

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054733.D
 Acq On : 28 Mar 2019 10:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:22 AM

Quant Time: Mar 29 05:28:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	464043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	727785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	641282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	286373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	283858	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	229945	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.09	98	847790	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.40	95	302484	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	253479	57.140	ug/l	98
3) Chloromethane	2.06	50	337965	55.994	ug/l	99
4) Vinyl Chloride	2.19	62	301761	49.797	ug/l	99
5) Bromomethane	2.57	94	180668	46.107	ug/l	98
6) Chloroethane	2.71	64	162987	44.842	ug/l	99
7) Trichlorofluoromethane	3.02	101	373151	50.705	ug/l	100
8) Diethyl Ether	3.41	74	118429	41.843	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	199303	46.081	ug/l	93
10) Methyl Iodide	3.94	142	286068	44.964	ug/l #	87
11) Tert butyl alcohol	4.81	59	89334	255.644	ug/l	98
12) 1,1-Dichloroethene	3.73	96	189322	42.298	ug/l #	74
13) Acrolein	3.61	56	114772	237.998	ug/l	97
14) Allyl chloride	4.32	41	469893	55.751	ug/l #	90
15) Acrylonitrile	4.99	53	480479	276.104	ug/l	100
16) Acetone	3.82	43	596690	343.846	ug/l #	82
17) Carbon Disulfide	4.04	76	639514	53.325	ug/l	100
18) Methyl Acetate	4.33	43	209477	54.158	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	669520	51.255	ug/l	94
20) Methylene Chloride	4.54	84	264925	51.789	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	252622	55.274	ug/l	85
22) Diisopropyl ether	5.96	45	934952	56.239	ug/l #	92
23) Vinyl Acetate	5.90	43	3412073	290.599	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	497404	55.568	ug/l	98
25) 2-Butanone	6.84	43	745352	335.296	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	367569	57.605	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	285961	52.456	ug/l	86
28) Bromochloromethane	7.19	49	224000	50.839	ug/l #	72
29) Tetrahydrofuran	7.22	42	400057	277.324	ug/l #	83
30) Chloroform	7.37	83	476933	54.596	ug/l	100
31) Cyclohexane	7.65	56	493174	57.787	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	399447	55.425	ug/l	95
36) 1,1-Dichloropropene	7.79	75	377560	55.484	ug/l	96
37) Ethyl Acetate	6.94	43	273564	56.523	ug/l #	94
38) Carbon Tetrachloride	7.77	117	348420	52.689	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
 Data File : VN054733.D
 Acq On : 28 Mar 2019 10:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 9:49:22 AM

Quant Time: Mar 29 05:28:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	433738	55.722	ug/l	90
40) Benzene	8.04	78	1072649	55.124	ug/l	99
41) Methacrylonitrile	7.18	41	167228	56.657	ug/l #	84
42) 1,2-Dichloroethane	8.13	62	381280	53.804	ug/l	96
43) Isopropyl Acetate	8.17	43	461376	56.446	ug/l #	94
44) Trichloroethene	8.83	130	280870	51.917	ug/l	90
45) 1,2-Dichloropropane	9.12	63	303975	58.176	ug/l	100
46) Dibromomethane	9.21	93	168815	54.157	ug/l	90
47) Bromodichloromethane	9.40	83	369949	57.186	ug/l	98
48) Methyl methacrylate	9.20	41	229686	51.773	ug/l	89
49) 1,4-Dioxane	9.20	88	49153	991.052	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1310574	289.313	ug/l	92
52) Toluene	10.16	92	654801	54.712	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	358910	52.477	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	438029	59.052	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	234256	54.452	ug/l	97
56) Ethyl methacrylate	10.43	69	319872	55.396	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	409689	54.783	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	592988	249.394	ug/l #	89
59) 2-Hexanone	10.75	43	957517	323.604	ug/l	90
60) Dibromochloromethane	10.90	129	257699	56.293	ug/l	100
61) 1,2-Dibromoethane	11.00	107	228668	53.765	ug/l	100
64) Tetrachloroethene	10.63	164	268141	50.410	ug/l	95
65) Chlorobenzene	11.43	112	687366	52.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	261239	55.802	ug/l	99
67) Ethyl Benzene	11.51	91	1255362	54.487	ug/l	97
68) m/p-Xylenes	11.62	106	926543	106.173	ug/l	94
69) o-Xylene	11.95	106	448029	52.570	ug/l	96
70) Styrene	11.96	104	754616	54.524	ug/l	97
71) Bromoform	12.13	173	158960	49.284	ug/l #	100
73) Isopropylbenzene	12.25	105	1195035	51.786	ug/l	98
74) N-amyl acetate	12.07	43	389013	58.628	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	285235	54.147	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	257341m	56.629	ug/l	
77) Bromobenzene	12.53	156	290798	50.810	ug/l	84
78) n-propylbenzene	12.59	91	1364510	54.530	ug/l	96
79) 2-Chlorotoluene	12.67	91	811028	51.974	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	979165	51.772	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	68816	52.065	ug/l #	84
82) 4-Chlorotoluene	12.77	91	813011	53.751	ug/l	96
83) tert-Butylbenzene	12.99	119	825924	50.169	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	968591	52.193	ug/l	98
85) sec-Butylbenzene	13.17	105	1085318	52.884	ug/l	97
86) p-Isopropyltoluene	13.29	119	973596	53.027	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	501728	52.900	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	490680	53.173	ug/l	98
89) n-Butylbenzene	13.61	91	839201	58.454	ug/l	98
90) Hexachloroethane	13.87	117	164097	57.578	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	478628	52.101	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41062	53.144	ug/l	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032819\
Data File : VN054733.D
Acq On : 28 Mar 2019 10:13
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

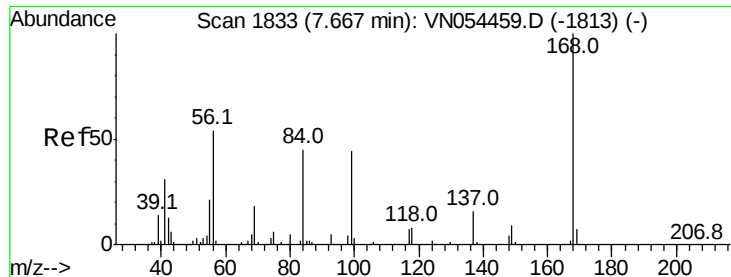
Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM

Quant Time: Mar 29 05:28:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	257375	56.201	ug/l	98
94) Hexachlorobutadiene	15.01	225	159472	62.604	ug/l	98
95) Naphthalene	15.13	128	550651	53.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	247296	54.257	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 464043

Ion Ratio Lower Upper

168 100

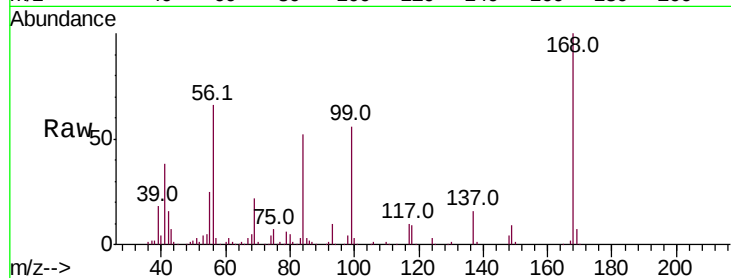
99 55.1 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

3/29/2019 9:49:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

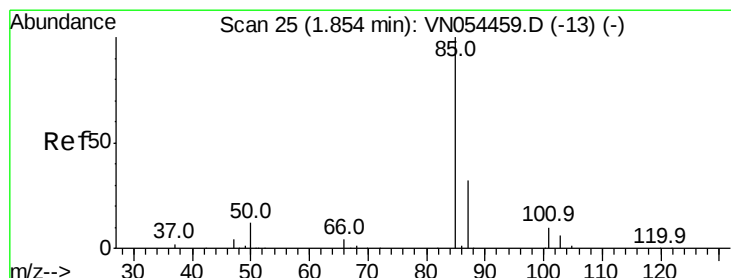
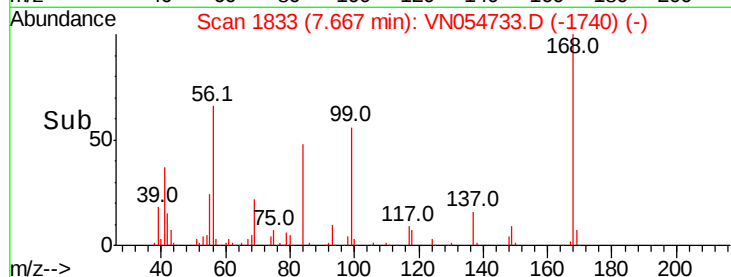
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 57.140 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054733.D

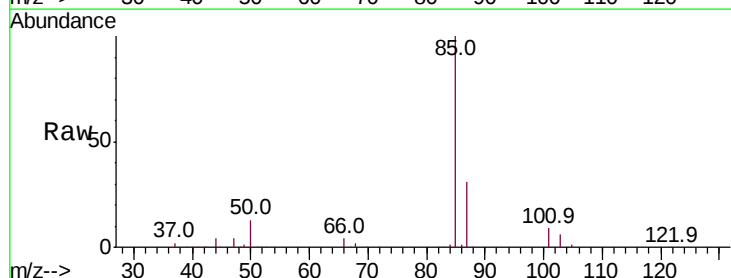
Acq: 28 Mar 2019 10:13

Tgt Ion: 85 Resp: 253479

Ion Ratio Lower Upper

85 100

87 31.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

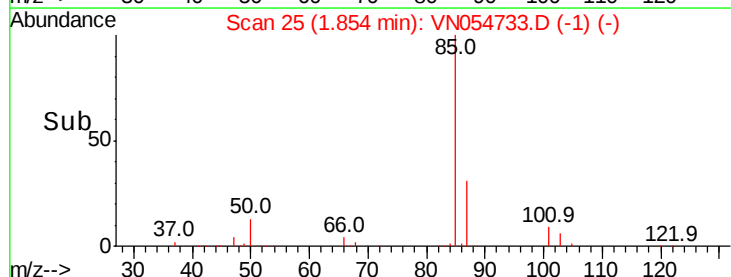
100000

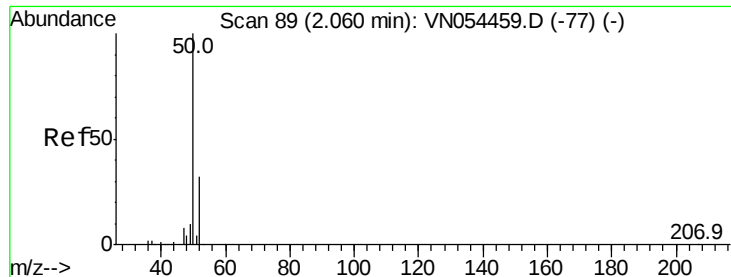
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 55.994 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 337965

Ion Ratio Lower Upper

50 100

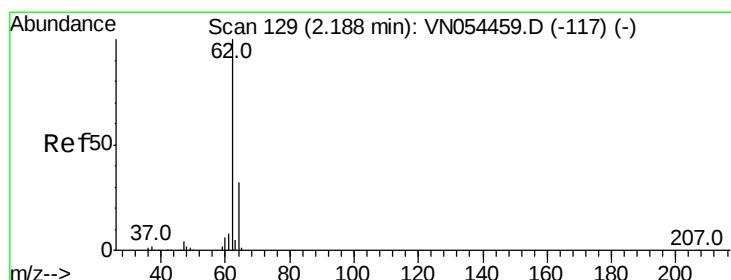
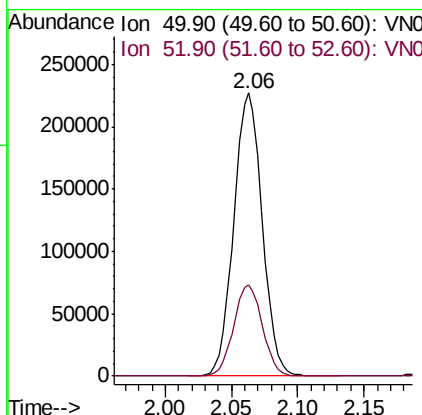
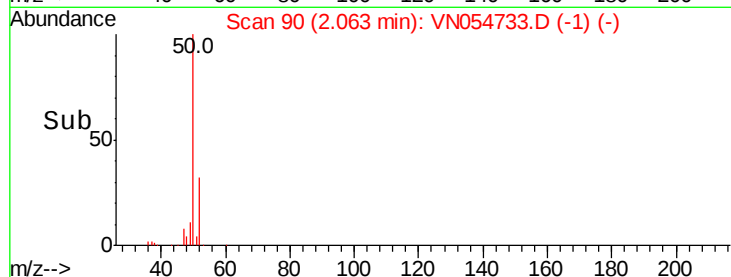
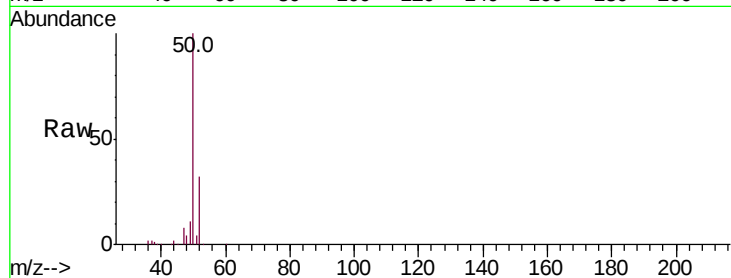
52 32.4 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

3/29/2019 9:49:22 AM



#4

Vinyl Chloride

Concen: 49.797 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054733.D

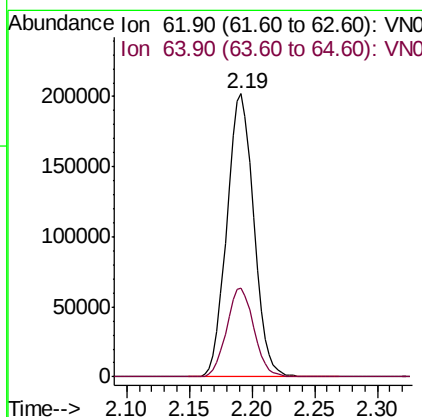
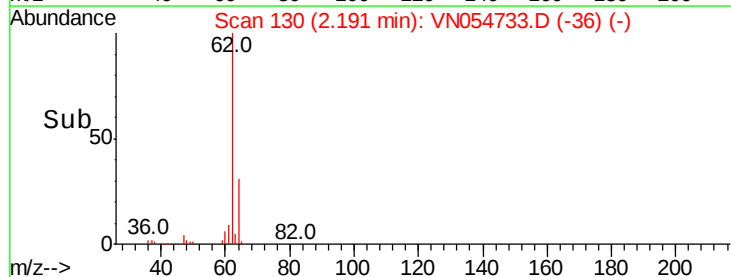
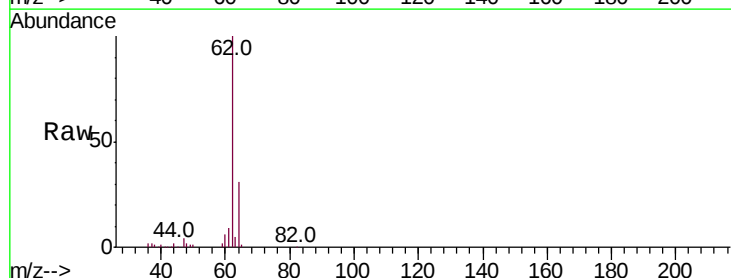
Acq: 28 Mar 2019 10:13

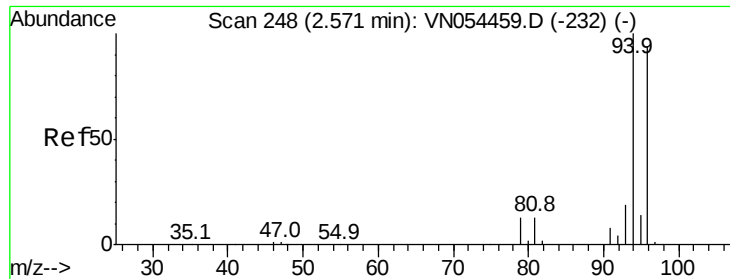
Tgt Ion: 62 Resp: 301761

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 46.107 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 180668

Ion Ratio Lower Upper

94 100

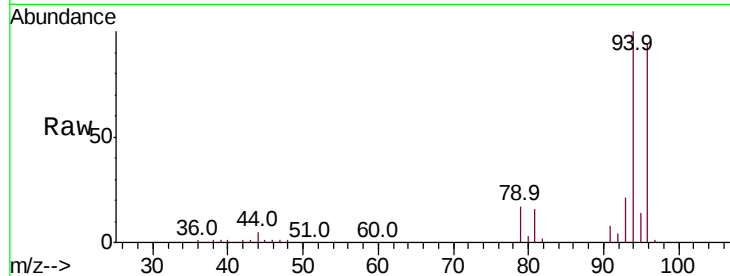
96 94.5 77.0 115.4

Manual Integrations

APPROVED

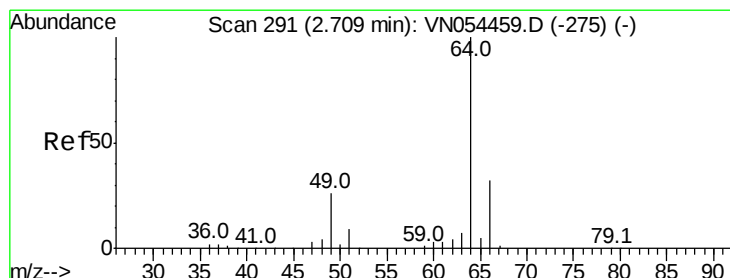
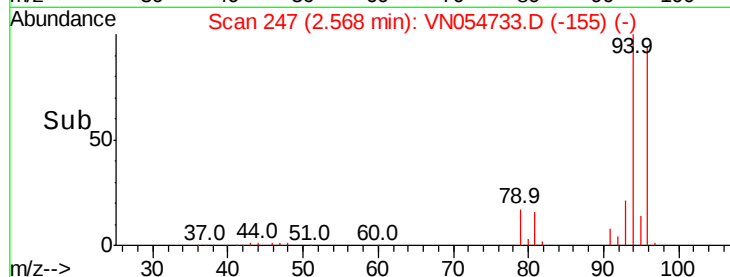
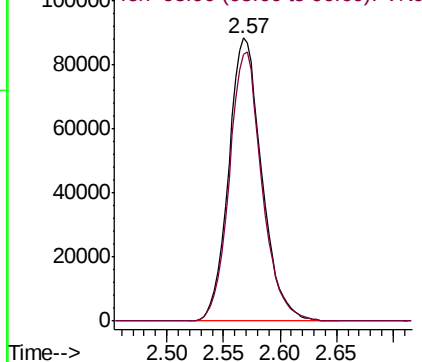
MMDadoda

3/29/2019 9:49:22 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.842 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054733.D

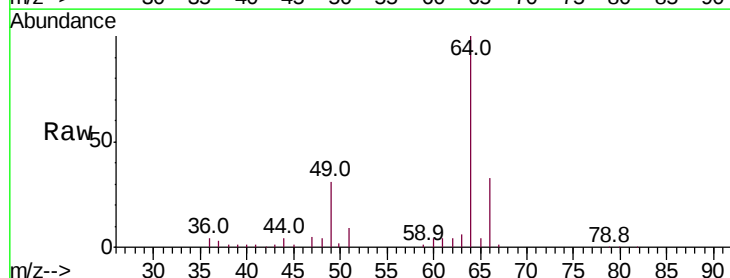
Acq: 28 Mar 2019 10:13

Tgt Ion: 64 Resp: 162987

Ion Ratio Lower Upper

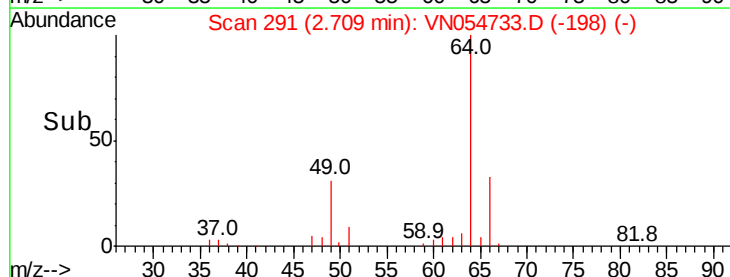
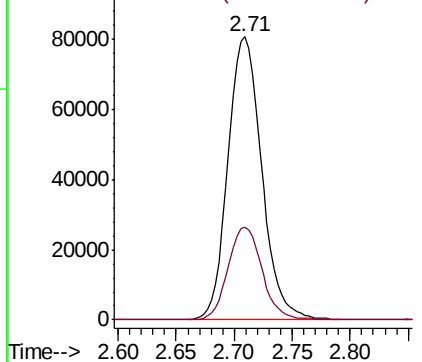
64 100

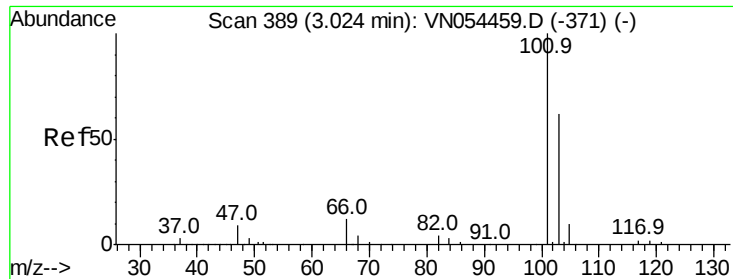
66 32.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

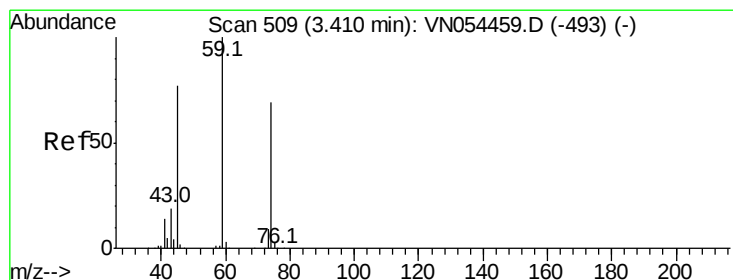
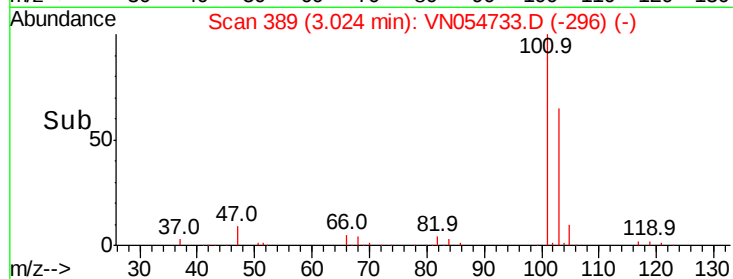
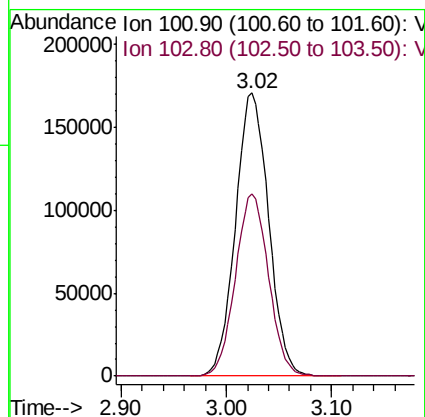
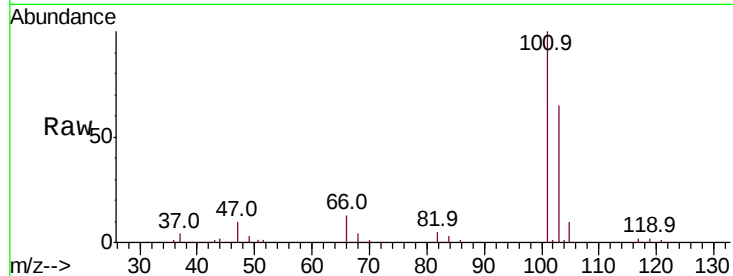
Trichlorofluoromethane
 Concen: 50.705 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.2

Manual Integrations
 APPROVED

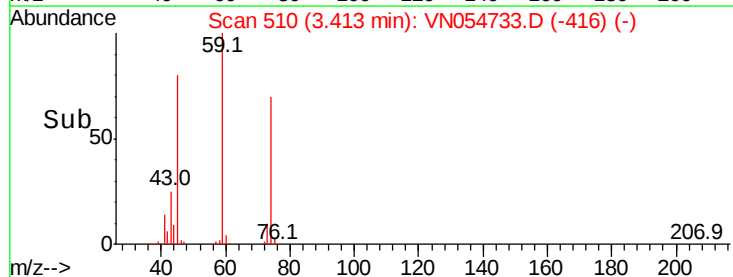
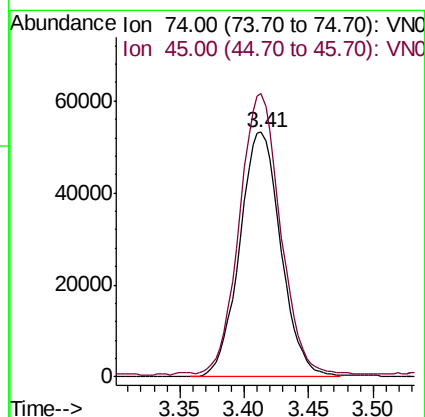
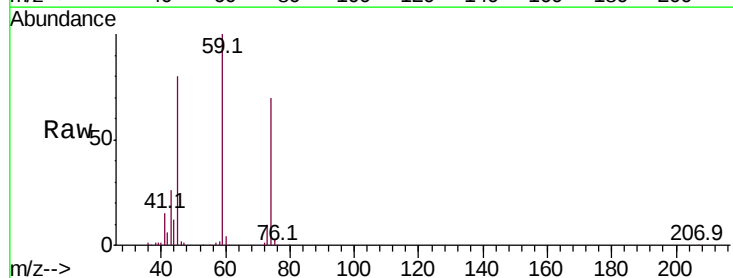
MMDadoda
 3/29/2019 9:49:22 AM

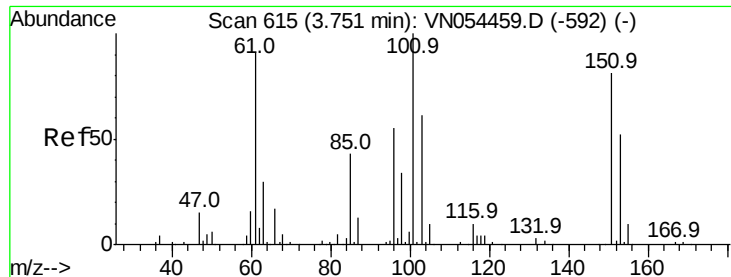


#8

Diethyl Ether
 Concen: 41.843 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.081 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

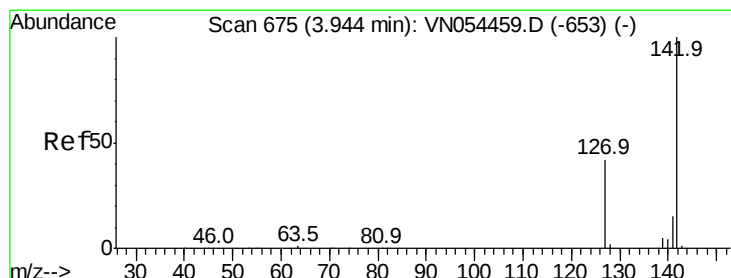
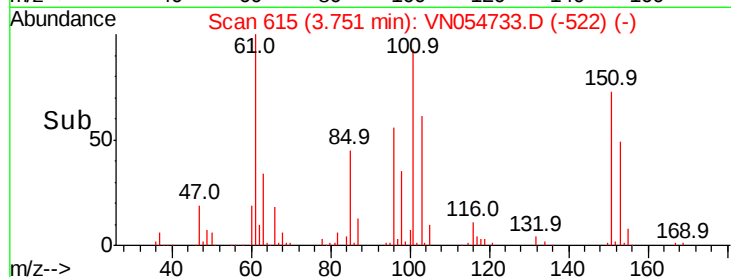
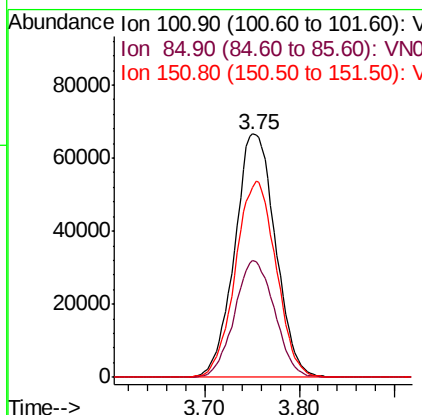
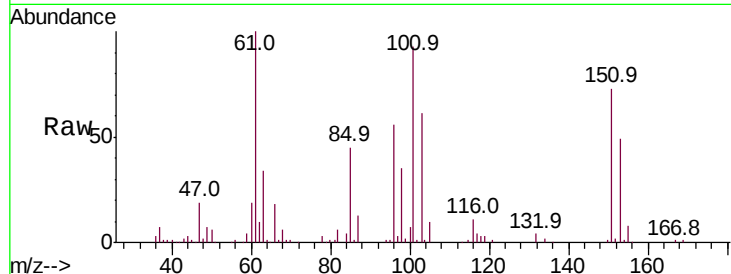
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	199303
Ion Ratio	Lower	Upper	
101	100		
85	47.1	32.4	48.6
151	80.4	68.2	102.2

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



#10

Methyl Iodide

Concen: 44.964 ug/l

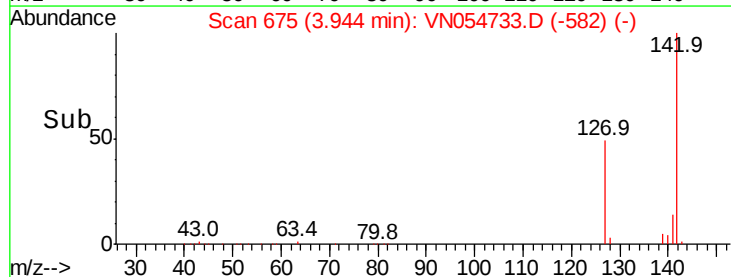
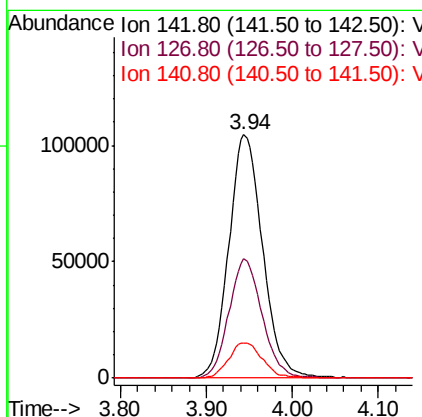
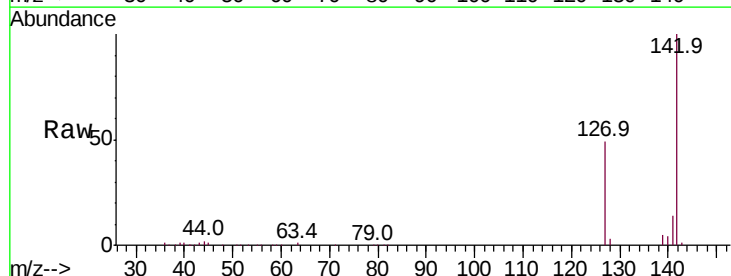
RT: 3.94 min Scan# 675

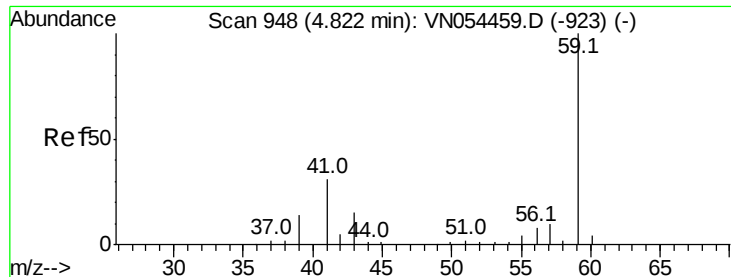
Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion:	142	Resp:	286068
Ion Ratio	Lower	Upper	
142	100		
127	48.2	30.3	45.5#
141	14.7	11.2	16.8





#11

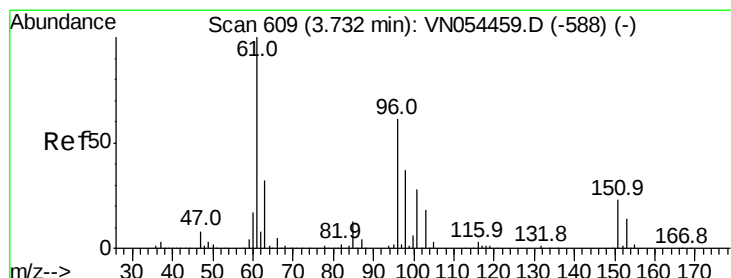
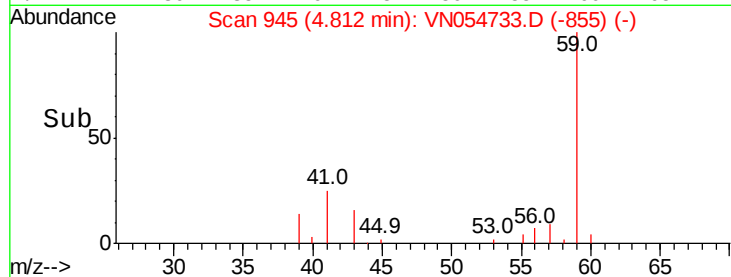
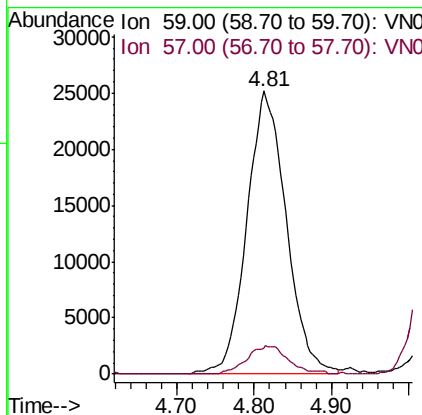
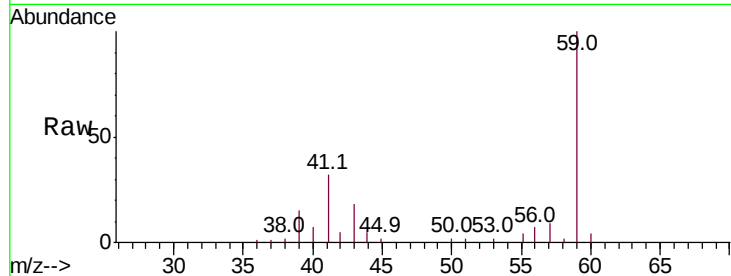
Tert butyl alcohol
 Concen: 255.644 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.6

Manual Integrations
 APPROVED

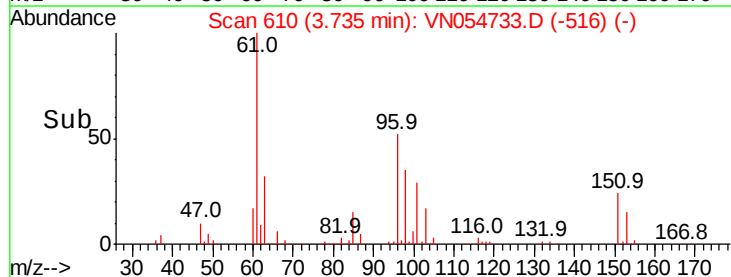
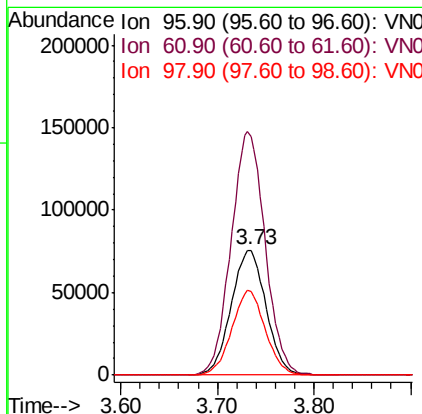
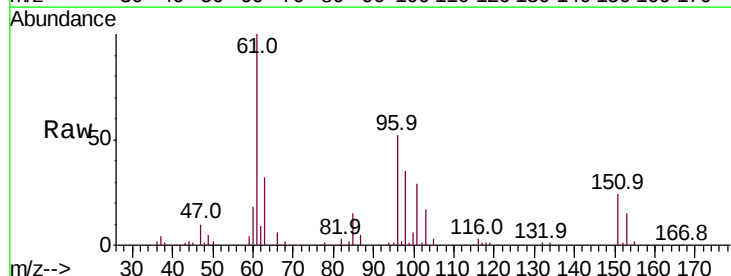
MMDadoda
 3/29/2019 9:49:22 AM

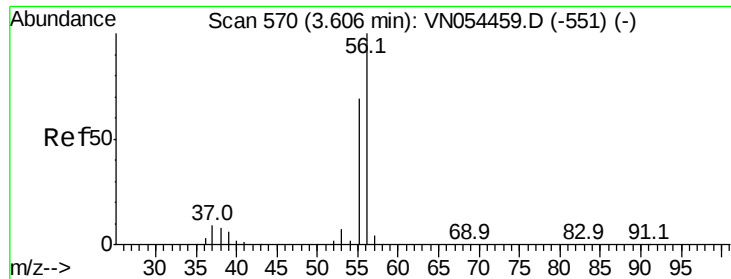


#12

1,1-Dichloroethene
 Concen: 42.298 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.4	116.5	174.7#
98	67.0	51.0	76.4





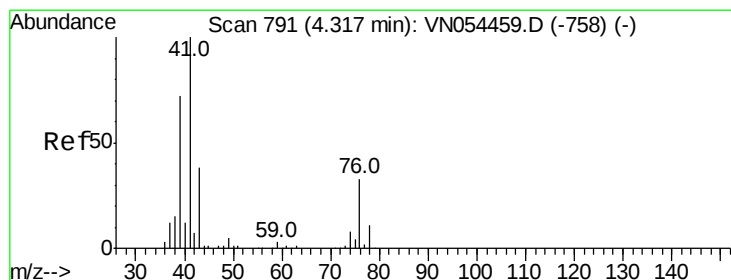
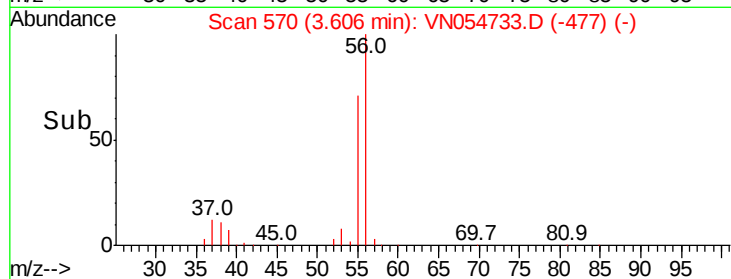
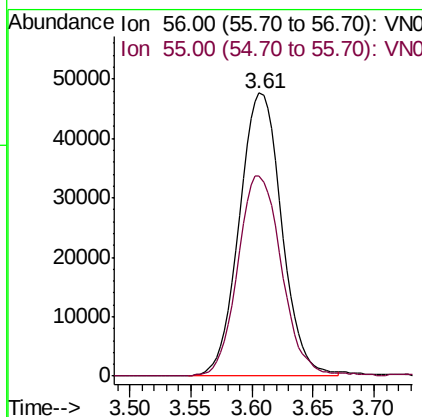
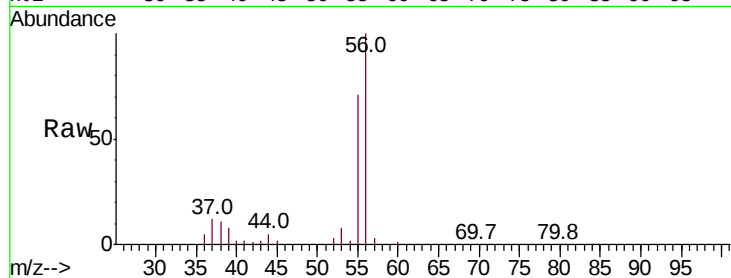
#13
Acrolein
Concen: 237.998 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.1	56.7	85.1

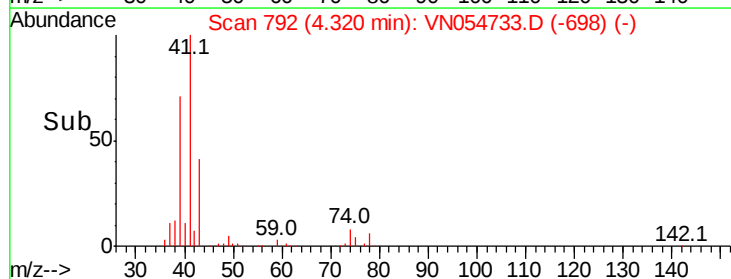
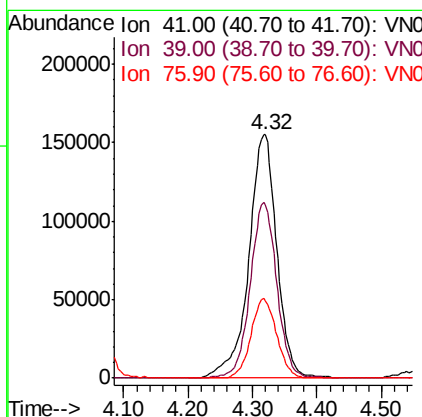
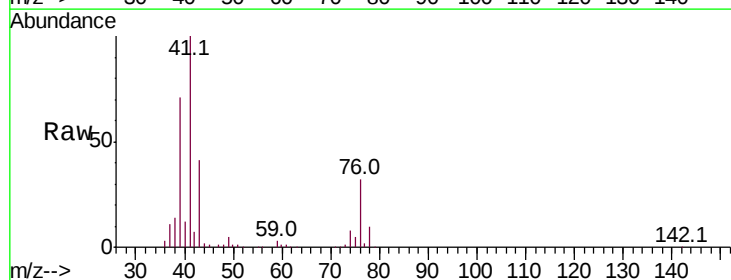
Manual Integrations
APPROVED

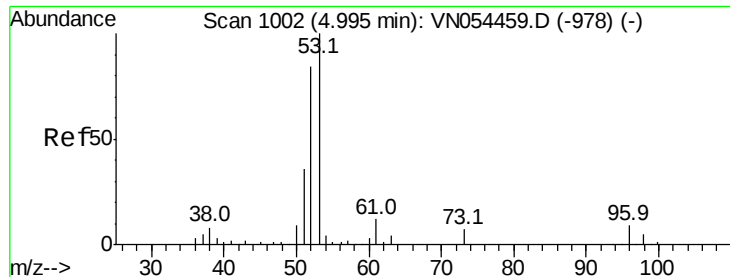
MMDadoda
3/29/2019 9:49:22 AM



#14
Allyl chloride
Concen: 55.751 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.9	58.2	87.4
76	29.6	31.7	47.5#





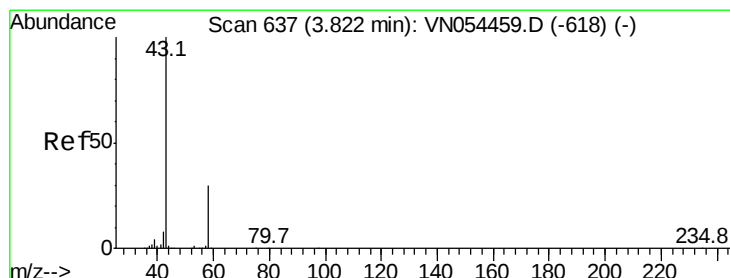
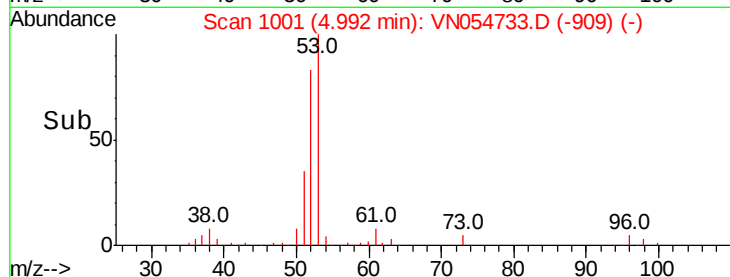
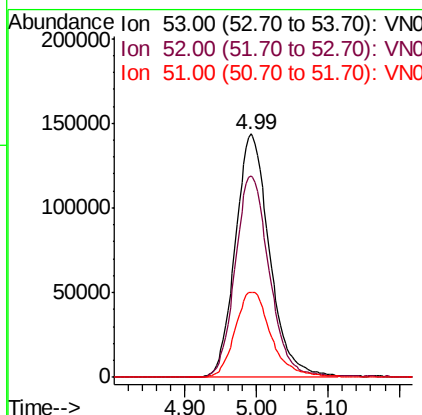
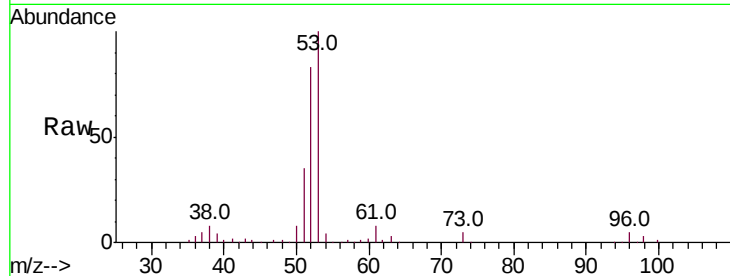
#15
 Acrylonitrile
 Concen: 276.104 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	37.0	29.6	44.4

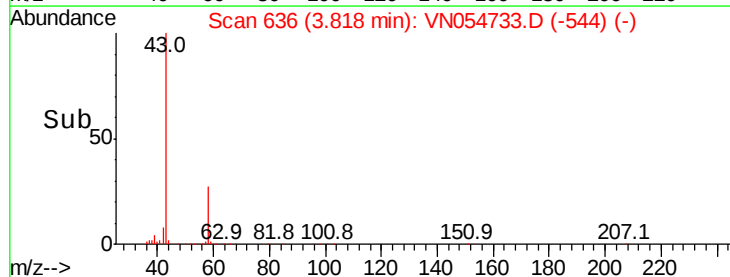
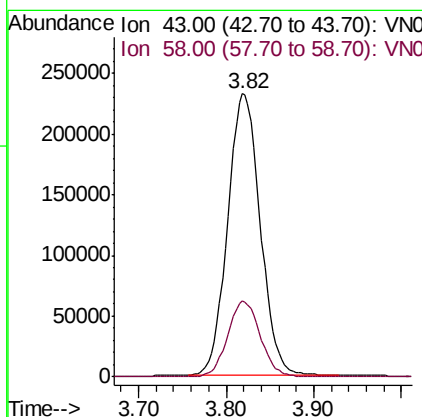
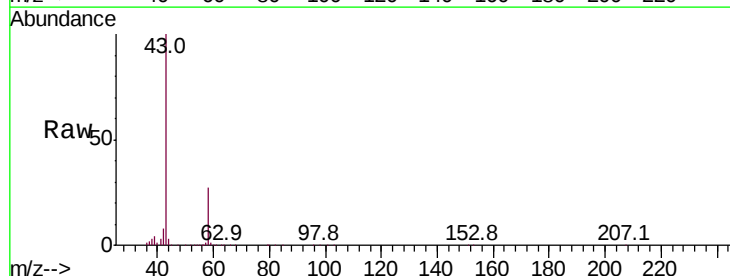
Manual Integrations
 APPROVED

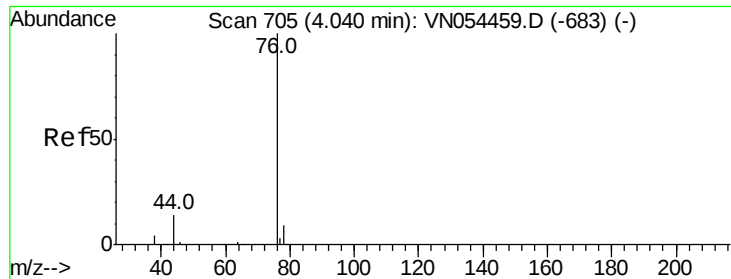
MMDadoda
 3/29/2019 9:49:22 AM



#16
 Acetone
 Concen: 343.846 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.8	29.9	44.9#





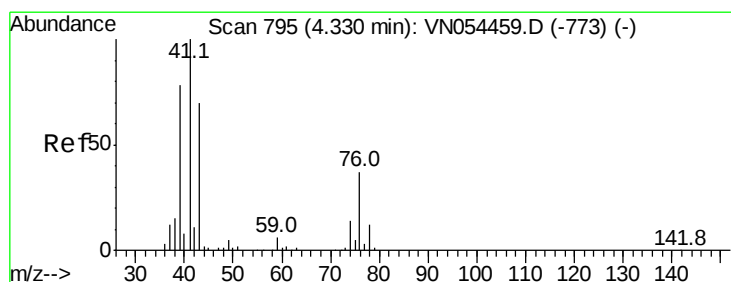
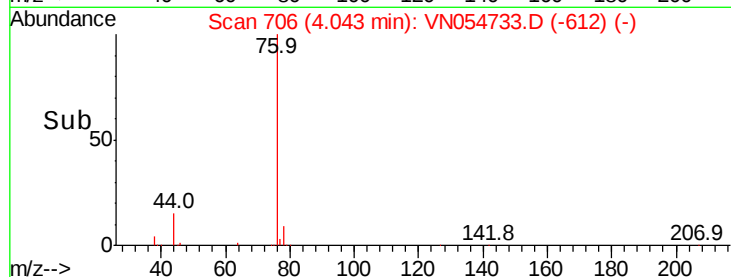
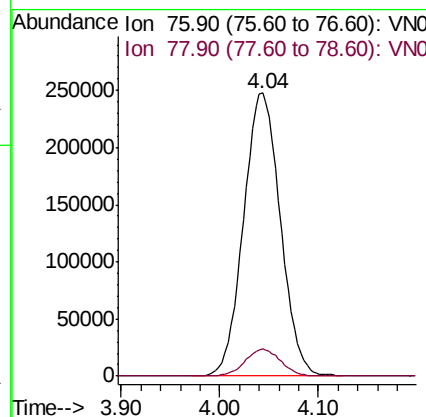
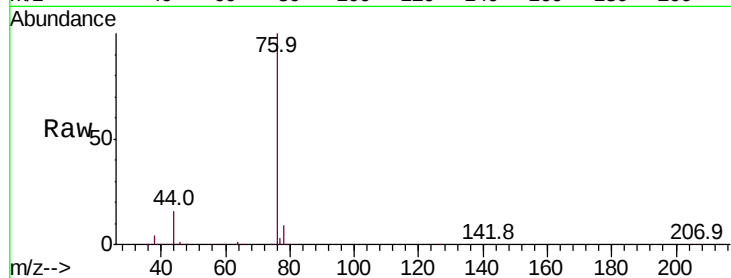
#17
Carbon Disulfide
Concen: 53.325 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3

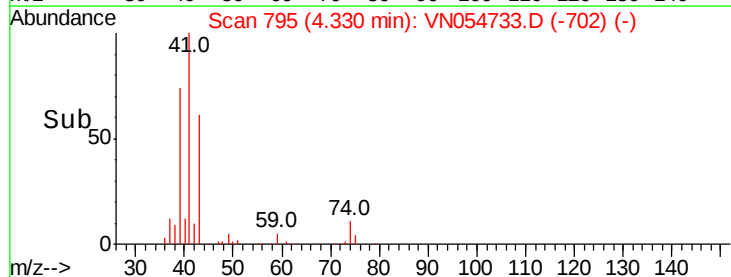
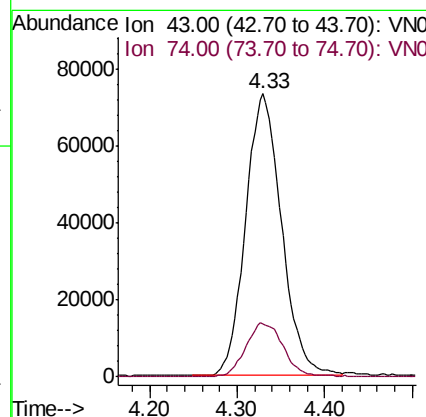
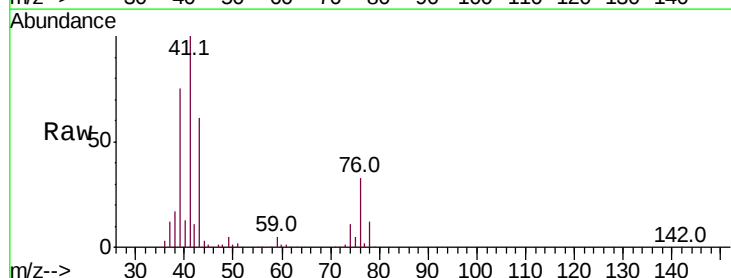
Manual Integrations
APPROVED

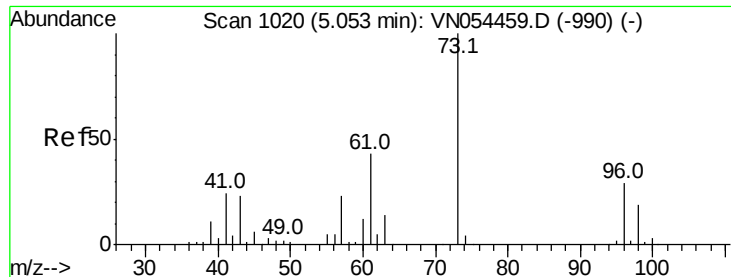
MMDadoda
3/29/2019 9:49:22 AM



#18
Methyl Acetate
Concen: 54.158 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	20.8	31.2#





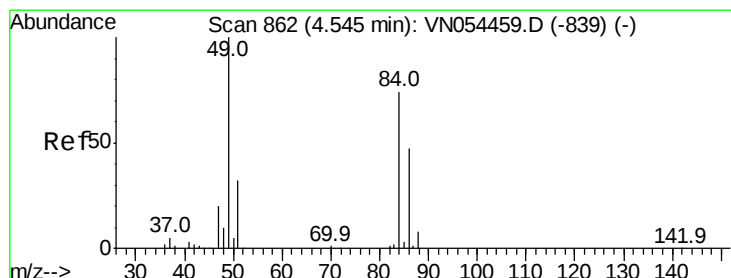
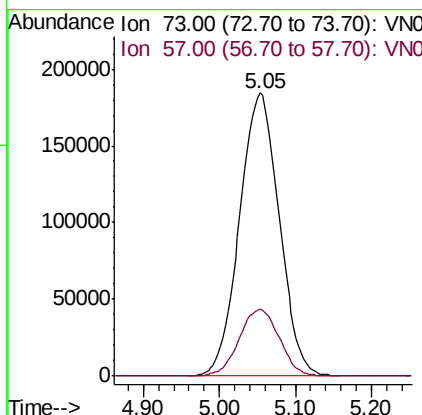
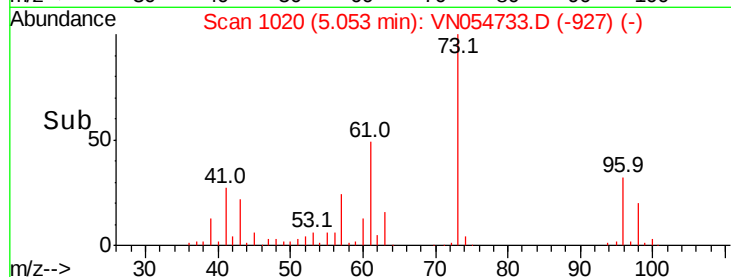
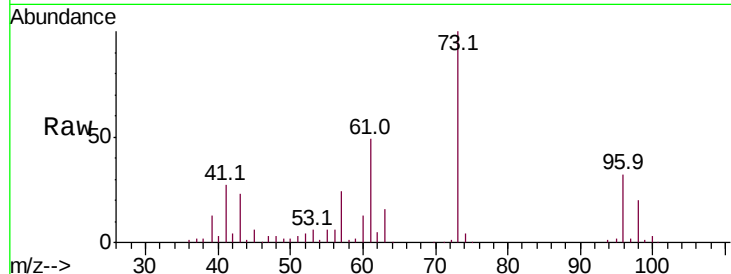
#19
Methvl tert-butvl Ether
Concen: 51.255 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 669520
Ion Ratio Lower Upper
73 100
57 23.6 16.8 25.2

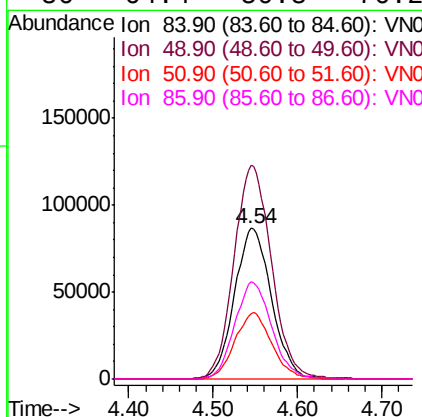
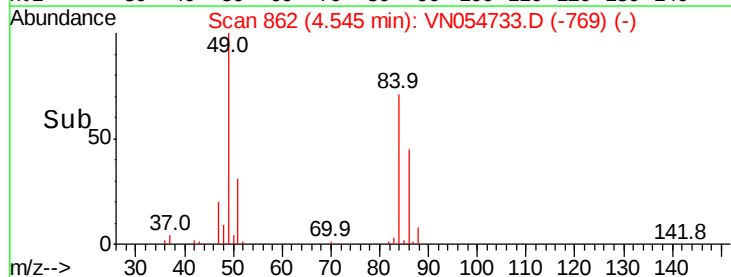
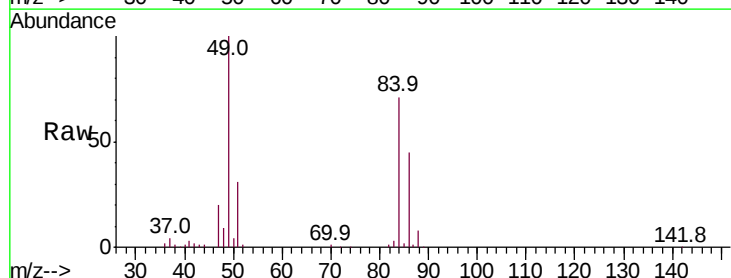
Manual Integrations
APPROVED

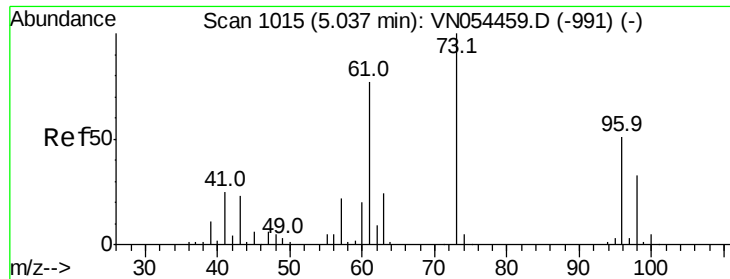
MMDadoda
3/29/2019 9:49:22 AM



#20
Methylene Chloride
Concen: 51.789 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 84 Resp: 264925
Ion Ratio Lower Upper
84 100
49 141.5 89.7 134.5#
51 43.3 28.2 42.4#
86 64.4 50.8 76.2





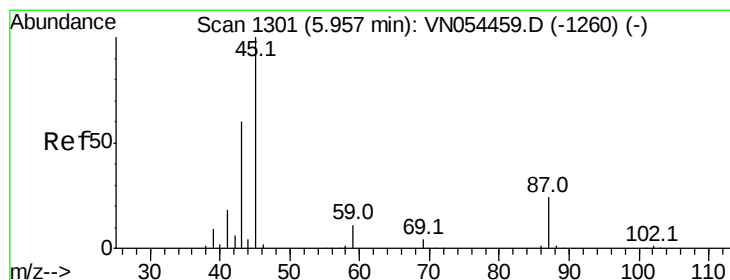
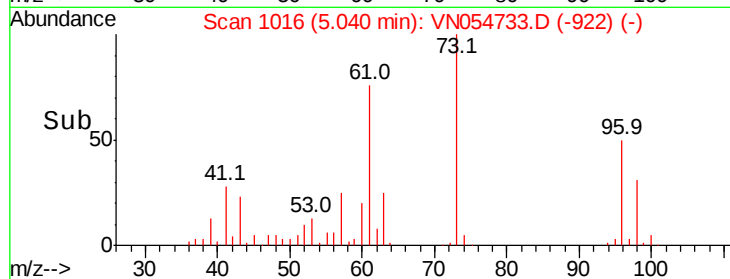
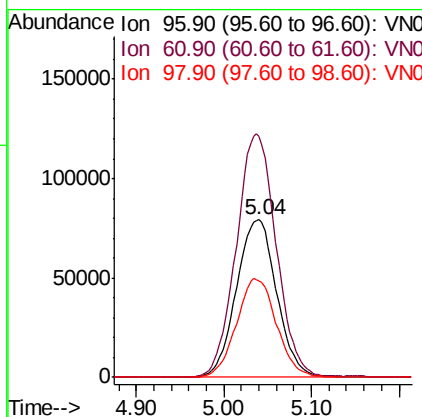
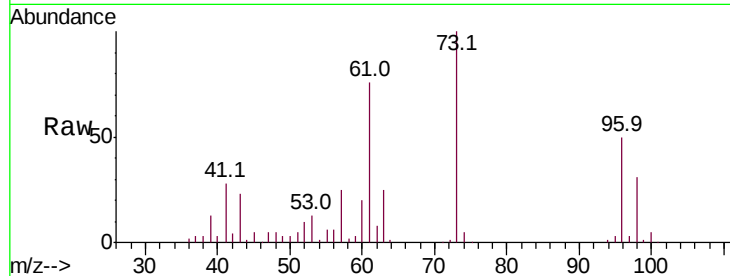
#21
trans-1,2-Dichloroethene
Concen: 55.274 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	102.8	154.2
98	61.4	50.0	75.0

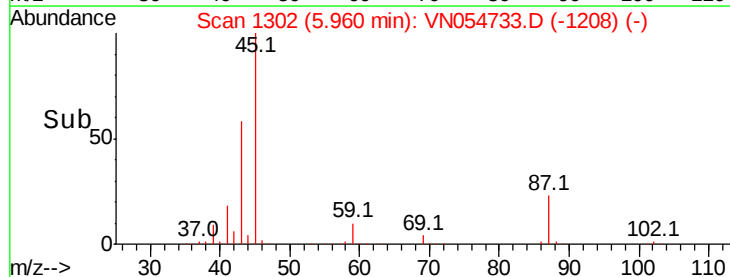
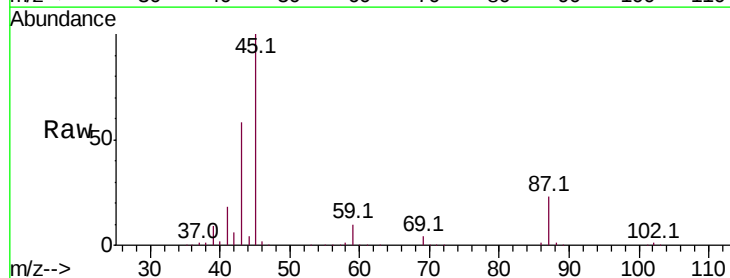
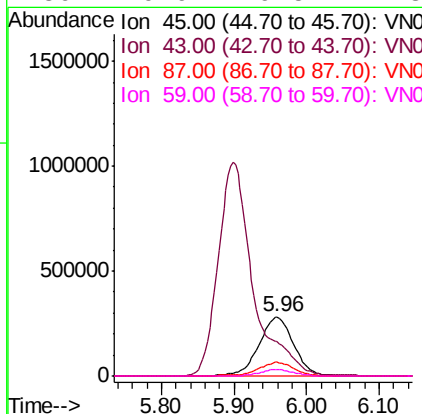
Manual Integrations
APPROVED

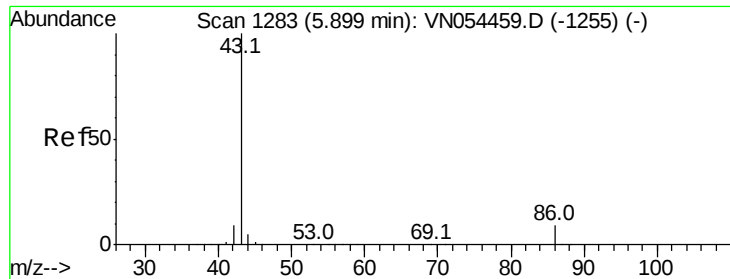
MMDadoda
3/29/2019 9:49:22 AM



#22
Diisopropyl ether
Concen: 56.239 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	48.2	72.2
87	22.8	24.9	37.3#
59	9.9	9.5	14.3





#23

Vinyl Acetate

Concen: 290.599 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3412073

Ion Ratio Lower Upper

43 100

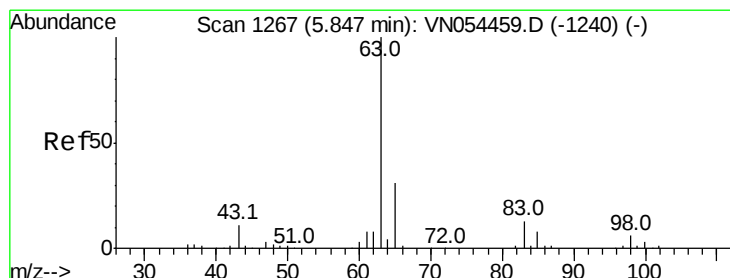
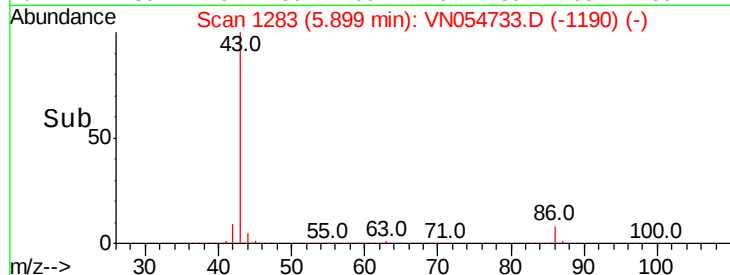
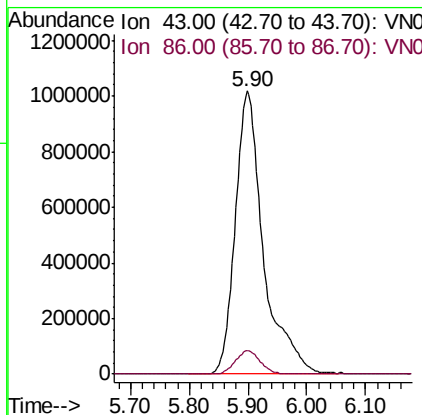
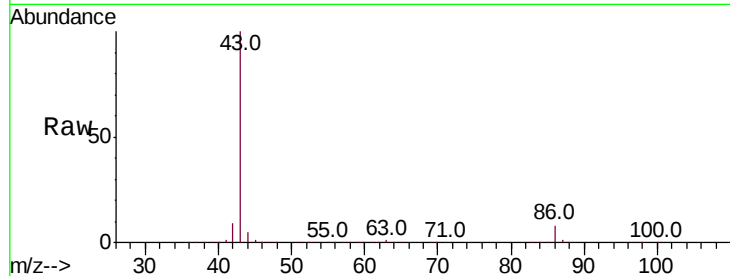
86 8.4 9.1 13.7#

Manual Integrations

APPROVED

MMDadoda

3/29/2019 9:49:22 AM



#24

1,1-Dichloroethane

Concen: 55.568 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

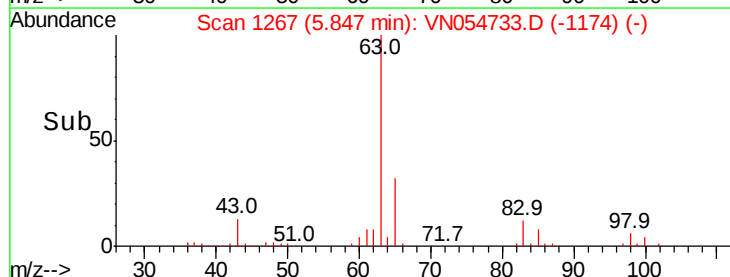
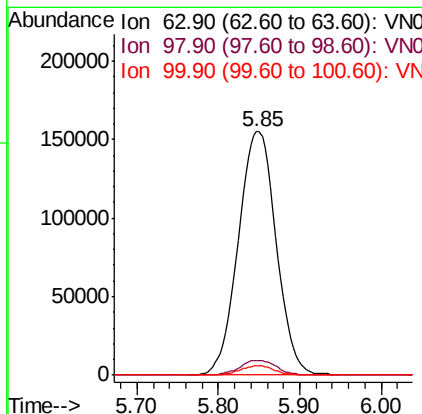
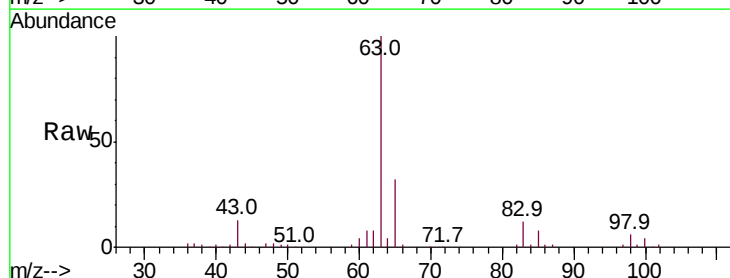
Tgt Ion: 63 Resp: 497404

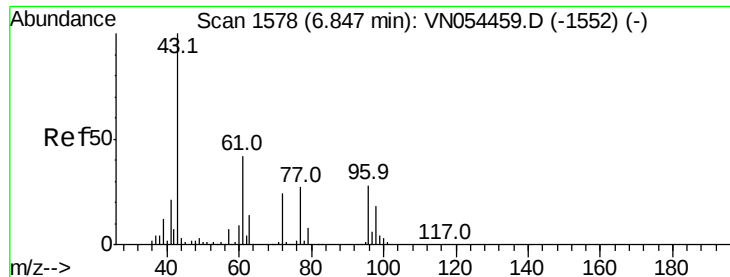
Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.5

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 335.296 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 745352

Ion Ratio Lower Upper

43 100

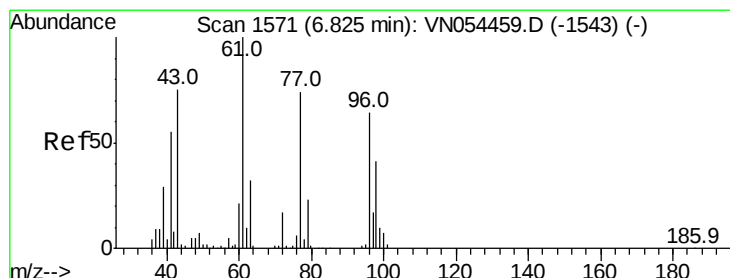
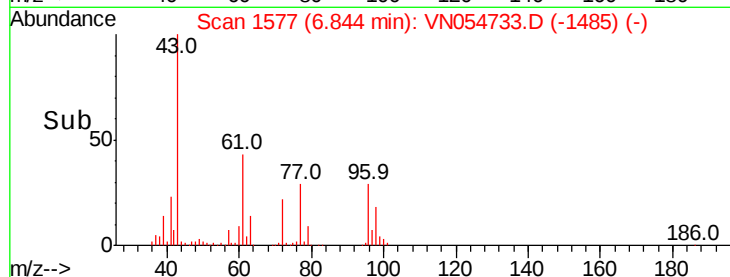
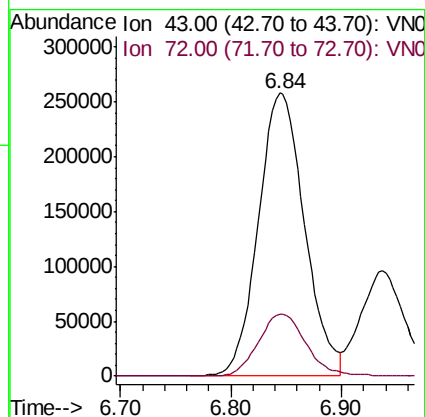
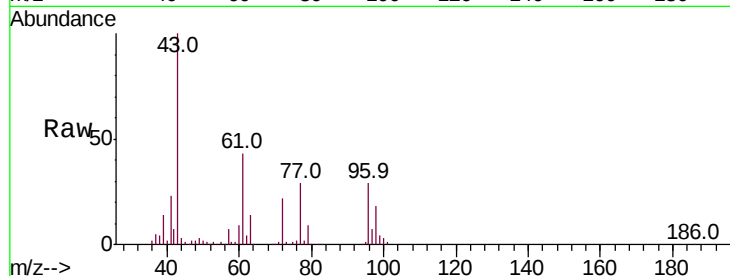
72 21.8 23.0 34.6#

Manual Integrations

APPROVED

MMDadoda

3/29/2019 9:49:22 AM



#26

2,2-Dichloropropane

Concen: 57.605 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054733.D

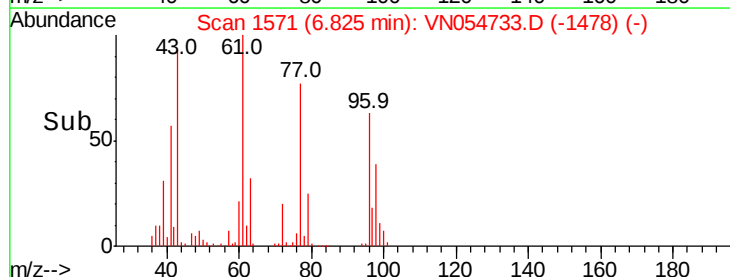
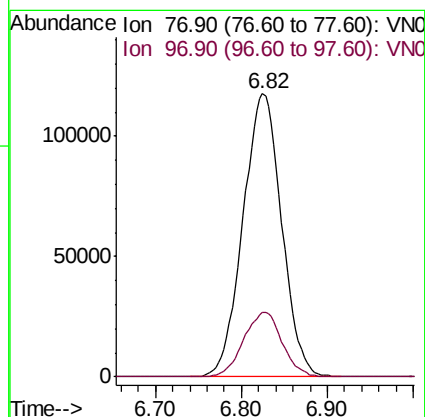
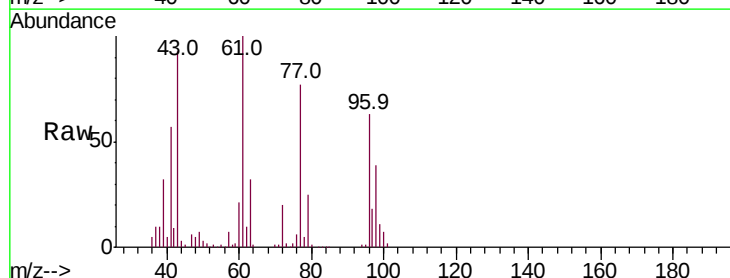
Acq: 28 Mar 2019 10:13

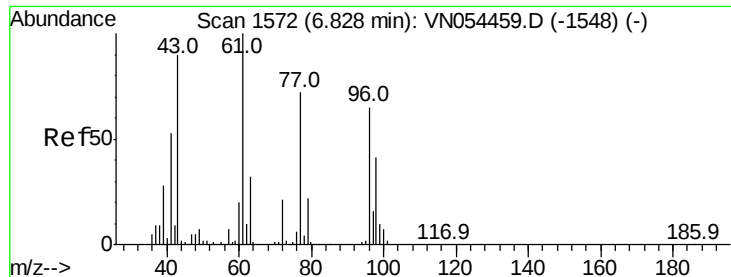
Tgt Ion: 77 Resp: 367569

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.456 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

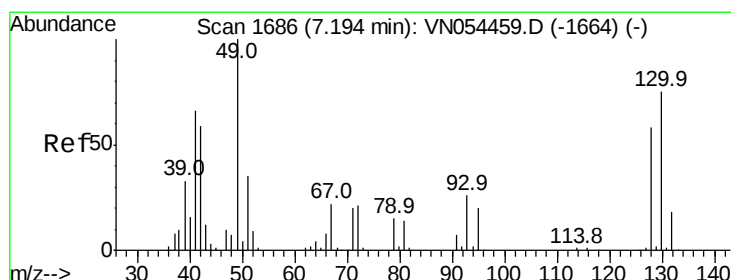
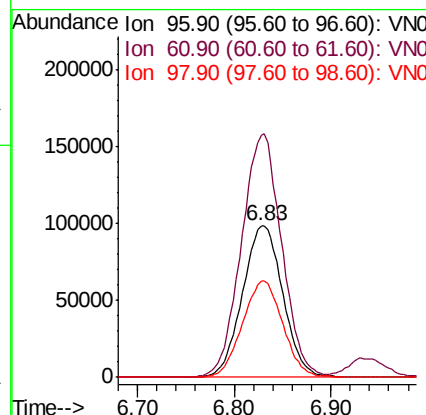
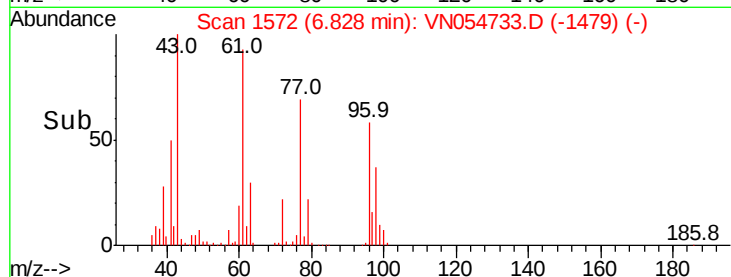
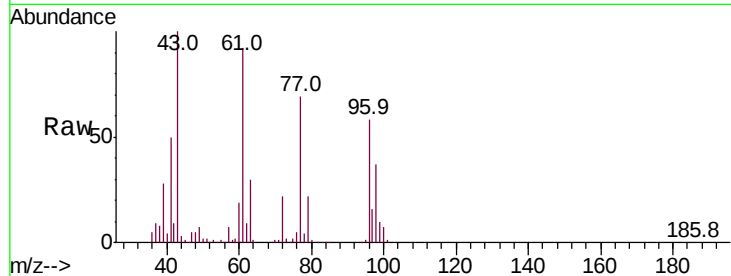
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	285961
Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	273.0
98	64.0	0.0	130.6

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



#28

Bromochloromethane

Concen: 50.839 ug/l

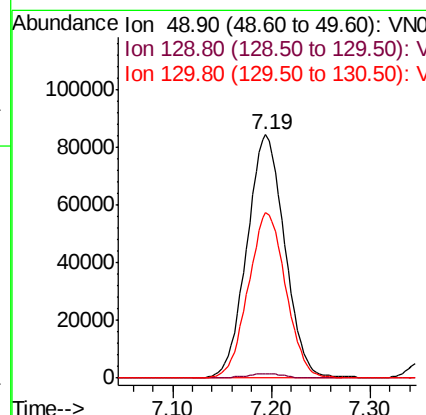
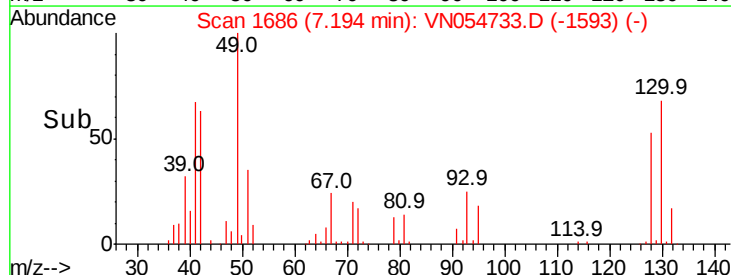
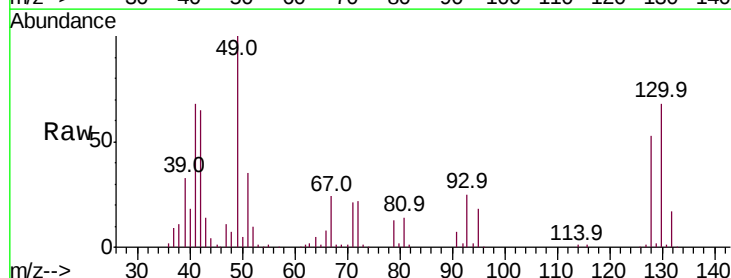
RT: 7.19 min Scan# 1686

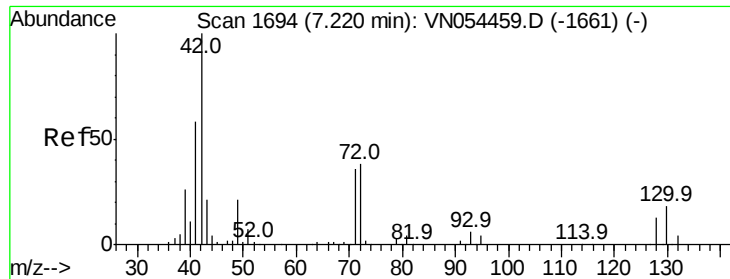
Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion:	49	Resp:	224000
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	67.4	76.7	115.1#





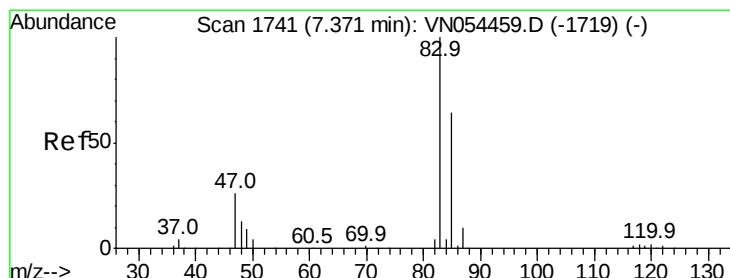
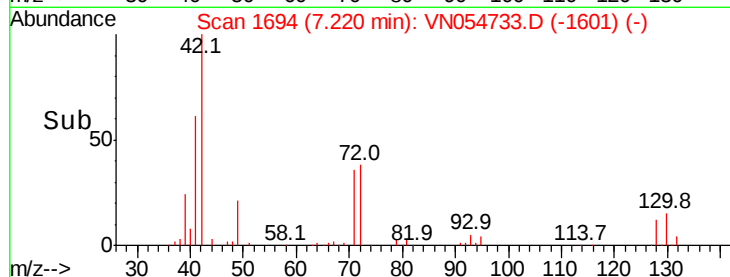
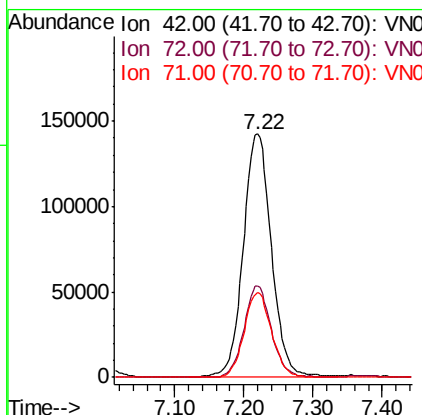
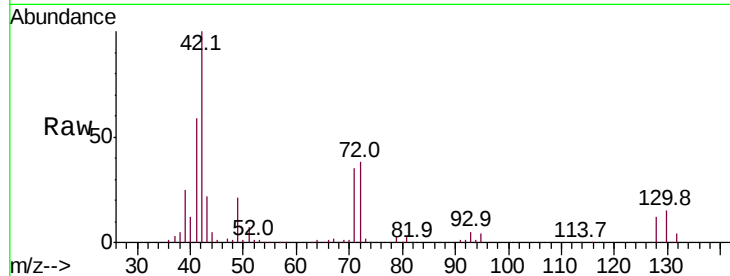
#29
Tetrahydrofuran
Concen: 277.324 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	37.8	56.6#
71	34.2	36.2	54.2#

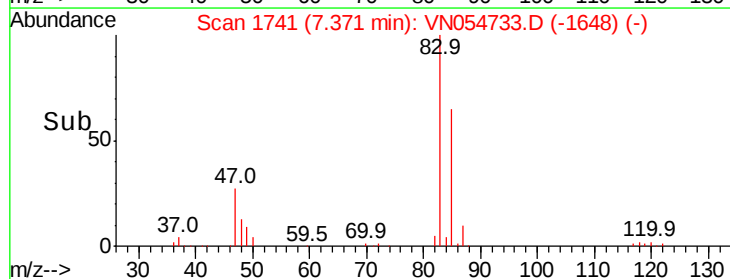
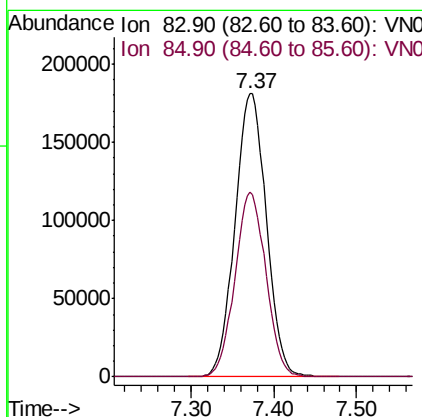
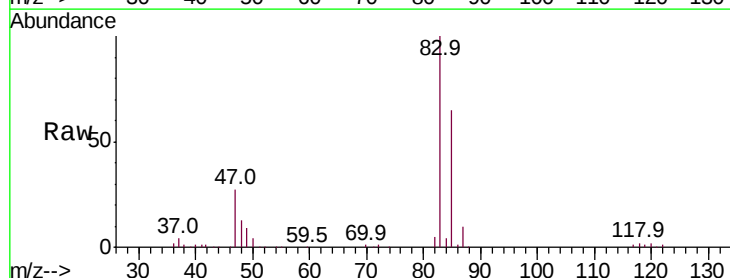
Manual Integrations
APPROVED

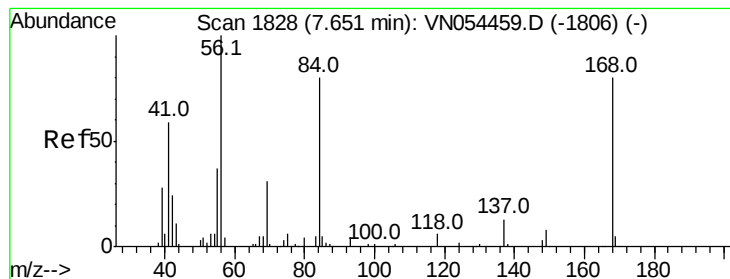
MMDadoda
3/29/2019 9:49:22 AM



#30
Chloroform
Concen: 54.596 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.4





#31

Cvclohexane

Concen: 57.787 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 493174

Ion Ratio Lower Upper

56 100

69 30.9 27.8 41.6

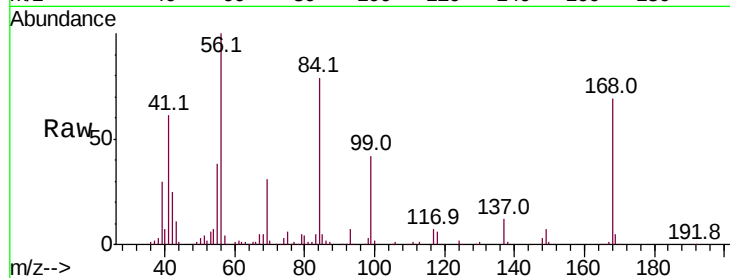
84 77.4 74.6 111.8

Manual Integrations

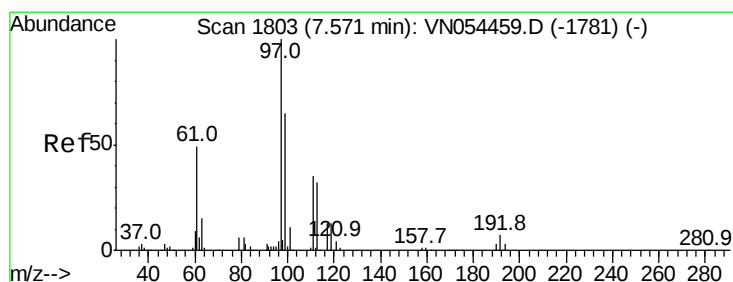
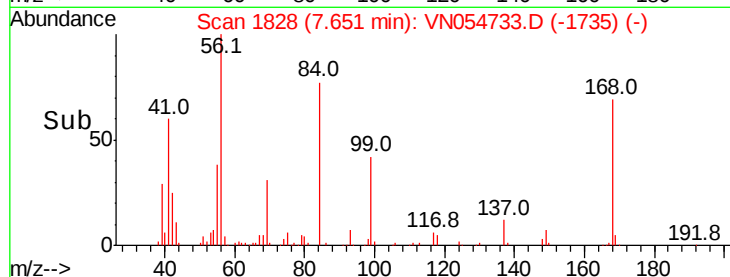
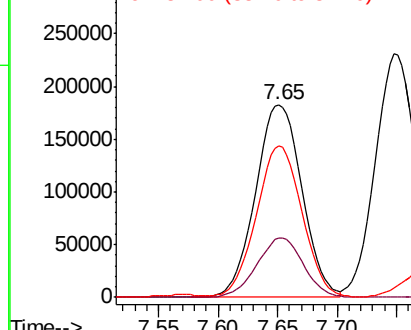
APPROVED

MMDadoda

3/29/2019 9:49:22 AM



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



#32

1,1,1-Trichloroethane

Concen: 55.425 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

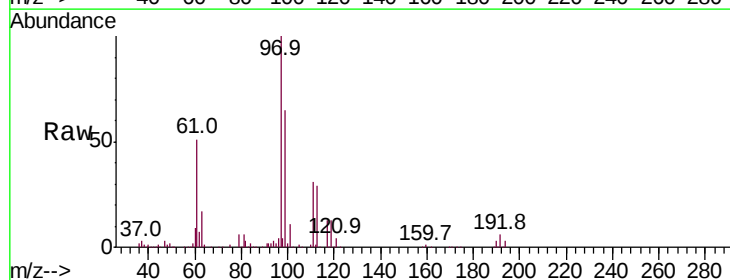
Tgt Ion: 97 Resp: 399447

Ion Ratio Lower Upper

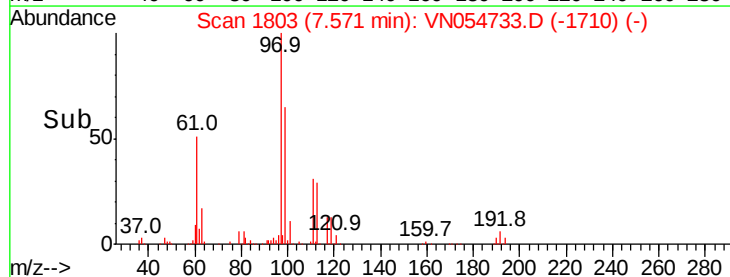
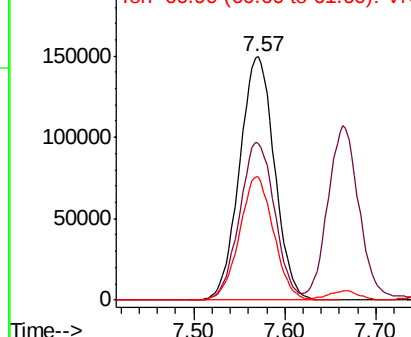
97 100

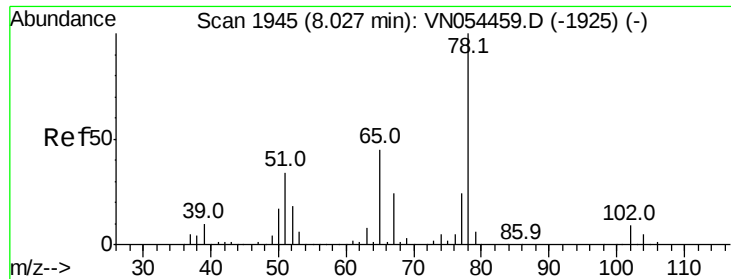
99 65.0 51.5 77.3

61 49.5 33.6 50.4



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





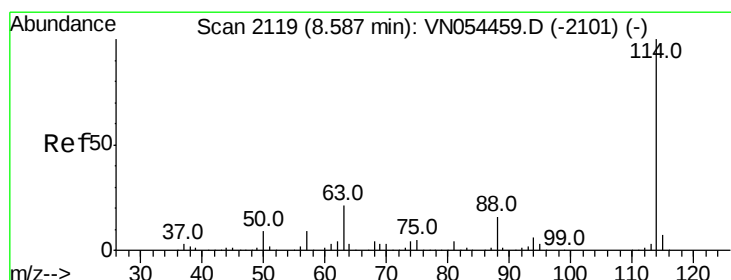
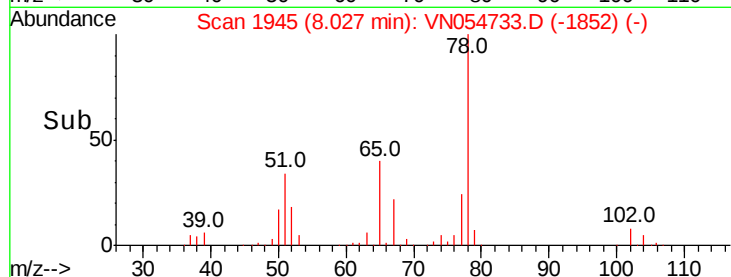
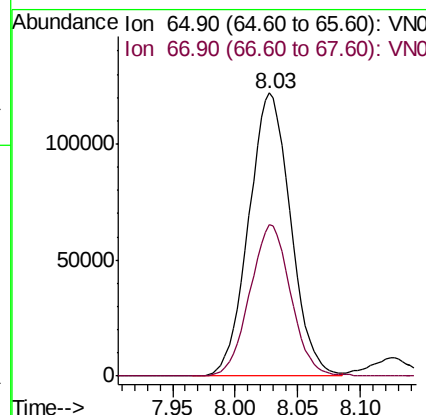
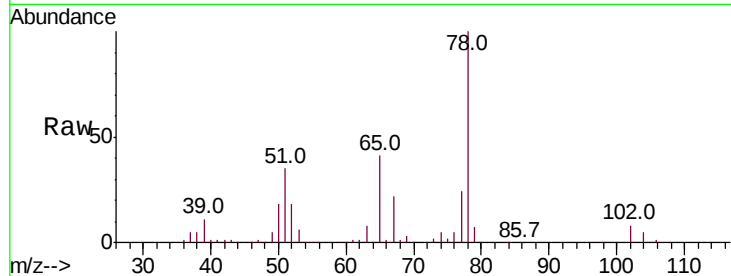
#33
 1,2-Dichloroethane-d4
 Concen: 49.179 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	283858		
67	52.2	0.0	104.6	

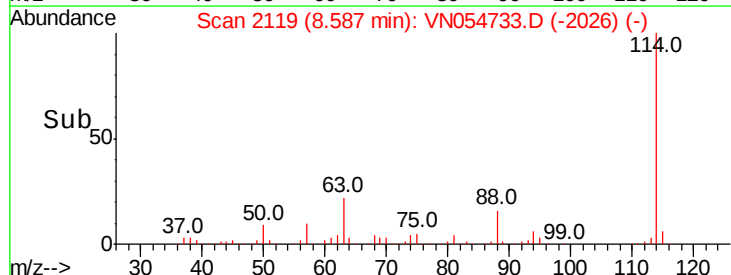
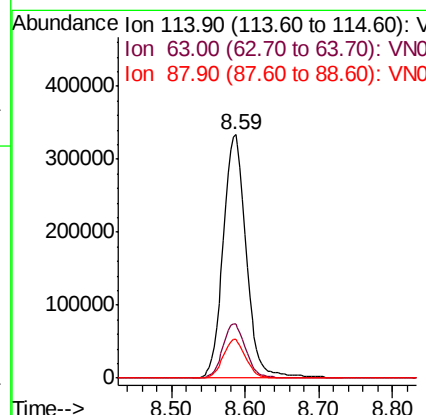
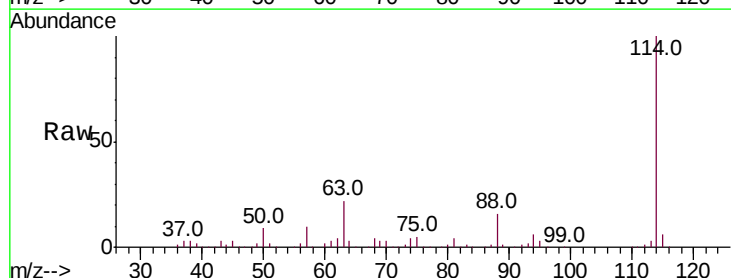
Manual Integrations
 APPROVED

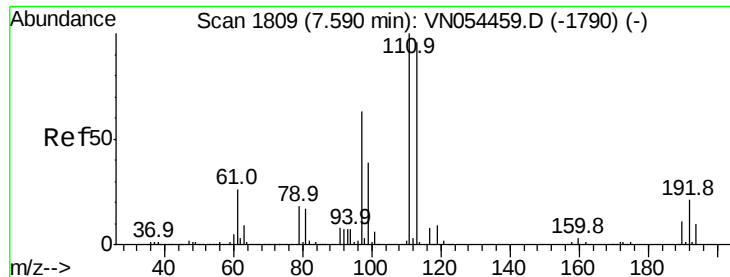
MMDadoda
 3/29/2019 9:49:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	727785		
63	22.1	0.0	35.2	
88	16.1	0.0	30.2	





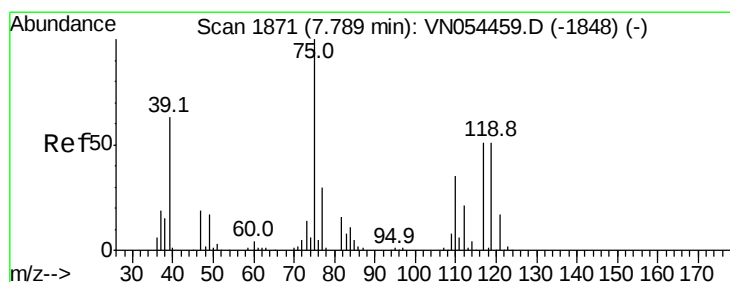
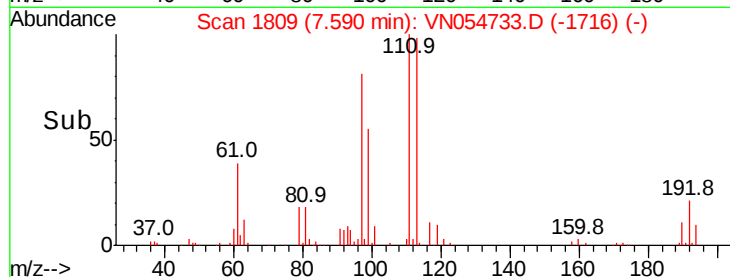
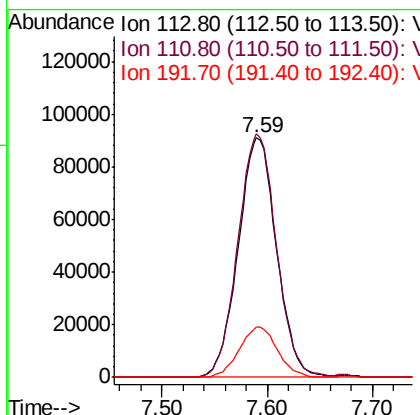
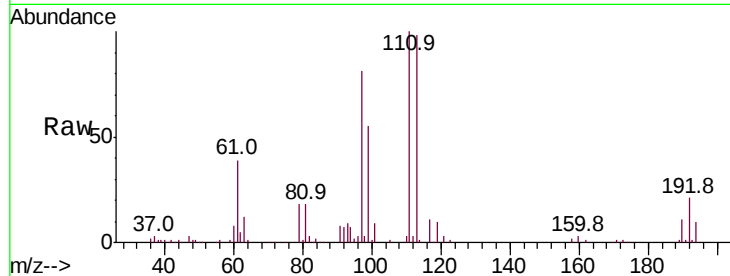
#35
 Dibromofluoromethane
 Concen: 49.042 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	82.2	123.4	
192	20.9	19.2	28.8	

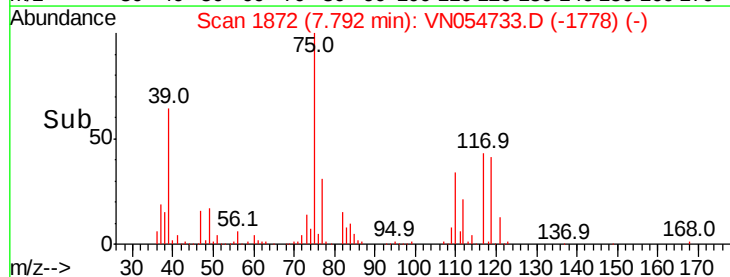
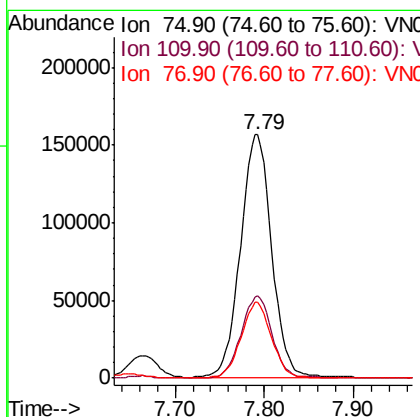
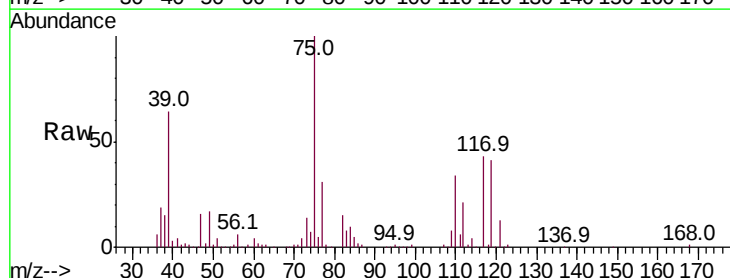
Manual Integrations
 APPROVED

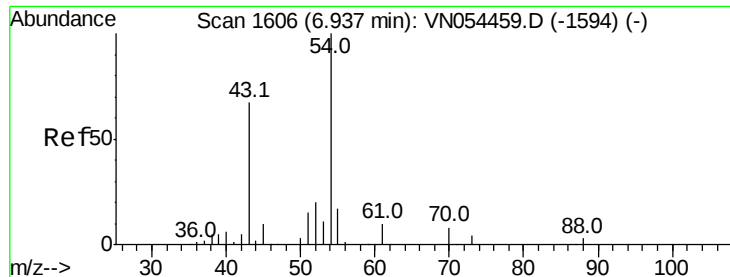
MMDadoda
 3/29/2019 9:49:22 AM



#36
 1,1-Dichloropropene
 Concen: 55.484 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	19.1	57.5	
77	30.9	25.0	37.4	





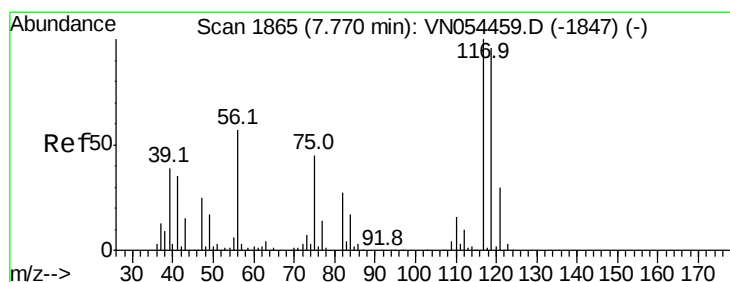
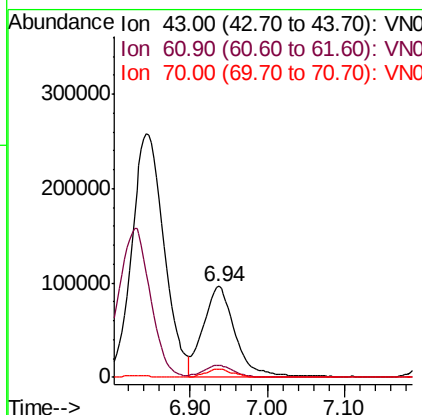
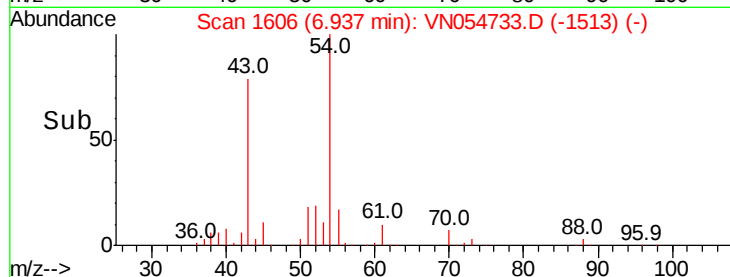
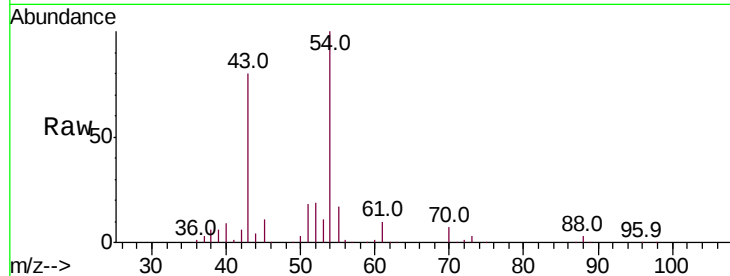
#37
Ethyl Acetate
Concen: 56.523 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.8	17.6
70	8.3	8.4	12.6

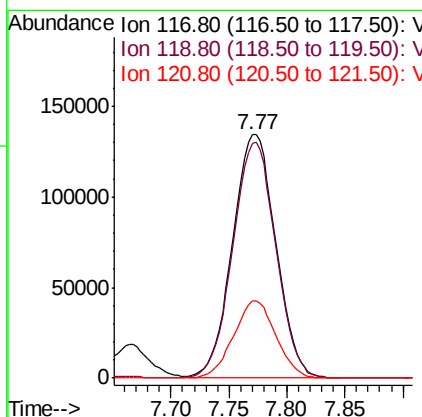
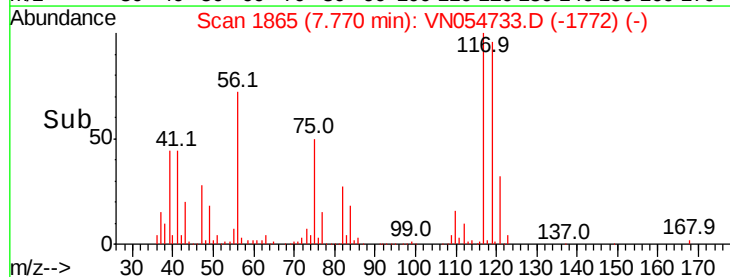
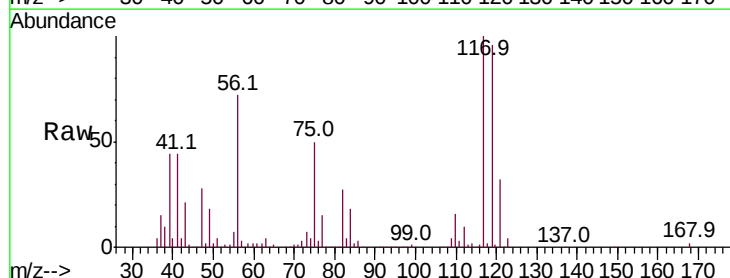
Manual Integrations
APPROVED

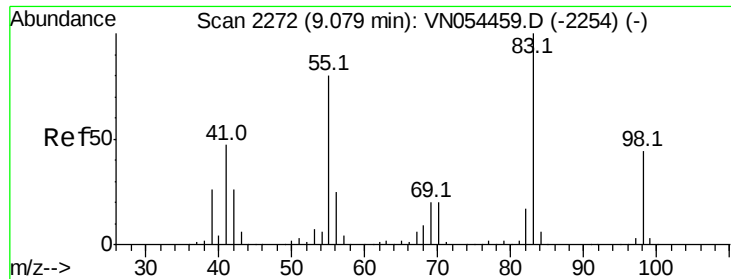
MMDadoda
3/29/2019 9:49:22 AM



#38
Carbon Tetrachloride
Concen: 52.689 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.3	114.5
121	31.4	24.6	36.8





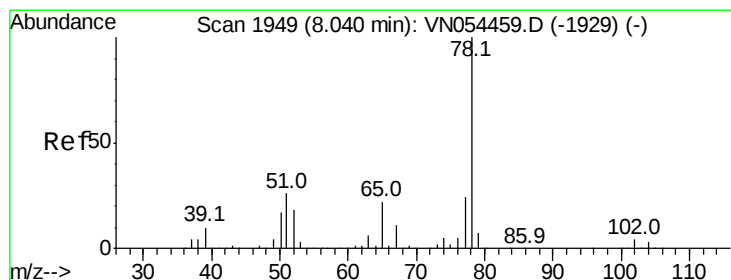
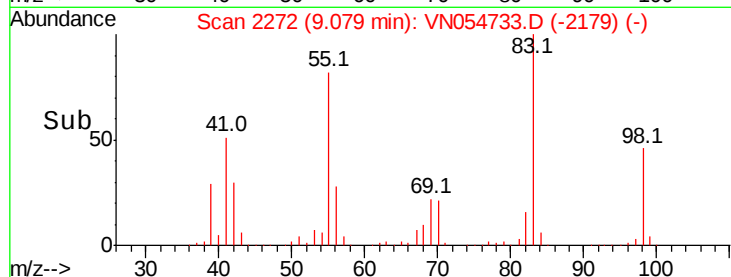
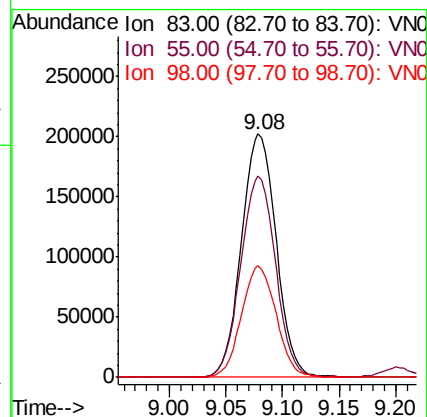
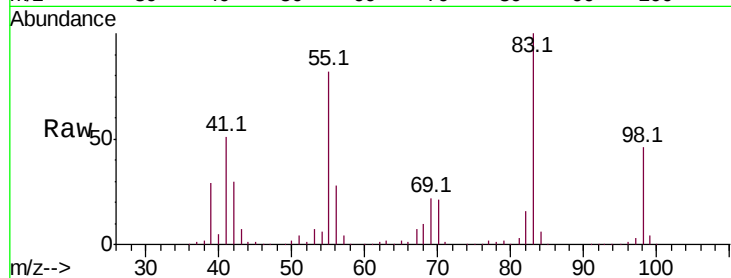
#39
Methvlcvclohexane
Concen: 55.722 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	56.6	84.8
98	45.7	38.4	57.6

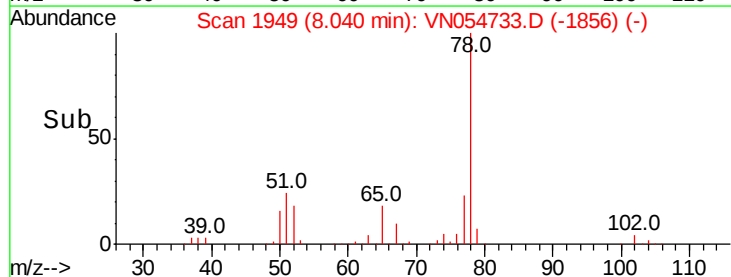
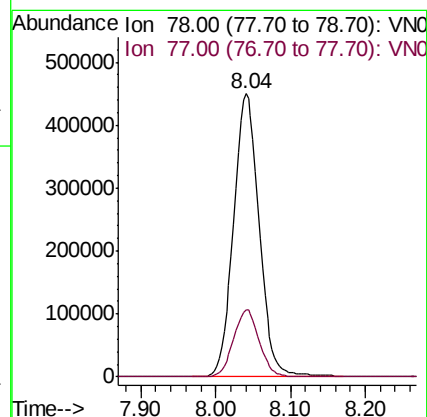
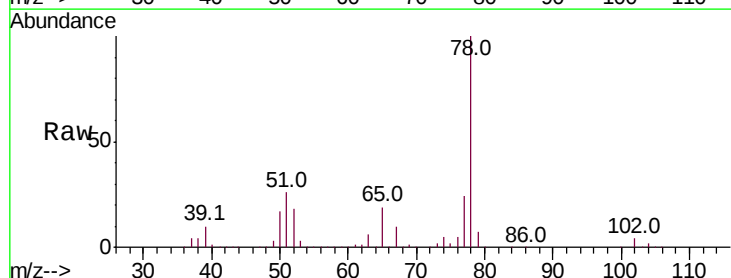
Manual Integrations
APPROVED

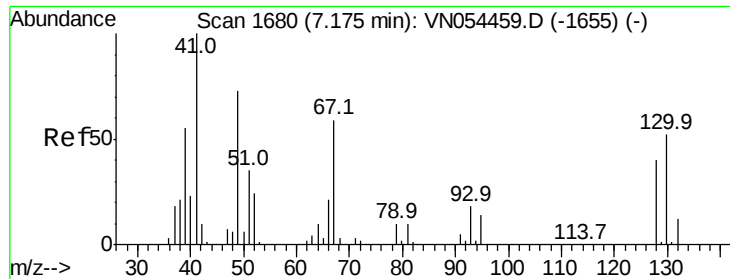
MMDadoda
3/29/2019 9:49:22 AM



#40
Benzene
Concen: 55.124 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





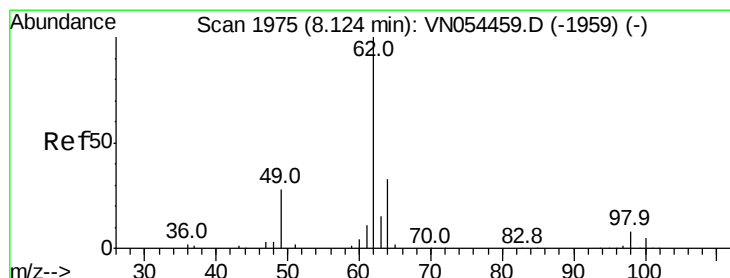
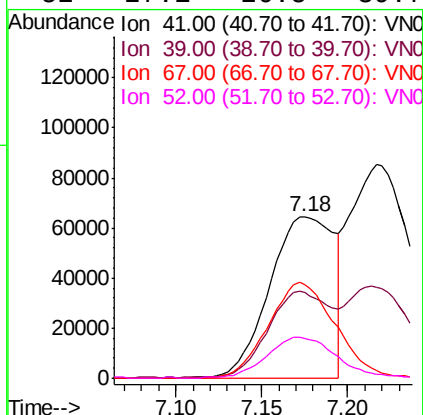
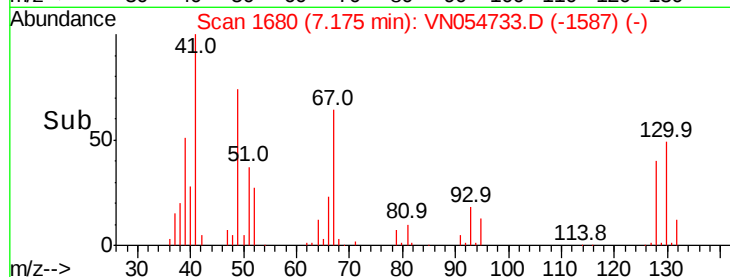
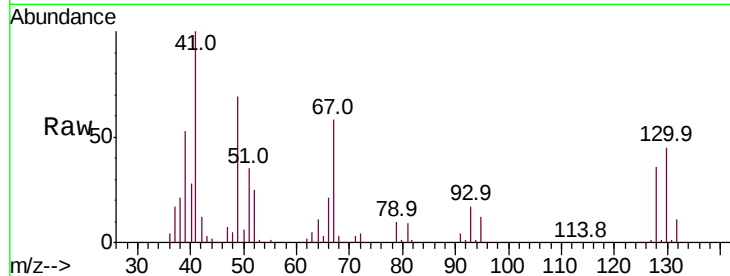
#41
Methacrylonitrile
Concen: 56.657 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.7	46.8	70.2
67	62.7	67.0	100.4
52	27.1	26.5	39.7

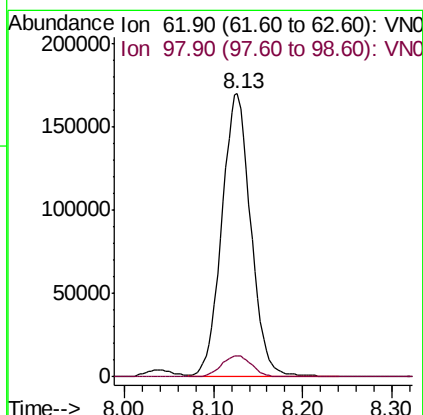
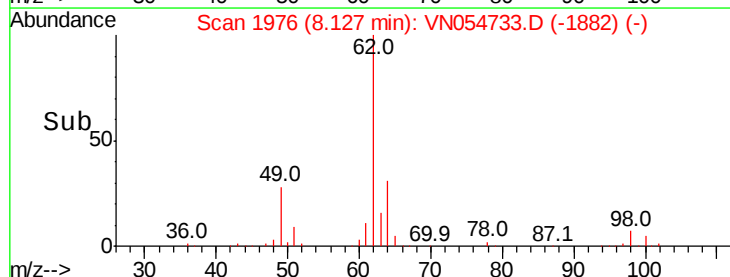
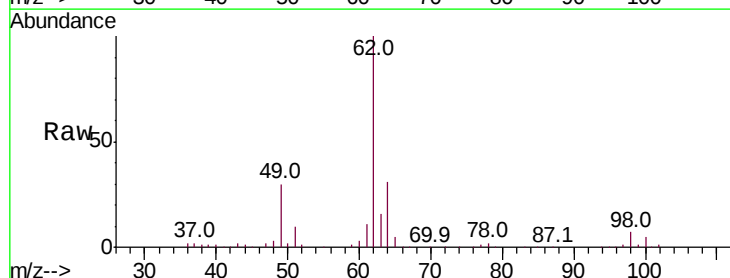
Manual Integrations
APPROVED

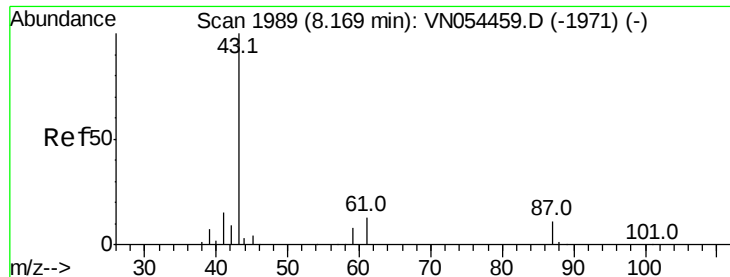
MMDadoda
3/29/2019 9:49:22 AM



#42
1,2-Dichloroethane
Concen: 53.804 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	18.4





#43

Isopropyl Acetate

Concen: 56.446 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

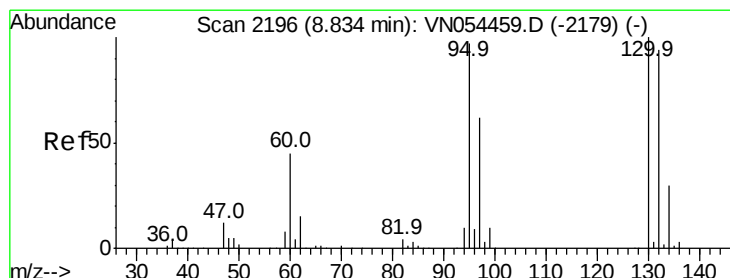
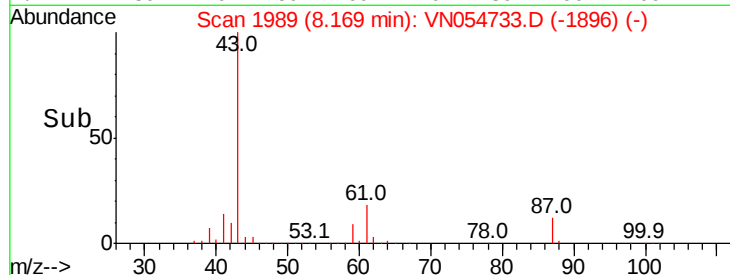
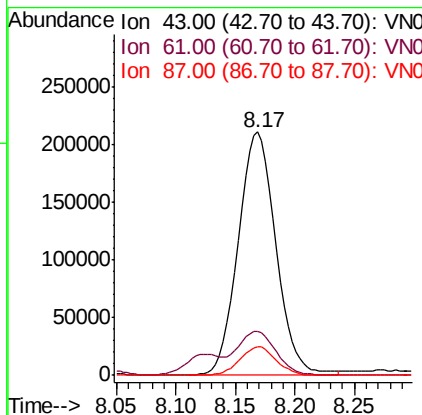
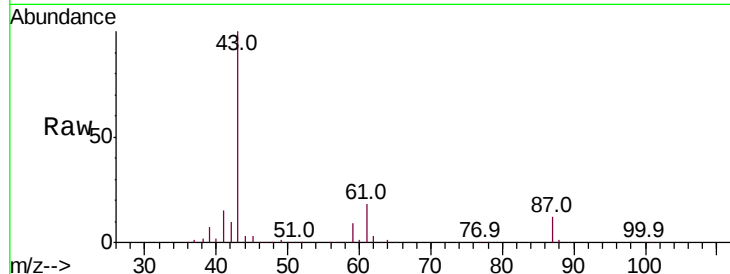
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	461376
Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.8	23.8
87	11.4	12.0	18.0#

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



#44

Trichloroethene

Concen: 51.917 ug/l

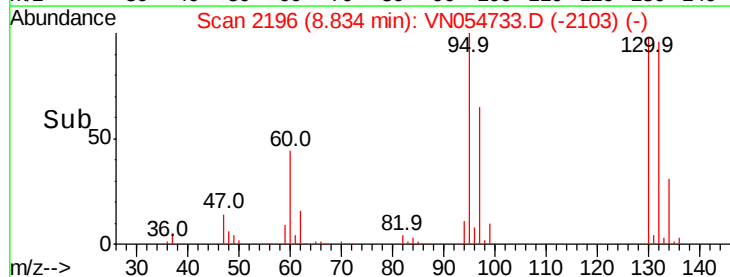
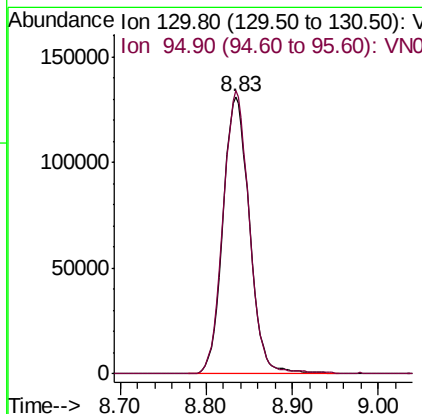
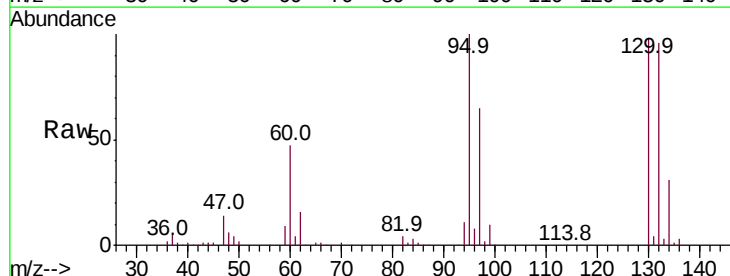
RT: 8.83 min Scan# 2196

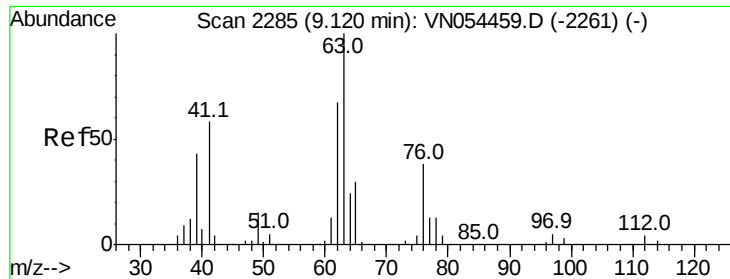
Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion:	130	Resp:	280870
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	185.2





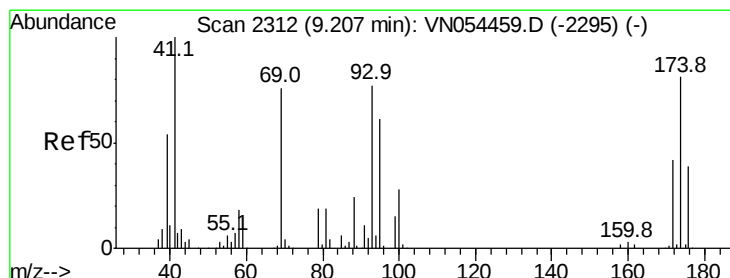
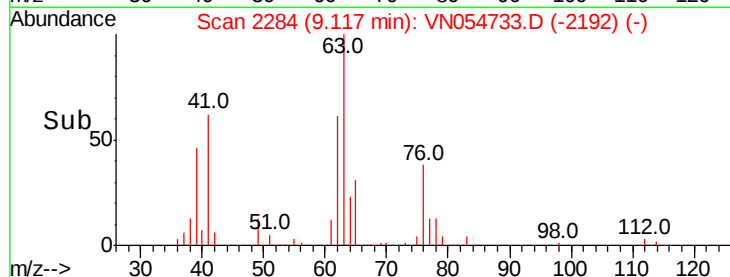
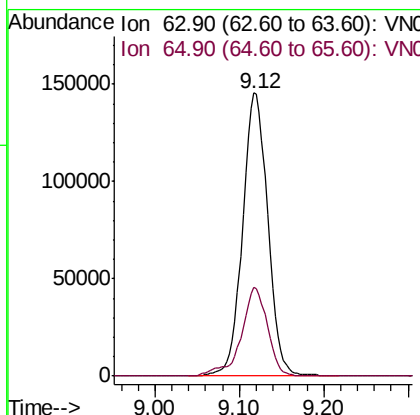
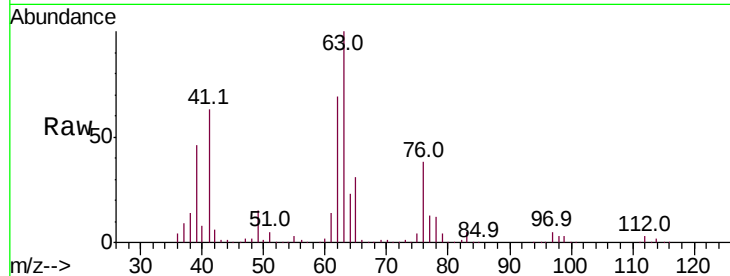
#45
 1,2-Dichloropropane
 Concen: 58.176 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 303975
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

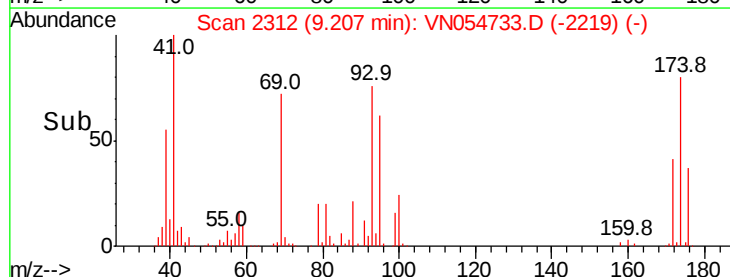
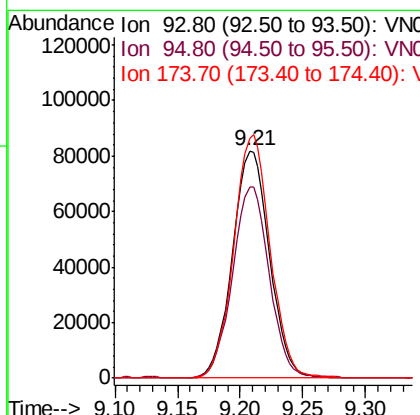
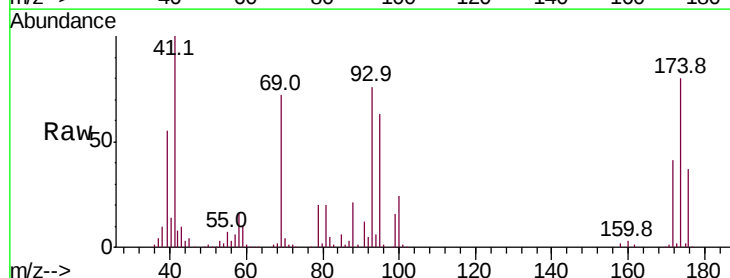
Manual Integrations
 APPROVED

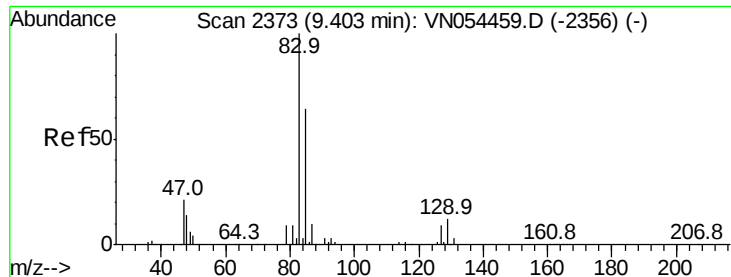
MMDadoda
 3/29/2019 9:49:22 AM



#46
 Dibromomethane
 Concen: 54.157 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion: 93 Resp: 168815
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 105.1 98.5 147.7





#47

Bromodichloromethane

Concen: 57.186 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

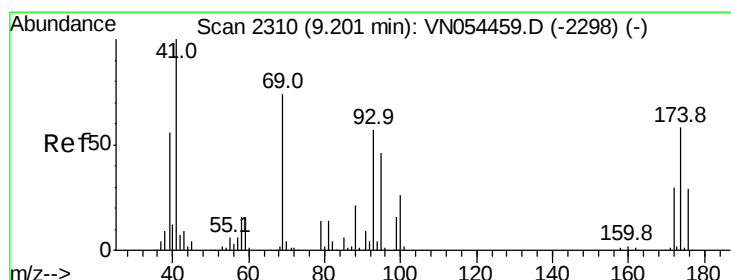
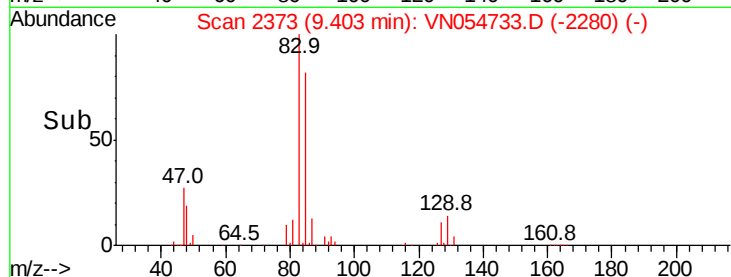
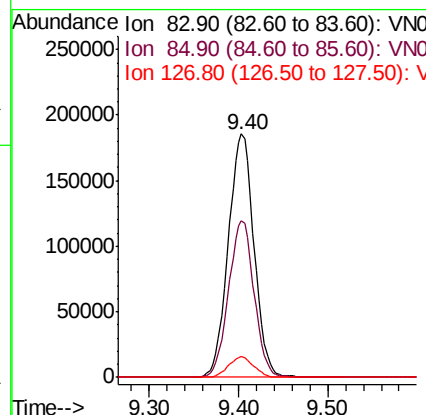
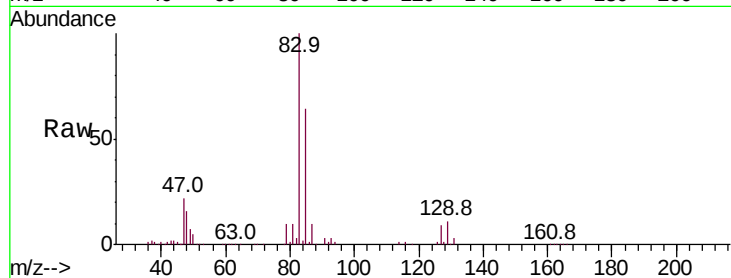
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	369949
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.8	79.2
127	8.5	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



#48

Methyl methacrylate

Concen: 51.773 ug/l

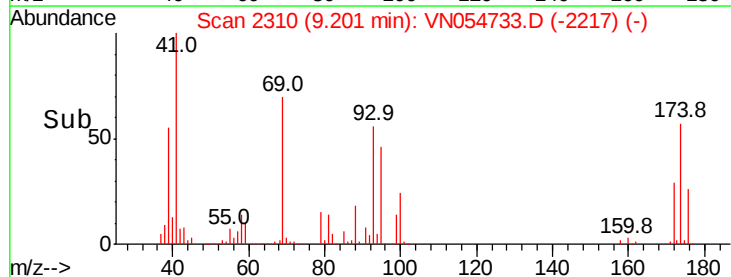
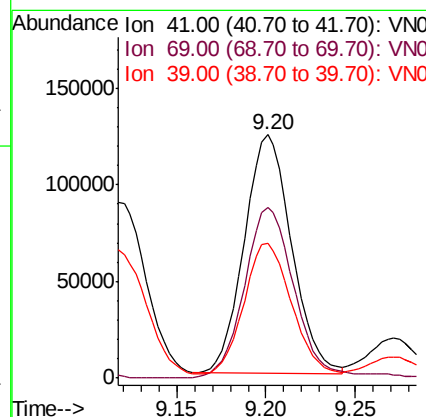
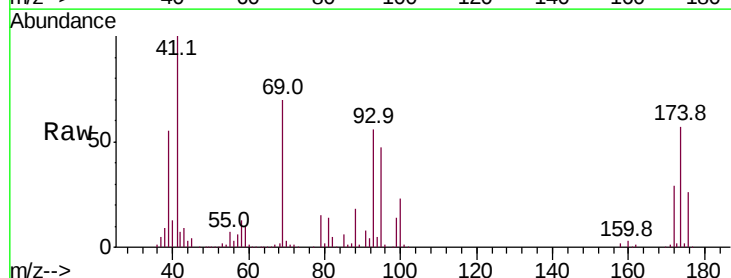
RT: 9.20 min Scan# 2310

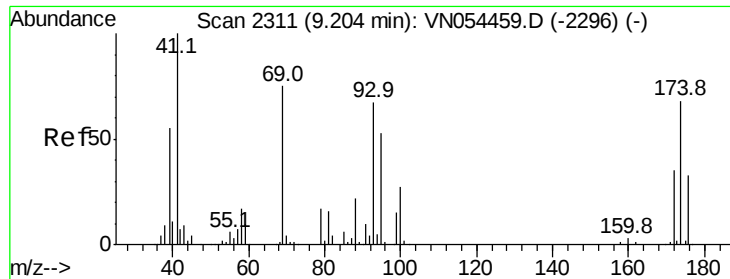
Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion:	41	Resp:	229686
Ion	Ratio	Lower	Upper
41	100		
69	74.8	72.6	108.8
39	57.6	47.5	71.3





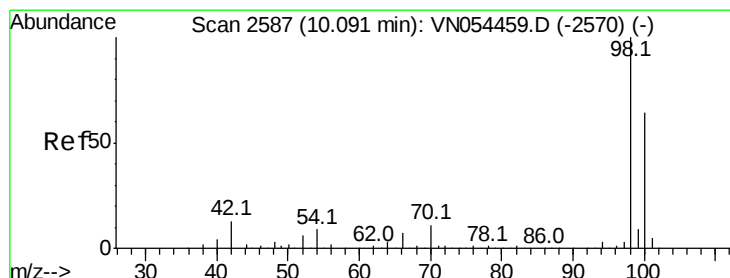
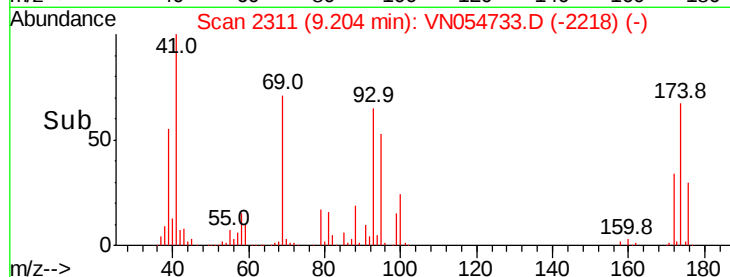
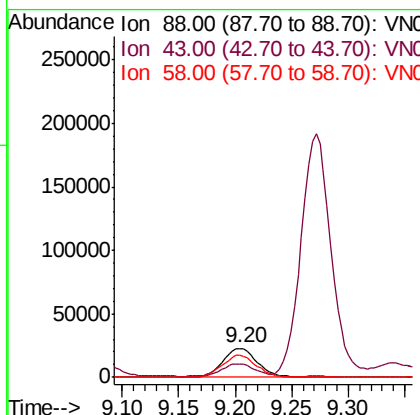
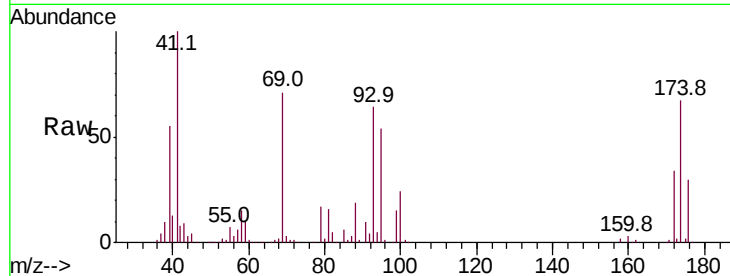
#49
1,4-Dioxane
Concen: 991.052 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 49153
Ion Ratio Lower Upper
88 100
43 40.1 24.1 36.1#
58 75.1 50.8 76.2

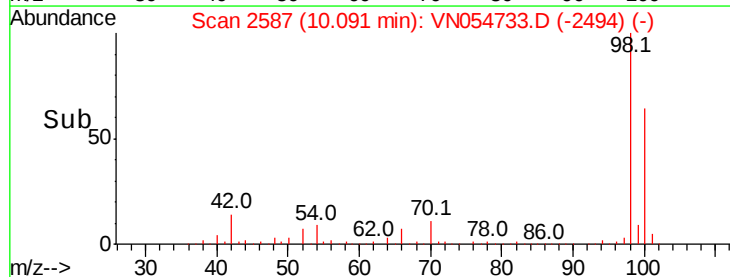
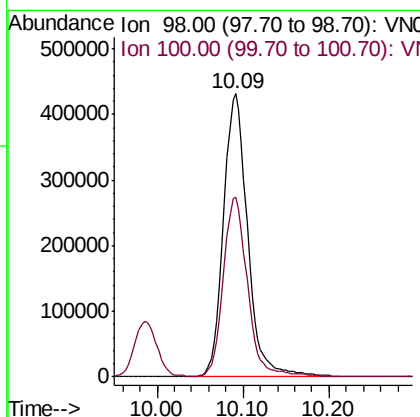
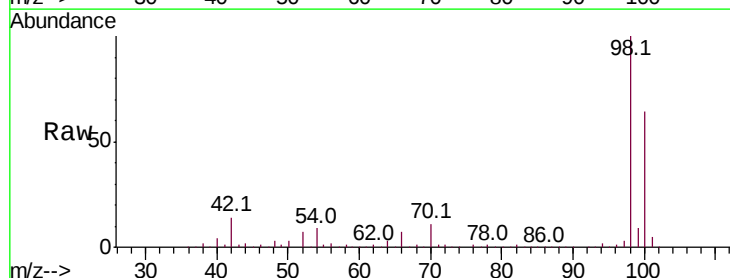
Manual Integrations
APPROVED

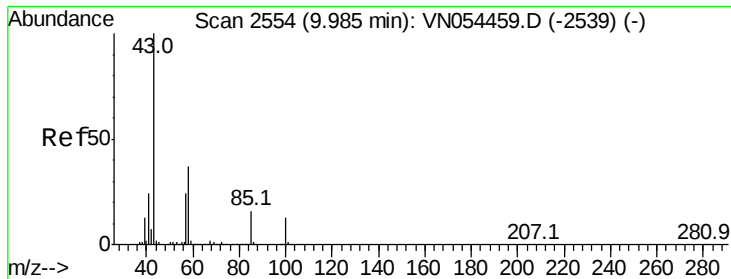
MMDadoda
3/29/2019 9:49:22 AM



#50
Toluene-d8
Concen: 48.097 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 98 Resp: 847790
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 289.313 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1310574

Ion Ratio Lower Upper

43 100

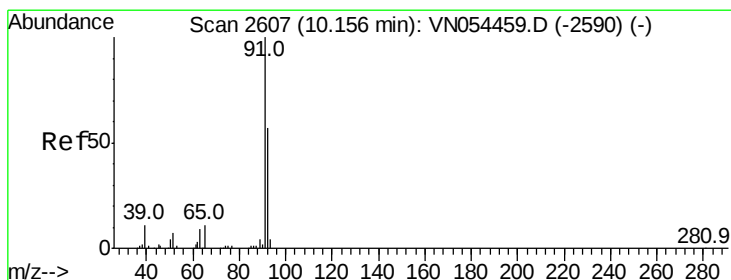
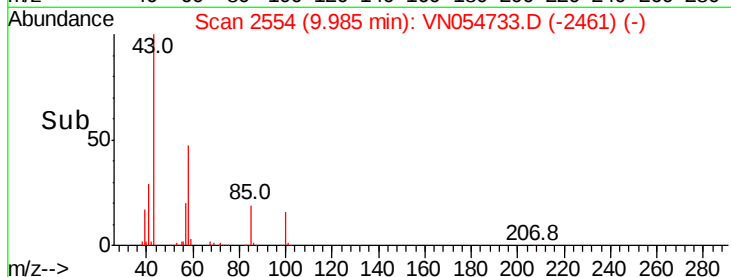
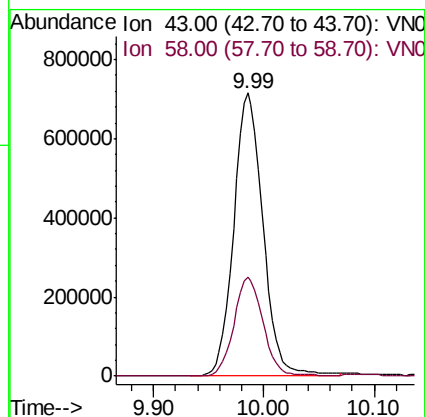
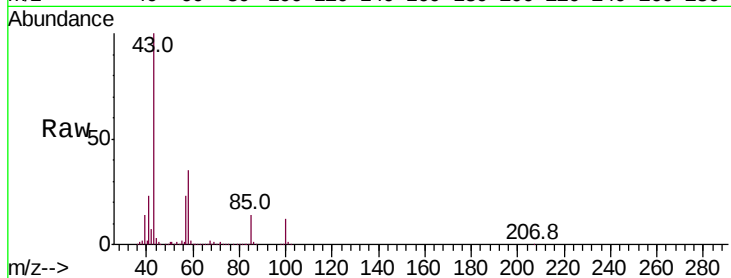
58 34.9 31.8 47.6

Manual Integrations

APPROVED

MMDadoda

3/29/2019 9:49:22 AM



#52

Toluene

Concen: 54.712 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054733.D

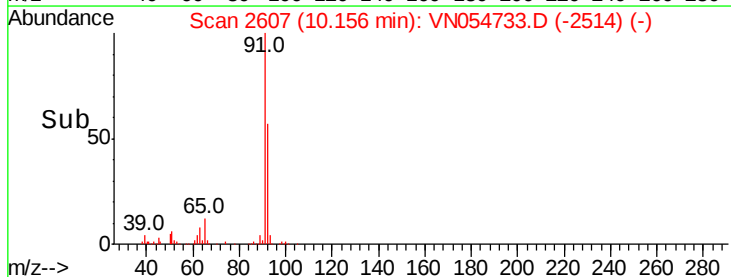
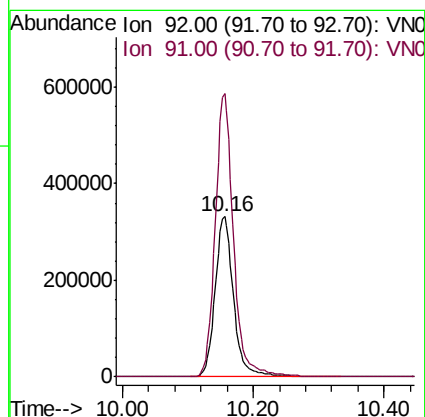
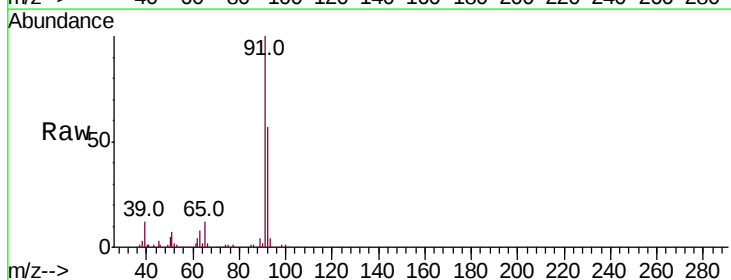
Acq: 28 Mar 2019 10:13

Tgt Ion: 92 Resp: 654801

Ion Ratio Lower Upper

92 100

91 174.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 52.477 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 358910

Ion Ratio Lower Upper

75 100

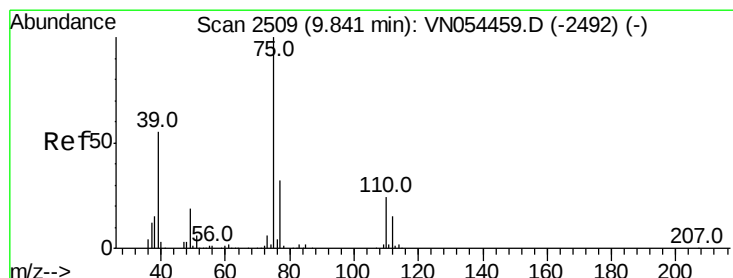
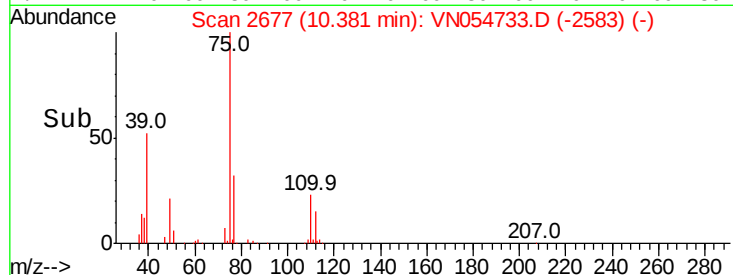
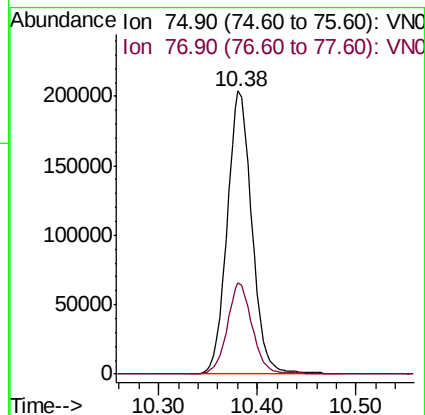
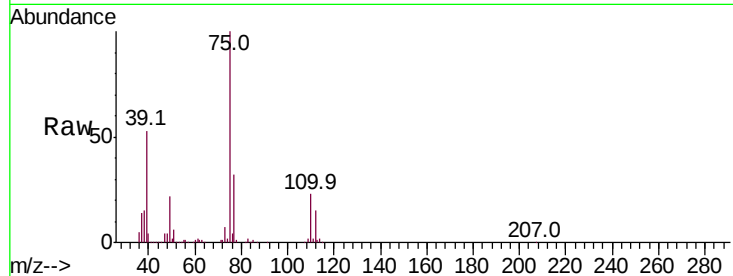
77 31.9 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

3/29/2019 9:49:22 AM



#54

cis-1,3-Dichloropropene

Concen: 59.052 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

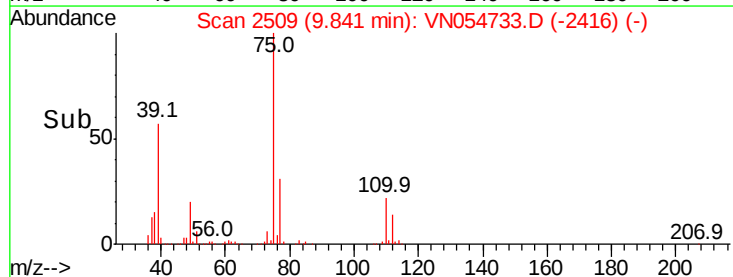
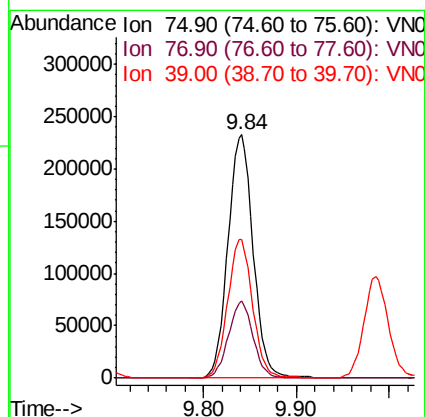
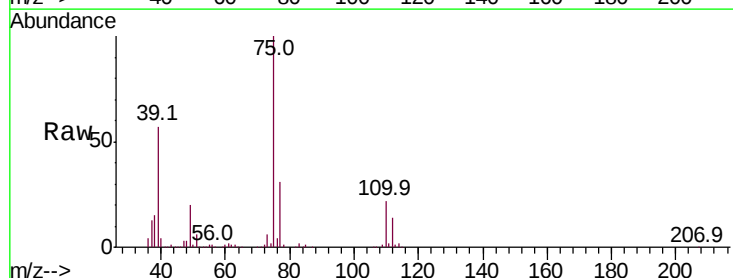
Tgt Ion: 75 Resp: 438029

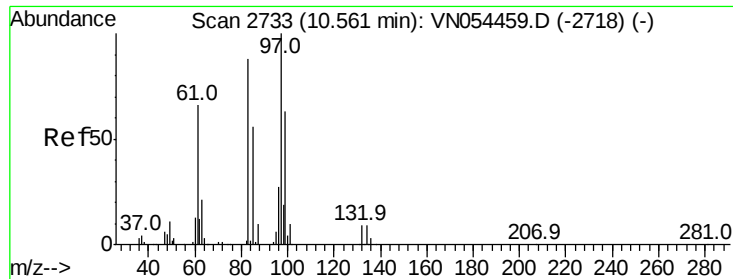
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 56.6 37.2 55.8#





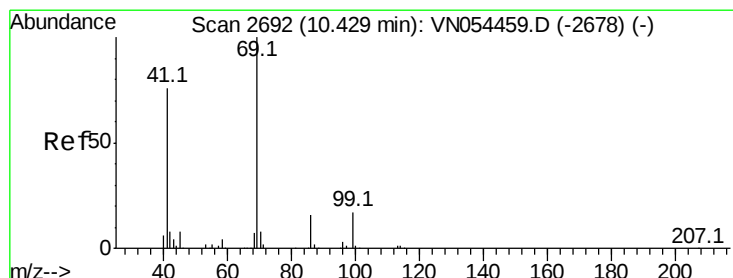
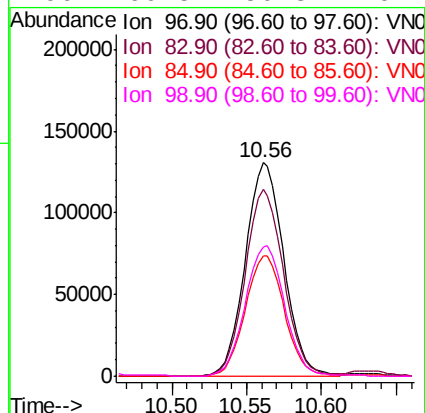
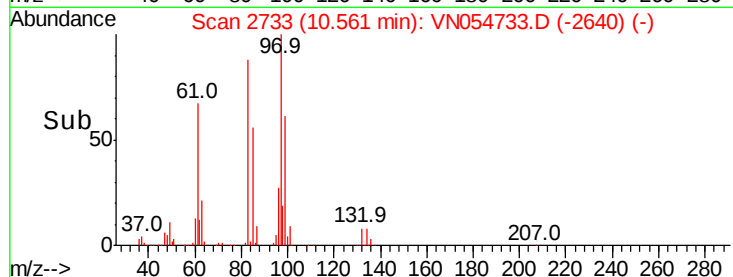
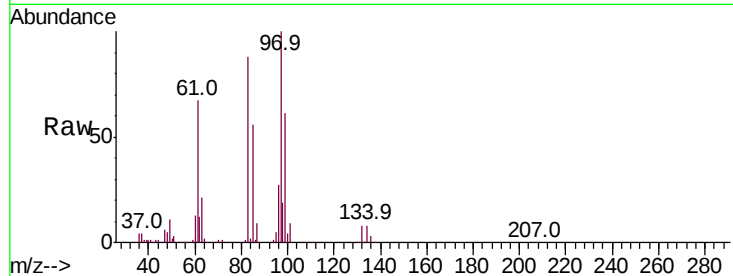
#55
 1,1,2-Trichloroethane
 Concen: 54.452 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.6	100.0
85	56.3	44.4	66.6
99	60.5	50.8	76.2

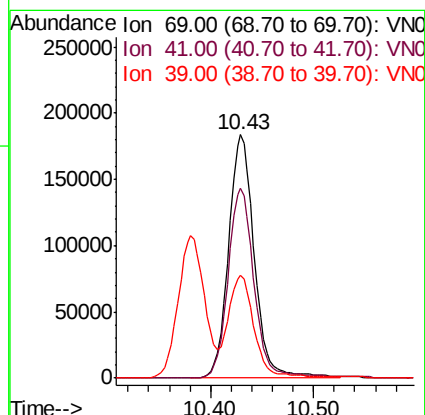
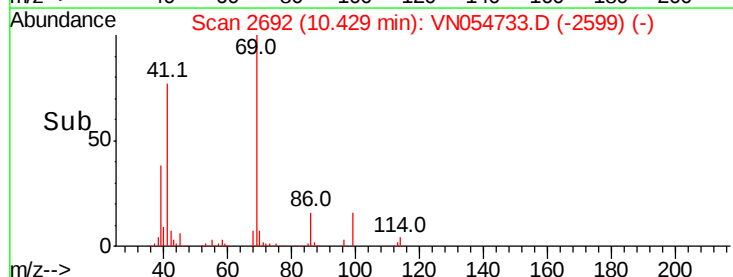
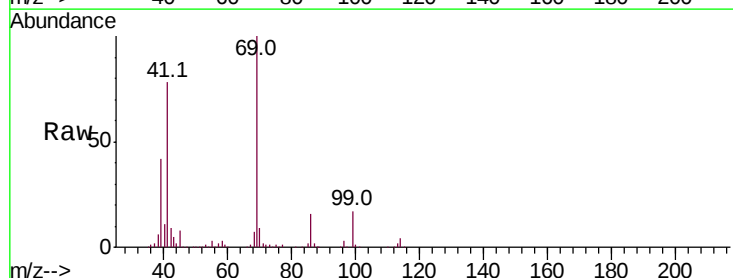
Manual Integrations
 APPROVED

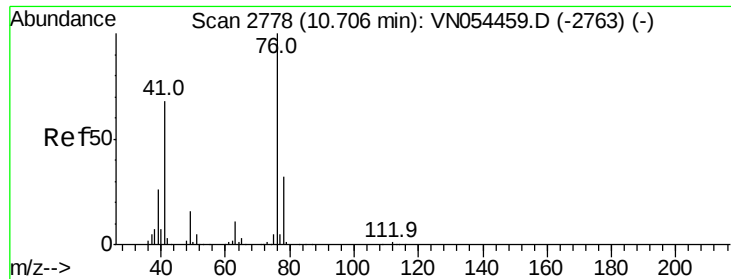
MMDadoda
 3/29/2019 9:49:22 AM



#56
 Ethyl methacrylate
 Concen: 55.396 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.4	49.4	74.2#
39	41.5	28.3	42.5





#57

1,3-Dichloropropane

Concen: 54.783 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 409689

Ion Ratio Lower Upper

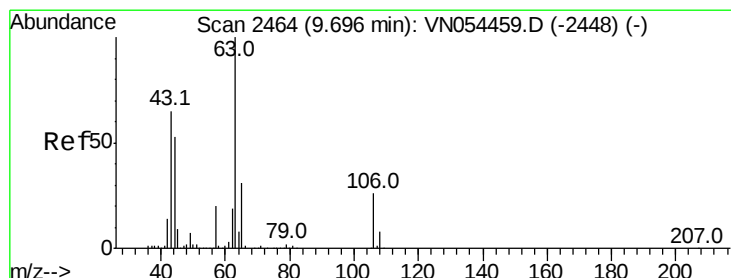
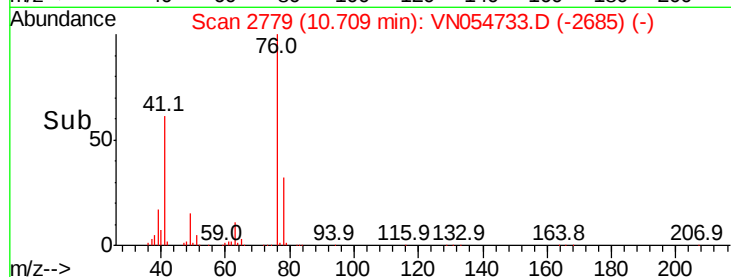
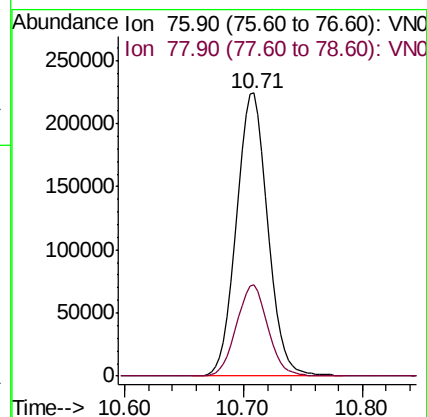
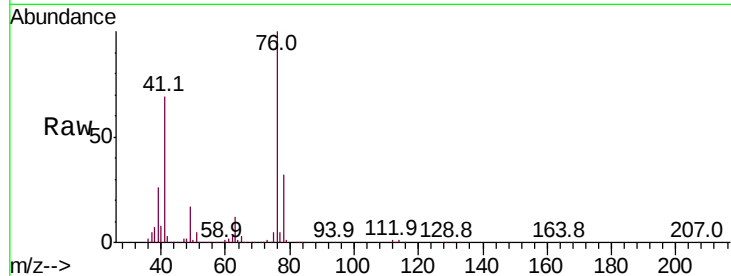
76 100

78 32.7 25.7 38.5

Manual Integrations
APPROVED

MMDadoda

3/29/2019 9:49:22 AM



#58

2-Chloroethyl Vinyl ether

Concen: 249.394 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054733.D

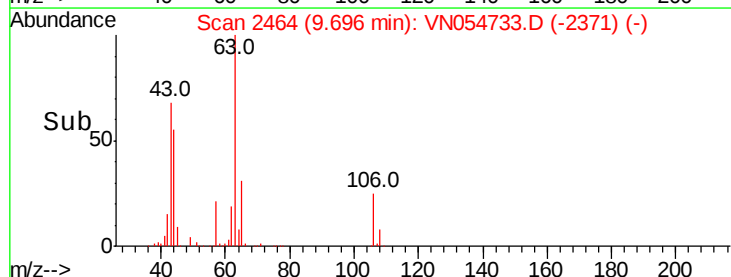
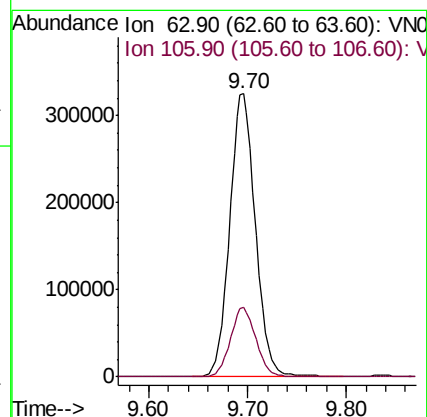
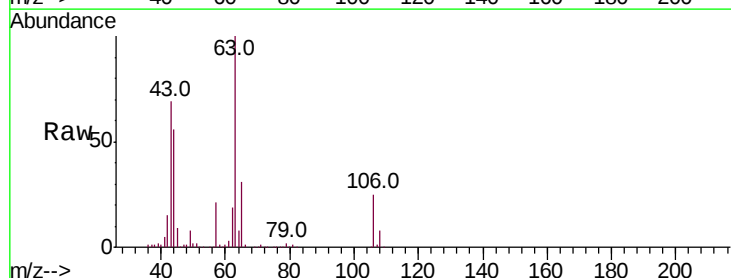
Acq: 28 Mar 2019 10:13

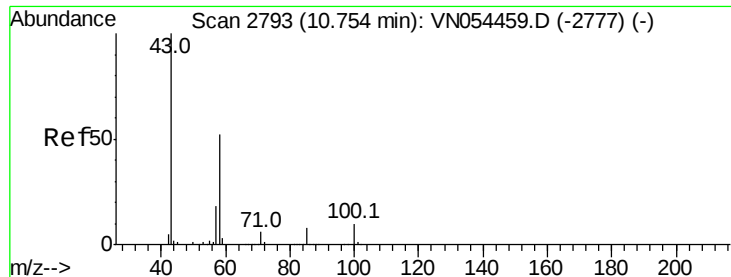
Tgt Ion: 63 Resp: 592988

Ion Ratio Lower Upper

63 100

106 24.3 24.4 36.6#





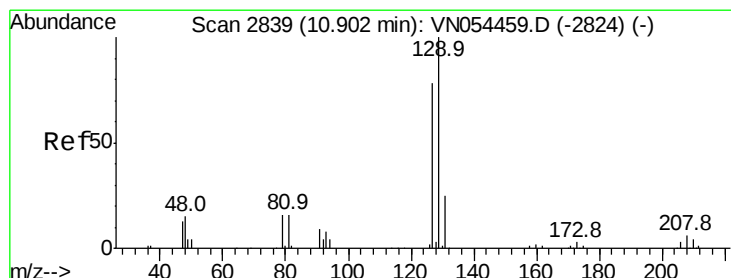
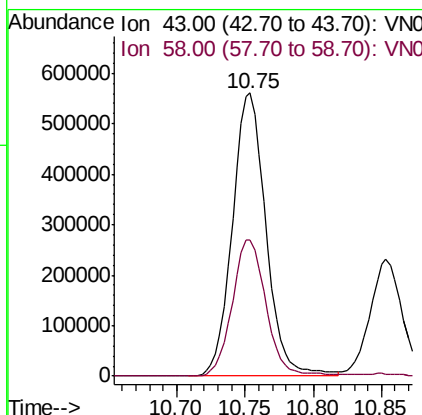
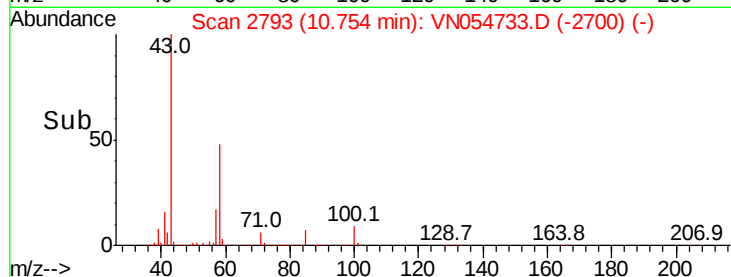
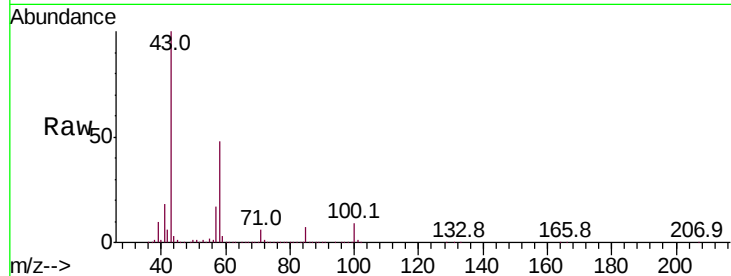
#59
2-Hexanone
Concen: 323.604 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 957517
Ion Ratio Lower Upper
43 100
58 48.8 28.0 83.9

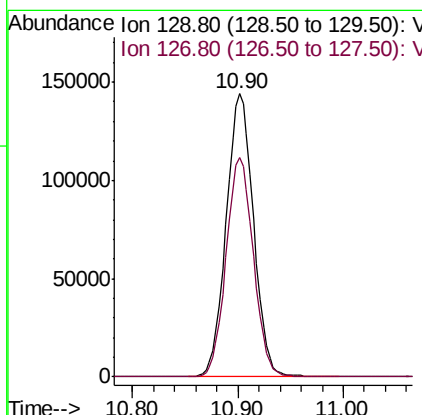
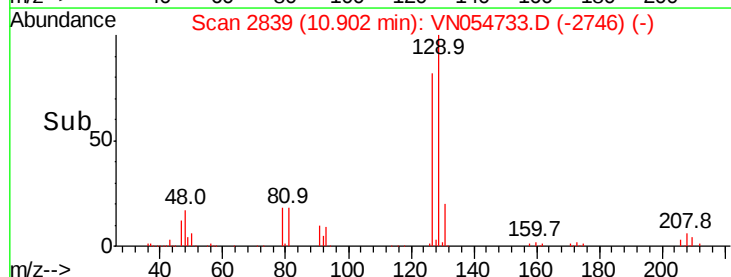
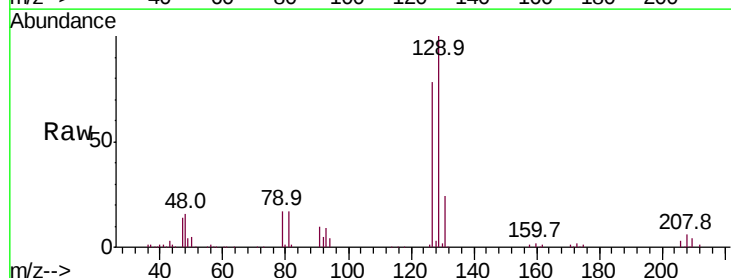
Manual Integrations
APPROVED

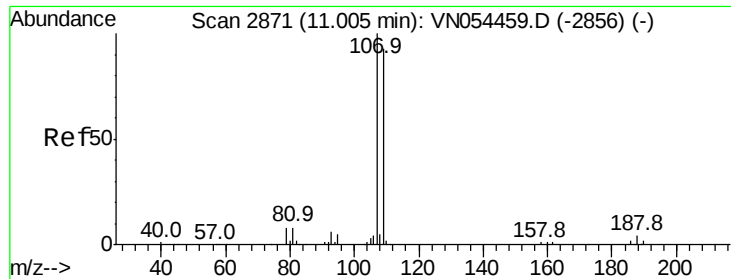
MMDadoda
3/29/2019 9:49:22 AM



#60
Dibromochloromethane
Concen: 56.293 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 129 Resp: 257699
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.765 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 228668

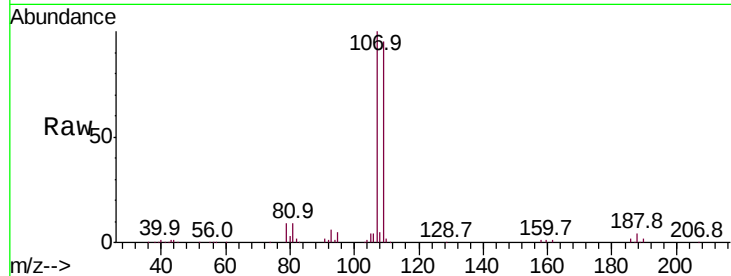
Ion Ratio Lower Upper

107 100

109 94.8 75.9 113.9

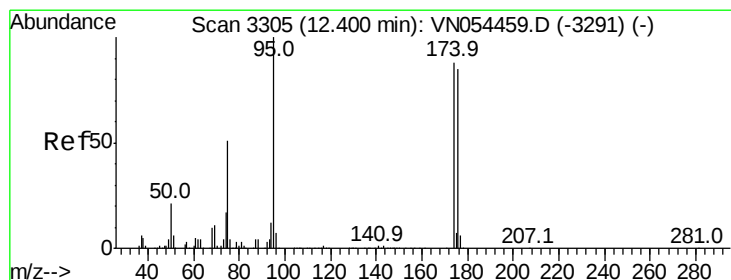
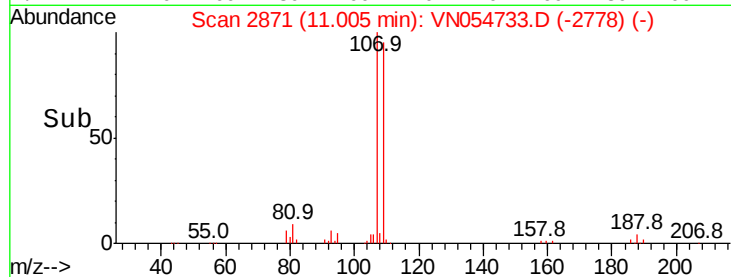
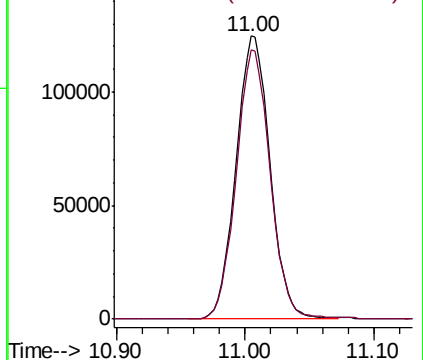
Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.430 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

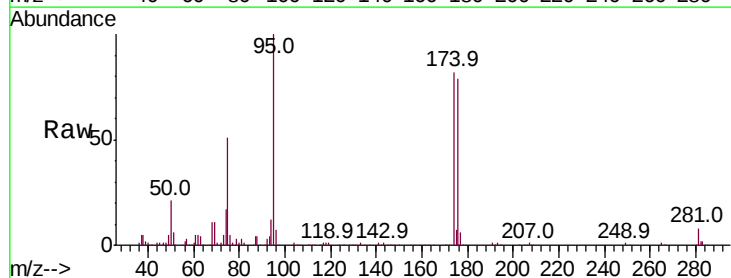
Tgt Ion: 95 Resp: 302484

Ion Ratio Lower Upper

95 100

174 82.7 0.0 191.0

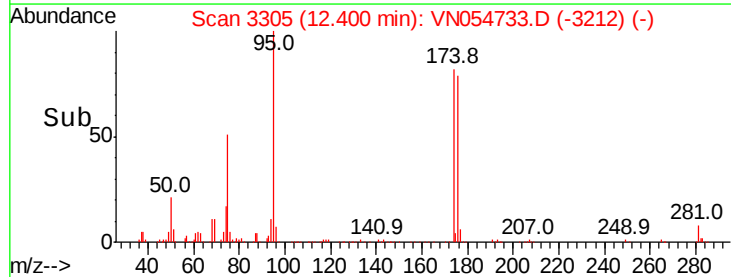
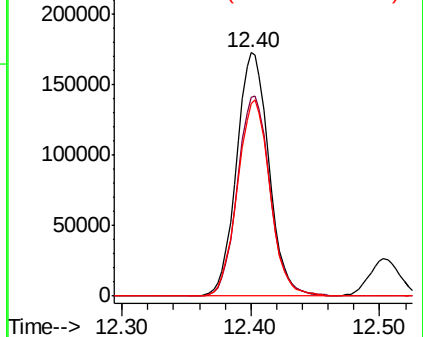
176 80.8 0.0 187.4

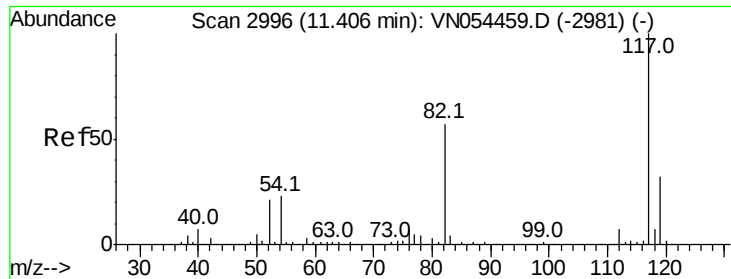


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





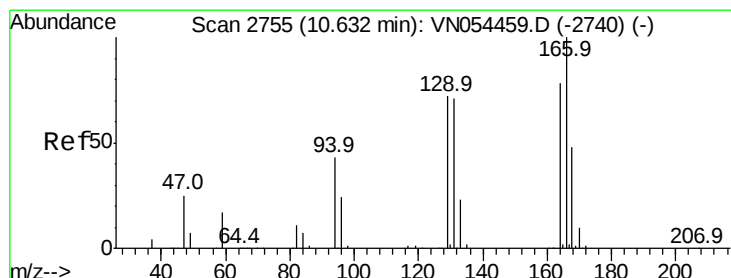
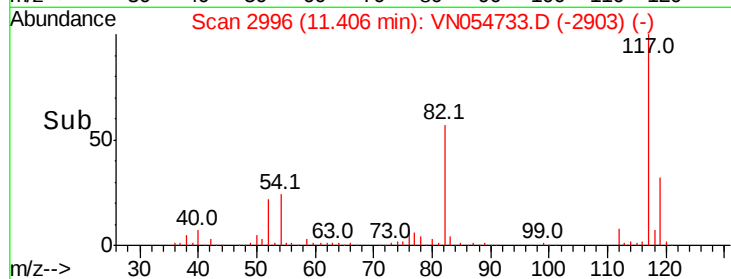
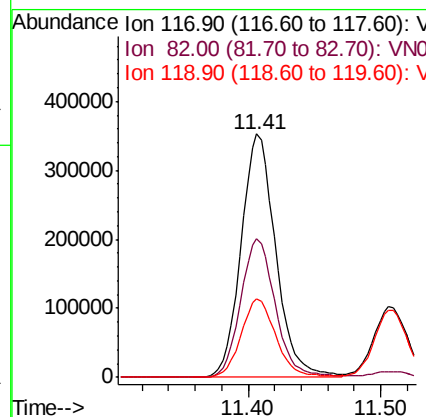
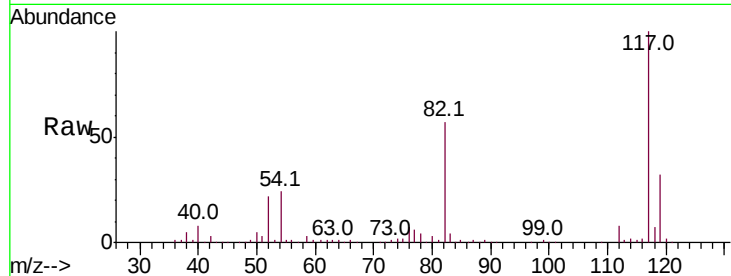
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	40.0	60.0
119	32.2	25.8	38.6

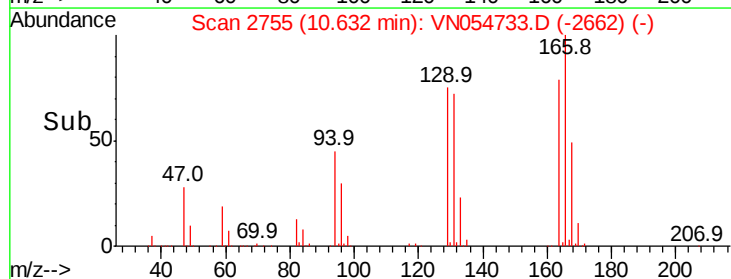
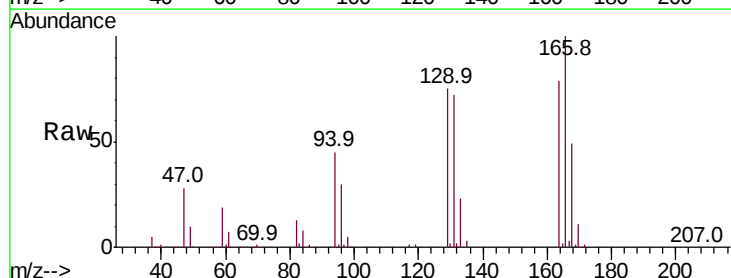
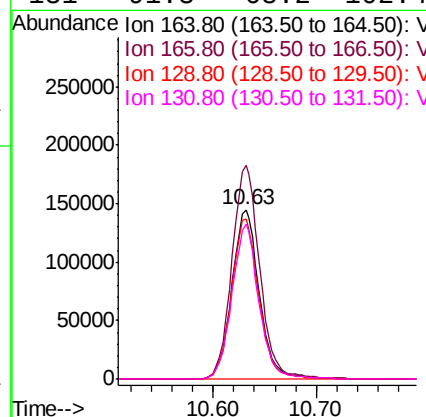
Manual Integrations
APPROVED

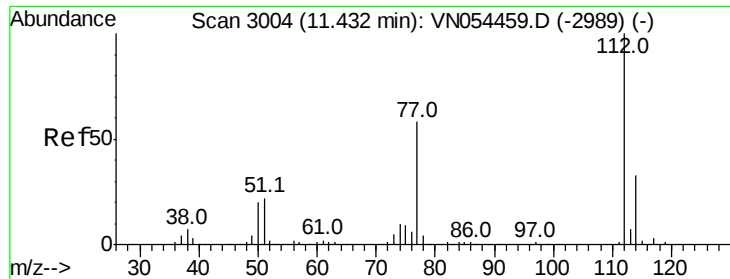
MMDadoda
3/29/2019 9:49:22 AM



#64
Tetrachloroethene
Concen: 50.410 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.9	155.9
129	94.6	71.1	106.7
131	91.3	68.2	102.4





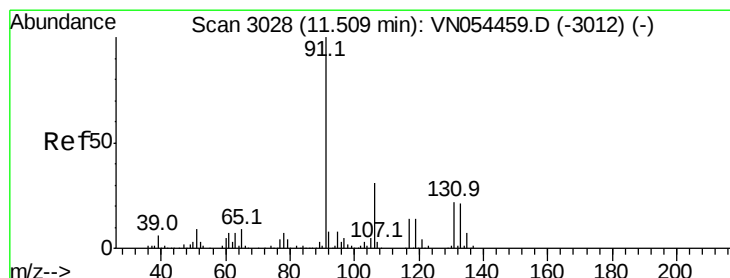
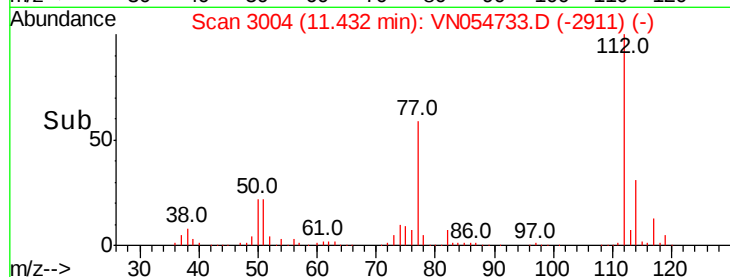
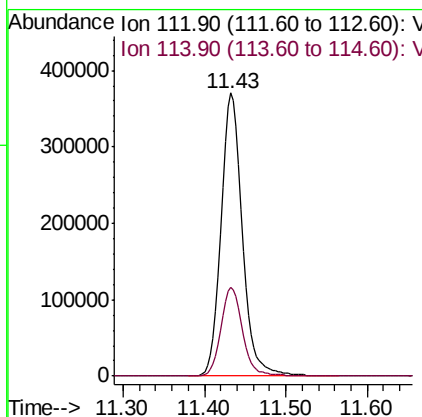
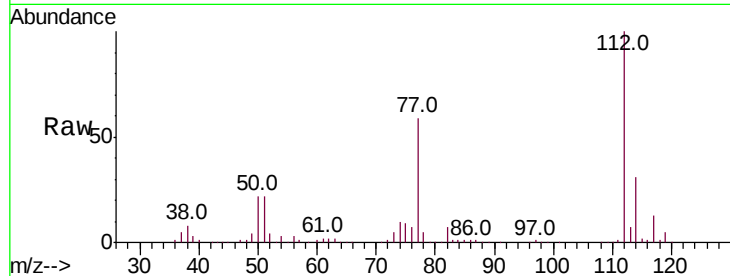
#65
Chlorobenzene
Concen: 52.700 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 687366
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9

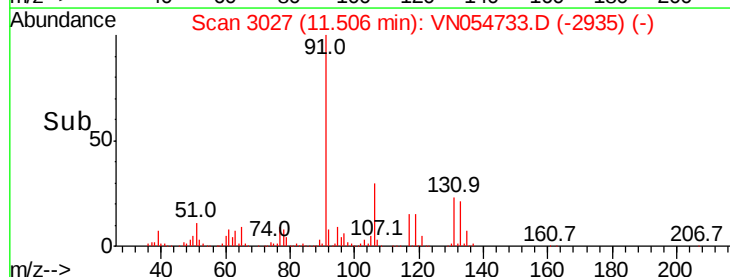
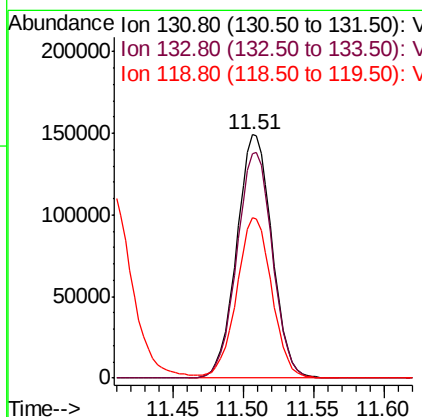
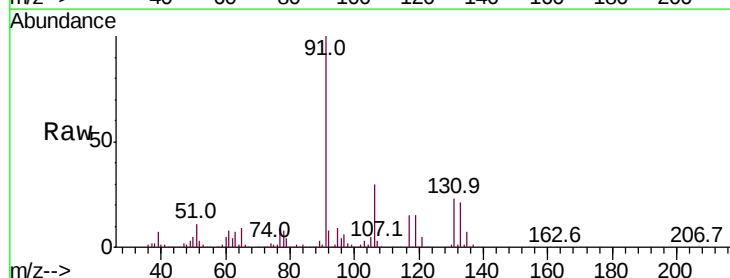
Manual Integrations
APPROVED

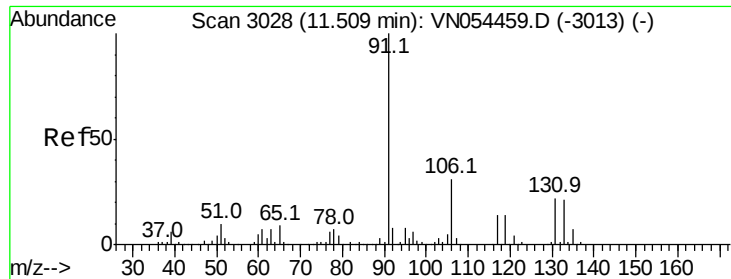
MMDadoda
3/29/2019 9:49:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.802 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion:131 Resp: 261239
Ion Ratio Lower Upper
131 100
133 93.6 47.6 142.9
119 65.6 32.4 97.0





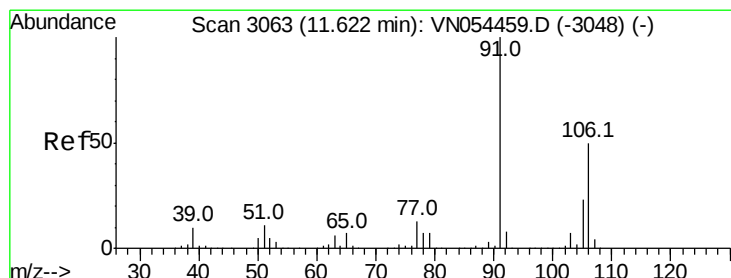
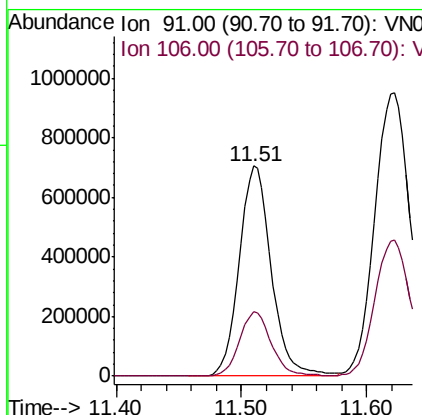
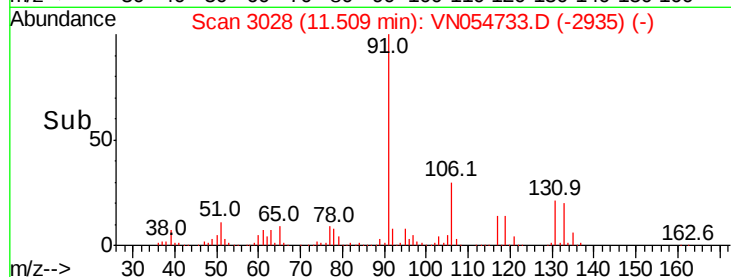
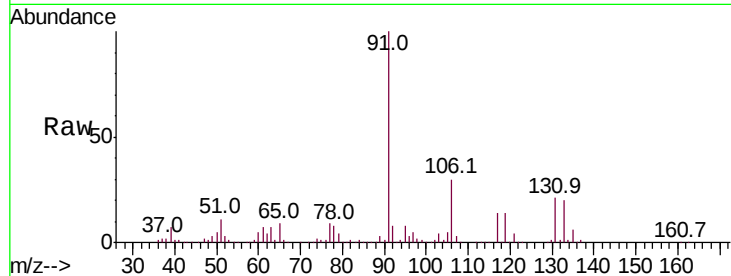
#67
Ethyl Benzene
Concen: 54.487 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1255362
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3

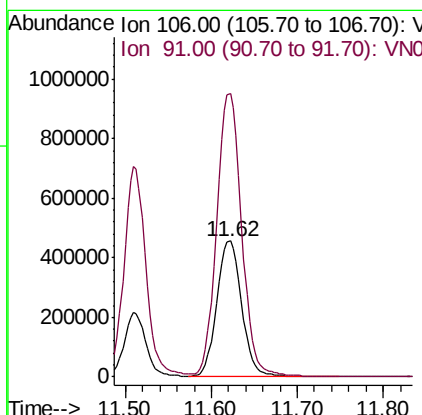
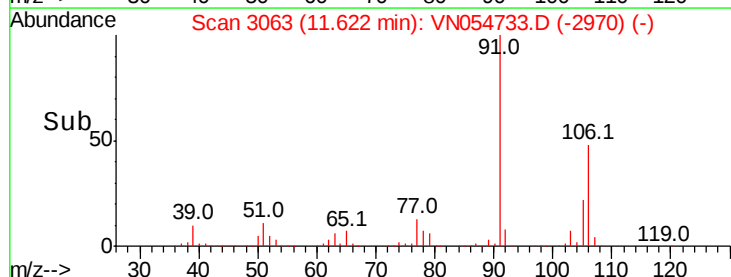
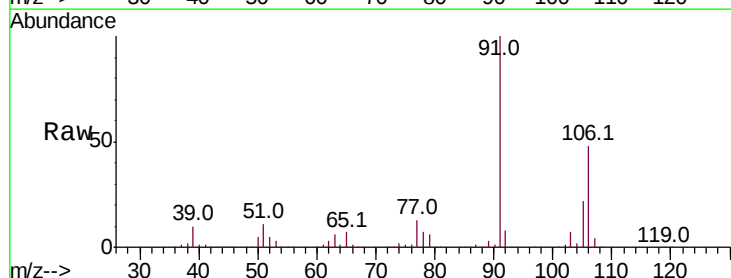
Manual Integrations
APPROVED

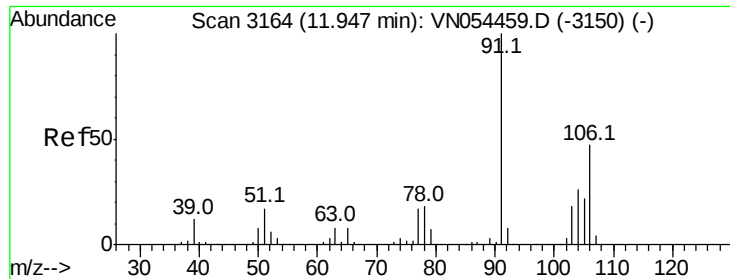
MMDadoda
3/29/2019 9:49:22 AM



#68
m/p-Xylenes
Concen: 106.173 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion: 106 Resp: 926543
Ion Ratio Lower Upper
106 100
91 208.3 159.4 239.2





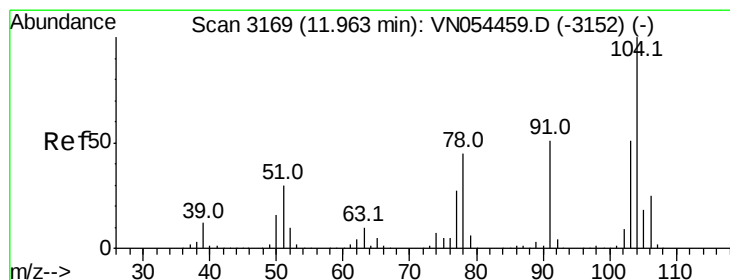
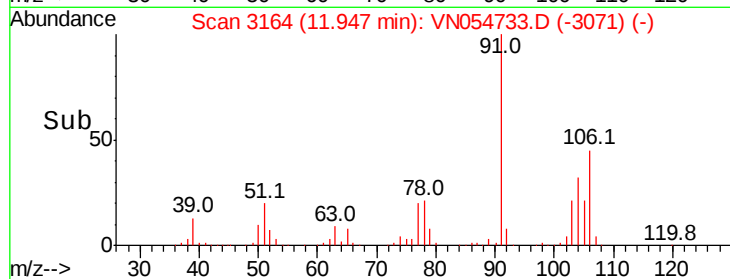
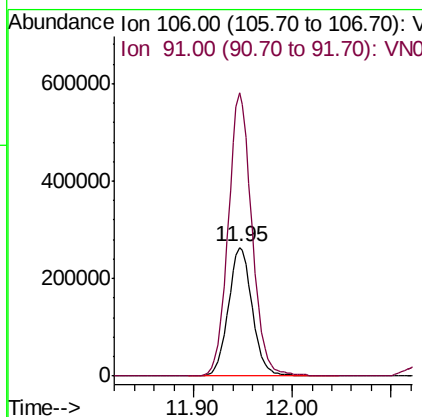
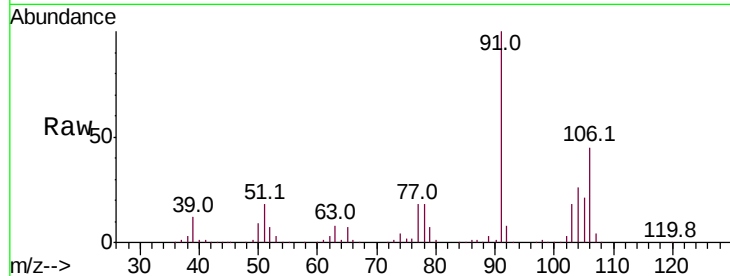
#69
o-Xylene
Concen: 52.570 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 448029
Ion Ratio Lower Upper
106 100
91 218.0 105.7 317.1

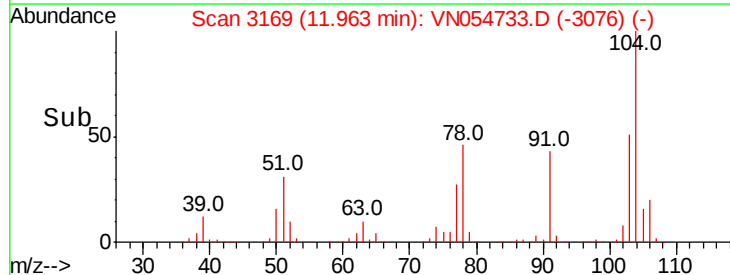
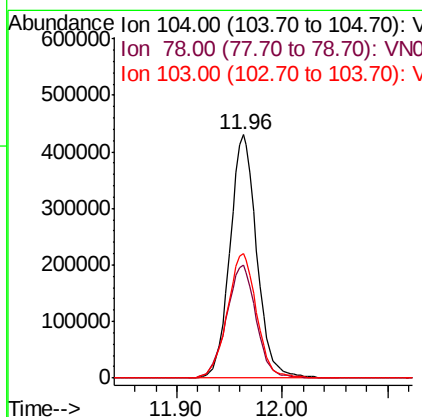
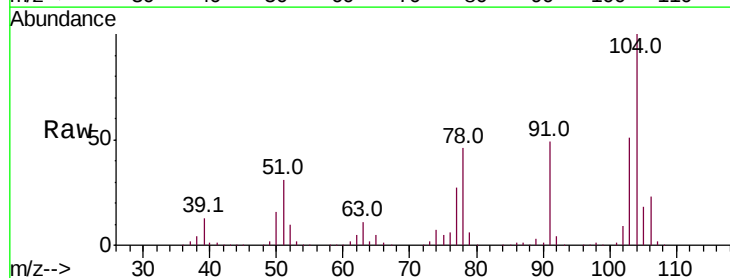
Manual Integrations
APPROVED

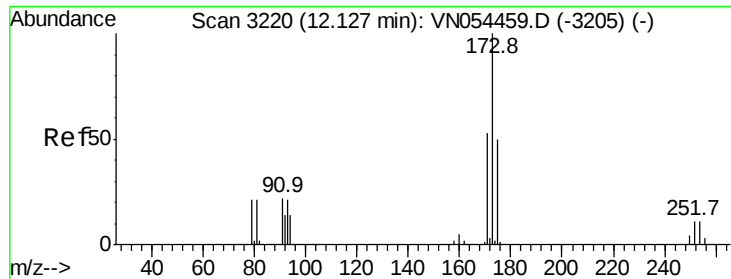
MMDadoda
3/29/2019 9:49:22 AM



#70
Styrene
Concen: 54.524 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion:104 Resp: 754616
Ion Ratio Lower Upper
104 100
78 51.6 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 49.284 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 158960

Ion Ratio Lower Upper

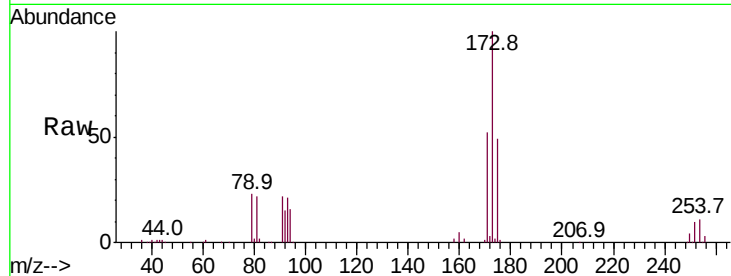
173 100

175 48.5 24.4 73.2

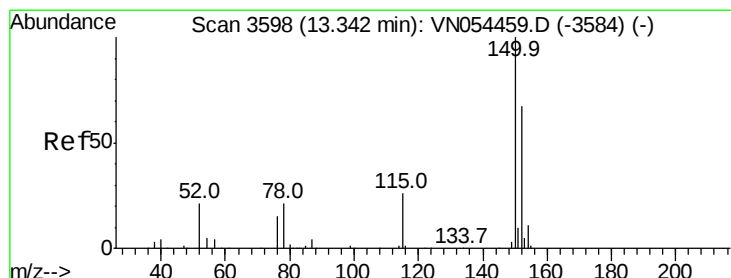
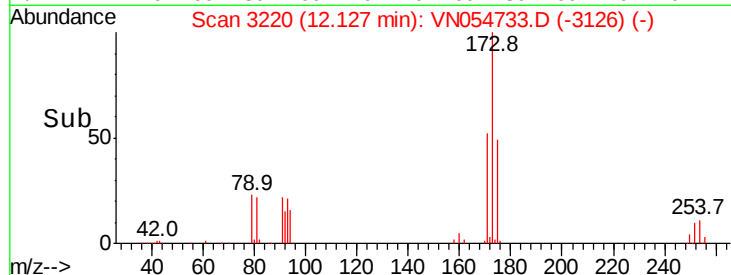
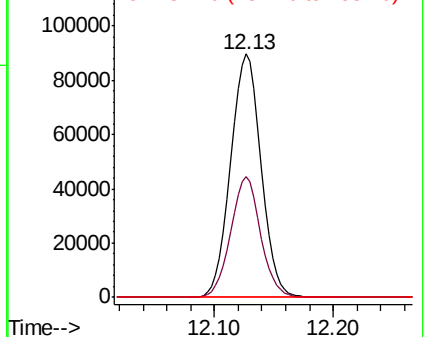
254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

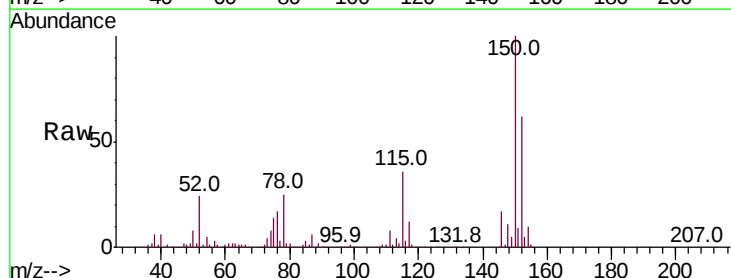
Tgt Ion:152 Resp: 286373

Ion Ratio Lower Upper

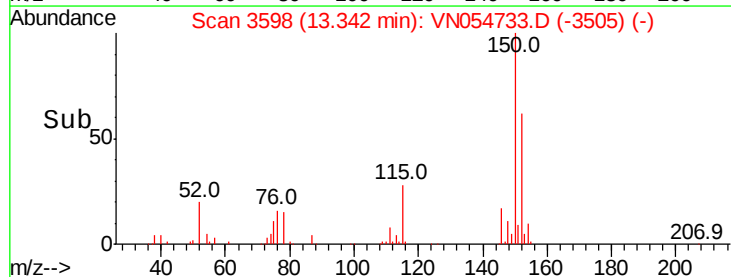
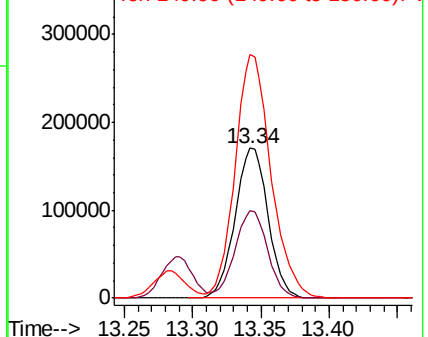
152 100

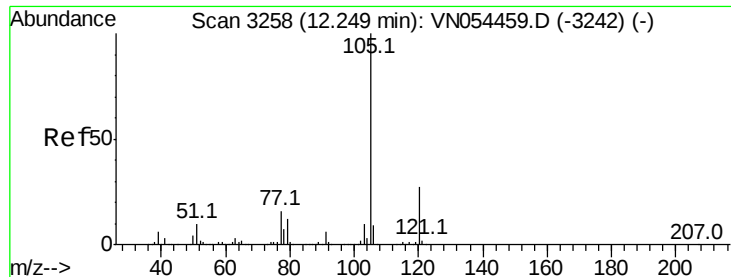
115 57.9 27.2 81.6

150 176.5 0.0 349.2



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: 51.786 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1195035

Ion Ratio Lower Upper

105 100

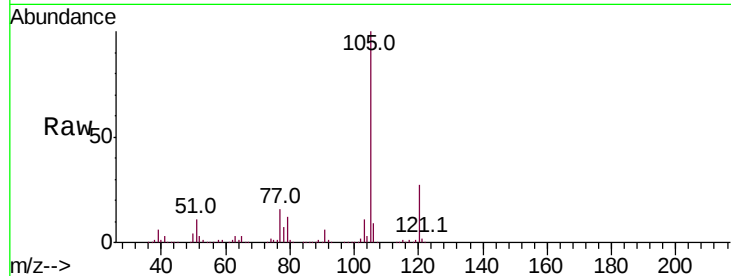
120 26.7 13.8 41.3

Manual Integrations

APPROVED

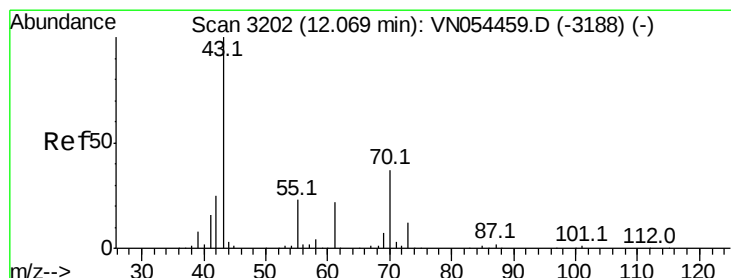
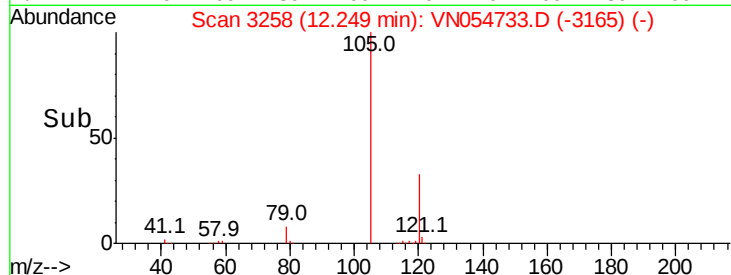
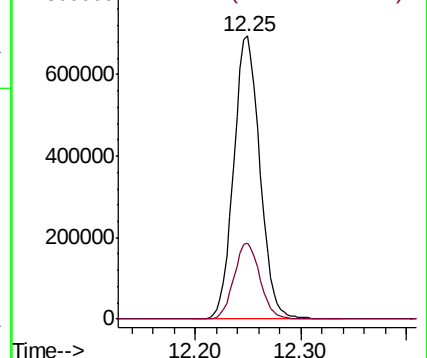
MMDadoda

3/29/2019 9:49:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.628 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion: 43 Resp: 389013

Ion Ratio Lower Upper

43 100

70 36.8 35.4 53.0

55 23.4 19.8 29.6

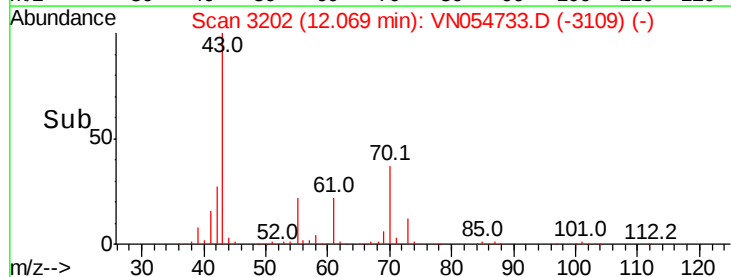
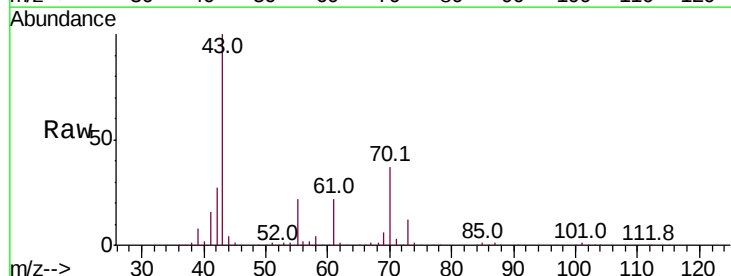
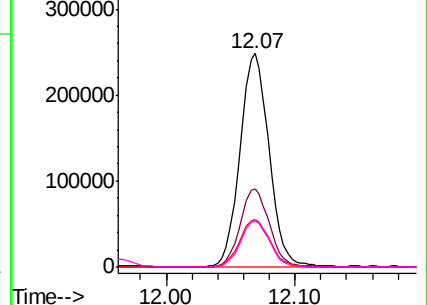
61 21.7 19.8 29.6

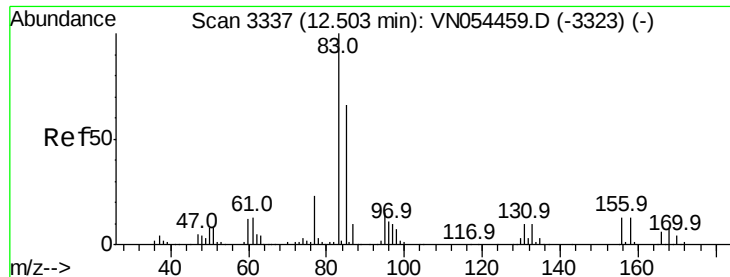
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.147 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

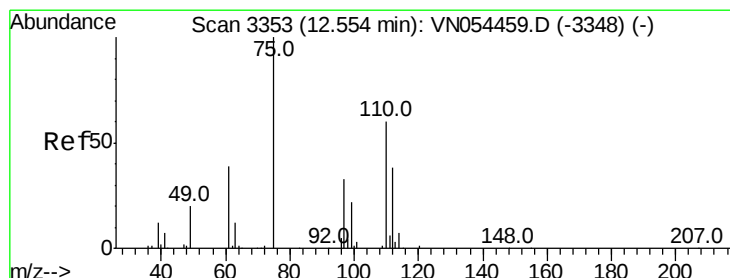
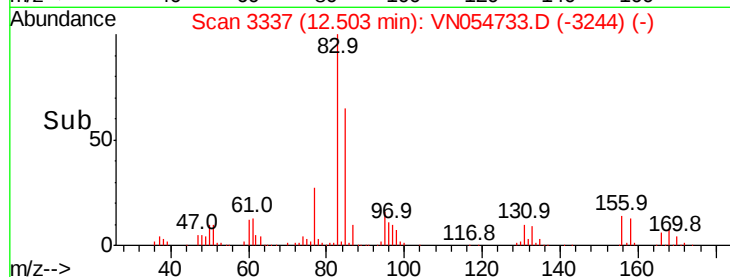
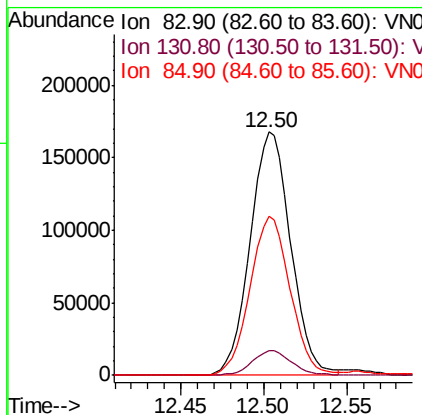
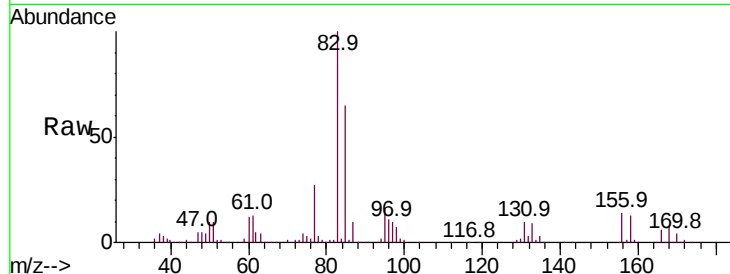
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	285235
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	64.5	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



#76

1,2,3-Trichloropropane

Concen: 56.629 ug/l m

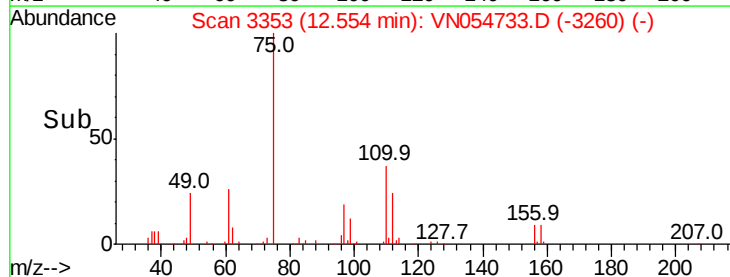
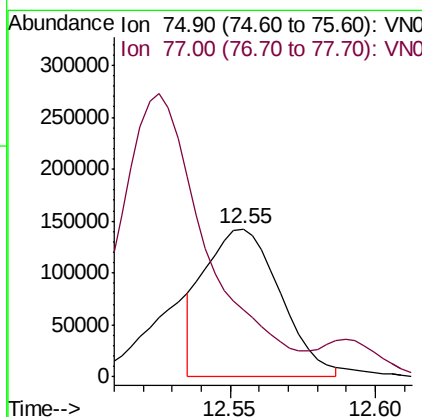
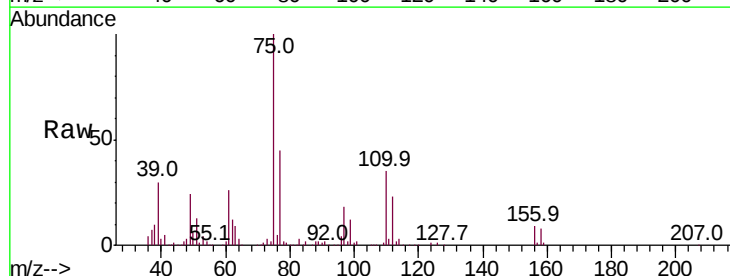
RT: 12.55 min Scan# 3353

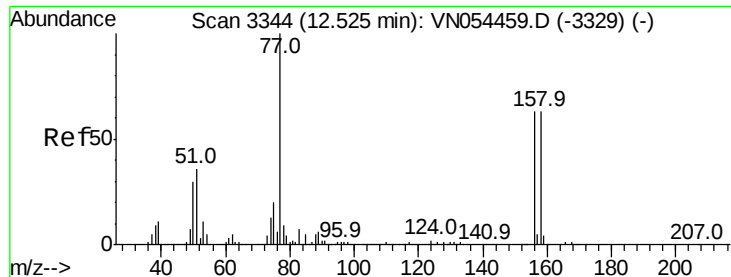
Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion:	75	Resp:	257341
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





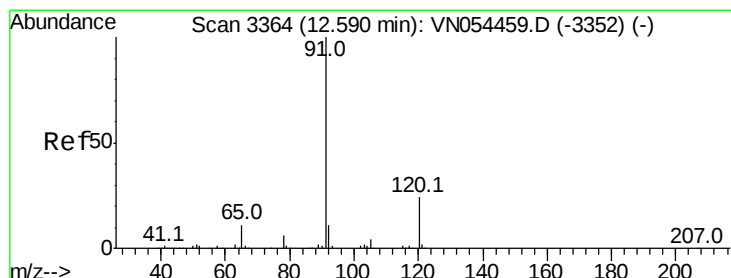
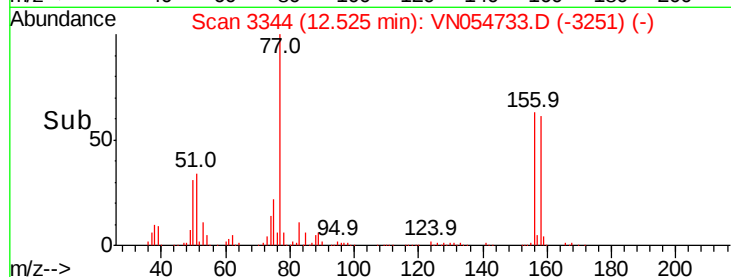
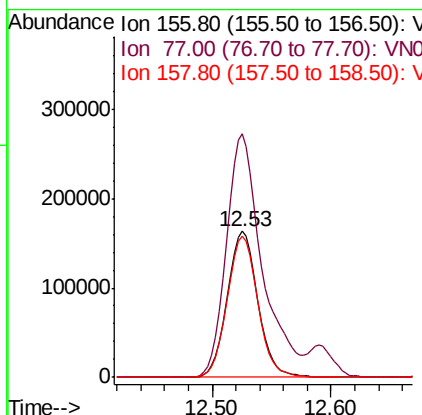
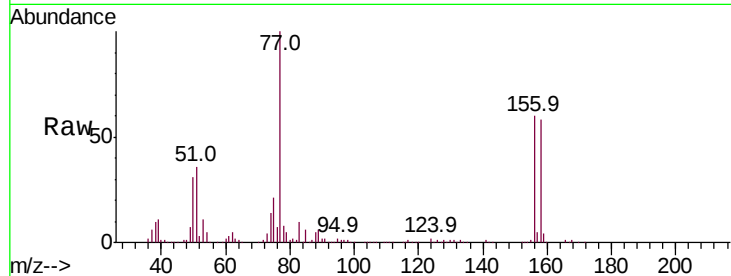
#77
Bromobenzene
Concen: 50.810 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.9	81.5	244.4
158	97.0	49.0	147.2

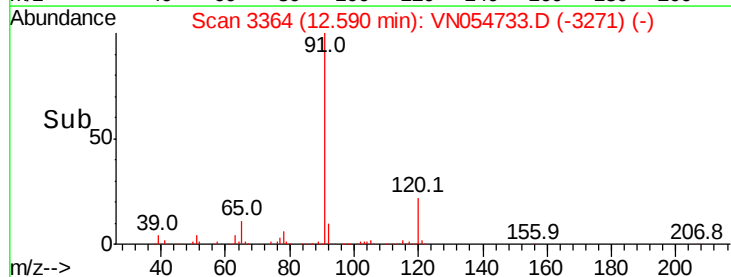
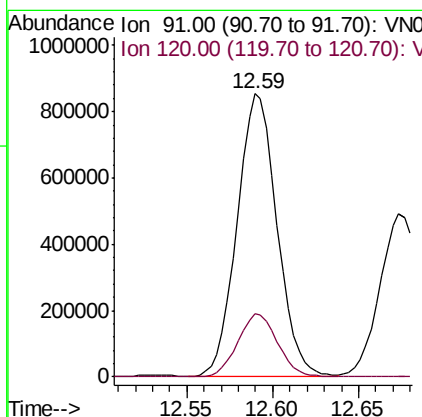
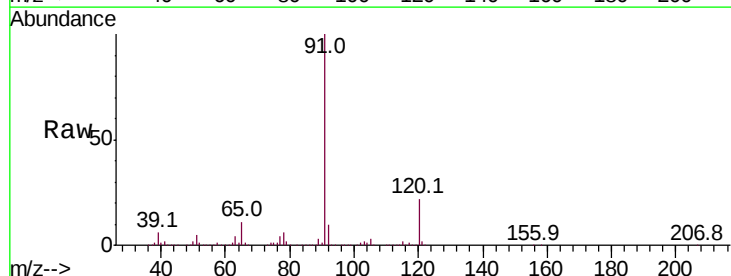
Manual Integrations
APPROVED

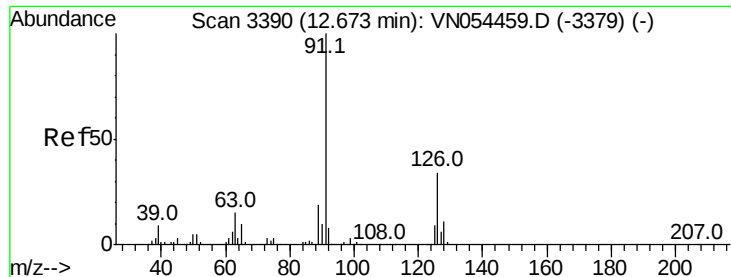
MMDadoda
3/29/2019 9:49:22 AM



#78
n-propylbenzene
Concen: 54.530 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 51.974 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 811028

Ion Ratio Lower Upper

91 100

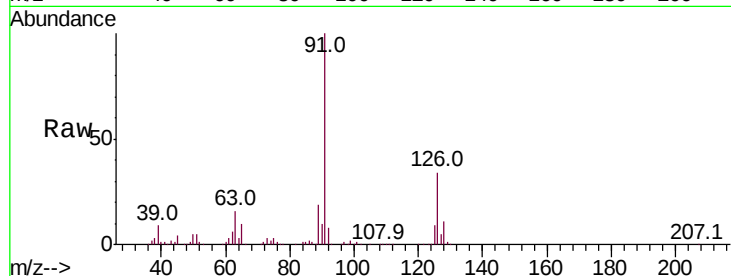
126 34.2 18.7 56.1

Manual Integrations

APPROVED

MMDadoda

3/29/2019 9:49:22 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

500000

400000

300000

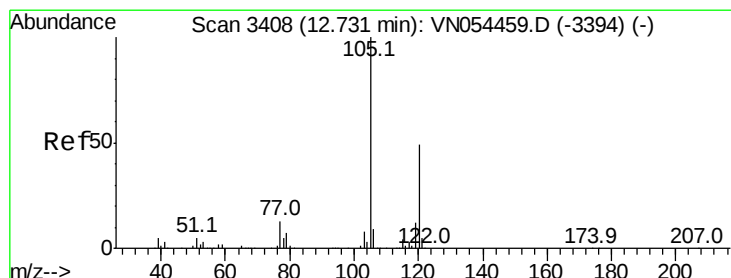
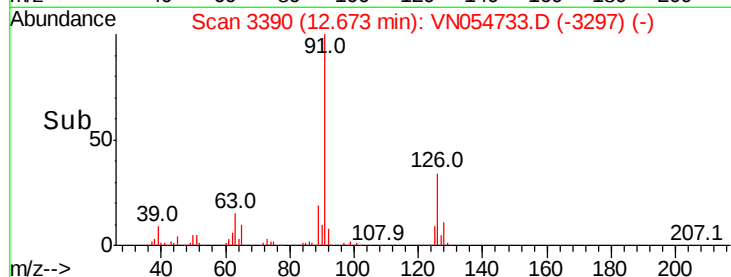
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.772 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054733.D

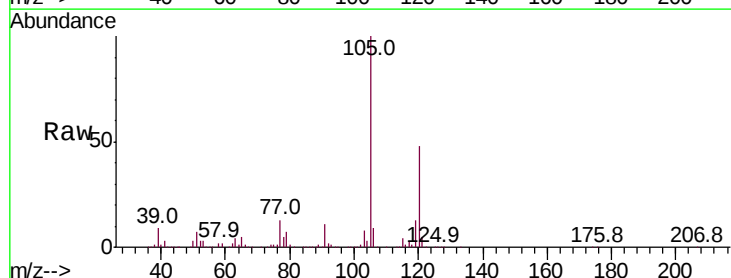
Acq: 28 Mar 2019 10:13

Tgt Ion: 105 Resp: 979165

Ion Ratio Lower Upper

105 100

120 48.9 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

600000

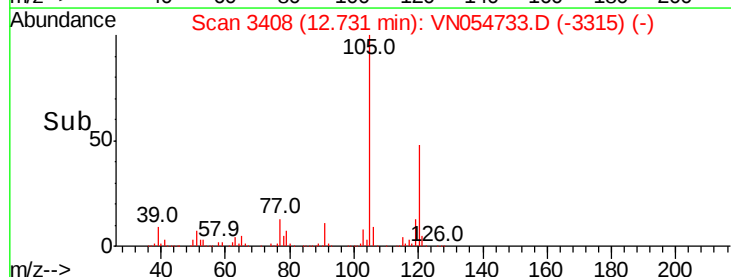
400000

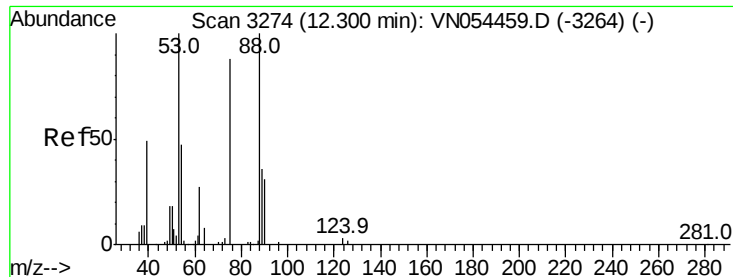
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.065 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 68816

Ion Ratio Lower Upper

75 100

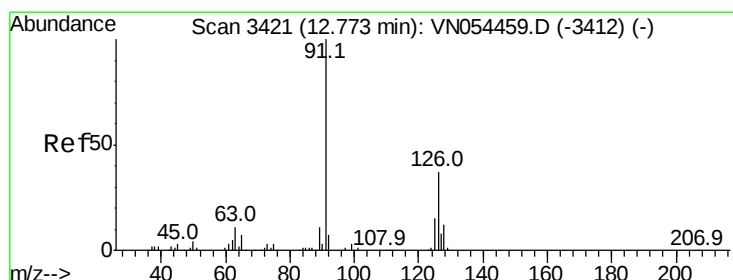
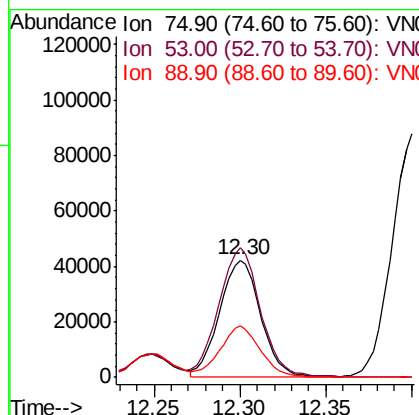
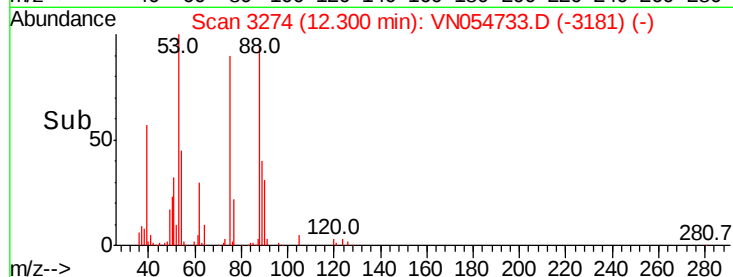
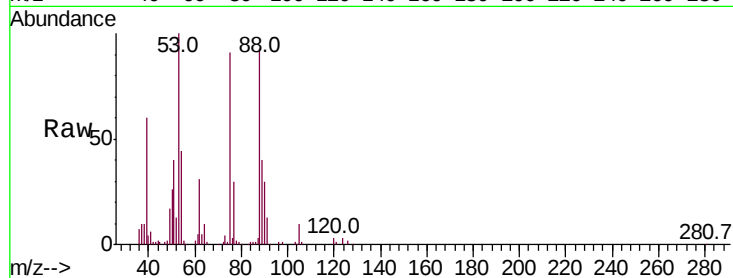
53 115.5 76.2 114.2#

89 44.3 39.2 58.8

Manual Integrations
APPROVED

MMDadoda

3/29/2019 9:49:22 AM



#82

4-Chlorotoluene

Concen: 53.751 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054733.D

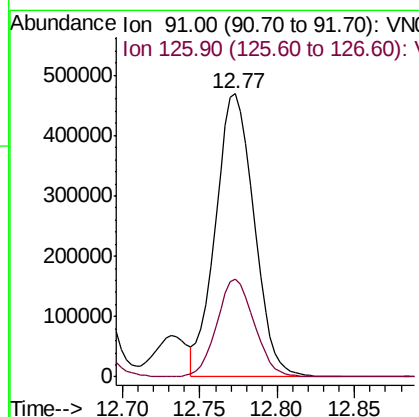
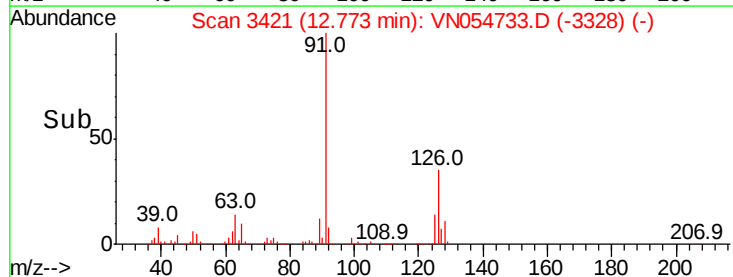
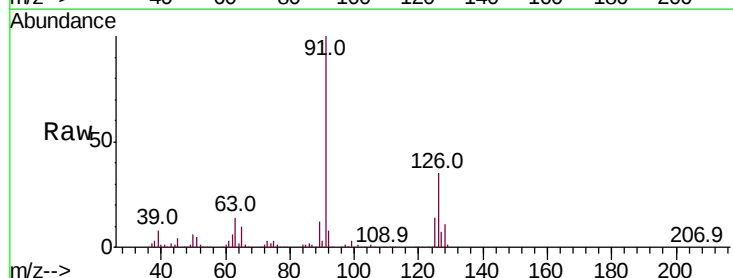
Acq: 28 Mar 2019 10:13

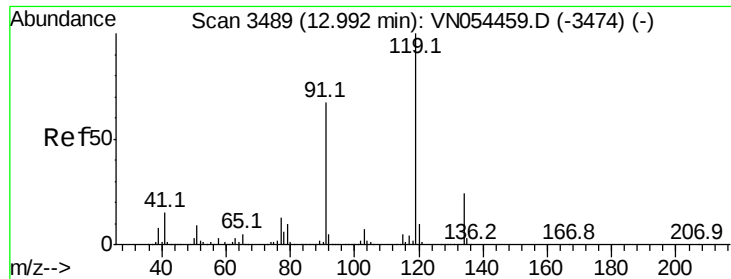
Tgt Ion: 91 Resp: 813011

Ion Ratio Lower Upper

91 100

126 33.6 18.1 54.1





#83

tert-Butylbenzene

Concen: 50.169 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

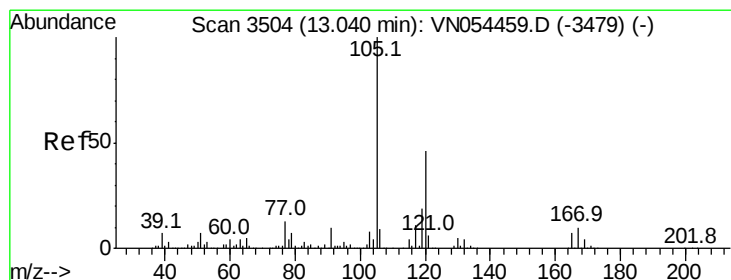
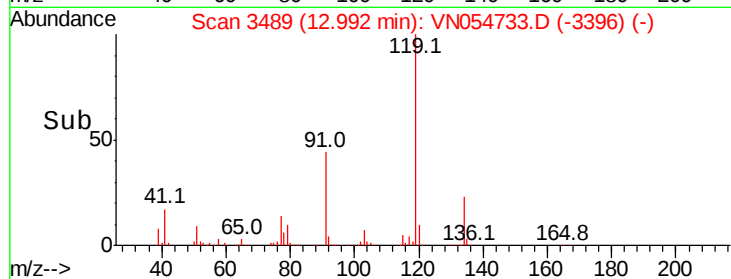
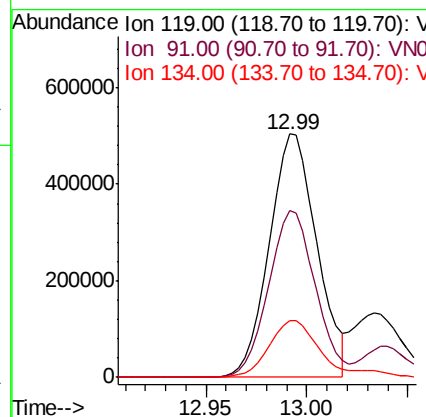
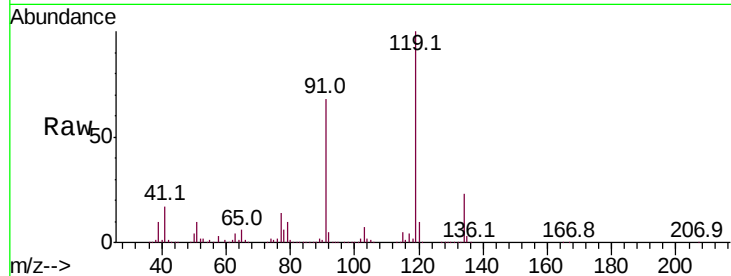
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	825924
Ion Ratio	Lower	Upper	
119	100		
91	67.3	30.9	92.8
134	26.0	13.2	39.6

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



#84

1,2,4-Trimethylbenzene

Concen: 52.193 ug/l

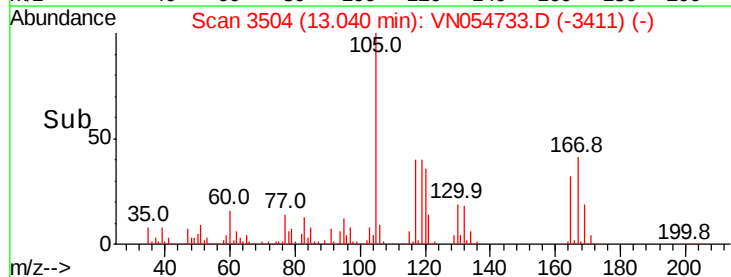
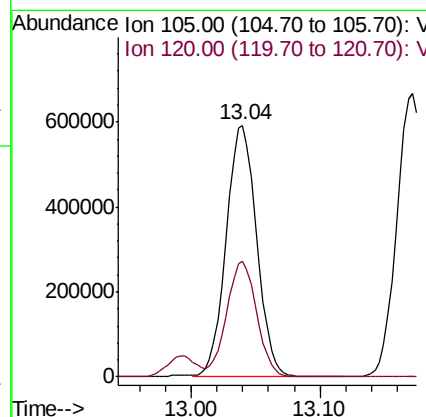
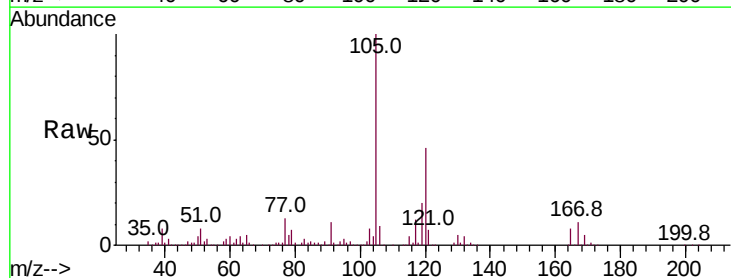
RT: 13.04 min Scan# 3504

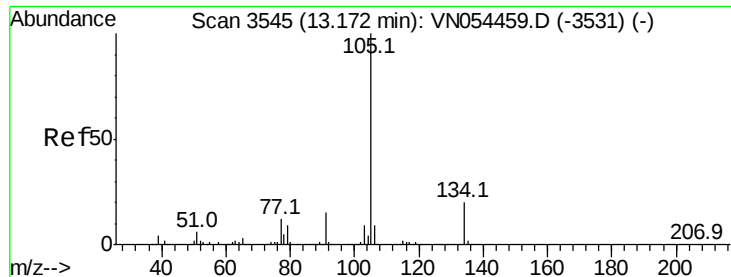
Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion:	105	Resp:	968591
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 52.884 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1085318

Ion Ratio Lower Upper

105 100

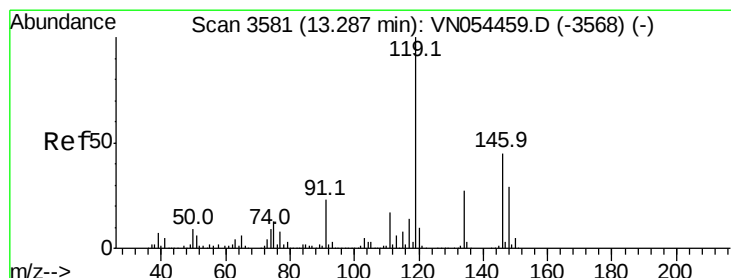
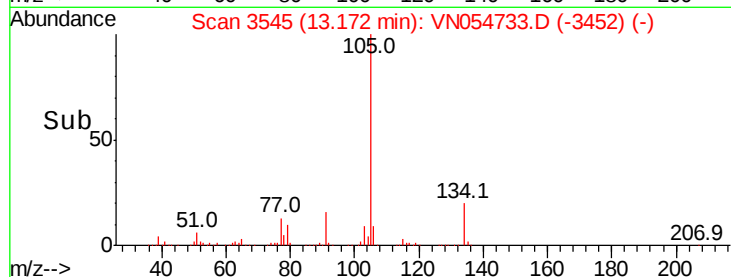
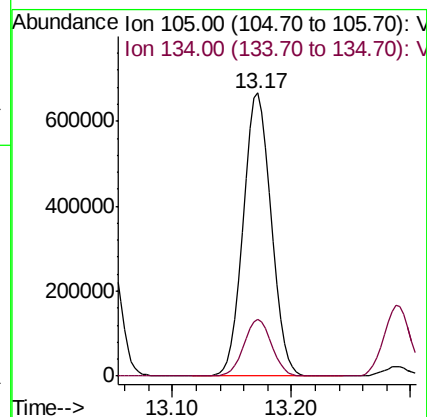
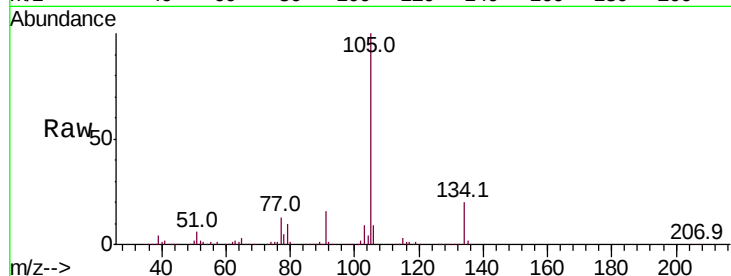
134 20.0 10.7 32.1

Manual Integrations

APPROVED

MMDadoda

3/29/2019 9:49:22 AM



#86

p-Isopropyltoluene

Concen: 53.027 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

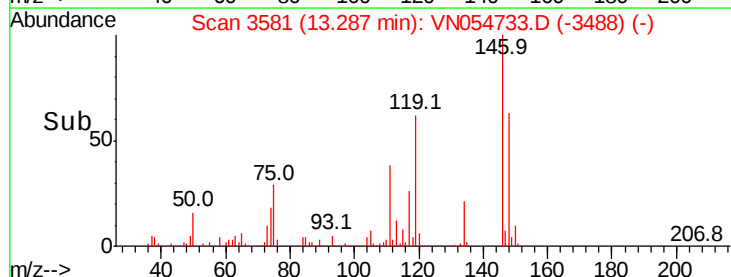
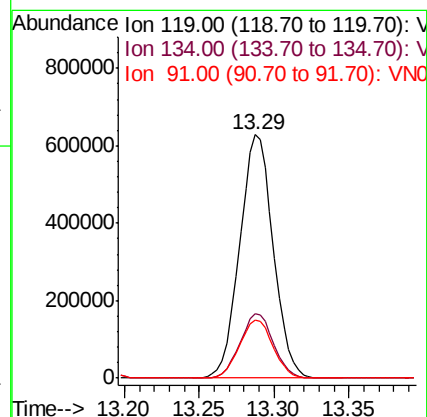
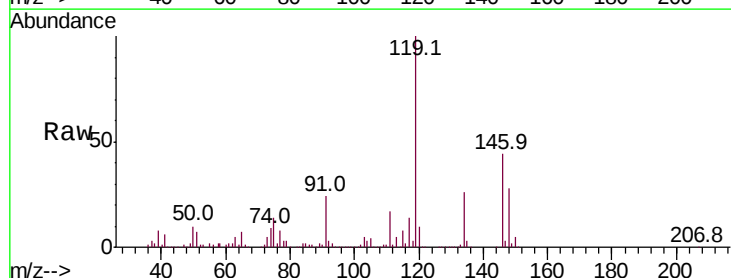
Tgt Ion:119 Resp: 973596

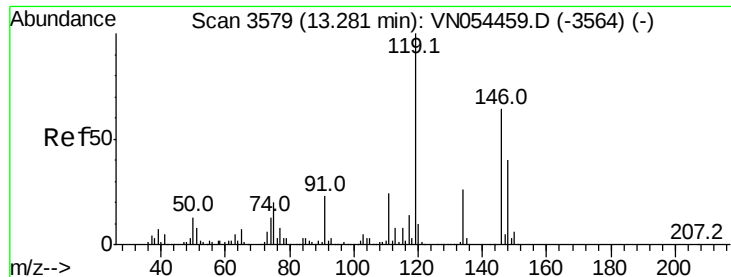
Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 24.2 11.1 33.3





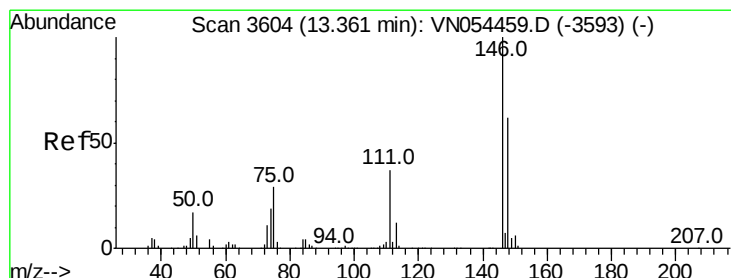
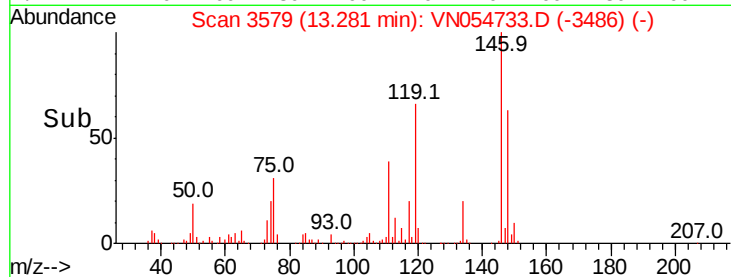
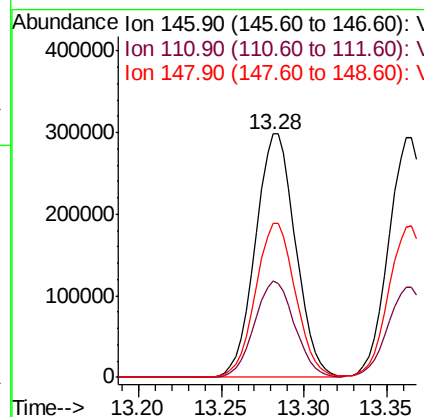
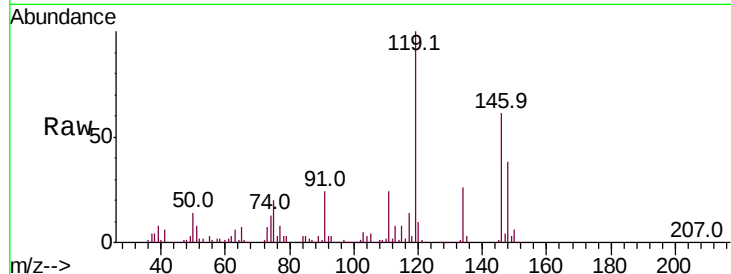
#87
 1,3-Dichlorobenzene
 Concen: 52.900 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	501728		
111	39.4	18.8	56.3	
148	62.9	32.2	96.6	

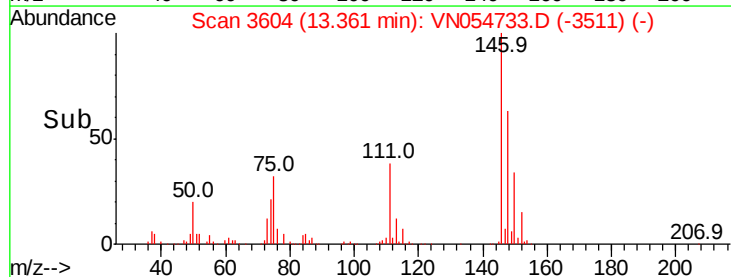
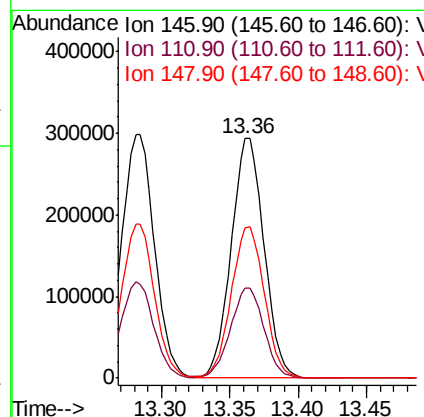
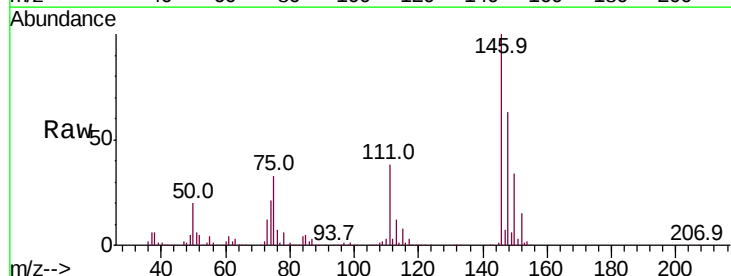
Manual Integrations
 APPROVED

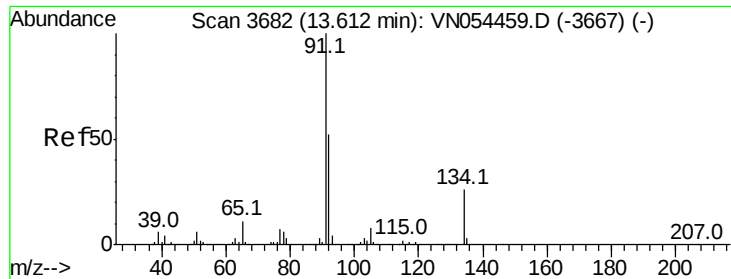
MMDadoda
 3/29/2019 9:49:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.173 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	490680		
111	38.4	18.1	54.1	
148	63.8	32.0	96.0	





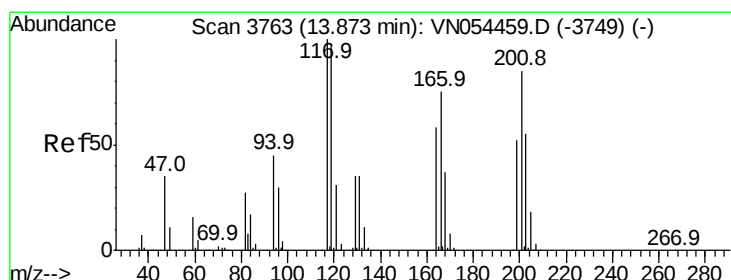
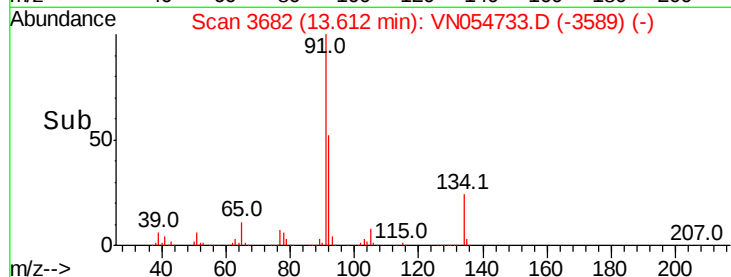
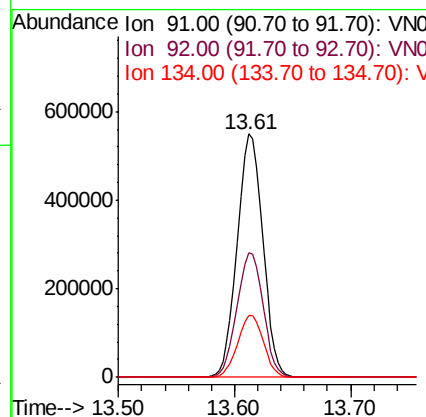
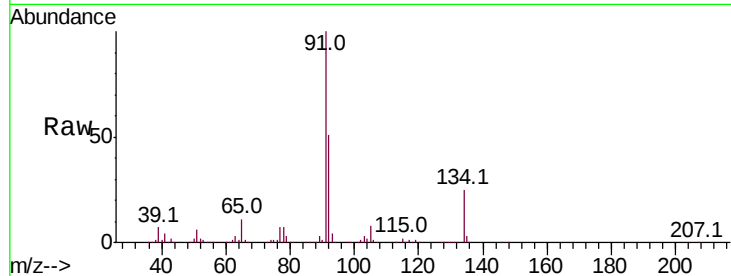
#89
n-Butylbenzene
Concen: 58.454 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.3	26.2	78.6	
134	25.6	14.3	42.9	

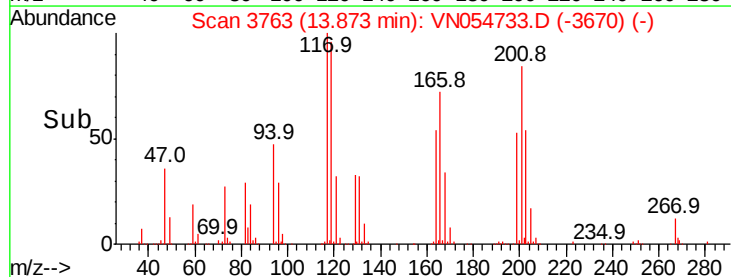
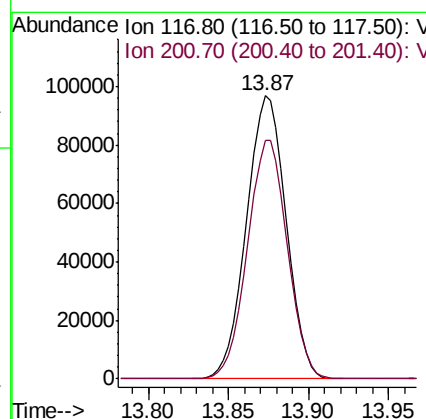
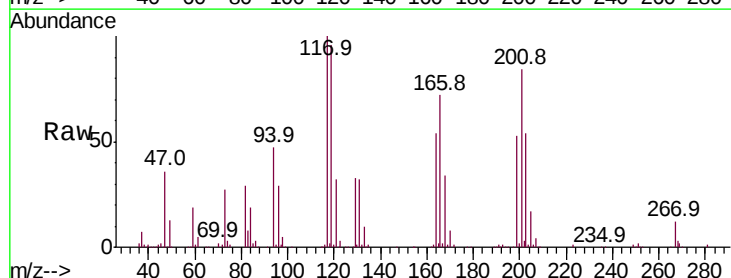
Manual Integrations
APPROVED

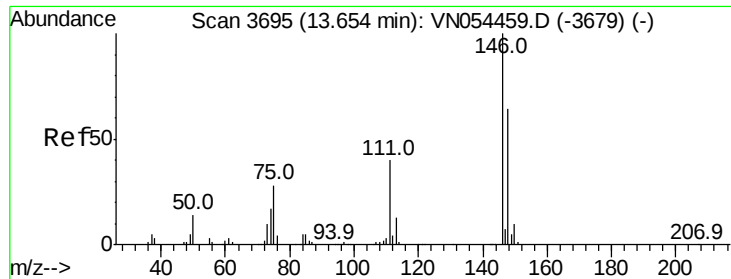
MMDadoda
3/29/2019 9:49:22 AM



#90
Hexachloroethane
Concen: 57.578 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054733.D
Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.5	48.1	144.4	





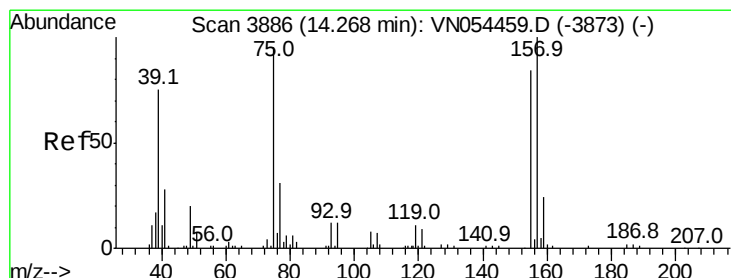
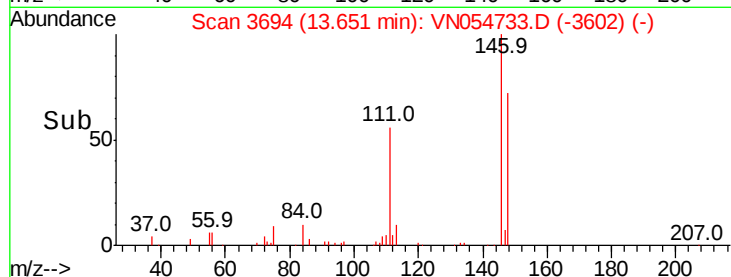
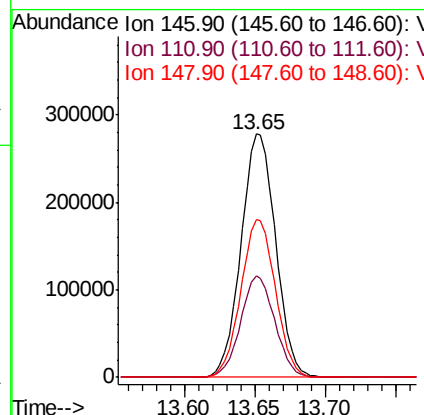
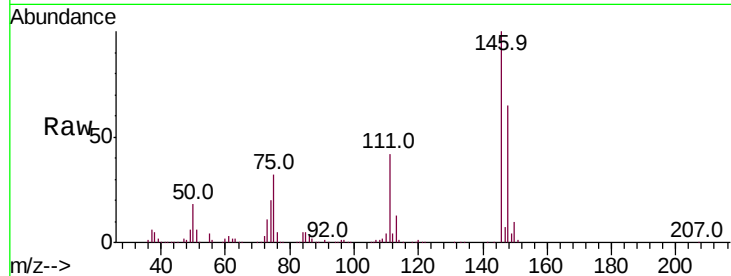
#91
 1,2-Dichlorobenzene
 Concen: 52.101 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.1	57.3
148	64.6	32.4	97.0

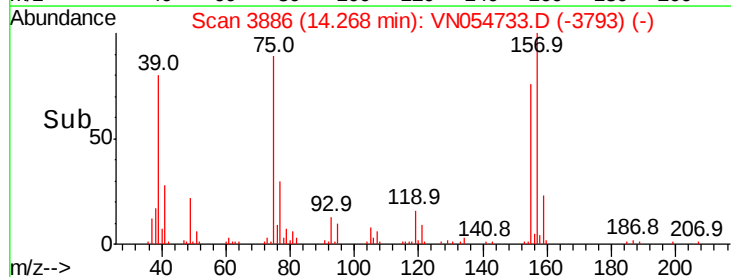
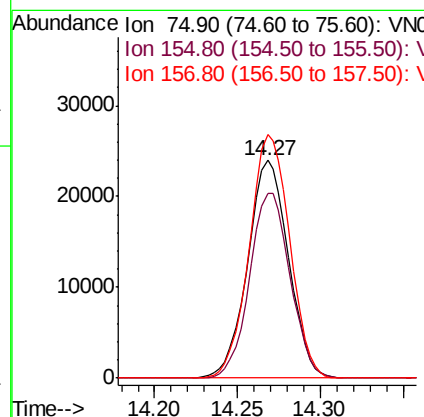
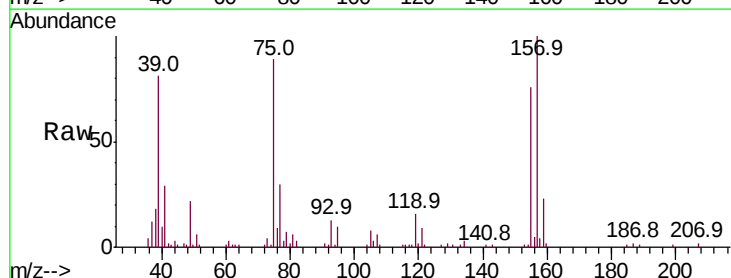
Manual Integrations
 APPROVED

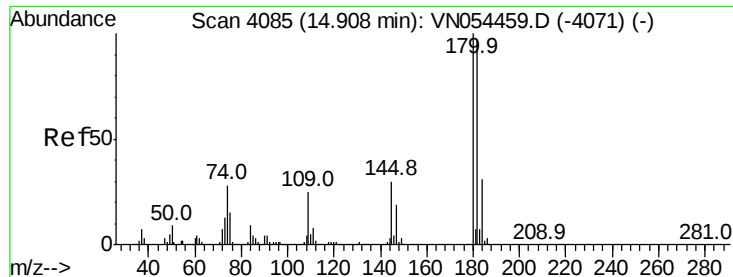
MMDadoda
 3/29/2019 9:49:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.144 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054733.D
 Acq: 28 Mar 2019 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	50.1	150.3
157	110.5	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 56.201 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

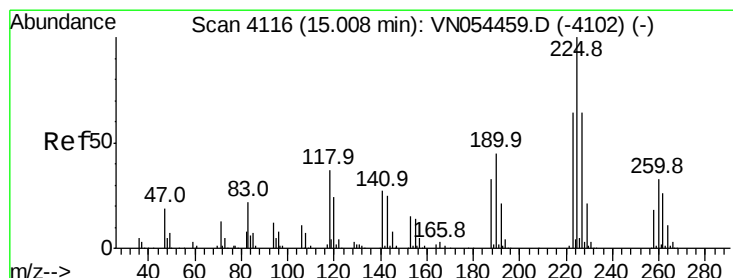
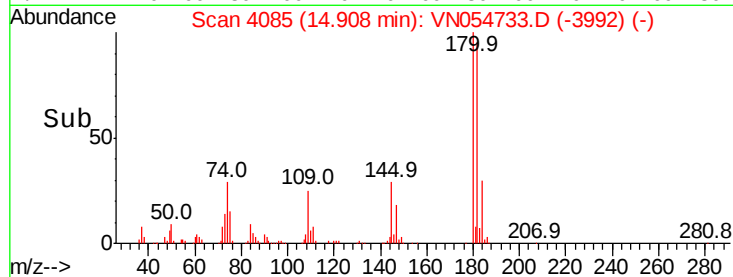
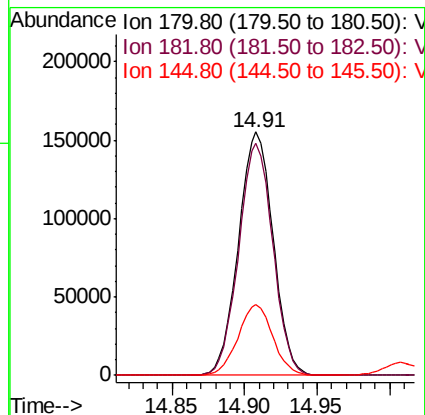
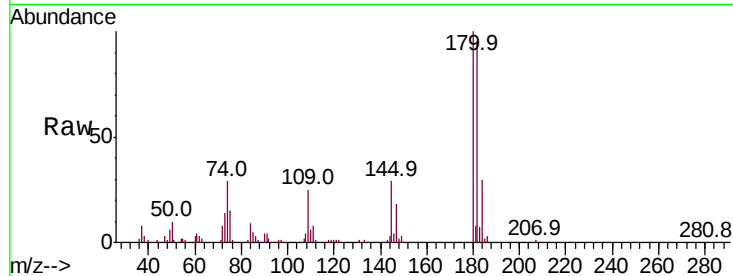
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	257375
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.0	144.2
145	29.1	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



#94

Hexachlorobutadiene

Concen: 62.604 ug/l

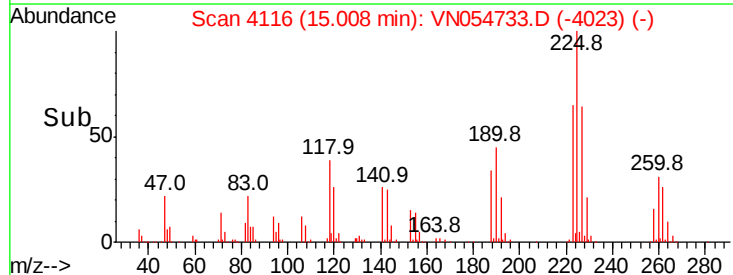
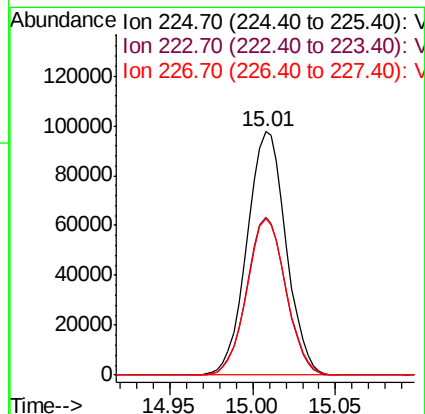
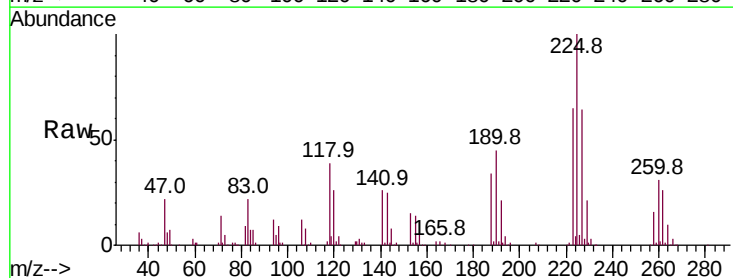
RT: 15.01 min Scan# 4116

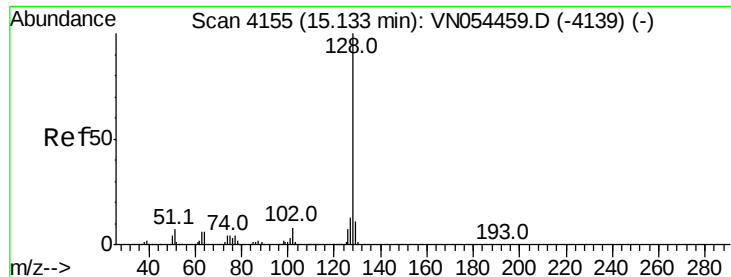
Delta R.T. 0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion:	225	Resp:	159472
Ion Ratio	Lower	Upper	
225	100		
223	64.6	31.1	93.5
227	64.5	31.9	95.9





#95

Naphthalene

Concen: 53.907 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Instrument :

MSVOA_N

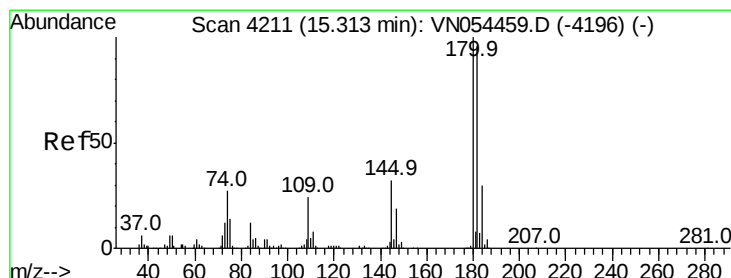
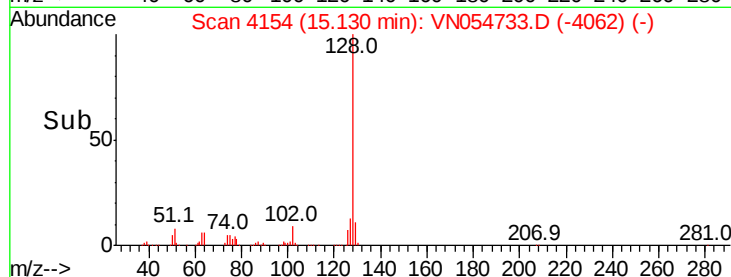
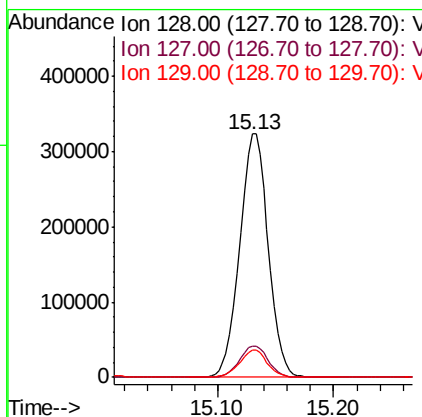
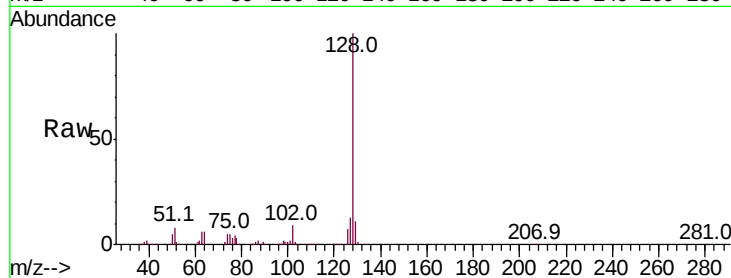
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	550651
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/29/2019 9:49:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.257 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054733.D

Acq: 28 Mar 2019 10:13

Tgt Ion:	180	Resp:	247296
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.6
145	30.5	14.8	44.3

