

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052465.D
 Acq On : 26 Nov 2018 18:04
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:16 PM

Quant Time: Nov 27 01:12:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	172564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1000141	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	867355	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	353456	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.40	95	397662	29.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.97%
63) Toluene-d8	10.09	98	1211046	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	190647	19.40	ug/l	97
3) Chloromethane	2.06	50	254548	19.53	ug/l	100
4) Vinyl Chloride	2.19	62	259005	19.69	ug/l	95
5) Bromomethane	2.58	94	157034	20.94	ug/l	98
6) Chloroethane	2.71	64	155078	19.82	ug/l	98
7) Trichlorofluoromethane	3.02	101	318905	19.64	ug/l	100
8) Diethyl Ether	3.41	74	118756	19.81	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	196524	19.09	ug/l	97
10) 1,1-Dichloroethene	3.74	96	189792	19.61	ug/l	98
11) Methyl Iodide	3.96	142	253780	18.89	ug/l	98
12) Methyl Acetate	4.32	43	161602	19.65	ug/l	100
13) Acrolein	3.61	56	94078	97.41	ug/l	99
14) Acrylonitrile	4.99	53	346722	98.97	ug/l	97
15) Acetone	3.82	58	78743	86.79	ug/l	99
16) Carbon Disulfide	4.06	76	586493	19.14	ug/l	100
17) Allyl chloride	4.33	41	303618	17.99	ug/l	98
18) Methylene Chloride	4.56	84	222708	19.88	ug/l	97
19) trans-1,2-Dichloroethene	5.05	96	205401	19.72	ug/l	97
20) Diisopropyl ether	5.95	45	703811	19.85	ug/l	99
21) 1,1-Dichloroethane	5.85	63	401736	19.87	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	234304	19.63	ug/l	99
23) tert-Butyl Alcohol	4.78	59	45209	86.75	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	520453	20.50	ug/l	99
25) Chloroform	7.37	83	386072	19.80	ug/l	99
26) Cyclohexane	7.66	56	367792	19.29	ug/l #	100
29) 1,1-Dichloropropene	7.79	75	295588	19.35	ug/l	99
30) 2-Butanone	6.84	43	381421	93.33	ug/l	100
31) 2,2-Dichloropropane	6.83	77	264064	18.78	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	314275	19.78	ug/l	98
33) Carbon Tetrachloride	7.78	117	272270	19.58	ug/l	99
34) Benzene	8.04	78	908323	19.78	ug/l	100
35) Methacrylonitrile	7.17	41	107938	21.29	ug/l	97
36) 1,2-Dichloroethane	8.13	62	276507	19.87	ug/l	100
37) Trichloroethene	8.84	130	226534	19.45	ug/l	99
38) Methylcyclohexane	9.08	83	364053	19.26	ug/l	98
39) 1,2-Dichloropropane	9.12	63	242039	19.66	ug/l	98
40) Dibromomethane	9.21	93	132391	19.90	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052465.D
 Acq On : 26 Nov 2018 18:04
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:16 PM

Quant Time: Nov 27 01:12:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	283086	19.26	ug/l	99
42) Vinyl Acetate	5.90	43	2200022	99.49	ug/l	99
43) Ethyl Acetate	6.93	43	189284m	21.78	ug/l	
44) Isopropyl Acetate	8.17	43	313485	20.57	ug/l	96
45) 1,4-Dioxane	9.20	88	27682	332.01	ug/l	94
46) Methyl methacrylate	9.20	41	161157	20.37	ug/l	98
47) n-amyl Acetate	12.07	43	242685	19.20	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	273040	19.16	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	335816	19.34	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	192186	20.38	ug/l	99
51) Ethyl methacrylate	10.43	69	232532	19.64	ug/l	99
52) 1,3-Dichloropropane	10.71	76	334818	19.95	ug/l	100
53) Dibromochloromethane	10.90	129	202160	19.47	ug/l	97
54) 1,2-Dibromoethane	11.01	107	186492	20.24	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	692217	99.86	ug/l	100
56) Bromoform	12.13	173	130389	19.22	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	868313	103.26	ug/l	99
59) 2-Hexanone	10.75	43	561148	97.69	ug/l	99
61) Tetrachloroethene	10.63	164	212760	19.92	ug/l	99
62) Toluene	10.16	91	954942	19.97	ug/l	100
64) Chlorobenzene	11.44	112	584512	20.03	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	200377	19.78	ug/l	99
66) Ethyl Benzene	11.51	91	1016043	19.72	ug/l	98
67) m/p-Xylenes	11.62	106	759950	39.58	ug/l	100
68) o-Xylene	11.95	106	372484	19.99	ug/l	99
69) Styrene	11.97	104	589642	19.60	ug/l	99
70) Isopropylbenzene	12.25	105	990054	19.97	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	222972	20.67	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	192454m	20.79	ug/l	
73) Bromobenzene	12.53	156	238463	19.89	ug/l	98
74) n-propylbenzene	12.59	91	1127851	19.52	ug/l	99
75) 2-Chlorotoluene	12.68	91	670219	19.99	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	797974	19.93	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55055	18.82	ug/l	96
78) 4-Chlorotoluene	12.78	91	651248	19.45	ug/l	100
79) tert-butylbenzene	12.99	119	701179	20.10	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	797602	19.90	ug/l	99
81) sec-Butylbenzene	13.17	105	954893	19.66	ug/l	100
82) p-Isopropyltoluene	13.29	119	802971	19.41	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	409336	19.41	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	397478	19.51	ug/l	99
85) n-Butylbenzene	13.62	91	667535	18.79	ug/l	99
86) Hexachloroethane	13.88	117	134764	19.23	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	407431	20.30	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30601	20.26	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	187635	18.98	ug/l	98
90) Hexachlorobutadiene	15.01	225	127335	19.63	ug/l	99
91) Naphthalene	15.14	128	387203	19.39	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	179540	19.70	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
Data File : VN052465.D
Acq On : 26 Nov 2018 18:04
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM

Quant Time: Nov 27 01:12:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

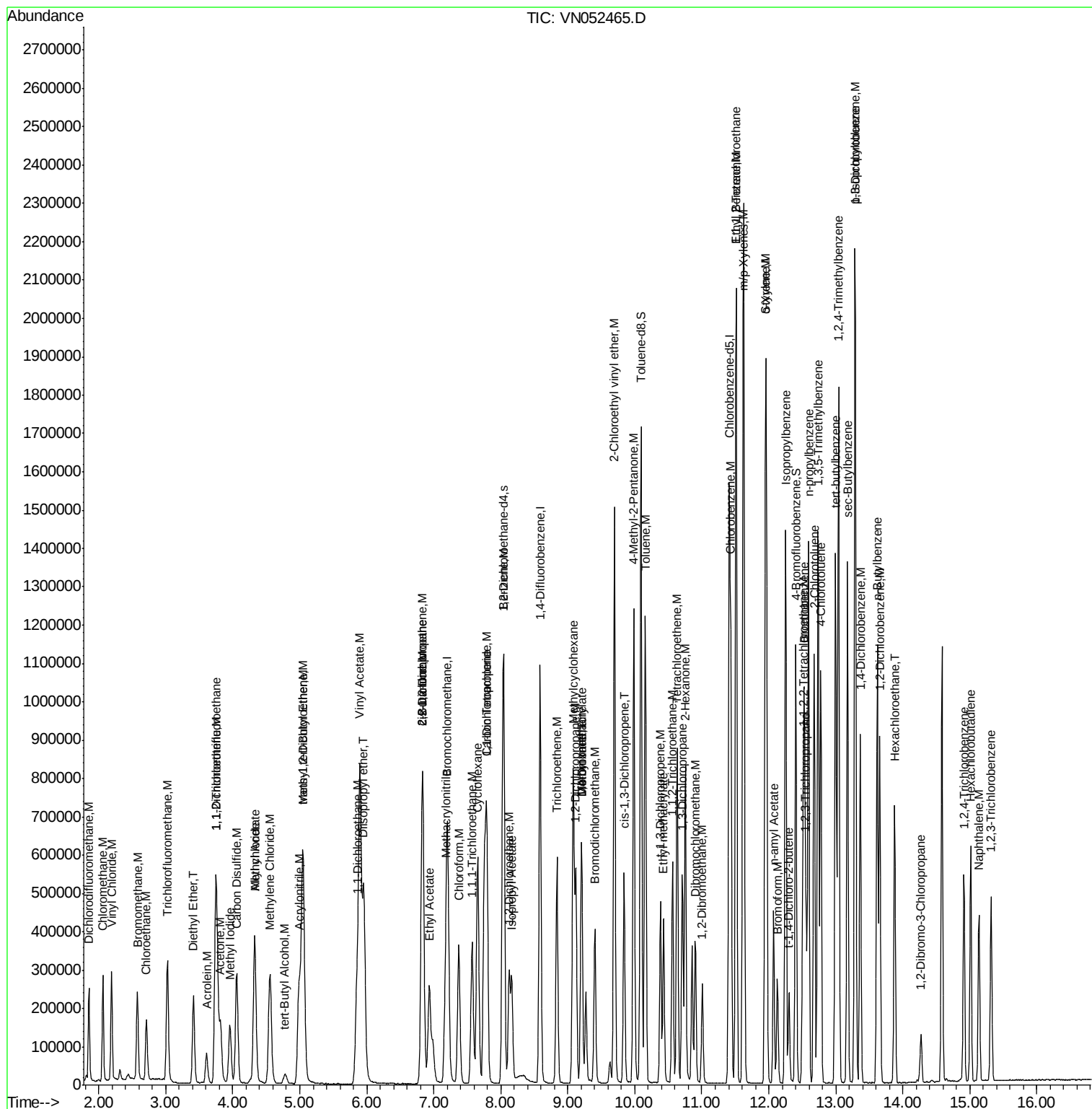
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
Data File : VN052465.D
Acq On : 26 Nov 2018 18:04
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 28

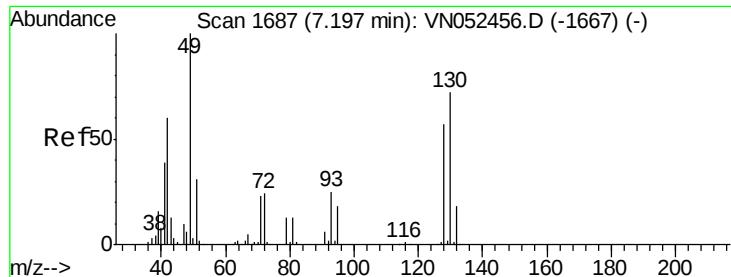
Instrument :
MSVOA_N
Client Sample ID :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM

Quant Time: Nov 27 01:12:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

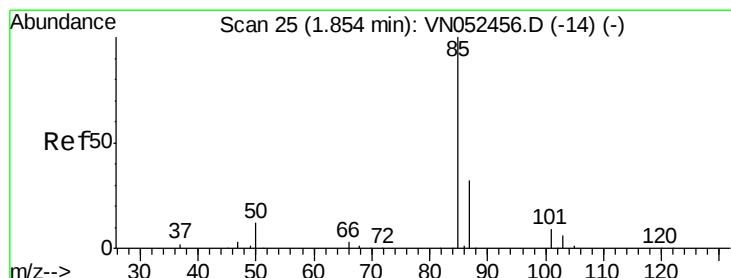
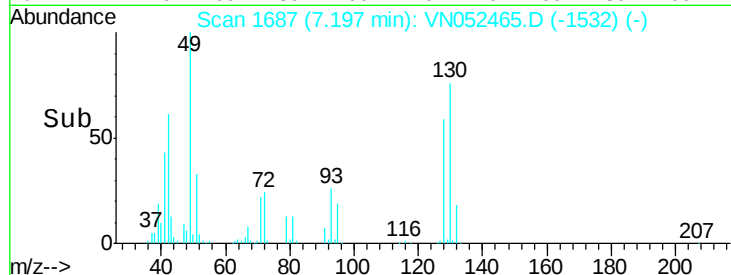
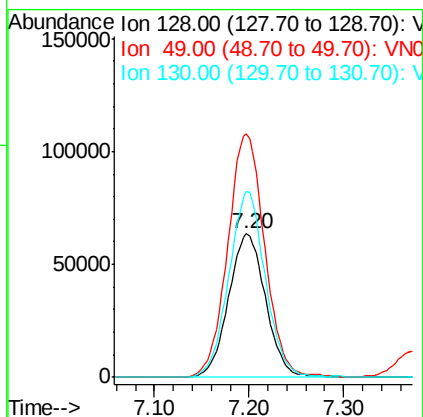
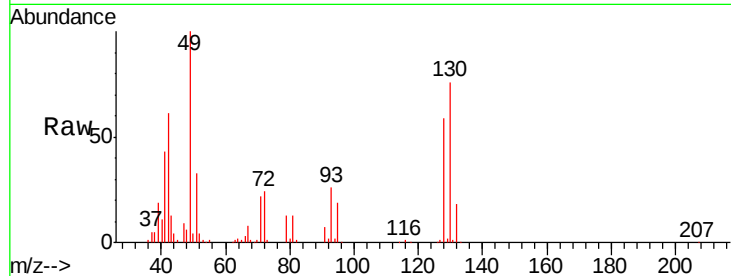
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	128	Resp:	172564
Ion	Ratio	Lower	Upper
128	100		
49	169.8	0.0	431.8
130	127.9	0.0	317.0

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#2

Dichlorodifluoromethane

Concen: 19.40 ug/l

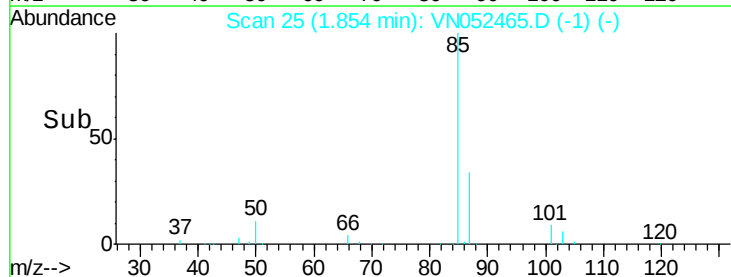
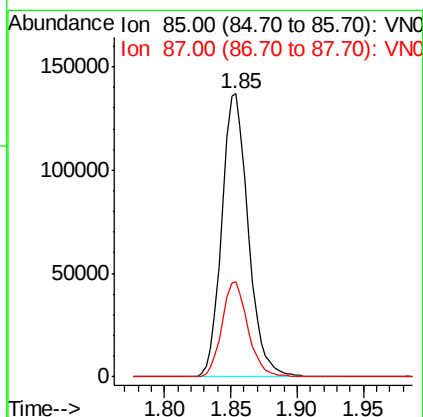
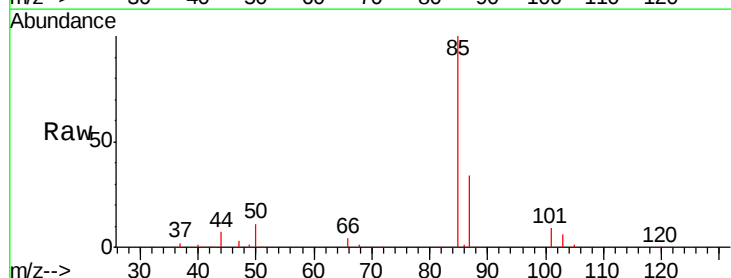
RT: 1.85 min Scan# 25

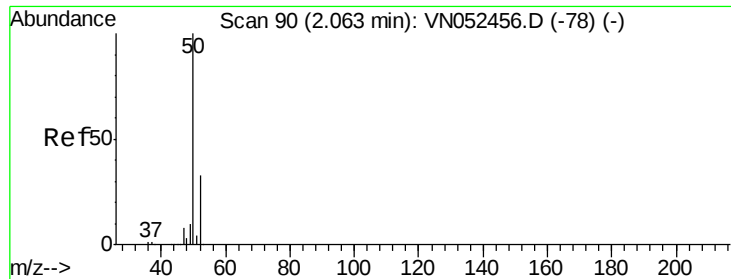
Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	85	Resp:	190647
Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.1	48.3





#3

Chloromethane

Concen: 19.53 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 50 Resp: 254548

Ion Ratio Lower Upper

50 100

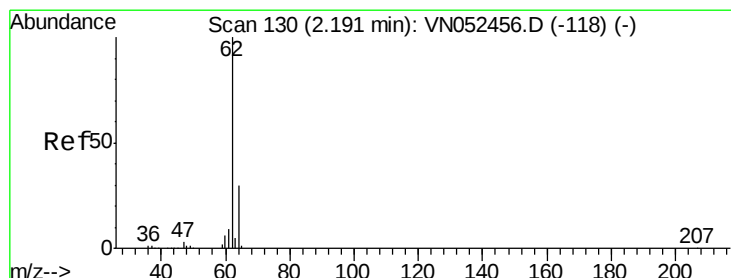
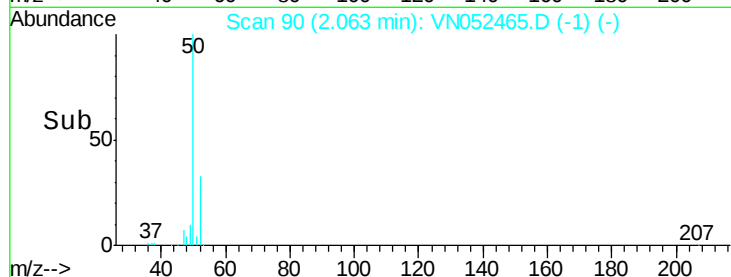
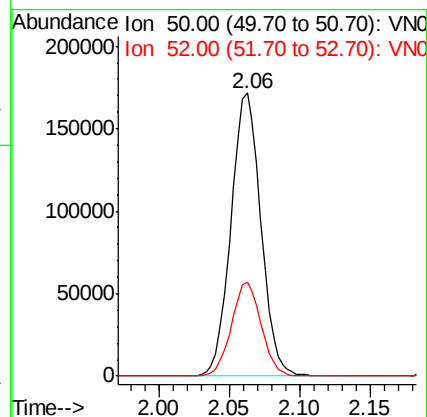
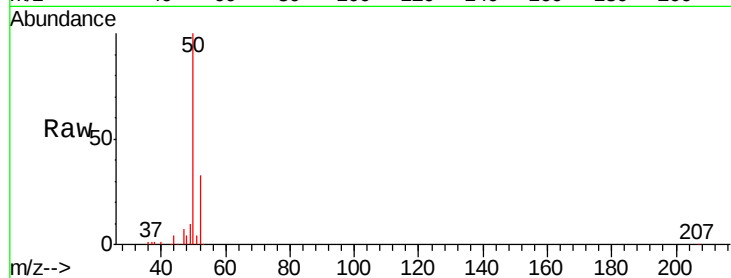
52 33.3 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:16 PM



#4

Vinyl Chloride

Concen: 19.69 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052465.D

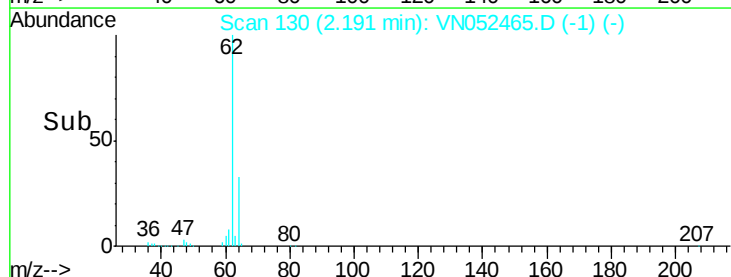
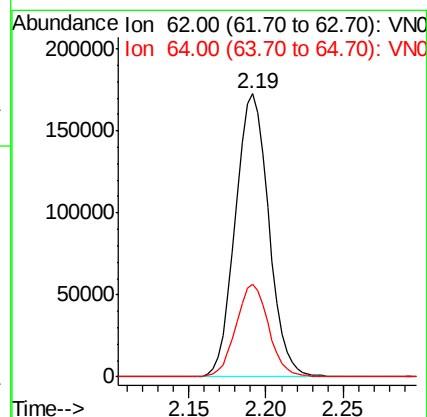
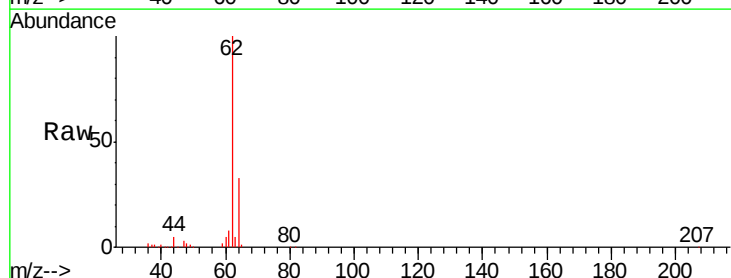
Acq: 26 Nov 2018 18:04

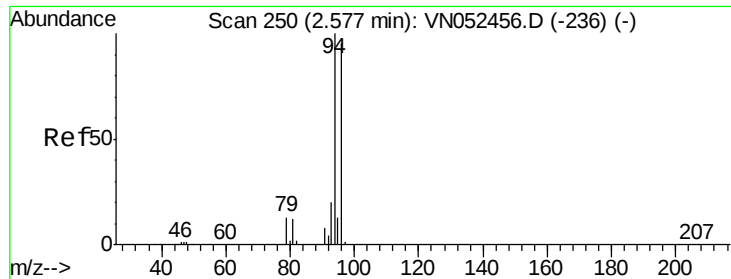
Tgt Ion: 62 Resp: 259005

Ion Ratio Lower Upper

62 100

64 32.9 24.2 36.4





#5

Bromomethane

Concen: 20.94 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 94 Resp: 157034

Ion Ratio Lower Upper

94 100

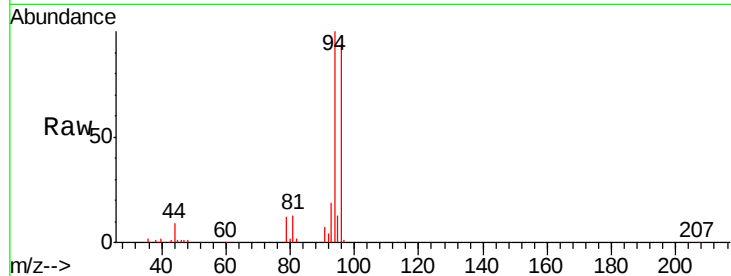
96 93.7 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:16 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.58

80000

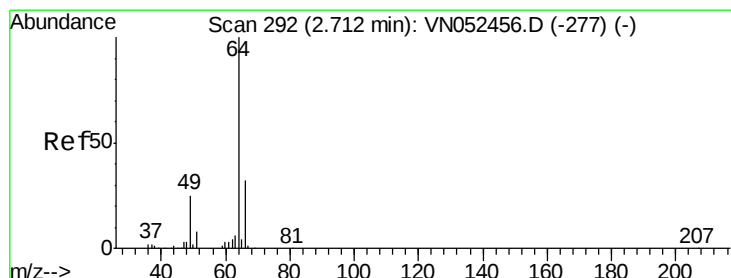
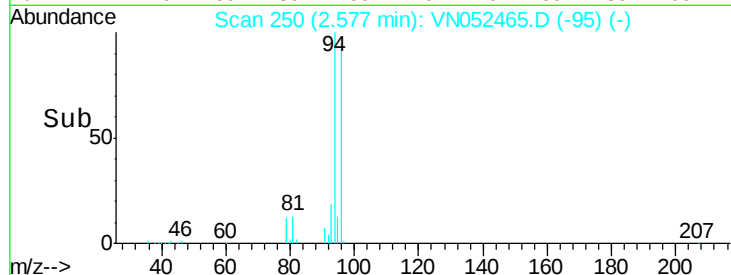
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.82 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052465.D

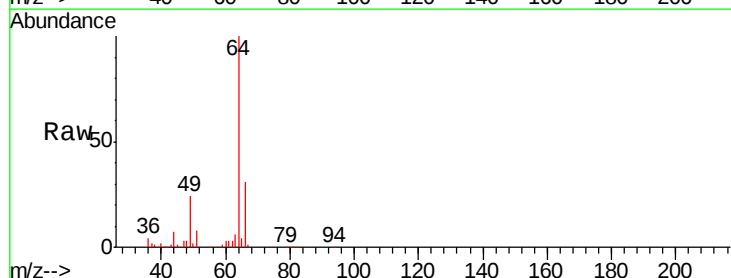
Acq: 26 Nov 2018 18:04

Tgt Ion: 64 Resp: 155078

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.71

80000

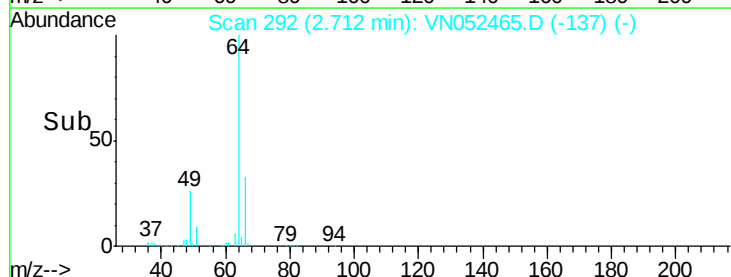
60000

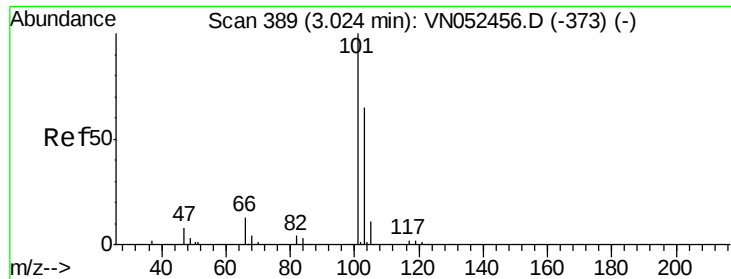
40000

20000

0

Time-->





#7

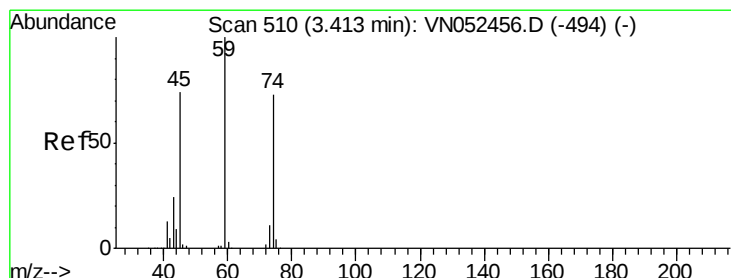
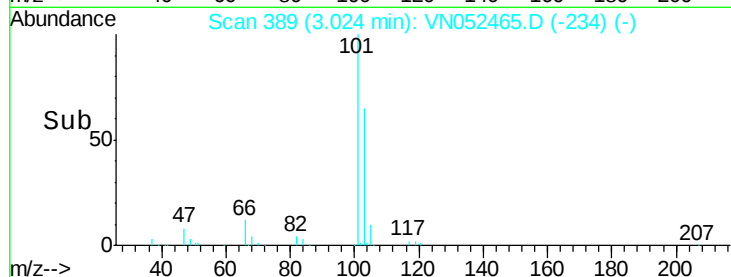
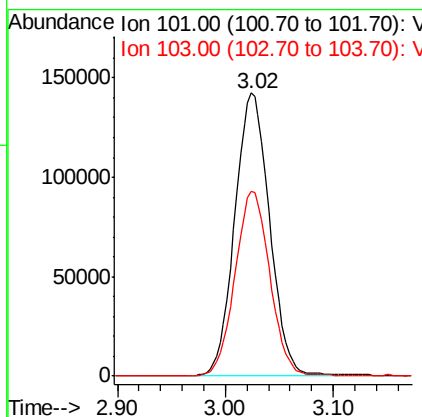
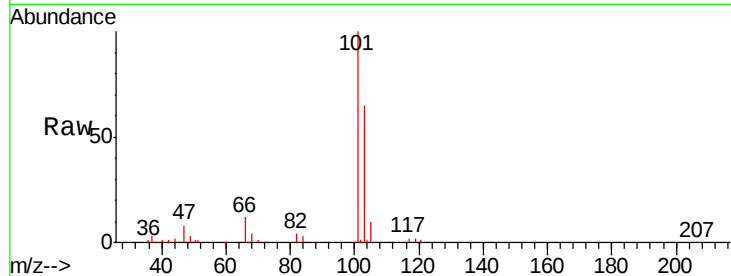
Trichlorofluoromethane
 Concen: 19.64 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

Manual Integrations
 APPROVED

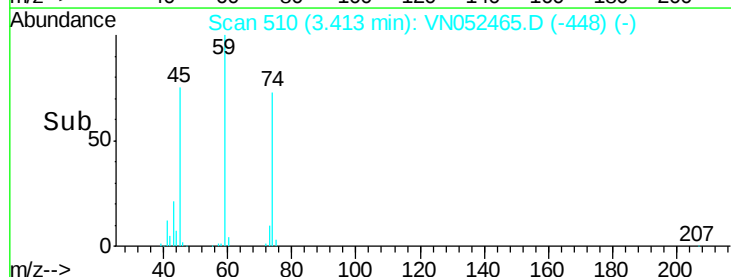
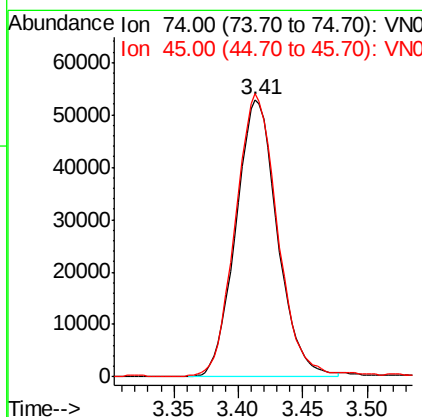
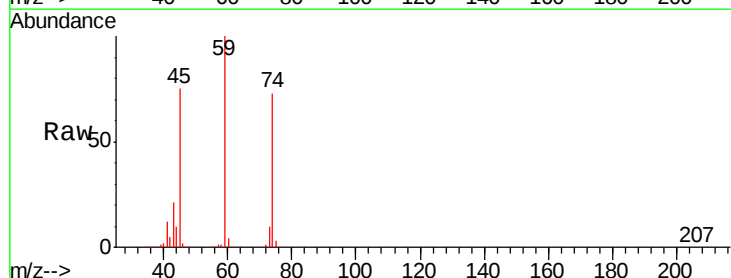
MMDadoda
 11/27/2018 3:52:16 PM

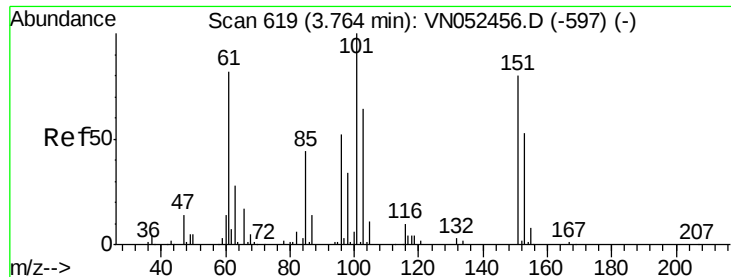


#8

Diethyl Ether
 Concen: 19.81 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.09 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

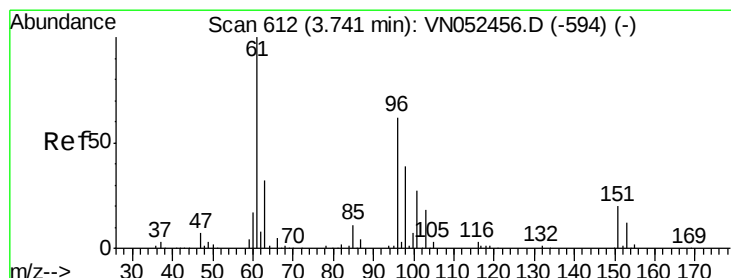
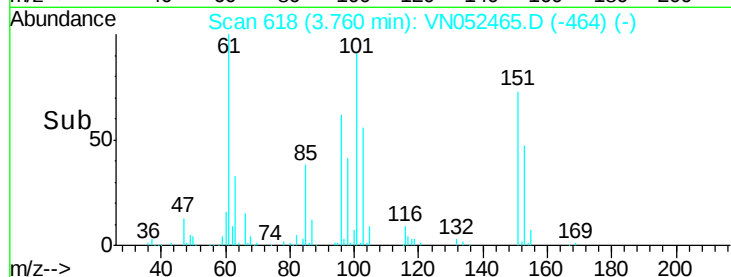
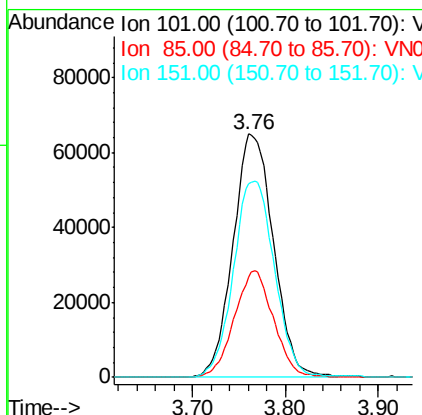
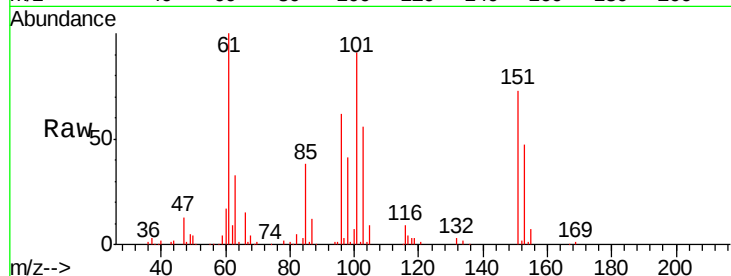
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	101	Resp:	196524
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	82.6
151	82.1	0.0	158.4

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#10

1,1-Dichloroethene

Concen: 19.61 ug/l

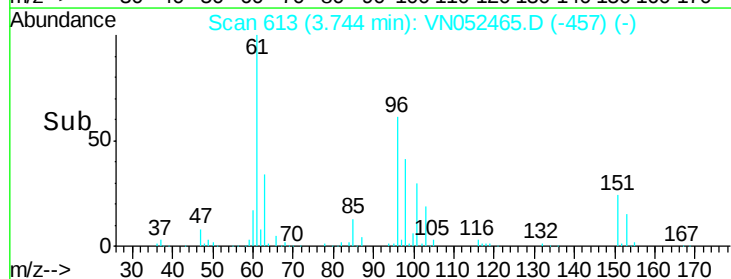
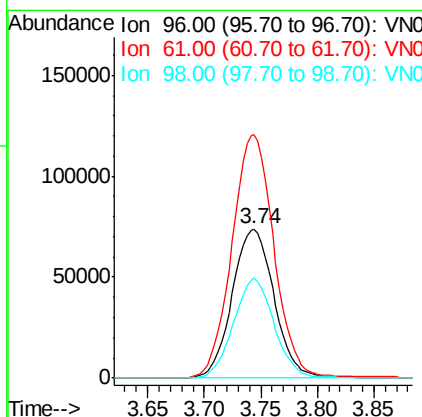
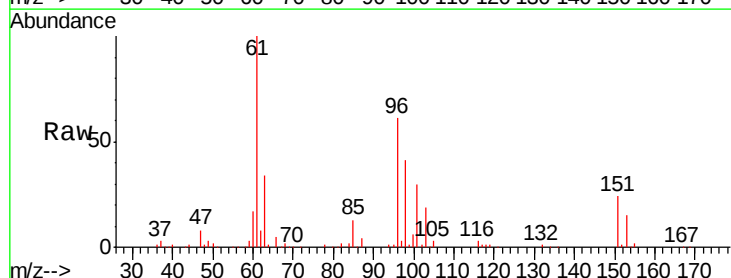
RT: 3.74 min Scan# 613

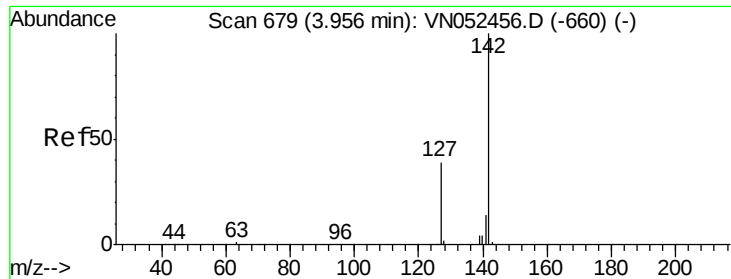
Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	96	Resp:	189792
Ion Ratio	Lower	Upper	
96	100		
61	162.4	129.4	194.2
98	66.5	50.4	75.6





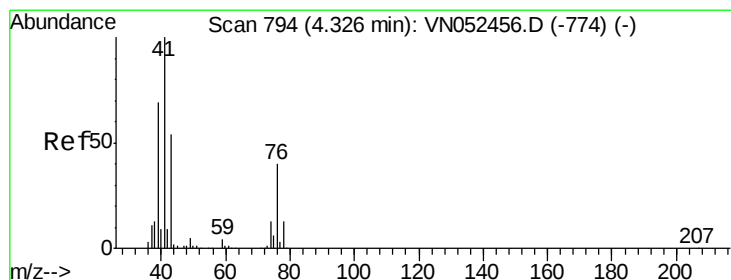
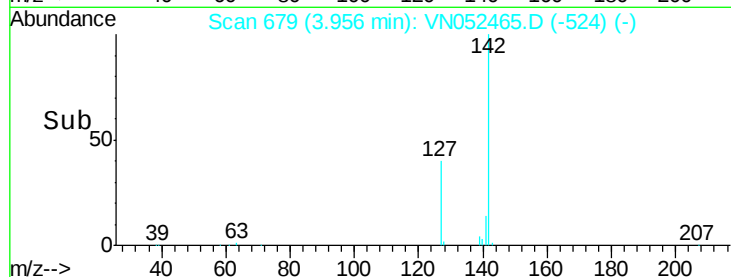
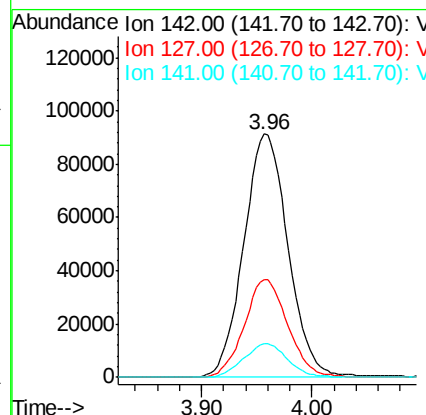
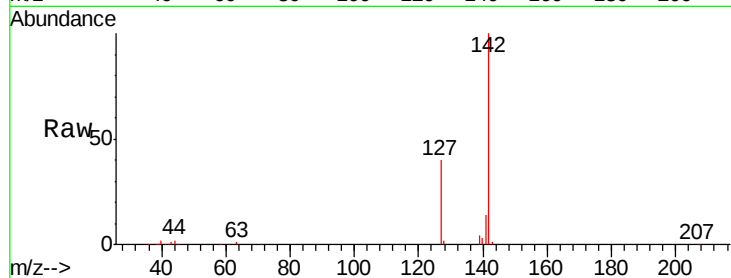
#11
Methyl Iodide
Concen: 18.89 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.1	19.4	58.1
141	13.6	7.2	21.6

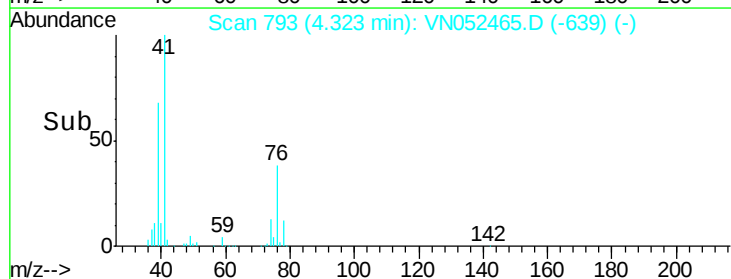
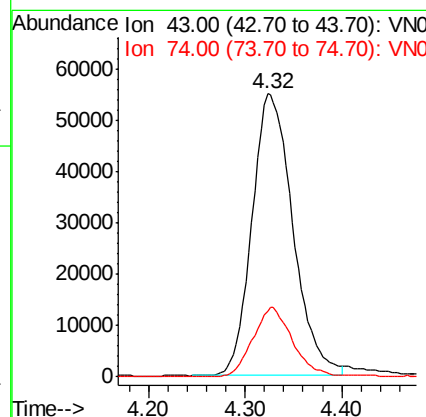
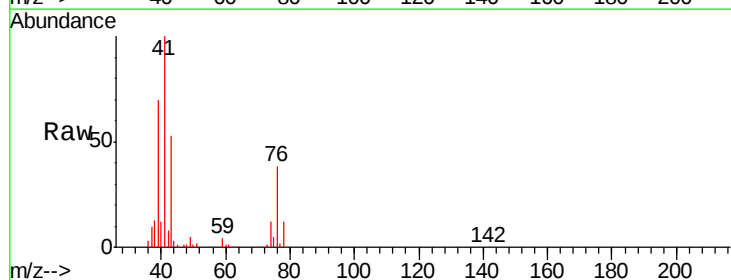
Manual Integrations
APPROVED

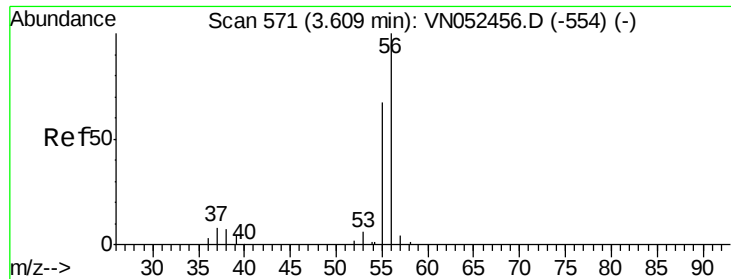
MMDadoda
11/27/2018 3:52:16 PM



#12
Methyl Acetate
Concen: 19.65 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3





#13

Acrolein

Concen: 97.41 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 94078

Ion Ratio Lower Upper

56 100

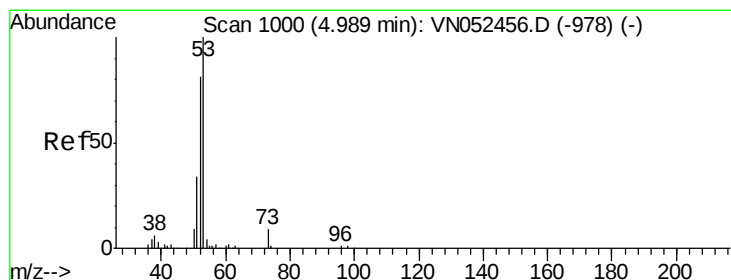
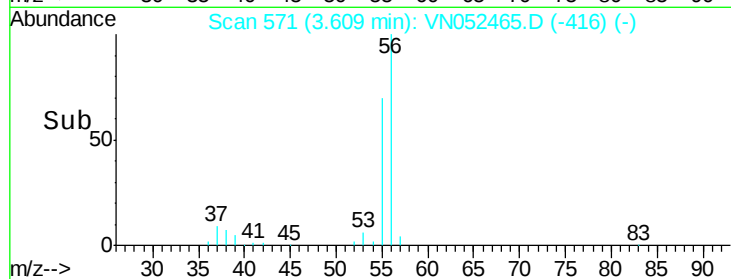
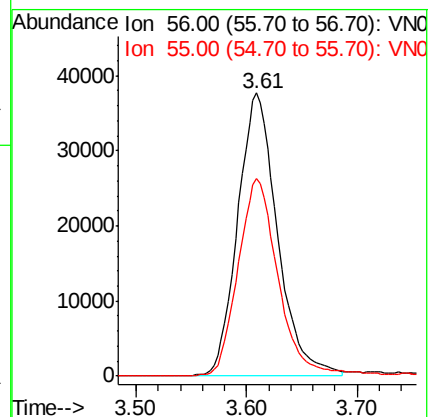
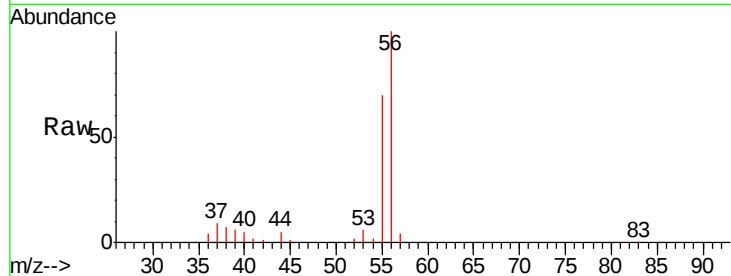
55 70.1 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:16 PM



#14

Acrylonitrile

Concen: 98.97 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

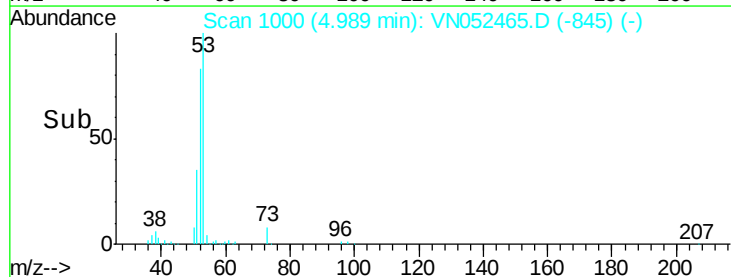
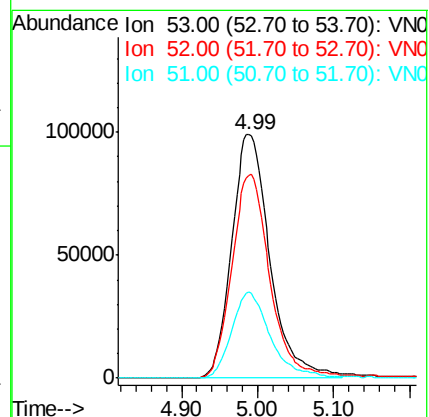
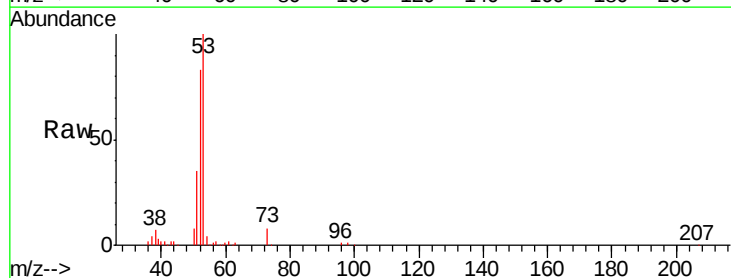
Tgt Ion: 53 Resp: 346722

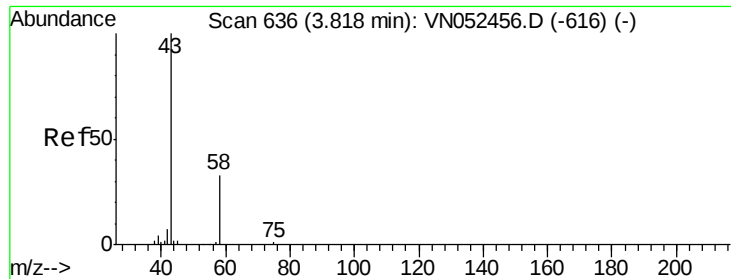
Ion Ratio Lower Upper

53 100

52 83.6 39.9 119.7

51 35.8 17.6 52.9





#15

Acetone

Concen: 86.79 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 78743

Ion Ratio Lower Upper

58 100

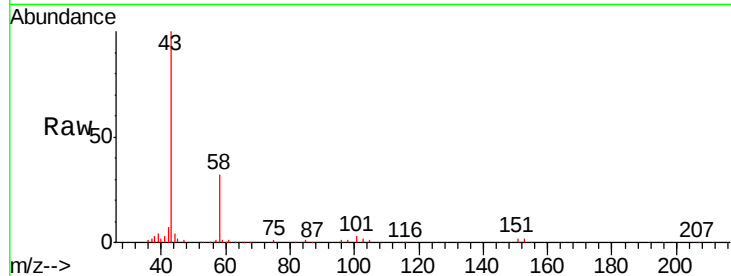
43 306.5 243.6 365.4

Manual Integrations

APPROVED

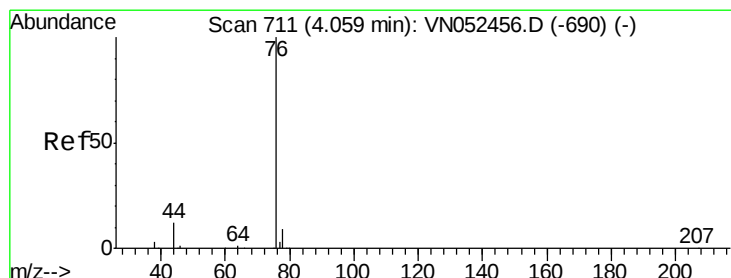
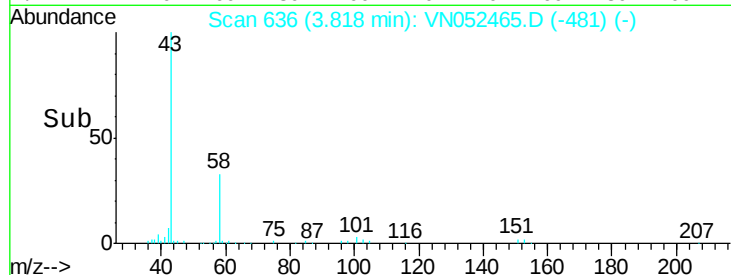
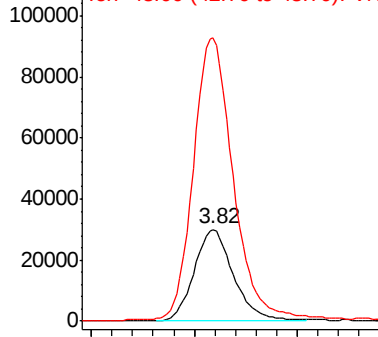
MMDadoda

11/27/2018 3:52:16 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.14 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052465.D

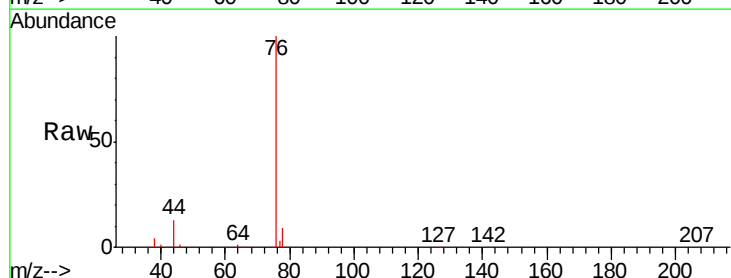
Acq: 26 Nov 2018 18:04

Tgt Ion: 76 Resp: 586493

Ion Ratio Lower Upper

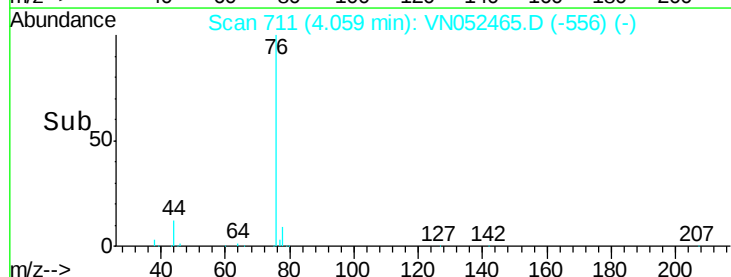
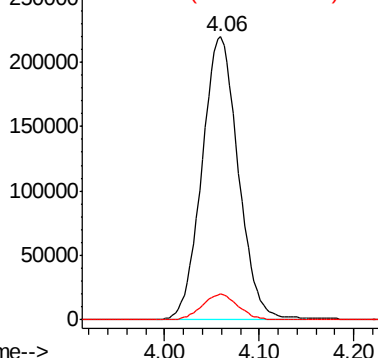
76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 17.99 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

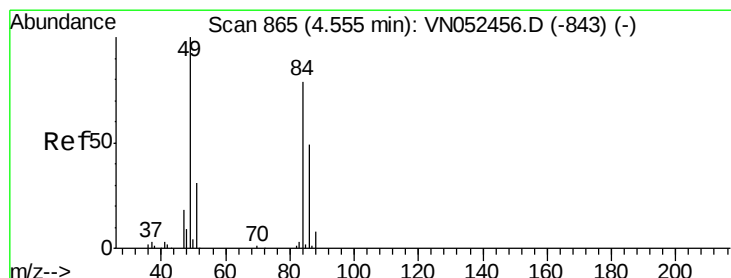
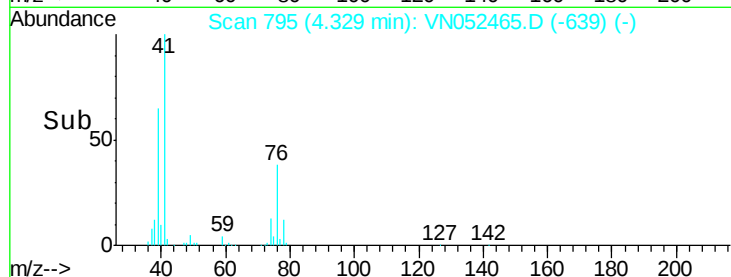
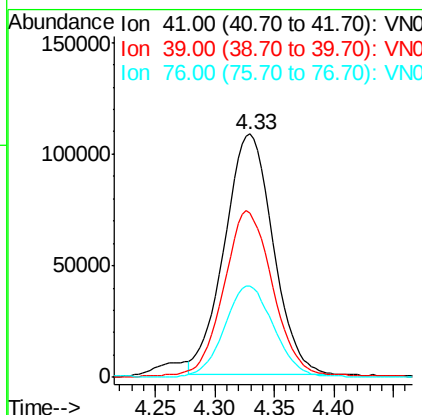
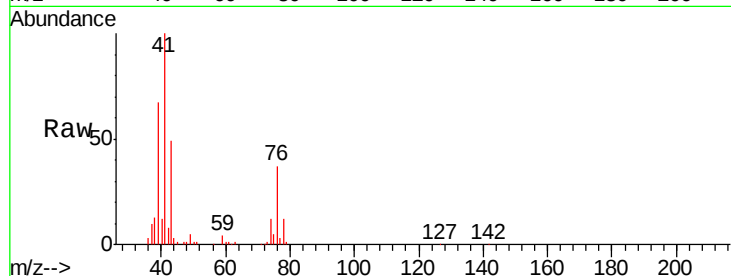
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	41	Resp:	303618
Ion	Ratio	Lower	Upper
41	100		
39	67.2	32.8	98.3
76	37.4	18.6	55.8

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#18

Methylene Chloride

Concen: 19.88 ug/l

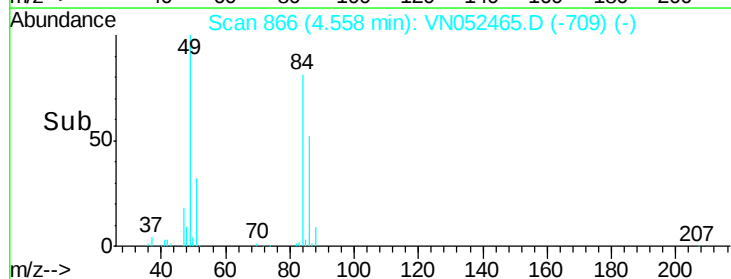
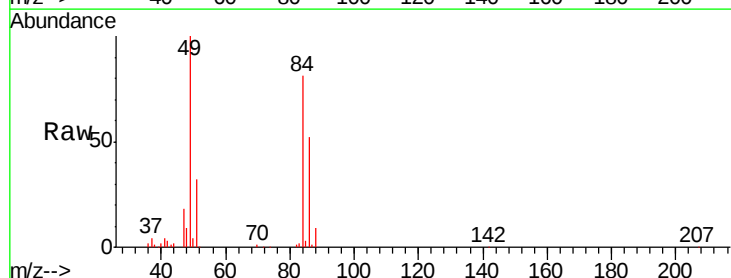
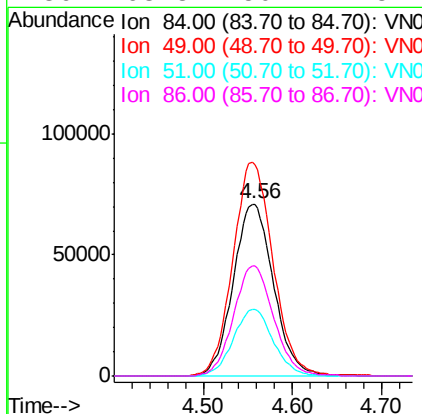
RT: 4.56 min Scan# 866

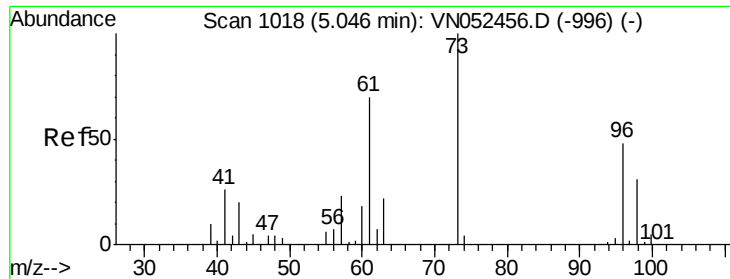
Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	84	Resp:	222708
Ion	Ratio	Lower	Upper
84	100		
49	122.7	101.4	152.0
51	38.8	31.7	47.5
86	63.8	50.1	75.1





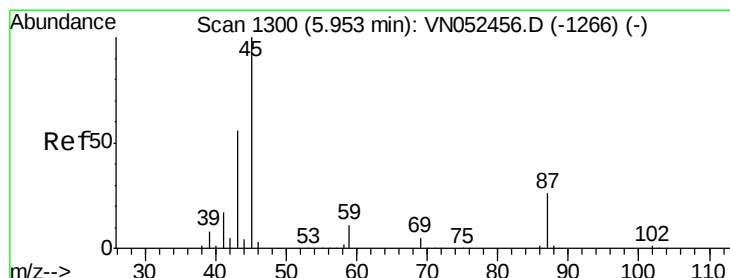
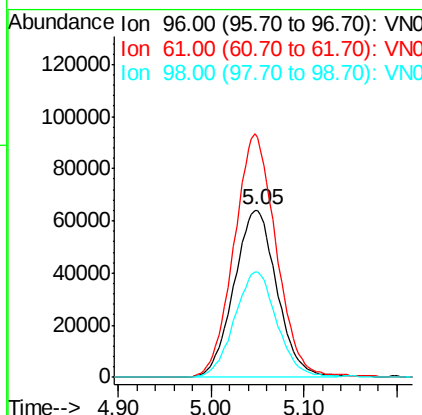
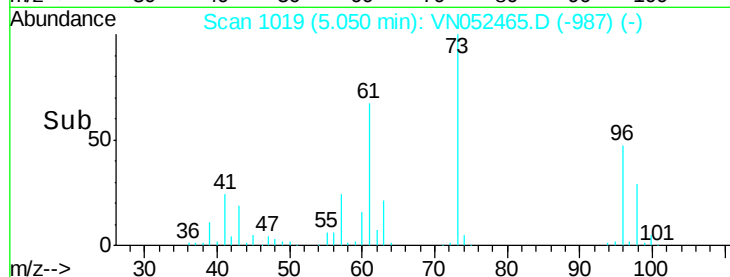
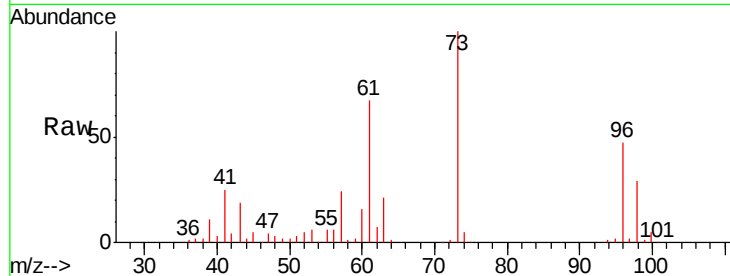
#19
trans-1,2-Dichloroethene
Concen: 19.72 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.2	118.2	177.4
98	62.5	51.4	77.2

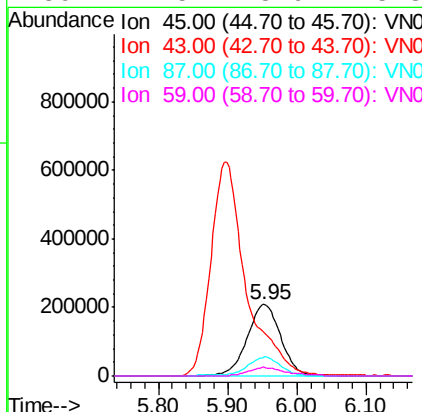
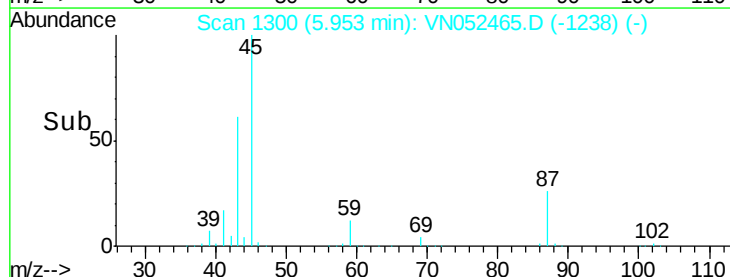
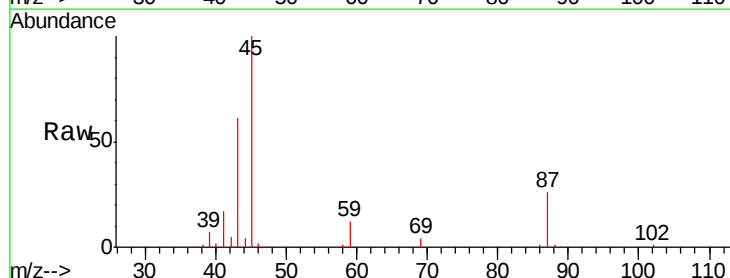
Manual Integrations
APPROVED

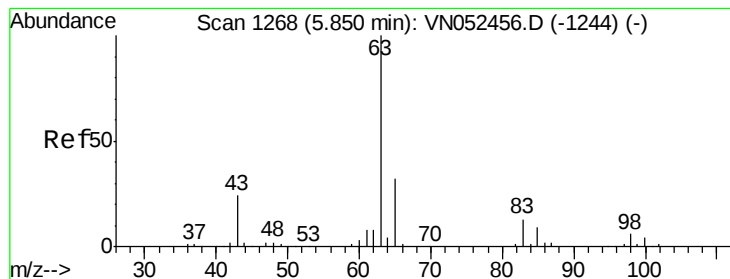
MMDadoda
11/27/2018 3:52:16 PM



#20
Diisopropyl ether
Concen: 19.85 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	47.8	71.8
87	26.1	21.3	31.9
59	11.5	8.9	13.3





#21

1,1-Dichloroethane

Concen: 19.87 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

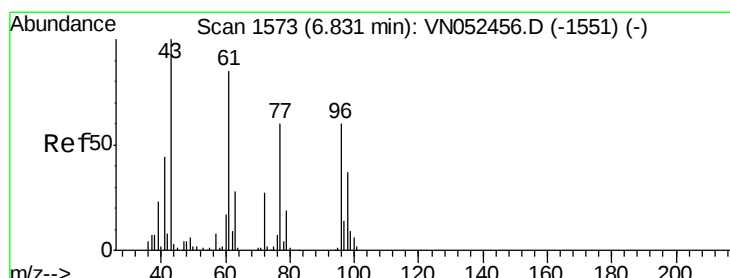
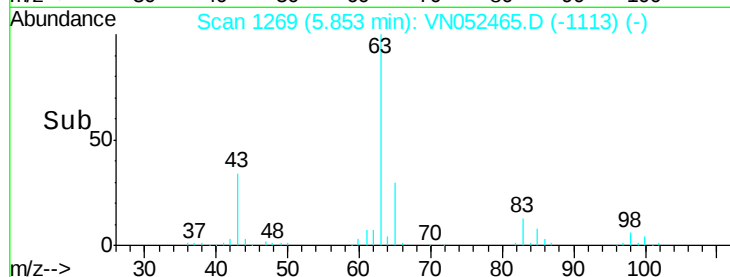
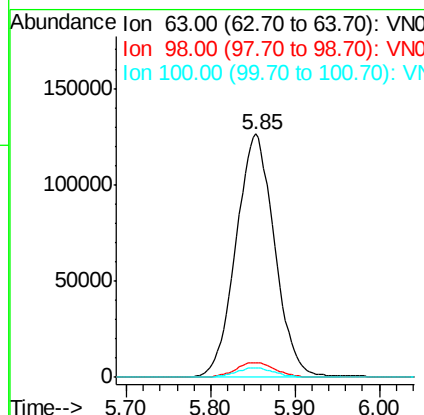
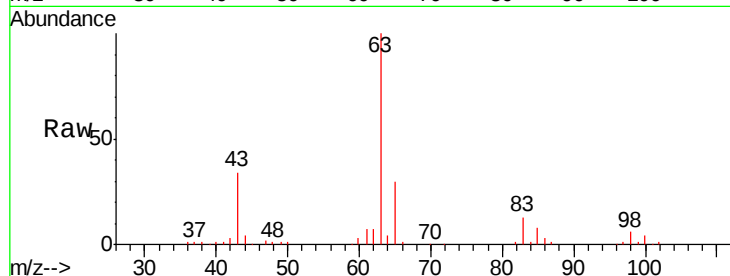
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	63	Resp:	401736
Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.2
100	3.9	1.8	5.5

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#22

cis-1,2-Dichloroethene

Concen: 19.63 ug/l

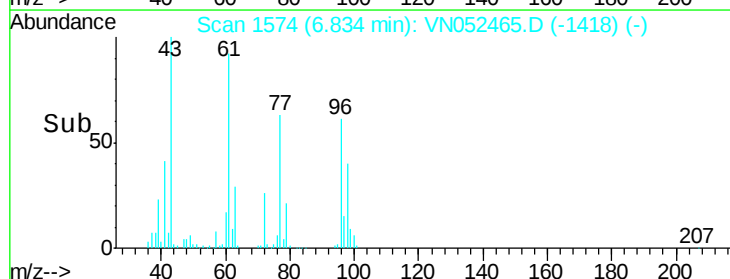
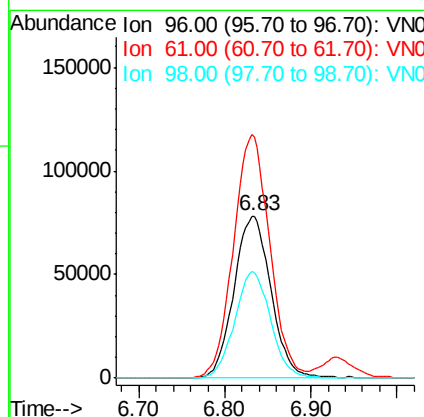
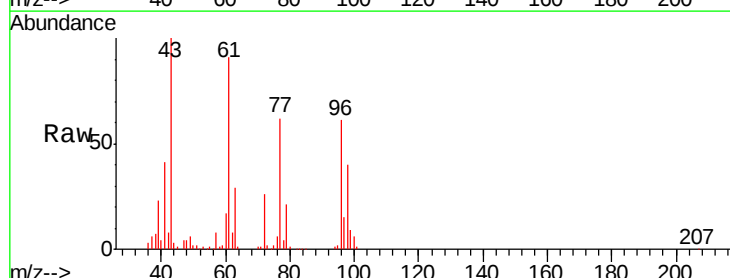
RT: 6.83 min Scan# 1574

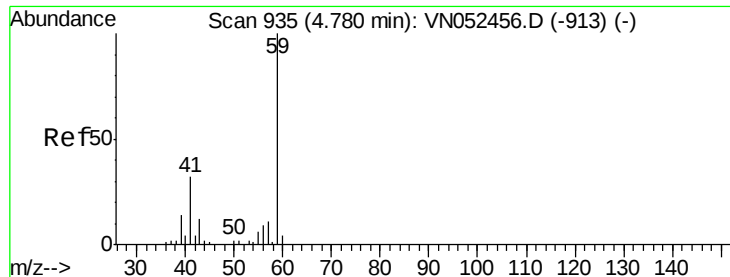
Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	96	Resp:	234304
Ion	Ratio	Lower	Upper
96	100		
61	147.3	116.7	175.1
98	63.8	50.8	76.2





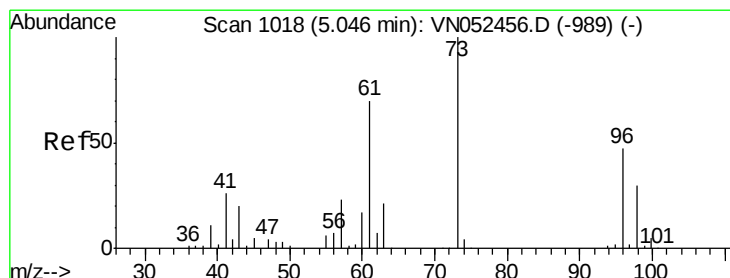
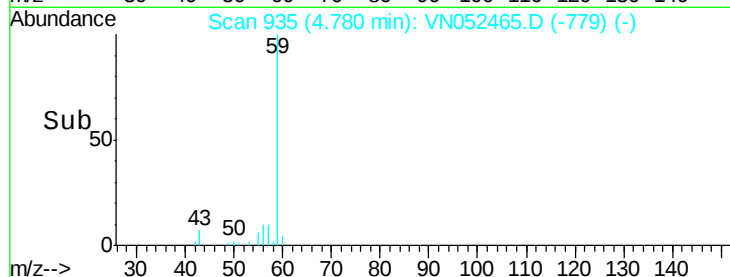
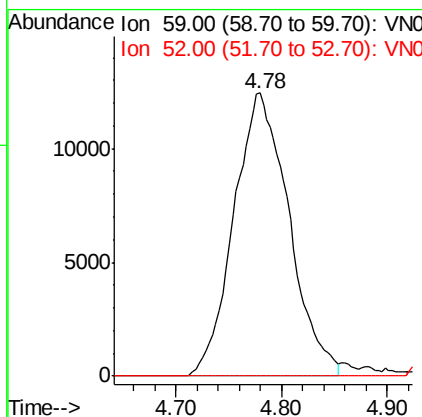
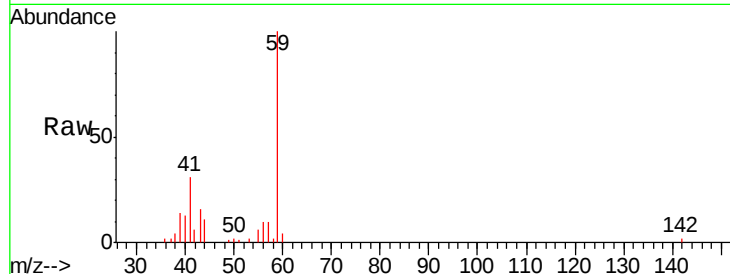
#23
 tert-Butyl Alcohol
 Concen: 86.75 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 59 Resp: 45209
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.0 0.0#

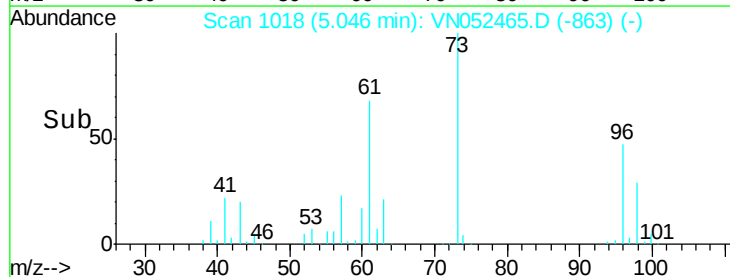
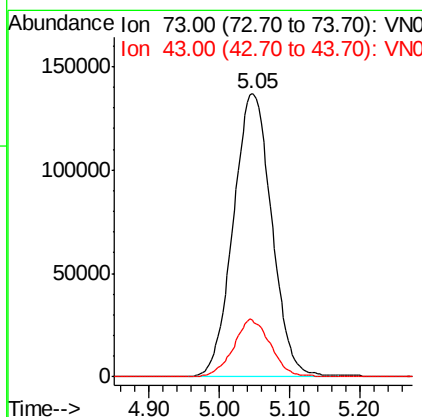
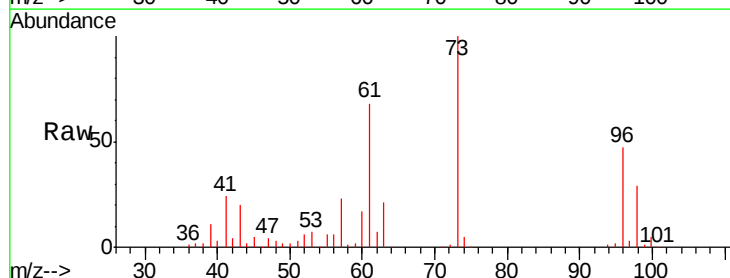
Manual Integrations
 APPROVED

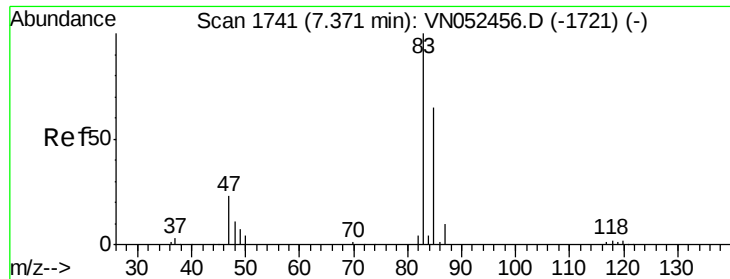
MMDadoda
 11/27/2018 3:52:16 PM



#24
 Methyl tert-Butyl Ether
 Concen: 20.50 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 73 Resp: 520453
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.8 23.8





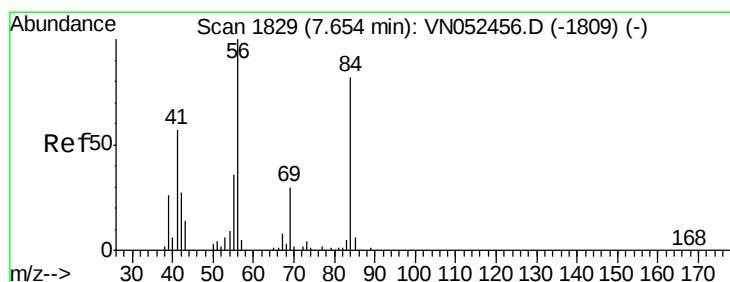
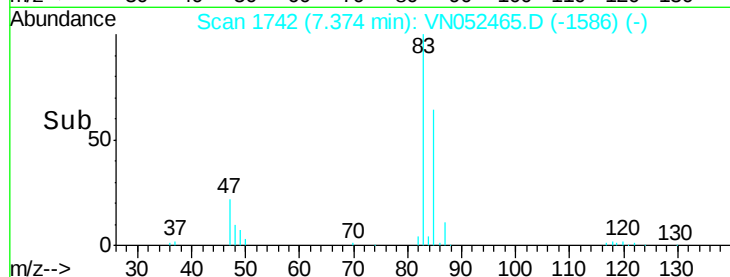
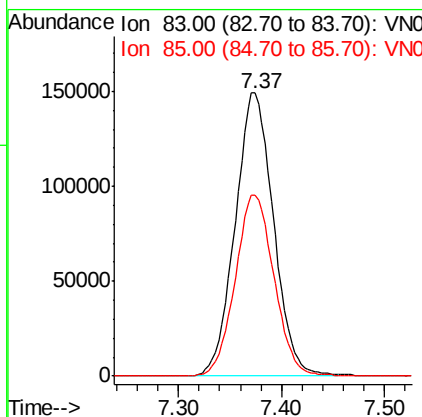
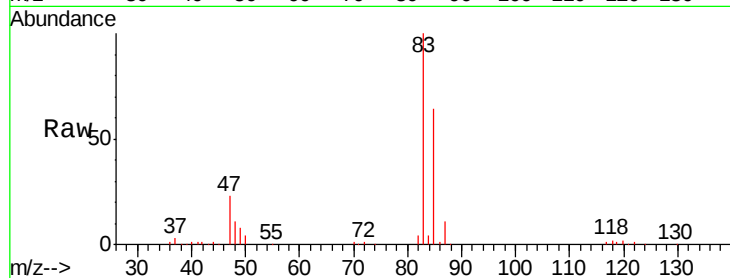
#25
Chloroform
Concen: 19.80 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 386072
Ion Ratio Lower Upper
83 100
85 64.0 51.7 77.5

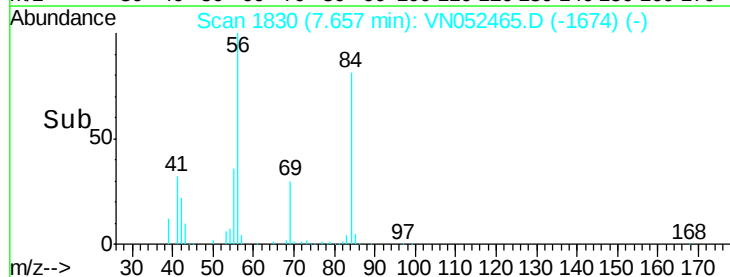
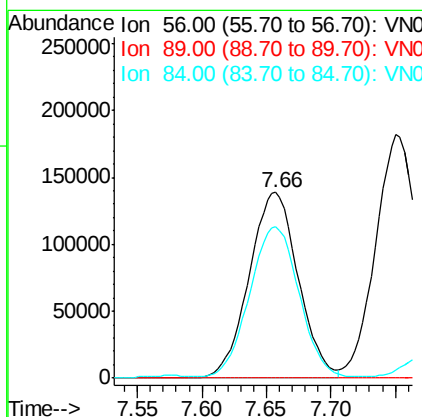
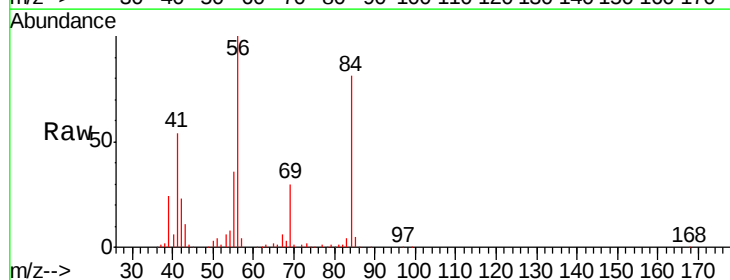
Manual Integrations
APPROVED

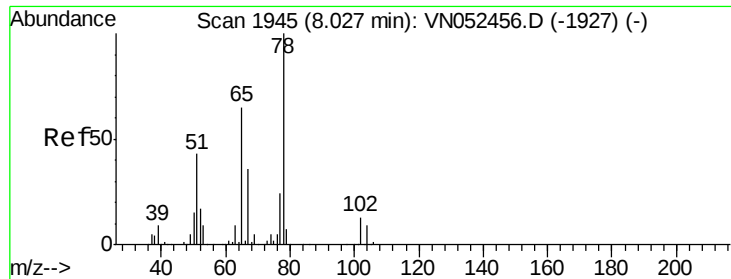
MMDadoda
11/27/2018 3:52:16 PM



#26
Cyclohexane
Concen: 19.29 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 56 Resp: 367792
Ion Ratio Lower Upper
56 100
89 0.3 0.5 0.7#
84 82.6 66.2 99.2





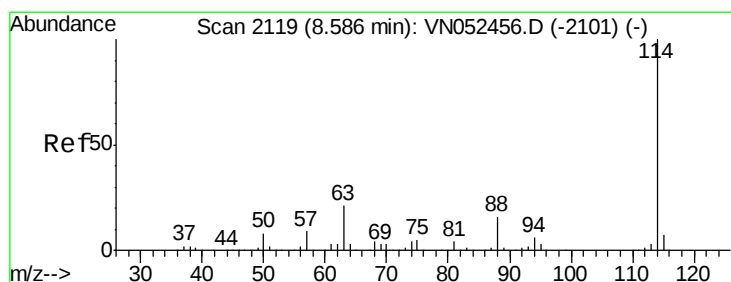
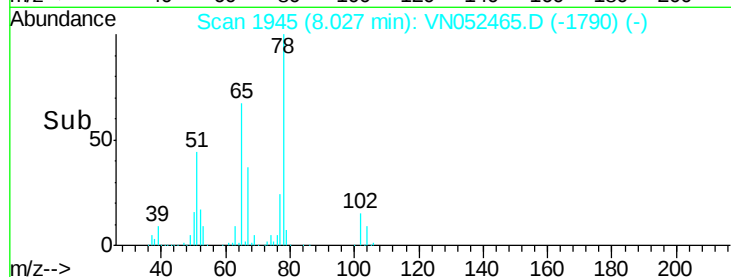
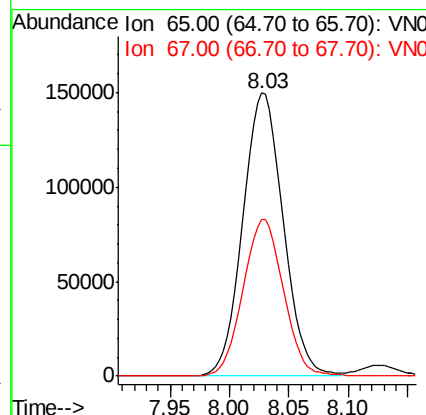
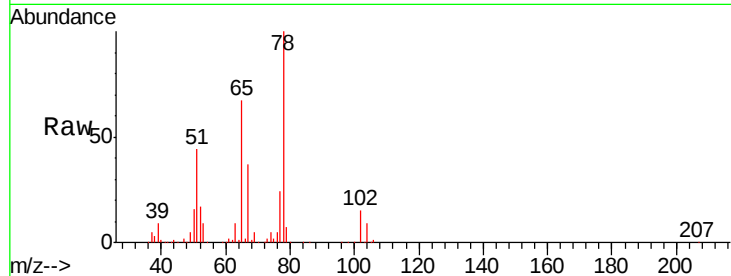
#27
 1,2-Dichloroethane-d4
 Concen: 19.29 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 65 Resp: 353456
 Ion Ratio Lower Upper
 65 100
 67 55.3 44.6 66.8

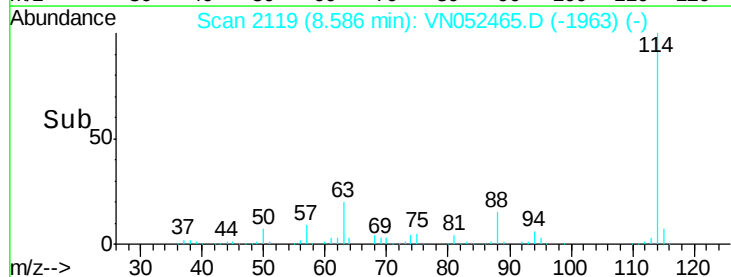
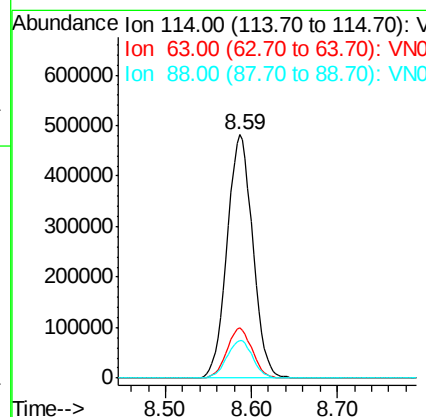
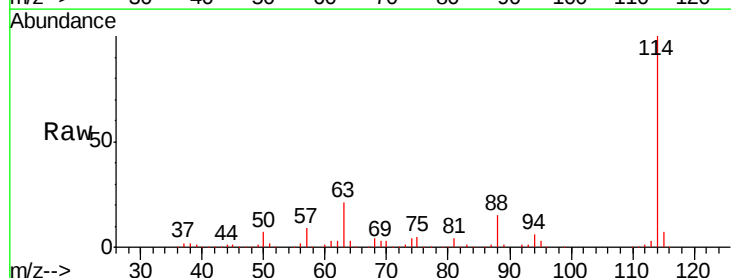
Manual Integrations
 APPROVED

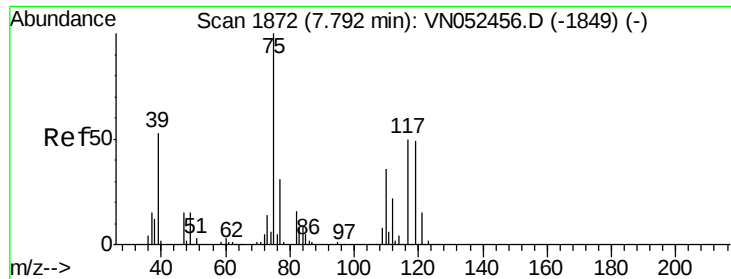
MMDadoda
 11/27/2018 3:52:16 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 114 Resp: 1000141
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.9 25.3
 88 15.5 12.8 19.2





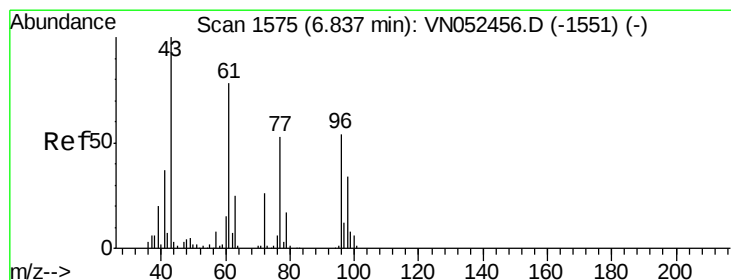
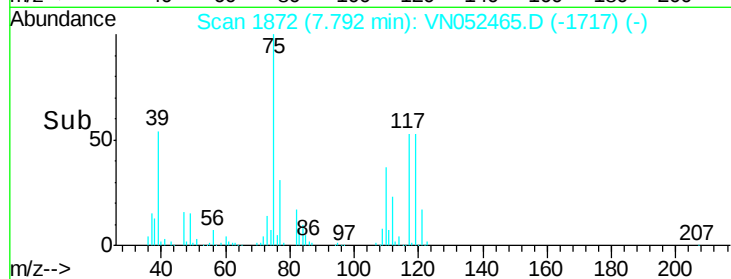
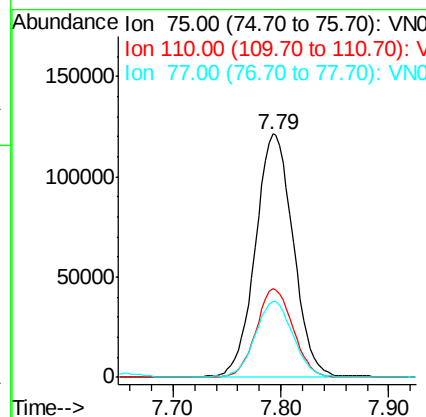
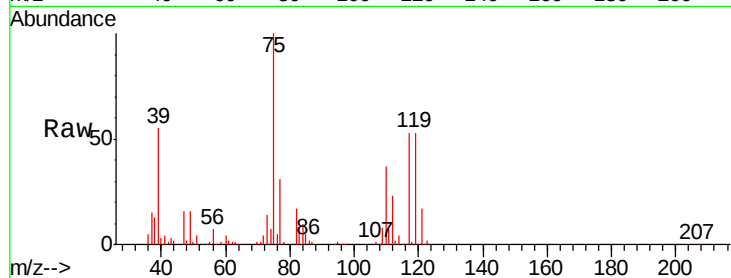
#29
 1,1-Dichloropropene
 Concen: 19.35 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	0.0	70.2
77	30.8	0.0	62.6

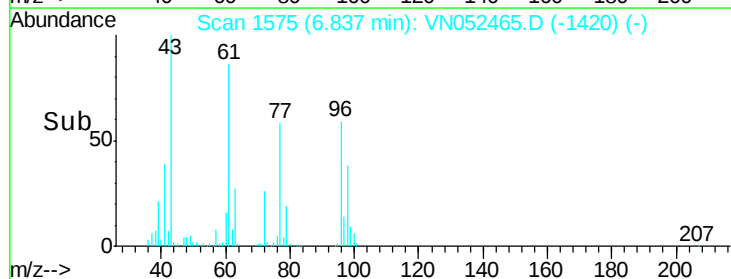
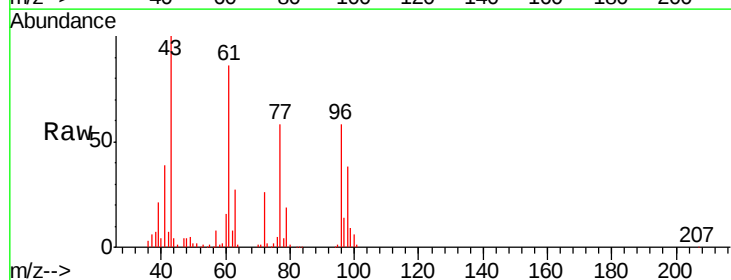
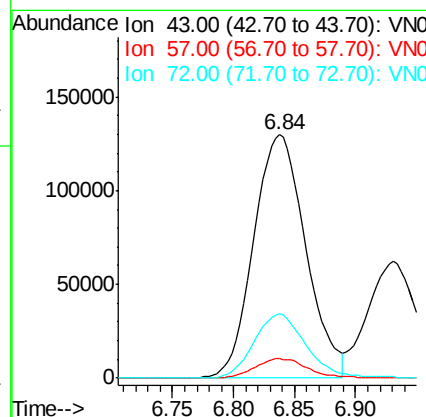
Manual Integrations
 APPROVED

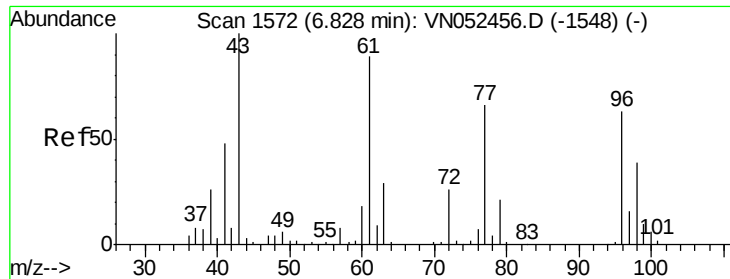
MMDadoda
 11/27/2018 3:52:16 PM



#30
 2-Butanone
 Concen: 93.33 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.2	9.4
72	26.2	21.0	31.6





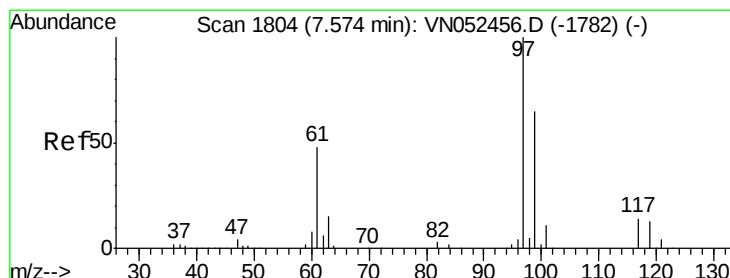
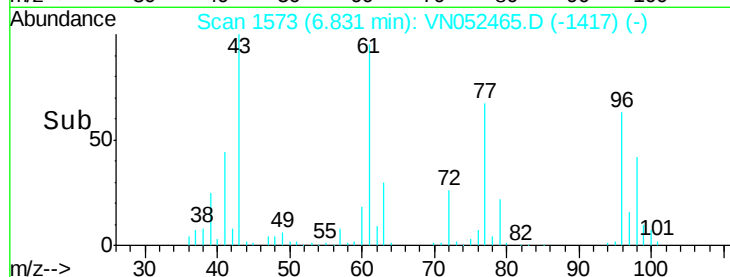
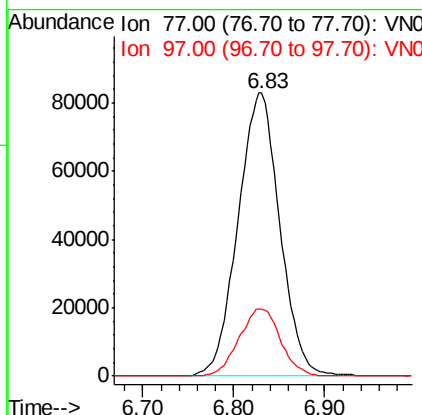
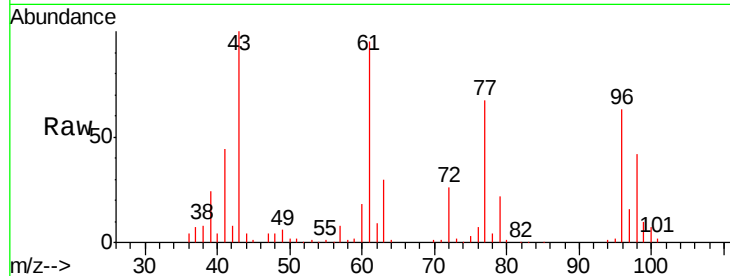
#31
 2,2-Dichloropropane
 Concen: 18.78 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 77 Resp: 264064
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.7 28.1

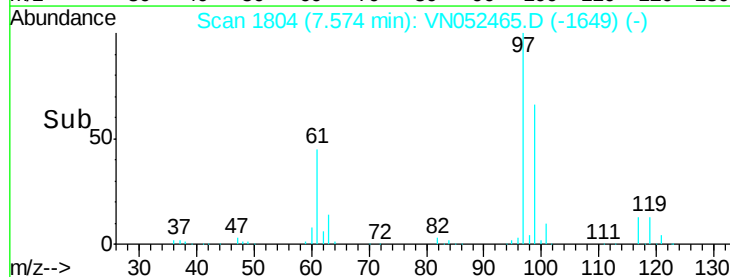
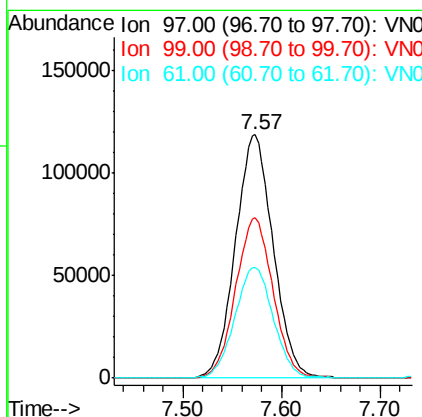
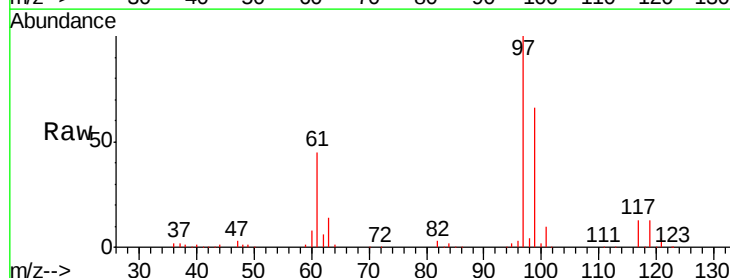
Manual Integrations
 APPROVED

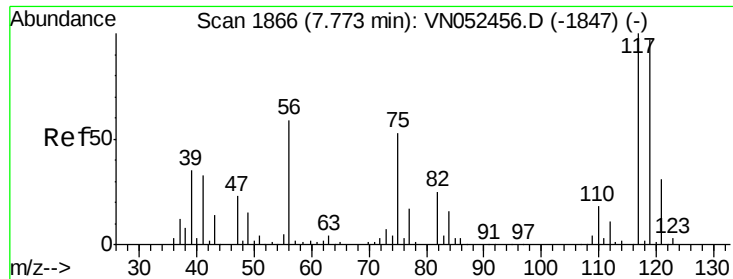
MMDadoda
 11/27/2018 3:52:16 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.78 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 97 Resp: 314275
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.9 76.3
 61 46.5 38.1 57.1





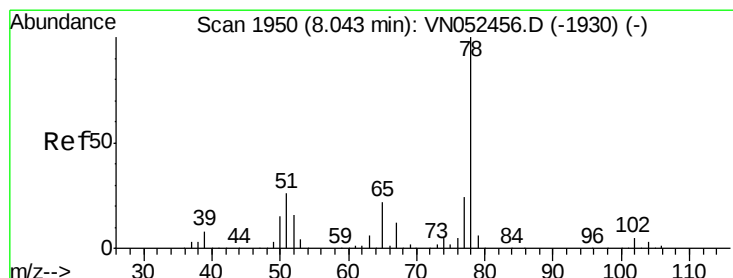
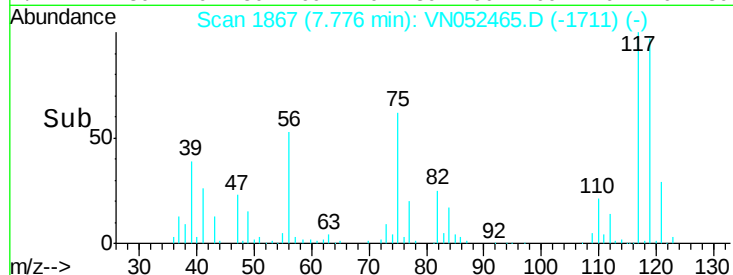
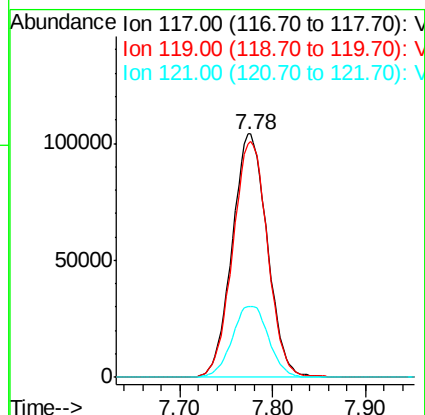
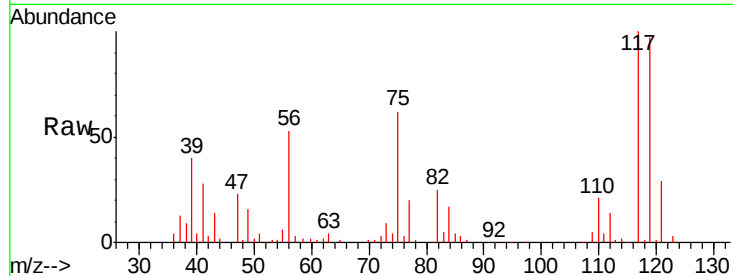
#33
Carbon Tetrachloride
Concen: 19.58 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 117 Resp: 272270
Ion Ratio Lower Upper
117 100
119 96.8 77.3 115.9
121 29.1 24.9 37.3

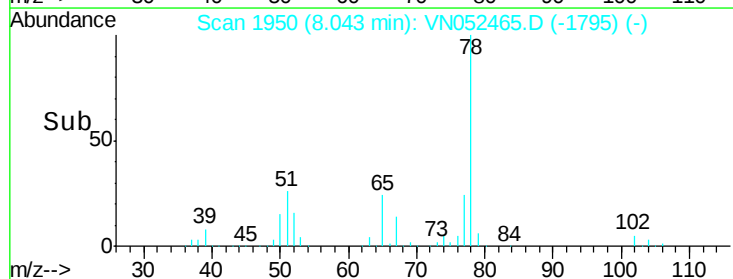
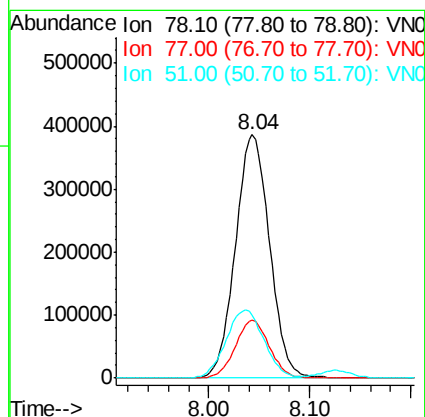
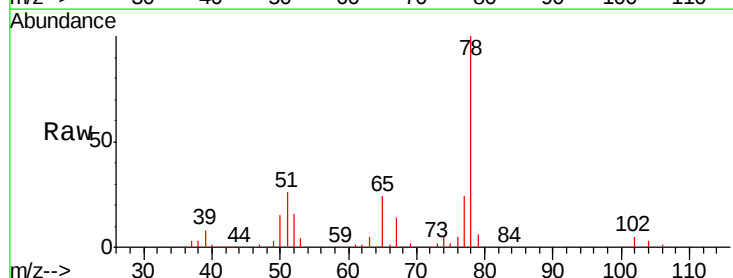
Manual Integrations
APPROVED

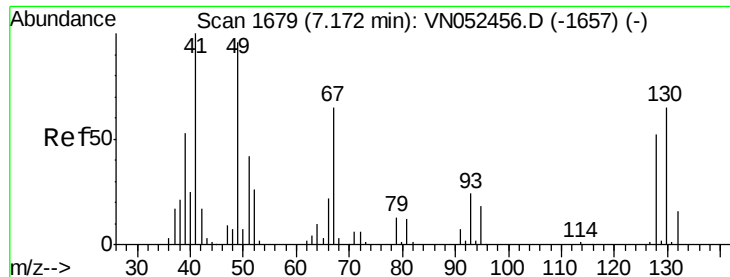
MMDadoda
11/27/2018 3:52:16 PM



#34
Benzene
Concen: 19.78 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 78 Resp: 908323
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6
51 25.9 20.5 30.7





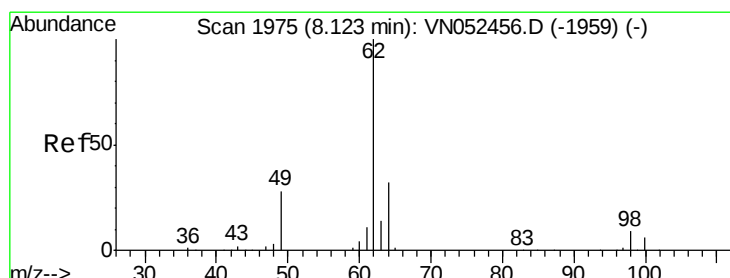
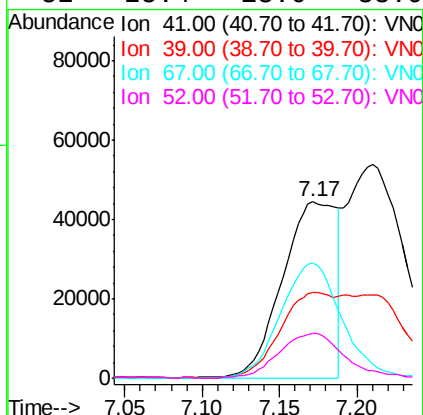
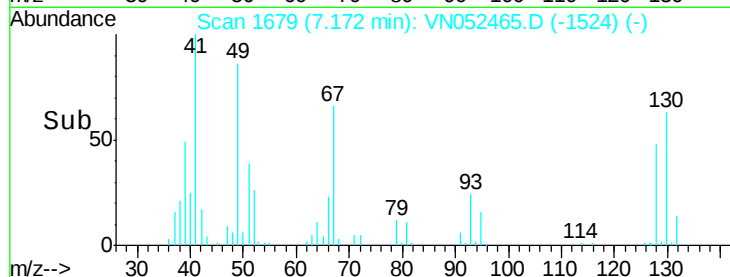
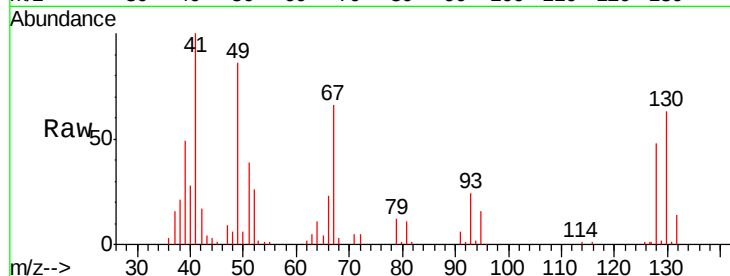
#35
Methacrylonitrile
Concen: 21.29 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	48.4	26.6	79.7
67	65.5	32.3	96.9
52	25.4	13.0	38.9

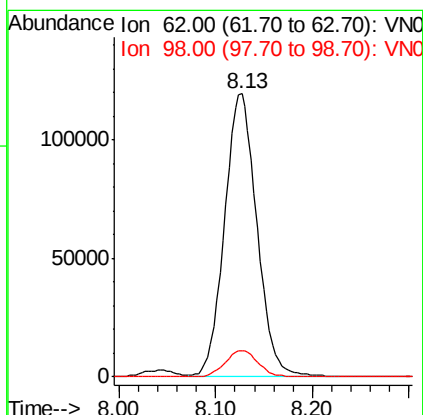
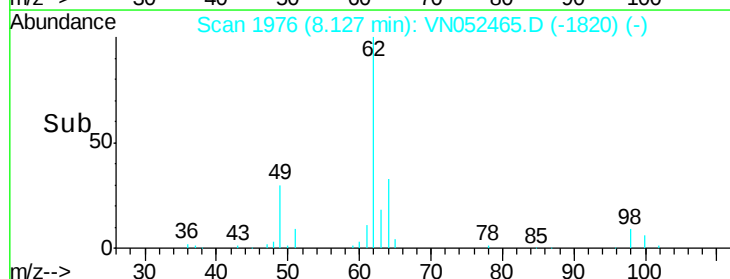
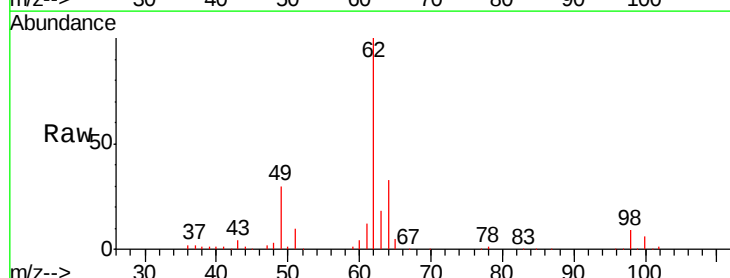
Manual Integrations
APPROVED

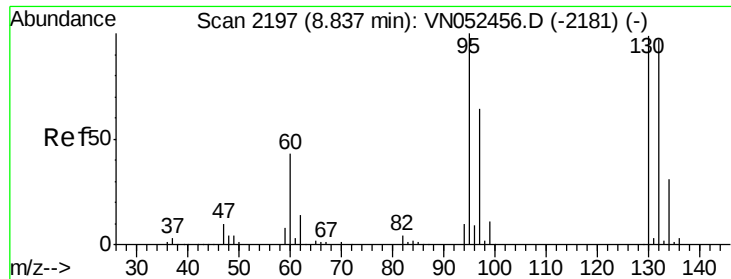
MMDadoda
11/27/2018 3:52:16 PM



#36
1,2-Dichloroethane
Concen: 19.87 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2





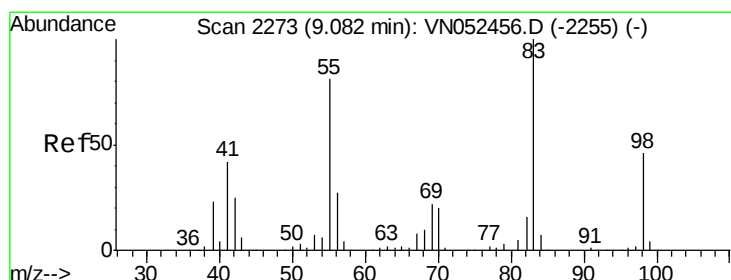
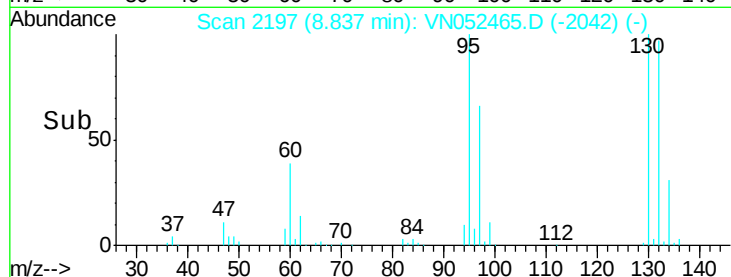
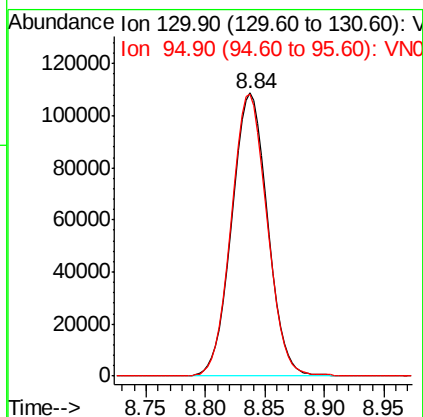
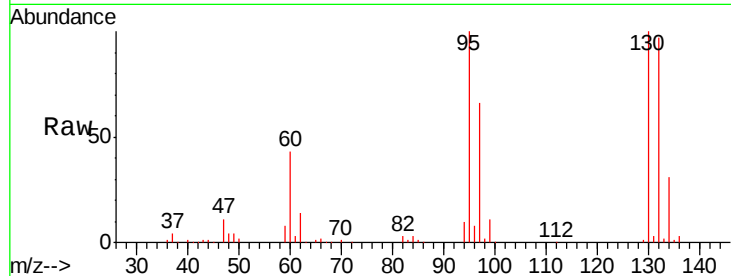
#37
 Trichloroethene
 Concen: 19.45 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 130 Resp: 226534
 Ion Ratio Lower Upper
 130 100
 95 99.9 81.0 121.4

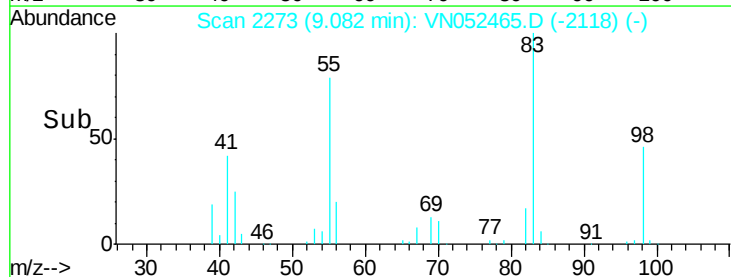
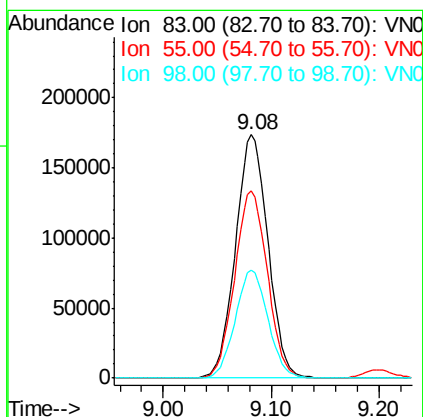
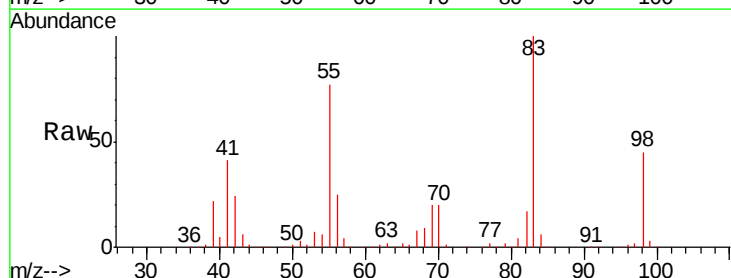
Manual Integrations
 APPROVED

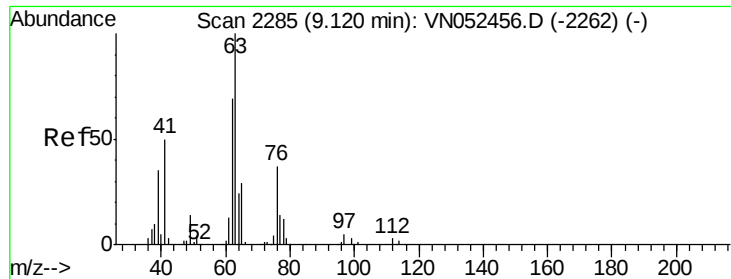
MMDadoda
 11/27/2018 3:52:16 PM



#38
 Methylcyclohexane
 Concen: 19.26 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 83 Resp: 364053
 Ion Ratio Lower Upper
 83 100
 55 77.5 39.8 119.4
 98 44.8 22.9 68.5





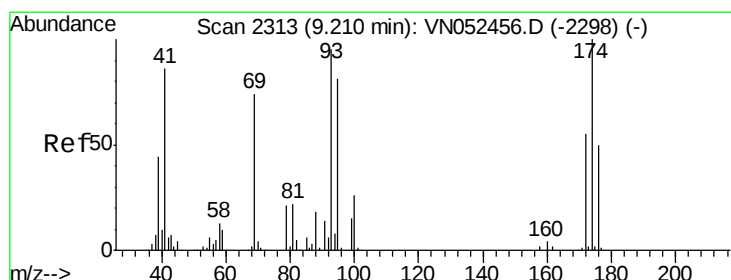
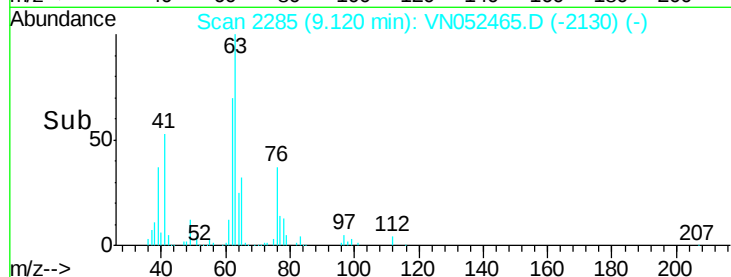
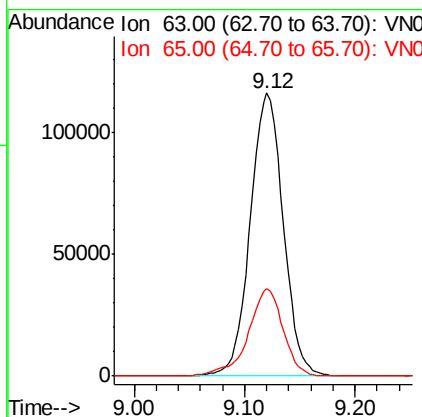
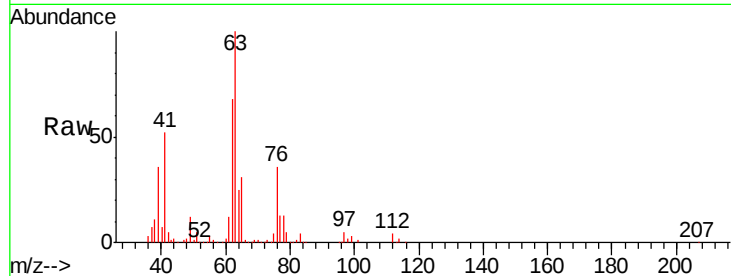
#39
 1,2-Dichloropropane
 Concen: 19.66 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 242039
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.6 35.4

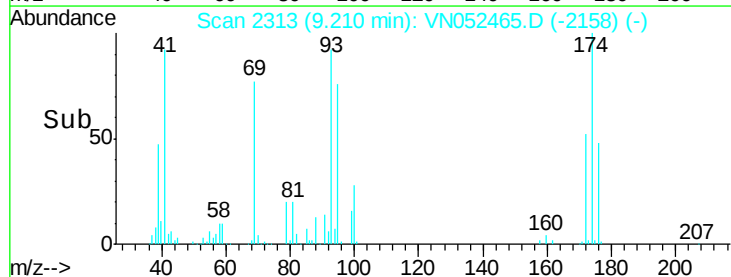
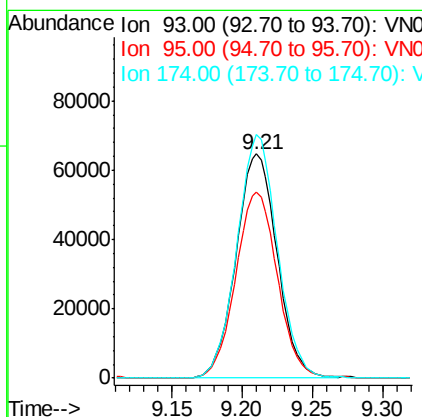
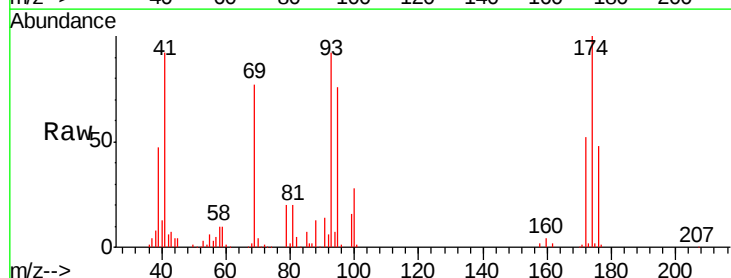
Manual Integrations
 APPROVED

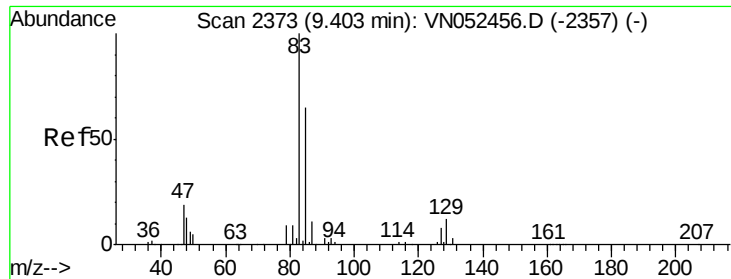
MMDadoda
 11/27/2018 3:52:16 PM



#40
 Dibromomethane
 Concen: 19.90 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion: 93 Resp: 132391
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 168.4
 174 106.6 0.0 210.0





#41

Bromodichloromethane

Concen: 19.26 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

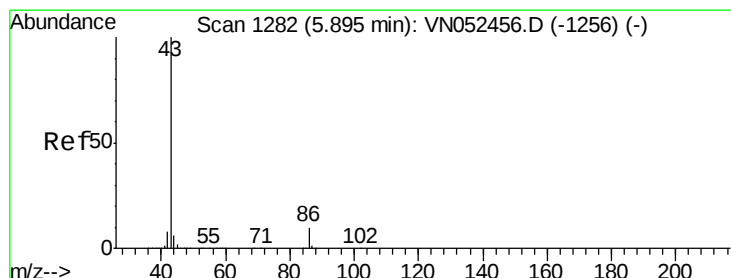
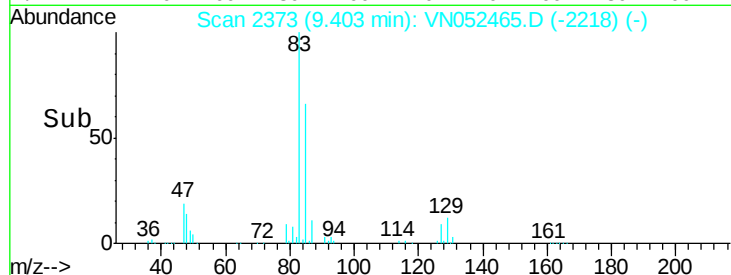
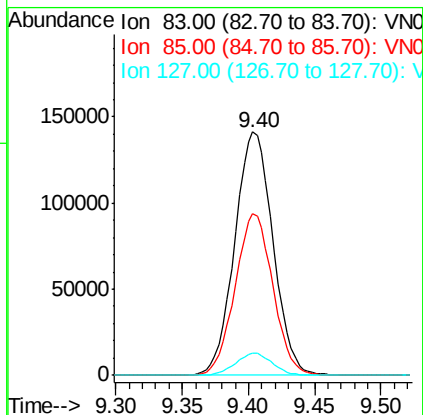
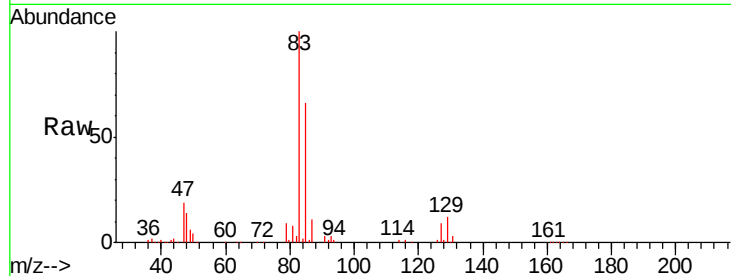
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	83	Resp:	283086
Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6
127	9.0	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#42

Vinyl Acetate

Concen: 99.49 ug/l

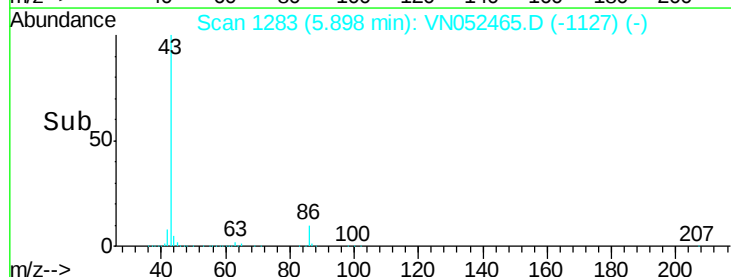
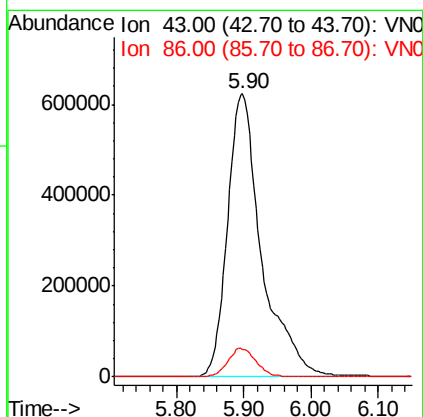
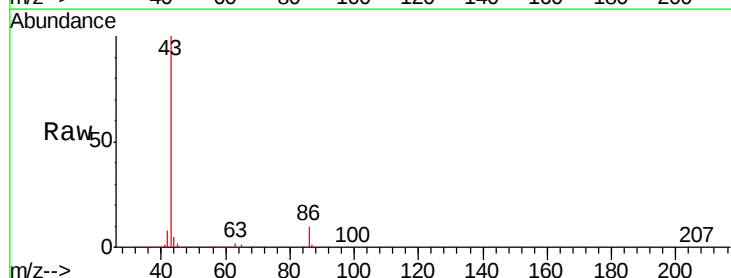
RT: 5.90 min Scan# 1283

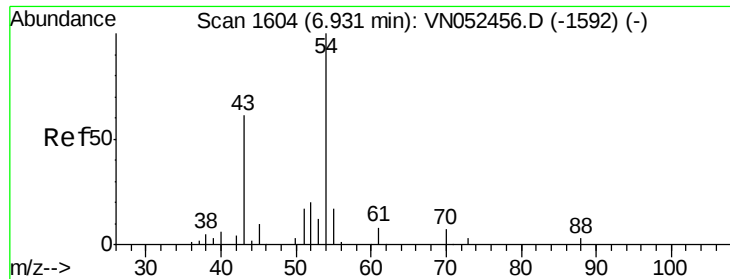
Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	43	Resp:	2200022
Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.5	9.7





#43

Ethyl Acetate

Concen: 21.78 ug/l m

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 189284

Ion Ratio Lower Upper

43 100

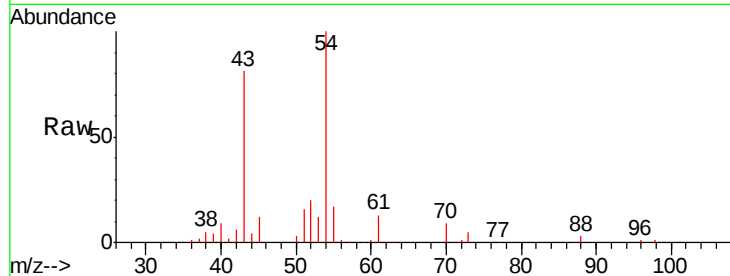
45 0.4 1.0 1.6#

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

150000

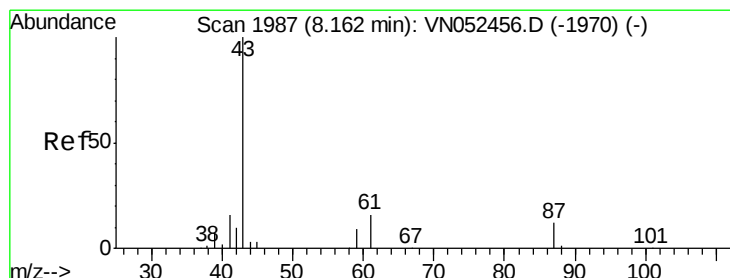
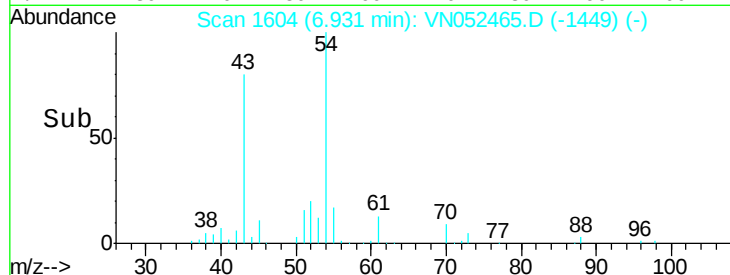
100000

50000

0

6.90 6.93 7.00

Time-->



#44

Isopropyl Acetate

Concen: 20.57 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052465.D

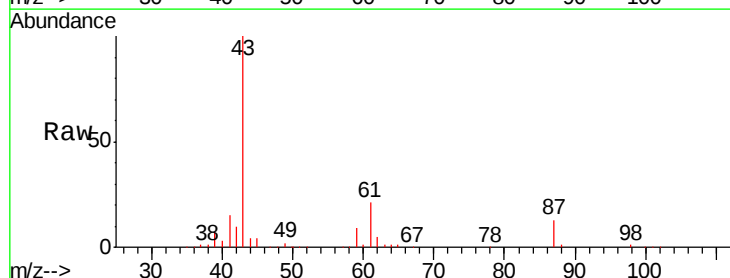
Acq: 26 Nov 2018 18:04

Tgt Ion: 43 Resp: 313485

Ion Ratio Lower Upper

43 100

61 18.3 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

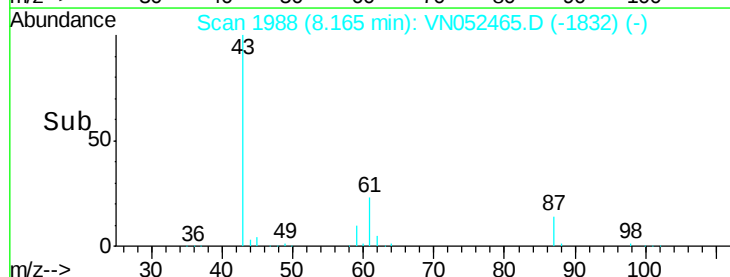
100000

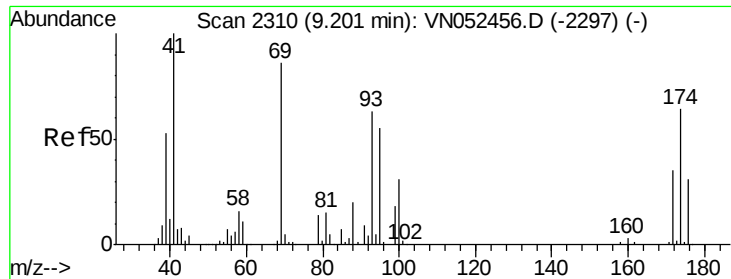
50000

0

8.05 8.10 8.15 8.17 8.20 8.25

Time-->





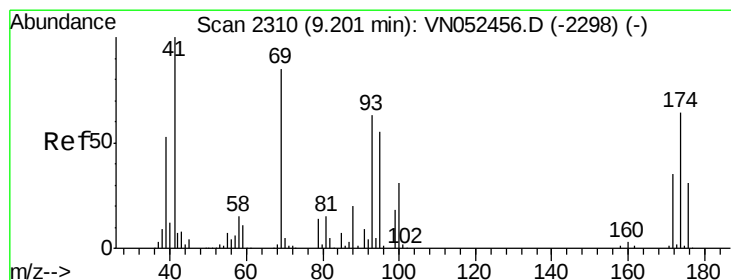
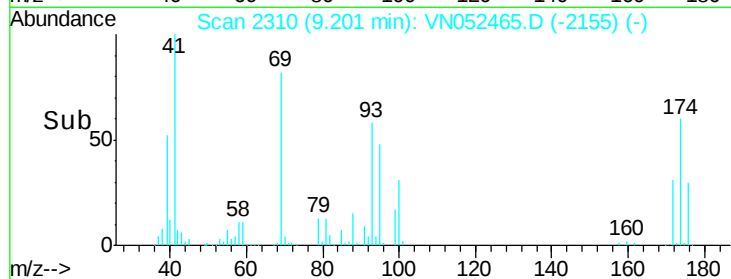
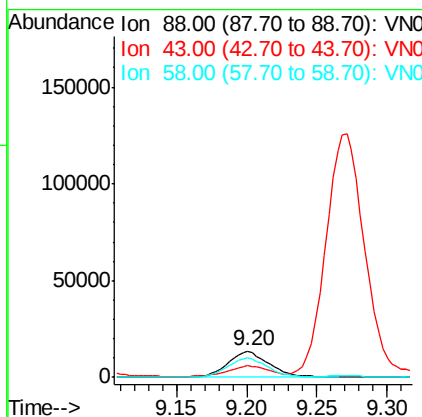
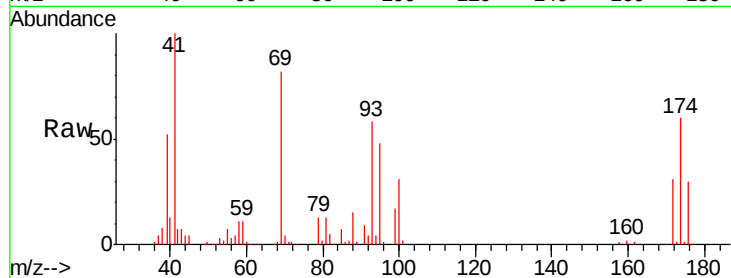
#45
 1,4-Dioxane
 Concen: 332.01 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.8	29.5	44.3
58	70.8	61.5	92.3

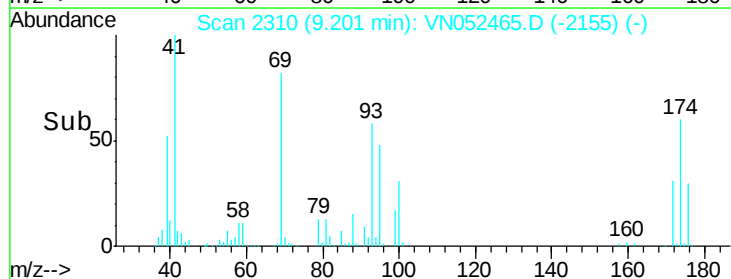
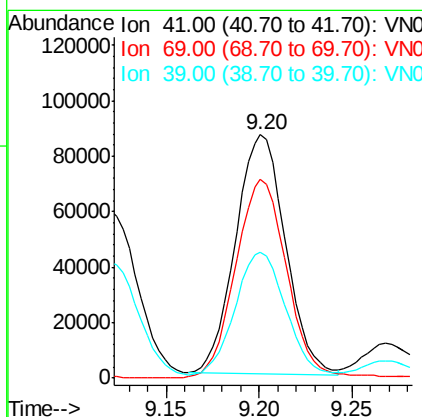
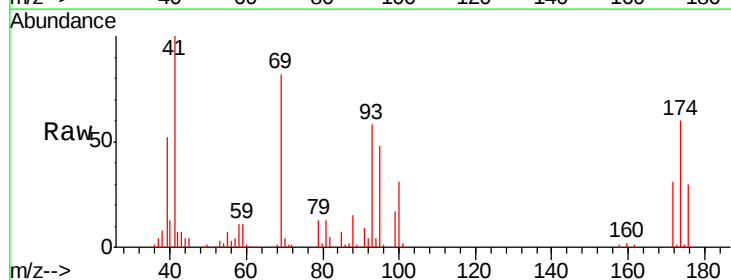
Manual Integrations
 APPROVED

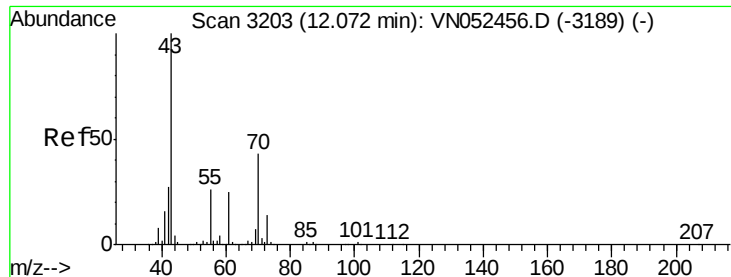
MMDadoda
 11/27/2018 3:52:16 PM



#46
 Methyl methacrylate
 Concen: 20.37 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.1	42.5	127.6
39	51.5	26.3	78.9





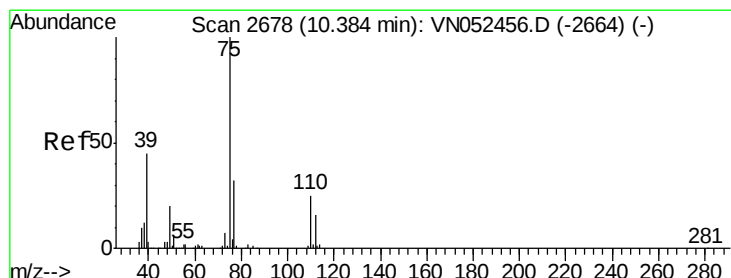
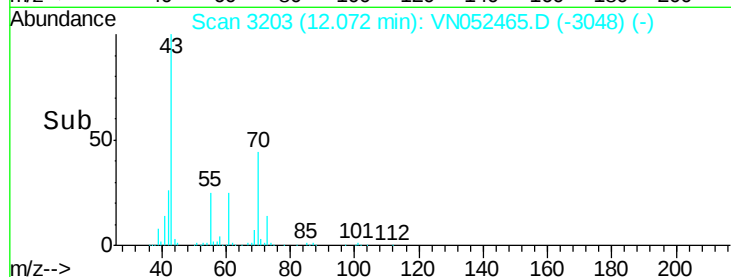
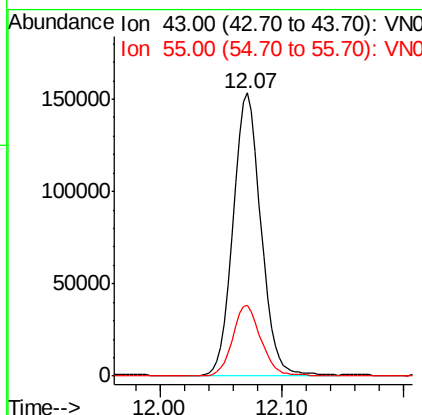
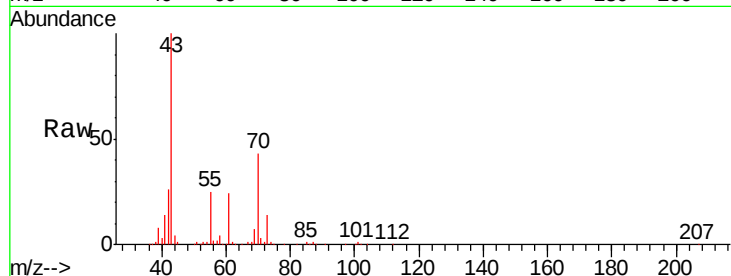
#47
n-amyl Acetate
Concen: 19.20 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 242685
Ion Ratio Lower Upper
43 100
55 25.5 21.1 31.7

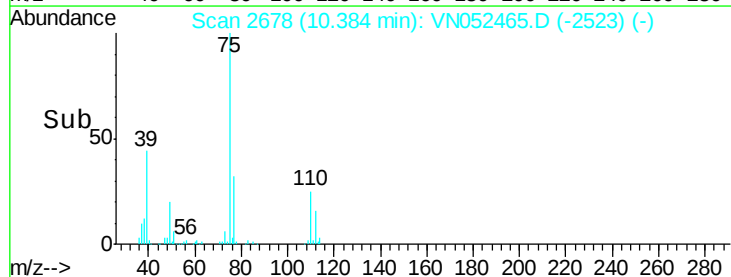
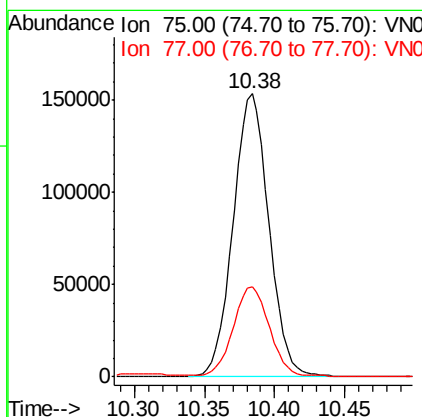
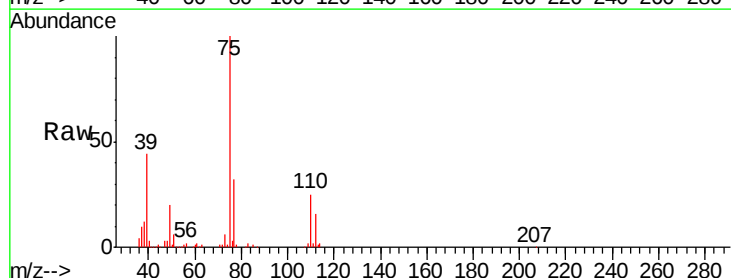
Manual Integrations
APPROVED

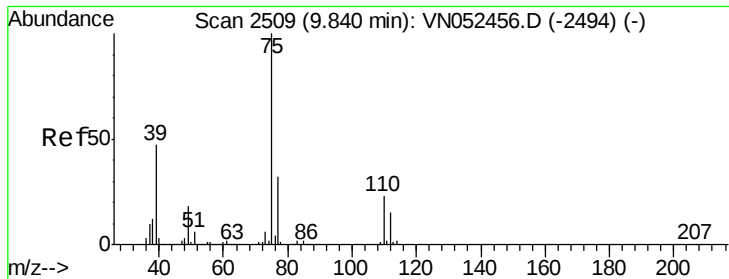
MMDadoda
11/27/2018 3:52:16 PM



#48
t-1,3-Dichloropropene
Concen: 19.16 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 75 Resp: 273040
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 19.34 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

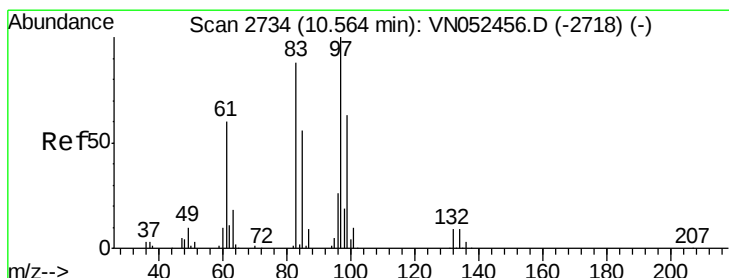
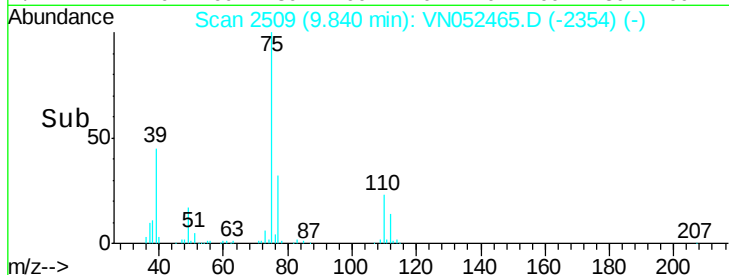
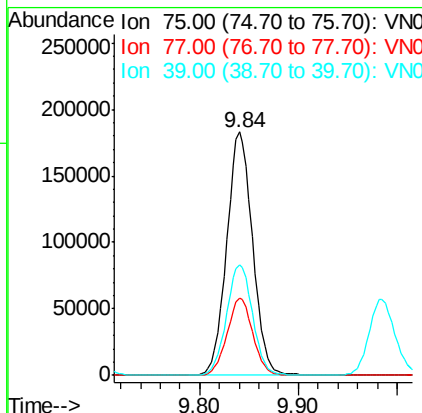
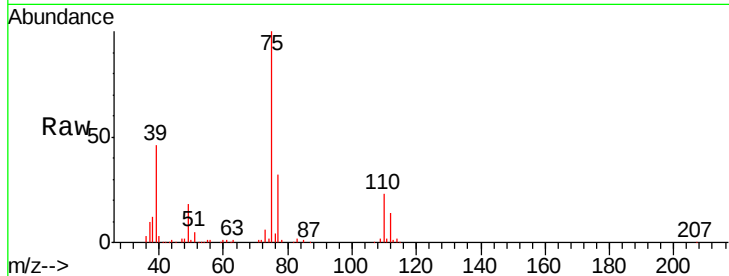
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	75	Resp:	335816
Ion Ratio	Lower	Upper	
75	100		
77	31.9	25.4	38.0
39	45.4	37.3	55.9

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#50

1,1,2-Trichloroethane

Concen: 20.38 ug/l

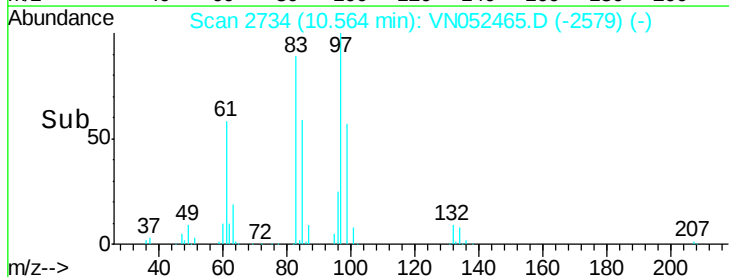
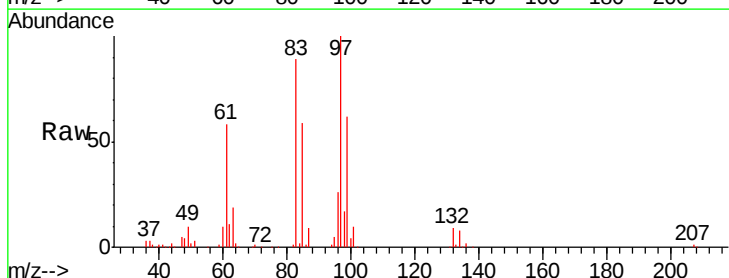
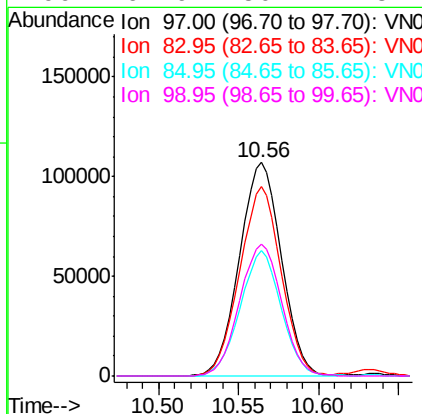
RT: 10.56 min Scan# 2734

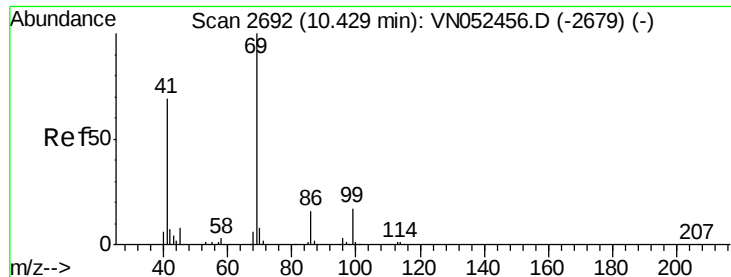
Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	97	Resp:	192186
Ion Ratio	Lower	Upper	
97	100		
83	88.7	70.4	105.6
85	58.6	45.0	67.6
99	61.9	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.64 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

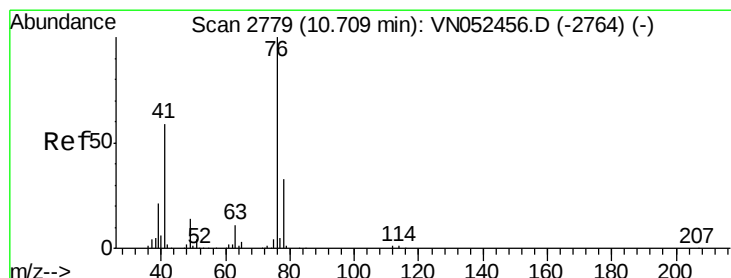
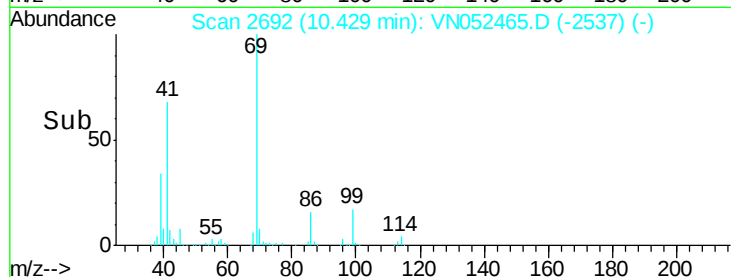
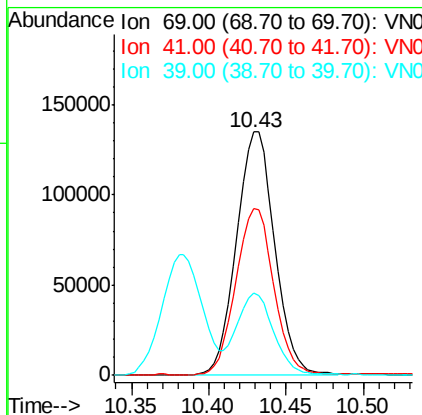
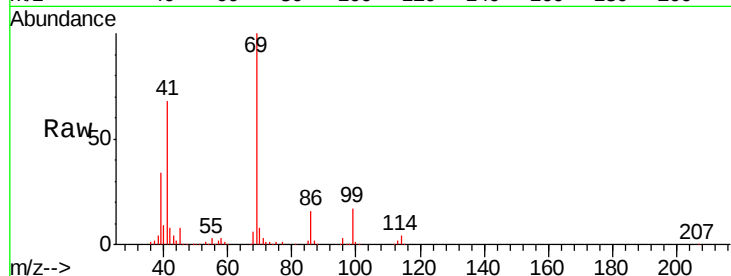
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	69	Resp:	232532
Ion	Ratio	Lower	Upper
69	100		
41	68.0	34.4	103.3
39	33.3	16.4	49.2

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#52

1,3-Dichloropropane

Concen: 19.95 ug/l

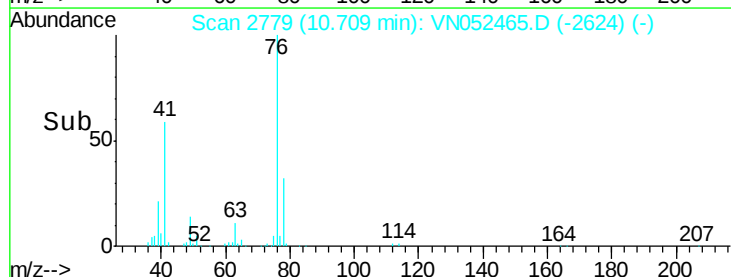
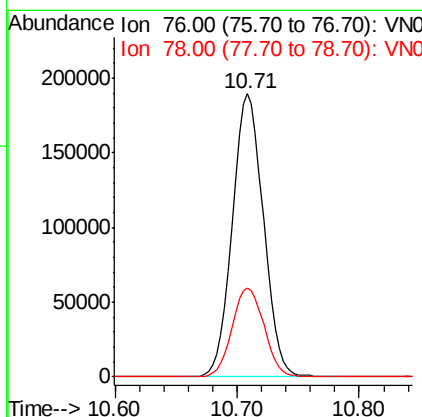
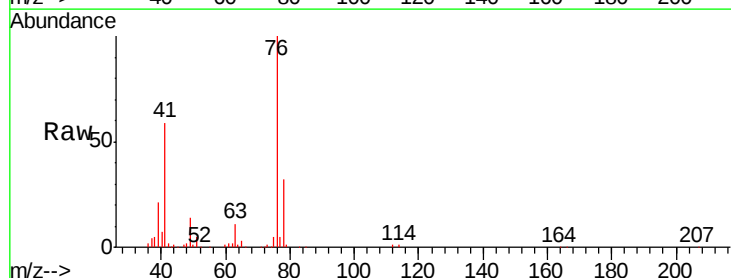
RT: 10.71 min Scan# 2779

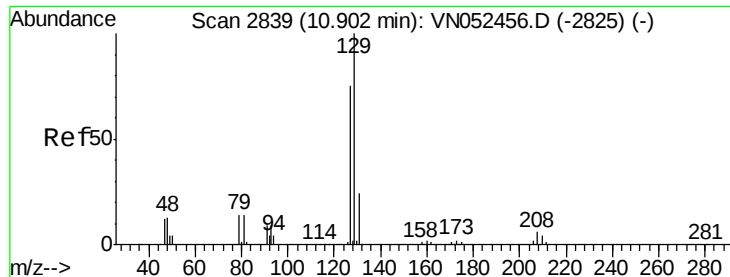
Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	76	Resp:	334818
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	64.8





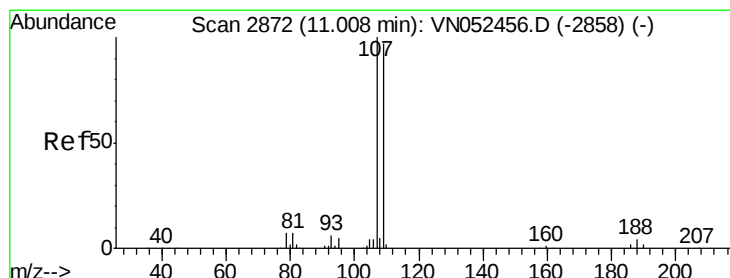
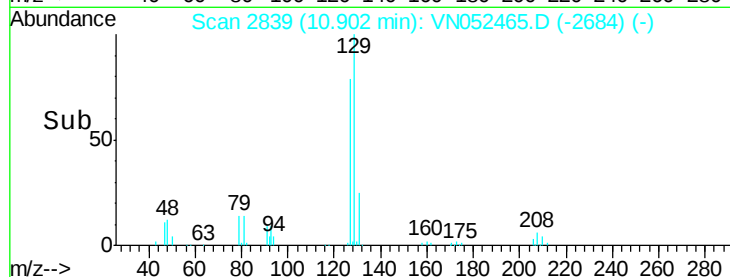
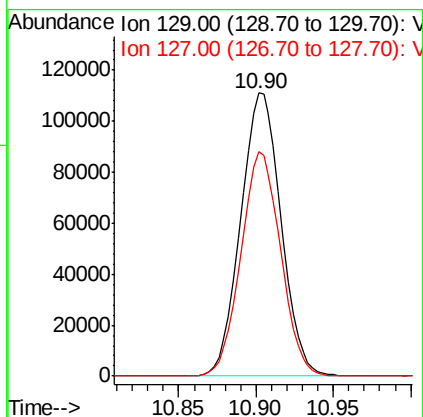
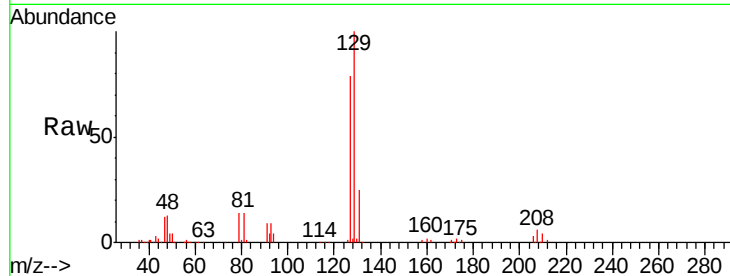
#53
Dibromochloromethane
Concen: 19.47 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 202160
Ion Ratio Lower Upper
129 100
127 77.7 37.6 112.8

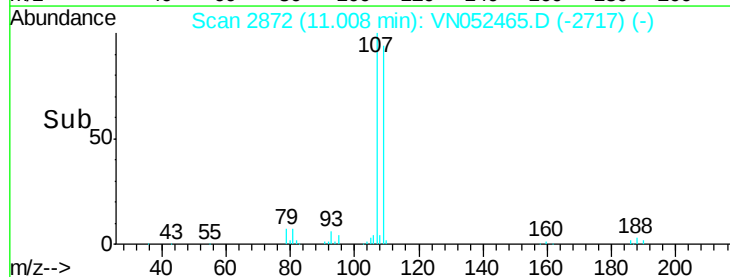
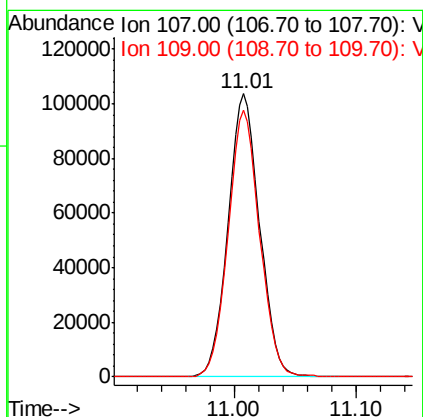
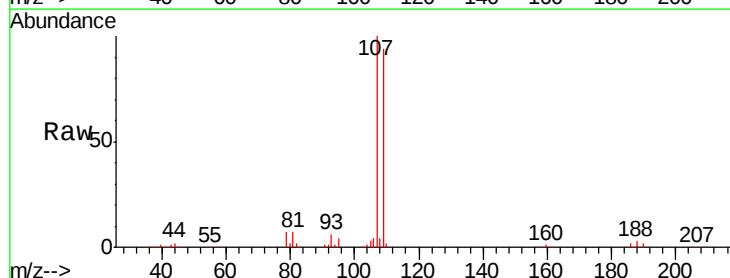
Manual Integrations
APPROVED

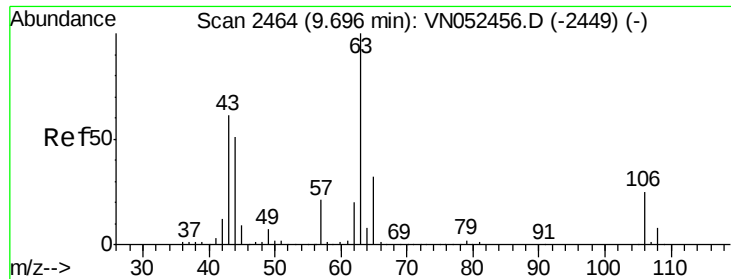
MMDadoda
11/27/2018 3:52:16 PM



#54
1,2-Dibromoethane
Concen: 20.24 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion:107 Resp: 186492
Ion Ratio Lower Upper
107 100
109 93.9 77.1 115.7





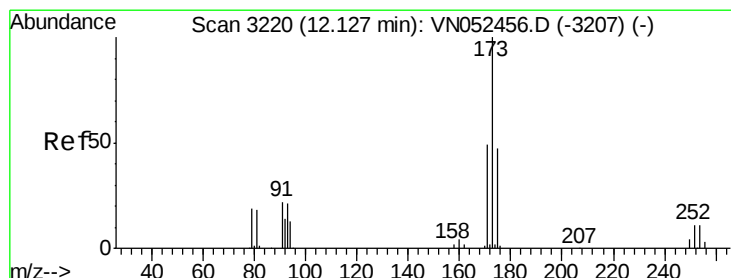
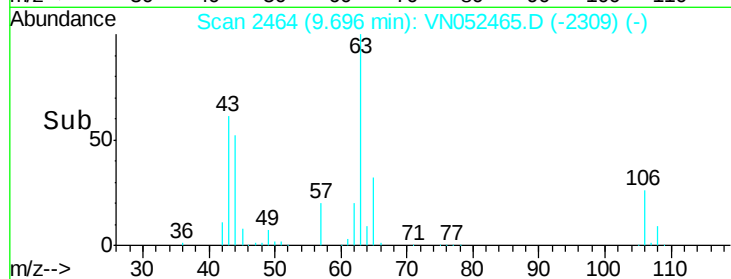
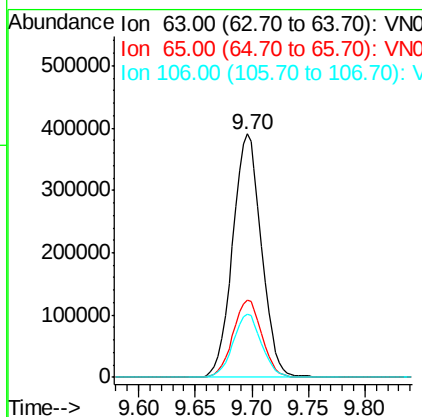
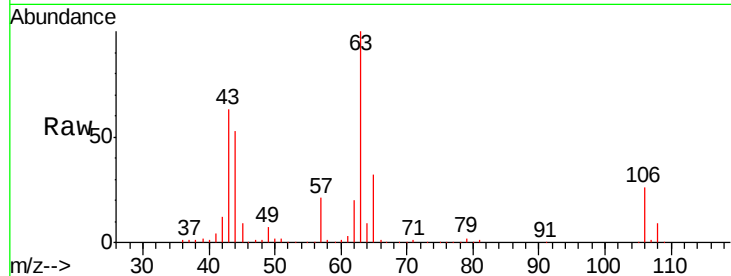
#55
 2-Chloroethyl vinyl ether
 Concen: 99.86 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	25.6	20.4	30.6

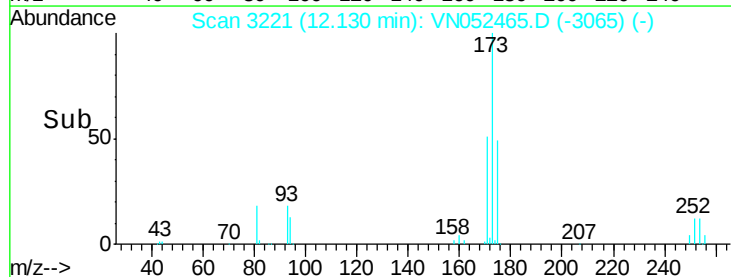
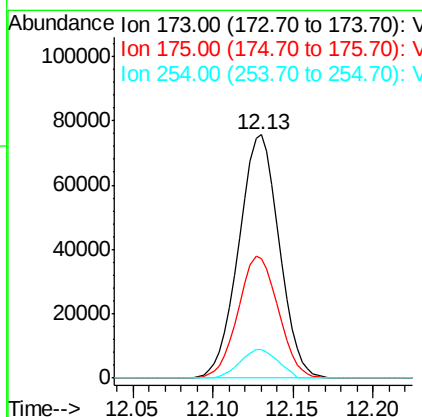
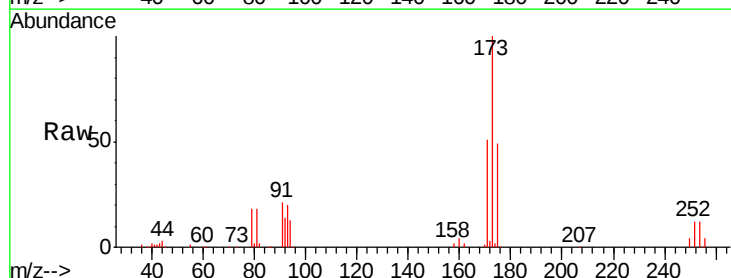
Manual Integrations
 APPROVED

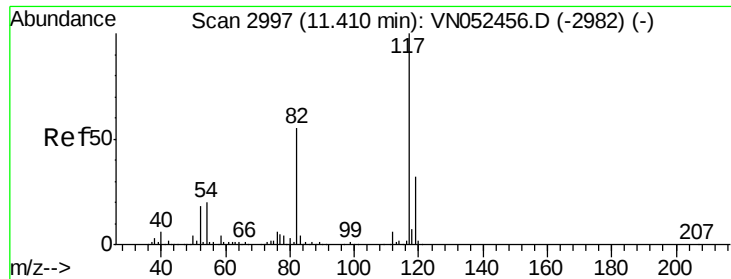
MMDadoda
 11/27/2018 3:52:16 PM



#56
 Bromoform
 Concen: 19.22 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. 0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	38.7	58.1
254	10.8	8.4	12.6





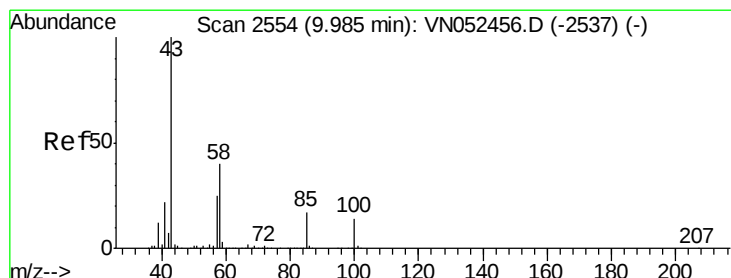
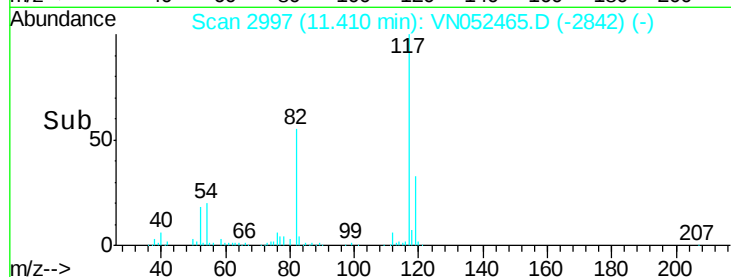
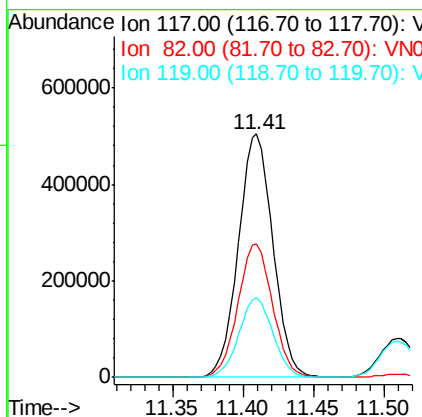
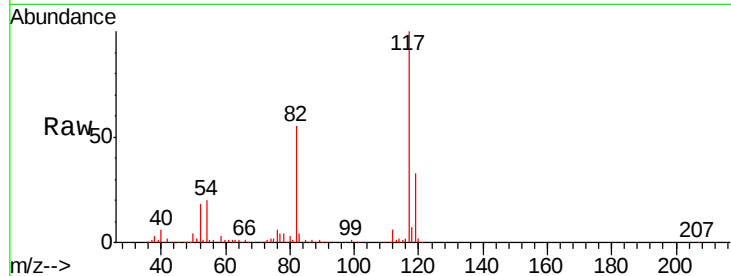
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	867355		
82	55.1	44.2	66.2	
119	32.2	25.4	38.2	

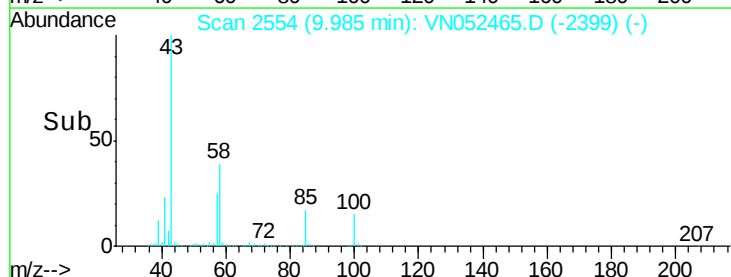
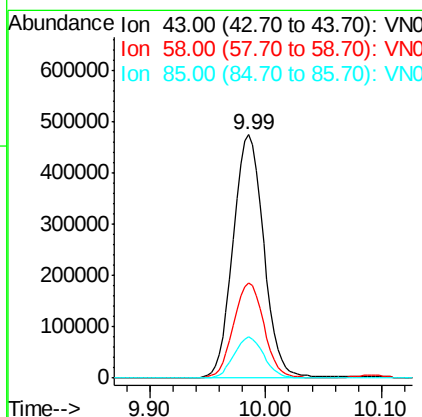
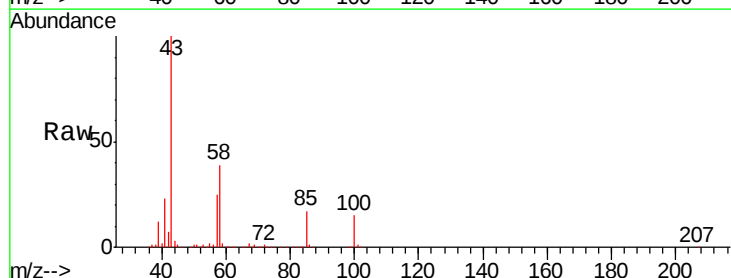
Manual Integrations
APPROVED

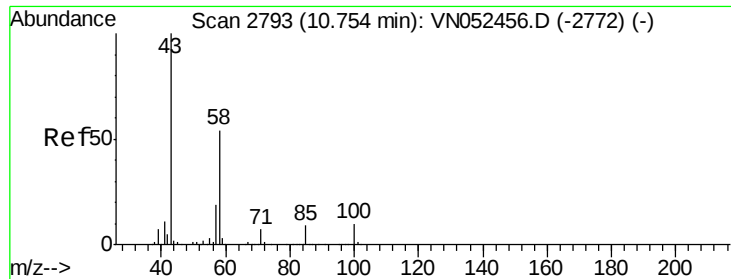
MMDadoda
11/27/2018 3:52:16 PM



#58
4-Methyl-2-Pentanone
Concen: 103.26 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	868313		
58	39.1	31.6	47.4	
85	16.7	13.3	19.9	





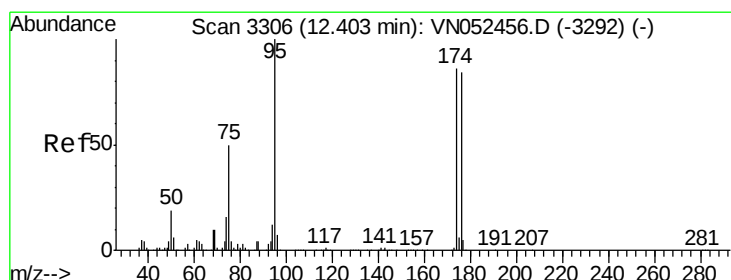
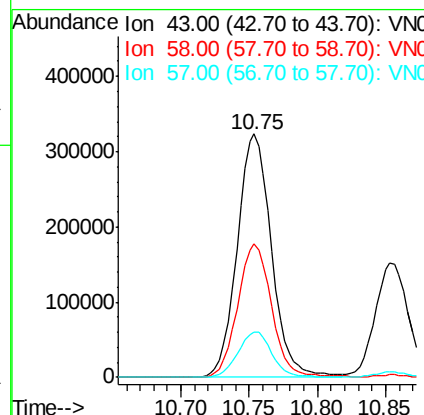
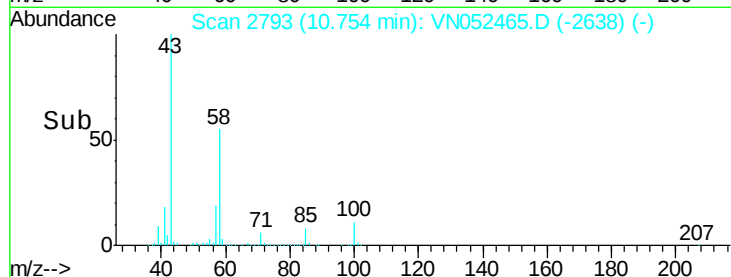
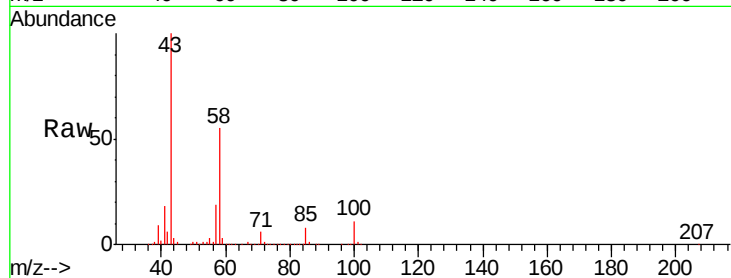
#59
2-Hexanone
Concen: 97.69 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.2	64.8
57	18.8	14.9	22.3

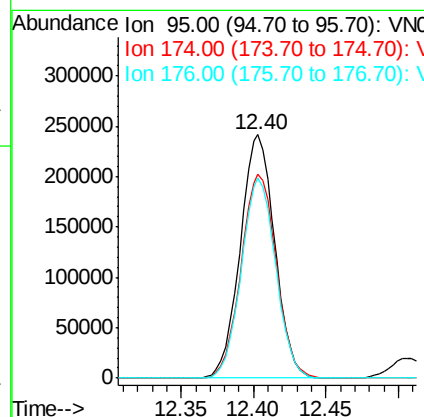
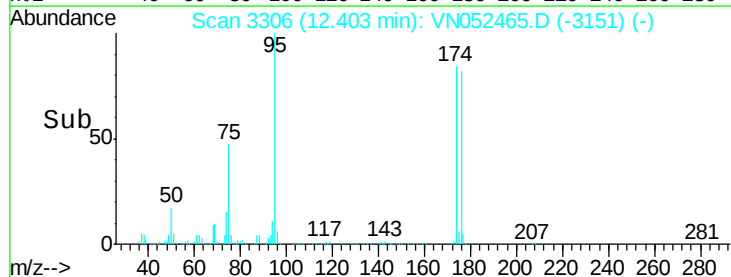
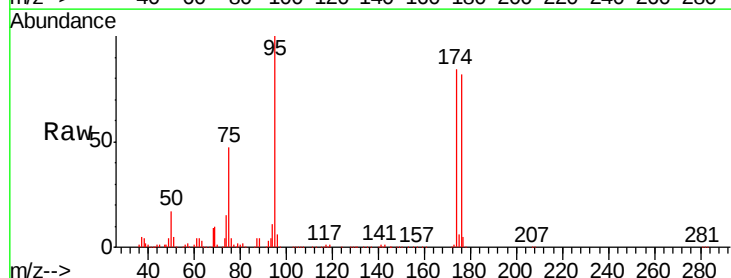
Manual Integrations
APPROVED

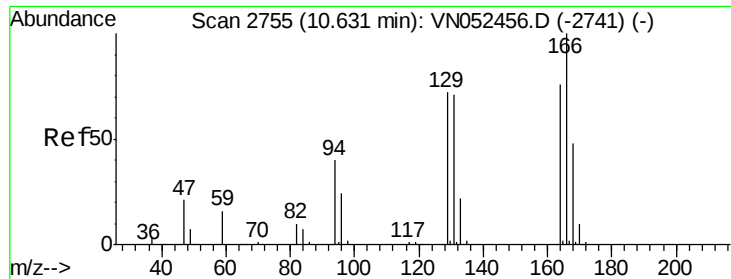
MMDadoda
11/27/2018 3:52:16 PM



#60
4-Bromofluorobenzene
Concen: 97.69 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.9	67.9	101.9
176	82.2	66.4	99.6





#61

Tetrachloroethene

Concen: 19.92 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 164 Resp: 212760

Ion Ratio Lower Upper

164 100

166 131.1 104.6 157.0

129 95.4 75.3 112.9

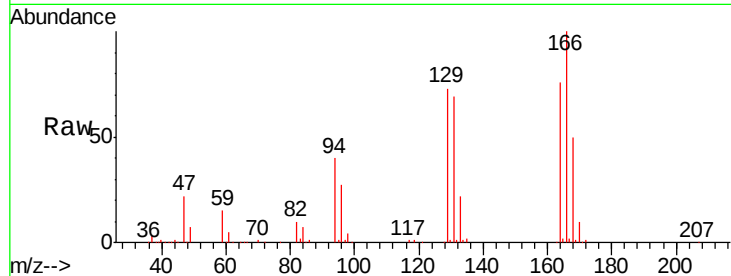
131 90.7 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:16 PM

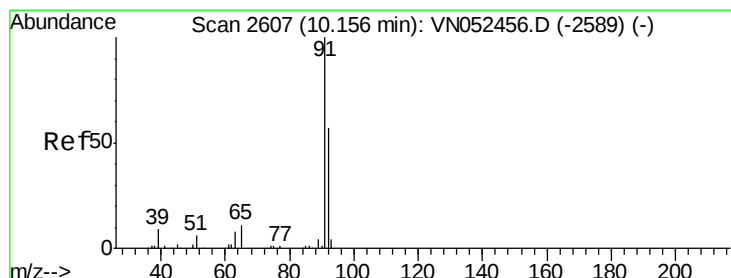
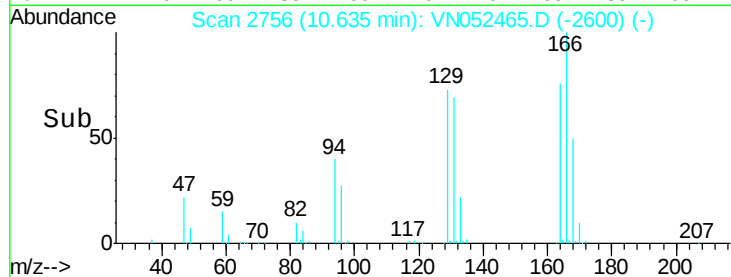
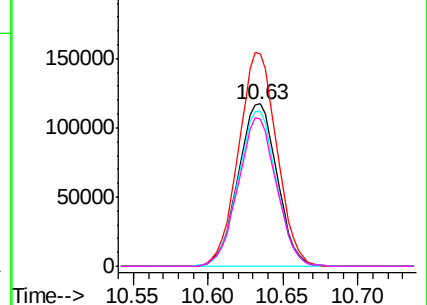


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.97 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052465.D

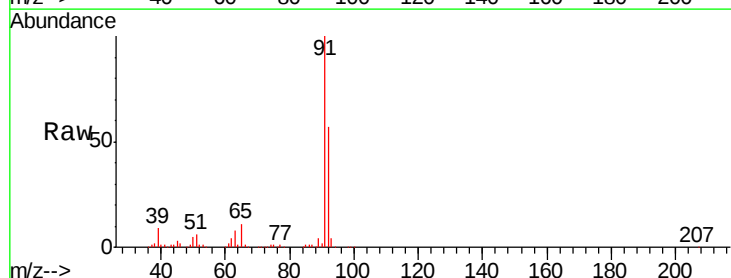
Acq: 26 Nov 2018 18:04

Tgt Ion: 91 Resp: 954942

Ion Ratio Lower Upper

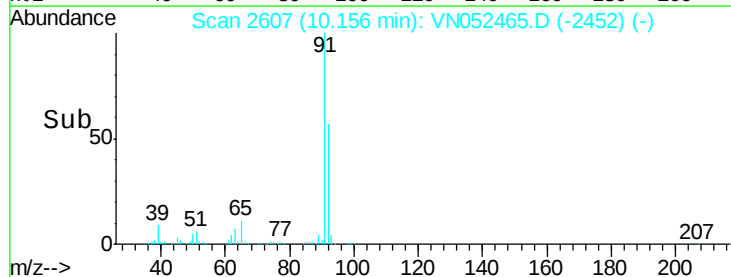
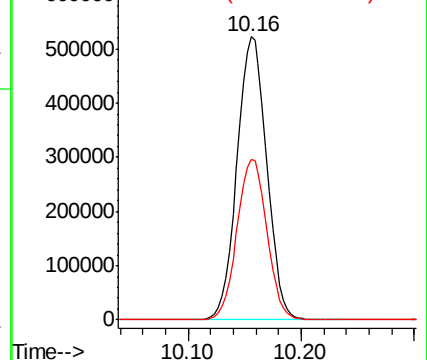
91 100

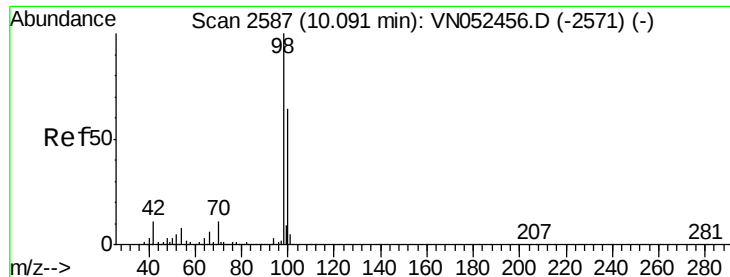
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





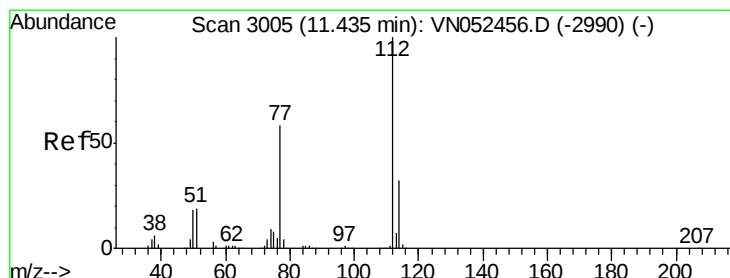
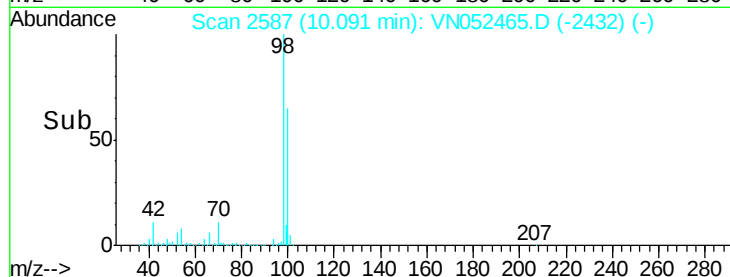
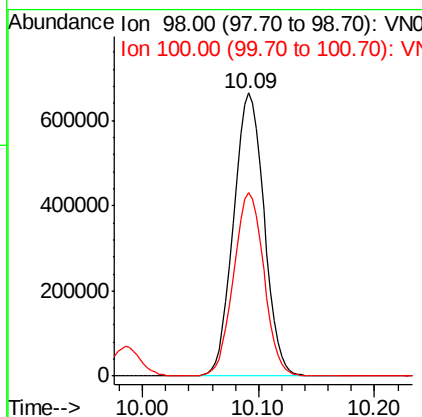
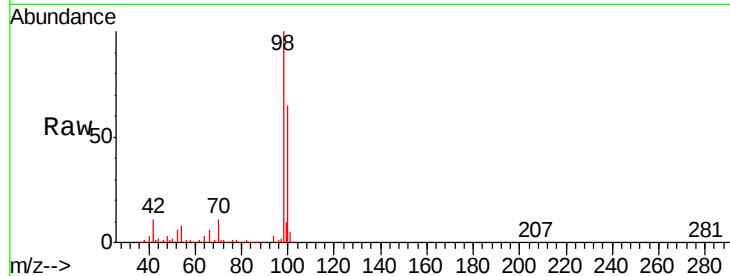
#63
Toluene-d8
Concen: 19.97 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 1211046
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

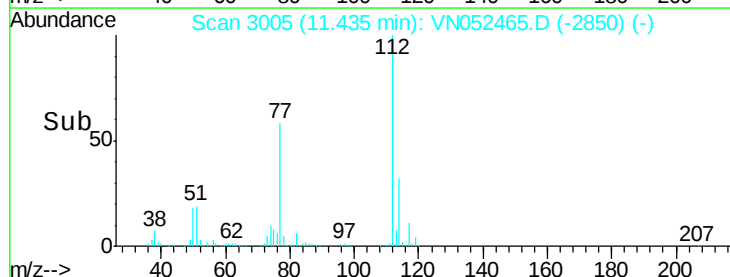
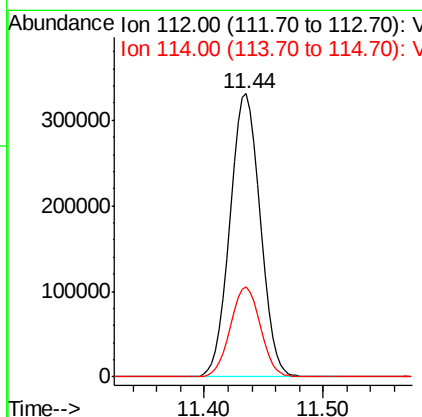
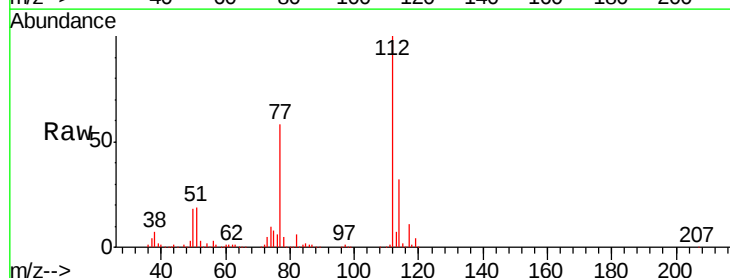
Manual Integrations
APPROVED

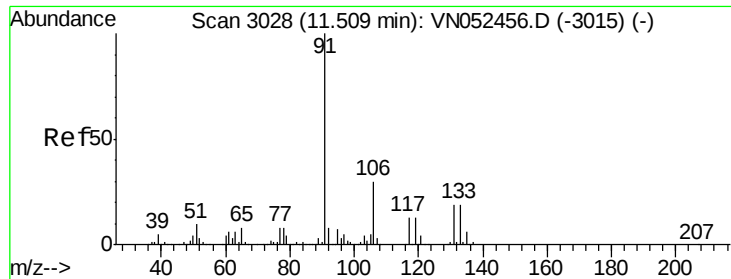
MMDadoda
11/27/2018 3:52:16 PM



#64
Chlorobenzene
Concen: 20.03 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion: 112 Resp: 584512
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.78 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

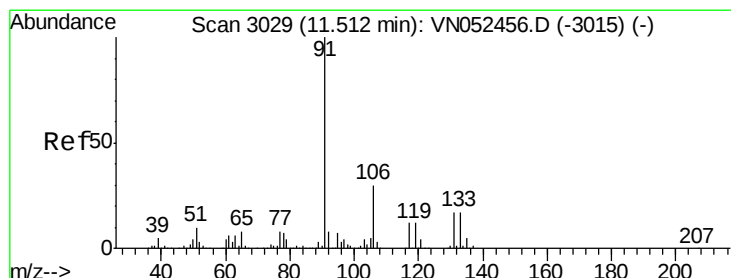
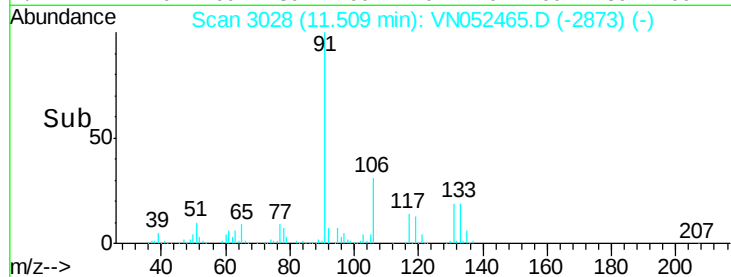
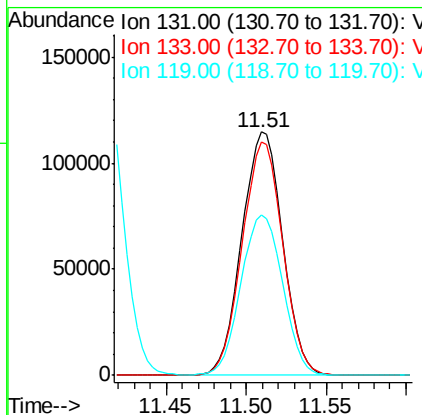
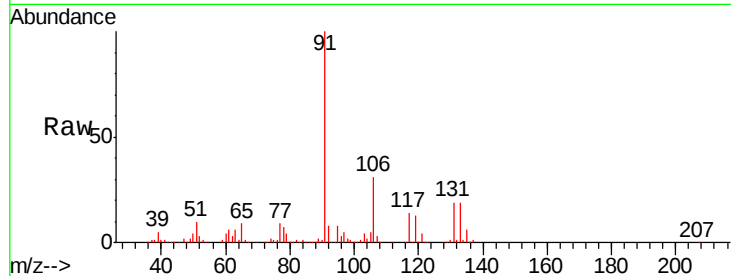
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	131	Resp:	200377
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	193.4
119	66.9	0.0	133.0

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#66

Ethyl Benzene

Concen: 19.72 ug/l

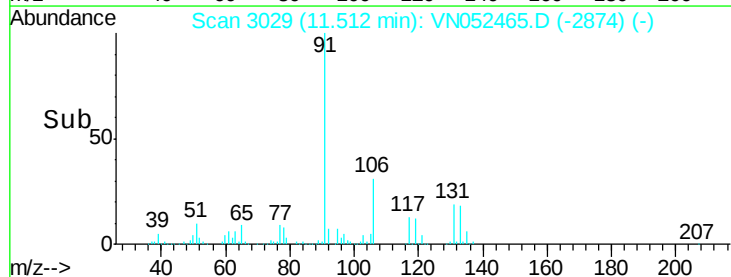
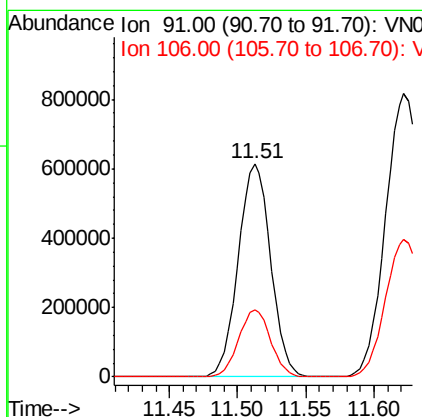
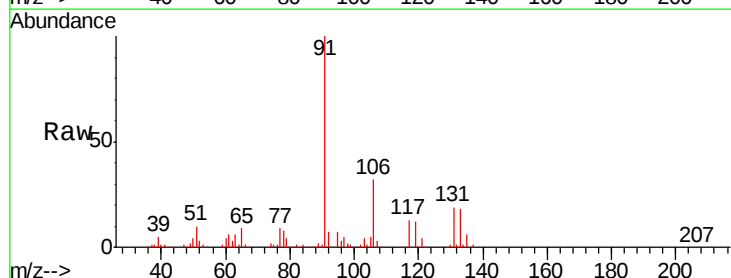
RT: 11.51 min Scan# 3029

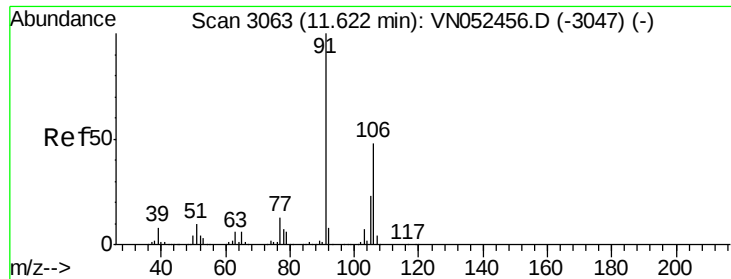
Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	91	Resp:	1016043
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.3	36.5





#67

m/p-Xylenes

Concen: 39.58 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:106 Resp: 759950

Ion Ratio Lower Upper

106 100

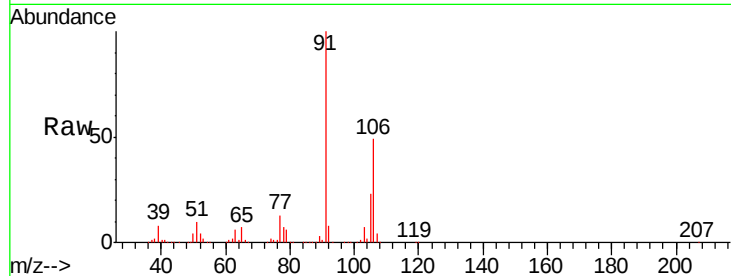
91 204.5 163.9 245.9

Manual Integrations

APPROVED

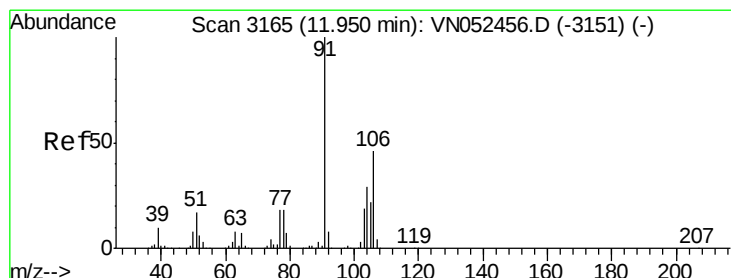
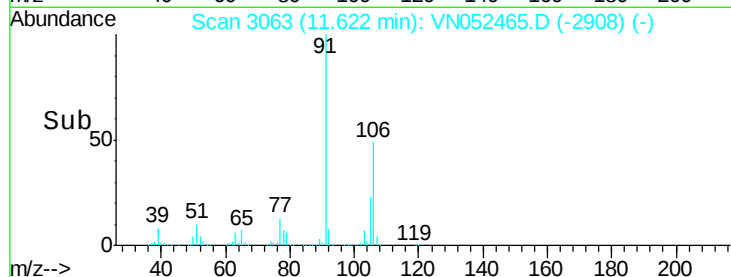
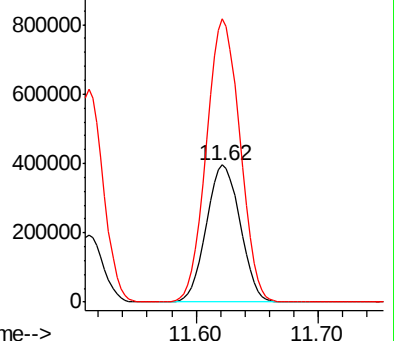
MMDadoda

11/27/2018 3:52:16 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.99 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN052465.D

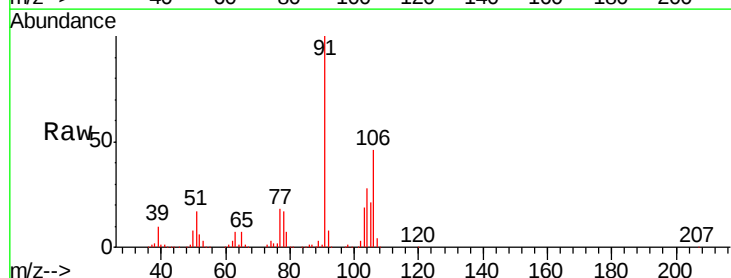
Acq: 26 Nov 2018 18:04

Tgt Ion:106 Resp: 372484

Ion Ratio Lower Upper

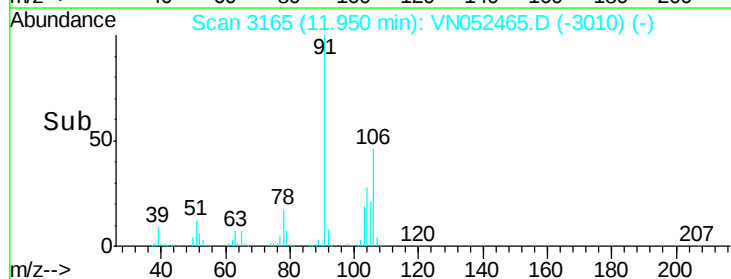
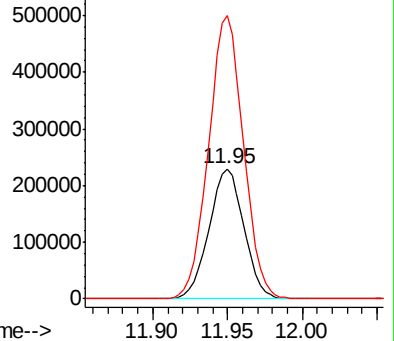
106 100

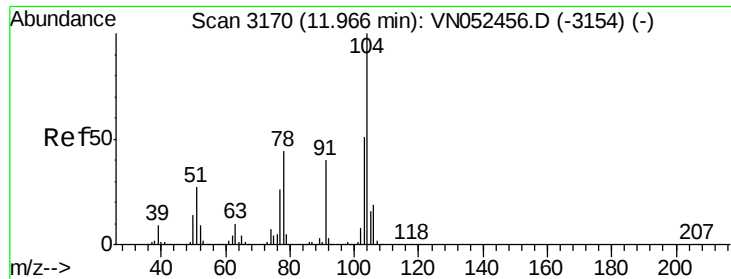
91 217.0 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





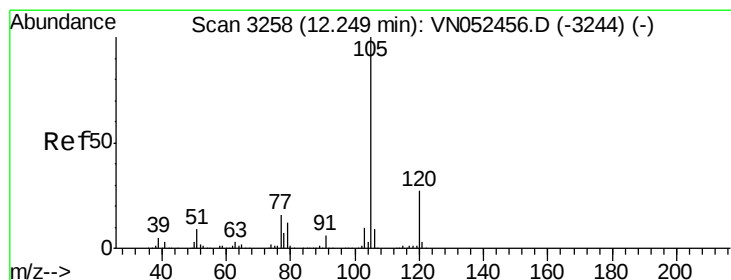
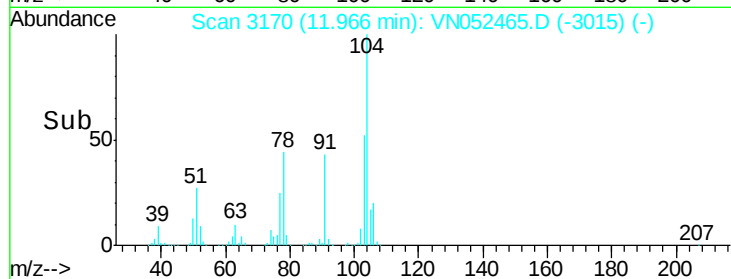
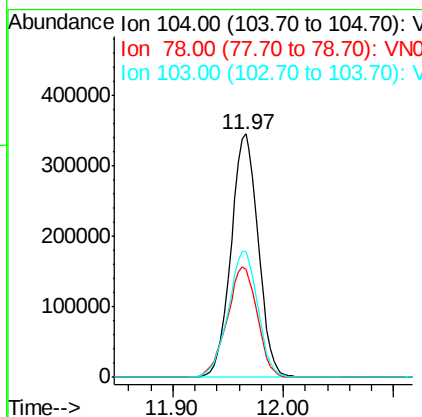
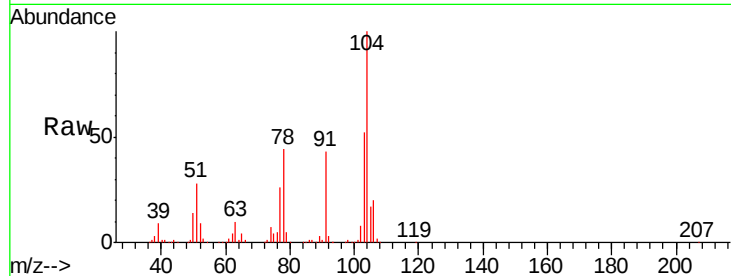
#69
Styrene
Concen: 19.60 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	589642		
78	50.1	39.3	58.9	
103	56.4	44.6	66.8	

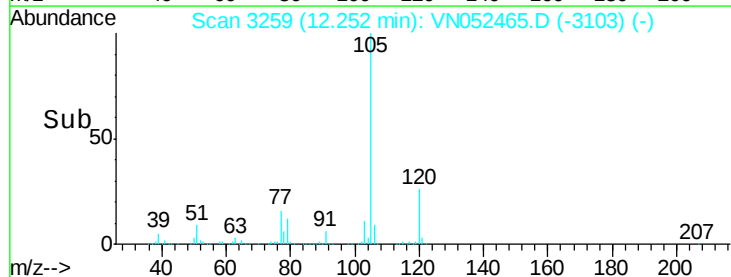
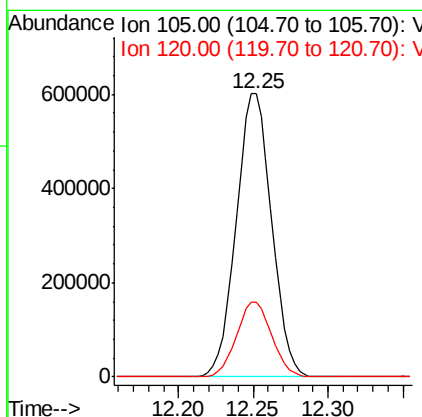
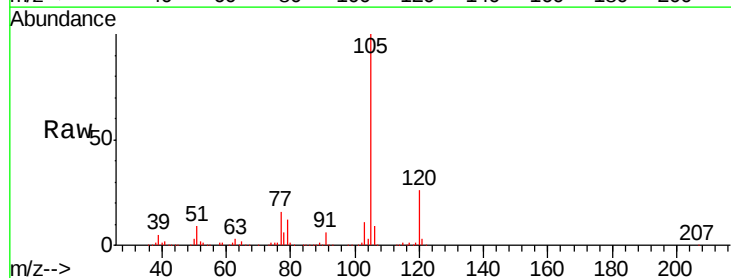
Manual Integrations
APPROVED

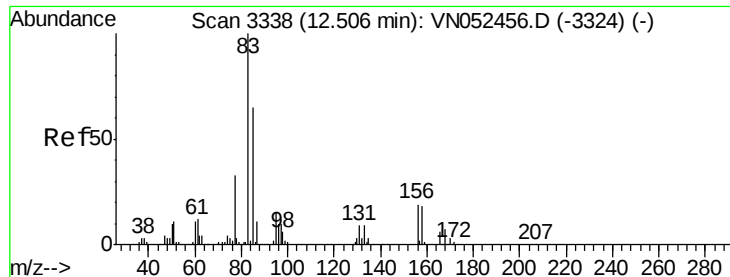
MMDadoda
11/27/2018 3:52:16 PM



#70
Isopropylbenzene
Concen: 19.97 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	990054		
120	26.2	18.6	34.6	





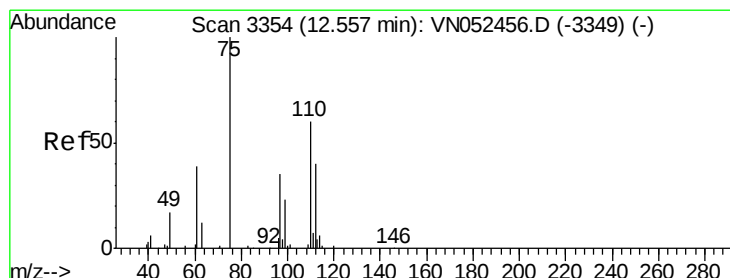
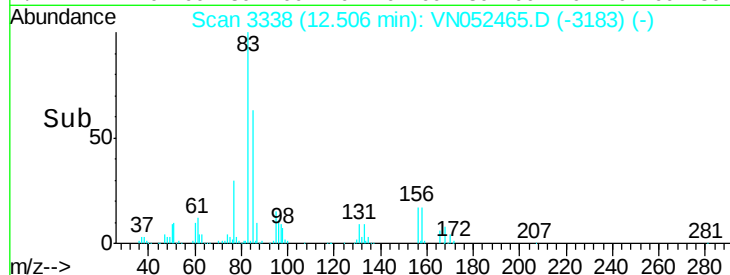
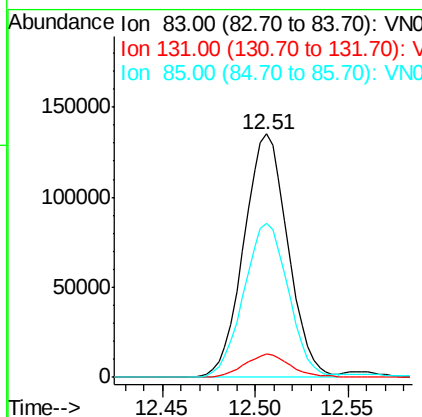
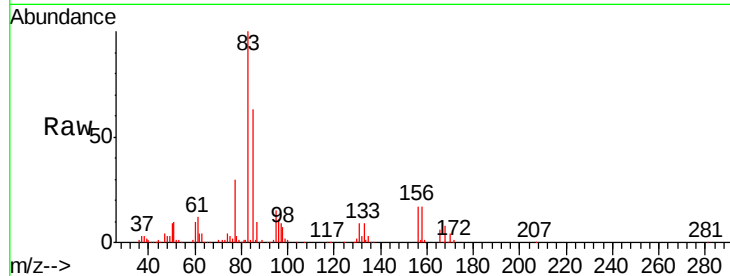
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.67 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	222972		
131	9.9	4.9	14.6	
85	64.2	32.2	96.6	

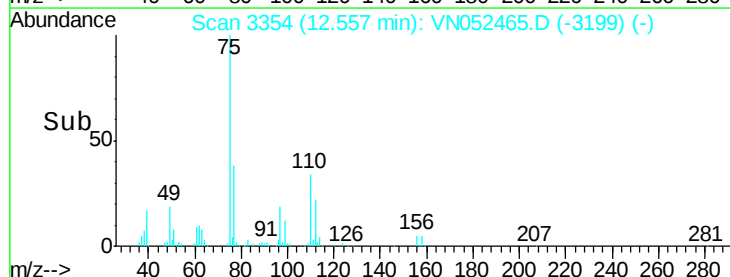
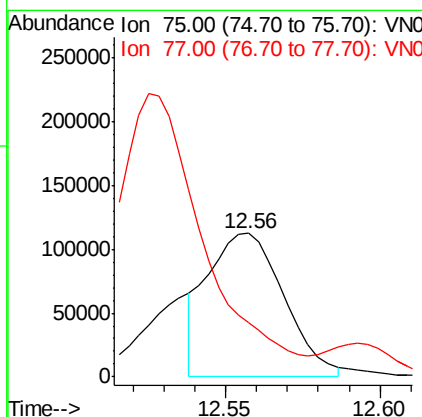
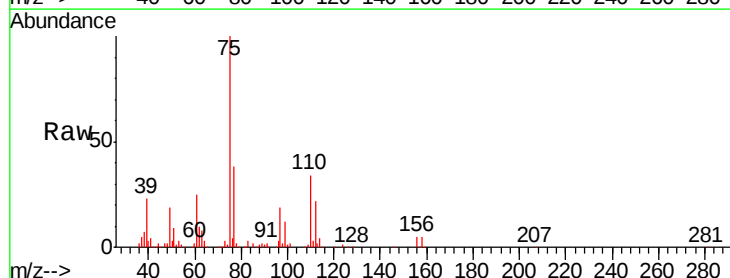
Manual Integrations
 APPROVED

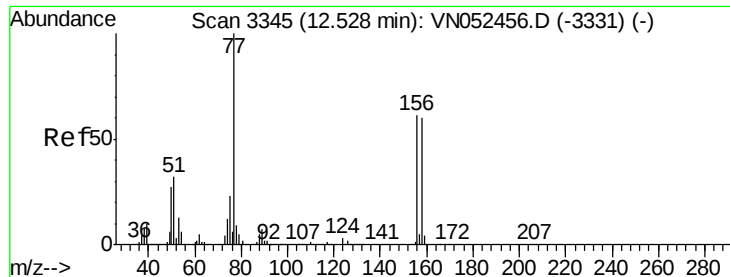
MMDadoda
 11/27/2018 3:52:16 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.79 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	192454		
77	231.6	0.0	514.8	





#73

Bromobenzene

Concen: 19.89 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

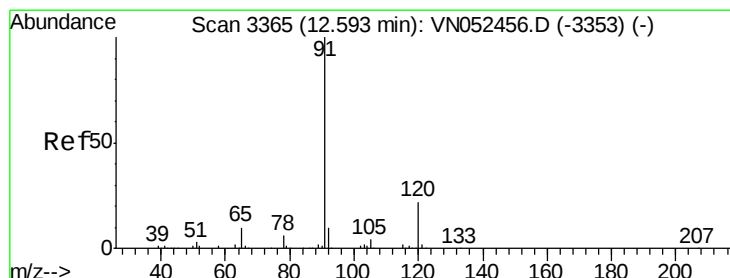
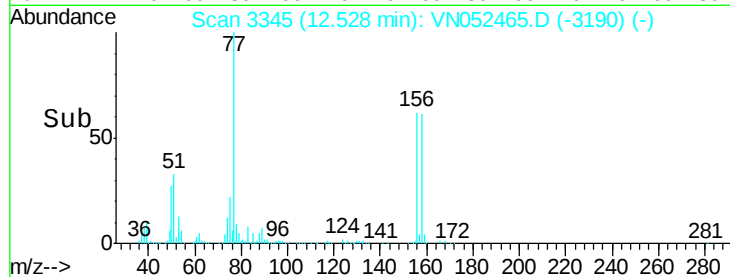
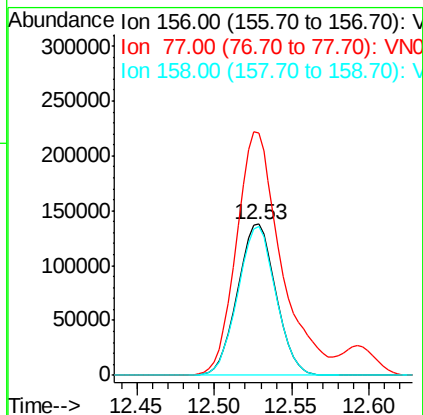
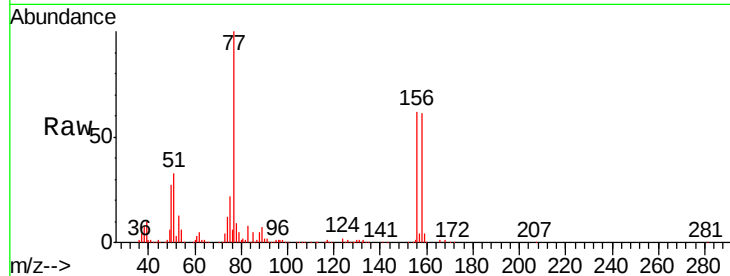
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	156	Resp:	238463
Ion Ratio	Lower	Upper	
156	100		
77	186.9	0.0	382.6
158	97.5	0.0	196.8

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#74

n-propylbenzene

Concen: 19.52 ug/l

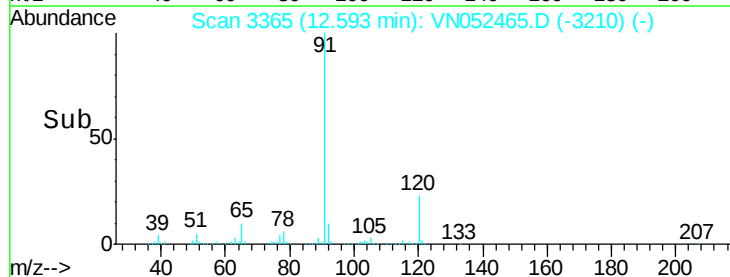
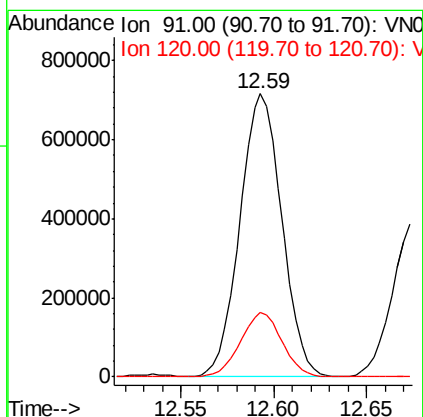
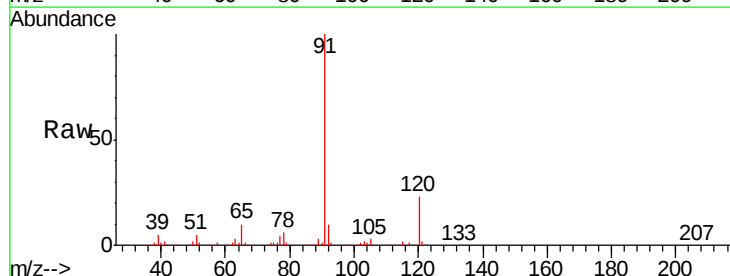
RT: 12.59 min Scan# 3365

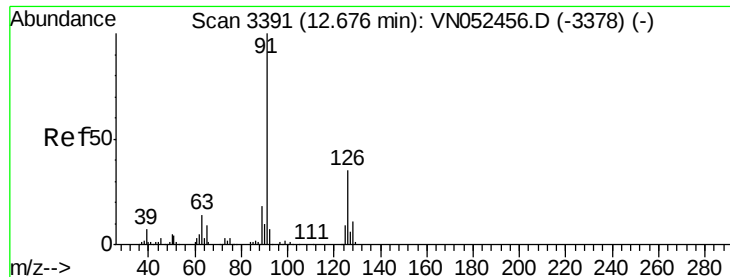
Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	91	Resp:	1127851
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.99 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 91 Resp: 670219

Ion Ratio Lower Upper

91 100

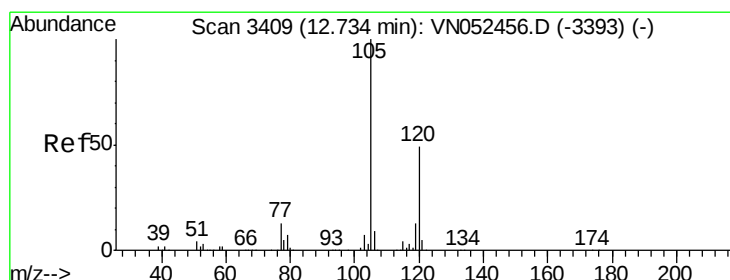
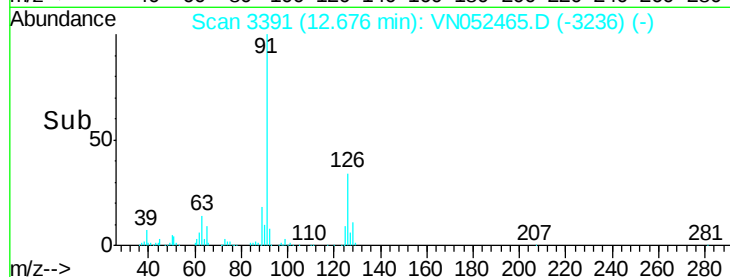
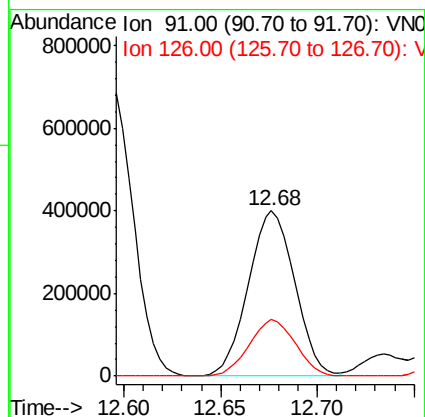
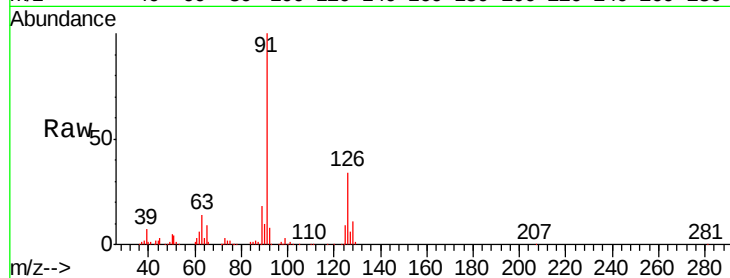
126 34.1 0.0 68.4

Manual Integrations

APPROVED

MMDadoda

11/27/2018 3:52:16 PM



#76

1,3,5-Trimethylbenzene

Concen: 19.93 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052465.D

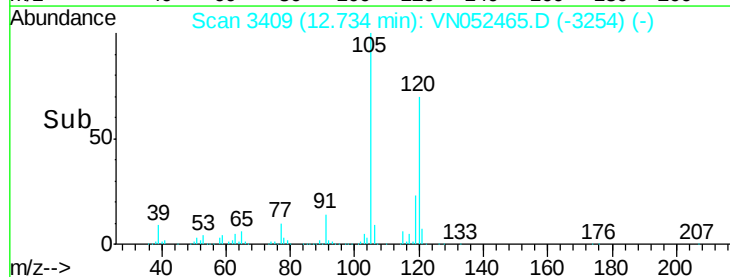
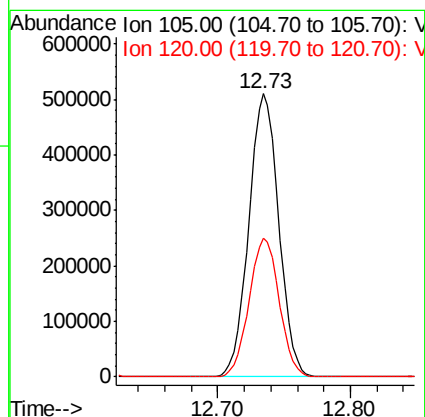
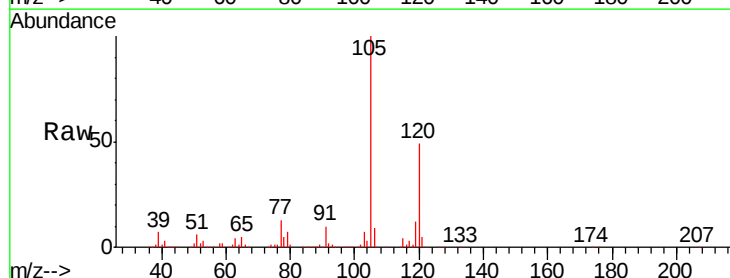
Acq: 26 Nov 2018 18:04

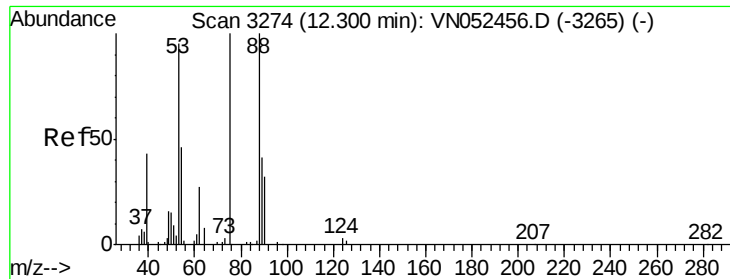
Tgt Ion: 105 Resp: 797974

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 18.82 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

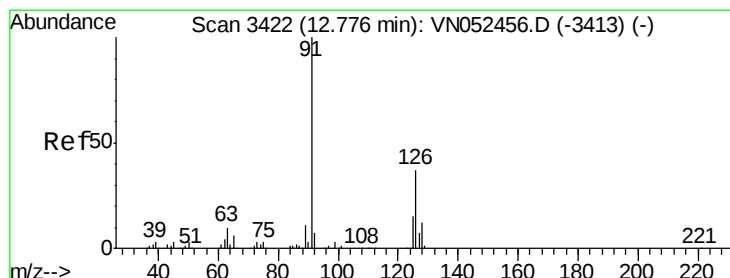
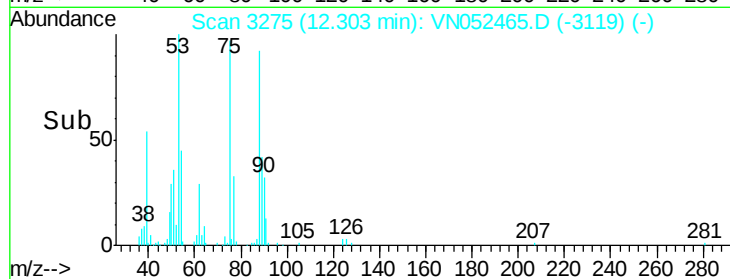
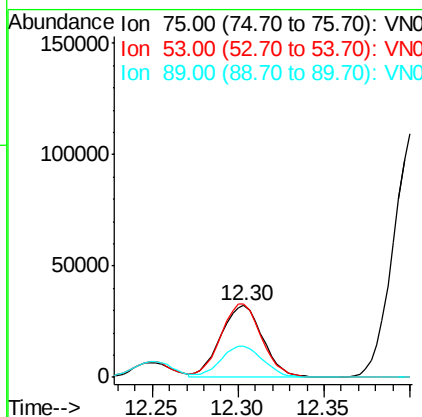
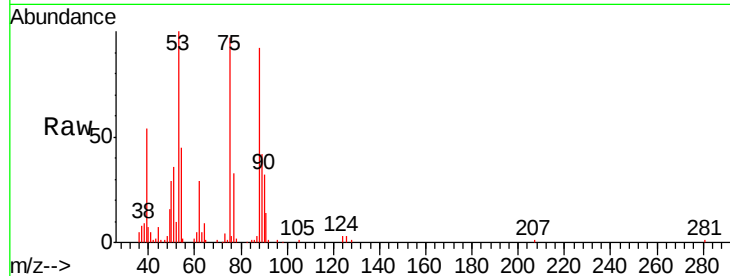
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	75	Resp:	55055
Ion	Ratio	Lower	Upper
75	100		
53	102.2	48.5	145.6
89	42.9	21.7	65.1

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#78

4-Chlorotoluene

Concen: 19.45 ug/l

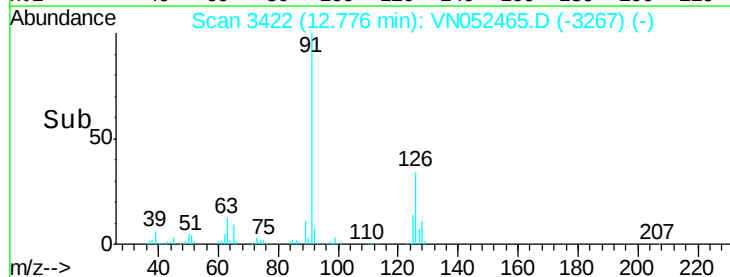
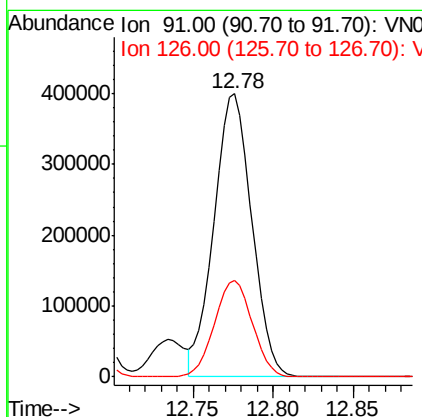
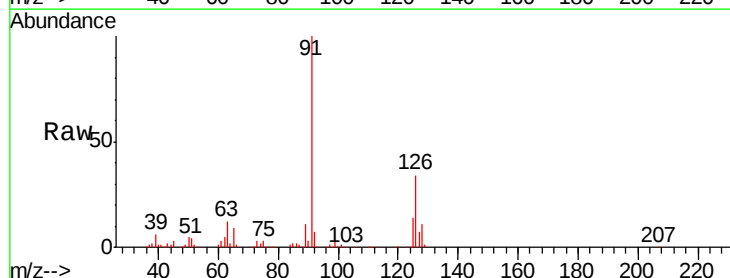
RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	91	Resp:	651248
Ion	Ratio	Lower	Upper
91	100		
126	34.0	0.0	68.2





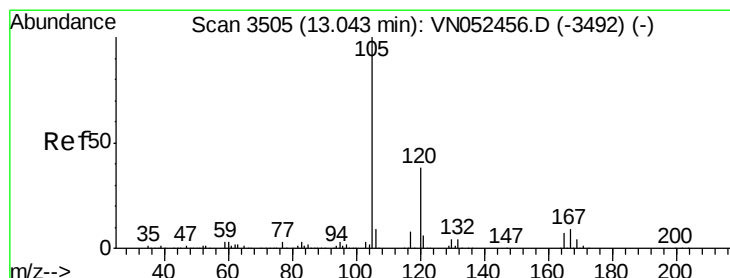
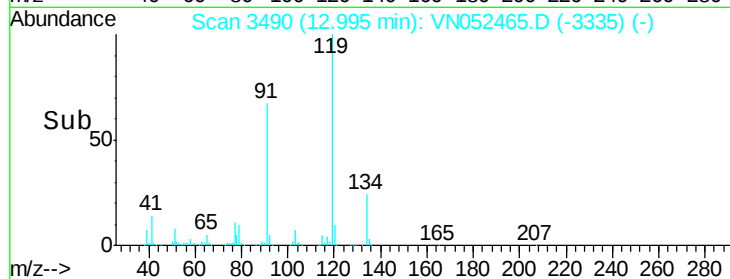
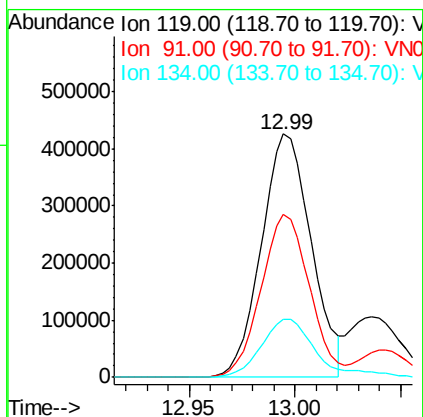
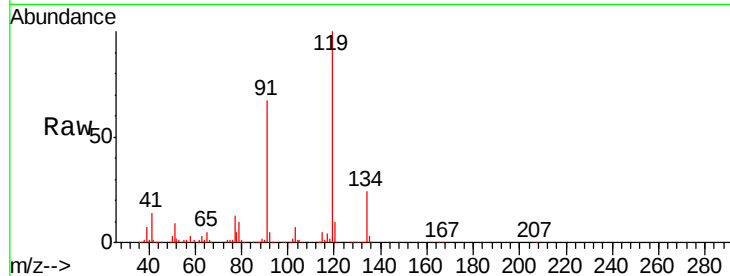
#79
tert-butylbenzene
Concen: 20.10 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	701179		
91	65.1	0.0	129.8	
134	26.1	0.0	52.2	

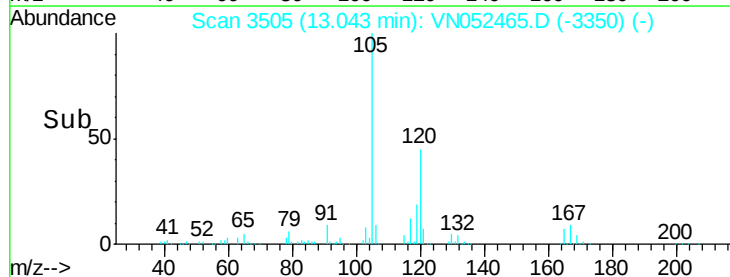
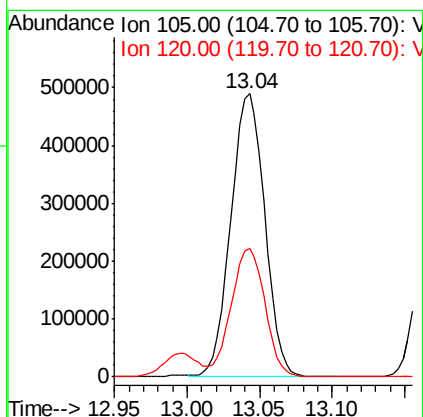
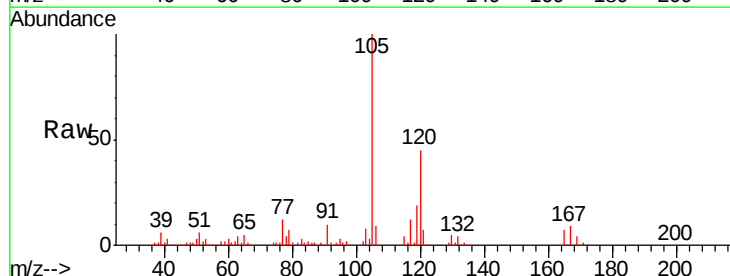
Manual Integrations
APPROVED

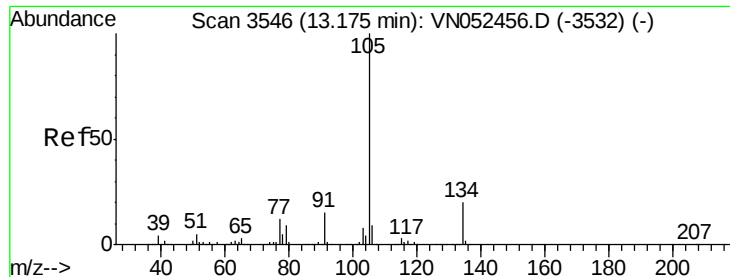
MMDadoda
11/27/2018 3:52:16 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.90 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	797602		
120	45.1	0.0	91.0	





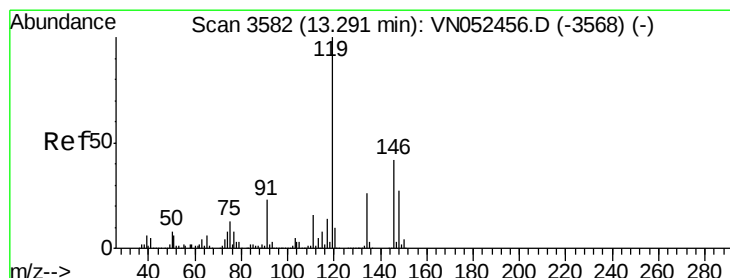
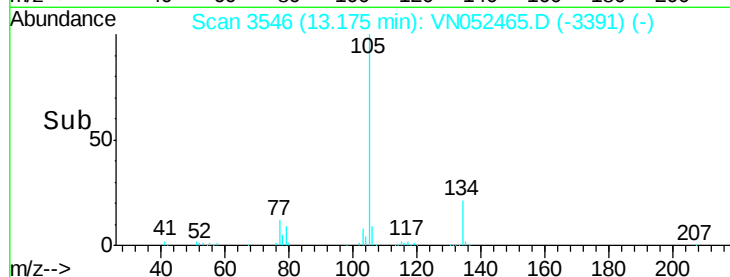
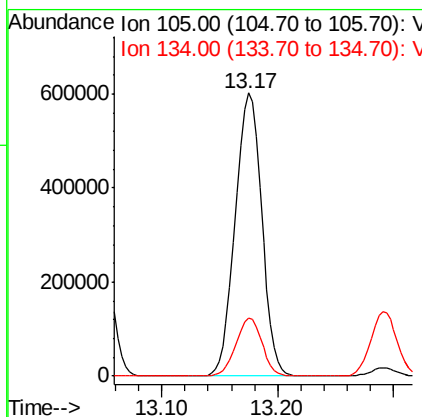
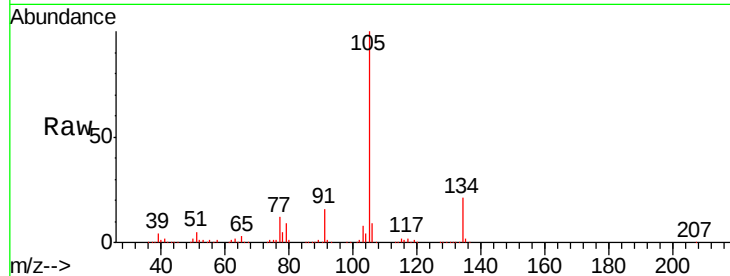
#81
 sec-Butylbenzene
 Concen: 19.66 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.4

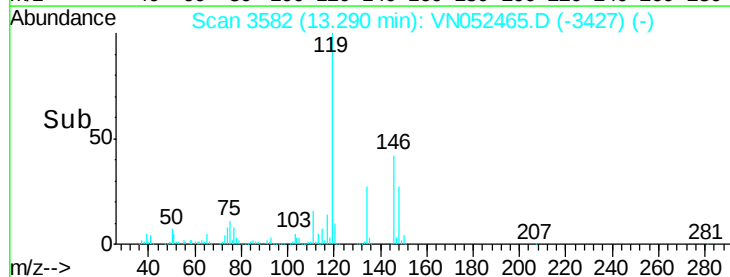
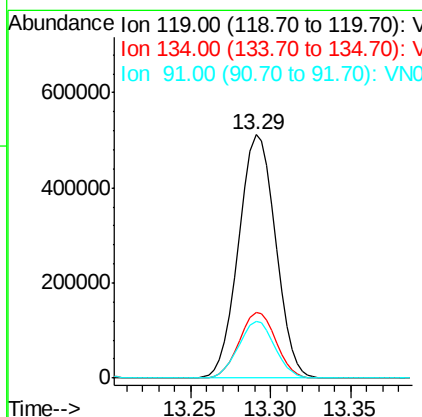
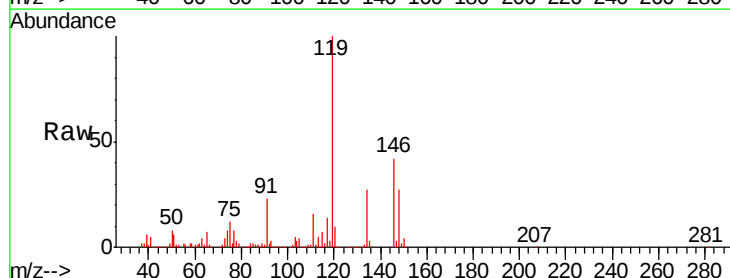
Manual Integrations
 APPROVED

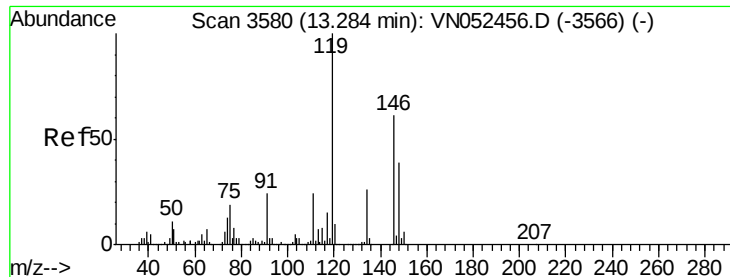
MMDadoda
 11/27/2018 3:52:16 PM



#82
 p-Isopropyltoluene
 Concen: 19.41 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	52.6
91	23.1	0.0	46.2





#83

1,3-Dichlorobenzene

Concen: 19.41 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Instrument :

MSVOA_N

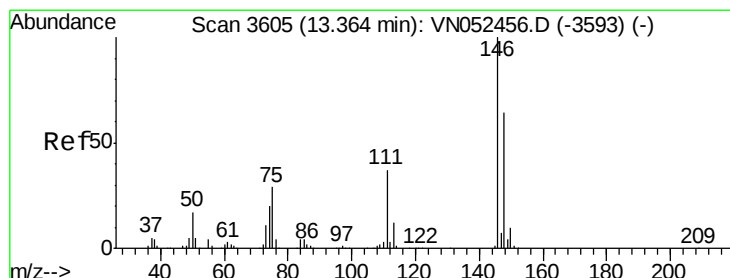
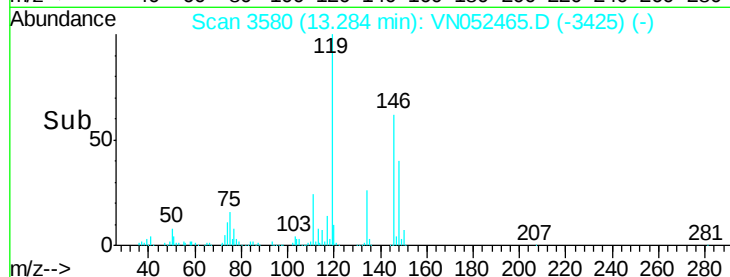
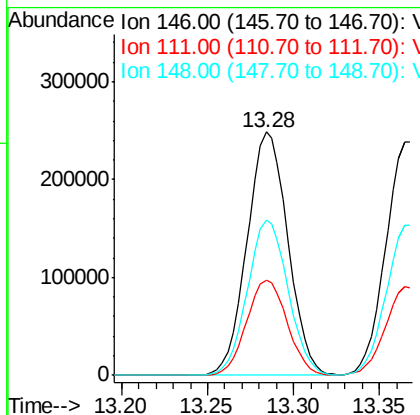
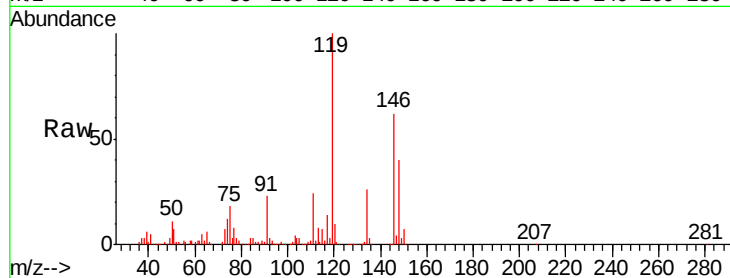
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	146	Resp:	409336
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.7	59.0
148	63.9	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#84

1,4-Dichlorobenzene

Concen: 19.51 ug/l

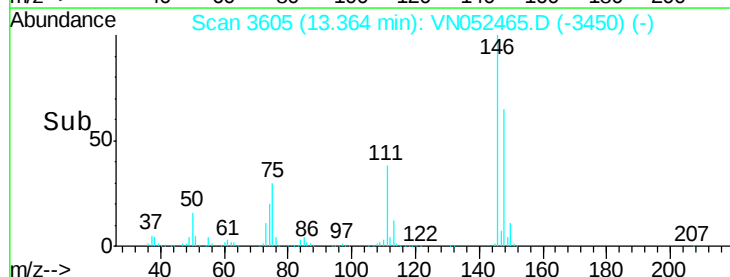
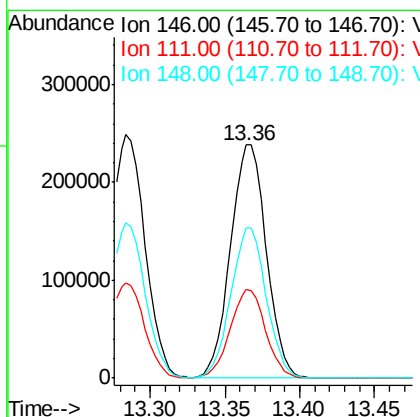
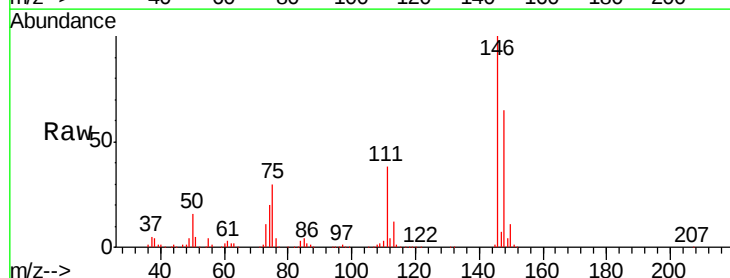
RT: 13.36 min Scan# 3605

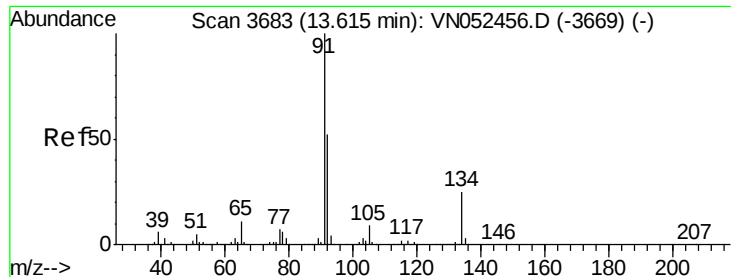
Delta R.T. -0.00 min

Lab File: VN052465.D

Acq: 26 Nov 2018 18:04

Tgt Ion:	146	Resp:	397478
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.8	56.3
148	63.7	32.5	97.4





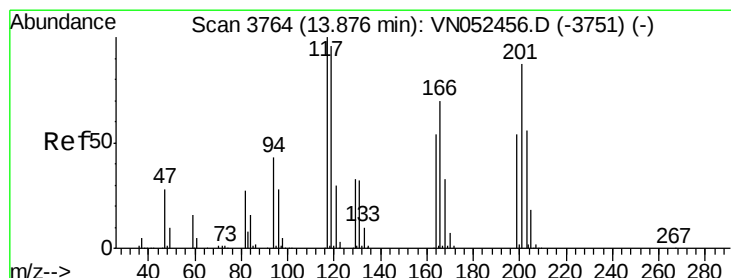
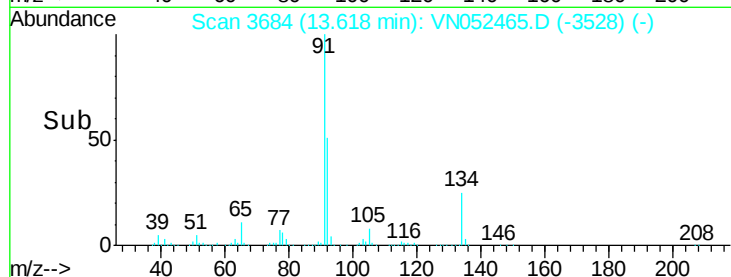
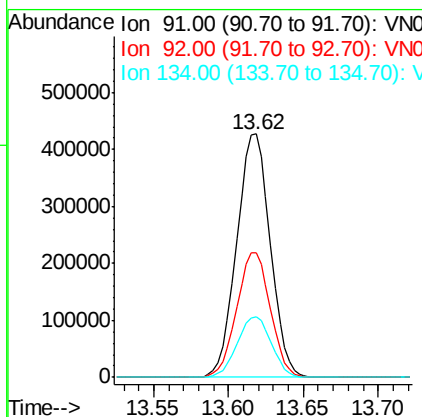
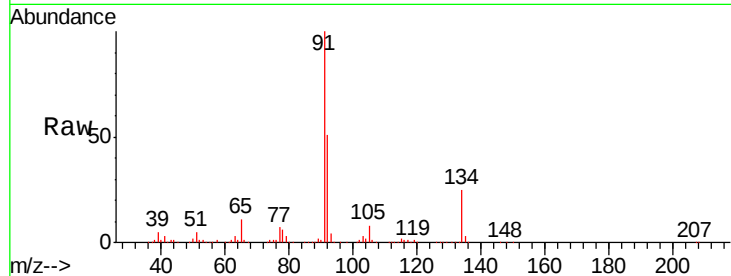
#85
n-Butylbenzene
Concen: 18.79 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	104.2
134	25.4	0.0	50.6

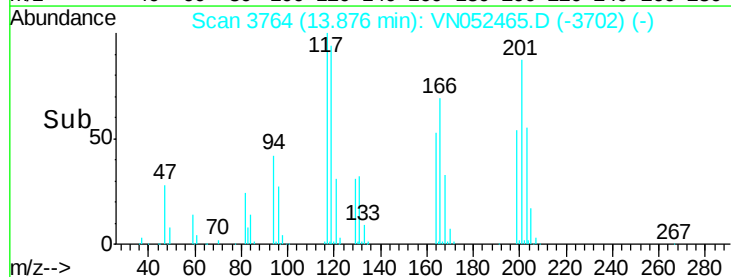
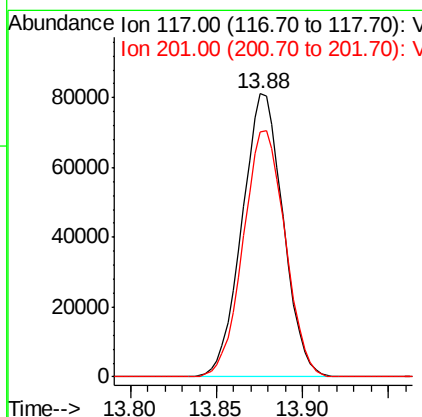
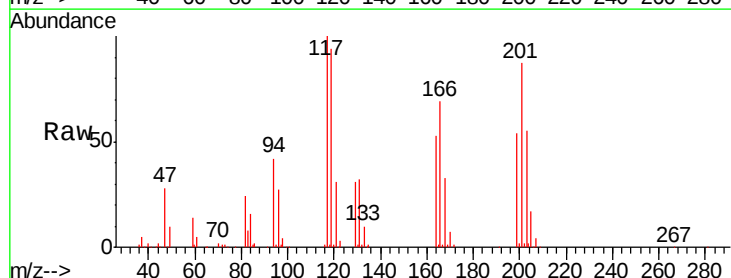
Manual Integrations
APPROVED

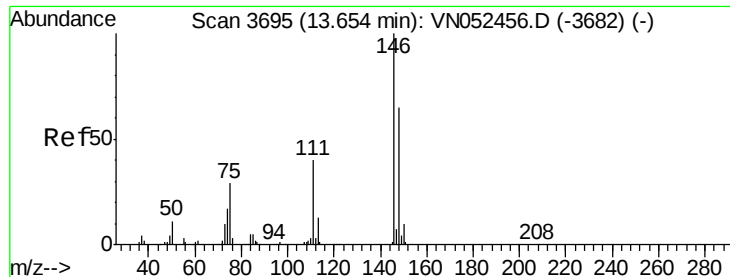
MMDadoda
11/27/2018 3:52:16 PM



#86
Hexachloroethane
Concen: 19.23 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	43.8	131.3





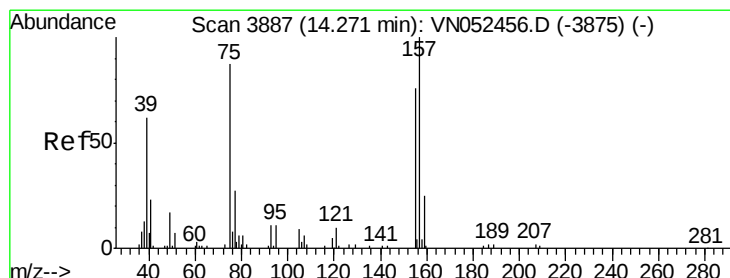
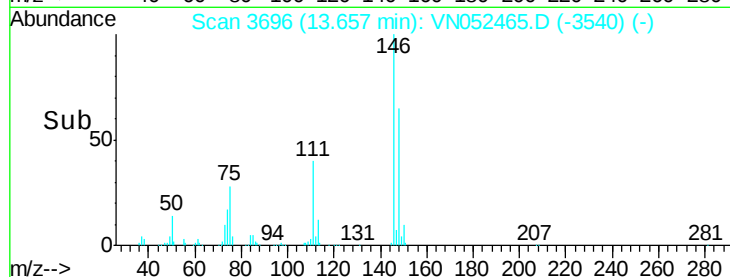
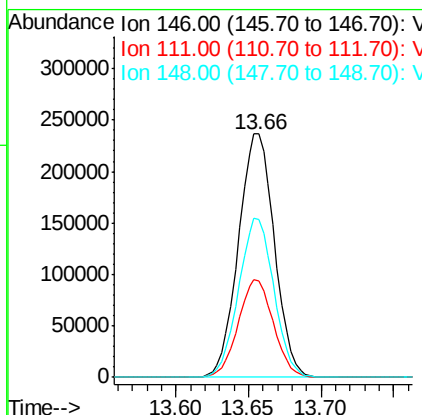
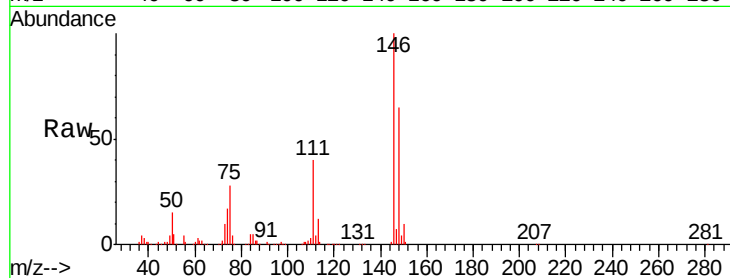
#87
 1,2-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	64.2	32.1	96.5

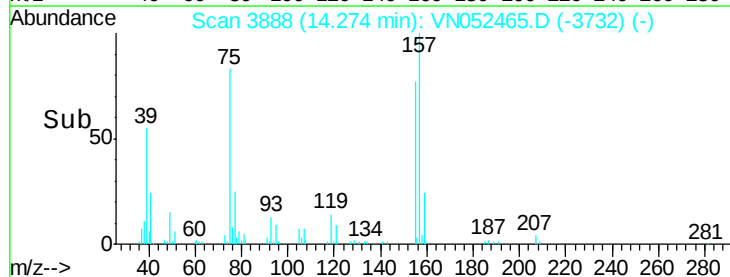
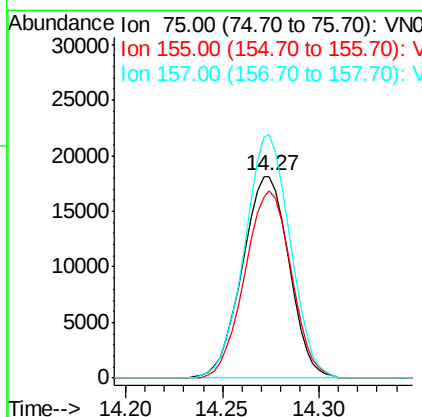
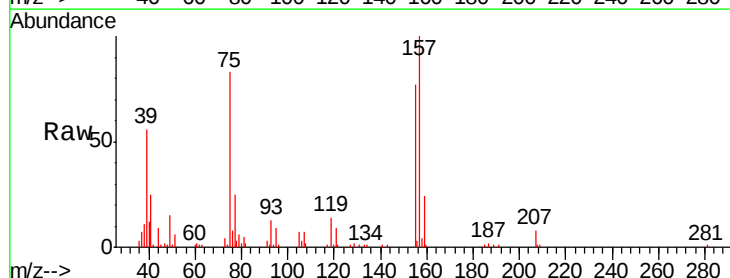
Manual Integrations
 APPROVED

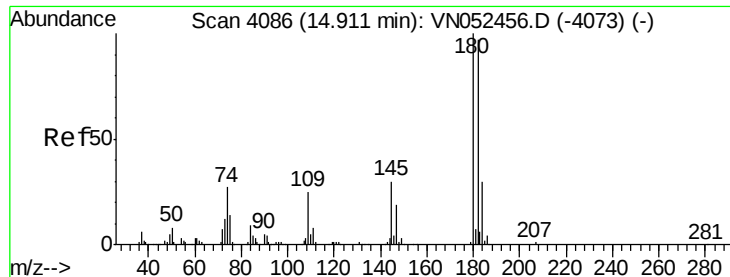
MMDadoda
 11/27/2018 3:52:16 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.26 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	72.2	108.2
157	117.6	94.2	141.2





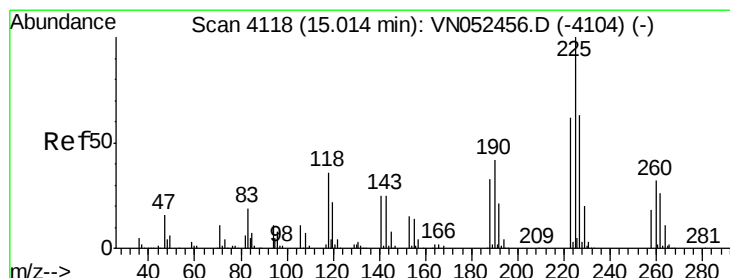
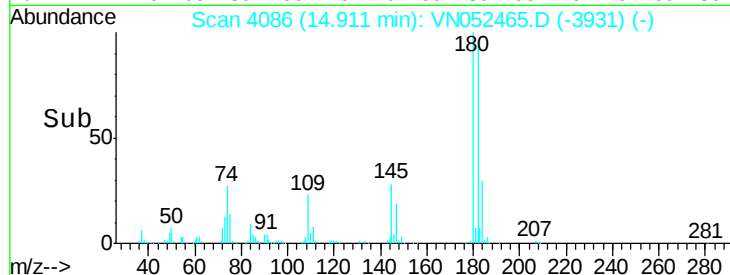
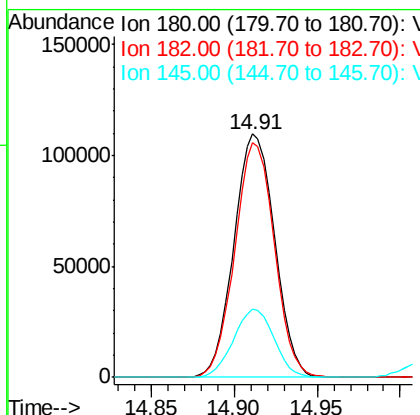
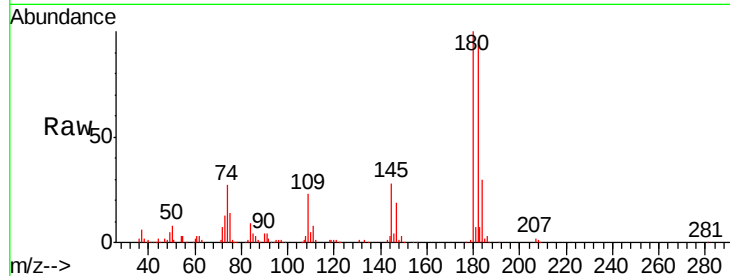
#89
 1,2,4-Trichlorobenzene
 Concen: 18.98 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	187635		
182	93.8	76.6	114.8	
145	27.8	23.6	35.4	

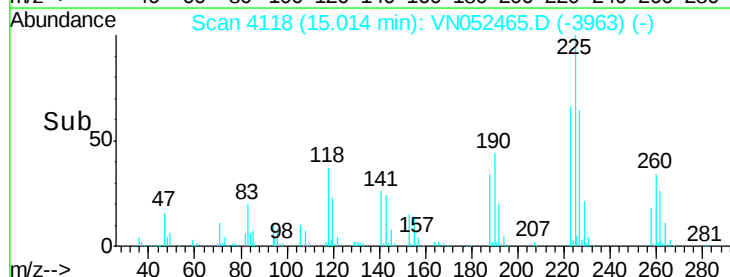
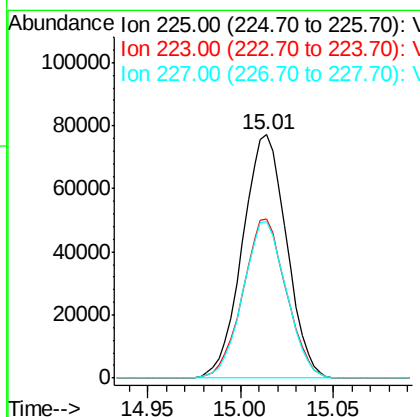
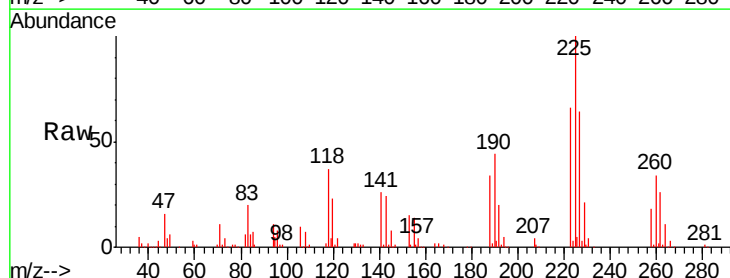
Manual Integrations
 APPROVED

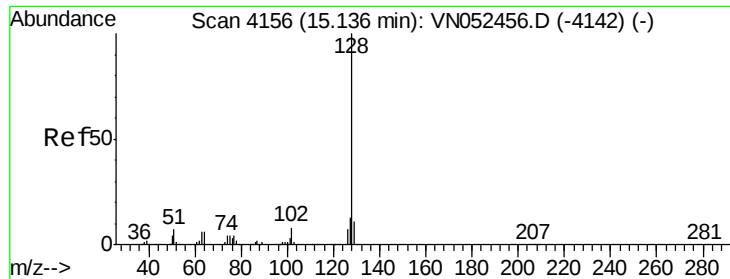
MMDadoda
 11/27/2018 3:52:16 PM



#90
 Hexachlorobutadiene
 Concen: 19.63 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN052465.D
 Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127335		
223	64.4	0.0	125.6	
227	63.3	0.0	127.8	





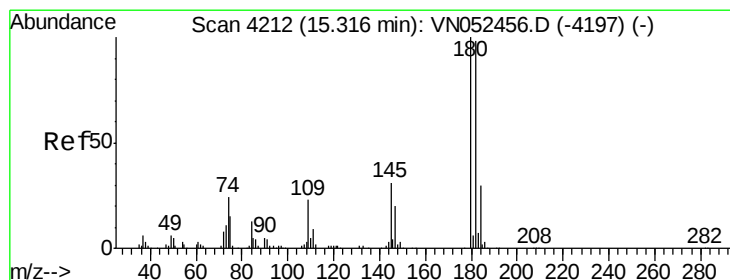
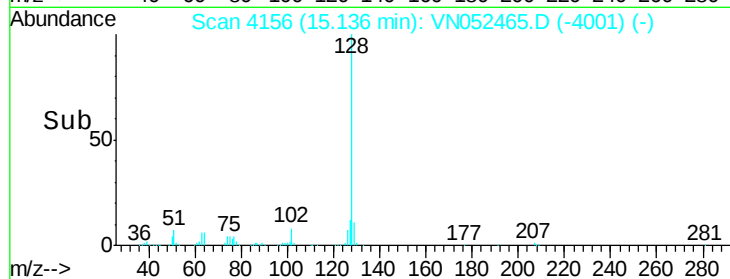
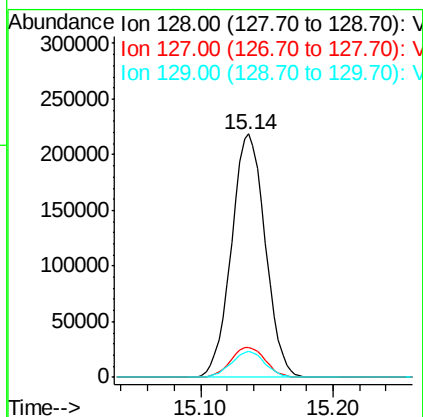
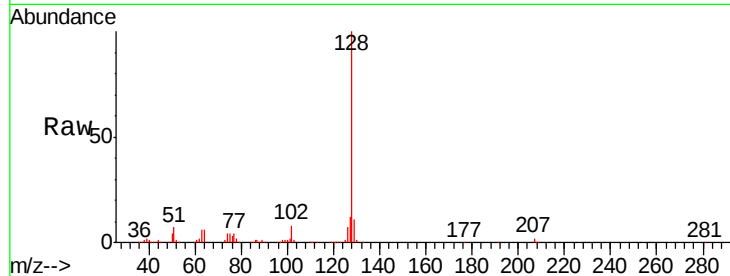
#91
Naphthalene
Concen: 19.39 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	387203		
127	12.6	9.9	14.9	
129	10.6	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
11/27/2018 3:52:16 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.70 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN052465.D
Acq: 26 Nov 2018 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	179540		
182	94.0	0.0	196.2	
145	30.8	0.0	62.2	

