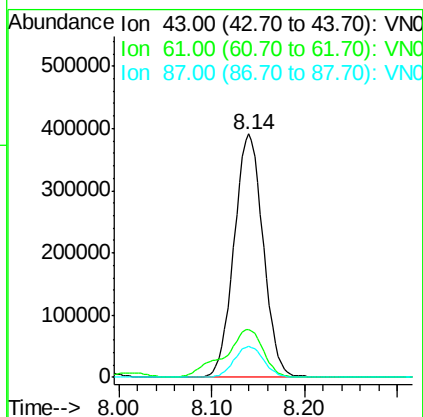
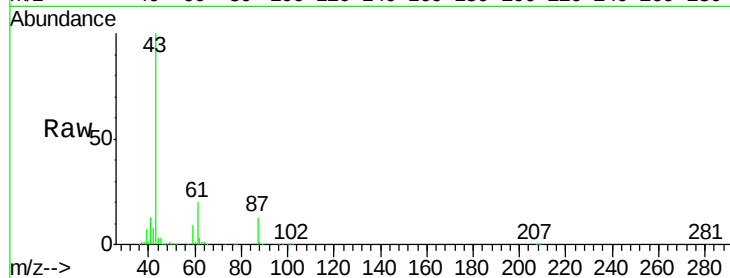
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	850461
Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.9	31.3
87	12.9	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#44

Trichloroethene

Concen: 138.000 ug/l

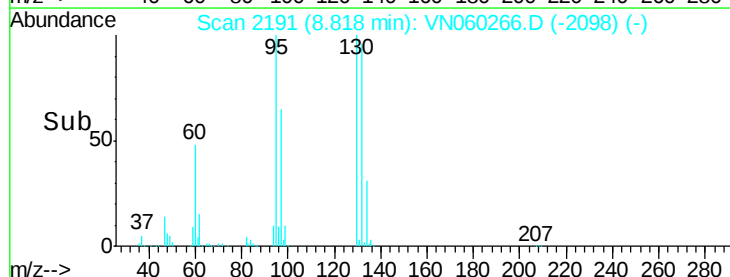
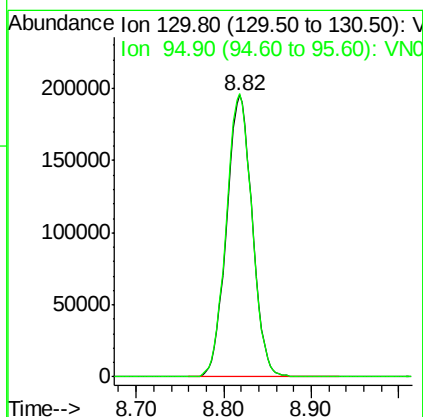
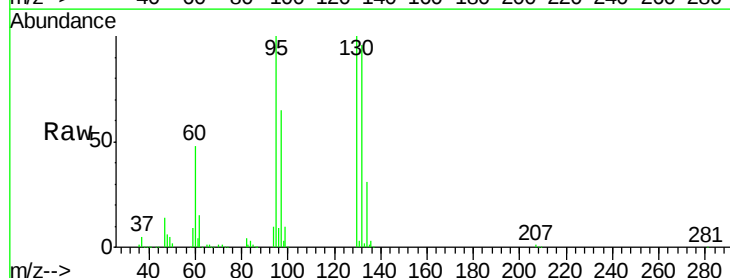
RT: 8.82 min Scan# 2191

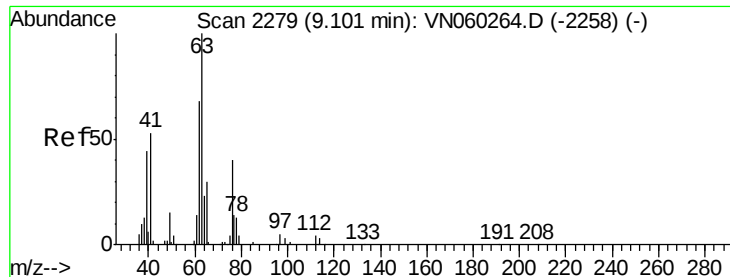
Delta R.T. 0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion:	130	Resp:	398554
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	203.4





#45

1,2-Dichloropropane

Concen: 141.744 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 393347

Ion Ratio Lower Upper

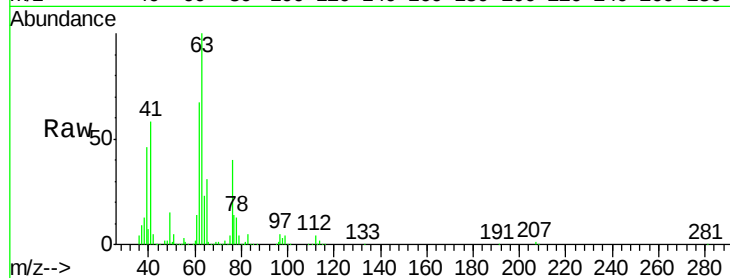
63 100

65 30.6 24.4 36.6

Manual Integrations
APPROVED

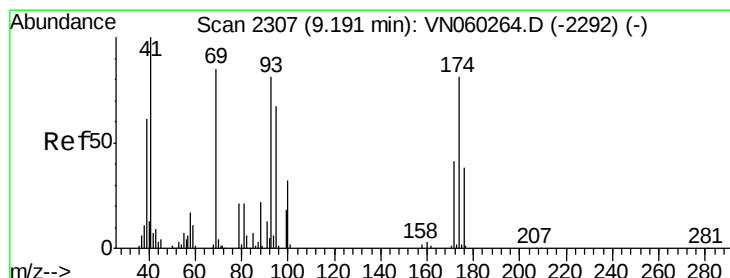
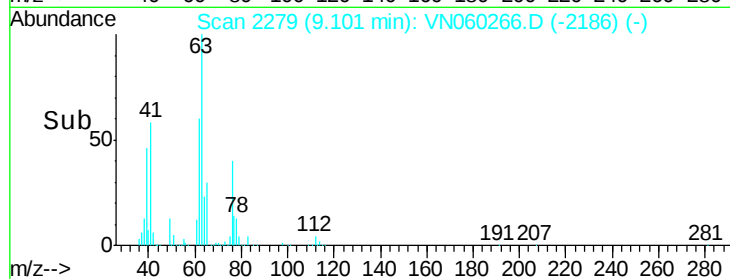
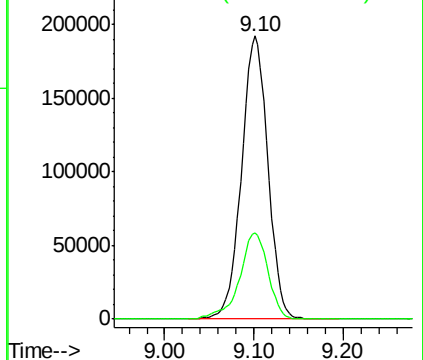
MMDadoda

2/28/2020 12:31:16 PM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 144.514 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

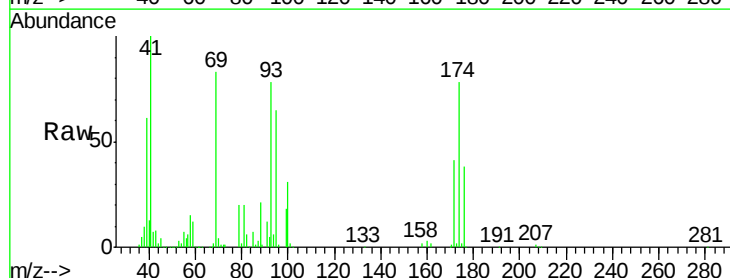
Tgt Ion: 93 Resp: 254415

Ion Ratio Lower Upper

93 100

95 83.0 65.9 98.9

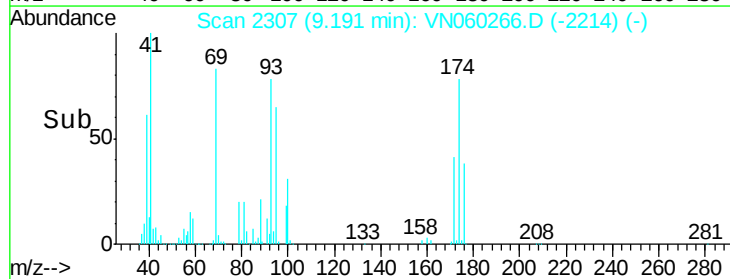
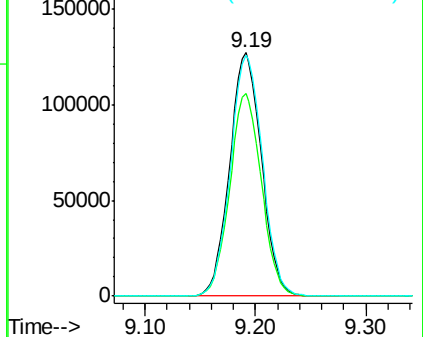
174 99.6 79.6 119.4

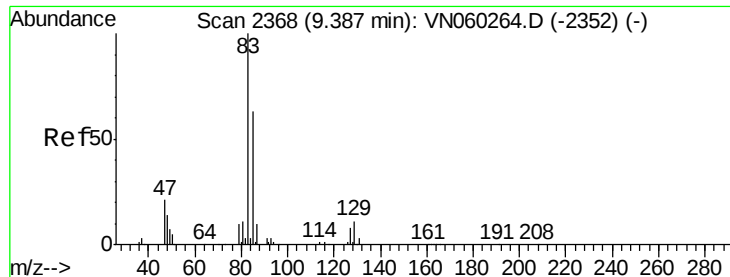


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 149.474 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

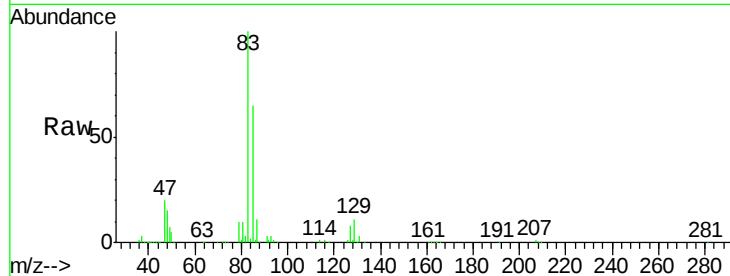
ClientSampleId :

VSTDIC150

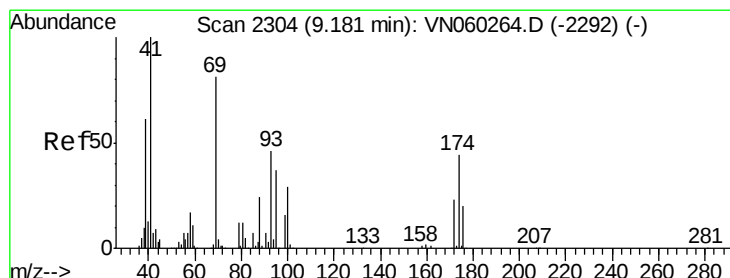
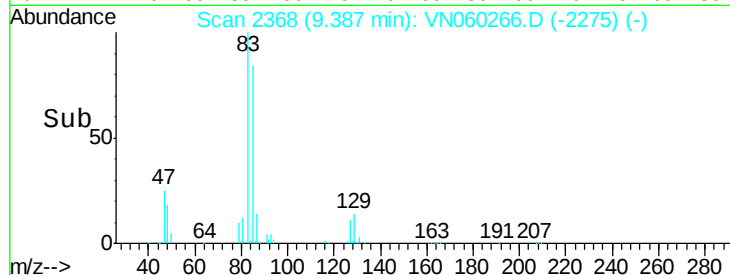
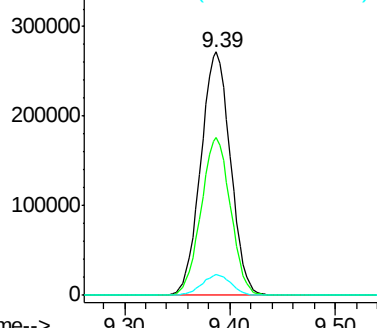
Tot Ion:	83	Resp:	529207
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.7	76.1
127	8.5	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060266.D (-2275) (-)



#48

Methyl methacrylate

Concen: 150.109 ug/l

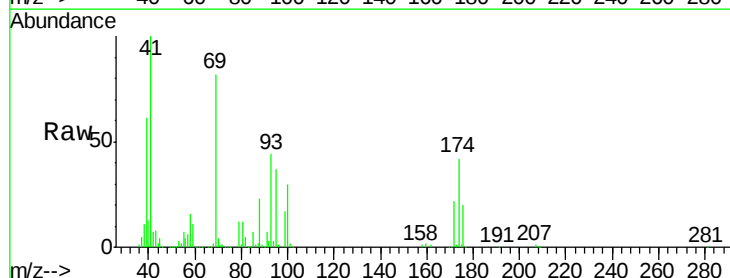
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

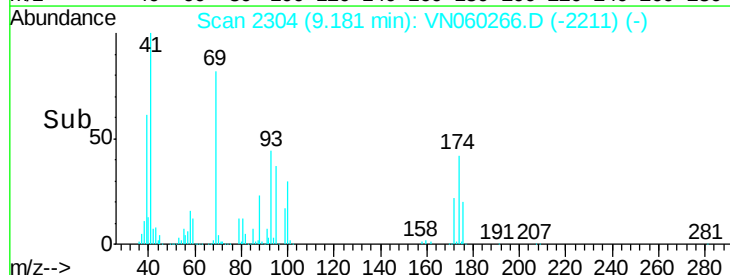
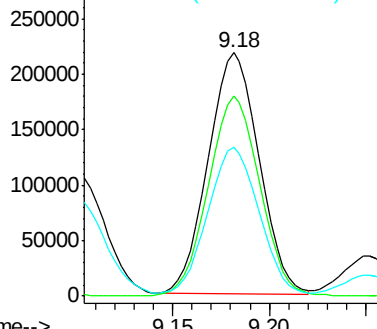
Lab File: VN060266.D

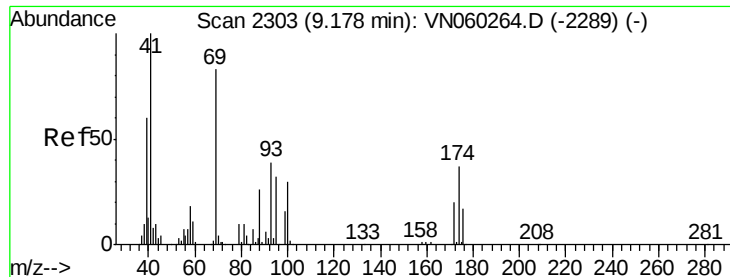
Acq: 27 Feb 2020 12:14

Tgt Ion:	41	Resp:	396311
Ion	Ratio	Lower	Upper
41	100		
69	84.5	66.7	100.1
39	60.8	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060266.D (-2211) (-)





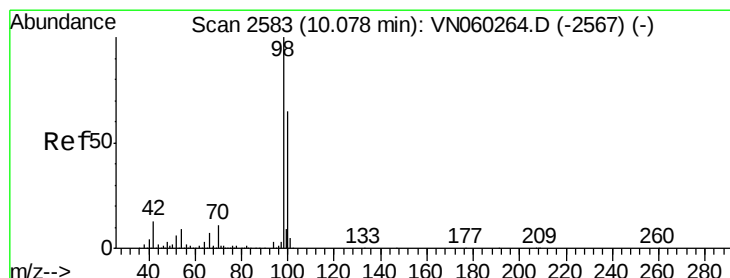
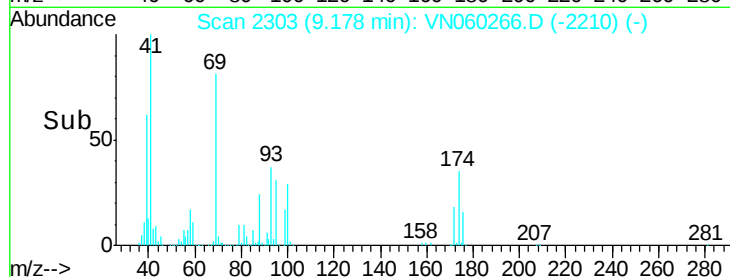
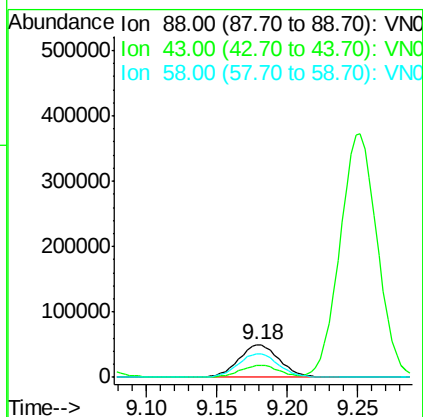
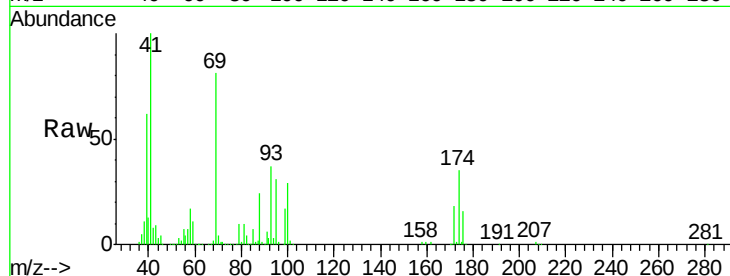
#49
1,4-Dioxane
Concen: 2590.867 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	30.4	45.6
58	72.1	57.0	85.6

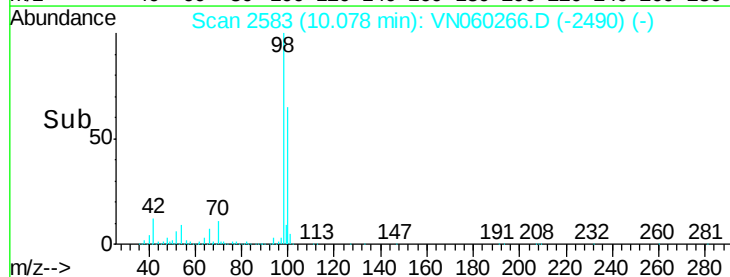
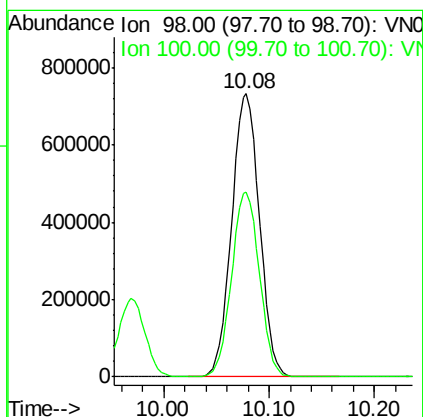
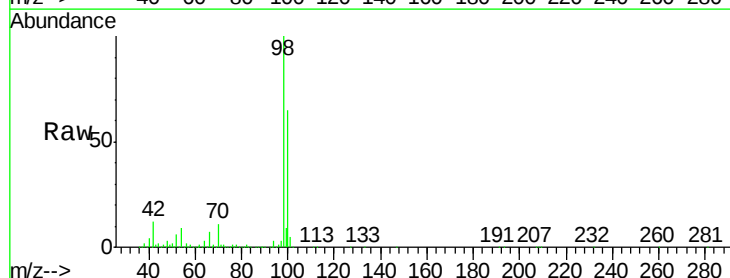
Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#50
Toluene-d8
Concen: 156.663 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 727.996 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2420189

Ion Ratio Lower Upper

43 100

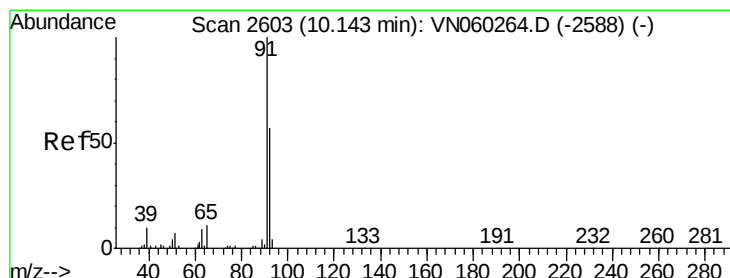
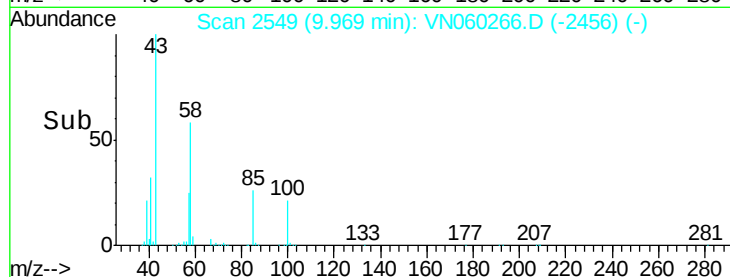
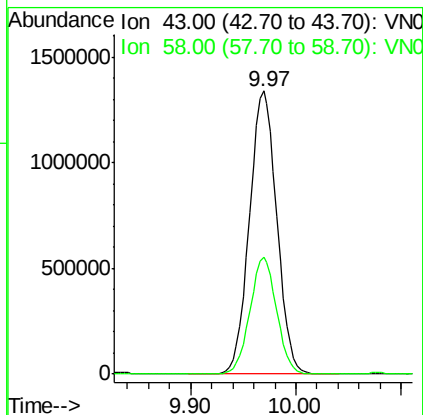
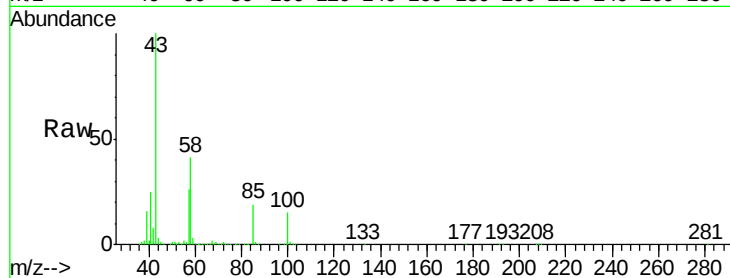
58 40.2 30.9 46.3

Manual Integrations

APPROVED

MMDadoda

2/28/2020 12:31:16 PM



#52

Toluene

Concen: 144.602 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060266.D

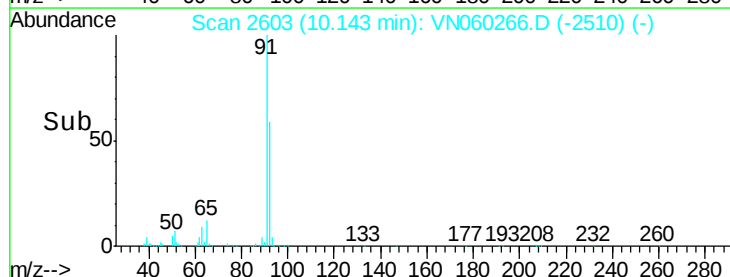
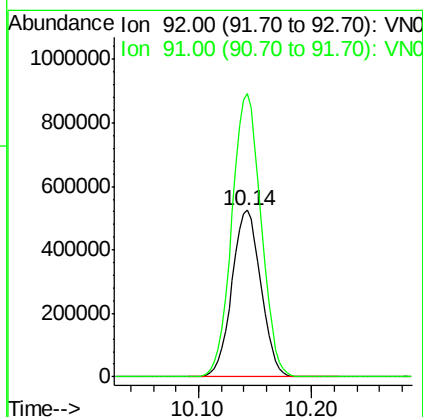
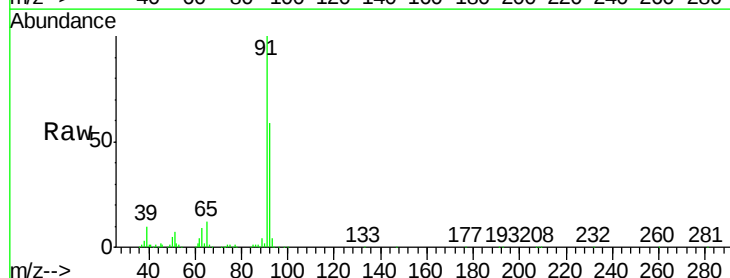
Acq: 27 Feb 2020 12:14

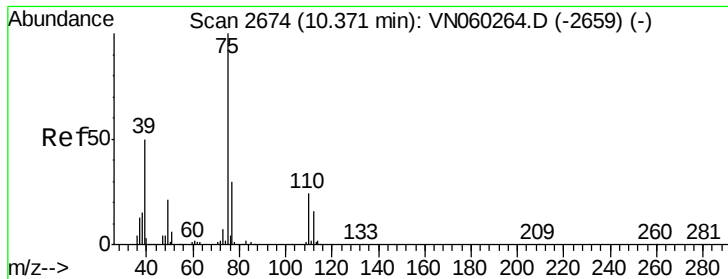
Tgt Ion: 92 Resp: 936166

Ion Ratio Lower Upper

92 100

91 171.3 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 145.108 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 626360

Ion Ratio Lower Upper

75 100

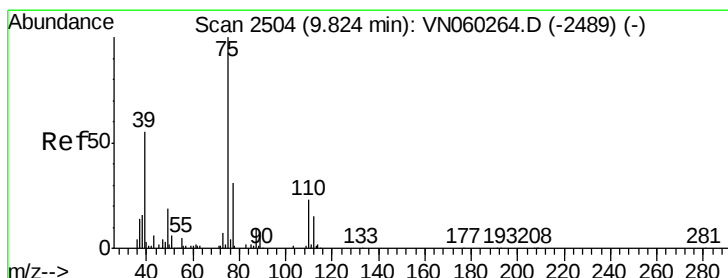
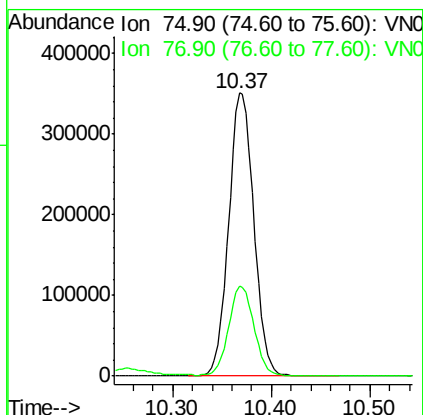
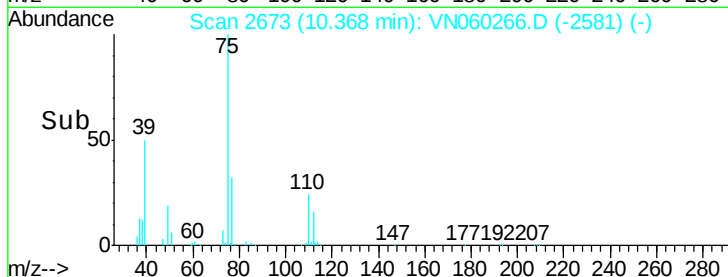
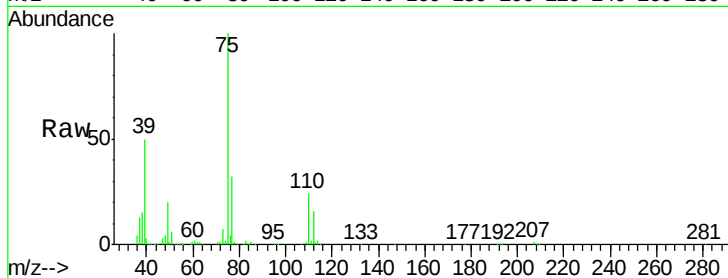
77 31.5 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

2/28/2020 12:31:16 PM



#54

cis-1,3-Dichloropropene

Concen: 143.174 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

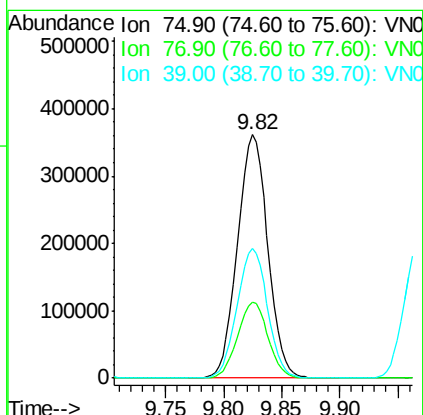
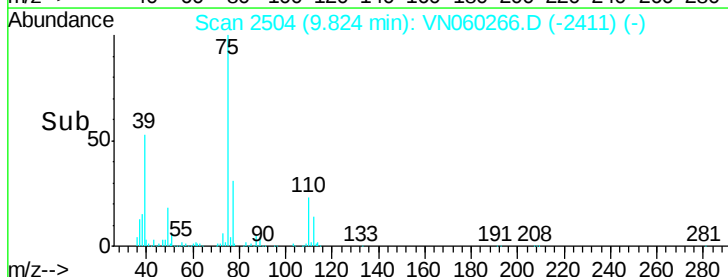
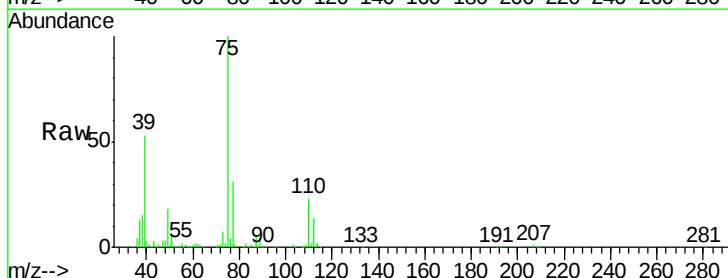
Tgt Ion: 75 Resp: 655766

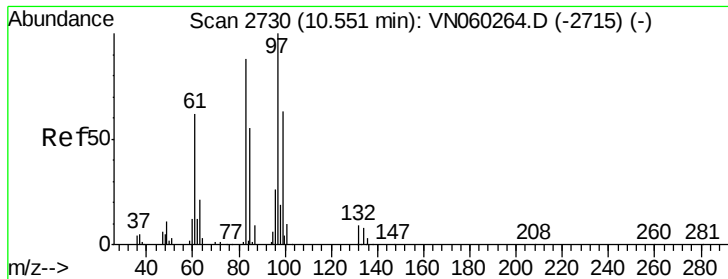
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 53.2 43.8 65.8





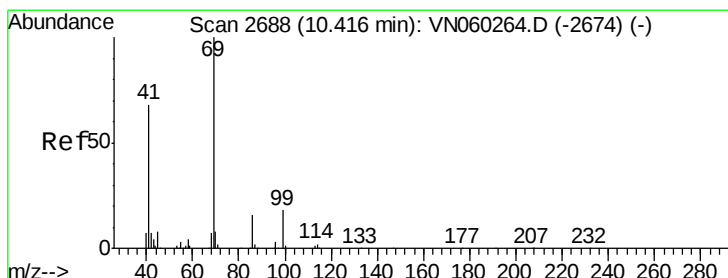
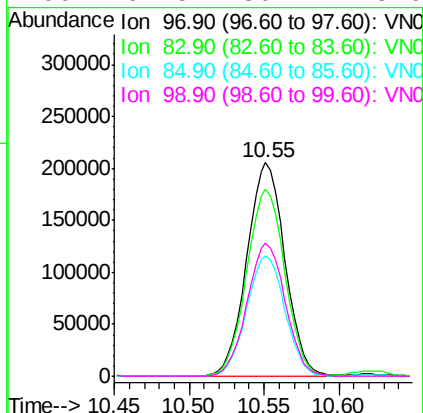
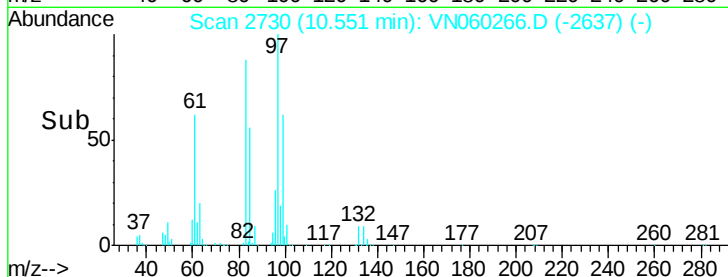
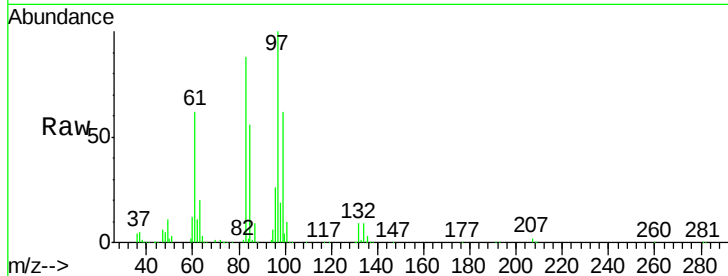
#55
 1,1,2-Trichloroethane
 Concen: 138.115 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.0	105.0
85	56.4	44.0	66.0
99	62.5	50.4	75.6

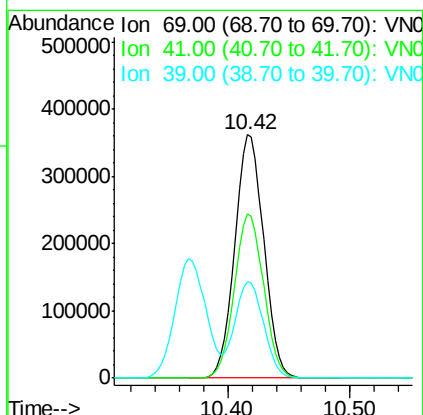
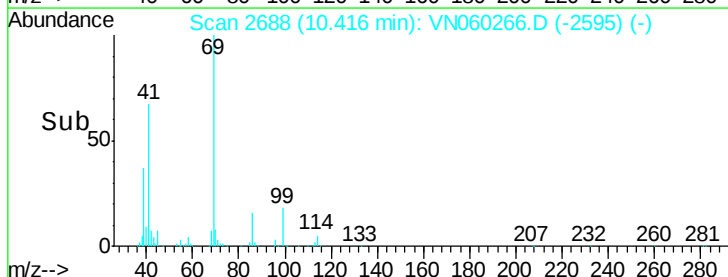
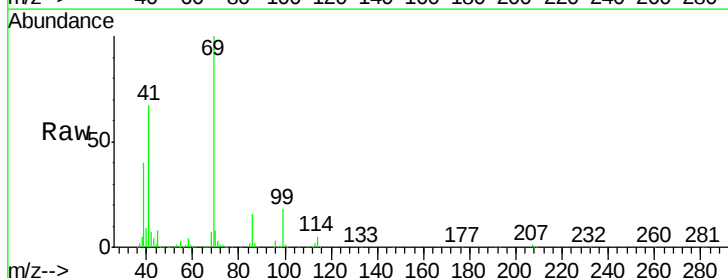
Manual Integrations
 APPROVED

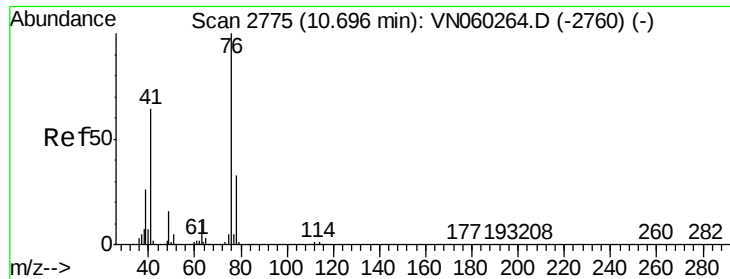
MMDadoda
 2/28/2020 12:31:16 PM



#56
 Ethyl methacrylate
 Concen: 161.313 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.1	81.1
39	39.9	32.5	48.7





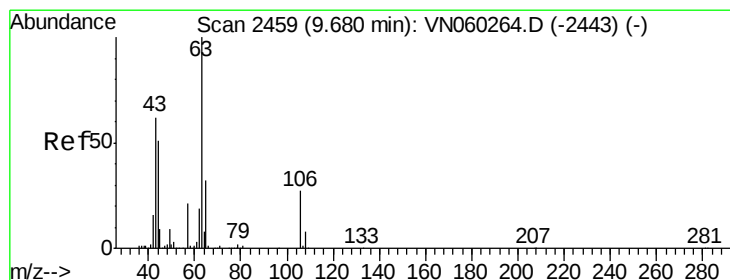
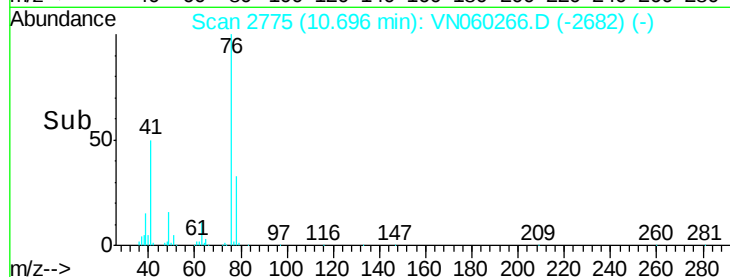
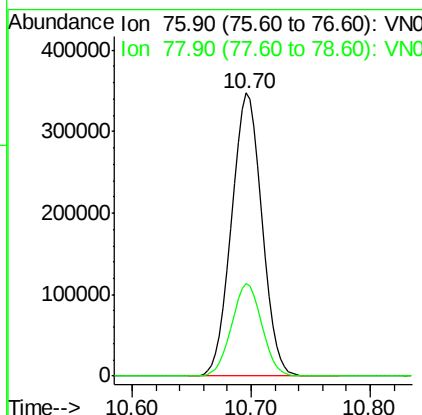
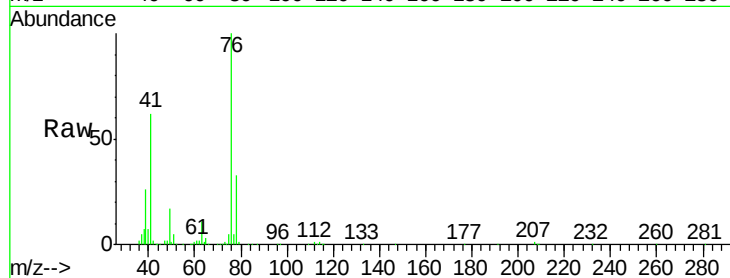
#57
 1,3-Dichloropropane
 Concen: 143.212 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.2

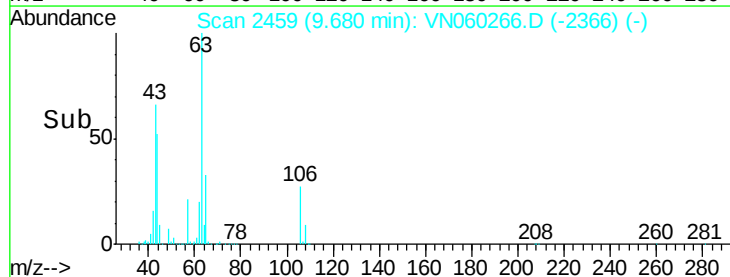
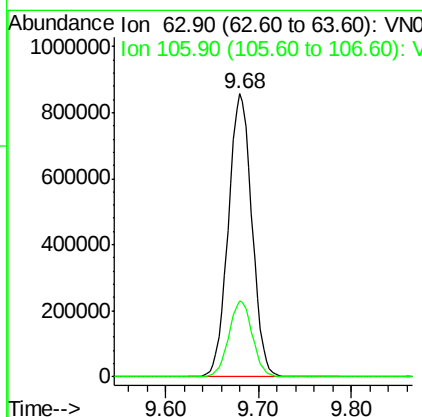
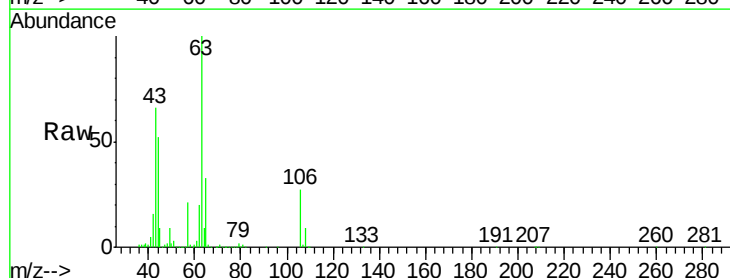
Manual Integrations
 APPROVED

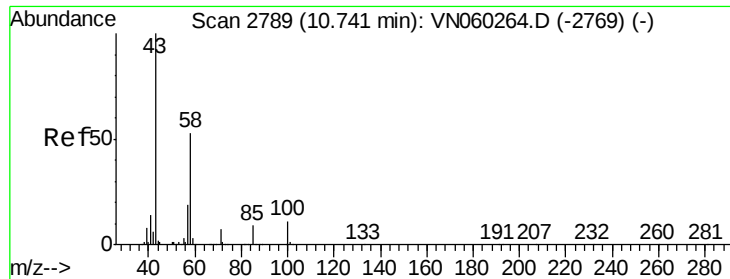
MMDadoda
 2/28/2020 12:31:16 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 756.085 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.1	31.7





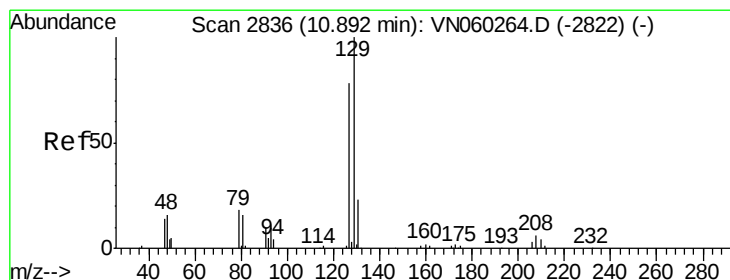
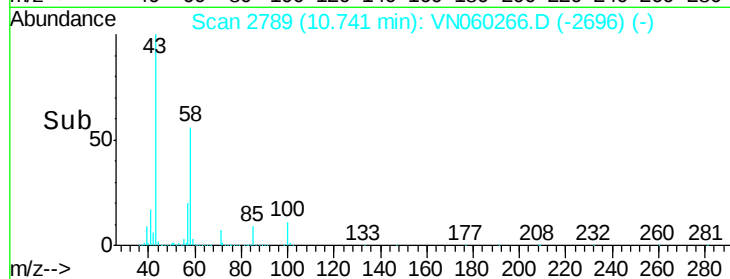
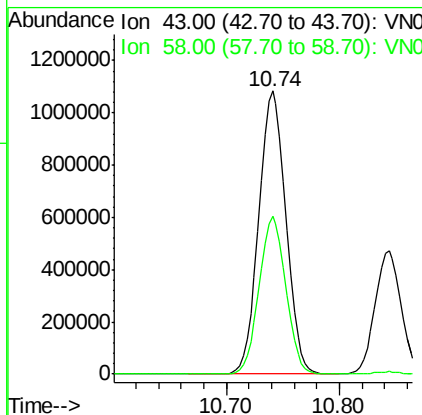
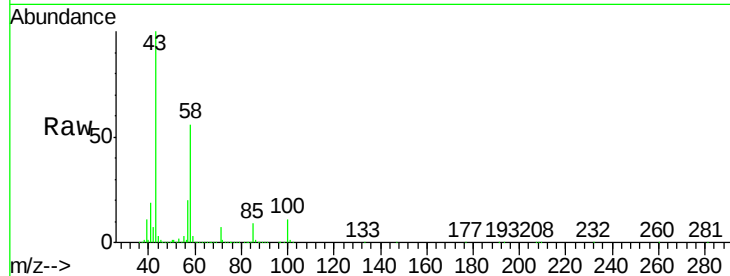
#59
2-Hexanone
Concen: 731.971 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1804469
Ion Ratio Lower Upper
43 100
58 54.9 26.5 79.5

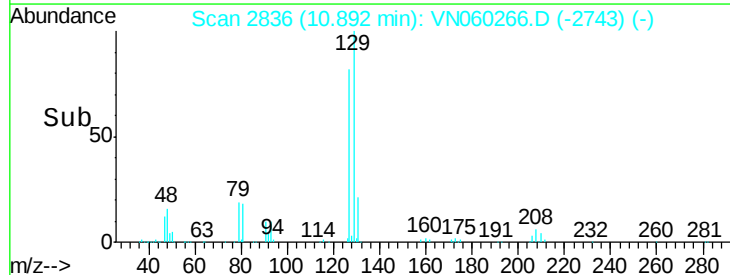
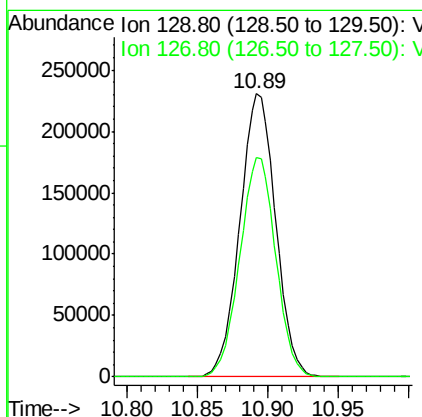
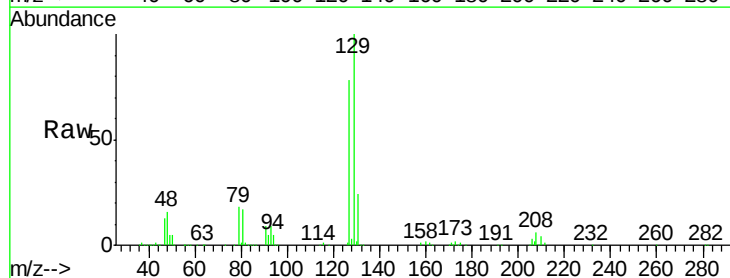
Manual Integrations
APPROVED

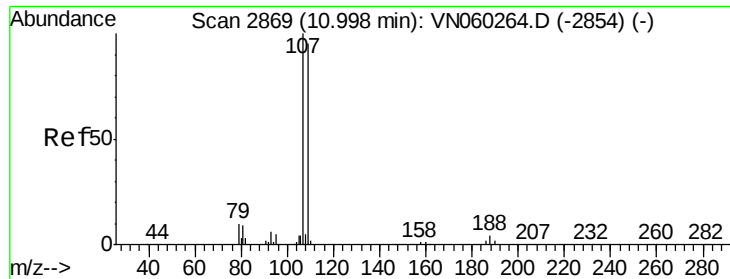
MMDadoda
2/28/2020 12:31:16 PM



#60
Dibromochloromethane
Concen: 158.004 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion: 129 Resp: 410321
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





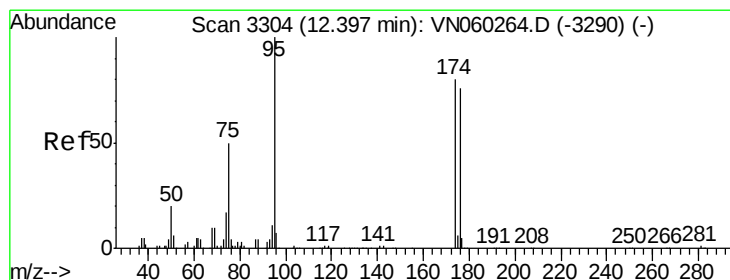
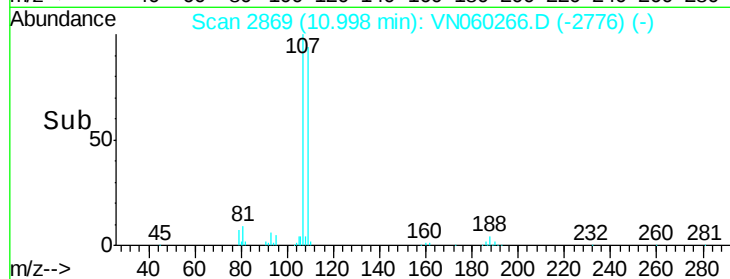
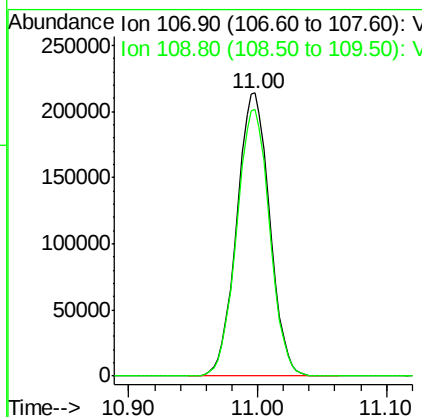
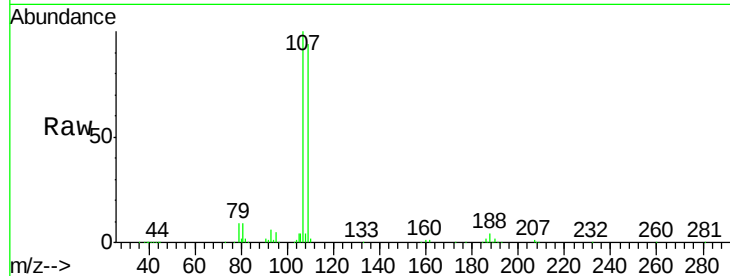
#61
 1,2-Dibromoethane
 Concen: 148.887 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.8	115.2

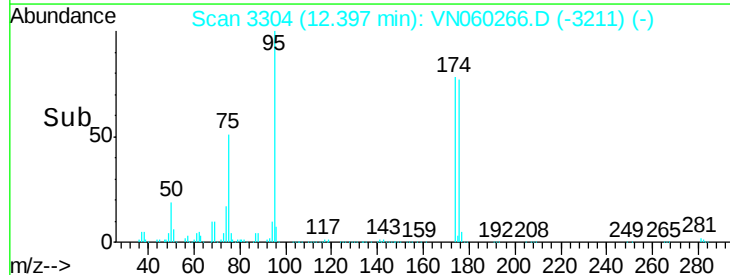
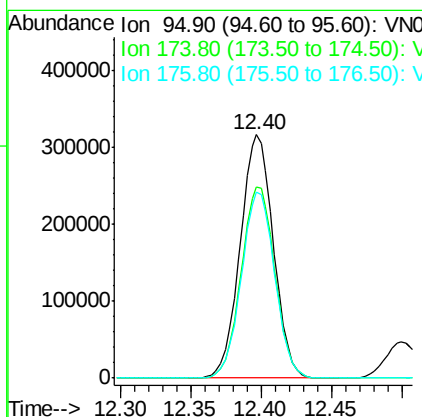
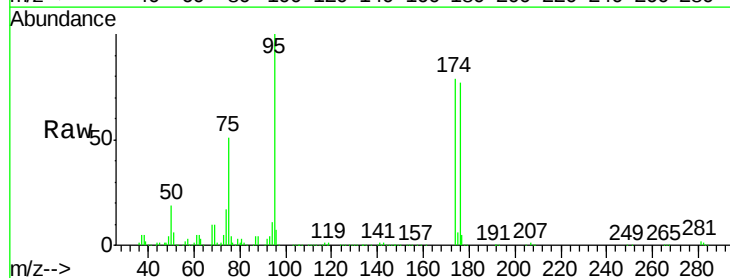
Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:16 PM



#62
 4-Bromofluorobenzene
 Concen: 163.080 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	159.2
176	77.1	0.0	153.8





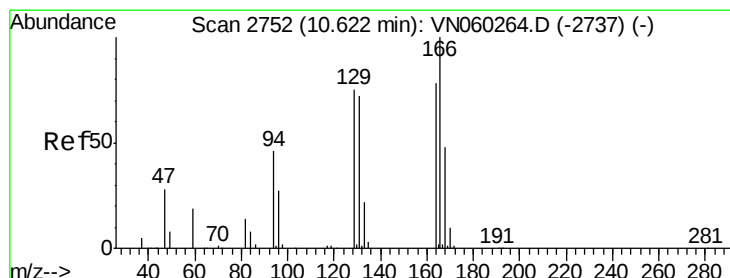
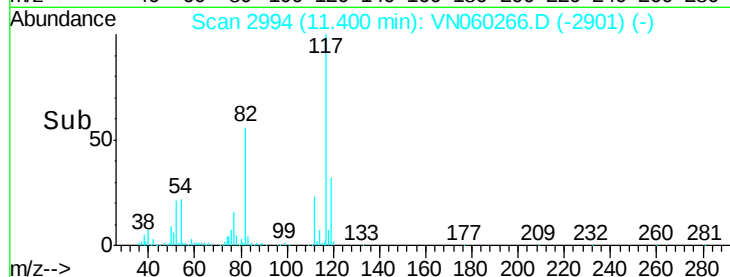
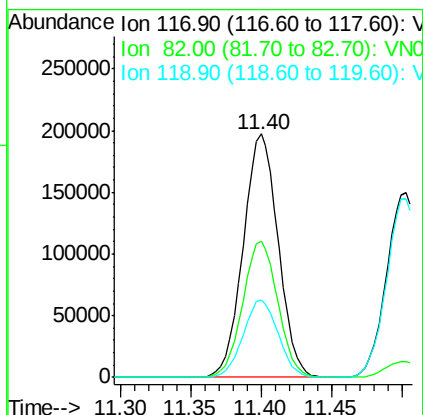
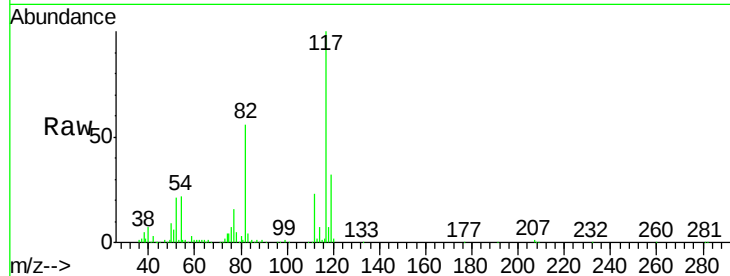
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.8	68.6
119	31.9	25.8	38.8

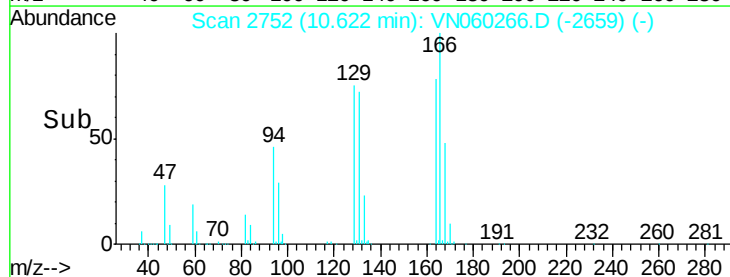
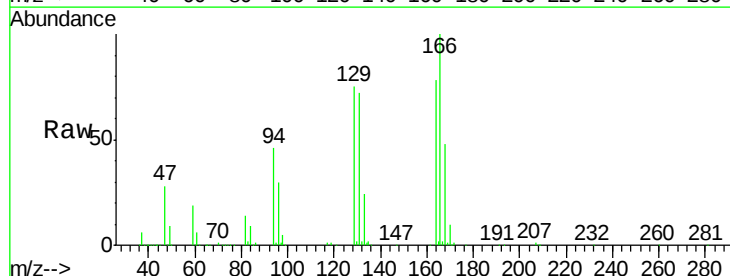
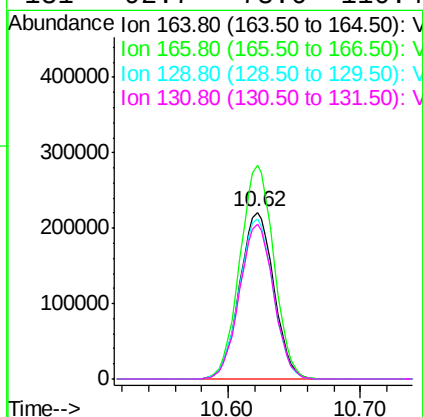
Manual Integrations
APPROVED

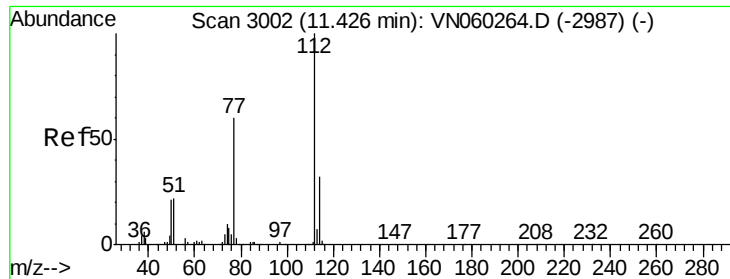
MMDadoda
2/28/2020 12:31:16 PM



#64
Tetrachloroethene
Concen: 127.270 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.0	153.0
129	96.0	76.4	114.6
131	92.7	73.6	110.4





#65

Chlorobenzene

Concen: 140.840 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 993664

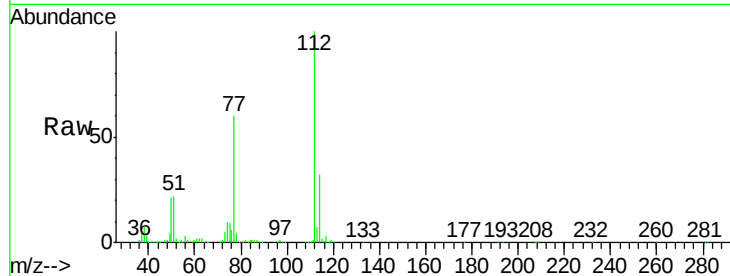
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

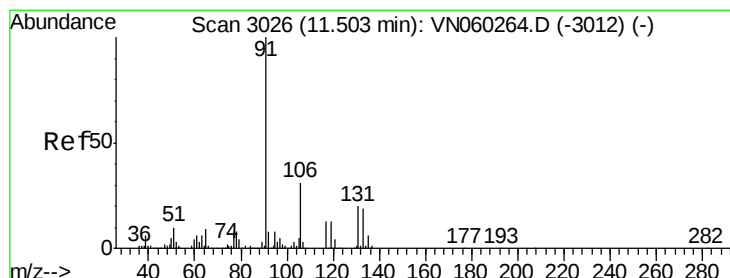
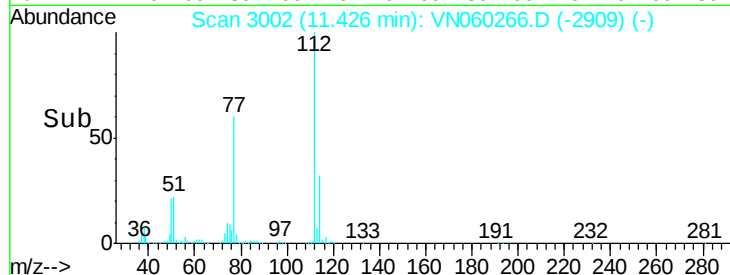
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 145.471 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

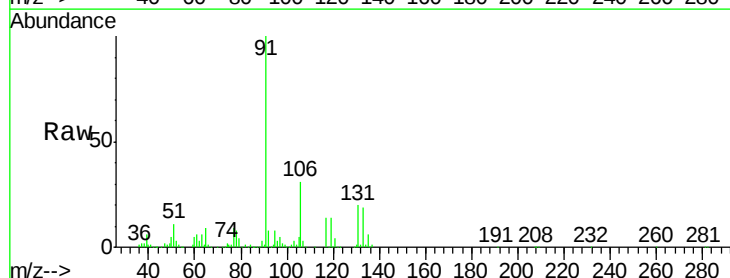
Tgt Ion:131 Resp: 380804

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

119 66.4 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

300000

250000

200000

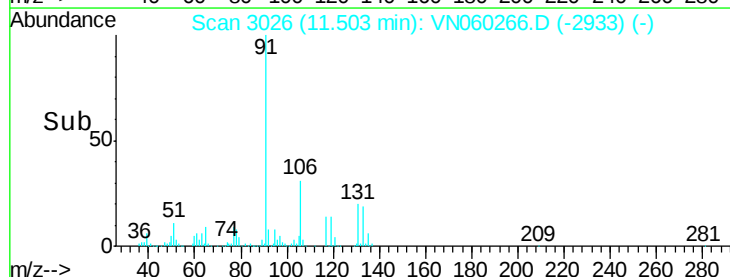
150000

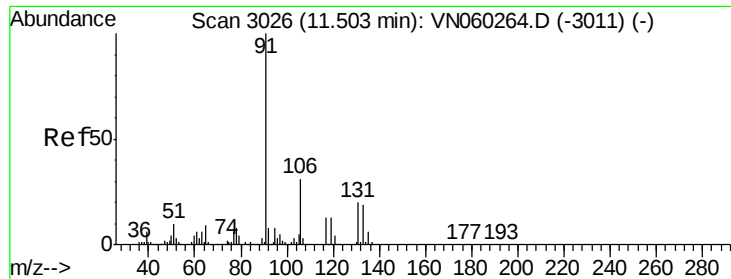
100000

50000

0

Time-->





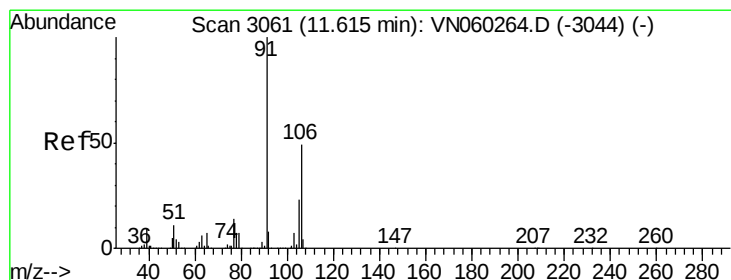
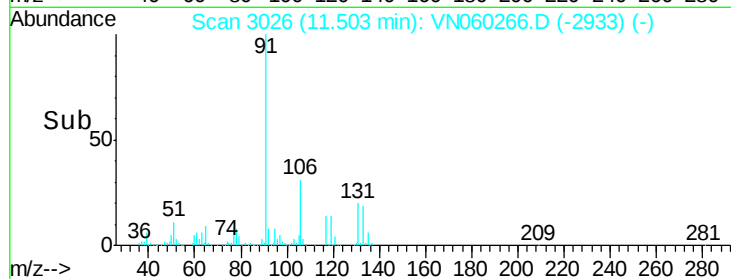
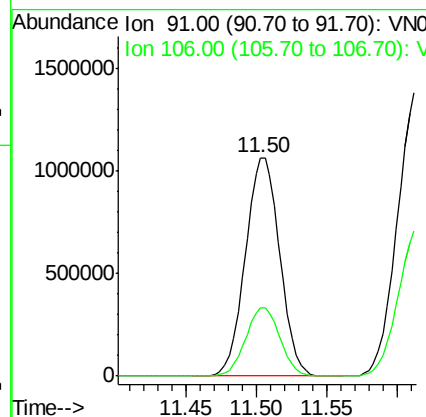
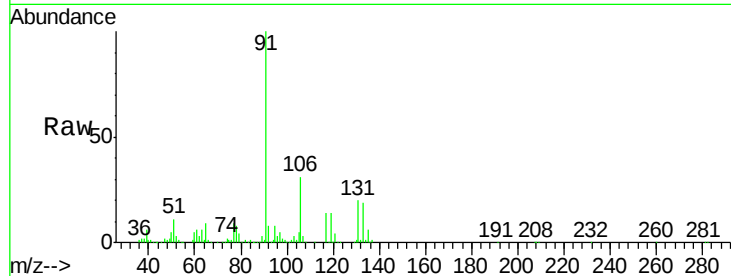
#67
Ethyl Benzene
Concen: 141.510 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 1819526
Ion Ratio Lower Upper
91 100
106 31.4 24.7 37.1

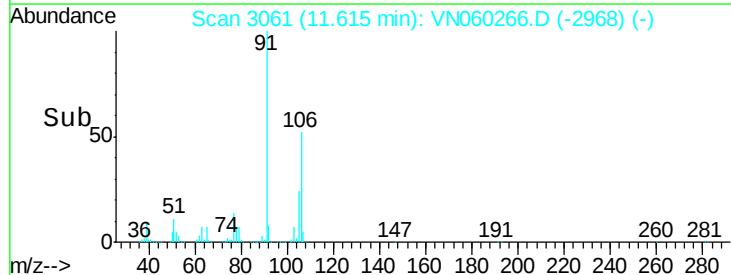
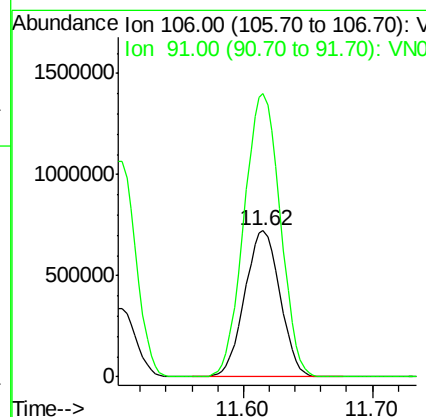
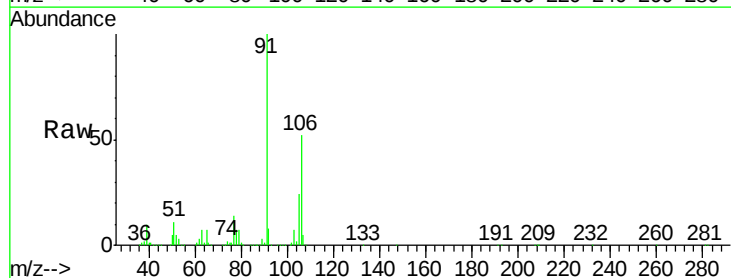
Manual Integrations
APPROVED

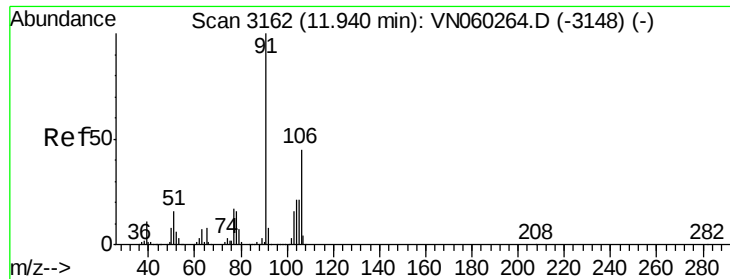
MMDadoda
2/28/2020 12:31:16 PM



#68
m/p-Xylenes
Concen: 288.982 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion: 106 Resp: 1376867
Ion Ratio Lower Upper
106 100
91 198.8 164.5 246.7





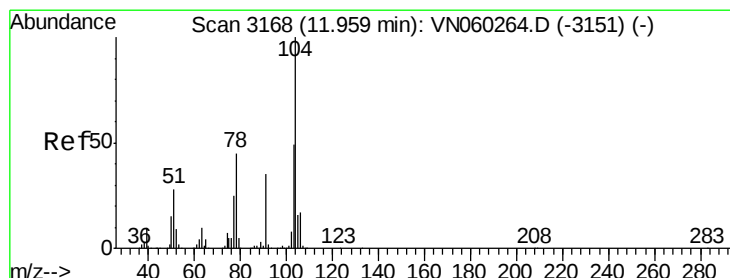
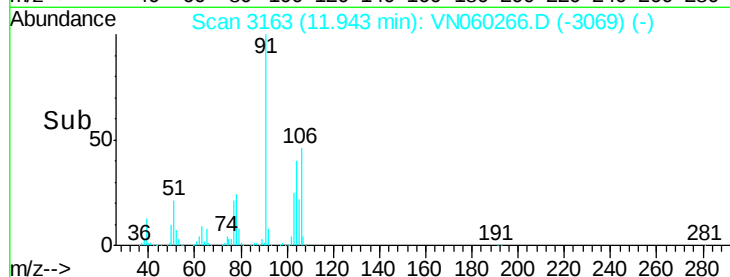
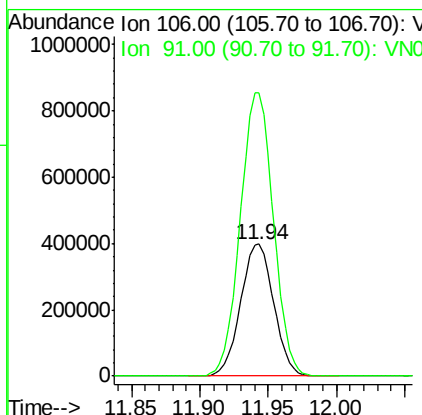
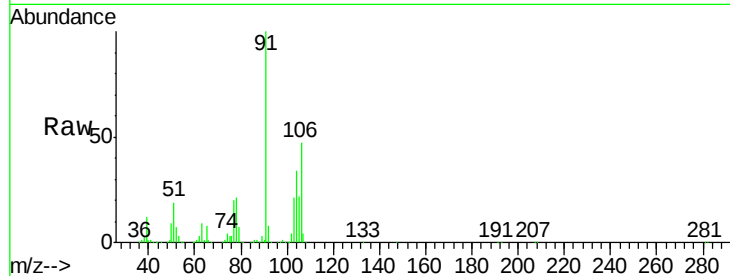
#69
o-Xylene
Concen: 143.521 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.7	109.5	328.4	

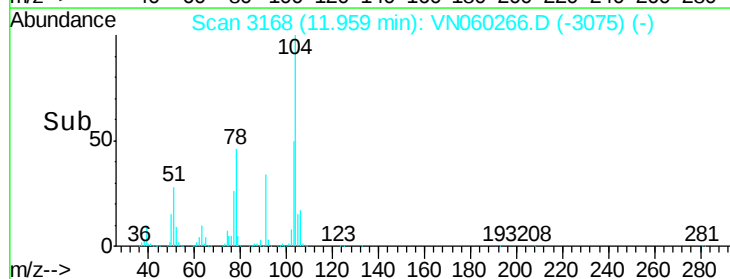
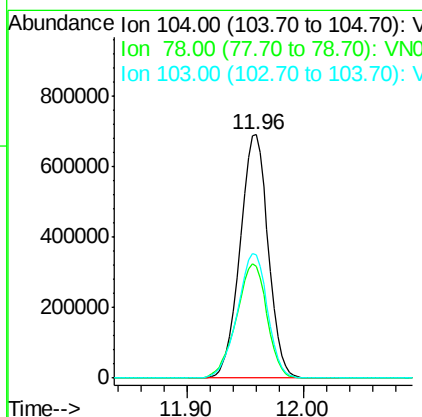
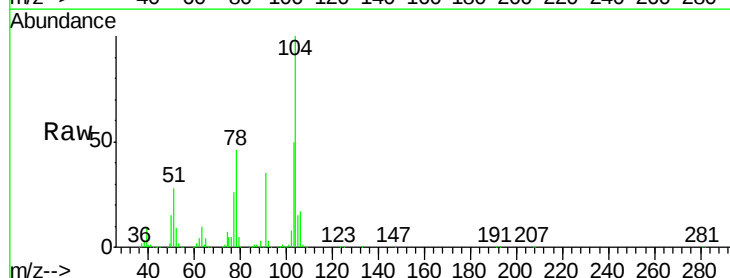
Manual Integrations
APPROVED

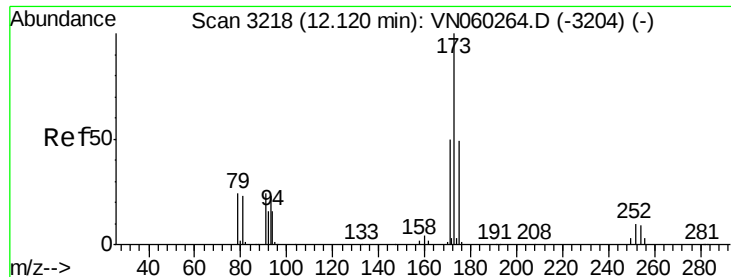
MMDadoda
2/28/2020 12:31:16 PM



#70
Styrene
Concen: 155.515 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.1	41.2	61.8	
103	54.8	43.9	65.9	





#71

Bromoform

Concen: 165.610 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

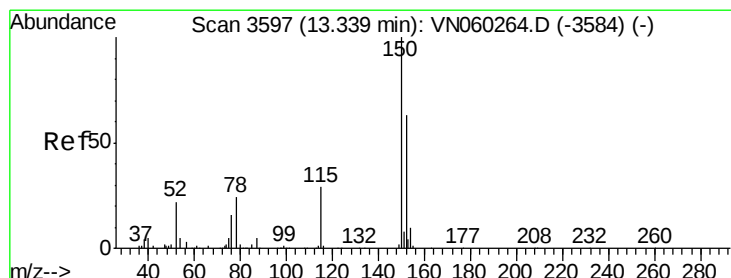
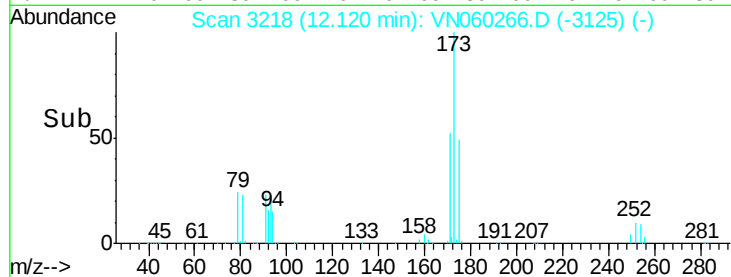
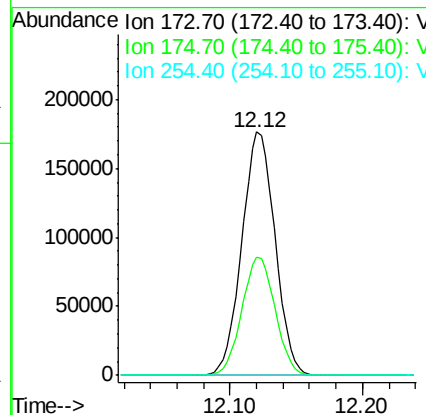
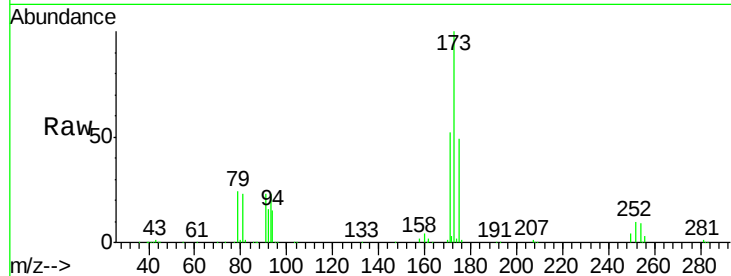
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

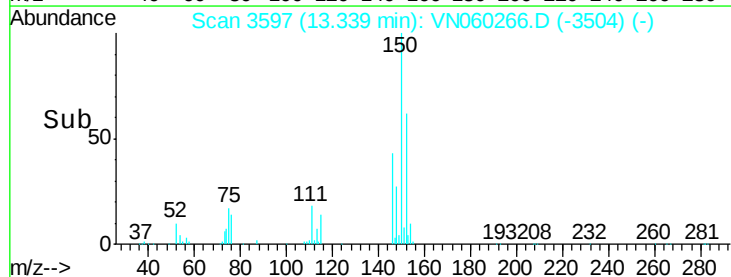
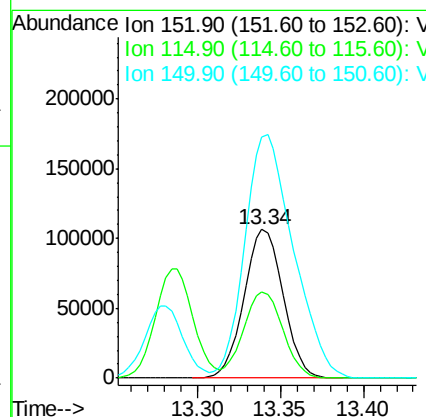
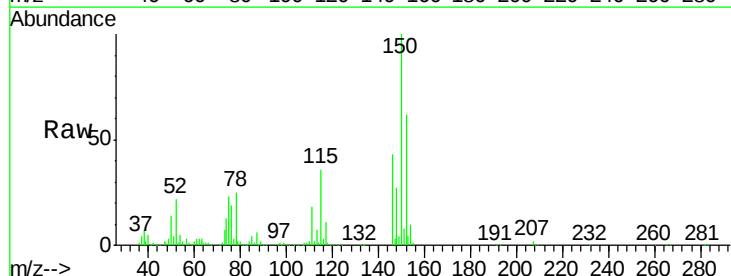
RT: 13.34 min Scan# 3597

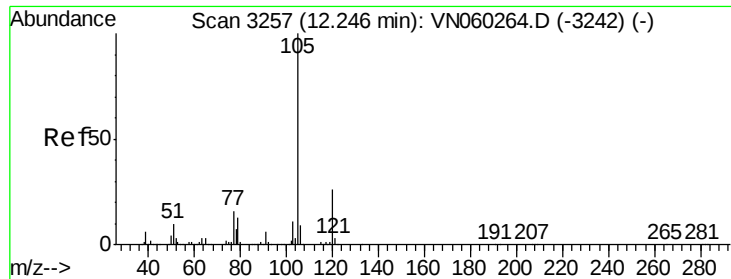
Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.0	90.0
150	203.5	0.0	349.6





#73

Isopropylbenzene

Concen: 135.206 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1790629

Ion Ratio Lower Upper

105 100

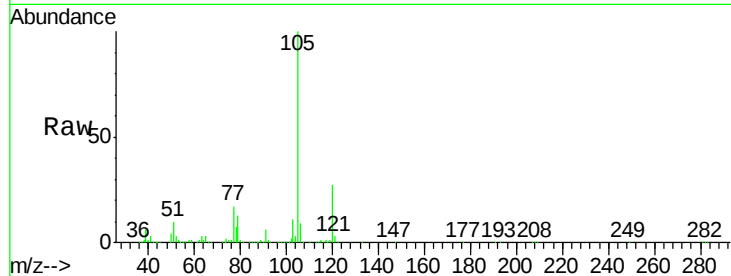
120 26.8 13.0 38.9

Manual Integrations

APPROVED

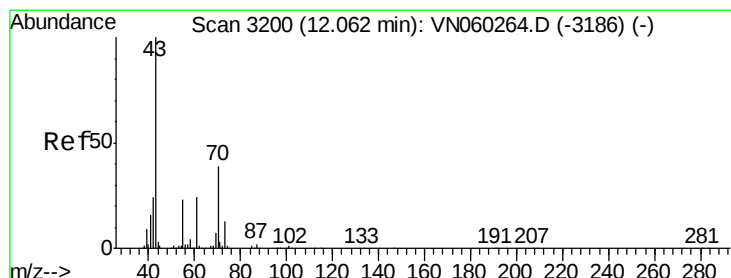
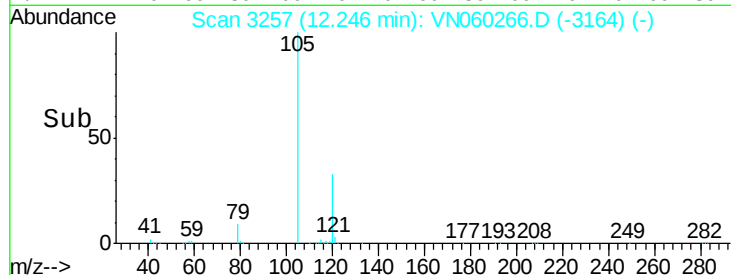
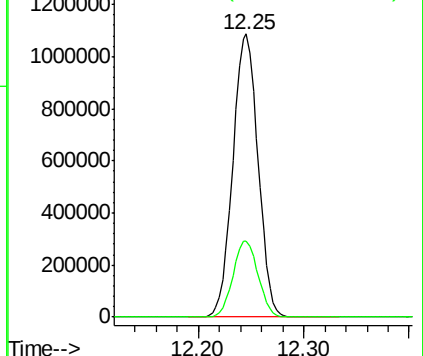
MMDadoda

2/28/2020 12:31:16 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 140.897 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion: 43 Resp: 805584

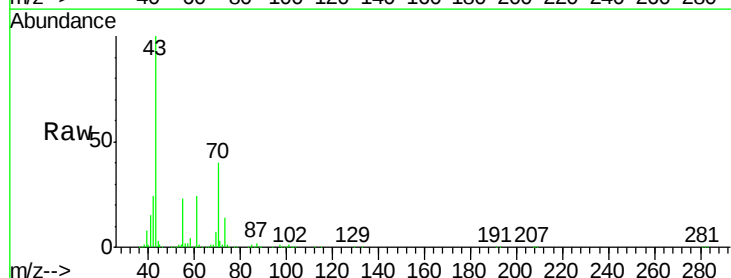
Ion Ratio Lower Upper

43 100

70 40.5 32.2 48.2

55 23.1 18.2 27.4

61 24.3 19.2 28.8

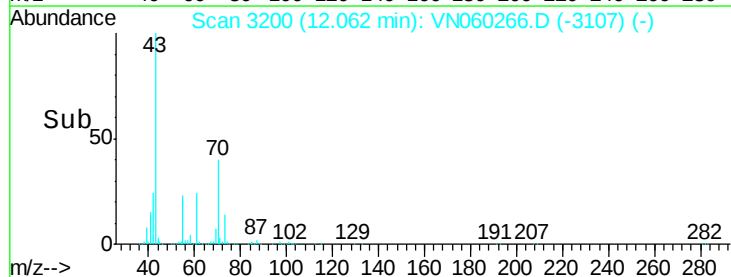
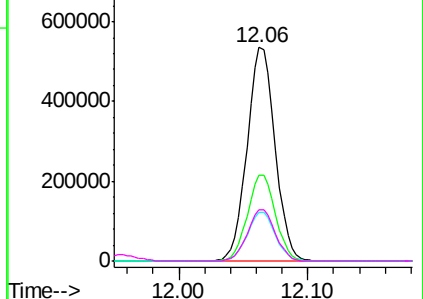


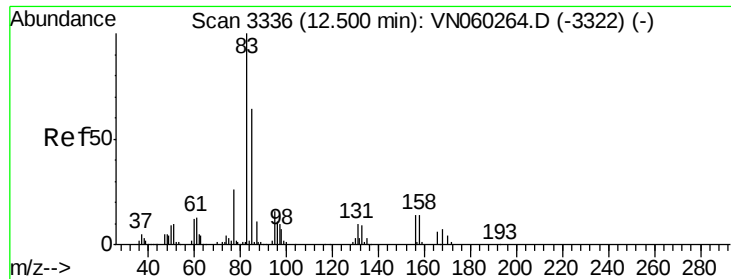
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 138.335 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

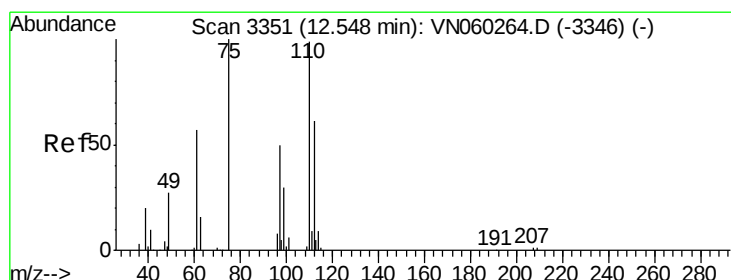
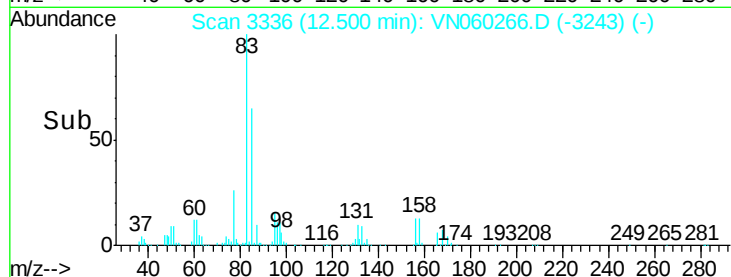
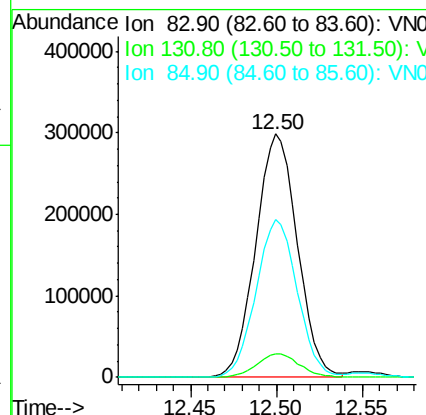
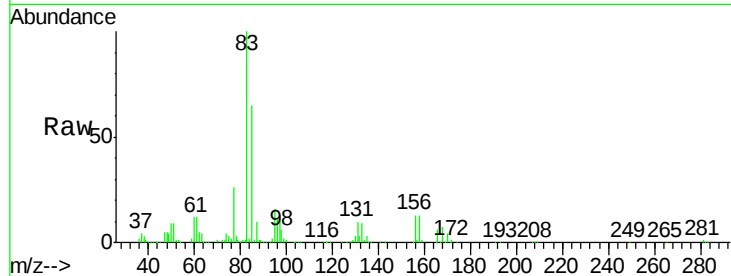
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	501219
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	64.4	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#76

1,2,3-Trichloropropane

Concen: 120.794 ug/l m

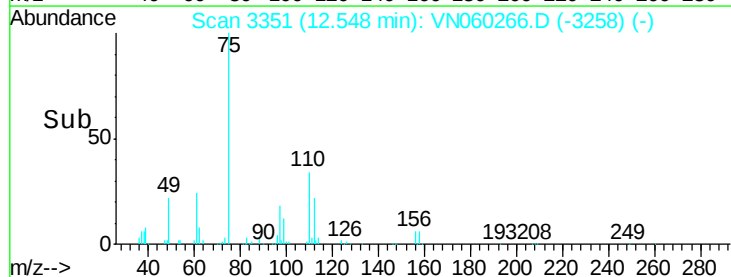
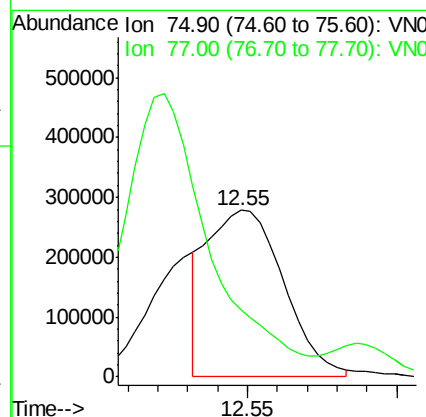
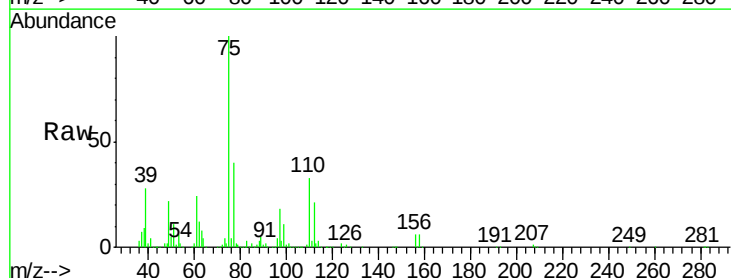
RT: 12.55 min Scan# 3351

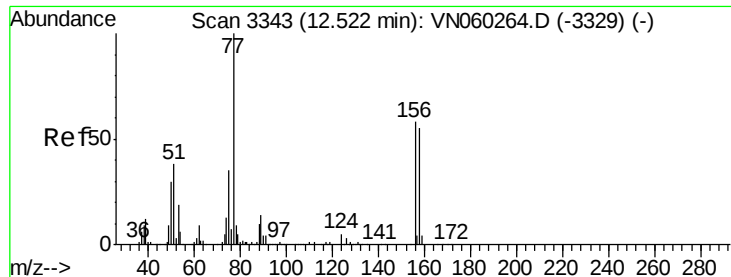
Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion:	75	Resp:	495569
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 136.799 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

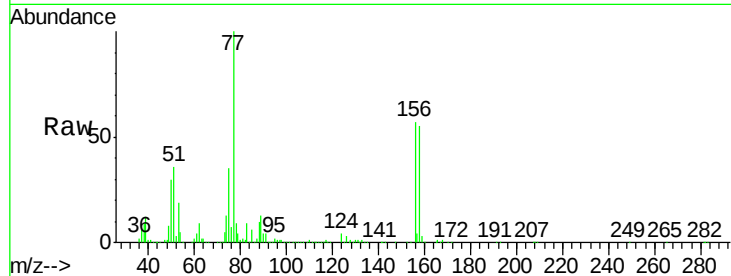
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	212.0	106.1	318.3	
158	97.1	48.3	144.8	

Manual Integrations
APPROVED

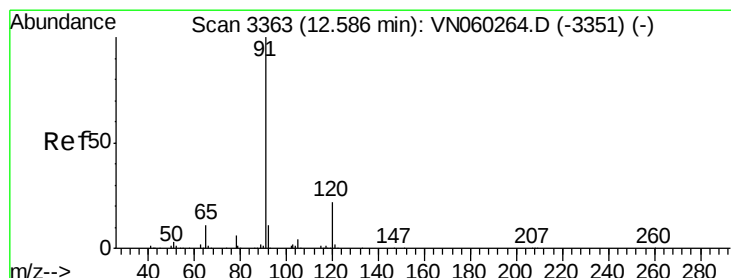
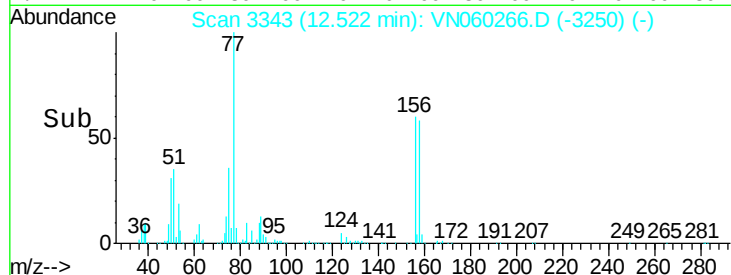
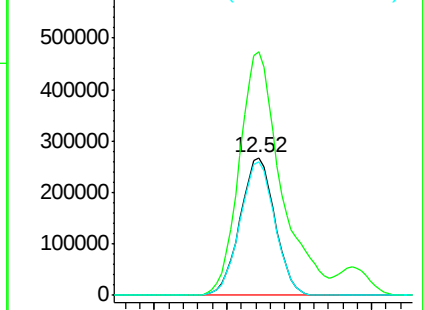
MMDadoda
2/28/2020 12:31:16 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 133.321 ug/l

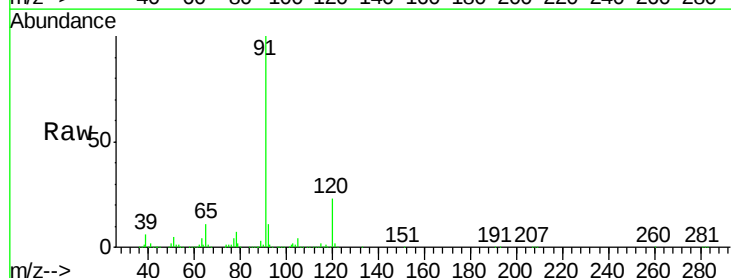
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060266.D

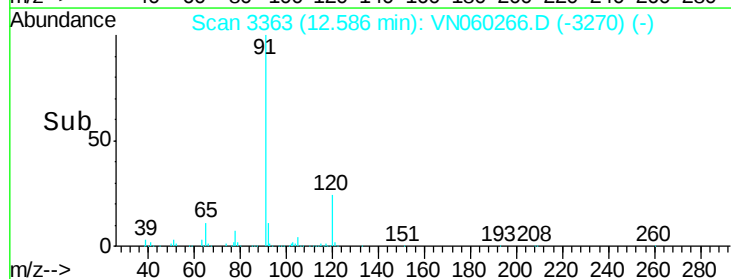
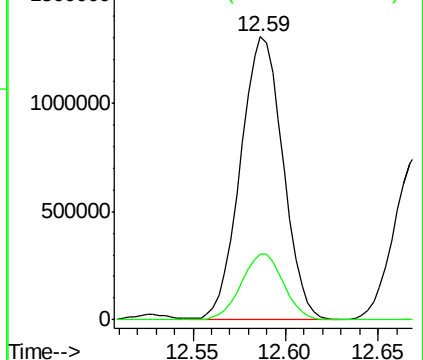
Acq: 27 Feb 2020 12:14

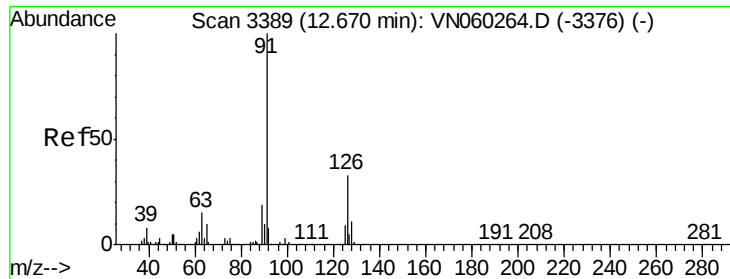
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.1	11.3	33.9	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 134.527 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1236247

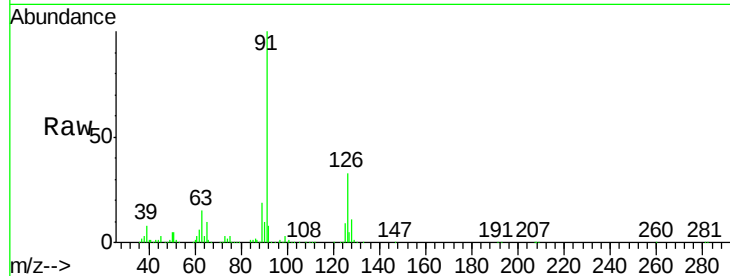
Ion Ratio Lower Upper

91 100

126 33.6 16.6 49.8

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



Abundance Ion 91.00 (90.70 to 91.70): VN060266.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060266.D (-3376) (-)

1500000

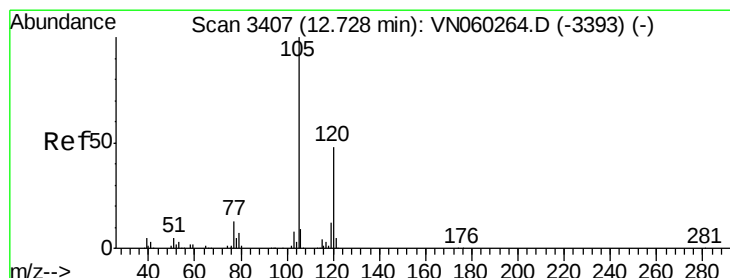
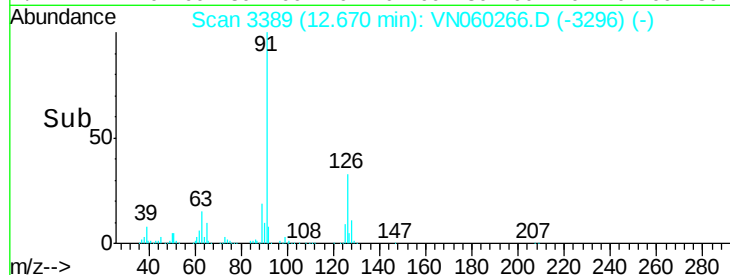
1000000

500000

0

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 136.672 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060266.D

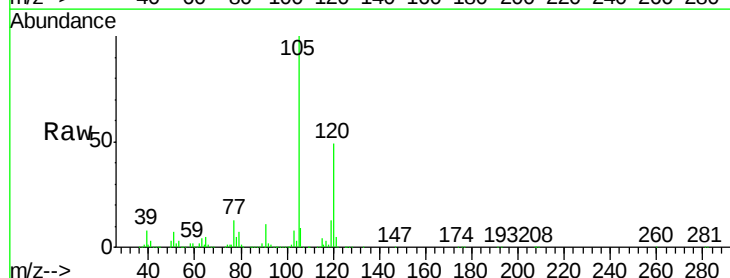
Acq: 27 Feb 2020 12:14

Tgt Ion: 105 Resp: 1536490

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060266.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060266.D (-3393) (-)

1000000

800000

600000

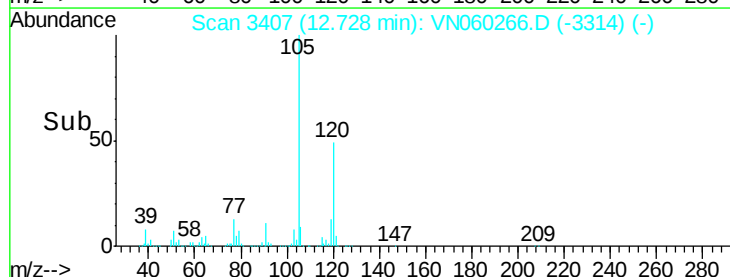
400000

200000

0

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 151.949 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

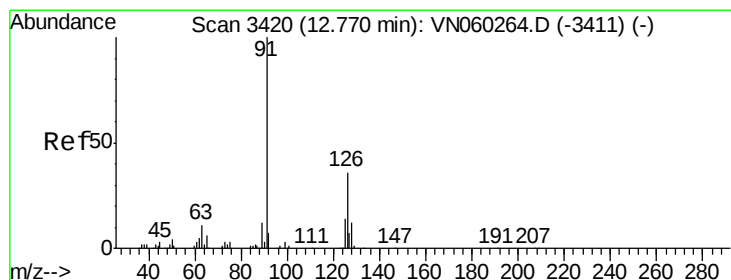
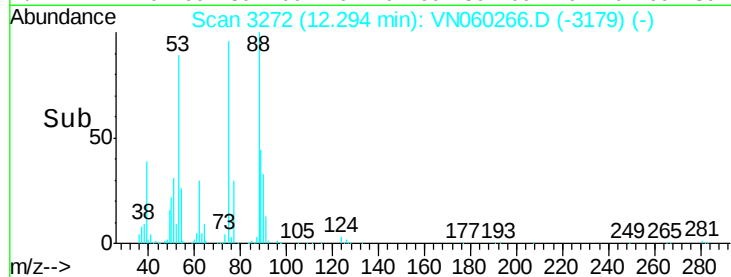
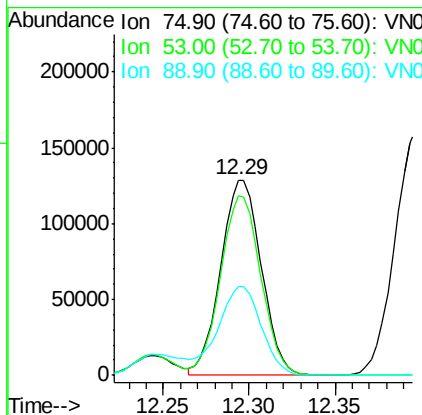
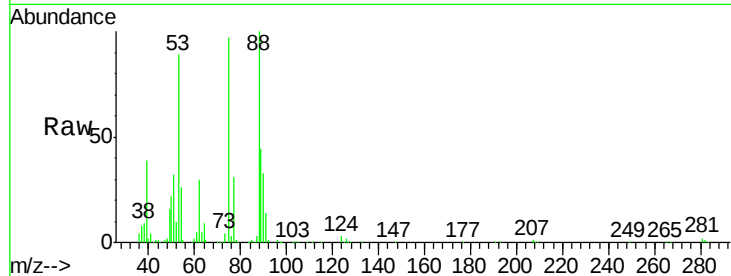
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	210159
Ion Ratio	Lower	Upper	
75	100		
53	92.4	73.8	110.6
89	49.5	57.1	85.7#

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#82

4-Chlorotoluene

Concen: 136.667 ug/l

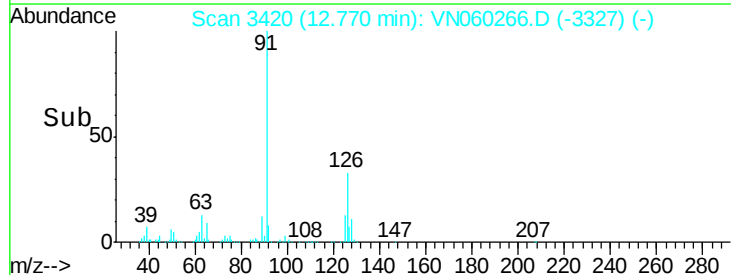
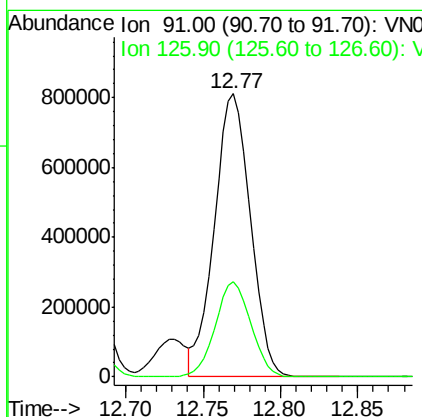
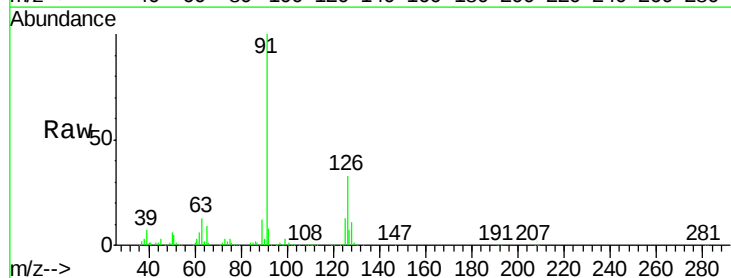
RT: 12.77 min Scan# 3420

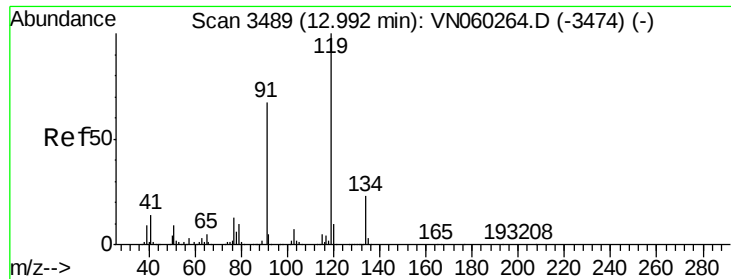
Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Tgt Ion:	91	Resp:	1312334
Ion Ratio	Lower	Upper	
91	100		
126	33.1	16.7	50.1





#83

tert-Butylbenzene

Concen: 136.551 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1323425

Ion Ratio Lower Upper

119 100

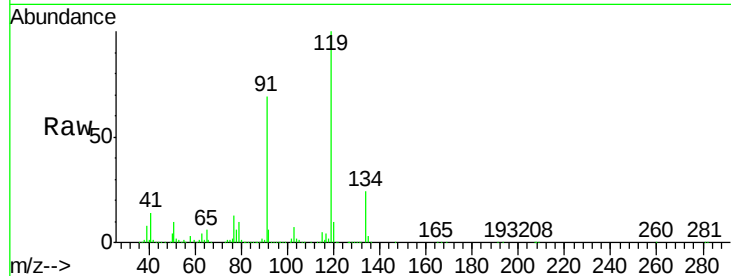
91 66.7 33.1 99.2

134 25.0 12.4 37.0

Manual Integrations
APPROVED

MMDadoda

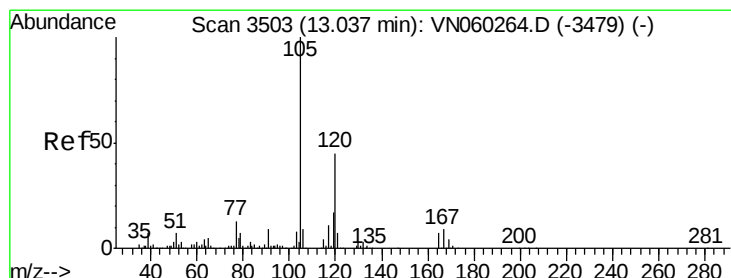
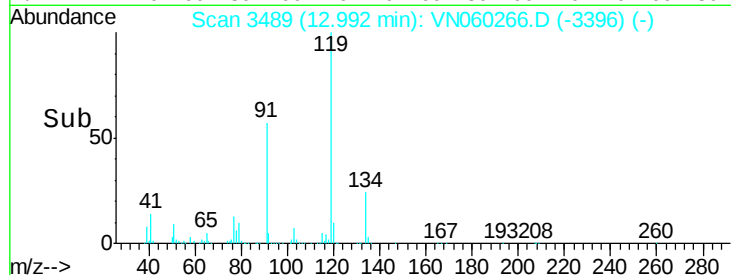
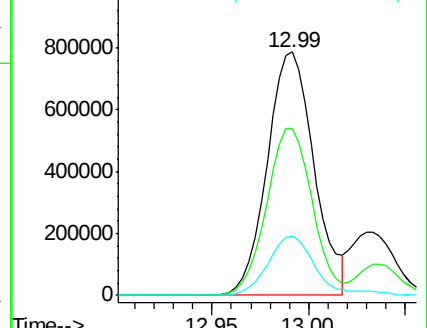
2/28/2020 12:31:16 PM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 136.560 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060266.D

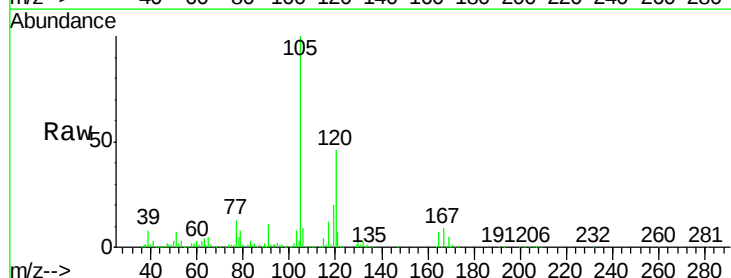
Acq: 27 Feb 2020 12:14

Tgt Ion:105 Resp: 1549259

Ion Ratio Lower Upper

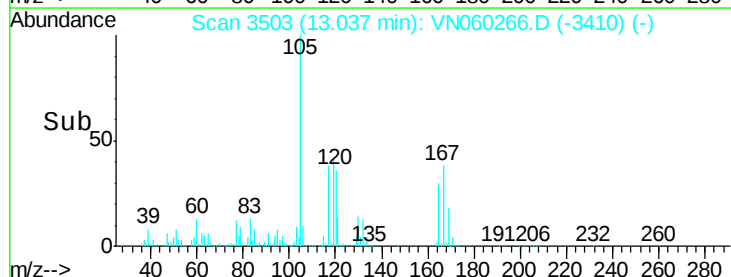
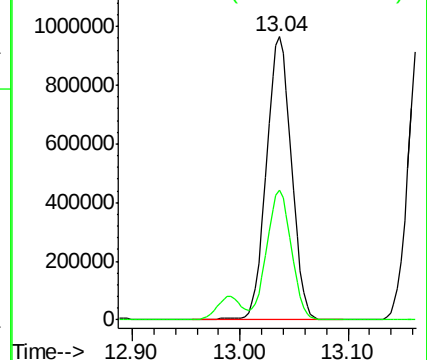
105 100

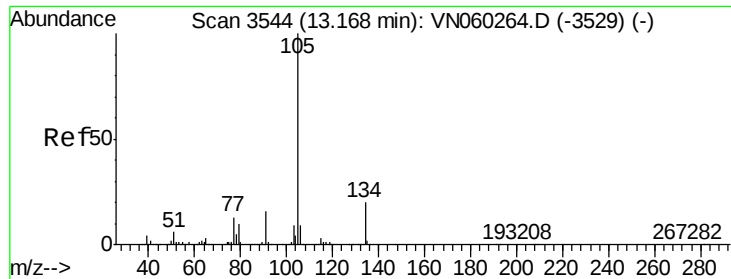
120 45.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 135.834 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1779703

Ion Ratio Lower Upper

105 100

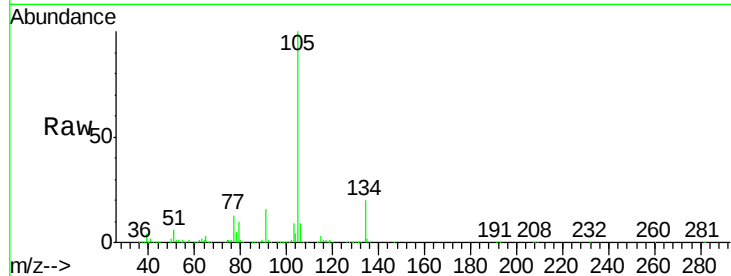
134 20.0 9.8 29.5

Manual Integrations

APPROVED

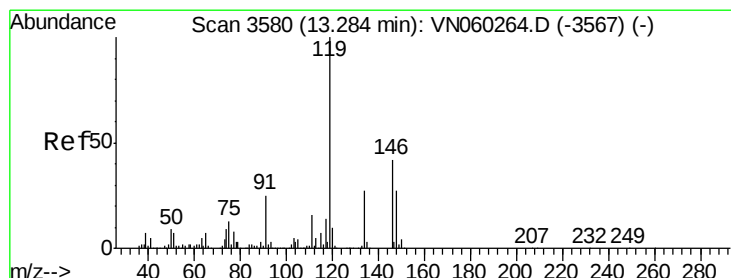
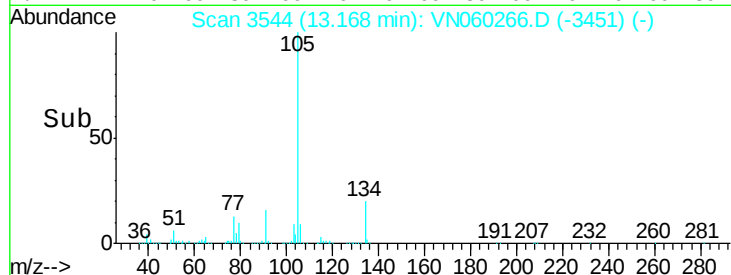
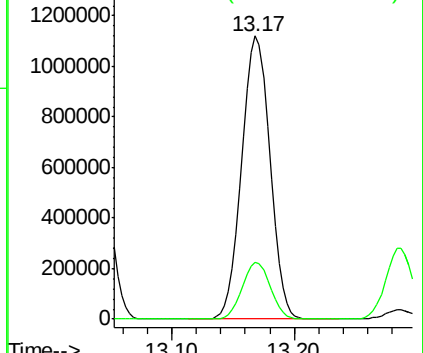
MMDadoda

2/28/2020 12:31:16 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 137.837 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060266.D

Acq: 27 Feb 2020 12:14

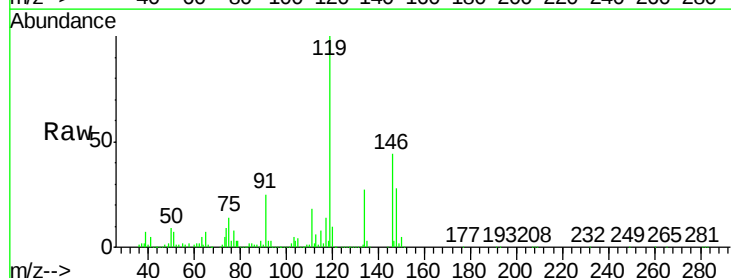
Tgt Ion:119 Resp: 1634650

Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.6

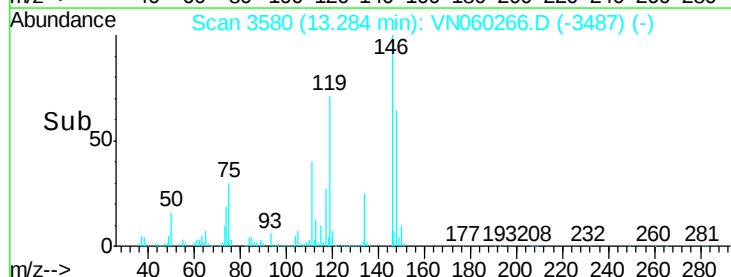
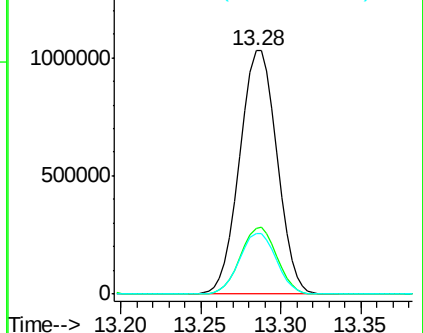
91 24.6 12.2 36.6

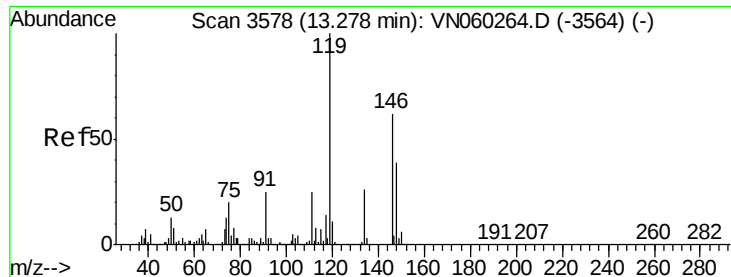


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





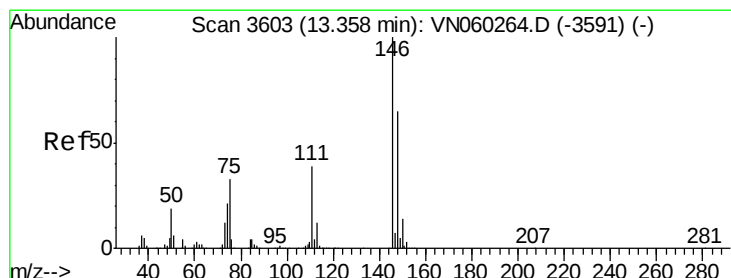
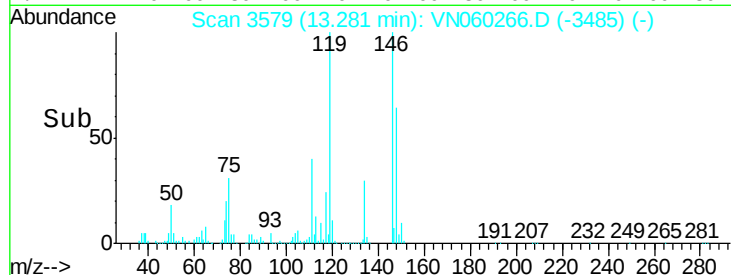
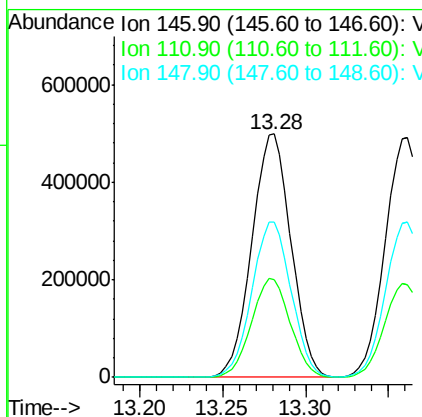
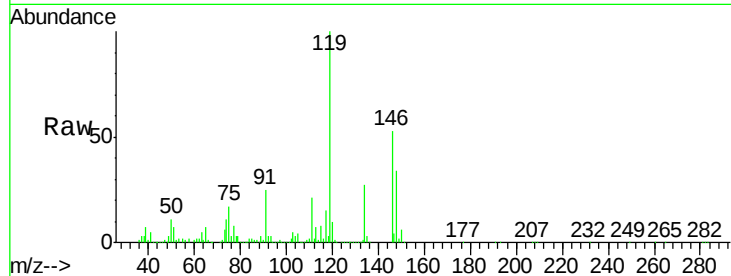
#87
 1,3-Dichlorobenzene
 Concen: 136.497 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.8	32.1	96.3

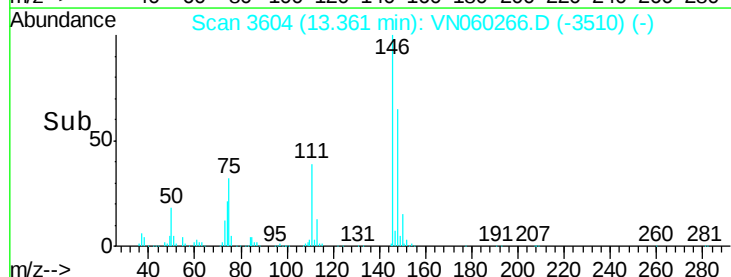
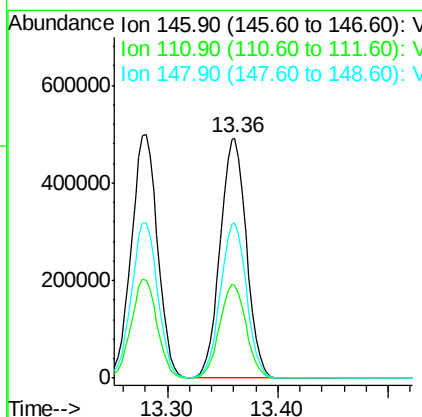
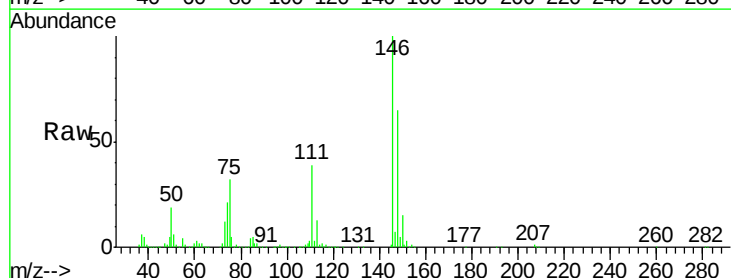
Manual Integrations
 APPROVED

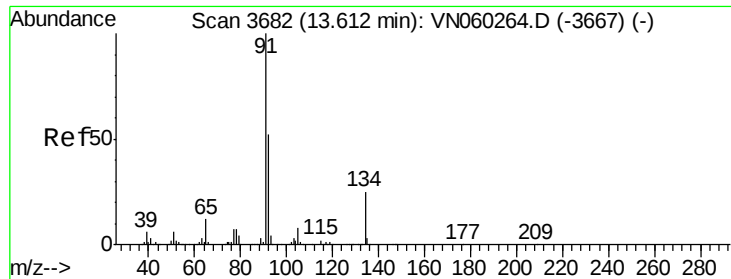
MMDadoda
 2/28/2020 12:31:16 PM



#88
 1,4-Dichlorobenzene
 Concen: 135.248 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.4
148	64.3	32.3	96.9





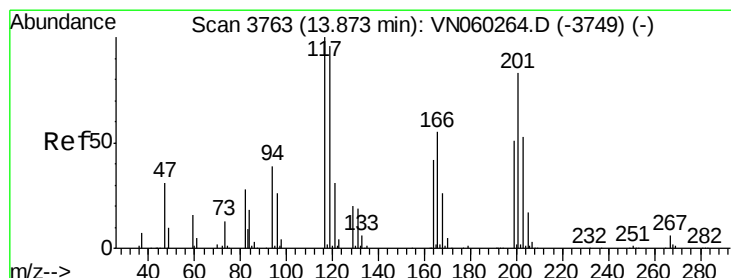
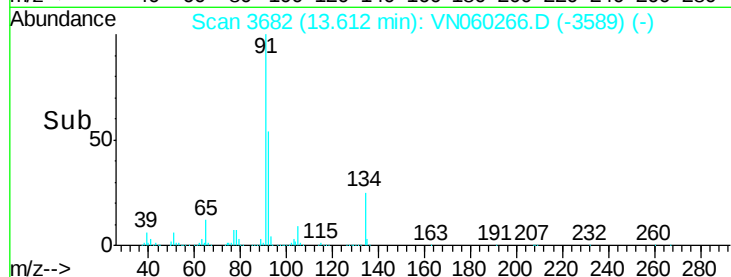
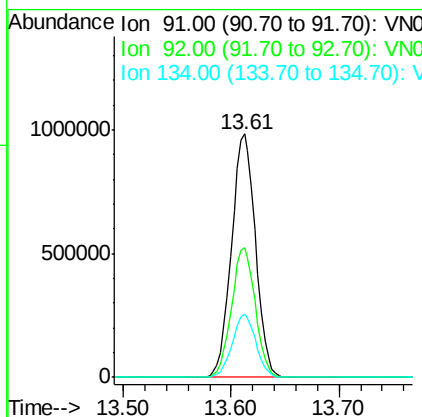
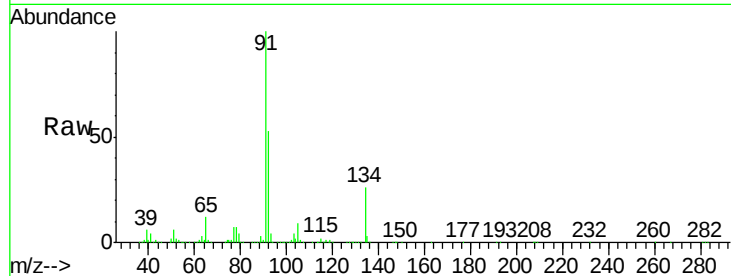
#89
n-Butylbenzene
Concen: 138.742 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1524863
Ion Ratio Lower Upper
91 100
92 52.8 26.0 78.0
134 25.5 12.7 38.1

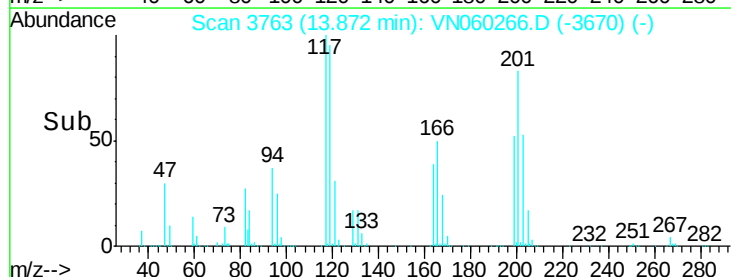
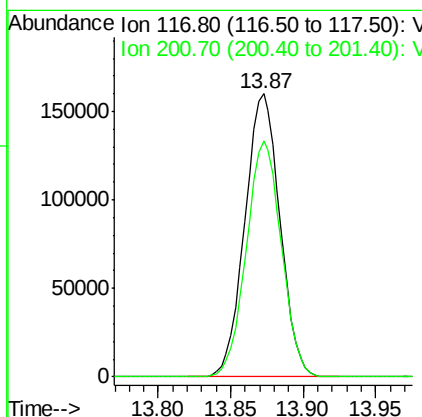
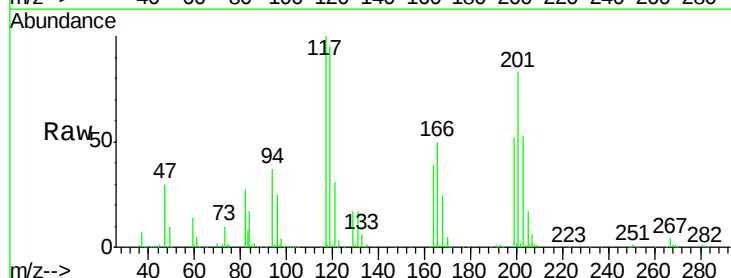
Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#90
Hexachloroethane
Concen: 153.750 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion: 117 Resp: 269766
Ion Ratio Lower Upper
117 100
201 83.1 41.0 123.0





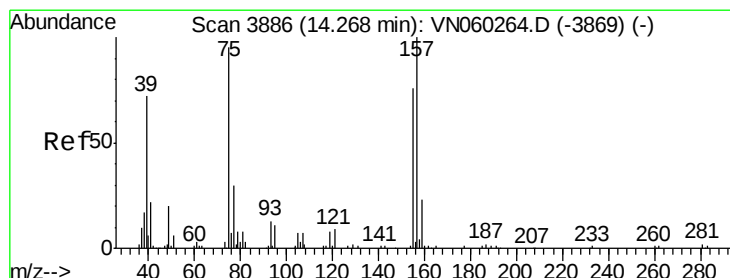
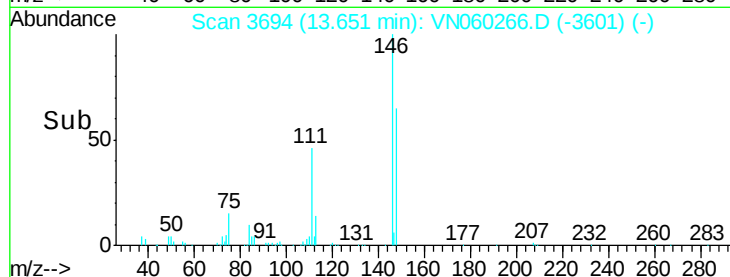
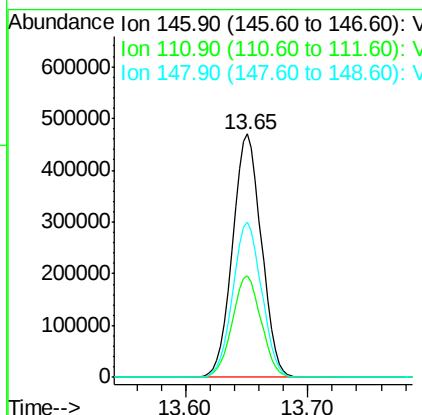
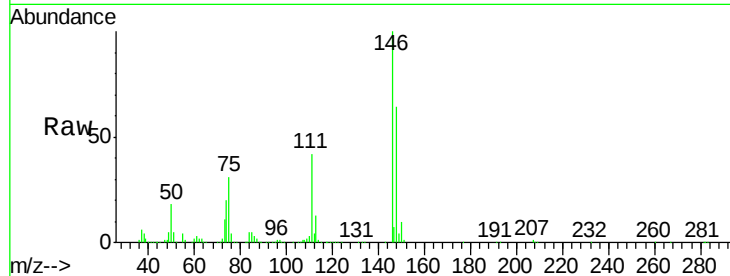
#91
 1,2-Dichlorobenzene
 Concen: 134.713 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	64.2	31.8	95.3

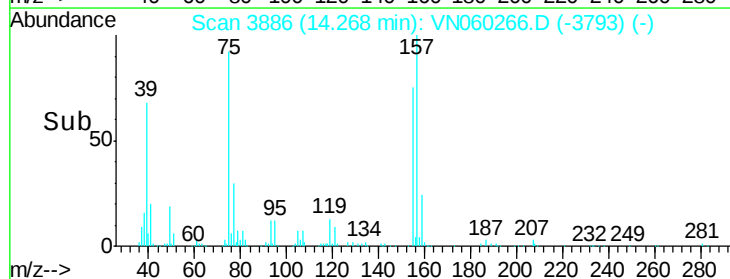
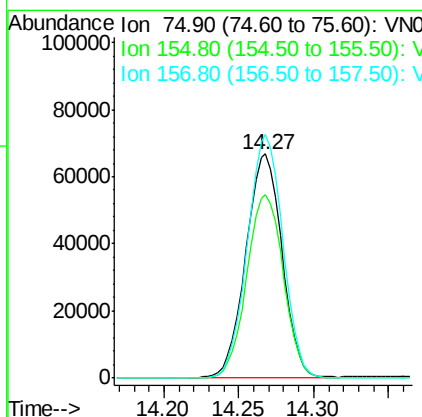
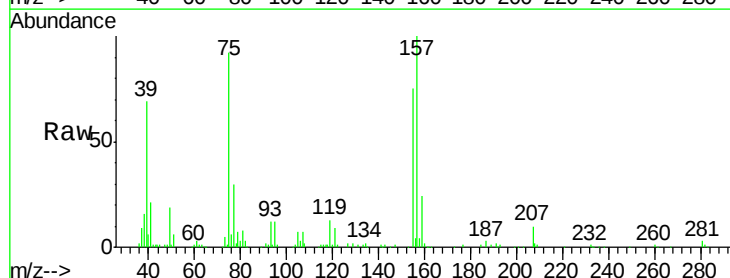
Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.743 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	40.4	121.2
157	107.0	52.5	157.5





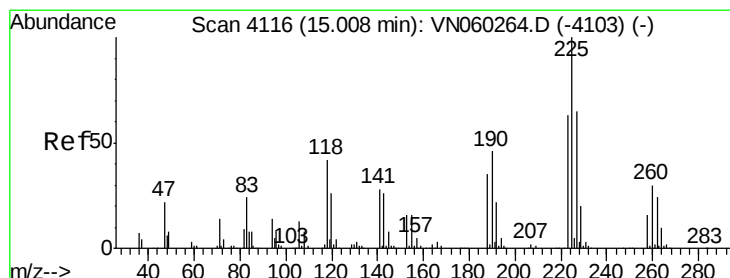
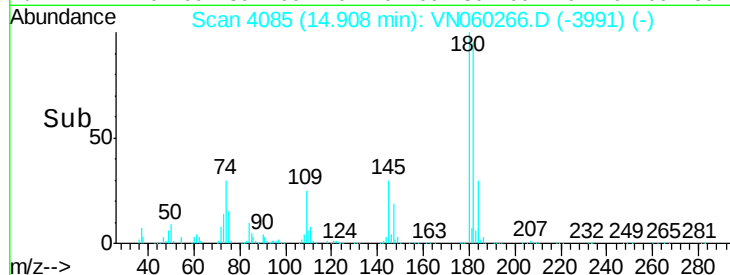
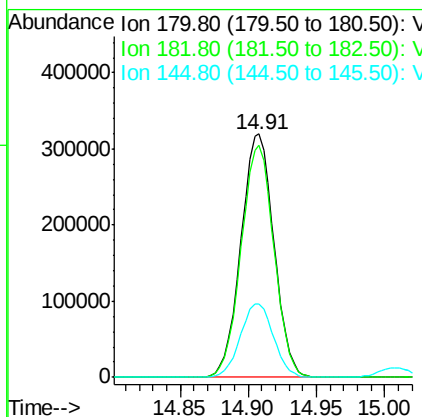
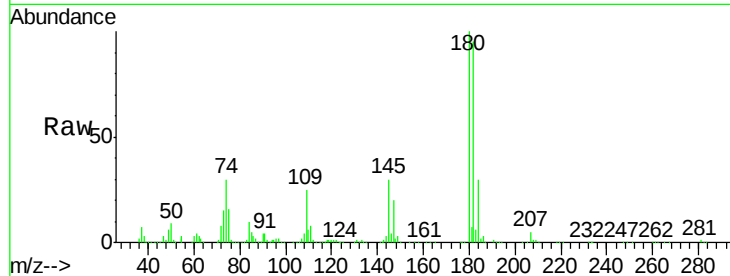
#93
 1,2,4-Trichlorobenzene
 Concen: 130.509 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	534312		
182	95.0	47.8	143.3	
145	30.7	15.4	46.1	

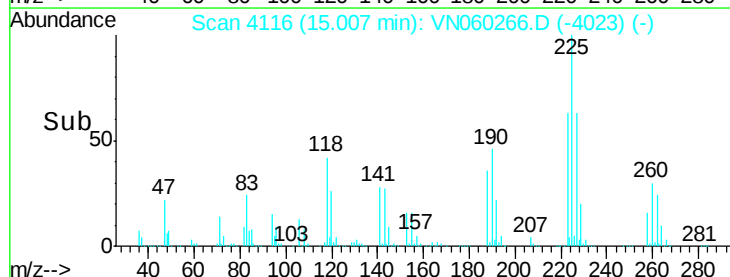
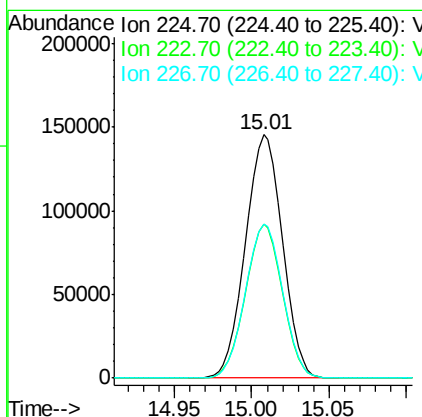
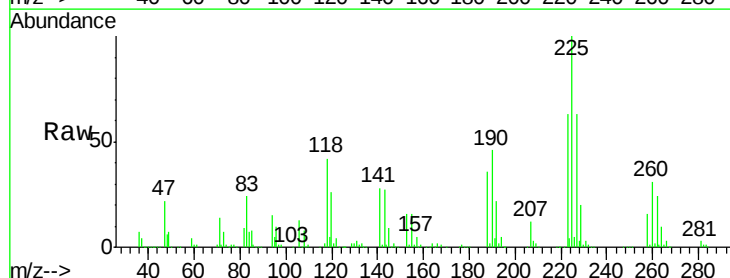
Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:16 PM



#94
 Hexachlorobutadiene
 Concen: 117.283 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060266.D
 Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	242891		
223	63.0	31.3	93.9	
227	63.7	32.3	96.9	





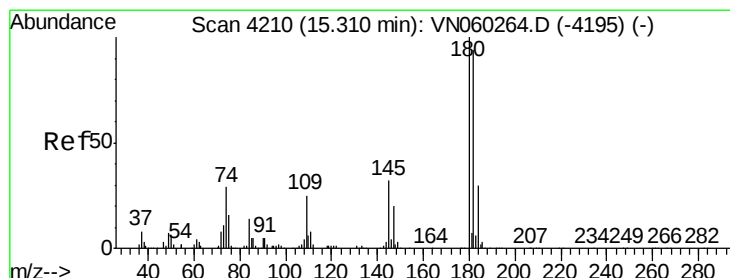
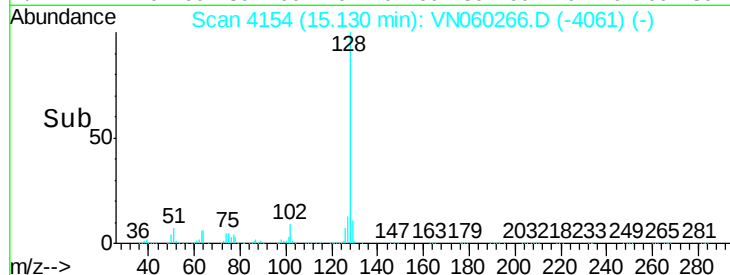
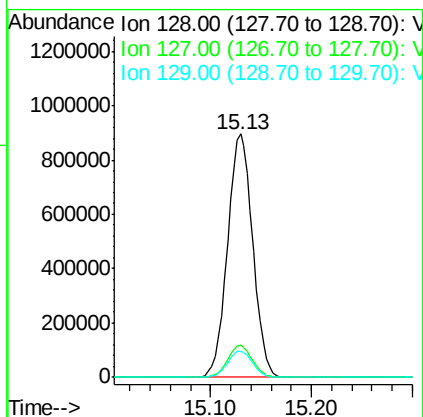
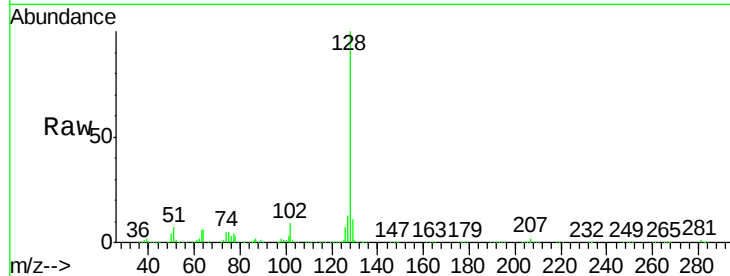
#95
Naphthalene
Concen: 128.149 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 124.578 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060266.D
Acq: 27 Feb 2020 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	32.2	16.2	48.5

