

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055276.D
 Acq On : 26 Apr 2019 15:16
 Operator : JC/SP
 Sample : VN0427WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:57:06 AM

Quant Time: Apr 27 03:21:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	385643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	635318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	281378	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.59	113	217099	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	789101	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	242864	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	105693	21.286	ug/l	100
3) Chloromethane	2.06	50	123865	20.358	ug/l	98
4) Vinyl Chloride	2.19	62	99601	20.430	ug/l	96
5) Bromomethane	2.56	94	52682	18.633	ug/l	97
6) Chloroethane	2.70	64	52262	20.339	ug/l	95
7) Trichlorofluoromethane	3.02	101	134738	20.309	ug/l	99
8) Diethyl Ether	3.41	74	52995	22.379	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	83186	20.093	ug/l	98
10) Methyl Iodide	3.95	142	119867	20.647	ug/l	99
11) Tert butyl alcohol	4.79	59	36962	121.291	ug/l #	82
12) 1,1-Dichloroethene	3.74	96	81477	20.536	ug/l	98
13) Acrolein	3.61	56	46464	107.353	ug/l	99
14) Allyl chloride	4.33	41	167336	21.334	ug/l	99
15) Acrylonitrile	4.99	53	197361	118.091	ug/l	99
16) Acetone	3.82	43	152501	88.378	ug/l	99
17) Carbon Disulfide	4.06	76	214760	19.362	ug/l	100
18) Methyl Acetate	4.33	43	91139	23.993	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	246707	22.490	ug/l	99
20) Methylene Chloride	4.55	84	99728	20.104	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	86772	20.856	ug/l	98
22) Diisopropyl ether	5.96	45	341590	21.848	ug/l	97
23) Vinyl Acetate	5.90	43	1204806	114.674	ug/l	99
24) 1,1-Dichloroethane	5.85	63	178588	21.236	ug/l	99
25) 2-Butanone	6.84	43	234227	105.140	ug/l	97
26) 2,2-Dichloropropane	6.83	77	109343	19.214	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	99270	20.698	ug/l	97
28) Bromochloromethane	7.20	49	87955	20.518	ug/l	97
29) Tetrahydrofuran	7.21	42	167911	122.587	ug/l	96
30) Chloroform	7.37	83	169219	21.154	ug/l	99
31) Cyclohexane	7.65	56	164310	20.091	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	137164	21.343	ug/l	99
36) 1,1-Dichloropropene	7.80	75	119211	20.216	ug/l	97
37) Ethyl Acetate	6.93	43	105223	22.111	ug/l	98
38) Carbon Tetrachloride	7.78	117	114908	20.809	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055276.D
 Acq On : 26 Apr 2019 15:16
 Operator : JC/SP
 Sample : VN0427WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0427WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:57:06 AM

Quant Time: Apr 27 03:21:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124764	17.735	ug/l	98
40) Benzene	8.04	78	374125	20.553	ug/l	99
41) Methacrylonitrile	7.19	41	64010m	25.656	ug/l	
42) 1,2-Dichloroethane	8.13	62	133407	21.008	ug/l	99
43) Isopropyl Acetate	8.17	43	176461	22.899	ug/l	99
44) Trichloroethene	8.84	130	92265	20.054	ug/l	96
45) 1,2-Dichloropropane	9.12	63	106563	20.739	ug/l	97
46) Dibromomethane	9.21	93	60452	20.552	ug/l	99
47) Bromodichloromethane	9.40	83	124908	21.213	ug/l	97
48) Methyl methacrylate	9.20	41	84497	22.604	ug/l	97
49) 1,4-Dioxane	9.20	88	19276	446.531	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	503727	113.596	ug/l	100
52) Toluene	10.16	92	219480	20.568	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	111652	20.662	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	138636	20.674	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84207	21.404	ug/l	97
56) Ethyl methacrylate	10.43	69	107734	21.982	ug/l	99
57) 1,3-Dichloropropane	10.71	76	146892	21.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	136307	80.204	ug/l	97
59) 2-Hexanone	10.75	43	310282	110.777	ug/l	99
60) Dibromochloromethane	10.90	129	86572	21.364	ug/l	97
61) 1,2-Dibromoethane	11.01	107	78461	21.212	ug/l	99
64) Tetrachloroethene	10.63	164	89499	20.637	ug/l	97
65) Chlorobenzene	11.43	112	219974	20.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	82710	20.566	ug/l	100
67) Ethyl Benzene	11.51	91	397319	20.556	ug/l	98
68) m/p-Xylenes	11.62	106	280258	40.427	ug/l	99
69) o-Xylene	11.95	106	140744	20.458	ug/l	99
70) Styrene	11.96	104	225216	21.119	ug/l	99
71) Bromoform	12.13	173	51064	21.278	ug/l #	99
73) Isopropylbenzene	12.25	105	367375	22.445	ug/l	99
74) N-amyl acetate	12.07	43	111659	22.438	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	104212	25.346	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83732m	21.384	ug/l	
77) Bromobenzene	12.53	156	88008	20.654	ug/l	97
78) n-propylbenzene	12.59	91	390364	20.167	ug/l	99
79) 2-Chlorotoluene	12.67	91	249540	20.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	297212	20.570	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22154	21.447	ug/l	98
82) 4-Chlorotoluene	12.77	91	225883	20.086	ug/l	99
83) tert-Butylbenzene	12.99	119	254426	22.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	273407	20.052	ug/l	99
85) sec-Butylbenzene	13.17	105	316777	19.379	ug/l	98
86) p-Isopropyltoluene	13.29	119	259539	19.272	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	133219	20.366	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	124302	19.519	ug/l	98
89) n-Butylbenzene	13.62	91	176231	17.655	ug/l	99
90) Hexachloroethane	13.87	117	44581	18.665	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	133210	19.827	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12348	21.068	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
Data File : VN055276.D
Acq On : 26 Apr 2019 15:16
Operator : JC/SP
Sample : VN0427WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

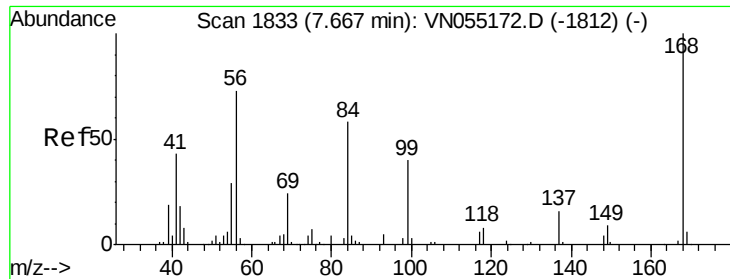
Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM

Quant Time: Apr 27 03:21:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37962	15.380	ug/l	96
94) Hexachlorobutadiene	15.01	225	40786	19.437	ug/l	98
95) Naphthalene	15.13	128	90540	16.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	42902	16.696	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion:168 Resp: 385643

Ion Ratio Lower Upper

168 100

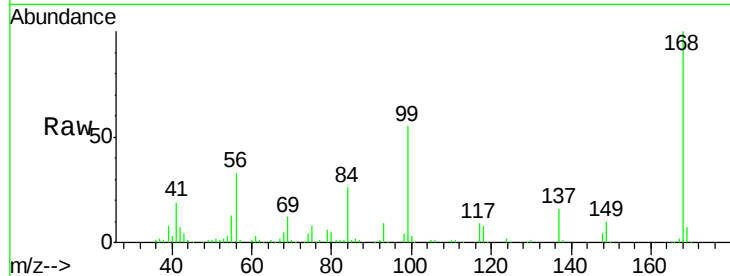
99 54.2 42.0 63.0

Manual Integrations

APPROVED

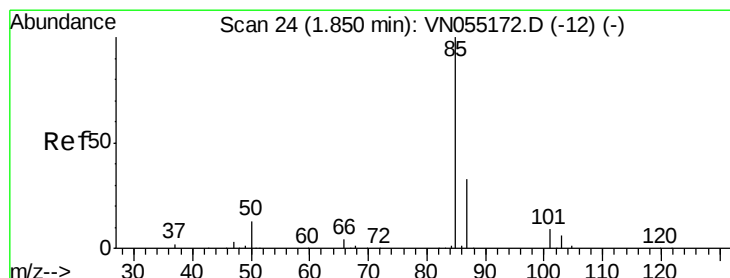
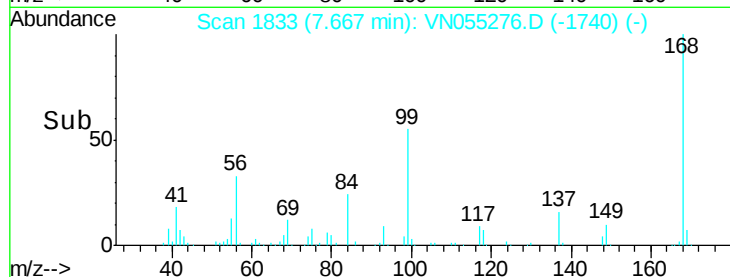
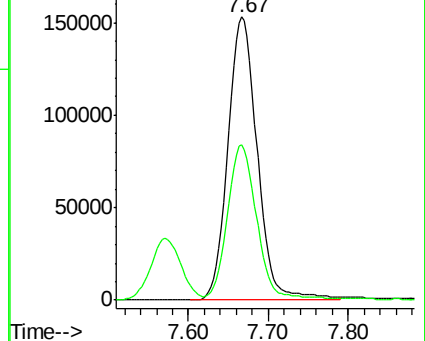
MMDadoda

4/29/2019 10:57:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.286 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055276.D

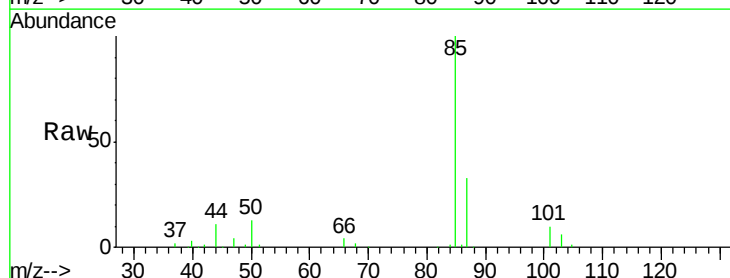
Acq: 26 Apr 2019 15:16

Tgt Ion: 85 Resp: 105693

Ion Ratio Lower Upper

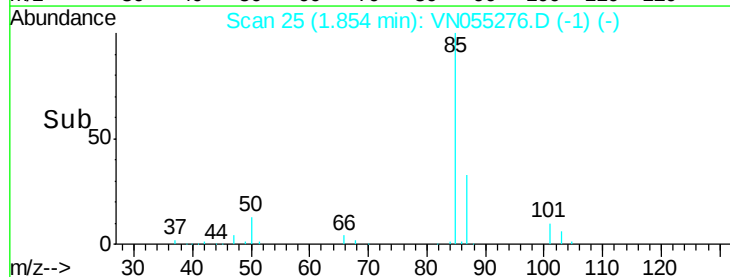
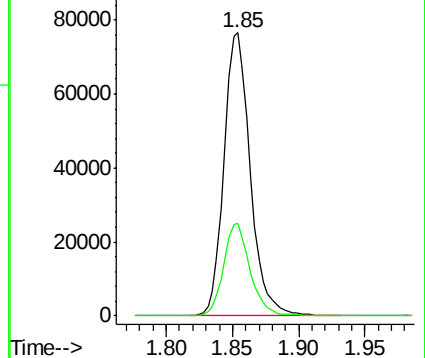
85 100

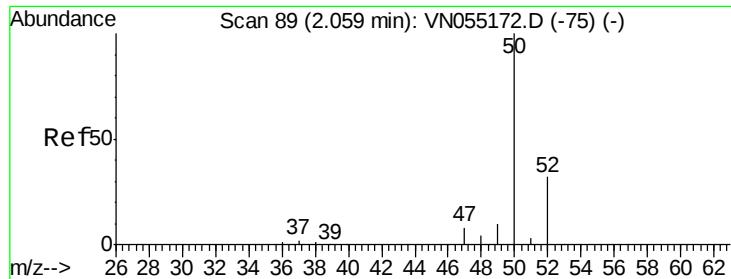
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.358 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 50 Resp: 123865

Ion Ratio Lower Upper

50 100

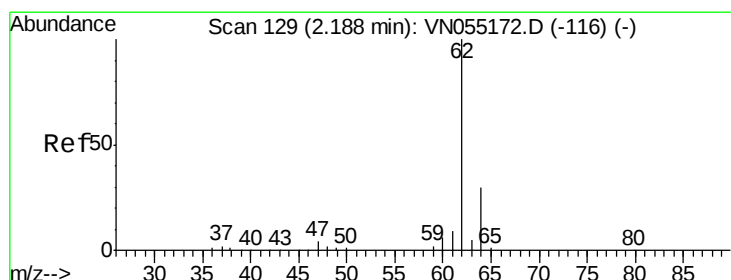
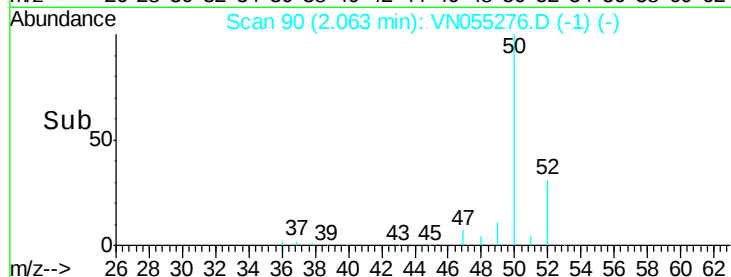
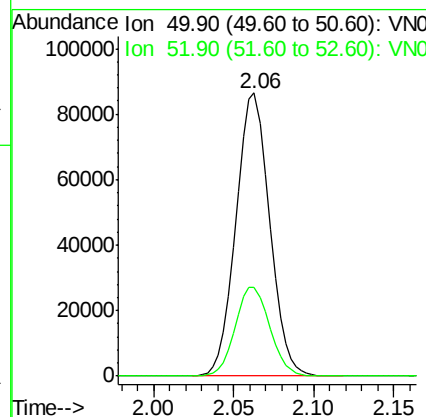
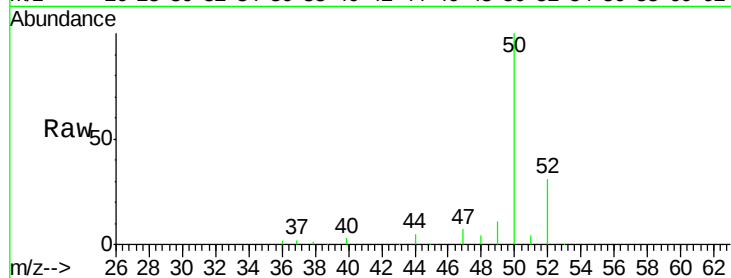
52 31.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:57:06 AM



#4

Vinyl Chloride

Concen: 20.430 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055276.D

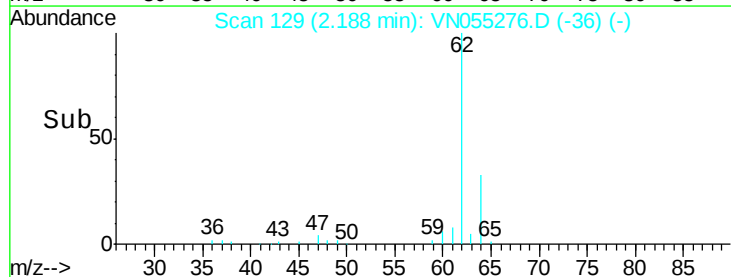
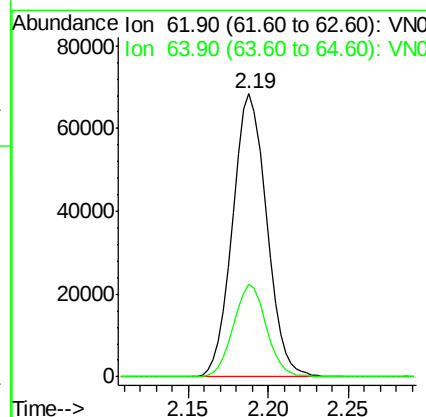
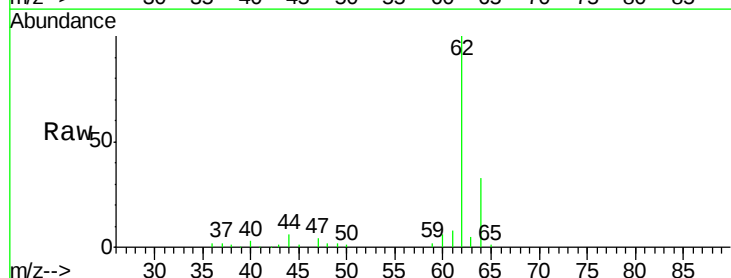
Acq: 26 Apr 2019 15:16

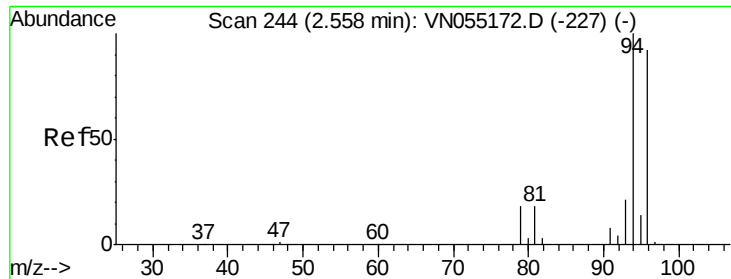
Tgt Ion: 62 Resp: 99601

Ion Ratio Lower Upper

62 100

64 32.6 24.2 36.4





#5

Bromomethane

Concen: 18.633 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 94 Resp: 52682

Ion Ratio Lower Upper

94 100

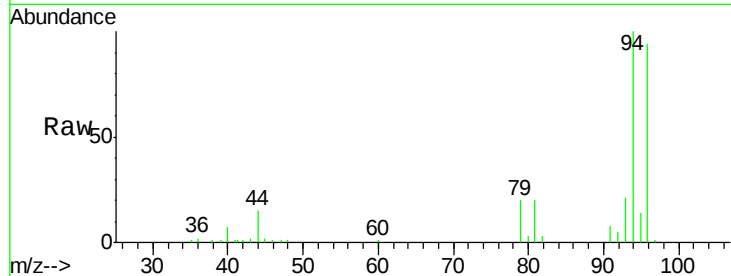
96 94.4 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:57:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

25000

20000

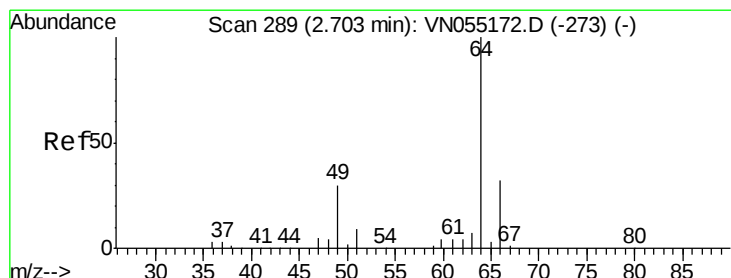
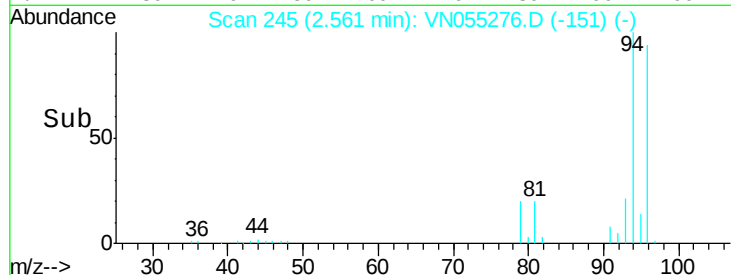
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.339 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055276.D

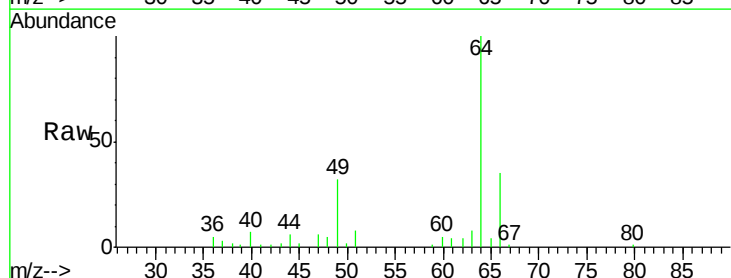
Acq: 26 Apr 2019 15:16

Tgt Ion: 64 Resp: 52262

Ion Ratio Lower Upper

64 100

66 35.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

25000

20000

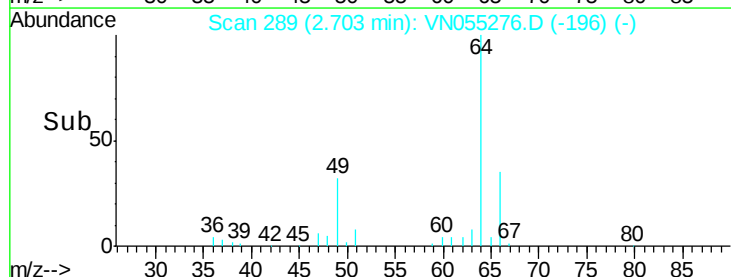
15000

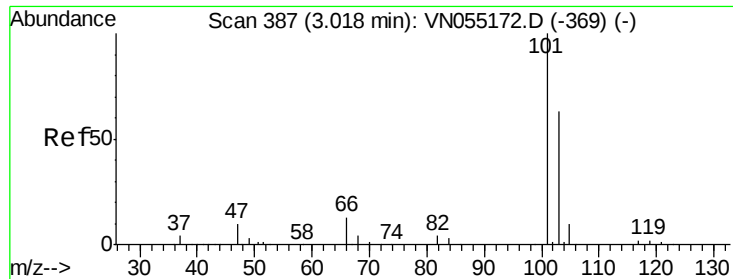
10000

5000

0

Time-->





#7

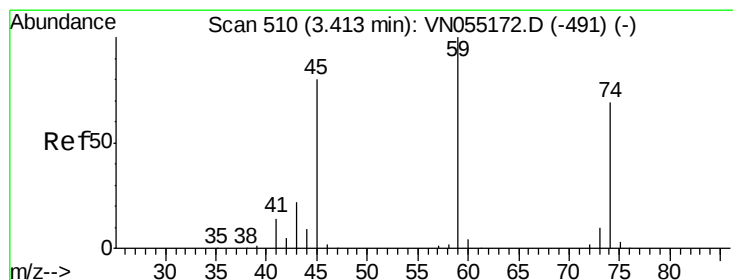
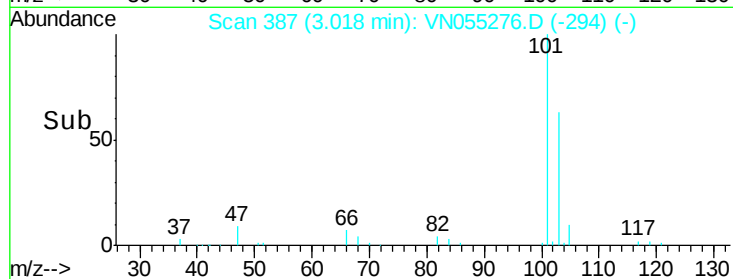
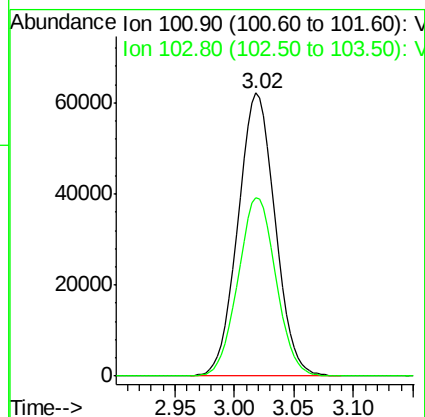
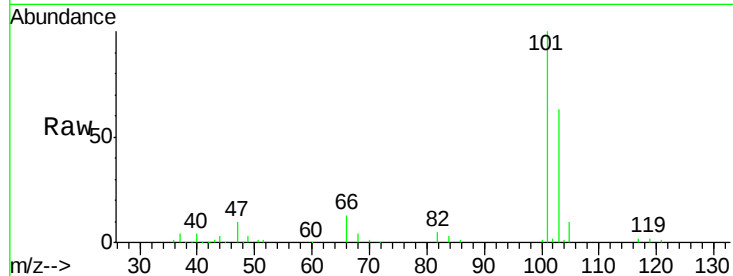
Trichlorofluoromethane
 Concen: 20.309 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion:101 Resp: 134738
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.1 75.1

Manual Integrations
 APPROVED

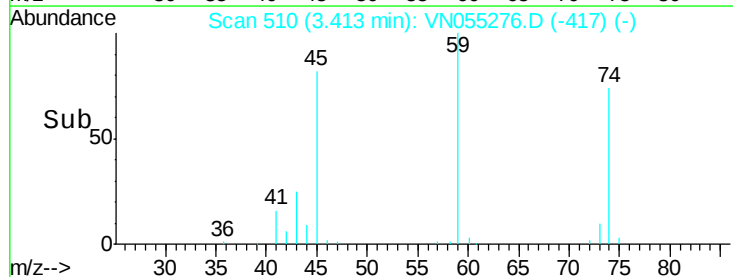
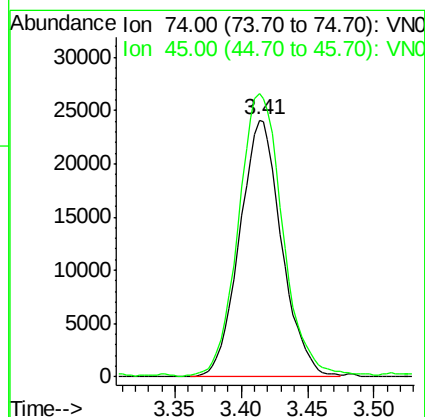
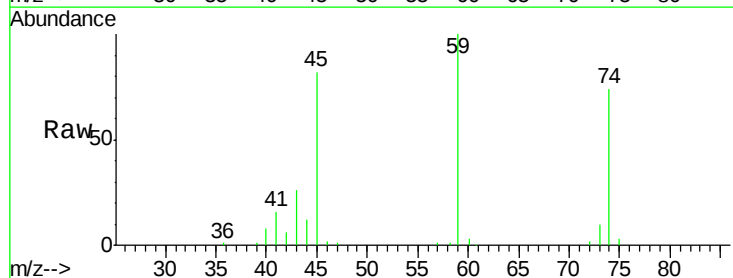
MMDadoda
 4/29/2019 10:57:06 AM

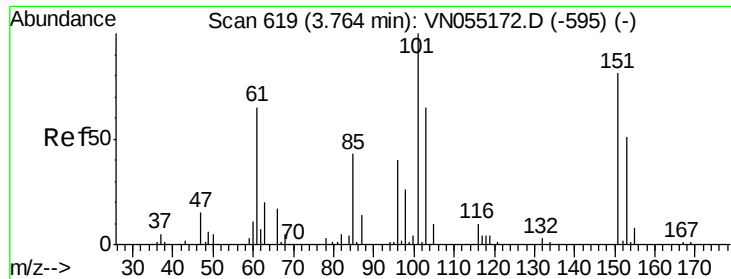


#8

Diethyl Ether
 Concen: 22.379 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion: 74 Resp: 52995
 Ion Ratio Lower Upper
 74 100
 45 117.5 56.9 170.6





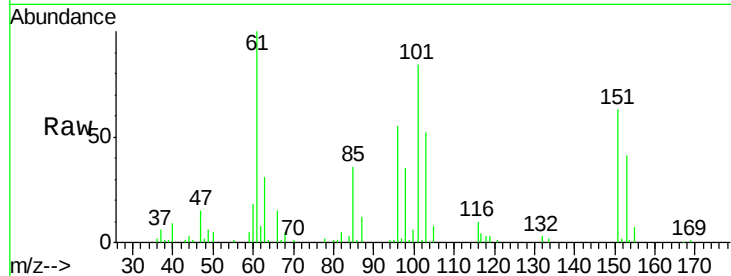
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.093 ug/l
RT: 3.76 min Scan# 617
Delta R.T. -0.01 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

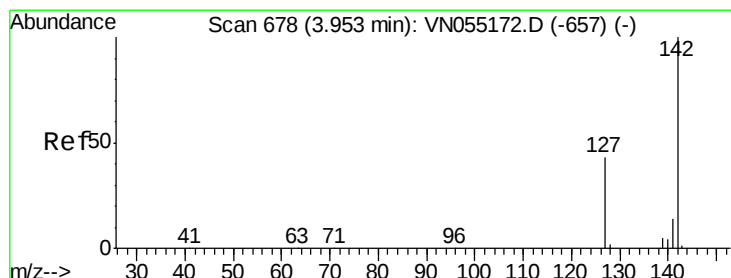
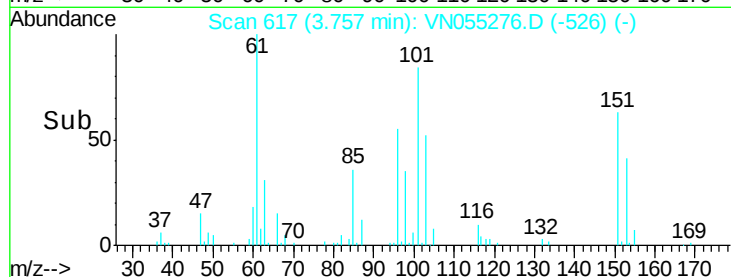
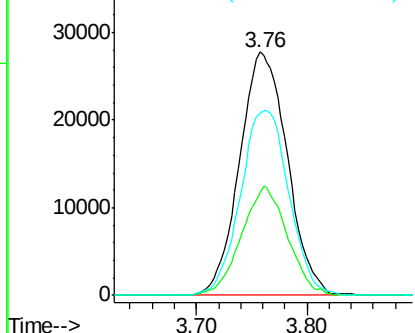
Tot Ion	Ratio	Resp	Lower	Upper
101	100	83186		
85	43.2		34.9	52.3
151	77.4		63.8	95.8

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM

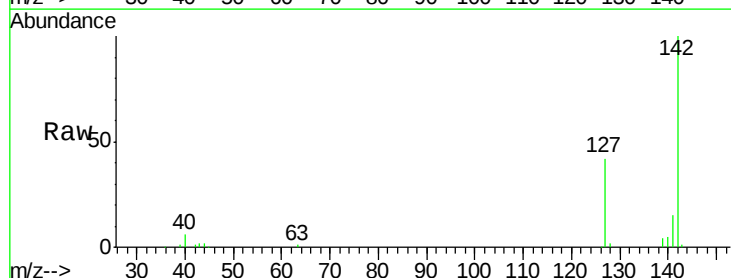


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

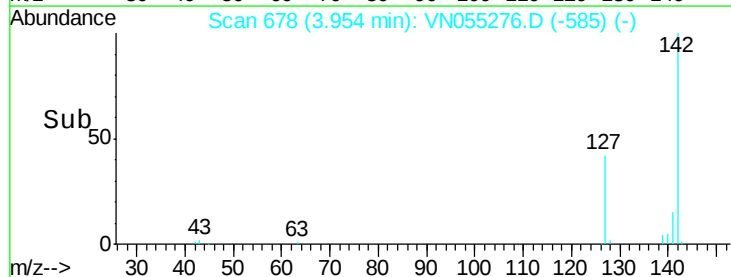
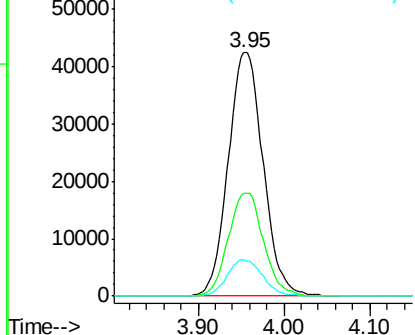


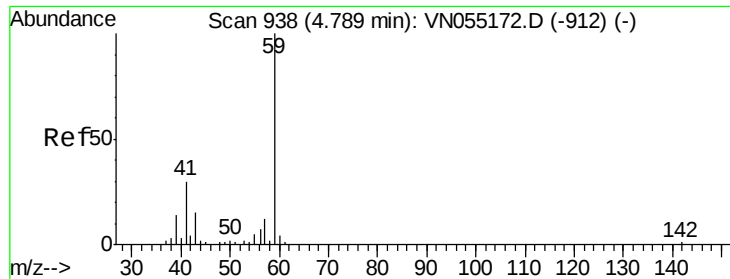
#10
Methyl Iodide
Concen: 20.647 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	119867		
127	42.7		34.1	51.1
141	15.1		11.4	17.2



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





#11

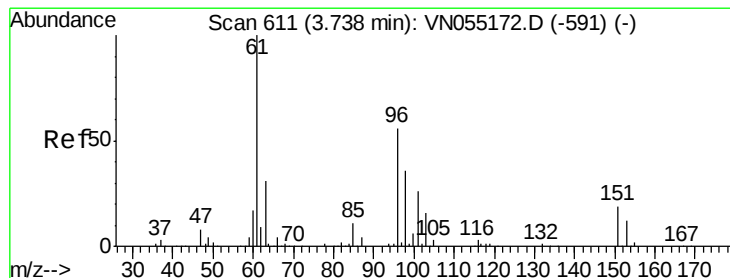
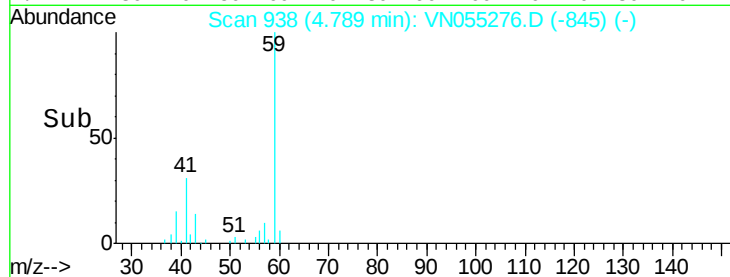
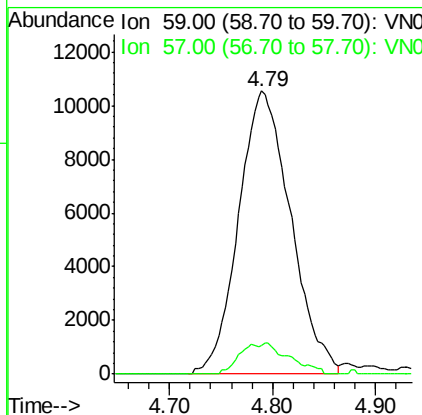
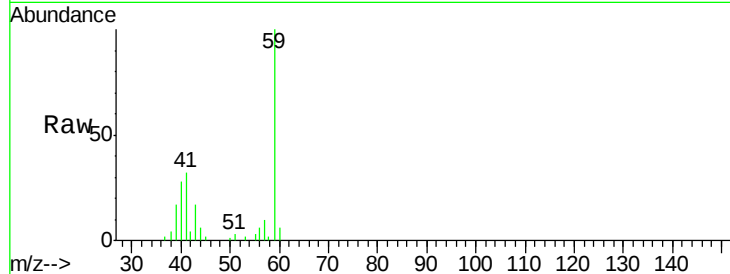
Tert butyl alcohol
 Concen: 121.291 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.2	8.8	13.2#

Manual Integrations
 APPROVED

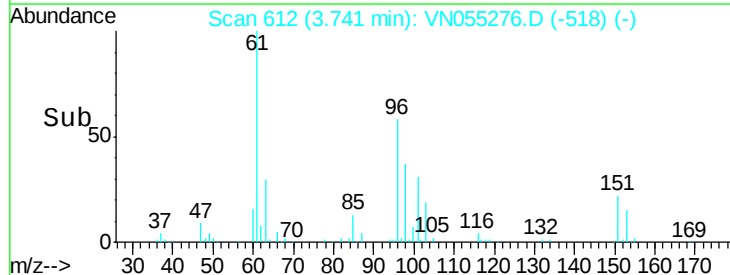
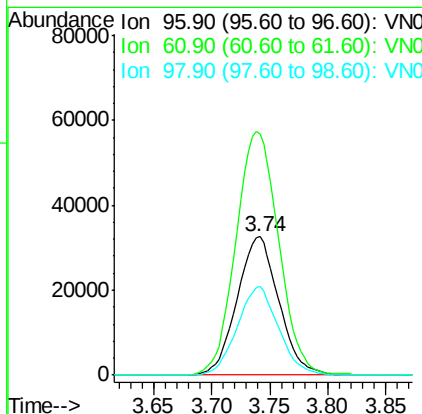
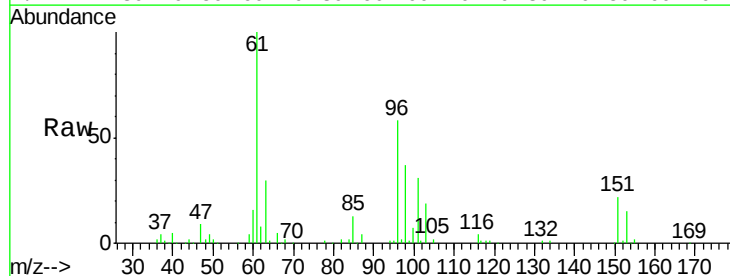
MMDadoda
 4/29/2019 10:57:06 AM

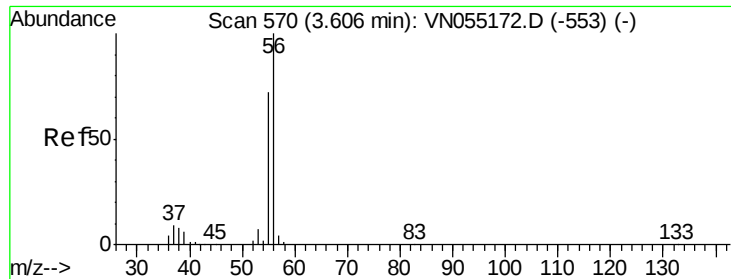


#12

1,1-Dichloroethene
 Concen: 20.536 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	142.1	213.1
98	63.7	51.2	76.8





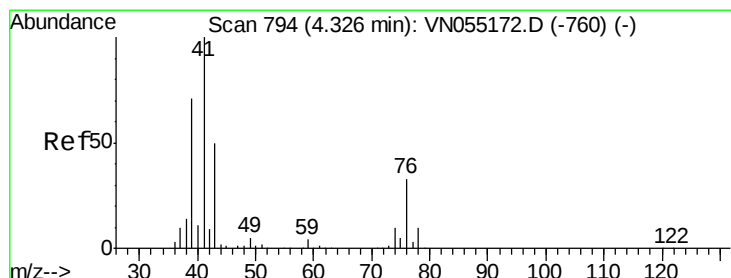
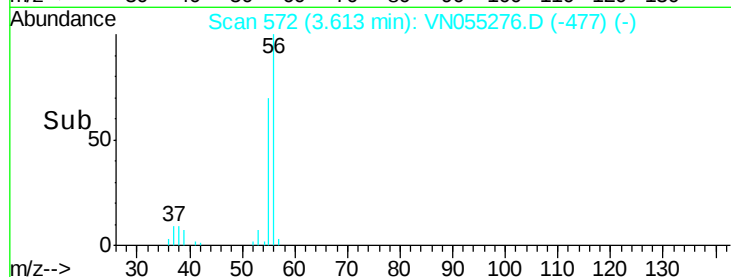
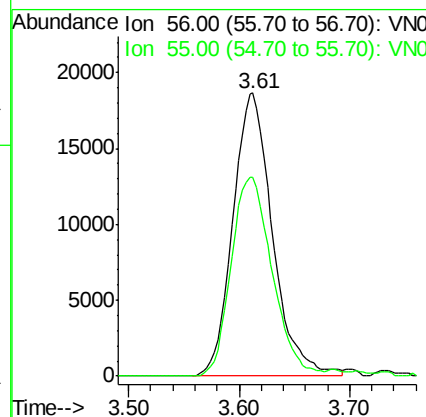
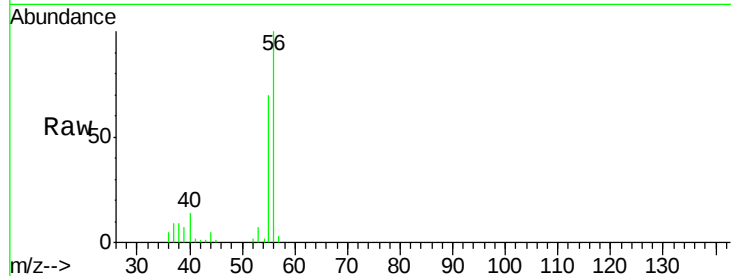
#13
Acrolein
Concen: 107.353 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion	56	Resp	46464
Ion Ratio	100	Lower	Upper
56	100		
55	72.5	57.4	86.0

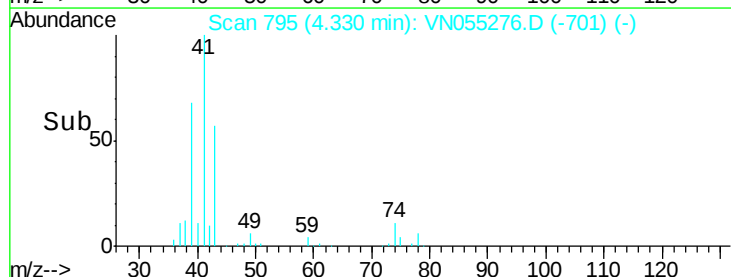
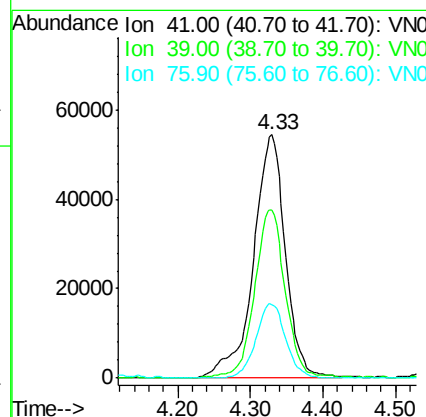
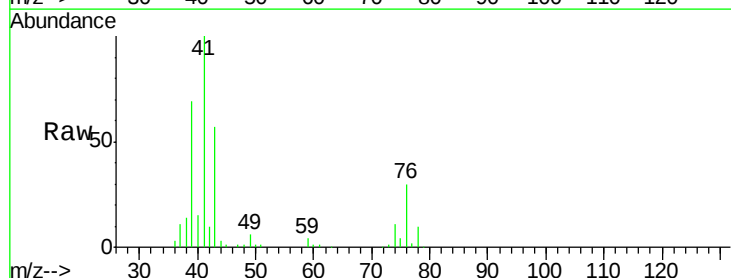
Manual Integrations
APPROVED

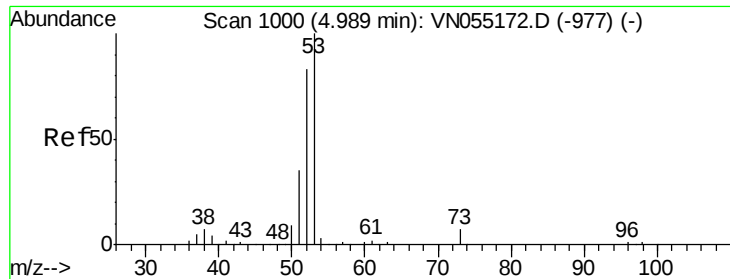
MMDadoda
4/29/2019 10:57:06 AM



#14
Allyl chloride
Concen: 21.334 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	41	Resp	167336
Ion Ratio	100	Lower	Upper
41	100		
39	66.0	52.9	79.3
76	28.4	23.6	35.4





#15

Acrylonitrile

Concen: 118.091 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

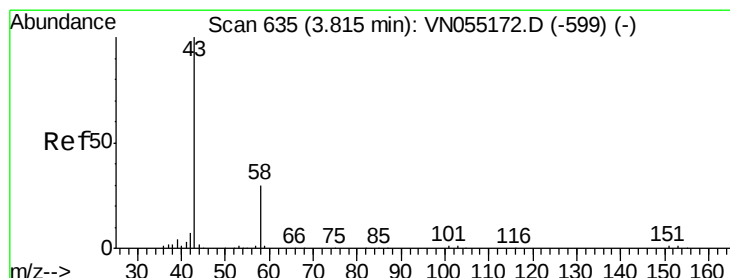
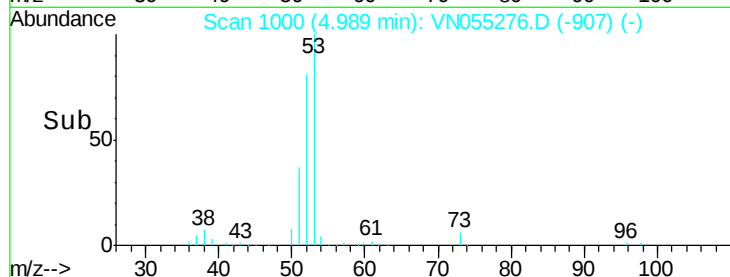
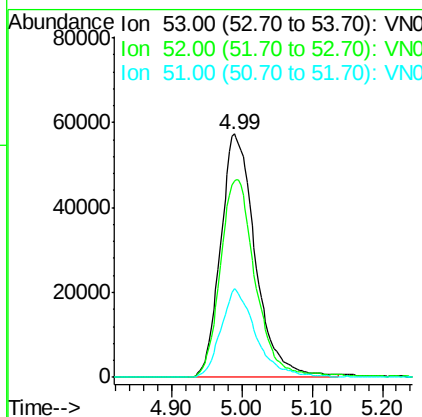
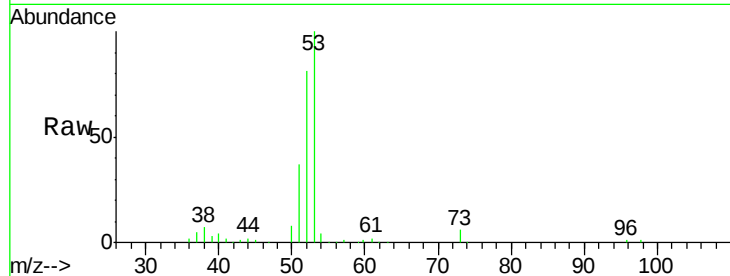
ClientSampleId :

VN0427WBSD01

Tot Ion:	53	Resp:	197361
Ion Ratio	Lower	Upper	
53	100		
52	80.9	65.8	98.8
51	36.4	28.9	43.3

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#16

Acetone

Concen: 88.378 ug/l

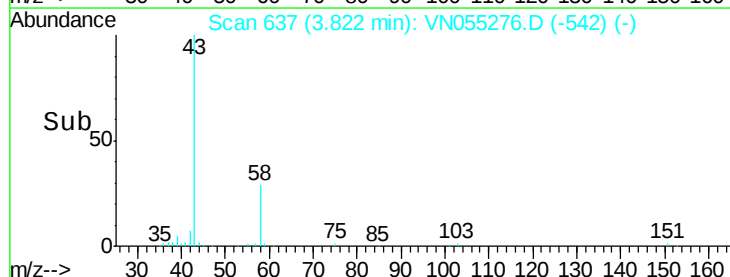
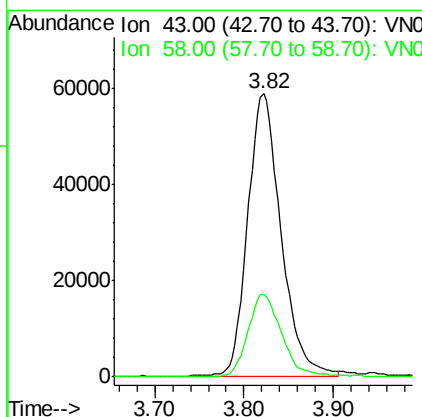
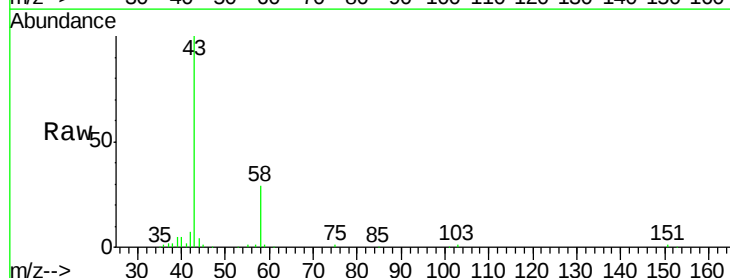
RT: 3.82 min Scan# 637

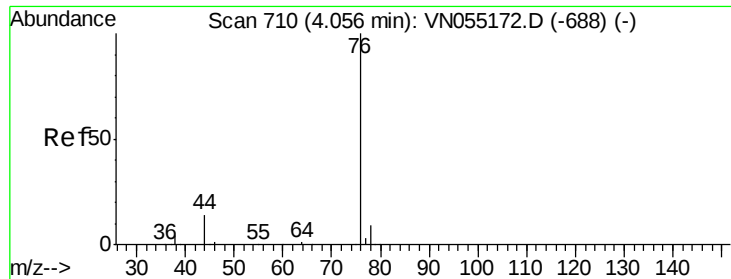
Delta R.T. 0.01 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion:	43	Resp:	152501
Ion Ratio	Lower	Upper	
43	100		
58	29.4	23.8	35.8





#17

Carbon Disulfide

Concen: 19.362 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 76 Resp: 214760

Ion Ratio Lower Upper

76 100

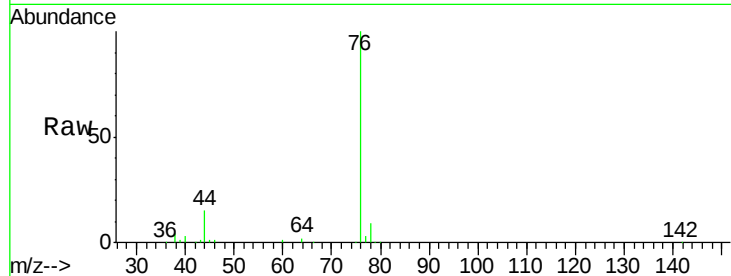
78 9.2 7.3 10.9

Manual Integrations

APPROVED

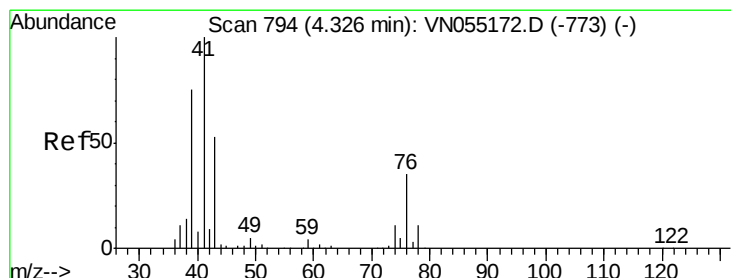
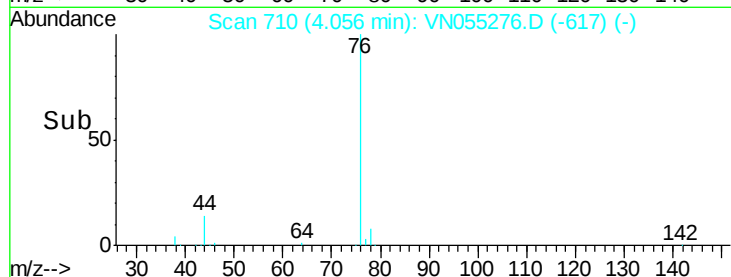
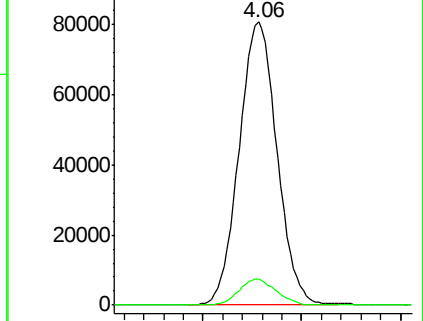
MMDadoda

4/29/2019 10:57:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.993 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055276.D

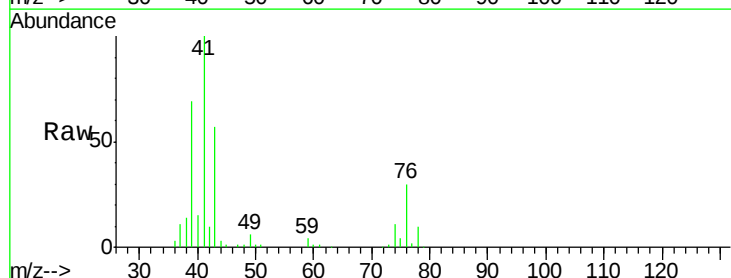
Acq: 26 Apr 2019 15:16

Tgt Ion: 43 Resp: 91139

Ion Ratio Lower Upper

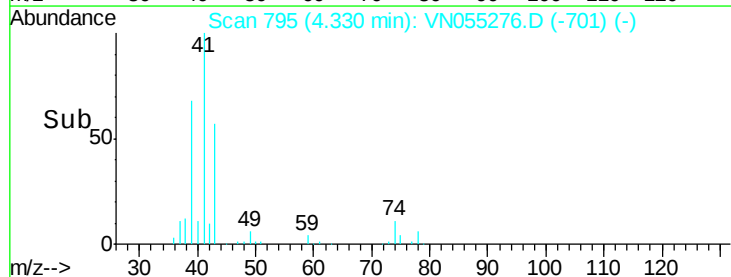
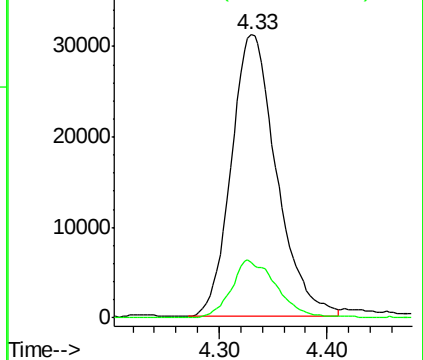
43 100

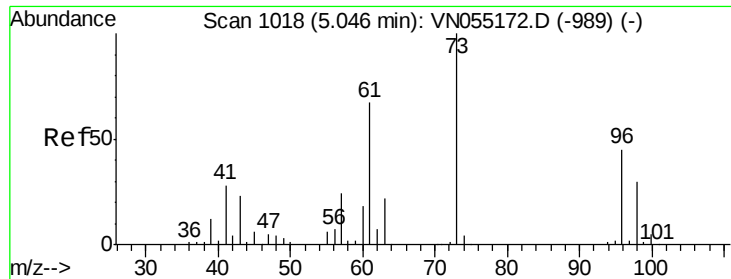
74 20.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





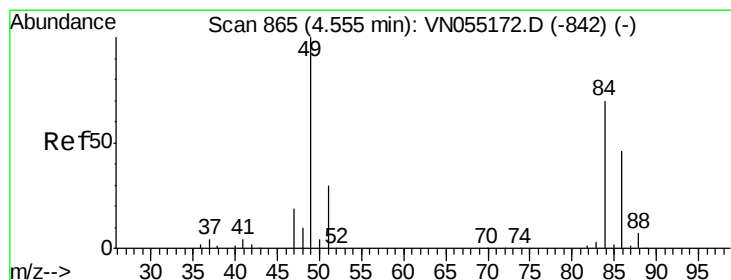
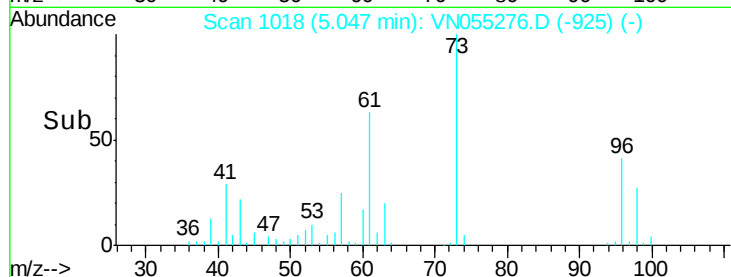
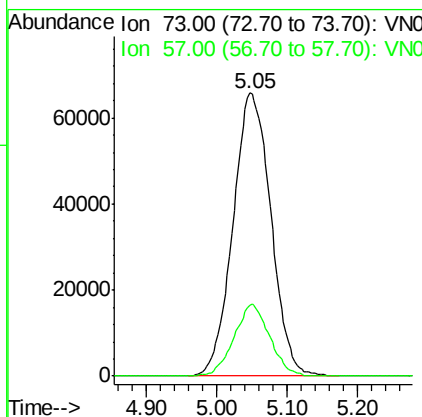
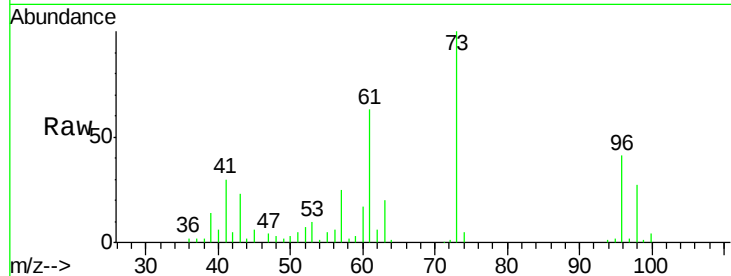
#19
Methvl tert-butvl Ether
Concen: 22.490 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion: 73 Resp: 246707
Ion Ratio Lower Upper
73 100
57 24.8 19.5 29.3

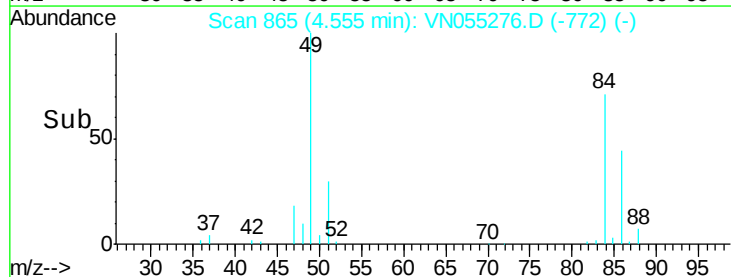
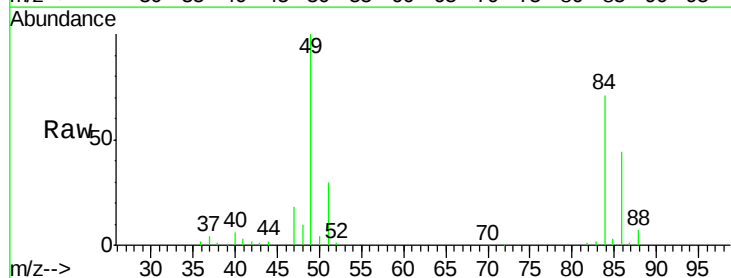
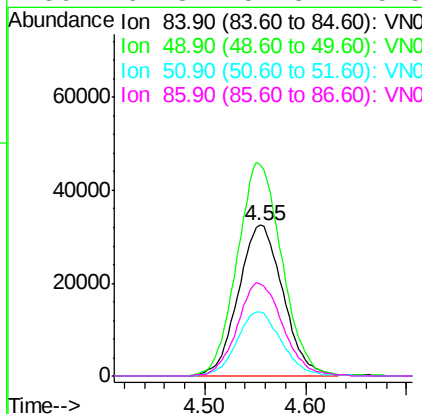
Manual Integrations
APPROVED

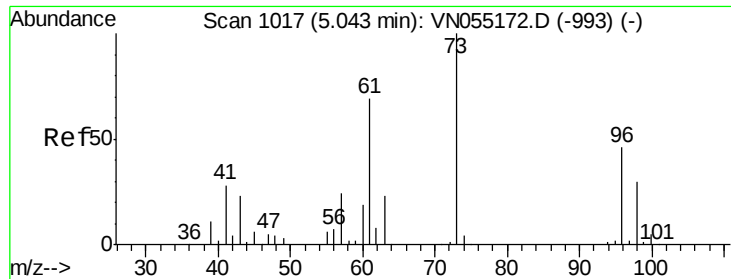
MMDadoda
4/29/2019 10:57:06 AM



#20
Methylene Chloride
Concen: 20.104 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 84 Resp: 99728
Ion Ratio Lower Upper
84 100
49 140.2 113.8 170.6
51 42.7 34.0 51.0
86 61.3 52.3 78.5





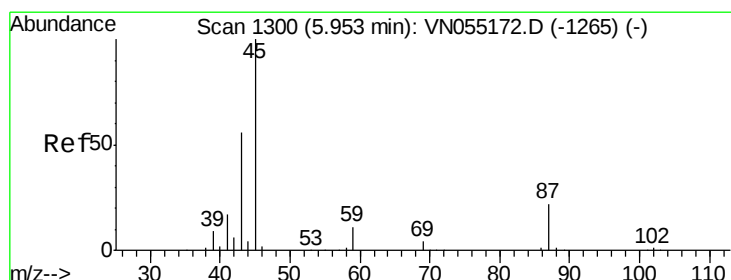
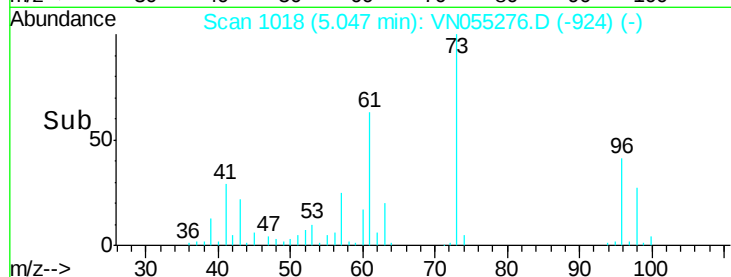
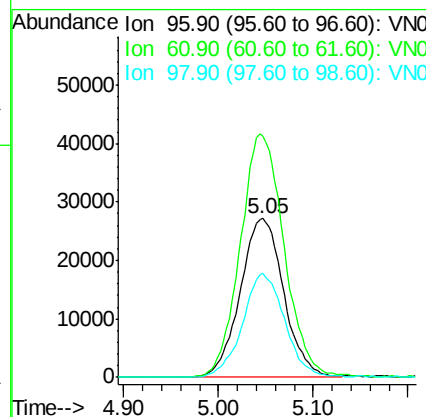
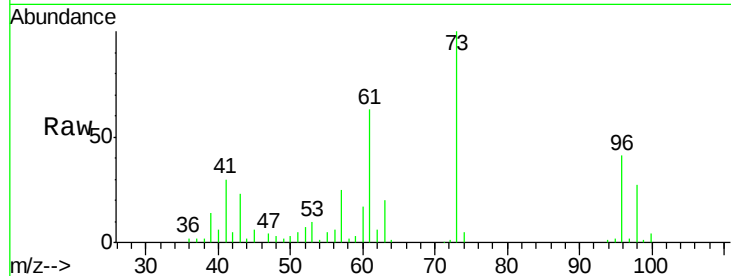
#21
trans-1,2-Dichloroethene
Concen: 20.856 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	119.3	178.9
98	65.3	53.0	79.4

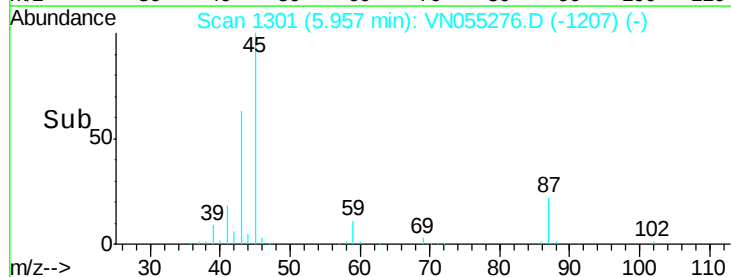
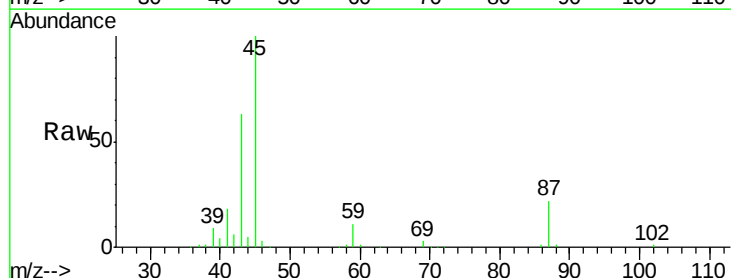
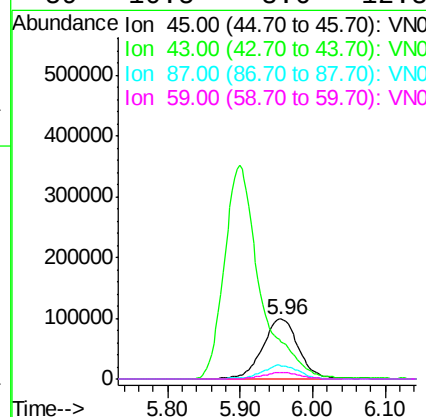
Manual Integrations
APPROVED

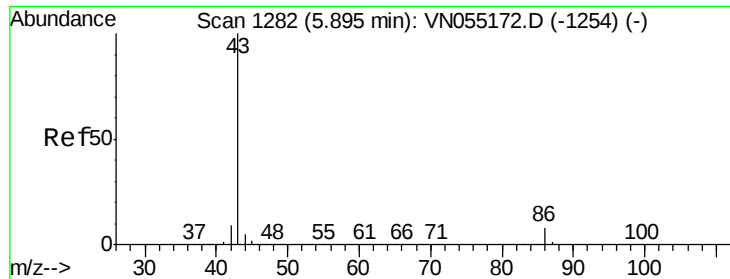
MMDadoda
4/29/2019 10:57:06 AM



#22
Diisopropyl ether
Concen: 21.848 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	47.4	71.0
87	21.8	18.4	27.6
59	10.5	8.6	12.8





#23

Vinyl Acetate

Concen: 114.674 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 43 Resp: 1204806

Ion Ratio Lower Upper

43 100

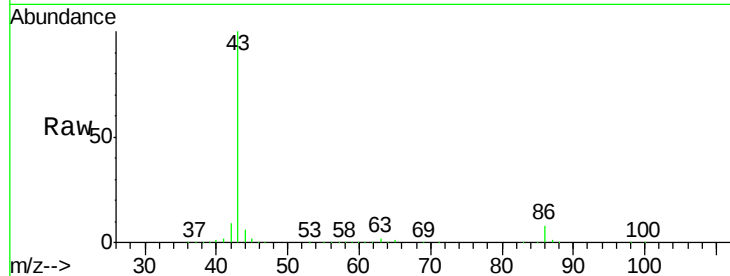
86 8.0 6.8 10.2

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:57:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 86.00 (85.70 to 86.70): VNC

5.90

400000

300000

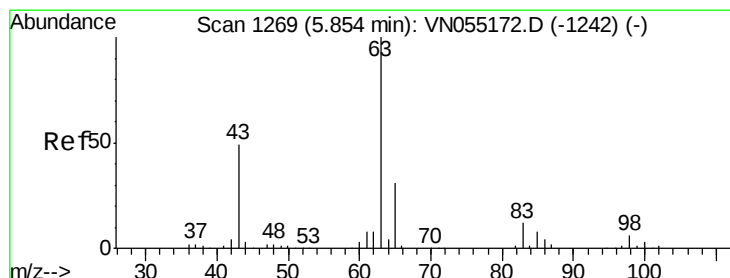
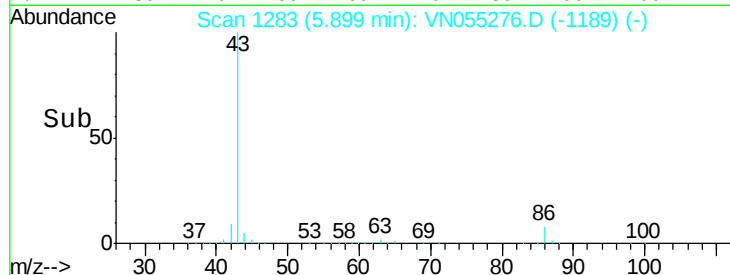
200000

100000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.236 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

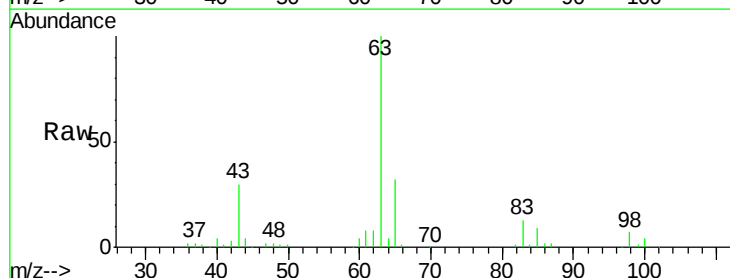
Tgt Ion: 63 Resp: 178588

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.3

100 3.6 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

Ion 99.90 (99.60 to 100.60): VNC

60000

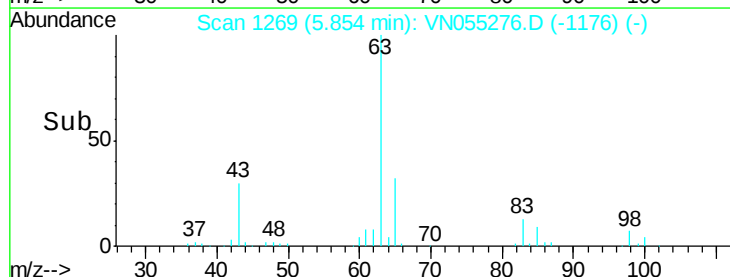
40000

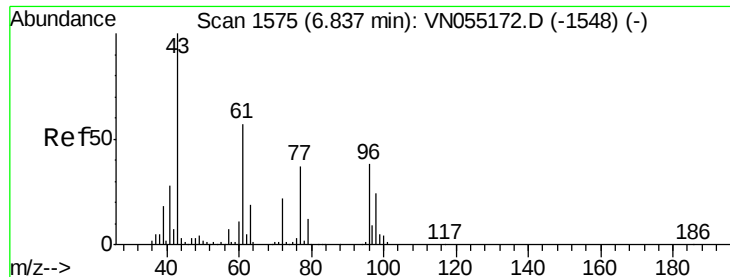
20000

0

5.70 5.80 5.90

Time-->





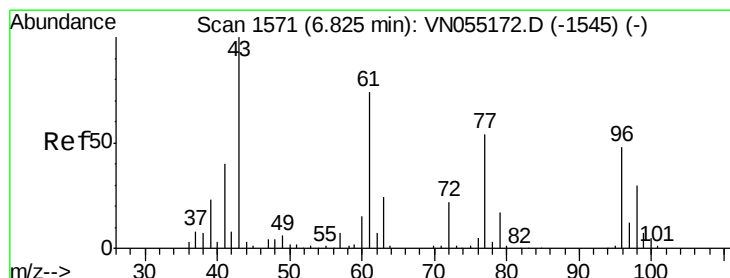
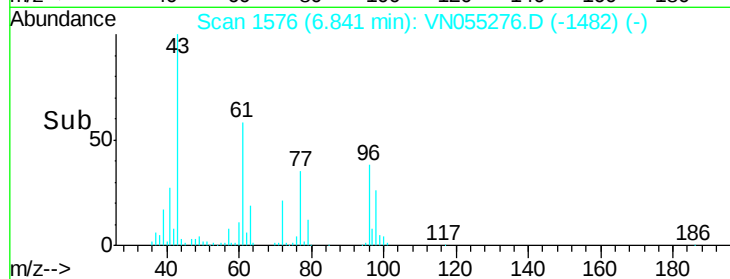
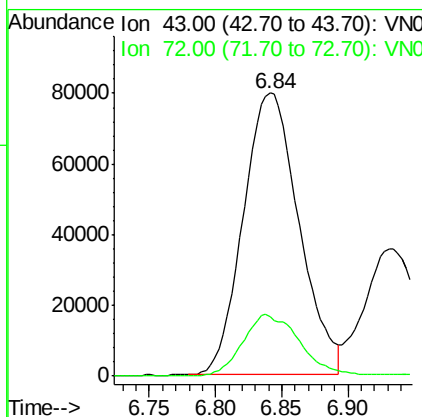
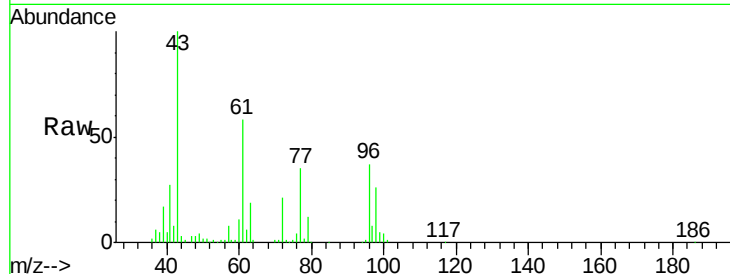
#25
2-Butanone
Concen: 105.140 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion: 43 Resp: 234227
Ion Ratio Lower Upper
43 100
72 21.0 17.8 26.8

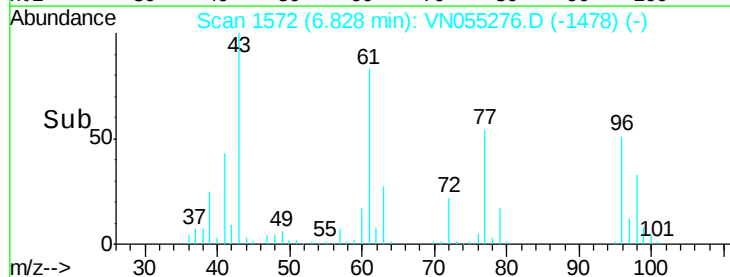
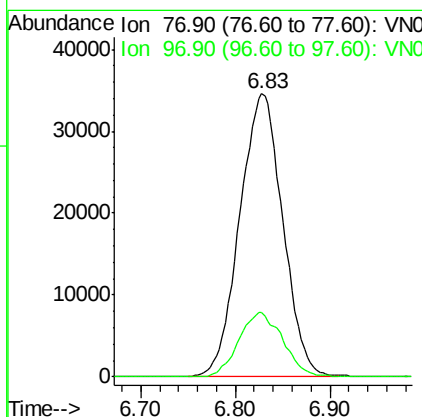
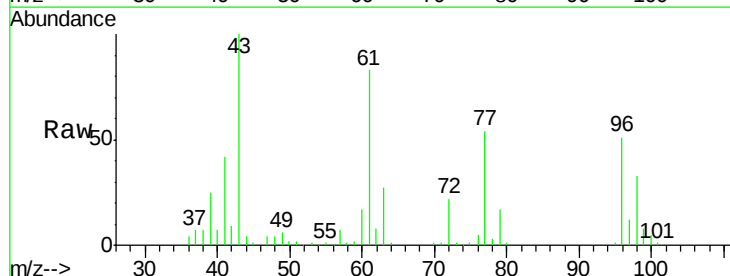
Manual Integrations
APPROVED

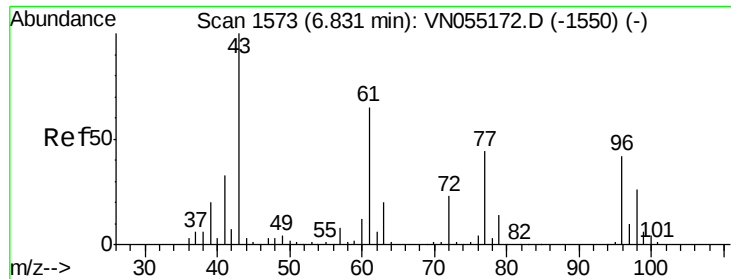
MMDadoda
4/29/2019 10:57:06 AM



#26
2,2-Dichloropropane
Concen: 19.214 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 77 Resp: 109343
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.698 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

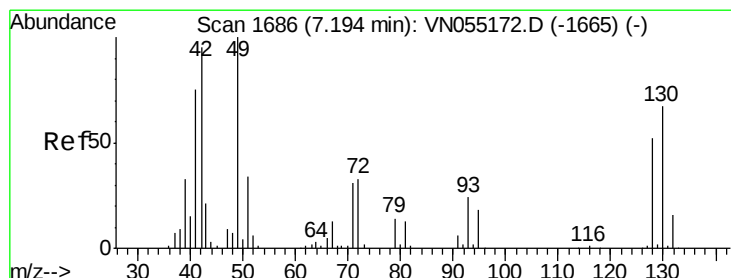
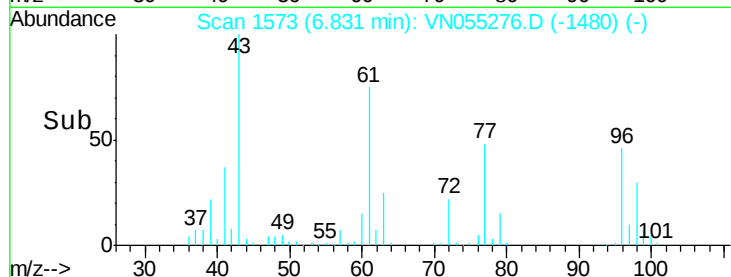
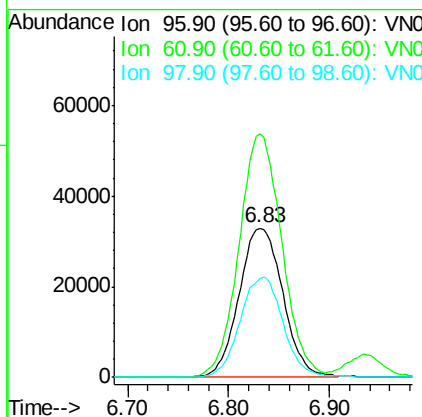
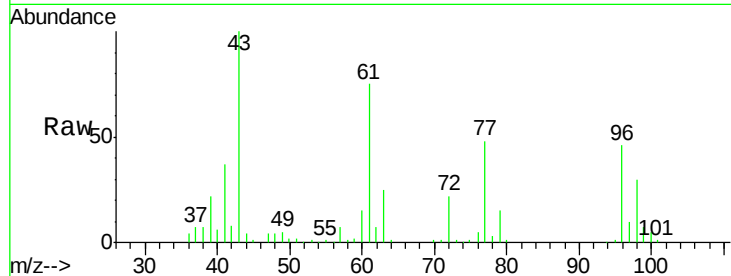
ClientSampleId :

VN0427WBSD01

Tot Ion:	96	Resp:	99270
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	310.8
98	65.9	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#28

Bromochloromethane

Concen: 20.518 ug/l

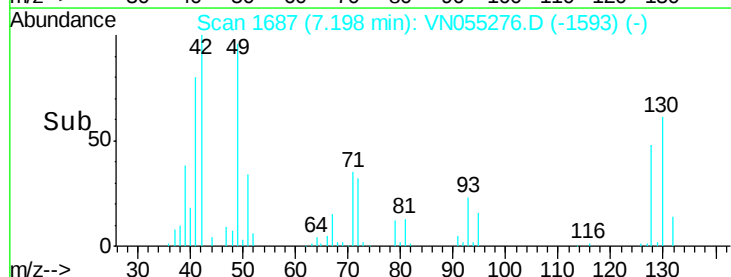
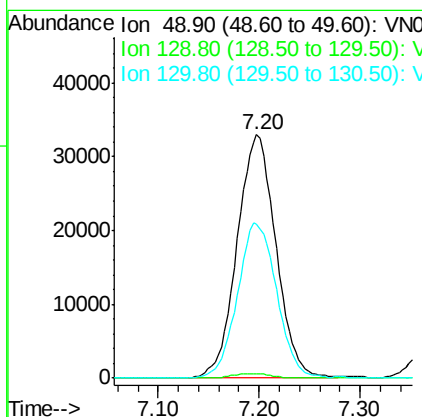
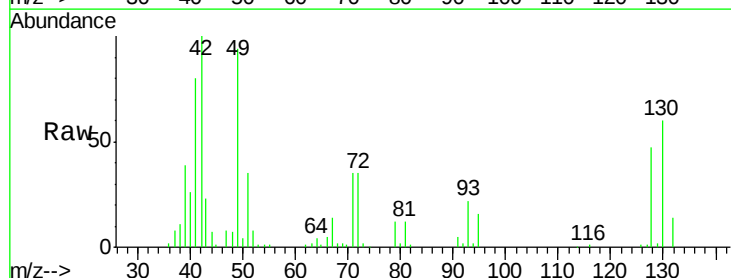
RT: 7.20 min Scan# 1687

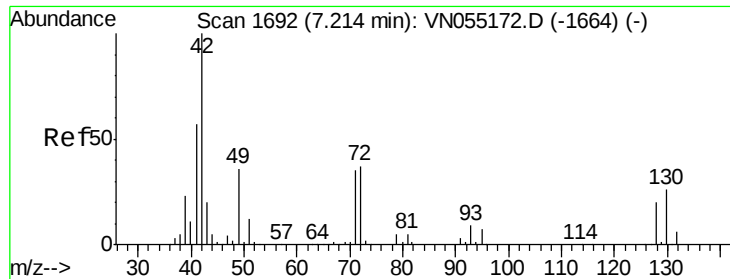
Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion:	49	Resp:	87955
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	64.4	53.4	80.2





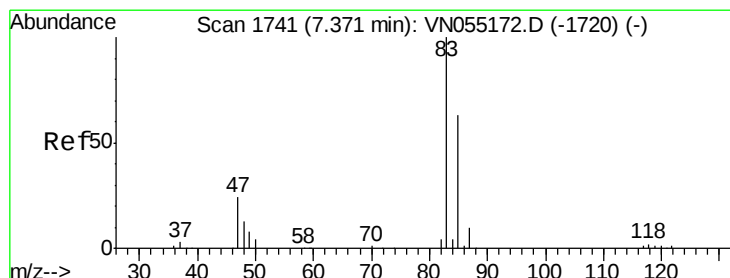
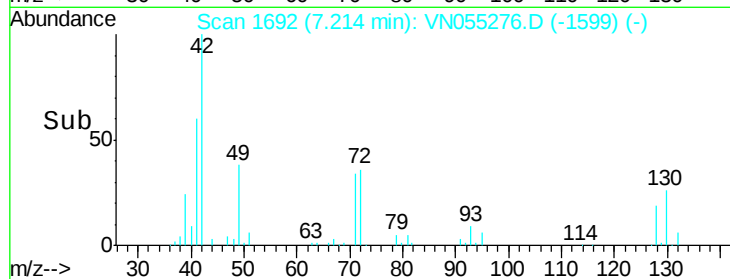
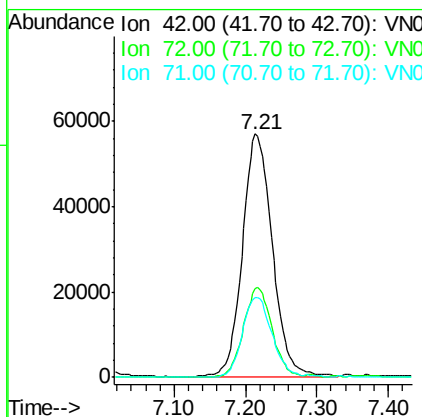
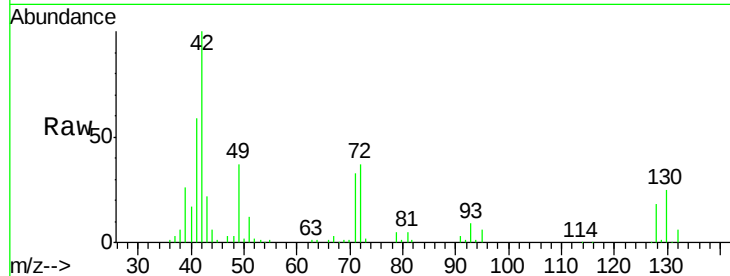
#29
Tetrahydrofuran
Concen: 122.587 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	29.4	44.2
71	32.3	27.8	41.8

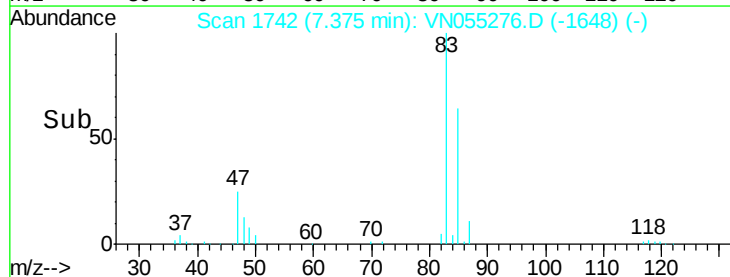
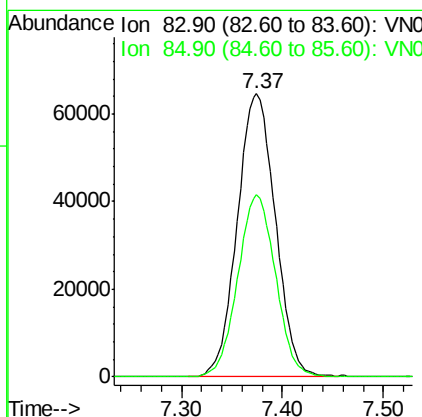
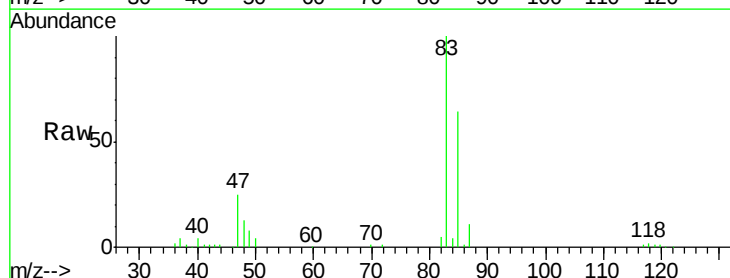
Manual Integrations
APPROVED

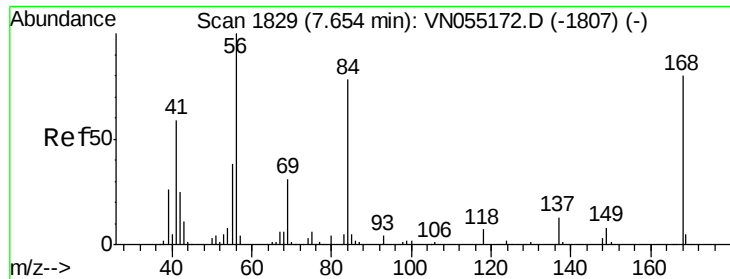
MMDadoda
4/29/2019 10:57:06 AM



#30
Chloroform
Concen: 21.154 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0





#31

Cyclohexane

Concen: 20.091 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

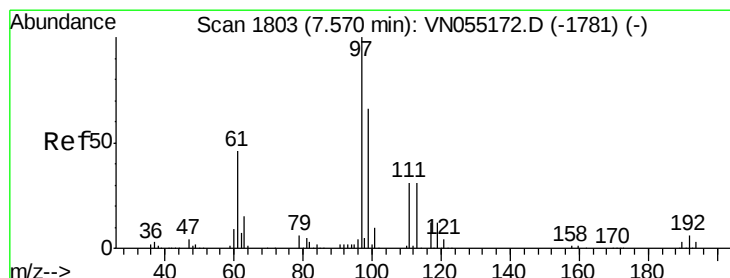
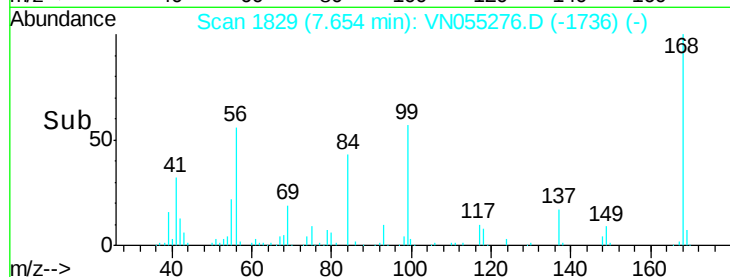
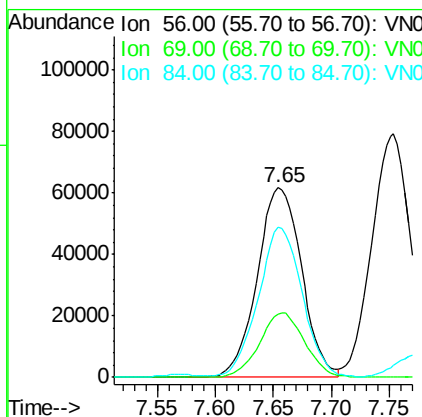
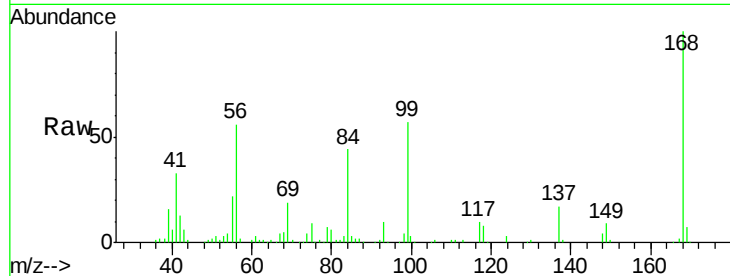
ClientSampleId :

VN0427WBSD01

Tot Ion:	56	Resp:	164310
Ion	Ratio	Lower	Upper
56	100		
69	33.6	24.6	37.0
84	77.7	61.4	92.2

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#32

1,1,1-Trichloroethane

Concen: 21.343 ug/l

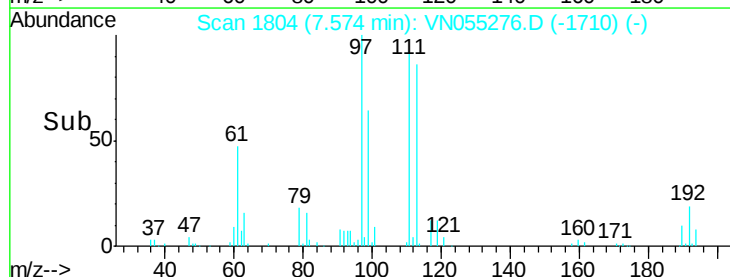
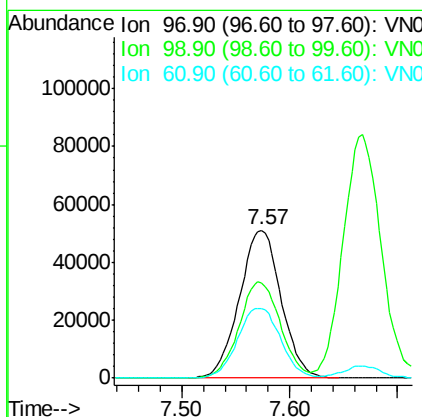
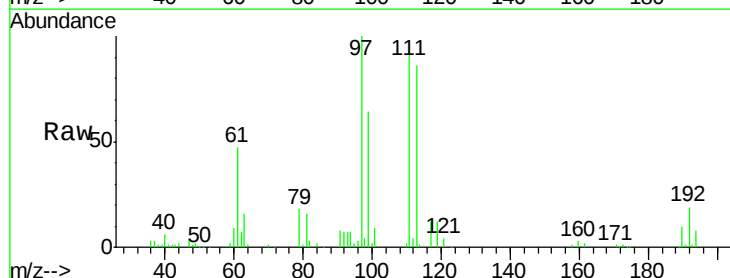
RT: 7.57 min Scan# 1804

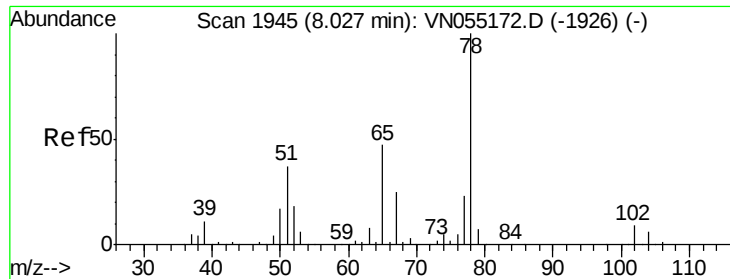
Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion:	97	Resp:	137164
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	48.6	38.3	57.5





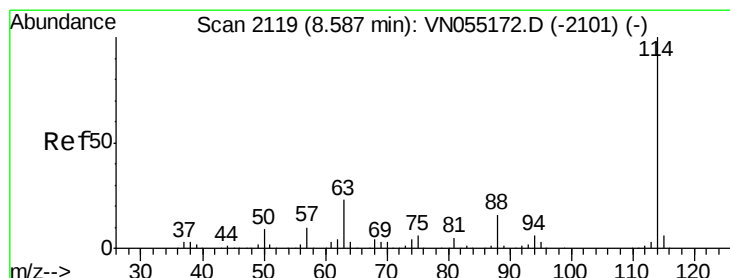
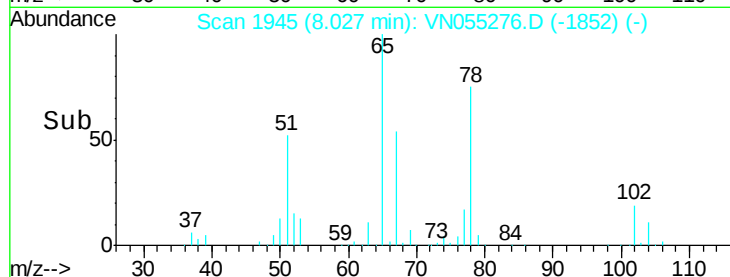
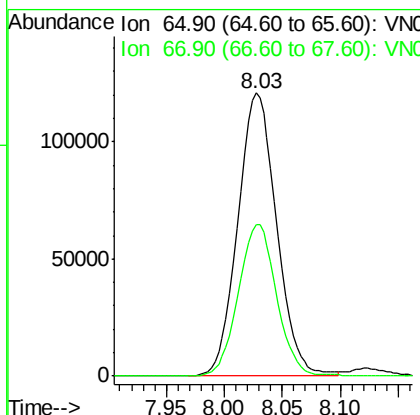
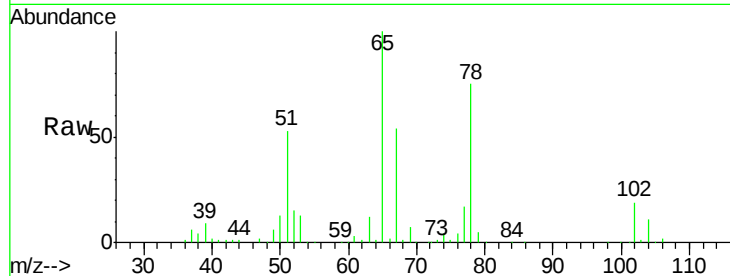
#33
 1,2-Dichloroethane-d4
 Concen: 53.906 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	281378		
67	52.8	0.0	108.6	

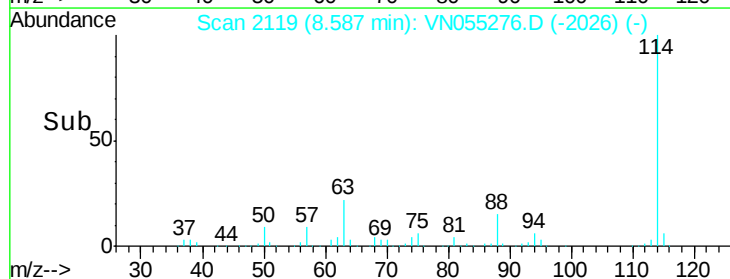
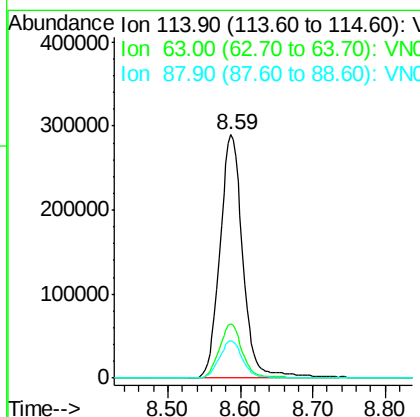
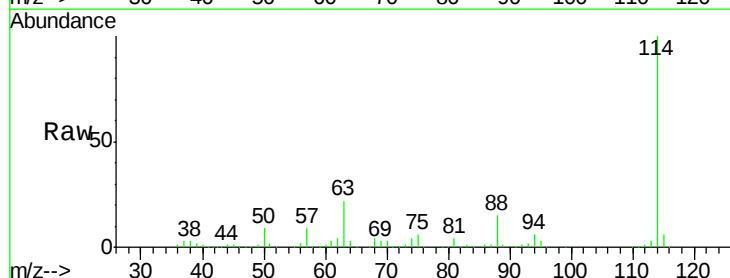
Manual Integrations
 APPROVED

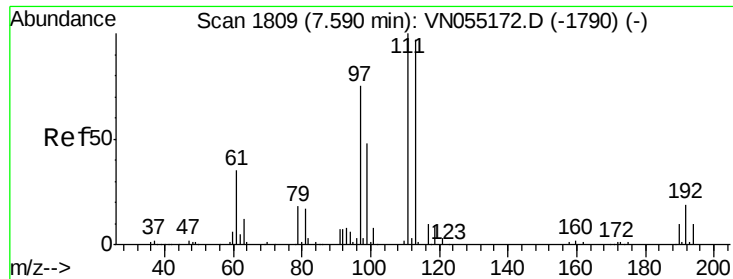
MMDadoda
 4/29/2019 10:57:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	635318		
63	22.3	0.0	45.2	
88	15.3	0.0	32.8	





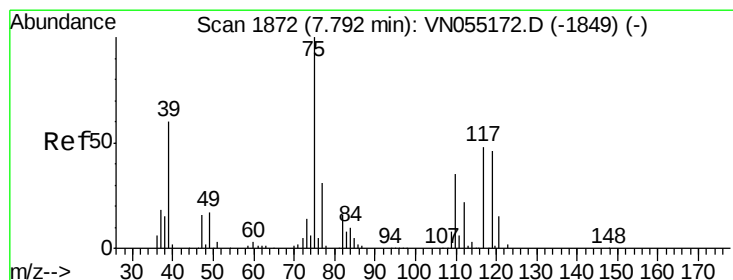
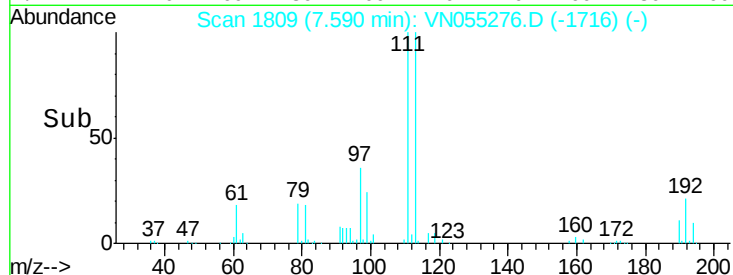
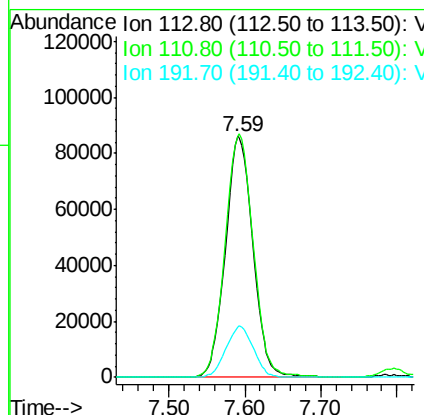
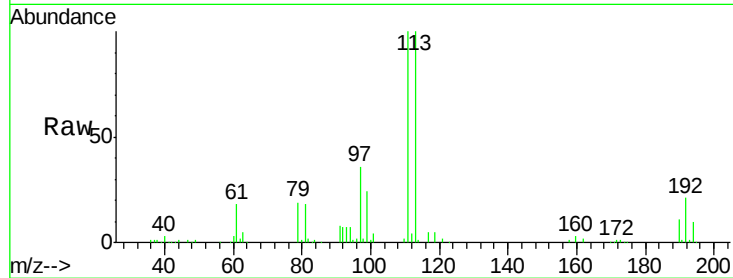
#35
 Dibromofluoromethane
 Concen: 50.301 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217099		
111	102.5	81.0	121.4	
192	21.2	16.2	24.4	

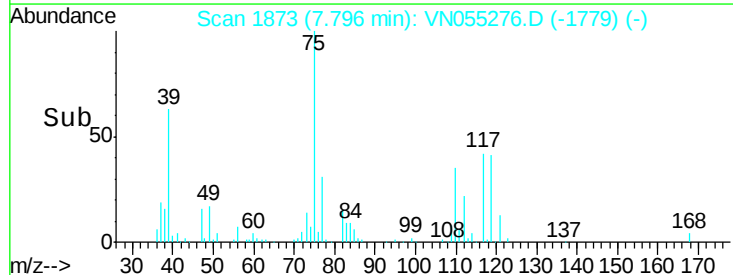
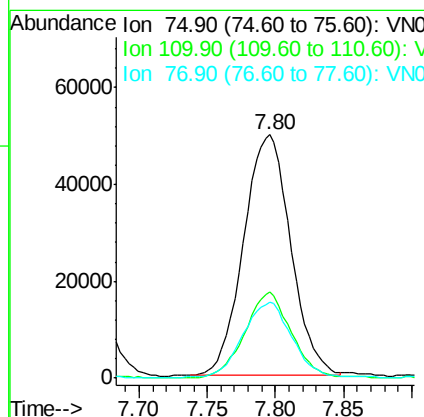
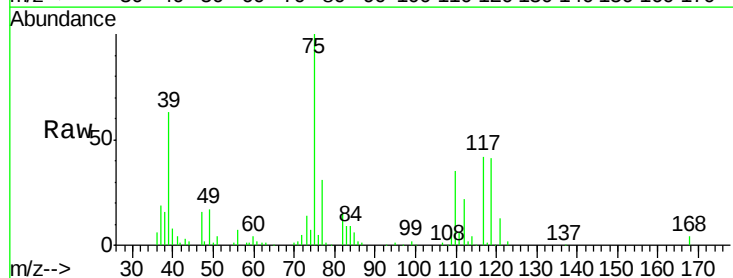
Manual Integrations
 APPROVED

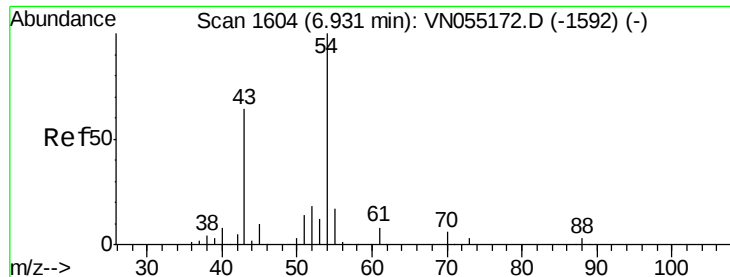
MMDadoda
 4/29/2019 10:57:06 AM



#36
 1,1-Dichloropropene
 Concen: 20.216 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119211		
110	35.0	17.1	51.2	
77	33.2	24.6	36.8	





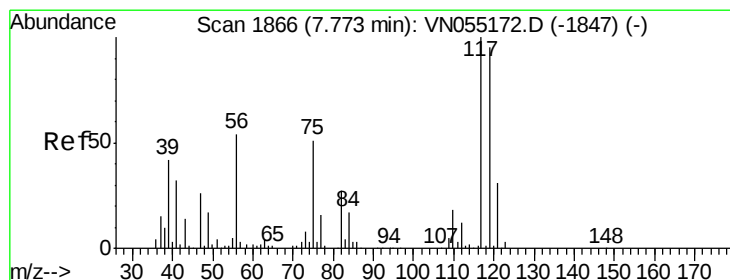
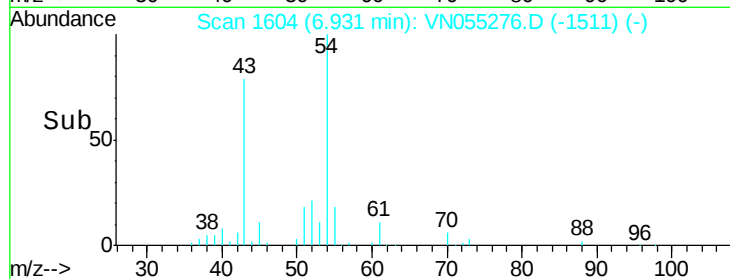
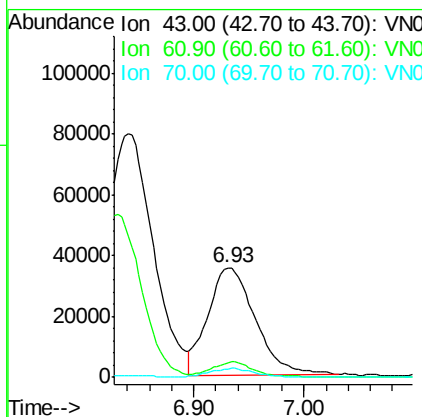
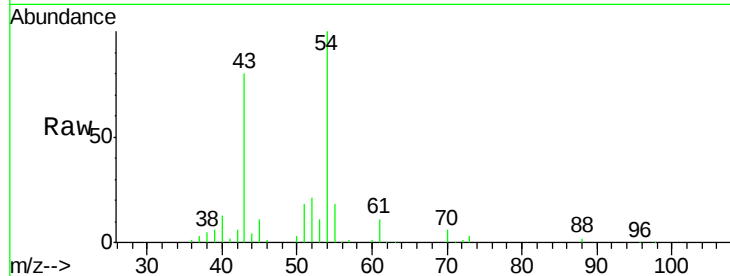
#37
Ethyl Acetate
Concen: 22.111 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0427WBSD01

Tot Ion	43	61	70
Resp	105223		
Ratio	100	10.8	8.1
Lower		9.7	6.9
Upper		14.5	10.3

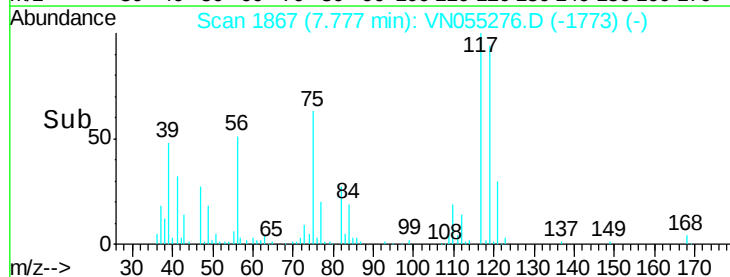
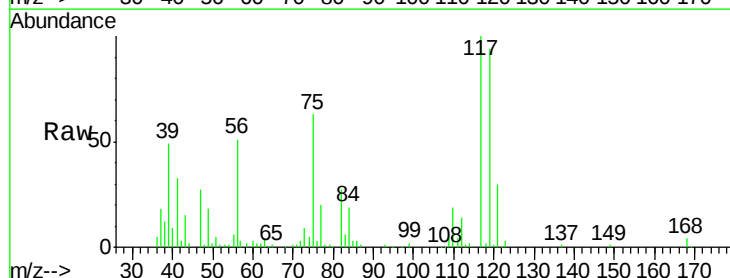
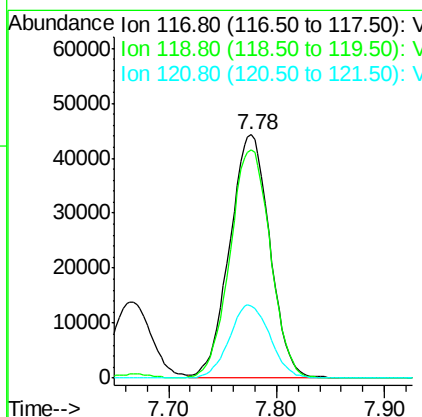
Manual Integrations
APPROVED

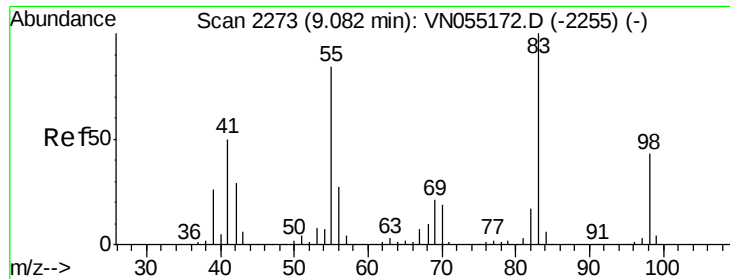
MMDadoda
4/29/2019 10:57:06 AM



#38
Carbon Tetrachloride
Concen: 20.809 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	117	119	121
Resp	114908		
Ratio	100	93.9	29.6
Lower		76.0	24.6
Upper		114.0	36.8





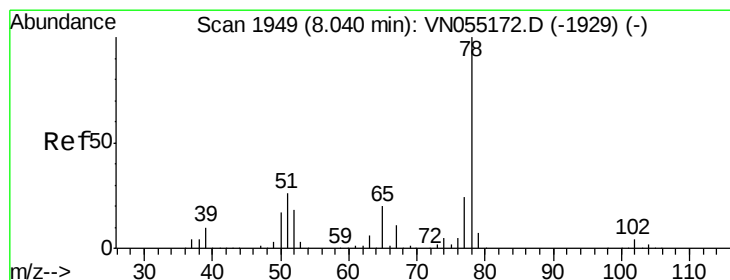
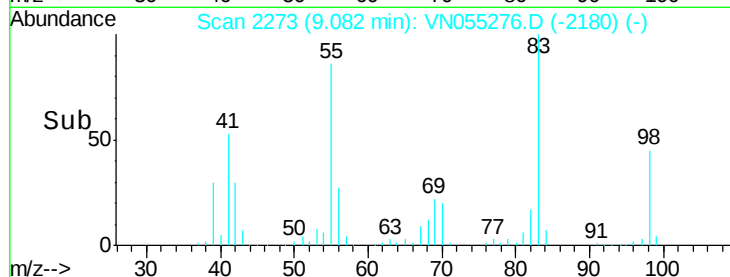
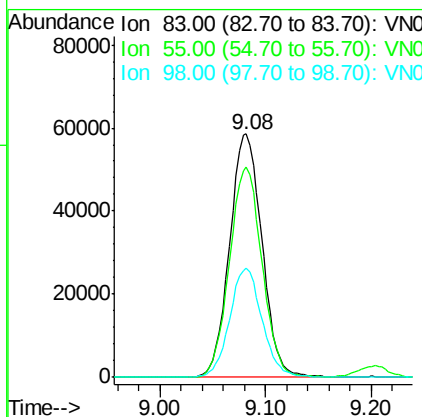
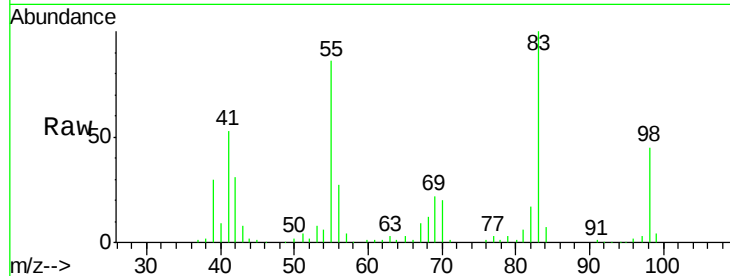
#39
Methvlcvclohexane
Concen: 17.735 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	67.4	101.0
98	44.7	34.7	52.1

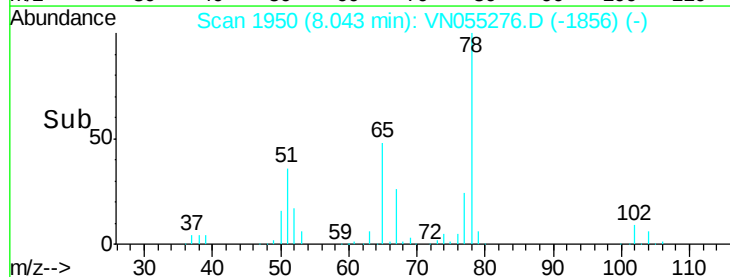
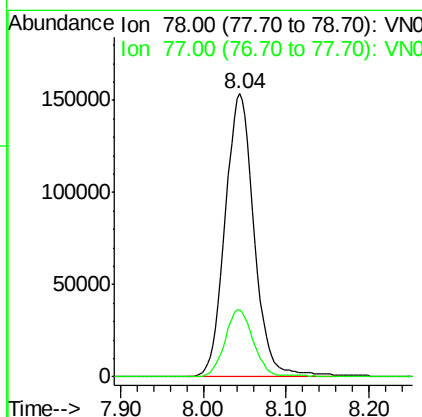
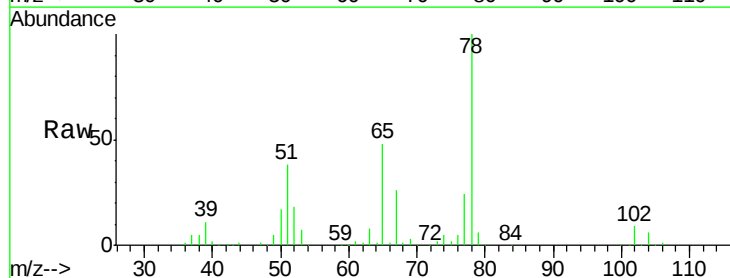
Manual Integrations
APPROVED

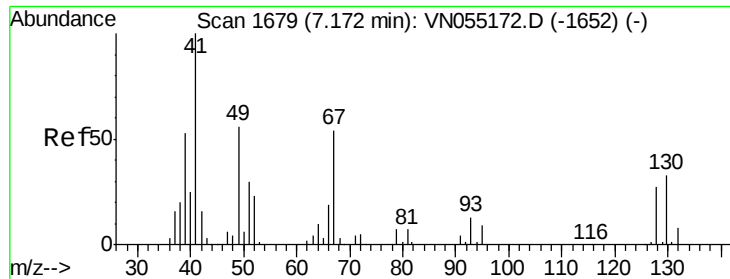
MMDadoda
4/29/2019 10:57:06 AM



#40
Benzene
Concen: 20.553 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





#41

Methacrylonitrile

Concen: 25.656 ug/l m

RT: 7.19 min Scan# 1685

Delta R.T. 0.02 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 41 Resp: 64010
Ion Ratio Lower Upper

41 100

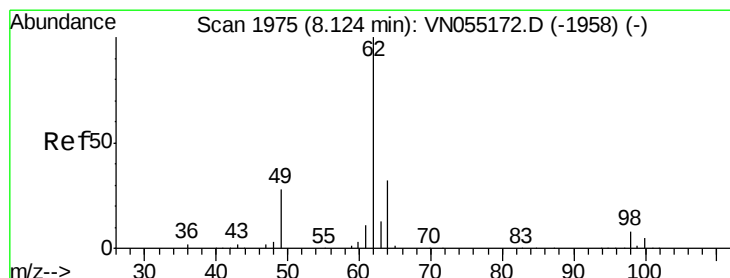
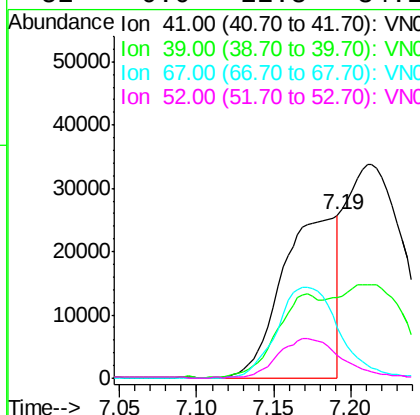
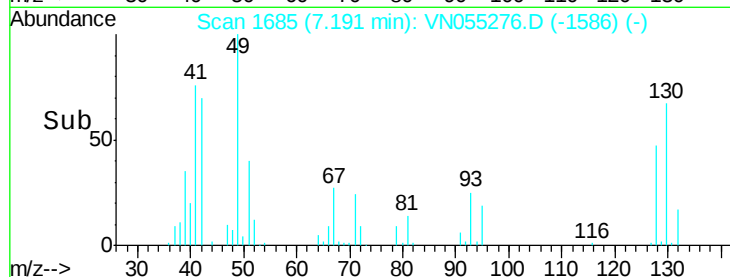
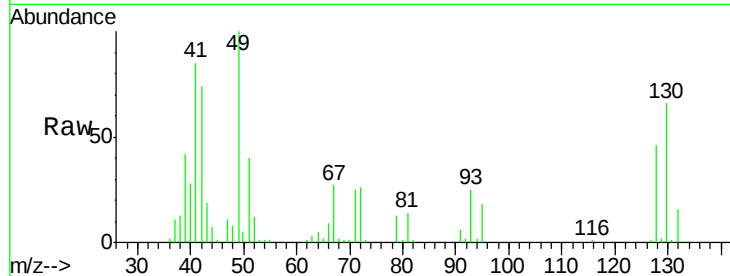
39 0.0 45.4 68.0#

67 0.0 54.6 81.8#

52 0.0 22.8 34.2#

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#42

1,2-Dichloroethane

Concen: 21.008 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

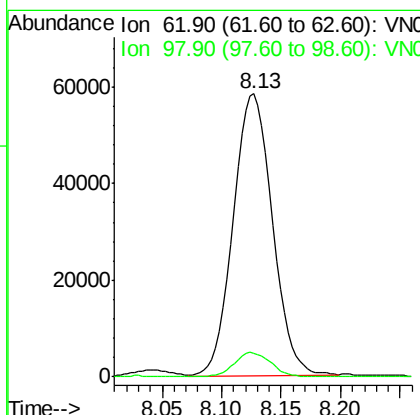
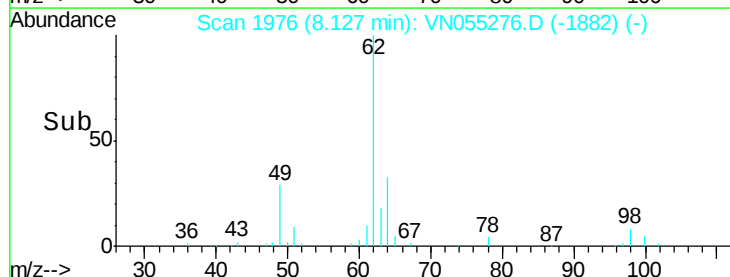
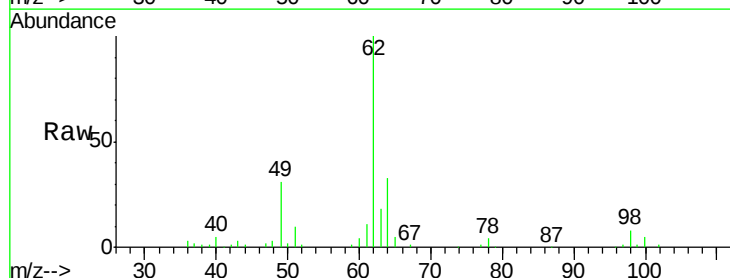
Lab File: VN055276.D

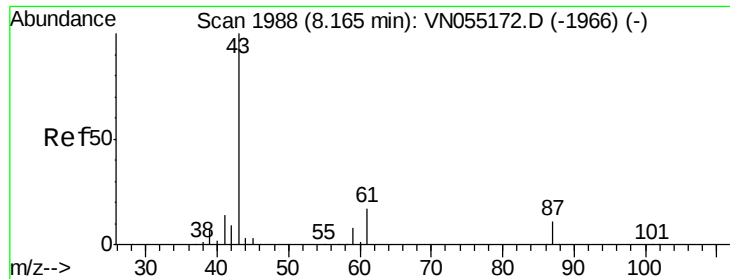
Acq: 26 Apr 2019 15:16

Tgt Ion: 62 Resp: 133407
Ion Ratio Lower Upper

62 100

98 8.1 0.0 17.0





#43

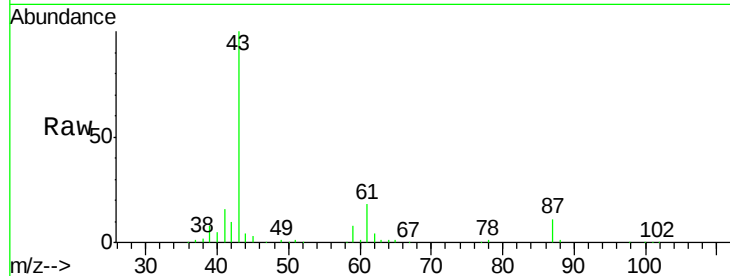
Isopropyl Acetate
 Concen: 22.899 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

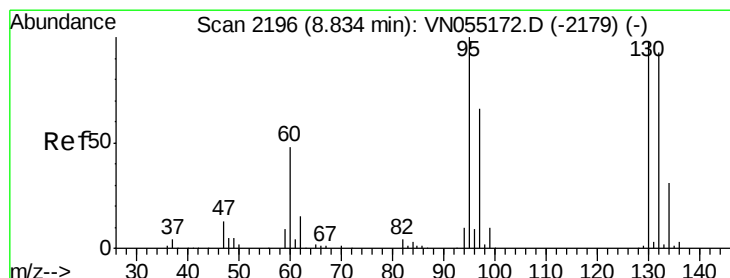
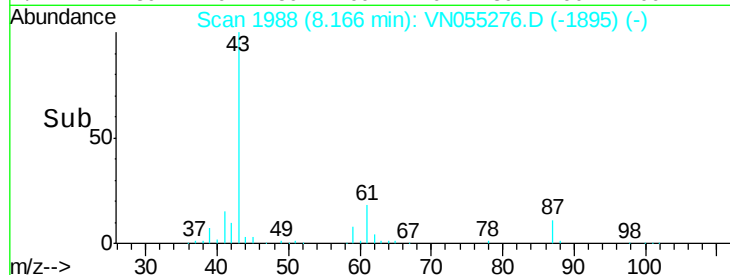
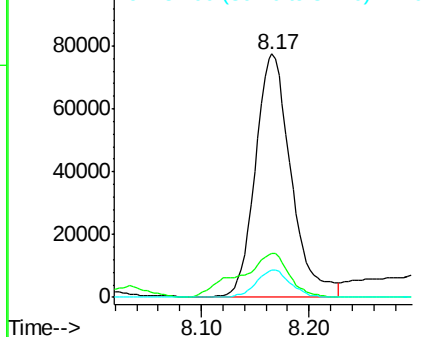
Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	20.6	30.8
87	10.8	8.8	13.2

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:57:06 AM



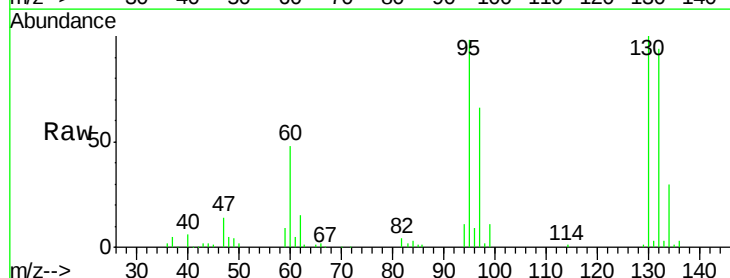
Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1966) (-)
 Ion 61.00 (60.70 to 61.70): VN055172.D (-1966) (-)
 Ion 87.00 (86.70 to 87.70): VN055172.D (-1966) (-)



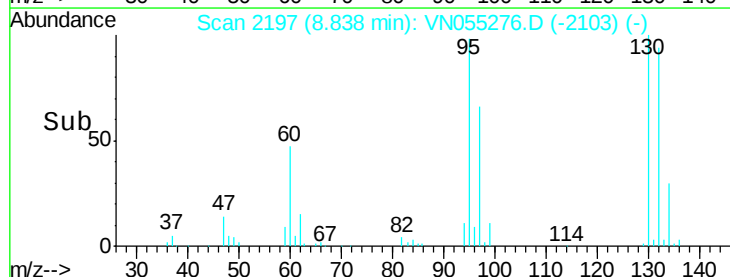
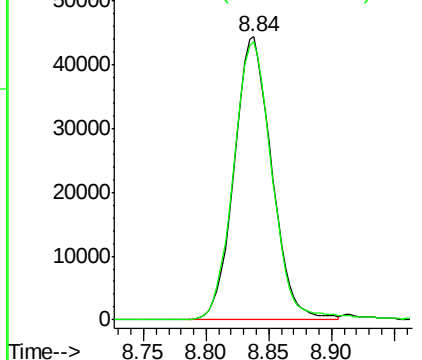
#44

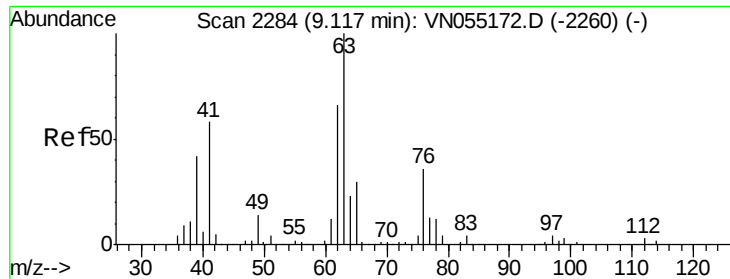
Trichloroethene
 Concen: 20.054 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	203.6



Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN055172.D (-2179) (-)





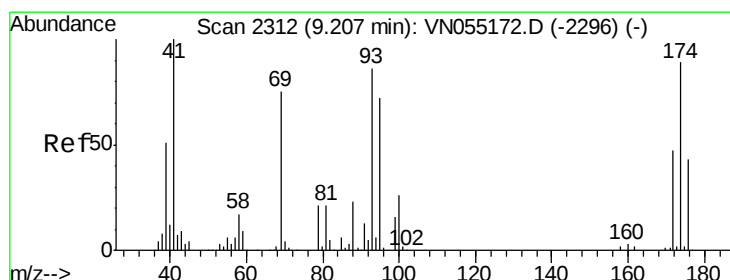
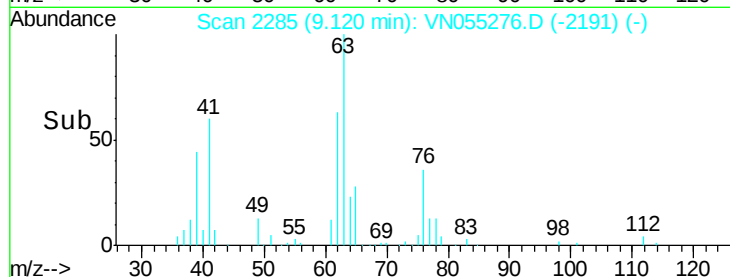
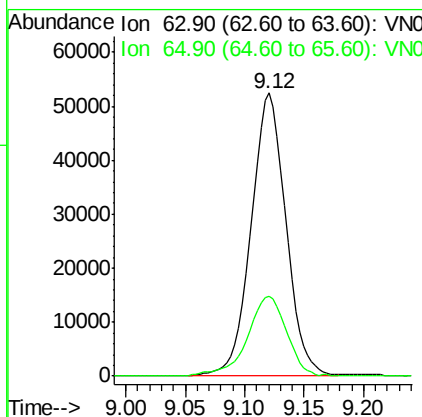
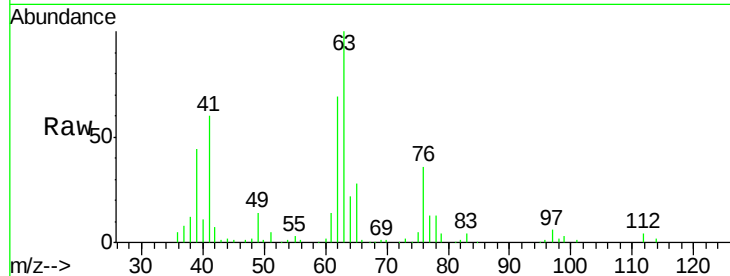
#45
 1,2-Dichloropropane
 Concen: 20.739 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	106563		
65	28.0		23.8	35.6

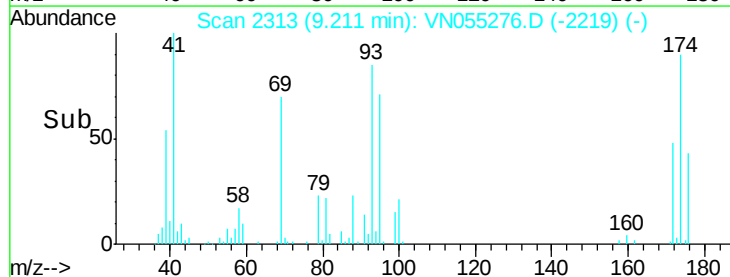
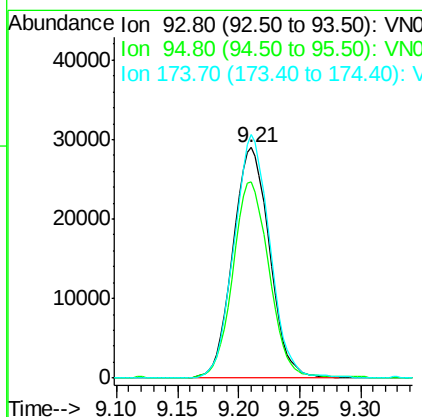
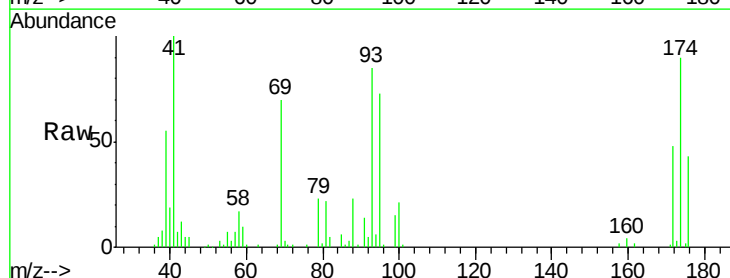
Manual Integrations
 APPROVED

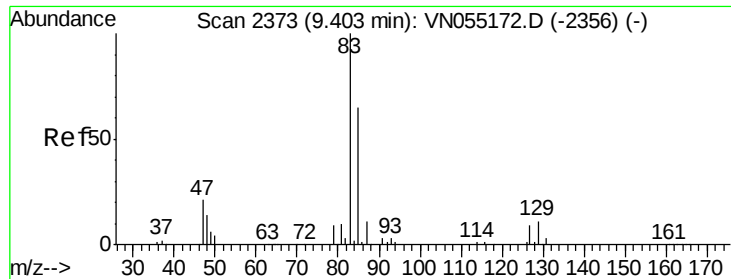
MMDadoda
 4/29/2019 10:57:06 AM



#46
 Dibromomethane
 Concen: 20.552 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	60452		
95	84.3		67.6	101.4
174	102.5		83.4	125.2





#47

Bromodichloromethane

Concen: 21.213 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

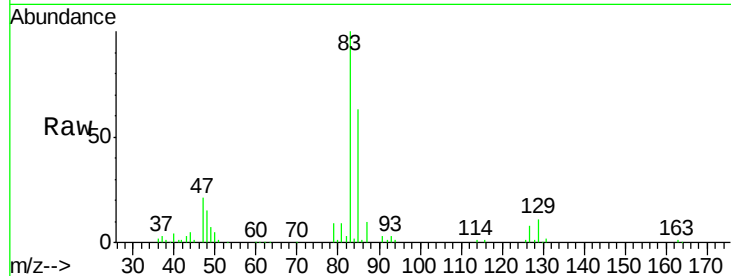
ClientSampleId :

VN0427WBSD01

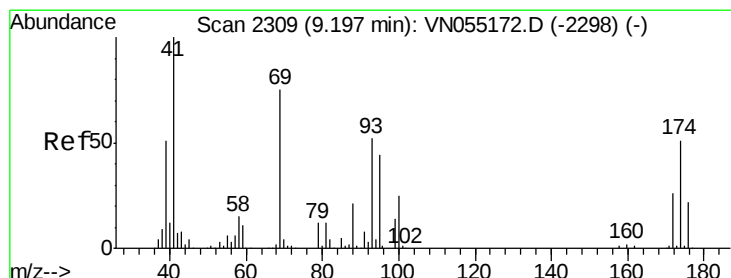
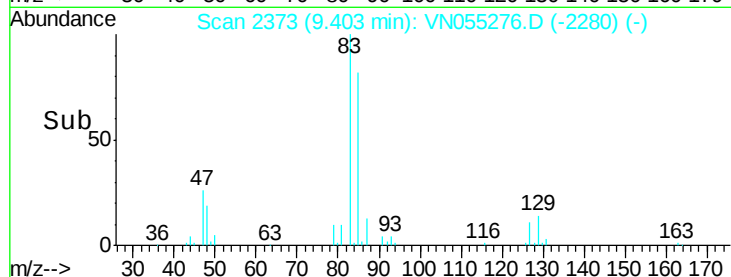
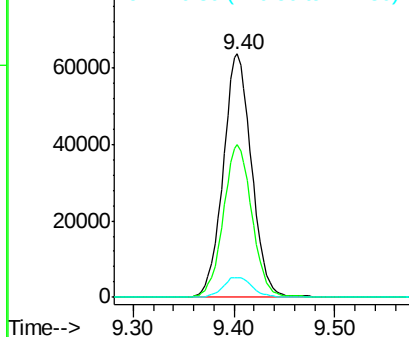
Tot Ion:	83	Resp:	124908
Ion Ratio	Lower	Upper	
83	100		
85	62.6	52.1	78.1
127	8.1	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



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



#48

Methyl methacrylate

Concen: 22.604 ug/l

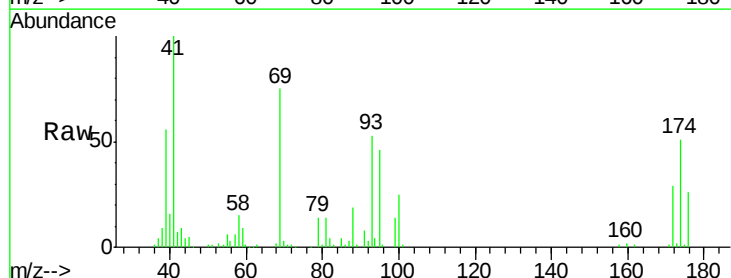
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

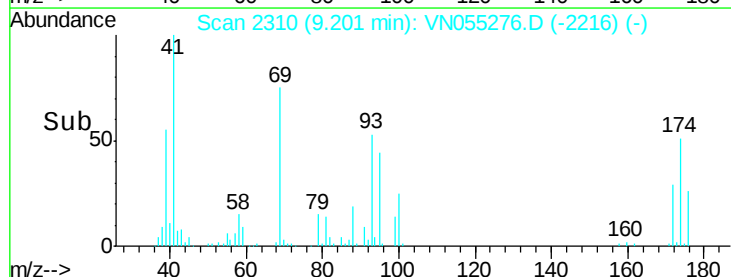
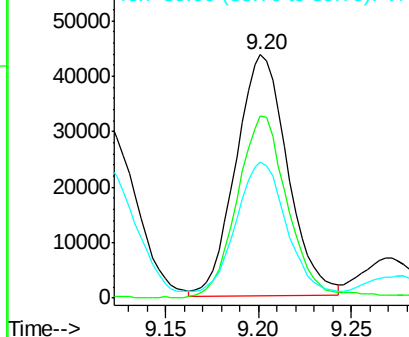
Lab File: VN055276.D

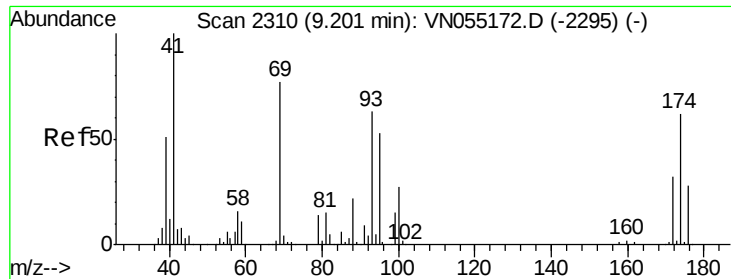
Acq: 26 Apr 2019 15:16

Tgt Ion:	41	Resp:	84497
Ion Ratio	Lower	Upper	
41	100		
69	74.4	63.6	95.4
39	54.7	43.8	65.8



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





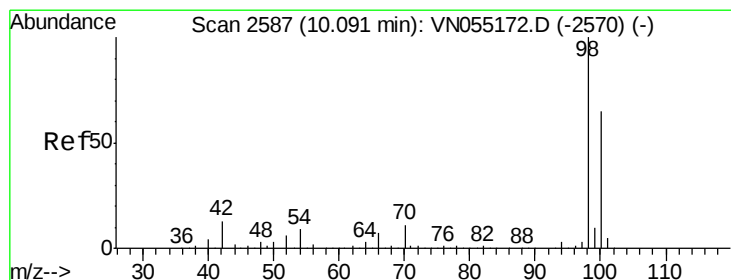
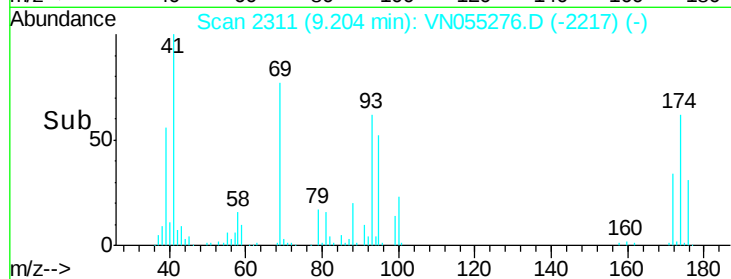
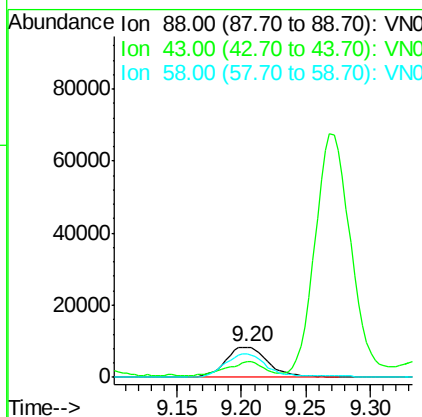
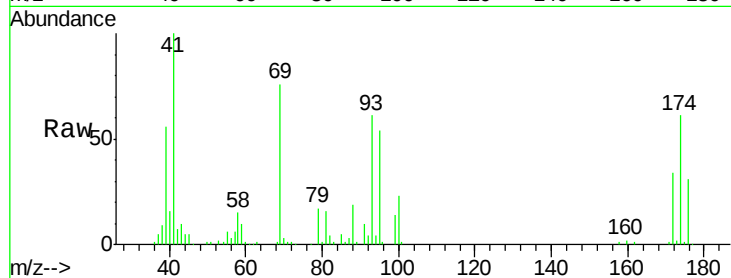
#49
1,4-Dioxane
Concen: 446.531 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion	88	Resp	19276
Ion	Ratio	Lower	Upper
88	100		
43	41.4	32.0	48.0
58	75.3	60.4	90.6

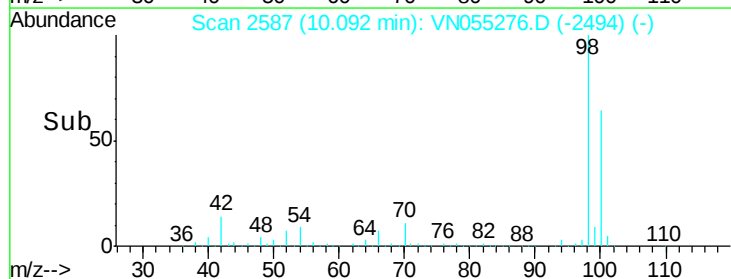
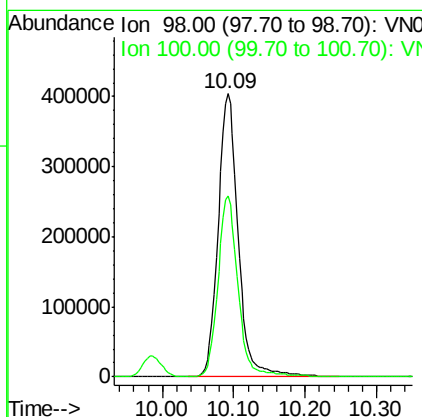
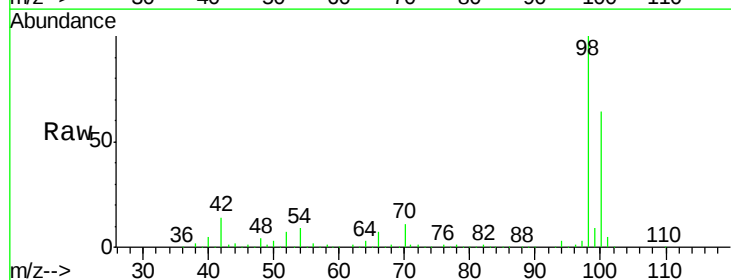
Manual Integrations
APPROVED

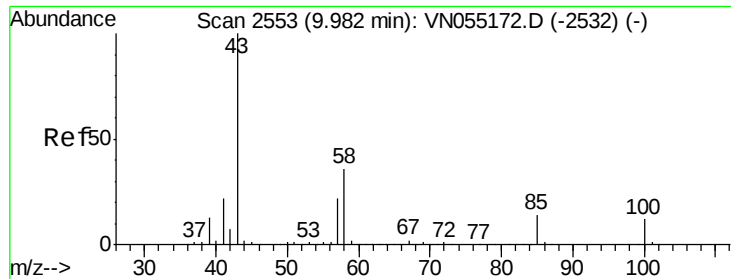
MMDadoda
4/29/2019 10:57:06 AM



#50
Toluene-d8
Concen: 49.345 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	98	Resp	789101
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 113.596 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 43 Resp: 503727

Ion Ratio Lower Upper

43 100

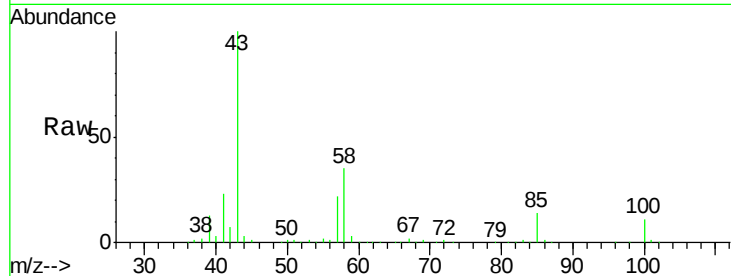
58 35.4 28.3 42.5

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:57:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

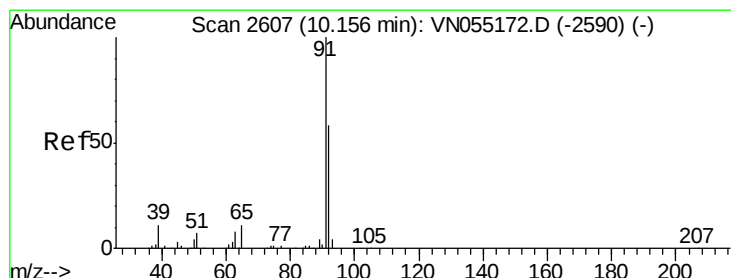
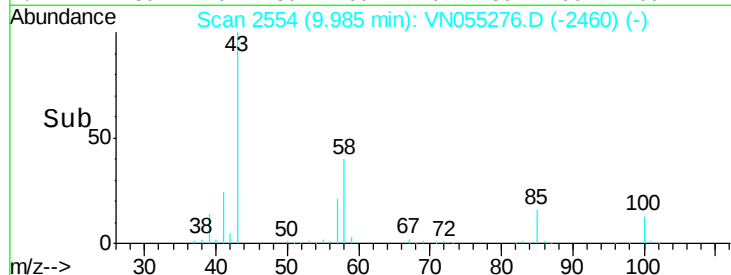
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.568 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055276.D

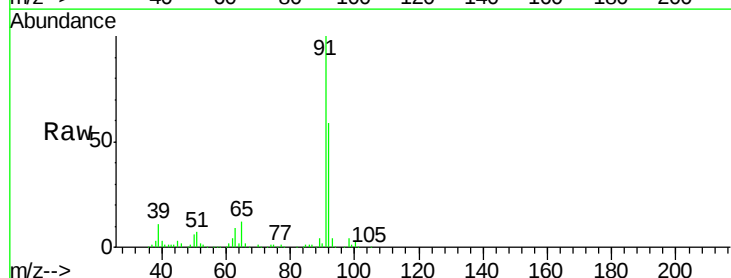
Acq: 26 Apr 2019 15:16

Tgt Ion: 92 Resp: 219480

Ion Ratio Lower Upper

92 100

91 174.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

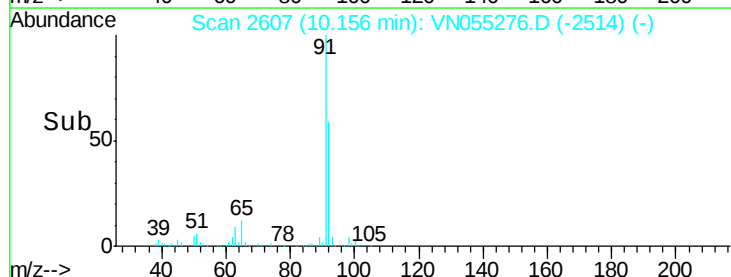
150000

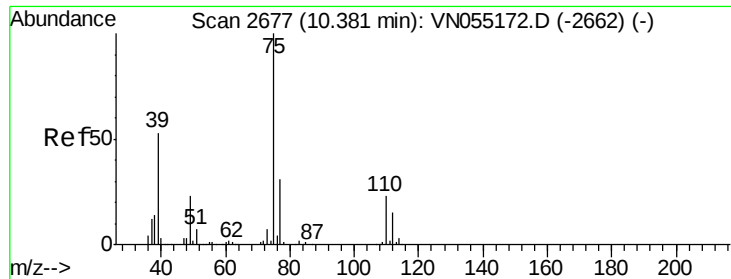
100000

50000

0

Time-->





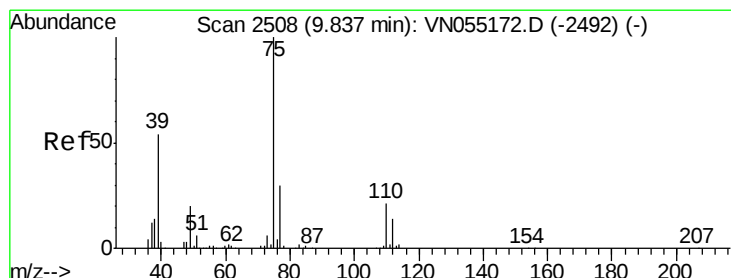
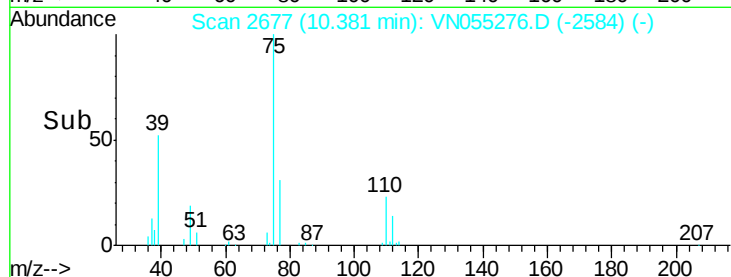
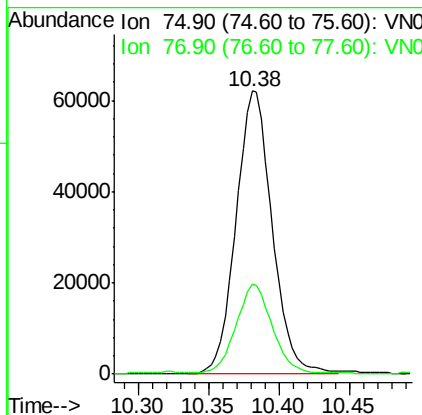
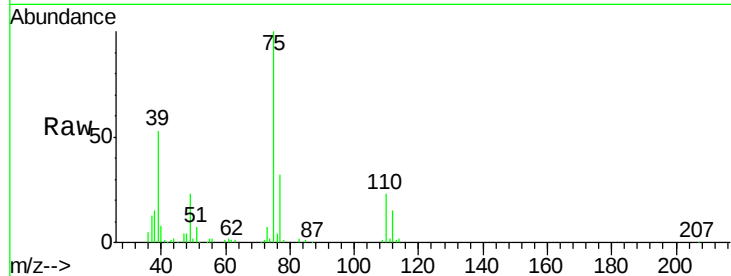
#53
t-1,3-Dichloropropene
Concen: 20.662 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion: 75 Resp: 111652
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

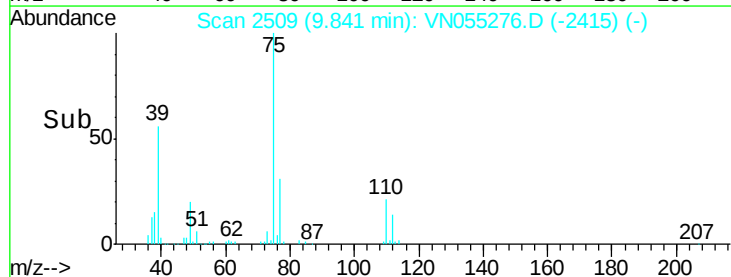
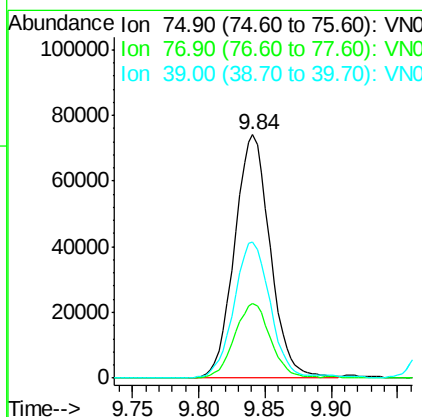
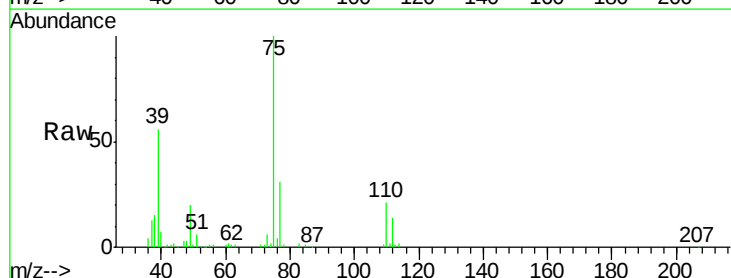
Manual Integrations
APPROVED

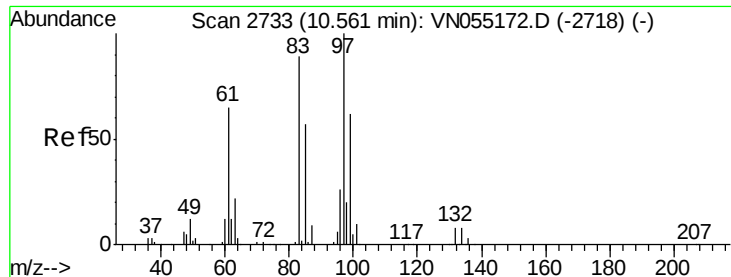
MMDadoda
4/29/2019 10:57:06 AM



#54
cis-1,3-Dichloropropene
Concen: 20.674 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 75 Resp: 138636
Ion Ratio Lower Upper
75 100
77 30.6 24.3 36.5
39 55.7 43.0 64.4





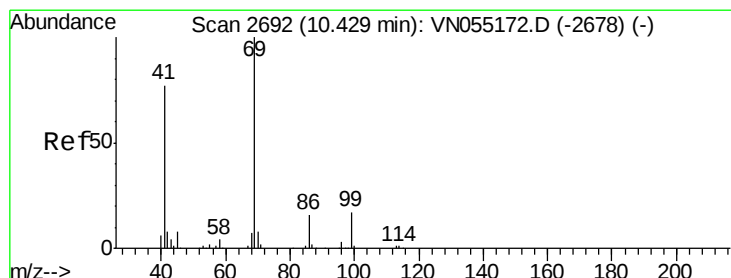
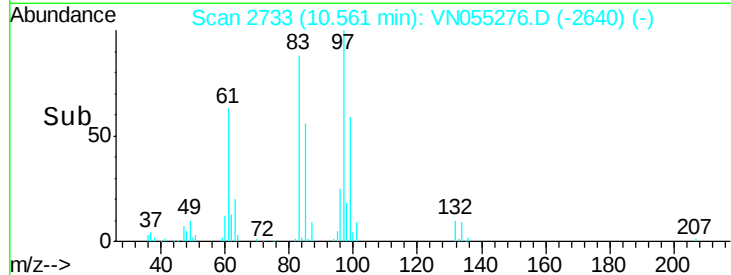
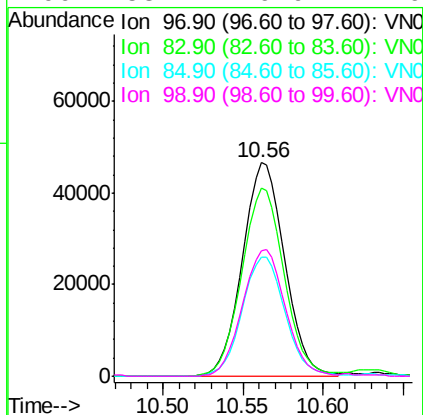
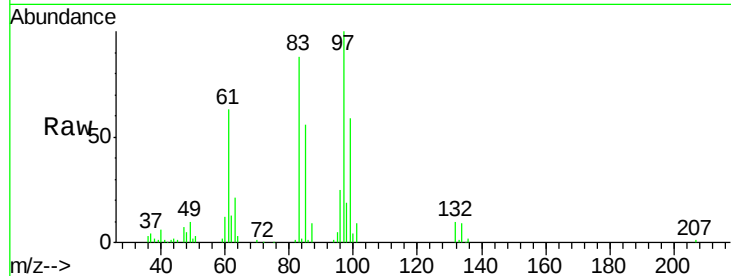
#55
 1,1,2-Trichloroethane
 Concen: 21.404 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion:	97	Resp:	84207
Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.5	107.3
85	55.5	45.8	68.6
99	58.7	49.9	74.9

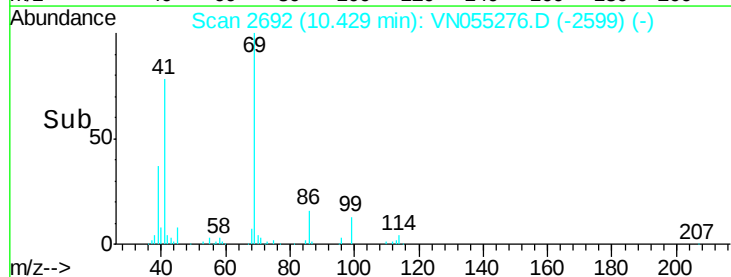
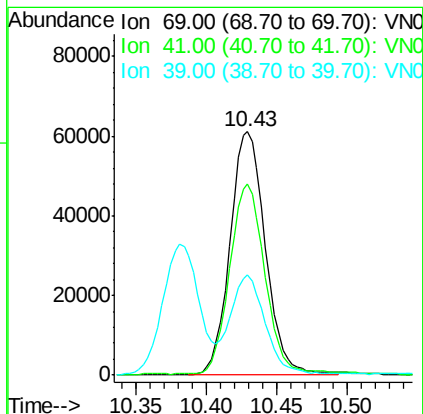
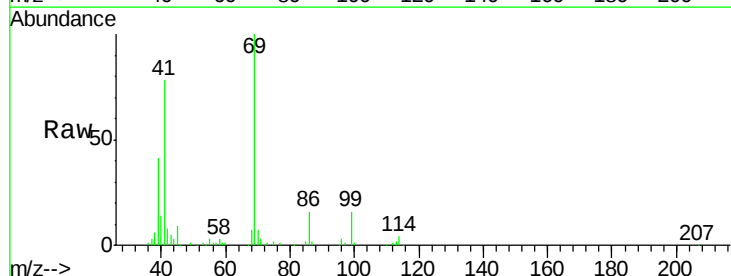
Manual Integrations
 APPROVED

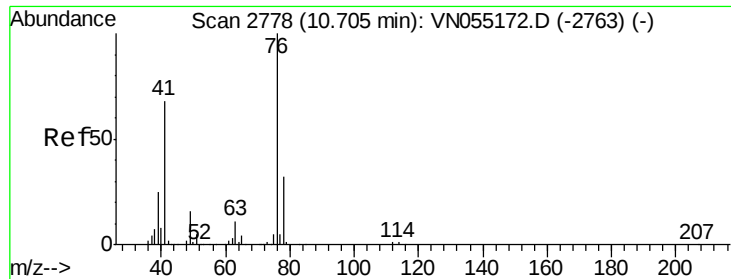
MMDadoda
 4/29/2019 10:57:06 AM



#56
 Ethyl methacrylate
 Concen: 21.982 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion:	69	Resp:	107734
Ion	Ratio	Lower	Upper
69	100		
41	77.1	60.6	90.8
39	39.4	31.7	47.5





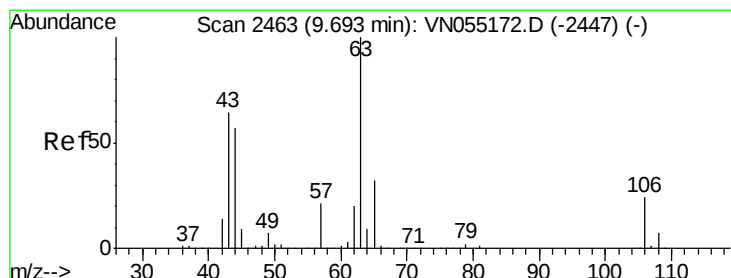
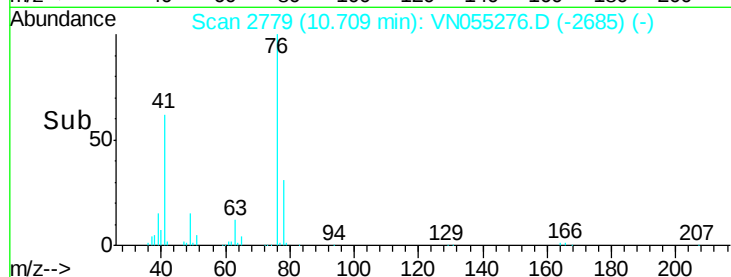
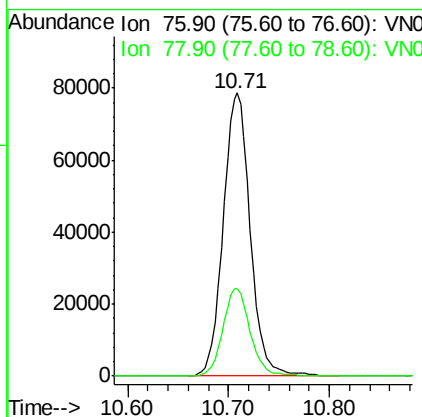
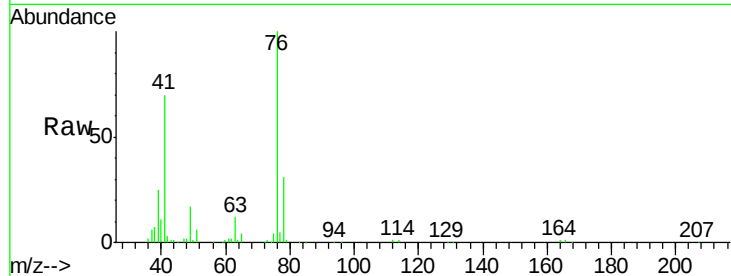
#57
 1,3-Dichloropropane
 Concen: 21.460 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion: 76 Resp: 146892
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.3 37.9

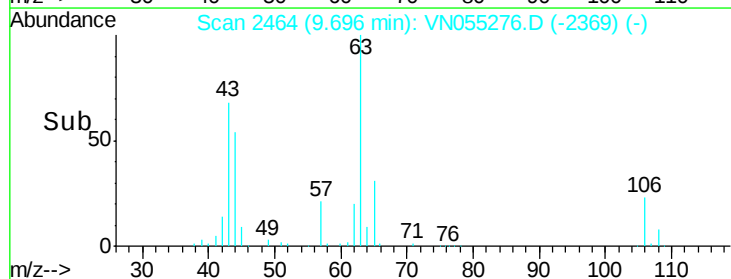
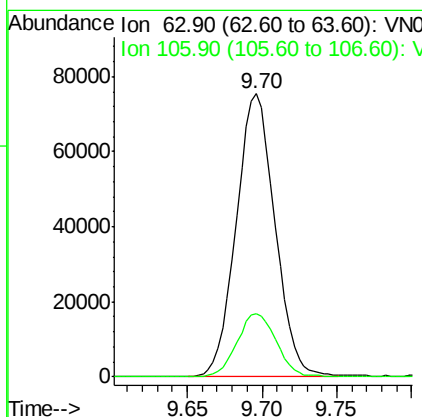
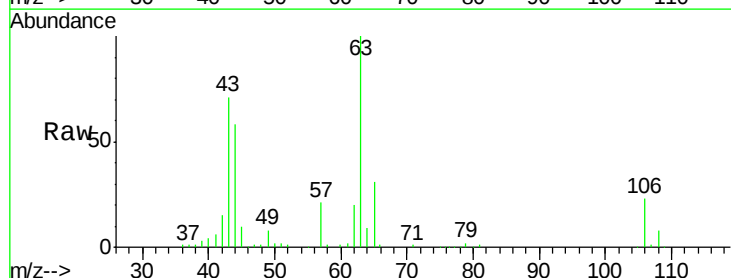
Manual Integrations
 APPROVED

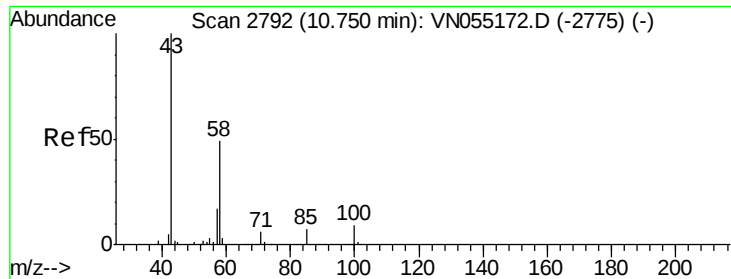
MMDadoda
 4/29/2019 10:57:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.204 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion: 63 Resp: 136307
 Ion Ratio Lower Upper
 63 100
 106 22.7 19.4 29.0





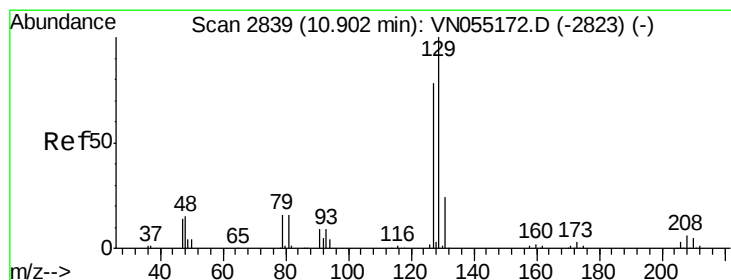
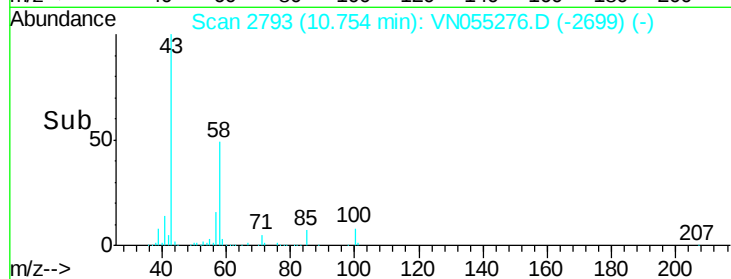
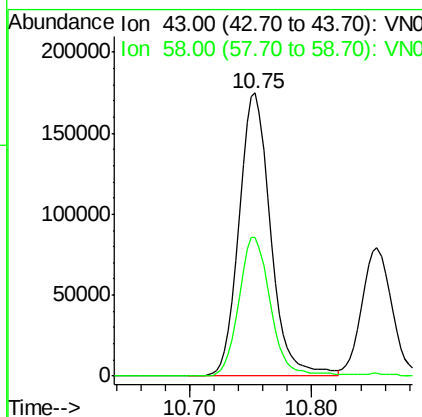
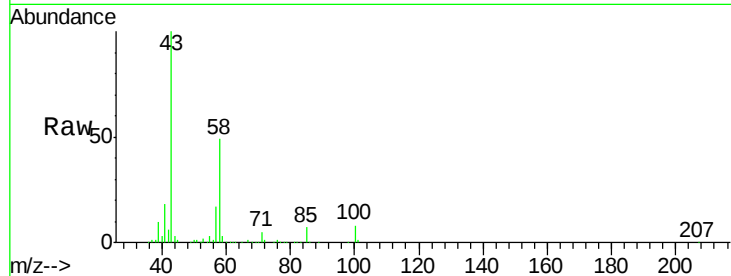
#59
2-Hexanone
Concen: 110.777 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion	43	Resp	310282
Ion Ratio	100	Lower	Upper
43	100		
58	49.5	24.5	73.5

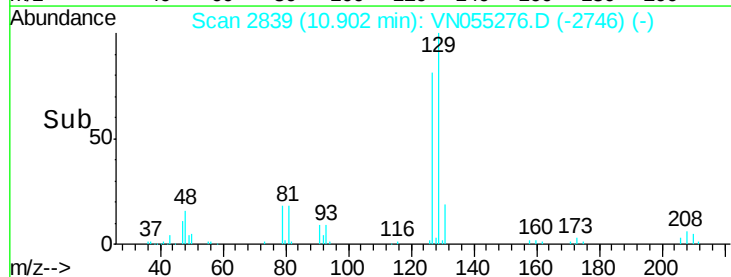
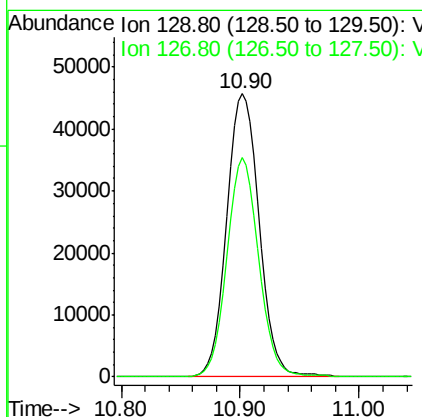
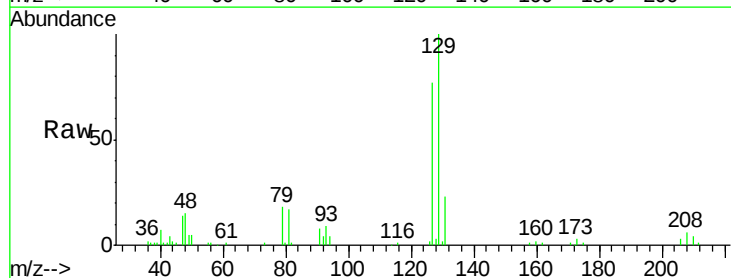
Manual Integrations
APPROVED

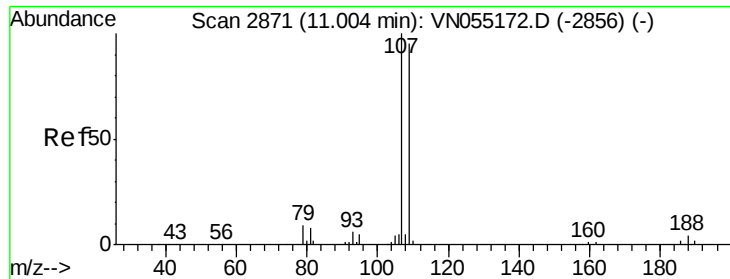
MMDadoda
4/29/2019 10:57:06 AM



#60
Dibromochloromethane
Concen: 21.364 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	129	Resp	86572	
Ion Ratio	129	100	Lower	Upper
129	100			
127	75.5	39.0	117.0	





#61

1,2-Dibromoethane

Concen: 21.212 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 107 Resp: 78461

Ion Ratio Lower Upper

107 100

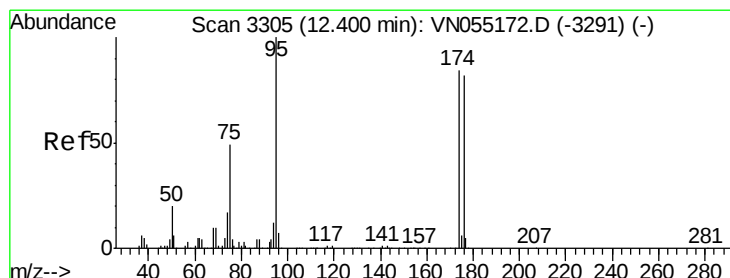
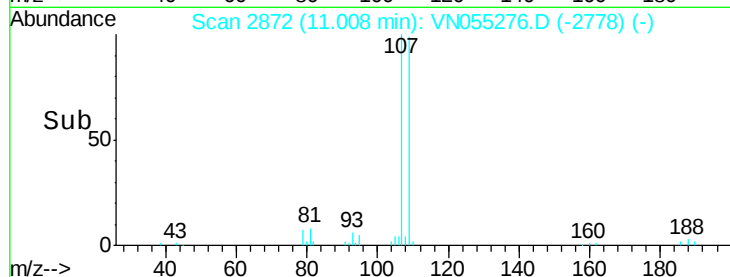
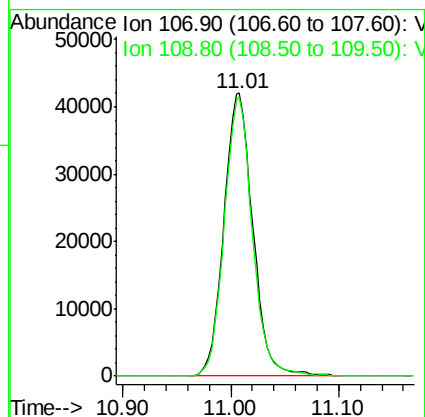
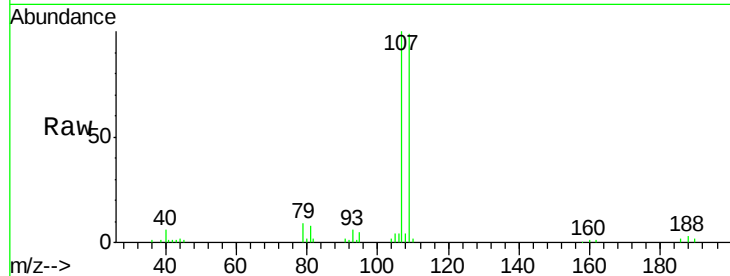
109 95.5 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:57:06 AM



#62

4-Bromofluorobenzene

Concen: 47.958 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

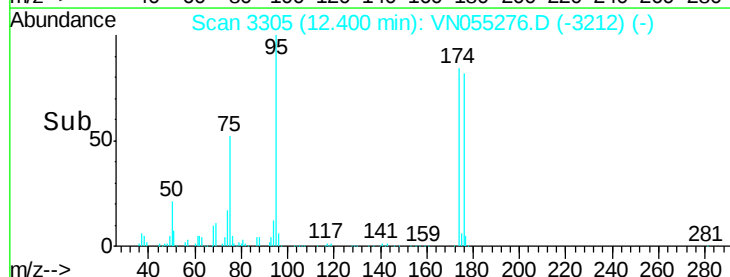
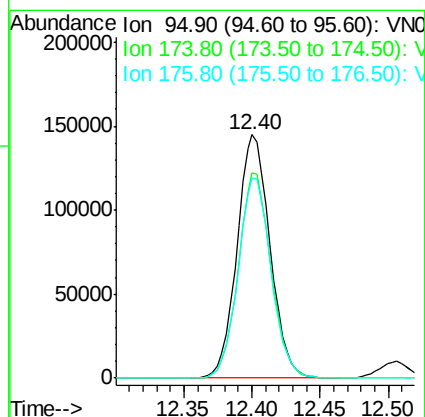
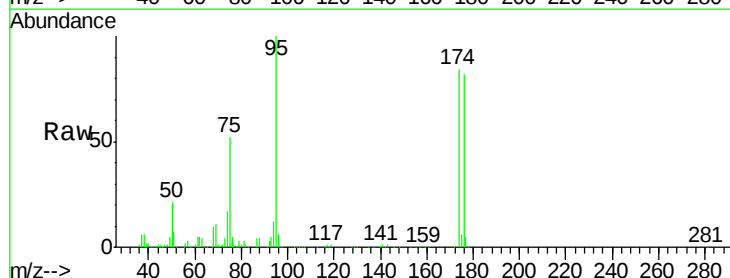
Tgt Ion: 95 Resp: 242864

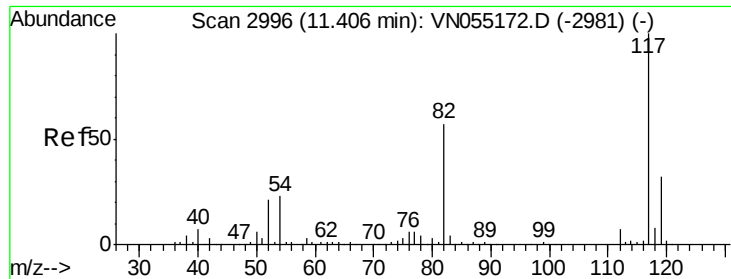
Ion Ratio Lower Upper

95 100

174 83.4 0.0 168.4

176 82.1 0.0 164.0





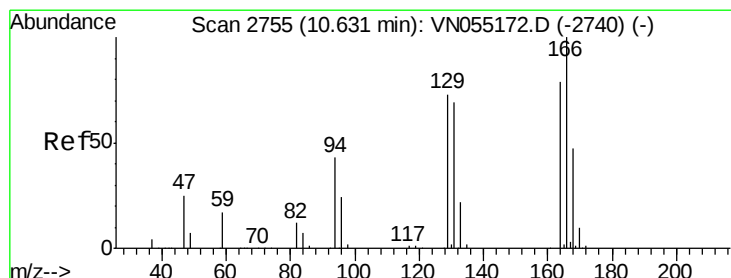
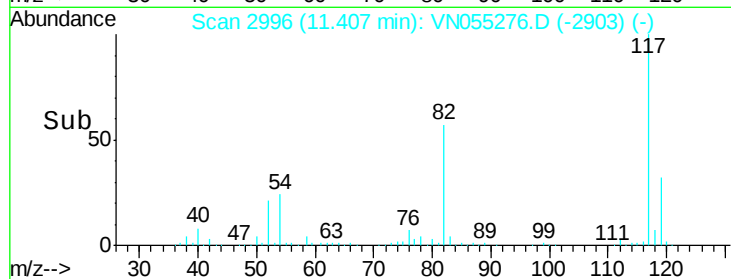
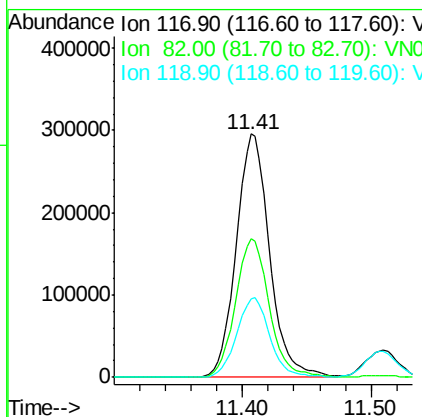
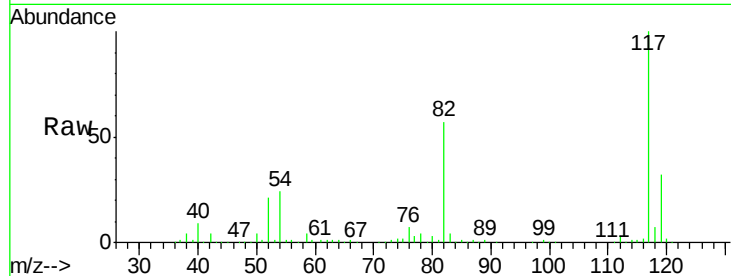
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.7	68.5
119	32.5	25.4	38.2

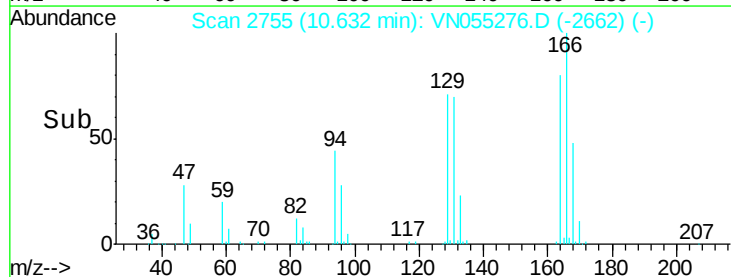
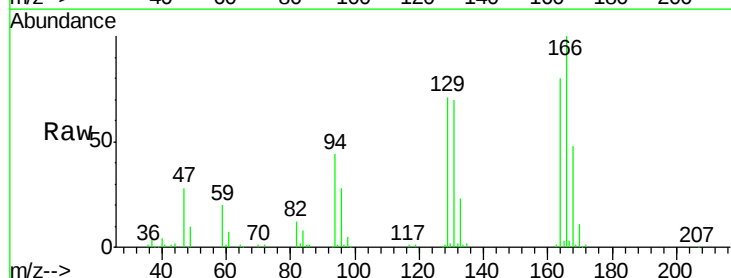
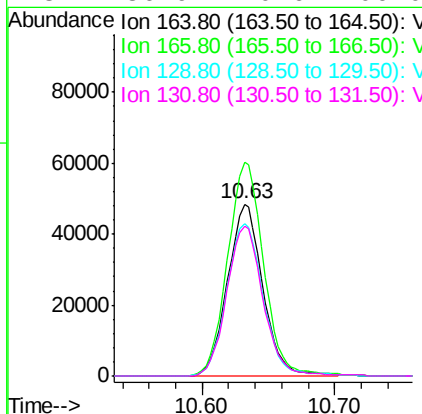
Manual Integrations
APPROVED

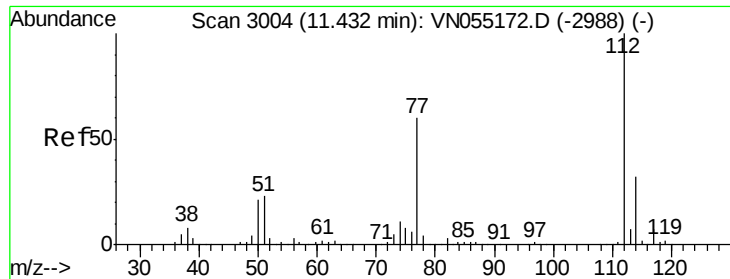
MMDadoda
4/29/2019 10:57:06 AM



#64
Tetrachloroethene
Concen: 20.637 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	101.9	152.9
129	88.7	74.1	111.1
131	86.9	70.6	106.0





#65

Chlorobenzene

Concen: 20.273 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion:112 Resp: 219974

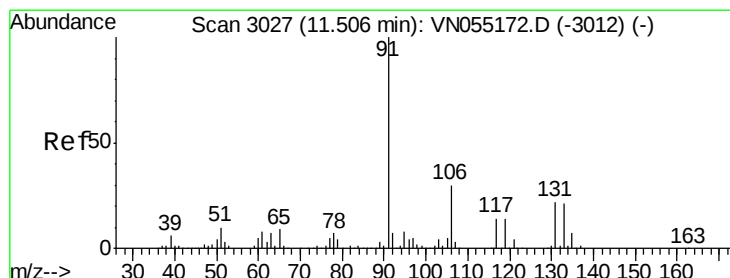
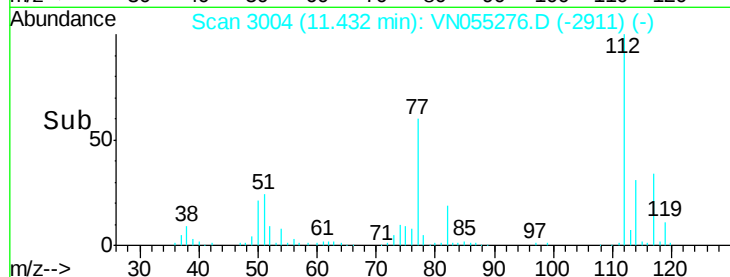
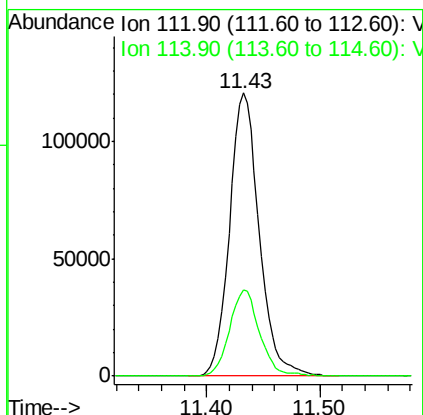
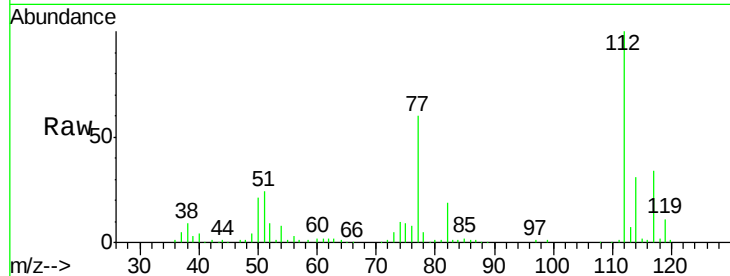
Ion Ratio Lower Upper

112 100

114 30.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.566 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

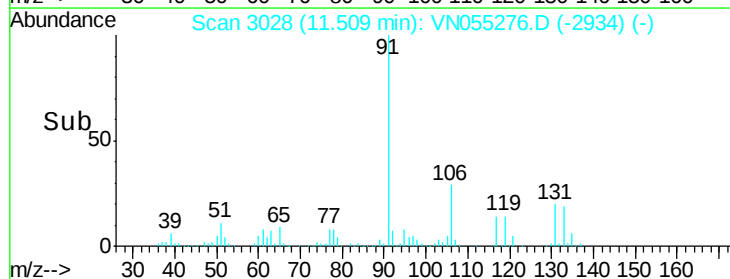
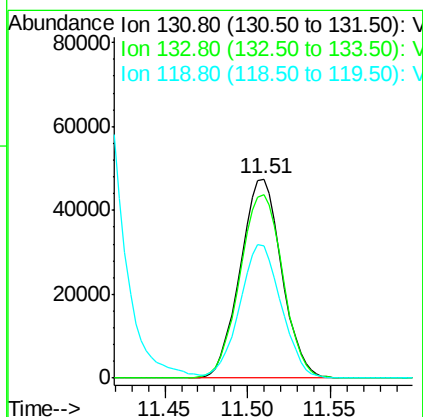
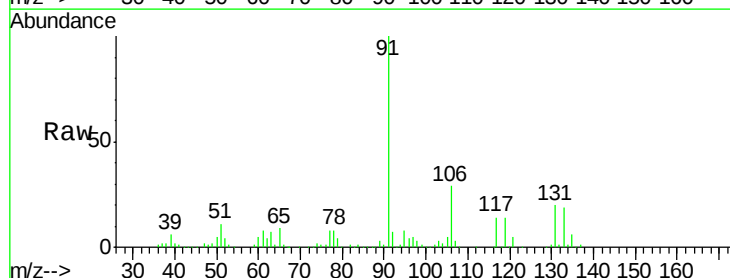
Tgt Ion:131 Resp: 82710

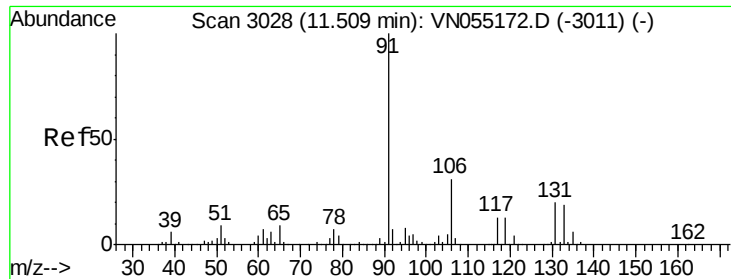
Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

119 67.2 33.2 99.6





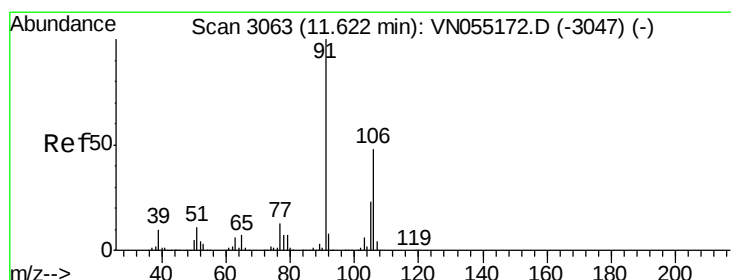
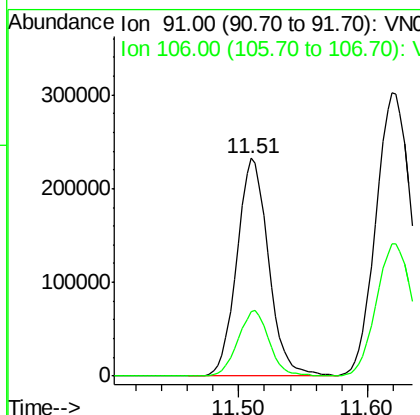
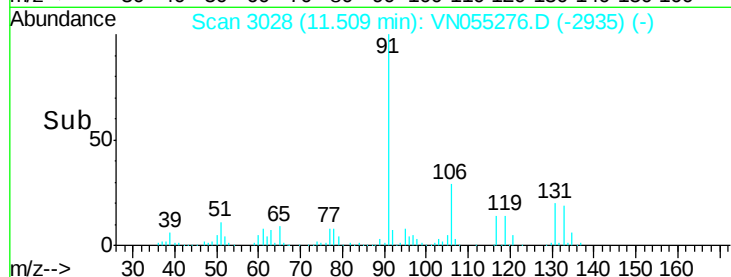
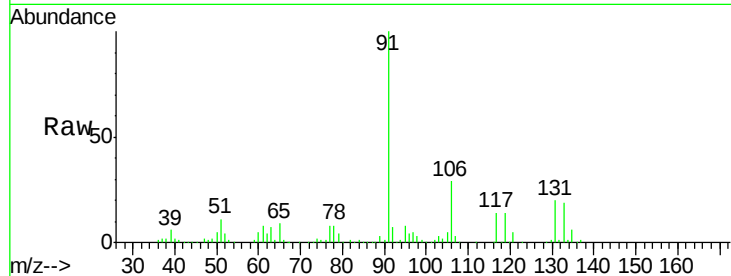
#67
Ethyl Benzene
Concen: 20.556 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0427WBSD01

Tot Ion: 91 Resp: 397319
Ion Ratio Lower Upper
91 100
106 29.5 24.5 36.7

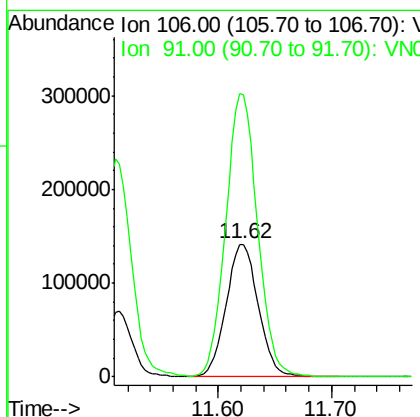
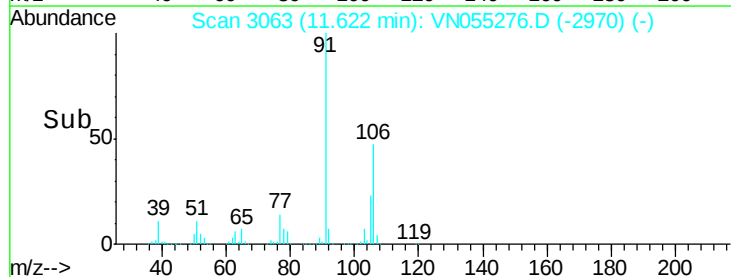
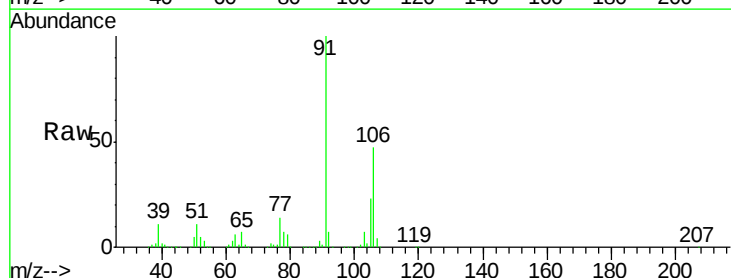
Manual Integrations
APPROVED

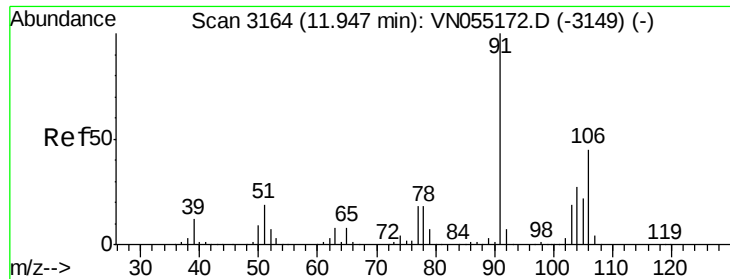
MMDadoda
4/29/2019 10:57:06 AM



#68
m/p-Xylenes
Concen: 40.427 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion: 106 Resp: 280258
Ion Ratio Lower Upper
106 100
91 210.3 167.1 250.7





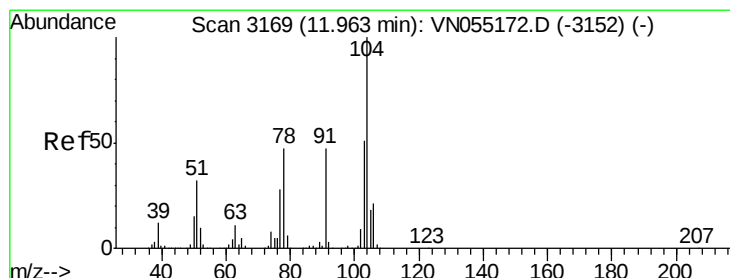
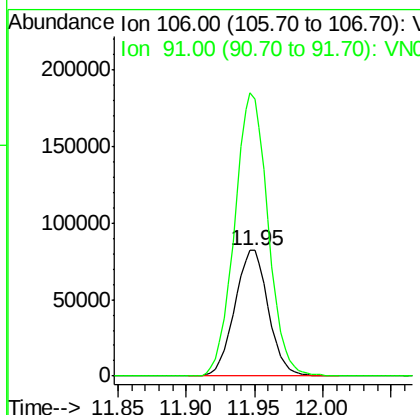
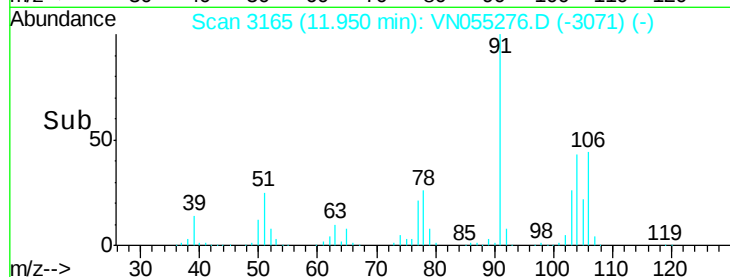
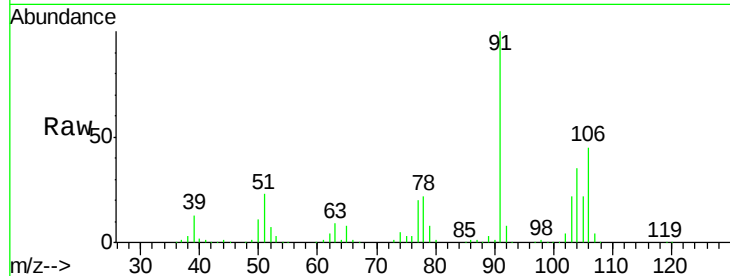
#69
o-Xylene
Concen: 20.458 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampled :
VN0427WBSD01

Tot Ion:106 Resp: 140744
Ion Ratio Lower Upper
106 100
91 223.2 110.6 331.8

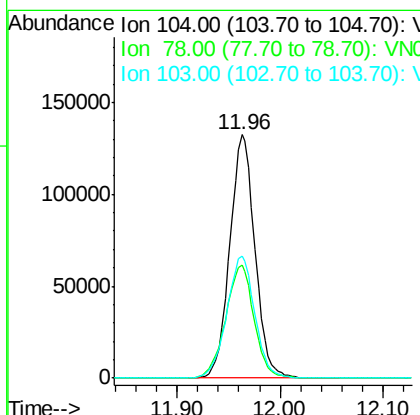
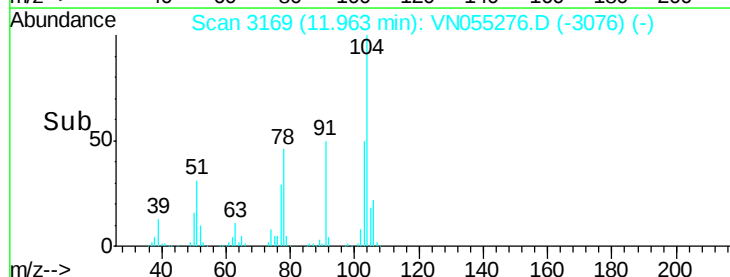
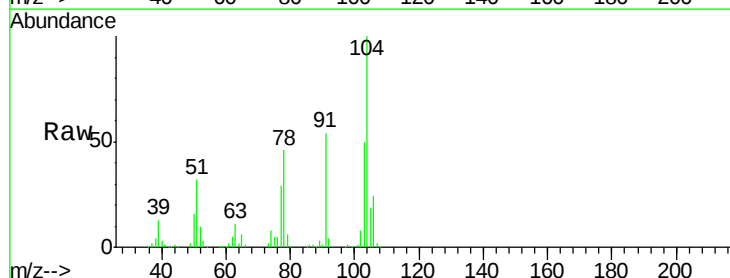
Manual Integrations
APPROVED

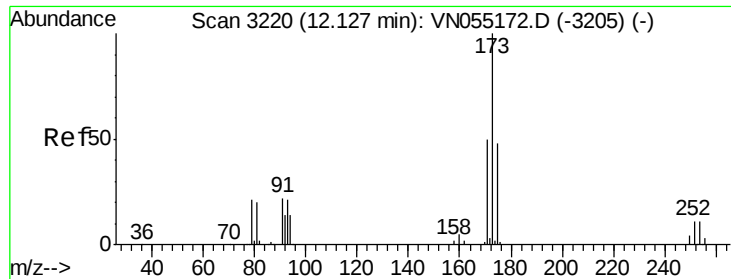
MMDadoda
4/29/2019 10:57:06 AM



#70
Styrene
Concen: 21.119 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion:104 Resp: 225216
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 55.7 44.2 66.4





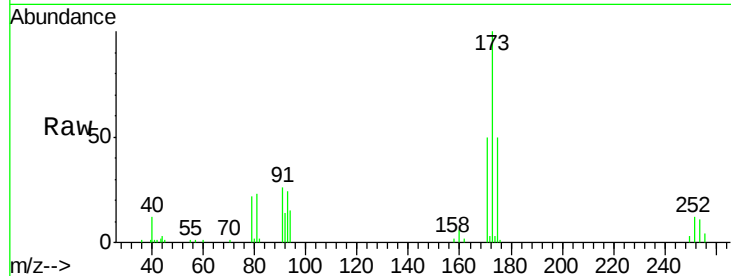
#71
Bromoform
Concen: 21.278 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBSD01

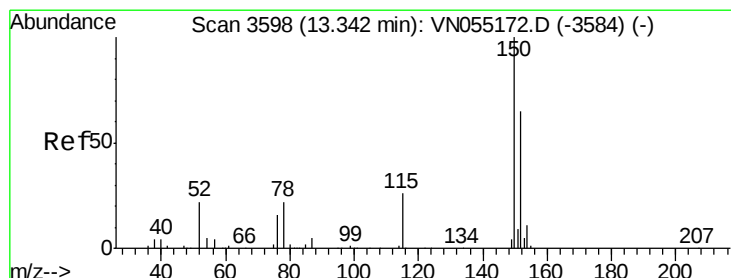
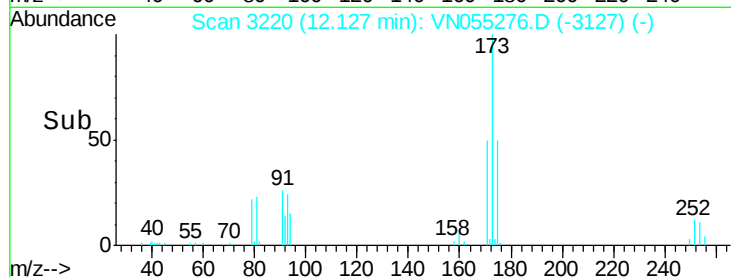
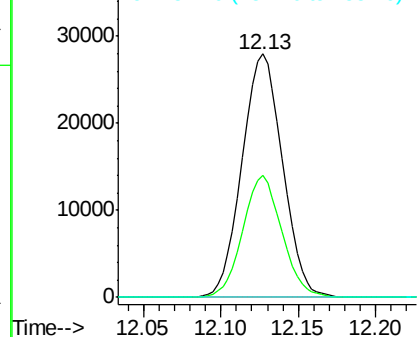
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM

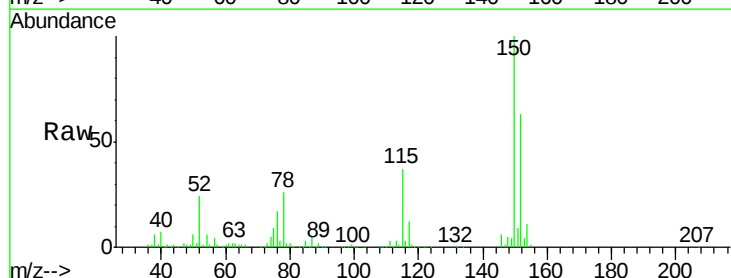


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

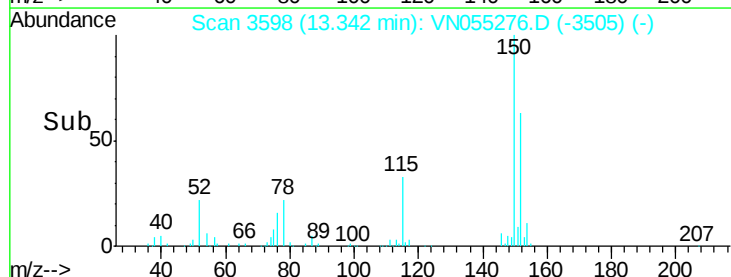
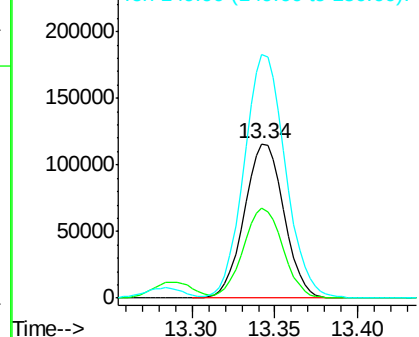


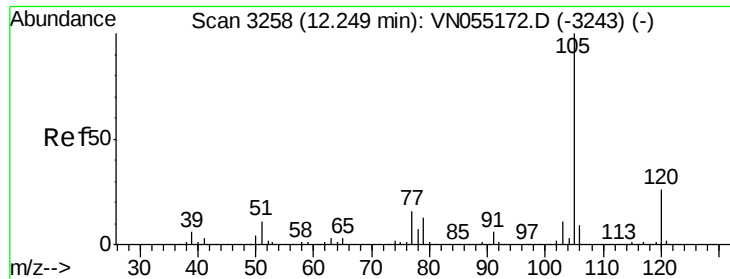
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055276.D
Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.7
150	164.6	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.445 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 105 Resp: 367375

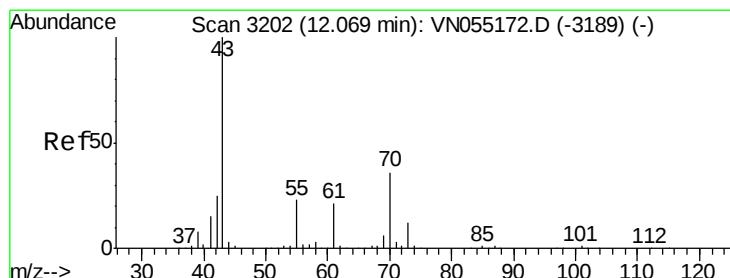
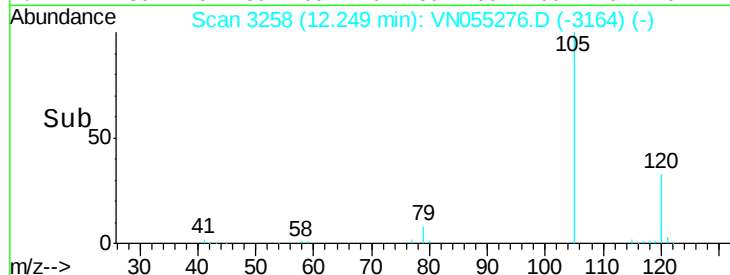
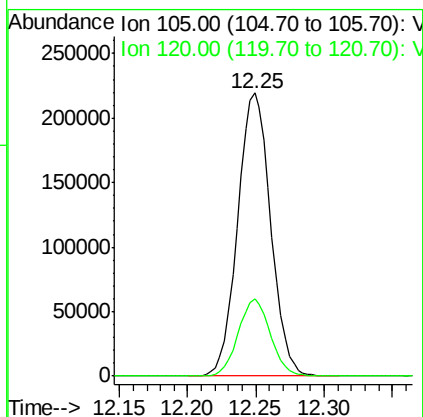
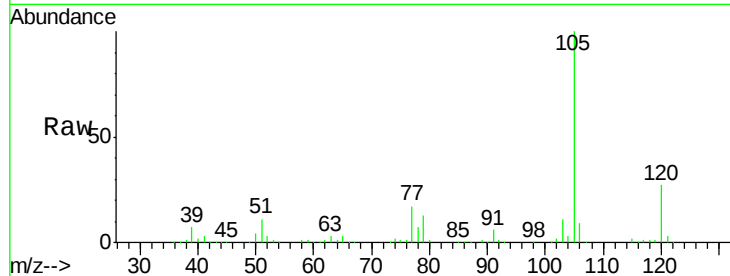
Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#74

N-ethyl acetate

Concen: 22.438 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion: 43 Resp: 111659

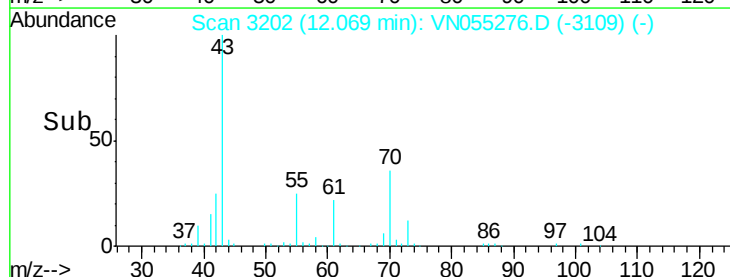
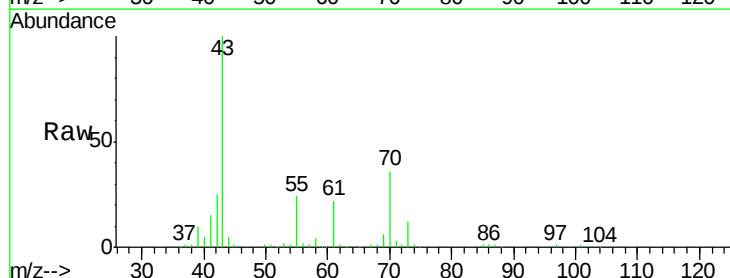
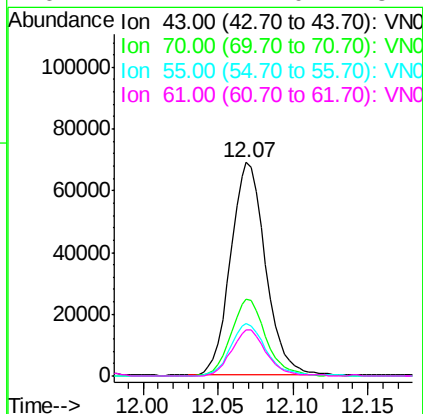
Ion Ratio Lower Upper

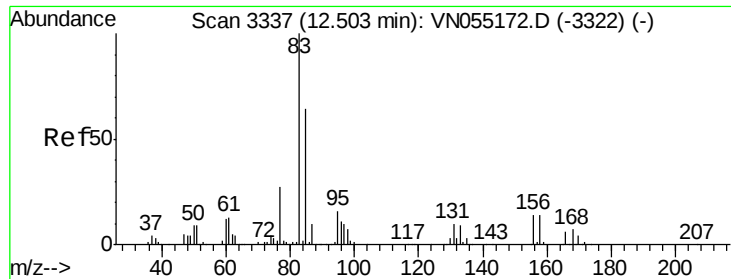
43 100

70 36.0 29.0 43.6

55 25.0 18.5 27.7

61 21.7 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 25.346 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 83 Resp: 104212
Ion Ratio Lower Upper

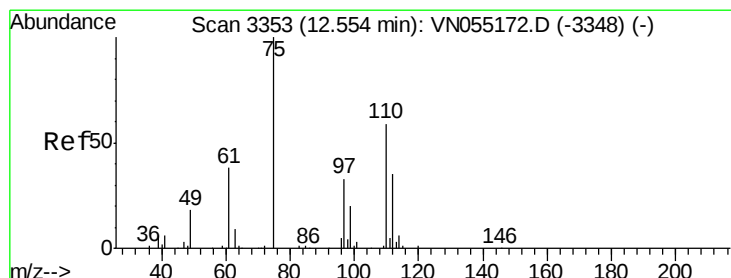
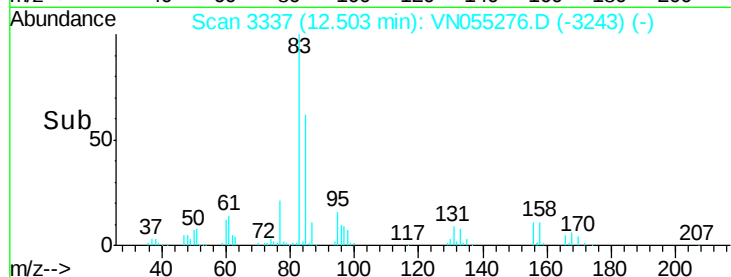
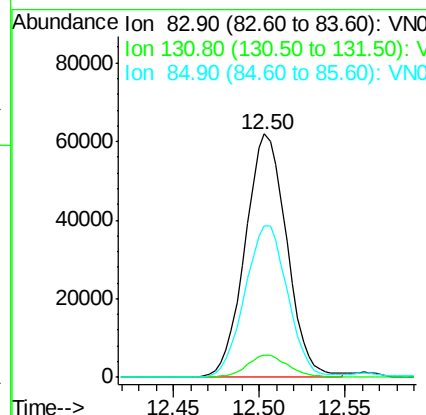
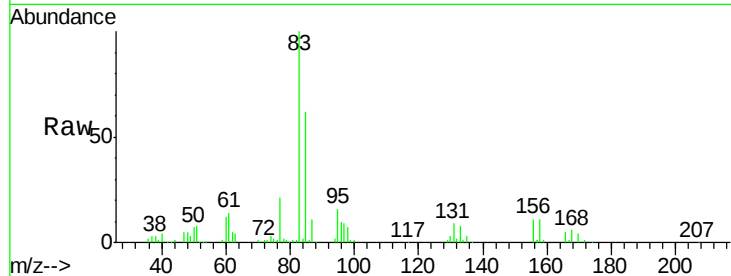
83 100

131 9.2 5.0 15.0

85 63.7 32.1 96.3

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#76

1,2,3-Trichloropropane

Concen: 21.384 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055276.D

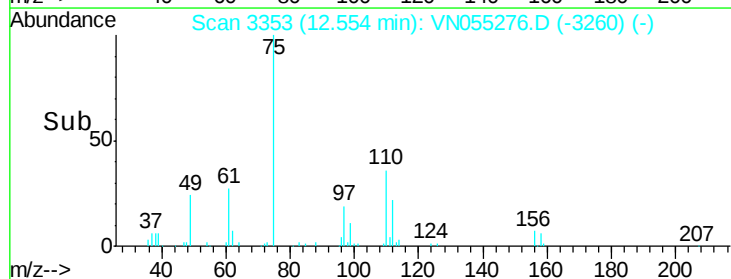
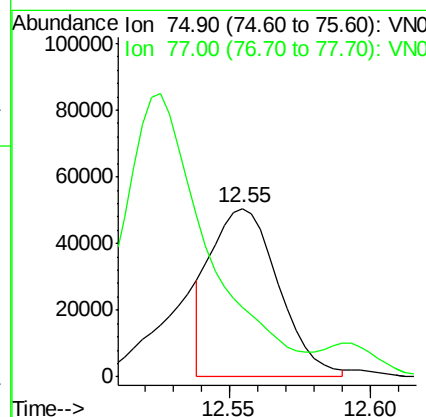
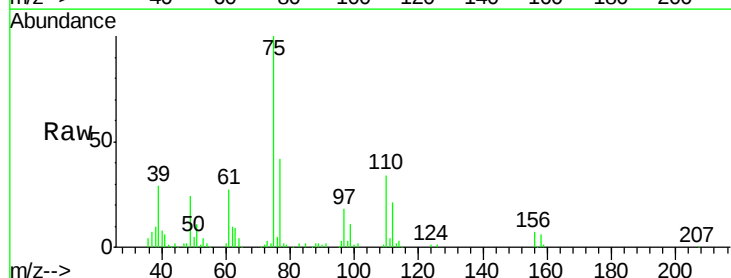
Acq: 26 Apr 2019 15:16

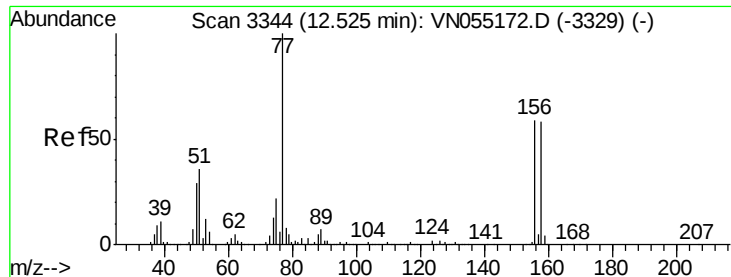
Tgt Ion: 75 Resp: 83732

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.654 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

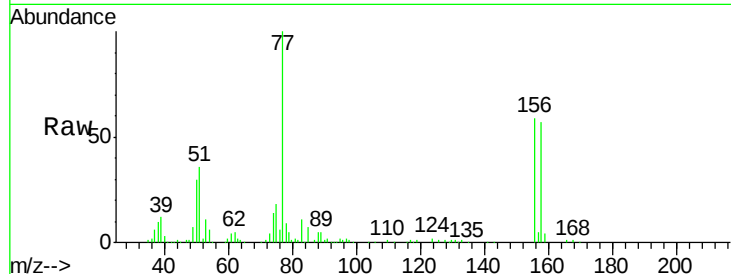
ClientSampleId :

VN0427WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.6	98.0	293.9
158	95.9	48.9	146.8

Manual Integrations
APPROVED

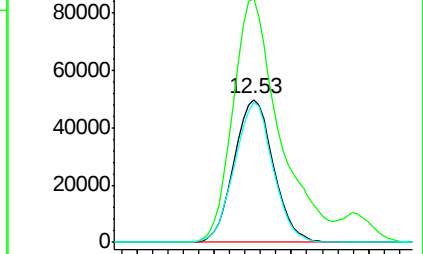
MMDadoda
4/29/2019 10:57:06 AM



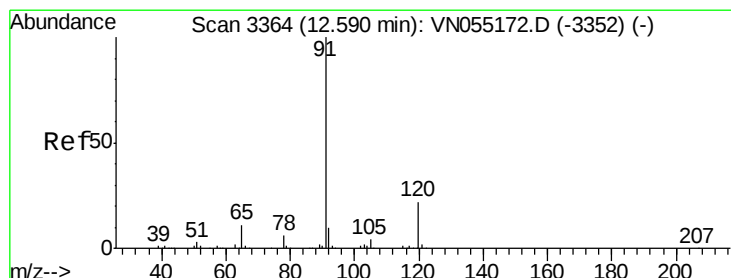
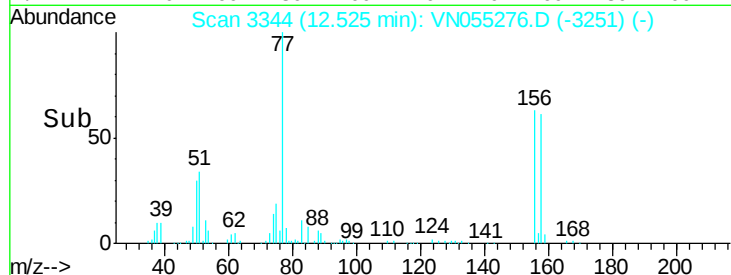
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.167 ug/l

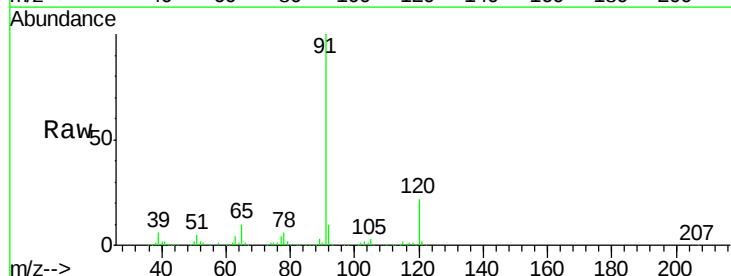
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055276.D

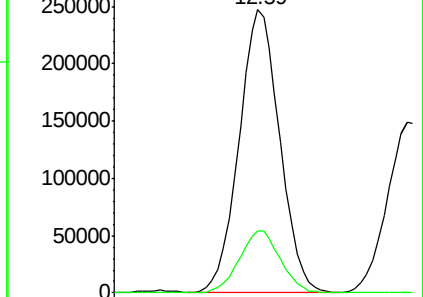
Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.9

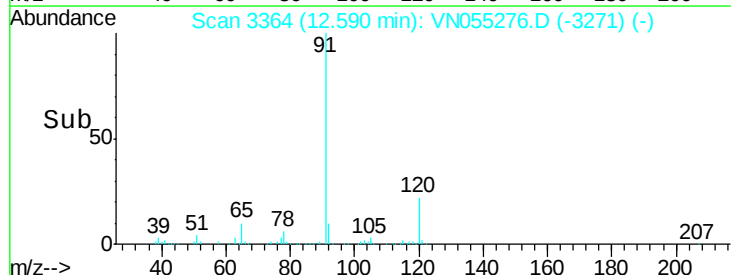


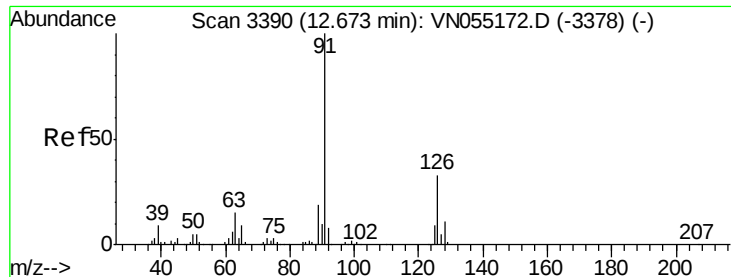
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.416 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion: 91 Resp: 249540

Ion Ratio Lower Upper

91 100

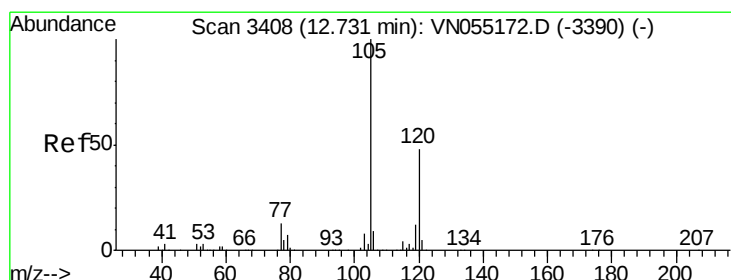
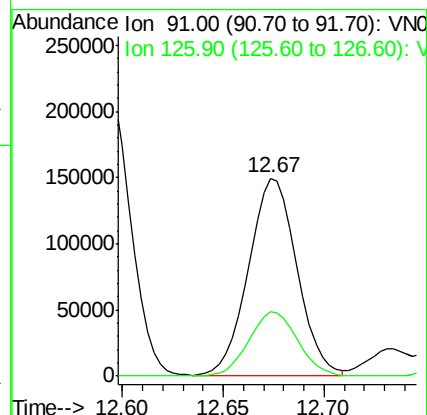
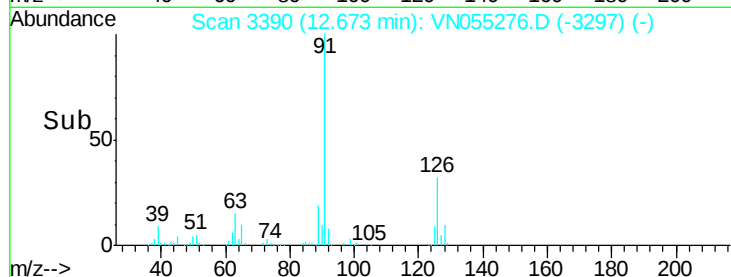
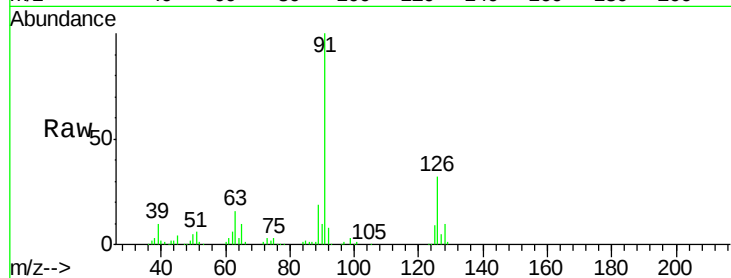
126 33.3 16.8 50.3

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:57:06 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.570 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055276.D

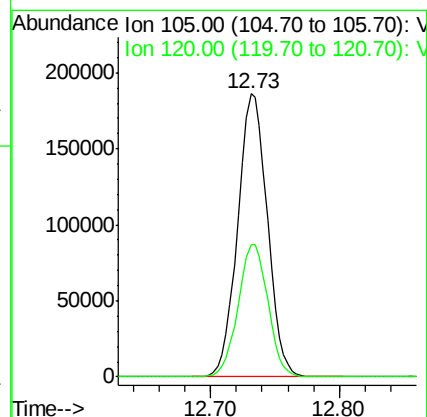
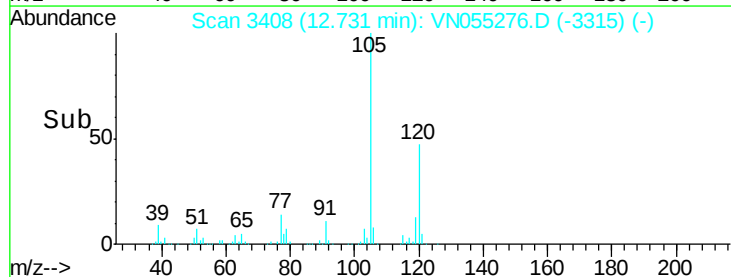
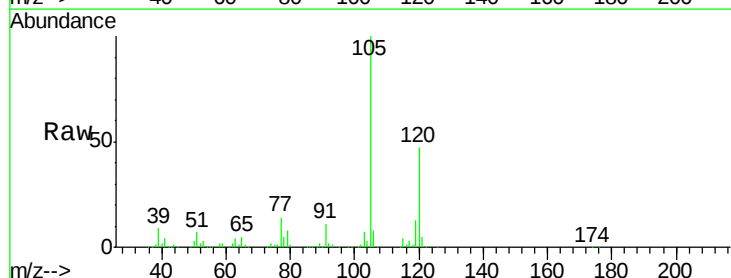
Acq: 26 Apr 2019 15:16

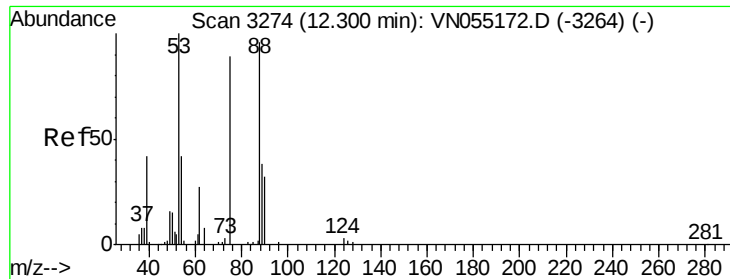
Tgt Ion: 105 Resp: 297212

Ion Ratio Lower Upper

105 100

120 47.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.447 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

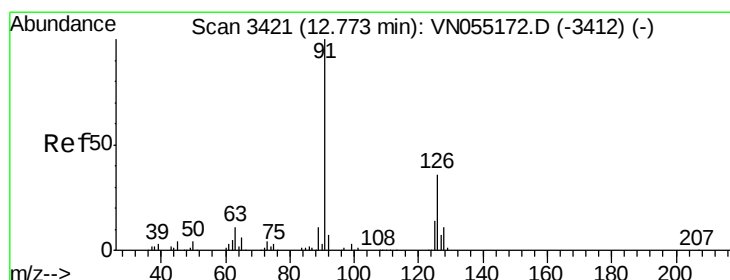
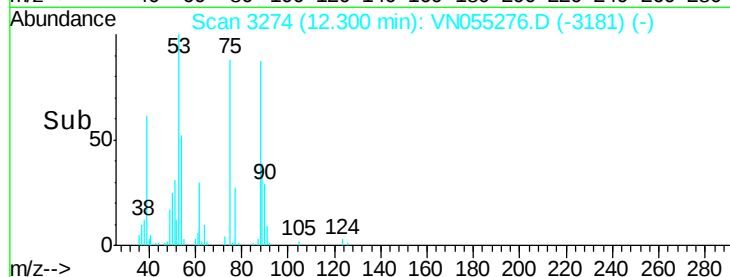
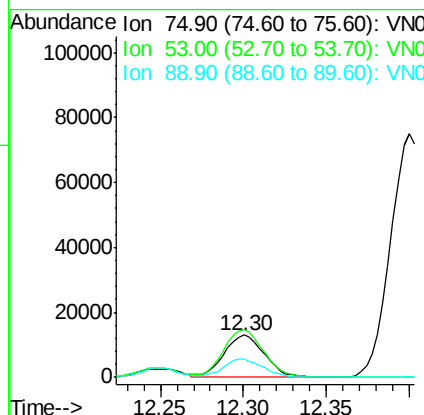
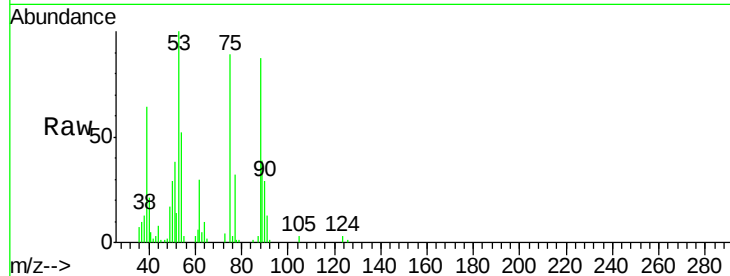
ClientSampleId :

VN0427WBSD01

Tot Ion:	75	Resp:	22154
Ion	Ratio	Lower	Upper
75	100		
53	111.4	90.1	135.1
89	42.5	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#82

4-Chlorotoluene

Concen: 20.086 ug/l

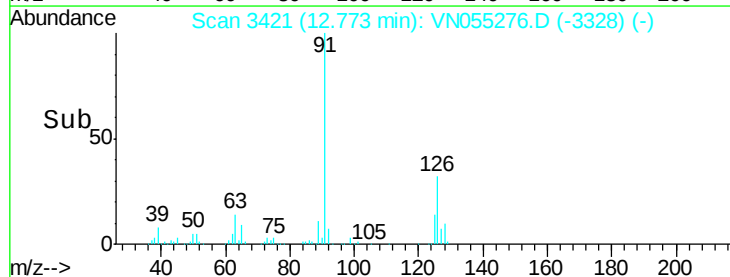
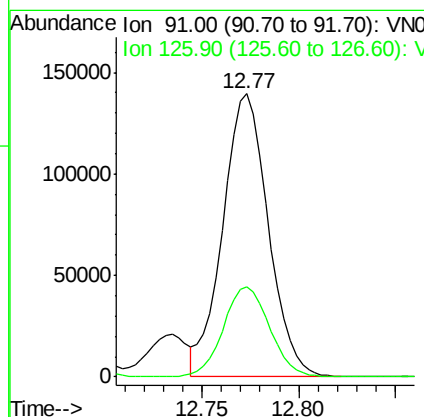
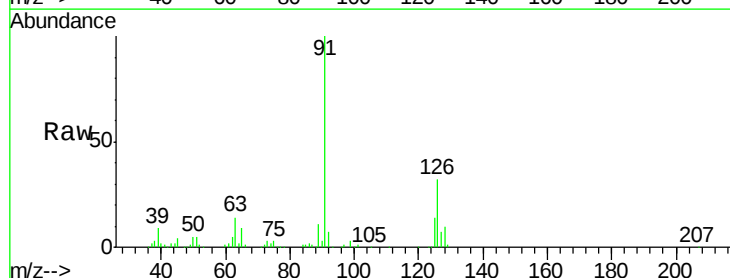
RT: 12.77 min Scan# 3421

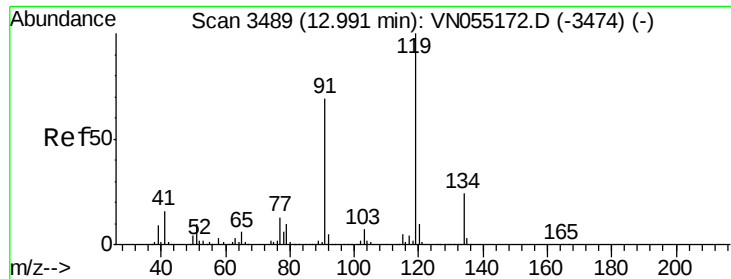
Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion:	91	Resp:	225883
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.5	49.5





#83

tert-Butylbenzene

Concen: 22.212 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

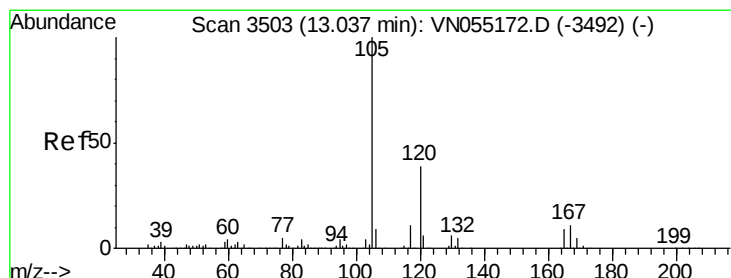
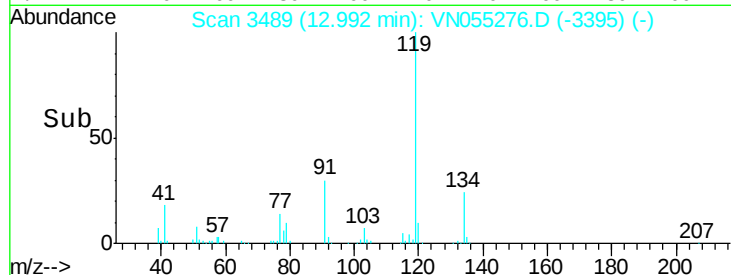
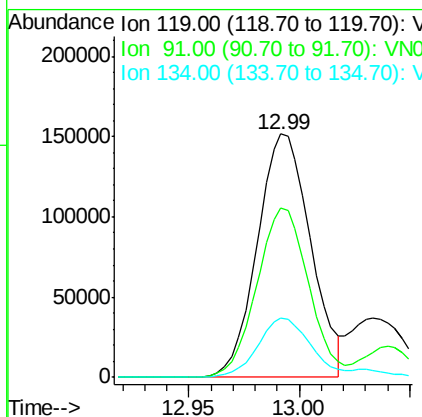
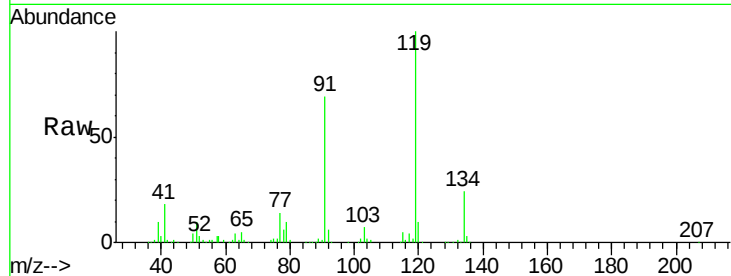
ClientSampleId :

VN0427WBSD01

Tot Ion:	119	Resp:	254426
Ion Ratio	Lower	Upper	
119	100		
91	67.5	33.8	101.3
134	24.3	13.2	39.5

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.052 ug/l

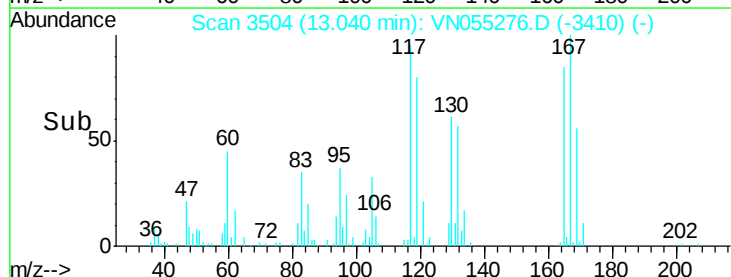
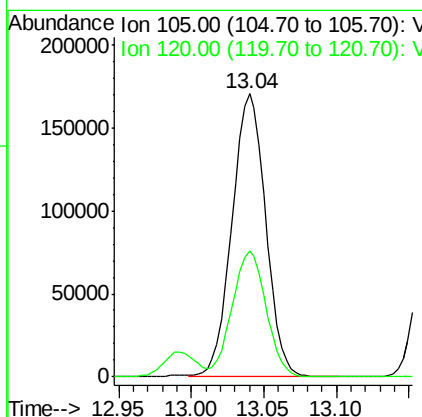
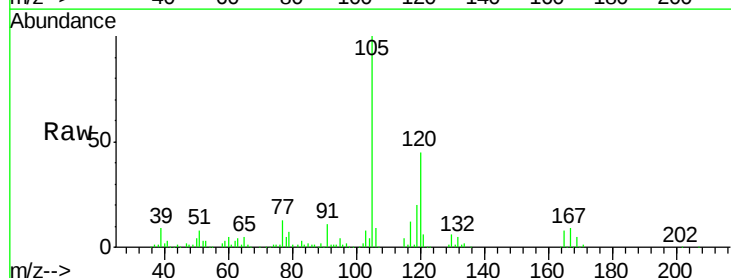
RT: 13.04 min Scan# 3504

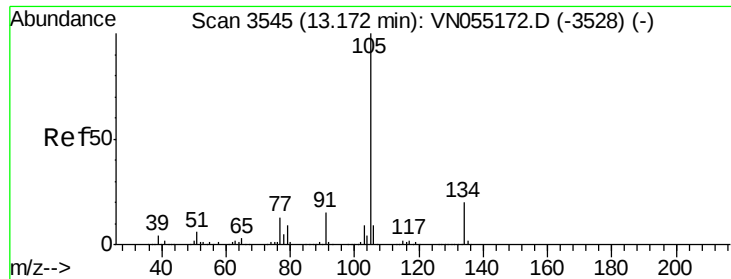
Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion:	105	Resp:	273407
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.379 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBSD01

Tot Ion:105 Resp: 316777

Ion Ratio Lower Upper

105 100

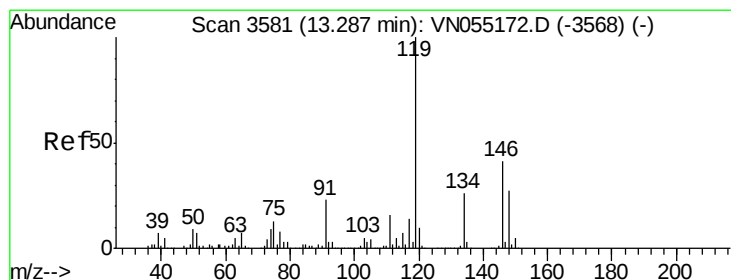
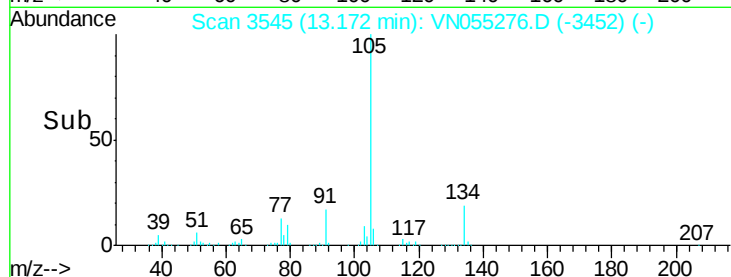
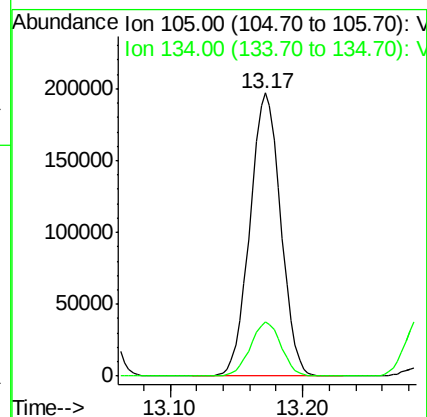
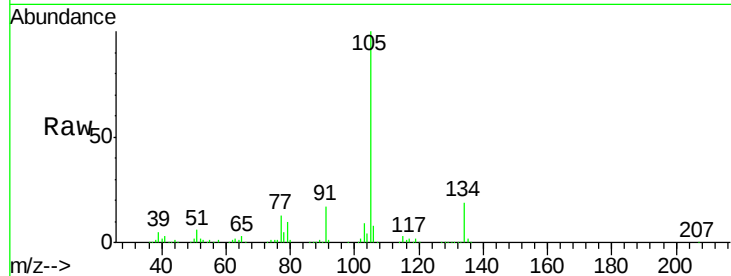
134 19.3 10.0 30.0

Manual Integrations

APPROVED

MMDadoda

4/29/2019 10:57:06 AM



#86

p-Isopropyltoluene

Concen: 19.272 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

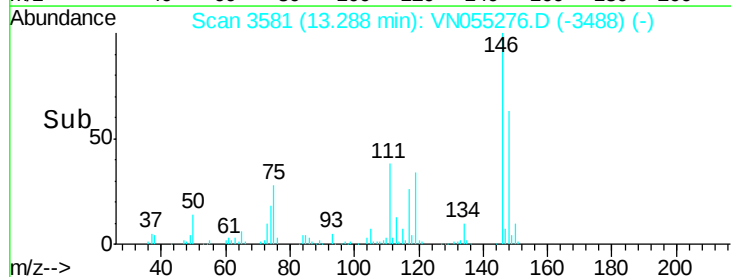
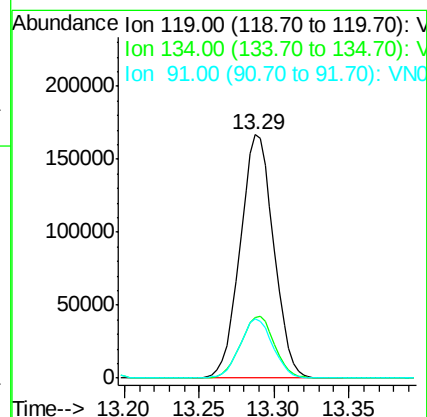
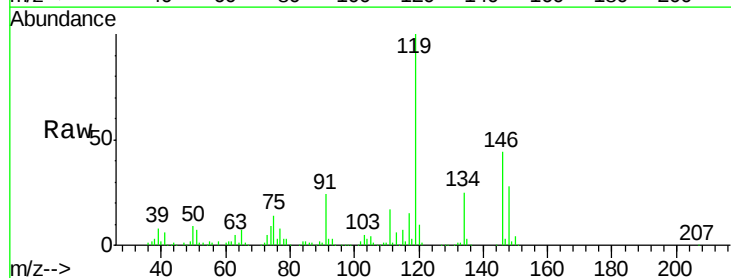
Tgt Ion:119 Resp: 259539

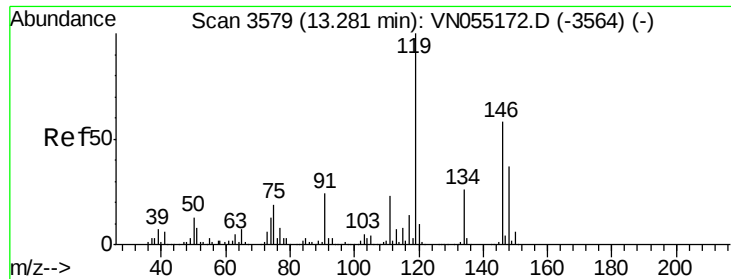
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 23.9 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 20.366 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

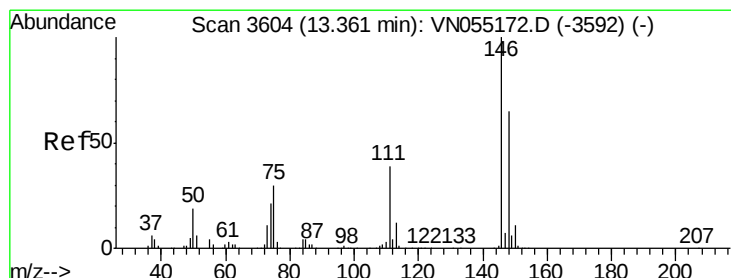
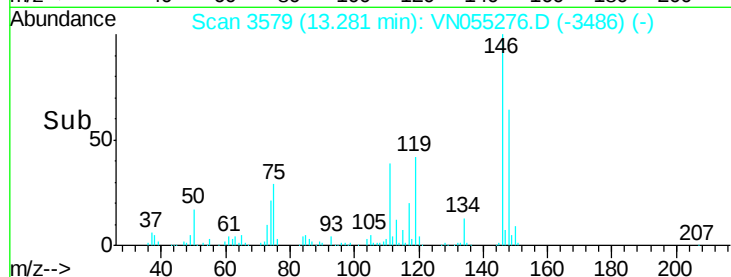
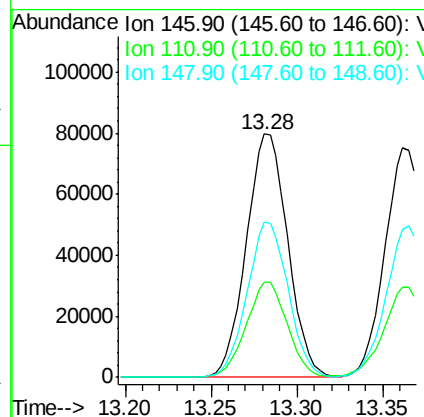
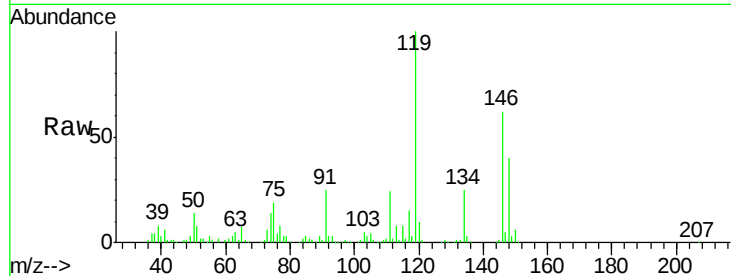
ClientSampleId :

VN0427WBSD01

Tot Ion:	146	Resp:	133219
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.7	59.1
148	63.1	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#88

1,4-Dichlorobenzene

Concen: 19.519 ug/l

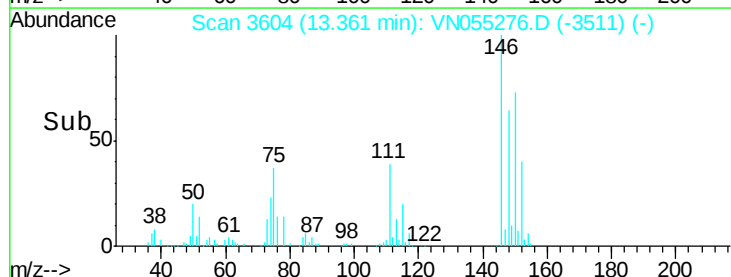
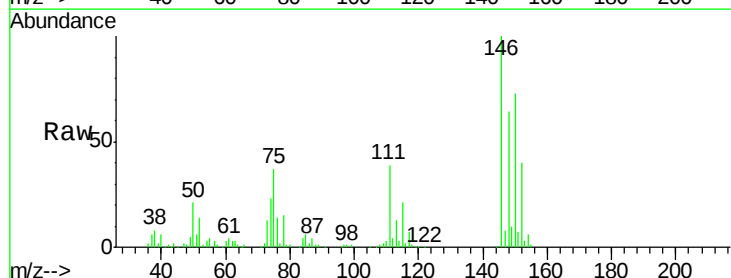
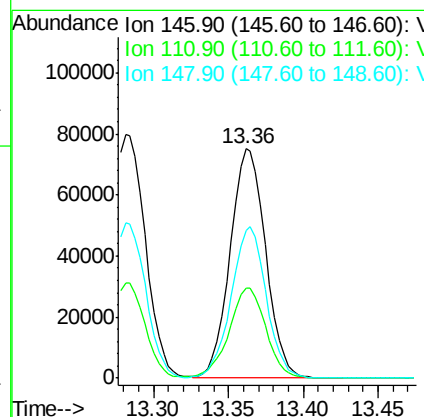
RT: 13.36 min Scan# 3604

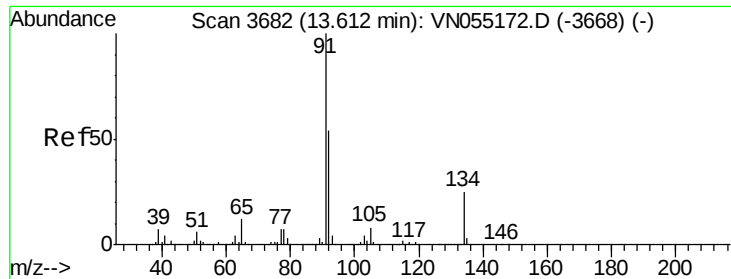
Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion:	146	Resp:	124302
Ion Ratio	Lower	Upper	
146	100		
111	41.0	19.4	58.2
148	65.3	32.9	98.6





#89

n-Butylbenzene

Concen: 17.655 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

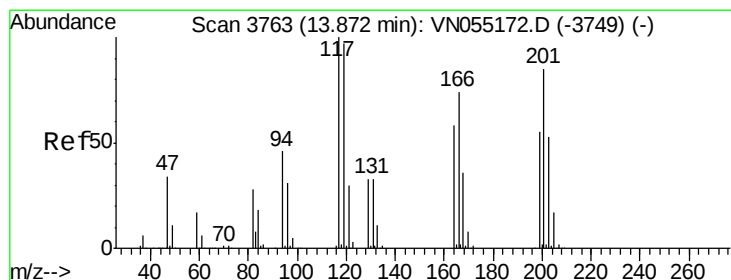
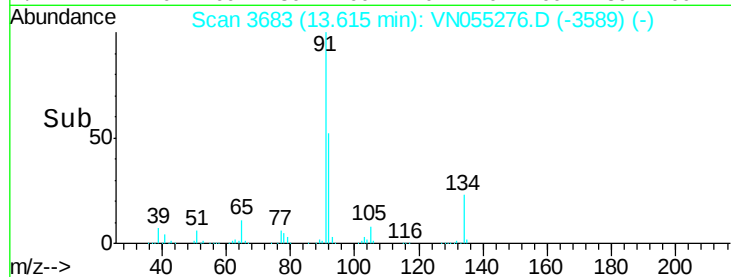
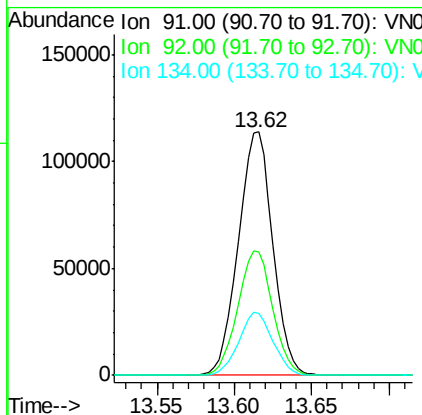
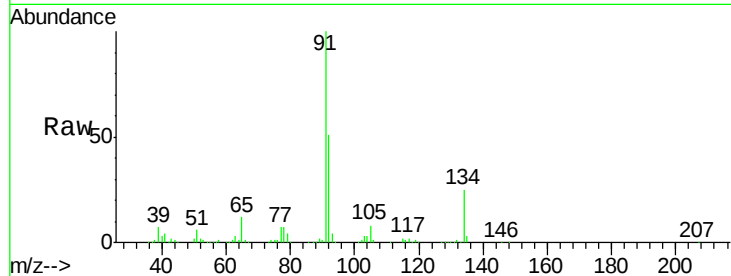
ClientSampleId :

VN0427WBSD01

Tot Ion:	91	Resp:	176231
Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.4	79.2
134	25.5	12.8	38.4

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#90

Hexachloroethane

Concen: 18.665 ug/l

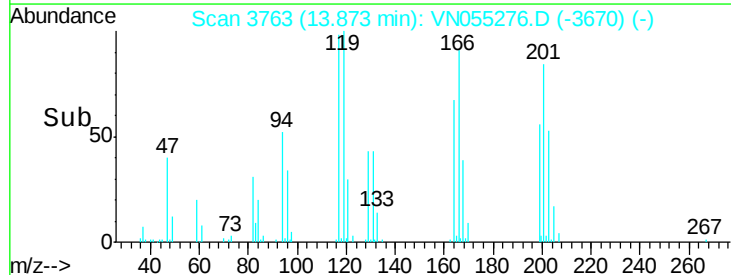
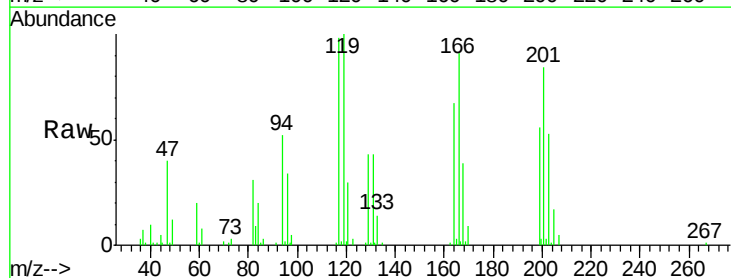
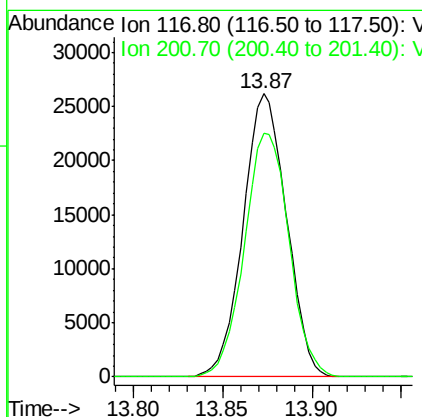
RT: 13.87 min Scan# 3763

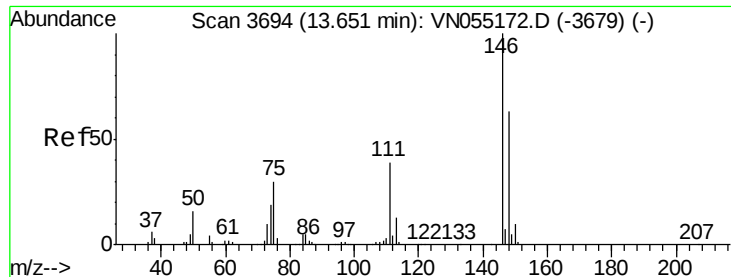
Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion:	117	Resp:	44581
Ion	Ratio	Lower	Upper
117	100		
201	88.6	43.1	129.4





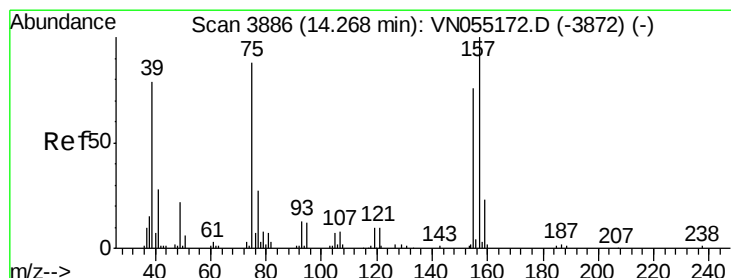
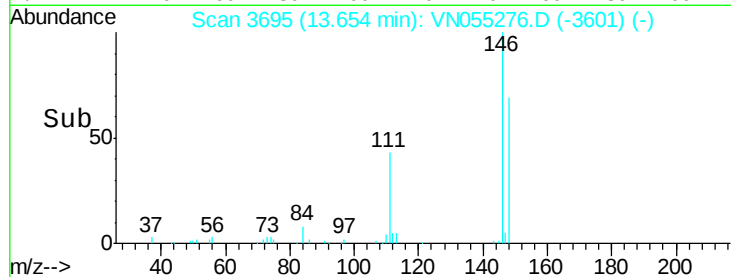
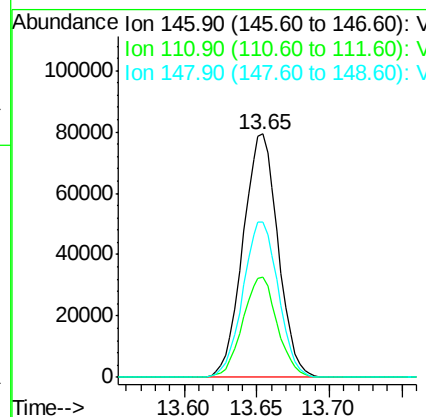
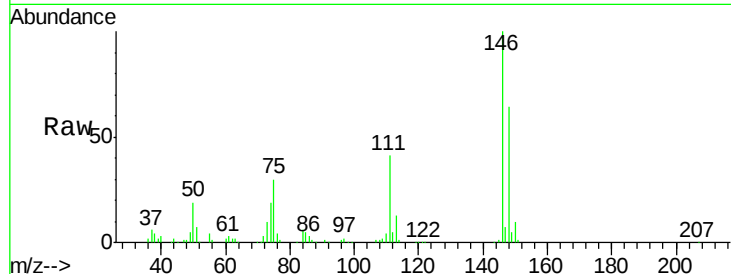
#91
 1,2-Dichlorobenzene
 Concen: 19.827 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.8	59.3
148	64.5	31.7	95.1

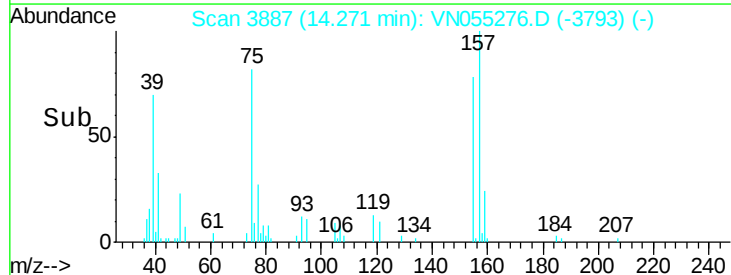
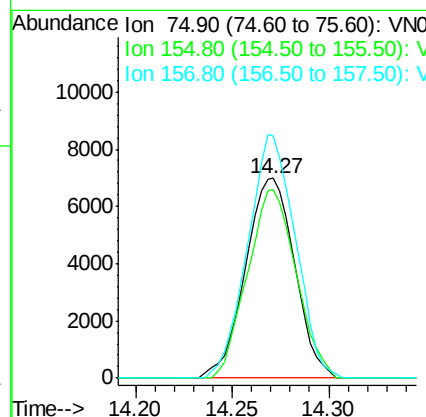
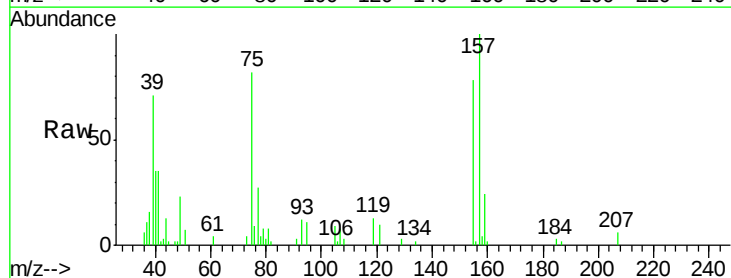
Manual Integrations
 APPROVED

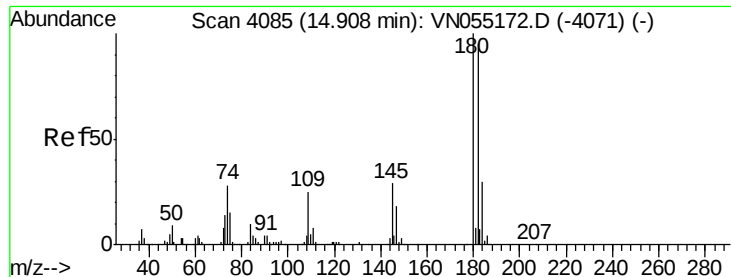
MMDadoda
 4/29/2019 10:57:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.068 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	43.0	129.0
157	118.3	55.7	167.1





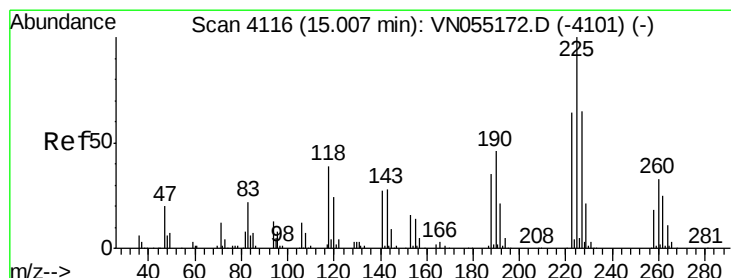
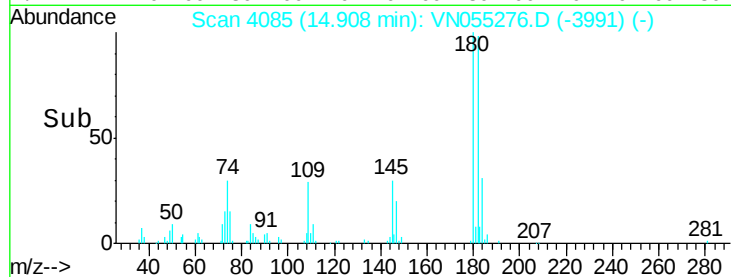
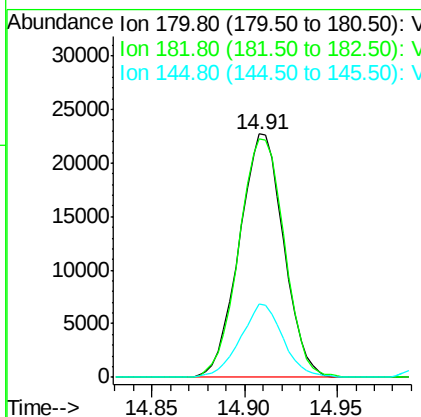
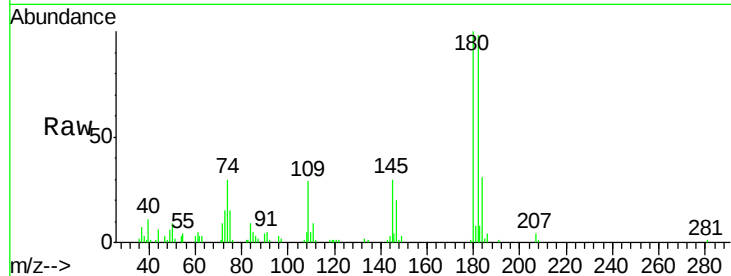
#93
 1,2,4-Trichlorobenzene
 Concen: 15.380 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	47.8	143.4
145	28.9	14.5	43.5

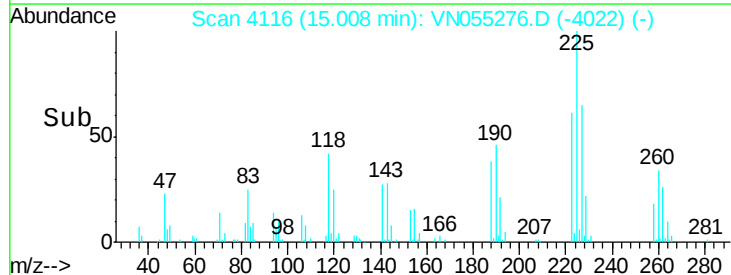
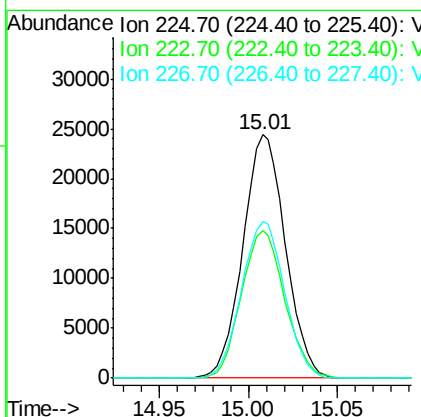
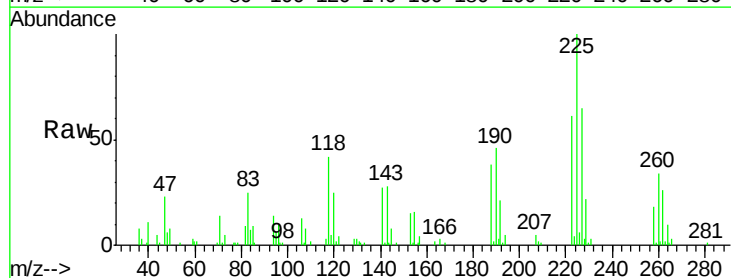
Manual Integrations
 APPROVED

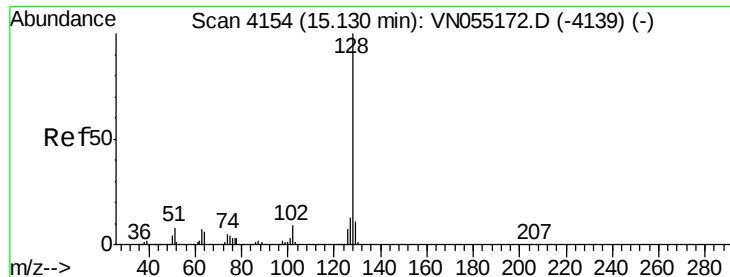
MMDadoda
 4/29/2019 10:57:06 AM



#94
 Hexachlorobutadiene
 Concen: 19.437 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055276.D
 Acq: 26 Apr 2019 15:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.2	96.6
227	65.2	32.6	98.0





#95

Naphthalene

Concen: 16.993 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Instrument :

MSVOA_N

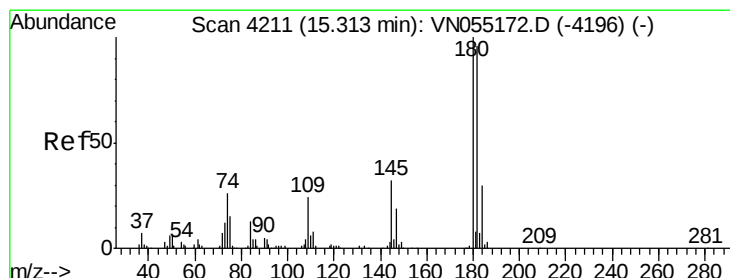
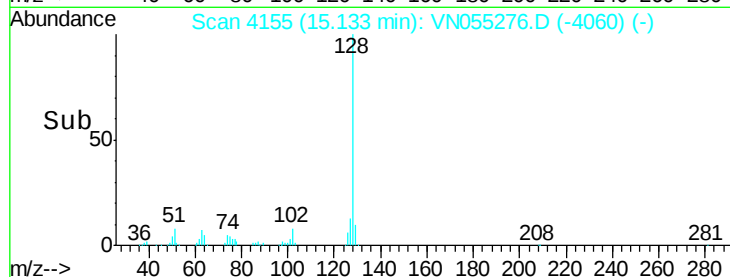
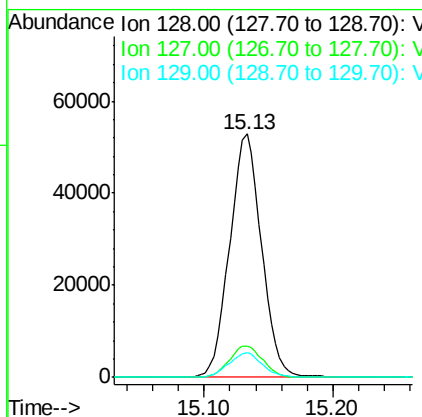
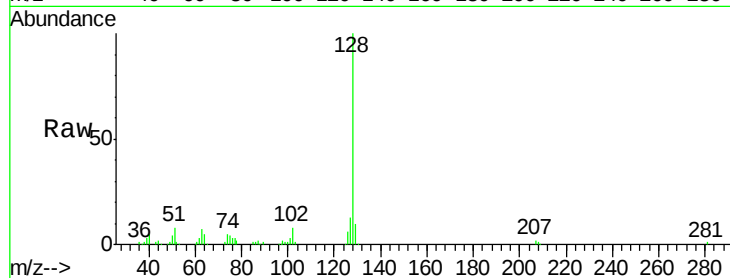
ClientSampleId :

VN0427WBSD01

Tot Ion:	128	Resp:	90540
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.3	15.5
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/29/2019 10:57:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.696 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055276.D

Acq: 26 Apr 2019 15:16

Tgt Ion:	180	Resp:	42902
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.2	141.6
145	30.8	15.4	46.1

