

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057274.D
 Acq On : 14 Aug 2019 2:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:27 AM

Quant Time: Aug 14 12:26:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1187786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1793722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1649047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	664897	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	614828	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	
35) Dibromofluoromethane	7.58	113	549494	47.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.96%	
50) Toluene-d8	10.09	98	2102488	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	709523	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	492302	49.167	ug/l	100
3) Chloromethane	2.06	50	592038	52.155	ug/l	97
4) Vinyl Chloride	2.18	62	555882	50.414	ug/l	98
5) Bromomethane	2.53	94	392743m	50.538	ug/l	
6) Chloroethane	2.69	64	380579	53.568	ug/l	97
7) Trichlorofluoromethane	3.01	101	864522	49.832	ug/l	98
8) Diethyl Ether	3.40	74	328728	52.291	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	493706	47.393	ug/l	99
10) Methyl Iodide	3.95	142	857517	52.989	ug/l	98
11) Tert butyl alcohol	4.76	59	430733	266.939	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	512825	49.616	ug/l	100
13) Acrolein	3.60	56	303122	262.570	ug/l	100
14) Allyl chloride	4.32	41	772472	49.267	ug/l	99
15) Acrylonitrile	4.97	53	1229965	270.562	ug/l	100
16) Acetone	3.80	43	938285	228.407	ug/l	99
17) Carbon Disulfide	4.05	76	1378170	48.781	ug/l	99
18) Methyl Acetate	4.31	43	630254	59.741	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1603427	51.952	ug/l	99
20) Methylene Chloride	4.55	84	599516	49.960	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	544017	49.374	ug/l	96
22) Diisopropyl ether	5.94	45	1575206	51.096	ug/l	100
23) Vinyl Acetate	5.88	43	6415230	262.604	ug/l	100
24) 1,1-Dichloroethane	5.84	63	985196	50.724	ug/l	99
25) 2-Butanone	6.82	43	1503726	257.465	ug/l	100
26) 2,2-Dichloropropane	6.82	77	560908	35.199	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	645251	50.784	ug/l	97
28) Bromochloromethane	7.18	49	448321	52.309	ug/l	99
29) Tetrahydrofuran	7.20	42	989935	265.139	ug/l	99
30) Chloroform	7.36	83	1019284	50.238	ug/l	98
31) Cyclohexane	7.65	56	825531	48.632	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	900611	52.478	ug/l	99
36) 1,1-Dichloropropene	7.79	75	740783	47.237	ug/l	100
37) Ethyl Acetate	6.91	43	625525	49.626	ug/l	99
38) Carbon Tetrachloride	7.77	117	800669	48.063	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057274.D
 Acq On : 14 Aug 2019 2:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:27 AM

Quant Time: Aug 14 12:26:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 06:25:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	858543	46.239	ug/l	99
40) Benzene	8.03	78	2304684	48.375	ug/l	99
41) Methacrylonitrile	7.17	41	272458m	52.525	ug/l	
42) 1,2-Dichloroethane	8.12	62	760410	49.808	ug/l	100
43) Isopropyl Acetate	8.16	43	1465854	70.614	ug/l #	87
44) Trichloroethene	8.83	130	654456	47.389	ug/l	100
45) 1,2-Dichloropropane	9.11	63	597389	49.495	ug/l	98
46) Dibromomethane	9.20	93	394982	48.536	ug/l	98
47) Bromodichloromethane	9.40	83	796422	50.761	ug/l	99
48) Methyl methacrylate	9.19	41	505144	52.590	ug/l	98
49) 1,4-Dioxane	9.19	88	213395	985.832	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	3161951	259.396	ug/l	99
52) Toluene	10.15	92	1478449	49.951	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	831091	49.522	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	923173	48.809	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	568055	49.101	ug/l	99
56) Ethyl methacrylate	10.43	69	855330	52.696	ug/l	100
57) 1,3-Dichloropropane	10.70	76	944385	49.477	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1099726	233.272	ug/l	100
59) 2-Hexanone	10.75	43	2262262	261.570	ug/l	100
60) Dibromochloromethane	10.90	129	669765	51.625	ug/l	99
61) 1,2-Dibromoethane	11.00	107	611674	50.927	ug/l	99
64) Tetrachloroethene	10.63	164	659950	45.309	ug/l	97
65) Chlorobenzene	11.43	112	1632758	48.386	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	629415	48.302	ug/l	99
67) Ethyl Benzene	11.51	91	2816103	48.885	ug/l	99
68) m/p-Xylenes	11.62	106	2134808	99.323	ug/l	99
69) o-Xylene	11.95	106	1046481	49.727	ug/l	99
70) Styrene	11.96	104	1721856	52.846	ug/l	100
71) Bromoform	12.13	173	519048	51.983	ug/l #	100
73) Isopropylbenzene	12.25	105	2789528	54.594	ug/l	99
74) N-amyl acetate	12.07	43	845946	54.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	785879	56.818	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	650008m	56.241	ug/l	
77) Bromobenzene	12.53	156	748282	54.250	ug/l	99
78) n-propylbenzene	12.59	91	2900287	51.955	ug/l	99
79) 2-Chlorotoluene	12.67	91	1807207	53.819	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2334206	53.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	226417	45.739	ug/l	98
82) 4-Chlorotoluene	12.77	91	1694987	46.742	ug/l	99
83) tert-Butylbenzene	12.99	119	2049043	53.398	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2213552	47.276	ug/l	100
85) sec-Butylbenzene	13.17	105	2532294	51.725	ug/l	100
86) p-Isopropyltoluene	13.29	119	2220992	45.426	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1105999	48.016	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1034660	46.183	ug/l	99
89) n-Butylbenzene	13.62	91	1612510	47.020	ug/l	99
90) Hexachloroethane	13.88	117	437984	53.884	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1056748	47.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	113515	51.110	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
Data File : VN057274.D
Acq On : 14 Aug 2019 2:42
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

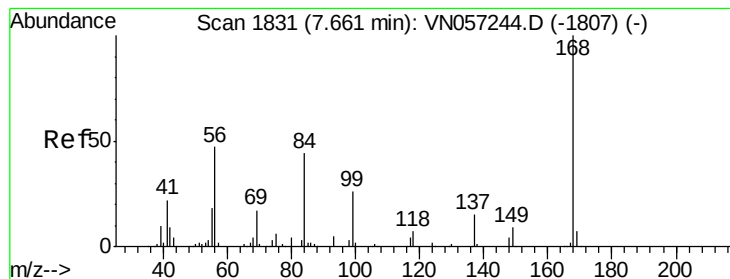
Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM

Quant Time: Aug 14 12:26:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 14 06:25:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	353853	41.052	ug/l	98
94) Hexachlorobutadiene	15.01	225	414260	48.241	ug/l	99
95) Naphthalene	15.13	128	728010	51.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	335111	43.249	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Tot Ion:168 Resp: 1187786

Ion Ratio Lower Upper

168 100

99 49.5 38.6 58.0

Instrument :

MSVOA_N

ClientSampleId :

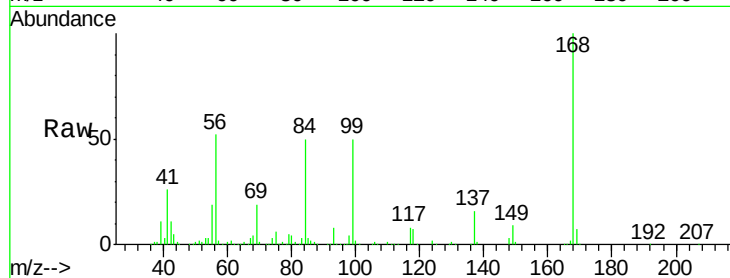
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

300000

200000

100000

0

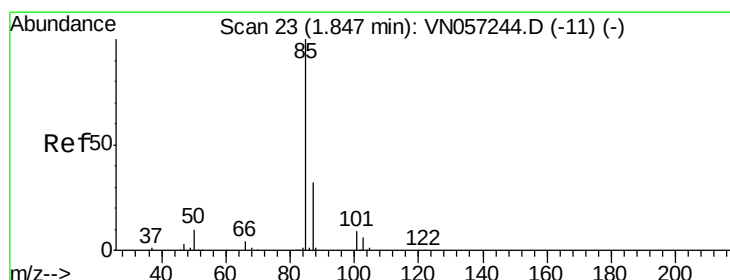
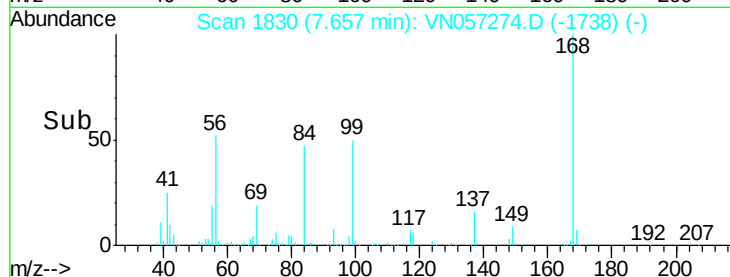
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.167 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057274.D

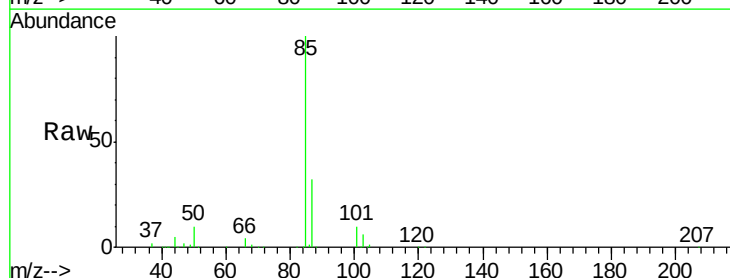
Acq: 14 Aug 2019 2:42

Tgt Ion: 85 Resp: 492302

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

200000

100000

0

1.75

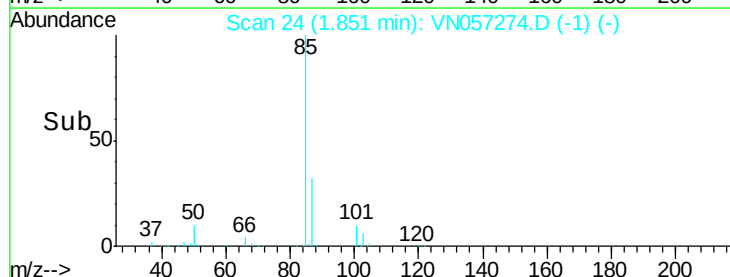
1.80

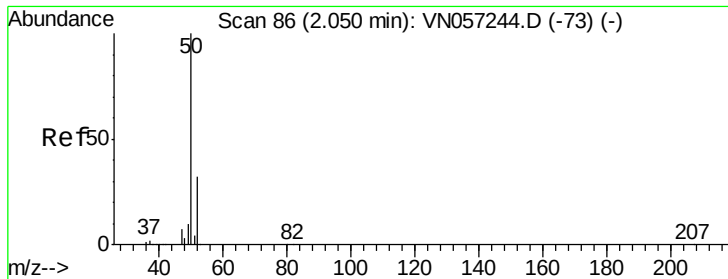
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 52.155 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.01 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Tot Ion: 50 Resp: 592038

Ion Ratio Lower Upper

50 100

52 33.4 25.6 38.4

Instrument :

MSVOA_N

ClientSampleId :

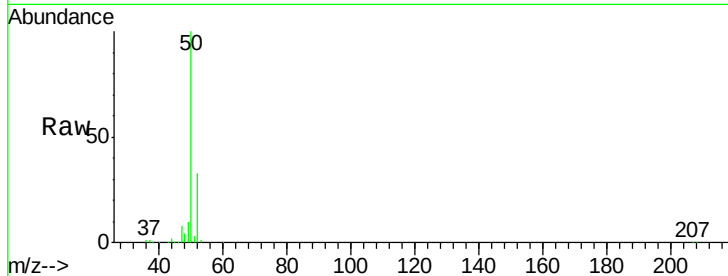
VSTDCCC050EC

Manual Integrations

APPROVED

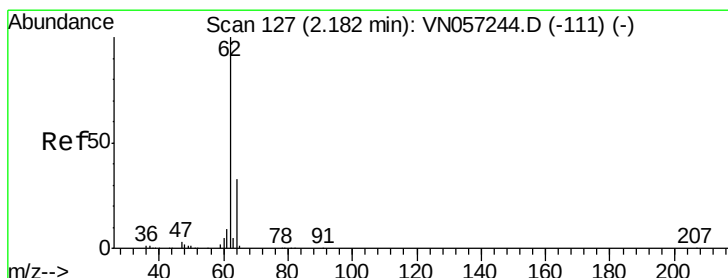
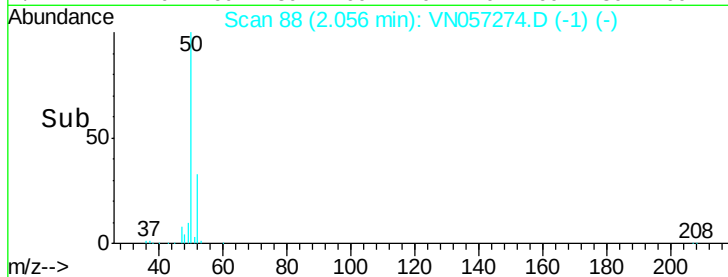
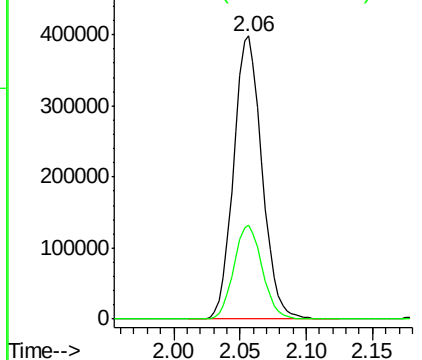
MMDadoda

8/16/2019 8:58:27 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.414 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057274.D

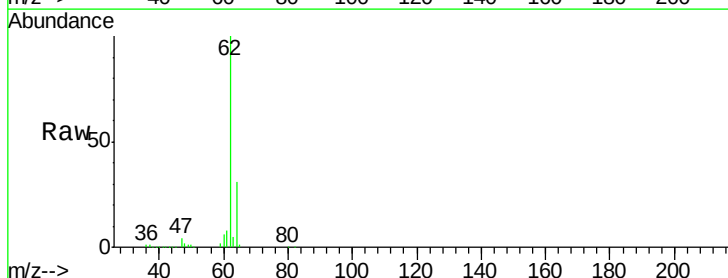
Acq: 14 Aug 2019 2:42

Tgt Ion: 62 Resp: 555882

Ion Ratio Lower Upper

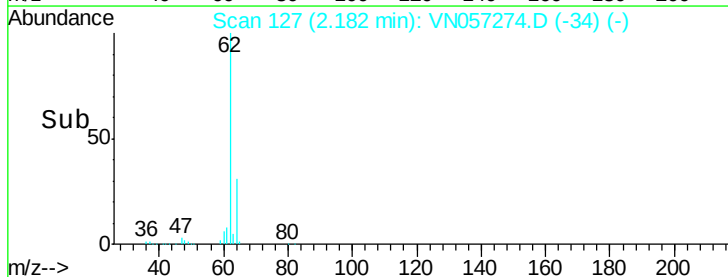
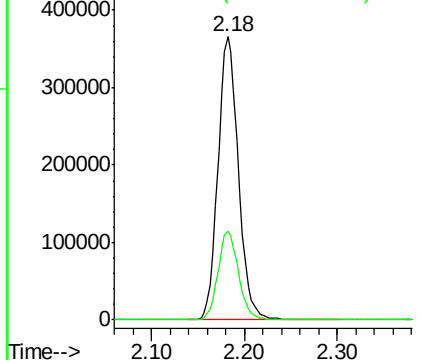
62 100

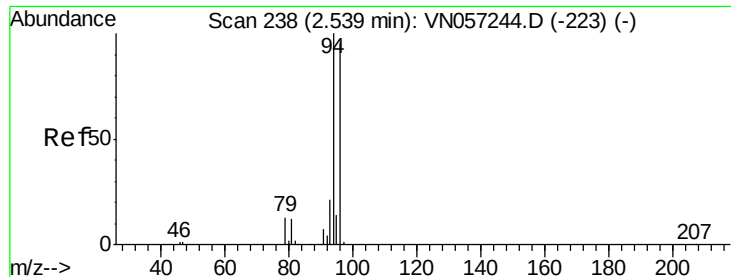
64 31.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 50.538 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 392743

Ion Ratio Lower Upper

94 100

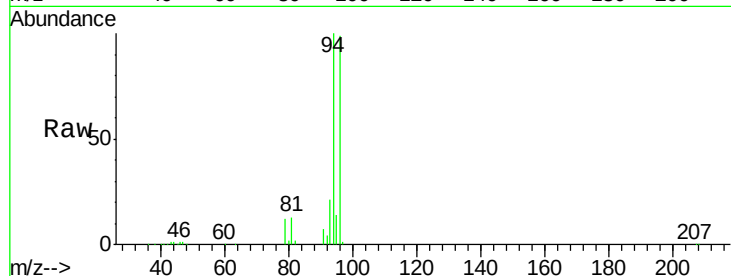
96 98.7 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:27 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

200000

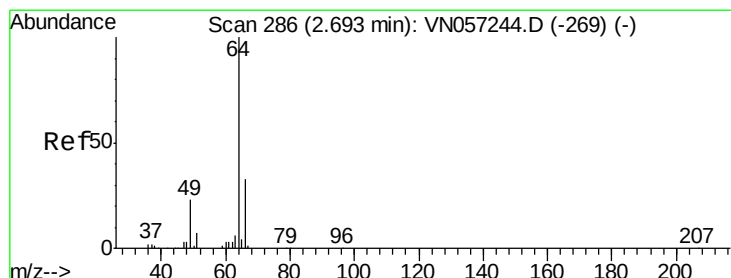
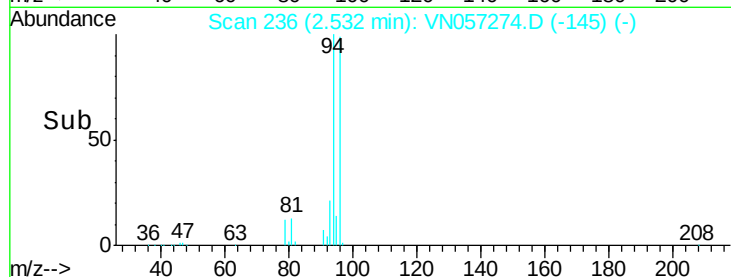
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 53.568 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN057274.D

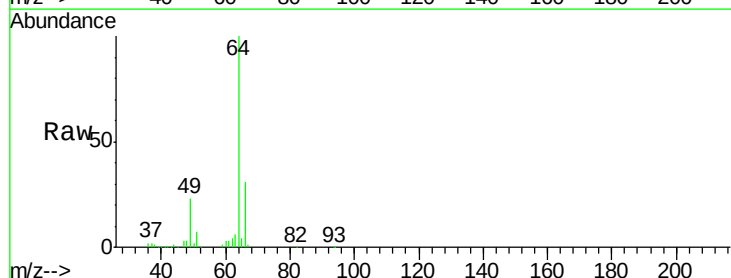
Acq: 14 Aug 2019 2:42

Tgt Ion: 64 Resp: 380579

Ion Ratio Lower Upper

64 100

66 31.3 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

200000

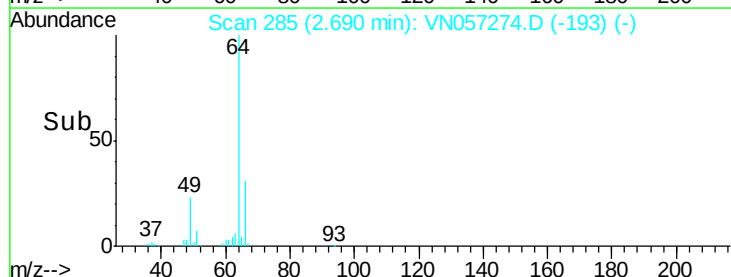
150000

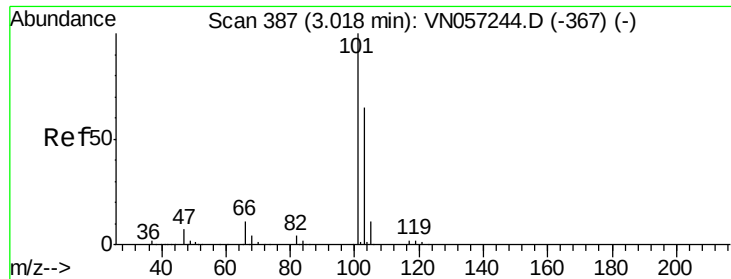
100000

50000

0

Time-->





#7

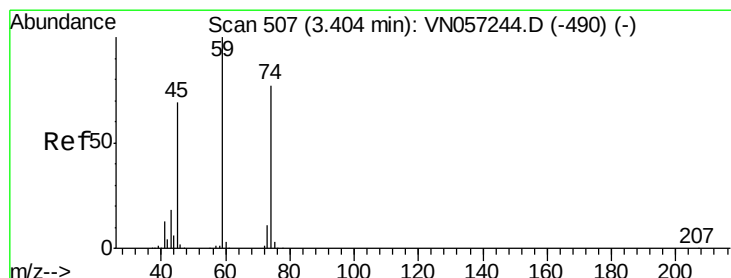
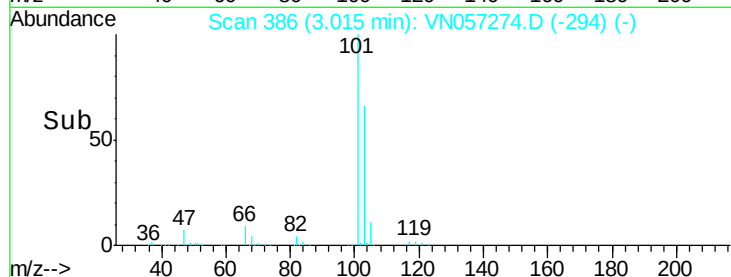
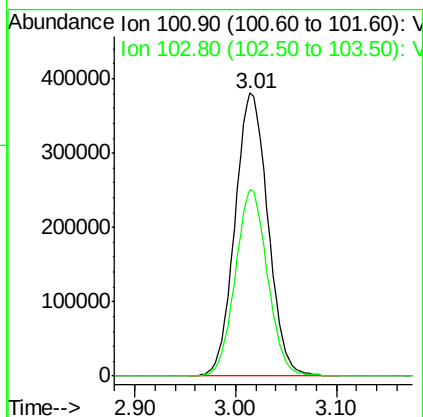
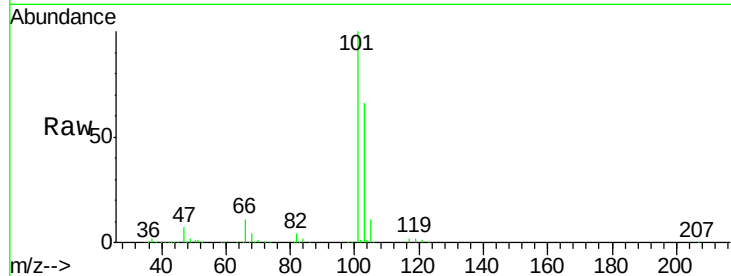
Trichlorofluoromethane
 Concen: 49.832 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.8	77.6

Manual Integrations
 APPROVED

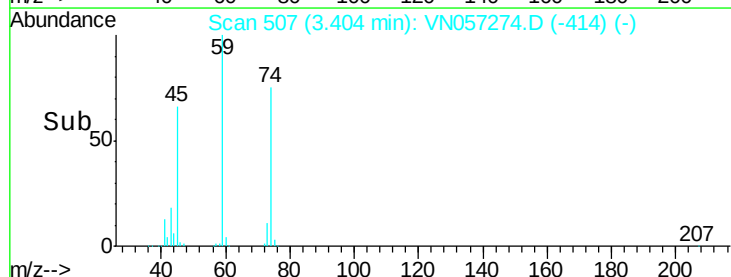
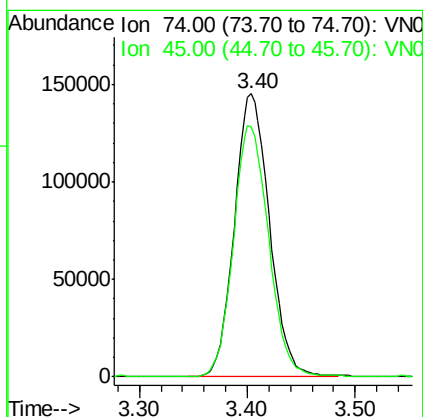
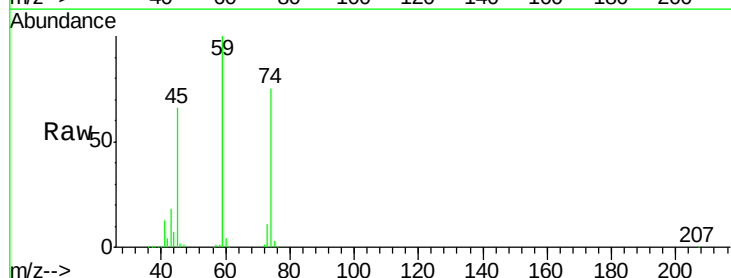
MMDadoda
 8/16/2019 8:58:27 AM

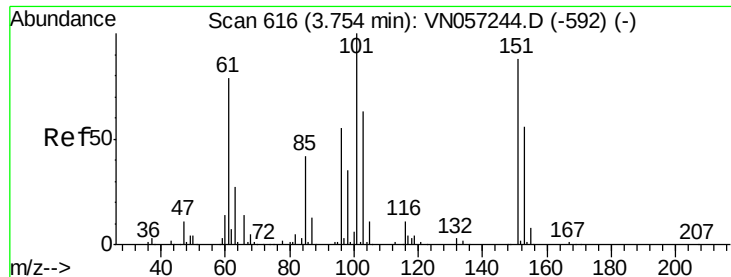


#8

Diethyl Ether
 Concen: 52.291 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	45.1	135.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.393 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

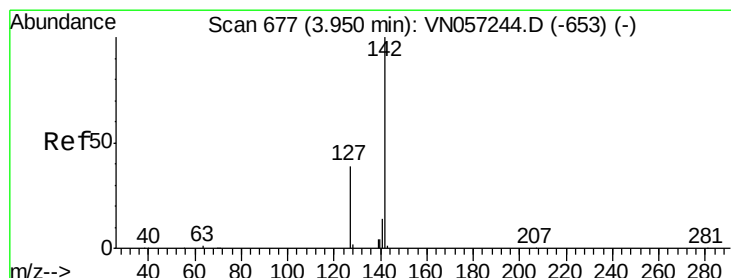
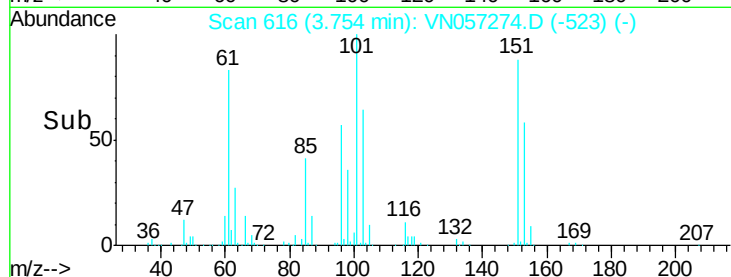
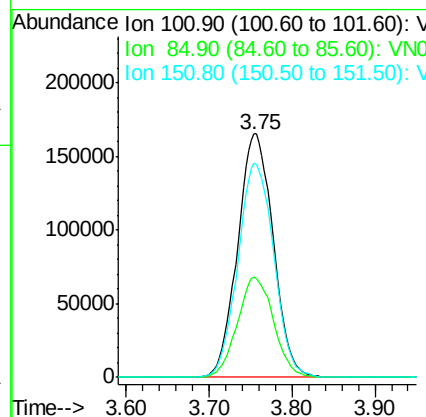
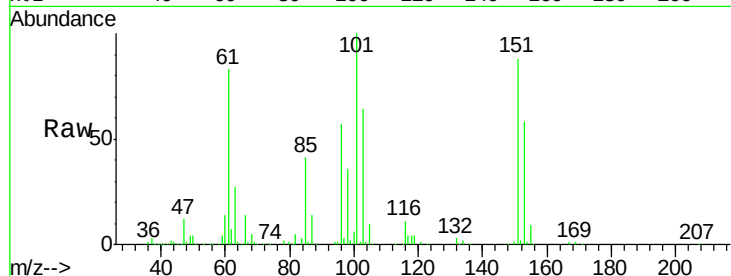
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	493706
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.7	49.1
151	89.0	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM



#10

Methyl Iodide

Concen: 52.989 ug/l

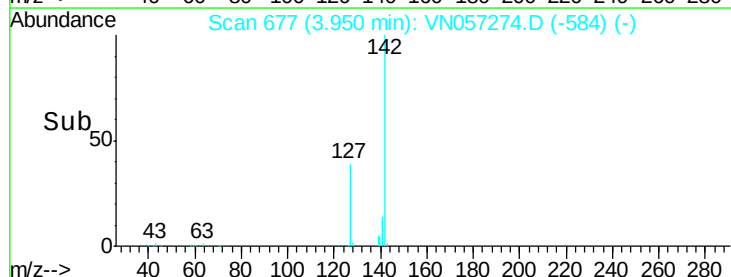
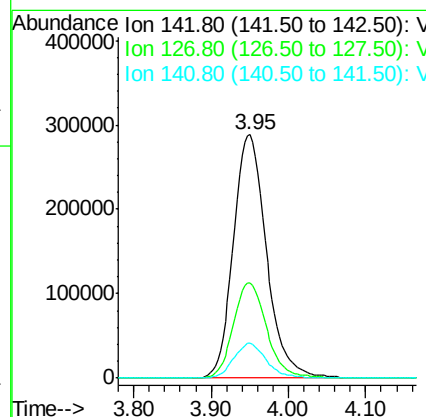
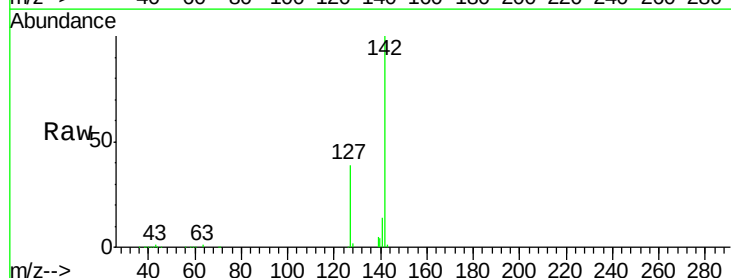
RT: 3.95 min Scan# 677

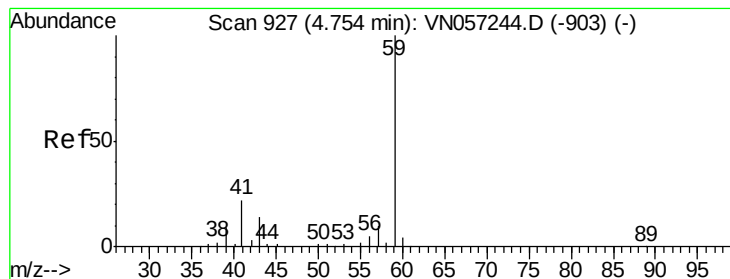
Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Tgt Ion:	142	Resp:	857517
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.7	46.1
141	14.1	11.0	16.6





#11

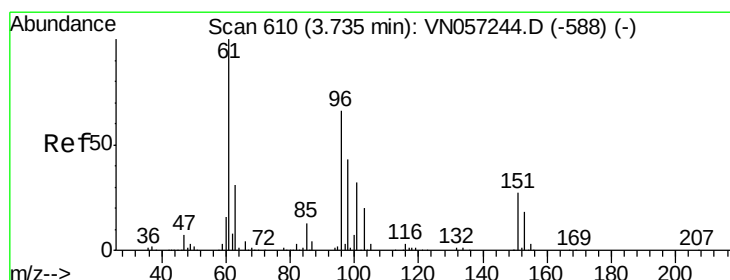
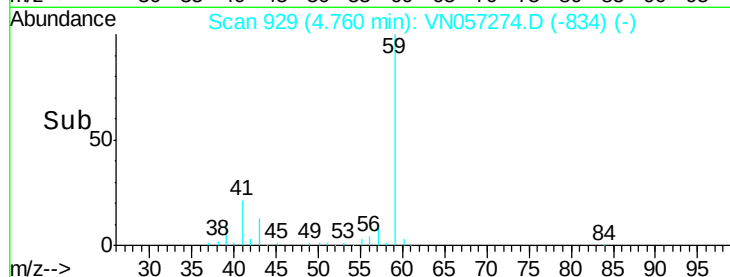
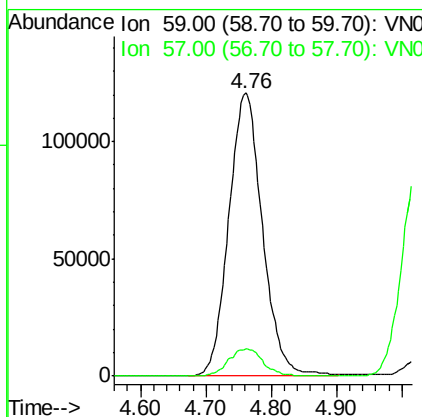
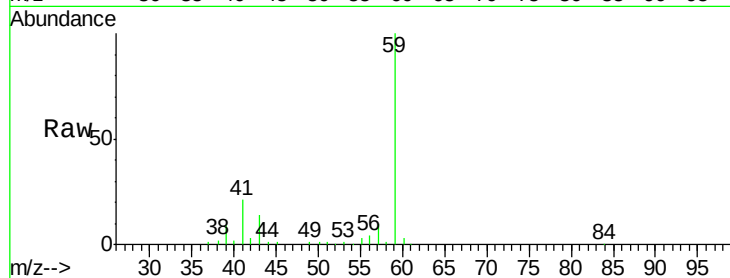
Tert butyl alcohol
Concen: 266.939 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.0	Resp	430733	Lower	3.4	Upper	5.2#
Ion	59	57	Ratio	100	10.0	Resp	430733	Lower	3.4	Upper	5.2#

Manual Integrations
APPROVED

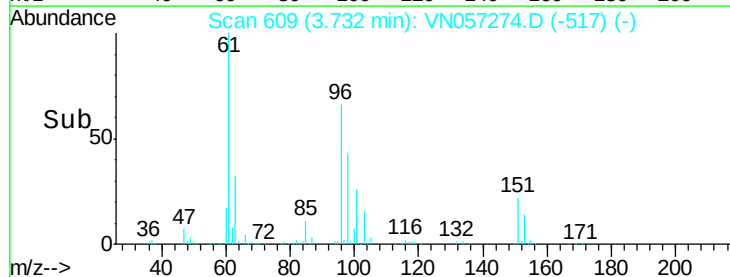
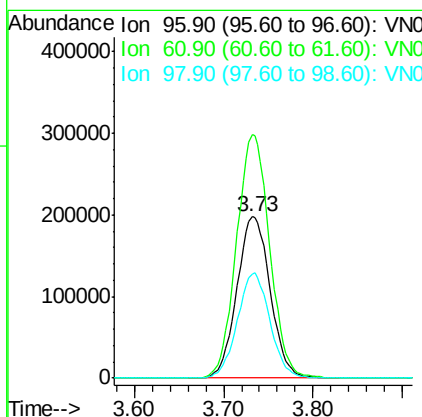
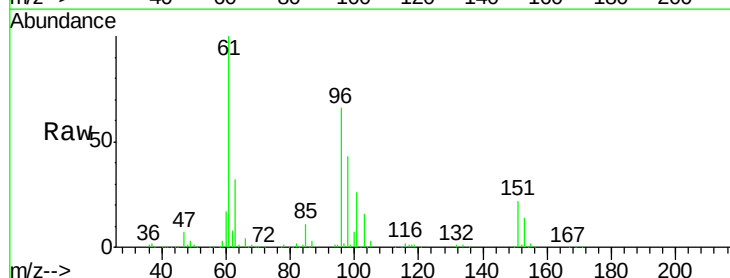
MMDadoda
8/16/2019 8:58:27 AM

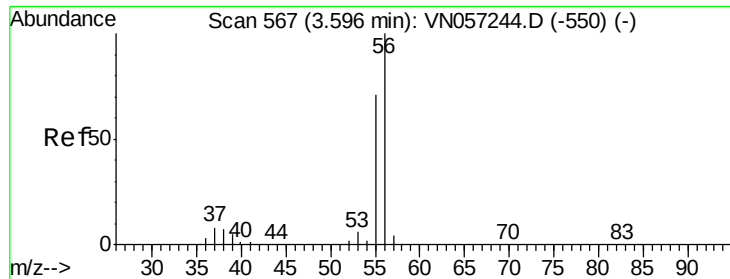


#12

1,1-Dichloroethene
Concen: 49.616 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	96	61	98	Ratio	100	150.9	64.7	Resp	512825	Lower	121.1	52.0	Upper	181.7	78.0
Ion	96	61	98	Ratio	100	150.9	64.7	Resp	512825	Lower	121.1	52.0	Upper	181.7	78.0





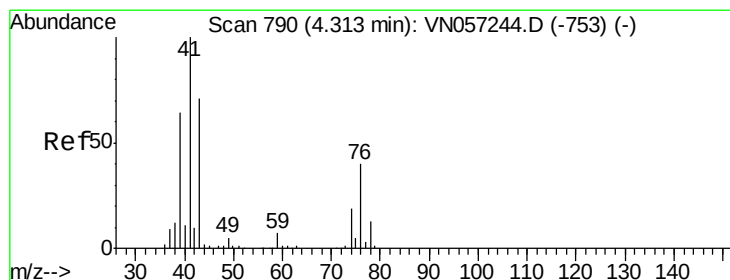
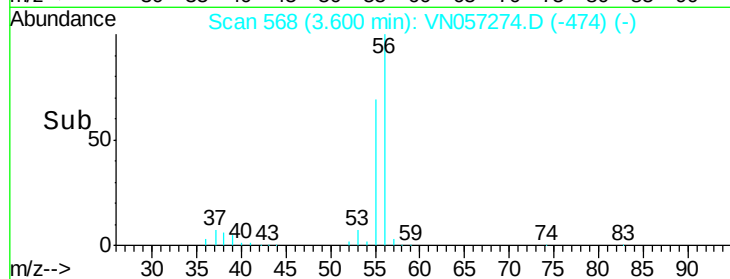
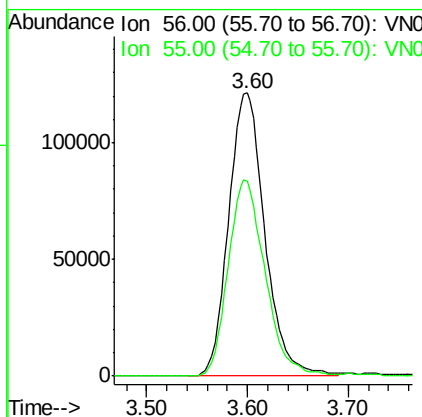
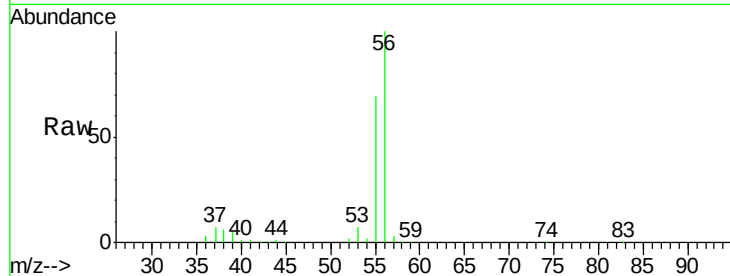
#13
Acrolein
Concen: 262.570 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.6	84.8

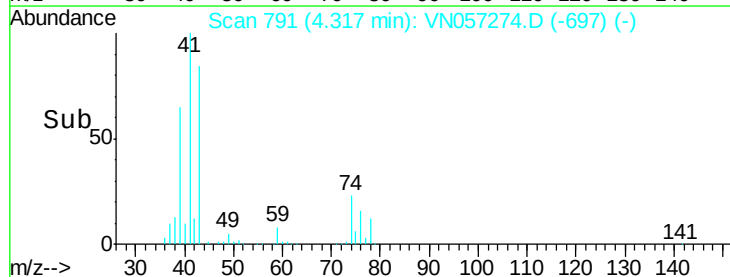
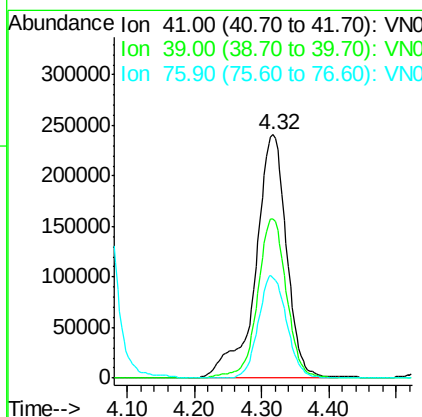
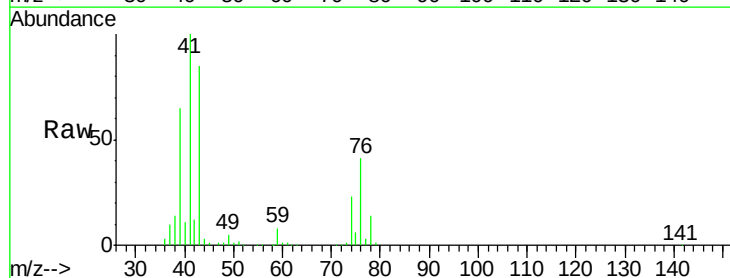
Manual Integrations
APPROVED

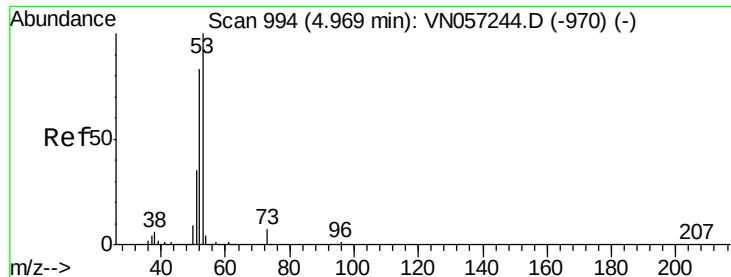
MMDadoda
8/16/2019 8:58:27 AM



#14
Allyl chloride
Concen: 49.267 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	48.5	72.7
76	37.6	29.8	44.8





#15

Acrylonitrile

Concen: 270.562 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1229965

Ion Ratio Lower Upper

53 100

52 82.2 65.9 98.9

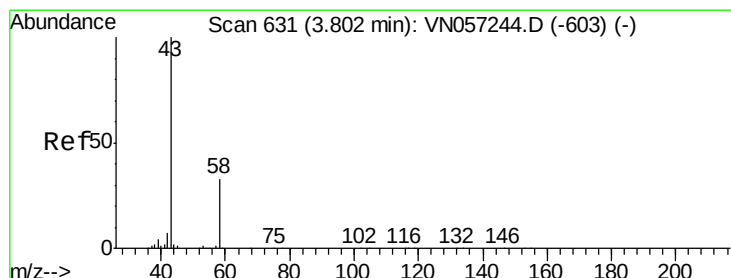
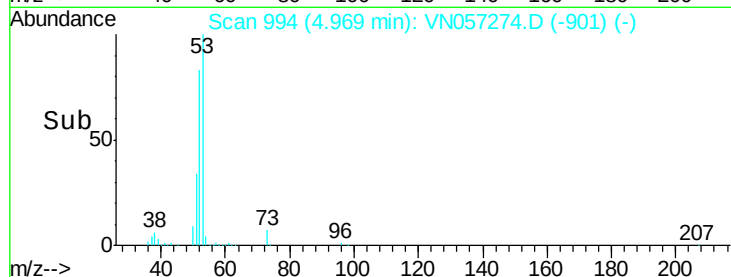
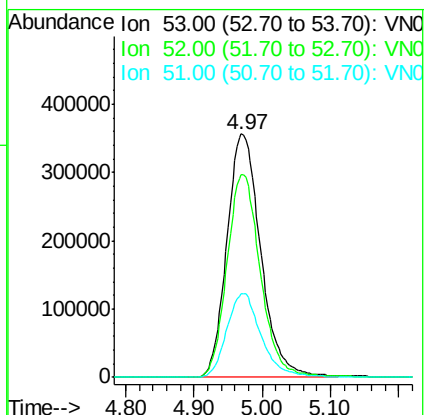
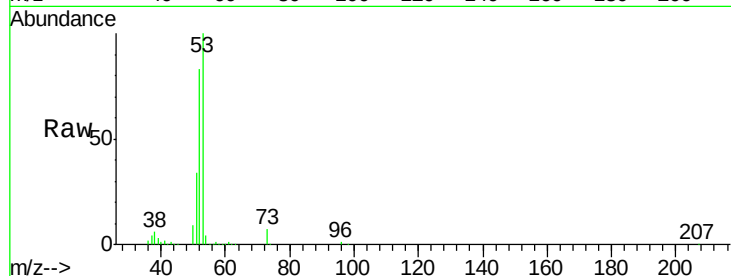
51 35.1 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:27 AM



#16

Acetone

Concen: 228.407 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057274.D

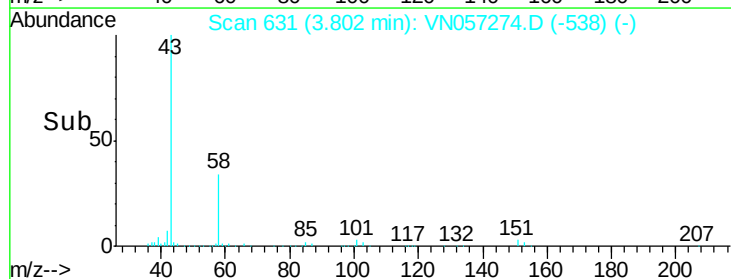
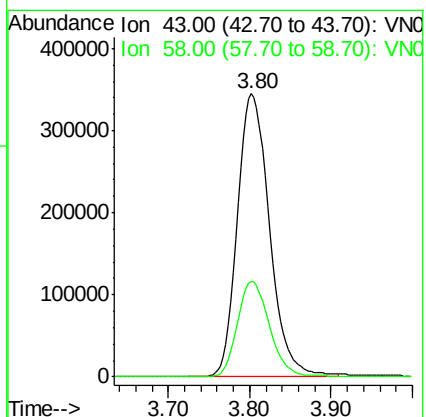
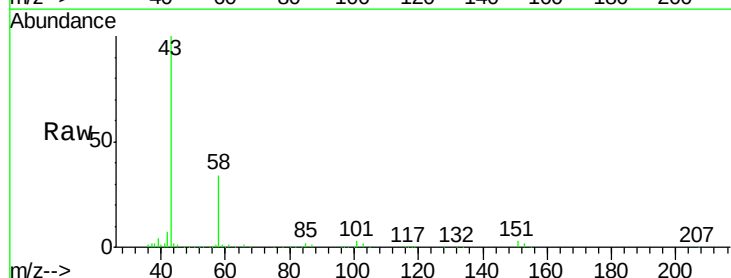
Acq: 14 Aug 2019 2:42

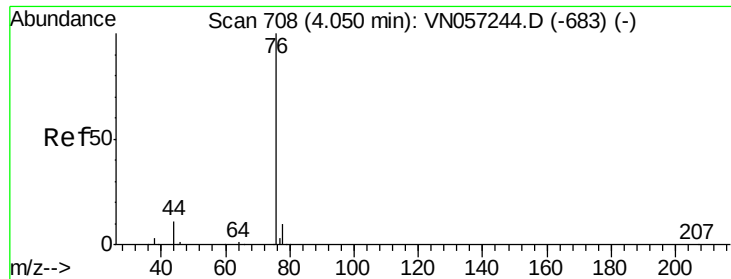
Tgt Ion: 43 Resp: 938285

Ion Ratio Lower Upper

43 100

58 33.7 26.7 40.1





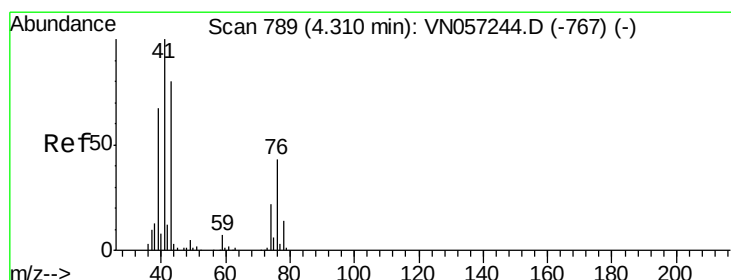
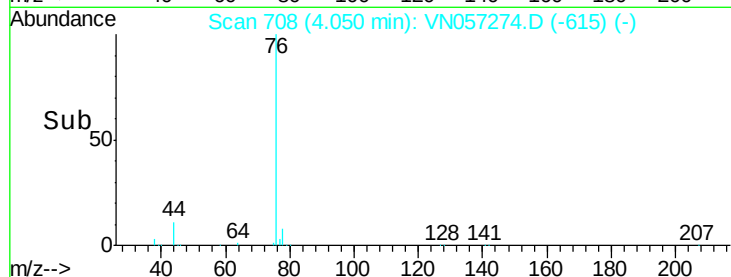
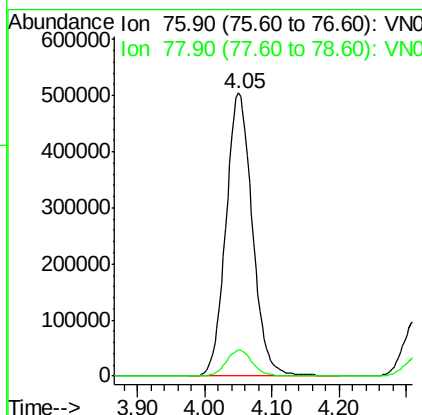
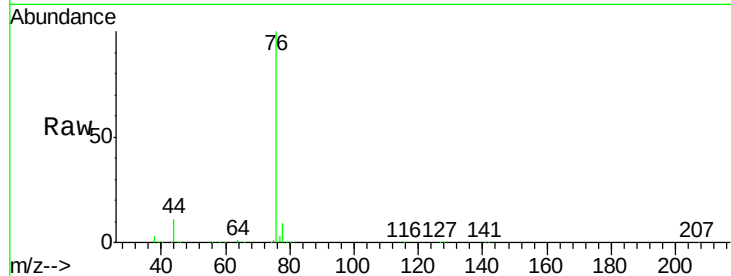
#17
Carbon Disulfide
Concen: 48.781 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1378170
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5

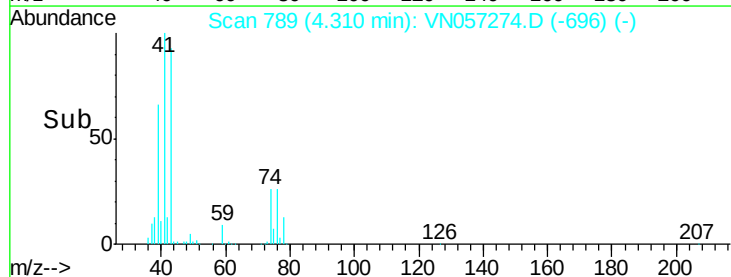
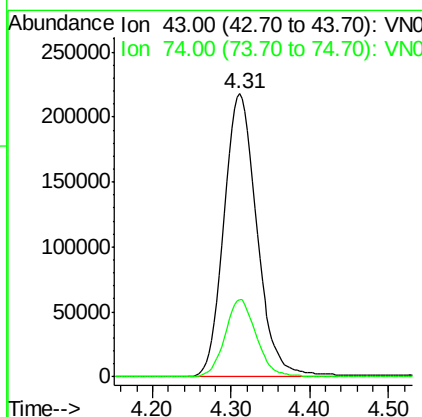
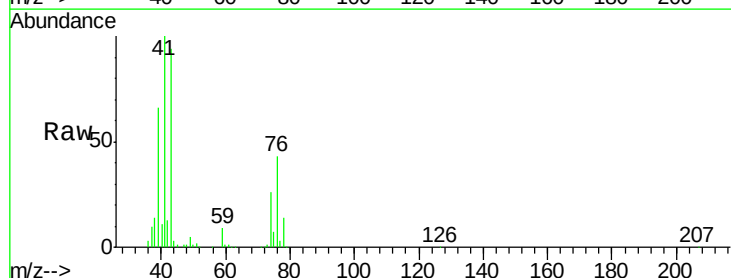
Manual Integrations
APPROVED

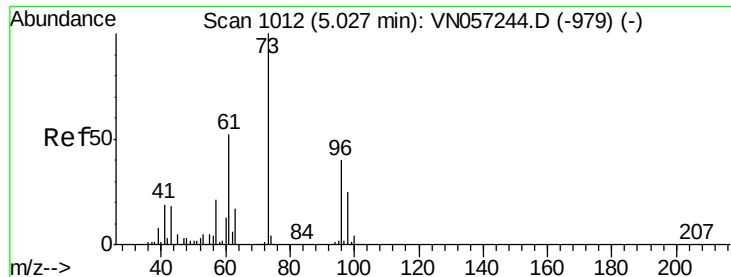
MMDadoda
8/16/2019 8:58:27 AM



#18
Methyl Acetate
Concen: 59.741 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion: 43 Resp: 630254
Ion Ratio Lower Upper
43 100
74 26.3 20.6 31.0





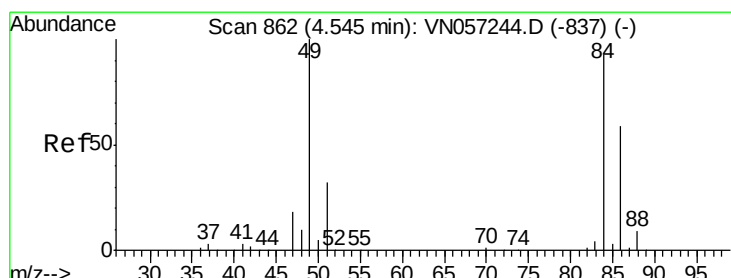
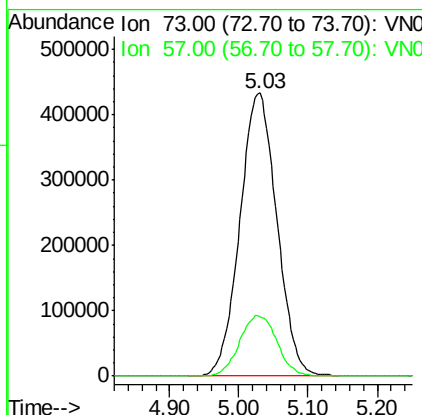
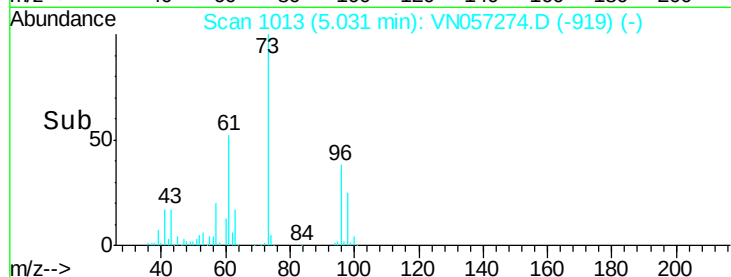
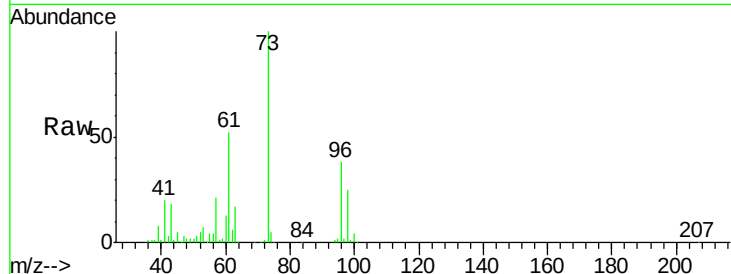
#19
Methyl tert-butyl Ether
Concen: 51.952 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1603427
Ion Ratio Lower Upper
73 100
57 21.0 17.1 25.7

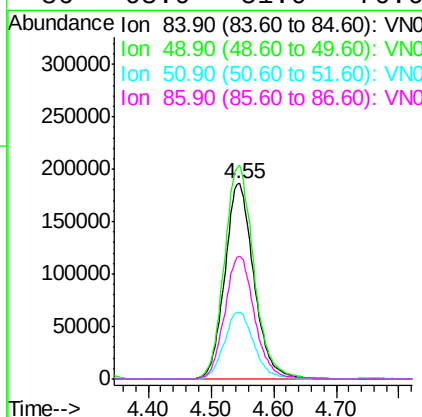
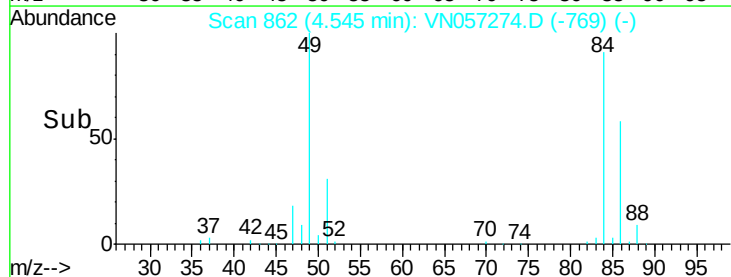
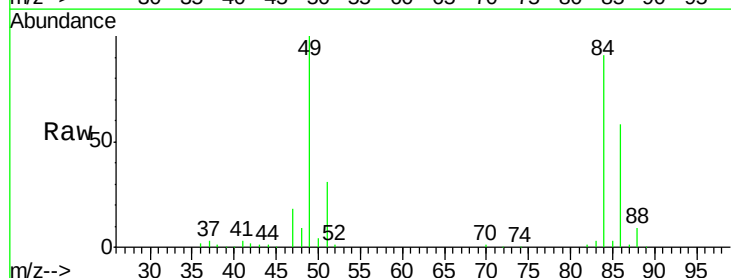
Manual Integrations
APPROVED

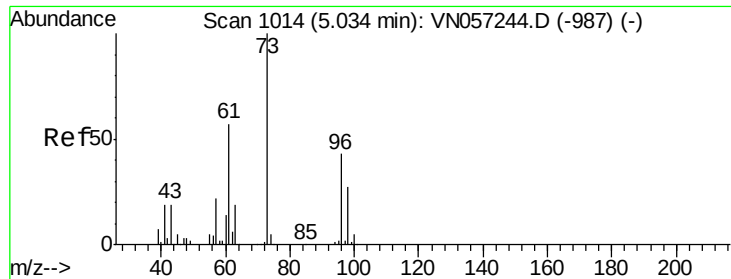
MMDadoda
8/16/2019 8:58:27 AM



#20
Methylene Chloride
Concen: 49.960 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion: 84 Resp: 599516
Ion Ratio Lower Upper
84 100
49 109.2 85.9 128.9
51 34.0 27.1 40.7
86 63.0 51.0 76.6





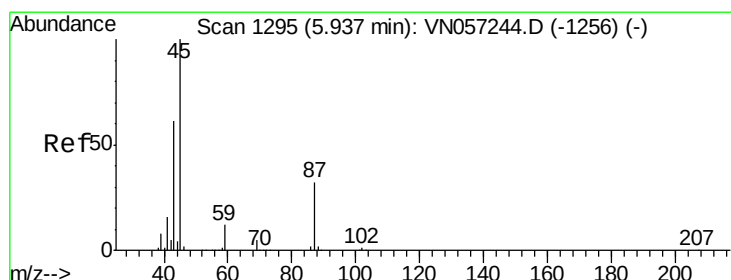
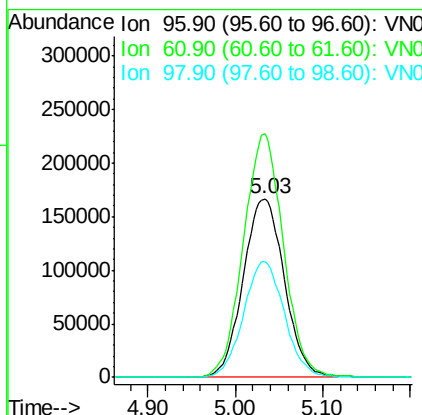
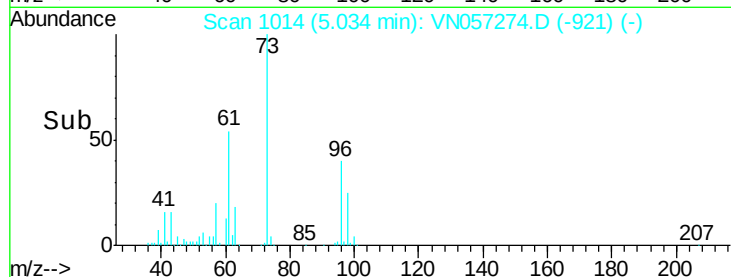
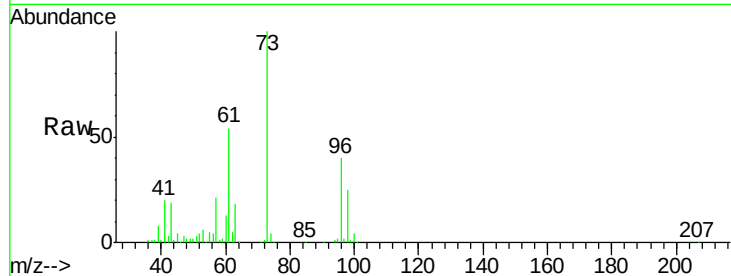
#21
trans-1,2-Dichloroethene
Concen: 49.374 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	104.6	156.8
98	64.4	49.7	74.5

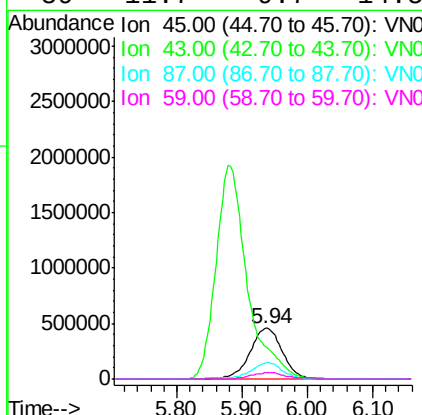
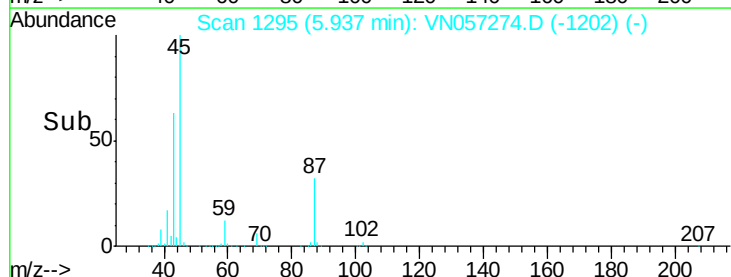
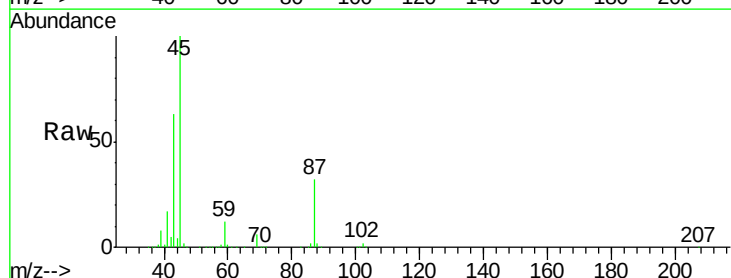
Manual Integrations
APPROVED

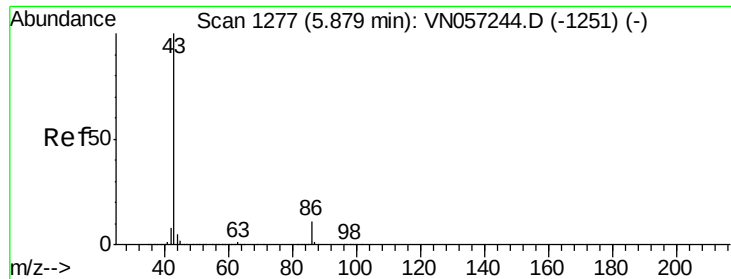
MMDadoda
8/16/2019 8:58:27 AM



#22
Diisopropyl ether
Concen: 51.096 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.9	73.3
87	31.9	25.5	38.3
59	11.7	9.7	14.5





#23

Vinyl Acetate

Concen: 262.604 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 6415230

Ion Ratio Lower Upper

43 100

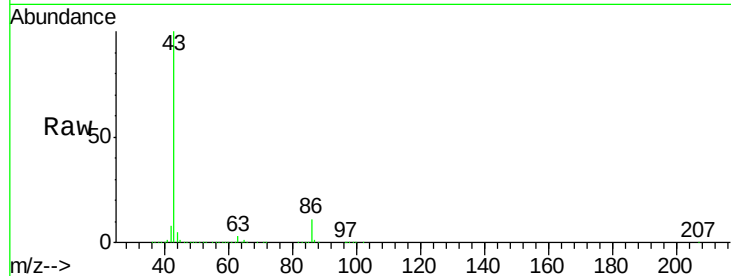
86 11.4 9.2 13.8

Manual Integrations

APPROVED

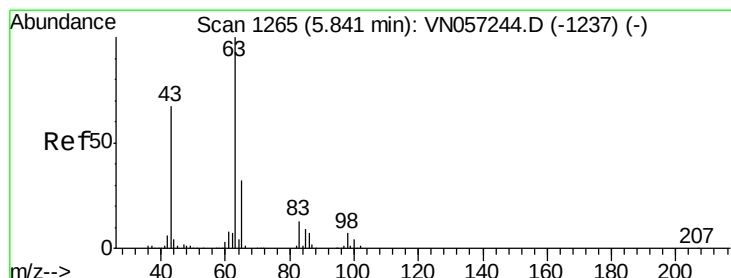
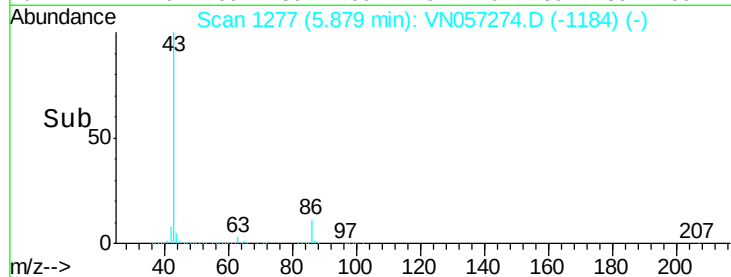
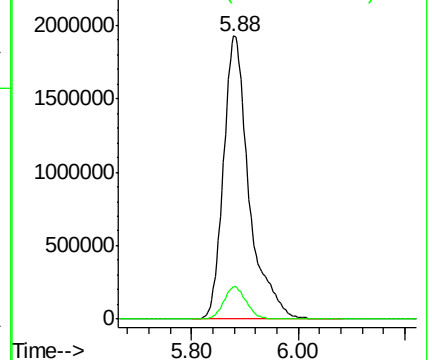
MMDadoda

8/16/2019 8:58:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.724 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

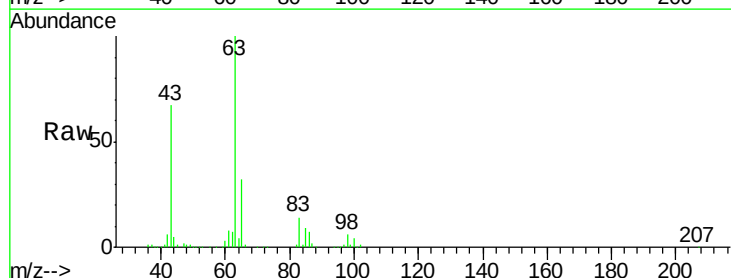
Tgt Ion: 63 Resp: 985196

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

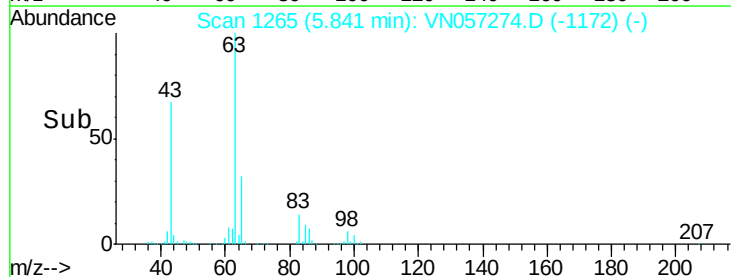
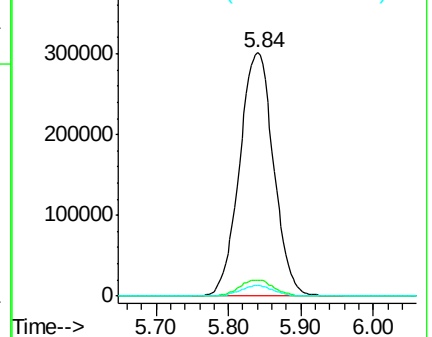
100 4.4 2.1 6.2

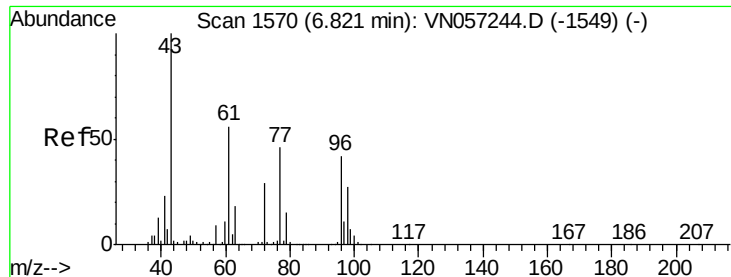


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





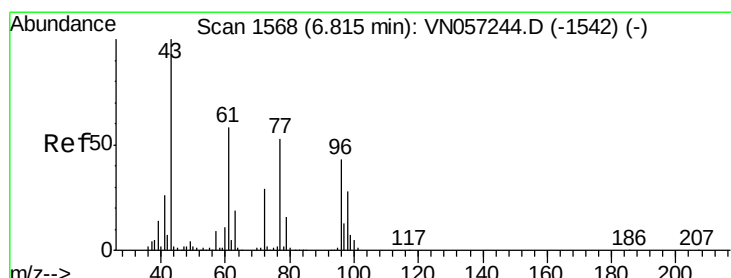
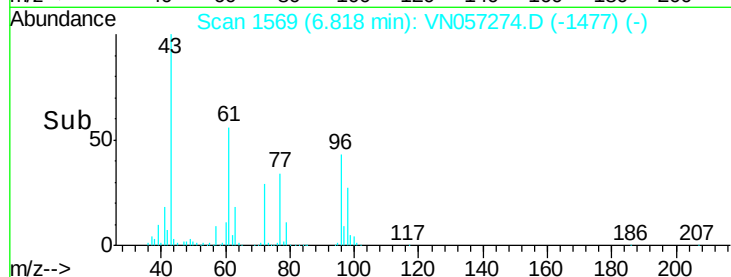
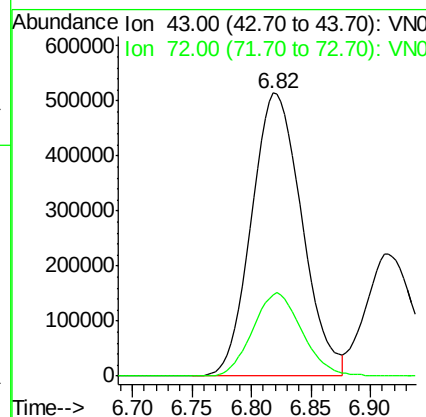
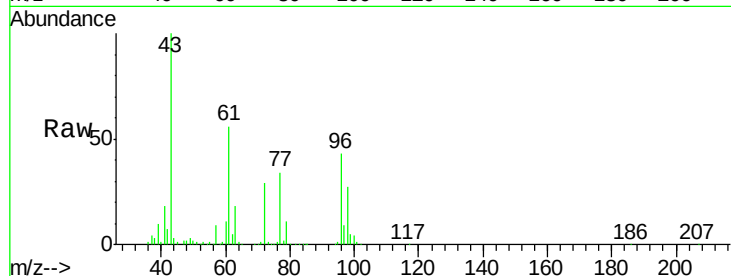
#25
2-Butanone
Concen: 257.465 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1503726
Ion Ratio Lower Upper
43 100
72 28.9 23.1 34.7

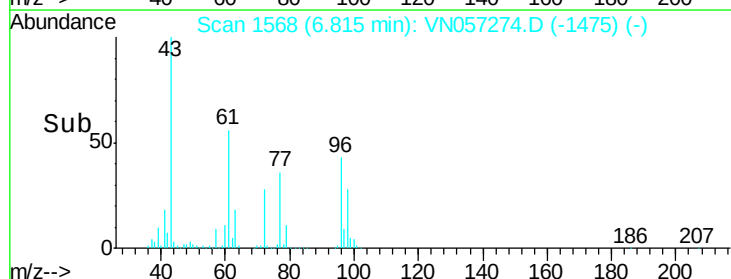
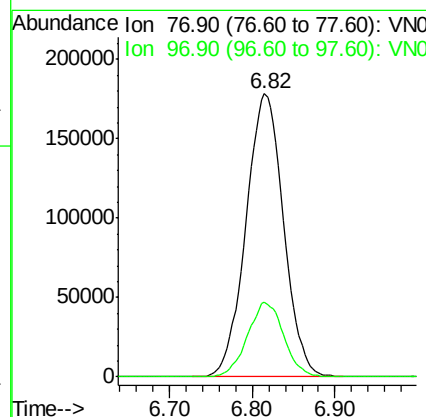
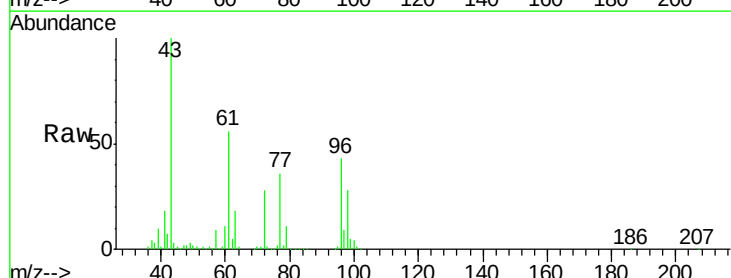
Manual Integrations
APPROVED

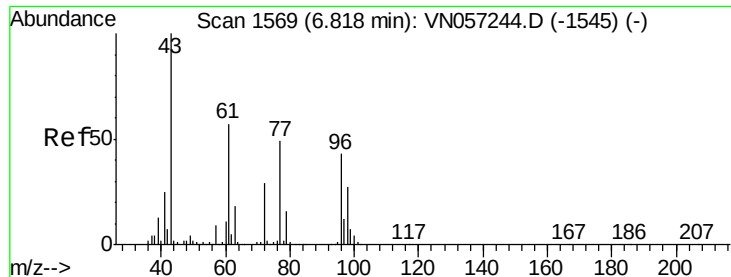
MMDadoda
8/16/2019 8:58:27 AM



#26
2,2-Dichloropropane
Concen: 35.199 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion: 77 Resp: 560908
Ion Ratio Lower Upper
77 100
97 25.5 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 50.784 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

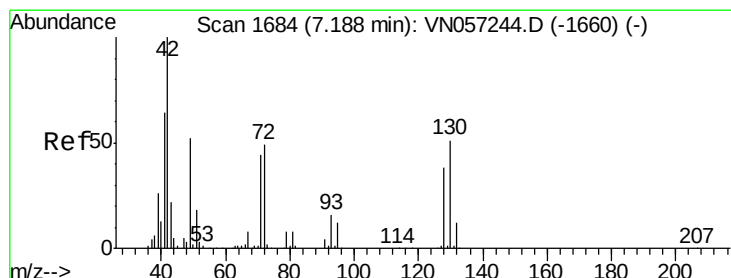
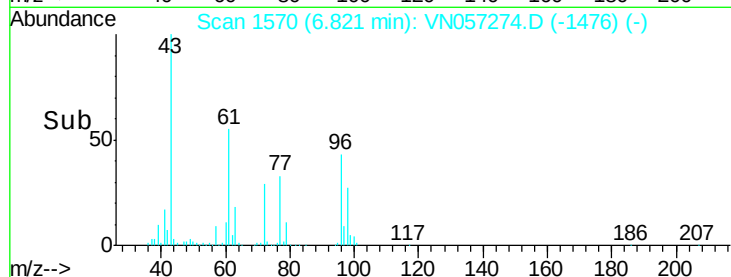
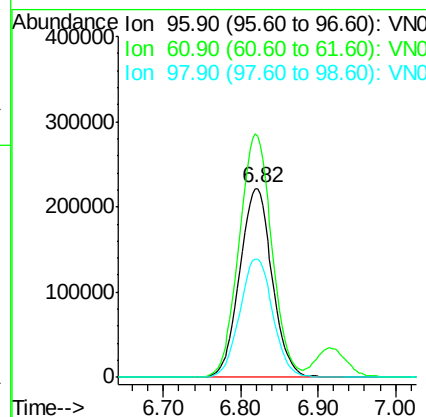
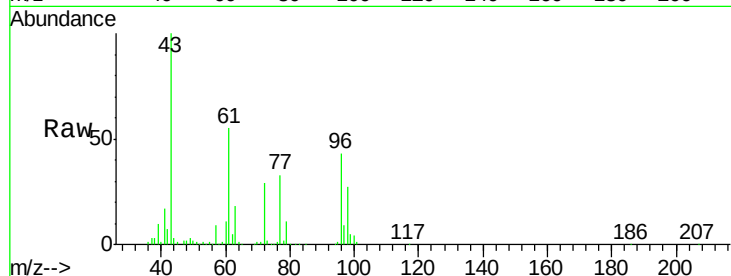
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	645251
Ion Ratio	Lower	Upper	
96	100		
61	130.1	0.0	271.0
98	63.7	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM



#28

Bromochloromethane

Concen: 52.309 ug/l

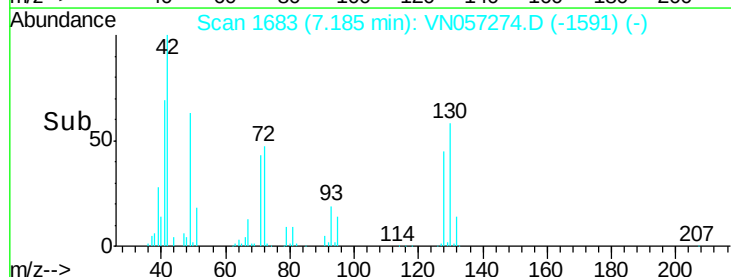
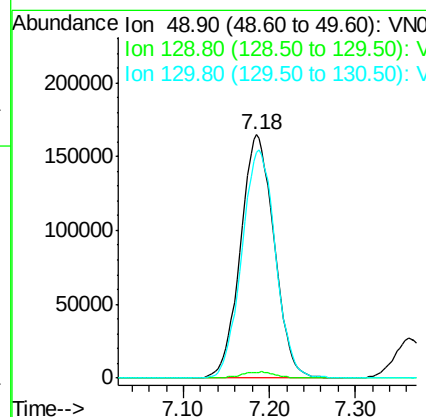
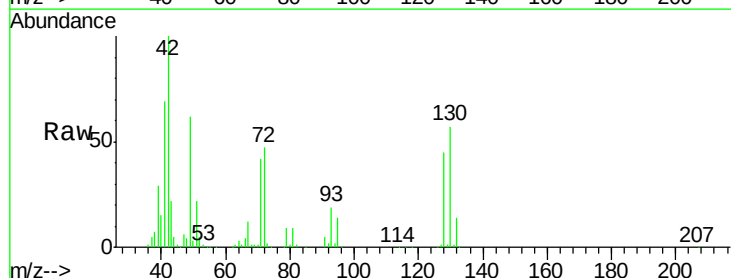
RT: 7.18 min Scan# 1683

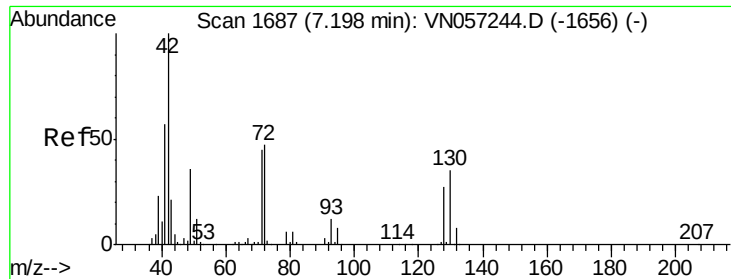
Delta R.T. -0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Tgt Ion:	49	Resp:	448321
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	3.0
130	94.0	75.6	113.4





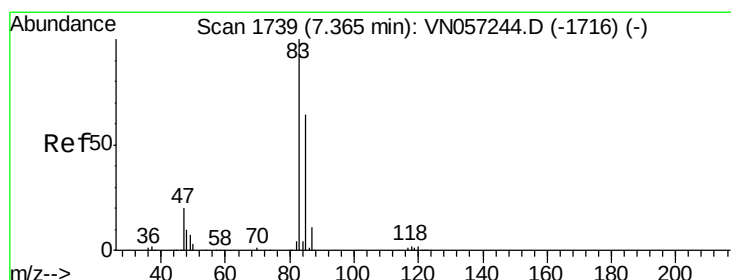
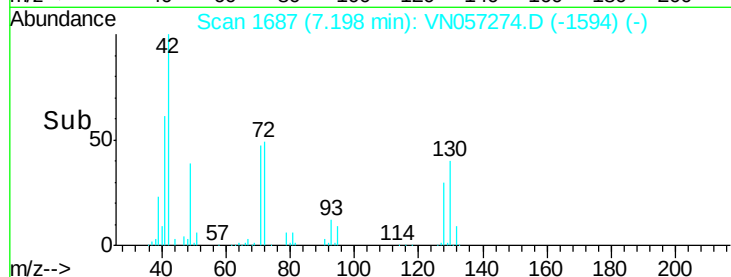
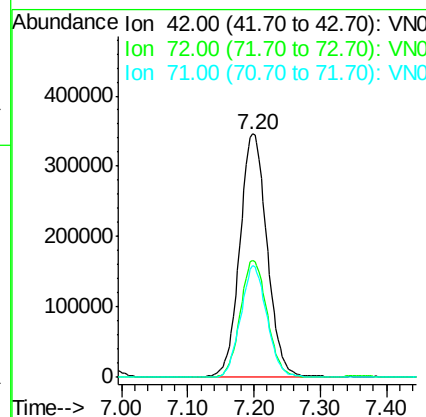
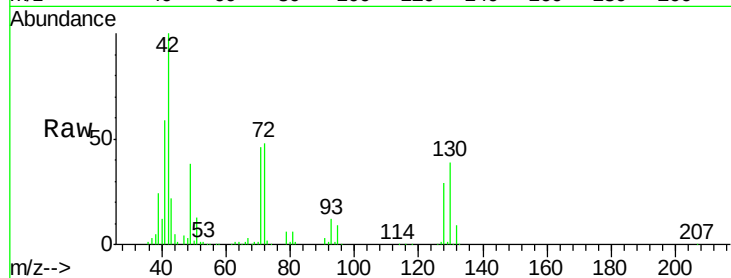
#29
Tetrahydrofuran
Concen: 265.139 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.6	56.4
71	44.0	35.6	53.4

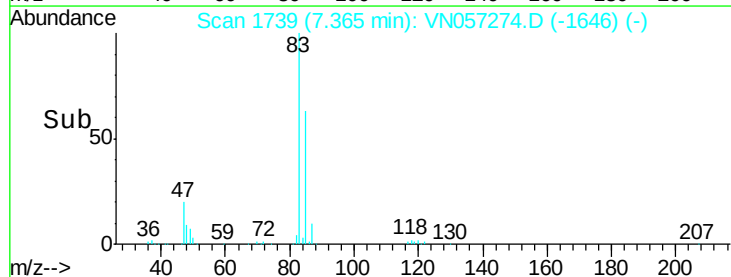
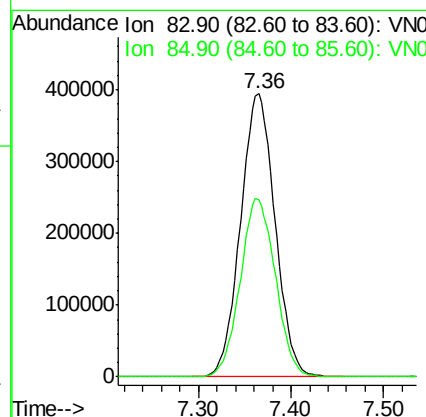
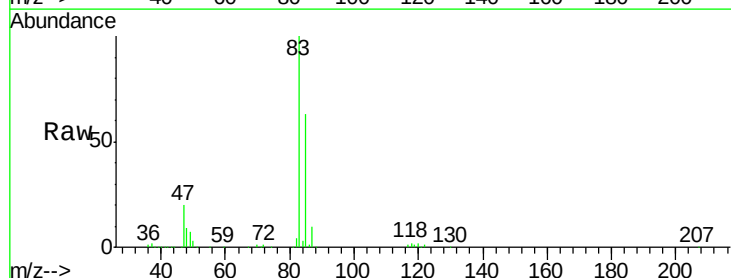
Manual Integrations
APPROVED

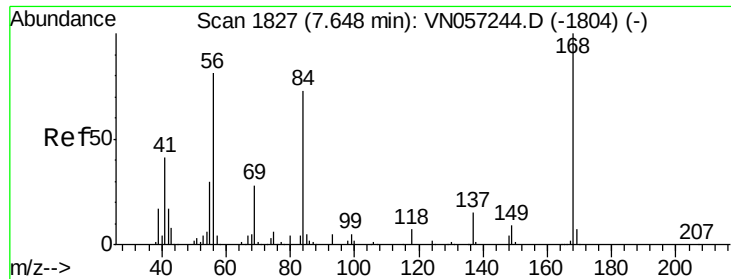
MMDadoda
8/16/2019 8:58:27 AM



#30
Chloroform
Concen: 50.238 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.3	76.9





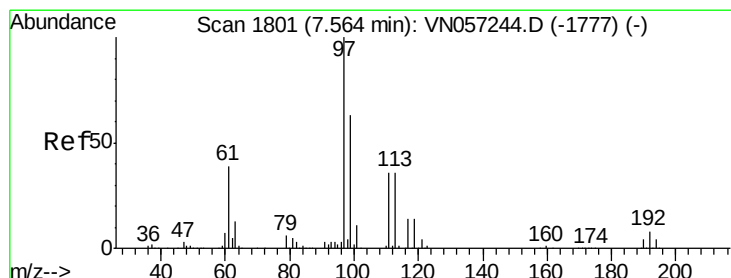
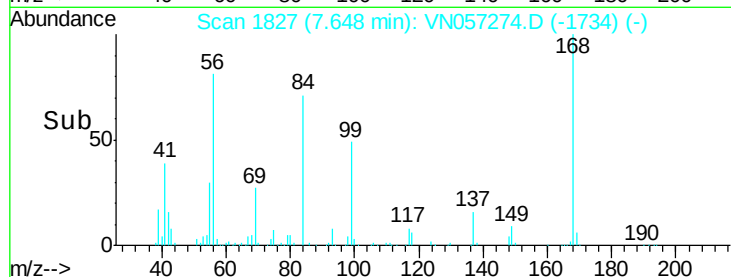
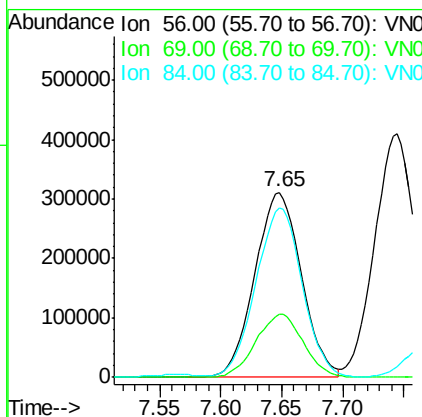
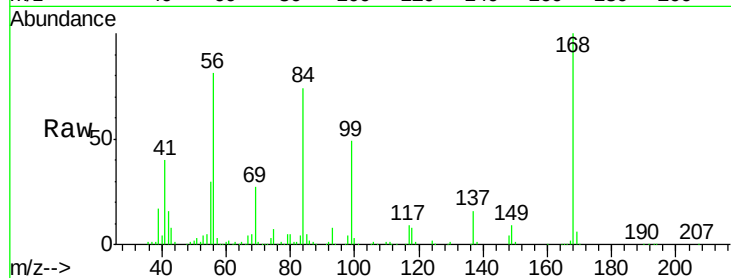
#31
Cyclohexane
Concen: 48.632 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.8	41.8
84	90.6	72.0	108.0

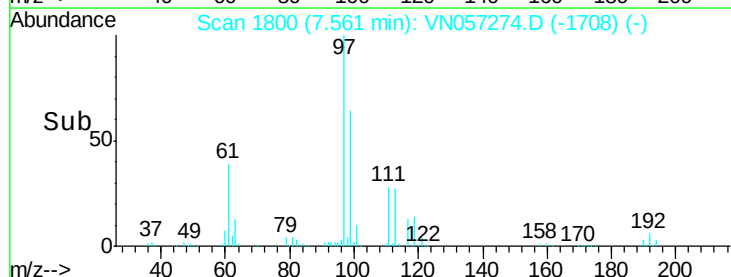
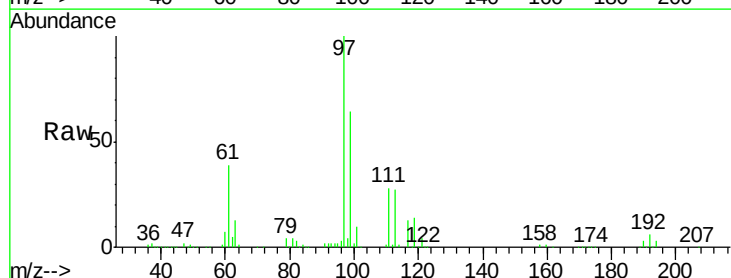
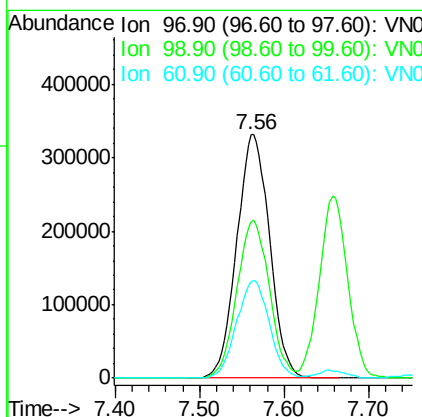
Manual Integrations
APPROVED

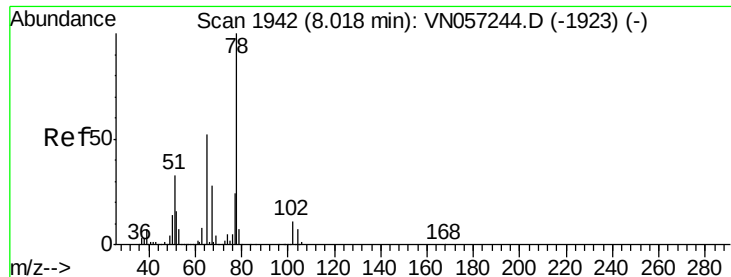
MMDadoda
8/16/2019 8:58:27 AM



#32
1,1,1-Trichloroethane
Concen: 52.478 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	39.9	32.1	48.1





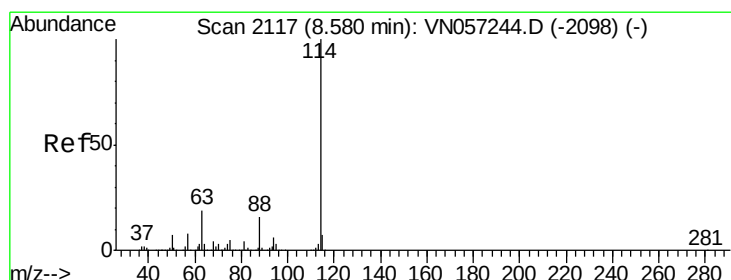
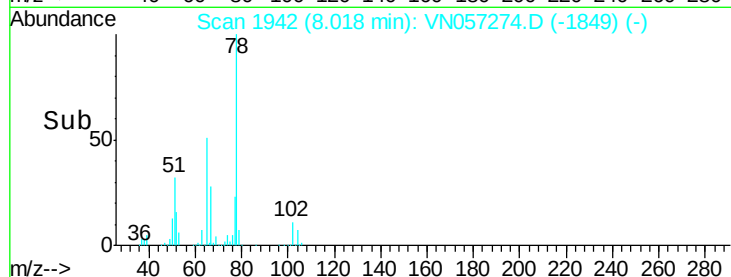
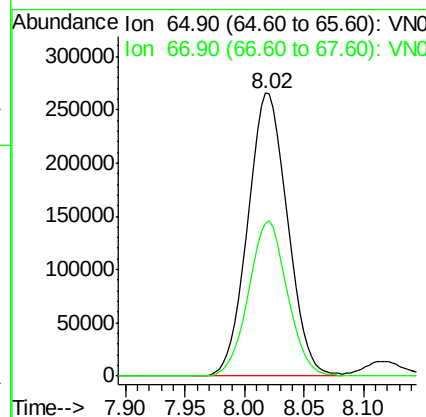
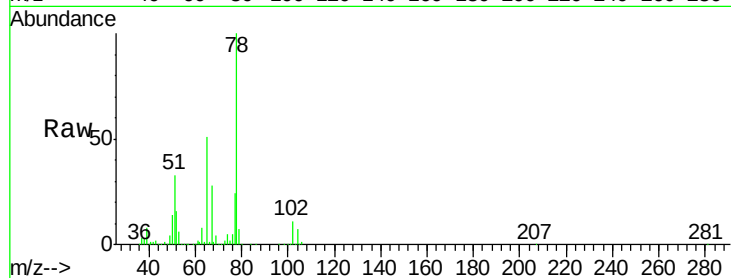
#33
 1,2-Dichloroethane-d4
 Concen: 51.312 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.0

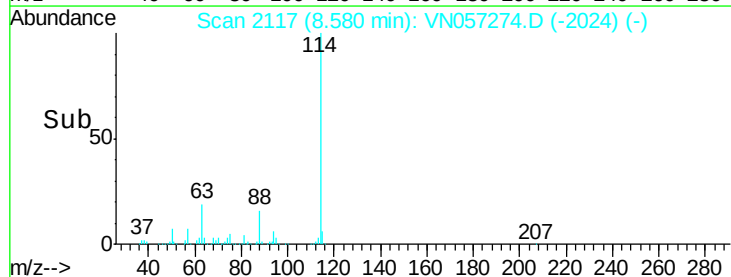
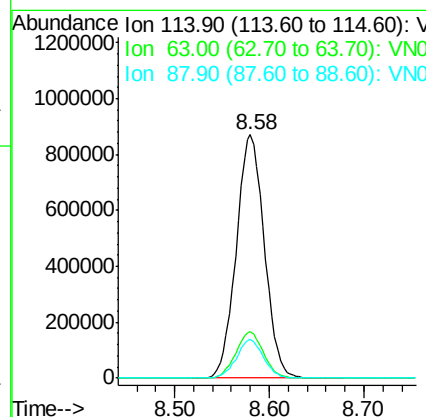
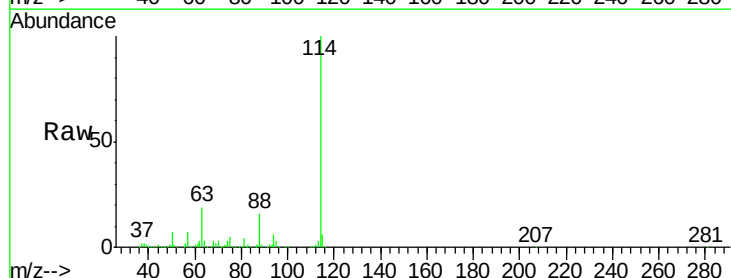
Manual Integrations
 APPROVED

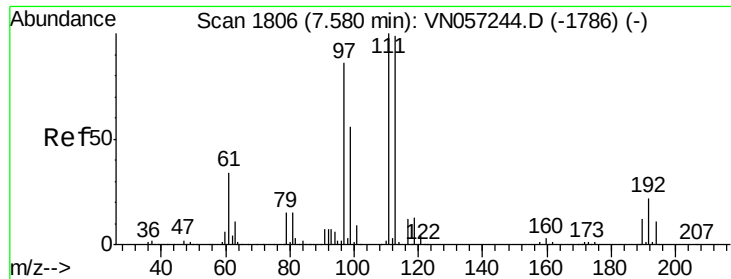
MMDadoda
 8/16/2019 8:58:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	37.0
88	15.7	0.0	31.0





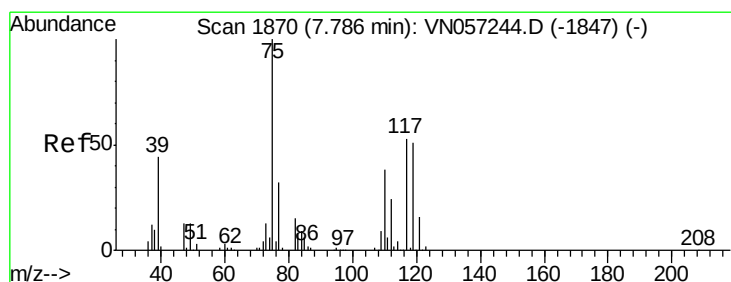
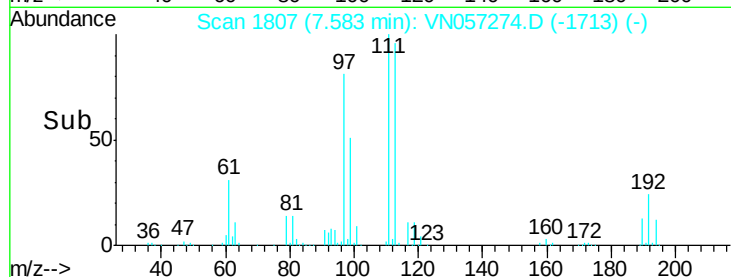
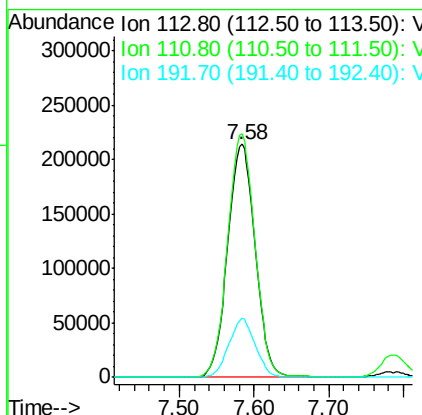
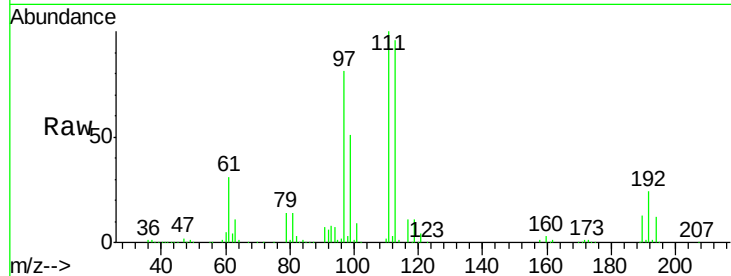
#35
 Dibromofluoromethane
 Concen: 47.977 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	549494		
111	103.0	81.4	122.2	
192	24.1	18.8	28.2	

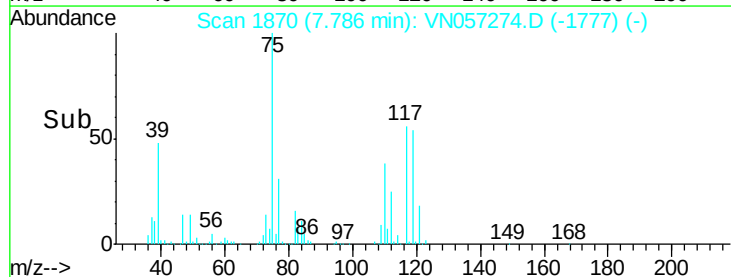
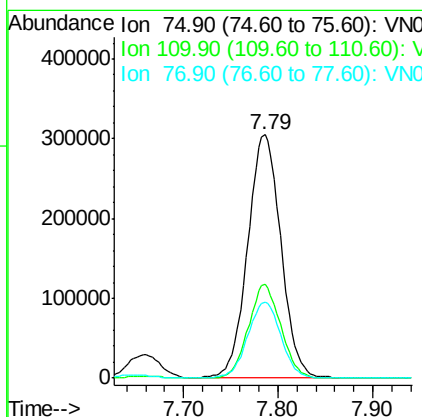
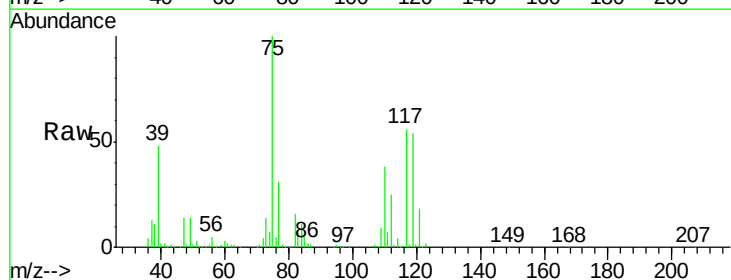
Manual Integrations
 APPROVED

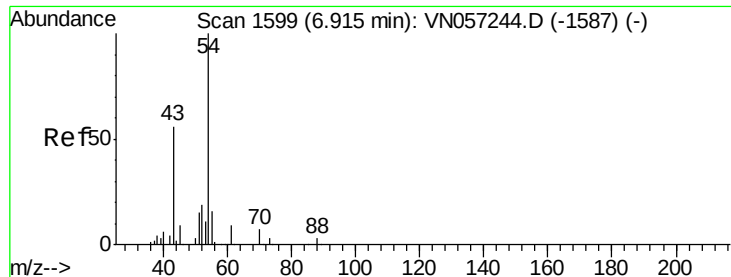
MMDadoda
 8/16/2019 8:58:27 AM



#36
 1,1-Dichloropropene
 Concen: 47.237 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	740783		
110	37.7	19.1	57.1	
77	31.6	25.2	37.8	





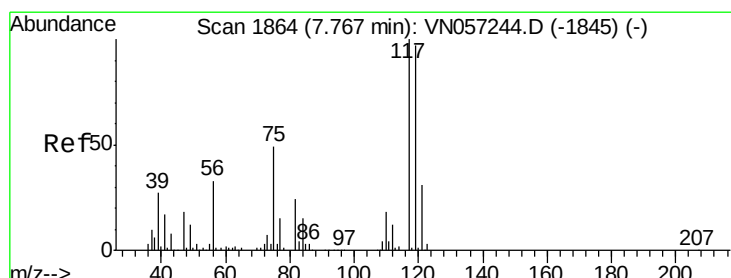
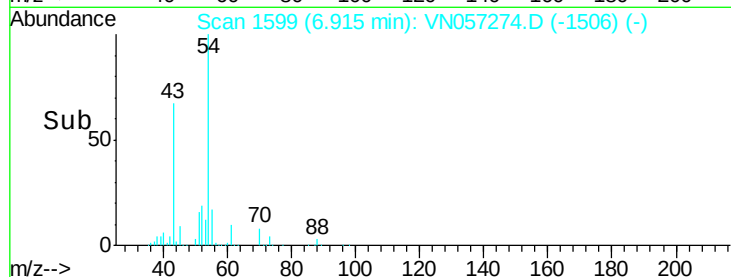
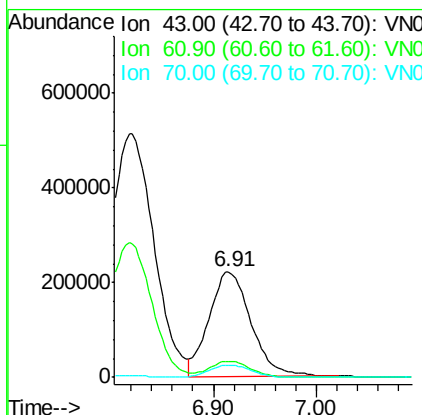
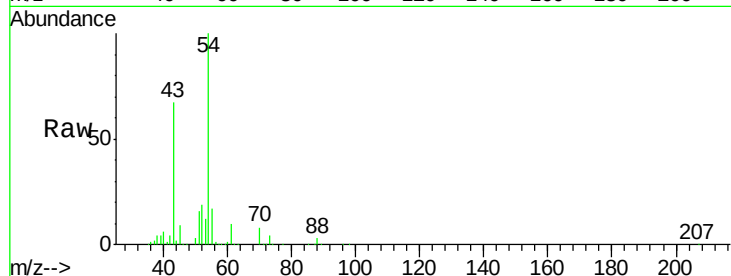
#37
Ethyl Acetate
Concen: 49.626 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.7	19.1
70	11.6	9.0	13.4

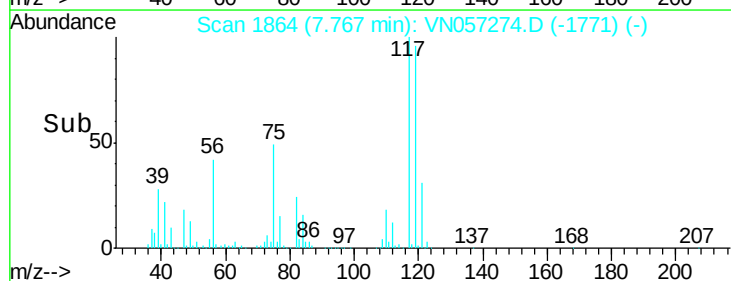
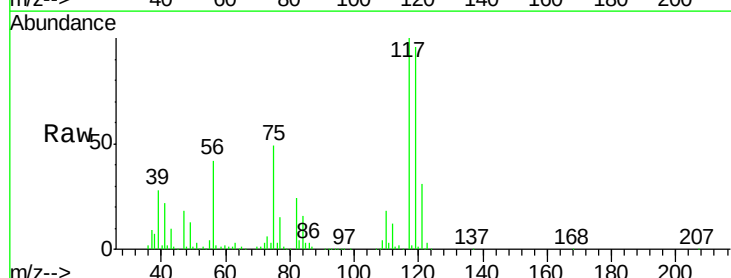
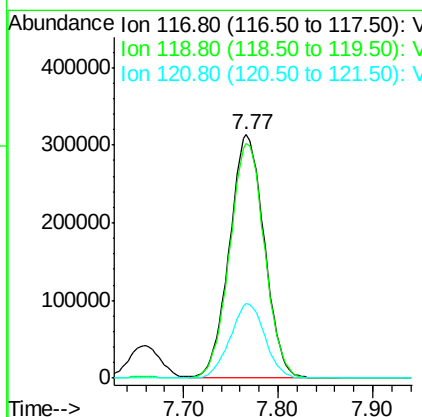
Manual Integrations
APPROVED

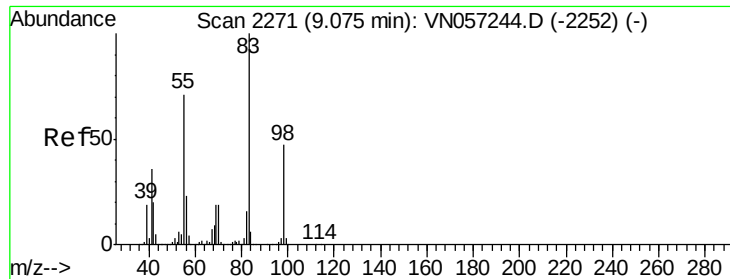
MMDadoda
8/16/2019 8:58:27 AM



#38
Carbon Tetrachloride
Concen: 48.063 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.6
121	30.5	24.9	37.3





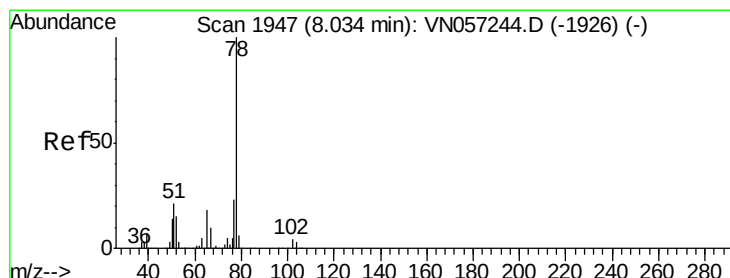
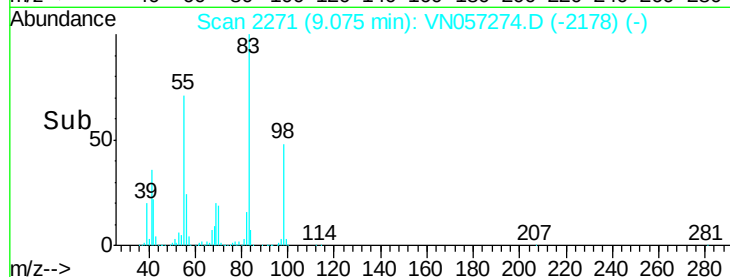
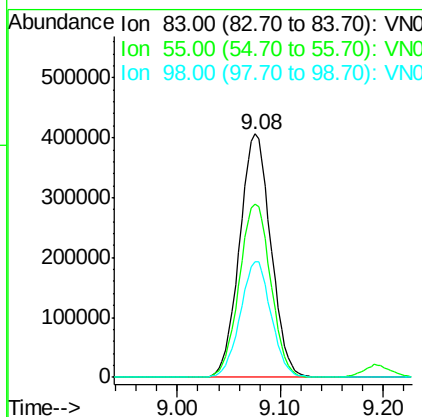
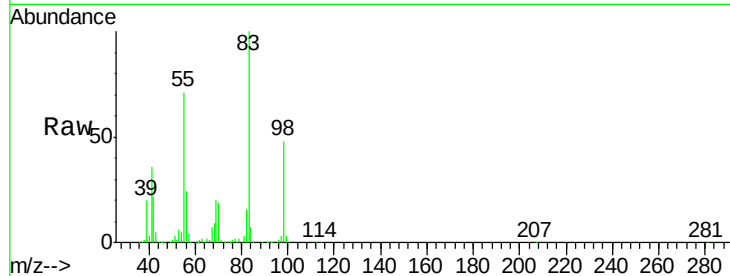
#39
Methylvlcyclohexane
Concen: 46.239 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	858543
Ion Ratio	Lower	Upper	
83	100		
55	71.3	57.0	85.4
98	47.7	37.2	55.8

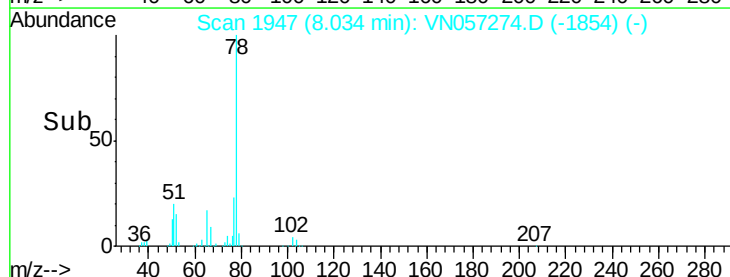
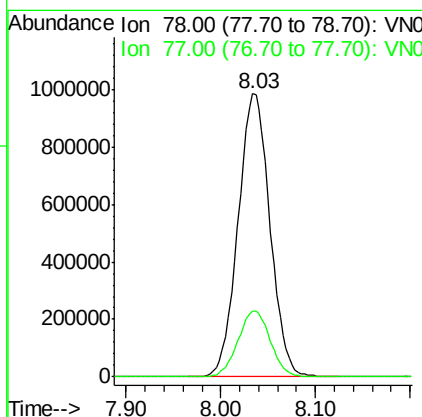
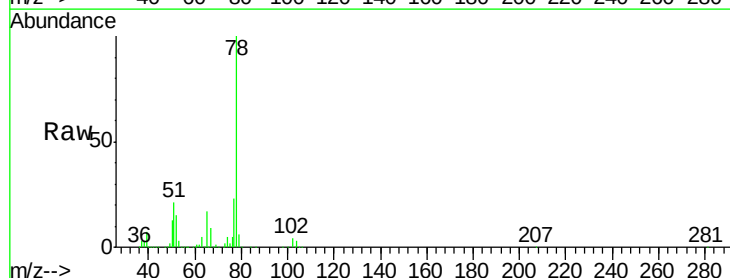
Manual Integrations
APPROVED

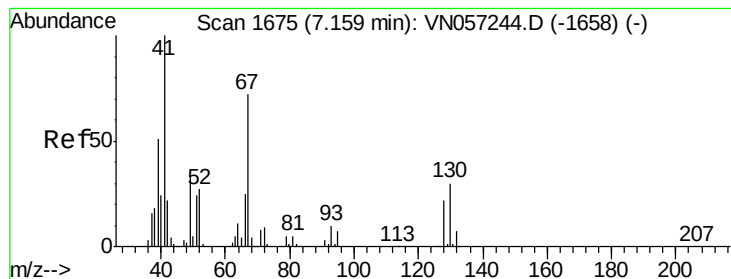
MMDadoda
8/16/2019 8:58:27 AM



#40
Benzene
Concen: 48.375 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	78	Resp	2304684
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.2	27.4





#41

Methacrylonitrile

Concen: 52.525 ug/l m

RT: 7.17 min Scan# 1677

Delta R.T. 0.01 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 272458

Ion Ratio Lower Upper

41 100

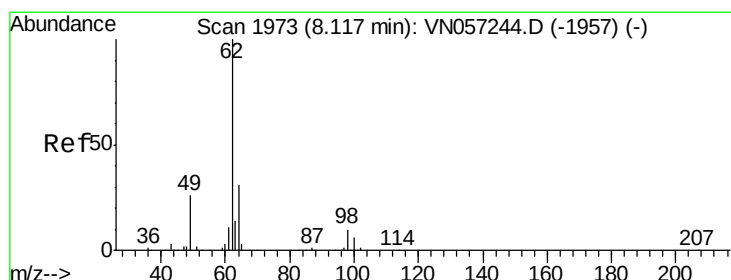
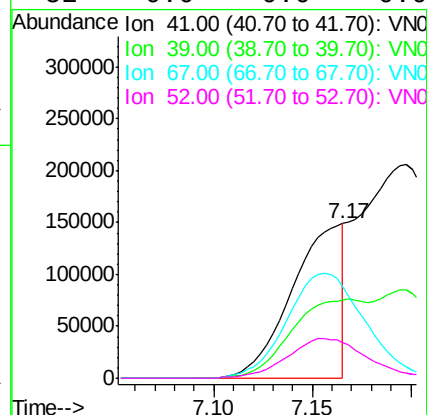
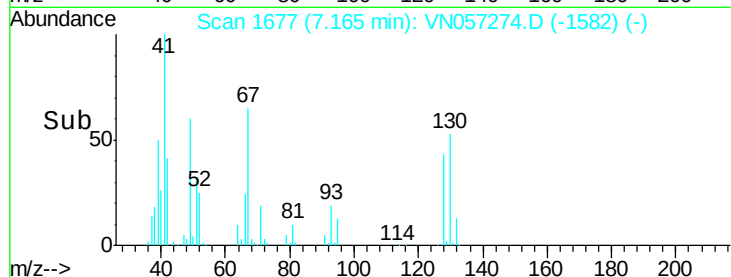
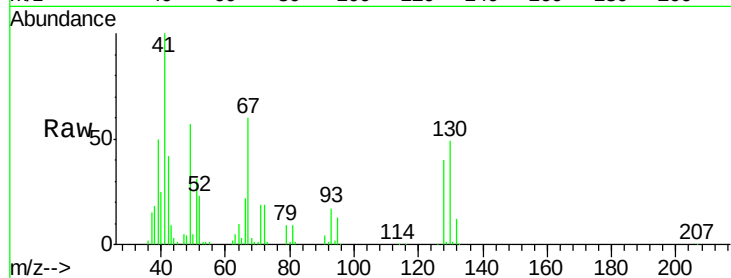
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM



#42

1,2-Dichloroethane

Concen: 49.808 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN057274.D

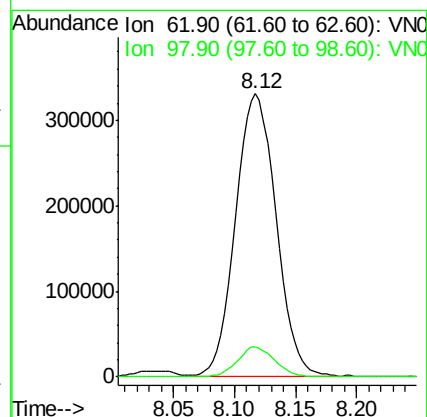
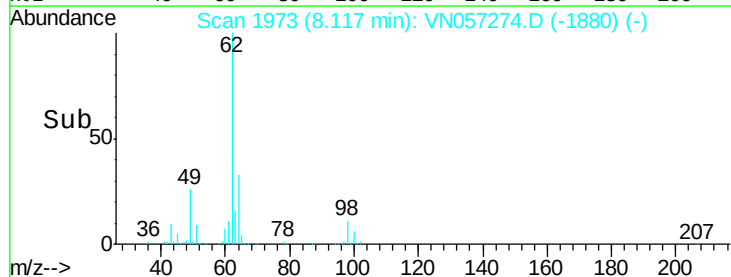
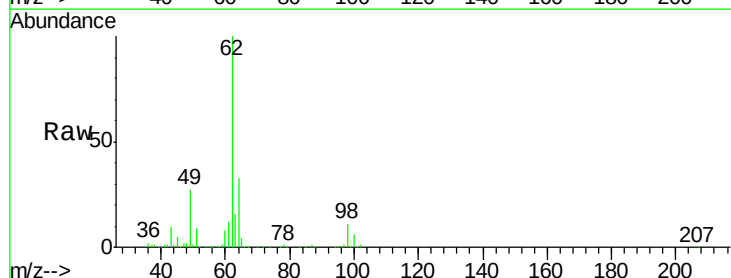
Acq: 14 Aug 2019 2:42

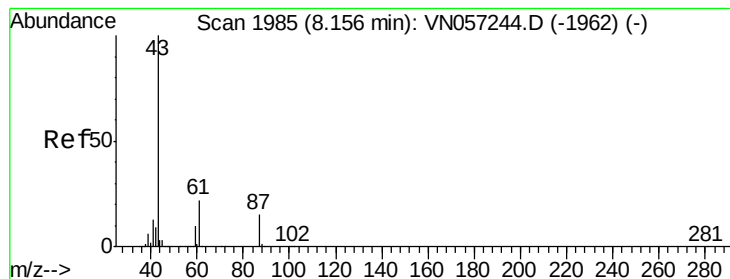
Tgt Ion: 62 Resp: 760410

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.0





#43

Isopropyl Acetate

Concen: 70.614 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1465854

Ion Ratio Lower Upper

43 100

61 21.6 23.5 35.3#

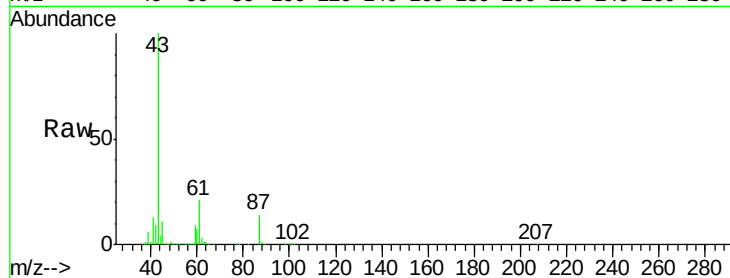
87 11.1 12.1 18.1#

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VN057274.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN057274.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN057274.D (-1962) (-)

600000

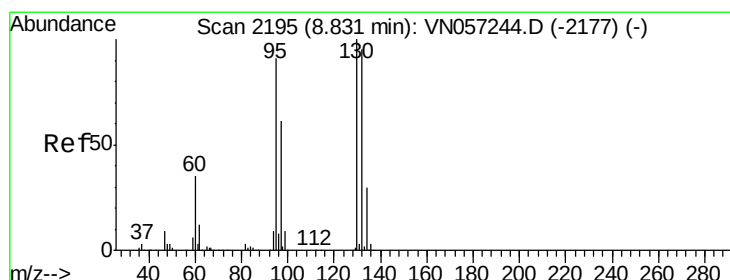
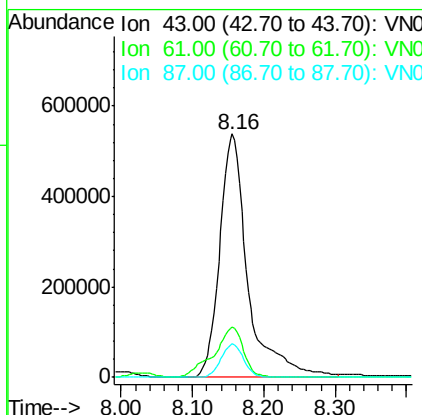
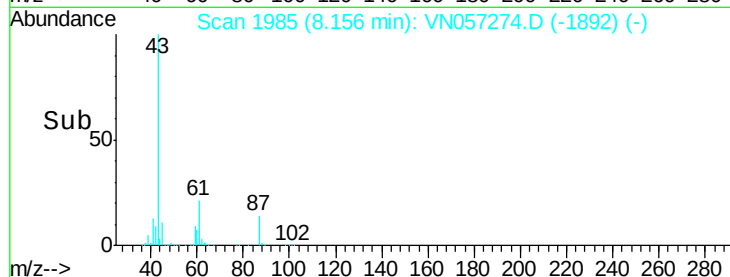
400000

200000

0

8.16

8.00 8.10 8.20 8.30



#44

Trichloroethene

Concen: 47.389 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057274.D

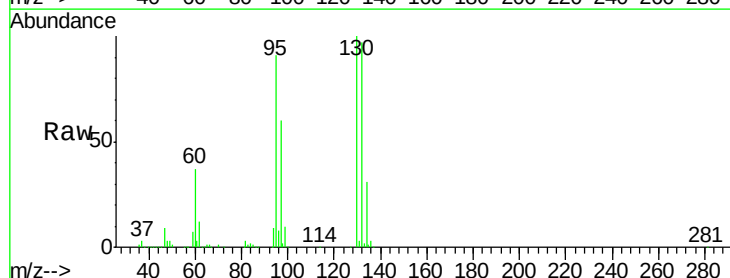
Acq: 14 Aug 2019 2:42

Tgt Ion: 130 Resp: 654456

Ion Ratio Lower Upper

130 100

95 91.2 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VN057274.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057274.D (-2177) (-)

300000

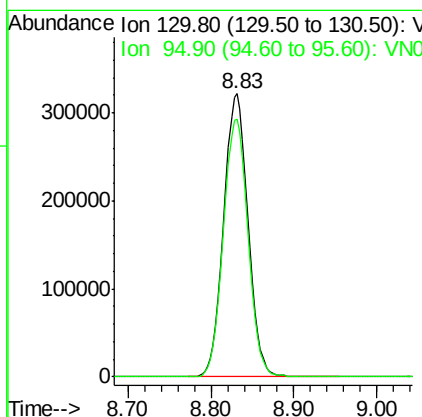
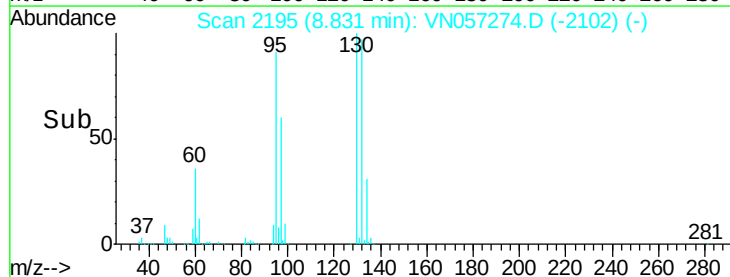
200000

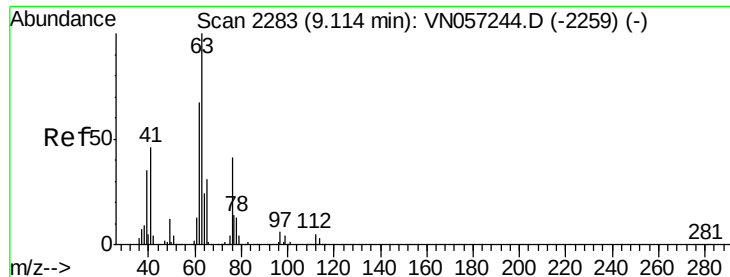
100000

0

8.83

8.70 8.80 8.90 9.00





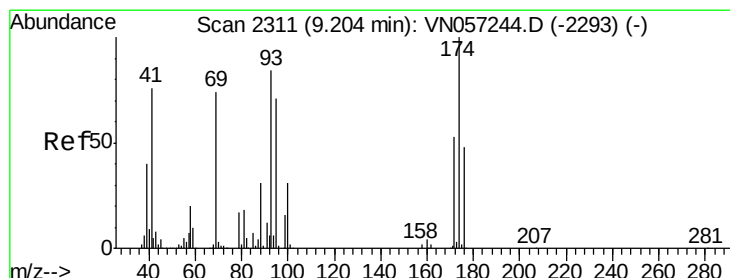
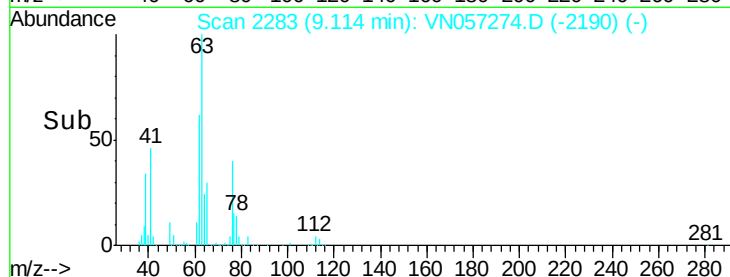
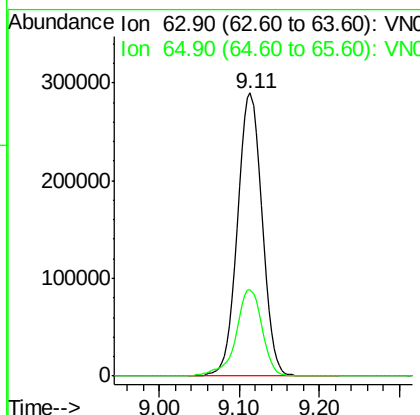
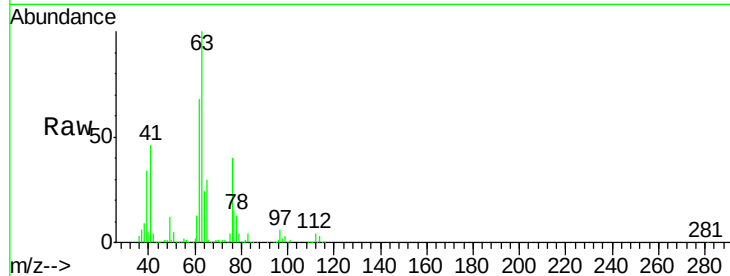
#45
 1,2-Dichloropropane
 Concen: 49.495 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.0	37.4

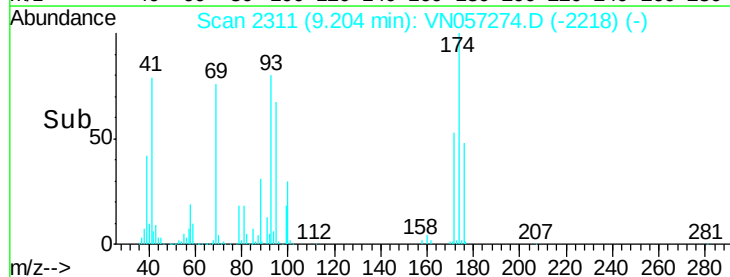
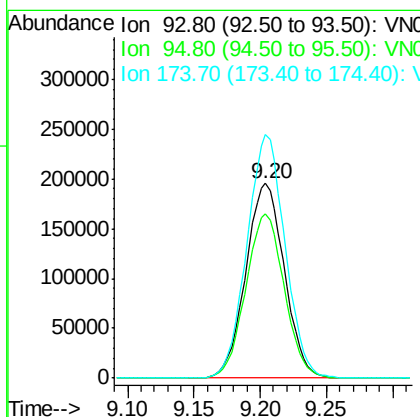
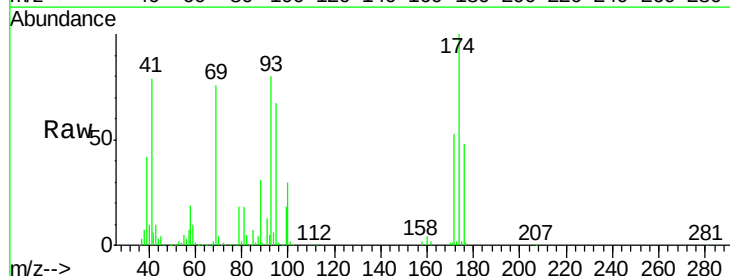
Manual Integrations
 APPROVED

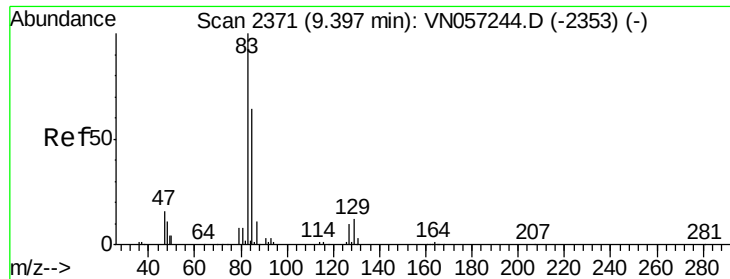
MMDadoda
 8/16/2019 8:58:27 AM



#46
 Dibromomethane
 Concen: 48.536 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.0	100.4
174	123.8	96.2	144.2





#47

Bromodichloromethane

Concen: 50.761 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

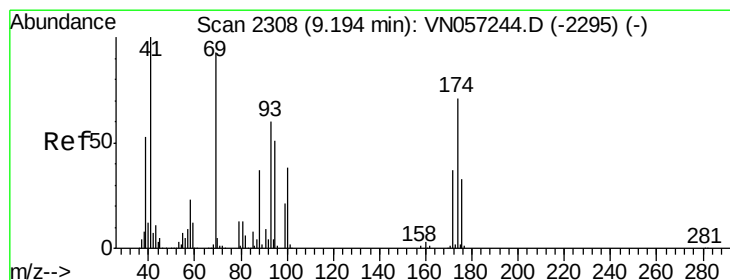
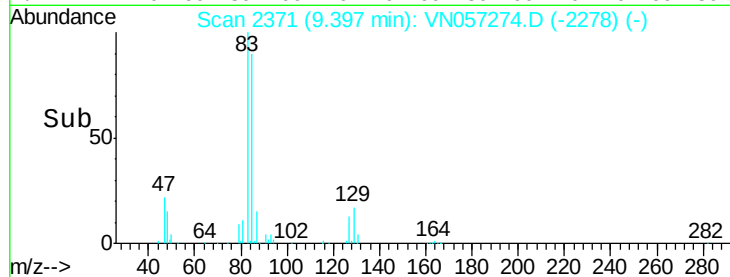
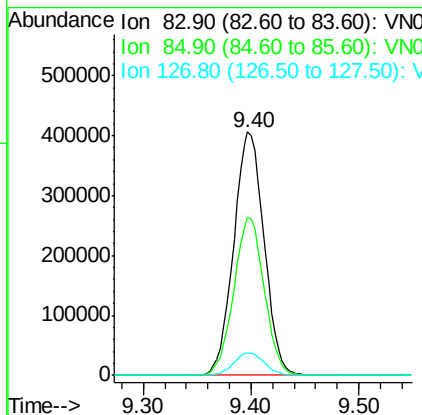
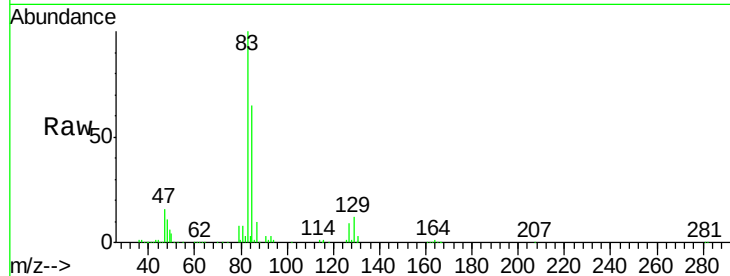
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	796422
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.4	77.0
127	9.3	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM



#48

Methyl methacrylate

Concen: 52.590 ug/l

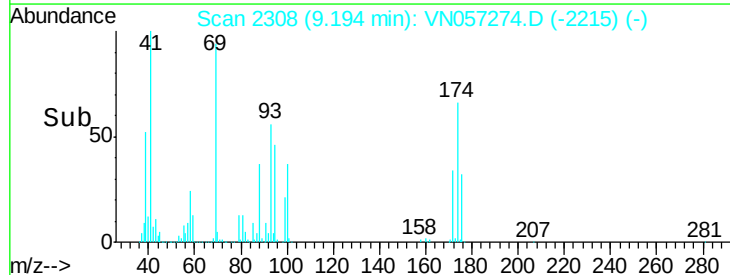
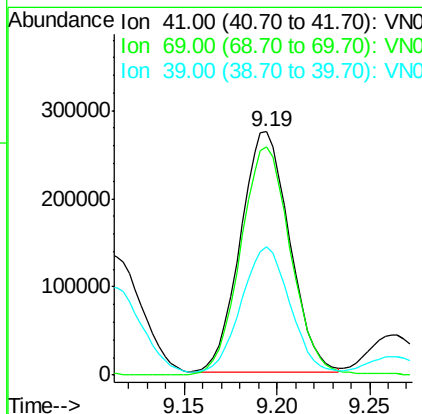
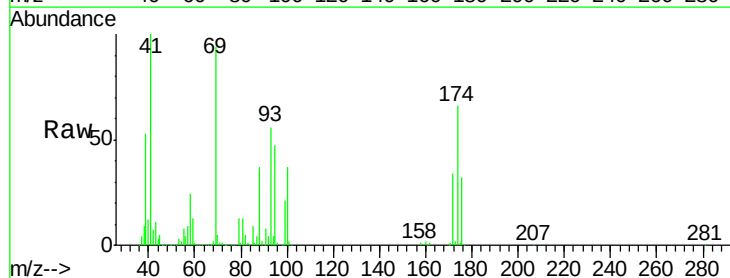
RT: 9.19 min Scan# 2308

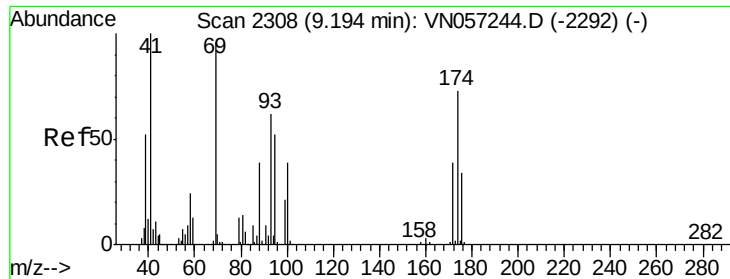
Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Tgt Ion:	41	Resp:	505144
Ion Ratio	Lower	Upper	
41	100		
69	96.7	75.7	113.5
39	53.7	43.3	64.9





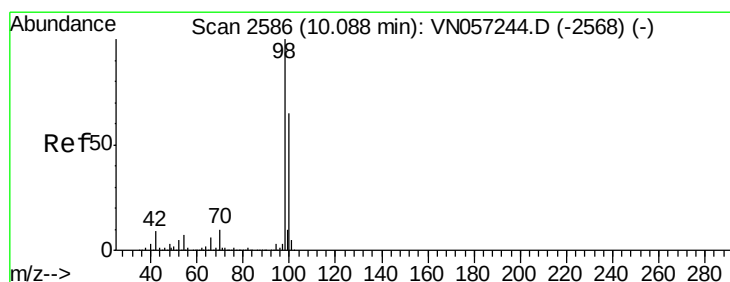
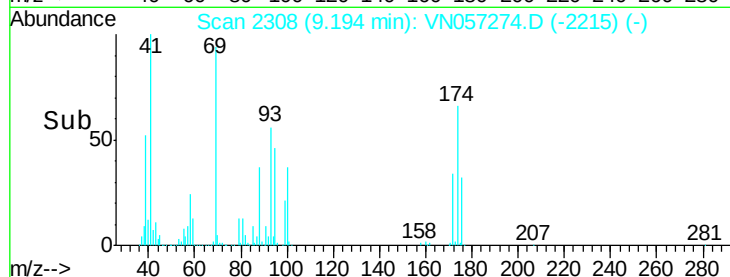
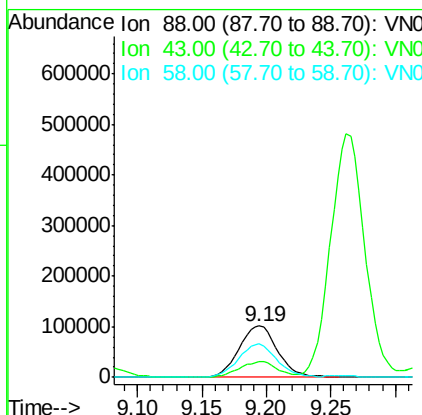
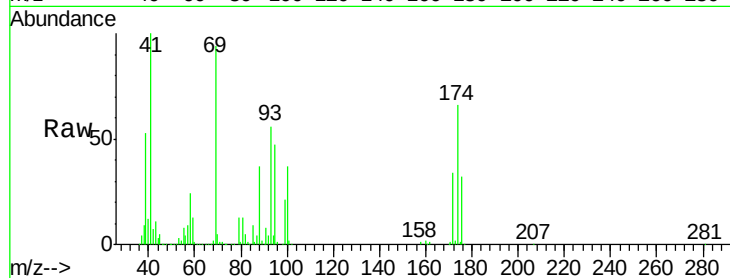
#49
1,4-Dioxane
Concen: 985.832 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	20.7	31.1
58	64.8	52.0	78.0

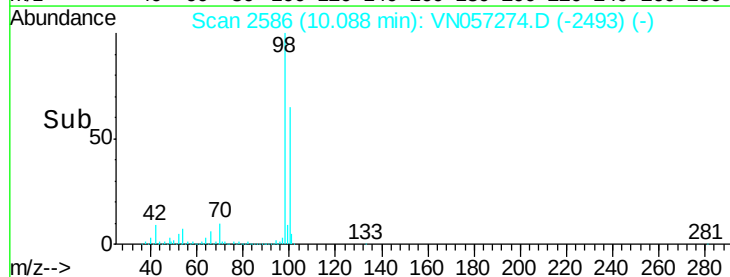
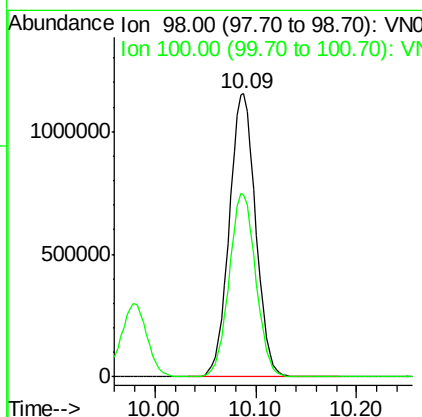
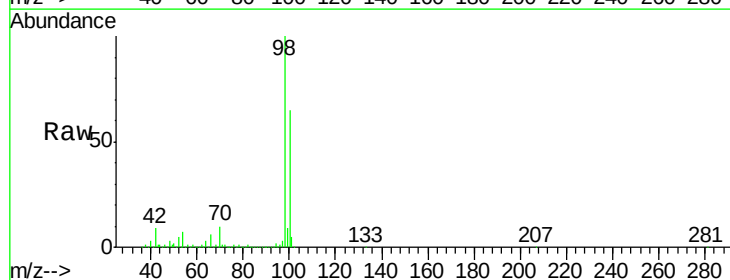
Manual Integrations
APPROVED

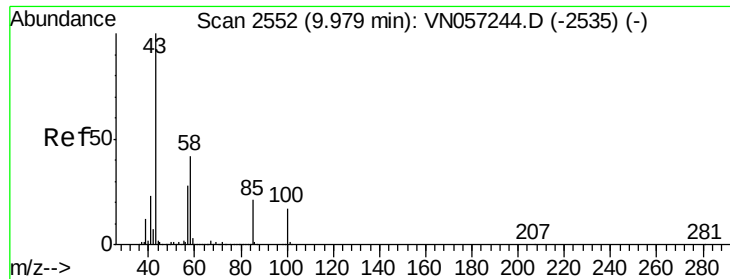
MMDadoda
8/16/2019 8:58:27 AM



#50
Toluene-d8
Concen: 50.330 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.6





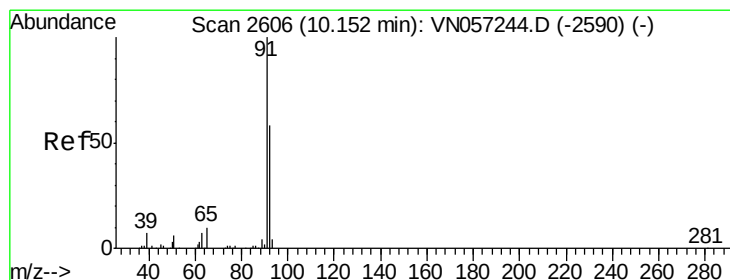
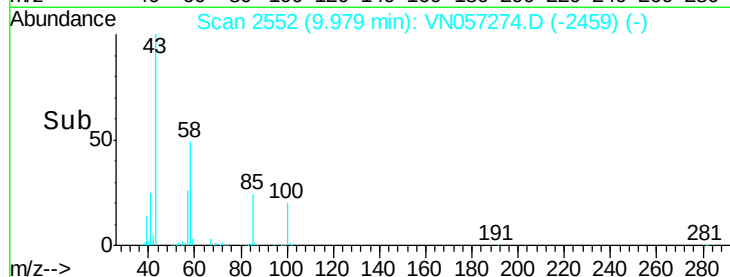
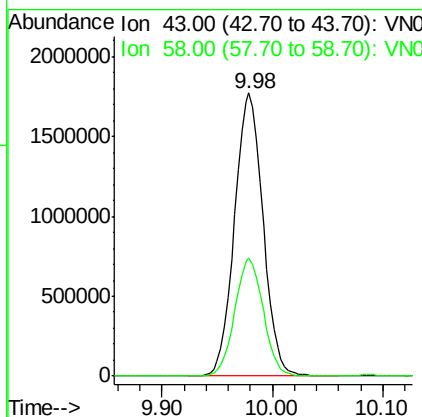
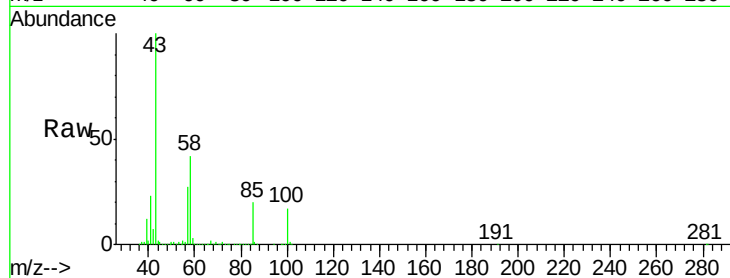
#51
 4-Methyl-2-Pentanone
 Concen: 259.396 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3161951
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.7 50.5

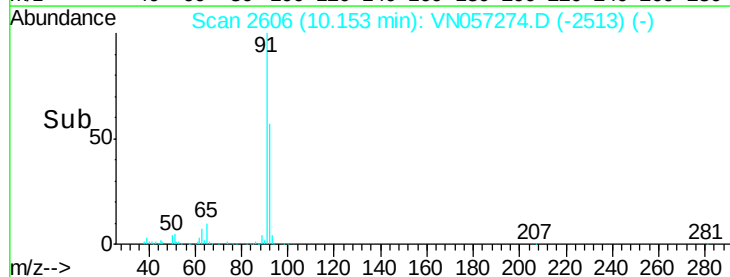
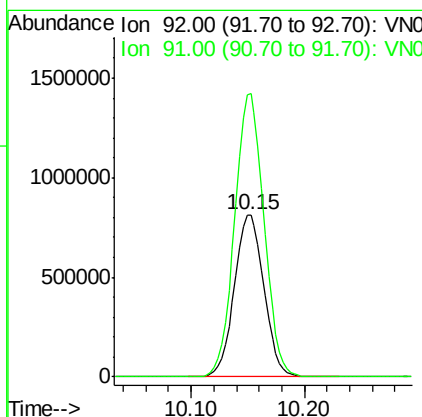
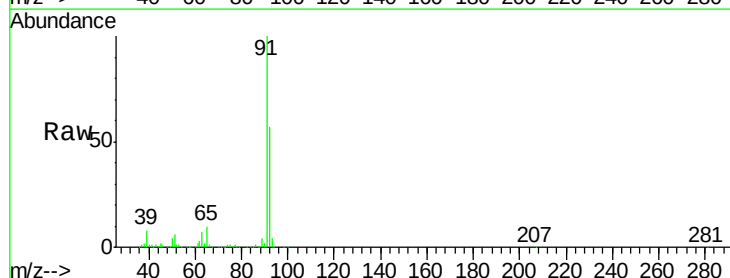
Manual Integrations
 APPROVED

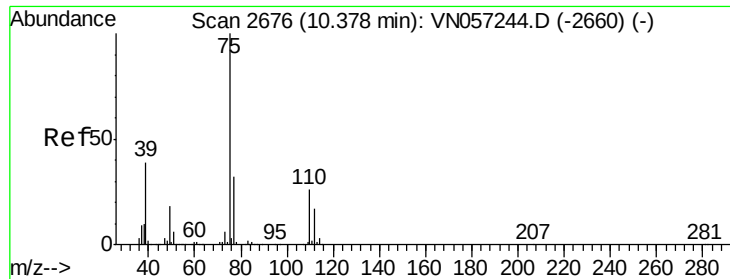
MMDadoda
 8/16/2019 8:58:27 AM



#52
 Toluene
 Concen: 49.951 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion: 92 Resp: 1478449
 Ion Ratio Lower Upper
 92 100
 91 173.7 138.2 207.2





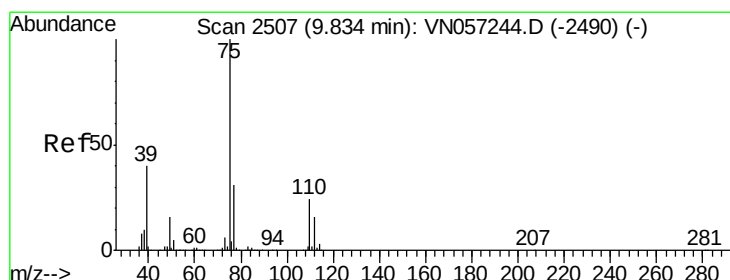
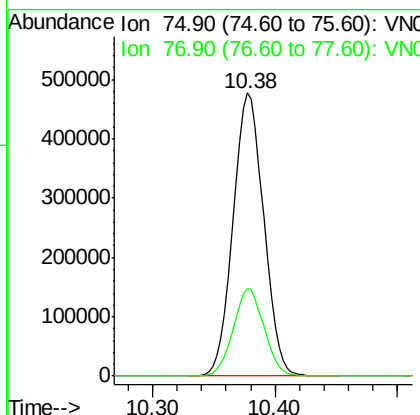
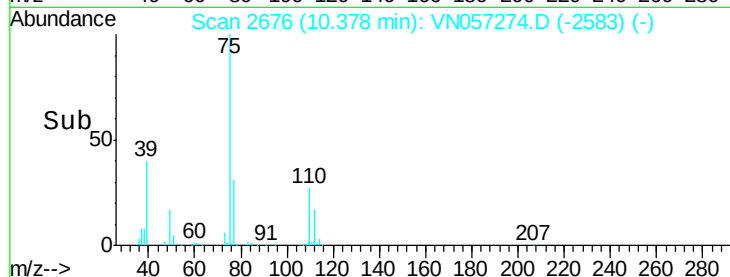
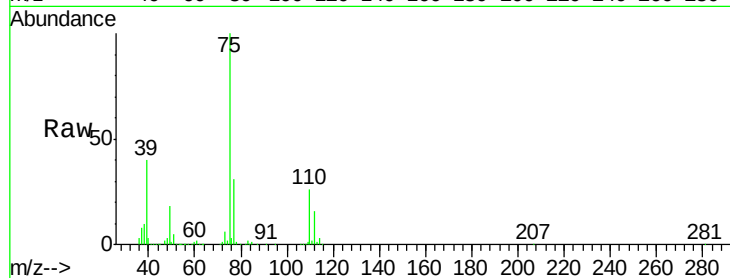
#53
t-1,3-Dichloropropene
Concen: 49.522 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9

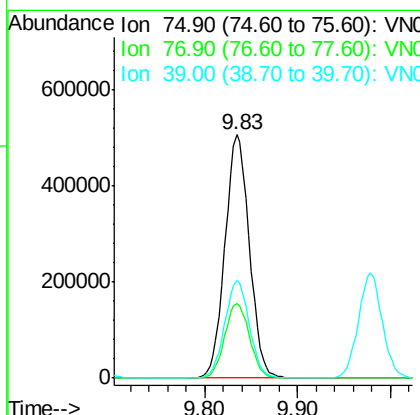
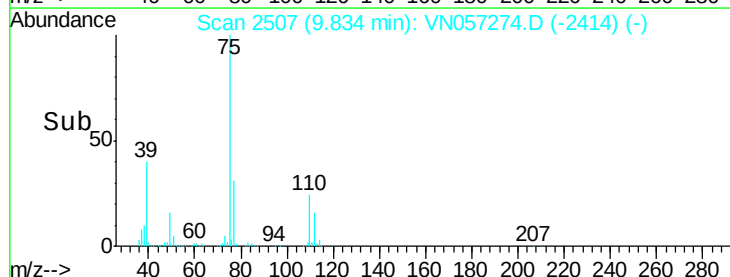
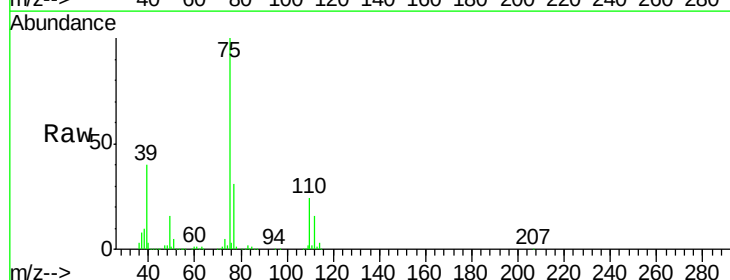
Manual Integrations
APPROVED

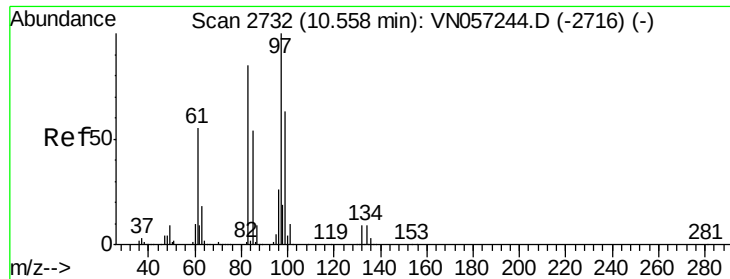
MMDadoda
8/16/2019 8:58:27 AM



#54
cis-1,3-Dichloropropene
Concen: 48.809 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.6
39	39.8	32.3	48.5





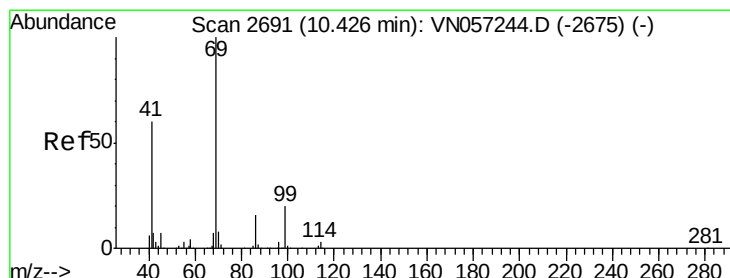
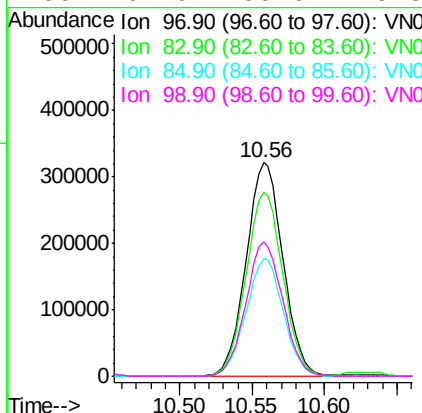
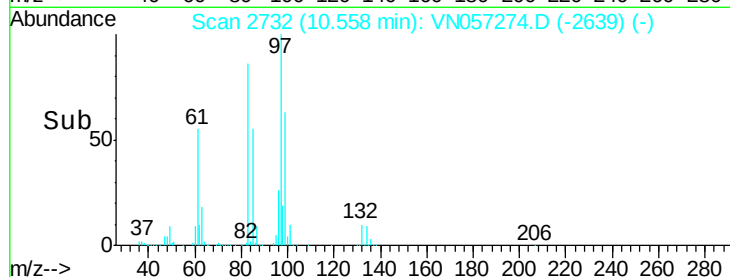
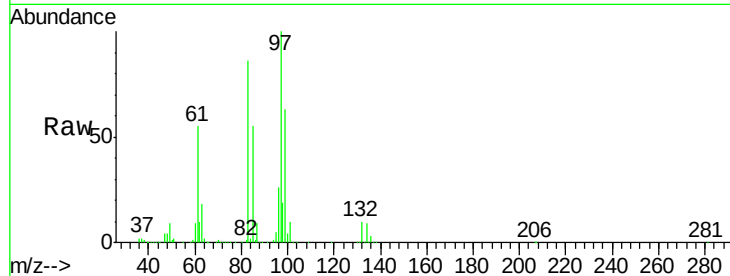
#55
 1,1,2-Trichloroethane
 Concen: 49.101 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		568055		
83	86.5	68.4	102.6		
85	55.4	43.0	64.6		
99	62.9	50.6	75.8		

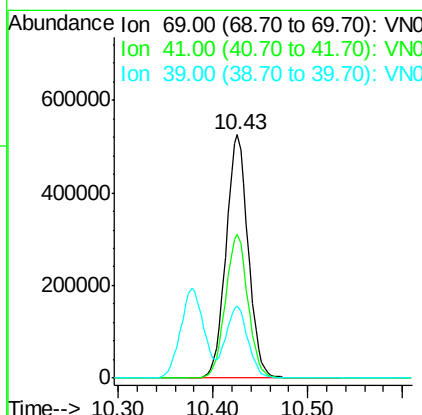
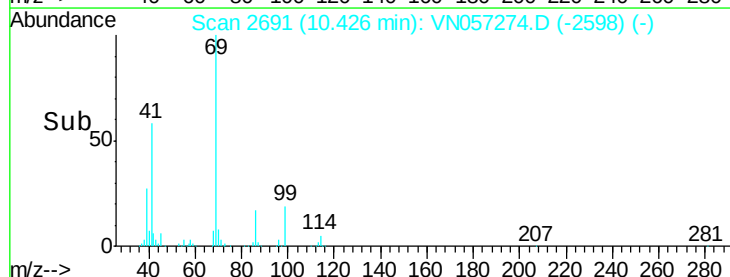
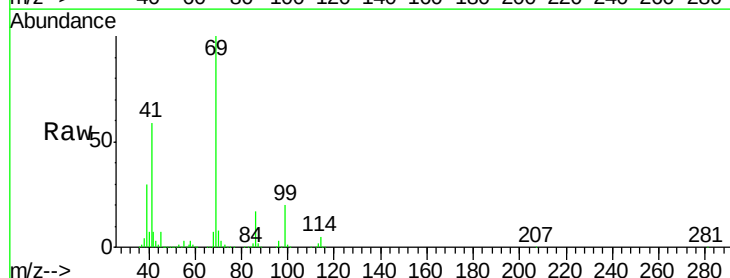
Manual Integrations
 APPROVED

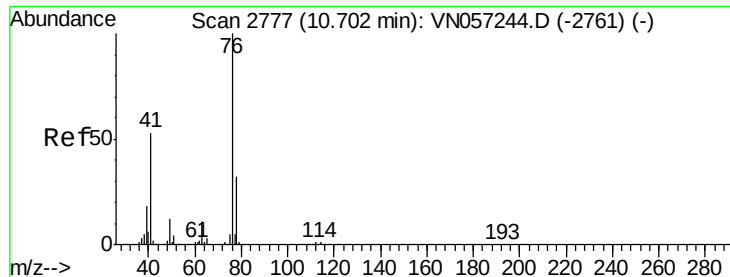
MMDadoda
 8/16/2019 8:58:27 AM



#56
 Ethyl methacrylate
 Concen: 52.696 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		855330		
41	59.3	47.6	71.4		
39	29.3	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 49.477 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 944385

Ion Ratio Lower Upper

76 100

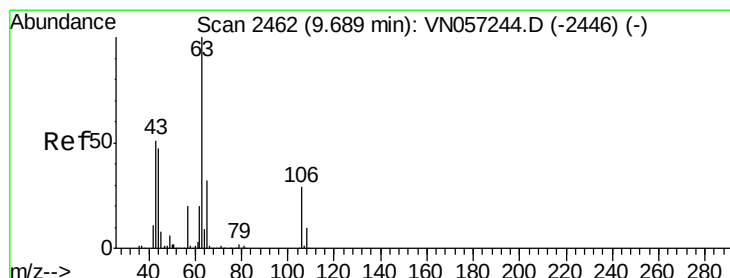
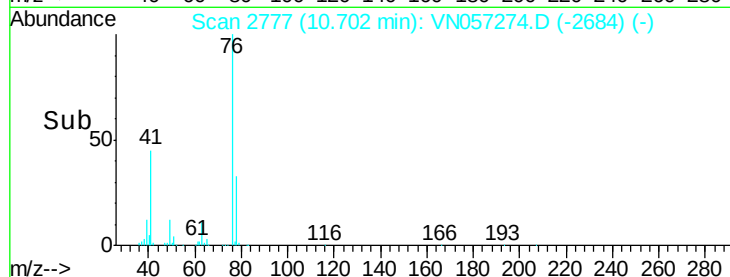
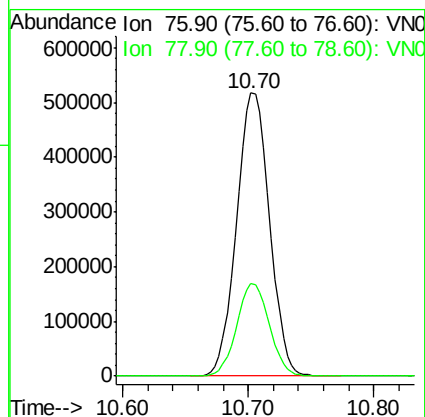
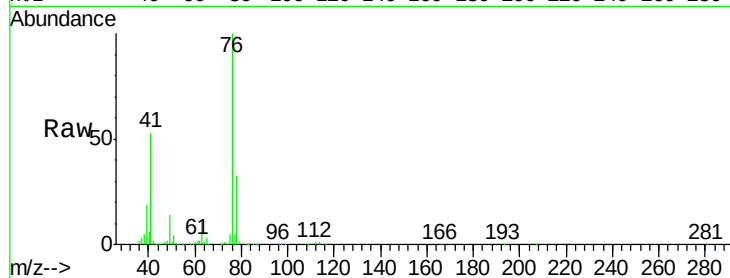
78 32.3 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 233.272 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057274.D

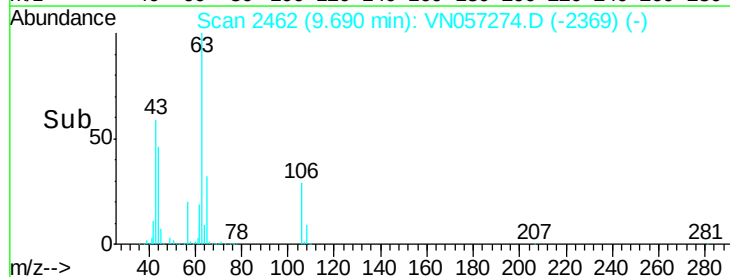
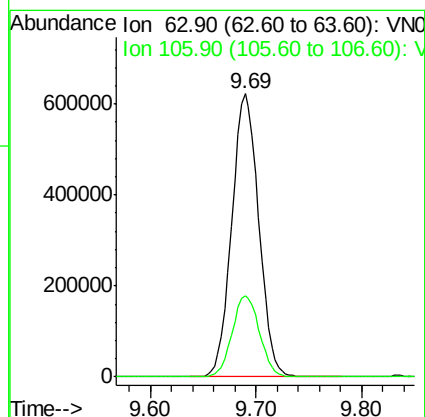
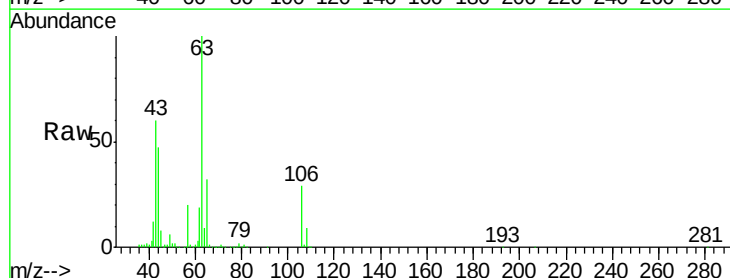
Acq: 14 Aug 2019 2:42

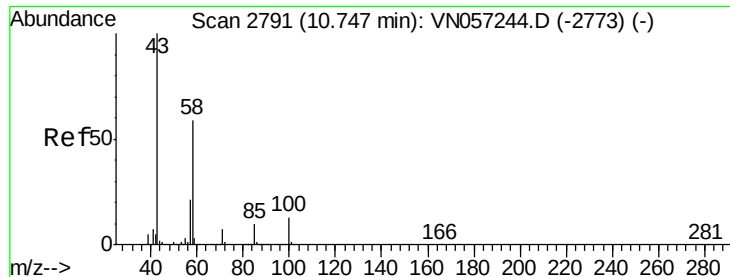
Tgt Ion: 63 Resp: 1099726

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2





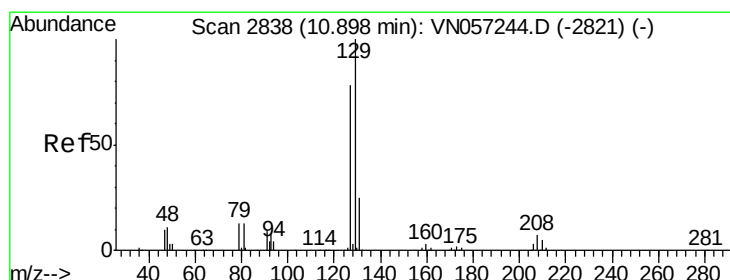
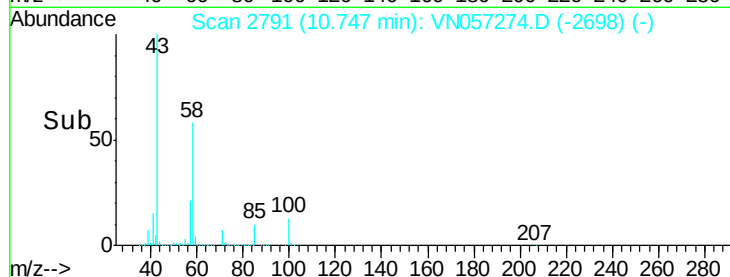
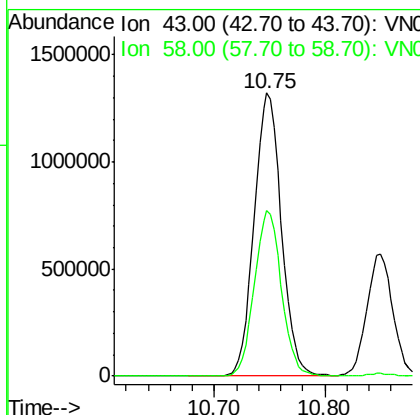
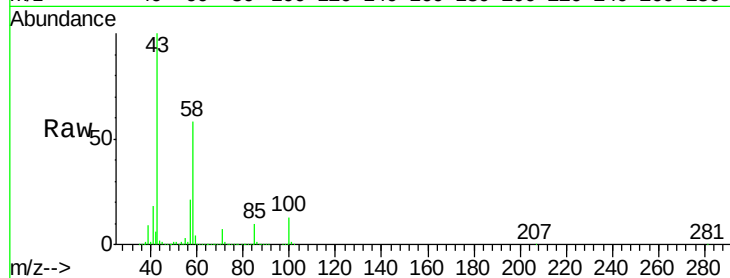
#59
2-Hexanone
Concen: 261.570 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2262262
Ion Ratio Lower Upper
43 100
58 58.2 29.1 87.4

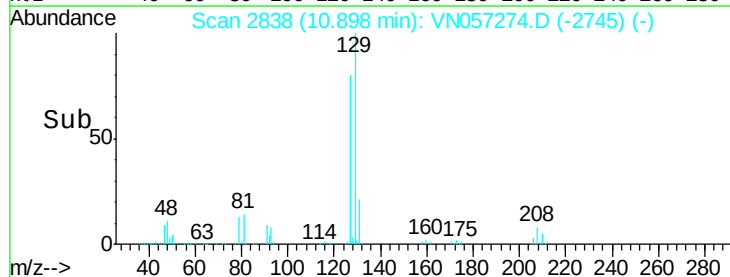
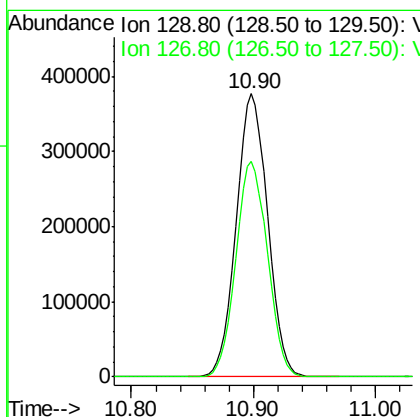
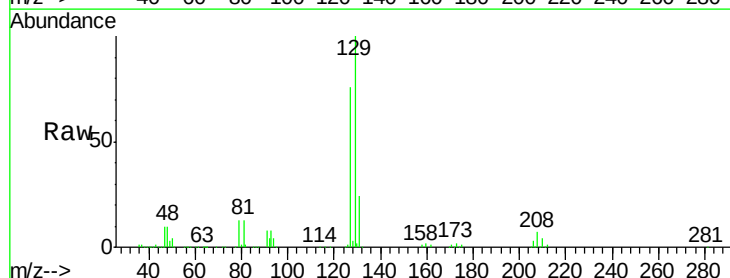
Manual Integrations
APPROVED

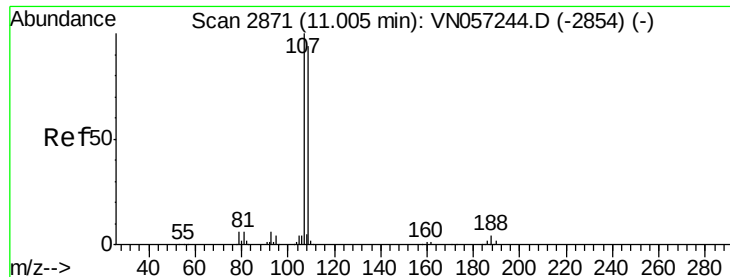
MMDadoda
8/16/2019 8:58:27 AM



#60
Dibromochloromethane
Concen: 51.625 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion: 129 Resp: 669765
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





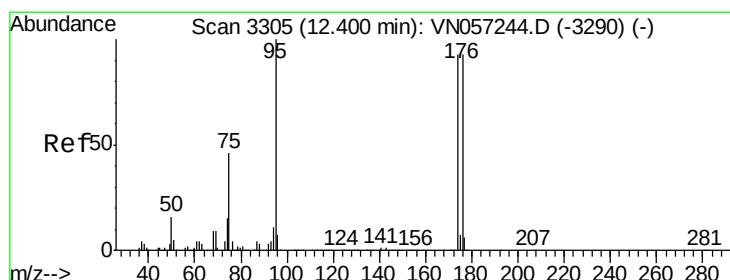
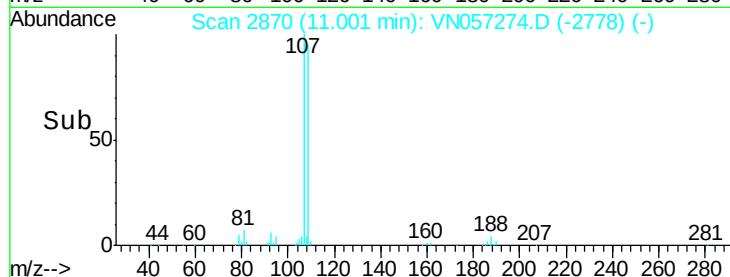
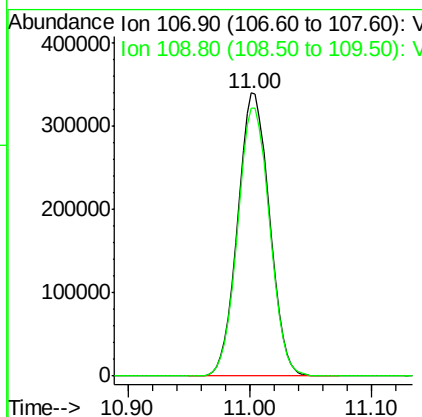
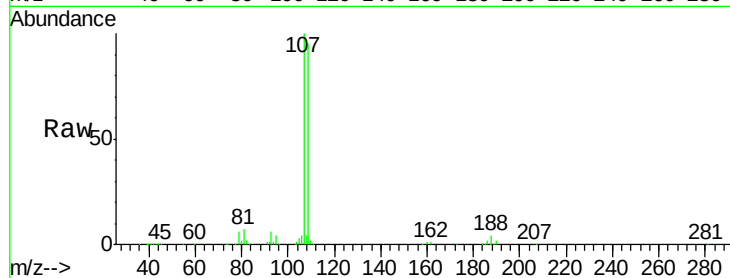
#61
 1,2-Dibromoethane
 Concen: 50.927 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.7	113.5

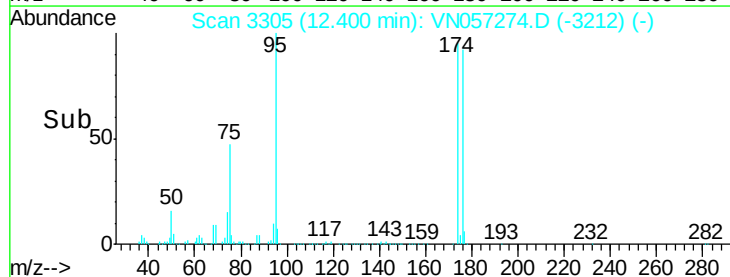
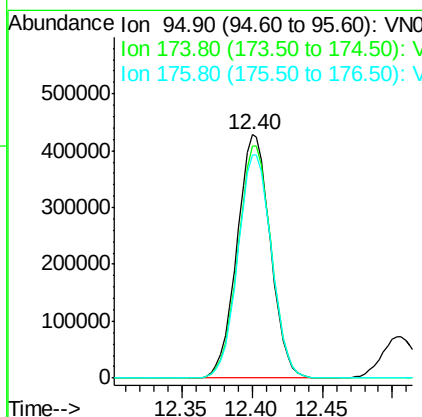
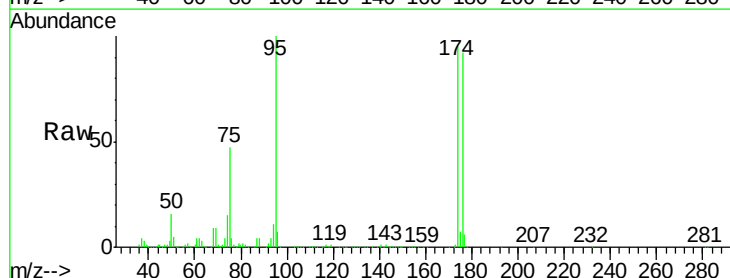
Manual Integrations
 APPROVED

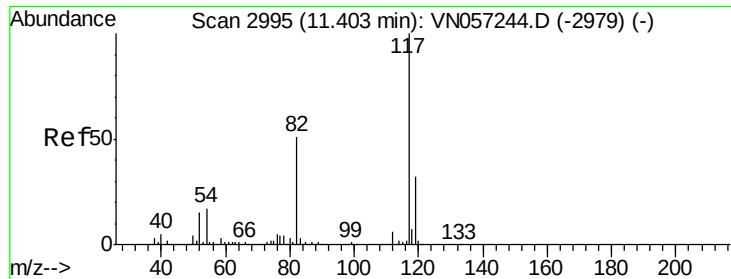
MMDadoda
 8/16/2019 8:58:27 AM



#62
 4-Bromofluorobenzene
 Concen: 49.526 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.3	0.0	187.6
176	92.8	0.0	185.8





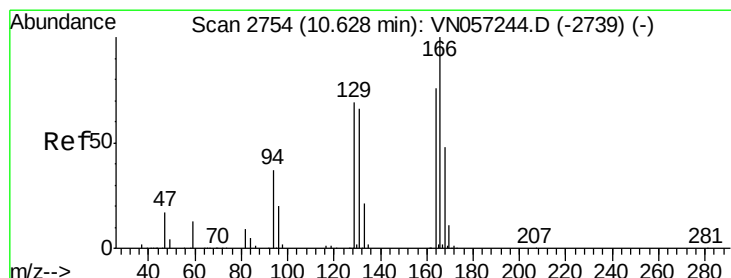
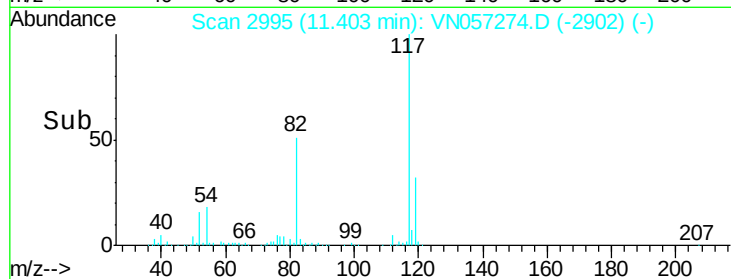
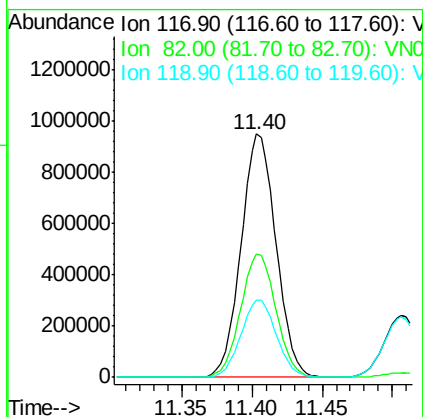
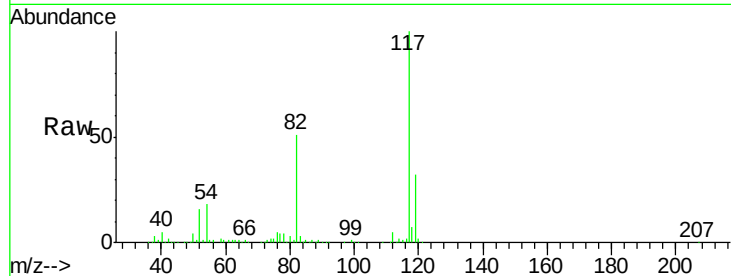
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	40.9	61.3
119	31.6	25.4	38.2

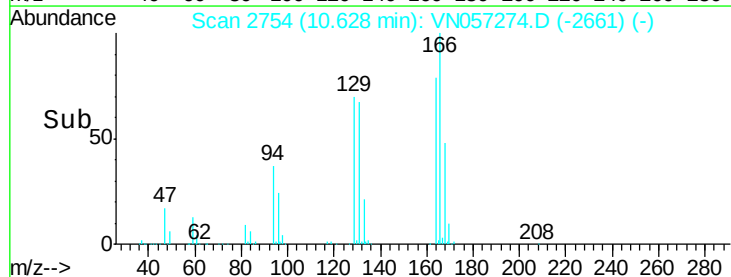
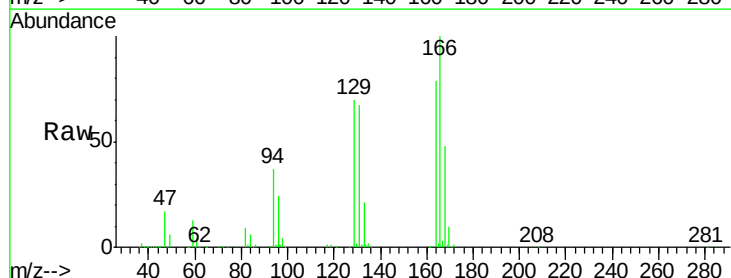
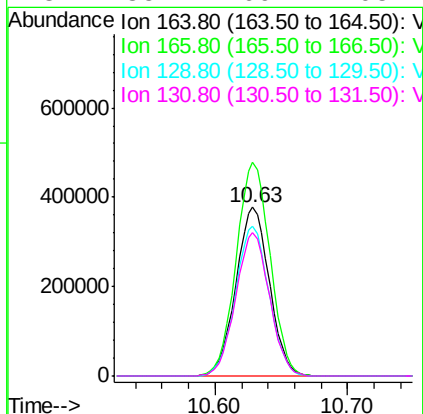
Manual Integrations
APPROVED

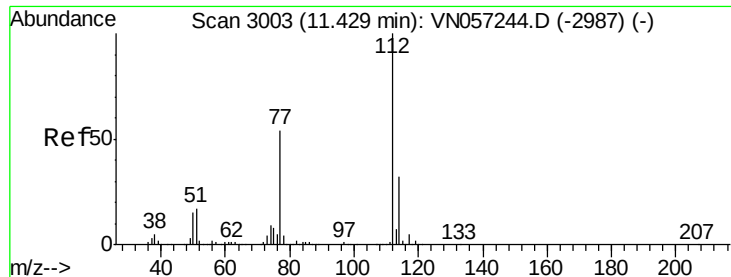
MMDadoda
8/16/2019 8:58:27 AM



#64
Tetrachloroethene
Concen: 45.309 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	104.9	157.3
129	88.5	71.9	107.9
131	85.2	69.1	103.7





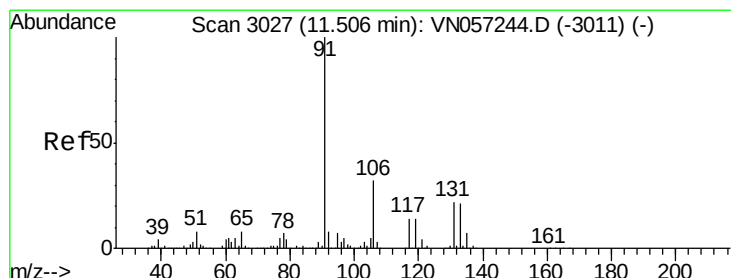
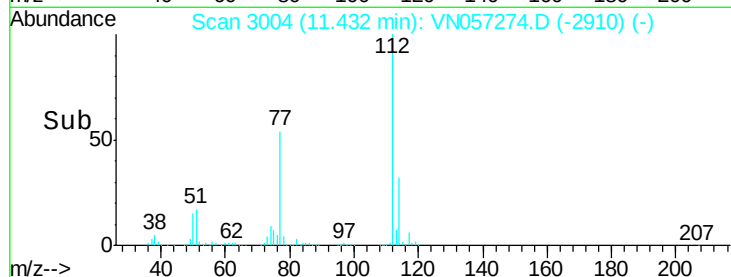
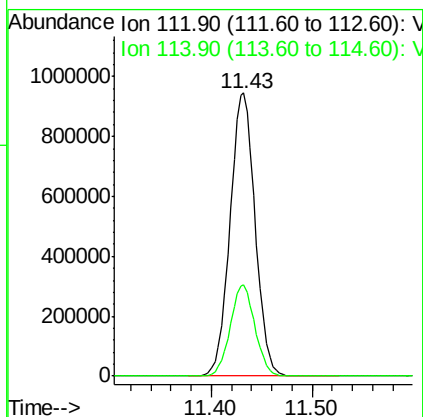
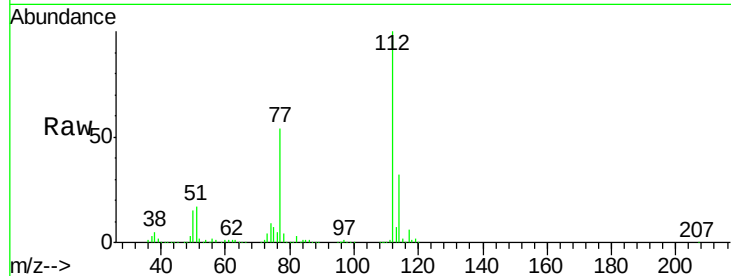
#65
Chlorobenzene
Concen: 48.386 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1632758
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

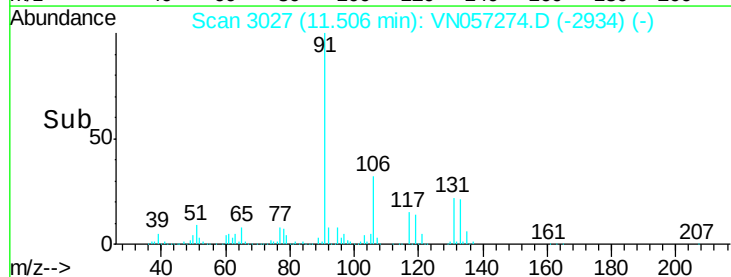
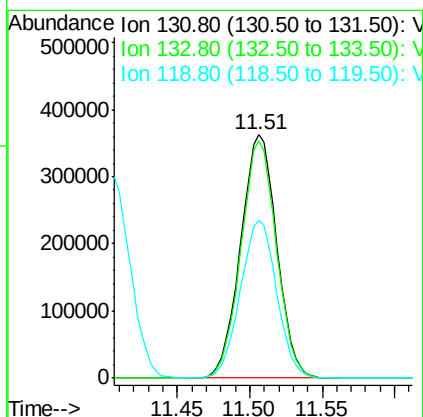
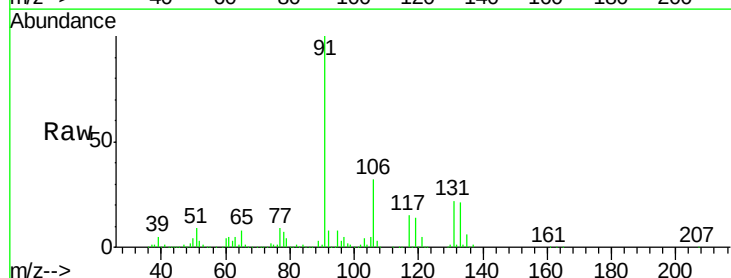
Manual Integrations
APPROVED

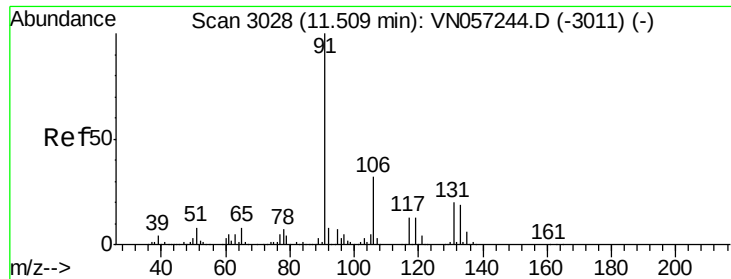
MMDadoda
8/16/2019 8:58:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.302 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion:131 Resp: 629415
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.7
119 65.0 32.3 96.8





#67

Ethyl Benzene

Concen: 48.885 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2816103

Ion Ratio Lower Upper

91 100

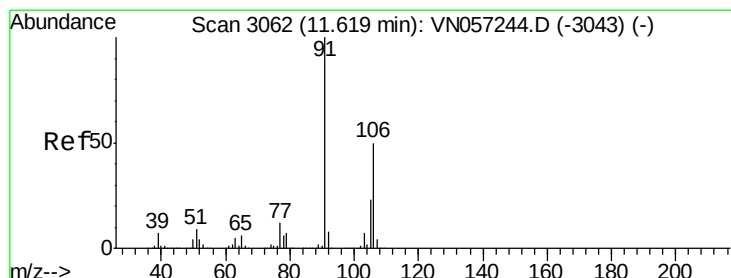
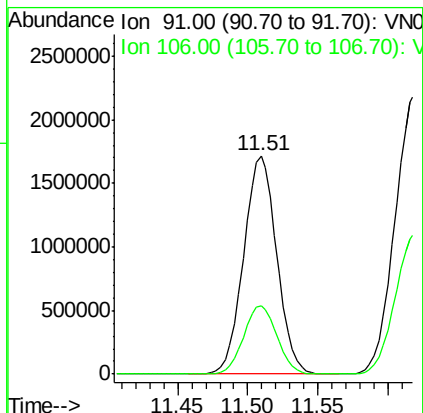
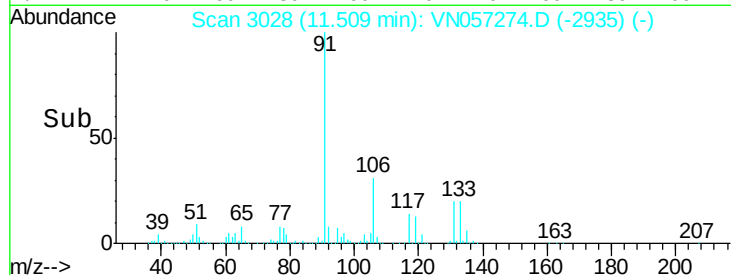
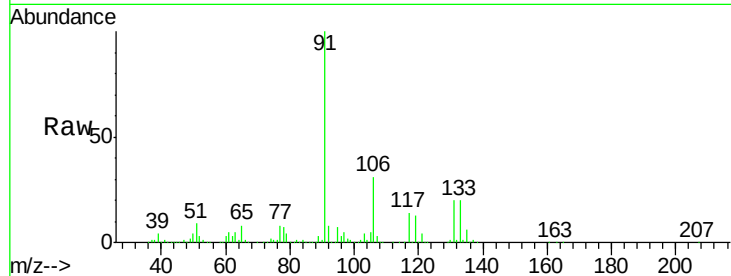
106 31.3 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:27 AM



#68

m/p-Xylenes

Concen: 99.323 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057274.D

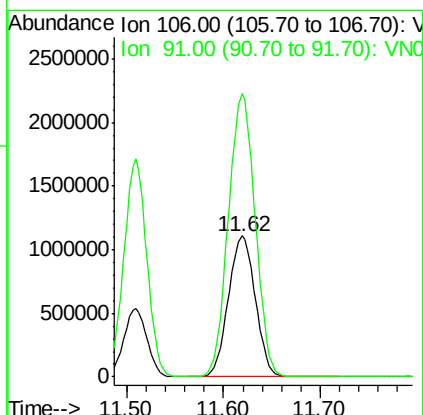
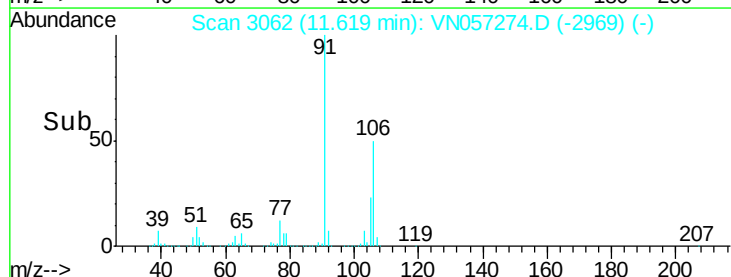
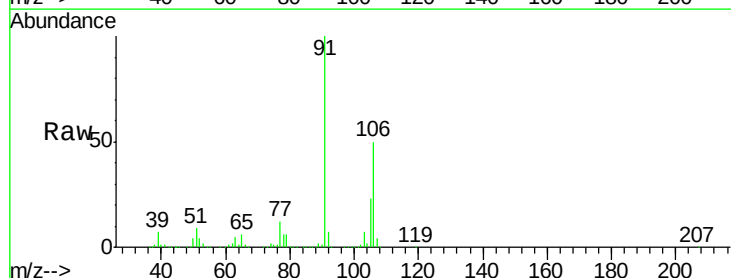
Acq: 14 Aug 2019 2:42

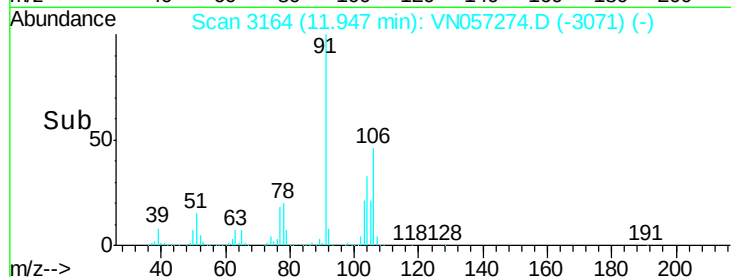
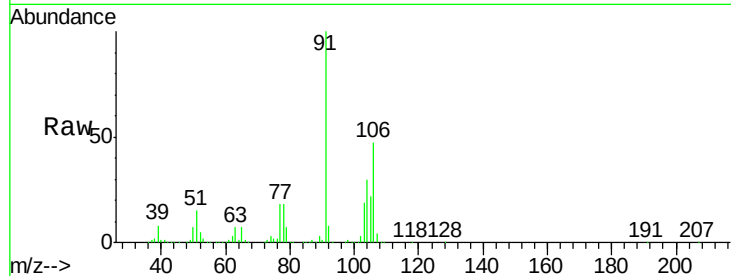
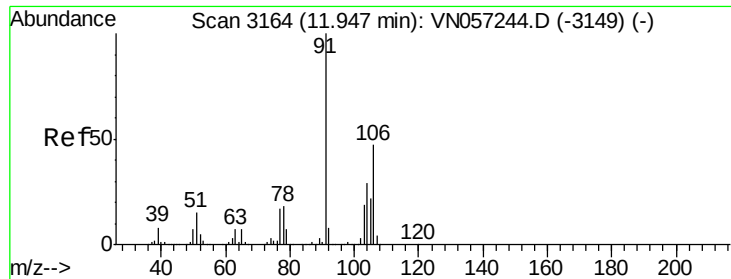
Tgt Ion: 106 Resp: 2134808

Ion Ratio Lower Upper

106 100

91 200.5 161.4 242.0





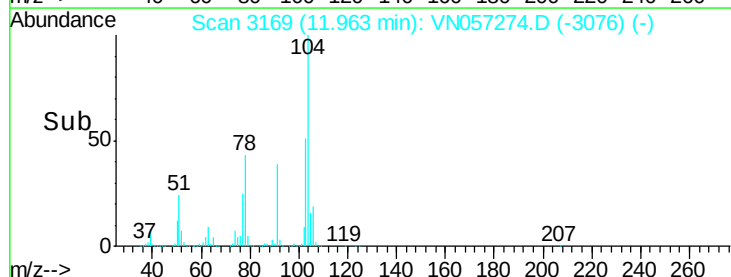
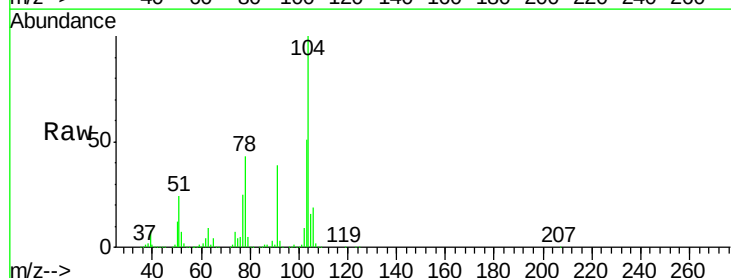
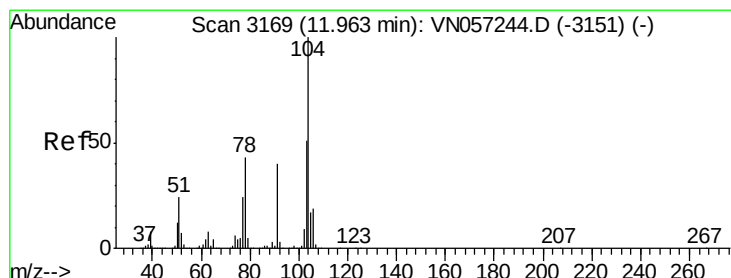
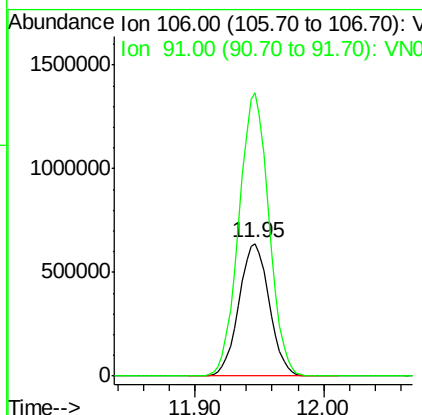
#69
o-Xylene
Concen: 49.727 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tot Ion:106 Resp: 1046481
Ion Ratio Lower Upper
106 100
91 211.3 106.5 319.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

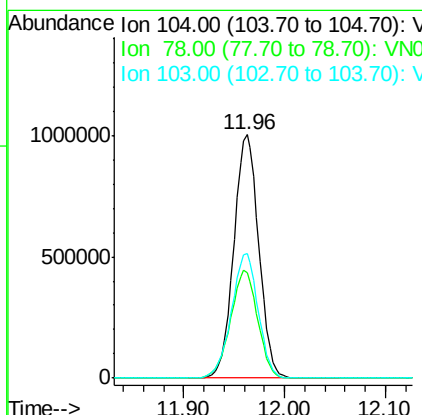
Manual Integrations
APPROVED

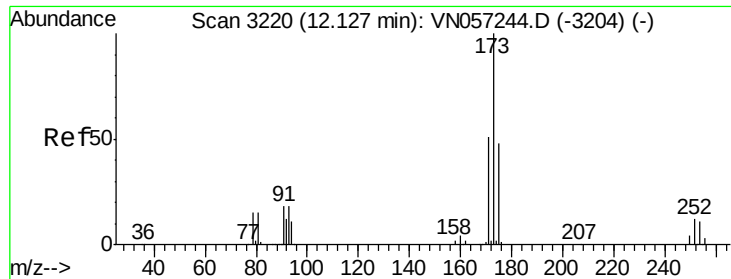
MMDadoda
8/16/2019 8:58:27 AM



#70
Styrene
Concen: 52.846 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion:104 Resp: 1721856
Ion Ratio Lower Upper
104 100
78 48.2 38.6 57.8
103 54.9 43.9 65.9





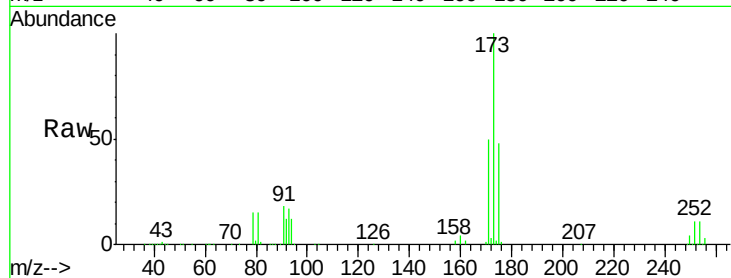
#71
Bromoform
Concen: 51.983 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

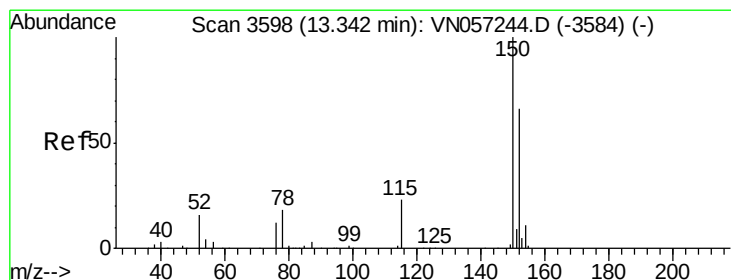
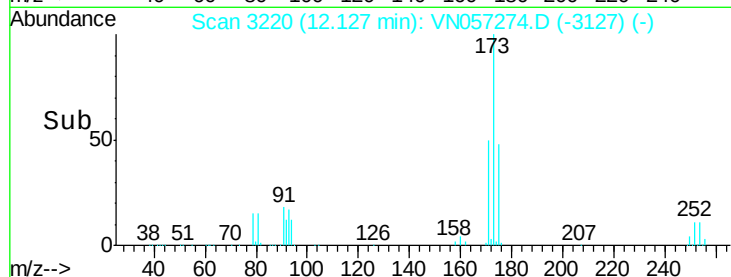
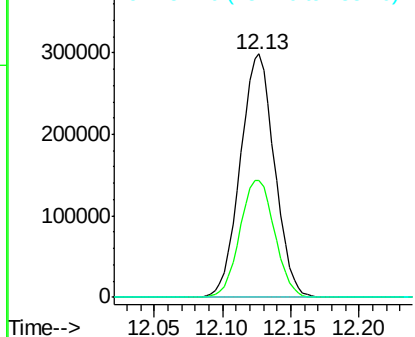
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.1	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM

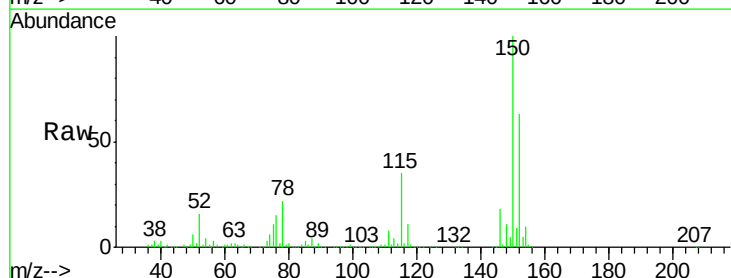


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

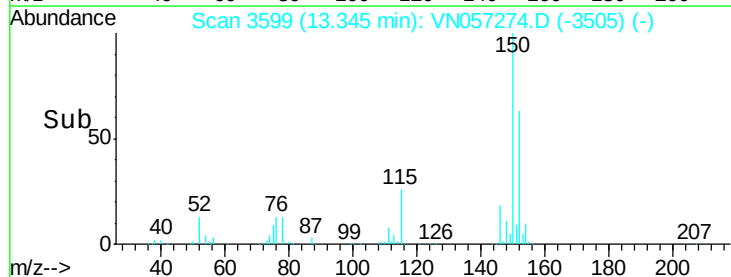
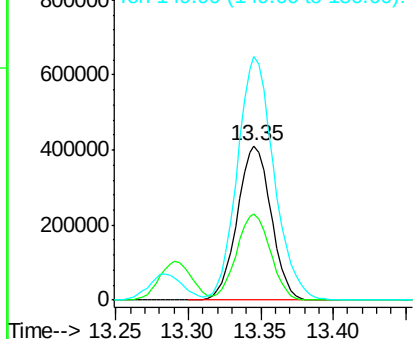


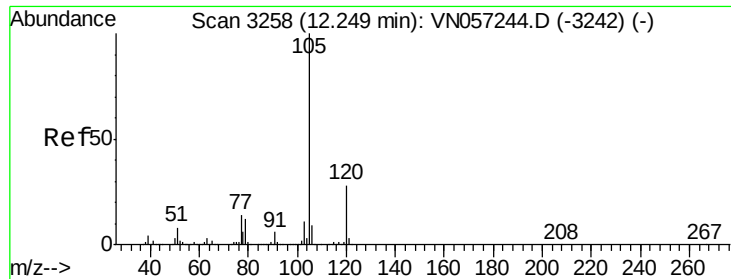
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.6	82.8
150	171.8	0.0	348.4



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





#73

Isopropylbenzene

Concen: 54.594 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2789528

Ion Ratio Lower Upper

105 100

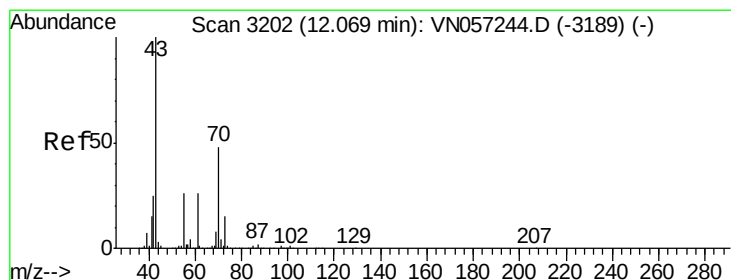
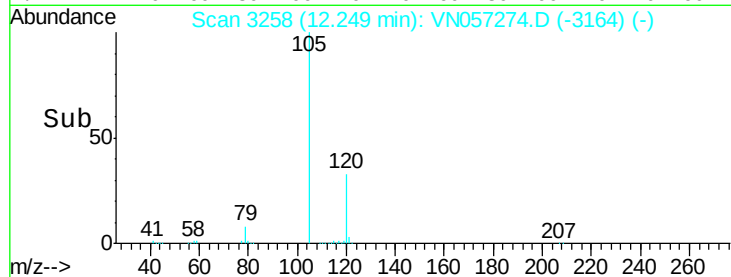
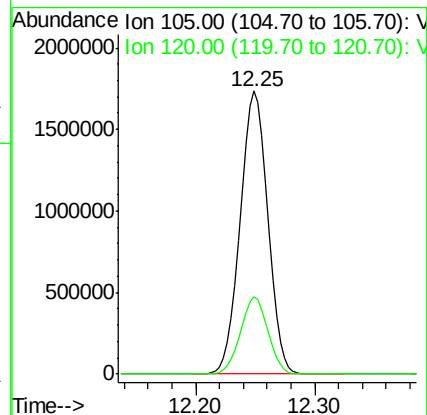
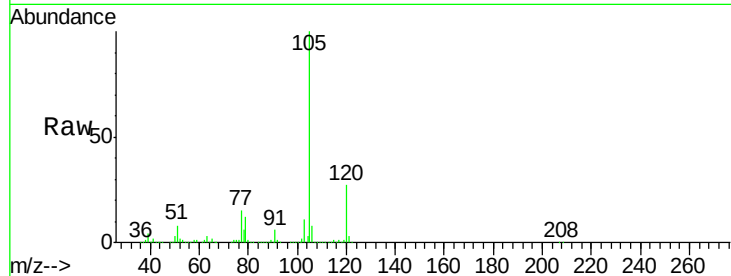
120 27.2 13.8 41.3

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:58:27 AM



#74

N-ethyl acetate

Concen: 54.217 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Tgt Ion: 43 Resp: 845946

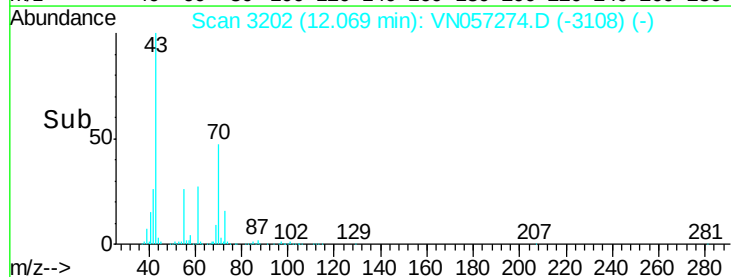
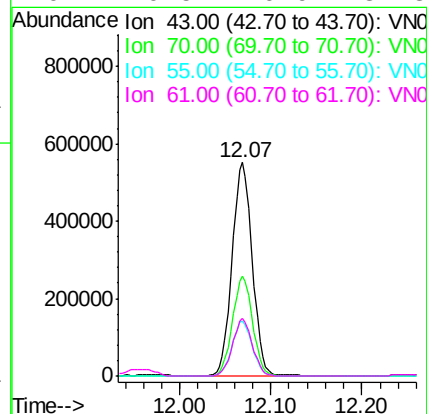
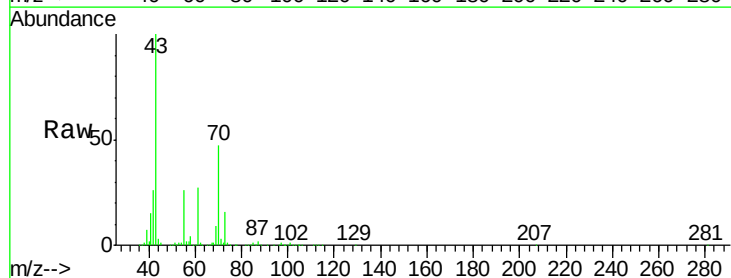
Ion Ratio Lower Upper

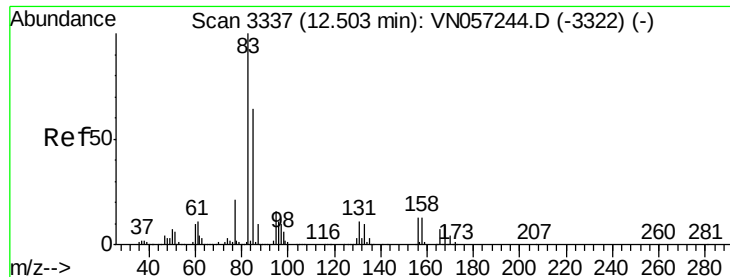
43 100

70 46.5 37.4 56.2

55 25.8 21.0 31.4

61 26.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 56.818 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 785879

Ion Ratio Lower Upper

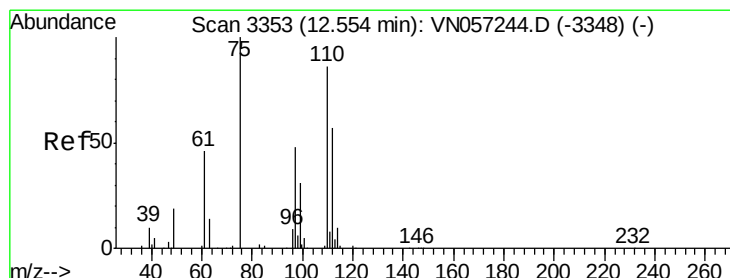
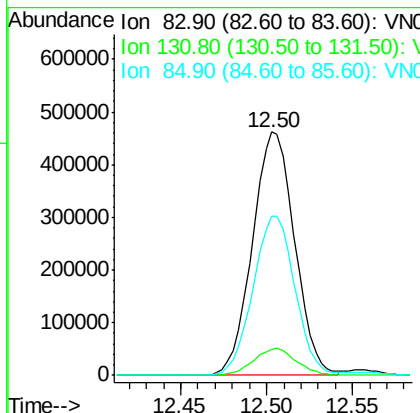
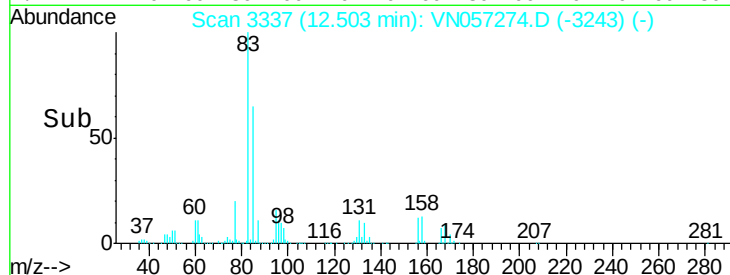
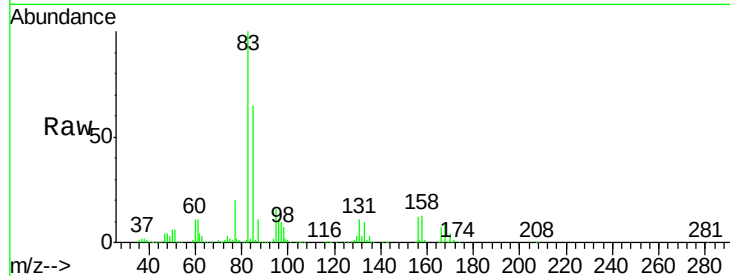
83 100

131 11.2 5.6 16.8

85 64.9 32.3 96.8

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM



#76

1,2,3-Trichloropropane

Concen: 56.241 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057274.D

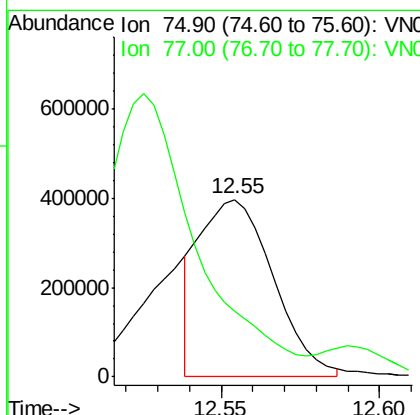
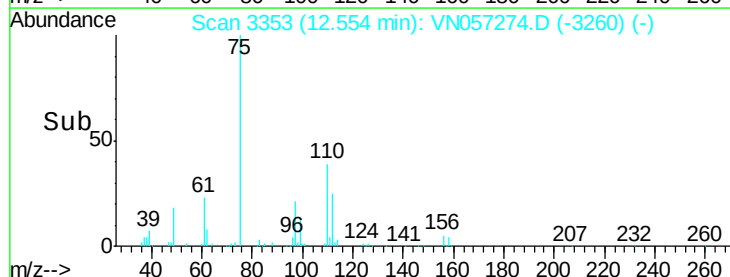
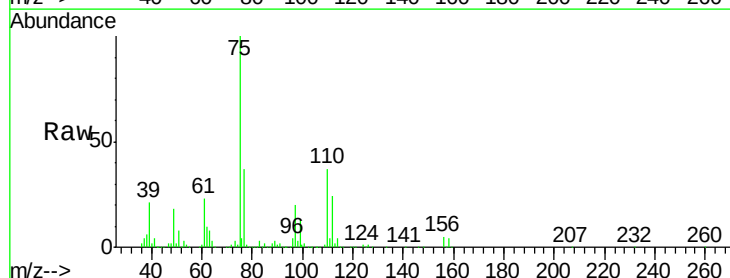
Acq: 14 Aug 2019 2:42

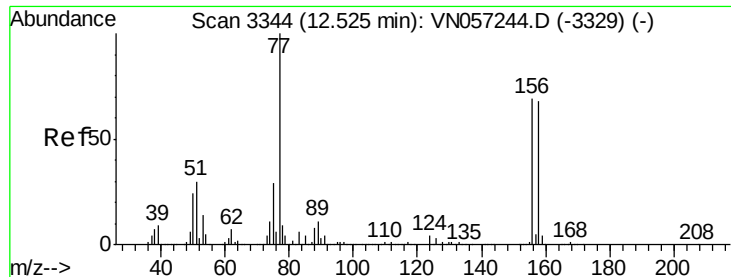
Tgt Ion: 75 Resp: 650008

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.250 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

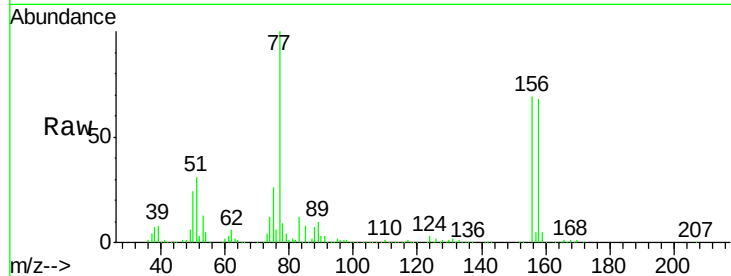
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	748282
Ion Ratio	Lower	Upper	
156	100		
77	174.5	88.0	264.1
158	97.4	49.4	148.0

Manual Integrations
APPROVED

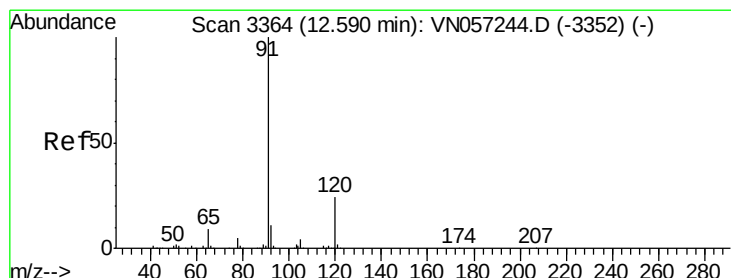
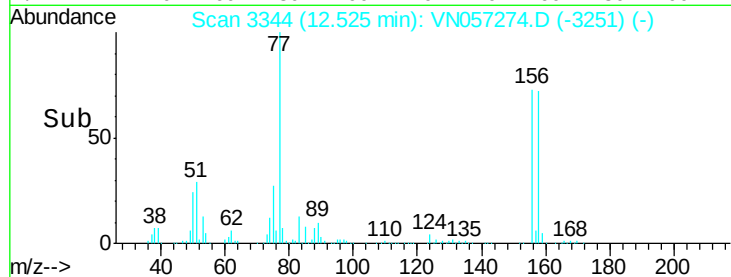
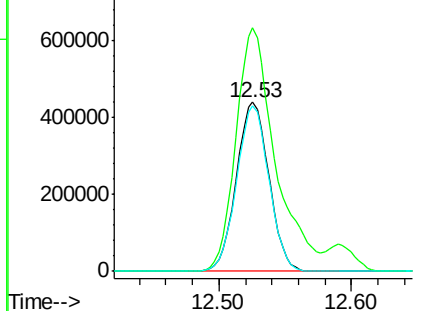
MMDadoda
8/16/2019 8:58:27 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.955 ug/l

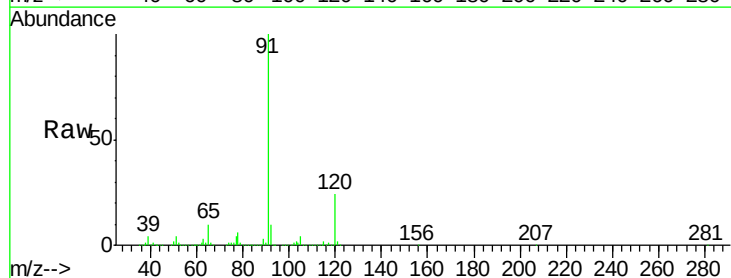
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057274.D

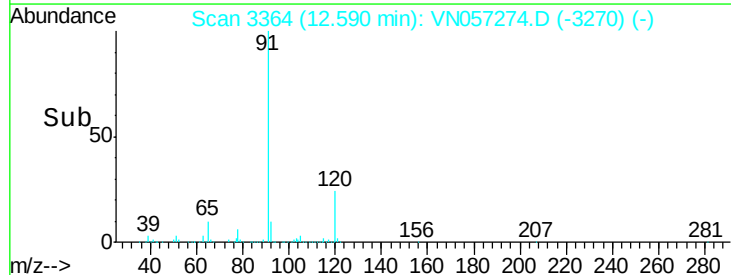
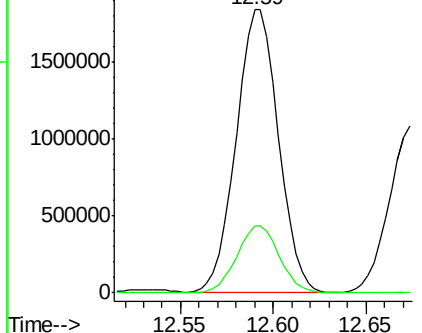
Acq: 14 Aug 2019 2:42

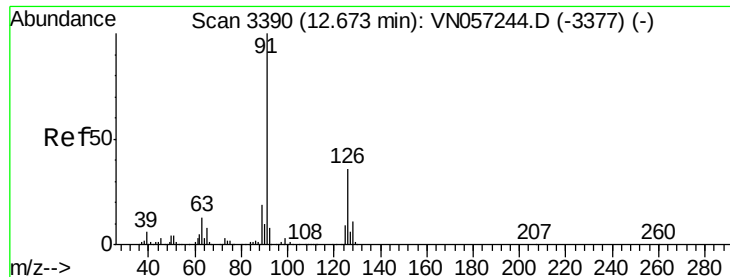
Tgt Ion:	91	Resp:	2900287
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.819 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1807207

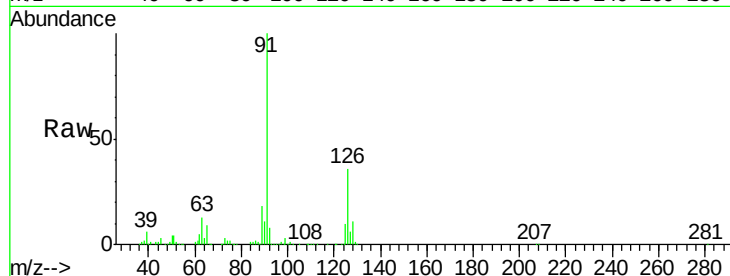
Ion Ratio Lower Upper

91 100

126 36.4 18.0 54.0

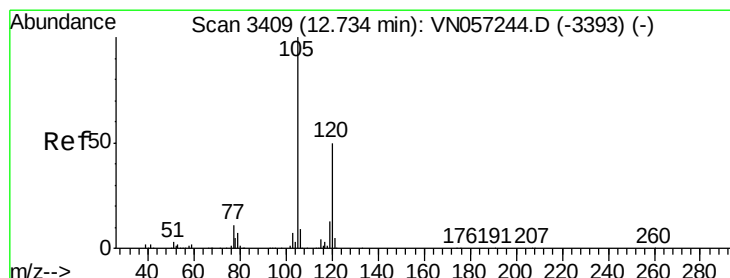
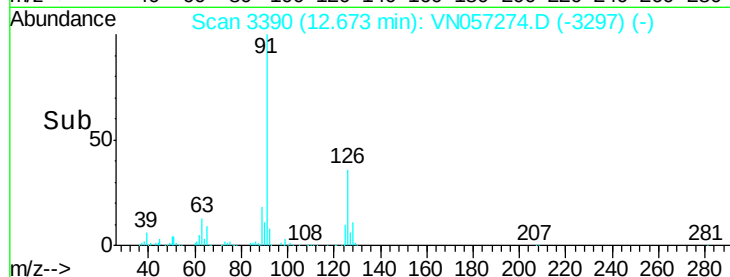
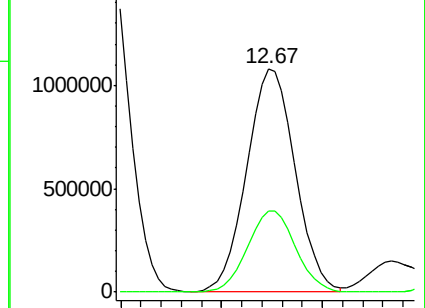
Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057274.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN057274.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.806 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057274.D

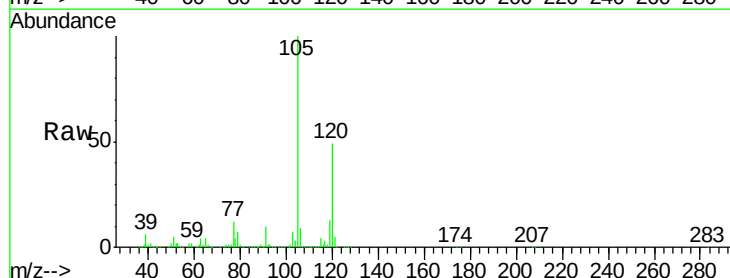
Acq: 14 Aug 2019 2:42

Tgt Ion: 105 Resp: 2334206

Ion Ratio Lower Upper

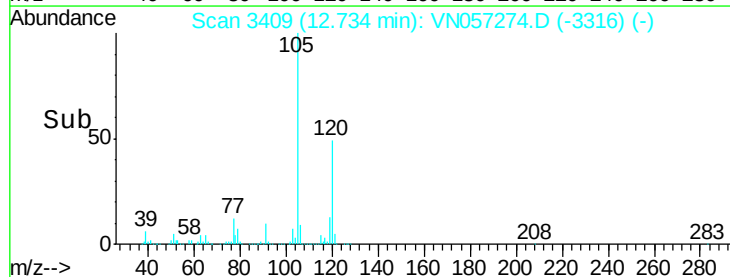
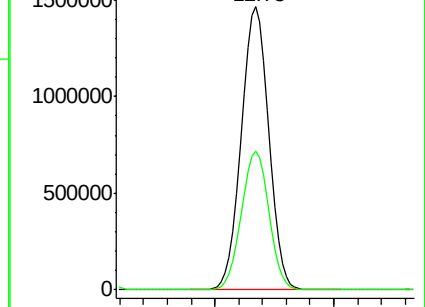
105 100

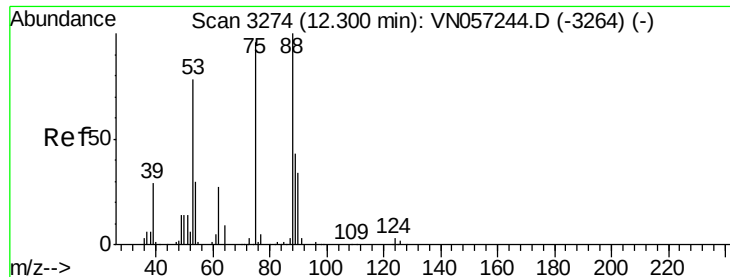
120 49.5 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN057274.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN057274.D (-3316) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.739 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

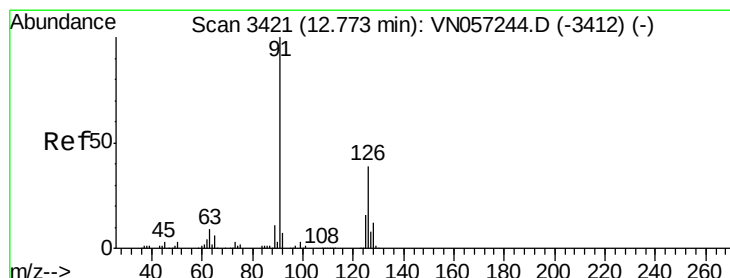
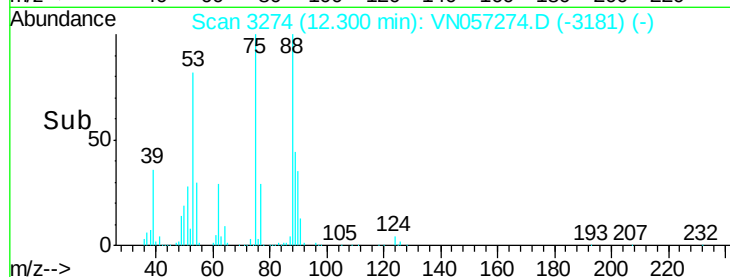
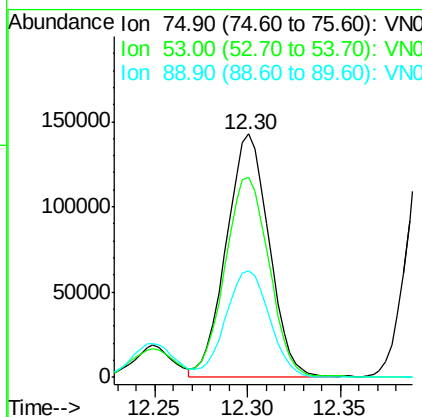
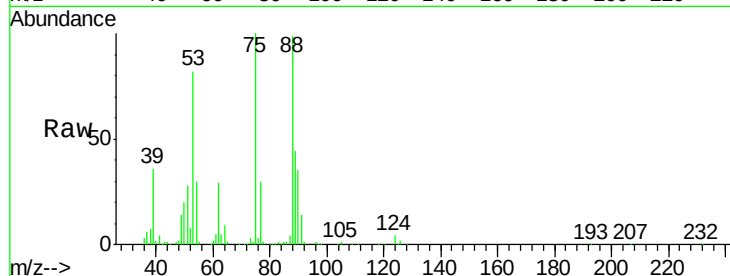
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	226417
Ion Ratio	Lower	Upper	
75	100		
53	84.7	65.8	98.6
89	45.4	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM



#82

4-Chlorotoluene

Concen: 46.742 ug/l

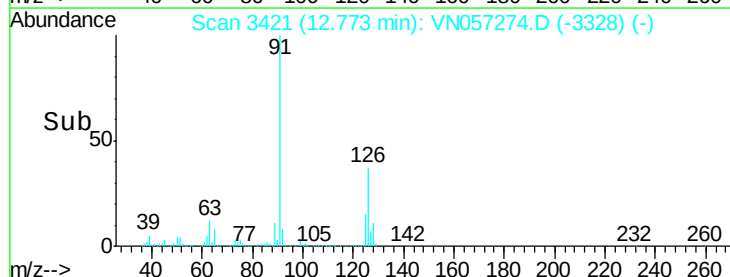
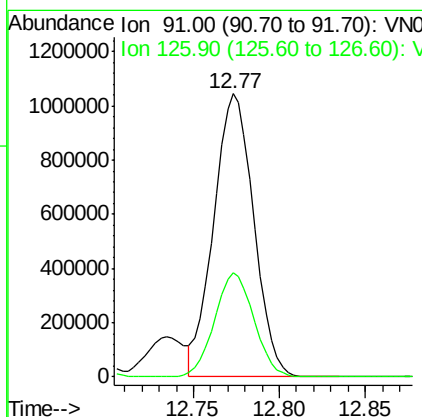
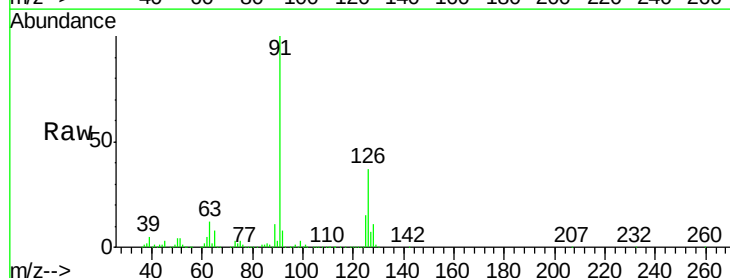
RT: 12.77 min Scan# 3421

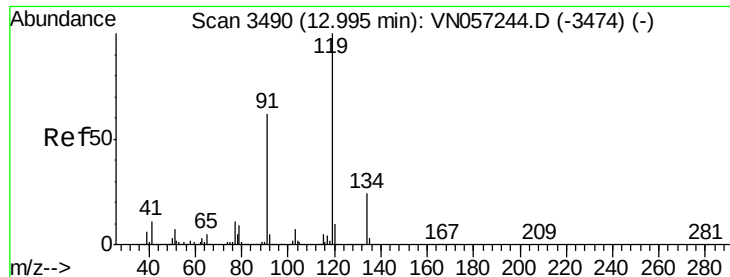
Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Tgt Ion:	91	Resp:	1694987
Ion Ratio	Lower	Upper	
91	100		
126	36.1	17.9	53.7





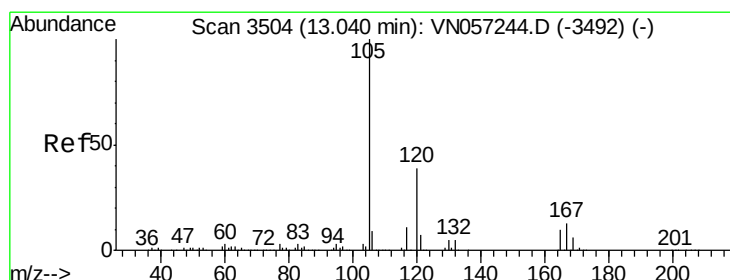
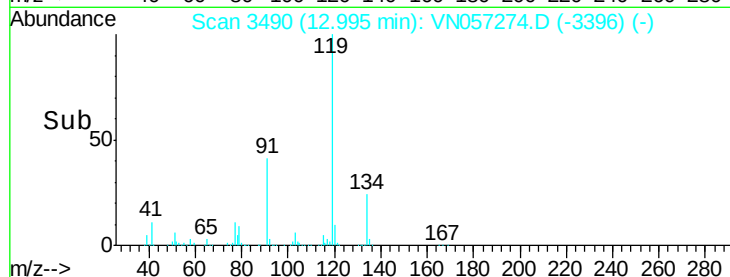
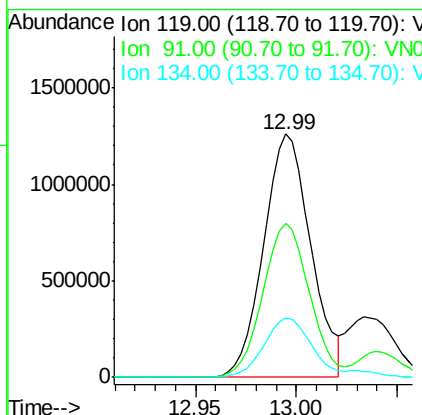
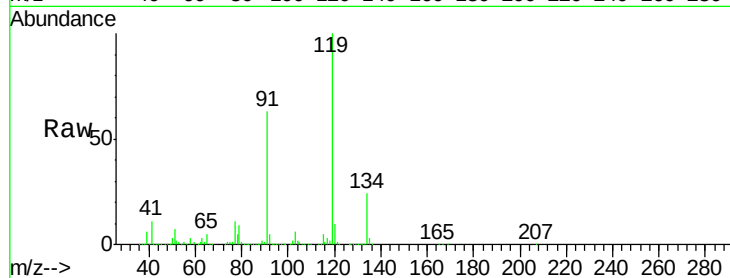
#83
 tert-Butylbenzene
 Concen: 53.398 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	30.8	92.3
134	26.3	12.9	38.7

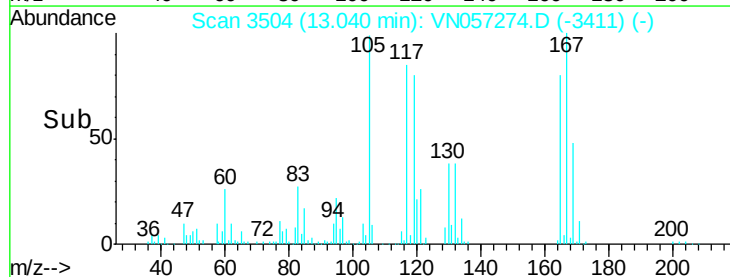
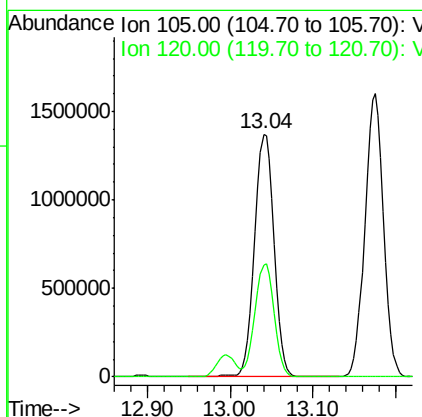
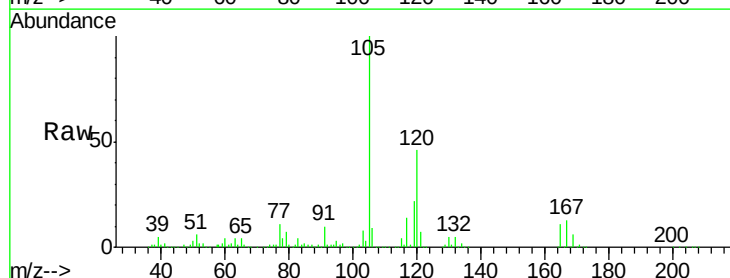
Manual Integrations
 APPROVED

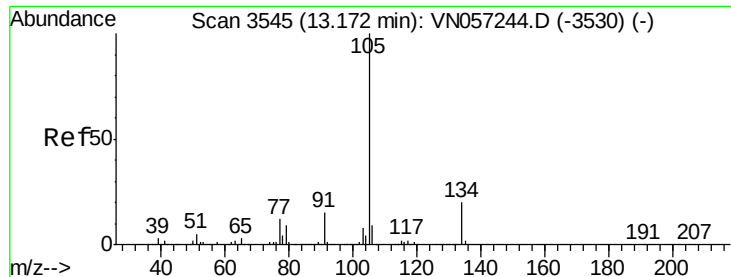
MMDadoda
 8/16/2019 8:58:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.276 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.2	69.5





#85

sec-Butylbenzene

Concen: 51.725 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2532294

Ion Ratio Lower Upper

105 100

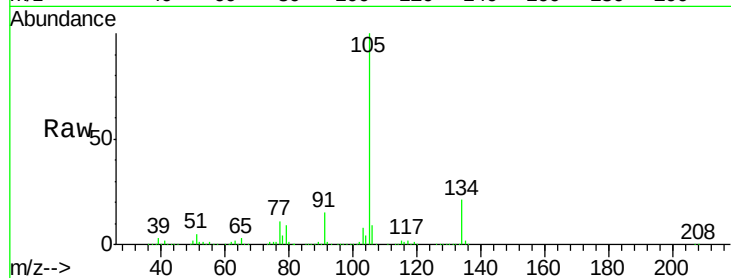
134 21.0 10.4 31.2

Manual Integrations

APPROVED

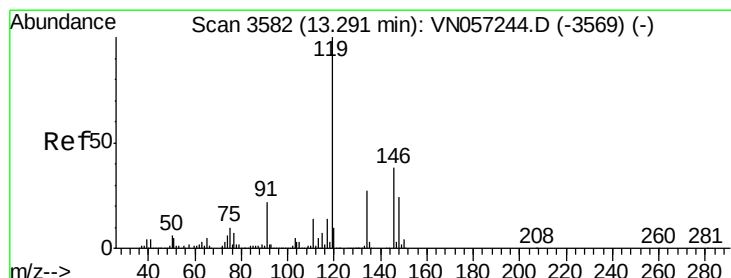
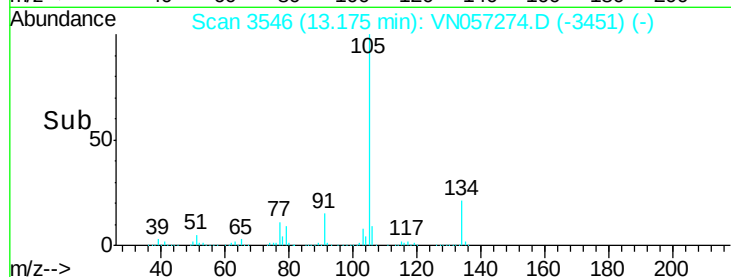
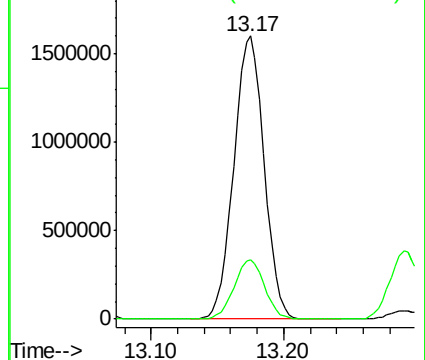
MMDadoda

8/16/2019 8:58:27 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.426 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

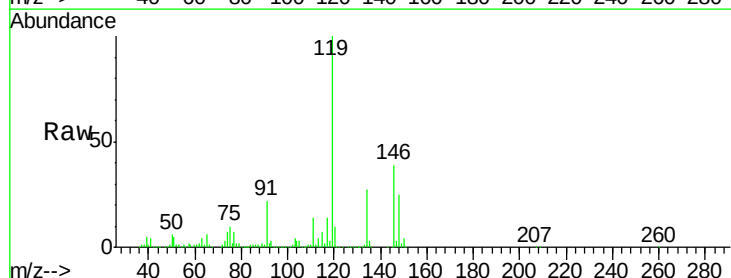
Tgt Ion:119 Resp: 2220992

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

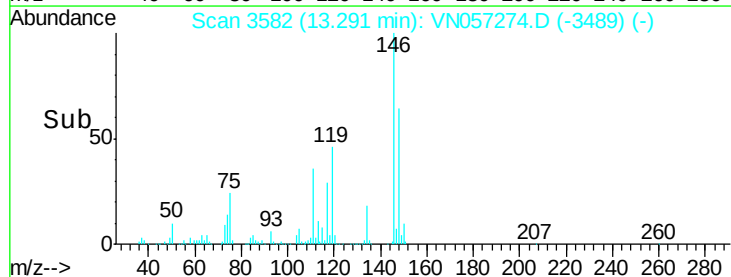
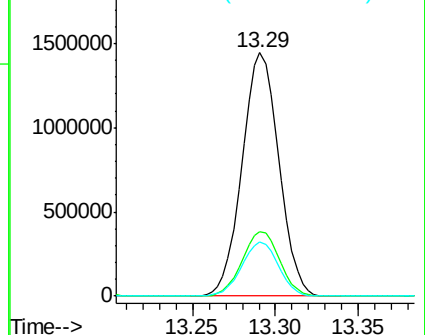
91 22.2 11.1 33.3

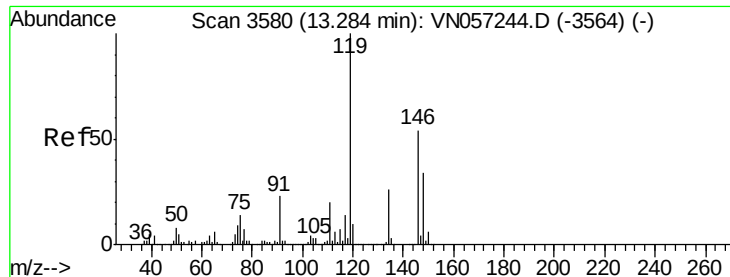


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87
 1,3-Dichlorobenzene
 Concen: 48.016 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

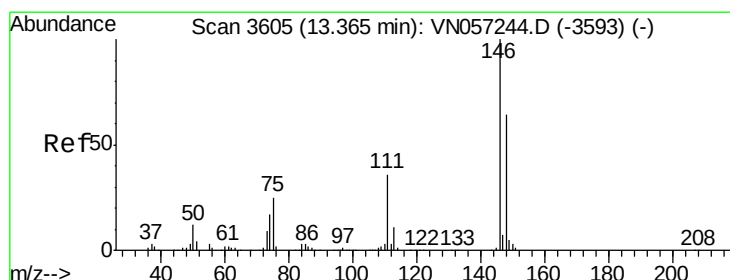
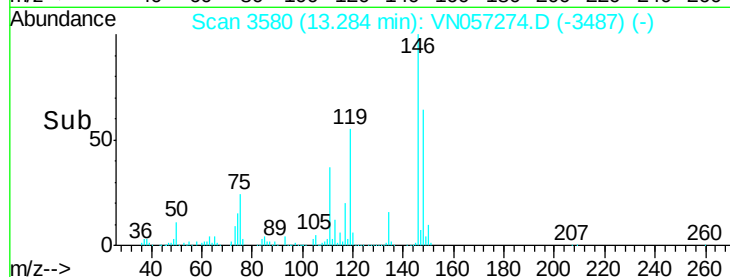
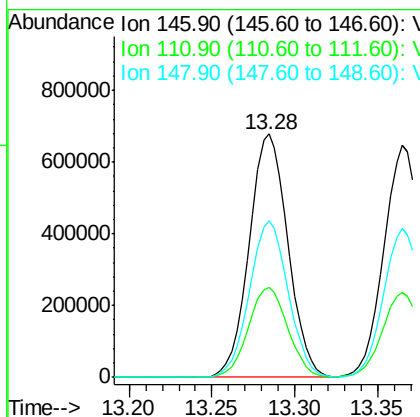
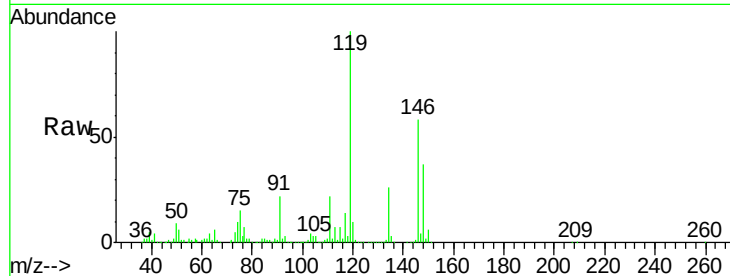
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1105999

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.3	32.1	96.5

Manual Integrations
 APPROVED

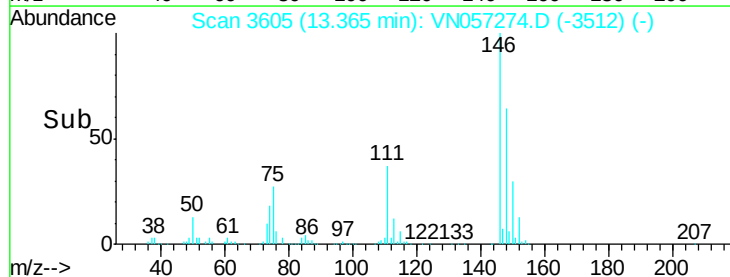
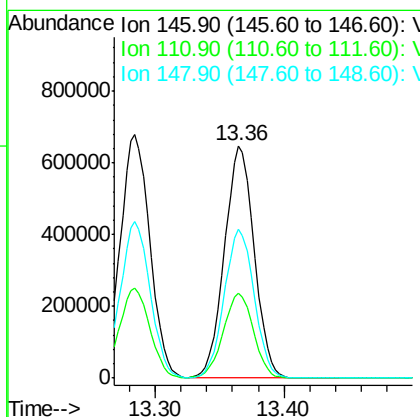
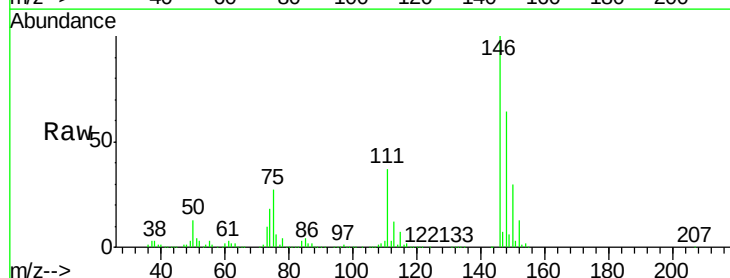
MMDadoda
 8/16/2019 8:58:27 AM

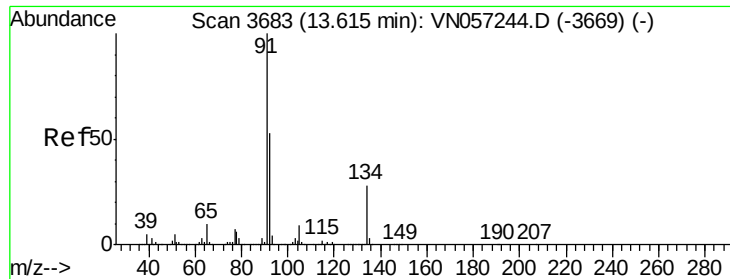


#88
 1,4-Dichlorobenzene
 Concen: 46.183 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion:146 Resp: 1034660

Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.8
148	64.5	32.0	96.0





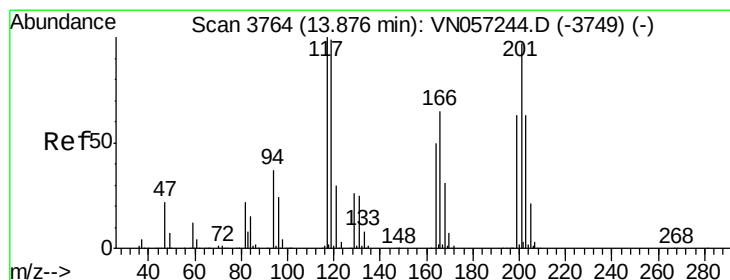
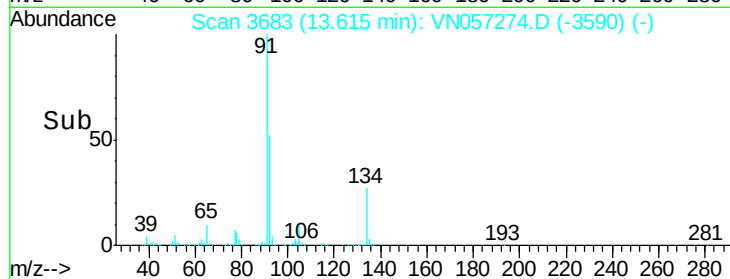
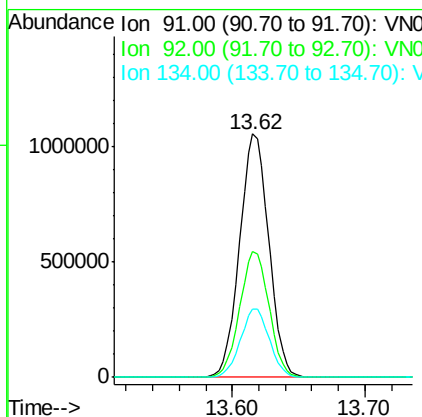
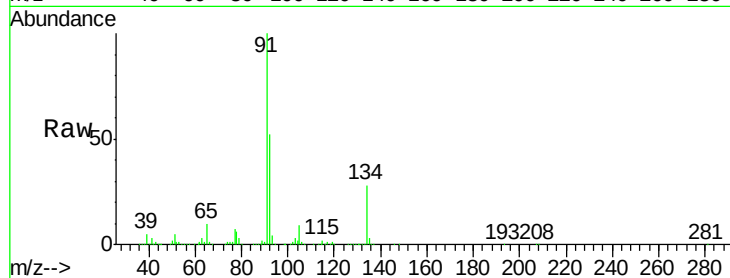
#89
n-Butylbenzene
Concen: 47.020 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	27.8	14.1	42.3

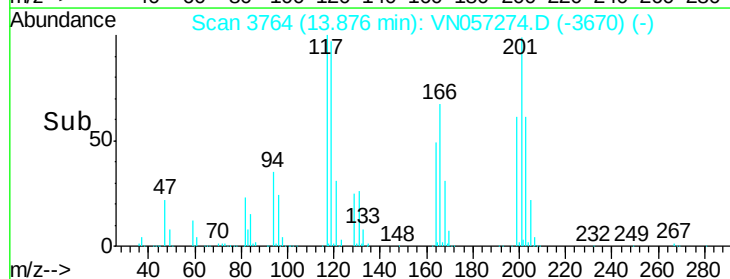
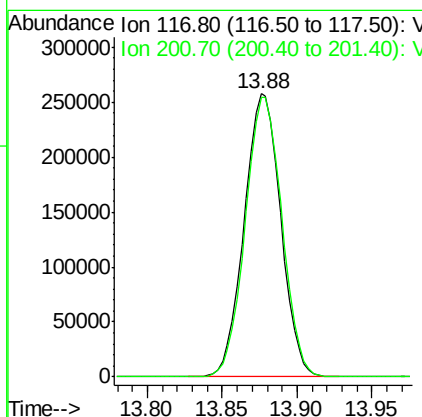
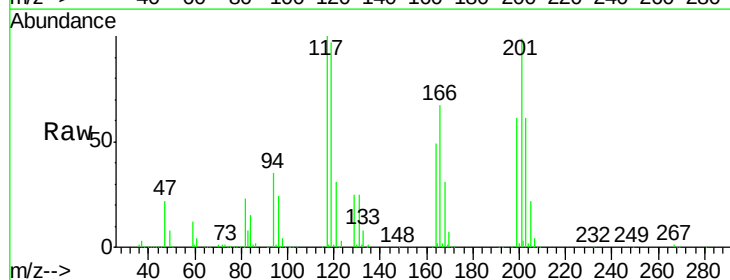
Manual Integrations
APPROVED

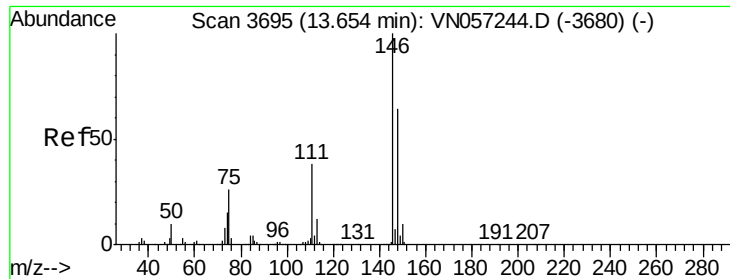
MMDadoda
8/16/2019 8:58:27 AM



#90
Hexachloroethane
Concen: 53.884 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057274.D
Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.1	49.5	148.5





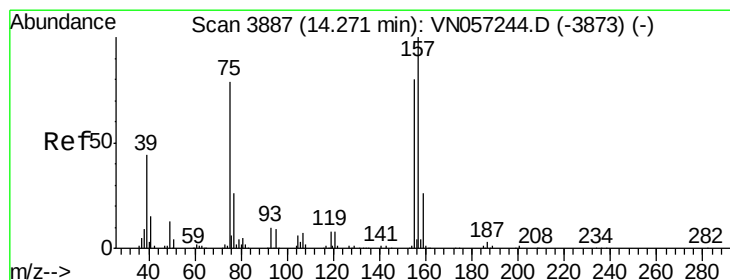
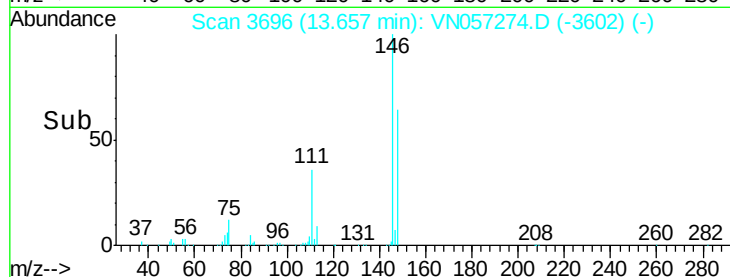
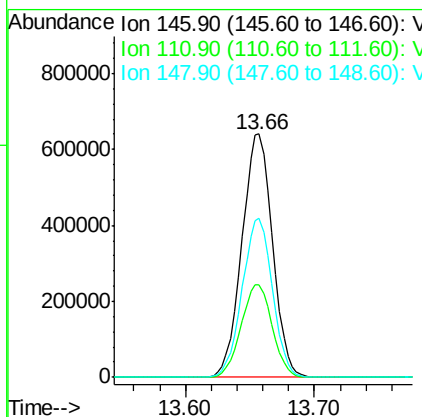
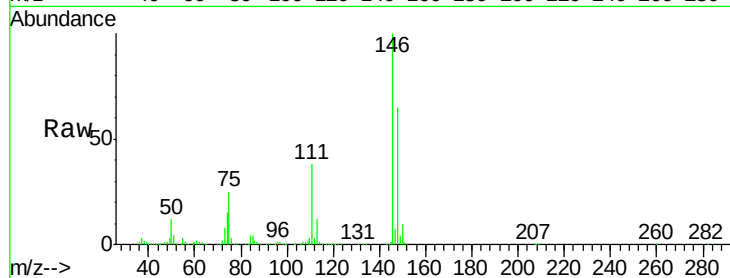
#91
 1,2-Dichlorobenzene
 Concen: 47.055 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	64.7	31.9	95.5

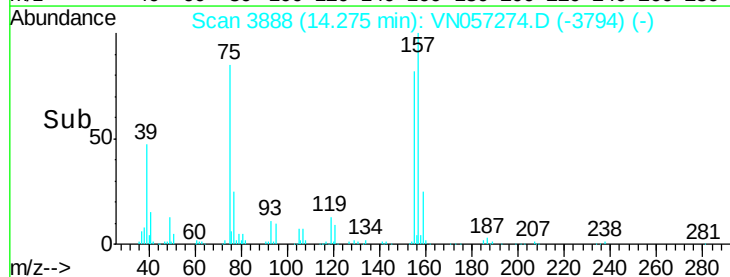
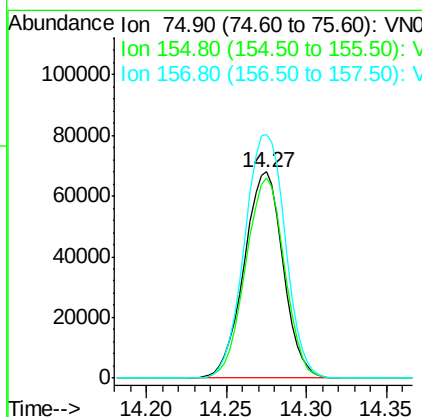
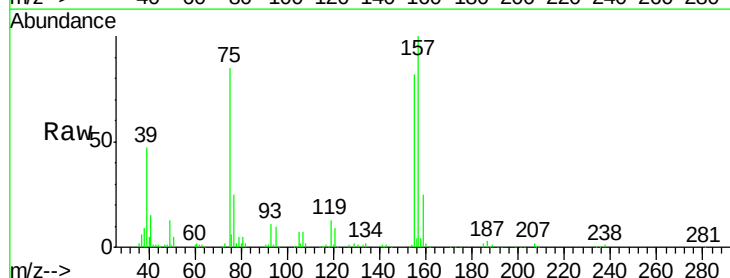
Manual Integrations
 APPROVED

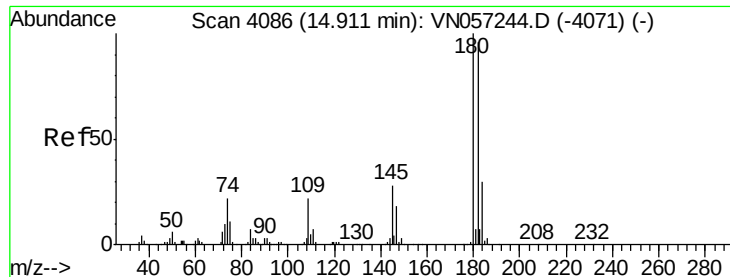
MMDadoda
 8/16/2019 8:58:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.110 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	50.3	151.0
157	123.3	65.3	195.9





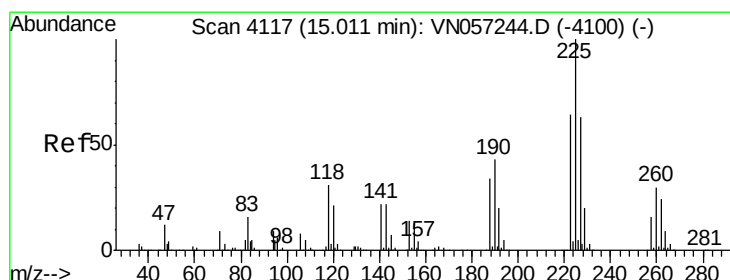
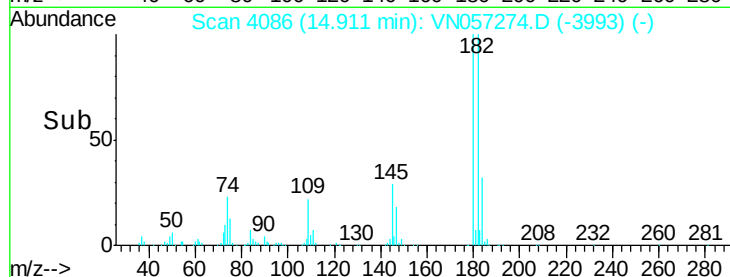
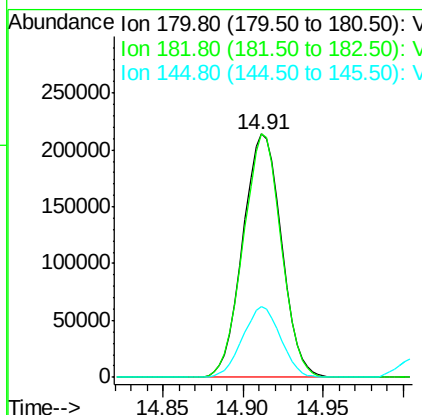
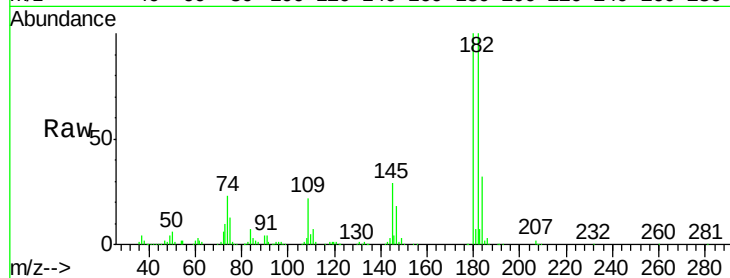
#93
 1,2,4-Trichlorobenzene
 Concen: 41.052 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.1	47.7	143.1	
145	28.6	14.2	42.6	

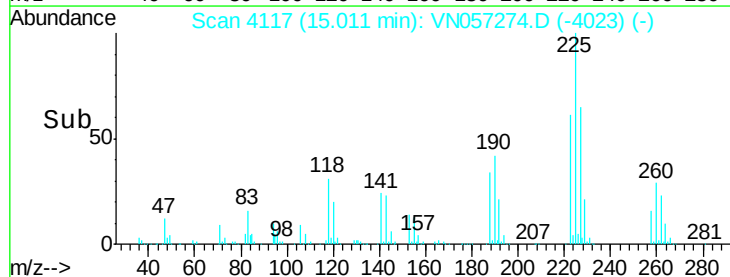
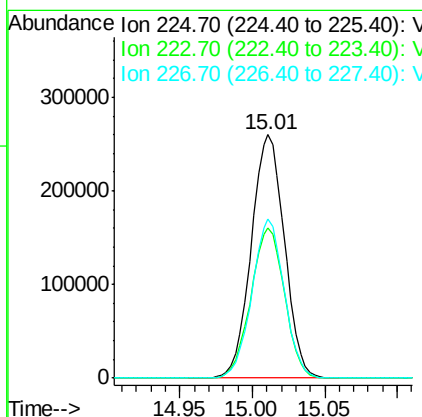
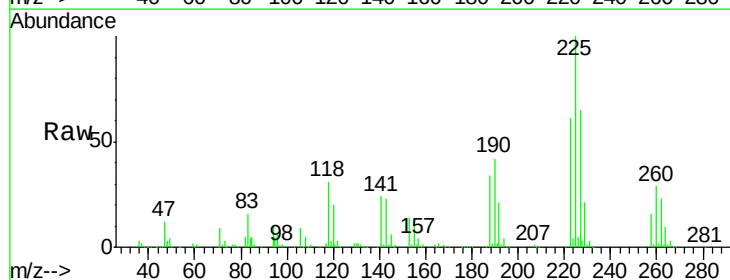
Manual Integrations
 APPROVED

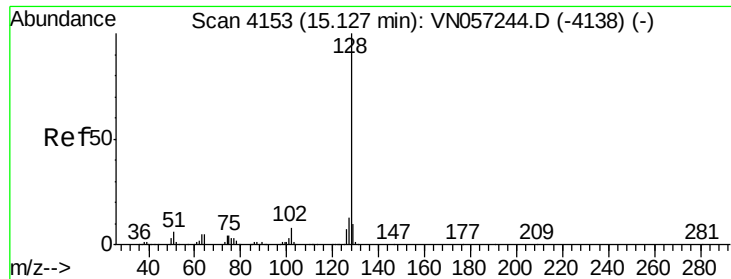
MMDadoda
 8/16/2019 8:58:27 AM



#94
 Hexachlorobutadiene
 Concen: 48.241 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057274.D
 Acq: 14 Aug 2019 2:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.4	94.2	
227	63.5	31.4	94.3	





#95

Naphthalene

Concen: 51.887 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Instrument :

MSVOA_N

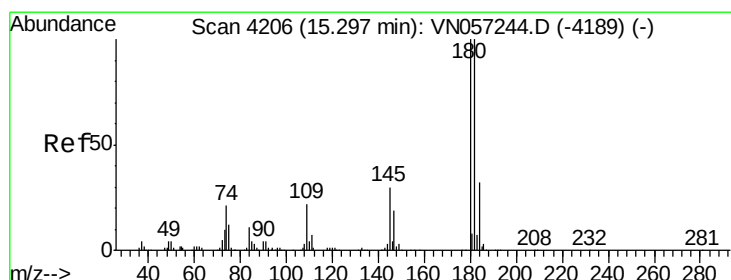
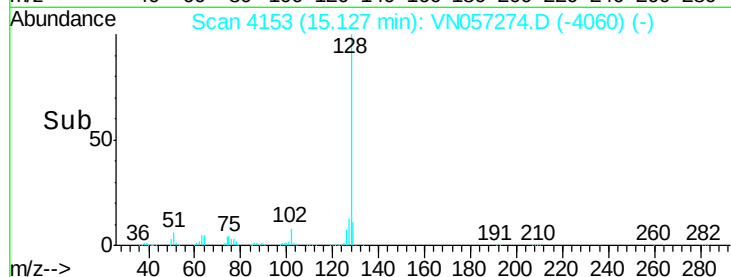
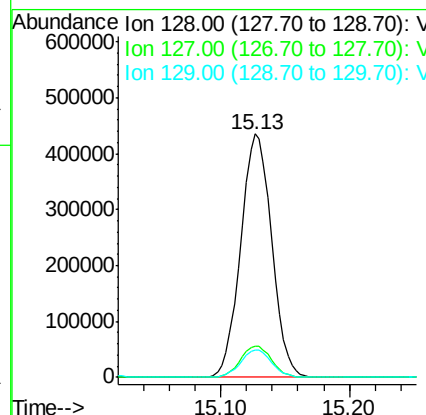
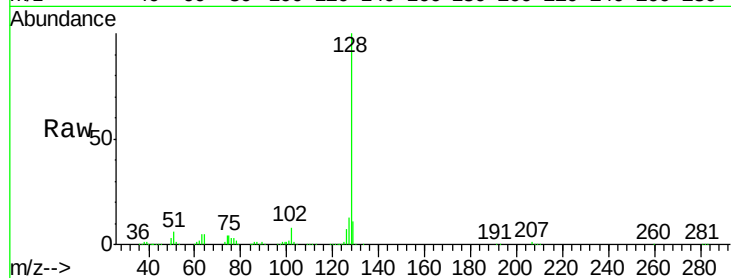
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		728010		
127	12.7		10.4	15.6	
129	11.1		8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:58:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.249 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057274.D

Acq: 14 Aug 2019 2:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		335111		
182	96.7		48.9	146.7	
145	29.6		15.0	45.1	

